

Table S2: SNPs differentiating high pod number-containing parental accession (Pusa 1103) and homozygous bulk (HPNB) of mapping population (Pusa 1103 x ILWC 46) from reference *kabuli* accession (CDC Frontier)

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_1_218	NC_021160.1	Ca_kabuli_chr01	218	TT	CC	1940124817
SNP_P1_2_331	NC_021160.1	Ca_kabuli_chr01	331	AA	GG	1940124819
SNP_P1_3_341	NC_021160.1	Ca_kabuli_chr01	341	CC	AA	1940124820
SNP_P1_4_548	NC_021160.1	Ca_kabuli_chr01	548	CC	GG	1940124821
SNP_P1_6_4553	NC_021160.1	Ca_kabuli_chr01	4553	CC	GG	1940124822
SNP_P1_7_7223	NC_021160.1	Ca_kabuli_chr01	7223	AA	TT	1940124823
SNP_P1_8_7241	NC_021160.1	Ca_kabuli_chr01	7241	TT	CC	1940124824
SNP_P1_9_9180	NC_021160.1	Ca_kabuli_chr01	9180	CC	TT	1940124825
SNP_P1_11_13865	NC_021160.1	Ca_kabuli_chr01	13865	CC	TT	1940124826
SNP_P1_12_13915	NC_021160.1	Ca_kabuli_chr01	13915	AA	GG	1940124827
SNP_P1_13_14696	NC_021160.1	Ca_kabuli_chr01	14696	CC	AA	1940124828
SNP_P1_14_14973	NC_021160.1	Ca_kabuli_chr01	14973	GG	AA	1940124829
SNP_P1_15_17107	NC_021160.1	Ca_kabuli_chr01	17107	CC	AA	1940124830
SNP_P1_16_17726	NC_021160.1	Ca_kabuli_chr01	17726	CC	TT	1940124831
SNP_P1_17_17801	NC_021160.1	Ca_kabuli_chr01	17801	TT	CC	1940124832
SNP_P1_19_18899	NC_021160.1	Ca_kabuli_chr01	18899	CC	TT	1940124833
SNP_P1_20_18902	NC_021160.1	Ca_kabuli_chr01	18902	AA	GG	1940124834
SNP_P1_21_19118	NC_021160.1	Ca_kabuli_chr01	19118	TT	CC	1940124835
SNP_P1_22_19160	NC_021160.1	Ca_kabuli_chr01	19160	CC	TT	1940124836
SNP_P1_24_20237	NC_021160.1	Ca_kabuli_chr01	20237	AA	TT	1940124837
SNP_P1_25_26739	NC_021160.1	Ca_kabuli_chr01	26739	AA	GG	1940124838
SNP_P1_26_32967	NC_021160.1	Ca_kabuli_chr01	32967	TT	CC	1940124839
SNP_P1_27_33800	NC_021160.1	Ca_kabuli_chr01	33800	AA	GG	1940124840
SNP_P1_28_38902	NC_021160.1	Ca_kabuli_chr01	38902	CC	TT	1940124841
SNP_P1_29_44395	NC_021160.1	Ca_kabuli_chr01	44395	AA	GG	1940124842
SNP_P1_30_48428	NC_021160.1	Ca_kabuli_chr01	48428	GG	AA	1940124843
SNP_P1_31_65587	NC_021160.1	Ca_kabuli_chr01	65587	AA	CC	1940124844
SNP_P1_32_84665	NC_021160.1	Ca_kabuli_chr01	84665	AA	GG	1940124845
SNP_P1_33_84783	NC_021160.1	Ca_kabuli_chr01	84783	CC	TT	1940124846
SNP_P1_34_85282	NC_021160.1	Ca_kabuli_chr01	85282	GG	AA	1940124847
SNP_P1_35_89076	NC_021160.1	Ca_kabuli_chr01	89076	CC	TT	1940124848
SNP_P1_36_89078	NC_021160.1	Ca_kabuli_chr01	89078	AA	GG	1940124849
SNP_P1_38_104906	NC_021160.1	Ca_kabuli_chr01	104906	GG	AA	1940124850
SNP_P1_39_112224	NC_021160.1	Ca_kabuli_chr01	112224	CC	TT	1940124851
SNP_P1_40_115842	NC_021160.1	Ca_kabuli_chr01	115842	GG	AA	1940124852
SNP_P1_41_117177	NC_021160.1	Ca_kabuli_chr01	117177	AA	TT	1940124853
SNP_P1_42_117178	NC_021160.1	Ca_kabuli_chr01	117178	GG	TT	1940124854
SNP_P1_43_117506	NC_021160.1	Ca_kabuli_chr01	117506	AA	GG	1940124855

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_44_120210	NC_021160.1	Ca_kabuli_chr01	120210	TT	CC	1940124857
SNP_P1_45_124852	NC_021160.1	Ca_kabuli_chr01	124852	AA	GG	1940124858
SNP_P1_46_125036	NC_021160.1	Ca_kabuli_chr01	125036	AA	GG	1940124859
SNP_P1_47_125312	NC_021160.1	Ca_kabuli_chr01	125312	CC	TT	1940124860
SNP_P1_48_125491	NC_021160.1	Ca_kabuli_chr01	125491	TT	CC	1940124861
SNP_P1_49_133054	NC_021160.1	Ca_kabuli_chr01	133054	TT	CC	1940124862
SNP_P1_50_133055	NC_021160.1	Ca_kabuli_chr01	133055	GG	TT	1940124863
SNP_P1_51_133294	NC_021160.1	Ca_kabuli_chr01	133294	AA	TT	1940124864
SNP_P1_52_137957	NC_021160.1	Ca_kabuli_chr01	137957	CC	TT	1940124865
SNP_P1_53_150137	NC_021160.1	Ca_kabuli_chr01	150137	GG	CC	1940124866
SNP_P1_54_170957	NC_021160.1	Ca_kabuli_chr01	170957	CC	GG	1940124867
SNP_P1_56_183683	NC_021160.1	Ca_kabuli_chr01	183683	CC	TT	1940124868
SNP_P1_57_184706	NC_021160.1	Ca_kabuli_chr01	184706	CC	TT	1940124869
SNP_P1_58_186363	NC_021160.1	Ca_kabuli_chr01	186363	AA	TT	1940124870
SNP_P1_59_186377	NC_021160.1	Ca_kabuli_chr01	186377	AA	GG	1940124871
SNP_P1_61_186564	NC_021160.1	Ca_kabuli_chr01	186564	AA	TT	1940124872
SNP_P1_62_186604	NC_021160.1	Ca_kabuli_chr01	186604	AA	GG	1940124873
SNP_P1_63_186626	NC_021160.1	Ca_kabuli_chr01	186626	TT	CC	1940124874
SNP_P1_64_186725	NC_021160.1	Ca_kabuli_chr01	186725	GG	TT	1940124875
SNP_P1_65_186749	NC_021160.1	Ca_kabuli_chr01	186749	GG	AA	1940124876
SNP_P1_66_186788	NC_021160.1	Ca_kabuli_chr01	186788	AA	CC	1940124877
SNP_P1_67_186979	NC_021160.1	Ca_kabuli_chr01	186979	CC	TT	1940124878
SNP_P1_68_194511	NC_021160.1	Ca_kabuli_chr01	194511	CC	TT	1940124879
SNP_P1_70_210367	NC_021160.1	Ca_kabuli_chr01	210367	CC	TT	1940124880
SNP_P1_72_226700	NC_021160.1	Ca_kabuli_chr01	226700	GG	AA	1940124881
SNP_P1_74_288188	NC_021160.1	Ca_kabuli_chr01	288188	TT	CC	1940124882
SNP_P1_75_325313	NC_021160.1	Ca_kabuli_chr01	325313	CC	GG	1940124883
SNP_P1_76_356057	NC_021160.1	Ca_kabuli_chr01	356057	TT	GG	1940124884
SNP_P1_77_361541	NC_021160.1	Ca_kabuli_chr01	361541	AA	GG	1940124885
SNP_P1_78_361542	NC_021160.1	Ca_kabuli_chr01	361542	AA	GG	1940124886
SNP_P1_79_399564	NC_021160.1	Ca_kabuli_chr01	399564	CC	TT	1940124887
SNP_P1_80_399583	NC_021160.1	Ca_kabuli_chr01	399583	AA	GG	1940124888
SNP_P1_81_489483	NC_021160.1	Ca_kabuli_chr01	489483	AA	TT	1940124889
SNP_P1_82_498218	NC_021160.1	Ca_kabuli_chr01	498218	AA	TT	1940124890
SNP_P1_86_755162	NC_021160.1	Ca_kabuli_chr01	755162	AA	GG	1940124891
SNP_P1_87_797348	NC_021160.1	Ca_kabuli_chr01	797348	CC	TT	1940124892
SNP_P1_88_797349	NC_021160.1	Ca_kabuli_chr01	797349	CC	TT	1940124893
SNP_P1_89_797364	NC_021160.1	Ca_kabuli_chr01	797364	GG	TT	1940124894
SNP_P1_90_810518	NC_021160.1	Ca_kabuli_chr01	810518	CC	TT	1940124895
SNP_P1_94_882651	NC_021160.1	Ca_kabuli_chr01	882651	TT	AA	1940124896
SNP_P1_95_884497	NC_021160.1	Ca_kabuli_chr01	884497	AA	GG	1940124898
SNP_P1_96_892965	NC_021160.1	Ca_kabuli_chr01	892965	TT	GG	1940124899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_97_894157	NC_021160.1	Ca_kabuli_chr01	894157	GG	AA	1940124900
SNP_P1_98_894161	NC_021160.1	Ca_kabuli_chr01	894161	AA	TT	1940124901
SNP_P1_99_906464	NC_021160.1	Ca_kabuli_chr01	906464	GG	AA	1940124902
SNP_P1_100_923429	NC_021160.1	Ca_kabuli_chr01	923429	TT	AA	1940124903
SNP_P1_101_938637	NC_021160.1	Ca_kabuli_chr01	938637	CC	GG	1940124904
SNP_P1_102_946348	NC_021160.1	Ca_kabuli_chr01	946348	AA	GG	1940124905
SNP_P1_103_963595	NC_021160.1	Ca_kabuli_chr01	963595	AA	TT	1940124906
SNP_P1_104_986297	NC_021160.1	Ca_kabuli_chr01	986297	TT	AA	1940124907
SNP_P1_105_986531	NC_021160.1	Ca_kabuli_chr01	986531	AA	CC	1940124908
SNP_P1_106_997447	NC_021160.1	Ca_kabuli_chr01	997447	CC	TT	1940124909
SNP_P1_107_1002938	NC_021160.1	Ca_kabuli_chr01	1002938	AA	GG	1940124910
SNP_P1_109_1041444	NC_021160.1	Ca_kabuli_chr01	1041444	CC	TT	1940124911
SNP_P1_110_1081611	NC_021160.1	Ca_kabuli_chr01	1081611	TT	CC	1940124912
SNP_P1_111_1082224	NC_021160.1	Ca_kabuli_chr01	1082224	TT	AA	1940124913
SNP_P1_112_1084122	NC_021160.1	Ca_kabuli_chr01	1084122	GG	AA	1940124914
SNP_P1_114_1084350	NC_021160.1	Ca_kabuli_chr01	1084350	CC	TT	1940124915
SNP_P1_116_1084630	NC_021160.1	Ca_kabuli_chr01	1084630	CC	TT	1940124916
SNP_P1_118_1085228	NC_021160.1	Ca_kabuli_chr01	1085228	AA	CC	1940124917
SNP_P1_119_1085230	NC_021160.1	Ca_kabuli_chr01	1085230	TT	GG	1940124918
SNP_P1_120_1085238	NC_021160.1	Ca_kabuli_chr01	1085238	AA	GG	1940124919
SNP_P1_121_1085293	NC_021160.1	Ca_kabuli_chr01	1085293	GG	AA	1940124920
SNP_P1_123_1085598	NC_021160.1	Ca_kabuli_chr01	1085598	AA	GG	1940124921
SNP_P1_124_1085672	NC_021160.1	Ca_kabuli_chr01	1085672	AA	TT	1940124922
SNP_P1_125_1087761	NC_021160.1	Ca_kabuli_chr01	1087761	TT	AA	1940124923
SNP_P1_127_1088360	NC_021160.1	Ca_kabuli_chr01	1088360	AA	TT	1940124924
SNP_P1_128_1088362	NC_021160.1	Ca_kabuli_chr01	1088362	TT	GG	1940124925
SNP_P1_129_1088449	NC_021160.1	Ca_kabuli_chr01	1088449	AA	TT	1940124926
SNP_P1_131_1090419	NC_021160.1	Ca_kabuli_chr01	1090419	AA	GG	1940124927
SNP_P1_132_1091916	NC_021160.1	Ca_kabuli_chr01	1091916	AA	GG	1940124928
SNP_P1_133_1091947	NC_021160.1	Ca_kabuli_chr01	1091947	CC	GG	1940124929
SNP_P1_134_1091981	NC_021160.1	Ca_kabuli_chr01	1091981	AA	CC	1940124930
SNP_P1_135_1092804	NC_021160.1	Ca_kabuli_chr01	1092804	TT	AA	1940124931
SNP_P1_136_1093162	NC_021160.1	Ca_kabuli_chr01	1093162	TT	CC	1940124932
SNP_P1_137_1093233	NC_021160.1	Ca_kabuli_chr01	1093233	TT	CC	1940124933
SNP_P1_138_1093234	NC_021160.1	Ca_kabuli_chr01	1093234	AA	TT	1940124934
SNP_P1_139_1093258	NC_021160.1	Ca_kabuli_chr01	1093258	CC	TT	1940124935
SNP_P1_140_1093441	NC_021160.1	Ca_kabuli_chr01	1093441	TT	CC	1940124936
SNP_P1_141_1093503	NC_021160.1	Ca_kabuli_chr01	1093503	AA	TT	1940124937
SNP_P1_142_1093519	NC_021160.1	Ca_kabuli_chr01	1093519	GG	TT	1940124938
SNP_P1_143_1093524	NC_021160.1	Ca_kabuli_chr01	1093524	GG	AA	1940124939
SNP_P1_144_1094211	NC_021160.1	Ca_kabuli_chr01	1094211	CC	TT	1940124940
SNP_P1_145_1094212	NC_021160.1	Ca_kabuli_chr01	1094212	GG	TT	1940124942

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_146_1094337	NC_021160.1	Ca_kabuli_chr01	1094337	CC	GG	1940124943
SNP_P1_147_1094345	NC_021160.1	Ca_kabuli_chr01	1094345	AA	CC	1940124944
SNP_P1_148_1094434	NC_021160.1	Ca_kabuli_chr01	1094434	TT	CC	1940124945
SNP_P1_150_1094538	NC_021160.1	Ca_kabuli_chr01	1094538	AA	TT	1940124946
SNP_P1_152_1094849	NC_021160.1	Ca_kabuli_chr01	1094849	TT	CC	1940124947
SNP_P1_153_1095138	NC_021160.1	Ca_kabuli_chr01	1095138	CC	TT	1940124948
SNP_P1_154_1095177	NC_021160.1	Ca_kabuli_chr01	1095177	TT	AA	1940124949
SNP_P1_155_1095418	NC_021160.1	Ca_kabuli_chr01	1095418	TT	AA	1940124950
SNP_P1_156_1095450	NC_021160.1	Ca_kabuli_chr01	1095450	TT	AA	1940124951
SNP_P1_157_1095474	NC_021160.1	Ca_kabuli_chr01	1095474	TT	CC	1940124952
SNP_P1_158_1095496	NC_021160.1	Ca_kabuli_chr01	1095496	GG	AA	1940124953
SNP_P1_160_1095534	NC_021160.1	Ca_kabuli_chr01	1095534	CC	TT	1940124954
SNP_P1_161_1095765	NC_021160.1	Ca_kabuli_chr01	1095765	TT	AA	1940124955
SNP_P1_163_1096615	NC_021160.1	Ca_kabuli_chr01	1096615	TT	GG	1940124956
SNP_P1_165_1098703	NC_021160.1	Ca_kabuli_chr01	1098703	CC	GG	1940124957
SNP_P1_166_1099273	NC_021160.1	Ca_kabuli_chr01	1099273	CC	TT	1940124958
SNP_P1_167_1099312	NC_021160.1	Ca_kabuli_chr01	1099312	TT	CC	1940124959
SNP_P1_168_1099338	NC_021160.1	Ca_kabuli_chr01	1099338	AA	TT	1940124960
SNP_P1_169_1099400	NC_021160.1	Ca_kabuli_chr01	1099400	TT	CC	1940124961
SNP_P1_170_1099644	NC_021160.1	Ca_kabuli_chr01	1099644	CC	AA	1940124962
SNP_P1_171_1100347	NC_021160.1	Ca_kabuli_chr01	1100347	TT	CC	1940124963
SNP_P1_172_1100739	NC_021160.1	Ca_kabuli_chr01	1100739	TT	CC	1940124964
SNP_P1_173_1100879	NC_021160.1	Ca_kabuli_chr01	1100879	AA	CC	1940124965
SNP_P1_174_1100895	NC_021160.1	Ca_kabuli_chr01	1100895	AA	CC	1940124966
SNP_P1_175_1100896	NC_021160.1	Ca_kabuli_chr01	1100896	TT	AA	1940124967
SNP_P1_176_1100900	NC_021160.1	Ca_kabuli_chr01	1100900	AA	CC	1940124968
SNP_P1_177_1100919	NC_021160.1	Ca_kabuli_chr01	1100919	AA	GG	1940124969
SNP_P1_178_1100956	NC_021160.1	Ca_kabuli_chr01	1100956	GG	AA	1940124970
SNP_P1_179_1100977	NC_021160.1	Ca_kabuli_chr01	1100977	TT	CC	1940124971
SNP_P1_180_1100978	NC_021160.1	Ca_kabuli_chr01	1100978	GG	AA	1940124972
SNP_P1_181_1101057	NC_021160.1	Ca_kabuli_chr01	1101057	TT	CC	1940124973
SNP_P1_182_1101146	NC_021160.1	Ca_kabuli_chr01	1101146	CC	TT	1940124974
SNP_P1_183_1101174	NC_021160.1	Ca_kabuli_chr01	1101174	CC	GG	1940124975
SNP_P1_184_1101227	NC_021160.1	Ca_kabuli_chr01	1101227	TT	AA	1940124976
SNP_P1_185_1101228	NC_021160.1	Ca_kabuli_chr01	1101228	AA	CC	1940124977
SNP_P1_186_1101231	NC_021160.1	Ca_kabuli_chr01	1101231	TT	AA	1940124978
SNP_P1_187_1101263	NC_021160.1	Ca_kabuli_chr01	1101263	GG	AA	1940124979
SNP_P1_188_1101289	NC_021160.1	Ca_kabuli_chr01	1101289	TT	AA	1940124980
SNP_P1_189_1101319	NC_021160.1	Ca_kabuli_chr01	1101319	CC	TT	1940124981
SNP_P1_190_1101593	NC_021160.1	Ca_kabuli_chr01	1101593	AA	TT	1940124982
SNP_P1_191_1101599	NC_021160.1	Ca_kabuli_chr01	1101599	AA	TT	1940124983
SNP_P1_192_1101606	NC_021160.1	Ca_kabuli_chr01	1101606	AA	TT	1940124984

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_193_1101639	NC_021160.1	Ca_kabuli_chr01	1101639	AA	TT	1940124985
SNP_P1_194_1101673	NC_021160.1	Ca_kabuli_chr01	1101673	TT	CC	1940124986
SNP_P1_195_1102286	NC_021160.1	Ca_kabuli_chr01	1102286	TT	AA	1940124987
SNP_P1_196_1102320	NC_021160.1	Ca_kabuli_chr01	1102320	TT	GG	1940124988
SNP_P1_198_1102476	NC_021160.1	Ca_kabuli_chr01	1102476	AA	GG	1940124989
SNP_P1_199_1102540	NC_021160.1	Ca_kabuli_chr01	1102540	AA	GG	1940124990
SNP_P1_200_1102542	NC_021160.1	Ca_kabuli_chr01	1102542	TT	AA	1940124991
SNP_P1_201_1102732	NC_021160.1	Ca_kabuli_chr01	1102732	TT	CC	1940124992
SNP_P1_202_1102761	NC_021160.1	Ca_kabuli_chr01	1102761	CC	TT	1940124993
SNP_P1_203_1102769	NC_021160.1	Ca_kabuli_chr01	1102769	GG	TT	1940124994
SNP_P1_204_1102779	NC_021160.1	Ca_kabuli_chr01	1102779	CC	TT	1940124995
SNP_P1_205_1102869	NC_021160.1	Ca_kabuli_chr01	1102869	CC	GG	1940124997
SNP_P1_206_1102870	NC_021160.1	Ca_kabuli_chr01	1102870	TT	AA	1940124998
SNP_P1_207_1103561	NC_021160.1	Ca_kabuli_chr01	1103561	TT	AA	1940124999
SNP_P1_208_1103856	NC_021160.1	Ca_kabuli_chr01	1103856	CC	GG	1940125000
SNP_P1_209_1103879	NC_021160.1	Ca_kabuli_chr01	1103879	GG	TT	1940125001
SNP_P1_210_1103941	NC_021160.1	Ca_kabuli_chr01	1103941	AA	GG	1940125002
SNP_P1_211_1104492	NC_021160.1	Ca_kabuli_chr01	1104492	TT	CC	1940125003
SNP_P1_212_1144384	NC_021160.1	Ca_kabuli_chr01	1144384	GG	AA	1940125004
SNP_P1_213_1145180	NC_021160.1	Ca_kabuli_chr01	1145180	AA	GG	1940125005
SNP_P1_214_1145182	NC_021160.1	Ca_kabuli_chr01	1145182	TT	GG	1940125006
SNP_P1_216_1158830	NC_021160.1	Ca_kabuli_chr01	1158830	AA	CC	1940125007
SNP_P1_217_1159904	NC_021160.1	Ca_kabuli_chr01	1159904	TT	CC	1940125008
SNP_P1_218_1160166	NC_021160.1	Ca_kabuli_chr01	1160166	GG	AA	1940125009
SNP_P1_220_1163786	NC_021160.1	Ca_kabuli_chr01	1163786	CC	TT	1940125010
SNP_P1_221_1163801	NC_021160.1	Ca_kabuli_chr01	1163801	AA	GG	1940125011
SNP_P1_222_1186057	NC_021160.1	Ca_kabuli_chr01	1186057	AA	GG	1940125012
SNP_P1_223_1186097	NC_021160.1	Ca_kabuli_chr01	1186097	TT	GG	1940125013
SNP_P1_224_1186115	NC_021160.1	Ca_kabuli_chr01	1186115	AA	GG	1940125014
SNP_P1_225_1186120	NC_021160.1	Ca_kabuli_chr01	1186120	AA	TT	1940125015
SNP_P1_226_1186134	NC_021160.1	Ca_kabuli_chr01	1186134	CC	TT	1940125016
SNP_P1_227_1186137	NC_021160.1	Ca_kabuli_chr01	1186137	TT	CC	1940125017
SNP_P1_229_1186206	NC_021160.1	Ca_kabuli_chr01	1186206	CC	GG	1940125018
SNP_P1_230_1189718	NC_021160.1	Ca_kabuli_chr01	1189718	GG	AA	1940125019
SNP_P1_231_1192739	NC_021160.1	Ca_kabuli_chr01	1192739	AA	GG	1940125020
SNP_P1_232_1192752	NC_021160.1	Ca_kabuli_chr01	1192752	CC	AA	1940125021
SNP_P1_233_1197170	NC_021160.1	Ca_kabuli_chr01	1197170	GG	TT	1940125022
SNP_P1_234_1200864	NC_021160.1	Ca_kabuli_chr01	1200864	AA	CC	1940125023
SNP_P1_235_1209216	NC_021160.1	Ca_kabuli_chr01	1209216	AA	CC	1940125024
SNP_P1_237_1210062	NC_021160.1	Ca_kabuli_chr01	1210062	GG	TT	1940125025
SNP_P1_238_1210084	NC_021160.1	Ca_kabuli_chr01	1210084	AA	GG	1940125026
SNP_P1_239_1210104	NC_021160.1	Ca_kabuli_chr01	1210104	AA	GG	1940125027

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_240_1211619	NC_021160.1	Ca_kabuli_chr01	1211619	AA	GG	1940125028
SNP_P1_247_1309417	NC_021160.1	Ca_kabuli_chr01	1309417	CC	TT	1940125029
SNP_P1_248_1318658	NC_021160.1	Ca_kabuli_chr01	1318658	AA	TT	1940125030
SNP_P1_250_1334286	NC_021160.1	Ca_kabuli_chr01	1334286	TT	AA	1940125031
SNP_P1_251_1335292	NC_021160.1	Ca_kabuli_chr01	1335292	GG	AA	1940125032
SNP_P1_252_1347563	NC_021160.1	Ca_kabuli_chr01	1347563	TT	CC	1940125033
SNP_P1_253_1348871	NC_021160.1	Ca_kabuli_chr01	1348871	GG	AA	1940125034
SNP_P1_254_1358310	NC_021160.1	Ca_kabuli_chr01	1358310	CC	TT	1940125035
SNP_P1_255_1371789	NC_021160.1	Ca_kabuli_chr01	1371789	CC	TT	1940125036
SNP_P1_256_1371791	NC_021160.1	Ca_kabuli_chr01	1371791	TT	GG	1940125037
SNP_P1_257_1372270	NC_021160.1	Ca_kabuli_chr01	1372270	GG	CC	1940125038
SNP_P1_258_1377085	NC_021160.1	Ca_kabuli_chr01	1377085	TT	CC	1940125039
SNP_P1_259_1383603	NC_021160.1	Ca_kabuli_chr01	1383603	TT	CC	1940125040
SNP_P1_261_1409346	NC_021160.1	Ca_kabuli_chr01	1409346	AA	TT	1940125041
SNP_P1_263_1459854	NC_021160.1	Ca_kabuli_chr01	1459854	CC	TT	1940125042
SNP_P1_264_1464119	NC_021160.1	Ca_kabuli_chr01	1464119	AA	CC	1940125043
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SNP_P1_266_1480895	NC_021160.1	Ca_kabuli_chr01	1480895	CC	TT	1940125045
SNP_P1_267_1490688	NC_021160.1	Ca_kabuli_chr01	1490688	GG	AA	1940125046
SNP_P1_268_1499660	NC_021160.1	Ca_kabuli_chr01	1499660	AA	GG	1940125047
SNP_P1_269_1500037	NC_021160.1	Ca_kabuli_chr01	1500037	CC	TT	1940125048
SNP_P1_270_1500081	NC_021160.1	Ca_kabuli_chr01	1500081	AA	GG	1940125049
SNP_P1_271_1500644	NC_021160.1	Ca_kabuli_chr01	1500644	CC	TT	1940125050
SNP_P1_272_1500987	NC_021160.1	Ca_kabuli_chr01	1500987	GG	AA	1940125051
SNP_P1_273_1508673	NC_021160.1	Ca_kabuli_chr01	1508673	CC	GG	1940125052
SNP_P1_274_1511754	NC_021160.1	Ca_kabuli_chr01	1511754	GG	CC	1940125054
SNP_P1_275_1539317	NC_021160.1	Ca_kabuli_chr01	1539317	AA	CC	1940125055
SNP_P1_276_1540400	NC_021160.1	Ca_kabuli_chr01	1540400	GG	TT	1940125056
SNP_P1_278_1540564	NC_021160.1	Ca_kabuli_chr01	1540564	TT	CC	1940125057
SNP_P1_280_1582825	NC_021160.1	Ca_kabuli_chr01	1582825	CC	TT	1940125058
SNP_P1_281_1593940	NC_021160.1	Ca_kabuli_chr01	1593940	TT	AA	1940125059
SNP_P1_282_1605743	NC_021160.1	Ca_kabuli_chr01	1605743	AA	GG	1940125060
SNP_P1_284_1615778	NC_021160.1	Ca_kabuli_chr01	1615778	TT	GG	1940125061
SNP_P1_285_1617260	NC_021160.1	Ca_kabuli_chr01	1617260	TT	AA	1940125062
SNP_P1_287_1623906	NC_021160.1	Ca_kabuli_chr01	1623906	GG	CC	1940125063
SNP_P1_288_1635149	NC_021160.1	Ca_kabuli_chr01	1635149	GG	AA	1940125064
SNP_P1_289_1659441	NC_021160.1	Ca_kabuli_chr01	1659441	CC	TT	1940125065
SNP_P1_290_1673567	NC_021160.1	Ca_kabuli_chr01	1673567	TT	CC	1940125066
SNP_P1_291_1686137	NC_021160.1	Ca_kabuli_chr01	1686137	GG	AA	1940125067
SNP_P1_292_1687411	NC_021160.1	Ca_kabuli_chr01	1687411	TT	CC	1940125068
SNP_P1_293_1687514	NC_021160.1	Ca_kabuli_chr01	1687514	GG	AA	1940125069
SNP_P1_294_1687884	NC_021160.1	Ca_kabuli_chr01	1687884	TT	CC	1940125070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_296_1693234	NC_021160.1	Ca_kabuli_chr01	1693234	CC	GG	1940125072
SNP_P1_297_1696019	NC_021160.1	Ca_kabuli_chr01	1696019	CC	TT	1940125073
SNP_P1_299_1708047	NC_021160.1	Ca_kabuli_chr01	1708047	CC	TT	1940125074
SNP_P1_302_1731616	NC_021160.1	Ca_kabuli_chr01	1731616	GG	CC	1940125075
SNP_P1_303_1731649	NC_021160.1	Ca_kabuli_chr01	1731649	AA	GG	1940125076
SNP_P1_304_1731653	NC_021160.1	Ca_kabuli_chr01	1731653	TT	GG	1940125077
SNP_P1_305_1731666	NC_021160.1	Ca_kabuli_chr01	1731666	CC	TT	1940125078
SNP_P1_306_1731677	NC_021160.1	Ca_kabuli_chr01	1731677	TT	AA	1940125079
SNP_P1_307_1731946	NC_021160.1	Ca_kabuli_chr01	1731946	TT	CC	1940125080
SNP_P1_308_1731954	NC_021160.1	Ca_kabuli_chr01	1731954	AA	CC	1940125081
SNP_P1_309_1731956	NC_021160.1	Ca_kabuli_chr01	1731956	TT	CC	1940125082
SNP_P1_310_1731962	NC_021160.1	Ca_kabuli_chr01	1731962	AA	CC	1940125083
SNP_P1_311_1731965	NC_021160.1	Ca_kabuli_chr01	1731965	CC	AA	1940125084
SNP_P1_312_1732287	NC_021160.1	Ca_kabuli_chr01	1732287	GG	TT	1940125085
SNP_P1_314_1732756	NC_021160.1	Ca_kabuli_chr01	1732756	TT	GG	1940125086
SNP_P1_315_1733815	NC_021160.1	Ca_kabuli_chr01	1733815	GG	AA	1940125087
SNP_P1_316_1733817	NC_021160.1	Ca_kabuli_chr01	1733817	CC	TT	1940125088
SNP_P1_317_1734133	NC_021160.1	Ca_kabuli_chr01	1734133	GG	AA	1940125089
SNP_P1_318_1734654	NC_021160.1	Ca_kabuli_chr01	1734654	AA	TT	1940125090
SNP_P1_319_1734668	NC_021160.1	Ca_kabuli_chr01	1734668	AA	GG	1940125091
SNP_P1_320_1734696	NC_021160.1	Ca_kabuli_chr01	1734696	TT	CC	1940125092
SNP_P1_321_1736117	NC_021160.1	Ca_kabuli_chr01	1736117	GG	AA	1940125093
SNP_P1_323_1737005	NC_021160.1	Ca_kabuli_chr01	1737005	TT	CC	1940125094
SNP_P1_324_1737281	NC_021160.1	Ca_kabuli_chr01	1737281	TT	GG	1940125095
SNP_P1_325_1737287	NC_021160.1	Ca_kabuli_chr01	1737287	CC	TT	1940125096
SNP_P1_326_1737311	NC_021160.1	Ca_kabuli_chr01	1737311	CC	GG	1940125097
SNP_P1_327_1737526	NC_021160.1	Ca_kabuli_chr01	1737526	CC	GG	1940125098
SNP_P1_329_1737730	NC_021160.1	Ca_kabuli_chr01	1737730	CC	GG	1940125099
SNP_P1_330_1737731	NC_021160.1	Ca_kabuli_chr01	1737731	GG	AA	1940125100
SNP_P1_331_1737735	NC_021160.1	Ca_kabuli_chr01	1737735	GG	AA	1940125101
SNP_P1_332_1737743	NC_021160.1	Ca_kabuli_chr01	1737743	AA	GG	1940125102
SNP_P1_333_1737970	NC_021160.1	Ca_kabuli_chr01	1737970	CC	TT	1940125103
SNP_P1_334_1739142	NC_021160.1	Ca_kabuli_chr01	1739142	CC	TT	1940125104
SNP_P1_335_1742621	NC_021160.1	Ca_kabuli_chr01	1742621	GG	TT	1940125105
SNP_P1_336_1742712	NC_021160.1	Ca_kabuli_chr01	1742712	TT	CC	1940125106
SNP_P1_337_1742938	NC_021160.1	Ca_kabuli_chr01	1742938	TT	AA	1940125107
SNP_P1_338_1743213	NC_021160.1	Ca_kabuli_chr01	1743213	AA	GG	1940125108
SNP_P1_339_1744292	NC_021160.1	Ca_kabuli_chr01	1744292	TT	CC	1940125110
SNP_P1_341_1744679	NC_021160.1	Ca_kabuli_chr01	1744679	TT	CC	1940125111
SNP_P1_342_1745222	NC_021160.1	Ca_kabuli_chr01	1745222	AA	GG	1940125112
SNP_P1_344_1745940	NC_021160.1	Ca_kabuli_chr01	1745940	GG	CC	1940125113

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_345_1745954	NC_021160.1	Ca_kabuli_chr01	1745954	AA	GG	1940125114
SNP_P1_346_1745982	NC_021160.1	Ca_kabuli_chr01	1745982	CC	TT	1940125115
SNP_P1_347_1746083	NC_021160.1	Ca_kabuli_chr01	1746083	CC	TT	1940125116
SNP_P1_348_1746129	NC_021160.1	Ca_kabuli_chr01	1746129	TT	GG	1940125117
SNP_P1_349_1746195	NC_021160.1	Ca_kabuli_chr01	1746195	TT	GG	1940125118
SNP_P1_350_1757035	NC_021160.1	Ca_kabuli_chr01	1757035	GG	AA	1940125119
SNP_P1_351_1757061	NC_021160.1	Ca_kabuli_chr01	1757061	GG	AA	1940125120
SNP_P1_352_1757091	NC_021160.1	Ca_kabuli_chr01	1757091	GG	AA	1940125121
SNP_P1_353_1763726	NC_021160.1	Ca_kabuli_chr01	1763726	GG	AA	1940125122
SNP_P1_354_1777689	NC_021160.1	Ca_kabuli_chr01	1777689	TT	CC	1940125123
SNP_P1_355_1777742	NC_021160.1	Ca_kabuli_chr01	1777742	CC	AA	1940125124
SNP_P1_356_1778682	NC_021160.1	Ca_kabuli_chr01	1778682	TT	GG	1940125125
SNP_P1_357_1779124	NC_021160.1	Ca_kabuli_chr01	1779124	CC	TT	1940125126
SNP_P1_358_1779151	NC_021160.1	Ca_kabuli_chr01	1779151	GG	AA	1940125127
SNP_P1_360_1780145	NC_021160.1	Ca_kabuli_chr01	1780145	TT	CC	1940125128
SNP_P1_361_1780191	NC_021160.1	Ca_kabuli_chr01	1780191	TT	CC	1940125129
SNP_P1_363_1781352	NC_021160.1	Ca_kabuli_chr01	1781352	CC	AA	1940125130
SNP_P1_364_1781384	NC_021160.1	Ca_kabuli_chr01	1781384	CC	TT	1940125131
SNP_P1_365_1781811	NC_021160.1	Ca_kabuli_chr01	1781811	AA	GG	1940125132
SNP_P1_366_1781833	NC_021160.1	Ca_kabuli_chr01	1781833	AA	GG	1940125133
SNP_P1_367_1782953	NC_021160.1	Ca_kabuli_chr01	1782953	AA	GG	1940125134
SNP_P1_368_1783207	NC_021160.1	Ca_kabuli_chr01	1783207	AA	GG	1940125135
SNP_P1_369_1783277	NC_021160.1	Ca_kabuli_chr01	1783277	AA	GG	1940125136
SNP_P1_370_1783280	NC_021160.1	Ca_kabuli_chr01	1783280	CC	AA	1940125137
SNP_P1_372_1783388	NC_021160.1	Ca_kabuli_chr01	1783388	AA	CC	1940125138
SNP_P1_373_1783389	NC_021160.1	Ca_kabuli_chr01	1783389	GG	AA	1940125139
SNP_P1_374_1783415	NC_021160.1	Ca_kabuli_chr01	1783415	TT	CC	1940125140
SNP_P1_375_1783736	NC_021160.1	Ca_kabuli_chr01	1783736	TT	CC	1940125141
SNP_P1_377_1784713	NC_021160.1	Ca_kabuli_chr01	1784713	GG	AA	1940125142
SNP_P1_378_1784992	NC_021160.1	Ca_kabuli_chr01	1784992	CC	TT	1940125143
SNP_P1_379_1785017	NC_021160.1	Ca_kabuli_chr01	1785017	CC	TT	1940125144
SNP_P1_380_1785122	NC_021160.1	Ca_kabuli_chr01	1785122	TT	CC	1940125145
SNP_P1_382_1786025	NC_021160.1	Ca_kabuli_chr01	1786025	TT	CC	1940125146
SNP_P1_383_1786177	NC_021160.1	Ca_kabuli_chr01	1786177	TT	GG	1940125147
SNP_P1_384_1786319	NC_021160.1	Ca_kabuli_chr01	1786319	TT	GG	1940125148
SNP_P1_385_1786320	NC_021160.1	Ca_kabuli_chr01	1786320	TT	AA	1940125149
SNP_P1_386_1786321	NC_021160.1	Ca_kabuli_chr01	1786321	TT	AA	1940125150
SNP_P1_387_1786463	NC_021160.1	Ca_kabuli_chr01	1786463	GG	AA	1940125151
SNP_P1_388_1787949	NC_021160.1	Ca_kabuli_chr01	1787949	CC	TT	1940125152
SNP_P1_389_1792185	NC_021160.1	Ca_kabuli_chr01	1792185	AA	TT	1940125153
SNP_P1_390_1792233	NC_021160.1	Ca_kabuli_chr01	1792233	CC	TT	1940125154
SNP_P1_391_1792366	NC_021160.1	Ca_kabuli_chr01	1792366	CC	GG	1940125155

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_393_1792568	NC_021160.1	Ca_kabuli_chr01	1792568	CC	TT	1940125157
SNP_P1_394_1792736	NC_021160.1	Ca_kabuli_chr01	1792736	AA	GG	1940125159
SNP_P1_395_1792782	NC_021160.1	Ca_kabuli_chr01	1792782	TT	CC	1940125160
SNP_P1_396_1792783	NC_021160.1	Ca_kabuli_chr01	1792783	GG	TT	1940125161
SNP_P1_397_1792814	NC_021160.1	Ca_kabuli_chr01	1792814	TT	CC	1940125162
SNP_P1_398_1792852	NC_021160.1	Ca_kabuli_chr01	1792852	GG	AA	1940125163
SNP_P1_399_1792853	NC_021160.1	Ca_kabuli_chr01	1792853	CC	TT	1940125164
SNP_P1_400_1792967	NC_021160.1	Ca_kabuli_chr01	1792967	CC	AA	1940125165
SNP_P1_401_1793011	NC_021160.1	Ca_kabuli_chr01	1793011	TT	AA	1940125166
SNP_P1_402_1793184	NC_021160.1	Ca_kabuli_chr01	1793184	AA	GG	1940125167
SNP_P1_403_1793203	NC_021160.1	Ca_kabuli_chr01	1793203	GG	AA	1940125168
SNP_P1_404_1793218	NC_021160.1	Ca_kabuli_chr01	1793218	TT	CC	1940125169
SNP_P1_406_1794616	NC_021160.1	Ca_kabuli_chr01	1794616	GG	AA	1940125170
SNP_P1_407_1794637	NC_021160.1	Ca_kabuli_chr01	1794637	AA	GG	1940125171
SNP_P1_408_1795588	NC_021160.1	Ca_kabuli_chr01	1795588	AA	GG	1940125172
SNP_P1_409_1796785	NC_021160.1	Ca_kabuli_chr01	1796785	TT	CC	1940125173
SNP_P1_410_1797048	NC_021160.1	Ca_kabuli_chr01	1797048	AA	GG	1940125174
SNP_P1_411_1797049	NC_021160.1	Ca_kabuli_chr01	1797049	AA	TT	1940125175
SNP_P1_412_1797083	NC_021160.1	Ca_kabuli_chr01	1797083	TT	AA	1940125176
SNP_P1_414_1798269	NC_021160.1	Ca_kabuli_chr01	1798269	AA	GG	1940125177
SNP_P1_415_1799951	NC_021160.1	Ca_kabuli_chr01	1799951	CC	TT	1940125178
SNP_P1_417_1800587	NC_021160.1	Ca_kabuli_chr01	1800587	GG	AA	1940125179
SNP_P1_418_1800607	NC_021160.1	Ca_kabuli_chr01	1800607	GG	AA	1940125180
SNP_P1_419_1800693	NC_021160.1	Ca_kabuli_chr01	1800693	TT	GG	1940125181
SNP_P1_420_1800695	NC_021160.1	Ca_kabuli_chr01	1800695	CC	AA	1940125182
SNP_P1_421_1802177	NC_021160.1	Ca_kabuli_chr01	1802177	CC	TT	1940125183
SNP_P1_422_1802188	NC_021160.1	Ca_kabuli_chr01	1802188	AA	GG	1940125184
SNP_P1_423_1802217	NC_021160.1	Ca_kabuli_chr01	1802217	GG	AA	1940125185
SNP_P1_424_1804537	NC_021160.1	Ca_kabuli_chr01	1804537	CC	AA	1940125186
SNP_P1_426_1805312	NC_021160.1	Ca_kabuli_chr01	1805312	TT	AA	1940125187
SNP_P1_427_1805369	NC_021160.1	Ca_kabuli_chr01	1805369	AA	TT	1940125188
SNP_P1_428_1805381	NC_021160.1	Ca_kabuli_chr01	1805381	AA	GG	1940125189
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SNP_P1_430_1805624	NC_021160.1	Ca_kabuli_chr01	1805624	AA	TT	1940125191
SNP_P1_431_1805885	NC_021160.1	Ca_kabuli_chr01	1805885	GG	TT	1940125192
SNP_P1_432_1805893	NC_021160.1	Ca_kabuli_chr01	1805893	GG	TT	1940125193
SNP_P1_433_1805906	NC_021160.1	Ca_kabuli_chr01	1805906	GG	TT	1940125194
SNP_P1_434_1805930	NC_021160.1	Ca_kabuli_chr01	1805930	AA	GG	1940125195
SNP_P1_435_1807499	NC_021160.1	Ca_kabuli_chr01	1807499	GG	AA	1940125196
SNP_P1_436_1807689	NC_021160.1	Ca_kabuli_chr01	1807689	AA	GG	1940125197
SNP_P1_437_1807694	NC_021160.1	Ca_kabuli_chr01	1807694	TT	CC	1940125198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_439_1807758	NC_021160.1	Ca_kabuli_chr01	1807758	CC	TT	1940125200
SNP_P1_440_1807768	NC_021160.1	Ca_kabuli_chr01	1807768	TT	CC	1940125201
SNP_P1_441_1807806	NC_021160.1	Ca_kabuli_chr01	1807806	CC	TT	1940125202
SNP_P1_443_1812000	NC_021160.1	Ca_kabuli_chr01	1812000	GG	CC	1940125203
SNP_P1_444_1813652	NC_021160.1	Ca_kabuli_chr01	1813652	GG	TT	1940125204
SNP_P1_445_1813664	NC_021160.1	Ca_kabuli_chr01	1813664	AA	TT	1940125205
SNP_P1_446_1814033	NC_021160.1	Ca_kabuli_chr01	1814033	AA	GG	1940125206
SNP_P1_447_1817280	NC_021160.1	Ca_kabuli_chr01	1817280	CC	AA	1940125207
SNP_P1_449_1817338	NC_021160.1	Ca_kabuli_chr01	1817338	TT	AA	1940125208
SNP_P1_450_1817350	NC_021160.1	Ca_kabuli_chr01	1817350	AA	TT	1940125209
SNP_P1_451_1817568	NC_021160.1	Ca_kabuli_chr01	1817568	AA	GG	1940125210
SNP_P1_452_1817626	NC_021160.1	Ca_kabuli_chr01	1817626	CC	TT	1940125211
SNP_P1_453_1817635	NC_021160.1	Ca_kabuli_chr01	1817635	TT	CC	1940125212
SNP_P1_454_1817805	NC_021160.1	Ca_kabuli_chr01	1817805	CC	TT	1940125213
SNP_P1_455_1817903	NC_021160.1	Ca_kabuli_chr01	1817903	TT	AA	1940125214
SNP_P1_457_1818016	NC_021160.1	Ca_kabuli_chr01	1818016	TT	AA	1940125216
SNP_P1_458_1818017	NC_021160.1	Ca_kabuli_chr01	1818017	GG	TT	1940125217
SNP_P1_459_1818035	NC_021160.1	Ca_kabuli_chr01	1818035	CC	GG	1940125218
SNP_P1_460_1820407	NC_021160.1	Ca_kabuli_chr01	1820407	TT	CC	1940125219
SNP_P1_461_1820414	NC_021160.1	Ca_kabuli_chr01	1820414	CC	TT	1940125220
SNP_P1_463_1820550	NC_021160.1	Ca_kabuli_chr01	1820550	TT	GG	1940125221
SNP_P1_464_1820724	NC_021160.1	Ca_kabuli_chr01	1820724	TT	CC	1940125222
SNP_P1_465_1821121	NC_021160.1	Ca_kabuli_chr01	1821121	GG	CC	1940125223
SNP_P1_466_1824611	NC_021160.1	Ca_kabuli_chr01	1824611	CC	AA	1940125224
SNP_P1_467_1824660	NC_021160.1	Ca_kabuli_chr01	1824660	TT	CC	1940125225
SNP_P1_468_1824682	NC_021160.1	Ca_kabuli_chr01	1824682	CC	GG	1940125226
SNP_P1_469_1825395	NC_021160.1	Ca_kabuli_chr01	1825395	AA	GG	1940125227
SNP_P1_470_1831998	NC_021160.1	Ca_kabuli_chr01	1831998	GG	TT	1940125228
SNP_P1_472_1836111	NC_021160.1	Ca_kabuli_chr01	1836111	TT	AA	1940125229
SNP_P1_473_1836480	NC_021160.1	Ca_kabuli_chr01	1836480	AA	TT	1940125230
SNP_P1_474_1836534	NC_021160.1	Ca_kabuli_chr01	1836534	TT	GG	1940125231
SNP_P1_475_1836817	NC_021160.1	Ca_kabuli_chr01	1836817	AA	TT	1940125232
SNP_P1_477_1836863	NC_021160.1	Ca_kabuli_chr01	1836863	GG	AA	1940125233
SNP_P1_478_1836918	NC_021160.1	Ca_kabuli_chr01	1836918	TT	AA	1940125234
SNP_P1_479_1838085	NC_021160.1	Ca_kabuli_chr01	1838085	AA	TT	1940125235
SNP_P1_480_1838100	NC_021160.1	Ca_kabuli_chr01	1838100	TT	CC	1940125236
SNP_P1_481_1838409	NC_021160.1	Ca_kabuli_chr01	1838409	TT	AA	1940125237
SNP_P1_482_1839038	NC_021160.1	Ca_kabuli_chr01	1839038	GG	TT	1940125238
SNP_P1_483_1839051	NC_021160.1	Ca_kabuli_chr01	1839051	TT	CC	1940125239
SNP_P1_484_1839565	NC_021160.1	Ca_kabuli_chr01	1839565	TT	AA	1940125240
SNP_P1_485_1839607	NC_021160.1	Ca_kabuli_chr01	1839607	AA	GG	1940125241

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_487_1840799	NC_021160.1	Ca_kabuli_chr01	1840799	AA	CC	1940125243
SNP_P1_488_1840818	NC_021160.1	Ca_kabuli_chr01	1840818	CC	TT	1940125244
SNP_P1_489_1840824	NC_021160.1	Ca_kabuli_chr01	1840824	AA	GG	1940125245
SNP_P1_490_1840901	NC_021160.1	Ca_kabuli_chr01	1840901	AA	CC	1940125246
SNP_P1_491_1840967	NC_021160.1	Ca_kabuli_chr01	1840967	CC	AA	1940125247
SNP_P1_492_1840971	NC_021160.1	Ca_kabuli_chr01	1840971	TT	CC	1940125248
SNP_P1_493_1840980	NC_021160.1	Ca_kabuli_chr01	1840980	TT	CC	1940125249
SNP_P1_494_1841010	NC_021160.1	Ca_kabuli_chr01	1841010	AA	GG	1940125250
SNP_P1_497_1841306	NC_021160.1	Ca_kabuli_chr01	1841306	GG	TT	1940125251
SNP_P1_498_1841321	NC_021160.1	Ca_kabuli_chr01	1841321	AA	GG	1940125252
SNP_P1_499_1841324	NC_021160.1	Ca_kabuli_chr01	1841324	TT	CC	1940125253
SNP_P1_500_1841325	NC_021160.1	Ca_kabuli_chr01	1841325	CC	GG	1940125254
SNP_P1_501_1841358	NC_021160.1	Ca_kabuli_chr01	1841358	AA	CC	1940125255
SNP_P1_502_1841377	NC_021160.1	Ca_kabuli_chr01	1841377	TT	AA	1940125256
SNP_P1_504_1841497	NC_021160.1	Ca_kabuli_chr01	1841497	CC	AA	1940125257
SNP_P1_506_1841613	NC_021160.1	Ca_kabuli_chr01	1841613	CC	TT	1940125258
SNP_P1_507_1842388	NC_021160.1	Ca_kabuli_chr01	1842388	GG	TT	1940125259
SNP_P1_508_1842520	NC_021160.1	Ca_kabuli_chr01	1842520	CC	TT	1940125260
SNP_P1_509_1842566	NC_021160.1	Ca_kabuli_chr01	1842566	GG	TT	1940125261
SNP_P1_510_1842574	NC_021160.1	Ca_kabuli_chr01	1842574	CC	AA	1940125263
SNP_P1_511_1842575	NC_021160.1	Ca_kabuli_chr01	1842575	GG	CC	1940125264
SNP_P1_512_1842577	NC_021160.1	Ca_kabuli_chr01	1842577	GG	AA	1940125265
SNP_P1_513_1842596	NC_021160.1	Ca_kabuli_chr01	1842596	GG	TT	1940125266
SNP_P1_514_1842635	NC_021160.1	Ca_kabuli_chr01	1842635	GG	AA	1940125267
SNP_P1_515_1842645	NC_021160.1	Ca_kabuli_chr01	1842645	GG	AA	1940125268
SNP_P1_517_1843120	NC_021160.1	Ca_kabuli_chr01	1843120	TT	GG	1940125269
SNP_P1_518_1843376	NC_021160.1	Ca_kabuli_chr01	1843376	TT	GG	1940125270
SNP_P1_520_1843427	NC_021160.1	Ca_kabuli_chr01	1843427	GG	CC	1940125271
SNP_P1_521_1843705	NC_021160.1	Ca_kabuli_chr01	1843705	AA	TT	1940125272
SNP_P1_522_1843778	NC_021160.1	Ca_kabuli_chr01	1843778	CC	AA	1940125273
SNP_P1_523_1845583	NC_021160.1	Ca_kabuli_chr01	1845583	TT	CC	1940125274
SNP_P1_524_1845868	NC_021160.1	Ca_kabuli_chr01	1845868	GG	AA	1940125275
SNP_P1_525_1846081	NC_021160.1	Ca_kabuli_chr01	1846081	TT	AA	1940125276
SNP_P1_526_1846085	NC_021160.1	Ca_kabuli_chr01	1846085	GG	AA	1940125277
SNP_P1_527_1846133	NC_021160.1	Ca_kabuli_chr01	1846133	AA	GG	1940125278
SNP_P1_528_1846138	NC_021160.1	Ca_kabuli_chr01	1846138	TT	CC	1940125279
SNP_P1_529_1846997	NC_021160.1	Ca_kabuli_chr01	1846997	TT	CC	1940125280
SNP_P1_530_1847032	NC_021160.1	Ca_kabuli_chr01	1847032	TT	GG	1940125281
SNP_P1_531_1847057	NC_021160.1	Ca_kabuli_chr01	1847057	GG	AA	1940125282
SNP_P1_532_1847120	NC_021160.1	Ca_kabuli_chr01	1847120	GG	AA	1940125283
SNP_P1_533_1847121	NC_021160.1	Ca_kabuli_chr01	1847121	AA	GG	1940125284

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_535_1848016	NC_021160.1	Ca_kabuli_chr01	1848016	GG	AA	1940125286
SNP_P1_536_1848017	NC_021160.1	Ca_kabuli_chr01	1848017	TT	GG	1940125287
SNP_P1_537_1848759	NC_021160.1	Ca_kabuli_chr01	1848759	TT	CC	1940125288
SNP_P1_538_1848830	NC_021160.1	Ca_kabuli_chr01	1848830	TT	GG	1940125289
SNP_P1_541_1851376	NC_021160.1	Ca_kabuli_chr01	1851376	GG	AA	1940125290
SNP_P1_542_1851403	NC_021160.1	Ca_kabuli_chr01	1851403	AA	TT	1940125291
SNP_P1_543_1852306	NC_021160.1	Ca_kabuli_chr01	1852306	GG	CC	1940125292
SNP_P1_544_1852332	NC_021160.1	Ca_kabuli_chr01	1852332	CC	AA	1940125293
SNP_P1_545_1852464	NC_021160.1	Ca_kabuli_chr01	1852464	CC	TT	1940125294
SNP_P1_548_1852886	NC_021160.1	Ca_kabuli_chr01	1852886	TT	AA	1940125295
SNP_P1_549_1853496	NC_021160.1	Ca_kabuli_chr01	1853496	TT	AA	1940125296
SNP_P1_550_1853517	NC_021160.1	Ca_kabuli_chr01	1853517	TT	CC	1940125297
SNP_P1_551_1853589	NC_021160.1	Ca_kabuli_chr01	1853589	CC	TT	1940125298
SNP_P1_552_1853603	NC_021160.1	Ca_kabuli_chr01	1853603	TT	GG	1940125299
SNP_P1_553_1853755	NC_021160.1	Ca_kabuli_chr01	1853755	TT	AA	1940125300
SNP_P1_554_1853759	NC_021160.1	Ca_kabuli_chr01	1853759	TT	AA	1940125301
SNP_P1_555_1856176	NC_021160.1	Ca_kabuli_chr01	1856176	TT	CC	1940125302
SNP_P1_556_1856423	NC_021160.1	Ca_kabuli_chr01	1856423	TT	AA	1940125304
SNP_P1_557_1856496	NC_021160.1	Ca_kabuli_chr01	1856496	AA	CC	1940125305
SNP_P1_558_1856690	NC_021160.1	Ca_kabuli_chr01	1856690	CC	TT	1940125306
SNP_P1_559_1857063	NC_021160.1	Ca_kabuli_chr01	1857063	TT	AA	1940125307
SNP_P1_560_1857395	NC_021160.1	Ca_kabuli_chr01	1857395	TT	GG	1940125308
SNP_P1_561_1858041	NC_021160.1	Ca_kabuli_chr01	1858041	TT	AA	1940125309
SNP_P1_562_1858064	NC_021160.1	Ca_kabuli_chr01	1858064	TT	AA	1940125310
SNP_P1_563_1858073	NC_021160.1	Ca_kabuli_chr01	1858073	TT	CC	1940125311
SNP_P1_564_1858078	NC_021160.1	Ca_kabuli_chr01	1858078	CC	TT	1940125312
SNP_P1_565_1862342	NC_021160.1	Ca_kabuli_chr01	1862342	GG	CC	1940125313
SNP_P1_566_1862352	NC_021160.1	Ca_kabuli_chr01	1862352	CC	TT	1940125314
SNP_P1_567_1862987	NC_021160.1	Ca_kabuli_chr01	1862987	CC	AA	1940125315
SNP_P1_568_1863248	NC_021160.1	Ca_kabuli_chr01	1863248	AA	TT	1940125316
SNP_P1_569_1863536	NC_021160.1	Ca_kabuli_chr01	1863536	AA	GG	1940125317
SNP_P1_570_1863798	NC_021160.1	Ca_kabuli_chr01	1863798	GG	AA	1940125318
SNP_P1_571_1864397	NC_021160.1	Ca_kabuli_chr01	1864397	AA	GG	1940125319
SNP_P1_572_1864566	NC_021160.1	Ca_kabuli_chr01	1864566	TT	GG	1940125320
SNP_P1_573_1865417	NC_021160.1	Ca_kabuli_chr01	1865417	CC	GG	1940125321
SNP_P1_574_1869287	NC_021160.1	Ca_kabuli_chr01	1869287	TT	CC	1940125322
SNP_P1_575_1869849	NC_021160.1	Ca_kabuli_chr01	1869849	TT	CC	1940125323
SNP_P1_576_1869864	NC_021160.1	Ca_kabuli_chr01	1869864	CC	AA	1940125324
SNP_P1_577_1869865	NC_021160.1	Ca_kabuli_chr01	1869865	AA	GG	1940125325
SNP_P1_578_1870202	NC_021160.1	Ca_kabuli_chr01	1870202	TT	CC	1940125326
SNP_P1_579_1870245	NC_021160.1	Ca_kabuli_chr01	1870245	TT	AA	1940125327

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_581_1871126	NC_021160.1	Ca_kabuli_chr01	1871126	TT	AA	1940125329
SNP_P1_582_1871129	NC_021160.1	Ca_kabuli_chr01	1871129	CC	TT	1940125330
SNP_P1_583_1872982	NC_021160.1	Ca_kabuli_chr01	1872982	TT	AA	1940125331
SNP_P1_584_1873131	NC_021160.1	Ca_kabuli_chr01	1873131	TT	CC	1940125332
SNP_P1_586_1874435	NC_021160.1	Ca_kabuli_chr01	1874435	TT	AA	1940125333
SNP_P1_587_1874440	NC_021160.1	Ca_kabuli_chr01	1874440	TT	AA	1940125334
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SNP_P1_591_1875844	NC_021160.1	Ca_kabuli_chr01	1875844	CC	TT	1940125337
SNP_P1_592_1875931	NC_021160.1	Ca_kabuli_chr01	1875931	TT	AA	1940125338
SNP_P1_593_1876104	NC_021160.1	Ca_kabuli_chr01	1876104	TT	AA	1940125339
SNP_P1_595_1876567	NC_021160.1	Ca_kabuli_chr01	1876567	TT	AA	1940125340
SNP_P1_596_1876587	NC_021160.1	Ca_kabuli_chr01	1876587	CC	TT	1940125341
SNP_P1_597_1877568	NC_021160.1	Ca_kabuli_chr01	1877568	AA	GG	1940125342
SNP_P1_598_1877668	NC_021160.1	Ca_kabuli_chr01	1877668	GG	AA	1940125343
SNP_P1_599_1877779	NC_021160.1	Ca_kabuli_chr01	1877779	AA	GG	1940125344
SNP_P1_600_1877786	NC_021160.1	Ca_kabuli_chr01	1877786	CC	AA	1940125346
SNP_P1_601_1877907	NC_021160.1	Ca_kabuli_chr01	1877907	GG	CC	1940125347
SNP_P1_602_1878055	NC_021160.1	Ca_kabuli_chr01	1878055	GG	AA	1940125348
SNP_P1_603_1878354	NC_021160.1	Ca_kabuli_chr01	1878354	CC	TT	1940125349
SNP_P1_604_1878597	NC_021160.1	Ca_kabuli_chr01	1878597	TT	CC	1940125350
SNP_P1_605_1878628	NC_021160.1	Ca_kabuli_chr01	1878628	GG	AA	1940125351
SNP_P1_606_1878682	NC_021160.1	Ca_kabuli_chr01	1878682	CC	TT	1940125352
SNP_P1_607_1878742	NC_021160.1	Ca_kabuli_chr01	1878742	GG	TT	1940125353
SNP_P1_608_1878766	NC_021160.1	Ca_kabuli_chr01	1878766	AA	TT	1940125354
SNP_P1_609_1878771	NC_021160.1	Ca_kabuli_chr01	1878771	CC	TT	1940125355
SNP_P1_610_1878793	NC_021160.1	Ca_kabuli_chr01	1878793	CC	GG	1940125356
SNP_P1_611_1878834	NC_021160.1	Ca_kabuli_chr01	1878834	GG	CC	1940125357
SNP_P1_612_1881223	NC_021160.1	Ca_kabuli_chr01	1881223	TT	CC	1940125358
SNP_P1_613_1881296	NC_021160.1	Ca_kabuli_chr01	1881296	CC	GG	1940125359
SNP_P1_614_1881396	NC_021160.1	Ca_kabuli_chr01	1881396	TT	CC	1940125360
SNP_P1_615_1882530	NC_021160.1	Ca_kabuli_chr01	1882530	GG	CC	1940125361
SNP_P1_617_1882710	NC_021160.1	Ca_kabuli_chr01	1882710	TT	GG	1940125362
SNP_P1_620_1883070	NC_021160.1	Ca_kabuli_chr01	1883070	AA	GG	1940125363
SNP_P1_622_1883120	NC_021160.1	Ca_kabuli_chr01	1883120	AA	CC	1940125364
SNP_P1_623_1883132	NC_021160.1	Ca_kabuli_chr01	1883132	CC	TT	1940125365
SNP_P1_625_1883200	NC_021160.1	Ca_kabuli_chr01	1883200	GG	AA	1940125366
SNP_P1_626_1884141	NC_021160.1	Ca_kabuli_chr01	1884141	GG	AA	1940125367
SNP_P1_627_1884399	NC_021160.1	Ca_kabuli_chr01	1884399	GG	AA	1940125368
SNP_P1_628_1887552	NC_021160.1	Ca_kabuli_chr01	1887552	GG	AA	1940125369
SNP_P1_629_1887780	NC_021160.1	Ca_kabuli_chr01	1887780	TT	GG	1940125370

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_633_1888583	NC_021160.1	Ca_kabuli_chr01	1888583	TT	CC	1940125373
SNP_P1_635_1888775	NC_021160.1	Ca_kabuli_chr01	1888775	AA	TT	1940125374
SNP_P1_636_1888913	NC_021160.1	Ca_kabuli_chr01	1888913	AA	CC	1940125375
SNP_P1_637_1888924	NC_021160.1	Ca_kabuli_chr01	1888924	GG	AA	1940125376
SNP_P1_639_1888994	NC_021160.1	Ca_kabuli_chr01	1888994	CC	TT	1940125377
SNP_P1_640_1889491	NC_021160.1	Ca_kabuli_chr01	1889491	CC	AA	1940125378
SNP_P1_641_1894845	NC_021160.1	Ca_kabuli_chr01	1894845	CC	TT	1940125379
SNP_P1_642_1896259	NC_021160.1	Ca_kabuli_chr01	1896259	CC	TT	1940125380
SNP_P1_643_1896413	NC_021160.1	Ca_kabuli_chr01	1896413	AA	GG	1940125381
SNP_P1_644_1896424	NC_021160.1	Ca_kabuli_chr01	1896424	CC	TT	1940125382
SNP_P1_645_1896463	NC_021160.1	Ca_kabuli_chr01	1896463	AA	GG	1940125383
SNP_P1_646_1896782	NC_021160.1	Ca_kabuli_chr01	1896782	AA	CC	1940125384
SNP_P1_647_1896789	NC_021160.1	Ca_kabuli_chr01	1896789	AA	TT	1940125385
SNP_P1_648_1896828	NC_021160.1	Ca_kabuli_chr01	1896828	TT	AA	1940125386
SNP_P1_649_1896847	NC_021160.1	Ca_kabuli_chr01	1896847	CC	TT	1940125387
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SNP_P1_651_1899045	NC_021160.1	Ca_kabuli_chr01	1899045	TT	CC	1940125389
SNP_P1_652_1901283	NC_021160.1	Ca_kabuli_chr01	1901283	AA	GG	1940125390
SNP_P1_653_1901506	NC_021160.1	Ca_kabuli_chr01	1901506	TT	CC	1940125391
SNP_P1_654_1902178	NC_021160.1	Ca_kabuli_chr01	1902178	GG	AA	1940125392
SNP_P1_656_1903058	NC_021160.1	Ca_kabuli_chr01	1903058	TT	AA	1940125393
SNP_P1_657_1903927	NC_021160.1	Ca_kabuli_chr01	1903927	AA	TT	1940125394
SNP_P1_658_1905401	NC_021160.1	Ca_kabuli_chr01	1905401	GG	AA	1940125395
SNP_P1_659_1905471	NC_021160.1	Ca_kabuli_chr01	1905471	CC	AA	1940125396
SNP_P1_660_1905719	NC_021160.1	Ca_kabuli_chr01	1905719	CC	GG	1940125397
SNP_P1_661_1906073	NC_021160.1	Ca_kabuli_chr01	1906073	GG	TT	1940125398
SNP_P1_662_1906078	NC_021160.1	Ca_kabuli_chr01	1906078	AA	TT	1940125399
SNP_P1_663_1906093	NC_021160.1	Ca_kabuli_chr01	1906093	TT	CC	1940125401
SNP_P1_664_1906096	NC_021160.1	Ca_kabuli_chr01	1906096	CC	TT	1940125402
SNP_P1_665_1907496	NC_021160.1	Ca_kabuli_chr01	1907496	GG	TT	1940125403
SNP_P1_666_1907520	NC_021160.1	Ca_kabuli_chr01	1907520	AA	TT	1940125404
SNP_P1_667_1907773	NC_021160.1	Ca_kabuli_chr01	1907773	AA	TT	1940125405
SNP_P1_668_1907840	NC_021160.1	Ca_kabuli_chr01	1907840	TT	CC	1940125406
SNP_P1_669_1908123	NC_021160.1	Ca_kabuli_chr01	1908123	GG	TT	1940125407
SNP_P1_670_1908153	NC_021160.1	Ca_kabuli_chr01	1908153	TT	AA	1940125408
SNP_P1_672_1909385	NC_021160.1	Ca_kabuli_chr01	1909385	AA	GG	1940125409
SNP_P1_673_1909416	NC_021160.1	Ca_kabuli_chr01	1909416	TT	CC	1940125410
SNP_P1_676_1910806	NC_021160.1	Ca_kabuli_chr01	1910806	TT	CC	1940125411
SNP_P1_677_1911831	NC_021160.1	Ca_kabuli_chr01	1911831	GG	AA	1940125412
SNP_P1_678_1913667	NC_021160.1	Ca_kabuli_chr01	1913667	GG	AA	1940125413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_679_1913854	NC_021160.1	Ca_kabuli_chr01	1913854	TT	CC	1940125414
SNP_P1_681_1914639	NC_021160.1	Ca_kabuli_chr01	1914639	TT	AA	1940125415
SNP_P1_682_1914702	NC_021160.1	Ca_kabuli_chr01	1914702	TT	CC	1940125416
SNP_P1_683_1914775	NC_021160.1	Ca_kabuli_chr01	1914775	AA	GG	1940125417
SNP_P1_684_1914879	NC_021160.1	Ca_kabuli_chr01	1914879	TT	AA	1940125418
SNP_P1_685_1914990	NC_021160.1	Ca_kabuli_chr01	1914990	CC	TT	1940125419
SNP_P1_686_1915050	NC_021160.1	Ca_kabuli_chr01	1915050	GG	AA	1940125420
SNP_P1_688_1915307	NC_021160.1	Ca_kabuli_chr01	1915307	CC	TT	1940125421
SNP_P1_689_1915308	NC_021160.1	Ca_kabuli_chr01	1915308	GG	AA	1940125422
SNP_P1_690_1915644	NC_021160.1	Ca_kabuli_chr01	1915644	AA	GG	1940125423
SNP_P1_691_1915915	NC_021160.1	Ca_kabuli_chr01	1915915	AA	GG	1940125424
SNP_P1_692_1915973	NC_021160.1	Ca_kabuli_chr01	1915973	CC	GG	1940125425
SNP_P1_693_1915989	NC_021160.1	Ca_kabuli_chr01	1915989	AA	TT	1940125426
SNP_P1_695_1917886	NC_021160.1	Ca_kabuli_chr01	1917886	TT	AA	1940125427
SNP_P1_696_1925057	NC_021160.1	Ca_kabuli_chr01	1925057	GG	AA	1940125428
SNP_P1_697_1926213	NC_021160.1	Ca_kabuli_chr01	1926213	AA	GG	1940125429
SNP_P1_699_1927827	NC_021160.1	Ca_kabuli_chr01	1927827	TT	CC	1940125430
SNP_P1_700_1930124	NC_021160.1	Ca_kabuli_chr01	1930124	CC	TT	1940125431
SNP_P1_702_1934657	NC_021160.1	Ca_kabuli_chr01	1934657	CC	TT	1940125432
SNP_P1_703_1936582	NC_021160.1	Ca_kabuli_chr01	1936582	TT	CC	1940125433
SNP_P1_704_1936595	NC_021160.1	Ca_kabuli_chr01	1936595	TT	AA	1940125434
SNP_P1_705_1936660	NC_021160.1	Ca_kabuli_chr01	1936660	TT	CC	1940125435
SNP_P1_706_1936712	NC_021160.1	Ca_kabuli_chr01	1936712	TT	AA	1940125436
SNP_P1_707_1937739	NC_021160.1	Ca_kabuli_chr01	1937739	GG	AA	1940125437
SNP_P1_708_1941987	NC_021160.1	Ca_kabuli_chr01	1941987	GG	TT	1940125438
SNP_P1_709_1942553	NC_021160.1	Ca_kabuli_chr01	1942553	CC	TT	1940125439
SNP_P1_710_1942928	NC_021160.1	Ca_kabuli_chr01	1942928	GG	CC	1940125440
SNP_P1_711_1944186	NC_021160.1	Ca_kabuli_chr01	1944186	CC	AA	1940125441
SNP_P1_712_1944194	NC_021160.1	Ca_kabuli_chr01	1944194	TT	GG	1940125442
SNP_P1_713_1944196	NC_021160.1	Ca_kabuli_chr01	1944196	CC	GG	1940125443
SNP_P1_714_1944330	NC_021160.1	Ca_kabuli_chr01	1944330	GG	TT	1940125444
SNP_P1_715_1944700	NC_021160.1	Ca_kabuli_chr01	1944700	CC	AA	1940125445
SNP_P1_716_1950151	NC_021160.1	Ca_kabuli_chr01	1950151	AA	GG	1940125446
SNP_P1_717_1950170	NC_021160.1	Ca_kabuli_chr01	1950170	CC	TT	1940125447
SNP_P1_718_1950201	NC_021160.1	Ca_kabuli_chr01	1950201	AA	GG	1940125448
SNP_P1_719_1950336	NC_021160.1	Ca_kabuli_chr01	1950336	AA	GG	1940125449
SNP_P1_720_1950349	NC_021160.1	Ca_kabuli_chr01	1950349	AA	GG	1940125450
SNP_P1_721_1950353	NC_021160.1	Ca_kabuli_chr01	1950353	CC	TT	1940125452
SNP_P1_722_1950507	NC_021160.1	Ca_kabuli_chr01	1950507	GG	TT	1940125453
SNP_P1_723_1950557	NC_021160.1	Ca_kabuli_chr01	1950557	CC	TT	1940125454
SNP_P1_724_1950643	NC_021160.1	Ca_kabuli_chr01	1950643	AA	GG	1940125455
SNP_P1_726_1950827	NC_021160.1	Ca_kabuli_chr01	1950827	AA	TT	1940125456

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_727_1951140	NC_021160.1	Ca_kabuli_chr01	1951140	TT	AA	1940125457
SNP_P1_729_1951646	NC_021160.1	Ca_kabuli_chr01	1951646	GG	AA	1940125458
SNP_P1_730_1953902	NC_021160.1	Ca_kabuli_chr01	1953902	AA	GG	1940125459
SNP_P1_731_1953910	NC_021160.1	Ca_kabuli_chr01	1953910	GG	AA	1940125460
SNP_P1_732_1953954	NC_021160.1	Ca_kabuli_chr01	1953954	CC	GG	1940125461
SNP_P1_733_1955370	NC_021160.1	Ca_kabuli_chr01	1955370	GG	AA	1940125462
SNP_P1_734_1957918	NC_021160.1	Ca_kabuli_chr01	1957918	GG	CC	1940125463
SNP_P1_735_1957955	NC_021160.1	Ca_kabuli_chr01	1957955	GG	TT	1940125464
SNP_P1_736_1958005	NC_021160.1	Ca_kabuli_chr01	1958005	AA	GG	1940125465
SNP_P1_737_1958038	NC_021160.1	Ca_kabuli_chr01	1958038	GG	CC	1940125466
SNP_P1_738_1958960	NC_021160.1	Ca_kabuli_chr01	1958960	GG	AA	1940125467
SNP_P1_739_1960845	NC_021160.1	Ca_kabuli_chr01	1960845	GG	TT	1940125468
SNP_P1_740_1961833	NC_021160.1	Ca_kabuli_chr01	1961833	AA	GG	1940125469
SNP_P1_742_1964251	NC_021160.1	Ca_kabuli_chr01	1964251	GG	AA	1940125470
SNP_P1_743_1964291	NC_021160.1	Ca_kabuli_chr01	1964291	CC	TT	1940125471
SNP_P1_744_1964306	NC_021160.1	Ca_kabuli_chr01	1964306	CC	TT	1940125472
SNP_P1_745_1964320	NC_021160.1	Ca_kabuli_chr01	1964320	AA	GG	1940125473
SNP_P1_746_1964324	NC_021160.1	Ca_kabuli_chr01	1964324	TT	CC	1940125474
SNP_P1_747_1964422	NC_021160.1	Ca_kabuli_chr01	1964422	CC	GG	1940125475
SNP_P1_748_1964434	NC_021160.1	Ca_kabuli_chr01	1964434	CC	TT	1940125476
SNP_P1_749_1966074	NC_021160.1	Ca_kabuli_chr01	1966074	GG	AA	1940125477
SNP_P1_751_1966277	NC_021160.1	Ca_kabuli_chr01	1966277	GG	CC	1940125478
SNP_P1_752_1967174	NC_021160.1	Ca_kabuli_chr01	1967174	AA	GG	1940125479
SNP_P1_753_1968309	NC_021160.1	Ca_kabuli_chr01	1968309	GG	AA	1940125480
SNP_P1_755_1969232	NC_021160.1	Ca_kabuli_chr01	1969232	GG	AA	1940125481
SNP_P1_757_1969497	NC_021160.1	Ca_kabuli_chr01	1969497	AA	GG	1940125482
SNP_P1_758_1969815	NC_021160.1	Ca_kabuli_chr01	1969815	GG	AA	1940125483
SNP_P1_759_1969896	NC_021160.1	Ca_kabuli_chr01	1969896	AA	CC	1940125484
SNP_P1_760_1970117	NC_021160.1	Ca_kabuli_chr01	1970117	CC	TT	1940125485
SNP_P1_761_1970175	NC_021160.1	Ca_kabuli_chr01	1970175	TT	CC	1940125486
SNP_P1_762_1970176	NC_021160.1	Ca_kabuli_chr01	1970176	CC	GG	1940125487
SNP_P1_763_1970210	NC_021160.1	Ca_kabuli_chr01	1970210	GG	AA	1940125488
SNP_P1_765_1970264	NC_021160.1	Ca_kabuli_chr01	1970264	AA	CC	1940125489
SNP_P1_766_1974290	NC_021160.1	Ca_kabuli_chr01	1974290	TT	CC	1940125490
SNP_P1_768_1974676	NC_021160.1	Ca_kabuli_chr01	1974676	CC	TT	1940125491
SNP_P1_769_1974714	NC_021160.1	Ca_kabuli_chr01	1974714	TT	CC	1940125492
SNP_P1_770_1975013	NC_021160.1	Ca_kabuli_chr01	1975013	AA	TT	1940125493
SNP_P1_771_1975258	NC_021160.1	Ca_kabuli_chr01	1975258	CC	TT	1940125494
SNP_P1_772_1975420	NC_021160.1	Ca_kabuli_chr01	1975420	GG	AA	1940125495
SNP_P1_774_1977191	NC_021160.1	Ca_kabuli_chr01	1977191	TT	AA	1940125496
SNP_P1_775_1977529	NC_021160.1	Ca_kabuli_chr01	1977529	AA	GG	1940125497
SNP_P1_776_1977546	NC_021160.1	Ca_kabuli_chr01	1977546	GG	TT	1940125498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_779_1979523	NC_021160.1	Ca_kabuli_chr01	1979523	GG	CC	1940125500
SNP_P1_780_1979528	NC_021160.1	Ca_kabuli_chr01	1979528	AA	TT	1940125501
SNP_P1_781_1979537	NC_021160.1	Ca_kabuli_chr01	1979537	TT	CC	1940125502
SNP_P1_782_1980689	NC_021160.1	Ca_kabuli_chr01	1980689	AA	GG	1940125503
SNP_P1_783_1981013	NC_021160.1	Ca_kabuli_chr01	1981013	TT	CC	1940125504
SNP_P1_784_1981014	NC_021160.1	Ca_kabuli_chr01	1981014	TT	CC	1940125505
SNP_P1_785_1981027	NC_021160.1	Ca_kabuli_chr01	1981027	GG	TT	1940125506
SNP_P1_786_1981199	NC_021160.1	Ca_kabuli_chr01	1981199	CC	AA	1940125507
SNP_P1_787_1981229	NC_021160.1	Ca_kabuli_chr01	1981229	AA	GG	1940125508
SNP_P1_788_1981231	NC_021160.1	Ca_kabuli_chr01	1981231	GG	AA	1940125509
SNP_P1_789_1981500	NC_021160.1	Ca_kabuli_chr01	1981500	AA	TT	1940125510
SNP_P1_790_1981575	NC_021160.1	Ca_kabuli_chr01	1981575	TT	CC	1940125511
SNP_P1_791_1981912	NC_021160.1	Ca_kabuli_chr01	1981912	GG	AA	1940125512
SNP_P1_792_1981920	NC_021160.1	Ca_kabuli_chr01	1981920	TT	CC	1940125513
SNP_P1_793_1981951	NC_021160.1	Ca_kabuli_chr01	1981951	TT	AA	1940125514
SNP_P1_794_1982061	NC_021160.1	Ca_kabuli_chr01	1982061	AA	CC	1940125515
SNP_P1_795_1982077	NC_021160.1	Ca_kabuli_chr01	1982077	GG	TT	1940125516
SNP_P1_796_1982357	NC_021160.1	Ca_kabuli_chr01	1982357	AA	CC	1940125517
SNP_P1_797_1982836	NC_021160.1	Ca_kabuli_chr01	1982836	GG	AA	1940125518
SNP_P1_798_1983299	NC_021160.1	Ca_kabuli_chr01	1983299	AA	TT	1940125519
SNP_P1_799_1985461	NC_021160.1	Ca_kabuli_chr01	1985461	GG	TT	1940125520
SNP_P1_800_1985466	NC_021160.1	Ca_kabuli_chr01	1985466	AA	GG	1940125521
SNP_P1_801_1985639	NC_021160.1	Ca_kabuli_chr01	1985639	TT	CC	1940125522
SNP_P1_803_1986964	NC_021160.1	Ca_kabuli_chr01	1986964	CC	TT	1940125523
SNP_P1_804_1988193	NC_021160.1	Ca_kabuli_chr01	1988193	CC	TT	1940125524
SNP_P1_805_1988280	NC_021160.1	Ca_kabuli_chr01	1988280	CC	TT	1940125525
SNP_P1_807_1989313	NC_021160.1	Ca_kabuli_chr01	1989313	GG	CC	1940125526
SNP_P1_808_1989336	NC_021160.1	Ca_kabuli_chr01	1989336	TT	CC	1940125527
SNP_P1_809_1990478	NC_021160.1	Ca_kabuli_chr01	1990478	TT	CC	1940125528
SNP_P1_811_1990518	NC_021160.1	Ca_kabuli_chr01	1990518	TT	GG	1940125529
SNP_P1_812_1990548	NC_021160.1	Ca_kabuli_chr01	1990548	AA	CC	1940125530
SNP_P1_813_1990595	NC_021160.1	Ca_kabuli_chr01	1990595	TT	AA	1940125531
SNP_P1_815_1992284	NC_021160.1	Ca_kabuli_chr01	1992284	AA	TT	1940125532
SNP_P1_816_1992335	NC_021160.1	Ca_kabuli_chr01	1992335	CC	GG	1940125533
SNP_P1_817_1992453	NC_021160.1	Ca_kabuli_chr01	1992453	AA	TT	1940125534
SNP_P1_818_1992692	NC_021160.1	Ca_kabuli_chr01	1992692	AA	TT	1940125535
SNP_P1_819_1992720	NC_021160.1	Ca_kabuli_chr01	1992720	GG	CC	1940125536
SNP_P1_820_1992939	NC_021160.1	Ca_kabuli_chr01	1992939	TT	AA	1940125537
SNP_P1_822_1992993	NC_021160.1	Ca_kabuli_chr01	1992993	CC	AA	1940125538
SNP_P1_823_1994818	NC_021160.1	Ca_kabuli_chr01	1994818	CC	TT	1940125539
SNP_P1_824_1995190	NC_021160.1	Ca_kabuli_chr01	1995190	AA	GG	1940125540
SNP_P1_825_1995256	NC_021160.1	Ca_kabuli_chr01	1995256	TT	CC	1940125541

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_826_1995824	NC_021160.1	Ca_kabuli_chr01	1995824	GG	AA	1940125542
SNP_P1_828_1996164	NC_021160.1	Ca_kabuli_chr01	1996164	AA	GG	1940125543
SNP_P1_829_1996195	NC_021160.1	Ca_kabuli_chr01	1996195	AA	GG	1940125544
SNP_P1_830_1996204	NC_021160.1	Ca_kabuli_chr01	1996204	TT	CC	1940125545
SNP_P1_831_1996210	NC_021160.1	Ca_kabuli_chr01	1996210	GG	AA	1940125546
SNP_P1_832_1996443	NC_021160.1	Ca_kabuli_chr01	1996443	CC	TT	1940125547
SNP_P1_833_1996477	NC_021160.1	Ca_kabuli_chr01	1996477	CC	TT	1940125548
SNP_P1_834_1996789	NC_021160.1	Ca_kabuli_chr01	1996789	AA	GG	1940125549
SNP_P1_835_1996833	NC_021160.1	Ca_kabuli_chr01	1996833	CC	TT	1940125550
SNP_P1_836_1997403	NC_021160.1	Ca_kabuli_chr01	1997403	GG	AA	1940125551
SNP_P1_838_1999819	NC_021160.1	Ca_kabuli_chr01	1999819	TT	CC	1940125552
SNP_P1_839_2000396	NC_021160.1	Ca_kabuli_chr01	2000396	AA	GG	1940125553
SNP_P1_840_2000624	NC_021160.1	Ca_kabuli_chr01	2000624	CC	AA	1940125554
SNP_P1_841_2000708	NC_021160.1	Ca_kabuli_chr01	2000708	AA	CC	1940125555
SNP_P1_842_2000866	NC_021160.1	Ca_kabuli_chr01	2000866	TT	GG	1940125557
SNP_P1_843_2000875	NC_021160.1	Ca_kabuli_chr01	2000875	AA	GG	1940125558
SNP_P1_844_2000910	NC_021160.1	Ca_kabuli_chr01	2000910	TT	CC	1940125559
SNP_P1_845_2001023	NC_021160.1	Ca_kabuli_chr01	2001023	TT	AA	1940125560
SNP_P1_847_2001524	NC_021160.1	Ca_kabuli_chr01	2001524	GG	AA	1940125561
SNP_P1_848_2001534	NC_021160.1	Ca_kabuli_chr01	2001534	AA	GG	1940125562
SNP_P1_849_2001574	NC_021160.1	Ca_kabuli_chr01	2001574	GG	TT	1940125563
SNP_P1_850_2001575	NC_021160.1	Ca_kabuli_chr01	2001575	GG	AA	1940125564
SNP_P1_852_2001600	NC_021160.1	Ca_kabuli_chr01	2001600	TT	CC	1940125565
SNP_P1_853_2003480	NC_021160.1	Ca_kabuli_chr01	2003480	CC	TT	1940125566
SNP_P1_854_2003578	NC_021160.1	Ca_kabuli_chr01	2003578	AA	CC	1940125567
SNP_P1_855_2003585	NC_021160.1	Ca_kabuli_chr01	2003585	TT	CC	1940125568
SNP_P1_856_2003586	NC_021160.1	Ca_kabuli_chr01	2003586	TT	GG	1940125569
SNP_P1_857_2003594	NC_021160.1	Ca_kabuli_chr01	2003594	CC	AA	1940125570
SNP_P1_858_2004925	NC_021160.1	Ca_kabuli_chr01	2004925	CC	TT	1940125571
SNP_P1_860_2006648	NC_021160.1	Ca_kabuli_chr01	2006648	CC	TT	1940125572
SNP_P1_861_2006658	NC_021160.1	Ca_kabuli_chr01	2006658	AA	GG	1940125573
SNP_P1_862_2006857	NC_021160.1	Ca_kabuli_chr01	2006857	TT	CC	1940125574
SNP_P1_863_2006894	NC_021160.1	Ca_kabuli_chr01	2006894	CC	AA	1940125575
SNP_P1_864_2006913	NC_021160.1	Ca_kabuli_chr01	2006913	AA	GG	1940125576
SNP_P1_865_2006925	NC_021160.1	Ca_kabuli_chr01	2006925	CC	TT	1940125577
SNP_P1_866_2006938	NC_021160.1	Ca_kabuli_chr01	2006938	AA	CC	1940125578
SNP_P1_867_2006984	NC_021160.1	Ca_kabuli_chr01	2006984	TT	CC	1940125579
SNP_P1_868_2007162	NC_021160.1	Ca_kabuli_chr01	2007162	GG	AA	1940125580
SNP_P1_869_2007163	NC_021160.1	Ca_kabuli_chr01	2007163	TT	CC	1940125581
SNP_P1_870_2007165	NC_021160.1	Ca_kabuli_chr01	2007165	GG	AA	1940125582
SNP_P1_872_2007772	NC_021160.1	Ca_kabuli_chr01	2007772	TT	CC	1940125583
SNP_P1_873_2007791	NC_021160.1	Ca_kabuli_chr01	2007791	AA	GG	1940125584

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_874_2007826	NC_021160.1	Ca_kabuli_chr01	2007826	TT	CC	1940125585
SNP_P1_876_2008916	NC_021160.1	Ca_kabuli_chr01	2008916	TT	AA	1940125586
SNP_P1_877_2011348	NC_021160.1	Ca_kabuli_chr01	2011348	TT	CC	1940125587
SNP_P1_879_2011818	NC_021160.1	Ca_kabuli_chr01	2011818	GG	TT	1940125588
SNP_P1_880_2011968	NC_021160.1	Ca_kabuli_chr01	2011968	AA	GG	1940125589
SNP_P1_881_2012287	NC_021160.1	Ca_kabuli_chr01	2012287	GG	AA	1940125590
SNP_P1_882_2012418	NC_021160.1	Ca_kabuli_chr01	2012418	CC	TT	1940125591
SNP_P1_883_2012472	NC_021160.1	Ca_kabuli_chr01	2012472	AA	TT	1940125592
SNP_P1_884_2012740	NC_021160.1	Ca_kabuli_chr01	2012740	CC	GG	1940125593
SNP_P1_886_2015657	NC_021160.1	Ca_kabuli_chr01	2015657	GG	AA	1940125594
SNP_P1_887_2015884	NC_021160.1	Ca_kabuli_chr01	2015884	AA	CC	1940125595
SNP_P1_888_2016493	NC_021160.1	Ca_kabuli_chr01	2016493	AA	GG	1940125596
SNP_P1_889_2018189	NC_021160.1	Ca_kabuli_chr01	2018189	GG	AA	1940125597
SNP_P1_890_2020005	NC_021160.1	Ca_kabuli_chr01	2020005	AA	GG	1940125598
SNP_P1_891_2021126	NC_021160.1	Ca_kabuli_chr01	2021126	TT	CC	1940125599
SNP_P1_892_2021138	NC_021160.1	Ca_kabuli_chr01	2021138	TT	CC	1940125601
SNP_P1_893_2021141	NC_021160.1	Ca_kabuli_chr01	2021141	AA	CC	1940125602
SNP_P1_894_2023314	NC_021160.1	Ca_kabuli_chr01	2023314	TT	CC	1940125603
SNP_P1_895_2023328	NC_021160.1	Ca_kabuli_chr01	2023328	TT	CC	1940125604
SNP_P1_896_2023780	NC_021160.1	Ca_kabuli_chr01	2023780	CC	GG	1940125605
SNP_P1_897_2023811	NC_021160.1	Ca_kabuli_chr01	2023811	GG	CC	1940125606
SNP_P1_898_2023868	NC_021160.1	Ca_kabuli_chr01	2023868	GG	TT	1940125607
SNP_P1_900_2023913	NC_021160.1	Ca_kabuli_chr01	2023913	TT	GG	1940125608
SNP_P1_901_2023927	NC_021160.1	Ca_kabuli_chr01	2023927	TT	GG	1940125609
SNP_P1_902_2023933	NC_021160.1	Ca_kabuli_chr01	2023933	GG	AA	1940125610
SNP_P1_903_2024076	NC_021160.1	Ca_kabuli_chr01	2024076	AA	GG	1940125611
SNP_P1_904_2024315	NC_021160.1	Ca_kabuli_chr01	2024315	TT	CC	1940125612
SNP_P1_905_2024318	NC_021160.1	Ca_kabuli_chr01	2024318	GG	AA	1940125613
SNP_P1_906_2024591	NC_021160.1	Ca_kabuli_chr01	2024591	CC	TT	1940125614
SNP_P1_907_2024608	NC_021160.1	Ca_kabuli_chr01	2024608	GG	AA	1940125615
SNP_P1_908_2024650	NC_021160.1	Ca_kabuli_chr01	2024650	GG	AA	1940125616
SNP_P1_909_2024651	NC_021160.1	Ca_kabuli_chr01	2024651	TT	AA	1940125617
SNP_P1_910_2024779	NC_021160.1	Ca_kabuli_chr01	2024779	GG	AA	1940125618
SNP_P1_911_2024785	NC_021160.1	Ca_kabuli_chr01	2024785	CC	TT	1940125619
SNP_P1_912_2024786	NC_021160.1	Ca_kabuli_chr01	2024786	GG	AA	1940125620
SNP_P1_913_2024789	NC_021160.1	Ca_kabuli_chr01	2024789	GG	AA	1940125621
SNP_P1_914_2024799	NC_021160.1	Ca_kabuli_chr01	2024799	TT	CC	1940125622
SNP_P1_915_2024842	NC_021160.1	Ca_kabuli_chr01	2024842	GG	AA	1940125623
SNP_P1_916_2028744	NC_021160.1	Ca_kabuli_chr01	2028744	CC	GG	1940125624
SNP_P1_917_2028825	NC_021160.1	Ca_kabuli_chr01	2028825	AA	TT	1940125625
SNP_P1_918_2028884	NC_021160.1	Ca_kabuli_chr01	2028884	CC	TT	1940125626
SNP_P1_919_2028895	NC_021160.1	Ca_kabuli_chr01	2028895	AA	CC	1940125627

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_922_2042480	NC_021160.1	Ca_kabuli_chr01	2042480	GG	AA	1940125629
SNP_P1_923_2042697	NC_021160.1	Ca_kabuli_chr01	2042697	TT	AA	1940125630
SNP_P1_924_2042810	NC_021160.1	Ca_kabuli_chr01	2042810	CC	TT	1940125631
SNP_P1_925_2043045	NC_021160.1	Ca_kabuli_chr01	2043045	CC	TT	1940125632
SNP_P1_926_2043455	NC_021160.1	Ca_kabuli_chr01	2043455	AA	TT	1940125633
SNP_P1_927_2043652	NC_021160.1	Ca_kabuli_chr01	2043652	CC	TT	1940125634
SNP_P1_928_2043671	NC_021160.1	Ca_kabuli_chr01	2043671	CC	GG	1940125635
SNP_P1_929_2043690	NC_021160.1	Ca_kabuli_chr01	2043690	AA	GG	1940125636
SNP_P1_930_2043781	NC_021160.1	Ca_kabuli_chr01	2043781	AA	CC	1940125637
SNP_P1_931_2043818	NC_021160.1	Ca_kabuli_chr01	2043818	TT	AA	1940125639
SNP_P1_932_2045460	NC_021160.1	Ca_kabuli_chr01	2045460	AA	GG	1940125640
SNP_P1_933_2049709	NC_021160.1	Ca_kabuli_chr01	2049709	TT	AA	1940125641
SNP_P1_934_2049729	NC_021160.1	Ca_kabuli_chr01	2049729	GG	AA	1940125642
SNP_P1_935_2049763	NC_021160.1	Ca_kabuli_chr01	2049763	CC	TT	1940125643
SNP_P1_936_2049766	NC_021160.1	Ca_kabuli_chr01	2049766	AA	CC	1940125644
SNP_P1_937_2049767	NC_021160.1	Ca_kabuli_chr01	2049767	TT	CC	1940125645
SNP_P1_939_2049887	NC_021160.1	Ca_kabuli_chr01	2049887	AA	TT	1940125646
SNP_P1_940_2049927	NC_021160.1	Ca_kabuli_chr01	2049927	CC	TT	1940125647
SNP_P1_941_2050835	NC_021160.1	Ca_kabuli_chr01	2050835	GG	TT	1940125648
SNP_P1_942_2054795	NC_021160.1	Ca_kabuli_chr01	2054795	TT	GG	1940125649
SNP_P1_943_2054811	NC_021160.1	Ca_kabuli_chr01	2054811	CC	TT	1940125650
SNP_P1_944_2054859	NC_021160.1	Ca_kabuli_chr01	2054859	TT	GG	1940125651
SNP_P1_945_2054871	NC_021160.1	Ca_kabuli_chr01	2054871	TT	CC	1940125652
SNP_P1_946_2055311	NC_021160.1	Ca_kabuli_chr01	2055311	GG	AA	1940125653
SNP_P1_947_2055316	NC_021160.1	Ca_kabuli_chr01	2055316	CC	TT	1940125654
SNP_P1_948_2055318	NC_021160.1	Ca_kabuli_chr01	2055318	GG	AA	1940125655
SNP_P1_949_2055343	NC_021160.1	Ca_kabuli_chr01	2055343	TT	CC	1940125656
SNP_P1_950_2055389	NC_021160.1	Ca_kabuli_chr01	2055389	CC	TT	1940125657
SNP_P1_951_2055531	NC_021160.1	Ca_kabuli_chr01	2055531	AA	GG	1940125658
SNP_P1_952_2055686	NC_021160.1	Ca_kabuli_chr01	2055686	AA	GG	1940125659
SNP_P1_953_2057389	NC_021160.1	Ca_kabuli_chr01	2057389	CC	TT	1940125660
SNP_P1_954_2057430	NC_021160.1	Ca_kabuli_chr01	2057430	CC	TT	1940125661
SNP_P1_957_2058135	NC_021160.1	Ca_kabuli_chr01	2058135	GG	AA	1940125662
SNP_P1_958_2058155	NC_021160.1	Ca_kabuli_chr01	2058155	CC	TT	1940125663
SNP_P1_959_2058263	NC_021160.1	Ca_kabuli_chr01	2058263	AA	GG	1940125664
SNP_P1_960_2058271	NC_021160.1	Ca_kabuli_chr01	2058271	GG	AA	1940125665
SNP_P1_961_2058506	NC_021160.1	Ca_kabuli_chr01	2058506	TT	AA	1940125666
SNP_P1_962_2058526	NC_021160.1	Ca_kabuli_chr01	2058526	GG	AA	1940125667
SNP_P1_963_2058541	NC_021160.1	Ca_kabuli_chr01	2058541	GG	AA	1940125668
SNP_P1_964_2058988	NC_021160.1	Ca_kabuli_chr01	2058988	AA	GG	1940125669
SNP_P1_965_2059101	NC_021160.1	Ca_kabuli_chr01	2059101	GG	AA	1940125670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_966_2059365	NC_021160.1	Ca_kabuli_chr01	2059365	AA	GG	1940125671
SNP_P1_967_2065533	NC_021160.1	Ca_kabuli_chr01	2065533	CC	TT	1940125672
SNP_P1_968_2065960	NC_021160.1	Ca_kabuli_chr01	2065960	AA	GG	1940125673
SNP_P1_969_2066002	NC_021160.1	Ca_kabuli_chr01	2066002	TT	AA	1940125674
SNP_P1_970_2066014	NC_021160.1	Ca_kabuli_chr01	2066014	CC	TT	1940125675
SNP_P1_971_2066214	NC_021160.1	Ca_kabuli_chr01	2066214	AA	GG	1940125676
SNP_P1_972_2066451	NC_021160.1	Ca_kabuli_chr01	2066451	AA	GG	1940125677
SNP_P1_973_2067378	NC_021160.1	Ca_kabuli_chr01	2067378	GG	TT	1940125678
SNP_P1_974_2067424	NC_021160.1	Ca_kabuli_chr01	2067424	CC	AA	1940125679
SNP_P1_976_2071879	NC_021160.1	Ca_kabuli_chr01	2071879	CC	TT	1940125680
SNP_P1_977_2073955	NC_021160.1	Ca_kabuli_chr01	2073955	AA	GG	1940125681
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SNP_P1_980_2081036	NC_021160.1	Ca_kabuli_chr01	2081036	CC	TT	1940125684
SNP_P1_981_2081050	NC_021160.1	Ca_kabuli_chr01	2081050	AA	CC	1940125685
SNP_P1_982_2081607	NC_021160.1	Ca_kabuli_chr01	2081607	AA	GG	1940125686
SNP_P1_983_2081797	NC_021160.1	Ca_kabuli_chr01	2081797	TT	CC	1940125687
SNP_P1_984_2081846	NC_021160.1	Ca_kabuli_chr01	2081846	CC	AA	1940125688
SNP_P1_985_2082707	NC_021160.1	Ca_kabuli_chr01	2082707	GG	AA	1940125689
SNP_P1_986_2082760	NC_021160.1	Ca_kabuli_chr01	2082760	GG	CC	1940125690
SNP_P1_987_2083416	NC_021160.1	Ca_kabuli_chr01	2083416	AA	GG	1940125691
SNP_P1_988_2085300	NC_021160.1	Ca_kabuli_chr01	2085300	AA	GG	1940125692
SNP_P1_989_2085321	NC_021160.1	Ca_kabuli_chr01	2085321	CC	AA	1940125693
SNP_P1_990_2085395	NC_021160.1	Ca_kabuli_chr01	2085395	GG	AA	1940125694
SNP_P1_991_2085547	NC_021160.1	Ca_kabuli_chr01	2085547	TT	CC	1940125695
SNP_P1_992_2085573	NC_021160.1	Ca_kabuli_chr01	2085573	TT	GG	1940125696
SNP_P1_993_2085606	NC_021160.1	Ca_kabuli_chr01	2085606	TT	CC	1940125697
SNP_P1_995_2085661	NC_021160.1	Ca_kabuli_chr01	2085661	CC	TT	1940125698
SNP_P1_996_2085688	NC_021160.1	Ca_kabuli_chr01	2085688	GG	AA	1940125699
SNP_P1_997_2085820	NC_021160.1	Ca_kabuli_chr01	2085820	TT	CC	1940125700
SNP_P1_998_2085839	NC_021160.1	Ca_kabuli_chr01	2085839	GG	AA	1940125701
SNP_P1_999_2085937	NC_021160.1	Ca_kabuli_chr01	2085937	AA	GG	1940125702
SNP_P1_1000_2085963	NC_021160.1	Ca_kabuli_chr01	2085963	GG	TT	1940125703
SNP_P1_1001_2088172	NC_021160.1	Ca_kabuli_chr01	2088172	TT	AA	1940125704
SNP_P1_1004_2088436	NC_021160.1	Ca_kabuli_chr01	2088436	TT	CC	1940125705
SNP_P1_1006_2088933	NC_021160.1	Ca_kabuli_chr01	2088933	AA	TT	1940125706
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SNP_P1_1009_2089940	NC_021160.1	Ca_kabuli_chr01	2089940	CC	TT	1940125708
SNP_P1_1010_2089965	NC_021160.1	Ca_kabuli_chr01	2089965	GG	CC	1940125709
SNP_P1_1011_2089969	NC_021160.1	Ca_kabuli_chr01	2089969	AA	GG	1940125710
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SNP_P1_1013_2095801	NC_021160.1	Ca_kabuli_chr01	2095801	GG	TT	1940125712
SNP_P1_1014_2096037	NC_021160.1	Ca_kabuli_chr01	2096037	AA	GG	1940125713

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_1015_2096045	NC_021160.1	Ca_kabuli_chr01	2096045	TT	CC	1940125714
SNP_P1_1016_2096073	NC_021160.1	Ca_kabuli_chr01	2096073	TT	GG	1940125715
SNP_P1_1017_2096101	NC_021160.1	Ca_kabuli_chr01	2096101	GG	AA	1940125716
SNP_P1_1018_2096102	NC_021160.1	Ca_kabuli_chr01	2096102	AA	GG	1940125717
SNP_P1_1019_2096158	NC_021160.1	Ca_kabuli_chr01	2096158	TT	GG	1940125718
SNP_P1_1020_2096827	NC_021160.1	Ca_kabuli_chr01	2096827	CC	TT	1940125719
SNP_P1_1021_2097165	NC_021160.1	Ca_kabuli_chr01	2097165	AA	TT	1940125720
SNP_P1_1022_2100735	NC_021160.1	Ca_kabuli_chr01	2100735	TT	CC	1940125721
SNP_P1_1023_2101138	NC_021160.1	Ca_kabuli_chr01	2101138	TT	CC	1940125722
SNP_P1_1024_2101143	NC_021160.1	Ca_kabuli_chr01	2101143	TT	CC	1940125723
SNP_P1_1025_2101156	NC_021160.1	Ca_kabuli_chr01	2101156	TT	AA	1940125724
SNP_P1_1026_2101588	NC_021160.1	Ca_kabuli_chr01	2101588	AA	GG	1940125725
SNP_P1_1027_2103930	NC_021160.1	Ca_kabuli_chr01	2103930	CC	AA	1940125726
SNP_P1_1029_2108928	NC_021160.1	Ca_kabuli_chr01	2108928	TT	AA	1940125727
SNP_P1_1030_2109008	NC_021160.1	Ca_kabuli_chr01	2109008	AA	GG	1940125728
SNP_P1_1031_2109142	NC_021160.1	Ca_kabuli_chr01	2109142	TT	CC	1940125729
SNP_P1_1032_2113196	NC_021160.1	Ca_kabuli_chr01	2113196	TT	AA	1940125730
SNP_P1_1033_2113204	NC_021160.1	Ca_kabuli_chr01	2113204	AA	GG	1940125731
SNP_P1_1034_2113229	NC_021160.1	Ca_kabuli_chr01	2113229	AA	GG	1940125732
SNP_P1_1035_2113546	NC_021160.1	Ca_kabuli_chr01	2113546	GG	TT	1940125733
SNP_P1_1036_2114162	NC_021160.1	Ca_kabuli_chr01	2114162	TT	CC	1940125734
SNP_P1_1037_2114881	NC_021160.1	Ca_kabuli_chr01	2114881	AA	GG	1940125735
SNP_P1_1038_2116449	NC_021160.1	Ca_kabuli_chr01	2116449	AA	GG	1940125736
SNP_P1_1039_2116461	NC_021160.1	Ca_kabuli_chr01	2116461	GG	AA	1940125737
SNP_P1_1041_2117916	NC_021160.1	Ca_kabuli_chr01	2117916	AA	TT	1940125739
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SNP_P1_1043_2118440	NC_021160.1	Ca_kabuli_chr01	2118440	TT	AA	1940125741
SNP_P1_1045_2118887	NC_021160.1	Ca_kabuli_chr01	2118887	TT	GG	1940125742
SNP_P1_1046_2118933	NC_021160.1	Ca_kabuli_chr01	2118933	TT	AA	1940125743
SNP_P1_1047_2119475	NC_021160.1	Ca_kabuli_chr01	2119475	TT	CC	1940125744
SNP_P1_1048_2119506	NC_021160.1	Ca_kabuli_chr01	2119506	GG	AA	1940125745
SNP_P1_1049_2119517	NC_021160.1	Ca_kabuli_chr01	2119517	AA	GG	1940125746
SNP_P1_1050_2119722	NC_021160.1	Ca_kabuli_chr01	2119722	GG	TT	1940125747
SNP_P1_1051_2119724	NC_021160.1	Ca_kabuli_chr01	2119724	CC	TT	1940125748
SNP_P1_1052_2119973	NC_021160.1	Ca_kabuli_chr01	2119973	GG	AA	1940125749
SNP_P1_1053_2119989	NC_021160.1	Ca_kabuli_chr01	2119989	TT	AA	1940125752
SNP_P1_1054_2120232	NC_021160.1	Ca_kabuli_chr01	2120232	AA	GG	1940125753
SNP_P1_1055_2120241	NC_021160.1	Ca_kabuli_chr01	2120241	TT	CC	1940125754
SNP_P1_1056_2120345	NC_021160.1	Ca_kabuli_chr01	2120345	AA	TT	1940125755
SNP_P1_1057_2120693	NC_021160.1	Ca_kabuli_chr01	2120693	TT	CC	1940125756
SNP_P1_1058_2121022	NC_021160.1	Ca_kabuli_chr01	2121022	CC	AA	1940125757
SNP_P1_1059_2121099	NC_021160.1	Ca_kabuli_chr01	2121099	CC	TT	1940125758

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1061_2121211	NC_021160.1	Ca_kabuli_chr01	2121211	GG	AA	1940125760
SNP_P1_1062_2121216	NC_021160.1	Ca_kabuli_chr01	2121216	TT	GG	1940125761
SNP_P1_1063_2121236	NC_021160.1	Ca_kabuli_chr01	2121236	TT	CC	1940125762
SNP_P1_1064_2121237	NC_021160.1	Ca_kabuli_chr01	2121237	TT	GG	1940125763
SNP_P1_1065_2121258	NC_021160.1	Ca_kabuli_chr01	2121258	AA	TT	1940125764
SNP_P1_1066_2121319	NC_021160.1	Ca_kabuli_chr01	2121319	GG	AA	1940125765
SNP_P1_1067_2121359	NC_021160.1	Ca_kabuli_chr01	2121359	CC	TT	1940125766
SNP_P1_1068_2124581	NC_021160.1	Ca_kabuli_chr01	2124581	AA	GG	1940125767
SNP_P1_1069_2131027	NC_021160.1	Ca_kabuli_chr01	2131027	AA	TT	1940125768
SNP_P1_1070_2131028	NC_021160.1	Ca_kabuli_chr01	2131028	AA	TT	1940125769
SNP_P1_1071_2131222	NC_021160.1	Ca_kabuli_chr01	2131222	TT	AA	1940125770
SNP_P1_1072_2131319	NC_021160.1	Ca_kabuli_chr01	2131319	CC	GG	1940125771
SNP_P1_1074_2132052	NC_021160.1	Ca_kabuli_chr01	2132052	CC	AA	1940125772
SNP_P1_1075_2132110	NC_021160.1	Ca_kabuli_chr01	2132110	TT	CC	1940125773
SNP_P1_1076_2132115	NC_021160.1	Ca_kabuli_chr01	2132115	GG	TT	1940125774
SNP_P1_1077_2132123	NC_021160.1	Ca_kabuli_chr01	2132123	TT	GG	1940125775
SNP_P1_1078_2132153	NC_021160.1	Ca_kabuli_chr01	2132153	CC	TT	1940125776
SNP_P1_1079_2132726	NC_021160.1	Ca_kabuli_chr01	2132726	AA	GG	1940125777
SNP_P1_1080_2133026	NC_021160.1	Ca_kabuli_chr01	2133026	AA	GG	1940125778
SNP_P1_1081_2133055	NC_021160.1	Ca_kabuli_chr01	2133055	GG	AA	1940125779
SNP_P1_1082_2133657	NC_021160.1	Ca_kabuli_chr01	2133657	TT	CC	1940125780
SNP_P1_1083_2133703	NC_021160.1	Ca_kabuli_chr01	2133703	TT	CC	1940125781
SNP_P1_1084_2134733	NC_021160.1	Ca_kabuli_chr01	2134733	GG	TT	1940125782
SNP_P1_1085_2134817	NC_021160.1	Ca_kabuli_chr01	2134817	AA	TT	1940125783
SNP_P1_1086_2134872	NC_021160.1	Ca_kabuli_chr01	2134872	TT	CC	1940125784
SNP_P1_1087_2134876	NC_021160.1	Ca_kabuli_chr01	2134876	GG	TT	1940125785
SNP_P1_1088_2134916	NC_021160.1	Ca_kabuli_chr01	2134916	TT	AA	1940125786
SNP_P1_1089_2134919	NC_021160.1	Ca_kabuli_chr01	2134919	AA	TT	1940125787
SNP_P1_1090_2134921	NC_021160.1	Ca_kabuli_chr01	2134921	CC	TT	1940125788
SNP_P1_1091_2134941	NC_021160.1	Ca_kabuli_chr01	2134941	CC	AA	1940125789
SNP_P1_1092_2134961	NC_021160.1	Ca_kabuli_chr01	2134961	GG	AA	1940125790
SNP_P1_1093_2134993	NC_021160.1	Ca_kabuli_chr01	2134993	GG	AA	1940125791
SNP_P1_1094_2135080	NC_021160.1	Ca_kabuli_chr01	2135080	CC	AA	1940125792
SNP_P1_1095_2135082	NC_021160.1	Ca_kabuli_chr01	2135082	GG	CC	1940125794
SNP_P1_1097_2135414	NC_021160.1	Ca_kabuli_chr01	2135414	CC	GG	1940125795
SNP_P1_1099_2139060	NC_021160.1	Ca_kabuli_chr01	2139060	CC	AA	1940125796
SNP_P1_1100_2139063	NC_021160.1	Ca_kabuli_chr01	2139063	CC	TT	1940125797
SNP_P1_1102_2139293	NC_021160.1	Ca_kabuli_chr01	2139293	CC	GG	1940125798
SNP_P1_1103_2140385	NC_021160.1	Ca_kabuli_chr01	2140385	AA	GG	1940125799
SNP_P1_1104_2140411	NC_021160.1	Ca_kabuli_chr01	2140411	AA	GG	1940125800
SNP_P1_1105_2140412	NC_021160.1	Ca_kabuli_chr01	2140412	CC	TT	1940125801

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1108_2199559	NC_021160.1	Ca_kabuli_chr01	2199559	TT	CC	1940125803
SNP_P1_1110_2225920	NC_021160.1	Ca_kabuli_chr01	2225920	TT	AA	1940125804
SNP_P1_1112_2263764	NC_021160.1	Ca_kabuli_chr01	2263764	CC	TT	1940125805
SNP_P1_1113_2264347	NC_021160.1	Ca_kabuli_chr01	2264347	GG	AA	1940125806
SNP_P1_1114_2284313	NC_021160.1	Ca_kabuli_chr01	2284313	TT	AA	1940125807
SNP_P1_1117_2332156	NC_021160.1	Ca_kabuli_chr01	2332156	CC	GG	1940125808
SNP_P1_1119_2382736	NC_021160.1	Ca_kabuli_chr01	2382736	GG	CC	1940125809
SNP_P1_1120_2383603	NC_021160.1	Ca_kabuli_chr01	2383603	GG	AA	1940125810
SNP_P1_1121_2466413	NC_021160.1	Ca_kabuli_chr01	2466413	CC	TT	1940125811
SNP_P1_1122_2484031	NC_021160.1	Ca_kabuli_chr01	2484031	GG	AA	1940125812
SNP_P1_1123_2492728	NC_021160.1	Ca_kabuli_chr01	2492728	TT	AA	1940125813
SNP_P1_1126_2529522	NC_021160.1	Ca_kabuli_chr01	2529522	AA	GG	1940125814
SNP_P1_1127_2555792	NC_021160.1	Ca_kabuli_chr01	2555792	TT	CC	1940125815
SNP_P1_1128_2560421	NC_021160.1	Ca_kabuli_chr01	2560421	GG	CC	1940125816
SNP_P1_1129_2561227	NC_021160.1	Ca_kabuli_chr01	2561227	AA	CC	1940125817
SNP_P1_1130_2572677	NC_021160.1	Ca_kabuli_chr01	2572677	AA	TT	1940125818
SNP_P1_1131_2585248	NC_021160.1	Ca_kabuli_chr01	2585248	GG	AA	1940125819
SNP_P1_1132_2602735	NC_021160.1	Ca_kabuli_chr01	2602735	GG	AA	1940125820
SNP_P1_1133_2614091	NC_021160.1	Ca_kabuli_chr01	2614091	AA	TT	1940125821
SNP_P1_1134_2615937	NC_021160.1	Ca_kabuli_chr01	2615937	GG	AA	1940125822
SNP_P1_1135_2618016	NC_021160.1	Ca_kabuli_chr01	2618016	GG	AA	1940125823
SNP_P1_1136_2622073	NC_021160.1	Ca_kabuli_chr01	2622073	GG	AA	1940125824
SNP_P1_1137_2637174	NC_021160.1	Ca_kabuli_chr01	2637174	AA	GG	1940125825
SNP_P1_1138_2637176	NC_021160.1	Ca_kabuli_chr01	2637176	TT	CC	1940125826
SNP_P1_1139_2647314	NC_021160.1	Ca_kabuli_chr01	2647314	GG	AA	1940125827
SNP_P1_1140_2650443	NC_021160.1	Ca_kabuli_chr01	2650443	GG	AA	1940125828
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SNP_P1_1143_2651244	NC_021160.1	Ca_kabuli_chr01	2651244	TT	CC	1940125831
SNP_P1_1144_2651437	NC_021160.1	Ca_kabuli_chr01	2651437	GG	AA	1940125832
SNP_P1_1145_2651487	NC_021160.1	Ca_kabuli_chr01	2651487	TT	CC	1940125833
SNP_P1_1146_2651532	NC_021160.1	Ca_kabuli_chr01	2651532	TT	AA	1940125834
SNP_P1_1147_2651537	NC_021160.1	Ca_kabuli_chr01	2651537	CC	TT	1940125835
SNP_P1_1148_2651565	NC_021160.1	Ca_kabuli_chr01	2651565	AA	TT	1940125836
SNP_P1_1149_2652437	NC_021160.1	Ca_kabuli_chr01	2652437	AA	GG	1940125837
SNP_P1_1150_2652448	NC_021160.1	Ca_kabuli_chr01	2652448	AA	GG	1940125838
SNP_P1_1151_2652454	NC_021160.1	Ca_kabuli_chr01	2652454	CC	TT	1940125839
SNP_P1_1152_2652580	NC_021160.1	Ca_kabuli_chr01	2652580	CC	GG	1940125840
SNP_P1_1153_2652583	NC_021160.1	Ca_kabuli_chr01	2652583	AA	TT	1940125841
SNP_P1_1154_2652810	NC_021160.1	Ca_kabuli_chr01	2652810	GG	AA	1940125842
SNP_P1_1155_2652819	NC_021160.1	Ca_kabuli_chr01	2652819	TT	GG	1940125843

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1158_2653866	NC_021160.1	Ca_kabuli_chr01	2653866	CC	TT	1940125847
SNP_P1_1159_2653902	NC_021160.1	Ca_kabuli_chr01	2653902	TT	GG	1940125848
SNP_P1_1160_2655055	NC_021160.1	Ca_kabuli_chr01	2655055	AA	CC	1940125849
SNP_P1_1161_2655167	NC_021160.1	Ca_kabuli_chr01	2655167	AA	GG	1940125850
SNP_P1_1162_2655520	NC_021160.1	Ca_kabuli_chr01	2655520	TT	CC	1940125851
SNP_P1_1164_2656519	NC_021160.1	Ca_kabuli_chr01	2656519	TT	CC	1940125852
SNP_P1_1166_2658991	NC_021160.1	Ca_kabuli_chr01	2658991	CC	TT	1940125853
SNP_P1_1168_2659734	NC_021160.1	Ca_kabuli_chr01	2659734	GG	CC	1940125854
SNP_P1_1169_2660058	NC_021160.1	Ca_kabuli_chr01	2660058	AA	GG	1940125855
SNP_P1_1170_2660070	NC_021160.1	Ca_kabuli_chr01	2660070	TT	CC	1940125856
SNP_P1_1172_2660979	NC_021160.1	Ca_kabuli_chr01	2660979	AA	CC	1940125857
SNP_P1_1173_2660992	NC_021160.1	Ca_kabuli_chr01	2660992	GG	AA	1940125858
SNP_P1_1174_2661002	NC_021160.1	Ca_kabuli_chr01	2661002	TT	CC	1940125859
SNP_P1_1175_2661014	NC_021160.1	Ca_kabuli_chr01	2661014	GG	TT	1940125860
SNP_P1_1176_2661315	NC_021160.1	Ca_kabuli_chr01	2661315	CC	TT	1940125861
SNP_P1_1177_2661916	NC_021160.1	Ca_kabuli_chr01	2661916	GG	AA	1940125862
SNP_P1_1178_2662108	NC_021160.1	Ca_kabuli_chr01	2662108	TT	CC	1940125863
SNP_P1_1179_2662109	NC_021160.1	Ca_kabuli_chr01	2662109	CC	TT	1940125864
SNP_P1_1181_2664133	NC_021160.1	Ca_kabuli_chr01	2664133	TT	CC	1940125865
SNP_P1_1182_2664138	NC_021160.1	Ca_kabuli_chr01	2664138	TT	AA	1940125866
SNP_P1_1183_2664205	NC_021160.1	Ca_kabuli_chr01	2664205	CC	TT	1940125867
SNP_P1_1184_2664439	NC_021160.1	Ca_kabuli_chr01	2664439	GG	AA	1940125868
SNP_P1_1185_2664444	NC_021160.1	Ca_kabuli_chr01	2664444	CC	TT	1940125869
SNP_P1_1186_2664460	NC_021160.1	Ca_kabuli_chr01	2664460	TT	CC	1940125870
SNP_P1_1187_2664499	NC_021160.1	Ca_kabuli_chr01	2664499	GG	AA	1940125871
SNP_P1_1189_2664674	NC_021160.1	Ca_kabuli_chr01	2664674	TT	AA	1940125872
SNP_P1_1190_2664726	NC_021160.1	Ca_kabuli_chr01	2664726	CC	AA	1940125873
SNP_P1_1191_2664899	NC_021160.1	Ca_kabuli_chr01	2664899	AA	CC	1940125874
SNP_P1_1192_2664901	NC_021160.1	Ca_kabuli_chr01	2664901	GG	AA	1940125875
SNP_P1_1193_2665369	NC_021160.1	Ca_kabuli_chr01	2665369	GG	AA	1940125876
SNP_P1_1194_2665370	NC_021160.1	Ca_kabuli_chr01	2665370	AA	GG	1940125877
SNP_P1_1195_2665385	NC_021160.1	Ca_kabuli_chr01	2665385	TT	GG	1940125878
SNP_P1_1196_2665877	NC_021160.1	Ca_kabuli_chr01	2665877	AA	GG	1940125879
SNP_P1_1197_2666249	NC_021160.1	Ca_kabuli_chr01	2666249	TT	AA	1940125880
SNP_P1_1198_2668554	NC_021160.1	Ca_kabuli_chr01	2668554	AA	GG	1940125881
SNP_P1_1200_2671059	NC_021160.1	Ca_kabuli_chr01	2671059	CC	GG	1940125883
SNP_P1_1201_2671078	NC_021160.1	Ca_kabuli_chr01	2671078	TT	CC	1940125884
SNP_P1_1202_2672242	NC_021160.1	Ca_kabuli_chr01	2672242	CC	TT	1940125885
SNP_P1_1204_2673600	NC_021160.1	Ca_kabuli_chr01	2673600	AA	CC	1940125886
SNP_P1_1205_2673620	NC_021160.1	Ca_kabuli_chr01	2673620	TT	CC	1940125887

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1207_2673838	NC_021160.1	Ca_kabuli_chr01	2673838	GG	AA	1940125889
SNP_P1_1208_2673853	NC_021160.1	Ca_kabuli_chr01	2673853	CC	TT	1940125890
SNP_P1_1209_2673896	NC_021160.1	Ca_kabuli_chr01	2673896	GG	TT	1940125891
SNP_P1_1210_2674501	NC_021160.1	Ca_kabuli_chr01	2674501	TT	CC	1940125892
SNP_P1_1212_2674739	NC_021160.1	Ca_kabuli_chr01	2674739	TT	AA	1940125893
SNP_P1_1213_2674754	NC_021160.1	Ca_kabuli_chr01	2674754	TT	AA	1940125894
SNP_P1_1215_2676058	NC_021160.1	Ca_kabuli_chr01	2676058	GG	AA	1940125895
SNP_P1_1216_2676144	NC_021160.1	Ca_kabuli_chr01	2676144	TT	AA	1940125896
SNP_P1_1217_2676185	NC_021160.1	Ca_kabuli_chr01	2676185	CC	TT	1940125897
SNP_P1_1218_2676296	NC_021160.1	Ca_kabuli_chr01	2676296	AA	CC	1940125898
SNP_P1_1220_2679942	NC_021160.1	Ca_kabuli_chr01	2679942	AA	TT	1940125899
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SNP_P1_1223_2685464	NC_021160.1	Ca_kabuli_chr01	2685464	AA	GG	1940125901
SNP_P1_1224_2685812	NC_021160.1	Ca_kabuli_chr01	2685812	TT	AA	1940125902
SNP_P1_1225_2686303	NC_021160.1	Ca_kabuli_chr01	2686303	AA	TT	1940125903
SNP_P1_1227_2688358	NC_021160.1	Ca_kabuli_chr01	2688358	AA	TT	1940125904
SNP_P1_1228_2688554	NC_021160.1	Ca_kabuli_chr01	2688554	AA	CC	1940125905
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SNP_P1_1231_2689463	NC_021160.1	Ca_kabuli_chr01	2689463	AA	GG	1940125908
SNP_P1_1232_2689482	NC_021160.1	Ca_kabuli_chr01	2689482	AA	TT	1940125909
SNP_P1_1233_2689779	NC_021160.1	Ca_kabuli_chr01	2689779	CC	TT	1940125910
SNP_P1_1234_2690828	NC_021160.1	Ca_kabuli_chr01	2690828	GG	AA	1940125911
SNP_P1_1235_2691085	NC_021160.1	Ca_kabuli_chr01	2691085	AA	GG	1940125912
SNP_P1_1236_2691139	NC_021160.1	Ca_kabuli_chr01	2691139	GG	AA	1940125913
SNP_P1_1237_2691140	NC_021160.1	Ca_kabuli_chr01	2691140	AA	GG	1940125914
SNP_P1_1238_2691533	NC_021160.1	Ca_kabuli_chr01	2691533	TT	CC	1940125915
SNP_P1_1241_2692373	NC_021160.1	Ca_kabuli_chr01	2692373	TT	CC	1940125916
SNP_P1_1242_2692408	NC_021160.1	Ca_kabuli_chr01	2692408	AA	GG	1940125917
SNP_P1_1243_2692422	NC_021160.1	Ca_kabuli_chr01	2692422	TT	CC	1940125918
SNP_P1_1244_2692638	NC_021160.1	Ca_kabuli_chr01	2692638	GG	AA	1940125919
SNP_P1_1245_2692798	NC_021160.1	Ca_kabuli_chr01	2692798	GG	AA	1940125920
SNP_P1_1246_2692886	NC_021160.1	Ca_kabuli_chr01	2692886	CC	TT	1940125921
SNP_P1_1247_2692891	NC_021160.1	Ca_kabuli_chr01	2692891	AA	GG	1940125923
SNP_P1_1248_2693145	NC_021160.1	Ca_kabuli_chr01	2693145	GG	AA	1940125924
SNP_P1_1249_2693536	NC_021160.1	Ca_kabuli_chr01	2693536	TT	CC	1940125925
SNP_P1_1250_2694190	NC_021160.1	Ca_kabuli_chr01	2694190	CC	GG	1940125926
SNP_P1_1251_2694193	NC_021160.1	Ca_kabuli_chr01	2694193	TT	CC	1940125927
SNP_P1_1252_2695057	NC_021160.1	Ca_kabuli_chr01	2695057	AA	TT	1940125928
SNP_P1_1253_2697954	NC_021160.1	Ca_kabuli_chr01	2697954	TT	CC	1940125929
SNP_P1_1254_2697961	NC_021160.1	Ca_kabuli_chr01	2697961	CC	TT	1940125930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1256_2698141	NC_021160.1	Ca_kabuli_chr01	2698141	CC	AA	1940125932
SNP_P1_1257_2699269	NC_021160.1	Ca_kabuli_chr01	2699269	TT	CC	1940125933
SNP_P1_1258_2699275	NC_021160.1	Ca_kabuli_chr01	2699275	GG	AA	1940125934
SNP_P1_1259_2699538	NC_021160.1	Ca_kabuli_chr01	2699538	GG	TT	1940125935
SNP_P1_1260_2700432	NC_021160.1	Ca_kabuli_chr01	2700432	TT	AA	1940125936
SNP_P1_1261_2700612	NC_021160.1	Ca_kabuli_chr01	2700612	GG	AA	1940125937
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SNP_P1_1263_2700632	NC_021160.1	Ca_kabuli_chr01	2700632	AA	TT	1940125939
SNP_P1_1264_2700636	NC_021160.1	Ca_kabuli_chr01	2700636	AA	CC	1940125940
SNP_P1_1265_2700638	NC_021160.1	Ca_kabuli_chr01	2700638	AA	GG	1940125941
SNP_P1_1266_2700656	NC_021160.1	Ca_kabuli_chr01	2700656	CC	TT	1940125942
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SNP_P1_1269_2701592	NC_021160.1	Ca_kabuli_chr01	2701592	CC	TT	1940125944
SNP_P1_1270_2701603	NC_021160.1	Ca_kabuli_chr01	2701603	TT	CC	1940125945
SNP_P1_1271_2701606	NC_021160.1	Ca_kabuli_chr01	2701606	CC	AA	1940125946
SNP_P1_1272_2701664	NC_021160.1	Ca_kabuli_chr01	2701664	AA	TT	1940125947
SNP_P1_1273_2701690	NC_021160.1	Ca_kabuli_chr01	2701690	AA	GG	1940125948
SNP_P1_1274_2702322	NC_021160.1	Ca_kabuli_chr01	2702322	CC	TT	1940125949
SNP_P1_1275_2702465	NC_021160.1	Ca_kabuli_chr01	2702465	AA	GG	1940125950
SNP_P1_1277_2702678	NC_021160.1	Ca_kabuli_chr01	2702678	GG	AA	1940125951
SNP_P1_1278_2703473	NC_021160.1	Ca_kabuli_chr01	2703473	TT	GG	1940125952
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SNP_P1_1281_2704474	NC_021160.1	Ca_kabuli_chr01	2704474	AA	GG	1940125954
SNP_P1_1282_2707824	NC_021160.1	Ca_kabuli_chr01	2707824	CC	GG	1940125955
SNP_P1_1284_2718359	NC_021160.1	Ca_kabuli_chr01	2718359	GG	CC	1940125956
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SNP_P1_1288_2727740	NC_021160.1	Ca_kabuli_chr01	2727740	CC	TT	1940125959
SNP_P1_1289_2727895	NC_021160.1	Ca_kabuli_chr01	2727895	TT	CC	1940125961
SNP_P1_1290_2727900	NC_021160.1	Ca_kabuli_chr01	2727900	CC	TT	1940125962
SNP_P1_1291_2727901	NC_021160.1	Ca_kabuli_chr01	2727901	CC	TT	1940125963
SNP_P1_1292_2727919	NC_021160.1	Ca_kabuli_chr01	2727919	AA	GG	1940125964
SNP_P1_1294_2728645	NC_021160.1	Ca_kabuli_chr01	2728645	GG	CC	1940125965
SNP_P1_1295_2740811	NC_021160.1	Ca_kabuli_chr01	2740811	GG	CC	1940125966
SNP_P1_1296_2744871	NC_021160.1	Ca_kabuli_chr01	2744871	AA	GG	1940125967
SNP_P1_1297_2745059	NC_021160.1	Ca_kabuli_chr01	2745059	TT	AA	1940125968
SNP_P1_1298_2745088	NC_021160.1	Ca_kabuli_chr01	2745088	AA	TT	1940125969
SNP_P1_1299_2745748	NC_021160.1	Ca_kabuli_chr01	2745748	TT	CC	1940125970
SNP_P1_1300_2745952	NC_021160.1	Ca_kabuli_chr01	2745952	AA	CC	1940125971
SNP_P1_1301_2746740	NC_021160.1	Ca_kabuli_chr01	2746740	CC	GG	1940125972
SNP_P1_1302_2746741	NC_021160.1	Ca_kabuli_chr01	2746741	GG	AA	1940125973

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1305_2761883	NC_021160.1	Ca_kabuli_chr01	2761883	TT	CC	1940125976
SNP_P1_1306_2762167	NC_021160.1	Ca_kabuli_chr01	2762167	TT	CC	1940125977
SNP_P1_1307_2762315	NC_021160.1	Ca_kabuli_chr01	2762315	CC	GG	1940125978
SNP_P1_1308_2762581	NC_021160.1	Ca_kabuli_chr01	2762581	AA	GG	1940125979
SNP_P1_1309_2762586	NC_021160.1	Ca_kabuli_chr01	2762586	GG	TT	1940125980
SNP_P1_1310_2764501	NC_021160.1	Ca_kabuli_chr01	2764501	AA	GG	1940125981
SNP_P1_1311_2764666	NC_021160.1	Ca_kabuli_chr01	2764666	AA	TT	1940125982
SNP_P1_1312_2764672	NC_021160.1	Ca_kabuli_chr01	2764672	GG	TT	1940125983
SNP_P1_1313_2764940	NC_021160.1	Ca_kabuli_chr01	2764940	AA	GG	1940125984
SNP_P1_1314_2765017	NC_021160.1	Ca_kabuli_chr01	2765017	AA	TT	1940125985
SNP_P1_1315_2765082	NC_021160.1	Ca_kabuli_chr01	2765082	TT	CC	1940125986
SNP_P1_1316_2765296	NC_021160.1	Ca_kabuli_chr01	2765296	CC	GG	1940125987
SNP_P1_1318_2765330	NC_021160.1	Ca_kabuli_chr01	2765330	GG	TT	1940125988
SNP_P1_1319_2765580	NC_021160.1	Ca_kabuli_chr01	2765580	GG	AA	1940125989
SNP_P1_1320_2765588	NC_021160.1	Ca_kabuli_chr01	2765588	GG	AA	1940125990
SNP_P1_1321_2765595	NC_021160.1	Ca_kabuli_chr01	2765595	TT	CC	1940125991
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SNP_P1_1323_2765852	NC_021160.1	Ca_kabuli_chr01	2765852	CC	TT	1940125993
SNP_P1_1324_2765862	NC_021160.1	Ca_kabuli_chr01	2765862	CC	TT	1940125994
SNP_P1_1325_2765897	NC_021160.1	Ca_kabuli_chr01	2765897	TT	GG	1940125995
SNP_P1_1328_2766610	NC_021160.1	Ca_kabuli_chr01	2766610	TT	GG	1940125996
SNP_P1_1329_2767454	NC_021160.1	Ca_kabuli_chr01	2767454	TT	CC	1940125997
SNP_P1_1330_2768985	NC_021160.1	Ca_kabuli_chr01	2768985	AA	CC	1940125998
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SNP_P1_1332_2769134	NC_021160.1	Ca_kabuli_chr01	2769134	AA	GG	1940126000
SNP_P1_1333_2769332	NC_021160.1	Ca_kabuli_chr01	2769332	AA	GG	1940126001
SNP_P1_1334_2769374	NC_021160.1	Ca_kabuli_chr01	2769374	GG	AA	1940126003
SNP_P1_1335_2769397	NC_021160.1	Ca_kabuli_chr01	2769397	CC	AA	1940126004
SNP_P1_1336_2772226	NC_021160.1	Ca_kabuli_chr01	2772226	CC	TT	1940126005
SNP_P1_1337_2772515	NC_021160.1	Ca_kabuli_chr01	2772515	GG	AA	1940126006
SNP_P1_1338_2772537	NC_021160.1	Ca_kabuli_chr01	2772537	CC	AA	1940126007
SNP_P1_1339_2772581	NC_021160.1	Ca_kabuli_chr01	2772581	AA	TT	1940126008
SNP_P1_1340_2772884	NC_021160.1	Ca_kabuli_chr01	2772884	AA	GG	1940126009
SNP_P1_1341_2772936	NC_021160.1	Ca_kabuli_chr01	2772936	GG	CC	1940126010
SNP_P1_1342_2772957	NC_021160.1	Ca_kabuli_chr01	2772957	CC	TT	1940126011
SNP_P1_1343_2774646	NC_021160.1	Ca_kabuli_chr01	2774646	AA	GG	1940126012
SNP_P1_1344_2774673	NC_021160.1	Ca_kabuli_chr01	2774673	GG	AA	1940126013
SNP_P1_1345_2775781	NC_021160.1	Ca_kabuli_chr01	2775781	TT	GG	1940126014
SNP_P1_1346_2775920	NC_021160.1	Ca_kabuli_chr01	2775920	TT	CC	1940126015
SNP_P1_1347_2776049	NC_021160.1	Ca_kabuli_chr01	2776049	GG	AA	1940126016

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1350_2776506	NC_021160.1	Ca_kabuli_chr01	2776506	TT	CC	1940126019
SNP_P1_1351_2776754	NC_021160.1	Ca_kabuli_chr01	2776754	AA	GG	1940126020
SNP_P1_1352_2777450	NC_021160.1	Ca_kabuli_chr01	2777450	TT	CC	1940126021
SNP_P1_1353_2779200	NC_021160.1	Ca_kabuli_chr01	2779200	TT	GG	1940126022
SNP_P1_1354_2779285	NC_021160.1	Ca_kabuli_chr01	2779285	AA	GG	1940126023
SNP_P1_1356_2780305	NC_021160.1	Ca_kabuli_chr01	2780305	CC	TT	1940126024
SNP_P1_1357_2780466	NC_021160.1	Ca_kabuli_chr01	2780466	CC	AA	1940126025
SNP_P1_1358_2780867	NC_021160.1	Ca_kabuli_chr01	2780867	AA	TT	1940126026
SNP_P1_1359_2786612	NC_021160.1	Ca_kabuli_chr01	2786612	CC	GG	1940126027
SNP_P1_1360_2788336	NC_021160.1	Ca_kabuli_chr01	2788336	AA	GG	1940126028
SNP_P1_1361_2788788	NC_021160.1	Ca_kabuli_chr01	2788788	CC	GG	1940126029
SNP_P1_1362_2789362	NC_021160.1	Ca_kabuli_chr01	2789362	TT	AA	1940126030
SNP_P1_1363_2789372	NC_021160.1	Ca_kabuli_chr01	2789372	AA	TT	1940126031
SNP_P1_1364_2789385	NC_021160.1	Ca_kabuli_chr01	2789385	TT	CC	1940126032
SNP_P1_1365_2789440	NC_021160.1	Ca_kabuli_chr01	2789440	CC	TT	1940126033
SNP_P1_1366_2789965	NC_021160.1	Ca_kabuli_chr01	2789965	GG	AA	1940126034
SNP_P1_1367_2790247	NC_021160.1	Ca_kabuli_chr01	2790247	CC	GG	1940126035
SNP_P1_1368_2791469	NC_021160.1	Ca_kabuli_chr01	2791469	TT	AA	1940126036
SNP_P1_1370_2791745	NC_021160.1	Ca_kabuli_chr01	2791745	GG	AA	1940126037
SNP_P1_1371_2793025	NC_021160.1	Ca_kabuli_chr01	2793025	AA	GG	1940126038
SNP_P1_1372_2793659	NC_021160.1	Ca_kabuli_chr01	2793659	TT	AA	1940126040
SNP_P1_1373_2793735	NC_021160.1	Ca_kabuli_chr01	2793735	CC	TT	1940126041
SNP_P1_1374_2795873	NC_021160.1	Ca_kabuli_chr01	2795873	CC	TT	1940126042
SNP_P1_1375_2795877	NC_021160.1	Ca_kabuli_chr01	2795877	CC	AA	1940126043
SNP_P1_1376_2795899	NC_021160.1	Ca_kabuli_chr01	2795899	AA	TT	1940126044
SNP_P1_1377_2796205	NC_021160.1	Ca_kabuli_chr01	2796205	AA	GG	1940126045
SNP_P1_1379_2797376	NC_021160.1	Ca_kabuli_chr01	2797376	CC	TT	1940126046
SNP_P1_1380_2797524	NC_021160.1	Ca_kabuli_chr01	2797524	TT	CC	1940126047
SNP_P1_1381_2797528	NC_021160.1	Ca_kabuli_chr01	2797528	GG	AA	1940126048
SNP_P1_1382_2797531	NC_021160.1	Ca_kabuli_chr01	2797531	GG	AA	1940126049
SNP_P1_1383_2797550	NC_021160.1	Ca_kabuli_chr01	2797550	AA	GG	1940126050
SNP_P1_1384_2797602	NC_021160.1	Ca_kabuli_chr01	2797602	GG	AA	1940126051
SNP_P1_1385_2797821	NC_021160.1	Ca_kabuli_chr01	2797821	CC	TT	1940126052
SNP_P1_1386_2797901	NC_021160.1	Ca_kabuli_chr01	2797901	GG	AA	1940126053
SNP_P1_1387_2798492	NC_021160.1	Ca_kabuli_chr01	2798492	CC	TT	1940126054
SNP_P1_1388_2799606	NC_021160.1	Ca_kabuli_chr01	2799606	AA	TT	1940126055
SNP_P1_1389_2799758	NC_021160.1	Ca_kabuli_chr01	2799758	GG	AA	1940126056
SNP_P1_1391_2800520	NC_021160.1	Ca_kabuli_chr01	2800520	GG	AA	1940126057
SNP_P1_1393_2801178	NC_021160.1	Ca_kabuli_chr01	2801178	GG	AA	1940126058
SNP_P1_1395_2801476	NC_021160.1	Ca_kabuli_chr01	2801476	GG	TT	1940126059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1397_2802664	NC_021160.1	Ca_kabuli_chr01	2802664	AA	GG	1940126061
SNP_P1_1398_2802706	NC_021160.1	Ca_kabuli_chr01	2802706	CC	TT	1940126062
SNP_P1_1399_2803286	NC_021160.1	Ca_kabuli_chr01	2803286	AA	GG	1940126063
SNP_P1_1400_2803410	NC_021160.1	Ca_kabuli_chr01	2803410	TT	AA	1940126064
SNP_P1_1401_2803440	NC_021160.1	Ca_kabuli_chr01	2803440	AA	GG	1940126065
SNP_P1_1402_2809078	NC_021160.1	Ca_kabuli_chr01	2809078	TT	AA	1940126066
SNP_P1_1403_2809873	NC_021160.1	Ca_kabuli_chr01	2809873	TT	CC	1940126067
SNP_P1_1404_2810064	NC_021160.1	Ca_kabuli_chr01	2810064	GG	TT	1940126068
SNP_P1_1405_2810270	NC_021160.1	Ca_kabuli_chr01	2810270	AA	TT	1940126069
SNP_P1_1406_2810271	NC_021160.1	Ca_kabuli_chr01	2810271	CC	GG	1940126070
SNP_P1_1407_2810473	NC_021160.1	Ca_kabuli_chr01	2810473	GG	AA	1940126071
SNP_P1_1408_2810476	NC_021160.1	Ca_kabuli_chr01	2810476	GG	AA	1940126072
SNP_P1_1410_2814901	NC_021160.1	Ca_kabuli_chr01	2814901	CC	AA	1940126073
SNP_P1_1411_2814918	NC_021160.1	Ca_kabuli_chr01	2814918	TT	CC	1940126074
SNP_P1_1412_2814972	NC_021160.1	Ca_kabuli_chr01	2814972	TT	CC	1940126075
SNP_P1_1413_2814994	NC_021160.1	Ca_kabuli_chr01	2814994	TT	CC	1940126076
SNP_P1_1414_2815008	NC_021160.1	Ca_kabuli_chr01	2815008	AA	TT	1940126077
SNP_P1_1415_2815010	NC_021160.1	Ca_kabuli_chr01	2815010	AA	CC	1940126078
SNP_P1_1416_2815135	NC_021160.1	Ca_kabuli_chr01	2815135	TT	CC	1940126079
SNP_P1_1417_2815211	NC_021160.1	Ca_kabuli_chr01	2815211	CC	GG	1940126080
SNP_P1_1418_2815266	NC_021160.1	Ca_kabuli_chr01	2815266	TT	AA	1940126081
SNP_P1_1419_2827743	NC_021160.1	Ca_kabuli_chr01	2827743	AA	CC	1940126082
SNP_P1_1420_2828544	NC_021160.1	Ca_kabuli_chr01	2828544	GG	AA	1940126083
SNP_P1_1421_2828574	NC_021160.1	Ca_kabuli_chr01	2828574	AA	TT	1940126085
SNP_P1_1424_2830832	NC_021160.1	Ca_kabuli_chr01	2830832	AA	GG	1940126086
SNP_P1_1425_2830873	NC_021160.1	Ca_kabuli_chr01	2830873	TT	CC	1940126087
SNP_P1_1426_2831409	NC_021160.1	Ca_kabuli_chr01	2831409	AA	CC	1940126088
SNP_P1_1428_2836428	NC_021160.1	Ca_kabuli_chr01	2836428	AA	CC	1940126089
SNP_P1_1429_2836682	NC_021160.1	Ca_kabuli_chr01	2836682	GG	AA	1940126090
SNP_P1_1431_2837698	NC_021160.1	Ca_kabuli_chr01	2837698	GG	TT	1940126091
SNP_P1_1432_2838380	NC_021160.1	Ca_kabuli_chr01	2838380	AA	TT	1940126092
SNP_P1_1433_2838540	NC_021160.1	Ca_kabuli_chr01	2838540	AA	TT	1940126093
SNP_P1_1434_2840010	NC_021160.1	Ca_kabuli_chr01	2840010	CC	TT	1940126094
SNP_P1_1435_2840319	NC_021160.1	Ca_kabuli_chr01	2840319	GG	AA	1940126095
SNP_P1_1437_2840956	NC_021160.1	Ca_kabuli_chr01	2840956	GG	AA	1940126096
SNP_P1_1438_2841105	NC_021160.1	Ca_kabuli_chr01	2841105	CC	TT	1940126097
SNP_P1_1439_2842695	NC_021160.1	Ca_kabuli_chr01	2842695	GG	AA	1940126098
SNP_P1_1441_2843540	NC_021160.1	Ca_kabuli_chr01	2843540	CC	AA	1940126099
SNP_P1_1442_2844285	NC_021160.1	Ca_kabuli_chr01	2844285	AA	TT	1940126100
SNP_P1_1443_2844312	NC_021160.1	Ca_kabuli_chr01	2844312	CC	TT	1940126101
SNP_P1_1444_2844647	NC_021160.1	Ca_kabuli_chr01	2844647	TT	CC	1940126102

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1446_2844683	NC_021160.1	Ca_kabuli_chr01	2844683	CC	TT	1940126104
SNP_P1_1447_2844960	NC_021160.1	Ca_kabuli_chr01	2844960	GG	AA	1940126105
SNP_P1_1448_2844963	NC_021160.1	Ca_kabuli_chr01	2844963	AA	GG	1940126106
SNP_P1_1449_2844978	NC_021160.1	Ca_kabuli_chr01	2844978	TT	AA	1940126107
SNP_P1_1450_2844999	NC_021160.1	Ca_kabuli_chr01	2844999	AA	TT	1940126108
SNP_P1_1451_2845017	NC_021160.1	Ca_kabuli_chr01	2845017	AA	GG	1940126109
SNP_P1_1452_2845341	NC_021160.1	Ca_kabuli_chr01	2845341	CC	TT	1940126110
SNP_P1_1453_2845491	NC_021160.1	Ca_kabuli_chr01	2845491	AA	CC	1940126111
SNP_P1_1454_2845526	NC_021160.1	Ca_kabuli_chr01	2845526	TT	GG	1940126112
SNP_P1_1455_2845563	NC_021160.1	Ca_kabuli_chr01	2845563	AA	CC	1940126113
SNP_P1_1456_2845827	NC_021160.1	Ca_kabuli_chr01	2845827	AA	GG	1940126114
SNP_P1_1457_2845882	NC_021160.1	Ca_kabuli_chr01	2845882	AA	GG	1940126115
SNP_P1_1458_2845909	NC_021160.1	Ca_kabuli_chr01	2845909	CC	TT	1940126116
SNP_P1_1459_2845919	NC_021160.1	Ca_kabuli_chr01	2845919	AA	CC	1940126117
SNP_P1_1461_2846225	NC_021160.1	Ca_kabuli_chr01	2846225	GG	AA	1940126118
SNP_P1_1462_2847883	NC_021160.1	Ca_kabuli_chr01	2847883	CC	AA	1940126119
SNP_P1_1463_2848032	NC_021160.1	Ca_kabuli_chr01	2848032	GG	AA	1940126120
SNP_P1_1464_2849389	NC_021160.1	Ca_kabuli_chr01	2849389	GG	AA	1940126121
SNP_P1_1465_2849395	NC_021160.1	Ca_kabuli_chr01	2849395	AA	GG	1940126122
SNP_P1_1466_2850128	NC_021160.1	Ca_kabuli_chr01	2850128	GG	AA	1940126123
SNP_P1_1467_2850130	NC_021160.1	Ca_kabuli_chr01	2850130	GG	AA	1940126124
SNP_P1_1468_2850472	NC_021160.1	Ca_kabuli_chr01	2850472	AA	TT	1940126125
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SNP_P1_1470_2850581	NC_021160.1	Ca_kabuli_chr01	2850581	TT	CC	1940126127
SNP_P1_1471_2850638	NC_021160.1	Ca_kabuli_chr01	2850638	AA	GG	1940126128
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SNP_P1_1474_2851545	NC_021160.1	Ca_kabuli_chr01	2851545	TT	GG	1940126131
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SNP_P1_1476_2852034	NC_021160.1	Ca_kabuli_chr01	2852034	CC	AA	1940126133
SNP_P1_1477_2854316	NC_021160.1	Ca_kabuli_chr01	2854316	TT	AA	1940126134
SNP_P1_1478_2859917	NC_021160.1	Ca_kabuli_chr01	2859917	AA	GG	1940126135
SNP_P1_1479_2860118	NC_021160.1	Ca_kabuli_chr01	2860118	TT	GG	1940126136
SNP_P1_1480_2860292	NC_021160.1	Ca_kabuli_chr01	2860292	GG	AA	1940126137
SNP_P1_1482_2861866	NC_021160.1	Ca_kabuli_chr01	2861866	GG	AA	1940126138
SNP_P1_1483_2861917	NC_021160.1	Ca_kabuli_chr01	2861917	GG	AA	1940126139
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SNP_P1_1485_2862152	NC_021160.1	Ca_kabuli_chr01	2862152	CC	TT	1940126141
SNP_P1_1486_2862180	NC_021160.1	Ca_kabuli_chr01	2862180	GG	TT	1940126142
SNP_P1_1487_2862208	NC_021160.1	Ca_kabuli_chr01	2862208	GG	AA	1940126143
SNP_P1_1489_2864271	NC_021160.1	Ca_kabuli_chr01	2864271	TT	AA	1940126144
SNP_P1_1490_2864720	NC_021160.1	Ca_kabuli_chr01	2864720	TT	AA	1940126145

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1493_2866955	NC_021160.1	Ca_kabuli_chr01	2866955	TT	AA	1940126148
SNP_P1_1496_2867393	NC_021160.1	Ca_kabuli_chr01	2867393	CC	TT	1940126149
SNP_P1_1497_2867857	NC_021160.1	Ca_kabuli_chr01	2867857	TT	GG	1940126150
SNP_P1_1498_2867918	NC_021160.1	Ca_kabuli_chr01	2867918	TT	GG	1940126151
SNP_P1_1499_2867920	NC_021160.1	Ca_kabuli_chr01	2867920	GG	TT	1940126152
SNP_P1_1500_2868312	NC_021160.1	Ca_kabuli_chr01	2868312	TT	AA	1940126153
SNP_P1_1501_2868349	NC_021160.1	Ca_kabuli_chr01	2868349	TT	AA	1940126154
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SNP_P1_1505_2868991	NC_021160.1	Ca_kabuli_chr01	2868991	GG	TT	1940126156
SNP_P1_1506_2871342	NC_021160.1	Ca_kabuli_chr01	2871342	CC	AA	1940126157
SNP_P1_1507_2871784	NC_021160.1	Ca_kabuli_chr01	2871784	CC	TT	1940126158
SNP_P1_1508_2871810	NC_021160.1	Ca_kabuli_chr01	2871810	CC	AA	1940126159
SNP_P1_1509_2872477	NC_021160.1	Ca_kabuli_chr01	2872477	AA	GG	1940126160
SNP_P1_1510_2874401	NC_021160.1	Ca_kabuli_chr01	2874401	CC	TT	1940126161
SNP_P1_1511_2874413	NC_021160.1	Ca_kabuli_chr01	2874413	GG	TT	1940126162
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SNP_P1_1513_2877187	NC_021160.1	Ca_kabuli_chr01	2877187	CC	GG	1940126164
SNP_P1_1514_2877200	NC_021160.1	Ca_kabuli_chr01	2877200	AA	GG	1940126165
SNP_P1_1515_2877821	NC_021160.1	Ca_kabuli_chr01	2877821	AA	GG	1940126166
SNP_P1_1516_2877958	NC_021160.1	Ca_kabuli_chr01	2877958	AA	GG	1940126167
SNP_P1_1517_2877964	NC_021160.1	Ca_kabuli_chr01	2877964	CC	TT	1940126168
SNP_P1_1518_2878145	NC_021160.1	Ca_kabuli_chr01	2878145	CC	TT	1940126169
SNP_P1_1520_2881321	NC_021160.1	Ca_kabuli_chr01	2881321	CC	AA	1940126170
SNP_P1_1521_2881323	NC_021160.1	Ca_kabuli_chr01	2881323	AA	GG	1940126171
SNP_P1_1522_2882678	NC_021160.1	Ca_kabuli_chr01	2882678	GG	AA	1940126172
SNP_P1_1523_2882702	NC_021160.1	Ca_kabuli_chr01	2882702	TT	CC	1940126173
SNP_P1_1524_2882703	NC_021160.1	Ca_kabuli_chr01	2882703	AA	GG	1940126174
SNP_P1_1525_2884406	NC_021160.1	Ca_kabuli_chr01	2884406	GG	CC	1940126175
SNP_P1_1526_2884416	NC_021160.1	Ca_kabuli_chr01	2884416	CC	AA	1940126176
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SNP_P1_1528_2884747	NC_021160.1	Ca_kabuli_chr01	2884747	AA	GG	1940126178
SNP_P1_1529_2884748	NC_021160.1	Ca_kabuli_chr01	2884748	CC	GG	1940126179
SNP_P1_1530_2884774	NC_021160.1	Ca_kabuli_chr01	2884774	AA	GG	1940126180
SNP_P1_1531_2884775	NC_021160.1	Ca_kabuli_chr01	2884775	TT	GG	1940126182
SNP_P1_1532_2884788	NC_021160.1	Ca_kabuli_chr01	2884788	TT	AA	1940126183
SNP_P1_1533_2885175	NC_021160.1	Ca_kabuli_chr01	2885175	TT	CC	1940126184
SNP_P1_1534_2885242	NC_021160.1	Ca_kabuli_chr01	2885242	AA	CC	1940126185
SNP_P1_1535_2885262	NC_021160.1	Ca_kabuli_chr01	2885262	TT	CC	1940126186
SNP_P1_1537_2885395	NC_021160.1	Ca_kabuli_chr01	2885395	GG	AA	1940126187
SNP_P1_1538_2885508	NC_021160.1	Ca_kabuli_chr01	2885508	TT	CC	1940126188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1540_2885531	NC_021160.1	Ca_kabuli_chr01	2885531	CC	TT	1940126190
SNP_P1_1541_2885580	NC_021160.1	Ca_kabuli_chr01	2885580	AA	GG	1940126191
SNP_P1_1542_2885657	NC_021160.1	Ca_kabuli_chr01	2885657	AA	GG	1940126192
SNP_P1_1543_2885673	NC_021160.1	Ca_kabuli_chr01	2885673	CC	GG	1940126193
SNP_P1_1544_2885817	NC_021160.1	Ca_kabuli_chr01	2885817	GG	AA	1940126194
SNP_P1_1545_2885860	NC_021160.1	Ca_kabuli_chr01	2885860	AA	CC	1940126195
SNP_P1_1546_2887372	NC_021160.1	Ca_kabuli_chr01	2887372	CC	TT	1940126196
SNP_P1_1547_2890399	NC_021160.1	Ca_kabuli_chr01	2890399	GG	AA	1940126197
SNP_P1_1548_2890434	NC_021160.1	Ca_kabuli_chr01	2890434	TT	CC	1940126198
SNP_P1_1549_2892263	NC_021160.1	Ca_kabuli_chr01	2892263	AA	CC	1940126199
SNP_P1_1550_2892836	NC_021160.1	Ca_kabuli_chr01	2892836	GG	CC	1940126200
SNP_P1_1551_2893280	NC_021160.1	Ca_kabuli_chr01	2893280	AA	TT	1940126201
SNP_P1_1552_2893726	NC_021160.1	Ca_kabuli_chr01	2893726	CC	AA	1940126202
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SNP_P1_1554_2893884	NC_021160.1	Ca_kabuli_chr01	2893884	TT	CC	1940126204
SNP_P1_1555_2894358	NC_021160.1	Ca_kabuli_chr01	2894358	TT	GG	1940126205
SNP_P1_1556_2894470	NC_021160.1	Ca_kabuli_chr01	2894470	CC	AA	1940126206
SNP_P1_1557_2894765	NC_021160.1	Ca_kabuli_chr01	2894765	CC	AA	1940126207
SNP_P1_1558_2894768	NC_021160.1	Ca_kabuli_chr01	2894768	AA	GG	1940126208
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SNP_P1_1560_2897286	NC_021160.1	Ca_kabuli_chr01	2897286	TT	CC	1940126210
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SNP_P1_1562_2897983	NC_021160.1	Ca_kabuli_chr01	2897983	GG	AA	1940126212
SNP_P1_1563_2898138	NC_021160.1	Ca_kabuli_chr01	2898138	TT	CC	1940126213
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SNP_P1_1568_2900990	NC_021160.1	Ca_kabuli_chr01	2900990	CC	TT	1940126217
SNP_P1_1569_2900991	NC_021160.1	Ca_kabuli_chr01	2900991	AA	GG	1940126218
SNP_P1_1570_2901036	NC_021160.1	Ca_kabuli_chr01	2901036	AA	GG	1940126219
SNP_P1_1571_2901072	NC_021160.1	Ca_kabuli_chr01	2901072	AA	TT	1940126220
SNP_P1_1572_2901094	NC_021160.1	Ca_kabuli_chr01	2901094	AA	GG	1940126221
SNP_P1_1573_2901128	NC_021160.1	Ca_kabuli_chr01	2901128	GG	AA	1940126222
SNP_P1_1575_2901460	NC_021160.1	Ca_kabuli_chr01	2901460	AA	GG	1940126223
SNP_P1_1576_2901826	NC_021160.1	Ca_kabuli_chr01	2901826	AA	GG	1940126224
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SNP_P1_1578_2902262	NC_021160.1	Ca_kabuli_chr01	2902262	CC	TT	1940126227
SNP_P1_1579_2903254	NC_021160.1	Ca_kabuli_chr01	2903254	CC	TT	1940126228
SNP_P1_1580_2903271	NC_021160.1	Ca_kabuli_chr01	2903271	TT	AA	1940126229
SNP_P1_1581_2903730	NC_021160.1	Ca_kabuli_chr01	2903730	TT	AA	1940126230
SNP_P1_1582_2906516	NC_021160.1	Ca_kabuli_chr01	2906516	CC	GG	1940126231

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1585_2908970	NC_021160.1	Ca_kabuli_chr01	2908970	AA	GG	1940126234
SNP_P1_1586_2909146	NC_021160.1	Ca_kabuli_chr01	2909146	CC	TT	1940126235
SNP_P1_1588_2913228	NC_021160.1	Ca_kabuli_chr01	2913228	AA	CC	1940126236
SNP_P1_1589_2913286	NC_021160.1	Ca_kabuli_chr01	2913286	TT	CC	1940126237
SNP_P1_1590_2913303	NC_021160.1	Ca_kabuli_chr01	2913303	CC	TT	1940126238
SNP_P1_1591_2916932	NC_021160.1	Ca_kabuli_chr01	2916932	AA	CC	1940126239
SNP_P1_1592_2916943	NC_021160.1	Ca_kabuli_chr01	2916943	CC	TT	1940126240
SNP_P1_1595_2920013	NC_021160.1	Ca_kabuli_chr01	2920013	GG	AA	1940126241
SNP_P1_1596_2920251	NC_021160.1	Ca_kabuli_chr01	2920251	CC	TT	1940126242
SNP_P1_1597_2921130	NC_021160.1	Ca_kabuli_chr01	2921130	GG	AA	1940126243
SNP_P1_1598_2921252	NC_021160.1	Ca_kabuli_chr01	2921252	GG	CC	1940126244
SNP_P1_1600_2921885	NC_021160.1	Ca_kabuli_chr01	2921885	CC	TT	1940126245
SNP_P1_1601_2922466	NC_021160.1	Ca_kabuli_chr01	2922466	CC	TT	1940126246
SNP_P1_1602_2922471	NC_021160.1	Ca_kabuli_chr01	2922471	GG	TT	1940126247
SNP_P1_1603_2922483	NC_021160.1	Ca_kabuli_chr01	2922483	CC	TT	1940126248
SNP_P1_1606_2923118	NC_021160.1	Ca_kabuli_chr01	2923118	TT	CC	1940126249
SNP_P1_1607_2923174	NC_021160.1	Ca_kabuli_chr01	2923174	GG	AA	1940126250
SNP_P1_1608_2923175	NC_021160.1	Ca_kabuli_chr01	2923175	TT	AA	1940126251
SNP_P1_1609_2923183	NC_021160.1	Ca_kabuli_chr01	2923183	GG	AA	1940126252
SNP_P1_1610_2923208	NC_021160.1	Ca_kabuli_chr01	2923208	GG	AA	1940126253
SNP_P1_1612_2923287	NC_021160.1	Ca_kabuli_chr01	2923287	TT	AA	1940126254
SNP_P1_1613_2923750	NC_021160.1	Ca_kabuli_chr01	2923750	TT	CC	1940126255
SNP_P1_1614_2923803	NC_021160.1	Ca_kabuli_chr01	2923803	TT	CC	1940126256
SNP_P1_1615_2923805	NC_021160.1	Ca_kabuli_chr01	2923805	AA	GG	1940126257
SNP_P1_1616_2923853	NC_021160.1	Ca_kabuli_chr01	2923853	CC	GG	1940126258
SNP_P1_1617_2923982	NC_021160.1	Ca_kabuli_chr01	2923982	AA	TT	1940126259
SNP_P1_1618_2924034	NC_021160.1	Ca_kabuli_chr01	2924034	CC	AA	1940126260
SNP_P1_1619_2924036	NC_021160.1	Ca_kabuli_chr01	2924036	GG	AA	1940126261
SNP_P1_1621_2924591	NC_021160.1	Ca_kabuli_chr01	2924591	CC	AA	1940126262
SNP_P1_1622_2924836	NC_021160.1	Ca_kabuli_chr01	2924836	TT	AA	1940126263
SNP_P1_1623_2924837	NC_021160.1	Ca_kabuli_chr01	2924837	AA	GG	1940126264
SNP_P1_1624_2924873	NC_021160.1	Ca_kabuli_chr01	2924873	AA	TT	1940126265
SNP_P1_1625_2925135	NC_021160.1	Ca_kabuli_chr01	2925135	AA	GG	1940126266
SNP_P1_1626_2925329	NC_021160.1	Ca_kabuli_chr01	2925329	CC	TT	1940126267
SNP_P1_1627_2925615	NC_021160.1	Ca_kabuli_chr01	2925615	AA	CC	1940126269
SNP_P1_1628_2925694	NC_021160.1	Ca_kabuli_chr01	2925694	AA	GG	1940126270
SNP_P1_1629_2925708	NC_021160.1	Ca_kabuli_chr01	2925708	GG	CC	1940126271
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SNP_P1_1632_2926037	NC_021160.1	Ca_kabuli_chr01	2926037	TT	CC	1940126273
SNP_P1_1633_2926106	NC_021160.1	Ca_kabuli_chr01	2926106	AA	GG	1940126274

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1636_2933840	NC_021160.1	Ca_kabuli_chr01	2933840	AA	TT	1940126277
SNP_P1_1637_2933841	NC_021160.1	Ca_kabuli_chr01	2933841	GG	AA	1940126278
SNP_P1_1639_2933973	NC_021160.1	Ca_kabuli_chr01	2933973	CC	TT	1940126279
SNP_P1_1640_2934152	NC_021160.1	Ca_kabuli_chr01	2934152	CC	TT	1940126280
SNP_P1_1641_2934194	NC_021160.1	Ca_kabuli_chr01	2934194	AA	CC	1940126281
SNP_P1_1642_2934476	NC_021160.1	Ca_kabuli_chr01	2934476	TT	AA	1940126282
SNP_P1_1643_2935886	NC_021160.1	Ca_kabuli_chr01	2935886	AA	GG	1940126283
SNP_P1_1644_2936762	NC_021160.1	Ca_kabuli_chr01	2936762	TT	CC	1940126284
SNP_P1_1646_2937789	NC_021160.1	Ca_kabuli_chr01	2937789	CC	TT	1940126285
SNP_P1_1647_2937902	NC_021160.1	Ca_kabuli_chr01	2937902	TT	AA	1940126286
SNP_P1_1648_2937903	NC_021160.1	Ca_kabuli_chr01	2937903	CC	AA	1940126287
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SNP_P1_1655_2938832	NC_021160.1	Ca_kabuli_chr01	2938832	TT	AA	1940126293
SNP_P1_1656_2939100	NC_021160.1	Ca_kabuli_chr01	2939100	AA	GG	1940126294
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SNP_P1_1660_2940133	NC_021160.1	Ca_kabuli_chr01	2940133	TT	AA	1940126298
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SNP_P1_1662_2941402	NC_021160.1	Ca_kabuli_chr01	2941402	CC	AA	1940126300
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SNP_P1_1664_2941429	NC_021160.1	Ca_kabuli_chr01	2941429	CC	TT	1940126302
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SNP_P1_1666_2941680	NC_021160.1	Ca_kabuli_chr01	2941680	TT	AA	1940126304
SNP_P1_1667_2941691	NC_021160.1	Ca_kabuli_chr01	2941691	GG	TT	1940126305
SNP_P1_1668_2944539	NC_021160.1	Ca_kabuli_chr01	2944539	GG	AA	1940126306
SNP_P1_1669_2944579	NC_021160.1	Ca_kabuli_chr01	2944579	GG	AA	1940126307
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SNP_P1_1672_2945645	NC_021160.1	Ca_kabuli_chr01	2945645	TT	CC	1940126311
SNP_P1_1673_2945655	NC_021160.1	Ca_kabuli_chr01	2945655	GG	AA	1940126312
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SNP_P1_1677_2949590	NC_021160.1	Ca_kabuli_chr01	2949590	CC	TT	1940126314
SNP_P1_1678_2949817	NC_021160.1	Ca_kabuli_chr01	2949817	TT	CC	1940126315
SNP_P1_1679_2949849	NC_021160.1	Ca_kabuli_chr01	2949849	AA	TT	1940126316
SNP_P1_1680_2949853	NC_021160.1	Ca_kabuli_chr01	2949853	TT	GG	1940126317

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1684_2953699	NC_021160.1	Ca_kabuli_chr01	2953699	CC	AA	1940126320
SNP_P1_1685_2953715	NC_021160.1	Ca_kabuli_chr01	2953715	TT	CC	1940126321
SNP_P1_1686_2954420	NC_021160.1	Ca_kabuli_chr01	2954420	AA	GG	1940126322
SNP_P1_1687_2955366	NC_021160.1	Ca_kabuli_chr01	2955366	AA	GG	1940126323
SNP_P1_1688_2955404	NC_021160.1	Ca_kabuli_chr01	2955404	TT	CC	1940126324
SNP_P1_1689_2955442	NC_021160.1	Ca_kabuli_chr01	2955442	TT	AA	1940126325
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SNP_P1_1692_2960019	NC_021160.1	Ca_kabuli_chr01	2960019	GG	CC	1940126328
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SNP_P1_1695_2961534	NC_021160.1	Ca_kabuli_chr01	2961534	GG	AA	1940126330
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SNP_P1_1697_2961888	NC_021160.1	Ca_kabuli_chr01	2961888	AA	GG	1940126332
SNP_P1_1698_2961891	NC_021160.1	Ca_kabuli_chr01	2961891	TT	AA	1940126333
SNP_P1_1699_2961894	NC_021160.1	Ca_kabuli_chr01	2961894	GG	TT	1940126334
SNP_P1_1700_2962007	NC_021160.1	Ca_kabuli_chr01	2962007	CC	TT	1940126335
SNP_P1_1701_2962316	NC_021160.1	Ca_kabuli_chr01	2962316	CC	GG	1940126336
SNP_P1_1702_2963250	NC_021160.1	Ca_kabuli_chr01	2963250	AA	TT	1940126337
SNP_P1_1703_2964188	NC_021160.1	Ca_kabuli_chr01	2964188	AA	GG	1940126338
SNP_P1_1704_2964234	NC_021160.1	Ca_kabuli_chr01	2964234	AA	GG	1940126339
SNP_P1_1705_2965391	NC_021160.1	Ca_kabuli_chr01	2965391	AA	TT	1940126340
SNP_P1_1707_2966202	NC_021160.1	Ca_kabuli_chr01	2966202	AA	GG	1940126341
SNP_P1_1708_2967182	NC_021160.1	Ca_kabuli_chr01	2967182	AA	GG	1940126342
SNP_P1_1709_2967692	NC_021160.1	Ca_kabuli_chr01	2967692	GG	CC	1940126343
SNP_P1_1710_2967699	NC_021160.1	Ca_kabuli_chr01	2967699	TT	GG	1940126344
SNP_P1_1711_2967710	NC_021160.1	Ca_kabuli_chr01	2967710	GG	TT	1940126345
SNP_P1_1712_2967968	NC_021160.1	Ca_kabuli_chr01	2967968	TT	AA	1940126346
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SNP_P1_1716_2969398	NC_021160.1	Ca_kabuli_chr01	2969398	AA	GG	1940126350
SNP_P1_1717_2969410	NC_021160.1	Ca_kabuli_chr01	2969410	CC	TT	1940126351
SNP_P1_1718_2970386	NC_021160.1	Ca_kabuli_chr01	2970386	AA	TT	1940126352
SNP_P1_1719_2970877	NC_021160.1	Ca_kabuli_chr01	2970877	CC	TT	1940126353
SNP_P1_1720_2971307	NC_021160.1	Ca_kabuli_chr01	2971307	TT	CC	1940126354
SNP_P1_1721_2971309	NC_021160.1	Ca_kabuli_chr01	2971309	TT	AA	1940126355
SNP_P1_1722_2971573	NC_021160.1	Ca_kabuli_chr01	2971573	AA	TT	1940126356
SNP_P1_1723_2971855	NC_021160.1	Ca_kabuli_chr01	2971855	GG	TT	1940126357
SNP_P1_1724_2972695	NC_021160.1	Ca_kabuli_chr01	2972695	TT	GG	1940126358
SNP_P1_1725_2972728	NC_021160.1	Ca_kabuli_chr01	2972728	TT	CC	1940126359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_1726_2973052	NC_021160.1	Ca_kabuli_chr01	2973052	GG	TT	1940126360
SNP_P1_1727_2973099	NC_021160.1	Ca_kabuli_chr01	2973099	AA	TT	1940126361
SNP_P1_1728_2973109	NC_021160.1	Ca_kabuli_chr01	2973109	CC	GG	1940126362
SNP_P1_1730_2974036	NC_021160.1	Ca_kabuli_chr01	2974036	CC	TT	1940126363
SNP_P1_1732_2975505	NC_021160.1	Ca_kabuli_chr01	2975505	TT	CC	1940126364
SNP_P1_1734_2980826	NC_021160.1	Ca_kabuli_chr01	2980826	GG	CC	1940126365
SNP_P1_1735_2980999	NC_021160.1	Ca_kabuli_chr01	2980999	GG	TT	1940126367
SNP_P1_1736_2981187	NC_021160.1	Ca_kabuli_chr01	2981187	GG	AA	1940126368
SNP_P1_1738_2988398	NC_021160.1	Ca_kabuli_chr01	2988398	AA	TT	1940126369
SNP_P1_1739_2988654	NC_021160.1	Ca_kabuli_chr01	2988654	TT	CC	1940126370
SNP_P1_1740_2988869	NC_021160.1	Ca_kabuli_chr01	2988869	CC	GG	1940126371
SNP_P1_1741_2989941	NC_021160.1	Ca_kabuli_chr01	2989941	AA	GG	1940126372
SNP_P1_1742_2990104	NC_021160.1	Ca_kabuli_chr01	2990104	CC	TT	1940126373
SNP_P1_1743_2990215	NC_021160.1	Ca_kabuli_chr01	2990215	CC	AA	1940126374
SNP_P1_1744_2990223	NC_021160.1	Ca_kabuli_chr01	2990223	GG	AA	1940126375
SNP_P1_1745_2990342	NC_021160.1	Ca_kabuli_chr01	2990342	TT	CC	1940126376
SNP_P1_1746_2991103	NC_021160.1	Ca_kabuli_chr01	2991103	AA	GG	1940126377
SNP_P1_1747_2993011	NC_021160.1	Ca_kabuli_chr01	2993011	CC	AA	1940126378
SNP_P1_1749_2993214	NC_021160.1	Ca_kabuli_chr01	2993214	GG	TT	1940126379
SNP_P1_1750_2993257	NC_021160.1	Ca_kabuli_chr01	2993257	AA	TT	1940126380
SNP_P1_1751_2993297	NC_021160.1	Ca_kabuli_chr01	2993297	CC	TT	1940126381
SNP_P1_1753_2993814	NC_021160.1	Ca_kabuli_chr01	2993814	AA	CC	1940126382
SNP_P1_1754_2993830	NC_021160.1	Ca_kabuli_chr01	2993830	TT	AA	1940126383
SNP_P1_1755_2994160	NC_021160.1	Ca_kabuli_chr01	2994160	TT	GG	1940126384
SNP_P1_1756_2994390	NC_021160.1	Ca_kabuli_chr01	2994390	TT	GG	1940126385
SNP_P1_1758_2995346	NC_021160.1	Ca_kabuli_chr01	2995346	GG	AA	1940126386
SNP_P1_1759_2997048	NC_021160.1	Ca_kabuli_chr01	2997048	TT	GG	1940126387
SNP_P1_1760_2999169	NC_021160.1	Ca_kabuli_chr01	2999169	AA	GG	1940126388
SNP_P1_1761_3001141	NC_021160.1	Ca_kabuli_chr01	3001141	AA	GG	1940126389
SNP_P1_1762_3001747	NC_021160.1	Ca_kabuli_chr01	3001747	GG	TT	1940126390
SNP_P1_1763_3002580	NC_021160.1	Ca_kabuli_chr01	3002580	GG	AA	1940126391
SNP_P1_1765_3004106	NC_021160.1	Ca_kabuli_chr01	3004106	CC	TT	1940126392
SNP_P1_1766_3005367	NC_021160.1	Ca_kabuli_chr01	3005367	CC	GG	1940126393
SNP_P1_1767_3007432	NC_021160.1	Ca_kabuli_chr01	3007432	AA	GG	1940126394
SNP_P1_1768_3009894	NC_021160.1	Ca_kabuli_chr01	3009894	TT	CC	1940126395
SNP_P1_1769_3010481	NC_021160.1	Ca_kabuli_chr01	3010481	GG	CC	1940126396
SNP_P1_1770_3012542	NC_021160.1	Ca_kabuli_chr01	3012542	AA	GG	1940126397
SNP_P1_1771_3012878	NC_021160.1	Ca_kabuli_chr01	3012878	CC	TT	1940126398
SNP_P1_1772_3013626	NC_021160.1	Ca_kabuli_chr01	3013626	CC	AA	1940126399
SNP_P1_1774_3016414	NC_021160.1	Ca_kabuli_chr01	3016414	AA	GG	1940126400
SNP_P1_1775_3016434	NC_021160.1	Ca_kabuli_chr01	3016434	CC	TT	1940126401
SNP_P1_1776_3016436	NC_021160.1	Ca_kabuli_chr01	3016436	CC	TT	1940126402

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_1778_3017707	NC_021160.1	Ca_kabuli_chr01	3017707	TT	CC	1940126403
SNP_P1_1779_3020147	NC_021160.1	Ca_kabuli_chr01	3020147	TT	CC	1940126404
SNP_P1_1780_3020168	NC_021160.1	Ca_kabuli_chr01	3020168	AA	GG	1940126405
SNP_P1_1781_3020195	NC_021160.1	Ca_kabuli_chr01	3020195	TT	CC	1940126406
SNP_P1_1782_3020244	NC_021160.1	Ca_kabuli_chr01	3020244	GG	TT	1940126407
SNP_P1_1783_3020269	NC_021160.1	Ca_kabuli_chr01	3020269	AA	TT	1940126408
SNP_P1_1785_3020486	NC_021160.1	Ca_kabuli_chr01	3020486	AA	GG	1940126409
SNP_P1_1786_3020504	NC_021160.1	Ca_kabuli_chr01	3020504	CC	AA	1940126410
SNP_P1_1787_3020519	NC_021160.1	Ca_kabuli_chr01	3020519	CC	TT	1940126411
SNP_P1_1788_3020522	NC_021160.1	Ca_kabuli_chr01	3020522	GG	AA	1940126412
SNP_P1_1789_3020543	NC_021160.1	Ca_kabuli_chr01	3020543	CC	AA	1940126413
SNP_P1_1791_3024540	NC_021160.1	Ca_kabuli_chr01	3024540	GG	AA	1940126414
SNP_P1_1793_3024912	NC_021160.1	Ca_kabuli_chr01	3024912	TT	CC	1940126415
SNP_P1_1794_3024984	NC_021160.1	Ca_kabuli_chr01	3024984	CC	TT	1940126416
SNP_P1_1795_3026037	NC_021160.1	Ca_kabuli_chr01	3026037	GG	AA	1940126417
SNP_P1_1796_3026833	NC_021160.1	Ca_kabuli_chr01	3026833	CC	TT	1940126419
SNP_P1_1797_3027230	NC_021160.1	Ca_kabuli_chr01	3027230	TT	CC	1940126420
SNP_P1_1798_3027551	NC_021160.1	Ca_kabuli_chr01	3027551	TT	CC	1940126421
SNP_P1_1799_3027637	NC_021160.1	Ca_kabuli_chr01	3027637	CC	TT	1940126422
SNP_P1_1800_3027744	NC_021160.1	Ca_kabuli_chr01	3027744	AA	TT	1940126423
SNP_P1_1801_3028144	NC_021160.1	Ca_kabuli_chr01	3028144	TT	CC	1940126424
SNP_P1_1802_3028671	NC_021160.1	Ca_kabuli_chr01	3028671	GG	TT	1940126425
SNP_P1_1803_3028884	NC_021160.1	Ca_kabuli_chr01	3028884	CC	TT	1940126426
SNP_P1_1804_3028925	NC_021160.1	Ca_kabuli_chr01	3028925	GG	AA	1940126427
SNP_P1_1805_3029654	NC_021160.1	Ca_kabuli_chr01	3029654	GG	CC	1940126428
SNP_P1_1806_3029865	NC_021160.1	Ca_kabuli_chr01	3029865	TT	CC	1940126429
SNP_P1_1807_3029867	NC_021160.1	Ca_kabuli_chr01	3029867	GG	CC	1940126430
SNP_P1_1808_3029887	NC_021160.1	Ca_kabuli_chr01	3029887	TT	CC	1940126431
SNP_P1_1809_3029900	NC_021160.1	Ca_kabuli_chr01	3029900	CC	TT	1940126432
SNP_P1_1810_3029932	NC_021160.1	Ca_kabuli_chr01	3029932	GG	AA	1940126433
SNP_P1_1811_3030241	NC_021160.1	Ca_kabuli_chr01	3030241	CC	TT	1940126434
SNP_P1_1812_3030253	NC_021160.1	Ca_kabuli_chr01	3030253	GG	AA	1940126435
SNP_P1_1813_3030787	NC_021160.1	Ca_kabuli_chr01	3030787	TT	AA	1940126436
SNP_P1_1814_3030998	NC_021160.1	Ca_kabuli_chr01	3030998	AA	GG	1940126437
SNP_P1_1815_3033133	NC_021160.1	Ca_kabuli_chr01	3033133	TT	CC	1940126438
SNP_P1_1816_3033272	NC_021160.1	Ca_kabuli_chr01	3033272	TT	CC	1940126439
SNP_P1_1818_3034148	NC_021160.1	Ca_kabuli_chr01	3034148	CC	TT	1940126440
SNP_P1_1819_3034187	NC_021160.1	Ca_kabuli_chr01	3034187	TT	CC	1940126441
SNP_P1_1820_3035394	NC_021160.1	Ca_kabuli_chr01	3035394	GG	TT	1940126442
SNP_P1_1821_3035458	NC_021160.1	Ca_kabuli_chr01	3035458	CC	GG	1940126443
SNP_P1_1822_3035470	NC_021160.1	Ca_kabuli_chr01	3035470	GG	TT	1940126444
SNP_P1_1823_3036587	NC_021160.1	Ca_kabuli_chr01	3036587	AA	CC	1940126445

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_1824_3036910	NC_021160.1	Ca_kabuli_chr01	3036910	CC	TT	1940126446
SNP_P1_1826_3038870	NC_021160.1	Ca_kabuli_chr01	3038870	GG	AA	1940126447
SNP_P1_1827_3039027	NC_021160.1	Ca_kabuli_chr01	3039027	AA	TT	1940126448
SNP_P1_1828_3039060	NC_021160.1	Ca_kabuli_chr01	3039060	AA	CC	1940126449
SNP_P1_1829_3039098	NC_021160.1	Ca_kabuli_chr01	3039098	CC	TT	1940126450
SNP_P1_1830_3039110	NC_021160.1	Ca_kabuli_chr01	3039110	GG	TT	1940126451
SNP_P1_1831_3039133	NC_021160.1	Ca_kabuli_chr01	3039133	TT	CC	1940126452
SNP_P1_1832_3039229	NC_021160.1	Ca_kabuli_chr01	3039229	AA	CC	1940126453
SNP_P1_1834_3040362	NC_021160.1	Ca_kabuli_chr01	3040362	TT	CC	1940126454
SNP_P1_1835_3040583	NC_021160.1	Ca_kabuli_chr01	3040583	AA	CC	1940126455
SNP_P1_1836_3040634	NC_021160.1	Ca_kabuli_chr01	3040634	GG	AA	1940126456
SNP_P1_1838_3042077	NC_021160.1	Ca_kabuli_chr01	3042077	AA	TT	1940126457
SNP_P1_1839_3042090	NC_021160.1	Ca_kabuli_chr01	3042090	TT	CC	1940126458
SNP_P1_1840_3042100	NC_021160.1	Ca_kabuli_chr01	3042100	CC	GG	1940126459
SNP_P1_1841_3042103	NC_021160.1	Ca_kabuli_chr01	3042103	TT	GG	1940126460
SNP_P1_1843_3042449	NC_021160.1	Ca_kabuli_chr01	3042449	TT	CC	1940126461
SNP_P1_1845_3044537	NC_021160.1	Ca_kabuli_chr01	3044537	AA	GG	1940126462
SNP_P1_1846_3044645	NC_021160.1	Ca_kabuli_chr01	3044645	TT	CC	1940126463
SNP_P1_1847_3044946	NC_021160.1	Ca_kabuli_chr01	3044946	TT	GG	1940126464
SNP_P1_1848_3044989	NC_021160.1	Ca_kabuli_chr01	3044989	CC	AA	1940126465
SNP_P1_1849_3045002	NC_021160.1	Ca_kabuli_chr01	3045002	CC	AA	1940126466
SNP_P1_1850_3045047	NC_021160.1	Ca_kabuli_chr01	3045047	GG	AA	1940126467
SNP_P1_1851_3045315	NC_021160.1	Ca_kabuli_chr01	3045315	AA	GG	1940126468
SNP_P1_1852_3045381	NC_021160.1	Ca_kabuli_chr01	3045381	AA	GG	1940126469
SNP_P1_1853_3045515	NC_021160.1	Ca_kabuli_chr01	3045515	TT	AA	1940126470
SNP_P1_1855_3045878	NC_021160.1	Ca_kabuli_chr01	3045878	AA	GG	1940126471
SNP_P1_1856_3045921	NC_021160.1	Ca_kabuli_chr01	3045921	CC	AA	1940126473
SNP_P1_1858_3046044	NC_021160.1	Ca_kabuli_chr01	3046044	AA	GG	1940126474
SNP_P1_1859_3047516	NC_021160.1	Ca_kabuli_chr01	3047516	CC	TT	1940126475
SNP_P1_1860_3048681	NC_021160.1	Ca_kabuli_chr01	3048681	AA	GG	1940126476
SNP_P1_1862_3049443	NC_021160.1	Ca_kabuli_chr01	3049443	AA	GG	1940126477
SNP_P1_1863_3049728	NC_021160.1	Ca_kabuli_chr01	3049728	AA	TT	1940126478
SNP_P1_1864_3050568	NC_021160.1	Ca_kabuli_chr01	3050568	CC	TT	1940126479
SNP_P1_1865_3050744	NC_021160.1	Ca_kabuli_chr01	3050744	CC	TT	1940126480
SNP_P1_1866_3050784	NC_021160.1	Ca_kabuli_chr01	3050784	AA	CC	1940126481
SNP_P1_1867_3050959	NC_021160.1	Ca_kabuli_chr01	3050959	TT	AA	1940126482
SNP_P1_1868_3052183	NC_021160.1	Ca_kabuli_chr01	3052183	AA	TT	1940126483
SNP_P1_1869_3052825	NC_021160.1	Ca_kabuli_chr01	3052825	GG	TT	1940126484
SNP_P1_1870_3054695	NC_021160.1	Ca_kabuli_chr01	3054695	GG	AA	1940126485
SNP_P1_1871_3054967	NC_021160.1	Ca_kabuli_chr01	3054967	CC	AA	1940126486
SNP_P1_1872_3055105	NC_021160.1	Ca_kabuli_chr01	3055105	AA	GG	1940126487
SNP_P1_1873_3055137	NC_021160.1	Ca_kabuli_chr01	3055137	AA	GG	1940126488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_1874_3055367	NC_021160.1	Ca_kabuli_chr01	3055367	GG	TT	1940126489
SNP_P1_1875_3063438	NC_021160.1	Ca_kabuli_chr01	3063438	GG	CC	1940126490
SNP_P1_1876_3063450	NC_021160.1	Ca_kabuli_chr01	3063450	CC	AA	1940126491
SNP_P1_1877_3065476	NC_021160.1	Ca_kabuli_chr01	3065476	AA	TT	1940126492
SNP_P1_1878_3065609	NC_021160.1	Ca_kabuli_chr01	3065609	GG	TT	1940126493
SNP_P1_1879_3065613	NC_021160.1	Ca_kabuli_chr01	3065613	TT	GG	1940126494
SNP_P1_1880_3066085	NC_021160.1	Ca_kabuli_chr01	3066085	TT	AA	1940126495
SNP_P1_1881_3066352	NC_021160.1	Ca_kabuli_chr01	3066352	AA	GG	1940126496
SNP_P1_1882_3066367	NC_021160.1	Ca_kabuli_chr01	3066367	GG	CC	1940126497
SNP_P1_1884_3068568	NC_021160.1	Ca_kabuli_chr01	3068568	AA	TT	1940126498
SNP_P1_1885_3068579	NC_021160.1	Ca_kabuli_chr01	3068579	AA	GG	1940126499
SNP_P1_1886_3069748	NC_021160.1	Ca_kabuli_chr01	3069748	AA	GG	1940126500
SNP_P1_1887_3069808	NC_021160.1	Ca_kabuli_chr01	3069808	GG	AA	1940126501
SNP_P1_1888_3069813	NC_021160.1	Ca_kabuli_chr01	3069813	CC	GG	1940126502
SNP_P1_1889_3070424	NC_021160.1	Ca_kabuli_chr01	3070424	TT	CC	1940126503
SNP_P1_1890_3070733	NC_021160.1	Ca_kabuli_chr01	3070733	AA	CC	1940126504
SNP_P1_1891_3070744	NC_021160.1	Ca_kabuli_chr01	3070744	TT	CC	1940126505
SNP_P1_1892_3070769	NC_021160.1	Ca_kabuli_chr01	3070769	CC	GG	1940126506
SNP_P1_1893_3071007	NC_021160.1	Ca_kabuli_chr01	3071007	GG	TT	1940126507
SNP_P1_1894_3071285	NC_021160.1	Ca_kabuli_chr01	3071285	CC	GG	1940126508
SNP_P1_1895_3071636	NC_021160.1	Ca_kabuli_chr01	3071636	CC	GG	1940126509
SNP_P1_1896_3071816	NC_021160.1	Ca_kabuli_chr01	3071816	GG	AA	1940126510
SNP_P1_1897_3072171	NC_021160.1	Ca_kabuli_chr01	3072171	GG	AA	1940126511
SNP_P1_1898_3072224	NC_021160.1	Ca_kabuli_chr01	3072224	CC	TT	1940126512
SNP_P1_1899_3072472	NC_021160.1	Ca_kabuli_chr01	3072472	CC	TT	1940126513
SNP_P1_1900_3072474	NC_021160.1	Ca_kabuli_chr01	3072474	GG	AA	1940126514
SNP_P1_1901_3072499	NC_021160.1	Ca_kabuli_chr01	3072499	TT	CC	1940126515
SNP_P1_1902_3072500	NC_021160.1	Ca_kabuli_chr01	3072500	CC	AA	1940126516
SNP_P1_1903_3072640	NC_021160.1	Ca_kabuli_chr01	3072640	AA	GG	1940126517
SNP_P1_1904_3072680	NC_021160.1	Ca_kabuli_chr01	3072680	GG	TT	1940126518
SNP_P1_1907_3073116	NC_021160.1	Ca_kabuli_chr01	3073116	AA	TT	1940126519
SNP_P1_1908_3073426	NC_021160.1	Ca_kabuli_chr01	3073426	CC	GG	1940126520
SNP_P1_1909_3073803	NC_021160.1	Ca_kabuli_chr01	3073803	CC	TT	1940126521
SNP_P1_1910_3074073	NC_021160.1	Ca_kabuli_chr01	3074073	TT	CC	1940126522
SNP_P1_1911_3074079	NC_021160.1	Ca_kabuli_chr01	3074079	AA	TT	1940126523
SNP_P1_1912_3074324	NC_021160.1	Ca_kabuli_chr01	3074324	GG	AA	1940126524
SNP_P1_1913_3074596	NC_021160.1	Ca_kabuli_chr01	3074596	GG	AA	1940126525
SNP_P1_1914_3074599	NC_021160.1	Ca_kabuli_chr01	3074599	GG	TT	1940126526
SNP_P1_1915_3075053	NC_021160.1	Ca_kabuli_chr01	3075053	TT	AA	1940126528
SNP_P1_1916_3075073	NC_021160.1	Ca_kabuli_chr01	3075073	TT	AA	1940126529
SNP_P1_1917_3075170	NC_021160.1	Ca_kabuli_chr01	3075170	GG	AA	1940126530
SNP_P1_1919_3075495	NC_021160.1	Ca_kabuli_chr01	3075495	AA	GG	1940126531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_1921_3075533	NC_021160.1	Ca_kabuli_chr01	3075533	AA	TT	1940126533
SNP_P1_1922_3075869	NC_021160.1	Ca_kabuli_chr01	3075869	TT	GG	1940126534
SNP_P1_1923_3076015	NC_021160.1	Ca_kabuli_chr01	3076015	TT	CC	1940126535
SNP_P1_1924_3076040	NC_021160.1	Ca_kabuli_chr01	3076040	AA	TT	1940126536
SNP_P1_1925_3076052	NC_021160.1	Ca_kabuli_chr01	3076052	CC	GG	1940126537
SNP_P1_1926_3076073	NC_021160.1	Ca_kabuli_chr01	3076073	CC	TT	1940126538
SNP_P1_1927_3076246	NC_021160.1	Ca_kabuli_chr01	3076246	AA	TT	1940126539
SNP_P1_1928_3076271	NC_021160.1	Ca_kabuli_chr01	3076271	AA	TT	1940126540
SNP_P1_1929_3076275	NC_021160.1	Ca_kabuli_chr01	3076275	AA	CC	1940126541
SNP_P1_1930_3076296	NC_021160.1	Ca_kabuli_chr01	3076296	CC	TT	1940126542
SNP_P1_1931_3076395	NC_021160.1	Ca_kabuli_chr01	3076395	GG	AA	1940126543
SNP_P1_1932_3076457	NC_021160.1	Ca_kabuli_chr01	3076457	GG	TT	1940126544
SNP_P1_1933_3076462	NC_021160.1	Ca_kabuli_chr01	3076462	CC	AA	1940126545
SNP_P1_1934_3079217	NC_021160.1	Ca_kabuli_chr01	3079217	TT	AA	1940126546
SNP_P1_1935_3079234	NC_021160.1	Ca_kabuli_chr01	3079234	TT	CC	1940126547
SNP_P1_1936_3079294	NC_021160.1	Ca_kabuli_chr01	3079294	AA	GG	1940126548
SNP_P1_1937_3079297	NC_021160.1	Ca_kabuli_chr01	3079297	TT	CC	1940126549
SNP_P1_1938_3079319	NC_021160.1	Ca_kabuli_chr01	3079319	CC	TT	1940126550
SNP_P1_1939_3079368	NC_021160.1	Ca_kabuli_chr01	3079368	CC	TT	1940126551
SNP_P1_1940_3079370	NC_021160.1	Ca_kabuli_chr01	3079370	TT	CC	1940126552
SNP_P1_1941_3079415	NC_021160.1	Ca_kabuli_chr01	3079415	AA	GG	1940126553
SNP_P1_1942_3079459	NC_021160.1	Ca_kabuli_chr01	3079459	TT	CC	1940126554
SNP_P1_1943_3079498	NC_021160.1	Ca_kabuli_chr01	3079498	AA	TT	1940126555
SNP_P1_1944_3080445	NC_021160.1	Ca_kabuli_chr01	3080445	CC	GG	1940126556
SNP_P1_1945_3080992	NC_021160.1	Ca_kabuli_chr01	3080992	TT	CC	1940126557
SNP_P1_1946_3081553	NC_021160.1	Ca_kabuli_chr01	3081553	TT	AA	1940126558
SNP_P1_1947_3081585	NC_021160.1	Ca_kabuli_chr01	3081585	GG	AA	1940126559
SNP_P1_1948_3081902	NC_021160.1	Ca_kabuli_chr01	3081902	CC	AA	1940126560
SNP_P1_1949_3081954	NC_021160.1	Ca_kabuli_chr01	3081954	AA	GG	1940126561
SNP_P1_1950_3082811	NC_021160.1	Ca_kabuli_chr01	3082811	CC	TT	1940126562
SNP_P1_1951_3082818	NC_021160.1	Ca_kabuli_chr01	3082818	GG	TT	1940126563
SNP_P1_1953_3083540	NC_021160.1	Ca_kabuli_chr01	3083540	GG	AA	1940126564
SNP_P1_1954_3084051	NC_021160.1	Ca_kabuli_chr01	3084051	TT	GG	1940126565
SNP_P1_1955_3084224	NC_021160.1	Ca_kabuli_chr01	3084224	CC	TT	1940126566
SNP_P1_1956_3084234	NC_021160.1	Ca_kabuli_chr01	3084234	TT	AA	1940126567
SNP_P1_1957_3085065	NC_021160.1	Ca_kabuli_chr01	3085065	AA	GG	1940126568
SNP_P1_1958_3085149	NC_021160.1	Ca_kabuli_chr01	3085149	CC	TT	1940126569
SNP_P1_1959_3085252	NC_021160.1	Ca_kabuli_chr01	3085252	CC	TT	1940126570
SNP_P1_1960_3085718	NC_021160.1	Ca_kabuli_chr01	3085718	GG	AA	1940126571
SNP_P1_1961_3086075	NC_021160.1	Ca_kabuli_chr01	3086075	CC	TT	1940126572
SNP_P1_1962_3086079	NC_021160.1	Ca_kabuli_chr01	3086079	AA	GG	1940126573

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_1963_3086158	NC_021160.1	Ca_kabuli_chr01	3086158	AA	CC	1940126574
SNP_P1_1964_3086160	NC_021160.1	Ca_kabuli_chr01	3086160	AA	TT	1940126575
SNP_P1_1965_3086211	NC_021160.1	Ca_kabuli_chr01	3086211	TT	CC	1940126576
SNP_P1_1966_3086299	NC_021160.1	Ca_kabuli_chr01	3086299	AA	GG	1940126577
SNP_P1_1967_3086434	NC_021160.1	Ca_kabuli_chr01	3086434	AA	TT	1940126578
SNP_P1_1969_3087411	NC_021160.1	Ca_kabuli_chr01	3087411	TT	AA	1940126579
SNP_P1_1970_3087579	NC_021160.1	Ca_kabuli_chr01	3087579	GG	TT	1940126580
SNP_P1_1971_3087656	NC_021160.1	Ca_kabuli_chr01	3087656	AA	GG	1940126582
SNP_P1_1972_3087820	NC_021160.1	Ca_kabuli_chr01	3087820	GG	TT	1940126583
SNP_P1_1973_3088072	NC_021160.1	Ca_kabuli_chr01	3088072	TT	AA	1940126584
SNP_P1_1974_3088219	NC_021160.1	Ca_kabuli_chr01	3088219	AA	CC	1940126585
SNP_P1_1975_3088241	NC_021160.1	Ca_kabuli_chr01	3088241	GG	AA	1940126586
SNP_P1_1976_3088242	NC_021160.1	Ca_kabuli_chr01	3088242	TT	AA	1940126587
SNP_P1_1978_3088669	NC_021160.1	Ca_kabuli_chr01	3088669	GG	CC	1940126588
SNP_P1_1979_3088749	NC_021160.1	Ca_kabuli_chr01	3088749	TT	GG	1940126589
SNP_P1_1980_3088814	NC_021160.1	Ca_kabuli_chr01	3088814	GG	CC	1940126590
SNP_P1_1981_3089223	NC_021160.1	Ca_kabuli_chr01	3089223	AA	TT	1940126591
SNP_P1_1983_3089583	NC_021160.1	Ca_kabuli_chr01	3089583	GG	AA	1940126592
SNP_P1_1984_3089625	NC_021160.1	Ca_kabuli_chr01	3089625	AA	CC	1940126593
SNP_P1_1985_3089767	NC_021160.1	Ca_kabuli_chr01	3089767	TT	CC	1940126594
SNP_P1_1986_3090909	NC_021160.1	Ca_kabuli_chr01	3090909	AA	CC	1940126595
SNP_P1_1987_3091178	NC_021160.1	Ca_kabuli_chr01	3091178	GG	TT	1940126596
SNP_P1_1988_3091639	NC_021160.1	Ca_kabuli_chr01	3091639	CC	GG	1940126597
SNP_P1_1989_3091935	NC_021160.1	Ca_kabuli_chr01	3091935	AA	GG	1940126598
SNP_P1_1990_3093791	NC_021160.1	Ca_kabuli_chr01	3093791	TT	AA	1940126599
SNP_P1_1991_3094072	NC_021160.1	Ca_kabuli_chr01	3094072	AA	GG	1940126600
SNP_P1_1992_3094096	NC_021160.1	Ca_kabuli_chr01	3094096	CC	TT	1940126601
SNP_P1_1993_3094131	NC_021160.1	Ca_kabuli_chr01	3094131	AA	CC	1940126602
SNP_P1_1994_3094326	NC_021160.1	Ca_kabuli_chr01	3094326	AA	TT	1940126603
SNP_P1_1995_3094328	NC_021160.1	Ca_kabuli_chr01	3094328	AA	TT	1940126604
SNP_P1_1996_3094329	NC_021160.1	Ca_kabuli_chr01	3094329	AA	TT	1940126605
SNP_P1_1998_3094641	NC_021160.1	Ca_kabuli_chr01	3094641	AA	GG	1940126606
SNP_P1_1999_3096336	NC_021160.1	Ca_kabuli_chr01	3096336	GG	AA	1940126607
SNP_P1_2000_3096451	NC_021160.1	Ca_kabuli_chr01	3096451	AA	TT	1940126608
SNP_P1_2001_3096919	NC_021160.1	Ca_kabuli_chr01	3096919	TT	CC	1940126609
SNP_P1_2002_3096921	NC_021160.1	Ca_kabuli_chr01	3096921	AA	GG	1940126610
SNP_P1_2004_3097173	NC_021160.1	Ca_kabuli_chr01	3097173	CC	TT	1940126611
SNP_P1_2005_3099168	NC_021160.1	Ca_kabuli_chr01	3099168	CC	TT	1940126612
SNP_P1_2006_3099180	NC_021160.1	Ca_kabuli_chr01	3099180	GG	AA	1940126613
SNP_P1_2008_3100100	NC_021160.1	Ca_kabuli_chr01	3100100	CC	GG	1940126614
SNP_P1_2009_3100353	NC_021160.1	Ca_kabuli_chr01	3100353	AA	GG	1940126615
SNP_P1_2010_3100382	NC_021160.1	Ca_kabuli_chr01	3100382	CC	GG	1940126616

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_2011_3100514	NC_021160.1	Ca_kabuli_chr01	3100514	TT	GG	1940126617
SNP_P1_2012_3100557	NC_021160.1	Ca_kabuli_chr01	3100557	CC	TT	1940126618
SNP_P1_2013_3100852	NC_021160.1	Ca_kabuli_chr01	3100852	GG	AA	1940126619
SNP_P1_2014_3102387	NC_021160.1	Ca_kabuli_chr01	3102387	CC	TT	1940126620
SNP_P1_2015_3102705	NC_021160.1	Ca_kabuli_chr01	3102705	AA	GG	1940126621
SNP_P1_2017_3104630	NC_021160.1	Ca_kabuli_chr01	3104630	GG	TT	1940126622
SNP_P1_2018_3104659	NC_021160.1	Ca_kabuli_chr01	3104659	CC	AA	1940126623
SNP_P1_2019_3107490	NC_021160.1	Ca_kabuli_chr01	3107490	CC	AA	1940126624
SNP_P1_2022_3108963	NC_021160.1	Ca_kabuli_chr01	3108963	AA	GG	1940126625
SNP_P1_2024_3110195	NC_021160.1	Ca_kabuli_chr01	3110195	GG	AA	1940126626
SNP_P1_2025_3111069	NC_021160.1	Ca_kabuli_chr01	3111069	CC	AA	1940126627
SNP_P1_2026_3111387	NC_021160.1	Ca_kabuli_chr01	3111387	TT	CC	1940126628
SNP_P1_2028_3111449	NC_021160.1	Ca_kabuli_chr01	3111449	AA	TT	1940126629
SNP_P1_2029_3112184	NC_021160.1	Ca_kabuli_chr01	3112184	AA	GG	1940126630
SNP_P1_2030_3112195	NC_021160.1	Ca_kabuli_chr01	3112195	GG	AA	1940126631
SNP_P1_2031_3112244	NC_021160.1	Ca_kabuli_chr01	3112244	TT	CC	1940126632
SNP_P1_2032_3112309	NC_021160.1	Ca_kabuli_chr01	3112309	AA	CC	1940126633
SNP_P1_2035_3112477	NC_021160.1	Ca_kabuli_chr01	3112477	GG	AA	1940126634
SNP_P1_2036_3112624	NC_021160.1	Ca_kabuli_chr01	3112624	TT	CC	1940126635
SNP_P1_2037_3112920	NC_021160.1	Ca_kabuli_chr01	3112920	AA	GG	1940128669
SNP_P1_2038_3113032	NC_021160.1	Ca_kabuli_chr01	3113032	GG	AA	1940128670
SNP_P1_2039_3113081	NC_021160.1	Ca_kabuli_chr01	3113081	GG	TT	1940128671
SNP_P1_2040_3113477	NC_021160.1	Ca_kabuli_chr01	3113477	TT	AA	1940128672
SNP_P1_2041_3113534	NC_021160.1	Ca_kabuli_chr01	3113534	GG	AA	1940128673
SNP_P1_2044_3117181	NC_021160.1	Ca_kabuli_chr01	3117181	TT	CC	1940128674
SNP_P1_2045_3117200	NC_021160.1	Ca_kabuli_chr01	3117200	TT	CC	1940128675
SNP_P1_2046_3119300	NC_021160.1	Ca_kabuli_chr01	3119300	GG	TT	1940128676
SNP_P1_2047_3119359	NC_021160.1	Ca_kabuli_chr01	3119359	CC	TT	1940128677
SNP_P1_2048_3119612	NC_021160.1	Ca_kabuli_chr01	3119612	GG	AA	1940128678
SNP_P1_2050_3119892	NC_021160.1	Ca_kabuli_chr01	3119892	GG	AA	1940128679
SNP_P1_2051_3120296	NC_021160.1	Ca_kabuli_chr01	3120296	AA	TT	1940128680
SNP_P1_2052_3120329	NC_021160.1	Ca_kabuli_chr01	3120329	AA	GG	1940128681
SNP_P1_2053_3120596	NC_021160.1	Ca_kabuli_chr01	3120596	TT	AA	1940128682
SNP_P1_2054_3121043	NC_021160.1	Ca_kabuli_chr01	3121043	GG	AA	1940128683
SNP_P1_2055_3124065	NC_021160.1	Ca_kabuli_chr01	3124065	AA	GG	1940128684
SNP_P1_2056_3124087	NC_021160.1	Ca_kabuli_chr01	3124087	TT	CC	1940128685
SNP_P1_2057_3124133	NC_021160.1	Ca_kabuli_chr01	3124133	CC	GG	1940128686
SNP_P1_2058_3124284	NC_021160.1	Ca_kabuli_chr01	3124284	TT	CC	1940128687
SNP_P1_2059_3125080	NC_021160.1	Ca_kabuli_chr01	3125080	TT	CC	1940128688
SNP_P1_2060_3125259	NC_021160.1	Ca_kabuli_chr01	3125259	CC	TT	1940128689
SNP_P1_2062_3126793	NC_021160.1	Ca_kabuli_chr01	3126793	CC	AA	1940128690
SNP_P1_2063_3126940	NC_021160.1	Ca_kabuli_chr01	3126940	TT	AA	1940128691

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_2064_3127704	NC_021160.1	Ca_kabuli_chr01	3127704	AA	GG	1940128692
SNP_P1_2065_3127710	NC_021160.1	Ca_kabuli_chr01	3127710	CC	TT	1940128693
SNP_P1_2066_3127711	NC_021160.1	Ca_kabuli_chr01	3127711	TT	CC	1940128694
SNP_P1_2067_3127735	NC_021160.1	Ca_kabuli_chr01	3127735	TT	CC	1940128695
SNP_P1_2068_3127761	NC_021160.1	Ca_kabuli_chr01	3127761	GG	AA	1940128696
SNP_P1_2069_3128593	NC_021160.1	Ca_kabuli_chr01	3128593	CC	GG	1940128697
SNP_P1_2070_3128969	NC_021160.1	Ca_kabuli_chr01	3128969	GG	TT	1940128698
SNP_P1_2071_3128972	NC_021160.1	Ca_kabuli_chr01	3128972	AA	TT	1940128699
SNP_P1_2072_3129217	NC_021160.1	Ca_kabuli_chr01	3129217	AA	GG	1940128700
SNP_P1_2073_3129496	NC_021160.1	Ca_kabuli_chr01	3129496	TT	AA	1940128701
SNP_P1_2074_3130134	NC_021160.1	Ca_kabuli_chr01	3130134	CC	TT	1940128702
SNP_P1_2075_3130915	NC_021160.1	Ca_kabuli_chr01	3130915	GG	AA	1940128703
SNP_P1_2077_3131597	NC_021160.1	Ca_kabuli_chr01	3131597	AA	GG	1940128704
SNP_P1_2078_3131833	NC_021160.1	Ca_kabuli_chr01	3131833	GG	TT	1940128705
SNP_P1_2079_3131853	NC_021160.1	Ca_kabuli_chr01	3131853	CC	AA	1940128706
SNP_P1_2080_3131902	NC_021160.1	Ca_kabuli_chr01	3131902	AA	TT	1940128707
SNP_P1_2081_3131921	NC_021160.1	Ca_kabuli_chr01	3131921	GG	AA	1940128708
SNP_P1_2082_3132163	NC_021160.1	Ca_kabuli_chr01	3132163	CC	TT	1940128709
SNP_P1_2083_3132518	NC_021160.1	Ca_kabuli_chr01	3132518	GG	AA	1940128710
SNP_P1_2084_3132720	NC_021160.1	Ca_kabuli_chr01	3132720	CC	TT	1940128711
SNP_P1_2085_3132980	NC_021160.1	Ca_kabuli_chr01	3132980	TT	AA	1940128712
SNP_P1_2086_3133065	NC_021160.1	Ca_kabuli_chr01	3133065	CC	TT	1940128713
SNP_P1_2087_3133394	NC_021160.1	Ca_kabuli_chr01	3133394	GG	TT	1940128714
SNP_P1_2088_3133930	NC_021160.1	Ca_kabuli_chr01	3133930	AA	CC	1940128715
SNP_P1_2089_3133931	NC_021160.1	Ca_kabuli_chr01	3133931	GG	AA	1940128716
SNP_P1_2091_3134625	NC_021160.1	Ca_kabuli_chr01	3134625	CC	TT	1940128717
SNP_P1_2092_3135964	NC_021160.1	Ca_kabuli_chr01	3135964	GG	AA	1940128718
SNP_P1_2093_3136096	NC_021160.1	Ca_kabuli_chr01	3136096	TT	GG	1940128719
SNP_P1_2094_3136229	NC_021160.1	Ca_kabuli_chr01	3136229	GG	TT	1940128720
SNP_P1_2095_3137051	NC_021160.1	Ca_kabuli_chr01	3137051	CC	TT	1940128721
SNP_P1_2096_3137080	NC_021160.1	Ca_kabuli_chr01	3137080	TT	CC	1940128723
SNP_P1_2097_3138472	NC_021160.1	Ca_kabuli_chr01	3138472	GG	CC	1940128724
SNP_P1_2098_3138483	NC_021160.1	Ca_kabuli_chr01	3138483	AA	GG	1940128725
SNP_P1_2099_3138523	NC_021160.1	Ca_kabuli_chr01	3138523	AA	TT	1940128726
SNP_P1_2100_3138524	NC_021160.1	Ca_kabuli_chr01	3138524	AA	TT	1940128727
SNP_P1_2101_3138525	NC_021160.1	Ca_kabuli_chr01	3138525	AA	TT	1940128728
SNP_P1_2102_3141132	NC_021160.1	Ca_kabuli_chr01	3141132	AA	GG	1940128729
SNP_P1_2103_3141151	NC_021160.1	Ca_kabuli_chr01	3141151	TT	AA	1940128730
SNP_P1_2105_3148684	NC_021160.1	Ca_kabuli_chr01	3148684	TT	CC	1940128731
SNP_P1_2106_3148858	NC_021160.1	Ca_kabuli_chr01	3148858	GG	AA	1940128732
SNP_P1_2107_3149554	NC_021160.1	Ca_kabuli_chr01	3149554	TT	CC	1940128733
SNP_P1_2108_3150177	NC_021160.1	Ca_kabuli_chr01	3150177	TT	GG	1940128734

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_2109_3150178	NC_021160.1	Ca_kabuli_chr01	3150178	TT	GG	1940128735
SNP_P1_2110_3150341	NC_021160.1	Ca_kabuli_chr01	3150341	TT	CC	1940128736
SNP_P1_2111_3150356	NC_021160.1	Ca_kabuli_chr01	3150356	GG	AA	1940128737
SNP_P1_2112_3150360	NC_021160.1	Ca_kabuli_chr01	3150360	GG	AA	1940128738
SNP_P1_2113_3150362	NC_021160.1	Ca_kabuli_chr01	3150362	CC	TT	1940128739
SNP_P1_2114_3150381	NC_021160.1	Ca_kabuli_chr01	3150381	TT	GG	1940128740
SNP_P1_2115_3150386	NC_021160.1	Ca_kabuli_chr01	3150386	TT	GG	1940128741
SNP_P1_2116_3150568	NC_021160.1	Ca_kabuli_chr01	3150568	TT	CC	1940128742
SNP_P1_2117_3150611	NC_021160.1	Ca_kabuli_chr01	3150611	GG	AA	1940128743
SNP_P1_2118_3150639	NC_021160.1	Ca_kabuli_chr01	3150639	TT	AA	1940128744
SNP_P1_2119_3150664	NC_021160.1	Ca_kabuli_chr01	3150664	CC	TT	1940128745
SNP_P1_2120_3150683	NC_021160.1	Ca_kabuli_chr01	3150683	AA	TT	1940128746
SNP_P1_2121_3150707	NC_021160.1	Ca_kabuli_chr01	3150707	AA	TT	1940128747
SNP_P1_2123_3151007	NC_021160.1	Ca_kabuli_chr01	3151007	AA	GG	1940128748
SNP_P1_2124_3152327	NC_021160.1	Ca_kabuli_chr01	3152327	AA	GG	1940128749
SNP_P1_2125_3153130	NC_021160.1	Ca_kabuli_chr01	3153130	AA	GG	1940128750
SNP_P1_2126_3153144	NC_021160.1	Ca_kabuli_chr01	3153144	CC	TT	1940128751
SNP_P1_2127_3153199	NC_021160.1	Ca_kabuli_chr01	3153199	GG	CC	1940128752
SNP_P1_2128_3153321	NC_021160.1	Ca_kabuli_chr01	3153321	GG	TT	1940128753
SNP_P1_2129_3153776	NC_021160.1	Ca_kabuli_chr01	3153776	GG	TT	1940128754
SNP_P1_2130_3153790	NC_021160.1	Ca_kabuli_chr01	3153790	AA	GG	1940128755
SNP_P1_2131_3153944	NC_021160.1	Ca_kabuli_chr01	3153944	AA	GG	1940128756
SNP_P1_2132_3153957	NC_021160.1	Ca_kabuli_chr01	3153957	TT	AA	1940128757
SNP_P1_2133_3156732	NC_021160.1	Ca_kabuli_chr01	3156732	TT	AA	1940128758
SNP_P1_2135_3156813	NC_021160.1	Ca_kabuli_chr01	3156813	GG	AA	1940128759
SNP_P1_2137_3157110	NC_021160.1	Ca_kabuli_chr01	3157110	CC	TT	1940128760
SNP_P1_2138_3157116	NC_021160.1	Ca_kabuli_chr01	3157116	CC	TT	1940128761
SNP_P1_2139_3157169	NC_021160.1	Ca_kabuli_chr01	3157169	AA	GG	1940128762
SNP_P1_2140_3160427	NC_021160.1	Ca_kabuli_chr01	3160427	AA	CC	1940128763
SNP_P1_2141_3165674	NC_021160.1	Ca_kabuli_chr01	3165674	CC	AA	1940128764
SNP_P1_2142_3173569	NC_021160.1	Ca_kabuli_chr01	3173569	AA	GG	1940128765
SNP_P1_2144_3206268	NC_021160.1	Ca_kabuli_chr01	3206268	AA	GG	1940128766
SNP_P1_2145_3206317	NC_021160.1	Ca_kabuli_chr01	3206317	TT	CC	1940128767
SNP_P1_2146_3211137	NC_021160.1	Ca_kabuli_chr01	3211137	TT	GG	1940128768
SNP_P1_2148_3223206	NC_021160.1	Ca_kabuli_chr01	3223206	TT	CC	1940128769
SNP_P1_2149_3234340	NC_021160.1	Ca_kabuli_chr01	3234340	TT	AA	1940128770
SNP_P1_2150_3238176	NC_021160.1	Ca_kabuli_chr01	3238176	CC	TT	1940128771
SNP_P1_2151_3255353	NC_021160.1	Ca_kabuli_chr01	3255353	CC	GG	1940128772
SNP_P1_2152_3262562	NC_021160.1	Ca_kabuli_chr01	3262562	AA	TT	1940128773
SNP_P1_2153_3279455	NC_021160.1	Ca_kabuli_chr01	3279455	GG	AA	1940128774
SNP_P1_2155_3289615	NC_021160.1	Ca_kabuli_chr01	3289615	AA	TT	1940128775
SNP_P1_2156_3289718	NC_021160.1	Ca_kabuli_chr01	3289718	TT	GG	1940128777

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_2157_3289719	NC_021160.1	Ca_kabuli_chr01	3289719	AA	TT	1940128778
SNP_P1_2159_3314037	NC_021160.1	Ca_kabuli_chr01	3314037	CC	GG	1940128779
SNP_P1_2160_3314071	NC_021160.1	Ca_kabuli_chr01	3314071	GG	TT	1940128780
SNP_P1_2161_3319400	NC_021160.1	Ca_kabuli_chr01	3319400	AA	TT	1940128781
SNP_P1_2162_3324490	NC_021160.1	Ca_kabuli_chr01	3324490	AA	GG	1940128782
SNP_P1_2163_3355199	NC_021160.1	Ca_kabuli_chr01	3355199	TT	AA	1940128783
SNP_P1_2164_3355203	NC_021160.1	Ca_kabuli_chr01	3355203	AA	TT	1940128784
SNP_P1_2165_3355472	NC_021160.1	Ca_kabuli_chr01	3355472	CC	GG	1940128785
SNP_P1_2166_3355891	NC_021160.1	Ca_kabuli_chr01	3355891	AA	CC	1940128786
SNP_P1_2167_3367513	NC_021160.1	Ca_kabuli_chr01	3367513	GG	CC	1940128787
SNP_P1_2168_3374692	NC_021160.1	Ca_kabuli_chr01	3374692	AA	TT	1940128788
SNP_P1_2169_3378072	NC_021160.1	Ca_kabuli_chr01	3378072	GG	TT	1940128789
SNP_P1_2170_3380542	NC_021160.1	Ca_kabuli_chr01	3380542	CC	GG	1940128790
SNP_P1_2171_3384814	NC_021160.1	Ca_kabuli_chr01	3384814	CC	TT	1940128791
SNP_P1_2173_3398007	NC_021160.1	Ca_kabuli_chr01	3398007	CC	TT	1940128792
SNP_P1_2175_3417467	NC_021160.1	Ca_kabuli_chr01	3417467	AA	GG	1940128793
SNP_P1_2176_3456506	NC_021160.1	Ca_kabuli_chr01	3456506	TT	CC	1940128794
SNP_P1_2177_3456582	NC_021160.1	Ca_kabuli_chr01	3456582	TT	CC	1940128795
SNP_P1_2178_3456589	NC_021160.1	Ca_kabuli_chr01	3456589	TT	CC	1940128796
SNP_P1_2179_3456839	NC_021160.1	Ca_kabuli_chr01	3456839	GG	TT	1940128797
SNP_P1_2180_3479780	NC_021160.1	Ca_kabuli_chr01	3479780	TT	AA	1940128798
SNP_P1_2181_3518649	NC_021160.1	Ca_kabuli_chr01	3518649	GG	AA	1940128799
SNP_P1_2182_3518891	NC_021160.1	Ca_kabuli_chr01	3518891	GG	CC	1940128800
SNP_P1_2183_3529016	NC_021160.1	Ca_kabuli_chr01	3529016	CC	GG	1940128801
SNP_P1_2185_3568570	NC_021160.1	Ca_kabuli_chr01	3568570	GG	AA	1940128802
SNP_P1_2186_3577102	NC_021160.1	Ca_kabuli_chr01	3577102	CC	TT	1940128803
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SNP_P1_2189_3601326	NC_021160.1	Ca_kabuli_chr01	3601326	AA	TT	1940128806
SNP_P1_2190_3629038	NC_021160.1	Ca_kabuli_chr01	3629038	AA	GG	1940128807
SNP_P1_2191_3646261	NC_021160.1	Ca_kabuli_chr01	3646261	GG	CC	1940128808
SNP_P1_2192_3660866	NC_021160.1	Ca_kabuli_chr01	3660866	CC	TT	1940128809
SNP_P1_2193_3665790	NC_021160.1	Ca_kabuli_chr01	3665790	AA	GG	1940128810
SNP_P1_2194_3665792	NC_021160.1	Ca_kabuli_chr01	3665792	TT	GG	1940128811
SNP_P1_2195_3667876	NC_021160.1	Ca_kabuli_chr01	3667876	TT	CC	1940128812
SNP_P1_2196_3683715	NC_021160.1	Ca_kabuli_chr01	3683715	AA	TT	1940128813
SNP_P1_2197_3708953	NC_021160.1	Ca_kabuli_chr01	3708953	TT	CC	1940128814
SNP_P1_2198_3713673	NC_021160.1	Ca_kabuli_chr01	3713673	TT	CC	1940128815
SNP_P1_2199_3717505	NC_021160.1	Ca_kabuli_chr01	3717505	AA	TT	1940128816
SNP_P1_2200_3717534	NC_021160.1	Ca_kabuli_chr01	3717534	CC	AA	1940128817
SNP_P1_2202_3754942	NC_021160.1	Ca_kabuli_chr01	3754942	CC	TT	1940128818
SNP_P1_2203_3754974	NC_021160.1	Ca_kabuli_chr01	3754974	CC	AA	1940128819

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2205_3754989	NC_021160.1	Ca_kabuli_chr01	3754989	CC	AA	1940128821
SNP_P1_2206_3758069	NC_021160.1	Ca_kabuli_chr01	3758069	CC	TT	1940128822
SNP_P1_2207_3758370	NC_021160.1	Ca_kabuli_chr01	3758370	GG	TT	1940128823
SNP_P1_2208_3758532	NC_021160.1	Ca_kabuli_chr01	3758532	GG	AA	1940128824
SNP_P1_2209_3758548	NC_021160.1	Ca_kabuli_chr01	3758548	TT	CC	1940128825
SNP_P1_2210_3767822	NC_021160.1	Ca_kabuli_chr01	3767822	GG	AA	1940128826
SNP_P1_2211_3767882	NC_021160.1	Ca_kabuli_chr01	3767882	TT	CC	1940128827
SNP_P1_2212_3769569	NC_021160.1	Ca_kabuli_chr01	3769569	GG	AA	1940128828
SNP_P1_2213_3770057	NC_021160.1	Ca_kabuli_chr01	3770057	GG	CC	1940128830
SNP_P1_2215_3782047	NC_021160.1	Ca_kabuli_chr01	3782047	GG	TT	1940128831
SNP_P1_2216_3782556	NC_021160.1	Ca_kabuli_chr01	3782556	GG	TT	1940128832
SNP_P1_2217_3783144	NC_021160.1	Ca_kabuli_chr01	3783144	AA	CC	1940128833
SNP_P1_2219_3783527	NC_021160.1	Ca_kabuli_chr01	3783527	TT	AA	1940128834
SNP_P1_2220_3783612	NC_021160.1	Ca_kabuli_chr01	3783612	AA	CC	1940128835
SNP_P1_2222_3783646	NC_021160.1	Ca_kabuli_chr01	3783646	GG	TT	1940128836
SNP_P1_2224_3790862	NC_021160.1	Ca_kabuli_chr01	3790862	GG	AA	1940128837
SNP_P1_2225_3795023	NC_021160.1	Ca_kabuli_chr01	3795023	AA	TT	1940128838
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SNP_P1_2227_3828605	NC_021160.1	Ca_kabuli_chr01	3828605	TT	CC	1940128840
SNP_P1_2228_3836804	NC_021160.1	Ca_kabuli_chr01	3836804	TT	AA	1940128841
SNP_P1_2230_3865732	NC_021160.1	Ca_kabuli_chr01	3865732	TT	GG	1940128842
SNP_P1_2231_3866007	NC_021160.1	Ca_kabuli_chr01	3866007	GG	TT	1940128843
SNP_P1_2232_3866008	NC_021160.1	Ca_kabuli_chr01	3866008	AA	GG	1940128844
SNP_P1_2233_3867847	NC_021160.1	Ca_kabuli_chr01	3867847	TT	CC	1940128845
SNP_P1_2234_3869686	NC_021160.1	Ca_kabuli_chr01	3869686	CC	TT	1940128846
SNP_P1_2236_3879160	NC_021160.1	Ca_kabuli_chr01	3879160	CC	TT	1940128847
SNP_P1_2238_3966049	NC_021160.1	Ca_kabuli_chr01	3966049	CC	TT	1940128848
SNP_P1_2239_3990811	NC_021160.1	Ca_kabuli_chr01	3990811	TT	AA	1940128849
SNP_P1_2240_4007785	NC_021160.1	Ca_kabuli_chr01	4007785	TT	CC	1940128850
SNP_P1_2243_4047353	NC_021160.1	Ca_kabuli_chr01	4047353	GG	CC	1940128851
SNP_P1_2244_4053735	NC_021160.1	Ca_kabuli_chr01	4053735	GG	AA	1940128852
SNP_P1_2246_4053903	NC_021160.1	Ca_kabuli_chr01	4053903	AA	GG	1940128853
SNP_P1_2247_4053931	NC_021160.1	Ca_kabuli_chr01	4053931	GG	CC	1940128854
SNP_P1_2248_4053943	NC_021160.1	Ca_kabuli_chr01	4053943	AA	TT	1940128855
SNP_P1_2249_4060052	NC_021160.1	Ca_kabuli_chr01	4060052	AA	TT	1940128856
SNP_P1_2251_4115937	NC_021160.1	Ca_kabuli_chr01	4115937	GG	AA	1940128857
SNP_P1_2252_4119576	NC_021160.1	Ca_kabuli_chr01	4119576	TT	CC	1940128858
SNP_P1_2254_4156088	NC_021160.1	Ca_kabuli_chr01	4156088	AA	GG	1940128859
SNP_P1_2255_4156154	NC_021160.1	Ca_kabuli_chr01	4156154	TT	AA	1940128860
SNP_P1_2256_4157786	NC_021160.1	Ca_kabuli_chr01	4157786	TT	CC	1940128861
SNP_P1_2259_4158699	NC_021160.1	Ca_kabuli_chr01	4158699	CC	TT	1940128862

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2261_4159246	NC_021160.1	Ca_kabuli_chr01	4159246	TT	AA	1940128864
SNP_P1_2262_4159378	NC_021160.1	Ca_kabuli_chr01	4159378	TT	GG	1940128865
SNP_P1_2263_4159731	NC_021160.1	Ca_kabuli_chr01	4159731	AA	GG	1940128866
SNP_P1_2264_4160339	NC_021160.1	Ca_kabuli_chr01	4160339	GG	AA	1940128867
SNP_P1_2265_4160454	NC_021160.1	Ca_kabuli_chr01	4160454	TT	CC	1940128868
SNP_P1_2266_4164616	NC_021160.1	Ca_kabuli_chr01	4164616	TT	CC	1940128869
SNP_P1_2267_4168102	NC_021160.1	Ca_kabuli_chr01	4168102	AA	CC	1940128870
SNP_P1_2269_4172604	NC_021160.1	Ca_kabuli_chr01	4172604	CC	TT	1940128871
SNP_P1_2270_4173998	NC_021160.1	Ca_kabuli_chr01	4173998	AA	CC	1940128872
SNP_P1_2271_4190997	NC_021160.1	Ca_kabuli_chr01	4190997	GG	AA	1940128873
SNP_P1_2274_4215922	NC_021160.1	Ca_kabuli_chr01	4215922	AA	GG	1940128874
SNP_P1_2275_4216754	NC_021160.1	Ca_kabuli_chr01	4216754	GG	AA	1940128875
SNP_P1_2276_4218349	NC_021160.1	Ca_kabuli_chr01	4218349	CC	TT	1940128876
SNP_P1_2277_4219200	NC_021160.1	Ca_kabuli_chr01	4219200	TT	AA	1940128877
SNP_P1_2278_4228964	NC_021160.1	Ca_kabuli_chr01	4228964	GG	AA	1940128878
SNP_P1_2279_4229220	NC_021160.1	Ca_kabuli_chr01	4229220	CC	TT	1940128879
SNP_P1_2280_4229231	NC_021160.1	Ca_kabuli_chr01	4229231	CC	TT	1940128881
SNP_P1_2281_4229249	NC_021160.1	Ca_kabuli_chr01	4229249	CC	TT	1940128882
SNP_P1_2282_4229281	NC_021160.1	Ca_kabuli_chr01	4229281	TT	GG	1940128883
SNP_P1_2283_4229966	NC_021160.1	Ca_kabuli_chr01	4229966	TT	AA	1940128884
SNP_P1_2284_4230132	NC_021160.1	Ca_kabuli_chr01	4230132	GG	TT	1940128885
SNP_P1_2286_4234957	NC_021160.1	Ca_kabuli_chr01	4234957	TT	CC	1940128886
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SNP_P1_2290_4238119	NC_021160.1	Ca_kabuli_chr01	4238119	TT	AA	1940128890
SNP_P1_2291_4238485	NC_021160.1	Ca_kabuli_chr01	4238485	CC	GG	1940128891
SNP_P1_2292_4238546	NC_021160.1	Ca_kabuli_chr01	4238546	CC	GG	1940128892
SNP_P1_2293_4238772	NC_021160.1	Ca_kabuli_chr01	4238772	AA	GG	1940128893
SNP_P1_2295_4238798	NC_021160.1	Ca_kabuli_chr01	4238798	TT	AA	1940128894
SNP_P1_2296_4238849	NC_021160.1	Ca_kabuli_chr01	4238849	TT	CC	1940128895
SNP_P1_2297_4239110	NC_021160.1	Ca_kabuli_chr01	4239110	TT	CC	1940128896
SNP_P1_2298_4239573	NC_021160.1	Ca_kabuli_chr01	4239573	TT	CC	1940128897
SNP_P1_2299_4239638	NC_021160.1	Ca_kabuli_chr01	4239638	TT	CC	1940128898
SNP_P1_2300_4239825	NC_021160.1	Ca_kabuli_chr01	4239825	TT	CC	1940128899
SNP_P1_2301_4240106	NC_021160.1	Ca_kabuli_chr01	4240106	GG	AA	1940128900
SNP_P1_2302_4240131	NC_021160.1	Ca_kabuli_chr01	4240131	TT	CC	1940128901
SNP_P1_2303_4240196	NC_021160.1	Ca_kabuli_chr01	4240196	CC	TT	1940128902
SNP_P1_2304_4240236	NC_021160.1	Ca_kabuli_chr01	4240236	GG	AA	1940128903
SNP_P1_2305_4240259	NC_021160.1	Ca_kabuli_chr01	4240259	TT	CC	1940128904
SNP_P1_2306_4240299	NC_021160.1	Ca_kabuli_chr01	4240299	TT	CC	1940128905

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2308_4240695	NC_021160.1	Ca_kabuli_chr01	4240695	CC	TT	1940128907
SNP_P1_2309_4240943	NC_021160.1	Ca_kabuli_chr01	4240943	GG	TT	1940128908
SNP_P1_2311_4241084	NC_021160.1	Ca_kabuli_chr01	4241084	GG	AA	1940128909
SNP_P1_2312_4241099	NC_021160.1	Ca_kabuli_chr01	4241099	AA	GG	1940128910
SNP_P1_2313_4241155	NC_021160.1	Ca_kabuli_chr01	4241155	GG	TT	1940128911
SNP_P1_2314_4241204	NC_021160.1	Ca_kabuli_chr01	4241204	TT	CC	1940128912
SNP_P1_2315_4241334	NC_021160.1	Ca_kabuli_chr01	4241334	CC	TT	1940128913
SNP_P1_2316_4241567	NC_021160.1	Ca_kabuli_chr01	4241567	CC	TT	1940128914
SNP_P1_2317_4241570	NC_021160.1	Ca_kabuli_chr01	4241570	GG	AA	1940128915
SNP_P1_2318_4241572	NC_021160.1	Ca_kabuli_chr01	4241572	TT	CC	1940128916
SNP_P1_2320_4242903	NC_021160.1	Ca_kabuli_chr01	4242903	GG	CC	1940128917
SNP_P1_2321_4243162	NC_021160.1	Ca_kabuli_chr01	4243162	TT	AA	1940128918
SNP_P1_2322_4243384	NC_021160.1	Ca_kabuli_chr01	4243384	TT	CC	1940128919
SNP_P1_2323_4243387	NC_021160.1	Ca_kabuli_chr01	4243387	CC	TT	1940128920
SNP_P1_2324_4243815	NC_021160.1	Ca_kabuli_chr01	4243815	CC	TT	1940128921
SNP_P1_2325_4246715	NC_021160.1	Ca_kabuli_chr01	4246715	TT	AA	1940128922
SNP_P1_2327_4252781	NC_021160.1	Ca_kabuli_chr01	4252781	TT	AA	1940128923
SNP_P1_2328_4253345	NC_021160.1	Ca_kabuli_chr01	4253345	GG	AA	1940128924
SNP_P1_2329_4254627	NC_021160.1	Ca_kabuli_chr01	4254627	GG	AA	1940128925
SNP_P1_2330_4258081	NC_021160.1	Ca_kabuli_chr01	4258081	AA	GG	1940128926
SNP_P1_2331_4260535	NC_021160.1	Ca_kabuli_chr01	4260535	AA	GG	1940128927
SNP_P1_2332_4260563	NC_021160.1	Ca_kabuli_chr01	4260563	GG	AA	1940128928
SNP_P1_2333_4261651	NC_021160.1	Ca_kabuli_chr01	4261651	CC	TT	1940128929
SNP_P1_2335_4262358	NC_021160.1	Ca_kabuli_chr01	4262358	AA	GG	1940128930
SNP_P1_2336_4262374	NC_021160.1	Ca_kabuli_chr01	4262374	TT	CC	1940128931
SNP_P1_2337_4262482	NC_021160.1	Ca_kabuli_chr01	4262482	AA	GG	1940128932
SNP_P1_2338_4262562	NC_021160.1	Ca_kabuli_chr01	4262562	TT	CC	1940128934
SNP_P1_2339_4263100	NC_021160.1	Ca_kabuli_chr01	4263100	TT	CC	1940128935
SNP_P1_2340_4263101	NC_021160.1	Ca_kabuli_chr01	4263101	AA	TT	1940128936
SNP_P1_2341_4264040	NC_021160.1	Ca_kabuli_chr01	4264040	CC	TT	1940128937
SNP_P1_2342_4266057	NC_021160.1	Ca_kabuli_chr01	4266057	AA	GG	1940128938
SNP_P1_2343_4277958	NC_021160.1	Ca_kabuli_chr01	4277958	AA	GG	1940128939
SNP_P1_2346_4287878	NC_021160.1	Ca_kabuli_chr01	4287878	CC	GG	1940128940
SNP_P1_2347_4288598	NC_021160.1	Ca_kabuli_chr01	4288598	CC	AA	1940128941
SNP_P1_2348_4291926	NC_021160.1	Ca_kabuli_chr01	4291926	TT	CC	1940128942
SNP_P1_2349_4314640	NC_021160.1	Ca_kabuli_chr01	4314640	TT	CC	1940128943
SNP_P1_2351_4317878	NC_021160.1	Ca_kabuli_chr01	4317878	AA	TT	1940128944
SNP_P1_2352_4317897	NC_021160.1	Ca_kabuli_chr01	4317897	CC	TT	1940128945
SNP_P1_2353_4317899	NC_021160.1	Ca_kabuli_chr01	4317899	CC	TT	1940128946
SNP_P1_2354_4319980	NC_021160.1	Ca_kabuli_chr01	4319980	AA	TT	1940128947
SNP_P1_2356_4370230	NC_021160.1	Ca_kabuli_chr01	4370230	CC	TT	1940128948

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2358_4395942	NC_021160.1	Ca_kabuli_chr01	4395942	TT	CC	1940128950
SNP_P1_2359_4435015	NC_021160.1	Ca_kabuli_chr01	4435015	GG	CC	1940128951
SNP_P1_2360_4435104	NC_021160.1	Ca_kabuli_chr01	4435104	GG	AA	1940128952
SNP_P1_2361_4435290	NC_021160.1	Ca_kabuli_chr01	4435290	TT	CC	1940128953
SNP_P1_2362_4435322	NC_021160.1	Ca_kabuli_chr01	4435322	AA	GG	1940128954
SNP_P1_2365_4496773	NC_021160.1	Ca_kabuli_chr01	4496773	AA	CC	1940128955
SNP_P1_2366_4515392	NC_021160.1	Ca_kabuli_chr01	4515392	AA	GG	1940128956
SNP_P1_2367_4515753	NC_021160.1	Ca_kabuli_chr01	4515753	GG	AA	1940128957
SNP_P1_2368_4526202	NC_021160.1	Ca_kabuli_chr01	4526202	TT	CC	1940128958
SNP_P1_2369_4539412	NC_021160.1	Ca_kabuli_chr01	4539412	CC	TT	1940128959
SNP_P1_2370_4539424	NC_021160.1	Ca_kabuli_chr01	4539424	TT	CC	1940128960
SNP_P1_2371_4541430	NC_021160.1	Ca_kabuli_chr01	4541430	TT	GG	1940128961
SNP_P1_2375_4621872	NC_021160.1	Ca_kabuli_chr01	4621872	TT	CC	1940128962
SNP_P1_2376_4638007	NC_021160.1	Ca_kabuli_chr01	4638007	CC	GG	1940128963
SNP_P1_2378_4649591	NC_021160.1	Ca_kabuli_chr01	4649591	AA	GG	1940128964
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SNP_P1_2381_4684528	NC_021160.1	Ca_kabuli_chr01	4684528	AA	TT	1940128967
SNP_P1_2383_4700238	NC_021160.1	Ca_kabuli_chr01	4700238	AA	GG	1940128968
SNP_P1_2384_4710552	NC_021160.1	Ca_kabuli_chr01	4710552	GG	AA	1940128969
SNP_P1_2385_4712566	NC_021160.1	Ca_kabuli_chr01	4712566	AA	GG	1940128970
SNP_P1_2386_4712617	NC_021160.1	Ca_kabuli_chr01	4712617	GG	AA	1940128971
SNP_P1_2387_4712637	NC_021160.1	Ca_kabuli_chr01	4712637	TT	AA	1940128972
SNP_P1_2388_4712644	NC_021160.1	Ca_kabuli_chr01	4712644	AA	GG	1940128973
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SNP_P1_2390_4712954	NC_021160.1	Ca_kabuli_chr01	4712954	TT	CC	1940128975
SNP_P1_2391_4714094	NC_021160.1	Ca_kabuli_chr01	4714094	GG	TT	1940128976
SNP_P1_2392_4714299	NC_021160.1	Ca_kabuli_chr01	4714299	AA	TT	1940128977
SNP_P1_2393_4714317	NC_021160.1	Ca_kabuli_chr01	4714317	CC	AA	1940128978
SNP_P1_2395_4714701	NC_021160.1	Ca_kabuli_chr01	4714701	GG	CC	1940128979
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SNP_P1_2398_4716136	NC_021160.1	Ca_kabuli_chr01	4716136	TT	CC	1940128982
SNP_P1_2399_4718350	NC_021160.1	Ca_kabuli_chr01	4718350	CC	AA	1940128983
SNP_P1_2400_4718359	NC_021160.1	Ca_kabuli_chr01	4718359	GG	AA	1940128984
SNP_P1_2401_4718385	NC_021160.1	Ca_kabuli_chr01	4718385	GG	TT	1940128985
SNP_P1_2402_4719335	NC_021160.1	Ca_kabuli_chr01	4719335	GG	TT	1940128986
SNP_P1_2403_4719711	NC_021160.1	Ca_kabuli_chr01	4719711	GG	AA	1940128987
SNP_P1_2404_4719871	NC_021160.1	Ca_kabuli_chr01	4719871	CC	GG	1940128989
SNP_P1_2406_4721544	NC_021160.1	Ca_kabuli_chr01	4721544	AA	TT	1940128990
SNP_P1_2407_4721593	NC_021160.1	Ca_kabuli_chr01	4721593	CC	AA	1940128991

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2409_4721976	NC_021160.1	Ca_kabuli_chr01	4721976	AA	GG	1940128993
SNP_P1_2410_4722030	NC_021160.1	Ca_kabuli_chr01	4722030	GG	AA	1940128994
SNP_P1_2411_4722813	NC_021160.1	Ca_kabuli_chr01	4722813	GG	AA	1940128995
SNP_P1_2412_4722850	NC_021160.1	Ca_kabuli_chr01	4722850	AA	GG	1940128996
SNP_P1_2413_4722855	NC_021160.1	Ca_kabuli_chr01	4722855	TT	CC	1940128997
SNP_P1_2414_4723311	NC_021160.1	Ca_kabuli_chr01	4723311	CC	TT	1940128998
SNP_P1_2415_4723367	NC_021160.1	Ca_kabuli_chr01	4723367	AA	GG	1940128999
SNP_P1_2416_4723434	NC_021160.1	Ca_kabuli_chr01	4723434	AA	TT	1940129000
SNP_P1_2417_4724009	NC_021160.1	Ca_kabuli_chr01	4724009	GG	TT	1940129001
SNP_P1_2418_4724011	NC_021160.1	Ca_kabuli_chr01	4724011	GG	CC	1940129002
SNP_P1_2419_4728800	NC_021160.1	Ca_kabuli_chr01	4728800	AA	GG	1940129003
SNP_P1_2421_4738116	NC_021160.1	Ca_kabuli_chr01	4738116	TT	AA	1940129004
SNP_P1_2423_4743825	NC_021160.1	Ca_kabuli_chr01	4743825	AA	GG	1940129005
SNP_P1_2424_4746953	NC_021160.1	Ca_kabuli_chr01	4746953	TT	AA	1940129006
SNP_P1_2425_4772934	NC_021160.1	Ca_kabuli_chr01	4772934	TT	CC	1940129007
SNP_P1_2426_4784330	NC_021160.1	Ca_kabuli_chr01	4784330	CC	TT	1940129008
SNP_P1_2427_4784680	NC_021160.1	Ca_kabuli_chr01	4784680	CC	AA	1940129009
SNP_P1_2428_4819295	NC_021160.1	Ca_kabuli_chr01	4819295	GG	AA	1940129010
SNP_P1_2429_4822810	NC_021160.1	Ca_kabuli_chr01	4822810	TT	AA	1940129011
SNP_P1_2431_4842606	NC_021160.1	Ca_kabuli_chr01	4842606	GG	AA	1940129012
SNP_P1_2432_4858476	NC_021160.1	Ca_kabuli_chr01	4858476	GG	CC	1940129013
SNP_P1_2433_4870206	NC_021160.1	Ca_kabuli_chr01	4870206	TT	AA	1940129014
SNP_P1_2434_4896291	NC_021160.1	Ca_kabuli_chr01	4896291	AA	GG	1940129015
SNP_P1_2435_4896756	NC_021160.1	Ca_kabuli_chr01	4896756	TT	CC	1940129016
SNP_P1_2436_4900334	NC_021160.1	Ca_kabuli_chr01	4900334	AA	CC	1940129017
SNP_P1_2437_4900659	NC_021160.1	Ca_kabuli_chr01	4900659	AA	GG	1940129018
SNP_P1_2438_4900697	NC_021160.1	Ca_kabuli_chr01	4900697	CC	TT	1940129019
SNP_P1_2439_4900727	NC_021160.1	Ca_kabuli_chr01	4900727	CC	TT	1940129020
SNP_P1_2440_4906248	NC_021160.1	Ca_kabuli_chr01	4906248	TT	CC	1940129021
SNP_P1_2441_4906252	NC_021160.1	Ca_kabuli_chr01	4906252	GG	CC	1940129022
SNP_P1_2442_4906531	NC_021160.1	Ca_kabuli_chr01	4906531	AA	GG	1940129023
SNP_P1_2443_4906532	NC_021160.1	Ca_kabuli_chr01	4906532	GG	CC	1940129024
SNP_P1_2444_4908563	NC_021160.1	Ca_kabuli_chr01	4908563	CC	TT	1940129025
SNP_P1_2445_4908884	NC_021160.1	Ca_kabuli_chr01	4908884	CC	TT	1940129026
SNP_P1_2446_4929240	NC_021160.1	Ca_kabuli_chr01	4929240	CC	TT	1940129027
SNP_P1_2447_4929280	NC_021160.1	Ca_kabuli_chr01	4929280	CC	TT	1940129028
SNP_P1_2450_4933963	NC_021160.1	Ca_kabuli_chr01	4933963	CC	GG	1940129029
SNP_P1_2451_4933982	NC_021160.1	Ca_kabuli_chr01	4933982	CC	GG	1940129030
SNP_P1_2452_4933983	NC_021160.1	Ca_kabuli_chr01	4933983	CC	GG	1940129031
SNP_P1_2453_4934187	NC_021160.1	Ca_kabuli_chr01	4934187	AA	GG	1940129032
SNP_P1_2454_4934210	NC_021160.1	Ca_kabuli_chr01	4934210	TT	GG	1940129033

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2458_4935017	NC_021160.1	Ca_kabuli_chr01	4935017	GG	TT	1940129036
SNP_P1_2460_4968125	NC_021160.1	Ca_kabuli_chr01	4968125	CC	TT	1940129037
SNP_P1_2461_4975362	NC_021160.1	Ca_kabuli_chr01	4975362	AA	TT	1940129038
SNP_P1_2462_4981314	NC_021160.1	Ca_kabuli_chr01	4981314	TT	CC	1940129039
SNP_P1_2463_4983120	NC_021160.1	Ca_kabuli_chr01	4983120	TT	AA	1940129040
SNP_P1_2464_5001640	NC_021160.1	Ca_kabuli_chr01	5001640	AA	TT	1940129041
SNP_P1_2465_5001644	NC_021160.1	Ca_kabuli_chr01	5001644	TT	GG	1940129042
SNP_P1_2466_5013864	NC_021160.1	Ca_kabuli_chr01	5013864	TT	CC	1940129043
SNP_P1_2467_5013913	NC_021160.1	Ca_kabuli_chr01	5013913	CC	GG	1940129045
SNP_P1_2468_5014284	NC_021160.1	Ca_kabuli_chr01	5014284	TT	CC	1940129046
SNP_P1_2469_5024400	NC_021160.1	Ca_kabuli_chr01	5024400	TT	CC	1940129047
SNP_P1_2470_5026204	NC_021160.1	Ca_kabuli_chr01	5026204	AA	GG	1940129048
SNP_P1_2471_5031346	NC_021160.1	Ca_kabuli_chr01	5031346	TT	AA	1940129049
SNP_P1_2472_5031347	NC_021160.1	Ca_kabuli_chr01	5031347	CC	AA	1940129050
SNP_P1_2473_5031348	NC_021160.1	Ca_kabuli_chr01	5031348	CC	AA	1940129051
SNP_P1_2474_5040390	NC_021160.1	Ca_kabuli_chr01	5040390	AA	CC	1940129052
SNP_P1_2475_5040401	NC_021160.1	Ca_kabuli_chr01	5040401	AA	GG	1940129053
SNP_P1_2476_5040408	NC_021160.1	Ca_kabuli_chr01	5040408	CC	TT	1940129054
SNP_P1_2477_5040537	NC_021160.1	Ca_kabuli_chr01	5040537	TT	CC	1940129055
SNP_P1_2478_5040699	NC_021160.1	Ca_kabuli_chr01	5040699	GG	CC	1940129056
SNP_P1_2479_5040706	NC_021160.1	Ca_kabuli_chr01	5040706	CC	TT	1940129057
SNP_P1_2480_5040725	NC_021160.1	Ca_kabuli_chr01	5040725	GG	AA	1940129058
SNP_P1_2481_5040908	NC_021160.1	Ca_kabuli_chr01	5040908	CC	TT	1940129059
SNP_P1_2482_5040942	NC_021160.1	Ca_kabuli_chr01	5040942	CC	TT	1940129060
SNP_P1_2483_5041124	NC_021160.1	Ca_kabuli_chr01	5041124	GG	AA	1940129061
SNP_P1_2484_5074935	NC_021160.1	Ca_kabuli_chr01	5074935	AA	TT	1940129062
SNP_P1_2486_5136127	NC_021160.1	Ca_kabuli_chr01	5136127	GG	AA	1940129063
SNP_P1_2487_5175510	NC_021160.1	Ca_kabuli_chr01	5175510	AA	GG	1940129064
SNP_P1_2488_5183735	NC_021160.1	Ca_kabuli_chr01	5183735	CC	TT	1940129065
SNP_P1_2489_5197154	NC_021160.1	Ca_kabuli_chr01	5197154	CC	GG	1940129066
SNP_P1_2490_5197211	NC_021160.1	Ca_kabuli_chr01	5197211	AA	GG	1940129067
SNP_P1_2491_5229265	NC_021160.1	Ca_kabuli_chr01	5229265	AA	CC	1940129068
SNP_P1_2492_5243859	NC_021160.1	Ca_kabuli_chr01	5243859	TT	AA	1940129069
SNP_P1_2494_5255007	NC_021160.1	Ca_kabuli_chr01	5255007	CC	TT	1940129070
SNP_P1_2495_5255049	NC_021160.1	Ca_kabuli_chr01	5255049	TT	CC	1940129071
SNP_P1_2496_5255065	NC_021160.1	Ca_kabuli_chr01	5255065	GG	AA	1940129072
SNP_P1_2497_5255066	NC_021160.1	Ca_kabuli_chr01	5255066	AA	GG	1940129073
SNP_P1_2498_5266986	NC_021160.1	Ca_kabuli_chr01	5266986	TT	CC	1940129074
SNP_P1_2499_5271867	NC_021160.1	Ca_kabuli_chr01	5271867	CC	AA	1940129075
SNP_P1_2500_5273285	NC_021160.1	Ca_kabuli_chr01	5273285	TT	AA	1940129076

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2503_5312691	NC_021160.1	Ca_kabuli_chr01	5312691	GG	AA	1940129078
SNP_P1_2504_5324741	NC_021160.1	Ca_kabuli_chr01	5324741	TT	CC	1940129079
SNP_P1_2505_5342310	NC_021160.1	Ca_kabuli_chr01	5342310	AA	GG	1940129081
SNP_P1_2507_5345039	NC_021160.1	Ca_kabuli_chr01	5345039	AA	TT	1940129082
SNP_P1_2508_5345214	NC_021160.1	Ca_kabuli_chr01	5345214	AA	GG	1940129083
SNP_P1_2509_5345294	NC_021160.1	Ca_kabuli_chr01	5345294	TT	AA	1940129084
SNP_P1_2510_5345310	NC_021160.1	Ca_kabuli_chr01	5345310	AA	GG	1940129085
SNP_P1_2511_5345322	NC_021160.1	Ca_kabuli_chr01	5345322	GG	CC	1940129086
SNP_P1_2512_5345518	NC_021160.1	Ca_kabuli_chr01	5345518	GG	AA	1940129087
SNP_P1_2513_5347181	NC_021160.1	Ca_kabuli_chr01	5347181	AA	GG	1940129088
SNP_P1_2514_5347334	NC_021160.1	Ca_kabuli_chr01	5347334	TT	CC	1940129089
SNP_P1_2515_5347636	NC_021160.1	Ca_kabuli_chr01	5347636	TT	CC	1940129090
SNP_P1_2516_5347655	NC_021160.1	Ca_kabuli_chr01	5347655	TT	CC	1940129091
SNP_P1_2517_5347693	NC_021160.1	Ca_kabuli_chr01	5347693	TT	GG	1940129092
SNP_P1_2518_5347917	NC_021160.1	Ca_kabuli_chr01	5347917	AA	GG	1940129093
SNP_P1_2519_5348015	NC_021160.1	Ca_kabuli_chr01	5348015	CC	GG	1940129094
SNP_P1_2520_5348187	NC_021160.1	Ca_kabuli_chr01	5348187	AA	CC	1940129095
SNP_P1_2521_5348248	NC_021160.1	Ca_kabuli_chr01	5348248	GG	AA	1940129096
SNP_P1_2522_5348442	NC_021160.1	Ca_kabuli_chr01	5348442	AA	GG	1940129097
SNP_P1_2523_5348871	NC_021160.1	Ca_kabuli_chr01	5348871	GG	AA	1940129098
SNP_P1_2524_5348883	NC_021160.1	Ca_kabuli_chr01	5348883	AA	GG	1940129099
SNP_P1_2525_5348961	NC_021160.1	Ca_kabuli_chr01	5348961	AA	GG	1940129100
SNP_P1_2526_5349091	NC_021160.1	Ca_kabuli_chr01	5349091	GG	TT	1940129101
SNP_P1_2527_5349107	NC_021160.1	Ca_kabuli_chr01	5349107	CC	AA	1940129102
SNP_P1_2528_5349295	NC_021160.1	Ca_kabuli_chr01	5349295	AA	TT	1940129103
SNP_P1_2529_5350527	NC_021160.1	Ca_kabuli_chr01	5350527	AA	GG	1940129104
SNP_P1_2530_5350644	NC_021160.1	Ca_kabuli_chr01	5350644	TT	AA	1940129105
SNP_P1_2531_5350701	NC_021160.1	Ca_kabuli_chr01	5350701	AA	GG	1940129106
SNP_P1_2533_5350959	NC_021160.1	Ca_kabuli_chr01	5350959	TT	GG	1940129107
SNP_P1_2535_5351063	NC_021160.1	Ca_kabuli_chr01	5351063	GG	AA	1940129108
SNP_P1_2536_5351302	NC_021160.1	Ca_kabuli_chr01	5351302	AA	TT	1940129110
SNP_P1_2537_5357367	NC_021160.1	Ca_kabuli_chr01	5357367	CC	TT	1940129111
SNP_P1_2538_5357420	NC_021160.1	Ca_kabuli_chr01	5357420	TT	GG	1940129112
SNP_P1_2539_5357634	NC_021160.1	Ca_kabuli_chr01	5357634	AA	CC	1940129113
SNP_P1_2540_5358092	NC_021160.1	Ca_kabuli_chr01	5358092	TT	GG	1940129114
SNP_P1_2541_5358383	NC_021160.1	Ca_kabuli_chr01	5358383	CC	AA	1940129115
SNP_P1_2542_5358401	NC_021160.1	Ca_kabuli_chr01	5358401	GG	TT	1940129116
SNP_P1_2543_5358444	NC_021160.1	Ca_kabuli_chr01	5358444	GG	AA	1940129117
SNP_P1_2544_5365051	NC_021160.1	Ca_kabuli_chr01	5365051	AA	CC	1940129118
SNP_P1_2545_5365171	NC_021160.1	Ca_kabuli_chr01	5365171	GG	TT	1940129119
SNP_P1_2546_5372383	NC_021160.1	Ca_kabuli_chr01	5372383	CC	TT	1940129120

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2548_5375139	NC_021160.1	Ca_kabuli_chr01	5375139	CC	GG	1940129122
SNP_P1_2549_5375278	NC_021160.1	Ca_kabuli_chr01	5375278	CC	GG	1940129123
SNP_P1_2551_5375999	NC_021160.1	Ca_kabuli_chr01	5375999	GG	TT	1940129124
SNP_P1_2552_5376001	NC_021160.1	Ca_kabuli_chr01	5376001	TT	AA	1940129125
SNP_P1_2554_5376237	NC_021160.1	Ca_kabuli_chr01	5376237	CC	TT	1940129126
SNP_P1_2555_5376248	NC_021160.1	Ca_kabuli_chr01	5376248	AA	CC	1940129127
SNP_P1_2556_5376583	NC_021160.1	Ca_kabuli_chr01	5376583	CC	GG	1940129128
SNP_P1_2557_5376643	NC_021160.1	Ca_kabuli_chr01	5376643	AA	GG	1940129129
SNP_P1_2558_5376907	NC_021160.1	Ca_kabuli_chr01	5376907	CC	TT	1940129130
SNP_P1_2559_5377199	NC_021160.1	Ca_kabuli_chr01	5377199	TT	GG	1940129131
SNP_P1_2560_5377202	NC_021160.1	Ca_kabuli_chr01	5377202	AA	GG	1940129132
SNP_P1_2561_5378177	NC_021160.1	Ca_kabuli_chr01	5378177	TT	CC	1940129133
SNP_P1_2562_5379327	NC_021160.1	Ca_kabuli_chr01	5379327	GG	TT	1940129134
SNP_P1_2563_5382883	NC_021160.1	Ca_kabuli_chr01	5382883	GG	TT	1940129135
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SNP_P1_2565_5389378	NC_021160.1	Ca_kabuli_chr01	5389378	CC	TT	1940129137
SNP_P1_2566_5389382	NC_021160.1	Ca_kabuli_chr01	5389382	GG	CC	1940129138
SNP_P1_2567_5389383	NC_021160.1	Ca_kabuli_chr01	5389383	GG	TT	1940129139
SNP_P1_2568_5389385	NC_021160.1	Ca_kabuli_chr01	5389385	GG	CC	1940129141
SNP_P1_2569_5389392	NC_021160.1	Ca_kabuli_chr01	5389392	GG	AA	1940129142
SNP_P1_2570_5389409	NC_021160.1	Ca_kabuli_chr01	5389409	TT	CC	1940129143
SNP_P1_2571_5389415	NC_021160.1	Ca_kabuli_chr01	5389415	CC	TT	1940129144
SNP_P1_2572_5389446	NC_021160.1	Ca_kabuli_chr01	5389446	CC	TT	1940129145
SNP_P1_2573_5390492	NC_021160.1	Ca_kabuli_chr01	5390492	CC	GG	1940129146
SNP_P1_2574_5391054	NC_021160.1	Ca_kabuli_chr01	5391054	TT	CC	1940129147
SNP_P1_2575_5391137	NC_021160.1	Ca_kabuli_chr01	5391137	GG	TT	1940129148
SNP_P1_2576_5391371	NC_021160.1	Ca_kabuli_chr01	5391371	CC	TT	1940129149
SNP_P1_2579_5393400	NC_021160.1	Ca_kabuli_chr01	5393400	GG	AA	1940129150
SNP_P1_2580_5394411	NC_021160.1	Ca_kabuli_chr01	5394411	GG	AA	1940129151
SNP_P1_2581_5394878	NC_021160.1	Ca_kabuli_chr01	5394878	GG	CC	1940129152
SNP_P1_2582_5394898	NC_021160.1	Ca_kabuli_chr01	5394898	CC	TT	1940129153
SNP_P1_2584_5397255	NC_021160.1	Ca_kabuli_chr01	5397255	AA	GG	1940129154
SNP_P1_2585_5397704	NC_021160.1	Ca_kabuli_chr01	5397704	GG	AA	1940129155
SNP_P1_2586_5397721	NC_021160.1	Ca_kabuli_chr01	5397721	AA	GG	1940129156
SNP_P1_2587_5397950	NC_021160.1	Ca_kabuli_chr01	5397950	TT	AA	1940129157
SNP_P1_2588_5398095	NC_021160.1	Ca_kabuli_chr01	5398095	AA	TT	1940129158
SNP_P1_2589_5398271	NC_021160.1	Ca_kabuli_chr01	5398271	CC	TT	1940129159
SNP_P1_2590_5398291	NC_021160.1	Ca_kabuli_chr01	5398291	CC	TT	1940129160
SNP_P1_2591_5398297	NC_021160.1	Ca_kabuli_chr01	5398297	TT	CC	1940129161
SNP_P1_2592_5398304	NC_021160.1	Ca_kabuli_chr01	5398304	TT	CC	1940129162
SNP_P1_2593_5398583	NC_021160.1	Ca_kabuli_chr01	5398583	GG	AA	1940129163

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2596_5400044	NC_021160.1	Ca_kabuli_chr01	5400044	CC	TT	1940129166
SNP_P1_2597_5400060	NC_021160.1	Ca_kabuli_chr01	5400060	TT	GG	1940129167
SNP_P1_2598_5400080	NC_021160.1	Ca_kabuli_chr01	5400080	CC	TT	1940129168
SNP_P1_2599_5400157	NC_021160.1	Ca_kabuli_chr01	5400157	TT	CC	1940129169
SNP_P1_2600_5400378	NC_021160.1	Ca_kabuli_chr01	5400378	AA	CC	1940129170
SNP_P1_2601_5400396	NC_021160.1	Ca_kabuli_chr01	5400396	AA	GG	1940129171
SNP_P1_2602_5400416	NC_021160.1	Ca_kabuli_chr01	5400416	TT	CC	1940129172
SNP_P1_2603_5403282	NC_021160.1	Ca_kabuli_chr01	5403282	TT	AA	1940129174
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SNP_P1_2607_5403664	NC_021160.1	Ca_kabuli_chr01	5403664	GG	TT	1940129178
SNP_P1_2608_5403671	NC_021160.1	Ca_kabuli_chr01	5403671	TT	CC	1940129179
SNP_P1_2609_5403685	NC_021160.1	Ca_kabuli_chr01	5403685	CC	TT	1940129180
SNP_P1_2610_5403778	NC_021160.1	Ca_kabuli_chr01	5403778	AA	TT	1940129181
SNP_P1_2611_5403781	NC_021160.1	Ca_kabuli_chr01	5403781	AA	TT	1940129182
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SNP_P1_2615_5413337	NC_021160.1	Ca_kabuli_chr01	5413337	AA	GG	1940129185
SNP_P1_2616_5413396	NC_021160.1	Ca_kabuli_chr01	5413396	CC	TT	1940129186
SNP_P1_2617_5413703	NC_021160.1	Ca_kabuli_chr01	5413703	CC	TT	1940129187
SNP_P1_2618_5414651	NC_021160.1	Ca_kabuli_chr01	5414651	GG	AA	1940129188
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SNP_P1_2623_5420673	NC_021160.1	Ca_kabuli_chr01	5420673	AA	CC	1940129192
SNP_P1_2624_5421652	NC_021160.1	Ca_kabuli_chr01	5421652	AA	GG	1940129193
SNP_P1_2625_5422310	NC_021160.1	Ca_kabuli_chr01	5422310	GG	TT	1940129194
SNP_P1_2627_5422633	NC_021160.1	Ca_kabuli_chr01	5422633	TT	CC	1940129195
SNP_P1_2628_5422645	NC_021160.1	Ca_kabuli_chr01	5422645	GG	TT	1940129196
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SNP_P1_2631_5423329	NC_021160.1	Ca_kabuli_chr01	5423329	TT	AA	1940129198
SNP_P1_2632_5423349	NC_021160.1	Ca_kabuli_chr01	5423349	AA	GG	1940129199
SNP_P1_2635_5425388	NC_021160.1	Ca_kabuli_chr01	5425388	TT	AA	1940129200
SNP_P1_2637_5426210	NC_021160.1	Ca_kabuli_chr01	5426210	TT	CC	1940129201
SNP_P1_2639_5426938	NC_021160.1	Ca_kabuli_chr01	5426938	AA	GG	1940129202
SNP_P1_2640_5426968	NC_021160.1	Ca_kabuli_chr01	5426968	AA	GG	1940129203
SNP_P1_2641_5427236	NC_021160.1	Ca_kabuli_chr01	5427236	AA	TT	1940129204
SNP_P1_2642_5428868	NC_021160.1	Ca_kabuli_chr01	5428868	TT	CC	1940129205
SNP_P1_2644_5429079	NC_021160.1	Ca_kabuli_chr01	5429079	GG	AA	1940129206

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2647_5429141	NC_021160.1	Ca_kabuli_chr01	5429141	TT	CC	1940129209
SNP_P1_2648_5429227	NC_021160.1	Ca_kabuli_chr01	5429227	TT	CC	1940129210
SNP_P1_2649_5429549	NC_021160.1	Ca_kabuli_chr01	5429549	GG	AA	1940129212
SNP_P1_2650_5429637	NC_021160.1	Ca_kabuli_chr01	5429637	GG	AA	1940129213
SNP_P1_2651_5429692	NC_021160.1	Ca_kabuli_chr01	5429692	TT	AA	1940129214
SNP_P1_2652_5431642	NC_021160.1	Ca_kabuli_chr01	5431642	TT	CC	1940129215
SNP_P1_2653_5431653	NC_021160.1	Ca_kabuli_chr01	5431653	CC	GG	1940129216
SNP_P1_2654_5431662	NC_021160.1	Ca_kabuli_chr01	5431662	CC	AA	1940129217
SNP_P1_2655_5431915	NC_021160.1	Ca_kabuli_chr01	5431915	TT	GG	1940129218
SNP_P1_2656_5431946	NC_021160.1	Ca_kabuli_chr01	5431946	TT	CC	1940129219
SNP_P1_2657_5431948	NC_021160.1	Ca_kabuli_chr01	5431948	GG	TT	1940129220
SNP_P1_2658_5431954	NC_021160.1	Ca_kabuli_chr01	5431954	CC	TT	1940129221
SNP_P1_2659_5431959	NC_021160.1	Ca_kabuli_chr01	5431959	AA	GG	1940129222
SNP_P1_2660_5432418	NC_021160.1	Ca_kabuli_chr01	5432418	CC	TT	1940129223
SNP_P1_2661_5432451	NC_021160.1	Ca_kabuli_chr01	5432451	TT	AA	1940129224
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SNP_P1_2663_5432976	NC_021160.1	Ca_kabuli_chr01	5432976	AA	TT	1940129226
SNP_P1_2664_5432980	NC_021160.1	Ca_kabuli_chr01	5432980	AA	GG	1940129227
SNP_P1_2665_5432981	NC_021160.1	Ca_kabuli_chr01	5432981	GG	AA	1940129228
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SNP_P1_2667_5433037	NC_021160.1	Ca_kabuli_chr01	5433037	CC	TT	1940129230
SNP_P1_2668_5433066	NC_021160.1	Ca_kabuli_chr01	5433066	AA	GG	1940129231
SNP_P1_2669_5433130	NC_021160.1	Ca_kabuli_chr01	5433130	GG	AA	1940129232
SNP_P1_2670_5433173	NC_021160.1	Ca_kabuli_chr01	5433173	AA	GG	1940129233
SNP_P1_2671_5433254	NC_021160.1	Ca_kabuli_chr01	5433254	TT	CC	1940129234
SNP_P1_2672_5433307	NC_021160.1	Ca_kabuli_chr01	5433307	GG	AA	1940129235
SNP_P1_2673_5436217	NC_021160.1	Ca_kabuli_chr01	5436217	TT	AA	1940129236
SNP_P1_2674_5436695	NC_021160.1	Ca_kabuli_chr01	5436695	TT	AA	1940129237
SNP_P1_2675_5436702	NC_021160.1	Ca_kabuli_chr01	5436702	TT	AA	1940129238
SNP_P1_2676_5436746	NC_021160.1	Ca_kabuli_chr01	5436746	CC	GG	1940129239
SNP_P1_2677_5437076	NC_021160.1	Ca_kabuli_chr01	5437076	CC	TT	1940129240
SNP_P1_2678_5437102	NC_021160.1	Ca_kabuli_chr01	5437102	GG	CC	1940129241
SNP_P1_2680_5440636	NC_021160.1	Ca_kabuli_chr01	5440636	GG	TT	1940129242
SNP_P1_2681_5440685	NC_021160.1	Ca_kabuli_chr01	5440685	TT	GG	1940129243
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SNP_P1_2686_5443935	NC_021160.1	Ca_kabuli_chr01	5443935	CC	TT	1940129248
SNP_P1_2687_5445977	NC_021160.1	Ca_kabuli_chr01	5445977	AA	GG	1940129249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2690_5445984	NC_021160.1	Ca_kabuli_chr01	5445984	GG	TT	1940129253
SNP_P1_2691_5445991	NC_021160.1	Ca_kabuli_chr01	5445991	CC	TT	1940129254
SNP_P1_2692_5445998	NC_021160.1	Ca_kabuli_chr01	5445998	AA	GG	1940129255
SNP_P1_2693_5446854	NC_021160.1	Ca_kabuli_chr01	5446854	CC	TT	1940129256
SNP_P1_2694_5447248	NC_021160.1	Ca_kabuli_chr01	5447248	TT	CC	1940129257
SNP_P1_2695_5447808	NC_021160.1	Ca_kabuli_chr01	5447808	CC	TT	1940129258
SNP_P1_2696_5447928	NC_021160.1	Ca_kabuli_chr01	5447928	TT	CC	1940129259
SNP_P1_2697_5449160	NC_021160.1	Ca_kabuli_chr01	5449160	TT	CC	1940129260
SNP_P1_2698_5452226	NC_021160.1	Ca_kabuli_chr01	5452226	CC	GG	1940129261
SNP_P1_2699_5452364	NC_021160.1	Ca_kabuli_chr01	5452364	TT	CC	1940129262
SNP_P1_2700_5452542	NC_021160.1	Ca_kabuli_chr01	5452542	TT	CC	1940129263
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SNP_P1_2703_5454538	NC_021160.1	Ca_kabuli_chr01	5454538	GG	AA	1940129265
SNP_P1_2704_5454564	NC_021160.1	Ca_kabuli_chr01	5454564	CC	GG	1940129266
SNP_P1_2705_5454566	NC_021160.1	Ca_kabuli_chr01	5454566	TT	GG	1940129267
SNP_P1_2707_5457729	NC_021160.1	Ca_kabuli_chr01	5457729	AA	GG	1940129268
SNP_P1_2708_5457860	NC_021160.1	Ca_kabuli_chr01	5457860	GG	AA	1940129269
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SNP_P1_2721_5460841	NC_021160.1	Ca_kabuli_chr01	5460841	TT	AA	1940129283
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SNP_P1_2725_5463849	NC_021160.1	Ca_kabuli_chr01	5463849	CC	GG	1940129287
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SNP_P1_2727_5463896	NC_021160.1	Ca_kabuli_chr01	5463896	TT	CC	1940129289
SNP_P1_2728_5463935	NC_021160.1	Ca_kabuli_chr01	5463935	AA	GG	1940129290
SNP_P1_2729_5463941	NC_021160.1	Ca_kabuli_chr01	5463941	GG	AA	1940129291
SNP_P1_2730_5464054	NC_021160.1	Ca_kabuli_chr01	5464054	TT	CC	1940129293
SNP_P1_2731_5464062	NC_021160.1	Ca_kabuli_chr01	5464062	CC	TT	1940129294

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2735_5464264	NC_021160.1	Ca_kabuli_chr01	5464264	TT	CC	1940129298
SNP_P1_2736_5464267	NC_021160.1	Ca_kabuli_chr01	5464267	AA	GG	1940129299
SNP_P1_2737_5464274	NC_021160.1	Ca_kabuli_chr01	5464274	CC	TT	1940129300
SNP_P1_2738_5464342	NC_021160.1	Ca_kabuli_chr01	5464342	AA	GG	1940129301
SNP_P1_2739_5464360	NC_021160.1	Ca_kabuli_chr01	5464360	GG	CC	1940129302
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SNP_P1_2752_5482284	NC_021160.1	Ca_kabuli_chr01	5482284	GG	AA	1940129313
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SNP_P1_2755_5483445	NC_021160.1	Ca_kabuli_chr01	5483445	CC	AA	1940129316
SNP_P1_2756_5483895	NC_021160.1	Ca_kabuli_chr01	5483895	AA	GG	1940129317
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SNP_P1_2768_5494952	NC_021160.1	Ca_kabuli_chr01	5494952	TT	CC	1940129326
SNP_P1_2769_5495219	NC_021160.1	Ca_kabuli_chr01	5495219	GG	AA	1940129327
SNP_P1_2770_5495401	NC_021160.1	Ca_kabuli_chr01	5495401	AA	GG	1940129328
SNP_P1_2771_5495550	NC_021160.1	Ca_kabuli_chr01	5495550	TT	CC	1940129329
SNP_P1_2773_5495638	NC_021160.1	Ca_kabuli_chr01	5495638	GG	AA	1940129330
SNP_P1_2774_5499062	NC_021160.1	Ca_kabuli_chr01	5499062	GG	AA	1940129331
SNP_P1_2775_5499105	NC_021160.1	Ca_kabuli_chr01	5499105	GG	AA	1940129332
SNP_P1_2776_5499111	NC_021160.1	Ca_kabuli_chr01	5499111	TT	GG	1940129333
SNP_P1_2777_5499396	NC_021160.1	Ca_kabuli_chr01	5499396	AA	GG	1940129334
SNP_P1_2778_5500258	NC_021160.1	Ca_kabuli_chr01	5500258	CC	TT	1940129335
SNP_P1_2779_5500290	NC_021160.1	Ca_kabuli_chr01	5500290	TT	AA	1940129337

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_2781_5502442	NC_021160.1	Ca_kabuli_chr01	5502442	AA	GG	1940129338
SNP_P1_2782_5502978	NC_021160.1	Ca_kabuli_chr01	5502978	AA	GG	1940129339
SNP_P1_2783_5504400	NC_021160.1	Ca_kabuli_chr01	5504400	AA	TT	1940129340
SNP_P1_2784_5505804	NC_021160.1	Ca_kabuli_chr01	5505804	GG	AA	1940129341
SNP_P1_2785_5505930	NC_021160.1	Ca_kabuli_chr01	5505930	TT	CC	1940129342
SNP_P1_2786_5509488	NC_021160.1	Ca_kabuli_chr01	5509488	GG	AA	1940129343
SNP_P1_2787_5509567	NC_021160.1	Ca_kabuli_chr01	5509567	GG	AA	1940129344
SNP_P1_2788_5509847	NC_021160.1	Ca_kabuli_chr01	5509847	CC	GG	1940129345
SNP_P1_2789_5512706	NC_021160.1	Ca_kabuli_chr01	5512706	AA	GG	1940129346
SNP_P1_2790_5512965	NC_021160.1	Ca_kabuli_chr01	5512965	AA	GG	1940129347
SNP_P1_2791_5512970	NC_021160.1	Ca_kabuli_chr01	5512970	GG	CC	1940129348
SNP_P1_2792_5513214	NC_021160.1	Ca_kabuli_chr01	5513214	GG	AA	1940129349
SNP_P1_2793_5513646	NC_021160.1	Ca_kabuli_chr01	5513646	TT	CC	1940129350
SNP_P1_2794_5513662	NC_021160.1	Ca_kabuli_chr01	5513662	TT	CC	1940129351
SNP_P1_2795_5514098	NC_021160.1	Ca_kabuli_chr01	5514098	AA	GG	1940129352
SNP_P1_2796_5514230	NC_021160.1	Ca_kabuli_chr01	5514230	GG	AA	1940129353
SNP_P1_2797_5514287	NC_021160.1	Ca_kabuli_chr01	5514287	TT	GG	1940129354
SNP_P1_2798_5514856	NC_021160.1	Ca_kabuli_chr01	5514856	CC	GG	1940129355
SNP_P1_2799_5515538	NC_021160.1	Ca_kabuli_chr01	5515538	TT	CC	1940129356
SNP_P1_2800_5515570	NC_021160.1	Ca_kabuli_chr01	5515570	TT	GG	1940129357
SNP_P1_2801_5517489	NC_021160.1	Ca_kabuli_chr01	5517489	GG	TT	1940129358
SNP_P1_2802_5518947	NC_021160.1	Ca_kabuli_chr01	5518947	AA	GG	1940129359
SNP_P1_2803_5518999	NC_021160.1	Ca_kabuli_chr01	5518999	GG	AA	1940129360
SNP_P1_2804_5519037	NC_021160.1	Ca_kabuli_chr01	5519037	AA	GG	1940129361
SNP_P1_2805_5519165	NC_021160.1	Ca_kabuli_chr01	5519165	CC	AA	1940129362
SNP_P1_2806_5519909	NC_021160.1	Ca_kabuli_chr01	5519909	TT	AA	1940129363
SNP_P1_2807_5520420	NC_021160.1	Ca_kabuli_chr01	5520420	CC	AA	1940129364
SNP_P1_2808_5520460	NC_021160.1	Ca_kabuli_chr01	5520460	CC	AA	1940129365
SNP_P1_2809_5520478	NC_021160.1	Ca_kabuli_chr01	5520478	CC	TT	1940129366
SNP_P1_2810_5520699	NC_021160.1	Ca_kabuli_chr01	5520699	TT	AA	1940129367
SNP_P1_2811_5520744	NC_021160.1	Ca_kabuli_chr01	5520744	AA	GG	1940129368
SNP_P1_2812_5520765	NC_021160.1	Ca_kabuli_chr01	5520765	CC	TT	1940129369
SNP_P1_2813_5520830	NC_021160.1	Ca_kabuli_chr01	5520830	TT	AA	1940129370
SNP_P1_2814_5522081	NC_021160.1	Ca_kabuli_chr01	5522081	AA	GG	1940129371
SNP_P1_2815_5524788	NC_021160.1	Ca_kabuli_chr01	5524788	CC	TT	1940129372
SNP_P1_2816_5528774	NC_021160.1	Ca_kabuli_chr01	5528774	GG	CC	1940129373
SNP_P1_2818_5529216	NC_021160.1	Ca_kabuli_chr01	5529216	AA	TT	1940129374
SNP_P1_2819_5529227	NC_021160.1	Ca_kabuli_chr01	5529227	TT	CC	1940129375
SNP_P1_2820_5529228	NC_021160.1	Ca_kabuli_chr01	5529228	CC	TT	1940129376
SNP_P1_2821_5530259	NC_021160.1	Ca_kabuli_chr01	5530259	AA	GG	1940129377
SNP_P1_2822_5530260	NC_021160.1	Ca_kabuli_chr01	5530260	GG	AA	1940129378
SNP_P1_2823_5530464	NC_021160.1	Ca_kabuli_chr01	5530464	GG	AA	1940129379

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_2824_5531154	NC_021160.1	Ca_kabuli_chr01	5531154	TT	GG	1940129380
SNP_P1_2826_5531390	NC_021160.1	Ca_kabuli_chr01	5531390	GG	TT	1940129382
SNP_P1_2827_5531391	NC_021160.1	Ca_kabuli_chr01	5531391	AA	GG	1940129383
SNP_P1_2828_5532239	NC_021160.1	Ca_kabuli_chr01	5532239	AA	TT	1940129384
SNP_P1_2829_5541616	NC_021160.1	Ca_kabuli_chr01	5541616	GG	AA	1940129385
SNP_P1_2830_5544156	NC_021160.1	Ca_kabuli_chr01	5544156	GG	AA	1940129386
SNP_P1_2831_5547439	NC_021160.1	Ca_kabuli_chr01	5547439	TT	CC	1940129387
SNP_P1_2832_5548959	NC_021160.1	Ca_kabuli_chr01	5548959	CC	TT	1940129388
SNP_P1_2833_5561891	NC_021160.1	Ca_kabuli_chr01	5561891	CC	TT	1940129389
SNP_P1_2834_5571755	NC_021160.1	Ca_kabuli_chr01	5571755	AA	GG	1940129390
SNP_P1_2835_5588858	NC_021160.1	Ca_kabuli_chr01	5588858	CC	GG	1940129391
SNP_P1_2836_5598462	NC_021160.1	Ca_kabuli_chr01	5598462	TT	CC	1940129392
SNP_P1_2838_5613941	NC_021160.1	Ca_kabuli_chr01	5613941	GG	CC	1940129393
SNP_P1_2840_5616067	NC_021160.1	Ca_kabuli_chr01	5616067	CC	GG	1940129394
SNP_P1_2843_5676437	NC_021160.1	Ca_kabuli_chr01	5676437	GG	TT	1940129395
SNP_P1_2847_5741451	NC_021160.1	Ca_kabuli_chr01	5741451	TT	CC	1940129396
SNP_P1_2849_5752760	NC_021160.1	Ca_kabuli_chr01	5752760	AA	CC	1940129397
SNP_P1_2850_5774864	NC_021160.1	Ca_kabuli_chr01	5774864	TT	AA	1940129398
SNP_P1_2851_5781429	NC_021160.1	Ca_kabuli_chr01	5781429	GG	AA	1940129399
SNP_P1_2852_5782561	NC_021160.1	Ca_kabuli_chr01	5782561	AA	TT	1940129400
SNP_P1_2853_5784428	NC_021160.1	Ca_kabuli_chr01	5784428	CC	AA	1940129401
SNP_P1_2854_5794155	NC_021160.1	Ca_kabuli_chr01	5794155	CC	TT	1940129402
SNP_P1_2855_5799512	NC_021160.1	Ca_kabuli_chr01	5799512	CC	TT	1940129403
SNP_P1_2856_5799526	NC_021160.1	Ca_kabuli_chr01	5799526	AA	GG	1940129404
SNP_P1_2857_5803201	NC_021160.1	Ca_kabuli_chr01	5803201	GG	TT	1940129405
SNP_P1_2858_5803240	NC_021160.1	Ca_kabuli_chr01	5803240	CC	TT	1940129406
SNP_P1_2859_5803260	NC_021160.1	Ca_kabuli_chr01	5803260	GG	AA	1940129407
SNP_P1_2860_5803429	NC_021160.1	Ca_kabuli_chr01	5803429	TT	AA	1940129408
SNP_P1_2861_5803435	NC_021160.1	Ca_kabuli_chr01	5803435	AA	CC	1940129409
SNP_P1_2863_5803850	NC_021160.1	Ca_kabuli_chr01	5803850	GG	AA	1940129410
SNP_P1_2864_5803933	NC_021160.1	Ca_kabuli_chr01	5803933	GG	AA	1940129411
SNP_P1_2865_5803985	NC_021160.1	Ca_kabuli_chr01	5803985	AA	GG	1940129412
SNP_P1_2866_5804028	NC_021160.1	Ca_kabuli_chr01	5804028	GG	AA	1940129413
SNP_P1_2868_5804097	NC_021160.1	Ca_kabuli_chr01	5804097	CC	AA	1940129414
SNP_P1_2869_5804227	NC_021160.1	Ca_kabuli_chr01	5804227	GG	AA	1940129415
SNP_P1_2870_5804381	NC_021160.1	Ca_kabuli_chr01	5804381	TT	AA	1940129416
SNP_P1_2872_5819238	NC_021160.1	Ca_kabuli_chr01	5819238	AA	TT	1940129417
SNP_P1_2873_5819239	NC_021160.1	Ca_kabuli_chr01	5819239	TT	CC	1940129418
SNP_P1_2875_5846383	NC_021160.1	Ca_kabuli_chr01	5846383	TT	AA	1940129419
SNP_P1_2876_5846445	NC_021160.1	Ca_kabuli_chr01	5846445	CC	TT	1940129420
SNP_P1_2877_5859645	NC_021160.1	Ca_kabuli_chr01	5859645	CC	TT	1940129421
SNP_P1_2878_5871409	NC_021160.1	Ca_kabuli_chr01	5871409	CC	TT	1940129422

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2881_5878262	NC_021160.1	Ca_kabuli_chr01	5878262	TT	CC	1940129424
SNP_P1_2882_5897722	NC_021160.1	Ca_kabuli_chr01	5897722	TT	CC	1940129425
SNP_P1_2883_5897738	NC_021160.1	Ca_kabuli_chr01	5897738	GG	TT	1940129426
SNP_P1_2884_5897855	NC_021160.1	Ca_kabuli_chr01	5897855	AA	GG	1940129427
SNP_P1_2885_5898115	NC_021160.1	Ca_kabuli_chr01	5898115	CC	TT	1940129428
SNP_P1_2886_5900355	NC_021160.1	Ca_kabuli_chr01	5900355	AA	GG	1940129429
SNP_P1_2887_5900489	NC_021160.1	Ca_kabuli_chr01	5900489	TT	CC	1940129431
SNP_P1_2889_5914547	NC_021160.1	Ca_kabuli_chr01	5914547	CC	TT	1940129432
SNP_P1_2890_5926922	NC_021160.1	Ca_kabuli_chr01	5926922	GG	AA	1940129433
SNP_P1_2891_5929501	NC_021160.1	Ca_kabuli_chr01	5929501	GG	TT	1940129434
SNP_P1_2892_5947623	NC_021160.1	Ca_kabuli_chr01	5947623	AA	GG	1940129435
SNP_P1_2894_5953992	NC_021160.1	Ca_kabuli_chr01	5953992	TT	CC	1940129436
SNP_P1_2896_5961350	NC_021160.1	Ca_kabuli_chr01	5961350	CC	GG	1940129437
SNP_P1_2897_5963423	NC_021160.1	Ca_kabuli_chr01	5963423	CC	TT	1940129438
SNP_P1_2898_5970631	NC_021160.1	Ca_kabuli_chr01	5970631	AA	GG	1940129439
SNP_P1_2899_5977977	NC_021160.1	Ca_kabuli_chr01	5977977	TT	CC	1940129440
SNP_P1_2900_5986521	NC_021160.1	Ca_kabuli_chr01	5986521	AA	TT	1940129441
SNP_P1_2901_5986836	NC_021160.1	Ca_kabuli_chr01	5986836	TT	CC	1940129442
SNP_P1_2902_5986857	NC_021160.1	Ca_kabuli_chr01	5986857	CC	TT	1940129443
SNP_P1_2903_5988183	NC_021160.1	Ca_kabuli_chr01	5988183	TT	AA	1940129444
SNP_P1_2904_5991169	NC_021160.1	Ca_kabuli_chr01	5991169	CC	AA	1940129445
SNP_P1_2905_6015508	NC_021160.1	Ca_kabuli_chr01	6015508	TT	AA	1940129446
SNP_P1_2906_6015630	NC_021160.1	Ca_kabuli_chr01	6015630	AA	TT	1940129447
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SNP_P1_2909_6070477	NC_021160.1	Ca_kabuli_chr01	6070477	CC	TT	1940129449
SNP_P1_2910_6074267	NC_021160.1	Ca_kabuli_chr01	6074267	TT	GG	1940129450
SNP_P1_2911_6082353	NC_021160.1	Ca_kabuli_chr01	6082353	TT	CC	1940129451
SNP_P1_2913_6106304	NC_021160.1	Ca_kabuli_chr01	6106304	GG	AA	1940129452
SNP_P1_2914_6106315	NC_021160.1	Ca_kabuli_chr01	6106315	CC	TT	1940129453
SNP_P1_2915_6106328	NC_021160.1	Ca_kabuli_chr01	6106328	TT	CC	1940129454
SNP_P1_2916_6106338	NC_021160.1	Ca_kabuli_chr01	6106338	AA	TT	1940129455
SNP_P1_2917_6106339	NC_021160.1	Ca_kabuli_chr01	6106339	GG	CC	1940129456
SNP_P1_2918_6106350	NC_021160.1	Ca_kabuli_chr01	6106350	TT	CC	1940129457
SNP_P1_2919_6106351	NC_021160.1	Ca_kabuli_chr01	6106351	AA	TT	1940129458
SNP_P1_2920_6106563	NC_021160.1	Ca_kabuli_chr01	6106563	TT	GG	1940129459
SNP_P1_2921_6106564	NC_021160.1	Ca_kabuli_chr01	6106564	AA	GG	1940129460
SNP_P1_2922_6110318	NC_021160.1	Ca_kabuli_chr01	6110318	CC	TT	1940129461
SNP_P1_2923_6110578	NC_021160.1	Ca_kabuli_chr01	6110578	TT	GG	1940129462
SNP_P1_2924_6112933	NC_021160.1	Ca_kabuli_chr01	6112933	TT	GG	1940129463
SNP_P1_2925_6123548	NC_021160.1	Ca_kabuli_chr01	6123548	AA	TT	1940129464
SNP_P1_2926_6123663	NC_021160.1	Ca_kabuli_chr01	6123663	CC	AA	1940129465

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2928_6124880	NC_021160.1	Ca_kabuli_chr01	6124880	CC	TT	1940129467
SNP_P1_2929_6124896	NC_021160.1	Ca_kabuli_chr01	6124896	AA	TT	1940129468
SNP_P1_2930_6124925	NC_021160.1	Ca_kabuli_chr01	6124925	AA	TT	1940129469
SNP_P1_2931_6124935	NC_021160.1	Ca_kabuli_chr01	6124935	TT	CC	1940129470
SNP_P1_2932_6125874	NC_021160.1	Ca_kabuli_chr01	6125874	CC	TT	1940129471
SNP_P1_2933_6125876	NC_021160.1	Ca_kabuli_chr01	6125876	GG	AA	1940129472
SNP_P1_2934_6125887	NC_021160.1	Ca_kabuli_chr01	6125887	AA	TT	1940129474
SNP_P1_2935_6126128	NC_021160.1	Ca_kabuli_chr01	6126128	TT	CC	1940129475
SNP_P1_2936_6126129	NC_021160.1	Ca_kabuli_chr01	6126129	GG	AA	1940129476
SNP_P1_2937_6126136	NC_021160.1	Ca_kabuli_chr01	6126136	AA	TT	1940129477
SNP_P1_2938_6126869	NC_021160.1	Ca_kabuli_chr01	6126869	CC	GG	1940129478
SNP_P1_2939_6127083	NC_021160.1	Ca_kabuli_chr01	6127083	CC	TT	1940129479
SNP_P1_2940_6127093	NC_021160.1	Ca_kabuli_chr01	6127093	AA	GG	1940129480
SNP_P1_2941_6127094	NC_021160.1	Ca_kabuli_chr01	6127094	CC	AA	1940129481
SNP_P1_2942_6127173	NC_021160.1	Ca_kabuli_chr01	6127173	AA	CC	1940129482
SNP_P1_2943_6127230	NC_021160.1	Ca_kabuli_chr01	6127230	GG	AA	1940129483
SNP_P1_2944_6127237	NC_021160.1	Ca_kabuli_chr01	6127237	AA	CC	1940129484
SNP_P1_2945_6127386	NC_021160.1	Ca_kabuli_chr01	6127386	AA	CC	1940129485
SNP_P1_2946_6128144	NC_021160.1	Ca_kabuli_chr01	6128144	CC	TT	1940129486
SNP_P1_2947_6128160	NC_021160.1	Ca_kabuli_chr01	6128160	TT	CC	1940129487
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SNP_P1_2950_6128572	NC_021160.1	Ca_kabuli_chr01	6128572	GG	AA	1940129489
SNP_P1_2951_6128769	NC_021160.1	Ca_kabuli_chr01	6128769	CC	AA	1940129490
SNP_P1_2952_6129198	NC_021160.1	Ca_kabuli_chr01	6129198	CC	TT	1940129491
SNP_P1_2953_6129408	NC_021160.1	Ca_kabuli_chr01	6129408	GG	AA	1940129492
SNP_P1_2954_6129419	NC_021160.1	Ca_kabuli_chr01	6129419	CC	TT	1940129493
SNP_P1_2955_6129458	NC_021160.1	Ca_kabuli_chr01	6129458	CC	TT	1940129494
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SNP_P1_2957_6129877	NC_021160.1	Ca_kabuli_chr01	6129877	TT	AA	1940129496
SNP_P1_2958_6129889	NC_021160.1	Ca_kabuli_chr01	6129889	AA	TT	1940129497
SNP_P1_2959_6130219	NC_021160.1	Ca_kabuli_chr01	6130219	CC	TT	1940129498
SNP_P1_2960_6130220	NC_021160.1	Ca_kabuli_chr01	6130220	AA	CC	1940129499
SNP_P1_2961_6130224	NC_021160.1	Ca_kabuli_chr01	6130224	GG	AA	1940129500
SNP_P1_2962_6131439	NC_021160.1	Ca_kabuli_chr01	6131439	GG	CC	1940129501
SNP_P1_2963_6131462	NC_021160.1	Ca_kabuli_chr01	6131462	AA	GG	1940129502
SNP_P1_2964_6131665	NC_021160.1	Ca_kabuli_chr01	6131665	AA	GG	1940129503
SNP_P1_2966_6132227	NC_021160.1	Ca_kabuli_chr01	6132227	CC	TT	1940129504
SNP_P1_2967_6132255	NC_021160.1	Ca_kabuli_chr01	6132255	TT	CC	1940129505
SNP_P1_2968_6132262	NC_021160.1	Ca_kabuli_chr01	6132262	CC	TT	1940129506
SNP_P1_2969_6132276	NC_021160.1	Ca_kabuli_chr01	6132276	AA	GG	1940129507
SNP_P1_2970_6132277	NC_021160.1	Ca_kabuli_chr01	6132277	AA	GG	1940129508

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_2972_6132373	NC_021160.1	Ca_kabuli_chr01	6132373	GG	AA	1940129511
SNP_P1_2973_6132405	NC_021160.1	Ca_kabuli_chr01	6132405	TT	CC	1940129512
SNP_P1_2974_6133579	NC_021160.1	Ca_kabuli_chr01	6133579	CC	TT	1940129513
SNP_P1_2975_6133867	NC_021160.1	Ca_kabuli_chr01	6133867	AA	TT	1940129514
SNP_P1_2976_6133976	NC_021160.1	Ca_kabuli_chr01	6133976	TT	AA	1940129515
SNP_P1_2977_6133983	NC_021160.1	Ca_kabuli_chr01	6133983	CC	TT	1940129516
SNP_P1_2978_6135864	NC_021160.1	Ca_kabuli_chr01	6135864	TT	CC	1940129517
SNP_P1_2979_6135872	NC_021160.1	Ca_kabuli_chr01	6135872	GG	AA	1940129518
SNP_P1_2980_6135873	NC_021160.1	Ca_kabuli_chr01	6135873	GG	AA	1940129519
SNP_P1_2981_6135934	NC_021160.1	Ca_kabuli_chr01	6135934	CC	TT	1940129520
SNP_P1_2982_6135993	NC_021160.1	Ca_kabuli_chr01	6135993	GG	CC	1940129521
SNP_P1_2983_6136032	NC_021160.1	Ca_kabuli_chr01	6136032	TT	AA	1940129522
SNP_P1_2984_6136042	NC_021160.1	Ca_kabuli_chr01	6136042	GG	AA	1940129523
SNP_P1_2986_6137073	NC_021160.1	Ca_kabuli_chr01	6137073	TT	AA	1940129524
SNP_P1_2987_6137078	NC_021160.1	Ca_kabuli_chr01	6137078	CC	AA	1940129525
SNP_P1_2988_6137096	NC_021160.1	Ca_kabuli_chr01	6137096	GG	AA	1940129526
SNP_P1_2989_6137107	NC_021160.1	Ca_kabuli_chr01	6137107	AA	TT	1940129527
SNP_P1_2990_6137222	NC_021160.1	Ca_kabuli_chr01	6137222	TT	AA	1940129528
SNP_P1_2991_6137249	NC_021160.1	Ca_kabuli_chr01	6137249	CC	AA	1940129529
SNP_P1_2992_6137250	NC_021160.1	Ca_kabuli_chr01	6137250	AA	GG	1940129530
SNP_P1_2994_6137806	NC_021160.1	Ca_kabuli_chr01	6137806	GG	AA	1940129531
SNP_P1_2995_6137846	NC_021160.1	Ca_kabuli_chr01	6137846	AA	GG	1940129532
SNP_P1_2996_6138175	NC_021160.1	Ca_kabuli_chr01	6138175	TT	CC	1940129533
SNP_P1_2997_6138210	NC_021160.1	Ca_kabuli_chr01	6138210	CC	TT	1940129534
SNP_P1_2998_6138250	NC_021160.1	Ca_kabuli_chr01	6138250	GG	AA	1940129535
SNP_P1_2999_6138484	NC_021160.1	Ca_kabuli_chr01	6138484	AA	GG	1940129536
SNP_P1_3000_6138510	NC_021160.1	Ca_kabuli_chr01	6138510	GG	TT	1940129537
SNP_P1_3001_6138577	NC_021160.1	Ca_kabuli_chr01	6138577	TT	CC	1940129538
SNP_P1_3002_6141487	NC_021160.1	Ca_kabuli_chr01	6141487	CC	TT	1940129539
SNP_P1_3003_6141531	NC_021160.1	Ca_kabuli_chr01	6141531	AA	TT	1940129540
SNP_P1_3004_6141534	NC_021160.1	Ca_kabuli_chr01	6141534	GG	TT	1940129541
SNP_P1_3005_6143940	NC_021160.1	Ca_kabuli_chr01	6143940	CC	AA	1940129542
SNP_P1_3006_6148799	NC_021160.1	Ca_kabuli_chr01	6148799	TT	CC	1940129543
SNP_P1_3007_6148850	NC_021160.1	Ca_kabuli_chr01	6148850	AA	GG	1940129545
SNP_P1_3008_6149652	NC_021160.1	Ca_kabuli_chr01	6149652	CC	AA	1940129546
SNP_P1_3009_6150034	NC_021160.1	Ca_kabuli_chr01	6150034	TT	CC	1940129547
SNP_P1_3010_6150056	NC_021160.1	Ca_kabuli_chr01	6150056	TT	CC	1940129548
SNP_P1_3011_6151625	NC_021160.1	Ca_kabuli_chr01	6151625	GG	TT	1940129549
SNP_P1_3012_6151771	NC_021160.1	Ca_kabuli_chr01	6151771	AA	TT	1940129550
SNP_P1_3013_6153924	NC_021160.1	Ca_kabuli_chr01	6153924	CC	TT	1940129551
SNP_P1_3014_6155943	NC_021160.1	Ca_kabuli_chr01	6155943	GG	CC	1940129552

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3016_6156008	NC_021160.1	Ca_kabuli_chr01	6156008	AA	GG	1940129554
SNP_P1_3017_6156185	NC_021160.1	Ca_kabuli_chr01	6156185	CC	TT	1940129555
SNP_P1_3018_6156297	NC_021160.1	Ca_kabuli_chr01	6156297	TT	CC	1940129556
SNP_P1_3019_6156574	NC_021160.1	Ca_kabuli_chr01	6156574	CC	TT	1940129557
SNP_P1_3020_6156615	NC_021160.1	Ca_kabuli_chr01	6156615	TT	CC	1940129558
SNP_P1_3021_6156886	NC_021160.1	Ca_kabuli_chr01	6156886	GG	CC	1940129559
SNP_P1_3022_6156899	NC_021160.1	Ca_kabuli_chr01	6156899	AA	TT	1940129560
SNP_P1_3023_6157270	NC_021160.1	Ca_kabuli_chr01	6157270	CC	GG	1940129561
SNP_P1_3024_6157280	NC_021160.1	Ca_kabuli_chr01	6157280	CC	TT	1940129562
SNP_P1_3025_6157514	NC_021160.1	Ca_kabuli_chr01	6157514	AA	GG	1940129563
SNP_P1_3026_6157565	NC_021160.1	Ca_kabuli_chr01	6157565	GG	AA	1940129564
SNP_P1_3028_6158695	NC_021160.1	Ca_kabuli_chr01	6158695	CC	AA	1940129565
SNP_P1_3029_6158961	NC_021160.1	Ca_kabuli_chr01	6158961	AA	TT	1940129566
SNP_P1_3031_6159040	NC_021160.1	Ca_kabuli_chr01	6159040	GG	AA	1940129567
SNP_P1_3032_6159045	NC_021160.1	Ca_kabuli_chr01	6159045	AA	GG	1940129568
SNP_P1_3033_6159049	NC_021160.1	Ca_kabuli_chr01	6159049	TT	CC	1940129569
SNP_P1_3034_6159068	NC_021160.1	Ca_kabuli_chr01	6159068	TT	CC	1940129570
SNP_P1_3035_6160045	NC_021160.1	Ca_kabuli_chr01	6160045	GG	AA	1940129571
SNP_P1_3036_6160134	NC_021160.1	Ca_kabuli_chr01	6160134	AA	TT	1940129572
SNP_P1_3037_6162019	NC_021160.1	Ca_kabuli_chr01	6162019	GG	AA	1940129573
SNP_P1_3038_6162033	NC_021160.1	Ca_kabuli_chr01	6162033	CC	TT	1940129574
SNP_P1_3039_6162034	NC_021160.1	Ca_kabuli_chr01	6162034	GG	AA	1940129575
SNP_P1_3040_6162693	NC_021160.1	Ca_kabuli_chr01	6162693	TT	CC	1940129576
SNP_P1_3042_6164103	NC_021160.1	Ca_kabuli_chr01	6164103	GG	CC	1940129577
SNP_P1_3043_6164613	NC_021160.1	Ca_kabuli_chr01	6164613	CC	TT	1940129578
SNP_P1_3044_6165073	NC_021160.1	Ca_kabuli_chr01	6165073	CC	TT	1940129579
SNP_P1_3045_6165140	NC_021160.1	Ca_kabuli_chr01	6165140	GG	AA	1940129580
SNP_P1_3046_6165242	NC_021160.1	Ca_kabuli_chr01	6165242	TT	CC	1940129581
SNP_P1_3047_6165245	NC_021160.1	Ca_kabuli_chr01	6165245	TT	CC	1940129582
SNP_P1_3048_6165298	NC_021160.1	Ca_kabuli_chr01	6165298	CC	TT	1940129583
SNP_P1_3049_6166038	NC_021160.1	Ca_kabuli_chr01	6166038	GG	AA	1940129584
SNP_P1_3051_6166104	NC_021160.1	Ca_kabuli_chr01	6166104	AA	GG	1940129585
SNP_P1_3053_6166353	NC_021160.1	Ca_kabuli_chr01	6166353	AA	GG	1940129587
SNP_P1_3054_6166359	NC_021160.1	Ca_kabuli_chr01	6166359	TT	CC	1940129588
SNP_P1_3055_6166445	NC_021160.1	Ca_kabuli_chr01	6166445	CC	AA	1940129589
SNP_P1_3056_6174191	NC_021160.1	Ca_kabuli_chr01	6174191	GG	AA	1940129590
SNP_P1_3057_6174409	NC_021160.1	Ca_kabuli_chr01	6174409	GG	AA	1940129591
SNP_P1_3058_6174419	NC_021160.1	Ca_kabuli_chr01	6174419	TT	CC	1940129592
SNP_P1_3059_6174448	NC_021160.1	Ca_kabuli_chr01	6174448	TT	CC	1940129593
SNP_P1_3060_6174451	NC_021160.1	Ca_kabuli_chr01	6174451	GG	AA	1940129594
SNP_P1_3061_6174566	NC_021160.1	Ca_kabuli_chr01	6174566	TT	AA	1940129595

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3064_6175522	NC_021160.1	Ca_kabuli_chr01	6175522	TT	AA	1940129597
SNP_P1_3065_6176674	NC_021160.1	Ca_kabuli_chr01	6176674	CC	TT	1940129598
SNP_P1_3066_6176767	NC_021160.1	Ca_kabuli_chr01	6176767	CC	TT	1940129599
SNP_P1_3067_6176916	NC_021160.1	Ca_kabuli_chr01	6176916	CC	TT	1940129600
SNP_P1_3069_6177110	NC_021160.1	Ca_kabuli_chr01	6177110	CC	TT	1940129601
SNP_P1_3070_6177130	NC_021160.1	Ca_kabuli_chr01	6177130	CC	TT	1940129602
SNP_P1_3071_6177486	NC_021160.1	Ca_kabuli_chr01	6177486	CC	AA	1940129603
SNP_P1_3072_6177872	NC_021160.1	Ca_kabuli_chr01	6177872	TT	AA	1940129604
SNP_P1_3073_6177982	NC_021160.1	Ca_kabuli_chr01	6177982	CC	TT	1940129605
SNP_P1_3075_6178237	NC_021160.1	Ca_kabuli_chr01	6178237	TT	AA	1940129606
SNP_P1_3076_6178270	NC_021160.1	Ca_kabuli_chr01	6178270	GG	AA	1940129607
SNP_P1_3077_6178576	NC_021160.1	Ca_kabuli_chr01	6178576	TT	CC	1940129608
SNP_P1_3078_6178810	NC_021160.1	Ca_kabuli_chr01	6178810	GG	AA	1940129609
SNP_P1_3079_6193249	NC_021160.1	Ca_kabuli_chr01	6193249	GG	AA	1940129610
SNP_P1_3080_6193476	NC_021160.1	Ca_kabuli_chr01	6193476	GG	TT	1940129611
SNP_P1_3081_6193716	NC_021160.1	Ca_kabuli_chr01	6193716	GG	AA	1940129612
SNP_P1_3082_6201697	NC_021160.1	Ca_kabuli_chr01	6201697	GG	AA	1940129613
SNP_P1_3083_6201740	NC_021160.1	Ca_kabuli_chr01	6201740	TT	AA	1940129614
SNP_P1_3084_6201917	NC_021160.1	Ca_kabuli_chr01	6201917	TT	CC	1940129615
SNP_P1_3085_6201992	NC_021160.1	Ca_kabuli_chr01	6201992	AA	TT	1940129616
SNP_P1_3086_6202279	NC_021160.1	Ca_kabuli_chr01	6202279	GG	CC	1940129617
SNP_P1_3087_6202343	NC_021160.1	Ca_kabuli_chr01	6202343	AA	CC	1940129618
SNP_P1_3088_6202600	NC_021160.1	Ca_kabuli_chr01	6202600	TT	AA	1940129619
SNP_P1_3090_6202766	NC_021160.1	Ca_kabuli_chr01	6202766	TT	AA	1940129620
SNP_P1_3092_6203679	NC_021160.1	Ca_kabuli_chr01	6203679	AA	GG	1940129622
SNP_P1_3093_6203794	NC_021160.1	Ca_kabuli_chr01	6203794	GG	CC	1940129623
SNP_P1_3094_6204360	NC_021160.1	Ca_kabuli_chr01	6204360	GG	AA	1940129624
SNP_P1_3096_6205079	NC_021160.1	Ca_kabuli_chr01	6205079	AA	GG	1940129625
SNP_P1_3098_6205421	NC_021160.1	Ca_kabuli_chr01	6205421	AA	GG	1940129626
SNP_P1_3099_6205630	NC_021160.1	Ca_kabuli_chr01	6205630	GG	AA	1940129627
SNP_P1_3100_6206224	NC_021160.1	Ca_kabuli_chr01	6206224	AA	GG	1940129628
SNP_P1_3101_6206325	NC_021160.1	Ca_kabuli_chr01	6206325	AA	CC	1940129629
SNP_P1_3102_6206387	NC_021160.1	Ca_kabuli_chr01	6206387	GG	AA	1940129630
SNP_P1_3103_6206426	NC_021160.1	Ca_kabuli_chr01	6206426	CC	TT	1940129631
SNP_P1_3104_6206449	NC_021160.1	Ca_kabuli_chr01	6206449	CC	TT	1940129632
SNP_P1_3105_6206458	NC_021160.1	Ca_kabuli_chr01	6206458	GG	AA	1940129633
SNP_P1_3106_6206465	NC_021160.1	Ca_kabuli_chr01	6206465	CC	TT	1940129634
SNP_P1_3107_6206495	NC_021160.1	Ca_kabuli_chr01	6206495	TT	CC	1940129635
SNP_P1_3108_6206543	NC_021160.1	Ca_kabuli_chr01	6206543	AA	CC	1940129636
SNP_P1_3110_6206629	NC_021160.1	Ca_kabuli_chr01	6206629	CC	AA	1940129637
SNP_P1_3111_6206630	NC_021160.1	Ca_kabuli_chr01	6206630	CC	TT	1940129638

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3113_6206661	NC_021160.1	Ca_kabuli_chr01	6206661	AA	TT	1940129640
SNP_P1_3114_6206677	NC_021160.1	Ca_kabuli_chr01	6206677	TT	AA	1940129641
SNP_P1_3115_6206685	NC_021160.1	Ca_kabuli_chr01	6206685	CC	TT	1940129642
SNP_P1_3118_6216123	NC_021160.1	Ca_kabuli_chr01	6216123	CC	TT	1940129643
SNP_P1_3119_6219089	NC_021160.1	Ca_kabuli_chr01	6219089	CC	TT	1940129644
SNP_P1_3121_6219401	NC_021160.1	Ca_kabuli_chr01	6219401	GG	AA	1940129645
SNP_P1_3122_6222163	NC_021160.1	Ca_kabuli_chr01	6222163	CC	TT	1940129646
SNP_P1_3123_6222208	NC_021160.1	Ca_kabuli_chr01	6222208	GG	AA	1940129647
SNP_P1_3124_6223734	NC_021160.1	Ca_kabuli_chr01	6223734	CC	TT	1940129648
SNP_P1_3126_6231831	NC_021160.1	Ca_kabuli_chr01	6231831	AA	TT	1940129649
SNP_P1_3127_6232110	NC_021160.1	Ca_kabuli_chr01	6232110	AA	GG	1940129650
SNP_P1_3128_6232508	NC_021160.1	Ca_kabuli_chr01	6232508	CC	TT	1940129651
SNP_P1_3129_6255214	NC_021160.1	Ca_kabuli_chr01	6255214	GG	TT	1940129652
SNP_P1_3130_6255422	NC_021160.1	Ca_kabuli_chr01	6255422	TT	GG	1940129653
SNP_P1_3131_6255423	NC_021160.1	Ca_kabuli_chr01	6255423	TT	CC	1940129654
SNP_P1_3132_6256058	NC_021160.1	Ca_kabuli_chr01	6256058	TT	AA	1940129655
SNP_P1_3133_6257653	NC_021160.1	Ca_kabuli_chr01	6257653	CC	GG	1940129656
SNP_P1_3134_6257712	NC_021160.1	Ca_kabuli_chr01	6257712	AA	TT	1940129657
SNP_P1_3135_6260370	NC_021160.1	Ca_kabuli_chr01	6260370	TT	CC	1940129658
SNP_P1_3136_6260388	NC_021160.1	Ca_kabuli_chr01	6260388	AA	TT	1940129659
SNP_P1_3137_6260713	NC_021160.1	Ca_kabuli_chr01	6260713	GG	AA	1940129660
SNP_P1_3139_6262461	NC_021160.1	Ca_kabuli_chr01	6262461	AA	GG	1940129661
SNP_P1_3140_6262529	NC_021160.1	Ca_kabuli_chr01	6262529	TT	GG	1940129662
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SNP_P1_3142_6263198	NC_021160.1	Ca_kabuli_chr01	6263198	TT	AA	1940129664
SNP_P1_3143_6263309	NC_021160.1	Ca_kabuli_chr01	6263309	TT	CC	1940129665
SNP_P1_3144_6263394	NC_021160.1	Ca_kabuli_chr01	6263394	AA	GG	1940129666
SNP_P1_3145_6263598	NC_021160.1	Ca_kabuli_chr01	6263598	GG	AA	1940129667
SNP_P1_3146_6265220	NC_021160.1	Ca_kabuli_chr01	6265220	GG	AA	1940129668
SNP_P1_3147_6265463	NC_021160.1	Ca_kabuli_chr01	6265463	AA	GG	1940129669
SNP_P1_3148_6265483	NC_021160.1	Ca_kabuli_chr01	6265483	CC	TT	1940129670
SNP_P1_3149_6265693	NC_021160.1	Ca_kabuli_chr01	6265693	GG	CC	1940129671
SNP_P1_3151_6267212	NC_021160.1	Ca_kabuli_chr01	6267212	AA	GG	1940129672
SNP_P1_3152_6267217	NC_021160.1	Ca_kabuli_chr01	6267217	TT	CC	1940129674
SNP_P1_3153_6267575	NC_021160.1	Ca_kabuli_chr01	6267575	AA	GG	1940129675
SNP_P1_3154_6267588	NC_021160.1	Ca_kabuli_chr01	6267588	CC	AA	1940129676
SNP_P1_3156_6268446	NC_021160.1	Ca_kabuli_chr01	6268446	AA	TT	1940129677
SNP_P1_3157_6268455	NC_021160.1	Ca_kabuli_chr01	6268455	AA	GG	1940129678
SNP_P1_3158_6268503	NC_021160.1	Ca_kabuli_chr01	6268503	AA	TT	1940129679
SNP_P1_3159_6268514	NC_021160.1	Ca_kabuli_chr01	6268514	TT	CC	1940129680
SNP_P1_3160_6268519	NC_021160.1	Ca_kabuli_chr01	6268519	CC	TT	1940129681

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3162_6268787	NC_021160.1	Ca_kabuli_chr01	6268787	AA	GG	1940129683
SNP_P1_3163_6269730	NC_021160.1	Ca_kabuli_chr01	6269730	GG	AA	1940129684
SNP_P1_3165_6270130	NC_021160.1	Ca_kabuli_chr01	6270130	GG	CC	1940129685
SNP_P1_3166_6270271	NC_021160.1	Ca_kabuli_chr01	6270271	TT	AA	1940129686
SNP_P1_3167_6270340	NC_021160.1	Ca_kabuli_chr01	6270340	AA	CC	1940129687
SNP_P1_3168_6270501	NC_021160.1	Ca_kabuli_chr01	6270501	CC	TT	1940129688
SNP_P1_3169_6270956	NC_021160.1	Ca_kabuli_chr01	6270956	GG	AA	1940129689
SNP_P1_3170_6271647	NC_021160.1	Ca_kabuli_chr01	6271647	TT	CC	1940129690
SNP_P1_3171_6271843	NC_021160.1	Ca_kabuli_chr01	6271843	CC	TT	1940129691
SNP_P1_3172_6271850	NC_021160.1	Ca_kabuli_chr01	6271850	TT	GG	1940129692
SNP_P1_3173_6271859	NC_021160.1	Ca_kabuli_chr01	6271859	GG	AA	1940129693
SNP_P1_3174_6271887	NC_021160.1	Ca_kabuli_chr01	6271887	TT	CC	1940129694
SNP_P1_3175_6271890	NC_021160.1	Ca_kabuli_chr01	6271890	AA	GG	1940129695
SNP_P1_3176_6272103	NC_021160.1	Ca_kabuli_chr01	6272103	GG	CC	1940129696
SNP_P1_3177_6272154	NC_021160.1	Ca_kabuli_chr01	6272154	CC	TT	1940129697
SNP_P1_3178_6272206	NC_021160.1	Ca_kabuli_chr01	6272206	AA	GG	1940129698
SNP_P1_3179_6272213	NC_021160.1	Ca_kabuli_chr01	6272213	AA	TT	1940129699
SNP_P1_3180_6272257	NC_021160.1	Ca_kabuli_chr01	6272257	CC	TT	1940129700
SNP_P1_3181_6276202	NC_021160.1	Ca_kabuli_chr01	6276202	GG	AA	1940129701
SNP_P1_3182_6276219	NC_021160.1	Ca_kabuli_chr01	6276219	AA	CC	1940129702
SNP_P1_3183_6276309	NC_021160.1	Ca_kabuli_chr01	6276309	CC	TT	1940129703
SNP_P1_3184_6276653	NC_021160.1	Ca_kabuli_chr01	6276653	TT	CC	1940129704
SNP_P1_3187_6281101	NC_021160.1	Ca_kabuli_chr01	6281101	GG	AA	1940129705
SNP_P1_3188_6284016	NC_021160.1	Ca_kabuli_chr01	6284016	CC	TT	1940129706
SNP_P1_3190_6284185	NC_021160.1	Ca_kabuli_chr01	6284185	AA	GG	1940129707
SNP_P1_3191_6284281	NC_021160.1	Ca_kabuli_chr01	6284281	TT	CC	1940129708
SNP_P1_3192_6285415	NC_021160.1	Ca_kabuli_chr01	6285415	TT	AA	1940129709
SNP_P1_3193_6286227	NC_021160.1	Ca_kabuli_chr01	6286227	AA	TT	1940129710
SNP_P1_3195_6286515	NC_021160.1	Ca_kabuli_chr01	6286515	AA	GG	1940129711
SNP_P1_3196_6286519	NC_021160.1	Ca_kabuli_chr01	6286519	AA	GG	1940129712
SNP_P1_3197_6286588	NC_021160.1	Ca_kabuli_chr01	6286588	TT	CC	1940129714
SNP_P1_3198_6286705	NC_021160.1	Ca_kabuli_chr01	6286705	CC	TT	1940129715
SNP_P1_3199_6287218	NC_021160.1	Ca_kabuli_chr01	6287218	TT	CC	1940129716
SNP_P1_3200_6288288	NC_021160.1	Ca_kabuli_chr01	6288288	GG	AA	1940129717
SNP_P1_3201_6288343	NC_021160.1	Ca_kabuli_chr01	6288343	TT	GG	1940129718
SNP_P1_3202_6288495	NC_021160.1	Ca_kabuli_chr01	6288495	GG	AA	1940129719
SNP_P1_3203_6288779	NC_021160.1	Ca_kabuli_chr01	6288779	GG	AA	1940129720
SNP_P1_3204_6290698	NC_021160.1	Ca_kabuli_chr01	6290698	TT	CC	1940129721
SNP_P1_3205_6290699	NC_021160.1	Ca_kabuli_chr01	6290699	AA	GG	1940129722
SNP_P1_3206_6290719	NC_021160.1	Ca_kabuli_chr01	6290719	TT	CC	1940129723
SNP_P1_3207_6290803	NC_021160.1	Ca_kabuli_chr01	6290803	TT	GG	1940129724

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3209_6290966	NC_021160.1	Ca_kabuli_chr01	6290966	CC	TT	1940129726
SNP_P1_3210_6291418	NC_021160.1	Ca_kabuli_chr01	6291418	TT	AA	1940129727
SNP_P1_3211_6291480	NC_021160.1	Ca_kabuli_chr01	6291480	AA	GG	1940129728
SNP_P1_3212_6291650	NC_021160.1	Ca_kabuli_chr01	6291650	GG	CC	1940129729
SNP_P1_3213_6291829	NC_021160.1	Ca_kabuli_chr01	6291829	TT	CC	1940129730
SNP_P1_3214_6291841	NC_021160.1	Ca_kabuli_chr01	6291841	AA	GG	1940129731
SNP_P1_3215_6291928	NC_021160.1	Ca_kabuli_chr01	6291928	CC	AA	1940129732
SNP_P1_3216_6292058	NC_021160.1	Ca_kabuli_chr01	6292058	CC	GG	1940129733
SNP_P1_3217_6292064	NC_021160.1	Ca_kabuli_chr01	6292064	CC	TT	1940129734
SNP_P1_3218_6292066	NC_021160.1	Ca_kabuli_chr01	6292066	AA	GG	1940129735
SNP_P1_3219_6292103	NC_021160.1	Ca_kabuli_chr01	6292103	GG	AA	1940129736
SNP_P1_3220_6292364	NC_021160.1	Ca_kabuli_chr01	6292364	AA	CC	1940129737
SNP_P1_3221_6292536	NC_021160.1	Ca_kabuli_chr01	6292536	TT	CC	1940129738
SNP_P1_3222_6292813	NC_021160.1	Ca_kabuli_chr01	6292813	AA	TT	1940129739
SNP_P1_3223_6293000	NC_021160.1	Ca_kabuli_chr01	6293000	GG	AA	1940129740
SNP_P1_3226_6294456	NC_021160.1	Ca_kabuli_chr01	6294456	AA	GG	1940129741
SNP_P1_3227_6296858	NC_021160.1	Ca_kabuli_chr01	6296858	GG	AA	1940129742
SNP_P1_3228_6298006	NC_021160.1	Ca_kabuli_chr01	6298006	TT	CC	1940129743
SNP_P1_3229_6298028	NC_021160.1	Ca_kabuli_chr01	6298028	GG	TT	1940129744
SNP_P1_3230_6298160	NC_021160.1	Ca_kabuli_chr01	6298160	AA	TT	1940129745
SNP_P1_3231_6298191	NC_021160.1	Ca_kabuli_chr01	6298191	AA	TT	1940129746
SNP_P1_3232_6298232	NC_021160.1	Ca_kabuli_chr01	6298232	GG	CC	1940129747
SNP_P1_3233_6298415	NC_021160.1	Ca_kabuli_chr01	6298415	GG	CC	1940129748
SNP_P1_3234_6298513	NC_021160.1	Ca_kabuli_chr01	6298513	GG	AA	1940129749
SNP_P1_3235_6298528	NC_021160.1	Ca_kabuli_chr01	6298528	TT	GG	1940129750
SNP_P1_3237_6298974	NC_021160.1	Ca_kabuli_chr01	6298974	TT	AA	1940129751
SNP_P1_3238_6298996	NC_021160.1	Ca_kabuli_chr01	6298996	GG	CC	1940129752
SNP_P1_3239_6299193	NC_021160.1	Ca_kabuli_chr01	6299193	GG	AA	1940129753
SNP_P1_3240_6299231	NC_021160.1	Ca_kabuli_chr01	6299231	AA	GG	1940129755
SNP_P1_3241_6299234	NC_021160.1	Ca_kabuli_chr01	6299234	CC	TT	1940129756
SNP_P1_3242_6299236	NC_021160.1	Ca_kabuli_chr01	6299236	CC	TT	1940129757
SNP_P1_3243_6299237	NC_021160.1	Ca_kabuli_chr01	6299237	CC	TT	1940129758
SNP_P1_3244_6299258	NC_021160.1	Ca_kabuli_chr01	6299258	TT	CC	1940129759
SNP_P1_3245_6299279	NC_021160.1	Ca_kabuli_chr01	6299279	AA	GG	1940129760
SNP_P1_3246_6299314	NC_021160.1	Ca_kabuli_chr01	6299314	AA	GG	1940129761
SNP_P1_3247_6299322	NC_021160.1	Ca_kabuli_chr01	6299322	CC	TT	1940129762
SNP_P1_3248_6299604	NC_021160.1	Ca_kabuli_chr01	6299604	GG	AA	1940129763
SNP_P1_3249_6299912	NC_021160.1	Ca_kabuli_chr01	6299912	TT	GG	1940129764
SNP_P1_3250_6300192	NC_021160.1	Ca_kabuli_chr01	6300192	AA	CC	1940129765
SNP_P1_3251_6300240	NC_021160.1	Ca_kabuli_chr01	6300240	TT	AA	1940129766
SNP_P1_3252_6300244	NC_021160.1	Ca_kabuli_chr01	6300244	GG	TT	1940129767

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3254_6300354	NC_021160.1	Ca_kabuli_chr01	6300354	AA	GG	1940129769
SNP_P1_3255_6303459	NC_021160.1	Ca_kabuli_chr01	6303459	TT	CC	1940129770
SNP_P1_3256_6303696	NC_021160.1	Ca_kabuli_chr01	6303696	TT	AA	1940129771
SNP_P1_3257_6303956	NC_021160.1	Ca_kabuli_chr01	6303956	GG	AA	1940129772
SNP_P1_3258_6304184	NC_021160.1	Ca_kabuli_chr01	6304184	AA	TT	1940129773
SNP_P1_3259_6305407	NC_021160.1	Ca_kabuli_chr01	6305407	CC	GG	1940129774
SNP_P1_3260_6305753	NC_021160.1	Ca_kabuli_chr01	6305753	TT	CC	1940129775
SNP_P1_3261_6306911	NC_021160.1	Ca_kabuli_chr01	6306911	AA	CC	1940129776
SNP_P1_3262_6307052	NC_021160.1	Ca_kabuli_chr01	6307052	CC	TT	1940129777
SNP_P1_3263_6307372	NC_021160.1	Ca_kabuli_chr01	6307372	AA	GG	1940129778
SNP_P1_3264_6307418	NC_021160.1	Ca_kabuli_chr01	6307418	GG	AA	1940129779
SNP_P1_3265_6307855	NC_021160.1	Ca_kabuli_chr01	6307855	AA	GG	1940129780
SNP_P1_3266_6308032	NC_021160.1	Ca_kabuli_chr01	6308032	AA	GG	1940129781
SNP_P1_3267_6309641	NC_021160.1	Ca_kabuli_chr01	6309641	TT	AA	1940129782
SNP_P1_3268_6309642	NC_021160.1	Ca_kabuli_chr01	6309642	TT	AA	1940129784
SNP_P1_3270_6311493	NC_021160.1	Ca_kabuli_chr01	6311493	GG	AA	1940129785
SNP_P1_3271_6311532	NC_021160.1	Ca_kabuli_chr01	6311532	AA	CC	1940129786
SNP_P1_3272_6311556	NC_021160.1	Ca_kabuli_chr01	6311556	AA	TT	1940129787
SNP_P1_3273_6311668	NC_021160.1	Ca_kabuli_chr01	6311668	CC	AA	1940129788
SNP_P1_3275_6311854	NC_021160.1	Ca_kabuli_chr01	6311854	GG	AA	1940129789
SNP_P1_3276_6312220	NC_021160.1	Ca_kabuli_chr01	6312220	GG	TT	1940129790
SNP_P1_3277_6312223	NC_021160.1	Ca_kabuli_chr01	6312223	AA	TT	1940129791
SNP_P1_3278_6312790	NC_021160.1	Ca_kabuli_chr01	6312790	CC	TT	1940129792
SNP_P1_3279_6313246	NC_021160.1	Ca_kabuli_chr01	6313246	TT	CC	1940129793
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SNP_P1_3281_6313545	NC_021160.1	Ca_kabuli_chr01	6313545	TT	AA	1940129795
SNP_P1_3282_6313573	NC_021160.1	Ca_kabuli_chr01	6313573	CC	TT	1940129796
SNP_P1_3283_6313574	NC_021160.1	Ca_kabuli_chr01	6313574	AA	CC	1940129797
SNP_P1_3285_6313974	NC_021160.1	Ca_kabuli_chr01	6313974	AA	TT	1940129798
SNP_P1_3286_6314365	NC_021160.1	Ca_kabuli_chr01	6314365	AA	TT	1940129799
SNP_P1_3287_6314366	NC_021160.1	Ca_kabuli_chr01	6314366	AA	TT	1940129800
SNP_P1_3288_6314367	NC_021160.1	Ca_kabuli_chr01	6314367	AA	TT	1940129801
SNP_P1_3290_6316086	NC_021160.1	Ca_kabuli_chr01	6316086	CC	TT	1940129802
SNP_P1_3293_6320656	NC_021160.1	Ca_kabuli_chr01	6320656	GG	AA	1940129803
SNP_P1_3294_6320672	NC_021160.1	Ca_kabuli_chr01	6320672	AA	CC	1940129804
SNP_P1_3295_6320858	NC_021160.1	Ca_kabuli_chr01	6320858	GG	TT	1940129805
SNP_P1_3297_6322360	NC_021160.1	Ca_kabuli_chr01	6322360	AA	GG	1940129806
SNP_P1_3298_6322371	NC_021160.1	Ca_kabuli_chr01	6322371	AA	GG	1940129807
SNP_P1_3299_6322411	NC_021160.1	Ca_kabuli_chr01	6322411	GG	AA	1940129808
SNP_P1_3300_6322420	NC_021160.1	Ca_kabuli_chr01	6322420	AA	TT	1940129809
SNP_P1_3301_6322422	NC_021160.1	Ca_kabuli_chr01	6322422	TT	AA	1940129810

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3303_6323186	NC_021160.1	Ca_kabuli_chr01	6323186	TT	AA	1940129812
SNP_P1_3304_6323187	NC_021160.1	Ca_kabuli_chr01	6323187	CC	TT	1940129813
SNP_P1_3305_6323188	NC_021160.1	Ca_kabuli_chr01	6323188	GG	CC	1940129814
SNP_P1_3306_6323232	NC_021160.1	Ca_kabuli_chr01	6323232	CC	TT	1940129815
SNP_P1_3307_6325554	NC_021160.1	Ca_kabuli_chr01	6325554	TT	GG	1940129816
SNP_P1_3308_6325597	NC_021160.1	Ca_kabuli_chr01	6325597	TT	CC	1940129817
SNP_P1_3309_6325613	NC_021160.1	Ca_kabuli_chr01	6325613	GG	AA	1940129818
SNP_P1_3310_6325632	NC_021160.1	Ca_kabuli_chr01	6325632	AA	GG	1940129819
SNP_P1_3311_6326176	NC_021160.1	Ca_kabuli_chr01	6326176	TT	CC	1940129820
SNP_P1_3312_6327309	NC_021160.1	Ca_kabuli_chr01	6327309	CC	AA	1940129821
SNP_P1_3313_6328244	NC_021160.1	Ca_kabuli_chr01	6328244	AA	GG	1940129822
SNP_P1_3314_6328714	NC_021160.1	Ca_kabuli_chr01	6328714	TT	CC	1940129823
SNP_P1_3315_6328801	NC_021160.1	Ca_kabuli_chr01	6328801	AA	TT	1940129824
SNP_P1_3316_6330777	NC_021160.1	Ca_kabuli_chr01	6330777	CC	TT	1940129825
SNP_P1_3317_6330948	NC_021160.1	Ca_kabuli_chr01	6330948	AA	CC	1940129827
SNP_P1_3318_6331188	NC_021160.1	Ca_kabuli_chr01	6331188	TT	CC	1940129828
SNP_P1_3319_6331210	NC_021160.1	Ca_kabuli_chr01	6331210	AA	GG	1940129829
SNP_P1_3320_6332268	NC_021160.1	Ca_kabuli_chr01	6332268	GG	TT	1940129830
SNP_P1_3321_6335143	NC_021160.1	Ca_kabuli_chr01	6335143	GG	AA	1940129831
SNP_P1_3322_6335173	NC_021160.1	Ca_kabuli_chr01	6335173	AA	GG	1940129832
SNP_P1_3323_6335489	NC_021160.1	Ca_kabuli_chr01	6335489	CC	TT	1940129833
SNP_P1_3324_6335757	NC_021160.1	Ca_kabuli_chr01	6335757	TT	AA	1940129834
SNP_P1_3325_6335773	NC_021160.1	Ca_kabuli_chr01	6335773	TT	AA	1940129835
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SNP_P1_3327_6336550	NC_021160.1	Ca_kabuli_chr01	6336550	AA	GG	1940129837
SNP_P1_3328_6336598	NC_021160.1	Ca_kabuli_chr01	6336598	AA	CC	1940129838
SNP_P1_3329_6336769	NC_021160.1	Ca_kabuli_chr01	6336769	TT	GG	1940129839
SNP_P1_3330_6336807	NC_021160.1	Ca_kabuli_chr01	6336807	AA	GG	1940129840
SNP_P1_3331_6337219	NC_021160.1	Ca_kabuli_chr01	6337219	CC	TT	1940129841
SNP_P1_3332_6337225	NC_021160.1	Ca_kabuli_chr01	6337225	GG	AA	1940129842
SNP_P1_3333_6337230	NC_021160.1	Ca_kabuli_chr01	6337230	GG	AA	1940129843
SNP_P1_3334_6337440	NC_021160.1	Ca_kabuli_chr01	6337440	CC	TT	1940129844
SNP_P1_3335_6337502	NC_021160.1	Ca_kabuli_chr01	6337502	TT	AA	1940129845
SNP_P1_3336_6337517	NC_021160.1	Ca_kabuli_chr01	6337517	AA	CC	1940129846
SNP_P1_3337_6337661	NC_021160.1	Ca_kabuli_chr01	6337661	TT	CC	1940129847
SNP_P1_3339_6337807	NC_021160.1	Ca_kabuli_chr01	6337807	CC	AA	1940129848
SNP_P1_3341_6337870	NC_021160.1	Ca_kabuli_chr01	6337870	GG	AA	1940129849
SNP_P1_3342_6338160	NC_021160.1	Ca_kabuli_chr01	6338160	TT	AA	1940129850
SNP_P1_3343_6338193	NC_021160.1	Ca_kabuli_chr01	6338193	AA	CC	1940129851
SNP_P1_3345_6339073	NC_021160.1	Ca_kabuli_chr01	6339073	TT	CC	1940129852
SNP_P1_3346_6339091	NC_021160.1	Ca_kabuli_chr01	6339091	GG	AA	1940129853

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3349_6344682	NC_021160.1	Ca_kabuli_chr01	6344682	AA	GG	1940129856
SNP_P1_3350_6345615	NC_021160.1	Ca_kabuli_chr01	6345615	AA	GG	1940129857
SNP_P1_3352_6351400	NC_021160.1	Ca_kabuli_chr01	6351400	CC	TT	1940129858
SNP_P1_3353_6351418	NC_021160.1	Ca_kabuli_chr01	6351418	TT	GG	1940129859
SNP_P1_3354_6351482	NC_021160.1	Ca_kabuli_chr01	6351482	AA	GG	1940129860
SNP_P1_3355_6351558	NC_021160.1	Ca_kabuli_chr01	6351558	GG	AA	1940129861
SNP_P1_3356_6351624	NC_021160.1	Ca_kabuli_chr01	6351624	GG	CC	1940129862
SNP_P1_3358_6352693	NC_021160.1	Ca_kabuli_chr01	6352693	CC	TT	1940129863
SNP_P1_3359_6352752	NC_021160.1	Ca_kabuli_chr01	6352752	TT	CC	1940129864
SNP_P1_3360_6352948	NC_021160.1	Ca_kabuli_chr01	6352948	GG	AA	1940129865
SNP_P1_3361_6353357	NC_021160.1	Ca_kabuli_chr01	6353357	TT	CC	1940129866
SNP_P1_3362_6353795	NC_021160.1	Ca_kabuli_chr01	6353795	GG	CC	1940129867
SNP_P1_3363_6354082	NC_021160.1	Ca_kabuli_chr01	6354082	TT	AA	1940129868
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SNP_P1_3365_6358807	NC_021160.1	Ca_kabuli_chr01	6358807	AA	CC	1940129870
SNP_P1_3366_6359228	NC_021160.1	Ca_kabuli_chr01	6359228	AA	GG	1940129871
SNP_P1_3367_6359235	NC_021160.1	Ca_kabuli_chr01	6359235	AA	GG	1940129873
SNP_P1_3368_6359298	NC_021160.1	Ca_kabuli_chr01	6359298	TT	CC	1940129874
SNP_P1_3369_6359432	NC_021160.1	Ca_kabuli_chr01	6359432	TT	CC	1940129875
SNP_P1_3370_6359483	NC_021160.1	Ca_kabuli_chr01	6359483	TT	GG	1940129876
SNP_P1_3371_6360296	NC_021160.1	Ca_kabuli_chr01	6360296	GG	AA	1940129877
SNP_P1_3372_6360324	NC_021160.1	Ca_kabuli_chr01	6360324	AA	TT	1940129878
SNP_P1_3373_6361098	NC_021160.1	Ca_kabuli_chr01	6361098	CC	AA	1940129879
SNP_P1_3374_6361109	NC_021160.1	Ca_kabuli_chr01	6361109	AA	GG	1940129880
SNP_P1_3375_6362574	NC_021160.1	Ca_kabuli_chr01	6362574	CC	TT	1940129881
SNP_P1_3376_6362575	NC_021160.1	Ca_kabuli_chr01	6362575	TT	CC	1940129882
SNP_P1_3377_6362642	NC_021160.1	Ca_kabuli_chr01	6362642	GG	TT	1940129883
SNP_P1_3379_6362863	NC_021160.1	Ca_kabuli_chr01	6362863	TT	CC	1940129884
SNP_P1_3380_6362936	NC_021160.1	Ca_kabuli_chr01	6362936	TT	CC	1940129885
SNP_P1_3381_6363123	NC_021160.1	Ca_kabuli_chr01	6363123	GG	TT	1940129886
SNP_P1_3383_6363152	NC_021160.1	Ca_kabuli_chr01	6363152	TT	CC	1940129887
SNP_P1_3384_6363431	NC_021160.1	Ca_kabuli_chr01	6363431	CC	TT	1940129888
SNP_P1_3385_6363439	NC_021160.1	Ca_kabuli_chr01	6363439	AA	TT	1940129889
SNP_P1_3386_6363821	NC_021160.1	Ca_kabuli_chr01	6363821	CC	TT	1940129890
SNP_P1_3387_6364655	NC_021160.1	Ca_kabuli_chr01	6364655	AA	TT	1940129891
SNP_P1_3388_6364745	NC_021160.1	Ca_kabuli_chr01	6364745	AA	TT	1940129892
SNP_P1_3389_6364945	NC_021160.1	Ca_kabuli_chr01	6364945	AA	GG	1940129893
SNP_P1_3390_6365723	NC_021160.1	Ca_kabuli_chr01	6365723	TT	CC	1940129894
SNP_P1_3391_6365808	NC_021160.1	Ca_kabuli_chr01	6365808	GG	AA	1940129895
SNP_P1_3392_6365966	NC_021160.1	Ca_kabuli_chr01	6365966	CC	AA	1940129896

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3394_6367941	NC_021160.1	Ca_kabuli_chr01	6367941	TT	CC	1940129898
SNP_P1_3395_6367961	NC_021160.1	Ca_kabuli_chr01	6367961	GG	AA	1940129899
SNP_P1_3396_6368018	NC_021160.1	Ca_kabuli_chr01	6368018	TT	CC	1940129900
SNP_P1_3397_6368257	NC_021160.1	Ca_kabuli_chr01	6368257	TT	CC	1940129901
SNP_P1_3398_6368263	NC_021160.1	Ca_kabuli_chr01	6368263	TT	GG	1940129902
SNP_P1_3399_6369718	NC_021160.1	Ca_kabuli_chr01	6369718	AA	GG	1940129903
SNP_P1_3400_6369757	NC_021160.1	Ca_kabuli_chr01	6369757	GG	TT	1940129904
SNP_P1_3401_6369968	NC_021160.1	Ca_kabuli_chr01	6369968	TT	AA	1940129905
SNP_P1_3402_6374088	NC_021160.1	Ca_kabuli_chr01	6374088	TT	CC	1940129906
SNP_P1_3404_6374324	NC_021160.1	Ca_kabuli_chr01	6374324	TT	GG	1940129907
SNP_P1_3406_6383877	NC_021160.1	Ca_kabuli_chr01	6383877	CC	TT	1940129908
SNP_P1_3407_6384877	NC_021160.1	Ca_kabuli_chr01	6384877	CC	TT	1940129909
SNP_P1_3408_6385160	NC_021160.1	Ca_kabuli_chr01	6385160	GG	CC	1940129910
SNP_P1_3409_6385583	NC_021160.1	Ca_kabuli_chr01	6385583	TT	CC	1940129911
SNP_P1_3410_6385694	NC_021160.1	Ca_kabuli_chr01	6385694	TT	CC	1940129912
SNP_P1_3411_6386204	NC_021160.1	Ca_kabuli_chr01	6386204	AA	GG	1940129913
SNP_P1_3412_6386374	NC_021160.1	Ca_kabuli_chr01	6386374	CC	TT	1940129914
SNP_P1_3413_6387582	NC_021160.1	Ca_kabuli_chr01	6387582	CC	TT	1940129915
SNP_P1_3414_6388439	NC_021160.1	Ca_kabuli_chr01	6388439	CC	TT	1940129916
SNP_P1_3415_6389527	NC_021160.1	Ca_kabuli_chr01	6389527	GG	AA	1940129918
SNP_P1_3416_6389528	NC_021160.1	Ca_kabuli_chr01	6389528	TT	CC	1940129919
SNP_P1_3417_6394229	NC_021160.1	Ca_kabuli_chr01	6394229	GG	AA	1940129920
SNP_P1_3418_6394311	NC_021160.1	Ca_kabuli_chr01	6394311	CC	TT	1940129921
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SNP_P1_3420_6394333	NC_021160.1	Ca_kabuli_chr01	6394333	GG	AA	1940129923
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SNP_P1_3422_6394370	NC_021160.1	Ca_kabuli_chr01	6394370	CC	TT	1940129925
SNP_P1_3423_6394389	NC_021160.1	Ca_kabuli_chr01	6394389	TT	CC	1940129926
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SNP_P1_3425_6394552	NC_021160.1	Ca_kabuli_chr01	6394552	GG	AA	1940129928
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SNP_P1_3429_6394655	NC_021160.1	Ca_kabuli_chr01	6394655	GG	TT	1940129932
SNP_P1_3430_6394706	NC_021160.1	Ca_kabuli_chr01	6394706	TT	CC	1940129933
SNP_P1_3431_6394725	NC_021160.1	Ca_kabuli_chr01	6394725	AA	CC	1940129934
SNP_P1_3432_6394742	NC_021160.1	Ca_kabuli_chr01	6394742	AA	CC	1940129935
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SNP_P1_3434_6398309	NC_021160.1	Ca_kabuli_chr01	6398309	AA	TT	1940129937
SNP_P1_3435_6398672	NC_021160.1	Ca_kabuli_chr01	6398672	TT	CC	1940129938
SNP_P1_3436_6399252	NC_021160.1	Ca_kabuli_chr01	6399252	CC	TT	1940129939

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3439_6400401	NC_021160.1	Ca_kabuli_chr01	6400401	CC	TT	1940129942
SNP_P1_3440_6400609	NC_021160.1	Ca_kabuli_chr01	6400609	TT	CC	1940129943
SNP_P1_3441_6400628	NC_021160.1	Ca_kabuli_chr01	6400628	GG	AA	1940129944
SNP_P1_3442_6400714	NC_021160.1	Ca_kabuli_chr01	6400714	TT	CC	1940129945
SNP_P1_3443_6401207	NC_021160.1	Ca_kabuli_chr01	6401207	AA	CC	1940129946
SNP_P1_3444_6401212	NC_021160.1	Ca_kabuli_chr01	6401212	CC	TT	1940129947
SNP_P1_3445_6401514	NC_021160.1	Ca_kabuli_chr01	6401514	AA	CC	1940129948
SNP_P1_3446_6401520	NC_021160.1	Ca_kabuli_chr01	6401520	TT	AA	1940129949
SNP_P1_3447_6401894	NC_021160.1	Ca_kabuli_chr01	6401894	CC	TT	1940129950
SNP_P1_3448_6401911	NC_021160.1	Ca_kabuli_chr01	6401911	TT	CC	1940129951
SNP_P1_3450_6403217	NC_021160.1	Ca_kabuli_chr01	6403217	CC	AA	1940129953
SNP_P1_3451_6406384	NC_021160.1	Ca_kabuli_chr01	6406384	TT	CC	1940129954
SNP_P1_3452_6406387	NC_021160.1	Ca_kabuli_chr01	6406387	TT	AA	1940129955
SNP_P1_3453_6407740	NC_021160.1	Ca_kabuli_chr01	6407740	AA	CC	1940129956
SNP_P1_3454_6408090	NC_021160.1	Ca_kabuli_chr01	6408090	CC	GG	1940129957
SNP_P1_3455_6408298	NC_021160.1	Ca_kabuli_chr01	6408298	TT	AA	1940129958
SNP_P1_3456_6408536	NC_021160.1	Ca_kabuli_chr01	6408536	GG	TT	1940129959
SNP_P1_3458_6408804	NC_021160.1	Ca_kabuli_chr01	6408804	GG	AA	1940129960
SNP_P1_3459_6408818	NC_021160.1	Ca_kabuli_chr01	6408818	TT	GG	1940129961
SNP_P1_3460_6409993	NC_021160.1	Ca_kabuli_chr01	6409993	AA	GG	1940129962
SNP_P1_3461_6409998	NC_021160.1	Ca_kabuli_chr01	6409998	TT	CC	1940129963
SNP_P1_3462_6413266	NC_021160.1	Ca_kabuli_chr01	6413266	TT	CC	1940129964
SNP_P1_3463_6413536	NC_021160.1	Ca_kabuli_chr01	6413536	AA	GG	1940129965
SNP_P1_3464_6413811	NC_021160.1	Ca_kabuli_chr01	6413811	CC	AA	1940129966
SNP_P1_3465_6413813	NC_021160.1	Ca_kabuli_chr01	6413813	AA	TT	1940129967
SNP_P1_3466_6415141	NC_021160.1	Ca_kabuli_chr01	6415141	GG	CC	1940129968
SNP_P1_3467_6415194	NC_021160.1	Ca_kabuli_chr01	6415194	TT	CC	1940129969
SNP_P1_3468_6415896	NC_021160.1	Ca_kabuli_chr01	6415896	GG	TT	1940129970
SNP_P1_3469_6415913	NC_021160.1	Ca_kabuli_chr01	6415913	AA	TT	1940129971
SNP_P1_3470_6417183	NC_021160.1	Ca_kabuli_chr01	6417183	CC	TT	1940129972
SNP_P1_3471_6417230	NC_021160.1	Ca_kabuli_chr01	6417230	AA	TT	1940129973
SNP_P1_3473_6426399	NC_021160.1	Ca_kabuli_chr01	6426399	CC	AA	1940129974
SNP_P1_3474_6426677	NC_021160.1	Ca_kabuli_chr01	6426677	TT	CC	1940129975
SNP_P1_3475_6426704	NC_021160.1	Ca_kabuli_chr01	6426704	CC	TT	1940129976
SNP_P1_3476_6426801	NC_021160.1	Ca_kabuli_chr01	6426801	CC	AA	1940129977
SNP_P1_3477_6426803	NC_021160.1	Ca_kabuli_chr01	6426803	CC	GG	1940129978
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SNP_P1_3480_6428031	NC_021160.1	Ca_kabuli_chr01	6428031	GG	AA	1940129981
SNP_P1_3481_6428996	NC_021160.1	Ca_kabuli_chr01	6428996	TT	GG	1940129982

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3484_6429888	NC_021160.1	Ca_kabuli_chr01	6429888	CC	TT	1940129984
SNP_P1_3485_6429974	NC_021160.1	Ca_kabuli_chr01	6429974	AA	GG	1940129985
SNP_P1_3486_6430687	NC_021160.1	Ca_kabuli_chr01	6430687	GG	AA	1940129986
SNP_P1_3487_6430867	NC_021160.1	Ca_kabuli_chr01	6430867	GG	CC	1940129987
SNP_P1_3488_6431015	NC_021160.1	Ca_kabuli_chr01	6431015	CC	TT	1940129988
SNP_P1_3489_6431203	NC_021160.1	Ca_kabuli_chr01	6431203	CC	TT	1940129989
SNP_P1_3490_6432942	NC_021160.1	Ca_kabuli_chr01	6432942	AA	TT	1940129990
SNP_P1_3491_6434037	NC_021160.1	Ca_kabuli_chr01	6434037	GG	AA	1940129991
SNP_P1_3492_6434056	NC_021160.1	Ca_kabuli_chr01	6434056	CC	TT	1940129992
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SNP_P1_3495_6434740	NC_021160.1	Ca_kabuli_chr01	6434740	GG	CC	1940129995
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SNP_P1_3497_6434824	NC_021160.1	Ca_kabuli_chr01	6434824	GG	CC	1940129997
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SNP_P1_3499_6435481	NC_021160.1	Ca_kabuli_chr01	6435481	CC	TT	1940129999
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SNP_P1_3506_6438191	NC_021160.1	Ca_kabuli_chr01	6438191	AA	CC	1940130007
SNP_P1_3507_6438197	NC_021160.1	Ca_kabuli_chr01	6438197	GG	AA	1940130008
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SNP_P1_3511_6439096	NC_021160.1	Ca_kabuli_chr01	6439096	TT	GG	1940130012
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SNP_P1_3513_6439285	NC_021160.1	Ca_kabuli_chr01	6439285	AA	GG	1940130014
SNP_P1_3514_6439344	NC_021160.1	Ca_kabuli_chr01	6439344	CC	AA	1940130015
SNP_P1_3515_6441997	NC_021160.1	Ca_kabuli_chr01	6441997	GG	TT	1940130016
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SNP_P1_3518_6443956	NC_021160.1	Ca_kabuli_chr01	6443956	CC	TT	1940130019
SNP_P1_3519_6444045	NC_021160.1	Ca_kabuli_chr01	6444045	GG	AA	1940130020
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SNP_P1_3521_6444288	NC_021160.1	Ca_kabuli_chr01	6444288	CC	TT	1940130022
SNP_P1_3522_6444293	NC_021160.1	Ca_kabuli_chr01	6444293	CC	GG	1940130023
SNP_P1_3523_6444303	NC_021160.1	Ca_kabuli_chr01	6444303	GG	TT	1940130024
SNP_P1_3524_6444385	NC_021160.1	Ca_kabuli_chr01	6444385	CC	AA	1940130025

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3527_6444776	NC_021160.1	Ca_kabuli_chr01	6444776	CC	TT	1940130027
SNP_P1_3528_6444901	NC_021160.1	Ca_kabuli_chr01	6444901	CC	TT	1940130028
SNP_P1_3529_6444930	NC_021160.1	Ca_kabuli_chr01	6444930	GG	AA	1940130029
SNP_P1_3530_6445193	NC_021160.1	Ca_kabuli_chr01	6445193	TT	GG	1940130030
SNP_P1_3531_6446402	NC_021160.1	Ca_kabuli_chr01	6446402	TT	CC	1940130031
SNP_P1_3532_6446519	NC_021160.1	Ca_kabuli_chr01	6446519	AA	GG	1940130032
SNP_P1_3533_6446938	NC_021160.1	Ca_kabuli_chr01	6446938	CC	TT	1940130033
SNP_P1_3534_6446944	NC_021160.1	Ca_kabuli_chr01	6446944	CC	TT	1940130034
SNP_P1_3535_6453750	NC_021160.1	Ca_kabuli_chr01	6453750	TT	CC	1940130035
SNP_P1_3536_6453751	NC_021160.1	Ca_kabuli_chr01	6453751	AA	TT	1940130036
SNP_P1_3537_6453806	NC_021160.1	Ca_kabuli_chr01	6453806	GG	AA	1940130037
SNP_P1_3539_6453962	NC_021160.1	Ca_kabuli_chr01	6453962	TT	CC	1940130038
SNP_P1_3540_6453978	NC_021160.1	Ca_kabuli_chr01	6453978	GG	AA	1940130039
SNP_P1_3541_6454182	NC_021160.1	Ca_kabuli_chr01	6454182	GG	AA	1940130040
SNP_P1_3542_6454248	NC_021160.1	Ca_kabuli_chr01	6454248	TT	AA	1940130041
SNP_P1_3543_6454387	NC_021160.1	Ca_kabuli_chr01	6454387	TT	CC	1940130042
SNP_P1_3545_6456576	NC_021160.1	Ca_kabuli_chr01	6456576	AA	GG	1940130043
SNP_P1_3546_6456616	NC_021160.1	Ca_kabuli_chr01	6456616	CC	GG	1940130044
SNP_P1_3547_6456942	NC_021160.1	Ca_kabuli_chr01	6456942	CC	TT	1940130045
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SNP_P1_3554_6462474	NC_021160.1	Ca_kabuli_chr01	6462474	AA	GG	1940130052
SNP_P1_3555_6463281	NC_021160.1	Ca_kabuli_chr01	6463281	AA	TT	1940130053
SNP_P1_3556_6463288	NC_021160.1	Ca_kabuli_chr01	6463288	TT	CC	1940130054
SNP_P1_3557_6463554	NC_021160.1	Ca_kabuli_chr01	6463554	AA	GG	1940130055
SNP_P1_3558_6463571	NC_021160.1	Ca_kabuli_chr01	6463571	CC	TT	1940130056
SNP_P1_3559_6463579	NC_021160.1	Ca_kabuli_chr01	6463579	GG	AA	1940130057
SNP_P1_3560_6463893	NC_021160.1	Ca_kabuli_chr01	6463893	AA	GG	1940130058
SNP_P1_3562_6464096	NC_021160.1	Ca_kabuli_chr01	6464096	AA	GG	1940130059
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SNP_P1_3564_6464652	NC_021160.1	Ca_kabuli_chr01	6464652	AA	CC	1940130061
SNP_P1_3565_6466231	NC_021160.1	Ca_kabuli_chr01	6466231	GG	AA	1940130062
SNP_P1_3566_6466925	NC_021160.1	Ca_kabuli_chr01	6466925	TT	CC	1940130063
SNP_P1_3567_6466941	NC_021160.1	Ca_kabuli_chr01	6466941	CC	TT	1940130064
SNP_P1_3568_6466942	NC_021160.1	Ca_kabuli_chr01	6466942	CC	TT	1940130065
SNP_P1_3569_6466963	NC_021160.1	Ca_kabuli_chr01	6466963	GG	AA	1940130066
SNP_P1_3570_6466984	NC_021160.1	Ca_kabuli_chr01	6466984	AA	GG	1940130067
SNP_P1_3571_6466988	NC_021160.1	Ca_kabuli_chr01	6466988	TT	CC	1940130068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3574_6467010	NC_021160.1	Ca_kabuli_chr01	6467010	GG	TT	1940130071
SNP_P1_3575_6467056	NC_021160.1	Ca_kabuli_chr01	6467056	TT	GG	1940130072
SNP_P1_3577_6469823	NC_021160.1	Ca_kabuli_chr01	6469823	CC	GG	1940130073
SNP_P1_3578_6469951	NC_021160.1	Ca_kabuli_chr01	6469951	GG	AA	1940130074
SNP_P1_3579_6471865	NC_021160.1	Ca_kabuli_chr01	6471865	CC	TT	1940130075
SNP_P1_3580_6471976	NC_021160.1	Ca_kabuli_chr01	6471976	TT	CC	1940130076
SNP_P1_3581_6472014	NC_021160.1	Ca_kabuli_chr01	6472014	TT	CC	1940130077
SNP_P1_3582_6472023	NC_021160.1	Ca_kabuli_chr01	6472023	TT	AA	1940130078
SNP_P1_3583_6472130	NC_021160.1	Ca_kabuli_chr01	6472130	GG	AA	1940130079
SNP_P1_3584_6472795	NC_021160.1	Ca_kabuli_chr01	6472795	CC	TT	1940130080
SNP_P1_3585_6473279	NC_021160.1	Ca_kabuli_chr01	6473279	TT	CC	1940130081
SNP_P1_3586_6473282	NC_021160.1	Ca_kabuli_chr01	6473282	GG	AA	1940130082
SNP_P1_3587_6473285	NC_021160.1	Ca_kabuli_chr01	6473285	AA	GG	1940130083
SNP_P1_3588_6473290	NC_021160.1	Ca_kabuli_chr01	6473290	TT	CC	1940130084
SNP_P1_3589_6475993	NC_021160.1	Ca_kabuli_chr01	6475993	AA	CC	1940130085
SNP_P1_3591_6476262	NC_021160.1	Ca_kabuli_chr01	6476262	AA	CC	1940130086
SNP_P1_3592_6476263	NC_021160.1	Ca_kabuli_chr01	6476263	TT	CC	1940130087
SNP_P1_3593_6476391	NC_021160.1	Ca_kabuli_chr01	6476391	CC	TT	1940130088
SNP_P1_3594_6476421	NC_021160.1	Ca_kabuli_chr01	6476421	TT	AA	1940130089
SNP_P1_3595_6476660	NC_021160.1	Ca_kabuli_chr01	6476660	GG	AA	1940130091
SNP_P1_3596_6476750	NC_021160.1	Ca_kabuli_chr01	6476750	AA	TT	1940130092
SNP_P1_3597_6476769	NC_021160.1	Ca_kabuli_chr01	6476769	GG	AA	1940130093
SNP_P1_3598_6476805	NC_021160.1	Ca_kabuli_chr01	6476805	TT	CC	1940130094
SNP_P1_3599_6476904	NC_021160.1	Ca_kabuli_chr01	6476904	AA	GG	1940130095
SNP_P1_3600_6476915	NC_021160.1	Ca_kabuli_chr01	6476915	AA	GG	1940130096
SNP_P1_3601_6476917	NC_021160.1	Ca_kabuli_chr01	6476917	AA	GG	1940130097
SNP_P1_3602_6477059	NC_021160.1	Ca_kabuli_chr01	6477059	CC	TT	1940130098
SNP_P1_3603_6477989	NC_021160.1	Ca_kabuli_chr01	6477989	TT	GG	1940130099
SNP_P1_3604_6478266	NC_021160.1	Ca_kabuli_chr01	6478266	CC	TT	1940130100
SNP_P1_3605_6478272	NC_021160.1	Ca_kabuli_chr01	6478272	TT	AA	1940130101
SNP_P1_3606_6478281	NC_021160.1	Ca_kabuli_chr01	6478281	AA	TT	1940130102
SNP_P1_3607_6478736	NC_021160.1	Ca_kabuli_chr01	6478736	AA	GG	1940130103
SNP_P1_3608_6478900	NC_021160.1	Ca_kabuli_chr01	6478900	GG	AA	1940130104
SNP_P1_3609_6478921	NC_021160.1	Ca_kabuli_chr01	6478921	AA	CC	1940130105
SNP_P1_3610_6478963	NC_021160.1	Ca_kabuli_chr01	6478963	CC	TT	1940130106
SNP_P1_3611_6479140	NC_021160.1	Ca_kabuli_chr01	6479140	GG	AA	1940130107
SNP_P1_3612_6479161	NC_021160.1	Ca_kabuli_chr01	6479161	TT	CC	1940130108
SNP_P1_3613_6479163	NC_021160.1	Ca_kabuli_chr01	6479163	AA	GG	1940130109
SNP_P1_3614_6479530	NC_021160.1	Ca_kabuli_chr01	6479530	TT	AA	1940130110
SNP_P1_3615_6479591	NC_021160.1	Ca_kabuli_chr01	6479591	CC	AA	1940130111

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3617_6480895	NC_021160.1	Ca_kabuli_chr01	6480895	AA	GG	1940130113
SNP_P1_3618_6481077	NC_021160.1	Ca_kabuli_chr01	6481077	CC	TT	1940130114
SNP_P1_3619_6481131	NC_021160.1	Ca_kabuli_chr01	6481131	TT	CC	1940130115
SNP_P1_3620_6482274	NC_021160.1	Ca_kabuli_chr01	6482274	GG	TT	1940130116
SNP_P1_3621_6482680	NC_021160.1	Ca_kabuli_chr01	6482680	TT	AA	1940130117
SNP_P1_3622_6482699	NC_021160.1	Ca_kabuli_chr01	6482699	TT	CC	1940130118
SNP_P1_3623_6482940	NC_021160.1	Ca_kabuli_chr01	6482940	GG	CC	1940130119
SNP_P1_3624_6484016	NC_021160.1	Ca_kabuli_chr01	6484016	AA	CC	1940130120
SNP_P1_3625_6484030	NC_021160.1	Ca_kabuli_chr01	6484030	TT	CC	1940130121
SNP_P1_3626_6484033	NC_021160.1	Ca_kabuli_chr01	6484033	TT	CC	1940130122
SNP_P1_3627_6484065	NC_021160.1	Ca_kabuli_chr01	6484065	CC	TT	1940130123
SNP_P1_3628_6484257	NC_021160.1	Ca_kabuli_chr01	6484257	AA	GG	1940130124
SNP_P1_3629_6484545	NC_021160.1	Ca_kabuli_chr01	6484545	GG	CC	1940130125
SNP_P1_3630_6485051	NC_021160.1	Ca_kabuli_chr01	6485051	CC	TT	1940130126
SNP_P1_3631_6485675	NC_021160.1	Ca_kabuli_chr01	6485675	GG	CC	1940130127
SNP_P1_3632_6486350	NC_021160.1	Ca_kabuli_chr01	6486350	TT	CC	1940130128
SNP_P1_3633_6486617	NC_021160.1	Ca_kabuli_chr01	6486617	TT	CC	1940130129
SNP_P1_3634_6486730	NC_021160.1	Ca_kabuli_chr01	6486730	CC	TT	1940130130
SNP_P1_3635_6487673	NC_021160.1	Ca_kabuli_chr01	6487673	GG	AA	1940130131
SNP_P1_3636_6487686	NC_021160.1	Ca_kabuli_chr01	6487686	CC	AA	1940130132
SNP_P1_3637_6487687	NC_021160.1	Ca_kabuli_chr01	6487687	AA	GG	1940130133
SNP_P1_3638_6488947	NC_021160.1	Ca_kabuli_chr01	6488947	GG	TT	1940130134
SNP_P1_3639_6489456	NC_021160.1	Ca_kabuli_chr01	6489456	AA	GG	1940130135
SNP_P1_3640_6489479	NC_021160.1	Ca_kabuli_chr01	6489479	TT	CC	1940130136
SNP_P1_3641_6489632	NC_021160.1	Ca_kabuli_chr01	6489632	TT	CC	1940130137
SNP_P1_3642_6489639	NC_021160.1	Ca_kabuli_chr01	6489639	GG	AA	1940130139
SNP_P1_3643_6489650	NC_021160.1	Ca_kabuli_chr01	6489650	CC	AA	1940130140
SNP_P1_3644_6489665	NC_021160.1	Ca_kabuli_chr01	6489665	AA	GG	1940130141
SNP_P1_3645_6489676	NC_021160.1	Ca_kabuli_chr01	6489676	AA	TT	1940130142
SNP_P1_3646_6489712	NC_021160.1	Ca_kabuli_chr01	6489712	GG	AA	1940130143
SNP_P1_3647_6491372	NC_021160.1	Ca_kabuli_chr01	6491372	GG	AA	1940130144
SNP_P1_3648_6510252	NC_021160.1	Ca_kabuli_chr01	6510252	AA	GG	1940130145
SNP_P1_3649_6510479	NC_021160.1	Ca_kabuli_chr01	6510479	AA	GG	1940130146
SNP_P1_3650_6510513	NC_021160.1	Ca_kabuli_chr01	6510513	CC	TT	1940130147
SNP_P1_3651_6511855	NC_021160.1	Ca_kabuli_chr01	6511855	TT	CC	1940130148
SNP_P1_3652_6513269	NC_021160.1	Ca_kabuli_chr01	6513269	AA	GG	1940130149
SNP_P1_3653_6515564	NC_021160.1	Ca_kabuli_chr01	6515564	TT	CC	1940130150
SNP_P1_3654_6515578	NC_021160.1	Ca_kabuli_chr01	6515578	CC	GG	1940130151
SNP_P1_3655_6516991	NC_021160.1	Ca_kabuli_chr01	6516991	GG	TT	1940130152
SNP_P1_3656_6516994	NC_021160.1	Ca_kabuli_chr01	6516994	AA	GG	1940130153
SNP_P1_3657_6517013	NC_021160.1	Ca_kabuli_chr01	6517013	GG	AA	1940130154

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3659_6518585	NC_021160.1	Ca_kabuli_chr01	6518585	CC	TT	1940130156
SNP_P1_3660_6518597	NC_021160.1	Ca_kabuli_chr01	6518597	AA	GG	1940130157
SNP_P1_3661_6518620	NC_021160.1	Ca_kabuli_chr01	6518620	CC	TT	1940130158
SNP_P1_3662_6519149	NC_021160.1	Ca_kabuli_chr01	6519149	GG	AA	1940130159
SNP_P1_3663_6519153	NC_021160.1	Ca_kabuli_chr01	6519153	GG	TT	1940130160
SNP_P1_3664_6519191	NC_021160.1	Ca_kabuli_chr01	6519191	AA	GG	1940130161
SNP_P1_3665_6520366	NC_021160.1	Ca_kabuli_chr01	6520366	TT	CC	1940130162
SNP_P1_3666_6522174	NC_021160.1	Ca_kabuli_chr01	6522174	TT	CC	1940130163
SNP_P1_3667_6523375	NC_021160.1	Ca_kabuli_chr01	6523375	AA	GG	1940130164
SNP_P1_3668_6523393	NC_021160.1	Ca_kabuli_chr01	6523393	GG	AA	1940130165
SNP_P1_3669_6523815	NC_021160.1	Ca_kabuli_chr01	6523815	TT	AA	1940130166
SNP_P1_3671_6525463	NC_021160.1	Ca_kabuli_chr01	6525463	GG	AA	1940130167
SNP_P1_3672_6526023	NC_021160.1	Ca_kabuli_chr01	6526023	AA	GG	1940130168
SNP_P1_3673_6527669	NC_021160.1	Ca_kabuli_chr01	6527669	GG	AA	1940130169
SNP_P1_3674_6527683	NC_021160.1	Ca_kabuli_chr01	6527683	TT	GG	1940130170
SNP_P1_3675_6527697	NC_021160.1	Ca_kabuli_chr01	6527697	AA	TT	1940130171
SNP_P1_3676_6527702	NC_021160.1	Ca_kabuli_chr01	6527702	GG	AA	1940130172
SNP_P1_3677_6527713	NC_021160.1	Ca_kabuli_chr01	6527713	CC	TT	1940130174
SNP_P1_3678_6527724	NC_021160.1	Ca_kabuli_chr01	6527724	TT	CC	1940130175
SNP_P1_3679_6527749	NC_021160.1	Ca_kabuli_chr01	6527749	AA	GG	1940130176
SNP_P1_3680_6527951	NC_021160.1	Ca_kabuli_chr01	6527951	AA	GG	1940130177
SNP_P1_3681_6527984	NC_021160.1	Ca_kabuli_chr01	6527984	TT	AA	1940130178
SNP_P1_3682_6528285	NC_021160.1	Ca_kabuli_chr01	6528285	AA	GG	1940130179
SNP_P1_3683_6528464	NC_021160.1	Ca_kabuli_chr01	6528464	TT	CC	1940130180
SNP_P1_3684_6531178	NC_021160.1	Ca_kabuli_chr01	6531178	CC	TT	1940130181
SNP_P1_3685_6531322	NC_021160.1	Ca_kabuli_chr01	6531322	AA	TT	1940130182
SNP_P1_3686_6531323	NC_021160.1	Ca_kabuli_chr01	6531323	CC	AA	1940130183
SNP_P1_3687_6531360	NC_021160.1	Ca_kabuli_chr01	6531360	AA	TT	1940130184
SNP_P1_3688_6531496	NC_021160.1	Ca_kabuli_chr01	6531496	CC	TT	1940130185
SNP_P1_3689_6531497	NC_021160.1	Ca_kabuli_chr01	6531497	CC	TT	1940130186
SNP_P1_3690_6532048	NC_021160.1	Ca_kabuli_chr01	6532048	TT	CC	1940130187
SNP_P1_3691_6532083	NC_021160.1	Ca_kabuli_chr01	6532083	TT	CC	1940130188
SNP_P1_3692_6532085	NC_021160.1	Ca_kabuli_chr01	6532085	CC	TT	1940130189
SNP_P1_3693_6532102	NC_021160.1	Ca_kabuli_chr01	6532102	CC	TT	1940130190
SNP_P1_3694_6532105	NC_021160.1	Ca_kabuli_chr01	6532105	CC	TT	1940130191
SNP_P1_3695_6532811	NC_021160.1	Ca_kabuli_chr01	6532811	AA	GG	1940130192
SNP_P1_3697_6533489	NC_021160.1	Ca_kabuli_chr01	6533489	GG	AA	1940130193
SNP_P1_3698_6533524	NC_021160.1	Ca_kabuli_chr01	6533524	CC	TT	1940130194
SNP_P1_3699_6533988	NC_021160.1	Ca_kabuli_chr01	6533988	AA	GG	1940130195
SNP_P1_3700_6534159	NC_021160.1	Ca_kabuli_chr01	6534159	AA	TT	1940130196
SNP_P1_3701_6534170	NC_021160.1	Ca_kabuli_chr01	6534170	GG	CC	1940130197

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3703_6534350	NC_021160.1	Ca_kabuli_chr01	6534350	AA	GG	1940130199
SNP_P1_3706_6535786	NC_021160.1	Ca_kabuli_chr01	6535786	GG	AA	1940130200
SNP_P1_3707_6535877	NC_021160.1	Ca_kabuli_chr01	6535877	AA	GG	1940130201
SNP_P1_3708_6536118	NC_021160.1	Ca_kabuli_chr01	6536118	CC	TT	1940130202
SNP_P1_3709_6538352	NC_021160.1	Ca_kabuli_chr01	6538352	CC	TT	1940130203
SNP_P1_3710_6538849	NC_021160.1	Ca_kabuli_chr01	6538849	TT	CC	1940130204
SNP_P1_3711_6538850	NC_021160.1	Ca_kabuli_chr01	6538850	TT	GG	1940130205
SNP_P1_3712_6539942	NC_021160.1	Ca_kabuli_chr01	6539942	AA	GG	1940130206
SNP_P1_3714_6541440	NC_021160.1	Ca_kabuli_chr01	6541440	GG	AA	1940130207
SNP_P1_3715_6541781	NC_021160.1	Ca_kabuli_chr01	6541781	GG	AA	1940130208
SNP_P1_3716_6542621	NC_021160.1	Ca_kabuli_chr01	6542621	TT	CC	1940130209
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SNP_P1_3721_6544929	NC_021160.1	Ca_kabuli_chr01	6544929	CC	TT	1940130214
SNP_P1_3722_6546601	NC_021160.1	Ca_kabuli_chr01	6546601	CC	TT	1940130215
SNP_P1_3724_6546955	NC_021160.1	Ca_kabuli_chr01	6546955	CC	TT	1940130216
SNP_P1_3725_6546958	NC_021160.1	Ca_kabuli_chr01	6546958	CC	TT	1940130217
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SNP_P1_3731_6552172	NC_021160.1	Ca_kabuli_chr01	6552172	GG	AA	1940130223
SNP_P1_3732_6553555	NC_021160.1	Ca_kabuli_chr01	6553555	AA	GG	1940130224
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SNP_P1_3735_6557338	NC_021160.1	Ca_kabuli_chr01	6557338	GG	AA	1940130226
SNP_P1_3736_6559343	NC_021160.1	Ca_kabuli_chr01	6559343	GG	AA	1940130227
SNP_P1_3738_6578799	NC_021160.1	Ca_kabuli_chr01	6578799	TT	CC	1940130228
SNP_P1_3739_6579214	NC_021160.1	Ca_kabuli_chr01	6579214	TT	CC	1940130229
SNP_P1_3740_6589459	NC_021160.1	Ca_kabuli_chr01	6589459	CC	TT	1940130230
SNP_P1_3741_6606670	NC_021160.1	Ca_kabuli_chr01	6606670	TT	GG	1940130231
SNP_P1_3742_6607571	NC_021160.1	Ca_kabuli_chr01	6607571	AA	TT	1940130232
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SNP_P1_3744_6646178	NC_021160.1	Ca_kabuli_chr01	6646178	TT	CC	1940130234
SNP_P1_3745_6646179	NC_021160.1	Ca_kabuli_chr01	6646179	GG	CC	1940130235
SNP_P1_3747_6694470	NC_021160.1	Ca_kabuli_chr01	6694470	AA	GG	1940130236
SNP_P1_3748_6694522	NC_021160.1	Ca_kabuli_chr01	6694522	TT	CC	1940130237
SNP_P1_3749_6694524	NC_021160.1	Ca_kabuli_chr01	6694524	AA	GG	1940130238
SNP_P1_3750_6699639	NC_021160.1	Ca_kabuli_chr01	6699639	AA	TT	1940130239
SNP_P1_3751_6699640	NC_021160.1	Ca_kabuli_chr01	6699640	CC	AA	1940130240

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3754_6744329	NC_021160.1	Ca_kabuli_chr01	6744329	GG	TT	1940130243
SNP_P1_3755_6761564	NC_021160.1	Ca_kabuli_chr01	6761564	AA	CC	1940130244
SNP_P1_3756_6775889	NC_021160.1	Ca_kabuli_chr01	6775889	AA	GG	1940130245
SNP_P1_3757_6775974	NC_021160.1	Ca_kabuli_chr01	6775974	CC	GG	1940130246
SNP_P1_3758_6776071	NC_021160.1	Ca_kabuli_chr01	6776071	GG	AA	1940130247
SNP_P1_3759_6778094	NC_021160.1	Ca_kabuli_chr01	6778094	AA	GG	1940130248
SNP_P1_3760_6778128	NC_021160.1	Ca_kabuli_chr01	6778128	AA	GG	1940130249
SNP_P1_3761_6778168	NC_021160.1	Ca_kabuli_chr01	6778168	CC	TT	1940130250
SNP_P1_3762_6778488	NC_021160.1	Ca_kabuli_chr01	6778488	GG	TT	1940130251
SNP_P1_3763_6778498	NC_021160.1	Ca_kabuli_chr01	6778498	TT	GG	1940130252
SNP_P1_3764_6778517	NC_021160.1	Ca_kabuli_chr01	6778517	CC	TT	1940130253
SNP_P1_3765_6779798	NC_021160.1	Ca_kabuli_chr01	6779798	CC	TT	1940130254
SNP_P1_3766_6779880	NC_021160.1	Ca_kabuli_chr01	6779880	AA	GG	1940130255
SNP_P1_3767_6780474	NC_021160.1	Ca_kabuli_chr01	6780474	TT	CC	1940130256
SNP_P1_3768_6782761	NC_021160.1	Ca_kabuli_chr01	6782761	TT	GG	1940130257
SNP_P1_3769_6782766	NC_021160.1	Ca_kabuli_chr01	6782766	GG	TT	1940130258
SNP_P1_3770_6789585	NC_021160.1	Ca_kabuli_chr01	6789585	CC	TT	1940130260
SNP_P1_3771_6810807	NC_021160.1	Ca_kabuli_chr01	6810807	AA	GG	1940130261
SNP_P1_3773_6856963	NC_021160.1	Ca_kabuli_chr01	6856963	AA	CC	1940130262
SNP_P1_3774_6858439	NC_021160.1	Ca_kabuli_chr01	6858439	GG	AA	1940130263
SNP_P1_3775_6858819	NC_021160.1	Ca_kabuli_chr01	6858819	TT	AA	1940130264
SNP_P1_3776_6869736	NC_021160.1	Ca_kabuli_chr01	6869736	CC	GG	1940130265
SNP_P1_3778_6893733	NC_021160.1	Ca_kabuli_chr01	6893733	AA	GG	1940130266
SNP_P1_3780_6959105	NC_021160.1	Ca_kabuli_chr01	6959105	GG	TT	1940130267
SNP_P1_3781_6963423	NC_021160.1	Ca_kabuli_chr01	6963423	GG	AA	1940130268
SNP_P1_3782_6964238	NC_021160.1	Ca_kabuli_chr01	6964238	TT	CC	1940130269
SNP_P1_3784_6967404	NC_021160.1	Ca_kabuli_chr01	6967404	AA	GG	1940130270
SNP_P1_3786_6967711	NC_021160.1	Ca_kabuli_chr01	6967711	CC	TT	1940130271
SNP_P1_3787_6972539	NC_021160.1	Ca_kabuli_chr01	6972539	GG	AA	1940130272
SNP_P1_3790_7004627	NC_021160.1	Ca_kabuli_chr01	7004627	GG	TT	1940130273
SNP_P1_3791_7009088	NC_021160.1	Ca_kabuli_chr01	7009088	TT	GG	1940130274
SNP_P1_3792_7012691	NC_021160.1	Ca_kabuli_chr01	7012691	GG	AA	1940130275
SNP_P1_3793_7019752	NC_021160.1	Ca_kabuli_chr01	7019752	GG	AA	1940130276
SNP_P1_3794_7062632	NC_021160.1	Ca_kabuli_chr01	7062632	GG	TT	1940130277
SNP_P1_3795_7069875	NC_021160.1	Ca_kabuli_chr01	7069875	GG	AA	1940130278
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SNP_P1_3797_7076158	NC_021160.1	Ca_kabuli_chr01	7076158	TT	AA	1940130280
SNP_P1_3798_7076159	NC_021160.1	Ca_kabuli_chr01	7076159	CC	AA	1940130281
SNP_P1_3799_7076379	NC_021160.1	Ca_kabuli_chr01	7076379	TT	CC	1940130282
SNP_P1_3800_7103037	NC_021160.1	Ca_kabuli_chr01	7103037	GG	AA	1940130283

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3802_7137250	NC_021160.1	Ca_kabuli_chr01	7137250	GG	AA	1940130285
SNP_P1_3803_7154857	NC_021160.1	Ca_kabuli_chr01	7154857	TT	CC	1940130286
SNP_P1_3804_7171835	NC_021160.1	Ca_kabuli_chr01	7171835	TT	AA	1940130287
SNP_P1_3805_7187276	NC_021160.1	Ca_kabuli_chr01	7187276	TT	CC	1940130288
SNP_P1_3807_7244279	NC_021160.1	Ca_kabuli_chr01	7244279	AA	GG	1940130289
SNP_P1_3808_7252686	NC_021160.1	Ca_kabuli_chr01	7252686	AA	GG	1940130290
SNP_P1_3809_7252688	NC_021160.1	Ca_kabuli_chr01	7252688	AA	GG	1940130291
SNP_P1_3810_7267507	NC_021160.1	Ca_kabuli_chr01	7267507	AA	TT	1940130292
SNP_P1_3811_7272062	NC_021160.1	Ca_kabuli_chr01	7272062	AA	CC	1940130293
SNP_P1_3813_7280459	NC_021160.1	Ca_kabuli_chr01	7280459	CC	GG	1940130294
SNP_P1_3814_7294737	NC_021160.1	Ca_kabuli_chr01	7294737	CC	TT	1940130295
SNP_P1_3815_7298161	NC_021160.1	Ca_kabuli_chr01	7298161	CC	AA	1940130296
SNP_P1_3816_7298873	NC_021160.1	Ca_kabuli_chr01	7298873	AA	GG	1940130297
SNP_P1_3817_7320713	NC_021160.1	Ca_kabuli_chr01	7320713	CC	TT	1940130298
SNP_P1_3818_7360774	NC_021160.1	Ca_kabuli_chr01	7360774	TT	CC	1940130299
SNP_P1_3819_7377535	NC_021160.1	Ca_kabuli_chr01	7377535	TT	CC	1940130300
SNP_P1_3820_7385381	NC_021160.1	Ca_kabuli_chr01	7385381	GG	TT	1940130301
SNP_P1_3821_7405971	NC_021160.1	Ca_kabuli_chr01	7405971	TT	GG	1940130302
SNP_P1_3822_7406160	NC_021160.1	Ca_kabuli_chr01	7406160	CC	GG	1940130303
SNP_P1_3823_7406219	NC_021160.1	Ca_kabuli_chr01	7406219	AA	CC	1940130304
SNP_P1_3824_7406228	NC_021160.1	Ca_kabuli_chr01	7406228	TT	CC	1940130305
SNP_P1_3825_7415640	NC_021160.1	Ca_kabuli_chr01	7415640	TT	AA	1940130307
SNP_P1_3828_7424721	NC_021160.1	Ca_kabuli_chr01	7424721	TT	CC	1940130308
SNP_P1_3829_7424873	NC_021160.1	Ca_kabuli_chr01	7424873	AA	GG	1940130309
SNP_P1_3830_7443226	NC_021160.1	Ca_kabuli_chr01	7443226	GG	AA	1940130310
SNP_P1_3831_7444337	NC_021160.1	Ca_kabuli_chr01	7444337	TT	GG	1940130311
SNP_P1_3832_7470104	NC_021160.1	Ca_kabuli_chr01	7470104	AA	GG	1940130312
SNP_P1_3833_7470105	NC_021160.1	Ca_kabuli_chr01	7470105	GG	TT	1940130313
SNP_P1_3834_7493347	NC_021160.1	Ca_kabuli_chr01	7493347	TT	CC	1940130314
SNP_P1_3835_7494208	NC_021160.1	Ca_kabuli_chr01	7494208	GG	CC	1940130315
SNP_P1_3836_7494212	NC_021160.1	Ca_kabuli_chr01	7494212	GG	CC	1940130316
SNP_P1_3837_7494259	NC_021160.1	Ca_kabuli_chr01	7494259	GG	AA	1940130317
SNP_P1_3838_7516903	NC_021160.1	Ca_kabuli_chr01	7516903	TT	CC	1940130318
SNP_P1_3839_7518441	NC_021160.1	Ca_kabuli_chr01	7518441	TT	CC	1940130319
SNP_P1_3840_7522461	NC_021160.1	Ca_kabuli_chr01	7522461	TT	CC	1940130320
SNP_P1_3841_7538374	NC_021160.1	Ca_kabuli_chr01	7538374	GG	AA	1940130321
SNP_P1_3842_7539018	NC_021160.1	Ca_kabuli_chr01	7539018	GG	AA	1940130322
SNP_P1_3843_7543621	NC_021160.1	Ca_kabuli_chr01	7543621	GG	TT	1940130323
SNP_P1_3844_7555703	NC_021160.1	Ca_kabuli_chr01	7555703	GG	AA	1940130324
SNP_P1_3846_7588852	NC_021160.1	Ca_kabuli_chr01	7588852	GG	CC	1940130325
SNP_P1_3847_7590999	NC_021160.1	Ca_kabuli_chr01	7590999	GG	TT	1940130326

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3849_7591010	NC_021160.1	Ca_kabuli_chr01	7591010	CC	TT	1940130328
SNP_P1_3850_7591025	NC_021160.1	Ca_kabuli_chr01	7591025	TT	GG	1940130329
SNP_P1_3851_7591069	NC_021160.1	Ca_kabuli_chr01	7591069	AA	TT	1940130330
SNP_P1_3852_7591084	NC_021160.1	Ca_kabuli_chr01	7591084	TT	GG	1940130331
SNP_P1_3853_7591090	NC_021160.1	Ca_kabuli_chr01	7591090	TT	CC	1940130332
SNP_P1_3854_7591189	NC_021160.1	Ca_kabuli_chr01	7591189	AA	CC	1940130333
SNP_P1_3855_7591201	NC_021160.1	Ca_kabuli_chr01	7591201	AA	TT	1940130334
SNP_P1_3856_7591206	NC_021160.1	Ca_kabuli_chr01	7591206	GG	AA	1940130335
SNP_P1_3857_7591307	NC_021160.1	Ca_kabuli_chr01	7591307	TT	CC	1940130336
SNP_P1_3858_7591311	NC_021160.1	Ca_kabuli_chr01	7591311	GG	TT	1940130337
SNP_P1_3859_7591327	NC_021160.1	Ca_kabuli_chr01	7591327	CC	TT	1940130338
SNP_P1_3860_7591542	NC_021160.1	Ca_kabuli_chr01	7591542	GG	AA	1940130339
SNP_P1_3861_7591548	NC_021160.1	Ca_kabuli_chr01	7591548	GG	CC	1940130340
SNP_P1_3862_7591589	NC_021160.1	Ca_kabuli_chr01	7591589	GG	AA	1940130341
SNP_P1_3863_7591623	NC_021160.1	Ca_kabuli_chr01	7591623	CC	TT	1940130342
SNP_P1_3864_7591627	NC_021160.1	Ca_kabuli_chr01	7591627	GG	AA	1940130343
SNP_P1_3865_7591850	NC_021160.1	Ca_kabuli_chr01	7591850	GG	TT	1940130344
SNP_P1_3866_7596953	NC_021160.1	Ca_kabuli_chr01	7596953	GG	AA	1940130346
SNP_P1_3867_7609411	NC_021160.1	Ca_kabuli_chr01	7609411	TT	CC	1940130347
SNP_P1_3868_7618748	NC_021160.1	Ca_kabuli_chr01	7618748	CC	TT	1940130348
SNP_P1_3869_7627213	NC_021160.1	Ca_kabuli_chr01	7627213	CC	TT	1940130349
SNP_P1_3870_7630368	NC_021160.1	Ca_kabuli_chr01	7630368	TT	AA	1940130350
SNP_P1_3872_7631598	NC_021160.1	Ca_kabuli_chr01	7631598	CC	TT	1940130351
SNP_P1_3873_7631650	NC_021160.1	Ca_kabuli_chr01	7631650	TT	AA	1940130352
SNP_P1_3874_7631706	NC_021160.1	Ca_kabuli_chr01	7631706	AA	TT	1940130353
SNP_P1_3875_7634370	NC_021160.1	Ca_kabuli_chr01	7634370	AA	GG	1940130354
SNP_P1_3879_7635673	NC_021160.1	Ca_kabuli_chr01	7635673	TT	GG	1940130355
SNP_P1_3880_7635730	NC_021160.1	Ca_kabuli_chr01	7635730	TT	AA	1940130356
SNP_P1_3881_7635771	NC_021160.1	Ca_kabuli_chr01	7635771	TT	CC	1940130357
SNP_P1_3882_7635788	NC_021160.1	Ca_kabuli_chr01	7635788	CC	TT	1940130358
SNP_P1_3883_7635942	NC_021160.1	Ca_kabuli_chr01	7635942	AA	GG	1940130359
SNP_P1_3884_7636233	NC_021160.1	Ca_kabuli_chr01	7636233	GG	TT	1940130360
SNP_P1_3885_7636238	NC_021160.1	Ca_kabuli_chr01	7636238	CC	GG	1940130361
SNP_P1_3886_7637191	NC_021160.1	Ca_kabuli_chr01	7637191	GG	AA	1940130362
SNP_P1_3887_7637265	NC_021160.1	Ca_kabuli_chr01	7637265	GG	AA	1940130363
SNP_P1_3888_7637301	NC_021160.1	Ca_kabuli_chr01	7637301	GG	AA	1940130364
SNP_P1_3889_7637307	NC_021160.1	Ca_kabuli_chr01	7637307	GG	AA	1940130365
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SNP_P1_3891_7637351	NC_021160.1	Ca_kabuli_chr01	7637351	GG	AA	1940130367
SNP_P1_3892_7637498	NC_021160.1	Ca_kabuli_chr01	7637498	AA	CC	1940130368
SNP_P1_3893_7639216	NC_021160.1	Ca_kabuli_chr01	7639216	CC	AA	1940130369

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3895_7639279	NC_021160.1	Ca_kabuli_chr01	7639279	GG	AA	1940130371
SNP_P1_3896_7639318	NC_021160.1	Ca_kabuli_chr01	7639318	CC	TT	1940130372
SNP_P1_3897_7639341	NC_021160.1	Ca_kabuli_chr01	7639341	CC	AA	1940130373
SNP_P1_3898_7639348	NC_021160.1	Ca_kabuli_chr01	7639348	TT	CC	1940130374
SNP_P1_3900_7641613	NC_021160.1	Ca_kabuli_chr01	7641613	TT	CC	1940130375
SNP_P1_3901_7641720	NC_021160.1	Ca_kabuli_chr01	7641720	CC	TT	1940130376
SNP_P1_3902_7641962	NC_021160.1	Ca_kabuli_chr01	7641962	TT	GG	1940130377
SNP_P1_3903_7641984	NC_021160.1	Ca_kabuli_chr01	7641984	CC	AA	1940130378
SNP_P1_3905_7642691	NC_021160.1	Ca_kabuli_chr01	7642691	TT	GG	1940130379
SNP_P1_3906_7649607	NC_021160.1	Ca_kabuli_chr01	7649607	TT	CC	1940130380
SNP_P1_3907_7650702	NC_021160.1	Ca_kabuli_chr01	7650702	TT	AA	1940130381
SNP_P1_3908_7651970	NC_021160.1	Ca_kabuli_chr01	7651970	AA	GG	1940130382
SNP_P1_3909_7652053	NC_021160.1	Ca_kabuli_chr01	7652053	TT	CC	1940130383
SNP_P1_3910_7652089	NC_021160.1	Ca_kabuli_chr01	7652089	CC	TT	1940130384
SNP_P1_3911_7652596	NC_021160.1	Ca_kabuli_chr01	7652596	CC	TT	1940130386
SNP_P1_3913_7652795	NC_021160.1	Ca_kabuli_chr01	7652795	AA	GG	1940130387
SNP_P1_3915_7653778	NC_021160.1	Ca_kabuli_chr01	7653778	GG	CC	1940130388
SNP_P1_3917_7654251	NC_021160.1	Ca_kabuli_chr01	7654251	GG	AA	1940130389
SNP_P1_3918_7654271	NC_021160.1	Ca_kabuli_chr01	7654271	GG	AA	1940130390
SNP_P1_3919_7654462	NC_021160.1	Ca_kabuli_chr01	7654462	CC	TT	1940130391
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SNP_P1_3921_7654476	NC_021160.1	Ca_kabuli_chr01	7654476	GG	TT	1940130393
SNP_P1_3922_7654527	NC_021160.1	Ca_kabuli_chr01	7654527	TT	CC	1940130394
SNP_P1_3923_7655157	NC_021160.1	Ca_kabuli_chr01	7655157	AA	TT	1940130395
SNP_P1_3924_7655165	NC_021160.1	Ca_kabuli_chr01	7655165	CC	TT	1940130396
SNP_P1_3926_7655476	NC_021160.1	Ca_kabuli_chr01	7655476	TT	AA	1940130397
SNP_P1_3927_7655477	NC_021160.1	Ca_kabuli_chr01	7655477	TT	CC	1940130398
SNP_P1_3928_7655502	NC_021160.1	Ca_kabuli_chr01	7655502	TT	AA	1940130399
SNP_P1_3929_7655503	NC_021160.1	Ca_kabuli_chr01	7655503	TT	AA	1940130400
SNP_P1_3930_7655534	NC_021160.1	Ca_kabuli_chr01	7655534	AA	TT	1940130401
SNP_P1_3931_7655548	NC_021160.1	Ca_kabuli_chr01	7655548	GG	TT	1940130402
SNP_P1_3932_7655906	NC_021160.1	Ca_kabuli_chr01	7655906	TT	CC	1940130403
SNP_P1_3934_7656046	NC_021160.1	Ca_kabuli_chr01	7656046	TT	CC	1940130404
SNP_P1_3935_7656292	NC_021160.1	Ca_kabuli_chr01	7656292	AA	GG	1940130405
SNP_P1_3936_7656300	NC_021160.1	Ca_kabuli_chr01	7656300	TT	AA	1940130406
SNP_P1_3937_7656660	NC_021160.1	Ca_kabuli_chr01	7656660	CC	TT	1940130407
SNP_P1_3938_7656665	NC_021160.1	Ca_kabuli_chr01	7656665	CC	TT	1940130408
SNP_P1_3939_7656674	NC_021160.1	Ca_kabuli_chr01	7656674	CC	TT	1940130409
SNP_P1_3940_7656684	NC_021160.1	Ca_kabuli_chr01	7656684	TT	CC	1940130410
SNP_P1_3941_7656687	NC_021160.1	Ca_kabuli_chr01	7656687	CC	TT	1940130411
SNP_P1_3942_7656696	NC_021160.1	Ca_kabuli_chr01	7656696	TT	GG	1940130412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_3945_7657458	NC_021160.1	Ca_kabuli_chr01	7657458	GG	AA	1940130415
SNP_P1_3946_7657491	NC_021160.1	Ca_kabuli_chr01	7657491	AA	TT	1940130416
SNP_P1_3947_7657669	NC_021160.1	Ca_kabuli_chr01	7657669	AA	TT	1940130417
SNP_P1_3948_7657903	NC_021160.1	Ca_kabuli_chr01	7657903	AA	CC	1940130418
SNP_P1_3949_7657905	NC_021160.1	Ca_kabuli_chr01	7657905	GG	TT	1940130419
SNP_P1_3950_7658627	NC_021160.1	Ca_kabuli_chr01	7658627	AA	GG	1940130420
SNP_P1_3951_7658654	NC_021160.1	Ca_kabuli_chr01	7658654	TT	CC	1940130421
SNP_P1_3952_7659753	NC_021160.1	Ca_kabuli_chr01	7659753	AA	GG	1940130422
SNP_P1_3953_7659797	NC_021160.1	Ca_kabuli_chr01	7659797	CC	GG	1940130423
SNP_P1_3954_7659831	NC_021160.1	Ca_kabuli_chr01	7659831	AA	GG	1940130424
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SNP_P1_3957_7660162	NC_021160.1	Ca_kabuli_chr01	7660162	GG	AA	1940130428
SNP_P1_3958_7660222	NC_021160.1	Ca_kabuli_chr01	7660222	TT	AA	1940130429
SNP_P1_3959_7660223	NC_021160.1	Ca_kabuli_chr01	7660223	CC	GG	1940130430
SNP_P1_3960_7660232	NC_021160.1	Ca_kabuli_chr01	7660232	TT	CC	1940130431
SNP_P1_3961_7660252	NC_021160.1	Ca_kabuli_chr01	7660252	AA	GG	1940130432
SNP_P1_3962_7660422	NC_021160.1	Ca_kabuli_chr01	7660422	CC	AA	1940130433
SNP_P1_3963_7660446	NC_021160.1	Ca_kabuli_chr01	7660446	GG	AA	1940130434
SNP_P1_3964_7660541	NC_021160.1	Ca_kabuli_chr01	7660541	AA	CC	1940130435
SNP_P1_3965_7660635	NC_021160.1	Ca_kabuli_chr01	7660635	CC	TT	1940130436
SNP_P1_3967_7660830	NC_021160.1	Ca_kabuli_chr01	7660830	CC	TT	1940130437
SNP_P1_3968_7661133	NC_021160.1	Ca_kabuli_chr01	7661133	CC	AA	1940130438
SNP_P1_3969_7661193	NC_021160.1	Ca_kabuli_chr01	7661193	AA	CC	1940130439
SNP_P1_3970_7661203	NC_021160.1	Ca_kabuli_chr01	7661203	TT	GG	1940130440
SNP_P1_3971_7661267	NC_021160.1	Ca_kabuli_chr01	7661267	CC	AA	1940130441
SNP_P1_3973_7661355	NC_021160.1	Ca_kabuli_chr01	7661355	AA	GG	1940130442
SNP_P1_3974_7661375	NC_021160.1	Ca_kabuli_chr01	7661375	CC	TT	1940130443
SNP_P1_3975_7661387	NC_021160.1	Ca_kabuli_chr01	7661387	TT	CC	1940130444
SNP_P1_3976_7661430	NC_021160.1	Ca_kabuli_chr01	7661430	TT	AA	1940130445
SNP_P1_3977_7661435	NC_021160.1	Ca_kabuli_chr01	7661435	TT	CC	1940130446
SNP_P1_3978_7661456	NC_021160.1	Ca_kabuli_chr01	7661456	CC	TT	1940130447
SNP_P1_3979_7661480	NC_021160.1	Ca_kabuli_chr01	7661480	AA	CC	1940130448
SNP_P1_3980_7661592	NC_021160.1	Ca_kabuli_chr01	7661592	TT	CC	1940130449
SNP_P1_3981_7661624	NC_021160.1	Ca_kabuli_chr01	7661624	GG	CC	1940130450
SNP_P1_3983_7661799	NC_021160.1	Ca_kabuli_chr01	7661799	CC	AA	1940130451
SNP_P1_3984_7661826	NC_021160.1	Ca_kabuli_chr01	7661826	AA	TT	1940130452
SNP_P1_3985_7661980	NC_021160.1	Ca_kabuli_chr01	7661980	GG	AA	1940130453
SNP_P1_3986_7662023	NC_021160.1	Ca_kabuli_chr01	7662023	GG	AA	1940130454
SNP_P1_3987_7662080	NC_021160.1	Ca_kabuli_chr01	7662080	AA	TT	1940130455

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_3988_7662823	NC_021160.1	Ca_kabuli_chr01	7662823	CC	GG	1940130456
SNP_P1_3989_7663508	NC_021160.1	Ca_kabuli_chr01	7663508	AA	TT	1940130457
SNP_P1_3990_7663697	NC_021160.1	Ca_kabuli_chr01	7663697	GG	CC	1940130458
SNP_P1_3991_7663764	NC_021160.1	Ca_kabuli_chr01	7663764	AA	GG	1940130459
SNP_P1_3992_7663811	NC_021160.1	Ca_kabuli_chr01	7663811	GG	TT	1940130460
SNP_P1_3993_7663858	NC_021160.1	Ca_kabuli_chr01	7663858	CC	TT	1940130461
SNP_P1_3994_7663939	NC_021160.1	Ca_kabuli_chr01	7663939	TT	CC	1940130462
SNP_P1_3995_7663961	NC_021160.1	Ca_kabuli_chr01	7663961	GG	AA	1940130463
SNP_P1_3996_7663970	NC_021160.1	Ca_kabuli_chr01	7663970	GG	AA	1940130464
SNP_P1_3997_7663994	NC_021160.1	Ca_kabuli_chr01	7663994	TT	GG	1940130465
SNP_P1_3998_7664014	NC_021160.1	Ca_kabuli_chr01	7664014	AA	GG	1940130467
SNP_P1_3999_7664108	NC_021160.1	Ca_kabuli_chr01	7664108	GG	AA	1940130468
SNP_P1_4000_7664109	NC_021160.1	Ca_kabuli_chr01	7664109	AA	GG	1940130469
SNP_P1_4001_7664958	NC_021160.1	Ca_kabuli_chr01	7664958	GG	CC	1940130470
SNP_P1_4003_7666283	NC_021160.1	Ca_kabuli_chr01	7666283	CC	AA	1940130471
SNP_P1_4004_7666398	NC_021160.1	Ca_kabuli_chr01	7666398	CC	AA	1940130472
SNP_P1_4005_7666405	NC_021160.1	Ca_kabuli_chr01	7666405	GG	AA	1940130473
SNP_P1_4006_7666410	NC_021160.1	Ca_kabuli_chr01	7666410	TT	AA	1940130474
SNP_P1_4007_7666864	NC_021160.1	Ca_kabuli_chr01	7666864	TT	AA	1940130475
SNP_P1_4009_7669408	NC_021160.1	Ca_kabuli_chr01	7669408	AA	TT	1940130476
SNP_P1_4010_7670369	NC_021160.1	Ca_kabuli_chr01	7670369	AA	TT	1940130477
SNP_P1_4011_7670890	NC_021160.1	Ca_kabuli_chr01	7670890	CC	TT	1940130478
SNP_P1_4012_7670903	NC_021160.1	Ca_kabuli_chr01	7670903	GG	CC	1940130479
SNP_P1_4013_7670911	NC_021160.1	Ca_kabuli_chr01	7670911	AA	TT	1940130480
SNP_P1_4014_7671345	NC_021160.1	Ca_kabuli_chr01	7671345	CC	TT	1940130481
SNP_P1_4016_7673239	NC_021160.1	Ca_kabuli_chr01	7673239	CC	AA	1940130482
SNP_P1_4017_7674881	NC_021160.1	Ca_kabuli_chr01	7674881	TT	CC	1940130483
SNP_P1_4018_7675880	NC_021160.1	Ca_kabuli_chr01	7675880	AA	GG	1940130484
SNP_P1_4019_7675881	NC_021160.1	Ca_kabuli_chr01	7675881	AA	GG	1940130485
SNP_P1_4021_7676175	NC_021160.1	Ca_kabuli_chr01	7676175	CC	GG	1940130486
SNP_P1_4022_7676257	NC_021160.1	Ca_kabuli_chr01	7676257	GG	AA	1940130487
SNP_P1_4023_7676500	NC_021160.1	Ca_kabuli_chr01	7676500	AA	GG	1940130488
SNP_P1_4024_7676504	NC_021160.1	Ca_kabuli_chr01	7676504	TT	CC	1940130489
SNP_P1_4025_7676893	NC_021160.1	Ca_kabuli_chr01	7676893	AA	TT	1940130490
SNP_P1_4026_7676955	NC_021160.1	Ca_kabuli_chr01	7676955	TT	CC	1940130491
SNP_P1_4027_7676963	NC_021160.1	Ca_kabuli_chr01	7676963	CC	TT	1940130492
SNP_P1_4028_7676964	NC_021160.1	Ca_kabuli_chr01	7676964	CC	TT	1940130493
SNP_P1_4030_7677208	NC_021160.1	Ca_kabuli_chr01	7677208	GG	AA	1940130494
SNP_P1_4031_7677413	NC_021160.1	Ca_kabuli_chr01	7677413	AA	CC	1940130495
SNP_P1_4032_7677671	NC_021160.1	Ca_kabuli_chr01	7677671	GG	AA	1940130496
SNP_P1_4033_7677803	NC_021160.1	Ca_kabuli_chr01	7677803	AA	GG	1940130497
SNP_P1_4034_7677839	NC_021160.1	Ca_kabuli_chr01	7677839	GG	AA	1940130498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4036_7677843	NC_021160.1	Ca_kabuli_chr01	7677843	TT	CC	1940130501
SNP_P1_4037_7677888	NC_021160.1	Ca_kabuli_chr01	7677888	TT	AA	1940130502
SNP_P1_4040_7678087	NC_021160.1	Ca_kabuli_chr01	7678087	CC	TT	1940130503
SNP_P1_4041_7678905	NC_021160.1	Ca_kabuli_chr01	7678905	AA	TT	1940130504
SNP_P1_4042_7679328	NC_021160.1	Ca_kabuli_chr01	7679328	AA	GG	1940130505
SNP_P1_4043_7679589	NC_021160.1	Ca_kabuli_chr01	7679589	GG	AA	1940130506
SNP_P1_4044_7679606	NC_021160.1	Ca_kabuli_chr01	7679606	TT	CC	1940130507
SNP_P1_4045_7680133	NC_021160.1	Ca_kabuli_chr01	7680133	TT	CC	1940130508
SNP_P1_4046_7680375	NC_021160.1	Ca_kabuli_chr01	7680375	TT	CC	1940130509
SNP_P1_4047_7680814	NC_021160.1	Ca_kabuli_chr01	7680814	AA	GG	1940130510
SNP_P1_4048_7681467	NC_021160.1	Ca_kabuli_chr01	7681467	GG	TT	1940130511
SNP_P1_4049_7681491	NC_021160.1	Ca_kabuli_chr01	7681491	GG	CC	1940130512
SNP_P1_4050_7681695	NC_021160.1	Ca_kabuli_chr01	7681695	TT	CC	1940130513
SNP_P1_4051_7682115	NC_021160.1	Ca_kabuli_chr01	7682115	CC	TT	1940130514
SNP_P1_4052_7685232	NC_021160.1	Ca_kabuli_chr01	7685232	AA	TT	1940130515
SNP_P1_4053_7685409	NC_021160.1	Ca_kabuli_chr01	7685409	CC	AA	1940130516
SNP_P1_4054_7685605	NC_021160.1	Ca_kabuli_chr01	7685605	GG	AA	1940130517
SNP_P1_4055_7686374	NC_021160.1	Ca_kabuli_chr01	7686374	CC	TT	1940130518
SNP_P1_4056_7686386	NC_021160.1	Ca_kabuli_chr01	7686386	CC	TT	1940130519
SNP_P1_4057_7686394	NC_021160.1	Ca_kabuli_chr01	7686394	CC	TT	1940130520
SNP_P1_4058_7686783	NC_021160.1	Ca_kabuli_chr01	7686783	AA	GG	1940130521
SNP_P1_4059_7686813	NC_021160.1	Ca_kabuli_chr01	7686813	GG	AA	1940130522
SNP_P1_4060_7686840	NC_021160.1	Ca_kabuli_chr01	7686840	TT	CC	1940130523
SNP_P1_4061_7687051	NC_021160.1	Ca_kabuli_chr01	7687051	GG	AA	1940130524
SNP_P1_4062_7687052	NC_021160.1	Ca_kabuli_chr01	7687052	GG	AA	1940130525
SNP_P1_4063_7687057	NC_021160.1	Ca_kabuli_chr01	7687057	CC	TT	1940130526
SNP_P1_4065_7687429	NC_021160.1	Ca_kabuli_chr01	7687429	CC	TT	1940130527
SNP_P1_4066_7687893	NC_021160.1	Ca_kabuli_chr01	7687893	GG	AA	1940130528
SNP_P1_4067_7687930	NC_021160.1	Ca_kabuli_chr01	7687930	GG	AA	1940130529
SNP_P1_4068_7687959	NC_021160.1	Ca_kabuli_chr01	7687959	CC	GG	1940130530
SNP_P1_4069_7687963	NC_021160.1	Ca_kabuli_chr01	7687963	AA	CC	1940130531
SNP_P1_4070_7688061	NC_021160.1	Ca_kabuli_chr01	7688061	CC	TT	1940130532
SNP_P1_4071_7688180	NC_021160.1	Ca_kabuli_chr01	7688180	GG	AA	1940130533
SNP_P1_4073_7688218	NC_021160.1	Ca_kabuli_chr01	7688218	CC	TT	1940130534
SNP_P1_4074_7688222	NC_021160.1	Ca_kabuli_chr01	7688222	GG	AA	1940130535
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SNP_P1_4076_7688305	NC_021160.1	Ca_kabuli_chr01	7688305	AA	GG	1940130537
SNP_P1_4078_7689752	NC_021160.1	Ca_kabuli_chr01	7689752	CC	TT	1940130538
SNP_P1_4079_7690044	NC_021160.1	Ca_kabuli_chr01	7690044	AA	GG	1940130539
SNP_P1_4080_7692175	NC_021160.1	Ca_kabuli_chr01	7692175	TT	CC	1940130540
SNP_P1_4082_7696211	NC_021160.1	Ca_kabuli_chr01	7696211	CC	TT	1940130541

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_4083_7696902	NC_021160.1	Ca_kabuli_chr01	7696902	AA	CC	1940130542
SNP_P1_4084_7699369	NC_021160.1	Ca_kabuli_chr01	7699369	TT	GG	1940130543
SNP_P1_4085_7699379	NC_021160.1	Ca_kabuli_chr01	7699379	CC	TT	1940130544
SNP_P1_4087_7699539	NC_021160.1	Ca_kabuli_chr01	7699539	TT	CC	1940130545
SNP_P1_4088_7699983	NC_021160.1	Ca_kabuli_chr01	7699983	CC	TT	1940130546
SNP_P1_4089_7699986	NC_021160.1	Ca_kabuli_chr01	7699986	TT	CC	1940130547
SNP_P1_4090_7700003	NC_021160.1	Ca_kabuli_chr01	7700003	AA	TT	1940130549
SNP_P1_4091_7700312	NC_021160.1	Ca_kabuli_chr01	7700312	TT	AA	1940130550
SNP_P1_4092_7700313	NC_021160.1	Ca_kabuli_chr01	7700313	CC	TT	1940130551
SNP_P1_4093_7700320	NC_021160.1	Ca_kabuli_chr01	7700320	AA	TT	1940130552
SNP_P1_4094_7700342	NC_021160.1	Ca_kabuli_chr01	7700342	CC	TT	1940130553
SNP_P1_4095_7700383	NC_021160.1	Ca_kabuli_chr01	7700383	GG	AA	1940130554
SNP_P1_4096_7700567	NC_021160.1	Ca_kabuli_chr01	7700567	AA	GG	1940130555
SNP_P1_4097_7700655	NC_021160.1	Ca_kabuli_chr01	7700655	CC	AA	1940130556
SNP_P1_4098_7700924	NC_021160.1	Ca_kabuli_chr01	7700924	GG	TT	1940130557
SNP_P1_4099_7703438	NC_021160.1	Ca_kabuli_chr01	7703438	TT	CC	1940130558
SNP_P1_4100_7703500	NC_021160.1	Ca_kabuli_chr01	7703500	CC	TT	1940130559
SNP_P1_4101_7703936	NC_021160.1	Ca_kabuli_chr01	7703936	AA	GG	1940130560
SNP_P1_4102_7703937	NC_021160.1	Ca_kabuli_chr01	7703937	GG	AA	1940130561
SNP_P1_4103_7704196	NC_021160.1	Ca_kabuli_chr01	7704196	GG	AA	1940130562
SNP_P1_4104_7704217	NC_021160.1	Ca_kabuli_chr01	7704217	AA	GG	1940130563
SNP_P1_4105_7704470	NC_021160.1	Ca_kabuli_chr01	7704470	GG	AA	1940130564
SNP_P1_4106_7704482	NC_021160.1	Ca_kabuli_chr01	7704482	CC	AA	1940130565
SNP_P1_4107_7704487	NC_021160.1	Ca_kabuli_chr01	7704487	TT	AA	1940130566
SNP_P1_4108_7704562	NC_021160.1	Ca_kabuli_chr01	7704562	AA	TT	1940130567
SNP_P1_4109_7704576	NC_021160.1	Ca_kabuli_chr01	7704576	CC	TT	1940130568
SNP_P1_4110_7704595	NC_021160.1	Ca_kabuli_chr01	7704595	TT	CC	1940130569
SNP_P1_4111_7704598	NC_021160.1	Ca_kabuli_chr01	7704598	CC	TT	1940130570
SNP_P1_4112_7704638	NC_021160.1	Ca_kabuli_chr01	7704638	AA	GG	1940130571
SNP_P1_4113_7704908	NC_021160.1	Ca_kabuli_chr01	7704908	CC	TT	1940130572
SNP_P1_4114_7704970	NC_021160.1	Ca_kabuli_chr01	7704970	TT	GG	1940130573
SNP_P1_4115_7705223	NC_021160.1	Ca_kabuli_chr01	7705223	CC	TT	1940130574
SNP_P1_4116_7706504	NC_021160.1	Ca_kabuli_chr01	7706504	GG	AA	1940130575
SNP_P1_4117_7706524	NC_021160.1	Ca_kabuli_chr01	7706524	GG	CC	1940130576
SNP_P1_4118_7706530	NC_021160.1	Ca_kabuli_chr01	7706530	TT	CC	1940130577
SNP_P1_4119_7706682	NC_021160.1	Ca_kabuli_chr01	7706682	AA	GG	1940130578
SNP_P1_4121_7708021	NC_021160.1	Ca_kabuli_chr01	7708021	CC	TT	1940130579
SNP_P1_4122_7710613	NC_021160.1	Ca_kabuli_chr01	7710613	GG	AA	1940130580
SNP_P1_4123_7711886	NC_021160.1	Ca_kabuli_chr01	7711886	AA	TT	1940130581
SNP_P1_4125_7712194	NC_021160.1	Ca_kabuli_chr01	7712194	CC	TT	1940130582
SNP_P1_4126_7712303	NC_021160.1	Ca_kabuli_chr01	7712303	CC	TT	1940130584
SNP_P1_4127_7712709	NC_021160.1	Ca_kabuli_chr01	7712709	CC	TT	1940130585

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_4131_7713302	NC_021160.1	Ca_kabuli_chr01	7713302	TT	GG	1940130586
SNP_P1_4132_7713352	NC_021160.1	Ca_kabuli_chr01	7713352	GG	TT	1940130587
SNP_P1_4133_7713353	NC_021160.1	Ca_kabuli_chr01	7713353	TT	AA	1940130588
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SNP_P1_4135_7713725	NC_021160.1	Ca_kabuli_chr01	7713725	CC	GG	1940130590
SNP_P1_4136_7714186	NC_021160.1	Ca_kabuli_chr01	7714186	CC	TT	1940130591
SNP_P1_4137_7714375	NC_021160.1	Ca_kabuli_chr01	7714375	CC	TT	1940130592
SNP_P1_4138_7716057	NC_021160.1	Ca_kabuli_chr01	7716057	AA	GG	1940130593
SNP_P1_4139_7716074	NC_021160.1	Ca_kabuli_chr01	7716074	CC	TT	1940130594
SNP_P1_4140_7716108	NC_021160.1	Ca_kabuli_chr01	7716108	GG	TT	1940130595
SNP_P1_4141_7716580	NC_021160.1	Ca_kabuli_chr01	7716580	TT	CC	1940130596
SNP_P1_4142_7716847	NC_021160.1	Ca_kabuli_chr01	7716847	GG	AA	1940130597
SNP_P1_4143_7716864	NC_021160.1	Ca_kabuli_chr01	7716864	AA	GG	1940130598
SNP_P1_4144_7716909	NC_021160.1	Ca_kabuli_chr01	7716909	AA	GG	1940130599
SNP_P1_4145_7716921	NC_021160.1	Ca_kabuli_chr01	7716921	CC	TT	1940130600
SNP_P1_4146_7716993	NC_021160.1	Ca_kabuli_chr01	7716993	AA	TT	1940130601
SNP_P1_4147_7720724	NC_021160.1	Ca_kabuli_chr01	7720724	TT	CC	1940130602
SNP_P1_4148_7723790	NC_021160.1	Ca_kabuli_chr01	7723790	CC	TT	1940130603
SNP_P1_4149_7725260	NC_021160.1	Ca_kabuli_chr01	7725260	TT	CC	1940130604
SNP_P1_4150_7725312	NC_021160.1	Ca_kabuli_chr01	7725312	TT	GG	1940130605
SNP_P1_4151_7725599	NC_021160.1	Ca_kabuli_chr01	7725599	AA	GG	1940130606
SNP_P1_4152_7725610	NC_021160.1	Ca_kabuli_chr01	7725610	TT	AA	1940130607
SNP_P1_4153_7727288	NC_021160.1	Ca_kabuli_chr01	7727288	TT	CC	1940130608
SNP_P1_4154_7727312	NC_021160.1	Ca_kabuli_chr01	7727312	GG	AA	1940130609
SNP_P1_4155_7727328	NC_021160.1	Ca_kabuli_chr01	7727328	CC	TT	1940130610
SNP_P1_4156_7728497	NC_021160.1	Ca_kabuli_chr01	7728497	AA	GG	1940130611
SNP_P1_4157_7728693	NC_021160.1	Ca_kabuli_chr01	7728693	AA	GG	1940130612
SNP_P1_4159_7728925	NC_021160.1	Ca_kabuli_chr01	7728925	GG	AA	1940130613
SNP_P1_4160_7729033	NC_021160.1	Ca_kabuli_chr01	7729033	TT	CC	1940130614
SNP_P1_4161_7729034	NC_021160.1	Ca_kabuli_chr01	7729034	GG	TT	1940130615
SNP_P1_4162_7729038	NC_021160.1	Ca_kabuli_chr01	7729038	GG	AA	1940130616
SNP_P1_4163_7729076	NC_021160.1	Ca_kabuli_chr01	7729076	GG	AA	1940130617
SNP_P1_4164_7729697	NC_021160.1	Ca_kabuli_chr01	7729697	GG	AA	1940130618
SNP_P1_4165_7729816	NC_021160.1	Ca_kabuli_chr01	7729816	TT	CC	1940130619
SNP_P1_4166_7729953	NC_021160.1	Ca_kabuli_chr01	7729953	GG	AA	1940130620
SNP_P1_4167_7730557	NC_021160.1	Ca_kabuli_chr01	7730557	TT	CC	1940130621
SNP_P1_4168_7730567	NC_021160.1	Ca_kabuli_chr01	7730567	TT	CC	1940130622
SNP_P1_4169_7730715	NC_021160.1	Ca_kabuli_chr01	7730715	TT	CC	1940130623
SNP_P1_4170_7730884	NC_021160.1	Ca_kabuli_chr01	7730884	TT	CC	1940130624
SNP_P1_4171_7731070	NC_021160.1	Ca_kabuli_chr01	7731070	CC	TT	1940130626
SNP_P1_4172_7731089	NC_021160.1	Ca_kabuli_chr01	7731089	AA	TT	1940130627
SNP_P1_4173_7731329	NC_021160.1	Ca_kabuli_chr01	7731329	CC	GG	1940130628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4175_7731819	NC_021160.1	Ca_kabuli_chr01	7731819	GG	TT	1940130630
SNP_P1_4176_7731926	NC_021160.1	Ca_kabuli_chr01	7731926	GG	TT	1940130631
SNP_P1_4177_7732997	NC_021160.1	Ca_kabuli_chr01	7732997	CC	TT	1940130632
SNP_P1_4178_7733274	NC_021160.1	Ca_kabuli_chr01	7733274	TT	AA	1940130633
SNP_P1_4179_7733291	NC_021160.1	Ca_kabuli_chr01	7733291	TT	CC	1940130634
SNP_P1_4180_7733470	NC_021160.1	Ca_kabuli_chr01	7733470	GG	AA	1940130635
SNP_P1_4181_7733740	NC_021160.1	Ca_kabuli_chr01	7733740	CC	TT	1940130636
SNP_P1_4182_7734221	NC_021160.1	Ca_kabuli_chr01	7734221	AA	TT	1940130637
SNP_P1_4183_7734306	NC_021160.1	Ca_kabuli_chr01	7734306	AA	GG	1940130638
SNP_P1_4184_7734743	NC_021160.1	Ca_kabuli_chr01	7734743	TT	CC	1940130639
SNP_P1_4185_7741187	NC_021160.1	Ca_kabuli_chr01	7741187	CC	TT	1940130640
SNP_P1_4186_7741494	NC_021160.1	Ca_kabuli_chr01	7741494	AA	GG	1940130641
SNP_P1_4187_7741499	NC_021160.1	Ca_kabuli_chr01	7741499	AA	TT	1940130642
SNP_P1_4189_7745498	NC_021160.1	Ca_kabuli_chr01	7745498	AA	CC	1940130643
SNP_P1_4190_7745499	NC_021160.1	Ca_kabuli_chr01	7745499	TT	CC	1940130644
SNP_P1_4191_7745573	NC_021160.1	Ca_kabuli_chr01	7745573	TT	CC	1940130645
SNP_P1_4192_7745785	NC_021160.1	Ca_kabuli_chr01	7745785	AA	GG	1940130646
SNP_P1_4193_7745810	NC_021160.1	Ca_kabuli_chr01	7745810	CC	AA	1940130647
SNP_P1_4194_7746050	NC_021160.1	Ca_kabuli_chr01	7746050	CC	AA	1940130648
SNP_P1_4195_7746285	NC_021160.1	Ca_kabuli_chr01	7746285	AA	CC	1940130649
SNP_P1_4196_7746358	NC_021160.1	Ca_kabuli_chr01	7746358	TT	CC	1940130650
SNP_P1_4197_7746363	NC_021160.1	Ca_kabuli_chr01	7746363	GG	CC	1940130651
SNP_P1_4198_7746444	NC_021160.1	Ca_kabuli_chr01	7746444	AA	GG	1940130652
SNP_P1_4199_7746448	NC_021160.1	Ca_kabuli_chr01	7746448	TT	CC	1940130653
SNP_P1_4200_7746536	NC_021160.1	Ca_kabuli_chr01	7746536	TT	GG	1940130654
SNP_P1_4201_7746553	NC_021160.1	Ca_kabuli_chr01	7746553	TT	GG	1940130655
SNP_P1_4202_7746622	NC_021160.1	Ca_kabuli_chr01	7746622	GG	AA	1940130656
SNP_P1_4203_7746639	NC_021160.1	Ca_kabuli_chr01	7746639	AA	GG	1940130657
SNP_P1_4204_7746786	NC_021160.1	Ca_kabuli_chr01	7746786	AA	GG	1940130658
SNP_P1_4205_7746827	NC_021160.1	Ca_kabuli_chr01	7746827	AA	TT	1940130659
SNP_P1_4206_7748383	NC_021160.1	Ca_kabuli_chr01	7748383	AA	CC	1940130660
SNP_P1_4209_7749545	NC_021160.1	Ca_kabuli_chr01	7749545	CC	GG	1940130661
SNP_P1_4210_7749725	NC_021160.1	Ca_kabuli_chr01	7749725	GG	CC	1940130662
SNP_P1_4211_7749882	NC_021160.1	Ca_kabuli_chr01	7749882	AA	TT	1940130663
SNP_P1_4212_7752405	NC_021160.1	Ca_kabuli_chr01	7752405	TT	CC	1940130664
SNP_P1_4213_7752507	NC_021160.1	Ca_kabuli_chr01	7752507	AA	GG	1940130665
SNP_P1_4214_7752718	NC_021160.1	Ca_kabuli_chr01	7752718	CC	AA	1940130666
SNP_P1_4215_7752977	NC_021160.1	Ca_kabuli_chr01	7752977	GG	AA	1940130667
SNP_P1_4216_7753010	NC_021160.1	Ca_kabuli_chr01	7753010	TT	AA	1940130669
SNP_P1_4217_7753042	NC_021160.1	Ca_kabuli_chr01	7753042	TT	GG	1940130670
SNP_P1_4218_7753188	NC_021160.1	Ca_kabuli_chr01	7753188	TT	CC	1940130671

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4220_7753369	NC_021160.1	Ca_kabuli_chr01	7753369	TT	CC	1940130673
SNP_P1_4221_7753395	NC_021160.1	Ca_kabuli_chr01	7753395	AA	GG	1940130674
SNP_P1_4222_7753501	NC_021160.1	Ca_kabuli_chr01	7753501	TT	CC	1940130675
SNP_P1_4223_7753688	NC_021160.1	Ca_kabuli_chr01	7753688	GG	CC	1940130676
SNP_P1_4224_7753772	NC_021160.1	Ca_kabuli_chr01	7753772	TT	GG	1940130677
SNP_P1_4225_7754411	NC_021160.1	Ca_kabuli_chr01	7754411	GG	AA	1940130678
SNP_P1_4226_7754442	NC_021160.1	Ca_kabuli_chr01	7754442	CC	TT	1940130679
SNP_P1_4227_7754605	NC_021160.1	Ca_kabuli_chr01	7754605	GG	AA	1940130680
SNP_P1_4228_7754607	NC_021160.1	Ca_kabuli_chr01	7754607	GG	AA	1940130681
SNP_P1_4230_7756021	NC_021160.1	Ca_kabuli_chr01	7756021	GG	AA	1940130682
SNP_P1_4231_7756038	NC_021160.1	Ca_kabuli_chr01	7756038	AA	GG	1940130683
SNP_P1_4232_7756080	NC_021160.1	Ca_kabuli_chr01	7756080	TT	CC	1940130684
SNP_P1_4233_7756084	NC_021160.1	Ca_kabuli_chr01	7756084	AA	TT	1940130685
SNP_P1_4234_7756103	NC_021160.1	Ca_kabuli_chr01	7756103	TT	AA	1940130686
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SNP_P1_4236_7760516	NC_021160.1	Ca_kabuli_chr01	7760516	TT	CC	1940130688
SNP_P1_4237_7760833	NC_021160.1	Ca_kabuli_chr01	7760833	AA	CC	1940130689
SNP_P1_4238_7762216	NC_021160.1	Ca_kabuli_chr01	7762216	GG	TT	1940130690
SNP_P1_4239_7762250	NC_021160.1	Ca_kabuli_chr01	7762250	TT	CC	1940130691
SNP_P1_4241_7764171	NC_021160.1	Ca_kabuli_chr01	7764171	CC	TT	1940130692
SNP_P1_4242_7773056	NC_021160.1	Ca_kabuli_chr01	7773056	AA	GG	1940130693
SNP_P1_4243_7773127	NC_021160.1	Ca_kabuli_chr01	7773127	TT	CC	1940130694
SNP_P1_4244_7773134	NC_021160.1	Ca_kabuli_chr01	7773134	GG	CC	1940130695
SNP_P1_4245_7773151	NC_021160.1	Ca_kabuli_chr01	7773151	TT	CC	1940130696
SNP_P1_4246_7773183	NC_021160.1	Ca_kabuli_chr01	7773183	AA	GG	1940130697
SNP_P1_4247_7773204	NC_021160.1	Ca_kabuli_chr01	7773204	TT	CC	1940130698
SNP_P1_4248_7773402	NC_021160.1	Ca_kabuli_chr01	7773402	TT	CC	1940130699
SNP_P1_4249_7774610	NC_021160.1	Ca_kabuli_chr01	7774610	AA	TT	1940130700
SNP_P1_4250_7774815	NC_021160.1	Ca_kabuli_chr01	7774815	GG	AA	1940130701
SNP_P1_4251_7774982	NC_021160.1	Ca_kabuli_chr01	7774982	GG	AA	1940130702
SNP_P1_4252_7775039	NC_021160.1	Ca_kabuli_chr01	7775039	GG	AA	1940130703
SNP_P1_4254_7775162	NC_021160.1	Ca_kabuli_chr01	7775162	CC	TT	1940130704
SNP_P1_4255_7775191	NC_021160.1	Ca_kabuli_chr01	7775191	CC	AA	1940130705
SNP_P1_4256_7775342	NC_021160.1	Ca_kabuli_chr01	7775342	GG	TT	1940130706
SNP_P1_4257_7775385	NC_021160.1	Ca_kabuli_chr01	7775385	TT	GG	1940130707
SNP_P1_4258_7776525	NC_021160.1	Ca_kabuli_chr01	7776525	AA	TT	1940130708
SNP_P1_4259_7776610	NC_021160.1	Ca_kabuli_chr01	7776610	AA	GG	1940130709
SNP_P1_4260_7776660	NC_021160.1	Ca_kabuli_chr01	7776660	AA	GG	1940130710
SNP_P1_4261_7776709	NC_021160.1	Ca_kabuli_chr01	7776709	TT	CC	1940130711
SNP_P1_4262_7776917	NC_021160.1	Ca_kabuli_chr01	7776917	GG	TT	1940130712
SNP_P1_4263_7776922	NC_021160.1	Ca_kabuli_chr01	7776922	TT	AA	1940130714

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4265_777649	NC_021160.1	Ca_kabuli_chr01	777649	TT	CC	1940130716
SNP_P1_4266_777658	NC_021160.1	Ca_kabuli_chr01	777658	GG	TT	1940130717
SNP_P1_4267_777823	NC_021160.1	Ca_kabuli_chr01	777823	AA	TT	1940130718
SNP_P1_4268_777843	NC_021160.1	Ca_kabuli_chr01	777843	GG	CC	1940130719
SNP_P1_4269_777845	NC_021160.1	Ca_kabuli_chr01	777845	AA	GG	1940130720
SNP_P1_4270_777856	NC_021160.1	Ca_kabuli_chr01	777856	GG	CC	1940130721
SNP_P1_4271_777858	NC_021160.1	Ca_kabuli_chr01	777858	AA	TT	1940130722
SNP_P1_4272_777928	NC_021160.1	Ca_kabuli_chr01	777928	GG	AA	1940130723
SNP_P1_4273_7778082	NC_021160.1	Ca_kabuli_chr01	7778082	AA	GG	1940130724
SNP_P1_4274_7778083	NC_021160.1	Ca_kabuli_chr01	7778083	CC	TT	1940130725
SNP_P1_4275_7778084	NC_021160.1	Ca_kabuli_chr01	7778084	TT	CC	1940130726
SNP_P1_4276_7778098	NC_021160.1	Ca_kabuli_chr01	7778098	AA	TT	1940130727
SNP_P1_4277_7778120	NC_021160.1	Ca_kabuli_chr01	7778120	CC	TT	1940130728
SNP_P1_4278_7778186	NC_021160.1	Ca_kabuli_chr01	7778186	TT	CC	1940130729
SNP_P1_4279_7778203	NC_021160.1	Ca_kabuli_chr01	7778203	CC	TT	1940130730
SNP_P1_4280_7778429	NC_021160.1	Ca_kabuli_chr01	7778429	GG	AA	1940130731
SNP_P1_4281_7778625	NC_021160.1	Ca_kabuli_chr01	7778625	AA	GG	1940130732
SNP_P1_4283_7778800	NC_021160.1	Ca_kabuli_chr01	7778800	CC	GG	1940130733
SNP_P1_4284_7778874	NC_021160.1	Ca_kabuli_chr01	7778874	TT	CC	1940130734
SNP_P1_4285_7778887	NC_021160.1	Ca_kabuli_chr01	7778887	TT	AA	1940130735
SNP_P1_4286_7778896	NC_021160.1	Ca_kabuli_chr01	7778896	CC	AA	1940130736
SNP_P1_4287_7778912	NC_021160.1	Ca_kabuli_chr01	7778912	GG	AA	1940130737
SNP_P1_4288_7778919	NC_021160.1	Ca_kabuli_chr01	7778919	GG	AA	1940130738
SNP_P1_4289_7778929	NC_021160.1	Ca_kabuli_chr01	7778929	AA	GG	1940130739
SNP_P1_4290_7779321	NC_021160.1	Ca_kabuli_chr01	7779321	GG	AA	1940130740
SNP_P1_4291_7780276	NC_021160.1	Ca_kabuli_chr01	7780276	TT	CC	1940130741
SNP_P1_4293_7781393	NC_021160.1	Ca_kabuli_chr01	7781393	AA	GG	1940130742
SNP_P1_4295_7782512	NC_021160.1	Ca_kabuli_chr01	7782512	AA	TT	1940130743
SNP_P1_4296_7782514	NC_021160.1	Ca_kabuli_chr01	7782514	CC	TT	1940130744
SNP_P1_4297_7782518	NC_021160.1	Ca_kabuli_chr01	7782518	TT	AA	1940130745
SNP_P1_4298_7782568	NC_021160.1	Ca_kabuli_chr01	7782568	AA	CC	1940130746
SNP_P1_4299_7782578	NC_021160.1	Ca_kabuli_chr01	7782578	CC	TT	1940130747
SNP_P1_4300_7782865	NC_021160.1	Ca_kabuli_chr01	7782865	GG	AA	1940130748
SNP_P1_4301_7783084	NC_021160.1	Ca_kabuli_chr01	7783084	TT	CC	1940130750
SNP_P1_4302_7783104	NC_021160.1	Ca_kabuli_chr01	7783104	GG	AA	1940130751
SNP_P1_4303_7783108	NC_021160.1	Ca_kabuli_chr01	7783108	AA	GG	1940130752
SNP_P1_4304_7783112	NC_021160.1	Ca_kabuli_chr01	7783112	CC	TT	1940130753
SNP_P1_4305_7783313	NC_021160.1	Ca_kabuli_chr01	7783313	TT	AA	1940130754
SNP_P1_4306_7783343	NC_021160.1	Ca_kabuli_chr01	7783343	TT	GG	1940130755
SNP_P1_4307_7783930	NC_021160.1	Ca_kabuli_chr01	7783930	CC	GG	1940130756
SNP_P1_4308_7783983	NC_021160.1	Ca_kabuli_chr01	7783983	AA	TT	1940130757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4310_7784078	NC_021160.1	Ca_kabuli_chr01	7784078	AA	CC	1940130759
SNP_P1_4311_7784085	NC_021160.1	Ca_kabuli_chr01	7784085	GG	CC	1940130760
SNP_P1_4312_7784524	NC_021160.1	Ca_kabuli_chr01	7784524	TT	GG	1940130761
SNP_P1_4313_7784558	NC_021160.1	Ca_kabuli_chr01	7784558	GG	AA	1940130762
SNP_P1_4314_7784615	NC_021160.1	Ca_kabuli_chr01	7784615	AA	GG	1940130763
SNP_P1_4316_7784646	NC_021160.1	Ca_kabuli_chr01	7784646	TT	CC	1940130764
SNP_P1_4317_7784763	NC_021160.1	Ca_kabuli_chr01	7784763	GG	AA	1940130765
SNP_P1_4318_7784804	NC_021160.1	Ca_kabuli_chr01	7784804	AA	CC	1940130766
SNP_P1_4320_7784894	NC_021160.1	Ca_kabuli_chr01	7784894	CC	TT	1940130767
SNP_P1_4321_7784910	NC_021160.1	Ca_kabuli_chr01	7784910	TT	CC	1940130768
SNP_P1_4322_7784964	NC_021160.1	Ca_kabuli_chr01	7784964	CC	AA	1940130769
SNP_P1_4323_7784996	NC_021160.1	Ca_kabuli_chr01	7784996	GG	AA	1940130770
SNP_P1_4324_7784997	NC_021160.1	Ca_kabuli_chr01	7784997	CC	TT	1940130771
SNP_P1_4325_7785060	NC_021160.1	Ca_kabuli_chr01	7785060	TT	CC	1940130772
SNP_P1_4326_7785150	NC_021160.1	Ca_kabuli_chr01	7785150	AA	GG	1940130773
SNP_P1_4327_7785262	NC_021160.1	Ca_kabuli_chr01	7785262	CC	AA	1940130774
SNP_P1_4328_7785279	NC_021160.1	Ca_kabuli_chr01	7785279	CC	GG	1940130775
SNP_P1_4329_7785391	NC_021160.1	Ca_kabuli_chr01	7785391	TT	CC	1940130776
SNP_P1_4330_7785442	NC_021160.1	Ca_kabuli_chr01	7785442	CC	TT	1940130777
SNP_P1_4331_7785994	NC_021160.1	Ca_kabuli_chr01	7785994	GG	AA	1940130778
SNP_P1_4332_7786008	NC_021160.1	Ca_kabuli_chr01	7786008	GG	AA	1940130779
SNP_P1_4333_7786014	NC_021160.1	Ca_kabuli_chr01	7786014	CC	TT	1940130780
SNP_P1_4334_7786595	NC_021160.1	Ca_kabuli_chr01	7786595	CC	AA	1940130781
SNP_P1_4335_7786602	NC_021160.1	Ca_kabuli_chr01	7786602	CC	GG	1940130782
SNP_P1_4336_7787702	NC_021160.1	Ca_kabuli_chr01	7787702	AA	CC	1940130783
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SNP_P1_4339_7788508	NC_021160.1	Ca_kabuli_chr01	7788508	AA	GG	1940130786
SNP_P1_4340_7788579	NC_021160.1	Ca_kabuli_chr01	7788579	AA	TT	1940130787
SNP_P1_4341_7788586	NC_021160.1	Ca_kabuli_chr01	7788586	TT	CC	1940130788
SNP_P1_4342_7788799	NC_021160.1	Ca_kabuli_chr01	7788799	TT	CC	1940130789
SNP_P1_4343_7789390	NC_021160.1	Ca_kabuli_chr01	7789390	AA	GG	1940130790
SNP_P1_4344_7789398	NC_021160.1	Ca_kabuli_chr01	7789398	CC	TT	1940130791
SNP_P1_4345_7789422	NC_021160.1	Ca_kabuli_chr01	7789422	AA	GG	1940130792
SNP_P1_4346_7789430	NC_021160.1	Ca_kabuli_chr01	7789430	TT	CC	1940130793
SNP_P1_4349_7790129	NC_021160.1	Ca_kabuli_chr01	7790129	AA	GG	1940130794
SNP_P1_4350_7790132	NC_021160.1	Ca_kabuli_chr01	7790132	TT	CC	1940130795
SNP_P1_4351_7790293	NC_021160.1	Ca_kabuli_chr01	7790293	GG	AA	1940130796
SNP_P1_4352_7790324	NC_021160.1	Ca_kabuli_chr01	7790324	GG	AA	1940130797
SNP_P1_4353_7790357	NC_021160.1	Ca_kabuli_chr01	7790357	AA	GG	1940130798
SNP_P1_4354_7790365	NC_021160.1	Ca_kabuli_chr01	7790365	AA	GG	1940130800

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4356_7790402	NC_021160.1	Ca_kabuli_chr01	7790402	AA	TT	1940130802
SNP_P1_4357_7790458	NC_021160.1	Ca_kabuli_chr01	7790458	CC	AA	1940130803
SNP_P1_4358_7790461	NC_021160.1	Ca_kabuli_chr01	7790461	TT	CC	1940130804
SNP_P1_4359_7790621	NC_021160.1	Ca_kabuli_chr01	7790621	AA	GG	1940130805
SNP_P1_4361_7791778	NC_021160.1	Ca_kabuli_chr01	7791778	AA	GG	1940130806
SNP_P1_4362_7791783	NC_021160.1	Ca_kabuli_chr01	7791783	GG	AA	1940130807
SNP_P1_4363_7791784	NC_021160.1	Ca_kabuli_chr01	7791784	AA	CC	1940130808
SNP_P1_4364_7791794	NC_021160.1	Ca_kabuli_chr01	7791794	TT	CC	1940130809
SNP_P1_4365_7792462	NC_021160.1	Ca_kabuli_chr01	7792462	CC	AA	1940130810
SNP_P1_4366_7792742	NC_021160.1	Ca_kabuli_chr01	7792742	AA	GG	1940130811
SNP_P1_4367_7792928	NC_021160.1	Ca_kabuli_chr01	7792928	AA	GG	1940130812
SNP_P1_4369_7793072	NC_021160.1	Ca_kabuli_chr01	7793072	AA	GG	1940130813
SNP_P1_4370_7793094	NC_021160.1	Ca_kabuli_chr01	7793094	AA	CC	1940130814
SNP_P1_4371_7793203	NC_021160.1	Ca_kabuli_chr01	7793203	AA	GG	1940130815
SNP_P1_4372_7793339	NC_021160.1	Ca_kabuli_chr01	7793339	TT	CC	1940130816
SNP_P1_4373_7793363	NC_021160.1	Ca_kabuli_chr01	7793363	TT	CC	1940130817
SNP_P1_4374_7793416	NC_021160.1	Ca_kabuli_chr01	7793416	GG	AA	1940130818
SNP_P1_4375_7793471	NC_021160.1	Ca_kabuli_chr01	7793471	AA	CC	1940130819
SNP_P1_4376_7794049	NC_021160.1	Ca_kabuli_chr01	7794049	AA	GG	1940130820
SNP_P1_4378_7802961	NC_021160.1	Ca_kabuli_chr01	7802961	TT	CC	1940130821
SNP_P1_4379_7806052	NC_021160.1	Ca_kabuli_chr01	7806052	AA	GG	1940130822
SNP_P1_4380_7806523	NC_021160.1	Ca_kabuli_chr01	7806523	AA	CC	1940130823
SNP_P1_4381_7806612	NC_021160.1	Ca_kabuli_chr01	7806612	CC	TT	1940130824
SNP_P1_4382_7809380	NC_021160.1	Ca_kabuli_chr01	7809380	TT	CC	1940130825
SNP_P1_4383_7809854	NC_021160.1	Ca_kabuli_chr01	7809854	GG	AA	1940130826
SNP_P1_4384_7810543	NC_021160.1	Ca_kabuli_chr01	7810543	GG	AA	1940130827
SNP_P1_4385_7810588	NC_021160.1	Ca_kabuli_chr01	7810588	AA	CC	1940130828
SNP_P1_4387_7811915	NC_021160.1	Ca_kabuli_chr01	7811915	AA	GG	1940130830
SNP_P1_4389_7812625	NC_021160.1	Ca_kabuli_chr01	7812625	CC	AA	1940130831
SNP_P1_4390_7813509	NC_021160.1	Ca_kabuli_chr01	7813509	CC	TT	1940130832
SNP_P1_4391_7813820	NC_021160.1	Ca_kabuli_chr01	7813820	AA	GG	1940130833
SNP_P1_4393_7816476	NC_021160.1	Ca_kabuli_chr01	7816476	CC	TT	1940130834
SNP_P1_4394_7816650	NC_021160.1	Ca_kabuli_chr01	7816650	TT	CC	1940130835
SNP_P1_4395_7816963	NC_021160.1	Ca_kabuli_chr01	7816963	GG	TT	1940130836
SNP_P1_4396_7817238	NC_021160.1	Ca_kabuli_chr01	7817238	AA	GG	1940130837
SNP_P1_4397_7819258	NC_021160.1	Ca_kabuli_chr01	7819258	CC	TT	1940130838
SNP_P1_4398_7819432	NC_021160.1	Ca_kabuli_chr01	7819432	CC	TT	1940130839
SNP_P1_4399_7819750	NC_021160.1	Ca_kabuli_chr01	7819750	CC	TT	1940130840
SNP_P1_4400_7819975	NC_021160.1	Ca_kabuli_chr01	7819975	TT	CC	1940130841
SNP_P1_4401_7820043	NC_021160.1	Ca_kabuli_chr01	7820043	CC	TT	1940130842
SNP_P1_4402_7820106	NC_021160.1	Ca_kabuli_chr01	7820106	GG	AA	1940130843

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4404_7820167	NC_021160.1	Ca_kabuli_chr01	7820167	TT	CC	1940130845
SNP_P1_4405_7824316	NC_021160.1	Ca_kabuli_chr01	7824316	GG	AA	1940130846
SNP_P1_4406_7824652	NC_021160.1	Ca_kabuli_chr01	7824652	CC	GG	1940130847
SNP_P1_4407_7824697	NC_021160.1	Ca_kabuli_chr01	7824697	CC	TT	1940130848
SNP_P1_4408_7824715	NC_021160.1	Ca_kabuli_chr01	7824715	CC	TT	1940130849
SNP_P1_4409_7824724	NC_021160.1	Ca_kabuli_chr01	7824724	AA	GG	1940130850
SNP_P1_4410_7824793	NC_021160.1	Ca_kabuli_chr01	7824793	TT	CC	1940130851
SNP_P1_4411_7825566	NC_021160.1	Ca_kabuli_chr01	7825566	CC	AA	1940130852
SNP_P1_4412_7836859	NC_021160.1	Ca_kabuli_chr01	7836859	GG	TT	1940130853
SNP_P1_4413_7839390	NC_021160.1	Ca_kabuli_chr01	7839390	AA	GG	1940130854
SNP_P1_4414_7839397	NC_021160.1	Ca_kabuli_chr01	7839397	CC	GG	1940130855
SNP_P1_4415_7839486	NC_021160.1	Ca_kabuli_chr01	7839486	CC	AA	1940130856
SNP_P1_4416_7840890	NC_021160.1	Ca_kabuli_chr01	7840890	TT	GG	1940130857
SNP_P1_4417_7841119	NC_021160.1	Ca_kabuli_chr01	7841119	GG	TT	1940130858
SNP_P1_4418_7841161	NC_021160.1	Ca_kabuli_chr01	7841161	AA	GG	1940130859
SNP_P1_4420_7841191	NC_021160.1	Ca_kabuli_chr01	7841191	TT	GG	1940130860
SNP_P1_4421_7841207	NC_021160.1	Ca_kabuli_chr01	7841207	TT	CC	1940130861
SNP_P1_4423_7841274	NC_021160.1	Ca_kabuli_chr01	7841274	GG	AA	1940130862
SNP_P1_4424_7841275	NC_021160.1	Ca_kabuli_chr01	7841275	GG	AA	1940130863
SNP_P1_4426_7841578	NC_021160.1	Ca_kabuli_chr01	7841578	TT	CC	1940130864
SNP_P1_4427_7843735	NC_021160.1	Ca_kabuli_chr01	7843735	GG	AA	1940130865
SNP_P1_4428_7843910	NC_021160.1	Ca_kabuli_chr01	7843910	AA	GG	1940130866
SNP_P1_4430_7845921	NC_021160.1	Ca_kabuli_chr01	7845921	AA	CC	1940130867
SNP_P1_4431_7847499	NC_021160.1	Ca_kabuli_chr01	7847499	GG	AA	1940130868
SNP_P1_4432_7847506	NC_021160.1	Ca_kabuli_chr01	7847506	CC	AA	1940130869
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SNP_P1_4434_7862340	NC_021160.1	Ca_kabuli_chr01	7862340	TT	GG	1940130871
SNP_P1_4435_7862380	NC_021160.1	Ca_kabuli_chr01	7862380	TT	CC	1940130872
SNP_P1_4436_7862394	NC_021160.1	Ca_kabuli_chr01	7862394	CC	AA	1940130873
SNP_P1_4437_7862396	NC_021160.1	Ca_kabuli_chr01	7862396	AA	GG	1940130874
SNP_P1_4438_7862401	NC_021160.1	Ca_kabuli_chr01	7862401	AA	GG	1940130875
SNP_P1_4439_7862402	NC_021160.1	Ca_kabuli_chr01	7862402	CC	TT	1940130876
SNP_P1_4440_7865690	NC_021160.1	Ca_kabuli_chr01	7865690	TT	AA	1940130877
SNP_P1_4441_7865691	NC_021160.1	Ca_kabuli_chr01	7865691	AA	CC	1940130878
SNP_P1_4443_7865938	NC_021160.1	Ca_kabuli_chr01	7865938	GG	CC	1940130880
SNP_P1_4444_7865951	NC_021160.1	Ca_kabuli_chr01	7865951	TT	CC	1940130881
SNP_P1_4445_7865993	NC_021160.1	Ca_kabuli_chr01	7865993	TT	AA	1940130882
SNP_P1_4446_7866228	NC_021160.1	Ca_kabuli_chr01	7866228	CC	AA	1940130883
SNP_P1_4447_7866244	NC_021160.1	Ca_kabuli_chr01	7866244	CC	TT	1940130884
SNP_P1_4448_7866254	NC_021160.1	Ca_kabuli_chr01	7866254	CC	TT	1940130885
SNP_P1_4449_7868712	NC_021160.1	Ca_kabuli_chr01	7868712	CC	AA	1940130886

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4452_7868893	NC_021160.1	Ca_kabuli_chr01	7868893	GG	AA	1940130889
SNP_P1_4453_7868899	NC_021160.1	Ca_kabuli_chr01	7868899	CC	TT	1940130890
SNP_P1_4454_7874655	NC_021160.1	Ca_kabuli_chr01	7874655	AA	TT	1940130891
SNP_P1_4455_7874717	NC_021160.1	Ca_kabuli_chr01	7874717	AA	TT	1940130892
SNP_P1_4456_7874781	NC_021160.1	Ca_kabuli_chr01	7874781	AA	TT	1940130893
SNP_P1_4457_7875125	NC_021160.1	Ca_kabuli_chr01	7875125	TT	CC	1940130894
SNP_P1_4458_7875182	NC_021160.1	Ca_kabuli_chr01	7875182	CC	TT	1940130895
SNP_P1_4459_7883532	NC_021160.1	Ca_kabuli_chr01	7883532	CC	AA	1940130896
SNP_P1_4461_7884157	NC_021160.1	Ca_kabuli_chr01	7884157	TT	GG	1940130897
SNP_P1_4462_7885317	NC_021160.1	Ca_kabuli_chr01	7885317	TT	AA	1940130898
SNP_P1_4463_7885323	NC_021160.1	Ca_kabuli_chr01	7885323	AA	CC	1940130899
SNP_P1_4464_7885336	NC_021160.1	Ca_kabuli_chr01	7885336	GG	AA	1940130900
SNP_P1_4465_7885345	NC_021160.1	Ca_kabuli_chr01	7885345	CC	TT	1940130901
SNP_P1_4466_7886469	NC_021160.1	Ca_kabuli_chr01	7886469	CC	TT	1940130902
SNP_P1_4467_7886475	NC_021160.1	Ca_kabuli_chr01	7886475	AA	TT	1940130903
SNP_P1_4468_7886477	NC_021160.1	Ca_kabuli_chr01	7886477	AA	TT	1940130904
SNP_P1_4469_7887184	NC_021160.1	Ca_kabuli_chr01	7887184	CC	TT	1940130905
SNP_P1_4470_7887188	NC_021160.1	Ca_kabuli_chr01	7887188	CC	TT	1940130906
SNP_P1_4471_7887243	NC_021160.1	Ca_kabuli_chr01	7887243	GG	CC	1940130907
SNP_P1_4472_7887650	NC_021160.1	Ca_kabuli_chr01	7887650	GG	TT	1940130908
SNP_P1_4473_7887899	NC_021160.1	Ca_kabuli_chr01	7887899	GG	AA	1940130909
SNP_P1_4475_7888717	NC_021160.1	Ca_kabuli_chr01	7888717	GG	CC	1940130910
SNP_P1_4476_7888794	NC_021160.1	Ca_kabuli_chr01	7888794	TT	AA	1940130911
SNP_P1_4477_7888856	NC_021160.1	Ca_kabuli_chr01	7888856	TT	CC	1940130912
SNP_P1_4479_7889796	NC_021160.1	Ca_kabuli_chr01	7889796	TT	CC	1940130913
SNP_P1_4480_7889980	NC_021160.1	Ca_kabuli_chr01	7889980	TT	CC	1940130914
SNP_P1_4481_7890063	NC_021160.1	Ca_kabuli_chr01	7890063	TT	AA	1940130915
SNP_P1_4482_7890064	NC_021160.1	Ca_kabuli_chr01	7890064	TT	AA	1940130916
SNP_P1_4483_7890065	NC_021160.1	Ca_kabuli_chr01	7890065	TT	AA	1940130917
SNP_P1_4484_7890067	NC_021160.1	Ca_kabuli_chr01	7890067	TT	CC	1940130918
SNP_P1_4485_7890749	NC_021160.1	Ca_kabuli_chr01	7890749	GG	AA	1940130919
SNP_P1_4486_7891308	NC_021160.1	Ca_kabuli_chr01	7891308	TT	GG	1940130920
SNP_P1_4487_7891694	NC_021160.1	Ca_kabuli_chr01	7891694	AA	GG	1940130921
SNP_P1_4488_7891756	NC_021160.1	Ca_kabuli_chr01	7891756	TT	CC	1940130922
SNP_P1_4489_7891954	NC_021160.1	Ca_kabuli_chr01	7891954	GG	TT	1940130924
SNP_P1_4490_7892021	NC_021160.1	Ca_kabuli_chr01	7892021	GG	AA	1940130925
SNP_P1_4491_7893284	NC_021160.1	Ca_kabuli_chr01	7893284	CC	TT	1940130926
SNP_P1_4492_7893331	NC_021160.1	Ca_kabuli_chr01	7893331	GG	AA	1940130927
SNP_P1_4493_7893350	NC_021160.1	Ca_kabuli_chr01	7893350	TT	AA	1940130928
SNP_P1_4494_7893388	NC_021160.1	Ca_kabuli_chr01	7893388	TT	CC	1940130929

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4497_7893439	NC_021160.1	Ca_kabuli_chr01	7893439	CC	TT	1940130932
SNP_P1_4498_7893446	NC_021160.1	Ca_kabuli_chr01	7893446	AA	GG	1940130933
SNP_P1_4499_7893549	NC_021160.1	Ca_kabuli_chr01	7893549	AA	GG	1940130934
SNP_P1_4500_7893718	NC_021160.1	Ca_kabuli_chr01	7893718	TT	CC	1940130935
SNP_P1_4501_7893981	NC_021160.1	Ca_kabuli_chr01	7893981	AA	GG	1940130936
SNP_P1_4502_7894037	NC_021160.1	Ca_kabuli_chr01	7894037	GG	CC	1940130937
SNP_P1_4503_7894729	NC_021160.1	Ca_kabuli_chr01	7894729	GG	AA	1940130938
SNP_P1_4504_7895020	NC_021160.1	Ca_kabuli_chr01	7895020	TT	CC	1940130939
SNP_P1_4505_7895067	NC_021160.1	Ca_kabuli_chr01	7895067	GG	AA	1940130940
SNP_P1_4506_7895290	NC_021160.1	Ca_kabuli_chr01	7895290	TT	AA	1940130941
SNP_P1_4507_7895301	NC_021160.1	Ca_kabuli_chr01	7895301	AA	TT	1940130942
SNP_P1_4509_7895508	NC_021160.1	Ca_kabuli_chr01	7895508	CC	AA	1940130943
SNP_P1_4510_7895616	NC_021160.1	Ca_kabuli_chr01	7895616	AA	GG	1940130944
SNP_P1_4511_7895642	NC_021160.1	Ca_kabuli_chr01	7895642	TT	CC	1940130945
SNP_P1_4512_7895896	NC_021160.1	Ca_kabuli_chr01	7895896	CC	TT	1940130946
SNP_P1_4513_7896429	NC_021160.1	Ca_kabuli_chr01	7896429	CC	TT	1940130947
SNP_P1_4514_7896477	NC_021160.1	Ca_kabuli_chr01	7896477	AA	CC	1940130948
SNP_P1_4515_7899572	NC_021160.1	Ca_kabuli_chr01	7899572	GG	AA	1940130949
SNP_P1_4516_7899581	NC_021160.1	Ca_kabuli_chr01	7899581	AA	TT	1940130950
SNP_P1_4517_7899804	NC_021160.1	Ca_kabuli_chr01	7899804	TT	AA	1940130951
SNP_P1_4518_7899818	NC_021160.1	Ca_kabuli_chr01	7899818	CC	GG	1940130952
SNP_P1_4519_7900021	NC_021160.1	Ca_kabuli_chr01	7900021	AA	GG	1940130953
SNP_P1_4520_7900151	NC_021160.1	Ca_kabuli_chr01	7900151	TT	AA	1940130954
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SNP_P1_4523_7900232	NC_021160.1	Ca_kabuli_chr01	7900232	CC	TT	1940130957
SNP_P1_4524_7900243	NC_021160.1	Ca_kabuli_chr01	7900243	CC	TT	1940130958
SNP_P1_4525_7900305	NC_021160.1	Ca_kabuli_chr01	7900305	TT	CC	1940130959
SNP_P1_4526_7900343	NC_021160.1	Ca_kabuli_chr01	7900343	AA	GG	1940130960
SNP_P1_4527_7900371	NC_021160.1	Ca_kabuli_chr01	7900371	CC	TT	1940130962
SNP_P1_4528_7900536	NC_021160.1	Ca_kabuli_chr01	7900536	CC	TT	1940130963
SNP_P1_4529_7901383	NC_021160.1	Ca_kabuli_chr01	7901383	GG	AA	1940130964
SNP_P1_4530_7902044	NC_021160.1	Ca_kabuli_chr01	7902044	GG	CC	1940130965
SNP_P1_4531_7902048	NC_021160.1	Ca_kabuli_chr01	7902048	GG	AA	1940130966
SNP_P1_4532_7903246	NC_021160.1	Ca_kabuli_chr01	7903246	TT	AA	1940130967
SNP_P1_4533_7903481	NC_021160.1	Ca_kabuli_chr01	7903481	CC	AA	1940130968
SNP_P1_4534_7903483	NC_021160.1	Ca_kabuli_chr01	7903483	TT	GG	1940130969
SNP_P1_4535_7903531	NC_021160.1	Ca_kabuli_chr01	7903531	GG	TT	1940130970
SNP_P1_4536_7903534	NC_021160.1	Ca_kabuli_chr01	7903534	TT	CC	1940130971
SNP_P1_4537_7903745	NC_021160.1	Ca_kabuli_chr01	7903745	GG	AA	1940130972

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4539_7903796	NC_021160.1	Ca_kabuli_chr01	7903796	CC	AA	1940130974
SNP_P1_4540_7903808	NC_021160.1	Ca_kabuli_chr01	7903808	AA	CC	1940130975
SNP_P1_4541_7903813	NC_021160.1	Ca_kabuli_chr01	7903813	AA	GG	1940130976
SNP_P1_4542_7903818	NC_021160.1	Ca_kabuli_chr01	7903818	GG	TT	1940130977
SNP_P1_4544_7904231	NC_021160.1	Ca_kabuli_chr01	7904231	CC	GG	1940130978
SNP_P1_4545_7904232	NC_021160.1	Ca_kabuli_chr01	7904232	TT	AA	1940130979
SNP_P1_4546_7904458	NC_021160.1	Ca_kabuli_chr01	7904458	AA	GG	1940130980
SNP_P1_4547_7904734	NC_021160.1	Ca_kabuli_chr01	7904734	CC	TT	1940130981
SNP_P1_4548_7904981	NC_021160.1	Ca_kabuli_chr01	7904981	GG	AA	1940130982
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SNP_P1_4552_7905478	NC_021160.1	Ca_kabuli_chr01	7905478	TT	GG	1940130986
SNP_P1_4553_7905479	NC_021160.1	Ca_kabuli_chr01	7905479	TT	CC	1940130987
SNP_P1_4554_7910458	NC_021160.1	Ca_kabuli_chr01	7910458	CC	TT	1940130988
SNP_P1_4555_7911644	NC_021160.1	Ca_kabuli_chr01	7911644	AA	GG	1940130989
SNP_P1_4556_7913073	NC_021160.1	Ca_kabuli_chr01	7913073	TT	CC	1940130990
SNP_P1_4557_7913584	NC_021160.1	Ca_kabuli_chr01	7913584	CC	TT	1940130991
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SNP_P1_4560_7915974	NC_021160.1	Ca_kabuli_chr01	7915974	CC	TT	1940130993
SNP_P1_4561_7916745	NC_021160.1	Ca_kabuli_chr01	7916745	CC	GG	1940130994
SNP_P1_4562_7917029	NC_021160.1	Ca_kabuli_chr01	7917029	CC	TT	1940130995
SNP_P1_4563_7917637	NC_021160.1	Ca_kabuli_chr01	7917637	AA	TT	1940130996
SNP_P1_4564_7918666	NC_021160.1	Ca_kabuli_chr01	7918666	AA	GG	1940130997
SNP_P1_4565_7923057	NC_021160.1	Ca_kabuli_chr01	7923057	TT	AA	1940130998
SNP_P1_4566_7923109	NC_021160.1	Ca_kabuli_chr01	7923109	GG	CC	1940130999
SNP_P1_4567_7923757	NC_021160.1	Ca_kabuli_chr01	7923757	GG	AA	1940131000
SNP_P1_4568_7923804	NC_021160.1	Ca_kabuli_chr01	7923804	GG	AA	1940131001
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SNP_P1_4571_7924274	NC_021160.1	Ca_kabuli_chr01	7924274	TT	CC	1940131004
SNP_P1_4572_7924491	NC_021160.1	Ca_kabuli_chr01	7924491	AA	GG	1940131005
SNP_P1_4573_7924492	NC_021160.1	Ca_kabuli_chr01	7924492	CC	TT	1940131006
SNP_P1_4574_7924522	NC_021160.1	Ca_kabuli_chr01	7924522	GG	AA	1940131007
SNP_P1_4575_7924886	NC_021160.1	Ca_kabuli_chr01	7924886	TT	GG	1940131008
SNP_P1_4577_7927909	NC_021160.1	Ca_kabuli_chr01	7927909	CC	TT	1940131009
SNP_P1_4579_7930257	NC_021160.1	Ca_kabuli_chr01	7930257	TT	CC	1940131011
SNP_P1_4580_7930268	NC_021160.1	Ca_kabuli_chr01	7930268	TT	GG	1940131012
SNP_P1_4581_7930703	NC_021160.1	Ca_kabuli_chr01	7930703	CC	TT	1940131013
SNP_P1_4582_7930722	NC_021160.1	Ca_kabuli_chr01	7930722	GG	AA	1940131014
SNP_P1_4583_7930784	NC_021160.1	Ca_kabuli_chr01	7930784	TT	CC	1940131015

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_4584_7930815	NC_021160.1	Ca_kabuli_chr01	7930815	TT	AA	1940131016
SNP_P1_4585_7930977	NC_021160.1	Ca_kabuli_chr01	7930977	AA	TT	1940131017
SNP_P1_4586_7931613	NC_021160.1	Ca_kabuli_chr01	7931613	TT	AA	1940131018
SNP_P1_4587_7931627	NC_021160.1	Ca_kabuli_chr01	7931627	AA	GG	1940131019
SNP_P1_4588_7931821	NC_021160.1	Ca_kabuli_chr01	7931821	AA	GG	1940131020
SNP_P1_4589_7932013	NC_021160.1	Ca_kabuli_chr01	7932013	TT	CC	1940131021
SNP_P1_4590_7932311	NC_021160.1	Ca_kabuli_chr01	7932311	GG	AA	1940131022
SNP_P1_4591_7932318	NC_021160.1	Ca_kabuli_chr01	7932318	GG	AA	1940131023
SNP_P1_4593_7933468	NC_021160.1	Ca_kabuli_chr01	7933468	AA	TT	1940131024
SNP_P1_4594_7936288	NC_021160.1	Ca_kabuli_chr01	7936288	GG	AA	1940131025
SNP_P1_4595_7937479	NC_021160.1	Ca_kabuli_chr01	7937479	TT	CC	1940131026
SNP_P1_4596_7937895	NC_021160.1	Ca_kabuli_chr01	7937895	TT	GG	1940131027
SNP_P1_4597_7937953	NC_021160.1	Ca_kabuli_chr01	7937953	TT	AA	1940131028
SNP_P1_4598_7939813	NC_021160.1	Ca_kabuli_chr01	7939813	TT	GG	1940131029
SNP_P1_4599_7940179	NC_021160.1	Ca_kabuli_chr01	7940179	AA	GG	1940131030
SNP_P1_4600_7942923	NC_021160.1	Ca_kabuli_chr01	7942923	AA	GG	1940131031
SNP_P1_4601_7942932	NC_021160.1	Ca_kabuli_chr01	7942932	AA	CC	1940131032
SNP_P1_4603_7943201	NC_021160.1	Ca_kabuli_chr01	7943201	AA	GG	1940131033
SNP_P1_4605_7943291	NC_021160.1	Ca_kabuli_chr01	7943291	AA	CC	1940131034
SNP_P1_4606_7943419	NC_021160.1	Ca_kabuli_chr01	7943419	GG	AA	1940131035
SNP_P1_4607_7943440	NC_021160.1	Ca_kabuli_chr01	7943440	AA	CC	1940131036
SNP_P1_4608_7945054	NC_021160.1	Ca_kabuli_chr01	7945054	TT	CC	1940131037
SNP_P1_4609_7945079	NC_021160.1	Ca_kabuli_chr01	7945079	AA	CC	1940131038
SNP_P1_4610_7945082	NC_021160.1	Ca_kabuli_chr01	7945082	TT	AA	1940131039
SNP_P1_4611_7945098	NC_021160.1	Ca_kabuli_chr01	7945098	CC	TT	1940131040
SNP_P1_4612_7945204	NC_021160.1	Ca_kabuli_chr01	7945204	AA	TT	1940131041
SNP_P1_4613_7945491	NC_021160.1	Ca_kabuli_chr01	7945491	TT	GG	1940131042
SNP_P1_4614_7945805	NC_021160.1	Ca_kabuli_chr01	7945805	TT	AA	1940131043
SNP_P1_4615_7945914	NC_021160.1	Ca_kabuli_chr01	7945914	CC	TT	1940131044
SNP_P1_4617_7946151	NC_021160.1	Ca_kabuli_chr01	7946151	CC	TT	1940131045
SNP_P1_4618_7946179	NC_021160.1	Ca_kabuli_chr01	7946179	TT	CC	1940131046
SNP_P1_4619_7946433	NC_021160.1	Ca_kabuli_chr01	7946433	CC	TT	1940131047
SNP_P1_4620_7946886	NC_021160.1	Ca_kabuli_chr01	7946886	CC	AA	1940131048
SNP_P1_4622_7947928	NC_021160.1	Ca_kabuli_chr01	7947928	TT	AA	1940131050
SNP_P1_4623_7947942	NC_021160.1	Ca_kabuli_chr01	7947942	CC	TT	1940131051
SNP_P1_4626_7948539	NC_021160.1	Ca_kabuli_chr01	7948539	TT	AA	1940131052
SNP_P1_4628_7948707	NC_021160.1	Ca_kabuli_chr01	7948707	TT	GG	1940131053
SNP_P1_4629_7953589	NC_021160.1	Ca_kabuli_chr01	7953589	GG	AA	1940131054
SNP_P1_4630_7953604	NC_021160.1	Ca_kabuli_chr01	7953604	TT	GG	1940131055
SNP_P1_4631_7953639	NC_021160.1	Ca_kabuli_chr01	7953639	GG	CC	1940131056
SNP_P1_4632_7953641	NC_021160.1	Ca_kabuli_chr01	7953641	GG	AA	1940131057
SNP_P1_4633_7954455	NC_021160.1	Ca_kabuli_chr01	7954455	TT	CC	1940131058

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4636_7954882	NC_021160.1	Ca_kabuli_chr01	7954882	AA	TT	1940131060
SNP_P1_4638_7954911	NC_021160.1	Ca_kabuli_chr01	7954911	GG	AA	1940131061
SNP_P1_4639_7955248	NC_021160.1	Ca_kabuli_chr01	7955248	AA	GG	1940131062
SNP_P1_4641_7955303	NC_021160.1	Ca_kabuli_chr01	7955303	AA	GG	1940131063
SNP_P1_4642_7956049	NC_021160.1	Ca_kabuli_chr01	7956049	AA	TT	1940131064
SNP_P1_4643_7957518	NC_021160.1	Ca_kabuli_chr01	7957518	CC	AA	1940131065
SNP_P1_4644_7957520	NC_021160.1	Ca_kabuli_chr01	7957520	CC	AA	1940131066
SNP_P1_4645_7957758	NC_021160.1	Ca_kabuli_chr01	7957758	CC	GG	1940131067
SNP_P1_4646_7958254	NC_021160.1	Ca_kabuli_chr01	7958254	GG	AA	1940131068
SNP_P1_4647_7959305	NC_021160.1	Ca_kabuli_chr01	7959305	CC	AA	1940131069
SNP_P1_4648_7959664	NC_021160.1	Ca_kabuli_chr01	7959664	TT	CC	1940131070
SNP_P1_4649_7961668	NC_021160.1	Ca_kabuli_chr01	7961668	CC	TT	1940131071
SNP_P1_4650_7961731	NC_021160.1	Ca_kabuli_chr01	7961731	CC	TT	1940131072
SNP_P1_4651_7961732	NC_021160.1	Ca_kabuli_chr01	7961732	AA	CC	1940131073
SNP_P1_4652_7962694	NC_021160.1	Ca_kabuli_chr01	7962694	CC	TT	1940131074
SNP_P1_4653_7962809	NC_021160.1	Ca_kabuli_chr01	7962809	GG	AA	1940131075
SNP_P1_4654_7962897	NC_021160.1	Ca_kabuli_chr01	7962897	CC	AA	1940131076
SNP_P1_4655_7962974	NC_021160.1	Ca_kabuli_chr01	7962974	CC	TT	1940131077
SNP_P1_4656_7963030	NC_021160.1	Ca_kabuli_chr01	7963030	TT	AA	1940131078
SNP_P1_4658_7963175	NC_021160.1	Ca_kabuli_chr01	7963175	AA	GG	1940131079
SNP_P1_4659_7963260	NC_021160.1	Ca_kabuli_chr01	7963260	GG	AA	1940131080
SNP_P1_4660_7963261	NC_021160.1	Ca_kabuli_chr01	7963261	AA	GG	1940131081
SNP_P1_4661_7963349	NC_021160.1	Ca_kabuli_chr01	7963349	AA	TT	1940131082
SNP_P1_4662_7963561	NC_021160.1	Ca_kabuli_chr01	7963561	CC	GG	1940131083
SNP_P1_4663_7963576	NC_021160.1	Ca_kabuli_chr01	7963576	AA	CC	1940131084
SNP_P1_4664_7963647	NC_021160.1	Ca_kabuli_chr01	7963647	GG	AA	1940131085
SNP_P1_4665_7963924	NC_021160.1	Ca_kabuli_chr01	7963924	TT	CC	1940131086
SNP_P1_4666_7964341	NC_021160.1	Ca_kabuli_chr01	7964341	GG	AA	1940131088
SNP_P1_4667_7964343	NC_021160.1	Ca_kabuli_chr01	7964343	TT	GG	1940131089
SNP_P1_4669_7967810	NC_021160.1	Ca_kabuli_chr01	7967810	AA	TT	1940131090
SNP_P1_4670_7968051	NC_021160.1	Ca_kabuli_chr01	7968051	GG	TT	1940131091
SNP_P1_4671_7968098	NC_021160.1	Ca_kabuli_chr01	7968098	AA	GG	1940131092
SNP_P1_4672_7968106	NC_021160.1	Ca_kabuli_chr01	7968106	GG	CC	1940131093
SNP_P1_4674_7970593	NC_021160.1	Ca_kabuli_chr01	7970593	TT	CC	1940131094
SNP_P1_4675_7970934	NC_021160.1	Ca_kabuli_chr01	7970934	CC	GG	1940131095
SNP_P1_4676_7971906	NC_021160.1	Ca_kabuli_chr01	7971906	GG	AA	1940131096
SNP_P1_4677_7972250	NC_021160.1	Ca_kabuli_chr01	7972250	AA	TT	1940131097
SNP_P1_4678_7972374	NC_021160.1	Ca_kabuli_chr01	7972374	AA	TT	1940131098
SNP_P1_4679_7972464	NC_021160.1	Ca_kabuli_chr01	7972464	GG	AA	1940131099
SNP_P1_4680_7972501	NC_021160.1	Ca_kabuli_chr01	7972501	TT	CC	1940131100
SNP_P1_4681_7972516	NC_021160.1	Ca_kabuli_chr01	7972516	AA	CC	1940131101

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4683_7972524	NC_021160.1	Ca_kabuli_chr01	7972524	AA	TT	1940131103
SNP_P1_4684_7973689	NC_021160.1	Ca_kabuli_chr01	7973689	TT	AA	1940131104
SNP_P1_4686_7975538	NC_021160.1	Ca_kabuli_chr01	7975538	TT	AA	1940131105
SNP_P1_4687_7975583	NC_021160.1	Ca_kabuli_chr01	7975583	GG	TT	1940131106
SNP_P1_4688_7975597	NC_021160.1	Ca_kabuli_chr01	7975597	GG	AA	1940131107
SNP_P1_4689_7975768	NC_021160.1	Ca_kabuli_chr01	7975768	CC	TT	1940131108
SNP_P1_4690_7975804	NC_021160.1	Ca_kabuli_chr01	7975804	AA	GG	1940131109
SNP_P1_4691_7975810	NC_021160.1	Ca_kabuli_chr01	7975810	GG	AA	1940131110
SNP_P1_4692_7975845	NC_021160.1	Ca_kabuli_chr01	7975845	TT	CC	1940131111
SNP_P1_4693_7975846	NC_021160.1	Ca_kabuli_chr01	7975846	CC	TT	1940131112
SNP_P1_4694_7975924	NC_021160.1	Ca_kabuli_chr01	7975924	TT	CC	1940131113
SNP_P1_4695_7975932	NC_021160.1	Ca_kabuli_chr01	7975932	CC	TT	1940131114
SNP_P1_4696_7975938	NC_021160.1	Ca_kabuli_chr01	7975938	TT	CC	1940131115
SNP_P1_4697_7975946	NC_021160.1	Ca_kabuli_chr01	7975946	TT	GG	1940131116
SNP_P1_4698_7976136	NC_021160.1	Ca_kabuli_chr01	7976136	CC	TT	1940131118
SNP_P1_4699_7976149	NC_021160.1	Ca_kabuli_chr01	7976149	AA	TT	1940131119
SNP_P1_4700_7976195	NC_021160.1	Ca_kabuli_chr01	7976195	GG	AA	1940131120
SNP_P1_4701_7976228	NC_021160.1	Ca_kabuli_chr01	7976228	AA	TT	1940131121
SNP_P1_4702_7976251	NC_021160.1	Ca_kabuli_chr01	7976251	AA	GG	1940131122
SNP_P1_4703_7976524	NC_021160.1	Ca_kabuli_chr01	7976524	CC	GG	1940131123
SNP_P1_4704_7976539	NC_021160.1	Ca_kabuli_chr01	7976539	AA	CC	1940131124
SNP_P1_4705_7977134	NC_021160.1	Ca_kabuli_chr01	7977134	GG	CC	1940131125
SNP_P1_4706_7977163	NC_021160.1	Ca_kabuli_chr01	7977163	CC	AA	1940131126
SNP_P1_4707_7979596	NC_021160.1	Ca_kabuli_chr01	7979596	AA	TT	1940131127
SNP_P1_4708_7980295	NC_021160.1	Ca_kabuli_chr01	7980295	TT	CC	1940131128
SNP_P1_4709_7980328	NC_021160.1	Ca_kabuli_chr01	7980328	AA	GG	1940131129
SNP_P1_4710_7980333	NC_021160.1	Ca_kabuli_chr01	7980333	AA	GG	1940131130
SNP_P1_4711_7980398	NC_021160.1	Ca_kabuli_chr01	7980398	TT	CC	1940131131
SNP_P1_4712_7980458	NC_021160.1	Ca_kabuli_chr01	7980458	GG	CC	1940131132
SNP_P1_4713_7980663	NC_021160.1	Ca_kabuli_chr01	7980663	AA	GG	1940131133
SNP_P1_4714_7981952	NC_021160.1	Ca_kabuli_chr01	7981952	AA	GG	1940131134
SNP_P1_4715_7981968	NC_021160.1	Ca_kabuli_chr01	7981968	TT	CC	1940131135
SNP_P1_4716_7982015	NC_021160.1	Ca_kabuli_chr01	7982015	GG	AA	1940131136
SNP_P1_4717_7982016	NC_021160.1	Ca_kabuli_chr01	7982016	CC	AA	1940131137
SNP_P1_4718_7982024	NC_021160.1	Ca_kabuli_chr01	7982024	CC	TT	1940131138
SNP_P1_4719_7982103	NC_021160.1	Ca_kabuli_chr01	7982103	AA	GG	1940131140
SNP_P1_4720_7982635	NC_021160.1	Ca_kabuli_chr01	7982635	TT	CC	1940131141
SNP_P1_4721_7982741	NC_021160.1	Ca_kabuli_chr01	7982741	TT	CC	1940131142
SNP_P1_4722_7982865	NC_021160.1	Ca_kabuli_chr01	7982865	GG	CC	1940131143
SNP_P1_4723_7982982	NC_021160.1	Ca_kabuli_chr01	7982982	AA	GG	1940131144
SNP_P1_4724_7982986	NC_021160.1	Ca_kabuli_chr01	7982986	CC	TT	1940131145

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4726_7983052	NC_021160.1	Ca_kabuli_chr01	7983052	AA	GG	1940131147
SNP_P1_4727_7984159	NC_021160.1	Ca_kabuli_chr01	7984159	TT	AA	1940131148
SNP_P1_4728_7984331	NC_021160.1	Ca_kabuli_chr01	7984331	AA	CC	1940131149
SNP_P1_4729_7986317	NC_021160.1	Ca_kabuli_chr01	7986317	CC	TT	1940131151
SNP_P1_4731_7987531	NC_021160.1	Ca_kabuli_chr01	7987531	GG	AA	1940131152
SNP_P1_4733_7987970	NC_021160.1	Ca_kabuli_chr01	7987970	TT	AA	1940131153
SNP_P1_4734_7987973	NC_021160.1	Ca_kabuli_chr01	7987973	TT	AA	1940131154
SNP_P1_4735_7988000	NC_021160.1	Ca_kabuli_chr01	7988000	GG	AA	1940131155
SNP_P1_4736_7988004	NC_021160.1	Ca_kabuli_chr01	7988004	AA	TT	1940131156
SNP_P1_4737_7988503	NC_021160.1	Ca_kabuli_chr01	7988503	TT	AA	1940131157
SNP_P1_4739_7991660	NC_021160.1	Ca_kabuli_chr01	7991660	CC	GG	1940131158
SNP_P1_4740_7991980	NC_021160.1	Ca_kabuli_chr01	7991980	CC	GG	1940131159
SNP_P1_4742_7992348	NC_021160.1	Ca_kabuli_chr01	7992348	TT	AA	1940131160
SNP_P1_4743_7992456	NC_021160.1	Ca_kabuli_chr01	7992456	AA	TT	1940131161
SNP_P1_4745_7992726	NC_021160.1	Ca_kabuli_chr01	7992726	AA	TT	1940131163
SNP_P1_4746_7993383	NC_021160.1	Ca_kabuli_chr01	7993383	GG	TT	1940131164
SNP_P1_4747_7993407	NC_021160.1	Ca_kabuli_chr01	7993407	TT	CC	1940131165
SNP_P1_4748_7993413	NC_021160.1	Ca_kabuli_chr01	7993413	GG	TT	1940131166
SNP_P1_4749_7993429	NC_021160.1	Ca_kabuli_chr01	7993429	TT	CC	1940131167
SNP_P1_4752_7996055	NC_021160.1	Ca_kabuli_chr01	7996055	CC	AA	1940131168
SNP_P1_4753_7996346	NC_021160.1	Ca_kabuli_chr01	7996346	AA	GG	1940131169
SNP_P1_4754_7996355	NC_021160.1	Ca_kabuli_chr01	7996355	TT	CC	1940131170
SNP_P1_4755_7996357	NC_021160.1	Ca_kabuli_chr01	7996357	AA	CC	1940131171
SNP_P1_4756_7996359	NC_021160.1	Ca_kabuli_chr01	7996359	GG	AA	1940131172
SNP_P1_4757_7996564	NC_021160.1	Ca_kabuli_chr01	7996564	AA	TT	1940131173
SNP_P1_4758_7996600	NC_021160.1	Ca_kabuli_chr01	7996600	CC	GG	1940131174
SNP_P1_4759_7996861	NC_021160.1	Ca_kabuli_chr01	7996861	CC	TT	1940131175
SNP_P1_4761_7996978	NC_021160.1	Ca_kabuli_chr01	7996978	TT	CC	1940131176
SNP_P1_4762_7997734	NC_021160.1	Ca_kabuli_chr01	7997734	TT	AA	1940131177
SNP_P1_4764_7998097	NC_021160.1	Ca_kabuli_chr01	7998097	AA	CC	1940131178
SNP_P1_4765_7998363	NC_021160.1	Ca_kabuli_chr01	7998363	AA	GG	1940131179
SNP_P1_4766_7998365	NC_021160.1	Ca_kabuli_chr01	7998365	TT	CC	1940131180
SNP_P1_4767_7998432	NC_021160.1	Ca_kabuli_chr01	7998432	TT	CC	1940131181
SNP_P1_4768_7998458	NC_021160.1	Ca_kabuli_chr01	7998458	GG	AA	1940131182
SNP_P1_4769_7998879	NC_021160.1	Ca_kabuli_chr01	7998879	GG	AA	1940131183
SNP_P1_4770_7998961	NC_021160.1	Ca_kabuli_chr01	7998961	AA	GG	1940131185
SNP_P1_4771_7999684	NC_021160.1	Ca_kabuli_chr01	7999684	GG	AA	1940131186
SNP_P1_4773_8000457	NC_021160.1	Ca_kabuli_chr01	8000457	AA	GG	1940131187
SNP_P1_4775_8000843	NC_021160.1	Ca_kabuli_chr01	8000843	TT	CC	1940131188
SNP_P1_4777_8000889	NC_021160.1	Ca_kabuli_chr01	8000889	CC	TT	1940131189
SNP_P1_4778_8001087	NC_021160.1	Ca_kabuli_chr01	8001087	TT	AA	1940131190

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4780_8001158	NC_021160.1	Ca_kabuli_chr01	8001158	AA	CC	1940131192
SNP_P1_4782_8001726	NC_021160.1	Ca_kabuli_chr01	8001726	CC	TT	1940131193
SNP_P1_4784_8002262	NC_021160.1	Ca_kabuli_chr01	8002262	TT	AA	1940131194
SNP_P1_4785_8002265	NC_021160.1	Ca_kabuli_chr01	8002265	AA	TT	1940131195
SNP_P1_4786_8002372	NC_021160.1	Ca_kabuli_chr01	8002372	AA	GG	1940131196
SNP_P1_4788_8002423	NC_021160.1	Ca_kabuli_chr01	8002423	TT	GG	1940131197
SNP_P1_4789_8002686	NC_021160.1	Ca_kabuli_chr01	8002686	TT	CC	1940131198
SNP_P1_4790_8002723	NC_021160.1	Ca_kabuli_chr01	8002723	TT	CC	1940131199
SNP_P1_4791_8002932	NC_021160.1	Ca_kabuli_chr01	8002932	TT	CC	1940131200
SNP_P1_4793_8003024	NC_021160.1	Ca_kabuli_chr01	8003024	AA	GG	1940131201
SNP_P1_4794_8003048	NC_021160.1	Ca_kabuli_chr01	8003048	TT	CC	1940131202
SNP_P1_4795_8003059	NC_021160.1	Ca_kabuli_chr01	8003059	CC	TT	1940131203
SNP_P1_4796_8003061	NC_021160.1	Ca_kabuli_chr01	8003061	CC	TT	1940131204
SNP_P1_4797_8003081	NC_021160.1	Ca_kabuli_chr01	8003081	TT	CC	1940131205
SNP_P1_4798_8003214	NC_021160.1	Ca_kabuli_chr01	8003214	AA	CC	1940131206
SNP_P1_4799_8004691	NC_021160.1	Ca_kabuli_chr01	8004691	TT	GG	1940131207
SNP_P1_4800_8005303	NC_021160.1	Ca_kabuli_chr01	8005303	AA	TT	1940131208
SNP_P1_4801_8005312	NC_021160.1	Ca_kabuli_chr01	8005312	TT	CC	1940131209
SNP_P1_4802_8006308	NC_021160.1	Ca_kabuli_chr01	8006308	GG	CC	1940131210
SNP_P1_4805_8007126	NC_021160.1	Ca_kabuli_chr01	8007126	AA	CC	1940131211
SNP_P1_4806_8007185	NC_021160.1	Ca_kabuli_chr01	8007185	GG	AA	1940131212
SNP_P1_4807_8007221	NC_021160.1	Ca_kabuli_chr01	8007221	GG	AA	1940131213
SNP_P1_4808_8007479	NC_021160.1	Ca_kabuli_chr01	8007479	CC	TT	1940131214
SNP_P1_4809_8007524	NC_021160.1	Ca_kabuli_chr01	8007524	AA	TT	1940131215
SNP_P1_4810_8008484	NC_021160.1	Ca_kabuli_chr01	8008484	GG	AA	1940131216
SNP_P1_4811_8008720	NC_021160.1	Ca_kabuli_chr01	8008720	AA	GG	1940131217
SNP_P1_4812_8008754	NC_021160.1	Ca_kabuli_chr01	8008754	TT	CC	1940131218
SNP_P1_4813_8009080	NC_021160.1	Ca_kabuli_chr01	8009080	CC	TT	1940131219
SNP_P1_4814_8009096	NC_021160.1	Ca_kabuli_chr01	8009096	AA	GG	1940131220
SNP_P1_4815_8009103	NC_021160.1	Ca_kabuli_chr01	8009103	GG	TT	1940131221
SNP_P1_4816_8011349	NC_021160.1	Ca_kabuli_chr01	8011349	TT	CC	1940131222
SNP_P1_4817_8011567	NC_021160.1	Ca_kabuli_chr01	8011567	TT	CC	1940131224
SNP_P1_4818_8015135	NC_021160.1	Ca_kabuli_chr01	8015135	CC	TT	1940131225
SNP_P1_4820_8015607	NC_021160.1	Ca_kabuli_chr01	8015607	AA	GG	1940131226
SNP_P1_4823_8017663	NC_021160.1	Ca_kabuli_chr01	8017663	GG	CC	1940131227
SNP_P1_4824_8017989	NC_021160.1	Ca_kabuli_chr01	8017989	AA	GG	1940131228
SNP_P1_4825_8018001	NC_021160.1	Ca_kabuli_chr01	8018001	AA	GG	1940131229
SNP_P1_4826_8018054	NC_021160.1	Ca_kabuli_chr01	8018054	AA	TT	1940131230
SNP_P1_4827_8019194	NC_021160.1	Ca_kabuli_chr01	8019194	TT	CC	1940131231
SNP_P1_4828_8019206	NC_021160.1	Ca_kabuli_chr01	8019206	AA	GG	1940131232
SNP_P1_4829_8019901	NC_021160.1	Ca_kabuli_chr01	8019901	GG	AA	1940131233

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4831_8020821	NC_021160.1	Ca_kabuli_chr01	8020821	CC	TT	1940131235
SNP_P1_4832_8021535	NC_021160.1	Ca_kabuli_chr01	8021535	AA	GG	1940131236
SNP_P1_4833_8021855	NC_021160.1	Ca_kabuli_chr01	8021855	AA	CC	1940131237
SNP_P1_4834_8022435	NC_021160.1	Ca_kabuli_chr01	8022435	AA	GG	1940131238
SNP_P1_4836_8023557	NC_021160.1	Ca_kabuli_chr01	8023557	AA	GG	1940131239
SNP_P1_4837_8023733	NC_021160.1	Ca_kabuli_chr01	8023733	GG	AA	1940131240
SNP_P1_4838_8023743	NC_021160.1	Ca_kabuli_chr01	8023743	TT	CC	1940131241
SNP_P1_4839_8023760	NC_021160.1	Ca_kabuli_chr01	8023760	CC	TT	1940131242
SNP_P1_4840_8023860	NC_021160.1	Ca_kabuli_chr01	8023860	AA	GG	1940131243
SNP_P1_4841_8024067	NC_021160.1	Ca_kabuli_chr01	8024067	CC	TT	1940131244
SNP_P1_4842_8024122	NC_021160.1	Ca_kabuli_chr01	8024122	GG	AA	1940131245
SNP_P1_4843_8025088	NC_021160.1	Ca_kabuli_chr01	8025088	GG	TT	1940131246
SNP_P1_4844_8025764	NC_021160.1	Ca_kabuli_chr01	8025764	TT	CC	1940131247
SNP_P1_4845_8026372	NC_021160.1	Ca_kabuli_chr01	8026372	GG	AA	1940131248
SNP_P1_4846_8026478	NC_021160.1	Ca_kabuli_chr01	8026478	CC	TT	1940131249
SNP_P1_4847_8028320	NC_021160.1	Ca_kabuli_chr01	8028320	AA	TT	1940131250
SNP_P1_4848_8028325	NC_021160.1	Ca_kabuli_chr01	8028325	TT	CC	1940131251
SNP_P1_4849_8029348	NC_021160.1	Ca_kabuli_chr01	8029348	AA	TT	1940131252
SNP_P1_4850_8029368	NC_021160.1	Ca_kabuli_chr01	8029368	TT	CC	1940131253
SNP_P1_4851_8029391	NC_021160.1	Ca_kabuli_chr01	8029391	CC	TT	1940131254
SNP_P1_4852_8029405	NC_021160.1	Ca_kabuli_chr01	8029405	AA	GG	1940131255
SNP_P1_4853_8029414	NC_021160.1	Ca_kabuli_chr01	8029414	GG	AA	1940131256
SNP_P1_4854_8029456	NC_021160.1	Ca_kabuli_chr01	8029456	GG	AA	1940131257
SNP_P1_4855_8029600	NC_021160.1	Ca_kabuli_chr01	8029600	CC	TT	1940131258
SNP_P1_4856_8029876	NC_021160.1	Ca_kabuli_chr01	8029876	GG	AA	1940131259
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SNP_P1_4860_8030162	NC_021160.1	Ca_kabuli_chr01	8030162	AA	GG	1940131263
SNP_P1_4861_8030231	NC_021160.1	Ca_kabuli_chr01	8030231	TT	GG	1940131264
SNP_P1_4862_8030666	NC_021160.1	Ca_kabuli_chr01	8030666	CC	TT	1940131266
SNP_P1_4863_8030678	NC_021160.1	Ca_kabuli_chr01	8030678	GG	AA	1940131267
SNP_P1_4864_8030798	NC_021160.1	Ca_kabuli_chr01	8030798	GG	AA	1940131268
SNP_P1_4865_8030807	NC_021160.1	Ca_kabuli_chr01	8030807	GG	AA	1940131269
SNP_P1_4866_8030943	NC_021160.1	Ca_kabuli_chr01	8030943	TT	CC	1940131270
SNP_P1_4867_8031611	NC_021160.1	Ca_kabuli_chr01	8031611	TT	CC	1940131271
SNP_P1_4868_8031631	NC_021160.1	Ca_kabuli_chr01	8031631	CC	TT	1940131272
SNP_P1_4871_8031812	NC_021160.1	Ca_kabuli_chr01	8031812	TT	GG	1940131273
SNP_P1_4872_8031831	NC_021160.1	Ca_kabuli_chr01	8031831	GG	CC	1940131274
SNP_P1_4873_8031890	NC_021160.1	Ca_kabuli_chr01	8031890	CC	TT	1940131275
SNP_P1_4874_8031926	NC_021160.1	Ca_kabuli_chr01	8031926	TT	CC	1940131276

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4876_8031994	NC_021160.1	Ca_kabuli_chr01	8031994	TT	AA	1940131278
SNP_P1_4877_8032390	NC_021160.1	Ca_kabuli_chr01	8032390	TT	CC	1940131279
SNP_P1_4878_8032391	NC_021160.1	Ca_kabuli_chr01	8032391	CC	TT	1940131280
SNP_P1_4879_8032402	NC_021160.1	Ca_kabuli_chr01	8032402	AA	GG	1940131281
SNP_P1_4880_8032423	NC_021160.1	Ca_kabuli_chr01	8032423	AA	CC	1940131282
SNP_P1_4881_8032723	NC_021160.1	Ca_kabuli_chr01	8032723	CC	AA	1940131283
SNP_P1_4882_8033179	NC_021160.1	Ca_kabuli_chr01	8033179	CC	TT	1940131284
SNP_P1_4883_8035207	NC_021160.1	Ca_kabuli_chr01	8035207	GG	AA	1940131285
SNP_P1_4885_8035538	NC_021160.1	Ca_kabuli_chr01	8035538	AA	GG	1940131286
SNP_P1_4886_8035655	NC_021160.1	Ca_kabuli_chr01	8035655	AA	GG	1940131287
SNP_P1_4887_8035656	NC_021160.1	Ca_kabuli_chr01	8035656	TT	AA	1940131288
SNP_P1_4888_8035659	NC_021160.1	Ca_kabuli_chr01	8035659	AA	TT	1940131289
SNP_P1_4889_8035730	NC_021160.1	Ca_kabuli_chr01	8035730	AA	CC	1940131290
SNP_P1_4890_8036281	NC_021160.1	Ca_kabuli_chr01	8036281	TT	AA	1940131291
SNP_P1_4891_8036403	NC_021160.1	Ca_kabuli_chr01	8036403	AA	GG	1940131292
SNP_P1_4892_8036666	NC_021160.1	Ca_kabuli_chr01	8036666	CC	TT	1940131293
SNP_P1_4893_8036706	NC_021160.1	Ca_kabuli_chr01	8036706	AA	GG	1940131294
SNP_P1_4894_8036903	NC_021160.1	Ca_kabuli_chr01	8036903	AA	TT	1940131295
SNP_P1_4895_8036917	NC_021160.1	Ca_kabuli_chr01	8036917	TT	GG	1940131296
SNP_P1_4896_8037248	NC_021160.1	Ca_kabuli_chr01	8037248	GG	AA	1940131297
SNP_P1_4897_8038097	NC_021160.1	Ca_kabuli_chr01	8038097	TT	GG	1940131298
SNP_P1_4898_8038356	NC_021160.1	Ca_kabuli_chr01	8038356	TT	GG	1940131299
SNP_P1_4899_8038407	NC_021160.1	Ca_kabuli_chr01	8038407	TT	AA	1940131300
SNP_P1_4900_8038675	NC_021160.1	Ca_kabuli_chr01	8038675	CC	TT	1940131301
SNP_P1_4901_8038695	NC_021160.1	Ca_kabuli_chr01	8038695	AA	GG	1940131302
SNP_P1_4902_8038700	NC_021160.1	Ca_kabuli_chr01	8038700	AA	GG	1940131303
SNP_P1_4903_8038978	NC_021160.1	Ca_kabuli_chr01	8038978	CC	TT	1940131304
SNP_P1_4904_8039862	NC_021160.1	Ca_kabuli_chr01	8039862	AA	TT	1940131305
SNP_P1_4905_8041316	NC_021160.1	Ca_kabuli_chr01	8041316	GG	CC	1940131306
SNP_P1_4906_8041694	NC_021160.1	Ca_kabuli_chr01	8041694	CC	TT	1940131307
SNP_P1_4907_8041855	NC_021160.1	Ca_kabuli_chr01	8041855	GG	AA	1940131308
SNP_P1_4908_8041880	NC_021160.1	Ca_kabuli_chr01	8041880	CC	AA	1940131310
SNP_P1_4909_8041935	NC_021160.1	Ca_kabuli_chr01	8041935	TT	CC	1940131311
SNP_P1_4910_8041944	NC_021160.1	Ca_kabuli_chr01	8041944	GG	CC	1940131312
SNP_P1_4911_8041975	NC_021160.1	Ca_kabuli_chr01	8041975	TT	CC	1940131313
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SNP_P1_4913_8042483	NC_021160.1	Ca_kabuli_chr01	8042483	GG	AA	1940131315
SNP_P1_4914_8042489	NC_021160.1	Ca_kabuli_chr01	8042489	AA	GG	1940131316
SNP_P1_4915_8042633	NC_021160.1	Ca_kabuli_chr01	8042633	AA	GG	1940131317
SNP_P1_4916_8042770	NC_021160.1	Ca_kabuli_chr01	8042770	AA	CC	1940131318
SNP_P1_4917_8042776	NC_021160.1	Ca_kabuli_chr01	8042776	AA	CC	1940131319

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4919_8042874	NC_021160.1	Ca_kabuli_chr01	8042874	TT	CC	1940131321
SNP_P1_4920_8042888	NC_021160.1	Ca_kabuli_chr01	8042888	AA	GG	1940131322
SNP_P1_4921_8043383	NC_021160.1	Ca_kabuli_chr01	8043383	AA	GG	1940131323
SNP_P1_4922_8043624	NC_021160.1	Ca_kabuli_chr01	8043624	AA	GG	1940131324
SNP_P1_4924_8045139	NC_021160.1	Ca_kabuli_chr01	8045139	GG	TT	1940131325
SNP_P1_4925_8045915	NC_021160.1	Ca_kabuli_chr01	8045915	AA	GG	1940131326
SNP_P1_4927_8046866	NC_021160.1	Ca_kabuli_chr01	8046866	TT	AA	1940131327
SNP_P1_4928_8047547	NC_021160.1	Ca_kabuli_chr01	8047547	TT	CC	1940131328
SNP_P1_4929_8047711	NC_021160.1	Ca_kabuli_chr01	8047711	CC	GG	1940131329
SNP_P1_4930_8047883	NC_021160.1	Ca_kabuli_chr01	8047883	GG	AA	1940131330
SNP_P1_4931_8047888	NC_021160.1	Ca_kabuli_chr01	8047888	TT	CC	1940131331
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SNP_P1_4935_8049258	NC_021160.1	Ca_kabuli_chr01	8049258	GG	CC	1940131334
SNP_P1_4937_8050175	NC_021160.1	Ca_kabuli_chr01	8050175	TT	CC	1940131335
SNP_P1_4938_8050184	NC_021160.1	Ca_kabuli_chr01	8050184	AA	GG	1940131336
SNP_P1_4939_8050267	NC_021160.1	Ca_kabuli_chr01	8050267	CC	GG	1940131337
SNP_P1_4940_8053688	NC_021160.1	Ca_kabuli_chr01	8053688	GG	AA	1940131338
SNP_P1_4941_8054124	NC_021160.1	Ca_kabuli_chr01	8054124	AA	TT	1940131339
SNP_P1_4942_8055922	NC_021160.1	Ca_kabuli_chr01	8055922	GG	CC	1940131341
SNP_P1_4943_8059164	NC_021160.1	Ca_kabuli_chr01	8059164	AA	GG	1940131342
SNP_P1_4944_8060728	NC_021160.1	Ca_kabuli_chr01	8060728	GG	AA	1940131343
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SNP_P1_4950_8061379	NC_021160.1	Ca_kabuli_chr01	8061379	TT	GG	1940131349
SNP_P1_4953_8062026	NC_021160.1	Ca_kabuli_chr01	8062026	CC	TT	1940131350
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SNP_P1_4957_8062336	NC_021160.1	Ca_kabuli_chr01	8062336	CC	GG	1940131353
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SNP_P1_4961_8062448	NC_021160.1	Ca_kabuli_chr01	8062448	CC	GG	1940131357
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SNP_P1_4963_8062494	NC_021160.1	Ca_kabuli_chr01	8062494	TT	GG	1940131359
SNP_P1_4964_8062653	NC_021160.1	Ca_kabuli_chr01	8062653	CC	TT	1940131360
SNP_P1_4966_8064699	NC_021160.1	Ca_kabuli_chr01	8064699	CC	TT	1940131361
SNP_P1_4968_8065474	NC_021160.1	Ca_kabuli_chr01	8065474	AA	GG	1940131362

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_4971_8065582	NC_021160.1	Ca_kabuli_chr01	8065582	AA	CC	1940131365
SNP_P1_4972_8065753	NC_021160.1	Ca_kabuli_chr01	8065753	CC	TT	1940131366
SNP_P1_4973_8066106	NC_021160.1	Ca_kabuli_chr01	8066106	TT	CC	1940131367
SNP_P1_4974_8068958	NC_021160.1	Ca_kabuli_chr01	8068958	AA	CC	1940131368
SNP_P1_4975_8068967	NC_021160.1	Ca_kabuli_chr01	8068967	AA	GG	1940131369
SNP_P1_4976_8069391	NC_021160.1	Ca_kabuli_chr01	8069391	TT	CC	1940131370
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SNP_P1_4978_8072915	NC_021160.1	Ca_kabuli_chr01	8072915	AA	GG	1940131372
SNP_P1_4979_8074389	NC_021160.1	Ca_kabuli_chr01	8074389	TT	CC	1940131373
SNP_P1_4982_8074712	NC_021160.1	Ca_kabuli_chr01	8074712	GG	AA	1940131374
SNP_P1_4983_8074738	NC_021160.1	Ca_kabuli_chr01	8074738	CC	TT	1940131375
SNP_P1_4984_8075082	NC_021160.1	Ca_kabuli_chr01	8075082	AA	GG	1940131376
SNP_P1_4985_8075270	NC_021160.1	Ca_kabuli_chr01	8075270	TT	CC	1940131377
SNP_P1_4986_8078623	NC_021160.1	Ca_kabuli_chr01	8078623	GG	AA	1940131378
SNP_P1_4987_8078633	NC_021160.1	Ca_kabuli_chr01	8078633	TT	AA	1940131379
SNP_P1_4988_8078704	NC_021160.1	Ca_kabuli_chr01	8078704	CC	TT	1940131380
SNP_P1_4989_8078705	NC_021160.1	Ca_kabuli_chr01	8078705	TT	AA	1940131381
SNP_P1_4990_8078715	NC_021160.1	Ca_kabuli_chr01	8078715	TT	CC	1940131382
SNP_P1_4991_8078721	NC_021160.1	Ca_kabuli_chr01	8078721	TT	AA	1940131384
SNP_P1_4992_8078727	NC_021160.1	Ca_kabuli_chr01	8078727	TT	AA	1940131385
SNP_P1_4993_8078960	NC_021160.1	Ca_kabuli_chr01	8078960	GG	CC	1940131386
SNP_P1_4994_8078981	NC_021160.1	Ca_kabuli_chr01	8078981	AA	TT	1940131387
SNP_P1_4995_8079001	NC_021160.1	Ca_kabuli_chr01	8079001	GG	TT	1940131388
SNP_P1_4996_8079016	NC_021160.1	Ca_kabuli_chr01	8079016	GG	AA	1940131389
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SNP_P1_4998_8087922	NC_021160.1	Ca_kabuli_chr01	8087922	GG	CC	1940131391
SNP_P1_4999_8088308	NC_021160.1	Ca_kabuli_chr01	8088308	AA	CC	1940131392
SNP_P1_5000_8088337	NC_021160.1	Ca_kabuli_chr01	8088337	TT	AA	1940131393
SNP_P1_5001_8090274	NC_021160.1	Ca_kabuli_chr01	8090274	TT	GG	1940131394
SNP_P1_5002_8090567	NC_021160.1	Ca_kabuli_chr01	8090567	GG	AA	1940131395
SNP_P1_5003_8090729	NC_021160.1	Ca_kabuli_chr01	8090729	GG	AA	1940131396
SNP_P1_5004_8090889	NC_021160.1	Ca_kabuli_chr01	8090889	TT	CC	1940131397
SNP_P1_5005_8091200	NC_021160.1	Ca_kabuli_chr01	8091200	TT	CC	1940131398
SNP_P1_5006_8091739	NC_021160.1	Ca_kabuli_chr01	8091739	GG	AA	1940131399
SNP_P1_5007_8091828	NC_021160.1	Ca_kabuli_chr01	8091828	TT	CC	1940131400
SNP_P1_5009_8092077	NC_021160.1	Ca_kabuli_chr01	8092077	CC	AA	1940131401
SNP_P1_5010_8092256	NC_021160.1	Ca_kabuli_chr01	8092256	AA	TT	1940131402
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SNP_P1_5012_8092291	NC_021160.1	Ca_kabuli_chr01	8092291	TT	GG	1940131404
SNP_P1_5013_8093791	NC_021160.1	Ca_kabuli_chr01	8093791	AA	GG	1940131405

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5016_8093932	NC_021160.1	Ca_kabuli_chr01	8093932	GG	CC	1940131407
SNP_P1_5017_8093934	NC_021160.1	Ca_kabuli_chr01	8093934	AA	TT	1940131408
SNP_P1_5018_8093943	NC_021160.1	Ca_kabuli_chr01	8093943	GG	TT	1940131409
SNP_P1_5019_8094064	NC_021160.1	Ca_kabuli_chr01	8094064	TT	CC	1940131410
SNP_P1_5020_8094267	NC_021160.1	Ca_kabuli_chr01	8094267	AA	GG	1940131411
SNP_P1_5021_8094400	NC_021160.1	Ca_kabuli_chr01	8094400	TT	CC	1940131412
SNP_P1_5022_8094439	NC_021160.1	Ca_kabuli_chr01	8094439	TT	CC	1940131413
SNP_P1_5023_8094461	NC_021160.1	Ca_kabuli_chr01	8094461	TT	CC	1940131414
SNP_P1_5024_8094489	NC_021160.1	Ca_kabuli_chr01	8094489	TT	CC	1940131415
SNP_P1_5025_8094837	NC_021160.1	Ca_kabuli_chr01	8094837	AA	GG	1940131416
SNP_P1_5026_8094893	NC_021160.1	Ca_kabuli_chr01	8094893	GG	AA	1940131417
SNP_P1_5027_8094903	NC_021160.1	Ca_kabuli_chr01	8094903	AA	GG	1940131418
SNP_P1_5028_8095230	NC_021160.1	Ca_kabuli_chr01	8095230	GG	AA	1940131419
SNP_P1_5029_8095501	NC_021160.1	Ca_kabuli_chr01	8095501	GG	CC	1940131420
SNP_P1_5031_8097256	NC_021160.1	Ca_kabuli_chr01	8097256	GG	AA	1940131421
SNP_P1_5032_8097281	NC_021160.1	Ca_kabuli_chr01	8097281	TT	CC	1940131422
SNP_P1_5033_8097434	NC_021160.1	Ca_kabuli_chr01	8097434	AA	GG	1940131423
SNP_P1_5034_8097466	NC_021160.1	Ca_kabuli_chr01	8097466	TT	CC	1940131424
SNP_P1_5035_8097525	NC_021160.1	Ca_kabuli_chr01	8097525	CC	TT	1940131425
SNP_P1_5036_8097545	NC_021160.1	Ca_kabuli_chr01	8097545	CC	AA	1940131426
SNP_P1_5038_8097630	NC_021160.1	Ca_kabuli_chr01	8097630	TT	CC	1940131427
SNP_P1_5039_8097739	NC_021160.1	Ca_kabuli_chr01	8097739	CC	TT	1940131428
SNP_P1_5040_8097979	NC_021160.1	Ca_kabuli_chr01	8097979	TT	AA	1940131429
SNP_P1_5041_8098025	NC_021160.1	Ca_kabuli_chr01	8098025	TT	CC	1940131430
SNP_P1_5042_8098031	NC_021160.1	Ca_kabuli_chr01	8098031	TT	AA	1940131431
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SNP_P1_5044_8101314	NC_021160.1	Ca_kabuli_chr01	8101314	AA	GG	1940131434
SNP_P1_5045_8101357	NC_021160.1	Ca_kabuli_chr01	8101357	GG	AA	1940131435
SNP_P1_5046_8101386	NC_021160.1	Ca_kabuli_chr01	8101386	GG	AA	1940131436
SNP_P1_5047_8101387	NC_021160.1	Ca_kabuli_chr01	8101387	AA	TT	1940131437
SNP_P1_5048_8101390	NC_021160.1	Ca_kabuli_chr01	8101390	CC	TT	1940131438
SNP_P1_5049_8101394	NC_021160.1	Ca_kabuli_chr01	8101394	GG	AA	1940131439
SNP_P1_5050_8101395	NC_021160.1	Ca_kabuli_chr01	8101395	GG	AA	1940131440
SNP_P1_5051_8102329	NC_021160.1	Ca_kabuli_chr01	8102329	CC	TT	1940131441
SNP_P1_5053_8102436	NC_021160.1	Ca_kabuli_chr01	8102436	AA	TT	1940131442
SNP_P1_5054_8102471	NC_021160.1	Ca_kabuli_chr01	8102471	CC	GG	1940131443
SNP_P1_5055_8102480	NC_021160.1	Ca_kabuli_chr01	8102480	AA	TT	1940131444
SNP_P1_5056_8102641	NC_021160.1	Ca_kabuli_chr01	8102641	TT	CC	1940131445
SNP_P1_5057_8102663	NC_021160.1	Ca_kabuli_chr01	8102663	CC	TT	1940131446
SNP_P1_5058_8102664	NC_021160.1	Ca_kabuli_chr01	8102664	GG	AA	1940131447
SNP_P1_5059_8103971	NC_021160.1	Ca_kabuli_chr01	8103971	GG	CC	1940131448

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5061_8105206	NC_021160.1	Ca_kabuli_chr01	8105206	CC	TT	1940131450
SNP_P1_5062_8105663	NC_021160.1	Ca_kabuli_chr01	8105663	CC	TT	1940131451
SNP_P1_5063_8105683	NC_021160.1	Ca_kabuli_chr01	8105683	AA	GG	1940131452
SNP_P1_5064_8105745	NC_021160.1	Ca_kabuli_chr01	8105745	TT	CC	1940131453
SNP_P1_5065_8105746	NC_021160.1	Ca_kabuli_chr01	8105746	TT	CC	1940131454
SNP_P1_5066_8105775	NC_021160.1	Ca_kabuli_chr01	8105775	AA	GG	1940131455
SNP_P1_5067_8106583	NC_021160.1	Ca_kabuli_chr01	8106583	TT	CC	1940131456
SNP_P1_5068_8106588	NC_021160.1	Ca_kabuli_chr01	8106588	TT	CC	1940131457
SNP_P1_5069_8106596	NC_021160.1	Ca_kabuli_chr01	8106596	TT	AA	1940131458
SNP_P1_5070_8106602	NC_021160.1	Ca_kabuli_chr01	8106602	CC	TT	1940131459
SNP_P1_5071_8106672	NC_021160.1	Ca_kabuli_chr01	8106672	AA	GG	1940131460
SNP_P1_5072_8106699	NC_021160.1	Ca_kabuli_chr01	8106699	GG	AA	1940131461
SNP_P1_5073_8106776	NC_021160.1	Ca_kabuli_chr01	8106776	CC	TT	1940131462
SNP_P1_5074_8106801	NC_021160.1	Ca_kabuli_chr01	8106801	TT	CC	1940131463
SNP_P1_5075_8106828	NC_021160.1	Ca_kabuli_chr01	8106828	AA	TT	1940131464
SNP_P1_5076_8106832	NC_021160.1	Ca_kabuli_chr01	8106832	TT	CC	1940131465
SNP_P1_5077_8106848	NC_021160.1	Ca_kabuli_chr01	8106848	AA	CC	1940131466
SNP_P1_5078_8106909	NC_021160.1	Ca_kabuli_chr01	8106909	TT	GG	1940131467
SNP_P1_5079_8106999	NC_021160.1	Ca_kabuli_chr01	8106999	CC	TT	1940131468
SNP_P1_5080_8107001	NC_021160.1	Ca_kabuli_chr01	8107001	AA	GG	1940131469
SNP_P1_5081_8107030	NC_021160.1	Ca_kabuli_chr01	8107030	TT	GG	1940131470
SNP_P1_5082_8107045	NC_021160.1	Ca_kabuli_chr01	8107045	CC	TT	1940131471
SNP_P1_5083_8108014	NC_021160.1	Ca_kabuli_chr01	8108014	CC	TT	1940131472
SNP_P1_5084_8111844	NC_021160.1	Ca_kabuli_chr01	8111844	AA	GG	1940131473
SNP_P1_5085_8111871	NC_021160.1	Ca_kabuli_chr01	8111871	GG	CC	1940131474
SNP_P1_5086_8111876	NC_021160.1	Ca_kabuli_chr01	8111876	CC	GG	1940131475
SNP_P1_5088_8114938	NC_021160.1	Ca_kabuli_chr01	8114938	TT	GG	1940131476
SNP_P1_5089_8114997	NC_021160.1	Ca_kabuli_chr01	8114997	TT	GG	1940131477
SNP_P1_5090_8115589	NC_021160.1	Ca_kabuli_chr01	8115589	GG	TT	1940131478
SNP_P1_5091_8115867	NC_021160.1	Ca_kabuli_chr01	8115867	TT	CC	1940131479
SNP_P1_5092_8115873	NC_021160.1	Ca_kabuli_chr01	8115873	GG	AA	1940131480
SNP_P1_5093_8116322	NC_021160.1	Ca_kabuli_chr01	8116322	CC	TT	1940131482
SNP_P1_5094_8116338	NC_021160.1	Ca_kabuli_chr01	8116338	AA	GG	1940131483
SNP_P1_5095_8116484	NC_021160.1	Ca_kabuli_chr01	8116484	CC	AA	1940131484
SNP_P1_5096_8116492	NC_021160.1	Ca_kabuli_chr01	8116492	AA	GG	1940131485
SNP_P1_5097_8116493	NC_021160.1	Ca_kabuli_chr01	8116493	GG	AA	1940131486
SNP_P1_5098_8116494	NC_021160.1	Ca_kabuli_chr01	8116494	GG	AA	1940131487
SNP_P1_5099_8116736	NC_021160.1	Ca_kabuli_chr01	8116736	GG	AA	1940131488
SNP_P1_5100_8116801	NC_021160.1	Ca_kabuli_chr01	8116801	AA	TT	1940131489
SNP_P1_5101_8116827	NC_021160.1	Ca_kabuli_chr01	8116827	AA	TT	1940131490
SNP_P1_5102_8116855	NC_021160.1	Ca_kabuli_chr01	8116855	TT	CC	1940131491

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5104_8117840	NC_021160.1	Ca_kabuli_chr01	8117840	GG	AA	1940131493
SNP_P1_5105_8117853	NC_021160.1	Ca_kabuli_chr01	8117853	AA	TT	1940131494
SNP_P1_5106_8117942	NC_021160.1	Ca_kabuli_chr01	8117942	TT	CC	1940131495
SNP_P1_5107_8117953	NC_021160.1	Ca_kabuli_chr01	8117953	GG	AA	1940131496
SNP_P1_5108_8117967	NC_021160.1	Ca_kabuli_chr01	8117967	AA	GG	1940131497
SNP_P1_5109_8118011	NC_021160.1	Ca_kabuli_chr01	8118011	TT	GG	1940131498
SNP_P1_5110_8118033	NC_021160.1	Ca_kabuli_chr01	8118033	GG	AA	1940131499
SNP_P1_5111_8118063	NC_021160.1	Ca_kabuli_chr01	8118063	GG	AA	1940131500
SNP_P1_5112_8118064	NC_021160.1	Ca_kabuli_chr01	8118064	GG	AA	1940131501
SNP_P1_5113_8118216	NC_021160.1	Ca_kabuli_chr01	8118216	AA	GG	1940131502
SNP_P1_5115_8119398	NC_021160.1	Ca_kabuli_chr01	8119398	CC	GG	1940131503
SNP_P1_5117_8119657	NC_021160.1	Ca_kabuli_chr01	8119657	TT	CC	1940131504
SNP_P1_5118_8123670	NC_021160.1	Ca_kabuli_chr01	8123670	TT	AA	1940131505
SNP_P1_5119_8123767	NC_021160.1	Ca_kabuli_chr01	8123767	GG	AA	1940131506
SNP_P1_5120_8124043	NC_021160.1	Ca_kabuli_chr01	8124043	AA	GG	1940131507
SNP_P1_5122_8124221	NC_021160.1	Ca_kabuli_chr01	8124221	GG	TT	1940131508
SNP_P1_5123_8124222	NC_021160.1	Ca_kabuli_chr01	8124222	TT	CC	1940131509
SNP_P1_5124_8124667	NC_021160.1	Ca_kabuli_chr01	8124667	TT	CC	1940131510
SNP_P1_5125_8124679	NC_021160.1	Ca_kabuli_chr01	8124679	GG	AA	1940131511
SNP_P1_5126_8124713	NC_021160.1	Ca_kabuli_chr01	8124713	AA	GG	1940131512
SNP_P1_5128_8124869	NC_021160.1	Ca_kabuli_chr01	8124869	TT	AA	1940131513
SNP_P1_5129_8125696	NC_021160.1	Ca_kabuli_chr01	8125696	CC	TT	1940131514
SNP_P1_5130_8125726	NC_021160.1	Ca_kabuli_chr01	8125726	CC	TT	1940131515
SNP_P1_5132_8125968	NC_021160.1	Ca_kabuli_chr01	8125968	TT	CC	1940131516
SNP_P1_5133_8125972	NC_021160.1	Ca_kabuli_chr01	8125972	GG	AA	1940131517
SNP_P1_5134_8126014	NC_021160.1	Ca_kabuli_chr01	8126014	CC	TT	1940131518
SNP_P1_5135_8126017	NC_021160.1	Ca_kabuli_chr01	8126017	CC	TT	1940131519
SNP_P1_5136_8126025	NC_021160.1	Ca_kabuli_chr01	8126025	AA	GG	1940131520
SNP_P1_5137_8126030	NC_021160.1	Ca_kabuli_chr01	8126030	GG	AA	1940131521
SNP_P1_5138_8126031	NC_021160.1	Ca_kabuli_chr01	8126031	AA	GG	1940131522
SNP_P1_5139_8127004	NC_021160.1	Ca_kabuli_chr01	8127004	AA	TT	1940131523
SNP_P1_5141_8127802	NC_021160.1	Ca_kabuli_chr01	8127802	CC	AA	1940131524
SNP_P1_5142_8127925	NC_021160.1	Ca_kabuli_chr01	8127925	AA	GG	1940131525
SNP_P1_5143_8127949	NC_021160.1	Ca_kabuli_chr01	8127949	AA	GG	1940131526
SNP_P1_5144_8127954	NC_021160.1	Ca_kabuli_chr01	8127954	TT	CC	1940131527
SNP_P1_5145_8127970	NC_021160.1	Ca_kabuli_chr01	8127970	AA	TT	1940131528
SNP_P1_5146_8127987	NC_021160.1	Ca_kabuli_chr01	8127987	CC	TT	1940131529
SNP_P1_5147_8128000	NC_021160.1	Ca_kabuli_chr01	8128000	CC	TT	1940131531
SNP_P1_5148_8128003	NC_021160.1	Ca_kabuli_chr01	8128003	GG	CC	1940131532
SNP_P1_5149_8128861	NC_021160.1	Ca_kabuli_chr01	8128861	GG	TT	1940131533
SNP_P1_5150_8128878	NC_021160.1	Ca_kabuli_chr01	8128878	CC	AA	1940131534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5152_8128923	NC_021160.1	Ca_kabuli_chr01	8128923	TT	CC	1940131536
SNP_P1_5153_8129199	NC_021160.1	Ca_kabuli_chr01	8129199	AA	TT	1940131537
SNP_P1_5154_8129262	NC_021160.1	Ca_kabuli_chr01	8129262	TT	GG	1940131538
SNP_P1_5155_8129313	NC_021160.1	Ca_kabuli_chr01	8129313	CC	TT	1940131539
SNP_P1_5156_8129446	NC_021160.1	Ca_kabuli_chr01	8129446	TT	AA	1940131540
SNP_P1_5157_8129513	NC_021160.1	Ca_kabuli_chr01	8129513	CC	AA	1940131541
SNP_P1_5158_8129689	NC_021160.1	Ca_kabuli_chr01	8129689	AA	TT	1940131542
SNP_P1_5159_8129737	NC_021160.1	Ca_kabuli_chr01	8129737	GG	TT	1940131543
SNP_P1_5160_8130119	NC_021160.1	Ca_kabuli_chr01	8130119	AA	TT	1940131544
SNP_P1_5161_8130166	NC_021160.1	Ca_kabuli_chr01	8130166	CC	TT	1940131545
SNP_P1_5162_8130179	NC_021160.1	Ca_kabuli_chr01	8130179	CC	AA	1940131546
SNP_P1_5165_8130459	NC_021160.1	Ca_kabuli_chr01	8130459	AA	GG	1940131547
SNP_P1_5166_8130462	NC_021160.1	Ca_kabuli_chr01	8130462	CC	TT	1940131548
SNP_P1_5167_8130473	NC_021160.1	Ca_kabuli_chr01	8130473	TT	CC	1940131549
SNP_P1_5168_8131225	NC_021160.1	Ca_kabuli_chr01	8131225	CC	TT	1940131550
SNP_P1_5169_8131270	NC_021160.1	Ca_kabuli_chr01	8131270	AA	CC	1940131551
SNP_P1_5170_8131835	NC_021160.1	Ca_kabuli_chr01	8131835	AA	GG	1940131552
SNP_P1_5171_8131865	NC_021160.1	Ca_kabuli_chr01	8131865	CC	TT	1940131553
SNP_P1_5172_8131999	NC_021160.1	Ca_kabuli_chr01	8131999	GG	TT	1940131554
SNP_P1_5173_8132013	NC_021160.1	Ca_kabuli_chr01	8132013	CC	TT	1940131555
SNP_P1_5175_8132062	NC_021160.1	Ca_kabuli_chr01	8132062	TT	AA	1940131556
SNP_P1_5176_8132251	NC_021160.1	Ca_kabuli_chr01	8132251	GG	CC	1940131557
SNP_P1_5177_8132277	NC_021160.1	Ca_kabuli_chr01	8132277	AA	TT	1940131558
SNP_P1_5179_8132346	NC_021160.1	Ca_kabuli_chr01	8132346	GG	AA	1940131559
SNP_P1_5180_8132824	NC_021160.1	Ca_kabuli_chr01	8132824	TT	CC	1940131560
SNP_P1_5181_8133019	NC_021160.1	Ca_kabuli_chr01	8133019	CC	AA	1940131561
SNP_P1_5182_8133050	NC_021160.1	Ca_kabuli_chr01	8133050	CC	TT	1940131562
SNP_P1_5183_8133060	NC_021160.1	Ca_kabuli_chr01	8133060	AA	CC	1940131563
SNP_P1_5184_8133066	NC_021160.1	Ca_kabuli_chr01	8133066	TT	CC	1940131564
SNP_P1_5185_8133163	NC_021160.1	Ca_kabuli_chr01	8133163	CC	TT	1940131565
SNP_P1_5186_8133316	NC_021160.1	Ca_kabuli_chr01	8133316	GG	AA	1940131566
SNP_P1_5187_8133609	NC_021160.1	Ca_kabuli_chr01	8133609	AA	GG	1940131567
SNP_P1_5188_8134368	NC_021160.1	Ca_kabuli_chr01	8134368	TT	CC	1940131568
SNP_P1_5189_8136277	NC_021160.1	Ca_kabuli_chr01	8136277	TT	CC	1940131569
SNP_P1_5190_8136598	NC_021160.1	Ca_kabuli_chr01	8136598	GG	AA	1940131570
SNP_P1_5191_8136603	NC_021160.1	Ca_kabuli_chr01	8136603	GG	AA	1940131571
SNP_P1_5192_8136605	NC_021160.1	Ca_kabuli_chr01	8136605	TT	CC	1940131572
SNP_P1_5193_8136614	NC_021160.1	Ca_kabuli_chr01	8136614	TT	CC	1940131573
SNP_P1_5194_8136615	NC_021160.1	Ca_kabuli_chr01	8136615	CC	TT	1940131574
SNP_P1_5195_8136903	NC_021160.1	Ca_kabuli_chr01	8136903	TT	AA	1940131575
SNP_P1_5196_8136977	NC_021160.1	Ca_kabuli_chr01	8136977	CC	TT	1940131576

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5198_8137508	NC_021160.1	Ca_kabuli_chr01	8137508	CC	TT	1940131579
SNP_P1_5199_8137532	NC_021160.1	Ca_kabuli_chr01	8137532	AA	GG	1940131580
SNP_P1_5200_8137816	NC_021160.1	Ca_kabuli_chr01	8137816	GG	AA	1940131581
SNP_P1_5201_8139653	NC_021160.1	Ca_kabuli_chr01	8139653	AA	GG	1940131582
SNP_P1_5202_8139697	NC_021160.1	Ca_kabuli_chr01	8139697	AA	TT	1940131583
SNP_P1_5203_8142564	NC_021160.1	Ca_kabuli_chr01	8142564	TT	AA	1940131584
SNP_P1_5204_8142617	NC_021160.1	Ca_kabuli_chr01	8142617	GG	TT	1940131585
SNP_P1_5205_8142915	NC_021160.1	Ca_kabuli_chr01	8142915	AA	TT	1940131586
SNP_P1_5206_8143673	NC_021160.1	Ca_kabuli_chr01	8143673	TT	GG	1940131587
SNP_P1_5207_8143678	NC_021160.1	Ca_kabuli_chr01	8143678	TT	CC	1940131588
SNP_P1_5208_8143703	NC_021160.1	Ca_kabuli_chr01	8143703	AA	GG	1940131589
SNP_P1_5209_8143731	NC_021160.1	Ca_kabuli_chr01	8143731	GG	AA	1940131590
SNP_P1_5210_8149712	NC_021160.1	Ca_kabuli_chr01	8149712	CC	GG	1940131591
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SNP_P1_5212_8159777	NC_021160.1	Ca_kabuli_chr01	8159777	AA	GG	1940131593
SNP_P1_5213_8159812	NC_021160.1	Ca_kabuli_chr01	8159812	AA	CC	1940131594
SNP_P1_5214_8170936	NC_021160.1	Ca_kabuli_chr01	8170936	TT	CC	1940131595
SNP_P1_5216_8186042	NC_021160.1	Ca_kabuli_chr01	8186042	CC	TT	1940131596
SNP_P1_5217_8193461	NC_021160.1	Ca_kabuli_chr01	8193461	CC	AA	1940131597
SNP_P1_5218_8255727	NC_021160.1	Ca_kabuli_chr01	8255727	TT	CC	1940131598
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SNP_P1_5220_8297776	NC_021160.1	Ca_kabuli_chr01	8297776	GG	AA	1940131600
SNP_P1_5222_8303713	NC_021160.1	Ca_kabuli_chr01	8303713	AA	GG	1940131601
SNP_P1_5224_8309120	NC_021160.1	Ca_kabuli_chr01	8309120	AA	CC	1940131602
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SNP_P1_5228_8319459	NC_021160.1	Ca_kabuli_chr01	8319459	AA	GG	1940131605
SNP_P1_5229_8321300	NC_021160.1	Ca_kabuli_chr01	8321300	TT	CC	1940131606
SNP_P1_5230_8321328	NC_021160.1	Ca_kabuli_chr01	8321328	GG	TT	1940131607
SNP_P1_5231_8321369	NC_021160.1	Ca_kabuli_chr01	8321369	AA	GG	1940131608
SNP_P1_5232_8321444	NC_021160.1	Ca_kabuli_chr01	8321444	AA	GG	1940131609
SNP_P1_5234_8334967	NC_021160.1	Ca_kabuli_chr01	8334967	TT	AA	1940131610
SNP_P1_5235_8334996	NC_021160.1	Ca_kabuli_chr01	8334996	AA	GG	1940131611
SNP_P1_5237_8355267	NC_021160.1	Ca_kabuli_chr01	8355267	TT	CC	1940131612
SNP_P1_5240_8415316	NC_021160.1	Ca_kabuli_chr01	8415316	CC	GG	1940131613
SNP_P1_5241_8415326	NC_021160.1	Ca_kabuli_chr01	8415326	GG	TT	1940131614
SNP_P1_5242_8415385	NC_021160.1	Ca_kabuli_chr01	8415385	AA	GG	1940131615
SNP_P1_5243_8415394	NC_021160.1	Ca_kabuli_chr01	8415394	CC	TT	1940131616
SNP_P1_5245_8420581	NC_021160.1	Ca_kabuli_chr01	8420581	TT	GG	1940131617
SNP_P1_5246_8426430	NC_021160.1	Ca_kabuli_chr01	8426430	CC	AA	1940131618
SNP_P1_5247_8427967	NC_021160.1	Ca_kabuli_chr01	8427967	TT	CC	1940131619

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5250_8428141	NC_021160.1	Ca_kabuli_chr01	8428141	TT	CC	1940131622
SNP_P1_5251_8428211	NC_021160.1	Ca_kabuli_chr01	8428211	CC	TT	1940131623
SNP_P1_5252_8428237	NC_021160.1	Ca_kabuli_chr01	8428237	TT	CC	1940131624
SNP_P1_5253_8428256	NC_021160.1	Ca_kabuli_chr01	8428256	TT	CC	1940131625
SNP_P1_5254_8428322	NC_021160.1	Ca_kabuli_chr01	8428322	GG	AA	1940131626
SNP_P1_5255_8428327	NC_021160.1	Ca_kabuli_chr01	8428327	AA	TT	1940131627
SNP_P1_5256_8428373	NC_021160.1	Ca_kabuli_chr01	8428373	TT	AA	1940131628
SNP_P1_5257_8428377	NC_021160.1	Ca_kabuli_chr01	8428377	GG	AA	1940131629
SNP_P1_5259_8428467	NC_021160.1	Ca_kabuli_chr01	8428467	AA	CC	1940131630
SNP_P1_5260_8428468	NC_021160.1	Ca_kabuli_chr01	8428468	TT	AA	1940131631
SNP_P1_5262_8430606	NC_021160.1	Ca_kabuli_chr01	8430606	AA	GG	1940131632
SNP_P1_5265_8434678	NC_021160.1	Ca_kabuli_chr01	8434678	CC	TT	1940131634
SNP_P1_5266_8434679	NC_021160.1	Ca_kabuli_chr01	8434679	TT	CC	1940131635
SNP_P1_5267_8434686	NC_021160.1	Ca_kabuli_chr01	8434686	GG	AA	1940131636
SNP_P1_5268_8434819	NC_021160.1	Ca_kabuli_chr01	8434819	CC	TT	1940131637
SNP_P1_5269_8434873	NC_021160.1	Ca_kabuli_chr01	8434873	CC	TT	1940131638
SNP_P1_5270_8434909	NC_021160.1	Ca_kabuli_chr01	8434909	GG	TT	1940131639
SNP_P1_5271_8434995	NC_021160.1	Ca_kabuli_chr01	8434995	AA	GG	1940131640
SNP_P1_5272_8435015	NC_021160.1	Ca_kabuli_chr01	8435015	GG	AA	1940131641
SNP_P1_5273_8435018	NC_021160.1	Ca_kabuli_chr01	8435018	AA	GG	1940131642
SNP_P1_5274_8435028	NC_021160.1	Ca_kabuli_chr01	8435028	TT	AA	1940131643
SNP_P1_5275_8435109	NC_021160.1	Ca_kabuli_chr01	8435109	TT	CC	1940131644
SNP_P1_5276_8435167	NC_021160.1	Ca_kabuli_chr01	8435167	GG	AA	1940131645
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SNP_P1_5279_8445216	NC_021160.1	Ca_kabuli_chr01	8445216	GG	AA	1940131648
SNP_P1_5280_8470859	NC_021160.1	Ca_kabuli_chr01	8470859	CC	AA	1940131649
SNP_P1_5281_8472739	NC_021160.1	Ca_kabuli_chr01	8472739	AA	TT	1940131650
SNP_P1_5282_8544003	NC_021160.1	Ca_kabuli_chr01	8544003	TT	AA	1940131651
SNP_P1_5284_8558520	NC_021160.1	Ca_kabuli_chr01	8558520	TT	CC	1940131652
SNP_P1_5285_8558584	NC_021160.1	Ca_kabuli_chr01	8558584	TT	AA	1940131653
SNP_P1_5286_8558600	NC_021160.1	Ca_kabuli_chr01	8558600	CC	GG	1940131654
SNP_P1_5287_8577594	NC_021160.1	Ca_kabuli_chr01	8577594	AA	GG	1940131655
SNP_P1_5288_8593314	NC_021160.1	Ca_kabuli_chr01	8593314	AA	GG	1940131656
SNP_P1_5289_8594261	NC_021160.1	Ca_kabuli_chr01	8594261	GG	AA	1940131657
SNP_P1_5290_8611489	NC_021160.1	Ca_kabuli_chr01	8611489	CC	AA	1940131658
SNP_P1_5291_8621200	NC_021160.1	Ca_kabuli_chr01	8621200	CC	TT	1940131659
SNP_P1_5292_8628950	NC_021160.1	Ca_kabuli_chr01	8628950	CC	TT	1940131660
SNP_P1_5293_8636765	NC_021160.1	Ca_kabuli_chr01	8636765	TT	CC	1940131661
SNP_P1_5294_8637007	NC_021160.1	Ca_kabuli_chr01	8637007	AA	GG	1940131662

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5297_8659176	NC_021160.1	Ca_kabuli_chr01	8659176	TT	CC	1940131665
SNP_P1_5298_8659427	NC_021160.1	Ca_kabuli_chr01	8659427	TT	CC	1940131666
SNP_P1_5299_8659443	NC_021160.1	Ca_kabuli_chr01	8659443	GG	TT	1940131667
SNP_P1_5300_8659875	NC_021160.1	Ca_kabuli_chr01	8659875	GG	AA	1940131668
SNP_P1_5301_8660773	NC_021160.1	Ca_kabuli_chr01	8660773	CC	TT	1940131669
SNP_P1_5302_8661179	NC_021160.1	Ca_kabuli_chr01	8661179	AA	GG	1940131670
SNP_P1_5303_8661415	NC_021160.1	Ca_kabuli_chr01	8661415	CC	TT	1940131671
SNP_P1_5305_8661470	NC_021160.1	Ca_kabuli_chr01	8661470	GG	TT	1940131672
SNP_P1_5306_8661667	NC_021160.1	Ca_kabuli_chr01	8661667	AA	GG	1940131673
SNP_P1_5307_8661670	NC_021160.1	Ca_kabuli_chr01	8661670	AA	GG	1940131674
SNP_P1_5308_8667288	NC_021160.1	Ca_kabuli_chr01	8667288	CC	TT	1940131675
SNP_P1_5310_8685734	NC_021160.1	Ca_kabuli_chr01	8685734	CC	TT	1940131676
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SNP_P1_5312_8714406	NC_021160.1	Ca_kabuli_chr01	8714406	TT	AA	1940131678
SNP_P1_5313_8756934	NC_021160.1	Ca_kabuli_chr01	8756934	CC	TT	1940131679
SNP_P1_5314_8797851	NC_021160.1	Ca_kabuli_chr01	8797851	CC	TT	1940131680
SNP_P1_5315_8797893	NC_021160.1	Ca_kabuli_chr01	8797893	TT	AA	1940131681
SNP_P1_5316_8797898	NC_021160.1	Ca_kabuli_chr01	8797898	CC	TT	1940131682
SNP_P1_5318_8833526	NC_021160.1	Ca_kabuli_chr01	8833526	AA	CC	1940131683
SNP_P1_5319_8833848	NC_021160.1	Ca_kabuli_chr01	8833848	TT	AA	1940131684
SNP_P1_5321_8863822	NC_021160.1	Ca_kabuli_chr01	8863822	TT	AA	1940131685
SNP_P1_5322_8878277	NC_021160.1	Ca_kabuli_chr01	8878277	TT	CC	1940131686
SNP_P1_5323_8878281	NC_021160.1	Ca_kabuli_chr01	8878281	TT	GG	1940131687
SNP_P1_5325_8909430	NC_021160.1	Ca_kabuli_chr01	8909430	AA	CC	1940131689
SNP_P1_5326_8909441	NC_021160.1	Ca_kabuli_chr01	8909441	AA	CC	1940131690
SNP_P1_5328_8962787	NC_021160.1	Ca_kabuli_chr01	8962787	TT	AA	1940131691
SNP_P1_5329_8984325	NC_021160.1	Ca_kabuli_chr01	8984325	TT	CC	1940131692
SNP_P1_5330_9006666	NC_021160.1	Ca_kabuli_chr01	9006666	AA	GG	1940131693
SNP_P1_5331_9010364	NC_021160.1	Ca_kabuli_chr01	9010364	GG	AA	1940131694
SNP_P1_5332_9010589	NC_021160.1	Ca_kabuli_chr01	9010589	CC	TT	1940131695
SNP_P1_5333_9013283	NC_021160.1	Ca_kabuli_chr01	9013283	AA	GG	1940131696
SNP_P1_5334_9035674	NC_021160.1	Ca_kabuli_chr01	9035674	CC	GG	1940131697
SNP_P1_5335_9055723	NC_021160.1	Ca_kabuli_chr01	9055723	TT	CC	1940131698
SNP_P1_5336_9082410	NC_021160.1	Ca_kabuli_chr01	9082410	GG	AA	1940131699
SNP_P1_5337_9110454	NC_021160.1	Ca_kabuli_chr01	9110454	GG	AA	1940131700
SNP_P1_5338_9122965	NC_021160.1	Ca_kabuli_chr01	9122965	AA	GG	1940131701
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SNP_P1_5341_9166643	NC_021160.1	Ca_kabuli_chr01	9166643	AA	TT	1940131703
SNP_P1_5342_9177673	NC_021160.1	Ca_kabuli_chr01	9177673	TT	CC	1940131704
SNP_P1_5343_9183850	NC_021160.1	Ca_kabuli_chr01	9183850	AA	GG	1940131705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5346_9188607	NC_021160.1	Ca_kabuli_chr01	9188607	AA	GG	1940131708
SNP_P1_5347_9188608	NC_021160.1	Ca_kabuli_chr01	9188608	AA	GG	1940131709
SNP_P1_5349_9223619	NC_021160.1	Ca_kabuli_chr01	9223619	CC	TT	1940131710
SNP_P1_5351_9232513	NC_021160.1	Ca_kabuli_chr01	9232513	CC	TT	1940131711
SNP_P1_5352_9232540	NC_021160.1	Ca_kabuli_chr01	9232540	CC	TT	1940131712
SNP_P1_5353_9232541	NC_021160.1	Ca_kabuli_chr01	9232541	TT	GG	1940131713
SNP_P1_5354_9232817	NC_021160.1	Ca_kabuli_chr01	9232817	CC	TT	1940131714
SNP_P1_5355_9232818	NC_021160.1	Ca_kabuli_chr01	9232818	TT	GG	1940131715
SNP_P1_5356_9232975	NC_021160.1	Ca_kabuli_chr01	9232975	TT	CC	1940131716
SNP_P1_5357_9232992	NC_021160.1	Ca_kabuli_chr01	9232992	GG	AA	1940131717
SNP_P1_5358_9232994	NC_021160.1	Ca_kabuli_chr01	9232994	CC	TT	1940131718
SNP_P1_5359_9233030	NC_021160.1	Ca_kabuli_chr01	9233030	AA	CC	1940131719
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SNP_P1_5361_9233058	NC_021160.1	Ca_kabuli_chr01	9233058	TT	CC	1940131721
SNP_P1_5362_9233093	NC_021160.1	Ca_kabuli_chr01	9233093	CC	TT	1940131722
SNP_P1_5363_9233104	NC_021160.1	Ca_kabuli_chr01	9233104	CC	TT	1940131723
SNP_P1_5364_9233112	NC_021160.1	Ca_kabuli_chr01	9233112	TT	CC	1940131724
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SNP_P1_5366_9233133	NC_021160.1	Ca_kabuli_chr01	9233133	GG	AA	1940131726
SNP_P1_5367_9233251	NC_021160.1	Ca_kabuli_chr01	9233251	TT	AA	1940131727
SNP_P1_5368_9233261	NC_021160.1	Ca_kabuli_chr01	9233261	CC	TT	1940131728
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SNP_P1_5370_9233284	NC_021160.1	Ca_kabuli_chr01	9233284	CC	TT	1940131730
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SNP_P1_5372_9233305	NC_021160.1	Ca_kabuli_chr01	9233305	CC	TT	1940131732
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SNP_P1_5375_9233445	NC_021160.1	Ca_kabuli_chr01	9233445	AA	TT	1940131735
SNP_P1_5376_9233489	NC_021160.1	Ca_kabuli_chr01	9233489	GG	AA	1940131736
SNP_P1_5377_9233679	NC_021160.1	Ca_kabuli_chr01	9233679	GG	AA	1940131737
SNP_P1_5378_9233682	NC_021160.1	Ca_kabuli_chr01	9233682	GG	TT	1940131738
SNP_P1_5379_9233773	NC_021160.1	Ca_kabuli_chr01	9233773	GG	AA	1940131739
SNP_P1_5381_9233913	NC_021160.1	Ca_kabuli_chr01	9233913	TT	AA	1940131740
SNP_P1_5382_9233918	NC_021160.1	Ca_kabuli_chr01	9233918	TT	AA	1940131741
SNP_P1_5383_9233982	NC_021160.1	Ca_kabuli_chr01	9233982	CC	TT	1940131742
SNP_P1_5384_9233989	NC_021160.1	Ca_kabuli_chr01	9233989	TT	GG	1940131743
SNP_P1_5385_9244042	NC_021160.1	Ca_kabuli_chr01	9244042	GG	AA	1940131745
SNP_P1_5386_9322030	NC_021160.1	Ca_kabuli_chr01	9322030	AA	GG	1940131746
SNP_P1_5387_9322043	NC_021160.1	Ca_kabuli_chr01	9322043	AA	GG	1940131747
SNP_P1_5388_9322082	NC_021160.1	Ca_kabuli_chr01	9322082	TT	AA	1940131748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5391_9347429	NC_021160.1	Ca_kabuli_chr01	9347429	AA	TT	1940131751
SNP_P1_5392_9359258	NC_021160.1	Ca_kabuli_chr01	9359258	GG	AA	1940131752
SNP_P1_5395_9404407	NC_021160.1	Ca_kabuli_chr01	9404407	AA	GG	1940131753
SNP_P1_5396_9436861	NC_021160.1	Ca_kabuli_chr01	9436861	AA	CC	1940131754
SNP_P1_5397_9456458	NC_021160.1	Ca_kabuli_chr01	9456458	GG	AA	1940131755
SNP_P1_5398_9489835	NC_021160.1	Ca_kabuli_chr01	9489835	GG	AA	1940131756
SNP_P1_5399_9489836	NC_021160.1	Ca_kabuli_chr01	9489836	CC	AA	1940131757
SNP_P1_5400_9510869	NC_021160.1	Ca_kabuli_chr01	9510869	CC	TT	1940131758
SNP_P1_5401_9526471	NC_021160.1	Ca_kabuli_chr01	9526471	TT	AA	1940131759
SNP_P1_5402_9526474	NC_021160.1	Ca_kabuli_chr01	9526474	TT	GG	1940131760
SNP_P1_5403_9541936	NC_021160.1	Ca_kabuli_chr01	9541936	CC	TT	1940131761
SNP_P1_5404_9562882	NC_021160.1	Ca_kabuli_chr01	9562882	CC	AA	1940131762
SNP_P1_5405_9582444	NC_021160.1	Ca_kabuli_chr01	9582444	GG	AA	1940131763
SNP_P1_5406_9586285	NC_021160.1	Ca_kabuli_chr01	9586285	CC	TT	1940131764
SNP_P1_5407_9601892	NC_021160.1	Ca_kabuli_chr01	9601892	GG	AA	1940131765
SNP_P1_5408_9639842	NC_021160.1	Ca_kabuli_chr01	9639842	AA	CC	1940131766
SNP_P1_5409_9639843	NC_021160.1	Ca_kabuli_chr01	9639843	TT	AA	1940131767
SNP_P1_5410_9641500	NC_021160.1	Ca_kabuli_chr01	9641500	CC	TT	1940131768
SNP_P1_5411_9643590	NC_021160.1	Ca_kabuli_chr01	9643590	GG	AA	1940131769
SNP_P1_5412_9665632	NC_021160.1	Ca_kabuli_chr01	9665632	GG	AA	1940131770
SNP_P1_5413_9672192	NC_021160.1	Ca_kabuli_chr01	9672192	GG	AA	1940131771
SNP_P1_5414_9677467	NC_021160.1	Ca_kabuli_chr01	9677467	TT	AA	1940131772
SNP_P1_5415_9687150	NC_021160.1	Ca_kabuli_chr01	9687150	AA	GG	1940131773
SNP_P1_5417_9762830	NC_021160.1	Ca_kabuli_chr01	9762830	AA	GG	1940131774
SNP_P1_5418_9774720	NC_021160.1	Ca_kabuli_chr01	9774720	AA	GG	1940131775
SNP_P1_5419_9776580	NC_021160.1	Ca_kabuli_chr01	9776580	CC	TT	1940131776
SNP_P1_5420_9802876	NC_021160.1	Ca_kabuli_chr01	9802876	GG	AA	1940131777
SNP_P1_5421_9807459	NC_021160.1	Ca_kabuli_chr01	9807459	AA	TT	1940131778
SNP_P1_5422_9807461	NC_021160.1	Ca_kabuli_chr01	9807461	AA	TT	1940131779
SNP_P1_5423_9809415	NC_021160.1	Ca_kabuli_chr01	9809415	TT	CC	1940131780
SNP_P1_5424_9837245	NC_021160.1	Ca_kabuli_chr01	9837245	CC	TT	1940131781
SNP_P1_5425_9841259	NC_021160.1	Ca_kabuli_chr01	9841259	CC	TT	1940131782
SNP_P1_5426_9845310	NC_021160.1	Ca_kabuli_chr01	9845310	CC	TT	1940131783
SNP_P1_5427_9846479	NC_021160.1	Ca_kabuli_chr01	9846479	AA	GG	1940131784
SNP_P1_5429_9871699	NC_021160.1	Ca_kabuli_chr01	9871699	CC	TT	1940131785
SNP_P1_5430_9871706	NC_021160.1	Ca_kabuli_chr01	9871706	TT	CC	1940131786
SNP_P1_5431_9872004	NC_021160.1	Ca_kabuli_chr01	9872004	GG	TT	1940131787
SNP_P1_5432_9872050	NC_021160.1	Ca_kabuli_chr01	9872050	CC	AA	1940131788
SNP_P1_5433_9872258	NC_021160.1	Ca_kabuli_chr01	9872258	CC	TT	1940131789
SNP_P1_5434_9873654	NC_021160.1	Ca_kabuli_chr01	9873654	AA	TT	1940131790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5437_9906333	NC_021160.1	Ca_kabuli_chr01	9906333	GG	AA	1940131794
SNP_P1_5439_9947980	NC_021160.1	Ca_kabuli_chr01	9947980	CC	TT	1940131795
SNP_P1_5440_9967265	NC_021160.1	Ca_kabuli_chr01	9967265	GG	AA	1940131796
SNP_P1_5442_9980556	NC_021160.1	Ca_kabuli_chr01	9980556	AA	GG	1940131797
SNP_P1_5443_9983903	NC_021160.1	Ca_kabuli_chr01	9983903	GG	AA	1940131798
SNP_P1_5444_10002988	NC_021160.1	Ca_kabuli_chr01	10002988	TT	CC	1940131799
SNP_P1_5445_10014996	NC_021160.1	Ca_kabuli_chr01	10014996	AA	GG	1940131800
SNP_P1_5446_10014999	NC_021160.1	Ca_kabuli_chr01	10014999	TT	CC	1940131801
SNP_P1_5447_10019900	NC_021160.1	Ca_kabuli_chr01	10019900	AA	GG	1940131802
SNP_P1_5448_10027751	NC_021160.1	Ca_kabuli_chr01	10027751	GG	AA	1940131803
SNP_P1_5450_10044738	NC_021160.1	Ca_kabuli_chr01	10044738	TT	GG	1940131804
SNP_P1_5451_10050393	NC_021160.1	Ca_kabuli_chr01	10050393	CC	AA	1940131805
SNP_P1_5456_10072267	NC_021160.1	Ca_kabuli_chr01	10072267	GG	AA	1940131806
SNP_P1_5457_10085809	NC_021160.1	Ca_kabuli_chr01	10085809	CC	GG	1940131807
SNP_P1_5458_10085810	NC_021160.1	Ca_kabuli_chr01	10085810	CC	TT	1940131808
SNP_P1_5459_10086414	NC_021160.1	Ca_kabuli_chr01	10086414	TT	CC	1940131809
SNP_P1_5460_10099221	NC_021160.1	Ca_kabuli_chr01	10099221	TT	GG	1940131810
SNP_P1_5461_10099223	NC_021160.1	Ca_kabuli_chr01	10099223	TT	GG	1940131811
SNP_P1_5462_10101713	NC_021160.1	Ca_kabuli_chr01	10101713	TT	AA	1940131812
SNP_P1_5463_10102140	NC_021160.1	Ca_kabuli_chr01	10102140	AA	GG	1940131813
SNP_P1_5465_10116310	NC_021160.1	Ca_kabuli_chr01	10116310	AA	GG	1940131814
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SNP_P1_5467_10116353	NC_021160.1	Ca_kabuli_chr01	10116353	AA	GG	1940131816
SNP_P1_5468_10118566	NC_021160.1	Ca_kabuli_chr01	10118566	AA	GG	1940131817
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SNP_P1_5470_10121158	NC_021160.1	Ca_kabuli_chr01	10121158	TT	CC	1940131819
SNP_P1_5471_10147461	NC_021160.1	Ca_kabuli_chr01	10147461	GG	AA	1940131820
SNP_P1_5472_10147488	NC_021160.1	Ca_kabuli_chr01	10147488	CC	TT	1940131821
SNP_P1_5473_10160428	NC_021160.1	Ca_kabuli_chr01	10160428	TT	CC	1940131822
SNP_P1_5474_10166727	NC_021160.1	Ca_kabuli_chr01	10166727	TT	CC	1940131823
SNP_P1_5476_10170390	NC_021160.1	Ca_kabuli_chr01	10170390	AA	GG	1940131825
SNP_P1_5477_10203903	NC_021160.1	Ca_kabuli_chr01	10203903	CC	TT	1940131826
SNP_P1_5478_10231784	NC_021160.1	Ca_kabuli_chr01	10231784	CC	TT	1940131827
SNP_P1_5479_10232106	NC_021160.1	Ca_kabuli_chr01	10232106	AA	GG	1940131828
SNP_P1_5480_10236797	NC_021160.1	Ca_kabuli_chr01	10236797	TT	CC	1940131829
SNP_P1_5481_10236814	NC_021160.1	Ca_kabuli_chr01	10236814	AA	CC	1940131830
SNP_P1_5482_10236815	NC_021160.1	Ca_kabuli_chr01	10236815	AA	GG	1940131831
SNP_P1_5483_10239023	NC_021160.1	Ca_kabuli_chr01	10239023	GG	AA	1940131832
SNP_P1_5484_10262340	NC_021160.1	Ca_kabuli_chr01	10262340	TT	CC	1940131833
SNP_P1_5485_10285446	NC_021160.1	Ca_kabuli_chr01	10285446	CC	TT	1940131834

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5489_10386581	NC_021160.1	Ca_kabuli_chr01	10386581	TT	CC	1940131836
SNP_P1_5490_10386584	NC_021160.1	Ca_kabuli_chr01	10386584	TT	CC	1940131837
SNP_P1_5492_10400343	NC_021160.1	Ca_kabuli_chr01	10400343	GG	AA	1940131838
SNP_P1_5494_10441877	NC_021160.1	Ca_kabuli_chr01	10441877	TT	GG	1940131839
SNP_P1_5497_10497189	NC_021160.1	Ca_kabuli_chr01	10497189	GG	AA	1940131840
SNP_P1_5498_10497576	NC_021160.1	Ca_kabuli_chr01	10497576	GG	AA	1940131841
SNP_P1_5499_10502225	NC_021160.1	Ca_kabuli_chr01	10502225	CC	TT	1940131842
SNP_P1_5500_10510502	NC_021160.1	Ca_kabuli_chr01	10510502	CC	TT	1940131843
SNP_P1_5502_10572591	NC_021160.1	Ca_kabuli_chr01	10572591	GG	AA	1940131845
SNP_P1_5503_10577389	NC_021160.1	Ca_kabuli_chr01	10577389	TT	CC	1940131846
SNP_P1_5504_10577390	NC_021160.1	Ca_kabuli_chr01	10577390	TT	GG	1940131847
SNP_P1_5505_10577407	NC_021160.1	Ca_kabuli_chr01	10577407	GG	AA	1940131848
SNP_P1_5506_10577503	NC_021160.1	Ca_kabuli_chr01	10577503	CC	GG	1940131849
SNP_P1_5507_10577514	NC_021160.1	Ca_kabuli_chr01	10577514	TT	AA	1940131850
SNP_P1_5508_10577639	NC_021160.1	Ca_kabuli_chr01	10577639	CC	AA	1940131851
SNP_P1_5509_10577917	NC_021160.1	Ca_kabuli_chr01	10577917	CC	AA	1940131852
SNP_P1_5510_10577932	NC_021160.1	Ca_kabuli_chr01	10577932	CC	TT	1940131853
SNP_P1_5511_10613425	NC_021160.1	Ca_kabuli_chr01	10613425	TT	AA	1940131854
SNP_P1_5512_10626385	NC_021160.1	Ca_kabuli_chr01	10626385	AA	GG	1940131855
SNP_P1_5513_10638069	NC_021160.1	Ca_kabuli_chr01	10638069	AA	GG	1940131856
SNP_P1_5514_10725463	NC_021160.1	Ca_kabuli_chr01	10725463	CC	TT	1940131857
SNP_P1_5515_10732181	NC_021160.1	Ca_kabuli_chr01	10732181	AA	GG	1940131858
SNP_P1_5516_10755783	NC_021160.1	Ca_kabuli_chr01	10755783	TT	AA	1940131859
SNP_P1_5517_10762474	NC_021160.1	Ca_kabuli_chr01	10762474	GG	AA	1940131860
SNP_P1_5520_10811337	NC_021160.1	Ca_kabuli_chr01	10811337	GG	AA	1940131861
SNP_P1_5521_10829197	NC_021160.1	Ca_kabuli_chr01	10829197	AA	GG	1940131862
SNP_P1_5522_10829213	NC_021160.1	Ca_kabuli_chr01	10829213	TT	CC	1940131863
SNP_P1_5523_10829595	NC_021160.1	Ca_kabuli_chr01	10829595	TT	CC	1940131864
SNP_P1_5525_10846274	NC_021160.1	Ca_kabuli_chr01	10846274	AA	TT	1940131865
SNP_P1_5527_10850187	NC_021160.1	Ca_kabuli_chr01	10850187	GG	AA	1940131866
SNP_P1_5528_10850974	NC_021160.1	Ca_kabuli_chr01	10850974	AA	GG	1940131867
SNP_P1_5529_10855340	NC_021160.1	Ca_kabuli_chr01	10855340	TT	AA	1940131868
SNP_P1_5530_10856467	NC_021160.1	Ca_kabuli_chr01	10856467	TT	CC	1940131870
SNP_P1_5531_10856482	NC_021160.1	Ca_kabuli_chr01	10856482	TT	CC	1940131871
SNP_P1_5532_10856490	NC_021160.1	Ca_kabuli_chr01	10856490	AA	GG	1940131872
SNP_P1_5533_10856593	NC_021160.1	Ca_kabuli_chr01	10856593	AA	GG	1940131873
SNP_P1_5534_10856616	NC_021160.1	Ca_kabuli_chr01	10856616	TT	GG	1940131874
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SNP_P1_5536_10885191	NC_021160.1	Ca_kabuli_chr01	10885191	TT	AA	1940131876
SNP_P1_5537_10916013	NC_021160.1	Ca_kabuli_chr01	10916013	TT	CC	1940131877
SNP_P1_5538_10916473	NC_021160.1	Ca_kabuli_chr01	10916473	TT	CC	1940131878

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5540_10921417	NC_021160.1	Ca_kabuli_chr01	10921417	TT	CC	1940131880
SNP_P1_5542_10936167	NC_021160.1	Ca_kabuli_chr01	10936167	AA	TT	1940131881
SNP_P1_5544_10946819	NC_021160.1	Ca_kabuli_chr01	10946819	CC	TT	1940131882
SNP_P1_5545_10947396	NC_021160.1	Ca_kabuli_chr01	10947396	CC	TT	1940131883
SNP_P1_5546_10947414	NC_021160.1	Ca_kabuli_chr01	10947414	AA	GG	1940131884
SNP_P1_5547_10947431	NC_021160.1	Ca_kabuli_chr01	10947431	TT	CC	1940131885
SNP_P1_5549_10958841	NC_021160.1	Ca_kabuli_chr01	10958841	AA	TT	1940131886
SNP_P1_5550_10973362	NC_021160.1	Ca_kabuli_chr01	10973362	GG	CC	1940131887
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SNP_P1_5552_10994523	NC_021160.1	Ca_kabuli_chr01	10994523	GG	TT	1940131889
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SNP_P1_5559_11139144	NC_021160.1	Ca_kabuli_chr01	11139144	AA	TT	1940131894
SNP_P1_5561_11148321	NC_021160.1	Ca_kabuli_chr01	11148321	GG	AA	1940131895
SNP_P1_5563_11148889	NC_021160.1	Ca_kabuli_chr01	11148889	AA	TT	1940131896
SNP_P1_5565_11160450	NC_021160.1	Ca_kabuli_chr01	11160450	AA	GG	1940131897
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SNP_P1_5572_11197667	NC_021160.1	Ca_kabuli_chr01	11197667	GG	TT	1940131902
SNP_P1_5573_11197668	NC_021160.1	Ca_kabuli_chr01	11197668	AA	GG	1940131903
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SNP_P1_5577_11217866	NC_021160.1	Ca_kabuli_chr01	11217866	TT	GG	1940131907
SNP_P1_5578_11217953	NC_021160.1	Ca_kabuli_chr01	11217953	AA	GG	1940131908
SNP_P1_5579_11218110	NC_021160.1	Ca_kabuli_chr01	11218110	CC	TT	1940131909
SNP_P1_5580_11218149	NC_021160.1	Ca_kabuli_chr01	11218149	TT	CC	1940131910
SNP_P1_5581_11234518	NC_021160.1	Ca_kabuli_chr01	11234518	TT	AA	1940131911
SNP_P1_5582_11255784	NC_021160.1	Ca_kabuli_chr01	11255784	TT	CC	1940131912
SNP_P1_5583_11301553	NC_021160.1	Ca_kabuli_chr01	11301553	TT	GG	1940131913
SNP_P1_5584_11302689	NC_021160.1	Ca_kabuli_chr01	11302689	GG	AA	1940131914
SNP_P1_5587_11340986	NC_021160.1	Ca_kabuli_chr01	11340986	CC	TT	1940131915
SNP_P1_5588_11341016	NC_021160.1	Ca_kabuli_chr01	11341016	CC	TT	1940131916
SNP_P1_5589_11341049	NC_021160.1	Ca_kabuli_chr01	11341049	AA	CC	1940131917
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SNP_P1_5591_11341152	NC_021160.1	Ca_kabuli_chr01	11341152	GG	AA	1940131919
SNP_P1_5592_11341155	NC_021160.1	Ca_kabuli_chr01	11341155	TT	CC	1940131920
SNP_P1_5593_11341253	NC_021160.1	Ca_kabuli_chr01	11341253	GG	AA	1940131921

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5596_11341341	NC_021160.1	Ca_kabuli_chr01	11341341	GG	AA	1940131924
SNP_P1_5598_11383103	NC_021160.1	Ca_kabuli_chr01	11383103	AA	GG	1940131925
SNP_P1_5599_11383121	NC_021160.1	Ca_kabuli_chr01	11383121	AA	GG	1940131926
SNP_P1_5600_11396899	NC_021160.1	Ca_kabuli_chr01	11396899	AA	GG	1940131927
SNP_P1_5601_11396912	NC_021160.1	Ca_kabuli_chr01	11396912	TT	CC	1940131928
SNP_P1_5602_11396922	NC_021160.1	Ca_kabuli_chr01	11396922	AA	GG	1940131929
SNP_P1_5603_11413714	NC_021160.1	Ca_kabuli_chr01	11413714	TT	CC	1940131930
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SNP_P1_5606_11438002	NC_021160.1	Ca_kabuli_chr01	11438002	AA	GG	1940131932
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SNP_P1_5608_11440130	NC_021160.1	Ca_kabuli_chr01	11440130	AA	TT	1940131934
SNP_P1_5611_11466924	NC_021160.1	Ca_kabuli_chr01	11466924	TT	CC	1940131935
SNP_P1_5612_11516311	NC_021160.1	Ca_kabuli_chr01	11516311	GG	AA	1940131936
SNP_P1_5613_11517715	NC_021160.1	Ca_kabuli_chr01	11517715	GG	AA	1940131937
SNP_P1_5614_11517991	NC_021160.1	Ca_kabuli_chr01	11517991	TT	CC	1940131938
SNP_P1_5616_11650646	NC_021160.1	Ca_kabuli_chr01	11650646	CC	AA	1940131939
SNP_P1_5617_11653981	NC_021160.1	Ca_kabuli_chr01	11653981	GG	AA	1940131941
SNP_P1_5618_11723243	NC_021160.1	Ca_kabuli_chr01	11723243	TT	GG	1940131942
SNP_P1_5619_11735094	NC_021160.1	Ca_kabuli_chr01	11735094	GG	AA	1940131943
SNP_P1_5620_11735134	NC_021160.1	Ca_kabuli_chr01	11735134	GG	AA	1940131944
SNP_P1_5621_11738501	NC_021160.1	Ca_kabuli_chr01	11738501	TT	GG	1940131945
SNP_P1_5622_11755296	NC_021160.1	Ca_kabuli_chr01	11755296	AA	GG	1940131946
SNP_P1_5624_11786351	NC_021160.1	Ca_kabuli_chr01	11786351	AA	CC	1940131947
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SNP_P1_5628_11811355	NC_021160.1	Ca_kabuli_chr01	11811355	GG	CC	1940131949
SNP_P1_5629_11814026	NC_021160.1	Ca_kabuli_chr01	11814026	AA	TT	1940131950
SNP_P1_5631_11826827	NC_021160.1	Ca_kabuli_chr01	11826827	CC	TT	1940131951
SNP_P1_5632_11829992	NC_021160.1	Ca_kabuli_chr01	11829992	TT	AA	1940131952
SNP_P1_5635_11853931	NC_021160.1	Ca_kabuli_chr01	11853931	TT	AA	1940131953
SNP_P1_5636_11864141	NC_021160.1	Ca_kabuli_chr01	11864141	CC	GG	1940131954
SNP_P1_5639_11898419	NC_021160.1	Ca_kabuli_chr01	11898419	TT	CC	1940131955
SNP_P1_5641_11949104	NC_021160.1	Ca_kabuli_chr01	11949104	TT	CC	1940131956
SNP_P1_5642_11949105	NC_021160.1	Ca_kabuli_chr01	11949105	AA	TT	1940131957
SNP_P1_5643_11965624	NC_021160.1	Ca_kabuli_chr01	11965624	TT	CC	1940131958
SNP_P1_5645_11978359	NC_021160.1	Ca_kabuli_chr01	11978359	TT	CC	1940131959
SNP_P1_5646_11978387	NC_021160.1	Ca_kabuli_chr01	11978387	AA	CC	1940131960
SNP_P1_5647_11982400	NC_021160.1	Ca_kabuli_chr01	11982400	GG	AA	1940131961
SNP_P1_5649_11998564	NC_021160.1	Ca_kabuli_chr01	11998564	CC	TT	1940131962
SNP_P1_5650_12004345	NC_021160.1	Ca_kabuli_chr01	12004345	CC	TT	1940131963
SNP_P1_5651_12004772	NC_021160.1	Ca_kabuli_chr01	12004772	AA	CC	1940131964

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_5652_12004822	NC_021160.1	Ca_kabuli_chr01	12004822	GG	AA	1940131965
SNP_P1_5653_12005733	NC_021160.1	Ca_kabuli_chr01	12005733	CC	TT	1940131966
SNP_P1_5654_12038589	NC_021160.1	Ca_kabuli_chr01	12038589	GG	AA	1940131967
SNP_P1_5655_12049117	NC_021160.1	Ca_kabuli_chr01	12049117	AA	CC	1940131968
SNP_P1_5656_12060026	NC_021160.1	Ca_kabuli_chr01	12060026	TT	AA	1940131969
SNP_P1_5657_12072453	NC_021160.1	Ca_kabuli_chr01	12072453	GG	AA	1940131970
SNP_P1_5658_12073966	NC_021160.1	Ca_kabuli_chr01	12073966	CC	GG	1940131971
SNP_P1_5659_12073970	NC_021160.1	Ca_kabuli_chr01	12073970	TT	AA	1940131972
SNP_P1_5661_12091787	NC_021160.1	Ca_kabuli_chr01	12091787	GG	AA	1940131973
SNP_P1_5664_12110253	NC_021160.1	Ca_kabuli_chr01	12110253	AA	TT	1940131974
SNP_P1_5665_12124731	NC_021160.1	Ca_kabuli_chr01	12124731	TT	AA	1940131975
SNP_P1_5668_12137726	NC_021160.1	Ca_kabuli_chr01	12137726	AA	CC	1940131976
SNP_P1_5670_12169598	NC_021160.1	Ca_kabuli_chr01	12169598	GG	AA	1940131977
SNP_P1_5671_12172747	NC_021160.1	Ca_kabuli_chr01	12172747	TT	CC	1940131978
SNP_P1_5672_12173994	NC_021160.1	Ca_kabuli_chr01	12173994	CC	TT	1940131979
SNP_P1_5675_12260585	NC_021160.1	Ca_kabuli_chr01	12260585	TT	GG	1940131980
SNP_P1_5676_12307099	NC_021160.1	Ca_kabuli_chr01	12307099	GG	AA	1940131981
SNP_P1_5677_12307138	NC_021160.1	Ca_kabuli_chr01	12307138	CC	TT	1940131982
SNP_P1_5678_12307202	NC_021160.1	Ca_kabuli_chr01	12307202	CC	TT	1940131983
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SNP_P1_5681_12346224	NC_021160.1	Ca_kabuli_chr01	12346224	AA	GG	1940131986
SNP_P1_5682_12354577	NC_021160.1	Ca_kabuli_chr01	12354577	GG	AA	1940131987
SNP_P1_5683_12360095	NC_021160.1	Ca_kabuli_chr01	12360095	GG	AA	1940131988
SNP_P1_5684_12363794	NC_021160.1	Ca_kabuli_chr01	12363794	GG	TT	1940131989
SNP_P1_5685_12366905	NC_021160.1	Ca_kabuli_chr01	12366905	GG	AA	1940131990
SNP_P1_5686_12372536	NC_021160.1	Ca_kabuli_chr01	12372536	TT	CC	1940131991
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SNP_P1_5690_12402900	NC_021160.1	Ca_kabuli_chr01	12402900	TT	AA	1940131993
SNP_P1_5691_12409024	NC_021160.1	Ca_kabuli_chr01	12409024	AA	TT	1940131994
SNP_P1_5693_12422536	NC_021160.1	Ca_kabuli_chr01	12422536	TT	CC	1940131995
SNP_P1_5694_12422552	NC_021160.1	Ca_kabuli_chr01	12422552	AA	GG	1940131996
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SNP_P1_5696_12444374	NC_021160.1	Ca_kabuli_chr01	12444374	CC	AA	1940131998
SNP_P1_5698_12458885	NC_021160.1	Ca_kabuli_chr01	12458885	AA	CC	1940131999
SNP_P1_5699_12464321	NC_021160.1	Ca_kabuli_chr01	12464321	TT	CC	1940132000
SNP_P1_5700_12465301	NC_021160.1	Ca_kabuli_chr01	12465301	CC	TT	1940132001
SNP_P1_5701_12466673	NC_021160.1	Ca_kabuli_chr01	12466673	GG	TT	1940132002
SNP_P1_5702_12469886	NC_021160.1	Ca_kabuli_chr01	12469886	GG	AA	1940132003
SNP_P1_5703_12506298	NC_021160.1	Ca_kabuli_chr01	12506298	CC	TT	1940132004
SNP_P1_5704_12531507	NC_021160.1	Ca_kabuli_chr01	12531507	AA	TT	1940132005
SNP_P1_5705_12536569	NC_021160.1	Ca_kabuli_chr01	12536569	TT	AA	1940132006
SNP_P1_5707_12552458	NC_021160.1	Ca_kabuli_chr01	12552458	AA	GG	1940132007

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5709_12580161	NC_021160.1	Ca_kabuli_chr01	12580161	AA	GG	1940132009
SNP_P1_5711_12610206	NC_021160.1	Ca_kabuli_chr01	12610206	TT	CC	1940132010
SNP_P1_5712_12616999	NC_021160.1	Ca_kabuli_chr01	12616999	GG	TT	1940132011
SNP_P1_5713_12644694	NC_021160.1	Ca_kabuli_chr01	12644694	AA	TT	1940132012
SNP_P1_5714_12644716	NC_021160.1	Ca_kabuli_chr01	12644716	GG	AA	1940132013
SNP_P1_5716_12644747	NC_021160.1	Ca_kabuli_chr01	12644747	AA	GG	1940132014
SNP_P1_5717_12644911	NC_021160.1	Ca_kabuli_chr01	12644911	AA	GG	1940132015
SNP_P1_5719_12645042	NC_021160.1	Ca_kabuli_chr01	12645042	CC	TT	1940132016
SNP_P1_5720_12645047	NC_021160.1	Ca_kabuli_chr01	12645047	AA	GG	1940132017
SNP_P1_5722_12650325	NC_021160.1	Ca_kabuli_chr01	12650325	AA	GG	1940132018
SNP_P1_5723_12654065	NC_021160.1	Ca_kabuli_chr01	12654065	AA	GG	1940132019
SNP_P1_5724_12654075	NC_021160.1	Ca_kabuli_chr01	12654075	TT	CC	1940132020
SNP_P1_5725_12654090	NC_021160.1	Ca_kabuli_chr01	12654090	TT	AA	1940132021
SNP_P1_5726_12654407	NC_021160.1	Ca_kabuli_chr01	12654407	AA	GG	1940132022
SNP_P1_5727_12654618	NC_021160.1	Ca_kabuli_chr01	12654618	CC	TT	1940132023
SNP_P1_5728_12680266	NC_021160.1	Ca_kabuli_chr01	12680266	TT	AA	1940132024
SNP_P1_5730_12693982	NC_021160.1	Ca_kabuli_chr01	12693982	TT	AA	1940132025
SNP_P1_5731_12699961	NC_021160.1	Ca_kabuli_chr01	12699961	AA	GG	1940132026
SNP_P1_5732_12702313	NC_021160.1	Ca_kabuli_chr01	12702313	TT	GG	1940132027
SNP_P1_5733_12716587	NC_021160.1	Ca_kabuli_chr01	12716587	TT	AA	1940132028
SNP_P1_5736_12727661	NC_021160.1	Ca_kabuli_chr01	12727661	TT	CC	1940132029
SNP_P1_5737_12729358	NC_021160.1	Ca_kabuli_chr01	12729358	AA	TT	1940132030
SNP_P1_5738_12739174	NC_021160.1	Ca_kabuli_chr01	12739174	CC	AA	1940132031
SNP_P1_5739_12740700	NC_021160.1	Ca_kabuli_chr01	12740700	GG	AA	1940132033
SNP_P1_5740_12753920	NC_021160.1	Ca_kabuli_chr01	12753920	GG	CC	1940132034
SNP_P1_5741_12763863	NC_021160.1	Ca_kabuli_chr01	12763863	GG	AA	1940132035
SNP_P1_5742_12767427	NC_021160.1	Ca_kabuli_chr01	12767427	GG	TT	1940132036
SNP_P1_5743_12767631	NC_021160.1	Ca_kabuli_chr01	12767631	TT	CC	1940132037
SNP_P1_5744_12767754	NC_021160.1	Ca_kabuli_chr01	12767754	TT	AA	1940132038
SNP_P1_5746_12768244	NC_021160.1	Ca_kabuli_chr01	12768244	TT	AA	1940132039
SNP_P1_5747_12769564	NC_021160.1	Ca_kabuli_chr01	12769564	CC	AA	1940132040
SNP_P1_5748_12770044	NC_021160.1	Ca_kabuli_chr01	12770044	AA	GG	1940132041
SNP_P1_5749_12770053	NC_021160.1	Ca_kabuli_chr01	12770053	GG	AA	1940132042
SNP_P1_5750_12773616	NC_021160.1	Ca_kabuli_chr01	12773616	TT	AA	1940132043
SNP_P1_5751_12773711	NC_021160.1	Ca_kabuli_chr01	12773711	AA	GG	1940132044
SNP_P1_5752_12773735	NC_021160.1	Ca_kabuli_chr01	12773735	GG	TT	1940132045
SNP_P1_5753_12774104	NC_021160.1	Ca_kabuli_chr01	12774104	AA	CC	1940132046
SNP_P1_5755_12774350	NC_021160.1	Ca_kabuli_chr01	12774350	TT	AA	1940132047
SNP_P1_5756_12774355	NC_021160.1	Ca_kabuli_chr01	12774355	AA	TT	1940132048
SNP_P1_5757_12774385	NC_021160.1	Ca_kabuli_chr01	12774385	CC	TT	1940132049
SNP_P1_5758_12774649	NC_021160.1	Ca_kabuli_chr01	12774649	AA	CC	1940132050

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5760_12775808	NC_021160.1	Ca_kabuli_chr01	12775808	GG	AA	1940132052
SNP_P1_5761_12776043	NC_021160.1	Ca_kabuli_chr01	12776043	CC	TT	1940132053
SNP_P1_5763_12776773	NC_021160.1	Ca_kabuli_chr01	12776773	CC	TT	1940132054
SNP_P1_5764_12777171	NC_021160.1	Ca_kabuli_chr01	12777171	TT	CC	1940132056
SNP_P1_5765_12777211	NC_021160.1	Ca_kabuli_chr01	12777211	TT	CC	1940132057
SNP_P1_5766_12780668	NC_021160.1	Ca_kabuli_chr01	12780668	AA	TT	1940132058
SNP_P1_5767_12780669	NC_021160.1	Ca_kabuli_chr01	12780669	AA	TT	1940132059
SNP_P1_5768_12781482	NC_021160.1	Ca_kabuli_chr01	12781482	GG	CC	1940132060
SNP_P1_5769_12781506	NC_021160.1	Ca_kabuli_chr01	12781506	AA	CC	1940132061
SNP_P1_5770_12783183	NC_021160.1	Ca_kabuli_chr01	12783183	CC	AA	1940132062
SNP_P1_5771_12791661	NC_021160.1	Ca_kabuli_chr01	12791661	AA	GG	1940132063
SNP_P1_5772_12792034	NC_021160.1	Ca_kabuli_chr01	12792034	CC	TT	1940132064
SNP_P1_5773_12792039	NC_021160.1	Ca_kabuli_chr01	12792039	AA	TT	1940132065
SNP_P1_5774_12795477	NC_021160.1	Ca_kabuli_chr01	12795477	AA	GG	1940132066
SNP_P1_5776_12831140	NC_021160.1	Ca_kabuli_chr01	12831140	CC	TT	1940132067
SNP_P1_5777_12876380	NC_021160.1	Ca_kabuli_chr01	12876380	GG	AA	1940132068
SNP_P1_5780_12887991	NC_021160.1	Ca_kabuli_chr01	12887991	TT	GG	1940132069
SNP_P1_5781_12916307	NC_021160.1	Ca_kabuli_chr01	12916307	GG	AA	1940132070
SNP_P1_5782_12918509	NC_021160.1	Ca_kabuli_chr01	12918509	TT	AA	1940132071
SNP_P1_5783_12926664	NC_021160.1	Ca_kabuli_chr01	12926664	GG	TT	1940132072
SNP_P1_5784_12926666	NC_021160.1	Ca_kabuli_chr01	12926666	TT	CC	1940132073
SNP_P1_5785_12926944	NC_021160.1	Ca_kabuli_chr01	12926944	TT	CC	1940132074
SNP_P1_5786_12926954	NC_021160.1	Ca_kabuli_chr01	12926954	AA	GG	1940132075
SNP_P1_5787_12926996	NC_021160.1	Ca_kabuli_chr01	12926996	TT	CC	1940132076
SNP_P1_5788_12927025	NC_021160.1	Ca_kabuli_chr01	12927025	AA	CC	1940132077
SNP_P1_5790_12934095	NC_021160.1	Ca_kabuli_chr01	12934095	TT	AA	1940132078
SNP_P1_5791_12939596	NC_021160.1	Ca_kabuli_chr01	12939596	GG	CC	1940132079
SNP_P1_5792_12941821	NC_021160.1	Ca_kabuli_chr01	12941821	CC	TT	1940132080
SNP_P1_5793_12947096	NC_021160.1	Ca_kabuli_chr01	12947096	AA	GG	1940132081
SNP_P1_5794_12947312	NC_021160.1	Ca_kabuli_chr01	12947312	AA	CC	1940132082
SNP_P1_5795_12947342	NC_021160.1	Ca_kabuli_chr01	12947342	GG	AA	1940132083
SNP_P1_5796_12947368	NC_021160.1	Ca_kabuli_chr01	12947368	CC	TT	1940132084
SNP_P1_5797_12947398	NC_021160.1	Ca_kabuli_chr01	12947398	GG	AA	1940132086
SNP_P1_5798_12947448	NC_021160.1	Ca_kabuli_chr01	12947448	CC	TT	1940132087
SNP_P1_5799_12947468	NC_021160.1	Ca_kabuli_chr01	12947468	CC	TT	1940132088
SNP_P1_5800_12947486	NC_021160.1	Ca_kabuli_chr01	12947486	AA	GG	1940132089
SNP_P1_5801_12947534	NC_021160.1	Ca_kabuli_chr01	12947534	CC	TT	1940132090
SNP_P1_5802_12947539	NC_021160.1	Ca_kabuli_chr01	12947539	GG	AA	1940132091
SNP_P1_5803_12947557	NC_021160.1	Ca_kabuli_chr01	12947557	AA	GG	1940132092
SNP_P1_5805_12947755	NC_021160.1	Ca_kabuli_chr01	12947755	TT	CC	1940132093
SNP_P1_5806_12947981	NC_021160.1	Ca_kabuli_chr01	12947981	AA	GG	1940132094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5808_12948065	NC_021160.1	Ca_kabuli_chr01	12948065	AA	GG	1940132096
SNP_P1_5809_12948070	NC_021160.1	Ca_kabuli_chr01	12948070	GG	AA	1940132097
SNP_P1_5810_12948638	NC_021160.1	Ca_kabuli_chr01	12948638	TT	CC	1940132098
SNP_P1_5811_12948801	NC_021160.1	Ca_kabuli_chr01	12948801	GG	AA	1940132099
SNP_P1_5813_12950906	NC_021160.1	Ca_kabuli_chr01	12950906	TT	CC	1940132100
SNP_P1_5814_12950909	NC_021160.1	Ca_kabuli_chr01	12950909	CC	GG	1940132101
SNP_P1_5815_12951124	NC_021160.1	Ca_kabuli_chr01	12951124	AA	CC	1940132102
SNP_P1_5816_12955860	NC_021160.1	Ca_kabuli_chr01	12955860	AA	GG	1940132103
SNP_P1_5819_12956156	NC_021160.1	Ca_kabuli_chr01	12956156	CC	AA	1940132104
SNP_P1_5820_12956302	NC_021160.1	Ca_kabuli_chr01	12956302	CC	TT	1940132105
SNP_P1_5821_12956336	NC_021160.1	Ca_kabuli_chr01	12956336	GG	AA	1940132106
SNP_P1_5822_12956354	NC_021160.1	Ca_kabuli_chr01	12956354	AA	GG	1940132107
SNP_P1_5824_12956479	NC_021160.1	Ca_kabuli_chr01	12956479	AA	GG	1940132108
SNP_P1_5825_12956869	NC_021160.1	Ca_kabuli_chr01	12956869	AA	GG	1940132110
SNP_P1_5826_12956950	NC_021160.1	Ca_kabuli_chr01	12956950	CC	TT	1940132111
SNP_P1_5827_12973854	NC_021160.1	Ca_kabuli_chr01	12973854	AA	CC	1940132112
SNP_P1_5828_12979201	NC_021160.1	Ca_kabuli_chr01	12979201	CC	AA	1940132113
SNP_P1_5829_12979286	NC_021160.1	Ca_kabuli_chr01	12979286	CC	TT	1940132114
SNP_P1_5830_12979534	NC_021160.1	Ca_kabuli_chr01	12979534	TT	CC	1940132115
SNP_P1_5831_12982042	NC_021160.1	Ca_kabuli_chr01	12982042	CC	GG	1940132116
SNP_P1_5832_12984099	NC_021160.1	Ca_kabuli_chr01	12984099	CC	TT	1940132117
SNP_P1_5833_12984100	NC_021160.1	Ca_kabuli_chr01	12984100	GG	AA	1940132118
SNP_P1_5834_12984194	NC_021160.1	Ca_kabuli_chr01	12984194	GG	AA	1940132119
SNP_P1_5835_12984258	NC_021160.1	Ca_kabuli_chr01	12984258	GG	AA	1940132120
SNP_P1_5836_12985914	NC_021160.1	Ca_kabuli_chr01	12985914	CC	TT	1940132121
SNP_P1_5838_12991478	NC_021160.1	Ca_kabuli_chr01	12991478	TT	AA	1940132122
SNP_P1_5839_13005451	NC_021160.1	Ca_kabuli_chr01	13005451	TT	CC	1940132123
SNP_P1_5840_13005732	NC_021160.1	Ca_kabuli_chr01	13005732	GG	AA	1940132124
SNP_P1_5841_13005847	NC_021160.1	Ca_kabuli_chr01	13005847	GG	AA	1940132125
SNP_P1_5843_13006291	NC_021160.1	Ca_kabuli_chr01	13006291	CC	TT	1940132126
SNP_P1_5844_13006421	NC_021160.1	Ca_kabuli_chr01	13006421	AA	GG	1940132127
SNP_P1_5845_13007082	NC_021160.1	Ca_kabuli_chr01	13007082	AA	GG	1940132128
SNP_P1_5846_13007215	NC_021160.1	Ca_kabuli_chr01	13007215	AA	GG	1940132130
SNP_P1_5847_13007244	NC_021160.1	Ca_kabuli_chr01	13007244	AA	GG	1940132131
SNP_P1_5848_13007294	NC_021160.1	Ca_kabuli_chr01	13007294	CC	GG	1940132132
SNP_P1_5849_13007347	NC_021160.1	Ca_kabuli_chr01	13007347	TT	AA	1940132133
SNP_P1_5850_13007352	NC_021160.1	Ca_kabuli_chr01	13007352	AA	GG	1940132134
SNP_P1_5851_13007480	NC_021160.1	Ca_kabuli_chr01	13007480	GG	AA	1940132135
SNP_P1_5853_13007533	NC_021160.1	Ca_kabuli_chr01	13007533	GG	AA	1940132136
SNP_P1_5854_13007590	NC_021160.1	Ca_kabuli_chr01	13007590	CC	AA	1940132137
SNP_P1_5855_13007861	NC_021160.1	Ca_kabuli_chr01	13007861	TT	GG	1940132138

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_5856_13008096	NC_021160.1	Ca_kabuli_chr01	13008096	CC	TT	1940132139
SNP_P1_5857_13008103	NC_021160.1	Ca_kabuli_chr01	13008103	CC	TT	1940132140
SNP_P1_5858_13008136	NC_021160.1	Ca_kabuli_chr01	13008136	CC	AA	1940132141
SNP_P1_5859_13008184	NC_021160.1	Ca_kabuli_chr01	13008184	TT	CC	1940132142
SNP_P1_5860_13008220	NC_021160.1	Ca_kabuli_chr01	13008220	CC	TT	1940132143
SNP_P1_5861_13008592	NC_021160.1	Ca_kabuli_chr01	13008592	CC	AA	1940132144
SNP_P1_5862_13008651	NC_021160.1	Ca_kabuli_chr01	13008651	CC	GG	1940132145
SNP_P1_5863_13008669	NC_021160.1	Ca_kabuli_chr01	13008669	TT	CC	1940132146
SNP_P1_5864_13008740	NC_021160.1	Ca_kabuli_chr01	13008740	CC	GG	1940132147
SNP_P1_5865_13008816	NC_021160.1	Ca_kabuli_chr01	13008816	TT	CC	1940132149
SNP_P1_5866_13008921	NC_021160.1	Ca_kabuli_chr01	13008921	TT	CC	1940132150
SNP_P1_5867_13009200	NC_021160.1	Ca_kabuli_chr01	13009200	AA	CC	1940132151
SNP_P1_5868_13009516	NC_021160.1	Ca_kabuli_chr01	13009516	AA	GG	1940132152
SNP_P1_5869_13009592	NC_021160.1	Ca_kabuli_chr01	13009592	GG	AA	1940132153
SNP_P1_5871_13012551	NC_021160.1	Ca_kabuli_chr01	13012551	CC	TT	1940132154
SNP_P1_5872_13012574	NC_021160.1	Ca_kabuli_chr01	13012574	TT	CC	1940132155
SNP_P1_5873_13012935	NC_021160.1	Ca_kabuli_chr01	13012935	AA	TT	1940132156
SNP_P1_5874_13014267	NC_021160.1	Ca_kabuli_chr01	13014267	CC	AA	1940132157
SNP_P1_5875_13014333	NC_021160.1	Ca_kabuli_chr01	13014333	GG	AA	1940132158
SNP_P1_5876_13014342	NC_021160.1	Ca_kabuli_chr01	13014342	AA	TT	1940132159
SNP_P1_5877_13014360	NC_021160.1	Ca_kabuli_chr01	13014360	AA	GG	1940132160
SNP_P1_5878_13014372	NC_021160.1	Ca_kabuli_chr01	13014372	AA	TT	1940132161
SNP_P1_5879_13014373	NC_021160.1	Ca_kabuli_chr01	13014373	TT	CC	1940132162
SNP_P1_5880_13014374	NC_021160.1	Ca_kabuli_chr01	13014374	TT	GG	1940132163
SNP_P1_5881_13049053	NC_021160.1	Ca_kabuli_chr01	13049053	CC	TT	1940132164
SNP_P1_5883_13103791	NC_021160.1	Ca_kabuli_chr01	13103791	AA	GG	1940132165
SNP_P1_5885_13124920	NC_021160.1	Ca_kabuli_chr01	13124920	CC	TT	1940132166
SNP_P1_5886_13124951	NC_021160.1	Ca_kabuli_chr01	13124951	TT	CC	1940132167
SNP_P1_5887_13124956	NC_021160.1	Ca_kabuli_chr01	13124956	CC	TT	1940132168
SNP_P1_5888_13125068	NC_021160.1	Ca_kabuli_chr01	13125068	TT	CC	1940132169
SNP_P1_5889_13125410	NC_021160.1	Ca_kabuli_chr01	13125410	GG	AA	1940132170
SNP_P1_5891_13135717	NC_021160.1	Ca_kabuli_chr01	13135717	TT	CC	1940132171
SNP_P1_5892_13135719	NC_021160.1	Ca_kabuli_chr01	13135719	CC	TT	1940132172
SNP_P1_5893_13135724	NC_021160.1	Ca_kabuli_chr01	13135724	AA	CC	1940132173
SNP_P1_5894_13135725	NC_021160.1	Ca_kabuli_chr01	13135725	TT	AA	1940132174
SNP_P1_5895_13187766	NC_021160.1	Ca_kabuli_chr01	13187766	TT	AA	1940132175
SNP_P1_5896_13188527	NC_021160.1	Ca_kabuli_chr01	13188527	TT	GG	1940132176
SNP_P1_5897_13188531	NC_021160.1	Ca_kabuli_chr01	13188531	TT	GG	1940132177
SNP_P1_5899_13220185	NC_021160.1	Ca_kabuli_chr01	13220185	TT	CC	1940132178
SNP_P1_5900_13222918	NC_021160.1	Ca_kabuli_chr01	13222918	CC	AA	1940132179
SNP_P1_5901_13283885	NC_021160.1	Ca_kabuli_chr01	13283885	AA	TT	1940132180
SNP_P1_5904_13303775	NC_021160.1	Ca_kabuli_chr01	13303775	CC	TT	1940132181

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5906_13312947	NC_021160.1	Ca_kabuli_chr01	13312947	AA	TT	1940132183
SNP_P1_5907_13338812	NC_021160.1	Ca_kabuli_chr01	13338812	TT	AA	1940132184
SNP_P1_5910_13351101	NC_021160.1	Ca_kabuli_chr01	13351101	GG	AA	1940132185
SNP_P1_5911_13418490	NC_021160.1	Ca_kabuli_chr01	13418490	TT	CC	1940132186
SNP_P1_5912_13472034	NC_021160.1	Ca_kabuli_chr01	13472034	AA	TT	1940132188
SNP_P1_5913_13487455	NC_021160.1	Ca_kabuli_chr01	13487455	TT	AA	1940132189
SNP_P1_5914_13487457	NC_021160.1	Ca_kabuli_chr01	13487457	AA	TT	1940132190
SNP_P1_5915_13532860	NC_021160.1	Ca_kabuli_chr01	13532860	CC	TT	1940132191
SNP_P1_5916_13547739	NC_021160.1	Ca_kabuli_chr01	13547739	AA	GG	1940132192
SNP_P1_5917_13548660	NC_021160.1	Ca_kabuli_chr01	13548660	CC	AA	1940132193
SNP_P1_5918_13548671	NC_021160.1	Ca_kabuli_chr01	13548671	GG	AA	1940132194
SNP_P1_5919_13548917	NC_021160.1	Ca_kabuli_chr01	13548917	CC	TT	1940132195
SNP_P1_5920_13548973	NC_021160.1	Ca_kabuli_chr01	13548973	AA	CC	1940132196
SNP_P1_5921_13549000	NC_021160.1	Ca_kabuli_chr01	13549000	AA	TT	1940132197
SNP_P1_5923_13570702	NC_021160.1	Ca_kabuli_chr01	13570702	TT	AA	1940132198
SNP_P1_5925_13570757	NC_021160.1	Ca_kabuli_chr01	13570757	TT	CC	1940132199
SNP_P1_5926_13571040	NC_021160.1	Ca_kabuli_chr01	13571040	AA	GG	1940132200
SNP_P1_5927_13598885	NC_021160.1	Ca_kabuli_chr01	13598885	AA	GG	1940132201
SNP_P1_5928_13628502	NC_021160.1	Ca_kabuli_chr01	13628502	CC	TT	1940132202
SNP_P1_5929_13661038	NC_021160.1	Ca_kabuli_chr01	13661038	TT	CC	1940132203
SNP_P1_5930_13661039	NC_021160.1	Ca_kabuli_chr01	13661039	TT	CC	1940132204
SNP_P1_5932_13661061	NC_021160.1	Ca_kabuli_chr01	13661061	TT	CC	1940132205
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SNP_P1_5934_13671399	NC_021160.1	Ca_kabuli_chr01	13671399	TT	AA	1940132207
SNP_P1_5938_13671524	NC_021160.1	Ca_kabuli_chr01	13671524	CC	AA	1940132208
SNP_P1_5939_13671652	NC_021160.1	Ca_kabuli_chr01	13671652	CC	TT	1940132209
SNP_P1_5940_13671693	NC_021160.1	Ca_kabuli_chr01	13671693	AA	GG	1940132210
SNP_P1_5941_13671745	NC_021160.1	Ca_kabuli_chr01	13671745	AA	CC	1940132211
SNP_P1_5942_13671762	NC_021160.1	Ca_kabuli_chr01	13671762	CC	AA	1940132212
SNP_P1_5943_13671867	NC_021160.1	Ca_kabuli_chr01	13671867	GG	AA	1940132213
SNP_P1_5946_13672210	NC_021160.1	Ca_kabuli_chr01	13672210	GG	AA	1940132214
SNP_P1_5949_13672993	NC_021160.1	Ca_kabuli_chr01	13672993	TT	AA	1940132215
SNP_P1_5950_13673131	NC_021160.1	Ca_kabuli_chr01	13673131	CC	AA	1940132216
SNP_P1_5951_13673170	NC_021160.1	Ca_kabuli_chr01	13673170	CC	TT	1940132217
SNP_P1_5953_13673365	NC_021160.1	Ca_kabuli_chr01	13673365	TT	CC	1940132218
SNP_P1_5954_13673633	NC_021160.1	Ca_kabuli_chr01	13673633	AA	GG	1940132219
SNP_P1_5955_13674032	NC_021160.1	Ca_kabuli_chr01	13674032	TT	AA	1940132220
SNP_P1_5957_13674433	NC_021160.1	Ca_kabuli_chr01	13674433	GG	AA	1940132221
SNP_P1_5958_13674606	NC_021160.1	Ca_kabuli_chr01	13674606	GG	AA	1940132222
SNP_P1_5959_13674632	NC_021160.1	Ca_kabuli_chr01	13674632	AA	GG	1940132223
SNP_P1_5960_13674636	NC_021160.1	Ca_kabuli_chr01	13674636	AA	CC	1940132224

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_5962_13675950	NC_021160.1	Ca_kabuli_chr01	13675950	TT	AA	1940132227
SNP_P1_5963_13676158	NC_021160.1	Ca_kabuli_chr01	13676158	CC	TT	1940132228
SNP_P1_5964_13676224	NC_021160.1	Ca_kabuli_chr01	13676224	CC	AA	1940132229
SNP_P1_5967_13677284	NC_021160.1	Ca_kabuli_chr01	13677284	TT	AA	1940132230
SNP_P1_5968_13677399	NC_021160.1	Ca_kabuli_chr01	13677399	CC	TT	1940132231
SNP_P1_5969_13677416	NC_021160.1	Ca_kabuli_chr01	13677416	GG	AA	1940132232
SNP_P1_5971_13677583	NC_021160.1	Ca_kabuli_chr01	13677583	GG	AA	1940132233
SNP_P1_5972_13677585	NC_021160.1	Ca_kabuli_chr01	13677585	GG	AA	1940132234
SNP_P1_5973_13677671	NC_021160.1	Ca_kabuli_chr01	13677671	AA	GG	1940132235
SNP_P1_5976_13678312	NC_021160.1	Ca_kabuli_chr01	13678312	TT	AA	1940132236
SNP_P1_5978_13679450	NC_021160.1	Ca_kabuli_chr01	13679450	TT	CC	1940132237
SNP_P1_5980_13680008	NC_021160.1	Ca_kabuli_chr01	13680008	GG	CC	1940132238
SNP_P1_5982_13682311	NC_021160.1	Ca_kabuli_chr01	13682311	CC	TT	1940132239
SNP_P1_5983_13682344	NC_021160.1	Ca_kabuli_chr01	13682344	AA	CC	1940132240
SNP_P1_5985_13682666	NC_021160.1	Ca_kabuli_chr01	13682666	TT	AA	1940132241
SNP_P1_5986_13683201	NC_021160.1	Ca_kabuli_chr01	13683201	CC	TT	1940132242
SNP_P1_5987_13683240	NC_021160.1	Ca_kabuli_chr01	13683240	TT	CC	1940132243
SNP_P1_5988_13683510	NC_021160.1	Ca_kabuli_chr01	13683510	GG	AA	1940132244
SNP_P1_5989_13683727	NC_021160.1	Ca_kabuli_chr01	13683727	AA	CC	1940132245
SNP_P1_5990_13683734	NC_021160.1	Ca_kabuli_chr01	13683734	AA	GG	1940132246
SNP_P1_5992_13683758	NC_021160.1	Ca_kabuli_chr01	13683758	CC	TT	1940132247
SNP_P1_5993_13683826	NC_021160.1	Ca_kabuli_chr01	13683826	CC	TT	1940132248
SNP_P1_5994_13684049	NC_021160.1	Ca_kabuli_chr01	13684049	AA	TT	1940132249
SNP_P1_5997_13685782	NC_021160.1	Ca_kabuli_chr01	13685782	CC	GG	1940132250
SNP_P1_5998_13685811	NC_021160.1	Ca_kabuli_chr01	13685811	TT	CC	1940132251
SNP_P1_5999_13685822	NC_021160.1	Ca_kabuli_chr01	13685822	CC	TT	1940132252
SNP_P1_6002_13686412	NC_021160.1	Ca_kabuli_chr01	13686412	TT	CC	1940132253
SNP_P1_6003_13687687	NC_021160.1	Ca_kabuli_chr01	13687687	TT	GG	1940132254
SNP_P1_6004_13688030	NC_021160.1	Ca_kabuli_chr01	13688030	CC	TT	1940132255
SNP_P1_6005_13688045	NC_021160.1	Ca_kabuli_chr01	13688045	GG	AA	1940132256
SNP_P1_6007_13688796	NC_021160.1	Ca_kabuli_chr01	13688796	CC	AA	1940132257
SNP_P1_6008_13688835	NC_021160.1	Ca_kabuli_chr01	13688835	CC	TT	1940132258
SNP_P1_6009_13688837	NC_021160.1	Ca_kabuli_chr01	13688837	AA	GG	1940132259
SNP_P1_6010_13688841	NC_021160.1	Ca_kabuli_chr01	13688841	TT	CC	1940132260
SNP_P1_6012_13689137	NC_021160.1	Ca_kabuli_chr01	13689137	AA	GG	1940132261
SNP_P1_6013_13689146	NC_021160.1	Ca_kabuli_chr01	13689146	GG	AA	1940132262
SNP_P1_6014_13689162	NC_021160.1	Ca_kabuli_chr01	13689162	AA	GG	1940132263
SNP_P1_6015_13690437	NC_021160.1	Ca_kabuli_chr01	13690437	GG	AA	1940132264
SNP_P1_6017_13690543	NC_021160.1	Ca_kabuli_chr01	13690543	GG	TT	1940132265
SNP_P1_6018_13690576	NC_021160.1	Ca_kabuli_chr01	13690576	GG	AA	1940132267
SNP_P1_6019_13690589	NC_021160.1	Ca_kabuli_chr01	13690589	GG	AA	1940132268

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6021_13691203	NC_021160.1	Ca_kabuli_chr01	13691203	AA	CC	1940132270
SNP_P1_6022_13691347	NC_021160.1	Ca_kabuli_chr01	13691347	GG	AA	1940132271
SNP_P1_6023_13691439	NC_021160.1	Ca_kabuli_chr01	13691439	GG	AA	1940132272
SNP_P1_6024_13692149	NC_021160.1	Ca_kabuli_chr01	13692149	GG	AA	1940132273
SNP_P1_6025_13692157	NC_021160.1	Ca_kabuli_chr01	13692157	TT	CC	1940132274
SNP_P1_6027_13692774	NC_021160.1	Ca_kabuli_chr01	13692774	GG	AA	1940132275
SNP_P1_6028_13692843	NC_021160.1	Ca_kabuli_chr01	13692843	AA	GG	1940132276
SNP_P1_6029_13693149	NC_021160.1	Ca_kabuli_chr01	13693149	GG	CC	1940132277
SNP_P1_6030_13693320	NC_021160.1	Ca_kabuli_chr01	13693320	CC	TT	1940132278
SNP_P1_6031_13693323	NC_021160.1	Ca_kabuli_chr01	13693323	AA	GG	1940132279
SNP_P1_6032_13693339	NC_021160.1	Ca_kabuli_chr01	13693339	TT	AA	1940132280
SNP_P1_6033_13693442	NC_021160.1	Ca_kabuli_chr01	13693442	AA	GG	1940132281
SNP_P1_6034_13693497	NC_021160.1	Ca_kabuli_chr01	13693497	CC	GG	1940132282
SNP_P1_6035_13693542	NC_021160.1	Ca_kabuli_chr01	13693542	AA	TT	1940132283
SNP_P1_6036_13693610	NC_021160.1	Ca_kabuli_chr01	13693610	CC	TT	1940132284
SNP_P1_6037_13693633	NC_021160.1	Ca_kabuli_chr01	13693633	TT	AA	1940132285
SNP_P1_6038_13693759	NC_021160.1	Ca_kabuli_chr01	13693759	AA	GG	1940132286
SNP_P1_6039_13693781	NC_021160.1	Ca_kabuli_chr01	13693781	TT	AA	1940132287
SNP_P1_6040_13693827	NC_021160.1	Ca_kabuli_chr01	13693827	CC	AA	1940132288
SNP_P1_6042_13694725	NC_021160.1	Ca_kabuli_chr01	13694725	CC	GG	1940132289
SNP_P1_6044_13694759	NC_021160.1	Ca_kabuli_chr01	13694759	CC	TT	1940132290
SNP_P1_6045_13695000	NC_021160.1	Ca_kabuli_chr01	13695000	GG	CC	1940132291
SNP_P1_6046_13695015	NC_021160.1	Ca_kabuli_chr01	13695015	TT	GG	1940132292
SNP_P1_6047_13695729	NC_021160.1	Ca_kabuli_chr01	13695729	AA	TT	1940132294
SNP_P1_6048_13696133	NC_021160.1	Ca_kabuli_chr01	13696133	CC	AA	1940132295
SNP_P1_6050_13696173	NC_021160.1	Ca_kabuli_chr01	13696173	AA	CC	1940132296
SNP_P1_6051_13696262	NC_021160.1	Ca_kabuli_chr01	13696262	GG	CC	1940132297
SNP_P1_6053_13697332	NC_021160.1	Ca_kabuli_chr01	13697332	TT	CC	1940132298
SNP_P1_6056_13698268	NC_021160.1	Ca_kabuli_chr01	13698268	TT	CC	1940132299
SNP_P1_6057_13698333	NC_021160.1	Ca_kabuli_chr01	13698333	GG	TT	1940132300
SNP_P1_6058_13698548	NC_021160.1	Ca_kabuli_chr01	13698548	AA	TT	1940132301
SNP_P1_6060_13699547	NC_021160.1	Ca_kabuli_chr01	13699547	AA	GG	1940132302
SNP_P1_6061_13699617	NC_021160.1	Ca_kabuli_chr01	13699617	TT	AA	1940132303
SNP_P1_6062_13701790	NC_021160.1	Ca_kabuli_chr01	13701790	GG	AA	1940132304
SNP_P1_6064_13701864	NC_021160.1	Ca_kabuli_chr01	13701864	TT	GG	1940132306
SNP_P1_6065_13702205	NC_021160.1	Ca_kabuli_chr01	13702205	GG	CC	1940132307
SNP_P1_6066_13704004	NC_021160.1	Ca_kabuli_chr01	13704004	GG	AA	1940132308
SNP_P1_6067_13704129	NC_021160.1	Ca_kabuli_chr01	13704129	AA	CC	1940132309
SNP_P1_6068_13704327	NC_021160.1	Ca_kabuli_chr01	13704327	CC	TT	1940132310
SNP_P1_6069_13704371	NC_021160.1	Ca_kabuli_chr01	13704371	CC	AA	1940132311
SNP_P1_6070_13704568	NC_021160.1	Ca_kabuli_chr01	13704568	TT	CC	1940132312

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6074_13704744	NC_021160.1	Ca_kabuli_chr01	13704744	GG	TT	1940132315
SNP_P1_6075_13704763	NC_021160.1	Ca_kabuli_chr01	13704763	CC	GG	1940132316
SNP_P1_6076_13704781	NC_021160.1	Ca_kabuli_chr01	13704781	GG	AA	1940132317
SNP_P1_6077_13704802	NC_021160.1	Ca_kabuli_chr01	13704802	TT	CC	1940132318
SNP_P1_6078_13710442	NC_021160.1	Ca_kabuli_chr01	13710442	CC	TT	1940132319
SNP_P1_6079_13715974	NC_021160.1	Ca_kabuli_chr01	13715974	GG	TT	1940132320
SNP_P1_6080_13716377	NC_021160.1	Ca_kabuli_chr01	13716377	CC	TT	1940132321
SNP_P1_6081_13716383	NC_021160.1	Ca_kabuli_chr01	13716383	TT	AA	1940132322
SNP_P1_6082_13716400	NC_021160.1	Ca_kabuli_chr01	13716400	TT	GG	1940132323
SNP_P1_6083_13716843	NC_021160.1	Ca_kabuli_chr01	13716843	AA	GG	1940132324
SNP_P1_6084_13745197	NC_021160.1	Ca_kabuli_chr01	13745197	CC	TT	1940132325
SNP_P1_6090_13842713	NC_021160.1	Ca_kabuli_chr01	13842713	AA	GG	1940132326
SNP_P1_6091_13843348	NC_021160.1	Ca_kabuli_chr01	13843348	CC	TT	1940132327
SNP_P1_6092_13863493	NC_021160.1	Ca_kabuli_chr01	13863493	TT	CC	1940132328
SNP_P1_6093_13880117	NC_021160.1	Ca_kabuli_chr01	13880117	TT	AA	1940132329
SNP_P1_6095_13900829	NC_021160.1	Ca_kabuli_chr01	13900829	TT	CC	1940132330
SNP_P1_6096_13903021	NC_021160.1	Ca_kabuli_chr01	13903021	TT	CC	1940132331
SNP_P1_6097_13930032	NC_021160.1	Ca_kabuli_chr01	13930032	GG	AA	1940132332
SNP_P1_6098_13930258	NC_021160.1	Ca_kabuli_chr01	13930258	CC	AA	1940132333
SNP_P1_6099_13931652	NC_021160.1	Ca_kabuli_chr01	13931652	CC	AA	1940132334
SNP_P1_6100_13931656	NC_021160.1	Ca_kabuli_chr01	13931656	CC	TT	1940132335
SNP_P1_6102_13939772	NC_021160.1	Ca_kabuli_chr01	13939772	TT	CC	1940132336
SNP_P1_6103_13950046	NC_021160.1	Ca_kabuli_chr01	13950046	CC	TT	1940132337
SNP_P1_6105_13960731	NC_021160.1	Ca_kabuli_chr01	13960731	GG	AA	1940132338
SNP_P1_6106_13960994	NC_021160.1	Ca_kabuli_chr01	13960994	GG	TT	1940132339
SNP_P1_6107_13961023	NC_021160.1	Ca_kabuli_chr01	13961023	GG	AA	1940132340
SNP_P1_6108_13961089	NC_021160.1	Ca_kabuli_chr01	13961089	AA	GG	1940132341
SNP_P1_6109_13966040	NC_021160.1	Ca_kabuli_chr01	13966040	AA	GG	1940132342
SNP_P1_6110_13991104	NC_021160.1	Ca_kabuli_chr01	13991104	AA	GG	1940132343
SNP_P1_6111_14010928	NC_021160.1	Ca_kabuli_chr01	14010928	TT	CC	1940132344
SNP_P1_6112_14010931	NC_021160.1	Ca_kabuli_chr01	14010931	AA	GG	1940132345
SNP_P1_6113_14016144	NC_021160.1	Ca_kabuli_chr01	14016144	TT	CC	1940132347
SNP_P1_6114_14042372	NC_021160.1	Ca_kabuli_chr01	14042372	TT	CC	1940132348
SNP_P1_6115_14062017	NC_021160.1	Ca_kabuli_chr01	14062017	AA	GG	1940132349
SNP_P1_6116_14062022	NC_021160.1	Ca_kabuli_chr01	14062022	AA	TT	1940132350
SNP_P1_6117_14062041	NC_021160.1	Ca_kabuli_chr01	14062041	TT	CC	1940132351
SNP_P1_6120_14094129	NC_021160.1	Ca_kabuli_chr01	14094129	AA	TT	1940132352
SNP_P1_6121_14106609	NC_021160.1	Ca_kabuli_chr01	14106609	AA	TT	1940132353
SNP_P1_6122_14126072	NC_021160.1	Ca_kabuli_chr01	14126072	TT	CC	1940132354
SNP_P1_6123_14129230	NC_021160.1	Ca_kabuli_chr01	14129230	GG	AA	1940132355

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6125_14134657	NC_021160.1	Ca_kabuli_chr01	14134657	AA	CC	1940132357
SNP_P1_6128_14207015	NC_021160.1	Ca_kabuli_chr01	14207015	AA	GG	1940132358
SNP_P1_6129_14207229	NC_021160.1	Ca_kabuli_chr01	14207229	AA	TT	1940132359
SNP_P1_6130_14207358	NC_021160.1	Ca_kabuli_chr01	14207358	GG	AA	1940132360
SNP_P1_6131_14207527	NC_021160.1	Ca_kabuli_chr01	14207527	GG	AA	1940132361
SNP_P1_6132_14207562	NC_021160.1	Ca_kabuli_chr01	14207562	CC	TT	1940132362
SNP_P1_6133_14208751	NC_021160.1	Ca_kabuli_chr01	14208751	AA	GG	1940132363
SNP_P1_6134_14209671	NC_021160.1	Ca_kabuli_chr01	14209671	AA	GG	1940132364
SNP_P1_6135_14209683	NC_021160.1	Ca_kabuli_chr01	14209683	TT	AA	1940132365
SNP_P1_6136_14209762	NC_021160.1	Ca_kabuli_chr01	14209762	TT	GG	1940132366
SNP_P1_6137_14209764	NC_021160.1	Ca_kabuli_chr01	14209764	GG	AA	1940132367
SNP_P1_6138_14209774	NC_021160.1	Ca_kabuli_chr01	14209774	GG	AA	1940132368
SNP_P1_6139_14209786	NC_021160.1	Ca_kabuli_chr01	14209786	AA	GG	1940132369
SNP_P1_6140_14209806	NC_021160.1	Ca_kabuli_chr01	14209806	AA	GG	1940132371
SNP_P1_6141_14209815	NC_021160.1	Ca_kabuli_chr01	14209815	AA	GG	1940132372
SNP_P1_6142_14209821	NC_021160.1	Ca_kabuli_chr01	14209821	CC	GG	1940132373
SNP_P1_6143_14209825	NC_021160.1	Ca_kabuli_chr01	14209825	TT	GG	1940132374
SNP_P1_6144_14209840	NC_021160.1	Ca_kabuli_chr01	14209840	AA	GG	1940132375
SNP_P1_6145_14209862	NC_021160.1	Ca_kabuli_chr01	14209862	TT	AA	1940132376
SNP_P1_6146_14209890	NC_021160.1	Ca_kabuli_chr01	14209890	CC	AA	1940132377
SNP_P1_6147_14209903	NC_021160.1	Ca_kabuli_chr01	14209903	AA	GG	1940132378
SNP_P1_6148_14209905	NC_021160.1	Ca_kabuli_chr01	14209905	GG	TT	1940132379
SNP_P1_6149_14209940	NC_021160.1	Ca_kabuli_chr01	14209940	AA	TT	1940132380
SNP_P1_6150_14209943	NC_021160.1	Ca_kabuli_chr01	14209943	TT	AA	1940132381
SNP_P1_6151_14210042	NC_021160.1	Ca_kabuli_chr01	14210042	AA	CC	1940132382
SNP_P1_6152_14210121	NC_021160.1	Ca_kabuli_chr01	14210121	AA	TT	1940132383
SNP_P1_6153_14210128	NC_021160.1	Ca_kabuli_chr01	14210128	CC	TT	1940132384
SNP_P1_6154_14210192	NC_021160.1	Ca_kabuli_chr01	14210192	AA	CC	1940132385
SNP_P1_6155_14210194	NC_021160.1	Ca_kabuli_chr01	14210194	CC	TT	1940132386
SNP_P1_6156_14210195	NC_021160.1	Ca_kabuli_chr01	14210195	AA	GG	1940132387
SNP_P1_6157_14210197	NC_021160.1	Ca_kabuli_chr01	14210197	AA	GG	1940132388
SNP_P1_6158_14210206	NC_021160.1	Ca_kabuli_chr01	14210206	GG	AA	1940132389
SNP_P1_6159_14210210	NC_021160.1	Ca_kabuli_chr01	14210210	CC	GG	1940132390
SNP_P1_6160_14210224	NC_021160.1	Ca_kabuli_chr01	14210224	AA	TT	1940132391
SNP_P1_6161_14210227	NC_021160.1	Ca_kabuli_chr01	14210227	TT	CC	1940132392
SNP_P1_6162_14210278	NC_021160.1	Ca_kabuli_chr01	14210278	CC	TT	1940132393
SNP_P1_6163_14211713	NC_021160.1	Ca_kabuli_chr01	14211713	CC	TT	1940132394
SNP_P1_6164_14221104	NC_021160.1	Ca_kabuli_chr01	14221104	TT	CC	1940132395
SNP_P1_6165_14221138	NC_021160.1	Ca_kabuli_chr01	14221138	GG	AA	1940132396
SNP_P1_6166_14230626	NC_021160.1	Ca_kabuli_chr01	14230626	CC	TT	1940132397
SNP_P1_6167_14279875	NC_021160.1	Ca_kabuli_chr01	14279875	GG	TT	1940132398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6170_14339192	NC_021160.1	Ca_kabuli_chr01	14339192	TT	GG	1940132400
SNP_P1_6171_14382272	NC_021160.1	Ca_kabuli_chr01	14382272	CC	TT	1940132401
SNP_P1_6172_14382276	NC_021160.1	Ca_kabuli_chr01	14382276	GG	TT	1940132402
SNP_P1_6173_14382327	NC_021160.1	Ca_kabuli_chr01	14382327	GG	AA	1940132403
SNP_P1_6174_14382367	NC_021160.1	Ca_kabuli_chr01	14382367	TT	CC	1940132404
SNP_P1_6175_14382370	NC_021160.1	Ca_kabuli_chr01	14382370	TT	CC	1940132405
SNP_P1_6176_14382402	NC_021160.1	Ca_kabuli_chr01	14382402	CC	TT	1940132407
SNP_P1_6177_14382606	NC_021160.1	Ca_kabuli_chr01	14382606	GG	AA	1940132408
SNP_P1_6178_14382659	NC_021160.1	Ca_kabuli_chr01	14382659	CC	TT	1940132409
SNP_P1_6181_14414153	NC_021160.1	Ca_kabuli_chr01	14414153	TT	CC	1940132410
SNP_P1_6183_14471331	NC_021160.1	Ca_kabuli_chr01	14471331	AA	GG	1940132411
SNP_P1_6184_14483788	NC_021160.1	Ca_kabuli_chr01	14483788	TT	GG	1940132412
SNP_P1_6186_14542153	NC_021160.1	Ca_kabuli_chr01	14542153	GG	TT	1940132413
SNP_P1_6187_14543369	NC_021160.1	Ca_kabuli_chr01	14543369	TT	AA	1940132414
SNP_P1_6188_14559095	NC_021160.1	Ca_kabuli_chr01	14559095	CC	TT	1940132415
SNP_P1_6189_14681925	NC_021160.1	Ca_kabuli_chr01	14681925	CC	AA	1940132416
SNP_P1_6191_14709638	NC_021160.1	Ca_kabuli_chr01	14709638	TT	AA	1940132417
SNP_P1_6192_14767582	NC_021160.1	Ca_kabuli_chr01	14767582	TT	CC	1940132418
SNP_P1_6194_14780246	NC_021160.1	Ca_kabuli_chr01	14780246	AA	GG	1940132419
SNP_P1_6195_14797462	NC_021160.1	Ca_kabuli_chr01	14797462	CC	TT	1940132420
SNP_P1_6197_14842803	NC_021160.1	Ca_kabuli_chr01	14842803	AA	CC	1940132421
SNP_P1_6198_14843027	NC_021160.1	Ca_kabuli_chr01	14843027	TT	AA	1940132422
SNP_P1_6199_14843648	NC_021160.1	Ca_kabuli_chr01	14843648	AA	GG	1940132423
SNP_P1_6200_14843718	NC_021160.1	Ca_kabuli_chr01	14843718	CC	AA	1940132424
SNP_P1_6201_14866741	NC_021160.1	Ca_kabuli_chr01	14866741	AA	GG	1940132425
SNP_P1_6202_14891375	NC_021160.1	Ca_kabuli_chr01	14891375	TT	GG	1940132426
SNP_P1_6204_14928311	NC_021160.1	Ca_kabuli_chr01	14928311	CC	TT	1940132427
SNP_P1_6206_14974631	NC_021160.1	Ca_kabuli_chr01	14974631	AA	CC	1940132428
SNP_P1_6207_14991023	NC_021160.1	Ca_kabuli_chr01	14991023	AA	GG	1940132429
SNP_P1_6208_14995683	NC_021160.1	Ca_kabuli_chr01	14995683	TT	GG	1940132430
SNP_P1_6210_14996172	NC_021160.1	Ca_kabuli_chr01	14996172	GG	TT	1940132431
SNP_P1_6211_15031800	NC_021160.1	Ca_kabuli_chr01	15031800	GG	AA	1940132432
SNP_P1_6212_15037287	NC_021160.1	Ca_kabuli_chr01	15037287	CC	TT	1940132433
SNP_P1_6214_15045720	NC_021160.1	Ca_kabuli_chr01	15045720	GG	AA	1940132434
SNP_P1_6215_15051243	NC_021160.1	Ca_kabuli_chr01	15051243	TT	CC	1940132435
SNP_P1_6217_15065685	NC_021160.1	Ca_kabuli_chr01	15065685	AA	CC	1940132436
SNP_P1_6218_15065805	NC_021160.1	Ca_kabuli_chr01	15065805	AA	TT	1940132437
SNP_P1_6219_15065815	NC_021160.1	Ca_kabuli_chr01	15065815	CC	TT	1940132438
SNP_P1_6220_15065859	NC_021160.1	Ca_kabuli_chr01	15065859	TT	AA	1940132439
SNP_P1_6221_15065889	NC_021160.1	Ca_kabuli_chr01	15065889	CC	TT	1940132440
SNP_P1_6222_15065907	NC_021160.1	Ca_kabuli_chr01	15065907	AA	TT	1940132441

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_6223_15065921	NC_021160.1	Ca_kabuli_chr01	15065921	CC	TT	1940132442
SNP_P1_6224_15066012	NC_021160.1	Ca_kabuli_chr01	15066012	AA	CC	1940132443
SNP_P1_6225_15066147	NC_021160.1	Ca_kabuli_chr01	15066147	CC	AA	1940132444
SNP_P1_6226_15134841	NC_021160.1	Ca_kabuli_chr01	15134841	AA	GG	1940132445
SNP_P1_6227_15134847	NC_021160.1	Ca_kabuli_chr01	15134847	CC	AA	1940132447
SNP_P1_6228_15134848	NC_021160.1	Ca_kabuli_chr01	15134848	AA	GG	1940132448
SNP_P1_6229_15142156	NC_021160.1	Ca_kabuli_chr01	15142156	TT	CC	1940132449
SNP_P1_6230_15143969	NC_021160.1	Ca_kabuli_chr01	15143969	TT	CC	1940132450
SNP_P1_6232_15189249	NC_021160.1	Ca_kabuli_chr01	15189249	TT	AA	1940132451
SNP_P1_6233_15245564	NC_021160.1	Ca_kabuli_chr01	15245564	TT	CC	1940132452
SNP_P1_6234_15245605	NC_021160.1	Ca_kabuli_chr01	15245605	CC	AA	1940132453
SNP_P1_6235_15245633	NC_021160.1	Ca_kabuli_chr01	15245633	AA	GG	1940132454
SNP_P1_6236_15247299	NC_021160.1	Ca_kabuli_chr01	15247299	TT	CC	1940132455
SNP_P1_6237_15247304	NC_021160.1	Ca_kabuli_chr01	15247304	AA	GG	1940132456
SNP_P1_6238_15247352	NC_021160.1	Ca_kabuli_chr01	15247352	AA	CC	1940132457
SNP_P1_6239_15247385	NC_021160.1	Ca_kabuli_chr01	15247385	GG	AA	1940132458
SNP_P1_6240_15247732	NC_021160.1	Ca_kabuli_chr01	15247732	AA	TT	1940132459
SNP_P1_6241_15247807	NC_021160.1	Ca_kabuli_chr01	15247807	TT	CC	1940132460
SNP_P1_6242_15247820	NC_021160.1	Ca_kabuli_chr01	15247820	GG	AA	1940132461
SNP_P1_6243_15251856	NC_021160.1	Ca_kabuli_chr01	15251856	TT	CC	1940132462
SNP_P1_6244_15277853	NC_021160.1	Ca_kabuli_chr01	15277853	AA	TT	1940132463
SNP_P1_6245_15298459	NC_021160.1	Ca_kabuli_chr01	15298459	CC	TT	1940132464
SNP_P1_6247_15357360	NC_021160.1	Ca_kabuli_chr01	15357360	CC	AA	1940132465
SNP_P1_6248_15357785	NC_021160.1	Ca_kabuli_chr01	15357785	CC	TT	1940132466
SNP_P1_6249_15357999	NC_021160.1	Ca_kabuli_chr01	15357999	GG	TT	1940132467
SNP_P1_6250_15379687	NC_021160.1	Ca_kabuli_chr01	15379687	AA	GG	1940132468
SNP_P1_6252_15396678	NC_021160.1	Ca_kabuli_chr01	15396678	AA	GG	1940132469
SNP_P1_6253_15404820	NC_021160.1	Ca_kabuli_chr01	15404820	AA	CC	1940132470
SNP_P1_6255_15449971	NC_021160.1	Ca_kabuli_chr01	15449971	AA	GG	1940132471
SNP_P1_6256_15453335	NC_021160.1	Ca_kabuli_chr01	15453335	TT	AA	1940132472
SNP_P1_6257_15459623	NC_021160.1	Ca_kabuli_chr01	15459623	AA	GG	1940132473
SNP_P1_6258_15466176	NC_021160.1	Ca_kabuli_chr01	15466176	TT	CC	1940132474
SNP_P1_6259_15466179	NC_021160.1	Ca_kabuli_chr01	15466179	TT	CC	1940132476
SNP_P1_6260_15468523	NC_021160.1	Ca_kabuli_chr01	15468523	CC	TT	1940132477
SNP_P1_6261_15476242	NC_021160.1	Ca_kabuli_chr01	15476242	GG	CC	1940132478
SNP_P1_6262_15483490	NC_021160.1	Ca_kabuli_chr01	15483490	TT	AA	1940132479
SNP_P1_6263_15483491	NC_021160.1	Ca_kabuli_chr01	15483491	CC	GG	1940132480
SNP_P1_6264_15508536	NC_021160.1	Ca_kabuli_chr01	15508536	TT	CC	1940132481
SNP_P1_6265_15544561	NC_021160.1	Ca_kabuli_chr01	15544561	AA	GG	1940132482
SNP_P1_6266_15572467	NC_021160.1	Ca_kabuli_chr01	15572467	TT	CC	1940132483
SNP_P1_6267_15572488	NC_021160.1	Ca_kabuli_chr01	15572488	CC	TT	1940132484
SNP_P1_6268_15572506	NC_021160.1	Ca_kabuli_chr01	15572506	TT	CC	1940132485

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_6269_15576245	NC_021160.1	Ca_kabuli_chr01	15576245	GG	AA	1940132486
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SNP_P1_6271_15609862	NC_021160.1	Ca_kabuli_chr01	15609862	AA	CC	1940132488
SNP_P1_6273_15615459	NC_021160.1	Ca_kabuli_chr01	15615459	GG	AA	1940132489
SNP_P1_6274_15618937	NC_021160.1	Ca_kabuli_chr01	15618937	TT	AA	1940132490
SNP_P1_6275_15618946	NC_021160.1	Ca_kabuli_chr01	15618946	AA	TT	1940132491
SNP_P1_6277_15651074	NC_021160.1	Ca_kabuli_chr01	15651074	TT	CC	1940132492
SNP_P1_6278_15657090	NC_021160.1	Ca_kabuli_chr01	15657090	CC	TT	1940132493
SNP_P1_6279_15659500	NC_021160.1	Ca_kabuli_chr01	15659500	TT	CC	1940132494
SNP_P1_6280_15660067	NC_021160.1	Ca_kabuli_chr01	15660067	CC	TT	1940132495
SNP_P1_6281_15667133	NC_021160.1	Ca_kabuli_chr01	15667133	GG	AA	1940132496
SNP_P1_6282_15667232	NC_021160.1	Ca_kabuli_chr01	15667232	GG	AA	1940132497
SNP_P1_6283_15667234	NC_021160.1	Ca_kabuli_chr01	15667234	AA	GG	1940132498
SNP_P1_6284_15667301	NC_021160.1	Ca_kabuli_chr01	15667301	CC	TT	1940132499
SNP_P1_6285_15667428	NC_021160.1	Ca_kabuli_chr01	15667428	TT	CC	1940132500
SNP_P1_6286_15667445	NC_021160.1	Ca_kabuli_chr01	15667445	GG	AA	1940132501
SNP_P1_6287_15667468	NC_021160.1	Ca_kabuli_chr01	15667468	TT	AA	1940132502
SNP_P1_6289_15667528	NC_021160.1	Ca_kabuli_chr01	15667528	AA	CC	1940132503
SNP_P1_6290_15667544	NC_021160.1	Ca_kabuli_chr01	15667544	AA	GG	1940132504
SNP_P1_6291_15667651	NC_021160.1	Ca_kabuli_chr01	15667651	CC	TT	1940132505
SNP_P1_6292_15667668	NC_021160.1	Ca_kabuli_chr01	15667668	TT	GG	1940132506
SNP_P1_6293_15667808	NC_021160.1	Ca_kabuli_chr01	15667808	TT	CC	1940132507
SNP_P1_6294_15667844	NC_021160.1	Ca_kabuli_chr01	15667844	CC	TT	1940132508
SNP_P1_6295_15672190	NC_021160.1	Ca_kabuli_chr01	15672190	TT	GG	1940132509
SNP_P1_6296_15686475	NC_021160.1	Ca_kabuli_chr01	15686475	AA	TT	1940132510
SNP_P1_6297_15686482	NC_021160.1	Ca_kabuli_chr01	15686482	AA	GG	1940132511
SNP_P1_6298_15686505	NC_021160.1	Ca_kabuli_chr01	15686505	TT	CC	1940132512
SNP_P1_6299_15686528	NC_021160.1	Ca_kabuli_chr01	15686528	GG	TT	1940132513
SNP_P1_6300_15697413	NC_021160.1	Ca_kabuli_chr01	15697413	AA	TT	1940132514
SNP_P1_6301_15700246	NC_021160.1	Ca_kabuli_chr01	15700246	TT	CC	1940132515
SNP_P1_6302_15714932	NC_021160.1	Ca_kabuli_chr01	15714932	GG	AA	1940132516
SNP_P1_6303_15714934	NC_021160.1	Ca_kabuli_chr01	15714934	GG	AA	1940132517
SNP_P1_6304_15716138	NC_021160.1	Ca_kabuli_chr01	15716138	AA	GG	1940132519
SNP_P1_6305_15716165	NC_021160.1	Ca_kabuli_chr01	15716165	AA	CC	1940132520
SNP_P1_6306_15716166	NC_021160.1	Ca_kabuli_chr01	15716166	TT	CC	1940132521
SNP_P1_6307_15720191	NC_021160.1	Ca_kabuli_chr01	15720191	GG	AA	1940132522
SNP_P1_6308_15724508	NC_021160.1	Ca_kabuli_chr01	15724508	AA	GG	1940132523
SNP_P1_6309_15773224	NC_021160.1	Ca_kabuli_chr01	15773224	TT	AA	1940132524
SNP_P1_6310_15773225	NC_021160.1	Ca_kabuli_chr01	15773225	CC	AA	1940132525
SNP_P1_6311_15778080	NC_021160.1	Ca_kabuli_chr01	15778080	GG	AA	1940132526
SNP_P1_6312_15805088	NC_021160.1	Ca_kabuli_chr01	15805088	GG	AA	1940132527
SNP_P1_6313_15805306	NC_021160.1	Ca_kabuli_chr01	15805306	TT	CC	1940132528

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6315_15811358	NC_021160.1	Ca_kabuli_chr01	15811358	AA	GG	1940132530
SNP_P1_6317_15814920	NC_021160.1	Ca_kabuli_chr01	15814920	TT	CC	1940132531
SNP_P1_6319_15821184	NC_021160.1	Ca_kabuli_chr01	15821184	CC	TT	1940132532
SNP_P1_6320_15821213	NC_021160.1	Ca_kabuli_chr01	15821213	TT	CC	1940132533
SNP_P1_6321_15821231	NC_021160.1	Ca_kabuli_chr01	15821231	GG	AA	1940132534
SNP_P1_6322_15827531	NC_021160.1	Ca_kabuli_chr01	15827531	CC	AA	1940132535
SNP_P1_6324_15840121	NC_021160.1	Ca_kabuli_chr01	15840121	AA	TT	1940132536
SNP_P1_6325_15848457	NC_021160.1	Ca_kabuli_chr01	15848457	TT	CC	1940132537
SNP_P1_6326_15848552	NC_021160.1	Ca_kabuli_chr01	15848552	AA	GG	1940132538
SNP_P1_6329_15851675	NC_021160.1	Ca_kabuli_chr01	15851675	GG	AA	1940132539
SNP_P1_6331_15864552	NC_021160.1	Ca_kabuli_chr01	15864552	TT	CC	1940132540
SNP_P1_6333_15865911	NC_021160.1	Ca_kabuli_chr01	15865911	TT	AA	1940132541
SNP_P1_6334_15871782	NC_021160.1	Ca_kabuli_chr01	15871782	TT	GG	1940132542
SNP_P1_6335_15872521	NC_021160.1	Ca_kabuli_chr01	15872521	CC	GG	1940132543
SNP_P1_6336_15874524	NC_021160.1	Ca_kabuli_chr01	15874524	TT	CC	1940132544
SNP_P1_6337_15874575	NC_021160.1	Ca_kabuli_chr01	15874575	CC	TT	1940132545
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SNP_P1_6339_15876582	NC_021160.1	Ca_kabuli_chr01	15876582	TT	AA	1940132547
SNP_P1_6341_15897879	NC_021160.1	Ca_kabuli_chr01	15897879	GG	AA	1940132548
SNP_P1_6342_15920238	NC_021160.1	Ca_kabuli_chr01	15920238	CC	TT	1940132549
SNP_P1_6343_15929229	NC_021160.1	Ca_kabuli_chr01	15929229	AA	GG	1940132550
SNP_P1_6345_15947228	NC_021160.1	Ca_kabuli_chr01	15947228	TT	GG	1940132551
SNP_P1_6346_15947794	NC_021160.1	Ca_kabuli_chr01	15947794	GG	AA	1940132552
SNP_P1_6348_15953620	NC_021160.1	Ca_kabuli_chr01	15953620	AA	TT	1940132553
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SNP_P1_6351_15975977	NC_021160.1	Ca_kabuli_chr01	15975977	TT	CC	1940132556
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SNP_P1_6354_16033434	NC_021160.1	Ca_kabuli_chr01	16033434	AA	TT	1940132558
SNP_P1_6355_16044834	NC_021160.1	Ca_kabuli_chr01	16044834	AA	CC	1940132559
SNP_P1_6356_16047658	NC_021160.1	Ca_kabuli_chr01	16047658	GG	CC	1940132560
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SNP_P1_6358_16054760	NC_021160.1	Ca_kabuli_chr01	16054760	GG	TT	1940132563
SNP_P1_6359_16057387	NC_021160.1	Ca_kabuli_chr01	16057387	TT	CC	1940132564
SNP_P1_6360_16064332	NC_021160.1	Ca_kabuli_chr01	16064332	TT	CC	1940132565
SNP_P1_6361_16064334	NC_021160.1	Ca_kabuli_chr01	16064334	TT	GG	1940132566
SNP_P1_6362_16067985	NC_021160.1	Ca_kabuli_chr01	16067985	TT	CC	1940132567
SNP_P1_6363_16069181	NC_021160.1	Ca_kabuli_chr01	16069181	CC	AA	1940132568
SNP_P1_6364_16070616	NC_021160.1	Ca_kabuli_chr01	16070616	AA	GG	1940132569
SNP_P1_6366_16085141	NC_021160.1	Ca_kabuli_chr01	16085141	CC	TT	1940132570
SNP_P1_6367_16085438	NC_021160.1	Ca_kabuli_chr01	16085438	TT	GG	1940132571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6370_16086548	NC_021160.1	Ca_kabuli_chr01	16086548	TT	CC	1940132574
SNP_P1_6371_16087033	NC_021160.1	Ca_kabuli_chr01	16087033	AA	GG	1940132575
SNP_P1_6372_16087383	NC_021160.1	Ca_kabuli_chr01	16087383	TT	AA	1940132576
SNP_P1_6374_16089977	NC_021160.1	Ca_kabuli_chr01	16089977	GG	AA	1940132577
SNP_P1_6375_16090013	NC_021160.1	Ca_kabuli_chr01	16090013	CC	TT	1940132578
SNP_P1_6376_16090134	NC_021160.1	Ca_kabuli_chr01	16090134	CC	TT	1940132579
SNP_P1_6377_16090187	NC_021160.1	Ca_kabuli_chr01	16090187	CC	TT	1940132580
SNP_P1_6378_16090395	NC_021160.1	Ca_kabuli_chr01	16090395	AA	CC	1940132581
SNP_P1_6379_16090980	NC_021160.1	Ca_kabuli_chr01	16090980	CC	TT	1940132582
SNP_P1_6380_16091001	NC_021160.1	Ca_kabuli_chr01	16091001	TT	AA	1940132583
SNP_P1_6381_16091840	NC_021160.1	Ca_kabuli_chr01	16091840	AA	GG	1940132584
SNP_P1_6382_16092120	NC_021160.1	Ca_kabuli_chr01	16092120	CC	GG	1940132585
SNP_P1_6384_16092562	NC_021160.1	Ca_kabuli_chr01	16092562	AA	CC	1940132586
SNP_P1_6385_16092575	NC_021160.1	Ca_kabuli_chr01	16092575	AA	GG	1940132587
SNP_P1_6386_16092581	NC_021160.1	Ca_kabuli_chr01	16092581	GG	AA	1940132588
SNP_P1_6387_16092595	NC_021160.1	Ca_kabuli_chr01	16092595	CC	AA	1940132589
SNP_P1_6388_16092638	NC_021160.1	Ca_kabuli_chr01	16092638	GG	AA	1940132590
SNP_P1_6389_16092672	NC_021160.1	Ca_kabuli_chr01	16092672	CC	TT	1940132591
SNP_P1_6390_16092679	NC_021160.1	Ca_kabuli_chr01	16092679	GG	AA	1940132592
SNP_P1_6391_16092726	NC_021160.1	Ca_kabuli_chr01	16092726	AA	GG	1940132593
SNP_P1_6392_16095649	NC_021160.1	Ca_kabuli_chr01	16095649	TT	AA	1940132594
SNP_P1_6393_16096034	NC_021160.1	Ca_kabuli_chr01	16096034	GG	AA	1940132595
SNP_P1_6396_16097168	NC_021160.1	Ca_kabuli_chr01	16097168	CC	AA	1940132596
SNP_P1_6397_16105495	NC_021160.1	Ca_kabuli_chr01	16105495	CC	TT	1940132597
SNP_P1_6398_16105504	NC_021160.1	Ca_kabuli_chr01	16105504	TT	CC	1940132598
SNP_P1_6399_16105519	NC_021160.1	Ca_kabuli_chr01	16105519	AA	TT	1940132599
SNP_P1_6400_16105536	NC_021160.1	Ca_kabuli_chr01	16105536	AA	GG	1940132600
SNP_P1_6401_16105713	NC_021160.1	Ca_kabuli_chr01	16105713	GG	AA	1940132601
SNP_P1_6402_16105759	NC_021160.1	Ca_kabuli_chr01	16105759	GG	CC	1940132602
SNP_P1_6403_16105780	NC_021160.1	Ca_kabuli_chr01	16105780	CC	AA	1940132604
SNP_P1_6404_16105861	NC_021160.1	Ca_kabuli_chr01	16105861	CC	GG	1940132605
SNP_P1_6405_16106056	NC_021160.1	Ca_kabuli_chr01	16106056	TT	CC	1940132606
SNP_P1_6406_16106311	NC_021160.1	Ca_kabuli_chr01	16106311	GG	AA	1940132607
SNP_P1_6407_16106432	NC_021160.1	Ca_kabuli_chr01	16106432	GG	TT	1940132608
SNP_P1_6408_16106447	NC_021160.1	Ca_kabuli_chr01	16106447	GG	TT	1940132609
SNP_P1_6411_16107649	NC_021160.1	Ca_kabuli_chr01	16107649	AA	TT	1940132610
SNP_P1_6412_16107694	NC_021160.1	Ca_kabuli_chr01	16107694	CC	TT	1940132611
SNP_P1_6413_16108319	NC_021160.1	Ca_kabuli_chr01	16108319	GG	AA	1940132612
SNP_P1_6415_16108456	NC_021160.1	Ca_kabuli_chr01	16108456	AA	TT	1940132613
SNP_P1_6416_16108775	NC_021160.1	Ca_kabuli_chr01	16108775	AA	GG	1940132614

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6420_16111167	NC_021160.1	Ca_kabuli_chr01	16111167	AA	GG	1940132617
SNP_P1_6421_16111212	NC_021160.1	Ca_kabuli_chr01	16111212	AA	CC	1940132618
SNP_P1_6422_16111352	NC_021160.1	Ca_kabuli_chr01	16111352	TT	GG	1940132619
SNP_P1_6423_16111358	NC_021160.1	Ca_kabuli_chr01	16111358	TT	AA	1940132620
SNP_P1_6424_16111359	NC_021160.1	Ca_kabuli_chr01	16111359	TT	AA	1940132621
SNP_P1_6425_16111371	NC_021160.1	Ca_kabuli_chr01	16111371	CC	AA	1940132622
SNP_P1_6426_16111385	NC_021160.1	Ca_kabuli_chr01	16111385	AA	CC	1940132623
SNP_P1_6427_16111703	NC_021160.1	Ca_kabuli_chr01	16111703	CC	TT	1940132624
SNP_P1_6428_16111907	NC_021160.1	Ca_kabuli_chr01	16111907	AA	GG	1940132625
SNP_P1_6429_16111973	NC_021160.1	Ca_kabuli_chr01	16111973	AA	GG	1940132626
SNP_P1_6430_16112871	NC_021160.1	Ca_kabuli_chr01	16112871	GG	CC	1940132627
SNP_P1_6431_16113126	NC_021160.1	Ca_kabuli_chr01	16113126	TT	GG	1940132628
SNP_P1_6432_16113135	NC_021160.1	Ca_kabuli_chr01	16113135	CC	TT	1940132629
SNP_P1_6433_16113140	NC_021160.1	Ca_kabuli_chr01	16113140	CC	TT	1940132630
SNP_P1_6434_16113229	NC_021160.1	Ca_kabuli_chr01	16113229	TT	AA	1940132631
SNP_P1_6435_16113236	NC_021160.1	Ca_kabuli_chr01	16113236	CC	TT	1940132633
SNP_P1_6436_16113277	NC_021160.1	Ca_kabuli_chr01	16113277	GG	AA	1940132634
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SNP_P1_6438_16115126	NC_021160.1	Ca_kabuli_chr01	16115126	AA	TT	1940132636
SNP_P1_6439_16115132	NC_021160.1	Ca_kabuli_chr01	16115132	CC	AA	1940132637
SNP_P1_6440_16115144	NC_021160.1	Ca_kabuli_chr01	16115144	TT	CC	1940132638
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SNP_P1_6442_16115900	NC_021160.1	Ca_kabuli_chr01	16115900	AA	TT	1940132640
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SNP_P1_6446_16116341	NC_021160.1	Ca_kabuli_chr01	16116341	AA	GG	1940132643
SNP_P1_6447_16116422	NC_021160.1	Ca_kabuli_chr01	16116422	GG	AA	1940132644
SNP_P1_6449_16116445	NC_021160.1	Ca_kabuli_chr01	16116445	TT	CC	1940132645
SNP_P1_6450_16116643	NC_021160.1	Ca_kabuli_chr01	16116643	GG	AA	1940132646
SNP_P1_6451_16116734	NC_021160.1	Ca_kabuli_chr01	16116734	CC	TT	1940132647
SNP_P1_6452_16117986	NC_021160.1	Ca_kabuli_chr01	16117986	CC	TT	1940132648
SNP_P1_6453_16118148	NC_021160.1	Ca_kabuli_chr01	16118148	TT	CC	1940132650
SNP_P1_6454_16118151	NC_021160.1	Ca_kabuli_chr01	16118151	GG	TT	1940132651
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SNP_P1_6457_16118418	NC_021160.1	Ca_kabuli_chr01	16118418	CC	TT	1940132653
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SNP_P1_6459_16119051	NC_021160.1	Ca_kabuli_chr01	16119051	CC	TT	1940132655
SNP_P1_6460_16119087	NC_021160.1	Ca_kabuli_chr01	16119087	TT	GG	1940132656
SNP_P1_6461_16120203	NC_021160.1	Ca_kabuli_chr01	16120203	CC	TT	1940132657
SNP_P1_6462_16120540	NC_021160.1	Ca_kabuli_chr01	16120540	AA	GG	1940132658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6465_16122161	NC_021160.1	Ca_kabuli_chr01	16122161	TT	CC	1940132661
SNP_P1_6466_16134109	NC_021160.1	Ca_kabuli_chr01	16134109	CC	AA	1940132662
SNP_P1_6467_16134131	NC_021160.1	Ca_kabuli_chr01	16134131	CC	TT	1940132663
SNP_P1_6468_16134718	NC_021160.1	Ca_kabuli_chr01	16134718	AA	GG	1940132664
SNP_P1_6469_16137243	NC_021160.1	Ca_kabuli_chr01	16137243	TT	CC	1940132665
SNP_P1_6470_16144778	NC_021160.1	Ca_kabuli_chr01	16144778	TT	AA	1940132667
SNP_P1_6471_16145206	NC_021160.1	Ca_kabuli_chr01	16145206	CC	TT	1940132668
SNP_P1_6473_16145375	NC_021160.1	Ca_kabuli_chr01	16145375	TT	AA	1940132669
SNP_P1_6474_16145598	NC_021160.1	Ca_kabuli_chr01	16145598	TT	CC	1940132670
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SNP_P1_6476_16154431	NC_021160.1	Ca_kabuli_chr01	16154431	AA	TT	1940132672
SNP_P1_6477_16154785	NC_021160.1	Ca_kabuli_chr01	16154785	AA	GG	1940132673
SNP_P1_6478_16154946	NC_021160.1	Ca_kabuli_chr01	16154946	AA	GG	1940132674
SNP_P1_6479_16154992	NC_021160.1	Ca_kabuli_chr01	16154992	TT	CC	1940132675
SNP_P1_6480_16155141	NC_021160.1	Ca_kabuli_chr01	16155141	AA	GG	1940132676
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SNP_P1_6485_16156033	NC_021160.1	Ca_kabuli_chr01	16156033	AA	CC	1940132679
SNP_P1_6486_16156044	NC_021160.1	Ca_kabuli_chr01	16156044	GG	CC	1940132680
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SNP_P1_6488_16156069	NC_021160.1	Ca_kabuli_chr01	16156069	TT	GG	1940132682
SNP_P1_6489_16156118	NC_021160.1	Ca_kabuli_chr01	16156118	TT	GG	1940132683
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SNP_P1_6493_16157943	NC_021160.1	Ca_kabuli_chr01	16157943	TT	AA	1940132687
SNP_P1_6494_16158334	NC_021160.1	Ca_kabuli_chr01	16158334	TT	CC	1940132688
SNP_P1_6497_16158793	NC_021160.1	Ca_kabuli_chr01	16158793	AA	TT	1940132689
SNP_P1_6499_16159707	NC_021160.1	Ca_kabuli_chr01	16159707	GG	AA	1940132690
SNP_P1_6500_16159938	NC_021160.1	Ca_kabuli_chr01	16159938	TT	CC	1940132691
SNP_P1_6501_16159949	NC_021160.1	Ca_kabuli_chr01	16159949	GG	AA	1940132692
SNP_P1_6504_16160861	NC_021160.1	Ca_kabuli_chr01	16160861	AA	TT	1940132693
SNP_P1_6506_16162073	NC_021160.1	Ca_kabuli_chr01	16162073	TT	GG	1940132695
SNP_P1_6507_16162086	NC_021160.1	Ca_kabuli_chr01	16162086	TT	AA	1940132696
SNP_P1_6508_16162087	NC_021160.1	Ca_kabuli_chr01	16162087	AA	CC	1940132697
SNP_P1_6509_16162096	NC_021160.1	Ca_kabuli_chr01	16162096	GG	AA	1940132698
SNP_P1_6510_16162251	NC_021160.1	Ca_kabuli_chr01	16162251	GG	AA	1940132699
SNP_P1_6511_16162310	NC_021160.1	Ca_kabuli_chr01	16162310	GG	TT	1940132700
SNP_P1_6513_16162536	NC_021160.1	Ca_kabuli_chr01	16162536	GG	CC	1940132701
SNP_P1_6514_16162541	NC_021160.1	Ca_kabuli_chr01	16162541	GG	AA	1940132702

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6516_16164096	NC_021160.1	Ca_kabuli_chr01	16164096	AA	CC	1940132704
SNP_P1_6517_16164200	NC_021160.1	Ca_kabuli_chr01	16164200	CC	TT	1940132705
SNP_P1_6518_16164226	NC_021160.1	Ca_kabuli_chr01	16164226	TT	AA	1940132706
SNP_P1_6520_16165159	NC_021160.1	Ca_kabuli_chr01	16165159	AA	CC	1940132708
SNP_P1_6521_16165833	NC_021160.1	Ca_kabuli_chr01	16165833	TT	GG	1940132709
SNP_P1_6522_16165834	NC_021160.1	Ca_kabuli_chr01	16165834	TT	AA	1940132710
SNP_P1_6523_16165841	NC_021160.1	Ca_kabuli_chr01	16165841	GG	AA	1940132711
SNP_P1_6524_16166615	NC_021160.1	Ca_kabuli_chr01	16166615	CC	TT	1940132712
SNP_P1_6525_16166802	NC_021160.1	Ca_kabuli_chr01	16166802	TT	CC	1940132713
SNP_P1_6526_16166835	NC_021160.1	Ca_kabuli_chr01	16166835	CC	TT	1940132714
SNP_P1_6528_16166913	NC_021160.1	Ca_kabuli_chr01	16166913	TT	GG	1940132715
SNP_P1_6529_16166919	NC_021160.1	Ca_kabuli_chr01	16166919	AA	GG	1940132716
SNP_P1_6531_16167158	NC_021160.1	Ca_kabuli_chr01	16167158	TT	AA	1940132717
SNP_P1_6532_16167552	NC_021160.1	Ca_kabuli_chr01	16167552	CC	TT	1940132718
SNP_P1_6533_16168682	NC_021160.1	Ca_kabuli_chr01	16168682	AA	GG	1940132719
SNP_P1_6534_16170928	NC_021160.1	Ca_kabuli_chr01	16170928	CC	TT	1940132720
SNP_P1_6535_16171692	NC_021160.1	Ca_kabuli_chr01	16171692	AA	GG	1940132721
SNP_P1_6536_16171696	NC_021160.1	Ca_kabuli_chr01	16171696	CC	TT	1940132722
SNP_P1_6537_16171713	NC_021160.1	Ca_kabuli_chr01	16171713	GG	AA	1940132723
SNP_P1_6538_16172373	NC_021160.1	Ca_kabuli_chr01	16172373	CC	TT	1940132724
SNP_P1_6539_16172395	NC_021160.1	Ca_kabuli_chr01	16172395	AA	GG	1940132725
SNP_P1_6540_16172433	NC_021160.1	Ca_kabuli_chr01	16172433	CC	GG	1940132726
SNP_P1_6541_16172456	NC_021160.1	Ca_kabuli_chr01	16172456	GG	AA	1940132727
SNP_P1_6542_16172662	NC_021160.1	Ca_kabuli_chr01	16172662	AA	GG	1940132728
SNP_P1_6543_16172667	NC_021160.1	Ca_kabuli_chr01	16172667	AA	CC	1940132729
SNP_P1_6544_16172670	NC_021160.1	Ca_kabuli_chr01	16172670	AA	CC	1940132730
SNP_P1_6545_16172678	NC_021160.1	Ca_kabuli_chr01	16172678	TT	CC	1940132731
SNP_P1_6546_16172770	NC_021160.1	Ca_kabuli_chr01	16172770	CC	TT	1940132732
SNP_P1_6547_16173342	NC_021160.1	Ca_kabuli_chr01	16173342	TT	CC	1940132733
SNP_P1_6548_16173355	NC_021160.1	Ca_kabuli_chr01	16173355	CC	TT	1940132734
SNP_P1_6549_16173362	NC_021160.1	Ca_kabuli_chr01	16173362	GG	AA	1940132735
SNP_P1_6550_16173399	NC_021160.1	Ca_kabuli_chr01	16173399	AA	GG	1940132736
SNP_P1_6551_16173410	NC_021160.1	Ca_kabuli_chr01	16173410	AA	CC	1940132737
SNP_P1_6552_16173431	NC_021160.1	Ca_kabuli_chr01	16173431	CC	AA	1940132738
SNP_P1_6553_16173600	NC_021160.1	Ca_kabuli_chr01	16173600	CC	TT	1940132739
SNP_P1_6554_16173613	NC_021160.1	Ca_kabuli_chr01	16173613	TT	CC	1940132740
SNP_P1_6555_16173622	NC_021160.1	Ca_kabuli_chr01	16173622	GG	AA	1940132741
SNP_P1_6556_16173631	NC_021160.1	Ca_kabuli_chr01	16173631	TT	CC	1940132742
SNP_P1_6557_16173659	NC_021160.1	Ca_kabuli_chr01	16173659	TT	AA	1940132743
SNP_P1_6558_16173692	NC_021160.1	Ca_kabuli_chr01	16173692	CC	GG	1940132744
SNP_P1_6559_16173741	NC_021160.1	Ca_kabuli_chr01	16173741	AA	CC	1940132745

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6561_16173926	NC_021160.1	Ca_kabuli_chr01	16173926	AA	TT	1940132747
SNP_P1_6562_16174304	NC_021160.1	Ca_kabuli_chr01	16174304	TT	CC	1940132749
SNP_P1_6563_16174345	NC_021160.1	Ca_kabuli_chr01	16174345	GG	CC	1940132750
SNP_P1_6564_16174400	NC_021160.1	Ca_kabuli_chr01	16174400	TT	CC	1940132751
SNP_P1_6565_16174430	NC_021160.1	Ca_kabuli_chr01	16174430	GG	CC	1940132752
SNP_P1_6566_16174433	NC_021160.1	Ca_kabuli_chr01	16174433	CC	TT	1940132753
SNP_P1_6568_16175075	NC_021160.1	Ca_kabuli_chr01	16175075	AA	TT	1940132754
SNP_P1_6569_16175096	NC_021160.1	Ca_kabuli_chr01	16175096	GG	AA	1940132755
SNP_P1_6570_16175319	NC_021160.1	Ca_kabuli_chr01	16175319	GG	CC	1940132756
SNP_P1_6571_16176514	NC_021160.1	Ca_kabuli_chr01	16176514	AA	TT	1940132757
SNP_P1_6572_16176957	NC_021160.1	Ca_kabuli_chr01	16176957	AA	GG	1940132758
SNP_P1_6573_16176963	NC_021160.1	Ca_kabuli_chr01	16176963	GG	AA	1940132759
SNP_P1_6574_16177212	NC_021160.1	Ca_kabuli_chr01	16177212	TT	GG	1940132760
SNP_P1_6575_16177498	NC_021160.1	Ca_kabuli_chr01	16177498	CC	AA	1940132761
SNP_P1_6576_16177502	NC_021160.1	Ca_kabuli_chr01	16177502	CC	TT	1940132762
SNP_P1_6577_16177529	NC_021160.1	Ca_kabuli_chr01	16177529	TT	CC	1940132763
SNP_P1_6578_16177591	NC_021160.1	Ca_kabuli_chr01	16177591	GG	TT	1940132764
SNP_P1_6579_16177854	NC_021160.1	Ca_kabuli_chr01	16177854	CC	TT	1940132765
SNP_P1_6580_16177865	NC_021160.1	Ca_kabuli_chr01	16177865	CC	TT	1940132766
SNP_P1_6581_16177952	NC_021160.1	Ca_kabuli_chr01	16177952	TT	CC	1940132767
SNP_P1_6582_16177969	NC_021160.1	Ca_kabuli_chr01	16177969	AA	GG	1940132768
SNP_P1_6583_16179215	NC_021160.1	Ca_kabuli_chr01	16179215	CC	AA	1940132769
SNP_P1_6584_16179219	NC_021160.1	Ca_kabuli_chr01	16179219	TT	AA	1940132770
SNP_P1_6585_16179517	NC_021160.1	Ca_kabuli_chr01	16179517	AA	GG	1940132771
SNP_P1_6586_16179553	NC_021160.1	Ca_kabuli_chr01	16179553	AA	GG	1940132772
SNP_P1_6587_16181064	NC_021160.1	Ca_kabuli_chr01	16181064	TT	CC	1940132773
SNP_P1_6589_16182477	NC_021160.1	Ca_kabuli_chr01	16182477	CC	TT	1940132774
SNP_P1_6590_16182495	NC_021160.1	Ca_kabuli_chr01	16182495	CC	AA	1940132775
SNP_P1_6591_16182496	NC_021160.1	Ca_kabuli_chr01	16182496	AA	TT	1940132776
SNP_P1_6592_16182852	NC_021160.1	Ca_kabuli_chr01	16182852	GG	AA	1940132777
SNP_P1_6593_16183022	NC_021160.1	Ca_kabuli_chr01	16183022	CC	TT	1940132778
SNP_P1_6594_16183239	NC_021160.1	Ca_kabuli_chr01	16183239	AA	CC	1940132779
SNP_P1_6596_16184990	NC_021160.1	Ca_kabuli_chr01	16184990	TT	CC	1940132780
SNP_P1_6597_16185031	NC_021160.1	Ca_kabuli_chr01	16185031	CC	AA	1940132781
SNP_P1_6598_16185428	NC_021160.1	Ca_kabuli_chr01	16185428	CC	TT	1940132782
SNP_P1_6599_16185437	NC_021160.1	Ca_kabuli_chr01	16185437	AA	TT	1940132783
SNP_P1_6600_16186817	NC_021160.1	Ca_kabuli_chr01	16186817	GG	TT	1940132784
SNP_P1_6602_16187557	NC_021160.1	Ca_kabuli_chr01	16187557	CC	GG	1940132785
SNP_P1_6603_16188752	NC_021160.1	Ca_kabuli_chr01	16188752	TT	AA	1940132786
SNP_P1_6604_16189474	NC_021160.1	Ca_kabuli_chr01	16189474	AA	GG	1940132788
SNP_P1_6605_16189785	NC_021160.1	Ca_kabuli_chr01	16189785	GG	AA	1940132789

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6607_16190547	NC_021160.1	Ca_kabuli_chr01	16190547	TT	AA	1940132791
SNP_P1_6608_16190594	NC_021160.1	Ca_kabuli_chr01	16190594	TT	CC	1940132792
SNP_P1_6609_16190599	NC_021160.1	Ca_kabuli_chr01	16190599	CC	AA	1940132793
SNP_P1_6610_16190613	NC_021160.1	Ca_kabuli_chr01	16190613	TT	AA	1940132794
SNP_P1_6611_16190618	NC_021160.1	Ca_kabuli_chr01	16190618	GG	AA	1940132795
SNP_P1_6612_16190689	NC_021160.1	Ca_kabuli_chr01	16190689	TT	AA	1940132796
SNP_P1_6613_16190779	NC_021160.1	Ca_kabuli_chr01	16190779	TT	GG	1940132797
SNP_P1_6614_16190817	NC_021160.1	Ca_kabuli_chr01	16190817	AA	GG	1940132798
SNP_P1_6615_16190841	NC_021160.1	Ca_kabuli_chr01	16190841	CC	AA	1940132799
SNP_P1_6616_16190865	NC_021160.1	Ca_kabuli_chr01	16190865	TT	CC	1940132800
SNP_P1_6617_16190883	NC_021160.1	Ca_kabuli_chr01	16190883	GG	AA	1940132801
SNP_P1_6618_16190885	NC_021160.1	Ca_kabuli_chr01	16190885	CC	TT	1940132802
SNP_P1_6619_16190888	NC_021160.1	Ca_kabuli_chr01	16190888	CC	TT	1940132803
SNP_P1_6620_16190952	NC_021160.1	Ca_kabuli_chr01	16190952	TT	CC	1940132804
SNP_P1_6621_16190955	NC_021160.1	Ca_kabuli_chr01	16190955	AA	GG	1940132805
SNP_P1_6622_16192275	NC_021160.1	Ca_kabuli_chr01	16192275	TT	GG	1940132806
SNP_P1_6623_16192294	NC_021160.1	Ca_kabuli_chr01	16192294	CC	TT	1940132807
SNP_P1_6624_16192304	NC_021160.1	Ca_kabuli_chr01	16192304	TT	AA	1940132808
SNP_P1_6625_16192439	NC_021160.1	Ca_kabuli_chr01	16192439	AA	CC	1940132809
SNP_P1_6626_16192442	NC_021160.1	Ca_kabuli_chr01	16192442	CC	TT	1940132810
SNP_P1_6627_16192450	NC_021160.1	Ca_kabuli_chr01	16192450	AA	CC	1940132811
SNP_P1_6628_16193056	NC_021160.1	Ca_kabuli_chr01	16193056	AA	TT	1940132812
SNP_P1_6629_16193412	NC_021160.1	Ca_kabuli_chr01	16193412	CC	AA	1940132813
SNP_P1_6630_16193462	NC_021160.1	Ca_kabuli_chr01	16193462	GG	AA	1940132814
SNP_P1_6631_16194139	NC_021160.1	Ca_kabuli_chr01	16194139	GG	TT	1940132815
SNP_P1_6632_16194434	NC_021160.1	Ca_kabuli_chr01	16194434	CC	TT	1940132816
SNP_P1_6633_16195251	NC_021160.1	Ca_kabuli_chr01	16195251	TT	GG	1940132817
SNP_P1_6635_16196801	NC_021160.1	Ca_kabuli_chr01	16196801	TT	AA	1940132818
SNP_P1_6636_16197144	NC_021160.1	Ca_kabuli_chr01	16197144	TT	CC	1940132819
SNP_P1_6637_16197158	NC_021160.1	Ca_kabuli_chr01	16197158	GG	CC	1940132820
SNP_P1_6638_16197161	NC_021160.1	Ca_kabuli_chr01	16197161	TT	CC	1940132821
SNP_P1_6639_16197175	NC_021160.1	Ca_kabuli_chr01	16197175	AA	GG	1940132823
SNP_P1_6640_16197358	NC_021160.1	Ca_kabuli_chr01	16197358	TT	AA	1940132824
SNP_P1_6641_16197366	NC_021160.1	Ca_kabuli_chr01	16197366	TT	AA	1940132825
SNP_P1_6642_16197381	NC_021160.1	Ca_kabuli_chr01	16197381	GG	CC	1940132826
SNP_P1_6643_16197388	NC_021160.1	Ca_kabuli_chr01	16197388	CC	TT	1940132827
SNP_P1_6644_16197390	NC_021160.1	Ca_kabuli_chr01	16197390	CC	GG	1940132828
SNP_P1_6645_16197391	NC_021160.1	Ca_kabuli_chr01	16197391	AA	GG	1940132829
SNP_P1_6646_16197402	NC_021160.1	Ca_kabuli_chr01	16197402	TT	AA	1940132830
SNP_P1_6647_16197449	NC_021160.1	Ca_kabuli_chr01	16197449	AA	CC	1940132831
SNP_P1_6648_16197452	NC_021160.1	Ca_kabuli_chr01	16197452	TT	CC	1940132832

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6652_16197686	NC_021160.1	Ca_kabuli_chr01	16197686	TT	AA	1940132835
SNP_P1_6653_16197704	NC_021160.1	Ca_kabuli_chr01	16197704	CC	TT	1940132836
SNP_P1_6654_16197855	NC_021160.1	Ca_kabuli_chr01	16197855	CC	TT	1940132837
SNP_P1_6655_16197992	NC_021160.1	Ca_kabuli_chr01	16197992	TT	CC	1940132838
SNP_P1_6656_16198000	NC_021160.1	Ca_kabuli_chr01	16198000	AA	TT	1940132839
SNP_P1_6657_16198641	NC_021160.1	Ca_kabuli_chr01	16198641	GG	AA	1940132840
SNP_P1_6658_16198705	NC_021160.1	Ca_kabuli_chr01	16198705	GG	CC	1940132841
SNP_P1_6659_16198718	NC_021160.1	Ca_kabuli_chr01	16198718	TT	GG	1940132842
SNP_P1_6660_16198751	NC_021160.1	Ca_kabuli_chr01	16198751	CC	TT	1940132843
SNP_P1_6661_16198752	NC_021160.1	Ca_kabuli_chr01	16198752	AA	GG	1940132844
SNP_P1_6662_16198951	NC_021160.1	Ca_kabuli_chr01	16198951	CC	GG	1940132845
SNP_P1_6663_16199125	NC_021160.1	Ca_kabuli_chr01	16199125	TT	CC	1940132846
SNP_P1_6664_16199424	NC_021160.1	Ca_kabuli_chr01	16199424	GG	AA	1940132847
SNP_P1_6665_16199433	NC_021160.1	Ca_kabuli_chr01	16199433	CC	TT	1940132849
SNP_P1_6666_16199449	NC_021160.1	Ca_kabuli_chr01	16199449	AA	GG	1940132850
SNP_P1_6667_16199466	NC_021160.1	Ca_kabuli_chr01	16199466	CC	TT	1940132851
SNP_P1_6668_16199500	NC_021160.1	Ca_kabuli_chr01	16199500	CC	GG	1940132852
SNP_P1_6669_16199503	NC_021160.1	Ca_kabuli_chr01	16199503	TT	GG	1940132853
SNP_P1_6670_16199543	NC_021160.1	Ca_kabuli_chr01	16199543	TT	GG	1940132854
SNP_P1_6673_16199978	NC_021160.1	Ca_kabuli_chr01	16199978	GG	AA	1940132855
SNP_P1_6674_16200521	NC_021160.1	Ca_kabuli_chr01	16200521	GG	TT	1940132856
SNP_P1_6675_16200533	NC_021160.1	Ca_kabuli_chr01	16200533	TT	CC	1940132857
SNP_P1_6676_16200662	NC_021160.1	Ca_kabuli_chr01	16200662	CC	AA	1940132858
SNP_P1_6677_16201033	NC_021160.1	Ca_kabuli_chr01	16201033	TT	CC	1940132859
SNP_P1_6678_16201037	NC_021160.1	Ca_kabuli_chr01	16201037	TT	CC	1940132861
SNP_P1_6679_16201041	NC_021160.1	Ca_kabuli_chr01	16201041	CC	TT	1940132862
SNP_P1_6680_16201058	NC_021160.1	Ca_kabuli_chr01	16201058	GG	AA	1940132863
SNP_P1_6682_16202020	NC_021160.1	Ca_kabuli_chr01	16202020	AA	GG	1940132864
SNP_P1_6683_16202027	NC_021160.1	Ca_kabuli_chr01	16202027	CC	TT	1940132865
SNP_P1_6684_16202029	NC_021160.1	Ca_kabuli_chr01	16202029	CC	TT	1940132866
SNP_P1_6685_16202692	NC_021160.1	Ca_kabuli_chr01	16202692	AA	TT	1940132867
SNP_P1_6687_16203117	NC_021160.1	Ca_kabuli_chr01	16203117	AA	GG	1940132868
SNP_P1_6688_16203157	NC_021160.1	Ca_kabuli_chr01	16203157	TT	GG	1940132869
SNP_P1_6689_16203184	NC_021160.1	Ca_kabuli_chr01	16203184	AA	GG	1940132870
SNP_P1_6690_16203333	NC_021160.1	Ca_kabuli_chr01	16203333	GG	AA	1940132871
SNP_P1_6691_16203357	NC_021160.1	Ca_kabuli_chr01	16203357	AA	GG	1940132872
SNP_P1_6692_16203412	NC_021160.1	Ca_kabuli_chr01	16203412	AA	TT	1940132873
SNP_P1_6693_16203497	NC_021160.1	Ca_kabuli_chr01	16203497	TT	CC	1940132874
SNP_P1_6694_16203608	NC_021160.1	Ca_kabuli_chr01	16203608	GG	CC	1940132875
SNP_P1_6695_16204213	NC_021160.1	Ca_kabuli_chr01	16204213	GG	TT	1940132876
SNP_P1_6696_16204255	NC_021160.1	Ca_kabuli_chr01	16204255	CC	GG	1940132877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6698_16204629	NC_021160.1	Ca_kabuli_chr01	16204629	CC	TT	1940132880
SNP_P1_6699_16204651	NC_021160.1	Ca_kabuli_chr01	16204651	TT	GG	1940132881
SNP_P1_6700_16204674	NC_021160.1	Ca_kabuli_chr01	16204674	CC	TT	1940132882
SNP_P1_6701_16204723	NC_021160.1	Ca_kabuli_chr01	16204723	CC	TT	1940132883
SNP_P1_6702_16204728	NC_021160.1	Ca_kabuli_chr01	16204728	GG	CC	1940132884
SNP_P1_6703_16204938	NC_021160.1	Ca_kabuli_chr01	16204938	AA	GG	1940132885
SNP_P1_6704_16204950	NC_021160.1	Ca_kabuli_chr01	16204950	GG	AA	1940132886
SNP_P1_6705_16204966	NC_021160.1	Ca_kabuli_chr01	16204966	TT	GG	1940132887
SNP_P1_6706_16205276	NC_021160.1	Ca_kabuli_chr01	16205276	CC	TT	1940132888
SNP_P1_6707_16205713	NC_021160.1	Ca_kabuli_chr01	16205713	AA	GG	1940132889
SNP_P1_6708_16205771	NC_021160.1	Ca_kabuli_chr01	16205771	CC	TT	1940132890
SNP_P1_6709_16205948	NC_021160.1	Ca_kabuli_chr01	16205948	TT	CC	1940132891
SNP_P1_6710_16206027	NC_021160.1	Ca_kabuli_chr01	16206027	AA	TT	1940132892
SNP_P1_6711_16206033	NC_021160.1	Ca_kabuli_chr01	16206033	CC	TT	1940132893
SNP_P1_6712_16206296	NC_021160.1	Ca_kabuli_chr01	16206296	CC	TT	1940132894
SNP_P1_6714_16206411	NC_021160.1	Ca_kabuli_chr01	16206411	AA	CC	1940132895
SNP_P1_6716_16207472	NC_021160.1	Ca_kabuli_chr01	16207472	AA	GG	1940132896
SNP_P1_6717_16207474	NC_021160.1	Ca_kabuli_chr01	16207474	AA	GG	1940132897
SNP_P1_6718_16207536	NC_021160.1	Ca_kabuli_chr01	16207536	TT	GG	1940132898
SNP_P1_6719_16208424	NC_021160.1	Ca_kabuli_chr01	16208424	AA	CC	1940132899
SNP_P1_6720_16208440	NC_021160.1	Ca_kabuli_chr01	16208440	TT	AA	1940132900
SNP_P1_6721_16208479	NC_021160.1	Ca_kabuli_chr01	16208479	AA	TT	1940132901
SNP_P1_6722_16209230	NC_021160.1	Ca_kabuli_chr01	16209230	GG	AA	1940132902
SNP_P1_6723_16209237	NC_021160.1	Ca_kabuli_chr01	16209237	AA	GG	1940132903
SNP_P1_6724_16210138	NC_021160.1	Ca_kabuli_chr01	16210138	TT	AA	1940132904
SNP_P1_6725_16210756	NC_021160.1	Ca_kabuli_chr01	16210756	CC	TT	1940132905
SNP_P1_6727_16210905	NC_021160.1	Ca_kabuli_chr01	16210905	TT	CC	1940132906
SNP_P1_6728_16211644	NC_021160.1	Ca_kabuli_chr01	16211644	CC	TT	1940132907
SNP_P1_6729_16211653	NC_021160.1	Ca_kabuli_chr01	16211653	TT	AA	1940132908
SNP_P1_6732_16212960	NC_021160.1	Ca_kabuli_chr01	16212960	GG	AA	1940132909
SNP_P1_6733_16212996	NC_021160.1	Ca_kabuli_chr01	16212996	GG	AA	1940132910
SNP_P1_6734_16213235	NC_021160.1	Ca_kabuli_chr01	16213235	TT	GG	1940132911
SNP_P1_6735_16213663	NC_021160.1	Ca_kabuli_chr01	16213663	GG	CC	1940132912
SNP_P1_6736_16213703	NC_021160.1	Ca_kabuli_chr01	16213703	TT	CC	1940132913
SNP_P1_6737_16214016	NC_021160.1	Ca_kabuli_chr01	16214016	TT	AA	1940132914
SNP_P1_6738_16214030	NC_021160.1	Ca_kabuli_chr01	16214030	CC	TT	1940132915
SNP_P1_6739_16214301	NC_021160.1	Ca_kabuli_chr01	16214301	GG	AA	1940132917
SNP_P1_6742_16219286	NC_021160.1	Ca_kabuli_chr01	16219286	TT	CC	1940132918
SNP_P1_6744_16254495	NC_021160.1	Ca_kabuli_chr01	16254495	GG	CC	1940132919
SNP_P1_6747_16267416	NC_021160.1	Ca_kabuli_chr01	16267416	GG	AA	1940132920
SNP_P1_6748_16285734	NC_021160.1	Ca_kabuli_chr01	16285734	CC	TT	1940132921

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6750_16301159	NC_021160.1	Ca_kabuli_chr01	16301159	AA	GG	1940132923
SNP_P1_6751_16303632	NC_021160.1	Ca_kabuli_chr01	16303632	GG	AA	1940132924
SNP_P1_6752_16303650	NC_021160.1	Ca_kabuli_chr01	16303650	TT	CC	1940132925
SNP_P1_6753_16369876	NC_021160.1	Ca_kabuli_chr01	16369876	GG	TT	1940132926
SNP_P1_6754_16370921	NC_021160.1	Ca_kabuli_chr01	16370921	CC	AA	1940132927
SNP_P1_6757_16442383	NC_021160.1	Ca_kabuli_chr01	16442383	TT	AA	1940132928
SNP_P1_6758_16442395	NC_021160.1	Ca_kabuli_chr01	16442395	TT	GG	1940132929
SNP_P1_6759_16449782	NC_021160.1	Ca_kabuli_chr01	16449782	TT	CC	1940132930
SNP_P1_6761_16479727	NC_021160.1	Ca_kabuli_chr01	16479727	GG	AA	1940132931
SNP_P1_6762_16481381	NC_021160.1	Ca_kabuli_chr01	16481381	AA	TT	1940132932
SNP_P1_6763_16481382	NC_021160.1	Ca_kabuli_chr01	16481382	AA	TT	1940132933
SNP_P1_6764_16497577	NC_021160.1	Ca_kabuli_chr01	16497577	TT	CC	1940132934
SNP_P1_6765_16498309	NC_021160.1	Ca_kabuli_chr01	16498309	CC	TT	1940132935
SNP_P1_6766_16498315	NC_021160.1	Ca_kabuli_chr01	16498315	TT	CC	1940132936
SNP_P1_6767_16499955	NC_021160.1	Ca_kabuli_chr01	16499955	GG	TT	1940132937
SNP_P1_6769_16565963	NC_021160.1	Ca_kabuli_chr01	16565963	GG	AA	1940132938
SNP_P1_6770_16579095	NC_021160.1	Ca_kabuli_chr01	16579095	TT	CC	1940132939
SNP_P1_6772_16601755	NC_021160.1	Ca_kabuli_chr01	16601755	GG	AA	1940132940
SNP_P1_6773_16620872	NC_021160.1	Ca_kabuli_chr01	16620872	AA	TT	1940132941
SNP_P1_6774_16620907	NC_021160.1	Ca_kabuli_chr01	16620907	TT	CC	1940132942
SNP_P1_6776_16636021	NC_021160.1	Ca_kabuli_chr01	16636021	AA	TT	1940132943
SNP_P1_6777_16639202	NC_021160.1	Ca_kabuli_chr01	16639202	AA	TT	1940132944
SNP_P1_6778_16650507	NC_021160.1	Ca_kabuli_chr01	16650507	GG	AA	1940132945
SNP_P1_6779_16670169	NC_021160.1	Ca_kabuli_chr01	16670169	TT	CC	1940132946
SNP_P1_6780_16670195	NC_021160.1	Ca_kabuli_chr01	16670195	TT	CC	1940132947
SNP_P1_6781_16673203	NC_021160.1	Ca_kabuli_chr01	16673203	AA	GG	1940132948
SNP_P1_6782_16673375	NC_021160.1	Ca_kabuli_chr01	16673375	GG	AA	1940132949
SNP_P1_6783_16673494	NC_021160.1	Ca_kabuli_chr01	16673494	AA	CC	1940132950
SNP_P1_6784_16679005	NC_021160.1	Ca_kabuli_chr01	16679005	TT	AA	1940132951
SNP_P1_6786_16720728	NC_021160.1	Ca_kabuli_chr01	16720728	GG	AA	1940132952
SNP_P1_6787_16731826	NC_021160.1	Ca_kabuli_chr01	16731826	TT	CC	1940132953
SNP_P1_6789_16747874	NC_021160.1	Ca_kabuli_chr01	16747874	TT	GG	1940132954
SNP_P1_6791_16807221	NC_021160.1	Ca_kabuli_chr01	16807221	GG	AA	1940132955
SNP_P1_6792_16808251	NC_021160.1	Ca_kabuli_chr01	16808251	TT	CC	1940132957
SNP_P1_6793_16808262	NC_021160.1	Ca_kabuli_chr01	16808262	AA	GG	1940132958
SNP_P1_6794_16822332	NC_021160.1	Ca_kabuli_chr01	16822332	TT	CC	1940132959
SNP_P1_6795_16859108	NC_021160.1	Ca_kabuli_chr01	16859108	AA	TT	1940132960
SNP_P1_6796_16862993	NC_021160.1	Ca_kabuli_chr01	16862993	CC	GG	1940132961
SNP_P1_6797_16866107	NC_021160.1	Ca_kabuli_chr01	16866107	GG	CC	1940132962
SNP_P1_6799_16887369	NC_021160.1	Ca_kabuli_chr01	16887369	GG	CC	1940132963
SNP_P1_6801_16901929	NC_021160.1	Ca_kabuli_chr01	16901929	GG	AA	1940132964

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6803_16907640	NC_021160.1	Ca_kabuli_chr01	16907640	AA	GG	1940132966
SNP_P1_6804_16915478	NC_021160.1	Ca_kabuli_chr01	16915478	TT	GG	1940132967
SNP_P1_6805_16935128	NC_021160.1	Ca_kabuli_chr01	16935128	GG	AA	1940132968
SNP_P1_6806_16935314	NC_021160.1	Ca_kabuli_chr01	16935314	GG	TT	1940132969
SNP_P1_6807_16942573	NC_021160.1	Ca_kabuli_chr01	16942573	CC	GG	1940132970
SNP_P1_6809_16956034	NC_021160.1	Ca_kabuli_chr01	16956034	GG	AA	1940132971
SNP_P1_6810_16966862	NC_021160.1	Ca_kabuli_chr01	16966862	TT	AA	1940132972
SNP_P1_6812_16977636	NC_021160.1	Ca_kabuli_chr01	16977636	CC	TT	1940132973
SNP_P1_6813_16984678	NC_021160.1	Ca_kabuli_chr01	16984678	CC	AA	1940132974
SNP_P1_6815_17007281	NC_021160.1	Ca_kabuli_chr01	17007281	CC	TT	1940132975
SNP_P1_6816_17007283	NC_021160.1	Ca_kabuli_chr01	17007283	AA	TT	1940132976
SNP_P1_6817_17015836	NC_021160.1	Ca_kabuli_chr01	17015836	TT	CC	1940132977
SNP_P1_6818_17030297	NC_021160.1	Ca_kabuli_chr01	17030297	CC	TT	1940132978
SNP_P1_6819_17030404	NC_021160.1	Ca_kabuli_chr01	17030404	GG	AA	1940132979
SNP_P1_6821_17084655	NC_021160.1	Ca_kabuli_chr01	17084655	TT	CC	1940132980
SNP_P1_6822_17097417	NC_021160.1	Ca_kabuli_chr01	17097417	GG	AA	1940132981
SNP_P1_6823_17111308	NC_021160.1	Ca_kabuli_chr01	17111308	GG	AA	1940132982
SNP_P1_6824_17111902	NC_021160.1	Ca_kabuli_chr01	17111902	TT	CC	1940132983
SNP_P1_6825_17116929	NC_021160.1	Ca_kabuli_chr01	17116929	CC	AA	1940132984
SNP_P1_6826_17116950	NC_021160.1	Ca_kabuli_chr01	17116950	CC	GG	1940132985
SNP_P1_6827_17120514	NC_021160.1	Ca_kabuli_chr01	17120514	GG	TT	1940132986
SNP_P1_6828_17120713	NC_021160.1	Ca_kabuli_chr01	17120713	TT	GG	1940132987
SNP_P1_6829_17120780	NC_021160.1	Ca_kabuli_chr01	17120780	AA	GG	1940132988
SNP_P1_6831_17120887	NC_021160.1	Ca_kabuli_chr01	17120887	CC	AA	1940132989
SNP_P1_6832_17121025	NC_021160.1	Ca_kabuli_chr01	17121025	TT	CC	1940132990
SNP_P1_6833_17121056	NC_021160.1	Ca_kabuli_chr01	17121056	GG	AA	1940132991
SNP_P1_6835_17122274	NC_021160.1	Ca_kabuli_chr01	17122274	TT	GG	1940132992
SNP_P1_6836_17124716	NC_021160.1	Ca_kabuli_chr01	17124716	GG	TT	1940132993
SNP_P1_6837_17124757	NC_021160.1	Ca_kabuli_chr01	17124757	TT	CC	1940132994
SNP_P1_6838_17124786	NC_021160.1	Ca_kabuli_chr01	17124786	TT	CC	1940132995
SNP_P1_6839_17125069	NC_021160.1	Ca_kabuli_chr01	17125069	TT	CC	1940132997
SNP_P1_6840_17125087	NC_021160.1	Ca_kabuli_chr01	17125087	TT	CC	1940132998
SNP_P1_6841_17125098	NC_021160.1	Ca_kabuli_chr01	17125098	GG	AA	1940132999
SNP_P1_6842_17125577	NC_021160.1	Ca_kabuli_chr01	17125577	AA	TT	1940133000
SNP_P1_6843_17127920	NC_021160.1	Ca_kabuli_chr01	17127920	GG	CC	1940133001
SNP_P1_6844_17127940	NC_021160.1	Ca_kabuli_chr01	17127940	GG	AA	1940133002
SNP_P1_6845_17127942	NC_021160.1	Ca_kabuli_chr01	17127942	GG	AA	1940133003
SNP_P1_6846_17128204	NC_021160.1	Ca_kabuli_chr01	17128204	TT	AA	1940133004
SNP_P1_6847_17128237	NC_021160.1	Ca_kabuli_chr01	17128237	TT	GG	1940133005
SNP_P1_6848_17128290	NC_021160.1	Ca_kabuli_chr01	17128290	CC	TT	1940133006
SNP_P1_6849_17128352	NC_021160.1	Ca_kabuli_chr01	17128352	GG	AA	1940133007

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6851_17157908	NC_021160.1	Ca_kabuli_chr01	17157908	CC	TT	1940133009
SNP_P1_6852_17158072	NC_021160.1	Ca_kabuli_chr01	17158072	GG	AA	1940133010
SNP_P1_6853_17158285	NC_021160.1	Ca_kabuli_chr01	17158285	GG	AA	1940133011
SNP_P1_6855_17165920	NC_021160.1	Ca_kabuli_chr01	17165920	AA	CC	1940133012
SNP_P1_6856_17165921	NC_021160.1	Ca_kabuli_chr01	17165921	TT	GG	1940133013
SNP_P1_6857_17177858	NC_021160.1	Ca_kabuli_chr01	17177858	AA	TT	1940133014
SNP_P1_6858_17181782	NC_021160.1	Ca_kabuli_chr01	17181782	AA	CC	1940133015
SNP_P1_6860_17187067	NC_021160.1	Ca_kabuli_chr01	17187067	AA	TT	1940133016
SNP_P1_6861_17187218	NC_021160.1	Ca_kabuli_chr01	17187218	AA	GG	1940133017
SNP_P1_6862_17187542	NC_021160.1	Ca_kabuli_chr01	17187542	CC	GG	1940133018
SNP_P1_6863_17187556	NC_021160.1	Ca_kabuli_chr01	17187556	GG	AA	1940133019
SNP_P1_6864_17187605	NC_021160.1	Ca_kabuli_chr01	17187605	TT	CC	1940133020
SNP_P1_6865_17187619	NC_021160.1	Ca_kabuli_chr01	17187619	GG	AA	1940133021
SNP_P1_6866_17187857	NC_021160.1	Ca_kabuli_chr01	17187857	CC	TT	1940133022
SNP_P1_6867_17187871	NC_021160.1	Ca_kabuli_chr01	17187871	GG	AA	1940133023
SNP_P1_6868_17187904	NC_021160.1	Ca_kabuli_chr01	17187904	CC	AA	1940133024
SNP_P1_6869_17188094	NC_021160.1	Ca_kabuli_chr01	17188094	GG	TT	1940133025
SNP_P1_6870_17188104	NC_021160.1	Ca_kabuli_chr01	17188104	GG	AA	1940133026
SNP_P1_6871_17188112	NC_021160.1	Ca_kabuli_chr01	17188112	GG	AA	1940133028
SNP_P1_6873_17222402	NC_021160.1	Ca_kabuli_chr01	17222402	TT	CC	1940133029
SNP_P1_6874_17235042	NC_021160.1	Ca_kabuli_chr01	17235042	CC	TT	1940133030
SNP_P1_6875_17240596	NC_021160.1	Ca_kabuli_chr01	17240596	CC	TT	1940133031
SNP_P1_6876_17244270	NC_021160.1	Ca_kabuli_chr01	17244270	CC	TT	1940133032
SNP_P1_6877_17244304	NC_021160.1	Ca_kabuli_chr01	17244304	AA	GG	1940133033
SNP_P1_6878_17248373	NC_021160.1	Ca_kabuli_chr01	17248373	AA	GG	1940133034
SNP_P1_6879_17251397	NC_021160.1	Ca_kabuli_chr01	17251397	AA	CC	1940133035
SNP_P1_6880_17254528	NC_021160.1	Ca_kabuli_chr01	17254528	CC	TT	1940133036
SNP_P1_6881_17255068	NC_021160.1	Ca_kabuli_chr01	17255068	TT	CC	1940133037
SNP_P1_6882_17255138	NC_021160.1	Ca_kabuli_chr01	17255138	GG	CC	1940133038
SNP_P1_6883_17255346	NC_021160.1	Ca_kabuli_chr01	17255346	AA	GG	1940133039
SNP_P1_6884_17303221	NC_021160.1	Ca_kabuli_chr01	17303221	TT	AA	1940133040
SNP_P1_6885_17310325	NC_021160.1	Ca_kabuli_chr01	17310325	AA	GG	1940133041
SNP_P1_6886_17322614	NC_021160.1	Ca_kabuli_chr01	17322614	CC	GG	1940133042
SNP_P1_6887_17324498	NC_021160.1	Ca_kabuli_chr01	17324498	GG	AA	1940133043
SNP_P1_6888_17324528	NC_021160.1	Ca_kabuli_chr01	17324528	CC	TT	1940133044
SNP_P1_6889_17324547	NC_021160.1	Ca_kabuli_chr01	17324547	GG	AA	1940133045
SNP_P1_6890_17337037	NC_021160.1	Ca_kabuli_chr01	17337037	TT	AA	1940133046
SNP_P1_6891_17371107	NC_021160.1	Ca_kabuli_chr01	17371107	AA	GG	1940133047
SNP_P1_6892_17372436	NC_021160.1	Ca_kabuli_chr01	17372436	GG	AA	1940133048
SNP_P1_6893_17379990	NC_021160.1	Ca_kabuli_chr01	17379990	GG	AA	1940133049
SNP_P1_6894_17379991	NC_021160.1	Ca_kabuli_chr01	17379991	TT	CC	1940133051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6896_17409706	NC_021160.1	Ca_kabuli_chr01	17409706	TT	CC	1940133053
SNP_P1_6897_17431627	NC_021160.1	Ca_kabuli_chr01	17431627	GG	AA	1940133054
SNP_P1_6898_17431662	NC_021160.1	Ca_kabuli_chr01	17431662	TT	CC	1940133055
SNP_P1_6899_17442463	NC_021160.1	Ca_kabuli_chr01	17442463	CC	TT	1940133056
SNP_P1_6900_17470916	NC_021160.1	Ca_kabuli_chr01	17470916	GG	AA	1940133057
SNP_P1_6901_17470950	NC_021160.1	Ca_kabuli_chr01	17470950	AA	CC	1940133058
SNP_P1_6903_17480274	NC_021160.1	Ca_kabuli_chr01	17480274	TT	CC	1940133059
SNP_P1_6904_17514180	NC_021160.1	Ca_kabuli_chr01	17514180	TT	AA	1940133060
SNP_P1_6906_17543041	NC_021160.1	Ca_kabuli_chr01	17543041	TT	CC	1940133061
SNP_P1_6907_17543787	NC_021160.1	Ca_kabuli_chr01	17543787	AA	TT	1940133062
SNP_P1_6908_17543789	NC_021160.1	Ca_kabuli_chr01	17543789	AA	CC	1940133063
SNP_P1_6909_17550937	NC_021160.1	Ca_kabuli_chr01	17550937	AA	TT	1940133064
SNP_P1_6910_17553933	NC_021160.1	Ca_kabuli_chr01	17553933	GG	AA	1940133066
SNP_P1_6911_17554823	NC_021160.1	Ca_kabuli_chr01	17554823	GG	AA	1940133067
SNP_P1_6912_17554827	NC_021160.1	Ca_kabuli_chr01	17554827	TT	GG	1940133068
SNP_P1_6913_17562073	NC_021160.1	Ca_kabuli_chr01	17562073	AA	GG	1940133069
SNP_P1_6914_17572528	NC_021160.1	Ca_kabuli_chr01	17572528	CC	AA	1940133070
SNP_P1_6915_17573399	NC_021160.1	Ca_kabuli_chr01	17573399	CC	AA	1940133071
SNP_P1_6916_17588008	NC_021160.1	Ca_kabuli_chr01	17588008	CC	AA	1940133072
SNP_P1_6918_17595651	NC_021160.1	Ca_kabuli_chr01	17595651	CC	TT	1940133073
SNP_P1_6919_17596638	NC_021160.1	Ca_kabuli_chr01	17596638	TT	AA	1940133074
SNP_P1_6920_17613544	NC_021160.1	Ca_kabuli_chr01	17613544	AA	GG	1940133075
SNP_P1_6921_17621565	NC_021160.1	Ca_kabuli_chr01	17621565	CC	GG	1940133076
SNP_P1_6922_17621567	NC_021160.1	Ca_kabuli_chr01	17621567	TT	GG	1940133077
SNP_P1_6923_17621650	NC_021160.1	Ca_kabuli_chr01	17621650	GG	CC	1940133078
SNP_P1_6924_17621755	NC_021160.1	Ca_kabuli_chr01	17621755	TT	CC	1940133079
SNP_P1_6925_17621891	NC_021160.1	Ca_kabuli_chr01	17621891	GG	AA	1940133080
SNP_P1_6926_17622146	NC_021160.1	Ca_kabuli_chr01	17622146	CC	TT	1940133081
SNP_P1_6927_17623909	NC_021160.1	Ca_kabuli_chr01	17623909	TT	CC	1940133082
SNP_P1_6928_17630677	NC_021160.1	Ca_kabuli_chr01	17630677	GG	AA	1940133084
SNP_P1_6929_17630951	NC_021160.1	Ca_kabuli_chr01	17630951	GG	CC	1940133085
SNP_P1_6930_17630953	NC_021160.1	Ca_kabuli_chr01	17630953	GG	TT	1940133086
SNP_P1_6931_17650083	NC_021160.1	Ca_kabuli_chr01	17650083	CC	AA	1940133087
SNP_P1_6932_17654328	NC_021160.1	Ca_kabuli_chr01	17654328	GG	TT	1940133088
SNP_P1_6935_17707287	NC_021160.1	Ca_kabuli_chr01	17707287	CC	GG	1940133089
SNP_P1_6936_17717087	NC_021160.1	Ca_kabuli_chr01	17717087	GG	AA	1940133090
SNP_P1_6937_17719636	NC_021160.1	Ca_kabuli_chr01	17719636	AA	GG	1940133091
SNP_P1_6938_17719641	NC_021160.1	Ca_kabuli_chr01	17719641	TT	GG	1940133092
SNP_P1_6939_17722716	NC_021160.1	Ca_kabuli_chr01	17722716	AA	GG	1940133093
SNP_P1_6940_17729370	NC_021160.1	Ca_kabuli_chr01	17729370	AA	CC	1940133094
SNP_P1_6941_17745111	NC_021160.1	Ca_kabuli_chr01	17745111	GG	AA	1940133095

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6944_17801346	NC_021160.1	Ca_kabuli_chr01	17801346	CC	AA	1940133097
SNP_P1_6945_17802830	NC_021160.1	Ca_kabuli_chr01	17802830	AA	GG	1940133098
SNP_P1_6946_17803977	NC_021160.1	Ca_kabuli_chr01	17803977	AA	CC	1940133099
SNP_P1_6947_17808709	NC_021160.1	Ca_kabuli_chr01	17808709	CC	TT	1940133100
SNP_P1_6948_17809889	NC_021160.1	Ca_kabuli_chr01	17809889	CC	AA	1940133101
SNP_P1_6950_17883354	NC_021160.1	Ca_kabuli_chr01	17883354	TT	AA	1940133102
SNP_P1_6951_17898217	NC_021160.1	Ca_kabuli_chr01	17898217	CC	TT	1940133103
SNP_P1_6952_17902566	NC_021160.1	Ca_kabuli_chr01	17902566	TT	GG	1940133105
SNP_P1_6953_17902570	NC_021160.1	Ca_kabuli_chr01	17902570	AA	GG	1940133106
SNP_P1_6954_17917156	NC_021160.1	Ca_kabuli_chr01	17917156	GG	AA	1940133107
SNP_P1_6956_17934789	NC_021160.1	Ca_kabuli_chr01	17934789	AA	CC	1940133108
SNP_P1_6957_17934791	NC_021160.1	Ca_kabuli_chr01	17934791	TT	CC	1940133109
SNP_P1_6958_17936117	NC_021160.1	Ca_kabuli_chr01	17936117	AA	GG	1940133110
SNP_P1_6959_17938336	NC_021160.1	Ca_kabuli_chr01	17938336	AA	GG	1940133111
SNP_P1_6960_17941037	NC_021160.1	Ca_kabuli_chr01	17941037	TT	AA	1940133112
SNP_P1_6961_17950205	NC_021160.1	Ca_kabuli_chr01	17950205	AA	GG	1940133113
SNP_P1_6962_17958840	NC_021160.1	Ca_kabuli_chr01	17958840	AA	GG	1940133114
SNP_P1_6964_17969338	NC_021160.1	Ca_kabuli_chr01	17969338	AA	GG	1940133115
SNP_P1_6965_17969341	NC_021160.1	Ca_kabuli_chr01	17969341	TT	GG	1940133116
SNP_P1_6967_18012064	NC_021160.1	Ca_kabuli_chr01	18012064	AA	CC	1940133117
SNP_P1_6968_18012066	NC_021160.1	Ca_kabuli_chr01	18012066	AA	GG	1940133118
SNP_P1_6970_18039322	NC_021160.1	Ca_kabuli_chr01	18039322	TT	AA	1940133119
SNP_P1_6972_18119928	NC_021160.1	Ca_kabuli_chr01	18119928	CC	TT	1940133120
SNP_P1_6973_18121671	NC_021160.1	Ca_kabuli_chr01	18121671	TT	AA	1940133121
SNP_P1_6974_18122007	NC_021160.1	Ca_kabuli_chr01	18122007	TT	CC	1940133122
SNP_P1_6975_18122013	NC_021160.1	Ca_kabuli_chr01	18122013	TT	CC	1940133123
SNP_P1_6976_18122045	NC_021160.1	Ca_kabuli_chr01	18122045	TT	CC	1940133124
SNP_P1_6977_18122058	NC_021160.1	Ca_kabuli_chr01	18122058	TT	GG	1940133125
SNP_P1_6979_18191398	NC_021160.1	Ca_kabuli_chr01	18191398	CC	GG	1940133126
SNP_P1_6981_18201840	NC_021160.1	Ca_kabuli_chr01	18201840	AA	GG	1940133127
SNP_P1_6982_18225044	NC_021160.1	Ca_kabuli_chr01	18225044	CC	TT	1940133128
SNP_P1_6983_18229616	NC_021160.1	Ca_kabuli_chr01	18229616	AA	CC	1940133129
SNP_P1_6984_18231679	NC_021160.1	Ca_kabuli_chr01	18231679	TT	CC	1940133130
SNP_P1_6985_18261609	NC_021160.1	Ca_kabuli_chr01	18261609	AA	GG	1940133131
SNP_P1_6986_18271170	NC_021160.1	Ca_kabuli_chr01	18271170	AA	TT	1940133132
SNP_P1_6987_18279887	NC_021160.1	Ca_kabuli_chr01	18279887	GG	AA	1940133133
SNP_P1_6988_18282402	NC_021160.1	Ca_kabuli_chr01	18282402	AA	TT	1940133134
SNP_P1_6989_18282403	NC_021160.1	Ca_kabuli_chr01	18282403	TT	CC	1940133135
SNP_P1_6990_18282410	NC_021160.1	Ca_kabuli_chr01	18282410	CC	GG	1940133136
SNP_P1_6991_18295544	NC_021160.1	Ca_kabuli_chr01	18295544	TT	CC	1940133137
SNP_P1_6992_18295584	NC_021160.1	Ca_kabuli_chr01	18295584	AA	GG	1940133138

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_6994_18296916	NC_021160.1	Ca_kabuli_chr01	18296916	CC	AA	1940133140
SNP_P1_6995_18297153	NC_021160.1	Ca_kabuli_chr01	18297153	GG	AA	1940133141
SNP_P1_6996_18297178	NC_021160.1	Ca_kabuli_chr01	18297178	TT	CC	1940133142
SNP_P1_6997_18297273	NC_021160.1	Ca_kabuli_chr01	18297273	CC	TT	1940133143
SNP_P1_6998_18298262	NC_021160.1	Ca_kabuli_chr01	18298262	AA	TT	1940133145
SNP_P1_7000_18299789	NC_021160.1	Ca_kabuli_chr01	18299789	TT	CC	1940133146
SNP_P1_7002_18299933	NC_021160.1	Ca_kabuli_chr01	18299933	CC	TT	1940133147
SNP_P1_7003_18299945	NC_021160.1	Ca_kabuli_chr01	18299945	AA	CC	1940133148
SNP_P1_7004_18299962	NC_021160.1	Ca_kabuli_chr01	18299962	TT	CC	1940133149
SNP_P1_7005_18299987	NC_021160.1	Ca_kabuli_chr01	18299987	TT	CC	1940133150
SNP_P1_7006_18300031	NC_021160.1	Ca_kabuli_chr01	18300031	TT	AA	1940133151
SNP_P1_7007_18300032	NC_021160.1	Ca_kabuli_chr01	18300032	AA	GG	1940133152
SNP_P1_7008_18300065	NC_021160.1	Ca_kabuli_chr01	18300065	AA	GG	1940133153
SNP_P1_7009_18300162	NC_021160.1	Ca_kabuli_chr01	18300162	TT	CC	1940133154
SNP_P1_7010_18300541	NC_021160.1	Ca_kabuli_chr01	18300541	CC	GG	1940133155
SNP_P1_7011_18300561	NC_021160.1	Ca_kabuli_chr01	18300561	TT	GG	1940133156
SNP_P1_7012_18300596	NC_021160.1	Ca_kabuli_chr01	18300596	CC	TT	1940133157
SNP_P1_7013_18300686	NC_021160.1	Ca_kabuli_chr01	18300686	CC	TT	1940133158
SNP_P1_7015_18301160	NC_021160.1	Ca_kabuli_chr01	18301160	TT	AA	1940133159
SNP_P1_7016_18301178	NC_021160.1	Ca_kabuli_chr01	18301178	GG	AA	1940133160
SNP_P1_7017_18301228	NC_021160.1	Ca_kabuli_chr01	18301228	AA	GG	1940133161
SNP_P1_7018_18301275	NC_021160.1	Ca_kabuli_chr01	18301275	GG	CC	1940133162
SNP_P1_7019_18301292	NC_021160.1	Ca_kabuli_chr01	18301292	TT	CC	1940133163
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SNP_P1_7022_18301900	NC_021160.1	Ca_kabuli_chr01	18301900	CC	TT	1940133165
SNP_P1_7023_18302162	NC_021160.1	Ca_kabuli_chr01	18302162	CC	TT	1940133166
SNP_P1_7024_18302187	NC_021160.1	Ca_kabuli_chr01	18302187	GG	AA	1940133167
SNP_P1_7025_18302201	NC_021160.1	Ca_kabuli_chr01	18302201	TT	CC	1940133168
SNP_P1_7026_18302220	NC_021160.1	Ca_kabuli_chr01	18302220	GG	TT	1940133169
SNP_P1_7027_18316918	NC_021160.1	Ca_kabuli_chr01	18316918	TT	CC	1940133170
SNP_P1_7028_18316931	NC_021160.1	Ca_kabuli_chr01	18316931	TT	AA	1940133171
SNP_P1_7029_18317371	NC_021160.1	Ca_kabuli_chr01	18317371	TT	CC	1940133172
SNP_P1_7030_18317386	NC_021160.1	Ca_kabuli_chr01	18317386	TT	GG	1940133173
SNP_P1_7031_18317387	NC_021160.1	Ca_kabuli_chr01	18317387	GG	AA	1940133174
SNP_P1_7032_18317409	NC_021160.1	Ca_kabuli_chr01	18317409	AA	CC	1940133175
SNP_P1_7033_18317410	NC_021160.1	Ca_kabuli_chr01	18317410	AA	TT	1940133176
SNP_P1_7034_18317626	NC_021160.1	Ca_kabuli_chr01	18317626	TT	CC	1940133177
SNP_P1_7036_18317676	NC_021160.1	Ca_kabuli_chr01	18317676	CC	AA	1940133178
SNP_P1_7038_18317939	NC_021160.1	Ca_kabuli_chr01	18317939	GG	AA	1940133179
SNP_P1_7039_18318106	NC_021160.1	Ca_kabuli_chr01	18318106	AA	GG	1940133180
SNP_P1_7040_18318534	NC_021160.1	Ca_kabuli_chr01	18318534	GG	AA	1940133181

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7042_18319192	NC_021160.1	Ca_kabuli_chr01	18319192	AA	CC	1940133183
SNP_P1_7043_18319193	NC_021160.1	Ca_kabuli_chr01	18319193	CC	AA	1940133185
SNP_P1_7044_18319211	NC_021160.1	Ca_kabuli_chr01	18319211	AA	TT	1940133186
SNP_P1_7045_18320136	NC_021160.1	Ca_kabuli_chr01	18320136	CC	TT	1940133187
SNP_P1_7046_18325295	NC_021160.1	Ca_kabuli_chr01	18325295	GG	AA	1940133188
SNP_P1_7048_18325628	NC_021160.1	Ca_kabuli_chr01	18325628	GG	TT	1940133189
SNP_P1_7050_18325903	NC_021160.1	Ca_kabuli_chr01	18325903	AA	GG	1940133190
SNP_P1_7051_18326588	NC_021160.1	Ca_kabuli_chr01	18326588	AA	TT	1940133191
SNP_P1_7052_18326649	NC_021160.1	Ca_kabuli_chr01	18326649	AA	GG	1940133192
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SNP_P1_7055_18327304	NC_021160.1	Ca_kabuli_chr01	18327304	AA	GG	1940133195
SNP_P1_7056_18327379	NC_021160.1	Ca_kabuli_chr01	18327379	GG	CC	1940133196
SNP_P1_7057_18327549	NC_021160.1	Ca_kabuli_chr01	18327549	CC	AA	1940133197
SNP_P1_7058_18327571	NC_021160.1	Ca_kabuli_chr01	18327571	GG	AA	1940133198
SNP_P1_7059_18327577	NC_021160.1	Ca_kabuli_chr01	18327577	AA	GG	1940133199
SNP_P1_7060_18327618	NC_021160.1	Ca_kabuli_chr01	18327618	CC	TT	1940133200
SNP_P1_7061_18327623	NC_021160.1	Ca_kabuli_chr01	18327623	GG	AA	1940133201
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SNP_P1_7065_18327732	NC_021160.1	Ca_kabuli_chr01	18327732	AA	CC	1940133205
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SNP_P1_7067_18327797	NC_021160.1	Ca_kabuli_chr01	18327797	AA	CC	1940133207
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SNP_P1_7070_18327944	NC_021160.1	Ca_kabuli_chr01	18327944	TT	AA	1940133210
SNP_P1_7071_18327945	NC_021160.1	Ca_kabuli_chr01	18327945	CC	TT	1940133211
SNP_P1_7072_18327946	NC_021160.1	Ca_kabuli_chr01	18327946	GG	AA	1940133212
SNP_P1_7073_18327969	NC_021160.1	Ca_kabuli_chr01	18327969	TT	CC	1940133213
SNP_P1_7074_18328012	NC_021160.1	Ca_kabuli_chr01	18328012	AA	TT	1940133214
SNP_P1_7075_18328084	NC_021160.1	Ca_kabuli_chr01	18328084	GG	TT	1940133215
SNP_P1_7077_18328228	NC_021160.1	Ca_kabuli_chr01	18328228	TT	GG	1940133216
SNP_P1_7078_18328245	NC_021160.1	Ca_kabuli_chr01	18328245	GG	AA	1940133217
SNP_P1_7079_18328288	NC_021160.1	Ca_kabuli_chr01	18328288	AA	TT	1940133218
SNP_P1_7080_18328374	NC_021160.1	Ca_kabuli_chr01	18328374	GG	AA	1940133219
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SNP_P1_7082_18328423	NC_021160.1	Ca_kabuli_chr01	18328423	CC	TT	1940133221
SNP_P1_7083_18328425	NC_021160.1	Ca_kabuli_chr01	18328425	GG	CC	1940133222
SNP_P1_7084_18356036	NC_021160.1	Ca_kabuli_chr01	18356036	GG	AA	1940133223
SNP_P1_7085_18359606	NC_021160.1	Ca_kabuli_chr01	18359606	GG	AA	1940133225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7088_18363694	NC_021160.1	Ca_kabuli_chr01	18363694	AA	GG	1940133228
SNP_P1_7089_18363764	NC_021160.1	Ca_kabuli_chr01	18363764	GG	AA	1940133229
SNP_P1_7090_18363894	NC_021160.1	Ca_kabuli_chr01	18363894	AA	CC	1940133230
SNP_P1_7091_18363926	NC_021160.1	Ca_kabuli_chr01	18363926	CC	TT	1940133231
SNP_P1_7092_18363952	NC_021160.1	Ca_kabuli_chr01	18363952	CC	TT	1940133232
SNP_P1_7093_18363986	NC_021160.1	Ca_kabuli_chr01	18363986	GG	AA	1940133233
SNP_P1_7094_18363995	NC_021160.1	Ca_kabuli_chr01	18363995	GG	AA	1940133234
SNP_P1_7095_18363998	NC_021160.1	Ca_kabuli_chr01	18363998	AA	GG	1940133235
SNP_P1_7096_18364006	NC_021160.1	Ca_kabuli_chr01	18364006	AA	TT	1940133236
SNP_P1_7097_18364007	NC_021160.1	Ca_kabuli_chr01	18364007	AA	GG	1940133237
SNP_P1_7098_18364025	NC_021160.1	Ca_kabuli_chr01	18364025	AA	CC	1940133238
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SNP_P1_7101_18364106	NC_021160.1	Ca_kabuli_chr01	18364106	CC	AA	1940133240
SNP_P1_7102_18364120	NC_021160.1	Ca_kabuli_chr01	18364120	AA	GG	1940133241
SNP_P1_7103_18364147	NC_021160.1	Ca_kabuli_chr01	18364147	GG	AA	1940133242
SNP_P1_7104_18364161	NC_021160.1	Ca_kabuli_chr01	18364161	AA	GG	1940133244
SNP_P1_7105_18368634	NC_021160.1	Ca_kabuli_chr01	18368634	GG	TT	1940133245
SNP_P1_7106_18368747	NC_021160.1	Ca_kabuli_chr01	18368747	CC	TT	1940133246
SNP_P1_7107_18368773	NC_021160.1	Ca_kabuli_chr01	18368773	AA	GG	1940133247
SNP_P1_7108_18368817	NC_021160.1	Ca_kabuli_chr01	18368817	CC	GG	1940133248
SNP_P1_7109_18403695	NC_021160.1	Ca_kabuli_chr01	18403695	CC	TT	1940133249
SNP_P1_7110_18407748	NC_021160.1	Ca_kabuli_chr01	18407748	CC	TT	1940133250
SNP_P1_7111_18407938	NC_021160.1	Ca_kabuli_chr01	18407938	GG	AA	1940133251
SNP_P1_7112_18408133	NC_021160.1	Ca_kabuli_chr01	18408133	GG	AA	1940133252
SNP_P1_7113_18418385	NC_021160.1	Ca_kabuli_chr01	18418385	AA	CC	1940133253
SNP_P1_7114_18418963	NC_021160.1	Ca_kabuli_chr01	18418963	CC	TT	1940133254
SNP_P1_7115_18418967	NC_021160.1	Ca_kabuli_chr01	18418967	CC	TT	1940133255
SNP_P1_7116_18423783	NC_021160.1	Ca_kabuli_chr01	18423783	AA	GG	1940133256
SNP_P1_7117_18425388	NC_021160.1	Ca_kabuli_chr01	18425388	TT	CC	1940133257
SNP_P1_7118_18425471	NC_021160.1	Ca_kabuli_chr01	18425471	TT	AA	1940133258
SNP_P1_7121_18451233	NC_021160.1	Ca_kabuli_chr01	18451233	GG	AA	1940133259
SNP_P1_7122_18462384	NC_021160.1	Ca_kabuli_chr01	18462384	AA	GG	1940133260
SNP_P1_7123_18463380	NC_021160.1	Ca_kabuli_chr01	18463380	GG	AA	1940133261
SNP_P1_7124_18464285	NC_021160.1	Ca_kabuli_chr01	18464285	AA	GG	1940133263
SNP_P1_7125_18464313	NC_021160.1	Ca_kabuli_chr01	18464313	CC	TT	1940133264
SNP_P1_7126_18464348	NC_021160.1	Ca_kabuli_chr01	18464348	TT	CC	1940133265
SNP_P1_7127_18466077	NC_021160.1	Ca_kabuli_chr01	18466077	TT	CC	1940133266
SNP_P1_7128_18466093	NC_021160.1	Ca_kabuli_chr01	18466093	TT	CC	1940133267
SNP_P1_7129_18466132	NC_021160.1	Ca_kabuli_chr01	18466132	TT	CC	1940133268
SNP_P1_7130_18466138	NC_021160.1	Ca_kabuli_chr01	18466138	GG	AA	1940133269

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7134_18515141	NC_021160.1	Ca_kabuli_chr01	18515141	TT	CC	1940133271
SNP_P1_7135_18527748	NC_021160.1	Ca_kabuli_chr01	18527748	GG	TT	1940133272
SNP_P1_7136_18527828	NC_021160.1	Ca_kabuli_chr01	18527828	AA	CC	1940133273
SNP_P1_7137_18527941	NC_021160.1	Ca_kabuli_chr01	18527941	TT	CC	1940133274
SNP_P1_7138_18528184	NC_021160.1	Ca_kabuli_chr01	18528184	TT	AA	1940133275
SNP_P1_7140_18552339	NC_021160.1	Ca_kabuli_chr01	18552339	GG	AA	1940133276
SNP_P1_7141_18575787	NC_021160.1	Ca_kabuli_chr01	18575787	AA	GG	1940133277
SNP_P1_7142_18575800	NC_021160.1	Ca_kabuli_chr01	18575800	GG	AA	1940133278
SNP_P1_7143_18575931	NC_021160.1	Ca_kabuli_chr01	18575931	AA	GG	1940133279
SNP_P1_7144_18575933	NC_021160.1	Ca_kabuli_chr01	18575933	AA	GG	1940133280
SNP_P1_7145_18580647	NC_021160.1	Ca_kabuli_chr01	18580647	GG	TT	1940133282
SNP_P1_7146_18581148	NC_021160.1	Ca_kabuli_chr01	18581148	AA	GG	1940133283
SNP_P1_7147_18581151	NC_021160.1	Ca_kabuli_chr01	18581151	TT	AA	1940133284
SNP_P1_7148_18581583	NC_021160.1	Ca_kabuli_chr01	18581583	CC	AA	1940133285
SNP_P1_7149_18582856	NC_021160.1	Ca_kabuli_chr01	18582856	GG	TT	1940133286
SNP_P1_7150_18601680	NC_021160.1	Ca_kabuli_chr01	18601680	TT	CC	1940133287
SNP_P1_7151_18601714	NC_021160.1	Ca_kabuli_chr01	18601714	TT	GG	1940133288
SNP_P1_7152_18608282	NC_021160.1	Ca_kabuli_chr01	18608282	TT	CC	1940133289
SNP_P1_7154_18615867	NC_021160.1	Ca_kabuli_chr01	18615867	AA	GG	1940133290
SNP_P1_7155_18633243	NC_021160.1	Ca_kabuli_chr01	18633243	CC	TT	1940133291
SNP_P1_7156_18637998	NC_021160.1	Ca_kabuli_chr01	18637998	GG	TT	1940133292
SNP_P1_7157_18637999	NC_021160.1	Ca_kabuli_chr01	18637999	GG	AA	1940133293
SNP_P1_7158_18639620	NC_021160.1	Ca_kabuli_chr01	18639620	TT	CC	1940133294
SNP_P1_7159_18639684	NC_021160.1	Ca_kabuli_chr01	18639684	CC	AA	1940133295
SNP_P1_7160_18644492	NC_021160.1	Ca_kabuli_chr01	18644492	AA	TT	1940133296
SNP_P1_7161_18665684	NC_021160.1	Ca_kabuli_chr01	18665684	TT	CC	1940133297
SNP_P1_7162_18665687	NC_021160.1	Ca_kabuli_chr01	18665687	AA	CC	1940133298
SNP_P1_7163_18665964	NC_021160.1	Ca_kabuli_chr01	18665964	AA	TT	1940133299
SNP_P1_7164_18678219	NC_021160.1	Ca_kabuli_chr01	18678219	GG	AA	1940133301
SNP_P1_7165_18688504	NC_021160.1	Ca_kabuli_chr01	18688504	AA	GG	1940133302
SNP_P1_7168_18708782	NC_021160.1	Ca_kabuli_chr01	18708782	CC	GG	1940133303
SNP_P1_7169_18735316	NC_021160.1	Ca_kabuli_chr01	18735316	GG	AA	1940133304
SNP_P1_7170_18736511	NC_021160.1	Ca_kabuli_chr01	18736511	GG	AA	1940133305
SNP_P1_7171_18740378	NC_021160.1	Ca_kabuli_chr01	18740378	GG	AA	1940133306
SNP_P1_7172_18750718	NC_021160.1	Ca_kabuli_chr01	18750718	TT	CC	1940133307
SNP_P1_7174_18791167	NC_021160.1	Ca_kabuli_chr01	18791167	CC	TT	1940133308
SNP_P1_7175_18795277	NC_021160.1	Ca_kabuli_chr01	18795277	AA	GG	1940133309
SNP_P1_7176_18824051	NC_021160.1	Ca_kabuli_chr01	18824051	AA	GG	1940133310
SNP_P1_7177_18824103	NC_021160.1	Ca_kabuli_chr01	18824103	TT	GG	1940133311
SNP_P1_7178_18824205	NC_021160.1	Ca_kabuli_chr01	18824205	TT	CC	1940133312
SNP_P1_7179_18824447	NC_021160.1	Ca_kabuli_chr01	18824447	CC	TT	1940133313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7181_18824489	NC_021160.1	Ca_kabuli_chr01	18824489	TT	CC	1940133315
SNP_P1_7182_18824543	NC_021160.1	Ca_kabuli_chr01	18824543	TT	CC	1940133316
SNP_P1_7183_18846238	NC_021160.1	Ca_kabuli_chr01	18846238	CC	TT	1940133317
SNP_P1_7184_18846249	NC_021160.1	Ca_kabuli_chr01	18846249	CC	GG	1940133318
SNP_P1_7185_18868430	NC_021160.1	Ca_kabuli_chr01	18868430	GG	TT	1940133319
SNP_P1_7186_18868439	NC_021160.1	Ca_kabuli_chr01	18868439	CC	TT	1940133320
SNP_P1_7187_18868457	NC_021160.1	Ca_kabuli_chr01	18868457	AA	TT	1940133321
SNP_P1_7188_18868484	NC_021160.1	Ca_kabuli_chr01	18868484	GG	AA	1940133322
SNP_P1_7189_18868520	NC_021160.1	Ca_kabuli_chr01	18868520	GG	AA	1940133323
SNP_P1_7190_18868537	NC_021160.1	Ca_kabuli_chr01	18868537	AA	TT	1940133324
SNP_P1_7191_18868557	NC_021160.1	Ca_kabuli_chr01	18868557	TT	CC	1940133325
SNP_P1_7193_18868667	NC_021160.1	Ca_kabuli_chr01	18868667	AA	GG	1940133326
SNP_P1_7194_18868679	NC_021160.1	Ca_kabuli_chr01	18868679	AA	GG	1940133327
SNP_P1_7195_18868684	NC_021160.1	Ca_kabuli_chr01	18868684	CC	TT	1940133328
SNP_P1_7196_18868861	NC_021160.1	Ca_kabuli_chr01	18868861	GG	AA	1940133330
SNP_P1_7197_18870627	NC_021160.1	Ca_kabuli_chr01	18870627	GG	AA	1940133331
SNP_P1_7198_18880655	NC_021160.1	Ca_kabuli_chr01	18880655	TT	CC	1940133332
SNP_P1_7200_18881034	NC_021160.1	Ca_kabuli_chr01	18881034	GG	AA	1940133333
SNP_P1_7201_18881527	NC_021160.1	Ca_kabuli_chr01	18881527	CC	GG	1940133334
SNP_P1_7202_18897998	NC_021160.1	Ca_kabuli_chr01	18897998	CC	GG	1940133335
SNP_P1_7205_18914211	NC_021160.1	Ca_kabuli_chr01	18914211	CC	TT	1940133336
SNP_P1_7206_18914322	NC_021160.1	Ca_kabuli_chr01	18914322	TT	CC	1940133337
SNP_P1_7207_18918221	NC_021160.1	Ca_kabuli_chr01	18918221	CC	TT	1940133338
SNP_P1_7209_18933634	NC_021160.1	Ca_kabuli_chr01	18933634	TT	AA	1940133339
SNP_P1_7210_18949348	NC_021160.1	Ca_kabuli_chr01	18949348	GG	TT	1940133340
SNP_P1_7212_19005388	NC_021160.1	Ca_kabuli_chr01	19005388	AA	GG	1940133341
SNP_P1_7213_19022718	NC_021160.1	Ca_kabuli_chr01	19022718	AA	GG	1940133342
SNP_P1_7214_19025172	NC_021160.1	Ca_kabuli_chr01	19025172	CC	AA	1940133343
SNP_P1_7215_19025173	NC_021160.1	Ca_kabuli_chr01	19025173	TT	AA	1940133344
SNP_P1_7216_19025177	NC_021160.1	Ca_kabuli_chr01	19025177	TT	CC	1940133345
SNP_P1_7217_19025180	NC_021160.1	Ca_kabuli_chr01	19025180	CC	TT	1940133346
SNP_P1_7218_19025181	NC_021160.1	Ca_kabuli_chr01	19025181	CC	AA	1940133347
SNP_P1_7219_19025183	NC_021160.1	Ca_kabuli_chr01	19025183	GG	TT	1940133348
SNP_P1_7221_19058661	NC_021160.1	Ca_kabuli_chr01	19058661	AA	TT	1940133349
SNP_P1_7222_19059862	NC_021160.1	Ca_kabuli_chr01	19059862	TT	CC	1940133350
SNP_P1_7224_19084367	NC_021160.1	Ca_kabuli_chr01	19084367	GG	AA	1940133351
SNP_P1_7225_19089115	NC_021160.1	Ca_kabuli_chr01	19089115	AA	TT	1940133352
SNP_P1_7227_19094731	NC_021160.1	Ca_kabuli_chr01	19094731	TT	AA	1940133353
SNP_P1_7228_19111747	NC_021160.1	Ca_kabuli_chr01	19111747	TT	CC	1940133354
SNP_P1_7229_19131850	NC_021160.1	Ca_kabuli_chr01	19131850	CC	AA	1940133355
SNP_P1_7230_19134724	NC_021160.1	Ca_kabuli_chr01	19134724	TT	CC	1940133356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7232_19135057	NC_021160.1	Ca_kabuli_chr01	19135057	TT	GG	1940133358
SNP_P1_7233_19135075	NC_021160.1	Ca_kabuli_chr01	19135075	CC	AA	1940133359
SNP_P1_7234_19137424	NC_021160.1	Ca_kabuli_chr01	19137424	GG	AA	1940133360
SNP_P1_7235_19150701	NC_021160.1	Ca_kabuli_chr01	19150701	CC	AA	1940133361
SNP_P1_7237_19151000	NC_021160.1	Ca_kabuli_chr01	19151000	TT	CC	1940133362
SNP_P1_7238_19151002	NC_021160.1	Ca_kabuli_chr01	19151002	CC	AA	1940133363
SNP_P1_7239_19151031	NC_021160.1	Ca_kabuli_chr01	19151031	AA	TT	1940133364
SNP_P1_7240_19151037	NC_021160.1	Ca_kabuli_chr01	19151037	TT	AA	1940133365
SNP_P1_7241_19151103	NC_021160.1	Ca_kabuli_chr01	19151103	GG	AA	1940133366
SNP_P1_7242_19151104	NC_021160.1	Ca_kabuli_chr01	19151104	GG	AA	1940133367
SNP_P1_7243_19151112	NC_021160.1	Ca_kabuli_chr01	19151112	AA	GG	1940133368
SNP_P1_7244_19151134	NC_021160.1	Ca_kabuli_chr01	19151134	TT	CC	1940133369
SNP_P1_7245_19153251	NC_021160.1	Ca_kabuli_chr01	19153251	TT	CC	1940133371
SNP_P1_7246_19156542	NC_021160.1	Ca_kabuli_chr01	19156542	CC	TT	1940133372
SNP_P1_7247_19221959	NC_021160.1	Ca_kabuli_chr01	19221959	CC	TT	1940133373
SNP_P1_7248_19231097	NC_021160.1	Ca_kabuli_chr01	19231097	AA	GG	1940133374
SNP_P1_7249_19244214	NC_021160.1	Ca_kabuli_chr01	19244214	GG	TT	1940133375
SNP_P1_7250_19263244	NC_021160.1	Ca_kabuli_chr01	19263244	AA	GG	1940133376
SNP_P1_7251_19264696	NC_021160.1	Ca_kabuli_chr01	19264696	AA	GG	1940133377
SNP_P1_7252_19307885	NC_021160.1	Ca_kabuli_chr01	19307885	TT	CC	1940133378
SNP_P1_7253_19308243	NC_021160.1	Ca_kabuli_chr01	19308243	AA	GG	1940133379
SNP_P1_7255_19311081	NC_021160.1	Ca_kabuli_chr01	19311081	AA	GG	1940133380
SNP_P1_7256_19320543	NC_021160.1	Ca_kabuli_chr01	19320543	TT	CC	1940133381
SNP_P1_7257_19330909	NC_021160.1	Ca_kabuli_chr01	19330909	AA	GG	1940133382
SNP_P1_7258_19364003	NC_021160.1	Ca_kabuli_chr01	19364003	GG	TT	1940133383
SNP_P1_7259_19370592	NC_021160.1	Ca_kabuli_chr01	19370592	AA	GG	1940133384
SNP_P1_7260_19375538	NC_021160.1	Ca_kabuli_chr01	19375538	TT	CC	1940133385
SNP_P1_7261_19376030	NC_021160.1	Ca_kabuli_chr01	19376030	AA	CC	1940133386
SNP_P1_7262_19376141	NC_021160.1	Ca_kabuli_chr01	19376141	GG	TT	1940133387
SNP_P1_7263_19377242	NC_021160.1	Ca_kabuli_chr01	19377242	CC	TT	1940133388
SNP_P1_7264_19392054	NC_021160.1	Ca_kabuli_chr01	19392054	TT	AA	1940133389
SNP_P1_7266_19422493	NC_021160.1	Ca_kabuli_chr01	19422493	TT	CC	1940133390
SNP_P1_7267_19422853	NC_021160.1	Ca_kabuli_chr01	19422853	TT	CC	1940133391
SNP_P1_7269_19422930	NC_021160.1	Ca_kabuli_chr01	19422930	AA	GG	1940133392
SNP_P1_7271_19423123	NC_021160.1	Ca_kabuli_chr01	19423123	CC	TT	1940133393
SNP_P1_7272_19423192	NC_021160.1	Ca_kabuli_chr01	19423192	TT	CC	1940133394
SNP_P1_7273_19423300	NC_021160.1	Ca_kabuli_chr01	19423300	GG	AA	1940133395
SNP_P1_7274_19423310	NC_021160.1	Ca_kabuli_chr01	19423310	TT	GG	1940133396
SNP_P1_7276_19427104	NC_021160.1	Ca_kabuli_chr01	19427104	TT	CC	1940133397
SNP_P1_7277_19427159	NC_021160.1	Ca_kabuli_chr01	19427159	AA	GG	1940133398
SNP_P1_7278_19427178	NC_021160.1	Ca_kabuli_chr01	19427178	GG	TT	1940133399

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7281_19431349	NC_021160.1	Ca_kabuli_chr01	19431349	GG	AA	1940133402
SNP_P1_7282_19431381	NC_021160.1	Ca_kabuli_chr01	19431381	TT	CC	1940133403
SNP_P1_7283_19431426	NC_021160.1	Ca_kabuli_chr01	19431426	CC	GG	1940133404
SNP_P1_7286_19431710	NC_021160.1	Ca_kabuli_chr01	19431710	AA	TT	1940133405
SNP_P1_7287_19431739	NC_021160.1	Ca_kabuli_chr01	19431739	AA	GG	1940133406
SNP_P1_7288_19458248	NC_021160.1	Ca_kabuli_chr01	19458248	TT	CC	1940133407
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SNP_P1_7290_19474207	NC_021160.1	Ca_kabuli_chr01	19474207	TT	CC	1940133410
SNP_P1_7293_19499056	NC_021160.1	Ca_kabuli_chr01	19499056	AA	GG	1940133411
SNP_P1_7294_19499108	NC_021160.1	Ca_kabuli_chr01	19499108	AA	CC	1940133412
SNP_P1_7295_19499140	NC_021160.1	Ca_kabuli_chr01	19499140	CC	GG	1940133413
SNP_P1_7296_19499186	NC_021160.1	Ca_kabuli_chr01	19499186	AA	CC	1940133414
SNP_P1_7297_19499194	NC_021160.1	Ca_kabuli_chr01	19499194	GG	TT	1940133415
SNP_P1_7298_19505878	NC_021160.1	Ca_kabuli_chr01	19505878	CC	TT	1940133416
SNP_P1_7299_19505891	NC_021160.1	Ca_kabuli_chr01	19505891	CC	AA	1940133417
SNP_P1_7300_19506161	NC_021160.1	Ca_kabuli_chr01	19506161	GG	AA	1940133418
SNP_P1_7301_19506730	NC_021160.1	Ca_kabuli_chr01	19506730	CC	TT	1940133419
SNP_P1_7302_19507308	NC_021160.1	Ca_kabuli_chr01	19507308	TT	CC	1940133420
SNP_P1_7303_19507376	NC_021160.1	Ca_kabuli_chr01	19507376	AA	CC	1940133421
SNP_P1_7304_19508659	NC_021160.1	Ca_kabuli_chr01	19508659	TT	GG	1940133422
SNP_P1_7306_19525597	NC_021160.1	Ca_kabuli_chr01	19525597	GG	CC	1940133423
SNP_P1_7309_19562654	NC_021160.1	Ca_kabuli_chr01	19562654	CC	TT	1940133424
SNP_P1_7310_19586986	NC_021160.1	Ca_kabuli_chr01	19586986	CC	TT	1940133425
SNP_P1_7311_19619453	NC_021160.1	Ca_kabuli_chr01	19619453	GG	CC	1940133426
SNP_P1_7312_19619792	NC_021160.1	Ca_kabuli_chr01	19619792	AA	GG	1940133427
SNP_P1_7313_19619861	NC_021160.1	Ca_kabuli_chr01	19619861	TT	CC	1940133428
SNP_P1_7314_19619866	NC_021160.1	Ca_kabuli_chr01	19619866	AA	CC	1940133429
SNP_P1_7315_19619915	NC_021160.1	Ca_kabuli_chr01	19619915	TT	CC	1940133430
SNP_P1_7316_19619921	NC_021160.1	Ca_kabuli_chr01	19619921	TT	CC	1940133431
SNP_P1_7317_19619928	NC_021160.1	Ca_kabuli_chr01	19619928	AA	GG	1940133432
SNP_P1_7318_19619929	NC_021160.1	Ca_kabuli_chr01	19619929	TT	CC	1940133433
SNP_P1_7319_19626131	NC_021160.1	Ca_kabuli_chr01	19626131	AA	GG	1940133434
SNP_P1_7320_19626514	NC_021160.1	Ca_kabuli_chr01	19626514	AA	GG	1940133435
SNP_P1_7321_19627951	NC_021160.1	Ca_kabuli_chr01	19627951	TT	CC	1940133436
SNP_P1_7322_19631705	NC_021160.1	Ca_kabuli_chr01	19631705	TT	GG	1940133437
SNP_P1_7323_19631708	NC_021160.1	Ca_kabuli_chr01	19631708	TT	CC	1940133438
SNP_P1_7325_19634466	NC_021160.1	Ca_kabuli_chr01	19634466	CC	TT	1940133439
SNP_P1_7326_19634480	NC_021160.1	Ca_kabuli_chr01	19634480	CC	TT	1940133441
SNP_P1_7327_19634498	NC_021160.1	Ca_kabuli_chr01	19634498	GG	TT	1940133442
SNP_P1_7328_19634523	NC_021160.1	Ca_kabuli_chr01	19634523	AA	GG	1940133443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_7329_19635833	NC_021160.1	Ca_kabuli_chr01	19635833	TT	CC	1940133444
SNP_P1_7330_19639531	NC_021160.1	Ca_kabuli_chr01	19639531	AA	CC	1940133445
SNP_P1_7331_19639534	NC_021160.1	Ca_kabuli_chr01	19639534	AA	CC	1940133446
SNP_P1_7332_19649710	NC_021160.1	Ca_kabuli_chr01	19649710	CC	TT	1940133447
SNP_P1_7333_19665262	NC_021160.1	Ca_kabuli_chr01	19665262	AA	GG	1940133448
SNP_P1_7334_19672199	NC_021160.1	Ca_kabuli_chr01	19672199	AA	TT	1940133449
SNP_P1_7335_19672200	NC_021160.1	Ca_kabuli_chr01	19672200	AA	CC	1940133450
SNP_P1_7336_19672917	NC_021160.1	Ca_kabuli_chr01	19672917	TT	CC	1940133451
SNP_P1_7337_19672918	NC_021160.1	Ca_kabuli_chr01	19672918	TT	CC	1940133452
SNP_P1_7339_19697200	NC_021160.1	Ca_kabuli_chr01	19697200	AA	GG	1940133453
SNP_P1_7340_19697357	NC_021160.1	Ca_kabuli_chr01	19697357	TT	CC	1940133454
SNP_P1_7341_19697538	NC_021160.1	Ca_kabuli_chr01	19697538	CC	TT	1940133455
SNP_P1_7342_19697674	NC_021160.1	Ca_kabuli_chr01	19697674	AA	GG	1940133457
SNP_P1_7343_19697718	NC_021160.1	Ca_kabuli_chr01	19697718	AA	TT	1940133458
SNP_P1_7344_19697724	NC_021160.1	Ca_kabuli_chr01	19697724	TT	AA	1940133459
SNP_P1_7345_19719284	NC_021160.1	Ca_kabuli_chr01	19719284	AA	GG	1940133460
SNP_P1_7346_19720994	NC_021160.1	Ca_kabuli_chr01	19720994	AA	GG	1940133461
SNP_P1_7347_19724952	NC_021160.1	Ca_kabuli_chr01	19724952	CC	AA	1940133462
SNP_P1_7348_19733472	NC_021160.1	Ca_kabuli_chr01	19733472	CC	TT	1940133463
SNP_P1_7349_19733481	NC_021160.1	Ca_kabuli_chr01	19733481	TT	AA	1940133464
SNP_P1_7350_19733491	NC_021160.1	Ca_kabuli_chr01	19733491	AA	TT	1940133465
SNP_P1_7351_19742632	NC_021160.1	Ca_kabuli_chr01	19742632	CC	TT	1940133466
SNP_P1_7352_19742669	NC_021160.1	Ca_kabuli_chr01	19742669	GG	TT	1940133467
SNP_P1_7353_19742684	NC_021160.1	Ca_kabuli_chr01	19742684	CC	TT	1940133468
SNP_P1_7354_19742713	NC_021160.1	Ca_kabuli_chr01	19742713	GG	AA	1940133470
SNP_P1_7355_19742720	NC_021160.1	Ca_kabuli_chr01	19742720	GG	TT	1940133471
SNP_P1_7356_19742756	NC_021160.1	Ca_kabuli_chr01	19742756	CC	AA	1940133472
SNP_P1_7357_19764066	NC_021160.1	Ca_kabuli_chr01	19764066	TT	CC	1940133473
SNP_P1_7358_19774512	NC_021160.1	Ca_kabuli_chr01	19774512	TT	CC	1940133474
SNP_P1_7359_19792765	NC_021160.1	Ca_kabuli_chr01	19792765	AA	CC	1940133475
SNP_P1_7360_19800544	NC_021160.1	Ca_kabuli_chr01	19800544	GG	TT	1940133476
SNP_P1_7361_19812981	NC_021160.1	Ca_kabuli_chr01	19812981	TT	CC	1940133477
SNP_P1_7362_19812997	NC_021160.1	Ca_kabuli_chr01	19812997	CC	TT	1940133478
SNP_P1_7363_19813034	NC_021160.1	Ca_kabuli_chr01	19813034	TT	CC	1940133479
SNP_P1_7364_19813041	NC_021160.1	Ca_kabuli_chr01	19813041	CC	TT	1940133480
SNP_P1_7365_19813060	NC_021160.1	Ca_kabuli_chr01	19813060	AA	GG	1940133482
SNP_P1_7366_19813086	NC_021160.1	Ca_kabuli_chr01	19813086	AA	CC	1940133483
SNP_P1_7367_19813088	NC_021160.1	Ca_kabuli_chr01	19813088	CC	GG	1940133484
SNP_P1_7368_19843395	NC_021160.1	Ca_kabuli_chr01	19843395	CC	TT	1940133485
SNP_P1_7369_19846667	NC_021160.1	Ca_kabuli_chr01	19846667	CC	AA	1940133486
SNP_P1_7370_19846668	NC_021160.1	Ca_kabuli_chr01	19846668	TT	CC	1940133487
SNP_P1_7371_19851276	NC_021160.1	Ca_kabuli_chr01	19851276	AA	GG	1940133488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_7372_19851384	NC_021160.1	Ca_kabuli_chr01	19851384	AA	TT	1940133489
SNP_P1_7373_19860542	NC_021160.1	Ca_kabuli_chr01	19860542	AA	GG	1940133490
SNP_P1_7374_19893569	NC_021160.1	Ca_kabuli_chr01	19893569	CC	GG	1940133491
SNP_P1_7376_19909020	NC_021160.1	Ca_kabuli_chr01	19909020	GG	AA	1940133492
SNP_P1_7378_19931308	NC_021160.1	Ca_kabuli_chr01	19931308	GG	TT	1940133493
SNP_P1_7379_19938927	NC_021160.1	Ca_kabuli_chr01	19938927	TT	AA	1940133494
SNP_P1_7381_19952894	NC_021160.1	Ca_kabuli_chr01	19952894	CC	TT	1940133495
SNP_P1_7382_19956139	NC_021160.1	Ca_kabuli_chr01	19956139	AA	GG	1940133496
SNP_P1_7383_19960985	NC_021160.1	Ca_kabuli_chr01	19960985	TT	AA	1940133497
SNP_P1_7385_19968815	NC_021160.1	Ca_kabuli_chr01	19968815	AA	GG	1940133498
SNP_P1_7386_19970001	NC_021160.1	Ca_kabuli_chr01	19970001	AA	GG	1940133499
SNP_P1_7387_19972411	NC_021160.1	Ca_kabuli_chr01	19972411	AA	GG	1940133500
SNP_P1_7388_20000869	NC_021160.1	Ca_kabuli_chr01	20000869	GG	AA	1940133501
SNP_P1_7389_20002887	NC_021160.1	Ca_kabuli_chr01	20002887	GG	CC	1940133502
SNP_P1_7390_20039824	NC_021160.1	Ca_kabuli_chr01	20039824	TT	GG	1940133503
SNP_P1_7391_20058807	NC_021160.1	Ca_kabuli_chr01	20058807	GG	AA	1940133504
SNP_P1_7392_20072771	NC_021160.1	Ca_kabuli_chr01	20072771	TT	AA	1940133505
SNP_P1_7393_20085134	NC_021160.1	Ca_kabuli_chr01	20085134	GG	TT	1940133506
SNP_P1_7395_20132520	NC_021160.1	Ca_kabuli_chr01	20132520	AA	GG	1940133507
SNP_P1_7396_21570582	NC_021160.1	Ca_kabuli_chr01	21570582	AA	GG	1940133508
SNP_P1_7397_21570909	NC_021160.1	Ca_kabuli_chr01	21570909	GG	AA	1940133509
SNP_P1_7398_21572248	NC_021160.1	Ca_kabuli_chr01	21572248	CC	TT	1940133510
SNP_P1_7399_21572265	NC_021160.1	Ca_kabuli_chr01	21572265	AA	CC	1940133511
SNP_P1_7400_21572277	NC_021160.1	Ca_kabuli_chr01	21572277	AA	GG	1940133512
SNP_P1_7401_21622106	NC_021160.1	Ca_kabuli_chr01	21622106	GG	AA	1940133514
SNP_P1_7402_21627563	NC_021160.1	Ca_kabuli_chr01	21627563	CC	TT	1940133515
SNP_P1_7403_21635688	NC_021160.1	Ca_kabuli_chr01	21635688	TT	AA	1940133516
SNP_P1_7404_21644975	NC_021160.1	Ca_kabuli_chr01	21644975	TT	CC	1940133517
SNP_P1_7405_21647895	NC_021160.1	Ca_kabuli_chr01	21647895	AA	GG	1940133518
SNP_P1_7406_21654922	NC_021160.1	Ca_kabuli_chr01	21654922	GG	AA	1940133519
SNP_P1_7408_21657089	NC_021160.1	Ca_kabuli_chr01	21657089	AA	GG	1940133520
SNP_P1_7409_21657102	NC_021160.1	Ca_kabuli_chr01	21657102	AA	CC	1940133521
SNP_P1_7410_21657337	NC_021160.1	Ca_kabuli_chr01	21657337	AA	TT	1940133522
SNP_P1_7411_21657432	NC_021160.1	Ca_kabuli_chr01	21657432	TT	CC	1940133523
SNP_P1_7412_21657436	NC_021160.1	Ca_kabuli_chr01	21657436	AA	GG	1940133524
SNP_P1_7413_21657538	NC_021160.1	Ca_kabuli_chr01	21657538	TT	AA	1940133525
SNP_P1_7414_21657580	NC_021160.1	Ca_kabuli_chr01	21657580	AA	GG	1940133526
SNP_P1_7415_21657610	NC_021160.1	Ca_kabuli_chr01	21657610	AA	GG	1940133527
SNP_P1_7416_21657625	NC_021160.1	Ca_kabuli_chr01	21657625	AA	GG	1940133528
SNP_P1_7417_21657643	NC_021160.1	Ca_kabuli_chr01	21657643	TT	GG	1940133529
SNP_P1_7418_21657661	NC_021160.1	Ca_kabuli_chr01	21657661	GG	TT	1940133530
SNP_P1_7419_21657667	NC_021160.1	Ca_kabuli_chr01	21657667	GG	AA	1940133531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_7420_21657697	NC_021160.1	Ca_kabuli_chr01	21657697	AA	GG	1940133532
SNP_P1_7421_21657714	NC_021160.1	Ca_kabuli_chr01	21657714	GG	AA	1940133533
SNP_P1_7423_21657732	NC_021160.1	Ca_kabuli_chr01	21657732	AA	GG	1940133534
SNP_P1_7424_21657733	NC_021160.1	Ca_kabuli_chr01	21657733	GG	AA	1940133535
SNP_P1_7425_21657769	NC_021160.1	Ca_kabuli_chr01	21657769	GG	AA	1940133536
SNP_P1_7426_21657787	NC_021160.1	Ca_kabuli_chr01	21657787	AA	TT	1940133537
SNP_P1_7427_21657811	NC_021160.1	Ca_kabuli_chr01	21657811	AA	GG	1940133538
SNP_P1_7428_21657817	NC_021160.1	Ca_kabuli_chr01	21657817	GG	AA	1940133539
SNP_P1_7429_21657838	NC_021160.1	Ca_kabuli_chr01	21657838	TT	CC	1940133540
SNP_P1_7430_21657847	NC_021160.1	Ca_kabuli_chr01	21657847	TT	AA	1940133541
SNP_P1_7431_21657850	NC_021160.1	Ca_kabuli_chr01	21657850	AA	TT	1940133542
SNP_P1_7432_21657859	NC_021160.1	Ca_kabuli_chr01	21657859	GG	AA	1940133543
SNP_P1_7433_21657862	NC_021160.1	Ca_kabuli_chr01	21657862	CC	TT	1940133544
SNP_P1_7434_21657865	NC_021160.1	Ca_kabuli_chr01	21657865	TT	CC	1940133545
SNP_P1_7435_21657909	NC_021160.1	Ca_kabuli_chr01	21657909	CC	TT	1940133546
SNP_P1_7436_21657913	NC_021160.1	Ca_kabuli_chr01	21657913	AA	TT	1940133547
SNP_P1_7437_21657925	NC_021160.1	Ca_kabuli_chr01	21657925	AA	TT	1940133548
SNP_P1_7438_21669688	NC_021160.1	Ca_kabuli_chr01	21669688	TT	CC	1940133549
SNP_P1_7440_21699390	NC_021160.1	Ca_kabuli_chr01	21699390	CC	TT	1940133550
SNP_P1_7441_21699877	NC_021160.1	Ca_kabuli_chr01	21699877	AA	GG	1940133551
SNP_P1_7442_21699905	NC_021160.1	Ca_kabuli_chr01	21699905	GG	AA	1940133552
SNP_P1_7443_21699906	NC_021160.1	Ca_kabuli_chr01	21699906	AA	GG	1940133554
SNP_P1_7444_21703194	NC_021160.1	Ca_kabuli_chr01	21703194	AA	TT	1940133555
SNP_P1_7445_21703195	NC_021160.1	Ca_kabuli_chr01	21703195	AA	TT	1940133556
SNP_P1_7446_21716090	NC_021160.1	Ca_kabuli_chr01	21716090	GG	TT	1940133557
SNP_P1_7447_21716092	NC_021160.1	Ca_kabuli_chr01	21716092	GG	TT	1940133558
SNP_P1_7450_21763125	NC_021160.1	Ca_kabuli_chr01	21763125	GG	AA	1940133559
SNP_P1_7451_21768976	NC_021160.1	Ca_kabuli_chr01	21768976	TT	CC	1940133560
SNP_P1_7452_21769564	NC_021160.1	Ca_kabuli_chr01	21769564	AA	TT	1940133561
SNP_P1_7454_21777420	NC_021160.1	Ca_kabuli_chr01	21777420	AA	TT	1940133562
SNP_P1_7455_21777810	NC_021160.1	Ca_kabuli_chr01	21777810	GG	AA	1940133563
SNP_P1_7456_21777841	NC_021160.1	Ca_kabuli_chr01	21777841	CC	AA	1940133564
SNP_P1_7457_21786339	NC_021160.1	Ca_kabuli_chr01	21786339	AA	GG	1940133565
SNP_P1_7458_21811281	NC_021160.1	Ca_kabuli_chr01	21811281	GG	AA	1940133566
SNP_P1_7459_21813807	NC_021160.1	Ca_kabuli_chr01	21813807	GG	CC	1940133567
SNP_P1_7460_21814175	NC_021160.1	Ca_kabuli_chr01	21814175	TT	GG	1940133568
SNP_P1_7461_21814186	NC_021160.1	Ca_kabuli_chr01	21814186	AA	CC	1940133569
SNP_P1_7462_21818515	NC_021160.1	Ca_kabuli_chr01	21818515	AA	GG	1940133570
SNP_P1_7463_21820967	NC_021160.1	Ca_kabuli_chr01	21820967	CC	TT	1940133571
SNP_P1_7464_21831338	NC_021160.1	Ca_kabuli_chr01	21831338	GG	AA	1940133572
SNP_P1_7465_21834793	NC_021160.1	Ca_kabuli_chr01	21834793	GG	AA	1940133573
SNP_P1_7466_21840211	NC_021160.1	Ca_kabuli_chr01	21840211	TT	CC	1940133574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_7468_21867857	NC_021160.1	Ca_kabuli_chr01	21867857	CC	AA	1940133575
SNP_P1_7469_21873070	NC_021160.1	Ca_kabuli_chr01	21873070	AA	TT	1940133576
SNP_P1_7470_21873925	NC_021160.1	Ca_kabuli_chr01	21873925	GG	AA	1940133577
SNP_P1_7471_21891203	NC_021160.1	Ca_kabuli_chr01	21891203	GG	AA	1940133578
SNP_P1_7473_21919134	NC_021160.1	Ca_kabuli_chr01	21919134	TT	CC	1940133579
SNP_P1_7475_21951179	NC_021160.1	Ca_kabuli_chr01	21951179	AA	GG	1940133580
SNP_P1_7477_21994195	NC_021160.1	Ca_kabuli_chr01	21994195	TT	CC	1940133581
SNP_P1_7478_21994281	NC_021160.1	Ca_kabuli_chr01	21994281	CC	AA	1940133582
SNP_P1_7479_21994576	NC_021160.1	Ca_kabuli_chr01	21994576	CC	TT	1940133583
SNP_P1_7480_21994845	NC_021160.1	Ca_kabuli_chr01	21994845	AA	GG	1940133584
SNP_P1_7481_22001355	NC_021160.1	Ca_kabuli_chr01	22001355	GG	TT	1940133585
SNP_P1_7482_22012537	NC_021160.1	Ca_kabuli_chr01	22012537	GG	AA	1940133586
SNP_P1_7483_22023190	NC_021160.1	Ca_kabuli_chr01	22023190	GG	CC	1940133587
SNP_P1_7484_22025267	NC_021160.1	Ca_kabuli_chr01	22025267	TT	CC	1940133588
SNP_P1_7485_22028364	NC_021160.1	Ca_kabuli_chr01	22028364	TT	CC	1940133589
SNP_P1_7487_22032780	NC_021160.1	Ca_kabuli_chr01	22032780	CC	AA	1940133590
SNP_P1_7488_22065235	NC_021160.1	Ca_kabuli_chr01	22065235	AA	TT	1940133591
SNP_P1_7489_22069336	NC_021160.1	Ca_kabuli_chr01	22069336	GG	AA	1940133592
SNP_P1_7490_22069342	NC_021160.1	Ca_kabuli_chr01	22069342	CC	AA	1940133594
SNP_P1_7491_22070133	NC_021160.1	Ca_kabuli_chr01	22070133	GG	TT	1940133595
SNP_P1_7492_22070192	NC_021160.1	Ca_kabuli_chr01	22070192	AA	TT	1940133596
SNP_P1_7493_22070203	NC_021160.1	Ca_kabuli_chr01	22070203	AA	TT	1940133597
SNP_P1_7494_22070437	NC_021160.1	Ca_kabuli_chr01	22070437	AA	GG	1940133598
SNP_P1_7495_22070637	NC_021160.1	Ca_kabuli_chr01	22070637	AA	TT	1940133599
SNP_P1_7496_22070706	NC_021160.1	Ca_kabuli_chr01	22070706	AA	TT	1940133600
SNP_P1_7497_22070725	NC_021160.1	Ca_kabuli_chr01	22070725	TT	GG	1940133601
SNP_P1_7498_22070779	NC_021160.1	Ca_kabuli_chr01	22070779	TT	GG	1940133602
SNP_P1_7499_22071007	NC_021160.1	Ca_kabuli_chr01	22071007	GG	CC	1940133603
SNP_P1_7500_22071039	NC_021160.1	Ca_kabuli_chr01	22071039	TT	AA	1940133604
SNP_P1_7501_22071052	NC_021160.1	Ca_kabuli_chr01	22071052	CC	AA	1940133605
SNP_P1_7502_22071071	NC_021160.1	Ca_kabuli_chr01	22071071	CC	TT	1940133606
SNP_P1_7503_22071314	NC_021160.1	Ca_kabuli_chr01	22071314	CC	TT	1940133607
SNP_P1_7504_22071320	NC_021160.1	Ca_kabuli_chr01	22071320	CC	TT	1940133608
SNP_P1_7505_22071361	NC_021160.1	Ca_kabuli_chr01	22071361	AA	GG	1940133609
SNP_P1_7506_22071366	NC_021160.1	Ca_kabuli_chr01	22071366	AA	GG	1940133610
SNP_P1_7507_22071381	NC_021160.1	Ca_kabuli_chr01	22071381	GG	AA	1940133611
SNP_P1_7508_22071565	NC_021160.1	Ca_kabuli_chr01	22071565	AA	GG	1940133612
SNP_P1_7509_22071614	NC_021160.1	Ca_kabuli_chr01	22071614	AA	TT	1940133613
SNP_P1_7510_22071805	NC_021160.1	Ca_kabuli_chr01	22071805	GG	AA	1940133614
SNP_P1_7511_22071977	NC_021160.1	Ca_kabuli_chr01	22071977	AA	GG	1940133615
SNP_P1_7512_22079731	NC_021160.1	Ca_kabuli_chr01	22079731	GG	AA	1940133616
SNP_P1_7514_22100831	NC_021160.1	Ca_kabuli_chr01	22100831	AA	TT	1940133617

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_7515_22125892	NC_021160.1	Ca_kabuli_chr01	22125892	CC	AA	1940133618
SNP_P1_7516_22125895	NC_021160.1	Ca_kabuli_chr01	22125895	CC	TT	1940133619
SNP_P1_7517_22125933	NC_021160.1	Ca_kabuli_chr01	22125933	GG	AA	1940133620
SNP_P1_7518_22131043	NC_021160.1	Ca_kabuli_chr01	22131043	CC	TT	1940133622
SNP_P1_7519_22131124	NC_021160.1	Ca_kabuli_chr01	22131124	CC	TT	1940133623
SNP_P1_7520_22131225	NC_021160.1	Ca_kabuli_chr01	22131225	CC	AA	1940133624
SNP_P1_7522_22131347	NC_021160.1	Ca_kabuli_chr01	22131347	AA	GG	1940133625
SNP_P1_7523_22131419	NC_021160.1	Ca_kabuli_chr01	22131419	GG	AA	1940133626
SNP_P1_7524_22131488	NC_021160.1	Ca_kabuli_chr01	22131488	CC	TT	1940133627
SNP_P1_7526_22131677	NC_021160.1	Ca_kabuli_chr01	22131677	AA	GG	1940133628
SNP_P1_7527_22131740	NC_021160.1	Ca_kabuli_chr01	22131740	TT	CC	1940133629
SNP_P1_7528_22131743	NC_021160.1	Ca_kabuli_chr01	22131743	TT	CC	1940133630
SNP_P1_7529_22131861	NC_021160.1	Ca_kabuli_chr01	22131861	GG	AA	1940133631
SNP_P1_7530_22132010	NC_021160.1	Ca_kabuli_chr01	22132010	AA	CC	1940133632
SNP_P1_7532_22132121	NC_021160.1	Ca_kabuli_chr01	22132121	CC	GG	1940133634
SNP_P1_7533_22132172	NC_021160.1	Ca_kabuli_chr01	22132172	AA	GG	1940133635
SNP_P1_7534_22132229	NC_021160.1	Ca_kabuli_chr01	22132229	CC	TT	1940133636
SNP_P1_7535_22132495	NC_021160.1	Ca_kabuli_chr01	22132495	AA	GG	1940133637
SNP_P1_7536_22132506	NC_021160.1	Ca_kabuli_chr01	22132506	CC	TT	1940133638
SNP_P1_7537_22132542	NC_021160.1	Ca_kabuli_chr01	22132542	AA	GG	1940133639
SNP_P1_7538_22132550	NC_021160.1	Ca_kabuli_chr01	22132550	AA	TT	1940133640
SNP_P1_7539_22132578	NC_021160.1	Ca_kabuli_chr01	22132578	CC	TT	1940133641
SNP_P1_7540_22132810	NC_021160.1	Ca_kabuli_chr01	22132810	GG	AA	1940133642
SNP_P1_7541_22132899	NC_021160.1	Ca_kabuli_chr01	22132899	AA	GG	1940133643
SNP_P1_7542_22132980	NC_021160.1	Ca_kabuli_chr01	22132980	AA	GG	1940133645
SNP_P1_7543_22133069	NC_021160.1	Ca_kabuli_chr01	22133069	GG	AA	1940133646
SNP_P1_7544_22133117	NC_021160.1	Ca_kabuli_chr01	22133117	CC	TT	1940133647
SNP_P1_7545_22133125	NC_021160.1	Ca_kabuli_chr01	22133125	GG	AA	1940133648
SNP_P1_7546_22133130	NC_021160.1	Ca_kabuli_chr01	22133130	AA	TT	1940133649
SNP_P1_7547_22133140	NC_021160.1	Ca_kabuli_chr01	22133140	TT	AA	1940133650
SNP_P1_7548_22133171	NC_021160.1	Ca_kabuli_chr01	22133171	GG	AA	1940133651
SNP_P1_7549_22133214	NC_021160.1	Ca_kabuli_chr01	22133214	TT	CC	1940133652
SNP_P1_7550_22133318	NC_021160.1	Ca_kabuli_chr01	22133318	TT	GG	1940133653
SNP_P1_7551_22133349	NC_021160.1	Ca_kabuli_chr01	22133349	AA	CC	1940133654
SNP_P1_7552_22133389	NC_021160.1	Ca_kabuli_chr01	22133389	AA	GG	1940133655
SNP_P1_7553_22133611	NC_021160.1	Ca_kabuli_chr01	22133611	GG	AA	1940133656
SNP_P1_7554_22140106	NC_021160.1	Ca_kabuli_chr01	22140106	AA	GG	1940133658
SNP_P1_7555_22161744	NC_021160.1	Ca_kabuli_chr01	22161744	AA	GG	1940133659
SNP_P1_7556_22165772	NC_021160.1	Ca_kabuli_chr01	22165772	AA	TT	1940133660
SNP_P1_7557_22171785	NC_021160.1	Ca_kabuli_chr01	22171785	GG	AA	1940133661
SNP_P1_7558_22172555	NC_021160.1	Ca_kabuli_chr01	22172555	TT	CC	1940133662
SNP_P1_7560_22187502	NC_021160.1	Ca_kabuli_chr01	22187502	GG	AA	1940133663

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7562_22188763	NC_021160.1	Ca_kabuli_chr01	22188763	TT	AA	1940133665
SNP_P1_7567_22200846	NC_021160.1	Ca_kabuli_chr01	22200846	TT	GG	1940133666
SNP_P1_7568_22201071	NC_021160.1	Ca_kabuli_chr01	22201071	CC	AA	1940133667
SNP_P1_7569_22201327	NC_021160.1	Ca_kabuli_chr01	22201327	AA	CC	1940133668
SNP_P1_7570_22202621	NC_021160.1	Ca_kabuli_chr01	22202621	GG	TT	1940133669
SNP_P1_7571_22202685	NC_021160.1	Ca_kabuli_chr01	22202685	CC	TT	1940133670
SNP_P1_7572_22225204	NC_021160.1	Ca_kabuli_chr01	22225204	AA	GG	1940133671
SNP_P1_7573_22226915	NC_021160.1	Ca_kabuli_chr01	22226915	AA	GG	1940133672
SNP_P1_7574_22232098	NC_021160.1	Ca_kabuli_chr01	22232098	AA	CC	1940133673
SNP_P1_7575_22241501	NC_021160.1	Ca_kabuli_chr01	22241501	CC	GG	1940133674
SNP_P1_7576_22241534	NC_021160.1	Ca_kabuli_chr01	22241534	TT	CC	1940133675
SNP_P1_7577_22241591	NC_021160.1	Ca_kabuli_chr01	22241591	GG	TT	1940133676
SNP_P1_7578_22241602	NC_021160.1	Ca_kabuli_chr01	22241602	GG	AA	1940133677
SNP_P1_7579_22241634	NC_021160.1	Ca_kabuli_chr01	22241634	GG	AA	1940133678
SNP_P1_7580_22241848	NC_021160.1	Ca_kabuli_chr01	22241848	TT	AA	1940133679
SNP_P1_7581_22242083	NC_021160.1	Ca_kabuli_chr01	22242083	AA	CC	1940133680
SNP_P1_7582_22244563	NC_021160.1	Ca_kabuli_chr01	22244563	CC	GG	1940133681
SNP_P1_7583_22244565	NC_021160.1	Ca_kabuli_chr01	22244565	CC	TT	1940133682
SNP_P1_7584_22244596	NC_021160.1	Ca_kabuli_chr01	22244596	TT	AA	1940133683
SNP_P1_7585_22244601	NC_021160.1	Ca_kabuli_chr01	22244601	GG	AA	1940133685
SNP_P1_7586_22244666	NC_021160.1	Ca_kabuli_chr01	22244666	TT	AA	1940133686
SNP_P1_7587_22244724	NC_021160.1	Ca_kabuli_chr01	22244724	AA	GG	1940133687
SNP_P1_7588_22244729	NC_021160.1	Ca_kabuli_chr01	22244729	TT	GG	1940133688
SNP_P1_7589_22244767	NC_021160.1	Ca_kabuli_chr01	22244767	CC	AA	1940133689
SNP_P1_7590_22244797	NC_021160.1	Ca_kabuli_chr01	22244797	AA	TT	1940133690
SNP_P1_7591_22244937	NC_021160.1	Ca_kabuli_chr01	22244937	GG	AA	1940133691
SNP_P1_7592_22244999	NC_021160.1	Ca_kabuli_chr01	22244999	TT	AA	1940133692
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SNP_P1_7594_22245001	NC_021160.1	Ca_kabuli_chr01	22245001	TT	GG	1940133694
SNP_P1_7595_22245002	NC_021160.1	Ca_kabuli_chr01	22245002	GG	CC	1940133695
SNP_P1_7596_22245020	NC_021160.1	Ca_kabuli_chr01	22245020	CC	AA	1940133696
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SNP_P1_7598_22245076	NC_021160.1	Ca_kabuli_chr01	22245076	CC	AA	1940133698
SNP_P1_7599_22245077	NC_021160.1	Ca_kabuli_chr01	22245077	CC	TT	1940133699
SNP_P1_7600_22245096	NC_021160.1	Ca_kabuli_chr01	22245096	CC	TT	1940133700
SNP_P1_7601_22247047	NC_021160.1	Ca_kabuli_chr01	22247047	TT	CC	1940133701
SNP_P1_7602_22250762	NC_021160.1	Ca_kabuli_chr01	22250762	AA	CC	1940133702
SNP_P1_7603_22251031	NC_021160.1	Ca_kabuli_chr01	22251031	TT	CC	1940133703
SNP_P1_7604_22251041	NC_021160.1	Ca_kabuli_chr01	22251041	GG	AA	1940133704
SNP_P1_7605_22251727	NC_021160.1	Ca_kabuli_chr01	22251727	TT	CC	1940133705
SNP_P1_7606_22251763	NC_021160.1	Ca_kabuli_chr01	22251763	AA	CC	1940133706

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7608_22252044	NC_021160.1	Ca_kabuli_chr01	22252044	AA	TT	1940133708
SNP_P1_7609_22252093	NC_021160.1	Ca_kabuli_chr01	22252093	TT	CC	1940133709
SNP_P1_7610_22252131	NC_021160.1	Ca_kabuli_chr01	22252131	AA	GG	1940133710
SNP_P1_7611_22252597	NC_021160.1	Ca_kabuli_chr01	22252597	TT	CC	1940133711
SNP_P1_7612_22252695	NC_021160.1	Ca_kabuli_chr01	22252695	AA	GG	1940133712
SNP_P1_7613_22252740	NC_021160.1	Ca_kabuli_chr01	22252740	AA	GG	1940133713
SNP_P1_7614_22252750	NC_021160.1	Ca_kabuli_chr01	22252750	TT	CC	1940133714
SNP_P1_7615_22252811	NC_021160.1	Ca_kabuli_chr01	22252811	TT	CC	1940133715
SNP_P1_7616_22252884	NC_021160.1	Ca_kabuli_chr01	22252884	TT	CC	1940133716
SNP_P1_7617_22252961	NC_021160.1	Ca_kabuli_chr01	22252961	GG	AA	1940133717
SNP_P1_7618_22252990	NC_021160.1	Ca_kabuli_chr01	22252990	AA	GG	1940133718
SNP_P1_7619_22253236	NC_021160.1	Ca_kabuli_chr01	22253236	AA	CC	1940133719
SNP_P1_7620_22253274	NC_021160.1	Ca_kabuli_chr01	22253274	AA	GG	1940133720
SNP_P1_7621_22253288	NC_021160.1	Ca_kabuli_chr01	22253288	TT	CC	1940133721
SNP_P1_7622_22253528	NC_021160.1	Ca_kabuli_chr01	22253528	AA	TT	1940133722
SNP_P1_7623_22253605	NC_021160.1	Ca_kabuli_chr01	22253605	TT	CC	1940133723
SNP_P1_7624_22253623	NC_021160.1	Ca_kabuli_chr01	22253623	CC	TT	1940133725
SNP_P1_7625_22253626	NC_021160.1	Ca_kabuli_chr01	22253626	TT	AA	1940133726
SNP_P1_7626_22253664	NC_021160.1	Ca_kabuli_chr01	22253664	GG	AA	1940133727
SNP_P1_7627_22253669	NC_021160.1	Ca_kabuli_chr01	22253669	GG	AA	1940133728
SNP_P1_7628_22253708	NC_021160.1	Ca_kabuli_chr01	22253708	TT	GG	1940133729
SNP_P1_7629_22253850	NC_021160.1	Ca_kabuli_chr01	22253850	AA	GG	1940133730
SNP_P1_7630_22253936	NC_021160.1	Ca_kabuli_chr01	22253936	CC	TT	1940133731
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SNP_P1_7633_22254057	NC_021160.1	Ca_kabuli_chr01	22254057	CC	AA	1940133734
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SNP_P1_7635_22260283	NC_021160.1	Ca_kabuli_chr01	22260283	TT	AA	1940133736
SNP_P1_7636_22270895	NC_021160.1	Ca_kabuli_chr01	22270895	GG	AA	1940133737
SNP_P1_7637_22277145	NC_021160.1	Ca_kabuli_chr01	22277145	AA	TT	1940133738
SNP_P1_7638_22285649	NC_021160.1	Ca_kabuli_chr01	22285649	CC	TT	1940133739
SNP_P1_7639_22285729	NC_021160.1	Ca_kabuli_chr01	22285729	TT	CC	1940133740
SNP_P1_7640_22285765	NC_021160.1	Ca_kabuli_chr01	22285765	TT	CC	1940133741
SNP_P1_7641_22285879	NC_021160.1	Ca_kabuli_chr01	22285879	TT	GG	1940133742
SNP_P1_7642_22286007	NC_021160.1	Ca_kabuli_chr01	22286007	AA	GG	1940133743
SNP_P1_7643_22286009	NC_021160.1	Ca_kabuli_chr01	22286009	AA	GG	1940133744
SNP_P1_7644_22286011	NC_021160.1	Ca_kabuli_chr01	22286011	GG	AA	1940133745
SNP_P1_7645_22286032	NC_021160.1	Ca_kabuli_chr01	22286032	TT	CC	1940133746
SNP_P1_7646_22293517	NC_021160.1	Ca_kabuli_chr01	22293517	AA	CC	1940133747
SNP_P1_7647_22293654	NC_021160.1	Ca_kabuli_chr01	22293654	AA	CC	1940133748
SNP_P1_7648_22293696	NC_021160.1	Ca_kabuli_chr01	22293696	GG	AA	1940133749

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7651_22303747	NC_021160.1	Ca_kabuli_chr01	22303747	CC	TT	1940133751
SNP_P1_7652_22322944	NC_021160.1	Ca_kabuli_chr01	22322944	TT	CC	1940133752
SNP_P1_7653_22329273	NC_021160.1	Ca_kabuli_chr01	22329273	TT	CC	1940133753
SNP_P1_7654_22329464	NC_021160.1	Ca_kabuli_chr01	22329464	TT	CC	1940133754
SNP_P1_7655_22329546	NC_021160.1	Ca_kabuli_chr01	22329546	AA	CC	1940133755
SNP_P1_7657_22329691	NC_021160.1	Ca_kabuli_chr01	22329691	CC	TT	1940133756
SNP_P1_7658_22329707	NC_021160.1	Ca_kabuli_chr01	22329707	TT	AA	1940133757
SNP_P1_7659_22329747	NC_021160.1	Ca_kabuli_chr01	22329747	TT	CC	1940133758
SNP_P1_7660_22329794	NC_021160.1	Ca_kabuli_chr01	22329794	TT	CC	1940133759
SNP_P1_7662_22349007	NC_021160.1	Ca_kabuli_chr01	22349007	GG	AA	1940133760
SNP_P1_7663_22349325	NC_021160.1	Ca_kabuli_chr01	22349325	AA	GG	1940133761
SNP_P1_7664_22378727	NC_021160.1	Ca_kabuli_chr01	22378727	GG	CC	1940133762
SNP_P1_7666_22385207	NC_021160.1	Ca_kabuli_chr01	22385207	TT	CC	1940133763
SNP_P1_7667_22392386	NC_021160.1	Ca_kabuli_chr01	22392386	GG	AA	1940133764
SNP_P1_7668_22413622	NC_021160.1	Ca_kabuli_chr01	22413622	CC	TT	1940133766
SNP_P1_7670_22419214	NC_021160.1	Ca_kabuli_chr01	22419214	TT	CC	1940133767
SNP_P1_7671_22434884	NC_021160.1	Ca_kabuli_chr01	22434884	AA	GG	1940133768
SNP_P1_7672_22444415	NC_021160.1	Ca_kabuli_chr01	22444415	GG	AA	1940133769
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SNP_P1_7682_22512158	NC_021160.1	Ca_kabuli_chr01	22512158	TT	AA	1940133778
SNP_P1_7683_22512382	NC_021160.1	Ca_kabuli_chr01	22512382	CC	TT	1940133780
SNP_P1_7684_22513603	NC_021160.1	Ca_kabuli_chr01	22513603	GG	TT	1940133781
SNP_P1_7685_22542378	NC_021160.1	Ca_kabuli_chr01	22542378	GG	AA	1940133782
SNP_P1_7686_22547058	NC_021160.1	Ca_kabuli_chr01	22547058	TT	CC	1940133783
SNP_P1_7687_22547065	NC_021160.1	Ca_kabuli_chr01	22547065	TT	AA	1940133784
SNP_P1_7688_22547089	NC_021160.1	Ca_kabuli_chr01	22547089	CC	TT	1940133785
SNP_P1_7689_22547115	NC_021160.1	Ca_kabuli_chr01	22547115	AA	CC	1940133786
SNP_P1_7690_22547445	NC_021160.1	Ca_kabuli_chr01	22547445	AA	TT	1940133787
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SNP_P1_7693_22547561	NC_021160.1	Ca_kabuli_chr01	22547561	TT	AA	1940133790
SNP_P1_7694_22547575	NC_021160.1	Ca_kabuli_chr01	22547575	TT	AA	1940133792
SNP_P1_7695_22554027	NC_021160.1	Ca_kabuli_chr01	22554027	TT	CC	1940133793
SNP_P1_7696_22554028	NC_021160.1	Ca_kabuli_chr01	22554028	TT	CC	1940133794

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7699_22554103	NC_021160.1	Ca_kabuli_chr01	22554103	AA	GG	1940133797
SNP_P1_7700_22554122	NC_021160.1	Ca_kabuli_chr01	22554122	CC	TT	1940133798
SNP_P1_7701_22554135	NC_021160.1	Ca_kabuli_chr01	22554135	TT	CC	1940133799
SNP_P1_7702_22554161	NC_021160.1	Ca_kabuli_chr01	22554161	TT	AA	1940133800
SNP_P1_7703_22554299	NC_021160.1	Ca_kabuli_chr01	22554299	TT	GG	1940133801
SNP_P1_7704_22554325	NC_021160.1	Ca_kabuli_chr01	22554325	GG	TT	1940133802
SNP_P1_7705_22554347	NC_021160.1	Ca_kabuli_chr01	22554347	CC	GG	1940133803
SNP_P1_7706_22554399	NC_021160.1	Ca_kabuli_chr01	22554399	GG	AA	1940133804
SNP_P1_7707_22554419	NC_021160.1	Ca_kabuli_chr01	22554419	GG	AA	1940133806
SNP_P1_7708_22554467	NC_021160.1	Ca_kabuli_chr01	22554467	TT	CC	1940133807
SNP_P1_7709_22554476	NC_021160.1	Ca_kabuli_chr01	22554476	GG	AA	1940133808
SNP_P1_7710_22554513	NC_021160.1	Ca_kabuli_chr01	22554513	AA	GG	1940133809
SNP_P1_7711_22560733	NC_021160.1	Ca_kabuli_chr01	22560733	AA	GG	1940133810
SNP_P1_7712_22561017	NC_021160.1	Ca_kabuli_chr01	22561017	CC	GG	1940133811
SNP_P1_7713_22572485	NC_021160.1	Ca_kabuli_chr01	22572485	CC	GG	1940133812
SNP_P1_7714_22577288	NC_021160.1	Ca_kabuli_chr01	22577288	CC	AA	1940133813
SNP_P1_7715_22587621	NC_021160.1	Ca_kabuli_chr01	22587621	TT	CC	1940133814
SNP_P1_7716_22593905	NC_021160.1	Ca_kabuli_chr01	22593905	GG	AA	1940133815
SNP_P1_7717_22599322	NC_021160.1	Ca_kabuli_chr01	22599322	CC	TT	1940133816
SNP_P1_7718_22653976	NC_021160.1	Ca_kabuli_chr01	22653976	CC	TT	1940133818
SNP_P1_7719_22655286	NC_021160.1	Ca_kabuli_chr01	22655286	CC	TT	1940133819
SNP_P1_7720_22661067	NC_021160.1	Ca_kabuli_chr01	22661067	AA	GG	1940133820
SNP_P1_7721_22661495	NC_021160.1	Ca_kabuli_chr01	22661495	CC	AA	1940133821
SNP_P1_7722_22661610	NC_021160.1	Ca_kabuli_chr01	22661610	AA	CC	1940133822
SNP_P1_7723_22663807	NC_021160.1	Ca_kabuli_chr01	22663807	TT	CC	1940133823
SNP_P1_7725_22663991	NC_021160.1	Ca_kabuli_chr01	22663991	TT	CC	1940133824
SNP_P1_7726_22663999	NC_021160.1	Ca_kabuli_chr01	22663999	AA	CC	1940133825
SNP_P1_7727_22664001	NC_021160.1	Ca_kabuli_chr01	22664001	AA	CC	1940133826
SNP_P1_7728_22664003	NC_021160.1	Ca_kabuli_chr01	22664003	AA	CC	1940133827
SNP_P1_7729_22664245	NC_021160.1	Ca_kabuli_chr01	22664245	GG	AA	1940133828
SNP_P1_7731_22682652	NC_021160.1	Ca_kabuli_chr01	22682652	TT	AA	1940133829
SNP_P1_7733_22706531	NC_021160.1	Ca_kabuli_chr01	22706531	AA	GG	1940133830
SNP_P1_7734_22719491	NC_021160.1	Ca_kabuli_chr01	22719491	AA	TT	1940133831
SNP_P1_7735_22720507	NC_021160.1	Ca_kabuli_chr01	22720507	CC	GG	1940133832
SNP_P1_7736_22725898	NC_021160.1	Ca_kabuli_chr01	22725898	AA	TT	1940133833
SNP_P1_7737_22734242	NC_021160.1	Ca_kabuli_chr01	22734242	GG	AA	1940133834
SNP_P1_7739_22738733	NC_021160.1	Ca_kabuli_chr01	22738733	TT	AA	1940133835
SNP_P1_7740_22738734	NC_021160.1	Ca_kabuli_chr01	22738734	TT	GG	1940133836
SNP_P1_7743_22763235	NC_021160.1	Ca_kabuli_chr01	22763235	TT	CC	1940133837
SNP_P1_7744_22763243	NC_021160.1	Ca_kabuli_chr01	22763243	TT	CC	1940133838

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7747_22782720	NC_021160.1	Ca_kabuli_chr01	22782720	AA	TT	1940133840
SNP_P1_7748_22794880	NC_021160.1	Ca_kabuli_chr01	22794880	CC	TT	1940133841
SNP_P1_7749_22794893	NC_021160.1	Ca_kabuli_chr01	22794893	TT	AA	1940133842
SNP_P1_7750_22794936	NC_021160.1	Ca_kabuli_chr01	22794936	TT	GG	1940133843
SNP_P1_7751_22798406	NC_021160.1	Ca_kabuli_chr01	22798406	AA	GG	1940133844
SNP_P1_7752_22798777	NC_021160.1	Ca_kabuli_chr01	22798777	TT	GG	1940133845
SNP_P1_7753_22805065	NC_021160.1	Ca_kabuli_chr01	22805065	AA	GG	1940133846
SNP_P1_7754_22805096	NC_021160.1	Ca_kabuli_chr01	22805096	GG	AA	1940133847
SNP_P1_7755_22805906	NC_021160.1	Ca_kabuli_chr01	22805906	AA	GG	1940133848
SNP_P1_7757_22810055	NC_021160.1	Ca_kabuli_chr01	22810055	AA	GG	1940133849
SNP_P1_7758_22818122	NC_021160.1	Ca_kabuli_chr01	22818122	AA	GG	1940133850
SNP_P1_7759_22824916	NC_021160.1	Ca_kabuli_chr01	22824916	TT	CC	1940133851
SNP_P1_7760_22825241	NC_021160.1	Ca_kabuli_chr01	22825241	AA	CC	1940133852
SNP_P1_7761_22828051	NC_021160.1	Ca_kabuli_chr01	22828051	AA	GG	1940133853
SNP_P1_7762_22828068	NC_021160.1	Ca_kabuli_chr01	22828068	GG	AA	1940133855
SNP_P1_7763_22828108	NC_021160.1	Ca_kabuli_chr01	22828108	AA	TT	1940133856
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SNP_P1_7765_22831547	NC_021160.1	Ca_kabuli_chr01	22831547	TT	CC	1940133858
SNP_P1_7766_22834808	NC_021160.1	Ca_kabuli_chr01	22834808	TT	GG	1940133859
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SNP_P1_7768_22834948	NC_021160.1	Ca_kabuli_chr01	22834948	AA	GG	1940133861
SNP_P1_7769_22834961	NC_021160.1	Ca_kabuli_chr01	22834961	GG	AA	1940133862
SNP_P1_7770_22834981	NC_021160.1	Ca_kabuli_chr01	22834981	CC	TT	1940133863
SNP_P1_7771_22834982	NC_021160.1	Ca_kabuli_chr01	22834982	CC	TT	1940133864
SNP_P1_7772_22834985	NC_021160.1	Ca_kabuli_chr01	22834985	CC	TT	1940133865
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SNP_P1_7774_22835153	NC_021160.1	Ca_kabuli_chr01	22835153	TT	GG	1940133867
SNP_P1_7775_22835167	NC_021160.1	Ca_kabuli_chr01	22835167	AA	GG	1940133868
SNP_P1_7776_22835168	NC_021160.1	Ca_kabuli_chr01	22835168	AA	CC	1940133869
SNP_P1_7777_22835176	NC_021160.1	Ca_kabuli_chr01	22835176	AA	TT	1940133870
SNP_P1_7778_22853017	NC_021160.1	Ca_kabuli_chr01	22853017	TT	AA	1940133871
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SNP_P1_7780_22853248	NC_021160.1	Ca_kabuli_chr01	22853248	TT	CC	1940133873
SNP_P1_7781_22853269	NC_021160.1	Ca_kabuli_chr01	22853269	GG	AA	1940133874
SNP_P1_7782_22853270	NC_021160.1	Ca_kabuli_chr01	22853270	CC	AA	1940133875
SNP_P1_7783_22853272	NC_021160.1	Ca_kabuli_chr01	22853272	CC	AA	1940133876
SNP_P1_7784_22853293	NC_021160.1	Ca_kabuli_chr01	22853293	CC	TT	1940133877
SNP_P1_7785_22853300	NC_021160.1	Ca_kabuli_chr01	22853300	AA	GG	1940133878
SNP_P1_7786_22855438	NC_021160.1	Ca_kabuli_chr01	22855438	AA	GG	1940133879
SNP_P1_7787_22863489	NC_021160.1	Ca_kabuli_chr01	22863489	CC	TT	1940133880
SNP_P1_7788_22865415	NC_021160.1	Ca_kabuli_chr01	22865415	TT	CC	1940133881

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7791_22879058	NC_021160.1	Ca_kabuli_chr01	22879058	AA	GG	1940133884
SNP_P1_7792_22883244	NC_021160.1	Ca_kabuli_chr01	22883244	TT	CC	1940133885
SNP_P1_7793_22884744	NC_021160.1	Ca_kabuli_chr01	22884744	TT	AA	1940133886
SNP_P1_7794_22884757	NC_021160.1	Ca_kabuli_chr01	22884757	AA	GG	1940133887
SNP_P1_7795_22885738	NC_021160.1	Ca_kabuli_chr01	22885738	TT	GG	1940133888
SNP_P1_7796_22885764	NC_021160.1	Ca_kabuli_chr01	22885764	TT	CC	1940133889
SNP_P1_7797_22885790	NC_021160.1	Ca_kabuli_chr01	22885790	AA	TT	1940133890
SNP_P1_7798_22885881	NC_021160.1	Ca_kabuli_chr01	22885881	TT	AA	1940133891
SNP_P1_7799_22886030	NC_021160.1	Ca_kabuli_chr01	22886030	GG	AA	1940133892
SNP_P1_7800_22886047	NC_021160.1	Ca_kabuli_chr01	22886047	CC	TT	1940133893
SNP_P1_7802_22886144	NC_021160.1	Ca_kabuli_chr01	22886144	AA	GG	1940133894
SNP_P1_7803_22886154	NC_021160.1	Ca_kabuli_chr01	22886154	AA	TT	1940133896
SNP_P1_7804_22886166	NC_021160.1	Ca_kabuli_chr01	22886166	AA	GG	1940133897
SNP_P1_7805_22886176	NC_021160.1	Ca_kabuli_chr01	22886176	AA	GG	1940133898
SNP_P1_7806_22886280	NC_021160.1	Ca_kabuli_chr01	22886280	TT	CC	1940133899
SNP_P1_7807_22886301	NC_021160.1	Ca_kabuli_chr01	22886301	GG	AA	1940133900
SNP_P1_7808_22886319	NC_021160.1	Ca_kabuli_chr01	22886319	TT	CC	1940133901
SNP_P1_7809_22887337	NC_021160.1	Ca_kabuli_chr01	22887337	AA	GG	1940133902
SNP_P1_7810_22887363	NC_021160.1	Ca_kabuli_chr01	22887363	AA	GG	1940133903
SNP_P1_7811_22896231	NC_021160.1	Ca_kabuli_chr01	22896231	AA	TT	1940133904
SNP_P1_7812_22896663	NC_021160.1	Ca_kabuli_chr01	22896663	CC	AA	1940133905
SNP_P1_7813_22896672	NC_021160.1	Ca_kabuli_chr01	22896672	AA	CC	1940133906
SNP_P1_7814_22896744	NC_021160.1	Ca_kabuli_chr01	22896744	CC	TT	1940133907
SNP_P1_7816_22896931	NC_021160.1	Ca_kabuli_chr01	22896931	GG	TT	1940133908
SNP_P1_7817_22896981	NC_021160.1	Ca_kabuli_chr01	22896981	TT	GG	1940133909
SNP_P1_7818_22897004	NC_021160.1	Ca_kabuli_chr01	22897004	CC	GG	1940133910
SNP_P1_7819_22897036	NC_021160.1	Ca_kabuli_chr01	22897036	CC	GG	1940133911
SNP_P1_7820_22897071	NC_021160.1	Ca_kabuli_chr01	22897071	TT	CC	1940133912
SNP_P1_7821_22897090	NC_021160.1	Ca_kabuli_chr01	22897090	GG	AA	1940133913
SNP_P1_7822_22897110	NC_021160.1	Ca_kabuli_chr01	22897110	TT	GG	1940133914
SNP_P1_7823_22897113	NC_021160.1	Ca_kabuli_chr01	22897113	AA	GG	1940133915
SNP_P1_7824_22897129	NC_021160.1	Ca_kabuli_chr01	22897129	GG	AA	1940133916
SNP_P1_7825_22897143	NC_021160.1	Ca_kabuli_chr01	22897143	GG	CC	1940133917
SNP_P1_7826_22897164	NC_021160.1	Ca_kabuli_chr01	22897164	CC	AA	1940133918
SNP_P1_7827_22897196	NC_021160.1	Ca_kabuli_chr01	22897196	TT	CC	1940133919
SNP_P1_7828_22897222	NC_021160.1	Ca_kabuli_chr01	22897222	CC	GG	1940133920
SNP_P1_7829_22897393	NC_021160.1	Ca_kabuli_chr01	22897393	AA	TT	1940133921
SNP_P1_7830_22897398	NC_021160.1	Ca_kabuli_chr01	22897398	GG	AA	1940133922
SNP_P1_7831_22897462	NC_021160.1	Ca_kabuli_chr01	22897462	CC	TT	1940133923
SNP_P1_7832_22897719	NC_021160.1	Ca_kabuli_chr01	22897719	TT	GG	1940133924

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7834_22906068	NC_021160.1	Ca_kabuli_chr01	22906068	CC	TT	1940133926
SNP_P1_7835_22927444	NC_021160.1	Ca_kabuli_chr01	22927444	GG	TT	1940133927
SNP_P1_7836_22936673	NC_021160.1	Ca_kabuli_chr01	22936673	CC	TT	1940133928
SNP_P1_7837_22936681	NC_021160.1	Ca_kabuli_chr01	22936681	AA	GG	1940133929
SNP_P1_7838_22936689	NC_021160.1	Ca_kabuli_chr01	22936689	GG	TT	1940133930
SNP_P1_7839_22941173	NC_021160.1	Ca_kabuli_chr01	22941173	CC	TT	1940133931
SNP_P1_7840_22943723	NC_021160.1	Ca_kabuli_chr01	22943723	CC	GG	1940133932
SNP_P1_7841_22943735	NC_021160.1	Ca_kabuli_chr01	22943735	TT	GG	1940133933
SNP_P1_7842_22944081	NC_021160.1	Ca_kabuli_chr01	22944081	AA	GG	1940133934
SNP_P1_7843_22944199	NC_021160.1	Ca_kabuli_chr01	22944199	AA	CC	1940133935
SNP_P1_7844_22944208	NC_021160.1	Ca_kabuli_chr01	22944208	AA	GG	1940133936
SNP_P1_7845_22944221	NC_021160.1	Ca_kabuli_chr01	22944221	GG	CC	1940133937
SNP_P1_7846_22954199	NC_021160.1	Ca_kabuli_chr01	22954199	TT	CC	1940133939
SNP_P1_7848_22963449	NC_021160.1	Ca_kabuli_chr01	22963449	GG	CC	1940133940
SNP_P1_7849_22963496	NC_021160.1	Ca_kabuli_chr01	22963496	AA	TT	1940133941
SNP_P1_7850_22963769	NC_021160.1	Ca_kabuli_chr01	22963769	CC	TT	1940133942
SNP_P1_7851_22963783	NC_021160.1	Ca_kabuli_chr01	22963783	AA	GG	1940133943
SNP_P1_7853_22968848	NC_021160.1	Ca_kabuli_chr01	22968848	AA	GG	1940133944
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SNP_P1_7864_23038325	NC_021160.1	Ca_kabuli_chr01	23038325	TT	AA	1940133953
SNP_P1_7865_23057888	NC_021160.1	Ca_kabuli_chr01	23057888	CC	AA	1940133954
SNP_P1_7866_23058281	NC_021160.1	Ca_kabuli_chr01	23058281	AA	TT	1940133955
SNP_P1_7867_23064507	NC_021160.1	Ca_kabuli_chr01	23064507	TT	CC	1940133956
SNP_P1_7868_23079034	NC_021160.1	Ca_kabuli_chr01	23079034	CC	TT	1940133957
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SNP_P1_7871_23086323	NC_021160.1	Ca_kabuli_chr01	23086323	GG	AA	1940133960
SNP_P1_7872_23087877	NC_021160.1	Ca_kabuli_chr01	23087877	GG	CC	1940133961
SNP_P1_7873_23087966	NC_021160.1	Ca_kabuli_chr01	23087966	TT	CC	1940133962
SNP_P1_7874_23087987	NC_021160.1	Ca_kabuli_chr01	23087987	TT	CC	1940133963
SNP_P1_7875_23088074	NC_021160.1	Ca_kabuli_chr01	23088074	GG	TT	1940133964
SNP_P1_7876_23106643	NC_021160.1	Ca_kabuli_chr01	23106643	TT	CC	1940133965
SNP_P1_7879_23118404	NC_021160.1	Ca_kabuli_chr01	23118404	GG	AA	1940133966
SNP_P1_7880_23119761	NC_021160.1	Ca_kabuli_chr01	23119761	AA	GG	1940133967

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7885_23167910	NC_021160.1	Ca_kabuli_chr01	23167910	AA	GG	1940133971
SNP_P1_7886_23178732	NC_021160.1	Ca_kabuli_chr01	23178732	GG	CC	1940133972
SNP_P1_7887_23183689	NC_021160.1	Ca_kabuli_chr01	23183689	TT	CC	1940133973
SNP_P1_7889_23194257	NC_021160.1	Ca_kabuli_chr01	23194257	GG	AA	1940133974
SNP_P1_7890_23206931	NC_021160.1	Ca_kabuli_chr01	23206931	TT	CC	1940133975
SNP_P1_7892_23215975	NC_021160.1	Ca_kabuli_chr01	23215975	CC	TT	1940133976
SNP_P1_7894_23230796	NC_021160.1	Ca_kabuli_chr01	23230796	GG	TT	1940133977
SNP_P1_7895_23231152	NC_021160.1	Ca_kabuli_chr01	23231152	GG	TT	1940133978
SNP_P1_7896_23238559	NC_021160.1	Ca_kabuli_chr01	23238559	CC	AA	1940133979
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SNP_P1_7898_23250013	NC_021160.1	Ca_kabuli_chr01	23250013	AA	GG	1940133981
SNP_P1_7899_23250577	NC_021160.1	Ca_kabuli_chr01	23250577	CC	TT	1940133983
SNP_P1_7900_23258263	NC_021160.1	Ca_kabuli_chr01	23258263	GG	AA	1940133984
SNP_P1_7901_23264600	NC_021160.1	Ca_kabuli_chr01	23264600	AA	GG	1940133985
SNP_P1_7902_23267584	NC_021160.1	Ca_kabuli_chr01	23267584	GG	AA	1940133986
SNP_P1_7903_23270236	NC_021160.1	Ca_kabuli_chr01	23270236	AA	GG	1940133987
SNP_P1_7904_23284052	NC_021160.1	Ca_kabuli_chr01	23284052	TT	CC	1940133988
SNP_P1_7907_23307530	NC_021160.1	Ca_kabuli_chr01	23307530	GG	TT	1940133989
SNP_P1_7909_23363088	NC_021160.1	Ca_kabuli_chr01	23363088	AA	GG	1940133990
SNP_P1_7910_23363090	NC_021160.1	Ca_kabuli_chr01	23363090	AA	GG	1940133991
SNP_P1_7911_23381601	NC_021160.1	Ca_kabuli_chr01	23381601	AA	GG	1940133992
SNP_P1_7913_23386541	NC_021160.1	Ca_kabuli_chr01	23386541	TT	CC	1940133993
SNP_P1_7914_23395091	NC_021160.1	Ca_kabuli_chr01	23395091	GG	AA	1940133994
SNP_P1_7915_23421052	NC_021160.1	Ca_kabuli_chr01	23421052	TT	AA	1940133995
SNP_P1_7917_23421388	NC_021160.1	Ca_kabuli_chr01	23421388	CC	TT	1940133996
SNP_P1_7918_23421394	NC_021160.1	Ca_kabuli_chr01	23421394	TT	AA	1940133997
SNP_P1_7919_23426167	NC_021160.1	Ca_kabuli_chr01	23426167	TT	AA	1940133998
SNP_P1_7920_23426452	NC_021160.1	Ca_kabuli_chr01	23426452	CC	TT	1940133999
SNP_P1_7921_23426483	NC_021160.1	Ca_kabuli_chr01	23426483	TT	AA	1940134000
SNP_P1_7922_23426485	NC_021160.1	Ca_kabuli_chr01	23426485	GG	CC	1940134001
SNP_P1_7924_23426725	NC_021160.1	Ca_kabuli_chr01	23426725	TT	CC	1940134002
SNP_P1_7925_23426960	NC_021160.1	Ca_kabuli_chr01	23426960	TT	CC	1940134003
SNP_P1_7926_23426961	NC_021160.1	Ca_kabuli_chr01	23426961	TT	AA	1940134004
SNP_P1_7927_23426969	NC_021160.1	Ca_kabuli_chr01	23426969	TT	AA	1940134005
SNP_P1_7928_23426985	NC_021160.1	Ca_kabuli_chr01	23426985	AA	TT	1940134006
SNP_P1_7929_23427002	NC_021160.1	Ca_kabuli_chr01	23427002	CC	TT	1940134007
SNP_P1_7930_23427008	NC_021160.1	Ca_kabuli_chr01	23427008	AA	GG	1940134008
SNP_P1_7931_23446222	NC_021160.1	Ca_kabuli_chr01	23446222	AA	GG	1940134009
SNP_P1_7933_23480875	NC_021160.1	Ca_kabuli_chr01	23480875	CC	TT	1940134010

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_7935_23496461	NC_021160.1	Ca_kabuli_chr01	23496461	GG	AA	1940134011
SNP_P1_7936_23499526	NC_021160.1	Ca_kabuli_chr01	23499526	CC	AA	1940134012
SNP_P1_7938_23516990	NC_021160.1	Ca_kabuli_chr01	23516990	CC	TT	1940134013
SNP_P1_7939_23523179	NC_021160.1	Ca_kabuli_chr01	23523179	AA	GG	1940134014
SNP_P1_7940_23533053	NC_021160.1	Ca_kabuli_chr01	23533053	CC	AA	1940134015
SNP_P1_7941_23533569	NC_021160.1	Ca_kabuli_chr01	23533569	GG	AA	1940134016
SNP_P1_7942_23535461	NC_021160.1	Ca_kabuli_chr01	23535461	TT	CC	1940134017
SNP_P1_7943_23544049	NC_021160.1	Ca_kabuli_chr01	23544049	AA	GG	1940134018
SNP_P1_7944_23551984	NC_021160.1	Ca_kabuli_chr01	23551984	TT	CC	1940134019
SNP_P1_7947_23577718	NC_021160.1	Ca_kabuli_chr01	23577718	TT	CC	1940134020
SNP_P1_7948_23580360	NC_021160.1	Ca_kabuli_chr01	23580360	TT	CC	1940134021
SNP_P1_7950_23602298	NC_021160.1	Ca_kabuli_chr01	23602298	GG	AA	1940134022
SNP_P1_7951_23624790	NC_021160.1	Ca_kabuli_chr01	23624790	TT	CC	1940134023
SNP_P1_7952_23626383	NC_021160.1	Ca_kabuli_chr01	23626383	TT	CC	1940134024
SNP_P1_7953_23630879	NC_021160.1	Ca_kabuli_chr01	23630879	AA	GG	1940134025
SNP_P1_7954_23631581	NC_021160.1	Ca_kabuli_chr01	23631581	AA	GG	1940134026
SNP_P1_7955_23641499	NC_021160.1	Ca_kabuli_chr01	23641499	AA	CC	1940134027
SNP_P1_7956_23643561	NC_021160.1	Ca_kabuli_chr01	23643561	AA	GG	1940134028
SNP_P1_7957_23643562	NC_021160.1	Ca_kabuli_chr01	23643562	GG	AA	1940134029
SNP_P1_7959_23643636	NC_021160.1	Ca_kabuli_chr01	23643636	CC	GG	1940134030
SNP_P1_7960_23643671	NC_021160.1	Ca_kabuli_chr01	23643671	CC	TT	1940134032
SNP_P1_7961_23643683	NC_021160.1	Ca_kabuli_chr01	23643683	TT	CC	1940134033
SNP_P1_7962_23643771	NC_021160.1	Ca_kabuli_chr01	23643771	CC	TT	1940134034
SNP_P1_7963_23643793	NC_021160.1	Ca_kabuli_chr01	23643793	AA	TT	1940134035
SNP_P1_7964_23643816	NC_021160.1	Ca_kabuli_chr01	23643816	CC	GG	1940134036
SNP_P1_7965_23643845	NC_021160.1	Ca_kabuli_chr01	23643845	CC	TT	1940134037
SNP_P1_7966_23643868	NC_021160.1	Ca_kabuli_chr01	23643868	TT	AA	1940134038
SNP_P1_7967_23643871	NC_021160.1	Ca_kabuli_chr01	23643871	TT	CC	1940134039
SNP_P1_7968_23643873	NC_021160.1	Ca_kabuli_chr01	23643873	TT	AA	1940134040
SNP_P1_7969_23643939	NC_021160.1	Ca_kabuli_chr01	23643939	AA	CC	1940134041
SNP_P1_7970_23643966	NC_021160.1	Ca_kabuli_chr01	23643966	TT	CC	1940134042
SNP_P1_7971_23643997	NC_021160.1	Ca_kabuli_chr01	23643997	GG	AA	1940134043
SNP_P1_7973_23653897	NC_021160.1	Ca_kabuli_chr01	23653897	TT	AA	1940134044
SNP_P1_7974_23654277	NC_021160.1	Ca_kabuli_chr01	23654277	TT	GG	1940134045
SNP_P1_7975_23654286	NC_021160.1	Ca_kabuli_chr01	23654286	CC	TT	1940134046
SNP_P1_7976_23654306	NC_021160.1	Ca_kabuli_chr01	23654306	TT	CC	1940134047
SNP_P1_7977_23654331	NC_021160.1	Ca_kabuli_chr01	23654331	TT	CC	1940134048
SNP_P1_7978_23654338	NC_021160.1	Ca_kabuli_chr01	23654338	TT	GG	1940134049
SNP_P1_7979_23658522	NC_021160.1	Ca_kabuli_chr01	23658522	CC	TT	1940134050
SNP_P1_7980_23659173	NC_021160.1	Ca_kabuli_chr01	23659173	GG	AA	1940134051
SNP_P1_7981_23659248	NC_021160.1	Ca_kabuli_chr01	23659248	TT	GG	1940134052
SNP_P1_7982_23659256	NC_021160.1	Ca_kabuli_chr01	23659256	CC	TT	1940134053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_7984_23660611	NC_021160.1	Ca_kabuli_chr01	23660611	TT	CC	1940134055
SNP_P1_7985_23660889	NC_021160.1	Ca_kabuli_chr01	23660889	GG	TT	1940134056
SNP_P1_7986_23665950	NC_021160.1	Ca_kabuli_chr01	23665950	CC	TT	1940134057
SNP_P1_7987_23671833	NC_021160.1	Ca_kabuli_chr01	23671833	CC	TT	1940134058
SNP_P1_7988_23674534	NC_021160.1	Ca_kabuli_chr01	23674534	GG	TT	1940134059
SNP_P1_7989_23689639	NC_021160.1	Ca_kabuli_chr01	23689639	CC	GG	1940134060
SNP_P1_7990_23697682	NC_021160.1	Ca_kabuli_chr01	23697682	CC	TT	1940134061
SNP_P1_7991_23698040	NC_021160.1	Ca_kabuli_chr01	23698040	CC	TT	1940134062
SNP_P1_7992_23707079	NC_021160.1	Ca_kabuli_chr01	23707079	TT	CC	1940134063
SNP_P1_7993_23720983	NC_021160.1	Ca_kabuli_chr01	23720983	AA	CC	1940134064
SNP_P1_7995_23721196	NC_021160.1	Ca_kabuli_chr01	23721196	TT	CC	1940134065
SNP_P1_7996_23721197	NC_021160.1	Ca_kabuli_chr01	23721197	TT	AA	1940134066
SNP_P1_7997_23722450	NC_021160.1	Ca_kabuli_chr01	23722450	TT	GG	1940134067
SNP_P1_7998_23722738	NC_021160.1	Ca_kabuli_chr01	23722738	GG	TT	1940134068
SNP_P1_7999_23722746	NC_021160.1	Ca_kabuli_chr01	23722746	GG	CC	1940134069
SNP_P1_8000_23728867	NC_021160.1	Ca_kabuli_chr01	23728867	AA	CC	1940134070
SNP_P1_8001_23748032	NC_021160.1	Ca_kabuli_chr01	23748032	AA	GG	1940134071
SNP_P1_8002_23755516	NC_021160.1	Ca_kabuli_chr01	23755516	CC	TT	1940134072
SNP_P1_8003_23763086	NC_021160.1	Ca_kabuli_chr01	23763086	CC	TT	1940134073
SNP_P1_8004_23782420	NC_021160.1	Ca_kabuli_chr01	23782420	GG	AA	1940134074
SNP_P1_8005_23782421	NC_021160.1	Ca_kabuli_chr01	23782421	AA	GG	1940134075
SNP_P1_8006_23782439	NC_021160.1	Ca_kabuli_chr01	23782439	TT	CC	1940134076
SNP_P1_8007_23782443	NC_021160.1	Ca_kabuli_chr01	23782443	TT	CC	1940134077
SNP_P1_8008_23782449	NC_021160.1	Ca_kabuli_chr01	23782449	CC	TT	1940134079
SNP_P1_8009_23782451	NC_021160.1	Ca_kabuli_chr01	23782451	TT	CC	1940134080
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SNP_P1_8011_23782493	NC_021160.1	Ca_kabuli_chr01	23782493	TT	CC	1940134082
SNP_P1_8012_23782769	NC_021160.1	Ca_kabuli_chr01	23782769	AA	CC	1940134083
SNP_P1_8013_23782822	NC_021160.1	Ca_kabuli_chr01	23782822	AA	GG	1940134084
SNP_P1_8014_23784928	NC_021160.1	Ca_kabuli_chr01	23784928	GG	AA	1940134085
SNP_P1_8016_23784996	NC_021160.1	Ca_kabuli_chr01	23784996	GG	AA	1940134086
SNP_P1_8017_23785030	NC_021160.1	Ca_kabuli_chr01	23785030	GG	CC	1940134087
SNP_P1_8018_23804444	NC_021160.1	Ca_kabuli_chr01	23804444	TT	GG	1940134088
SNP_P1_8019_23804661	NC_021160.1	Ca_kabuli_chr01	23804661	GG	AA	1940134089
SNP_P1_8020_23823218	NC_021160.1	Ca_kabuli_chr01	23823218	AA	GG	1940134090
SNP_P1_8021_23823240	NC_021160.1	Ca_kabuli_chr01	23823240	TT	CC	1940134091
SNP_P1_8022_23823272	NC_021160.1	Ca_kabuli_chr01	23823272	CC	GG	1940134092
SNP_P1_8023_23823275	NC_021160.1	Ca_kabuli_chr01	23823275	TT	AA	1940134093
SNP_P1_8024_23823286	NC_021160.1	Ca_kabuli_chr01	23823286	TT	CC	1940134094
SNP_P1_8025_23823296	NC_021160.1	Ca_kabuli_chr01	23823296	GG	CC	1940134095
SNP_P1_8026_23823316	NC_021160.1	Ca_kabuli_chr01	23823316	AA	GG	1940134096

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8029_23824100	NC_021160.1	Ca_kabuli_chr01	23824100	TT	GG	1940134098
SNP_P1_8030_23830400	NC_021160.1	Ca_kabuli_chr01	23830400	GG	AA	1940134099
SNP_P1_8031_23838600	NC_021160.1	Ca_kabuli_chr01	23838600	TT	CC	1940134100
SNP_P1_8032_23838664	NC_021160.1	Ca_kabuli_chr01	23838664	GG	TT	1940134101
SNP_P1_8033_23838758	NC_021160.1	Ca_kabuli_chr01	23838758	TT	GG	1940134102
SNP_P1_8035_23851436	NC_021160.1	Ca_kabuli_chr01	23851436	AA	GG	1940134103
SNP_P1_8036_23855250	NC_021160.1	Ca_kabuli_chr01	23855250	AA	CC	1940134104
SNP_P1_8037_23876941	NC_021160.1	Ca_kabuli_chr01	23876941	CC	GG	1940134105
SNP_P1_8039_23886999	NC_021160.1	Ca_kabuli_chr01	23886999	GG	AA	1940134106
SNP_P1_8040_23887067	NC_021160.1	Ca_kabuli_chr01	23887067	AA	GG	1940134107
SNP_P1_8041_23887129	NC_021160.1	Ca_kabuli_chr01	23887129	TT	CC	1940134108
SNP_P1_8042_23903558	NC_021160.1	Ca_kabuli_chr01	23903558	GG	CC	1940134109
SNP_P1_8043_23921504	NC_021160.1	Ca_kabuli_chr01	23921504	CC	TT	1940134110
SNP_P1_8044_23937357	NC_021160.1	Ca_kabuli_chr01	23937357	TT	CC	1940134111
SNP_P1_8045_23937365	NC_021160.1	Ca_kabuli_chr01	23937365	AA	TT	1940134112
SNP_P1_8046_23962578	NC_021160.1	Ca_kabuli_chr01	23962578	AA	CC	1940134113
SNP_P1_8047_23966400	NC_021160.1	Ca_kabuli_chr01	23966400	CC	TT	1940134114
SNP_P1_8048_23966406	NC_021160.1	Ca_kabuli_chr01	23966406	CC	TT	1940134115
SNP_P1_8049_23966471	NC_021160.1	Ca_kabuli_chr01	23966471	AA	GG	1940134116
SNP_P1_8050_23966748	NC_021160.1	Ca_kabuli_chr01	23966748	CC	TT	1940134117
SNP_P1_8052_23966897	NC_021160.1	Ca_kabuli_chr01	23966897	AA	GG	1940134118
SNP_P1_8053_23967267	NC_021160.1	Ca_kabuli_chr01	23967267	CC	TT	1940134119
SNP_P1_8054_23988127	NC_021160.1	Ca_kabuli_chr01	23988127	TT	AA	1940134120
SNP_P1_8055_24004657	NC_021160.1	Ca_kabuli_chr01	24004657	GG	CC	1940134121
SNP_P1_8056_24006356	NC_021160.1	Ca_kabuli_chr01	24006356	AA	GG	1940134122
SNP_P1_8057_24017329	NC_021160.1	Ca_kabuli_chr01	24017329	CC	AA	1940134123
SNP_P1_8058_24025269	NC_021160.1	Ca_kabuli_chr01	24025269	TT	CC	1940134124
SNP_P1_8059_24025280	NC_021160.1	Ca_kabuli_chr01	24025280	GG	AA	1940134126
SNP_P1_8060_24026714	NC_021160.1	Ca_kabuli_chr01	24026714	CC	AA	1940134127
SNP_P1_8061_24028343	NC_021160.1	Ca_kabuli_chr01	24028343	TT	CC	1940134128
SNP_P1_8062_24030435	NC_021160.1	Ca_kabuli_chr01	24030435	GG	CC	1940134129
SNP_P1_8064_24030538	NC_021160.1	Ca_kabuli_chr01	24030538	TT	GG	1940134130
SNP_P1_8065_24030577	NC_021160.1	Ca_kabuli_chr01	24030577	CC	TT	1940134131
SNP_P1_8066_24030796	NC_021160.1	Ca_kabuli_chr01	24030796	CC	TT	1940134132
SNP_P1_8067_24031098	NC_021160.1	Ca_kabuli_chr01	24031098	AA	GG	1940134133
SNP_P1_8068_24031141	NC_021160.1	Ca_kabuli_chr01	24031141	CC	TT	1940134134
SNP_P1_8069_24031144	NC_021160.1	Ca_kabuli_chr01	24031144	TT	CC	1940134135
SNP_P1_8070_24031184	NC_021160.1	Ca_kabuli_chr01	24031184	GG	AA	1940134136
SNP_P1_8071_24031378	NC_021160.1	Ca_kabuli_chr01	24031378	AA	GG	1940134137
SNP_P1_8072_24031445	NC_021160.1	Ca_kabuli_chr01	24031445	CC	AA	1940134138
SNP_P1_8073_24035057	NC_021160.1	Ca_kabuli_chr01	24035057	AA	TT	1940134139

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8075_24035417	NC_021160.1	Ca_kabuli_chr01	24035417	AA	GG	1940134141
SNP_P1_8076_24035470	NC_021160.1	Ca_kabuli_chr01	24035470	TT	CC	1940134142
SNP_P1_8077_24035478	NC_021160.1	Ca_kabuli_chr01	24035478	AA	GG	1940134143
SNP_P1_8078_24035483	NC_021160.1	Ca_kabuli_chr01	24035483	TT	CC	1940134144
SNP_P1_8079_24035488	NC_021160.1	Ca_kabuli_chr01	24035488	AA	GG	1940134145
SNP_P1_8080_24035503	NC_021160.1	Ca_kabuli_chr01	24035503	CC	GG	1940134146
SNP_P1_8081_24035508	NC_021160.1	Ca_kabuli_chr01	24035508	CC	TT	1940134147
SNP_P1_8082_24035521	NC_021160.1	Ca_kabuli_chr01	24035521	AA	CC	1940134148
SNP_P1_8083_24035609	NC_021160.1	Ca_kabuli_chr01	24035609	AA	TT	1940134149
SNP_P1_8084_24035676	NC_021160.1	Ca_kabuli_chr01	24035676	TT	CC	1940134150
SNP_P1_8085_24040918	NC_021160.1	Ca_kabuli_chr01	24040918	AA	GG	1940134151
SNP_P1_8086_24082724	NC_021160.1	Ca_kabuli_chr01	24082724	TT	CC	1940134152
SNP_P1_8087_24096787	NC_021160.1	Ca_kabuli_chr01	24096787	GG	AA	1940134153
SNP_P1_8089_24112985	NC_021160.1	Ca_kabuli_chr01	24112985	TT	AA	1940134154
SNP_P1_8090_24113340	NC_021160.1	Ca_kabuli_chr01	24113340	AA	GG	1940134155
SNP_P1_8091_24143322	NC_021160.1	Ca_kabuli_chr01	24143322	GG	AA	1940134156
SNP_P1_8092_24147430	NC_021160.1	Ca_kabuli_chr01	24147430	CC	TT	1940134157
SNP_P1_8094_24157977	NC_021160.1	Ca_kabuli_chr01	24157977	TT	GG	1940134158
SNP_P1_8095_24179555	NC_021160.1	Ca_kabuli_chr01	24179555	AA	GG	1940134159
SNP_P1_8097_24194303	NC_021160.1	Ca_kabuli_chr01	24194303	AA	GG	1940134160
SNP_P1_8098_24194394	NC_021160.1	Ca_kabuli_chr01	24194394	TT	GG	1940134161
SNP_P1_8099_24194399	NC_021160.1	Ca_kabuli_chr01	24194399	CC	TT	1940134162
SNP_P1_8100_24194706	NC_021160.1	Ca_kabuli_chr01	24194706	AA	CC	1940134163
SNP_P1_8101_24194751	NC_021160.1	Ca_kabuli_chr01	24194751	TT	CC	1940134164
SNP_P1_8102_24194761	NC_021160.1	Ca_kabuli_chr01	24194761	AA	GG	1940134165
SNP_P1_8103_24196196	NC_021160.1	Ca_kabuli_chr01	24196196	TT	CC	1940134167
SNP_P1_8104_24197323	NC_021160.1	Ca_kabuli_chr01	24197323	TT	CC	1940134168
SNP_P1_8105_24198487	NC_021160.1	Ca_kabuli_chr01	24198487	GG	AA	1940134169
SNP_P1_8107_24231452	NC_021160.1	Ca_kabuli_chr01	24231452	AA	TT	1940134170
SNP_P1_8108_24235497	NC_021160.1	Ca_kabuli_chr01	24235497	TT	GG	1940134171
SNP_P1_8110_24250809	NC_021160.1	Ca_kabuli_chr01	24250809	GG	AA	1940134172
SNP_P1_8111_24250980	NC_021160.1	Ca_kabuli_chr01	24250980	CC	TT	1940134173
SNP_P1_8113_24255782	NC_021160.1	Ca_kabuli_chr01	24255782	AA	CC	1940134174
SNP_P1_8114_24255810	NC_021160.1	Ca_kabuli_chr01	24255810	CC	TT	1940134175
SNP_P1_8115_24256102	NC_021160.1	Ca_kabuli_chr01	24256102	AA	GG	1940134176
SNP_P1_8116_24256222	NC_021160.1	Ca_kabuli_chr01	24256222	AA	CC	1940134177
SNP_P1_8117_24266038	NC_021160.1	Ca_kabuli_chr01	24266038	AA	GG	1940134178
SNP_P1_8118_24266041	NC_021160.1	Ca_kabuli_chr01	24266041	TT	CC	1940134179
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SNP_P1_8120_24294815	NC_021160.1	Ca_kabuli_chr01	24294815	CC	TT	1940134181
SNP_P1_8121_24294832	NC_021160.1	Ca_kabuli_chr01	24294832	TT	GG	1940134182

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8123_24301183	NC_021160.1	Ca_kabuli_chr01	24301183	CC	AA	1940134184
SNP_P1_8125_24305536	NC_021160.1	Ca_kabuli_chr01	24305536	TT	CC	1940134185
SNP_P1_8126_24318797	NC_021160.1	Ca_kabuli_chr01	24318797	TT	CC	1940134186
SNP_P1_8127_24331330	NC_021160.1	Ca_kabuli_chr01	24331330	TT	CC	1940134187
SNP_P1_8128_24331349	NC_021160.1	Ca_kabuli_chr01	24331349	TT	CC	1940134188
SNP_P1_8129_24331376	NC_021160.1	Ca_kabuli_chr01	24331376	AA	GG	1940134189
SNP_P1_8130_24331583	NC_021160.1	Ca_kabuli_chr01	24331583	AA	GG	1940134190
SNP_P1_8131_24331593	NC_021160.1	Ca_kabuli_chr01	24331593	GG	AA	1940134191
SNP_P1_8132_24348229	NC_021160.1	Ca_kabuli_chr01	24348229	CC	TT	1940134192
SNP_P1_8133_24349350	NC_021160.1	Ca_kabuli_chr01	24349350	GG	TT	1940134193
SNP_P1_8134_24349351	NC_021160.1	Ca_kabuli_chr01	24349351	AA	GG	1940134194
SNP_P1_8135_24385814	NC_021160.1	Ca_kabuli_chr01	24385814	TT	AA	1940134195
SNP_P1_8136_24388437	NC_021160.1	Ca_kabuli_chr01	24388437	GG	AA	1940134197
SNP_P1_8137_24405943	NC_021160.1	Ca_kabuli_chr01	24405943	CC	TT	1940134198
SNP_P1_8138_24405945	NC_021160.1	Ca_kabuli_chr01	24405945	TT	CC	1940134199
SNP_P1_8139_24412665	NC_021160.1	Ca_kabuli_chr01	24412665	GG	AA	1940134200
SNP_P1_8140_24412698	NC_021160.1	Ca_kabuli_chr01	24412698	CC	TT	1940134201
SNP_P1_8141_24422261	NC_021160.1	Ca_kabuli_chr01	24422261	TT	GG	1940134202
SNP_P1_8142_24430805	NC_021160.1	Ca_kabuli_chr01	24430805	GG	AA	1940134203
SNP_P1_8143_24437993	NC_021160.1	Ca_kabuli_chr01	24437993	GG	TT	1940134204
SNP_P1_8144_24455262	NC_021160.1	Ca_kabuli_chr01	24455262	CC	TT	1940134205
SNP_P1_8145_24474539	NC_021160.1	Ca_kabuli_chr01	24474539	TT	GG	1940134206
SNP_P1_8146_24498560	NC_021160.1	Ca_kabuli_chr01	24498560	CC	TT	1940134207
SNP_P1_8147_24498561	NC_021160.1	Ca_kabuli_chr01	24498561	TT	AA	1940134208
SNP_P1_8148_24501773	NC_021160.1	Ca_kabuli_chr01	24501773	AA	CC	1940134209
SNP_P1_8149_24502102	NC_021160.1	Ca_kabuli_chr01	24502102	AA	GG	1940134210
SNP_P1_8150_24502323	NC_021160.1	Ca_kabuli_chr01	24502323	TT	CC	1940134211
SNP_P1_8152_24517869	NC_021160.1	Ca_kabuli_chr01	24517869	AA	CC	1940134212
SNP_P1_8153_24522080	NC_021160.1	Ca_kabuli_chr01	24522080	CC	TT	1940134213
SNP_P1_8154_24537439	NC_021160.1	Ca_kabuli_chr01	24537439	GG	AA	1940134214
SNP_P1_8155_24543592	NC_021160.1	Ca_kabuli_chr01	24543592	CC	TT	1940134215
SNP_P1_8156_24543871	NC_021160.1	Ca_kabuli_chr01	24543871	TT	GG	1940134216
SNP_P1_8157_24557168	NC_021160.1	Ca_kabuli_chr01	24557168	AA	GG	1940134217
SNP_P1_8158_24592227	NC_021160.1	Ca_kabuli_chr01	24592227	AA	GG	1940134218
SNP_P1_8159_24592252	NC_021160.1	Ca_kabuli_chr01	24592252	AA	TT	1940134219
SNP_P1_8160_24592270	NC_021160.1	Ca_kabuli_chr01	24592270	GG	AA	1940134220
SNP_P1_8161_24597639	NC_021160.1	Ca_kabuli_chr01	24597639	GG	TT	1940134221
SNP_P1_8162_24598952	NC_021160.1	Ca_kabuli_chr01	24598952	TT	CC	1940134222
SNP_P1_8163_24603223	NC_021160.1	Ca_kabuli_chr01	24603223	GG	AA	1940134223
SNP_P1_8164_24603254	NC_021160.1	Ca_kabuli_chr01	24603254	TT	CC	1940134224
SNP_P1_8165_24607540	NC_021160.1	Ca_kabuli_chr01	24607540	TT	CC	1940134225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8167_24607546	NC_021160.1	Ca_kabuli_chr01	24607546	AA	GG	1940134227
SNP_P1_8168_24610641	NC_021160.1	Ca_kabuli_chr01	24610641	TT	CC	1940134228
SNP_P1_8169_24610672	NC_021160.1	Ca_kabuli_chr01	24610672	AA	CC	1940134229
SNP_P1_8171_24617143	NC_021160.1	Ca_kabuli_chr01	24617143	GG	AA	1940134231
SNP_P1_8172_24620548	NC_021160.1	Ca_kabuli_chr01	24620548	GG	AA	1940134232
SNP_P1_8173_24625239	NC_021160.1	Ca_kabuli_chr01	24625239	AA	CC	1940134233
SNP_P1_8174_24629988	NC_021160.1	Ca_kabuli_chr01	24629988	AA	CC	1940134234
SNP_P1_8175_24634696	NC_021160.1	Ca_kabuli_chr01	24634696	CC	AA	1940134235
SNP_P1_8176_24635015	NC_021160.1	Ca_kabuli_chr01	24635015	TT	AA	1940134236
SNP_P1_8177_24635016	NC_021160.1	Ca_kabuli_chr01	24635016	GG	TT	1940134237
SNP_P1_8179_24636505	NC_021160.1	Ca_kabuli_chr01	24636505	TT	GG	1940134238
SNP_P1_8180_24636607	NC_021160.1	Ca_kabuli_chr01	24636607	GG	TT	1940134239
SNP_P1_8182_24655778	NC_021160.1	Ca_kabuli_chr01	24655778	GG	AA	1940134240
SNP_P1_8183_24672825	NC_021160.1	Ca_kabuli_chr01	24672825	CC	GG	1940134241
SNP_P1_8185_24678531	NC_021160.1	Ca_kabuli_chr01	24678531	GG	AA	1940134242
SNP_P1_8186_24681277	NC_021160.1	Ca_kabuli_chr01	24681277	CC	AA	1940134243
SNP_P1_8187_24681513	NC_021160.1	Ca_kabuli_chr01	24681513	TT	CC	1940134244
SNP_P1_8188_24685445	NC_021160.1	Ca_kabuli_chr01	24685445	AA	GG	1940134245
SNP_P1_8191_24723857	NC_021160.1	Ca_kabuli_chr01	24723857	TT	CC	1940134246
SNP_P1_8194_24771611	NC_021160.1	Ca_kabuli_chr01	24771611	TT	GG	1940134247
SNP_P1_8195_24771612	NC_021160.1	Ca_kabuli_chr01	24771612	TT	GG	1940134248
SNP_P1_8196_24778301	NC_021160.1	Ca_kabuli_chr01	24778301	TT	GG	1940134249
SNP_P1_8197_24778303	NC_021160.1	Ca_kabuli_chr01	24778303	TT	AA	1940134250
SNP_P1_8198_24781581	NC_021160.1	Ca_kabuli_chr01	24781581	TT	AA	1940134251
SNP_P1_8201_24799003	NC_021160.1	Ca_kabuli_chr01	24799003	GG	AA	1940134252
SNP_P1_8203_24833990	NC_021160.1	Ca_kabuli_chr01	24833990	GG	TT	1940134253
SNP_P1_8204_24834701	NC_021160.1	Ca_kabuli_chr01	24834701	AA	GG	1940134254
SNP_P1_8205_24847267	NC_021160.1	Ca_kabuli_chr01	24847267	AA	GG	1940134255
SNP_P1_8206_24850715	NC_021160.1	Ca_kabuli_chr01	24850715	CC	TT	1940134256
SNP_P1_8207_24878905	NC_021160.1	Ca_kabuli_chr01	24878905	GG	AA	1940134257
SNP_P1_8208_24887301	NC_021160.1	Ca_kabuli_chr01	24887301	GG	AA	1940134258
SNP_P1_8209_24910856	NC_021160.1	Ca_kabuli_chr01	24910856	GG	AA	1940134259
SNP_P1_8210_24915585	NC_021160.1	Ca_kabuli_chr01	24915585	CC	TT	1940134260
SNP_P1_8211_24916340	NC_021160.1	Ca_kabuli_chr01	24916340	TT	GG	1940134261
SNP_P1_8212_24916365	NC_021160.1	Ca_kabuli_chr01	24916365	TT	GG	1940134262
SNP_P1_8213_24918659	NC_021160.1	Ca_kabuli_chr01	24918659	TT	CC	1940134263
SNP_P1_8214_24921264	NC_021160.1	Ca_kabuli_chr01	24921264	AA	GG	1940134264
SNP_P1_8215_24932813	NC_021160.1	Ca_kabuli_chr01	24932813	TT	CC	1940134266
SNP_P1_8216_24932861	NC_021160.1	Ca_kabuli_chr01	24932861	AA	GG	1940134267
SNP_P1_8217_24932887	NC_021160.1	Ca_kabuli_chr01	24932887	GG	TT	1940134268
SNP_P1_8218_24932901	NC_021160.1	Ca_kabuli_chr01	24932901	AA	GG	1940134269

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8220_24933220	NC_021160.1	Ca_kabuli_chr01	24933220	AA	GG	1940134271
SNP_P1_8221_24933237	NC_021160.1	Ca_kabuli_chr01	24933237	AA	TT	1940134272
SNP_P1_8222_24933248	NC_021160.1	Ca_kabuli_chr01	24933248	CC	TT	1940134273
SNP_P1_8224_24951452	NC_021160.1	Ca_kabuli_chr01	24951452	CC	TT	1940134274
SNP_P1_8225_24953994	NC_021160.1	Ca_kabuli_chr01	24953994	CC	AA	1940134275
SNP_P1_8226_24967075	NC_021160.1	Ca_kabuli_chr01	24967075	CC	TT	1940134276
SNP_P1_8227_24977703	NC_021160.1	Ca_kabuli_chr01	24977703	TT	CC	1940134277
SNP_P1_8228_24978044	NC_021160.1	Ca_kabuli_chr01	24978044	TT	CC	1940134278
SNP_P1_8229_24979318	NC_021160.1	Ca_kabuli_chr01	24979318	GG	AA	1940134279
SNP_P1_8230_24997712	NC_021160.1	Ca_kabuli_chr01	24997712	TT	CC	1940134280
SNP_P1_8232_25005108	NC_021160.1	Ca_kabuli_chr01	25005108	GG	AA	1940134281
SNP_P1_8233_25014375	NC_021160.1	Ca_kabuli_chr01	25014375	TT	CC	1940134282
SNP_P1_8234_25014520	NC_021160.1	Ca_kabuli_chr01	25014520	AA	GG	1940134283
SNP_P1_8235_25018195	NC_021160.1	Ca_kabuli_chr01	25018195	GG	AA	1940134284
SNP_P1_8236_25024887	NC_021160.1	Ca_kabuli_chr01	25024887	GG	AA	1940134285
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SNP_P1_8238_25044704	NC_021160.1	Ca_kabuli_chr01	25044704	GG	AA	1940134287
SNP_P1_8239_25053509	NC_021160.1	Ca_kabuli_chr01	25053509	AA	GG	1940134288
SNP_P1_8240_25057980	NC_021160.1	Ca_kabuli_chr01	25057980	GG	CC	1940134289
SNP_P1_8241_25057985	NC_021160.1	Ca_kabuli_chr01	25057985	AA	TT	1940134290
SNP_P1_8242_25057986	NC_021160.1	Ca_kabuli_chr01	25057986	CC	TT	1940134291
SNP_P1_8243_25058069	NC_021160.1	Ca_kabuli_chr01	25058069	GG	AA	1940134292
SNP_P1_8244_25058117	NC_021160.1	Ca_kabuli_chr01	25058117	GG	AA	1940134293
SNP_P1_8245_25058248	NC_021160.1	Ca_kabuli_chr01	25058248	AA	GG	1940134294
SNP_P1_8246_25058249	NC_021160.1	Ca_kabuli_chr01	25058249	AA	GG	1940134295
SNP_P1_8248_25058321	NC_021160.1	Ca_kabuli_chr01	25058321	TT	AA	1940134296
SNP_P1_8249_25058332	NC_021160.1	Ca_kabuli_chr01	25058332	AA	GG	1940134297
SNP_P1_8250_25058362	NC_021160.1	Ca_kabuli_chr01	25058362	AA	CC	1940134299
SNP_P1_8251_25058373	NC_021160.1	Ca_kabuli_chr01	25058373	TT	AA	1940134300
SNP_P1_8252_25058473	NC_021160.1	Ca_kabuli_chr01	25058473	AA	GG	1940134301
SNP_P1_8253_25058475	NC_021160.1	Ca_kabuli_chr01	25058475	AA	TT	1940134302
SNP_P1_8254_25059111	NC_021160.1	Ca_kabuli_chr01	25059111	AA	TT	1940134303
SNP_P1_8256_25115041	NC_021160.1	Ca_kabuli_chr01	25115041	CC	TT	1940134304
SNP_P1_8258_25123221	NC_021160.1	Ca_kabuli_chr01	25123221	GG	CC	1940134305
SNP_P1_8259_25125670	NC_021160.1	Ca_kabuli_chr01	25125670	TT	CC	1940134306
SNP_P1_8260_25125671	NC_021160.1	Ca_kabuli_chr01	25125671	CC	GG	1940134307
SNP_P1_8261_25132799	NC_021160.1	Ca_kabuli_chr01	25132799	AA	TT	1940134308
SNP_P1_8262_25184409	NC_021160.1	Ca_kabuli_chr01	25184409	CC	TT	1940134309
SNP_P1_8264_25185333	NC_021160.1	Ca_kabuli_chr01	25185333	AA	TT	1940134310
SNP_P1_8265_25185624	NC_021160.1	Ca_kabuli_chr01	25185624	AA	GG	1940134311
SNP_P1_8266_25185627	NC_021160.1	Ca_kabuli_chr01	25185627	CC	TT	1940134312

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8268_25209980	NC_021160.1	Ca_kabuli_chr01	25209980	GG	TT	1940134314
SNP_P1_8269_25215212	NC_021160.1	Ca_kabuli_chr01	25215212	CC	GG	1940134315
SNP_P1_8270_25233425	NC_021160.1	Ca_kabuli_chr01	25233425	AA	GG	1940134316
SNP_P1_8271_25234184	NC_021160.1	Ca_kabuli_chr01	25234184	TT	CC	1940134317
SNP_P1_8272_25234279	NC_021160.1	Ca_kabuli_chr01	25234279	TT	CC	1940134318
SNP_P1_8273_25234352	NC_021160.1	Ca_kabuli_chr01	25234352	GG	AA	1940134319
SNP_P1_8274_25247182	NC_021160.1	Ca_kabuli_chr01	25247182	TT	AA	1940134320
SNP_P1_8275_25250227	NC_021160.1	Ca_kabuli_chr01	25250227	TT	AA	1940134321
SNP_P1_8276_25250231	NC_021160.1	Ca_kabuli_chr01	25250231	TT	AA	1940134322
SNP_P1_8277_25250337	NC_021160.1	Ca_kabuli_chr01	25250337	GG	AA	1940134323
SNP_P1_8278_25258725	NC_021160.1	Ca_kabuli_chr01	25258725	CC	AA	1940134324
SNP_P1_8279_25260400	NC_021160.1	Ca_kabuli_chr01	25260400	CC	TT	1940134325
SNP_P1_8280_25260839	NC_021160.1	Ca_kabuli_chr01	25260839	CC	GG	1940134326
SNP_P1_8282_25283905	NC_021160.1	Ca_kabuli_chr01	25283905	AA	GG	1940134327
SNP_P1_8283_25295963	NC_021160.1	Ca_kabuli_chr01	25295963	GG	AA	1940134328
SNP_P1_8284_25296114	NC_021160.1	Ca_kabuli_chr01	25296114	TT	CC	1940134329
SNP_P1_8286_25296398	NC_021160.1	Ca_kabuli_chr01	25296398	TT	GG	1940134331
SNP_P1_8287_25296409	NC_021160.1	Ca_kabuli_chr01	25296409	CC	TT	1940134332
SNP_P1_8288_25296532	NC_021160.1	Ca_kabuli_chr01	25296532	CC	TT	1940134333
SNP_P1_8289_25296685	NC_021160.1	Ca_kabuli_chr01	25296685	AA	GG	1940134334
SNP_P1_8290_25312617	NC_021160.1	Ca_kabuli_chr01	25312617	TT	GG	1940134335
SNP_P1_8291_25320559	NC_021160.1	Ca_kabuli_chr01	25320559	TT	AA	1940134336
SNP_P1_8292_25341421	NC_021160.1	Ca_kabuli_chr01	25341421	AA	GG	1940134337
SNP_P1_8293_25348065	NC_021160.1	Ca_kabuli_chr01	25348065	TT	CC	1940134338
SNP_P1_8294_25353631	NC_021160.1	Ca_kabuli_chr01	25353631	AA	TT	1940134339
SNP_P1_8296_25373788	NC_021160.1	Ca_kabuli_chr01	25373788	GG	TT	1940134340
SNP_P1_8297_25373824	NC_021160.1	Ca_kabuli_chr01	25373824	AA	GG	1940134341
SNP_P1_8298_25374026	NC_021160.1	Ca_kabuli_chr01	25374026	GG	TT	1940134342
SNP_P1_8299_25380923	NC_021160.1	Ca_kabuli_chr01	25380923	CC	AA	1940134344
SNP_P1_8300_25381737	NC_021160.1	Ca_kabuli_chr01	25381737	CC	TT	1940134345
SNP_P1_8301_25381860	NC_021160.1	Ca_kabuli_chr01	25381860	TT	CC	1940134346
SNP_P1_8302_25381984	NC_021160.1	Ca_kabuli_chr01	25381984	AA	CC	1940134347
SNP_P1_8304_25382445	NC_021160.1	Ca_kabuli_chr01	25382445	GG	TT	1940134348
SNP_P1_8305_25382447	NC_021160.1	Ca_kabuli_chr01	25382447	TT	CC	1940134349
SNP_P1_8306_25382597	NC_021160.1	Ca_kabuli_chr01	25382597	GG	AA	1940134350
SNP_P1_8307_25382604	NC_021160.1	Ca_kabuli_chr01	25382604	TT	AA	1940134351
SNP_P1_8308_25387739	NC_021160.1	Ca_kabuli_chr01	25387739	AA	CC	1940134352
SNP_P1_8309_25387743	NC_021160.1	Ca_kabuli_chr01	25387743	GG	CC	1940134353
SNP_P1_8310_25388133	NC_021160.1	Ca_kabuli_chr01	25388133	AA	TT	1940134354
SNP_P1_8312_25417970	NC_021160.1	Ca_kabuli_chr01	25417970	CC	TT	1940134355
SNP_P1_8313_25429412	NC_021160.1	Ca_kabuli_chr01	25429412	TT	CC	1940134356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8316_25441897	NC_021160.1	Ca_kabuli_chr01	25441897	TT	CC	1940134358
SNP_P1_8317_25452169	NC_021160.1	Ca_kabuli_chr01	25452169	CC	AA	1940134359
SNP_P1_8319_25461607	NC_021160.1	Ca_kabuli_chr01	25461607	AA	TT	1940134360
SNP_P1_8320_25461626	NC_021160.1	Ca_kabuli_chr01	25461626	GG	TT	1940134361
SNP_P1_8322_25507417	NC_021160.1	Ca_kabuli_chr01	25507417	TT	CC	1940134362
SNP_P1_8323_25507440	NC_021160.1	Ca_kabuli_chr01	25507440	CC	AA	1940134363
SNP_P1_8324_25507510	NC_021160.1	Ca_kabuli_chr01	25507510	TT	CC	1940134364
SNP_P1_8326_25511376	NC_021160.1	Ca_kabuli_chr01	25511376	AA	TT	1940134365
SNP_P1_8328_25541133	NC_021160.1	Ca_kabuli_chr01	25541133	CC	TT	1940134366
SNP_P1_8329_25547869	NC_021160.1	Ca_kabuli_chr01	25547869	TT	CC	1940134367
SNP_P1_8330_25549185	NC_021160.1	Ca_kabuli_chr01	25549185	TT	GG	1940134368
SNP_P1_8331_25549189	NC_021160.1	Ca_kabuli_chr01	25549189	TT	AA	1940134369
SNP_P1_8332_25549471	NC_021160.1	Ca_kabuli_chr01	25549471	TT	CC	1940134370
SNP_P1_8333_25550875	NC_021160.1	Ca_kabuli_chr01	25550875	GG	CC	1940134371
SNP_P1_8334_25571821	NC_021160.1	Ca_kabuli_chr01	25571821	CC	TT	1940134372
SNP_P1_8335_25571863	NC_021160.1	Ca_kabuli_chr01	25571863	AA	GG	1940134373
SNP_P1_8336_25571920	NC_021160.1	Ca_kabuli_chr01	25571920	CC	AA	1940134374
SNP_P1_8337_25571921	NC_021160.1	Ca_kabuli_chr01	25571921	CC	TT	1940134376
SNP_P1_8338_25571924	NC_021160.1	Ca_kabuli_chr01	25571924	GG	AA	1940134377
SNP_P1_8339_25571945	NC_021160.1	Ca_kabuli_chr01	25571945	CC	AA	1940134378
SNP_P1_8340_25571968	NC_021160.1	Ca_kabuli_chr01	25571968	AA	GG	1940134379
SNP_P1_8341_25572027	NC_021160.1	Ca_kabuli_chr01	25572027	AA	GG	1940134380
SNP_P1_8342_25572145	NC_021160.1	Ca_kabuli_chr01	25572145	CC	GG	1940134381
SNP_P1_8343_25572153	NC_021160.1	Ca_kabuli_chr01	25572153	AA	CC	1940134382
SNP_P1_8344_25575174	NC_021160.1	Ca_kabuli_chr01	25575174	TT	GG	1940134383
SNP_P1_8345_25579800	NC_021160.1	Ca_kabuli_chr01	25579800	CC	TT	1940134384
SNP_P1_8346_25583326	NC_021160.1	Ca_kabuli_chr01	25583326	GG	AA	1940134385
SNP_P1_8347_25584586	NC_021160.1	Ca_kabuli_chr01	25584586	CC	AA	1940134386
SNP_P1_8348_25590389	NC_021160.1	Ca_kabuli_chr01	25590389	GG	TT	1940134387
SNP_P1_8349_25592029	NC_021160.1	Ca_kabuli_chr01	25592029	AA	GG	1940134388
SNP_P1_8351_25608376	NC_021160.1	Ca_kabuli_chr01	25608376	TT	AA	1940134389
SNP_P1_8352_25608434	NC_021160.1	Ca_kabuli_chr01	25608434	TT	CC	1940134390
SNP_P1_8353_25612830	NC_021160.1	Ca_kabuli_chr01	25612830	TT	AA	1940134391
SNP_P1_8354_25612893	NC_021160.1	Ca_kabuli_chr01	25612893	GG	CC	1940134392
SNP_P1_8355_25613089	NC_021160.1	Ca_kabuli_chr01	25613089	AA	GG	1940134393
SNP_P1_8356_25613107	NC_021160.1	Ca_kabuli_chr01	25613107	AA	GG	1940134394
SNP_P1_8357_25613205	NC_021160.1	Ca_kabuli_chr01	25613205	AA	CC	1940134395
SNP_P1_8359_25685386	NC_021160.1	Ca_kabuli_chr01	25685386	GG	TT	1940134396
SNP_P1_8360_25686805	NC_021160.1	Ca_kabuli_chr01	25686805	GG	TT	1940134397
SNP_P1_8362_25690376	NC_021160.1	Ca_kabuli_chr01	25690376	CC	AA	1940134398
SNP_P1_8363_25690483	NC_021160.1	Ca_kabuli_chr01	25690483	CC	TT	1940134399

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8365_25693933	NC_021160.1	Ca_kabuli_chr01	25693933	AA	GG	1940134401
SNP_P1_8366_25693936	NC_021160.1	Ca_kabuli_chr01	25693936	GG	TT	1940134402
SNP_P1_8367_25693960	NC_021160.1	Ca_kabuli_chr01	25693960	AA	GG	1940134403
SNP_P1_8368_25693961	NC_021160.1	Ca_kabuli_chr01	25693961	GG	AA	1940134404
SNP_P1_8369_25693968	NC_021160.1	Ca_kabuli_chr01	25693968	TT	GG	1940134405
SNP_P1_8370_25693986	NC_021160.1	Ca_kabuli_chr01	25693986	CC	AA	1940134406
SNP_P1_8371_25693987	NC_021160.1	Ca_kabuli_chr01	25693987	TT	CC	1940134407
SNP_P1_8372_25698146	NC_021160.1	Ca_kabuli_chr01	25698146	AA	TT	1940134408
SNP_P1_8373_25698147	NC_021160.1	Ca_kabuli_chr01	25698147	TT	CC	1940134409
SNP_P1_8374_25714882	NC_021160.1	Ca_kabuli_chr01	25714882	AA	GG	1940134411
SNP_P1_8375_25720536	NC_021160.1	Ca_kabuli_chr01	25720536	TT	CC	1940134412
SNP_P1_8376_25721763	NC_021160.1	Ca_kabuli_chr01	25721763	CC	GG	1940134413
SNP_P1_8377_25760955	NC_021160.1	Ca_kabuli_chr01	25760955	GG	CC	1940134414
SNP_P1_8378_25763981	NC_021160.1	Ca_kabuli_chr01	25763981	CC	TT	1940134415
SNP_P1_8379_25769069	NC_021160.1	Ca_kabuli_chr01	25769069	TT	CC	1940134416
SNP_P1_8380_25774824	NC_021160.1	Ca_kabuli_chr01	25774824	TT	CC	1940134417
SNP_P1_8381_25774825	NC_021160.1	Ca_kabuli_chr01	25774825	TT	AA	1940134418
SNP_P1_8382_25774829	NC_021160.1	Ca_kabuli_chr01	25774829	TT	AA	1940134419
SNP_P1_8383_25777201	NC_021160.1	Ca_kabuli_chr01	25777201	CC	TT	1940134420
SNP_P1_8384_25778810	NC_021160.1	Ca_kabuli_chr01	25778810	AA	CC	1940134421
SNP_P1_8385_25786513	NC_021160.1	Ca_kabuli_chr01	25786513	GG	AA	1940134422
SNP_P1_8386_25786523	NC_021160.1	Ca_kabuli_chr01	25786523	TT	CC	1940134423
SNP_P1_8387_25786531	NC_021160.1	Ca_kabuli_chr01	25786531	CC	GG	1940134424
SNP_P1_8388_25786534	NC_021160.1	Ca_kabuli_chr01	25786534	TT	AA	1940134425
SNP_P1_8389_25786564	NC_021160.1	Ca_kabuli_chr01	25786564	GG	AA	1940134426
SNP_P1_8390_25786888	NC_021160.1	Ca_kabuli_chr01	25786888	GG	TT	1940134427
SNP_P1_8391_25796122	NC_021160.1	Ca_kabuli_chr01	25796122	GG	AA	1940134428
SNP_P1_8393_25802413	NC_021160.1	Ca_kabuli_chr01	25802413	CC	TT	1940134429
SNP_P1_8394_25802448	NC_021160.1	Ca_kabuli_chr01	25802448	GG	AA	1940134430
SNP_P1_8395_25802460	NC_021160.1	Ca_kabuli_chr01	25802460	GG	AA	1940134431
SNP_P1_8396_25802461	NC_021160.1	Ca_kabuli_chr01	25802461	AA	GG	1940134432
SNP_P1_8397_25802895	NC_021160.1	Ca_kabuli_chr01	25802895	TT	GG	1940134433
SNP_P1_8398_25802912	NC_021160.1	Ca_kabuli_chr01	25802912	CC	AA	1940134434
SNP_P1_8399_25802925	NC_021160.1	Ca_kabuli_chr01	25802925	AA	CC	1940134435
SNP_P1_8400_25806142	NC_021160.1	Ca_kabuli_chr01	25806142	GG	AA	1940134436
SNP_P1_8401_25820077	NC_021160.1	Ca_kabuli_chr01	25820077	CC	AA	1940134437
SNP_P1_8402_25824746	NC_021160.1	Ca_kabuli_chr01	25824746	TT	CC	1940134438
SNP_P1_8403_25824861	NC_021160.1	Ca_kabuli_chr01	25824861	TT	GG	1940134439
SNP_P1_8404_25824956	NC_021160.1	Ca_kabuli_chr01	25824956	TT	CC	1940134440
SNP_P1_8405_25824984	NC_021160.1	Ca_kabuli_chr01	25824984	GG	TT	1940134441
SNP_P1_8406_25824995	NC_021160.1	Ca_kabuli_chr01	25824995	CC	TT	1940134442

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8408_25825037	NC_021160.1	Ca_kabuli_chr01	25825037	CC	TT	1940134444
SNP_P1_8409_25825052	NC_021160.1	Ca_kabuli_chr01	25825052	TT	AA	1940134445
SNP_P1_8410_25825062	NC_021160.1	Ca_kabuli_chr01	25825062	AA	GG	1940134447
SNP_P1_8411_25829030	NC_021160.1	Ca_kabuli_chr01	25829030	TT	AA	1940134448
SNP_P1_8412_25829367	NC_021160.1	Ca_kabuli_chr01	25829367	GG	AA	1940134449
SNP_P1_8413_25832940	NC_021160.1	Ca_kabuli_chr01	25832940	TT	CC	1940134450
SNP_P1_8414_25832941	NC_021160.1	Ca_kabuli_chr01	25832941	TT	GG	1940134451
SNP_P1_8415_25837300	NC_021160.1	Ca_kabuli_chr01	25837300	AA	GG	1940134452
SNP_P1_8416_25837382	NC_021160.1	Ca_kabuli_chr01	25837382	GG	CC	1940134453
SNP_P1_8417_25837490	NC_021160.1	Ca_kabuli_chr01	25837490	TT	AA	1940134454
SNP_P1_8418_25837497	NC_021160.1	Ca_kabuli_chr01	25837497	TT	CC	1940134455
SNP_P1_8419_25837634	NC_021160.1	Ca_kabuli_chr01	25837634	AA	GG	1940134456
SNP_P1_8420_25837652	NC_021160.1	Ca_kabuli_chr01	25837652	TT	CC	1940134457
SNP_P1_8422_25849488	NC_021160.1	Ca_kabuli_chr01	25849488	GG	AA	1940134458
SNP_P1_8423_25852183	NC_021160.1	Ca_kabuli_chr01	25852183	CC	AA	1940134459
SNP_P1_8424_25853318	NC_021160.1	Ca_kabuli_chr01	25853318	GG	AA	1940134460
SNP_P1_8425_25898798	NC_021160.1	Ca_kabuli_chr01	25898798	AA	TT	1940134461
SNP_P1_8426_25901535	NC_021160.1	Ca_kabuli_chr01	25901535	TT	AA	1940134463
SNP_P1_8427_25913633	NC_021160.1	Ca_kabuli_chr01	25913633	GG	AA	1940134464
SNP_P1_8428_25913651	NC_021160.1	Ca_kabuli_chr01	25913651	CC	AA	1940134465
SNP_P1_8429_25928348	NC_021160.1	Ca_kabuli_chr01	25928348	AA	GG	1940134466
SNP_P1_8430_25936230	NC_021160.1	Ca_kabuli_chr01	25936230	TT	GG	1940134467
SNP_P1_8431_26014195	NC_021160.1	Ca_kabuli_chr01	26014195	TT	AA	1940134468
SNP_P1_8432_26014210	NC_021160.1	Ca_kabuli_chr01	26014210	TT	CC	1940134469
SNP_P1_8433_26014596	NC_021160.1	Ca_kabuli_chr01	26014596	TT	AA	1940134470
SNP_P1_8435_26038718	NC_021160.1	Ca_kabuli_chr01	26038718	CC	AA	1940134471
SNP_P1_8436_26046991	NC_021160.1	Ca_kabuli_chr01	26046991	AA	GG	1940134472
SNP_P1_8437_26049366	NC_021160.1	Ca_kabuli_chr01	26049366	AA	TT	1940134473
SNP_P1_8438_26063277	NC_021160.1	Ca_kabuli_chr01	26063277	CC	TT	1940134474
SNP_P1_8439_26063598	NC_021160.1	Ca_kabuli_chr01	26063598	GG	AA	1940134475
SNP_P1_8440_26066882	NC_021160.1	Ca_kabuli_chr01	26066882	GG	AA	1940134477
SNP_P1_8441_26066911	NC_021160.1	Ca_kabuli_chr01	26066911	TT	AA	1940134478
SNP_P1_8442_26067217	NC_021160.1	Ca_kabuli_chr01	26067217	AA	GG	1940134479
SNP_P1_8443_26069551	NC_021160.1	Ca_kabuli_chr01	26069551	AA	GG	1940134480
SNP_P1_8444_26074517	NC_021160.1	Ca_kabuli_chr01	26074517	AA	GG	1940134481
SNP_P1_8445_26075262	NC_021160.1	Ca_kabuli_chr01	26075262	AA	GG	1940134482
SNP_P1_8446_26075494	NC_021160.1	Ca_kabuli_chr01	26075494	AA	TT	1940134483
SNP_P1_8447_26075501	NC_021160.1	Ca_kabuli_chr01	26075501	CC	TT	1940134484
SNP_P1_8448_26075503	NC_021160.1	Ca_kabuli_chr01	26075503	TT	CC	1940134485
SNP_P1_8451_26077431	NC_021160.1	Ca_kabuli_chr01	26077431	CC	TT	1940134486
SNP_P1_8452_26077437	NC_021160.1	Ca_kabuli_chr01	26077437	AA	GG	1940134487

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8454_26077524	NC_021160.1	Ca_kabuli_chr01	26077524	TT	CC	1940134489
SNP_P1_8455_26085859	NC_021160.1	Ca_kabuli_chr01	26085859	CC	TT	1940134490
SNP_P1_8456_26091944	NC_021160.1	Ca_kabuli_chr01	26091944	GG	AA	1940134491
SNP_P1_8457_26093467	NC_021160.1	Ca_kabuli_chr01	26093467	TT	CC	1940134492
SNP_P1_8458_26097271	NC_021160.1	Ca_kabuli_chr01	26097271	AA	GG	1940134493
SNP_P1_8459_26106107	NC_021160.1	Ca_kabuli_chr01	26106107	TT	CC	1940134495
SNP_P1_8460_26108615	NC_021160.1	Ca_kabuli_chr01	26108615	CC	AA	1940134496
SNP_P1_8461_26112718	NC_021160.1	Ca_kabuli_chr01	26112718	GG	CC	1940134497
SNP_P1_8462_26121673	NC_021160.1	Ca_kabuli_chr01	26121673	TT	CC	1940134498
SNP_P1_8463_26121706	NC_021160.1	Ca_kabuli_chr01	26121706	TT	CC	1940134499
SNP_P1_8464_26125747	NC_021160.1	Ca_kabuli_chr01	26125747	AA	GG	1940134500
SNP_P1_8465_26125777	NC_021160.1	Ca_kabuli_chr01	26125777	GG	CC	1940134501
SNP_P1_8466_26125826	NC_021160.1	Ca_kabuli_chr01	26125826	TT	GG	1940134502
SNP_P1_8467_26125855	NC_021160.1	Ca_kabuli_chr01	26125855	AA	GG	1940134503
SNP_P1_8468_26125886	NC_021160.1	Ca_kabuli_chr01	26125886	AA	GG	1940134504
SNP_P1_8470_26142041	NC_021160.1	Ca_kabuli_chr01	26142041	CC	TT	1940134505
SNP_P1_8471_26142043	NC_021160.1	Ca_kabuli_chr01	26142043	AA	GG	1940134506
SNP_P1_8472_26142046	NC_021160.1	Ca_kabuli_chr01	26142046	CC	TT	1940134507
SNP_P1_8474_26142774	NC_021160.1	Ca_kabuli_chr01	26142774	AA	CC	1940134508
SNP_P1_8475_26142783	NC_021160.1	Ca_kabuli_chr01	26142783	GG	AA	1940134509
SNP_P1_8476_26143694	NC_021160.1	Ca_kabuli_chr01	26143694	GG	AA	1940134510
SNP_P1_8477_26143696	NC_021160.1	Ca_kabuli_chr01	26143696	GG	AA	1940134511
SNP_P1_8479_26155179	NC_021160.1	Ca_kabuli_chr01	26155179	AA	TT	1940134512
SNP_P1_8481_26169471	NC_021160.1	Ca_kabuli_chr01	26169471	GG	AA	1940134513
SNP_P1_8483_26201005	NC_021160.1	Ca_kabuli_chr01	26201005	GG	AA	1940134514
SNP_P1_8484_26201008	NC_021160.1	Ca_kabuli_chr01	26201008	CC	GG	1940134515
SNP_P1_8485_26202266	NC_021160.1	Ca_kabuli_chr01	26202266	AA	TT	1940134516
SNP_P1_8486_26202344	NC_021160.1	Ca_kabuli_chr01	26202344	TT	CC	1940134517
SNP_P1_8487_26202942	NC_021160.1	Ca_kabuli_chr01	26202942	CC	TT	1940134518
SNP_P1_8488_26203069	NC_021160.1	Ca_kabuli_chr01	26203069	GG	AA	1940134519
SNP_P1_8490_26210031	NC_021160.1	Ca_kabuli_chr01	26210031	TT	CC	1940134520
SNP_P1_8491_26220810	NC_021160.1	Ca_kabuli_chr01	26220810	AA	GG	1940134521
SNP_P1_8492_26220815	NC_021160.1	Ca_kabuli_chr01	26220815	TT	AA	1940134522
SNP_P1_8493_26220873	NC_021160.1	Ca_kabuli_chr01	26220873	CC	TT	1940134523
SNP_P1_8494_26223091	NC_021160.1	Ca_kabuli_chr01	26223091	TT	AA	1940134524
SNP_P1_8495_26224039	NC_021160.1	Ca_kabuli_chr01	26224039	GG	AA	1940134525
SNP_P1_8496_26224106	NC_021160.1	Ca_kabuli_chr01	26224106	CC	TT	1940134526
SNP_P1_8497_26224108	NC_021160.1	Ca_kabuli_chr01	26224108	TT	CC	1940134527
SNP_P1_8498_26224114	NC_021160.1	Ca_kabuli_chr01	26224114	CC	TT	1940134529
SNP_P1_8499_26224126	NC_021160.1	Ca_kabuli_chr01	26224126	CC	AA	1940134530
SNP_P1_8500_26224154	NC_021160.1	Ca_kabuli_chr01	26224154	AA	TT	1940134531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8502_26224297	NC_021160.1	Ca_kabuli_chr01	26224297	GG	AA	1940134533
SNP_P1_8503_26230618	NC_021160.1	Ca_kabuli_chr01	26230618	TT	CC	1940134534
SNP_P1_8504_26230634	NC_021160.1	Ca_kabuli_chr01	26230634	GG	AA	1940134535
SNP_P1_8505_26238027	NC_021160.1	Ca_kabuli_chr01	26238027	TT	CC	1940134536
SNP_P1_8506_26245860	NC_021160.1	Ca_kabuli_chr01	26245860	TT	CC	1940134537
SNP_P1_8507_26245915	NC_021160.1	Ca_kabuli_chr01	26245915	TT	CC	1940134538
SNP_P1_8508_26245928	NC_021160.1	Ca_kabuli_chr01	26245928	GG	AA	1940134539
SNP_P1_8509_26246096	NC_021160.1	Ca_kabuli_chr01	26246096	AA	CC	1940134540
SNP_P1_8511_26246104	NC_021160.1	Ca_kabuli_chr01	26246104	GG	TT	1940134541
SNP_P1_8512_26246189	NC_021160.1	Ca_kabuli_chr01	26246189	CC	TT	1940134542
SNP_P1_8513_26246231	NC_021160.1	Ca_kabuli_chr01	26246231	AA	GG	1940134543
SNP_P1_8514_26246535	NC_021160.1	Ca_kabuli_chr01	26246535	GG	AA	1940134544
SNP_P1_8515_26246604	NC_021160.1	Ca_kabuli_chr01	26246604	TT	CC	1940134545
SNP_P1_8516_26246629	NC_021160.1	Ca_kabuli_chr01	26246629	GG	CC	1940134546
SNP_P1_8517_26246636	NC_021160.1	Ca_kabuli_chr01	26246636	AA	CC	1940134547
SNP_P1_8518_26246699	NC_021160.1	Ca_kabuli_chr01	26246699	TT	CC	1940134548
SNP_P1_8519_26246714	NC_021160.1	Ca_kabuli_chr01	26246714	TT	AA	1940134549
SNP_P1_8520_26247149	NC_021160.1	Ca_kabuli_chr01	26247149	CC	TT	1940134550
SNP_P1_8521_26247152	NC_021160.1	Ca_kabuli_chr01	26247152	AA	TT	1940134551
SNP_P1_8522_26247157	NC_021160.1	Ca_kabuli_chr01	26247157	TT	CC	1940134552
SNP_P1_8523_26247165	NC_021160.1	Ca_kabuli_chr01	26247165	GG	AA	1940134553
SNP_P1_8524_26247337	NC_021160.1	Ca_kabuli_chr01	26247337	TT	AA	1940134554
SNP_P1_8525_26247466	NC_021160.1	Ca_kabuli_chr01	26247466	CC	AA	1940134555
SNP_P1_8526_26247467	NC_021160.1	Ca_kabuli_chr01	26247467	CC	TT	1940134556
SNP_P1_8527_26251887	NC_021160.1	Ca_kabuli_chr01	26251887	CC	TT	1940134557
SNP_P1_8528_26252281	NC_021160.1	Ca_kabuli_chr01	26252281	AA	CC	1940134558
SNP_P1_8529_26253037	NC_021160.1	Ca_kabuli_chr01	26253037	TT	AA	1940134559
SNP_P1_8530_26259718	NC_021160.1	Ca_kabuli_chr01	26259718	TT	AA	1940134560
SNP_P1_8532_26264392	NC_021160.1	Ca_kabuli_chr01	26264392	AA	GG	1940134561
SNP_P1_8533_26279432	NC_021160.1	Ca_kabuli_chr01	26279432	TT	CC	1940134562
SNP_P1_8534_26291618	NC_021160.1	Ca_kabuli_chr01	26291618	AA	GG	1940134563
SNP_P1_8535_26291639	NC_021160.1	Ca_kabuli_chr01	26291639	GG	CC	1940134564
SNP_P1_8536_26291644	NC_021160.1	Ca_kabuli_chr01	26291644	AA	TT	1940134566
SNP_P1_8537_26297908	NC_021160.1	Ca_kabuli_chr01	26297908	CC	TT	1940134567
SNP_P1_8538_26298160	NC_021160.1	Ca_kabuli_chr01	26298160	GG	TT	1940134568
SNP_P1_8539_26298181	NC_021160.1	Ca_kabuli_chr01	26298181	AA	GG	1940134569
SNP_P1_8540_26298196	NC_021160.1	Ca_kabuli_chr01	26298196	TT	CC	1940134570
SNP_P1_8541_26298198	NC_021160.1	Ca_kabuli_chr01	26298198	GG	AA	1940134571
SNP_P1_8542_26298211	NC_021160.1	Ca_kabuli_chr01	26298211	TT	AA	1940134572
SNP_P1_8543_26298217	NC_021160.1	Ca_kabuli_chr01	26298217	TT	GG	1940134573
SNP_P1_8544_26298223	NC_021160.1	Ca_kabuli_chr01	26298223	CC	TT	1940134574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8546_26298253	NC_021160.1	Ca_kabuli_chr01	26298253	TT	CC	1940134576
SNP_P1_8547_26298268	NC_021160.1	Ca_kabuli_chr01	26298268	TT	CC	1940134577
SNP_P1_8549_26301931	NC_021160.1	Ca_kabuli_chr01	26301931	CC	TT	1940134578
SNP_P1_8550_26302005	NC_021160.1	Ca_kabuli_chr01	26302005	CC	TT	1940134579
SNP_P1_8551_26302138	NC_021160.1	Ca_kabuli_chr01	26302138	CC	TT	1940134580
SNP_P1_8552_26302144	NC_021160.1	Ca_kabuli_chr01	26302144	CC	GG	1940134581
SNP_P1_8553_26303196	NC_021160.1	Ca_kabuli_chr01	26303196	TT	CC	1940134582
SNP_P1_8554_26306039	NC_021160.1	Ca_kabuli_chr01	26306039	GG	AA	1940134583
SNP_P1_8556_26309137	NC_021160.1	Ca_kabuli_chr01	26309137	AA	GG	1940134584
SNP_P1_8558_26309217	NC_021160.1	Ca_kabuli_chr01	26309217	GG	CC	1940134585
SNP_P1_8559_26309225	NC_021160.1	Ca_kabuli_chr01	26309225	TT	AA	1940134586
SNP_P1_8560_26309302	NC_021160.1	Ca_kabuli_chr01	26309302	TT	GG	1940134587
SNP_P1_8561_26309318	NC_021160.1	Ca_kabuli_chr01	26309318	TT	GG	1940134588
SNP_P1_8562_26309347	NC_021160.1	Ca_kabuli_chr01	26309347	AA	GG	1940134589
SNP_P1_8563_26309355	NC_021160.1	Ca_kabuli_chr01	26309355	CC	GG	1940134590
SNP_P1_8564_26318936	NC_021160.1	Ca_kabuli_chr01	26318936	AA	TT	1940134591
SNP_P1_8565_26319330	NC_021160.1	Ca_kabuli_chr01	26319330	CC	TT	1940134592
SNP_P1_8566_26319355	NC_021160.1	Ca_kabuli_chr01	26319355	TT	CC	1940134593
SNP_P1_8567_26325529	NC_021160.1	Ca_kabuli_chr01	26325529	AA	GG	1940134594
SNP_P1_8568_26325883	NC_021160.1	Ca_kabuli_chr01	26325883	TT	CC	1940134595
SNP_P1_8569_26331153	NC_021160.1	Ca_kabuli_chr01	26331153	AA	GG	1940134596
SNP_P1_8570_26341944	NC_021160.1	Ca_kabuli_chr01	26341944	GG	AA	1940134597
SNP_P1_8571_26352687	NC_021160.1	Ca_kabuli_chr01	26352687	TT	GG	1940134598
SNP_P1_8574_26362603	NC_021160.1	Ca_kabuli_chr01	26362603	TT	CC	1940134599
SNP_P1_8575_26385045	NC_021160.1	Ca_kabuli_chr01	26385045	AA	GG	1940134600
SNP_P1_8576_26394103	NC_021160.1	Ca_kabuli_chr01	26394103	CC	TT	1940134601
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SNP_P1_8578_26400057	NC_021160.1	Ca_kabuli_chr01	26400057	GG	AA	1940134603
SNP_P1_8579_26400092	NC_021160.1	Ca_kabuli_chr01	26400092	AA	GG	1940134604
SNP_P1_8581_26405766	NC_021160.1	Ca_kabuli_chr01	26405766	TT	CC	1940134605
SNP_P1_8582_26406389	NC_021160.1	Ca_kabuli_chr01	26406389	TT	AA	1940134606
SNP_P1_8583_26406460	NC_021160.1	Ca_kabuli_chr01	26406460	GG	TT	1940134607
SNP_P1_8584_26406473	NC_021160.1	Ca_kabuli_chr01	26406473	AA	CC	1940134608
SNP_P1_8585_26407562	NC_021160.1	Ca_kabuli_chr01	26407562	TT	GG	1940134609
SNP_P1_8586_26407963	NC_021160.1	Ca_kabuli_chr01	26407963	TT	GG	1940134610
SNP_P1_8587_26408003	NC_021160.1	Ca_kabuli_chr01	26408003	CC	TT	1940134611
SNP_P1_8588_26408014	NC_021160.1	Ca_kabuli_chr01	26408014	TT	CC	1940134612
SNP_P1_8589_26408412	NC_021160.1	Ca_kabuli_chr01	26408412	GG	CC	1940134613
SNP_P1_8591_26408636	NC_021160.1	Ca_kabuli_chr01	26408636	AA	GG	1940134614
SNP_P1_8594_26418975	NC_021160.1	Ca_kabuli_chr01	26418975	GG	AA	1940134615
SNP_P1_8595_26439011	NC_021160.1	Ca_kabuli_chr01	26439011	CC	TT	1940134616

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8597_26443568	NC_021160.1	Ca_kabuli_chr01	26443568	TT	GG	1940134619
SNP_P1_8598_26447892	NC_021160.1	Ca_kabuli_chr01	26447892	CC	TT	1940134620
SNP_P1_8599_26457745	NC_021160.1	Ca_kabuli_chr01	26457745	GG	AA	1940134621
SNP_P1_8600_26462988	NC_021160.1	Ca_kabuli_chr01	26462988	TT	AA	1940134622
SNP_P1_8601_26467104	NC_021160.1	Ca_kabuli_chr01	26467104	AA	TT	1940134623
SNP_P1_8602_26489583	NC_021160.1	Ca_kabuli_chr01	26489583	GG	AA	1940134624
SNP_P1_8603_26489584	NC_021160.1	Ca_kabuli_chr01	26489584	TT	CC	1940134625
SNP_P1_8604_26491306	NC_021160.1	Ca_kabuli_chr01	26491306	AA	GG	1940134626
SNP_P1_8605_26494333	NC_021160.1	Ca_kabuli_chr01	26494333	AA	GG	1940134627
SNP_P1_8606_26494340	NC_021160.1	Ca_kabuli_chr01	26494340	TT	CC	1940134628
SNP_P1_8607_26494703	NC_021160.1	Ca_kabuli_chr01	26494703	TT	AA	1940134629
SNP_P1_8608_26496861	NC_021160.1	Ca_kabuli_chr01	26496861	AA	CC	1940134630
SNP_P1_8609_26502140	NC_021160.1	Ca_kabuli_chr01	26502140	CC	TT	1940134631
SNP_P1_8610_26505390	NC_021160.1	Ca_kabuli_chr01	26505390	AA	CC	1940134632
SNP_P1_8611_26512361	NC_021160.1	Ca_kabuli_chr01	26512361	GG	AA	1940134633
SNP_P1_8612_26518422	NC_021160.1	Ca_kabuli_chr01	26518422	AA	TT	1940134634
SNP_P1_8613_26518425	NC_021160.1	Ca_kabuli_chr01	26518425	CC	TT	1940134635
SNP_P1_8614_26521805	NC_021160.1	Ca_kabuli_chr01	26521805	TT	AA	1940134636
SNP_P1_8615_26527715	NC_021160.1	Ca_kabuli_chr01	26527715	CC	TT	1940134637
SNP_P1_8616_26538448	NC_021160.1	Ca_kabuli_chr01	26538448	CC	TT	1940134638
SNP_P1_8617_26551129	NC_021160.1	Ca_kabuli_chr01	26551129	CC	TT	1940134639
SNP_P1_8618_26570111	NC_021160.1	Ca_kabuli_chr01	26570111	CC	AA	1940134640
SNP_P1_8619_26570187	NC_021160.1	Ca_kabuli_chr01	26570187	CC	TT	1940134641
SNP_P1_8621_26590447	NC_021160.1	Ca_kabuli_chr01	26590447	AA	GG	1940134642
SNP_P1_8622_26590622	NC_021160.1	Ca_kabuli_chr01	26590622	GG	AA	1940134643
SNP_P1_8623_26591111	NC_021160.1	Ca_kabuli_chr01	26591111	AA	CC	1940134644
SNP_P1_8624_26592066	NC_021160.1	Ca_kabuli_chr01	26592066	GG	TT	1940134645
SNP_P1_8626_26597474	NC_021160.1	Ca_kabuli_chr01	26597474	CC	GG	1940134646
SNP_P1_8627_26603234	NC_021160.1	Ca_kabuli_chr01	26603234	TT	AA	1940134647
SNP_P1_8629_26611170	NC_021160.1	Ca_kabuli_chr01	26611170	CC	GG	1940134648
SNP_P1_8630_26613090	NC_021160.1	Ca_kabuli_chr01	26613090	TT	CC	1940134649
SNP_P1_8631_26625107	NC_021160.1	Ca_kabuli_chr01	26625107	GG	CC	1940134650
SNP_P1_8632_26627042	NC_021160.1	Ca_kabuli_chr01	26627042	TT	CC	1940134651
SNP_P1_8633_26634952	NC_021160.1	Ca_kabuli_chr01	26634952	TT	CC	1940134652
SNP_P1_8634_26656962	NC_021160.1	Ca_kabuli_chr01	26656962	GG	AA	1940134653
SNP_P1_8635_26656981	NC_021160.1	Ca_kabuli_chr01	26656981	AA	GG	1940134654
SNP_P1_8636_26657116	NC_021160.1	Ca_kabuli_chr01	26657116	AA	GG	1940134655
SNP_P1_8637_26657125	NC_021160.1	Ca_kabuli_chr01	26657125	TT	AA	1940134656
SNP_P1_8638_26657126	NC_021160.1	Ca_kabuli_chr01	26657126	TT	CC	1940134657
SNP_P1_8639_26659325	NC_021160.1	Ca_kabuli_chr01	26659325	CC	TT	1940134658
SNP_P1_8640_26660661	NC_021160.1	Ca_kabuli_chr01	26660661	CC	TT	1940134660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8643_26683310	NC_021160.1	Ca_kabuli_chr01	26683310	TT	CC	1940134662
SNP_P1_8645_26710960	NC_021160.1	Ca_kabuli_chr01	26710960	CC	TT	1940134663
SNP_P1_8646_26723448	NC_021160.1	Ca_kabuli_chr01	26723448	TT	CC	1940134664
SNP_P1_8648_26759908	NC_021160.1	Ca_kabuli_chr01	26759908	TT	CC	1940134665
SNP_P1_8649_26759920	NC_021160.1	Ca_kabuli_chr01	26759920	CC	AA	1940134666
SNP_P1_8650_26764141	NC_021160.1	Ca_kabuli_chr01	26764141	GG	TT	1940134667
SNP_P1_8651_26771282	NC_021160.1	Ca_kabuli_chr01	26771282	CC	TT	1940134668
SNP_P1_8654_26799215	NC_021160.1	Ca_kabuli_chr01	26799215	TT	CC	1940134669
SNP_P1_8655_26801667	NC_021160.1	Ca_kabuli_chr01	26801667	AA	GG	1940134670
SNP_P1_8657_26805263	NC_021160.1	Ca_kabuli_chr01	26805263	GG	AA	1940134671
SNP_P1_8658_26805457	NC_021160.1	Ca_kabuli_chr01	26805457	AA	GG	1940134672
SNP_P1_8660_26820177	NC_021160.1	Ca_kabuli_chr01	26820177	GG	CC	1940134673
SNP_P1_8661_26826634	NC_021160.1	Ca_kabuli_chr01	26826634	TT	CC	1940134674
SNP_P1_8662_26833077	NC_021160.1	Ca_kabuli_chr01	26833077	GG	TT	1940134675
SNP_P1_8663_26850859	NC_021160.1	Ca_kabuli_chr01	26850859	GG	AA	1940134676
SNP_P1_8664_26864052	NC_021160.1	Ca_kabuli_chr01	26864052	AA	GG	1940134677
SNP_P1_8665_26864178	NC_021160.1	Ca_kabuli_chr01	26864178	TT	CC	1940134678
SNP_P1_8666_26864258	NC_021160.1	Ca_kabuli_chr01	26864258	TT	GG	1940134679
SNP_P1_8668_26868620	NC_021160.1	Ca_kabuli_chr01	26868620	AA	CC	1940134680
SNP_P1_8669_26875710	NC_021160.1	Ca_kabuli_chr01	26875710	TT	GG	1940134681
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SNP_P1_8673_26890361	NC_021160.1	Ca_kabuli_chr01	26890361	GG	AA	1940134683
SNP_P1_8675_26898061	NC_021160.1	Ca_kabuli_chr01	26898061	AA	CC	1940134684
SNP_P1_8676_26903312	NC_021160.1	Ca_kabuli_chr01	26903312	TT	GG	1940134685
SNP_P1_8677_26936143	NC_021160.1	Ca_kabuli_chr01	26936143	CC	TT	1940134686
SNP_P1_8678_26939291	NC_021160.1	Ca_kabuli_chr01	26939291	AA	GG	1940134687
SNP_P1_8679_26939304	NC_021160.1	Ca_kabuli_chr01	26939304	AA	CC	1940134688
SNP_P1_8680_26939336	NC_021160.1	Ca_kabuli_chr01	26939336	TT	AA	1940134689
SNP_P1_8685_26983031	NC_021160.1	Ca_kabuli_chr01	26983031	CC	TT	1940134690
SNP_P1_8690_26997552	NC_021160.1	Ca_kabuli_chr01	26997552	GG	AA	1940134691
SNP_P1_8691_26997696	NC_021160.1	Ca_kabuli_chr01	26997696	CC	AA	1940134692
SNP_P1_8692_26997760	NC_021160.1	Ca_kabuli_chr01	26997760	TT	GG	1940134693
SNP_P1_8693_27000965	NC_021160.1	Ca_kabuli_chr01	27000965	CC	TT	1940134694
SNP_P1_8695_27034560	NC_021160.1	Ca_kabuli_chr01	27034560	TT	AA	1940134695
SNP_P1_8696_27034593	NC_021160.1	Ca_kabuli_chr01	27034593	GG	AA	1940134696
SNP_P1_8697_27039048	NC_021160.1	Ca_kabuli_chr01	27039048	CC	TT	1940134697
SNP_P1_8698_27058978	NC_021160.1	Ca_kabuli_chr01	27058978	AA	CC	1940134698
SNP_P1_8699_27059024	NC_021160.1	Ca_kabuli_chr01	27059024	TT	CC	1940134699
SNP_P1_8700_27059039	NC_021160.1	Ca_kabuli_chr01	27059039	TT	CC	1940134700
SNP_P1_8701_27059084	NC_021160.1	Ca_kabuli_chr01	27059084	CC	TT	1940134701
SNP_P1_8702_27059089	NC_021160.1	Ca_kabuli_chr01	27059089	GG	AA	1940134702

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8705_27059667	NC_021160.1	Ca_kabuli_chr01	27059667	AA	GG	1940134706
SNP_P1_8706_27059670	NC_021160.1	Ca_kabuli_chr01	27059670	CC	GG	1940134707
SNP_P1_8707_27073573	NC_021160.1	Ca_kabuli_chr01	27073573	CC	TT	1940134708
SNP_P1_8708_27081034	NC_021160.1	Ca_kabuli_chr01	27081034	TT	CC	1940134709
SNP_P1_8709_27081165	NC_021160.1	Ca_kabuli_chr01	27081165	AA	GG	1940134710
SNP_P1_8710_27081610	NC_021160.1	Ca_kabuli_chr01	27081610	TT	CC	1940134711
SNP_P1_8711_27081636	NC_021160.1	Ca_kabuli_chr01	27081636	TT	CC	1940134712
SNP_P1_8712_27081637	NC_021160.1	Ca_kabuli_chr01	27081637	GG	AA	1940134713
SNP_P1_8713_27081692	NC_021160.1	Ca_kabuli_chr01	27081692	CC	TT	1940134714
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SNP_P1_8715_27085464	NC_021160.1	Ca_kabuli_chr01	27085464	TT	AA	1940134716
SNP_P1_8716_27089705	NC_021160.1	Ca_kabuli_chr01	27089705	CC	TT	1940134717
SNP_P1_8717_27103668	NC_021160.1	Ca_kabuli_chr01	27103668	GG	AA	1940134718
SNP_P1_8718_27104511	NC_021160.1	Ca_kabuli_chr01	27104511	CC	TT	1940134719
SNP_P1_8720_27107113	NC_021160.1	Ca_kabuli_chr01	27107113	GG	TT	1940134720
SNP_P1_8721_27107114	NC_021160.1	Ca_kabuli_chr01	27107114	TT	AA	1940134721
SNP_P1_8723_27107180	NC_021160.1	Ca_kabuli_chr01	27107180	AA	GG	1940134722
SNP_P1_8724_27107189	NC_021160.1	Ca_kabuli_chr01	27107189	AA	TT	1940134723
SNP_P1_8725_27107206	NC_021160.1	Ca_kabuli_chr01	27107206	AA	GG	1940134724
SNP_P1_8726_27107208	NC_021160.1	Ca_kabuli_chr01	27107208	GG	AA	1940134725
SNP_P1_8727_27107304	NC_021160.1	Ca_kabuli_chr01	27107304	AA	CC	1940134726
SNP_P1_8729_27107356	NC_021160.1	Ca_kabuli_chr01	27107356	GG	AA	1940134727
SNP_P1_8730_27107363	NC_021160.1	Ca_kabuli_chr01	27107363	GG	TT	1940134728
SNP_P1_8731_27107385	NC_021160.1	Ca_kabuli_chr01	27107385	CC	TT	1940134729
SNP_P1_8732_27118666	NC_021160.1	Ca_kabuli_chr01	27118666	CC	TT	1940134730
SNP_P1_8734_27126034	NC_021160.1	Ca_kabuli_chr01	27126034	GG	AA	1940134731
SNP_P1_8735_27126100	NC_021160.1	Ca_kabuli_chr01	27126100	GG	AA	1940134732
SNP_P1_8736_27126126	NC_021160.1	Ca_kabuli_chr01	27126126	AA	GG	1940134733
SNP_P1_8737_27126325	NC_021160.1	Ca_kabuli_chr01	27126325	GG	AA	1940134734
SNP_P1_8738_27126340	NC_021160.1	Ca_kabuli_chr01	27126340	TT	CC	1940134735
SNP_P1_8739_27135175	NC_021160.1	Ca_kabuli_chr01	27135175	GG	CC	1940134736
SNP_P1_8740_27137414	NC_021160.1	Ca_kabuli_chr01	27137414	TT	GG	1940134737
SNP_P1_8741_27137418	NC_021160.1	Ca_kabuli_chr01	27137418	GG	AA	1940134738
SNP_P1_8742_27137445	NC_021160.1	Ca_kabuli_chr01	27137445	CC	TT	1940134739
SNP_P1_8743_27139918	NC_021160.1	Ca_kabuli_chr01	27139918	AA	TT	1940134741
SNP_P1_8744_27139972	NC_021160.1	Ca_kabuli_chr01	27139972	TT	GG	1940134742
SNP_P1_8745_27143063	NC_021160.1	Ca_kabuli_chr01	27143063	CC	AA	1940134743
SNP_P1_8746_27160411	NC_021160.1	Ca_kabuli_chr01	27160411	CC	AA	1940134744
SNP_P1_8747_27160445	NC_021160.1	Ca_kabuli_chr01	27160445	TT	CC	1940134745
SNP_P1_8748_27160625	NC_021160.1	Ca_kabuli_chr01	27160625	GG	CC	1940134746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_8749_27160710	NC_021160.1	Ca_kabuli_chr01	27160710	GG	AA	1940134747
SNP_P1_8750_27160730	NC_021160.1	Ca_kabuli_chr01	27160730	TT	CC	1940134748
SNP_P1_8751_27160775	NC_021160.1	Ca_kabuli_chr01	27160775	CC	TT	1940134749
SNP_P1_8752_27161988	NC_021160.1	Ca_kabuli_chr01	27161988	AA	TT	1940134750
SNP_P1_8753_27188806	NC_021160.1	Ca_kabuli_chr01	27188806	AA	GG	1940134751
SNP_P1_8754_27188818	NC_021160.1	Ca_kabuli_chr01	27188818	AA	GG	1940134752
SNP_P1_8755_27189103	NC_021160.1	Ca_kabuli_chr01	27189103	GG	AA	1940134753
SNP_P1_8756_27200564	NC_021160.1	Ca_kabuli_chr01	27200564	GG	AA	1940134754
SNP_P1_8757_27200597	NC_021160.1	Ca_kabuli_chr01	27200597	GG	AA	1940134755
SNP_P1_8758_27200619	NC_021160.1	Ca_kabuli_chr01	27200619	AA	GG	1940134756
SNP_P1_8759_27203799	NC_021160.1	Ca_kabuli_chr01	27203799	AA	GG	1940134757
SNP_P1_8760_27204212	NC_021160.1	Ca_kabuli_chr01	27204212	GG	TT	1940134758
SNP_P1_8762_27226169	NC_021160.1	Ca_kabuli_chr01	27226169	AA	GG	1940134759
SNP_P1_8763_27226196	NC_021160.1	Ca_kabuli_chr01	27226196	AA	GG	1940134760
SNP_P1_8764_27226541	NC_021160.1	Ca_kabuli_chr01	27226541	AA	TT	1940134761
SNP_P1_8765_27232175	NC_021160.1	Ca_kabuli_chr01	27232175	AA	TT	1940134762
SNP_P1_8766_27232179	NC_021160.1	Ca_kabuli_chr01	27232179	CC	TT	1940134763
SNP_P1_8767_27254703	NC_021160.1	Ca_kabuli_chr01	27254703	AA	GG	1940134764
SNP_P1_8768_27254710	NC_021160.1	Ca_kabuli_chr01	27254710	TT	CC	1940134765
SNP_P1_8769_27254727	NC_021160.1	Ca_kabuli_chr01	27254727	AA	GG	1940134766
SNP_P1_8770_27254731	NC_021160.1	Ca_kabuli_chr01	27254731	CC	TT	1940134767
SNP_P1_8771_27254732	NC_021160.1	Ca_kabuli_chr01	27254732	TT	CC	1940134768
SNP_P1_8772_27259776	NC_021160.1	Ca_kabuli_chr01	27259776	AA	GG	1940134769
SNP_P1_8773_27263682	NC_021160.1	Ca_kabuli_chr01	27263682	AA	GG	1940134770
SNP_P1_8774_27263704	NC_021160.1	Ca_kabuli_chr01	27263704	AA	GG	1940134771
SNP_P1_8775_27263791	NC_021160.1	Ca_kabuli_chr01	27263791	CC	TT	1940134772
SNP_P1_8776_27263915	NC_021160.1	Ca_kabuli_chr01	27263915	TT	CC	1940134773
SNP_P1_8777_27263955	NC_021160.1	Ca_kabuli_chr01	27263955	AA	CC	1940134774
SNP_P1_8778_27263988	NC_021160.1	Ca_kabuli_chr01	27263988	TT	CC	1940134775
SNP_P1_8779_27264006	NC_021160.1	Ca_kabuli_chr01	27264006	TT	CC	1940134776
SNP_P1_8780_27264023	NC_021160.1	Ca_kabuli_chr01	27264023	CC	AA	1940134777
SNP_P1_8781_27264040	NC_021160.1	Ca_kabuli_chr01	27264040	AA	GG	1940134778
SNP_P1_8782_27264069	NC_021160.1	Ca_kabuli_chr01	27264069	AA	CC	1940134780
SNP_P1_8783_27264091	NC_021160.1	Ca_kabuli_chr01	27264091	TT	CC	1940134781
SNP_P1_8784_27264125	NC_021160.1	Ca_kabuli_chr01	27264125	TT	CC	1940134782
SNP_P1_8785_27266916	NC_021160.1	Ca_kabuli_chr01	27266916	AA	TT	1940134783
SNP_P1_8786_27267874	NC_021160.1	Ca_kabuli_chr01	27267874	GG	AA	1940134784
SNP_P1_8787_27268309	NC_021160.1	Ca_kabuli_chr01	27268309	CC	TT	1940134785
SNP_P1_8788_27277877	NC_021160.1	Ca_kabuli_chr01	27277877	TT	CC	1940134786
SNP_P1_8789_27277902	NC_021160.1	Ca_kabuli_chr01	27277902	GG	AA	1940134787
SNP_P1_8790_27277919	NC_021160.1	Ca_kabuli_chr01	27277919	TT	CC	1940134788
SNP_P1_8791_27282619	NC_021160.1	Ca_kabuli_chr01	27282619	AA	TT	1940134789

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8793_27282654	NC_021160.1	Ca_kabuli_chr01	27282654	AA	GG	1940134791
SNP_P1_8794_27282683	NC_021160.1	Ca_kabuli_chr01	27282683	TT	CC	1940134792
SNP_P1_8795_27282716	NC_021160.1	Ca_kabuli_chr01	27282716	CC	TT	1940134793
SNP_P1_8797_27282961	NC_021160.1	Ca_kabuli_chr01	27282961	CC	TT	1940134794
SNP_P1_8798_27282970	NC_021160.1	Ca_kabuli_chr01	27282970	AA	TT	1940134795
SNP_P1_8799_27292011	NC_021160.1	Ca_kabuli_chr01	27292011	CC	TT	1940134796
SNP_P1_8800_27292057	NC_021160.1	Ca_kabuli_chr01	27292057	GG	AA	1940134797
SNP_P1_8801_27292089	NC_021160.1	Ca_kabuli_chr01	27292089	TT	CC	1940134798
SNP_P1_8802_27296594	NC_021160.1	Ca_kabuli_chr01	27296594	TT	CC	1940134799
SNP_P1_8803_27296603	NC_021160.1	Ca_kabuli_chr01	27296603	GG	AA	1940134800
SNP_P1_8804_27296909	NC_021160.1	Ca_kabuli_chr01	27296909	AA	CC	1940134801
SNP_P1_8805_27296910	NC_021160.1	Ca_kabuli_chr01	27296910	AA	GG	1940134802
SNP_P1_8806_27296921	NC_021160.1	Ca_kabuli_chr01	27296921	GG	CC	1940134803
SNP_P1_8807_27296939	NC_021160.1	Ca_kabuli_chr01	27296939	TT	CC	1940134804
SNP_P1_8808_27296953	NC_021160.1	Ca_kabuli_chr01	27296953	TT	CC	1940134805
SNP_P1_8809_27296968	NC_021160.1	Ca_kabuli_chr01	27296968	TT	AA	1940134806
SNP_P1_8810_27296979	NC_021160.1	Ca_kabuli_chr01	27296979	AA	GG	1940134807
SNP_P1_8811_27300714	NC_021160.1	Ca_kabuli_chr01	27300714	AA	CC	1940134808
SNP_P1_8812_27300848	NC_021160.1	Ca_kabuli_chr01	27300848	TT	CC	1940134809
SNP_P1_8813_27300865	NC_021160.1	Ca_kabuli_chr01	27300865	GG	AA	1940134810
SNP_P1_8814_27301072	NC_021160.1	Ca_kabuli_chr01	27301072	AA	GG	1940134811
SNP_P1_8815_27301079	NC_021160.1	Ca_kabuli_chr01	27301079	TT	CC	1940134812
SNP_P1_8816_27301390	NC_021160.1	Ca_kabuli_chr01	27301390	AA	GG	1940134813
SNP_P1_8817_27301438	NC_021160.1	Ca_kabuli_chr01	27301438	GG	TT	1940134814
SNP_P1_8818_27320006	NC_021160.1	Ca_kabuli_chr01	27320006	AA	GG	1940134815
SNP_P1_8819_27320373	NC_021160.1	Ca_kabuli_chr01	27320373	GG	CC	1940134817
SNP_P1_8820_27320641	NC_021160.1	Ca_kabuli_chr01	27320641	TT	CC	1940134818
SNP_P1_8821_27320650	NC_021160.1	Ca_kabuli_chr01	27320650	GG	AA	1940134819
SNP_P1_8822_27320651	NC_021160.1	Ca_kabuli_chr01	27320651	GG	AA	1940134820
SNP_P1_8823_27320653	NC_021160.1	Ca_kabuli_chr01	27320653	TT	CC	1940134821
SNP_P1_8824_27320987	NC_021160.1	Ca_kabuli_chr01	27320987	AA	GG	1940134822
SNP_P1_8825_27321366	NC_021160.1	Ca_kabuli_chr01	27321366	AA	GG	1940134823
SNP_P1_8826_27339825	NC_021160.1	Ca_kabuli_chr01	27339825	GG	AA	1940134824
SNP_P1_8827_27348878	NC_021160.1	Ca_kabuli_chr01	27348878	GG	TT	1940134825
SNP_P1_8829_27365890	NC_021160.1	Ca_kabuli_chr01	27365890	CC	GG	1940134826
SNP_P1_8830_27366182	NC_021160.1	Ca_kabuli_chr01	27366182	CC	AA	1940134827
SNP_P1_8831_27366354	NC_021160.1	Ca_kabuli_chr01	27366354	GG	AA	1940134828
SNP_P1_8832_27366486	NC_021160.1	Ca_kabuli_chr01	27366486	TT	AA	1940134829
SNP_P1_8833_27369426	NC_021160.1	Ca_kabuli_chr01	27369426	GG	AA	1940134830
SNP_P1_8834_27369435	NC_021160.1	Ca_kabuli_chr01	27369435	AA	TT	1940134831
SNP_P1_8835_27369439	NC_021160.1	Ca_kabuli_chr01	27369439	CC	TT	1940134832

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8837_27379180	NC_021160.1	Ca_kabuli_chr01	27379180	CC	TT	1940134834
SNP_P1_8838_27394221	NC_021160.1	Ca_kabuli_chr01	27394221	AA	CC	1940134835
SNP_P1_8839_27395178	NC_021160.1	Ca_kabuli_chr01	27395178	CC	AA	1940134836
SNP_P1_8840_27400079	NC_021160.1	Ca_kabuli_chr01	27400079	TT	GG	1940134837
SNP_P1_8841_27400096	NC_021160.1	Ca_kabuli_chr01	27400096	TT	CC	1940134838
SNP_P1_8842_27402384	NC_021160.1	Ca_kabuli_chr01	27402384	TT	AA	1940134839
SNP_P1_8843_27403397	NC_021160.1	Ca_kabuli_chr01	27403397	AA	TT	1940134840
SNP_P1_8844_27403436	NC_021160.1	Ca_kabuli_chr01	27403436	TT	GG	1940134841
SNP_P1_8845_27403444	NC_021160.1	Ca_kabuli_chr01	27403444	CC	AA	1940134842
SNP_P1_8846_27403500	NC_021160.1	Ca_kabuli_chr01	27403500	AA	CC	1940134843
SNP_P1_8847_27403757	NC_021160.1	Ca_kabuli_chr01	27403757	GG	AA	1940134844
SNP_P1_8848_27405180	NC_021160.1	Ca_kabuli_chr01	27405180	AA	TT	1940134845
SNP_P1_8849_27405399	NC_021160.1	Ca_kabuli_chr01	27405399	GG	CC	1940134846
SNP_P1_8850_27413593	NC_021160.1	Ca_kabuli_chr01	27413593	TT	AA	1940134847
SNP_P1_8851_27413797	NC_021160.1	Ca_kabuli_chr01	27413797	GG	AA	1940134848
SNP_P1_8852_27414525	NC_021160.1	Ca_kabuli_chr01	27414525	AA	TT	1940134849
SNP_P1_8853_27430057	NC_021160.1	Ca_kabuli_chr01	27430057	GG	TT	1940134850
SNP_P1_8854_27438396	NC_021160.1	Ca_kabuli_chr01	27438396	CC	AA	1940134851
SNP_P1_8855_27444814	NC_021160.1	Ca_kabuli_chr01	27444814	GG	AA	1940134852
SNP_P1_8856_27448849	NC_021160.1	Ca_kabuli_chr01	27448849	AA	TT	1940134853
SNP_P1_8857_27448854	NC_021160.1	Ca_kabuli_chr01	27448854	AA	GG	1940134854
SNP_P1_8858_27460467	NC_021160.1	Ca_kabuli_chr01	27460467	AA	GG	1940134855
SNP_P1_8859_27468660	NC_021160.1	Ca_kabuli_chr01	27468660	AA	GG	1940134856
SNP_P1_8861_27479522	NC_021160.1	Ca_kabuli_chr01	27479522	TT	CC	1940134857
SNP_P1_8862_27489949	NC_021160.1	Ca_kabuli_chr01	27489949	CC	TT	1940134858
SNP_P1_8863_27489956	NC_021160.1	Ca_kabuli_chr01	27489956	TT	AA	1940134860
SNP_P1_8864_27489981	NC_021160.1	Ca_kabuli_chr01	27489981	TT	CC	1940134861
SNP_P1_8865_27490051	NC_021160.1	Ca_kabuli_chr01	27490051	CC	AA	1940134862
SNP_P1_8866_27490054	NC_021160.1	Ca_kabuli_chr01	27490054	GG	AA	1940134863
SNP_P1_8867_27490070	NC_021160.1	Ca_kabuli_chr01	27490070	AA	GG	1940134864
SNP_P1_8868_27490095	NC_021160.1	Ca_kabuli_chr01	27490095	AA	GG	1940134865
SNP_P1_8869_27490101	NC_021160.1	Ca_kabuli_chr01	27490101	TT	AA	1940134866
SNP_P1_8870_27490110	NC_021160.1	Ca_kabuli_chr01	27490110	TT	CC	1940134867
SNP_P1_8871_27490118	NC_021160.1	Ca_kabuli_chr01	27490118	TT	CC	1940134868
SNP_P1_8872_27490258	NC_021160.1	Ca_kabuli_chr01	27490258	GG	AA	1940134869
SNP_P1_8873_27490264	NC_021160.1	Ca_kabuli_chr01	27490264	CC	TT	1940134870
SNP_P1_8874_27490271	NC_021160.1	Ca_kabuli_chr01	27490271	GG	AA	1940134871
SNP_P1_8875_27511567	NC_021160.1	Ca_kabuli_chr01	27511567	AA	TT	1940134872
SNP_P1_8876_27511604	NC_021160.1	Ca_kabuli_chr01	27511604	GG	AA	1940134873
SNP_P1_8877_27511612	NC_021160.1	Ca_kabuli_chr01	27511612	GG	TT	1940134874
SNP_P1_8878_27517920	NC_021160.1	Ca_kabuli_chr01	27517920	AA	CC	1940134875

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8880_27519596	NC_021160.1	Ca_kabuli_chr01	27519596	GG	AA	1940134877
SNP_P1_8881_27520358	NC_021160.1	Ca_kabuli_chr01	27520358	TT	GG	1940134878
SNP_P1_8882_27521200	NC_021160.1	Ca_kabuli_chr01	27521200	GG	AA	1940134879
SNP_P1_8883_27523314	NC_021160.1	Ca_kabuli_chr01	27523314	CC	TT	1940134880
SNP_P1_8884_27529186	NC_021160.1	Ca_kabuli_chr01	27529186	TT	GG	1940134881
SNP_P1_8885_27529205	NC_021160.1	Ca_kabuli_chr01	27529205	GG	AA	1940134882
SNP_P1_8886_27534447	NC_021160.1	Ca_kabuli_chr01	27534447	TT	AA	1940134883
SNP_P1_8887_27534462	NC_021160.1	Ca_kabuli_chr01	27534462	CC	TT	1940134884
SNP_P1_8888_27534551	NC_021160.1	Ca_kabuli_chr01	27534551	CC	TT	1940134885
SNP_P1_8889_27534555	NC_021160.1	Ca_kabuli_chr01	27534555	AA	TT	1940134886
SNP_P1_8890_27535175	NC_021160.1	Ca_kabuli_chr01	27535175	CC	TT	1940134887
SNP_P1_8891_27548388	NC_021160.1	Ca_kabuli_chr01	27548388	TT	CC	1940134888
SNP_P1_8892_27549819	NC_021160.1	Ca_kabuli_chr01	27549819	GG	AA	1940134889
SNP_P1_8893_27589292	NC_021160.1	Ca_kabuli_chr01	27589292	GG	AA	1940134890
SNP_P1_8895_27597008	NC_021160.1	Ca_kabuli_chr01	27597008	GG	TT	1940134891
SNP_P1_8896_27597070	NC_021160.1	Ca_kabuli_chr01	27597070	GG	AA	1940134892
SNP_P1_8897_27597542	NC_021160.1	Ca_kabuli_chr01	27597542	GG	CC	1940134893
SNP_P1_8898_27597550	NC_021160.1	Ca_kabuli_chr01	27597550	TT	CC	1940134894
SNP_P1_8899_27617562	NC_021160.1	Ca_kabuli_chr01	27617562	GG	AA	1940134895
SNP_P1_8901_27627623	NC_021160.1	Ca_kabuli_chr01	27627623	CC	TT	1940134896
SNP_P1_8902_27633468	NC_021160.1	Ca_kabuli_chr01	27633468	TT	CC	1940134897
SNP_P1_8903_27637343	NC_021160.1	Ca_kabuli_chr01	27637343	TT	AA	1940134898
SNP_P1_8904_27637393	NC_021160.1	Ca_kabuli_chr01	27637393	CC	TT	1940134899
SNP_P1_8905_27637395	NC_021160.1	Ca_kabuli_chr01	27637395	AA	TT	1940134900
SNP_P1_8906_27637415	NC_021160.1	Ca_kabuli_chr01	27637415	GG	AA	1940134901
SNP_P1_8907_27637424	NC_021160.1	Ca_kabuli_chr01	27637424	TT	AA	1940134902
SNP_P1_8908_27637644	NC_021160.1	Ca_kabuli_chr01	27637644	TT	AA	1940134904
SNP_P1_8909_27637675	NC_021160.1	Ca_kabuli_chr01	27637675	TT	CC	1940134905
SNP_P1_8910_27646576	NC_021160.1	Ca_kabuli_chr01	27646576	GG	CC	1940134906
SNP_P1_8911_27646640	NC_021160.1	Ca_kabuli_chr01	27646640	CC	TT	1940134907
SNP_P1_8912_27665428	NC_021160.1	Ca_kabuli_chr01	27665428	AA	GG	1940134908
SNP_P1_8914_27668010	NC_021160.1	Ca_kabuli_chr01	27668010	AA	TT	1940134909
SNP_P1_8915_27689037	NC_021160.1	Ca_kabuli_chr01	27689037	GG	AA	1940134910
SNP_P1_8916_27689038	NC_021160.1	Ca_kabuli_chr01	27689038	TT	AA	1940134911
SNP_P1_8917_27689064	NC_021160.1	Ca_kabuli_chr01	27689064	AA	GG	1940134912
SNP_P1_8918_27689073	NC_021160.1	Ca_kabuli_chr01	27689073	GG	TT	1940134913
SNP_P1_8919_27689109	NC_021160.1	Ca_kabuli_chr01	27689109	CC	TT	1940134914
SNP_P1_8920_27689121	NC_021160.1	Ca_kabuli_chr01	27689121	CC	TT	1940134915
SNP_P1_8921_27689180	NC_021160.1	Ca_kabuli_chr01	27689180	TT	CC	1940134916
SNP_P1_8922_27689211	NC_021160.1	Ca_kabuli_chr01	27689211	AA	GG	1940134917
SNP_P1_8923_27689283	NC_021160.1	Ca_kabuli_chr01	27689283	AA	TT	1940134918

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8925_27689308	NC_021160.1	Ca_kabuli_chr01	27689308	AA	CC	1940134920
SNP_P1_8926_27689443	NC_021160.1	Ca_kabuli_chr01	27689443	TT	AA	1940134921
SNP_P1_8927_27689533	NC_021160.1	Ca_kabuli_chr01	27689533	TT	GG	1940134922
SNP_P1_8928_27689579	NC_021160.1	Ca_kabuli_chr01	27689579	AA	GG	1940134923
SNP_P1_8929_27689593	NC_021160.1	Ca_kabuli_chr01	27689593	TT	CC	1940134924
SNP_P1_8930_27689600	NC_021160.1	Ca_kabuli_chr01	27689600	AA	GG	1940134925
SNP_P1_8931_27689622	NC_021160.1	Ca_kabuli_chr01	27689622	AA	GG	1940134926
SNP_P1_8932_27689654	NC_021160.1	Ca_kabuli_chr01	27689654	TT	CC	1940134927
SNP_P1_8933_27702846	NC_021160.1	Ca_kabuli_chr01	27702846	CC	AA	1940134928
SNP_P1_8935_27719487	NC_021160.1	Ca_kabuli_chr01	27719487	GG	AA	1940134929
SNP_P1_8936_27719704	NC_021160.1	Ca_kabuli_chr01	27719704	TT	CC	1940134930
SNP_P1_8937_27719726	NC_021160.1	Ca_kabuli_chr01	27719726	AA	GG	1940134931
SNP_P1_8938_27719735	NC_021160.1	Ca_kabuli_chr01	27719735	AA	CC	1940134932
SNP_P1_8939_27725384	NC_021160.1	Ca_kabuli_chr01	27725384	CC	TT	1940134933
SNP_P1_8940_27764789	NC_021160.1	Ca_kabuli_chr01	27764789	TT	AA	1940134934
SNP_P1_8941_27768952	NC_021160.1	Ca_kabuli_chr01	27768952	TT	GG	1940134935
SNP_P1_8942_27769944	NC_021160.1	Ca_kabuli_chr01	27769944	AA	GG	1940134936
SNP_P1_8943_27770386	NC_021160.1	Ca_kabuli_chr01	27770386	AA	GG	1940134937
SNP_P1_8944_27771222	NC_021160.1	Ca_kabuli_chr01	27771222	TT	GG	1940134938
SNP_P1_8946_27771344	NC_021160.1	Ca_kabuli_chr01	27771344	AA	TT	1940134939
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SNP_P1_8949_27773141	NC_021160.1	Ca_kabuli_chr01	27773141	CC	TT	1940134942
SNP_P1_8950_27773147	NC_021160.1	Ca_kabuli_chr01	27773147	TT	CC	1940134944
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SNP_P1_8954_27816653	NC_021160.1	Ca_kabuli_chr01	27816653	TT	CC	1940134947
SNP_P1_8955_27818999	NC_021160.1	Ca_kabuli_chr01	27818999	AA	TT	1940134948
SNP_P1_8956_27819057	NC_021160.1	Ca_kabuli_chr01	27819057	AA	CC	1940134949
SNP_P1_8957_27819248	NC_021160.1	Ca_kabuli_chr01	27819248	TT	CC	1940134950
SNP_P1_8958_27819303	NC_021160.1	Ca_kabuli_chr01	27819303	TT	CC	1940134951
SNP_P1_8959_27819896	NC_021160.1	Ca_kabuli_chr01	27819896	GG	CC	1940134952
SNP_P1_8960_27840885	NC_021160.1	Ca_kabuli_chr01	27840885	GG	AA	1940134953
SNP_P1_8961_27841801	NC_021160.1	Ca_kabuli_chr01	27841801	TT	CC	1940134954
SNP_P1_8962_27855795	NC_021160.1	Ca_kabuli_chr01	27855795	TT	GG	1940134955
SNP_P1_8963_27857598	NC_021160.1	Ca_kabuli_chr01	27857598	CC	TT	1940134956
SNP_P1_8964_27858655	NC_021160.1	Ca_kabuli_chr01	27858655	TT	CC	1940134957
SNP_P1_8965_27886401	NC_021160.1	Ca_kabuli_chr01	27886401	TT	CC	1940134958
SNP_P1_8966_27886402	NC_021160.1	Ca_kabuli_chr01	27886402	TT	GG	1940134959
SNP_P1_8967_27895706	NC_021160.1	Ca_kabuli_chr01	27895706	CC	TT	1940134960
SNP_P1_8968_27896115	NC_021160.1	Ca_kabuli_chr01	27896115	GG	AA	1940134961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_8972_27927473	NC_021160.1	Ca_kabuli_chr01	27927473	AA	TT	1940134964
SNP_P1_8973_27927475	NC_021160.1	Ca_kabuli_chr01	27927475	TT	AA	1940134965
SNP_P1_8974_27976219	NC_021160.1	Ca_kabuli_chr01	27976219	CC	TT	1940134966
SNP_P1_8975_27985089	NC_021160.1	Ca_kabuli_chr01	27985089	CC	TT	1940134967
SNP_P1_8976_27998371	NC_021160.1	Ca_kabuli_chr01	27998371	TT	CC	1940134968
SNP_P1_8977_27998387	NC_021160.1	Ca_kabuli_chr01	27998387	TT	CC	1940134969
SNP_P1_8978_28009886	NC_021160.1	Ca_kabuli_chr01	28009886	AA	CC	1940134970
SNP_P1_8979_28010557	NC_021160.1	Ca_kabuli_chr01	28010557	GG	AA	1940134971
SNP_P1_8980_28010612	NC_021160.1	Ca_kabuli_chr01	28010612	TT	CC	1940134972
SNP_P1_8981_28010620	NC_021160.1	Ca_kabuli_chr01	28010620	CC	TT	1940134973
SNP_P1_8982_28010626	NC_021160.1	Ca_kabuli_chr01	28010626	CC	TT	1940134974
SNP_P1_8983_28010806	NC_021160.1	Ca_kabuli_chr01	28010806	GG	AA	1940134975
SNP_P1_8984_28010833	NC_021160.1	Ca_kabuli_chr01	28010833	TT	CC	1940134976
SNP_P1_8985_28011473	NC_021160.1	Ca_kabuli_chr01	28011473	AA	CC	1940134977
SNP_P1_8986_28024583	NC_021160.1	Ca_kabuli_chr01	28024583	GG	AA	1940134978
SNP_P1_8987_28043627	NC_021160.1	Ca_kabuli_chr01	28043627	CC	TT	1940134979
SNP_P1_8988_28044290	NC_021160.1	Ca_kabuli_chr01	28044290	AA	GG	1940134980
SNP_P1_8989_28044320	NC_021160.1	Ca_kabuli_chr01	28044320	CC	TT	1940134981
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SNP_P1_8991_28058331	NC_021160.1	Ca_kabuli_chr01	28058331	AA	GG	1940134983
SNP_P1_8992_28058341	NC_021160.1	Ca_kabuli_chr01	28058341	CC	TT	1940134984
SNP_P1_8993_28058384	NC_021160.1	Ca_kabuli_chr01	28058384	GG	AA	1940134985
SNP_P1_8994_28081532	NC_021160.1	Ca_kabuli_chr01	28081532	CC	TT	1940134986
SNP_P1_8995_28095427	NC_021160.1	Ca_kabuli_chr01	28095427	TT	GG	1940134987
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SNP_P1_8999_28096172	NC_021160.1	Ca_kabuli_chr01	28096172	GG	AA	1940134992
SNP_P1_9000_28096207	NC_021160.1	Ca_kabuli_chr01	28096207	AA	GG	1940134993
SNP_P1_9001_28096208	NC_021160.1	Ca_kabuli_chr01	28096208	AA	TT	1940134994
SNP_P1_9002_28096240	NC_021160.1	Ca_kabuli_chr01	28096240	CC	AA	1940134995
SNP_P1_9003_28096256	NC_021160.1	Ca_kabuli_chr01	28096256	TT	CC	1940134996
SNP_P1_9004_28096304	NC_021160.1	Ca_kabuli_chr01	28096304	GG	AA	1940134997
SNP_P1_9005_28116879	NC_021160.1	Ca_kabuli_chr01	28116879	CC	AA	1940134998
SNP_P1_9006_28127868	NC_021160.1	Ca_kabuli_chr01	28127868	GG	AA	1940134999
SNP_P1_9007_28152886	NC_021160.1	Ca_kabuli_chr01	28152886	CC	AA	1940135000
SNP_P1_9008_28152889	NC_021160.1	Ca_kabuli_chr01	28152889	AA	CC	1940135001
SNP_P1_9009_28152890	NC_021160.1	Ca_kabuli_chr01	28152890	TT	GG	1940135002
SNP_P1_9010_28152895	NC_021160.1	Ca_kabuli_chr01	28152895	TT	CC	1940135003
SNP_P1_9011_28153327	NC_021160.1	Ca_kabuli_chr01	28153327	TT	CC	1940135004

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9015_28182770	NC_021160.1	Ca_kabuli_chr01	28182770	AA	TT	1940135007
SNP_P1_9016_28199668	NC_021160.1	Ca_kabuli_chr01	28199668	CC	TT	1940135008
SNP_P1_9018_28270672	NC_021160.1	Ca_kabuli_chr01	28270672	AA	GG	1940135009
SNP_P1_9019_28270673	NC_021160.1	Ca_kabuli_chr01	28270673	TT	CC	1940135010
SNP_P1_9020_28270685	NC_021160.1	Ca_kabuli_chr01	28270685	CC	GG	1940135011
SNP_P1_9021_28270688	NC_021160.1	Ca_kabuli_chr01	28270688	TT	AA	1940135013
SNP_P1_9022_28270690	NC_021160.1	Ca_kabuli_chr01	28270690	AA	TT	1940135014
SNP_P1_9023_28286383	NC_021160.1	Ca_kabuli_chr01	28286383	TT	CC	1940135015
SNP_P1_9024_28288150	NC_021160.1	Ca_kabuli_chr01	28288150	CC	TT	1940135016
SNP_P1_9025_28289584	NC_021160.1	Ca_kabuli_chr01	28289584	TT	CC	1940135017
SNP_P1_9026_28295994	NC_021160.1	Ca_kabuli_chr01	28295994	AA	CC	1940135018
SNP_P1_9027_28306843	NC_021160.1	Ca_kabuli_chr01	28306843	TT	AA	1940135019
SNP_P1_9028_28316309	NC_021160.1	Ca_kabuli_chr01	28316309	TT	CC	1940135020
SNP_P1_9029_28316330	NC_021160.1	Ca_kabuli_chr01	28316330	CC	TT	1940135021
SNP_P1_9030_28316404	NC_021160.1	Ca_kabuli_chr01	28316404	AA	GG	1940135022
SNP_P1_9031_28316405	NC_021160.1	Ca_kabuli_chr01	28316405	AA	TT	1940135023
SNP_P1_9032_28316406	NC_021160.1	Ca_kabuli_chr01	28316406	AA	TT	1940135024
SNP_P1_9033_28316555	NC_021160.1	Ca_kabuli_chr01	28316555	TT	CC	1940135025
SNP_P1_9034_28316556	NC_021160.1	Ca_kabuli_chr01	28316556	CC	TT	1940135026
SNP_P1_9035_28316575	NC_021160.1	Ca_kabuli_chr01	28316575	TT	CC	1940135027
SNP_P1_9036_28316690	NC_021160.1	Ca_kabuli_chr01	28316690	TT	CC	1940135028
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SNP_P1_9040_28324945	NC_021160.1	Ca_kabuli_chr01	28324945	GG	TT	1940135031
SNP_P1_9041_28346379	NC_021160.1	Ca_kabuli_chr01	28346379	CC	TT	1940135032
SNP_P1_9042_28347629	NC_021160.1	Ca_kabuli_chr01	28347629	GG	AA	1940135033
SNP_P1_9043_28354417	NC_021160.1	Ca_kabuli_chr01	28354417	CC	TT	1940135034
SNP_P1_9044_28387979	NC_021160.1	Ca_kabuli_chr01	28387979	GG	AA	1940135035
SNP_P1_9045_28447780	NC_021160.1	Ca_kabuli_chr01	28447780	TT	GG	1940135036
SNP_P1_9047_28449322	NC_021160.1	Ca_kabuli_chr01	28449322	AA	GG	1940135037
SNP_P1_9048_28449331	NC_021160.1	Ca_kabuli_chr01	28449331	AA	GG	1940135038
SNP_P1_9049_28449352	NC_021160.1	Ca_kabuli_chr01	28449352	TT	GG	1940135039
SNP_P1_9050_28449457	NC_021160.1	Ca_kabuli_chr01	28449457	AA	GG	1940135040
SNP_P1_9051_28449474	NC_021160.1	Ca_kabuli_chr01	28449474	TT	CC	1940135041
SNP_P1_9052_28449562	NC_021160.1	Ca_kabuli_chr01	28449562	AA	GG	1940135042
SNP_P1_9053_28449597	NC_021160.1	Ca_kabuli_chr01	28449597	AA	CC	1940135043
SNP_P1_9054_28449611	NC_021160.1	Ca_kabuli_chr01	28449611	AA	GG	1940135045
SNP_P1_9055_28449676	NC_021160.1	Ca_kabuli_chr01	28449676	AA	GG	1940135046
SNP_P1_9056_28449773	NC_021160.1	Ca_kabuli_chr01	28449773	TT	CC	1940135047
SNP_P1_9057_28449779	NC_021160.1	Ca_kabuli_chr01	28449779	AA	GG	1940135048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9061_28468082	NC_021160.1	Ca_kabuli_chr01	28468082	GG	AA	1940135051
SNP_P1_9062_28468089	NC_021160.1	Ca_kabuli_chr01	28468089	GG	AA	1940135052
SNP_P1_9063_28468135	NC_021160.1	Ca_kabuli_chr01	28468135	CC	AA	1940135053
SNP_P1_9064_28468225	NC_021160.1	Ca_kabuli_chr01	28468225	TT	AA	1940135054
SNP_P1_9065_28468299	NC_021160.1	Ca_kabuli_chr01	28468299	CC	AA	1940135055
SNP_P1_9066_28468438	NC_021160.1	Ca_kabuli_chr01	28468438	CC	TT	1940135056
SNP_P1_9067_28468483	NC_021160.1	Ca_kabuli_chr01	28468483	TT	CC	1940135057
SNP_P1_9068_28469091	NC_021160.1	Ca_kabuli_chr01	28469091	TT	AA	1940135058
SNP_P1_9070_28519793	NC_021160.1	Ca_kabuli_chr01	28519793	CC	TT	1940135059
SNP_P1_9072_28542221	NC_021160.1	Ca_kabuli_chr01	28542221	TT	AA	1940135060
SNP_P1_9073_28542237	NC_021160.1	Ca_kabuli_chr01	28542237	AA	TT	1940135061
SNP_P1_9074_28542254	NC_021160.1	Ca_kabuli_chr01	28542254	CC	TT	1940135062
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SNP_P1_9077_28550166	NC_021160.1	Ca_kabuli_chr01	28550166	CC	AA	1940135064
SNP_P1_9079_28550290	NC_021160.1	Ca_kabuli_chr01	28550290	TT	CC	1940135065
SNP_P1_9080_28550404	NC_021160.1	Ca_kabuli_chr01	28550404	GG	AA	1940135066
SNP_P1_9081_28550408	NC_021160.1	Ca_kabuli_chr01	28550408	AA	TT	1940135067
SNP_P1_9082_28550467	NC_021160.1	Ca_kabuli_chr01	28550467	AA	TT	1940135069
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SNP_P1_9085_28550517	NC_021160.1	Ca_kabuli_chr01	28550517	TT	CC	1940135072
SNP_P1_9087_28566634	NC_021160.1	Ca_kabuli_chr01	28566634	TT	GG	1940135073
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SNP_P1_9093_28598863	NC_021160.1	Ca_kabuli_chr01	28598863	AA	GG	1940135078
SNP_P1_9094_28621874	NC_021160.1	Ca_kabuli_chr01	28621874	GG	CC	1940135079
SNP_P1_9095_28647250	NC_021160.1	Ca_kabuli_chr01	28647250	TT	CC	1940135080
SNP_P1_9096_28657171	NC_021160.1	Ca_kabuli_chr01	28657171	GG	CC	1940135081
SNP_P1_9097_28659848	NC_021160.1	Ca_kabuli_chr01	28659848	AA	TT	1940135082
SNP_P1_9098_28663163	NC_021160.1	Ca_kabuli_chr01	28663163	TT	CC	1940135083
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SNP_P1_9101_28670672	NC_021160.1	Ca_kabuli_chr01	28670672	AA	CC	1940135086
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SNP_P1_9104_28696286	NC_021160.1	Ca_kabuli_chr01	28696286	GG	AA	1940135088
SNP_P1_9106_28713232	NC_021160.1	Ca_kabuli_chr01	28713232	GG	TT	1940135089
SNP_P1_9108_28721606	NC_021160.1	Ca_kabuli_chr01	28721606	TT	CC	1940135090
SNP_P1_9111_28793444	NC_021160.1	Ca_kabuli_chr01	28793444	TT	CC	1940135091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9114_28807520	NC_021160.1	Ca_kabuli_chr01	28807520	AA	TT	1940135094
SNP_P1_9115_28807607	NC_021160.1	Ca_kabuli_chr01	28807607	AA	TT	1940135095
SNP_P1_9116_28807772	NC_021160.1	Ca_kabuli_chr01	28807772	AA	CC	1940135096
SNP_P1_9117_28826413	NC_021160.1	Ca_kabuli_chr01	28826413	TT	AA	1940135097
SNP_P1_9118_28836120	NC_021160.1	Ca_kabuli_chr01	28836120	GG	AA	1940135098
SNP_P1_9119_28840344	NC_021160.1	Ca_kabuli_chr01	28840344	AA	CC	1940135099
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SNP_P1_9121_28856697	NC_021160.1	Ca_kabuli_chr01	28856697	CC	TT	1940135101
SNP_P1_9122_28863493	NC_021160.1	Ca_kabuli_chr01	28863493	GG	AA	1940135102
SNP_P1_9123_28866701	NC_021160.1	Ca_kabuli_chr01	28866701	AA	GG	1940135103
SNP_P1_9124_28866708	NC_021160.1	Ca_kabuli_chr01	28866708	GG	AA	1940135104
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SNP_P1_9126_28870303	NC_021160.1	Ca_kabuli_chr01	28870303	AA	CC	1940135106
SNP_P1_9127_28870307	NC_021160.1	Ca_kabuli_chr01	28870307	TT	CC	1940135108
SNP_P1_9128_28870318	NC_021160.1	Ca_kabuli_chr01	28870318	CC	GG	1940135109
SNP_P1_9129_28870359	NC_021160.1	Ca_kabuli_chr01	28870359	AA	GG	1940135110
SNP_P1_9130_28870876	NC_021160.1	Ca_kabuli_chr01	28870876	TT	AA	1940135111
SNP_P1_9131_28870877	NC_021160.1	Ca_kabuli_chr01	28870877	TT	GG	1940135112
SNP_P1_9132_28870895	NC_021160.1	Ca_kabuli_chr01	28870895	CC	TT	1940135113
SNP_P1_9133_28870898	NC_021160.1	Ca_kabuli_chr01	28870898	GG	TT	1940135114
SNP_P1_9134_28870911	NC_021160.1	Ca_kabuli_chr01	28870911	CC	TT	1940135115
SNP_P1_9135_28870940	NC_021160.1	Ca_kabuli_chr01	28870940	GG	CC	1940135116
SNP_P1_9136_28871198	NC_021160.1	Ca_kabuli_chr01	28871198	AA	TT	1940135117
SNP_P1_9138_28871334	NC_021160.1	Ca_kabuli_chr01	28871334	CC	TT	1940135118
SNP_P1_9139_28871470	NC_021160.1	Ca_kabuli_chr01	28871470	TT	CC	1940135119
SNP_P1_9140_28871558	NC_021160.1	Ca_kabuli_chr01	28871558	CC	TT	1940135120
SNP_P1_9141_28871603	NC_021160.1	Ca_kabuli_chr01	28871603	TT	CC	1940135121
SNP_P1_9142_28891037	NC_021160.1	Ca_kabuli_chr01	28891037	TT	CC	1940135122
SNP_P1_9143_28891060	NC_021160.1	Ca_kabuli_chr01	28891060	AA	GG	1940135123
SNP_P1_9144_28891076	NC_021160.1	Ca_kabuli_chr01	28891076	AA	GG	1940135124
SNP_P1_9145_28891079	NC_021160.1	Ca_kabuli_chr01	28891079	GG	TT	1940135125
SNP_P1_9146_28891083	NC_021160.1	Ca_kabuli_chr01	28891083	AA	GG	1940135126
SNP_P1_9147_28891118	NC_021160.1	Ca_kabuli_chr01	28891118	TT	AA	1940135127
SNP_P1_9148_28891450	NC_021160.1	Ca_kabuli_chr01	28891450	AA	CC	1940135128
SNP_P1_9150_28892184	NC_021160.1	Ca_kabuli_chr01	28892184	TT	AA	1940135129
SNP_P1_9151_28903439	NC_021160.1	Ca_kabuli_chr01	28903439	GG	AA	1940135130
SNP_P1_9152_28905200	NC_021160.1	Ca_kabuli_chr01	28905200	GG	TT	1940135131
SNP_P1_9153_28905217	NC_021160.1	Ca_kabuli_chr01	28905217	GG	AA	1940135132
SNP_P1_9154_28905278	NC_021160.1	Ca_kabuli_chr01	28905278	TT	AA	1940135133
SNP_P1_9155_28905307	NC_021160.1	Ca_kabuli_chr01	28905307	GG	AA	1940135134

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9157_28905393	NC_021160.1	Ca_kabuli_chr01	28905393	TT	CC	1940135136
SNP_P1_9158_28905422	NC_021160.1	Ca_kabuli_chr01	28905422	AA	GG	1940135137
SNP_P1_9159_28905426	NC_021160.1	Ca_kabuli_chr01	28905426	GG	AA	1940135138
SNP_P1_9160_28905467	NC_021160.1	Ca_kabuli_chr01	28905467	AA	CC	1940135139
SNP_P1_9161_28905490	NC_021160.1	Ca_kabuli_chr01	28905490	CC	AA	1940135140
SNP_P1_9162_28905531	NC_021160.1	Ca_kabuli_chr01	28905531	CC	TT	1940135141
SNP_P1_9163_28905542	NC_021160.1	Ca_kabuli_chr01	28905542	TT	CC	1940135142
SNP_P1_9164_28905560	NC_021160.1	Ca_kabuli_chr01	28905560	TT	CC	1940135143
SNP_P1_9165_28905606	NC_021160.1	Ca_kabuli_chr01	28905606	AA	GG	1940135144
SNP_P1_9166_28905638	NC_021160.1	Ca_kabuli_chr01	28905638	GG	AA	1940135145
SNP_P1_9167_28905681	NC_021160.1	Ca_kabuli_chr01	28905681	CC	TT	1940135147
SNP_P1_9168_28905770	NC_021160.1	Ca_kabuli_chr01	28905770	TT	GG	1940135148
SNP_P1_9169_28905795	NC_021160.1	Ca_kabuli_chr01	28905795	GG	AA	1940135149
SNP_P1_9170_28905952	NC_021160.1	Ca_kabuli_chr01	28905952	CC	AA	1940135150
SNP_P1_9171_28905958	NC_021160.1	Ca_kabuli_chr01	28905958	AA	TT	1940135151
SNP_P1_9172_28906046	NC_021160.1	Ca_kabuli_chr01	28906046	TT	AA	1940135152
SNP_P1_9173_28906083	NC_021160.1	Ca_kabuli_chr01	28906083	TT	GG	1940135153
SNP_P1_9174_28906209	NC_021160.1	Ca_kabuli_chr01	28906209	TT	AA	1940135154
SNP_P1_9175_28906216	NC_021160.1	Ca_kabuli_chr01	28906216	GG	TT	1940135155
SNP_P1_9176_28906260	NC_021160.1	Ca_kabuli_chr01	28906260	AA	GG	1940135156
SNP_P1_9177_28906588	NC_021160.1	Ca_kabuli_chr01	28906588	AA	TT	1940135157
SNP_P1_9178_28906605	NC_021160.1	Ca_kabuli_chr01	28906605	AA	TT	1940135158
SNP_P1_9179_28906642	NC_021160.1	Ca_kabuli_chr01	28906642	AA	GG	1940135159
SNP_P1_9181_28906731	NC_021160.1	Ca_kabuli_chr01	28906731	AA	GG	1940135160
SNP_P1_9182_28906864	NC_021160.1	Ca_kabuli_chr01	28906864	TT	CC	1940135161
SNP_P1_9183_28906869	NC_021160.1	Ca_kabuli_chr01	28906869	AA	CC	1940135162
SNP_P1_9184_28906886	NC_021160.1	Ca_kabuli_chr01	28906886	CC	AA	1940135163
SNP_P1_9185_28906892	NC_021160.1	Ca_kabuli_chr01	28906892	CC	GG	1940135164
SNP_P1_9186_28906919	NC_021160.1	Ca_kabuli_chr01	28906919	AA	GG	1940135165
SNP_P1_9187_28906929	NC_021160.1	Ca_kabuli_chr01	28906929	GG	AA	1940135166
SNP_P1_9188_28906961	NC_021160.1	Ca_kabuli_chr01	28906961	AA	GG	1940135167
SNP_P1_9189_28909932	NC_021160.1	Ca_kabuli_chr01	28909932	AA	CC	1940135168
SNP_P1_9190_28909941	NC_021160.1	Ca_kabuli_chr01	28909941	CC	TT	1940135169
SNP_P1_9191_28910026	NC_021160.1	Ca_kabuli_chr01	28910026	CC	AA	1940135170
SNP_P1_9192_28910058	NC_021160.1	Ca_kabuli_chr01	28910058	GG	TT	1940135171
SNP_P1_9193_28910069	NC_021160.1	Ca_kabuli_chr01	28910069	CC	AA	1940135172
SNP_P1_9194_28910152	NC_021160.1	Ca_kabuli_chr01	28910152	GG	TT	1940135173
SNP_P1_9195_28910235	NC_021160.1	Ca_kabuli_chr01	28910235	GG	CC	1940135174
SNP_P1_9196_28910243	NC_021160.1	Ca_kabuli_chr01	28910243	CC	TT	1940135175
SNP_P1_9198_28910409	NC_021160.1	Ca_kabuli_chr01	28910409	TT	GG	1940135176
SNP_P1_9201_28910512	NC_021160.1	Ca_kabuli_chr01	28910512	TT	CC	1940135177

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9203_28910700	NC_021160.1	Ca_kabuli_chr01	28910700	AA	GG	1940135179
SNP_P1_9204_28910757	NC_021160.1	Ca_kabuli_chr01	28910757	TT	GG	1940135180
SNP_P1_9205_28910779	NC_021160.1	Ca_kabuli_chr01	28910779	AA	TT	1940135181
SNP_P1_9206_28910836	NC_021160.1	Ca_kabuli_chr01	28910836	AA	GG	1940135182
SNP_P1_9207_28910980	NC_021160.1	Ca_kabuli_chr01	28910980	CC	AA	1940135183
SNP_P1_9208_28910998	NC_021160.1	Ca_kabuli_chr01	28910998	AA	TT	1940135184
SNP_P1_9209_28911004	NC_021160.1	Ca_kabuli_chr01	28911004	TT	CC	1940135185
SNP_P1_9210_28911062	NC_021160.1	Ca_kabuli_chr01	28911062	CC	TT	1940135186
SNP_P1_9211_28911072	NC_021160.1	Ca_kabuli_chr01	28911072	AA	CC	1940135187
SNP_P1_9212_28911098	NC_021160.1	Ca_kabuli_chr01	28911098	GG	CC	1940135188
SNP_P1_9213_28911365	NC_021160.1	Ca_kabuli_chr01	28911365	AA	GG	1940135189
SNP_P1_9214_28911419	NC_021160.1	Ca_kabuli_chr01	28911419	TT	AA	1940135191
SNP_P1_9215_28911438	NC_021160.1	Ca_kabuli_chr01	28911438	CC	AA	1940135192
SNP_P1_9216_28911448	NC_021160.1	Ca_kabuli_chr01	28911448	CC	TT	1940135193
SNP_P1_9217_28911505	NC_021160.1	Ca_kabuli_chr01	28911505	CC	TT	1940135194
SNP_P1_9218_28911520	NC_021160.1	Ca_kabuli_chr01	28911520	CC	TT	1940135195
SNP_P1_9219_28911562	NC_021160.1	Ca_kabuli_chr01	28911562	CC	TT	1940135196
SNP_P1_9221_28911711	NC_021160.1	Ca_kabuli_chr01	28911711	CC	TT	1940135197
SNP_P1_9222_28913149	NC_021160.1	Ca_kabuli_chr01	28913149	CC	TT	1940135198
SNP_P1_9223_28915328	NC_021160.1	Ca_kabuli_chr01	28915328	TT	CC	1940135199
SNP_P1_9224_28915440	NC_021160.1	Ca_kabuli_chr01	28915440	GG	AA	1940135200
SNP_P1_9225_28915453	NC_021160.1	Ca_kabuli_chr01	28915453	CC	TT	1940135201
SNP_P1_9226_28915463	NC_021160.1	Ca_kabuli_chr01	28915463	GG	TT	1940135202
SNP_P1_9227_28915464	NC_021160.1	Ca_kabuli_chr01	28915464	TT	AA	1940135203
SNP_P1_9228_28915623	NC_021160.1	Ca_kabuli_chr01	28915623	GG	AA	1940135204
SNP_P1_9229_28916425	NC_021160.1	Ca_kabuli_chr01	28916425	AA	CC	1940135205
SNP_P1_9230_28916514	NC_021160.1	Ca_kabuli_chr01	28916514	CC	AA	1940135206
SNP_P1_9231_28916526	NC_021160.1	Ca_kabuli_chr01	28916526	TT	GG	1940135207
SNP_P1_9232_28916548	NC_021160.1	Ca_kabuli_chr01	28916548	AA	CC	1940135208
SNP_P1_9233_28916651	NC_021160.1	Ca_kabuli_chr01	28916651	TT	CC	1940135209
SNP_P1_9234_28916679	NC_021160.1	Ca_kabuli_chr01	28916679	AA	CC	1940135210
SNP_P1_9235_28916692	NC_021160.1	Ca_kabuli_chr01	28916692	CC	TT	1940135212
SNP_P1_9236_28916753	NC_021160.1	Ca_kabuli_chr01	28916753	GG	AA	1940135213
SNP_P1_9237_28916786	NC_021160.1	Ca_kabuli_chr01	28916786	TT	CC	1940135214
SNP_P1_9238_28916813	NC_021160.1	Ca_kabuli_chr01	28916813	GG	AA	1940135215
SNP_P1_9239_28916839	NC_021160.1	Ca_kabuli_chr01	28916839	CC	GG	1940135216
SNP_P1_9240_28916864	NC_021160.1	Ca_kabuli_chr01	28916864	AA	CC	1940135217
SNP_P1_9241_28916867	NC_021160.1	Ca_kabuli_chr01	28916867	TT	CC	1940135218
SNP_P1_9242_28917064	NC_021160.1	Ca_kabuli_chr01	28917064	CC	TT	1940135219
SNP_P1_9243_28917083	NC_021160.1	Ca_kabuli_chr01	28917083	CC	AA	1940135220
SNP_P1_9244_28917280	NC_021160.1	Ca_kabuli_chr01	28917280	TT	CC	1940135221

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9246_28917364	NC_021160.1	Ca_kabuli_chr01	28917364	AA	GG	1940135223
SNP_P1_9247_28917393	NC_021160.1	Ca_kabuli_chr01	28917393	TT	CC	1940135224
SNP_P1_9248_28917394	NC_021160.1	Ca_kabuli_chr01	28917394	GG	AA	1940135225
SNP_P1_9249_28917766	NC_021160.1	Ca_kabuli_chr01	28917766	TT	CC	1940135226
SNP_P1_9250_28917820	NC_021160.1	Ca_kabuli_chr01	28917820	TT	GG	1940135227
SNP_P1_9251_28917886	NC_021160.1	Ca_kabuli_chr01	28917886	TT	CC	1940135228
SNP_P1_9252_28927896	NC_021160.1	Ca_kabuli_chr01	28927896	TT	AA	1940135229
SNP_P1_9253_28927984	NC_021160.1	Ca_kabuli_chr01	28927984	AA	TT	1940135230
SNP_P1_9254_28928016	NC_021160.1	Ca_kabuli_chr01	28928016	GG	AA	1940135231
SNP_P1_9255_28928964	NC_021160.1	Ca_kabuli_chr01	28928964	GG	AA	1940135232
SNP_P1_9256_28929247	NC_021160.1	Ca_kabuli_chr01	28929247	CC	TT	1940135233
SNP_P1_9258_28929562	NC_021160.1	Ca_kabuli_chr01	28929562	AA	CC	1940135234
SNP_P1_9259_28929642	NC_021160.1	Ca_kabuli_chr01	28929642	GG	AA	1940135235
SNP_P1_9260_28929684	NC_021160.1	Ca_kabuli_chr01	28929684	TT	AA	1940135236
SNP_P1_9261_28929764	NC_021160.1	Ca_kabuli_chr01	28929764	CC	TT	1940135237
SNP_P1_9262_28929809	NC_021160.1	Ca_kabuli_chr01	28929809	GG	AA	1940135238
SNP_P1_9263_28929823	NC_021160.1	Ca_kabuli_chr01	28929823	CC	GG	1940135239
SNP_P1_9264_28929995	NC_021160.1	Ca_kabuli_chr01	28929995	CC	TT	1940135240
SNP_P1_9265_28930070	NC_021160.1	Ca_kabuli_chr01	28930070	TT	AA	1940135241
SNP_P1_9266_28930079	NC_021160.1	Ca_kabuli_chr01	28930079	AA	GG	1940135242
SNP_P1_9267_28930093	NC_021160.1	Ca_kabuli_chr01	28930093	AA	GG	1940135243
SNP_P1_9268_28930140	NC_021160.1	Ca_kabuli_chr01	28930140	AA	GG	1940135244
SNP_P1_9269_28930225	NC_021160.1	Ca_kabuli_chr01	28930225	GG	TT	1940135245
SNP_P1_9270_28930252	NC_021160.1	Ca_kabuli_chr01	28930252	AA	GG	1940135246
SNP_P1_9271_28930310	NC_021160.1	Ca_kabuli_chr01	28930310	CC	TT	1940135247
SNP_P1_9272_28930318	NC_021160.1	Ca_kabuli_chr01	28930318	CC	GG	1940135248
SNP_P1_9273_28930718	NC_021160.1	Ca_kabuli_chr01	28930718	GG	AA	1940135249
SNP_P1_9275_28931214	NC_021160.1	Ca_kabuli_chr01	28931214	TT	GG	1940135251
SNP_P1_9276_28931215	NC_021160.1	Ca_kabuli_chr01	28931215	AA	CC	1940135252
SNP_P1_9278_28935849	NC_021160.1	Ca_kabuli_chr01	28935849	AA	GG	1940135253
SNP_P1_9279_28935858	NC_021160.1	Ca_kabuli_chr01	28935858	AA	GG	1940135254
SNP_P1_9280_28935914	NC_021160.1	Ca_kabuli_chr01	28935914	GG	AA	1940135255
SNP_P1_9281_28935939	NC_021160.1	Ca_kabuli_chr01	28935939	CC	TT	1940135256
SNP_P1_9282_28935940	NC_021160.1	Ca_kabuli_chr01	28935940	AA	TT	1940135257
SNP_P1_9283_28935993	NC_021160.1	Ca_kabuli_chr01	28935993	TT	AA	1940135258
SNP_P1_9284_28936044	NC_021160.1	Ca_kabuli_chr01	28936044	CC	AA	1940135259
SNP_P1_9285_28936045	NC_021160.1	Ca_kabuli_chr01	28936045	AA	TT	1940135260
SNP_P1_9286_28936061	NC_021160.1	Ca_kabuli_chr01	28936061	CC	TT	1940135261
SNP_P1_9288_28936166	NC_021160.1	Ca_kabuli_chr01	28936166	AA	GG	1940135262
SNP_P1_9289_28936174	NC_021160.1	Ca_kabuli_chr01	28936174	AA	GG	1940135263
SNP_P1_9291_28936283	NC_021160.1	Ca_kabuli_chr01	28936283	CC	TT	1940135264

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9294_28939209	NC_021160.1	Ca_kabuli_chr01	28939209	CC	AA	1940135267
SNP_P1_9295_28939299	NC_021160.1	Ca_kabuli_chr01	28939299	CC	TT	1940135268
SNP_P1_9296_28939389	NC_021160.1	Ca_kabuli_chr01	28939389	TT	AA	1940135269
SNP_P1_9298_28939493	NC_021160.1	Ca_kabuli_chr01	28939493	GG	AA	1940135270
SNP_P1_9299_28939505	NC_021160.1	Ca_kabuli_chr01	28939505	GG	CC	1940135271
SNP_P1_9300_28939509	NC_021160.1	Ca_kabuli_chr01	28939509	GG	AA	1940135272
SNP_P1_9301_28939530	NC_021160.1	Ca_kabuli_chr01	28939530	CC	AA	1940135273
SNP_P1_9302_28939552	NC_021160.1	Ca_kabuli_chr01	28939552	GG	AA	1940135274
SNP_P1_9303_28939588	NC_021160.1	Ca_kabuli_chr01	28939588	CC	AA	1940135275
SNP_P1_9304_28939628	NC_021160.1	Ca_kabuli_chr01	28939628	GG	CC	1940135276
SNP_P1_9305_28939679	NC_021160.1	Ca_kabuli_chr01	28939679	AA	TT	1940135277
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SNP_P1_9307_28939756	NC_021160.1	Ca_kabuli_chr01	28939756	AA	GG	1940135279
SNP_P1_9308_28939777	NC_021160.1	Ca_kabuli_chr01	28939777	CC	AA	1940135280
SNP_P1_9309_28939817	NC_021160.1	Ca_kabuli_chr01	28939817	AA	GG	1940135281
SNP_P1_9310_28939832	NC_021160.1	Ca_kabuli_chr01	28939832	CC	TT	1940135282
SNP_P1_9311_28939866	NC_021160.1	Ca_kabuli_chr01	28939866	CC	TT	1940135283
SNP_P1_9312_28939887	NC_021160.1	Ca_kabuli_chr01	28939887	CC	TT	1940135284
SNP_P1_9313_28939983	NC_021160.1	Ca_kabuli_chr01	28939983	AA	TT	1940135285
SNP_P1_9314_28940012	NC_021160.1	Ca_kabuli_chr01	28940012	AA	GG	1940135286
SNP_P1_9315_28940049	NC_021160.1	Ca_kabuli_chr01	28940049	TT	GG	1940135287
SNP_P1_9316_28940078	NC_021160.1	Ca_kabuli_chr01	28940078	GG	CC	1940135288
SNP_P1_9317_28940085	NC_021160.1	Ca_kabuli_chr01	28940085	TT	CC	1940135290
SNP_P1_9318_28940357	NC_021160.1	Ca_kabuli_chr01	28940357	GG	TT	1940135291
SNP_P1_9319_28940651	NC_021160.1	Ca_kabuli_chr01	28940651	AA	GG	1940135292
SNP_P1_9320_28940760	NC_021160.1	Ca_kabuli_chr01	28940760	AA	GG	1940135293
SNP_P1_9321_28940997	NC_021160.1	Ca_kabuli_chr01	28940997	GG	TT	1940135294
SNP_P1_9322_28941153	NC_021160.1	Ca_kabuli_chr01	28941153	GG	AA	1940135295
SNP_P1_9323_28941193	NC_021160.1	Ca_kabuli_chr01	28941193	CC	AA	1940135296
SNP_P1_9324_28941278	NC_021160.1	Ca_kabuli_chr01	28941278	TT	GG	1940135297
SNP_P1_9325_28941379	NC_021160.1	Ca_kabuli_chr01	28941379	CC	TT	1940135298
SNP_P1_9326_28941429	NC_021160.1	Ca_kabuli_chr01	28941429	GG	AA	1940135299
SNP_P1_9327_28941466	NC_021160.1	Ca_kabuli_chr01	28941466	CC	TT	1940135300
SNP_P1_9329_28941659	NC_021160.1	Ca_kabuli_chr01	28941659	CC	AA	1940135301
SNP_P1_9330_28941662	NC_021160.1	Ca_kabuli_chr01	28941662	CC	TT	1940135302
SNP_P1_9331_28941663	NC_021160.1	Ca_kabuli_chr01	28941663	AA	GG	1940135303
SNP_P1_9332_28941670	NC_021160.1	Ca_kabuli_chr01	28941670	TT	AA	1940135304
SNP_P1_9333_28941742	NC_021160.1	Ca_kabuli_chr01	28941742	CC	AA	1940135305
SNP_P1_9334_28941762	NC_021160.1	Ca_kabuli_chr01	28941762	TT	CC	1940135306
SNP_P1_9335_28941771	NC_021160.1	Ca_kabuli_chr01	28941771	CC	TT	1940135307

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9338_28942045	NC_021160.1	Ca_kabuli_chr01	28942045	GG	TT	1940135309
SNP_P1_9339_28942180	NC_021160.1	Ca_kabuli_chr01	28942180	AA	CC	1940135310
SNP_P1_9340_28942266	NC_021160.1	Ca_kabuli_chr01	28942266	AA	GG	1940135311
SNP_P1_9341_28943212	NC_021160.1	Ca_kabuli_chr01	28943212	AA	TT	1940135312
SNP_P1_9342_28943316	NC_021160.1	Ca_kabuli_chr01	28943316	AA	TT	1940135313
SNP_P1_9343_28943412	NC_021160.1	Ca_kabuli_chr01	28943412	GG	AA	1940135314
SNP_P1_9344_28943419	NC_021160.1	Ca_kabuli_chr01	28943419	GG	AA	1940135315
SNP_P1_9345_28943420	NC_021160.1	Ca_kabuli_chr01	28943420	GG	AA	1940135316
SNP_P1_9346_28943535	NC_021160.1	Ca_kabuli_chr01	28943535	AA	TT	1940135317
SNP_P1_9347_28943538	NC_021160.1	Ca_kabuli_chr01	28943538	AA	GG	1940135318
SNP_P1_9349_28943569	NC_021160.1	Ca_kabuli_chr01	28943569	TT	CC	1940135319
SNP_P1_9350_28943671	NC_021160.1	Ca_kabuli_chr01	28943671	CC	AA	1940135320
SNP_P1_9351_28943779	NC_021160.1	Ca_kabuli_chr01	28943779	AA	GG	1940135321
SNP_P1_9352_28943789	NC_021160.1	Ca_kabuli_chr01	28943789	AA	TT	1940135322
SNP_P1_9353_28943893	NC_021160.1	Ca_kabuli_chr01	28943893	CC	TT	1940135323
SNP_P1_9354_28944007	NC_021160.1	Ca_kabuli_chr01	28944007	GG	AA	1940135325
SNP_P1_9356_28944080	NC_021160.1	Ca_kabuli_chr01	28944080	GG	TT	1940135326
SNP_P1_9357_28944126	NC_021160.1	Ca_kabuli_chr01	28944126	AA	TT	1940135327
SNP_P1_9358_28944156	NC_021160.1	Ca_kabuli_chr01	28944156	GG	AA	1940135328
SNP_P1_9359_28944300	NC_021160.1	Ca_kabuli_chr01	28944300	TT	CC	1940135329
SNP_P1_9360_28944329	NC_021160.1	Ca_kabuli_chr01	28944329	GG	TT	1940135330
SNP_P1_9361_28944369	NC_021160.1	Ca_kabuli_chr01	28944369	AA	TT	1940135331
SNP_P1_9362_28944413	NC_021160.1	Ca_kabuli_chr01	28944413	AA	TT	1940135332
SNP_P1_9363_28944414	NC_021160.1	Ca_kabuli_chr01	28944414	CC	AA	1940135333
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SNP_P1_9367_28944672	NC_021160.1	Ca_kabuli_chr01	28944672	GG	TT	1940135336
SNP_P1_9368_28944675	NC_021160.1	Ca_kabuli_chr01	28944675	AA	GG	1940135337
SNP_P1_9369_28944714	NC_021160.1	Ca_kabuli_chr01	28944714	GG	TT	1940135338
SNP_P1_9371_28945152	NC_021160.1	Ca_kabuli_chr01	28945152	TT	AA	1940135339
SNP_P1_9373_28945184	NC_021160.1	Ca_kabuli_chr01	28945184	TT	CC	1940135340
SNP_P1_9374_28945212	NC_021160.1	Ca_kabuli_chr01	28945212	CC	AA	1940135341
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SNP_P1_9376_28988227	NC_021160.1	Ca_kabuli_chr01	28988227	CC	TT	1940135343
SNP_P1_9377_29029014	NC_021160.1	Ca_kabuli_chr01	29029014	TT	CC	1940135344
SNP_P1_9378_29029030	NC_021160.1	Ca_kabuli_chr01	29029030	AA	TT	1940135345
SNP_P1_9379_29029054	NC_021160.1	Ca_kabuli_chr01	29029054	TT	CC	1940135346
SNP_P1_9380_29029074	NC_021160.1	Ca_kabuli_chr01	29029074	CC	TT	1940135347
SNP_P1_9381_29043704	NC_021160.1	Ca_kabuli_chr01	29043704	AA	CC	1940135348
SNP_P1_9382_29050324	NC_021160.1	Ca_kabuli_chr01	29050324	TT	AA	1940135349
SNP_P1_9383_29050719	NC_021160.1	Ca_kabuli_chr01	29050719	AA	GG	1940135350

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9386_29072664	NC_021160.1	Ca_kabuli_chr01	29072664	TT	CC	1940135353
SNP_P1_9387_29072676	NC_021160.1	Ca_kabuli_chr01	29072676	AA	GG	1940135354
SNP_P1_9388_29073005	NC_021160.1	Ca_kabuli_chr01	29073005	TT	CC	1940135355
SNP_P1_9389_29075269	NC_021160.1	Ca_kabuli_chr01	29075269	CC	AA	1940135356
SNP_P1_9391_29101646	NC_021160.1	Ca_kabuli_chr01	29101646	GG	CC	1940135357
SNP_P1_9393_29103049	NC_021160.1	Ca_kabuli_chr01	29103049	CC	GG	1940135358
SNP_P1_9394_29106568	NC_021160.1	Ca_kabuli_chr01	29106568	GG	AA	1940135359
SNP_P1_9395_29106572	NC_021160.1	Ca_kabuli_chr01	29106572	TT	GG	1940135360
SNP_P1_9396_29106592	NC_021160.1	Ca_kabuli_chr01	29106592	TT	GG	1940135361
SNP_P1_9398_29143093	NC_021160.1	Ca_kabuli_chr01	29143093	AA	CC	1940135362
SNP_P1_9399_29144384	NC_021160.1	Ca_kabuli_chr01	29144384	GG	AA	1940135363
SNP_P1_9400_29156325	NC_021160.1	Ca_kabuli_chr01	29156325	AA	CC	1940135364
SNP_P1_9401_29163335	NC_021160.1	Ca_kabuli_chr01	29163335	CC	TT	1940135365
SNP_P1_9402_29163338	NC_021160.1	Ca_kabuli_chr01	29163338	GG	AA	1940135366
SNP_P1_9403_29163398	NC_021160.1	Ca_kabuli_chr01	29163398	CC	TT	1940135368
SNP_P1_9404_29163405	NC_021160.1	Ca_kabuli_chr01	29163405	GG	CC	1940135369
SNP_P1_9405_29163482	NC_021160.1	Ca_kabuli_chr01	29163482	AA	GG	1940135370
SNP_P1_9406_29163739	NC_021160.1	Ca_kabuli_chr01	29163739	AA	CC	1940135371
SNP_P1_9407_29172831	NC_021160.1	Ca_kabuli_chr01	29172831	CC	AA	1940135372
SNP_P1_9408_29176420	NC_021160.1	Ca_kabuli_chr01	29176420	CC	TT	1940135373
SNP_P1_9409_29176610	NC_021160.1	Ca_kabuli_chr01	29176610	CC	TT	1940135374
SNP_P1_9410_29176618	NC_021160.1	Ca_kabuli_chr01	29176618	TT	CC	1940135375
SNP_P1_9411_29176817	NC_021160.1	Ca_kabuli_chr01	29176817	CC	AA	1940135376
SNP_P1_9412_29176852	NC_021160.1	Ca_kabuli_chr01	29176852	AA	GG	1940135377
SNP_P1_9413_29190516	NC_021160.1	Ca_kabuli_chr01	29190516	TT	CC	1940135378
SNP_P1_9414_29193209	NC_021160.1	Ca_kabuli_chr01	29193209	CC	AA	1940135379
SNP_P1_9415_29207639	NC_021160.1	Ca_kabuli_chr01	29207639	TT	GG	1940135380
SNP_P1_9416_29212812	NC_021160.1	Ca_kabuli_chr01	29212812	CC	TT	1940135381
SNP_P1_9418_29224124	NC_021160.1	Ca_kabuli_chr01	29224124	TT	AA	1940135382
SNP_P1_9419_29240480	NC_021160.1	Ca_kabuli_chr01	29240480	TT	CC	1940135383
SNP_P1_9420_29246111	NC_021160.1	Ca_kabuli_chr01	29246111	AA	GG	1940135384
SNP_P1_9421_29246112	NC_021160.1	Ca_kabuli_chr01	29246112	TT	AA	1940135385
SNP_P1_9423_29252637	NC_021160.1	Ca_kabuli_chr01	29252637	CC	TT	1940135386
SNP_P1_9424_29260677	NC_021160.1	Ca_kabuli_chr01	29260677	TT	AA	1940135387
SNP_P1_9425_29266059	NC_021160.1	Ca_kabuli_chr01	29266059	GG	AA	1940135388
SNP_P1_9426_29266383	NC_021160.1	Ca_kabuli_chr01	29266383	GG	CC	1940135389
SNP_P1_9427_29274953	NC_021160.1	Ca_kabuli_chr01	29274953	AA	TT	1940135390
SNP_P1_9428_29283593	NC_021160.1	Ca_kabuli_chr01	29283593	CC	GG	1940135391
SNP_P1_9429_29283594	NC_021160.1	Ca_kabuli_chr01	29283594	TT	AA	1940135392
SNP_P1_9430_29296923	NC_021160.1	Ca_kabuli_chr01	29296923	GG	AA	1940135393

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9432_29306002	NC_021160.1	Ca_kabuli_chr01	29306002	TT	CC	1940135395
SNP_P1_9433_29306141	NC_021160.1	Ca_kabuli_chr01	29306141	AA	GG	1940135396
SNP_P1_9434_29306158	NC_021160.1	Ca_kabuli_chr01	29306158	CC	TT	1940135397
SNP_P1_9435_29306164	NC_021160.1	Ca_kabuli_chr01	29306164	AA	GG	1940135398
SNP_P1_9436_29306172	NC_021160.1	Ca_kabuli_chr01	29306172	TT	CC	1940135399
SNP_P1_9437_29306191	NC_021160.1	Ca_kabuli_chr01	29306191	CC	GG	1940135400
SNP_P1_9438_29307986	NC_021160.1	Ca_kabuli_chr01	29307986	TT	AA	1940135401
SNP_P1_9439_29308110	NC_021160.1	Ca_kabuli_chr01	29308110	GG	AA	1940135402
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SNP_P1_9441_29310726	NC_021160.1	Ca_kabuli_chr01	29310726	CC	AA	1940135404
SNP_P1_9442_29314980	NC_021160.1	Ca_kabuli_chr01	29314980	CC	GG	1940135405
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SNP_P1_9444_29335320	NC_021160.1	Ca_kabuli_chr01	29335320	AA	CC	1940135408
SNP_P1_9445_29335324	NC_021160.1	Ca_kabuli_chr01	29335324	GG	AA	1940135409
SNP_P1_9446_29335376	NC_021160.1	Ca_kabuli_chr01	29335376	TT	GG	1940135410
SNP_P1_9447_29337043	NC_021160.1	Ca_kabuli_chr01	29337043	GG	AA	1940135411
SNP_P1_9448_29343994	NC_021160.1	Ca_kabuli_chr01	29343994	GG	AA	1940135412
SNP_P1_9449_29353309	NC_021160.1	Ca_kabuli_chr01	29353309	CC	TT	1940135413
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SNP_P1_9453_29387237	NC_021160.1	Ca_kabuli_chr01	29387237	TT	CC	1940135417
SNP_P1_9454_29387264	NC_021160.1	Ca_kabuli_chr01	29387264	AA	CC	1940135418
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SNP_P1_9457_29392769	NC_021160.1	Ca_kabuli_chr01	29392769	CC	TT	1940135421
SNP_P1_9458_29395292	NC_021160.1	Ca_kabuli_chr01	29395292	AA	TT	1940135422
SNP_P1_9461_29420976	NC_021160.1	Ca_kabuli_chr01	29420976	GG	TT	1940135423
SNP_P1_9462_29436114	NC_021160.1	Ca_kabuli_chr01	29436114	CC	GG	1940135424
SNP_P1_9464_29473676	NC_021160.1	Ca_kabuli_chr01	29473676	AA	CC	1940135425
SNP_P1_9465_29483963	NC_021160.1	Ca_kabuli_chr01	29483963	AA	CC	1940135426
SNP_P1_9466_29505805	NC_021160.1	Ca_kabuli_chr01	29505805	TT	AA	1940135427
SNP_P1_9467_29505832	NC_021160.1	Ca_kabuli_chr01	29505832	CC	TT	1940135428
SNP_P1_9468_29505833	NC_021160.1	Ca_kabuli_chr01	29505833	AA	GG	1940135429
SNP_P1_9469_29515783	NC_021160.1	Ca_kabuli_chr01	29515783	TT	GG	1940135430
SNP_P1_9470_29523803	NC_021160.1	Ca_kabuli_chr01	29523803	GG	TT	1940135431
SNP_P1_9472_29524402	NC_021160.1	Ca_kabuli_chr01	29524402	AA	GG	1940135432
SNP_P1_9473_29525971	NC_021160.1	Ca_kabuli_chr01	29525971	GG	AA	1940135433
SNP_P1_9474_29526338	NC_021160.1	Ca_kabuli_chr01	29526338	AA	TT	1940135434
SNP_P1_9475_29526889	NC_021160.1	Ca_kabuli_chr01	29526889	CC	AA	1940135435
SNP_P1_9476_29526966	NC_021160.1	Ca_kabuli_chr01	29526966	TT	CC	1940135436

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9479_29539147	NC_021160.1	Ca_kabuli_chr01	29539147	AA	GG	1940135439
SNP_P1_9480_29539159	NC_021160.1	Ca_kabuli_chr01	29539159	GG	AA	1940135440
SNP_P1_9481_29539228	NC_021160.1	Ca_kabuli_chr01	29539228	TT	CC	1940135441
SNP_P1_9482_29539269	NC_021160.1	Ca_kabuli_chr01	29539269	AA	CC	1940135442
SNP_P1_9483_29552200	NC_021160.1	Ca_kabuli_chr01	29552200	AA	GG	1940135444
SNP_P1_9484_29555703	NC_021160.1	Ca_kabuli_chr01	29555703	CC	TT	1940135445
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SNP_P1_9486_29572141	NC_021160.1	Ca_kabuli_chr01	29572141	AA	GG	1940135447
SNP_P1_9487_29572184	NC_021160.1	Ca_kabuli_chr01	29572184	GG	AA	1940135448
SNP_P1_9488_29572206	NC_021160.1	Ca_kabuli_chr01	29572206	AA	GG	1940135449
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SNP_P1_9491_29572270	NC_021160.1	Ca_kabuli_chr01	29572270	CC	TT	1940135452
SNP_P1_9492_29572311	NC_021160.1	Ca_kabuli_chr01	29572311	TT	CC	1940135453
SNP_P1_9493_29572572	NC_021160.1	Ca_kabuli_chr01	29572572	AA	GG	1940135454
SNP_P1_9494_29572579	NC_021160.1	Ca_kabuli_chr01	29572579	TT	CC	1940135455
SNP_P1_9495_29574632	NC_021160.1	Ca_kabuli_chr01	29574632	AA	GG	1940135456
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SNP_P1_9497_29587375	NC_021160.1	Ca_kabuli_chr01	29587375	GG	AA	1940135458
SNP_P1_9498_29587399	NC_021160.1	Ca_kabuli_chr01	29587399	GG	AA	1940135459
SNP_P1_9499_29601480	NC_021160.1	Ca_kabuli_chr01	29601480	CC	AA	1940135460
SNP_P1_9500_29601481	NC_021160.1	Ca_kabuli_chr01	29601481	CC	AA	1940135461
SNP_P1_9501_29604771	NC_021160.1	Ca_kabuli_chr01	29604771	CC	GG	1940135462
SNP_P1_9504_29618095	NC_021160.1	Ca_kabuli_chr01	29618095	CC	TT	1940135463
SNP_P1_9505_29618108	NC_021160.1	Ca_kabuli_chr01	29618108	AA	GG	1940135464
SNP_P1_9506_29619593	NC_021160.1	Ca_kabuli_chr01	29619593	CC	AA	1940135465
SNP_P1_9507_29619830	NC_021160.1	Ca_kabuli_chr01	29619830	AA	CC	1940135466
SNP_P1_9508_29623883	NC_021160.1	Ca_kabuli_chr01	29623883	TT	CC	1940135467
SNP_P1_9509_29632122	NC_021160.1	Ca_kabuli_chr01	29632122	AA	GG	1940135468
SNP_P1_9510_29632665	NC_021160.1	Ca_kabuli_chr01	29632665	TT	GG	1940135469
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SNP_P1_9513_29634980	NC_021160.1	Ca_kabuli_chr01	29634980	CC	AA	1940135472
SNP_P1_9514_29634982	NC_021160.1	Ca_kabuli_chr01	29634982	TT	AA	1940135473
SNP_P1_9515_29636688	NC_021160.1	Ca_kabuli_chr01	29636688	GG	CC	1940135474
SNP_P1_9517_29636959	NC_021160.1	Ca_kabuli_chr01	29636959	AA	GG	1940135475
SNP_P1_9519_29637110	NC_021160.1	Ca_kabuli_chr01	29637110	CC	TT	1940135476
SNP_P1_9520_29637157	NC_021160.1	Ca_kabuli_chr01	29637157	AA	GG	1940135477
SNP_P1_9521_29637239	NC_021160.1	Ca_kabuli_chr01	29637239	CC	TT	1940135478
SNP_P1_9522_29637342	NC_021160.1	Ca_kabuli_chr01	29637342	AA	GG	1940135480

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9524_29643488	NC_021160.1	Ca_kabuli_chr01	29643488	TT	CC	1940135482
SNP_P1_9525_29649889	NC_021160.1	Ca_kabuli_chr01	29649889	AA	GG	1940135483
SNP_P1_9526_29650240	NC_021160.1	Ca_kabuli_chr01	29650240	AA	GG	1940135484
SNP_P1_9527_29651010	NC_021160.1	Ca_kabuli_chr01	29651010	AA	GG	1940135485
SNP_P1_9528_29651019	NC_021160.1	Ca_kabuli_chr01	29651019	TT	CC	1940135486
SNP_P1_9529_29651022	NC_021160.1	Ca_kabuli_chr01	29651022	CC	TT	1940135487
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SNP_P1_9531_29651476	NC_021160.1	Ca_kabuli_chr01	29651476	TT	AA	1940135489
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SNP_P1_9533_29662036	NC_021160.1	Ca_kabuli_chr01	29662036	GG	TT	1940135491
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SNP_P1_9537_29667539	NC_021160.1	Ca_kabuli_chr01	29667539	CC	TT	1940135494
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SNP_P1_9540_29681458	NC_021160.1	Ca_kabuli_chr01	29681458	AA	GG	1940135497
SNP_P1_9541_29681498	NC_021160.1	Ca_kabuli_chr01	29681498	TT	GG	1940135498
SNP_P1_9542_29681676	NC_021160.1	Ca_kabuli_chr01	29681676	AA	GG	1940135499
SNP_P1_9543_29681704	NC_021160.1	Ca_kabuli_chr01	29681704	TT	CC	1940135500
SNP_P1_9544_29681746	NC_021160.1	Ca_kabuli_chr01	29681746	GG	TT	1940135501
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SNP_P1_9546_29682127	NC_021160.1	Ca_kabuli_chr01	29682127	AA	GG	1940135503
SNP_P1_9547_29707055	NC_021160.1	Ca_kabuli_chr01	29707055	TT	CC	1940135505
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SNP_P1_9549_29708494	NC_021160.1	Ca_kabuli_chr01	29708494	CC	TT	1940135507
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SNP_P1_9554_29712296	NC_021160.1	Ca_kabuli_chr01	29712296	GG	AA	1940135511
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SNP_P1_9562_29766637	NC_021160.1	Ca_kabuli_chr01	29766637	CC	TT	1940135518
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SNP_P1_9564_29767374	NC_021160.1	Ca_kabuli_chr01	29767374	TT	CC	1940135520
SNP_P1_9565_29767584	NC_021160.1	Ca_kabuli_chr01	29767584	GG	AA	1940135521
SNP_P1_9566_29768150	NC_021160.1	Ca_kabuli_chr01	29768150	AA	TT	1940135522
SNP_P1_9567_29770183	NC_021160.1	Ca_kabuli_chr01	29770183	TT	AA	1940135523
SNP_P1_9568_29773392	NC_021160.1	Ca_kabuli_chr01	29773392	TT	AA	1940135524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9571_29781695	NC_021160.1	Ca_kabuli_chr01	29781695	TT	AA	1940135528
SNP_P1_9572_29781707	NC_021160.1	Ca_kabuli_chr01	29781707	TT	AA	1940135529
SNP_P1_9573_29781724	NC_021160.1	Ca_kabuli_chr01	29781724	CC	TT	1940135530
SNP_P1_9574_29781733	NC_021160.1	Ca_kabuli_chr01	29781733	GG	AA	1940135531
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SNP_P1_9576_29781810	NC_021160.1	Ca_kabuli_chr01	29781810	TT	CC	1940135533
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SNP_P1_9578_29781970	NC_021160.1	Ca_kabuli_chr01	29781970	TT	CC	1940135535
SNP_P1_9579_29782008	NC_021160.1	Ca_kabuli_chr01	29782008	GG	AA	1940135536
SNP_P1_9580_29782054	NC_021160.1	Ca_kabuli_chr01	29782054	TT	CC	1940135537
SNP_P1_9581_29782086	NC_021160.1	Ca_kabuli_chr01	29782086	AA	TT	1940135538
SNP_P1_9582_29782248	NC_021160.1	Ca_kabuli_chr01	29782248	GG	AA	1940135539
SNP_P1_9584_29791470	NC_021160.1	Ca_kabuli_chr01	29791470	AA	TT	1940135540
SNP_P1_9585_29791606	NC_021160.1	Ca_kabuli_chr01	29791606	TT	AA	1940135541
SNP_P1_9586_29792284	NC_021160.1	Ca_kabuli_chr01	29792284	GG	AA	1940135542
SNP_P1_9587_29792599	NC_021160.1	Ca_kabuli_chr01	29792599	TT	CC	1940135543
SNP_P1_9588_29792735	NC_021160.1	Ca_kabuli_chr01	29792735	GG	AA	1940135545
SNP_P1_9589_29794569	NC_021160.1	Ca_kabuli_chr01	29794569	TT	CC	1940135546
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SNP_P1_9600_29817460	NC_021160.1	Ca_kabuli_chr01	29817460	AA	GG	1940135556
SNP_P1_9601_29817514	NC_021160.1	Ca_kabuli_chr01	29817514	CC	AA	1940135557
SNP_P1_9602_29817516	NC_021160.1	Ca_kabuli_chr01	29817516	TT	CC	1940135558
SNP_P1_9603_29817658	NC_021160.1	Ca_kabuli_chr01	29817658	CC	TT	1940135559
SNP_P1_9604_29817901	NC_021160.1	Ca_kabuli_chr01	29817901	TT	CC	1940135560
SNP_P1_9605_29817948	NC_021160.1	Ca_kabuli_chr01	29817948	GG	AA	1940135561
SNP_P1_9606_29817982	NC_021160.1	Ca_kabuli_chr01	29817982	CC	TT	1940135562
SNP_P1_9607_29818025	NC_021160.1	Ca_kabuli_chr01	29818025	TT	CC	1940135563
SNP_P1_9608_29818196	NC_021160.1	Ca_kabuli_chr01	29818196	CC	AA	1940135564
SNP_P1_9609_29818233	NC_021160.1	Ca_kabuli_chr01	29818233	AA	GG	1940135565
SNP_P1_9610_29818311	NC_021160.1	Ca_kabuli_chr01	29818311	TT	CC	1940135566
SNP_P1_9611_29818367	NC_021160.1	Ca_kabuli_chr01	29818367	AA	GG	1940135567
SNP_P1_9612_29818390	NC_021160.1	Ca_kabuli_chr01	29818390	AA	GG	1940135568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9615_29818601	NC_021160.1	Ca_kabuli_chr01	29818601	AA	GG	1940135571
SNP_P1_9616_29818605	NC_021160.1	Ca_kabuli_chr01	29818605	AA	CC	1940135572
SNP_P1_9617_29818615	NC_021160.1	Ca_kabuli_chr01	29818615	TT	CC	1940135573
SNP_P1_9619_29821458	NC_021160.1	Ca_kabuli_chr01	29821458	TT	CC	1940135574
SNP_P1_9620_29821705	NC_021160.1	Ca_kabuli_chr01	29821705	AA	CC	1940135575
SNP_P1_9621_29823278	NC_021160.1	Ca_kabuli_chr01	29823278	GG	TT	1940135577
SNP_P1_9622_29823411	NC_021160.1	Ca_kabuli_chr01	29823411	GG	AA	1940135578
SNP_P1_9623_29823495	NC_021160.1	Ca_kabuli_chr01	29823495	AA	TT	1940135579
SNP_P1_9624_29823496	NC_021160.1	Ca_kabuli_chr01	29823496	TT	CC	1940135580
SNP_P1_9625_29823570	NC_021160.1	Ca_kabuli_chr01	29823570	CC	TT	1940135581
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SNP_P1_9636_29824933	NC_021160.1	Ca_kabuli_chr01	29824933	GG	AA	1940135592
SNP_P1_9637_29824987	NC_021160.1	Ca_kabuli_chr01	29824987	GG	AA	1940135593
SNP_P1_9638_29825002	NC_021160.1	Ca_kabuli_chr01	29825002	CC	TT	1940135594
SNP_P1_9639_29825092	NC_021160.1	Ca_kabuli_chr01	29825092	GG	AA	1940135595
SNP_P1_9640_29825125	NC_021160.1	Ca_kabuli_chr01	29825125	GG	AA	1940135596
SNP_P1_9641_29825128	NC_021160.1	Ca_kabuli_chr01	29825128	TT	GG	1940135597
SNP_P1_9643_29825588	NC_021160.1	Ca_kabuli_chr01	29825588	AA	TT	1940135598
SNP_P1_9644_29830227	NC_021160.1	Ca_kabuli_chr01	29830227	TT	GG	1940135599
SNP_P1_9645_29830497	NC_021160.1	Ca_kabuli_chr01	29830497	TT	CC	1940135600
SNP_P1_9646_29841456	NC_021160.1	Ca_kabuli_chr01	29841456	TT	CC	1940135601
SNP_P1_9647_29841629	NC_021160.1	Ca_kabuli_chr01	29841629	AA	CC	1940135602
SNP_P1_9648_29841835	NC_021160.1	Ca_kabuli_chr01	29841835	CC	TT	1940135603
SNP_P1_9649_29841895	NC_021160.1	Ca_kabuli_chr01	29841895	AA	GG	1940135604
SNP_P1_9650_29841949	NC_021160.1	Ca_kabuli_chr01	29841949	CC	AA	1940135605
SNP_P1_9651_29842165	NC_021160.1	Ca_kabuli_chr01	29842165	TT	CC	1940135606
SNP_P1_9652_29842268	NC_021160.1	Ca_kabuli_chr01	29842268	AA	GG	1940135607
SNP_P1_9653_29842342	NC_021160.1	Ca_kabuli_chr01	29842342	TT	AA	1940135608
SNP_P1_9654_29842394	NC_021160.1	Ca_kabuli_chr01	29842394	AA	GG	1940135610
SNP_P1_9655_29842411	NC_021160.1	Ca_kabuli_chr01	29842411	TT	GG	1940135611
SNP_P1_9657_29842580	NC_021160.1	Ca_kabuli_chr01	29842580	AA	CC	1940135612

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9660_29842658	NC_021160.1	Ca_kabuli_chr01	29842658	TT	AA	1940135615
SNP_P1_9661_29842683	NC_021160.1	Ca_kabuli_chr01	29842683	AA	CC	1940135616
SNP_P1_9662_29842732	NC_021160.1	Ca_kabuli_chr01	29842732	TT	CC	1940135617
SNP_P1_9663_29842772	NC_021160.1	Ca_kabuli_chr01	29842772	AA	GG	1940135618
SNP_P1_9664_29843277	NC_021160.1	Ca_kabuli_chr01	29843277	CC	TT	1940135619
SNP_P1_9665_29843494	NC_021160.1	Ca_kabuli_chr01	29843494	CC	AA	1940135620
SNP_P1_9666_29843549	NC_021160.1	Ca_kabuli_chr01	29843549	CC	TT	1940135621
SNP_P1_9667_29843748	NC_021160.1	Ca_kabuli_chr01	29843748	AA	TT	1940135622
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SNP_P1_9672_29844512	NC_021160.1	Ca_kabuli_chr01	29844512	TT	GG	1940135625
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SNP_P1_9674_29844633	NC_021160.1	Ca_kabuli_chr01	29844633	CC	TT	1940135627
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SNP_P1_9681_29845918	NC_021160.1	Ca_kabuli_chr01	29845918	TT	CC	1940135633
SNP_P1_9682_29845923	NC_021160.1	Ca_kabuli_chr01	29845923	AA	TT	1940135634
SNP_P1_9683_29846237	NC_021160.1	Ca_kabuli_chr01	29846237	TT	CC	1940135635
SNP_P1_9684_29846270	NC_021160.1	Ca_kabuli_chr01	29846270	GG	AA	1940135636
SNP_P1_9685_29846295	NC_021160.1	Ca_kabuli_chr01	29846295	TT	CC	1940135637
SNP_P1_9686_29846392	NC_021160.1	Ca_kabuli_chr01	29846392	TT	GG	1940135638
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SNP_P1_9690_29846574	NC_021160.1	Ca_kabuli_chr01	29846574	TT	AA	1940135642
SNP_P1_9693_29847045	NC_021160.1	Ca_kabuli_chr01	29847045	AA	TT	1940135643
SNP_P1_9694_29847336	NC_021160.1	Ca_kabuli_chr01	29847336	AA	GG	1940135644
SNP_P1_9695_29847500	NC_021160.1	Ca_kabuli_chr01	29847500	TT	CC	1940135645
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SNP_P1_9697_29847570	NC_021160.1	Ca_kabuli_chr01	29847570	TT	CC	1940135647
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SNP_P1_9699_29847781	NC_021160.1	Ca_kabuli_chr01	29847781	CC	GG	1940135649
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SNP_P1_9702_29847918	NC_021160.1	Ca_kabuli_chr01	29847918	GG	TT	1940135652
SNP_P1_9704_29848169	NC_021160.1	Ca_kabuli_chr01	29848169	CC	TT	1940135653
SNP_P1_9705_29848317	NC_021160.1	Ca_kabuli_chr01	29848317	AA	TT	1940135655
SNP_P1_9706_29848320	NC_021160.1	Ca_kabuli_chr01	29848320	TT	CC	1940135656

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9710_29848826	NC_021160.1	Ca_kabuli_chr01	29848826	TT	CC	1940135660
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SNP_P1_9712_29848868	NC_021160.1	Ca_kabuli_chr01	29848868	GG	AA	1940135662
SNP_P1_9713_29848871	NC_021160.1	Ca_kabuli_chr01	29848871	GG	AA	1940135663
SNP_P1_9714_29848880	NC_021160.1	Ca_kabuli_chr01	29848880	GG	AA	1940135664
SNP_P1_9715_29849049	NC_021160.1	Ca_kabuli_chr01	29849049	GG	AA	1940135665
SNP_P1_9716_29849116	NC_021160.1	Ca_kabuli_chr01	29849116	CC	TT	1940135666
SNP_P1_9717_29849121	NC_021160.1	Ca_kabuli_chr01	29849121	TT	CC	1940135667
SNP_P1_9718_29849231	NC_021160.1	Ca_kabuli_chr01	29849231	CC	TT	1940135668
SNP_P1_9719_29849232	NC_021160.1	Ca_kabuli_chr01	29849232	CC	AA	1940135669
SNP_P1_9720_29849233	NC_021160.1	Ca_kabuli_chr01	29849233	AA	TT	1940135670
SNP_P1_9721_29849234	NC_021160.1	Ca_kabuli_chr01	29849234	GG	AA	1940135671
SNP_P1_9722_29849255	NC_021160.1	Ca_kabuli_chr01	29849255	GG	AA	1940135672
SNP_P1_9723_29849257	NC_021160.1	Ca_kabuli_chr01	29849257	GG	CC	1940135673
SNP_P1_9724_29849342	NC_021160.1	Ca_kabuli_chr01	29849342	CC	TT	1940135674
SNP_P1_9725_29849362	NC_021160.1	Ca_kabuli_chr01	29849362	CC	TT	1940135675
SNP_P1_9726_29849441	NC_021160.1	Ca_kabuli_chr01	29849441	CC	AA	1940135676
SNP_P1_9727_29849553	NC_021160.1	Ca_kabuli_chr01	29849553	GG	AA	1940135677
SNP_P1_9728_29849617	NC_021160.1	Ca_kabuli_chr01	29849617	AA	GG	1940135679
SNP_P1_9729_29849659	NC_021160.1	Ca_kabuli_chr01	29849659	GG	AA	1940135680
SNP_P1_9730_29850036	NC_021160.1	Ca_kabuli_chr01	29850036	AA	CC	1940135681
SNP_P1_9731_29852030	NC_021160.1	Ca_kabuli_chr01	29852030	TT	CC	1940135682
SNP_P1_9732_29852340	NC_021160.1	Ca_kabuli_chr01	29852340	TT	CC	1940135683
SNP_P1_9733_29852469	NC_021160.1	Ca_kabuli_chr01	29852469	TT	GG	1940135684
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SNP_P1_9735_29852482	NC_021160.1	Ca_kabuli_chr01	29852482	AA	TT	1940135686
SNP_P1_9736_29852517	NC_021160.1	Ca_kabuli_chr01	29852517	TT	CC	1940135687
SNP_P1_9737_29852946	NC_021160.1	Ca_kabuli_chr01	29852946	AA	CC	1940135688
SNP_P1_9738_29852947	NC_021160.1	Ca_kabuli_chr01	29852947	TT	AA	1940135689
SNP_P1_9739_29853003	NC_021160.1	Ca_kabuli_chr01	29853003	TT	AA	1940135691
SNP_P1_9741_29853554	NC_021160.1	Ca_kabuli_chr01	29853554	AA	CC	1940135692
SNP_P1_9743_29853836	NC_021160.1	Ca_kabuli_chr01	29853836	CC	AA	1940135693
SNP_P1_9744_29853930	NC_021160.1	Ca_kabuli_chr01	29853930	AA	CC	1940135694
SNP_P1_9745_29854080	NC_021160.1	Ca_kabuli_chr01	29854080	CC	AA	1940135695
SNP_P1_9746_29854109	NC_021160.1	Ca_kabuli_chr01	29854109	AA	GG	1940135696
SNP_P1_9747_29854145	NC_021160.1	Ca_kabuli_chr01	29854145	CC	AA	1940135697
SNP_P1_9748_29854146	NC_021160.1	Ca_kabuli_chr01	29854146	AA	CC	1940135698
SNP_P1_9749_29854233	NC_021160.1	Ca_kabuli_chr01	29854233	AA	GG	1940135699
SNP_P1_9750_29854356	NC_021160.1	Ca_kabuli_chr01	29854356	GG	AA	1940135700

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9753_29854489	NC_021160.1	Ca_kabuli_chr01	29854489	AA	GG	1940135703
SNP_P1_9754_29854493	NC_021160.1	Ca_kabuli_chr01	29854493	AA	GG	1940135704
SNP_P1_9755_29854515	NC_021160.1	Ca_kabuli_chr01	29854515	CC	TT	1940135706
SNP_P1_9756_29854518	NC_021160.1	Ca_kabuli_chr01	29854518	AA	TT	1940135707
SNP_P1_9757_29854595	NC_021160.1	Ca_kabuli_chr01	29854595	CC	TT	1940135708
SNP_P1_9758_29854835	NC_021160.1	Ca_kabuli_chr01	29854835	GG	TT	1940135709
SNP_P1_9759_29854972	NC_021160.1	Ca_kabuli_chr01	29854972	AA	CC	1940135710
SNP_P1_9760_29854973	NC_021160.1	Ca_kabuli_chr01	29854973	TT	AA	1940135711
SNP_P1_9761_29855017	NC_021160.1	Ca_kabuli_chr01	29855017	GG	AA	1940135712
SNP_P1_9762_29855106	NC_021160.1	Ca_kabuli_chr01	29855106	CC	GG	1940135713
SNP_P1_9763_29855124	NC_021160.1	Ca_kabuli_chr01	29855124	TT	CC	1940135714
SNP_P1_9764_29855139	NC_021160.1	Ca_kabuli_chr01	29855139	CC	TT	1940135715
SNP_P1_9765_29855200	NC_021160.1	Ca_kabuli_chr01	29855200	TT	GG	1940135716
SNP_P1_9766_29855353	NC_021160.1	Ca_kabuli_chr01	29855353	TT	CC	1940135717
SNP_P1_9767_29855477	NC_021160.1	Ca_kabuli_chr01	29855477	CC	TT	1940135718
SNP_P1_9768_29855594	NC_021160.1	Ca_kabuli_chr01	29855594	AA	GG	1940135719
SNP_P1_9769_29855951	NC_021160.1	Ca_kabuli_chr01	29855951	GG	CC	1940135720
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SNP_P1_9771_29856064	NC_021160.1	Ca_kabuli_chr01	29856064	TT	GG	1940135722
SNP_P1_9772_29856202	NC_021160.1	Ca_kabuli_chr01	29856202	CC	GG	1940135723
SNP_P1_9773_29856247	NC_021160.1	Ca_kabuli_chr01	29856247	CC	TT	1940135724
SNP_P1_9774_29856319	NC_021160.1	Ca_kabuli_chr01	29856319	TT	GG	1940135725
SNP_P1_9775_29856405	NC_021160.1	Ca_kabuli_chr01	29856405	GG	AA	1940135726
SNP_P1_9776_29856439	NC_021160.1	Ca_kabuli_chr01	29856439	GG	AA	1940135727
SNP_P1_9778_29856845	NC_021160.1	Ca_kabuli_chr01	29856845	AA	TT	1940135728
SNP_P1_9779_29856986	NC_021160.1	Ca_kabuli_chr01	29856986	TT	CC	1940135729
SNP_P1_9780_29857084	NC_021160.1	Ca_kabuli_chr01	29857084	AA	TT	1940135730
SNP_P1_9781_29857164	NC_021160.1	Ca_kabuli_chr01	29857164	TT	GG	1940135731
SNP_P1_9782_29857237	NC_021160.1	Ca_kabuli_chr01	29857237	CC	TT	1940135732
SNP_P1_9783_29861701	NC_021160.1	Ca_kabuli_chr01	29861701	TT	AA	1940135733
SNP_P1_9784_29862080	NC_021160.1	Ca_kabuli_chr01	29862080	GG	AA	1940135734
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SNP_P1_9787_29866984	NC_021160.1	Ca_kabuli_chr01	29866984	CC	GG	1940135738
SNP_P1_9788_29869020	NC_021160.1	Ca_kabuli_chr01	29869020	GG	TT	1940135739
SNP_P1_9789_29870263	NC_021160.1	Ca_kabuli_chr01	29870263	AA	TT	1940135740
SNP_P1_9790_29880925	NC_021160.1	Ca_kabuli_chr01	29880925	TT	AA	1940135741
SNP_P1_9791_29880926	NC_021160.1	Ca_kabuli_chr01	29880926	GG	TT	1940135742
SNP_P1_9793_29882289	NC_021160.1	Ca_kabuli_chr01	29882289	GG	TT	1940135743
SNP_P1_9794_29885354	NC_021160.1	Ca_kabuli_chr01	29885354	GG	AA	1940135744

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9797_29922062	NC_021160.1	Ca_kabuli_chr01	29922062	AA	TT	1940135747
SNP_P1_9798_29932522	NC_021160.1	Ca_kabuli_chr01	29932522	AA	GG	1940135748
SNP_P1_9799_29932765	NC_021160.1	Ca_kabuli_chr01	29932765	TT	GG	1940135749
SNP_P1_9800_29932794	NC_021160.1	Ca_kabuli_chr01	29932794	CC	TT	1940135750
SNP_P1_9801_29932832	NC_021160.1	Ca_kabuli_chr01	29932832	GG	TT	1940135751
SNP_P1_9802_29936628	NC_021160.1	Ca_kabuli_chr01	29936628	AA	TT	1940135752
SNP_P1_9803_29936732	NC_021160.1	Ca_kabuli_chr01	29936732	GG	AA	1940135753
SNP_P1_9804_29936738	NC_021160.1	Ca_kabuli_chr01	29936738	TT	CC	1940135754
SNP_P1_9805_29936749	NC_021160.1	Ca_kabuli_chr01	29936749	TT	CC	1940135755
SNP_P1_9806_29936754	NC_021160.1	Ca_kabuli_chr01	29936754	GG	AA	1940135756
SNP_P1_9807_29936769	NC_021160.1	Ca_kabuli_chr01	29936769	CC	AA	1940135757
SNP_P1_9808_29945040	NC_021160.1	Ca_kabuli_chr01	29945040	AA	CC	1940135758
SNP_P1_9809_29965586	NC_021160.1	Ca_kabuli_chr01	29965586	TT	CC	1940135759
SNP_P1_9810_29975442	NC_021160.1	Ca_kabuli_chr01	29975442	GG	AA	1940135760
SNP_P1_9812_29976976	NC_021160.1	Ca_kabuli_chr01	29976976	TT	GG	1940135761
SNP_P1_9813_29977134	NC_021160.1	Ca_kabuli_chr01	29977134	TT	AA	1940135762
SNP_P1_9814_29977150	NC_021160.1	Ca_kabuli_chr01	29977150	AA	TT	1940135763
SNP_P1_9815_29980732	NC_021160.1	Ca_kabuli_chr01	29980732	GG	AA	1940135764
SNP_P1_9816_29980806	NC_021160.1	Ca_kabuli_chr01	29980806	TT	AA	1940135765
SNP_P1_9817_29980881	NC_021160.1	Ca_kabuli_chr01	29980881	CC	TT	1940135766
SNP_P1_9818_29980983	NC_021160.1	Ca_kabuli_chr01	29980983	CC	TT	1940135767
SNP_P1_9819_29980993	NC_021160.1	Ca_kabuli_chr01	29980993	AA	GG	1940135768
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SNP_P1_9821_29980998	NC_021160.1	Ca_kabuli_chr01	29980998	TT	AA	1940135770
SNP_P1_9822_29981001	NC_021160.1	Ca_kabuli_chr01	29981001	CC	TT	1940135771
SNP_P1_9823_29981082	NC_021160.1	Ca_kabuli_chr01	29981082	GG	TT	1940135773
SNP_P1_9824_29981549	NC_021160.1	Ca_kabuli_chr01	29981549	TT	CC	1940135774
SNP_P1_9825_29981561	NC_021160.1	Ca_kabuli_chr01	29981561	GG	AA	1940135775
SNP_P1_9826_29984997	NC_021160.1	Ca_kabuli_chr01	29984997	CC	TT	1940135776
SNP_P1_9827_29994106	NC_021160.1	Ca_kabuli_chr01	29994106	AA	TT	1940135777
SNP_P1_9828_29994146	NC_021160.1	Ca_kabuli_chr01	29994146	TT	CC	1940135778
SNP_P1_9829_29994152	NC_021160.1	Ca_kabuli_chr01	29994152	AA	GG	1940135779
SNP_P1_9830_29994409	NC_021160.1	Ca_kabuli_chr01	29994409	TT	CC	1940135780
SNP_P1_9831_29994495	NC_021160.1	Ca_kabuli_chr01	29994495	TT	CC	1940135781
SNP_P1_9832_29997145	NC_021160.1	Ca_kabuli_chr01	29997145	TT	GG	1940135782
SNP_P1_9833_29997379	NC_021160.1	Ca_kabuli_chr01	29997379	AA	GG	1940135783
SNP_P1_9834_29998078	NC_021160.1	Ca_kabuli_chr01	29998078	CC	TT	1940135784
SNP_P1_9835_29998081	NC_021160.1	Ca_kabuli_chr01	29998081	AA	GG	1940135785
SNP_P1_9836_29998111	NC_021160.1	Ca_kabuli_chr01	29998111	TT	CC	1940135786
SNP_P1_9837_30001520	NC_021160.1	Ca_kabuli_chr01	30001520	AA	CC	1940135787

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9839_30007768	NC_021160.1	Ca_kabuli_chr01	30007768	GG	TT	1940135789
SNP_P1_9840_30007816	NC_021160.1	Ca_kabuli_chr01	30007816	CC	TT	1940135790
SNP_P1_9841_30007976	NC_021160.1	Ca_kabuli_chr01	30007976	CC	TT	1940135791
SNP_P1_9842_30008062	NC_021160.1	Ca_kabuli_chr01	30008062	TT	GG	1940135792
SNP_P1_9843_30020244	NC_021160.1	Ca_kabuli_chr01	30020244	TT	CC	1940135793
SNP_P1_9844_30035074	NC_021160.1	Ca_kabuli_chr01	30035074	TT	AA	1940135794
SNP_P1_9846_30036196	NC_021160.1	Ca_kabuli_chr01	30036196	AA	GG	1940135795
SNP_P1_9847_30037878	NC_021160.1	Ca_kabuli_chr01	30037878	CC	AA	1940135796
SNP_P1_9848_30037932	NC_021160.1	Ca_kabuli_chr01	30037932	AA	CC	1940135797
SNP_P1_9849_30037947	NC_021160.1	Ca_kabuli_chr01	30037947	CC	TT	1940135798
SNP_P1_9850_30038004	NC_021160.1	Ca_kabuli_chr01	30038004	CC	GG	1940135799
SNP_P1_9851_30038030	NC_021160.1	Ca_kabuli_chr01	30038030	AA	GG	1940135800
SNP_P1_9852_30038464	NC_021160.1	Ca_kabuli_chr01	30038464	AA	CC	1940135801
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SNP_P1_9855_30044869	NC_021160.1	Ca_kabuli_chr01	30044869	AA	GG	1940135803
SNP_P1_9856_30044870	NC_021160.1	Ca_kabuli_chr01	30044870	AA	GG	1940135804
SNP_P1_9857_30048355	NC_021160.1	Ca_kabuli_chr01	30048355	AA	GG	1940135805
SNP_P1_9858_30051799	NC_021160.1	Ca_kabuli_chr01	30051799	AA	TT	1940135806
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SNP_P1_9862_30057582	NC_021160.1	Ca_kabuli_chr01	30057582	AA	GG	1940135811
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SNP_P1_9869_30064552	NC_021160.1	Ca_kabuli_chr01	30064552	CC	TT	1940135817
SNP_P1_9870_30066558	NC_021160.1	Ca_kabuli_chr01	30066558	CC	TT	1940135818
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SNP_P1_9876_30086702	NC_021160.1	Ca_kabuli_chr01	30086702	AA	GG	1940135823
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SNP_P1_9881_30111416	NC_021160.1	Ca_kabuli_chr01	30111416	TT	CC	1940135828
SNP_P1_9882_30111434	NC_021160.1	Ca_kabuli_chr01	30111434	AA	GG	1940135829
SNP_P1_9883_30111437	NC_021160.1	Ca_kabuli_chr01	30111437	AA	GG	1940135830

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9886_30111563	NC_021160.1	Ca_kabuli_chr01	30111563	AA	GG	1940135833
SNP_P1_9887_30111833	NC_021160.1	Ca_kabuli_chr01	30111833	GG	AA	1940135834
SNP_P1_9888_30117199	NC_021160.1	Ca_kabuli_chr01	30117199	TT	CC	1940135835
SNP_P1_9889_30117305	NC_021160.1	Ca_kabuli_chr01	30117305	GG	TT	1940135836
SNP_P1_9890_30117422	NC_021160.1	Ca_kabuli_chr01	30117422	TT	GG	1940135837
SNP_P1_9891_30117613	NC_021160.1	Ca_kabuli_chr01	30117613	AA	GG	1940135838
SNP_P1_9892_30120554	NC_021160.1	Ca_kabuli_chr01	30120554	TT	CC	1940135839
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SNP_P1_9894_30124096	NC_021160.1	Ca_kabuli_chr01	30124096	GG	AA	1940135841
SNP_P1_9895_30125855	NC_021160.1	Ca_kabuli_chr01	30125855	AA	GG	1940135842
SNP_P1_9896_30128204	NC_021160.1	Ca_kabuli_chr01	30128204	CC	GG	1940135844
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SNP_P1_9898_30134586	NC_021160.1	Ca_kabuli_chr01	30134586	TT	CC	1940135846
SNP_P1_9899_30134753	NC_021160.1	Ca_kabuli_chr01	30134753	CC	TT	1940135847
SNP_P1_9900_30138450	NC_021160.1	Ca_kabuli_chr01	30138450	GG	AA	1940135848
SNP_P1_9901_30138626	NC_021160.1	Ca_kabuli_chr01	30138626	CC	TT	1940135849
SNP_P1_9902_30140204	NC_021160.1	Ca_kabuli_chr01	30140204	AA	GG	1940135850
SNP_P1_9903_30144193	NC_021160.1	Ca_kabuli_chr01	30144193	CC	TT	1940135851
SNP_P1_9904_30146667	NC_021160.1	Ca_kabuli_chr01	30146667	GG	CC	1940135852
SNP_P1_9905_30146807	NC_021160.1	Ca_kabuli_chr01	30146807	AA	TT	1940135853
SNP_P1_9906_30148729	NC_021160.1	Ca_kabuli_chr01	30148729	AA	GG	1940135854
SNP_P1_9907_30150228	NC_021160.1	Ca_kabuli_chr01	30150228	TT	CC	1940135855
SNP_P1_9908_30150335	NC_021160.1	Ca_kabuli_chr01	30150335	TT	AA	1940135856
SNP_P1_9909_30150535	NC_021160.1	Ca_kabuli_chr01	30150535	TT	AA	1940135857
SNP_P1_9910_30151130	NC_021160.1	Ca_kabuli_chr01	30151130	AA	GG	1940135858
SNP_P1_9911_30153657	NC_021160.1	Ca_kabuli_chr01	30153657	AA	CC	1940135860
SNP_P1_9912_30156813	NC_021160.1	Ca_kabuli_chr01	30156813	AA	TT	1940135861
SNP_P1_9913_30156814	NC_021160.1	Ca_kabuli_chr01	30156814	AA	TT	1940135862
SNP_P1_9914_30157130	NC_021160.1	Ca_kabuli_chr01	30157130	TT	CC	1940135863
SNP_P1_9915_30157172	NC_021160.1	Ca_kabuli_chr01	30157172	TT	CC	1940135864
SNP_P1_9916_30157212	NC_021160.1	Ca_kabuli_chr01	30157212	TT	CC	1940135865
SNP_P1_9917_30158758	NC_021160.1	Ca_kabuli_chr01	30158758	CC	TT	1940135866
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SNP_P1_9920_30161334	NC_021160.1	Ca_kabuli_chr01	30161334	GG	TT	1940135869
SNP_P1_9921_30162973	NC_021160.1	Ca_kabuli_chr01	30162973	TT	CC	1940135870
SNP_P1_9922_30163045	NC_021160.1	Ca_kabuli_chr01	30163045	AA	CC	1940135871
SNP_P1_9924_30171540	NC_021160.1	Ca_kabuli_chr01	30171540	TT	GG	1940135872
SNP_P1_9925_30171547	NC_021160.1	Ca_kabuli_chr01	30171547	TT	AA	1940135873
SNP_P1_9926_30171550	NC_021160.1	Ca_kabuli_chr01	30171550	TT	AA	1940135874

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9928_30173933	NC_021160.1	Ca_kabuli_chr01	30173933	TT	AA	1940135876
SNP_P1_9929_30175876	NC_021160.1	Ca_kabuli_chr01	30175876	TT	CC	1940135877
SNP_P1_9930_30177918	NC_021160.1	Ca_kabuli_chr01	30177918	CC	TT	1940135879
SNP_P1_9931_30180055	NC_021160.1	Ca_kabuli_chr01	30180055	GG	AA	1940135880
SNP_P1_9932_30180098	NC_021160.1	Ca_kabuli_chr01	30180098	TT	CC	1940135881
SNP_P1_9933_30181076	NC_021160.1	Ca_kabuli_chr01	30181076	CC	GG	1940135882
SNP_P1_9934_30181097	NC_021160.1	Ca_kabuli_chr01	30181097	GG	AA	1940135883
SNP_P1_9935_30181603	NC_021160.1	Ca_kabuli_chr01	30181603	GG	AA	1940135884
SNP_P1_9936_30182769	NC_021160.1	Ca_kabuli_chr01	30182769	AA	GG	1940135885
SNP_P1_9938_30183436	NC_021160.1	Ca_kabuli_chr01	30183436	AA	CC	1940135886
SNP_P1_9939_30189594	NC_021160.1	Ca_kabuli_chr01	30189594	AA	GG	1940135887
SNP_P1_9940_30195322	NC_021160.1	Ca_kabuli_chr01	30195322	AA	TT	1940135888
SNP_P1_9941_30195346	NC_021160.1	Ca_kabuli_chr01	30195346	AA	GG	1940135889
SNP_P1_9942_30195357	NC_021160.1	Ca_kabuli_chr01	30195357	GG	AA	1940135890
SNP_P1_9943_30196455	NC_021160.1	Ca_kabuli_chr01	30196455	GG	AA	1940135891
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SNP_P1_9946_30196476	NC_021160.1	Ca_kabuli_chr01	30196476	AA	TT	1940135894
SNP_P1_9947_30196760	NC_021160.1	Ca_kabuli_chr01	30196760	GG	AA	1940135895
SNP_P1_9948_30196805	NC_021160.1	Ca_kabuli_chr01	30196805	GG	AA	1940135896
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SNP_P1_9950_30197046	NC_021160.1	Ca_kabuli_chr01	30197046	TT	AA	1940135898
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SNP_P1_9959_30234459	NC_021160.1	Ca_kabuli_chr01	30234459	CC	GG	1940135906
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SNP_P1_9961_30238670	NC_021160.1	Ca_kabuli_chr01	30238670	GG	AA	1940135908
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SNP_P1_9964_30247983	NC_021160.1	Ca_kabuli_chr01	30247983	CC	TT	1940135912
SNP_P1_9965_30248045	NC_021160.1	Ca_kabuli_chr01	30248045	CC	TT	1940135913
SNP_P1_9966_30248048	NC_021160.1	Ca_kabuli_chr01	30248048	AA	GG	1940135914
SNP_P1_9967_30252409	NC_021160.1	Ca_kabuli_chr01	30252409	CC	AA	1940135915
SNP_P1_9968_30252559	NC_021160.1	Ca_kabuli_chr01	30252559	CC	TT	1940135916
SNP_P1_9969_30255590	NC_021160.1	Ca_kabuli_chr01	30255590	AA	CC	1940135917
SNP_P1_9970_30255705	NC_021160.1	Ca_kabuli_chr01	30255705	GG	TT	1940135918

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_9972_30256328	NC_021160.1	Ca_kabuli_chr01	30256328	AA	GG	1940135920
SNP_P1_9973_30256415	NC_021160.1	Ca_kabuli_chr01	30256415	AA	GG	1940135921
SNP_P1_9974_30259262	NC_021160.1	Ca_kabuli_chr01	30259262	GG	AA	1940135922
SNP_P1_9975_30259303	NC_021160.1	Ca_kabuli_chr01	30259303	CC	TT	1940135923
SNP_P1_9976_30259422	NC_021160.1	Ca_kabuli_chr01	30259422	TT	GG	1940135924
SNP_P1_9977_30259491	NC_021160.1	Ca_kabuli_chr01	30259491	GG	TT	1940135925
SNP_P1_9978_30259549	NC_021160.1	Ca_kabuli_chr01	30259549	AA	GG	1940135926
SNP_P1_9979_30259697	NC_021160.1	Ca_kabuli_chr01	30259697	CC	TT	1940135927
SNP_P1_9980_30259838	NC_021160.1	Ca_kabuli_chr01	30259838	GG	AA	1940135928
SNP_P1_9981_30259902	NC_021160.1	Ca_kabuli_chr01	30259902	CC	AA	1940135929
SNP_P1_9982_30263986	NC_021160.1	Ca_kabuli_chr01	30263986	TT	CC	1940135930
SNP_P1_9983_30263994	NC_021160.1	Ca_kabuli_chr01	30263994	CC	GG	1940135931
SNP_P1_9984_30264021	NC_021160.1	Ca_kabuli_chr01	30264021	GG	AA	1940135932
SNP_P1_9985_30264023	NC_021160.1	Ca_kabuli_chr01	30264023	CC	AA	1940135933
SNP_P1_9986_30264099	NC_021160.1	Ca_kabuli_chr01	30264099	AA	GG	1940135934
SNP_P1_9987_30264672	NC_021160.1	Ca_kabuli_chr01	30264672	AA	TT	1940135935
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SNP_P1_9992_30284934	NC_021160.1	Ca_kabuli_chr01	30284934	AA	TT	1940135941
SNP_P1_9994_30290767	NC_021160.1	Ca_kabuli_chr01	30290767	AA	GG	1940135942
SNP_P1_9995_30293710	NC_021160.1	Ca_kabuli_chr01	30293710	TT	CC	1940135943
SNP_P1_9996_30300193	NC_021160.1	Ca_kabuli_chr01	30300193	AA	CC	1940135944
SNP_P1_9997_30305191	NC_021160.1	Ca_kabuli_chr01	30305191	CC	TT	1940135945
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SNP_P1_9999_30342872	NC_021160.1	Ca_kabuli_chr01	30342872	CC	AA	1940135947
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SNP_P1_10002_30379619	NC_021160.1	Ca_kabuli_chr01	30379619	TT	AA	1940135949
SNP_P1_10004_30398754	NC_021160.1	Ca_kabuli_chr01	30398754	TT	CC	1940135950
SNP_P1_10006_30423668	NC_021160.1	Ca_kabuli_chr01	30423668	AA	GG	1940135951
SNP_P1_10007_30423765	NC_021160.1	Ca_kabuli_chr01	30423765	CC	TT	1940135952
SNP_P1_10008_30423770	NC_021160.1	Ca_kabuli_chr01	30423770	AA	CC	1940135953
SNP_P1_10009_30424150	NC_021160.1	Ca_kabuli_chr01	30424150	TT	CC	1940135954
SNP_P1_10010_30424211	NC_021160.1	Ca_kabuli_chr01	30424211	GG	AA	1940135955
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SNP_P1_10012_30429174	NC_021160.1	Ca_kabuli_chr01	30429174	TT	CC	1940135957
SNP_P1_10013_30429183	NC_021160.1	Ca_kabuli_chr01	30429183	GG	AA	1940135958
SNP_P1_10014_30429207	NC_021160.1	Ca_kabuli_chr01	30429207	GG	TT	1940135959
SNP_P1_10016_30438091	NC_021160.1	Ca_kabuli_chr01	30438091	GG	TT	1940135960
SNP_P1_10018_30446785	NC_021160.1	Ca_kabuli_chr01	30446785	CC	TT	1940135961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10021_30451135	NC_021160.1	Ca_kabuli_chr01	30451135	TT	CC	1940135964
SNP_P1_10022_30452790	NC_021160.1	Ca_kabuli_chr01	30452790	CC	TT	1940135965
SNP_P1_10023_30452809	NC_021160.1	Ca_kabuli_chr01	30452809	AA	GG	1940135966
SNP_P1_10025_30460857	NC_021160.1	Ca_kabuli_chr01	30460857	TT	CC	1940135967
SNP_P1_10026_30460891	NC_021160.1	Ca_kabuli_chr01	30460891	GG	TT	1940135968
SNP_P1_10027_30460892	NC_021160.1	Ca_kabuli_chr01	30460892	TT	CC	1940135969
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SNP_P1_10030_30460953	NC_021160.1	Ca_kabuli_chr01	30460953	AA	GG	1940135973
SNP_P1_10031_30461002	NC_021160.1	Ca_kabuli_chr01	30461002	CC	TT	1940135974
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SNP_P1_10035_30461279	NC_021160.1	Ca_kabuli_chr01	30461279	GG	AA	1940135978
SNP_P1_10036_30461292	NC_021160.1	Ca_kabuli_chr01	30461292	AA	TT	1940135979
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SNP_P1_10050_30508804	NC_021160.1	Ca_kabuli_chr01	30508804	AA	TT	1940135990
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SNP_P1_10052_30509164	NC_021160.1	Ca_kabuli_chr01	30509164	AA	CC	1940135992
SNP_P1_10053_30509351	NC_021160.1	Ca_kabuli_chr01	30509351	GG	CC	1940135993
SNP_P1_10054_30528836	NC_021160.1	Ca_kabuli_chr01	30528836	TT	CC	1940135994
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SNP_P1_10058_30543428	NC_021160.1	Ca_kabuli_chr01	30543428	AA	CC	1940135997
SNP_P1_10059_30585458	NC_021160.1	Ca_kabuli_chr01	30585458	AA	GG	1940135998
SNP_P1_10060_30591180	NC_021160.1	Ca_kabuli_chr01	30591180	GG	AA	1940135999
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SNP_P1_10063_30603477	NC_021160.1	Ca_kabuli_chr01	30603477	GG	TT	1940136001
SNP_P1_10065_30603500	NC_021160.1	Ca_kabuli_chr01	30603500	GG	CC	1940136002
SNP_P1_10067_30603992	NC_021160.1	Ca_kabuli_chr01	30603992	AA	TT	1940136004
SNP_P1_10068_30620609	NC_021160.1	Ca_kabuli_chr01	30620609	AA	GG	1940136005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10072_30627874	NC_021160.1	Ca_kabuli_chr01	30627874	AA	GG	1940136008
SNP_P1_10073_30657007	NC_021160.1	Ca_kabuli_chr01	30657007	AA	GG	1940136009
SNP_P1_10074_30663367	NC_021160.1	Ca_kabuli_chr01	30663367	GG	AA	1940136010
SNP_P1_10076_30681283	NC_021160.1	Ca_kabuli_chr01	30681283	CC	AA	1940136011
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SNP_P1_10082_30725845	NC_021160.1	Ca_kabuli_chr01	30725845	AA	GG	1940136015
SNP_P1_10083_30735381	NC_021160.1	Ca_kabuli_chr01	30735381	CC	TT	1940136016
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SNP_P1_10087_30738524	NC_021160.1	Ca_kabuli_chr01	30738524	CC	AA	1940136020
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SNP_P1_10090_30740232	NC_021160.1	Ca_kabuli_chr01	30740232	GG	TT	1940136022
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SNP_P1_10094_30740835	NC_021160.1	Ca_kabuli_chr01	30740835	GG	TT	1940136026
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SNP_P1_10096_30741262	NC_021160.1	Ca_kabuli_chr01	30741262	AA	GG	1940136028
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SNP_P1_10098_30745398	NC_021160.1	Ca_kabuli_chr01	30745398	TT	CC	1940136030
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SNP_P1_10103_30745732	NC_021160.1	Ca_kabuli_chr01	30745732	TT	CC	1940136034
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SNP_P1_10105_30746111	NC_021160.1	Ca_kabuli_chr01	30746111	CC	AA	1940136037
SNP_P1_10106_30754969	NC_021160.1	Ca_kabuli_chr01	30754969	GG	AA	1940136038
SNP_P1_10108_30756175	NC_021160.1	Ca_kabuli_chr01	30756175	TT	CC	1940136039
SNP_P1_10109_30756178	NC_021160.1	Ca_kabuli_chr01	30756178	GG	TT	1940136040
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SNP_P1_10111_30756962	NC_021160.1	Ca_kabuli_chr01	30756962	CC	AA	1940136042
SNP_P1_10112_30762238	NC_021160.1	Ca_kabuli_chr01	30762238	CC	TT	1940136043
SNP_P1_10113_30762300	NC_021160.1	Ca_kabuli_chr01	30762300	TT	AA	1940136044
SNP_P1_10114_30762305	NC_021160.1	Ca_kabuli_chr01	30762305	TT	AA	1940136045
SNP_P1_10115_30762315	NC_021160.1	Ca_kabuli_chr01	30762315	GG	AA	1940136046
SNP_P1_10116_30762343	NC_021160.1	Ca_kabuli_chr01	30762343	TT	CC	1940136047
SNP_P1_10117_30762370	NC_021160.1	Ca_kabuli_chr01	30762370	CC	TT	1940136048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_10118_30762386	NC_021160.1	Ca_kabuli_chr01	30762386	GG	AA	1940136049
SNP_P1_10119_30762418	NC_021160.1	Ca_kabuli_chr01	30762418	AA	GG	1940136050
SNP_P1_10120_30762645	NC_021160.1	Ca_kabuli_chr01	30762645	TT	GG	1940136051
SNP_P1_10121_30762737	NC_021160.1	Ca_kabuli_chr01	30762737	AA	GG	1940136052
SNP_P1_10122_30762750	NC_021160.1	Ca_kabuli_chr01	30762750	GG	TT	1940136053
SNP_P1_10123_30762761	NC_021160.1	Ca_kabuli_chr01	30762761	GG	TT	1940136054
SNP_P1_10124_30762791	NC_021160.1	Ca_kabuli_chr01	30762791	CC	AA	1940136055
SNP_P1_10125_30762935	NC_021160.1	Ca_kabuli_chr01	30762935	TT	AA	1940136056
SNP_P1_10128_30766734	NC_021160.1	Ca_kabuli_chr01	30766734	CC	TT	1940136057
SNP_P1_10130_30769981	NC_021160.1	Ca_kabuli_chr01	30769981	AA	TT	1940136058
SNP_P1_10131_30769992	NC_021160.1	Ca_kabuli_chr01	30769992	CC	TT	1940136059
SNP_P1_10132_30769999	NC_021160.1	Ca_kabuli_chr01	30769999	GG	AA	1940136060
SNP_P1_10133_30770017	NC_021160.1	Ca_kabuli_chr01	30770017	TT	AA	1940136061
SNP_P1_10134_30770042	NC_021160.1	Ca_kabuli_chr01	30770042	CC	AA	1940136062
SNP_P1_10135_30770137	NC_021160.1	Ca_kabuli_chr01	30770137	CC	TT	1940136063
SNP_P1_10137_30770392	NC_021160.1	Ca_kabuli_chr01	30770392	GG	AA	1940136064
SNP_P1_10138_30770958	NC_021160.1	Ca_kabuli_chr01	30770958	CC	GG	1940136065
SNP_P1_10139_30771037	NC_021160.1	Ca_kabuli_chr01	30771037	GG	TT	1940136066
SNP_P1_10140_30771411	NC_021160.1	Ca_kabuli_chr01	30771411	GG	AA	1940136067
SNP_P1_10142_30786197	NC_021160.1	Ca_kabuli_chr01	30786197	GG	AA	1940136068
SNP_P1_10144_30786220	NC_021160.1	Ca_kabuli_chr01	30786220	AA	GG	1940136069
SNP_P1_10145_30786238	NC_021160.1	Ca_kabuli_chr01	30786238	GG	AA	1940136070
SNP_P1_10146_30786406	NC_021160.1	Ca_kabuli_chr01	30786406	GG	TT	1940136071
SNP_P1_10147_30786534	NC_021160.1	Ca_kabuli_chr01	30786534	GG	TT	1940136072
SNP_P1_10148_30786883	NC_021160.1	Ca_kabuli_chr01	30786883	GG	TT	1940136073
SNP_P1_10149_30786974	NC_021160.1	Ca_kabuli_chr01	30786974	CC	TT	1940136074
SNP_P1_10150_30788972	NC_021160.1	Ca_kabuli_chr01	30788972	CC	GG	1940136076
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SNP_P1_10153_30791983	NC_021160.1	Ca_kabuli_chr01	30791983	TT	CC	1940136078
SNP_P1_10154_30792345	NC_021160.1	Ca_kabuli_chr01	30792345	CC	AA	1940136079
SNP_P1_10155_30792382	NC_021160.1	Ca_kabuli_chr01	30792382	CC	TT	1940136080
SNP_P1_10156_30792409	NC_021160.1	Ca_kabuli_chr01	30792409	TT	CC	1940136081
SNP_P1_10157_30792704	NC_021160.1	Ca_kabuli_chr01	30792704	AA	GG	1940136082
SNP_P1_10158_30793321	NC_021160.1	Ca_kabuli_chr01	30793321	AA	CC	1940136083
SNP_P1_10159_30797797	NC_021160.1	Ca_kabuli_chr01	30797797	TT	CC	1940136084
SNP_P1_10160_30800311	NC_021160.1	Ca_kabuli_chr01	30800311	CC	TT	1940136085
SNP_P1_10161_30801120	NC_021160.1	Ca_kabuli_chr01	30801120	TT	AA	1940136086
SNP_P1_10162_30801153	NC_021160.1	Ca_kabuli_chr01	30801153	TT	CC	1940136087
SNP_P1_10163_30801620	NC_021160.1	Ca_kabuli_chr01	30801620	CC	TT	1940136088
SNP_P1_10164_30801673	NC_021160.1	Ca_kabuli_chr01	30801673	AA	CC	1940136089
SNP_P1_10165_30803690	NC_021160.1	Ca_kabuli_chr01	30803690	TT	CC	1940136090
SNP_P1_10166_30804101	NC_021160.1	Ca_kabuli_chr01	30804101	CC	TT	1940136091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10168_30806227	NC_021160.1	Ca_kabuli_chr01	30806227	CC	TT	1940136093
SNP_P1_10169_30807355	NC_021160.1	Ca_kabuli_chr01	30807355	CC	AA	1940136094
SNP_P1_10170_30807440	NC_021160.1	Ca_kabuli_chr01	30807440	AA	CC	1940136095
SNP_P1_10171_30807600	NC_021160.1	Ca_kabuli_chr01	30807600	CC	TT	1940136096
SNP_P1_10172_30808046	NC_021160.1	Ca_kabuli_chr01	30808046	GG	TT	1940136097
SNP_P1_10173_30808058	NC_021160.1	Ca_kabuli_chr01	30808058	AA	CC	1940136098
SNP_P1_10174_30808062	NC_021160.1	Ca_kabuli_chr01	30808062	AA	TT	1940136099
SNP_P1_10175_30808368	NC_021160.1	Ca_kabuli_chr01	30808368	TT	CC	1940136100
SNP_P1_10176_30820541	NC_021160.1	Ca_kabuli_chr01	30820541	TT	CC	1940136101
SNP_P1_10177_30821504	NC_021160.1	Ca_kabuli_chr01	30821504	GG	TT	1940136102
SNP_P1_10178_30821740	NC_021160.1	Ca_kabuli_chr01	30821740	CC	TT	1940136103
SNP_P1_10179_30822117	NC_021160.1	Ca_kabuli_chr01	30822117	TT	GG	1940136104
SNP_P1_10180_30822173	NC_021160.1	Ca_kabuli_chr01	30822173	CC	TT	1940136105
SNP_P1_10181_30823413	NC_021160.1	Ca_kabuli_chr01	30823413	AA	GG	1940136106
SNP_P1_10182_30824547	NC_021160.1	Ca_kabuli_chr01	30824547	CC	GG	1940136107
SNP_P1_10183_30827270	NC_021160.1	Ca_kabuli_chr01	30827270	AA	CC	1940136108
SNP_P1_10184_30827678	NC_021160.1	Ca_kabuli_chr01	30827678	GG	AA	1940136109
SNP_P1_10185_30828226	NC_021160.1	Ca_kabuli_chr01	30828226	GG	TT	1940136110
SNP_P1_10187_30829859	NC_021160.1	Ca_kabuli_chr01	30829859	AA	GG	1940136111
SNP_P1_10188_30829880	NC_021160.1	Ca_kabuli_chr01	30829880	TT	CC	1940136112
SNP_P1_10189_30830953	NC_021160.1	Ca_kabuli_chr01	30830953	AA	GG	1940136113
SNP_P1_10190_30831400	NC_021160.1	Ca_kabuli_chr01	30831400	TT	CC	1940136114
SNP_P1_10191_30833099	NC_021160.1	Ca_kabuli_chr01	30833099	CC	GG	1940136115
SNP_P1_10192_30833672	NC_021160.1	Ca_kabuli_chr01	30833672	CC	AA	1940136116
SNP_P1_10193_30837187	NC_021160.1	Ca_kabuli_chr01	30837187	CC	TT	1940136117
SNP_P1_10194_30842336	NC_021160.1	Ca_kabuli_chr01	30842336	TT	CC	1940136118
SNP_P1_10195_30843818	NC_021160.1	Ca_kabuli_chr01	30843818	GG	TT	1940136119
SNP_P1_10197_30845574	NC_021160.1	Ca_kabuli_chr01	30845574	AA	GG	1940136120
SNP_P1_10199_30846945	NC_021160.1	Ca_kabuli_chr01	30846945	GG	AA	1940136121
SNP_P1_10200_30846974	NC_021160.1	Ca_kabuli_chr01	30846974	TT	AA	1940136122
SNP_P1_10201_30849081	NC_021160.1	Ca_kabuli_chr01	30849081	GG	AA	1940136123
SNP_P1_10202_30849118	NC_021160.1	Ca_kabuli_chr01	30849118	GG	AA	1940136124
SNP_P1_10203_30850172	NC_021160.1	Ca_kabuli_chr01	30850172	TT	AA	1940136125
SNP_P1_10204_30851335	NC_021160.1	Ca_kabuli_chr01	30851335	TT	AA	1940136126
SNP_P1_10205_30859503	NC_021160.1	Ca_kabuli_chr01	30859503	CC	TT	1940136128
SNP_P1_10206_30859931	NC_021160.1	Ca_kabuli_chr01	30859931	TT	CC	1940136129
SNP_P1_10207_30860584	NC_021160.1	Ca_kabuli_chr01	30860584	AA	TT	1940136130
SNP_P1_10208_30862784	NC_021160.1	Ca_kabuli_chr01	30862784	AA	TT	1940136131
SNP_P1_10209_30862878	NC_021160.1	Ca_kabuli_chr01	30862878	TT	CC	1940136132
SNP_P1_10210_30862890	NC_021160.1	Ca_kabuli_chr01	30862890	AA	CC	1940136133
SNP_P1_10211_30863196	NC_021160.1	Ca_kabuli_chr01	30863196	TT	GG	1940136134

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10213_30863581	NC_021160.1	Ca_kabuli_chr01	30863581	TT	GG	1940136136
SNP_P1_10214_30863813	NC_021160.1	Ca_kabuli_chr01	30863813	TT	AA	1940136137
SNP_P1_10215_30864706	NC_021160.1	Ca_kabuli_chr01	30864706	CC	TT	1940136138
SNP_P1_10216_30864973	NC_021160.1	Ca_kabuli_chr01	30864973	GG	AA	1940136139
SNP_P1_10217_30865127	NC_021160.1	Ca_kabuli_chr01	30865127	AA	CC	1940136140
SNP_P1_10218_30865280	NC_021160.1	Ca_kabuli_chr01	30865280	TT	CC	1940136141
SNP_P1_10219_30867183	NC_021160.1	Ca_kabuli_chr01	30867183	TT	CC	1940136142
SNP_P1_10220_30874109	NC_021160.1	Ca_kabuli_chr01	30874109	TT	CC	1940136143
SNP_P1_10222_30876609	NC_021160.1	Ca_kabuli_chr01	30876609	GG	AA	1940136144
SNP_P1_10223_30883097	NC_021160.1	Ca_kabuli_chr01	30883097	GG	TT	1940136145
SNP_P1_10224_30887888	NC_021160.1	Ca_kabuli_chr01	30887888	CC	TT	1940136146
SNP_P1_10225_30887907	NC_021160.1	Ca_kabuli_chr01	30887907	GG	TT	1940136147
SNP_P1_10226_30889303	NC_021160.1	Ca_kabuli_chr01	30889303	AA	GG	1940136148
SNP_P1_10227_30889349	NC_021160.1	Ca_kabuli_chr01	30889349	AA	GG	1940136149
SNP_P1_10228_30889430	NC_021160.1	Ca_kabuli_chr01	30889430	AA	CC	1940136150
SNP_P1_10229_30889823	NC_021160.1	Ca_kabuli_chr01	30889823	CC	TT	1940136151
SNP_P1_10230_30889869	NC_021160.1	Ca_kabuli_chr01	30889869	GG	AA	1940136152
SNP_P1_10231_30890087	NC_021160.1	Ca_kabuli_chr01	30890087	TT	GG	1940136153
SNP_P1_10232_30890117	NC_021160.1	Ca_kabuli_chr01	30890117	GG	TT	1940136154
SNP_P1_10233_30890783	NC_021160.1	Ca_kabuli_chr01	30890783	AA	GG	1940136155
SNP_P1_10234_30890804	NC_021160.1	Ca_kabuli_chr01	30890804	GG	AA	1940136156
SNP_P1_10235_30890815	NC_021160.1	Ca_kabuli_chr01	30890815	AA	GG	1940136157
SNP_P1_10236_30905766	NC_021160.1	Ca_kabuli_chr01	30905766	AA	TT	1940136158
SNP_P1_10237_30917511	NC_021160.1	Ca_kabuli_chr01	30917511	GG	AA	1940136159
SNP_P1_10239_30918686	NC_021160.1	Ca_kabuli_chr01	30918686	GG	CC	1940136160
SNP_P1_10241_30921048	NC_021160.1	Ca_kabuli_chr01	30921048	GG	AA	1940136161
SNP_P1_10242_30922814	NC_021160.1	Ca_kabuli_chr01	30922814	CC	GG	1940136162
SNP_P1_10243_30923723	NC_021160.1	Ca_kabuli_chr01	30923723	AA	TT	1940136163
SNP_P1_10244_30926726	NC_021160.1	Ca_kabuli_chr01	30926726	AA	GG	1940136164
SNP_P1_10245_30926882	NC_021160.1	Ca_kabuli_chr01	30926882	CC	GG	1940136165
SNP_P1_10246_30926948	NC_021160.1	Ca_kabuli_chr01	30926948	AA	GG	1940136166
SNP_P1_10247_30927888	NC_021160.1	Ca_kabuli_chr01	30927888	GG	AA	1940136167
SNP_P1_10248_30929899	NC_021160.1	Ca_kabuli_chr01	30929899	GG	AA	1940136168
SNP_P1_10249_30934025	NC_021160.1	Ca_kabuli_chr01	30934025	TT	CC	1940136169
SNP_P1_10250_30934038	NC_021160.1	Ca_kabuli_chr01	30934038	AA	GG	1940136171
SNP_P1_10251_30934308	NC_021160.1	Ca_kabuli_chr01	30934308	AA	GG	1940136172
SNP_P1_10252_30934372	NC_021160.1	Ca_kabuli_chr01	30934372	GG	TT	1940136173
SNP_P1_10253_30934390	NC_021160.1	Ca_kabuli_chr01	30934390	AA	GG	1940136174
SNP_P1_10254_30934451	NC_021160.1	Ca_kabuli_chr01	30934451	AA	GG	1940136175
SNP_P1_10255_30934491	NC_021160.1	Ca_kabuli_chr01	30934491	GG	TT	1940136176
SNP_P1_10256_30934585	NC_021160.1	Ca_kabuli_chr01	30934585	TT	CC	1940136177

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10258_30935572	NC_021160.1	Ca_kabuli_chr01	30935572	GG	AA	1940136179
SNP_P1_10259_30935990	NC_021160.1	Ca_kabuli_chr01	30935990	AA	GG	1940136180
SNP_P1_10260_30937913	NC_021160.1	Ca_kabuli_chr01	30937913	CC	TT	1940136181
SNP_P1_10261_30937951	NC_021160.1	Ca_kabuli_chr01	30937951	GG	AA	1940136182
SNP_P1_10262_30938094	NC_021160.1	Ca_kabuli_chr01	30938094	TT	CC	1940136183
SNP_P1_10263_30938106	NC_021160.1	Ca_kabuli_chr01	30938106	TT	CC	1940136184
SNP_P1_10264_30938125	NC_021160.1	Ca_kabuli_chr01	30938125	GG	TT	1940136185
SNP_P1_10265_30938197	NC_021160.1	Ca_kabuli_chr01	30938197	AA	GG	1940136186
SNP_P1_10266_30938199	NC_021160.1	Ca_kabuli_chr01	30938199	TT	CC	1940136187
SNP_P1_10267_30938210	NC_021160.1	Ca_kabuli_chr01	30938210	TT	CC	1940136188
SNP_P1_10268_30938407	NC_021160.1	Ca_kabuli_chr01	30938407	GG	CC	1940136189
SNP_P1_10270_30938583	NC_021160.1	Ca_kabuli_chr01	30938583	TT	AA	1940136190
SNP_P1_10271_30938607	NC_021160.1	Ca_kabuli_chr01	30938607	CC	TT	1940136191
SNP_P1_10272_30942924	NC_021160.1	Ca_kabuli_chr01	30942924	CC	TT	1940136193
SNP_P1_10273_30943929	NC_021160.1	Ca_kabuli_chr01	30943929	CC	TT	1940136194
SNP_P1_10275_30945520	NC_021160.1	Ca_kabuli_chr01	30945520	AA	GG	1940136195
SNP_P1_10276_30945972	NC_021160.1	Ca_kabuli_chr01	30945972	GG	AA	1940136196
SNP_P1_10277_30946182	NC_021160.1	Ca_kabuli_chr01	30946182	CC	GG	1940136197
SNP_P1_10278_30946195	NC_021160.1	Ca_kabuli_chr01	30946195	AA	GG	1940136198
SNP_P1_10279_30946231	NC_021160.1	Ca_kabuli_chr01	30946231	AA	GG	1940136199
SNP_P1_10280_30956335	NC_021160.1	Ca_kabuli_chr01	30956335	GG	TT	1940136200
SNP_P1_10281_30956418	NC_021160.1	Ca_kabuli_chr01	30956418	TT	CC	1940136201
SNP_P1_10282_30956632	NC_021160.1	Ca_kabuli_chr01	30956632	AA	GG	1940136202
SNP_P1_10283_30956643	NC_021160.1	Ca_kabuli_chr01	30956643	TT	CC	1940136203
SNP_P1_10284_30957000	NC_021160.1	Ca_kabuli_chr01	30957000	GG	CC	1940136204
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SNP_P1_10286_30960475	NC_021160.1	Ca_kabuli_chr01	30960475	CC	AA	1940136207
SNP_P1_10287_30960535	NC_021160.1	Ca_kabuli_chr01	30960535	AA	CC	1940136208
SNP_P1_10288_30961427	NC_021160.1	Ca_kabuli_chr01	30961427	GG	AA	1940136209
SNP_P1_10289_30963760	NC_021160.1	Ca_kabuli_chr01	30963760	AA	CC	1940136210
SNP_P1_10290_30966911	NC_021160.1	Ca_kabuli_chr01	30966911	GG	TT	1940136211
SNP_P1_10291_30968577	NC_021160.1	Ca_kabuli_chr01	30968577	AA	GG	1940136212
SNP_P1_10292_30968603	NC_021160.1	Ca_kabuli_chr01	30968603	AA	TT	1940136213
SNP_P1_10293_30968630	NC_021160.1	Ca_kabuli_chr01	30968630	TT	AA	1940136214
SNP_P1_10297_30972778	NC_021160.1	Ca_kabuli_chr01	30972778	CC	TT	1940136215
SNP_P1_10298_30977364	NC_021160.1	Ca_kabuli_chr01	30977364	CC	TT	1940136216
SNP_P1_10299_30979410	NC_021160.1	Ca_kabuli_chr01	30979410	GG	AA	1940136217
SNP_P1_10300_30982977	NC_021160.1	Ca_kabuli_chr01	30982977	GG	CC	1940136218
SNP_P1_10302_30984480	NC_021160.1	Ca_kabuli_chr01	30984480	AA	GG	1940136219
SNP_P1_10303_30986102	NC_021160.1	Ca_kabuli_chr01	30986102	AA	TT	1940136221
SNP_P1_10304_30986982	NC_021160.1	Ca_kabuli_chr01	30986982	TT	AA	1940136222

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10307_30990845	NC_021160.1	Ca_kabuli_chr01	30990845	GG	TT	1940136225
SNP_P1_10308_30991368	NC_021160.1	Ca_kabuli_chr01	30991368	GG	AA	1940136226
SNP_P1_10309_30991537	NC_021160.1	Ca_kabuli_chr01	30991537	TT	GG	1940136227
SNP_P1_10311_30993420	NC_021160.1	Ca_kabuli_chr01	30993420	GG	AA	1940136228
SNP_P1_10312_30995000	NC_021160.1	Ca_kabuli_chr01	30995000	TT	AA	1940136229
SNP_P1_10313_30996914	NC_021160.1	Ca_kabuli_chr01	30996914	GG	AA	1940136230
SNP_P1_10315_31004002	NC_021160.1	Ca_kabuli_chr01	31004002	AA	GG	1940136231
SNP_P1_10316_31004550	NC_021160.1	Ca_kabuli_chr01	31004550	AA	GG	1940136232
SNP_P1_10317_31006610	NC_021160.1	Ca_kabuli_chr01	31006610	TT	GG	1940136233
SNP_P1_10318_31010293	NC_021160.1	Ca_kabuli_chr01	31010293	AA	TT	1940136234
SNP_P1_10319_31012213	NC_021160.1	Ca_kabuli_chr01	31012213	GG	AA	1940136235
SNP_P1_10320_31013722	NC_021160.1	Ca_kabuli_chr01	31013722	AA	GG	1940136236
SNP_P1_10321_31013850	NC_021160.1	Ca_kabuli_chr01	31013850	CC	TT	1940136237
SNP_P1_10322_31013901	NC_021160.1	Ca_kabuli_chr01	31013901	TT	CC	1940136238
SNP_P1_10324_31017850	NC_021160.1	Ca_kabuli_chr01	31017850	CC	TT	1940136239
SNP_P1_10325_31022034	NC_021160.1	Ca_kabuli_chr01	31022034	TT	CC	1940136240
SNP_P1_10326_31022049	NC_021160.1	Ca_kabuli_chr01	31022049	GG	AA	1940136242
SNP_P1_10327_31022078	NC_021160.1	Ca_kabuli_chr01	31022078	TT	CC	1940136243
SNP_P1_10328_31022085	NC_021160.1	Ca_kabuli_chr01	31022085	AA	GG	1940136244
SNP_P1_10329_31022122	NC_021160.1	Ca_kabuli_chr01	31022122	TT	CC	1940136245
SNP_P1_10330_31022235	NC_021160.1	Ca_kabuli_chr01	31022235	TT	CC	1940136246
SNP_P1_10331_31022238	NC_021160.1	Ca_kabuli_chr01	31022238	AA	GG	1940136247
SNP_P1_10332_31022254	NC_021160.1	Ca_kabuli_chr01	31022254	CC	TT	1940136248
SNP_P1_10333_31022266	NC_021160.1	Ca_kabuli_chr01	31022266	AA	GG	1940136249
SNP_P1_10334_31022285	NC_021160.1	Ca_kabuli_chr01	31022285	TT	CC	1940136250
SNP_P1_10335_31022299	NC_021160.1	Ca_kabuli_chr01	31022299	TT	AA	1940136251
SNP_P1_10336_31022314	NC_021160.1	Ca_kabuli_chr01	31022314	AA	CC	1940136252
SNP_P1_10338_31022358	NC_021160.1	Ca_kabuli_chr01	31022358	AA	GG	1940136253
SNP_P1_10339_31022778	NC_021160.1	Ca_kabuli_chr01	31022778	TT	AA	1940136254
SNP_P1_10340_31023409	NC_021160.1	Ca_kabuli_chr01	31023409	TT	CC	1940136255
SNP_P1_10341_31023551	NC_021160.1	Ca_kabuli_chr01	31023551	CC	AA	1940136256
SNP_P1_10342_31024543	NC_021160.1	Ca_kabuli_chr01	31024543	GG	AA	1940136257
SNP_P1_10343_31050784	NC_021160.1	Ca_kabuli_chr01	31050784	TT	CC	1940136258
SNP_P1_10344_31050802	NC_021160.1	Ca_kabuli_chr01	31050802	CC	TT	1940136259
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SNP_P1_10346_31050853	NC_021160.1	Ca_kabuli_chr01	31050853	CC	TT	1940136261
SNP_P1_10347_31050871	NC_021160.1	Ca_kabuli_chr01	31050871	AA	GG	1940136262
SNP_P1_10348_31050900	NC_021160.1	Ca_kabuli_chr01	31050900	TT	CC	1940136263
SNP_P1_10349_31050928	NC_021160.1	Ca_kabuli_chr01	31050928	AA	GG	1940136264
SNP_P1_10350_31051182	NC_021160.1	Ca_kabuli_chr01	31051182	TT	CC	1940136265

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10352_31051217	NC_021160.1	Ca_kabuli_chr01	31051217	GG	AA	1940136267
SNP_P1_10353_31051246	NC_021160.1	Ca_kabuli_chr01	31051246	CC	TT	1940136268
SNP_P1_10354_31056658	NC_021160.1	Ca_kabuli_chr01	31056658	TT	AA	1940136269
SNP_P1_10355_31056934	NC_021160.1	Ca_kabuli_chr01	31056934	CC	AA	1940136270
SNP_P1_10356_31056958	NC_021160.1	Ca_kabuli_chr01	31056958	AA	TT	1940136271
SNP_P1_10357_31057076	NC_021160.1	Ca_kabuli_chr01	31057076	GG	AA	1940136272
SNP_P1_10358_31061239	NC_021160.1	Ca_kabuli_chr01	31061239	AA	GG	1940136274
SNP_P1_10359_31064946	NC_021160.1	Ca_kabuli_chr01	31064946	AA	CC	1940136275
SNP_P1_10360_31064947	NC_021160.1	Ca_kabuli_chr01	31064947	TT	AA	1940136276
SNP_P1_10361_31064952	NC_021160.1	Ca_kabuli_chr01	31064952	TT	GG	1940136277
SNP_P1_10362_31069708	NC_021160.1	Ca_kabuli_chr01	31069708	CC	GG	1940136278
SNP_P1_10363_31072851	NC_021160.1	Ca_kabuli_chr01	31072851	TT	CC	1940136279
SNP_P1_10364_31076097	NC_021160.1	Ca_kabuli_chr01	31076097	CC	TT	1940136280
SNP_P1_10365_31078685	NC_021160.1	Ca_kabuli_chr01	31078685	AA	CC	1940136281
SNP_P1_10366_31078820	NC_021160.1	Ca_kabuli_chr01	31078820	AA	TT	1940136282
SNP_P1_10367_31080870	NC_021160.1	Ca_kabuli_chr01	31080870	GG	CC	1940136283
SNP_P1_10368_31085287	NC_021160.1	Ca_kabuli_chr01	31085287	CC	AA	1940136284
SNP_P1_10371_31094416	NC_021160.1	Ca_kabuli_chr01	31094416	CC	TT	1940136285
SNP_P1_10372_31095691	NC_021160.1	Ca_kabuli_chr01	31095691	AA	TT	1940136286
SNP_P1_10373_31095692	NC_021160.1	Ca_kabuli_chr01	31095692	AA	CC	1940136287
SNP_P1_10374_31101544	NC_021160.1	Ca_kabuli_chr01	31101544	AA	GG	1940136288
SNP_P1_10375_31102088	NC_021160.1	Ca_kabuli_chr01	31102088	GG	AA	1940136289
SNP_P1_10377_31104420	NC_021160.1	Ca_kabuli_chr01	31104420	CC	TT	1940136290
SNP_P1_10378_31105263	NC_021160.1	Ca_kabuli_chr01	31105263	GG	TT	1940136291
SNP_P1_10379_31105265	NC_021160.1	Ca_kabuli_chr01	31105265	TT	GG	1940136292
SNP_P1_10380_31105272	NC_021160.1	Ca_kabuli_chr01	31105272	GG	CC	1940136293
SNP_P1_10381_31107700	NC_021160.1	Ca_kabuli_chr01	31107700	GG	TT	1940136294
SNP_P1_10382_31115204	NC_021160.1	Ca_kabuli_chr01	31115204	GG	CC	1940136295
SNP_P1_10383_31115636	NC_021160.1	Ca_kabuli_chr01	31115636	GG	CC	1940136296
SNP_P1_10384_31118513	NC_021160.1	Ca_kabuli_chr01	31118513	AA	GG	1940136297
SNP_P1_10385_31119307	NC_021160.1	Ca_kabuli_chr01	31119307	TT	AA	1940136298
SNP_P1_10387_31120305	NC_021160.1	Ca_kabuli_chr01	31120305	CC	TT	1940136299
SNP_P1_10388_31127045	NC_021160.1	Ca_kabuli_chr01	31127045	TT	GG	1940136300
SNP_P1_10389_31127046	NC_021160.1	Ca_kabuli_chr01	31127046	AA	TT	1940136301
SNP_P1_10390_31130065	NC_021160.1	Ca_kabuli_chr01	31130065	CC	TT	1940136302
SNP_P1_10392_31130837	NC_021160.1	Ca_kabuli_chr01	31130837	AA	GG	1940136303
SNP_P1_10393_31131757	NC_021160.1	Ca_kabuli_chr01	31131757	AA	GG	1940136304
SNP_P1_10394_31131820	NC_021160.1	Ca_kabuli_chr01	31131820	CC	TT	1940136305
SNP_P1_10395_31134274	NC_021160.1	Ca_kabuli_chr01	31134274	TT	CC	1940136307
SNP_P1_10396_31134462	NC_021160.1	Ca_kabuli_chr01	31134462	TT	AA	1940136308
SNP_P1_10397_31134660	NC_021160.1	Ca_kabuli_chr01	31134660	AA	GG	1940136309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10399_31139227	NC_021160.1	Ca_kabuli_chr01	31139227	CC	AA	1940136311
SNP_P1_10400_31139870	NC_021160.1	Ca_kabuli_chr01	31139870	GG	AA	1940136312
SNP_P1_10401_31141044	NC_021160.1	Ca_kabuli_chr01	31141044	GG	TT	1940136313
SNP_P1_10403_31142428	NC_021160.1	Ca_kabuli_chr01	31142428	GG	AA	1940136314
SNP_P1_10404_31144251	NC_021160.1	Ca_kabuli_chr01	31144251	GG	CC	1940136315
SNP_P1_10405_31144615	NC_021160.1	Ca_kabuli_chr01	31144615	CC	AA	1940136316
SNP_P1_10406_31147026	NC_021160.1	Ca_kabuli_chr01	31147026	CC	TT	1940136317
SNP_P1_10408_31150655	NC_021160.1	Ca_kabuli_chr01	31150655	AA	TT	1940136318
SNP_P1_10409_31151163	NC_021160.1	Ca_kabuli_chr01	31151163	CC	AA	1940136319
SNP_P1_10411_31162897	NC_021160.1	Ca_kabuli_chr01	31162897	AA	TT	1940136320
SNP_P1_10412_31162909	NC_021160.1	Ca_kabuli_chr01	31162909	AA	TT	1940136321
SNP_P1_10413_31162917	NC_021160.1	Ca_kabuli_chr01	31162917	AA	CC	1940136322
SNP_P1_10414_31162948	NC_021160.1	Ca_kabuli_chr01	31162948	GG	AA	1940136323
SNP_P1_10415_31162952	NC_021160.1	Ca_kabuli_chr01	31162952	CC	GG	1940136324
SNP_P1_10417_31163570	NC_021160.1	Ca_kabuli_chr01	31163570	TT	CC	1940136325
SNP_P1_10418_31163605	NC_021160.1	Ca_kabuli_chr01	31163605	GG	AA	1940136326
SNP_P1_10419_31166407	NC_021160.1	Ca_kabuli_chr01	31166407	TT	GG	1940136327
SNP_P1_10420_31167102	NC_021160.1	Ca_kabuli_chr01	31167102	CC	TT	1940136328
SNP_P1_10421_31168141	NC_021160.1	Ca_kabuli_chr01	31168141	AA	GG	1940136329
SNP_P1_10422_31170481	NC_021160.1	Ca_kabuli_chr01	31170481	TT	CC	1940136330
SNP_P1_10423_31173355	NC_021160.1	Ca_kabuli_chr01	31173355	CC	GG	1940136331
SNP_P1_10424_31173790	NC_021160.1	Ca_kabuli_chr01	31173790	TT	GG	1940136332
SNP_P1_10425_31174374	NC_021160.1	Ca_kabuli_chr01	31174374	AA	GG	1940136333
SNP_P1_10426_31181453	NC_021160.1	Ca_kabuli_chr01	31181453	AA	GG	1940136334
SNP_P1_10427_31183825	NC_021160.1	Ca_kabuli_chr01	31183825	CC	GG	1940136335
SNP_P1_10428_31184175	NC_021160.1	Ca_kabuli_chr01	31184175	CC	AA	1940136336
SNP_P1_10429_31184209	NC_021160.1	Ca_kabuli_chr01	31184209	CC	TT	1940136337
SNP_P1_10430_31184264	NC_021160.1	Ca_kabuli_chr01	31184264	CC	GG	1940136338
SNP_P1_10431_31185364	NC_021160.1	Ca_kabuli_chr01	31185364	GG	TT	1940136339
SNP_P1_10432_31185614	NC_021160.1	Ca_kabuli_chr01	31185614	AA	GG	1940136340
SNP_P1_10433_31185630	NC_021160.1	Ca_kabuli_chr01	31185630	AA	GG	1940136342
SNP_P1_10434_31185950	NC_021160.1	Ca_kabuli_chr01	31185950	TT	CC	1940136343
SNP_P1_10435_31185962	NC_021160.1	Ca_kabuli_chr01	31185962	AA	GG	1940136344
SNP_P1_10436_31185981	NC_021160.1	Ca_kabuli_chr01	31185981	TT	CC	1940136345
SNP_P1_10437_31187159	NC_021160.1	Ca_kabuli_chr01	31187159	AA	TT	1940136346
SNP_P1_10438_31187678	NC_021160.1	Ca_kabuli_chr01	31187678	CC	TT	1940136347
SNP_P1_10439_31187696	NC_021160.1	Ca_kabuli_chr01	31187696	AA	GG	1940136348
SNP_P1_10440_31187697	NC_021160.1	Ca_kabuli_chr01	31187697	GG	TT	1940136349
SNP_P1_10441_31188525	NC_021160.1	Ca_kabuli_chr01	31188525	CC	TT	1940136350
SNP_P1_10442_31189832	NC_021160.1	Ca_kabuli_chr01	31189832	AA	GG	1940136351
SNP_P1_10443_31189899	NC_021160.1	Ca_kabuli_chr01	31189899	AA	GG	1940136352

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10445_31193740	NC_021160.1	Ca_kabuli_chr01	31193740	AA	CC	1940136354
SNP_P1_10446_31198812	NC_021160.1	Ca_kabuli_chr01	31198812	TT	CC	1940136355
SNP_P1_10447_31199031	NC_021160.1	Ca_kabuli_chr01	31199031	AA	GG	1940136357
SNP_P1_10448_31199114	NC_021160.1	Ca_kabuli_chr01	31199114	TT	GG	1940136358
SNP_P1_10449_31200591	NC_021160.1	Ca_kabuli_chr01	31200591	GG	AA	1940136359
SNP_P1_10450_31201242	NC_021160.1	Ca_kabuli_chr01	31201242	AA	TT	1940136360
SNP_P1_10451_31201249	NC_021160.1	Ca_kabuli_chr01	31201249	TT	AA	1940136361
SNP_P1_10452_31201356	NC_021160.1	Ca_kabuli_chr01	31201356	AA	GG	1940136362
SNP_P1_10453_31201538	NC_021160.1	Ca_kabuli_chr01	31201538	TT	CC	1940136363
SNP_P1_10454_31204269	NC_021160.1	Ca_kabuli_chr01	31204269	CC	TT	1940136364
SNP_P1_10455_31205164	NC_021160.1	Ca_kabuli_chr01	31205164	CC	TT	1940136365
SNP_P1_10456_31205345	NC_021160.1	Ca_kabuli_chr01	31205345	CC	AA	1940136366
SNP_P1_10458_31206215	NC_021160.1	Ca_kabuli_chr01	31206215	CC	TT	1940136367
SNP_P1_10459_31206480	NC_021160.1	Ca_kabuli_chr01	31206480	AA	TT	1940136368
SNP_P1_10460_31206827	NC_021160.1	Ca_kabuli_chr01	31206827	CC	TT	1940136369
SNP_P1_10461_31207366	NC_021160.1	Ca_kabuli_chr01	31207366	TT	GG	1940136370
SNP_P1_10462_31211547	NC_021160.1	Ca_kabuli_chr01	31211547	AA	GG	1940136371
SNP_P1_10463_31211580	NC_021160.1	Ca_kabuli_chr01	31211580	CC	TT	1940136372
SNP_P1_10464_31214617	NC_021160.1	Ca_kabuli_chr01	31214617	AA	TT	1940136373
SNP_P1_10465_31215970	NC_021160.1	Ca_kabuli_chr01	31215970	AA	CC	1940136374
SNP_P1_10467_31217269	NC_021160.1	Ca_kabuli_chr01	31217269	AA	TT	1940136375
SNP_P1_10468_31217731	NC_021160.1	Ca_kabuli_chr01	31217731	AA	GG	1940136376
SNP_P1_10469_31217742	NC_021160.1	Ca_kabuli_chr01	31217742	AA	CC	1940136377
SNP_P1_10470_31218110	NC_021160.1	Ca_kabuli_chr01	31218110	AA	GG	1940136378
SNP_P1_10471_31218387	NC_021160.1	Ca_kabuli_chr01	31218387	TT	AA	1940136379
SNP_P1_10472_31218396	NC_021160.1	Ca_kabuli_chr01	31218396	GG	TT	1940136380
SNP_P1_10473_31218464	NC_021160.1	Ca_kabuli_chr01	31218464	CC	AA	1940136381
SNP_P1_10474_31218465	NC_021160.1	Ca_kabuli_chr01	31218465	TT	CC	1940136382
SNP_P1_10475_31218668	NC_021160.1	Ca_kabuli_chr01	31218668	CC	TT	1940136383
SNP_P1_10476_31218677	NC_021160.1	Ca_kabuli_chr01	31218677	AA	CC	1940136384
SNP_P1_10477_31218761	NC_021160.1	Ca_kabuli_chr01	31218761	GG	TT	1940136385
SNP_P1_10478_31218768	NC_021160.1	Ca_kabuli_chr01	31218768	GG	TT	1940136386
SNP_P1_10480_31218869	NC_021160.1	Ca_kabuli_chr01	31218869	AA	GG	1940136387
SNP_P1_10481_31219017	NC_021160.1	Ca_kabuli_chr01	31219017	CC	TT	1940136388
SNP_P1_10482_31223636	NC_021160.1	Ca_kabuli_chr01	31223636	CC	TT	1940136389
SNP_P1_10483_31224013	NC_021160.1	Ca_kabuli_chr01	31224013	AA	TT	1940136390
SNP_P1_10484_31224151	NC_021160.1	Ca_kabuli_chr01	31224151	CC	TT	1940136391
SNP_P1_10485_31224986	NC_021160.1	Ca_kabuli_chr01	31224986	GG	TT	1940136392
SNP_P1_10486_31225907	NC_021160.1	Ca_kabuli_chr01	31225907	GG	AA	1940136393
SNP_P1_10487_31225965	NC_021160.1	Ca_kabuli_chr01	31225965	CC	TT	1940136394
SNP_P1_10488_31225967	NC_021160.1	Ca_kabuli_chr01	31225967	GG	AA	1940136395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10491_31232956	NC_021160.1	Ca_kabuli_chr01	31232956	CC	AA	1940136398
SNP_P1_10492_31233459	NC_021160.1	Ca_kabuli_chr01	31233459	AA	GG	1940136399
SNP_P1_10493_31234137	NC_021160.1	Ca_kabuli_chr01	31234137	GG	AA	1940136400
SNP_P1_10495_31236022	NC_021160.1	Ca_kabuli_chr01	31236022	CC	TT	1940136401
SNP_P1_10496_31236289	NC_021160.1	Ca_kabuli_chr01	31236289	CC	TT	1940136403
SNP_P1_10497_31237254	NC_021160.1	Ca_kabuli_chr01	31237254	TT	AA	1940136404
SNP_P1_10498_31237257	NC_021160.1	Ca_kabuli_chr01	31237257	GG	AA	1940136405
SNP_P1_10500_31249755	NC_021160.1	Ca_kabuli_chr01	31249755	TT	GG	1940136406
SNP_P1_10501_31249898	NC_021160.1	Ca_kabuli_chr01	31249898	AA	TT	1940136407
SNP_P1_10502_31250001	NC_021160.1	Ca_kabuli_chr01	31250001	AA	GG	1940136408
SNP_P1_10503_31253242	NC_021160.1	Ca_kabuli_chr01	31253242	TT	CC	1940136409
SNP_P1_10504_31253934	NC_021160.1	Ca_kabuli_chr01	31253934	TT	CC	1940136410
SNP_P1_10505_31255311	NC_021160.1	Ca_kabuli_chr01	31255311	AA	GG	1940136411
SNP_P1_10507_31259642	NC_021160.1	Ca_kabuli_chr01	31259642	GG	AA	1940136412
SNP_P1_10508_31260451	NC_021160.1	Ca_kabuli_chr01	31260451	AA	GG	1940136413
SNP_P1_10509_31265235	NC_021160.1	Ca_kabuli_chr01	31265235	TT	CC	1940136414
SNP_P1_10510_31265508	NC_021160.1	Ca_kabuli_chr01	31265508	TT	CC	1940136415
SNP_P1_10511_31267116	NC_021160.1	Ca_kabuli_chr01	31267116	GG	CC	1940136416
SNP_P1_10512_31279515	NC_021160.1	Ca_kabuli_chr01	31279515	AA	GG	1940136417
SNP_P1_10513_31279737	NC_021160.1	Ca_kabuli_chr01	31279737	CC	TT	1940136418
SNP_P1_10514_31280968	NC_021160.1	Ca_kabuli_chr01	31280968	TT	CC	1940136419
SNP_P1_10515_31281426	NC_021160.1	Ca_kabuli_chr01	31281426	TT	CC	1940136420
SNP_P1_10516_31281487	NC_021160.1	Ca_kabuli_chr01	31281487	TT	CC	1940136421
SNP_P1_10517_31284304	NC_021160.1	Ca_kabuli_chr01	31284304	TT	AA	1940136422
SNP_P1_10518_31286271	NC_021160.1	Ca_kabuli_chr01	31286271	GG	TT	1940136423
SNP_P1_10519_31286272	NC_021160.1	Ca_kabuli_chr01	31286272	AA	GG	1940136424
SNP_P1_10520_31293107	NC_021160.1	Ca_kabuli_chr01	31293107	AA	GG	1940136425
SNP_P1_10521_31304965	NC_021160.1	Ca_kabuli_chr01	31304965	GG	AA	1940136426
SNP_P1_10522_31305194	NC_021160.1	Ca_kabuli_chr01	31305194	CC	AA	1940136427
SNP_P1_10524_31307322	NC_021160.1	Ca_kabuli_chr01	31307322	GG	AA	1940136428
SNP_P1_10525_31307549	NC_021160.1	Ca_kabuli_chr01	31307549	AA	GG	1940136429
SNP_P1_10526_31307700	NC_021160.1	Ca_kabuli_chr01	31307700	AA	GG	1940136430
SNP_P1_10527_31307717	NC_021160.1	Ca_kabuli_chr01	31307717	GG	AA	1940136431
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SNP_P1_10529_31307879	NC_021160.1	Ca_kabuli_chr01	31307879	AA	GG	1940136433
SNP_P1_10530_31308037	NC_021160.1	Ca_kabuli_chr01	31308037	AA	TT	1940136434
SNP_P1_10531_31308038	NC_021160.1	Ca_kabuli_chr01	31308038	AA	TT	1940136435
SNP_P1_10532_31308596	NC_021160.1	Ca_kabuli_chr01	31308596	AA	GG	1940136436
SNP_P1_10533_31309226	NC_021160.1	Ca_kabuli_chr01	31309226	CC	GG	1940136437
SNP_P1_10534_31310323	NC_021160.1	Ca_kabuli_chr01	31310323	TT	GG	1940136438

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10536_31310346	NC_021160.1	Ca_kabuli_chr01	31310346	CC	TT	1940136440
SNP_P1_10537_31310412	NC_021160.1	Ca_kabuli_chr01	31310412	CC	TT	1940136441
SNP_P1_10538_31310498	NC_021160.1	Ca_kabuli_chr01	31310498	TT	AA	1940136442
SNP_P1_10539_31310535	NC_021160.1	Ca_kabuli_chr01	31310535	AA	GG	1940136443
SNP_P1_10541_31319042	NC_021160.1	Ca_kabuli_chr01	31319042	CC	GG	1940136444
SNP_P1_10542_31319954	NC_021160.1	Ca_kabuli_chr01	31319954	TT	CC	1940136445
SNP_P1_10543_31320091	NC_021160.1	Ca_kabuli_chr01	31320091	CC	TT	1940136446
SNP_P1_10545_31324229	NC_021160.1	Ca_kabuli_chr01	31324229	TT	CC	1940136447
SNP_P1_10546_31328324	NC_021160.1	Ca_kabuli_chr01	31328324	CC	AA	1940136448
SNP_P1_10547_31329542	NC_021160.1	Ca_kabuli_chr01	31329542	AA	TT	1940136449
SNP_P1_10548_31337119	NC_021160.1	Ca_kabuli_chr01	31337119	CC	TT	1940136450
SNP_P1_10549_31338132	NC_021160.1	Ca_kabuli_chr01	31338132	CC	AA	1940136451
SNP_P1_10550_31340160	NC_021160.1	Ca_kabuli_chr01	31340160	TT	CC	1940136452
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SNP_P1_10552_31340821	NC_021160.1	Ca_kabuli_chr01	31340821	CC	AA	1940136454
SNP_P1_10553_31340822	NC_021160.1	Ca_kabuli_chr01	31340822	TT	CC	1940136455
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SNP_P1_10557_31347210	NC_021160.1	Ca_kabuli_chr01	31347210	GG	AA	1940136459
SNP_P1_10558_31347256	NC_021160.1	Ca_kabuli_chr01	31347256	AA	GG	1940136460
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SNP_P1_10560_31357328	NC_021160.1	Ca_kabuli_chr01	31357328	AA	GG	1940136462
SNP_P1_10561_31357337	NC_021160.1	Ca_kabuli_chr01	31357337	AA	GG	1940136463
SNP_P1_10562_31357801	NC_021160.1	Ca_kabuli_chr01	31357801	TT	AA	1940136464
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SNP_P1_10571_31393408	NC_021160.1	Ca_kabuli_chr01	31393408	AA	TT	1940136471
SNP_P1_10573_31398241	NC_021160.1	Ca_kabuli_chr01	31398241	TT	CC	1940136472
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SNP_P1_10576_31401561	NC_021160.1	Ca_kabuli_chr01	31401561	AA	GG	1940136474
SNP_P1_10577_31407621	NC_021160.1	Ca_kabuli_chr01	31407621	GG	AA	1940136475
SNP_P1_10578_31410671	NC_021160.1	Ca_kabuli_chr01	31410671	CC	AA	1940136476
SNP_P1_10579_31417546	NC_021160.1	Ca_kabuli_chr01	31417546	AA	TT	1940136477
SNP_P1_10580_31421721	NC_021160.1	Ca_kabuli_chr01	31421721	GG	AA	1940136478
SNP_P1_10582_31428870	NC_021160.1	Ca_kabuli_chr01	31428870	GG	TT	1940136479
SNP_P1_10583_31430371	NC_021160.1	Ca_kabuli_chr01	31430371	TT	CC	1940136480
SNP_P1_10584_31435962	NC_021160.1	Ca_kabuli_chr01	31435962	GG	CC	1940136481

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10587_31441185	NC_021160.1	Ca_kabuli_chr01	31441185	CC	TT	1940136484
SNP_P1_10589_31442975	NC_021160.1	Ca_kabuli_chr01	31442975	TT	CC	1940136485
SNP_P1_10590_31442994	NC_021160.1	Ca_kabuli_chr01	31442994	AA	CC	1940136486
SNP_P1_10591_31443672	NC_021160.1	Ca_kabuli_chr01	31443672	AA	CC	1940136487
SNP_P1_10592_31443967	NC_021160.1	Ca_kabuli_chr01	31443967	TT	CC	1940136488
SNP_P1_10593_31443968	NC_021160.1	Ca_kabuli_chr01	31443968	TT	CC	1940136489
SNP_P1_10594_31448079	NC_021160.1	Ca_kabuli_chr01	31448079	GG	TT	1940136490
SNP_P1_10595_31448115	NC_021160.1	Ca_kabuli_chr01	31448115	AA	TT	1940136491
SNP_P1_10596_31450553	NC_021160.1	Ca_kabuli_chr01	31450553	TT	AA	1940136492
SNP_P1_10597_31450976	NC_021160.1	Ca_kabuli_chr01	31450976	AA	GG	1940136493
SNP_P1_10599_31455089	NC_021160.1	Ca_kabuli_chr01	31455089	GG	AA	1940136494
SNP_P1_10600_31455568	NC_021160.1	Ca_kabuli_chr01	31455568	CC	TT	1940136495
SNP_P1_10601_31456524	NC_021160.1	Ca_kabuli_chr01	31456524	TT	AA	1940136496
SNP_P1_10602_31456531	NC_021160.1	Ca_kabuli_chr01	31456531	TT	GG	1940136497
SNP_P1_10603_31458600	NC_021160.1	Ca_kabuli_chr01	31458600	AA	CC	1940136498
SNP_P1_10604_31459036	NC_021160.1	Ca_kabuli_chr01	31459036	AA	GG	1940136499
SNP_P1_10605_31461393	NC_021160.1	Ca_kabuli_chr01	31461393	GG	AA	1940136500
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SNP_P1_10608_31466789	NC_021160.1	Ca_kabuli_chr01	31466789	TT	CC	1940136503
SNP_P1_10609_31474471	NC_021160.1	Ca_kabuli_chr01	31474471	AA	CC	1940136504
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SNP_P1_10612_31475447	NC_021160.1	Ca_kabuli_chr01	31475447	TT	GG	1940136507
SNP_P1_10613_31477590	NC_021160.1	Ca_kabuli_chr01	31477590	AA	TT	1940136508
SNP_P1_10616_31480390	NC_021160.1	Ca_kabuli_chr01	31480390	CC	TT	1940136509
SNP_P1_10617_31482201	NC_021160.1	Ca_kabuli_chr01	31482201	TT	CC	1940136510
SNP_P1_10618_31482375	NC_021160.1	Ca_kabuli_chr01	31482375	TT	AA	1940136512
SNP_P1_10619_31482686	NC_021160.1	Ca_kabuli_chr01	31482686	TT	GG	1940136513
SNP_P1_10620_31484976	NC_021160.1	Ca_kabuli_chr01	31484976	AA	GG	1940136514
SNP_P1_10621_31487237	NC_021160.1	Ca_kabuli_chr01	31487237	CC	TT	1940136515
SNP_P1_10622_31491125	NC_021160.1	Ca_kabuli_chr01	31491125	AA	GG	1940136516
SNP_P1_10623_31491537	NC_021160.1	Ca_kabuli_chr01	31491537	AA	GG	1940136517
SNP_P1_10624_31493683	NC_021160.1	Ca_kabuli_chr01	31493683	TT	CC	1940136518
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SNP_P1_10626_31494217	NC_021160.1	Ca_kabuli_chr01	31494217	GG	AA	1940136520
SNP_P1_10627_31495076	NC_021160.1	Ca_kabuli_chr01	31495076	CC	TT	1940136521
SNP_P1_10628_31497880	NC_021160.1	Ca_kabuli_chr01	31497880	AA	GG	1940136522
SNP_P1_10630_31499014	NC_021160.1	Ca_kabuli_chr01	31499014	AA	GG	1940136523
SNP_P1_10633_31506434	NC_021160.1	Ca_kabuli_chr01	31506434	AA	GG	1940136524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10637_31526252	NC_021160.1	Ca_kabuli_chr01	31526252	CC	AA	1940136527
SNP_P1_10638_31544293	NC_021160.1	Ca_kabuli_chr01	31544293	AA	GG	1940136528
SNP_P1_10639_31544294	NC_021160.1	Ca_kabuli_chr01	31544294	GG	TT	1940136529
SNP_P1_10640_31548863	NC_021160.1	Ca_kabuli_chr01	31548863	GG	AA	1940136530
SNP_P1_10641_31558759	NC_021160.1	Ca_kabuli_chr01	31558759	TT	AA	1940136531
SNP_P1_10642_31559894	NC_021160.1	Ca_kabuli_chr01	31559894	TT	CC	1940136532
SNP_P1_10643_31560750	NC_021160.1	Ca_kabuli_chr01	31560750	GG	AA	1940136533
SNP_P1_10644_31565055	NC_021160.1	Ca_kabuli_chr01	31565055	CC	TT	1940136534
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SNP_P1_10646_31568011	NC_021160.1	Ca_kabuli_chr01	31568011	TT	AA	1940136536
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SNP_P1_10648_31570650	NC_021160.1	Ca_kabuli_chr01	31570650	CC	TT	1940136538
SNP_P1_10649_31570659	NC_021160.1	Ca_kabuli_chr01	31570659	AA	TT	1940136539
SNP_P1_10650_31572254	NC_021160.1	Ca_kabuli_chr01	31572254	TT	CC	1940136540
SNP_P1_10651_31579987	NC_021160.1	Ca_kabuli_chr01	31579987	CC	TT	1940136541
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SNP_P1_10657_31583052	NC_021160.1	Ca_kabuli_chr01	31583052	CC	TT	1940136546
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SNP_P1_10664_31585048	NC_021160.1	Ca_kabuli_chr01	31585048	CC	TT	1940136553
SNP_P1_10665_31585181	NC_021160.1	Ca_kabuli_chr01	31585181	TT	AA	1940136554
SNP_P1_10666_31585187	NC_021160.1	Ca_kabuli_chr01	31585187	CC	GG	1940136555
SNP_P1_10667_31585227	NC_021160.1	Ca_kabuli_chr01	31585227	AA	TT	1940136556
SNP_P1_10668_31585266	NC_021160.1	Ca_kabuli_chr01	31585266	AA	CC	1940136557
SNP_P1_10669_31586184	NC_021160.1	Ca_kabuli_chr01	31586184	GG	TT	1940136558
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SNP_P1_10678_31592670	NC_021160.1	Ca_kabuli_chr01	31592670	AA	GG	1940136563
SNP_P1_10679_31592787	NC_021160.1	Ca_kabuli_chr01	31592787	TT	CC	1940136564
SNP_P1_10680_31595855	NC_021160.1	Ca_kabuli_chr01	31595855	TT	CC	1940136565
SNP_P1_10681_31596173	NC_021160.1	Ca_kabuli_chr01	31596173	AA	TT	1940136566

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10684_31599512	NC_021160.1	Ca_kabuli_chr01	31599512	TT	CC	1940136570
SNP_P1_10685_31599532	NC_021160.1	Ca_kabuli_chr01	31599532	AA	GG	1940136571
SNP_P1_10686_31599546	NC_021160.1	Ca_kabuli_chr01	31599546	TT	GG	1940136572
SNP_P1_10687_31599560	NC_021160.1	Ca_kabuli_chr01	31599560	TT	CC	1940136573
SNP_P1_10688_31599582	NC_021160.1	Ca_kabuli_chr01	31599582	TT	AA	1940136574
SNP_P1_10689_31599612	NC_021160.1	Ca_kabuli_chr01	31599612	TT	GG	1940136575
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SNP_P1_10691_31599834	NC_021160.1	Ca_kabuli_chr01	31599834	CC	GG	1940136577
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SNP_P1_10698_31600535	NC_021160.1	Ca_kabuli_chr01	31600535	GG	TT	1940136584
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SNP_P1_10704_31606440	NC_021160.1	Ca_kabuli_chr01	31606440	AA	GG	1940136589
SNP_P1_10705_31606564	NC_021160.1	Ca_kabuli_chr01	31606564	CC	AA	1940136590
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SNP_P1_10713_31627028	NC_021160.1	Ca_kabuli_chr01	31627028	AA	GG	1940136598
SNP_P1_10714_31627067	NC_021160.1	Ca_kabuli_chr01	31627067	GG	CC	1940136599
SNP_P1_10715_31627102	NC_021160.1	Ca_kabuli_chr01	31627102	CC	TT	1940136600
SNP_P1_10716_31627342	NC_021160.1	Ca_kabuli_chr01	31627342	CC	TT	1940136601
SNP_P1_10717_31627366	NC_021160.1	Ca_kabuli_chr01	31627366	GG	AA	1940136602
SNP_P1_10718_31627410	NC_021160.1	Ca_kabuli_chr01	31627410	GG	AA	1940136603
SNP_P1_10719_31627429	NC_021160.1	Ca_kabuli_chr01	31627429	CC	TT	1940136604
SNP_P1_10720_31627507	NC_021160.1	Ca_kabuli_chr01	31627507	CC	TT	1940136605
SNP_P1_10721_31627508	NC_021160.1	Ca_kabuli_chr01	31627508	CC	TT	1940136606
SNP_P1_10722_31627512	NC_021160.1	Ca_kabuli_chr01	31627512	AA	GG	1940136607
SNP_P1_10723_31627522	NC_021160.1	Ca_kabuli_chr01	31627522	TT	GG	1940136608
SNP_P1_10724_31627536	NC_021160.1	Ca_kabuli_chr01	31627536	CC	TT	1940136609

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_10725_31627537	NC_021160.1	Ca_kabuli_chr01	31627537	AA	GG	1940136610
SNP_P1_10726_31627547	NC_021160.1	Ca_kabuli_chr01	31627547	GG	TT	1940136611
SNP_P1_10727_31627563	NC_021160.1	Ca_kabuli_chr01	31627563	CC	AA	1940136612
SNP_P1_10728_31627605	NC_021160.1	Ca_kabuli_chr01	31627605	GG	TT	1940136613
SNP_P1_10729_31627619	NC_021160.1	Ca_kabuli_chr01	31627619	CC	GG	1940136614
SNP_P1_10730_31627621	NC_021160.1	Ca_kabuli_chr01	31627621	GG	TT	1940136615
SNP_P1_10731_31627689	NC_021160.1	Ca_kabuli_chr01	31627689	AA	GG	1940136616
SNP_P1_10732_31627733	NC_021160.1	Ca_kabuli_chr01	31627733	TT	CC	1940136617
SNP_P1_10733_31627736	NC_021160.1	Ca_kabuli_chr01	31627736	CC	TT	1940136618
SNP_P1_10734_31627791	NC_021160.1	Ca_kabuli_chr01	31627791	AA	TT	1940136619
SNP_P1_10735_31627793	NC_021160.1	Ca_kabuli_chr01	31627793	AA	CC	1940136620
SNP_P1_10736_31627843	NC_021160.1	Ca_kabuli_chr01	31627843	AA	TT	1940136622
SNP_P1_10737_31632032	NC_021160.1	Ca_kabuli_chr01	31632032	GG	TT	1940136623
SNP_P1_10738_31632052	NC_021160.1	Ca_kabuli_chr01	31632052	CC	TT	1940136624
SNP_P1_10739_31632107	NC_021160.1	Ca_kabuli_chr01	31632107	GG	TT	1940136625
SNP_P1_10740_31632642	NC_021160.1	Ca_kabuli_chr01	31632642	AA	CC	1940136626
SNP_P1_10741_31632702	NC_021160.1	Ca_kabuli_chr01	31632702	AA	GG	1940136627
SNP_P1_10742_31633132	NC_021160.1	Ca_kabuli_chr01	31633132	TT	AA	1940136628
SNP_P1_10743_31634559	NC_021160.1	Ca_kabuli_chr01	31634559	TT	CC	1940136629
SNP_P1_10744_31639677	NC_021160.1	Ca_kabuli_chr01	31639677	TT	AA	1940136630
SNP_P1_10745_31641374	NC_021160.1	Ca_kabuli_chr01	31641374	AA	GG	1940136631
SNP_P1_10746_31641660	NC_021160.1	Ca_kabuli_chr01	31641660	AA	TT	1940136632
SNP_P1_10747_31641875	NC_021160.1	Ca_kabuli_chr01	31641875	AA	TT	1940136633
SNP_P1_10748_31642726	NC_021160.1	Ca_kabuli_chr01	31642726	GG	AA	1940136634
SNP_P1_10749_31643346	NC_021160.1	Ca_kabuli_chr01	31643346	CC	TT	1940136635
SNP_P1_10750_31643363	NC_021160.1	Ca_kabuli_chr01	31643363	GG	AA	1940136636
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SNP_P1_10752_31646004	NC_021160.1	Ca_kabuli_chr01	31646004	GG	CC	1940136638
SNP_P1_10753_31646318	NC_021160.1	Ca_kabuli_chr01	31646318	TT	GG	1940136639
SNP_P1_10754_31646785	NC_021160.1	Ca_kabuli_chr01	31646785	TT	CC	1940136640
SNP_P1_10755_31647392	NC_021160.1	Ca_kabuli_chr01	31647392	CC	TT	1940136641
SNP_P1_10756_31648781	NC_021160.1	Ca_kabuli_chr01	31648781	TT	CC	1940136642
SNP_P1_10758_31654270	NC_021160.1	Ca_kabuli_chr01	31654270	CC	TT	1940136643
SNP_P1_10759_31654494	NC_021160.1	Ca_kabuli_chr01	31654494	TT	CC	1940136644
SNP_P1_10760_31654536	NC_021160.1	Ca_kabuli_chr01	31654536	TT	CC	1940136645
SNP_P1_10761_31654854	NC_021160.1	Ca_kabuli_chr01	31654854	AA	CC	1940136646
SNP_P1_10762_31656086	NC_021160.1	Ca_kabuli_chr01	31656086	CC	TT	1940136647
SNP_P1_10763_31656647	NC_021160.1	Ca_kabuli_chr01	31656647	CC	GG	1940136648
SNP_P1_10764_31656701	NC_021160.1	Ca_kabuli_chr01	31656701	GG	AA	1940136649
SNP_P1_10765_31660204	NC_021160.1	Ca_kabuli_chr01	31660204	CC	TT	1940136650
SNP_P1_10766_31660307	NC_021160.1	Ca_kabuli_chr01	31660307	AA	GG	1940136651
SNP_P1_10767_31660929	NC_021160.1	Ca_kabuli_chr01	31660929	AA	GG	1940136652

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10769_31661757	NC_021160.1	Ca_kabuli_chr01	31661757	TT	AA	1940136654
SNP_P1_10770_31661834	NC_021160.1	Ca_kabuli_chr01	31661834	CC	GG	1940136655
SNP_P1_10771_31665860	NC_021160.1	Ca_kabuli_chr01	31665860	GG	CC	1940136656
SNP_P1_10772_31667537	NC_021160.1	Ca_kabuli_chr01	31667537	TT	AA	1940136657
SNP_P1_10773_31667915	NC_021160.1	Ca_kabuli_chr01	31667915	TT	AA	1940136658
SNP_P1_10774_31669446	NC_021160.1	Ca_kabuli_chr01	31669446	CC	GG	1940136659
SNP_P1_10775_31694511	NC_021160.1	Ca_kabuli_chr01	31694511	GG	CC	1940136660
SNP_P1_10776_31694587	NC_021160.1	Ca_kabuli_chr01	31694587	AA	GG	1940136661
SNP_P1_10777_31694588	NC_021160.1	Ca_kabuli_chr01	31694588	TT	CC	1940136662
SNP_P1_10778_31694590	NC_021160.1	Ca_kabuli_chr01	31694590	AA	GG	1940136663
SNP_P1_10779_31695381	NC_021160.1	Ca_kabuli_chr01	31695381	AA	GG	1940136664
SNP_P1_10780_31695425	NC_021160.1	Ca_kabuli_chr01	31695425	AA	GG	1940136665
SNP_P1_10781_31695485	NC_021160.1	Ca_kabuli_chr01	31695485	AA	CC	1940136666
SNP_P1_10782_31695761	NC_021160.1	Ca_kabuli_chr01	31695761	TT	GG	1940136667
SNP_P1_10783_31699792	NC_021160.1	Ca_kabuli_chr01	31699792	AA	GG	1940136668
SNP_P1_10784_31710522	NC_021160.1	Ca_kabuli_chr01	31710522	GG	AA	1940136669
SNP_P1_10785_31710532	NC_021160.1	Ca_kabuli_chr01	31710532	GG	TT	1940136670
SNP_P1_10786_31710552	NC_021160.1	Ca_kabuli_chr01	31710552	GG	TT	1940136671
SNP_P1_10787_31716139	NC_021160.1	Ca_kabuli_chr01	31716139	TT	CC	1940136673
SNP_P1_10788_31716183	NC_021160.1	Ca_kabuli_chr01	31716183	TT	AA	1940136674
SNP_P1_10790_31716482	NC_021160.1	Ca_kabuli_chr01	31716482	AA	GG	1940136675
SNP_P1_10791_31716618	NC_021160.1	Ca_kabuli_chr01	31716618	CC	GG	1940136676
SNP_P1_10792_31716633	NC_021160.1	Ca_kabuli_chr01	31716633	GG	TT	1940136677
SNP_P1_10793_31716642	NC_021160.1	Ca_kabuli_chr01	31716642	TT	CC	1940136678
SNP_P1_10794_31722244	NC_021160.1	Ca_kabuli_chr01	31722244	AA	TT	1940136679
SNP_P1_10795_31725871	NC_021160.1	Ca_kabuli_chr01	31725871	CC	TT	1940136680
SNP_P1_10796_31726016	NC_021160.1	Ca_kabuli_chr01	31726016	TT	CC	1940136681
SNP_P1_10797_31726022	NC_021160.1	Ca_kabuli_chr01	31726022	CC	TT	1940136682
SNP_P1_10798_31726028	NC_021160.1	Ca_kabuli_chr01	31726028	AA	GG	1940136683
SNP_P1_10799_31726050	NC_021160.1	Ca_kabuli_chr01	31726050	TT	CC	1940136684
SNP_P1_10800_31726067	NC_021160.1	Ca_kabuli_chr01	31726067	CC	AA	1940136685
SNP_P1_10801_31726091	NC_021160.1	Ca_kabuli_chr01	31726091	CC	TT	1940136686
SNP_P1_10802_31726096	NC_021160.1	Ca_kabuli_chr01	31726096	AA	CC	1940136687
SNP_P1_10803_31726166	NC_021160.1	Ca_kabuli_chr01	31726166	TT	CC	1940136688
SNP_P1_10804_31726241	NC_021160.1	Ca_kabuli_chr01	31726241	GG	AA	1940136689
SNP_P1_10805_31726262	NC_021160.1	Ca_kabuli_chr01	31726262	GG	AA	1940136690
SNP_P1_10806_31726265	NC_021160.1	Ca_kabuli_chr01	31726265	TT	CC	1940136691
SNP_P1_10807_31726287	NC_021160.1	Ca_kabuli_chr01	31726287	AA	TT	1940136693
SNP_P1_10808_31740402	NC_021160.1	Ca_kabuli_chr01	31740402	TT	AA	1940136694
SNP_P1_10810_31753794	NC_021160.1	Ca_kabuli_chr01	31753794	AA	GG	1940136695
SNP_P1_10811_31753828	NC_021160.1	Ca_kabuli_chr01	31753828	AA	TT	1940136696

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10813_31753831	NC_021160.1	Ca_kabuli_chr01	31753831	AA	TT	1940136698
SNP_P1_10814_31755949	NC_021160.1	Ca_kabuli_chr01	31755949	TT	AA	1940136699
SNP_P1_10815_31762705	NC_021160.1	Ca_kabuli_chr01	31762705	TT	CC	1940136700
SNP_P1_10816_31768458	NC_021160.1	Ca_kabuli_chr01	31768458	GG	AA	1940136701
SNP_P1_10818_31772055	NC_021160.1	Ca_kabuli_chr01	31772055	CC	TT	1940136702
SNP_P1_10819_31772557	NC_021160.1	Ca_kabuli_chr01	31772557	CC	GG	1940136703
SNP_P1_10820_31773078	NC_021160.1	Ca_kabuli_chr01	31773078	AA	GG	1940136704
SNP_P1_10822_31774751	NC_021160.1	Ca_kabuli_chr01	31774751	GG	AA	1940136705
SNP_P1_10823_31775151	NC_021160.1	Ca_kabuli_chr01	31775151	GG	AA	1940136706
SNP_P1_10824_31778560	NC_021160.1	Ca_kabuli_chr01	31778560	TT	CC	1940136707
SNP_P1_10825_31778693	NC_021160.1	Ca_kabuli_chr01	31778693	TT	AA	1940136708
SNP_P1_10826_31778803	NC_021160.1	Ca_kabuli_chr01	31778803	AA	TT	1940136709
SNP_P1_10827_31778865	NC_021160.1	Ca_kabuli_chr01	31778865	AA	GG	1940136710
SNP_P1_10828_31778898	NC_021160.1	Ca_kabuli_chr01	31778898	CC	GG	1940136711
SNP_P1_10829_31778976	NC_021160.1	Ca_kabuli_chr01	31778976	AA	GG	1940136712
SNP_P1_10830_31778982	NC_021160.1	Ca_kabuli_chr01	31778982	CC	TT	1940136713
SNP_P1_10831_31779039	NC_021160.1	Ca_kabuli_chr01	31779039	TT	CC	1940136714
SNP_P1_10832_31779046	NC_021160.1	Ca_kabuli_chr01	31779046	TT	CC	1940136715
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SNP_P1_10835_31779306	NC_021160.1	Ca_kabuli_chr01	31779306	GG	TT	1940136718
SNP_P1_10836_31779376	NC_021160.1	Ca_kabuli_chr01	31779376	AA	GG	1940136719
SNP_P1_10837_31779467	NC_021160.1	Ca_kabuli_chr01	31779467	CC	TT	1940136720
SNP_P1_10838_31779547	NC_021160.1	Ca_kabuli_chr01	31779547	TT	GG	1940136722
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SNP_P1_10840_31779601	NC_021160.1	Ca_kabuli_chr01	31779601	TT	CC	1940136724
SNP_P1_10841_31779617	NC_021160.1	Ca_kabuli_chr01	31779617	AA	CC	1940136725
SNP_P1_10842_31779693	NC_021160.1	Ca_kabuli_chr01	31779693	TT	AA	1940136726
SNP_P1_10843_31779720	NC_021160.1	Ca_kabuli_chr01	31779720	TT	AA	1940136727
SNP_P1_10844_31779764	NC_021160.1	Ca_kabuli_chr01	31779764	AA	TT	1940136728
SNP_P1_10845_31779946	NC_021160.1	Ca_kabuli_chr01	31779946	TT	CC	1940136729
SNP_P1_10846_31780000	NC_021160.1	Ca_kabuli_chr01	31780000	TT	GG	1940136730
SNP_P1_10847_31780017	NC_021160.1	Ca_kabuli_chr01	31780017	AA	TT	1940136731
SNP_P1_10848_31780018	NC_021160.1	Ca_kabuli_chr01	31780018	AA	GG	1940136732
SNP_P1_10849_31780036	NC_021160.1	Ca_kabuli_chr01	31780036	TT	GG	1940136733
SNP_P1_10850_31780045	NC_021160.1	Ca_kabuli_chr01	31780045	CC	AA	1940136734
SNP_P1_10851_31780047	NC_021160.1	Ca_kabuli_chr01	31780047	CC	TT	1940136735
SNP_P1_10852_31780136	NC_021160.1	Ca_kabuli_chr01	31780136	AA	CC	1940136736
SNP_P1_10853_31780169	NC_021160.1	Ca_kabuli_chr01	31780169	GG	AA	1940136737
SNP_P1_10854_31781226	NC_021160.1	Ca_kabuli_chr01	31781226	CC	TT	1940136738
SNP_P1_10855_31781531	NC_021160.1	Ca_kabuli_chr01	31781531	TT	AA	1940136739

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10857_31783355	NC_021160.1	Ca_kabuli_chr01	31783355	AA	GG	1940136741
SNP_P1_10859_31783648	NC_021160.1	Ca_kabuli_chr01	31783648	CC	GG	1940136742
SNP_P1_10860_31783653	NC_021160.1	Ca_kabuli_chr01	31783653	CC	TT	1940136743
SNP_P1_10861_31783700	NC_021160.1	Ca_kabuli_chr01	31783700	GG	AA	1940136744
SNP_P1_10862_31783833	NC_021160.1	Ca_kabuli_chr01	31783833	TT	AA	1940136746
SNP_P1_10863_31783867	NC_021160.1	Ca_kabuli_chr01	31783867	GG	TT	1940136747
SNP_P1_10864_31783910	NC_021160.1	Ca_kabuli_chr01	31783910	GG	AA	1940136748
SNP_P1_10865_31784053	NC_021160.1	Ca_kabuli_chr01	31784053	TT	AA	1940136749
SNP_P1_10866_31784055	NC_021160.1	Ca_kabuli_chr01	31784055	TT	AA	1940136750
SNP_P1_10867_31784148	NC_021160.1	Ca_kabuli_chr01	31784148	AA	CC	1940136751
SNP_P1_10868_31784244	NC_021160.1	Ca_kabuli_chr01	31784244	GG	AA	1940136752
SNP_P1_10869_31784411	NC_021160.1	Ca_kabuli_chr01	31784411	GG	AA	1940136753
SNP_P1_10870_31784441	NC_021160.1	Ca_kabuli_chr01	31784441	TT	CC	1940136754
SNP_P1_10871_31784486	NC_021160.1	Ca_kabuli_chr01	31784486	TT	CC	1940136755
SNP_P1_10872_31784609	NC_021160.1	Ca_kabuli_chr01	31784609	CC	TT	1940136756
SNP_P1_10873_31784665	NC_021160.1	Ca_kabuli_chr01	31784665	GG	AA	1940136757
SNP_P1_10874_31784718	NC_021160.1	Ca_kabuli_chr01	31784718	CC	GG	1940136758
SNP_P1_10875_31784803	NC_021160.1	Ca_kabuli_chr01	31784803	GG	AA	1940136759
SNP_P1_10876_31784851	NC_021160.1	Ca_kabuli_chr01	31784851	TT	CC	1940136760
SNP_P1_10877_31784886	NC_021160.1	Ca_kabuli_chr01	31784886	CC	TT	1940136761
SNP_P1_10878_31785061	NC_021160.1	Ca_kabuli_chr01	31785061	AA	GG	1940136762
SNP_P1_10879_31785115	NC_021160.1	Ca_kabuli_chr01	31785115	AA	TT	1940136763
SNP_P1_10880_31785154	NC_021160.1	Ca_kabuli_chr01	31785154	AA	TT	1940136764
SNP_P1_10881_31785186	NC_021160.1	Ca_kabuli_chr01	31785186	CC	GG	1940136765
SNP_P1_10882_31785187	NC_021160.1	Ca_kabuli_chr01	31785187	CC	TT	1940136766
SNP_P1_10883_31785298	NC_021160.1	Ca_kabuli_chr01	31785298	TT	GG	1940136768
SNP_P1_10884_31785322	NC_021160.1	Ca_kabuli_chr01	31785322	CC	TT	1940136769
SNP_P1_10885_31785336	NC_021160.1	Ca_kabuli_chr01	31785336	GG	AA	1940136770
SNP_P1_10886_31785386	NC_021160.1	Ca_kabuli_chr01	31785386	GG	AA	1940136771
SNP_P1_10887_31785396	NC_021160.1	Ca_kabuli_chr01	31785396	AA	TT	1940136772
SNP_P1_10888_31785448	NC_021160.1	Ca_kabuli_chr01	31785448	TT	GG	1940136773
SNP_P1_10889_31785449	NC_021160.1	Ca_kabuli_chr01	31785449	AA	TT	1940136774
SNP_P1_10890_31785496	NC_021160.1	Ca_kabuli_chr01	31785496	CC	TT	1940136775
SNP_P1_10891_31785537	NC_021160.1	Ca_kabuli_chr01	31785537	GG	AA	1940136776
SNP_P1_10892_31785582	NC_021160.1	Ca_kabuli_chr01	31785582	TT	CC	1940136777
SNP_P1_10893_31785585	NC_021160.1	Ca_kabuli_chr01	31785585	GG	CC	1940136778
SNP_P1_10894_31785628	NC_021160.1	Ca_kabuli_chr01	31785628	CC	AA	1940136779
SNP_P1_10895_31785648	NC_021160.1	Ca_kabuli_chr01	31785648	TT	GG	1940136780
SNP_P1_10896_31785664	NC_021160.1	Ca_kabuli_chr01	31785664	AA	CC	1940136781
SNP_P1_10897_31785704	NC_021160.1	Ca_kabuli_chr01	31785704	GG	AA	1940136782
SNP_P1_10898_31785864	NC_021160.1	Ca_kabuli_chr01	31785864	AA	CC	1940136783

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10901_31786136	NC_021160.1	Ca_kabuli_chr01	31786136	TT	CC	1940136786
SNP_P1_10902_31786181	NC_021160.1	Ca_kabuli_chr01	31786181	AA	TT	1940136787
SNP_P1_10903_31786269	NC_021160.1	Ca_kabuli_chr01	31786269	AA	TT	1940136788
SNP_P1_10904_31786303	NC_021160.1	Ca_kabuli_chr01	31786303	TT	AA	1940136789
SNP_P1_10905_31786347	NC_021160.1	Ca_kabuli_chr01	31786347	AA	GG	1940136790
SNP_P1_10906_31786402	NC_021160.1	Ca_kabuli_chr01	31786402	CC	AA	1940136791
SNP_P1_10907_31786406	NC_021160.1	Ca_kabuli_chr01	31786406	AA	TT	1940136792
SNP_P1_10908_31786451	NC_021160.1	Ca_kabuli_chr01	31786451	TT	CC	1940136793
SNP_P1_10909_31786452	NC_021160.1	Ca_kabuli_chr01	31786452	CC	TT	1940136794
SNP_P1_10910_31786475	NC_021160.1	Ca_kabuli_chr01	31786475	TT	CC	1940136795
SNP_P1_10911_31786479	NC_021160.1	Ca_kabuli_chr01	31786479	AA	TT	1940136796
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SNP_P1_10914_31786754	NC_021160.1	Ca_kabuli_chr01	31786754	CC	TT	1940136800
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SNP_P1_10916_31787971	NC_021160.1	Ca_kabuli_chr01	31787971	CC	AA	1940136802
SNP_P1_10917_31788225	NC_021160.1	Ca_kabuli_chr01	31788225	GG	TT	1940136803
SNP_P1_10918_31792197	NC_021160.1	Ca_kabuli_chr01	31792197	GG	AA	1940136804
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SNP_P1_10922_31795537	NC_021160.1	Ca_kabuli_chr01	31795537	AA	CC	1940136808
SNP_P1_10923_31795559	NC_021160.1	Ca_kabuli_chr01	31795559	GG	TT	1940136809
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SNP_P1_10926_31795660	NC_021160.1	Ca_kabuli_chr01	31795660	AA	TT	1940136812
SNP_P1_10927_31795682	NC_021160.1	Ca_kabuli_chr01	31795682	CC	TT	1940136813
SNP_P1_10928_31795690	NC_021160.1	Ca_kabuli_chr01	31795690	GG	AA	1940136814
SNP_P1_10929_31795695	NC_021160.1	Ca_kabuli_chr01	31795695	GG	AA	1940136815
SNP_P1_10930_31795739	NC_021160.1	Ca_kabuli_chr01	31795739	CC	AA	1940136816
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SNP_P1_10935_31806090	NC_021160.1	Ca_kabuli_chr01	31806090	AA	GG	1940136820
SNP_P1_10936_31806321	NC_021160.1	Ca_kabuli_chr01	31806321	TT	CC	1940136821
SNP_P1_10937_31806460	NC_021160.1	Ca_kabuli_chr01	31806460	GG	TT	1940136822
SNP_P1_10938_31823896	NC_021160.1	Ca_kabuli_chr01	31823896	TT	CC	1940136823
SNP_P1_10939_31824421	NC_021160.1	Ca_kabuli_chr01	31824421	AA	GG	1940136824
SNP_P1_10940_31833625	NC_021160.1	Ca_kabuli_chr01	31833625	AA	GG	1940136825
SNP_P1_10941_31833630	NC_021160.1	Ca_kabuli_chr01	31833630	TT	CC	1940136826

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10944_31833781	NC_021160.1	Ca_kabuli_chr01	31833781	CC	TT	1940136829
SNP_P1_10945_31833807	NC_021160.1	Ca_kabuli_chr01	31833807	GG	CC	1940136830
SNP_P1_10946_31833811	NC_021160.1	Ca_kabuli_chr01	31833811	GG	AA	1940136831
SNP_P1_10947_31833818	NC_021160.1	Ca_kabuli_chr01	31833818	TT	AA	1940136832
SNP_P1_10948_31833851	NC_021160.1	Ca_kabuli_chr01	31833851	TT	CC	1940136834
SNP_P1_10949_31833885	NC_021160.1	Ca_kabuli_chr01	31833885	GG	AA	1940136835
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SNP_P1_10951_31847886	NC_021160.1	Ca_kabuli_chr01	31847886	AA	TT	1940136837
SNP_P1_10952_31847891	NC_021160.1	Ca_kabuli_chr01	31847891	AA	GG	1940136838
SNP_P1_10953_31847905	NC_021160.1	Ca_kabuli_chr01	31847905	TT	GG	1940136839
SNP_P1_10954_31858398	NC_021160.1	Ca_kabuli_chr01	31858398	TT	CC	1940136840
SNP_P1_10955_31858770	NC_021160.1	Ca_kabuli_chr01	31858770	TT	CC	1940136841
SNP_P1_10956_31858776	NC_021160.1	Ca_kabuli_chr01	31858776	AA	GG	1940136842
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SNP_P1_10958_31864870	NC_021160.1	Ca_kabuli_chr01	31864870	AA	GG	1940136844
SNP_P1_10959_31868664	NC_021160.1	Ca_kabuli_chr01	31868664	CC	GG	1940136845
SNP_P1_10960_31870550	NC_021160.1	Ca_kabuli_chr01	31870550	AA	GG	1940136846
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SNP_P1_10962_31880539	NC_021160.1	Ca_kabuli_chr01	31880539	AA	CC	1940136848
SNP_P1_10963_31880624	NC_021160.1	Ca_kabuli_chr01	31880624	TT	CC	1940136849
SNP_P1_10964_31880756	NC_021160.1	Ca_kabuli_chr01	31880756	AA	GG	1940136850
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SNP_P1_10966_31904644	NC_021160.1	Ca_kabuli_chr01	31904644	CC	TT	1940136852
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SNP_P1_10970_31941007	NC_021160.1	Ca_kabuli_chr01	31941007	GG	CC	1940136856
SNP_P1_10971_31944788	NC_021160.1	Ca_kabuli_chr01	31944788	GG	AA	1940136857
SNP_P1_10972_31946706	NC_021160.1	Ca_kabuli_chr01	31946706	AA	GG	1940136858
SNP_P1_10973_31946717	NC_021160.1	Ca_kabuli_chr01	31946717	AA	GG	1940136859
SNP_P1_10974_31946725	NC_021160.1	Ca_kabuli_chr01	31946725	AA	TT	1940136860
SNP_P1_10975_31946746	NC_021160.1	Ca_kabuli_chr01	31946746	TT	GG	1940136861
SNP_P1_10976_31946750	NC_021160.1	Ca_kabuli_chr01	31946750	AA	GG	1940136862
SNP_P1_10977_31952883	NC_021160.1	Ca_kabuli_chr01	31952883	CC	TT	1940136863
SNP_P1_10978_31955247	NC_021160.1	Ca_kabuli_chr01	31955247	GG	AA	1940136864
SNP_P1_10979_31964964	NC_021160.1	Ca_kabuli_chr01	31964964	AA	GG	1940136865
SNP_P1_10980_31967238	NC_021160.1	Ca_kabuli_chr01	31967238	GG	AA	1940136866
SNP_P1_10981_31976322	NC_021160.1	Ca_kabuli_chr01	31976322	AA	GG	1940136867
SNP_P1_10982_31977167	NC_021160.1	Ca_kabuli_chr01	31977167	AA	GG	1940136868
SNP_P1_10983_31985896	NC_021160.1	Ca_kabuli_chr01	31985896	GG	TT	1940136870

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_10986_31994720	NC_021160.1	Ca_kabuli_chr01	31994720	CC	TT	1940136873
SNP_P1_10987_31994739	NC_021160.1	Ca_kabuli_chr01	31994739	CC	TT	1940136874
SNP_P1_10988_31995256	NC_021160.1	Ca_kabuli_chr01	31995256	CC	TT	1940136875
SNP_P1_10989_31995258	NC_021160.1	Ca_kabuli_chr01	31995258	AA	GG	1940136876
SNP_P1_10990_31995290	NC_021160.1	Ca_kabuli_chr01	31995290	TT	CC	1940136877
SNP_P1_10991_31995301	NC_021160.1	Ca_kabuli_chr01	31995301	GG	AA	1940136878
SNP_P1_10992_31995364	NC_021160.1	Ca_kabuli_chr01	31995364	TT	GG	1940136879
SNP_P1_10993_31995371	NC_021160.1	Ca_kabuli_chr01	31995371	TT	GG	1940136880
SNP_P1_10994_31995388	NC_021160.1	Ca_kabuli_chr01	31995388	CC	TT	1940136881
SNP_P1_10995_31995397	NC_021160.1	Ca_kabuli_chr01	31995397	TT	AA	1940136882
SNP_P1_10996_31995400	NC_021160.1	Ca_kabuli_chr01	31995400	TT	CC	1940136883
SNP_P1_10997_31995426	NC_021160.1	Ca_kabuli_chr01	31995426	TT	CC	1940136885
SNP_P1_11000_31995540	NC_021160.1	Ca_kabuli_chr01	31995540	AA	TT	1940136886
SNP_P1_11001_31995565	NC_021160.1	Ca_kabuli_chr01	31995565	AA	GG	1940136887
SNP_P1_11002_31995597	NC_021160.1	Ca_kabuli_chr01	31995597	CC	TT	1940136888
SNP_P1_11003_31995619	NC_021160.1	Ca_kabuli_chr01	31995619	TT	CC	1940136889
SNP_P1_11004_31995655	NC_021160.1	Ca_kabuli_chr01	31995655	GG	AA	1940136890
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SNP_P1_11007_31995719	NC_021160.1	Ca_kabuli_chr01	31995719	TT	CC	1940136893
SNP_P1_11008_31995729	NC_021160.1	Ca_kabuli_chr01	31995729	TT	CC	1940136894
SNP_P1_11009_31995757	NC_021160.1	Ca_kabuli_chr01	31995757	CC	TT	1940136895
SNP_P1_11010_32001229	NC_021160.1	Ca_kabuli_chr01	32001229	CC	TT	1940136896
SNP_P1_11011_32001243	NC_021160.1	Ca_kabuli_chr01	32001243	CC	AA	1940136897
SNP_P1_11012_32001249	NC_021160.1	Ca_kabuli_chr01	32001249	AA	TT	1940136898
SNP_P1_11013_32012347	NC_021160.1	Ca_kabuli_chr01	32012347	GG	AA	1940136900
SNP_P1_11014_32014806	NC_021160.1	Ca_kabuli_chr01	32014806	AA	CC	1940136901
SNP_P1_11015_32016994	NC_021160.1	Ca_kabuli_chr01	32016994	GG	TT	1940136902
SNP_P1_11016_32016995	NC_021160.1	Ca_kabuli_chr01	32016995	AA	GG	1940136903
SNP_P1_11017_32016996	NC_021160.1	Ca_kabuli_chr01	32016996	CC	TT	1940136904
SNP_P1_11018_32017046	NC_021160.1	Ca_kabuli_chr01	32017046	GG	CC	1940136905
SNP_P1_11019_32017054	NC_021160.1	Ca_kabuli_chr01	32017054	AA	GG	1940136906
SNP_P1_11021_32021517	NC_021160.1	Ca_kabuli_chr01	32021517	GG	TT	1940136907
SNP_P1_11022_32022624	NC_021160.1	Ca_kabuli_chr01	32022624	AA	TT	1940136908
SNP_P1_11023_32022641	NC_021160.1	Ca_kabuli_chr01	32022641	TT	CC	1940136909
SNP_P1_11024_32022645	NC_021160.1	Ca_kabuli_chr01	32022645	TT	GG	1940136910
SNP_P1_11025_32022654	NC_021160.1	Ca_kabuli_chr01	32022654	TT	CC	1940136911
SNP_P1_11026_32030697	NC_021160.1	Ca_kabuli_chr01	32030697	TT	CC	1940136913
SNP_P1_11028_32031054	NC_021160.1	Ca_kabuli_chr01	32031054	AA	CC	1940136914
SNP_P1_11029_32037059	NC_021160.1	Ca_kabuli_chr01	32037059	AA	GG	1940136915

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11032_32037112	NC_021160.1	Ca_kabuli_chr01	32037112	TT	CC	1940136918
SNP_P1_11033_32037139	NC_021160.1	Ca_kabuli_chr01	32037139	CC	TT	1940136919
SNP_P1_11034_32037156	NC_021160.1	Ca_kabuli_chr01	32037156	GG	AA	1940136920
SNP_P1_11035_32037171	NC_021160.1	Ca_kabuli_chr01	32037171	TT	AA	1940136921
SNP_P1_11036_32037176	NC_021160.1	Ca_kabuli_chr01	32037176	CC	TT	1940136922
SNP_P1_11038_32037275	NC_021160.1	Ca_kabuli_chr01	32037275	CC	TT	1940136923
SNP_P1_11039_32037330	NC_021160.1	Ca_kabuli_chr01	32037330	AA	CC	1940136924
SNP_P1_11042_32037390	NC_021160.1	Ca_kabuli_chr01	32037390	GG	TT	1940136926
SNP_P1_11043_32037412	NC_021160.1	Ca_kabuli_chr01	32037412	GG	AA	1940136927
SNP_P1_11044_32038716	NC_021160.1	Ca_kabuli_chr01	32038716	AA	TT	1940136928
SNP_P1_11045_32038775	NC_021160.1	Ca_kabuli_chr01	32038775	TT	CC	1940136929
SNP_P1_11046_32038856	NC_021160.1	Ca_kabuli_chr01	32038856	GG	TT	1940136930
SNP_P1_11049_32043856	NC_021160.1	Ca_kabuli_chr01	32043856	CC	AA	1940136931
SNP_P1_11050_32047361	NC_021160.1	Ca_kabuli_chr01	32047361	CC	TT	1940136932
SNP_P1_11051_32047410	NC_021160.1	Ca_kabuli_chr01	32047410	GG	AA	1940136933
SNP_P1_11052_32047414	NC_021160.1	Ca_kabuli_chr01	32047414	GG	AA	1940136934
SNP_P1_11053_32055948	NC_021160.1	Ca_kabuli_chr01	32055948	TT	CC	1940136935
SNP_P1_11054_32065990	NC_021160.1	Ca_kabuli_chr01	32065990	GG	AA	1940136936
SNP_P1_11056_32079242	NC_021160.1	Ca_kabuli_chr01	32079242	AA	TT	1940136937
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SNP_P1_11058_32079534	NC_021160.1	Ca_kabuli_chr01	32079534	CC	TT	1940136939
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SNP_P1_11063_32079675	NC_021160.1	Ca_kabuli_chr01	32079675	AA	CC	1940136944
SNP_P1_11064_32079717	NC_021160.1	Ca_kabuli_chr01	32079717	TT	CC	1940136945
SNP_P1_11065_32079786	NC_021160.1	Ca_kabuli_chr01	32079786	TT	CC	1940136946
SNP_P1_11066_32079800	NC_021160.1	Ca_kabuli_chr01	32079800	AA	GG	1940136947
SNP_P1_11067_32079816	NC_021160.1	Ca_kabuli_chr01	32079816	AA	GG	1940136948
SNP_P1_11068_32079823	NC_021160.1	Ca_kabuli_chr01	32079823	TT	CC	1940136949
SNP_P1_11069_32079914	NC_021160.1	Ca_kabuli_chr01	32079914	TT	GG	1940136950
SNP_P1_11070_32079954	NC_021160.1	Ca_kabuli_chr01	32079954	TT	CC	1940136951
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SNP_P1_11072_32080004	NC_021160.1	Ca_kabuli_chr01	32080004	AA	GG	1940136953
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SNP_P1_11074_32080028	NC_021160.1	Ca_kabuli_chr01	32080028	TT	CC	1940136955
SNP_P1_11075_32080067	NC_021160.1	Ca_kabuli_chr01	32080067	AA	GG	1940136956
SNP_P1_11077_32080139	NC_021160.1	Ca_kabuli_chr01	32080139	AA	GG	1940136957
SNP_P1_11078_32080153	NC_021160.1	Ca_kabuli_chr01	32080153	TT	CC	1940136959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11082_32080282	NC_021160.1	Ca_kabuli_chr01	32080282	AA	CC	1940136962
SNP_P1_11083_32080283	NC_021160.1	Ca_kabuli_chr01	32080283	TT	CC	1940136963
SNP_P1_11084_32080285	NC_021160.1	Ca_kabuli_chr01	32080285	TT	GG	1940136964
SNP_P1_11086_32080352	NC_021160.1	Ca_kabuli_chr01	32080352	TT	CC	1940136965
SNP_P1_11087_32080356	NC_021160.1	Ca_kabuli_chr01	32080356	AA	GG	1940136966
SNP_P1_11088_32080368	NC_021160.1	Ca_kabuli_chr01	32080368	AA	GG	1940136967
SNP_P1_11089_32080371	NC_021160.1	Ca_kabuli_chr01	32080371	AA	GG	1940136968
SNP_P1_11090_32080412	NC_021160.1	Ca_kabuli_chr01	32080412	AA	GG	1940136969
SNP_P1_11091_32080430	NC_021160.1	Ca_kabuli_chr01	32080430	AA	GG	1940136970
SNP_P1_11092_32080459	NC_021160.1	Ca_kabuli_chr01	32080459	GG	AA	1940136971
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SNP_P1_11094_32080543	NC_021160.1	Ca_kabuli_chr01	32080543	TT	GG	1940136973
SNP_P1_11095_32080545	NC_021160.1	Ca_kabuli_chr01	32080545	AA	TT	1940136974
SNP_P1_11096_32080555	NC_021160.1	Ca_kabuli_chr01	32080555	TT	CC	1940136975
SNP_P1_11097_32080665	NC_021160.1	Ca_kabuli_chr01	32080665	TT	AA	1940136976
SNP_P1_11098_32080696	NC_021160.1	Ca_kabuli_chr01	32080696	AA	GG	1940136977
SNP_P1_11099_32082275	NC_021160.1	Ca_kabuli_chr01	32082275	CC	TT	1940136978
SNP_P1_11100_32082391	NC_021160.1	Ca_kabuli_chr01	32082391	TT	CC	1940136979
SNP_P1_11101_32082634	NC_021160.1	Ca_kabuli_chr01	32082634	CC	GG	1940136980
SNP_P1_11102_32083938	NC_021160.1	Ca_kabuli_chr01	32083938	CC	TT	1940136981
SNP_P1_11103_32083986	NC_021160.1	Ca_kabuli_chr01	32083986	GG	AA	1940136982
SNP_P1_11104_32087252	NC_021160.1	Ca_kabuli_chr01	32087252	CC	AA	1940136983
SNP_P1_11105_32087724	NC_021160.1	Ca_kabuli_chr01	32087724	GG	AA	1940136984
SNP_P1_11106_32124147	NC_021160.1	Ca_kabuli_chr01	32124147	GG	AA	1940136985
SNP_P1_11107_32124624	NC_021160.1	Ca_kabuli_chr01	32124624	CC	TT	1940136986
SNP_P1_11108_32124810	NC_021160.1	Ca_kabuli_chr01	32124810	TT	GG	1940136987
SNP_P1_11109_32125358	NC_021160.1	Ca_kabuli_chr01	32125358	GG	AA	1940136988
SNP_P1_11110_32126767	NC_021160.1	Ca_kabuli_chr01	32126767	CC	AA	1940136989
SNP_P1_11111_32126860	NC_021160.1	Ca_kabuli_chr01	32126860	TT	GG	1940136991
SNP_P1_11112_32126900	NC_021160.1	Ca_kabuli_chr01	32126900	CC	TT	1940136992
SNP_P1_11113_32128231	NC_021160.1	Ca_kabuli_chr01	32128231	GG	AA	1940136993
SNP_P1_11114_32129329	NC_021160.1	Ca_kabuli_chr01	32129329	CC	TT	1940136994
SNP_P1_11115_32139298	NC_021160.1	Ca_kabuli_chr01	32139298	AA	TT	1940136995
SNP_P1_11116_32139790	NC_021160.1	Ca_kabuli_chr01	32139790	GG	AA	1940136996
SNP_P1_11118_32141350	NC_021160.1	Ca_kabuli_chr01	32141350	TT	CC	1940136997
SNP_P1_11119_32141356	NC_021160.1	Ca_kabuli_chr01	32141356	TT	GG	1940136998
SNP_P1_11120_32141365	NC_021160.1	Ca_kabuli_chr01	32141365	TT	CC	1940136999
SNP_P1_11121_32141519	NC_021160.1	Ca_kabuli_chr01	32141519	CC	AA	1940137000
SNP_P1_11122_32141597	NC_021160.1	Ca_kabuli_chr01	32141597	GG	TT	1940137001
SNP_P1_11123_32141775	NC_021160.1	Ca_kabuli_chr01	32141775	AA	CC	1940137002

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11125_32145938	NC_021160.1	Ca_kabuli_chr01	32145938	GG	AA	1940137004
SNP_P1_11126_32146643	NC_021160.1	Ca_kabuli_chr01	32146643	CC	AA	1940137005
SNP_P1_11128_32147267	NC_021160.1	Ca_kabuli_chr01	32147267	TT	CC	1940137006
SNP_P1_11129_32148709	NC_021160.1	Ca_kabuli_chr01	32148709	TT	AA	1940137007
SNP_P1_11130_32150346	NC_021160.1	Ca_kabuli_chr01	32150346	TT	AA	1940137008
SNP_P1_11131_32150355	NC_021160.1	Ca_kabuli_chr01	32150355	GG	AA	1940137009
SNP_P1_11132_32150510	NC_021160.1	Ca_kabuli_chr01	32150510	AA	GG	1940137010
SNP_P1_11133_32150603	NC_021160.1	Ca_kabuli_chr01	32150603	TT	CC	1940137011
SNP_P1_11134_32150639	NC_021160.1	Ca_kabuli_chr01	32150639	CC	AA	1940137012
SNP_P1_11135_32150819	NC_021160.1	Ca_kabuli_chr01	32150819	GG	AA	1940137013
SNP_P1_11136_32150953	NC_021160.1	Ca_kabuli_chr01	32150953	GG	CC	1940137014
SNP_P1_11138_32151737	NC_021160.1	Ca_kabuli_chr01	32151737	TT	GG	1940137015
SNP_P1_11139_32152033	NC_021160.1	Ca_kabuli_chr01	32152033	GG	AA	1940137016
SNP_P1_11140_32152241	NC_021160.1	Ca_kabuli_chr01	32152241	CC	TT	1940137017
SNP_P1_11141_32152688	NC_021160.1	Ca_kabuli_chr01	32152688	TT	CC	1940137018
SNP_P1_11142_32152723	NC_021160.1	Ca_kabuli_chr01	32152723	AA	CC	1940137019
SNP_P1_11143_32152972	NC_021160.1	Ca_kabuli_chr01	32152972	CC	AA	1940137020
SNP_P1_11147_32154397	NC_021160.1	Ca_kabuli_chr01	32154397	TT	GG	1940137021
SNP_P1_11148_32154669	NC_021160.1	Ca_kabuli_chr01	32154669	CC	TT	1940137022
SNP_P1_11149_32154834	NC_021160.1	Ca_kabuli_chr01	32154834	AA	CC	1940137023
SNP_P1_11150_32154876	NC_021160.1	Ca_kabuli_chr01	32154876	AA	CC	1940137024
SNP_P1_11151_32155025	NC_021160.1	Ca_kabuli_chr01	32155025	CC	TT	1940137025
SNP_P1_11152_32155031	NC_021160.1	Ca_kabuli_chr01	32155031	TT	CC	1940137027
SNP_P1_11153_32155622	NC_021160.1	Ca_kabuli_chr01	32155622	AA	TT	1940137028
SNP_P1_11156_32156378	NC_021160.1	Ca_kabuli_chr01	32156378	GG	CC	1940137029
SNP_P1_11157_32157308	NC_021160.1	Ca_kabuli_chr01	32157308	CC	TT	1940137030
SNP_P1_11158_32157968	NC_021160.1	Ca_kabuli_chr01	32157968	AA	GG	1940137031
SNP_P1_11159_32158328	NC_021160.1	Ca_kabuli_chr01	32158328	AA	GG	1940137032
SNP_P1_11160_32159110	NC_021160.1	Ca_kabuli_chr01	32159110	GG	AA	1940137033
SNP_P1_11161_32159539	NC_021160.1	Ca_kabuli_chr01	32159539	TT	CC	1940137034
SNP_P1_11162_32160754	NC_021160.1	Ca_kabuli_chr01	32160754	TT	CC	1940137035
SNP_P1_11164_32169847	NC_021160.1	Ca_kabuli_chr01	32169847	GG	AA	1940137036
SNP_P1_11165_32170044	NC_021160.1	Ca_kabuli_chr01	32170044	GG	AA	1940137037
SNP_P1_11166_32170180	NC_021160.1	Ca_kabuli_chr01	32170180	TT	CC	1940137038
SNP_P1_11167_32171255	NC_021160.1	Ca_kabuli_chr01	32171255	AA	GG	1940137039
SNP_P1_11168_32171785	NC_021160.1	Ca_kabuli_chr01	32171785	GG	TT	1940137040
SNP_P1_11169_32172040	NC_021160.1	Ca_kabuli_chr01	32172040	AA	GG	1940137041
SNP_P1_11170_32172152	NC_021160.1	Ca_kabuli_chr01	32172152	CC	TT	1940137042
SNP_P1_11171_32172231	NC_021160.1	Ca_kabuli_chr01	32172231	TT	CC	1940137043
SNP_P1_11172_32172299	NC_021160.1	Ca_kabuli_chr01	32172299	CC	TT	1940137044
SNP_P1_11173_32173372	NC_021160.1	Ca_kabuli_chr01	32173372	AA	GG	1940137045

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11175_32173671	NC_021160.1	Ca_kabuli_chr01	32173671	GG	TT	1940137047
SNP_P1_11176_32173738	NC_021160.1	Ca_kabuli_chr01	32173738	AA	GG	1940137048
SNP_P1_11177_32174093	NC_021160.1	Ca_kabuli_chr01	32174093	AA	CC	1940137049
SNP_P1_11178_32174616	NC_021160.1	Ca_kabuli_chr01	32174616	TT	CC	1940137050
SNP_P1_11179_32174647	NC_021160.1	Ca_kabuli_chr01	32174647	GG	TT	1940137051
SNP_P1_11180_32174678	NC_021160.1	Ca_kabuli_chr01	32174678	GG	AA	1940137052
SNP_P1_11181_32174767	NC_021160.1	Ca_kabuli_chr01	32174767	TT	CC	1940137053
SNP_P1_11183_32174965	NC_021160.1	Ca_kabuli_chr01	32174965	CC	AA	1940137054
SNP_P1_11184_32174991	NC_021160.1	Ca_kabuli_chr01	32174991	AA	GG	1940137055
SNP_P1_11185_32175108	NC_021160.1	Ca_kabuli_chr01	32175108	CC	AA	1940137056
SNP_P1_11186_32175130	NC_021160.1	Ca_kabuli_chr01	32175130	AA	GG	1940137057
SNP_P1_11187_32175176	NC_021160.1	Ca_kabuli_chr01	32175176	GG	AA	1940137058
SNP_P1_11188_32175202	NC_021160.1	Ca_kabuli_chr01	32175202	CC	AA	1940137059
SNP_P1_11189_32175687	NC_021160.1	Ca_kabuli_chr01	32175687	AA	TT	1940137060
SNP_P1_11190_32175945	NC_021160.1	Ca_kabuli_chr01	32175945	AA	CC	1940137061
SNP_P1_11191_32176424	NC_021160.1	Ca_kabuli_chr01	32176424	AA	CC	1940137062
SNP_P1_11192_32176467	NC_021160.1	Ca_kabuli_chr01	32176467	CC	TT	1940137063
SNP_P1_11193_32178134	NC_021160.1	Ca_kabuli_chr01	32178134	GG	AA	1940137064
SNP_P1_11194_32178135	NC_021160.1	Ca_kabuli_chr01	32178135	CC	TT	1940137066
SNP_P1_11195_32178147	NC_021160.1	Ca_kabuli_chr01	32178147	GG	AA	1940137067
SNP_P1_11196_32178319	NC_021160.1	Ca_kabuli_chr01	32178319	AA	GG	1940137068
SNP_P1_11197_32178321	NC_021160.1	Ca_kabuli_chr01	32178321	CC	TT	1940137069
SNP_P1_11198_32179655	NC_021160.1	Ca_kabuli_chr01	32179655	GG	AA	1940137070
SNP_P1_11199_32179696	NC_021160.1	Ca_kabuli_chr01	32179696	AA	TT	1940137071
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SNP_P1_11201_32179993	NC_021160.1	Ca_kabuli_chr01	32179993	TT	AA	1940137073
SNP_P1_11202_32183728	NC_021160.1	Ca_kabuli_chr01	32183728	GG	TT	1940137074
SNP_P1_11203_32183731	NC_021160.1	Ca_kabuli_chr01	32183731	GG	AA	1940137075
SNP_P1_11204_32183752	NC_021160.1	Ca_kabuli_chr01	32183752	TT	CC	1940137076
SNP_P1_11205_32183849	NC_021160.1	Ca_kabuli_chr01	32183849	TT	CC	1940137077
SNP_P1_11206_32183878	NC_021160.1	Ca_kabuli_chr01	32183878	GG	AA	1940137078
SNP_P1_11207_32186203	NC_021160.1	Ca_kabuli_chr01	32186203	TT	CC	1940137079
SNP_P1_11208_32186246	NC_021160.1	Ca_kabuli_chr01	32186246	TT	GG	1940137080
SNP_P1_11209_32186801	NC_021160.1	Ca_kabuli_chr01	32186801	AA	TT	1940137081
SNP_P1_11210_32186837	NC_021160.1	Ca_kabuli_chr01	32186837	TT	CC	1940137082
SNP_P1_11211_32186860	NC_021160.1	Ca_kabuli_chr01	32186860	GG	AA	1940137083
SNP_P1_11212_32186878	NC_021160.1	Ca_kabuli_chr01	32186878	AA	GG	1940137084
SNP_P1_11214_32187881	NC_021160.1	Ca_kabuli_chr01	32187881	TT	CC	1940137085
SNP_P1_11215_32188467	NC_021160.1	Ca_kabuli_chr01	32188467	AA	TT	1940137086
SNP_P1_11217_32189161	NC_021160.1	Ca_kabuli_chr01	32189161	TT	CC	1940137087
SNP_P1_11218_32189865	NC_021160.1	Ca_kabuli_chr01	32189865	TT	AA	1940137088

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11220_32190297	NC_021160.1	Ca_kabuli_chr01	32190297	TT	CC	1940137090
SNP_P1_11221_32190806	NC_021160.1	Ca_kabuli_chr01	32190806	GG	AA	1940137091
SNP_P1_11222_32191047	NC_021160.1	Ca_kabuli_chr01	32191047	CC	AA	1940137092
SNP_P1_11223_32191202	NC_021160.1	Ca_kabuli_chr01	32191202	GG	AA	1940137093
SNP_P1_11224_32191204	NC_021160.1	Ca_kabuli_chr01	32191204	CC	AA	1940137094
SNP_P1_11225_32191210	NC_021160.1	Ca_kabuli_chr01	32191210	TT	GG	1940137095
SNP_P1_11226_32192060	NC_021160.1	Ca_kabuli_chr01	32192060	AA	CC	1940137096
SNP_P1_11227_32192557	NC_021160.1	Ca_kabuli_chr01	32192557	CC	TT	1940137097
SNP_P1_11228_32192611	NC_021160.1	Ca_kabuli_chr01	32192611	CC	AA	1940137099
SNP_P1_11229_32192749	NC_021160.1	Ca_kabuli_chr01	32192749	CC	TT	1940137100
SNP_P1_11230_32193178	NC_021160.1	Ca_kabuli_chr01	32193178	AA	CC	1940137101
SNP_P1_11231_32193373	NC_021160.1	Ca_kabuli_chr01	32193373	CC	GG	1940137102
SNP_P1_11232_32193378	NC_021160.1	Ca_kabuli_chr01	32193378	CC	AA	1940137103
SNP_P1_11234_32194186	NC_021160.1	Ca_kabuli_chr01	32194186	GG	AA	1940137104
SNP_P1_11235_32194209	NC_021160.1	Ca_kabuli_chr01	32194209	AA	GG	1940137105
SNP_P1_11237_32194666	NC_021160.1	Ca_kabuli_chr01	32194666	AA	GG	1940137106
SNP_P1_11238_32194708	NC_021160.1	Ca_kabuli_chr01	32194708	GG	CC	1940137107
SNP_P1_11239_32194875	NC_021160.1	Ca_kabuli_chr01	32194875	AA	CC	1940137108
SNP_P1_11240_32195026	NC_021160.1	Ca_kabuli_chr01	32195026	TT	GG	1940137109
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SNP_P1_11242_32195233	NC_021160.1	Ca_kabuli_chr01	32195233	GG	CC	1940137111
SNP_P1_11243_32195318	NC_021160.1	Ca_kabuli_chr01	32195318	CC	GG	1940137112
SNP_P1_11244_32195336	NC_021160.1	Ca_kabuli_chr01	32195336	AA	CC	1940137113
SNP_P1_11245_32196034	NC_021160.1	Ca_kabuli_chr01	32196034	CC	TT	1940137114
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SNP_P1_11247_32199386	NC_021160.1	Ca_kabuli_chr01	32199386	CC	GG	1940137116
SNP_P1_11248_32199429	NC_021160.1	Ca_kabuli_chr01	32199429	GG	AA	1940137117
SNP_P1_11249_32199728	NC_021160.1	Ca_kabuli_chr01	32199728	TT	CC	1940137118
SNP_P1_11250_32199966	NC_021160.1	Ca_kabuli_chr01	32199966	CC	TT	1940137119
SNP_P1_11251_32200292	NC_021160.1	Ca_kabuli_chr01	32200292	TT	CC	1940137121
SNP_P1_11252_32200597	NC_021160.1	Ca_kabuli_chr01	32200597	AA	CC	1940137122
SNP_P1_11253_32200608	NC_021160.1	Ca_kabuli_chr01	32200608	AA	GG	1940137123
SNP_P1_11254_32201100	NC_021160.1	Ca_kabuli_chr01	32201100	GG	AA	1940137124
SNP_P1_11255_32201232	NC_021160.1	Ca_kabuli_chr01	32201232	AA	GG	1940137125
SNP_P1_11256_32201304	NC_021160.1	Ca_kabuli_chr01	32201304	AA	GG	1940137126
SNP_P1_11257_32201316	NC_021160.1	Ca_kabuli_chr01	32201316	TT	GG	1940137127
SNP_P1_11258_32202790	NC_021160.1	Ca_kabuli_chr01	32202790	GG	AA	1940137128
SNP_P1_11259_32203387	NC_021160.1	Ca_kabuli_chr01	32203387	AA	GG	1940137129
SNP_P1_11260_32204436	NC_021160.1	Ca_kabuli_chr01	32204436	GG	AA	1940137130
SNP_P1_11261_32222246	NC_021160.1	Ca_kabuli_chr01	32222246	AA	GG	1940137131
SNP_P1_11263_32235672	NC_021160.1	Ca_kabuli_chr01	32235672	AA	TT	1940137132

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11266_32238812	NC_021160.1	Ca_kabuli_chr01	32238812	TT	AA	1940137135
SNP_P1_11267_32238837	NC_021160.1	Ca_kabuli_chr01	32238837	TT	CC	1940137136
SNP_P1_11268_32238844	NC_021160.1	Ca_kabuli_chr01	32238844	CC	TT	1940137137
SNP_P1_11269_32238858	NC_021160.1	Ca_kabuli_chr01	32238858	CC	TT	1940137138
SNP_P1_11270_32239081	NC_021160.1	Ca_kabuli_chr01	32239081	TT	GG	1940137139
SNP_P1_11271_32239084	NC_021160.1	Ca_kabuli_chr01	32239084	AA	GG	1940137140
SNP_P1_11272_32239106	NC_021160.1	Ca_kabuli_chr01	32239106	TT	CC	1940137141
SNP_P1_11274_32239450	NC_021160.1	Ca_kabuli_chr01	32239450	GG	AA	1940137142
SNP_P1_11275_32242965	NC_021160.1	Ca_kabuli_chr01	32242965	AA	GG	1940137144
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SNP_P1_11278_32243381	NC_021160.1	Ca_kabuli_chr01	32243381	TT	CC	1940137146
SNP_P1_11279_32243694	NC_021160.1	Ca_kabuli_chr01	32243694	CC	TT	1940137147
SNP_P1_11280_32244132	NC_021160.1	Ca_kabuli_chr01	32244132	TT	CC	1940137148
SNP_P1_11281_32244133	NC_021160.1	Ca_kabuli_chr01	32244133	CC	TT	1940137149
SNP_P1_11282_32244175	NC_021160.1	Ca_kabuli_chr01	32244175	CC	TT	1940137150
SNP_P1_11284_32244212	NC_021160.1	Ca_kabuli_chr01	32244212	CC	TT	1940137151
SNP_P1_11285_32244339	NC_021160.1	Ca_kabuli_chr01	32244339	AA	GG	1940137152
SNP_P1_11286_32244389	NC_021160.1	Ca_kabuli_chr01	32244389	CC	TT	1940137153
SNP_P1_11287_32245405	NC_021160.1	Ca_kabuli_chr01	32245405	TT	CC	1940137154
SNP_P1_11289_32245635	NC_021160.1	Ca_kabuli_chr01	32245635	GG	CC	1940137155
SNP_P1_11290_32245744	NC_021160.1	Ca_kabuli_chr01	32245744	AA	TT	1940137157
SNP_P1_11292_32246644	NC_021160.1	Ca_kabuli_chr01	32246644	TT	AA	1940137158
SNP_P1_11293_32249710	NC_021160.1	Ca_kabuli_chr01	32249710	CC	TT	1940137159
SNP_P1_11294_32254312	NC_021160.1	Ca_kabuli_chr01	32254312	AA	TT	1940137160
SNP_P1_11295_32254327	NC_021160.1	Ca_kabuli_chr01	32254327	GG	TT	1940137161
SNP_P1_11296_32256285	NC_021160.1	Ca_kabuli_chr01	32256285	GG	AA	1940137162
SNP_P1_11297_32256286	NC_021160.1	Ca_kabuli_chr01	32256286	TT	CC	1940137163
SNP_P1_11298_32256704	NC_021160.1	Ca_kabuli_chr01	32256704	CC	GG	1940137164
SNP_P1_11299_32256746	NC_021160.1	Ca_kabuli_chr01	32256746	CC	AA	1940137165
SNP_P1_11300_32256822	NC_021160.1	Ca_kabuli_chr01	32256822	GG	TT	1940137166
SNP_P1_11301_32257168	NC_021160.1	Ca_kabuli_chr01	32257168	CC	TT	1940137167
SNP_P1_11304_32259157	NC_021160.1	Ca_kabuli_chr01	32259157	TT	GG	1940137168
SNP_P1_11305_32260741	NC_021160.1	Ca_kabuli_chr01	32260741	GG	AA	1940137169
SNP_P1_11306_32260775	NC_021160.1	Ca_kabuli_chr01	32260775	TT	AA	1940137170
SNP_P1_11307_32261029	NC_021160.1	Ca_kabuli_chr01	32261029	TT	GG	1940137171
SNP_P1_11309_32261420	NC_021160.1	Ca_kabuli_chr01	32261420	TT	CC	1940137172
SNP_P1_11310_32261812	NC_021160.1	Ca_kabuli_chr01	32261812	GG	AA	1940137173
SNP_P1_11311_32264928	NC_021160.1	Ca_kabuli_chr01	32264928	TT	GG	1940137174
SNP_P1_11313_32266371	NC_021160.1	Ca_kabuli_chr01	32266371	CC	GG	1940137175
SNP_P1_11314_32266571	NC_021160.1	Ca_kabuli_chr01	32266571	AA	TT	1940137176

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11316_32267182	NC_021160.1	Ca_kabuli_chr01	32267182	TT	CC	1940137178
SNP_P1_11317_32267213	NC_021160.1	Ca_kabuli_chr01	32267213	TT	CC	1940137179
SNP_P1_11320_32267993	NC_021160.1	Ca_kabuli_chr01	32267993	AA	TT	1940137180
SNP_P1_11321_32268013	NC_021160.1	Ca_kabuli_chr01	32268013	TT	CC	1940137181
SNP_P1_11322_32268025	NC_021160.1	Ca_kabuli_chr01	32268025	GG	AA	1940137182
SNP_P1_11323_32268645	NC_021160.1	Ca_kabuli_chr01	32268645	AA	TT	1940137183
SNP_P1_11326_32269779	NC_021160.1	Ca_kabuli_chr01	32269779	CC	AA	1940137184
SNP_P1_11327_32269794	NC_021160.1	Ca_kabuli_chr01	32269794	CC	AA	1940137185
SNP_P1_11328_32270146	NC_021160.1	Ca_kabuli_chr01	32270146	CC	TT	1940137187
SNP_P1_11329_32271284	NC_021160.1	Ca_kabuli_chr01	32271284	TT	AA	1940137188
SNP_P1_11330_32271763	NC_021160.1	Ca_kabuli_chr01	32271763	TT	CC	1940137189
SNP_P1_11331_32271834	NC_021160.1	Ca_kabuli_chr01	32271834	GG	AA	1940137190
SNP_P1_11332_32273465	NC_021160.1	Ca_kabuli_chr01	32273465	CC	GG	1940137191
SNP_P1_11333_32275784	NC_021160.1	Ca_kabuli_chr01	32275784	TT	CC	1940137192
SNP_P1_11334_32278476	NC_021160.1	Ca_kabuli_chr01	32278476	CC	AA	1940137193
SNP_P1_11335_32278800	NC_021160.1	Ca_kabuli_chr01	32278800	TT	CC	1940137194
SNP_P1_11336_32279925	NC_021160.1	Ca_kabuli_chr01	32279925	CC	GG	1940137195
SNP_P1_11337_32280285	NC_021160.1	Ca_kabuli_chr01	32280285	TT	CC	1940137196
SNP_P1_11339_32281567	NC_021160.1	Ca_kabuli_chr01	32281567	AA	GG	1940137197
SNP_P1_11340_32281797	NC_021160.1	Ca_kabuli_chr01	32281797	GG	AA	1940137198
SNP_P1_11341_32281800	NC_021160.1	Ca_kabuli_chr01	32281800	TT	AA	1940137199
SNP_P1_11342_32281865	NC_021160.1	Ca_kabuli_chr01	32281865	GG	AA	1940137200
SNP_P1_11343_32281866	NC_021160.1	Ca_kabuli_chr01	32281866	TT	CC	1940137201
SNP_P1_11344_32282113	NC_021160.1	Ca_kabuli_chr01	32282113	CC	TT	1940137202
SNP_P1_11345_32282156	NC_021160.1	Ca_kabuli_chr01	32282156	AA	GG	1940137203
SNP_P1_11346_32282159	NC_021160.1	Ca_kabuli_chr01	32282159	GG	AA	1940137204
SNP_P1_11347_32282193	NC_021160.1	Ca_kabuli_chr01	32282193	GG	AA	1940137205
SNP_P1_11348_32282463	NC_021160.1	Ca_kabuli_chr01	32282463	GG	AA	1940137206
SNP_P1_11349_32282784	NC_021160.1	Ca_kabuli_chr01	32282784	AA	GG	1940137207
SNP_P1_11350_32282939	NC_021160.1	Ca_kabuli_chr01	32282939	TT	CC	1940137208
SNP_P1_11351_32282944	NC_021160.1	Ca_kabuli_chr01	32282944	TT	CC	1940137209
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SNP_P1_11353_32286535	NC_021160.1	Ca_kabuli_chr01	32286535	GG	AA	1940137211
SNP_P1_11354_32286545	NC_021160.1	Ca_kabuli_chr01	32286545	AA	GG	1940137212
SNP_P1_11355_32286555	NC_021160.1	Ca_kabuli_chr01	32286555	TT	CC	1940137213
SNP_P1_11356_32287003	NC_021160.1	Ca_kabuli_chr01	32287003	AA	GG	1940137214
SNP_P1_11357_32287044	NC_021160.1	Ca_kabuli_chr01	32287044	TT	GG	1940137215
SNP_P1_11358_32289265	NC_021160.1	Ca_kabuli_chr01	32289265	AA	GG	1940137216
SNP_P1_11359_32289279	NC_021160.1	Ca_kabuli_chr01	32289279	TT	CC	1940137217
SNP_P1_11360_32300319	NC_021160.1	Ca_kabuli_chr01	32300319	CC	TT	1940137219
SNP_P1_11361_32300935	NC_021160.1	Ca_kabuli_chr01	32300935	TT	CC	1940137220

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11363_32301234	NC_021160.1	Ca_kabuli_chr01	32301234	TT	CC	1940137222
SNP_P1_11364_32301267	NC_021160.1	Ca_kabuli_chr01	32301267	TT	CC	1940137223
SNP_P1_11365_32301539	NC_021160.1	Ca_kabuli_chr01	32301539	AA	GG	1940137224
SNP_P1_11366_32301541	NC_021160.1	Ca_kabuli_chr01	32301541	AA	TT	1940137225
SNP_P1_11367_32301594	NC_021160.1	Ca_kabuli_chr01	32301594	CC	AA	1940137226
SNP_P1_11369_32311936	NC_021160.1	Ca_kabuli_chr01	32311936	AA	GG	1940137227
SNP_P1_11370_32312424	NC_021160.1	Ca_kabuli_chr01	32312424	TT	CC	1940137228
SNP_P1_11371_32355317	NC_021160.1	Ca_kabuli_chr01	32355317	AA	GG	1940137229
SNP_P1_11372_32360064	NC_021160.1	Ca_kabuli_chr01	32360064	TT	CC	1940137230
SNP_P1_11373_32360066	NC_021160.1	Ca_kabuli_chr01	32360066	GG	AA	1940137231
SNP_P1_11374_32367105	NC_021160.1	Ca_kabuli_chr01	32367105	CC	TT	1940137232
SNP_P1_11375_32367996	NC_021160.1	Ca_kabuli_chr01	32367996	AA	GG	1940137233
SNP_P1_11376_32368518	NC_021160.1	Ca_kabuli_chr01	32368518	GG	AA	1940137234
SNP_P1_11377_32369058	NC_021160.1	Ca_kabuli_chr01	32369058	GG	AA	1940137235
SNP_P1_11378_32370497	NC_021160.1	Ca_kabuli_chr01	32370497	AA	GG	1940137236
SNP_P1_11379_32370511	NC_021160.1	Ca_kabuli_chr01	32370511	AA	GG	1940137237
SNP_P1_11380_32386180	NC_021160.1	Ca_kabuli_chr01	32386180	CC	AA	1940137238
SNP_P1_11381_32412585	NC_021160.1	Ca_kabuli_chr01	32412585	TT	CC	1940137239
SNP_P1_11382_32413628	NC_021160.1	Ca_kabuli_chr01	32413628	GG	AA	1940137240
SNP_P1_11383_32416576	NC_021160.1	Ca_kabuli_chr01	32416576	AA	GG	1940137241
SNP_P1_11384_32416578	NC_021160.1	Ca_kabuli_chr01	32416578	AA	GG	1940137242
SNP_P1_11385_32419853	NC_021160.1	Ca_kabuli_chr01	32419853	GG	AA	1940137243
SNP_P1_11387_32453880	NC_021160.1	Ca_kabuli_chr01	32453880	CC	AA	1940137244
SNP_P1_11389_32454407	NC_021160.1	Ca_kabuli_chr01	32454407	CC	TT	1940137245
SNP_P1_11390_32454431	NC_021160.1	Ca_kabuli_chr01	32454431	AA	TT	1940137246
SNP_P1_11391_32454432	NC_021160.1	Ca_kabuli_chr01	32454432	AA	TT	1940137247
SNP_P1_11392_32454434	NC_021160.1	Ca_kabuli_chr01	32454434	TT	CC	1940137248
SNP_P1_11393_32454477	NC_021160.1	Ca_kabuli_chr01	32454477	CC	AA	1940137249
SNP_P1_11394_32483608	NC_021160.1	Ca_kabuli_chr01	32483608	AA	GG	1940137250
SNP_P1_11396_32493270	NC_021160.1	Ca_kabuli_chr01	32493270	GG	AA	1940137252
SNP_P1_11398_32495405	NC_021160.1	Ca_kabuli_chr01	32495405	AA	GG	1940137253
SNP_P1_11399_32522044	NC_021160.1	Ca_kabuli_chr01	32522044	AA	GG	1940137254
SNP_P1_11400_32523299	NC_021160.1	Ca_kabuli_chr01	32523299	CC	TT	1940137255
SNP_P1_11402_32537880	NC_021160.1	Ca_kabuli_chr01	32537880	AA	CC	1940137256
SNP_P1_11404_32554914	NC_021160.1	Ca_kabuli_chr01	32554914	CC	TT	1940137257
SNP_P1_11406_32572914	NC_021160.1	Ca_kabuli_chr01	32572914	TT	CC	1940137258
SNP_P1_11407_32572922	NC_021160.1	Ca_kabuli_chr01	32572922	CC	TT	1940137259
SNP_P1_11408_32573050	NC_021160.1	Ca_kabuli_chr01	32573050	CC	TT	1940137260
SNP_P1_11409_32742677	NC_021160.1	Ca_kabuli_chr01	32742677	CC	TT	1940137261
SNP_P1_11410_32743369	NC_021160.1	Ca_kabuli_chr01	32743369	CC	AA	1940137262
SNP_P1_11412_32745023	NC_021160.1	Ca_kabuli_chr01	32745023	CC	TT	1940137263

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11414_32749360	NC_021160.1	Ca_kabuli_chr01	32749360	AA	TT	1940137265
SNP_P1_11416_32752702	NC_021160.1	Ca_kabuli_chr01	32752702	AA	CC	1940137266
SNP_P1_11417_32755252	NC_021160.1	Ca_kabuli_chr01	32755252	GG	AA	1940137267
SNP_P1_11418_32756225	NC_021160.1	Ca_kabuli_chr01	32756225	AA	CC	1940137268
SNP_P1_11419_32758491	NC_021160.1	Ca_kabuli_chr01	32758491	AA	GG	1940137269
SNP_P1_11420_32758587	NC_021160.1	Ca_kabuli_chr01	32758587	AA	TT	1940137270
SNP_P1_11421_32758640	NC_021160.1	Ca_kabuli_chr01	32758640	CC	TT	1940137271
SNP_P1_11422_32758692	NC_021160.1	Ca_kabuli_chr01	32758692	GG	AA	1940137272
SNP_P1_11423_32758715	NC_021160.1	Ca_kabuli_chr01	32758715	GG	CC	1940137273
SNP_P1_11424_32758718	NC_021160.1	Ca_kabuli_chr01	32758718	AA	GG	1940137274
SNP_P1_11425_32758734	NC_021160.1	Ca_kabuli_chr01	32758734	TT	AA	1940137275
SNP_P1_11426_32758770	NC_021160.1	Ca_kabuli_chr01	32758770	GG	AA	1940137276
SNP_P1_11427_32758773	NC_021160.1	Ca_kabuli_chr01	32758773	AA	GG	1940137277
SNP_P1_11428_32758781	NC_021160.1	Ca_kabuli_chr01	32758781	CC	TT	1940137278
SNP_P1_11429_32758861	NC_021160.1	Ca_kabuli_chr01	32758861	TT	AA	1940137279
SNP_P1_11430_32766394	NC_021160.1	Ca_kabuli_chr01	32766394	AA	GG	1940137280
SNP_P1_11431_32771380	NC_021160.1	Ca_kabuli_chr01	32771380	GG	AA	1940137281
SNP_P1_11432_32771389	NC_021160.1	Ca_kabuli_chr01	32771389	AA	CC	1940137282
SNP_P1_11433_32774854	NC_021160.1	Ca_kabuli_chr01	32774854	TT	GG	1940137283
SNP_P1_11434_32781830	NC_021160.1	Ca_kabuli_chr01	32781830	TT	GG	1940137284
SNP_P1_11435_32784244	NC_021160.1	Ca_kabuli_chr01	32784244	TT	CC	1940137286
SNP_P1_11436_32784727	NC_021160.1	Ca_kabuli_chr01	32784727	TT	CC	1940137287
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SNP_P1_11438_32790823	NC_021160.1	Ca_kabuli_chr01	32790823	AA	TT	1940137289
SNP_P1_11439_32796080	NC_021160.1	Ca_kabuli_chr01	32796080	TT	GG	1940137290
SNP_P1_11440_32796086	NC_021160.1	Ca_kabuli_chr01	32796086	TT	CC	1940137291
SNP_P1_11441_32798758	NC_021160.1	Ca_kabuli_chr01	32798758	CC	TT	1940137292
SNP_P1_11442_32798760	NC_021160.1	Ca_kabuli_chr01	32798760	AA	CC	1940137293
SNP_P1_11443_32801467	NC_021160.1	Ca_kabuli_chr01	32801467	CC	TT	1940137294
SNP_P1_11444_32804258	NC_021160.1	Ca_kabuli_chr01	32804258	GG	AA	1940137295
SNP_P1_11445_32806800	NC_021160.1	Ca_kabuli_chr01	32806800	TT	AA	1940137296
SNP_P1_11446_32806882	NC_021160.1	Ca_kabuli_chr01	32806882	GG	AA	1940137297
SNP_P1_11447_32808441	NC_021160.1	Ca_kabuli_chr01	32808441	TT	AA	1940137298
SNP_P1_11448_32810187	NC_021160.1	Ca_kabuli_chr01	32810187	CC	GG	1940137299
SNP_P1_11449_32812311	NC_021160.1	Ca_kabuli_chr01	32812311	AA	GG	1940137300
SNP_P1_11450_32813860	NC_021160.1	Ca_kabuli_chr01	32813860	CC	TT	1940137301
SNP_P1_11451_32814184	NC_021160.1	Ca_kabuli_chr01	32814184	GG	AA	1940137302
SNP_P1_11452_32818059	NC_021160.1	Ca_kabuli_chr01	32818059	AA	CC	1940137303
SNP_P1_11453_32819072	NC_021160.1	Ca_kabuli_chr01	32819072	AA	GG	1940137304
SNP_P1_11454_32822800	NC_021160.1	Ca_kabuli_chr01	32822800	AA	GG	1940137305
SNP_P1_11455_32823244	NC_021160.1	Ca_kabuli_chr01	32823244	GG	TT	1940137306

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11459_32844132	NC_021160.1	Ca_kabuli_chr01	32844132	CC	GG	1940137311
SNP_P1_11460_32845707	NC_021160.1	Ca_kabuli_chr01	32845707	TT	CC	1940137312
SNP_P1_11461_32847694	NC_021160.1	Ca_kabuli_chr01	32847694	AA	GG	1940137313
SNP_P1_11463_32849558	NC_021160.1	Ca_kabuli_chr01	32849558	TT	CC	1940137314
SNP_P1_11464_32852770	NC_021160.1	Ca_kabuli_chr01	32852770	CC	TT	1940137315
SNP_P1_11465_32852776	NC_021160.1	Ca_kabuli_chr01	32852776	AA	GG	1940137316
SNP_P1_11466_32855328	NC_021160.1	Ca_kabuli_chr01	32855328	GG	CC	1940137317
SNP_P1_11467_32858085	NC_021160.1	Ca_kabuli_chr01	32858085	TT	CC	1940137318
SNP_P1_11468_32860546	NC_021160.1	Ca_kabuli_chr01	32860546	GG	AA	1940137319
SNP_P1_11469_32860557	NC_021160.1	Ca_kabuli_chr01	32860557	CC	TT	1940137320
SNP_P1_11470_32860564	NC_021160.1	Ca_kabuli_chr01	32860564	AA	TT	1940137321
SNP_P1_11471_32860586	NC_021160.1	Ca_kabuli_chr01	32860586	AA	GG	1940137322
SNP_P1_11472_32860601	NC_021160.1	Ca_kabuli_chr01	32860601	TT	AA	1940137323
SNP_P1_11473_32860607	NC_021160.1	Ca_kabuli_chr01	32860607	TT	CC	1940137324
SNP_P1_11474_32863717	NC_021160.1	Ca_kabuli_chr01	32863717	CC	AA	1940137325
SNP_P1_11475_32867829	NC_021160.1	Ca_kabuli_chr01	32867829	GG	AA	1940137326
SNP_P1_11476_32867899	NC_021160.1	Ca_kabuli_chr01	32867899	AA	CC	1940137327
SNP_P1_11477_32868368	NC_021160.1	Ca_kabuli_chr01	32868368	GG	AA	1940137328
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SNP_P1_11479_32868520	NC_021160.1	Ca_kabuli_chr01	32868520	AA	TT	1940137330
SNP_P1_11480_32868553	NC_021160.1	Ca_kabuli_chr01	32868553	CC	GG	1940137331
SNP_P1_11481_32868610	NC_021160.1	Ca_kabuli_chr01	32868610	TT	GG	1940137332
SNP_P1_11482_32875040	NC_021160.1	Ca_kabuli_chr01	32875040	GG	CC	1940137333
SNP_P1_11484_32875601	NC_021160.1	Ca_kabuli_chr01	32875601	AA	TT	1940137334
SNP_P1_11485_32877322	NC_021160.1	Ca_kabuli_chr01	32877322	TT	CC	1940137335
SNP_P1_11486_32885517	NC_021160.1	Ca_kabuli_chr01	32885517	AA	GG	1940137336
SNP_P1_11487_32889499	NC_021160.1	Ca_kabuli_chr01	32889499	AA	GG	1940137337
SNP_P1_11488_32898577	NC_021160.1	Ca_kabuli_chr01	32898577	CC	TT	1940137338
SNP_P1_11489_32903396	NC_021160.1	Ca_kabuli_chr01	32903396	CC	TT	1940137339
SNP_P1_11490_32905658	NC_021160.1	Ca_kabuli_chr01	32905658	CC	TT	1940137340
SNP_P1_11491_32905659	NC_021160.1	Ca_kabuli_chr01	32905659	AA	TT	1940137341
SNP_P1_11492_32905662	NC_021160.1	Ca_kabuli_chr01	32905662	TT	AA	1940137342
SNP_P1_11493_32905896	NC_021160.1	Ca_kabuli_chr01	32905896	TT	CC	1940137344
SNP_P1_11494_32906362	NC_021160.1	Ca_kabuli_chr01	32906362	AA	CC	1940137345
SNP_P1_11495_32908298	NC_021160.1	Ca_kabuli_chr01	32908298	AA	GG	1940137346
SNP_P1_11496_32909221	NC_021160.1	Ca_kabuli_chr01	32909221	TT	GG	1940137347
SNP_P1_11497_32909222	NC_021160.1	Ca_kabuli_chr01	32909222	TT	AA	1940137348
SNP_P1_11500_32913897	NC_021160.1	Ca_kabuli_chr01	32913897	CC	AA	1940137349
SNP_P1_11501_32914104	NC_021160.1	Ca_kabuli_chr01	32914104	AA	CC	1940137350

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_11503_32921239	NC_021160.1	Ca_kabuli_chr01	32921239	TT	CC	1940137351
SNP_P1_11505_32922715	NC_021160.1	Ca_kabuli_chr01	32922715	GG	TT	1940137352
SNP_P1_11506_32940969	NC_021160.1	Ca_kabuli_chr01	32940969	TT	CC	1940137353
SNP_P1_11507_32941061	NC_021160.1	Ca_kabuli_chr01	32941061	AA	GG	1940137354
SNP_P1_11508_32941095	NC_021160.1	Ca_kabuli_chr01	32941095	AA	GG	1940137355
SNP_P1_11509_32941157	NC_021160.1	Ca_kabuli_chr01	32941157	TT	CC	1940137356
SNP_P1_11510_32941521	NC_021160.1	Ca_kabuli_chr01	32941521	TT	CC	1940137358
SNP_P1_11511_32941984	NC_021160.1	Ca_kabuli_chr01	32941984	TT	CC	1940137359
SNP_P1_11512_32942009	NC_021160.1	Ca_kabuli_chr01	32942009	AA	GG	1940137360
SNP_P1_11513_32942011	NC_021160.1	Ca_kabuli_chr01	32942011	TT	AA	1940137361
SNP_P1_11514_32942291	NC_021160.1	Ca_kabuli_chr01	32942291	CC	TT	1940137362
SNP_P1_11515_32946560	NC_021160.1	Ca_kabuli_chr01	32946560	AA	GG	1940137363
SNP_P1_11516_32949853	NC_021160.1	Ca_kabuli_chr01	32949853	CC	TT	1940137364
SNP_P1_11517_32950484	NC_021160.1	Ca_kabuli_chr01	32950484	GG	AA	1940137365
SNP_P1_11518_32950827	NC_021160.1	Ca_kabuli_chr01	32950827	AA	GG	1940137366
SNP_P1_11519_32950833	NC_021160.1	Ca_kabuli_chr01	32950833	TT	CC	1940137367
SNP_P1_11520_32950848	NC_021160.1	Ca_kabuli_chr01	32950848	AA	GG	1940137368
SNP_P1_11521_32956552	NC_021160.1	Ca_kabuli_chr01	32956552	TT	CC	1940137369
SNP_P1_11522_32956607	NC_021160.1	Ca_kabuli_chr01	32956607	CC	GG	1940137370
SNP_P1_11523_32957577	NC_021160.1	Ca_kabuli_chr01	32957577	TT	AA	1940137371
SNP_P1_11524_32957590	NC_021160.1	Ca_kabuli_chr01	32957590	GG	CC	1940137372
SNP_P1_11525_32957652	NC_021160.1	Ca_kabuli_chr01	32957652	TT	CC	1940137373
SNP_P1_11526_32957728	NC_021160.1	Ca_kabuli_chr01	32957728	AA	GG	1940137374
SNP_P1_11527_32957838	NC_021160.1	Ca_kabuli_chr01	32957838	TT	GG	1940137375
SNP_P1_11528_32958529	NC_021160.1	Ca_kabuli_chr01	32958529	AA	GG	1940137376
SNP_P1_11529_32960433	NC_021160.1	Ca_kabuli_chr01	32960433	AA	GG	1940137377
SNP_P1_11531_32960851	NC_021160.1	Ca_kabuli_chr01	32960851	AA	GG	1940137378
SNP_P1_11532_32964418	NC_021160.1	Ca_kabuli_chr01	32964418	TT	AA	1940137379
SNP_P1_11533_32965281	NC_021160.1	Ca_kabuli_chr01	32965281	GG	AA	1940137380
SNP_P1_11534_32966007	NC_021160.1	Ca_kabuli_chr01	32966007	AA	TT	1940137381
SNP_P1_11535_32966012	NC_021160.1	Ca_kabuli_chr01	32966012	TT	CC	1940137382
SNP_P1_11536_32966684	NC_021160.1	Ca_kabuli_chr01	32966684	TT	AA	1940137384
SNP_P1_11537_32969820	NC_021160.1	Ca_kabuli_chr01	32969820	AA	TT	1940137385
SNP_P1_11538_32971286	NC_021160.1	Ca_kabuli_chr01	32971286	AA	GG	1940137386
SNP_P1_11539_32974240	NC_021160.1	Ca_kabuli_chr01	32974240	CC	TT	1940137387
SNP_P1_11540_32976137	NC_021160.1	Ca_kabuli_chr01	32976137	CC	GG	1940137388
SNP_P1_11541_32977228	NC_021160.1	Ca_kabuli_chr01	32977228	GG	TT	1940137389
SNP_P1_11543_32984083	NC_021160.1	Ca_kabuli_chr01	32984083	GG	TT	1940137390
SNP_P1_11544_32984121	NC_021160.1	Ca_kabuli_chr01	32984121	AA	GG	1940137391
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SNP_P1_11546_32984173	NC_021160.1	Ca_kabuli_chr01	32984173	TT	CC	1940137393
SNP_P1_11547_32984185	NC_021160.1	Ca_kabuli_chr01	32984185	CC	TT	1940137394

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11549_32985304	NC_021160.1	Ca_kabuli_chr01	32985304	AA	TT	1940137396
SNP_P1_11550_32985308	NC_021160.1	Ca_kabuli_chr01	32985308	AA	CC	1940137397
SNP_P1_11551_32995675	NC_021160.1	Ca_kabuli_chr01	32995675	AA	CC	1940137398
SNP_P1_11552_32997624	NC_021160.1	Ca_kabuli_chr01	32997624	AA	GG	1940137399
SNP_P1_11553_32998589	NC_021160.1	Ca_kabuli_chr01	32998589	CC	TT	1940137400
SNP_P1_11554_32998736	NC_021160.1	Ca_kabuli_chr01	32998736	TT	GG	1940137401
SNP_P1_11555_33000070	NC_021160.1	Ca_kabuli_chr01	33000070	GG	TT	1940137402
SNP_P1_11556_33000129	NC_021160.1	Ca_kabuli_chr01	33000129	CC	GG	1940137403
SNP_P1_11557_33001296	NC_021160.1	Ca_kabuli_chr01	33001296	AA	GG	1940137404
SNP_P1_11558_33004285	NC_021160.1	Ca_kabuli_chr01	33004285	CC	TT	1940137405
SNP_P1_11559_33006065	NC_021160.1	Ca_kabuli_chr01	33006065	CC	TT	1940137406
SNP_P1_11560_33006661	NC_021160.1	Ca_kabuli_chr01	33006661	AA	TT	1940137407
SNP_P1_11561_33006662	NC_021160.1	Ca_kabuli_chr01	33006662	CC	TT	1940137408
SNP_P1_11562_33007752	NC_021160.1	Ca_kabuli_chr01	33007752	GG	AA	1940137409
SNP_P1_11563_33008987	NC_021160.1	Ca_kabuli_chr01	33008987	TT	CC	1940137410
SNP_P1_11564_33017144	NC_021160.1	Ca_kabuli_chr01	33017144	AA	GG	1940137411
SNP_P1_11565_33017204	NC_021160.1	Ca_kabuli_chr01	33017204	AA	TT	1940137412
SNP_P1_11566_33017781	NC_021160.1	Ca_kabuli_chr01	33017781	TT	CC	1940137413
SNP_P1_11567_33019147	NC_021160.1	Ca_kabuli_chr01	33019147	AA	CC	1940137415
SNP_P1_11568_33019157	NC_021160.1	Ca_kabuli_chr01	33019157	AA	GG	1940137416
SNP_P1_11569_33019214	NC_021160.1	Ca_kabuli_chr01	33019214	CC	TT	1940137417
SNP_P1_11570_33019614	NC_021160.1	Ca_kabuli_chr01	33019614	CC	TT	1940137418
SNP_P1_11571_33019665	NC_021160.1	Ca_kabuli_chr01	33019665	AA	GG	1940137419
SNP_P1_11572_33020074	NC_021160.1	Ca_kabuli_chr01	33020074	GG	AA	1940137420
SNP_P1_11573_33020078	NC_021160.1	Ca_kabuli_chr01	33020078	TT	CC	1940137421
SNP_P1_11574_33021089	NC_021160.1	Ca_kabuli_chr01	33021089	CC	TT	1940137422
SNP_P1_11576_33041219	NC_021160.1	Ca_kabuli_chr01	33041219	GG	TT	1940137423
SNP_P1_11577_33045531	NC_021160.1	Ca_kabuli_chr01	33045531	GG	AA	1940137424
SNP_P1_11578_33047247	NC_021160.1	Ca_kabuli_chr01	33047247	GG	AA	1940137425
SNP_P1_11580_33060298	NC_021160.1	Ca_kabuli_chr01	33060298	TT	CC	1940137426
SNP_P1_11581_33066368	NC_021160.1	Ca_kabuli_chr01	33066368	TT	CC	1940137427
SNP_P1_11582_33075482	NC_021160.1	Ca_kabuli_chr01	33075482	GG	TT	1940137428
SNP_P1_11583_33076438	NC_021160.1	Ca_kabuli_chr01	33076438	GG	AA	1940137429
SNP_P1_11584_33079039	NC_021160.1	Ca_kabuli_chr01	33079039	TT	CC	1940137430
SNP_P1_11585_33080524	NC_021160.1	Ca_kabuli_chr01	33080524	GG	TT	1940137431
SNP_P1_11586_33082442	NC_021160.1	Ca_kabuli_chr01	33082442	TT	CC	1940137432
SNP_P1_11587_33082803	NC_021160.1	Ca_kabuli_chr01	33082803	TT	CC	1940137433
SNP_P1_11588_33083290	NC_021160.1	Ca_kabuli_chr01	33083290	GG	AA	1940137434
SNP_P1_11589_33083633	NC_021160.1	Ca_kabuli_chr01	33083633	CC	TT	1940137435
SNP_P1_11590_33085801	NC_021160.1	Ca_kabuli_chr01	33085801	TT	AA	1940137436
SNP_P1_11591_33085803	NC_021160.1	Ca_kabuli_chr01	33085803	GG	TT	1940137437

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11593_33090124	NC_021160.1	Ca_kabuli_chr01	33090124	GG	AA	1940137439
SNP_P1_11594_33091129	NC_021160.1	Ca_kabuli_chr01	33091129	CC	TT	1940137440
SNP_P1_11595_33091151	NC_021160.1	Ca_kabuli_chr01	33091151	CC	TT	1940137441
SNP_P1_11596_33092829	NC_021160.1	Ca_kabuli_chr01	33092829	TT	CC	1940137442
SNP_P1_11597_33092949	NC_021160.1	Ca_kabuli_chr01	33092949	TT	CC	1940137443
SNP_P1_11598_33092968	NC_021160.1	Ca_kabuli_chr01	33092968	GG	AA	1940137444
SNP_P1_11599_33096989	NC_021160.1	Ca_kabuli_chr01	33096989	TT	CC	1940137446
SNP_P1_11600_33100904	NC_021160.1	Ca_kabuli_chr01	33100904	GG	AA	1940137447
SNP_P1_11601_33102182	NC_021160.1	Ca_kabuli_chr01	33102182	CC	TT	1940137448
SNP_P1_11602_33102188	NC_021160.1	Ca_kabuli_chr01	33102188	TT	CC	1940137449
SNP_P1_11604_33102597	NC_021160.1	Ca_kabuli_chr01	33102597	GG	TT	1940137450
SNP_P1_11605_33102894	NC_021160.1	Ca_kabuli_chr01	33102894	AA	CC	1940137451
SNP_P1_11606_33104155	NC_021160.1	Ca_kabuli_chr01	33104155	AA	GG	1940137452
SNP_P1_11607_33104158	NC_021160.1	Ca_kabuli_chr01	33104158	TT	CC	1940137453
SNP_P1_11609_33104238	NC_021160.1	Ca_kabuli_chr01	33104238	GG	TT	1940137454
SNP_P1_11610_33105096	NC_021160.1	Ca_kabuli_chr01	33105096	GG	AA	1940137455
SNP_P1_11612_33105702	NC_021160.1	Ca_kabuli_chr01	33105702	CC	TT	1940137456
SNP_P1_11613_33109665	NC_021160.1	Ca_kabuli_chr01	33109665	GG	AA	1940137457
SNP_P1_11614_33110484	NC_021160.1	Ca_kabuli_chr01	33110484	TT	CC	1940137458
SNP_P1_11615_33112399	NC_021160.1	Ca_kabuli_chr01	33112399	CC	TT	1940137459
SNP_P1_11616_33112701	NC_021160.1	Ca_kabuli_chr01	33112701	CC	TT	1940137460
SNP_P1_11617_33116036	NC_021160.1	Ca_kabuli_chr01	33116036	GG	AA	1940137461
SNP_P1_11618_33116134	NC_021160.1	Ca_kabuli_chr01	33116134	CC	AA	1940137462
SNP_P1_11620_33119286	NC_021160.1	Ca_kabuli_chr01	33119286	GG	CC	1940137463
SNP_P1_11621_33119886	NC_021160.1	Ca_kabuli_chr01	33119886	AA	GG	1940137464
SNP_P1_11622_33120433	NC_021160.1	Ca_kabuli_chr01	33120433	GG	CC	1940137465
SNP_P1_11624_33124950	NC_021160.1	Ca_kabuli_chr01	33124950	GG	AA	1940137466
SNP_P1_11625_33126830	NC_021160.1	Ca_kabuli_chr01	33126830	TT	CC	1940137467
SNP_P1_11626_33128667	NC_021160.1	Ca_kabuli_chr01	33128667	TT	CC	1940137468
SNP_P1_11627_33129493	NC_021160.1	Ca_kabuli_chr01	33129493	GG	TT	1940137469
SNP_P1_11628_33129567	NC_021160.1	Ca_kabuli_chr01	33129567	TT	CC	1940137470
SNP_P1_11629_33129615	NC_021160.1	Ca_kabuli_chr01	33129615	CC	TT	1940137471
SNP_P1_11630_33129622	NC_021160.1	Ca_kabuli_chr01	33129622	CC	TT	1940137472
SNP_P1_11631_33129762	NC_021160.1	Ca_kabuli_chr01	33129762	TT	CC	1940137473
SNP_P1_11632_33129967	NC_021160.1	Ca_kabuli_chr01	33129967	CC	AA	1940137474
SNP_P1_11633_33129995	NC_021160.1	Ca_kabuli_chr01	33129995	GG	AA	1940137475
SNP_P1_11634_33130125	NC_021160.1	Ca_kabuli_chr01	33130125	AA	CC	1940137476
SNP_P1_11635_33130149	NC_021160.1	Ca_kabuli_chr01	33130149	AA	GG	1940137478
SNP_P1_11636_33130204	NC_021160.1	Ca_kabuli_chr01	33130204	AA	CC	1940137479
SNP_P1_11637_33130899	NC_021160.1	Ca_kabuli_chr01	33130899	AA	GG	1940137480
SNP_P1_11638_33130933	NC_021160.1	Ca_kabuli_chr01	33130933	CC	TT	1940137481

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11641_33137053	NC_021160.1	Ca_kabuli_chr01	33137053	TT	CC	1940137483
SNP_P1_11642_33140157	NC_021160.1	Ca_kabuli_chr01	33140157	GG	AA	1940137484
SNP_P1_11643_33140444	NC_021160.1	Ca_kabuli_chr01	33140444	CC	AA	1940137485
SNP_P1_11644_33140833	NC_021160.1	Ca_kabuli_chr01	33140833	GG	AA	1940137486
SNP_P1_11645_33140839	NC_021160.1	Ca_kabuli_chr01	33140839	TT	GG	1940137487
SNP_P1_11646_33140847	NC_021160.1	Ca_kabuli_chr01	33140847	CC	AA	1940137488
SNP_P1_11647_33140882	NC_021160.1	Ca_kabuli_chr01	33140882	AA	GG	1940137489
SNP_P1_11648_33141209	NC_021160.1	Ca_kabuli_chr01	33141209	AA	GG	1940137490
SNP_P1_11649_33141589	NC_021160.1	Ca_kabuli_chr01	33141589	AA	GG	1940137491
SNP_P1_11650_33142146	NC_021160.1	Ca_kabuli_chr01	33142146	TT	CC	1940137492
SNP_P1_11651_33142353	NC_021160.1	Ca_kabuli_chr01	33142353	TT	CC	1940137493
SNP_P1_11653_33147893	NC_021160.1	Ca_kabuli_chr01	33147893	GG	TT	1940137494
SNP_P1_11654_33154299	NC_021160.1	Ca_kabuli_chr01	33154299	GG	AA	1940137495
SNP_P1_11655_33155210	NC_021160.1	Ca_kabuli_chr01	33155210	GG	AA	1940137496
SNP_P1_11656_33159046	NC_021160.1	Ca_kabuli_chr01	33159046	AA	GG	1940137497
SNP_P1_11657_33159070	NC_021160.1	Ca_kabuli_chr01	33159070	AA	GG	1940137498
SNP_P1_11658_33159198	NC_021160.1	Ca_kabuli_chr01	33159198	AA	GG	1940137499
SNP_P1_11659_33159225	NC_021160.1	Ca_kabuli_chr01	33159225	GG	CC	1940137500
SNP_P1_11660_33160509	NC_021160.1	Ca_kabuli_chr01	33160509	CC	AA	1940137501
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SNP_P1_11662_33161134	NC_021160.1	Ca_kabuli_chr01	33161134	CC	TT	1940137503
SNP_P1_11663_33161893	NC_021160.1	Ca_kabuli_chr01	33161893	CC	TT	1940137504
SNP_P1_11664_33162980	NC_021160.1	Ca_kabuli_chr01	33162980	GG	TT	1940137505
SNP_P1_11665_33164765	NC_021160.1	Ca_kabuli_chr01	33164765	GG	AA	1940137506
SNP_P1_11666_33165631	NC_021160.1	Ca_kabuli_chr01	33165631	CC	TT	1940137507
SNP_P1_11667_33165961	NC_021160.1	Ca_kabuli_chr01	33165961	CC	TT	1940137508
SNP_P1_11669_33167637	NC_021160.1	Ca_kabuli_chr01	33167637	TT	CC	1940137509
SNP_P1_11670_33167731	NC_021160.1	Ca_kabuli_chr01	33167731	AA	TT	1940137510
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SNP_P1_11672_33169919	NC_021160.1	Ca_kabuli_chr01	33169919	TT	AA	1940137513
SNP_P1_11673_33171359	NC_021160.1	Ca_kabuli_chr01	33171359	CC	TT	1940137514
SNP_P1_11674_33182449	NC_021160.1	Ca_kabuli_chr01	33182449	GG	AA	1940137515
SNP_P1_11675_33183717	NC_021160.1	Ca_kabuli_chr01	33183717	TT	CC	1940137516
SNP_P1_11676_33186713	NC_021160.1	Ca_kabuli_chr01	33186713	TT	GG	1940137517
SNP_P1_11678_33198189	NC_021160.1	Ca_kabuli_chr01	33198189	TT	CC	1940137518
SNP_P1_11679_33199610	NC_021160.1	Ca_kabuli_chr01	33199610	TT	CC	1940137519
SNP_P1_11680_33203622	NC_021160.1	Ca_kabuli_chr01	33203622	CC	AA	1940137520
SNP_P1_11681_33207715	NC_021160.1	Ca_kabuli_chr01	33207715	CC	TT	1940137521
SNP_P1_11682_33207749	NC_021160.1	Ca_kabuli_chr01	33207749	TT	GG	1940137522
SNP_P1_11683_33207771	NC_021160.1	Ca_kabuli_chr01	33207771	GG	AA	1940137523
SNP_P1_11684_33207820	NC_021160.1	Ca_kabuli_chr01	33207820	TT	GG	1940137524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11686_33210572	NC_021160.1	Ca_kabuli_chr01	33210572	CC	TT	1940137526
SNP_P1_11687_33210696	NC_021160.1	Ca_kabuli_chr01	33210696	CC	TT	1940137527
SNP_P1_11688_33212492	NC_021160.1	Ca_kabuli_chr01	33212492	AA	CC	1940137528
SNP_P1_11689_33212493	NC_021160.1	Ca_kabuli_chr01	33212493	AA	CC	1940137529
SNP_P1_11690_33213016	NC_021160.1	Ca_kabuli_chr01	33213016	GG	TT	1940137530
SNP_P1_11691_33219852	NC_021160.1	Ca_kabuli_chr01	33219852	AA	TT	1940137531
SNP_P1_11692_33219873	NC_021160.1	Ca_kabuli_chr01	33219873	AA	TT	1940137532
SNP_P1_11693_33219921	NC_021160.1	Ca_kabuli_chr01	33219921	GG	CC	1940137533
SNP_P1_11695_33231811	NC_021160.1	Ca_kabuli_chr01	33231811	GG	AA	1940137534
SNP_P1_11696_33237205	NC_021160.1	Ca_kabuli_chr01	33237205	CC	AA	1940137535
SNP_P1_11698_33237391	NC_021160.1	Ca_kabuli_chr01	33237391	GG	AA	1940137536
SNP_P1_11699_33237720	NC_021160.1	Ca_kabuli_chr01	33237720	CC	TT	1940137537
SNP_P1_11700_33241421	NC_021160.1	Ca_kabuli_chr01	33241421	CC	TT	1940137538
SNP_P1_11701_33241489	NC_021160.1	Ca_kabuli_chr01	33241489	TT	GG	1940137539
SNP_P1_11702_33241726	NC_021160.1	Ca_kabuli_chr01	33241726	TT	CC	1940137540
SNP_P1_11703_33242184	NC_021160.1	Ca_kabuli_chr01	33242184	AA	GG	1940137541
SNP_P1_11704_33243288	NC_021160.1	Ca_kabuli_chr01	33243288	GG	TT	1940137542
SNP_P1_11706_33244781	NC_021160.1	Ca_kabuli_chr01	33244781	TT	GG	1940137543
SNP_P1_11707_33244795	NC_021160.1	Ca_kabuli_chr01	33244795	GG	TT	1940137544
SNP_P1_11708_33245109	NC_021160.1	Ca_kabuli_chr01	33245109	AA	GG	1940137546
SNP_P1_11709_33245136	NC_021160.1	Ca_kabuli_chr01	33245136	GG	TT	1940137547
SNP_P1_11710_33245175	NC_021160.1	Ca_kabuli_chr01	33245175	CC	TT	1940137548
SNP_P1_11711_33245270	NC_021160.1	Ca_kabuli_chr01	33245270	GG	AA	1940137549
SNP_P1_11712_33245489	NC_021160.1	Ca_kabuli_chr01	33245489	AA	CC	1940137550
SNP_P1_11713_33246550	NC_021160.1	Ca_kabuli_chr01	33246550	CC	TT	1940137551
SNP_P1_11715_33248055	NC_021160.1	Ca_kabuli_chr01	33248055	AA	GG	1940137552
SNP_P1_11716_33250285	NC_021160.1	Ca_kabuli_chr01	33250285	TT	CC	1940137553
SNP_P1_11717_33251838	NC_021160.1	Ca_kabuli_chr01	33251838	AA	GG	1940137554
SNP_P1_11719_33253309	NC_021160.1	Ca_kabuli_chr01	33253309	GG	CC	1940137555
SNP_P1_11720_33256132	NC_021160.1	Ca_kabuli_chr01	33256132	TT	CC	1940137556
SNP_P1_11721_33256350	NC_021160.1	Ca_kabuli_chr01	33256350	GG	AA	1940137557
SNP_P1_11722_33257916	NC_021160.1	Ca_kabuli_chr01	33257916	GG	TT	1940137558
SNP_P1_11723_33258501	NC_021160.1	Ca_kabuli_chr01	33258501	TT	AA	1940137559
SNP_P1_11724_33258718	NC_021160.1	Ca_kabuli_chr01	33258718	TT	CC	1940137560
SNP_P1_11726_33258905	NC_021160.1	Ca_kabuli_chr01	33258905	TT	CC	1940137561
SNP_P1_11727_33259055	NC_021160.1	Ca_kabuli_chr01	33259055	GG	AA	1940137562
SNP_P1_11728_33259058	NC_021160.1	Ca_kabuli_chr01	33259058	GG	AA	1940137563
SNP_P1_11729_33259193	NC_021160.1	Ca_kabuli_chr01	33259193	TT	CC	1940137564
SNP_P1_11730_33259775	NC_021160.1	Ca_kabuli_chr01	33259775	GG	CC	1940137565
SNP_P1_11731_33261877	NC_021160.1	Ca_kabuli_chr01	33261877	CC	TT	1940137566
SNP_P1_11732_33265996	NC_021160.1	Ca_kabuli_chr01	33265996	TT	CC	1940137567

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11734_33269323	NC_021160.1	Ca_kabuli_chr01	33269323	GG	AA	1940137569
SNP_P1_11736_33269574	NC_021160.1	Ca_kabuli_chr01	33269574	AA	TT	1940137570
SNP_P1_11737_33269607	NC_021160.1	Ca_kabuli_chr01	33269607	GG	TT	1940137571
SNP_P1_11738_33271006	NC_021160.1	Ca_kabuli_chr01	33271006	CC	AA	1940137572
SNP_P1_11739_33275169	NC_021160.1	Ca_kabuli_chr01	33275169	TT	CC	1940137573
SNP_P1_11740_33275635	NC_021160.1	Ca_kabuli_chr01	33275635	AA	GG	1940137575
SNP_P1_11741_33276794	NC_021160.1	Ca_kabuli_chr01	33276794	CC	TT	1940137576
SNP_P1_11742_33277136	NC_021160.1	Ca_kabuli_chr01	33277136	GG	TT	1940137577
SNP_P1_11743_33277726	NC_021160.1	Ca_kabuli_chr01	33277726	GG	AA	1940137578
SNP_P1_11744_33278035	NC_021160.1	Ca_kabuli_chr01	33278035	CC	TT	1940137579
SNP_P1_11745_33278256	NC_021160.1	Ca_kabuli_chr01	33278256	CC	AA	1940137580
SNP_P1_11746_33278312	NC_021160.1	Ca_kabuli_chr01	33278312	AA	GG	1940137581
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SNP_P1_11749_33278631	NC_021160.1	Ca_kabuli_chr01	33278631	CC	TT	1940137584
SNP_P1_11750_33278944	NC_021160.1	Ca_kabuli_chr01	33278944	CC	TT	1940137585
SNP_P1_11751_33281198	NC_021160.1	Ca_kabuli_chr01	33281198	TT	CC	1940137586
SNP_P1_11752_33284374	NC_021160.1	Ca_kabuli_chr01	33284374	AA	CC	1940137587
SNP_P1_11753_33285379	NC_021160.1	Ca_kabuli_chr01	33285379	GG	AA	1940137588
SNP_P1_11754_33285598	NC_021160.1	Ca_kabuli_chr01	33285598	CC	AA	1940137589
SNP_P1_11755_33286492	NC_021160.1	Ca_kabuli_chr01	33286492	GG	AA	1940137590
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SNP_P1_11764_33291530	NC_021160.1	Ca_kabuli_chr01	33291530	CC	TT	1940137598
SNP_P1_11765_33292908	NC_021160.1	Ca_kabuli_chr01	33292908	AA	TT	1940137599
SNP_P1_11766_33293364	NC_021160.1	Ca_kabuli_chr01	33293364	CC	TT	1940137600
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SNP_P1_11768_33296185	NC_021160.1	Ca_kabuli_chr01	33296185	CC	TT	1940137602
SNP_P1_11769_33297837	NC_021160.1	Ca_kabuli_chr01	33297837	GG	AA	1940137603
SNP_P1_11770_33300628	NC_021160.1	Ca_kabuli_chr01	33300628	AA	GG	1940137604
SNP_P1_11772_33301260	NC_021160.1	Ca_kabuli_chr01	33301260	TT	CC	1940137605
SNP_P1_11774_33302299	NC_021160.1	Ca_kabuli_chr01	33302299	TT	GG	1940137606
SNP_P1_11775_33303140	NC_021160.1	Ca_kabuli_chr01	33303140	CC	GG	1940137607
SNP_P1_11776_33303756	NC_021160.1	Ca_kabuli_chr01	33303756	GG	AA	1940137609
SNP_P1_11777_33303922	NC_021160.1	Ca_kabuli_chr01	33303922	CC	TT	1940137610
SNP_P1_11778_33304502	NC_021160.1	Ca_kabuli_chr01	33304502	GG	AA	1940137611

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11781_33307448	NC_021160.1	Ca_kabuli_chr01	33307448	GG	AA	1940137614
SNP_P1_11782_33307490	NC_021160.1	Ca_kabuli_chr01	33307490	AA	TT	1940137615
SNP_P1_11783_33307511	NC_021160.1	Ca_kabuli_chr01	33307511	TT	CC	1940137616
SNP_P1_11784_33307732	NC_021160.1	Ca_kabuli_chr01	33307732	GG	TT	1940137617
SNP_P1_11785_33307771	NC_021160.1	Ca_kabuli_chr01	33307771	AA	CC	1940137618
SNP_P1_11786_33307784	NC_021160.1	Ca_kabuli_chr01	33307784	GG	AA	1940137619
SNP_P1_11787_33307788	NC_021160.1	Ca_kabuli_chr01	33307788	AA	GG	1940137620
SNP_P1_11788_33307920	NC_021160.1	Ca_kabuli_chr01	33307920	AA	GG	1940137621
SNP_P1_11789_33307984	NC_021160.1	Ca_kabuli_chr01	33307984	AA	GG	1940137622
SNP_P1_11790_33309330	NC_021160.1	Ca_kabuli_chr01	33309330	CC	TT	1940137623
SNP_P1_11791_33310543	NC_021160.1	Ca_kabuli_chr01	33310543	CC	TT	1940137624
SNP_P1_11792_33315913	NC_021160.1	Ca_kabuli_chr01	33315913	CC	AA	1940137625
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SNP_P1_11796_33319554	NC_021160.1	Ca_kabuli_chr01	33319554	GG	AA	1940137629
SNP_P1_11797_33319577	NC_021160.1	Ca_kabuli_chr01	33319577	AA	GG	1940137630
SNP_P1_11798_33320186	NC_021160.1	Ca_kabuli_chr01	33320186	AA	GG	1940137631
SNP_P1_11799_33320320	NC_021160.1	Ca_kabuli_chr01	33320320	GG	TT	1940137632
SNP_P1_11800_33322485	NC_021160.1	Ca_kabuli_chr01	33322485	GG	AA	1940137633
SNP_P1_11801_33325338	NC_021160.1	Ca_kabuli_chr01	33325338	CC	TT	1940137634
SNP_P1_11803_33329176	NC_021160.1	Ca_kabuli_chr01	33329176	AA	GG	1940137635
SNP_P1_11804_33329400	NC_021160.1	Ca_kabuli_chr01	33329400	TT	AA	1940137636
SNP_P1_11805_33329949	NC_021160.1	Ca_kabuli_chr01	33329949	AA	GG	1940137637
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SNP_P1_11807_33333747	NC_021160.1	Ca_kabuli_chr01	33333747	AA	GG	1940137640
SNP_P1_11808_33333750	NC_021160.1	Ca_kabuli_chr01	33333750	AA	CC	1940137641
SNP_P1_11809_33333785	NC_021160.1	Ca_kabuli_chr01	33333785	AA	GG	1940137642
SNP_P1_11810_33333958	NC_021160.1	Ca_kabuli_chr01	33333958	GG	AA	1940137643
SNP_P1_11811_33334025	NC_021160.1	Ca_kabuli_chr01	33334025	CC	AA	1940137644
SNP_P1_11812_33334048	NC_021160.1	Ca_kabuli_chr01	33334048	TT	AA	1940137645
SNP_P1_11813_33334847	NC_021160.1	Ca_kabuli_chr01	33334847	TT	AA	1940137646
SNP_P1_11814_33334849	NC_021160.1	Ca_kabuli_chr01	33334849	TT	CC	1940137647
SNP_P1_11815_33335111	NC_021160.1	Ca_kabuli_chr01	33335111	AA	GG	1940137648
SNP_P1_11816_33335204	NC_021160.1	Ca_kabuli_chr01	33335204	TT	CC	1940137649
SNP_P1_11818_33335513	NC_021160.1	Ca_kabuli_chr01	33335513	AA	GG	1940137650
SNP_P1_11819_33336009	NC_021160.1	Ca_kabuli_chr01	33336009	AA	GG	1940137651
SNP_P1_11821_33338797	NC_021160.1	Ca_kabuli_chr01	33338797	AA	GG	1940137652
SNP_P1_11822_33338807	NC_021160.1	Ca_kabuli_chr01	33338807	TT	CC	1940137653
SNP_P1_11823_33338812	NC_021160.1	Ca_kabuli_chr01	33338812	AA	GG	1940137654

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11825_33339320	NC_021160.1	Ca_kabuli_chr01	33339320	AA	CC	1940137656
SNP_P1_11826_33339363	NC_021160.1	Ca_kabuli_chr01	33339363	CC	GG	1940137657
SNP_P1_11827_33340560	NC_021160.1	Ca_kabuli_chr01	33340560	TT	CC	1940137658
SNP_P1_11828_33341309	NC_021160.1	Ca_kabuli_chr01	33341309	AA	GG	1940137659
SNP_P1_11829_33341512	NC_021160.1	Ca_kabuli_chr01	33341512	AA	TT	1940137660
SNP_P1_11830_33342342	NC_021160.1	Ca_kabuli_chr01	33342342	CC	AA	1940137662
SNP_P1_11831_33342503	NC_021160.1	Ca_kabuli_chr01	33342503	CC	AA	1940137663
SNP_P1_11832_33342682	NC_021160.1	Ca_kabuli_chr01	33342682	CC	TT	1940137664
SNP_P1_11833_33343005	NC_021160.1	Ca_kabuli_chr01	33343005	GG	CC	1940137665
SNP_P1_11834_33343307	NC_021160.1	Ca_kabuli_chr01	33343307	GG	TT	1940137666
SNP_P1_11835_33343953	NC_021160.1	Ca_kabuli_chr01	33343953	AA	GG	1940137667
SNP_P1_11836_33345576	NC_021160.1	Ca_kabuli_chr01	33345576	CC	GG	1940137668
SNP_P1_11837_33346560	NC_021160.1	Ca_kabuli_chr01	33346560	GG	AA	1940137669
SNP_P1_11838_33348540	NC_021160.1	Ca_kabuli_chr01	33348540	GG	AA	1940137670
SNP_P1_11839_33349265	NC_021160.1	Ca_kabuli_chr01	33349265	TT	AA	1940137671
SNP_P1_11840_33349845	NC_021160.1	Ca_kabuli_chr01	33349845	CC	TT	1940137672
SNP_P1_11841_33350143	NC_021160.1	Ca_kabuli_chr01	33350143	CC	TT	1940137673
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SNP_P1_11846_33352113	NC_021160.1	Ca_kabuli_chr01	33352113	TT	GG	1940137679
SNP_P1_11847_33352282	NC_021160.1	Ca_kabuli_chr01	33352282	AA	CC	1940137680
SNP_P1_11848_33352375	NC_021160.1	Ca_kabuli_chr01	33352375	TT	GG	1940137681
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SNP_P1_11852_33354074	NC_021160.1	Ca_kabuli_chr01	33354074	AA	TT	1940137683
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SNP_P1_11856_33357708	NC_021160.1	Ca_kabuli_chr01	33357708	TT	GG	1940137686
SNP_P1_11857_33358398	NC_021160.1	Ca_kabuli_chr01	33358398	AA	GG	1940137687
SNP_P1_11858_33358964	NC_021160.1	Ca_kabuli_chr01	33358964	AA	CC	1940137688
SNP_P1_11859_33360136	NC_021160.1	Ca_kabuli_chr01	33360136	GG	TT	1940137689
SNP_P1_11860_33360591	NC_021160.1	Ca_kabuli_chr01	33360591	GG	AA	1940137690
SNP_P1_11861_33361696	NC_021160.1	Ca_kabuli_chr01	33361696	GG	TT	1940137691
SNP_P1_11862_33361917	NC_021160.1	Ca_kabuli_chr01	33361917	CC	TT	1940137692
SNP_P1_11863_33365068	NC_021160.1	Ca_kabuli_chr01	33365068	GG	CC	1940137693
SNP_P1_11864_33365322	NC_021160.1	Ca_kabuli_chr01	33365322	TT	AA	1940137694
SNP_P1_11865_33366837	NC_021160.1	Ca_kabuli_chr01	33366837	GG	AA	1940137695
SNP_P1_11866_33366853	NC_021160.1	Ca_kabuli_chr01	33366853	CC	TT	1940137696
SNP_P1_11867_33369222	NC_021160.1	Ca_kabuli_chr01	33369222	CC	TT	1940137697
SNP_P1_11868_33371086	NC_021160.1	Ca_kabuli_chr01	33371086	GG	AA	1940137698

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11871_33378498	NC_021160.1	Ca_kabuli_chr01	33378498	AA	GG	1940137701
SNP_P1_11873_33379867	NC_021160.1	Ca_kabuli_chr01	33379867	GG	TT	1940137702
SNP_P1_11874_33384244	NC_021160.1	Ca_kabuli_chr01	33384244	GG	CC	1940137703
SNP_P1_11875_33384596	NC_021160.1	Ca_kabuli_chr01	33384596	AA	GG	1940137704
SNP_P1_11876_33385420	NC_021160.1	Ca_kabuli_chr01	33385420	TT	GG	1940137706
SNP_P1_11877_33388334	NC_021160.1	Ca_kabuli_chr01	33388334	TT	CC	1940137707
SNP_P1_11878_33388460	NC_021160.1	Ca_kabuli_chr01	33388460	AA	TT	1940137708
SNP_P1_11879_33389465	NC_021160.1	Ca_kabuli_chr01	33389465	GG	AA	1940137709
SNP_P1_11880_33389493	NC_021160.1	Ca_kabuli_chr01	33389493	CC	AA	1940137710
SNP_P1_11881_33389665	NC_021160.1	Ca_kabuli_chr01	33389665	TT	CC	1940137711
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SNP_P1_11883_33393443	NC_021160.1	Ca_kabuli_chr01	33393443	GG	AA	1940137713
SNP_P1_11884_33394216	NC_021160.1	Ca_kabuli_chr01	33394216	GG	TT	1940137714
SNP_P1_11885_33394703	NC_021160.1	Ca_kabuli_chr01	33394703	AA	GG	1940137715
SNP_P1_11886_33394863	NC_021160.1	Ca_kabuli_chr01	33394863	TT	CC	1940137716
SNP_P1_11887_33398224	NC_021160.1	Ca_kabuli_chr01	33398224	TT	CC	1940137717
SNP_P1_11888_33400433	NC_021160.1	Ca_kabuli_chr01	33400433	GG	AA	1940137718
SNP_P1_11889_33400603	NC_021160.1	Ca_kabuli_chr01	33400603	TT	CC	1940137719
SNP_P1_11891_33402115	NC_021160.1	Ca_kabuli_chr01	33402115	TT	CC	1940137720
SNP_P1_11892_33404640	NC_021160.1	Ca_kabuli_chr01	33404640	AA	CC	1940137721
SNP_P1_11893_33407796	NC_021160.1	Ca_kabuli_chr01	33407796	AA	GG	1940137722
SNP_P1_11894_33419936	NC_021160.1	Ca_kabuli_chr01	33419936	CC	TT	1940137723
SNP_P1_11895_33420043	NC_021160.1	Ca_kabuli_chr01	33420043	AA	CC	1940137724
SNP_P1_11896_33420065	NC_021160.1	Ca_kabuli_chr01	33420065	GG	TT	1940137725
SNP_P1_11897_33421704	NC_021160.1	Ca_kabuli_chr01	33421704	TT	AA	1940137726
SNP_P1_11898_33425407	NC_021160.1	Ca_kabuli_chr01	33425407	CC	AA	1940137727
SNP_P1_11899_33426670	NC_021160.1	Ca_kabuli_chr01	33426670	CC	AA	1940137728
SNP_P1_11900_33428249	NC_021160.1	Ca_kabuli_chr01	33428249	AA	GG	1940137729
SNP_P1_11901_33442314	NC_021160.1	Ca_kabuli_chr01	33442314	GG	AA	1940137730
SNP_P1_11902_33446000	NC_021160.1	Ca_kabuli_chr01	33446000	GG	AA	1940137731
SNP_P1_11903_33446556	NC_021160.1	Ca_kabuli_chr01	33446556	CC	AA	1940137732
SNP_P1_11905_33458903	NC_021160.1	Ca_kabuli_chr01	33458903	AA	TT	1940137733
SNP_P1_11906_33459119	NC_021160.1	Ca_kabuli_chr01	33459119	AA	GG	1940137734
SNP_P1_11907_33459195	NC_021160.1	Ca_kabuli_chr01	33459195	AA	GG	1940137735
SNP_P1_11908_33459219	NC_021160.1	Ca_kabuli_chr01	33459219	CC	AA	1940137736
SNP_P1_11909_33459222	NC_021160.1	Ca_kabuli_chr01	33459222	AA	TT	1940137738
SNP_P1_11910_33459232	NC_021160.1	Ca_kabuli_chr01	33459232	TT	CC	1940137739
SNP_P1_11911_33462887	NC_021160.1	Ca_kabuli_chr01	33462887	AA	GG	1940137740
SNP_P1_11912_33462989	NC_021160.1	Ca_kabuli_chr01	33462989	TT	GG	1940137741
SNP_P1_11913_33465500	NC_021160.1	Ca_kabuli_chr01	33465500	CC	TT	1940137742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11915_33468594	NC_021160.1	Ca_kabuli_chr01	33468594	TT	GG	1940137744
SNP_P1_11916_33468905	NC_021160.1	Ca_kabuli_chr01	33468905	TT	CC	1940137745
SNP_P1_11917_33476318	NC_021160.1	Ca_kabuli_chr01	33476318	CC	GG	1940137746
SNP_P1_11918_33477300	NC_021160.1	Ca_kabuli_chr01	33477300	AA	TT	1940137747
SNP_P1_11919_33478745	NC_021160.1	Ca_kabuli_chr01	33478745	GG	AA	1940137748
SNP_P1_11920_33485239	NC_021160.1	Ca_kabuli_chr01	33485239	AA	GG	1940137749
SNP_P1_11921_33488462	NC_021160.1	Ca_kabuli_chr01	33488462	AA	TT	1940137750
SNP_P1_11922_33488548	NC_021160.1	Ca_kabuli_chr01	33488548	CC	AA	1940137751
SNP_P1_11923_33488565	NC_021160.1	Ca_kabuli_chr01	33488565	AA	GG	1940137752
SNP_P1_11924_33488626	NC_021160.1	Ca_kabuli_chr01	33488626	CC	AA	1940137753
SNP_P1_11925_33488663	NC_021160.1	Ca_kabuli_chr01	33488663	TT	CC	1940137754
SNP_P1_11926_33488691	NC_021160.1	Ca_kabuli_chr01	33488691	AA	CC	1940137755
SNP_P1_11927_33488965	NC_021160.1	Ca_kabuli_chr01	33488965	TT	GG	1940137756
SNP_P1_11928_33489005	NC_021160.1	Ca_kabuli_chr01	33489005	TT	GG	1940137757
SNP_P1_11929_33489291	NC_021160.1	Ca_kabuli_chr01	33489291	AA	CC	1940137758
SNP_P1_11930_33489551	NC_021160.1	Ca_kabuli_chr01	33489551	GG	TT	1940137759
SNP_P1_11931_33493444	NC_021160.1	Ca_kabuli_chr01	33493444	GG	CC	1940137760
SNP_P1_11932_33493490	NC_021160.1	Ca_kabuli_chr01	33493490	AA	GG	1940137761
SNP_P1_11933_33501466	NC_021160.1	Ca_kabuli_chr01	33501466	TT	GG	1940137762
SNP_P1_11934_33502297	NC_021160.1	Ca_kabuli_chr01	33502297	AA	GG	1940137763
SNP_P1_11935_33502484	NC_021160.1	Ca_kabuli_chr01	33502484	TT	CC	1940137764
SNP_P1_11936_33503746	NC_021160.1	Ca_kabuli_chr01	33503746	AA	GG	1940137765
SNP_P1_11937_33503807	NC_021160.1	Ca_kabuli_chr01	33503807	TT	GG	1940137766
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SNP_P1_11941_33506013	NC_021160.1	Ca_kabuli_chr01	33506013	AA	GG	1940137770
SNP_P1_11942_33506059	NC_021160.1	Ca_kabuli_chr01	33506059	TT	GG	1940137772
SNP_P1_11943_33506072	NC_021160.1	Ca_kabuli_chr01	33506072	AA	CC	1940137773
SNP_P1_11944_33506439	NC_021160.1	Ca_kabuli_chr01	33506439	TT	GG	1940137774
SNP_P1_11945_33506486	NC_021160.1	Ca_kabuli_chr01	33506486	TT	CC	1940137775
SNP_P1_11946_33508336	NC_021160.1	Ca_kabuli_chr01	33508336	GG	TT	1940137776
SNP_P1_11947_33508345	NC_021160.1	Ca_kabuli_chr01	33508345	AA	TT	1940137777
SNP_P1_11948_33508432	NC_021160.1	Ca_kabuli_chr01	33508432	AA	GG	1940137778
SNP_P1_11949_33509657	NC_021160.1	Ca_kabuli_chr01	33509657	TT	GG	1940137779
SNP_P1_11950_33514088	NC_021160.1	Ca_kabuli_chr01	33514088	TT	CC	1940137780
SNP_P1_11951_33520082	NC_021160.1	Ca_kabuli_chr01	33520082	CC	TT	1940137781
SNP_P1_11952_33526951	NC_021160.1	Ca_kabuli_chr01	33526951	TT	CC	1940137782
SNP_P1_11954_33531447	NC_021160.1	Ca_kabuli_chr01	33531447	GG	AA	1940137783
SNP_P1_11955_33532349	NC_021160.1	Ca_kabuli_chr01	33532349	TT	CC	1940137784
SNP_P1_11956_33534631	NC_021160.1	Ca_kabuli_chr01	33534631	TT	CC	1940137785

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_11959_33542102	NC_021160.1	Ca_kabuli_chr01	33542102	AA	GG	1940137788
SNP_P1_11960_33544657	NC_021160.1	Ca_kabuli_chr01	33544657	AA	GG	1940137790
SNP_P1_11961_33544826	NC_021160.1	Ca_kabuli_chr01	33544826	TT	CC	1940137791
SNP_P1_11962_33545907	NC_021160.1	Ca_kabuli_chr01	33545907	TT	GG	1940137792
SNP_P1_11964_33546456	NC_021160.1	Ca_kabuli_chr01	33546456	TT	CC	1940137793
SNP_P1_11965_33549033	NC_021160.1	Ca_kabuli_chr01	33549033	CC	TT	1940137794
SNP_P1_11966_33549569	NC_021160.1	Ca_kabuli_chr01	33549569	CC	GG	1940137795
SNP_P1_11967_33549910	NC_021160.1	Ca_kabuli_chr01	33549910	CC	TT	1940137796
SNP_P1_11968_33553897	NC_021160.1	Ca_kabuli_chr01	33553897	TT	AA	1940137797
SNP_P1_11969_33553937	NC_021160.1	Ca_kabuli_chr01	33553937	AA	GG	1940137798
SNP_P1_11971_33562137	NC_021160.1	Ca_kabuli_chr01	33562137	GG	AA	1940137799
SNP_P1_11972_33565243	NC_021160.1	Ca_kabuli_chr01	33565243	CC	TT	1940137800
SNP_P1_11973_33565641	NC_021160.1	Ca_kabuli_chr01	33565641	AA	GG	1940137801
SNP_P1_11974_33565811	NC_021160.1	Ca_kabuli_chr01	33565811	TT	CC	1940137802
SNP_P1_11975_33566085	NC_021160.1	Ca_kabuli_chr01	33566085	TT	GG	1940137803
SNP_P1_11976_33566275	NC_021160.1	Ca_kabuli_chr01	33566275	CC	TT	1940137804
SNP_P1_11979_33569402	NC_021160.1	Ca_kabuli_chr01	33569402	TT	CC	1940137805
SNP_P1_11980_33569947	NC_021160.1	Ca_kabuli_chr01	33569947	CC	GG	1940137806
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SNP_P1_11982_33571708	NC_021160.1	Ca_kabuli_chr01	33571708	AA	CC	1940137808
SNP_P1_11983_33573478	NC_021160.1	Ca_kabuli_chr01	33573478	TT	AA	1940137810
SNP_P1_11984_33574730	NC_021160.1	Ca_kabuli_chr01	33574730	TT	CC	1940137811
SNP_P1_11986_33580198	NC_021160.1	Ca_kabuli_chr01	33580198	CC	TT	1940137812
SNP_P1_11987_33591821	NC_021160.1	Ca_kabuli_chr01	33591821	CC	AA	1940137813
SNP_P1_11988_33591825	NC_021160.1	Ca_kabuli_chr01	33591825	GG	AA	1940137814
SNP_P1_11989_33596887	NC_021160.1	Ca_kabuli_chr01	33596887	CC	TT	1940137815
SNP_P1_11991_33603003	NC_021160.1	Ca_kabuli_chr01	33603003	AA	CC	1940137816
SNP_P1_11993_33603813	NC_021160.1	Ca_kabuli_chr01	33603813	TT	CC	1940137817
SNP_P1_11994_33609846	NC_021160.1	Ca_kabuli_chr01	33609846	TT	AA	1940137818
SNP_P1_11995_33609959	NC_021160.1	Ca_kabuli_chr01	33609959	CC	TT	1940137819
SNP_P1_11997_33630870	NC_021160.1	Ca_kabuli_chr01	33630870	AA	GG	1940137820
SNP_P1_11998_33630883	NC_021160.1	Ca_kabuli_chr01	33630883	TT	CC	1940137821
SNP_P1_11999_33630910	NC_021160.1	Ca_kabuli_chr01	33630910	AA	GG	1940137823
SNP_P1_12000_33633612	NC_021160.1	Ca_kabuli_chr01	33633612	CC	GG	1940137824
SNP_P1_12001_33633972	NC_021160.1	Ca_kabuli_chr01	33633972	AA	CC	1940137825
SNP_P1_12002_33635369	NC_021160.1	Ca_kabuli_chr01	33635369	TT	AA	1940137826
SNP_P1_12003_33639307	NC_021160.1	Ca_kabuli_chr01	33639307	TT	CC	1940137827
SNP_P1_12004_33639313	NC_021160.1	Ca_kabuli_chr01	33639313	TT	CC	1940137828
SNP_P1_12005_33639426	NC_021160.1	Ca_kabuli_chr01	33639426	AA	GG	1940137829
SNP_P1_12006_33639686	NC_021160.1	Ca_kabuli_chr01	33639686	TT	AA	1940137830

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12009_33640416	NC_021160.1	Ca_kabuli_chr01	33640416	GG	AA	1940137832
SNP_P1_12010_33640560	NC_021160.1	Ca_kabuli_chr01	33640560	CC	TT	1940137833
SNP_P1_12011_33640674	NC_021160.1	Ca_kabuli_chr01	33640674	TT	AA	1940137835
SNP_P1_12012_33647293	NC_021160.1	Ca_kabuli_chr01	33647293	AA	GG	1940137836
SNP_P1_12014_33652218	NC_021160.1	Ca_kabuli_chr01	33652218	TT	CC	1940137837
SNP_P1_12015_33652807	NC_021160.1	Ca_kabuli_chr01	33652807	CC	TT	1940137838
SNP_P1_12016_33653100	NC_021160.1	Ca_kabuli_chr01	33653100	AA	GG	1940137839
SNP_P1_12017_33656756	NC_021160.1	Ca_kabuli_chr01	33656756	GG	AA	1940137840
SNP_P1_12018_33658080	NC_021160.1	Ca_kabuli_chr01	33658080	TT	CC	1940137841
SNP_P1_12019_33658345	NC_021160.1	Ca_kabuli_chr01	33658345	GG	AA	1940137842
SNP_P1_12021_33658924	NC_021160.1	Ca_kabuli_chr01	33658924	TT	CC	1940137843
SNP_P1_12022_33661095	NC_021160.1	Ca_kabuli_chr01	33661095	CC	TT	1940137844
SNP_P1_12023_33661745	NC_021160.1	Ca_kabuli_chr01	33661745	GG	AA	1940137845
SNP_P1_12024_33661790	NC_021160.1	Ca_kabuli_chr01	33661790	TT	CC	1940137846
SNP_P1_12026_33665977	NC_021160.1	Ca_kabuli_chr01	33665977	TT	CC	1940137847
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SNP_P1_12028_33668624	NC_021160.1	Ca_kabuli_chr01	33668624	AA	TT	1940137849
SNP_P1_12029_33679493	NC_021160.1	Ca_kabuli_chr01	33679493	TT	GG	1940137850
SNP_P1_12030_33679524	NC_021160.1	Ca_kabuli_chr01	33679524	TT	GG	1940137851
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SNP_P1_12033_33688947	NC_021160.1	Ca_kabuli_chr01	33688947	TT	AA	1940137854
SNP_P1_12034_33688956	NC_021160.1	Ca_kabuli_chr01	33688956	CC	AA	1940137855
SNP_P1_12035_33689818	NC_021160.1	Ca_kabuli_chr01	33689818	TT	GG	1940137856
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SNP_P1_12038_33700035	NC_021160.1	Ca_kabuli_chr01	33700035	TT	CC	1940137859
SNP_P1_12039_33700042	NC_021160.1	Ca_kabuli_chr01	33700042	AA	CC	1940137860
SNP_P1_12040_33700050	NC_021160.1	Ca_kabuli_chr01	33700050	CC	AA	1940137862
SNP_P1_12042_33733904	NC_021160.1	Ca_kabuli_chr01	33733904	GG	AA	1940137863
SNP_P1_12043_33734004	NC_021160.1	Ca_kabuli_chr01	33734004	TT	CC	1940137864
SNP_P1_12044_33735647	NC_021160.1	Ca_kabuli_chr01	33735647	GG	AA	1940137865
SNP_P1_12045_33736069	NC_021160.1	Ca_kabuli_chr01	33736069	AA	GG	1940137866
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SNP_P1_12054_33751099	NC_021160.1	Ca_kabuli_chr01	33751099	AA	GG	1940137872
SNP_P1_12055_33754289	NC_021160.1	Ca_kabuli_chr01	33754289	GG	AA	1940137873
SNP_P1_12056_33754472	NC_021160.1	Ca_kabuli_chr01	33754472	AA	TT	1940137874

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12061_33767885	NC_021160.1	Ca_kabuli_chr01	33767885	TT	GG	1940137878
SNP_P1_12062_33771886	NC_021160.1	Ca_kabuli_chr01	33771886	AA	CC	1940137879
SNP_P1_12063_33774860	NC_021160.1	Ca_kabuli_chr01	33774860	GG	TT	1940137880
SNP_P1_12064_33775453	NC_021160.1	Ca_kabuli_chr01	33775453	GG	AA	1940137881
SNP_P1_12065_33776961	NC_021160.1	Ca_kabuli_chr01	33776961	TT	GG	1940137882
SNP_P1_12067_33780223	NC_021160.1	Ca_kabuli_chr01	33780223	GG	TT	1940137883
SNP_P1_12068_33780296	NC_021160.1	Ca_kabuli_chr01	33780296	TT	CC	1940137884
SNP_P1_12069_33782240	NC_021160.1	Ca_kabuli_chr01	33782240	AA	GG	1940137885
SNP_P1_12070_33792279	NC_021160.1	Ca_kabuli_chr01	33792279	TT	AA	1940137886
SNP_P1_12071_33792309	NC_021160.1	Ca_kabuli_chr01	33792309	TT	AA	1940137887
SNP_P1_12072_33792558	NC_021160.1	Ca_kabuli_chr01	33792558	AA	GG	1940137888
SNP_P1_12073_33794105	NC_021160.1	Ca_kabuli_chr01	33794105	CC	TT	1940137889
SNP_P1_12075_33797335	NC_021160.1	Ca_kabuli_chr01	33797335	CC	TT	1940137890
SNP_P1_12076_33799460	NC_021160.1	Ca_kabuli_chr01	33799460	AA	GG	1940137891
SNP_P1_12077_33802890	NC_021160.1	Ca_kabuli_chr01	33802890	GG	CC	1940137893
SNP_P1_12078_33802965	NC_021160.1	Ca_kabuli_chr01	33802965	AA	TT	1940137894
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SNP_P1_12080_33803294	NC_021160.1	Ca_kabuli_chr01	33803294	GG	AA	1940137896
SNP_P1_12081_33803416	NC_021160.1	Ca_kabuli_chr01	33803416	CC	TT	1940137897
SNP_P1_12082_33803812	NC_021160.1	Ca_kabuli_chr01	33803812	GG	CC	1940137898
SNP_P1_12083_33803813	NC_021160.1	Ca_kabuli_chr01	33803813	AA	CC	1940137899
SNP_P1_12084_33803830	NC_021160.1	Ca_kabuli_chr01	33803830	CC	TT	1940137900
SNP_P1_12085_33813932	NC_021160.1	Ca_kabuli_chr01	33813932	TT	GG	1940137901
SNP_P1_12086_33813933	NC_021160.1	Ca_kabuli_chr01	33813933	TT	CC	1940137902
SNP_P1_12087_33814964	NC_021160.1	Ca_kabuli_chr01	33814964	GG	AA	1940137903
SNP_P1_12088_33815549	NC_021160.1	Ca_kabuli_chr01	33815549	GG	AA	1940137904
SNP_P1_12089_33827413	NC_021160.1	Ca_kabuli_chr01	33827413	GG	AA	1940137905
SNP_P1_12090_33836300	NC_021160.1	Ca_kabuli_chr01	33836300	CC	TT	1940137906
SNP_P1_12092_33838878	NC_021160.1	Ca_kabuli_chr01	33838878	GG	CC	1940137907
SNP_P1_12093_33844768	NC_021160.1	Ca_kabuli_chr01	33844768	AA	GG	1940137908
SNP_P1_12094_33844839	NC_021160.1	Ca_kabuli_chr01	33844839	TT	CC	1940137909
SNP_P1_12095_33844879	NC_021160.1	Ca_kabuli_chr01	33844879	AA	GG	1940137910
SNP_P1_12096_33844940	NC_021160.1	Ca_kabuli_chr01	33844940	AA	CC	1940137911
SNP_P1_12097_33845092	NC_021160.1	Ca_kabuli_chr01	33845092	TT	AA	1940137912
SNP_P1_12098_33845207	NC_021160.1	Ca_kabuli_chr01	33845207	CC	TT	1940137913
SNP_P1_12099_33845586	NC_021160.1	Ca_kabuli_chr01	33845586	AA	GG	1940137914
SNP_P1_12100_33852245	NC_021160.1	Ca_kabuli_chr01	33852245	GG	AA	1940137915
SNP_P1_12101_33854225	NC_021160.1	Ca_kabuli_chr01	33854225	TT	GG	1940137916
SNP_P1_12102_33857243	NC_021160.1	Ca_kabuli_chr01	33857243	GG	AA	1940137917

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12104_33863185	NC_021160.1	Ca_kabuli_chr01	33863185	TT	GG	1940137919
SNP_P1_12106_33866482	NC_021160.1	Ca_kabuli_chr01	33866482	AA	GG	1940137920
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SNP_P1_12108_33883459	NC_021160.1	Ca_kabuli_chr01	33883459	TT	CC	1940137922
SNP_P1_12109_33884269	NC_021160.1	Ca_kabuli_chr01	33884269	CC	TT	1940137923
SNP_P1_12110_33894145	NC_021160.1	Ca_kabuli_chr01	33894145	CC	TT	1940137925
SNP_P1_12111_33895483	NC_021160.1	Ca_kabuli_chr01	33895483	GG	CC	1940137926
SNP_P1_12112_33895532	NC_021160.1	Ca_kabuli_chr01	33895532	TT	CC	1940137927
SNP_P1_12113_33896617	NC_021160.1	Ca_kabuli_chr01	33896617	GG	TT	1940137928
SNP_P1_12114_33912224	NC_021160.1	Ca_kabuli_chr01	33912224	CC	TT	1940137929
SNP_P1_12115_33912235	NC_021160.1	Ca_kabuli_chr01	33912235	TT	GG	1940137930
SNP_P1_12116_33915951	NC_021160.1	Ca_kabuli_chr01	33915951	TT	CC	1940137931
SNP_P1_12117_33916007	NC_021160.1	Ca_kabuli_chr01	33916007	AA	GG	1940137932
SNP_P1_12118_33916659	NC_021160.1	Ca_kabuli_chr01	33916659	CC	TT	1940137933
SNP_P1_12119_33916761	NC_021160.1	Ca_kabuli_chr01	33916761	GG	CC	1940137934
SNP_P1_12120_33916794	NC_021160.1	Ca_kabuli_chr01	33916794	GG	AA	1940137935
SNP_P1_12123_33932010	NC_021160.1	Ca_kabuli_chr01	33932010	CC	GG	1940137936
SNP_P1_12124_33932844	NC_021160.1	Ca_kabuli_chr01	33932844	GG	AA	1940137937
SNP_P1_12125_33934068	NC_021160.1	Ca_kabuli_chr01	33934068	AA	CC	1940137938
SNP_P1_12126_33934312	NC_021160.1	Ca_kabuli_chr01	33934312	CC	TT	1940137939
SNP_P1_12127_33934360	NC_021160.1	Ca_kabuli_chr01	33934360	AA	TT	1940137940
SNP_P1_12128_33934363	NC_021160.1	Ca_kabuli_chr01	33934363	TT	GG	1940137941
SNP_P1_12129_33934369	NC_021160.1	Ca_kabuli_chr01	33934369	TT	CC	1940137942
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SNP_P1_12132_33967871	NC_021160.1	Ca_kabuli_chr01	33967871	AA	TT	1940137946
SNP_P1_12133_33975798	NC_021160.1	Ca_kabuli_chr01	33975798	AA	GG	1940137947
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SNP_P1_12136_34019850	NC_021160.1	Ca_kabuli_chr01	34019850	TT	AA	1940137949
SNP_P1_12137_34019852	NC_021160.1	Ca_kabuli_chr01	34019852	TT	AA	1940137950
SNP_P1_12138_34023173	NC_021160.1	Ca_kabuli_chr01	34023173	TT	CC	1940137951
SNP_P1_12139_34023181	NC_021160.1	Ca_kabuli_chr01	34023181	AA	TT	1940137952
SNP_P1_12140_34023193	NC_021160.1	Ca_kabuli_chr01	34023193	AA	GG	1940137953
SNP_P1_12141_34037406	NC_021160.1	Ca_kabuli_chr01	34037406	AA	GG	1940137954
SNP_P1_12142_34042898	NC_021160.1	Ca_kabuli_chr01	34042898	GG	TT	1940137956
SNP_P1_12143_34042922	NC_021160.1	Ca_kabuli_chr01	34042922	AA	GG	1940137957
SNP_P1_12144_34043332	NC_021160.1	Ca_kabuli_chr01	34043332	GG	AA	1940137958
SNP_P1_12145_34043359	NC_021160.1	Ca_kabuli_chr01	34043359	AA	GG	1940137959
SNP_P1_12146_34043402	NC_021160.1	Ca_kabuli_chr01	34043402	CC	TT	1940137960
SNP_P1_12148_34064856	NC_021160.1	Ca_kabuli_chr01	34064856	CC	TT	1940137961
SNP_P1_12149_34128014	NC_021160.1	Ca_kabuli_chr01	34128014	TT	AA	1940137962

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12151_34128121	NC_021160.1	Ca_kabuli_chr01	34128121	CC	TT	1940137964
SNP_P1_12152_34128146	NC_021160.1	Ca_kabuli_chr01	34128146	TT	AA	1940137965
SNP_P1_12153_34128161	NC_021160.1	Ca_kabuli_chr01	34128161	TT	AA	1940137966
SNP_P1_12154_34128194	NC_021160.1	Ca_kabuli_chr01	34128194	TT	AA	1940137967
SNP_P1_12155_34128206	NC_021160.1	Ca_kabuli_chr01	34128206	AA	GG	1940137968
SNP_P1_12156_34128295	NC_021160.1	Ca_kabuli_chr01	34128295	CC	TT	1940137969
SNP_P1_12157_34128390	NC_021160.1	Ca_kabuli_chr01	34128390	TT	CC	1940137971
SNP_P1_12158_34128417	NC_021160.1	Ca_kabuli_chr01	34128417	AA	CC	1940137972
SNP_P1_12160_34128868	NC_021160.1	Ca_kabuli_chr01	34128868	TT	GG	1940137973
SNP_P1_12161_34128905	NC_021160.1	Ca_kabuli_chr01	34128905	CC	AA	1940137974
SNP_P1_12162_34129042	NC_021160.1	Ca_kabuli_chr01	34129042	AA	TT	1940137975
SNP_P1_12163_34129058	NC_021160.1	Ca_kabuli_chr01	34129058	CC	AA	1940137976
SNP_P1_12164_34129070	NC_021160.1	Ca_kabuli_chr01	34129070	GG	TT	1940137977
SNP_P1_12165_34129093	NC_021160.1	Ca_kabuli_chr01	34129093	TT	CC	1940137978
SNP_P1_12166_34129101	NC_021160.1	Ca_kabuli_chr01	34129101	GG	TT	1940137979
SNP_P1_12167_34129173	NC_021160.1	Ca_kabuli_chr01	34129173	AA	GG	1940137980
SNP_P1_12168_34129269	NC_021160.1	Ca_kabuli_chr01	34129269	TT	GG	1940137981
SNP_P1_12169_34129279	NC_021160.1	Ca_kabuli_chr01	34129279	AA	TT	1940137982
SNP_P1_12170_34129306	NC_021160.1	Ca_kabuli_chr01	34129306	TT	AA	1940137983
SNP_P1_12171_34129352	NC_021160.1	Ca_kabuli_chr01	34129352	GG	TT	1940137984
SNP_P1_12172_34129354	NC_021160.1	Ca_kabuli_chr01	34129354	GG	CC	1940137985
SNP_P1_12173_34129356	NC_021160.1	Ca_kabuli_chr01	34129356	TT	AA	1940137986
SNP_P1_12174_34129408	NC_021160.1	Ca_kabuli_chr01	34129408	TT	AA	1940137987
SNP_P1_12175_34129410	NC_021160.1	Ca_kabuli_chr01	34129410	GG	TT	1940137989
SNP_P1_12176_34129497	NC_021160.1	Ca_kabuli_chr01	34129497	TT	GG	1940137990
SNP_P1_12177_34129502	NC_021160.1	Ca_kabuli_chr01	34129502	AA	CC	1940137991
SNP_P1_12178_34129531	NC_021160.1	Ca_kabuli_chr01	34129531	GG	AA	1940137992
SNP_P1_12179_34129677	NC_021160.1	Ca_kabuli_chr01	34129677	AA	GG	1940137993
SNP_P1_12180_34129682	NC_021160.1	Ca_kabuli_chr01	34129682	TT	CC	1940137994
SNP_P1_12181_34130070	NC_021160.1	Ca_kabuli_chr01	34130070	GG	AA	1940137995
SNP_P1_12182_34130212	NC_021160.1	Ca_kabuli_chr01	34130212	GG	CC	1940137996
SNP_P1_12184_34130310	NC_021160.1	Ca_kabuli_chr01	34130310	AA	GG	1940137997
SNP_P1_12185_34130455	NC_021160.1	Ca_kabuli_chr01	34130455	AA	GG	1940137998
SNP_P1_12186_34130467	NC_021160.1	Ca_kabuli_chr01	34130467	AA	GG	1940137999
SNP_P1_12187_34130499	NC_021160.1	Ca_kabuli_chr01	34130499	TT	CC	1940138000
SNP_P1_12188_34130501	NC_021160.1	Ca_kabuli_chr01	34130501	TT	CC	1940138001
SNP_P1_12189_34131628	NC_021160.1	Ca_kabuli_chr01	34131628	TT	CC	1940138002
SNP_P1_12190_34132063	NC_021160.1	Ca_kabuli_chr01	34132063	TT	CC	1940138003
SNP_P1_12191_34132580	NC_021160.1	Ca_kabuli_chr01	34132580	CC	AA	1940138004
SNP_P1_12192_34132896	NC_021160.1	Ca_kabuli_chr01	34132896	GG	AA	1940138005
SNP_P1_12193_34133777	NC_021160.1	Ca_kabuli_chr01	34133777	AA	GG	1940138006

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12195_34134045	NC_021160.1	Ca_kabuli_chr01	34134045	AA	TT	1940138008
SNP_P1_12196_34134129	NC_021160.1	Ca_kabuli_chr01	34134129	GG	TT	1940138009
SNP_P1_12197_34135742	NC_021160.1	Ca_kabuli_chr01	34135742	TT	CC	1940138010
SNP_P1_12198_34136294	NC_021160.1	Ca_kabuli_chr01	34136294	GG	CC	1940138011
SNP_P1_12199_34136299	NC_021160.1	Ca_kabuli_chr01	34136299	GG	AA	1940138013
SNP_P1_12200_34136370	NC_021160.1	Ca_kabuli_chr01	34136370	CC	TT	1940138014
SNP_P1_12201_34136713	NC_021160.1	Ca_kabuli_chr01	34136713	GG	AA	1940138015
SNP_P1_12202_34136774	NC_021160.1	Ca_kabuli_chr01	34136774	CC	TT	1940138016
SNP_P1_12203_34136789	NC_021160.1	Ca_kabuli_chr01	34136789	TT	CC	1940138017
SNP_P1_12204_34136809	NC_021160.1	Ca_kabuli_chr01	34136809	TT	GG	1940138018
SNP_P1_12205_34136845	NC_021160.1	Ca_kabuli_chr01	34136845	TT	CC	1940138019
SNP_P1_12206_34136871	NC_021160.1	Ca_kabuli_chr01	34136871	AA	CC	1940138020
SNP_P1_12207_34137601	NC_021160.1	Ca_kabuli_chr01	34137601	AA	GG	1940138021
SNP_P1_12209_34141185	NC_021160.1	Ca_kabuli_chr01	34141185	CC	GG	1940138022
SNP_P1_12210_34141519	NC_021160.1	Ca_kabuli_chr01	34141519	GG	AA	1940138023
SNP_P1_12211_34141782	NC_021160.1	Ca_kabuli_chr01	34141782	CC	TT	1940138024
SNP_P1_12212_34141817	NC_021160.1	Ca_kabuli_chr01	34141817	CC	GG	1940138025
SNP_P1_12213_34142990	NC_021160.1	Ca_kabuli_chr01	34142990	TT	AA	1940138026
SNP_P1_12214_34143081	NC_021160.1	Ca_kabuli_chr01	34143081	GG	TT	1940138027
SNP_P1_12215_34143259	NC_021160.1	Ca_kabuli_chr01	34143259	CC	TT	1940138028
SNP_P1_12216_34143695	NC_021160.1	Ca_kabuli_chr01	34143695	TT	CC	1940138029
SNP_P1_12217_34143708	NC_021160.1	Ca_kabuli_chr01	34143708	TT	CC	1940138030
SNP_P1_12218_34143948	NC_021160.1	Ca_kabuli_chr01	34143948	CC	TT	1940138031
SNP_P1_12219_34143960	NC_021160.1	Ca_kabuli_chr01	34143960	GG	AA	1940138032
SNP_P1_12220_34144224	NC_021160.1	Ca_kabuli_chr01	34144224	GG	TT	1940138033
SNP_P1_12221_34144348	NC_021160.1	Ca_kabuli_chr01	34144348	AA	TT	1940138034
SNP_P1_12222_34144576	NC_021160.1	Ca_kabuli_chr01	34144576	TT	CC	1940138035
SNP_P1_12223_34144585	NC_021160.1	Ca_kabuli_chr01	34144585	CC	TT	1940138036
SNP_P1_12224_34144737	NC_021160.1	Ca_kabuli_chr01	34144737	TT	AA	1940138037
SNP_P1_12225_34144767	NC_021160.1	Ca_kabuli_chr01	34144767	GG	AA	1940138038
SNP_P1_12226_34145292	NC_021160.1	Ca_kabuli_chr01	34145292	CC	AA	1940138039
SNP_P1_12227_34145315	NC_021160.1	Ca_kabuli_chr01	34145315	TT	CC	1940138040
SNP_P1_12229_34145374	NC_021160.1	Ca_kabuli_chr01	34145374	TT	AA	1940138041
SNP_P1_12230_34145940	NC_021160.1	Ca_kabuli_chr01	34145940	CC	AA	1940138042
SNP_P1_12231_34146008	NC_021160.1	Ca_kabuli_chr01	34146008	GG	AA	1940138043
SNP_P1_12232_34146020	NC_021160.1	Ca_kabuli_chr01	34146020	TT	CC	1940138044
SNP_P1_12233_34146272	NC_021160.1	Ca_kabuli_chr01	34146272	CC	TT	1940138045
SNP_P1_12234_34146315	NC_021160.1	Ca_kabuli_chr01	34146315	TT	CC	1940138046
SNP_P1_12236_34155228	NC_021160.1	Ca_kabuli_chr01	34155228	CC	TT	1940138047
SNP_P1_12237_34155615	NC_021160.1	Ca_kabuli_chr01	34155615	GG	AA	1940138048
SNP_P1_12238_34155871	NC_021160.1	Ca_kabuli_chr01	34155871	TT	CC	1940138049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12240_34157655	NC_021160.1	Ca_kabuli_chr01	34157655	GG	TT	1940138051
SNP_P1_12241_34157661	NC_021160.1	Ca_kabuli_chr01	34157661	CC	AA	1940138052
SNP_P1_12242_34157886	NC_021160.1	Ca_kabuli_chr01	34157886	TT	CC	1940138053
SNP_P1_12243_34158034	NC_021160.1	Ca_kabuli_chr01	34158034	CC	TT	1940138054
SNP_P1_12244_34158264	NC_021160.1	Ca_kabuli_chr01	34158264	GG	AA	1940138055
SNP_P1_12245_34158702	NC_021160.1	Ca_kabuli_chr01	34158702	TT	CC	1940138056
SNP_P1_12246_34158707	NC_021160.1	Ca_kabuli_chr01	34158707	GG	AA	1940138057
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SNP_P1_12248_34158760	NC_021160.1	Ca_kabuli_chr01	34158760	CC	AA	1940138060
SNP_P1_12249_34158938	NC_021160.1	Ca_kabuli_chr01	34158938	TT	GG	1940138061
SNP_P1_12250_34159136	NC_021160.1	Ca_kabuli_chr01	34159136	AA	TT	1940138062
SNP_P1_12253_34160279	NC_021160.1	Ca_kabuli_chr01	34160279	CC	GG	1940138063
SNP_P1_12255_34160386	NC_021160.1	Ca_kabuli_chr01	34160386	CC	TT	1940138064
SNP_P1_12256_34161751	NC_021160.1	Ca_kabuli_chr01	34161751	AA	GG	1940138065
SNP_P1_12257_34163574	NC_021160.1	Ca_kabuli_chr01	34163574	CC	TT	1940138066
SNP_P1_12258_34163588	NC_021160.1	Ca_kabuli_chr01	34163588	CC	TT	1940138067
SNP_P1_12259_34163708	NC_021160.1	Ca_kabuli_chr01	34163708	AA	TT	1940138068
SNP_P1_12260_34164592	NC_021160.1	Ca_kabuli_chr01	34164592	CC	TT	1940138069
SNP_P1_12261_34164856	NC_021160.1	Ca_kabuli_chr01	34164856	AA	TT	1940138070
SNP_P1_12262_34165132	NC_021160.1	Ca_kabuli_chr01	34165132	GG	CC	1940138071
SNP_P1_12263_34165135	NC_021160.1	Ca_kabuli_chr01	34165135	AA	GG	1940138072
SNP_P1_12264_34165312	NC_021160.1	Ca_kabuli_chr01	34165312	TT	GG	1940138073
SNP_P1_12265_34165459	NC_021160.1	Ca_kabuli_chr01	34165459	TT	CC	1940138074
SNP_P1_12266_34165475	NC_021160.1	Ca_kabuli_chr01	34165475	TT	CC	1940138075
SNP_P1_12267_34165493	NC_021160.1	Ca_kabuli_chr01	34165493	GG	AA	1940138076
SNP_P1_12268_34165517	NC_021160.1	Ca_kabuli_chr01	34165517	TT	CC	1940138077
SNP_P1_12269_34165620	NC_021160.1	Ca_kabuli_chr01	34165620	TT	GG	1940138078
SNP_P1_12270_34165664	NC_021160.1	Ca_kabuli_chr01	34165664	TT	CC	1940138079
SNP_P1_12271_34165712	NC_021160.1	Ca_kabuli_chr01	34165712	AA	GG	1940138080
SNP_P1_12272_34167116	NC_021160.1	Ca_kabuli_chr01	34167116	AA	CC	1940138081
SNP_P1_12274_34167186	NC_021160.1	Ca_kabuli_chr01	34167186	GG	CC	1940138082
SNP_P1_12275_34168635	NC_021160.1	Ca_kabuli_chr01	34168635	GG	TT	1940138083
SNP_P1_12276_34168652	NC_021160.1	Ca_kabuli_chr01	34168652	CC	AA	1940138084
SNP_P1_12277_34169756	NC_021160.1	Ca_kabuli_chr01	34169756	GG	AA	1940138085
SNP_P1_12278_34169906	NC_021160.1	Ca_kabuli_chr01	34169906	AA	GG	1940138086
SNP_P1_12279_34173246	NC_021160.1	Ca_kabuli_chr01	34173246	TT	AA	1940138087
SNP_P1_12280_34175036	NC_021160.1	Ca_kabuli_chr01	34175036	AA	GG	1940138088
SNP_P1_12282_34177939	NC_021160.1	Ca_kabuli_chr01	34177939	CC	AA	1940138090
SNP_P1_12283_34177942	NC_021160.1	Ca_kabuli_chr01	34177942	TT	CC	1940138091
SNP_P1_12284_34178331	NC_021160.1	Ca_kabuli_chr01	34178331	AA	GG	1940138092
SNP_P1_12285_34178403	NC_021160.1	Ca_kabuli_chr01	34178403	AA	GG	1940138093

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_12286_34178557	NC_021160.1	Ca_kabuli_chr01	34178557	CC	AA	1940138094
SNP_P1_12287_34178573	NC_021160.1	Ca_kabuli_chr01	34178573	TT	CC	1940138095
SNP_P1_12288_34178591	NC_021160.1	Ca_kabuli_chr01	34178591	GG	AA	1940138096
SNP_P1_12289_34178617	NC_021160.1	Ca_kabuli_chr01	34178617	GG	AA	1940138097
SNP_P1_12290_34178636	NC_021160.1	Ca_kabuli_chr01	34178636	CC	TT	1940138098
SNP_P1_12292_34178897	NC_021160.1	Ca_kabuli_chr01	34178897	AA	GG	1940138099
SNP_P1_12293_34179599	NC_021160.1	Ca_kabuli_chr01	34179599	AA	GG	1940138100
SNP_P1_12294_34180079	NC_021160.1	Ca_kabuli_chr01	34180079	AA	GG	1940138101
SNP_P1_12295_34183163	NC_021160.1	Ca_kabuli_chr01	34183163	AA	TT	1940138102
SNP_P1_12296_34183219	NC_021160.1	Ca_kabuli_chr01	34183219	TT	CC	1940138103
SNP_P1_12297_34183335	NC_021160.1	Ca_kabuli_chr01	34183335	GG	TT	1940138104
SNP_P1_12298_34183343	NC_021160.1	Ca_kabuli_chr01	34183343	TT	CC	1940138105
SNP_P1_12299_34183348	NC_021160.1	Ca_kabuli_chr01	34183348	CC	TT	1940138106
SNP_P1_12300_34183355	NC_021160.1	Ca_kabuli_chr01	34183355	TT	AA	1940138107
SNP_P1_12301_34183358	NC_021160.1	Ca_kabuli_chr01	34183358	TT	AA	1940138108
SNP_P1_12302_34183365	NC_021160.1	Ca_kabuli_chr01	34183365	CC	TT	1940138109
SNP_P1_12303_34183635	NC_021160.1	Ca_kabuli_chr01	34183635	GG	TT	1940138110
SNP_P1_12304_34189619	NC_021160.1	Ca_kabuli_chr01	34189619	TT	AA	1940138111
SNP_P1_12305_34191938	NC_021160.1	Ca_kabuli_chr01	34191938	GG	CC	1940138112
SNP_P1_12306_34192115	NC_021160.1	Ca_kabuli_chr01	34192115	GG	AA	1940138113
SNP_P1_12307_34192131	NC_021160.1	Ca_kabuli_chr01	34192131	GG	AA	1940138114
SNP_P1_12308_34194434	NC_021160.1	Ca_kabuli_chr01	34194434	GG	TT	1940138115
SNP_P1_12309_34194598	NC_021160.1	Ca_kabuli_chr01	34194598	AA	TT	1940138116
SNP_P1_12311_34194702	NC_021160.1	Ca_kabuli_chr01	34194702	TT	AA	1940138117
SNP_P1_12312_34194719	NC_021160.1	Ca_kabuli_chr01	34194719	CC	TT	1940138118
SNP_P1_12314_34195385	NC_021160.1	Ca_kabuli_chr01	34195385	CC	AA	1940138119
SNP_P1_12315_34195627	NC_021160.1	Ca_kabuli_chr01	34195627	GG	AA	1940138120
SNP_P1_12316_34195950	NC_021160.1	Ca_kabuli_chr01	34195950	CC	TT	1940138121
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SNP_P1_12318_34196252	NC_021160.1	Ca_kabuli_chr01	34196252	GG	AA	1940138124
SNP_P1_12319_34196279	NC_021160.1	Ca_kabuli_chr01	34196279	CC	AA	1940138125
SNP_P1_12320_34196385	NC_021160.1	Ca_kabuli_chr01	34196385	GG	AA	1940138126
SNP_P1_12321_34196795	NC_021160.1	Ca_kabuli_chr01	34196795	GG	AA	1940138127
SNP_P1_12322_34197105	NC_021160.1	Ca_kabuli_chr01	34197105	CC	AA	1940138128
SNP_P1_12323_34198385	NC_021160.1	Ca_kabuli_chr01	34198385	CC	GG	1940138129
SNP_P1_12324_34199498	NC_021160.1	Ca_kabuli_chr01	34199498	TT	CC	1940138130
SNP_P1_12325_34199703	NC_021160.1	Ca_kabuli_chr01	34199703	GG	TT	1940138131
SNP_P1_12326_34199817	NC_021160.1	Ca_kabuli_chr01	34199817	CC	TT	1940138132
SNP_P1_12327_34200069	NC_021160.1	Ca_kabuli_chr01	34200069	AA	TT	1940138133
SNP_P1_12328_34201088	NC_021160.1	Ca_kabuli_chr01	34201088	TT	CC	1940138134
SNP_P1_12329_34201095	NC_021160.1	Ca_kabuli_chr01	34201095	GG	AA	1940138135
SNP_P1_12330_34201410	NC_021160.1	Ca_kabuli_chr01	34201410	AA	CC	1940138136

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12332_34203281	NC_021160.1	Ca_kabuli_chr01	34203281	GG	CC	1940138138
SNP_P1_12333_34203527	NC_021160.1	Ca_kabuli_chr01	34203527	AA	CC	1940138139
SNP_P1_12334_34203744	NC_021160.1	Ca_kabuli_chr01	34203744	AA	GG	1940138140
SNP_P1_12335_34203799	NC_021160.1	Ca_kabuli_chr01	34203799	GG	TT	1940138141
SNP_P1_12336_34204008	NC_021160.1	Ca_kabuli_chr01	34204008	AA	GG	1940138142
SNP_P1_12337_34205408	NC_021160.1	Ca_kabuli_chr01	34205408	CC	TT	1940138143
SNP_P1_12338_34214982	NC_021160.1	Ca_kabuli_chr01	34214982	AA	GG	1940138144
SNP_P1_12339_34215462	NC_021160.1	Ca_kabuli_chr01	34215462	TT	CC	1940138145
SNP_P1_12340_34215479	NC_021160.1	Ca_kabuli_chr01	34215479	AA	GG	1940138146
SNP_P1_12341_34216400	NC_021160.1	Ca_kabuli_chr01	34216400	TT	CC	1940138148
SNP_P1_12342_34217696	NC_021160.1	Ca_kabuli_chr01	34217696	AA	CC	1940138149
SNP_P1_12343_34219493	NC_021160.1	Ca_kabuli_chr01	34219493	AA	GG	1940138150
SNP_P1_12344_34219686	NC_021160.1	Ca_kabuli_chr01	34219686	CC	TT	1940138151
SNP_P1_12345_34220649	NC_021160.1	Ca_kabuli_chr01	34220649	TT	AA	1940138152
SNP_P1_12346_34221227	NC_021160.1	Ca_kabuli_chr01	34221227	GG	TT	1940138153
SNP_P1_12347_34221304	NC_021160.1	Ca_kabuli_chr01	34221304	GG	AA	1940138154
SNP_P1_12348_34221442	NC_021160.1	Ca_kabuli_chr01	34221442	AA	CC	1940138155
SNP_P1_12349_34221456	NC_021160.1	Ca_kabuli_chr01	34221456	GG	TT	1940138156
SNP_P1_12350_34222548	NC_021160.1	Ca_kabuli_chr01	34222548	GG	AA	1940138157
SNP_P1_12353_34228109	NC_021160.1	Ca_kabuli_chr01	34228109	TT	GG	1940138158
SNP_P1_12354_34228469	NC_021160.1	Ca_kabuli_chr01	34228469	CC	TT	1940138159
SNP_P1_12355_34228567	NC_021160.1	Ca_kabuli_chr01	34228567	CC	TT	1940138160
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SNP_P1_12357_34230790	NC_021160.1	Ca_kabuli_chr01	34230790	TT	CC	1940138163
SNP_P1_12358_34237286	NC_021160.1	Ca_kabuli_chr01	34237286	AA	CC	1940138164
SNP_P1_12359_34237292	NC_021160.1	Ca_kabuli_chr01	34237292	CC	TT	1940138165
SNP_P1_12360_34237319	NC_021160.1	Ca_kabuli_chr01	34237319	GG	AA	1940138166
SNP_P1_12361_34237366	NC_021160.1	Ca_kabuli_chr01	34237366	AA	GG	1940138167
SNP_P1_12362_34237549	NC_021160.1	Ca_kabuli_chr01	34237549	TT	CC	1940138168
SNP_P1_12363_34238907	NC_021160.1	Ca_kabuli_chr01	34238907	GG	AA	1940138169
SNP_P1_12364_34238918	NC_021160.1	Ca_kabuli_chr01	34238918	AA	GG	1940138170
SNP_P1_12365_34244223	NC_021160.1	Ca_kabuli_chr01	34244223	GG	TT	1940138171
SNP_P1_12366_34244453	NC_021160.1	Ca_kabuli_chr01	34244453	CC	AA	1940138172
SNP_P1_12367_34246563	NC_021160.1	Ca_kabuli_chr01	34246563	TT	CC	1940138173
SNP_P1_12368_34247385	NC_021160.1	Ca_kabuli_chr01	34247385	AA	GG	1940138174
SNP_P1_12369_34247586	NC_021160.1	Ca_kabuli_chr01	34247586	GG	TT	1940138175
SNP_P1_12370_34251838	NC_021160.1	Ca_kabuli_chr01	34251838	GG	TT	1940138176
SNP_P1_12371_34252169	NC_021160.1	Ca_kabuli_chr01	34252169	TT	CC	1940138177
SNP_P1_12372_34255554	NC_021160.1	Ca_kabuli_chr01	34255554	GG	CC	1940138178
SNP_P1_12373_34258763	NC_021160.1	Ca_kabuli_chr01	34258763	GG	AA	1940138179
SNP_P1_12374_34259717	NC_021160.1	Ca_kabuli_chr01	34259717	TT	CC	1940138180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12376_34266623	NC_021160.1	Ca_kabuli_chr01	34266623	TT	GG	1940138183
SNP_P1_12377_34272024	NC_021160.1	Ca_kabuli_chr01	34272024	AA	GG	1940138184
SNP_P1_12378_34272025	NC_021160.1	Ca_kabuli_chr01	34272025	AA	GG	1940138185
SNP_P1_12379_34274450	NC_021160.1	Ca_kabuli_chr01	34274450	TT	CC	1940138186
SNP_P1_12380_34278088	NC_021160.1	Ca_kabuli_chr01	34278088	CC	AA	1940138187
SNP_P1_12381_34279486	NC_021160.1	Ca_kabuli_chr01	34279486	TT	CC	1940138188
SNP_P1_12383_34280011	NC_021160.1	Ca_kabuli_chr01	34280011	AA	TT	1940138189
SNP_P1_12384_34280154	NC_021160.1	Ca_kabuli_chr01	34280154	GG	TT	1940138190
SNP_P1_12385_34280172	NC_021160.1	Ca_kabuli_chr01	34280172	AA	TT	1940138191
SNP_P1_12386_34280437	NC_021160.1	Ca_kabuli_chr01	34280437	GG	TT	1940138192
SNP_P1_12387_34280805	NC_021160.1	Ca_kabuli_chr01	34280805	GG	TT	1940138193
SNP_P1_12388_34281015	NC_021160.1	Ca_kabuli_chr01	34281015	AA	GG	1940138194
SNP_P1_12390_34282009	NC_021160.1	Ca_kabuli_chr01	34282009	AA	GG	1940138195
SNP_P1_12391_34283253	NC_021160.1	Ca_kabuli_chr01	34283253	TT	CC	1940138197
SNP_P1_12392_34283298	NC_021160.1	Ca_kabuli_chr01	34283298	TT	CC	1940138198
SNP_P1_12393_34285279	NC_021160.1	Ca_kabuli_chr01	34285279	TT	GG	1940138199
SNP_P1_12395_34287685	NC_021160.1	Ca_kabuli_chr01	34287685	TT	AA	1940138200
SNP_P1_12396_34288931	NC_021160.1	Ca_kabuli_chr01	34288931	TT	CC	1940138201
SNP_P1_12397_34289563	NC_021160.1	Ca_kabuli_chr01	34289563	CC	TT	1940138202
SNP_P1_12398_34291628	NC_021160.1	Ca_kabuli_chr01	34291628	CC	TT	1940138203
SNP_P1_12399_34292923	NC_021160.1	Ca_kabuli_chr01	34292923	GG	CC	1940138204
SNP_P1_12400_34293573	NC_021160.1	Ca_kabuli_chr01	34293573	TT	GG	1940138205
SNP_P1_12401_34294046	NC_021160.1	Ca_kabuli_chr01	34294046	CC	GG	1940138206
SNP_P1_12402_34294326	NC_021160.1	Ca_kabuli_chr01	34294326	TT	CC	1940138207
SNP_P1_12403_34295173	NC_021160.1	Ca_kabuli_chr01	34295173	TT	CC	1940138208
SNP_P1_12404_34296339	NC_021160.1	Ca_kabuli_chr01	34296339	AA	TT	1940138209
SNP_P1_12405_34298385	NC_021160.1	Ca_kabuli_chr01	34298385	AA	GG	1940138210
SNP_P1_12406_34299282	NC_021160.1	Ca_kabuli_chr01	34299282	GG	AA	1940138211
SNP_P1_12409_34302392	NC_021160.1	Ca_kabuli_chr01	34302392	AA	GG	1940138212
SNP_P1_12410_34302483	NC_021160.1	Ca_kabuli_chr01	34302483	GG	AA	1940138213
SNP_P1_12411_34302677	NC_021160.1	Ca_kabuli_chr01	34302677	GG	AA	1940138214
SNP_P1_12412_34306393	NC_021160.1	Ca_kabuli_chr01	34306393	AA	CC	1940138215
SNP_P1_12413_34310079	NC_021160.1	Ca_kabuli_chr01	34310079	TT	CC	1940138216
SNP_P1_12415_34316306	NC_021160.1	Ca_kabuli_chr01	34316306	GG	AA	1940138217
SNP_P1_12416_34319023	NC_021160.1	Ca_kabuli_chr01	34319023	AA	GG	1940138218
SNP_P1_12417_34330714	NC_021160.1	Ca_kabuli_chr01	34330714	TT	AA	1940138219
SNP_P1_12419_34332217	NC_021160.1	Ca_kabuli_chr01	34332217	AA	GG	1940138221
SNP_P1_12421_34332286	NC_021160.1	Ca_kabuli_chr01	34332286	AA	GG	1940138222
SNP_P1_12422_34332891	NC_021160.1	Ca_kabuli_chr01	34332891	GG	TT	1940138223
SNP_P1_12423_34333017	NC_021160.1	Ca_kabuli_chr01	34333017	AA	GG	1940138224
SNP_P1_12424_34336941	NC_021160.1	Ca_kabuli_chr01	34336941	GG	AA	1940138225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12426_34341007	NC_021160.1	Ca_kabuli_chr01	34341007	GG	AA	1940138227
SNP_P1_12427_34342148	NC_021160.1	Ca_kabuli_chr01	34342148	GG	AA	1940138228
SNP_P1_12428_34344620	NC_021160.1	Ca_kabuli_chr01	34344620	GG	CC	1940138229
SNP_P1_12429_34344884	NC_021160.1	Ca_kabuli_chr01	34344884	AA	GG	1940138230
SNP_P1_12430_34345189	NC_021160.1	Ca_kabuli_chr01	34345189	AA	GG	1940138231
SNP_P1_12433_34345872	NC_021160.1	Ca_kabuli_chr01	34345872	AA	TT	1940138232
SNP_P1_12434_34346333	NC_021160.1	Ca_kabuli_chr01	34346333	CC	TT	1940138233
SNP_P1_12435_34351789	NC_021160.1	Ca_kabuli_chr01	34351789	AA	GG	1940138234
SNP_P1_12436_34352748	NC_021160.1	Ca_kabuli_chr01	34352748	GG	CC	1940138235
SNP_P1_12437_34352925	NC_021160.1	Ca_kabuli_chr01	34352925	AA	CC	1940138236
SNP_P1_12438_34353341	NC_021160.1	Ca_kabuli_chr01	34353341	TT	CC	1940138237
SNP_P1_12439_34354786	NC_021160.1	Ca_kabuli_chr01	34354786	AA	GG	1940138238
SNP_P1_12440_34355621	NC_021160.1	Ca_kabuli_chr01	34355621	AA	CC	1940138239
SNP_P1_12441_34356196	NC_021160.1	Ca_kabuli_chr01	34356196	CC	GG	1940138240
SNP_P1_12442_34357482	NC_021160.1	Ca_kabuli_chr01	34357482	CC	TT	1940138241
SNP_P1_12444_34360046	NC_021160.1	Ca_kabuli_chr01	34360046	AA	TT	1940138242
SNP_P1_12445_34360282	NC_021160.1	Ca_kabuli_chr01	34360282	CC	TT	1940138243
SNP_P1_12448_34364939	NC_021160.1	Ca_kabuli_chr01	34364939	AA	GG	1940138244
SNP_P1_12449_34366291	NC_021160.1	Ca_kabuli_chr01	34366291	GG	AA	1940138245
SNP_P1_12450_34367950	NC_021160.1	Ca_kabuli_chr01	34367950	CC	TT	1940138246
SNP_P1_12451_34369815	NC_021160.1	Ca_kabuli_chr01	34369815	AA	GG	1940138247
SNP_P1_12452_34370008	NC_021160.1	Ca_kabuli_chr01	34370008	CC	AA	1940138248
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SNP_P1_12460_34381395	NC_021160.1	Ca_kabuli_chr01	34381395	GG	TT	1940138255
SNP_P1_12461_34381768	NC_021160.1	Ca_kabuli_chr01	34381768	GG	AA	1940138256
SNP_P1_12463_34383931	NC_021160.1	Ca_kabuli_chr01	34383931	AA	CC	1940138257
SNP_P1_12464_34384300	NC_021160.1	Ca_kabuli_chr01	34384300	CC	TT	1940138258
SNP_P1_12467_34387079	NC_021160.1	Ca_kabuli_chr01	34387079	TT	CC	1940138259
SNP_P1_12468_34387470	NC_021160.1	Ca_kabuli_chr01	34387470	TT	CC	1940138260
SNP_P1_12469_34387489	NC_021160.1	Ca_kabuli_chr01	34387489	AA	GG	1940138261
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SNP_P1_12471_34388655	NC_021160.1	Ca_kabuli_chr01	34388655	GG	AA	1940138263
SNP_P1_12474_34391480	NC_021160.1	Ca_kabuli_chr01	34391480	AA	GG	1940138264
SNP_P1_12475_34392521	NC_021160.1	Ca_kabuli_chr01	34392521	AA	GG	1940138265
SNP_P1_12476_34392778	NC_021160.1	Ca_kabuli_chr01	34392778	AA	GG	1940138266
SNP_P1_12477_34393834	NC_021160.1	Ca_kabuli_chr01	34393834	AA	GG	1940138267
SNP_P1_12478_34393838	NC_021160.1	Ca_kabuli_chr01	34393838	AA	CC	1940138268

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12482_34401704	NC_021160.1	Ca_kabuli_chr01	34401704	CC	TT	1940138271
SNP_P1_12483_34404858	NC_021160.1	Ca_kabuli_chr01	34404858	GG	AA	1940138272
SNP_P1_12484_34405181	NC_021160.1	Ca_kabuli_chr01	34405181	AA	GG	1940138273
SNP_P1_12485_34405257	NC_021160.1	Ca_kabuli_chr01	34405257	GG	AA	1940138274
SNP_P1_12486_34405903	NC_021160.1	Ca_kabuli_chr01	34405903	AA	CC	1940138275
SNP_P1_12487_34407759	NC_021160.1	Ca_kabuli_chr01	34407759	AA	GG	1940138276
SNP_P1_12488_34407795	NC_021160.1	Ca_kabuli_chr01	34407795	AA	GG	1940138277
SNP_P1_12489_34414884	NC_021160.1	Ca_kabuli_chr01	34414884	CC	TT	1940138278
SNP_P1_12490_34415017	NC_021160.1	Ca_kabuli_chr01	34415017	TT	GG	1940138279
SNP_P1_12492_34415094	NC_021160.1	Ca_kabuli_chr01	34415094	AA	TT	1940138280
SNP_P1_12493_34415174	NC_021160.1	Ca_kabuli_chr01	34415174	TT	CC	1940138281
SNP_P1_12494_34418907	NC_021160.1	Ca_kabuli_chr01	34418907	AA	TT	1940138282
SNP_P1_12495_34419017	NC_021160.1	Ca_kabuli_chr01	34419017	CC	AA	1940138283
SNP_P1_12496_34419019	NC_021160.1	Ca_kabuli_chr01	34419019	AA	GG	1940138284
SNP_P1_12497_34425407	NC_021160.1	Ca_kabuli_chr01	34425407	GG	AA	1940138285
SNP_P1_12498_34425994	NC_021160.1	Ca_kabuli_chr01	34425994	CC	TT	1940138287
SNP_P1_12499_34426047	NC_021160.1	Ca_kabuli_chr01	34426047	CC	TT	1940138288
SNP_P1_12500_34426157	NC_021160.1	Ca_kabuli_chr01	34426157	CC	AA	1940138289
SNP_P1_12501_34426171	NC_021160.1	Ca_kabuli_chr01	34426171	TT	CC	1940138290
SNP_P1_12502_34432148	NC_021160.1	Ca_kabuli_chr01	34432148	GG	AA	1940138291
SNP_P1_12503_34432498	NC_021160.1	Ca_kabuli_chr01	34432498	AA	GG	1940138292
SNP_P1_12504_34433020	NC_021160.1	Ca_kabuli_chr01	34433020	TT	CC	1940138293
SNP_P1_12505_34433033	NC_021160.1	Ca_kabuli_chr01	34433033	CC	TT	1940138294
SNP_P1_12506_34433056	NC_021160.1	Ca_kabuli_chr01	34433056	TT	CC	1940138295
SNP_P1_12508_34460166	NC_021160.1	Ca_kabuli_chr01	34460166	TT	CC	1940138296
SNP_P1_12509_34460401	NC_021160.1	Ca_kabuli_chr01	34460401	AA	CC	1940138297
SNP_P1_12510_34487148	NC_021160.1	Ca_kabuli_chr01	34487148	TT	CC	1940138298
SNP_P1_12511_34498082	NC_021160.1	Ca_kabuli_chr01	34498082	AA	GG	1940138299
SNP_P1_12512_34498500	NC_021160.1	Ca_kabuli_chr01	34498500	CC	TT	1940138300
SNP_P1_12513_34498529	NC_021160.1	Ca_kabuli_chr01	34498529	GG	TT	1940138301
SNP_P1_12515_34513574	NC_021160.1	Ca_kabuli_chr01	34513574	CC	TT	1940138302
SNP_P1_12516_34513588	NC_021160.1	Ca_kabuli_chr01	34513588	TT	CC	1940138303
SNP_P1_12517_34513699	NC_021160.1	Ca_kabuli_chr01	34513699	TT	CC	1940138304
SNP_P1_12518_34514019	NC_021160.1	Ca_kabuli_chr01	34514019	AA	GG	1940138305
SNP_P1_12519_34529129	NC_021160.1	Ca_kabuli_chr01	34529129	GG	TT	1940138306
SNP_P1_12520_34571324	NC_021160.1	Ca_kabuli_chr01	34571324	AA	GG	1940138307
SNP_P1_12521_34571553	NC_021160.1	Ca_kabuli_chr01	34571553	CC	AA	1940138308
SNP_P1_12522_34580262	NC_021160.1	Ca_kabuli_chr01	34580262	AA	GG	1940138309
SNP_P1_12523_34580293	NC_021160.1	Ca_kabuli_chr01	34580293	AA	GG	1940138310
SNP_P1_12524_34580298	NC_021160.1	Ca_kabuli_chr01	34580298	TT	AA	1940138311

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12526_34583634	NC_021160.1	Ca_kabuli_chr01	34583634	GG	AA	1940138313
SNP_P1_12527_34584677	NC_021160.1	Ca_kabuli_chr01	34584677	AA	GG	1940138314
SNP_P1_12528_34586913	NC_021160.1	Ca_kabuli_chr01	34586913	AA	GG	1940138315
SNP_P1_12529_34592251	NC_021160.1	Ca_kabuli_chr01	34592251	TT	AA	1940138316
SNP_P1_12530_34592252	NC_021160.1	Ca_kabuli_chr01	34592252	AA	CC	1940138317
SNP_P1_12531_34593781	NC_021160.1	Ca_kabuli_chr01	34593781	CC	TT	1940138318
SNP_P1_12532_34596811	NC_021160.1	Ca_kabuli_chr01	34596811	TT	GG	1940138319
SNP_P1_12533_34599657	NC_021160.1	Ca_kabuli_chr01	34599657	GG	AA	1940138320
SNP_P1_12534_34600561	NC_021160.1	Ca_kabuli_chr01	34600561	TT	GG	1940138321
SNP_P1_12535_34602979	NC_021160.1	Ca_kabuli_chr01	34602979	CC	TT	1940138322
SNP_P1_12536_34602992	NC_021160.1	Ca_kabuli_chr01	34602992	GG	AA	1940138323
SNP_P1_12537_34603347	NC_021160.1	Ca_kabuli_chr01	34603347	AA	TT	1940138324
SNP_P1_12538_34603513	NC_021160.1	Ca_kabuli_chr01	34603513	CC	GG	1940138325
SNP_P1_12539_34614448	NC_021160.1	Ca_kabuli_chr01	34614448	CC	TT	1940138326
SNP_P1_12540_34614450	NC_021160.1	Ca_kabuli_chr01	34614450	CC	TT	1940138327
SNP_P1_12541_34614459	NC_021160.1	Ca_kabuli_chr01	34614459	AA	GG	1940138328
SNP_P1_12542_34617300	NC_021160.1	Ca_kabuli_chr01	34617300	AA	GG	1940138329
SNP_P1_12543_34617321	NC_021160.1	Ca_kabuli_chr01	34617321	TT	CC	1940138330
SNP_P1_12544_34620589	NC_021160.1	Ca_kabuli_chr01	34620589	TT	CC	1940138331
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SNP_P1_12546_34623022	NC_021160.1	Ca_kabuli_chr01	34623022	AA	GG	1940138333
SNP_P1_12547_34624912	NC_021160.1	Ca_kabuli_chr01	34624912	AA	GG	1940138334
SNP_P1_12548_34628803	NC_021160.1	Ca_kabuli_chr01	34628803	CC	TT	1940138336
SNP_P1_12549_34629997	NC_021160.1	Ca_kabuli_chr01	34629997	AA	GG	1940138337
SNP_P1_12550_34632435	NC_021160.1	Ca_kabuli_chr01	34632435	TT	GG	1940138338
SNP_P1_12551_34632579	NC_021160.1	Ca_kabuli_chr01	34632579	AA	TT	1940138339
SNP_P1_12552_34632944	NC_021160.1	Ca_kabuli_chr01	34632944	TT	CC	1940138340
SNP_P1_12553_34642495	NC_021160.1	Ca_kabuli_chr01	34642495	CC	GG	1940138341
SNP_P1_12554_34642706	NC_021160.1	Ca_kabuli_chr01	34642706	AA	CC	1940138342
SNP_P1_12555_34647044	NC_021160.1	Ca_kabuli_chr01	34647044	AA	GG	1940138343
SNP_P1_12558_34647276	NC_021160.1	Ca_kabuli_chr01	34647276	TT	GG	1940138344
SNP_P1_12559_34647459	NC_021160.1	Ca_kabuli_chr01	34647459	TT	CC	1940138345
SNP_P1_12560_34647555	NC_021160.1	Ca_kabuli_chr01	34647555	AA	GG	1940138346
SNP_P1_12562_34647639	NC_021160.1	Ca_kabuli_chr01	34647639	GG	AA	1940138347
SNP_P1_12563_34656476	NC_021160.1	Ca_kabuli_chr01	34656476	CC	TT	1940138348
SNP_P1_12564_34661056	NC_021160.1	Ca_kabuli_chr01	34661056	AA	GG	1940138349
SNP_P1_12565_34662386	NC_021160.1	Ca_kabuli_chr01	34662386	TT	CC	1940138350
SNP_P1_12566_34662793	NC_021160.1	Ca_kabuli_chr01	34662793	AA	GG	1940138351
SNP_P1_12567_34662844	NC_021160.1	Ca_kabuli_chr01	34662844	AA	TT	1940138352
SNP_P1_12568_34662884	NC_021160.1	Ca_kabuli_chr01	34662884	TT	AA	1940138353
SNP_P1_12569_34663229	NC_021160.1	Ca_kabuli_chr01	34663229	AA	CC	1940138354

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12573_34675233	NC_021160.1	Ca_kabuli_chr01	34675233	AA	TT	1940138356
SNP_P1_12574_34675273	NC_021160.1	Ca_kabuli_chr01	34675273	GG	AA	1940138357
SNP_P1_12575_34675416	NC_021160.1	Ca_kabuli_chr01	34675416	CC	TT	1940138358
SNP_P1_12576_34675432	NC_021160.1	Ca_kabuli_chr01	34675432	TT	AA	1940138359
SNP_P1_12577_34678969	NC_021160.1	Ca_kabuli_chr01	34678969	AA	GG	1940138360
SNP_P1_12579_34682778	NC_021160.1	Ca_kabuli_chr01	34682778	CC	GG	1940138361
SNP_P1_12580_34682859	NC_021160.1	Ca_kabuli_chr01	34682859	TT	AA	1940138362
SNP_P1_12581_34682951	NC_021160.1	Ca_kabuli_chr01	34682951	AA	GG	1940138363
SNP_P1_12582_34682957	NC_021160.1	Ca_kabuli_chr01	34682957	AA	GG	1940138364
SNP_P1_12583_34683011	NC_021160.1	Ca_kabuli_chr01	34683011	TT	GG	1940138365
SNP_P1_12584_34683178	NC_021160.1	Ca_kabuli_chr01	34683178	GG	AA	1940138366
SNP_P1_12585_34685173	NC_021160.1	Ca_kabuli_chr01	34685173	GG	AA	1940138367
SNP_P1_12586_34686786	NC_021160.1	Ca_kabuli_chr01	34686786	AA	GG	1940138368
SNP_P1_12587_34686829	NC_021160.1	Ca_kabuli_chr01	34686829	TT	CC	1940138369
SNP_P1_12588_34687197	NC_021160.1	Ca_kabuli_chr01	34687197	CC	TT	1940138370
SNP_P1_12589_34687477	NC_021160.1	Ca_kabuli_chr01	34687477	AA	CC	1940138371
SNP_P1_12590_34687730	NC_021160.1	Ca_kabuli_chr01	34687730	TT	CC	1940138372
SNP_P1_12591_34687735	NC_021160.1	Ca_kabuli_chr01	34687735	CC	GG	1940138373
SNP_P1_12592_34691216	NC_021160.1	Ca_kabuli_chr01	34691216	AA	GG	1940138374
SNP_P1_12593_34691433	NC_021160.1	Ca_kabuli_chr01	34691433	CC	TT	1940138375
SNP_P1_12594_34691446	NC_021160.1	Ca_kabuli_chr01	34691446	TT	CC	1940138376
SNP_P1_12595_34691598	NC_021160.1	Ca_kabuli_chr01	34691598	TT	CC	1940138377
SNP_P1_12596_34693838	NC_021160.1	Ca_kabuli_chr01	34693838	AA	GG	1940138378
SNP_P1_12599_34694836	NC_021160.1	Ca_kabuli_chr01	34694836	TT	AA	1940138380
SNP_P1_12600_34698412	NC_021160.1	Ca_kabuli_chr01	34698412	AA	GG	1940138381
SNP_P1_12601_34699432	NC_021160.1	Ca_kabuli_chr01	34699432	TT	GG	1940138382
SNP_P1_12602_34701641	NC_021160.1	Ca_kabuli_chr01	34701641	GG	AA	1940138383
SNP_P1_12603_34702486	NC_021160.1	Ca_kabuli_chr01	34702486	GG	AA	1940138384
SNP_P1_12604_34704133	NC_021160.1	Ca_kabuli_chr01	34704133	GG	AA	1940138385
SNP_P1_12605_34704990	NC_021160.1	Ca_kabuli_chr01	34704990	TT	AA	1940138386
SNP_P1_12606_34704999	NC_021160.1	Ca_kabuli_chr01	34704999	CC	TT	1940138387
SNP_P1_12607_34706639	NC_021160.1	Ca_kabuli_chr01	34706639	GG	AA	1940138388
SNP_P1_12608_34710728	NC_021160.1	Ca_kabuli_chr01	34710728	TT	AA	1940138389
SNP_P1_12609_34719732	NC_021160.1	Ca_kabuli_chr01	34719732	AA	GG	1940138390
SNP_P1_12610_34719735	NC_021160.1	Ca_kabuli_chr01	34719735	AA	GG	1940138392
SNP_P1_12611_34723309	NC_021160.1	Ca_kabuli_chr01	34723309	AA	GG	1940138393
SNP_P1_12612_34736605	NC_021160.1	Ca_kabuli_chr01	34736605	TT	CC	1940138394
SNP_P1_12613_34739096	NC_021160.1	Ca_kabuli_chr01	34739096	CC	AA	1940138395
SNP_P1_12614_34741532	NC_021160.1	Ca_kabuli_chr01	34741532	GG	TT	1940138396
SNP_P1_12615_34745867	NC_021160.1	Ca_kabuli_chr01	34745867	GG	AA	1940138397
SNP_P1_12616_34747286	NC_021160.1	Ca_kabuli_chr01	34747286	TT	CC	1940138398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_12618_34757430	NC_021160.1	Ca_kabuli_chr01	34757430	AA	GG	1940138399
SNP_P1_12619_34757966	NC_021160.1	Ca_kabuli_chr01	34757966	CC	AA	1940138400
SNP_P1_12620_34762675	NC_021160.1	Ca_kabuli_chr01	34762675	GG	AA	1940138401
SNP_P1_12621_34766111	NC_021160.1	Ca_kabuli_chr01	34766111	TT	CC	1940138402
SNP_P1_12622_34766818	NC_021160.1	Ca_kabuli_chr01	34766818	CC	AA	1940138404
SNP_P1_12623_34769530	NC_021160.1	Ca_kabuli_chr01	34769530	GG	AA	1940138405
SNP_P1_12624_34774678	NC_021160.1	Ca_kabuli_chr01	34774678	AA	CC	1940138406
SNP_P1_12625_34775116	NC_021160.1	Ca_kabuli_chr01	34775116	GG	AA	1940138407
SNP_P1_12626_34785068	NC_021160.1	Ca_kabuli_chr01	34785068	AA	GG	1940138408
SNP_P1_12627_34788148	NC_021160.1	Ca_kabuli_chr01	34788148	TT	GG	1940138409
SNP_P1_12628_34800474	NC_021160.1	Ca_kabuli_chr01	34800474	TT	CC	1940138410
SNP_P1_12629_34800493	NC_021160.1	Ca_kabuli_chr01	34800493	CC	TT	1940138411
SNP_P1_12630_34800495	NC_021160.1	Ca_kabuli_chr01	34800495	AA	CC	1940138412
SNP_P1_12631_34800546	NC_021160.1	Ca_kabuli_chr01	34800546	GG	TT	1940138413
SNP_P1_12632_34800566	NC_021160.1	Ca_kabuli_chr01	34800566	CC	TT	1940138414
SNP_P1_12633_34802498	NC_021160.1	Ca_kabuli_chr01	34802498	CC	TT	1940138415
SNP_P1_12634_34803447	NC_021160.1	Ca_kabuli_chr01	34803447	CC	GG	1940138417
SNP_P1_12635_34806603	NC_021160.1	Ca_kabuli_chr01	34806603	TT	GG	1940138418
SNP_P1_12636_34806663	NC_021160.1	Ca_kabuli_chr01	34806663	AA	TT	1940138419
SNP_P1_12637_34808088	NC_021160.1	Ca_kabuli_chr01	34808088	TT	AA	1940138420
SNP_P1_12639_34809952	NC_021160.1	Ca_kabuli_chr01	34809952	TT	CC	1940138421
SNP_P1_12641_34814077	NC_021160.1	Ca_kabuli_chr01	34814077	TT	CC	1940138422
SNP_P1_12642_34821969	NC_021160.1	Ca_kabuli_chr01	34821969	GG	AA	1940138423
SNP_P1_12643_34822300	NC_021160.1	Ca_kabuli_chr01	34822300	TT	AA	1940138424
SNP_P1_12644_34822348	NC_021160.1	Ca_kabuli_chr01	34822348	CC	TT	1940138425
SNP_P1_12645_34823679	NC_021160.1	Ca_kabuli_chr01	34823679	AA	TT	1940138426
SNP_P1_12646_34825459	NC_021160.1	Ca_kabuli_chr01	34825459	CC	GG	1940138427
SNP_P1_12647_34828422	NC_021160.1	Ca_kabuli_chr01	34828422	CC	TT	1940138428
SNP_P1_12648_34832271	NC_021160.1	Ca_kabuli_chr01	34832271	GG	AA	1940138429
SNP_P1_12649_34834178	NC_021160.1	Ca_kabuli_chr01	34834178	TT	CC	1940138430
SNP_P1_12650_34835031	NC_021160.1	Ca_kabuli_chr01	34835031	CC	GG	1940138431
SNP_P1_12651_34835047	NC_021160.1	Ca_kabuli_chr01	34835047	TT	AA	1940138432
SNP_P1_12652_34835382	NC_021160.1	Ca_kabuli_chr01	34835382	TT	CC	1940138433
SNP_P1_12653_34838850	NC_021160.1	Ca_kabuli_chr01	34838850	GG	AA	1940138434
SNP_P1_12654_34842189	NC_021160.1	Ca_kabuli_chr01	34842189	CC	TT	1940138436
SNP_P1_12655_34842853	NC_021160.1	Ca_kabuli_chr01	34842853	AA	GG	1940138437
SNP_P1_12656_34844886	NC_021160.1	Ca_kabuli_chr01	34844886	TT	CC	1940138438
SNP_P1_12658_34848500	NC_021160.1	Ca_kabuli_chr01	34848500	GG	TT	1940138439
SNP_P1_12659_34849292	NC_021160.1	Ca_kabuli_chr01	34849292	GG	AA	1940138440
SNP_P1_12660_34852527	NC_021160.1	Ca_kabuli_chr01	34852527	AA	CC	1940138441
SNP_P1_12662_34855579	NC_021160.1	Ca_kabuli_chr01	34855579	AA	CC	1940138442
SNP_P1_12663_34855644	NC_021160.1	Ca_kabuli_chr01	34855644	GG	AA	1940138443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12666_34863035	NC_021160.1	Ca_kabuli_chr01	34863035	CC	GG	1940138446
SNP_P1_12667_34865652	NC_021160.1	Ca_kabuli_chr01	34865652	AA	GG	1940138447
SNP_P1_12668_34884710	NC_021160.1	Ca_kabuli_chr01	34884710	TT	CC	1940138448
SNP_P1_12669_34886314	NC_021160.1	Ca_kabuli_chr01	34886314	AA	GG	1940138449
SNP_P1_12671_34893392	NC_021160.1	Ca_kabuli_chr01	34893392	TT	CC	1940138450
SNP_P1_12672_34893957	NC_021160.1	Ca_kabuli_chr01	34893957	GG	TT	1940138451
SNP_P1_12673_34895908	NC_021160.1	Ca_kabuli_chr01	34895908	GG	AA	1940138452
SNP_P1_12674_34899538	NC_021160.1	Ca_kabuli_chr01	34899538	TT	AA	1940138453
SNP_P1_12675_34899539	NC_021160.1	Ca_kabuli_chr01	34899539	AA	CC	1940138454
SNP_P1_12676_34902267	NC_021160.1	Ca_kabuli_chr01	34902267	GG	AA	1940138455
SNP_P1_12677_34903757	NC_021160.1	Ca_kabuli_chr01	34903757	GG	AA	1940138456
SNP_P1_12678_34903935	NC_021160.1	Ca_kabuli_chr01	34903935	TT	CC	1940138457
SNP_P1_12679_34905211	NC_021160.1	Ca_kabuli_chr01	34905211	GG	CC	1940138458
SNP_P1_12681_34908640	NC_021160.1	Ca_kabuli_chr01	34908640	AA	TT	1940138459
SNP_P1_12682_34909253	NC_021160.1	Ca_kabuli_chr01	34909253	CC	AA	1940138460
SNP_P1_12683_34912112	NC_021160.1	Ca_kabuli_chr01	34912112	CC	TT	1940138461
SNP_P1_12684_34912169	NC_021160.1	Ca_kabuli_chr01	34912169	AA	TT	1940138462
SNP_P1_12685_34914603	NC_021160.1	Ca_kabuli_chr01	34914603	CC	TT	1940138463
SNP_P1_12686_34914957	NC_021160.1	Ca_kabuli_chr01	34914957	AA	GG	1940138464
SNP_P1_12687_34917577	NC_021160.1	Ca_kabuli_chr01	34917577	TT	CC	1940138465
SNP_P1_12688_34919016	NC_021160.1	Ca_kabuli_chr01	34919016	AA	GG	1940138466
SNP_P1_12689_34920470	NC_021160.1	Ca_kabuli_chr01	34920470	AA	GG	1940138467
SNP_P1_12690_34921142	NC_021160.1	Ca_kabuli_chr01	34921142	AA	CC	1940138469
SNP_P1_12691_34921840	NC_021160.1	Ca_kabuli_chr01	34921840	TT	CC	1940138470
SNP_P1_12692_34922802	NC_021160.1	Ca_kabuli_chr01	34922802	CC	TT	1940138471
SNP_P1_12693_34932380	NC_021160.1	Ca_kabuli_chr01	34932380	AA	TT	1940138472
SNP_P1_12694_34934344	NC_021160.1	Ca_kabuli_chr01	34934344	CC	AA	1940138473
SNP_P1_12695_34934345	NC_021160.1	Ca_kabuli_chr01	34934345	AA	CC	1940138474
SNP_P1_12696_34935136	NC_021160.1	Ca_kabuli_chr01	34935136	TT	GG	1940138475
SNP_P1_12698_34943209	NC_021160.1	Ca_kabuli_chr01	34943209	AA	TT	1940138476
SNP_P1_12699_34945618	NC_021160.1	Ca_kabuli_chr01	34945618	AA	GG	1940138477
SNP_P1_12700_34949995	NC_021160.1	Ca_kabuli_chr01	34949995	CC	TT	1940138478
SNP_P1_12701_34951368	NC_021160.1	Ca_kabuli_chr01	34951368	CC	TT	1940138479
SNP_P1_12702_34955301	NC_021160.1	Ca_kabuli_chr01	34955301	GG	AA	1940138480
SNP_P1_12703_34956974	NC_021160.1	Ca_kabuli_chr01	34956974	GG	AA	1940138481
SNP_P1_12704_34956978	NC_021160.1	Ca_kabuli_chr01	34956978	AA	GG	1940138482
SNP_P1_12705_34959812	NC_021160.1	Ca_kabuli_chr01	34959812	TT	CC	1940138483
SNP_P1_12706_34959902	NC_021160.1	Ca_kabuli_chr01	34959902	GG	TT	1940138484
SNP_P1_12707_34959905	NC_021160.1	Ca_kabuli_chr01	34959905	TT	GG	1940138485
SNP_P1_12708_34959908	NC_021160.1	Ca_kabuli_chr01	34959908	CC	AA	1940138486

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12710_34959910	NC_021160.1	Ca_kabuli_chr01	34959910	AA	GG	1940138488
SNP_P1_12711_34959911	NC_021160.1	Ca_kabuli_chr01	34959911	CC	AA	1940138489
SNP_P1_12712_34961851	NC_021160.1	Ca_kabuli_chr01	34961851	AA	GG	1940138490
SNP_P1_12713_34970094	NC_021160.1	Ca_kabuli_chr01	34970094	GG	TT	1940138491
SNP_P1_12714_34970871	NC_021160.1	Ca_kabuli_chr01	34970871	AA	GG	1940138492
SNP_P1_12715_34970986	NC_021160.1	Ca_kabuli_chr01	34970986	GG	AA	1940138493
SNP_P1_12716_34970993	NC_021160.1	Ca_kabuli_chr01	34970993	AA	TT	1940138494
SNP_P1_12718_34971337	NC_021160.1	Ca_kabuli_chr01	34971337	AA	GG	1940138495
SNP_P1_12719_34971488	NC_021160.1	Ca_kabuli_chr01	34971488	GG	AA	1940138496
SNP_P1_12720_34971522	NC_021160.1	Ca_kabuli_chr01	34971522	AA	GG	1940138497
SNP_P1_12721_34973116	NC_021160.1	Ca_kabuli_chr01	34973116	AA	GG	1940138498
SNP_P1_12723_34980831	NC_021160.1	Ca_kabuli_chr01	34980831	CC	AA	1940138499
SNP_P1_12725_34986700	NC_021160.1	Ca_kabuli_chr01	34986700	AA	TT	1940138501
SNP_P1_12726_34987093	NC_021160.1	Ca_kabuli_chr01	34987093	CC	TT	1940138502
SNP_P1_12727_34989029	NC_021160.1	Ca_kabuli_chr01	34989029	GG	AA	1940138503
SNP_P1_12728_34989034	NC_021160.1	Ca_kabuli_chr01	34989034	CC	TT	1940138504
SNP_P1_12729_34989057	NC_021160.1	Ca_kabuli_chr01	34989057	TT	CC	1940138505
SNP_P1_12730_34989064	NC_021160.1	Ca_kabuli_chr01	34989064	AA	GG	1940138506
SNP_P1_12731_34989075	NC_021160.1	Ca_kabuli_chr01	34989075	GG	CC	1940138507
SNP_P1_12732_34989079	NC_021160.1	Ca_kabuli_chr01	34989079	AA	CC	1940138508
SNP_P1_12733_34989095	NC_021160.1	Ca_kabuli_chr01	34989095	TT	CC	1940138509
SNP_P1_12735_34989128	NC_021160.1	Ca_kabuli_chr01	34989128	GG	AA	1940138510
SNP_P1_12736_34989148	NC_021160.1	Ca_kabuli_chr01	34989148	AA	TT	1940138511
SNP_P1_12737_34989194	NC_021160.1	Ca_kabuli_chr01	34989194	AA	GG	1940138512
SNP_P1_12738_34989197	NC_021160.1	Ca_kabuli_chr01	34989197	GG	AA	1940138513
SNP_P1_12739_34989206	NC_021160.1	Ca_kabuli_chr01	34989206	GG	AA	1940138514
SNP_P1_12740_34989329	NC_021160.1	Ca_kabuli_chr01	34989329	CC	GG	1940138515
SNP_P1_12742_34991126	NC_021160.1	Ca_kabuli_chr01	34991126	GG	AA	1940138516
SNP_P1_12743_34991149	NC_021160.1	Ca_kabuli_chr01	34991149	TT	CC	1940138517
SNP_P1_12744_34991785	NC_021160.1	Ca_kabuli_chr01	34991785	AA	GG	1940138518
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SNP_P1_12746_34992129	NC_021160.1	Ca_kabuli_chr01	34992129	TT	AA	1940138520
SNP_P1_12747_34994013	NC_021160.1	Ca_kabuli_chr01	34994013	CC	TT	1940138521
SNP_P1_12748_34994500	NC_021160.1	Ca_kabuli_chr01	34994500	GG	CC	1940138522
SNP_P1_12749_34994977	NC_021160.1	Ca_kabuli_chr01	34994977	CC	TT	1940138523
SNP_P1_12750_34996644	NC_021160.1	Ca_kabuli_chr01	34996644	GG	AA	1940138524
SNP_P1_12751_34996650	NC_021160.1	Ca_kabuli_chr01	34996650	AA	GG	1940138525
SNP_P1_12752_34996667	NC_021160.1	Ca_kabuli_chr01	34996667	AA	GG	1940138526
SNP_P1_12753_34996679	NC_021160.1	Ca_kabuli_chr01	34996679	CC	AA	1940138527
SNP_P1_12754_34996722	NC_021160.1	Ca_kabuli_chr01	34996722	CC	AA	1940138528
SNP_P1_12755_34996723	NC_021160.1	Ca_kabuli_chr01	34996723	CC	TT	1940138529

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12757_34996732	NC_021160.1	Ca_kabuli_chr01	34996732	CC	TT	1940138531
SNP_P1_12758_34996761	NC_021160.1	Ca_kabuli_chr01	34996761	TT	CC	1940138532
SNP_P1_12759_34996814	NC_021160.1	Ca_kabuli_chr01	34996814	AA	TT	1940138533
SNP_P1_12760_34996830	NC_021160.1	Ca_kabuli_chr01	34996830	GG	AA	1940138534
SNP_P1_12761_34996912	NC_021160.1	Ca_kabuli_chr01	34996912	CC	TT	1940138536
SNP_P1_12762_34996925	NC_021160.1	Ca_kabuli_chr01	34996925	GG	TT	1940138537
SNP_P1_12763_34996946	NC_021160.1	Ca_kabuli_chr01	34996946	TT	AA	1940138538
SNP_P1_12764_34997012	NC_021160.1	Ca_kabuli_chr01	34997012	CC	TT	1940138539
SNP_P1_12765_34997096	NC_021160.1	Ca_kabuli_chr01	34997096	GG	AA	1940138540
SNP_P1_12766_34997126	NC_021160.1	Ca_kabuli_chr01	34997126	GG	TT	1940138541
SNP_P1_12767_34997162	NC_021160.1	Ca_kabuli_chr01	34997162	CC	TT	1940138542
SNP_P1_12768_34998131	NC_021160.1	Ca_kabuli_chr01	34998131	GG	AA	1940138543
SNP_P1_12769_34998309	NC_021160.1	Ca_kabuli_chr01	34998309	TT	GG	1940138544
SNP_P1_12770_34998781	NC_021160.1	Ca_kabuli_chr01	34998781	AA	GG	1940138545
SNP_P1_12771_35001470	NC_021160.1	Ca_kabuli_chr01	35001470	AA	TT	1940138546
SNP_P1_12772_35001668	NC_021160.1	Ca_kabuli_chr01	35001668	AA	GG	1940138547
SNP_P1_12773_35007373	NC_021160.1	Ca_kabuli_chr01	35007373	TT	AA	1940138548
SNP_P1_12774_35007713	NC_021160.1	Ca_kabuli_chr01	35007713	GG	TT	1940138549
SNP_P1_12775_35009616	NC_021160.1	Ca_kabuli_chr01	35009616	AA	GG	1940138550
SNP_P1_12776_35010470	NC_021160.1	Ca_kabuli_chr01	35010470	GG	AA	1940138551
SNP_P1_12777_35010949	NC_021160.1	Ca_kabuli_chr01	35010949	AA	GG	1940138552
SNP_P1_12778_35011571	NC_021160.1	Ca_kabuli_chr01	35011571	TT	AA	1940138553
SNP_P1_12779_35024174	NC_021160.1	Ca_kabuli_chr01	35024174	CC	TT	1940138554
SNP_P1_12780_35033868	NC_021160.1	Ca_kabuli_chr01	35033868	AA	TT	1940138555
SNP_P1_12781_35036940	NC_021160.1	Ca_kabuli_chr01	35036940	TT	CC	1940138556
SNP_P1_12782_35043213	NC_021160.1	Ca_kabuli_chr01	35043213	CC	GG	1940138557
SNP_P1_12783_35045524	NC_021160.1	Ca_kabuli_chr01	35045524	TT	CC	1940138558
SNP_P1_12784_35046629	NC_021160.1	Ca_kabuli_chr01	35046629	TT	CC	1940138559
SNP_P1_12785_35051297	NC_021160.1	Ca_kabuli_chr01	35051297	CC	TT	1940138560
SNP_P1_12786_35051578	NC_021160.1	Ca_kabuli_chr01	35051578	CC	AA	1940138561
SNP_P1_12788_35054839	NC_021160.1	Ca_kabuli_chr01	35054839	TT	CC	1940138562
SNP_P1_12789_35056686	NC_021160.1	Ca_kabuli_chr01	35056686	GG	AA	1940138563
SNP_P1_12790_35057189	NC_021160.1	Ca_kabuli_chr01	35057189	AA	GG	1940138564
SNP_P1_12791_35057208	NC_021160.1	Ca_kabuli_chr01	35057208	CC	TT	1940138565
SNP_P1_12792_35057388	NC_021160.1	Ca_kabuli_chr01	35057388	TT	GG	1940138567
SNP_P1_12793_35057391	NC_021160.1	Ca_kabuli_chr01	35057391	GG	TT	1940138568
SNP_P1_12794_35057514	NC_021160.1	Ca_kabuli_chr01	35057514	CC	TT	1940138569
SNP_P1_12795_35057732	NC_021160.1	Ca_kabuli_chr01	35057732	GG	AA	1940138570
SNP_P1_12796_35057752	NC_021160.1	Ca_kabuli_chr01	35057752	AA	GG	1940138571
SNP_P1_12797_35058375	NC_021160.1	Ca_kabuli_chr01	35058375	GG	AA	1940138572
SNP_P1_12801_35062255	NC_021160.1	Ca_kabuli_chr01	35062255	TT	AA	1940138573

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12803_35067856	NC_021160.1	Ca_kabuli_chr01	35067856	CC	AA	1940138575
SNP_P1_12804_35069829	NC_021160.1	Ca_kabuli_chr01	35069829	AA	GG	1940138576
SNP_P1_12805_35070458	NC_021160.1	Ca_kabuli_chr01	35070458	CC	AA	1940138577
SNP_P1_12806_35071591	NC_021160.1	Ca_kabuli_chr01	35071591	AA	GG	1940138578
SNP_P1_12807_35071881	NC_021160.1	Ca_kabuli_chr01	35071881	CC	TT	1940138579
SNP_P1_12808_35071987	NC_021160.1	Ca_kabuli_chr01	35071987	CC	TT	1940138580
SNP_P1_12809_35073057	NC_021160.1	Ca_kabuli_chr01	35073057	AA	TT	1940138581
SNP_P1_12810_35073459	NC_021160.1	Ca_kabuli_chr01	35073459	CC	TT	1940138582
SNP_P1_12811_35073667	NC_021160.1	Ca_kabuli_chr01	35073667	AA	GG	1940138583
SNP_P1_12812_35075096	NC_021160.1	Ca_kabuli_chr01	35075096	CC	AA	1940138584
SNP_P1_12813_35075606	NC_021160.1	Ca_kabuli_chr01	35075606	AA	GG	1940138585
SNP_P1_12817_35078734	NC_021160.1	Ca_kabuli_chr01	35078734	AA	CC	1940138586
SNP_P1_12818_35078873	NC_021160.1	Ca_kabuli_chr01	35078873	AA	TT	1940138587
SNP_P1_12819_35079240	NC_021160.1	Ca_kabuli_chr01	35079240	TT	CC	1940138588
SNP_P1_12820_35080677	NC_021160.1	Ca_kabuli_chr01	35080677	AA	GG	1940138589
SNP_P1_12821_35081150	NC_021160.1	Ca_kabuli_chr01	35081150	AA	GG	1940138590
SNP_P1_12822_35082413	NC_021160.1	Ca_kabuli_chr01	35082413	CC	TT	1940138591
SNP_P1_12823_35084217	NC_021160.1	Ca_kabuli_chr01	35084217	CC	TT	1940138592
SNP_P1_12824_35085125	NC_021160.1	Ca_kabuli_chr01	35085125	AA	CC	1940138593
SNP_P1_12825_35085366	NC_021160.1	Ca_kabuli_chr01	35085366	TT	CC	1940138594
SNP_P1_12826_35087422	NC_021160.1	Ca_kabuli_chr01	35087422	AA	CC	1940138595
SNP_P1_12827_35091735	NC_021160.1	Ca_kabuli_chr01	35091735	GG	AA	1940138597
SNP_P1_12829_35094140	NC_021160.1	Ca_kabuli_chr01	35094140	AA	GG	1940138598
SNP_P1_12830_35094147	NC_021160.1	Ca_kabuli_chr01	35094147	CC	GG	1940138599
SNP_P1_12832_35096443	NC_021160.1	Ca_kabuli_chr01	35096443	AA	TT	1940138600
SNP_P1_12833_35096477	NC_021160.1	Ca_kabuli_chr01	35096477	AA	GG	1940138601
SNP_P1_12834_35096525	NC_021160.1	Ca_kabuli_chr01	35096525	TT	CC	1940138602
SNP_P1_12835_35097234	NC_021160.1	Ca_kabuli_chr01	35097234	AA	GG	1940138603
SNP_P1_12836_35097368	NC_021160.1	Ca_kabuli_chr01	35097368	TT	CC	1940138604
SNP_P1_12837_35098207	NC_021160.1	Ca_kabuli_chr01	35098207	AA	GG	1940138605
SNP_P1_12838_35106038	NC_021160.1	Ca_kabuli_chr01	35106038	AA	GG	1940138606
SNP_P1_12839_35106678	NC_021160.1	Ca_kabuli_chr01	35106678	CC	TT	1940138607
SNP_P1_12840_35106710	NC_021160.1	Ca_kabuli_chr01	35106710	GG	AA	1940138608
SNP_P1_12841_35109558	NC_021160.1	Ca_kabuli_chr01	35109558	AA	TT	1940138609
SNP_P1_12842_35111629	NC_021160.1	Ca_kabuli_chr01	35111629	CC	TT	1940138610
SNP_P1_12843_35111633	NC_021160.1	Ca_kabuli_chr01	35111633	TT	CC	1940138611
SNP_P1_12844_35111639	NC_021160.1	Ca_kabuli_chr01	35111639	TT	CC	1940138612
SNP_P1_12845_35111644	NC_021160.1	Ca_kabuli_chr01	35111644	AA	GG	1940138613
SNP_P1_12847_35115990	NC_021160.1	Ca_kabuli_chr01	35115990	AA	GG	1940138614
SNP_P1_12848_35116498	NC_021160.1	Ca_kabuli_chr01	35116498	TT	CC	1940138615
SNP_P1_12849_35117075	NC_021160.1	Ca_kabuli_chr01	35117075	CC	TT	1940138616

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12853_35124693	NC_021160.1	Ca_kabuli_chr01	35124693	CC	TT	1940138618
SNP_P1_12854_35124736	NC_021160.1	Ca_kabuli_chr01	35124736	GG	AA	1940138619
SNP_P1_12855_35124764	NC_021160.1	Ca_kabuli_chr01	35124764	AA	GG	1940138621
SNP_P1_12856_35124773	NC_021160.1	Ca_kabuli_chr01	35124773	AA	GG	1940138622
SNP_P1_12857_35124789	NC_021160.1	Ca_kabuli_chr01	35124789	GG	AA	1940138623
SNP_P1_12858_35124790	NC_021160.1	Ca_kabuli_chr01	35124790	GG	AA	1940138624
SNP_P1_12859_35125145	NC_021160.1	Ca_kabuli_chr01	35125145	GG	TT	1940138625
SNP_P1_12860_35125701	NC_021160.1	Ca_kabuli_chr01	35125701	GG	TT	1940138626
SNP_P1_12861_35127381	NC_021160.1	Ca_kabuli_chr01	35127381	TT	AA	1940138627
SNP_P1_12862_35128500	NC_021160.1	Ca_kabuli_chr01	35128500	GG	AA	1940138628
SNP_P1_12863_35129879	NC_021160.1	Ca_kabuli_chr01	35129879	GG	AA	1940138629
SNP_P1_12865_35131824	NC_021160.1	Ca_kabuli_chr01	35131824	CC	TT	1940138630
SNP_P1_12866_35131835	NC_021160.1	Ca_kabuli_chr01	35131835	AA	GG	1940138631
SNP_P1_12868_35132375	NC_021160.1	Ca_kabuli_chr01	35132375	GG	AA	1940138632
SNP_P1_12869_35133011	NC_021160.1	Ca_kabuli_chr01	35133011	TT	GG	1940138633
SNP_P1_12870_35135772	NC_021160.1	Ca_kabuli_chr01	35135772	CC	TT	1940138634
SNP_P1_12871_35135864	NC_021160.1	Ca_kabuli_chr01	35135864	CC	AA	1940138635
SNP_P1_12872_35138812	NC_021160.1	Ca_kabuli_chr01	35138812	AA	GG	1940138636
SNP_P1_12873_35139998	NC_021160.1	Ca_kabuli_chr01	35139998	AA	TT	1940138637
SNP_P1_12874_35142439	NC_021160.1	Ca_kabuli_chr01	35142439	CC	AA	1940138638
SNP_P1_12875_35142461	NC_021160.1	Ca_kabuli_chr01	35142461	CC	TT	1940138639
SNP_P1_12876_35142469	NC_021160.1	Ca_kabuli_chr01	35142469	TT	CC	1940138640
SNP_P1_12877_35143433	NC_021160.1	Ca_kabuli_chr01	35143433	AA	CC	1940138641
SNP_P1_12878_35143437	NC_021160.1	Ca_kabuli_chr01	35143437	GG	CC	1940138642
SNP_P1_12879_35143451	NC_021160.1	Ca_kabuli_chr01	35143451	TT	GG	1940138643
SNP_P1_12880_35143738	NC_021160.1	Ca_kabuli_chr01	35143738	GG	AA	1940138644
SNP_P1_12881_35144116	NC_021160.1	Ca_kabuli_chr01	35144116	GG	AA	1940138645
SNP_P1_12882_35144126	NC_021160.1	Ca_kabuli_chr01	35144126	AA	TT	1940138646
SNP_P1_12883_35145418	NC_021160.1	Ca_kabuli_chr01	35145418	GG	AA	1940138647
SNP_P1_12884_35145440	NC_021160.1	Ca_kabuli_chr01	35145440	GG	AA	1940138648
SNP_P1_12885_35145626	NC_021160.1	Ca_kabuli_chr01	35145626	CC	TT	1940138649
SNP_P1_12886_35145642	NC_021160.1	Ca_kabuli_chr01	35145642	AA	TT	1940138651
SNP_P1_12887_35145651	NC_021160.1	Ca_kabuli_chr01	35145651	CC	TT	1940138652
SNP_P1_12888_35145652	NC_021160.1	Ca_kabuli_chr01	35145652	TT	CC	1940138653
SNP_P1_12889_35145672	NC_021160.1	Ca_kabuli_chr01	35145672	CC	TT	1940138654
SNP_P1_12890_35145687	NC_021160.1	Ca_kabuli_chr01	35145687	GG	AA	1940138655
SNP_P1_12891_35145702	NC_021160.1	Ca_kabuli_chr01	35145702	TT	AA	1940138656
SNP_P1_12892_35145703	NC_021160.1	Ca_kabuli_chr01	35145703	TT	GG	1940138657
SNP_P1_12893_35145852	NC_021160.1	Ca_kabuli_chr01	35145852	AA	GG	1940138658
SNP_P1_12894_35145859	NC_021160.1	Ca_kabuli_chr01	35145859	CC	TT	1940138659
SNP_P1_12895_35145877	NC_021160.1	Ca_kabuli_chr01	35145877	TT	AA	1940138660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12897_35146134	NC_021160.1	Ca_kabuli_chr01	35146134	AA	CC	1940138662
SNP_P1_12898_35146145	NC_021160.1	Ca_kabuli_chr01	35146145	TT	AA	1940138663
SNP_P1_12899_35146149	NC_021160.1	Ca_kabuli_chr01	35146149	TT	CC	1940138664
SNP_P1_12900_35146160	NC_021160.1	Ca_kabuli_chr01	35146160	AA	CC	1940138665
SNP_P1_12901_35146189	NC_021160.1	Ca_kabuli_chr01	35146189	AA	GG	1940138666
SNP_P1_12902_35146203	NC_021160.1	Ca_kabuli_chr01	35146203	GG	TT	1940138667
SNP_P1_12903_35146215	NC_021160.1	Ca_kabuli_chr01	35146215	TT	CC	1940138668
SNP_P1_12904_35146244	NC_021160.1	Ca_kabuli_chr01	35146244	TT	CC	1940138670
SNP_P1_12905_35146266	NC_021160.1	Ca_kabuli_chr01	35146266	TT	GG	1940138671
SNP_P1_12906_35146317	NC_021160.1	Ca_kabuli_chr01	35146317	CC	GG	1940138672
SNP_P1_12907_35146431	NC_021160.1	Ca_kabuli_chr01	35146431	CC	AA	1940138673
SNP_P1_12908_35146433	NC_021160.1	Ca_kabuli_chr01	35146433	AA	GG	1940138674
SNP_P1_12909_35146447	NC_021160.1	Ca_kabuli_chr01	35146447	AA	GG	1940138675
SNP_P1_12910_35146488	NC_021160.1	Ca_kabuli_chr01	35146488	GG	AA	1940138676
SNP_P1_12911_35146499	NC_021160.1	Ca_kabuli_chr01	35146499	TT	CC	1940138677
SNP_P1_12912_35146673	NC_021160.1	Ca_kabuli_chr01	35146673	AA	GG	1940138678
SNP_P1_12913_35146695	NC_021160.1	Ca_kabuli_chr01	35146695	AA	CC	1940138679
SNP_P1_12914_35146697	NC_021160.1	Ca_kabuli_chr01	35146697	TT	AA	1940138680
SNP_P1_12915_35146720	NC_021160.1	Ca_kabuli_chr01	35146720	CC	TT	1940138681
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SNP_P1_12917_35146891	NC_021160.1	Ca_kabuli_chr01	35146891	AA	TT	1940138683
SNP_P1_12918_35147041	NC_021160.1	Ca_kabuli_chr01	35147041	CC	TT	1940138684
SNP_P1_12919_35147343	NC_021160.1	Ca_kabuli_chr01	35147343	GG	AA	1940138685
SNP_P1_12920_35147365	NC_021160.1	Ca_kabuli_chr01	35147365	AA	CC	1940138686
SNP_P1_12922_35147377	NC_021160.1	Ca_kabuli_chr01	35147377	TT	CC	1940138687
SNP_P1_12923_35147453	NC_021160.1	Ca_kabuli_chr01	35147453	AA	GG	1940138688
SNP_P1_12924_35147472	NC_021160.1	Ca_kabuli_chr01	35147472	TT	CC	1940138689
SNP_P1_12925_35147641	NC_021160.1	Ca_kabuli_chr01	35147641	AA	GG	1940138690
SNP_P1_12926_35147642	NC_021160.1	Ca_kabuli_chr01	35147642	AA	GG	1940138691
SNP_P1_12927_35147963	NC_021160.1	Ca_kabuli_chr01	35147963	CC	TT	1940138692
SNP_P1_12928_35148190	NC_021160.1	Ca_kabuli_chr01	35148190	AA	GG	1940138693
SNP_P1_12929_35148246	NC_021160.1	Ca_kabuli_chr01	35148246	CC	AA	1940138694
SNP_P1_12930_35148447	NC_021160.1	Ca_kabuli_chr01	35148447	TT	AA	1940138695
SNP_P1_12931_35148475	NC_021160.1	Ca_kabuli_chr01	35148475	AA	GG	1940138696
SNP_P1_12932_35149048	NC_021160.1	Ca_kabuli_chr01	35149048	GG	AA	1940138697
SNP_P1_12933_35149108	NC_021160.1	Ca_kabuli_chr01	35149108	TT	CC	1940138698
SNP_P1_12934_35149110	NC_021160.1	Ca_kabuli_chr01	35149110	CC	TT	1940138699
SNP_P1_12935_35149534	NC_021160.1	Ca_kabuli_chr01	35149534	GG	AA	1940138701
SNP_P1_12936_35149591	NC_021160.1	Ca_kabuli_chr01	35149591	TT	CC	1940138702
SNP_P1_12937_35149606	NC_021160.1	Ca_kabuli_chr01	35149606	TT	GG	1940138703
SNP_P1_12938_35149763	NC_021160.1	Ca_kabuli_chr01	35149763	AA	TT	1940138704

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12942_35150344	NC_021160.1	Ca_kabuli_chr01	35150344	AA	GG	1940138707
SNP_P1_12943_35150361	NC_021160.1	Ca_kabuli_chr01	35150361	CC	TT	1940138708
SNP_P1_12944_35150376	NC_021160.1	Ca_kabuli_chr01	35150376	CC	TT	1940138709
SNP_P1_12945_35150377	NC_021160.1	Ca_kabuli_chr01	35150377	AA	GG	1940138710
SNP_P1_12946_35150615	NC_021160.1	Ca_kabuli_chr01	35150615	AA	TT	1940138711
SNP_P1_12947_35150652	NC_021160.1	Ca_kabuli_chr01	35150652	TT	CC	1940138712
SNP_P1_12949_35150797	NC_021160.1	Ca_kabuli_chr01	35150797	GG	TT	1940138713
SNP_P1_12950_35150928	NC_021160.1	Ca_kabuli_chr01	35150928	GG	TT	1940138714
SNP_P1_12951_35150978	NC_021160.1	Ca_kabuli_chr01	35150978	GG	TT	1940138715
SNP_P1_12953_35151093	NC_021160.1	Ca_kabuli_chr01	35151093	GG	CC	1940138716
SNP_P1_12954_35151402	NC_021160.1	Ca_kabuli_chr01	35151402	TT	AA	1940138717
SNP_P1_12955_35151818	NC_021160.1	Ca_kabuli_chr01	35151818	AA	TT	1940138718
SNP_P1_12957_35152607	NC_021160.1	Ca_kabuli_chr01	35152607	GG	AA	1940138719
SNP_P1_12958_35152676	NC_021160.1	Ca_kabuli_chr01	35152676	TT	CC	1940138720
SNP_P1_12959_35152678	NC_021160.1	Ca_kabuli_chr01	35152678	GG	TT	1940138721
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SNP_P1_12961_35152692	NC_021160.1	Ca_kabuli_chr01	35152692	GG	AA	1940138723
SNP_P1_12962_35152714	NC_021160.1	Ca_kabuli_chr01	35152714	CC	AA	1940138724
SNP_P1_12963_35152895	NC_021160.1	Ca_kabuli_chr01	35152895	AA	TT	1940138725
SNP_P1_12964_35152911	NC_021160.1	Ca_kabuli_chr01	35152911	AA	GG	1940138726
SNP_P1_12965_35152941	NC_021160.1	Ca_kabuli_chr01	35152941	CC	TT	1940138727
SNP_P1_12966_35153042	NC_021160.1	Ca_kabuli_chr01	35153042	GG	AA	1940138728
SNP_P1_12967_35153096	NC_021160.1	Ca_kabuli_chr01	35153096	TT	AA	1940138730
SNP_P1_12968_35153303	NC_021160.1	Ca_kabuli_chr01	35153303	CC	AA	1940138731
SNP_P1_12969_35153306	NC_021160.1	Ca_kabuli_chr01	35153306	TT	CC	1940138732
SNP_P1_12970_35153332	NC_021160.1	Ca_kabuli_chr01	35153332	GG	CC	1940138733
SNP_P1_12971_35153405	NC_021160.1	Ca_kabuli_chr01	35153405	CC	AA	1940138734
SNP_P1_12973_35153471	NC_021160.1	Ca_kabuli_chr01	35153471	CC	TT	1940138735
SNP_P1_12974_35153913	NC_021160.1	Ca_kabuli_chr01	35153913	AA	GG	1940138736
SNP_P1_12975_35154202	NC_021160.1	Ca_kabuli_chr01	35154202	CC	GG	1940138737
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SNP_P1_12977_35154229	NC_021160.1	Ca_kabuli_chr01	35154229	GG	AA	1940138739
SNP_P1_12978_35154338	NC_021160.1	Ca_kabuli_chr01	35154338	GG	TT	1940138740
SNP_P1_12979_35154630	NC_021160.1	Ca_kabuli_chr01	35154630	GG	TT	1940138741
SNP_P1_12980_35154631	NC_021160.1	Ca_kabuli_chr01	35154631	TT	AA	1940138742
SNP_P1_12981_35154642	NC_021160.1	Ca_kabuli_chr01	35154642	TT	AA	1940138743
SNP_P1_12982_35155833	NC_021160.1	Ca_kabuli_chr01	35155833	TT	CC	1940138744
SNP_P1_12983_35157196	NC_021160.1	Ca_kabuli_chr01	35157196	AA	GG	1940138745
SNP_P1_12984_35157322	NC_021160.1	Ca_kabuli_chr01	35157322	CC	TT	1940138746
SNP_P1_12985_35157343	NC_021160.1	Ca_kabuli_chr01	35157343	CC	AA	1940138747

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_12988_35157887	NC_021160.1	Ca_kabuli_chr01	35157887	AA	GG	1940138750
SNP_P1_12989_35158508	NC_021160.1	Ca_kabuli_chr01	35158508	CC	TT	1940138751
SNP_P1_12990_35158720	NC_021160.1	Ca_kabuli_chr01	35158720	AA	TT	1940138752
SNP_P1_12991_35158769	NC_021160.1	Ca_kabuli_chr01	35158769	AA	GG	1940138753
SNP_P1_12992_35159777	NC_021160.1	Ca_kabuli_chr01	35159777	CC	TT	1940138754
SNP_P1_12993_35159787	NC_021160.1	Ca_kabuli_chr01	35159787	AA	GG	1940138755
SNP_P1_12994_35159965	NC_021160.1	Ca_kabuli_chr01	35159965	CC	TT	1940138756
SNP_P1_12995_35159976	NC_021160.1	Ca_kabuli_chr01	35159976	CC	GG	1940138757
SNP_P1_12996_35160216	NC_021160.1	Ca_kabuli_chr01	35160216	TT	CC	1940138758
SNP_P1_12997_35165890	NC_021160.1	Ca_kabuli_chr01	35165890	CC	TT	1940138759
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SNP_P1_13000_35167719	NC_021160.1	Ca_kabuli_chr01	35167719	CC	AA	1940138761
SNP_P1_13001_35167723	NC_021160.1	Ca_kabuli_chr01	35167723	GG	AA	1940138762
SNP_P1_13002_35167775	NC_021160.1	Ca_kabuli_chr01	35167775	GG	AA	1940138764
SNP_P1_13003_35167785	NC_021160.1	Ca_kabuli_chr01	35167785	GG	AA	1940138765
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SNP_P1_13007_35169626	NC_021160.1	Ca_kabuli_chr01	35169626	TT	CC	1940138768
SNP_P1_13008_35169639	NC_021160.1	Ca_kabuli_chr01	35169639	TT	AA	1940138769
SNP_P1_13010_35169865	NC_021160.1	Ca_kabuli_chr01	35169865	AA	GG	1940138770
SNP_P1_13011_35171451	NC_021160.1	Ca_kabuli_chr01	35171451	CC	TT	1940138771
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SNP_P1_13015_35176941	NC_021160.1	Ca_kabuli_chr01	35176941	TT	CC	1940138775
SNP_P1_13016_35177800	NC_021160.1	Ca_kabuli_chr01	35177800	TT	CC	1940138776
SNP_P1_13017_35177862	NC_021160.1	Ca_kabuli_chr01	35177862	GG	AA	1940138777
SNP_P1_13019_35178202	NC_021160.1	Ca_kabuli_chr01	35178202	AA	CC	1940138778
SNP_P1_13020_35178408	NC_021160.1	Ca_kabuli_chr01	35178408	AA	TT	1940138779
SNP_P1_13022_35178449	NC_021160.1	Ca_kabuli_chr01	35178449	CC	AA	1940138780
SNP_P1_13023_35178587	NC_021160.1	Ca_kabuli_chr01	35178587	AA	TT	1940138781
SNP_P1_13024_35178628	NC_021160.1	Ca_kabuli_chr01	35178628	AA	TT	1940138782
SNP_P1_13026_35179126	NC_021160.1	Ca_kabuli_chr01	35179126	CC	TT	1940138783
SNP_P1_13027_35179157	NC_021160.1	Ca_kabuli_chr01	35179157	GG	AA	1940138784
SNP_P1_13028_35180293	NC_021160.1	Ca_kabuli_chr01	35180293	AA	TT	1940138785
SNP_P1_13030_35181014	NC_021160.1	Ca_kabuli_chr01	35181014	TT	AA	1940138786
SNP_P1_13031_35181106	NC_021160.1	Ca_kabuli_chr01	35181106	GG	AA	1940138787
SNP_P1_13033_35181209	NC_021160.1	Ca_kabuli_chr01	35181209	GG	AA	1940138788
SNP_P1_13034_35181293	NC_021160.1	Ca_kabuli_chr01	35181293	TT	AA	1940138789
SNP_P1_13035_35181349	NC_021160.1	Ca_kabuli_chr01	35181349	CC	TT	1940138790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13038_35181651	NC_021160.1	Ca_kabuli_chr01	35181651	AA	CC	1940138793
SNP_P1_13039_35181697	NC_021160.1	Ca_kabuli_chr01	35181697	CC	TT	1940138794
SNP_P1_13040_35181751	NC_021160.1	Ca_kabuli_chr01	35181751	TT	AA	1940138795
SNP_P1_13041_35181784	NC_021160.1	Ca_kabuli_chr01	35181784	TT	CC	1940138796
SNP_P1_13042_35182150	NC_021160.1	Ca_kabuli_chr01	35182150	TT	CC	1940138797
SNP_P1_13045_35182504	NC_021160.1	Ca_kabuli_chr01	35182504	CC	TT	1940138798
SNP_P1_13046_35182526	NC_021160.1	Ca_kabuli_chr01	35182526	GG	AA	1940138799
SNP_P1_13047_35182687	NC_021160.1	Ca_kabuli_chr01	35182687	GG	AA	1940138800
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SNP_P1_13049_35184110	NC_021160.1	Ca_kabuli_chr01	35184110	AA	GG	1940138803
SNP_P1_13050_35184397	NC_021160.1	Ca_kabuli_chr01	35184397	CC	TT	1940138804
SNP_P1_13051_35184455	NC_021160.1	Ca_kabuli_chr01	35184455	CC	GG	1940138805
SNP_P1_13052_35184666	NC_021160.1	Ca_kabuli_chr01	35184666	CC	TT	1940138806
SNP_P1_13053_35184683	NC_021160.1	Ca_kabuli_chr01	35184683	CC	TT	1940138807
SNP_P1_13054_35184708	NC_021160.1	Ca_kabuli_chr01	35184708	TT	AA	1940138808
SNP_P1_13055_35184723	NC_021160.1	Ca_kabuli_chr01	35184723	GG	AA	1940138809
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SNP_P1_13061_35185844	NC_021160.1	Ca_kabuli_chr01	35185844	AA	GG	1940138815
SNP_P1_13062_35185876	NC_021160.1	Ca_kabuli_chr01	35185876	AA	GG	1940138816
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SNP_P1_13066_35215455	NC_021160.1	Ca_kabuli_chr01	35215455	GG	CC	1940138819
SNP_P1_13067_35215462	NC_021160.1	Ca_kabuli_chr01	35215462	TT	CC	1940138820
SNP_P1_13068_35215595	NC_021160.1	Ca_kabuli_chr01	35215595	AA	GG	1940138821
SNP_P1_13069_35215596	NC_021160.1	Ca_kabuli_chr01	35215596	GG	TT	1940138822
SNP_P1_13070_35215654	NC_021160.1	Ca_kabuli_chr01	35215654	CC	TT	1940138823
SNP_P1_13071_35215992	NC_021160.1	Ca_kabuli_chr01	35215992	TT	CC	1940138824
SNP_P1_13072_35216153	NC_021160.1	Ca_kabuli_chr01	35216153	GG	AA	1940138825
SNP_P1_13073_35216163	NC_021160.1	Ca_kabuli_chr01	35216163	GG	AA	1940138826
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SNP_P1_13076_35216260	NC_021160.1	Ca_kabuli_chr01	35216260	GG	TT	1940138830
SNP_P1_13077_35216288	NC_021160.1	Ca_kabuli_chr01	35216288	CC	AA	1940138831
SNP_P1_13078_35217139	NC_021160.1	Ca_kabuli_chr01	35217139	GG	TT	1940138832
SNP_P1_13079_35217170	NC_021160.1	Ca_kabuli_chr01	35217170	GG	AA	1940138833
SNP_P1_13080_35217442	NC_021160.1	Ca_kabuli_chr01	35217442	AA	CC	1940138834

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13083_35220462	NC_021160.1	Ca_kabuli_chr01	35220462	CC	TT	1940138837
SNP_P1_13084_35220798	NC_021160.1	Ca_kabuli_chr01	35220798	CC	TT	1940138838
SNP_P1_13085_35221107	NC_021160.1	Ca_kabuli_chr01	35221107	GG	TT	1940138839
SNP_P1_13086_35221466	NC_021160.1	Ca_kabuli_chr01	35221466	AA	TT	1940138840
SNP_P1_13087_35221482	NC_021160.1	Ca_kabuli_chr01	35221482	GG	CC	1940138841
SNP_P1_13088_35221486	NC_021160.1	Ca_kabuli_chr01	35221486	GG	AA	1940138842
SNP_P1_13089_35221512	NC_021160.1	Ca_kabuli_chr01	35221512	GG	AA	1940138843
SNP_P1_13090_35222154	NC_021160.1	Ca_kabuli_chr01	35222154	GG	TT	1940138844
SNP_P1_13091_35222170	NC_021160.1	Ca_kabuli_chr01	35222170	GG	AA	1940138845
SNP_P1_13092_35222502	NC_021160.1	Ca_kabuli_chr01	35222502	GG	AA	1940138846
SNP_P1_13093_35222771	NC_021160.1	Ca_kabuli_chr01	35222771	TT	AA	1940138847
SNP_P1_13094_35222796	NC_021160.1	Ca_kabuli_chr01	35222796	TT	CC	1940138848
SNP_P1_13095_35223122	NC_021160.1	Ca_kabuli_chr01	35223122	AA	GG	1940138849
SNP_P1_13096_35224093	NC_021160.1	Ca_kabuli_chr01	35224093	TT	CC	1940138850
SNP_P1_13097_35225162	NC_021160.1	Ca_kabuli_chr01	35225162	GG	AA	1940138851
SNP_P1_13098_35225171	NC_021160.1	Ca_kabuli_chr01	35225171	CC	AA	1940138852
SNP_P1_13099_35225225	NC_021160.1	Ca_kabuli_chr01	35225225	AA	GG	1940138853
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SNP_P1_13101_35225255	NC_021160.1	Ca_kabuli_chr01	35225255	CC	AA	1940138855
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SNP_P1_13103_35225543	NC_021160.1	Ca_kabuli_chr01	35225543	TT	CC	1940138858
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SNP_P1_13105_35226422	NC_021160.1	Ca_kabuli_chr01	35226422	CC	TT	1940138860
SNP_P1_13106_35226709	NC_021160.1	Ca_kabuli_chr01	35226709	GG	TT	1940138861
SNP_P1_13107_35226793	NC_021160.1	Ca_kabuli_chr01	35226793	AA	CC	1940138862
SNP_P1_13108_35227734	NC_021160.1	Ca_kabuli_chr01	35227734	TT	GG	1940138863
SNP_P1_13109_35227773	NC_021160.1	Ca_kabuli_chr01	35227773	TT	CC	1940138864
SNP_P1_13110_35228163	NC_021160.1	Ca_kabuli_chr01	35228163	CC	TT	1940138865
SNP_P1_13111_35229163	NC_021160.1	Ca_kabuli_chr01	35229163	AA	GG	1940138866
SNP_P1_13112_35229596	NC_021160.1	Ca_kabuli_chr01	35229596	AA	CC	1940138867
SNP_P1_13113_35229914	NC_021160.1	Ca_kabuli_chr01	35229914	CC	TT	1940138868
SNP_P1_13114_35230141	NC_021160.1	Ca_kabuli_chr01	35230141	AA	GG	1940138869
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SNP_P1_13117_35230253	NC_021160.1	Ca_kabuli_chr01	35230253	CC	TT	1940138872
SNP_P1_13118_35230504	NC_021160.1	Ca_kabuli_chr01	35230504	GG	TT	1940138873
SNP_P1_13119_35230801	NC_021160.1	Ca_kabuli_chr01	35230801	AA	GG	1940138874
SNP_P1_13120_35231091	NC_021160.1	Ca_kabuli_chr01	35231091	CC	TT	1940138875
SNP_P1_13121_35231256	NC_021160.1	Ca_kabuli_chr01	35231256	GG	CC	1940138876
SNP_P1_13122_35231546	NC_021160.1	Ca_kabuli_chr01	35231546	AA	CC	1940138877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13125_35231942	NC_021160.1	Ca_kabuli_chr01	35231942	AA	CC	1940138880
SNP_P1_13126_35232005	NC_021160.1	Ca_kabuli_chr01	35232005	TT	CC	1940138881
SNP_P1_13127_35232182	NC_021160.1	Ca_kabuli_chr01	35232182	CC	TT	1940138882
SNP_P1_13128_35234074	NC_021160.1	Ca_kabuli_chr01	35234074	GG	CC	1940138884
SNP_P1_13129_35234231	NC_021160.1	Ca_kabuli_chr01	35234231	TT	CC	1940138885
SNP_P1_13130_35234242	NC_021160.1	Ca_kabuli_chr01	35234242	AA	TT	1940138886
SNP_P1_13131_35234254	NC_021160.1	Ca_kabuli_chr01	35234254	AA	GG	1940138887
SNP_P1_13132_35234398	NC_021160.1	Ca_kabuli_chr01	35234398	TT	CC	1940138888
SNP_P1_13134_35234450	NC_021160.1	Ca_kabuli_chr01	35234450	TT	CC	1940138889
SNP_P1_13135_35235822	NC_021160.1	Ca_kabuli_chr01	35235822	GG	TT	1940138890
SNP_P1_13136_35235849	NC_021160.1	Ca_kabuli_chr01	35235849	TT	AA	1940138891
SNP_P1_13138_35236068	NC_021160.1	Ca_kabuli_chr01	35236068	GG	CC	1940138892
SNP_P1_13139_35236078	NC_021160.1	Ca_kabuli_chr01	35236078	AA	GG	1940138893
SNP_P1_13140_35236130	NC_021160.1	Ca_kabuli_chr01	35236130	TT	CC	1940138894
SNP_P1_13141_35236169	NC_021160.1	Ca_kabuli_chr01	35236169	GG	AA	1940138895
SNP_P1_13143_35236194	NC_021160.1	Ca_kabuli_chr01	35236194	AA	GG	1940138896
SNP_P1_13146_35236755	NC_021160.1	Ca_kabuli_chr01	35236755	TT	CC	1940138897
SNP_P1_13147_35236807	NC_021160.1	Ca_kabuli_chr01	35236807	CC	TT	1940138898
SNP_P1_13148_35236826	NC_021160.1	Ca_kabuli_chr01	35236826	AA	GG	1940138899
SNP_P1_13149_35236872	NC_021160.1	Ca_kabuli_chr01	35236872	TT	GG	1940138900
SNP_P1_13150_35236873	NC_021160.1	Ca_kabuli_chr01	35236873	GG	AA	1940138901
SNP_P1_13151_35236897	NC_021160.1	Ca_kabuli_chr01	35236897	AA	TT	1940138903
SNP_P1_13152_35237943	NC_021160.1	Ca_kabuli_chr01	35237943	CC	AA	1940138904
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SNP_P1_13157_35239062	NC_021160.1	Ca_kabuli_chr01	35239062	AA	GG	1940138908
SNP_P1_13158_35239117	NC_021160.1	Ca_kabuli_chr01	35239117	AA	CC	1940138909
SNP_P1_13159_35239303	NC_021160.1	Ca_kabuli_chr01	35239303	TT	CC	1940138910
SNP_P1_13160_35239360	NC_021160.1	Ca_kabuli_chr01	35239360	GG	CC	1940138911
SNP_P1_13161_35240077	NC_021160.1	Ca_kabuli_chr01	35240077	GG	AA	1940138912
SNP_P1_13162_35240104	NC_021160.1	Ca_kabuli_chr01	35240104	CC	AA	1940138913
SNP_P1_13163_35240142	NC_021160.1	Ca_kabuli_chr01	35240142	GG	AA	1940138914
SNP_P1_13164_35240162	NC_021160.1	Ca_kabuli_chr01	35240162	AA	GG	1940138915
SNP_P1_13165_35240163	NC_021160.1	Ca_kabuli_chr01	35240163	TT	CC	1940138916
SNP_P1_13167_35240424	NC_021160.1	Ca_kabuli_chr01	35240424	AA	TT	1940138917
SNP_P1_13168_35240455	NC_021160.1	Ca_kabuli_chr01	35240455	GG	TT	1940138918
SNP_P1_13169_35240470	NC_021160.1	Ca_kabuli_chr01	35240470	GG	AA	1940138919
SNP_P1_13170_35240543	NC_021160.1	Ca_kabuli_chr01	35240543	CC	TT	1940138920
SNP_P1_13171_35240562	NC_021160.1	Ca_kabuli_chr01	35240562	AA	CC	1940138921

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13174_35243540	NC_021160.1	Ca_kabuli_chr01	35243540	AA	GG	1940138925
SNP_P1_13175_35243678	NC_021160.1	Ca_kabuli_chr01	35243678	AA	TT	1940138926
SNP_P1_13176_35243773	NC_021160.1	Ca_kabuli_chr01	35243773	GG	TT	1940138927
SNP_P1_13177_35243804	NC_021160.1	Ca_kabuli_chr01	35243804	CC	AA	1940138928
SNP_P1_13179_35244497	NC_021160.1	Ca_kabuli_chr01	35244497	AA	GG	1940138929
SNP_P1_13180_35244968	NC_021160.1	Ca_kabuli_chr01	35244968	AA	CC	1940138930
SNP_P1_13182_35245094	NC_021160.1	Ca_kabuli_chr01	35245094	CC	TT	1940138931
SNP_P1_13183_35245299	NC_021160.1	Ca_kabuli_chr01	35245299	AA	CC	1940138932
SNP_P1_13184_35246818	NC_021160.1	Ca_kabuli_chr01	35246818	AA	CC	1940138933
SNP_P1_13185_35246846	NC_021160.1	Ca_kabuli_chr01	35246846	TT	CC	1940138934
SNP_P1_13186_35248054	NC_021160.1	Ca_kabuli_chr01	35248054	AA	GG	1940138935
SNP_P1_13187_35250161	NC_021160.1	Ca_kabuli_chr01	35250161	TT	CC	1940138936
SNP_P1_13188_35251712	NC_021160.1	Ca_kabuli_chr01	35251712	AA	GG	1940138937
SNP_P1_13189_35252157	NC_021160.1	Ca_kabuli_chr01	35252157	TT	CC	1940138938
SNP_P1_13190_35252424	NC_021160.1	Ca_kabuli_chr01	35252424	GG	AA	1940138939
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SNP_P1_13192_35254455	NC_021160.1	Ca_kabuli_chr01	35254455	AA	TT	1940138941
SNP_P1_13193_35254456	NC_021160.1	Ca_kabuli_chr01	35254456	CC	TT	1940138942
SNP_P1_13194_35256948	NC_021160.1	Ca_kabuli_chr01	35256948	AA	GG	1940138943
SNP_P1_13195_35257273	NC_021160.1	Ca_kabuli_chr01	35257273	AA	CC	1940138944
SNP_P1_13197_35257565	NC_021160.1	Ca_kabuli_chr01	35257565	TT	CC	1940138945
SNP_P1_13198_35257641	NC_021160.1	Ca_kabuli_chr01	35257641	AA	GG	1940138946
SNP_P1_13199_35258788	NC_021160.1	Ca_kabuli_chr01	35258788	AA	TT	1940138947
SNP_P1_13201_35259754	NC_021160.1	Ca_kabuli_chr01	35259754	AA	GG	1940138948
SNP_P1_13202_35259781	NC_021160.1	Ca_kabuli_chr01	35259781	AA	GG	1940138949
SNP_P1_13203_35260430	NC_021160.1	Ca_kabuli_chr01	35260430	CC	AA	1940138950
SNP_P1_13204_35260510	NC_021160.1	Ca_kabuli_chr01	35260510	AA	CC	1940138951
SNP_P1_13205_35260627	NC_021160.1	Ca_kabuli_chr01	35260627	TT	CC	1940138953
SNP_P1_13206_35260701	NC_021160.1	Ca_kabuli_chr01	35260701	CC	AA	1940138954
SNP_P1_13207_35260785	NC_021160.1	Ca_kabuli_chr01	35260785	CC	TT	1940138955
SNP_P1_13208_35260808	NC_021160.1	Ca_kabuli_chr01	35260808	GG	AA	1940138956
SNP_P1_13209_35260848	NC_021160.1	Ca_kabuli_chr01	35260848	AA	GG	1940138957
SNP_P1_13210_35260874	NC_021160.1	Ca_kabuli_chr01	35260874	CC	TT	1940138958
SNP_P1_13211_35260910	NC_021160.1	Ca_kabuli_chr01	35260910	TT	CC	1940138959
SNP_P1_13212_35260912	NC_021160.1	Ca_kabuli_chr01	35260912	GG	AA	1940138960
SNP_P1_13213_35260922	NC_021160.1	Ca_kabuli_chr01	35260922	TT	CC	1940138961
SNP_P1_13214_35260991	NC_021160.1	Ca_kabuli_chr01	35260991	CC	AA	1940138962
SNP_P1_13215_35261030	NC_021160.1	Ca_kabuli_chr01	35261030	TT	GG	1940138963
SNP_P1_13216_35261045	NC_021160.1	Ca_kabuli_chr01	35261045	GG	TT	1940138964
SNP_P1_13217_35261093	NC_021160.1	Ca_kabuli_chr01	35261093	CC	AA	1940138965

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13219_35261211	NC_021160.1	Ca_kabuli_chr01	35261211	GG	AA	1940138967
SNP_P1_13220_35261240	NC_021160.1	Ca_kabuli_chr01	35261240	CC	TT	1940138968
SNP_P1_13221_35261245	NC_021160.1	Ca_kabuli_chr01	35261245	AA	GG	1940138969
SNP_P1_13222_35261272	NC_021160.1	Ca_kabuli_chr01	35261272	GG	AA	1940138970
SNP_P1_13223_35261327	NC_021160.1	Ca_kabuli_chr01	35261327	AA	GG	1940138971
SNP_P1_13224_35261349	NC_021160.1	Ca_kabuli_chr01	35261349	AA	TT	1940138972
SNP_P1_13225_35261403	NC_021160.1	Ca_kabuli_chr01	35261403	TT	AA	1940138973
SNP_P1_13226_35261404	NC_021160.1	Ca_kabuli_chr01	35261404	TT	AA	1940138974
SNP_P1_13227_35261406	NC_021160.1	Ca_kabuli_chr01	35261406	TT	AA	1940138975
SNP_P1_13228_35261407	NC_021160.1	Ca_kabuli_chr01	35261407	CC	TT	1940138976
SNP_P1_13229_35261432	NC_021160.1	Ca_kabuli_chr01	35261432	CC	AA	1940138977
SNP_P1_13230_35261484	NC_021160.1	Ca_kabuli_chr01	35261484	AA	TT	1940138978
SNP_P1_13231_35261509	NC_021160.1	Ca_kabuli_chr01	35261509	TT	AA	1940138979
SNP_P1_13232_35261560	NC_021160.1	Ca_kabuli_chr01	35261560	TT	CC	1940138980
SNP_P1_13233_35261582	NC_021160.1	Ca_kabuli_chr01	35261582	CC	TT	1940138981
SNP_P1_13234_35261686	NC_021160.1	Ca_kabuli_chr01	35261686	GG	AA	1940138982
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SNP_P1_13240_35262006	NC_021160.1	Ca_kabuli_chr01	35262006	TT	AA	1940138988
SNP_P1_13241_35262110	NC_021160.1	Ca_kabuli_chr01	35262110	TT	CC	1940138989
SNP_P1_13242_35262152	NC_021160.1	Ca_kabuli_chr01	35262152	CC	TT	1940138990
SNP_P1_13243_35262632	NC_021160.1	Ca_kabuli_chr01	35262632	CC	TT	1940138991
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SNP_P1_13246_35264271	NC_021160.1	Ca_kabuli_chr01	35264271	TT	CC	1940138994
SNP_P1_13247_35264496	NC_021160.1	Ca_kabuli_chr01	35264496	GG	TT	1940138995
SNP_P1_13248_35264546	NC_021160.1	Ca_kabuli_chr01	35264546	GG	AA	1940138996
SNP_P1_13249_35264656	NC_021160.1	Ca_kabuli_chr01	35264656	AA	GG	1940138997
SNP_P1_13250_35264660	NC_021160.1	Ca_kabuli_chr01	35264660	CC	AA	1940138998
SNP_P1_13251_35264864	NC_021160.1	Ca_kabuli_chr01	35264864	CC	TT	1940138999
SNP_P1_13252_35264877	NC_021160.1	Ca_kabuli_chr01	35264877	AA	CC	1940139000
SNP_P1_13253_35264922	NC_021160.1	Ca_kabuli_chr01	35264922	AA	GG	1940139001
SNP_P1_13254_35264924	NC_021160.1	Ca_kabuli_chr01	35264924	TT	CC	1940139002
SNP_P1_13255_35264925	NC_021160.1	Ca_kabuli_chr01	35264925	CC	TT	1940139003
SNP_P1_13256_35264961	NC_021160.1	Ca_kabuli_chr01	35264961	CC	TT	1940139004
SNP_P1_13257_35264982	NC_021160.1	Ca_kabuli_chr01	35264982	GG	AA	1940139005
SNP_P1_13258_35265004	NC_021160.1	Ca_kabuli_chr01	35265004	GG	TT	1940139006
SNP_P1_13259_35265016	NC_021160.1	Ca_kabuli_chr01	35265016	AA	TT	1940139007
SNP_P1_13260_35265046	NC_021160.1	Ca_kabuli_chr01	35265046	TT	CC	1940139008

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13263_35265229	NC_021160.1	Ca_kabuli_chr01	35265229	CC	AA	1940139011
SNP_P1_13264_35265231	NC_021160.1	Ca_kabuli_chr01	35265231	CC	TT	1940139012
SNP_P1_13265_35265274	NC_021160.1	Ca_kabuli_chr01	35265274	CC	TT	1940139013
SNP_P1_13266_35265303	NC_021160.1	Ca_kabuli_chr01	35265303	CC	GG	1940139014
SNP_P1_13267_35265540	NC_021160.1	Ca_kabuli_chr01	35265540	AA	CC	1940139015
SNP_P1_13268_35265545	NC_021160.1	Ca_kabuli_chr01	35265545	CC	TT	1940139016
SNP_P1_13269_35265646	NC_021160.1	Ca_kabuli_chr01	35265646	CC	GG	1940139017
SNP_P1_13270_35265724	NC_021160.1	Ca_kabuli_chr01	35265724	GG	AA	1940139018
SNP_P1_13271_35265780	NC_021160.1	Ca_kabuli_chr01	35265780	AA	GG	1940139019
SNP_P1_13272_35265815	NC_021160.1	Ca_kabuli_chr01	35265815	TT	CC	1940139020
SNP_P1_13273_35265852	NC_021160.1	Ca_kabuli_chr01	35265852	TT	GG	1940139021
SNP_P1_13274_35265887	NC_021160.1	Ca_kabuli_chr01	35265887	AA	TT	1940139022
SNP_P1_13275_35265916	NC_021160.1	Ca_kabuli_chr01	35265916	TT	CC	1940139023
SNP_P1_13276_35265965	NC_021160.1	Ca_kabuli_chr01	35265965	AA	TT	1940139025
SNP_P1_13277_35266005	NC_021160.1	Ca_kabuli_chr01	35266005	CC	GG	1940139026
SNP_P1_13278_35266006	NC_021160.1	Ca_kabuli_chr01	35266006	AA	GG	1940139027
SNP_P1_13279_35266060	NC_021160.1	Ca_kabuli_chr01	35266060	AA	TT	1940139028
SNP_P1_13280_35266088	NC_021160.1	Ca_kabuli_chr01	35266088	CC	TT	1940139029
SNP_P1_13281_35266213	NC_021160.1	Ca_kabuli_chr01	35266213	GG	CC	1940139030
SNP_P1_13283_35266253	NC_021160.1	Ca_kabuli_chr01	35266253	AA	GG	1940139031
SNP_P1_13284_35266267	NC_021160.1	Ca_kabuli_chr01	35266267	CC	AA	1940139032
SNP_P1_13285_35266330	NC_021160.1	Ca_kabuli_chr01	35266330	GG	AA	1940139033
SNP_P1_13286_35266345	NC_021160.1	Ca_kabuli_chr01	35266345	TT	GG	1940139034
SNP_P1_13287_35272700	NC_021160.1	Ca_kabuli_chr01	35272700	AA	GG	1940139035
SNP_P1_13288_35281147	NC_021160.1	Ca_kabuli_chr01	35281147	GG	CC	1940139036
SNP_P1_13289_35281262	NC_021160.1	Ca_kabuli_chr01	35281262	CC	TT	1940139037
SNP_P1_13290_35281288	NC_021160.1	Ca_kabuli_chr01	35281288	CC	TT	1940139038
SNP_P1_13291_35281425	NC_021160.1	Ca_kabuli_chr01	35281425	AA	TT	1940139039
SNP_P1_13292_35281431	NC_021160.1	Ca_kabuli_chr01	35281431	TT	AA	1940139040
SNP_P1_13293_35281461	NC_021160.1	Ca_kabuli_chr01	35281461	AA	GG	1940139041
SNP_P1_13295_35281532	NC_021160.1	Ca_kabuli_chr01	35281532	AA	CC	1940139042
SNP_P1_13297_35281605	NC_021160.1	Ca_kabuli_chr01	35281605	AA	GG	1940139043
SNP_P1_13298_35281664	NC_021160.1	Ca_kabuli_chr01	35281664	AA	TT	1940139044
SNP_P1_13299_35281713	NC_021160.1	Ca_kabuli_chr01	35281713	GG	CC	1940139045
SNP_P1_13300_35281719	NC_021160.1	Ca_kabuli_chr01	35281719	CC	TT	1940139046
SNP_P1_13301_35281766	NC_021160.1	Ca_kabuli_chr01	35281766	GG	AA	1940139047
SNP_P1_13302_35281770	NC_021160.1	Ca_kabuli_chr01	35281770	CC	TT	1940139048
SNP_P1_13303_35281863	NC_021160.1	Ca_kabuli_chr01	35281863	CC	AA	1940139049
SNP_P1_13304_35281869	NC_021160.1	Ca_kabuli_chr01	35281869	AA	GG	1940139050
SNP_P1_13305_35281873	NC_021160.1	Ca_kabuli_chr01	35281873	AA	TT	1940139051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13308_35281965	NC_021160.1	Ca_kabuli_chr01	35281965	AA	CC	1940139053
SNP_P1_13309_35282014	NC_021160.1	Ca_kabuli_chr01	35282014	AA	GG	1940139054
SNP_P1_13310_35282203	NC_021160.1	Ca_kabuli_chr01	35282203	GG	AA	1940139055
SNP_P1_13311_35282302	NC_021160.1	Ca_kabuli_chr01	35282302	TT	CC	1940139056
SNP_P1_13312_35282348	NC_021160.1	Ca_kabuli_chr01	35282348	CC	TT	1940139057
SNP_P1_13313_35282374	NC_021160.1	Ca_kabuli_chr01	35282374	TT	CC	1940139058
SNP_P1_13314_35282421	NC_021160.1	Ca_kabuli_chr01	35282421	GG	TT	1940139059
SNP_P1_13315_35282426	NC_021160.1	Ca_kabuli_chr01	35282426	GG	AA	1940139060
SNP_P1_13316_35282481	NC_021160.1	Ca_kabuli_chr01	35282481	TT	CC	1940139061
SNP_P1_13317_35282547	NC_021160.1	Ca_kabuli_chr01	35282547	AA	GG	1940139062
SNP_P1_13318_35282593	NC_021160.1	Ca_kabuli_chr01	35282593	CC	TT	1940139063
SNP_P1_13319_35282714	NC_021160.1	Ca_kabuli_chr01	35282714	CC	TT	1940139064
SNP_P1_13320_35282825	NC_021160.1	Ca_kabuli_chr01	35282825	TT	CC	1940139065
SNP_P1_13321_35282961	NC_021160.1	Ca_kabuli_chr01	35282961	AA	GG	1940139066
SNP_P1_13322_35282980	NC_021160.1	Ca_kabuli_chr01	35282980	TT	AA	1940139067
SNP_P1_13323_35282987	NC_021160.1	Ca_kabuli_chr01	35282987	TT	CC	1940139068
SNP_P1_13324_35283011	NC_021160.1	Ca_kabuli_chr01	35283011	TT	CC	1940139069
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SNP_P1_13326_35283061	NC_021160.1	Ca_kabuli_chr01	35283061	AA	TT	1940139071
SNP_P1_13328_35283338	NC_021160.1	Ca_kabuli_chr01	35283338	GG	TT	1940139072
SNP_P1_13329_35283409	NC_021160.1	Ca_kabuli_chr01	35283409	AA	GG	1940139073
SNP_P1_13330_35283430	NC_021160.1	Ca_kabuli_chr01	35283430	CC	GG	1940139074
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SNP_P1_13332_35283676	NC_021160.1	Ca_kabuli_chr01	35283676	AA	TT	1940139076
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SNP_P1_13337_35283879	NC_021160.1	Ca_kabuli_chr01	35283879	TT	GG	1940139081
SNP_P1_13339_35284024	NC_021160.1	Ca_kabuli_chr01	35284024	CC	TT	1940139082
SNP_P1_13340_35284065	NC_021160.1	Ca_kabuli_chr01	35284065	CC	TT	1940139083
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SNP_P1_13347_35284364	NC_021160.1	Ca_kabuli_chr01	35284364	TT	AA	1940139089
SNP_P1_13348_35284377	NC_021160.1	Ca_kabuli_chr01	35284377	TT	AA	1940139090
SNP_P1_13349_35284393	NC_021160.1	Ca_kabuli_chr01	35284393	GG	TT	1940139091
SNP_P1_13350_35284469	NC_021160.1	Ca_kabuli_chr01	35284469	GG	TT	1940139092
SNP_P1_13351_35284485	NC_021160.1	Ca_kabuli_chr01	35284485	GG	AA	1940139093
SNP_P1_13352_35284553	NC_021160.1	Ca_kabuli_chr01	35284553	GG	AA	1940139094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13355_35284680	NC_021160.1	Ca_kabuli_chr01	35284680	AA	GG	1940139097
SNP_P1_13356_35284816	NC_021160.1	Ca_kabuli_chr01	35284816	TT	CC	1940139098
SNP_P1_13358_35284918	NC_021160.1	Ca_kabuli_chr01	35284918	GG	TT	1940139099
SNP_P1_13359_35284938	NC_021160.1	Ca_kabuli_chr01	35284938	CC	TT	1940139100
SNP_P1_13360_35284959	NC_021160.1	Ca_kabuli_chr01	35284959	CC	TT	1940139101
SNP_P1_13361_35284987	NC_021160.1	Ca_kabuli_chr01	35284987	TT	GG	1940139102
SNP_P1_13362_35285040	NC_021160.1	Ca_kabuli_chr01	35285040	AA	CC	1940139103
SNP_P1_13363_35285217	NC_021160.1	Ca_kabuli_chr01	35285217	TT	CC	1940139104
SNP_P1_13364_35285402	NC_021160.1	Ca_kabuli_chr01	35285402	TT	CC	1940139105
SNP_P1_13365_35285431	NC_021160.1	Ca_kabuli_chr01	35285431	AA	GG	1940139106
SNP_P1_13366_35285435	NC_021160.1	Ca_kabuli_chr01	35285435	TT	CC	1940139107
SNP_P1_13367_35285444	NC_021160.1	Ca_kabuli_chr01	35285444	AA	TT	1940139108
SNP_P1_13368_35285491	NC_021160.1	Ca_kabuli_chr01	35285491	TT	CC	1940139109
SNP_P1_13369_35285510	NC_021160.1	Ca_kabuli_chr01	35285510	AA	GG	1940139110
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SNP_P1_13374_35285735	NC_021160.1	Ca_kabuli_chr01	35285735	CC	TT	1940139116
SNP_P1_13375_35285739	NC_021160.1	Ca_kabuli_chr01	35285739	AA	TT	1940139117
SNP_P1_13376_35285793	NC_021160.1	Ca_kabuli_chr01	35285793	TT	CC	1940139118
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SNP_P1_13380_35285940	NC_021160.1	Ca_kabuli_chr01	35285940	TT	CC	1940139122
SNP_P1_13381_35285973	NC_021160.1	Ca_kabuli_chr01	35285973	CC	TT	1940139123
SNP_P1_13382_35286031	NC_021160.1	Ca_kabuli_chr01	35286031	AA	GG	1940139124
SNP_P1_13383_35286035	NC_021160.1	Ca_kabuli_chr01	35286035	AA	GG	1940139125
SNP_P1_13384_35286795	NC_021160.1	Ca_kabuli_chr01	35286795	AA	TT	1940139126
SNP_P1_13385_35287477	NC_021160.1	Ca_kabuli_chr01	35287477	GG	AA	1940139127
SNP_P1_13386_35287728	NC_021160.1	Ca_kabuli_chr01	35287728	AA	CC	1940139128
SNP_P1_13387_35287764	NC_021160.1	Ca_kabuli_chr01	35287764	CC	AA	1940139129
SNP_P1_13388_35287805	NC_021160.1	Ca_kabuli_chr01	35287805	GG	AA	1940139130
SNP_P1_13389_35287835	NC_021160.1	Ca_kabuli_chr01	35287835	GG	AA	1940139131
SNP_P1_13390_35287912	NC_021160.1	Ca_kabuli_chr01	35287912	CC	TT	1940139132
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SNP_P1_13392_35288018	NC_021160.1	Ca_kabuli_chr01	35288018	GG	AA	1940139134
SNP_P1_13393_35288090	NC_021160.1	Ca_kabuli_chr01	35288090	TT	GG	1940139135
SNP_P1_13394_35288421	NC_021160.1	Ca_kabuli_chr01	35288421	CC	AA	1940139136
SNP_P1_13395_35288438	NC_021160.1	Ca_kabuli_chr01	35288438	AA	GG	1940139137

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13397_35289148	NC_021160.1	Ca_kabuli_chr01	35289148	TT	CC	1940139139
SNP_P1_13398_35289470	NC_021160.1	Ca_kabuli_chr01	35289470	TT	CC	1940139140
SNP_P1_13399_35289761	NC_021160.1	Ca_kabuli_chr01	35289761	CC	TT	1940139141
SNP_P1_13400_35290019	NC_021160.1	Ca_kabuli_chr01	35290019	TT	CC	1940139142
SNP_P1_13401_35290196	NC_021160.1	Ca_kabuli_chr01	35290196	CC	TT	1940139143
SNP_P1_13402_35290204	NC_021160.1	Ca_kabuli_chr01	35290204	GG	TT	1940139144
SNP_P1_13403_35290299	NC_021160.1	Ca_kabuli_chr01	35290299	TT	GG	1940139145
SNP_P1_13404_35290342	NC_021160.1	Ca_kabuli_chr01	35290342	AA	GG	1940139146
SNP_P1_13405_35290637	NC_021160.1	Ca_kabuli_chr01	35290637	CC	TT	1940139148
SNP_P1_13406_35290673	NC_021160.1	Ca_kabuli_chr01	35290673	AA	TT	1940139149
SNP_P1_13407_35290788	NC_021160.1	Ca_kabuli_chr01	35290788	CC	TT	1940139150
SNP_P1_13408_35290874	NC_021160.1	Ca_kabuli_chr01	35290874	TT	CC	1940139151
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SNP_P1_13424_35293027	NC_021160.1	Ca_kabuli_chr01	35293027	AA	GG	1940139167
SNP_P1_13425_35293034	NC_021160.1	Ca_kabuli_chr01	35293034	GG	CC	1940139168
SNP_P1_13426_35293041	NC_021160.1	Ca_kabuli_chr01	35293041	AA	CC	1940139169
SNP_P1_13427_35293072	NC_021160.1	Ca_kabuli_chr01	35293072	GG	TT	1940139170
SNP_P1_13428_35293141	NC_021160.1	Ca_kabuli_chr01	35293141	GG	AA	1940139171
SNP_P1_13429_35293336	NC_021160.1	Ca_kabuli_chr01	35293336	TT	CC	1940139172
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SNP_P1_13435_35295556	NC_021160.1	Ca_kabuli_chr01	35295556	TT	CC	1940139177
SNP_P1_13436_35295662	NC_021160.1	Ca_kabuli_chr01	35295662	CC	GG	1940139178
SNP_P1_13437_35295833	NC_021160.1	Ca_kabuli_chr01	35295833	AA	GG	1940139179
SNP_P1_13438_35296279	NC_021160.1	Ca_kabuli_chr01	35296279	TT	CC	1940139180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13441_35296415	NC_021160.1	Ca_kabuli_chr01	35296415	TT	CC	1940139183
SNP_P1_13442_35296527	NC_021160.1	Ca_kabuli_chr01	35296527	CC	TT	1940139185
SNP_P1_13443_35296549	NC_021160.1	Ca_kabuli_chr01	35296549	CC	TT	1940139186
SNP_P1_13444_35296683	NC_021160.1	Ca_kabuli_chr01	35296683	TT	CC	1940139187
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SNP_P1_13447_35296906	NC_021160.1	Ca_kabuli_chr01	35296906	TT	CC	1940139189
SNP_P1_13449_35301486	NC_021160.1	Ca_kabuli_chr01	35301486	GG	AA	1940139190
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SNP_P1_13455_35303821	NC_021160.1	Ca_kabuli_chr01	35303821	GG	AA	1940139196
SNP_P1_13457_35304490	NC_021160.1	Ca_kabuli_chr01	35304490	CC	TT	1940139197
SNP_P1_13458_35304624	NC_021160.1	Ca_kabuli_chr01	35304624	AA	CC	1940139198
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SNP_P1_13464_35305150	NC_021160.1	Ca_kabuli_chr01	35305150	AA	GG	1940139204
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SNP_P1_13466_35305360	NC_021160.1	Ca_kabuli_chr01	35305360	AA	GG	1940139206
SNP_P1_13467_35305391	NC_021160.1	Ca_kabuli_chr01	35305391	AA	GG	1940139207
SNP_P1_13468_35305421	NC_021160.1	Ca_kabuli_chr01	35305421	AA	TT	1940139208
SNP_P1_13469_35309249	NC_021160.1	Ca_kabuli_chr01	35309249	GG	AA	1940139209
SNP_P1_13470_35309254	NC_021160.1	Ca_kabuli_chr01	35309254	CC	TT	1940139210
SNP_P1_13471_35309262	NC_021160.1	Ca_kabuli_chr01	35309262	TT	GG	1940139211
SNP_P1_13472_35309648	NC_021160.1	Ca_kabuli_chr01	35309648	CC	AA	1940139212
SNP_P1_13473_35310262	NC_021160.1	Ca_kabuli_chr01	35310262	GG	AA	1940139213
SNP_P1_13475_35310329	NC_021160.1	Ca_kabuli_chr01	35310329	TT	GG	1940139214
SNP_P1_13476_35310363	NC_021160.1	Ca_kabuli_chr01	35310363	AA	TT	1940139215
SNP_P1_13477_35310388	NC_021160.1	Ca_kabuli_chr01	35310388	AA	TT	1940139216
SNP_P1_13478_35310540	NC_021160.1	Ca_kabuli_chr01	35310540	TT	CC	1940139217
SNP_P1_13479_35310549	NC_021160.1	Ca_kabuli_chr01	35310549	CC	GG	1940139218
SNP_P1_13480_35310583	NC_021160.1	Ca_kabuli_chr01	35310583	TT	GG	1940139219
SNP_P1_13481_35310603	NC_021160.1	Ca_kabuli_chr01	35310603	AA	GG	1940139220
SNP_P1_13482_35310607	NC_021160.1	Ca_kabuli_chr01	35310607	TT	CC	1940139221
SNP_P1_13483_35310692	NC_021160.1	Ca_kabuli_chr01	35310692	TT	AA	1940139222
SNP_P1_13484_35310767	NC_021160.1	Ca_kabuli_chr01	35310767	AA	TT	1940139223

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13486_35310825	NC_021160.1	Ca_kabuli_chr01	35310825	GG	AA	1940139225
SNP_P1_13487_35310850	NC_021160.1	Ca_kabuli_chr01	35310850	TT	GG	1940139226
SNP_P1_13488_35310853	NC_021160.1	Ca_kabuli_chr01	35310853	AA	TT	1940139227
SNP_P1_13489_35310879	NC_021160.1	Ca_kabuli_chr01	35310879	AA	TT	1940139228
SNP_P1_13490_35310887	NC_021160.1	Ca_kabuli_chr01	35310887	AA	GG	1940139229
SNP_P1_13491_35310944	NC_021160.1	Ca_kabuli_chr01	35310944	TT	GG	1940139230
SNP_P1_13492_35310948	NC_021160.1	Ca_kabuli_chr01	35310948	AA	GG	1940139231
SNP_P1_13493_35310991	NC_021160.1	Ca_kabuli_chr01	35310991	AA	GG	1940139232
SNP_P1_13494_35311016	NC_021160.1	Ca_kabuli_chr01	35311016	CC	GG	1940139233
SNP_P1_13495_35311017	NC_021160.1	Ca_kabuli_chr01	35311017	TT	CC	1940139235
SNP_P1_13496_35311039	NC_021160.1	Ca_kabuli_chr01	35311039	CC	TT	1940139236
SNP_P1_13497_35311057	NC_021160.1	Ca_kabuli_chr01	35311057	CC	GG	1940139237
SNP_P1_13498_35311085	NC_021160.1	Ca_kabuli_chr01	35311085	TT	CC	1940139238
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SNP_P1_13500_35311114	NC_021160.1	Ca_kabuli_chr01	35311114	AA	CC	1940139240
SNP_P1_13501_35311127	NC_021160.1	Ca_kabuli_chr01	35311127	CC	TT	1940139241
SNP_P1_13502_35311134	NC_021160.1	Ca_kabuli_chr01	35311134	GG	AA	1940139242
SNP_P1_13503_35311154	NC_021160.1	Ca_kabuli_chr01	35311154	GG	AA	1940139243
SNP_P1_13504_35311265	NC_021160.1	Ca_kabuli_chr01	35311265	CC	AA	1940139244
SNP_P1_13505_35311271	NC_021160.1	Ca_kabuli_chr01	35311271	CC	TT	1940139245
SNP_P1_13506_35311277	NC_021160.1	Ca_kabuli_chr01	35311277	CC	TT	1940139246
SNP_P1_13507_35311307	NC_021160.1	Ca_kabuli_chr01	35311307	GG	AA	1940139247
SNP_P1_13508_35311334	NC_021160.1	Ca_kabuli_chr01	35311334	GG	AA	1940139248
SNP_P1_13509_35311476	NC_021160.1	Ca_kabuli_chr01	35311476	AA	GG	1940139249
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SNP_P1_13512_35311672	NC_021160.1	Ca_kabuli_chr01	35311672	GG	TT	1940139252
SNP_P1_13513_35311681	NC_021160.1	Ca_kabuli_chr01	35311681	GG	AA	1940139253
SNP_P1_13514_35311711	NC_021160.1	Ca_kabuli_chr01	35311711	TT	GG	1940139254
SNP_P1_13515_35311712	NC_021160.1	Ca_kabuli_chr01	35311712	GG	AA	1940139255
SNP_P1_13516_35311715	NC_021160.1	Ca_kabuli_chr01	35311715	CC	TT	1940139256
SNP_P1_13517_35311758	NC_021160.1	Ca_kabuli_chr01	35311758	TT	CC	1940139257
SNP_P1_13518_35311798	NC_021160.1	Ca_kabuli_chr01	35311798	AA	TT	1940139258
SNP_P1_13519_35311848	NC_021160.1	Ca_kabuli_chr01	35311848	CC	GG	1940139259
SNP_P1_13520_35311898	NC_021160.1	Ca_kabuli_chr01	35311898	GG	AA	1940139260
SNP_P1_13521_35311985	NC_021160.1	Ca_kabuli_chr01	35311985	GG	AA	1940139261
SNP_P1_13522_35312012	NC_021160.1	Ca_kabuli_chr01	35312012	TT	CC	1940139262
SNP_P1_13523_35312048	NC_021160.1	Ca_kabuli_chr01	35312048	AA	GG	1940139263
SNP_P1_13524_35312055	NC_021160.1	Ca_kabuli_chr01	35312055	GG	TT	1940139264
SNP_P1_13525_35312070	NC_021160.1	Ca_kabuli_chr01	35312070	CC	TT	1940139265
SNP_P1_13527_35312760	NC_021160.1	Ca_kabuli_chr01	35312760	AA	GG	1940139267

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13529_35315413	NC_021160.1	Ca_kabuli_chr01	35315413	TT	CC	1940139269
SNP_P1_13530_35315531	NC_021160.1	Ca_kabuli_chr01	35315531	CC	GG	1940139270
SNP_P1_13531_35315559	NC_021160.1	Ca_kabuli_chr01	35315559	AA	GG	1940139271
SNP_P1_13533_35315980	NC_021160.1	Ca_kabuli_chr01	35315980	CC	TT	1940139272
SNP_P1_13534_35316041	NC_021160.1	Ca_kabuli_chr01	35316041	TT	CC	1940139273
SNP_P1_13535_35316055	NC_021160.1	Ca_kabuli_chr01	35316055	CC	TT	1940139274
SNP_P1_13536_35316387	NC_021160.1	Ca_kabuli_chr01	35316387	GG	AA	1940139275
SNP_P1_13537_35316427	NC_021160.1	Ca_kabuli_chr01	35316427	CC	TT	1940139276
SNP_P1_13538_35316699	NC_021160.1	Ca_kabuli_chr01	35316699	GG	TT	1940139277
SNP_P1_13539_35316773	NC_021160.1	Ca_kabuli_chr01	35316773	AA	GG	1940139278
SNP_P1_13540_35316802	NC_021160.1	Ca_kabuli_chr01	35316802	GG	AA	1940139279
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SNP_P1_13543_35316903	NC_021160.1	Ca_kabuli_chr01	35316903	TT	CC	1940139282
SNP_P1_13544_35316931	NC_021160.1	Ca_kabuli_chr01	35316931	AA	CC	1940139283
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SNP_P1_13546_35317034	NC_021160.1	Ca_kabuli_chr01	35317034	CC	TT	1940139285
SNP_P1_13547_35317036	NC_021160.1	Ca_kabuli_chr01	35317036	AA	GG	1940139286
SNP_P1_13548_35317039	NC_021160.1	Ca_kabuli_chr01	35317039	CC	TT	1940139287
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SNP_P1_13550_35317066	NC_021160.1	Ca_kabuli_chr01	35317066	TT	CC	1940139289
SNP_P1_13551_35317067	NC_021160.1	Ca_kabuli_chr01	35317067	AA	TT	1940139290
SNP_P1_13552_35317095	NC_021160.1	Ca_kabuli_chr01	35317095	AA	TT	1940139291
SNP_P1_13553_35317134	NC_021160.1	Ca_kabuli_chr01	35317134	TT	CC	1940139292
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SNP_P1_13555_35317250	NC_021160.1	Ca_kabuli_chr01	35317250	CC	GG	1940139294
SNP_P1_13556_35317258	NC_021160.1	Ca_kabuli_chr01	35317258	AA	GG	1940139296
SNP_P1_13557_35317277	NC_021160.1	Ca_kabuli_chr01	35317277	GG	AA	1940139297
SNP_P1_13558_35317288	NC_021160.1	Ca_kabuli_chr01	35317288	CC	TT	1940139298
SNP_P1_13560_35317420	NC_021160.1	Ca_kabuli_chr01	35317420	GG	AA	1940139299
SNP_P1_13561_35317424	NC_021160.1	Ca_kabuli_chr01	35317424	TT	CC	1940139300
SNP_P1_13562_35317624	NC_021160.1	Ca_kabuli_chr01	35317624	GG	TT	1940139301
SNP_P1_13563_35317711	NC_021160.1	Ca_kabuli_chr01	35317711	AA	GG	1940139302
SNP_P1_13564_35317809	NC_021160.1	Ca_kabuli_chr01	35317809	GG	AA	1940139303
SNP_P1_13565_35317870	NC_021160.1	Ca_kabuli_chr01	35317870	TT	CC	1940139304
SNP_P1_13566_35317890	NC_021160.1	Ca_kabuli_chr01	35317890	CC	GG	1940139305
SNP_P1_13567_35318258	NC_021160.1	Ca_kabuli_chr01	35318258	GG	AA	1940139306
SNP_P1_13568_35318261	NC_021160.1	Ca_kabuli_chr01	35318261	AA	GG	1940139307
SNP_P1_13569_35318943	NC_021160.1	Ca_kabuli_chr01	35318943	AA	TT	1940139308
SNP_P1_13570_35319223	NC_021160.1	Ca_kabuli_chr01	35319223	AA	TT	1940139309
SNP_P1_13571_35320681	NC_021160.1	Ca_kabuli_chr01	35320681	AA	CC	1940139310

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13575_35321178	NC_021160.1	Ca_kabuli_chr01	35321178	TT	GG	1940139313
SNP_P1_13576_35321418	NC_021160.1	Ca_kabuli_chr01	35321418	AA	TT	1940139314
SNP_P1_13577_35323988	NC_021160.1	Ca_kabuli_chr01	35323988	GG	CC	1940139315
SNP_P1_13578_35324015	NC_021160.1	Ca_kabuli_chr01	35324015	TT	CC	1940139316
SNP_P1_13579_35324638	NC_021160.1	Ca_kabuli_chr01	35324638	GG	AA	1940139317
SNP_P1_13580_35324639	NC_021160.1	Ca_kabuli_chr01	35324639	TT	AA	1940139318
SNP_P1_13581_35325502	NC_021160.1	Ca_kabuli_chr01	35325502	AA	GG	1940139319
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SNP_P1_13583_35327524	NC_021160.1	Ca_kabuli_chr01	35327524	CC	AA	1940139321
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SNP_P1_13586_35330760	NC_021160.1	Ca_kabuli_chr01	35330760	GG	CC	1940139324
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SNP_P1_13588_35332439	NC_021160.1	Ca_kabuli_chr01	35332439	TT	CC	1940139326
SNP_P1_13589_35332653	NC_021160.1	Ca_kabuli_chr01	35332653	TT	CC	1940139327
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SNP_P1_13605_35336677	NC_021160.1	Ca_kabuli_chr01	35336677	CC	TT	1940139342
SNP_P1_13606_35337032	NC_021160.1	Ca_kabuli_chr01	35337032	GG	TT	1940139343
SNP_P1_13607_35337042	NC_021160.1	Ca_kabuli_chr01	35337042	AA	GG	1940139344
SNP_P1_13608_35337730	NC_021160.1	Ca_kabuli_chr01	35337730	GG	AA	1940139345
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SNP_P1_13611_35338429	NC_021160.1	Ca_kabuli_chr01	35338429	CC	AA	1940139348
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SNP_P1_13614_35339318	NC_021160.1	Ca_kabuli_chr01	35339318	GG	AA	1940139351
SNP_P1_13615_35339386	NC_021160.1	Ca_kabuli_chr01	35339386	AA	CC	1940139352
SNP_P1_13616_35339451	NC_021160.1	Ca_kabuli_chr01	35339451	TT	CC	1940139353

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13620_35341868	NC_021160.1	Ca_kabuli_chr01	35341868	AA	GG	1940139356
SNP_P1_13621_35343102	NC_021160.1	Ca_kabuli_chr01	35343102	AA	GG	1940139357
SNP_P1_13623_35346285	NC_021160.1	Ca_kabuli_chr01	35346285	TT	AA	1940139358
SNP_P1_13624_35347634	NC_021160.1	Ca_kabuli_chr01	35347634	CC	TT	1940139359
SNP_P1_13625_35348396	NC_021160.1	Ca_kabuli_chr01	35348396	CC	TT	1940139360
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SNP_P1_13630_35352352	NC_021160.1	Ca_kabuli_chr01	35352352	TT	CC	1940139364
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SNP_P1_13636_35354832	NC_021160.1	Ca_kabuli_chr01	35354832	TT	CC	1940139370
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SNP_P1_13642_35356324	NC_021160.1	Ca_kabuli_chr01	35356324	CC	GG	1940139376
SNP_P1_13643_35358462	NC_021160.1	Ca_kabuli_chr01	35358462	GG	TT	1940139377
SNP_P1_13644_35358728	NC_021160.1	Ca_kabuli_chr01	35358728	GG	TT	1940139378
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SNP_P1_13651_35363371	NC_021160.1	Ca_kabuli_chr01	35363371	CC	TT	1940139385
SNP_P1_13652_35363533	NC_021160.1	Ca_kabuli_chr01	35363533	TT	GG	1940139386
SNP_P1_13653_35367110	NC_021160.1	Ca_kabuli_chr01	35367110	TT	CC	1940139387
SNP_P1_13654_35367631	NC_021160.1	Ca_kabuli_chr01	35367631	TT	CC	1940139388
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SNP_P1_13656_35367975	NC_021160.1	Ca_kabuli_chr01	35367975	AA	GG	1940139391
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SNP_P1_13659_35368427	NC_021160.1	Ca_kabuli_chr01	35368427	CC	TT	1940139394
SNP_P1_13660_35368444	NC_021160.1	Ca_kabuli_chr01	35368444	GG	AA	1940139395
SNP_P1_13661_35369472	NC_021160.1	Ca_kabuli_chr01	35369472	TT	CC	1940139396
SNP_P1_13662_35369737	NC_021160.1	Ca_kabuli_chr01	35369737	CC	TT	1940139397

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_13663_35369802	NC_021160.1	Ca_kabuli_chr01	35369802	GG	AA	1940139398
SNP_P1_13666_35372064	NC_021160.1	Ca_kabuli_chr01	35372064	GG	AA	1940139399
SNP_P1_13667_35372327	NC_021160.1	Ca_kabuli_chr01	35372327	AA	GG	1940139400
SNP_P1_13668_35372946	NC_021160.1	Ca_kabuli_chr01	35372946	CC	TT	1940139401
SNP_P1_13669_35373354	NC_021160.1	Ca_kabuli_chr01	35373354	AA	TT	1940139402
SNP_P1_13670_35374449	NC_021160.1	Ca_kabuli_chr01	35374449	AA	TT	1940139403
SNP_P1_13671_35374484	NC_021160.1	Ca_kabuli_chr01	35374484	AA	GG	1940139404
SNP_P1_13672_35374603	NC_021160.1	Ca_kabuli_chr01	35374603	GG	TT	1940139405
SNP_P1_13673_35374627	NC_021160.1	Ca_kabuli_chr01	35374627	TT	CC	1940139406
SNP_P1_13674_35374760	NC_021160.1	Ca_kabuli_chr01	35374760	CC	TT	1940139407
SNP_P1_13675_35375350	NC_021160.1	Ca_kabuli_chr01	35375350	TT	GG	1940139408
SNP_P1_13676_35375611	NC_021160.1	Ca_kabuli_chr01	35375611	CC	TT	1940139409
SNP_P1_13677_35375737	NC_021160.1	Ca_kabuli_chr01	35375737	GG	AA	1940139410
SNP_P1_13678_35376921	NC_021160.1	Ca_kabuli_chr01	35376921	CC	TT	1940139411
SNP_P1_13679_35376923	NC_021160.1	Ca_kabuli_chr01	35376923	CC	GG	1940139412
SNP_P1_13680_35376933	NC_021160.1	Ca_kabuli_chr01	35376933	TT	CC	1940139413
SNP_P1_13681_35377004	NC_021160.1	Ca_kabuli_chr01	35377004	CC	TT	1940139414
SNP_P1_13682_35377166	NC_021160.1	Ca_kabuli_chr01	35377166	GG	AA	1940139415
SNP_P1_13683_35377212	NC_021160.1	Ca_kabuli_chr01	35377212	TT	CC	1940139416
SNP_P1_13684_35378020	NC_021160.1	Ca_kabuli_chr01	35378020	AA	GG	1940139417
SNP_P1_13685_35378032	NC_021160.1	Ca_kabuli_chr01	35378032	GG	TT	1940139418
SNP_P1_13686_35378265	NC_021160.1	Ca_kabuli_chr01	35378265	CC	TT	1940139419
SNP_P1_13687_35378294	NC_021160.1	Ca_kabuli_chr01	35378294	AA	CC	1940139420
SNP_P1_13688_35379011	NC_021160.1	Ca_kabuli_chr01	35379011	AA	TT	1940139422
SNP_P1_13689_35379355	NC_021160.1	Ca_kabuli_chr01	35379355	TT	GG	1940139423
SNP_P1_13690_35381526	NC_021160.1	Ca_kabuli_chr01	35381526	GG	AA	1940139424
SNP_P1_13691_35381619	NC_021160.1	Ca_kabuli_chr01	35381619	AA	TT	1940139425
SNP_P1_13692_35381812	NC_021160.1	Ca_kabuli_chr01	35381812	GG	AA	1940139426
SNP_P1_13693_35381883	NC_021160.1	Ca_kabuli_chr01	35381883	CC	TT	1940139427
SNP_P1_13694_35381933	NC_021160.1	Ca_kabuli_chr01	35381933	GG	CC	1940139428
SNP_P1_13695_35381982	NC_021160.1	Ca_kabuli_chr01	35381982	AA	TT	1940139429
SNP_P1_13696_35382093	NC_021160.1	Ca_kabuli_chr01	35382093	GG	TT	1940139430
SNP_P1_13697_35382861	NC_021160.1	Ca_kabuli_chr01	35382861	TT	CC	1940139431
SNP_P1_13698_35402684	NC_021160.1	Ca_kabuli_chr01	35402684	GG	CC	1940139432
SNP_P1_13699_35402730	NC_021160.1	Ca_kabuli_chr01	35402730	AA	GG	1940139433
SNP_P1_13700_35402736	NC_021160.1	Ca_kabuli_chr01	35402736	TT	CC	1940139434
SNP_P1_13701_35402745	NC_021160.1	Ca_kabuli_chr01	35402745	TT	AA	1940139435
SNP_P1_13702_35403061	NC_021160.1	Ca_kabuli_chr01	35403061	TT	GG	1940139436
SNP_P1_13703_35403063	NC_021160.1	Ca_kabuli_chr01	35403063	GG	AA	1940139437
SNP_P1_13704_35403319	NC_021160.1	Ca_kabuli_chr01	35403319	GG	AA	1940139438
SNP_P1_13706_35403394	NC_021160.1	Ca_kabuli_chr01	35403394	AA	GG	1940139439
SNP_P1_13707_35403477	NC_021160.1	Ca_kabuli_chr01	35403477	TT	CC	1940139440

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13709_35403657	NC_021160.1	Ca_kabuli_chr01	35403657	AA	TT	1940139442
SNP_P1_13710_35403666	NC_021160.1	Ca_kabuli_chr01	35403666	AA	GG	1940139443
SNP_P1_13711_35403687	NC_021160.1	Ca_kabuli_chr01	35403687	GG	CC	1940139444
SNP_P1_13712_35403735	NC_021160.1	Ca_kabuli_chr01	35403735	AA	GG	1940139445
SNP_P1_13713_35403824	NC_021160.1	Ca_kabuli_chr01	35403824	AA	CC	1940139446
SNP_P1_13714_35403981	NC_021160.1	Ca_kabuli_chr01	35403981	CC	GG	1940139447
SNP_P1_13715_35404252	NC_021160.1	Ca_kabuli_chr01	35404252	AA	GG	1940139448
SNP_P1_13716_35404262	NC_021160.1	Ca_kabuli_chr01	35404262	TT	AA	1940139449
SNP_P1_13717_35404493	NC_021160.1	Ca_kabuli_chr01	35404493	GG	AA	1940139450
SNP_P1_13719_35404592	NC_021160.1	Ca_kabuli_chr01	35404592	AA	GG	1940139451
SNP_P1_13720_35404597	NC_021160.1	Ca_kabuli_chr01	35404597	CC	TT	1940139452
SNP_P1_13721_35404624	NC_021160.1	Ca_kabuli_chr01	35404624	GG	AA	1940139453
SNP_P1_13722_35404812	NC_021160.1	Ca_kabuli_chr01	35404812	AA	TT	1940139455
SNP_P1_13723_35404984	NC_021160.1	Ca_kabuli_chr01	35404984	AA	CC	1940139456
SNP_P1_13724_35404985	NC_021160.1	Ca_kabuli_chr01	35404985	AA	GG	1940139457
SNP_P1_13726_35405225	NC_021160.1	Ca_kabuli_chr01	35405225	TT	CC	1940139458
SNP_P1_13727_35405226	NC_021160.1	Ca_kabuli_chr01	35405226	AA	TT	1940139459
SNP_P1_13728_35405269	NC_021160.1	Ca_kabuli_chr01	35405269	CC	AA	1940139460
SNP_P1_13729_35405419	NC_021160.1	Ca_kabuli_chr01	35405419	GG	TT	1940139461
SNP_P1_13730_35405422	NC_021160.1	Ca_kabuli_chr01	35405422	AA	GG	1940139462
SNP_P1_13731_35405446	NC_021160.1	Ca_kabuli_chr01	35405446	AA	TT	1940139463
SNP_P1_13732_35405453	NC_021160.1	Ca_kabuli_chr01	35405453	AA	TT	1940139464
SNP_P1_13733_35405467	NC_021160.1	Ca_kabuli_chr01	35405467	GG	CC	1940139465
SNP_P1_13734_35405496	NC_021160.1	Ca_kabuli_chr01	35405496	GG	AA	1940139466
SNP_P1_13735_35405583	NC_021160.1	Ca_kabuli_chr01	35405583	CC	TT	1940139467
SNP_P1_13736_35405657	NC_021160.1	Ca_kabuli_chr01	35405657	AA	CC	1940139468
SNP_P1_13737_35405772	NC_021160.1	Ca_kabuli_chr01	35405772	AA	TT	1940139469
SNP_P1_13738_35405774	NC_021160.1	Ca_kabuli_chr01	35405774	GG	AA	1940139470
SNP_P1_13739_35424385	NC_021160.1	Ca_kabuli_chr01	35424385	CC	GG	1940139471
SNP_P1_13740_35425339	NC_021160.1	Ca_kabuli_chr01	35425339	AA	GG	1940139472
SNP_P1_13741_35425588	NC_021160.1	Ca_kabuli_chr01	35425588	TT	AA	1940139473
SNP_P1_13742_35429368	NC_021160.1	Ca_kabuli_chr01	35429368	CC	AA	1940139474
SNP_P1_13744_35429655	NC_021160.1	Ca_kabuli_chr01	35429655	TT	CC	1940139475
SNP_P1_13745_35432936	NC_021160.1	Ca_kabuli_chr01	35432936	CC	TT	1940139476
SNP_P1_13746_35432996	NC_021160.1	Ca_kabuli_chr01	35432996	TT	CC	1940139477
SNP_P1_13747_35433001	NC_021160.1	Ca_kabuli_chr01	35433001	TT	CC	1940139478
SNP_P1_13748_35435453	NC_021160.1	Ca_kabuli_chr01	35435453	CC	TT	1940139479
SNP_P1_13749_35436280	NC_021160.1	Ca_kabuli_chr01	35436280	TT	CC	1940139480
SNP_P1_13751_35438956	NC_021160.1	Ca_kabuli_chr01	35438956	AA	CC	1940139481
SNP_P1_13752_35439020	NC_021160.1	Ca_kabuli_chr01	35439020	AA	GG	1940139482
SNP_P1_13753_35439057	NC_021160.1	Ca_kabuli_chr01	35439057	AA	GG	1940139483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13756_35449950	NC_021160.1	Ca_kabuli_chr01	35449950	CC	TT	1940139486
SNP_P1_13757_35449969	NC_021160.1	Ca_kabuli_chr01	35449969	AA	GG	1940139487
SNP_P1_13758_35449987	NC_021160.1	Ca_kabuli_chr01	35449987	TT	AA	1940139488
SNP_P1_13759_35450156	NC_021160.1	Ca_kabuli_chr01	35450156	GG	AA	1940139489
SNP_P1_13760_35450173	NC_021160.1	Ca_kabuli_chr01	35450173	GG	AA	1940139490
SNP_P1_13761_35450177	NC_021160.1	Ca_kabuli_chr01	35450177	AA	CC	1940139491
SNP_P1_13762_35450183	NC_021160.1	Ca_kabuli_chr01	35450183	TT	CC	1940139492
SNP_P1_13763_35450226	NC_021160.1	Ca_kabuli_chr01	35450226	TT	CC	1940139493
SNP_P1_13764_35450290	NC_021160.1	Ca_kabuli_chr01	35450290	TT	CC	1940139494
SNP_P1_13765_35450311	NC_021160.1	Ca_kabuli_chr01	35450311	CC	TT	1940139495
SNP_P1_13766_35450642	NC_021160.1	Ca_kabuli_chr01	35450642	TT	CC	1940139496
SNP_P1_13768_35454884	NC_021160.1	Ca_kabuli_chr01	35454884	TT	CC	1940139497
SNP_P1_13769_35471837	NC_021160.1	Ca_kabuli_chr01	35471837	CC	TT	1940139498
SNP_P1_13770_35475880	NC_021160.1	Ca_kabuli_chr01	35475880	TT	AA	1940139499
SNP_P1_13771_35476257	NC_021160.1	Ca_kabuli_chr01	35476257	AA	GG	1940139500
SNP_P1_13772_35477481	NC_021160.1	Ca_kabuli_chr01	35477481	CC	TT	1940139501
SNP_P1_13773_35479916	NC_021160.1	Ca_kabuli_chr01	35479916	CC	TT	1940139502
SNP_P1_13774_35480090	NC_021160.1	Ca_kabuli_chr01	35480090	AA	GG	1940139503
SNP_P1_13775_35480240	NC_021160.1	Ca_kabuli_chr01	35480240	GG	AA	1940139504
SNP_P1_13776_35480410	NC_021160.1	Ca_kabuli_chr01	35480410	TT	GG	1940139505
SNP_P1_13777_35482465	NC_021160.1	Ca_kabuli_chr01	35482465	AA	TT	1940139506
SNP_P1_13778_35482479	NC_021160.1	Ca_kabuli_chr01	35482479	TT	CC	1940139507
SNP_P1_13779_35491005	NC_021160.1	Ca_kabuli_chr01	35491005	TT	GG	1940139508
SNP_P1_13780_35491720	NC_021160.1	Ca_kabuli_chr01	35491720	TT	CC	1940139509
SNP_P1_13781_35493642	NC_021160.1	Ca_kabuli_chr01	35493642	CC	TT	1940139510
SNP_P1_13782_35497362	NC_021160.1	Ca_kabuli_chr01	35497362	AA	CC	1940139511
SNP_P1_13783_35502868	NC_021160.1	Ca_kabuli_chr01	35502868	GG	AA	1940139512
SNP_P1_13785_35506150	NC_021160.1	Ca_kabuli_chr01	35506150	CC	TT	1940139513
SNP_P1_13786_35506423	NC_021160.1	Ca_kabuli_chr01	35506423	CC	TT	1940139514
SNP_P1_13787_35510336	NC_021160.1	Ca_kabuli_chr01	35510336	AA	CC	1940139515
SNP_P1_13788_35510662	NC_021160.1	Ca_kabuli_chr01	35510662	TT	CC	1940139516
SNP_P1_13789_35518130	NC_021160.1	Ca_kabuli_chr01	35518130	GG	AA	1940139517
SNP_P1_13790_35518138	NC_021160.1	Ca_kabuli_chr01	35518138	AA	GG	1940139518
SNP_P1_13791_35525161	NC_021160.1	Ca_kabuli_chr01	35525161	TT	CC	1940139519
SNP_P1_13792_35537239	NC_021160.1	Ca_kabuli_chr01	35537239	CC	TT	1940139520
SNP_P1_13793_35537254	NC_021160.1	Ca_kabuli_chr01	35537254	CC	AA	1940139521
SNP_P1_13794_35538197	NC_021160.1	Ca_kabuli_chr01	35538197	CC	TT	1940139522
SNP_P1_13797_35541022	NC_021160.1	Ca_kabuli_chr01	35541022	CC	TT	1940139523
SNP_P1_13798_35541023	NC_021160.1	Ca_kabuli_chr01	35541023	TT	CC	1940139524
SNP_P1_13799_35543250	NC_021160.1	Ca_kabuli_chr01	35543250	CC	TT	1940139525
SNP_P1_13801_35560843	NC_021160.1	Ca_kabuli_chr01	35560843	TT	AA	1940139526

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13803_35565066	NC_021160.1	Ca_kabuli_chr01	35565066	GG	AA	1940139528
SNP_P1_13804_35565481	NC_021160.1	Ca_kabuli_chr01	35565481	AA	CC	1940139529
SNP_P1_13805_35565789	NC_021160.1	Ca_kabuli_chr01	35565789	CC	TT	1940139531
SNP_P1_13806_35565970	NC_021160.1	Ca_kabuli_chr01	35565970	CC	AA	1940139532
SNP_P1_13807_35568194	NC_021160.1	Ca_kabuli_chr01	35568194	CC	TT	1940139533
SNP_P1_13808_35574401	NC_021160.1	Ca_kabuli_chr01	35574401	TT	AA	1940139534
SNP_P1_13809_35574598	NC_021160.1	Ca_kabuli_chr01	35574598	GG	AA	1940139535
SNP_P1_13810_35574787	NC_021160.1	Ca_kabuli_chr01	35574787	TT	AA	1940139536
SNP_P1_13811_35576651	NC_021160.1	Ca_kabuli_chr01	35576651	TT	AA	1940139537
SNP_P1_13812_35579193	NC_021160.1	Ca_kabuli_chr01	35579193	TT	AA	1940139538
SNP_P1_13813_35579249	NC_021160.1	Ca_kabuli_chr01	35579249	CC	TT	1940139539
SNP_P1_13814_35579494	NC_021160.1	Ca_kabuli_chr01	35579494	CC	AA	1940139540
SNP_P1_13815_35580402	NC_021160.1	Ca_kabuli_chr01	35580402	AA	TT	1940139541
SNP_P1_13816_35580614	NC_021160.1	Ca_kabuli_chr01	35580614	AA	CC	1940139542
SNP_P1_13817_35595256	NC_021160.1	Ca_kabuli_chr01	35595256	CC	TT	1940139543
SNP_P1_13818_35599034	NC_021160.1	Ca_kabuli_chr01	35599034	CC	TT	1940139544
SNP_P1_13819_35599089	NC_021160.1	Ca_kabuli_chr01	35599089	TT	AA	1940139545
SNP_P1_13820_35599172	NC_021160.1	Ca_kabuli_chr01	35599172	AA	CC	1940139546
SNP_P1_13821_35599365	NC_021160.1	Ca_kabuli_chr01	35599365	TT	AA	1940139547
SNP_P1_13822_35599403	NC_021160.1	Ca_kabuli_chr01	35599403	AA	CC	1940139548
SNP_P1_13823_35599440	NC_021160.1	Ca_kabuli_chr01	35599440	GG	AA	1940139549
SNP_P1_13824_35600276	NC_021160.1	Ca_kabuli_chr01	35600276	TT	CC	1940139550
SNP_P1_13825_35603548	NC_021160.1	Ca_kabuli_chr01	35603548	TT	AA	1940139551
SNP_P1_13826_35603597	NC_021160.1	Ca_kabuli_chr01	35603597	AA	GG	1940139552
SNP_P1_13827_35605598	NC_021160.1	Ca_kabuli_chr01	35605598	CC	TT	1940139553
SNP_P1_13828_35605838	NC_021160.1	Ca_kabuli_chr01	35605838	TT	CC	1940139554
SNP_P1_13829_35605840	NC_021160.1	Ca_kabuli_chr01	35605840	GG	AA	1940139555
SNP_P1_13830_35606185	NC_021160.1	Ca_kabuli_chr01	35606185	CC	AA	1940139556
SNP_P1_13831_35606216	NC_021160.1	Ca_kabuli_chr01	35606216	GG	AA	1940139557
SNP_P1_13832_35606594	NC_021160.1	Ca_kabuli_chr01	35606594	GG	AA	1940139558
SNP_P1_13833_35613888	NC_021160.1	Ca_kabuli_chr01	35613888	CC	TT	1940139559
SNP_P1_13834_35613975	NC_021160.1	Ca_kabuli_chr01	35613975	CC	TT	1940139560
SNP_P1_13835_35614152	NC_021160.1	Ca_kabuli_chr01	35614152	TT	CC	1940139561
SNP_P1_13836_35614164	NC_021160.1	Ca_kabuli_chr01	35614164	AA	GG	1940139562
SNP_P1_13837_35614173	NC_021160.1	Ca_kabuli_chr01	35614173	CC	TT	1940139563
SNP_P1_13838_35614265	NC_021160.1	Ca_kabuli_chr01	35614265	GG	AA	1940139564
SNP_P1_13839_35614312	NC_021160.1	Ca_kabuli_chr01	35614312	CC	TT	1940139565
SNP_P1_13840_35614370	NC_021160.1	Ca_kabuli_chr01	35614370	CC	AA	1940139566
SNP_P1_13841_35621492	NC_021160.1	Ca_kabuli_chr01	35621492	AA	CC	1940139567
SNP_P1_13842_35621987	NC_021160.1	Ca_kabuli_chr01	35621987	CC	AA	1940139568
SNP_P1_13843_35622006	NC_021160.1	Ca_kabuli_chr01	35622006	GG	AA	1940139569

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13845_35624353	NC_021160.1	Ca_kabuli_chr01	35624353	TT	GG	1940139571
SNP_P1_13846_35627808	NC_021160.1	Ca_kabuli_chr01	35627808	TT	CC	1940139573
SNP_P1_13847_35631968	NC_021160.1	Ca_kabuli_chr01	35631968	TT	CC	1940139574
SNP_P1_13848_35631995	NC_021160.1	Ca_kabuli_chr01	35631995	CC	TT	1940139575
SNP_P1_13849_35632523	NC_021160.1	Ca_kabuli_chr01	35632523	GG	TT	1940139576
SNP_P1_13850_35632524	NC_021160.1	Ca_kabuli_chr01	35632524	GG	CC	1940139577
SNP_P1_13851_35632525	NC_021160.1	Ca_kabuli_chr01	35632525	GG	CC	1940139578
SNP_P1_13852_35632840	NC_021160.1	Ca_kabuli_chr01	35632840	TT	CC	1940139579
SNP_P1_13853_35633174	NC_021160.1	Ca_kabuli_chr01	35633174	TT	CC	1940139580
SNP_P1_13854_35636074	NC_021160.1	Ca_kabuli_chr01	35636074	TT	CC	1940139581
SNP_P1_13855_35636707	NC_021160.1	Ca_kabuli_chr01	35636707	GG	TT	1940139582
SNP_P1_13856_35637062	NC_021160.1	Ca_kabuli_chr01	35637062	TT	AA	1940139583
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SNP_P1_13859_35644259	NC_021160.1	Ca_kabuli_chr01	35644259	CC	TT	1940139586
SNP_P1_13860_35645315	NC_021160.1	Ca_kabuli_chr01	35645315	TT	GG	1940139587
SNP_P1_13861_35645904	NC_021160.1	Ca_kabuli_chr01	35645904	GG	AA	1940139588
SNP_P1_13862_35645906	NC_021160.1	Ca_kabuli_chr01	35645906	CC	GG	1940139589
SNP_P1_13863_35647110	NC_021160.1	Ca_kabuli_chr01	35647110	CC	TT	1940139590
SNP_P1_13865_35649975	NC_021160.1	Ca_kabuli_chr01	35649975	GG	AA	1940139591
SNP_P1_13866_35658413	NC_021160.1	Ca_kabuli_chr01	35658413	TT	CC	1940139592
SNP_P1_13867_35658941	NC_021160.1	Ca_kabuli_chr01	35658941	CC	TT	1940139593
SNP_P1_13868_35662073	NC_021160.1	Ca_kabuli_chr01	35662073	GG	AA	1940139594
SNP_P1_13869_35662135	NC_021160.1	Ca_kabuli_chr01	35662135	CC	AA	1940139595
SNP_P1_13870_35662165	NC_021160.1	Ca_kabuli_chr01	35662165	AA	GG	1940139596
SNP_P1_13871_35662472	NC_021160.1	Ca_kabuli_chr01	35662472	CC	TT	1940139597
SNP_P1_13872_35663117	NC_021160.1	Ca_kabuli_chr01	35663117	GG	CC	1940139598
SNP_P1_13873_35663894	NC_021160.1	Ca_kabuli_chr01	35663894	TT	CC	1940139599
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SNP_P1_13875_35679254	NC_021160.1	Ca_kabuli_chr01	35679254	TT	AA	1940139601
SNP_P1_13877_35680981	NC_021160.1	Ca_kabuli_chr01	35680981	CC	TT	1940139602
SNP_P1_13878_35681072	NC_021160.1	Ca_kabuli_chr01	35681072	GG	TT	1940139603
SNP_P1_13879_35681443	NC_021160.1	Ca_kabuli_chr01	35681443	GG	AA	1940139604
SNP_P1_13880_35682644	NC_021160.1	Ca_kabuli_chr01	35682644	GG	AA	1940139605
SNP_P1_13881_35682704	NC_021160.1	Ca_kabuli_chr01	35682704	TT	AA	1940139606
SNP_P1_13882_35684491	NC_021160.1	Ca_kabuli_chr01	35684491	TT	CC	1940139607
SNP_P1_13883_35684787	NC_021160.1	Ca_kabuli_chr01	35684787	AA	TT	1940139608
SNP_P1_13884_35684789	NC_021160.1	Ca_kabuli_chr01	35684789	AA	GG	1940139609
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SNP_P1_13886_35687590	NC_021160.1	Ca_kabuli_chr01	35687590	GG	AA	1940139611
SNP_P1_13887_35687595	NC_021160.1	Ca_kabuli_chr01	35687595	TT	CC	1940139612

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13891_35691000	NC_021160.1	Ca_kabuli_chr01	35691000	TT	CC	1940139617
SNP_P1_13892_35693308	NC_021160.1	Ca_kabuli_chr01	35693308	CC	TT	1940139618
SNP_P1_13895_35699275	NC_021160.1	Ca_kabuli_chr01	35699275	TT	CC	1940139619
SNP_P1_13896_35700565	NC_021160.1	Ca_kabuli_chr01	35700565	CC	TT	1940139620
SNP_P1_13897_35701148	NC_021160.1	Ca_kabuli_chr01	35701148	AA	GG	1940139621
SNP_P1_13898_35701307	NC_021160.1	Ca_kabuli_chr01	35701307	TT	CC	1940139622
SNP_P1_13899_35704737	NC_021160.1	Ca_kabuli_chr01	35704737	CC	TT	1940139623
SNP_P1_13900_35707701	NC_021160.1	Ca_kabuli_chr01	35707701	CC	TT	1940139624
SNP_P1_13901_35710849	NC_021160.1	Ca_kabuli_chr01	35710849	CC	TT	1940139625
SNP_P1_13902_35711684	NC_021160.1	Ca_kabuli_chr01	35711684	GG	AA	1940139626
SNP_P1_13903_35712420	NC_021160.1	Ca_kabuli_chr01	35712420	GG	AA	1940139627
SNP_P1_13904_35712548	NC_021160.1	Ca_kabuli_chr01	35712548	GG	AA	1940139628
SNP_P1_13905_35712561	NC_021160.1	Ca_kabuli_chr01	35712561	GG	TT	1940139629
SNP_P1_13906_35712566	NC_021160.1	Ca_kabuli_chr01	35712566	AA	GG	1940139630
SNP_P1_13908_35713729	NC_021160.1	Ca_kabuli_chr01	35713729	TT	AA	1940139631
SNP_P1_13909_35713952	NC_021160.1	Ca_kabuli_chr01	35713952	TT	CC	1940139632
SNP_P1_13910_35714038	NC_021160.1	Ca_kabuli_chr01	35714038	TT	CC	1940139633
SNP_P1_13911_35714180	NC_021160.1	Ca_kabuli_chr01	35714180	TT	CC	1940139634
SNP_P1_13912_35715118	NC_021160.1	Ca_kabuli_chr01	35715118	TT	CC	1940139635
SNP_P1_13913_35715120	NC_021160.1	Ca_kabuli_chr01	35715120	AA	GG	1940139636
SNP_P1_13914_35715139	NC_021160.1	Ca_kabuli_chr01	35715139	TT	CC	1940139637
SNP_P1_13915_35717750	NC_021160.1	Ca_kabuli_chr01	35717750	TT	GG	1940139638
SNP_P1_13916_35718942	NC_021160.1	Ca_kabuli_chr01	35718942	AA	CC	1940139639
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SNP_P1_13918_35719046	NC_021160.1	Ca_kabuli_chr01	35719046	AA	GG	1940139641
SNP_P1_13919_35724090	NC_021160.1	Ca_kabuli_chr01	35724090	GG	AA	1940139642
SNP_P1_13920_35724749	NC_021160.1	Ca_kabuli_chr01	35724749	CC	TT	1940139643
SNP_P1_13921_35724941	NC_021160.1	Ca_kabuli_chr01	35724941	TT	CC	1940139644
SNP_P1_13922_35724974	NC_021160.1	Ca_kabuli_chr01	35724974	AA	GG	1940139645
SNP_P1_13923_35724986	NC_021160.1	Ca_kabuli_chr01	35724986	TT	CC	1940139646
SNP_P1_13924_35724988	NC_021160.1	Ca_kabuli_chr01	35724988	TT	CC	1940139647
SNP_P1_13925_35725035	NC_021160.1	Ca_kabuli_chr01	35725035	TT	GG	1940139648
SNP_P1_13926_35725361	NC_021160.1	Ca_kabuli_chr01	35725361	CC	AA	1940139649
SNP_P1_13927_35725378	NC_021160.1	Ca_kabuli_chr01	35725378	TT	CC	1940139650
SNP_P1_13928_35725402	NC_021160.1	Ca_kabuli_chr01	35725402	GG	AA	1940139651
SNP_P1_13929_35725438	NC_021160.1	Ca_kabuli_chr01	35725438	TT	AA	1940139652
SNP_P1_13930_35727409	NC_021160.1	Ca_kabuli_chr01	35727409	CC	TT	1940139654
SNP_P1_13931_35729328	NC_021160.1	Ca_kabuli_chr01	35729328	AA	TT	1940139655
SNP_P1_13932_35736108	NC_021160.1	Ca_kabuli_chr01	35736108	CC	GG	1940139656

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13935_35747792	NC_021160.1	Ca_kabuli_chr01	35747792	GG	AA	1940139658
SNP_P1_13936_35751600	NC_021160.1	Ca_kabuli_chr01	35751600	TT	AA	1940139659
SNP_P1_13937_35753324	NC_021160.1	Ca_kabuli_chr01	35753324	GG	AA	1940139660
SNP_P1_13938_35756218	NC_021160.1	Ca_kabuli_chr01	35756218	GG	TT	1940139661
SNP_P1_13939_35766452	NC_021160.1	Ca_kabuli_chr01	35766452	TT	CC	1940139662
SNP_P1_13940_35766572	NC_021160.1	Ca_kabuli_chr01	35766572	GG	AA	1940139663
SNP_P1_13941_35767281	NC_021160.1	Ca_kabuli_chr01	35767281	AA	GG	1940139664
SNP_P1_13942_35769448	NC_021160.1	Ca_kabuli_chr01	35769448	AA	TT	1940139665
SNP_P1_13943_35784414	NC_021160.1	Ca_kabuli_chr01	35784414	GG	AA	1940139666
SNP_P1_13944_35784710	NC_021160.1	Ca_kabuli_chr01	35784710	GG	TT	1940139667
SNP_P1_13945_35784803	NC_021160.1	Ca_kabuli_chr01	35784803	CC	TT	1940139668
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SNP_P1_13947_35786502	NC_021160.1	Ca_kabuli_chr01	35786502	AA	GG	1940139670
SNP_P1_13948_35788130	NC_021160.1	Ca_kabuli_chr01	35788130	AA	GG	1940139671
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SNP_P1_13950_35788485	NC_021160.1	Ca_kabuli_chr01	35788485	CC	TT	1940139673
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SNP_P1_13953_35791597	NC_021160.1	Ca_kabuli_chr01	35791597	GG	CC	1940139676
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SNP_P1_13956_35808070	NC_021160.1	Ca_kabuli_chr01	35808070	TT	CC	1940139679
SNP_P1_13957_35813415	NC_021160.1	Ca_kabuli_chr01	35813415	TT	CC	1940139680
SNP_P1_13958_35818391	NC_021160.1	Ca_kabuli_chr01	35818391	CC	TT	1940139681
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SNP_P1_13960_35823234	NC_021160.1	Ca_kabuli_chr01	35823234	GG	TT	1940139683
SNP_P1_13961_35827511	NC_021160.1	Ca_kabuli_chr01	35827511	CC	TT	1940139684
SNP_P1_13962_35828111	NC_021160.1	Ca_kabuli_chr01	35828111	TT	CC	1940139685
SNP_P1_13963_35829164	NC_021160.1	Ca_kabuli_chr01	35829164	AA	GG	1940139686
SNP_P1_13964_35831789	NC_021160.1	Ca_kabuli_chr01	35831789	AA	GG	1940139687
SNP_P1_13965_35832179	NC_021160.1	Ca_kabuli_chr01	35832179	AA	GG	1940139688
SNP_P1_13966_35838341	NC_021160.1	Ca_kabuli_chr01	35838341	AA	TT	1940139689
SNP_P1_13967_35838343	NC_021160.1	Ca_kabuli_chr01	35838343	AA	TT	1940139690
SNP_P1_13968_35838370	NC_021160.1	Ca_kabuli_chr01	35838370	AA	GG	1940139691
SNP_P1_13969_35841834	NC_021160.1	Ca_kabuli_chr01	35841834	TT	AA	1940139692
SNP_P1_13970_35842140	NC_021160.1	Ca_kabuli_chr01	35842140	AA	TT	1940139694
SNP_P1_13971_35842541	NC_021160.1	Ca_kabuli_chr01	35842541	GG	CC	1940139695
SNP_P1_13972_35842997	NC_021160.1	Ca_kabuli_chr01	35842997	CC	TT	1940139696
SNP_P1_13973_35849260	NC_021160.1	Ca_kabuli_chr01	35849260	GG	AA	1940139697
SNP_P1_13974_35856210	NC_021160.1	Ca_kabuli_chr01	35856210	GG	CC	1940139698
SNP_P1_13975_35856225	NC_021160.1	Ca_kabuli_chr01	35856225	CC	AA	1940139699

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_13977_35856259	NC_021160.1	Ca_kabuli_chr01	35856259	GG	AA	1940139701
SNP_P1_13978_35856328	NC_021160.1	Ca_kabuli_chr01	35856328	TT	CC	1940139702
SNP_P1_13979_35856355	NC_021160.1	Ca_kabuli_chr01	35856355	GG	AA	1940139703
SNP_P1_13980_35856358	NC_021160.1	Ca_kabuli_chr01	35856358	AA	TT	1940139704
SNP_P1_13981_35856373	NC_021160.1	Ca_kabuli_chr01	35856373	TT	AA	1940139705
SNP_P1_13982_35856424	NC_021160.1	Ca_kabuli_chr01	35856424	GG	CC	1940139706
SNP_P1_13983_35856427	NC_021160.1	Ca_kabuli_chr01	35856427	GG	AA	1940139707
SNP_P1_13984_35856635	NC_021160.1	Ca_kabuli_chr01	35856635	GG	CC	1940139708
SNP_P1_13985_35856779	NC_021160.1	Ca_kabuli_chr01	35856779	CC	TT	1940139709
SNP_P1_13986_35857954	NC_021160.1	Ca_kabuli_chr01	35857954	AA	TT	1940139710
SNP_P1_13987_35858893	NC_021160.1	Ca_kabuli_chr01	35858893	GG	CC	1940139711
SNP_P1_13988_35862577	NC_021160.1	Ca_kabuli_chr01	35862577	GG	CC	1940139712
SNP_P1_13989_35862604	NC_021160.1	Ca_kabuli_chr01	35862604	TT	CC	1940139713
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SNP_P1_13991_35865792	NC_021160.1	Ca_kabuli_chr01	35865792	AA	CC	1940139715
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SNP_P1_13998_35876048	NC_021160.1	Ca_kabuli_chr01	35876048	AA	TT	1940139722
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SNP_P1_14007_35901384	NC_021160.1	Ca_kabuli_chr01	35901384	GG	AA	1940139729
SNP_P1_14008_35903016	NC_021160.1	Ca_kabuli_chr01	35903016	TT	CC	1940139730
SNP_P1_14009_35903424	NC_021160.1	Ca_kabuli_chr01	35903424	AA	GG	1940139731
SNP_P1_14010_35903511	NC_021160.1	Ca_kabuli_chr01	35903511	AA	GG	1940139732
SNP_P1_14011_35904622	NC_021160.1	Ca_kabuli_chr01	35904622	TT	CC	1940139733
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SNP_P1_14015_35908939	NC_021160.1	Ca_kabuli_chr01	35908939	TT	CC	1940139737
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SNP_P1_14018_35911196	NC_021160.1	Ca_kabuli_chr01	35911196	TT	CC	1940139739
SNP_P1_14019_35912060	NC_021160.1	Ca_kabuli_chr01	35912060	AA	GG	1940139740
SNP_P1_14020_35912535	NC_021160.1	Ca_kabuli_chr01	35912535	CC	AA	1940139741
SNP_P1_14022_35917736	NC_021160.1	Ca_kabuli_chr01	35917736	GG	TT	1940139742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14026_35923430	NC_021160.1	Ca_kabuli_chr01	35923430	TT	CC	1940139745
SNP_P1_14027_35924173	NC_021160.1	Ca_kabuli_chr01	35924173	TT	AA	1940139746
SNP_P1_14028_35924200	NC_021160.1	Ca_kabuli_chr01	35924200	CC	TT	1940139747
SNP_P1_14029_35924222	NC_021160.1	Ca_kabuli_chr01	35924222	AA	CC	1940139748
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SNP_P1_14033_35930031	NC_021160.1	Ca_kabuli_chr01	35930031	CC	TT	1940139752
SNP_P1_14034_35930314	NC_021160.1	Ca_kabuli_chr01	35930314	GG	CC	1940139753
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SNP_P1_14037_35946082	NC_021160.1	Ca_kabuli_chr01	35946082	CC	GG	1940139756
SNP_P1_14038_35946766	NC_021160.1	Ca_kabuli_chr01	35946766	GG	AA	1940139757
SNP_P1_14039_35946836	NC_021160.1	Ca_kabuli_chr01	35946836	TT	CC	1940139758
SNP_P1_14040_35946837	NC_021160.1	Ca_kabuli_chr01	35946837	GG	AA	1940139759
SNP_P1_14041_35946876	NC_021160.1	Ca_kabuli_chr01	35946876	CC	GG	1940139760
SNP_P1_14042_35946951	NC_021160.1	Ca_kabuli_chr01	35946951	AA	GG	1940139761
SNP_P1_14043_35946984	NC_021160.1	Ca_kabuli_chr01	35946984	AA	GG	1940139762
SNP_P1_14044_35947016	NC_021160.1	Ca_kabuli_chr01	35947016	AA	GG	1940139763
SNP_P1_14046_35947059	NC_021160.1	Ca_kabuli_chr01	35947059	TT	GG	1940139764
SNP_P1_14047_35947087	NC_021160.1	Ca_kabuli_chr01	35947087	AA	GG	1940139765
SNP_P1_14048_35947088	NC_021160.1	Ca_kabuli_chr01	35947088	CC	AA	1940139766
SNP_P1_14049_35947252	NC_021160.1	Ca_kabuli_chr01	35947252	GG	AA	1940139767
SNP_P1_14050_35947330	NC_021160.1	Ca_kabuli_chr01	35947330	GG	AA	1940139768
SNP_P1_14051_35947341	NC_021160.1	Ca_kabuli_chr01	35947341	AA	TT	1940139769
SNP_P1_14054_35977337	NC_021160.1	Ca_kabuli_chr01	35977337	AA	GG	1940139770
SNP_P1_14055_35977371	NC_021160.1	Ca_kabuli_chr01	35977371	CC	TT	1940139771
SNP_P1_14056_35977576	NC_021160.1	Ca_kabuli_chr01	35977576	CC	TT	1940139772
SNP_P1_14057_35977601	NC_021160.1	Ca_kabuli_chr01	35977601	GG	CC	1940139773
SNP_P1_14058_35978414	NC_021160.1	Ca_kabuli_chr01	35978414	TT	CC	1940139774
SNP_P1_14059_35999586	NC_021160.1	Ca_kabuli_chr01	35999586	TT	GG	1940139775
SNP_P1_14060_36009129	NC_021160.1	Ca_kabuli_chr01	36009129	AA	CC	1940139776
SNP_P1_14061_36009146	NC_021160.1	Ca_kabuli_chr01	36009146	GG	CC	1940139778
SNP_P1_14062_36010330	NC_021160.1	Ca_kabuli_chr01	36010330	CC	TT	1940139779
SNP_P1_14063_36012893	NC_021160.1	Ca_kabuli_chr01	36012893	GG	AA	1940139780
SNP_P1_14064_36012896	NC_021160.1	Ca_kabuli_chr01	36012896	TT	AA	1940139781
SNP_P1_14065_36012953	NC_021160.1	Ca_kabuli_chr01	36012953	AA	CC	1940139782
SNP_P1_14066_36012956	NC_021160.1	Ca_kabuli_chr01	36012956	TT	AA	1940139783
SNP_P1_14067_36012985	NC_021160.1	Ca_kabuli_chr01	36012985	AA	GG	1940139784
SNP_P1_14068_36012995	NC_021160.1	Ca_kabuli_chr01	36012995	AA	GG	1940139785

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14070_36013001	NC_021160.1	Ca_kabuli_chr01	36013001	AA	CC	1940139787
SNP_P1_14071_36013071	NC_021160.1	Ca_kabuli_chr01	36013071	GG	TT	1940139788
SNP_P1_14072_36013119	NC_021160.1	Ca_kabuli_chr01	36013119	TT	CC	1940139789
SNP_P1_14073_36013344	NC_021160.1	Ca_kabuli_chr01	36013344	CC	TT	1940139790
SNP_P1_14074_36013359	NC_021160.1	Ca_kabuli_chr01	36013359	TT	AA	1940139791
SNP_P1_14075_36013365	NC_021160.1	Ca_kabuli_chr01	36013365	AA	CC	1940139792
SNP_P1_14076_36013368	NC_021160.1	Ca_kabuli_chr01	36013368	TT	CC	1940139793
SNP_P1_14077_36015894	NC_021160.1	Ca_kabuli_chr01	36015894	CC	TT	1940139794
SNP_P1_14078_36031136	NC_021160.1	Ca_kabuli_chr01	36031136	CC	TT	1940139795
SNP_P1_14080_36041340	NC_021160.1	Ca_kabuli_chr01	36041340	TT	CC	1940139796
SNP_P1_14083_36063221	NC_021160.1	Ca_kabuli_chr01	36063221	CC	AA	1940139797
SNP_P1_14084_36067939	NC_021160.1	Ca_kabuli_chr01	36067939	CC	TT	1940139798
SNP_P1_14085_36068882	NC_021160.1	Ca_kabuli_chr01	36068882	CC	TT	1940139799
SNP_P1_14086_36081439	NC_021160.1	Ca_kabuli_chr01	36081439	CC	TT	1940139800
SNP_P1_14087_36081441	NC_021160.1	Ca_kabuli_chr01	36081441	AA	GG	1940139801
SNP_P1_14088_36081454	NC_021160.1	Ca_kabuli_chr01	36081454	CC	TT	1940139802
SNP_P1_14089_36081457	NC_021160.1	Ca_kabuli_chr01	36081457	AA	GG	1940139803
SNP_P1_14090_36081496	NC_021160.1	Ca_kabuli_chr01	36081496	AA	GG	1940139804
SNP_P1_14091_36081502	NC_021160.1	Ca_kabuli_chr01	36081502	CC	AA	1940139805
SNP_P1_14092_36081559	NC_021160.1	Ca_kabuli_chr01	36081559	AA	TT	1940139806
SNP_P1_14093_36081589	NC_021160.1	Ca_kabuli_chr01	36081589	AA	GG	1940139807
SNP_P1_14094_36081590	NC_021160.1	Ca_kabuli_chr01	36081590	CC	TT	1940139808
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SNP_P1_14096_36081988	NC_021160.1	Ca_kabuli_chr01	36081988	AA	CC	1940139810
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SNP_P1_14101_36116146	NC_021160.1	Ca_kabuli_chr01	36116146	AA	GG	1940139816
SNP_P1_14102_36117902	NC_021160.1	Ca_kabuli_chr01	36117902	GG	AA	1940139817
SNP_P1_14103_36120574	NC_021160.1	Ca_kabuli_chr01	36120574	TT	CC	1940139818
SNP_P1_14107_36166436	NC_021160.1	Ca_kabuli_chr01	36166436	CC	TT	1940139819
SNP_P1_14109_36171498	NC_021160.1	Ca_kabuli_chr01	36171498	TT	CC	1940139820
SNP_P1_14110_36171682	NC_021160.1	Ca_kabuli_chr01	36171682	AA	TT	1940139821
SNP_P1_14111_36172019	NC_021160.1	Ca_kabuli_chr01	36172019	GG	TT	1940139822
SNP_P1_14113_36225691	NC_021160.1	Ca_kabuli_chr01	36225691	AA	GG	1940139823
SNP_P1_14114_36231418	NC_021160.1	Ca_kabuli_chr01	36231418	TT	CC	1940139824
SNP_P1_14115_36236745	NC_021160.1	Ca_kabuli_chr01	36236745	CC	TT	1940139825
SNP_P1_14117_36245277	NC_021160.1	Ca_kabuli_chr01	36245277	AA	TT	1940139826
SNP_P1_14118_36247212	NC_021160.1	Ca_kabuli_chr01	36247212	GG	AA	1940139827
SNP_P1_14119_36247334	NC_021160.1	Ca_kabuli_chr01	36247334	AA	TT	1940139828

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14121_36249358	NC_021160.1	Ca_kabuli_chr01	36249358	CC	AA	1940139830
SNP_P1_14123_36255212	NC_021160.1	Ca_kabuli_chr01	36255212	TT	AA	1940139831
SNP_P1_14124_36267647	NC_021160.1	Ca_kabuli_chr01	36267647	AA	GG	1940139832
SNP_P1_14125_36268874	NC_021160.1	Ca_kabuli_chr01	36268874	TT	CC	1940139833
SNP_P1_14126_36282959	NC_021160.1	Ca_kabuli_chr01	36282959	GG	AA	1940139834
SNP_P1_14127_36283052	NC_021160.1	Ca_kabuli_chr01	36283052	CC	GG	1940139835
SNP_P1_14129_36283366	NC_021160.1	Ca_kabuli_chr01	36283366	TT	GG	1940139836
SNP_P1_14131_36290593	NC_021160.1	Ca_kabuli_chr01	36290593	CC	TT	1940139837
SNP_P1_14132_36290608	NC_021160.1	Ca_kabuli_chr01	36290608	AA	TT	1940139838
SNP_P1_14133_36292448	NC_021160.1	Ca_kabuli_chr01	36292448	CC	TT	1940139839
SNP_P1_14134_36297212	NC_021160.1	Ca_kabuli_chr01	36297212	CC	TT	1940139840
SNP_P1_14135_36297225	NC_021160.1	Ca_kabuli_chr01	36297225	CC	TT	1940139841
SNP_P1_14136_36297248	NC_021160.1	Ca_kabuli_chr01	36297248	GG	AA	1940139843
SNP_P1_14137_36297251	NC_021160.1	Ca_kabuli_chr01	36297251	AA	TT	1940139844
SNP_P1_14138_36297274	NC_021160.1	Ca_kabuli_chr01	36297274	TT	GG	1940139845
SNP_P1_14139_36300070	NC_021160.1	Ca_kabuli_chr01	36300070	TT	CC	1940139846
SNP_P1_14140_36300734	NC_021160.1	Ca_kabuli_chr01	36300734	CC	AA	1940139847
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SNP_P1_14144_36314252	NC_021160.1	Ca_kabuli_chr01	36314252	AA	GG	1940139851
SNP_P1_14145_36319209	NC_021160.1	Ca_kabuli_chr01	36319209	CC	TT	1940139852
SNP_P1_14146_36319226	NC_021160.1	Ca_kabuli_chr01	36319226	CC	TT	1940139853
SNP_P1_14147_36331922	NC_021160.1	Ca_kabuli_chr01	36331922	CC	TT	1940139854
SNP_P1_14148_36336095	NC_021160.1	Ca_kabuli_chr01	36336095	CC	AA	1940139855
SNP_P1_14149_36342208	NC_021160.1	Ca_kabuli_chr01	36342208	GG	TT	1940139856
SNP_P1_14150_36345661	NC_021160.1	Ca_kabuli_chr01	36345661	TT	AA	1940139857
SNP_P1_14151_36346239	NC_021160.1	Ca_kabuli_chr01	36346239	GG	AA	1940139858
SNP_P1_14152_36346299	NC_021160.1	Ca_kabuli_chr01	36346299	GG	AA	1940139859
SNP_P1_14153_36346640	NC_021160.1	Ca_kabuli_chr01	36346640	CC	TT	1940139860
SNP_P1_14155_36410091	NC_021160.1	Ca_kabuli_chr01	36410091	TT	GG	1940139861
SNP_P1_14156_36410221	NC_021160.1	Ca_kabuli_chr01	36410221	AA	GG	1940139862
SNP_P1_14160_36431914	NC_021160.1	Ca_kabuli_chr01	36431914	GG	AA	1940139863
SNP_P1_14161_36444698	NC_021160.1	Ca_kabuli_chr01	36444698	GG	CC	1940139865
SNP_P1_14162_36451158	NC_021160.1	Ca_kabuli_chr01	36451158	AA	GG	1940139866
SNP_P1_14163_36453467	NC_021160.1	Ca_kabuli_chr01	36453467	TT	AA	1940139867
SNP_P1_14164_36468201	NC_021160.1	Ca_kabuli_chr01	36468201	TT	CC	1940139868
SNP_P1_14165_36477863	NC_021160.1	Ca_kabuli_chr01	36477863	AA	GG	1940139869
SNP_P1_14166_36481796	NC_021160.1	Ca_kabuli_chr01	36481796	CC	TT	1940139870
SNP_P1_14167_36513913	NC_021160.1	Ca_kabuli_chr01	36513913	CC	TT	1940139871
SNP_P1_14168_36535600	NC_021160.1	Ca_kabuli_chr01	36535600	CC	TT	1940139872

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14170_36572256	NC_021160.1	Ca_kabuli_chr01	36572256	TT	CC	1940139874
SNP_P1_14171_36572403	NC_021160.1	Ca_kabuli_chr01	36572403	CC	TT	1940139875
SNP_P1_14172_36606160	NC_021160.1	Ca_kabuli_chr01	36606160	TT	CC	1940139876
SNP_P1_14173_36608739	NC_021160.1	Ca_kabuli_chr01	36608739	TT	GG	1940139877
SNP_P1_14175_36630372	NC_021160.1	Ca_kabuli_chr01	36630372	TT	CC	1940139878
SNP_P1_14176_36642427	NC_021160.1	Ca_kabuli_chr01	36642427	GG	TT	1940139879
SNP_P1_14177_36661127	NC_021160.1	Ca_kabuli_chr01	36661127	CC	TT	1940139880
SNP_P1_14178_36661470	NC_021160.1	Ca_kabuli_chr01	36661470	GG	AA	1940139881
SNP_P1_14179_36661471	NC_021160.1	Ca_kabuli_chr01	36661471	GG	AA	1940139882
SNP_P1_14180_36661673	NC_021160.1	Ca_kabuli_chr01	36661673	TT	AA	1940139883
SNP_P1_14181_36671994	NC_021160.1	Ca_kabuli_chr01	36671994	AA	GG	1940139884
SNP_P1_14182_36672042	NC_021160.1	Ca_kabuli_chr01	36672042	TT	CC	1940139885
SNP_P1_14183_36672054	NC_021160.1	Ca_kabuli_chr01	36672054	TT	GG	1940139886
SNP_P1_14184_36672699	NC_021160.1	Ca_kabuli_chr01	36672699	AA	GG	1940139887
SNP_P1_14185_36705552	NC_021160.1	Ca_kabuli_chr01	36705552	AA	GG	1940139888
SNP_P1_14186_36711602	NC_021160.1	Ca_kabuli_chr01	36711602	CC	TT	1940139889
SNP_P1_14187_36716787	NC_021160.1	Ca_kabuli_chr01	36716787	GG	AA	1940139890
SNP_P1_14188_36717123	NC_021160.1	Ca_kabuli_chr01	36717123	TT	CC	1940139891
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SNP_P1_14192_36720362	NC_021160.1	Ca_kabuli_chr01	36720362	CC	GG	1940139895
SNP_P1_14193_36720396	NC_021160.1	Ca_kabuli_chr01	36720396	GG	AA	1940139897
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SNP_P1_14196_36720676	NC_021160.1	Ca_kabuli_chr01	36720676	CC	TT	1940139900
SNP_P1_14197_36720726	NC_021160.1	Ca_kabuli_chr01	36720726	AA	TT	1940139901
SNP_P1_14198_36720753	NC_021160.1	Ca_kabuli_chr01	36720753	AA	GG	1940139902
SNP_P1_14199_36720797	NC_021160.1	Ca_kabuli_chr01	36720797	TT	CC	1940139903
SNP_P1_14200_36721516	NC_021160.1	Ca_kabuli_chr01	36721516	AA	GG	1940139904
SNP_P1_14201_36721673	NC_021160.1	Ca_kabuli_chr01	36721673	CC	TT	1940139905
SNP_P1_14202_36721753	NC_021160.1	Ca_kabuli_chr01	36721753	CC	TT	1940139906
SNP_P1_14203_36721905	NC_021160.1	Ca_kabuli_chr01	36721905	TT	CC	1940139907
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SNP_P1_14206_36724411	NC_021160.1	Ca_kabuli_chr01	36724411	TT	GG	1940139910
SNP_P1_14207_36724418	NC_021160.1	Ca_kabuli_chr01	36724418	GG	TT	1940139911
SNP_P1_14208_36724484	NC_021160.1	Ca_kabuli_chr01	36724484	CC	AA	1940139912
SNP_P1_14209_36724490	NC_021160.1	Ca_kabuli_chr01	36724490	TT	AA	1940139913
SNP_P1_14210_36724560	NC_021160.1	Ca_kabuli_chr01	36724560	GG	AA	1940139914
SNP_P1_14211_36724627	NC_021160.1	Ca_kabuli_chr01	36724627	AA	GG	1940139915

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14214_36724696	NC_021160.1	Ca_kabuli_chr01	36724696	GG	CC	1940139918
SNP_P1_14215_36724698	NC_021160.1	Ca_kabuli_chr01	36724698	TT	CC	1940139919
SNP_P1_14216_36724701	NC_021160.1	Ca_kabuli_chr01	36724701	CC	TT	1940139920
SNP_P1_14217_36724815	NC_021160.1	Ca_kabuli_chr01	36724815	GG	AA	1940139921
SNP_P1_14218_36724821	NC_021160.1	Ca_kabuli_chr01	36724821	GG	TT	1940139922
SNP_P1_14219_36724912	NC_021160.1	Ca_kabuli_chr01	36724912	AA	TT	1940139923
SNP_P1_14220_36725129	NC_021160.1	Ca_kabuli_chr01	36725129	TT	CC	1940139924
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SNP_P1_14222_36725211	NC_021160.1	Ca_kabuli_chr01	36725211	TT	CC	1940139926
SNP_P1_14223_36725374	NC_021160.1	Ca_kabuli_chr01	36725374	TT	GG	1940139927
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SNP_P1_14225_36725447	NC_021160.1	Ca_kabuli_chr01	36725447	GG	AA	1940139929
SNP_P1_14226_36725466	NC_021160.1	Ca_kabuli_chr01	36725466	AA	GG	1940139930
SNP_P1_14227_36725496	NC_021160.1	Ca_kabuli_chr01	36725496	TT	AA	1940139931
SNP_P1_14228_36725513	NC_021160.1	Ca_kabuli_chr01	36725513	CC	TT	1940139932
SNP_P1_14229_36725615	NC_021160.1	Ca_kabuli_chr01	36725615	CC	GG	1940139934
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SNP_P1_14232_36725829	NC_021160.1	Ca_kabuli_chr01	36725829	GG	CC	1940139937
SNP_P1_14233_36725879	NC_021160.1	Ca_kabuli_chr01	36725879	TT	AA	1940139938
SNP_P1_14234_36725954	NC_021160.1	Ca_kabuli_chr01	36725954	GG	TT	1940139939
SNP_P1_14235_36725986	NC_021160.1	Ca_kabuli_chr01	36725986	AA	GG	1940139940
SNP_P1_14236_36726109	NC_021160.1	Ca_kabuli_chr01	36726109	CC	TT	1940139941
SNP_P1_14237_36726144	NC_021160.1	Ca_kabuli_chr01	36726144	CC	TT	1940139942
SNP_P1_14238_36726147	NC_021160.1	Ca_kabuli_chr01	36726147	TT	CC	1940139943
SNP_P1_14239_36726178	NC_021160.1	Ca_kabuli_chr01	36726178	CC	AA	1940139944
SNP_P1_14240_36726188	NC_021160.1	Ca_kabuli_chr01	36726188	AA	CC	1940139945
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SNP_P1_14242_36726216	NC_021160.1	Ca_kabuli_chr01	36726216	CC	AA	1940139947
SNP_P1_14243_36726228	NC_021160.1	Ca_kabuli_chr01	36726228	AA	GG	1940139948
SNP_P1_14244_36726281	NC_021160.1	Ca_kabuli_chr01	36726281	AA	GG	1940139949
SNP_P1_14245_36726298	NC_021160.1	Ca_kabuli_chr01	36726298	TT	CC	1940139950
SNP_P1_14246_36726312	NC_021160.1	Ca_kabuli_chr01	36726312	AA	CC	1940139951
SNP_P1_14247_36726416	NC_021160.1	Ca_kabuli_chr01	36726416	CC	AA	1940139952
SNP_P1_14248_36726426	NC_021160.1	Ca_kabuli_chr01	36726426	CC	AA	1940139953
SNP_P1_14249_36726451	NC_021160.1	Ca_kabuli_chr01	36726451	TT	CC	1940139954
SNP_P1_14250_36726454	NC_021160.1	Ca_kabuli_chr01	36726454	AA	CC	1940139955
SNP_P1_14252_36726518	NC_021160.1	Ca_kabuli_chr01	36726518	AA	GG	1940139956
SNP_P1_14253_36726535	NC_021160.1	Ca_kabuli_chr01	36726535	CC	TT	1940139957
SNP_P1_14254_36726641	NC_021160.1	Ca_kabuli_chr01	36726641	GG	AA	1940139958

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14256_36726731	NC_021160.1	Ca_kabuli_chr01	36726731	TT	CC	1940139960
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SNP_P1_14259_36727840	NC_021160.1	Ca_kabuli_chr01	36727840	GG	AA	1940139962
SNP_P1_14260_36727843	NC_021160.1	Ca_kabuli_chr01	36727843	GG	CC	1940139963
SNP_P1_14261_36727911	NC_021160.1	Ca_kabuli_chr01	36727911	TT	CC	1940139964
SNP_P1_14262_36727949	NC_021160.1	Ca_kabuli_chr01	36727949	CC	GG	1940139965
SNP_P1_14263_36728056	NC_021160.1	Ca_kabuli_chr01	36728056	AA	CC	1940139966
SNP_P1_14264_36728086	NC_021160.1	Ca_kabuli_chr01	36728086	GG	TT	1940139967
SNP_P1_14265_36728148	NC_021160.1	Ca_kabuli_chr01	36728148	AA	GG	1940139968
SNP_P1_14266_36728207	NC_021160.1	Ca_kabuli_chr01	36728207	GG	AA	1940139969
SNP_P1_14267_36728235	NC_021160.1	Ca_kabuli_chr01	36728235	AA	TT	1940139970
SNP_P1_14269_36728412	NC_021160.1	Ca_kabuli_chr01	36728412	CC	TT	1940139971
SNP_P1_14270_36728519	NC_021160.1	Ca_kabuli_chr01	36728519	CC	TT	1940139972
SNP_P1_14271_36737930	NC_021160.1	Ca_kabuli_chr01	36737930	AA	GG	1940139974
SNP_P1_14272_36738279	NC_021160.1	Ca_kabuli_chr01	36738279	CC	AA	1940139975
SNP_P1_14273_36745815	NC_021160.1	Ca_kabuli_chr01	36745815	TT	CC	1940139976
SNP_P1_14274_36750034	NC_021160.1	Ca_kabuli_chr01	36750034	GG	TT	1940139977
SNP_P1_14275_36752243	NC_021160.1	Ca_kabuli_chr01	36752243	GG	AA	1940139978
SNP_P1_14276_36752268	NC_021160.1	Ca_kabuli_chr01	36752268	AA	GG	1940139979
SNP_P1_14277_36752304	NC_021160.1	Ca_kabuli_chr01	36752304	GG	AA	1940139980
SNP_P1_14278_36752315	NC_021160.1	Ca_kabuli_chr01	36752315	AA	GG	1940139981
SNP_P1_14279_36764824	NC_021160.1	Ca_kabuli_chr01	36764824	GG	AA	1940139982
SNP_P1_14280_36766013	NC_021160.1	Ca_kabuli_chr01	36766013	AA	GG	1940139983
SNP_P1_14281_36766234	NC_021160.1	Ca_kabuli_chr01	36766234	TT	CC	1940139984
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SNP_P1_14286_36791999	NC_021160.1	Ca_kabuli_chr01	36791999	TT	AA	1940139988
SNP_P1_14287_36794438	NC_021160.1	Ca_kabuli_chr01	36794438	AA	TT	1940139989
SNP_P1_14288_36794476	NC_021160.1	Ca_kabuli_chr01	36794476	GG	CC	1940139990
SNP_P1_14289_36795140	NC_021160.1	Ca_kabuli_chr01	36795140	AA	GG	1940139991
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SNP_P1_14291_36828010	NC_021160.1	Ca_kabuli_chr01	36828010	GG	AA	1940139993
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SNP_P1_14293_36842671	NC_021160.1	Ca_kabuli_chr01	36842671	CC	TT	1940139995
SNP_P1_14294_36842679	NC_021160.1	Ca_kabuli_chr01	36842679	GG	AA	1940139996
SNP_P1_14295_36846500	NC_021160.1	Ca_kabuli_chr01	36846500	CC	GG	1940139997
SNP_P1_14296_36846642	NC_021160.1	Ca_kabuli_chr01	36846642	CC	TT	1940139998
SNP_P1_14297_36846666	NC_021160.1	Ca_kabuli_chr01	36846666	TT	CC	1940139999
SNP_P1_14298_36846677	NC_021160.1	Ca_kabuli_chr01	36846677	TT	CC	1940140000
SNP_P1_14299_36848218	NC_021160.1	Ca_kabuli_chr01	36848218	TT	CC	1940140002

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14301_36869020	NC_021160.1	Ca_kabuli_chr01	36869020	AA	GG	1940140004
SNP_P1_14303_36869134	NC_021160.1	Ca_kabuli_chr01	36869134	GG	TT	1940140005
SNP_P1_14304_36869170	NC_021160.1	Ca_kabuli_chr01	36869170	TT	GG	1940140006
SNP_P1_14305_36869173	NC_021160.1	Ca_kabuli_chr01	36869173	AA	GG	1940140007
SNP_P1_14306_36869204	NC_021160.1	Ca_kabuli_chr01	36869204	TT	AA	1940140008
SNP_P1_14307_36869208	NC_021160.1	Ca_kabuli_chr01	36869208	TT	CC	1940140009
SNP_P1_14308_36869213	NC_021160.1	Ca_kabuli_chr01	36869213	GG	AA	1940140010
SNP_P1_14309_36869214	NC_021160.1	Ca_kabuli_chr01	36869214	TT	GG	1940140011
SNP_P1_14310_36869217	NC_021160.1	Ca_kabuli_chr01	36869217	AA	GG	1940140012
SNP_P1_14311_36869233	NC_021160.1	Ca_kabuli_chr01	36869233	CC	AA	1940140013
SNP_P1_14312_36869355	NC_021160.1	Ca_kabuli_chr01	36869355	GG	AA	1940140014
SNP_P1_14313_36876736	NC_021160.1	Ca_kabuli_chr01	36876736	AA	GG	1940140015
SNP_P1_14314_36876737	NC_021160.1	Ca_kabuli_chr01	36876737	AA	CC	1940140017
SNP_P1_14315_36876754	NC_021160.1	Ca_kabuli_chr01	36876754	TT	CC	1940140018
SNP_P1_14316_36876767	NC_021160.1	Ca_kabuli_chr01	36876767	TT	CC	1940140019
SNP_P1_14318_36876807	NC_021160.1	Ca_kabuli_chr01	36876807	TT	CC	1940140020
SNP_P1_14319_36876884	NC_021160.1	Ca_kabuli_chr01	36876884	CC	TT	1940140021
SNP_P1_14320_36876926	NC_021160.1	Ca_kabuli_chr01	36876926	GG	TT	1940140022
SNP_P1_14321_36896333	NC_021160.1	Ca_kabuli_chr01	36896333	AA	GG	1940140023
SNP_P1_14323_36897966	NC_021160.1	Ca_kabuli_chr01	36897966	TT	GG	1940140024
SNP_P1_14324_36900394	NC_021160.1	Ca_kabuli_chr01	36900394	AA	TT	1940140025
SNP_P1_14325_36923077	NC_021160.1	Ca_kabuli_chr01	36923077	GG	TT	1940140026
SNP_P1_14326_36949227	NC_021160.1	Ca_kabuli_chr01	36949227	TT	GG	1940140027
SNP_P1_14327_36949242	NC_021160.1	Ca_kabuli_chr01	36949242	TT	CC	1940140028
SNP_P1_14328_36950089	NC_021160.1	Ca_kabuli_chr01	36950089	AA	CC	1940140029
SNP_P1_14329_36950102	NC_021160.1	Ca_kabuli_chr01	36950102	AA	GG	1940140030
SNP_P1_14330_36950113	NC_021160.1	Ca_kabuli_chr01	36950113	GG	TT	1940140031
SNP_P1_14331_36950132	NC_021160.1	Ca_kabuli_chr01	36950132	AA	GG	1940140033
SNP_P1_14332_36950139	NC_021160.1	Ca_kabuli_chr01	36950139	TT	CC	1940140034
SNP_P1_14333_36950141	NC_021160.1	Ca_kabuli_chr01	36950141	CC	GG	1940140035
SNP_P1_14334_36950145	NC_021160.1	Ca_kabuli_chr01	36950145	AA	TT	1940140036
SNP_P1_14335_36950146	NC_021160.1	Ca_kabuli_chr01	36950146	CC	GG	1940140037
SNP_P1_14336_36950150	NC_021160.1	Ca_kabuli_chr01	36950150	CC	GG	1940140038
SNP_P1_14337_36950222	NC_021160.1	Ca_kabuli_chr01	36950222	CC	TT	1940140039
SNP_P1_14338_36950225	NC_021160.1	Ca_kabuli_chr01	36950225	TT	GG	1940140040
SNP_P1_14339_36950240	NC_021160.1	Ca_kabuli_chr01	36950240	CC	TT	1940140041
SNP_P1_14340_36950252	NC_021160.1	Ca_kabuli_chr01	36950252	GG	AA	1940140042
SNP_P1_14341_36950290	NC_021160.1	Ca_kabuli_chr01	36950290	TT	CC	1940140043
SNP_P1_14342_36950600	NC_021160.1	Ca_kabuli_chr01	36950600	TT	GG	1940140044
SNP_P1_14343_36953107	NC_021160.1	Ca_kabuli_chr01	36953107	GG	AA	1940140045
SNP_P1_14344_36987424	NC_021160.1	Ca_kabuli_chr01	36987424	AA	TT	1940140046

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14348_37032712	NC_021160.1	Ca_kabuli_chr01	37032712	TT	GG	1940140049
SNP_P1_14349_37034301	NC_021160.1	Ca_kabuli_chr01	37034301	AA	GG	1940140050
SNP_P1_14350_37034315	NC_021160.1	Ca_kabuli_chr01	37034315	AA	CC	1940140051
SNP_P1_14352_37034687	NC_021160.1	Ca_kabuli_chr01	37034687	TT	AA	1940140052
SNP_P1_14353_37034783	NC_021160.1	Ca_kabuli_chr01	37034783	CC	AA	1940140053
SNP_P1_14354_37037004	NC_021160.1	Ca_kabuli_chr01	37037004	AA	GG	1940140054
SNP_P1_14355_37037162	NC_021160.1	Ca_kabuli_chr01	37037162	AA	GG	1940140055
SNP_P1_14356_37037862	NC_021160.1	Ca_kabuli_chr01	37037862	TT	CC	1940140056
SNP_P1_14357_37038141	NC_021160.1	Ca_kabuli_chr01	37038141	CC	GG	1940140057
SNP_P1_14358_37042806	NC_021160.1	Ca_kabuli_chr01	37042806	CC	TT	1940140058
SNP_P1_14359_37043198	NC_021160.1	Ca_kabuli_chr01	37043198	CC	TT	1940140059
SNP_P1_14360_37050927	NC_021160.1	Ca_kabuli_chr01	37050927	TT	CC	1940140060
SNP_P1_14361_37050940	NC_021160.1	Ca_kabuli_chr01	37050940	TT	CC	1940140061
SNP_P1_14362_37051242	NC_021160.1	Ca_kabuli_chr01	37051242	TT	AA	1940140062
SNP_P1_14363_37054604	NC_021160.1	Ca_kabuli_chr01	37054604	GG	AA	1940140063
SNP_P1_14364_37054623	NC_021160.1	Ca_kabuli_chr01	37054623	CC	AA	1940140064
SNP_P1_14365_37054693	NC_021160.1	Ca_kabuli_chr01	37054693	TT	CC	1940140065
SNP_P1_14366_37054956	NC_021160.1	Ca_kabuli_chr01	37054956	CC	TT	1940140066
SNP_P1_14367_37054965	NC_021160.1	Ca_kabuli_chr01	37054965	GG	AA	1940140067
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SNP_P1_14371_37055062	NC_021160.1	Ca_kabuli_chr01	37055062	CC	TT	1940140072
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SNP_P1_14374_37078251	NC_021160.1	Ca_kabuli_chr01	37078251	GG	AA	1940140074
SNP_P1_14375_37078260	NC_021160.1	Ca_kabuli_chr01	37078260	CC	AA	1940140075
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SNP_P1_14378_37078520	NC_021160.1	Ca_kabuli_chr01	37078520	CC	TT	1940140077
SNP_P1_14379_37078526	NC_021160.1	Ca_kabuli_chr01	37078526	GG	AA	1940140078
SNP_P1_14380_37078539	NC_021160.1	Ca_kabuli_chr01	37078539	TT	CC	1940140079
SNP_P1_14381_37078592	NC_021160.1	Ca_kabuli_chr01	37078592	TT	GG	1940140080
SNP_P1_14382_37078596	NC_021160.1	Ca_kabuli_chr01	37078596	GG	AA	1940140081
SNP_P1_14383_37078606	NC_021160.1	Ca_kabuli_chr01	37078606	TT	GG	1940140082
SNP_P1_14384_37078640	NC_021160.1	Ca_kabuli_chr01	37078640	CC	TT	1940140083
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SNP_P1_14386_37078668	NC_021160.1	Ca_kabuli_chr01	37078668	AA	GG	1940140085
SNP_P1_14387_37078718	NC_021160.1	Ca_kabuli_chr01	37078718	CC	AA	1940140086
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SNP_P1_14389_37078784	NC_021160.1	Ca_kabuli_chr01	37078784	AA	TT	1940140088
SNP_P1_14390_37078790	NC_021160.1	Ca_kabuli_chr01	37078790	AA	GG	1940140089
SNP_P1_14391_37078851	NC_021160.1	Ca_kabuli_chr01	37078851	TT	CC	1940140090

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14395_37079023	NC_021160.1	Ca_kabuli_chr01	37079023	TT	CC	1940140093
SNP_P1_14396_37079031	NC_021160.1	Ca_kabuli_chr01	37079031	AA	CC	1940140094
SNP_P1_14397_37079038	NC_021160.1	Ca_kabuli_chr01	37079038	CC	GG	1940140095
SNP_P1_14398_37079090	NC_021160.1	Ca_kabuli_chr01	37079090	AA	TT	1940140096
SNP_P1_14399_37079093	NC_021160.1	Ca_kabuli_chr01	37079093	CC	TT	1940140097
SNP_P1_14400_37079115	NC_021160.1	Ca_kabuli_chr01	37079115	AA	GG	1940140098
SNP_P1_14401_37079208	NC_021160.1	Ca_kabuli_chr01	37079208	AA	TT	1940140099
SNP_P1_14402_37079218	NC_021160.1	Ca_kabuli_chr01	37079218	AA	CC	1940140100
SNP_P1_14403_37079395	NC_021160.1	Ca_kabuli_chr01	37079395	GG	AA	1940140101
SNP_P1_14404_37081578	NC_021160.1	Ca_kabuli_chr01	37081578	GG	CC	1940140103
SNP_P1_14405_37081631	NC_021160.1	Ca_kabuli_chr01	37081631	CC	TT	1940140104
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SNP_P1_14409_37082115	NC_021160.1	Ca_kabuli_chr01	37082115	TT	CC	1940140108
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SNP_P1_14413_37106204	NC_021160.1	Ca_kabuli_chr01	37106204	GG	TT	1940140111
SNP_P1_14414_37112638	NC_021160.1	Ca_kabuli_chr01	37112638	AA	GG	1940140112
SNP_P1_14415_37112912	NC_021160.1	Ca_kabuli_chr01	37112912	AA	GG	1940140113
SNP_P1_14416_37113269	NC_021160.1	Ca_kabuli_chr01	37113269	AA	TT	1940140114
SNP_P1_14417_37120760	NC_021160.1	Ca_kabuli_chr01	37120760	TT	AA	1940140115
SNP_P1_14418_37120833	NC_021160.1	Ca_kabuli_chr01	37120833	AA	CC	1940140116
SNP_P1_14419_37120844	NC_021160.1	Ca_kabuli_chr01	37120844	GG	TT	1940140117
SNP_P1_14420_37120867	NC_021160.1	Ca_kabuli_chr01	37120867	TT	AA	1940140118
SNP_P1_14421_37120925	NC_021160.1	Ca_kabuli_chr01	37120925	AA	GG	1940140119
SNP_P1_14422_37120966	NC_021160.1	Ca_kabuli_chr01	37120966	AA	GG	1940140120
SNP_P1_14423_37120967	NC_021160.1	Ca_kabuli_chr01	37120967	TT	GG	1940140121
SNP_P1_14424_37121059	NC_021160.1	Ca_kabuli_chr01	37121059	AA	GG	1940140122
SNP_P1_14425_37121094	NC_021160.1	Ca_kabuli_chr01	37121094	TT	CC	1940140123
SNP_P1_14426_37121100	NC_021160.1	Ca_kabuli_chr01	37121100	GG	AA	1940140124
SNP_P1_14427_37121121	NC_021160.1	Ca_kabuli_chr01	37121121	TT	CC	1940140125
SNP_P1_14428_37121152	NC_021160.1	Ca_kabuli_chr01	37121152	GG	AA	1940140126
SNP_P1_14429_37121213	NC_021160.1	Ca_kabuli_chr01	37121213	TT	AA	1940140127
SNP_P1_14430_37121228	NC_021160.1	Ca_kabuli_chr01	37121228	GG	AA	1940140128
SNP_P1_14431_37121360	NC_021160.1	Ca_kabuli_chr01	37121360	AA	GG	1940140129
SNP_P1_14432_37121548	NC_021160.1	Ca_kabuli_chr01	37121548	CC	TT	1940140130
SNP_P1_14433_37121638	NC_021160.1	Ca_kabuli_chr01	37121638	TT	AA	1940140131
SNP_P1_14434_37121663	NC_021160.1	Ca_kabuli_chr01	37121663	GG	AA	1940140132
SNP_P1_14435_37121682	NC_021160.1	Ca_kabuli_chr01	37121682	TT	CC	1940140133

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14437_37121762	NC_021160.1	Ca_kabuli_chr01	37121762	TT	CC	1940140136
SNP_P1_14438_37121830	NC_021160.1	Ca_kabuli_chr01	37121830	CC	TT	1940140137
SNP_P1_14439_37121835	NC_021160.1	Ca_kabuli_chr01	37121835	CC	AA	1940140138
SNP_P1_14440_37121858	NC_021160.1	Ca_kabuli_chr01	37121858	TT	CC	1940140139
SNP_P1_14441_37121872	NC_021160.1	Ca_kabuli_chr01	37121872	GG	AA	1940140140
SNP_P1_14442_37121893	NC_021160.1	Ca_kabuli_chr01	37121893	GG	AA	1940140141
SNP_P1_14443_37121901	NC_021160.1	Ca_kabuli_chr01	37121901	AA	GG	1940140142
SNP_P1_14444_37121996	NC_021160.1	Ca_kabuli_chr01	37121996	TT	CC	1940140143
SNP_P1_14447_37122241	NC_021160.1	Ca_kabuli_chr01	37122241	CC	TT	1940140144
SNP_P1_14448_37122245	NC_021160.1	Ca_kabuli_chr01	37122245	AA	CC	1940140145
SNP_P1_14449_37122252	NC_021160.1	Ca_kabuli_chr01	37122252	CC	TT	1940140146
SNP_P1_14450_37122254	NC_021160.1	Ca_kabuli_chr01	37122254	AA	TT	1940140147
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SNP_P1_14452_37122355	NC_021160.1	Ca_kabuli_chr01	37122355	GG	AA	1940140149
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SNP_P1_14454_37122479	NC_021160.1	Ca_kabuli_chr01	37122479	TT	AA	1940140151
SNP_P1_14456_37122545	NC_021160.1	Ca_kabuli_chr01	37122545	GG	AA	1940140152
SNP_P1_14457_37122670	NC_021160.1	Ca_kabuli_chr01	37122670	AA	TT	1940140153
SNP_P1_14458_37122693	NC_021160.1	Ca_kabuli_chr01	37122693	AA	GG	1940140154
SNP_P1_14460_37122755	NC_021160.1	Ca_kabuli_chr01	37122755	TT	GG	1940140155
SNP_P1_14461_37122764	NC_021160.1	Ca_kabuli_chr01	37122764	TT	CC	1940140156
SNP_P1_14462_37122782	NC_021160.1	Ca_kabuli_chr01	37122782	CC	TT	1940140157
SNP_P1_14463_37122783	NC_021160.1	Ca_kabuli_chr01	37122783	GG	AA	1940140158
SNP_P1_14464_37122797	NC_021160.1	Ca_kabuli_chr01	37122797	CC	TT	1940140159
SNP_P1_14466_37122886	NC_021160.1	Ca_kabuli_chr01	37122886	GG	AA	1940140160
SNP_P1_14467_37122903	NC_021160.1	Ca_kabuli_chr01	37122903	TT	CC	1940140161
SNP_P1_14468_37122921	NC_021160.1	Ca_kabuli_chr01	37122921	AA	GG	1940140162
SNP_P1_14469_37122932	NC_021160.1	Ca_kabuli_chr01	37122932	AA	GG	1940140164
SNP_P1_14470_37122983	NC_021160.1	Ca_kabuli_chr01	37122983	TT	CC	1940140165
SNP_P1_14471_37122986	NC_021160.1	Ca_kabuli_chr01	37122986	GG	TT	1940140166
SNP_P1_14472_37122993	NC_021160.1	Ca_kabuli_chr01	37122993	GG	AA	1940140167
SNP_P1_14473_37123014	NC_021160.1	Ca_kabuli_chr01	37123014	TT	CC	1940140168
SNP_P1_14474_37123110	NC_021160.1	Ca_kabuli_chr01	37123110	AA	TT	1940140169
SNP_P1_14476_37126557	NC_021160.1	Ca_kabuli_chr01	37126557	GG	AA	1940140170
SNP_P1_14477_37128375	NC_021160.1	Ca_kabuli_chr01	37128375	CC	TT	1940140171
SNP_P1_14479_37128656	NC_021160.1	Ca_kabuli_chr01	37128656	TT	AA	1940140172
SNP_P1_14480_37128762	NC_021160.1	Ca_kabuli_chr01	37128762	AA	TT	1940140173
SNP_P1_14481_37128771	NC_021160.1	Ca_kabuli_chr01	37128771	TT	CC	1940140174
SNP_P1_14482_37128912	NC_021160.1	Ca_kabuli_chr01	37128912	AA	TT	1940140175
SNP_P1_14483_37128921	NC_021160.1	Ca_kabuli_chr01	37128921	AA	CC	1940140176
SNP_P1_14484_37128931	NC_021160.1	Ca_kabuli_chr01	37128931	TT	CC	1940140177

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14488_37129151	NC_021160.1	Ca_kabuli_chr01	37129151	GG	AA	1940140180
SNP_P1_14489_37130856	NC_021160.1	Ca_kabuli_chr01	37130856	TT	AA	1940140181
SNP_P1_14490_37133309	NC_021160.1	Ca_kabuli_chr01	37133309	AA	GG	1940140182
SNP_P1_14491_37133339	NC_021160.1	Ca_kabuli_chr01	37133339	AA	TT	1940140183
SNP_P1_14492_37157041	NC_021160.1	Ca_kabuli_chr01	37157041	GG	TT	1940140184
SNP_P1_14493_37157298	NC_021160.1	Ca_kabuli_chr01	37157298	TT	CC	1940140185
SNP_P1_14494_37157493	NC_021160.1	Ca_kabuli_chr01	37157493	AA	GG	1940140186
SNP_P1_14495_37170703	NC_021160.1	Ca_kabuli_chr01	37170703	TT	CC	1940140187
SNP_P1_14496_37176072	NC_021160.1	Ca_kabuli_chr01	37176072	AA	TT	1940140188
SNP_P1_14497_37176084	NC_021160.1	Ca_kabuli_chr01	37176084	GG	AA	1940140189
SNP_P1_14498_37176435	NC_021160.1	Ca_kabuli_chr01	37176435	GG	AA	1940140190
SNP_P1_14499_37183863	NC_021160.1	Ca_kabuli_chr01	37183863	GG	AA	1940140191
SNP_P1_14500_37190446	NC_021160.1	Ca_kabuli_chr01	37190446	TT	CC	1940140192
SNP_P1_14501_37196816	NC_021160.1	Ca_kabuli_chr01	37196816	TT	GG	1940140193
SNP_P1_14502_37196819	NC_021160.1	Ca_kabuli_chr01	37196819	GG	TT	1940140194
SNP_P1_14503_37197508	NC_021160.1	Ca_kabuli_chr01	37197508	GG	TT	1940140195
SNP_P1_14505_37201216	NC_021160.1	Ca_kabuli_chr01	37201216	GG	AA	1940140196
SNP_P1_14506_37207258	NC_021160.1	Ca_kabuli_chr01	37207258	AA	TT	1940140197
SNP_P1_14507_37216257	NC_021160.1	Ca_kabuli_chr01	37216257	AA	CC	1940140198
SNP_P1_14508_37242818	NC_021160.1	Ca_kabuli_chr01	37242818	GG	TT	1940140199
SNP_P1_14510_37243095	NC_021160.1	Ca_kabuli_chr01	37243095	AA	GG	1940140201
SNP_P1_14511_37243562	NC_021160.1	Ca_kabuli_chr01	37243562	TT	CC	1940140202
SNP_P1_14512_37245423	NC_021160.1	Ca_kabuli_chr01	37245423	CC	TT	1940140203
SNP_P1_14513_37245650	NC_021160.1	Ca_kabuli_chr01	37245650	TT	CC	1940140204
SNP_P1_14514_37245692	NC_021160.1	Ca_kabuli_chr01	37245692	TT	GG	1940140205
SNP_P1_14515_37245697	NC_021160.1	Ca_kabuli_chr01	37245697	TT	AA	1940140206
SNP_P1_14516_37245748	NC_021160.1	Ca_kabuli_chr01	37245748	TT	CC	1940140207
SNP_P1_14517_37245897	NC_021160.1	Ca_kabuli_chr01	37245897	CC	AA	1940140208
SNP_P1_14518_37249695	NC_021160.1	Ca_kabuli_chr01	37249695	AA	GG	1940140209
SNP_P1_14519_37250078	NC_021160.1	Ca_kabuli_chr01	37250078	CC	AA	1940140210
SNP_P1_14520_37251834	NC_021160.1	Ca_kabuli_chr01	37251834	GG	CC	1940140211
SNP_P1_14521_37253491	NC_021160.1	Ca_kabuli_chr01	37253491	AA	GG	1940140212
SNP_P1_14523_37260390	NC_021160.1	Ca_kabuli_chr01	37260390	AA	CC	1940140213
SNP_P1_14524_37260406	NC_021160.1	Ca_kabuli_chr01	37260406	AA	GG	1940140214
SNP_P1_14525_37260407	NC_021160.1	Ca_kabuli_chr01	37260407	AA	GG	1940140215
SNP_P1_14526_37260408	NC_021160.1	Ca_kabuli_chr01	37260408	TT	AA	1940140216
SNP_P1_14527_37260439	NC_021160.1	Ca_kabuli_chr01	37260439	TT	CC	1940140217
SNP_P1_14528_37260459	NC_021160.1	Ca_kabuli_chr01	37260459	AA	GG	1940140218
SNP_P1_14529_37260460	NC_021160.1	Ca_kabuli_chr01	37260460	TT	AA	1940140219
SNP_P1_14530_37260524	NC_021160.1	Ca_kabuli_chr01	37260524	AA	TT	1940140220

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14532_37347810	NC_021160.1	Ca_kabuli_chr01	37347810	TT	AA	1940140222
SNP_P1_14533_37350597	NC_021160.1	Ca_kabuli_chr01	37350597	CC	TT	1940140223
SNP_P1_14534_37352510	NC_021160.1	Ca_kabuli_chr01	37352510	GG	AA	1940140224
SNP_P1_14535_37353715	NC_021160.1	Ca_kabuli_chr01	37353715	TT	CC	1940140225
SNP_P1_14536_37353749	NC_021160.1	Ca_kabuli_chr01	37353749	TT	CC	1940140226
SNP_P1_14537_37353807	NC_021160.1	Ca_kabuli_chr01	37353807	TT	GG	1940140227
SNP_P1_14538_37362774	NC_021160.1	Ca_kabuli_chr01	37362774	TT	CC	1940140228
SNP_P1_14542_37391919	NC_021160.1	Ca_kabuli_chr01	37391919	TT	CC	1940140229
SNP_P1_14543_37392862	NC_021160.1	Ca_kabuli_chr01	37392862	AA	TT	1940140230
SNP_P1_14544_37406056	NC_021160.1	Ca_kabuli_chr01	37406056	TT	CC	1940140231
SNP_P1_14545_37406232	NC_021160.1	Ca_kabuli_chr01	37406232	AA	CC	1940140232
SNP_P1_14546_37406323	NC_021160.1	Ca_kabuli_chr01	37406323	TT	CC	1940140233
SNP_P1_14547_37406352	NC_021160.1	Ca_kabuli_chr01	37406352	TT	CC	1940140234
SNP_P1_14548_37406566	NC_021160.1	Ca_kabuli_chr01	37406566	CC	TT	1940140235
SNP_P1_14549_37406575	NC_021160.1	Ca_kabuli_chr01	37406575	TT	AA	1940140236
SNP_P1_14550_37406586	NC_021160.1	Ca_kabuli_chr01	37406586	TT	CC	1940140237
SNP_P1_14551_37406623	NC_021160.1	Ca_kabuli_chr01	37406623	GG	AA	1940140238
SNP_P1_14552_37406624	NC_021160.1	Ca_kabuli_chr01	37406624	CC	TT	1940140239
SNP_P1_14553_37409727	NC_021160.1	Ca_kabuli_chr01	37409727	TT	GG	1940140240
SNP_P1_14554_37409796	NC_021160.1	Ca_kabuli_chr01	37409796	GG	AA	1940140241
SNP_P1_14555_37409823	NC_021160.1	Ca_kabuli_chr01	37409823	GG	AA	1940140242
SNP_P1_14556_37409842	NC_021160.1	Ca_kabuli_chr01	37409842	GG	AA	1940140243
SNP_P1_14557_37409886	NC_021160.1	Ca_kabuli_chr01	37409886	GG	AA	1940140244
SNP_P1_14558_37409892	NC_021160.1	Ca_kabuli_chr01	37409892	GG	TT	1940140245
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SNP_P1_14560_37409960	NC_021160.1	Ca_kabuli_chr01	37409960	TT	CC	1940140247
SNP_P1_14561_37409983	NC_021160.1	Ca_kabuli_chr01	37409983	AA	GG	1940140248
SNP_P1_14562_37410020	NC_021160.1	Ca_kabuli_chr01	37410020	TT	CC	1940140249
SNP_P1_14563_37410040	NC_021160.1	Ca_kabuli_chr01	37410040	TT	CC	1940140250
SNP_P1_14564_37410061	NC_021160.1	Ca_kabuli_chr01	37410061	GG	AA	1940140251
SNP_P1_14565_37410106	NC_021160.1	Ca_kabuli_chr01	37410106	AA	GG	1940140252
SNP_P1_14566_37410115	NC_021160.1	Ca_kabuli_chr01	37410115	TT	CC	1940140254
SNP_P1_14567_37410117	NC_021160.1	Ca_kabuli_chr01	37410117	AA	GG	1940140255
SNP_P1_14568_37410118	NC_021160.1	Ca_kabuli_chr01	37410118	TT	AA	1940140256
SNP_P1_14569_37410140	NC_021160.1	Ca_kabuli_chr01	37410140	GG	AA	1940140257
SNP_P1_14570_37410145	NC_021160.1	Ca_kabuli_chr01	37410145	GG	TT	1940140258
SNP_P1_14571_37410194	NC_021160.1	Ca_kabuli_chr01	37410194	AA	GG	1940140259
SNP_P1_14572_37410203	NC_021160.1	Ca_kabuli_chr01	37410203	GG	AA	1940140260
SNP_P1_14573_37410247	NC_021160.1	Ca_kabuli_chr01	37410247	TT	GG	1940140261
SNP_P1_14574_37410269	NC_021160.1	Ca_kabuli_chr01	37410269	TT	CC	1940140262
SNP_P1_14575_37410277	NC_021160.1	Ca_kabuli_chr01	37410277	GG	CC	1940140263

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14577_37410355	NC_021160.1	Ca_kabuli_chr01	37410355	AA	GG	1940140265
SNP_P1_14579_37410514	NC_021160.1	Ca_kabuli_chr01	37410514	GG	TT	1940140266
SNP_P1_14580_37411891	NC_021160.1	Ca_kabuli_chr01	37411891	TT	CC	1940140267
SNP_P1_14581_37411921	NC_021160.1	Ca_kabuli_chr01	37411921	AA	CC	1940140268
SNP_P1_14582_37411929	NC_021160.1	Ca_kabuli_chr01	37411929	TT	CC	1940140269
SNP_P1_14583_37412205	NC_021160.1	Ca_kabuli_chr01	37412205	CC	AA	1940140270
SNP_P1_14585_37412352	NC_021160.1	Ca_kabuli_chr01	37412352	CC	AA	1940140271
SNP_P1_14586_37412443	NC_021160.1	Ca_kabuli_chr01	37412443	TT	GG	1940140272
SNP_P1_14587_37419467	NC_021160.1	Ca_kabuli_chr01	37419467	AA	GG	1940140273
SNP_P1_14588_37419739	NC_021160.1	Ca_kabuli_chr01	37419739	AA	GG	1940140274
SNP_P1_14589_37420129	NC_021160.1	Ca_kabuli_chr01	37420129	TT	CC	1940140275
SNP_P1_14590_37420247	NC_021160.1	Ca_kabuli_chr01	37420247	GG	TT	1940140276
SNP_P1_14591_37420266	NC_021160.1	Ca_kabuli_chr01	37420266	AA	CC	1940140277
SNP_P1_14592_37420372	NC_021160.1	Ca_kabuli_chr01	37420372	AA	TT	1940140278
SNP_P1_14594_37420521	NC_021160.1	Ca_kabuli_chr01	37420521	CC	AA	1940140279
SNP_P1_14595_37420570	NC_021160.1	Ca_kabuli_chr01	37420570	TT	GG	1940140280
SNP_P1_14597_37420606	NC_021160.1	Ca_kabuli_chr01	37420606	GG	AA	1940140281
SNP_P1_14598_37420696	NC_021160.1	Ca_kabuli_chr01	37420696	GG	AA	1940140282
SNP_P1_14599_37420697	NC_021160.1	Ca_kabuli_chr01	37420697	GG	AA	1940140283
SNP_P1_14600_37420702	NC_021160.1	Ca_kabuli_chr01	37420702	CC	TT	1940140284
SNP_P1_14602_37420755	NC_021160.1	Ca_kabuli_chr01	37420755	GG	CC	1940140285
SNP_P1_14603_37421049	NC_021160.1	Ca_kabuli_chr01	37421049	AA	CC	1940140286
SNP_P1_14604_37421055	NC_021160.1	Ca_kabuli_chr01	37421055	AA	CC	1940140287
SNP_P1_14606_37421134	NC_021160.1	Ca_kabuli_chr01	37421134	GG	AA	1940140288
SNP_P1_14607_37422166	NC_021160.1	Ca_kabuli_chr01	37422166	TT	CC	1940140289
SNP_P1_14608_37422380	NC_021160.1	Ca_kabuli_chr01	37422380	TT	AA	1940140291
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SNP_P1_14610_37422473	NC_021160.1	Ca_kabuli_chr01	37422473	GG	AA	1940140293
SNP_P1_14611_37422561	NC_021160.1	Ca_kabuli_chr01	37422561	AA	TT	1940140294
SNP_P1_14612_37422569	NC_021160.1	Ca_kabuli_chr01	37422569	AA	TT	1940140295
SNP_P1_14613_37422583	NC_021160.1	Ca_kabuli_chr01	37422583	TT	AA	1940140296
SNP_P1_14614_37422692	NC_021160.1	Ca_kabuli_chr01	37422692	CC	TT	1940140297
SNP_P1_14615_37422872	NC_021160.1	Ca_kabuli_chr01	37422872	AA	GG	1940140298
SNP_P1_14616_37422966	NC_021160.1	Ca_kabuli_chr01	37422966	TT	AA	1940140299
SNP_P1_14617_37422996	NC_021160.1	Ca_kabuli_chr01	37422996	CC	GG	1940140300
SNP_P1_14618_37423041	NC_021160.1	Ca_kabuli_chr01	37423041	TT	CC	1940140301
SNP_P1_14619_37423112	NC_021160.1	Ca_kabuli_chr01	37423112	CC	AA	1940140302
SNP_P1_14620_37423210	NC_021160.1	Ca_kabuli_chr01	37423210	TT	CC	1940140303
SNP_P1_14621_37424235	NC_021160.1	Ca_kabuli_chr01	37424235	TT	GG	1940140304
SNP_P1_14622_37424240	NC_021160.1	Ca_kabuli_chr01	37424240	CC	TT	1940140305
SNP_P1_14624_37424379	NC_021160.1	Ca_kabuli_chr01	37424379	TT	CC	1940140306

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14627_37424486	NC_021160.1	Ca_kabuli_chr01	37424486	CC	GG	1940140310
SNP_P1_14628_37424513	NC_021160.1	Ca_kabuli_chr01	37424513	TT	GG	1940140311
SNP_P1_14629_37424550	NC_021160.1	Ca_kabuli_chr01	37424550	CC	TT	1940140312
SNP_P1_14630_37424582	NC_021160.1	Ca_kabuli_chr01	37424582	GG	TT	1940140313
SNP_P1_14631_37424592	NC_021160.1	Ca_kabuli_chr01	37424592	TT	CC	1940140314
SNP_P1_14632_37424599	NC_021160.1	Ca_kabuli_chr01	37424599	TT	GG	1940140315
SNP_P1_14633_37424646	NC_021160.1	Ca_kabuli_chr01	37424646	AA	GG	1940140316
SNP_P1_14635_37424797	NC_021160.1	Ca_kabuli_chr01	37424797	TT	GG	1940140317
SNP_P1_14636_37424857	NC_021160.1	Ca_kabuli_chr01	37424857	CC	TT	1940140318
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SNP_P1_14638_37424903	NC_021160.1	Ca_kabuli_chr01	37424903	GG	AA	1940140320
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SNP_P1_14641_37424995	NC_021160.1	Ca_kabuli_chr01	37424995	AA	GG	1940140322
SNP_P1_14642_37425011	NC_021160.1	Ca_kabuli_chr01	37425011	AA	GG	1940140323
SNP_P1_14643_37425061	NC_021160.1	Ca_kabuli_chr01	37425061	TT	GG	1940140324
SNP_P1_14644_37425092	NC_021160.1	Ca_kabuli_chr01	37425092	CC	TT	1940140325
SNP_P1_14646_37425240	NC_021160.1	Ca_kabuli_chr01	37425240	TT	GG	1940140326
SNP_P1_14647_37425536	NC_021160.1	Ca_kabuli_chr01	37425536	CC	AA	1940140327
SNP_P1_14648_37425559	NC_021160.1	Ca_kabuli_chr01	37425559	TT	GG	1940140329
SNP_P1_14649_37425566	NC_021160.1	Ca_kabuli_chr01	37425566	CC	TT	1940140330
SNP_P1_14650_37425577	NC_021160.1	Ca_kabuli_chr01	37425577	AA	GG	1940140331
SNP_P1_14652_37425690	NC_021160.1	Ca_kabuli_chr01	37425690	TT	CC	1940140332
SNP_P1_14653_37426467	NC_021160.1	Ca_kabuli_chr01	37426467	TT	CC	1940140333
SNP_P1_14654_37426517	NC_021160.1	Ca_kabuli_chr01	37426517	AA	CC	1940140334
SNP_P1_14656_37426557	NC_021160.1	Ca_kabuli_chr01	37426557	AA	TT	1940140335
SNP_P1_14657_37432797	NC_021160.1	Ca_kabuli_chr01	37432797	GG	TT	1940140336
SNP_P1_14658_37433005	NC_021160.1	Ca_kabuli_chr01	37433005	AA	TT	1940140337
SNP_P1_14659_37433074	NC_021160.1	Ca_kabuli_chr01	37433074	TT	CC	1940140338
SNP_P1_14660_37433112	NC_021160.1	Ca_kabuli_chr01	37433112	TT	AA	1940140339
SNP_P1_14661_37433340	NC_021160.1	Ca_kabuli_chr01	37433340	TT	AA	1940140340
SNP_P1_14662_37433354	NC_021160.1	Ca_kabuli_chr01	37433354	CC	TT	1940140341
SNP_P1_14664_37433394	NC_021160.1	Ca_kabuli_chr01	37433394	CC	AA	1940140342
SNP_P1_14665_37433505	NC_021160.1	Ca_kabuli_chr01	37433505	TT	CC	1940140343
SNP_P1_14667_37433622	NC_021160.1	Ca_kabuli_chr01	37433622	CC	TT	1940140345
SNP_P1_14668_37433639	NC_021160.1	Ca_kabuli_chr01	37433639	AA	GG	1940140346
SNP_P1_14669_37433751	NC_021160.1	Ca_kabuli_chr01	37433751	GG	TT	1940140347
SNP_P1_14670_37446163	NC_021160.1	Ca_kabuli_chr01	37446163	GG	AA	1940140348
SNP_P1_14671_37450161	NC_021160.1	Ca_kabuli_chr01	37450161	CC	GG	1940140349
SNP_P1_14672_37450211	NC_021160.1	Ca_kabuli_chr01	37450211	CC	TT	1940140350
SNP_P1_14673_37450284	NC_021160.1	Ca_kabuli_chr01	37450284	GG	CC	1940140351

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14676_37450558	NC_021160.1	Ca_kabuli_chr01	37450558	AA	CC	1940140354
SNP_P1_14677_37450596	NC_021160.1	Ca_kabuli_chr01	37450596	CC	TT	1940140355
SNP_P1_14678_37450636	NC_021160.1	Ca_kabuli_chr01	37450636	GG	CC	1940140356
SNP_P1_14679_37450647	NC_021160.1	Ca_kabuli_chr01	37450647	AA	CC	1940140357
SNP_P1_14680_37450648	NC_021160.1	Ca_kabuli_chr01	37450648	CC	AA	1940140358
SNP_P1_14681_37450660	NC_021160.1	Ca_kabuli_chr01	37450660	GG	TT	1940140359
SNP_P1_14682_37450706	NC_021160.1	Ca_kabuli_chr01	37450706	CC	TT	1940140360
SNP_P1_14683_37450734	NC_021160.1	Ca_kabuli_chr01	37450734	TT	AA	1940140361
SNP_P1_14684_37453008	NC_021160.1	Ca_kabuli_chr01	37453008	AA	TT	1940140362
SNP_P1_14685_37457132	NC_021160.1	Ca_kabuli_chr01	37457132	GG	AA	1940140363
SNP_P1_14686_37465165	NC_021160.1	Ca_kabuli_chr01	37465165	AA	GG	1940140364
SNP_P1_14687_37465413	NC_021160.1	Ca_kabuli_chr01	37465413	CC	AA	1940140365
SNP_P1_14688_37466440	NC_021160.1	Ca_kabuli_chr01	37466440	TT	GG	1940140366
SNP_P1_14689_37468434	NC_021160.1	Ca_kabuli_chr01	37468434	CC	TT	1940140367
SNP_P1_14690_37468439	NC_021160.1	Ca_kabuli_chr01	37468439	TT	GG	1940140368
SNP_P1_14691_37468753	NC_021160.1	Ca_kabuli_chr01	37468753	TT	AA	1940140369
SNP_P1_14692_37468852	NC_021160.1	Ca_kabuli_chr01	37468852	AA	TT	1940140370
SNP_P1_14693_37469153	NC_021160.1	Ca_kabuli_chr01	37469153	TT	AA	1940140371
SNP_P1_14694_37469168	NC_021160.1	Ca_kabuli_chr01	37469168	AA	GG	1940140372
SNP_P1_14695_37469180	NC_021160.1	Ca_kabuli_chr01	37469180	TT	AA	1940140373
SNP_P1_14696_37469189	NC_021160.1	Ca_kabuli_chr01	37469189	CC	AA	1940140374
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SNP_P1_14698_37475151	NC_021160.1	Ca_kabuli_chr01	37475151	CC	GG	1940140376
SNP_P1_14699_37475190	NC_021160.1	Ca_kabuli_chr01	37475190	TT	CC	1940140378
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SNP_P1_14702_37475435	NC_021160.1	Ca_kabuli_chr01	37475435	GG	AA	1940140381
SNP_P1_14703_37479837	NC_021160.1	Ca_kabuli_chr01	37479837	TT	CC	1940140382
SNP_P1_14704_37479851	NC_021160.1	Ca_kabuli_chr01	37479851	GG	TT	1940140383
SNP_P1_14705_37489456	NC_021160.1	Ca_kabuli_chr01	37489456	GG	AA	1940140384
SNP_P1_14706_37489596	NC_021160.1	Ca_kabuli_chr01	37489596	TT	AA	1940140385
SNP_P1_14707_37489703	NC_021160.1	Ca_kabuli_chr01	37489703	CC	AA	1940140386
SNP_P1_14708_37489740	NC_021160.1	Ca_kabuli_chr01	37489740	AA	CC	1940140387
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SNP_P1_14711_37489910	NC_021160.1	Ca_kabuli_chr01	37489910	AA	GG	1940140390
SNP_P1_14714_37489981	NC_021160.1	Ca_kabuli_chr01	37489981	TT	CC	1940140391
SNP_P1_14715_37490042	NC_021160.1	Ca_kabuli_chr01	37490042	AA	TT	1940140392
SNP_P1_14716_37490043	NC_021160.1	Ca_kabuli_chr01	37490043	AA	CC	1940140393
SNP_P1_14718_37498530	NC_021160.1	Ca_kabuli_chr01	37498530	TT	CC	1940140394

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14720_37501593	NC_021160.1	Ca_kabuli_chr01	37501593	CC	TT	1940140396
SNP_P1_14721_37501614	NC_021160.1	Ca_kabuli_chr01	37501614	TT	AA	1940140397
SNP_P1_14722_37506284	NC_021160.1	Ca_kabuli_chr01	37506284	AA	CC	1940140398
SNP_P1_14723_37506423	NC_021160.1	Ca_kabuli_chr01	37506423	CC	AA	1940140399
SNP_P1_14724_37506703	NC_021160.1	Ca_kabuli_chr01	37506703	TT	AA	1940140400
SNP_P1_14725_37506708	NC_021160.1	Ca_kabuli_chr01	37506708	CC	AA	1940140401
SNP_P1_14726_37506715	NC_021160.1	Ca_kabuli_chr01	37506715	TT	GG	1940140402
SNP_P1_14727_37506737	NC_021160.1	Ca_kabuli_chr01	37506737	CC	AA	1940140403
SNP_P1_14728_37506741	NC_021160.1	Ca_kabuli_chr01	37506741	TT	CC	1940140404
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SNP_P1_14735_37513718	NC_021160.1	Ca_kabuli_chr01	37513718	TT	AA	1940140411
SNP_P1_14737_37517211	NC_021160.1	Ca_kabuli_chr01	37517211	AA	GG	1940140412
SNP_P1_14738_37529679	NC_021160.1	Ca_kabuli_chr01	37529679	AA	TT	1940140413
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SNP_P1_14740_37538587	NC_021160.1	Ca_kabuli_chr01	37538587	AA	GG	1940140415
SNP_P1_14741_37554343	NC_021160.1	Ca_kabuli_chr01	37554343	CC	TT	1940140416
SNP_P1_14742_37556281	NC_021160.1	Ca_kabuli_chr01	37556281	GG	AA	1940140417
SNP_P1_14744_37561517	NC_021160.1	Ca_kabuli_chr01	37561517	GG	AA	1940140419
SNP_P1_14745_37583920	NC_021160.1	Ca_kabuli_chr01	37583920	AA	GG	1940140420
SNP_P1_14746_37584720	NC_021160.1	Ca_kabuli_chr01	37584720	AA	TT	1940140421
SNP_P1_14747_37584848	NC_021160.1	Ca_kabuli_chr01	37584848	CC	TT	1940140422
SNP_P1_14748_37591911	NC_021160.1	Ca_kabuli_chr01	37591911	TT	AA	1940140423
SNP_P1_14749_37601906	NC_021160.1	Ca_kabuli_chr01	37601906	CC	TT	1940140424
SNP_P1_14750_37632791	NC_021160.1	Ca_kabuli_chr01	37632791	TT	CC	1940140425
SNP_P1_14751_37634076	NC_021160.1	Ca_kabuli_chr01	37634076	AA	GG	1940140426
SNP_P1_14752_37634077	NC_021160.1	Ca_kabuli_chr01	37634077	AA	CC	1940140427
SNP_P1_14753_37644899	NC_021160.1	Ca_kabuli_chr01	37644899	CC	AA	1940140428
SNP_P1_14754_37646989	NC_021160.1	Ca_kabuli_chr01	37646989	CC	GG	1940140429
SNP_P1_14757_37690359	NC_021160.1	Ca_kabuli_chr01	37690359	GG	AA	1940140430
SNP_P1_14758_37690416	NC_021160.1	Ca_kabuli_chr01	37690416	GG	AA	1940140431
SNP_P1_14759_37690465	NC_021160.1	Ca_kabuli_chr01	37690465	TT	CC	1940140432
SNP_P1_14760_37690497	NC_021160.1	Ca_kabuli_chr01	37690497	AA	TT	1940140433
SNP_P1_14761_37691089	NC_021160.1	Ca_kabuli_chr01	37691089	GG	TT	1940140434
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SNP_P1_14763_37691381	NC_021160.1	Ca_kabuli_chr01	37691381	GG	AA	1940140436
SNP_P1_14764_37691386	NC_021160.1	Ca_kabuli_chr01	37691386	TT	CC	1940140437

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14767_37691446	NC_021160.1	Ca_kabuli_chr01	37691446	AA	GG	1940140440
SNP_P1_14768_37691450	NC_021160.1	Ca_kabuli_chr01	37691450	TT	CC	1940140441
SNP_P1_14769_37691462	NC_021160.1	Ca_kabuli_chr01	37691462	GG	TT	1940140442
SNP_P1_14770_37692362	NC_021160.1	Ca_kabuli_chr01	37692362	AA	TT	1940140443
SNP_P1_14771_37692388	NC_021160.1	Ca_kabuli_chr01	37692388	AA	GG	1940140444
SNP_P1_14772_37692550	NC_021160.1	Ca_kabuli_chr01	37692550	TT	AA	1940140445
SNP_P1_14774_37692622	NC_021160.1	Ca_kabuli_chr01	37692622	CC	TT	1940140446
SNP_P1_14775_37692641	NC_021160.1	Ca_kabuli_chr01	37692641	CC	TT	1940140447
SNP_P1_14777_37696015	NC_021160.1	Ca_kabuli_chr01	37696015	CC	TT	1940140448
SNP_P1_14779_37696266	NC_021160.1	Ca_kabuli_chr01	37696266	CC	TT	1940140449
SNP_P1_14780_37697150	NC_021160.1	Ca_kabuli_chr01	37697150	AA	GG	1940140450
SNP_P1_14781_37697358	NC_021160.1	Ca_kabuli_chr01	37697358	AA	TT	1940140451
SNP_P1_14782_37697382	NC_021160.1	Ca_kabuli_chr01	37697382	TT	CC	1940140452
SNP_P1_14784_37697489	NC_021160.1	Ca_kabuli_chr01	37697489	TT	AA	1940140453
SNP_P1_14785_37697574	NC_021160.1	Ca_kabuli_chr01	37697574	CC	TT	1940140454
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SNP_P1_14791_37697825	NC_021160.1	Ca_kabuli_chr01	37697825	TT	GG	1940140459
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SNP_P1_14794_37697982	NC_021160.1	Ca_kabuli_chr01	37697982	AA	GG	1940140462
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SNP_P1_14799_37701266	NC_021160.1	Ca_kabuli_chr01	37701266	CC	AA	1940140468
SNP_P1_14800_37701282	NC_021160.1	Ca_kabuli_chr01	37701282	AA	TT	1940140469
SNP_P1_14801_37701285	NC_021160.1	Ca_kabuli_chr01	37701285	CC	GG	1940140470
SNP_P1_14802_37701498	NC_021160.1	Ca_kabuli_chr01	37701498	GG	CC	1940140471
SNP_P1_14804_37702238	NC_021160.1	Ca_kabuli_chr01	37702238	TT	CC	1940140472
SNP_P1_14805_37702533	NC_021160.1	Ca_kabuli_chr01	37702533	GG	AA	1940140473
SNP_P1_14806_37702540	NC_021160.1	Ca_kabuli_chr01	37702540	GG	AA	1940140474
SNP_P1_14807_37702913	NC_021160.1	Ca_kabuli_chr01	37702913	TT	GG	1940140475
SNP_P1_14808_37703235	NC_021160.1	Ca_kabuli_chr01	37703235	CC	AA	1940140476
SNP_P1_14809_37704970	NC_021160.1	Ca_kabuli_chr01	37704970	AA	GG	1940140477
SNP_P1_14810_37710476	NC_021160.1	Ca_kabuli_chr01	37710476	CC	AA	1940140478
SNP_P1_14812_37711496	NC_021160.1	Ca_kabuli_chr01	37711496	GG	CC	1940140479
SNP_P1_14813_37711974	NC_021160.1	Ca_kabuli_chr01	37711974	TT	CC	1940140480

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14819_37714975	NC_021160.1	Ca_kabuli_chr01	37714975	GG	AA	1940140484
SNP_P1_14820_37715464	NC_021160.1	Ca_kabuli_chr01	37715464	AA	TT	1940140485
SNP_P1_14821_37716462	NC_021160.1	Ca_kabuli_chr01	37716462	CC	TT	1940140486
SNP_P1_14822_37716731	NC_021160.1	Ca_kabuli_chr01	37716731	CC	TT	1940140487
SNP_P1_14823_37716757	NC_021160.1	Ca_kabuli_chr01	37716757	AA	GG	1940140488
SNP_P1_14824_37716759	NC_021160.1	Ca_kabuli_chr01	37716759	TT	CC	1940140489
SNP_P1_14825_37716913	NC_021160.1	Ca_kabuli_chr01	37716913	AA	GG	1940140490
SNP_P1_14826_37717121	NC_021160.1	Ca_kabuli_chr01	37717121	CC	TT	1940140491
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SNP_P1_14828_37717264	NC_021160.1	Ca_kabuli_chr01	37717264	GG	AA	1940140493
SNP_P1_14829_37717316	NC_021160.1	Ca_kabuli_chr01	37717316	CC	AA	1940140494
SNP_P1_14830_37717478	NC_021160.1	Ca_kabuli_chr01	37717478	TT	CC	1940140495
SNP_P1_14831_37717490	NC_021160.1	Ca_kabuli_chr01	37717490	GG	CC	1940140496
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SNP_P1_14835_37717920	NC_021160.1	Ca_kabuli_chr01	37717920	TT	AA	1940140500
SNP_P1_14836_37717924	NC_021160.1	Ca_kabuli_chr01	37717924	AA	GG	1940140502
SNP_P1_14837_37718333	NC_021160.1	Ca_kabuli_chr01	37718333	GG	TT	1940140503
SNP_P1_14838_37718403	NC_021160.1	Ca_kabuli_chr01	37718403	GG	AA	1940140504
SNP_P1_14840_37718470	NC_021160.1	Ca_kabuli_chr01	37718470	AA	TT	1940140505
SNP_P1_14841_37718527	NC_021160.1	Ca_kabuli_chr01	37718527	AA	GG	1940140506
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SNP_P1_14845_37719447	NC_021160.1	Ca_kabuli_chr01	37719447	GG	AA	1940140509
SNP_P1_14846_37719456	NC_021160.1	Ca_kabuli_chr01	37719456	AA	GG	1940140510
SNP_P1_14847_37719467	NC_021160.1	Ca_kabuli_chr01	37719467	TT	GG	1940140511
SNP_P1_14848_37720826	NC_021160.1	Ca_kabuli_chr01	37720826	CC	TT	1940140512
SNP_P1_14849_37721336	NC_021160.1	Ca_kabuli_chr01	37721336	CC	TT	1940140513
SNP_P1_14850_37721369	NC_021160.1	Ca_kabuli_chr01	37721369	TT	AA	1940140514
SNP_P1_14851_37722453	NC_021160.1	Ca_kabuli_chr01	37722453	TT	AA	1940140515
SNP_P1_14853_37723135	NC_021160.1	Ca_kabuli_chr01	37723135	GG	AA	1940140516
SNP_P1_14854_37724690	NC_021160.1	Ca_kabuli_chr01	37724690	CC	AA	1940140517
SNP_P1_14855_37724708	NC_021160.1	Ca_kabuli_chr01	37724708	TT	CC	1940140518
SNP_P1_14856_37724912	NC_021160.1	Ca_kabuli_chr01	37724912	AA	CC	1940140519
SNP_P1_14859_37728818	NC_021160.1	Ca_kabuli_chr01	37728818	AA	CC	1940140520
SNP_P1_14860_37728979	NC_021160.1	Ca_kabuli_chr01	37728979	GG	AA	1940140521
SNP_P1_14861_37729020	NC_021160.1	Ca_kabuli_chr01	37729020	TT	GG	1940140522
SNP_P1_14863_37732701	NC_021160.1	Ca_kabuli_chr01	37732701	TT	CC	1940140523

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14866_37736546	NC_021160.1	Ca_kabuli_chr01	37736546	TT	CC	1940140525
SNP_P1_14869_37740556	NC_021160.1	Ca_kabuli_chr01	37740556	CC	AA	1940140526
SNP_P1_14870_37740658	NC_021160.1	Ca_kabuli_chr01	37740658	TT	CC	1940140527
SNP_P1_14871_37741475	NC_021160.1	Ca_kabuli_chr01	37741475	GG	TT	1940140528
SNP_P1_14873_37742169	NC_021160.1	Ca_kabuli_chr01	37742169	AA	CC	1940140529
SNP_P1_14874_37742866	NC_021160.1	Ca_kabuli_chr01	37742866	AA	TT	1940140530
SNP_P1_14875_37744104	NC_021160.1	Ca_kabuli_chr01	37744104	TT	AA	1940140531
SNP_P1_14876_37744162	NC_021160.1	Ca_kabuli_chr01	37744162	TT	CC	1940140532
SNP_P1_14877_37744228	NC_021160.1	Ca_kabuli_chr01	37744228	TT	CC	1940140533
SNP_P1_14878_37744443	NC_021160.1	Ca_kabuli_chr01	37744443	GG	AA	1940140534
SNP_P1_14879_37744445	NC_021160.1	Ca_kabuli_chr01	37744445	TT	GG	1940140535
SNP_P1_14880_37744652	NC_021160.1	Ca_kabuli_chr01	37744652	GG	AA	1940140536
SNP_P1_14881_37744804	NC_021160.1	Ca_kabuli_chr01	37744804	GG	AA	1940140537
SNP_P1_14883_37744848	NC_021160.1	Ca_kabuli_chr01	37744848	CC	TT	1940140538
SNP_P1_14884_37745428	NC_021160.1	Ca_kabuli_chr01	37745428	TT	CC	1940140539
SNP_P1_14885_37747026	NC_021160.1	Ca_kabuli_chr01	37747026	AA	CC	1940140540
SNP_P1_14886_37747070	NC_021160.1	Ca_kabuli_chr01	37747070	CC	AA	1940140541
SNP_P1_14887_37747134	NC_021160.1	Ca_kabuli_chr01	37747134	AA	GG	1940140543
SNP_P1_14889_37747236	NC_021160.1	Ca_kabuli_chr01	37747236	TT	CC	1940140544
SNP_P1_14890_37747328	NC_021160.1	Ca_kabuli_chr01	37747328	TT	CC	1940140545
SNP_P1_14892_37747458	NC_021160.1	Ca_kabuli_chr01	37747458	AA	GG	1940140546
SNP_P1_14894_37747518	NC_021160.1	Ca_kabuli_chr01	37747518	AA	GG	1940140547
SNP_P1_14895_37747593	NC_021160.1	Ca_kabuli_chr01	37747593	AA	GG	1940140548
SNP_P1_14896_37747628	NC_021160.1	Ca_kabuli_chr01	37747628	AA	GG	1940140549
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SNP_P1_14899_37750716	NC_021160.1	Ca_kabuli_chr01	37750716	CC	TT	1940140551
SNP_P1_14900_37750740	NC_021160.1	Ca_kabuli_chr01	37750740	AA	GG	1940140552
SNP_P1_14901_37751436	NC_021160.1	Ca_kabuli_chr01	37751436	AA	TT	1940140553
SNP_P1_14902_37755176	NC_021160.1	Ca_kabuli_chr01	37755176	AA	CC	1940140554
SNP_P1_14903_37755293	NC_021160.1	Ca_kabuli_chr01	37755293	CC	TT	1940140555
SNP_P1_14904_37755882	NC_021160.1	Ca_kabuli_chr01	37755882	TT	GG	1940140556
SNP_P1_14905_37756131	NC_021160.1	Ca_kabuli_chr01	37756131	GG	AA	1940140557
SNP_P1_14906_37756135	NC_021160.1	Ca_kabuli_chr01	37756135	GG	AA	1940140558
SNP_P1_14907_37756147	NC_021160.1	Ca_kabuli_chr01	37756147	GG	AA	1940140559
SNP_P1_14908_37756162	NC_021160.1	Ca_kabuli_chr01	37756162	GG	TT	1940140560
SNP_P1_14909_37756174	NC_021160.1	Ca_kabuli_chr01	37756174	TT	CC	1940140561
SNP_P1_14910_37756206	NC_021160.1	Ca_kabuli_chr01	37756206	TT	AA	1940140562
SNP_P1_14911_37756231	NC_021160.1	Ca_kabuli_chr01	37756231	CC	TT	1940140563
SNP_P1_14912_37756245	NC_021160.1	Ca_kabuli_chr01	37756245	AA	TT	1940140564
SNP_P1_14913_37756991	NC_021160.1	Ca_kabuli_chr01	37756991	CC	TT	1940140565
SNP_P1_14914_37757470	NC_021160.1	Ca_kabuli_chr01	37757470	TT	CC	1940140566

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14916_37758079	NC_021160.1	Ca_kabuli_chr01	37758079	TT	CC	1940140568
SNP_P1_14917_37758258	NC_021160.1	Ca_kabuli_chr01	37758258	GG	TT	1940140569
SNP_P1_14918_37758276	NC_021160.1	Ca_kabuli_chr01	37758276	CC	TT	1940140570
SNP_P1_14919_37758328	NC_021160.1	Ca_kabuli_chr01	37758328	AA	GG	1940140571
SNP_P1_14920_37758363	NC_021160.1	Ca_kabuli_chr01	37758363	CC	TT	1940140572
SNP_P1_14921_37758384	NC_021160.1	Ca_kabuli_chr01	37758384	TT	CC	1940140573
SNP_P1_14922_37758400	NC_021160.1	Ca_kabuli_chr01	37758400	GG	TT	1940140574
SNP_P1_14924_37758465	NC_021160.1	Ca_kabuli_chr01	37758465	TT	AA	1940140575
SNP_P1_14926_37758629	NC_021160.1	Ca_kabuli_chr01	37758629	CC	AA	1940140576
SNP_P1_14927_37758635	NC_021160.1	Ca_kabuli_chr01	37758635	TT	AA	1940140577
SNP_P1_14928_37758949	NC_021160.1	Ca_kabuli_chr01	37758949	AA	GG	1940140578
SNP_P1_14929_37758960	NC_021160.1	Ca_kabuli_chr01	37758960	AA	GG	1940140580
SNP_P1_14930_37758977	NC_021160.1	Ca_kabuli_chr01	37758977	AA	GG	1940140581
SNP_P1_14931_37758990	NC_021160.1	Ca_kabuli_chr01	37758990	AA	GG	1940140582
SNP_P1_14932_37759214	NC_021160.1	Ca_kabuli_chr01	37759214	AA	GG	1940140583
SNP_P1_14933_37759233	NC_021160.1	Ca_kabuli_chr01	37759233	CC	TT	1940140584
SNP_P1_14934_37759244	NC_021160.1	Ca_kabuli_chr01	37759244	CC	TT	1940140585
SNP_P1_14935_37759287	NC_021160.1	Ca_kabuli_chr01	37759287	GG	AA	1940140586
SNP_P1_14936_37759310	NC_021160.1	Ca_kabuli_chr01	37759310	TT	GG	1940140587
SNP_P1_14937_37759346	NC_021160.1	Ca_kabuli_chr01	37759346	CC	TT	1940140588
SNP_P1_14938_37759629	NC_021160.1	Ca_kabuli_chr01	37759629	GG	AA	1940140589
SNP_P1_14939_37759641	NC_021160.1	Ca_kabuli_chr01	37759641	AA	GG	1940140590
SNP_P1_14941_37759716	NC_021160.1	Ca_kabuli_chr01	37759716	GG	AA	1940140591
SNP_P1_14942_37759772	NC_021160.1	Ca_kabuli_chr01	37759772	AA	TT	1940140592
SNP_P1_14943_37759781	NC_021160.1	Ca_kabuli_chr01	37759781	CC	TT	1940140593
SNP_P1_14944_37759806	NC_021160.1	Ca_kabuli_chr01	37759806	AA	GG	1940140594
SNP_P1_14945_37759816	NC_021160.1	Ca_kabuli_chr01	37759816	AA	GG	1940140595
SNP_P1_14946_37761149	NC_021160.1	Ca_kabuli_chr01	37761149	GG	AA	1940140596
SNP_P1_14947_37761293	NC_021160.1	Ca_kabuli_chr01	37761293	GG	AA	1940140597
SNP_P1_14948_37762078	NC_021160.1	Ca_kabuli_chr01	37762078	AA	TT	1940140598
SNP_P1_14949_37762882	NC_021160.1	Ca_kabuli_chr01	37762882	AA	GG	1940140599
SNP_P1_14950_37766999	NC_021160.1	Ca_kabuli_chr01	37766999	GG	TT	1940140600
SNP_P1_14951_37767210	NC_021160.1	Ca_kabuli_chr01	37767210	CC	AA	1940140601
SNP_P1_14952_37767248	NC_021160.1	Ca_kabuli_chr01	37767248	TT	CC	1940140602
SNP_P1_14953_37767252	NC_021160.1	Ca_kabuli_chr01	37767252	CC	TT	1940140603
SNP_P1_14954_37767267	NC_021160.1	Ca_kabuli_chr01	37767267	TT	CC	1940140604
SNP_P1_14955_37767291	NC_021160.1	Ca_kabuli_chr01	37767291	TT	CC	1940140605
SNP_P1_14956_37767355	NC_021160.1	Ca_kabuli_chr01	37767355	CC	TT	1940140606
SNP_P1_14957_37767361	NC_021160.1	Ca_kabuli_chr01	37767361	CC	TT	1940140607
SNP_P1_14958_37767362	NC_021160.1	Ca_kabuli_chr01	37767362	CC	AA	1940140608
SNP_P1_14959_37768099	NC_021160.1	Ca_kabuli_chr01	37768099	TT	AA	1940140609

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_14961_37768333	NC_021160.1	Ca_kabuli_chr01	37768333	CC	TT	1940140611
SNP_P1_14962_37768745	NC_021160.1	Ca_kabuli_chr01	37768745	AA	CC	1940140612
SNP_P1_14963_37768875	NC_021160.1	Ca_kabuli_chr01	37768875	AA	TT	1940140613
SNP_P1_14965_37769184	NC_021160.1	Ca_kabuli_chr01	37769184	AA	GG	1940140614
SNP_P1_14966_37769324	NC_021160.1	Ca_kabuli_chr01	37769324	GG	TT	1940140615
SNP_P1_14967_37770830	NC_021160.1	Ca_kabuli_chr01	37770830	CC	TT	1940140616
SNP_P1_14968_37770974	NC_021160.1	Ca_kabuli_chr01	37770974	CC	TT	1940140617
SNP_P1_14970_37771802	NC_021160.1	Ca_kabuli_chr01	37771802	AA	TT	1940140618
SNP_P1_14971_37772031	NC_021160.1	Ca_kabuli_chr01	37772031	TT	CC	1940140619
SNP_P1_14972_37772037	NC_021160.1	Ca_kabuli_chr01	37772037	AA	CC	1940140620
SNP_P1_14973_37773115	NC_021160.1	Ca_kabuli_chr01	37773115	TT	CC	1940140621
SNP_P1_14974_37773328	NC_021160.1	Ca_kabuli_chr01	37773328	TT	CC	1940140622
SNP_P1_14975_37775083	NC_021160.1	Ca_kabuli_chr01	37775083	CC	GG	1940140623
SNP_P1_14976_37775092	NC_021160.1	Ca_kabuli_chr01	37775092	TT	GG	1940140624
SNP_P1_14977_37775118	NC_021160.1	Ca_kabuli_chr01	37775118	CC	TT	1940140625
SNP_P1_14978_37775481	NC_021160.1	Ca_kabuli_chr01	37775481	TT	CC	1940140627
SNP_P1_14979_37775498	NC_021160.1	Ca_kabuli_chr01	37775498	AA	CC	1940140628
SNP_P1_14980_37775640	NC_021160.1	Ca_kabuli_chr01	37775640	GG	AA	1940140629
SNP_P1_14981_37775751	NC_021160.1	Ca_kabuli_chr01	37775751	TT	AA	1940140630
SNP_P1_14982_37776114	NC_021160.1	Ca_kabuli_chr01	37776114	TT	AA	1940140631
SNP_P1_14983_37776324	NC_021160.1	Ca_kabuli_chr01	37776324	AA	TT	1940140632
SNP_P1_14984_37776402	NC_021160.1	Ca_kabuli_chr01	37776402	CC	TT	1940140633
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SNP_P1_14989_37776726	NC_021160.1	Ca_kabuli_chr01	37776726	GG	AA	1940140638
SNP_P1_14990_37777024	NC_021160.1	Ca_kabuli_chr01	37777024	TT	GG	1940140639
SNP_P1_14991_37779833	NC_021160.1	Ca_kabuli_chr01	37779833	GG	TT	1940140640
SNP_P1_14992_37780926	NC_021160.1	Ca_kabuli_chr01	37780926	GG	TT	1940140641
SNP_P1_14993_37780945	NC_021160.1	Ca_kabuli_chr01	37780945	AA	CC	1940140642
SNP_P1_14994_37783161	NC_021160.1	Ca_kabuli_chr01	37783161	AA	GG	1940140643
SNP_P1_14995_37783739	NC_021160.1	Ca_kabuli_chr01	37783739	CC	TT	1940140644
SNP_P1_14996_37783756	NC_021160.1	Ca_kabuli_chr01	37783756	TT	CC	1940140645
SNP_P1_14997_37783960	NC_021160.1	Ca_kabuli_chr01	37783960	CC	AA	1940140646
SNP_P1_14998_37784283	NC_021160.1	Ca_kabuli_chr01	37784283	TT	GG	1940140647
SNP_P1_15000_37784937	NC_021160.1	Ca_kabuli_chr01	37784937	AA	GG	1940140648
SNP_P1_15001_37785123	NC_021160.1	Ca_kabuli_chr01	37785123	TT	GG	1940140649
SNP_P1_15002_37785340	NC_021160.1	Ca_kabuli_chr01	37785340	AA	GG	1940140650
SNP_P1_15003_37785413	NC_021160.1	Ca_kabuli_chr01	37785413	TT	CC	1940140651
SNP_P1_15004_37785499	NC_021160.1	Ca_kabuli_chr01	37785499	AA	GG	1940140652

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15007_37785793	NC_021160.1	Ca_kabuli_chr01	37785793	TT	CC	1940140655
SNP_P1_15008_37785801	NC_021160.1	Ca_kabuli_chr01	37785801	AA	GG	1940140656
SNP_P1_15009_37785824	NC_021160.1	Ca_kabuli_chr01	37785824	CC	TT	1940140657
SNP_P1_15010_37785883	NC_021160.1	Ca_kabuli_chr01	37785883	TT	CC	1940140658
SNP_P1_15011_37786369	NC_021160.1	Ca_kabuli_chr01	37786369	GG	AA	1940140659
SNP_P1_15012_37786410	NC_021160.1	Ca_kabuli_chr01	37786410	GG	AA	1940140660
SNP_P1_15013_37793904	NC_021160.1	Ca_kabuli_chr01	37793904	GG	AA	1940140661
SNP_P1_15014_37793946	NC_021160.1	Ca_kabuli_chr01	37793946	TT	GG	1940140662
SNP_P1_15016_37794232	NC_021160.1	Ca_kabuli_chr01	37794232	GG	AA	1940140663
SNP_P1_15018_37795509	NC_021160.1	Ca_kabuli_chr01	37795509	CC	TT	1940140664
SNP_P1_15019_37795614	NC_021160.1	Ca_kabuli_chr01	37795614	GG	AA	1940140665
SNP_P1_15020_37795638	NC_021160.1	Ca_kabuli_chr01	37795638	GG	AA	1940140666
SNP_P1_15021_37796034	NC_021160.1	Ca_kabuli_chr01	37796034	GG	TT	1940140667
SNP_P1_15022_37796090	NC_021160.1	Ca_kabuli_chr01	37796090	TT	GG	1940140668
SNP_P1_15024_37797344	NC_021160.1	Ca_kabuli_chr01	37797344	TT	AA	1940140669
SNP_P1_15025_37797935	NC_021160.1	Ca_kabuli_chr01	37797935	AA	GG	1940140670
SNP_P1_15026_37797980	NC_021160.1	Ca_kabuli_chr01	37797980	AA	TT	1940140671
SNP_P1_15027_37798770	NC_021160.1	Ca_kabuli_chr01	37798770	CC	TT	1940140672
SNP_P1_15030_37799221	NC_021160.1	Ca_kabuli_chr01	37799221	GG	AA	1940140673
SNP_P1_15032_37799273	NC_021160.1	Ca_kabuli_chr01	37799273	GG	TT	1940140675
SNP_P1_15033_37801254	NC_021160.1	Ca_kabuli_chr01	37801254	TT	CC	1940140676
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SNP_P1_15036_37801510	NC_021160.1	Ca_kabuli_chr01	37801510	CC	TT	1940140679
SNP_P1_15037_37801519	NC_021160.1	Ca_kabuli_chr01	37801519	AA	CC	1940140680
SNP_P1_15038_37801522	NC_021160.1	Ca_kabuli_chr01	37801522	CC	TT	1940140681
SNP_P1_15039_37801650	NC_021160.1	Ca_kabuli_chr01	37801650	TT	CC	1940140682
SNP_P1_15040_37801976	NC_021160.1	Ca_kabuli_chr01	37801976	AA	GG	1940140683
SNP_P1_15041_37802015	NC_021160.1	Ca_kabuli_chr01	37802015	CC	TT	1940140684
SNP_P1_15042_37802251	NC_021160.1	Ca_kabuli_chr01	37802251	GG	AA	1940140685
SNP_P1_15043_37802365	NC_021160.1	Ca_kabuli_chr01	37802365	CC	TT	1940140686
SNP_P1_15044_37803231	NC_021160.1	Ca_kabuli_chr01	37803231	AA	GG	1940140687
SNP_P1_15045_37803236	NC_021160.1	Ca_kabuli_chr01	37803236	AA	GG	1940140688
SNP_P1_15046_37803304	NC_021160.1	Ca_kabuli_chr01	37803304	AA	GG	1940140689
SNP_P1_15047_37803963	NC_021160.1	Ca_kabuli_chr01	37803963	AA	GG	1940140690
SNP_P1_15048_37805168	NC_021160.1	Ca_kabuli_chr01	37805168	GG	AA	1940140691
SNP_P1_15049_37805180	NC_021160.1	Ca_kabuli_chr01	37805180	GG	TT	1940140692
SNP_P1_15050_37805842	NC_021160.1	Ca_kabuli_chr01	37805842	GG	CC	1940140693
SNP_P1_15051_37805860	NC_021160.1	Ca_kabuli_chr01	37805860	AA	GG	1940140694
SNP_P1_15052_37806164	NC_021160.1	Ca_kabuli_chr01	37806164	CC	AA	1940140695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_15053_37806189	NC_021160.1	Ca_kabuli_chr01	37806189	TT	AA	1940140696
SNP_P1_15054_37806382	NC_021160.1	Ca_kabuli_chr01	37806382	AA	GG	1940140697
SNP_P1_15056_37806415	NC_021160.1	Ca_kabuli_chr01	37806415	CC	TT	1940140698
SNP_P1_15057_37806476	NC_021160.1	Ca_kabuli_chr01	37806476	CC	TT	1940140699
SNP_P1_15058_37806734	NC_021160.1	Ca_kabuli_chr01	37806734	GG	AA	1940140700
SNP_P1_15059_37807014	NC_021160.1	Ca_kabuli_chr01	37807014	CC	AA	1940140701
SNP_P1_15060_37807236	NC_021160.1	Ca_kabuli_chr01	37807236	AA	GG	1940140703
SNP_P1_15061_37807246	NC_021160.1	Ca_kabuli_chr01	37807246	AA	GG	1940140704
SNP_P1_15062_37807250	NC_021160.1	Ca_kabuli_chr01	37807250	GG	AA	1940140705
SNP_P1_15063_37807299	NC_021160.1	Ca_kabuli_chr01	37807299	CC	TT	1940140706
SNP_P1_15064_37807530	NC_021160.1	Ca_kabuli_chr01	37807530	AA	TT	1940140707
SNP_P1_15065_37807568	NC_021160.1	Ca_kabuli_chr01	37807568	AA	TT	1940140708
SNP_P1_15066_37808234	NC_021160.1	Ca_kabuli_chr01	37808234	AA	GG	1940140709
SNP_P1_15067_37808497	NC_021160.1	Ca_kabuli_chr01	37808497	AA	CC	1940140710
SNP_P1_15068_37808998	NC_021160.1	Ca_kabuli_chr01	37808998	AA	GG	1940140711
SNP_P1_15069_37809083	NC_021160.1	Ca_kabuli_chr01	37809083	GG	CC	1940140712
SNP_P1_15070_37809205	NC_021160.1	Ca_kabuli_chr01	37809205	TT	CC	1940140713
SNP_P1_15071_37809246	NC_021160.1	Ca_kabuli_chr01	37809246	GG	TT	1940140714
SNP_P1_15073_37809416	NC_021160.1	Ca_kabuli_chr01	37809416	CC	GG	1940140715
SNP_P1_15074_37810358	NC_021160.1	Ca_kabuli_chr01	37810358	AA	TT	1940140716
SNP_P1_15075_37810359	NC_021160.1	Ca_kabuli_chr01	37810359	AA	TT	1940140718
SNP_P1_15077_37810413	NC_021160.1	Ca_kabuli_chr01	37810413	AA	TT	1940140719
SNP_P1_15078_37811840	NC_021160.1	Ca_kabuli_chr01	37811840	TT	AA	1940140720
SNP_P1_15079_37812349	NC_021160.1	Ca_kabuli_chr01	37812349	CC	TT	1940140721
SNP_P1_15080_37812692	NC_021160.1	Ca_kabuli_chr01	37812692	TT	GG	1940140722
SNP_P1_15081_37812697	NC_021160.1	Ca_kabuli_chr01	37812697	TT	AA	1940140723
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SNP_P1_15083_37819426	NC_021160.1	Ca_kabuli_chr01	37819426	AA	TT	1940140725
SNP_P1_15084_37820358	NC_021160.1	Ca_kabuli_chr01	37820358	CC	TT	1940140726
SNP_P1_15085_37824163	NC_021160.1	Ca_kabuli_chr01	37824163	CC	TT	1940140727
SNP_P1_15086_37826884	NC_021160.1	Ca_kabuli_chr01	37826884	TT	CC	1940140728
SNP_P1_15087_37828082	NC_021160.1	Ca_kabuli_chr01	37828082	TT	CC	1940140730
SNP_P1_15088_37828145	NC_021160.1	Ca_kabuli_chr01	37828145	AA	GG	1940140731
SNP_P1_15089_37829081	NC_021160.1	Ca_kabuli_chr01	37829081	TT	CC	1940140732
SNP_P1_15090_37829087	NC_021160.1	Ca_kabuli_chr01	37829087	AA	GG	1940140733
SNP_P1_15091_37829321	NC_021160.1	Ca_kabuli_chr01	37829321	CC	GG	1940140734
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SNP_P1_15094_37829414	NC_021160.1	Ca_kabuli_chr01	37829414	TT	CC	1940140736
SNP_P1_15095_37829421	NC_021160.1	Ca_kabuli_chr01	37829421	AA	CC	1940140737
SNP_P1_15096_37829465	NC_021160.1	Ca_kabuli_chr01	37829465	CC	TT	1940140738
SNP_P1_15097_37830309	NC_021160.1	Ca_kabuli_chr01	37830309	CC	TT	1940140739
SNP_P1_15098_37831145	NC_021160.1	Ca_kabuli_chr01	37831145	GG	AA	1940140740

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15100_37832806	NC_021160.1	Ca_kabuli_chr01	37832806	CC	GG	1940140742
SNP_P1_15101_37832935	NC_021160.1	Ca_kabuli_chr01	37832935	TT	CC	1940140743
SNP_P1_15102_37832982	NC_021160.1	Ca_kabuli_chr01	37832982	AA	TT	1940140744
SNP_P1_15103_37835663	NC_021160.1	Ca_kabuli_chr01	37835663	AA	TT	1940140745
SNP_P1_15105_37837359	NC_021160.1	Ca_kabuli_chr01	37837359	CC	TT	1940140746
SNP_P1_15106_37837630	NC_021160.1	Ca_kabuli_chr01	37837630	TT	AA	1940140747
SNP_P1_15107_37837669	NC_021160.1	Ca_kabuli_chr01	37837669	CC	TT	1940140748
SNP_P1_15108_37837681	NC_021160.1	Ca_kabuli_chr01	37837681	TT	AA	1940140749
SNP_P1_15109_37838783	NC_021160.1	Ca_kabuli_chr01	37838783	TT	CC	1940140750
SNP_P1_15110_37838849	NC_021160.1	Ca_kabuli_chr01	37838849	CC	TT	1940140751
SNP_P1_15111_37838926	NC_021160.1	Ca_kabuli_chr01	37838926	GG	TT	1940140752
SNP_P1_15112_37838935	NC_021160.1	Ca_kabuli_chr01	37838935	GG	TT	1940140753
SNP_P1_15113_37839363	NC_021160.1	Ca_kabuli_chr01	37839363	TT	CC	1940140754
SNP_P1_15114_37845067	NC_021160.1	Ca_kabuli_chr01	37845067	CC	TT	1940140755
SNP_P1_15115_37845386	NC_021160.1	Ca_kabuli_chr01	37845386	GG	AA	1940140757
SNP_P1_15116_37845800	NC_021160.1	Ca_kabuli_chr01	37845800	TT	CC	1940140758
SNP_P1_15118_37846267	NC_021160.1	Ca_kabuli_chr01	37846267	AA	GG	1940140759
SNP_P1_15119_37846331	NC_021160.1	Ca_kabuli_chr01	37846331	GG	TT	1940140760
SNP_P1_15120_37847942	NC_021160.1	Ca_kabuli_chr01	37847942	TT	CC	1940140761
SNP_P1_15121_37848333	NC_021160.1	Ca_kabuli_chr01	37848333	TT	CC	1940140762
SNP_P1_15122_37848361	NC_021160.1	Ca_kabuli_chr01	37848361	TT	CC	1940140763
SNP_P1_15123_37848376	NC_021160.1	Ca_kabuli_chr01	37848376	CC	GG	1940140764
SNP_P1_15124_37848664	NC_021160.1	Ca_kabuli_chr01	37848664	GG	AA	1940140765
SNP_P1_15125_37848675	NC_021160.1	Ca_kabuli_chr01	37848675	CC	TT	1940140766
SNP_P1_15126_37848695	NC_021160.1	Ca_kabuli_chr01	37848695	CC	AA	1940140767
SNP_P1_15127_37848751	NC_021160.1	Ca_kabuli_chr01	37848751	GG	TT	1940140768
SNP_P1_15128_37848789	NC_021160.1	Ca_kabuli_chr01	37848789	GG	TT	1940140769
SNP_P1_15129_37849018	NC_021160.1	Ca_kabuli_chr01	37849018	GG	AA	1940140770
SNP_P1_15130_37849067	NC_021160.1	Ca_kabuli_chr01	37849067	TT	CC	1940140771
SNP_P1_15131_37849069	NC_021160.1	Ca_kabuli_chr01	37849069	CC	TT	1940140772
SNP_P1_15132_37849070	NC_021160.1	Ca_kabuli_chr01	37849070	TT	CC	1940140773
SNP_P1_15133_37849089	NC_021160.1	Ca_kabuli_chr01	37849089	CC	AA	1940140774
SNP_P1_15134_37849097	NC_021160.1	Ca_kabuli_chr01	37849097	AA	GG	1940140775
SNP_P1_15135_37849231	NC_021160.1	Ca_kabuli_chr01	37849231	AA	GG	1940140776
SNP_P1_15136_37849270	NC_021160.1	Ca_kabuli_chr01	37849270	TT	AA	1940140777
SNP_P1_15138_37850302	NC_021160.1	Ca_kabuli_chr01	37850302	CC	TT	1940140778
SNP_P1_15139_37850958	NC_021160.1	Ca_kabuli_chr01	37850958	GG	AA	1940140779
SNP_P1_15140_37851322	NC_021160.1	Ca_kabuli_chr01	37851322	TT	GG	1940140780
SNP_P1_15143_37851759	NC_021160.1	Ca_kabuli_chr01	37851759	TT	GG	1940140781
SNP_P1_15144_37852202	NC_021160.1	Ca_kabuli_chr01	37852202	CC	TT	1940140782
SNP_P1_15147_37852804	NC_021160.1	Ca_kabuli_chr01	37852804	AA	CC	1940140783

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15150_37852859	NC_021160.1	Ca_kabuli_chr01	37852859	GG	CC	1940140785
SNP_P1_15151_37852932	NC_021160.1	Ca_kabuli_chr01	37852932	AA	GG	1940140786
SNP_P1_15152_37853186	NC_021160.1	Ca_kabuli_chr01	37853186	AA	GG	1940140787
SNP_P1_15153_37854803	NC_021160.1	Ca_kabuli_chr01	37854803	CC	AA	1940140789
SNP_P1_15154_37854840	NC_021160.1	Ca_kabuli_chr01	37854840	AA	CC	1940140790
SNP_P1_15155_37855517	NC_021160.1	Ca_kabuli_chr01	37855517	GG	AA	1940140791
SNP_P1_15156_37856459	NC_021160.1	Ca_kabuli_chr01	37856459	TT	AA	1940140792
SNP_P1_15157_37862657	NC_021160.1	Ca_kabuli_chr01	37862657	TT	CC	1940140793
SNP_P1_15158_37864025	NC_021160.1	Ca_kabuli_chr01	37864025	CC	GG	1940140794
SNP_P1_15159_37864258	NC_021160.1	Ca_kabuli_chr01	37864258	GG	AA	1940140795
SNP_P1_15160_37864344	NC_021160.1	Ca_kabuli_chr01	37864344	GG	TT	1940140796
SNP_P1_15161_37864364	NC_021160.1	Ca_kabuli_chr01	37864364	AA	CC	1940140797
SNP_P1_15162_37865373	NC_021160.1	Ca_kabuli_chr01	37865373	AA	TT	1940140798
SNP_P1_15163_37866635	NC_021160.1	Ca_kabuli_chr01	37866635	TT	CC	1940140799
SNP_P1_15164_37867038	NC_021160.1	Ca_kabuli_chr01	37867038	TT	GG	1940140800
SNP_P1_15165_37867251	NC_021160.1	Ca_kabuli_chr01	37867251	TT	CC	1940140801
SNP_P1_15166_37867529	NC_021160.1	Ca_kabuli_chr01	37867529	TT	CC	1940140802
SNP_P1_15168_37867755	NC_021160.1	Ca_kabuli_chr01	37867755	AA	GG	1940140803
SNP_P1_15169_37868074	NC_021160.1	Ca_kabuli_chr01	37868074	TT	AA	1940140804
SNP_P1_15170_37868115	NC_021160.1	Ca_kabuli_chr01	37868115	TT	AA	1940140805
SNP_P1_15171_37868745	NC_021160.1	Ca_kabuli_chr01	37868745	TT	GG	1940140806
SNP_P1_15172_37868922	NC_021160.1	Ca_kabuli_chr01	37868922	TT	GG	1940140807
SNP_P1_15173_37869004	NC_021160.1	Ca_kabuli_chr01	37869004	GG	CC	1940140808
SNP_P1_15174_37869374	NC_021160.1	Ca_kabuli_chr01	37869374	TT	CC	1940140809
SNP_P1_15175_37869694	NC_021160.1	Ca_kabuli_chr01	37869694	AA	GG	1940140810
SNP_P1_15176_37869723	NC_021160.1	Ca_kabuli_chr01	37869723	CC	TT	1940140811
SNP_P1_15178_37871837	NC_021160.1	Ca_kabuli_chr01	37871837	GG	AA	1940140812
SNP_P1_15179_37872197	NC_021160.1	Ca_kabuli_chr01	37872197	GG	TT	1940140813
SNP_P1_15181_37873471	NC_021160.1	Ca_kabuli_chr01	37873471	AA	TT	1940140814
SNP_P1_15182_37874700	NC_021160.1	Ca_kabuli_chr01	37874700	GG	CC	1940140815
SNP_P1_15183_37875267	NC_021160.1	Ca_kabuli_chr01	37875267	CC	TT	1940140816
SNP_P1_15184_37876208	NC_021160.1	Ca_kabuli_chr01	37876208	AA	GG	1940140817
SNP_P1_15185_37879061	NC_021160.1	Ca_kabuli_chr01	37879061	CC	AA	1940140818
SNP_P1_15186_37880440	NC_021160.1	Ca_kabuli_chr01	37880440	GG	AA	1940140819
SNP_P1_15188_37882519	NC_021160.1	Ca_kabuli_chr01	37882519	CC	TT	1940140820
SNP_P1_15189_37884157	NC_021160.1	Ca_kabuli_chr01	37884157	GG	TT	1940140822
SNP_P1_15190_37885843	NC_021160.1	Ca_kabuli_chr01	37885843	CC	TT	1940140823
SNP_P1_15191_37888023	NC_021160.1	Ca_kabuli_chr01	37888023	CC	TT	1940140824
SNP_P1_15192_37889419	NC_021160.1	Ca_kabuli_chr01	37889419	GG	CC	1940140825
SNP_P1_15193_37889429	NC_021160.1	Ca_kabuli_chr01	37889429	GG	AA	1940140826
SNP_P1_15194_37890344	NC_021160.1	Ca_kabuli_chr01	37890344	GG	TT	1940140827

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15196_37891068	NC_021160.1	Ca_kabuli_chr01	37891068	CC	GG	1940140829
SNP_P1_15198_37891751	NC_021160.1	Ca_kabuli_chr01	37891751	CC	TT	1940140830
SNP_P1_15199_37891834	NC_021160.1	Ca_kabuli_chr01	37891834	AA	GG	1940140831
SNP_P1_15200_37892139	NC_021160.1	Ca_kabuli_chr01	37892139	AA	TT	1940140832
SNP_P1_15201_37892226	NC_021160.1	Ca_kabuli_chr01	37892226	CC	AA	1940140833
SNP_P1_15202_37893849	NC_021160.1	Ca_kabuli_chr01	37893849	CC	TT	1940140834
SNP_P1_15203_37893885	NC_021160.1	Ca_kabuli_chr01	37893885	AA	GG	1940140835
SNP_P1_15204_37893891	NC_021160.1	Ca_kabuli_chr01	37893891	AA	TT	1940140836
SNP_P1_15205_37893892	NC_021160.1	Ca_kabuli_chr01	37893892	TT	CC	1940140837
SNP_P1_15206_37898403	NC_021160.1	Ca_kabuli_chr01	37898403	CC	TT	1940140838
SNP_P1_15207_37898550	NC_021160.1	Ca_kabuli_chr01	37898550	GG	TT	1940140839
SNP_P1_15208_37898836	NC_021160.1	Ca_kabuli_chr01	37898836	CC	TT	1940140840
SNP_P1_15209_37898854	NC_021160.1	Ca_kabuli_chr01	37898854	GG	AA	1940140841
SNP_P1_15210_37898885	NC_021160.1	Ca_kabuli_chr01	37898885	GG	TT	1940140842
SNP_P1_15211_37899603	NC_021160.1	Ca_kabuli_chr01	37899603	AA	GG	1940140843
SNP_P1_15212_37901776	NC_021160.1	Ca_kabuli_chr01	37901776	GG	AA	1940140844
SNP_P1_15213_37901829	NC_021160.1	Ca_kabuli_chr01	37901829	GG	AA	1940140845
SNP_P1_15214_37902822	NC_021160.1	Ca_kabuli_chr01	37902822	GG	TT	1940140846
SNP_P1_15215_37903462	NC_021160.1	Ca_kabuli_chr01	37903462	AA	GG	1940140847
SNP_P1_15216_37903775	NC_021160.1	Ca_kabuli_chr01	37903775	AA	GG	1940140848
SNP_P1_15217_37904349	NC_021160.1	Ca_kabuli_chr01	37904349	CC	GG	1940140849
SNP_P1_15218_37904836	NC_021160.1	Ca_kabuli_chr01	37904836	TT	CC	1940140850
SNP_P1_15219_37905117	NC_021160.1	Ca_kabuli_chr01	37905117	GG	AA	1940140851
SNP_P1_15220_37906416	NC_021160.1	Ca_kabuli_chr01	37906416	AA	GG	1940140852
SNP_P1_15221_37906467	NC_021160.1	Ca_kabuli_chr01	37906467	TT	AA	1940140853
SNP_P1_15222_37906643	NC_021160.1	Ca_kabuli_chr01	37906643	AA	TT	1940140854
SNP_P1_15223_37906800	NC_021160.1	Ca_kabuli_chr01	37906800	AA	GG	1940140855
SNP_P1_15224_37906833	NC_021160.1	Ca_kabuli_chr01	37906833	GG	CC	1940140856
SNP_P1_15225_37909543	NC_021160.1	Ca_kabuli_chr01	37909543	GG	CC	1940140857
SNP_P1_15227_37909804	NC_021160.1	Ca_kabuli_chr01	37909804	GG	TT	1940140859
SNP_P1_15228_37909810	NC_021160.1	Ca_kabuli_chr01	37909810	GG	AA	1940140860
SNP_P1_15230_37911895	NC_021160.1	Ca_kabuli_chr01	37911895	TT	AA	1940140861
SNP_P1_15231_37913600	NC_021160.1	Ca_kabuli_chr01	37913600	TT	AA	1940140862
SNP_P1_15233_37913690	NC_021160.1	Ca_kabuli_chr01	37913690	AA	CC	1940140863
SNP_P1_15236_37917411	NC_021160.1	Ca_kabuli_chr01	37917411	GG	AA	1940140864
SNP_P1_15237_37917535	NC_021160.1	Ca_kabuli_chr01	37917535	CC	AA	1940140865
SNP_P1_15238_37917571	NC_021160.1	Ca_kabuli_chr01	37917571	GG	AA	1940140866
SNP_P1_15239_37917700	NC_021160.1	Ca_kabuli_chr01	37917700	TT	AA	1940140867
SNP_P1_15240_37917731	NC_021160.1	Ca_kabuli_chr01	37917731	TT	AA	1940140868
SNP_P1_15241_37917767	NC_021160.1	Ca_kabuli_chr01	37917767	AA	TT	1940140869
SNP_P1_15242_37917770	NC_021160.1	Ca_kabuli_chr01	37917770	AA	GG	1940140870

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15246_37918033	NC_021160.1	Ca_kabuli_chr01	37918033	AA	GG	1940140873
SNP_P1_15247_37918086	NC_021160.1	Ca_kabuli_chr01	37918086	TT	CC	1940140874
SNP_P1_15248_37918089	NC_021160.1	Ca_kabuli_chr01	37918089	TT	AA	1940140875
SNP_P1_15249_37918173	NC_021160.1	Ca_kabuli_chr01	37918173	AA	CC	1940140876
SNP_P1_15250_37918296	NC_021160.1	Ca_kabuli_chr01	37918296	CC	TT	1940140877
SNP_P1_15251_37918353	NC_021160.1	Ca_kabuli_chr01	37918353	CC	TT	1940140878
SNP_P1_15252_37918360	NC_021160.1	Ca_kabuli_chr01	37918360	CC	TT	1940140879
SNP_P1_15253_37918364	NC_021160.1	Ca_kabuli_chr01	37918364	GG	AA	1940140880
SNP_P1_15255_37921380	NC_021160.1	Ca_kabuli_chr01	37921380	TT	CC	1940140881
SNP_P1_15256_37921562	NC_021160.1	Ca_kabuli_chr01	37921562	CC	TT	1940140882
SNP_P1_15257_37925926	NC_021160.1	Ca_kabuli_chr01	37925926	GG	AA	1940140883
SNP_P1_15258_37925953	NC_021160.1	Ca_kabuli_chr01	37925953	AA	GG	1940140884
SNP_P1_15259_37925988	NC_021160.1	Ca_kabuli_chr01	37925988	TT	CC	1940140885
SNP_P1_15261_37926211	NC_021160.1	Ca_kabuli_chr01	37926211	AA	CC	1940140886
SNP_P1_15262_37926526	NC_021160.1	Ca_kabuli_chr01	37926526	CC	GG	1940140887
SNP_P1_15263_37926943	NC_021160.1	Ca_kabuli_chr01	37926943	GG	TT	1940140888
SNP_P1_15264_37926983	NC_021160.1	Ca_kabuli_chr01	37926983	CC	GG	1940140889
SNP_P1_15265_37927055	NC_021160.1	Ca_kabuli_chr01	37927055	GG	AA	1940140890
SNP_P1_15266_37927070	NC_021160.1	Ca_kabuli_chr01	37927070	GG	TT	1940140891
SNP_P1_15267_37927110	NC_021160.1	Ca_kabuli_chr01	37927110	CC	TT	1940140892
SNP_P1_15268_37927127	NC_021160.1	Ca_kabuli_chr01	37927127	TT	CC	1940140893
SNP_P1_15269_37927130	NC_021160.1	Ca_kabuli_chr01	37927130	TT	GG	1940140894
SNP_P1_15270_37927207	NC_021160.1	Ca_kabuli_chr01	37927207	GG	AA	1940140895
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SNP_P1_15272_37927227	NC_021160.1	Ca_kabuli_chr01	37927227	GG	AA	1940140897
SNP_P1_15273_37927230	NC_021160.1	Ca_kabuli_chr01	37927230	AA	GG	1940140898
SNP_P1_15274_37927234	NC_021160.1	Ca_kabuli_chr01	37927234	AA	GG	1940140899
SNP_P1_15275_37927235	NC_021160.1	Ca_kabuli_chr01	37927235	AA	GG	1940140900
SNP_P1_15276_37927250	NC_021160.1	Ca_kabuli_chr01	37927250	GG	AA	1940140902
SNP_P1_15277_37927252	NC_021160.1	Ca_kabuli_chr01	37927252	TT	CC	1940140903
SNP_P1_15278_37927306	NC_021160.1	Ca_kabuli_chr01	37927306	CC	GG	1940140904
SNP_P1_15280_37927384	NC_021160.1	Ca_kabuli_chr01	37927384	GG	CC	1940140905
SNP_P1_15281_37927393	NC_021160.1	Ca_kabuli_chr01	37927393	TT	AA	1940140906
SNP_P1_15282_37927577	NC_021160.1	Ca_kabuli_chr01	37927577	CC	GG	1940140907
SNP_P1_15283_37927609	NC_021160.1	Ca_kabuli_chr01	37927609	CC	GG	1940140908
SNP_P1_15284_37927658	NC_021160.1	Ca_kabuli_chr01	37927658	TT	AA	1940140909
SNP_P1_15285_37927679	NC_021160.1	Ca_kabuli_chr01	37927679	TT	CC	1940140910
SNP_P1_15286_37927711	NC_021160.1	Ca_kabuli_chr01	37927711	TT	AA	1940140911
SNP_P1_15287_37927731	NC_021160.1	Ca_kabuli_chr01	37927731	AA	CC	1940140912
SNP_P1_15288_37927772	NC_021160.1	Ca_kabuli_chr01	37927772	AA	GG	1940140913

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15290_37927829	NC_021160.1	Ca_kabuli_chr01	37927829	AA	TT	1940140915
SNP_P1_15292_37928063	NC_021160.1	Ca_kabuli_chr01	37928063	TT	GG	1940140916
SNP_P1_15293_37928138	NC_021160.1	Ca_kabuli_chr01	37928138	CC	TT	1940140917
SNP_P1_15294_37928144	NC_021160.1	Ca_kabuli_chr01	37928144	CC	TT	1940140918
SNP_P1_15295_37928164	NC_021160.1	Ca_kabuli_chr01	37928164	AA	TT	1940140919
SNP_P1_15296_37928246	NC_021160.1	Ca_kabuli_chr01	37928246	TT	GG	1940140920
SNP_P1_15297_37928262	NC_021160.1	Ca_kabuli_chr01	37928262	AA	GG	1940140921
SNP_P1_15298_37928303	NC_021160.1	Ca_kabuli_chr01	37928303	CC	AA	1940140922
SNP_P1_15299_37928384	NC_021160.1	Ca_kabuli_chr01	37928384	GG	AA	1940140923
SNP_P1_15300_37928398	NC_021160.1	Ca_kabuli_chr01	37928398	AA	GG	1940140924
SNP_P1_15302_37928475	NC_021160.1	Ca_kabuli_chr01	37928475	CC	TT	1940140925
SNP_P1_15303_37928560	NC_021160.1	Ca_kabuli_chr01	37928560	TT	GG	1940140926
SNP_P1_15304_37928576	NC_021160.1	Ca_kabuli_chr01	37928576	AA	GG	1940140927
SNP_P1_15305_37928617	NC_021160.1	Ca_kabuli_chr01	37928617	CC	AA	1940140928
SNP_P1_15306_37928712	NC_021160.1	Ca_kabuli_chr01	37928712	AA	GG	1940140929
SNP_P1_15307_37928849	NC_021160.1	Ca_kabuli_chr01	37928849	TT	CC	1940140930
SNP_P1_15309_37928887	NC_021160.1	Ca_kabuli_chr01	37928887	CC	TT	1940140931
SNP_P1_15310_37928919	NC_021160.1	Ca_kabuli_chr01	37928919	AA	CC	1940140932
SNP_P1_15311_37929028	NC_021160.1	Ca_kabuli_chr01	37929028	GG	TT	1940140933
SNP_P1_15312_37929139	NC_021160.1	Ca_kabuli_chr01	37929139	TT	AA	1940140934
SNP_P1_15313_37929152	NC_021160.1	Ca_kabuli_chr01	37929152	CC	GG	1940140935
SNP_P1_15314_37929215	NC_021160.1	Ca_kabuli_chr01	37929215	CC	TT	1940140937
SNP_P1_15315_37929221	NC_021160.1	Ca_kabuli_chr01	37929221	CC	GG	1940140938
SNP_P1_15316_37929247	NC_021160.1	Ca_kabuli_chr01	37929247	GG	TT	1940140939
SNP_P1_15317_37929322	NC_021160.1	Ca_kabuli_chr01	37929322	GG	TT	1940140940
SNP_P1_15318_37929533	NC_021160.1	Ca_kabuli_chr01	37929533	AA	GG	1940140941
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SNP_P1_15320_37929639	NC_021160.1	Ca_kabuli_chr01	37929639	CC	GG	1940140943
SNP_P1_15321_37929641	NC_021160.1	Ca_kabuli_chr01	37929641	AA	GG	1940140944
SNP_P1_15323_37929749	NC_021160.1	Ca_kabuli_chr01	37929749	TT	GG	1940140945
SNP_P1_15324_37929847	NC_021160.1	Ca_kabuli_chr01	37929847	AA	TT	1940140946
SNP_P1_15325_37929865	NC_021160.1	Ca_kabuli_chr01	37929865	TT	CC	1940140947
SNP_P1_15326_37929884	NC_021160.1	Ca_kabuli_chr01	37929884	GG	AA	1940140948
SNP_P1_15327_37929913	NC_021160.1	Ca_kabuli_chr01	37929913	AA	TT	1940140949
SNP_P1_15328_37929976	NC_021160.1	Ca_kabuli_chr01	37929976	AA	GG	1940140950
SNP_P1_15329_37930051	NC_021160.1	Ca_kabuli_chr01	37930051	AA	TT	1940140951
SNP_P1_15330_37930064	NC_021160.1	Ca_kabuli_chr01	37930064	CC	AA	1940140952
SNP_P1_15331_37930199	NC_021160.1	Ca_kabuli_chr01	37930199	AA	TT	1940140953
SNP_P1_15332_37930205	NC_021160.1	Ca_kabuli_chr01	37930205	CC	TT	1940140954
SNP_P1_15333_37930380	NC_021160.1	Ca_kabuli_chr01	37930380	GG	AA	1940140955
SNP_P1_15334_37933132	NC_021160.1	Ca_kabuli_chr01	37933132	GG	AA	1940140956

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15337_37948651	NC_021160.1	Ca_kabuli_chr01	37948651	AA	TT	1940140959
SNP_P1_15338_37948683	NC_021160.1	Ca_kabuli_chr01	37948683	CC	AA	1940140960
SNP_P1_15339_37953737	NC_021160.1	Ca_kabuli_chr01	37953737	CC	TT	1940140961
SNP_P1_15340_37953756	NC_021160.1	Ca_kabuli_chr01	37953756	TT	CC	1940140962
SNP_P1_15341_37954400	NC_021160.1	Ca_kabuli_chr01	37954400	CC	TT	1940140963
SNP_P1_15342_37954519	NC_021160.1	Ca_kabuli_chr01	37954519	TT	AA	1940140964
SNP_P1_15343_37954558	NC_021160.1	Ca_kabuli_chr01	37954558	AA	TT	1940140965
SNP_P1_15344_37954566	NC_021160.1	Ca_kabuli_chr01	37954566	CC	TT	1940140966
SNP_P1_15345_37954586	NC_021160.1	Ca_kabuli_chr01	37954586	AA	GG	1940140968
SNP_P1_15348_37993340	NC_021160.1	Ca_kabuli_chr01	37993340	GG	AA	1940140969
SNP_P1_15349_37993382	NC_021160.1	Ca_kabuli_chr01	37993382	CC	TT	1940140970
SNP_P1_15350_37993407	NC_021160.1	Ca_kabuli_chr01	37993407	AA	GG	1940140971
SNP_P1_15351_37993447	NC_021160.1	Ca_kabuli_chr01	37993447	CC	TT	1940140972
SNP_P1_15352_37993539	NC_021160.1	Ca_kabuli_chr01	37993539	AA	GG	1940140973
SNP_P1_15354_37993864	NC_021160.1	Ca_kabuli_chr01	37993864	AA	CC	1940140974
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SNP_P1_15356_38022106	NC_021160.1	Ca_kabuli_chr01	38022106	AA	GG	1940140976
SNP_P1_15357_38022128	NC_021160.1	Ca_kabuli_chr01	38022128	AA	GG	1940140977
SNP_P1_15358_38022160	NC_021160.1	Ca_kabuli_chr01	38022160	GG	AA	1940140978
SNP_P1_15359_38022172	NC_021160.1	Ca_kabuli_chr01	38022172	GG	AA	1940140979
SNP_P1_15360_38022212	NC_021160.1	Ca_kabuli_chr01	38022212	GG	AA	1940140980
SNP_P1_15361_38022324	NC_021160.1	Ca_kabuli_chr01	38022324	AA	GG	1940140981
SNP_P1_15362_38022500	NC_021160.1	Ca_kabuli_chr01	38022500	CC	TT	1940140982
SNP_P1_15363_38022517	NC_021160.1	Ca_kabuli_chr01	38022517	CC	TT	1940140983
SNP_P1_15364_38022519	NC_021160.1	Ca_kabuli_chr01	38022519	GG	AA	1940140984
SNP_P1_15365_38022535	NC_021160.1	Ca_kabuli_chr01	38022535	GG	TT	1940140985
SNP_P1_15366_38022536	NC_021160.1	Ca_kabuli_chr01	38022536	CC	GG	1940140986
SNP_P1_15367_38022542	NC_021160.1	Ca_kabuli_chr01	38022542	CC	AA	1940140987
SNP_P1_15368_38022554	NC_021160.1	Ca_kabuli_chr01	38022554	CC	TT	1940140988
SNP_P1_15369_38023332	NC_021160.1	Ca_kabuli_chr01	38023332	GG	TT	1940140989
SNP_P1_15370_38023385	NC_021160.1	Ca_kabuli_chr01	38023385	TT	AA	1940140990
SNP_P1_15371_38023677	NC_021160.1	Ca_kabuli_chr01	38023677	CC	TT	1940140991
SNP_P1_15372_38024589	NC_021160.1	Ca_kabuli_chr01	38024589	CC	TT	1940140992
SNP_P1_15373_38024863	NC_021160.1	Ca_kabuli_chr01	38024863	AA	GG	1940140993
SNP_P1_15375_38024954	NC_021160.1	Ca_kabuli_chr01	38024954	GG	AA	1940140994
SNP_P1_15377_38043025	NC_021160.1	Ca_kabuli_chr01	38043025	TT	GG	1940140995
SNP_P1_15378_38043029	NC_021160.1	Ca_kabuli_chr01	38043029	TT	GG	1940140996
SNP_P1_15380_38054778	NC_021160.1	Ca_kabuli_chr01	38054778	CC	GG	1940140997
SNP_P1_15381_38060296	NC_021160.1	Ca_kabuli_chr01	38060296	CC	TT	1940140998
SNP_P1_15382_38060299	NC_021160.1	Ca_kabuli_chr01	38060299	CC	TT	1940140999

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15385_38065060	NC_021160.1	Ca_kabuli_chr01	38065060	GG	AA	1940141001
SNP_P1_15386_38065284	NC_021160.1	Ca_kabuli_chr01	38065284	TT	CC	1940141002
SNP_P1_15387_38065291	NC_021160.1	Ca_kabuli_chr01	38065291	GG	TT	1940141003
SNP_P1_15388_38066127	NC_021160.1	Ca_kabuli_chr01	38066127	CC	GG	1940141004
SNP_P1_15389_38066224	NC_021160.1	Ca_kabuli_chr01	38066224	GG	AA	1940141005
SNP_P1_15390_38066629	NC_021160.1	Ca_kabuli_chr01	38066629	TT	GG	1940141006
SNP_P1_15391_38066745	NC_021160.1	Ca_kabuli_chr01	38066745	TT	CC	1940141007
SNP_P1_15392_38067082	NC_021160.1	Ca_kabuli_chr01	38067082	GG	AA	1940141008
SNP_P1_15393_38067092	NC_021160.1	Ca_kabuli_chr01	38067092	AA	GG	1940141009
SNP_P1_15395_38067177	NC_021160.1	Ca_kabuli_chr01	38067177	AA	TT	1940141010
SNP_P1_15396_38067288	NC_021160.1	Ca_kabuli_chr01	38067288	AA	CC	1940141012
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SNP_P1_15398_38069516	NC_021160.1	Ca_kabuli_chr01	38069516	GG	AA	1940141014
SNP_P1_15399_38069719	NC_021160.1	Ca_kabuli_chr01	38069719	GG	TT	1940141015
SNP_P1_15400_38069896	NC_021160.1	Ca_kabuli_chr01	38069896	CC	TT	1940141016
SNP_P1_15401_38069917	NC_021160.1	Ca_kabuli_chr01	38069917	AA	GG	1940141017
SNP_P1_15402_38070062	NC_021160.1	Ca_kabuli_chr01	38070062	AA	TT	1940141018
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SNP_P1_15416_38088580	NC_021160.1	Ca_kabuli_chr01	38088580	GG	TT	1940141029
SNP_P1_15418_38089084	NC_021160.1	Ca_kabuli_chr01	38089084	AA	GG	1940141030
SNP_P1_15419_38089195	NC_021160.1	Ca_kabuli_chr01	38089195	GG	CC	1940141031
SNP_P1_15420_38089631	NC_021160.1	Ca_kabuli_chr01	38089631	TT	AA	1940141032
SNP_P1_15421_38089659	NC_021160.1	Ca_kabuli_chr01	38089659	AA	GG	1940141033
SNP_P1_15422_38089730	NC_021160.1	Ca_kabuli_chr01	38089730	TT	CC	1940141034
SNP_P1_15423_38090117	NC_021160.1	Ca_kabuli_chr01	38090117	AA	TT	1940141035
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SNP_P1_15426_38091697	NC_021160.1	Ca_kabuli_chr01	38091697	TT	AA	1940141037
SNP_P1_15428_38092057	NC_021160.1	Ca_kabuli_chr01	38092057	GG	AA	1940141038
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SNP_P1_15430_38104193	NC_021160.1	Ca_kabuli_chr01	38104193	CC	TT	1940141040
SNP_P1_15431_38104534	NC_021160.1	Ca_kabuli_chr01	38104534	TT	AA	1940141041
SNP_P1_15432_38105410	NC_021160.1	Ca_kabuli_chr01	38105410	AA	GG	1940141042

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15437_38106138	NC_021160.1	Ca_kabuli_chr01	38106138	AA	GG	1940141046
SNP_P1_15438_38106472	NC_021160.1	Ca_kabuli_chr01	38106472	GG	AA	1940141047
SNP_P1_15440_38107002	NC_021160.1	Ca_kabuli_chr01	38107002	CC	TT	1940141048
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SNP_P1_15445_38107249	NC_021160.1	Ca_kabuli_chr01	38107249	GG	AA	1940141054
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SNP_P1_15447_38107365	NC_021160.1	Ca_kabuli_chr01	38107365	AA	CC	1940141056
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SNP_P1_15450_38107588	NC_021160.1	Ca_kabuli_chr01	38107588	GG	AA	1940141059
SNP_P1_15451_38107594	NC_021160.1	Ca_kabuli_chr01	38107594	TT	AA	1940141060
SNP_P1_15452_38107798	NC_021160.1	Ca_kabuli_chr01	38107798	AA	GG	1940141061
SNP_P1_15453_38108575	NC_021160.1	Ca_kabuli_chr01	38108575	GG	AA	1940141062
SNP_P1_15454_38108589	NC_021160.1	Ca_kabuli_chr01	38108589	GG	AA	1940141063
SNP_P1_15455_38108641	NC_021160.1	Ca_kabuli_chr01	38108641	AA	GG	1940141064
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SNP_P1_15457_38109325	NC_021160.1	Ca_kabuli_chr01	38109325	TT	CC	1940141066
SNP_P1_15459_38110587	NC_021160.1	Ca_kabuli_chr01	38110587	GG	AA	1940141067
SNP_P1_15460_38110722	NC_021160.1	Ca_kabuli_chr01	38110722	GG	AA	1940141068
SNP_P1_15461_38110736	NC_021160.1	Ca_kabuli_chr01	38110736	CC	TT	1940141069
SNP_P1_15463_38110991	NC_021160.1	Ca_kabuli_chr01	38110991	GG	AA	1940141070
SNP_P1_15464_38110995	NC_021160.1	Ca_kabuli_chr01	38110995	GG	CC	1940141071
SNP_P1_15465_38111645	NC_021160.1	Ca_kabuli_chr01	38111645	CC	TT	1940141072
SNP_P1_15466_38111896	NC_021160.1	Ca_kabuli_chr01	38111896	CC	TT	1940141073
SNP_P1_15467_38111897	NC_021160.1	Ca_kabuli_chr01	38111897	AA	GG	1940141074
SNP_P1_15468_38111942	NC_021160.1	Ca_kabuli_chr01	38111942	TT	CC	1940141075
SNP_P1_15469_38111953	NC_021160.1	Ca_kabuli_chr01	38111953	AA	TT	1940141076
SNP_P1_15470_38111996	NC_021160.1	Ca_kabuli_chr01	38111996	TT	CC	1940141077
SNP_P1_15471_38112048	NC_021160.1	Ca_kabuli_chr01	38112048	AA	CC	1940141078
SNP_P1_15472_38112214	NC_021160.1	Ca_kabuli_chr01	38112214	AA	GG	1940141079
SNP_P1_15473_38112228	NC_021160.1	Ca_kabuli_chr01	38112228	TT	AA	1940141080
SNP_P1_15474_38112241	NC_021160.1	Ca_kabuli_chr01	38112241	TT	CC	1940141081
SNP_P1_15475_38112955	NC_021160.1	Ca_kabuli_chr01	38112955	GG	AA	1940141082
SNP_P1_15476_38113164	NC_021160.1	Ca_kabuli_chr01	38113164	AA	GG	1940141083
SNP_P1_15477_38113219	NC_021160.1	Ca_kabuli_chr01	38113219	TT	CC	1940141084
SNP_P1_15478_38113280	NC_021160.1	Ca_kabuli_chr01	38113280	GG	AA	1940141085

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15480_38113399	NC_021160.1	Ca_kabuli_chr01	38113399	TT	AA	1940141087
SNP_P1_15481_38113407	NC_021160.1	Ca_kabuli_chr01	38113407	TT	CC	1940141088
SNP_P1_15482_38113610	NC_021160.1	Ca_kabuli_chr01	38113610	CC	GG	1940141089
SNP_P1_15483_38113681	NC_021160.1	Ca_kabuli_chr01	38113681	AA	GG	1940141090
SNP_P1_15484_38114895	NC_021160.1	Ca_kabuli_chr01	38114895	TT	CC	1940141091
SNP_P1_15486_38115020	NC_021160.1	Ca_kabuli_chr01	38115020	AA	TT	1940141092
SNP_P1_15487_38115780	NC_021160.1	Ca_kabuli_chr01	38115780	CC	TT	1940141093
SNP_P1_15488_38115792	NC_021160.1	Ca_kabuli_chr01	38115792	CC	TT	1940141094
SNP_P1_15489_38115864	NC_021160.1	Ca_kabuli_chr01	38115864	CC	TT	1940141095
SNP_P1_15490_38116573	NC_021160.1	Ca_kabuli_chr01	38116573	CC	AA	1940141096
SNP_P1_15491_38116587	NC_021160.1	Ca_kabuli_chr01	38116587	GG	AA	1940141097
SNP_P1_15492_38116646	NC_021160.1	Ca_kabuli_chr01	38116646	CC	AA	1940141098
SNP_P1_15493_38116873	NC_021160.1	Ca_kabuli_chr01	38116873	AA	GG	1940141099
SNP_P1_15494_38116886	NC_021160.1	Ca_kabuli_chr01	38116886	CC	AA	1940141100
SNP_P1_15495_38116887	NC_021160.1	Ca_kabuli_chr01	38116887	AA	TT	1940141102
SNP_P1_15496_38116918	NC_021160.1	Ca_kabuli_chr01	38116918	AA	GG	1940141103
SNP_P1_15497_38123304	NC_021160.1	Ca_kabuli_chr01	38123304	TT	AA	1940141104
SNP_P1_15498_38123313	NC_021160.1	Ca_kabuli_chr01	38123313	CC	TT	1940141105
SNP_P1_15499_38123325	NC_021160.1	Ca_kabuli_chr01	38123325	CC	TT	1940141106
SNP_P1_15500_38123542	NC_021160.1	Ca_kabuli_chr01	38123542	CC	TT	1940141107
SNP_P1_15501_38123643	NC_021160.1	Ca_kabuli_chr01	38123643	AA	CC	1940141108
SNP_P1_15502_38123875	NC_021160.1	Ca_kabuli_chr01	38123875	AA	GG	1940141109
SNP_P1_15503_38124374	NC_021160.1	Ca_kabuli_chr01	38124374	GG	TT	1940141110
SNP_P1_15504_38124387	NC_021160.1	Ca_kabuli_chr01	38124387	CC	AA	1940141111
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SNP_P1_15506_38124697	NC_021160.1	Ca_kabuli_chr01	38124697	TT	CC	1940141113
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SNP_P1_15508_38125010	NC_021160.1	Ca_kabuli_chr01	38125010	TT	CC	1940141115
SNP_P1_15509_38125011	NC_021160.1	Ca_kabuli_chr01	38125011	CC	GG	1940141116
SNP_P1_15510_38125044	NC_021160.1	Ca_kabuli_chr01	38125044	AA	TT	1940141117
SNP_P1_15511_38125046	NC_021160.1	Ca_kabuli_chr01	38125046	AA	TT	1940141118
SNP_P1_15512_38125555	NC_021160.1	Ca_kabuli_chr01	38125555	CC	TT	1940141119
SNP_P1_15513_38125649	NC_021160.1	Ca_kabuli_chr01	38125649	AA	CC	1940141120
SNP_P1_15514_38125855	NC_021160.1	Ca_kabuli_chr01	38125855	AA	GG	1940141121
SNP_P1_15515_38125868	NC_021160.1	Ca_kabuli_chr01	38125868	TT	CC	1940141122
SNP_P1_15516_38125908	NC_021160.1	Ca_kabuli_chr01	38125908	TT	AA	1940141123
SNP_P1_15517_38126227	NC_021160.1	Ca_kabuli_chr01	38126227	TT	CC	1940141124
SNP_P1_15518_38126506	NC_021160.1	Ca_kabuli_chr01	38126506	GG	AA	1940141125
SNP_P1_15519_38127001	NC_021160.1	Ca_kabuli_chr01	38127001	TT	CC	1940141126
SNP_P1_15520_38127278	NC_021160.1	Ca_kabuli_chr01	38127278	GG	AA	1940141127
SNP_P1_15521_38127290	NC_021160.1	Ca_kabuli_chr01	38127290	TT	CC	1940141128

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15524_38127610	NC_021160.1	Ca_kabuli_chr01	38127610	AA	GG	1940141130
SNP_P1_15525_38128013	NC_021160.1	Ca_kabuli_chr01	38128013	AA	GG	1940141131
SNP_P1_15526_38128162	NC_021160.1	Ca_kabuli_chr01	38128162	AA	CC	1940141132
SNP_P1_15527_38128184	NC_021160.1	Ca_kabuli_chr01	38128184	TT	GG	1940141133
SNP_P1_15528_38129290	NC_021160.1	Ca_kabuli_chr01	38129290	AA	CC	1940141135
SNP_P1_15529_38129358	NC_021160.1	Ca_kabuli_chr01	38129358	TT	CC	1940141136
SNP_P1_15530_38129685	NC_021160.1	Ca_kabuli_chr01	38129685	CC	GG	1940141137
SNP_P1_15531_38130221	NC_021160.1	Ca_kabuli_chr01	38130221	GG	AA	1940141138
SNP_P1_15533_38130364	NC_021160.1	Ca_kabuli_chr01	38130364	TT	GG	1940141139
SNP_P1_15534_38130366	NC_021160.1	Ca_kabuli_chr01	38130366	TT	CC	1940141140
SNP_P1_15535_38130370	NC_021160.1	Ca_kabuli_chr01	38130370	GG	TT	1940141141
SNP_P1_15536_38130430	NC_021160.1	Ca_kabuli_chr01	38130430	TT	CC	1940141142
SNP_P1_15537_38130706	NC_021160.1	Ca_kabuli_chr01	38130706	TT	AA	1940141143
SNP_P1_15538_38130717	NC_021160.1	Ca_kabuli_chr01	38130717	CC	TT	1940141144
SNP_P1_15539_38130733	NC_021160.1	Ca_kabuli_chr01	38130733	AA	GG	1940141145
SNP_P1_15540_38130745	NC_021160.1	Ca_kabuli_chr01	38130745	AA	GG	1940141146
SNP_P1_15541_38131277	NC_021160.1	Ca_kabuli_chr01	38131277	AA	GG	1940141147
SNP_P1_15542_38131282	NC_021160.1	Ca_kabuli_chr01	38131282	TT	GG	1940141148
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SNP_P1_15544_38131332	NC_021160.1	Ca_kabuli_chr01	38131332	CC	AA	1940141150
SNP_P1_15545_38131582	NC_021160.1	Ca_kabuli_chr01	38131582	AA	GG	1940141151
SNP_P1_15547_38131615	NC_021160.1	Ca_kabuli_chr01	38131615	TT	AA	1940141152
SNP_P1_15548_38131670	NC_021160.1	Ca_kabuli_chr01	38131670	GG	CC	1940141153
SNP_P1_15549_38131693	NC_021160.1	Ca_kabuli_chr01	38131693	AA	GG	1940141154
SNP_P1_15550_38131908	NC_021160.1	Ca_kabuli_chr01	38131908	TT	CC	1940141155
SNP_P1_15551_38131988	NC_021160.1	Ca_kabuli_chr01	38131988	AA	GG	1940141156
SNP_P1_15552_38132001	NC_021160.1	Ca_kabuli_chr01	38132001	GG	TT	1940141157
SNP_P1_15553_38132061	NC_021160.1	Ca_kabuli_chr01	38132061	AA	TT	1940141158
SNP_P1_15555_38132434	NC_021160.1	Ca_kabuli_chr01	38132434	GG	CC	1940141159
SNP_P1_15556_38132515	NC_021160.1	Ca_kabuli_chr01	38132515	AA	GG	1940141160
SNP_P1_15557_38132531	NC_021160.1	Ca_kabuli_chr01	38132531	TT	CC	1940141161
SNP_P1_15558_38132652	NC_021160.1	Ca_kabuli_chr01	38132652	TT	CC	1940141163
SNP_P1_15559_38132692	NC_021160.1	Ca_kabuli_chr01	38132692	CC	GG	1940141164
SNP_P1_15560_38133237	NC_021160.1	Ca_kabuli_chr01	38133237	TT	CC	1940141165
SNP_P1_15561_38133629	NC_021160.1	Ca_kabuli_chr01	38133629	GG	AA	1940141166
SNP_P1_15562_38133896	NC_021160.1	Ca_kabuli_chr01	38133896	GG	AA	1940141167
SNP_P1_15563_38134186	NC_021160.1	Ca_kabuli_chr01	38134186	CC	TT	1940141168
SNP_P1_15564_38134194	NC_021160.1	Ca_kabuli_chr01	38134194	TT	AA	1940141169
SNP_P1_15565_38134270	NC_021160.1	Ca_kabuli_chr01	38134270	AA	GG	1940141170
SNP_P1_15566_38134624	NC_021160.1	Ca_kabuli_chr01	38134624	GG	AA	1940141171
SNP_P1_15567_38134666	NC_021160.1	Ca_kabuli_chr01	38134666	AA	TT	1940141172

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15571_38139744	NC_021160.1	Ca_kabuli_chr01	38139744	AA	GG	1940141175
SNP_P1_15572_38139957	NC_021160.1	Ca_kabuli_chr01	38139957	TT	CC	1940141176
SNP_P1_15573_38140024	NC_021160.1	Ca_kabuli_chr01	38140024	GG	TT	1940141177
SNP_P1_15574_38140714	NC_021160.1	Ca_kabuli_chr01	38140714	AA	GG	1940141178
SNP_P1_15575_38141150	NC_021160.1	Ca_kabuli_chr01	38141150	TT	AA	1940141179
SNP_P1_15576_38141431	NC_021160.1	Ca_kabuli_chr01	38141431	GG	AA	1940141180
SNP_P1_15578_38141646	NC_021160.1	Ca_kabuli_chr01	38141646	AA	CC	1940141181
SNP_P1_15579_38141856	NC_021160.1	Ca_kabuli_chr01	38141856	TT	AA	1940141182
SNP_P1_15581_38142094	NC_021160.1	Ca_kabuli_chr01	38142094	TT	CC	1940141183
SNP_P1_15582_38142218	NC_021160.1	Ca_kabuli_chr01	38142218	CC	TT	1940141184
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SNP_P1_15585_38142477	NC_021160.1	Ca_kabuli_chr01	38142477	CC	AA	1940141187
SNP_P1_15586_38142479	NC_021160.1	Ca_kabuli_chr01	38142479	AA	GG	1940141188
SNP_P1_15587_38142691	NC_021160.1	Ca_kabuli_chr01	38142691	CC	TT	1940141189
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SNP_P1_15591_38144170	NC_021160.1	Ca_kabuli_chr01	38144170	GG	TT	1940141193
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SNP_P1_15595_38145006	NC_021160.1	Ca_kabuli_chr01	38145006	AA	GG	1940141198
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SNP_P1_15601_38147925	NC_021160.1	Ca_kabuli_chr01	38147925	GG	AA	1940141201
SNP_P1_15602_38147990	NC_021160.1	Ca_kabuli_chr01	38147990	AA	GG	1940141202
SNP_P1_15603_38148287	NC_021160.1	Ca_kabuli_chr01	38148287	TT	GG	1940141203
SNP_P1_15604_38148307	NC_021160.1	Ca_kabuli_chr01	38148307	GG	AA	1940141204
SNP_P1_15605_38148421	NC_021160.1	Ca_kabuli_chr01	38148421	CC	TT	1940141205
SNP_P1_15607_38150106	NC_021160.1	Ca_kabuli_chr01	38150106	GG	CC	1940141206
SNP_P1_15608_38150454	NC_021160.1	Ca_kabuli_chr01	38150454	GG	AA	1940141207
SNP_P1_15609_38150496	NC_021160.1	Ca_kabuli_chr01	38150496	AA	TT	1940141208
SNP_P1_15610_38150525	NC_021160.1	Ca_kabuli_chr01	38150525	AA	CC	1940141209
SNP_P1_15612_38164202	NC_021160.1	Ca_kabuli_chr01	38164202	GG	AA	1940141210
SNP_P1_15613_38164214	NC_021160.1	Ca_kabuli_chr01	38164214	AA	GG	1940141211
SNP_P1_15614_38164338	NC_021160.1	Ca_kabuli_chr01	38164338	CC	GG	1940141212
SNP_P1_15615_38164891	NC_021160.1	Ca_kabuli_chr01	38164891	GG	AA	1940141213
SNP_P1_15616_38167379	NC_021160.1	Ca_kabuli_chr01	38167379	AA	GG	1940141214
SNP_P1_15617_38167739	NC_021160.1	Ca_kabuli_chr01	38167739	TT	CC	1940141215

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15620_38170035	NC_021160.1	Ca_kabuli_chr01	38170035	CC	TT	1940141218
SNP_P1_15622_38177534	NC_021160.1	Ca_kabuli_chr01	38177534	GG	AA	1940141219
SNP_P1_15623_38177665	NC_021160.1	Ca_kabuli_chr01	38177665	CC	TT	1940141220
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SNP_P1_15625_38177793	NC_021160.1	Ca_kabuli_chr01	38177793	GG	AA	1940141222
SNP_P1_15626_38177851	NC_021160.1	Ca_kabuli_chr01	38177851	CC	TT	1940141223
SNP_P1_15627_38177859	NC_021160.1	Ca_kabuli_chr01	38177859	AA	GG	1940141224
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SNP_P1_15629_38178335	NC_021160.1	Ca_kabuli_chr01	38178335	TT	CC	1940141226
SNP_P1_15630_38178358	NC_021160.1	Ca_kabuli_chr01	38178358	TT	CC	1940141227
SNP_P1_15631_38178363	NC_021160.1	Ca_kabuli_chr01	38178363	GG	AA	1940141228
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SNP_P1_15633_38178534	NC_021160.1	Ca_kabuli_chr01	38178534	AA	GG	1940141231
SNP_P1_15634_38178762	NC_021160.1	Ca_kabuli_chr01	38178762	CC	TT	1940141232
SNP_P1_15635_38180103	NC_021160.1	Ca_kabuli_chr01	38180103	AA	TT	1940141233
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SNP_P1_15640_38181987	NC_021160.1	Ca_kabuli_chr01	38181987	AA	TT	1940141238
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SNP_P1_15642_38182506	NC_021160.1	Ca_kabuli_chr01	38182506	TT	AA	1940141240
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SNP_P1_15644_38182752	NC_021160.1	Ca_kabuli_chr01	38182752	GG	AA	1940141242
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SNP_P1_15647_38183238	NC_021160.1	Ca_kabuli_chr01	38183238	TT	GG	1940141245
SNP_P1_15648_38184136	NC_021160.1	Ca_kabuli_chr01	38184136	GG	AA	1940141246
SNP_P1_15649_38184203	NC_021160.1	Ca_kabuli_chr01	38184203	TT	GG	1940141247
SNP_P1_15650_38184232	NC_021160.1	Ca_kabuli_chr01	38184232	AA	GG	1940141248
SNP_P1_15652_38186100	NC_021160.1	Ca_kabuli_chr01	38186100	TT	GG	1940141249
SNP_P1_15653_38186180	NC_021160.1	Ca_kabuli_chr01	38186180	TT	CC	1940141250
SNP_P1_15654_38186183	NC_021160.1	Ca_kabuli_chr01	38186183	TT	AA	1940141251
SNP_P1_15655_38186532	NC_021160.1	Ca_kabuli_chr01	38186532	AA	GG	1940141252
SNP_P1_15657_38187372	NC_021160.1	Ca_kabuli_chr01	38187372	TT	GG	1940141253
SNP_P1_15658_38187713	NC_021160.1	Ca_kabuli_chr01	38187713	TT	CC	1940141254
SNP_P1_15659_38188314	NC_021160.1	Ca_kabuli_chr01	38188314	CC	TT	1940141255
SNP_P1_15660_38188804	NC_021160.1	Ca_kabuli_chr01	38188804	TT	CC	1940141256
SNP_P1_15661_38189407	NC_021160.1	Ca_kabuli_chr01	38189407	GG	AA	1940141257
SNP_P1_15662_38189544	NC_021160.1	Ca_kabuli_chr01	38189544	AA	GG	1940141258

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15664_38189783	NC_021160.1	Ca_kabuli_chr01	38189783	CC	GG	1940141260
SNP_P1_15666_38191098	NC_021160.1	Ca_kabuli_chr01	38191098	GG	TT	1940141261
SNP_P1_15667_38192727	NC_021160.1	Ca_kabuli_chr01	38192727	GG	AA	1940141262
SNP_P1_15671_38195111	NC_021160.1	Ca_kabuli_chr01	38195111	TT	CC	1940141264
SNP_P1_15672_38195128	NC_021160.1	Ca_kabuli_chr01	38195128	AA	GG	1940141265
SNP_P1_15673_38195155	NC_021160.1	Ca_kabuli_chr01	38195155	GG	AA	1940141266
SNP_P1_15674_38195237	NC_021160.1	Ca_kabuli_chr01	38195237	AA	TT	1940141267
SNP_P1_15675_38195273	NC_021160.1	Ca_kabuli_chr01	38195273	AA	CC	1940141268
SNP_P1_15676_38195323	NC_021160.1	Ca_kabuli_chr01	38195323	TT	CC	1940141269
SNP_P1_15677_38195651	NC_021160.1	Ca_kabuli_chr01	38195651	GG	TT	1940141270
SNP_P1_15678_38195724	NC_021160.1	Ca_kabuli_chr01	38195724	CC	TT	1940141271
SNP_P1_15680_38198227	NC_021160.1	Ca_kabuli_chr01	38198227	AA	GG	1940141272
SNP_P1_15681_38198450	NC_021160.1	Ca_kabuli_chr01	38198450	AA	GG	1940141273
SNP_P1_15682_38201003	NC_021160.1	Ca_kabuli_chr01	38201003	CC	TT	1940141274
SNP_P1_15683_38201951	NC_021160.1	Ca_kabuli_chr01	38201951	AA	GG	1940141275
SNP_P1_15684_38202077	NC_021160.1	Ca_kabuli_chr01	38202077	TT	CC	1940141276
SNP_P1_15685_38202653	NC_021160.1	Ca_kabuli_chr01	38202653	AA	GG	1940141277
SNP_P1_15686_38202656	NC_021160.1	Ca_kabuli_chr01	38202656	GG	AA	1940141278
SNP_P1_15687_38203040	NC_021160.1	Ca_kabuli_chr01	38203040	AA	GG	1940141279
SNP_P1_15688_38214944	NC_021160.1	Ca_kabuli_chr01	38214944	GG	AA	1940141280
SNP_P1_15689_38214989	NC_021160.1	Ca_kabuli_chr01	38214989	GG	TT	1940141281
SNP_P1_15690_38215928	NC_021160.1	Ca_kabuli_chr01	38215928	TT	CC	1940141282
SNP_P1_15692_38217297	NC_021160.1	Ca_kabuli_chr01	38217297	TT	CC	1940141283
SNP_P1_15693_38219048	NC_021160.1	Ca_kabuli_chr01	38219048	TT	CC	1940141284
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SNP_P1_15697_38222747	NC_021160.1	Ca_kabuli_chr01	38222747	CC	TT	1940141288
SNP_P1_15698_38222783	NC_021160.1	Ca_kabuli_chr01	38222783	CC	TT	1940141289
SNP_P1_15699_38222872	NC_021160.1	Ca_kabuli_chr01	38222872	GG	TT	1940141290
SNP_P1_15702_38225858	NC_021160.1	Ca_kabuli_chr01	38225858	CC	AA	1940141291
SNP_P1_15703_38225872	NC_021160.1	Ca_kabuli_chr01	38225872	TT	AA	1940141292
SNP_P1_15704_38226172	NC_021160.1	Ca_kabuli_chr01	38226172	TT	CC	1940141293
SNP_P1_15705_38226440	NC_021160.1	Ca_kabuli_chr01	38226440	AA	GG	1940141294
SNP_P1_15706_38226503	NC_021160.1	Ca_kabuli_chr01	38226503	TT	AA	1940141295
SNP_P1_15707_38227463	NC_021160.1	Ca_kabuli_chr01	38227463	CC	GG	1940141296
SNP_P1_15708_38227938	NC_021160.1	Ca_kabuli_chr01	38227938	AA	GG	1940141297
SNP_P1_15709_38228160	NC_021160.1	Ca_kabuli_chr01	38228160	TT	CC	1940141298
SNP_P1_15710_38228192	NC_021160.1	Ca_kabuli_chr01	38228192	AA	GG	1940141299
SNP_P1_15711_38228604	NC_021160.1	Ca_kabuli_chr01	38228604	GG	CC	1940141301
SNP_P1_15712_38228612	NC_021160.1	Ca_kabuli_chr01	38228612	GG	TT	1940141302

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15714_38228698	NC_021160.1	Ca_kabuli_chr01	38228698	TT	GG	1940141304
SNP_P1_15715_38228784	NC_021160.1	Ca_kabuli_chr01	38228784	CC	TT	1940141305
SNP_P1_15716_38228986	NC_021160.1	Ca_kabuli_chr01	38228986	TT	AA	1940141306
SNP_P1_15717_38229007	NC_021160.1	Ca_kabuli_chr01	38229007	AA	CC	1940141307
SNP_P1_15718_38229592	NC_021160.1	Ca_kabuli_chr01	38229592	TT	GG	1940141308
SNP_P1_15719_38229785	NC_021160.1	Ca_kabuli_chr01	38229785	TT	CC	1940141309
SNP_P1_15721_38229867	NC_021160.1	Ca_kabuli_chr01	38229867	TT	CC	1940141310
SNP_P1_15722_38230357	NC_021160.1	Ca_kabuli_chr01	38230357	GG	TT	1940141311
SNP_P1_15723_38230721	NC_021160.1	Ca_kabuli_chr01	38230721	TT	AA	1940141312
SNP_P1_15724_38230990	NC_021160.1	Ca_kabuli_chr01	38230990	TT	AA	1940141313
SNP_P1_15725_38231005	NC_021160.1	Ca_kabuli_chr01	38231005	AA	GG	1940141314
SNP_P1_15726_38231027	NC_021160.1	Ca_kabuli_chr01	38231027	TT	CC	1940141315
SNP_P1_15727_38233851	NC_021160.1	Ca_kabuli_chr01	38233851	GG	AA	1940141316
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SNP_P1_15730_38236654	NC_021160.1	Ca_kabuli_chr01	38236654	TT	GG	1940141319
SNP_P1_15731_38236658	NC_021160.1	Ca_kabuli_chr01	38236658	CC	TT	1940141320
SNP_P1_15732_38236826	NC_021160.1	Ca_kabuli_chr01	38236826	AA	TT	1940141321
SNP_P1_15733_38236839	NC_021160.1	Ca_kabuli_chr01	38236839	CC	TT	1940141322
SNP_P1_15734_38236853	NC_021160.1	Ca_kabuli_chr01	38236853	CC	AA	1940141323
SNP_P1_15735_38236863	NC_021160.1	Ca_kabuli_chr01	38236863	GG	TT	1940141324
SNP_P1_15736_38240531	NC_021160.1	Ca_kabuli_chr01	38240531	TT	CC	1940141325
SNP_P1_15738_38241764	NC_021160.1	Ca_kabuli_chr01	38241764	TT	CC	1940141326
SNP_P1_15739_38241915	NC_021160.1	Ca_kabuli_chr01	38241915	CC	TT	1940141327
SNP_P1_15740_38242219	NC_021160.1	Ca_kabuli_chr01	38242219	CC	TT	1940141328
SNP_P1_15741_38242251	NC_021160.1	Ca_kabuli_chr01	38242251	AA	CC	1940141329
SNP_P1_15742_38242295	NC_021160.1	Ca_kabuli_chr01	38242295	TT	CC	1940141330
SNP_P1_15743_38242297	NC_021160.1	Ca_kabuli_chr01	38242297	AA	CC	1940141331
SNP_P1_15744_38242304	NC_021160.1	Ca_kabuli_chr01	38242304	AA	GG	1940141332
SNP_P1_15745_38242330	NC_021160.1	Ca_kabuli_chr01	38242330	AA	CC	1940141334
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SNP_P1_15748_38243289	NC_021160.1	Ca_kabuli_chr01	38243289	CC	GG	1940141337
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SNP_P1_15751_38246048	NC_021160.1	Ca_kabuli_chr01	38246048	TT	GG	1940141339
SNP_P1_15752_38246195	NC_021160.1	Ca_kabuli_chr01	38246195	CC	GG	1940141340
SNP_P1_15753_38246631	NC_021160.1	Ca_kabuli_chr01	38246631	GG	CC	1940141341
SNP_P1_15754_38246933	NC_021160.1	Ca_kabuli_chr01	38246933	AA	GG	1940141342
SNP_P1_15756_38249451	NC_021160.1	Ca_kabuli_chr01	38249451	TT	CC	1940141343
SNP_P1_15757_38249488	NC_021160.1	Ca_kabuli_chr01	38249488	GG	AA	1940141344
SNP_P1_15758_38249742	NC_021160.1	Ca_kabuli_chr01	38249742	AA	TT	1940141345

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15760_38249933	NC_021160.1	Ca_kabuli_chr01	38249933	AA	GG	1940141347
SNP_P1_15761_38250749	NC_021160.1	Ca_kabuli_chr01	38250749	CC	AA	1940141348
SNP_P1_15762_38251077	NC_021160.1	Ca_kabuli_chr01	38251077	GG	TT	1940141349
SNP_P1_15763_38251745	NC_021160.1	Ca_kabuli_chr01	38251745	CC	TT	1940141350
SNP_P1_15764_38251752	NC_021160.1	Ca_kabuli_chr01	38251752	TT	AA	1940141351
SNP_P1_15765_38252809	NC_021160.1	Ca_kabuli_chr01	38252809	GG	AA	1940141352
SNP_P1_15766_38261827	NC_021160.1	Ca_kabuli_chr01	38261827	CC	TT	1940141353
SNP_P1_15767_38261860	NC_021160.1	Ca_kabuli_chr01	38261860	CC	TT	1940141354
SNP_P1_15768_38261923	NC_021160.1	Ca_kabuli_chr01	38261923	AA	GG	1940141355
SNP_P1_15770_38262374	NC_021160.1	Ca_kabuli_chr01	38262374	AA	GG	1940141356
SNP_P1_15771_38262450	NC_021160.1	Ca_kabuli_chr01	38262450	TT	CC	1940141357
SNP_P1_15772_38263038	NC_021160.1	Ca_kabuli_chr01	38263038	GG	AA	1940141358
SNP_P1_15773_38263073	NC_021160.1	Ca_kabuli_chr01	38263073	TT	CC	1940141359
SNP_P1_15774_38263381	NC_021160.1	Ca_kabuli_chr01	38263381	CC	TT	1940141360
SNP_P1_15775_38264170	NC_021160.1	Ca_kabuli_chr01	38264170	AA	GG	1940141361
SNP_P1_15776_38265779	NC_021160.1	Ca_kabuli_chr01	38265779	AA	TT	1940141362
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SNP_P1_15778_38266909	NC_021160.1	Ca_kabuli_chr01	38266909	CC	AA	1940141364
SNP_P1_15779_38267049	NC_021160.1	Ca_kabuli_chr01	38267049	GG	TT	1940141365
SNP_P1_15781_38267328	NC_021160.1	Ca_kabuli_chr01	38267328	AA	GG	1940141366
SNP_P1_15782_38270300	NC_021160.1	Ca_kabuli_chr01	38270300	AA	GG	1940141367
SNP_P1_15783_38272523	NC_021160.1	Ca_kabuli_chr01	38272523	GG	AA	1940141368
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SNP_P1_15790_38274292	NC_021160.1	Ca_kabuli_chr01	38274292	TT	GG	1940141375
SNP_P1_15791_38276326	NC_021160.1	Ca_kabuli_chr01	38276326	AA	GG	1940141376
SNP_P1_15792_38277890	NC_021160.1	Ca_kabuli_chr01	38277890	TT	GG	1940141377
SNP_P1_15793_38277904	NC_021160.1	Ca_kabuli_chr01	38277904	AA	CC	1940141378
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SNP_P1_15795_38278488	NC_021160.1	Ca_kabuli_chr01	38278488	TT	AA	1940141380
SNP_P1_15796_38278495	NC_021160.1	Ca_kabuli_chr01	38278495	GG	AA	1940141381
SNP_P1_15797_38279387	NC_021160.1	Ca_kabuli_chr01	38279387	TT	AA	1940141382
SNP_P1_15798_38279468	NC_021160.1	Ca_kabuli_chr01	38279468	TT	GG	1940141383
SNP_P1_15799_38282334	NC_021160.1	Ca_kabuli_chr01	38282334	AA	TT	1940141384
SNP_P1_15800_38282338	NC_021160.1	Ca_kabuli_chr01	38282338	GG	AA	1940141385
SNP_P1_15801_38282841	NC_021160.1	Ca_kabuli_chr01	38282841	CC	AA	1940141386
SNP_P1_15802_38282843	NC_021160.1	Ca_kabuli_chr01	38282843	TT	CC	1940141387
SNP_P1_15803_38282865	NC_021160.1	Ca_kabuli_chr01	38282865	CC	TT	1940141388

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15805_38283068	NC_021160.1	Ca_kabuli_chr01	38283068	AA	TT	1940141390
SNP_P1_15806_38283254	NC_021160.1	Ca_kabuli_chr01	38283254	TT	CC	1940141391
SNP_P1_15808_38284286	NC_021160.1	Ca_kabuli_chr01	38284286	TT	CC	1940141392
SNP_P1_15809_38284373	NC_021160.1	Ca_kabuli_chr01	38284373	GG	TT	1940141393
SNP_P1_15810_38284375	NC_021160.1	Ca_kabuli_chr01	38284375	GG	AA	1940141394
SNP_P1_15811_38284482	NC_021160.1	Ca_kabuli_chr01	38284482	TT	CC	1940141395
SNP_P1_15812_38284506	NC_021160.1	Ca_kabuli_chr01	38284506	AA	TT	1940141396
SNP_P1_15813_38284784	NC_021160.1	Ca_kabuli_chr01	38284784	GG	TT	1940141397
SNP_P1_15814_38284810	NC_021160.1	Ca_kabuli_chr01	38284810	GG	TT	1940141398
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SNP_P1_15818_38285901	NC_021160.1	Ca_kabuli_chr01	38285901	CC	AA	1940141402
SNP_P1_15819_38285963	NC_021160.1	Ca_kabuli_chr01	38285963	TT	CC	1940141403
SNP_P1_15820_38285999	NC_021160.1	Ca_kabuli_chr01	38285999	AA	TT	1940141404
SNP_P1_15821_38286322	NC_021160.1	Ca_kabuli_chr01	38286322	GG	AA	1940141405
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SNP_P1_15823_38286401	NC_021160.1	Ca_kabuli_chr01	38286401	CC	TT	1940141407
SNP_P1_15824_38286527	NC_021160.1	Ca_kabuli_chr01	38286527	AA	TT	1940141408
SNP_P1_15825_38286634	NC_021160.1	Ca_kabuli_chr01	38286634	GG	AA	1940141409
SNP_P1_15826_38286637	NC_021160.1	Ca_kabuli_chr01	38286637	CC	AA	1940141410
SNP_P1_15827_38287023	NC_021160.1	Ca_kabuli_chr01	38287023	CC	TT	1940141411
SNP_P1_15828_38287029	NC_021160.1	Ca_kabuli_chr01	38287029	CC	TT	1940141412
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SNP_P1_15830_38287034	NC_021160.1	Ca_kabuli_chr01	38287034	TT	GG	1940141414
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SNP_P1_15833_38288447	NC_021160.1	Ca_kabuli_chr01	38288447	GG	AA	1940141416
SNP_P1_15834_38288670	NC_021160.1	Ca_kabuli_chr01	38288670	AA	CC	1940141417
SNP_P1_15835_38288704	NC_021160.1	Ca_kabuli_chr01	38288704	CC	AA	1940141418
SNP_P1_15836_38288911	NC_021160.1	Ca_kabuli_chr01	38288911	AA	GG	1940141419
SNP_P1_15837_38288961	NC_021160.1	Ca_kabuli_chr01	38288961	AA	GG	1940141421
SNP_P1_15838_38288968	NC_021160.1	Ca_kabuli_chr01	38288968	CC	GG	1940141422
SNP_P1_15839_38289031	NC_021160.1	Ca_kabuli_chr01	38289031	AA	GG	1940141423
SNP_P1_15840_38289045	NC_021160.1	Ca_kabuli_chr01	38289045	TT	AA	1940141424
SNP_P1_15841_38289054	NC_021160.1	Ca_kabuli_chr01	38289054	TT	GG	1940141425
SNP_P1_15842_38289058	NC_021160.1	Ca_kabuli_chr01	38289058	TT	CC	1940141426
SNP_P1_15843_38289060	NC_021160.1	Ca_kabuli_chr01	38289060	TT	CC	1940141427
SNP_P1_15844_38303186	NC_021160.1	Ca_kabuli_chr01	38303186	CC	TT	1940141428
SNP_P1_15845_38303285	NC_021160.1	Ca_kabuli_chr01	38303285	AA	GG	1940141429
SNP_P1_15848_38303415	NC_021160.1	Ca_kabuli_chr01	38303415	GG	AA	1940141430
SNP_P1_15849_38303484	NC_021160.1	Ca_kabuli_chr01	38303484	GG	AA	1940141431

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15853_38303702	NC_021160.1	Ca_kabuli_chr01	38303702	AA	TT	1940141433
SNP_P1_15854_38304484	NC_021160.1	Ca_kabuli_chr01	38304484	CC	TT	1940141434
SNP_P1_15855_38315847	NC_021160.1	Ca_kabuli_chr01	38315847	AA	GG	1940141435
SNP_P1_15856_38316240	NC_021160.1	Ca_kabuli_chr01	38316240	CC	TT	1940141436
SNP_P1_15857_38316255	NC_021160.1	Ca_kabuli_chr01	38316255	CC	TT	1940141437
SNP_P1_15858_38316320	NC_021160.1	Ca_kabuli_chr01	38316320	TT	CC	1940141438
SNP_P1_15859_38316465	NC_021160.1	Ca_kabuli_chr01	38316465	AA	GG	1940141439
SNP_P1_15860_38316483	NC_021160.1	Ca_kabuli_chr01	38316483	TT	AA	1940141440
SNP_P1_15861_38316486	NC_021160.1	Ca_kabuli_chr01	38316486	TT	GG	1940141441
SNP_P1_15862_38316505	NC_021160.1	Ca_kabuli_chr01	38316505	AA	CC	1940141442
SNP_P1_15863_38316506	NC_021160.1	Ca_kabuli_chr01	38316506	GG	TT	1940141443
SNP_P1_15864_38316574	NC_021160.1	Ca_kabuli_chr01	38316574	CC	TT	1940141444
SNP_P1_15865_38316709	NC_021160.1	Ca_kabuli_chr01	38316709	AA	GG	1940141445
SNP_P1_15866_38317434	NC_021160.1	Ca_kabuli_chr01	38317434	GG	TT	1940141446
SNP_P1_15867_38318796	NC_021160.1	Ca_kabuli_chr01	38318796	GG	AA	1940141447
SNP_P1_15868_38318854	NC_021160.1	Ca_kabuli_chr01	38318854	AA	CC	1940141448
SNP_P1_15869_38319149	NC_021160.1	Ca_kabuli_chr01	38319149	TT	AA	1940141449
SNP_P1_15871_38319679	NC_021160.1	Ca_kabuli_chr01	38319679	AA	GG	1940141450
SNP_P1_15872_38319714	NC_021160.1	Ca_kabuli_chr01	38319714	AA	TT	1940141451
SNP_P1_15874_38320012	NC_021160.1	Ca_kabuli_chr01	38320012	GG	AA	1940141452
SNP_P1_15875_38320040	NC_021160.1	Ca_kabuli_chr01	38320040	AA	GG	1940141453
SNP_P1_15876_38320183	NC_021160.1	Ca_kabuli_chr01	38320183	GG	AA	1940141454
SNP_P1_15877_38320185	NC_021160.1	Ca_kabuli_chr01	38320185	GG	AA	1940141455
SNP_P1_15878_38320213	NC_021160.1	Ca_kabuli_chr01	38320213	TT	AA	1940141456
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SNP_P1_15880_38320242	NC_021160.1	Ca_kabuli_chr01	38320242	GG	CC	1940141458
SNP_P1_15881_38320248	NC_021160.1	Ca_kabuli_chr01	38320248	TT	CC	1940141459
SNP_P1_15882_38321348	NC_021160.1	Ca_kabuli_chr01	38321348	AA	TT	1940141460
SNP_P1_15883_38321352	NC_021160.1	Ca_kabuli_chr01	38321352	CC	TT	1940141461
SNP_P1_15884_38321367	NC_021160.1	Ca_kabuli_chr01	38321367	GG	AA	1940141462
SNP_P1_15885_38321713	NC_021160.1	Ca_kabuli_chr01	38321713	CC	TT	1940141463
SNP_P1_15886_38321743	NC_021160.1	Ca_kabuli_chr01	38321743	GG	AA	1940141464
SNP_P1_15887_38321878	NC_021160.1	Ca_kabuli_chr01	38321878	CC	AA	1940141465
SNP_P1_15888_38321888	NC_021160.1	Ca_kabuli_chr01	38321888	GG	TT	1940141466
SNP_P1_15889_38321913	NC_021160.1	Ca_kabuli_chr01	38321913	AA	GG	1940141467
SNP_P1_15890_38321942	NC_021160.1	Ca_kabuli_chr01	38321942	AA	GG	1940141468
SNP_P1_15891_38321960	NC_021160.1	Ca_kabuli_chr01	38321960	TT	CC	1940141469
SNP_P1_15892_38321962	NC_021160.1	Ca_kabuli_chr01	38321962	TT	GG	1940141471
SNP_P1_15893_38321977	NC_021160.1	Ca_kabuli_chr01	38321977	TT	CC	1940141472
SNP_P1_15894_38322014	NC_021160.1	Ca_kabuli_chr01	38322014	TT	CC	1940141473
SNP_P1_15895_38322044	NC_021160.1	Ca_kabuli_chr01	38322044	CC	TT	1940141474

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15897_38322052	NC_021160.1	Ca_kabuli_chr01	38322052	AA	GG	1940141476
SNP_P1_15898_38322058	NC_021160.1	Ca_kabuli_chr01	38322058	TT	GG	1940141477
SNP_P1_15899_38322241	NC_021160.1	Ca_kabuli_chr01	38322241	TT	CC	1940141478
SNP_P1_15900_38322255	NC_021160.1	Ca_kabuli_chr01	38322255	TT	CC	1940141479
SNP_P1_15901_38323310	NC_021160.1	Ca_kabuli_chr01	38323310	TT	CC	1940141480
SNP_P1_15902_38323791	NC_021160.1	Ca_kabuli_chr01	38323791	TT	CC	1940141481
SNP_P1_15903_38323853	NC_021160.1	Ca_kabuli_chr01	38323853	TT	CC	1940141482
SNP_P1_15904_38329955	NC_021160.1	Ca_kabuli_chr01	38329955	CC	TT	1940141483
SNP_P1_15905_38330002	NC_021160.1	Ca_kabuli_chr01	38330002	TT	AA	1940141484
SNP_P1_15906_38330022	NC_021160.1	Ca_kabuli_chr01	38330022	TT	CC	1940141485
SNP_P1_15907_38333153	NC_021160.1	Ca_kabuli_chr01	38333153	AA	GG	1940141486
SNP_P1_15908_38333371	NC_021160.1	Ca_kabuli_chr01	38333371	CC	TT	1940141487
SNP_P1_15909_38334491	NC_021160.1	Ca_kabuli_chr01	38334491	GG	TT	1940141488
SNP_P1_15910_38334731	NC_021160.1	Ca_kabuli_chr01	38334731	GG	AA	1940141489
SNP_P1_15911_38334821	NC_021160.1	Ca_kabuli_chr01	38334821	GG	AA	1940141490
SNP_P1_15912_38334849	NC_021160.1	Ca_kabuli_chr01	38334849	TT	CC	1940141491
SNP_P1_15913_38334939	NC_021160.1	Ca_kabuli_chr01	38334939	CC	TT	1940141492
SNP_P1_15914_38334942	NC_021160.1	Ca_kabuli_chr01	38334942	AA	GG	1940141493
SNP_P1_15915_38334947	NC_021160.1	Ca_kabuli_chr01	38334947	GG	AA	1940141494
SNP_P1_15917_38335192	NC_021160.1	Ca_kabuli_chr01	38335192	GG	AA	1940141495
SNP_P1_15918_38337505	NC_021160.1	Ca_kabuli_chr01	38337505	TT	AA	1940141496
SNP_P1_15919_38338014	NC_021160.1	Ca_kabuli_chr01	38338014	AA	GG	1940141497
SNP_P1_15920_38338703	NC_021160.1	Ca_kabuli_chr01	38338703	AA	GG	1940141498
SNP_P1_15921_38338878	NC_021160.1	Ca_kabuli_chr01	38338878	GG	AA	1940141499
SNP_P1_15922_38338921	NC_021160.1	Ca_kabuli_chr01	38338921	AA	GG	1940141500
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SNP_P1_15924_38338954	NC_021160.1	Ca_kabuli_chr01	38338954	AA	TT	1940141502
SNP_P1_15925_38339171	NC_021160.1	Ca_kabuli_chr01	38339171	GG	AA	1940141503
SNP_P1_15926_38339214	NC_021160.1	Ca_kabuli_chr01	38339214	CC	TT	1940141504
SNP_P1_15927_38339216	NC_021160.1	Ca_kabuli_chr01	38339216	CC	TT	1940141505
SNP_P1_15928_38339413	NC_021160.1	Ca_kabuli_chr01	38339413	TT	CC	1940141506
SNP_P1_15929_38339425	NC_021160.1	Ca_kabuli_chr01	38339425	GG	AA	1940141507
SNP_P1_15930_38340154	NC_021160.1	Ca_kabuli_chr01	38340154	TT	CC	1940141508
SNP_P1_15931_38340176	NC_021160.1	Ca_kabuli_chr01	38340176	GG	CC	1940141510
SNP_P1_15932_38340191	NC_021160.1	Ca_kabuli_chr01	38340191	AA	GG	1940141511
SNP_P1_15933_38340380	NC_021160.1	Ca_kabuli_chr01	38340380	TT	GG	1940141512
SNP_P1_15934_38340462	NC_021160.1	Ca_kabuli_chr01	38340462	TT	AA	1940141513
SNP_P1_15935_38340557	NC_021160.1	Ca_kabuli_chr01	38340557	CC	AA	1940141514
SNP_P1_15937_38341429	NC_021160.1	Ca_kabuli_chr01	38341429	TT	GG	1940141515
SNP_P1_15938_38341430	NC_021160.1	Ca_kabuli_chr01	38341430	GG	AA	1940141516
SNP_P1_15939_38341444	NC_021160.1	Ca_kabuli_chr01	38341444	AA	TT	1940141517

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15941_38341459	NC_021160.1	Ca_kabuli_chr01	38341459	TT	CC	1940141519
SNP_P1_15942_38341720	NC_021160.1	Ca_kabuli_chr01	38341720	CC	TT	1940141520
SNP_P1_15943_38341853	NC_021160.1	Ca_kabuli_chr01	38341853	TT	AA	1940141521
SNP_P1_15944_38342213	NC_021160.1	Ca_kabuli_chr01	38342213	CC	TT	1940141522
SNP_P1_15945_38342474	NC_021160.1	Ca_kabuli_chr01	38342474	TT	GG	1940141523
SNP_P1_15946_38342494	NC_021160.1	Ca_kabuli_chr01	38342494	TT	CC	1940141524
SNP_P1_15947_38342570	NC_021160.1	Ca_kabuli_chr01	38342570	GG	TT	1940141525
SNP_P1_15948_38342585	NC_021160.1	Ca_kabuli_chr01	38342585	GG	TT	1940141526
SNP_P1_15949_38342691	NC_021160.1	Ca_kabuli_chr01	38342691	CC	TT	1940141527
SNP_P1_15950_38342699	NC_021160.1	Ca_kabuli_chr01	38342699	CC	TT	1940141528
SNP_P1_15951_38342719	NC_021160.1	Ca_kabuli_chr01	38342719	CC	AA	1940141529
SNP_P1_15952_38342725	NC_021160.1	Ca_kabuli_chr01	38342725	CC	TT	1940141530
SNP_P1_15953_38342992	NC_021160.1	Ca_kabuli_chr01	38342992	GG	AA	1940141531
SNP_P1_15954_38343123	NC_021160.1	Ca_kabuli_chr01	38343123	AA	GG	1940141532
SNP_P1_15955_38343164	NC_021160.1	Ca_kabuli_chr01	38343164	GG	TT	1940141533
SNP_P1_15956_38343167	NC_021160.1	Ca_kabuli_chr01	38343167	AA	CC	1940141534
SNP_P1_15957_38343177	NC_021160.1	Ca_kabuli_chr01	38343177	AA	GG	1940141535
SNP_P1_15958_38344092	NC_021160.1	Ca_kabuli_chr01	38344092	AA	GG	1940141536
SNP_P1_15959_38344335	NC_021160.1	Ca_kabuli_chr01	38344335	TT	CC	1940141537
SNP_P1_15960_38344336	NC_021160.1	Ca_kabuli_chr01	38344336	CC	TT	1940141538
SNP_P1_15961_38344346	NC_021160.1	Ca_kabuli_chr01	38344346	TT	GG	1940141539
SNP_P1_15962_38344607	NC_021160.1	Ca_kabuli_chr01	38344607	CC	AA	1940141540
SNP_P1_15963_38344647	NC_021160.1	Ca_kabuli_chr01	38344647	TT	AA	1940141541
SNP_P1_15964_38345035	NC_021160.1	Ca_kabuli_chr01	38345035	AA	TT	1940141542
SNP_P1_15965_38345043	NC_021160.1	Ca_kabuli_chr01	38345043	TT	CC	1940141543
SNP_P1_15966_38345044	NC_021160.1	Ca_kabuli_chr01	38345044	CC	TT	1940141544
SNP_P1_15968_38345181	NC_021160.1	Ca_kabuli_chr01	38345181	GG	AA	1940141545
SNP_P1_15969_38345343	NC_021160.1	Ca_kabuli_chr01	38345343	CC	TT	1940141546
SNP_P1_15970_38346054	NC_021160.1	Ca_kabuli_chr01	38346054	TT	GG	1940141547
SNP_P1_15971_38346059	NC_021160.1	Ca_kabuli_chr01	38346059	TT	GG	1940141548
SNP_P1_15972_38346087	NC_021160.1	Ca_kabuli_chr01	38346087	CC	TT	1940141549
SNP_P1_15973_38346134	NC_021160.1	Ca_kabuli_chr01	38346134	CC	TT	1940141550
SNP_P1_15974_38346168	NC_021160.1	Ca_kabuli_chr01	38346168	CC	TT	1940141551
SNP_P1_15975_38346178	NC_021160.1	Ca_kabuli_chr01	38346178	TT	CC	1940141552
SNP_P1_15976_38346500	NC_021160.1	Ca_kabuli_chr01	38346500	CC	TT	1940141553
SNP_P1_15977_38347327	NC_021160.1	Ca_kabuli_chr01	38347327	GG	CC	1940141554
SNP_P1_15978_38347566	NC_021160.1	Ca_kabuli_chr01	38347566	GG	AA	1940141555
SNP_P1_15979_38347596	NC_021160.1	Ca_kabuli_chr01	38347596	GG	AA	1940141556
SNP_P1_15980_38347645	NC_021160.1	Ca_kabuli_chr01	38347645	CC	TT	1940141558
SNP_P1_15981_38347717	NC_021160.1	Ca_kabuli_chr01	38347717	AA	GG	1940141559
SNP_P1_15982_38347718	NC_021160.1	Ca_kabuli_chr01	38347718	CC	TT	1940141560

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_15985_38348862	NC_021160.1	Ca_kabuli_chr01	38348862	TT	GG	1940141562
SNP_P1_15986_38349002	NC_021160.1	Ca_kabuli_chr01	38349002	CC	TT	1940141563
SNP_P1_15987_38349055	NC_021160.1	Ca_kabuli_chr01	38349055	GG	TT	1940141564
SNP_P1_15988_38349056	NC_021160.1	Ca_kabuli_chr01	38349056	CC	GG	1940141565
SNP_P1_15989_38349704	NC_021160.1	Ca_kabuli_chr01	38349704	AA	GG	1940141566
SNP_P1_15990_38349937	NC_021160.1	Ca_kabuli_chr01	38349937	AA	TT	1940141567
SNP_P1_15991_38350098	NC_021160.1	Ca_kabuli_chr01	38350098	TT	CC	1940141568
SNP_P1_15992_38351512	NC_021160.1	Ca_kabuli_chr01	38351512	AA	TT	1940141569
SNP_P1_15993_38356092	NC_021160.1	Ca_kabuli_chr01	38356092	TT	CC	1940141570
SNP_P1_15995_38360381	NC_021160.1	Ca_kabuli_chr01	38360381	CC	AA	1940141571
SNP_P1_15996_38360386	NC_021160.1	Ca_kabuli_chr01	38360386	TT	CC	1940141572
SNP_P1_15997_38363537	NC_021160.1	Ca_kabuli_chr01	38363537	TT	CC	1940141573
SNP_P1_15998_38363552	NC_021160.1	Ca_kabuli_chr01	38363552	AA	GG	1940141574
SNP_P1_15999_38363758	NC_021160.1	Ca_kabuli_chr01	38363758	AA	GG	1940141575
SNP_P1_16000_38363836	NC_021160.1	Ca_kabuli_chr01	38363836	GG	AA	1940141576
SNP_P1_16001_38363892	NC_021160.1	Ca_kabuli_chr01	38363892	GG	CC	1940141577
SNP_P1_16002_38363961	NC_021160.1	Ca_kabuli_chr01	38363961	CC	AA	1940141578
SNP_P1_16003_38363963	NC_021160.1	Ca_kabuli_chr01	38363963	TT	CC	1940141579
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SNP_P1_16005_38363967	NC_021160.1	Ca_kabuli_chr01	38363967	GG	AA	1940141581
SNP_P1_16006_38367311	NC_021160.1	Ca_kabuli_chr01	38367311	GG	AA	1940141582
SNP_P1_16007_38367637	NC_021160.1	Ca_kabuli_chr01	38367637	GG	TT	1940141583
SNP_P1_16008_38369240	NC_021160.1	Ca_kabuli_chr01	38369240	AA	GG	1940141584
SNP_P1_16009_38381031	NC_021160.1	Ca_kabuli_chr01	38381031	TT	GG	1940141585
SNP_P1_16010_38386348	NC_021160.1	Ca_kabuli_chr01	38386348	AA	TT	1940141586
SNP_P1_16011_38386448	NC_021160.1	Ca_kabuli_chr01	38386448	GG	AA	1940141587
SNP_P1_16012_38394509	NC_021160.1	Ca_kabuli_chr01	38394509	AA	TT	1940141588
SNP_P1_16013_38395345	NC_021160.1	Ca_kabuli_chr01	38395345	CC	AA	1940141589
SNP_P1_16014_38395799	NC_021160.1	Ca_kabuli_chr01	38395799	AA	GG	1940141590
SNP_P1_16015_38397460	NC_021160.1	Ca_kabuli_chr01	38397460	AA	GG	1940141591
SNP_P1_16016_38397476	NC_021160.1	Ca_kabuli_chr01	38397476	TT	GG	1940141592
SNP_P1_16017_38398995	NC_021160.1	Ca_kabuli_chr01	38398995	CC	AA	1940141593
SNP_P1_16018_38419889	NC_021160.1	Ca_kabuli_chr01	38419889	GG	AA	1940141594
SNP_P1_16019_38420444	NC_021160.1	Ca_kabuli_chr01	38420444	CC	AA	1940141595
SNP_P1_16020_38420937	NC_021160.1	Ca_kabuli_chr01	38420937	GG	AA	1940141596
SNP_P1_16021_38420979	NC_021160.1	Ca_kabuli_chr01	38420979	TT	AA	1940141597
SNP_P1_16022_38420982	NC_021160.1	Ca_kabuli_chr01	38420982	AA	GG	1940141598
SNP_P1_16023_38425322	NC_021160.1	Ca_kabuli_chr01	38425322	GG	AA	1940141600
SNP_P1_16024_38426508	NC_021160.1	Ca_kabuli_chr01	38426508	CC	TT	1940141601
SNP_P1_16025_38426687	NC_021160.1	Ca_kabuli_chr01	38426687	AA	GG	1940141602
SNP_P1_16026_38428808	NC_021160.1	Ca_kabuli_chr01	38428808	TT	CC	1940141603

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16030_38445716	NC_021160.1	Ca_kabuli_chr01	38445716	CC	TT	1940141606
SNP_P1_16031_38448472	NC_021160.1	Ca_kabuli_chr01	38448472	TT	GG	1940141607
SNP_P1_16032_38448745	NC_021160.1	Ca_kabuli_chr01	38448745	GG	AA	1940141608
SNP_P1_16033_38449215	NC_021160.1	Ca_kabuli_chr01	38449215	GG	AA	1940141609
SNP_P1_16034_38449894	NC_021160.1	Ca_kabuli_chr01	38449894	AA	GG	1940141610
SNP_P1_16036_38451588	NC_021160.1	Ca_kabuli_chr01	38451588	AA	CC	1940141611
SNP_P1_16037_38453741	NC_021160.1	Ca_kabuli_chr01	38453741	AA	GG	1940141612
SNP_P1_16038_38460160	NC_021160.1	Ca_kabuli_chr01	38460160	CC	TT	1940141613
SNP_P1_16039_38465776	NC_021160.1	Ca_kabuli_chr01	38465776	AA	CC	1940141614
SNP_P1_16040_38466106	NC_021160.1	Ca_kabuli_chr01	38466106	AA	TT	1940141615
SNP_P1_16041_38466484	NC_021160.1	Ca_kabuli_chr01	38466484	TT	CC	1940141616
SNP_P1_16042_38466583	NC_021160.1	Ca_kabuli_chr01	38466583	CC	TT	1940141617
SNP_P1_16043_38466870	NC_021160.1	Ca_kabuli_chr01	38466870	AA	TT	1940141618
SNP_P1_16045_38479384	NC_021160.1	Ca_kabuli_chr01	38479384	TT	AA	1940141619
SNP_P1_16047_38482958	NC_021160.1	Ca_kabuli_chr01	38482958	AA	GG	1940141620
SNP_P1_16048_38483725	NC_021160.1	Ca_kabuli_chr01	38483725	AA	GG	1940141621
SNP_P1_16050_38488979	NC_021160.1	Ca_kabuli_chr01	38488979	CC	GG	1940141622
SNP_P1_16051_38492955	NC_021160.1	Ca_kabuli_chr01	38492955	AA	TT	1940141623
SNP_P1_16053_38498062	NC_021160.1	Ca_kabuli_chr01	38498062	TT	AA	1940141624
SNP_P1_16054_38498376	NC_021160.1	Ca_kabuli_chr01	38498376	AA	GG	1940141625
SNP_P1_16055_38498901	NC_021160.1	Ca_kabuli_chr01	38498901	AA	GG	1940141626
SNP_P1_16056_38499300	NC_021160.1	Ca_kabuli_chr01	38499300	CC	TT	1940141627
SNP_P1_16057_38499599	NC_021160.1	Ca_kabuli_chr01	38499599	GG	AA	1940141628
SNP_P1_16058_38499863	NC_021160.1	Ca_kabuli_chr01	38499863	AA	TT	1940141629
SNP_P1_16059_38503785	NC_021160.1	Ca_kabuli_chr01	38503785	CC	AA	1940141630
SNP_P1_16061_38504930	NC_021160.1	Ca_kabuli_chr01	38504930	TT	AA	1940141631
SNP_P1_16062_38506344	NC_021160.1	Ca_kabuli_chr01	38506344	GG	AA	1940141632
SNP_P1_16063_38514033	NC_021160.1	Ca_kabuli_chr01	38514033	TT	CC	1940141633
SNP_P1_16064_38517171	NC_021160.1	Ca_kabuli_chr01	38517171	AA	GG	1940141634
SNP_P1_16065_38520061	NC_021160.1	Ca_kabuli_chr01	38520061	GG	AA	1940141635
SNP_P1_16066_38520698	NC_021160.1	Ca_kabuli_chr01	38520698	AA	GG	1940141636
SNP_P1_16067_38522139	NC_021160.1	Ca_kabuli_chr01	38522139	CC	TT	1940141637
SNP_P1_16068_38523129	NC_021160.1	Ca_kabuli_chr01	38523129	TT	CC	1940141638
SNP_P1_16069_38524375	NC_021160.1	Ca_kabuli_chr01	38524375	CC	TT	1940141639
SNP_P1_16070_38526436	NC_021160.1	Ca_kabuli_chr01	38526436	AA	GG	1940141640
SNP_P1_16071_38526959	NC_021160.1	Ca_kabuli_chr01	38526959	GG	AA	1940141641
SNP_P1_16072_38527391	NC_021160.1	Ca_kabuli_chr01	38527391	AA	GG	1940141642
SNP_P1_16075_38528806	NC_021160.1	Ca_kabuli_chr01	38528806	AA	CC	1940141643
SNP_P1_16076_38529243	NC_021160.1	Ca_kabuli_chr01	38529243	GG	TT	1940141644
SNP_P1_16077_38530092	NC_021160.1	Ca_kabuli_chr01	38530092	TT	CC	1940141646

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16079_38535000	NC_021160.1	Ca_kabuli_chr01	38535000	TT	CC	1940141648
SNP_P1_16080_38535340	NC_021160.1	Ca_kabuli_chr01	38535340	TT	CC	1940141649
SNP_P1_16081_38535455	NC_021160.1	Ca_kabuli_chr01	38535455	GG	AA	1940141650
SNP_P1_16082_38535842	NC_021160.1	Ca_kabuli_chr01	38535842	TT	AA	1940141651
SNP_P1_16083_38535843	NC_021160.1	Ca_kabuli_chr01	38535843	TT	CC	1940141652
SNP_P1_16084_38535865	NC_021160.1	Ca_kabuli_chr01	38535865	TT	CC	1940141653
SNP_P1_16085_38535918	NC_021160.1	Ca_kabuli_chr01	38535918	GG	AA	1940141654
SNP_P1_16087_38537975	NC_021160.1	Ca_kabuli_chr01	38537975	TT	CC	1940141655
SNP_P1_16088_38538905	NC_021160.1	Ca_kabuli_chr01	38538905	TT	CC	1940141656
SNP_P1_16089_38539139	NC_021160.1	Ca_kabuli_chr01	38539139	AA	GG	1940141657
SNP_P1_16090_38539598	NC_021160.1	Ca_kabuli_chr01	38539598	GG	AA	1940141658
SNP_P1_16091_38539894	NC_021160.1	Ca_kabuli_chr01	38539894	AA	GG	1940141659
SNP_P1_16092_38540290	NC_021160.1	Ca_kabuli_chr01	38540290	TT	GG	1940141660
SNP_P1_16093_38547471	NC_021160.1	Ca_kabuli_chr01	38547471	GG	AA	1940141661
SNP_P1_16094_38547481	NC_021160.1	Ca_kabuli_chr01	38547481	TT	GG	1940141662
SNP_P1_16095_38547777	NC_021160.1	Ca_kabuli_chr01	38547777	AA	GG	1940141663
SNP_P1_16096_38548194	NC_021160.1	Ca_kabuli_chr01	38548194	CC	AA	1940141664
SNP_P1_16097_38548932	NC_021160.1	Ca_kabuli_chr01	38548932	AA	GG	1940141665
SNP_P1_16098_38551302	NC_021160.1	Ca_kabuli_chr01	38551302	GG	AA	1940141666
SNP_P1_16099_38551341	NC_021160.1	Ca_kabuli_chr01	38551341	AA	CC	1940141667
SNP_P1_16100_38551974	NC_021160.1	Ca_kabuli_chr01	38551974	AA	GG	1940141668
SNP_P1_16101_38552349	NC_021160.1	Ca_kabuli_chr01	38552349	GG	AA	1940141669
SNP_P1_16102_38552515	NC_021160.1	Ca_kabuli_chr01	38552515	AA	TT	1940141670
SNP_P1_16103_38553476	NC_021160.1	Ca_kabuli_chr01	38553476	CC	TT	1940141671
SNP_P1_16104_38558497	NC_021160.1	Ca_kabuli_chr01	38558497	GG	CC	1940141672
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SNP_P1_16108_38559664	NC_021160.1	Ca_kabuli_chr01	38559664	TT	CC	1940141675
SNP_P1_16110_38560871	NC_021160.1	Ca_kabuli_chr01	38560871	AA	GG	1940141676
SNP_P1_16111_38561782	NC_021160.1	Ca_kabuli_chr01	38561782	CC	AA	1940141677
SNP_P1_16112_38561820	NC_021160.1	Ca_kabuli_chr01	38561820	TT	AA	1940141678
SNP_P1_16113_38561846	NC_021160.1	Ca_kabuli_chr01	38561846	TT	CC	1940141679
SNP_P1_16115_38562363	NC_021160.1	Ca_kabuli_chr01	38562363	GG	AA	1940141680
SNP_P1_16117_38562923	NC_021160.1	Ca_kabuli_chr01	38562923	GG	AA	1940141681
SNP_P1_16118_38562953	NC_021160.1	Ca_kabuli_chr01	38562953	AA	GG	1940141682
SNP_P1_16119_38562964	NC_021160.1	Ca_kabuli_chr01	38562964	GG	AA	1940141683
SNP_P1_16120_38562969	NC_021160.1	Ca_kabuli_chr01	38562969	AA	TT	1940141684
SNP_P1_16121_38562977	NC_021160.1	Ca_kabuli_chr01	38562977	GG	AA	1940141685
SNP_P1_16122_38563254	NC_021160.1	Ca_kabuli_chr01	38563254	TT	CC	1940141686
SNP_P1_16123_38563493	NC_021160.1	Ca_kabuli_chr01	38563493	TT	CC	1940141687
SNP_P1_16124_38563730	NC_021160.1	Ca_kabuli_chr01	38563730	AA	GG	1940141689

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16126_38563945	NC_021160.1	Ca_kabuli_chr01	38563945	TT	CC	1940141691
SNP_P1_16127_38563972	NC_021160.1	Ca_kabuli_chr01	38563972	CC	TT	1940141692
SNP_P1_16128_38564026	NC_021160.1	Ca_kabuli_chr01	38564026	TT	CC	1940141693
SNP_P1_16129_38564148	NC_021160.1	Ca_kabuli_chr01	38564148	AA	GG	1940141694
SNP_P1_16130_38564217	NC_021160.1	Ca_kabuli_chr01	38564217	TT	CC	1940141695
SNP_P1_16131_38564223	NC_021160.1	Ca_kabuli_chr01	38564223	AA	GG	1940141696
SNP_P1_16132_38564224	NC_021160.1	Ca_kabuli_chr01	38564224	AA	GG	1940141697
SNP_P1_16133_38564228	NC_021160.1	Ca_kabuli_chr01	38564228	AA	GG	1940141698
SNP_P1_16134_38564312	NC_021160.1	Ca_kabuli_chr01	38564312	CC	TT	1940141699
SNP_P1_16135_38564315	NC_021160.1	Ca_kabuli_chr01	38564315	GG	TT	1940141700
SNP_P1_16136_38564439	NC_021160.1	Ca_kabuli_chr01	38564439	CC	TT	1940141701
SNP_P1_16137_38564583	NC_021160.1	Ca_kabuli_chr01	38564583	TT	AA	1940141702
SNP_P1_16138_38564612	NC_021160.1	Ca_kabuli_chr01	38564612	AA	GG	1940141703
SNP_P1_16139_38564704	NC_021160.1	Ca_kabuli_chr01	38564704	CC	TT	1940141704
SNP_P1_16140_38564753	NC_021160.1	Ca_kabuli_chr01	38564753	TT	CC	1940141705
SNP_P1_16141_38564809	NC_021160.1	Ca_kabuli_chr01	38564809	CC	GG	1940141706
SNP_P1_16142_38564825	NC_021160.1	Ca_kabuli_chr01	38564825	GG	CC	1940141707
SNP_P1_16143_38564933	NC_021160.1	Ca_kabuli_chr01	38564933	TT	CC	1940141708
SNP_P1_16144_38564944	NC_021160.1	Ca_kabuli_chr01	38564944	TT	CC	1940141709
SNP_P1_16146_38566207	NC_021160.1	Ca_kabuli_chr01	38566207	AA	GG	1940141710
SNP_P1_16147_38566840	NC_021160.1	Ca_kabuli_chr01	38566840	CC	GG	1940141711
SNP_P1_16148_38566903	NC_021160.1	Ca_kabuli_chr01	38566903	GG	AA	1940141712
SNP_P1_16149_38567089	NC_021160.1	Ca_kabuli_chr01	38567089	CC	AA	1940141713
SNP_P1_16151_38567172	NC_021160.1	Ca_kabuli_chr01	38567172	CC	TT	1940141714
SNP_P1_16152_38567396	NC_021160.1	Ca_kabuli_chr01	38567396	CC	TT	1940141715
SNP_P1_16153_38567636	NC_021160.1	Ca_kabuli_chr01	38567636	GG	TT	1940141716
SNP_P1_16154_38567647	NC_021160.1	Ca_kabuli_chr01	38567647	CC	TT	1940141717
SNP_P1_16157_38567915	NC_021160.1	Ca_kabuli_chr01	38567915	CC	TT	1940141718
SNP_P1_16158_38568671	NC_021160.1	Ca_kabuli_chr01	38568671	GG	AA	1940141719
SNP_P1_16159_38568677	NC_021160.1	Ca_kabuli_chr01	38568677	GG	CC	1940141720
SNP_P1_16160_38568846	NC_021160.1	Ca_kabuli_chr01	38568846	AA	GG	1940141721
SNP_P1_16161_38569113	NC_021160.1	Ca_kabuli_chr01	38569113	TT	AA	1940141722
SNP_P1_16162_38569793	NC_021160.1	Ca_kabuli_chr01	38569793	AA	GG	1940141723
SNP_P1_16163_38569850	NC_021160.1	Ca_kabuli_chr01	38569850	TT	CC	1940141724
SNP_P1_16164_38571054	NC_021160.1	Ca_kabuli_chr01	38571054	CC	TT	1940141725
SNP_P1_16165_38571185	NC_021160.1	Ca_kabuli_chr01	38571185	CC	TT	1940141726
SNP_P1_16166_38572142	NC_021160.1	Ca_kabuli_chr01	38572142	CC	TT	1940141727
SNP_P1_16167_38572557	NC_021160.1	Ca_kabuli_chr01	38572557	GG	AA	1940141728
SNP_P1_16168_38572606	NC_021160.1	Ca_kabuli_chr01	38572606	TT	CC	1940141729
SNP_P1_16169_38572635	NC_021160.1	Ca_kabuli_chr01	38572635	AA	GG	1940141731
SNP_P1_16170_38572681	NC_021160.1	Ca_kabuli_chr01	38572681	CC	TT	1940141732

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16172_38573341	NC_021160.1	Ca_kabuli_chr01	38573341	GG	TT	1940141734
SNP_P1_16173_38573356	NC_021160.1	Ca_kabuli_chr01	38573356	AA	CC	1940141735
SNP_P1_16174_38573392	NC_021160.1	Ca_kabuli_chr01	38573392	CC	TT	1940141736
SNP_P1_16175_38574477	NC_021160.1	Ca_kabuli_chr01	38574477	TT	GG	1940141737
SNP_P1_16176_38574810	NC_021160.1	Ca_kabuli_chr01	38574810	TT	GG	1940141738
SNP_P1_16177_38575887	NC_021160.1	Ca_kabuli_chr01	38575887	AA	GG	1940141739
SNP_P1_16178_38575989	NC_021160.1	Ca_kabuli_chr01	38575989	GG	AA	1940141740
SNP_P1_16179_38576091	NC_021160.1	Ca_kabuli_chr01	38576091	GG	AA	1940141741
SNP_P1_16180_38576156	NC_021160.1	Ca_kabuli_chr01	38576156	AA	TT	1940141742
SNP_P1_16181_38576362	NC_021160.1	Ca_kabuli_chr01	38576362	CC	TT	1940141743
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SNP_P1_16183_38576480	NC_021160.1	Ca_kabuli_chr01	38576480	GG	CC	1940141745
SNP_P1_16185_38576960	NC_021160.1	Ca_kabuli_chr01	38576960	GG	AA	1940141746
SNP_P1_16186_38577086	NC_021160.1	Ca_kabuli_chr01	38577086	CC	TT	1940141747
SNP_P1_16188_38577250	NC_021160.1	Ca_kabuli_chr01	38577250	AA	TT	1940141748
SNP_P1_16189_38577566	NC_021160.1	Ca_kabuli_chr01	38577566	AA	TT	1940141749
SNP_P1_16190_38577803	NC_021160.1	Ca_kabuli_chr01	38577803	TT	CC	1940141750
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SNP_P1_16195_38578045	NC_021160.1	Ca_kabuli_chr01	38578045	CC	TT	1940141754
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SNP_P1_16198_38578212	NC_021160.1	Ca_kabuli_chr01	38578212	TT	CC	1940141757
SNP_P1_16199_38578265	NC_021160.1	Ca_kabuli_chr01	38578265	GG	AA	1940141758
SNP_P1_16200_38578282	NC_021160.1	Ca_kabuli_chr01	38578282	AA	GG	1940141759
SNP_P1_16201_38578325	NC_021160.1	Ca_kabuli_chr01	38578325	GG	AA	1940141760
SNP_P1_16202_38580389	NC_021160.1	Ca_kabuli_chr01	38580389	TT	CC	1940141761
SNP_P1_16203_38580394	NC_021160.1	Ca_kabuli_chr01	38580394	CC	TT	1940141762
SNP_P1_16204_38584228	NC_021160.1	Ca_kabuli_chr01	38584228	CC	TT	1940141763
SNP_P1_16206_38584511	NC_021160.1	Ca_kabuli_chr01	38584511	TT	CC	1940141764
SNP_P1_16207_38586069	NC_021160.1	Ca_kabuli_chr01	38586069	AA	TT	1940141765
SNP_P1_16208_38586087	NC_021160.1	Ca_kabuli_chr01	38586087	TT	CC	1940141766
SNP_P1_16209_38586102	NC_021160.1	Ca_kabuli_chr01	38586102	GG	AA	1940141767
SNP_P1_16210_38586105	NC_021160.1	Ca_kabuli_chr01	38586105	GG	AA	1940141769
SNP_P1_16211_38586355	NC_021160.1	Ca_kabuli_chr01	38586355	TT	GG	1940141770
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SNP_P1_16215_38586825	NC_021160.1	Ca_kabuli_chr01	38586825	GG	TT	1940141774
SNP_P1_16216_38592153	NC_021160.1	Ca_kabuli_chr01	38592153	GG	AA	1940141775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16219_38592251	NC_021160.1	Ca_kabuli_chr01	38592251	AA	GG	1940141778
SNP_P1_16220_38592280	NC_021160.1	Ca_kabuli_chr01	38592280	AA	TT	1940141779
SNP_P1_16221_38592305	NC_021160.1	Ca_kabuli_chr01	38592305	CC	TT	1940141780
SNP_P1_16222_38592642	NC_021160.1	Ca_kabuli_chr01	38592642	AA	GG	1940141781
SNP_P1_16223_38593777	NC_021160.1	Ca_kabuli_chr01	38593777	CC	TT	1940141782
SNP_P1_16224_38593946	NC_021160.1	Ca_kabuli_chr01	38593946	TT	CC	1940141783
SNP_P1_16225_38593965	NC_021160.1	Ca_kabuli_chr01	38593965	CC	TT	1940141784
SNP_P1_16226_38594024	NC_021160.1	Ca_kabuli_chr01	38594024	TT	CC	1940141785
SNP_P1_16227_38594246	NC_021160.1	Ca_kabuli_chr01	38594246	CC	GG	1940141786
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SNP_P1_16231_38594587	NC_021160.1	Ca_kabuli_chr01	38594587	GG	AA	1940141790
SNP_P1_16232_38594600	NC_021160.1	Ca_kabuli_chr01	38594600	GG	AA	1940141791
SNP_P1_16233_38594659	NC_021160.1	Ca_kabuli_chr01	38594659	TT	CC	1940141792
SNP_P1_16234_38595172	NC_021160.1	Ca_kabuli_chr01	38595172	GG	AA	1940141793
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SNP_P1_16236_38596347	NC_021160.1	Ca_kabuli_chr01	38596347	AA	GG	1940141795
SNP_P1_16237_38596365	NC_021160.1	Ca_kabuli_chr01	38596365	CC	TT	1940141796
SNP_P1_16239_38597600	NC_021160.1	Ca_kabuli_chr01	38597600	TT	AA	1940141797
SNP_P1_16241_38597884	NC_021160.1	Ca_kabuli_chr01	38597884	AA	TT	1940141798
SNP_P1_16243_38597989	NC_021160.1	Ca_kabuli_chr01	38597989	TT	AA	1940141799
SNP_P1_16244_38598062	NC_021160.1	Ca_kabuli_chr01	38598062	TT	AA	1940141800
SNP_P1_16245_38598069	NC_021160.1	Ca_kabuli_chr01	38598069	CC	TT	1940141801
SNP_P1_16246_38598099	NC_021160.1	Ca_kabuli_chr01	38598099	AA	CC	1940141802
SNP_P1_16247_38598124	NC_021160.1	Ca_kabuli_chr01	38598124	CC	TT	1940141803
SNP_P1_16248_38598666	NC_021160.1	Ca_kabuli_chr01	38598666	GG	TT	1940141804
SNP_P1_16249_38598879	NC_021160.1	Ca_kabuli_chr01	38598879	TT	CC	1940141805
SNP_P1_16250_38598895	NC_021160.1	Ca_kabuli_chr01	38598895	TT	CC	1940141806
SNP_P1_16251_38601650	NC_021160.1	Ca_kabuli_chr01	38601650	CC	TT	1940141807
SNP_P1_16252_38604577	NC_021160.1	Ca_kabuli_chr01	38604577	GG	AA	1940141808
SNP_P1_16253_38604589	NC_021160.1	Ca_kabuli_chr01	38604589	TT	CC	1940141810
SNP_P1_16254_38604622	NC_021160.1	Ca_kabuli_chr01	38604622	GG	AA	1940141811
SNP_P1_16255_38605815	NC_021160.1	Ca_kabuli_chr01	38605815	GG	AA	1940141812
SNP_P1_16257_38609685	NC_021160.1	Ca_kabuli_chr01	38609685	CC	AA	1940141813
SNP_P1_16258_38610070	NC_021160.1	Ca_kabuli_chr01	38610070	GG	AA	1940141814
SNP_P1_16259_38610190	NC_021160.1	Ca_kabuli_chr01	38610190	TT	GG	1940141815
SNP_P1_16260_38610926	NC_021160.1	Ca_kabuli_chr01	38610926	AA	GG	1940141816
SNP_P1_16261_38610933	NC_021160.1	Ca_kabuli_chr01	38610933	GG	TT	1940141817
SNP_P1_16262_38611182	NC_021160.1	Ca_kabuli_chr01	38611182	CC	TT	1940141818

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16264_38613305	NC_021160.1	Ca_kabuli_chr01	38613305	GG	CC	1940141820
SNP_P1_16265_38614219	NC_021160.1	Ca_kabuli_chr01	38614219	GG	AA	1940141821
SNP_P1_16266_38615144	NC_021160.1	Ca_kabuli_chr01	38615144	AA	GG	1940141822
SNP_P1_16267_38615182	NC_021160.1	Ca_kabuli_chr01	38615182	AA	GG	1940141823
SNP_P1_16268_38615547	NC_021160.1	Ca_kabuli_chr01	38615547	AA	GG	1940141824
SNP_P1_16269_38615781	NC_021160.1	Ca_kabuli_chr01	38615781	TT	GG	1940141825
SNP_P1_16270_38616761	NC_021160.1	Ca_kabuli_chr01	38616761	AA	GG	1940141826
SNP_P1_16271_38616799	NC_021160.1	Ca_kabuli_chr01	38616799	CC	GG	1940141827
SNP_P1_16272_38616840	NC_021160.1	Ca_kabuli_chr01	38616840	TT	CC	1940141828
SNP_P1_16273_38616945	NC_021160.1	Ca_kabuli_chr01	38616945	AA	GG	1940141829
SNP_P1_16274_38621188	NC_021160.1	Ca_kabuli_chr01	38621188	CC	AA	1940141830
SNP_P1_16275_38621212	NC_021160.1	Ca_kabuli_chr01	38621212	AA	CC	1940141831
SNP_P1_16276_38621527	NC_021160.1	Ca_kabuli_chr01	38621527	AA	GG	1940141832
SNP_P1_16277_38621869	NC_021160.1	Ca_kabuli_chr01	38621869	AA	GG	1940141833
SNP_P1_16278_38621906	NC_021160.1	Ca_kabuli_chr01	38621906	AA	GG	1940141834
SNP_P1_16279_38622367	NC_021160.1	Ca_kabuli_chr01	38622367	TT	GG	1940141835
SNP_P1_16280_38623214	NC_021160.1	Ca_kabuli_chr01	38623214	GG	AA	1940141836
SNP_P1_16282_38623622	NC_021160.1	Ca_kabuli_chr01	38623622	AA	TT	1940141837
SNP_P1_16283_38623780	NC_021160.1	Ca_kabuli_chr01	38623780	GG	AA	1940141838
SNP_P1_16284_38624700	NC_021160.1	Ca_kabuli_chr01	38624700	AA	TT	1940141840
SNP_P1_16285_38626425	NC_021160.1	Ca_kabuli_chr01	38626425	AA	GG	1940141841
SNP_P1_16286_38627040	NC_021160.1	Ca_kabuli_chr01	38627040	AA	GG	1940141842
SNP_P1_16287_38627479	NC_021160.1	Ca_kabuli_chr01	38627479	GG	AA	1940141843
SNP_P1_16288_38628091	NC_021160.1	Ca_kabuli_chr01	38628091	GG	CC	1940141844
SNP_P1_16289_38628828	NC_021160.1	Ca_kabuli_chr01	38628828	GG	CC	1940141845
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SNP_P1_16291_38630274	NC_021160.1	Ca_kabuli_chr01	38630274	TT	CC	1940141847
SNP_P1_16292_38630435	NC_021160.1	Ca_kabuli_chr01	38630435	CC	TT	1940141848
SNP_P1_16293_38632140	NC_021160.1	Ca_kabuli_chr01	38632140	AA	CC	1940141849
SNP_P1_16294_38633847	NC_021160.1	Ca_kabuli_chr01	38633847	GG	AA	1940141850
SNP_P1_16295_38633849	NC_021160.1	Ca_kabuli_chr01	38633849	CC	TT	1940141851
SNP_P1_16296_38634118	NC_021160.1	Ca_kabuli_chr01	38634118	AA	TT	1940141852
SNP_P1_16297_38634182	NC_021160.1	Ca_kabuli_chr01	38634182	TT	GG	1940141853
SNP_P1_16298_38634419	NC_021160.1	Ca_kabuli_chr01	38634419	AA	GG	1940141854
SNP_P1_16299_38635897	NC_021160.1	Ca_kabuli_chr01	38635897	CC	TT	1940141855
SNP_P1_16301_38638485	NC_021160.1	Ca_kabuli_chr01	38638485	AA	GG	1940141856
SNP_P1_16302_38638753	NC_021160.1	Ca_kabuli_chr01	38638753	TT	CC	1940141857
SNP_P1_16303_38638969	NC_021160.1	Ca_kabuli_chr01	38638969	TT	CC	1940141858
SNP_P1_16304_38638988	NC_021160.1	Ca_kabuli_chr01	38638988	CC	GG	1940141859
SNP_P1_16305_38639412	NC_021160.1	Ca_kabuli_chr01	38639412	AA	GG	1940141860
SNP_P1_16306_38639671	NC_021160.1	Ca_kabuli_chr01	38639671	CC	TT	1940141861

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16309_38641393	NC_021160.1	Ca_kabuli_chr01	38641393	TT	AA	1940141863
SNP_P1_16310_38641527	NC_021160.1	Ca_kabuli_chr01	38641527	TT	CC	1940141864
SNP_P1_16311_38643641	NC_021160.1	Ca_kabuli_chr01	38643641	AA	GG	1940141865
SNP_P1_16312_38643650	NC_021160.1	Ca_kabuli_chr01	38643650	TT	GG	1940141866
SNP_P1_16313_38643674	NC_021160.1	Ca_kabuli_chr01	38643674	AA	GG	1940141867
SNP_P1_16314_38643696	NC_021160.1	Ca_kabuli_chr01	38643696	CC	AA	1940141868
SNP_P1_16315_38649396	NC_021160.1	Ca_kabuli_chr01	38649396	CC	TT	1940141869
SNP_P1_16316_38649659	NC_021160.1	Ca_kabuli_chr01	38649659	AA	CC	1940141870
SNP_P1_16317_38649674	NC_021160.1	Ca_kabuli_chr01	38649674	GG	CC	1940141871
SNP_P1_16318_38650524	NC_021160.1	Ca_kabuli_chr01	38650524	CC	TT	1940141873
SNP_P1_16319_38650826	NC_021160.1	Ca_kabuli_chr01	38650826	TT	GG	1940141874
SNP_P1_16320_38651048	NC_021160.1	Ca_kabuli_chr01	38651048	TT	CC	1940141875
SNP_P1_16321_38651082	NC_021160.1	Ca_kabuli_chr01	38651082	CC	TT	1940141876
SNP_P1_16322_38651092	NC_021160.1	Ca_kabuli_chr01	38651092	AA	GG	1940141877
SNP_P1_16323_38651098	NC_021160.1	Ca_kabuli_chr01	38651098	AA	CC	1940141878
SNP_P1_16324_38651197	NC_021160.1	Ca_kabuli_chr01	38651197	CC	AA	1940141879
SNP_P1_16325_38651290	NC_021160.1	Ca_kabuli_chr01	38651290	AA	CC	1940141880
SNP_P1_16326_38651616	NC_021160.1	Ca_kabuli_chr01	38651616	GG	AA	1940141881
SNP_P1_16327_38651742	NC_021160.1	Ca_kabuli_chr01	38651742	GG	AA	1940141882
SNP_P1_16328_38651968	NC_021160.1	Ca_kabuli_chr01	38651968	GG	AA	1940141883
SNP_P1_16329_38652079	NC_021160.1	Ca_kabuli_chr01	38652079	AA	GG	1940141884
SNP_P1_16330_38655574	NC_021160.1	Ca_kabuli_chr01	38655574	AA	GG	1940141885
SNP_P1_16332_38660082	NC_021160.1	Ca_kabuli_chr01	38660082	CC	TT	1940141886
SNP_P1_16333_38661342	NC_021160.1	Ca_kabuli_chr01	38661342	TT	AA	1940141887
SNP_P1_16334_38661693	NC_021160.1	Ca_kabuli_chr01	38661693	CC	AA	1940141888
SNP_P1_16335_38661939	NC_021160.1	Ca_kabuli_chr01	38661939	AA	GG	1940141889
SNP_P1_16336_38662216	NC_021160.1	Ca_kabuli_chr01	38662216	GG	AA	1940141890
SNP_P1_16337_38662232	NC_021160.1	Ca_kabuli_chr01	38662232	CC	GG	1940141891
SNP_P1_16338_38662555	NC_021160.1	Ca_kabuli_chr01	38662555	GG	AA	1940141892
SNP_P1_16339_38662563	NC_021160.1	Ca_kabuli_chr01	38662563	GG	TT	1940141893
SNP_P1_16340_38662899	NC_021160.1	Ca_kabuli_chr01	38662899	GG	AA	1940141894
SNP_P1_16341_38663985	NC_021160.1	Ca_kabuli_chr01	38663985	TT	CC	1940141895
SNP_P1_16342_38667514	NC_021160.1	Ca_kabuli_chr01	38667514	TT	CC	1940141896
SNP_P1_16343_38670376	NC_021160.1	Ca_kabuli_chr01	38670376	AA	TT	1940141897
SNP_P1_16344_38670807	NC_021160.1	Ca_kabuli_chr01	38670807	AA	GG	1940141898
SNP_P1_16346_38671155	NC_021160.1	Ca_kabuli_chr01	38671155	AA	GG	1940141899
SNP_P1_16347_38671372	NC_021160.1	Ca_kabuli_chr01	38671372	GG	TT	1940141900
SNP_P1_16348_38671448	NC_021160.1	Ca_kabuli_chr01	38671448	GG	AA	1940141901
SNP_P1_16349_38671666	NC_021160.1	Ca_kabuli_chr01	38671666	TT	AA	1940141902
SNP_P1_16350_38671822	NC_021160.1	Ca_kabuli_chr01	38671822	GG	TT	1940141903
SNP_P1_16351_38672586	NC_021160.1	Ca_kabuli_chr01	38672586	GG	AA	1940141904

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16353_38676993	NC_021160.1	Ca_kabuli_chr01	38676993	TT	CC	1940141906
SNP_P1_16354_38677042	NC_021160.1	Ca_kabuli_chr01	38677042	CC	TT	1940141907
SNP_P1_16355_38677084	NC_021160.1	Ca_kabuli_chr01	38677084	CC	AA	1940141909
SNP_P1_16356_38677127	NC_021160.1	Ca_kabuli_chr01	38677127	TT	CC	1940141910
SNP_P1_16357_38677173	NC_021160.1	Ca_kabuli_chr01	38677173	GG	TT	1940141911
SNP_P1_16358_38677343	NC_021160.1	Ca_kabuli_chr01	38677343	AA	CC	1940141912
SNP_P1_16359_38677399	NC_021160.1	Ca_kabuli_chr01	38677399	CC	GG	1940141913
SNP_P1_16360_38677402	NC_021160.1	Ca_kabuli_chr01	38677402	AA	CC	1940141914
SNP_P1_16361_38677414	NC_021160.1	Ca_kabuli_chr01	38677414	CC	TT	1940141915
SNP_P1_16362_38677420	NC_021160.1	Ca_kabuli_chr01	38677420	GG	AA	1940141916
SNP_P1_16363_38677449	NC_021160.1	Ca_kabuli_chr01	38677449	AA	GG	1940141917
SNP_P1_16364_38677476	NC_021160.1	Ca_kabuli_chr01	38677476	AA	GG	1940141918
SNP_P1_16365_38677496	NC_021160.1	Ca_kabuli_chr01	38677496	AA	CC	1940141919
SNP_P1_16366_38677514	NC_021160.1	Ca_kabuli_chr01	38677514	AA	GG	1940141920
SNP_P1_16367_38677523	NC_021160.1	Ca_kabuli_chr01	38677523	TT	CC	1940141921
SNP_P1_16368_38677534	NC_021160.1	Ca_kabuli_chr01	38677534	GG	AA	1940141922
SNP_P1_16369_38677577	NC_021160.1	Ca_kabuli_chr01	38677577	AA	GG	1940141923
SNP_P1_16370_38677591	NC_021160.1	Ca_kabuli_chr01	38677591	AA	GG	1940141924
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SNP_P1_16373_38680210	NC_021160.1	Ca_kabuli_chr01	38680210	AA	GG	1940141927
SNP_P1_16374_38680817	NC_021160.1	Ca_kabuli_chr01	38680817	GG	AA	1940141928
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SNP_P1_16376_38682907	NC_021160.1	Ca_kabuli_chr01	38682907	GG	AA	1940141930
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SNP_P1_16379_38698894	NC_021160.1	Ca_kabuli_chr01	38698894	TT	GG	1940141932
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SNP_P1_16381_38699241	NC_021160.1	Ca_kabuli_chr01	38699241	GG	AA	1940141934
SNP_P1_16382_38704480	NC_021160.1	Ca_kabuli_chr01	38704480	CC	TT	1940141935
SNP_P1_16383_38706328	NC_021160.1	Ca_kabuli_chr01	38706328	TT	CC	1940141936
SNP_P1_16384_38707344	NC_021160.1	Ca_kabuli_chr01	38707344	TT	CC	1940141937
SNP_P1_16385_38709575	NC_021160.1	Ca_kabuli_chr01	38709575	AA	TT	1940141938
SNP_P1_16386_38709606	NC_021160.1	Ca_kabuli_chr01	38709606	TT	GG	1940141939
SNP_P1_16387_38709789	NC_021160.1	Ca_kabuli_chr01	38709789	AA	GG	1940141940
SNP_P1_16388_38710000	NC_021160.1	Ca_kabuli_chr01	38710000	CC	TT	1940141941
SNP_P1_16389_38710100	NC_021160.1	Ca_kabuli_chr01	38710100	TT	AA	1940141942
SNP_P1_16390_38710409	NC_021160.1	Ca_kabuli_chr01	38710409	AA	GG	1940141943
SNP_P1_16392_38711944	NC_021160.1	Ca_kabuli_chr01	38711944	TT	CC	1940141944
SNP_P1_16393_38713923	NC_021160.1	Ca_kabuli_chr01	38713923	CC	TT	1940141945
SNP_P1_16394_38714261	NC_021160.1	Ca_kabuli_chr01	38714261	AA	TT	1940141946
SNP_P1_16395_38717770	NC_021160.1	Ca_kabuli_chr01	38717770	AA	CC	1940141947

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16398_38731679	NC_021160.1	Ca_kabuli_chr01	38731679	AA	CC	1940141951
SNP_P1_16399_38732438	NC_021160.1	Ca_kabuli_chr01	38732438	TT	AA	1940141952
SNP_P1_16400_38734123	NC_021160.1	Ca_kabuli_chr01	38734123	TT	CC	1940141953
SNP_P1_16401_38734849	NC_021160.1	Ca_kabuli_chr01	38734849	CC	AA	1940141954
SNP_P1_16402_38735477	NC_021160.1	Ca_kabuli_chr01	38735477	CC	TT	1940141955
SNP_P1_16403_38735522	NC_021160.1	Ca_kabuli_chr01	38735522	GG	AA	1940141956
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SNP_P1_16405_38736435	NC_021160.1	Ca_kabuli_chr01	38736435	CC	AA	1940141958
SNP_P1_16406_38736607	NC_021160.1	Ca_kabuli_chr01	38736607	CC	TT	1940141959
SNP_P1_16407_38736866	NC_021160.1	Ca_kabuli_chr01	38736866	AA	CC	1940141960
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SNP_P1_16410_38737796	NC_021160.1	Ca_kabuli_chr01	38737796	AA	CC	1940141963
SNP_P1_16411_38737890	NC_021160.1	Ca_kabuli_chr01	38737890	TT	AA	1940141964
SNP_P1_16412_38737924	NC_021160.1	Ca_kabuli_chr01	38737924	AA	TT	1940141965
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SNP_P1_16416_38742851	NC_021160.1	Ca_kabuli_chr01	38742851	AA	GG	1940141969
SNP_P1_16417_38743275	NC_021160.1	Ca_kabuli_chr01	38743275	GG	AA	1940141970
SNP_P1_16418_38743344	NC_021160.1	Ca_kabuli_chr01	38743344	TT	CC	1940141971
SNP_P1_16419_38743362	NC_021160.1	Ca_kabuli_chr01	38743362	TT	AA	1940141972
SNP_P1_16420_38743726	NC_021160.1	Ca_kabuli_chr01	38743726	CC	TT	1940141973
SNP_P1_16421_38743911	NC_021160.1	Ca_kabuli_chr01	38743911	AA	GG	1940141974
SNP_P1_16422_38743947	NC_021160.1	Ca_kabuli_chr01	38743947	GG	AA	1940141975
SNP_P1_16423_38744306	NC_021160.1	Ca_kabuli_chr01	38744306	GG	AA	1940141976
SNP_P1_16424_38745551	NC_021160.1	Ca_kabuli_chr01	38745551	GG	AA	1940141977
SNP_P1_16425_38745573	NC_021160.1	Ca_kabuli_chr01	38745573	CC	TT	1940141978
SNP_P1_16426_38745864	NC_021160.1	Ca_kabuli_chr01	38745864	AA	GG	1940141979
SNP_P1_16427_38745866	NC_021160.1	Ca_kabuli_chr01	38745866	AA	TT	1940141980
SNP_P1_16428_38746145	NC_021160.1	Ca_kabuli_chr01	38746145	CC	TT	1940141981
SNP_P1_16429_38746155	NC_021160.1	Ca_kabuli_chr01	38746155	CC	TT	1940141982
SNP_P1_16432_38747973	NC_021160.1	Ca_kabuli_chr01	38747973	GG	AA	1940141983
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SNP_P1_16434_38748460	NC_021160.1	Ca_kabuli_chr01	38748460	GG	TT	1940141985
SNP_P1_16435_38748482	NC_021160.1	Ca_kabuli_chr01	38748482	GG	AA	1940141986
SNP_P1_16436_38748483	NC_021160.1	Ca_kabuli_chr01	38748483	AA	GG	1940141987
SNP_P1_16437_38748507	NC_021160.1	Ca_kabuli_chr01	38748507	AA	GG	1940141988
SNP_P1_16438_38748840	NC_021160.1	Ca_kabuli_chr01	38748840	CC	TT	1940141989
SNP_P1_16439_38748858	NC_021160.1	Ca_kabuli_chr01	38748858	TT	AA	1940141991

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_16440_38749628	NC_021160.1	Ca_kabuli_chr01	38749628	GG	AA	1940141992
SNP_P1_16441_38749721	NC_021160.1	Ca_kabuli_chr01	38749721	GG	AA	1940141993
SNP_P1_16442_38750067	NC_021160.1	Ca_kabuli_chr01	38750067	CC	GG	1940141994
SNP_P1_16443_38750098	NC_021160.1	Ca_kabuli_chr01	38750098	CC	TT	1940141995
SNP_P1_16444_38750207	NC_021160.1	Ca_kabuli_chr01	38750207	AA	GG	1940141996
SNP_P1_16445_38750232	NC_021160.1	Ca_kabuli_chr01	38750232	CC	TT	1940141997
SNP_P1_16446_38750266	NC_021160.1	Ca_kabuli_chr01	38750266	AA	CC	1940141998
SNP_P1_16447_38750293	NC_021160.1	Ca_kabuli_chr01	38750293	AA	GG	1940141999
SNP_P1_16448_38750311	NC_021160.1	Ca_kabuli_chr01	38750311	GG	AA	1940142000
SNP_P1_16449_38750318	NC_021160.1	Ca_kabuli_chr01	38750318	TT	CC	1940142001
SNP_P1_16450_38750612	NC_021160.1	Ca_kabuli_chr01	38750612	CC	GG	1940142002
SNP_P1_16451_38750685	NC_021160.1	Ca_kabuli_chr01	38750685	TT	GG	1940142003
SNP_P1_16452_38750733	NC_021160.1	Ca_kabuli_chr01	38750733	GG	AA	1940142004
SNP_P1_16453_38751651	NC_021160.1	Ca_kabuli_chr01	38751651	TT	AA	1940142005
SNP_P1_16454_38752269	NC_021160.1	Ca_kabuli_chr01	38752269	GG	AA	1940142006
SNP_P1_16455_38753097	NC_021160.1	Ca_kabuli_chr01	38753097	AA	GG	1940142007
SNP_P1_16456_38753156	NC_021160.1	Ca_kabuli_chr01	38753156	GG	TT	1940142008
SNP_P1_16457_38753158	NC_021160.1	Ca_kabuli_chr01	38753158	CC	TT	1940142009
SNP_P1_16458_38753436	NC_021160.1	Ca_kabuli_chr01	38753436	CC	TT	1940142010
SNP_P1_16459_38753486	NC_021160.1	Ca_kabuli_chr01	38753486	CC	TT	1940142011
SNP_P1_16460_38753661	NC_021160.1	Ca_kabuli_chr01	38753661	AA	CC	1940142012
SNP_P1_16461_38753711	NC_021160.1	Ca_kabuli_chr01	38753711	TT	CC	1940142013
SNP_P1_16462_38754552	NC_021160.1	Ca_kabuli_chr01	38754552	GG	AA	1940142014
SNP_P1_16463_38754569	NC_021160.1	Ca_kabuli_chr01	38754569	CC	TT	1940142015
SNP_P1_16464_38754762	NC_021160.1	Ca_kabuli_chr01	38754762	AA	TT	1940142016
SNP_P1_16465_38755139	NC_021160.1	Ca_kabuli_chr01	38755139	AA	TT	1940142017
SNP_P1_16466_38756945	NC_021160.1	Ca_kabuli_chr01	38756945	GG	AA	1940142018
SNP_P1_16467_38757031	NC_021160.1	Ca_kabuli_chr01	38757031	GG	AA	1940142019
SNP_P1_16468_38757183	NC_021160.1	Ca_kabuli_chr01	38757183	AA	GG	1940142020
SNP_P1_16469_38757328	NC_021160.1	Ca_kabuli_chr01	38757328	TT	CC	1940142021
SNP_P1_16470_38757351	NC_021160.1	Ca_kabuli_chr01	38757351	TT	GG	1940142022
SNP_P1_16472_38757537	NC_021160.1	Ca_kabuli_chr01	38757537	CC	TT	1940142023
SNP_P1_16473_38758674	NC_021160.1	Ca_kabuli_chr01	38758674	AA	GG	1940142024
SNP_P1_16474_38758688	NC_021160.1	Ca_kabuli_chr01	38758688	GG	AA	1940142025
SNP_P1_16475_38758880	NC_021160.1	Ca_kabuli_chr01	38758880	TT	GG	1940142026
SNP_P1_16476_38758968	NC_021160.1	Ca_kabuli_chr01	38758968	CC	TT	1940142027
SNP_P1_16477_38761051	NC_021160.1	Ca_kabuli_chr01	38761051	GG	AA	1940142028
SNP_P1_16478_38761057	NC_021160.1	Ca_kabuli_chr01	38761057	AA	CC	1940142030
SNP_P1_16479_38761064	NC_021160.1	Ca_kabuli_chr01	38761064	TT	AA	1940142031
SNP_P1_16480_38761537	NC_021160.1	Ca_kabuli_chr01	38761537	CC	TT	1940142032
SNP_P1_16481_38761581	NC_021160.1	Ca_kabuli_chr01	38761581	GG	CC	1940142033
SNP_P1_16482_38761585	NC_021160.1	Ca_kabuli_chr01	38761585	TT	CC	1940142034

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16484_38762987	NC_021160.1	Ca_kabuli_chr01	38762987	TT	GG	1940142036
SNP_P1_16485_38763267	NC_021160.1	Ca_kabuli_chr01	38763267	AA	GG	1940142037
SNP_P1_16486_38764008	NC_021160.1	Ca_kabuli_chr01	38764008	AA	CC	1940142038
SNP_P1_16488_38764161	NC_021160.1	Ca_kabuli_chr01	38764161	TT	CC	1940142039
SNP_P1_16489_38764204	NC_021160.1	Ca_kabuli_chr01	38764204	TT	GG	1940142040
SNP_P1_16490_38764510	NC_021160.1	Ca_kabuli_chr01	38764510	GG	CC	1940142041
SNP_P1_16491_38764831	NC_021160.1	Ca_kabuli_chr01	38764831	GG	AA	1940142042
SNP_P1_16492_38765389	NC_021160.1	Ca_kabuli_chr01	38765389	TT	AA	1940142043
SNP_P1_16493_38765391	NC_021160.1	Ca_kabuli_chr01	38765391	AA	GG	1940142044
SNP_P1_16494_38765614	NC_021160.1	Ca_kabuli_chr01	38765614	AA	CC	1940142045
SNP_P1_16496_38767601	NC_021160.1	Ca_kabuli_chr01	38767601	GG	AA	1940142046
SNP_P1_16497_38768768	NC_021160.1	Ca_kabuli_chr01	38768768	AA	TT	1940142047
SNP_P1_16498_38769075	NC_021160.1	Ca_kabuli_chr01	38769075	GG	CC	1940142048
SNP_P1_16499_38769078	NC_021160.1	Ca_kabuli_chr01	38769078	TT	AA	1940142049
SNP_P1_16500_38770208	NC_021160.1	Ca_kabuli_chr01	38770208	TT	GG	1940142050
SNP_P1_16501_38771809	NC_021160.1	Ca_kabuli_chr01	38771809	AA	CC	1940142051
SNP_P1_16502_38772930	NC_021160.1	Ca_kabuli_chr01	38772930	GG	AA	1940142052
SNP_P1_16503_38772947	NC_021160.1	Ca_kabuli_chr01	38772947	TT	CC	1940142053
SNP_P1_16504_38773116	NC_021160.1	Ca_kabuli_chr01	38773116	TT	AA	1940142054
SNP_P1_16505_38773318	NC_021160.1	Ca_kabuli_chr01	38773318	AA	TT	1940142055
SNP_P1_16508_38773680	NC_021160.1	Ca_kabuli_chr01	38773680	CC	TT	1940142056
SNP_P1_16509_38773710	NC_021160.1	Ca_kabuli_chr01	38773710	GG	AA	1940142057
SNP_P1_16510_38773734	NC_021160.1	Ca_kabuli_chr01	38773734	TT	CC	1940142058
SNP_P1_16511_38773764	NC_021160.1	Ca_kabuli_chr01	38773764	TT	CC	1940142059
SNP_P1_16513_38773884	NC_021160.1	Ca_kabuli_chr01	38773884	TT	CC	1940142060
SNP_P1_16514_38774194	NC_021160.1	Ca_kabuli_chr01	38774194	TT	AA	1940142061
SNP_P1_16515_38774262	NC_021160.1	Ca_kabuli_chr01	38774262	CC	TT	1940142062
SNP_P1_16516_38774274	NC_021160.1	Ca_kabuli_chr01	38774274	TT	CC	1940142063
SNP_P1_16517_38774304	NC_021160.1	Ca_kabuli_chr01	38774304	AA	CC	1940142064
SNP_P1_16518_38774558	NC_021160.1	Ca_kabuli_chr01	38774558	AA	GG	1940142065
SNP_P1_16519_38774628	NC_021160.1	Ca_kabuli_chr01	38774628	CC	TT	1940142066
SNP_P1_16520_38774637	NC_021160.1	Ca_kabuli_chr01	38774637	TT	CC	1940142067
SNP_P1_16521_38775114	NC_021160.1	Ca_kabuli_chr01	38775114	CC	TT	1940142069
SNP_P1_16522_38775174	NC_021160.1	Ca_kabuli_chr01	38775174	GG	AA	1940142070
SNP_P1_16523_38775497	NC_021160.1	Ca_kabuli_chr01	38775497	AA	GG	1940142071
SNP_P1_16525_38775568	NC_021160.1	Ca_kabuli_chr01	38775568	AA	CC	1940142072
SNP_P1_16526_38775752	NC_021160.1	Ca_kabuli_chr01	38775752	AA	GG	1940142073
SNP_P1_16527_38777216	NC_021160.1	Ca_kabuli_chr01	38777216	GG	AA	1940142074
SNP_P1_16528_38777406	NC_021160.1	Ca_kabuli_chr01	38777406	CC	TT	1940142075
SNP_P1_16529_38777669	NC_021160.1	Ca_kabuli_chr01	38777669	AA	GG	1940142076
SNP_P1_16530_38778996	NC_021160.1	Ca_kabuli_chr01	38778996	CC	TT	1940142077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16532_38779380	NC_021160.1	Ca_kabuli_chr01	38779380	GG	AA	1940142079
SNP_P1_16533_38779398	NC_021160.1	Ca_kabuli_chr01	38779398	AA	CC	1940142080
SNP_P1_16534_38779408	NC_021160.1	Ca_kabuli_chr01	38779408	AA	GG	1940142081
SNP_P1_16535_38779440	NC_021160.1	Ca_kabuli_chr01	38779440	GG	AA	1940142082
SNP_P1_16536_38779455	NC_021160.1	Ca_kabuli_chr01	38779455	GG	AA	1940142083
SNP_P1_16538_38780118	NC_021160.1	Ca_kabuli_chr01	38780118	AA	TT	1940142084
SNP_P1_16539_38780397	NC_021160.1	Ca_kabuli_chr01	38780397	GG	AA	1940142085
SNP_P1_16540_38780705	NC_021160.1	Ca_kabuli_chr01	38780705	AA	GG	1940142086
SNP_P1_16541_38781211	NC_021160.1	Ca_kabuli_chr01	38781211	AA	GG	1940142087
SNP_P1_16542_38781220	NC_021160.1	Ca_kabuli_chr01	38781220	TT	AA	1940142088
SNP_P1_16543_38781232	NC_021160.1	Ca_kabuli_chr01	38781232	CC	AA	1940142089
SNP_P1_16544_38781250	NC_021160.1	Ca_kabuli_chr01	38781250	CC	TT	1940142090
SNP_P1_16545_38781384	NC_021160.1	Ca_kabuli_chr01	38781384	CC	TT	1940142091
SNP_P1_16546_38781487	NC_021160.1	Ca_kabuli_chr01	38781487	AA	CC	1940142092
SNP_P1_16547_38781537	NC_021160.1	Ca_kabuli_chr01	38781537	GG	AA	1940142093
SNP_P1_16548_38781586	NC_021160.1	Ca_kabuli_chr01	38781586	GG	AA	1940142094
SNP_P1_16549_38781764	NC_021160.1	Ca_kabuli_chr01	38781764	AA	CC	1940142095
SNP_P1_16550_38781958	NC_021160.1	Ca_kabuli_chr01	38781958	GG	TT	1940142096
SNP_P1_16551_38781959	NC_021160.1	Ca_kabuli_chr01	38781959	TT	AA	1940142097
SNP_P1_16552_38787208	NC_021160.1	Ca_kabuli_chr01	38787208	CC	TT	1940142098
SNP_P1_16553_38789860	NC_021160.1	Ca_kabuli_chr01	38789860	CC	TT	1940142099
SNP_P1_16554_38789902	NC_021160.1	Ca_kabuli_chr01	38789902	TT	CC	1940142100
SNP_P1_16555_38789905	NC_021160.1	Ca_kabuli_chr01	38789905	TT	CC	1940142101
SNP_P1_16556_38789943	NC_021160.1	Ca_kabuli_chr01	38789943	TT	CC	1940142102
SNP_P1_16557_38789951	NC_021160.1	Ca_kabuli_chr01	38789951	CC	TT	1940142103
SNP_P1_16558_38790275	NC_021160.1	Ca_kabuli_chr01	38790275	GG	AA	1940142104
SNP_P1_16560_38792642	NC_021160.1	Ca_kabuli_chr01	38792642	CC	TT	1940142105
SNP_P1_16561_38792697	NC_021160.1	Ca_kabuli_chr01	38792697	TT	GG	1940142106
SNP_P1_16562_38792835	NC_021160.1	Ca_kabuli_chr01	38792835	CC	AA	1940142107
SNP_P1_16563_38792855	NC_021160.1	Ca_kabuli_chr01	38792855	AA	GG	1940142108
SNP_P1_16564_38793090	NC_021160.1	Ca_kabuli_chr01	38793090	GG	AA	1940142109
SNP_P1_16565_38793223	NC_021160.1	Ca_kabuli_chr01	38793223	TT	CC	1940142111
SNP_P1_16566_38793430	NC_021160.1	Ca_kabuli_chr01	38793430	AA	GG	1940142112
SNP_P1_16567_38793743	NC_021160.1	Ca_kabuli_chr01	38793743	GG	AA	1940142113
SNP_P1_16568_38793753	NC_021160.1	Ca_kabuli_chr01	38793753	GG	AA	1940142114
SNP_P1_16569_38795737	NC_021160.1	Ca_kabuli_chr01	38795737	AA	GG	1940142115
SNP_P1_16570_38795768	NC_021160.1	Ca_kabuli_chr01	38795768	TT	CC	1940142116
SNP_P1_16571_38796380	NC_021160.1	Ca_kabuli_chr01	38796380	TT	CC	1940142117
SNP_P1_16572_38796491	NC_021160.1	Ca_kabuli_chr01	38796491	AA	CC	1940142118
SNP_P1_16573_38796611	NC_021160.1	Ca_kabuli_chr01	38796611	CC	AA	1940142119
SNP_P1_16574_38796615	NC_021160.1	Ca_kabuli_chr01	38796615	TT	CC	1940142120

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16576_38797703	NC_021160.1	Ca_kabuli_chr01	38797703	TT	AA	1940142122
SNP_P1_16577_38797704	NC_021160.1	Ca_kabuli_chr01	38797704	CC	AA	1940142123
SNP_P1_16578_38797708	NC_021160.1	Ca_kabuli_chr01	38797708	GG	TT	1940142124
SNP_P1_16579_38797769	NC_021160.1	Ca_kabuli_chr01	38797769	TT	CC	1940142125
SNP_P1_16580_38797776	NC_021160.1	Ca_kabuli_chr01	38797776	TT	AA	1940142126
SNP_P1_16581_38797860	NC_021160.1	Ca_kabuli_chr01	38797860	GG	AA	1940142127
SNP_P1_16582_38797892	NC_021160.1	Ca_kabuli_chr01	38797892	AA	CC	1940142128
SNP_P1_16584_38798569	NC_021160.1	Ca_kabuli_chr01	38798569	GG	AA	1940142129
SNP_P1_16585_38798587	NC_021160.1	Ca_kabuli_chr01	38798587	GG	AA	1940142130
SNP_P1_16586_38798621	NC_021160.1	Ca_kabuli_chr01	38798621	AA	TT	1940142131
SNP_P1_16587_38798636	NC_021160.1	Ca_kabuli_chr01	38798636	CC	AA	1940142132
SNP_P1_16588_38798658	NC_021160.1	Ca_kabuli_chr01	38798658	TT	CC	1940142133
SNP_P1_16589_38798899	NC_021160.1	Ca_kabuli_chr01	38798899	TT	CC	1940142134
SNP_P1_16590_38798901	NC_021160.1	Ca_kabuli_chr01	38798901	GG	AA	1940142135
SNP_P1_16591_38799979	NC_021160.1	Ca_kabuli_chr01	38799979	CC	GG	1940142136
SNP_P1_16592_38800045	NC_021160.1	Ca_kabuli_chr01	38800045	GG	AA	1940142137
SNP_P1_16593_38800053	NC_021160.1	Ca_kabuli_chr01	38800053	AA	GG	1940142138
SNP_P1_16594_38800162	NC_021160.1	Ca_kabuli_chr01	38800162	GG	AA	1940142139
SNP_P1_16595_38800233	NC_021160.1	Ca_kabuli_chr01	38800233	GG	CC	1940142140
SNP_P1_16596_38800453	NC_021160.1	Ca_kabuli_chr01	38800453	AA	GG	1940142141
SNP_P1_16597_38800458	NC_021160.1	Ca_kabuli_chr01	38800458	CC	TT	1940142142
SNP_P1_16598_38800514	NC_021160.1	Ca_kabuli_chr01	38800514	GG	AA	1940142143
SNP_P1_16599_38800719	NC_021160.1	Ca_kabuli_chr01	38800719	AA	GG	1940142144
SNP_P1_16600_38801352	NC_021160.1	Ca_kabuli_chr01	38801352	CC	TT	1940142145
SNP_P1_16601_38801393	NC_021160.1	Ca_kabuli_chr01	38801393	TT	CC	1940142146
SNP_P1_16602_38801517	NC_021160.1	Ca_kabuli_chr01	38801517	AA	GG	1940142147
SNP_P1_16603_38801607	NC_021160.1	Ca_kabuli_chr01	38801607	TT	AA	1940142148
SNP_P1_16604_38801616	NC_021160.1	Ca_kabuli_chr01	38801616	CC	TT	1940142149
SNP_P1_16605_38801643	NC_021160.1	Ca_kabuli_chr01	38801643	CC	AA	1940142150
SNP_P1_16606_38801675	NC_021160.1	Ca_kabuli_chr01	38801675	CC	TT	1940142151
SNP_P1_16607_38801842	NC_021160.1	Ca_kabuli_chr01	38801842	GG	TT	1940142153
SNP_P1_16608_38801967	NC_021160.1	Ca_kabuli_chr01	38801967	GG	TT	1940142154
SNP_P1_16609_38802589	NC_021160.1	Ca_kabuli_chr01	38802589	CC	AA	1940142155
SNP_P1_16610_38812069	NC_021160.1	Ca_kabuli_chr01	38812069	TT	CC	1940142156
SNP_P1_16611_38812097	NC_021160.1	Ca_kabuli_chr01	38812097	TT	CC	1940142157
SNP_P1_16612_38812100	NC_021160.1	Ca_kabuli_chr01	38812100	TT	GG	1940142158
SNP_P1_16613_38812873	NC_021160.1	Ca_kabuli_chr01	38812873	CC	TT	1940142159
SNP_P1_16614_38812945	NC_021160.1	Ca_kabuli_chr01	38812945	CC	TT	1940142160
SNP_P1_16615_38813177	NC_021160.1	Ca_kabuli_chr01	38813177	AA	CC	1940142161
SNP_P1_16616_38813479	NC_021160.1	Ca_kabuli_chr01	38813479	CC	AA	1940142162
SNP_P1_16617_38814528	NC_021160.1	Ca_kabuli_chr01	38814528	TT	CC	1940142163

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16619_38814968	NC_021160.1	Ca_kabuli_chr01	38814968	CC	AA	1940142165
SNP_P1_16620_38814974	NC_021160.1	Ca_kabuli_chr01	38814974	CC	TT	1940142166
SNP_P1_16621_38815010	NC_021160.1	Ca_kabuli_chr01	38815010	CC	TT	1940142167
SNP_P1_16622_38816505	NC_021160.1	Ca_kabuli_chr01	38816505	AA	GG	1940142168
SNP_P1_16623_38816892	NC_021160.1	Ca_kabuli_chr01	38816892	CC	AA	1940142169
SNP_P1_16624_38816999	NC_021160.1	Ca_kabuli_chr01	38816999	CC	AA	1940142170
SNP_P1_16625_38817018	NC_021160.1	Ca_kabuli_chr01	38817018	TT	CC	1940142171
SNP_P1_16626_38817191	NC_021160.1	Ca_kabuli_chr01	38817191	AA	GG	1940142172
SNP_P1_16627_38817327	NC_021160.1	Ca_kabuli_chr01	38817327	GG	AA	1940142173
SNP_P1_16628_38817356	NC_021160.1	Ca_kabuli_chr01	38817356	AA	TT	1940142174
SNP_P1_16629_38818400	NC_021160.1	Ca_kabuli_chr01	38818400	AA	TT	1940142175
SNP_P1_16630_38818401	NC_021160.1	Ca_kabuli_chr01	38818401	AA	TT	1940142176
SNP_P1_16631_38842311	NC_021160.1	Ca_kabuli_chr01	38842311	TT	CC	1940142177
SNP_P1_16632_38842320	NC_021160.1	Ca_kabuli_chr01	38842320	TT	CC	1940142178
SNP_P1_16633_38843533	NC_021160.1	Ca_kabuli_chr01	38843533	GG	AA	1940142179
SNP_P1_16634_38843541	NC_021160.1	Ca_kabuli_chr01	38843541	AA	TT	1940142180
SNP_P1_16635_38843902	NC_021160.1	Ca_kabuli_chr01	38843902	AA	GG	1940142181
SNP_P1_16637_38844282	NC_021160.1	Ca_kabuli_chr01	38844282	TT	CC	1940142182
SNP_P1_16638_38844348	NC_021160.1	Ca_kabuli_chr01	38844348	AA	GG	1940142183
SNP_P1_16639_38844352	NC_021160.1	Ca_kabuli_chr01	38844352	GG	AA	1940142184
SNP_P1_16641_38844406	NC_021160.1	Ca_kabuli_chr01	38844406	CC	TT	1940142185
SNP_P1_16642_38844819	NC_021160.1	Ca_kabuli_chr01	38844819	CC	AA	1940142186
SNP_P1_16643_38846618	NC_021160.1	Ca_kabuli_chr01	38846618	TT	CC	1940142187
SNP_P1_16644_38846982	NC_021160.1	Ca_kabuli_chr01	38846982	TT	CC	1940142188
SNP_P1_16645_38847139	NC_021160.1	Ca_kabuli_chr01	38847139	GG	AA	1940142189
SNP_P1_16646_38847382	NC_021160.1	Ca_kabuli_chr01	38847382	AA	TT	1940142190
SNP_P1_16647_38847407	NC_021160.1	Ca_kabuli_chr01	38847407	TT	CC	1940142191
SNP_P1_16648_38850400	NC_021160.1	Ca_kabuli_chr01	38850400	TT	CC	1940142192
SNP_P1_16649_38851923	NC_021160.1	Ca_kabuli_chr01	38851923	TT	CC	1940142193
SNP_P1_16650_38852398	NC_021160.1	Ca_kabuli_chr01	38852398	AA	GG	1940142194
SNP_P1_16651_38852836	NC_021160.1	Ca_kabuli_chr01	38852836	GG	AA	1940142195
SNP_P1_16652_38852966	NC_021160.1	Ca_kabuli_chr01	38852966	TT	CC	1940142197
SNP_P1_16654_38853200	NC_021160.1	Ca_kabuli_chr01	38853200	AA	GG	1940142198
SNP_P1_16656_38853527	NC_021160.1	Ca_kabuli_chr01	38853527	CC	TT	1940142199
SNP_P1_16657_38853548	NC_021160.1	Ca_kabuli_chr01	38853548	AA	CC	1940142200
SNP_P1_16658_38853550	NC_021160.1	Ca_kabuli_chr01	38853550	AA	TT	1940142201
SNP_P1_16659_38853570	NC_021160.1	Ca_kabuli_chr01	38853570	TT	CC	1940142202
SNP_P1_16660_38854563	NC_021160.1	Ca_kabuli_chr01	38854563	CC	TT	1940142203
SNP_P1_16661_38854579	NC_021160.1	Ca_kabuli_chr01	38854579	AA	TT	1940142204
SNP_P1_16662_38854598	NC_021160.1	Ca_kabuli_chr01	38854598	AA	GG	1940142205
SNP_P1_16664_38855046	NC_021160.1	Ca_kabuli_chr01	38855046	GG	AA	1940142206

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16667_38855383	NC_021160.1	Ca_kabuli_chr01	38855383	TT	CC	1940142208
SNP_P1_16668_38872124	NC_021160.1	Ca_kabuli_chr01	38872124	GG	TT	1940142209
SNP_P1_16669_38872279	NC_021160.1	Ca_kabuli_chr01	38872279	TT	AA	1940142210
SNP_P1_16670_38872280	NC_021160.1	Ca_kabuli_chr01	38872280	CC	TT	1940142211
SNP_P1_16671_38872328	NC_021160.1	Ca_kabuli_chr01	38872328	GG	AA	1940142212
SNP_P1_16672_38872556	NC_021160.1	Ca_kabuli_chr01	38872556	GG	AA	1940142213
SNP_P1_16674_38873004	NC_021160.1	Ca_kabuli_chr01	38873004	GG	AA	1940142214
SNP_P1_16675_38873390	NC_021160.1	Ca_kabuli_chr01	38873390	GG	TT	1940142215
SNP_P1_16676_38873513	NC_021160.1	Ca_kabuli_chr01	38873513	CC	TT	1940142216
SNP_P1_16677_38873756	NC_021160.1	Ca_kabuli_chr01	38873756	CC	TT	1940142217
SNP_P1_16678_38874013	NC_021160.1	Ca_kabuli_chr01	38874013	CC	TT	1940142218
SNP_P1_16680_38874064	NC_021160.1	Ca_kabuli_chr01	38874064	AA	GG	1940142219
SNP_P1_16681_38875716	NC_021160.1	Ca_kabuli_chr01	38875716	AA	TT	1940142220
SNP_P1_16682_38875906	NC_021160.1	Ca_kabuli_chr01	38875906	TT	CC	1940142221
SNP_P1_16683_38877244	NC_021160.1	Ca_kabuli_chr01	38877244	AA	GG	1940142222
SNP_P1_16684_38877456	NC_021160.1	Ca_kabuli_chr01	38877456	TT	CC	1940142223
SNP_P1_16685_38877459	NC_021160.1	Ca_kabuli_chr01	38877459	TT	GG	1940142224
SNP_P1_16686_38877498	NC_021160.1	Ca_kabuli_chr01	38877498	AA	TT	1940142225
SNP_P1_16687_38879024	NC_021160.1	Ca_kabuli_chr01	38879024	CC	TT	1940142226
SNP_P1_16688_38879068	NC_021160.1	Ca_kabuli_chr01	38879068	AA	GG	1940142227
SNP_P1_16689_38879558	NC_021160.1	Ca_kabuli_chr01	38879558	CC	GG	1940142228
SNP_P1_16690_38879599	NC_021160.1	Ca_kabuli_chr01	38879599	AA	GG	1940142229
SNP_P1_16691_38879855	NC_021160.1	Ca_kabuli_chr01	38879855	AA	GG	1940142230
SNP_P1_16692_38879895	NC_021160.1	Ca_kabuli_chr01	38879895	GG	TT	1940142231
SNP_P1_16694_38884526	NC_021160.1	Ca_kabuli_chr01	38884526	GG	AA	1940142233
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SNP_P1_16696_38885298	NC_021160.1	Ca_kabuli_chr01	38885298	AA	TT	1940142235
SNP_P1_16697_38885724	NC_021160.1	Ca_kabuli_chr01	38885724	AA	GG	1940142236
SNP_P1_16698_38886280	NC_021160.1	Ca_kabuli_chr01	38886280	TT	CC	1940142237
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SNP_P1_16702_38887211	NC_021160.1	Ca_kabuli_chr01	38887211	TT	CC	1940142240
SNP_P1_16703_38890955	NC_021160.1	Ca_kabuli_chr01	38890955	AA	TT	1940142241
SNP_P1_16704_38891434	NC_021160.1	Ca_kabuli_chr01	38891434	GG	AA	1940142242
SNP_P1_16705_38893474	NC_021160.1	Ca_kabuli_chr01	38893474	CC	TT	1940142243
SNP_P1_16706_38894781	NC_021160.1	Ca_kabuli_chr01	38894781	GG	TT	1940142244
SNP_P1_16708_38897018	NC_021160.1	Ca_kabuli_chr01	38897018	AA	TT	1940142245
SNP_P1_16709_38899087	NC_021160.1	Ca_kabuli_chr01	38899087	TT	GG	1940142246
SNP_P1_16712_38914604	NC_021160.1	Ca_kabuli_chr01	38914604	GG	AA	1940142247
SNP_P1_16713_38914834	NC_021160.1	Ca_kabuli_chr01	38914834	GG	TT	1940142248
SNP_P1_16714_38914841	NC_021160.1	Ca_kabuli_chr01	38914841	TT	AA	1940142249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16716_38915599	NC_021160.1	Ca_kabuli_chr01	38915599	TT	GG	1940142251
SNP_P1_16717_38916298	NC_021160.1	Ca_kabuli_chr01	38916298	TT	CC	1940142252
SNP_P1_16718_38918108	NC_021160.1	Ca_kabuli_chr01	38918108	GG	AA	1940142253
SNP_P1_16719_38918271	NC_021160.1	Ca_kabuli_chr01	38918271	AA	CC	1940142254
SNP_P1_16721_38921725	NC_021160.1	Ca_kabuli_chr01	38921725	GG	TT	1940142255
SNP_P1_16722_38921778	NC_021160.1	Ca_kabuli_chr01	38921778	CC	TT	1940142256
SNP_P1_16724_38923467	NC_021160.1	Ca_kabuli_chr01	38923467	CC	TT	1940142257
SNP_P1_16725_38924051	NC_021160.1	Ca_kabuli_chr01	38924051	CC	TT	1940142258
SNP_P1_16726_38924074	NC_021160.1	Ca_kabuli_chr01	38924074	CC	AA	1940142259
SNP_P1_16727_38924745	NC_021160.1	Ca_kabuli_chr01	38924745	CC	TT	1940142260
SNP_P1_16728_38925915	NC_021160.1	Ca_kabuli_chr01	38925915	TT	CC	1940142261
SNP_P1_16731_38931380	NC_021160.1	Ca_kabuli_chr01	38931380	AA	GG	1940142262
SNP_P1_16733_38932026	NC_021160.1	Ca_kabuli_chr01	38932026	TT	AA	1940142263
SNP_P1_16734_38933487	NC_021160.1	Ca_kabuli_chr01	38933487	CC	TT	1940142264
SNP_P1_16736_38934240	NC_021160.1	Ca_kabuli_chr01	38934240	AA	GG	1940142265
SNP_P1_16737_38935087	NC_021160.1	Ca_kabuli_chr01	38935087	GG	AA	1940142266
SNP_P1_16738_38940216	NC_021160.1	Ca_kabuli_chr01	38940216	AA	GG	1940142267
SNP_P1_16739_38942525	NC_021160.1	Ca_kabuli_chr01	38942525	CC	TT	1940142268
SNP_P1_16740_38943517	NC_021160.1	Ca_kabuli_chr01	38943517	AA	GG	1940142269
SNP_P1_16742_38945270	NC_021160.1	Ca_kabuli_chr01	38945270	TT	CC	1940142270
SNP_P1_16743_38945357	NC_021160.1	Ca_kabuli_chr01	38945357	AA	GG	1940142271
SNP_P1_16744_38945652	NC_021160.1	Ca_kabuli_chr01	38945652	GG	CC	1940142272
SNP_P1_16745_38945691	NC_021160.1	Ca_kabuli_chr01	38945691	AA	TT	1940142273
SNP_P1_16746_38948355	NC_021160.1	Ca_kabuli_chr01	38948355	GG	AA	1940142275
SNP_P1_16747_38948592	NC_021160.1	Ca_kabuli_chr01	38948592	AA	GG	1940142276
SNP_P1_16748_38948627	NC_021160.1	Ca_kabuli_chr01	38948627	TT	AA	1940142277
SNP_P1_16749_38948675	NC_021160.1	Ca_kabuli_chr01	38948675	GG	AA	1940142278
SNP_P1_16750_38948680	NC_021160.1	Ca_kabuli_chr01	38948680	AA	GG	1940142279
SNP_P1_16751_38948734	NC_021160.1	Ca_kabuli_chr01	38948734	TT	CC	1940142280
SNP_P1_16752_38948736	NC_021160.1	Ca_kabuli_chr01	38948736	AA	GG	1940142281
SNP_P1_16753_38948742	NC_021160.1	Ca_kabuli_chr01	38948742	AA	GG	1940142282
SNP_P1_16754_38949750	NC_021160.1	Ca_kabuli_chr01	38949750	CC	GG	1940142283
SNP_P1_16755_38949751	NC_021160.1	Ca_kabuli_chr01	38949751	CC	AA	1940142284
SNP_P1_16756_38949921	NC_021160.1	Ca_kabuli_chr01	38949921	TT	GG	1940142285
SNP_P1_16757_38950103	NC_021160.1	Ca_kabuli_chr01	38950103	TT	CC	1940142286
SNP_P1_16758_38950207	NC_021160.1	Ca_kabuli_chr01	38950207	CC	TT	1940142287
SNP_P1_16759_38950286	NC_021160.1	Ca_kabuli_chr01	38950286	TT	CC	1940142288
SNP_P1_16760_38950287	NC_021160.1	Ca_kabuli_chr01	38950287	TT	CC	1940142289
SNP_P1_16761_38950885	NC_021160.1	Ca_kabuli_chr01	38950885	TT	CC	1940142290
SNP_P1_16762_38951088	NC_021160.1	Ca_kabuli_chr01	38951088	TT	GG	1940142291
SNP_P1_16764_38951750	NC_021160.1	Ca_kabuli_chr01	38951750	AA	CC	1940142292

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16766_38952236	NC_021160.1	Ca_kabuli_chr01	38952236	AA	GG	1940142294
SNP_P1_16767_38952311	NC_021160.1	Ca_kabuli_chr01	38952311	CC	GG	1940142295
SNP_P1_16768_38952328	NC_021160.1	Ca_kabuli_chr01	38952328	AA	GG	1940142296
SNP_P1_16769_38952364	NC_021160.1	Ca_kabuli_chr01	38952364	TT	CC	1940142297
SNP_P1_16770_38952721	NC_021160.1	Ca_kabuli_chr01	38952721	TT	CC	1940142298
SNP_P1_16771_38952752	NC_021160.1	Ca_kabuli_chr01	38952752	AA	CC	1940142299
SNP_P1_16773_38952941	NC_021160.1	Ca_kabuli_chr01	38952941	CC	TT	1940142300
SNP_P1_16774_38953276	NC_021160.1	Ca_kabuli_chr01	38953276	GG	AA	1940142301
SNP_P1_16775_38953636	NC_021160.1	Ca_kabuli_chr01	38953636	TT	AA	1940142302
SNP_P1_16777_38955429	NC_021160.1	Ca_kabuli_chr01	38955429	TT	CC	1940142303
SNP_P1_16779_38955560	NC_021160.1	Ca_kabuli_chr01	38955560	TT	CC	1940142304
SNP_P1_16781_38955809	NC_021160.1	Ca_kabuli_chr01	38955809	GG	CC	1940142305
SNP_P1_16782_38955864	NC_021160.1	Ca_kabuli_chr01	38955864	CC	AA	1940142306
SNP_P1_16783_38955875	NC_021160.1	Ca_kabuli_chr01	38955875	CC	AA	1940142307
SNP_P1_16784_38956628	NC_021160.1	Ca_kabuli_chr01	38956628	TT	GG	1940142308
SNP_P1_16785_38956681	NC_021160.1	Ca_kabuli_chr01	38956681	TT	CC	1940142309
SNP_P1_16786_38958264	NC_021160.1	Ca_kabuli_chr01	38958264	GG	TT	1940142310
SNP_P1_16787_38958704	NC_021160.1	Ca_kabuli_chr01	38958704	TT	GG	1940142311
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SNP_P1_16789_38961426	NC_021160.1	Ca_kabuli_chr01	38961426	TT	CC	1940142313
SNP_P1_16790_38961654	NC_021160.1	Ca_kabuli_chr01	38961654	CC	TT	1940142314
SNP_P1_16791_38961856	NC_021160.1	Ca_kabuli_chr01	38961856	TT	CC	1940142315
SNP_P1_16792_38962007	NC_021160.1	Ca_kabuli_chr01	38962007	TT	CC	1940142316
SNP_P1_16793_38962025	NC_021160.1	Ca_kabuli_chr01	38962025	CC	TT	1940142317
SNP_P1_16794_38962983	NC_021160.1	Ca_kabuli_chr01	38962983	TT	CC	1940142318
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SNP_P1_16796_38964680	NC_021160.1	Ca_kabuli_chr01	38964680	AA	CC	1940142320
SNP_P1_16797_38965104	NC_021160.1	Ca_kabuli_chr01	38965104	GG	TT	1940142322
SNP_P1_16798_38965105	NC_021160.1	Ca_kabuli_chr01	38965105	TT	CC	1940142323
SNP_P1_16799_38965120	NC_021160.1	Ca_kabuli_chr01	38965120	TT	CC	1940142324
SNP_P1_16800_38965180	NC_021160.1	Ca_kabuli_chr01	38965180	TT	CC	1940142325
SNP_P1_16801_38969094	NC_021160.1	Ca_kabuli_chr01	38969094	AA	GG	1940142326
SNP_P1_16802_38969282	NC_021160.1	Ca_kabuli_chr01	38969282	TT	CC	1940142327
SNP_P1_16803_38970186	NC_021160.1	Ca_kabuli_chr01	38970186	AA	GG	1940142328
SNP_P1_16804_38970300	NC_021160.1	Ca_kabuli_chr01	38970300	AA	GG	1940142329
SNP_P1_16805_38970703	NC_021160.1	Ca_kabuli_chr01	38970703	GG	CC	1940142330
SNP_P1_16806_38970704	NC_021160.1	Ca_kabuli_chr01	38970704	TT	AA	1940142331
SNP_P1_16807_38970731	NC_021160.1	Ca_kabuli_chr01	38970731	TT	GG	1940142332
SNP_P1_16808_38971253	NC_021160.1	Ca_kabuli_chr01	38971253	GG	CC	1940142333
SNP_P1_16809_38971367	NC_021160.1	Ca_kabuli_chr01	38971367	CC	TT	1940142334
SNP_P1_16810_38971380	NC_021160.1	Ca_kabuli_chr01	38971380	GG	TT	1940142335

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16813_39003282	NC_021160.1	Ca_kabuli_chr01	39003282	CC	TT	1940142338
SNP_P1_16814_39004269	NC_021160.1	Ca_kabuli_chr01	39004269	AA	CC	1940142339
SNP_P1_16815_39004449	NC_021160.1	Ca_kabuli_chr01	39004449	TT	AA	1940142340
SNP_P1_16816_39004596	NC_021160.1	Ca_kabuli_chr01	39004596	TT	CC	1940142341
SNP_P1_16817_39004658	NC_021160.1	Ca_kabuli_chr01	39004658	CC	TT	1940142342
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SNP_P1_16820_39005442	NC_021160.1	Ca_kabuli_chr01	39005442	CC	TT	1940142345
SNP_P1_16821_39007181	NC_021160.1	Ca_kabuli_chr01	39007181	CC	TT	1940142346
SNP_P1_16822_39007190	NC_021160.1	Ca_kabuli_chr01	39007190	GG	CC	1940142347
SNP_P1_16823_39008598	NC_021160.1	Ca_kabuli_chr01	39008598	AA	CC	1940142348
SNP_P1_16824_39009234	NC_021160.1	Ca_kabuli_chr01	39009234	CC	TT	1940142349
SNP_P1_16825_39009242	NC_021160.1	Ca_kabuli_chr01	39009242	GG	AA	1940142350
SNP_P1_16826_39010684	NC_021160.1	Ca_kabuli_chr01	39010684	GG	TT	1940142351
SNP_P1_16827_39010799	NC_021160.1	Ca_kabuli_chr01	39010799	AA	GG	1940142352
SNP_P1_16828_39010888	NC_021160.1	Ca_kabuli_chr01	39010888	TT	AA	1940142353
SNP_P1_16829_39010979	NC_021160.1	Ca_kabuli_chr01	39010979	CC	TT	1940142354
SNP_P1_16830_39011042	NC_021160.1	Ca_kabuli_chr01	39011042	CC	AA	1940142355
SNP_P1_16831_39011196	NC_021160.1	Ca_kabuli_chr01	39011196	TT	GG	1940142356
SNP_P1_16832_39011304	NC_021160.1	Ca_kabuli_chr01	39011304	TT	AA	1940142357
SNP_P1_16833_39012684	NC_021160.1	Ca_kabuli_chr01	39012684	CC	AA	1940142358
SNP_P1_16834_39012892	NC_021160.1	Ca_kabuli_chr01	39012892	AA	TT	1940142360
SNP_P1_16835_39012986	NC_021160.1	Ca_kabuli_chr01	39012986	CC	TT	1940142361
SNP_P1_16836_39013017	NC_021160.1	Ca_kabuli_chr01	39013017	GG	AA	1940142362
SNP_P1_16838_39013536	NC_021160.1	Ca_kabuli_chr01	39013536	TT	GG	1940142363
SNP_P1_16839_39013542	NC_021160.1	Ca_kabuli_chr01	39013542	GG	TT	1940142364
SNP_P1_16840_39013972	NC_021160.1	Ca_kabuli_chr01	39013972	GG	AA	1940142365
SNP_P1_16841_39014438	NC_021160.1	Ca_kabuli_chr01	39014438	AA	TT	1940142366
SNP_P1_16842_39014737	NC_021160.1	Ca_kabuli_chr01	39014737	TT	CC	1940142367
SNP_P1_16843_39015840	NC_021160.1	Ca_kabuli_chr01	39015840	TT	CC	1940142368
SNP_P1_16844_39016755	NC_021160.1	Ca_kabuli_chr01	39016755	AA	GG	1940142369
SNP_P1_16845_39016757	NC_021160.1	Ca_kabuli_chr01	39016757	GG	AA	1940142370
SNP_P1_16846_39018001	NC_021160.1	Ca_kabuli_chr01	39018001	AA	TT	1940142371
SNP_P1_16847_39018745	NC_021160.1	Ca_kabuli_chr01	39018745	AA	GG	1940142372
SNP_P1_16850_39020771	NC_021160.1	Ca_kabuli_chr01	39020771	GG	AA	1940142373
SNP_P1_16851_39020873	NC_021160.1	Ca_kabuli_chr01	39020873	CC	TT	1940142374
SNP_P1_16852_39020876	NC_021160.1	Ca_kabuli_chr01	39020876	TT	AA	1940142375
SNP_P1_16853_39021454	NC_021160.1	Ca_kabuli_chr01	39021454	TT	AA	1940142376
SNP_P1_16854_39021456	NC_021160.1	Ca_kabuli_chr01	39021456	AA	GG	1940142377
SNP_P1_16855_39021807	NC_021160.1	Ca_kabuli_chr01	39021807	TT	AA	1940142378

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16857_39024062	NC_021160.1	Ca_kabuli_chr01	39024062	AA	GG	1940142380
SNP_P1_16858_39024236	NC_021160.1	Ca_kabuli_chr01	39024236	GG	TT	1940142381
SNP_P1_16859_39026102	NC_021160.1	Ca_kabuli_chr01	39026102	CC	GG	1940142382
SNP_P1_16860_39026508	NC_021160.1	Ca_kabuli_chr01	39026508	TT	CC	1940142383
SNP_P1_16861_39026531	NC_021160.1	Ca_kabuli_chr01	39026531	GG	AA	1940142384
SNP_P1_16862_39026959	NC_021160.1	Ca_kabuli_chr01	39026959	GG	AA	1940142385
SNP_P1_16863_39026961	NC_021160.1	Ca_kabuli_chr01	39026961	GG	TT	1940142386
SNP_P1_16864_39026974	NC_021160.1	Ca_kabuli_chr01	39026974	TT	GG	1940142387
SNP_P1_16865_39026994	NC_021160.1	Ca_kabuli_chr01	39026994	GG	TT	1940142388
SNP_P1_16866_39027149	NC_021160.1	Ca_kabuli_chr01	39027149	GG	TT	1940142389
SNP_P1_16868_39027909	NC_021160.1	Ca_kabuli_chr01	39027909	AA	TT	1940142390
SNP_P1_16869_39027940	NC_021160.1	Ca_kabuli_chr01	39027940	AA	GG	1940142391
SNP_P1_16872_39028347	NC_021160.1	Ca_kabuli_chr01	39028347	CC	TT	1940142392
SNP_P1_16873_39028410	NC_021160.1	Ca_kabuli_chr01	39028410	CC	AA	1940142393
SNP_P1_16874_39028905	NC_021160.1	Ca_kabuli_chr01	39028905	GG	AA	1940142394
SNP_P1_16875_39029147	NC_021160.1	Ca_kabuli_chr01	39029147	TT	AA	1940142395
SNP_P1_16876_39031635	NC_021160.1	Ca_kabuli_chr01	39031635	AA	GG	1940142396
SNP_P1_16877_39031897	NC_021160.1	Ca_kabuli_chr01	39031897	GG	AA	1940142397
SNP_P1_16878_39031916	NC_021160.1	Ca_kabuli_chr01	39031916	CC	TT	1940142399
SNP_P1_16879_39032448	NC_021160.1	Ca_kabuli_chr01	39032448	GG	AA	1940142400
SNP_P1_16880_39033260	NC_021160.1	Ca_kabuli_chr01	39033260	AA	TT	1940142401
SNP_P1_16881_39033556	NC_021160.1	Ca_kabuli_chr01	39033556	TT	CC	1940142402
SNP_P1_16882_39033574	NC_021160.1	Ca_kabuli_chr01	39033574	TT	CC	1940142403
SNP_P1_16883_39033601	NC_021160.1	Ca_kabuli_chr01	39033601	AA	GG	1940142404
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SNP_P1_16886_39033785	NC_021160.1	Ca_kabuli_chr01	39033785	CC	TT	1940142407
SNP_P1_16887_39035535	NC_021160.1	Ca_kabuli_chr01	39035535	TT	CC	1940142408
SNP_P1_16888_39037029	NC_021160.1	Ca_kabuli_chr01	39037029	TT	GG	1940142409
SNP_P1_16889_39038166	NC_021160.1	Ca_kabuli_chr01	39038166	AA	CC	1940142410
SNP_P1_16890_39038452	NC_021160.1	Ca_kabuli_chr01	39038452	GG	AA	1940142411
SNP_P1_16892_39039046	NC_021160.1	Ca_kabuli_chr01	39039046	TT	CC	1940142412
SNP_P1_16893_39039771	NC_021160.1	Ca_kabuli_chr01	39039771	TT	GG	1940142413
SNP_P1_16894_39039838	NC_021160.1	Ca_kabuli_chr01	39039838	AA	GG	1940142414
SNP_P1_16895_39039865	NC_021160.1	Ca_kabuli_chr01	39039865	AA	TT	1940142415
SNP_P1_16896_39040994	NC_021160.1	Ca_kabuli_chr01	39040994	GG	TT	1940142416
SNP_P1_16897_39041665	NC_021160.1	Ca_kabuli_chr01	39041665	TT	AA	1940142417
SNP_P1_16899_39043130	NC_021160.1	Ca_kabuli_chr01	39043130	TT	CC	1940142418
SNP_P1_16900_39050832	NC_021160.1	Ca_kabuli_chr01	39050832	CC	AA	1940142419
SNP_P1_16901_39050945	NC_021160.1	Ca_kabuli_chr01	39050945	CC	TT	1940142420
SNP_P1_16902_39051000	NC_021160.1	Ca_kabuli_chr01	39051000	AA	GG	1940142421

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16904_39051202	NC_021160.1	Ca_kabuli_chr01	39051202	TT	CC	1940142423
SNP_P1_16905_39051214	NC_021160.1	Ca_kabuli_chr01	39051214	AA	CC	1940142424
SNP_P1_16906_39051233	NC_021160.1	Ca_kabuli_chr01	39051233	TT	CC	1940142425
SNP_P1_16907_39051236	NC_021160.1	Ca_kabuli_chr01	39051236	AA	GG	1940142426
SNP_P1_16908_39051244	NC_021160.1	Ca_kabuli_chr01	39051244	AA	CC	1940142427
SNP_P1_16909_39051247	NC_021160.1	Ca_kabuli_chr01	39051247	AA	CC	1940142428
SNP_P1_16910_39051277	NC_021160.1	Ca_kabuli_chr01	39051277	AA	GG	1940142429
SNP_P1_16911_39051318	NC_021160.1	Ca_kabuli_chr01	39051318	TT	GG	1940142430
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SNP_P1_16913_39051420	NC_021160.1	Ca_kabuli_chr01	39051420	TT	AA	1940142433
SNP_P1_16914_39051434	NC_021160.1	Ca_kabuli_chr01	39051434	AA	CC	1940142434
SNP_P1_16915_39051438	NC_021160.1	Ca_kabuli_chr01	39051438	GG	AA	1940142435
SNP_P1_16916_39051466	NC_021160.1	Ca_kabuli_chr01	39051466	CC	AA	1940142436
SNP_P1_16917_39051468	NC_021160.1	Ca_kabuli_chr01	39051468	GG	TT	1940142437
SNP_P1_16918_39051498	NC_021160.1	Ca_kabuli_chr01	39051498	TT	CC	1940142438
SNP_P1_16919_39053811	NC_021160.1	Ca_kabuli_chr01	39053811	CC	GG	1940142439
SNP_P1_16920_39056275	NC_021160.1	Ca_kabuli_chr01	39056275	CC	AA	1940142440
SNP_P1_16922_39057976	NC_021160.1	Ca_kabuli_chr01	39057976	CC	TT	1940142441
SNP_P1_16923_39058164	NC_021160.1	Ca_kabuli_chr01	39058164	TT	AA	1940142442
SNP_P1_16926_39061283	NC_021160.1	Ca_kabuli_chr01	39061283	CC	GG	1940142443
SNP_P1_16927_39061444	NC_021160.1	Ca_kabuli_chr01	39061444	AA	CC	1940142444
SNP_P1_16928_39061505	NC_021160.1	Ca_kabuli_chr01	39061505	GG	AA	1940142445
SNP_P1_16930_39061558	NC_021160.1	Ca_kabuli_chr01	39061558	AA	CC	1940142446
SNP_P1_16931_39061815	NC_021160.1	Ca_kabuli_chr01	39061815	GG	AA	1940142447
SNP_P1_16932_39061840	NC_021160.1	Ca_kabuli_chr01	39061840	CC	TT	1940142448
SNP_P1_16934_39062034	NC_021160.1	Ca_kabuli_chr01	39062034	AA	GG	1940142449
SNP_P1_16935_39062187	NC_021160.1	Ca_kabuli_chr01	39062187	CC	TT	1940142450
SNP_P1_16936_39062347	NC_021160.1	Ca_kabuli_chr01	39062347	GG	AA	1940142451
SNP_P1_16937_39062448	NC_021160.1	Ca_kabuli_chr01	39062448	CC	AA	1940142452
SNP_P1_16938_39062461	NC_021160.1	Ca_kabuli_chr01	39062461	AA	GG	1940142453
SNP_P1_16939_39062462	NC_021160.1	Ca_kabuli_chr01	39062462	CC	TT	1940142454
SNP_P1_16941_39065292	NC_021160.1	Ca_kabuli_chr01	39065292	TT	CC	1940142455
SNP_P1_16942_39065294	NC_021160.1	Ca_kabuli_chr01	39065294	AA	TT	1940142456
SNP_P1_16943_39065413	NC_021160.1	Ca_kabuli_chr01	39065413	CC	TT	1940142457
SNP_P1_16944_39065462	NC_021160.1	Ca_kabuli_chr01	39065462	CC	AA	1940142458
SNP_P1_16945_39065675	NC_021160.1	Ca_kabuli_chr01	39065675	TT	CC	1940142459
SNP_P1_16946_39066305	NC_021160.1	Ca_kabuli_chr01	39066305	GG	AA	1940142460
SNP_P1_16947_39066501	NC_021160.1	Ca_kabuli_chr01	39066501	AA	GG	1940142461
SNP_P1_16948_39066503	NC_021160.1	Ca_kabuli_chr01	39066503	TT	GG	1940142462
SNP_P1_16949_39066551	NC_021160.1	Ca_kabuli_chr01	39066551	GG	AA	1940142463
SNP_P1_16950_39066610	NC_021160.1	Ca_kabuli_chr01	39066610	CC	TT	1940142465

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_16952_39071184	NC_021160.1	Ca_kabuli_chr01	39071184	TT	CC	1940142467
SNP_P1_16953_39071941	NC_021160.1	Ca_kabuli_chr01	39071941	GG	AA	1940142468
SNP_P1_16954_39072123	NC_021160.1	Ca_kabuli_chr01	39072123	TT	GG	1940142469
SNP_P1_16955_39072735	NC_021160.1	Ca_kabuli_chr01	39072735	AA	TT	1940142470
SNP_P1_16956_39072875	NC_021160.1	Ca_kabuli_chr01	39072875	AA	TT	1940142471
SNP_P1_16957_39073309	NC_021160.1	Ca_kabuli_chr01	39073309	GG	CC	1940142472
SNP_P1_16959_39073474	NC_021160.1	Ca_kabuli_chr01	39073474	AA	TT	1940142473
SNP_P1_16960_39073511	NC_021160.1	Ca_kabuli_chr01	39073511	CC	AA	1940142474
SNP_P1_16961_39073598	NC_021160.1	Ca_kabuli_chr01	39073598	TT	GG	1940142475
SNP_P1_16962_39073632	NC_021160.1	Ca_kabuli_chr01	39073632	GG	AA	1940142476
SNP_P1_16963_39073793	NC_021160.1	Ca_kabuli_chr01	39073793	TT	CC	1940142477
SNP_P1_16965_39074058	NC_021160.1	Ca_kabuli_chr01	39074058	GG	AA	1940142478
SNP_P1_16967_39074153	NC_021160.1	Ca_kabuli_chr01	39074153	AA	CC	1940142479
SNP_P1_16968_39074154	NC_021160.1	Ca_kabuli_chr01	39074154	GG	AA	1940142480
SNP_P1_16969_39074312	NC_021160.1	Ca_kabuli_chr01	39074312	TT	AA	1940142481
SNP_P1_16970_39074357	NC_021160.1	Ca_kabuli_chr01	39074357	AA	GG	1940142482
SNP_P1_16971_39074358	NC_021160.1	Ca_kabuli_chr01	39074358	AA	TT	1940142483
SNP_P1_16972_39074366	NC_021160.1	Ca_kabuli_chr01	39074366	AA	GG	1940142484
SNP_P1_16973_39074378	NC_021160.1	Ca_kabuli_chr01	39074378	TT	AA	1940142485
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SNP_P1_16975_39074401	NC_021160.1	Ca_kabuli_chr01	39074401	GG	AA	1940142487
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SNP_P1_16979_39074626	NC_021160.1	Ca_kabuli_chr01	39074626	AA	GG	1940142491
SNP_P1_16980_39074793	NC_021160.1	Ca_kabuli_chr01	39074793	TT	CC	1940142492
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SNP_P1_16984_39074881	NC_021160.1	Ca_kabuli_chr01	39074881	AA	TT	1940142497
SNP_P1_16985_39074897	NC_021160.1	Ca_kabuli_chr01	39074897	GG	TT	1940142498
SNP_P1_16986_39074919	NC_021160.1	Ca_kabuli_chr01	39074919	GG	TT	1940142499
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SNP_P1_16988_39074945	NC_021160.1	Ca_kabuli_chr01	39074945	TT	GG	1940142501
SNP_P1_16989_39074950	NC_021160.1	Ca_kabuli_chr01	39074950	AA	GG	1940142502
SNP_P1_16990_39074951	NC_021160.1	Ca_kabuli_chr01	39074951	CC	GG	1940142503
SNP_P1_16991_39075192	NC_021160.1	Ca_kabuli_chr01	39075192	CC	TT	1940142504
SNP_P1_16993_39075294	NC_021160.1	Ca_kabuli_chr01	39075294	GG	TT	1940142505
SNP_P1_16994_39075342	NC_021160.1	Ca_kabuli_chr01	39075342	CC	TT	1940142506
SNP_P1_16997_39076790	NC_021160.1	Ca_kabuli_chr01	39076790	CC	GG	1940142507
SNP_P1_16998_39076821	NC_021160.1	Ca_kabuli_chr01	39076821	AA	CC	1940142508

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17001_39077054	NC_021160.1	Ca_kabuli_chr01	39077054	AA	GG	1940142511
SNP_P1_17004_39077494	NC_021160.1	Ca_kabuli_chr01	39077494	TT	AA	1940142512
SNP_P1_17005_39077987	NC_021160.1	Ca_kabuli_chr01	39077987	CC	TT	1940142513
SNP_P1_17006_39078015	NC_021160.1	Ca_kabuli_chr01	39078015	TT	CC	1940142514
SNP_P1_17007_39078122	NC_021160.1	Ca_kabuli_chr01	39078122	TT	GG	1940142515
SNP_P1_17008_39078269	NC_021160.1	Ca_kabuli_chr01	39078269	TT	AA	1940142516
SNP_P1_17009_39078786	NC_021160.1	Ca_kabuli_chr01	39078786	CC	AA	1940142517
SNP_P1_17010_39079167	NC_021160.1	Ca_kabuli_chr01	39079167	TT	GG	1940142518
SNP_P1_17011_39079716	NC_021160.1	Ca_kabuli_chr01	39079716	AA	GG	1940142519
SNP_P1_17012_39080414	NC_021160.1	Ca_kabuli_chr01	39080414	AA	CC	1940142520
SNP_P1_17013_39080706	NC_021160.1	Ca_kabuli_chr01	39080706	CC	TT	1940142521
SNP_P1_17014_39080741	NC_021160.1	Ca_kabuli_chr01	39080741	CC	TT	1940142522
SNP_P1_17015_39081009	NC_021160.1	Ca_kabuli_chr01	39081009	CC	TT	1940142523
SNP_P1_17016_39082060	NC_021160.1	Ca_kabuli_chr01	39082060	TT	GG	1940142524
SNP_P1_17017_39082090	NC_021160.1	Ca_kabuli_chr01	39082090	CC	TT	1940142525
SNP_P1_17018_39082332	NC_021160.1	Ca_kabuli_chr01	39082332	TT	AA	1940142526
SNP_P1_17020_39083049	NC_021160.1	Ca_kabuli_chr01	39083049	GG	AA	1940142527
SNP_P1_17021_39083207	NC_021160.1	Ca_kabuli_chr01	39083207	GG	TT	1940142528
SNP_P1_17022_39083329	NC_021160.1	Ca_kabuli_chr01	39083329	CC	TT	1940142529
SNP_P1_17023_39083490	NC_021160.1	Ca_kabuli_chr01	39083490	GG	TT	1940142530
SNP_P1_17024_39083804	NC_021160.1	Ca_kabuli_chr01	39083804	CC	TT	1940142531
SNP_P1_17025_39094453	NC_021160.1	Ca_kabuli_chr01	39094453	GG	AA	1940142532
SNP_P1_17026_39094457	NC_021160.1	Ca_kabuli_chr01	39094457	TT	CC	1940142533
SNP_P1_17027_39097401	NC_021160.1	Ca_kabuli_chr01	39097401	CC	TT	1940142534
SNP_P1_17028_39097559	NC_021160.1	Ca_kabuli_chr01	39097559	TT	AA	1940142535
SNP_P1_17029_39097942	NC_021160.1	Ca_kabuli_chr01	39097942	TT	AA	1940142536
SNP_P1_17030_39097943	NC_021160.1	Ca_kabuli_chr01	39097943	GG	AA	1940142537
SNP_P1_17031_39098487	NC_021160.1	Ca_kabuli_chr01	39098487	GG	AA	1940142539
SNP_P1_17032_39099102	NC_021160.1	Ca_kabuli_chr01	39099102	AA	GG	1940142540
SNP_P1_17033_39099276	NC_021160.1	Ca_kabuli_chr01	39099276	CC	TT	1940142541
SNP_P1_17034_39100180	NC_021160.1	Ca_kabuli_chr01	39100180	TT	CC	1940142542
SNP_P1_17035_39100181	NC_021160.1	Ca_kabuli_chr01	39100181	GG	TT	1940142543
SNP_P1_17036_39100380	NC_021160.1	Ca_kabuli_chr01	39100380	AA	GG	1940142544
SNP_P1_17037_39100390	NC_021160.1	Ca_kabuli_chr01	39100390	AA	GG	1940142545
SNP_P1_17038_39100628	NC_021160.1	Ca_kabuli_chr01	39100628	TT	CC	1940142546
SNP_P1_17039_39100680	NC_021160.1	Ca_kabuli_chr01	39100680	AA	CC	1940142547
SNP_P1_17040_39100801	NC_021160.1	Ca_kabuli_chr01	39100801	AA	TT	1940142548
SNP_P1_17041_39100867	NC_021160.1	Ca_kabuli_chr01	39100867	CC	AA	1940142549
SNP_P1_17042_39100935	NC_021160.1	Ca_kabuli_chr01	39100935	GG	TT	1940142550
SNP_P1_17043_39100969	NC_021160.1	Ca_kabuli_chr01	39100969	TT	CC	1940142551

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17045_39101139	NC_021160.1	Ca_kabuli_chr01	39101139	TT	CC	1940142553
SNP_P1_17046_39101157	NC_021160.1	Ca_kabuli_chr01	39101157	TT	CC	1940142554
SNP_P1_17047_39101249	NC_021160.1	Ca_kabuli_chr01	39101249	AA	GG	1940142555
SNP_P1_17048_39101256	NC_021160.1	Ca_kabuli_chr01	39101256	TT	CC	1940142556
SNP_P1_17049_39101309	NC_021160.1	Ca_kabuli_chr01	39101309	AA	GG	1940142557
SNP_P1_17050_39104700	NC_021160.1	Ca_kabuli_chr01	39104700	CC	TT	1940142558
SNP_P1_17051_39105122	NC_021160.1	Ca_kabuli_chr01	39105122	GG	AA	1940142559
SNP_P1_17052_39105127	NC_021160.1	Ca_kabuli_chr01	39105127	TT	AA	1940142560
SNP_P1_17053_39105157	NC_021160.1	Ca_kabuli_chr01	39105157	AA	CC	1940142561
SNP_P1_17054_39105183	NC_021160.1	Ca_kabuli_chr01	39105183	GG	CC	1940142562
SNP_P1_17055_39105217	NC_021160.1	Ca_kabuli_chr01	39105217	TT	CC	1940142563
SNP_P1_17056_39105246	NC_021160.1	Ca_kabuli_chr01	39105246	AA	GG	1940142564
SNP_P1_17057_39105251	NC_021160.1	Ca_kabuli_chr01	39105251	TT	CC	1940142565
SNP_P1_17058_39105268	NC_021160.1	Ca_kabuli_chr01	39105268	CC	TT	1940142566
SNP_P1_17059_39105484	NC_021160.1	Ca_kabuli_chr01	39105484	AA	GG	1940142567
SNP_P1_17060_39107903	NC_021160.1	Ca_kabuli_chr01	39107903	GG	AA	1940142568
SNP_P1_17061_39110775	NC_021160.1	Ca_kabuli_chr01	39110775	AA	GG	1940142569
SNP_P1_17063_39111270	NC_021160.1	Ca_kabuli_chr01	39111270	AA	GG	1940142570
SNP_P1_17064_39113843	NC_021160.1	Ca_kabuli_chr01	39113843	AA	GG	1940142571
SNP_P1_17065_39115704	NC_021160.1	Ca_kabuli_chr01	39115704	CC	TT	1940142572
SNP_P1_17066_39115907	NC_021160.1	Ca_kabuli_chr01	39115907	CC	TT	1940142574
SNP_P1_17067_39117533	NC_021160.1	Ca_kabuli_chr01	39117533	TT	CC	1940142575
SNP_P1_17068_39117567	NC_021160.1	Ca_kabuli_chr01	39117567	CC	AA	1940142576
SNP_P1_17069_39118044	NC_021160.1	Ca_kabuli_chr01	39118044	AA	GG	1940142577
SNP_P1_17070_39118819	NC_021160.1	Ca_kabuli_chr01	39118819	TT	GG	1940142578
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SNP_P1_17072_39119058	NC_021160.1	Ca_kabuli_chr01	39119058	AA	CC	1940142580
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SNP_P1_17074_39133613	NC_021160.1	Ca_kabuli_chr01	39133613	GG	AA	1940142582
SNP_P1_17075_39133659	NC_021160.1	Ca_kabuli_chr01	39133659	CC	AA	1940142583
SNP_P1_17076_39133990	NC_021160.1	Ca_kabuli_chr01	39133990	CC	TT	1940142584
SNP_P1_17077_39133992	NC_021160.1	Ca_kabuli_chr01	39133992	AA	GG	1940142585
SNP_P1_17079_39138457	NC_021160.1	Ca_kabuli_chr01	39138457	AA	GG	1940142586
SNP_P1_17080_39138465	NC_021160.1	Ca_kabuli_chr01	39138465	AA	CC	1940142587
SNP_P1_17081_39138466	NC_021160.1	Ca_kabuli_chr01	39138466	CC	TT	1940142588
SNP_P1_17082_39138557	NC_021160.1	Ca_kabuli_chr01	39138557	GG	AA	1940142589
SNP_P1_17083_39138623	NC_021160.1	Ca_kabuli_chr01	39138623	AA	GG	1940142590
SNP_P1_17084_39138649	NC_021160.1	Ca_kabuli_chr01	39138649	CC	TT	1940142591
SNP_P1_17085_39138650	NC_021160.1	Ca_kabuli_chr01	39138650	AA	CC	1940142592
SNP_P1_17086_39138698	NC_021160.1	Ca_kabuli_chr01	39138698	CC	TT	1940142593
SNP_P1_17087_39138755	NC_021160.1	Ca_kabuli_chr01	39138755	TT	CC	1940142594

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17090_39139080	NC_021160.1	Ca_kabuli_chr01	39139080	AA	TT	1940142597
SNP_P1_17091_39139087	NC_021160.1	Ca_kabuli_chr01	39139087	GG	CC	1940142598
SNP_P1_17092_39139097	NC_021160.1	Ca_kabuli_chr01	39139097	TT	CC	1940142599
SNP_P1_17093_39139110	NC_021160.1	Ca_kabuli_chr01	39139110	AA	TT	1940142600
SNP_P1_17094_39139275	NC_021160.1	Ca_kabuli_chr01	39139275	GG	AA	1940142601
SNP_P1_17095_39139393	NC_021160.1	Ca_kabuli_chr01	39139393	GG	CC	1940142602
SNP_P1_17096_39139437	NC_021160.1	Ca_kabuli_chr01	39139437	CC	TT	1940142603
SNP_P1_17097_39139658	NC_021160.1	Ca_kabuli_chr01	39139658	CC	TT	1940142604
SNP_P1_17098_39140147	NC_021160.1	Ca_kabuli_chr01	39140147	TT	CC	1940142605
SNP_P1_17099_39140263	NC_021160.1	Ca_kabuli_chr01	39140263	CC	TT	1940142606
SNP_P1_17100_39140309	NC_021160.1	Ca_kabuli_chr01	39140309	AA	CC	1940142607
SNP_P1_17101_39140327	NC_021160.1	Ca_kabuli_chr01	39140327	CC	AA	1940142608
SNP_P1_17102_39140328	NC_021160.1	Ca_kabuli_chr01	39140328	AA	TT	1940142609
SNP_P1_17103_39140473	NC_021160.1	Ca_kabuli_chr01	39140473	CC	AA	1940142610
SNP_P1_17104_39140490	NC_021160.1	Ca_kabuli_chr01	39140490	AA	TT	1940142611
SNP_P1_17105_39140520	NC_021160.1	Ca_kabuli_chr01	39140520	TT	CC	1940142612
SNP_P1_17106_39140654	NC_021160.1	Ca_kabuli_chr01	39140654	CC	TT	1940142613
SNP_P1_17107_39140700	NC_021160.1	Ca_kabuli_chr01	39140700	TT	GG	1940142614
SNP_P1_17108_39140737	NC_021160.1	Ca_kabuli_chr01	39140737	CC	TT	1940142615
SNP_P1_17109_39140797	NC_021160.1	Ca_kabuli_chr01	39140797	TT	AA	1940142616
SNP_P1_17110_39140802	NC_021160.1	Ca_kabuli_chr01	39140802	CC	AA	1940142617
SNP_P1_17111_39143270	NC_021160.1	Ca_kabuli_chr01	39143270	AA	GG	1940142618
SNP_P1_17112_39144441	NC_021160.1	Ca_kabuli_chr01	39144441	TT	CC	1940142620
SNP_P1_17113_39144792	NC_021160.1	Ca_kabuli_chr01	39144792	TT	GG	1940142621
SNP_P1_17115_39145701	NC_021160.1	Ca_kabuli_chr01	39145701	TT	AA	1940142622
SNP_P1_17116_39146003	NC_021160.1	Ca_kabuli_chr01	39146003	AA	GG	1940142623
SNP_P1_17117_39146189	NC_021160.1	Ca_kabuli_chr01	39146189	AA	GG	1940142624
SNP_P1_17120_39146497	NC_021160.1	Ca_kabuli_chr01	39146497	AA	GG	1940142625
SNP_P1_17122_39149669	NC_021160.1	Ca_kabuli_chr01	39149669	AA	GG	1940142626
SNP_P1_17123_39149899	NC_021160.1	Ca_kabuli_chr01	39149899	AA	CC	1940142627
SNP_P1_17124_39149905	NC_021160.1	Ca_kabuli_chr01	39149905	AA	TT	1940142628
SNP_P1_17125_39149919	NC_021160.1	Ca_kabuli_chr01	39149919	AA	CC	1940142629
SNP_P1_17126_39149980	NC_021160.1	Ca_kabuli_chr01	39149980	TT	CC	1940142630
SNP_P1_17127_39149999	NC_021160.1	Ca_kabuli_chr01	39149999	AA	CC	1940142631
SNP_P1_17128_39150007	NC_021160.1	Ca_kabuli_chr01	39150007	TT	GG	1940142632
SNP_P1_17129_39150039	NC_021160.1	Ca_kabuli_chr01	39150039	TT	CC	1940142633
SNP_P1_17130_39162091	NC_021160.1	Ca_kabuli_chr01	39162091	CC	TT	1940142634
SNP_P1_17131_39162437	NC_021160.1	Ca_kabuli_chr01	39162437	AA	GG	1940142635
SNP_P1_17132_39166535	NC_021160.1	Ca_kabuli_chr01	39166535	GG	AA	1940142636
SNP_P1_17133_39166570	NC_021160.1	Ca_kabuli_chr01	39166570	AA	TT	1940142637

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17135_39166603	NC_021160.1	Ca_kabuli_chr01	39166603	CC	AA	1940142639
SNP_P1_17136_39166634	NC_021160.1	Ca_kabuli_chr01	39166634	CC	GG	1940142640
SNP_P1_17137_39166823	NC_021160.1	Ca_kabuli_chr01	39166823	CC	TT	1940142641
SNP_P1_17138_39166827	NC_021160.1	Ca_kabuli_chr01	39166827	CC	TT	1940142642
SNP_P1_17140_39166929	NC_021160.1	Ca_kabuli_chr01	39166929	CC	TT	1940142643
SNP_P1_17141_39166940	NC_021160.1	Ca_kabuli_chr01	39166940	TT	CC	1940142644
SNP_P1_17142_39166942	NC_021160.1	Ca_kabuli_chr01	39166942	CC	TT	1940142645
SNP_P1_17143_39166944	NC_021160.1	Ca_kabuli_chr01	39166944	CC	TT	1940142646
SNP_P1_17144_39166949	NC_021160.1	Ca_kabuli_chr01	39166949	CC	GG	1940142647
SNP_P1_17145_39166953	NC_021160.1	Ca_kabuli_chr01	39166953	AA	GG	1940142648
SNP_P1_17146_39166960	NC_021160.1	Ca_kabuli_chr01	39166960	TT	CC	1940142649
SNP_P1_17147_39166980	NC_021160.1	Ca_kabuli_chr01	39166980	AA	GG	1940142650
SNP_P1_17149_39180407	NC_021160.1	Ca_kabuli_chr01	39180407	AA	GG	1940142651
SNP_P1_17150_39217580	NC_021160.1	Ca_kabuli_chr01	39217580	TT	AA	1940142652
SNP_P1_17151_39217593	NC_021160.1	Ca_kabuli_chr01	39217593	GG	AA	1940142653
SNP_P1_17152_39226230	NC_021160.1	Ca_kabuli_chr01	39226230	GG	TT	1940142654
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SNP_P1_17155_39231443	NC_021160.1	Ca_kabuli_chr01	39231443	TT	GG	1940142657
SNP_P1_17156_39239501	NC_021160.1	Ca_kabuli_chr01	39239501	AA	GG	1940142659
SNP_P1_17157_39239597	NC_021160.1	Ca_kabuli_chr01	39239597	AA	TT	1940142660
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SNP_P1_17159_39239945	NC_021160.1	Ca_kabuli_chr01	39239945	GG	AA	1940142662
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SNP_P1_17165_39250791	NC_021160.1	Ca_kabuli_chr01	39250791	AA	CC	1940142668
SNP_P1_17166_39251073	NC_021160.1	Ca_kabuli_chr01	39251073	CC	TT	1940142669
SNP_P1_17168_39252990	NC_021160.1	Ca_kabuli_chr01	39252990	GG	TT	1940142670
SNP_P1_17169_39253456	NC_021160.1	Ca_kabuli_chr01	39253456	GG	CC	1940142671
SNP_P1_17171_39261348	NC_021160.1	Ca_kabuli_chr01	39261348	AA	GG	1940142672
SNP_P1_17172_39261356	NC_021160.1	Ca_kabuli_chr01	39261356	GG	AA	1940142673
SNP_P1_17173_39261423	NC_021160.1	Ca_kabuli_chr01	39261423	TT	AA	1940142674
SNP_P1_17174_39261477	NC_021160.1	Ca_kabuli_chr01	39261477	GG	TT	1940142675
SNP_P1_17175_39261622	NC_021160.1	Ca_kabuli_chr01	39261622	GG	AA	1940142676
SNP_P1_17176_39261781	NC_021160.1	Ca_kabuli_chr01	39261781	GG	AA	1940142677
SNP_P1_17177_39261802	NC_021160.1	Ca_kabuli_chr01	39261802	TT	AA	1940142678
SNP_P1_17178_39261821	NC_021160.1	Ca_kabuli_chr01	39261821	GG	CC	1940142679
SNP_P1_17179_39261875	NC_021160.1	Ca_kabuli_chr01	39261875	GG	AA	1940142680

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17181_39261933	NC_021160.1	Ca_kabuli_chr01	39261933	CC	GG	1940142682
SNP_P1_17182_39261967	NC_021160.1	Ca_kabuli_chr01	39261967	GG	AA	1940142683
SNP_P1_17184_39262032	NC_021160.1	Ca_kabuli_chr01	39262032	AA	GG	1940142684
SNP_P1_17185_39262095	NC_021160.1	Ca_kabuli_chr01	39262095	CC	GG	1940142685
SNP_P1_17186_39262114	NC_021160.1	Ca_kabuli_chr01	39262114	AA	TT	1940142686
SNP_P1_17187_39262138	NC_021160.1	Ca_kabuli_chr01	39262138	AA	TT	1940142687
SNP_P1_17188_39262440	NC_021160.1	Ca_kabuli_chr01	39262440	GG	AA	1940142688
SNP_P1_17189_39262576	NC_021160.1	Ca_kabuli_chr01	39262576	GG	AA	1940142689
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SNP_P1_17191_39262616	NC_021160.1	Ca_kabuli_chr01	39262616	AA	TT	1940142691
SNP_P1_17192_39262776	NC_021160.1	Ca_kabuli_chr01	39262776	CC	AA	1940142692
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SNP_P1_17194_39264744	NC_021160.1	Ca_kabuli_chr01	39264744	GG	CC	1940142694
SNP_P1_17195_39264780	NC_021160.1	Ca_kabuli_chr01	39264780	CC	GG	1940142695
SNP_P1_17196_39264950	NC_021160.1	Ca_kabuli_chr01	39264950	TT	CC	1940142696
SNP_P1_17197_39265224	NC_021160.1	Ca_kabuli_chr01	39265224	CC	GG	1940142697
SNP_P1_17198_39265303	NC_021160.1	Ca_kabuli_chr01	39265303	CC	TT	1940142698
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SNP_P1_17202_39270804	NC_021160.1	Ca_kabuli_chr01	39270804	AA	CC	1940142702
SNP_P1_17203_39272458	NC_021160.1	Ca_kabuli_chr01	39272458	GG	AA	1940142703
SNP_P1_17204_39273011	NC_021160.1	Ca_kabuli_chr01	39273011	AA	GG	1940142704
SNP_P1_17205_39276967	NC_021160.1	Ca_kabuli_chr01	39276967	GG	TT	1940142705
SNP_P1_17206_39279543	NC_021160.1	Ca_kabuli_chr01	39279543	GG	TT	1940142706
SNP_P1_17207_39281418	NC_021160.1	Ca_kabuli_chr01	39281418	CC	TT	1940142707
SNP_P1_17208_39282461	NC_021160.1	Ca_kabuli_chr01	39282461	AA	GG	1940142708
SNP_P1_17209_39282779	NC_021160.1	Ca_kabuli_chr01	39282779	GG	AA	1940142709
SNP_P1_17210_39287446	NC_021160.1	Ca_kabuli_chr01	39287446	TT	AA	1940142710
SNP_P1_17211_39288646	NC_021160.1	Ca_kabuli_chr01	39288646	TT	CC	1940142711
SNP_P1_17212_39289408	NC_021160.1	Ca_kabuli_chr01	39289408	CC	TT	1940142712
SNP_P1_17213_39290693	NC_021160.1	Ca_kabuli_chr01	39290693	AA	GG	1940142713
SNP_P1_17214_39294439	NC_021160.1	Ca_kabuli_chr01	39294439	TT	GG	1940142714
SNP_P1_17215_39301093	NC_021160.1	Ca_kabuli_chr01	39301093	CC	TT	1940142715
SNP_P1_17217_39303316	NC_021160.1	Ca_kabuli_chr01	39303316	CC	AA	1940142716
SNP_P1_17218_39303319	NC_021160.1	Ca_kabuli_chr01	39303319	TT	CC	1940142717
SNP_P1_17219_39303322	NC_021160.1	Ca_kabuli_chr01	39303322	GG	TT	1940142718
SNP_P1_17220_39303330	NC_021160.1	Ca_kabuli_chr01	39303330	TT	GG	1940142719
SNP_P1_17221_39307370	NC_021160.1	Ca_kabuli_chr01	39307370	AA	TT	1940142720
SNP_P1_17222_39309617	NC_021160.1	Ca_kabuli_chr01	39309617	AA	GG	1940142721
SNP_P1_17223_39310919	NC_021160.1	Ca_kabuli_chr01	39310919	AA	GG	1940142722
SNP_P1_17224_39316305	NC_021160.1	Ca_kabuli_chr01	39316305	CC	AA	1940142723

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_17225_39317510	NC_021160.1	Ca_kabuli_chr01	39317510	TT	AA	1940142724
SNP_P1_17226_39317824	NC_021160.1	Ca_kabuli_chr01	39317824	AA	TT	1940142725
SNP_P1_17227_39318123	NC_021160.1	Ca_kabuli_chr01	39318123	AA	GG	1940142726
SNP_P1_17228_39318162	NC_021160.1	Ca_kabuli_chr01	39318162	CC	TT	1940142727
SNP_P1_17229_39318178	NC_021160.1	Ca_kabuli_chr01	39318178	GG	CC	1940142728
SNP_P1_17230_39318214	NC_021160.1	Ca_kabuli_chr01	39318214	TT	CC	1940142729
SNP_P1_17231_39318216	NC_021160.1	Ca_kabuli_chr01	39318216	AA	CC	1940142730
SNP_P1_17232_39318934	NC_021160.1	Ca_kabuli_chr01	39318934	CC	TT	1940142731
SNP_P1_17233_39318936	NC_021160.1	Ca_kabuli_chr01	39318936	AA	TT	1940142732
SNP_P1_17234_39319951	NC_021160.1	Ca_kabuli_chr01	39319951	TT	CC	1940142733
SNP_P1_17235_39320333	NC_021160.1	Ca_kabuli_chr01	39320333	CC	TT	1940142735
SNP_P1_17236_39320412	NC_021160.1	Ca_kabuli_chr01	39320412	TT	CC	1940142736
SNP_P1_17237_39321934	NC_021160.1	Ca_kabuli_chr01	39321934	TT	CC	1940142737
SNP_P1_17238_39331393	NC_021160.1	Ca_kabuli_chr01	39331393	AA	GG	1940142738
SNP_P1_17239_39331752	NC_021160.1	Ca_kabuli_chr01	39331752	AA	GG	1940142739
SNP_P1_17240_39332457	NC_021160.1	Ca_kabuli_chr01	39332457	TT	CC	1940142740
SNP_P1_17241_39334436	NC_021160.1	Ca_kabuli_chr01	39334436	GG	TT	1940142741
SNP_P1_17242_39334473	NC_021160.1	Ca_kabuli_chr01	39334473	GG	AA	1940142742
SNP_P1_17243_39334493	NC_021160.1	Ca_kabuli_chr01	39334493	GG	AA	1940142743
SNP_P1_17244_39334497	NC_021160.1	Ca_kabuli_chr01	39334497	GG	AA	1940142744
SNP_P1_17245_39334509	NC_021160.1	Ca_kabuli_chr01	39334509	GG	AA	1940142745
SNP_P1_17246_39334519	NC_021160.1	Ca_kabuli_chr01	39334519	AA	TT	1940142746
SNP_P1_17247_39334579	NC_021160.1	Ca_kabuli_chr01	39334579	TT	CC	1940142747
SNP_P1_17249_39334810	NC_021160.1	Ca_kabuli_chr01	39334810	AA	GG	1940142748
SNP_P1_17250_39334823	NC_021160.1	Ca_kabuli_chr01	39334823	AA	CC	1940142749
SNP_P1_17251_39334831	NC_021160.1	Ca_kabuli_chr01	39334831	AA	CC	1940142750
SNP_P1_17252_39334835	NC_021160.1	Ca_kabuli_chr01	39334835	AA	TT	1940142751
SNP_P1_17253_39334869	NC_021160.1	Ca_kabuli_chr01	39334869	CC	TT	1940142752
SNP_P1_17254_39334906	NC_021160.1	Ca_kabuli_chr01	39334906	GG	TT	1940142753
SNP_P1_17255_39334907	NC_021160.1	Ca_kabuli_chr01	39334907	GG	CC	1940142754
SNP_P1_17256_39335255	NC_021160.1	Ca_kabuli_chr01	39335255	GG	TT	1940142755
SNP_P1_17257_39342492	NC_021160.1	Ca_kabuli_chr01	39342492	AA	GG	1940142756
SNP_P1_17258_39342809	NC_021160.1	Ca_kabuli_chr01	39342809	AA	TT	1940142757
SNP_P1_17259_39346879	NC_021160.1	Ca_kabuli_chr01	39346879	CC	TT	1940142758
SNP_P1_17260_39348910	NC_021160.1	Ca_kabuli_chr01	39348910	AA	TT	1940142759
SNP_P1_17261_39350502	NC_021160.1	Ca_kabuli_chr01	39350502	AA	GG	1940142760
SNP_P1_17262_39350526	NC_021160.1	Ca_kabuli_chr01	39350526	AA	CC	1940142761
SNP_P1_17263_39351320	NC_021160.1	Ca_kabuli_chr01	39351320	AA	CC	1940142762
SNP_P1_17264_39366286	NC_021160.1	Ca_kabuli_chr01	39366286	GG	AA	1940142763
SNP_P1_17265_39366340	NC_021160.1	Ca_kabuli_chr01	39366340	GG	TT	1940142764
SNP_P1_17266_39366344	NC_021160.1	Ca_kabuli_chr01	39366344	AA	CC	1940142765
SNP_P1_17267_39366473	NC_021160.1	Ca_kabuli_chr01	39366473	TT	AA	1940142766

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_17268_39366712	NC_021160.1	Ca_kabuli_chr01	39366712	TT	CC	1940142767
SNP_P1_17269_39383745	NC_021160.1	Ca_kabuli_chr01	39383745	GG	TT	1940142768
SNP_P1_17271_39386152	NC_021160.1	Ca_kabuli_chr01	39386152	TT	CC	1940142769
SNP_P1_17272_39386173	NC_021160.1	Ca_kabuli_chr01	39386173	CC	TT	1940142770
SNP_P1_17273_39386178	NC_021160.1	Ca_kabuli_chr01	39386178	TT	CC	1940142771
SNP_P1_17274_39386189	NC_021160.1	Ca_kabuli_chr01	39386189	AA	TT	1940142772
SNP_P1_17275_39386197	NC_021160.1	Ca_kabuli_chr01	39386197	GG	AA	1940142773
SNP_P1_17276_39386460	NC_021160.1	Ca_kabuli_chr01	39386460	GG	CC	1940142774
SNP_P1_17278_39387256	NC_021160.1	Ca_kabuli_chr01	39387256	AA	TT	1940142775
SNP_P1_17279_39387522	NC_021160.1	Ca_kabuli_chr01	39387522	TT	AA	1940142776
SNP_P1_17280_39387754	NC_021160.1	Ca_kabuli_chr01	39387754	CC	TT	1940142777
SNP_P1_17281_39387757	NC_021160.1	Ca_kabuli_chr01	39387757	GG	CC	1940142779
SNP_P1_17282_39387794	NC_021160.1	Ca_kabuli_chr01	39387794	CC	TT	1940142780
SNP_P1_17283_39387805	NC_021160.1	Ca_kabuli_chr01	39387805	GG	AA	1940142781
SNP_P1_17284_39387808	NC_021160.1	Ca_kabuli_chr01	39387808	TT	CC	1940142782
SNP_P1_17285_39388102	NC_021160.1	Ca_kabuli_chr01	39388102	AA	GG	1940142783
SNP_P1_17286_39388642	NC_021160.1	Ca_kabuli_chr01	39388642	CC	AA	1940142784
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SNP_P1_17288_39388661	NC_021160.1	Ca_kabuli_chr01	39388661	GG	AA	1940142786
SNP_P1_17289_39388681	NC_021160.1	Ca_kabuli_chr01	39388681	GG	CC	1940142787
SNP_P1_17290_39388872	NC_021160.1	Ca_kabuli_chr01	39388872	TT	CC	1940142788
SNP_P1_17291_39388888	NC_021160.1	Ca_kabuli_chr01	39388888	AA	GG	1940142789
SNP_P1_17292_39388896	NC_021160.1	Ca_kabuli_chr01	39388896	GG	TT	1940142790
SNP_P1_17293_39388935	NC_021160.1	Ca_kabuli_chr01	39388935	TT	CC	1940142791
SNP_P1_17294_39388946	NC_021160.1	Ca_kabuli_chr01	39388946	AA	CC	1940142792
SNP_P1_17295_39389172	NC_021160.1	Ca_kabuli_chr01	39389172	AA	GG	1940142793
SNP_P1_17296_39389173	NC_021160.1	Ca_kabuli_chr01	39389173	GG	AA	1940142794
SNP_P1_17297_39389198	NC_021160.1	Ca_kabuli_chr01	39389198	CC	TT	1940142795
SNP_P1_17298_39389477	NC_021160.1	Ca_kabuli_chr01	39389477	GG	AA	1940142796
SNP_P1_17299_39389924	NC_021160.1	Ca_kabuli_chr01	39389924	TT	CC	1940142797
SNP_P1_17300_39389940	NC_021160.1	Ca_kabuli_chr01	39389940	GG	AA	1940142798
SNP_P1_17301_39390020	NC_021160.1	Ca_kabuli_chr01	39390020	AA	GG	1940142799
SNP_P1_17302_39390038	NC_021160.1	Ca_kabuli_chr01	39390038	GG	AA	1940142800
SNP_P1_17303_39390041	NC_021160.1	Ca_kabuli_chr01	39390041	AA	TT	1940142801
SNP_P1_17304_39390087	NC_021160.1	Ca_kabuli_chr01	39390087	AA	TT	1940142802
SNP_P1_17305_39390094	NC_021160.1	Ca_kabuli_chr01	39390094	TT	GG	1940142803
SNP_P1_17306_39390266	NC_021160.1	Ca_kabuli_chr01	39390266	CC	AA	1940142804
SNP_P1_17307_39390273	NC_021160.1	Ca_kabuli_chr01	39390273	CC	TT	1940142805
SNP_P1_17308_39390407	NC_021160.1	Ca_kabuli_chr01	39390407	CC	TT	1940142806
SNP_P1_17309_39390648	NC_021160.1	Ca_kabuli_chr01	39390648	AA	GG	1940142807
SNP_P1_17310_39390649	NC_021160.1	Ca_kabuli_chr01	39390649	AA	GG	1940142808
SNP_P1_17311_39390652	NC_021160.1	Ca_kabuli_chr01	39390652	TT	AA	1940142809

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_17312_39390653	NC_021160.1	Ca_kabuli_chr01	39390653	TT	AA	1940142810
SNP_P1_17313_39390693	NC_021160.1	Ca_kabuli_chr01	39390693	GG	AA	1940142811
SNP_P1_17314_39390705	NC_021160.1	Ca_kabuli_chr01	39390705	CC	TT	1940142812
SNP_P1_17315_39390740	NC_021160.1	Ca_kabuli_chr01	39390740	AA	TT	1940142813
SNP_P1_17316_39390884	NC_021160.1	Ca_kabuli_chr01	39390884	AA	GG	1940142814
SNP_P1_17317_39390899	NC_021160.1	Ca_kabuli_chr01	39390899	TT	CC	1940142815
SNP_P1_17318_39390920	NC_021160.1	Ca_kabuli_chr01	39390920	AA	TT	1940142816
SNP_P1_17320_39391019	NC_021160.1	Ca_kabuli_chr01	39391019	CC	AA	1940142817
SNP_P1_17321_39391199	NC_021160.1	Ca_kabuli_chr01	39391199	TT	CC	1940142818
SNP_P1_17322_39391237	NC_021160.1	Ca_kabuli_chr01	39391237	GG	CC	1940142819
SNP_P1_17324_39391956	NC_021160.1	Ca_kabuli_chr01	39391956	AA	GG	1940142821
SNP_P1_17325_39391982	NC_021160.1	Ca_kabuli_chr01	39391982	CC	TT	1940142822
SNP_P1_17327_39392332	NC_021160.1	Ca_kabuli_chr01	39392332	TT	AA	1940142823
SNP_P1_17328_39393870	NC_021160.1	Ca_kabuli_chr01	39393870	AA	TT	1940142824
SNP_P1_17329_39395011	NC_021160.1	Ca_kabuli_chr01	39395011	CC	TT	1940142825
SNP_P1_17330_39396327	NC_021160.1	Ca_kabuli_chr01	39396327	AA	GG	1940142826
SNP_P1_17331_39396974	NC_021160.1	Ca_kabuli_chr01	39396974	TT	GG	1940142827
SNP_P1_17332_39397045	NC_021160.1	Ca_kabuli_chr01	39397045	AA	GG	1940142828
SNP_P1_17333_39397379	NC_021160.1	Ca_kabuli_chr01	39397379	TT	GG	1940142829
SNP_P1_17334_39397538	NC_021160.1	Ca_kabuli_chr01	39397538	CC	TT	1940142830
SNP_P1_17335_39397960	NC_021160.1	Ca_kabuli_chr01	39397960	TT	CC	1940142831
SNP_P1_17336_39398549	NC_021160.1	Ca_kabuli_chr01	39398549	TT	CC	1940142832
SNP_P1_17337_39398703	NC_021160.1	Ca_kabuli_chr01	39398703	TT	CC	1940142833
SNP_P1_17338_39399054	NC_021160.1	Ca_kabuli_chr01	39399054	AA	CC	1940142834
SNP_P1_17340_39399382	NC_021160.1	Ca_kabuli_chr01	39399382	CC	TT	1940142835
SNP_P1_17341_39402297	NC_021160.1	Ca_kabuli_chr01	39402297	AA	CC	1940142836
SNP_P1_17342_39402772	NC_021160.1	Ca_kabuli_chr01	39402772	AA	CC	1940142837
SNP_P1_17343_39404005	NC_021160.1	Ca_kabuli_chr01	39404005	GG	AA	1940142838
SNP_P1_17344_39405663	NC_021160.1	Ca_kabuli_chr01	39405663	AA	GG	1940142839
SNP_P1_17345_39405696	NC_021160.1	Ca_kabuli_chr01	39405696	GG	AA	1940142840
SNP_P1_17346_39405762	NC_021160.1	Ca_kabuli_chr01	39405762	GG	CC	1940142841
SNP_P1_17348_39406682	NC_021160.1	Ca_kabuli_chr01	39406682	CC	TT	1940142842
SNP_P1_17349_39407258	NC_021160.1	Ca_kabuli_chr01	39407258	AA	GG	1940142843
SNP_P1_17350_39407395	NC_021160.1	Ca_kabuli_chr01	39407395	CC	TT	1940142844
SNP_P1_17351_39407700	NC_021160.1	Ca_kabuli_chr01	39407700	TT	GG	1940142845
SNP_P1_17352_39407800	NC_021160.1	Ca_kabuli_chr01	39407800	CC	TT	1940142846
SNP_P1_17353_39407823	NC_021160.1	Ca_kabuli_chr01	39407823	TT	CC	1940142847
SNP_P1_17354_39408793	NC_021160.1	Ca_kabuli_chr01	39408793	GG	CC	1940142848
SNP_P1_17355_39409352	NC_021160.1	Ca_kabuli_chr01	39409352	TT	CC	1940142849
SNP_P1_17356_39412285	NC_021160.1	Ca_kabuli_chr01	39412285	GG	CC	1940142850
SNP_P1_17357_39412361	NC_021160.1	Ca_kabuli_chr01	39412361	TT	GG	1940142851
SNP_P1_17358_39412377	NC_021160.1	Ca_kabuli_chr01	39412377	GG	CC	1940142852

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_17359_39416206	NC_021160.1	Ca_kabuli_chr01	39416206	TT	GG	1940142853
SNP_P1_17360_39416322	NC_021160.1	Ca_kabuli_chr01	39416322	AA	GG	1940142854
SNP_P1_17361_39416818	NC_021160.1	Ca_kabuli_chr01	39416818	AA	GG	1940142855
SNP_P1_17362_39417246	NC_021160.1	Ca_kabuli_chr01	39417246	AA	CC	1940142856
SNP_P1_17363_39418829	NC_021160.1	Ca_kabuli_chr01	39418829	CC	AA	1940142857
SNP_P1_17364_39418866	NC_021160.1	Ca_kabuli_chr01	39418866	TT	CC	1940142858
SNP_P1_17365_39419600	NC_021160.1	Ca_kabuli_chr01	39419600	TT	CC	1940142860
SNP_P1_17366_39419691	NC_021160.1	Ca_kabuli_chr01	39419691	AA	GG	1940142861
SNP_P1_17367_39419947	NC_021160.1	Ca_kabuli_chr01	39419947	CC	TT	1940142862
SNP_P1_17368_39420678	NC_021160.1	Ca_kabuli_chr01	39420678	GG	AA	1940142863
SNP_P1_17369_39420992	NC_021160.1	Ca_kabuli_chr01	39420992	TT	AA	1940142864
SNP_P1_17370_39421031	NC_021160.1	Ca_kabuli_chr01	39421031	TT	GG	1940142865
SNP_P1_17371_39421618	NC_021160.1	Ca_kabuli_chr01	39421618	GG	AA	1940142866
SNP_P1_17372_39422589	NC_021160.1	Ca_kabuli_chr01	39422589	CC	TT	1940142867
SNP_P1_17373_39422797	NC_021160.1	Ca_kabuli_chr01	39422797	AA	TT	1940142868
SNP_P1_17374_39422798	NC_021160.1	Ca_kabuli_chr01	39422798	AA	TT	1940142869
SNP_P1_17376_39423834	NC_021160.1	Ca_kabuli_chr01	39423834	TT	CC	1940142870
SNP_P1_17377_39423852	NC_021160.1	Ca_kabuli_chr01	39423852	GG	AA	1940142871
SNP_P1_17378_39423884	NC_021160.1	Ca_kabuli_chr01	39423884	TT	CC	1940142872
SNP_P1_17379_39423954	NC_021160.1	Ca_kabuli_chr01	39423954	TT	AA	1940142873
SNP_P1_17380_39424014	NC_021160.1	Ca_kabuli_chr01	39424014	TT	CC	1940142874
SNP_P1_17381_39424272	NC_021160.1	Ca_kabuli_chr01	39424272	CC	AA	1940142875
SNP_P1_17382_39424383	NC_021160.1	Ca_kabuli_chr01	39424383	TT	CC	1940142876
SNP_P1_17383_39424389	NC_021160.1	Ca_kabuli_chr01	39424389	GG	AA	1940142877
SNP_P1_17384_39424628	NC_021160.1	Ca_kabuli_chr01	39424628	GG	AA	1940142878
SNP_P1_17385_39425345	NC_021160.1	Ca_kabuli_chr01	39425345	TT	CC	1940142879
SNP_P1_17386_39425356	NC_021160.1	Ca_kabuli_chr01	39425356	CC	TT	1940142880
SNP_P1_17387_39425357	NC_021160.1	Ca_kabuli_chr01	39425357	GG	AA	1940142881
SNP_P1_17388_39425372	NC_021160.1	Ca_kabuli_chr01	39425372	AA	GG	1940142882
SNP_P1_17389_39425381	NC_021160.1	Ca_kabuli_chr01	39425381	TT	CC	1940142883
SNP_P1_17390_39425563	NC_021160.1	Ca_kabuli_chr01	39425563	CC	TT	1940142884
SNP_P1_17391_39427126	NC_021160.1	Ca_kabuli_chr01	39427126	TT	CC	1940142885
SNP_P1_17392_39427131	NC_021160.1	Ca_kabuli_chr01	39427131	GG	AA	1940142886
SNP_P1_17393_39427137	NC_021160.1	Ca_kabuli_chr01	39427137	CC	TT	1940142887
SNP_P1_17394_39427140	NC_021160.1	Ca_kabuli_chr01	39427140	TT	CC	1940142888
SNP_P1_17395_39427232	NC_021160.1	Ca_kabuli_chr01	39427232	AA	TT	1940142889
SNP_P1_17396_39430403	NC_021160.1	Ca_kabuli_chr01	39430403	AA	TT	1940142890
SNP_P1_17397_39430459	NC_021160.1	Ca_kabuli_chr01	39430459	CC	GG	1940142891
SNP_P1_17398_39430499	NC_021160.1	Ca_kabuli_chr01	39430499	TT	GG	1940142892
SNP_P1_17400_39430519	NC_021160.1	Ca_kabuli_chr01	39430519	TT	CC	1940142893
SNP_P1_17401_39430614	NC_021160.1	Ca_kabuli_chr01	39430614	AA	TT	1940142894
SNP_P1_17402_39430704	NC_021160.1	Ca_kabuli_chr01	39430704	GG	TT	1940142895

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17404_39430874	NC_021160.1	Ca_kabuli_chr01	39430874	TT	CC	1940142897
SNP_P1_17405_39430878	NC_021160.1	Ca_kabuli_chr01	39430878	TT	CC	1940142898
SNP_P1_17406_39430892	NC_021160.1	Ca_kabuli_chr01	39430892	GG	AA	1940142899
SNP_P1_17407_39431147	NC_021160.1	Ca_kabuli_chr01	39431147	AA	TT	1940142900
SNP_P1_17408_39431178	NC_021160.1	Ca_kabuli_chr01	39431178	AA	GG	1940142901
SNP_P1_17409_39432022	NC_021160.1	Ca_kabuli_chr01	39432022	TT	CC	1940142903
SNP_P1_17412_39432874	NC_021160.1	Ca_kabuli_chr01	39432874	CC	GG	1940142904
SNP_P1_17413_39432882	NC_021160.1	Ca_kabuli_chr01	39432882	CC	TT	1940142905
SNP_P1_17414_39433009	NC_021160.1	Ca_kabuli_chr01	39433009	AA	CC	1940142906
SNP_P1_17415_39433010	NC_021160.1	Ca_kabuli_chr01	39433010	TT	AA	1940142907
SNP_P1_17416_39433176	NC_021160.1	Ca_kabuli_chr01	39433176	AA	TT	1940142908
SNP_P1_17417_39433329	NC_021160.1	Ca_kabuli_chr01	39433329	GG	AA	1940142909
SNP_P1_17418_39433373	NC_021160.1	Ca_kabuli_chr01	39433373	GG	AA	1940142910
SNP_P1_17420_39433425	NC_021160.1	Ca_kabuli_chr01	39433425	TT	CC	1940142911
SNP_P1_17422_39433979	NC_021160.1	Ca_kabuli_chr01	39433979	TT	CC	1940142912
SNP_P1_17423_39434587	NC_021160.1	Ca_kabuli_chr01	39434587	AA	GG	1940142913
SNP_P1_17424_39434841	NC_021160.1	Ca_kabuli_chr01	39434841	TT	GG	1940142914
SNP_P1_17425_39434849	NC_021160.1	Ca_kabuli_chr01	39434849	TT	GG	1940142915
SNP_P1_17426_39436291	NC_021160.1	Ca_kabuli_chr01	39436291	TT	CC	1940142916
SNP_P1_17427_39436454	NC_021160.1	Ca_kabuli_chr01	39436454	CC	AA	1940142917
SNP_P1_17428_39436490	NC_021160.1	Ca_kabuli_chr01	39436490	CC	AA	1940142918
SNP_P1_17429_39436699	NC_021160.1	Ca_kabuli_chr01	39436699	GG	CC	1940142919
SNP_P1_17431_39437234	NC_021160.1	Ca_kabuli_chr01	39437234	GG	AA	1940142920
SNP_P1_17432_39437288	NC_021160.1	Ca_kabuli_chr01	39437288	TT	AA	1940142921
SNP_P1_17433_39437296	NC_021160.1	Ca_kabuli_chr01	39437296	TT	CC	1940142922
SNP_P1_17434_39437297	NC_021160.1	Ca_kabuli_chr01	39437297	GG	TT	1940142923
SNP_P1_17435_39437645	NC_021160.1	Ca_kabuli_chr01	39437645	GG	TT	1940142924
SNP_P1_17436_39437824	NC_021160.1	Ca_kabuli_chr01	39437824	CC	TT	1940142925
SNP_P1_17437_39437985	NC_021160.1	Ca_kabuli_chr01	39437985	GG	TT	1940142926
SNP_P1_17439_39438196	NC_021160.1	Ca_kabuli_chr01	39438196	GG	AA	1940142927
SNP_P1_17440_39438204	NC_021160.1	Ca_kabuli_chr01	39438204	TT	CC	1940142928
SNP_P1_17441_39438206	NC_021160.1	Ca_kabuli_chr01	39438206	TT	CC	1940142929
SNP_P1_17442_39438212	NC_021160.1	Ca_kabuli_chr01	39438212	CC	GG	1940142930
SNP_P1_17443_39438214	NC_021160.1	Ca_kabuli_chr01	39438214	CC	GG	1940142931
SNP_P1_17444_39438227	NC_021160.1	Ca_kabuli_chr01	39438227	CC	TT	1940142932
SNP_P1_17445_39438365	NC_021160.1	Ca_kabuli_chr01	39438365	GG	CC	1940142933
SNP_P1_17446_39439574	NC_021160.1	Ca_kabuli_chr01	39439574	CC	TT	1940142934
SNP_P1_17447_39441005	NC_021160.1	Ca_kabuli_chr01	39441005	CC	AA	1940142935
SNP_P1_17448_39441007	NC_021160.1	Ca_kabuli_chr01	39441007	TT	AA	1940142936
SNP_P1_17449_39441051	NC_021160.1	Ca_kabuli_chr01	39441051	TT	AA	1940142937
SNP_P1_17450_39441083	NC_021160.1	Ca_kabuli_chr01	39441083	AA	TT	1940142938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17453_39441360	NC_021160.1	Ca_kabuli_chr01	39441360	TT	CC	1940142940
SNP_P1_17454_39442472	NC_021160.1	Ca_kabuli_chr01	39442472	AA	TT	1940142941
SNP_P1_17455_39442555	NC_021160.1	Ca_kabuli_chr01	39442555	AA	CC	1940142942
SNP_P1_17456_39443950	NC_021160.1	Ca_kabuli_chr01	39443950	AA	GG	1940142943
SNP_P1_17457_39444109	NC_021160.1	Ca_kabuli_chr01	39444109	GG	AA	1940142944
SNP_P1_17459_39445185	NC_021160.1	Ca_kabuli_chr01	39445185	CC	TT	1940142945
SNP_P1_17460_39445314	NC_021160.1	Ca_kabuli_chr01	39445314	CC	TT	1940142946
SNP_P1_17461_39445828	NC_021160.1	Ca_kabuli_chr01	39445828	GG	CC	1940142948
SNP_P1_17462_39445839	NC_021160.1	Ca_kabuli_chr01	39445839	TT	GG	1940142949
SNP_P1_17463_39445870	NC_021160.1	Ca_kabuli_chr01	39445870	AA	GG	1940142950
SNP_P1_17464_39445945	NC_021160.1	Ca_kabuli_chr01	39445945	CC	AA	1940142951
SNP_P1_17465_39446673	NC_021160.1	Ca_kabuli_chr01	39446673	TT	CC	1940142952
SNP_P1_17466_39446756	NC_021160.1	Ca_kabuli_chr01	39446756	CC	TT	1940142953
SNP_P1_17467_39446767	NC_021160.1	Ca_kabuli_chr01	39446767	AA	GG	1940142954
SNP_P1_17468_39447040	NC_021160.1	Ca_kabuli_chr01	39447040	CC	TT	1940142955
SNP_P1_17470_39447496	NC_021160.1	Ca_kabuli_chr01	39447496	AA	GG	1940142956
SNP_P1_17471_39448054	NC_021160.1	Ca_kabuli_chr01	39448054	CC	AA	1940142957
SNP_P1_17472_39448069	NC_021160.1	Ca_kabuli_chr01	39448069	GG	AA	1940142958
SNP_P1_17473_39448111	NC_021160.1	Ca_kabuli_chr01	39448111	TT	AA	1940142959
SNP_P1_17474_39448132	NC_021160.1	Ca_kabuli_chr01	39448132	TT	AA	1940142960
SNP_P1_17475_39448364	NC_021160.1	Ca_kabuli_chr01	39448364	TT	CC	1940142961
SNP_P1_17476_39448378	NC_021160.1	Ca_kabuli_chr01	39448378	TT	CC	1940142962
SNP_P1_17477_39448545	NC_021160.1	Ca_kabuli_chr01	39448545	GG	AA	1940142963
SNP_P1_17478_39448570	NC_021160.1	Ca_kabuli_chr01	39448570	AA	GG	1940142964
SNP_P1_17479_39448592	NC_021160.1	Ca_kabuli_chr01	39448592	GG	AA	1940142965
SNP_P1_17480_39448649	NC_021160.1	Ca_kabuli_chr01	39448649	CC	TT	1940142966
SNP_P1_17481_39448724	NC_021160.1	Ca_kabuli_chr01	39448724	AA	CC	1940142967
SNP_P1_17482_39449117	NC_021160.1	Ca_kabuli_chr01	39449117	CC	TT	1940142968
SNP_P1_17483_39449153	NC_021160.1	Ca_kabuli_chr01	39449153	CC	TT	1940142969
SNP_P1_17484_39449165	NC_021160.1	Ca_kabuli_chr01	39449165	TT	CC	1940142970
SNP_P1_17485_39449680	NC_021160.1	Ca_kabuli_chr01	39449680	GG	CC	1940142971
SNP_P1_17486_39450224	NC_021160.1	Ca_kabuli_chr01	39450224	GG	AA	1940142972
SNP_P1_17487_39450259	NC_021160.1	Ca_kabuli_chr01	39450259	TT	CC	1940142973
SNP_P1_17488_39450270	NC_021160.1	Ca_kabuli_chr01	39450270	GG	AA	1940142974
SNP_P1_17489_39450271	NC_021160.1	Ca_kabuli_chr01	39450271	TT	CC	1940142976
SNP_P1_17490_39450369	NC_021160.1	Ca_kabuli_chr01	39450369	AA	GG	1940142977
SNP_P1_17491_39450395	NC_021160.1	Ca_kabuli_chr01	39450395	TT	CC	1940142978
SNP_P1_17492_39450472	NC_021160.1	Ca_kabuli_chr01	39450472	AA	GG	1940142979
SNP_P1_17493_39450508	NC_021160.1	Ca_kabuli_chr01	39450508	GG	AA	1940142980
SNP_P1_17494_39450923	NC_021160.1	Ca_kabuli_chr01	39450923	CC	AA	1940142981
SNP_P1_17495_39451192	NC_021160.1	Ca_kabuli_chr01	39451192	TT	CC	1940142982

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17498_39451818	NC_021160.1	Ca_kabuli_chr01	39451818	CC	GG	1940142984
SNP_P1_17499_39451966	NC_021160.1	Ca_kabuli_chr01	39451966	GG	AA	1940142985
SNP_P1_17500_39455046	NC_021160.1	Ca_kabuli_chr01	39455046	GG	AA	1940142986
SNP_P1_17501_39456213	NC_021160.1	Ca_kabuli_chr01	39456213	CC	TT	1940142987
SNP_P1_17502_39456388	NC_021160.1	Ca_kabuli_chr01	39456388	GG	TT	1940142988
SNP_P1_17503_39456419	NC_021160.1	Ca_kabuli_chr01	39456419	GG	CC	1940142989
SNP_P1_17504_39457061	NC_021160.1	Ca_kabuli_chr01	39457061	GG	AA	1940142990
SNP_P1_17505_39457079	NC_021160.1	Ca_kabuli_chr01	39457079	TT	CC	1940142991
SNP_P1_17506_39457590	NC_021160.1	Ca_kabuli_chr01	39457590	CC	GG	1940142992
SNP_P1_17508_39457663	NC_021160.1	Ca_kabuli_chr01	39457663	AA	GG	1940142993
SNP_P1_17509_39457924	NC_021160.1	Ca_kabuli_chr01	39457924	GG	AA	1940142994
SNP_P1_17510_39457939	NC_021160.1	Ca_kabuli_chr01	39457939	CC	TT	1940142995
SNP_P1_17511_39457981	NC_021160.1	Ca_kabuli_chr01	39457981	GG	AA	1940142996
SNP_P1_17512_39458028	NC_021160.1	Ca_kabuli_chr01	39458028	AA	CC	1940142997
SNP_P1_17513_39458065	NC_021160.1	Ca_kabuli_chr01	39458065	TT	CC	1940142998
SNP_P1_17514_39458077	NC_021160.1	Ca_kabuli_chr01	39458077	TT	CC	1940142999
SNP_P1_17515_39458081	NC_021160.1	Ca_kabuli_chr01	39458081	GG	AA	1940143000
SNP_P1_17516_39459073	NC_021160.1	Ca_kabuli_chr01	39459073	CC	AA	1940143001
SNP_P1_17517_39459098	NC_021160.1	Ca_kabuli_chr01	39459098	CC	TT	1940143002
SNP_P1_17518_39459103	NC_021160.1	Ca_kabuli_chr01	39459103	TT	GG	1940143003
SNP_P1_17519_39459389	NC_021160.1	Ca_kabuli_chr01	39459389	CC	TT	1940143004
SNP_P1_17520_39460864	NC_021160.1	Ca_kabuli_chr01	39460864	AA	GG	1940143005
SNP_P1_17521_39460946	NC_021160.1	Ca_kabuli_chr01	39460946	AA	GG	1940143006
SNP_P1_17522_39461430	NC_021160.1	Ca_kabuli_chr01	39461430	GG	AA	1940143007
SNP_P1_17523_39462070	NC_021160.1	Ca_kabuli_chr01	39462070	CC	AA	1940143008
SNP_P1_17525_39462970	NC_021160.1	Ca_kabuli_chr01	39462970	TT	AA	1940143010
SNP_P1_17529_39464040	NC_021160.1	Ca_kabuli_chr01	39464040	GG	AA	1940143011
SNP_P1_17530_39464048	NC_021160.1	Ca_kabuli_chr01	39464048	AA	CC	1940143012
SNP_P1_17532_39464284	NC_021160.1	Ca_kabuli_chr01	39464284	TT	CC	1940143013
SNP_P1_17533_39464303	NC_021160.1	Ca_kabuli_chr01	39464303	GG	AA	1940143014
SNP_P1_17535_39464629	NC_021160.1	Ca_kabuli_chr01	39464629	TT	AA	1940143015
SNP_P1_17536_39464916	NC_021160.1	Ca_kabuli_chr01	39464916	GG	AA	1940143016
SNP_P1_17538_39465037	NC_021160.1	Ca_kabuli_chr01	39465037	TT	AA	1940143017
SNP_P1_17539_39465078	NC_021160.1	Ca_kabuli_chr01	39465078	AA	GG	1940143018
SNP_P1_17540_39465242	NC_021160.1	Ca_kabuli_chr01	39465242	CC	TT	1940143019
SNP_P1_17542_39466944	NC_021160.1	Ca_kabuli_chr01	39466944	AA	GG	1940143020
SNP_P1_17543_39469507	NC_021160.1	Ca_kabuli_chr01	39469507	AA	CC	1940143021
SNP_P1_17544_39470285	NC_021160.1	Ca_kabuli_chr01	39470285	TT	CC	1940143022
SNP_P1_17545_39471970	NC_021160.1	Ca_kabuli_chr01	39471970	GG	AA	1940143023
SNP_P1_17546_39472825	NC_021160.1	Ca_kabuli_chr01	39472825	AA	CC	1940143024
SNP_P1_17548_39474083	NC_021160.1	Ca_kabuli_chr01	39474083	CC	AA	1940143025

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17550_39482603	NC_021160.1	Ca_kabuli_chr01	39482603	AA	CC	1940143027
SNP_P1_17551_39482660	NC_021160.1	Ca_kabuli_chr01	39482660	AA	TT	1940143028
SNP_P1_17552_39482894	NC_021160.1	Ca_kabuli_chr01	39482894	AA	GG	1940143029
SNP_P1_17553_39484152	NC_021160.1	Ca_kabuli_chr01	39484152	GG	AA	1940143030
SNP_P1_17554_39484612	NC_021160.1	Ca_kabuli_chr01	39484612	CC	AA	1940143031
SNP_P1_17555_39484630	NC_021160.1	Ca_kabuli_chr01	39484630	AA	TT	1940143032
SNP_P1_17556_39484821	NC_021160.1	Ca_kabuli_chr01	39484821	TT	GG	1940143033
SNP_P1_17557_39489281	NC_021160.1	Ca_kabuli_chr01	39489281	TT	AA	1940143034
SNP_P1_17558_39489470	NC_021160.1	Ca_kabuli_chr01	39489470	GG	AA	1940143035
SNP_P1_17559_39489671	NC_021160.1	Ca_kabuli_chr01	39489671	AA	TT	1940143036
SNP_P1_17560_39489687	NC_021160.1	Ca_kabuli_chr01	39489687	GG	AA	1940143037
SNP_P1_17561_39490381	NC_021160.1	Ca_kabuli_chr01	39490381	GG	TT	1940143038
SNP_P1_17563_39490616	NC_021160.1	Ca_kabuli_chr01	39490616	GG	AA	1940143039
SNP_P1_17564_39491139	NC_021160.1	Ca_kabuli_chr01	39491139	GG	TT	1940143040
SNP_P1_17565_39491502	NC_021160.1	Ca_kabuli_chr01	39491502	CC	TT	1940143041
SNP_P1_17566_39491760	NC_021160.1	Ca_kabuli_chr01	39491760	AA	GG	1940143042
SNP_P1_17568_39492996	NC_021160.1	Ca_kabuli_chr01	39492996	CC	TT	1940143043
SNP_P1_17569_39493071	NC_021160.1	Ca_kabuli_chr01	39493071	AA	GG	1940143045
SNP_P1_17570_39493117	NC_021160.1	Ca_kabuli_chr01	39493117	AA	GG	1940143046
SNP_P1_17571_39496503	NC_021160.1	Ca_kabuli_chr01	39496503	CC	TT	1940143047
SNP_P1_17572_39496513	NC_021160.1	Ca_kabuli_chr01	39496513	TT	CC	1940143048
SNP_P1_17573_39496582	NC_021160.1	Ca_kabuli_chr01	39496582	CC	GG	1940143049
SNP_P1_17574_39496618	NC_021160.1	Ca_kabuli_chr01	39496618	CC	TT	1940143050
SNP_P1_17575_39497089	NC_021160.1	Ca_kabuli_chr01	39497089	GG	AA	1940143051
SNP_P1_17576_39497463	NC_021160.1	Ca_kabuli_chr01	39497463	CC	AA	1940143052
SNP_P1_17577_39498292	NC_021160.1	Ca_kabuli_chr01	39498292	GG	TT	1940143053
SNP_P1_17578_39498293	NC_021160.1	Ca_kabuli_chr01	39498293	TT	GG	1940143054
SNP_P1_17579_39498321	NC_021160.1	Ca_kabuli_chr01	39498321	CC	TT	1940143055
SNP_P1_17580_39498325	NC_021160.1	Ca_kabuli_chr01	39498325	TT	CC	1940143056
SNP_P1_17581_39499012	NC_021160.1	Ca_kabuli_chr01	39499012	TT	AA	1940143057
SNP_P1_17582_39499024	NC_021160.1	Ca_kabuli_chr01	39499024	TT	CC	1940143058
SNP_P1_17583_39499074	NC_021160.1	Ca_kabuli_chr01	39499074	CC	TT	1940143059
SNP_P1_17584_39499087	NC_021160.1	Ca_kabuli_chr01	39499087	AA	CC	1940143060
SNP_P1_17585_39499475	NC_021160.1	Ca_kabuli_chr01	39499475	GG	TT	1940143061
SNP_P1_17586_39500282	NC_021160.1	Ca_kabuli_chr01	39500282	TT	CC	1940143062
SNP_P1_17587_39501368	NC_021160.1	Ca_kabuli_chr01	39501368	AA	GG	1940143063
SNP_P1_17588_39501437	NC_021160.1	Ca_kabuli_chr01	39501437	CC	TT	1940143064
SNP_P1_17589_39501569	NC_021160.1	Ca_kabuli_chr01	39501569	GG	CC	1940143065
SNP_P1_17590_39508031	NC_021160.1	Ca_kabuli_chr01	39508031	AA	CC	1940143066
SNP_P1_17591_39508205	NC_021160.1	Ca_kabuli_chr01	39508205	AA	TT	1940143067
SNP_P1_17594_39509213	NC_021160.1	Ca_kabuli_chr01	39509213	AA	GG	1940143068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17597_39509762	NC_021160.1	Ca_kabuli_chr01	39509762	CC	TT	1940143071
SNP_P1_17598_39509791	NC_021160.1	Ca_kabuli_chr01	39509791	AA	GG	1940143072
SNP_P1_17599_39510452	NC_021160.1	Ca_kabuli_chr01	39510452	AA	GG	1940143073
SNP_P1_17600_39510767	NC_021160.1	Ca_kabuli_chr01	39510767	CC	TT	1940143074
SNP_P1_17601_39510782	NC_021160.1	Ca_kabuli_chr01	39510782	GG	CC	1940143075
SNP_P1_17602_39511007	NC_021160.1	Ca_kabuli_chr01	39511007	GG	AA	1940143076
SNP_P1_17603_39514683	NC_021160.1	Ca_kabuli_chr01	39514683	GG	AA	1940143077
SNP_P1_17604_39514784	NC_021160.1	Ca_kabuli_chr01	39514784	TT	AA	1940143078
SNP_P1_17605_39514807	NC_021160.1	Ca_kabuli_chr01	39514807	GG	TT	1940143079
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SNP_P1_17607_39516171	NC_021160.1	Ca_kabuli_chr01	39516171	TT	CC	1940143082
SNP_P1_17608_39516210	NC_021160.1	Ca_kabuli_chr01	39516210	CC	TT	1940143083
SNP_P1_17609_39516211	NC_021160.1	Ca_kabuli_chr01	39516211	GG	AA	1940143084
SNP_P1_17610_39516404	NC_021160.1	Ca_kabuli_chr01	39516404	AA	TT	1940143085
SNP_P1_17611_39516783	NC_021160.1	Ca_kabuli_chr01	39516783	AA	CC	1940143086
SNP_P1_17612_39518284	NC_021160.1	Ca_kabuli_chr01	39518284	AA	GG	1940143087
SNP_P1_17613_39519174	NC_021160.1	Ca_kabuli_chr01	39519174	AA	GG	1940143088
SNP_P1_17614_39519420	NC_021160.1	Ca_kabuli_chr01	39519420	AA	GG	1940143089
SNP_P1_17615_39519428	NC_021160.1	Ca_kabuli_chr01	39519428	TT	CC	1940143090
SNP_P1_17616_39524091	NC_021160.1	Ca_kabuli_chr01	39524091	CC	AA	1940143091
SNP_P1_17617_39524259	NC_021160.1	Ca_kabuli_chr01	39524259	AA	GG	1940143092
SNP_P1_17618_39524407	NC_021160.1	Ca_kabuli_chr01	39524407	CC	TT	1940143093
SNP_P1_17619_39526049	NC_021160.1	Ca_kabuli_chr01	39526049	TT	CC	1940143094
SNP_P1_17620_39526062	NC_021160.1	Ca_kabuli_chr01	39526062	CC	GG	1940143095
SNP_P1_17621_39526427	NC_021160.1	Ca_kabuli_chr01	39526427	GG	AA	1940143096
SNP_P1_17622_39526835	NC_021160.1	Ca_kabuli_chr01	39526835	GG	AA	1940143097
SNP_P1_17623_39527093	NC_021160.1	Ca_kabuli_chr01	39527093	GG	AA	1940143098
SNP_P1_17624_39529164	NC_021160.1	Ca_kabuli_chr01	39529164	CC	GG	1940143099
SNP_P1_17625_39529441	NC_021160.1	Ca_kabuli_chr01	39529441	TT	CC	1940143100
SNP_P1_17626_39540943	NC_021160.1	Ca_kabuli_chr01	39540943	TT	CC	1940143101
SNP_P1_17628_39545421	NC_021160.1	Ca_kabuli_chr01	39545421	AA	TT	1940143102
SNP_P1_17629_39545438	NC_021160.1	Ca_kabuli_chr01	39545438	GG	AA	1940143103
SNP_P1_17630_39546859	NC_021160.1	Ca_kabuli_chr01	39546859	GG	AA	1940143104
SNP_P1_17631_39546934	NC_021160.1	Ca_kabuli_chr01	39546934	TT	AA	1940143105
SNP_P1_17632_39546947	NC_021160.1	Ca_kabuli_chr01	39546947	AA	CC	1940143106
SNP_P1_17633_39547855	NC_021160.1	Ca_kabuli_chr01	39547855	TT	CC	1940143107
SNP_P1_17634_39549820	NC_021160.1	Ca_kabuli_chr01	39549820	CC	AA	1940143108
SNP_P1_17636_39552219	NC_021160.1	Ca_kabuli_chr01	39552219	AA	TT	1940143109
SNP_P1_17637_39552305	NC_021160.1	Ca_kabuli_chr01	39552305	AA	CC	1940143110
SNP_P1_17639_39552408	NC_021160.1	Ca_kabuli_chr01	39552408	TT	CC	1940143111

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17641_39552748	NC_021160.1	Ca_kabuli_chr01	39552748	TT	CC	1940143113
SNP_P1_17642_39552759	NC_021160.1	Ca_kabuli_chr01	39552759	TT	CC	1940143114
SNP_P1_17643_39552812	NC_021160.1	Ca_kabuli_chr01	39552812	TT	CC	1940143116
SNP_P1_17644_39552989	NC_021160.1	Ca_kabuli_chr01	39552989	CC	GG	1940143117
SNP_P1_17645_39556639	NC_021160.1	Ca_kabuli_chr01	39556639	TT	GG	1940143118
SNP_P1_17646_39557055	NC_021160.1	Ca_kabuli_chr01	39557055	GG	AA	1940143119
SNP_P1_17648_39560279	NC_021160.1	Ca_kabuli_chr01	39560279	TT	CC	1940143120
SNP_P1_17649_39560281	NC_021160.1	Ca_kabuli_chr01	39560281	TT	CC	1940143121
SNP_P1_17650_39560315	NC_021160.1	Ca_kabuli_chr01	39560315	AA	TT	1940143122
SNP_P1_17651_39560321	NC_021160.1	Ca_kabuli_chr01	39560321	TT	CC	1940143123
SNP_P1_17652_39560330	NC_021160.1	Ca_kabuli_chr01	39560330	TT	CC	1940143124
SNP_P1_17653_39560347	NC_021160.1	Ca_kabuli_chr01	39560347	GG	AA	1940143125
SNP_P1_17654_39561377	NC_021160.1	Ca_kabuli_chr01	39561377	GG	AA	1940143126
SNP_P1_17655_39561403	NC_021160.1	Ca_kabuli_chr01	39561403	AA	GG	1940143127
SNP_P1_17656_39561529	NC_021160.1	Ca_kabuli_chr01	39561529	AA	GG	1940143128
SNP_P1_17657_39564549	NC_021160.1	Ca_kabuli_chr01	39564549	TT	AA	1940143129
SNP_P1_17658_39566005	NC_021160.1	Ca_kabuli_chr01	39566005	AA	GG	1940143130
SNP_P1_17659_39567244	NC_021160.1	Ca_kabuli_chr01	39567244	GG	TT	1940143131
SNP_P1_17660_39568196	NC_021160.1	Ca_kabuli_chr01	39568196	AA	GG	1940143132
SNP_P1_17661_39568595	NC_021160.1	Ca_kabuli_chr01	39568595	CC	AA	1940143133
SNP_P1_17662_39568677	NC_021160.1	Ca_kabuli_chr01	39568677	GG	AA	1940143134
SNP_P1_17664_39569143	NC_021160.1	Ca_kabuli_chr01	39569143	AA	TT	1940143135
SNP_P1_17665_39569892	NC_021160.1	Ca_kabuli_chr01	39569892	GG	CC	1940143136
SNP_P1_17666_39570111	NC_021160.1	Ca_kabuli_chr01	39570111	AA	CC	1940143137
SNP_P1_17667_39570169	NC_021160.1	Ca_kabuli_chr01	39570169	GG	AA	1940143138
SNP_P1_17668_39571011	NC_021160.1	Ca_kabuli_chr01	39571011	AA	GG	1940143139
SNP_P1_17669_39571156	NC_021160.1	Ca_kabuli_chr01	39571156	CC	GG	1940143140
SNP_P1_17670_39571707	NC_021160.1	Ca_kabuli_chr01	39571707	GG	AA	1940143141
SNP_P1_17671_39572120	NC_021160.1	Ca_kabuli_chr01	39572120	TT	GG	1940143142
SNP_P1_17672_39572132	NC_021160.1	Ca_kabuli_chr01	39572132	AA	GG	1940143143
SNP_P1_17673_39572669	NC_021160.1	Ca_kabuli_chr01	39572669	TT	CC	1940143144
SNP_P1_17674_39573170	NC_021160.1	Ca_kabuli_chr01	39573170	AA	GG	1940143145
SNP_P1_17675_39573504	NC_021160.1	Ca_kabuli_chr01	39573504	AA	GG	1940143146
SNP_P1_17676_39575839	NC_021160.1	Ca_kabuli_chr01	39575839	AA	GG	1940143147
SNP_P1_17677_39576272	NC_021160.1	Ca_kabuli_chr01	39576272	AA	GG	1940143148
SNP_P1_17678_39577850	NC_021160.1	Ca_kabuli_chr01	39577850	GG	AA	1940143149
SNP_P1_17679_39578024	NC_021160.1	Ca_kabuli_chr01	39578024	GG	AA	1940143150
SNP_P1_17680_39578279	NC_021160.1	Ca_kabuli_chr01	39578279	TT	CC	1940143151
SNP_P1_17681_39578291	NC_021160.1	Ca_kabuli_chr01	39578291	AA	GG	1940143152
SNP_P1_17682_39580130	NC_021160.1	Ca_kabuli_chr01	39580130	AA	GG	1940143154
SNP_P1_17683_39580170	NC_021160.1	Ca_kabuli_chr01	39580170	TT	CC	1940143155

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17685_39582519	NC_021160.1	Ca_kabuli_chr01	39582519	AA	CC	1940143157
SNP_P1_17686_39583472	NC_021160.1	Ca_kabuli_chr01	39583472	GG	TT	1940143158
SNP_P1_17687_39583826	NC_021160.1	Ca_kabuli_chr01	39583826	AA	GG	1940143159
SNP_P1_17688_39584001	NC_021160.1	Ca_kabuli_chr01	39584001	GG	TT	1940143160
SNP_P1_17689_39586789	NC_021160.1	Ca_kabuli_chr01	39586789	TT	CC	1940143161
SNP_P1_17690_39587604	NC_021160.1	Ca_kabuli_chr01	39587604	CC	TT	1940143162
SNP_P1_17691_39587624	NC_021160.1	Ca_kabuli_chr01	39587624	TT	CC	1940143163
SNP_P1_17692_39587640	NC_021160.1	Ca_kabuli_chr01	39587640	CC	TT	1940143164
SNP_P1_17693_39588287	NC_021160.1	Ca_kabuli_chr01	39588287	CC	TT	1940143165
SNP_P1_17694_39588550	NC_021160.1	Ca_kabuli_chr01	39588550	CC	TT	1940143166
SNP_P1_17695_39588585	NC_021160.1	Ca_kabuli_chr01	39588585	CC	TT	1940143167
SNP_P1_17696_39588776	NC_021160.1	Ca_kabuli_chr01	39588776	TT	CC	1940143168
SNP_P1_17697_39589466	NC_021160.1	Ca_kabuli_chr01	39589466	AA	CC	1940143169
SNP_P1_17698_39589474	NC_021160.1	Ca_kabuli_chr01	39589474	GG	AA	1940143170
SNP_P1_17699_39590412	NC_021160.1	Ca_kabuli_chr01	39590412	TT	CC	1940143171
SNP_P1_17700_39591008	NC_021160.1	Ca_kabuli_chr01	39591008	CC	TT	1940143172
SNP_P1_17701_39591073	NC_021160.1	Ca_kabuli_chr01	39591073	CC	TT	1940143173
SNP_P1_17702_39591125	NC_021160.1	Ca_kabuli_chr01	39591125	CC	TT	1940143174
SNP_P1_17703_39591221	NC_021160.1	Ca_kabuli_chr01	39591221	CC	TT	1940143175
SNP_P1_17704_39591804	NC_021160.1	Ca_kabuli_chr01	39591804	GG	AA	1940143176
SNP_P1_17705_39591828	NC_021160.1	Ca_kabuli_chr01	39591828	CC	AA	1940143177
SNP_P1_17706_39592478	NC_021160.1	Ca_kabuli_chr01	39592478	AA	GG	1940143178
SNP_P1_17707_39594545	NC_021160.1	Ca_kabuli_chr01	39594545	GG	AA	1940143179
SNP_P1_17709_39594983	NC_021160.1	Ca_kabuli_chr01	39594983	CC	TT	1940143180
SNP_P1_17710_39595746	NC_021160.1	Ca_kabuli_chr01	39595746	AA	GG	1940143181
SNP_P1_17711_39596868	NC_021160.1	Ca_kabuli_chr01	39596868	TT	AA	1940143182
SNP_P1_17712_39596901	NC_021160.1	Ca_kabuli_chr01	39596901	GG	AA	1940143183
SNP_P1_17713_39596927	NC_021160.1	Ca_kabuli_chr01	39596927	TT	GG	1940143184
SNP_P1_17714_39597090	NC_021160.1	Ca_kabuli_chr01	39597090	CC	TT	1940143185
SNP_P1_17715_39597400	NC_021160.1	Ca_kabuli_chr01	39597400	GG	AA	1940143186
SNP_P1_17717_39597938	NC_021160.1	Ca_kabuli_chr01	39597938	TT	AA	1940143187
SNP_P1_17718_39598546	NC_021160.1	Ca_kabuli_chr01	39598546	AA	TT	1940143188
SNP_P1_17719_39598578	NC_021160.1	Ca_kabuli_chr01	39598578	AA	CC	1940143190
SNP_P1_17721_39601051	NC_021160.1	Ca_kabuli_chr01	39601051	GG	CC	1940143191
SNP_P1_17722_39601079	NC_021160.1	Ca_kabuli_chr01	39601079	TT	CC	1940143192
SNP_P1_17724_39605967	NC_021160.1	Ca_kabuli_chr01	39605967	CC	TT	1940143193
SNP_P1_17725_39605970	NC_021160.1	Ca_kabuli_chr01	39605970	AA	CC	1940143194
SNP_P1_17728_39606044	NC_021160.1	Ca_kabuli_chr01	39606044	CC	AA	1940143195
SNP_P1_17729_39608692	NC_021160.1	Ca_kabuli_chr01	39608692	GG	AA	1940143196
SNP_P1_17730_39609095	NC_021160.1	Ca_kabuli_chr01	39609095	GG	TT	1940143197
SNP_P1_17732_39609197	NC_021160.1	Ca_kabuli_chr01	39609197	TT	AA	1940143198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17735_39612230	NC_021160.1	Ca_kabuli_chr01	39612230	CC	GG	1940143200
SNP_P1_17736_39612684	NC_021160.1	Ca_kabuli_chr01	39612684	AA	CC	1940143201
SNP_P1_17738_39615527	NC_021160.1	Ca_kabuli_chr01	39615527	GG	TT	1940143202
SNP_P1_17739_39616339	NC_021160.1	Ca_kabuli_chr01	39616339	TT	CC	1940143203
SNP_P1_17740_39616827	NC_021160.1	Ca_kabuli_chr01	39616827	TT	CC	1940143204
SNP_P1_17741_39617109	NC_021160.1	Ca_kabuli_chr01	39617109	TT	CC	1940143205
SNP_P1_17742_39617656	NC_021160.1	Ca_kabuli_chr01	39617656	CC	TT	1940143206
SNP_P1_17743_39619156	NC_021160.1	Ca_kabuli_chr01	39619156	AA	TT	1940143207
SNP_P1_17744_39619755	NC_021160.1	Ca_kabuli_chr01	39619755	CC	TT	1940143208
SNP_P1_17746_39621253	NC_021160.1	Ca_kabuli_chr01	39621253	GG	AA	1940143209
SNP_P1_17747_39622606	NC_021160.1	Ca_kabuli_chr01	39622606	AA	GG	1940143210
SNP_P1_17748_39622714	NC_021160.1	Ca_kabuli_chr01	39622714	GG	AA	1940143211
SNP_P1_17749_39622754	NC_021160.1	Ca_kabuli_chr01	39622754	GG	CC	1940143212
SNP_P1_17750_39622959	NC_021160.1	Ca_kabuli_chr01	39622959	GG	TT	1940143213
SNP_P1_17751_39622999	NC_021160.1	Ca_kabuli_chr01	39622999	TT	AA	1940143214
SNP_P1_17752_39623093	NC_021160.1	Ca_kabuli_chr01	39623093	AA	CC	1940143215
SNP_P1_17753_39639027	NC_021160.1	Ca_kabuli_chr01	39639027	CC	AA	1940143216
SNP_P1_17754_39639181	NC_021160.1	Ca_kabuli_chr01	39639181	CC	TT	1940143217
SNP_P1_17755_39640159	NC_021160.1	Ca_kabuli_chr01	39640159	GG	TT	1940143218
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SNP_P1_17757_39641956	NC_021160.1	Ca_kabuli_chr01	39641956	AA	GG	1940143220
SNP_P1_17758_39641980	NC_021160.1	Ca_kabuli_chr01	39641980	CC	TT	1940143221
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SNP_P1_17760_39642517	NC_021160.1	Ca_kabuli_chr01	39642517	GG	AA	1940143223
SNP_P1_17761_39644306	NC_021160.1	Ca_kabuli_chr01	39644306	GG	AA	1940143224
SNP_P1_17762_39645020	NC_021160.1	Ca_kabuli_chr01	39645020	TT	GG	1940143226
SNP_P1_17763_39645976	NC_021160.1	Ca_kabuli_chr01	39645976	TT	GG	1940143227
SNP_P1_17764_39646908	NC_021160.1	Ca_kabuli_chr01	39646908	AA	GG	1940143228
SNP_P1_17765_39650111	NC_021160.1	Ca_kabuli_chr01	39650111	CC	TT	1940143229
SNP_P1_17766_39650697	NC_021160.1	Ca_kabuli_chr01	39650697	CC	AA	1940143230
SNP_P1_17768_39652788	NC_021160.1	Ca_kabuli_chr01	39652788	AA	TT	1940143231
SNP_P1_17769_39654271	NC_021160.1	Ca_kabuli_chr01	39654271	GG	TT	1940143232
SNP_P1_17770_39654352	NC_021160.1	Ca_kabuli_chr01	39654352	TT	CC	1940143233
SNP_P1_17772_39655090	NC_021160.1	Ca_kabuli_chr01	39655090	CC	TT	1940143234
SNP_P1_17773_39655165	NC_021160.1	Ca_kabuli_chr01	39655165	AA	GG	1940143235
SNP_P1_17774_39655409	NC_021160.1	Ca_kabuli_chr01	39655409	TT	CC	1940143236
SNP_P1_17775_39657740	NC_021160.1	Ca_kabuli_chr01	39657740	AA	TT	1940143237
SNP_P1_17776_39657779	NC_021160.1	Ca_kabuli_chr01	39657779	AA	GG	1940143238
SNP_P1_17778_39657837	NC_021160.1	Ca_kabuli_chr01	39657837	CC	TT	1940143239
SNP_P1_17779_39659506	NC_021160.1	Ca_kabuli_chr01	39659506	GG	AA	1940143240
SNP_P1_17780_39659626	NC_021160.1	Ca_kabuli_chr01	39659626	AA	GG	1940143241

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17783_39662155	NC_021160.1	Ca_kabuli_chr01	39662155	TT	CC	1940143244
SNP_P1_17784_39667688	NC_021160.1	Ca_kabuli_chr01	39667688	GG	AA	1940143245
SNP_P1_17785_39667848	NC_021160.1	Ca_kabuli_chr01	39667848	CC	TT	1940143246
SNP_P1_17786_39668193	NC_021160.1	Ca_kabuli_chr01	39668193	CC	TT	1940143247
SNP_P1_17787_39670991	NC_021160.1	Ca_kabuli_chr01	39670991	CC	TT	1940143248
SNP_P1_17788_39673202	NC_021160.1	Ca_kabuli_chr01	39673202	GG	AA	1940143249
SNP_P1_17790_39676522	NC_021160.1	Ca_kabuli_chr01	39676522	GG	AA	1940143250
SNP_P1_17792_39680862	NC_021160.1	Ca_kabuli_chr01	39680862	CC	TT	1940143251
SNP_P1_17794_39681229	NC_021160.1	Ca_kabuli_chr01	39681229	TT	CC	1940143252
SNP_P1_17795_39681255	NC_021160.1	Ca_kabuli_chr01	39681255	GG	TT	1940143253
SNP_P1_17797_39682983	NC_021160.1	Ca_kabuli_chr01	39682983	TT	AA	1940143254
SNP_P1_17798_39683279	NC_021160.1	Ca_kabuli_chr01	39683279	TT	CC	1940143255
SNP_P1_17799_39683489	NC_021160.1	Ca_kabuli_chr01	39683489	AA	GG	1940143256
SNP_P1_17800_39683907	NC_021160.1	Ca_kabuli_chr01	39683907	TT	GG	1940143257
SNP_P1_17801_39684894	NC_021160.1	Ca_kabuli_chr01	39684894	TT	CC	1940143258
SNP_P1_17802_39685887	NC_021160.1	Ca_kabuli_chr01	39685887	AA	GG	1940143259
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SNP_P1_17804_39687859	NC_021160.1	Ca_kabuli_chr01	39687859	CC	TT	1940143261
SNP_P1_17805_39691515	NC_021160.1	Ca_kabuli_chr01	39691515	CC	AA	1940143262
SNP_P1_17806_39694697	NC_021160.1	Ca_kabuli_chr01	39694697	TT	GG	1940143263
SNP_P1_17807_39696110	NC_021160.1	Ca_kabuli_chr01	39696110	CC	TT	1940143265
SNP_P1_17809_39697742	NC_021160.1	Ca_kabuli_chr01	39697742	CC	TT	1940143266
SNP_P1_17810_39698316	NC_021160.1	Ca_kabuli_chr01	39698316	GG	AA	1940143267
SNP_P1_17811_39699023	NC_021160.1	Ca_kabuli_chr01	39699023	GG	AA	1940143268
SNP_P1_17812_39702448	NC_021160.1	Ca_kabuli_chr01	39702448	TT	CC	1940143269
SNP_P1_17813_39702464	NC_021160.1	Ca_kabuli_chr01	39702464	TT	CC	1940143270
SNP_P1_17814_39702473	NC_021160.1	Ca_kabuli_chr01	39702473	AA	GG	1940143271
SNP_P1_17815_39702487	NC_021160.1	Ca_kabuli_chr01	39702487	AA	GG	1940143272
SNP_P1_17816_39716235	NC_021160.1	Ca_kabuli_chr01	39716235	TT	AA	1940143273
SNP_P1_17817_39716369	NC_021160.1	Ca_kabuli_chr01	39716369	TT	CC	1940143274
SNP_P1_17818_39716741	NC_021160.1	Ca_kabuli_chr01	39716741	CC	GG	1940143275
SNP_P1_17819_39717223	NC_021160.1	Ca_kabuli_chr01	39717223	TT	AA	1940143276
SNP_P1_17821_39718612	NC_021160.1	Ca_kabuli_chr01	39718612	AA	TT	1940143277
SNP_P1_17822_39719575	NC_021160.1	Ca_kabuli_chr01	39719575	GG	AA	1940143278
SNP_P1_17823_39724930	NC_021160.1	Ca_kabuli_chr01	39724930	GG	TT	1940143279
SNP_P1_17824_39724991	NC_021160.1	Ca_kabuli_chr01	39724991	AA	GG	1940143280
SNP_P1_17825_39725044	NC_021160.1	Ca_kabuli_chr01	39725044	TT	CC	1940143281
SNP_P1_17827_39726368	NC_021160.1	Ca_kabuli_chr01	39726368	AA	CC	1940143282
SNP_P1_17828_39726369	NC_021160.1	Ca_kabuli_chr01	39726369	GG	CC	1940143283
SNP_P1_17829_39729048	NC_021160.1	Ca_kabuli_chr01	39729048	AA	TT	1940143284

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_17831_39731001	NC_021160.1	Ca_kabuli_chr01	39731001	AA	TT	1940143285
SNP_P1_17832_39731673	NC_021160.1	Ca_kabuli_chr01	39731673	GG	TT	1940143286
SNP_P1_17833_39731677	NC_021160.1	Ca_kabuli_chr01	39731677	AA	TT	1940143287
SNP_P1_17834_39731697	NC_021160.1	Ca_kabuli_chr01	39731697	AA	GG	1940143288
SNP_P1_17835_39731821	NC_021160.1	Ca_kabuli_chr01	39731821	GG	AA	1940143289
SNP_P1_17836_39737803	NC_021160.1	Ca_kabuli_chr01	39737803	TT	CC	1940143290
SNP_P1_17837_39737866	NC_021160.1	Ca_kabuli_chr01	39737866	AA	TT	1940143291
SNP_P1_17838_39739235	NC_021160.1	Ca_kabuli_chr01	39739235	TT	CC	1940143292
SNP_P1_17839_39740272	NC_021160.1	Ca_kabuli_chr01	39740272	GG	AA	1940143293
SNP_P1_17840_39740625	NC_021160.1	Ca_kabuli_chr01	39740625	CC	AA	1940143294
SNP_P1_17841_39741167	NC_021160.1	Ca_kabuli_chr01	39741167	TT	GG	1940143295
SNP_P1_17842_39741202	NC_021160.1	Ca_kabuli_chr01	39741202	TT	CC	1940143296
SNP_P1_17843_39741358	NC_021160.1	Ca_kabuli_chr01	39741358	CC	TT	1940143297
SNP_P1_17844_39741364	NC_021160.1	Ca_kabuli_chr01	39741364	TT	CC	1940143298
SNP_P1_17845_39741367	NC_021160.1	Ca_kabuli_chr01	39741367	CC	AA	1940143300
SNP_P1_17846_39742157	NC_021160.1	Ca_kabuli_chr01	39742157	GG	AA	1940143301
SNP_P1_17847_39744688	NC_021160.1	Ca_kabuli_chr01	39744688	TT	CC	1940143302
SNP_P1_17848_39744752	NC_021160.1	Ca_kabuli_chr01	39744752	CC	TT	1940143303
SNP_P1_17849_39746444	NC_021160.1	Ca_kabuli_chr01	39746444	CC	GG	1940143304
SNP_P1_17850_39746552	NC_021160.1	Ca_kabuli_chr01	39746552	AA	GG	1940143305
SNP_P1_17851_39748537	NC_021160.1	Ca_kabuli_chr01	39748537	GG	AA	1940143306
SNP_P1_17852_39752772	NC_021160.1	Ca_kabuli_chr01	39752772	GG	AA	1940143307
SNP_P1_17853_39754493	NC_021160.1	Ca_kabuli_chr01	39754493	AA	GG	1940143308
SNP_P1_17854_39755516	NC_021160.1	Ca_kabuli_chr01	39755516	GG	AA	1940143309
SNP_P1_17855_39756040	NC_021160.1	Ca_kabuli_chr01	39756040	TT	CC	1940143310
SNP_P1_17856_39757085	NC_021160.1	Ca_kabuli_chr01	39757085	TT	AA	1940143311
SNP_P1_17857_39757149	NC_021160.1	Ca_kabuli_chr01	39757149	GG	TT	1940143312
SNP_P1_17858_39757531	NC_021160.1	Ca_kabuli_chr01	39757531	CC	TT	1940143313
SNP_P1_17859_39761119	NC_021160.1	Ca_kabuli_chr01	39761119	CC	TT	1940143314
SNP_P1_17860_39761310	NC_021160.1	Ca_kabuli_chr01	39761310	GG	AA	1940143315
SNP_P1_17861_39761617	NC_021160.1	Ca_kabuli_chr01	39761617	TT	AA	1940143316
SNP_P1_17862_39762323	NC_021160.1	Ca_kabuli_chr01	39762323	TT	CC	1940143317
SNP_P1_17863_39762510	NC_021160.1	Ca_kabuli_chr01	39762510	AA	GG	1940143318
SNP_P1_17864_39763203	NC_021160.1	Ca_kabuli_chr01	39763203	AA	TT	1940143319
SNP_P1_17866_39763363	NC_021160.1	Ca_kabuli_chr01	39763363	CC	TT	1940143320
SNP_P1_17867_39763429	NC_021160.1	Ca_kabuli_chr01	39763429	GG	AA	1940143321
SNP_P1_17868_39763595	NC_021160.1	Ca_kabuli_chr01	39763595	CC	AA	1940143322
SNP_P1_17869_39763613	NC_021160.1	Ca_kabuli_chr01	39763613	TT	GG	1940143323
SNP_P1_17870_39763643	NC_021160.1	Ca_kabuli_chr01	39763643	AA	TT	1940143324
SNP_P1_17871_39763731	NC_021160.1	Ca_kabuli_chr01	39763731	CC	TT	1940143325
SNP_P1_17872_39764324	NC_021160.1	Ca_kabuli_chr01	39764324	CC	TT	1940143326
SNP_P1_17873_39764331	NC_021160.1	Ca_kabuli_chr01	39764331	TT	CC	1940143327

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17875_39765839	NC_021160.1	Ca_kabuli_chr01	39765839	AA	GG	1940143329
SNP_P1_17877_39766759	NC_021160.1	Ca_kabuli_chr01	39766759	GG	AA	1940143330
SNP_P1_17878_39768633	NC_021160.1	Ca_kabuli_chr01	39768633	CC	TT	1940143331
SNP_P1_17879_39768706	NC_021160.1	Ca_kabuli_chr01	39768706	AA	TT	1940143332
SNP_P1_17880_39770555	NC_021160.1	Ca_kabuli_chr01	39770555	GG	AA	1940143333
SNP_P1_17881_39771108	NC_021160.1	Ca_kabuli_chr01	39771108	GG	AA	1940143334
SNP_P1_17882_39773692	NC_021160.1	Ca_kabuli_chr01	39773692	AA	CC	1940143335
SNP_P1_17883_39775368	NC_021160.1	Ca_kabuli_chr01	39775368	CC	TT	1940143336
SNP_P1_17884_39777019	NC_021160.1	Ca_kabuli_chr01	39777019	CC	TT	1940143337
SNP_P1_17886_39779559	NC_021160.1	Ca_kabuli_chr01	39779559	TT	GG	1940143338
SNP_P1_17890_39782165	NC_021160.1	Ca_kabuli_chr01	39782165	CC	TT	1940143340
SNP_P1_17891_39783193	NC_021160.1	Ca_kabuli_chr01	39783193	AA	CC	1940143341
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SNP_P1_17894_39784838	NC_021160.1	Ca_kabuli_chr01	39784838	GG	AA	1940143343
SNP_P1_17895_39786096	NC_021160.1	Ca_kabuli_chr01	39786096	CC	TT	1940143344
SNP_P1_17896_39787040	NC_021160.1	Ca_kabuli_chr01	39787040	AA	CC	1940143345
SNP_P1_17897_39787052	NC_021160.1	Ca_kabuli_chr01	39787052	CC	TT	1940143346
SNP_P1_17898_39787443	NC_021160.1	Ca_kabuli_chr01	39787443	AA	GG	1940143347
SNP_P1_17899_39787595	NC_021160.1	Ca_kabuli_chr01	39787595	TT	GG	1940143348
SNP_P1_17900_39787670	NC_021160.1	Ca_kabuli_chr01	39787670	TT	CC	1940143349
SNP_P1_17901_39790021	NC_021160.1	Ca_kabuli_chr01	39790021	TT	CC	1940143350
SNP_P1_17902_39791380	NC_021160.1	Ca_kabuli_chr01	39791380	TT	GG	1940143351
SNP_P1_17903_39792197	NC_021160.1	Ca_kabuli_chr01	39792197	GG	TT	1940143352
SNP_P1_17904_39792360	NC_021160.1	Ca_kabuli_chr01	39792360	CC	TT	1940143353
SNP_P1_17905_39793240	NC_021160.1	Ca_kabuli_chr01	39793240	GG	AA	1940143354
SNP_P1_17906_39793266	NC_021160.1	Ca_kabuli_chr01	39793266	GG	AA	1940143355
SNP_P1_17908_39798003	NC_021160.1	Ca_kabuli_chr01	39798003	TT	CC	1940143356
SNP_P1_17909_39800282	NC_021160.1	Ca_kabuli_chr01	39800282	GG	AA	1940143357
SNP_P1_17910_39800699	NC_021160.1	Ca_kabuli_chr01	39800699	CC	TT	1940143358
SNP_P1_17911_39801335	NC_021160.1	Ca_kabuli_chr01	39801335	GG	TT	1940143359
SNP_P1_17912_39802075	NC_021160.1	Ca_kabuli_chr01	39802075	TT	CC	1940143360
SNP_P1_17913_39803544	NC_021160.1	Ca_kabuli_chr01	39803544	TT	AA	1940143361
SNP_P1_17914_39806232	NC_021160.1	Ca_kabuli_chr01	39806232	GG	AA	1940143362
SNP_P1_17915_39806936	NC_021160.1	Ca_kabuli_chr01	39806936	TT	CC	1940143363
SNP_P1_17916_39807079	NC_021160.1	Ca_kabuli_chr01	39807079	AA	CC	1940143364
SNP_P1_17917_39809194	NC_021160.1	Ca_kabuli_chr01	39809194	GG	AA	1940143365
SNP_P1_17918_39809618	NC_021160.1	Ca_kabuli_chr01	39809618	AA	GG	1940143366
SNP_P1_17919_39809836	NC_021160.1	Ca_kabuli_chr01	39809836	AA	TT	1940143367
SNP_P1_17920_39811025	NC_021160.1	Ca_kabuli_chr01	39811025	AA	TT	1940143368
SNP_P1_17921_39811862	NC_021160.1	Ca_kabuli_chr01	39811862	AA	CC	1940143369
SNP_P1_17922_39813768	NC_021160.1	Ca_kabuli_chr01	39813768	AA	TT	1940143370

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17925_39817209	NC_021160.1	Ca_kabuli_chr01	39817209	CC	TT	1940143372
SNP_P1_17926_39817425	NC_021160.1	Ca_kabuli_chr01	39817425	TT	CC	1940143373
SNP_P1_17927_39819325	NC_021160.1	Ca_kabuli_chr01	39819325	TT	CC	1940143374
SNP_P1_17928_39819991	NC_021160.1	Ca_kabuli_chr01	39819991	AA	CC	1940143375
SNP_P1_17929_39821250	NC_021160.1	Ca_kabuli_chr01	39821250	TT	CC	1940143376
SNP_P1_17930_39821745	NC_021160.1	Ca_kabuli_chr01	39821745	CC	TT	1940143377
SNP_P1_17931_39823541	NC_021160.1	Ca_kabuli_chr01	39823541	AA	TT	1940143378
SNP_P1_17932_39828039	NC_021160.1	Ca_kabuli_chr01	39828039	CC	TT	1940143379
SNP_P1_17933_39829317	NC_021160.1	Ca_kabuli_chr01	39829317	AA	TT	1940143380
SNP_P1_17934_39829481	NC_021160.1	Ca_kabuli_chr01	39829481	TT	GG	1940143381
SNP_P1_17935_39829532	NC_021160.1	Ca_kabuli_chr01	39829532	AA	GG	1940143382
SNP_P1_17936_39830350	NC_021160.1	Ca_kabuli_chr01	39830350	AA	GG	1940143384
SNP_P1_17937_39831187	NC_021160.1	Ca_kabuli_chr01	39831187	GG	CC	1940143385
SNP_P1_17938_39832257	NC_021160.1	Ca_kabuli_chr01	39832257	CC	GG	1940143386
SNP_P1_17939_39833481	NC_021160.1	Ca_kabuli_chr01	39833481	TT	CC	1940143387
SNP_P1_17940_39834045	NC_021160.1	Ca_kabuli_chr01	39834045	AA	GG	1940143388
SNP_P1_17941_39834467	NC_021160.1	Ca_kabuli_chr01	39834467	TT	GG	1940143389
SNP_P1_17942_39835787	NC_021160.1	Ca_kabuli_chr01	39835787	AA	GG	1940143390
SNP_P1_17943_39837538	NC_021160.1	Ca_kabuli_chr01	39837538	CC	TT	1940143391
SNP_P1_17944_39837554	NC_021160.1	Ca_kabuli_chr01	39837554	GG	TT	1940143392
SNP_P1_17945_39837555	NC_021160.1	Ca_kabuli_chr01	39837555	CC	TT	1940143393
SNP_P1_17946_39837556	NC_021160.1	Ca_kabuli_chr01	39837556	TT	CC	1940143394
SNP_P1_17947_39837561	NC_021160.1	Ca_kabuli_chr01	39837561	AA	CC	1940143395
SNP_P1_17948_39839461	NC_021160.1	Ca_kabuli_chr01	39839461	TT	GG	1940143396
SNP_P1_17949_39839467	NC_021160.1	Ca_kabuli_chr01	39839467	TT	GG	1940143397
SNP_P1_17950_39842280	NC_021160.1	Ca_kabuli_chr01	39842280	TT	CC	1940143398
SNP_P1_17951_39842449	NC_021160.1	Ca_kabuli_chr01	39842449	TT	CC	1940143399
SNP_P1_17952_39842458	NC_021160.1	Ca_kabuli_chr01	39842458	GG	AA	1940143400
SNP_P1_17953_39842509	NC_021160.1	Ca_kabuli_chr01	39842509	CC	GG	1940143401
SNP_P1_17954_39842618	NC_021160.1	Ca_kabuli_chr01	39842618	TT	CC	1940143402
SNP_P1_17955_39843039	NC_021160.1	Ca_kabuli_chr01	39843039	CC	AA	1940143403
SNP_P1_17956_39843040	NC_021160.1	Ca_kabuli_chr01	39843040	CC	TT	1940143404
SNP_P1_17957_39843444	NC_021160.1	Ca_kabuli_chr01	39843444	GG	AA	1940143405
SNP_P1_17958_39843646	NC_021160.1	Ca_kabuli_chr01	39843646	CC	TT	1940143406
SNP_P1_17959_39844409	NC_021160.1	Ca_kabuli_chr01	39844409	TT	CC	1940143407
SNP_P1_17961_39846455	NC_021160.1	Ca_kabuli_chr01	39846455	AA	GG	1940143408
SNP_P1_17962_39847188	NC_021160.1	Ca_kabuli_chr01	39847188	TT	CC	1940143409
SNP_P1_17964_39848712	NC_021160.1	Ca_kabuli_chr01	39848712	CC	TT	1940143410
SNP_P1_17965_39849056	NC_021160.1	Ca_kabuli_chr01	39849056	CC	TT	1940143411
SNP_P1_17966_39849479	NC_021160.1	Ca_kabuli_chr01	39849479	CC	TT	1940143412
SNP_P1_17967_39850595	NC_021160.1	Ca_kabuli_chr01	39850595	CC	TT	1940143413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_17969_39850944	NC_021160.1	Ca_kabuli_chr01	39850944	AA	GG	1940143416
SNP_P1_17970_39851458	NC_021160.1	Ca_kabuli_chr01	39851458	CC	GG	1940143417
SNP_P1_17971_39855080	NC_021160.1	Ca_kabuli_chr01	39855080	AA	TT	1940143418
SNP_P1_17972_39856410	NC_021160.1	Ca_kabuli_chr01	39856410	CC	AA	1940143419
SNP_P1_17973_39856655	NC_021160.1	Ca_kabuli_chr01	39856655	CC	TT	1940143420
SNP_P1_17974_39857046	NC_021160.1	Ca_kabuli_chr01	39857046	CC	TT	1940143421
SNP_P1_17975_39857076	NC_021160.1	Ca_kabuli_chr01	39857076	AA	GG	1940143422
SNP_P1_17976_39857398	NC_021160.1	Ca_kabuli_chr01	39857398	AA	CC	1940143423
SNP_P1_17977_39858233	NC_021160.1	Ca_kabuli_chr01	39858233	TT	CC	1940143424
SNP_P1_17978_39860429	NC_021160.1	Ca_kabuli_chr01	39860429	TT	CC	1940143425
SNP_P1_17979_39862298	NC_021160.1	Ca_kabuli_chr01	39862298	AA	GG	1940143426
SNP_P1_17980_39862736	NC_021160.1	Ca_kabuli_chr01	39862736	GG	AA	1940143427
SNP_P1_17981_39863042	NC_021160.1	Ca_kabuli_chr01	39863042	AA	GG	1940143428
SNP_P1_17982_39863318	NC_021160.1	Ca_kabuli_chr01	39863318	GG	AA	1940143429
SNP_P1_17983_39864710	NC_021160.1	Ca_kabuli_chr01	39864710	CC	TT	1940143430
SNP_P1_17984_39868270	NC_021160.1	Ca_kabuli_chr01	39868270	TT	CC	1940143431
SNP_P1_17985_39868277	NC_021160.1	Ca_kabuli_chr01	39868277	CC	TT	1940143432
SNP_P1_17986_39870220	NC_021160.1	Ca_kabuli_chr01	39870220	AA	GG	1940143433
SNP_P1_17989_39879428	NC_021160.1	Ca_kabuli_chr01	39879428	CC	AA	1940143434
SNP_P1_17990_39879714	NC_021160.1	Ca_kabuli_chr01	39879714	TT	CC	1940143435
SNP_P1_17991_39879746	NC_021160.1	Ca_kabuli_chr01	39879746	TT	AA	1940143436
SNP_P1_17992_39883367	NC_021160.1	Ca_kabuli_chr01	39883367	TT	CC	1940143437
SNP_P1_17993_39890862	NC_021160.1	Ca_kabuli_chr01	39890862	GG	AA	1940143438
SNP_P1_17994_39892846	NC_021160.1	Ca_kabuli_chr01	39892846	GG	TT	1940143439
SNP_P1_17996_39902462	NC_021160.1	Ca_kabuli_chr01	39902462	AA	TT	1940143440
SNP_P1_17997_39902597	NC_021160.1	Ca_kabuli_chr01	39902597	AA	CC	1940143441
SNP_P1_17998_39902612	NC_021160.1	Ca_kabuli_chr01	39902612	CC	AA	1940143442
SNP_P1_17999_39904549	NC_021160.1	Ca_kabuli_chr01	39904549	TT	CC	1940143443
SNP_P1_18002_39913118	NC_021160.1	Ca_kabuli_chr01	39913118	CC	GG	1940143444
SNP_P1_18003_39913649	NC_021160.1	Ca_kabuli_chr01	39913649	TT	AA	1940143445
SNP_P1_18004_39914008	NC_021160.1	Ca_kabuli_chr01	39914008	TT	GG	1940143446
SNP_P1_18005_39915324	NC_021160.1	Ca_kabuli_chr01	39915324	GG	AA	1940143448
SNP_P1_18006_39915590	NC_021160.1	Ca_kabuli_chr01	39915590	AA	CC	1940143449
SNP_P1_18007_39923444	NC_021160.1	Ca_kabuli_chr01	39923444	GG	AA	1940143450
SNP_P1_18008_39924253	NC_021160.1	Ca_kabuli_chr01	39924253	TT	CC	1940143451
SNP_P1_18009_39924828	NC_021160.1	Ca_kabuli_chr01	39924828	TT	CC	1940143452
SNP_P1_18010_39927198	NC_021160.1	Ca_kabuli_chr01	39927198	AA	TT	1940143453
SNP_P1_18011_39927204	NC_021160.1	Ca_kabuli_chr01	39927204	CC	TT	1940143454
SNP_P1_18012_39927210	NC_021160.1	Ca_kabuli_chr01	39927210	TT	AA	1940143455
SNP_P1_18013_39927277	NC_021160.1	Ca_kabuli_chr01	39927277	CC	TT	1940143456
SNP_P1_18014_39927400	NC_021160.1	Ca_kabuli_chr01	39927400	TT	CC	1940143457

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18016_39930545	NC_021160.1	Ca_kabuli_chr01	39930545	GG	AA	1940143459
SNP_P1_18017_39931327	NC_021160.1	Ca_kabuli_chr01	39931327	TT	GG	1940143460
SNP_P1_18018_39931626	NC_021160.1	Ca_kabuli_chr01	39931626	AA	GG	1940143461
SNP_P1_18019_39931637	NC_021160.1	Ca_kabuli_chr01	39931637	TT	AA	1940143462
SNP_P1_18020_39931688	NC_021160.1	Ca_kabuli_chr01	39931688	TT	CC	1940143463
SNP_P1_18021_39933322	NC_021160.1	Ca_kabuli_chr01	39933322	TT	CC	1940143464
SNP_P1_18022_39935137	NC_021160.1	Ca_kabuli_chr01	39935137	GG	TT	1940143465
SNP_P1_18023_39937373	NC_021160.1	Ca_kabuli_chr01	39937373	AA	GG	1940143466
SNP_P1_18024_39937377	NC_021160.1	Ca_kabuli_chr01	39937377	AA	GG	1940143467
SNP_P1_18025_39945588	NC_021160.1	Ca_kabuli_chr01	39945588	CC	TT	1940143468
SNP_P1_18026_39947522	NC_021160.1	Ca_kabuli_chr01	39947522	TT	AA	1940143469
SNP_P1_18027_39948617	NC_021160.1	Ca_kabuli_chr01	39948617	GG	TT	1940143470
SNP_P1_18028_39949001	NC_021160.1	Ca_kabuli_chr01	39949001	CC	TT	1940143471
SNP_P1_18029_39949069	NC_021160.1	Ca_kabuli_chr01	39949069	TT	AA	1940143472
SNP_P1_18030_39949268	NC_021160.1	Ca_kabuli_chr01	39949268	GG	AA	1940143473
SNP_P1_18031_39949698	NC_021160.1	Ca_kabuli_chr01	39949698	TT	GG	1940143474
SNP_P1_18033_39952506	NC_021160.1	Ca_kabuli_chr01	39952506	AA	CC	1940143475
SNP_P1_18034_39953430	NC_021160.1	Ca_kabuli_chr01	39953430	CC	GG	1940143476
SNP_P1_18036_39956640	NC_021160.1	Ca_kabuli_chr01	39956640	TT	GG	1940143477
SNP_P1_18037_39966797	NC_021160.1	Ca_kabuli_chr01	39966797	CC	TT	1940143478
SNP_P1_18038_39966964	NC_021160.1	Ca_kabuli_chr01	39966964	GG	AA	1940143479
SNP_P1_18039_39967000	NC_021160.1	Ca_kabuli_chr01	39967000	CC	TT	1940143481
SNP_P1_18040_39967329	NC_021160.1	Ca_kabuli_chr01	39967329	AA	TT	1940143482
SNP_P1_18041_39968746	NC_021160.1	Ca_kabuli_chr01	39968746	TT	AA	1940143483
SNP_P1_18042_39968871	NC_021160.1	Ca_kabuli_chr01	39968871	GG	AA	1940143484
SNP_P1_18043_39970186	NC_021160.1	Ca_kabuli_chr01	39970186	GG	AA	1940143485
SNP_P1_18044_39970222	NC_021160.1	Ca_kabuli_chr01	39970222	AA	GG	1940143486
SNP_P1_18045_39970311	NC_021160.1	Ca_kabuli_chr01	39970311	GG	AA	1940143487
SNP_P1_18046_39971415	NC_021160.1	Ca_kabuli_chr01	39971415	GG	AA	1940143488
SNP_P1_18047_39971818	NC_021160.1	Ca_kabuli_chr01	39971818	CC	AA	1940143489
SNP_P1_18048_39971978	NC_021160.1	Ca_kabuli_chr01	39971978	AA	GG	1940143490
SNP_P1_18049_39973345	NC_021160.1	Ca_kabuli_chr01	39973345	GG	AA	1940143491
SNP_P1_18050_39973346	NC_021160.1	Ca_kabuli_chr01	39973346	TT	CC	1940143492
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SNP_P1_18052_39975039	NC_021160.1	Ca_kabuli_chr01	39975039	CC	TT	1940143494
SNP_P1_18053_39975093	NC_021160.1	Ca_kabuli_chr01	39975093	GG	CC	1940143495
SNP_P1_18054_39975160	NC_021160.1	Ca_kabuli_chr01	39975160	CC	TT	1940143496
SNP_P1_18056_39976353	NC_021160.1	Ca_kabuli_chr01	39976353	CC	TT	1940143497
SNP_P1_18057_39978145	NC_021160.1	Ca_kabuli_chr01	39978145	GG	CC	1940143498
SNP_P1_18058_39978416	NC_021160.1	Ca_kabuli_chr01	39978416	AA	GG	1940143499
SNP_P1_18059_39978952	NC_021160.1	Ca_kabuli_chr01	39978952	AA	GG	1940143500

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18061_39979187	NC_021160.1	Ca_kabuli_chr01	39979187	CC	TT	1940143502
SNP_P1_18062_39979238	NC_021160.1	Ca_kabuli_chr01	39979238	TT	CC	1940143503
SNP_P1_18063_39979426	NC_021160.1	Ca_kabuli_chr01	39979426	CC	TT	1940143504
SNP_P1_18064_39981452	NC_021160.1	Ca_kabuli_chr01	39981452	CC	TT	1940143505
SNP_P1_18065_39984862	NC_021160.1	Ca_kabuli_chr01	39984862	AA	GG	1940143507
SNP_P1_18068_39992376	NC_021160.1	Ca_kabuli_chr01	39992376	CC	TT	1940143508
SNP_P1_18069_39992400	NC_021160.1	Ca_kabuli_chr01	39992400	TT	CC	1940143509
SNP_P1_18070_39992728	NC_021160.1	Ca_kabuli_chr01	39992728	CC	TT	1940143510
SNP_P1_18071_39992837	NC_021160.1	Ca_kabuli_chr01	39992837	CC	TT	1940143511
SNP_P1_18072_39993964	NC_021160.1	Ca_kabuli_chr01	39993964	GG	TT	1940143512
SNP_P1_18073_39994352	NC_021160.1	Ca_kabuli_chr01	39994352	TT	CC	1940143513
SNP_P1_18074_39994667	NC_021160.1	Ca_kabuli_chr01	39994667	AA	GG	1940143514
SNP_P1_18075_39994851	NC_021160.1	Ca_kabuli_chr01	39994851	CC	TT	1940143515
SNP_P1_18076_39994896	NC_021160.1	Ca_kabuli_chr01	39994896	TT	CC	1940143516
SNP_P1_18077_39994926	NC_021160.1	Ca_kabuli_chr01	39994926	CC	AA	1940143517
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SNP_P1_18079_39996727	NC_021160.1	Ca_kabuli_chr01	39996727	AA	CC	1940143519
SNP_P1_18080_40000642	NC_021160.1	Ca_kabuli_chr01	40000642	CC	TT	1940143520
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SNP_P1_18084_40008199	NC_021160.1	Ca_kabuli_chr01	40008199	CC	TT	1940143523
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SNP_P1_18088_40010930	NC_021160.1	Ca_kabuli_chr01	40010930	GG	TT	1940143526
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SNP_P1_18092_40012073	NC_021160.1	Ca_kabuli_chr01	40012073	TT	AA	1940143529
SNP_P1_18093_40012435	NC_021160.1	Ca_kabuli_chr01	40012435	CC	GG	1940143530
SNP_P1_18094_40013318	NC_021160.1	Ca_kabuli_chr01	40013318	GG	TT	1940143532
SNP_P1_18096_40015753	NC_021160.1	Ca_kabuli_chr01	40015753	GG	TT	1940143533
SNP_P1_18097_40015887	NC_021160.1	Ca_kabuli_chr01	40015887	AA	GG	1940143534
SNP_P1_18098_40015988	NC_021160.1	Ca_kabuli_chr01	40015988	CC	TT	1940143535
SNP_P1_18099_40016521	NC_021160.1	Ca_kabuli_chr01	40016521	TT	AA	1940143536
SNP_P1_18100_40018799	NC_021160.1	Ca_kabuli_chr01	40018799	AA	GG	1940143537
SNP_P1_18101_40019321	NC_021160.1	Ca_kabuli_chr01	40019321	GG	CC	1940143538
SNP_P1_18102_40020252	NC_021160.1	Ca_kabuli_chr01	40020252	TT	CC	1940143539
SNP_P1_18103_40020880	NC_021160.1	Ca_kabuli_chr01	40020880	CC	TT	1940143540
SNP_P1_18104_40021905	NC_021160.1	Ca_kabuli_chr01	40021905	AA	CC	1940143541
SNP_P1_18105_40022489	NC_021160.1	Ca_kabuli_chr01	40022489	TT	GG	1940143542
SNP_P1_18108_40035062	NC_021160.1	Ca_kabuli_chr01	40035062	TT	CC	1940143543
SNP_P1_18109_40035473	NC_021160.1	Ca_kabuli_chr01	40035473	CC	AA	1940143544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18112_40036852	NC_021160.1	Ca_kabuli_chr01	40036852	GG	TT	1940143547
SNP_P1_18113_40036860	NC_021160.1	Ca_kabuli_chr01	40036860	AA	TT	1940143548
SNP_P1_18114_40037506	NC_021160.1	Ca_kabuli_chr01	40037506	AA	TT	1940143549
SNP_P1_18115_40037507	NC_021160.1	Ca_kabuli_chr01	40037507	CC	TT	1940143550
SNP_P1_18116_40044834	NC_021160.1	Ca_kabuli_chr01	40044834	CC	TT	1940143551
SNP_P1_18117_40045167	NC_021160.1	Ca_kabuli_chr01	40045167	AA	CC	1940143552
SNP_P1_18118_40045636	NC_021160.1	Ca_kabuli_chr01	40045636	TT	GG	1940143553
SNP_P1_18119_40046927	NC_021160.1	Ca_kabuli_chr01	40046927	CC	TT	1940143554
SNP_P1_18121_40047915	NC_021160.1	Ca_kabuli_chr01	40047915	CC	TT	1940143556
SNP_P1_18122_40048296	NC_021160.1	Ca_kabuli_chr01	40048296	CC	GG	1940143557
SNP_P1_18124_40050064	NC_021160.1	Ca_kabuli_chr01	40050064	TT	AA	1940143558
SNP_P1_18125_40050826	NC_021160.1	Ca_kabuli_chr01	40050826	GG	AA	1940143559
SNP_P1_18126_40050922	NC_021160.1	Ca_kabuli_chr01	40050922	AA	GG	1940143560
SNP_P1_18127_40051122	NC_021160.1	Ca_kabuli_chr01	40051122	AA	TT	1940143561
SNP_P1_18128_40052456	NC_021160.1	Ca_kabuli_chr01	40052456	TT	GG	1940143562
SNP_P1_18129_40052535	NC_021160.1	Ca_kabuli_chr01	40052535	GG	AA	1940143563
SNP_P1_18130_40052636	NC_021160.1	Ca_kabuli_chr01	40052636	AA	GG	1940143564
SNP_P1_18132_40052846	NC_021160.1	Ca_kabuli_chr01	40052846	GG	AA	1940143565
SNP_P1_18133_40053152	NC_021160.1	Ca_kabuli_chr01	40053152	AA	TT	1940143566
SNP_P1_18134_40053308	NC_021160.1	Ca_kabuli_chr01	40053308	TT	CC	1940143567
SNP_P1_18135_40053328	NC_021160.1	Ca_kabuli_chr01	40053328	GG	TT	1940143568
SNP_P1_18136_40053853	NC_021160.1	Ca_kabuli_chr01	40053853	GG	AA	1940143569
SNP_P1_18137_40055735	NC_021160.1	Ca_kabuli_chr01	40055735	GG	AA	1940143570
SNP_P1_18138_40056000	NC_021160.1	Ca_kabuli_chr01	40056000	CC	AA	1940143571
SNP_P1_18139_40056223	NC_021160.1	Ca_kabuli_chr01	40056223	CC	TT	1940143572
SNP_P1_18140_40056643	NC_021160.1	Ca_kabuli_chr01	40056643	AA	CC	1940143573
SNP_P1_18141_40056793	NC_021160.1	Ca_kabuli_chr01	40056793	CC	GG	1940143574
SNP_P1_18142_40056841	NC_021160.1	Ca_kabuli_chr01	40056841	AA	CC	1940143575
SNP_P1_18143_40057211	NC_021160.1	Ca_kabuli_chr01	40057211	CC	TT	1940143577
SNP_P1_18144_40057439	NC_021160.1	Ca_kabuli_chr01	40057439	CC	AA	1940143578
SNP_P1_18145_40057590	NC_021160.1	Ca_kabuli_chr01	40057590	TT	CC	1940143579
SNP_P1_18146_40058901	NC_021160.1	Ca_kabuli_chr01	40058901	AA	CC	1940143580
SNP_P1_18147_40059690	NC_021160.1	Ca_kabuli_chr01	40059690	GG	CC	1940143581
SNP_P1_18148_40061693	NC_021160.1	Ca_kabuli_chr01	40061693	GG	AA	1940143582
SNP_P1_18149_40062043	NC_021160.1	Ca_kabuli_chr01	40062043	TT	AA	1940143583
SNP_P1_18150_40062735	NC_021160.1	Ca_kabuli_chr01	40062735	TT	AA	1940143584
SNP_P1_18151_40063444	NC_021160.1	Ca_kabuli_chr01	40063444	GG	TT	1940143585
SNP_P1_18152_40063944	NC_021160.1	Ca_kabuli_chr01	40063944	AA	GG	1940143586
SNP_P1_18153_40065180	NC_021160.1	Ca_kabuli_chr01	40065180	AA	GG	1940143587
SNP_P1_18154_40067444	NC_021160.1	Ca_kabuli_chr01	40067444	TT	AA	1940143588

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18157_40068371	NC_021160.1	Ca_kabuli_chr01	40068371	GG	TT	1940143591
SNP_P1_18158_40068408	NC_021160.1	Ca_kabuli_chr01	40068408	TT	GG	1940143592
SNP_P1_18159_40068410	NC_021160.1	Ca_kabuli_chr01	40068410	TT	AA	1940143593
SNP_P1_18160_40068727	NC_021160.1	Ca_kabuli_chr01	40068727	TT	CC	1940143594
SNP_P1_18161_40068817	NC_021160.1	Ca_kabuli_chr01	40068817	CC	AA	1940143595
SNP_P1_18162_40068875	NC_021160.1	Ca_kabuli_chr01	40068875	CC	AA	1940143596
SNP_P1_18163_40069983	NC_021160.1	Ca_kabuli_chr01	40069983	GG	TT	1940143597
SNP_P1_18164_40070140	NC_021160.1	Ca_kabuli_chr01	40070140	TT	CC	1940143598
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SNP_P1_18167_40072017	NC_021160.1	Ca_kabuli_chr01	40072017	CC	AA	1940143602
SNP_P1_18168_40072399	NC_021160.1	Ca_kabuli_chr01	40072399	GG	AA	1940143603
SNP_P1_18169_40073477	NC_021160.1	Ca_kabuli_chr01	40073477	GG	AA	1940143604
SNP_P1_18170_40073690	NC_021160.1	Ca_kabuli_chr01	40073690	TT	GG	1940143605
SNP_P1_18171_40074573	NC_021160.1	Ca_kabuli_chr01	40074573	AA	GG	1940143606
SNP_P1_18172_40075044	NC_021160.1	Ca_kabuli_chr01	40075044	AA	TT	1940143607
SNP_P1_18173_40076647	NC_021160.1	Ca_kabuli_chr01	40076647	CC	TT	1940143608
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SNP_P1_18176_40079426	NC_021160.1	Ca_kabuli_chr01	40079426	AA	GG	1940143611
SNP_P1_18177_40079535	NC_021160.1	Ca_kabuli_chr01	40079535	CC	TT	1940143612
SNP_P1_18178_40079749	NC_021160.1	Ca_kabuli_chr01	40079749	TT	AA	1940143613
SNP_P1_18179_40080075	NC_021160.1	Ca_kabuli_chr01	40080075	CC	AA	1940143614
SNP_P1_18180_40080101	NC_021160.1	Ca_kabuli_chr01	40080101	CC	TT	1940143615
SNP_P1_18181_40083386	NC_021160.1	Ca_kabuli_chr01	40083386	CC	AA	1940143616
SNP_P1_18182_40085230	NC_021160.1	Ca_kabuli_chr01	40085230	CC	TT	1940143617
SNP_P1_18184_40086935	NC_021160.1	Ca_kabuli_chr01	40086935	TT	CC	1940143618
SNP_P1_18185_40087452	NC_021160.1	Ca_kabuli_chr01	40087452	AA	GG	1940143619
SNP_P1_18186_40091009	NC_021160.1	Ca_kabuli_chr01	40091009	GG	AA	1940143620
SNP_P1_18187_40091948	NC_021160.1	Ca_kabuli_chr01	40091948	TT	AA	1940143621
SNP_P1_18188_40091973	NC_021160.1	Ca_kabuli_chr01	40091973	CC	AA	1940143622
SNP_P1_18191_40092703	NC_021160.1	Ca_kabuli_chr01	40092703	CC	TT	1940143623
SNP_P1_18192_40092772	NC_021160.1	Ca_kabuli_chr01	40092772	TT	CC	1940143624
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SNP_P1_18194_40094024	NC_021160.1	Ca_kabuli_chr01	40094024	AA	CC	1940143626
SNP_P1_18195_40096107	NC_021160.1	Ca_kabuli_chr01	40096107	AA	TT	1940143627
SNP_P1_18196_40096829	NC_021160.1	Ca_kabuli_chr01	40096829	TT	CC	1940143628
SNP_P1_18197_40097188	NC_021160.1	Ca_kabuli_chr01	40097188	GG	AA	1940143629
SNP_P1_18198_40097349	NC_021160.1	Ca_kabuli_chr01	40097349	CC	TT	1940143631
SNP_P1_18199_40097362	NC_021160.1	Ca_kabuli_chr01	40097362	TT	CC	1940143632

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18202_40098074	NC_021160.1	Ca_kabuli_chr01	40098074	GG	TT	1940143635
SNP_P1_18203_40098842	NC_021160.1	Ca_kabuli_chr01	40098842	GG	AA	1940143636
SNP_P1_18204_40099059	NC_021160.1	Ca_kabuli_chr01	40099059	TT	CC	1940143637
SNP_P1_18205_40099060	NC_021160.1	Ca_kabuli_chr01	40099060	TT	CC	1940143638
SNP_P1_18206_40099136	NC_021160.1	Ca_kabuli_chr01	40099136	GG	AA	1940143639
SNP_P1_18207_40099243	NC_021160.1	Ca_kabuli_chr01	40099243	AA	CC	1940143640
SNP_P1_18208_40099932	NC_021160.1	Ca_kabuli_chr01	40099932	CC	TT	1940143641
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SNP_P1_18211_40101305	NC_021160.1	Ca_kabuli_chr01	40101305	CC	TT	1940143643
SNP_P1_18212_40101838	NC_021160.1	Ca_kabuli_chr01	40101838	AA	TT	1940143644
SNP_P1_18213_40101842	NC_021160.1	Ca_kabuli_chr01	40101842	CC	TT	1940143645
SNP_P1_18214_40102153	NC_021160.1	Ca_kabuli_chr01	40102153	TT	AA	1940143646
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SNP_P1_18216_40102588	NC_021160.1	Ca_kabuli_chr01	40102588	CC	TT	1940143648
SNP_P1_18217_40102857	NC_021160.1	Ca_kabuli_chr01	40102857	AA	GG	1940143649
SNP_P1_18218_40103290	NC_021160.1	Ca_kabuli_chr01	40103290	CC	GG	1940143650
SNP_P1_18219_40110276	NC_021160.1	Ca_kabuli_chr01	40110276	TT	CC	1940143651
SNP_P1_18220_40111113	NC_021160.1	Ca_kabuli_chr01	40111113	TT	GG	1940143652
SNP_P1_18221_40113337	NC_021160.1	Ca_kabuli_chr01	40113337	AA	GG	1940143653
SNP_P1_18222_40113377	NC_021160.1	Ca_kabuli_chr01	40113377	GG	AA	1940143654
SNP_P1_18223_40113392	NC_021160.1	Ca_kabuli_chr01	40113392	TT	CC	1940143655
SNP_P1_18224_40113680	NC_021160.1	Ca_kabuli_chr01	40113680	GG	CC	1940143656
SNP_P1_18225_40113682	NC_021160.1	Ca_kabuli_chr01	40113682	AA	GG	1940143657
SNP_P1_18226_40114453	NC_021160.1	Ca_kabuli_chr01	40114453	TT	AA	1940143658
SNP_P1_18227_40114499	NC_021160.1	Ca_kabuli_chr01	40114499	CC	TT	1940143659
SNP_P1_18229_40115272	NC_021160.1	Ca_kabuli_chr01	40115272	TT	CC	1940143660
SNP_P1_18230_40115341	NC_021160.1	Ca_kabuli_chr01	40115341	GG	AA	1940143661
SNP_P1_18231_40115382	NC_021160.1	Ca_kabuli_chr01	40115382	TT	CC	1940143662
SNP_P1_18232_40115402	NC_021160.1	Ca_kabuli_chr01	40115402	CC	TT	1940143663
SNP_P1_18233_40118839	NC_021160.1	Ca_kabuli_chr01	40118839	CC	AA	1940143664
SNP_P1_18234_40119050	NC_021160.1	Ca_kabuli_chr01	40119050	CC	TT	1940143665
SNP_P1_18235_40122097	NC_021160.1	Ca_kabuli_chr01	40122097	GG	AA	1940143666
SNP_P1_18236_40122698	NC_021160.1	Ca_kabuli_chr01	40122698	CC	AA	1940143667
SNP_P1_18237_40122704	NC_021160.1	Ca_kabuli_chr01	40122704	AA	GG	1940143668
SNP_P1_18238_40123405	NC_021160.1	Ca_kabuli_chr01	40123405	GG	AA	1940143669
SNP_P1_18239_40123481	NC_021160.1	Ca_kabuli_chr01	40123481	CC	TT	1940143670
SNP_P1_18240_40125171	NC_021160.1	Ca_kabuli_chr01	40125171	CC	TT	1940143671
SNP_P1_18242_40126003	NC_021160.1	Ca_kabuli_chr01	40126003	AA	CC	1940143673
SNP_P1_18243_40126018	NC_021160.1	Ca_kabuli_chr01	40126018	GG	AA	1940143674
SNP_P1_18244_40126223	NC_021160.1	Ca_kabuli_chr01	40126223	TT	CC	1940143675

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18247_40129985	NC_021160.1	Ca_kabuli_chr01	40129985	CC	TT	1940143677
SNP_P1_18248_40132719	NC_021160.1	Ca_kabuli_chr01	40132719	CC	AA	1940143678
SNP_P1_18249_40134782	NC_021160.1	Ca_kabuli_chr01	40134782	GG	AA	1940143679
SNP_P1_18251_40136004	NC_021160.1	Ca_kabuli_chr01	40136004	GG	TT	1940143680
SNP_P1_18253_40139164	NC_021160.1	Ca_kabuli_chr01	40139164	TT	CC	1940143681
SNP_P1_18254_40141831	NC_021160.1	Ca_kabuli_chr01	40141831	AA	GG	1940143682
SNP_P1_18255_40141836	NC_021160.1	Ca_kabuli_chr01	40141836	CC	GG	1940143683
SNP_P1_18256_40141855	NC_021160.1	Ca_kabuli_chr01	40141855	TT	AA	1940143684
SNP_P1_18257_40141998	NC_021160.1	Ca_kabuli_chr01	40141998	AA	TT	1940143685
SNP_P1_18258_40142140	NC_021160.1	Ca_kabuli_chr01	40142140	TT	GG	1940143686
SNP_P1_18259_40142148	NC_021160.1	Ca_kabuli_chr01	40142148	AA	GG	1940143687
SNP_P1_18260_40142184	NC_021160.1	Ca_kabuli_chr01	40142184	TT	CC	1940143688
SNP_P1_18261_40142188	NC_021160.1	Ca_kabuli_chr01	40142188	AA	GG	1940143689
SNP_P1_18262_40142220	NC_021160.1	Ca_kabuli_chr01	40142220	GG	AA	1940143690
SNP_P1_18263_40142251	NC_021160.1	Ca_kabuli_chr01	40142251	TT	CC	1940143691
SNP_P1_18264_40142259	NC_021160.1	Ca_kabuli_chr01	40142259	TT	CC	1940143692
SNP_P1_18265_40142261	NC_021160.1	Ca_kabuli_chr01	40142261	GG	AA	1940143693
SNP_P1_18266_40142688	NC_021160.1	Ca_kabuli_chr01	40142688	AA	CC	1940143694
SNP_P1_18267_40144622	NC_021160.1	Ca_kabuli_chr01	40144622	AA	GG	1940143695
SNP_P1_18268_40144640	NC_021160.1	Ca_kabuli_chr01	40144640	AA	CC	1940143696
SNP_P1_18269_40144678	NC_021160.1	Ca_kabuli_chr01	40144678	AA	GG	1940143697
SNP_P1_18270_40144701	NC_021160.1	Ca_kabuli_chr01	40144701	AA	GG	1940143698
SNP_P1_18271_40145009	NC_021160.1	Ca_kabuli_chr01	40145009	GG	AA	1940143699
SNP_P1_18272_40145130	NC_021160.1	Ca_kabuli_chr01	40145130	CC	GG	1940143700
SNP_P1_18273_40145898	NC_021160.1	Ca_kabuli_chr01	40145898	AA	GG	1940143701
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SNP_P1_18275_40147522	NC_021160.1	Ca_kabuli_chr01	40147522	GG	AA	1940143703
SNP_P1_18276_40151214	NC_021160.1	Ca_kabuli_chr01	40151214	AA	GG	1940143704
SNP_P1_18277_40151278	NC_021160.1	Ca_kabuli_chr01	40151278	AA	CC	1940143705
SNP_P1_18278_40152039	NC_021160.1	Ca_kabuli_chr01	40152039	CC	TT	1940143706
SNP_P1_18279_40152742	NC_021160.1	Ca_kabuli_chr01	40152742	GG	AA	1940143707
SNP_P1_18280_40154725	NC_021160.1	Ca_kabuli_chr01	40154725	GG	TT	1940143708
SNP_P1_18281_40155764	NC_021160.1	Ca_kabuli_chr01	40155764	AA	GG	1940143709
SNP_P1_18282_40156033	NC_021160.1	Ca_kabuli_chr01	40156033	GG	AA	1940143710
SNP_P1_18283_40157567	NC_021160.1	Ca_kabuli_chr01	40157567	CC	TT	1940143711
SNP_P1_18284_40157573	NC_021160.1	Ca_kabuli_chr01	40157573	CC	TT	1940143712
SNP_P1_18285_40157663	NC_021160.1	Ca_kabuli_chr01	40157663	CC	TT	1940143713
SNP_P1_18286_40158294	NC_021160.1	Ca_kabuli_chr01	40158294	TT	GG	1940143714
SNP_P1_18287_40160252	NC_021160.1	Ca_kabuli_chr01	40160252	AA	GG	1940143716
SNP_P1_18288_40160494	NC_021160.1	Ca_kabuli_chr01	40160494	CC	TT	1940143717
SNP_P1_18289_40161091	NC_021160.1	Ca_kabuli_chr01	40161091	GG	AA	1940143718

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18291_40161972	NC_021160.1	Ca_kabuli_chr01	40161972	GG	TT	1940143720
SNP_P1_18292_40162086	NC_021160.1	Ca_kabuli_chr01	40162086	CC	TT	1940143721
SNP_P1_18293_40162980	NC_021160.1	Ca_kabuli_chr01	40162980	CC	TT	1940143722
SNP_P1_18294_40163362	NC_021160.1	Ca_kabuli_chr01	40163362	AA	TT	1940143723
SNP_P1_18295_40164962	NC_021160.1	Ca_kabuli_chr01	40164962	AA	GG	1940143724
SNP_P1_18296_40165567	NC_021160.1	Ca_kabuli_chr01	40165567	TT	CC	1940143725
SNP_P1_18297_40165771	NC_021160.1	Ca_kabuli_chr01	40165771	AA	GG	1940143726
SNP_P1_18299_40169800	NC_021160.1	Ca_kabuli_chr01	40169800	GG	AA	1940143727
SNP_P1_18300_40173094	NC_021160.1	Ca_kabuli_chr01	40173094	AA	CC	1940143728
SNP_P1_18301_40173297	NC_021160.1	Ca_kabuli_chr01	40173297	TT	GG	1940143729
SNP_P1_18302_40173370	NC_021160.1	Ca_kabuli_chr01	40173370	TT	CC	1940143730
SNP_P1_18303_40174360	NC_021160.1	Ca_kabuli_chr01	40174360	CC	AA	1940143731
SNP_P1_18304_40176033	NC_021160.1	Ca_kabuli_chr01	40176033	AA	GG	1940143732
SNP_P1_18305_40176045	NC_021160.1	Ca_kabuli_chr01	40176045	TT	CC	1940143733
SNP_P1_18306_40176607	NC_021160.1	Ca_kabuli_chr01	40176607	CC	TT	1940143734
SNP_P1_18307_40177133	NC_021160.1	Ca_kabuli_chr01	40177133	TT	AA	1940143735
SNP_P1_18308_40177196	NC_021160.1	Ca_kabuli_chr01	40177196	GG	TT	1940143736
SNP_P1_18309_40177990	NC_021160.1	Ca_kabuli_chr01	40177990	AA	GG	1940143737
SNP_P1_18310_40178235	NC_021160.1	Ca_kabuli_chr01	40178235	AA	CC	1940143738
SNP_P1_18311_40178289	NC_021160.1	Ca_kabuli_chr01	40178289	TT	AA	1940143739
SNP_P1_18312_40178291	NC_021160.1	Ca_kabuli_chr01	40178291	TT	AA	1940143740
SNP_P1_18314_40180155	NC_021160.1	Ca_kabuli_chr01	40180155	GG	AA	1940143741
SNP_P1_18315_40180814	NC_021160.1	Ca_kabuli_chr01	40180814	CC	TT	1940143742
SNP_P1_18316_40180815	NC_021160.1	Ca_kabuli_chr01	40180815	AA	TT	1940143743
SNP_P1_18317_40180823	NC_021160.1	Ca_kabuli_chr01	40180823	AA	GG	1940143744
SNP_P1_18318_40181445	NC_021160.1	Ca_kabuli_chr01	40181445	CC	TT	1940143745
SNP_P1_18319_40181514	NC_021160.1	Ca_kabuli_chr01	40181514	GG	AA	1940143746
SNP_P1_18320_40182329	NC_021160.1	Ca_kabuli_chr01	40182329	CC	TT	1940143747
SNP_P1_18321_40182362	NC_021160.1	Ca_kabuli_chr01	40182362	CC	TT	1940143748
SNP_P1_18322_40182564	NC_021160.1	Ca_kabuli_chr01	40182564	GG	AA	1940143749
SNP_P1_18323_40182594	NC_021160.1	Ca_kabuli_chr01	40182594	TT	CC	1940143750
SNP_P1_18324_40182649	NC_021160.1	Ca_kabuli_chr01	40182649	AA	GG	1940143751
SNP_P1_18325_40182693	NC_021160.1	Ca_kabuli_chr01	40182693	CC	TT	1940143752
SNP_P1_18326_40184177	NC_021160.1	Ca_kabuli_chr01	40184177	AA	GG	1940143754
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SNP_P1_18328_40185157	NC_021160.1	Ca_kabuli_chr01	40185157	CC	AA	1940143756
SNP_P1_18329_40185201	NC_021160.1	Ca_kabuli_chr01	40185201	AA	GG	1940143757
SNP_P1_18330_40185791	NC_021160.1	Ca_kabuli_chr01	40185791	CC	TT	1940143758
SNP_P1_18331_40186721	NC_021160.1	Ca_kabuli_chr01	40186721	AA	GG	1940143759
SNP_P1_18332_40188621	NC_021160.1	Ca_kabuli_chr01	40188621	CC	TT	1940143760
SNP_P1_18333_40188675	NC_021160.1	Ca_kabuli_chr01	40188675	TT	CC	1940143761

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18335_40189493	NC_021160.1	Ca_kabuli_chr01	40189493	AA	GG	1940143763
SNP_P1_18336_40193177	NC_021160.1	Ca_kabuli_chr01	40193177	CC	GG	1940143764
SNP_P1_18337_40193513	NC_021160.1	Ca_kabuli_chr01	40193513	TT	CC	1940143765
SNP_P1_18338_40194162	NC_021160.1	Ca_kabuli_chr01	40194162	CC	TT	1940143766
SNP_P1_18341_40206927	NC_021160.1	Ca_kabuli_chr01	40206927	AA	GG	1940143767
SNP_P1_18342_40207091	NC_021160.1	Ca_kabuli_chr01	40207091	AA	GG	1940143768
SNP_P1_18343_40207114	NC_021160.1	Ca_kabuli_chr01	40207114	TT	GG	1940143769
SNP_P1_18344_40207386	NC_021160.1	Ca_kabuli_chr01	40207386	CC	TT	1940143770
SNP_P1_18345_40207430	NC_021160.1	Ca_kabuli_chr01	40207430	TT	CC	1940143771
SNP_P1_18346_40207439	NC_021160.1	Ca_kabuli_chr01	40207439	GG	AA	1940143772
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SNP_P1_18348_40209170	NC_021160.1	Ca_kabuli_chr01	40209170	TT	GG	1940143774
SNP_P1_18349_40209225	NC_021160.1	Ca_kabuli_chr01	40209225	TT	CC	1940143775
SNP_P1_18350_40209291	NC_021160.1	Ca_kabuli_chr01	40209291	GG	AA	1940143776
SNP_P1_18351_40209296	NC_021160.1	Ca_kabuli_chr01	40209296	TT	CC	1940143777
SNP_P1_18352_40209315	NC_021160.1	Ca_kabuli_chr01	40209315	TT	CC	1940143778
SNP_P1_18353_40209338	NC_021160.1	Ca_kabuli_chr01	40209338	AA	GG	1940143779
SNP_P1_18354_40209340	NC_021160.1	Ca_kabuli_chr01	40209340	CC	AA	1940143780
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SNP_P1_18363_40214292	NC_021160.1	Ca_kabuli_chr01	40214292	GG	AA	1940143790
SNP_P1_18364_40214294	NC_021160.1	Ca_kabuli_chr01	40214294	CC	TT	1940143791
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SNP_P1_18366_40216012	NC_021160.1	Ca_kabuli_chr01	40216012	GG	AA	1940143793
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SNP_P1_18368_40216401	NC_021160.1	Ca_kabuli_chr01	40216401	TT	CC	1940143795
SNP_P1_18370_40216728	NC_021160.1	Ca_kabuli_chr01	40216728	TT	GG	1940143796
SNP_P1_18371_40216806	NC_021160.1	Ca_kabuli_chr01	40216806	CC	TT	1940143797
SNP_P1_18372_40216973	NC_021160.1	Ca_kabuli_chr01	40216973	CC	TT	1940143798
SNP_P1_18373_40217713	NC_021160.1	Ca_kabuli_chr01	40217713	GG	AA	1940143799
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SNP_P1_18375_40218331	NC_021160.1	Ca_kabuli_chr01	40218331	AA	TT	1940143802
SNP_P1_18376_40218390	NC_021160.1	Ca_kabuli_chr01	40218390	AA	GG	1940143803
SNP_P1_18377_40218531	NC_021160.1	Ca_kabuli_chr01	40218531	GG	TT	1940143804
SNP_P1_18379_40219629	NC_021160.1	Ca_kabuli_chr01	40219629	GG	AA	1940143805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18382_40222974	NC_021160.1	Ca_kabuli_chr01	40222974	GG	AA	1940143808
SNP_P1_18383_40223091	NC_021160.1	Ca_kabuli_chr01	40223091	CC	TT	1940143809
SNP_P1_18384_40223377	NC_021160.1	Ca_kabuli_chr01	40223377	GG	AA	1940143810
SNP_P1_18385_40223425	NC_021160.1	Ca_kabuli_chr01	40223425	CC	TT	1940143811
SNP_P1_18386_40223512	NC_021160.1	Ca_kabuli_chr01	40223512	AA	GG	1940143812
SNP_P1_18387_40223559	NC_021160.1	Ca_kabuli_chr01	40223559	TT	AA	1940143813
SNP_P1_18388_40223598	NC_021160.1	Ca_kabuli_chr01	40223598	AA	GG	1940143815
SNP_P1_18389_40223612	NC_021160.1	Ca_kabuli_chr01	40223612	TT	GG	1940143816
SNP_P1_18390_40223832	NC_021160.1	Ca_kabuli_chr01	40223832	TT	CC	1940143817
SNP_P1_18392_40224173	NC_021160.1	Ca_kabuli_chr01	40224173	AA	CC	1940143818
SNP_P1_18393_40224804	NC_021160.1	Ca_kabuli_chr01	40224804	AA	GG	1940143819
SNP_P1_18395_40226225	NC_021160.1	Ca_kabuli_chr01	40226225	TT	CC	1940143820
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SNP_P1_18398_40229855	NC_021160.1	Ca_kabuli_chr01	40229855	TT	AA	1940143823
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SNP_P1_18401_40230676	NC_021160.1	Ca_kabuli_chr01	40230676	GG	AA	1940143826
SNP_P1_18402_40230708	NC_021160.1	Ca_kabuli_chr01	40230708	AA	GG	1940143827
SNP_P1_18403_40230724	NC_021160.1	Ca_kabuli_chr01	40230724	AA	GG	1940143828
SNP_P1_18404_40230753	NC_021160.1	Ca_kabuli_chr01	40230753	AA	GG	1940143829
SNP_P1_18405_40230760	NC_021160.1	Ca_kabuli_chr01	40230760	AA	GG	1940143830
SNP_P1_18406_40231498	NC_021160.1	Ca_kabuli_chr01	40231498	TT	GG	1940143831
SNP_P1_18407_40231501	NC_021160.1	Ca_kabuli_chr01	40231501	GG	TT	1940143832
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SNP_P1_18411_40233354	NC_021160.1	Ca_kabuli_chr01	40233354	GG	AA	1940143834
SNP_P1_18413_40236504	NC_021160.1	Ca_kabuli_chr01	40236504	AA	TT	1940143835
SNP_P1_18416_40247844	NC_021160.1	Ca_kabuli_chr01	40247844	AA	GG	1940143836
SNP_P1_18417_40248120	NC_021160.1	Ca_kabuli_chr01	40248120	CC	AA	1940143837
SNP_P1_18418_40248499	NC_021160.1	Ca_kabuli_chr01	40248499	CC	TT	1940143838
SNP_P1_18419_40248694	NC_021160.1	Ca_kabuli_chr01	40248694	AA	GG	1940143839
SNP_P1_18420_40248934	NC_021160.1	Ca_kabuli_chr01	40248934	AA	GG	1940143840
SNP_P1_18421_40251057	NC_021160.1	Ca_kabuli_chr01	40251057	CC	AA	1940143841
SNP_P1_18423_40252377	NC_021160.1	Ca_kabuli_chr01	40252377	TT	CC	1940143842
SNP_P1_18424_40252396	NC_021160.1	Ca_kabuli_chr01	40252396	CC	TT	1940143843
SNP_P1_18425_40252427	NC_021160.1	Ca_kabuli_chr01	40252427	CC	AA	1940143844
SNP_P1_18426_40252440	NC_021160.1	Ca_kabuli_chr01	40252440	CC	TT	1940143845
SNP_P1_18427_40252560	NC_021160.1	Ca_kabuli_chr01	40252560	AA	GG	1940143846
SNP_P1_18428_40252596	NC_021160.1	Ca_kabuli_chr01	40252596	TT	CC	1940143848
SNP_P1_18429_40252797	NC_021160.1	Ca_kabuli_chr01	40252797	AA	CC	1940143849

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18431_40256950	NC_021160.1	Ca_kabuli_chr01	40256950	TT	CC	1940143851
SNP_P1_18432_40257035	NC_021160.1	Ca_kabuli_chr01	40257035	GG	TT	1940143852
SNP_P1_18433_40257220	NC_021160.1	Ca_kabuli_chr01	40257220	GG	AA	1940143853
SNP_P1_18434_40257496	NC_021160.1	Ca_kabuli_chr01	40257496	TT	CC	1940143854
SNP_P1_18435_40258195	NC_021160.1	Ca_kabuli_chr01	40258195	TT	CC	1940143855
SNP_P1_18436_40258419	NC_021160.1	Ca_kabuli_chr01	40258419	TT	CC	1940143856
SNP_P1_18437_40258471	NC_021160.1	Ca_kabuli_chr01	40258471	GG	AA	1940143857
SNP_P1_18438_40258656	NC_021160.1	Ca_kabuli_chr01	40258656	CC	TT	1940143858
SNP_P1_18439_40258663	NC_021160.1	Ca_kabuli_chr01	40258663	GG	AA	1940143859
SNP_P1_18440_40258799	NC_021160.1	Ca_kabuli_chr01	40258799	GG	AA	1940143860
SNP_P1_18441_40259842	NC_021160.1	Ca_kabuli_chr01	40259842	CC	TT	1940143861
SNP_P1_18443_40260136	NC_021160.1	Ca_kabuli_chr01	40260136	TT	AA	1940143862
SNP_P1_18444_40260262	NC_021160.1	Ca_kabuli_chr01	40260262	TT	CC	1940143863
SNP_P1_18445_40260777	NC_021160.1	Ca_kabuli_chr01	40260777	AA	GG	1940143864
SNP_P1_18446_40262447	NC_021160.1	Ca_kabuli_chr01	40262447	GG	AA	1940143865
SNP_P1_18447_40262641	NC_021160.1	Ca_kabuli_chr01	40262641	AA	GG	1940143866
SNP_P1_18448_40262948	NC_021160.1	Ca_kabuli_chr01	40262948	AA	GG	1940143867
SNP_P1_18449_40263161	NC_021160.1	Ca_kabuli_chr01	40263161	TT	CC	1940143868
SNP_P1_18450_40263521	NC_021160.1	Ca_kabuli_chr01	40263521	GG	CC	1940143869
SNP_P1_18451_40263791	NC_021160.1	Ca_kabuli_chr01	40263791	CC	AA	1940143870
SNP_P1_18452_40264100	NC_021160.1	Ca_kabuli_chr01	40264100	TT	CC	1940143871
SNP_P1_18453_40264164	NC_021160.1	Ca_kabuli_chr01	40264164	GG	AA	1940143872
SNP_P1_18454_40264168	NC_021160.1	Ca_kabuli_chr01	40264168	TT	CC	1940143873
SNP_P1_18455_40266441	NC_021160.1	Ca_kabuli_chr01	40266441	CC	TT	1940143874
SNP_P1_18456_40266519	NC_021160.1	Ca_kabuli_chr01	40266519	CC	TT	1940143875
SNP_P1_18457_40266571	NC_021160.1	Ca_kabuli_chr01	40266571	CC	TT	1940143876
SNP_P1_18458_40266584	NC_021160.1	Ca_kabuli_chr01	40266584	AA	GG	1940143877
SNP_P1_18459_40266714	NC_021160.1	Ca_kabuli_chr01	40266714	CC	AA	1940143878
SNP_P1_18460_40266726	NC_021160.1	Ca_kabuli_chr01	40266726	AA	GG	1940143879
SNP_P1_18461_40266737	NC_021160.1	Ca_kabuli_chr01	40266737	TT	CC	1940143880
SNP_P1_18462_40266745	NC_021160.1	Ca_kabuli_chr01	40266745	AA	GG	1940143881
SNP_P1_18464_40266918	NC_021160.1	Ca_kabuli_chr01	40266918	CC	GG	1940143882
SNP_P1_18465_40267375	NC_021160.1	Ca_kabuli_chr01	40267375	AA	GG	1940143883
SNP_P1_18466_40267680	NC_021160.1	Ca_kabuli_chr01	40267680	AA	GG	1940143884
SNP_P1_18467_40272449	NC_021160.1	Ca_kabuli_chr01	40272449	GG	AA	1940143886
SNP_P1_18468_40272532	NC_021160.1	Ca_kabuli_chr01	40272532	TT	CC	1940143887
SNP_P1_18469_40273311	NC_021160.1	Ca_kabuli_chr01	40273311	GG	TT	1940143888
SNP_P1_18470_40277269	NC_021160.1	Ca_kabuli_chr01	40277269	CC	TT	1940143889
SNP_P1_18471_40277739	NC_021160.1	Ca_kabuli_chr01	40277739	TT	AA	1940143890
SNP_P1_18472_40278067	NC_021160.1	Ca_kabuli_chr01	40278067	CC	GG	1940143891
SNP_P1_18474_40278965	NC_021160.1	Ca_kabuli_chr01	40278965	CC	AA	1940143892

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18476_40279457	NC_021160.1	Ca_kabuli_chr01	40279457	CC	GG	1940143894
SNP_P1_18477_40280860	NC_021160.1	Ca_kabuli_chr01	40280860	TT	AA	1940143895
SNP_P1_18478_40281831	NC_021160.1	Ca_kabuli_chr01	40281831	GG	TT	1940143896
SNP_P1_18479_40282026	NC_021160.1	Ca_kabuli_chr01	40282026	AA	GG	1940143897
SNP_P1_18480_40282330	NC_021160.1	Ca_kabuli_chr01	40282330	AA	GG	1940143898
SNP_P1_18481_40282446	NC_021160.1	Ca_kabuli_chr01	40282446	GG	AA	1940143899
SNP_P1_18482_40282448	NC_021160.1	Ca_kabuli_chr01	40282448	AA	CC	1940143900
SNP_P1_18483_40282719	NC_021160.1	Ca_kabuli_chr01	40282719	GG	CC	1940143901
SNP_P1_18484_40282720	NC_021160.1	Ca_kabuli_chr01	40282720	CC	AA	1940143902
SNP_P1_18485_40295831	NC_021160.1	Ca_kabuli_chr01	40295831	TT	AA	1940143903
SNP_P1_18486_40296085	NC_021160.1	Ca_kabuli_chr01	40296085	TT	CC	1940143904
SNP_P1_18487_40296205	NC_021160.1	Ca_kabuli_chr01	40296205	TT	CC	1940143905
SNP_P1_18488_40296223	NC_021160.1	Ca_kabuli_chr01	40296223	GG	AA	1940143906
SNP_P1_18489_40296517	NC_021160.1	Ca_kabuli_chr01	40296517	TT	GG	1940143907
SNP_P1_18490_40296840	NC_021160.1	Ca_kabuli_chr01	40296840	GG	AA	1940143908
SNP_P1_18491_40296858	NC_021160.1	Ca_kabuli_chr01	40296858	GG	AA	1940143909
SNP_P1_18492_40296999	NC_021160.1	Ca_kabuli_chr01	40296999	GG	AA	1940143911
SNP_P1_18493_40297327	NC_021160.1	Ca_kabuli_chr01	40297327	TT	CC	1940143912
SNP_P1_18495_40297522	NC_021160.1	Ca_kabuli_chr01	40297522	AA	GG	1940143913
SNP_P1_18498_40298691	NC_021160.1	Ca_kabuli_chr01	40298691	CC	GG	1940143914
SNP_P1_18499_40298843	NC_021160.1	Ca_kabuli_chr01	40298843	TT	GG	1940143915
SNP_P1_18500_40298844	NC_021160.1	Ca_kabuli_chr01	40298844	AA	TT	1940143916
SNP_P1_18501_40298866	NC_021160.1	Ca_kabuli_chr01	40298866	CC	TT	1940143917
SNP_P1_18502_40298894	NC_021160.1	Ca_kabuli_chr01	40298894	AA	TT	1940143918
SNP_P1_18503_40299458	NC_021160.1	Ca_kabuli_chr01	40299458	TT	CC	1940143919
SNP_P1_18504_40299654	NC_021160.1	Ca_kabuli_chr01	40299654	TT	CC	1940143920
SNP_P1_18505_40300246	NC_021160.1	Ca_kabuli_chr01	40300246	TT	GG	1940143921
SNP_P1_18506_40300397	NC_021160.1	Ca_kabuli_chr01	40300397	GG	AA	1940143922
SNP_P1_18507_40300516	NC_021160.1	Ca_kabuli_chr01	40300516	GG	AA	1940143923
SNP_P1_18508_40300692	NC_021160.1	Ca_kabuli_chr01	40300692	TT	GG	1940143924
SNP_P1_18509_40301262	NC_021160.1	Ca_kabuli_chr01	40301262	GG	TT	1940143925
SNP_P1_18510_40301265	NC_021160.1	Ca_kabuli_chr01	40301265	TT	GG	1940143926
SNP_P1_18511_40301652	NC_021160.1	Ca_kabuli_chr01	40301652	AA	CC	1940143927
SNP_P1_18512_40302542	NC_021160.1	Ca_kabuli_chr01	40302542	GG	CC	1940143928
SNP_P1_18513_40302599	NC_021160.1	Ca_kabuli_chr01	40302599	GG	TT	1940143929
SNP_P1_18514_40302619	NC_021160.1	Ca_kabuli_chr01	40302619	TT	CC	1940143930
SNP_P1_18515_40302644	NC_021160.1	Ca_kabuli_chr01	40302644	GG	TT	1940143931
SNP_P1_18516_40302787	NC_021160.1	Ca_kabuli_chr01	40302787	TT	CC	1940143932
SNP_P1_18517_40303212	NC_021160.1	Ca_kabuli_chr01	40303212	GG	AA	1940143933
SNP_P1_18518_40303408	NC_021160.1	Ca_kabuli_chr01	40303408	AA	CC	1940143934
SNP_P1_18519_40303545	NC_021160.1	Ca_kabuli_chr01	40303545	TT	CC	1940143935

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18521_40303570	NC_021160.1	Ca_kabuli_chr01	40303570	GG	AA	1940143937
SNP_P1_18522_40303631	NC_021160.1	Ca_kabuli_chr01	40303631	GG	AA	1940143938
SNP_P1_18524_40304186	NC_021160.1	Ca_kabuli_chr01	40304186	TT	AA	1940143939
SNP_P1_18525_40304335	NC_021160.1	Ca_kabuli_chr01	40304335	GG	AA	1940143940
SNP_P1_18527_40312382	NC_021160.1	Ca_kabuli_chr01	40312382	TT	CC	1940143941
SNP_P1_18528_40312397	NC_021160.1	Ca_kabuli_chr01	40312397	TT	GG	1940143942
SNP_P1_18529_40312399	NC_021160.1	Ca_kabuli_chr01	40312399	AA	GG	1940143943
SNP_P1_18530_40312535	NC_021160.1	Ca_kabuli_chr01	40312535	TT	CC	1940143944
SNP_P1_18533_40312783	NC_021160.1	Ca_kabuli_chr01	40312783	AA	TT	1940143946
SNP_P1_18534_40314584	NC_021160.1	Ca_kabuli_chr01	40314584	TT	AA	1940143947
SNP_P1_18535_40315119	NC_021160.1	Ca_kabuli_chr01	40315119	CC	TT	1940143948
SNP_P1_18536_40319163	NC_021160.1	Ca_kabuli_chr01	40319163	AA	GG	1940143949
SNP_P1_18537_40319704	NC_021160.1	Ca_kabuli_chr01	40319704	GG	AA	1940143950
SNP_P1_18538_40319802	NC_021160.1	Ca_kabuli_chr01	40319802	GG	AA	1940143951
SNP_P1_18539_40319803	NC_021160.1	Ca_kabuli_chr01	40319803	AA	GG	1940143952
SNP_P1_18540_40319839	NC_021160.1	Ca_kabuli_chr01	40319839	AA	GG	1940143953
SNP_P1_18541_40320157	NC_021160.1	Ca_kabuli_chr01	40320157	TT	AA	1940143954
SNP_P1_18542_40320184	NC_021160.1	Ca_kabuli_chr01	40320184	TT	CC	1940143955
SNP_P1_18543_40320981	NC_021160.1	Ca_kabuli_chr01	40320981	TT	GG	1940143956
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SNP_P1_18545_40321679	NC_021160.1	Ca_kabuli_chr01	40321679	TT	AA	1940143958
SNP_P1_18546_40321686	NC_021160.1	Ca_kabuli_chr01	40321686	CC	TT	1940143959
SNP_P1_18547_40321989	NC_021160.1	Ca_kabuli_chr01	40321989	AA	GG	1940143960
SNP_P1_18548_40322436	NC_021160.1	Ca_kabuli_chr01	40322436	TT	AA	1940143961
SNP_P1_18549_40322826	NC_021160.1	Ca_kabuli_chr01	40322826	CC	TT	1940143962
SNP_P1_18550_40325034	NC_021160.1	Ca_kabuli_chr01	40325034	GG	AA	1940143963
SNP_P1_18551_40325184	NC_021160.1	Ca_kabuli_chr01	40325184	GG	TT	1940143964
SNP_P1_18552_40325200	NC_021160.1	Ca_kabuli_chr01	40325200	CC	TT	1940143965
SNP_P1_18553_40325269	NC_021160.1	Ca_kabuli_chr01	40325269	TT	AA	1940143966
SNP_P1_18554_40325290	NC_021160.1	Ca_kabuli_chr01	40325290	GG	AA	1940143967
SNP_P1_18555_40325479	NC_021160.1	Ca_kabuli_chr01	40325479	AA	GG	1940143968
SNP_P1_18556_40325541	NC_021160.1	Ca_kabuli_chr01	40325541	TT	CC	1940143969
SNP_P1_18557_40325968	NC_021160.1	Ca_kabuli_chr01	40325968	CC	AA	1940143970
SNP_P1_18558_40325993	NC_021160.1	Ca_kabuli_chr01	40325993	AA	GG	1940143971
SNP_P1_18559_40326831	NC_021160.1	Ca_kabuli_chr01	40326831	AA	TT	1940143972
SNP_P1_18560_40327106	NC_021160.1	Ca_kabuli_chr01	40327106	TT	AA	1940143973
SNP_P1_18561_40327188	NC_021160.1	Ca_kabuli_chr01	40327188	CC	AA	1940143974
SNP_P1_18562_40327192	NC_021160.1	Ca_kabuli_chr01	40327192	AA	CC	1940143975
SNP_P1_18563_40327346	NC_021160.1	Ca_kabuli_chr01	40327346	AA	GG	1940143976
SNP_P1_18564_40327369	NC_021160.1	Ca_kabuli_chr01	40327369	TT	CC	1940143977
SNP_P1_18565_40327377	NC_021160.1	Ca_kabuli_chr01	40327377	AA	GG	1940143978

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18568_40327437	NC_021160.1	Ca_kabuli_chr01	40327437	AA	GG	1940143982
SNP_P1_18570_40329341	NC_021160.1	Ca_kabuli_chr01	40329341	CC	TT	1940143983
SNP_P1_18571_40329458	NC_021160.1	Ca_kabuli_chr01	40329458	CC	TT	1940143984
SNP_P1_18572_40329479	NC_021160.1	Ca_kabuli_chr01	40329479	GG	AA	1940143985
SNP_P1_18573_40329574	NC_021160.1	Ca_kabuli_chr01	40329574	AA	GG	1940143986
SNP_P1_18574_40329728	NC_021160.1	Ca_kabuli_chr01	40329728	AA	CC	1940143987
SNP_P1_18575_40330777	NC_021160.1	Ca_kabuli_chr01	40330777	AA	TT	1940143988
SNP_P1_18576_40330981	NC_021160.1	Ca_kabuli_chr01	40330981	AA	GG	1940143989
SNP_P1_18577_40332968	NC_021160.1	Ca_kabuli_chr01	40332968	CC	TT	1940143990
SNP_P1_18578_40333255	NC_021160.1	Ca_kabuli_chr01	40333255	CC	TT	1940143991
SNP_P1_18579_40334270	NC_021160.1	Ca_kabuli_chr01	40334270	GG	AA	1940143992
SNP_P1_18580_40335668	NC_021160.1	Ca_kabuli_chr01	40335668	CC	TT	1940143993
SNP_P1_18582_40337376	NC_021160.1	Ca_kabuli_chr01	40337376	CC	AA	1940143994
SNP_P1_18583_40337602	NC_021160.1	Ca_kabuli_chr01	40337602	TT	CC	1940143995
SNP_P1_18584_40337695	NC_021160.1	Ca_kabuli_chr01	40337695	CC	AA	1940143996
SNP_P1_18586_40338683	NC_021160.1	Ca_kabuli_chr01	40338683	GG	AA	1940143997
SNP_P1_18587_40339709	NC_021160.1	Ca_kabuli_chr01	40339709	CC	TT	1940143998
SNP_P1_18588_40340645	NC_021160.1	Ca_kabuli_chr01	40340645	CC	TT	1940143999
SNP_P1_18589_40340791	NC_021160.1	Ca_kabuli_chr01	40340791	TT	CC	1940144000
SNP_P1_18590_40341036	NC_021160.1	Ca_kabuli_chr01	40341036	CC	TT	1940144001
SNP_P1_18591_40341092	NC_021160.1	Ca_kabuli_chr01	40341092	AA	TT	1940144002
SNP_P1_18592_40341127	NC_021160.1	Ca_kabuli_chr01	40341127	AA	CC	1940144003
SNP_P1_18593_40343424	NC_021160.1	Ca_kabuli_chr01	40343424	AA	CC	1940144004
SNP_P1_18594_40347783	NC_021160.1	Ca_kabuli_chr01	40347783	AA	GG	1940144005
SNP_P1_18595_40348670	NC_021160.1	Ca_kabuli_chr01	40348670	TT	CC	1940144006
SNP_P1_18596_40348746	NC_021160.1	Ca_kabuli_chr01	40348746	TT	AA	1940144007
SNP_P1_18597_40348803	NC_021160.1	Ca_kabuli_chr01	40348803	GG	AA	1940144008
SNP_P1_18598_40350169	NC_021160.1	Ca_kabuli_chr01	40350169	AA	GG	1940144009
SNP_P1_18599_40354887	NC_021160.1	Ca_kabuli_chr01	40354887	CC	GG	1940144010
SNP_P1_18600_40354916	NC_021160.1	Ca_kabuli_chr01	40354916	GG	AA	1940144011
SNP_P1_18601_40355208	NC_021160.1	Ca_kabuli_chr01	40355208	AA	TT	1940144012
SNP_P1_18602_40355864	NC_021160.1	Ca_kabuli_chr01	40355864	GG	CC	1940144013
SNP_P1_18603_40356019	NC_021160.1	Ca_kabuli_chr01	40356019	CC	TT	1940144015
SNP_P1_18604_40356261	NC_021160.1	Ca_kabuli_chr01	40356261	AA	GG	1940144016
SNP_P1_18605_40357098	NC_021160.1	Ca_kabuli_chr01	40357098	AA	GG	1940144017
SNP_P1_18606_40357218	NC_021160.1	Ca_kabuli_chr01	40357218	AA	TT	1940144018
SNP_P1_18608_40358747	NC_021160.1	Ca_kabuli_chr01	40358747	TT	GG	1940144019
SNP_P1_18609_40359011	NC_021160.1	Ca_kabuli_chr01	40359011	GG	AA	1940144020
SNP_P1_18610_40359022	NC_021160.1	Ca_kabuli_chr01	40359022	CC	AA	1940144021
SNP_P1_18611_40359240	NC_021160.1	Ca_kabuli_chr01	40359240	TT	AA	1940144022

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_18612_40359244	NC_021160.1	Ca_kabuli_chr01	40359244	CC	TT	1940144023
SNP_P1_18613_40359450	NC_021160.1	Ca_kabuli_chr01	40359450	TT	CC	1940144024
SNP_P1_18614_40359525	NC_021160.1	Ca_kabuli_chr01	40359525	TT	AA	1940144025
SNP_P1_18615_40361515	NC_021160.1	Ca_kabuli_chr01	40361515	CC	TT	1940144026
SNP_P1_18616_40363009	NC_021160.1	Ca_kabuli_chr01	40363009	AA	GG	1940144027
SNP_P1_18618_40363822	NC_021160.1	Ca_kabuli_chr01	40363822	AA	CC	1940144028
SNP_P1_18619_40364015	NC_021160.1	Ca_kabuli_chr01	40364015	AA	GG	1940144029
SNP_P1_18620_40364324	NC_021160.1	Ca_kabuli_chr01	40364324	CC	TT	1940144030
SNP_P1_18621_40365105	NC_021160.1	Ca_kabuli_chr01	40365105	AA	CC	1940144031
SNP_P1_18622_40365778	NC_021160.1	Ca_kabuli_chr01	40365778	TT	CC	1940144032
SNP_P1_18624_40367495	NC_021160.1	Ca_kabuli_chr01	40367495	AA	GG	1940144033
SNP_P1_18625_40367523	NC_021160.1	Ca_kabuli_chr01	40367523	TT	AA	1940144034
SNP_P1_18626_40367634	NC_021160.1	Ca_kabuli_chr01	40367634	TT	CC	1940144035
SNP_P1_18627_40370101	NC_021160.1	Ca_kabuli_chr01	40370101	AA	GG	1940144036
SNP_P1_18628_40370137	NC_021160.1	Ca_kabuli_chr01	40370137	TT	CC	1940144037
SNP_P1_18629_40373673	NC_021160.1	Ca_kabuli_chr01	40373673	AA	GG	1940144038
SNP_P1_18630_40373860	NC_021160.1	Ca_kabuli_chr01	40373860	TT	AA	1940144040
SNP_P1_18632_40374081	NC_021160.1	Ca_kabuli_chr01	40374081	AA	TT	1940144041
SNP_P1_18635_40391637	NC_021160.1	Ca_kabuli_chr01	40391637	CC	GG	1940144042
SNP_P1_18636_40391814	NC_021160.1	Ca_kabuli_chr01	40391814	GG	AA	1940144043
SNP_P1_18637_40391821	NC_021160.1	Ca_kabuli_chr01	40391821	TT	CC	1940144044
SNP_P1_18638_40391919	NC_021160.1	Ca_kabuli_chr01	40391919	TT	CC	1940144045
SNP_P1_18639_40392220	NC_021160.1	Ca_kabuli_chr01	40392220	GG	TT	1940144046
SNP_P1_18640_40392545	NC_021160.1	Ca_kabuli_chr01	40392545	AA	TT	1940144047
SNP_P1_18641_40392593	NC_021160.1	Ca_kabuli_chr01	40392593	TT	AA	1940144048
SNP_P1_18642_40392889	NC_021160.1	Ca_kabuli_chr01	40392889	CC	AA	1940144049
SNP_P1_18644_40393681	NC_021160.1	Ca_kabuli_chr01	40393681	AA	GG	1940144050
SNP_P1_18645_40393731	NC_021160.1	Ca_kabuli_chr01	40393731	CC	AA	1940144051
SNP_P1_18646_40394605	NC_021160.1	Ca_kabuli_chr01	40394605	CC	AA	1940144052
SNP_P1_18647_40395021	NC_021160.1	Ca_kabuli_chr01	40395021	CC	TT	1940144053
SNP_P1_18648_40395366	NC_021160.1	Ca_kabuli_chr01	40395366	AA	GG	1940144054
SNP_P1_18649_40395373	NC_021160.1	Ca_kabuli_chr01	40395373	AA	GG	1940144055
SNP_P1_18650_40396244	NC_021160.1	Ca_kabuli_chr01	40396244	GG	AA	1940144056
SNP_P1_18651_40396470	NC_021160.1	Ca_kabuli_chr01	40396470	GG	TT	1940144057
SNP_P1_18652_40396513	NC_021160.1	Ca_kabuli_chr01	40396513	AA	GG	1940144058
SNP_P1_18653_40396751	NC_021160.1	Ca_kabuli_chr01	40396751	TT	AA	1940144059
SNP_P1_18654_40396794	NC_021160.1	Ca_kabuli_chr01	40396794	TT	GG	1940144060
SNP_P1_18655_40397220	NC_021160.1	Ca_kabuli_chr01	40397220	TT	CC	1940144061
SNP_P1_18656_40397232	NC_021160.1	Ca_kabuli_chr01	40397232	AA	GG	1940144062
SNP_P1_18657_40397237	NC_021160.1	Ca_kabuli_chr01	40397237	TT	CC	1940144063
SNP_P1_18658_40397474	NC_021160.1	Ca_kabuli_chr01	40397474	TT	GG	1940144064
SNP_P1_18659_40397798	NC_021160.1	Ca_kabuli_chr01	40397798	TT	AA	1940144065

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18661_40398123	NC_021160.1	Ca_kabuli_chr01	40398123	CC	TT	1940144067
SNP_P1_18662_40398163	NC_021160.1	Ca_kabuli_chr01	40398163	GG	TT	1940144068
SNP_P1_18663_40398256	NC_021160.1	Ca_kabuli_chr01	40398256	AA	TT	1940144069
SNP_P1_18664_40398371	NC_021160.1	Ca_kabuli_chr01	40398371	AA	CC	1940144070
SNP_P1_18666_40398393	NC_021160.1	Ca_kabuli_chr01	40398393	GG	AA	1940144071
SNP_P1_18667_40398405	NC_021160.1	Ca_kabuli_chr01	40398405	AA	CC	1940144072
SNP_P1_18668_40398414	NC_021160.1	Ca_kabuli_chr01	40398414	TT	AA	1940144073
SNP_P1_18669_40399269	NC_021160.1	Ca_kabuli_chr01	40399269	GG	AA	1940144074
SNP_P1_18670_40399366	NC_021160.1	Ca_kabuli_chr01	40399366	GG	CC	1940144075
SNP_P1_18671_40399504	NC_021160.1	Ca_kabuli_chr01	40399504	TT	AA	1940144076
SNP_P1_18672_40401927	NC_021160.1	Ca_kabuli_chr01	40401927	GG	CC	1940144077
SNP_P1_18673_40401933	NC_021160.1	Ca_kabuli_chr01	40401933	TT	CC	1940144078
SNP_P1_18674_40401972	NC_021160.1	Ca_kabuli_chr01	40401972	TT	CC	1940144080
SNP_P1_18675_40402105	NC_021160.1	Ca_kabuli_chr01	40402105	TT	CC	1940144081
SNP_P1_18676_40402129	NC_021160.1	Ca_kabuli_chr01	40402129	GG	AA	1940144082
SNP_P1_18677_40402146	NC_021160.1	Ca_kabuli_chr01	40402146	CC	TT	1940144083
SNP_P1_18678_40402364	NC_021160.1	Ca_kabuli_chr01	40402364	AA	GG	1940144084
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SNP_P1_18680_40402454	NC_021160.1	Ca_kabuli_chr01	40402454	TT	CC	1940144086
SNP_P1_18681_40404595	NC_021160.1	Ca_kabuli_chr01	40404595	GG	TT	1940144087
SNP_P1_18682_40404653	NC_021160.1	Ca_kabuli_chr01	40404653	AA	GG	1940144088
SNP_P1_18683_40404674	NC_021160.1	Ca_kabuli_chr01	40404674	GG	AA	1940144089
SNP_P1_18684_40405008	NC_021160.1	Ca_kabuli_chr01	40405008	GG	AA	1940144090
SNP_P1_18685_40405036	NC_021160.1	Ca_kabuli_chr01	40405036	TT	CC	1940144091
SNP_P1_18686_40405803	NC_021160.1	Ca_kabuli_chr01	40405803	CC	TT	1940144092
SNP_P1_18687_40405806	NC_021160.1	Ca_kabuli_chr01	40405806	CC	GG	1940144093
SNP_P1_18688_40406226	NC_021160.1	Ca_kabuli_chr01	40406226	AA	GG	1940144094
SNP_P1_18689_40406378	NC_021160.1	Ca_kabuli_chr01	40406378	AA	GG	1940144095
SNP_P1_18690_40406408	NC_021160.1	Ca_kabuli_chr01	40406408	TT	GG	1940144096
SNP_P1_18691_40406735	NC_021160.1	Ca_kabuli_chr01	40406735	TT	CC	1940144097
SNP_P1_18692_40407424	NC_021160.1	Ca_kabuli_chr01	40407424	TT	CC	1940144098
SNP_P1_18693_40407425	NC_021160.1	Ca_kabuli_chr01	40407425	TT	AA	1940144099
SNP_P1_18695_40408549	NC_021160.1	Ca_kabuli_chr01	40408549	GG	AA	1940144100
SNP_P1_18697_40408979	NC_021160.1	Ca_kabuli_chr01	40408979	TT	GG	1940144101
SNP_P1_18698_40409170	NC_021160.1	Ca_kabuli_chr01	40409170	CC	TT	1940144102
SNP_P1_18699_40410074	NC_021160.1	Ca_kabuli_chr01	40410074	TT	CC	1940144103
SNP_P1_18700_40411851	NC_021160.1	Ca_kabuli_chr01	40411851	GG	TT	1940144104
SNP_P1_18701_40411861	NC_021160.1	Ca_kabuli_chr01	40411861	GG	AA	1940144105
SNP_P1_18702_40412065	NC_021160.1	Ca_kabuli_chr01	40412065	AA	GG	1940144106
SNP_P1_18703_40412460	NC_021160.1	Ca_kabuli_chr01	40412460	TT	CC	1940144107
SNP_P1_18704_40412513	NC_021160.1	Ca_kabuli_chr01	40412513	AA	TT	1940144108

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18706_40412572	NC_021160.1	Ca_kabuli_chr01	40412572	AA	TT	1940144110
SNP_P1_18707_40412611	NC_021160.1	Ca_kabuli_chr01	40412611	GG	AA	1940144111
SNP_P1_18708_40412657	NC_021160.1	Ca_kabuli_chr01	40412657	AA	GG	1940144112
SNP_P1_18709_40414049	NC_021160.1	Ca_kabuli_chr01	40414049	AA	GG	1940144114
SNP_P1_18710_40414088	NC_021160.1	Ca_kabuli_chr01	40414088	AA	TT	1940144115
SNP_P1_18711_40414116	NC_021160.1	Ca_kabuli_chr01	40414116	AA	GG	1940144116
SNP_P1_18712_40414440	NC_021160.1	Ca_kabuli_chr01	40414440	GG	CC	1940144117
SNP_P1_18713_40415574	NC_021160.1	Ca_kabuli_chr01	40415574	TT	CC	1940144118
SNP_P1_18714_40415934	NC_021160.1	Ca_kabuli_chr01	40415934	TT	CC	1940144119
SNP_P1_18715_40416037	NC_021160.1	Ca_kabuli_chr01	40416037	AA	GG	1940144120
SNP_P1_18716_40417256	NC_021160.1	Ca_kabuli_chr01	40417256	TT	CC	1940144121
SNP_P1_18717_40417670	NC_021160.1	Ca_kabuli_chr01	40417670	GG	AA	1940144122
SNP_P1_18718_40417908	NC_021160.1	Ca_kabuli_chr01	40417908	GG	TT	1940144123
SNP_P1_18719_40418030	NC_021160.1	Ca_kabuli_chr01	40418030	AA	GG	1940144124
SNP_P1_18720_40418391	NC_021160.1	Ca_kabuli_chr01	40418391	CC	TT	1940144125
SNP_P1_18721_40420523	NC_021160.1	Ca_kabuli_chr01	40420523	GG	TT	1940144126
SNP_P1_18722_40420528	NC_021160.1	Ca_kabuli_chr01	40420528	CC	TT	1940144127
SNP_P1_18723_40420702	NC_021160.1	Ca_kabuli_chr01	40420702	CC	GG	1940144128
SNP_P1_18725_40421608	NC_021160.1	Ca_kabuli_chr01	40421608	GG	AA	1940144129
SNP_P1_18726_40421676	NC_021160.1	Ca_kabuli_chr01	40421676	GG	AA	1940144130
SNP_P1_18727_40421696	NC_021160.1	Ca_kabuli_chr01	40421696	GG	AA	1940144131
SNP_P1_18728_40421977	NC_021160.1	Ca_kabuli_chr01	40421977	TT	GG	1940144132
SNP_P1_18729_40422400	NC_021160.1	Ca_kabuli_chr01	40422400	GG	CC	1940144133
SNP_P1_18731_40423310	NC_021160.1	Ca_kabuli_chr01	40423310	GG	AA	1940144134
SNP_P1_18734_40423640	NC_021160.1	Ca_kabuli_chr01	40423640	TT	CC	1940144135
SNP_P1_18737_40424711	NC_021160.1	Ca_kabuli_chr01	40424711	TT	GG	1940144136
SNP_P1_18739_40425222	NC_021160.1	Ca_kabuli_chr01	40425222	AA	CC	1940144137
SNP_P1_18742_40425617	NC_021160.1	Ca_kabuli_chr01	40425617	CC	TT	1940144138
SNP_P1_18743_40425657	NC_021160.1	Ca_kabuli_chr01	40425657	CC	AA	1940144139
SNP_P1_18744_40425877	NC_021160.1	Ca_kabuli_chr01	40425877	TT	CC	1940144140
SNP_P1_18745_40425895	NC_021160.1	Ca_kabuli_chr01	40425895	AA	TT	1940144141
SNP_P1_18746_40425910	NC_021160.1	Ca_kabuli_chr01	40425910	CC	TT	1940144142
SNP_P1_18748_40426513	NC_021160.1	Ca_kabuli_chr01	40426513	AA	TT	1940144143
SNP_P1_18749_40426529	NC_021160.1	Ca_kabuli_chr01	40426529	AA	GG	1940144144
SNP_P1_18750_40426545	NC_021160.1	Ca_kabuli_chr01	40426545	CC	TT	1940144145
SNP_P1_18751_40426730	NC_021160.1	Ca_kabuli_chr01	40426730	CC	GG	1940144146
SNP_P1_18752_40427557	NC_021160.1	Ca_kabuli_chr01	40427557	CC	TT	1940144147
SNP_P1_18753_40427661	NC_021160.1	Ca_kabuli_chr01	40427661	TT	CC	1940144148
SNP_P1_18754_40427766	NC_021160.1	Ca_kabuli_chr01	40427766	AA	CC	1940144149
SNP_P1_18755_40427989	NC_021160.1	Ca_kabuli_chr01	40427989	AA	GG	1940144150
SNP_P1_18756_40428598	NC_021160.1	Ca_kabuli_chr01	40428598	AA	CC	1940144152

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_18757_40428949	NC_021160.1	Ca_kabuli_chr01	40428949	TT	CC	1940144153
SNP_P1_18758_40429584	NC_021160.1	Ca_kabuli_chr01	40429584	CC	TT	1940144154
SNP_P1_18759_40429606	NC_021160.1	Ca_kabuli_chr01	40429606	AA	GG	1940144155
SNP_P1_18760_40429614	NC_021160.1	Ca_kabuli_chr01	40429614	AA	CC	1940144156
SNP_P1_18761_40429680	NC_021160.1	Ca_kabuli_chr01	40429680	GG	AA	1940144157
SNP_P1_18763_40433497	NC_021160.1	Ca_kabuli_chr01	40433497	TT	AA	1940144158
SNP_P1_18765_40433926	NC_021160.1	Ca_kabuli_chr01	40433926	TT	AA	1940144159
SNP_P1_18767_40434301	NC_021160.1	Ca_kabuli_chr01	40434301	TT	CC	1940144160
SNP_P1_18768_40445006	NC_021160.1	Ca_kabuli_chr01	40445006	TT	CC	1940144161
SNP_P1_18769_40447743	NC_021160.1	Ca_kabuli_chr01	40447743	GG	AA	1940144162
SNP_P1_18770_40449653	NC_021160.1	Ca_kabuli_chr01	40449653	GG	AA	1940144163
SNP_P1_18772_40473838	NC_021160.1	Ca_kabuli_chr01	40473838	GG	AA	1940144164
SNP_P1_18773_40475671	NC_021160.1	Ca_kabuli_chr01	40475671	CC	AA	1940144165
SNP_P1_18774_40483777	NC_021160.1	Ca_kabuli_chr01	40483777	AA	GG	1940144166
SNP_P1_18775_40488465	NC_021160.1	Ca_kabuli_chr01	40488465	TT	AA	1940144167
SNP_P1_18776_40506799	NC_021160.1	Ca_kabuli_chr01	40506799	TT	GG	1940144168
SNP_P1_18777_40508404	NC_021160.1	Ca_kabuli_chr01	40508404	TT	GG	1940144169
SNP_P1_18778_40511709	NC_021160.1	Ca_kabuli_chr01	40511709	TT	GG	1940144170
SNP_P1_18779_40511980	NC_021160.1	Ca_kabuli_chr01	40511980	AA	GG	1940144171
SNP_P1_18780_40516018	NC_021160.1	Ca_kabuli_chr01	40516018	GG	CC	1940144172
SNP_P1_18781_40531327	NC_021160.1	Ca_kabuli_chr01	40531327	AA	TT	1940144173
SNP_P1_18783_40534751	NC_021160.1	Ca_kabuli_chr01	40534751	CC	TT	1940144174
SNP_P1_18786_40537348	NC_021160.1	Ca_kabuli_chr01	40537348	TT	CC	1940144175
SNP_P1_18787_40538329	NC_021160.1	Ca_kabuli_chr01	40538329	AA	GG	1940144176
SNP_P1_18788_40538552	NC_021160.1	Ca_kabuli_chr01	40538552	GG	AA	1940144177
SNP_P1_18789_40538593	NC_021160.1	Ca_kabuli_chr01	40538593	AA	GG	1940144178
SNP_P1_18790_40543474	NC_021160.1	Ca_kabuli_chr01	40543474	TT	AA	1940144179
SNP_P1_18791_40543475	NC_021160.1	Ca_kabuli_chr01	40543475	AA	TT	1940144180
SNP_P1_18792_40543476	NC_021160.1	Ca_kabuli_chr01	40543476	AA	TT	1940144181
SNP_P1_18793_40558464	NC_021160.1	Ca_kabuli_chr01	40558464	CC	TT	1940144183
SNP_P1_18794_40587383	NC_021160.1	Ca_kabuli_chr01	40587383	CC	TT	1940144184
SNP_P1_18795_40590062	NC_021160.1	Ca_kabuli_chr01	40590062	TT	AA	1940144185
SNP_P1_18796_40592654	NC_021160.1	Ca_kabuli_chr01	40592654	TT	AA	1940144186
SNP_P1_18797_40595793	NC_021160.1	Ca_kabuli_chr01	40595793	CC	TT	1940144187
SNP_P1_18798_40601054	NC_021160.1	Ca_kabuli_chr01	40601054	TT	AA	1940144188
SNP_P1_18799_40618895	NC_021160.1	Ca_kabuli_chr01	40618895	TT	GG	1940144189
SNP_P1_18800_40618903	NC_021160.1	Ca_kabuli_chr01	40618903	TT	CC	1940144190
SNP_P1_18801_40631680	NC_021160.1	Ca_kabuli_chr01	40631680	GG	AA	1940144191
SNP_P1_18802_40674866	NC_021160.1	Ca_kabuli_chr01	40674866	TT	AA	1940144192
SNP_P1_18803_40725472	NC_021160.1	Ca_kabuli_chr01	40725472	TT	CC	1940144193
SNP_P1_18804_40736618	NC_021160.1	Ca_kabuli_chr01	40736618	TT	CC	1940144194
SNP_P1_18805_40736620	NC_021160.1	Ca_kabuli_chr01	40736620	AA	CC	1940144195

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18807_40747746	NC_021160.1	Ca_kabuli_chr01	40747746	CC	TT	1940144197
SNP_P1_18808_40747753	NC_021160.1	Ca_kabuli_chr01	40747753	TT	AA	1940144198
SNP_P1_18809_40752518	NC_021160.1	Ca_kabuli_chr01	40752518	AA	GG	1940144199
SNP_P1_18810_40754028	NC_021160.1	Ca_kabuli_chr01	40754028	TT	AA	1940144200
SNP_P1_18811_40754088	NC_021160.1	Ca_kabuli_chr01	40754088	CC	TT	1940144201
SNP_P1_18812_40754090	NC_021160.1	Ca_kabuli_chr01	40754090	AA	TT	1940144202
SNP_P1_18813_40754095	NC_021160.1	Ca_kabuli_chr01	40754095	TT	CC	1940144203
SNP_P1_18814_40765700	NC_021160.1	Ca_kabuli_chr01	40765700	AA	GG	1940144204
SNP_P1_18815_40766011	NC_021160.1	Ca_kabuli_chr01	40766011	CC	GG	1940144205
SNP_P1_18816_40766039	NC_021160.1	Ca_kabuli_chr01	40766039	TT	CC	1940144206
SNP_P1_18817_40785094	NC_021160.1	Ca_kabuli_chr01	40785094	TT	CC	1940144207
SNP_P1_18818_40785395	NC_021160.1	Ca_kabuli_chr01	40785395	TT	CC	1940144208
SNP_P1_18819_40790003	NC_021160.1	Ca_kabuli_chr01	40790003	GG	AA	1940144209
SNP_P1_18820_40790038	NC_021160.1	Ca_kabuli_chr01	40790038	GG	AA	1940144210
SNP_P1_18821_40792263	NC_021160.1	Ca_kabuli_chr01	40792263	TT	CC	1940144211
SNP_P1_18823_40803495	NC_021160.1	Ca_kabuli_chr01	40803495	AA	TT	1940144212
SNP_P1_18824_40814686	NC_021160.1	Ca_kabuli_chr01	40814686	TT	CC	1940144213
SNP_P1_18825_40814731	NC_021160.1	Ca_kabuli_chr01	40814731	GG	AA	1940144214
SNP_P1_18826_40814750	NC_021160.1	Ca_kabuli_chr01	40814750	GG	AA	1940144215
SNP_P1_18827_40814759	NC_021160.1	Ca_kabuli_chr01	40814759	TT	CC	1940144216
SNP_P1_18828_40814760	NC_021160.1	Ca_kabuli_chr01	40814760	TT	CC	1940144217
SNP_P1_18829_40814778	NC_021160.1	Ca_kabuli_chr01	40814778	GG	TT	1940144218
SNP_P1_18830_40814811	NC_021160.1	Ca_kabuli_chr01	40814811	AA	GG	1940144219
SNP_P1_18831_40814815	NC_021160.1	Ca_kabuli_chr01	40814815	GG	AA	1940144220
SNP_P1_18832_40814833	NC_021160.1	Ca_kabuli_chr01	40814833	TT	CC	1940144221
SNP_P1_18833_40814834	NC_021160.1	Ca_kabuli_chr01	40814834	AA	GG	1940144222
SNP_P1_18834_40814899	NC_021160.1	Ca_kabuli_chr01	40814899	AA	GG	1940144223
SNP_P1_18835_40814942	NC_021160.1	Ca_kabuli_chr01	40814942	TT	GG	1940144224
SNP_P1_18836_40814943	NC_021160.1	Ca_kabuli_chr01	40814943	GG	TT	1940144225
SNP_P1_18837_40819562	NC_021160.1	Ca_kabuli_chr01	40819562	TT	CC	1940144226
SNP_P1_18838_40819567	NC_021160.1	Ca_kabuli_chr01	40819567	AA	GG	1940144228
SNP_P1_18839_40825694	NC_021160.1	Ca_kabuli_chr01	40825694	GG	AA	1940144229
SNP_P1_18840_40825716	NC_021160.1	Ca_kabuli_chr01	40825716	GG	AA	1940144230
SNP_P1_18841_40827843	NC_021160.1	Ca_kabuli_chr01	40827843	CC	GG	1940144231
SNP_P1_18842_40828946	NC_021160.1	Ca_kabuli_chr01	40828946	GG	AA	1940144232
SNP_P1_18843_40838269	NC_021160.1	Ca_kabuli_chr01	40838269	TT	AA	1940144233
SNP_P1_18844_40838282	NC_021160.1	Ca_kabuli_chr01	40838282	GG	TT	1940144234
SNP_P1_18845_40838350	NC_021160.1	Ca_kabuli_chr01	40838350	TT	CC	1940144235
SNP_P1_18846_40838510	NC_021160.1	Ca_kabuli_chr01	40838510	GG	AA	1940144236
SNP_P1_18847_40839972	NC_021160.1	Ca_kabuli_chr01	40839972	AA	GG	1940144237
SNP_P1_18848_40853440	NC_021160.1	Ca_kabuli_chr01	40853440	TT	AA	1940144238

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18850_40859520	NC_021160.1	Ca_kabuli_chr01	40859520	AA	GG	1940144240
SNP_P1_18851_40859668	NC_021160.1	Ca_kabuli_chr01	40859668	CC	TT	1940144241
SNP_P1_18852_40859723	NC_021160.1	Ca_kabuli_chr01	40859723	TT	AA	1940144242
SNP_P1_18853_40860903	NC_021160.1	Ca_kabuli_chr01	40860903	GG	CC	1940144243
SNP_P1_18855_40862017	NC_021160.1	Ca_kabuli_chr01	40862017	AA	GG	1940144244
SNP_P1_18856_40862018	NC_021160.1	Ca_kabuli_chr01	40862018	CC	TT	1940144245
SNP_P1_18857_40869111	NC_021160.1	Ca_kabuli_chr01	40869111	TT	AA	1940144246
SNP_P1_18858_40870128	NC_021160.1	Ca_kabuli_chr01	40870128	AA	GG	1940144247
SNP_P1_18859_40870156	NC_021160.1	Ca_kabuli_chr01	40870156	TT	CC	1940144248
SNP_P1_18860_40871861	NC_021160.1	Ca_kabuli_chr01	40871861	CC	TT	1940144249
SNP_P1_18861_40871869	NC_021160.1	Ca_kabuli_chr01	40871869	AA	CC	1940144250
SNP_P1_18862_40872330	NC_021160.1	Ca_kabuli_chr01	40872330	AA	GG	1940144251
SNP_P1_18863_40872333	NC_021160.1	Ca_kabuli_chr01	40872333	CC	TT	1940144252
SNP_P1_18864_40872354	NC_021160.1	Ca_kabuli_chr01	40872354	TT	GG	1940144253
SNP_P1_18865_40872402	NC_021160.1	Ca_kabuli_chr01	40872402	AA	GG	1940144254
SNP_P1_18866_40872406	NC_021160.1	Ca_kabuli_chr01	40872406	AA	GG	1940144255
SNP_P1_18867_40872426	NC_021160.1	Ca_kabuli_chr01	40872426	AA	GG	1940144256
SNP_P1_18868_40872442	NC_021160.1	Ca_kabuli_chr01	40872442	TT	CC	1940144257
SNP_P1_18869_40872459	NC_021160.1	Ca_kabuli_chr01	40872459	AA	CC	1940144258
SNP_P1_18871_40881506	NC_021160.1	Ca_kabuli_chr01	40881506	CC	TT	1940144260
SNP_P1_18872_40885572	NC_021160.1	Ca_kabuli_chr01	40885572	GG	CC	1940144261
SNP_P1_18873_40885580	NC_021160.1	Ca_kabuli_chr01	40885580	GG	AA	1940144262
SNP_P1_18874_40887554	NC_021160.1	Ca_kabuli_chr01	40887554	CC	TT	1940144263
SNP_P1_18875_40887692	NC_021160.1	Ca_kabuli_chr01	40887692	TT	CC	1940144264
SNP_P1_18876_40887714	NC_021160.1	Ca_kabuli_chr01	40887714	AA	GG	1940144265
SNP_P1_18877_40887877	NC_021160.1	Ca_kabuli_chr01	40887877	TT	CC	1940144266
SNP_P1_18878_40887886	NC_021160.1	Ca_kabuli_chr01	40887886	CC	AA	1940144267
SNP_P1_18879_40887975	NC_021160.1	Ca_kabuli_chr01	40887975	GG	AA	1940144268
SNP_P1_18880_40888085	NC_021160.1	Ca_kabuli_chr01	40888085	CC	AA	1940144269
SNP_P1_18881_40888194	NC_021160.1	Ca_kabuli_chr01	40888194	CC	TT	1940144270
SNP_P1_18882_40889660	NC_021160.1	Ca_kabuli_chr01	40889660	GG	TT	1940144271
SNP_P1_18883_40889662	NC_021160.1	Ca_kabuli_chr01	40889662	AA	TT	1940144272
SNP_P1_18884_40889664	NC_021160.1	Ca_kabuli_chr01	40889664	CC	TT	1940144273
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SNP_P1_18887_40889817	NC_021160.1	Ca_kabuli_chr01	40889817	TT	AA	1940144275
SNP_P1_18889_40890118	NC_021160.1	Ca_kabuli_chr01	40890118	GG	CC	1940144276
SNP_P1_18890_40890134	NC_021160.1	Ca_kabuli_chr01	40890134	CC	AA	1940144277
SNP_P1_18891_40890162	NC_021160.1	Ca_kabuli_chr01	40890162	GG	TT	1940144278
SNP_P1_18892_40890181	NC_021160.1	Ca_kabuli_chr01	40890181	AA	TT	1940144279
SNP_P1_18893_40890183	NC_021160.1	Ca_kabuli_chr01	40890183	TT	CC	1940144280
SNP_P1_18894_40890201	NC_021160.1	Ca_kabuli_chr01	40890201	TT	CC	1940144281

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18896_40890260	NC_021160.1	Ca_kabuli_chr01	40890260	TT	AA	1940144283
SNP_P1_18897_40890357	NC_021160.1	Ca_kabuli_chr01	40890357	AA	GG	1940144284
SNP_P1_18898_40890419	NC_021160.1	Ca_kabuli_chr01	40890419	CC	TT	1940144285
SNP_P1_18899_40890432	NC_021160.1	Ca_kabuli_chr01	40890432	CC	TT	1940144286
SNP_P1_18900_40890452	NC_021160.1	Ca_kabuli_chr01	40890452	AA	GG	1940144287
SNP_P1_18901_40890472	NC_021160.1	Ca_kabuli_chr01	40890472	GG	AA	1940144288
SNP_P1_18903_40890650	NC_021160.1	Ca_kabuli_chr01	40890650	AA	TT	1940144289
SNP_P1_18904_40890656	NC_021160.1	Ca_kabuli_chr01	40890656	TT	CC	1940144290
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SNP_P1_18906_40890741	NC_021160.1	Ca_kabuli_chr01	40890741	GG	CC	1940144292
SNP_P1_18907_40890743	NC_021160.1	Ca_kabuli_chr01	40890743	AA	CC	1940144293
SNP_P1_18908_40891442	NC_021160.1	Ca_kabuli_chr01	40891442	AA	GG	1940144295
SNP_P1_18909_40895239	NC_021160.1	Ca_kabuli_chr01	40895239	TT	CC	1940144296
SNP_P1_18910_40898782	NC_021160.1	Ca_kabuli_chr01	40898782	TT	CC	1940144297
SNP_P1_18911_40898823	NC_021160.1	Ca_kabuli_chr01	40898823	CC	TT	1940144298
SNP_P1_18912_40899089	NC_021160.1	Ca_kabuli_chr01	40899089	AA	TT	1940144299
SNP_P1_18913_40899123	NC_021160.1	Ca_kabuli_chr01	40899123	GG	TT	1940144300
SNP_P1_18915_40907415	NC_021160.1	Ca_kabuli_chr01	40907415	GG	AA	1940144301
SNP_P1_18916_40920165	NC_021160.1	Ca_kabuli_chr01	40920165	TT	GG	1940144302
SNP_P1_18917_40920169	NC_021160.1	Ca_kabuli_chr01	40920169	TT	GG	1940144303
SNP_P1_18918_40934996	NC_021160.1	Ca_kabuli_chr01	40934996	TT	GG	1940144304
SNP_P1_18919_40934998	NC_021160.1	Ca_kabuli_chr01	40934998	CC	GG	1940144305
SNP_P1_18920_40962536	NC_021160.1	Ca_kabuli_chr01	40962536	GG	AA	1940144306
SNP_P1_18922_40966104	NC_021160.1	Ca_kabuli_chr01	40966104	GG	TT	1940144307
SNP_P1_18923_40978523	NC_021160.1	Ca_kabuli_chr01	40978523	GG	AA	1940144308
SNP_P1_18924_40978542	NC_021160.1	Ca_kabuli_chr01	40978542	TT	AA	1940144309
SNP_P1_18925_41025909	NC_021160.1	Ca_kabuli_chr01	41025909	GG	AA	1940144310
SNP_P1_18926_41029498	NC_021160.1	Ca_kabuli_chr01	41029498	AA	CC	1940144311
SNP_P1_18927_41033413	NC_021160.1	Ca_kabuli_chr01	41033413	GG	AA	1940144312
SNP_P1_18929_41068396	NC_021160.1	Ca_kabuli_chr01	41068396	AA	GG	1940144313
SNP_P1_18930_41076406	NC_021160.1	Ca_kabuli_chr01	41076406	GG	TT	1940144314
SNP_P1_18931_41082880	NC_021160.1	Ca_kabuli_chr01	41082880	TT	CC	1940144315
SNP_P1_18932_41083207	NC_021160.1	Ca_kabuli_chr01	41083207	CC	TT	1940144316
SNP_P1_18933_41103408	NC_021160.1	Ca_kabuli_chr01	41103408	AA	GG	1940144317
SNP_P1_18934_41103731	NC_021160.1	Ca_kabuli_chr01	41103731	TT	CC	1940144318
SNP_P1_18935_41103766	NC_021160.1	Ca_kabuli_chr01	41103766	TT	CC	1940144319
SNP_P1_18936_41117311	NC_021160.1	Ca_kabuli_chr01	41117311	CC	AA	1940144320
SNP_P1_18937_41136378	NC_021160.1	Ca_kabuli_chr01	41136378	AA	GG	1940144321
SNP_P1_18938_41151121	NC_021160.1	Ca_kabuli_chr01	41151121	TT	CC	1940144322
SNP_P1_18939_41163689	NC_021160.1	Ca_kabuli_chr01	41163689	GG	CC	1940144323
SNP_P1_18941_41205413	NC_021160.1	Ca_kabuli_chr01	41205413	CC	TT	1940144324

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18943_41216476	NC_021160.1	Ca_kabuli_chr01	41216476	TT	GG	1940144326
SNP_P1_18944_41216481	NC_021160.1	Ca_kabuli_chr01	41216481	AA	CC	1940144327
SNP_P1_18946_41225720	NC_021160.1	Ca_kabuli_chr01	41225720	CC	AA	1940144328
SNP_P1_18947_41226426	NC_021160.1	Ca_kabuli_chr01	41226426	GG	AA	1940144330
SNP_P1_18948_41228110	NC_021160.1	Ca_kabuli_chr01	41228110	GG	CC	1940144331
SNP_P1_18949_41237292	NC_021160.1	Ca_kabuli_chr01	41237292	TT	CC	1940144332
SNP_P1_18950_41237347	NC_021160.1	Ca_kabuli_chr01	41237347	TT	AA	1940144333
SNP_P1_18951_41238665	NC_021160.1	Ca_kabuli_chr01	41238665	AA	GG	1940144334
SNP_P1_18952_41242026	NC_021160.1	Ca_kabuli_chr01	41242026	AA	CC	1940144335
SNP_P1_18953_41247640	NC_021160.1	Ca_kabuli_chr01	41247640	AA	TT	1940144336
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SNP_P1_18955_41247672	NC_021160.1	Ca_kabuli_chr01	41247672	CC	TT	1940144338
SNP_P1_18957_41248492	NC_021160.1	Ca_kabuli_chr01	41248492	TT	CC	1940144339
SNP_P1_18958_41248505	NC_021160.1	Ca_kabuli_chr01	41248505	TT	GG	1940144340
SNP_P1_18959_41248535	NC_021160.1	Ca_kabuli_chr01	41248535	GG	TT	1940144341
SNP_P1_18960_41248538	NC_021160.1	Ca_kabuli_chr01	41248538	CC	AA	1940144342
SNP_P1_18961_41248542	NC_021160.1	Ca_kabuli_chr01	41248542	CC	AA	1940144343
SNP_P1_18962_41248554	NC_021160.1	Ca_kabuli_chr01	41248554	AA	TT	1940144344
SNP_P1_18963_41248745	NC_021160.1	Ca_kabuli_chr01	41248745	AA	GG	1940144345
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SNP_P1_18966_41249532	NC_021160.1	Ca_kabuli_chr01	41249532	AA	CC	1940144348
SNP_P1_18967_41249547	NC_021160.1	Ca_kabuli_chr01	41249547	TT	CC	1940144349
SNP_P1_18968_41249746	NC_021160.1	Ca_kabuli_chr01	41249746	CC	TT	1940144350
SNP_P1_18969_41249756	NC_021160.1	Ca_kabuli_chr01	41249756	AA	GG	1940144351
SNP_P1_18970_41249768	NC_021160.1	Ca_kabuli_chr01	41249768	GG	AA	1940144352
SNP_P1_18971_41256671	NC_021160.1	Ca_kabuli_chr01	41256671	TT	AA	1940144353
SNP_P1_18972_41256693	NC_021160.1	Ca_kabuli_chr01	41256693	AA	GG	1940144354
SNP_P1_18973_41266165	NC_021160.1	Ca_kabuli_chr01	41266165	TT	CC	1940144355
SNP_P1_18974_41266170	NC_021160.1	Ca_kabuli_chr01	41266170	TT	CC	1940144356
SNP_P1_18975_41266566	NC_021160.1	Ca_kabuli_chr01	41266566	AA	GG	1940144357
SNP_P1_18976_41266580	NC_021160.1	Ca_kabuli_chr01	41266580	GG	AA	1940144358
SNP_P1_18977_41266588	NC_021160.1	Ca_kabuli_chr01	41266588	CC	TT	1940144359
SNP_P1_18978_41277723	NC_021160.1	Ca_kabuli_chr01	41277723	TT	CC	1940144360
SNP_P1_18979_41278072	NC_021160.1	Ca_kabuli_chr01	41278072	GG	CC	1940144361
SNP_P1_18980_41293444	NC_021160.1	Ca_kabuli_chr01	41293444	CC	TT	1940144362
SNP_P1_18982_41316345	NC_021160.1	Ca_kabuli_chr01	41316345	TT	GG	1940144363
SNP_P1_18983_41329628	NC_021160.1	Ca_kabuli_chr01	41329628	TT	AA	1940144364
SNP_P1_18984_41329632	NC_021160.1	Ca_kabuli_chr01	41329632	TT	CC	1940144365
SNP_P1_18985_41378130	NC_021160.1	Ca_kabuli_chr01	41378130	TT	GG	1940144367
SNP_P1_18986_41383621	NC_021160.1	Ca_kabuli_chr01	41383621	AA	CC	1940144368

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_18989_41415741	NC_021160.1	Ca_kabuli_chr01	41415741	GG	TT	1940144371
SNP_P1_18990_41416397	NC_021160.1	Ca_kabuli_chr01	41416397	CC	AA	1940144372
SNP_P1_18991_41416739	NC_021160.1	Ca_kabuli_chr01	41416739	AA	CC	1940144373
SNP_P1_18992_41422585	NC_021160.1	Ca_kabuli_chr01	41422585	GG	AA	1940144374
SNP_P1_18993_41429140	NC_021160.1	Ca_kabuli_chr01	41429140	TT	CC	1940144375
SNP_P1_18994_41435410	NC_021160.1	Ca_kabuli_chr01	41435410	GG	AA	1940144376
SNP_P1_18995_41450454	NC_021160.1	Ca_kabuli_chr01	41450454	TT	CC	1940144377
SNP_P1_18996_41450818	NC_021160.1	Ca_kabuli_chr01	41450818	CC	TT	1940144378
SNP_P1_18997_41450840	NC_021160.1	Ca_kabuli_chr01	41450840	TT	GG	1940144379
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SNP_P1_18999_41450938	NC_021160.1	Ca_kabuli_chr01	41450938	AA	TT	1940144381
SNP_P1_19000_41452736	NC_021160.1	Ca_kabuli_chr01	41452736	AA	CC	1940144382
SNP_P1_19001_41452788	NC_021160.1	Ca_kabuli_chr01	41452788	CC	AA	1940144383
SNP_P1_19002_41452800	NC_021160.1	Ca_kabuli_chr01	41452800	TT	CC	1940144384
SNP_P1_19003_41452813	NC_021160.1	Ca_kabuli_chr01	41452813	CC	AA	1940144385
SNP_P1_19004_41465403	NC_021160.1	Ca_kabuli_chr01	41465403	AA	GG	1940144386
SNP_P1_19005_41471888	NC_021160.1	Ca_kabuli_chr01	41471888	AA	TT	1940144387
SNP_P1_19006_41472079	NC_021160.1	Ca_kabuli_chr01	41472079	CC	GG	1940144388
SNP_P1_19007_41472089	NC_021160.1	Ca_kabuli_chr01	41472089	AA	GG	1940144389
SNP_P1_19008_41472140	NC_021160.1	Ca_kabuli_chr01	41472140	AA	TT	1940144390
SNP_P1_19009_41472174	NC_021160.1	Ca_kabuli_chr01	41472174	AA	CC	1940144391
SNP_P1_19010_41479763	NC_021160.1	Ca_kabuli_chr01	41479763	GG	AA	1940144392
SNP_P1_19012_41503489	NC_021160.1	Ca_kabuli_chr01	41503489	GG	AA	1940144393
SNP_P1_19014_41504108	NC_021160.1	Ca_kabuli_chr01	41504108	TT	GG	1940144394
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SNP_P1_19016_41504113	NC_021160.1	Ca_kabuli_chr01	41504113	GG	AA	1940144396
SNP_P1_19017_41504309	NC_021160.1	Ca_kabuli_chr01	41504309	AA	TT	1940144397
SNP_P1_19018_41504387	NC_021160.1	Ca_kabuli_chr01	41504387	TT	CC	1940144398
SNP_P1_19019_41504639	NC_021160.1	Ca_kabuli_chr01	41504639	AA	GG	1940144399
SNP_P1_19020_41504827	NC_021160.1	Ca_kabuli_chr01	41504827	GG	AA	1940144400
SNP_P1_19021_41515653	NC_021160.1	Ca_kabuli_chr01	41515653	CC	TT	1940144401
SNP_P1_19024_41588352	NC_021160.1	Ca_kabuli_chr01	41588352	TT	CC	1940144402
SNP_P1_19025_41597667	NC_021160.1	Ca_kabuli_chr01	41597667	TT	CC	1940144403
SNP_P1_19026_41600602	NC_021160.1	Ca_kabuli_chr01	41600602	TT	CC	1940144405
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SNP_P1_19028_41617666	NC_021160.1	Ca_kabuli_chr01	41617666	GG	TT	1940144407
SNP_P1_19029_41631519	NC_021160.1	Ca_kabuli_chr01	41631519	GG	TT	1940144408
SNP_P1_19031_41672934	NC_021160.1	Ca_kabuli_chr01	41672934	AA	CC	1940144409
SNP_P1_19032_41672936	NC_021160.1	Ca_kabuli_chr01	41672936	AA	CC	1940144410
SNP_P1_19034_41694808	NC_021160.1	Ca_kabuli_chr01	41694808	TT	CC	1940144411

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19036_41694947	NC_021160.1	Ca_kabuli_chr01	41694947	GG	AA	1940144413
SNP_P1_19037_41694965	NC_021160.1	Ca_kabuli_chr01	41694965	AA	GG	1940144414
SNP_P1_19038_41694968	NC_021160.1	Ca_kabuli_chr01	41694968	CC	GG	1940144415
SNP_P1_19039_41694969	NC_021160.1	Ca_kabuli_chr01	41694969	CC	TT	1940144416
SNP_P1_19040_41694972	NC_021160.1	Ca_kabuli_chr01	41694972	CC	TT	1940144417
SNP_P1_19041_41694997	NC_021160.1	Ca_kabuli_chr01	41694997	CC	TT	1940144418
SNP_P1_19042_41695044	NC_021160.1	Ca_kabuli_chr01	41695044	GG	AA	1940144419
SNP_P1_19043_41695141	NC_021160.1	Ca_kabuli_chr01	41695141	CC	TT	1940144420
SNP_P1_19044_41695164	NC_021160.1	Ca_kabuli_chr01	41695164	TT	CC	1940144421
SNP_P1_19045_41695242	NC_021160.1	Ca_kabuli_chr01	41695242	CC	TT	1940144422
SNP_P1_19046_41695348	NC_021160.1	Ca_kabuli_chr01	41695348	AA	GG	1940144423
SNP_P1_19047_41695387	NC_021160.1	Ca_kabuli_chr01	41695387	GG	AA	1940144424
SNP_P1_19049_41695633	NC_021160.1	Ca_kabuli_chr01	41695633	GG	AA	1940144425
SNP_P1_19050_41695682	NC_021160.1	Ca_kabuli_chr01	41695682	TT	AA	1940144426
SNP_P1_19051_41695683	NC_021160.1	Ca_kabuli_chr01	41695683	TT	AA	1940144427
SNP_P1_19052_41696840	NC_021160.1	Ca_kabuli_chr01	41696840	TT	CC	1940144428
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SNP_P1_19055_41704221	NC_021160.1	Ca_kabuli_chr01	41704221	CC	TT	1940144430
SNP_P1_19056_41704228	NC_021160.1	Ca_kabuli_chr01	41704228	GG	TT	1940144431
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SNP_P1_19058_41704268	NC_021160.1	Ca_kabuli_chr01	41704268	GG	AA	1940144433
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SNP_P1_19061_41704385	NC_021160.1	Ca_kabuli_chr01	41704385	CC	AA	1940144436
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SNP_P1_19067_41704603	NC_021160.1	Ca_kabuli_chr01	41704603	AA	TT	1940144440
SNP_P1_19068_41704624	NC_021160.1	Ca_kabuli_chr01	41704624	TT	AA	1940144441
SNP_P1_19069_41704633	NC_021160.1	Ca_kabuli_chr01	41704633	CC	TT	1940144442
SNP_P1_19070_41704813	NC_021160.1	Ca_kabuli_chr01	41704813	AA	TT	1940144443
SNP_P1_19071_41705237	NC_021160.1	Ca_kabuli_chr01	41705237	TT	GG	1940144445
SNP_P1_19072_41705392	NC_021160.1	Ca_kabuli_chr01	41705392	CC	TT	1940144446
SNP_P1_19073_41705604	NC_021160.1	Ca_kabuli_chr01	41705604	TT	AA	1940144447
SNP_P1_19075_41708392	NC_021160.1	Ca_kabuli_chr01	41708392	TT	CC	1940144448
SNP_P1_19076_41708419	NC_021160.1	Ca_kabuli_chr01	41708419	TT	GG	1940144449
SNP_P1_19077_41708687	NC_021160.1	Ca_kabuli_chr01	41708687	AA	CC	1940144450
SNP_P1_19078_41708757	NC_021160.1	Ca_kabuli_chr01	41708757	TT	GG	1940144451
SNP_P1_19079_41708760	NC_021160.1	Ca_kabuli_chr01	41708760	AA	GG	1940144452
SNP_P1_19080_41708828	NC_021160.1	Ca_kabuli_chr01	41708828	GG	AA	1940144453
SNP_P1_19081_41708872	NC_021160.1	Ca_kabuli_chr01	41708872	GG	TT	1940144454

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19085_41709837	NC_021160.1	Ca_kabuli_chr01	41709837	AA	TT	1940144457
SNP_P1_19086_41709855	NC_021160.1	Ca_kabuli_chr01	41709855	TT	GG	1940144458
SNP_P1_19087_41710029	NC_021160.1	Ca_kabuli_chr01	41710029	AA	GG	1940144459
SNP_P1_19088_41710036	NC_021160.1	Ca_kabuli_chr01	41710036	CC	AA	1940144460
SNP_P1_19089_41712203	NC_021160.1	Ca_kabuli_chr01	41712203	GG	AA	1940144461
SNP_P1_19090_41712423	NC_021160.1	Ca_kabuli_chr01	41712423	AA	GG	1940144462
SNP_P1_19091_41712529	NC_021160.1	Ca_kabuli_chr01	41712529	GG	AA	1940144463
SNP_P1_19092_41712688	NC_021160.1	Ca_kabuli_chr01	41712688	GG	AA	1940144464
SNP_P1_19093_41712745	NC_021160.1	Ca_kabuli_chr01	41712745	GG	TT	1940144465
SNP_P1_19094_41713192	NC_021160.1	Ca_kabuli_chr01	41713192	TT	CC	1940144466
SNP_P1_19095_41715543	NC_021160.1	Ca_kabuli_chr01	41715543	CC	TT	1940144467
SNP_P1_19096_41715548	NC_021160.1	Ca_kabuli_chr01	41715548	CC	TT	1940144468
SNP_P1_19097_41717623	NC_021160.1	Ca_kabuli_chr01	41717623	GG	AA	1940144469
SNP_P1_19098_41718481	NC_021160.1	Ca_kabuli_chr01	41718481	CC	TT	1940144470
SNP_P1_19099_41718553	NC_021160.1	Ca_kabuli_chr01	41718553	AA	GG	1940144471
SNP_P1_19100_41718571	NC_021160.1	Ca_kabuli_chr01	41718571	AA	TT	1940144472
SNP_P1_19101_41718619	NC_021160.1	Ca_kabuli_chr01	41718619	AA	TT	1940144473
SNP_P1_19102_41718683	NC_021160.1	Ca_kabuli_chr01	41718683	CC	GG	1940144474
SNP_P1_19103_41718744	NC_021160.1	Ca_kabuli_chr01	41718744	CC	AA	1940144475
SNP_P1_19105_41718886	NC_021160.1	Ca_kabuli_chr01	41718886	GG	AA	1940144476
SNP_P1_19106_41718896	NC_021160.1	Ca_kabuli_chr01	41718896	AA	TT	1940144477
SNP_P1_19107_41718997	NC_021160.1	Ca_kabuli_chr01	41718997	TT	CC	1940144478
SNP_P1_19108_41719027	NC_021160.1	Ca_kabuli_chr01	41719027	CC	AA	1940144479
SNP_P1_19109_41721877	NC_021160.1	Ca_kabuli_chr01	41721877	TT	AA	1940144480
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SNP_P1_19111_41721895	NC_021160.1	Ca_kabuli_chr01	41721895	AA	GG	1940144483
SNP_P1_19112_41721944	NC_021160.1	Ca_kabuli_chr01	41721944	TT	GG	1940144484
SNP_P1_19113_41721981	NC_021160.1	Ca_kabuli_chr01	41721981	GG	AA	1940144485
SNP_P1_19115_41722330	NC_021160.1	Ca_kabuli_chr01	41722330	AA	TT	1940144486
SNP_P1_19116_41722360	NC_021160.1	Ca_kabuli_chr01	41722360	TT	AA	1940144487
SNP_P1_19117_41722369	NC_021160.1	Ca_kabuli_chr01	41722369	AA	TT	1940144488
SNP_P1_19118_41722411	NC_021160.1	Ca_kabuli_chr01	41722411	TT	AA	1940144489
SNP_P1_19119_41722541	NC_021160.1	Ca_kabuli_chr01	41722541	TT	GG	1940144490
SNP_P1_19120_41722544	NC_021160.1	Ca_kabuli_chr01	41722544	AA	TT	1940144491
SNP_P1_19121_41722629	NC_021160.1	Ca_kabuli_chr01	41722629	TT	CC	1940144492
SNP_P1_19122_41722644	NC_021160.1	Ca_kabuli_chr01	41722644	AA	TT	1940144493
SNP_P1_19124_41727867	NC_021160.1	Ca_kabuli_chr01	41727867	TT	CC	1940144494
SNP_P1_19125_41727885	NC_021160.1	Ca_kabuli_chr01	41727885	AA	CC	1940144495
SNP_P1_19126_41727891	NC_021160.1	Ca_kabuli_chr01	41727891	CC	AA	1940144496
SNP_P1_19127_41727906	NC_021160.1	Ca_kabuli_chr01	41727906	AA	CC	1940144497

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19129_41728150	NC_021160.1	Ca_kabuli_chr01	41728150	CC	TT	1940144499
SNP_P1_19130_41728159	NC_021160.1	Ca_kabuli_chr01	41728159	GG	AA	1940144500
SNP_P1_19131_41732465	NC_021160.1	Ca_kabuli_chr01	41732465	CC	TT	1940144501
SNP_P1_19132_41735128	NC_021160.1	Ca_kabuli_chr01	41735128	CC	TT	1940144502
SNP_P1_19133_41736414	NC_021160.1	Ca_kabuli_chr01	41736414	TT	CC	1940144503
SNP_P1_19134_41738957	NC_021160.1	Ca_kabuli_chr01	41738957	CC	TT	1940144504
SNP_P1_19135_41739681	NC_021160.1	Ca_kabuli_chr01	41739681	CC	TT	1940144505
SNP_P1_19136_41743132	NC_021160.1	Ca_kabuli_chr01	41743132	AA	GG	1940144506
SNP_P1_19137_41747633	NC_021160.1	Ca_kabuli_chr01	41747633	TT	CC	1940144507
SNP_P1_19138_41748103	NC_021160.1	Ca_kabuli_chr01	41748103	CC	TT	1940144508
SNP_P1_19139_41780956	NC_021160.1	Ca_kabuli_chr01	41780956	GG	CC	1940144509
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SNP_P1_19142_41801319	NC_021160.1	Ca_kabuli_chr01	41801319	AA	TT	1940144512
SNP_P1_19143_41801383	NC_021160.1	Ca_kabuli_chr01	41801383	CC	TT	1940144513
SNP_P1_19145_41839103	NC_021160.1	Ca_kabuli_chr01	41839103	AA	GG	1940144514
SNP_P1_19147_41892050	NC_021160.1	Ca_kabuli_chr01	41892050	AA	GG	1940144515
SNP_P1_19148_41894735	NC_021160.1	Ca_kabuli_chr01	41894735	AA	TT	1940144516
SNP_P1_19149_41911220	NC_021160.1	Ca_kabuli_chr01	41911220	CC	AA	1940144517
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SNP_P1_19153_41955732	NC_021160.1	Ca_kabuli_chr01	41955732	CC	TT	1940144519
SNP_P1_19154_41962214	NC_021160.1	Ca_kabuli_chr01	41962214	GG	AA	1940144521
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SNP_P1_19156_41994712	NC_021160.1	Ca_kabuli_chr01	41994712	AA	TT	1940144523
SNP_P1_19157_41994760	NC_021160.1	Ca_kabuli_chr01	41994760	AA	GG	1940144524
SNP_P1_19158_42020592	NC_021160.1	Ca_kabuli_chr01	42020592	AA	GG	1940144525
SNP_P1_19159_42020860	NC_021160.1	Ca_kabuli_chr01	42020860	AA	GG	1940144526
SNP_P1_19160_42020945	NC_021160.1	Ca_kabuli_chr01	42020945	CC	TT	1940144527
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SNP_P1_19162_42021374	NC_021160.1	Ca_kabuli_chr01	42021374	AA	GG	1940144529
SNP_P1_19163_42021377	NC_021160.1	Ca_kabuli_chr01	42021377	TT	GG	1940144530
SNP_P1_19164_42021385	NC_021160.1	Ca_kabuli_chr01	42021385	TT	AA	1940144531
SNP_P1_19165_42021389	NC_021160.1	Ca_kabuli_chr01	42021389	AA	GG	1940144532
SNP_P1_19166_42021427	NC_021160.1	Ca_kabuli_chr01	42021427	TT	AA	1940144533
SNP_P1_19167_42021460	NC_021160.1	Ca_kabuli_chr01	42021460	TT	CC	1940144534
SNP_P1_19168_42021670	NC_021160.1	Ca_kabuli_chr01	42021670	CC	AA	1940144535
SNP_P1_19169_42021707	NC_021160.1	Ca_kabuli_chr01	42021707	AA	TT	1940144536
SNP_P1_19170_42040026	NC_021160.1	Ca_kabuli_chr01	42040026	GG	CC	1940144537
SNP_P1_19171_42070552	NC_021160.1	Ca_kabuli_chr01	42070552	GG	AA	1940144538
SNP_P1_19172_42070693	NC_021160.1	Ca_kabuli_chr01	42070693	TT	CC	1940144539
SNP_P1_19173_42070697	NC_021160.1	Ca_kabuli_chr01	42070697	GG	AA	1940144540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19177_42098222	NC_021160.1	Ca_kabuli_chr01	42098222	AA	TT	1940144543
SNP_P1_19178_42102351	NC_021160.1	Ca_kabuli_chr01	42102351	AA	TT	1940144544
SNP_P1_19179_42106831	NC_021160.1	Ca_kabuli_chr01	42106831	GG	AA	1940144545
SNP_P1_19180_42109829	NC_021160.1	Ca_kabuli_chr01	42109829	TT	CC	1940144546
SNP_P1_19181_42167043	NC_021160.1	Ca_kabuli_chr01	42167043	TT	CC	1940144547
SNP_P1_19182_42167946	NC_021160.1	Ca_kabuli_chr01	42167946	CC	AA	1940144548
SNP_P1_19183_42168070	NC_021160.1	Ca_kabuli_chr01	42168070	CC	AA	1940144550
SNP_P1_19184_42176294	NC_021160.1	Ca_kabuli_chr01	42176294	AA	CC	1940144551
SNP_P1_19185_42203018	NC_021160.1	Ca_kabuli_chr01	42203018	TT	AA	1940144552
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SNP_P1_19189_42203772	NC_021160.1	Ca_kabuli_chr01	42203772	CC	TT	1940144556
SNP_P1_19190_42203780	NC_021160.1	Ca_kabuli_chr01	42203780	CC	TT	1940144557
SNP_P1_19191_42205857	NC_021160.1	Ca_kabuli_chr01	42205857	CC	AA	1940144558
SNP_P1_19192_42206131	NC_021160.1	Ca_kabuli_chr01	42206131	TT	CC	1940144559
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SNP_P1_19195_42206182	NC_021160.1	Ca_kabuli_chr01	42206182	CC	GG	1940144562
SNP_P1_19196_42206185	NC_021160.1	Ca_kabuli_chr01	42206185	TT	AA	1940144563
SNP_P1_19197_42206430	NC_021160.1	Ca_kabuli_chr01	42206430	GG	AA	1940144564
SNP_P1_19198_42206796	NC_021160.1	Ca_kabuli_chr01	42206796	CC	AA	1940144565
SNP_P1_19201_42230388	NC_021160.1	Ca_kabuli_chr01	42230388	GG	AA	1940144566
SNP_P1_19202_42239519	NC_021160.1	Ca_kabuli_chr01	42239519	AA	GG	1940144567
SNP_P1_19203_42239560	NC_021160.1	Ca_kabuli_chr01	42239560	GG	AA	1940144568
SNP_P1_19204_42239572	NC_021160.1	Ca_kabuli_chr01	42239572	GG	AA	1940144569
SNP_P1_19205_42243832	NC_021160.1	Ca_kabuli_chr01	42243832	CC	TT	1940144570
SNP_P1_19206_42243850	NC_021160.1	Ca_kabuli_chr01	42243850	GG	AA	1940144571
SNP_P1_19207_42243925	NC_021160.1	Ca_kabuli_chr01	42243925	AA	GG	1940144572
SNP_P1_19208_42244193	NC_021160.1	Ca_kabuli_chr01	42244193	TT	CC	1940144573
SNP_P1_19209_42244244	NC_021160.1	Ca_kabuli_chr01	42244244	CC	TT	1940144574
SNP_P1_19210_42244275	NC_021160.1	Ca_kabuli_chr01	42244275	TT	GG	1940144575
SNP_P1_19211_42244312	NC_021160.1	Ca_kabuli_chr01	42244312	TT	AA	1940144576
SNP_P1_19212_42244339	NC_021160.1	Ca_kabuli_chr01	42244339	TT	CC	1940144577
SNP_P1_19213_42244347	NC_021160.1	Ca_kabuli_chr01	42244347	GG	TT	1940144578
SNP_P1_19214_42244358	NC_021160.1	Ca_kabuli_chr01	42244358	AA	TT	1940144579
SNP_P1_19215_42244442	NC_021160.1	Ca_kabuli_chr01	42244442	TT	CC	1940144580
SNP_P1_19216_42261664	NC_021160.1	Ca_kabuli_chr01	42261664	AA	GG	1940144581
SNP_P1_19217_42274660	NC_021160.1	Ca_kabuli_chr01	42274660	GG	AA	1940144582
SNP_P1_19218_42275645	NC_021160.1	Ca_kabuli_chr01	42275645	CC	AA	1940144583

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19220_42312884	NC_021160.1	Ca_kabuli_chr01	42312884	GG	AA	1940144585
SNP_P1_19221_42329317	NC_021160.1	Ca_kabuli_chr01	42329317	CC	TT	1940144586
SNP_P1_19222_42332407	NC_021160.1	Ca_kabuli_chr01	42332407	AA	GG	1940144587
SNP_P1_19223_42332483	NC_021160.1	Ca_kabuli_chr01	42332483	TT	AA	1940144588
SNP_P1_19224_42332579	NC_021160.1	Ca_kabuli_chr01	42332579	TT	CC	1940144590
SNP_P1_19225_42332640	NC_021160.1	Ca_kabuli_chr01	42332640	GG	CC	1940144591
SNP_P1_19226_42332648	NC_021160.1	Ca_kabuli_chr01	42332648	AA	GG	1940144592
SNP_P1_19228_42350962	NC_021160.1	Ca_kabuli_chr01	42350962	GG	TT	1940144593
SNP_P1_19229_42365098	NC_021160.1	Ca_kabuli_chr01	42365098	GG	CC	1940144594
SNP_P1_19230_42365101	NC_021160.1	Ca_kabuli_chr01	42365101	AA	TT	1940144595
SNP_P1_19231_42377338	NC_021160.1	Ca_kabuli_chr01	42377338	AA	CC	1940144596
SNP_P1_19232_42377341	NC_021160.1	Ca_kabuli_chr01	42377341	AA	TT	1940144597
SNP_P1_19233_42379521	NC_021160.1	Ca_kabuli_chr01	42379521	AA	CC	1940144598
SNP_P1_19235_42385373	NC_021160.1	Ca_kabuli_chr01	42385373	CC	TT	1940144599
SNP_P1_19236_42405362	NC_021160.1	Ca_kabuli_chr01	42405362	GG	AA	1940144600
SNP_P1_19237_42405386	NC_021160.1	Ca_kabuli_chr01	42405386	TT	CC	1940144601
SNP_P1_19238_42410780	NC_021160.1	Ca_kabuli_chr01	42410780	TT	CC	1940144602
SNP_P1_19239_42411108	NC_021160.1	Ca_kabuli_chr01	42411108	AA	CC	1940144603
SNP_P1_19240_42411134	NC_021160.1	Ca_kabuli_chr01	42411134	AA	CC	1940144604
SNP_P1_19241_42411139	NC_021160.1	Ca_kabuli_chr01	42411139	AA	GG	1940144605
SNP_P1_19242_42411155	NC_021160.1	Ca_kabuli_chr01	42411155	CC	TT	1940144606
SNP_P1_19243_42411173	NC_021160.1	Ca_kabuli_chr01	42411173	GG	AA	1940144607
SNP_P1_19244_42411186	NC_021160.1	Ca_kabuli_chr01	42411186	AA	CC	1940144608
SNP_P1_19245_42411196	NC_021160.1	Ca_kabuli_chr01	42411196	AA	GG	1940144609
SNP_P1_19246_42411235	NC_021160.1	Ca_kabuli_chr01	42411235	AA	CC	1940144610
SNP_P1_19247_42415656	NC_021160.1	Ca_kabuli_chr01	42415656	AA	CC	1940144611
SNP_P1_19248_42416005	NC_021160.1	Ca_kabuli_chr01	42416005	TT	AA	1940144612
SNP_P1_19251_42499537	NC_021160.1	Ca_kabuli_chr01	42499537	TT	CC	1940144613
SNP_P1_19252_42520265	NC_021160.1	Ca_kabuli_chr01	42520265	AA	CC	1940144614
SNP_P1_19253_42530379	NC_021160.1	Ca_kabuli_chr01	42530379	TT	AA	1940144615
SNP_P1_19254_42530385	NC_021160.1	Ca_kabuli_chr01	42530385	AA	CC	1940144616
SNP_P1_19255_42530415	NC_021160.1	Ca_kabuli_chr01	42530415	TT	CC	1940144617
SNP_P1_19256_42538838	NC_021160.1	Ca_kabuli_chr01	42538838	CC	TT	1940144618
SNP_P1_19257_42538849	NC_021160.1	Ca_kabuli_chr01	42538849	GG	TT	1940144619
SNP_P1_19258_42538911	NC_021160.1	Ca_kabuli_chr01	42538911	TT	AA	1940144620
SNP_P1_19259_42539358	NC_021160.1	Ca_kabuli_chr01	42539358	TT	CC	1940144621
SNP_P1_19260_42539804	NC_021160.1	Ca_kabuli_chr01	42539804	CC	TT	1940144622
SNP_P1_19261_42540218	NC_021160.1	Ca_kabuli_chr01	42540218	AA	GG	1940144623
SNP_P1_19262_42547761	NC_021160.1	Ca_kabuli_chr01	42547761	GG	AA	1940144624
SNP_P1_19263_42550438	NC_021160.1	Ca_kabuli_chr01	42550438	TT	CC	1940144625
SNP_P1_19264_42550527	NC_021160.1	Ca_kabuli_chr01	42550527	AA	GG	1940144626

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19267_42572593	NC_021160.1	Ca_kabuli_chr01	42572593	GG	AA	1940144630
SNP_P1_19268_42572595	NC_021160.1	Ca_kabuli_chr01	42572595	AA	GG	1940144631
SNP_P1_19270_42575923	NC_021160.1	Ca_kabuli_chr01	42575923	GG	CC	1940144632
SNP_P1_19271_42588335	NC_021160.1	Ca_kabuli_chr01	42588335	CC	TT	1940144633
SNP_P1_19272_42595961	NC_021160.1	Ca_kabuli_chr01	42595961	TT	AA	1940144634
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SNP_P1_19274_42604207	NC_021160.1	Ca_kabuli_chr01	42604207	TT	CC	1940144636
SNP_P1_19275_42615257	NC_021160.1	Ca_kabuli_chr01	42615257	AA	GG	1940144637
SNP_P1_19276_42615258	NC_021160.1	Ca_kabuli_chr01	42615258	AA	CC	1940144638
SNP_P1_19277_42616078	NC_021160.1	Ca_kabuli_chr01	42616078	TT	GG	1940144639
SNP_P1_19278_42616701	NC_021160.1	Ca_kabuli_chr01	42616701	GG	AA	1940144640
SNP_P1_19279_42620681	NC_021160.1	Ca_kabuli_chr01	42620681	AA	GG	1940144641
SNP_P1_19280_42624950	NC_021160.1	Ca_kabuli_chr01	42624950	GG	TT	1940144642
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SNP_P1_19283_42635981	NC_021160.1	Ca_kabuli_chr01	42635981	AA	CC	1940144645
SNP_P1_19284_42635991	NC_021160.1	Ca_kabuli_chr01	42635991	TT	CC	1940144646
SNP_P1_19285_42635995	NC_021160.1	Ca_kabuli_chr01	42635995	TT	CC	1940144647
SNP_P1_19286_42636014	NC_021160.1	Ca_kabuli_chr01	42636014	CC	TT	1940144648
SNP_P1_19287_42636016	NC_021160.1	Ca_kabuli_chr01	42636016	GG	CC	1940144649
SNP_P1_19288_42636017	NC_021160.1	Ca_kabuli_chr01	42636017	TT	AA	1940144650
SNP_P1_19289_42641920	NC_021160.1	Ca_kabuli_chr01	42641920	GG	AA	1940144651
SNP_P1_19291_42657200	NC_021160.1	Ca_kabuli_chr01	42657200	TT	GG	1940144652
SNP_P1_19292_42660818	NC_021160.1	Ca_kabuli_chr01	42660818	TT	CC	1940144653
SNP_P1_19293_42664609	NC_021160.1	Ca_kabuli_chr01	42664609	TT	CC	1940144654
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SNP_P1_19295_42692051	NC_021160.1	Ca_kabuli_chr01	42692051	GG	AA	1940144656
SNP_P1_19296_42721203	NC_021160.1	Ca_kabuli_chr01	42721203	AA	GG	1940144657
SNP_P1_19297_42736036	NC_021160.1	Ca_kabuli_chr01	42736036	AA	GG	1940144658
SNP_P1_19298_42740312	NC_021160.1	Ca_kabuli_chr01	42740312	TT	CC	1940144659
SNP_P1_19299_42749171	NC_021160.1	Ca_kabuli_chr01	42749171	GG	AA	1940144660
SNP_P1_19300_42749358	NC_021160.1	Ca_kabuli_chr01	42749358	CC	TT	1940144661
SNP_P1_19301_42749371	NC_021160.1	Ca_kabuli_chr01	42749371	AA	GG	1940144662
SNP_P1_19302_42761145	NC_021160.1	Ca_kabuli_chr01	42761145	AA	CC	1940144663
SNP_P1_19304_42786848	NC_021160.1	Ca_kabuli_chr01	42786848	CC	TT	1940144664
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SNP_P1_19307_42793885	NC_021160.1	Ca_kabuli_chr01	42793885	AA	TT	1940144667
SNP_P1_19308_42793937	NC_021160.1	Ca_kabuli_chr01	42793937	TT	CC	1940144668
SNP_P1_19309_42794158	NC_021160.1	Ca_kabuli_chr01	42794158	AA	GG	1940144670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19311_42794162	NC_021160.1	Ca_kabuli_chr01	42794162	TT	CC	1940144672
SNP_P1_19313_42820586	NC_021160.1	Ca_kabuli_chr01	42820586	GG	AA	1940144673
SNP_P1_19316_42848969	NC_021160.1	Ca_kabuli_chr01	42848969	CC	TT	1940144674
SNP_P1_19317_42862910	NC_021160.1	Ca_kabuli_chr01	42862910	AA	GG	1940144675
SNP_P1_19318_42880940	NC_021160.1	Ca_kabuli_chr01	42880940	AA	GG	1940144676
SNP_P1_19319_42903314	NC_021160.1	Ca_kabuli_chr01	42903314	AA	GG	1940144677
SNP_P1_19320_42903813	NC_021160.1	Ca_kabuli_chr01	42903813	GG	CC	1940144678
SNP_P1_19321_42915868	NC_021160.1	Ca_kabuli_chr01	42915868	AA	GG	1940144679
SNP_P1_19322_42919139	NC_021160.1	Ca_kabuli_chr01	42919139	TT	AA	1940144680
SNP_P1_19323_42919140	NC_021160.1	Ca_kabuli_chr01	42919140	CC	TT	1940144681
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SNP_P1_19325_42947898	NC_021160.1	Ca_kabuli_chr01	42947898	GG	TT	1940144683
SNP_P1_19326_42952040	NC_021160.1	Ca_kabuli_chr01	42952040	AA	GG	1940144684
SNP_P1_19327_42970533	NC_021160.1	Ca_kabuli_chr01	42970533	AA	GG	1940144685
SNP_P1_19328_42980037	NC_021160.1	Ca_kabuli_chr01	42980037	GG	CC	1940144686
SNP_P1_19329_42980750	NC_021160.1	Ca_kabuli_chr01	42980750	CC	TT	1940144687
SNP_P1_19330_43000919	NC_021160.1	Ca_kabuli_chr01	43000919	GG	TT	1940144688
SNP_P1_19331_43000939	NC_021160.1	Ca_kabuli_chr01	43000939	TT	AA	1940144689
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SNP_P1_19335_43012709	NC_021160.1	Ca_kabuli_chr01	43012709	GG	AA	1940144693
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SNP_P1_19340_43065708	NC_021160.1	Ca_kabuli_chr01	43065708	AA	GG	1940144698
SNP_P1_19341_43065715	NC_021160.1	Ca_kabuli_chr01	43065715	GG	AA	1940144699
SNP_P1_19342_43065724	NC_021160.1	Ca_kabuli_chr01	43065724	CC	GG	1940144700
SNP_P1_19343_43065746	NC_021160.1	Ca_kabuli_chr01	43065746	AA	GG	1940144701
SNP_P1_19344_43065779	NC_021160.1	Ca_kabuli_chr01	43065779	AA	GG	1940144703
SNP_P1_19345_43065792	NC_021160.1	Ca_kabuli_chr01	43065792	GG	CC	1940144704
SNP_P1_19346_43065818	NC_021160.1	Ca_kabuli_chr01	43065818	AA	TT	1940144705
SNP_P1_19347_43066111	NC_021160.1	Ca_kabuli_chr01	43066111	AA	GG	1940144706
SNP_P1_19348_43066179	NC_021160.1	Ca_kabuli_chr01	43066179	TT	GG	1940144707
SNP_P1_19349_43066267	NC_021160.1	Ca_kabuli_chr01	43066267	TT	CC	1940144708
SNP_P1_19350_43066970	NC_021160.1	Ca_kabuli_chr01	43066970	GG	CC	1940144709
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SNP_P1_19353_43067074	NC_021160.1	Ca_kabuli_chr01	43067074	AA	GG	1940144712
SNP_P1_19354_43067102	NC_021160.1	Ca_kabuli_chr01	43067102	TT	CC	1940144713

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19357_43119804	NC_021160.1	Ca_kabuli_chr01	43119804	GG	AA	1940144715
SNP_P1_19359_43123535	NC_021160.1	Ca_kabuli_chr01	43123535	TT	CC	1940144716
SNP_P1_19360_43133994	NC_021160.1	Ca_kabuli_chr01	43133994	TT	GG	1940144717
SNP_P1_19361_43139365	NC_021160.1	Ca_kabuli_chr01	43139365	CC	AA	1940144718
SNP_P1_19362_43139876	NC_021160.1	Ca_kabuli_chr01	43139876	TT	CC	1940144719
SNP_P1_19363_43160271	NC_021160.1	Ca_kabuli_chr01	43160271	AA	CC	1940144720
SNP_P1_19364_43160633	NC_021160.1	Ca_kabuli_chr01	43160633	AA	GG	1940144721
SNP_P1_19365_43165170	NC_021160.1	Ca_kabuli_chr01	43165170	AA	GG	1940144722
SNP_P1_19366_43165243	NC_021160.1	Ca_kabuli_chr01	43165243	GG	AA	1940144723
SNP_P1_19368_43222523	NC_021160.1	Ca_kabuli_chr01	43222523	TT	CC	1940144724
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SNP_P1_19373_43255625	NC_021160.1	Ca_kabuli_chr01	43255625	CC	AA	1940144728
SNP_P1_19375_43261266	NC_021160.1	Ca_kabuli_chr01	43261266	CC	AA	1940144729
SNP_P1_19376_43262307	NC_021160.1	Ca_kabuli_chr01	43262307	GG	AA	1940144730
SNP_P1_19378_43300400	NC_021160.1	Ca_kabuli_chr01	43300400	TT	GG	1940144731
SNP_P1_19379_43300861	NC_021160.1	Ca_kabuli_chr01	43300861	TT	AA	1940144732
SNP_P1_19380_43300876	NC_021160.1	Ca_kabuli_chr01	43300876	AA	GG	1940144733
SNP_P1_19381_43309739	NC_021160.1	Ca_kabuli_chr01	43309739	TT	CC	1940144734
SNP_P1_19383_43321906	NC_021160.1	Ca_kabuli_chr01	43321906	TT	AA	1940144735
SNP_P1_19384_43330847	NC_021160.1	Ca_kabuli_chr01	43330847	CC	TT	1940144736
SNP_P1_19386_43347620	NC_021160.1	Ca_kabuli_chr01	43347620	GG	AA	1940144737
SNP_P1_19387_43363060	NC_021160.1	Ca_kabuli_chr01	43363060	CC	GG	1940144739
SNP_P1_19388_43363068	NC_021160.1	Ca_kabuli_chr01	43363068	AA	GG	1940144740
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SNP_P1_19390_43393150	NC_021160.1	Ca_kabuli_chr01	43393150	CC	AA	1940144742
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SNP_P1_19392_43406848	NC_021160.1	Ca_kabuli_chr01	43406848	AA	TT	1940144744
SNP_P1_19393_43409423	NC_021160.1	Ca_kabuli_chr01	43409423	GG	TT	1940144745
SNP_P1_19394_43411837	NC_021160.1	Ca_kabuli_chr01	43411837	AA	TT	1940144746
SNP_P1_19395_43411855	NC_021160.1	Ca_kabuli_chr01	43411855	TT	CC	1940144747
SNP_P1_19396_43420328	NC_021160.1	Ca_kabuli_chr01	43420328	AA	GG	1940144748
SNP_P1_19397_43420331	NC_021160.1	Ca_kabuli_chr01	43420331	TT	GG	1940144749
SNP_P1_19398_43428539	NC_021160.1	Ca_kabuli_chr01	43428539	TT	AA	1940144750
SNP_P1_19399_43430370	NC_021160.1	Ca_kabuli_chr01	43430370	AA	GG	1940144751
SNP_P1_19400_43430649	NC_021160.1	Ca_kabuli_chr01	43430649	TT	GG	1940144752
SNP_P1_19401_43430695	NC_021160.1	Ca_kabuli_chr01	43430695	TT	CC	1940144753
SNP_P1_19402_43430973	NC_021160.1	Ca_kabuli_chr01	43430973	CC	TT	1940144754
SNP_P1_19403_43438272	NC_021160.1	Ca_kabuli_chr01	43438272	GG	AA	1940144755
SNP_P1_19404_43438378	NC_021160.1	Ca_kabuli_chr01	43438378	GG	AA	1940144756

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19409_43440899	NC_021160.1	Ca_kabuli_chr01	43440899	GG	AA	1940144759
SNP_P1_19410_43446754	NC_021160.1	Ca_kabuli_chr01	43446754	AA	GG	1940144760
SNP_P1_19412_43467491	NC_021160.1	Ca_kabuli_chr01	43467491	TT	AA	1940144761
SNP_P1_19413_43467957	NC_021160.1	Ca_kabuli_chr01	43467957	GG	AA	1940144762
SNP_P1_19414_43468003	NC_021160.1	Ca_kabuli_chr01	43468003	AA	TT	1940144763
SNP_P1_19415_43468006	NC_021160.1	Ca_kabuli_chr01	43468006	AA	TT	1940144764
SNP_P1_19417_43474265	NC_021160.1	Ca_kabuli_chr01	43474265	GG	AA	1940144765
SNP_P1_19418_43474269	NC_021160.1	Ca_kabuli_chr01	43474269	AA	GG	1940144766
SNP_P1_19419_43489680	NC_021160.1	Ca_kabuli_chr01	43489680	GG	AA	1940144767
SNP_P1_19420_43496459	NC_021160.1	Ca_kabuli_chr01	43496459	GG	AA	1940144768
SNP_P1_19421_43517100	NC_021160.1	Ca_kabuli_chr01	43517100	AA	TT	1940144769
SNP_P1_19422_43517104	NC_021160.1	Ca_kabuli_chr01	43517104	AA	CC	1940144770
SNP_P1_19423_43530805	NC_021160.1	Ca_kabuli_chr01	43530805	TT	GG	1940144771
SNP_P1_19425_43540361	NC_021160.1	Ca_kabuli_chr01	43540361	TT	CC	1940144773
SNP_P1_19426_43548076	NC_021160.1	Ca_kabuli_chr01	43548076	GG	AA	1940144774
SNP_P1_19428_43569231	NC_021160.1	Ca_kabuli_chr01	43569231	AA	CC	1940144775
SNP_P1_19429_43569283	NC_021160.1	Ca_kabuli_chr01	43569283	AA	GG	1940144776
SNP_P1_19430_43569311	NC_021160.1	Ca_kabuli_chr01	43569311	AA	TT	1940144777
SNP_P1_19431_43581502	NC_021160.1	Ca_kabuli_chr01	43581502	AA	GG	1940144778
SNP_P1_19433_43610374	NC_021160.1	Ca_kabuli_chr01	43610374	AA	CC	1940144779
SNP_P1_19434_43610378	NC_021160.1	Ca_kabuli_chr01	43610378	TT	GG	1940144780
SNP_P1_19435_43618073	NC_021160.1	Ca_kabuli_chr01	43618073	CC	GG	1940144781
SNP_P1_19437_43645215	NC_021160.1	Ca_kabuli_chr01	43645215	AA	GG	1940144782
SNP_P1_19438_43645575	NC_021160.1	Ca_kabuli_chr01	43645575	TT	CC	1940144783
SNP_P1_19440_43665022	NC_021160.1	Ca_kabuli_chr01	43665022	GG	TT	1940144784
SNP_P1_19442_43690125	NC_021160.1	Ca_kabuli_chr01	43690125	AA	CC	1940144785
SNP_P1_19443_43690265	NC_021160.1	Ca_kabuli_chr01	43690265	CC	TT	1940144786
SNP_P1_19444_43690272	NC_021160.1	Ca_kabuli_chr01	43690272	CC	TT	1940144787
SNP_P1_19445_43690281	NC_021160.1	Ca_kabuli_chr01	43690281	AA	TT	1940144788
SNP_P1_19446_43690411	NC_021160.1	Ca_kabuli_chr01	43690411	AA	CC	1940144789
SNP_P1_19447_43696329	NC_021160.1	Ca_kabuli_chr01	43696329	TT	CC	1940144790
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SNP_P1_19451_43743697	NC_021160.1	Ca_kabuli_chr01	43743697	GG	AA	1940144793
SNP_P1_19452_43769545	NC_021160.1	Ca_kabuli_chr01	43769545	GG	AA	1940144794
SNP_P1_19453_43774895	NC_021160.1	Ca_kabuli_chr01	43774895	AA	GG	1940144795
SNP_P1_19454_43775235	NC_021160.1	Ca_kabuli_chr01	43775235	TT	GG	1940144796
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SNP_P1_19456_43777005	NC_021160.1	Ca_kabuli_chr01	43777005	TT	CC	1940144798
SNP_P1_19457_43777281	NC_021160.1	Ca_kabuli_chr01	43777281	AA	TT	1940144799

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19459_43792565	NC_021160.1	Ca_kabuli_chr01	43792565	GG	AA	1940144801
SNP_P1_19460_43798916	NC_021160.1	Ca_kabuli_chr01	43798916	AA	CC	1940144802
SNP_P1_19461_43806423	NC_021160.1	Ca_kabuli_chr01	43806423	CC	TT	1940144804
SNP_P1_19462_43826357	NC_021160.1	Ca_kabuli_chr01	43826357	TT	CC	1940144805
SNP_P1_19463_43830031	NC_021160.1	Ca_kabuli_chr01	43830031	GG	AA	1940144806
SNP_P1_19464_43834226	NC_021160.1	Ca_kabuli_chr01	43834226	CC	AA	1940144807
SNP_P1_19467_43869810	NC_021160.1	Ca_kabuli_chr01	43869810	GG	AA	1940144808
SNP_P1_19468_43892540	NC_021160.1	Ca_kabuli_chr01	43892540	AA	GG	1940144809
SNP_P1_19469_43896328	NC_021160.1	Ca_kabuli_chr01	43896328	TT	CC	1940144810
SNP_P1_19470_43896329	NC_021160.1	Ca_kabuli_chr01	43896329	AA	GG	1940144811
SNP_P1_19471_43899281	NC_021160.1	Ca_kabuli_chr01	43899281	TT	CC	1940144812
SNP_P1_19472_43903801	NC_021160.1	Ca_kabuli_chr01	43903801	CC	TT	1940144813
SNP_P1_19473_43903806	NC_021160.1	Ca_kabuli_chr01	43903806	GG	AA	1940144814
SNP_P1_19474_43903852	NC_021160.1	Ca_kabuli_chr01	43903852	CC	TT	1940144815
SNP_P1_19475_43903864	NC_021160.1	Ca_kabuli_chr01	43903864	AA	GG	1940144816
SNP_P1_19476_43903927	NC_021160.1	Ca_kabuli_chr01	43903927	TT	CC	1940144817
SNP_P1_19477_43907347	NC_021160.1	Ca_kabuli_chr01	43907347	AA	GG	1940144818
SNP_P1_19478_43920712	NC_021160.1	Ca_kabuli_chr01	43920712	AA	GG	1940144819
SNP_P1_19479_43954920	NC_021160.1	Ca_kabuli_chr01	43954920	TT	CC	1940144820
SNP_P1_19480_43954930	NC_021160.1	Ca_kabuli_chr01	43954930	AA	TT	1940144821
SNP_P1_19482_43975572	NC_021160.1	Ca_kabuli_chr01	43975572	TT	CC	1940144822
SNP_P1_19483_43980312	NC_021160.1	Ca_kabuli_chr01	43980312	CC	TT	1940144823
SNP_P1_19484_43998475	NC_021160.1	Ca_kabuli_chr01	43998475	TT	CC	1940144824
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SNP_P1_19488_44039614	NC_021160.1	Ca_kabuli_chr01	44039614	CC	GG	1940144828
SNP_P1_19489_44048403	NC_021160.1	Ca_kabuli_chr01	44048403	AA	GG	1940144829
SNP_P1_19490_44050708	NC_021160.1	Ca_kabuli_chr01	44050708	CC	TT	1940144830
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SNP_P1_19493_44051233	NC_021160.1	Ca_kabuli_chr01	44051233	TT	GG	1940144832
SNP_P1_19494_44051253	NC_021160.1	Ca_kabuli_chr01	44051253	CC	TT	1940144833
SNP_P1_19495_44051574	NC_021160.1	Ca_kabuli_chr01	44051574	AA	GG	1940144834
SNP_P1_19496_44078159	NC_021160.1	Ca_kabuli_chr01	44078159	CC	TT	1940144835
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SNP_P1_19498_44083072	NC_021160.1	Ca_kabuli_chr01	44083072	AA	GG	1940144837
SNP_P1_19499_44104709	NC_021160.1	Ca_kabuli_chr01	44104709	CC	AA	1940144838
SNP_P1_19500_44119360	NC_021160.1	Ca_kabuli_chr01	44119360	AA	GG	1940144839
SNP_P1_19501_44129078	NC_021160.1	Ca_kabuli_chr01	44129078	AA	GG	1940144840
SNP_P1_19503_44160096	NC_021160.1	Ca_kabuli_chr01	44160096	AA	GG	1940144841
SNP_P1_19504_44160560	NC_021160.1	Ca_kabuli_chr01	44160560	TT	CC	1940144842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19506_44163923	NC_021160.1	Ca_kabuli_chr01	44163923	AA	GG	1940144844
SNP_P1_19508_44175182	NC_021160.1	Ca_kabuli_chr01	44175182	TT	AA	1940144845
SNP_P1_19509_44175193	NC_021160.1	Ca_kabuli_chr01	44175193	TT	CC	1940144846
SNP_P1_19510_44175210	NC_021160.1	Ca_kabuli_chr01	44175210	TT	CC	1940144848
SNP_P1_19511_44186151	NC_021160.1	Ca_kabuli_chr01	44186151	AA	GG	1940144849
SNP_P1_19512_44186152	NC_021160.1	Ca_kabuli_chr01	44186152	TT	CC	1940144850
SNP_P1_19513_44186159	NC_021160.1	Ca_kabuli_chr01	44186159	GG	AA	1940144851
SNP_P1_19514_44186219	NC_021160.1	Ca_kabuli_chr01	44186219	TT	AA	1940144852
SNP_P1_19515_44186222	NC_021160.1	Ca_kabuli_chr01	44186222	TT	GG	1940144853
SNP_P1_19516_44186327	NC_021160.1	Ca_kabuli_chr01	44186327	AA	GG	1940144854
SNP_P1_19517_44186597	NC_021160.1	Ca_kabuli_chr01	44186597	TT	CC	1940144855
SNP_P1_19518_44187187	NC_021160.1	Ca_kabuli_chr01	44187187	TT	CC	1940144856
SNP_P1_19519_44187293	NC_021160.1	Ca_kabuli_chr01	44187293	CC	AA	1940144857
SNP_P1_19520_44187342	NC_021160.1	Ca_kabuli_chr01	44187342	TT	CC	1940144858
SNP_P1_19522_44187380	NC_021160.1	Ca_kabuli_chr01	44187380	CC	TT	1940144859
SNP_P1_19523_44187467	NC_021160.1	Ca_kabuli_chr01	44187467	CC	TT	1940144860
SNP_P1_19524_44187597	NC_021160.1	Ca_kabuli_chr01	44187597	CC	AA	1940144861
SNP_P1_19525_44190155	NC_021160.1	Ca_kabuli_chr01	44190155	GG	TT	1940144862
SNP_P1_19526_44190585	NC_021160.1	Ca_kabuli_chr01	44190585	GG	AA	1940144863
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SNP_P1_19528_44204318	NC_021160.1	Ca_kabuli_chr01	44204318	TT	CC	1940144865
SNP_P1_19529_44204372	NC_021160.1	Ca_kabuli_chr01	44204372	TT	CC	1940144866
SNP_P1_19530_44205722	NC_021160.1	Ca_kabuli_chr01	44205722	GG	AA	1940144867
SNP_P1_19531_44205938	NC_021160.1	Ca_kabuli_chr01	44205938	TT	AA	1940144868
SNP_P1_19532_44205954	NC_021160.1	Ca_kabuli_chr01	44205954	AA	GG	1940144869
SNP_P1_19533_44205957	NC_021160.1	Ca_kabuli_chr01	44205957	TT	AA	1940144870
SNP_P1_19534_44205959	NC_021160.1	Ca_kabuli_chr01	44205959	TT	CC	1940144871
SNP_P1_19535_44205960	NC_021160.1	Ca_kabuli_chr01	44205960	GG	AA	1940144872
SNP_P1_19536_44205988	NC_021160.1	Ca_kabuli_chr01	44205988	CC	TT	1940144873
SNP_P1_19537_44206007	NC_021160.1	Ca_kabuli_chr01	44206007	AA	TT	1940144874
SNP_P1_19538_44206019	NC_021160.1	Ca_kabuli_chr01	44206019	AA	TT	1940144875
SNP_P1_19539_44206056	NC_021160.1	Ca_kabuli_chr01	44206056	AA	TT	1940144876
SNP_P1_19540_44206057	NC_021160.1	Ca_kabuli_chr01	44206057	TT	CC	1940144877
SNP_P1_19541_44206965	NC_021160.1	Ca_kabuli_chr01	44206965	AA	GG	1940144878
SNP_P1_19542_44207095	NC_021160.1	Ca_kabuli_chr01	44207095	AA	TT	1940144879
SNP_P1_19543_44207345	NC_021160.1	Ca_kabuli_chr01	44207345	AA	TT	1940144880
SNP_P1_19544_44207557	NC_021160.1	Ca_kabuli_chr01	44207557	AA	TT	1940144881
SNP_P1_19545_44207570	NC_021160.1	Ca_kabuli_chr01	44207570	CC	TT	1940144882
SNP_P1_19546_44209056	NC_021160.1	Ca_kabuli_chr01	44209056	TT	CC	1940144883
SNP_P1_19547_44209060	NC_021160.1	Ca_kabuli_chr01	44209060	GG	TT	1940144884
SNP_P1_19548_44209494	NC_021160.1	Ca_kabuli_chr01	44209494	GG	CC	1940144885

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19550_44219433	NC_021160.1	Ca_kabuli_chr01	44219433	GG	AA	1940144887
SNP_P1_19552_44267811	NC_021160.1	Ca_kabuli_chr01	44267811	CC	TT	1940144888
SNP_P1_19553_44268647	NC_021160.1	Ca_kabuli_chr01	44268647	AA	GG	1940144890
SNP_P1_19554_44275936	NC_021160.1	Ca_kabuli_chr01	44275936	TT	GG	1940144891
SNP_P1_19555_44275972	NC_021160.1	Ca_kabuli_chr01	44275972	AA	CC	1940144892
SNP_P1_19556_44276308	NC_021160.1	Ca_kabuli_chr01	44276308	TT	CC	1940144893
SNP_P1_19557_44276332	NC_021160.1	Ca_kabuli_chr01	44276332	CC	TT	1940144894
SNP_P1_19561_44369616	NC_021160.1	Ca_kabuli_chr01	44369616	CC	TT	1940144895
SNP_P1_19562_44371103	NC_021160.1	Ca_kabuli_chr01	44371103	TT	CC	1940144896
SNP_P1_19564_44374524	NC_021160.1	Ca_kabuli_chr01	44374524	AA	CC	1940144897
SNP_P1_19565_44374687	NC_021160.1	Ca_kabuli_chr01	44374687	TT	CC	1940144898
SNP_P1_19566_44374697	NC_021160.1	Ca_kabuli_chr01	44374697	TT	AA	1940144899
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SNP_P1_19568_44376340	NC_021160.1	Ca_kabuli_chr01	44376340	CC	GG	1940144901
SNP_P1_19569_44376356	NC_021160.1	Ca_kabuli_chr01	44376356	AA	GG	1940144902
SNP_P1_19570_44376380	NC_021160.1	Ca_kabuli_chr01	44376380	GG	AA	1940144903
SNP_P1_19571_44376383	NC_021160.1	Ca_kabuli_chr01	44376383	AA	GG	1940144904
SNP_P1_19572_44376397	NC_021160.1	Ca_kabuli_chr01	44376397	AA	TT	1940144905
SNP_P1_19573_44376431	NC_021160.1	Ca_kabuli_chr01	44376431	AA	CC	1940144906
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SNP_P1_19576_44376467	NC_021160.1	Ca_kabuli_chr01	44376467	TT	CC	1940144909
SNP_P1_19577_44376488	NC_021160.1	Ca_kabuli_chr01	44376488	CC	TT	1940144910
SNP_P1_19578_44376506	NC_021160.1	Ca_kabuli_chr01	44376506	TT	CC	1940144911
SNP_P1_19579_44376512	NC_021160.1	Ca_kabuli_chr01	44376512	GG	AA	1940144912
SNP_P1_19580_44376690	NC_021160.1	Ca_kabuli_chr01	44376690	AA	GG	1940144913
SNP_P1_19581_44376748	NC_021160.1	Ca_kabuli_chr01	44376748	TT	CC	1940144914
SNP_P1_19582_44384701	NC_021160.1	Ca_kabuli_chr01	44384701	CC	TT	1940144915
SNP_P1_19583_44384703	NC_021160.1	Ca_kabuli_chr01	44384703	GG	AA	1940144916
SNP_P1_19584_44384708	NC_021160.1	Ca_kabuli_chr01	44384708	TT	AA	1940144917
SNP_P1_19585_44384801	NC_021160.1	Ca_kabuli_chr01	44384801	GG	AA	1940144918
SNP_P1_19586_44384826	NC_021160.1	Ca_kabuli_chr01	44384826	AA	CC	1940144919
SNP_P1_19587_44385027	NC_021160.1	Ca_kabuli_chr01	44385027	AA	TT	1940144920
SNP_P1_19588_44393372	NC_021160.1	Ca_kabuli_chr01	44393372	AA	CC	1940144921
SNP_P1_19589_44402997	NC_021160.1	Ca_kabuli_chr01	44402997	TT	CC	1940144922
SNP_P1_19590_44403045	NC_021160.1	Ca_kabuli_chr01	44403045	TT	CC	1940144923
SNP_P1_19591_44403376	NC_021160.1	Ca_kabuli_chr01	44403376	GG	AA	1940144924
SNP_P1_19592_44404397	NC_021160.1	Ca_kabuli_chr01	44404397	TT	CC	1940144925
SNP_P1_19594_44427211	NC_021160.1	Ca_kabuli_chr01	44427211	CC	AA	1940144926
SNP_P1_19595_44427725	NC_021160.1	Ca_kabuli_chr01	44427725	GG	AA	1940144927
SNP_P1_19596_44427728	NC_021160.1	Ca_kabuli_chr01	44427728	GG	AA	1940144928

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19599_44428209	NC_021160.1	Ca_kabuli_chr01	44428209	TT	CC	1940144931
SNP_P1_19600_44428222	NC_021160.1	Ca_kabuli_chr01	44428222	AA	GG	1940144932
SNP_P1_19601_44428567	NC_021160.1	Ca_kabuli_chr01	44428567	TT	GG	1940144933
SNP_P1_19602_44436504	NC_021160.1	Ca_kabuli_chr01	44436504	GG	AA	1940144934
SNP_P1_19604_44467579	NC_021160.1	Ca_kabuli_chr01	44467579	TT	CC	1940144935
SNP_P1_19605_44468245	NC_021160.1	Ca_kabuli_chr01	44468245	TT	CC	1940144936
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SNP_P1_19608_44468715	NC_021160.1	Ca_kabuli_chr01	44468715	TT	GG	1940144938
SNP_P1_19609_44468725	NC_021160.1	Ca_kabuli_chr01	44468725	AA	GG	1940144940
SNP_P1_19610_44468790	NC_021160.1	Ca_kabuli_chr01	44468790	CC	TT	1940144941
SNP_P1_19611_44490973	NC_021160.1	Ca_kabuli_chr01	44490973	TT	AA	1940144942
SNP_P1_19612_44496825	NC_021160.1	Ca_kabuli_chr01	44496825	GG	AA	1940144943
SNP_P1_19613_44501051	NC_021160.1	Ca_kabuli_chr01	44501051	CC	TT	1940144944
SNP_P1_19614_44503554	NC_021160.1	Ca_kabuli_chr01	44503554	AA	TT	1940144945
SNP_P1_19615_44506293	NC_021160.1	Ca_kabuli_chr01	44506293	TT	CC	1940144946
SNP_P1_19616_44506472	NC_021160.1	Ca_kabuli_chr01	44506472	CC	TT	1940144947
SNP_P1_19617_44506490	NC_021160.1	Ca_kabuli_chr01	44506490	CC	GG	1940144948
SNP_P1_19618_44519058	NC_021160.1	Ca_kabuli_chr01	44519058	GG	AA	1940144949
SNP_P1_19619_44537559	NC_021160.1	Ca_kabuli_chr01	44537559	AA	GG	1940144950
SNP_P1_19620_44537587	NC_021160.1	Ca_kabuli_chr01	44537587	TT	AA	1940144951
SNP_P1_19621_44537599	NC_021160.1	Ca_kabuli_chr01	44537599	CC	GG	1940144952
SNP_P1_19622_44537611	NC_021160.1	Ca_kabuli_chr01	44537611	GG	AA	1940144953
SNP_P1_19623_44537671	NC_021160.1	Ca_kabuli_chr01	44537671	TT	CC	1940144954
SNP_P1_19624_44537679	NC_021160.1	Ca_kabuli_chr01	44537679	AA	GG	1940144955
SNP_P1_19625_44537704	NC_021160.1	Ca_kabuli_chr01	44537704	TT	CC	1940144956
SNP_P1_19626_44537714	NC_021160.1	Ca_kabuli_chr01	44537714	CC	AA	1940144957
SNP_P1_19627_44537725	NC_021160.1	Ca_kabuli_chr01	44537725	GG	AA	1940144958
SNP_P1_19628_44537791	NC_021160.1	Ca_kabuli_chr01	44537791	TT	CC	1940144959
SNP_P1_19629_44543353	NC_021160.1	Ca_kabuli_chr01	44543353	TT	CC	1940144960
SNP_P1_19630_44543400	NC_021160.1	Ca_kabuli_chr01	44543400	GG	AA	1940144961
SNP_P1_19631_44543575	NC_021160.1	Ca_kabuli_chr01	44543575	TT	CC	1940144962
SNP_P1_19632_44543576	NC_021160.1	Ca_kabuli_chr01	44543576	CC	AA	1940144963
SNP_P1_19633_44549119	NC_021160.1	Ca_kabuli_chr01	44549119	AA	GG	1940144964
SNP_P1_19634_44549124	NC_021160.1	Ca_kabuli_chr01	44549124	GG	AA	1940144965
SNP_P1_19635_44556795	NC_021160.1	Ca_kabuli_chr01	44556795	CC	TT	1940144966
SNP_P1_19636_44560144	NC_021160.1	Ca_kabuli_chr01	44560144	CC	TT	1940144967
SNP_P1_19637_44583690	NC_021160.1	Ca_kabuli_chr01	44583690	CC	TT	1940144968
SNP_P1_19638_44587833	NC_021160.1	Ca_kabuli_chr01	44587833	TT	CC	1940144969
SNP_P1_19640_44588318	NC_021160.1	Ca_kabuli_chr01	44588318	TT	GG	1940144970
SNP_P1_19641_44588933	NC_021160.1	Ca_kabuli_chr01	44588933	AA	GG	1940144971

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19643_44588951	NC_021160.1	Ca_kabuli_chr01	44588951	AA	CC	1940144973
SNP_P1_19644_44588986	NC_021160.1	Ca_kabuli_chr01	44588986	AA	GG	1940144974
SNP_P1_19645_44588988	NC_021160.1	Ca_kabuli_chr01	44588988	CC	TT	1940144975
SNP_P1_19646_44589027	NC_021160.1	Ca_kabuli_chr01	44589027	TT	GG	1940144976
SNP_P1_19647_44589126	NC_021160.1	Ca_kabuli_chr01	44589126	GG	TT	1940144977
SNP_P1_19648_44592279	NC_021160.1	Ca_kabuli_chr01	44592279	GG	AA	1940144978
SNP_P1_19649_44592294	NC_021160.1	Ca_kabuli_chr01	44592294	AA	GG	1940144979
SNP_P1_19650_44592395	NC_021160.1	Ca_kabuli_chr01	44592395	AA	CC	1940144980
SNP_P1_19651_44592398	NC_021160.1	Ca_kabuli_chr01	44592398	AA	CC	1940144982
SNP_P1_19652_44592416	NC_021160.1	Ca_kabuli_chr01	44592416	TT	GG	1940144983
SNP_P1_19653_44592476	NC_021160.1	Ca_kabuli_chr01	44592476	GG	AA	1940144984
SNP_P1_19655_44592546	NC_021160.1	Ca_kabuli_chr01	44592546	GG	AA	1940144985
SNP_P1_19656_44592562	NC_021160.1	Ca_kabuli_chr01	44592562	AA	GG	1940144986
SNP_P1_19657_44592563	NC_021160.1	Ca_kabuli_chr01	44592563	AA	GG	1940144987
SNP_P1_19658_44592574	NC_021160.1	Ca_kabuli_chr01	44592574	CC	AA	1940144988
SNP_P1_19660_44592606	NC_021160.1	Ca_kabuli_chr01	44592606	TT	CC	1940144989
SNP_P1_19661_44592626	NC_021160.1	Ca_kabuli_chr01	44592626	TT	CC	1940144990
SNP_P1_19662_44592641	NC_021160.1	Ca_kabuli_chr01	44592641	GG	AA	1940144991
SNP_P1_19663_44592660	NC_021160.1	Ca_kabuli_chr01	44592660	TT	CC	1940144992
SNP_P1_19664_44592673	NC_021160.1	Ca_kabuli_chr01	44592673	AA	GG	1940144993
SNP_P1_19665_44592807	NC_021160.1	Ca_kabuli_chr01	44592807	CC	TT	1940144994
SNP_P1_19666_44593087	NC_021160.1	Ca_kabuli_chr01	44593087	AA	GG	1940144995
SNP_P1_19667_44593104	NC_021160.1	Ca_kabuli_chr01	44593104	GG	AA	1940144996
SNP_P1_19668_44602385	NC_021160.1	Ca_kabuli_chr01	44602385	AA	GG	1940144997
SNP_P1_19669_44610916	NC_021160.1	Ca_kabuli_chr01	44610916	GG	TT	1940144998
SNP_P1_19670_44618457	NC_021160.1	Ca_kabuli_chr01	44618457	CC	TT	1940144999
SNP_P1_19671_44640629	NC_021160.1	Ca_kabuli_chr01	44640629	AA	CC	1940145000
SNP_P1_19672_44649011	NC_021160.1	Ca_kabuli_chr01	44649011	AA	GG	1940145001
SNP_P1_19673_44649226	NC_021160.1	Ca_kabuli_chr01	44649226	GG	AA	1940145002
SNP_P1_19674_44650041	NC_021160.1	Ca_kabuli_chr01	44650041	TT	GG	1940145003
SNP_P1_19675_44650125	NC_021160.1	Ca_kabuli_chr01	44650125	GG	TT	1940145004
SNP_P1_19677_44650377	NC_021160.1	Ca_kabuli_chr01	44650377	CC	TT	1940145005
SNP_P1_19678_44650459	NC_021160.1	Ca_kabuli_chr01	44650459	GG	CC	1940145006
SNP_P1_19679_44650756	NC_021160.1	Ca_kabuli_chr01	44650756	AA	CC	1940145007
SNP_P1_19680_44650825	NC_021160.1	Ca_kabuli_chr01	44650825	AA	GG	1940145008
SNP_P1_19681_44650855	NC_021160.1	Ca_kabuli_chr01	44650855	CC	TT	1940145009
SNP_P1_19682_44669709	NC_021160.1	Ca_kabuli_chr01	44669709	AA	TT	1940145010
SNP_P1_19683_44731459	NC_021160.1	Ca_kabuli_chr01	44731459	CC	AA	1940145011
SNP_P1_19686_44752095	NC_021160.1	Ca_kabuli_chr01	44752095	GG	AA	1940145012
SNP_P1_19687_44770448	NC_021160.1	Ca_kabuli_chr01	44770448	TT	GG	1940145013
SNP_P1_19688_44776076	NC_021160.1	Ca_kabuli_chr01	44776076	GG	AA	1940145014

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19691_44784003	NC_021160.1	Ca_kabuli_chr01	44784003	CC	TT	1940145016
SNP_P1_19692_44785467	NC_021160.1	Ca_kabuli_chr01	44785467	CC	AA	1940145017
SNP_P1_19693_44786318	NC_021160.1	Ca_kabuli_chr01	44786318	GG	TT	1940145018
SNP_P1_19694_44787874	NC_021160.1	Ca_kabuli_chr01	44787874	GG	TT	1940145019
SNP_P1_19695_44813500	NC_021160.1	Ca_kabuli_chr01	44813500	AA	GG	1940145020
SNP_P1_19696_44813850	NC_021160.1	Ca_kabuli_chr01	44813850	GG	AA	1940145021
SNP_P1_19697_44813862	NC_021160.1	Ca_kabuli_chr01	44813862	AA	GG	1940145022
SNP_P1_19698_44813869	NC_021160.1	Ca_kabuli_chr01	44813869	TT	CC	1940145023
SNP_P1_19699_44822591	NC_021160.1	Ca_kabuli_chr01	44822591	GG	CC	1940145025
SNP_P1_19700_44824726	NC_021160.1	Ca_kabuli_chr01	44824726	TT	AA	1940145026
SNP_P1_19701_44840247	NC_021160.1	Ca_kabuli_chr01	44840247	AA	GG	1940145027
SNP_P1_19702_44847011	NC_021160.1	Ca_kabuli_chr01	44847011	TT	CC	1940145028
SNP_P1_19703_44847075	NC_021160.1	Ca_kabuli_chr01	44847075	CC	TT	1940145029
SNP_P1_19705_44847118	NC_021160.1	Ca_kabuli_chr01	44847118	TT	AA	1940145030
SNP_P1_19706_44847153	NC_021160.1	Ca_kabuli_chr01	44847153	TT	AA	1940145031
SNP_P1_19707_44847154	NC_021160.1	Ca_kabuli_chr01	44847154	TT	AA	1940145032
SNP_P1_19708_44847222	NC_021160.1	Ca_kabuli_chr01	44847222	CC	AA	1940145033
SNP_P1_19710_44847307	NC_021160.1	Ca_kabuli_chr01	44847307	TT	CC	1940145034
SNP_P1_19712_44847540	NC_021160.1	Ca_kabuli_chr01	44847540	AA	CC	1940145035
SNP_P1_19713_44847551	NC_021160.1	Ca_kabuli_chr01	44847551	GG	TT	1940145036
SNP_P1_19714_44848477	NC_021160.1	Ca_kabuli_chr01	44848477	CC	TT	1940145037
SNP_P1_19715_44848538	NC_021160.1	Ca_kabuli_chr01	44848538	AA	GG	1940145038
SNP_P1_19716_44848563	NC_021160.1	Ca_kabuli_chr01	44848563	CC	TT	1940145039
SNP_P1_19717_44852882	NC_021160.1	Ca_kabuli_chr01	44852882	GG	CC	1940145040
SNP_P1_19718_44852912	NC_021160.1	Ca_kabuli_chr01	44852912	GG	AA	1940145041
SNP_P1_19719_44892510	NC_021160.1	Ca_kabuli_chr01	44892510	AA	CC	1940145042
SNP_P1_19720_44912190	NC_021160.1	Ca_kabuli_chr01	44912190	GG	AA	1940145043
SNP_P1_19721_44920236	NC_021160.1	Ca_kabuli_chr01	44920236	AA	CC	1940145044
SNP_P1_19722_44920264	NC_021160.1	Ca_kabuli_chr01	44920264	TT	AA	1940145045
SNP_P1_19723_44921165	NC_021160.1	Ca_kabuli_chr01	44921165	AA	GG	1940145046
SNP_P1_19725_44921444	NC_021160.1	Ca_kabuli_chr01	44921444	TT	CC	1940145047
SNP_P1_19726_44921633	NC_021160.1	Ca_kabuli_chr01	44921633	CC	TT	1940145048
SNP_P1_19727_44921666	NC_021160.1	Ca_kabuli_chr01	44921666	TT	CC	1940145049
SNP_P1_19728_44925067	NC_021160.1	Ca_kabuli_chr01	44925067	AA	GG	1940145050
SNP_P1_19729_44925070	NC_021160.1	Ca_kabuli_chr01	44925070	CC	TT	1940145051
SNP_P1_19730_44925115	NC_021160.1	Ca_kabuli_chr01	44925115	GG	AA	1940145052
SNP_P1_19731_44936513	NC_021160.1	Ca_kabuli_chr01	44936513	CC	TT	1940145053
SNP_P1_19732_44939561	NC_021160.1	Ca_kabuli_chr01	44939561	GG	CC	1940145054
SNP_P1_19733_44944000	NC_021160.1	Ca_kabuli_chr01	44944000	AA	GG	1940145055
SNP_P1_19734_44993946	NC_021160.1	Ca_kabuli_chr01	44993946	TT	CC	1940145056
SNP_P1_19735_44993948	NC_021160.1	Ca_kabuli_chr01	44993948	GG	AA	1940145057

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19737_45001806	NC_021160.1	Ca_kabuli_chr01	45001806	CC	TT	1940145059
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SNP_P1_19739_45002064	NC_021160.1	Ca_kabuli_chr01	45002064	TT	CC	1940145061
SNP_P1_19740_45002065	NC_021160.1	Ca_kabuli_chr01	45002065	CC	AA	1940145062
SNP_P1_19744_45033417	NC_021160.1	Ca_kabuli_chr01	45033417	GG	AA	1940145063
SNP_P1_19745_45037688	NC_021160.1	Ca_kabuli_chr01	45037688	CC	TT	1940145064
SNP_P1_19746_45046073	NC_021160.1	Ca_kabuli_chr01	45046073	AA	TT	1940145065
SNP_P1_19747_45047150	NC_021160.1	Ca_kabuli_chr01	45047150	CC	GG	1940145066
SNP_P1_19748_45057840	NC_021160.1	Ca_kabuli_chr01	45057840	GG	AA	1940145067
SNP_P1_19749_45057853	NC_021160.1	Ca_kabuli_chr01	45057853	GG	TT	1940145068
SNP_P1_19750_45058032	NC_021160.1	Ca_kabuli_chr01	45058032	AA	GG	1940145069
SNP_P1_19752_45058197	NC_021160.1	Ca_kabuli_chr01	45058197	AA	GG	1940145070
SNP_P1_19753_45058373	NC_021160.1	Ca_kabuli_chr01	45058373	TT	CC	1940145071
SNP_P1_19754_45058381	NC_021160.1	Ca_kabuli_chr01	45058381	TT	GG	1940145073
SNP_P1_19755_45058454	NC_021160.1	Ca_kabuli_chr01	45058454	GG	AA	1940145074
SNP_P1_19756_45058491	NC_021160.1	Ca_kabuli_chr01	45058491	AA	TT	1940145075
SNP_P1_19757_45090520	NC_021160.1	Ca_kabuli_chr01	45090520	CC	TT	1940145076
SNP_P1_19759_45123614	NC_021160.1	Ca_kabuli_chr01	45123614	CC	TT	1940145077
SNP_P1_19761_45126382	NC_021160.1	Ca_kabuli_chr01	45126382	CC	TT	1940145078
SNP_P1_19762_45169326	NC_021160.1	Ca_kabuli_chr01	45169326	GG	AA	1940145079
SNP_P1_19763_45169345	NC_021160.1	Ca_kabuli_chr01	45169345	TT	CC	1940145080
SNP_P1_19764_45169375	NC_021160.1	Ca_kabuli_chr01	45169375	CC	TT	1940145081
SNP_P1_19765_45169664	NC_021160.1	Ca_kabuli_chr01	45169664	AA	GG	1940145082
SNP_P1_19766_45170055	NC_021160.1	Ca_kabuli_chr01	45170055	GG	AA	1940145083
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SNP_P1_19769_45177108	NC_021160.1	Ca_kabuli_chr01	45177108	GG	CC	1940145086
SNP_P1_19770_45177111	NC_021160.1	Ca_kabuli_chr01	45177111	GG	AA	1940145087
SNP_P1_19771_45184552	NC_021160.1	Ca_kabuli_chr01	45184552	CC	TT	1940145088
SNP_P1_19772_45184581	NC_021160.1	Ca_kabuli_chr01	45184581	AA	TT	1940145089
SNP_P1_19773_45184587	NC_021160.1	Ca_kabuli_chr01	45184587	GG	TT	1940145090
SNP_P1_19774_45206853	NC_021160.1	Ca_kabuli_chr01	45206853	TT	GG	1940145091
SNP_P1_19775_45226733	NC_021160.1	Ca_kabuli_chr01	45226733	TT	AA	1940145092
SNP_P1_19776_45226734	NC_021160.1	Ca_kabuli_chr01	45226734	AA	CC	1940145093
SNP_P1_19777_45231878	NC_021160.1	Ca_kabuli_chr01	45231878	TT	GG	1940145094
SNP_P1_19778_45232277	NC_021160.1	Ca_kabuli_chr01	45232277	CC	GG	1940145095
SNP_P1_19779_45232327	NC_021160.1	Ca_kabuli_chr01	45232327	AA	GG	1940145096
SNP_P1_19782_45241677	NC_021160.1	Ca_kabuli_chr01	45241677	CC	GG	1940145097
SNP_P1_19783_45241764	NC_021160.1	Ca_kabuli_chr01	45241764	AA	GG	1940145098
SNP_P1_19784_45241791	NC_021160.1	Ca_kabuli_chr01	45241791	TT	CC	1940145099
SNP_P1_19786_45242209	NC_021160.1	Ca_kabuli_chr01	45242209	CC	AA	1940145100

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19788_45242478	NC_021160.1	Ca_kabuli_chr01	45242478	CC	TT	1940145102
SNP_P1_19789_45243778	NC_021160.1	Ca_kabuli_chr01	45243778	AA	CC	1940145103
SNP_P1_19791_45243808	NC_021160.1	Ca_kabuli_chr01	45243808	GG	CC	1940145104
SNP_P1_19792_45243814	NC_021160.1	Ca_kabuli_chr01	45243814	GG	CC	1940145105
SNP_P1_19793_45243855	NC_021160.1	Ca_kabuli_chr01	45243855	TT	CC	1940145106
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SNP_P1_19795_45244166	NC_021160.1	Ca_kabuli_chr01	45244166	TT	CC	1940145108
SNP_P1_19796_45244172	NC_021160.1	Ca_kabuli_chr01	45244172	CC	GG	1940145109
SNP_P1_19800_45255286	NC_021160.1	Ca_kabuli_chr01	45255286	GG	TT	1940145110
SNP_P1_19802_45265524	NC_021160.1	Ca_kabuli_chr01	45265524	TT	AA	1940145111
SNP_P1_19803_45265546	NC_021160.1	Ca_kabuli_chr01	45265546	CC	TT	1940145112
SNP_P1_19804_45265548	NC_021160.1	Ca_kabuli_chr01	45265548	CC	TT	1940145113
SNP_P1_19805_45267181	NC_021160.1	Ca_kabuli_chr01	45267181	GG	AA	1940145114
SNP_P1_19806_45275639	NC_021160.1	Ca_kabuli_chr01	45275639	TT	CC	1940145115
SNP_P1_19807_45289744	NC_021160.1	Ca_kabuli_chr01	45289744	GG	AA	1940145116
SNP_P1_19808_45298883	NC_021160.1	Ca_kabuli_chr01	45298883	TT	CC	1940145117
SNP_P1_19809_45305541	NC_021160.1	Ca_kabuli_chr01	45305541	AA	GG	1940145118
SNP_P1_19810_45305572	NC_021160.1	Ca_kabuli_chr01	45305572	CC	TT	1940145119
SNP_P1_19811_45306141	NC_021160.1	Ca_kabuli_chr01	45306141	AA	GG	1940145120
SNP_P1_19812_45306189	NC_021160.1	Ca_kabuli_chr01	45306189	GG	AA	1940145121
SNP_P1_19813_45332478	NC_021160.1	Ca_kabuli_chr01	45332478	GG	TT	1940145122
SNP_P1_19814_45332489	NC_021160.1	Ca_kabuli_chr01	45332489	TT	AA	1940145123
SNP_P1_19815_45332498	NC_021160.1	Ca_kabuli_chr01	45332498	TT	GG	1940145125
SNP_P1_19816_45332510	NC_021160.1	Ca_kabuli_chr01	45332510	AA	GG	1940145126
SNP_P1_19817_45332531	NC_021160.1	Ca_kabuli_chr01	45332531	AA	GG	1940145127
SNP_P1_19818_45332532	NC_021160.1	Ca_kabuli_chr01	45332532	TT	GG	1940145128
SNP_P1_19819_45332621	NC_021160.1	Ca_kabuli_chr01	45332621	AA	CC	1940145129
SNP_P1_19820_45332635	NC_021160.1	Ca_kabuli_chr01	45332635	AA	CC	1940145130
SNP_P1_19821_45332718	NC_021160.1	Ca_kabuli_chr01	45332718	CC	TT	1940145131
SNP_P1_19822_45332740	NC_021160.1	Ca_kabuli_chr01	45332740	AA	GG	1940145132
SNP_P1_19823_45332745	NC_021160.1	Ca_kabuli_chr01	45332745	TT	CC	1940145133
SNP_P1_19824_45332760	NC_021160.1	Ca_kabuli_chr01	45332760	TT	AA	1940145134
SNP_P1_19825_45332778	NC_021160.1	Ca_kabuli_chr01	45332778	GG	AA	1940145135
SNP_P1_19826_45332781	NC_021160.1	Ca_kabuli_chr01	45332781	TT	CC	1940145136
SNP_P1_19827_45332796	NC_021160.1	Ca_kabuli_chr01	45332796	CC	TT	1940145137
SNP_P1_19829_45333059	NC_021160.1	Ca_kabuli_chr01	45333059	GG	AA	1940145138
SNP_P1_19830_45333122	NC_021160.1	Ca_kabuli_chr01	45333122	TT	CC	1940145139
SNP_P1_19831_45337020	NC_021160.1	Ca_kabuli_chr01	45337020	AA	GG	1940145140
SNP_P1_19832_45337023	NC_021160.1	Ca_kabuli_chr01	45337023	TT	CC	1940145141
SNP_P1_19833_45337762	NC_021160.1	Ca_kabuli_chr01	45337762	AA	CC	1940145142
SNP_P1_19835_45351602	NC_021160.1	Ca_kabuli_chr01	45351602	CC	TT	1940145143

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19837_45360121	NC_021160.1	Ca_kabuli_chr01	45360121	AA	CC	1940145145
SNP_P1_19838_45360122	NC_021160.1	Ca_kabuli_chr01	45360122	GG	AA	1940145146
SNP_P1_19839_45372170	NC_021160.1	Ca_kabuli_chr01	45372170	TT	CC	1940145147
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SNP_P1_19841_45372535	NC_021160.1	Ca_kabuli_chr01	45372535	TT	GG	1940145149
SNP_P1_19842_45372537	NC_021160.1	Ca_kabuli_chr01	45372537	TT	GG	1940145150
SNP_P1_19843_45372615	NC_021160.1	Ca_kabuli_chr01	45372615	CC	TT	1940145151
SNP_P1_19844_45372626	NC_021160.1	Ca_kabuli_chr01	45372626	TT	CC	1940145152
SNP_P1_19845_45374105	NC_021160.1	Ca_kabuli_chr01	45374105	AA	GG	1940145153
SNP_P1_19846_45374156	NC_021160.1	Ca_kabuli_chr01	45374156	CC	AA	1940145154
SNP_P1_19847_45377980	NC_021160.1	Ca_kabuli_chr01	45377980	GG	CC	1940145155
SNP_P1_19848_45378010	NC_021160.1	Ca_kabuli_chr01	45378010	TT	CC	1940145156
SNP_P1_19849_45381907	NC_021160.1	Ca_kabuli_chr01	45381907	TT	GG	1940145157
SNP_P1_19851_45392079	NC_021160.1	Ca_kabuli_chr01	45392079	TT	CC	1940145158
SNP_P1_19852_45392105	NC_021160.1	Ca_kabuli_chr01	45392105	CC	AA	1940145159
SNP_P1_19853_45392155	NC_021160.1	Ca_kabuli_chr01	45392155	AA	GG	1940145160
SNP_P1_19854_45392293	NC_021160.1	Ca_kabuli_chr01	45392293	AA	CC	1940145161
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SNP_P1_19856_45392526	NC_021160.1	Ca_kabuli_chr01	45392526	CC	TT	1940145163
SNP_P1_19857_45392575	NC_021160.1	Ca_kabuli_chr01	45392575	TT	AA	1940145164
SNP_P1_19858_45392606	NC_021160.1	Ca_kabuli_chr01	45392606	AA	TT	1940145165
SNP_P1_19859_45392660	NC_021160.1	Ca_kabuli_chr01	45392660	AA	GG	1940145166
SNP_P1_19860_45392721	NC_021160.1	Ca_kabuli_chr01	45392721	CC	TT	1940145167
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SNP_P1_19866_45438348	NC_021160.1	Ca_kabuli_chr01	45438348	GG	AA	1940145171
SNP_P1_19867_45438627	NC_021160.1	Ca_kabuli_chr01	45438627	AA	GG	1940145172
SNP_P1_19868_45438633	NC_021160.1	Ca_kabuli_chr01	45438633	TT	GG	1940145173
SNP_P1_19869_45438672	NC_021160.1	Ca_kabuli_chr01	45438672	AA	GG	1940145174
SNP_P1_19870_45477727	NC_021160.1	Ca_kabuli_chr01	45477727	GG	AA	1940145175
SNP_P1_19871_45496998	NC_021160.1	Ca_kabuli_chr01	45496998	TT	GG	1940145176
SNP_P1_19872_45497016	NC_021160.1	Ca_kabuli_chr01	45497016	CC	TT	1940145177
SNP_P1_19873_45497025	NC_021160.1	Ca_kabuli_chr01	45497025	GG	AA	1940145178
SNP_P1_19874_45497049	NC_021160.1	Ca_kabuli_chr01	45497049	AA	GG	1940145179
SNP_P1_19876_45497213	NC_021160.1	Ca_kabuli_chr01	45497213	CC	AA	1940145180
SNP_P1_19877_45497309	NC_021160.1	Ca_kabuli_chr01	45497309	TT	CC	1940145182
SNP_P1_19878_45497346	NC_021160.1	Ca_kabuli_chr01	45497346	AA	CC	1940145183
SNP_P1_19879_45497483	NC_021160.1	Ca_kabuli_chr01	45497483	CC	GG	1940145184
SNP_P1_19880_45497510	NC_021160.1	Ca_kabuli_chr01	45497510	TT	CC	1940145185
SNP_P1_19881_45499313	NC_021160.1	Ca_kabuli_chr01	45499313	GG	AA	1940145186

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19884_45524852	NC_021160.1	Ca_kabuli_chr01	45524852	TT	GG	1940145188
SNP_P1_19885_45534347	NC_021160.1	Ca_kabuli_chr01	45534347	GG	AA	1940145189
SNP_P1_19886_45534582	NC_021160.1	Ca_kabuli_chr01	45534582	TT	GG	1940145190
SNP_P1_19887_45544124	NC_021160.1	Ca_kabuli_chr01	45544124	TT	CC	1940145191
SNP_P1_19888_45544379	NC_021160.1	Ca_kabuli_chr01	45544379	GG	TT	1940145192
SNP_P1_19889_45553145	NC_021160.1	Ca_kabuli_chr01	45553145	AA	GG	1940145193
SNP_P1_19890_45553150	NC_021160.1	Ca_kabuli_chr01	45553150	TT	CC	1940145194
SNP_P1_19891_45553165	NC_021160.1	Ca_kabuli_chr01	45553165	CC	TT	1940145195
SNP_P1_19892_45553168	NC_021160.1	Ca_kabuli_chr01	45553168	CC	AA	1940145196
SNP_P1_19893_45553220	NC_021160.1	Ca_kabuli_chr01	45553220	TT	CC	1940145197
SNP_P1_19894_45553234	NC_021160.1	Ca_kabuli_chr01	45553234	TT	CC	1940145198
SNP_P1_19895_45553250	NC_021160.1	Ca_kabuli_chr01	45553250	GG	AA	1940145199
SNP_P1_19896_45553262	NC_021160.1	Ca_kabuli_chr01	45553262	CC	TT	1940145200
SNP_P1_19897_45553283	NC_021160.1	Ca_kabuli_chr01	45553283	AA	GG	1940145201
SNP_P1_19899_45553545	NC_021160.1	Ca_kabuli_chr01	45553545	TT	CC	1940145202
SNP_P1_19900_45553595	NC_021160.1	Ca_kabuli_chr01	45553595	CC	AA	1940145203
SNP_P1_19901_45566302	NC_021160.1	Ca_kabuli_chr01	45566302	GG	CC	1940145204
SNP_P1_19902_45568196	NC_021160.1	Ca_kabuli_chr01	45568196	TT	CC	1940145205
SNP_P1_19903_45568212	NC_021160.1	Ca_kabuli_chr01	45568212	GG	AA	1940145206
SNP_P1_19904_45570975	NC_021160.1	Ca_kabuli_chr01	45570975	GG	AA	1940145207
SNP_P1_19905_45571219	NC_021160.1	Ca_kabuli_chr01	45571219	GG	AA	1940145208
SNP_P1_19906_45582484	NC_021160.1	Ca_kabuli_chr01	45582484	AA	CC	1940145209
SNP_P1_19907_45592791	NC_021160.1	Ca_kabuli_chr01	45592791	GG	AA	1940145210
SNP_P1_19908_45593006	NC_021160.1	Ca_kabuli_chr01	45593006	TT	CC	1940145211
SNP_P1_19909_45593052	NC_021160.1	Ca_kabuli_chr01	45593052	AA	GG	1940145212
SNP_P1_19910_45593053	NC_021160.1	Ca_kabuli_chr01	45593053	AA	GG	1940145213
SNP_P1_19911_45593070	NC_021160.1	Ca_kabuli_chr01	45593070	GG	TT	1940145214
SNP_P1_19912_45593076	NC_021160.1	Ca_kabuli_chr01	45593076	CC	GG	1940145215
SNP_P1_19913_45593089	NC_021160.1	Ca_kabuli_chr01	45593089	CC	TT	1940145216
SNP_P1_19914_45593118	NC_021160.1	Ca_kabuli_chr01	45593118	TT	CC	1940145217
SNP_P1_19916_45609371	NC_021160.1	Ca_kabuli_chr01	45609371	CC	TT	1940145218
SNP_P1_19917_45617871	NC_021160.1	Ca_kabuli_chr01	45617871	GG	AA	1940145219
SNP_P1_19918_45625532	NC_021160.1	Ca_kabuli_chr01	45625532	CC	TT	1940145220
SNP_P1_19919_45630903	NC_021160.1	Ca_kabuli_chr01	45630903	AA	GG	1940145221
SNP_P1_19920_45631251	NC_021160.1	Ca_kabuli_chr01	45631251	CC	TT	1940145222
SNP_P1_19921_45631285	NC_021160.1	Ca_kabuli_chr01	45631285	CC	TT	1940145223
SNP_P1_19923_45642601	NC_021160.1	Ca_kabuli_chr01	45642601	AA	GG	1940145224
SNP_P1_19924_45645467	NC_021160.1	Ca_kabuli_chr01	45645467	AA	CC	1940145225
SNP_P1_19925_45653927	NC_021160.1	Ca_kabuli_chr01	45653927	GG	AA	1940145226
SNP_P1_19926_45662723	NC_021160.1	Ca_kabuli_chr01	45662723	GG	AA	1940145227
SNP_P1_19927_45662781	NC_021160.1	Ca_kabuli_chr01	45662781	AA	GG	1940145228

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19930_45662799	NC_021160.1	Ca_kabuli_chr01	45662799	AA	TT	1940145231
SNP_P1_19931_45662862	NC_021160.1	Ca_kabuli_chr01	45662862	CC	TT	1940145232
SNP_P1_19932_45663330	NC_021160.1	Ca_kabuli_chr01	45663330	CC	TT	1940145233
SNP_P1_19934_45663405	NC_021160.1	Ca_kabuli_chr01	45663405	AA	GG	1940145234
SNP_P1_19935_45663431	NC_021160.1	Ca_kabuli_chr01	45663431	TT	GG	1940145236
SNP_P1_19937_45720442	NC_021160.1	Ca_kabuli_chr01	45720442	CC	GG	1940145237
SNP_P1_19938_45739003	NC_021160.1	Ca_kabuli_chr01	45739003	AA	TT	1940145238
SNP_P1_19939_45741183	NC_021160.1	Ca_kabuli_chr01	45741183	AA	TT	1940145239
SNP_P1_19941_45758225	NC_021160.1	Ca_kabuli_chr01	45758225	CC	AA	1940145240
SNP_P1_19942_45758750	NC_021160.1	Ca_kabuli_chr01	45758750	TT	CC	1940145241
SNP_P1_19943_45758759	NC_021160.1	Ca_kabuli_chr01	45758759	TT	AA	1940145242
SNP_P1_19944_45758763	NC_021160.1	Ca_kabuli_chr01	45758763	AA	GG	1940145243
SNP_P1_19945_45760880	NC_021160.1	Ca_kabuli_chr01	45760880	CC	TT	1940145244
SNP_P1_19946_45778735	NC_021160.1	Ca_kabuli_chr01	45778735	TT	CC	1940145245
SNP_P1_19947_45788085	NC_021160.1	Ca_kabuli_chr01	45788085	CC	TT	1940145246
SNP_P1_19948_45788216	NC_021160.1	Ca_kabuli_chr01	45788216	TT	AA	1940145247
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SNP_P1_19950_45798236	NC_021160.1	Ca_kabuli_chr01	45798236	CC	TT	1940145249
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SNP_P1_19952_45815096	NC_021160.1	Ca_kabuli_chr01	45815096	AA	GG	1940145251
SNP_P1_19953_45815103	NC_021160.1	Ca_kabuli_chr01	45815103	AA	CC	1940145252
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SNP_P1_19957_45860591	NC_021160.1	Ca_kabuli_chr01	45860591	CC	TT	1940145256
SNP_P1_19958_45860612	NC_021160.1	Ca_kabuli_chr01	45860612	TT	AA	1940145257
SNP_P1_19960_45876137	NC_021160.1	Ca_kabuli_chr01	45876137	GG	AA	1940145258
SNP_P1_19961_45876551	NC_021160.1	Ca_kabuli_chr01	45876551	TT	AA	1940145259
SNP_P1_19962_45876554	NC_021160.1	Ca_kabuli_chr01	45876554	TT	AA	1940145260
SNP_P1_19963_45882600	NC_021160.1	Ca_kabuli_chr01	45882600	TT	CC	1940145261
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SNP_P1_19966_45913987	NC_021160.1	Ca_kabuli_chr01	45913987	TT	AA	1940145264
SNP_P1_19967_45913992	NC_021160.1	Ca_kabuli_chr01	45913992	CC	TT	1940145265
SNP_P1_19968_45913996	NC_021160.1	Ca_kabuli_chr01	45913996	GG	AA	1940145266
SNP_P1_19969_45914347	NC_021160.1	Ca_kabuli_chr01	45914347	AA	GG	1940145267
SNP_P1_19970_45914354	NC_021160.1	Ca_kabuli_chr01	45914354	TT	CC	1940145268
SNP_P1_19971_45914362	NC_021160.1	Ca_kabuli_chr01	45914362	AA	TT	1940145269
SNP_P1_19972_45914436	NC_021160.1	Ca_kabuli_chr01	45914436	TT	CC	1940145270
SNP_P1_19974_45915431	NC_021160.1	Ca_kabuli_chr01	45915431	CC	TT	1940145271

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_19976_45931702	NC_021160.1	Ca_kabuli_chr01	45931702	TT	CC	1940145273
SNP_P1_19980_45953582	NC_021160.1	Ca_kabuli_chr01	45953582	GG	TT	1940145274
SNP_P1_19982_45958214	NC_021160.1	Ca_kabuli_chr01	45958214	AA	TT	1940145275
SNP_P1_19983_46001989	NC_021160.1	Ca_kabuli_chr01	46001989	TT	GG	1940145276
SNP_P1_19985_46009500	NC_021160.1	Ca_kabuli_chr01	46009500	CC	TT	1940145277
SNP_P1_19987_46055727	NC_021160.1	Ca_kabuli_chr01	46055727	AA	GG	1940145278
SNP_P1_19988_46065868	NC_021160.1	Ca_kabuli_chr01	46065868	CC	TT	1940145279
SNP_P1_19989_46066109	NC_021160.1	Ca_kabuli_chr01	46066109	AA	CC	1940145280
SNP_P1_19990_46066173	NC_021160.1	Ca_kabuli_chr01	46066173	AA	CC	1940145281
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SNP_P1_19994_46066296	NC_021160.1	Ca_kabuli_chr01	46066296	GG	AA	1940145285
SNP_P1_19995_46066302	NC_021160.1	Ca_kabuli_chr01	46066302	GG	TT	1940145286
SNP_P1_19996_46066347	NC_021160.1	Ca_kabuli_chr01	46066347	GG	TT	1940145287
SNP_P1_19997_46068398	NC_021160.1	Ca_kabuli_chr01	46068398	GG	TT	1940145288
SNP_P1_19998_46068405	NC_021160.1	Ca_kabuli_chr01	46068405	GG	TT	1940145290
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SNP_P1_20000_46083394	NC_021160.1	Ca_kabuli_chr01	46083394	CC	TT	1940145292
SNP_P1_20001_46083409	NC_021160.1	Ca_kabuli_chr01	46083409	CC	AA	1940145293
SNP_P1_20002_46086735	NC_021160.1	Ca_kabuli_chr01	46086735	GG	AA	1940145294
SNP_P1_20003_46086781	NC_021160.1	Ca_kabuli_chr01	46086781	TT	CC	1940145295
SNP_P1_20004_46086816	NC_021160.1	Ca_kabuli_chr01	46086816	GG	TT	1940145296
SNP_P1_20005_46087087	NC_021160.1	Ca_kabuli_chr01	46087087	TT	AA	1940145297
SNP_P1_20006_46087996	NC_021160.1	Ca_kabuli_chr01	46087996	GG	AA	1940145298
SNP_P1_20007_46088009	NC_021160.1	Ca_kabuli_chr01	46088009	AA	GG	1940145299
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SNP_P1_20009_46088122	NC_021160.1	Ca_kabuli_chr01	46088122	TT	GG	1940145301
SNP_P1_20010_46088742	NC_021160.1	Ca_kabuli_chr01	46088742	GG	CC	1940145302
SNP_P1_20012_46090880	NC_021160.1	Ca_kabuli_chr01	46090880	GG	AA	1940145303
SNP_P1_20013_46104851	NC_021160.1	Ca_kabuli_chr01	46104851	AA	TT	1940145304
SNP_P1_20014_46116911	NC_021160.1	Ca_kabuli_chr01	46116911	AA	GG	1940145305
SNP_P1_20015_46116914	NC_021160.1	Ca_kabuli_chr01	46116914	AA	GG	1940145306
SNP_P1_20016_46116918	NC_021160.1	Ca_kabuli_chr01	46116918	GG	AA	1940145307
SNP_P1_20017_46119965	NC_021160.1	Ca_kabuli_chr01	46119965	TT	CC	1940145308
SNP_P1_20018_46121642	NC_021160.1	Ca_kabuli_chr01	46121642	TT	GG	1940145309
SNP_P1_20020_46148940	NC_021160.1	Ca_kabuli_chr01	46148940	TT	CC	1940145310
SNP_P1_20021_46155025	NC_021160.1	Ca_kabuli_chr01	46155025	TT	CC	1940145311
SNP_P1_20022_46166441	NC_021160.1	Ca_kabuli_chr01	46166441	GG	AA	1940145312
SNP_P1_20023_46171346	NC_021160.1	Ca_kabuli_chr01	46171346	AA	GG	1940145313
SNP_P1_20024_46171497	NC_021160.1	Ca_kabuli_chr01	46171497	TT	AA	1940145314

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_20025_46171677	NC_021160.1	Ca_kabuli_chr01	46171677	CC	TT	1940145315
SNP_P1_20026_46171753	NC_021160.1	Ca_kabuli_chr01	46171753	TT	CC	1940145316
SNP_P1_20027_46171756	NC_021160.1	Ca_kabuli_chr01	46171756	AA	TT	1940145317
SNP_P1_20028_46174087	NC_021160.1	Ca_kabuli_chr01	46174087	TT	CC	1940145318
SNP_P1_20029_46174172	NC_021160.1	Ca_kabuli_chr01	46174172	TT	CC	1940145319
SNP_P1_20030_46174560	NC_021160.1	Ca_kabuli_chr01	46174560	AA	TT	1940145320
SNP_P1_20031_46174605	NC_021160.1	Ca_kabuli_chr01	46174605	AA	GG	1940145321
SNP_P1_20032_46174692	NC_021160.1	Ca_kabuli_chr01	46174692	AA	GG	1940145322
SNP_P1_20033_46176362	NC_021160.1	Ca_kabuli_chr01	46176362	GG	TT	1940145323
SNP_P1_20034_46177907	NC_021160.1	Ca_kabuli_chr01	46177907	AA	CC	1940145324
SNP_P1_20035_46177933	NC_021160.1	Ca_kabuli_chr01	46177933	AA	GG	1940145325
SNP_P1_20038_46178302	NC_021160.1	Ca_kabuli_chr01	46178302	CC	TT	1940145326
SNP_P1_20039_46179595	NC_021160.1	Ca_kabuli_chr01	46179595	AA	GG	1940145327
SNP_P1_20041_46192223	NC_021160.1	Ca_kabuli_chr01	46192223	AA	TT	1940145328
SNP_P1_20042_46192281	NC_021160.1	Ca_kabuli_chr01	46192281	TT	CC	1940145329
SNP_P1_20043_46192333	NC_021160.1	Ca_kabuli_chr01	46192333	AA	GG	1940145330
SNP_P1_20044_46192349	NC_021160.1	Ca_kabuli_chr01	46192349	AA	GG	1940145331
SNP_P1_20045_46192350	NC_021160.1	Ca_kabuli_chr01	46192350	TT	CC	1940145332
SNP_P1_20046_46192432	NC_021160.1	Ca_kabuli_chr01	46192432	TT	CC	1940145333
SNP_P1_20047_46192576	NC_021160.1	Ca_kabuli_chr01	46192576	TT	GG	1940145334
SNP_P1_20048_46192584	NC_021160.1	Ca_kabuli_chr01	46192584	GG	AA	1940145335
SNP_P1_20049_46192601	NC_021160.1	Ca_kabuli_chr01	46192601	CC	TT	1940145336
SNP_P1_20052_46256556	NC_021160.1	Ca_kabuli_chr01	46256556	TT	CC	1940145337
SNP_P1_20053_46256686	NC_021160.1	Ca_kabuli_chr01	46256686	TT	CC	1940145338
SNP_P1_20056_46259556	NC_021160.1	Ca_kabuli_chr01	46259556	AA	TT	1940145340
SNP_P1_20058_46277976	NC_021160.1	Ca_kabuli_chr01	46277976	TT	AA	1940145341
SNP_P1_20059_46278110	NC_021160.1	Ca_kabuli_chr01	46278110	TT	GG	1940145342
SNP_P1_20060_46278154	NC_021160.1	Ca_kabuli_chr01	46278154	GG	TT	1940145343
SNP_P1_20061_46278258	NC_021160.1	Ca_kabuli_chr01	46278258	TT	CC	1940145344
SNP_P1_20062_46278391	NC_021160.1	Ca_kabuli_chr01	46278391	GG	AA	1940145345
SNP_P1_20064_46279213	NC_021160.1	Ca_kabuli_chr01	46279213	TT	AA	1940145346
SNP_P1_20065_46279214	NC_021160.1	Ca_kabuli_chr01	46279214	TT	AA	1940145347
SNP_P1_20066_46279263	NC_021160.1	Ca_kabuli_chr01	46279263	TT	CC	1940145348
SNP_P1_20067_46279303	NC_021160.1	Ca_kabuli_chr01	46279303	AA	CC	1940145349
SNP_P1_20068_46279420	NC_021160.1	Ca_kabuli_chr01	46279420	TT	CC	1940145350
SNP_P1_20069_46279552	NC_021160.1	Ca_kabuli_chr01	46279552	CC	TT	1940145351
SNP_P1_20070_46279881	NC_021160.1	Ca_kabuli_chr01	46279881	TT	CC	1940145352
SNP_P1_20071_46279986	NC_021160.1	Ca_kabuli_chr01	46279986	CC	TT	1940145353
SNP_P1_20072_46280136	NC_021160.1	Ca_kabuli_chr01	46280136	AA	CC	1940145354
SNP_P1_20073_46280421	NC_021160.1	Ca_kabuli_chr01	46280421	AA	GG	1940145355
SNP_P1_20074_46280423	NC_021160.1	Ca_kabuli_chr01	46280423	TT	CC	1940145356
SNP_P1_20075_46280468	NC_021160.1	Ca_kabuli_chr01	46280468	AA	CC	1940145357

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_20076_46280526	NC_021160.1	Ca_kabuli_chr01	46280526	GG	AA	1940145358
SNP_P1_20077_46280783	NC_021160.1	Ca_kabuli_chr01	46280783	TT	GG	1940145359
SNP_P1_20078_46281110	NC_021160.1	Ca_kabuli_chr01	46281110	TT	CC	1940145360
SNP_P1_20079_46282795	NC_021160.1	Ca_kabuli_chr01	46282795	AA	TT	1940145361
SNP_P1_20081_46283478	NC_021160.1	Ca_kabuli_chr01	46283478	GG	TT	1940145362
SNP_P1_20082_46283946	NC_021160.1	Ca_kabuli_chr01	46283946	CC	AA	1940145363
SNP_P1_20083_46284112	NC_021160.1	Ca_kabuli_chr01	46284112	CC	TT	1940145364
SNP_P1_20085_46284673	NC_021160.1	Ca_kabuli_chr01	46284673	GG	AA	1940145365
SNP_P1_20086_46284997	NC_021160.1	Ca_kabuli_chr01	46284997	CC	TT	1940145366
SNP_P1_20087_46285113	NC_021160.1	Ca_kabuli_chr01	46285113	GG	AA	1940145367
SNP_P1_20088_46285294	NC_021160.1	Ca_kabuli_chr01	46285294	CC	TT	1940145368
SNP_P1_20089_46285302	NC_021160.1	Ca_kabuli_chr01	46285302	GG	AA	1940145369
SNP_P1_20090_46285622	NC_021160.1	Ca_kabuli_chr01	46285622	GG	TT	1940145370
SNP_P1_20091_46285789	NC_021160.1	Ca_kabuli_chr01	46285789	GG	CC	1940145371
SNP_P1_20092_46285870	NC_021160.1	Ca_kabuli_chr01	46285870	GG	CC	1940145372
SNP_P1_20093_46286015	NC_021160.1	Ca_kabuli_chr01	46286015	TT	GG	1940145373
SNP_P1_20094_46286059	NC_021160.1	Ca_kabuli_chr01	46286059	GG	TT	1940145374
SNP_P1_20095_46286066	NC_021160.1	Ca_kabuli_chr01	46286066	AA	GG	1940145375
SNP_P1_20096_46286530	NC_021160.1	Ca_kabuli_chr01	46286530	TT	GG	1940145376
SNP_P1_20097_46286560	NC_021160.1	Ca_kabuli_chr01	46286560	GG	CC	1940145377
SNP_P1_20100_46286732	NC_021160.1	Ca_kabuli_chr01	46286732	TT	GG	1940145378
SNP_P1_20101_46290493	NC_021160.1	Ca_kabuli_chr01	46290493	AA	TT	1940145379
SNP_P1_20104_46324394	NC_021160.1	Ca_kabuli_chr01	46324394	TT	GG	1940145380
SNP_P1_20105_46325889	NC_021160.1	Ca_kabuli_chr01	46325889	CC	TT	1940145381
SNP_P1_20106_46325912	NC_021160.1	Ca_kabuli_chr01	46325912	GG	AA	1940145382
SNP_P1_20107_46325915	NC_021160.1	Ca_kabuli_chr01	46325915	AA	CC	1940145383
SNP_P1_20108_46325916	NC_021160.1	Ca_kabuli_chr01	46325916	TT	AA	1940145384
SNP_P1_20109_46327410	NC_021160.1	Ca_kabuli_chr01	46327410	CC	TT	1940145385
SNP_P1_20110_46328676	NC_021160.1	Ca_kabuli_chr01	46328676	TT	CC	1940145387
SNP_P1_20111_46334290	NC_021160.1	Ca_kabuli_chr01	46334290	CC	AA	1940145388
SNP_P1_20112_46334310	NC_021160.1	Ca_kabuli_chr01	46334310	AA	GG	1940145389
SNP_P1_20113_46334324	NC_021160.1	Ca_kabuli_chr01	46334324	TT	AA	1940145390
SNP_P1_20114_46334331	NC_021160.1	Ca_kabuli_chr01	46334331	TT	CC	1940145391
SNP_P1_20115_46334334	NC_021160.1	Ca_kabuli_chr01	46334334	GG	AA	1940145392
SNP_P1_20116_46342508	NC_021160.1	Ca_kabuli_chr01	46342508	CC	TT	1940145393
SNP_P1_20117_46342582	NC_021160.1	Ca_kabuli_chr01	46342582	AA	GG	1940145394
SNP_P1_20118_46351682	NC_021160.1	Ca_kabuli_chr01	46351682	GG	AA	1940145395
SNP_P1_20119_46351707	NC_021160.1	Ca_kabuli_chr01	46351707	TT	AA	1940145396
SNP_P1_20120_46351730	NC_021160.1	Ca_kabuli_chr01	46351730	GG	AA	1940145397
SNP_P1_20121_46351742	NC_021160.1	Ca_kabuli_chr01	46351742	AA	CC	1940145398
SNP_P1_20122_46351774	NC_021160.1	Ca_kabuli_chr01	46351774	CC	TT	1940145399
SNP_P1_20123_46351864	NC_021160.1	Ca_kabuli_chr01	46351864	TT	CC	1940145400

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_20124_46351929	NC_021160.1	Ca_kabuli_chr01	46351929	TT	CC	1940145401
SNP_P1_20125_46352020	NC_021160.1	Ca_kabuli_chr01	46352020	AA	GG	1940145402
SNP_P1_20126_46352041	NC_021160.1	Ca_kabuli_chr01	46352041	GG	TT	1940145403
SNP_P1_20127_46352044	NC_021160.1	Ca_kabuli_chr01	46352044	GG	AA	1940145404
SNP_P1_20128_46352057	NC_021160.1	Ca_kabuli_chr01	46352057	AA	CC	1940145405
SNP_P1_20129_46352070	NC_021160.1	Ca_kabuli_chr01	46352070	AA	GG	1940145406
SNP_P1_20130_46352104	NC_021160.1	Ca_kabuli_chr01	46352104	AA	GG	1940145407
SNP_P1_20132_46352220	NC_021160.1	Ca_kabuli_chr01	46352220	TT	GG	1940145408
SNP_P1_20133_46352257	NC_021160.1	Ca_kabuli_chr01	46352257	CC	GG	1940145409
SNP_P1_20134_46352262	NC_021160.1	Ca_kabuli_chr01	46352262	TT	CC	1940145410
SNP_P1_20135_46381762	NC_021160.1	Ca_kabuli_chr01	46381762	TT	AA	1940145411
SNP_P1_20136_46381776	NC_021160.1	Ca_kabuli_chr01	46381776	TT	AA	1940145413
SNP_P1_20138_46384208	NC_021160.1	Ca_kabuli_chr01	46384208	TT	GG	1940145414
SNP_P1_20139_46385306	NC_021160.1	Ca_kabuli_chr01	46385306	CC	AA	1940145415
SNP_P1_20140_46388134	NC_021160.1	Ca_kabuli_chr01	46388134	TT	GG	1940145416
SNP_P1_20141_46392133	NC_021160.1	Ca_kabuli_chr01	46392133	TT	GG	1940145417
SNP_P1_20142_46392135	NC_021160.1	Ca_kabuli_chr01	46392135	TT	CC	1940145418
SNP_P1_20143_46394826	NC_021160.1	Ca_kabuli_chr01	46394826	GG	AA	1940145419
SNP_P1_20144_46395019	NC_021160.1	Ca_kabuli_chr01	46395019	CC	TT	1940145420
SNP_P1_20145_46404167	NC_021160.1	Ca_kabuli_chr01	46404167	AA	TT	1940145421
SNP_P1_20146_46404508	NC_021160.1	Ca_kabuli_chr01	46404508	TT	CC	1940145422
SNP_P1_20148_46420999	NC_021160.1	Ca_kabuli_chr01	46420999	TT	AA	1940145423
SNP_P1_20149_46449950	NC_021160.1	Ca_kabuli_chr01	46449950	TT	GG	1940145424
SNP_P1_20150_46454343	NC_021160.1	Ca_kabuli_chr01	46454343	AA	GG	1940145425
SNP_P1_20151_46456567	NC_021160.1	Ca_kabuli_chr01	46456567	GG	AA	1940145426
SNP_P1_20152_46469219	NC_021160.1	Ca_kabuli_chr01	46469219	CC	TT	1940145427
SNP_P1_20153_46491568	NC_021160.1	Ca_kabuli_chr01	46491568	TT	CC	1940145428
SNP_P1_20155_46491776	NC_021160.1	Ca_kabuli_chr01	46491776	CC	TT	1940145429
SNP_P1_20156_46499682	NC_021160.1	Ca_kabuli_chr01	46499682	GG	AA	1940145430
SNP_P1_20157_46499742	NC_021160.1	Ca_kabuli_chr01	46499742	GG	TT	1940145431
SNP_P1_20158_46500251	NC_021160.1	Ca_kabuli_chr01	46500251	CC	TT	1940145432
SNP_P1_20159_46500252	NC_021160.1	Ca_kabuli_chr01	46500252	CC	TT	1940145433
SNP_P1_20160_46507224	NC_021160.1	Ca_kabuli_chr01	46507224	GG	AA	1940145434
SNP_P1_20161_46522528	NC_021160.1	Ca_kabuli_chr01	46522528	GG	AA	1940145435
SNP_P1_20162_46522590	NC_021160.1	Ca_kabuli_chr01	46522590	GG	AA	1940145436
SNP_P1_20163_46523221	NC_021160.1	Ca_kabuli_chr01	46523221	TT	CC	1940145437
SNP_P1_20164_46523387	NC_021160.1	Ca_kabuli_chr01	46523387	TT	GG	1940145438
SNP_P1_20166_46523582	NC_021160.1	Ca_kabuli_chr01	46523582	AA	CC	1940145439
SNP_P1_20168_46524525	NC_021160.1	Ca_kabuli_chr01	46524525	TT	GG	1940145440
SNP_P1_20169_46524638	NC_021160.1	Ca_kabuli_chr01	46524638	TT	CC	1940145441
SNP_P1_20170_46524689	NC_021160.1	Ca_kabuli_chr01	46524689	CC	TT	1940145442
SNP_P1_20171_46524696	NC_021160.1	Ca_kabuli_chr01	46524696	CC	GG	1940145443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_20172_46524740	NC_021160.1	Ca_kabuli_chr01	46524740	GG	TT	1940145444
SNP_P1_20173_46525525	NC_021160.1	Ca_kabuli_chr01	46525525	GG	AA	1940145445
SNP_P1_20175_46526227	NC_021160.1	Ca_kabuli_chr01	46526227	AA	GG	1940145446
SNP_P1_20176_46526315	NC_021160.1	Ca_kabuli_chr01	46526315	TT	CC	1940145447
SNP_P1_20179_46527736	NC_021160.1	Ca_kabuli_chr01	46527736	CC	TT	1940145449
SNP_P1_20180_46527737	NC_021160.1	Ca_kabuli_chr01	46527737	CC	TT	1940145450
SNP_P1_20181_46527760	NC_021160.1	Ca_kabuli_chr01	46527760	AA	GG	1940145451
SNP_P1_20182_46527842	NC_021160.1	Ca_kabuli_chr01	46527842	GG	TT	1940145452
SNP_P1_20183_46527914	NC_021160.1	Ca_kabuli_chr01	46527914	CC	TT	1940145453
SNP_P1_20184_46528032	NC_021160.1	Ca_kabuli_chr01	46528032	TT	CC	1940145454
SNP_P1_20185_46528070	NC_021160.1	Ca_kabuli_chr01	46528070	TT	CC	1940145455
SNP_P1_20186_46528205	NC_021160.1	Ca_kabuli_chr01	46528205	TT	CC	1940145456
SNP_P1_20187_46528327	NC_021160.1	Ca_kabuli_chr01	46528327	TT	AA	1940145457
SNP_P1_20188_46528351	NC_021160.1	Ca_kabuli_chr01	46528351	GG	AA	1940145458
SNP_P1_20190_46528669	NC_021160.1	Ca_kabuli_chr01	46528669	CC	TT	1940145459
SNP_P1_20191_46528715	NC_021160.1	Ca_kabuli_chr01	46528715	AA	GG	1940145460
SNP_P1_20193_46528767	NC_021160.1	Ca_kabuli_chr01	46528767	AA	GG	1940145461
SNP_P1_20194_46529096	NC_021160.1	Ca_kabuli_chr01	46529096	TT	CC	1940145462
SNP_P1_20195_46529312	NC_021160.1	Ca_kabuli_chr01	46529312	AA	GG	1940145463
SNP_P1_20196_46529335	NC_021160.1	Ca_kabuli_chr01	46529335	TT	CC	1940145464
SNP_P1_20197_46529554	NC_021160.1	Ca_kabuli_chr01	46529554	AA	GG	1940145465
SNP_P1_20198_46529691	NC_021160.1	Ca_kabuli_chr01	46529691	GG	AA	1940145466
SNP_P1_20199_46529764	NC_021160.1	Ca_kabuli_chr01	46529764	TT	GG	1940145467
SNP_P1_20200_46529892	NC_021160.1	Ca_kabuli_chr01	46529892	AA	CC	1940145468
SNP_P1_20201_46529977	NC_021160.1	Ca_kabuli_chr01	46529977	CC	TT	1940145469
SNP_P1_20202_46530174	NC_021160.1	Ca_kabuli_chr01	46530174	AA	GG	1940145470
SNP_P1_20203_46530275	NC_021160.1	Ca_kabuli_chr01	46530275	GG	AA	1940145471
SNP_P1_20204_46530475	NC_021160.1	Ca_kabuli_chr01	46530475	CC	GG	1940145472
SNP_P1_20205_46530546	NC_021160.1	Ca_kabuli_chr01	46530546	GG	AA	1940145474
SNP_P1_20206_46530766	NC_021160.1	Ca_kabuli_chr01	46530766	AA	GG	1940145475
SNP_P1_20207_46530832	NC_021160.1	Ca_kabuli_chr01	46530832	GG	AA	1940145476
SNP_P1_20210_46531318	NC_021160.1	Ca_kabuli_chr01	46531318	AA	GG	1940145477
SNP_P1_20211_46538684	NC_021160.1	Ca_kabuli_chr01	46538684	AA	TT	1940145478
SNP_P1_20212_46538685	NC_021160.1	Ca_kabuli_chr01	46538685	CC	GG	1940145479
SNP_P1_20213_46538708	NC_021160.1	Ca_kabuli_chr01	46538708	CC	GG	1940145480
SNP_P1_20214_46538713	NC_021160.1	Ca_kabuli_chr01	46538713	CC	TT	1940145481
SNP_P1_20215_46538715	NC_021160.1	Ca_kabuli_chr01	46538715	AA	GG	1940145482
SNP_P1_20216_46538857	NC_021160.1	Ca_kabuli_chr01	46538857	GG	TT	1940145483
SNP_P1_20217_46538858	NC_021160.1	Ca_kabuli_chr01	46538858	TT	CC	1940145484
SNP_P1_20218_46539156	NC_021160.1	Ca_kabuli_chr01	46539156	AA	GG	1940145485
SNP_P1_20219_46539314	NC_021160.1	Ca_kabuli_chr01	46539314	AA	TT	1940145486
SNP_P1_20221_46565798	NC_021160.1	Ca_kabuli_chr01	46565798	TT	CC	1940145487

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_20222_46566099	NC_021160.1	Ca_kabuli_chr01	46566099	GG	AA	1940145488
SNP_P1_20223_46566162	NC_021160.1	Ca_kabuli_chr01	46566162	AA	TT	1940145489
SNP_P1_20224_46567314	NC_021160.1	Ca_kabuli_chr01	46567314	TT	CC	1940145490
SNP_P1_20225_46568271	NC_021160.1	Ca_kabuli_chr01	46568271	CC	TT	1940145491
SNP_P1_20226_46568456	NC_021160.1	Ca_kabuli_chr01	46568456	TT	CC	1940145492
SNP_P1_20227_46568457	NC_021160.1	Ca_kabuli_chr01	46568457	GG	AA	1940145493
SNP_P1_20228_46568793	NC_021160.1	Ca_kabuli_chr01	46568793	TT	CC	1940145494
SNP_P1_20229_46568917	NC_021160.1	Ca_kabuli_chr01	46568917	TT	GG	1940145495
SNP_P1_20231_46609141	NC_021160.1	Ca_kabuli_chr01	46609141	TT	GG	1940145496
SNP_P1_20232_46618670	NC_021160.1	Ca_kabuli_chr01	46618670	CC	AA	1940145497
SNP_P1_20233_46619680	NC_021160.1	Ca_kabuli_chr01	46619680	CC	TT	1940145498
SNP_P1_20234_46630111	NC_021160.1	Ca_kabuli_chr01	46630111	GG	AA	1940145499
SNP_P1_20235_46630116	NC_021160.1	Ca_kabuli_chr01	46630116	CC	TT	1940145500
SNP_P1_20237_46635536	NC_021160.1	Ca_kabuli_chr01	46635536	TT	CC	1940145501
SNP_P1_20238_46640922	NC_021160.1	Ca_kabuli_chr01	46640922	AA	CC	1940145502
SNP_P1_20239_46660539	NC_021160.1	Ca_kabuli_chr01	46660539	AA	CC	1940145503
SNP_P1_20240_46661580	NC_021160.1	Ca_kabuli_chr01	46661580	TT	CC	1940145504
SNP_P1_20241_46661624	NC_021160.1	Ca_kabuli_chr01	46661624	TT	AA	1940145506
SNP_P1_20242_46661658	NC_021160.1	Ca_kabuli_chr01	46661658	TT	CC	1940145507
SNP_P1_20243_46661756	NC_021160.1	Ca_kabuli_chr01	46661756	GG	CC	1940145508
SNP_P1_20244_46661822	NC_021160.1	Ca_kabuli_chr01	46661822	TT	GG	1940145509
SNP_P1_20246_46662080	NC_021160.1	Ca_kabuli_chr01	46662080	CC	TT	1940145510
SNP_P1_20247_46668850	NC_021160.1	Ca_kabuli_chr01	46668850	AA	GG	1940145511
SNP_P1_20248_46699108	NC_021160.1	Ca_kabuli_chr01	46699108	AA	TT	1940145512
SNP_P1_20249_46699317	NC_021160.1	Ca_kabuli_chr01	46699317	AA	CC	1940145513
SNP_P1_20250_46699359	NC_021160.1	Ca_kabuli_chr01	46699359	AA	TT	1940145514
SNP_P1_20251_46699362	NC_021160.1	Ca_kabuli_chr01	46699362	GG	AA	1940145515
SNP_P1_20252_46699365	NC_021160.1	Ca_kabuli_chr01	46699365	TT	AA	1940145516
SNP_P1_20253_46699371	NC_021160.1	Ca_kabuli_chr01	46699371	AA	GG	1940145517
SNP_P1_20254_46699381	NC_021160.1	Ca_kabuli_chr01	46699381	TT	CC	1940145518
SNP_P1_20255_46699386	NC_021160.1	Ca_kabuli_chr01	46699386	GG	AA	1940145519
SNP_P1_20256_46699389	NC_021160.1	Ca_kabuli_chr01	46699389	CC	AA	1940145520
SNP_P1_20257_46700865	NC_021160.1	Ca_kabuli_chr01	46700865	AA	TT	1940145521
SNP_P1_20258_46700995	NC_021160.1	Ca_kabuli_chr01	46700995	TT	CC	1940145522
SNP_P1_20259_46701031	NC_021160.1	Ca_kabuli_chr01	46701031	CC	TT	1940145523
SNP_P1_20260_46701037	NC_021160.1	Ca_kabuli_chr01	46701037	AA	CC	1940145524
SNP_P1_20261_46701093	NC_021160.1	Ca_kabuli_chr01	46701093	CC	TT	1940145525
SNP_P1_20262_46701149	NC_021160.1	Ca_kabuli_chr01	46701149	AA	TT	1940145526
SNP_P1_20263_46701278	NC_021160.1	Ca_kabuli_chr01	46701278	AA	GG	1940145527
SNP_P1_20264_46701354	NC_021160.1	Ca_kabuli_chr01	46701354	TT	GG	1940145528
SNP_P1_20265_46701420	NC_021160.1	Ca_kabuli_chr01	46701420	GG	TT	1940145529
SNP_P1_20266_46726426	NC_021160.1	Ca_kabuli_chr01	46726426	CC	TT	1940145530

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_20269_46773138	NC_021160.1	Ca_kabuli_chr01	46773138	CC	AA	1940145532
SNP_P1_20270_46773678	NC_021160.1	Ca_kabuli_chr01	46773678	AA	GG	1940145533
SNP_P1_20272_46801179	NC_021160.1	Ca_kabuli_chr01	46801179	AA	GG	1940145534
SNP_P1_20273_46801543	NC_021160.1	Ca_kabuli_chr01	46801543	TT	AA	1940145535
SNP_P1_20274_46801706	NC_021160.1	Ca_kabuli_chr01	46801706	CC	AA	1940145536
SNP_P1_20275_46811362	NC_021160.1	Ca_kabuli_chr01	46811362	TT	CC	1940145537
SNP_P1_20276_46811995	NC_021160.1	Ca_kabuli_chr01	46811995	AA	TT	1940145539
SNP_P1_20277_46812020	NC_021160.1	Ca_kabuli_chr01	46812020	TT	CC	1940145540
SNP_P1_20278_46814876	NC_021160.1	Ca_kabuli_chr01	46814876	GG	TT	1940145541
SNP_P1_20279_46818903	NC_021160.1	Ca_kabuli_chr01	46818903	TT	CC	1940145542
SNP_P1_20280_46819036	NC_021160.1	Ca_kabuli_chr01	46819036	CC	TT	1940145543
SNP_P1_20281_46819052	NC_021160.1	Ca_kabuli_chr01	46819052	CC	TT	1940145544
SNP_P1_20282_46819079	NC_021160.1	Ca_kabuli_chr01	46819079	TT	AA	1940145545
SNP_P1_20283_46819367	NC_021160.1	Ca_kabuli_chr01	46819367	TT	GG	1940145546
SNP_P1_20284_46819409	NC_021160.1	Ca_kabuli_chr01	46819409	CC	AA	1940145547
SNP_P1_20285_46819714	NC_021160.1	Ca_kabuli_chr01	46819714	TT	CC	1940145548
SNP_P1_20286_46819761	NC_021160.1	Ca_kabuli_chr01	46819761	CC	AA	1940145549
SNP_P1_20287_46819853	NC_021160.1	Ca_kabuli_chr01	46819853	CC	TT	1940145550
SNP_P1_20288_46819949	NC_021160.1	Ca_kabuli_chr01	46819949	GG	AA	1940145551
SNP_P1_20289_46822102	NC_021160.1	Ca_kabuli_chr01	46822102	GG	TT	1940145552
SNP_P1_20290_46822788	NC_021160.1	Ca_kabuli_chr01	46822788	CC	TT	1940145553
SNP_P1_20291_46825013	NC_021160.1	Ca_kabuli_chr01	46825013	GG	CC	1940145554
SNP_P1_20292_46831609	NC_021160.1	Ca_kabuli_chr01	46831609	TT	GG	1940145555
SNP_P1_20293_46831616	NC_021160.1	Ca_kabuli_chr01	46831616	GG	CC	1940145556
SNP_P1_20294_46831661	NC_021160.1	Ca_kabuli_chr01	46831661	AA	TT	1940145557
SNP_P1_20295_46831846	NC_021160.1	Ca_kabuli_chr01	46831846	TT	AA	1940145558
SNP_P1_20296_46831922	NC_021160.1	Ca_kabuli_chr01	46831922	GG	AA	1940145559
SNP_P1_20298_46831978	NC_021160.1	Ca_kabuli_chr01	46831978	AA	GG	1940145560
SNP_P1_20299_46831997	NC_021160.1	Ca_kabuli_chr01	46831997	GG	AA	1940145561
SNP_P1_20300_46832007	NC_021160.1	Ca_kabuli_chr01	46832007	CC	AA	1940145562
SNP_P1_20301_46832039	NC_021160.1	Ca_kabuli_chr01	46832039	AA	GG	1940145563
SNP_P1_20302_46832040	NC_021160.1	Ca_kabuli_chr01	46832040	TT	GG	1940145564
SNP_P1_20304_46838028	NC_021160.1	Ca_kabuli_chr01	46838028	GG	AA	1940145565
SNP_P1_20305_46838214	NC_021160.1	Ca_kabuli_chr01	46838214	GG	AA	1940145566
SNP_P1_20306_46851438	NC_021160.1	Ca_kabuli_chr01	46851438	GG	TT	1940145567
SNP_P1_20307_46851810	NC_021160.1	Ca_kabuli_chr01	46851810	AA	GG	1940145568
SNP_P1_20308_46855653	NC_021160.1	Ca_kabuli_chr01	46855653	GG	AA	1940145569
SNP_P1_20309_46856025	NC_021160.1	Ca_kabuli_chr01	46856025	AA	GG	1940145571
SNP_P1_20310_46856059	NC_021160.1	Ca_kabuli_chr01	46856059	CC	TT	1940145572
SNP_P1_20311_46856084	NC_021160.1	Ca_kabuli_chr01	46856084	CC	TT	1940145573
SNP_P1_20312_46856129	NC_021160.1	Ca_kabuli_chr01	46856129	TT	CC	1940145574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_20314_46856189	NC_021160.1	Ca_kabuli_chr01	46856189	TT	CC	1940145576
SNP_P1_20315_46856301	NC_021160.1	Ca_kabuli_chr01	46856301	TT	GG	1940145577
SNP_P1_20316_46856337	NC_021160.1	Ca_kabuli_chr01	46856337	CC	TT	1940145578
SNP_P1_20318_46856656	NC_021160.1	Ca_kabuli_chr01	46856656	CC	TT	1940145579
SNP_P1_20319_46856683	NC_021160.1	Ca_kabuli_chr01	46856683	TT	CC	1940145580
SNP_P1_20320_46863144	NC_021160.1	Ca_kabuli_chr01	46863144	AA	GG	1940145581
SNP_P1_20321_46867078	NC_021160.1	Ca_kabuli_chr01	46867078	AA	TT	1940145582
SNP_P1_20322_46867204	NC_021160.1	Ca_kabuli_chr01	46867204	TT	GG	1940145583
SNP_P1_20324_46867324	NC_021160.1	Ca_kabuli_chr01	46867324	AA	CC	1940145584
SNP_P1_20326_46869159	NC_021160.1	Ca_kabuli_chr01	46869159	GG	AA	1940145585
SNP_P1_20327_46869168	NC_021160.1	Ca_kabuli_chr01	46869168	GG	AA	1940145586
SNP_P1_20328_46890619	NC_021160.1	Ca_kabuli_chr01	46890619	CC	TT	1940145587
SNP_P1_20329_46894736	NC_021160.1	Ca_kabuli_chr01	46894736	AA	CC	1940145588
SNP_P1_20330_46894766	NC_021160.1	Ca_kabuli_chr01	46894766	CC	TT	1940145589
SNP_P1_20331_46894790	NC_021160.1	Ca_kabuli_chr01	46894790	CC	TT	1940145590
SNP_P1_20332_46894870	NC_021160.1	Ca_kabuli_chr01	46894870	GG	AA	1940145591
SNP_P1_20333_46894878	NC_021160.1	Ca_kabuli_chr01	46894878	GG	TT	1940145592
SNP_P1_20334_46894910	NC_021160.1	Ca_kabuli_chr01	46894910	TT	CC	1940145593
SNP_P1_20335_46894923	NC_021160.1	Ca_kabuli_chr01	46894923	CC	TT	1940145595
SNP_P1_20336_46895151	NC_021160.1	Ca_kabuli_chr01	46895151	TT	GG	1940145596
SNP_P1_20337_46895162	NC_021160.1	Ca_kabuli_chr01	46895162	GG	AA	1940145597
SNP_P1_20338_46895210	NC_021160.1	Ca_kabuli_chr01	46895210	AA	GG	1940145598
SNP_P1_20339_46895212	NC_021160.1	Ca_kabuli_chr01	46895212	TT	CC	1940145599
SNP_P1_20342_46927531	NC_021160.1	Ca_kabuli_chr01	46927531	AA	GG	1940145600
SNP_P1_20344_46981142	NC_021160.1	Ca_kabuli_chr01	46981142	TT	AA	1940145601
SNP_P1_20345_46981469	NC_021160.1	Ca_kabuli_chr01	46981469	AA	GG	1940145602
SNP_P1_20346_46982530	NC_021160.1	Ca_kabuli_chr01	46982530	TT	CC	1940145603
SNP_P1_20349_47058323	NC_021160.1	Ca_kabuli_chr01	47058323	TT	AA	1940145604
SNP_P1_20350_47058329	NC_021160.1	Ca_kabuli_chr01	47058329	TT	GG	1940145605
SNP_P1_20351_47058684	NC_021160.1	Ca_kabuli_chr01	47058684	TT	GG	1940145606
SNP_P1_20352_47058840	NC_021160.1	Ca_kabuli_chr01	47058840	GG	CC	1940145607
SNP_P1_20353_47059055	NC_021160.1	Ca_kabuli_chr01	47059055	TT	CC	1940145608
SNP_P1_20354_47059122	NC_021160.1	Ca_kabuli_chr01	47059122	AA	GG	1940145609
SNP_P1_20355_47059137	NC_021160.1	Ca_kabuli_chr01	47059137	CC	GG	1940145610
SNP_P1_20356_47059138	NC_021160.1	Ca_kabuli_chr01	47059138	TT	CC	1940145611
SNP_P1_20357_47059186	NC_021160.1	Ca_kabuli_chr01	47059186	AA	CC	1940145613
SNP_P1_20358_47059206	NC_021160.1	Ca_kabuli_chr01	47059206	TT	CC	1940145614
SNP_P1_20359_47059222	NC_021160.1	Ca_kabuli_chr01	47059222	AA	GG	1940145615
SNP_P1_20360_47059330	NC_021160.1	Ca_kabuli_chr01	47059330	GG	TT	1940145616
SNP_P1_20361_47061570	NC_021160.1	Ca_kabuli_chr01	47061570	GG	AA	1940145617
SNP_P1_20363_47063594	NC_021160.1	Ca_kabuli_chr01	47063594	GG	AA	1940145618

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_20364_47063866	NC_021160.1	Ca_kabuli_chr01	47063866	GG	AA	1940145619
SNP_P1_20365_47069742	NC_021160.1	Ca_kabuli_chr01	47069742	CC	GG	1940145620
SNP_P1_20366_47069743	NC_021160.1	Ca_kabuli_chr01	47069743	AA	TT	1940145621
SNP_P1_20367_47086866	NC_021160.1	Ca_kabuli_chr01	47086866	GG	AA	1940145622
SNP_P1_20368_47096843	NC_021160.1	Ca_kabuli_chr01	47096843	TT	CC	1940145623
SNP_P1_20371_47137542	NC_021160.1	Ca_kabuli_chr01	47137542	CC	AA	1940145625
SNP_P1_20372_47146186	NC_021160.1	Ca_kabuli_chr01	47146186	TT	AA	1940145626
SNP_P1_20373_47146187	NC_021160.1	Ca_kabuli_chr01	47146187	TT	AA	1940145627
SNP_P1_20374_47155678	NC_021160.1	Ca_kabuli_chr01	47155678	GG	AA	1940145628
SNP_P1_20375_47155883	NC_021160.1	Ca_kabuli_chr01	47155883	AA	GG	1940145629
SNP_P1_20376_47155909	NC_021160.1	Ca_kabuli_chr01	47155909	CC	TT	1940145630
SNP_P1_20377_47155922	NC_021160.1	Ca_kabuli_chr01	47155922	TT	CC	1940145631
SNP_P1_20378_47155945	NC_021160.1	Ca_kabuli_chr01	47155945	TT	CC	1940145632
SNP_P1_20379_47166802	NC_021160.1	Ca_kabuli_chr01	47166802	CC	AA	1940145633
SNP_P1_20380_47217661	NC_021160.1	Ca_kabuli_chr01	47217661	AA	GG	1940145634
SNP_P1_20381_47227447	NC_021160.1	Ca_kabuli_chr01	47227447	GG	AA	1940145635
SNP_P1_20382_47235146	NC_021160.1	Ca_kabuli_chr01	47235146	GG	AA	1940145636
SNP_P1_20383_47236994	NC_021160.1	Ca_kabuli_chr01	47236994	CC	AA	1940145637
SNP_P1_20384_47236995	NC_021160.1	Ca_kabuli_chr01	47236995	AA	TT	1940145638
SNP_P1_20385_47240059	NC_021160.1	Ca_kabuli_chr01	47240059	CC	AA	1940145639
SNP_P1_20386_47245108	NC_021160.1	Ca_kabuli_chr01	47245108	TT	AA	1940145640
SNP_P1_20388_47257621	NC_021160.1	Ca_kabuli_chr01	47257621	CC	TT	1940145641
SNP_P1_20389_47260014	NC_021160.1	Ca_kabuli_chr01	47260014	CC	TT	1940145642
SNP_P1_20390_47260015	NC_021160.1	Ca_kabuli_chr01	47260015	TT	GG	1940145643
SNP_P1_20391_47261640	NC_021160.1	Ca_kabuli_chr01	47261640	GG	AA	1940145644
SNP_P1_20394_47277271	NC_021160.1	Ca_kabuli_chr01	47277271	CC	TT	1940145645
SNP_P1_20395_47280588	NC_021160.1	Ca_kabuli_chr01	47280588	GG	AA	1940145646
SNP_P1_20396_47292397	NC_021160.1	Ca_kabuli_chr01	47292397	CC	TT	1940145647
SNP_P1_20397_47292438	NC_021160.1	Ca_kabuli_chr01	47292438	AA	CC	1940145649
SNP_P1_20399_47299656	NC_021160.1	Ca_kabuli_chr01	47299656	CC	TT	1940145650
SNP_P1_20400_47303762	NC_021160.1	Ca_kabuli_chr01	47303762	AA	TT	1940145651
SNP_P1_20402_47318452	NC_021160.1	Ca_kabuli_chr01	47318452	GG	AA	1940145652
SNP_P1_20403_47327255	NC_021160.1	Ca_kabuli_chr01	47327255	CC	GG	1940145653
SNP_P1_20404_47327314	NC_021160.1	Ca_kabuli_chr01	47327314	GG	TT	1940145654
SNP_P1_20405_47327315	NC_021160.1	Ca_kabuli_chr01	47327315	CC	TT	1940145655
SNP_P1_20406_47327761	NC_021160.1	Ca_kabuli_chr01	47327761	TT	CC	1940145656
SNP_P1_20407_47329372	NC_021160.1	Ca_kabuli_chr01	47329372	GG	AA	1940145657
SNP_P1_20408_47333245	NC_021160.1	Ca_kabuli_chr01	47333245	CC	TT	1940145658
SNP_P1_20409_47355675	NC_021160.1	Ca_kabuli_chr01	47355675	AA	CC	1940145659
SNP_P1_20410_47369190	NC_021160.1	Ca_kabuli_chr01	47369190	TT	CC	1940145660
SNP_P1_20411_47370738	NC_021160.1	Ca_kabuli_chr01	47370738	CC	TT	1940145661
SNP_P1_20412_47370785	NC_021160.1	Ca_kabuli_chr01	47370785	AA	CC	1940145662

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_20414_47372707	NC_021160.1	Ca_kabuli_chr01	47372707	AA	CC	1940145664
SNP_P1_20415_47379595	NC_021160.1	Ca_kabuli_chr01	47379595	CC	TT	1940145665
SNP_P1_20416_47380434	NC_021160.1	Ca_kabuli_chr01	47380434	AA	GG	1940145666
SNP_P1_20417_47389596	NC_021160.1	Ca_kabuli_chr01	47389596	GG	TT	1940145667
SNP_P1_20418_47389899	NC_021160.1	Ca_kabuli_chr01	47389899	AA	GG	1940145668
SNP_P1_20419_47397614	NC_021160.1	Ca_kabuli_chr01	47397614	GG	AA	1940145669
SNP_P1_20420_47406566	NC_021160.1	Ca_kabuli_chr01	47406566	CC	GG	1940145670
SNP_P1_20421_47413388	NC_021160.1	Ca_kabuli_chr01	47413388	AA	GG	1940145671
SNP_P1_20422_47413466	NC_021160.1	Ca_kabuli_chr01	47413466	AA	GG	1940145672
SNP_P1_20423_47416777	NC_021160.1	Ca_kabuli_chr01	47416777	TT	CC	1940145673
SNP_P1_20425_47419603	NC_021160.1	Ca_kabuli_chr01	47419603	AA	TT	1940145674
SNP_P1_20426_47422992	NC_021160.1	Ca_kabuli_chr01	47422992	AA	TT	1940145675
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SNP_P1_20428_47429975	NC_021160.1	Ca_kabuli_chr01	47429975	TT	CC	1940145677
SNP_P1_20430_47434211	NC_021160.1	Ca_kabuli_chr01	47434211	CC	GG	1940145678
SNP_P1_20433_47459279	NC_021160.1	Ca_kabuli_chr01	47459279	CC	TT	1940145680
SNP_P1_20435_47477977	NC_021160.1	Ca_kabuli_chr01	47477977	TT	CC	1940145681
SNP_P1_20437_47479191	NC_021160.1	Ca_kabuli_chr01	47479191	TT	AA	1940145682
SNP_P1_20438_47489266	NC_021160.1	Ca_kabuli_chr01	47489266	AA	CC	1940145683
SNP_P1_20439_47493697	NC_021160.1	Ca_kabuli_chr01	47493697	AA	GG	1940145684
SNP_P1_20440_47494543	NC_021160.1	Ca_kabuli_chr01	47494543	TT	AA	1940145685
SNP_P1_20442_47503191	NC_021160.1	Ca_kabuli_chr01	47503191	GG	TT	1940145686
SNP_P1_20443_47507721	NC_021160.1	Ca_kabuli_chr01	47507721	CC	AA	1940145687
SNP_P1_20444_47510077	NC_021160.1	Ca_kabuli_chr01	47510077	TT	GG	1940145688
SNP_P1_20445_47513798	NC_021160.1	Ca_kabuli_chr01	47513798	AA	TT	1940145689
SNP_P1_20446_47519418	NC_021160.1	Ca_kabuli_chr01	47519418	CC	AA	1940145690
SNP_P1_20447_47520903	NC_021160.1	Ca_kabuli_chr01	47520903	CC	TT	1940145691
SNP_P1_20448_47522165	NC_021160.1	Ca_kabuli_chr01	47522165	GG	TT	1940145692
SNP_P1_20449_47529500	NC_021160.1	Ca_kabuli_chr01	47529500	AA	TT	1940145693
SNP_P1_20451_47541711	NC_021160.1	Ca_kabuli_chr01	47541711	TT	GG	1940145694
SNP_P1_20452_47542702	NC_021160.1	Ca_kabuli_chr01	47542702	TT	AA	1940145695
SNP_P1_20453_47542797	NC_021160.1	Ca_kabuli_chr01	47542797	CC	TT	1940145696
SNP_P1_20454_47562544	NC_021160.1	Ca_kabuli_chr01	47562544	GG	AA	1940145697
SNP_P1_20455_47562557	NC_021160.1	Ca_kabuli_chr01	47562557	CC	TT	1940145698
SNP_P1_20456_47573035	NC_021160.1	Ca_kabuli_chr01	47573035	CC	TT	1940145699
SNP_P1_20457_47578410	NC_021160.1	Ca_kabuli_chr01	47578410	AA	GG	1940145700
SNP_P1_20459_47582474	NC_021160.1	Ca_kabuli_chr01	47582474	AA	TT	1940145701
SNP_P1_20460_47582475	NC_021160.1	Ca_kabuli_chr01	47582475	AA	TT	1940145702
SNP_P1_20461_47596301	NC_021160.1	Ca_kabuli_chr01	47596301	TT	AA	1940145703
SNP_P1_20462_47603191	NC_021160.1	Ca_kabuli_chr01	47603191	GG	AA	1940145704
SNP_P1_20463_47608230	NC_021160.1	Ca_kabuli_chr01	47608230	GG	AA	1940145705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_20465_47630049	NC_021160.1	Ca_kabuli_chr01	47630049	AA	GG	1940145707
SNP_P1_20466_47630050	NC_021160.1	Ca_kabuli_chr01	47630050	CC	AA	1940145708
SNP_P1_20467_47630499	NC_021160.1	Ca_kabuli_chr01	47630499	TT	CC	1940145709
SNP_P1_20468_47630502	NC_021160.1	Ca_kabuli_chr01	47630502	CC	AA	1940145710
SNP_P1_20470_47630795	NC_021160.1	Ca_kabuli_chr01	47630795	AA	GG	1940145711
SNP_P1_20472_47631504	NC_021160.1	Ca_kabuli_chr01	47631504	TT	AA	1940145712
SNP_P1_20473_47632764	NC_021160.1	Ca_kabuli_chr01	47632764	AA	GG	1940145714
SNP_P1_20474_47633064	NC_021160.1	Ca_kabuli_chr01	47633064	GG	AA	1940145715
SNP_P1_20475_47633103	NC_021160.1	Ca_kabuli_chr01	47633103	GG	AA	1940145716
SNP_P1_20476_47633364	NC_021160.1	Ca_kabuli_chr01	47633364	CC	TT	1940145717
SNP_P1_20477_47645382	NC_021160.1	Ca_kabuli_chr01	47645382	CC	TT	1940145718
SNP_P1_20478_47660058	NC_021160.1	Ca_kabuli_chr01	47660058	GG	TT	1940145719
SNP_P1_20479_47662878	NC_021160.1	Ca_kabuli_chr01	47662878	AA	TT	1940145720
SNP_P1_20480_47667542	NC_021160.1	Ca_kabuli_chr01	47667542	GG	TT	1940145721
SNP_P1_20481_47671970	NC_021160.1	Ca_kabuli_chr01	47671970	CC	TT	1940145722
SNP_P1_20486_47693104	NC_021160.1	Ca_kabuli_chr01	47693104	GG	AA	1940145723
SNP_P1_20487_47693515	NC_021160.1	Ca_kabuli_chr01	47693515	AA	TT	1940145724
SNP_P1_20488_47696479	NC_021160.1	Ca_kabuli_chr01	47696479	AA	GG	1940145725
SNP_P1_20489_47728891	NC_021160.1	Ca_kabuli_chr01	47728891	TT	CC	1940145726
SNP_P1_20491_47753877	NC_021160.1	Ca_kabuli_chr01	47753877	TT	AA	1940145727
SNP_P1_20492_47755008	NC_021160.1	Ca_kabuli_chr01	47755008	AA	GG	1940145728
SNP_P1_20493_47757892	NC_021160.1	Ca_kabuli_chr01	47757892	CC	TT	1940145729
SNP_P1_20494_47771205	NC_021160.1	Ca_kabuli_chr01	47771205	AA	GG	1940145730
SNP_P1_20496_47771674	NC_021160.1	Ca_kabuli_chr01	47771674	TT	GG	1940145731
SNP_P1_20497_47771706	NC_021160.1	Ca_kabuli_chr01	47771706	CC	TT	1940145732
SNP_P1_20498_47771718	NC_021160.1	Ca_kabuli_chr01	47771718	TT	GG	1940145733
SNP_P1_20499_47789318	NC_021160.1	Ca_kabuli_chr01	47789318	AA	GG	1940145734
SNP_P1_20500_47789878	NC_021160.1	Ca_kabuli_chr01	47789878	AA	TT	1940145735
SNP_P1_20501_47823431	NC_021160.1	Ca_kabuli_chr01	47823431	CC	TT	1940145736
SNP_P1_20502_47835924	NC_021160.1	Ca_kabuli_chr01	47835924	AA	CC	1940145737
SNP_P1_20503_47838229	NC_021160.1	Ca_kabuli_chr01	47838229	TT	CC	1940145738
SNP_P1_20504_47838359	NC_021160.1	Ca_kabuli_chr01	47838359	TT	CC	1940145739
SNP_P1_20505_47838374	NC_021160.1	Ca_kabuli_chr01	47838374	AA	GG	1940145740
SNP_P1_20506_47838380	NC_021160.1	Ca_kabuli_chr01	47838380	GG	AA	1940145741
SNP_P1_20507_47838384	NC_021160.1	Ca_kabuli_chr01	47838384	AA	GG	1940145742
SNP_P1_20508_47838532	NC_021160.1	Ca_kabuli_chr01	47838532	TT	GG	1940145743
SNP_P1_20509_47839097	NC_021160.1	Ca_kabuli_chr01	47839097	TT	CC	1940145744
SNP_P1_20510_47839166	NC_021160.1	Ca_kabuli_chr01	47839166	AA	GG	1940145745
SNP_P1_20511_47839565	NC_021160.1	Ca_kabuli_chr01	47839565	TT	CC	1940145746
SNP_P1_20512_47839567	NC_021160.1	Ca_kabuli_chr01	47839567	TT	GG	1940145747
SNP_P1_20513_47839585	NC_021160.1	Ca_kabuli_chr01	47839585	AA	GG	1940145748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_20515_47839636	NC_021160.1	Ca_kabuli_chr01	47839636	AA	GG	1940145751
SNP_P1_20517_47849588	NC_021160.1	Ca_kabuli_chr01	47849588	TT	CC	1940145752
SNP_P1_20518_47859769	NC_021160.1	Ca_kabuli_chr01	47859769	AA	GG	1940145753
SNP_P1_20519_47861169	NC_021160.1	Ca_kabuli_chr01	47861169	GG	AA	1940145754
SNP_P1_20520_47861176	NC_021160.1	Ca_kabuli_chr01	47861176	CC	TT	1940145755
SNP_P1_20521_47861193	NC_021160.1	Ca_kabuli_chr01	47861193	GG	AA	1940145756
SNP_P1_20522_47861196	NC_021160.1	Ca_kabuli_chr01	47861196	CC	AA	1940145757
SNP_P1_20523_47861197	NC_021160.1	Ca_kabuli_chr01	47861197	CC	TT	1940145758
SNP_P1_20524_47861224	NC_021160.1	Ca_kabuli_chr01	47861224	TT	GG	1940145759
SNP_P1_20525_47865310	NC_021160.1	Ca_kabuli_chr01	47865310	AA	GG	1940145760
SNP_P1_20526_47868030	NC_021160.1	Ca_kabuli_chr01	47868030	TT	CC	1940145761
SNP_P1_20527_47871288	NC_021160.1	Ca_kabuli_chr01	47871288	CC	TT	1940145762
SNP_P1_20528_47874146	NC_021160.1	Ca_kabuli_chr01	47874146	CC	AA	1940145763
SNP_P1_20529_47875035	NC_021160.1	Ca_kabuli_chr01	47875035	GG	TT	1940145764
SNP_P1_20530_47875121	NC_021160.1	Ca_kabuli_chr01	47875121	GG	AA	1940145765
SNP_P1_20531_47875173	NC_021160.1	Ca_kabuli_chr01	47875173	AA	GG	1940145766
SNP_P1_20532_47875192	NC_021160.1	Ca_kabuli_chr01	47875192	TT	AA	1940145767
SNP_P1_20534_47875218	NC_021160.1	Ca_kabuli_chr01	47875218	AA	TT	1940145768
SNP_P1_20535_47875223	NC_021160.1	Ca_kabuli_chr01	47875223	AA	GG	1940145769
SNP_P1_20536_47875306	NC_021160.1	Ca_kabuli_chr01	47875306	TT	GG	1940145770
SNP_P1_20537_47875314	NC_021160.1	Ca_kabuli_chr01	47875314	GG	TT	1940145771
SNP_P1_20538_47875521	NC_021160.1	Ca_kabuli_chr01	47875521	AA	GG	1940145772
SNP_P1_20539_47876353	NC_021160.1	Ca_kabuli_chr01	47876353	GG	CC	1940145773
SNP_P1_20540_47886602	NC_021160.1	Ca_kabuli_chr01	47886602	GG	AA	1940145774
SNP_P1_20545_47952882	NC_021160.1	Ca_kabuli_chr01	47952882	TT	AA	1940145775
SNP_P1_20546_47960462	NC_021160.1	Ca_kabuli_chr01	47960462	TT	AA	1940145776
SNP_P1_20547_47960474	NC_021160.1	Ca_kabuli_chr01	47960474	TT	CC	1940145777
SNP_P1_20548_47960475	NC_021160.1	Ca_kabuli_chr01	47960475	TT	GG	1940145778
SNP_P1_20549_47990928	NC_021160.1	Ca_kabuli_chr01	47990928	CC	TT	1940145779
SNP_P1_20550_47992361	NC_021160.1	Ca_kabuli_chr01	47992361	CC	TT	1940145780
SNP_P1_20551_47999360	NC_021160.1	Ca_kabuli_chr01	47999360	TT	AA	1940145781
SNP_P1_20553_48005529	NC_021160.1	Ca_kabuli_chr01	48005529	CC	TT	1940145783
SNP_P1_20554_48011820	NC_021160.1	Ca_kabuli_chr01	48011820	CC	TT	1940145784
SNP_P1_20555_48011880	NC_021160.1	Ca_kabuli_chr01	48011880	AA	GG	1940145785
SNP_P1_20556_48023481	NC_021160.1	Ca_kabuli_chr01	48023481	CC	TT	1940145786
SNP_P1_20557_48055866	NC_021160.1	Ca_kabuli_chr01	48055866	AA	GG	1940145787
SNP_P1_20559_48069650	NC_021160.1	Ca_kabuli_chr01	48069650	AA	CC	1940145788
SNP_P1_20560_48071249	NC_021160.1	Ca_kabuli_chr01	48071249	AA	GG	1940145789
SNP_P1_20561_48071258	NC_021160.1	Ca_kabuli_chr01	48071258	AA	CC	1940145790
SNP_P1_20562_48071260	NC_021160.1	Ca_kabuli_chr01	48071260	AA	GG	1940145791
SNP_P1_20563_48071274	NC_021160.1	Ca_kabuli_chr01	48071274	AA	GG	1940145792

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_20565_48071290	NC_021160.1	Ca_kabuli_chr01	48071290	TT	GG	1940145794
SNP_P1_20566_48071479	NC_021160.1	Ca_kabuli_chr01	48071479	TT	CC	1940145795
SNP_P1_20567_48082383	NC_021160.1	Ca_kabuli_chr01	48082383	TT	CC	1940145796
SNP_P1_20568_48087711	NC_021160.1	Ca_kabuli_chr01	48087711	AA	TT	1940145797
SNP_P1_20569_48091753	NC_021160.1	Ca_kabuli_chr01	48091753	TT	CC	1940145798
SNP_P1_20572_48126883	NC_021160.1	Ca_kabuli_chr01	48126883	GG	AA	1940145799
SNP_P1_20573_48142657	NC_021160.1	Ca_kabuli_chr01	48142657	TT	CC	1940145800
SNP_P1_20574_48169600	NC_021160.1	Ca_kabuli_chr01	48169600	AA	TT	1940145801
SNP_P1_20576_48178780	NC_021160.1	Ca_kabuli_chr01	48178780	TT	CC	1940145802
SNP_P1_20578_48211401	NC_021160.1	Ca_kabuli_chr01	48211401	GG	AA	1940145803
SNP_P1_20579_48213164	NC_021160.1	Ca_kabuli_chr01	48213164	GG	AA	1940145804
SNP_P1_20580_48214359	NC_021160.1	Ca_kabuli_chr01	48214359	CC	TT	1940145805
SNP_P1_20581_48220831	NC_021160.1	Ca_kabuli_chr01	48220831	TT	CC	1940145806
SNP_P1_20582_48220833	NC_021160.1	Ca_kabuli_chr01	48220833	TT	AA	1940145807
SNP_P1_20586_48290803	NC_021160.1	Ca_kabuli_chr01	48290803	AA	GG	1940145808
SNP_P1_20587_48299999	NC_021160.1	Ca_kabuli_chr01	48299999	GG	AA	1940145809
SNP_P1_20588_48300581	NC_021160.1	Ca_kabuli_chr01	48300581	GG	AA	1940145810
SNP_P1_20589_48300980	NC_021160.1	Ca_kabuli_chr01	48300980	TT	CC	1940145811
SNP_P1_20590_48318867	NC_021160.1	Ca_kabuli_chr01	48318867	TT	AA	1940145812
SNP_P1_20591_48318868	NC_021160.1	Ca_kabuli_chr01	48318868	TT	GG	1940145813
SNP_P1_20593_48320305	NC_021160.1	Ca_kabuli_chr01	48320305	AA	GG	1940145814
SNP_P1_20594_48322674	NC_021160.1	Ca_kabuli_chr01	48322674	TT	AA	1940145816
SNP_P1_20596_48350149	NC_021160.1	Ca_kabuli_chr01	48350149	GG	TT	1940145817
SNP_P1_20597_48350294	NC_021160.1	Ca_kabuli_chr01	48350294	TT	CC	1940145818
SNP_P1_20598_48350321	NC_021160.1	Ca_kabuli_chr01	48350321	AA	TT	1940145819
SNP_P1_20599_21166	NC_021161.1	Ca_kabuli_chr02	21166	TT	CC	1940145820
SNP_P1_20601_42046	NC_021161.1	Ca_kabuli_chr02	42046	CC	TT	1940145821
SNP_P1_20602_42119	NC_021161.1	Ca_kabuli_chr02	42119	GG	TT	1940145822
SNP_P1_20604_42316	NC_021161.1	Ca_kabuli_chr02	42316	CC	TT	1940145823
SNP_P1_20605_42433	NC_021161.1	Ca_kabuli_chr02	42433	AA	GG	1940145824
SNP_P1_20606_42481	NC_021161.1	Ca_kabuli_chr02	42481	CC	AA	1940145825
SNP_P1_20607_42678	NC_021161.1	Ca_kabuli_chr02	42678	AA	GG	1940145826
SNP_P1_20608_42752	NC_021161.1	Ca_kabuli_chr02	42752	CC	AA	1940145827
SNP_P1_20609_42888	NC_021161.1	Ca_kabuli_chr02	42888	AA	GG	1940145828
SNP_P1_20610_42907	NC_021161.1	Ca_kabuli_chr02	42907	AA	CC	1940145829
SNP_P1_20611_49284	NC_021161.1	Ca_kabuli_chr02	49284	CC	AA	1940145830
SNP_P1_20613_70724	NC_021161.1	Ca_kabuli_chr02	70724	CC	TT	1940145831
SNP_P1_20614_70737	NC_021161.1	Ca_kabuli_chr02	70737	TT	CC	1940145832
SNP_P1_20615_77417	NC_021161.1	Ca_kabuli_chr02	77417	AA	GG	1940145833
SNP_P1_20616_79881	NC_021161.1	Ca_kabuli_chr02	79881	GG	AA	1940145834
SNP_P1_20617_88119	NC_021161.1	Ca_kabuli_chr02	88119	TT	CC	1940145835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_20619_98894	NC_021161.1	Ca_kabuli_chr02	98894	TT	AA	1940145837
SNP_P1_20620_121935	NC_021161.1	Ca_kabuli_chr02	121935	AA	GG	1940145838
SNP_P1_20621_134689	NC_021161.1	Ca_kabuli_chr02	134689	AA	TT	1940145839
SNP_P1_20622_150672	NC_021161.1	Ca_kabuli_chr02	150672	GG	TT	1940145840
SNP_P1_20623_151695	NC_021161.1	Ca_kabuli_chr02	151695	CC	TT	1940145841
SNP_P1_20624_159766	NC_021161.1	Ca_kabuli_chr02	159766	TT	AA	1940145842
SNP_P1_20625_173983	NC_021161.1	Ca_kabuli_chr02	173983	TT	CC	1940145843
SNP_P1_20626_176189	NC_021161.1	Ca_kabuli_chr02	176189	AA	GG	1940145844
SNP_P1_20627_183030	NC_021161.1	Ca_kabuli_chr02	183030	TT	CC	1940145845
SNP_P1_20628_183359	NC_021161.1	Ca_kabuli_chr02	183359	TT	CC	1940145846
SNP_P1_20629_183396	NC_021161.1	Ca_kabuli_chr02	183396	TT	CC	1940145847
SNP_P1_20630_199338	NC_021161.1	Ca_kabuli_chr02	199338	TT	CC	1940145848
SNP_P1_20633_250348	NC_021161.1	Ca_kabuli_chr02	250348	AA	GG	1940145849
SNP_P1_20634_272691	NC_021161.1	Ca_kabuli_chr02	272691	CC	TT	1940145850
SNP_P1_20635_277335	NC_021161.1	Ca_kabuli_chr02	277335	AA	GG	1940145852
SNP_P1_20636_285618	NC_021161.1	Ca_kabuli_chr02	285618	CC	TT	1940145853
SNP_P1_20638_298435	NC_021161.1	Ca_kabuli_chr02	298435	GG	TT	1940145854
SNP_P1_20639_301874	NC_021161.1	Ca_kabuli_chr02	301874	CC	GG	1940145855
SNP_P1_20640_304092	NC_021161.1	Ca_kabuli_chr02	304092	TT	CC	1940145856
SNP_P1_20641_304108	NC_021161.1	Ca_kabuli_chr02	304108	CC	TT	1940145857
SNP_P1_20642_311641	NC_021161.1	Ca_kabuli_chr02	311641	GG	TT	1940145858
SNP_P1_20643_323509	NC_021161.1	Ca_kabuli_chr02	323509	TT	CC	1940145859
SNP_P1_20644_333624	NC_021161.1	Ca_kabuli_chr02	333624	CC	TT	1940145860
SNP_P1_20647_379377	NC_021161.1	Ca_kabuli_chr02	379377	CC	TT	1940145861
SNP_P1_20648_390044	NC_021161.1	Ca_kabuli_chr02	390044	GG	AA	1940145862
SNP_P1_20651_408112	NC_021161.1	Ca_kabuli_chr02	408112	TT	AA	1940145863
SNP_P1_20654_417338	NC_021161.1	Ca_kabuli_chr02	417338	AA	TT	1940145864
SNP_P1_20656_435691	NC_021161.1	Ca_kabuli_chr02	435691	TT	AA	1940145865
SNP_P1_20658_458340	NC_021161.1	Ca_kabuli_chr02	458340	CC	TT	1940145866
SNP_P1_20660_478241	NC_021161.1	Ca_kabuli_chr02	478241	TT	AA	1940145867
SNP_P1_20662_491716	NC_021161.1	Ca_kabuli_chr02	491716	CC	TT	1940145868
SNP_P1_20663_496374	NC_021161.1	Ca_kabuli_chr02	496374	TT	GG	1940145869
SNP_P1_20664_496398	NC_021161.1	Ca_kabuli_chr02	496398	GG	AA	1940145870
SNP_P1_20665_496736	NC_021161.1	Ca_kabuli_chr02	496736	CC	TT	1940145871
SNP_P1_20666_496787	NC_021161.1	Ca_kabuli_chr02	496787	AA	CC	1940145872
SNP_P1_20667_499218	NC_021161.1	Ca_kabuli_chr02	499218	CC	AA	1940145873
SNP_P1_20668_500184	NC_021161.1	Ca_kabuli_chr02	500184	TT	GG	1940145874
SNP_P1_20669_500568	NC_021161.1	Ca_kabuli_chr02	500568	AA	CC	1940145875
SNP_P1_20670_500622	NC_021161.1	Ca_kabuli_chr02	500622	GG	AA	1940145876
SNP_P1_20671_500633	NC_021161.1	Ca_kabuli_chr02	500633	CC	TT	1940145877
SNP_P1_20672_503369	NC_021161.1	Ca_kabuli_chr02	503369	CC	AA	1940145878

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_20673_503376	NC_021161.1	Ca_kabuli_chr02	503376	AA	TT	1940145879
SNP_P1_20674_503377	NC_021161.1	Ca_kabuli_chr02	503377	GG	AA	1940145880
SNP_P1_20675_520955	NC_021161.1	Ca_kabuli_chr02	520955	CC	TT	1940145881
SNP_P1_20676_541442	NC_021161.1	Ca_kabuli_chr02	541442	GG	AA	1940145882
SNP_P1_20677_541470	NC_021161.1	Ca_kabuli_chr02	541470	AA	TT	1940145883
SNP_P1_20678_551955	NC_021161.1	Ca_kabuli_chr02	551955	AA	GG	1940145884
SNP_P1_20679_562622	NC_021161.1	Ca_kabuli_chr02	562622	AA	CC	1940145885
SNP_P1_20680_562623	NC_021161.1	Ca_kabuli_chr02	562623	CC	TT	1940145886
SNP_P1_20681_568120	NC_021161.1	Ca_kabuli_chr02	568120	TT	CC	1940145887
SNP_P1_20682_598699	NC_021161.1	Ca_kabuli_chr02	598699	GG	AA	1940145889
SNP_P1_20683_600871	NC_021161.1	Ca_kabuli_chr02	600871	AA	TT	1940145890
SNP_P1_20684_602864	NC_021161.1	Ca_kabuli_chr02	602864	GG	AA	1940145891
SNP_P1_20685_621589	NC_021161.1	Ca_kabuli_chr02	621589	TT	CC	1940145892
SNP_P1_20686_621681	NC_021161.1	Ca_kabuli_chr02	621681	AA	GG	1940145893
SNP_P1_20687_625396	NC_021161.1	Ca_kabuli_chr02	625396	TT	AA	1940145894
SNP_P1_20688_628541	NC_021161.1	Ca_kabuli_chr02	628541	GG	AA	1940145895
SNP_P1_20689_636222	NC_021161.1	Ca_kabuli_chr02	636222	GG	TT	1940145896
SNP_P1_20690_636227	NC_021161.1	Ca_kabuli_chr02	636227	GG	AA	1940145897
SNP_P1_20691_636296	NC_021161.1	Ca_kabuli_chr02	636296	CC	TT	1940145898
SNP_P1_20692_636312	NC_021161.1	Ca_kabuli_chr02	636312	AA	GG	1940145899
SNP_P1_20693_636607	NC_021161.1	Ca_kabuli_chr02	636607	CC	TT	1940145900
SNP_P1_20694_639567	NC_021161.1	Ca_kabuli_chr02	639567	TT	AA	1940145901
SNP_P1_20695_639990	NC_021161.1	Ca_kabuli_chr02	639990	TT	CC	1940145902
SNP_P1_20696_642820	NC_021161.1	Ca_kabuli_chr02	642820	CC	AA	1940145903
SNP_P1_20697_642840	NC_021161.1	Ca_kabuli_chr02	642840	TT	CC	1940145904
SNP_P1_20698_647343	NC_021161.1	Ca_kabuli_chr02	647343	GG	CC	1940145905
SNP_P1_20699_652602	NC_021161.1	Ca_kabuli_chr02	652602	CC	TT	1940145906
SNP_P1_20700_653018	NC_021161.1	Ca_kabuli_chr02	653018	AA	GG	1940145907
SNP_P1_20701_661270	NC_021161.1	Ca_kabuli_chr02	661270	TT	GG	1940145908
SNP_P1_20702_661280	NC_021161.1	Ca_kabuli_chr02	661280	AA	CC	1940145909
SNP_P1_20703_661282	NC_021161.1	Ca_kabuli_chr02	661282	TT	CC	1940145910
SNP_P1_20704_661283	NC_021161.1	Ca_kabuli_chr02	661283	TT	AA	1940145911
SNP_P1_20705_665904	NC_021161.1	Ca_kabuli_chr02	665904	GG	AA	1940145912
SNP_P1_20706_691280	NC_021161.1	Ca_kabuli_chr02	691280	CC	TT	1940145913
SNP_P1_20707_691281	NC_021161.1	Ca_kabuli_chr02	691281	TT	AA	1940145914
SNP_P1_20710_719704	NC_021161.1	Ca_kabuli_chr02	719704	AA	GG	1940145915
SNP_P1_20711_745283	NC_021161.1	Ca_kabuli_chr02	745283	AA	GG	1940145916
SNP_P1_20712_745356	NC_021161.1	Ca_kabuli_chr02	745356	AA	CC	1940145917
SNP_P1_20713_745357	NC_021161.1	Ca_kabuli_chr02	745357	CC	TT	1940145918
SNP_P1_20714_746000	NC_021161.1	Ca_kabuli_chr02	746000	AA	GG	1940145919
SNP_P1_20715_747561	NC_021161.1	Ca_kabuli_chr02	747561	AA	TT	1940145920
SNP_P1_20717_759188	NC_021161.1	Ca_kabuli_chr02	759188	GG	AA	1940145921

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_20718_776733	NC_021161.1	Ca_kabuli_chr02	776733	GG	AA	1940145922
SNP_P1_20719_778732	NC_021161.1	Ca_kabuli_chr02	778732	AA	TT	1940145923
SNP_P1_20720_822956	NC_021161.1	Ca_kabuli_chr02	822956	AA	TT	1940145925
SNP_P1_20722_834111	NC_021161.1	Ca_kabuli_chr02	834111	GG	AA	1940145926
SNP_P1_20723_857157	NC_021161.1	Ca_kabuli_chr02	857157	AA	GG	1940145927
SNP_P1_20724_857169	NC_021161.1	Ca_kabuli_chr02	857169	TT	AA	1940145928
SNP_P1_20725_892483	NC_021161.1	Ca_kabuli_chr02	892483	CC	TT	1940145929
SNP_P1_20727_907414	NC_021161.1	Ca_kabuli_chr02	907414	AA	CC	1940145930
SNP_P1_20728_909606	NC_021161.1	Ca_kabuli_chr02	909606	CC	TT	1940145931
SNP_P1_20729_919409	NC_021161.1	Ca_kabuli_chr02	919409	TT	CC	1940145932
SNP_P1_20730_922385	NC_021161.1	Ca_kabuli_chr02	922385	AA	GG	1940145933
SNP_P1_20731_937987	NC_021161.1	Ca_kabuli_chr02	937987	AA	GG	1940145934
SNP_P1_20733_970552	NC_021161.1	Ca_kabuli_chr02	970552	GG	AA	1940145935
SNP_P1_20735_988147	NC_021161.1	Ca_kabuli_chr02	988147	TT	CC	1940145936
SNP_P1_20736_990791	NC_021161.1	Ca_kabuli_chr02	990791	AA	CC	1940145937
SNP_P1_20737_999268	NC_021161.1	Ca_kabuli_chr02	999268	AA	GG	1940145938
SNP_P1_20741_1035973	NC_021161.1	Ca_kabuli_chr02	1035973	AA	TT	1940145939
SNP_P1_20742_1035974	NC_021161.1	Ca_kabuli_chr02	1035974	AA	TT	1940145940
SNP_P1_20743_1040420	NC_021161.1	Ca_kabuli_chr02	1040420	GG	TT	1940145941
SNP_P1_20744_1040461	NC_021161.1	Ca_kabuli_chr02	1040461	GG	AA	1940145942
SNP_P1_20745_1041083	NC_021161.1	Ca_kabuli_chr02	1041083	CC	TT	1940145943
SNP_P1_20746_1041112	NC_021161.1	Ca_kabuli_chr02	1041112	AA	GG	1940145944
SNP_P1_20747_1041136	NC_021161.1	Ca_kabuli_chr02	1041136	TT	AA	1940145945
SNP_P1_20748_1041205	NC_021161.1	Ca_kabuli_chr02	1041205	AA	GG	1940145946
SNP_P1_20749_1041366	NC_021161.1	Ca_kabuli_chr02	1041366	GG	AA	1940145947
SNP_P1_20750_1041434	NC_021161.1	Ca_kabuli_chr02	1041434	AA	GG	1940145948
SNP_P1_20751_1041900	NC_021161.1	Ca_kabuli_chr02	1041900	AA	TT	1940145949
SNP_P1_20752_1047529	NC_021161.1	Ca_kabuli_chr02	1047529	AA	CC	1940145950
SNP_P1_20753_1047568	NC_021161.1	Ca_kabuli_chr02	1047568	CC	AA	1940145951
SNP_P1_20754_1048410	NC_021161.1	Ca_kabuli_chr02	1048410	AA	TT	1940145953
SNP_P1_20755_1048411	NC_021161.1	Ca_kabuli_chr02	1048411	AA	TT	1940145954
SNP_P1_20756_1048412	NC_021161.1	Ca_kabuli_chr02	1048412	AA	TT	1940145955
SNP_P1_20757_1048661	NC_021161.1	Ca_kabuli_chr02	1048661	CC	GG	1940145956
SNP_P1_20758_1048681	NC_021161.1	Ca_kabuli_chr02	1048681	TT	AA	1940145957
SNP_P1_20759_1048683	NC_021161.1	Ca_kabuli_chr02	1048683	TT	AA	1940145958
SNP_P1_20760_1048684	NC_021161.1	Ca_kabuli_chr02	1048684	TT	AA	1940145959
SNP_P1_20761_1048696	NC_021161.1	Ca_kabuli_chr02	1048696	TT	CC	1940145960
SNP_P1_20762_1049048	NC_021161.1	Ca_kabuli_chr02	1049048	TT	AA	1940145961
SNP_P1_20763_1049331	NC_021161.1	Ca_kabuli_chr02	1049331	TT	CC	1940145962
SNP_P1_20764_1049430	NC_021161.1	Ca_kabuli_chr02	1049430	CC	AA	1940145963
SNP_P1_20765_1049431	NC_021161.1	Ca_kabuli_chr02	1049431	CC	TT	1940145964
SNP_P1_20766_1073874	NC_021161.1	Ca_kabuli_chr02	1073874	TT	AA	1940145965

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_20767_1074163	NC_021161.1	Ca_kabuli_chr02	1074163	TT	CC	1940145966
SNP_P1_20768_1074172	NC_021161.1	Ca_kabuli_chr02	1074172	CC	AA	1940145967
SNP_P1_20769_1074221	NC_021161.1	Ca_kabuli_chr02	1074221	TT	CC	1940145968
SNP_P1_20772_1074446	NC_021161.1	Ca_kabuli_chr02	1074446	TT	AA	1940145969
SNP_P1_20773_1074897	NC_021161.1	Ca_kabuli_chr02	1074897	TT	CC	1940145970
SNP_P1_20774_1075026	NC_021161.1	Ca_kabuli_chr02	1075026	GG	TT	1940145971
SNP_P1_20775_1076971	NC_021161.1	Ca_kabuli_chr02	1076971	TT	CC	1940145972
SNP_P1_20779_1098025	NC_021161.1	Ca_kabuli_chr02	1098025	AA	TT	1940145974
SNP_P1_20780_1098029	NC_021161.1	Ca_kabuli_chr02	1098029	CC	GG	1940145975
SNP_P1_20782_1134133	NC_021161.1	Ca_kabuli_chr02	1134133	AA	TT	1940145976
SNP_P1_20784_1143155	NC_021161.1	Ca_kabuli_chr02	1143155	CC	TT	1940145977
SNP_P1_20785_1159756	NC_021161.1	Ca_kabuli_chr02	1159756	TT	GG	1940145978
SNP_P1_20786_1159789	NC_021161.1	Ca_kabuli_chr02	1159789	AA	GG	1940145979
SNP_P1_20787_1161547	NC_021161.1	Ca_kabuli_chr02	1161547	TT	CC	1940145980
SNP_P1_20788_1170654	NC_021161.1	Ca_kabuli_chr02	1170654	AA	GG	1940145981
SNP_P1_20789_1170663	NC_021161.1	Ca_kabuli_chr02	1170663	TT	GG	1940145982
SNP_P1_20790_1170685	NC_021161.1	Ca_kabuli_chr02	1170685	AA	GG	1940145983
SNP_P1_20791_1170694	NC_021161.1	Ca_kabuli_chr02	1170694	CC	TT	1940145984
SNP_P1_20792_1177921	NC_021161.1	Ca_kabuli_chr02	1177921	CC	TT	1940145985
SNP_P1_20793_1182813	NC_021161.1	Ca_kabuli_chr02	1182813	GG	AA	1940145986
SNP_P1_20794_1182835	NC_021161.1	Ca_kabuli_chr02	1182835	TT	CC	1940145987
SNP_P1_20795_1182846	NC_021161.1	Ca_kabuli_chr02	1182846	TT	CC	1940145988
SNP_P1_20796_1185711	NC_021161.1	Ca_kabuli_chr02	1185711	GG	AA	1940145989
SNP_P1_20797_1191011	NC_021161.1	Ca_kabuli_chr02	1191011	AA	GG	1940145990
SNP_P1_20798_1194781	NC_021161.1	Ca_kabuli_chr02	1194781	AA	GG	1940145991
SNP_P1_20799_1197290	NC_021161.1	Ca_kabuli_chr02	1197290	AA	TT	1940145992
SNP_P1_20800_1204400	NC_021161.1	Ca_kabuli_chr02	1204400	TT	CC	1940145993
SNP_P1_20801_1204453	NC_021161.1	Ca_kabuli_chr02	1204453	AA	GG	1940145994
SNP_P1_20802_1204786	NC_021161.1	Ca_kabuli_chr02	1204786	GG	CC	1940145995
SNP_P1_20803_1204815	NC_021161.1	Ca_kabuli_chr02	1204815	GG	TT	1940145996
SNP_P1_20804_1209240	NC_021161.1	Ca_kabuli_chr02	1209240	CC	TT	1940145997
SNP_P1_20805_1209284	NC_021161.1	Ca_kabuli_chr02	1209284	TT	CC	1940145998
SNP_P1_20806_1210423	NC_021161.1	Ca_kabuli_chr02	1210423	AA	TT	1940145999
SNP_P1_20808_1230714	NC_021161.1	Ca_kabuli_chr02	1230714	TT	CC	1940146000
SNP_P1_20809_1230720	NC_021161.1	Ca_kabuli_chr02	1230720	TT	CC	1940146001
SNP_P1_20810_1230723	NC_021161.1	Ca_kabuli_chr02	1230723	TT	CC	1940146002
SNP_P1_20811_1231618	NC_021161.1	Ca_kabuli_chr02	1231618	GG	AA	1940146003
SNP_P1_20813_1249112	NC_021161.1	Ca_kabuli_chr02	1249112	TT	CC	1940146004
SNP_P1_20814_1257716	NC_021161.1	Ca_kabuli_chr02	1257716	AA	TT	1940146005
SNP_P1_20815_1281685	NC_021161.1	Ca_kabuli_chr02	1281685	AA	GG	1940146006
SNP_P1_20817_1303231	NC_021161.1	Ca_kabuli_chr02	1303231	TT	GG	1940146007
SNP_P1_20818_1303281	NC_021161.1	Ca_kabuli_chr02	1303281	AA	GG	1940146008

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_20819_1303466	NC_021161.1	Ca_kabuli_chr02	1303466	TT	GG	1940146009
SNP_P1_20820_1303601	NC_021161.1	Ca_kabuli_chr02	1303601	GG	AA	1940146010
SNP_P1_20821_1313350	NC_021161.1	Ca_kabuli_chr02	1313350	GG	AA	1940146012
SNP_P1_20822_1321624	NC_021161.1	Ca_kabuli_chr02	1321624	TT	CC	1940146013
SNP_P1_20823_1335737	NC_021161.1	Ca_kabuli_chr02	1335737	TT	AA	1940146014
SNP_P1_20825_1337923	NC_021161.1	Ca_kabuli_chr02	1337923	CC	TT	1940146015
SNP_P1_20826_1373338	NC_021161.1	Ca_kabuli_chr02	1373338	GG	AA	1940146016
SNP_P1_20827_1387180	NC_021161.1	Ca_kabuli_chr02	1387180	CC	TT	1940146017
SNP_P1_20828_1392052	NC_021161.1	Ca_kabuli_chr02	1392052	CC	AA	1940146018
SNP_P1_20829_1420274	NC_021161.1	Ca_kabuli_chr02	1420274	AA	GG	1940146019
SNP_P1_20830_1461064	NC_021161.1	Ca_kabuli_chr02	1461064	TT	AA	1940146020
SNP_P1_20831_1461109	NC_021161.1	Ca_kabuli_chr02	1461109	TT	AA	1940146021
SNP_P1_20832_1461130	NC_021161.1	Ca_kabuli_chr02	1461130	GG	AA	1940146022
SNP_P1_20833_1461166	NC_021161.1	Ca_kabuli_chr02	1461166	AA	TT	1940146023
SNP_P1_20834_1461181	NC_021161.1	Ca_kabuli_chr02	1461181	TT	CC	1940146024
SNP_P1_20835_1461498	NC_021161.1	Ca_kabuli_chr02	1461498	AA	GG	1940146025
SNP_P1_20836_1461532	NC_021161.1	Ca_kabuli_chr02	1461532	CC	TT	1940146026
SNP_P1_20837_1461565	NC_021161.1	Ca_kabuli_chr02	1461565	CC	AA	1940146027
SNP_P1_20838_1461633	NC_021161.1	Ca_kabuli_chr02	1461633	AA	GG	1940146028
SNP_P1_20839_1461890	NC_021161.1	Ca_kabuli_chr02	1461890	TT	CC	1940146029
SNP_P1_20840_1462240	NC_021161.1	Ca_kabuli_chr02	1462240	AA	GG	1940146030
SNP_P1_20841_1462255	NC_021161.1	Ca_kabuli_chr02	1462255	AA	TT	1940146031
SNP_P1_20842_1462257	NC_021161.1	Ca_kabuli_chr02	1462257	CC	TT	1940146032
SNP_P1_20843_1462262	NC_021161.1	Ca_kabuli_chr02	1462262	AA	TT	1940146033
SNP_P1_20844_1462422	NC_021161.1	Ca_kabuli_chr02	1462422	AA	GG	1940146034
SNP_P1_20845_1462573	NC_021161.1	Ca_kabuli_chr02	1462573	GG	AA	1940146035
SNP_P1_20847_1468345	NC_021161.1	Ca_kabuli_chr02	1468345	CC	TT	1940146036
SNP_P1_20848_1469835	NC_021161.1	Ca_kabuli_chr02	1469835	CC	TT	1940146037
SNP_P1_20849_1477478	NC_021161.1	Ca_kabuli_chr02	1477478	CC	GG	1940146038
SNP_P1_20850_1480975	NC_021161.1	Ca_kabuli_chr02	1480975	CC	AA	1940146039
SNP_P1_20851_1486798	NC_021161.1	Ca_kabuli_chr02	1486798	TT	GG	1940146040
SNP_P1_20852_1486814	NC_021161.1	Ca_kabuli_chr02	1486814	CC	GG	1940146041
SNP_P1_20853_1487049	NC_021161.1	Ca_kabuli_chr02	1487049	AA	CC	1940146042
SNP_P1_20854_1487076	NC_021161.1	Ca_kabuli_chr02	1487076	AA	GG	1940146043
SNP_P1_20855_1487116	NC_021161.1	Ca_kabuli_chr02	1487116	CC	GG	1940146044
SNP_P1_20856_1487149	NC_021161.1	Ca_kabuli_chr02	1487149	TT	GG	1940146045
SNP_P1_20857_1487155	NC_021161.1	Ca_kabuli_chr02	1487155	AA	CC	1940146046
SNP_P1_20858_1487207	NC_021161.1	Ca_kabuli_chr02	1487207	TT	AA	1940146047
SNP_P1_20859_1487243	NC_021161.1	Ca_kabuli_chr02	1487243	AA	GG	1940146048
SNP_P1_20860_1487606	NC_021161.1	Ca_kabuli_chr02	1487606	CC	TT	1940146049
SNP_P1_20861_1498191	NC_021161.1	Ca_kabuli_chr02	1498191	GG	AA	1940146050
SNP_P1_20862_1541708	NC_021161.1	Ca_kabuli_chr02	1541708	CC	TT	1940146051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_20863_1541723	NC_021161.1	Ca_kabuli_chr02	1541723	AA	GG	1940146052
SNP_P1_20864_1541783	NC_021161.1	Ca_kabuli_chr02	1541783	CC	TT	1940146053
SNP_P1_20865_1545698	NC_021161.1	Ca_kabuli_chr02	1545698	CC	AA	1940146054
SNP_P1_20866_1545699	NC_021161.1	Ca_kabuli_chr02	1545699	AA	TT	1940146055
SNP_P1_20868_1545989	NC_021161.1	Ca_kabuli_chr02	1545989	GG	AA	1940146056
SNP_P1_20869_1553805	NC_021161.1	Ca_kabuli_chr02	1553805	CC	TT	1940146057
SNP_P1_20870_1556527	NC_021161.1	Ca_kabuli_chr02	1556527	GG	AA	1940146058
SNP_P1_20871_1556760	NC_021161.1	Ca_kabuli_chr02	1556760	AA	CC	1940146059
SNP_P1_20873_1568531	NC_021161.1	Ca_kabuli_chr02	1568531	GG	AA	1940146060
SNP_P1_20874_1604590	NC_021161.1	Ca_kabuli_chr02	1604590	GG	CC	1940146061
SNP_P1_20875_1639786	NC_021161.1	Ca_kabuli_chr02	1639786	AA	TT	1940146062
SNP_P1_20876_1640042	NC_021161.1	Ca_kabuli_chr02	1640042	GG	TT	1940146063
SNP_P1_20877_1640052	NC_021161.1	Ca_kabuli_chr02	1640052	GG	TT	1940146064
SNP_P1_20879_1640146	NC_021161.1	Ca_kabuli_chr02	1640146	AA	GG	1940146065
SNP_P1_20880_1640275	NC_021161.1	Ca_kabuli_chr02	1640275	AA	GG	1940146066
SNP_P1_20881_1640387	NC_021161.1	Ca_kabuli_chr02	1640387	GG	TT	1940146067
SNP_P1_20882_1640440	NC_021161.1	Ca_kabuli_chr02	1640440	TT	AA	1940146069
SNP_P1_20883_1640449	NC_021161.1	Ca_kabuli_chr02	1640449	CC	TT	1940146070
SNP_P1_20884_1640511	NC_021161.1	Ca_kabuli_chr02	1640511	TT	AA	1940146071
SNP_P1_20885_1640532	NC_021161.1	Ca_kabuli_chr02	1640532	AA	TT	1940146072
SNP_P1_20886_1640552	NC_021161.1	Ca_kabuli_chr02	1640552	TT	CC	1940146073
SNP_P1_20887_1640781	NC_021161.1	Ca_kabuli_chr02	1640781	TT	AA	1940146074
SNP_P1_20888_1640907	NC_021161.1	Ca_kabuli_chr02	1640907	CC	GG	1940146075
SNP_P1_20889_1640937	NC_021161.1	Ca_kabuli_chr02	1640937	TT	AA	1940146076
SNP_P1_20890_1640955	NC_021161.1	Ca_kabuli_chr02	1640955	TT	CC	1940146077
SNP_P1_20891_1640961	NC_021161.1	Ca_kabuli_chr02	1640961	CC	TT	1940146078
SNP_P1_20892_1640970	NC_021161.1	Ca_kabuli_chr02	1640970	CC	TT	1940146079
SNP_P1_20893_1650078	NC_021161.1	Ca_kabuli_chr02	1650078	AA	GG	1940146080
SNP_P1_20894_1650101	NC_021161.1	Ca_kabuli_chr02	1650101	AA	TT	1940146081
SNP_P1_20895_1650670	NC_021161.1	Ca_kabuli_chr02	1650670	AA	TT	1940146082
SNP_P1_20896_1652153	NC_021161.1	Ca_kabuli_chr02	1652153	TT	CC	1940146083
SNP_P1_20897_1653332	NC_021161.1	Ca_kabuli_chr02	1653332	CC	GG	1940146084
SNP_P1_20898_1671279	NC_021161.1	Ca_kabuli_chr02	1671279	CC	TT	1940146085
SNP_P1_20899_1677271	NC_021161.1	Ca_kabuli_chr02	1677271	TT	AA	1940146086
SNP_P1_20900_1677272	NC_021161.1	Ca_kabuli_chr02	1677272	TT	AA	1940146087
SNP_P1_20901_1702706	NC_021161.1	Ca_kabuli_chr02	1702706	GG	AA	1940146088
SNP_P1_20903_1735043	NC_021161.1	Ca_kabuli_chr02	1735043	CC	TT	1940146089
SNP_P1_20904_1739085	NC_021161.1	Ca_kabuli_chr02	1739085	CC	TT	1940146090
SNP_P1_20905_1739180	NC_021161.1	Ca_kabuli_chr02	1739180	CC	TT	1940146091
SNP_P1_20906_1751902	NC_021161.1	Ca_kabuli_chr02	1751902	CC	TT	1940146092
SNP_P1_20907_1767847	NC_021161.1	Ca_kabuli_chr02	1767847	GG	TT	1940146093
SNP_P1_20908_1767855	NC_021161.1	Ca_kabuli_chr02	1767855	TT	CC	1940146094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_20910_1831983	NC_021161.1	Ca_kabuli_chr02	1831983	CC	AA	1940146096
SNP_P1_20911_1831992	NC_021161.1	Ca_kabuli_chr02	1831992	CC	GG	1940146097
SNP_P1_20914_1881737	NC_021161.1	Ca_kabuli_chr02	1881737	GG	AA	1940146098
SNP_P1_20917_1946863	NC_021161.1	Ca_kabuli_chr02	1946863	AA	CC	1940146099
SNP_P1_20918_1983964	NC_021161.1	Ca_kabuli_chr02	1983964	GG	AA	1940146100
SNP_P1_20919_1985810	NC_021161.1	Ca_kabuli_chr02	1985810	CC	AA	1940146101
SNP_P1_20922_2045273	NC_021161.1	Ca_kabuli_chr02	2045273	CC	TT	1940146102
SNP_P1_20923_2060943	NC_021161.1	Ca_kabuli_chr02	2060943	TT	AA	1940146103
SNP_P1_20925_2072711	NC_021161.1	Ca_kabuli_chr02	2072711	TT	CC	1940146104
SNP_P1_20926_2072716	NC_021161.1	Ca_kabuli_chr02	2072716	TT	AA	1940146105
SNP_P1_20927_2072808	NC_021161.1	Ca_kabuli_chr02	2072808	TT	GG	1940146106
SNP_P1_20928_2073018	NC_021161.1	Ca_kabuli_chr02	2073018	AA	GG	1940146107
SNP_P1_20929_2073063	NC_021161.1	Ca_kabuli_chr02	2073063	GG	TT	1940146108
SNP_P1_20930_2074561	NC_021161.1	Ca_kabuli_chr02	2074561	AA	TT	1940146109
SNP_P1_20931_2078354	NC_021161.1	Ca_kabuli_chr02	2078354	GG	AA	1940146110
SNP_P1_20932_2078375	NC_021161.1	Ca_kabuli_chr02	2078375	CC	TT	1940146111
SNP_P1_20933_2078731	NC_021161.1	Ca_kabuli_chr02	2078731	CC	AA	1940146112
SNP_P1_20934_2078753	NC_021161.1	Ca_kabuli_chr02	2078753	GG	AA	1940146113
SNP_P1_20935_2078792	NC_021161.1	Ca_kabuli_chr02	2078792	CC	AA	1940146114
SNP_P1_20936_2081553	NC_021161.1	Ca_kabuli_chr02	2081553	AA	GG	1940146115
SNP_P1_20937_2081555	NC_021161.1	Ca_kabuli_chr02	2081555	AA	GG	1940146116
SNP_P1_20938_2103315	NC_021161.1	Ca_kabuli_chr02	2103315	AA	TT	1940146117
SNP_P1_20939_2162501	NC_021161.1	Ca_kabuli_chr02	2162501	TT	GG	1940146118
SNP_P1_20942_2169123	NC_021161.1	Ca_kabuli_chr02	2169123	TT	GG	1940146119
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SNP_P1_20944_2169207	NC_021161.1	Ca_kabuli_chr02	2169207	AA	GG	1940146121
SNP_P1_20946_2186819	NC_021161.1	Ca_kabuli_chr02	2186819	CC	TT	1940146122
SNP_P1_20947_2219983	NC_021161.1	Ca_kabuli_chr02	2219983	CC	GG	1940146123
SNP_P1_20949_2278533	NC_021161.1	Ca_kabuli_chr02	2278533	TT	CC	1940146124
SNP_P1_20950_2278749	NC_021161.1	Ca_kabuli_chr02	2278749	GG	AA	1940146125
SNP_P1_20952_2278799	NC_021161.1	Ca_kabuli_chr02	2278799	GG	AA	1940146127
SNP_P1_20953_2278984	NC_021161.1	Ca_kabuli_chr02	2278984	GG	AA	1940146128
SNP_P1_20954_2285468	NC_021161.1	Ca_kabuli_chr02	2285468	TT	CC	1940146129
SNP_P1_20955_2285482	NC_021161.1	Ca_kabuli_chr02	2285482	AA	CC	1940146130
SNP_P1_20956_2285500	NC_021161.1	Ca_kabuli_chr02	2285500	TT	CC	1940146131
SNP_P1_20957_2285757	NC_021161.1	Ca_kabuli_chr02	2285757	AA	GG	1940146132
SNP_P1_20959_2301325	NC_021161.1	Ca_kabuli_chr02	2301325	GG	AA	1940146133
SNP_P1_20960_2317588	NC_021161.1	Ca_kabuli_chr02	2317588	CC	GG	1940146134
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SNP_P1_20962_2326382	NC_021161.1	Ca_kabuli_chr02	2326382	TT	CC	1940146136
SNP_P1_20963_2328435	NC_021161.1	Ca_kabuli_chr02	2328435	AA	TT	1940146137

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_20965_2338678	NC_021161.1	Ca_kabuli_chr02	2338678	AA	CC	1940146139
SNP_P1_20966_2339882	NC_021161.1	Ca_kabuli_chr02	2339882	TT	CC	1940146140
SNP_P1_20968_2376829	NC_021161.1	Ca_kabuli_chr02	2376829	AA	GG	1940146141
SNP_P1_20969_2394580	NC_021161.1	Ca_kabuli_chr02	2394580	TT	CC	1940146142
SNP_P1_20970_2397284	NC_021161.1	Ca_kabuli_chr02	2397284	GG	AA	1940146143
SNP_P1_20971_2454658	NC_021161.1	Ca_kabuli_chr02	2454658	GG	AA	1940146144
SNP_P1_20972_2479234	NC_021161.1	Ca_kabuli_chr02	2479234	TT	CC	1940146145
SNP_P1_20973_2481720	NC_021161.1	Ca_kabuli_chr02	2481720	CC	GG	1940146146
SNP_P1_20974_2481729	NC_021161.1	Ca_kabuli_chr02	2481729	CC	AA	1940146147
SNP_P1_20975_2497844	NC_021161.1	Ca_kabuli_chr02	2497844	TT	AA	1940146148
SNP_P1_20976_2497845	NC_021161.1	Ca_kabuli_chr02	2497845	AA	CC	1940146149
SNP_P1_20977_2500246	NC_021161.1	Ca_kabuli_chr02	2500246	AA	CC	1940146150
SNP_P1_20978_2504134	NC_021161.1	Ca_kabuli_chr02	2504134	TT	CC	1940146151
SNP_P1_20979_2515271	NC_021161.1	Ca_kabuli_chr02	2515271	AA	GG	1940146152
SNP_P1_20980_2517208	NC_021161.1	Ca_kabuli_chr02	2517208	AA	GG	1940146153
SNP_P1_20981_2544784	NC_021161.1	Ca_kabuli_chr02	2544784	AA	TT	1940146154
SNP_P1_20983_2561827	NC_021161.1	Ca_kabuli_chr02	2561827	AA	GG	1940146155
SNP_P1_20984_2568155	NC_021161.1	Ca_kabuli_chr02	2568155	AA	GG	1940146156
SNP_P1_20985_2589927	NC_021161.1	Ca_kabuli_chr02	2589927	GG	TT	1940146157
SNP_P1_20988_2628676	NC_021161.1	Ca_kabuli_chr02	2628676	GG	TT	1940146158
SNP_P1_20989_2666338	NC_021161.1	Ca_kabuli_chr02	2666338	GG	AA	1940146159
SNP_P1_20990_2672825	NC_021161.1	Ca_kabuli_chr02	2672825	AA	GG	1940146160
SNP_P1_20991_2689109	NC_021161.1	Ca_kabuli_chr02	2689109	GG	AA	1940146161
SNP_P1_20993_2693725	NC_021161.1	Ca_kabuli_chr02	2693725	CC	TT	1940146162
SNP_P1_20994_2707134	NC_021161.1	Ca_kabuli_chr02	2707134	GG	TT	1940146163
SNP_P1_20996_2760922	NC_021161.1	Ca_kabuli_chr02	2760922	GG	AA	1940146164
SNP_P1_20997_2785852	NC_021161.1	Ca_kabuli_chr02	2785852	GG	AA	1940146165
SNP_P1_20998_2798107	NC_021161.1	Ca_kabuli_chr02	2798107	AA	GG	1940146166
SNP_P1_21000_2811083	NC_021161.1	Ca_kabuli_chr02	2811083	AA	TT	1940146167
SNP_P1_21001_2811837	NC_021161.1	Ca_kabuli_chr02	2811837	TT	CC	1940146168
SNP_P1_21002_2830635	NC_021161.1	Ca_kabuli_chr02	2830635	AA	GG	1940146169
SNP_P1_21003_2852365	NC_021161.1	Ca_kabuli_chr02	2852365	TT	CC	1940146170
SNP_P1_21004_2854535	NC_021161.1	Ca_kabuli_chr02	2854535	AA	GG	1940146171
SNP_P1_21006_2886782	NC_021161.1	Ca_kabuli_chr02	2886782	AA	GG	1940146172
SNP_P1_21007_2886789	NC_021161.1	Ca_kabuli_chr02	2886789	AA	GG	1940146173
SNP_P1_21009_2889270	NC_021161.1	Ca_kabuli_chr02	2889270	GG	AA	1940146174
SNP_P1_21010_2896046	NC_021161.1	Ca_kabuli_chr02	2896046	TT	AA	1940146175
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SNP_P1_21013_2914471	NC_021161.1	Ca_kabuli_chr02	2914471	GG	AA	1940146177
SNP_P1_21014_2930153	NC_021161.1	Ca_kabuli_chr02	2930153	TT	CC	1940146178
SNP_P1_21015_2934659	NC_021161.1	Ca_kabuli_chr02	2934659	AA	GG	1940146179

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21017_2937930	NC_021161.1	Ca_kabuli_chr02	2937930	CC	TT	1940146182
SNP_P1_21018_2937932	NC_021161.1	Ca_kabuli_chr02	2937932	AA	GG	1940146183
SNP_P1_21019_2938091	NC_021161.1	Ca_kabuli_chr02	2938091	TT	CC	1940146184
SNP_P1_21020_2938093	NC_021161.1	Ca_kabuli_chr02	2938093	GG	TT	1940146185
SNP_P1_21021_2940667	NC_021161.1	Ca_kabuli_chr02	2940667	GG	AA	1940146186
SNP_P1_21022_2940677	NC_021161.1	Ca_kabuli_chr02	2940677	TT	CC	1940146187
SNP_P1_21023_2940896	NC_021161.1	Ca_kabuli_chr02	2940896	TT	CC	1940146188
SNP_P1_21025_2941365	NC_021161.1	Ca_kabuli_chr02	2941365	CC	AA	1940146189
SNP_P1_21026_2941418	NC_021161.1	Ca_kabuli_chr02	2941418	AA	GG	1940146190
SNP_P1_21027_2941557	NC_021161.1	Ca_kabuli_chr02	2941557	TT	CC	1940146191
SNP_P1_21028_2941609	NC_021161.1	Ca_kabuli_chr02	2941609	CC	TT	1940146192
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SNP_P1_21031_2951733	NC_021161.1	Ca_kabuli_chr02	2951733	GG	TT	1940146195
SNP_P1_21032_2956717	NC_021161.1	Ca_kabuli_chr02	2956717	GG	AA	1940146196
SNP_P1_21033_2960357	NC_021161.1	Ca_kabuli_chr02	2960357	GG	CC	1940146197
SNP_P1_21034_2960358	NC_021161.1	Ca_kabuli_chr02	2960358	GG	AA	1940146198
SNP_P1_21035_2960483	NC_021161.1	Ca_kabuli_chr02	2960483	CC	TT	1940146199
SNP_P1_21036_2964905	NC_021161.1	Ca_kabuli_chr02	2964905	CC	AA	1940146200
SNP_P1_21038_2974843	NC_021161.1	Ca_kabuli_chr02	2974843	AA	GG	1940146201
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SNP_P1_21040_2974900	NC_021161.1	Ca_kabuli_chr02	2974900	GG	AA	1940146203
SNP_P1_21042_2975104	NC_021161.1	Ca_kabuli_chr02	2975104	GG	TT	1940146204
SNP_P1_21044_2976203	NC_021161.1	Ca_kabuli_chr02	2976203	GG	AA	1940146205
SNP_P1_21046_2976530	NC_021161.1	Ca_kabuli_chr02	2976530	TT	AA	1940146206
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SNP_P1_21050_2978074	NC_021161.1	Ca_kabuli_chr02	2978074	AA	CC	1940146208
SNP_P1_21051_2978103	NC_021161.1	Ca_kabuli_chr02	2978103	AA	TT	1940146209
SNP_P1_21052_2978231	NC_021161.1	Ca_kabuli_chr02	2978231	AA	TT	1940146210
SNP_P1_21053_2979845	NC_021161.1	Ca_kabuli_chr02	2979845	GG	CC	1940146211
SNP_P1_21054_2980570	NC_021161.1	Ca_kabuli_chr02	2980570	CC	GG	1940146212
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SNP_P1_21056_2980617	NC_021161.1	Ca_kabuli_chr02	2980617	CC	TT	1940146214
SNP_P1_21057_2980748	NC_021161.1	Ca_kabuli_chr02	2980748	AA	GG	1940146215
SNP_P1_21058_2980753	NC_021161.1	Ca_kabuli_chr02	2980753	TT	CC	1940146216
SNP_P1_21059_2980754	NC_021161.1	Ca_kabuli_chr02	2980754	AA	GG	1940146217
SNP_P1_21060_2981339	NC_021161.1	Ca_kabuli_chr02	2981339	TT	CC	1940146218
SNP_P1_21061_2981917	NC_021161.1	Ca_kabuli_chr02	2981917	GG	TT	1940146219
SNP_P1_21062_2981918	NC_021161.1	Ca_kabuli_chr02	2981918	TT	CC	1940146220
SNP_P1_21063_2981938	NC_021161.1	Ca_kabuli_chr02	2981938	CC	TT	1940146221
SNP_P1_21064_2982863	NC_021161.1	Ca_kabuli_chr02	2982863	TT	CC	1940146222

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21067_2984036	NC_021161.1	Ca_kabuli_chr02	2984036	AA	GG	1940146225
SNP_P1_21068_2984054	NC_021161.1	Ca_kabuli_chr02	2984054	AA	TT	1940146227
SNP_P1_21070_2984326	NC_021161.1	Ca_kabuli_chr02	2984326	CC	AA	1940146228
SNP_P1_21073_2984433	NC_021161.1	Ca_kabuli_chr02	2984433	AA	TT	1940146229
SNP_P1_21075_2984676	NC_021161.1	Ca_kabuli_chr02	2984676	GG	AA	1940146230
SNP_P1_21076_2984693	NC_021161.1	Ca_kabuli_chr02	2984693	CC	TT	1940146231
SNP_P1_21077_2984763	NC_021161.1	Ca_kabuli_chr02	2984763	AA	GG	1940146232
SNP_P1_21078_2984770	NC_021161.1	Ca_kabuli_chr02	2984770	TT	AA	1940146233
SNP_P1_21079_2984776	NC_021161.1	Ca_kabuli_chr02	2984776	GG	AA	1940146234
SNP_P1_21080_2985139	NC_021161.1	Ca_kabuli_chr02	2985139	CC	TT	1940146235
SNP_P1_21081_2985687	NC_021161.1	Ca_kabuli_chr02	2985687	AA	GG	1940146236
SNP_P1_21082_2985713	NC_021161.1	Ca_kabuli_chr02	2985713	AA	CC	1940146237
SNP_P1_21083_2985722	NC_021161.1	Ca_kabuli_chr02	2985722	AA	GG	1940146238
SNP_P1_21084_2985764	NC_021161.1	Ca_kabuli_chr02	2985764	TT	GG	1940146239
SNP_P1_21086_2985826	NC_021161.1	Ca_kabuli_chr02	2985826	TT	CC	1940146240
SNP_P1_21087_2985893	NC_021161.1	Ca_kabuli_chr02	2985893	TT	AA	1940146241
SNP_P1_21088_2985894	NC_021161.1	Ca_kabuli_chr02	2985894	TT	CC	1940146242
SNP_P1_21089_2986021	NC_021161.1	Ca_kabuli_chr02	2986021	TT	CC	1940146243
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SNP_P1_21093_2987193	NC_021161.1	Ca_kabuli_chr02	2987193	AA	TT	1940146246
SNP_P1_21095_2988243	NC_021161.1	Ca_kabuli_chr02	2988243	AA	CC	1940146247
SNP_P1_21096_2990332	NC_021161.1	Ca_kabuli_chr02	2990332	AA	GG	1940146248
SNP_P1_21097_2990333	NC_021161.1	Ca_kabuli_chr02	2990333	CC	TT	1940146249
SNP_P1_21098_2990338	NC_021161.1	Ca_kabuli_chr02	2990338	TT	CC	1940146250
SNP_P1_21099_2990343	NC_021161.1	Ca_kabuli_chr02	2990343	TT	CC	1940146251
SNP_P1_21100_2990357	NC_021161.1	Ca_kabuli_chr02	2990357	CC	TT	1940146252
SNP_P1_21101_2990364	NC_021161.1	Ca_kabuli_chr02	2990364	AA	GG	1940146253
SNP_P1_21102_2991628	NC_021161.1	Ca_kabuli_chr02	2991628	CC	TT	1940146254
SNP_P1_21103_2995645	NC_021161.1	Ca_kabuli_chr02	2995645	AA	CC	1940146255
SNP_P1_21104_2996031	NC_021161.1	Ca_kabuli_chr02	2996031	AA	GG	1940146256
SNP_P1_21105_2996039	NC_021161.1	Ca_kabuli_chr02	2996039	TT	AA	1940146257
SNP_P1_21106_2996068	NC_021161.1	Ca_kabuli_chr02	2996068	CC	TT	1940146258
SNP_P1_21108_2996162	NC_021161.1	Ca_kabuli_chr02	2996162	TT	CC	1940146259
SNP_P1_21110_2996194	NC_021161.1	Ca_kabuli_chr02	2996194	AA	TT	1940146261
SNP_P1_21111_2996217	NC_021161.1	Ca_kabuli_chr02	2996217	TT	AA	1940146262
SNP_P1_21112_2996241	NC_021161.1	Ca_kabuli_chr02	2996241	TT	CC	1940146263
SNP_P1_21113_2996280	NC_021161.1	Ca_kabuli_chr02	2996280	TT	AA	1940146264
SNP_P1_21114_2996283	NC_021161.1	Ca_kabuli_chr02	2996283	TT	AA	1940146265
SNP_P1_21115_2996287	NC_021161.1	Ca_kabuli_chr02	2996287	AA	GG	1940146266

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21117_2998207	NC_021161.1	Ca_kabuli_chr02	2998207	TT	AA	1940146268
SNP_P1_21118_2998278	NC_021161.1	Ca_kabuli_chr02	2998278	AA	TT	1940146269
SNP_P1_21119_2998285	NC_021161.1	Ca_kabuli_chr02	2998285	GG	AA	1940146270
SNP_P1_21120_3000331	NC_021161.1	Ca_kabuli_chr02	3000331	CC	AA	1940146271
SNP_P1_21123_3000657	NC_021161.1	Ca_kabuli_chr02	3000657	AA	GG	1940146272
SNP_P1_21124_3000668	NC_021161.1	Ca_kabuli_chr02	3000668	CC	TT	1940146273
SNP_P1_21126_3001212	NC_021161.1	Ca_kabuli_chr02	3001212	GG	AA	1940146274
SNP_P1_21127_3001214	NC_021161.1	Ca_kabuli_chr02	3001214	AA	GG	1940146275
SNP_P1_21128_3001619	NC_021161.1	Ca_kabuli_chr02	3001619	AA	GG	1940146276
SNP_P1_21129_3001666	NC_021161.1	Ca_kabuli_chr02	3001666	GG	AA	1940146277
SNP_P1_21131_3001719	NC_021161.1	Ca_kabuli_chr02	3001719	TT	CC	1940146278
SNP_P1_21133_3004068	NC_021161.1	Ca_kabuli_chr02	3004068	TT	CC	1940146279
SNP_P1_21134_3004069	NC_021161.1	Ca_kabuli_chr02	3004069	CC	TT	1940146280
SNP_P1_21135_3005029	NC_021161.1	Ca_kabuli_chr02	3005029	GG	AA	1940146281
SNP_P1_21136_3005300	NC_021161.1	Ca_kabuli_chr02	3005300	GG	AA	1940146282
SNP_P1_21138_3005647	NC_021161.1	Ca_kabuli_chr02	3005647	CC	TT	1940146283
SNP_P1_21139_3005668	NC_021161.1	Ca_kabuli_chr02	3005668	GG	AA	1940146284
SNP_P1_21140_3005843	NC_021161.1	Ca_kabuli_chr02	3005843	AA	GG	1940146285
SNP_P1_21141_3006049	NC_021161.1	Ca_kabuli_chr02	3006049	CC	AA	1940146286
SNP_P1_21142_3006438	NC_021161.1	Ca_kabuli_chr02	3006438	CC	GG	1940146287
SNP_P1_21143_3006760	NC_021161.1	Ca_kabuli_chr02	3006760	TT	CC	1940146288
SNP_P1_21145_3007660	NC_021161.1	Ca_kabuli_chr02	3007660	TT	CC	1940146289
SNP_P1_21146_3008214	NC_021161.1	Ca_kabuli_chr02	3008214	GG	CC	1940146290
SNP_P1_21147_3008277	NC_021161.1	Ca_kabuli_chr02	3008277	TT	CC	1940146291
SNP_P1_21149_3009200	NC_021161.1	Ca_kabuli_chr02	3009200	CC	AA	1940146292
SNP_P1_21152_3012640	NC_021161.1	Ca_kabuli_chr02	3012640	AA	CC	1940146293
SNP_P1_21153_3012901	NC_021161.1	Ca_kabuli_chr02	3012901	GG	CC	1940146294
SNP_P1_21154_3014398	NC_021161.1	Ca_kabuli_chr02	3014398	TT	GG	1940146295
SNP_P1_21155_3014437	NC_021161.1	Ca_kabuli_chr02	3014437	AA	CC	1940146296
SNP_P1_21156_3014766	NC_021161.1	Ca_kabuli_chr02	3014766	AA	GG	1940146297
SNP_P1_21157_3014839	NC_021161.1	Ca_kabuli_chr02	3014839	GG	AA	1940146298
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SNP_P1_21160_3016714	NC_021161.1	Ca_kabuli_chr02	3016714	TT	CC	1940146300
SNP_P1_21161_3017002	NC_021161.1	Ca_kabuli_chr02	3017002	TT	GG	1940146301
SNP_P1_21162_3017016	NC_021161.1	Ca_kabuli_chr02	3017016	GG	AA	1940146303
SNP_P1_21163_3019601	NC_021161.1	Ca_kabuli_chr02	3019601	TT	AA	1940146304
SNP_P1_21164_3020527	NC_021161.1	Ca_kabuli_chr02	3020527	AA	GG	1940146305
SNP_P1_21165_3020710	NC_021161.1	Ca_kabuli_chr02	3020710	AA	CC	1940146306
SNP_P1_21166_3020829	NC_021161.1	Ca_kabuli_chr02	3020829	GG	TT	1940146307
SNP_P1_21168_3020973	NC_021161.1	Ca_kabuli_chr02	3020973	AA	TT	1940146308
SNP_P1_21170_3021173	NC_021161.1	Ca_kabuli_chr02	3021173	CC	TT	1940146309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21175_3022398	NC_021161.1	Ca_kabuli_chr02	3022398	TT	CC	1940146311
SNP_P1_21176_3022403	NC_021161.1	Ca_kabuli_chr02	3022403	TT	CC	1940146312
SNP_P1_21177_3022443	NC_021161.1	Ca_kabuli_chr02	3022443	AA	GG	1940146313
SNP_P1_21178_3022465	NC_021161.1	Ca_kabuli_chr02	3022465	CC	AA	1940146314
SNP_P1_21179_3022511	NC_021161.1	Ca_kabuli_chr02	3022511	CC	TT	1940146315
SNP_P1_21180_3022568	NC_021161.1	Ca_kabuli_chr02	3022568	TT	AA	1940146316
SNP_P1_21181_3022579	NC_021161.1	Ca_kabuli_chr02	3022579	CC	TT	1940146317
SNP_P1_21183_3022667	NC_021161.1	Ca_kabuli_chr02	3022667	TT	CC	1940146318
SNP_P1_21184_3022822	NC_021161.1	Ca_kabuli_chr02	3022822	GG	TT	1940146319
SNP_P1_21186_3022870	NC_021161.1	Ca_kabuli_chr02	3022870	AA	GG	1940146320
SNP_P1_21188_3023073	NC_021161.1	Ca_kabuli_chr02	3023073	TT	CC	1940146321
SNP_P1_21189_3023439	NC_021161.1	Ca_kabuli_chr02	3023439	TT	CC	1940146322
SNP_P1_21191_3023714	NC_021161.1	Ca_kabuli_chr02	3023714	TT	CC	1940146323
SNP_P1_21192_3024395	NC_021161.1	Ca_kabuli_chr02	3024395	AA	GG	1940146324
SNP_P1_21193_3024396	NC_021161.1	Ca_kabuli_chr02	3024396	TT	CC	1940146325
SNP_P1_21195_3024920	NC_021161.1	Ca_kabuli_chr02	3024920	CC	TT	1940146326
SNP_P1_21196_3025226	NC_021161.1	Ca_kabuli_chr02	3025226	CC	TT	1940146327
SNP_P1_21197_3025311	NC_021161.1	Ca_kabuli_chr02	3025311	TT	CC	1940146329
SNP_P1_21198_3025502	NC_021161.1	Ca_kabuli_chr02	3025502	CC	TT	1940146330
SNP_P1_21199_3025626	NC_021161.1	Ca_kabuli_chr02	3025626	AA	TT	1940146331
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SNP_P1_21201_3026635	NC_021161.1	Ca_kabuli_chr02	3026635	TT	GG	1940146333
SNP_P1_21202_3026636	NC_021161.1	Ca_kabuli_chr02	3026636	AA	GG	1940146334
SNP_P1_21203_3026654	NC_021161.1	Ca_kabuli_chr02	3026654	TT	AA	1940146335
SNP_P1_21204_3026656	NC_021161.1	Ca_kabuli_chr02	3026656	AA	TT	1940146336
SNP_P1_21205_3026947	NC_021161.1	Ca_kabuli_chr02	3026947	GG	AA	1940146337
SNP_P1_21206_3027062	NC_021161.1	Ca_kabuli_chr02	3027062	CC	TT	1940146338
SNP_P1_21207_3027982	NC_021161.1	Ca_kabuli_chr02	3027982	AA	GG	1940146339
SNP_P1_21209_3029358	NC_021161.1	Ca_kabuli_chr02	3029358	TT	GG	1940146340
SNP_P1_21211_3029479	NC_021161.1	Ca_kabuli_chr02	3029479	AA	TT	1940146341
SNP_P1_21213_3029714	NC_021161.1	Ca_kabuli_chr02	3029714	GG	CC	1940146342
SNP_P1_21214_3029781	NC_021161.1	Ca_kabuli_chr02	3029781	TT	CC	1940146343
SNP_P1_21215_3029821	NC_021161.1	Ca_kabuli_chr02	3029821	AA	GG	1940146344
SNP_P1_21216_3030935	NC_021161.1	Ca_kabuli_chr02	3030935	GG	AA	1940146345
SNP_P1_21218_3030953	NC_021161.1	Ca_kabuli_chr02	3030953	GG	CC	1940146346
SNP_P1_21219_3031083	NC_021161.1	Ca_kabuli_chr02	3031083	GG	AA	1940146347
SNP_P1_21220_3031101	NC_021161.1	Ca_kabuli_chr02	3031101	TT	GG	1940146348
SNP_P1_21221_3031173	NC_021161.1	Ca_kabuli_chr02	3031173	GG	AA	1940146349
SNP_P1_21222_3031197	NC_021161.1	Ca_kabuli_chr02	3031197	GG	CC	1940146350
SNP_P1_21224_3031310	NC_021161.1	Ca_kabuli_chr02	3031310	TT	AA	1940146351
SNP_P1_21225_3031347	NC_021161.1	Ca_kabuli_chr02	3031347	GG	AA	1940146352

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21227_3031550	NC_021161.1	Ca_kabuli_chr02	3031550	AA	TT	1940146354
SNP_P1_21229_3031624	NC_021161.1	Ca_kabuli_chr02	3031624	AA	CC	1940146355
SNP_P1_21230_3031697	NC_021161.1	Ca_kabuli_chr02	3031697	AA	GG	1940146356
SNP_P1_21231_3031726	NC_021161.1	Ca_kabuli_chr02	3031726	GG	AA	1940146357
SNP_P1_21232_3031993	NC_021161.1	Ca_kabuli_chr02	3031993	TT	CC	1940146358
SNP_P1_21233_3032974	NC_021161.1	Ca_kabuli_chr02	3032974	CC	TT	1940146360
SNP_P1_21234_3032992	NC_021161.1	Ca_kabuli_chr02	3032992	TT	CC	1940146361
SNP_P1_21236_3033169	NC_021161.1	Ca_kabuli_chr02	3033169	AA	TT	1940146362
SNP_P1_21237_3033194	NC_021161.1	Ca_kabuli_chr02	3033194	CC	TT	1940146363
SNP_P1_21238_3033202	NC_021161.1	Ca_kabuli_chr02	3033202	TT	AA	1940146364
SNP_P1_21239_3033205	NC_021161.1	Ca_kabuli_chr02	3033205	CC	GG	1940146365
SNP_P1_21240_3034643	NC_021161.1	Ca_kabuli_chr02	3034643	GG	TT	1940146366
SNP_P1_21241_3035261	NC_021161.1	Ca_kabuli_chr02	3035261	AA	CC	1940146367
SNP_P1_21242_3037152	NC_021161.1	Ca_kabuli_chr02	3037152	CC	TT	1940146368
SNP_P1_21243_3037156	NC_021161.1	Ca_kabuli_chr02	3037156	CC	TT	1940146369
SNP_P1_21244_3037165	NC_021161.1	Ca_kabuli_chr02	3037165	CC	TT	1940146370
SNP_P1_21246_3038846	NC_021161.1	Ca_kabuli_chr02	3038846	AA	TT	1940146371
SNP_P1_21248_3039306	NC_021161.1	Ca_kabuli_chr02	3039306	GG	CC	1940146372
SNP_P1_21250_3039334	NC_021161.1	Ca_kabuli_chr02	3039334	CC	TT	1940146373
SNP_P1_21253_3041598	NC_021161.1	Ca_kabuli_chr02	3041598	CC	AA	1940146374
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SNP_P1_21257_3044270	NC_021161.1	Ca_kabuli_chr02	3044270	AA	TT	1940146377
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SNP_P1_21262_3045253	NC_021161.1	Ca_kabuli_chr02	3045253	AA	TT	1940146382
SNP_P1_21263_3046702	NC_021161.1	Ca_kabuli_chr02	3046702	CC	TT	1940146383
SNP_P1_21264_3047089	NC_021161.1	Ca_kabuli_chr02	3047089	TT	AA	1940146384
SNP_P1_21265_3047102	NC_021161.1	Ca_kabuli_chr02	3047102	CC	AA	1940146385
SNP_P1_21267_3047241	NC_021161.1	Ca_kabuli_chr02	3047241	CC	TT	1940146386
SNP_P1_21268_3047264	NC_021161.1	Ca_kabuli_chr02	3047264	GG	AA	1940146387
SNP_P1_21269_3047449	NC_021161.1	Ca_kabuli_chr02	3047449	AA	GG	1940146388
SNP_P1_21270_3047579	NC_021161.1	Ca_kabuli_chr02	3047579	GG	CC	1940146389
SNP_P1_21271_3047580	NC_021161.1	Ca_kabuli_chr02	3047580	AA	CC	1940146390
SNP_P1_21272_3047601	NC_021161.1	Ca_kabuli_chr02	3047601	AA	TT	1940146391
SNP_P1_21273_3047714	NC_021161.1	Ca_kabuli_chr02	3047714	CC	AA	1940146392
SNP_P1_21276_3048807	NC_021161.1	Ca_kabuli_chr02	3048807	TT	GG	1940146393
SNP_P1_21277_3049208	NC_021161.1	Ca_kabuli_chr02	3049208	AA	CC	1940146394
SNP_P1_21278_3049212	NC_021161.1	Ca_kabuli_chr02	3049212	CC	TT	1940146395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21280_3050210	NC_021161.1	Ca_kabuli_chr02	3050210	CC	TT	1940146398
SNP_P1_21281_3050250	NC_021161.1	Ca_kabuli_chr02	3050250	AA	CC	1940146399
SNP_P1_21282_3050295	NC_021161.1	Ca_kabuli_chr02	3050295	AA	GG	1940146400
SNP_P1_21283_3050871	NC_021161.1	Ca_kabuli_chr02	3050871	CC	TT	1940146401
SNP_P1_21284_3051563	NC_021161.1	Ca_kabuli_chr02	3051563	CC	TT	1940146402
SNP_P1_21287_3052253	NC_021161.1	Ca_kabuli_chr02	3052253	GG	CC	1940146403
SNP_P1_21288_3052305	NC_021161.1	Ca_kabuli_chr02	3052305	CC	GG	1940146404
SNP_P1_21289_3052312	NC_021161.1	Ca_kabuli_chr02	3052312	TT	CC	1940146405
SNP_P1_21290_3052350	NC_021161.1	Ca_kabuli_chr02	3052350	CC	TT	1940146406
SNP_P1_21291_3052530	NC_021161.1	Ca_kabuli_chr02	3052530	TT	GG	1940146407
SNP_P1_21292_3056747	NC_021161.1	Ca_kabuli_chr02	3056747	GG	AA	1940146408
SNP_P1_21294_3062051	NC_021161.1	Ca_kabuli_chr02	3062051	AA	CC	1940146409
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SNP_P1_21297_3079108	NC_021161.1	Ca_kabuli_chr02	3079108	TT	AA	1940146412
SNP_P1_21298_3080204	NC_021161.1	Ca_kabuli_chr02	3080204	CC	GG	1940146413
SNP_P1_21299_3087412	NC_021161.1	Ca_kabuli_chr02	3087412	GG	AA	1940146414
SNP_P1_21300_3087744	NC_021161.1	Ca_kabuli_chr02	3087744	GG	AA	1940146415
SNP_P1_21301_3087787	NC_021161.1	Ca_kabuli_chr02	3087787	TT	AA	1940146416
SNP_P1_21303_3088519	NC_021161.1	Ca_kabuli_chr02	3088519	TT	CC	1940146417
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SNP_P1_21305_3088563	NC_021161.1	Ca_kabuli_chr02	3088563	CC	TT	1940146419
SNP_P1_21306_3088601	NC_021161.1	Ca_kabuli_chr02	3088601	AA	GG	1940146420
SNP_P1_21307_3088783	NC_021161.1	Ca_kabuli_chr02	3088783	CC	TT	1940146421
SNP_P1_21308_3089201	NC_021161.1	Ca_kabuli_chr02	3089201	AA	TT	1940146422
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SNP_P1_21311_3089475	NC_021161.1	Ca_kabuli_chr02	3089475	GG	TT	1940146425
SNP_P1_21312_3089569	NC_021161.1	Ca_kabuli_chr02	3089569	TT	CC	1940146426
SNP_P1_21313_3089832	NC_021161.1	Ca_kabuli_chr02	3089832	AA	CC	1940146427
SNP_P1_21314_3090091	NC_021161.1	Ca_kabuli_chr02	3090091	GG	AA	1940146428
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SNP_P1_21317_3091460	NC_021161.1	Ca_kabuli_chr02	3091460	GG	TT	1940146430
SNP_P1_21318_3091639	NC_021161.1	Ca_kabuli_chr02	3091639	TT	CC	1940146431
SNP_P1_21319_3092025	NC_021161.1	Ca_kabuli_chr02	3092025	TT	CC	1940146433
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SNP_P1_21321_3092079	NC_021161.1	Ca_kabuli_chr02	3092079	CC	TT	1940146435
SNP_P1_21322_3092812	NC_021161.1	Ca_kabuli_chr02	3092812	CC	TT	1940146436
SNP_P1_21323_3092883	NC_021161.1	Ca_kabuli_chr02	3092883	GG	AA	1940146437
SNP_P1_21324_3093129	NC_021161.1	Ca_kabuli_chr02	3093129	CC	GG	1940146438
SNP_P1_21325_3093442	NC_021161.1	Ca_kabuli_chr02	3093442	GG	AA	1940146439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21327_3094278	NC_021161.1	Ca_kabuli_chr02	3094278	AA	GG	1940146441
SNP_P1_21328_3094290	NC_021161.1	Ca_kabuli_chr02	3094290	TT	CC	1940146442
SNP_P1_21331_3096639	NC_021161.1	Ca_kabuli_chr02	3096639	AA	GG	1940146443
SNP_P1_21333_3098030	NC_021161.1	Ca_kabuli_chr02	3098030	GG	CC	1940146444
SNP_P1_21334_3098043	NC_021161.1	Ca_kabuli_chr02	3098043	CC	AA	1940146445
SNP_P1_21335_3098280	NC_021161.1	Ca_kabuli_chr02	3098280	TT	CC	1940146446
SNP_P1_21337_3098604	NC_021161.1	Ca_kabuli_chr02	3098604	CC	GG	1940146447
SNP_P1_21339_3099236	NC_021161.1	Ca_kabuli_chr02	3099236	GG	AA	1940146448
SNP_P1_21340_3099384	NC_021161.1	Ca_kabuli_chr02	3099384	CC	TT	1940146449
SNP_P1_21343_3099637	NC_021161.1	Ca_kabuli_chr02	3099637	GG	CC	1940146450
SNP_P1_21344_3100116	NC_021161.1	Ca_kabuli_chr02	3100116	AA	GG	1940146451
SNP_P1_21345_3100573	NC_021161.1	Ca_kabuli_chr02	3100573	CC	TT	1940146452
SNP_P1_21346_3100960	NC_021161.1	Ca_kabuli_chr02	3100960	CC	TT	1940146453
SNP_P1_21347_3100998	NC_021161.1	Ca_kabuli_chr02	3100998	TT	CC	1940146454
SNP_P1_21349_3102099	NC_021161.1	Ca_kabuli_chr02	3102099	CC	TT	1940146455
SNP_P1_21350_3102145	NC_021161.1	Ca_kabuli_chr02	3102145	GG	AA	1940146456
SNP_P1_21351_3102146	NC_021161.1	Ca_kabuli_chr02	3102146	AA	GG	1940146457
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SNP_P1_21358_3103108	NC_021161.1	Ca_kabuli_chr02	3103108	TT	GG	1940146463
SNP_P1_21359_3104093	NC_021161.1	Ca_kabuli_chr02	3104093	AA	TT	1940146464
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SNP_P1_21363_3107471	NC_021161.1	Ca_kabuli_chr02	3107471	AA	TT	1940146467
SNP_P1_21364_3107490	NC_021161.1	Ca_kabuli_chr02	3107490	CC	TT	1940146468
SNP_P1_21365_3107521	NC_021161.1	Ca_kabuli_chr02	3107521	GG	AA	1940146469
SNP_P1_21366_3107625	NC_021161.1	Ca_kabuli_chr02	3107625	AA	GG	1940146470
SNP_P1_21367_3108684	NC_021161.1	Ca_kabuli_chr02	3108684	AA	GG	1940146471
SNP_P1_21368_3108778	NC_021161.1	Ca_kabuli_chr02	3108778	AA	GG	1940146472
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SNP_P1_21371_3108947	NC_021161.1	Ca_kabuli_chr02	3108947	TT	CC	1940146475
SNP_P1_21372_3109012	NC_021161.1	Ca_kabuli_chr02	3109012	AA	GG	1940146476
SNP_P1_21373_3109013	NC_021161.1	Ca_kabuli_chr02	3109013	GG	TT	1940146477
SNP_P1_21374_3109084	NC_021161.1	Ca_kabuli_chr02	3109084	CC	TT	1940146478
SNP_P1_21375_3109608	NC_021161.1	Ca_kabuli_chr02	3109608	CC	GG	1940146479
SNP_P1_21376_3109629	NC_021161.1	Ca_kabuli_chr02	3109629	TT	AA	1940146480
SNP_P1_21377_3111727	NC_021161.1	Ca_kabuli_chr02	3111727	GG	AA	1940146481
SNP_P1_21378_3112429	NC_021161.1	Ca_kabuli_chr02	3112429	CC	TT	1940146482

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21381_3112470	NC_021161.1	Ca_kabuli_chr02	3112470	GG	AA	1940146486
SNP_P1_21382_3112568	NC_021161.1	Ca_kabuli_chr02	3112568	GG	AA	1940146487
SNP_P1_21383_3112581	NC_021161.1	Ca_kabuli_chr02	3112581	TT	GG	1940146488
SNP_P1_21386_3113514	NC_021161.1	Ca_kabuli_chr02	3113514	GG	AA	1940146489
SNP_P1_21387_3113560	NC_021161.1	Ca_kabuli_chr02	3113560	GG	AA	1940146490
SNP_P1_21388_3116311	NC_021161.1	Ca_kabuli_chr02	3116311	TT	AA	1940146491
SNP_P1_21389_3116771	NC_021161.1	Ca_kabuli_chr02	3116771	GG	AA	1940146492
SNP_P1_21390_3117245	NC_021161.1	Ca_kabuli_chr02	3117245	TT	AA	1940146493
SNP_P1_21391_3117318	NC_021161.1	Ca_kabuli_chr02	3117318	TT	CC	1940146494
SNP_P1_21392_3117588	NC_021161.1	Ca_kabuli_chr02	3117588	CC	TT	1940146495
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SNP_P1_21394_3117648	NC_021161.1	Ca_kabuli_chr02	3117648	AA	GG	1940146497
SNP_P1_21395_3117667	NC_021161.1	Ca_kabuli_chr02	3117667	TT	CC	1940146498
SNP_P1_21396_3118286	NC_021161.1	Ca_kabuli_chr02	3118286	GG	CC	1940146499
SNP_P1_21398_3118930	NC_021161.1	Ca_kabuli_chr02	3118930	GG	CC	1940146500
SNP_P1_21399_3118950	NC_021161.1	Ca_kabuli_chr02	3118950	TT	CC	1940146501
SNP_P1_21400_3118951	NC_021161.1	Ca_kabuli_chr02	3118951	TT	AA	1940146502
SNP_P1_21402_3119185	NC_021161.1	Ca_kabuli_chr02	3119185	GG	AA	1940146503
SNP_P1_21403_3119331	NC_021161.1	Ca_kabuli_chr02	3119331	GG	TT	1940146504
SNP_P1_21404_3119673	NC_021161.1	Ca_kabuli_chr02	3119673	TT	GG	1940146505
SNP_P1_21405_3120012	NC_021161.1	Ca_kabuli_chr02	3120012	AA	TT	1940146506
SNP_P1_21406_3120143	NC_021161.1	Ca_kabuli_chr02	3120143	GG	AA	1940146507
SNP_P1_21407_3120217	NC_021161.1	Ca_kabuli_chr02	3120217	AA	TT	1940146508
SNP_P1_21408_3121003	NC_021161.1	Ca_kabuli_chr02	3121003	TT	CC	1940146509
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SNP_P1_21411_3121123	NC_021161.1	Ca_kabuli_chr02	3121123	TT	CC	1940146512
SNP_P1_21412_3121183	NC_021161.1	Ca_kabuli_chr02	3121183	AA	TT	1940146513
SNP_P1_21413_3121241	NC_021161.1	Ca_kabuli_chr02	3121241	GG	CC	1940146514
SNP_P1_21414_3121253	NC_021161.1	Ca_kabuli_chr02	3121253	TT	AA	1940146515
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SNP_P1_21416_3121622	NC_021161.1	Ca_kabuli_chr02	3121622	TT	CC	1940146517
SNP_P1_21417_3121633	NC_021161.1	Ca_kabuli_chr02	3121633	GG	AA	1940146518
SNP_P1_21418_3121647	NC_021161.1	Ca_kabuli_chr02	3121647	AA	TT	1940146519
SNP_P1_21419_3121648	NC_021161.1	Ca_kabuli_chr02	3121648	GG	CC	1940146520
SNP_P1_21420_3121979	NC_021161.1	Ca_kabuli_chr02	3121979	GG	CC	1940146521
SNP_P1_21421_3122032	NC_021161.1	Ca_kabuli_chr02	3122032	AA	CC	1940146523
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SNP_P1_21424_3123557	NC_021161.1	Ca_kabuli_chr02	3123557	CC	TT	1940146525
SNP_P1_21425_3123865	NC_021161.1	Ca_kabuli_chr02	3123865	TT	CC	1940146526

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21429_3124542	NC_021161.1	Ca_kabuli_chr02	3124542	TT	GG	1940146529
SNP_P1_21430_3124797	NC_021161.1	Ca_kabuli_chr02	3124797	GG	TT	1940146530
SNP_P1_21431_3124857	NC_021161.1	Ca_kabuli_chr02	3124857	CC	GG	1940146531
SNP_P1_21432_3124897	NC_021161.1	Ca_kabuli_chr02	3124897	GG	TT	1940146532
SNP_P1_21433_3125148	NC_021161.1	Ca_kabuli_chr02	3125148	AA	GG	1940146533
SNP_P1_21434_3125746	NC_021161.1	Ca_kabuli_chr02	3125746	GG	CC	1940146534
SNP_P1_21435_3125859	NC_021161.1	Ca_kabuli_chr02	3125859	CC	TT	1940146535
SNP_P1_21436_3125888	NC_021161.1	Ca_kabuli_chr02	3125888	CC	TT	1940146536
SNP_P1_21437_3125920	NC_021161.1	Ca_kabuli_chr02	3125920	AA	GG	1940146537
SNP_P1_21438_3125934	NC_021161.1	Ca_kabuli_chr02	3125934	CC	TT	1940146538
SNP_P1_21439_3125966	NC_021161.1	Ca_kabuli_chr02	3125966	CC	TT	1940146539
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SNP_P1_21443_3126097	NC_021161.1	Ca_kabuli_chr02	3126097	GG	AA	1940146542
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SNP_P1_21445_3126881	NC_021161.1	Ca_kabuli_chr02	3126881	CC	AA	1940146544
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SNP_P1_21448_3127471	NC_021161.1	Ca_kabuli_chr02	3127471	GG	AA	1940146546
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SNP_P1_21454_3129095	NC_021161.1	Ca_kabuli_chr02	3129095	AA	GG	1940146550
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SNP_P1_21458_3130988	NC_021161.1	Ca_kabuli_chr02	3130988	TT	CC	1940146554
SNP_P1_21459_3130989	NC_021161.1	Ca_kabuli_chr02	3130989	GG	AA	1940146556
SNP_P1_21460_3132167	NC_021161.1	Ca_kabuli_chr02	3132167	GG	AA	1940146557
SNP_P1_21461_3132579	NC_021161.1	Ca_kabuli_chr02	3132579	CC	AA	1940146558
SNP_P1_21462_3133620	NC_021161.1	Ca_kabuli_chr02	3133620	AA	GG	1940146559
SNP_P1_21463_3133936	NC_021161.1	Ca_kabuli_chr02	3133936	GG	AA	1940146560
SNP_P1_21464_3137235	NC_021161.1	Ca_kabuli_chr02	3137235	AA	GG	1940146561
SNP_P1_21466_3137334	NC_021161.1	Ca_kabuli_chr02	3137334	AA	TT	1940146562
SNP_P1_21467_3137510	NC_021161.1	Ca_kabuli_chr02	3137510	TT	CC	1940146563
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SNP_P1_21469_3139284	NC_021161.1	Ca_kabuli_chr02	3139284	GG	AA	1940146565
SNP_P1_21470_3139322	NC_021161.1	Ca_kabuli_chr02	3139322	TT	CC	1940146566
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SNP_P1_21472_3140014	NC_021161.1	Ca_kabuli_chr02	3140014	TT	GG	1940146568
SNP_P1_21473_3142911	NC_021161.1	Ca_kabuli_chr02	3142911	AA	GG	1940146569

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21476_3143625	NC_021161.1	Ca_kabuli_chr02	3143625	CC	TT	1940146572
SNP_P1_21477_3143724	NC_021161.1	Ca_kabuli_chr02	3143724	AA	GG	1940146573
SNP_P1_21478_3144147	NC_021161.1	Ca_kabuli_chr02	3144147	GG	AA	1940146574
SNP_P1_21480_3145147	NC_021161.1	Ca_kabuli_chr02	3145147	AA	GG	1940146575
SNP_P1_21482_3145752	NC_021161.1	Ca_kabuli_chr02	3145752	GG	CC	1940146576
SNP_P1_21483_3146068	NC_021161.1	Ca_kabuli_chr02	3146068	TT	AA	1940146577
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SNP_P1_21485_3146771	NC_021161.1	Ca_kabuli_chr02	3146771	GG	CC	1940146579
SNP_P1_21487_3147488	NC_021161.1	Ca_kabuli_chr02	3147488	GG	AA	1940146580
SNP_P1_21488_3147498	NC_021161.1	Ca_kabuli_chr02	3147498	CC	TT	1940146581
SNP_P1_21489_3147555	NC_021161.1	Ca_kabuli_chr02	3147555	GG	AA	1940146582
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SNP_P1_21492_3147801	NC_021161.1	Ca_kabuli_chr02	3147801	AA	GG	1940146585
SNP_P1_21493_3147838	NC_021161.1	Ca_kabuli_chr02	3147838	AA	GG	1940146586
SNP_P1_21494_3147845	NC_021161.1	Ca_kabuli_chr02	3147845	TT	AA	1940146587
SNP_P1_21495_3147869	NC_021161.1	Ca_kabuli_chr02	3147869	CC	TT	1940146588
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SNP_P1_21497_3147974	NC_021161.1	Ca_kabuli_chr02	3147974	AA	GG	1940146591
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SNP_P1_21500_3149277	NC_021161.1	Ca_kabuli_chr02	3149277	AA	GG	1940146594
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SNP_P1_21507_3154241	NC_021161.1	Ca_kabuli_chr02	3154241	GG	AA	1940146600
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SNP_P1_21511_3156912	NC_021161.1	Ca_kabuli_chr02	3156912	CC	AA	1940146602
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SNP_P1_21514_3158729	NC_021161.1	Ca_kabuli_chr02	3158729	CC	TT	1940146605
SNP_P1_21517_3159623	NC_021161.1	Ca_kabuli_chr02	3159623	CC	TT	1940146606
SNP_P1_21518_3159771	NC_021161.1	Ca_kabuli_chr02	3159771	CC	TT	1940146607
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SNP_P1_21520_3161104	NC_021161.1	Ca_kabuli_chr02	3161104	TT	CC	1940146609
SNP_P1_21521_3161106	NC_021161.1	Ca_kabuli_chr02	3161106	AA	GG	1940146610
SNP_P1_21522_3161178	NC_021161.1	Ca_kabuli_chr02	3161178	AA	TT	1940146611
SNP_P1_21523_3161282	NC_021161.1	Ca_kabuli_chr02	3161282	AA	TT	1940146612

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21528_3164839	NC_021161.1	Ca_kabuli_chr02	3164839	CC	TT	1940146616
SNP_P1_21529_3165033	NC_021161.1	Ca_kabuli_chr02	3165033	CC	GG	1940146617
SNP_P1_21531_3165353	NC_021161.1	Ca_kabuli_chr02	3165353	GG	CC	1940146618
SNP_P1_21532_3165376	NC_021161.1	Ca_kabuli_chr02	3165376	AA	GG	1940146619
SNP_P1_21533_3165377	NC_021161.1	Ca_kabuli_chr02	3165377	TT	CC	1940146620
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SNP_P1_21538_3169649	NC_021161.1	Ca_kabuli_chr02	3169649	AA	GG	1940146624
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SNP_P1_21541_3169803	NC_021161.1	Ca_kabuli_chr02	3169803	GG	AA	1940146626
SNP_P1_21542_3169813	NC_021161.1	Ca_kabuli_chr02	3169813	AA	GG	1940146627
SNP_P1_21543_3169846	NC_021161.1	Ca_kabuli_chr02	3169846	GG	AA	1940146628
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SNP_P1_21546_3169978	NC_021161.1	Ca_kabuli_chr02	3169978	GG	AA	1940146630
SNP_P1_21549_3170478	NC_021161.1	Ca_kabuli_chr02	3170478	CC	TT	1940146631
SNP_P1_21550_3170748	NC_021161.1	Ca_kabuli_chr02	3170748	TT	GG	1940146632
SNP_P1_21551_3170749	NC_021161.1	Ca_kabuli_chr02	3170749	CC	TT	1940146633
SNP_P1_21552_3170790	NC_021161.1	Ca_kabuli_chr02	3170790	AA	GG	1940146634
SNP_P1_21553_3171224	NC_021161.1	Ca_kabuli_chr02	3171224	AA	GG	1940146635
SNP_P1_21554_3171310	NC_021161.1	Ca_kabuli_chr02	3171310	AA	TT	1940146636
SNP_P1_21555_3171311	NC_021161.1	Ca_kabuli_chr02	3171311	TT	CC	1940146637
SNP_P1_21557_3171506	NC_021161.1	Ca_kabuli_chr02	3171506	TT	CC	1940146638
SNP_P1_21558_3172125	NC_021161.1	Ca_kabuli_chr02	3172125	CC	AA	1940146639
SNP_P1_21559_3172432	NC_021161.1	Ca_kabuli_chr02	3172432	TT	CC	1940146640
SNP_P1_21560_3173033	NC_021161.1	Ca_kabuli_chr02	3173033	TT	CC	1940146641
SNP_P1_21561_3173105	NC_021161.1	Ca_kabuli_chr02	3173105	CC	TT	1940146642
SNP_P1_21562_3173362	NC_021161.1	Ca_kabuli_chr02	3173362	GG	AA	1940146643
SNP_P1_21563_3173400	NC_021161.1	Ca_kabuli_chr02	3173400	TT	AA	1940146644
SNP_P1_21564_3173430	NC_021161.1	Ca_kabuli_chr02	3173430	CC	TT	1940146645
SNP_P1_21565_3174113	NC_021161.1	Ca_kabuli_chr02	3174113	AA	GG	1940146646
SNP_P1_21566_3174131	NC_021161.1	Ca_kabuli_chr02	3174131	AA	GG	1940146647
SNP_P1_21567_3174160	NC_021161.1	Ca_kabuli_chr02	3174160	AA	TT	1940146648
SNP_P1_21568_3174264	NC_021161.1	Ca_kabuli_chr02	3174264	AA	GG	1940146649
SNP_P1_21570_3174545	NC_021161.1	Ca_kabuli_chr02	3174545	CC	AA	1940146650
SNP_P1_21571_3175667	NC_021161.1	Ca_kabuli_chr02	3175667	AA	GG	1940146652
SNP_P1_21572_3175693	NC_021161.1	Ca_kabuli_chr02	3175693	GG	AA	1940146653
SNP_P1_21573_3175724	NC_021161.1	Ca_kabuli_chr02	3175724	TT	CC	1940146654
SNP_P1_21574_3175731	NC_021161.1	Ca_kabuli_chr02	3175731	GG	AA	1940146655
SNP_P1_21575_3176036	NC_021161.1	Ca_kabuli_chr02	3176036	AA	CC	1940146656

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21577_3176084	NC_021161.1	Ca_kabuli_chr02	3176084	GG	AA	1940146658
SNP_P1_21578_3176097	NC_021161.1	Ca_kabuli_chr02	3176097	GG	AA	1940146659
SNP_P1_21579_3177386	NC_021161.1	Ca_kabuli_chr02	3177386	AA	GG	1940146660
SNP_P1_21580_3181574	NC_021161.1	Ca_kabuli_chr02	3181574	TT	CC	1940146661
SNP_P1_21581_3182395	NC_021161.1	Ca_kabuli_chr02	3182395	TT	AA	1940146662
SNP_P1_21582_3182415	NC_021161.1	Ca_kabuli_chr02	3182415	AA	CC	1940146663
SNP_P1_21583_3182772	NC_021161.1	Ca_kabuli_chr02	3182772	GG	AA	1940146664
SNP_P1_21584_3183425	NC_021161.1	Ca_kabuli_chr02	3183425	TT	CC	1940146665
SNP_P1_21585_3183432	NC_021161.1	Ca_kabuli_chr02	3183432	TT	CC	1940146666
SNP_P1_21586_3183456	NC_021161.1	Ca_kabuli_chr02	3183456	AA	GG	1940146667
SNP_P1_21587_3183493	NC_021161.1	Ca_kabuli_chr02	3183493	GG	AA	1940146669
SNP_P1_21588_3183500	NC_021161.1	Ca_kabuli_chr02	3183500	GG	AA	1940146670
SNP_P1_21589_3183511	NC_021161.1	Ca_kabuli_chr02	3183511	CC	TT	1940146671
SNP_P1_21590_3183670	NC_021161.1	Ca_kabuli_chr02	3183670	TT	CC	1940146672
SNP_P1_21591_3183689	NC_021161.1	Ca_kabuli_chr02	3183689	TT	AA	1940146673
SNP_P1_21592_3183697	NC_021161.1	Ca_kabuli_chr02	3183697	TT	AA	1940146674
SNP_P1_21593_3183717	NC_021161.1	Ca_kabuli_chr02	3183717	AA	GG	1940146675
SNP_P1_21594_3183776	NC_021161.1	Ca_kabuli_chr02	3183776	CC	AA	1940146676
SNP_P1_21595_3183897	NC_021161.1	Ca_kabuli_chr02	3183897	CC	AA	1940146677
SNP_P1_21596_3183999	NC_021161.1	Ca_kabuli_chr02	3183999	GG	AA	1940146678
SNP_P1_21597_3184022	NC_021161.1	Ca_kabuli_chr02	3184022	TT	AA	1940146679
SNP_P1_21599_3184107	NC_021161.1	Ca_kabuli_chr02	3184107	GG	TT	1940146680
SNP_P1_21600_3184322	NC_021161.1	Ca_kabuli_chr02	3184322	AA	GG	1940146682
SNP_P1_21602_3184428	NC_021161.1	Ca_kabuli_chr02	3184428	GG	AA	1940146683
SNP_P1_21604_3184822	NC_021161.1	Ca_kabuli_chr02	3184822	CC	TT	1940146684
SNP_P1_21605_3185079	NC_021161.1	Ca_kabuli_chr02	3185079	TT	CC	1940146685
SNP_P1_21606_3185205	NC_021161.1	Ca_kabuli_chr02	3185205	AA	CC	1940146686
SNP_P1_21609_3186566	NC_021161.1	Ca_kabuli_chr02	3186566	AA	TT	1940146687
SNP_P1_21610_3186568	NC_021161.1	Ca_kabuli_chr02	3186568	TT	GG	1940146688
SNP_P1_21611_3186572	NC_021161.1	Ca_kabuli_chr02	3186572	AA	TT	1940146689
SNP_P1_21613_3187530	NC_021161.1	Ca_kabuli_chr02	3187530	GG	TT	1940146690
SNP_P1_21614_3187573	NC_021161.1	Ca_kabuli_chr02	3187573	TT	CC	1940146691
SNP_P1_21617_3188243	NC_021161.1	Ca_kabuli_chr02	3188243	TT	AA	1940146692
SNP_P1_21618_3188279	NC_021161.1	Ca_kabuli_chr02	3188279	CC	AA	1940146693
SNP_P1_21620_3188359	NC_021161.1	Ca_kabuli_chr02	3188359	AA	GG	1940146694
SNP_P1_21621_3188366	NC_021161.1	Ca_kabuli_chr02	3188366	CC	AA	1940146695
SNP_P1_21622_3188392	NC_021161.1	Ca_kabuli_chr02	3188392	TT	GG	1940146696
SNP_P1_21623_3188421	NC_021161.1	Ca_kabuli_chr02	3188421	TT	AA	1940146697
SNP_P1_21624_3188459	NC_021161.1	Ca_kabuli_chr02	3188459	GG	TT	1940146698
SNP_P1_21625_3188635	NC_021161.1	Ca_kabuli_chr02	3188635	TT	AA	1940146699
SNP_P1_21626_3188641	NC_021161.1	Ca_kabuli_chr02	3188641	GG	AA	1940146700

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21628_3189023	NC_021161.1	Ca_kabuli_chr02	3189023	TT	GG	1940146702
SNP_P1_21629_3189038	NC_021161.1	Ca_kabuli_chr02	3189038	AA	CC	1940146703
SNP_P1_21630_3189048	NC_021161.1	Ca_kabuli_chr02	3189048	TT	CC	1940146704
SNP_P1_21631_3189343	NC_021161.1	Ca_kabuli_chr02	3189343	TT	GG	1940146705
SNP_P1_21632_3189380	NC_021161.1	Ca_kabuli_chr02	3189380	CC	TT	1940146706
SNP_P1_21633_3189390	NC_021161.1	Ca_kabuli_chr02	3189390	CC	TT	1940146707
SNP_P1_21634_3190537	NC_021161.1	Ca_kabuli_chr02	3190537	GG	AA	1940146708
SNP_P1_21635_3190581	NC_021161.1	Ca_kabuli_chr02	3190581	TT	CC	1940146709
SNP_P1_21636_3190584	NC_021161.1	Ca_kabuli_chr02	3190584	TT	AA	1940146710
SNP_P1_21638_3191569	NC_021161.1	Ca_kabuli_chr02	3191569	TT	CC	1940146711
SNP_P1_21639_3191709	NC_021161.1	Ca_kabuli_chr02	3191709	TT	AA	1940146712
SNP_P1_21640_3191737	NC_021161.1	Ca_kabuli_chr02	3191737	CC	GG	1940146714
SNP_P1_21641_3192104	NC_021161.1	Ca_kabuli_chr02	3192104	CC	AA	1940146715
SNP_P1_21642_3192485	NC_021161.1	Ca_kabuli_chr02	3192485	CC	TT	1940146716
SNP_P1_21643_3193888	NC_021161.1	Ca_kabuli_chr02	3193888	AA	GG	1940146717
SNP_P1_21645_3197834	NC_021161.1	Ca_kabuli_chr02	3197834	CC	TT	1940146718
SNP_P1_21648_3200248	NC_021161.1	Ca_kabuli_chr02	3200248	CC	AA	1940146719
SNP_P1_21650_3200309	NC_021161.1	Ca_kabuli_chr02	3200309	CC	TT	1940146720
SNP_P1_21651_3200332	NC_021161.1	Ca_kabuli_chr02	3200332	CC	TT	1940146721
SNP_P1_21652_3200351	NC_021161.1	Ca_kabuli_chr02	3200351	TT	AA	1940146722
SNP_P1_21653_3200359	NC_021161.1	Ca_kabuli_chr02	3200359	AA	GG	1940146723
SNP_P1_21658_3201015	NC_021161.1	Ca_kabuli_chr02	3201015	GG	AA	1940146724
SNP_P1_21660_3201063	NC_021161.1	Ca_kabuli_chr02	3201063	CC	TT	1940146725
SNP_P1_21661_3201064	NC_021161.1	Ca_kabuli_chr02	3201064	TT	AA	1940146726
SNP_P1_21662_3201075	NC_021161.1	Ca_kabuli_chr02	3201075	AA	CC	1940146727
SNP_P1_21663_3201089	NC_021161.1	Ca_kabuli_chr02	3201089	GG	AA	1940146728
SNP_P1_21664_3201396	NC_021161.1	Ca_kabuli_chr02	3201396	TT	CC	1940146729
SNP_P1_21665_3202075	NC_021161.1	Ca_kabuli_chr02	3202075	AA	TT	1940146730
SNP_P1_21667_3203078	NC_021161.1	Ca_kabuli_chr02	3203078	AA	TT	1940146731
SNP_P1_21668_3203643	NC_021161.1	Ca_kabuli_chr02	3203643	CC	AA	1940146732
SNP_P1_21669_3203697	NC_021161.1	Ca_kabuli_chr02	3203697	AA	GG	1940146733
SNP_P1_21670_3203700	NC_021161.1	Ca_kabuli_chr02	3203700	TT	CC	1940146734
SNP_P1_21671_3204099	NC_021161.1	Ca_kabuli_chr02	3204099	GG	AA	1940146735
SNP_P1_21672_3204247	NC_021161.1	Ca_kabuli_chr02	3204247	TT	GG	1940146736
SNP_P1_21673_3204252	NC_021161.1	Ca_kabuli_chr02	3204252	GG	CC	1940146737
SNP_P1_21674_3204278	NC_021161.1	Ca_kabuli_chr02	3204278	GG	CC	1940146739
SNP_P1_21675_3204280	NC_021161.1	Ca_kabuli_chr02	3204280	GG	AA	1940146740
SNP_P1_21676_3204281	NC_021161.1	Ca_kabuli_chr02	3204281	TT	AA	1940146741
SNP_P1_21677_3204422	NC_021161.1	Ca_kabuli_chr02	3204422	AA	TT	1940146742
SNP_P1_21678_3204461	NC_021161.1	Ca_kabuli_chr02	3204461	GG	CC	1940146743
SNP_P1_21679_3204494	NC_021161.1	Ca_kabuli_chr02	3204494	GG	TT	1940146744

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21683_3205222	NC_021161.1	Ca_kabuli_chr02	3205222	TT	CC	1940146746
SNP_P1_21685_3205817	NC_021161.1	Ca_kabuli_chr02	3205817	GG	CC	1940146747
SNP_P1_21686_3205826	NC_021161.1	Ca_kabuli_chr02	3205826	TT	CC	1940146748
SNP_P1_21688_3205896	NC_021161.1	Ca_kabuli_chr02	3205896	CC	TT	1940146749
SNP_P1_21689_3205988	NC_021161.1	Ca_kabuli_chr02	3205988	CC	TT	1940146750
SNP_P1_21690_3206127	NC_021161.1	Ca_kabuli_chr02	3206127	TT	CC	1940146751
SNP_P1_21691_3206456	NC_021161.1	Ca_kabuli_chr02	3206456	TT	AA	1940146752
SNP_P1_21692_3206482	NC_021161.1	Ca_kabuli_chr02	3206482	TT	AA	1940146753
SNP_P1_21693_3206739	NC_021161.1	Ca_kabuli_chr02	3206739	CC	AA	1940146754
SNP_P1_21694_3206744	NC_021161.1	Ca_kabuli_chr02	3206744	GG	CC	1940146755
SNP_P1_21695_3206785	NC_021161.1	Ca_kabuli_chr02	3206785	AA	GG	1940146756
SNP_P1_21696_3207010	NC_021161.1	Ca_kabuli_chr02	3207010	AA	GG	1940146757
SNP_P1_21697_3214421	NC_021161.1	Ca_kabuli_chr02	3214421	AA	TT	1940146758
SNP_P1_21698_3216979	NC_021161.1	Ca_kabuli_chr02	3216979	TT	GG	1940146759
SNP_P1_21699_3220986	NC_021161.1	Ca_kabuli_chr02	3220986	AA	TT	1940146760
SNP_P1_21701_3229240	NC_021161.1	Ca_kabuli_chr02	3229240	AA	CC	1940146761
SNP_P1_21702_3238542	NC_021161.1	Ca_kabuli_chr02	3238542	TT	CC	1940146762
SNP_P1_21703_3243096	NC_021161.1	Ca_kabuli_chr02	3243096	TT	CC	1940146763
SNP_P1_21704_3243213	NC_021161.1	Ca_kabuli_chr02	3243213	TT	AA	1940146764
SNP_P1_21706_3251601	NC_021161.1	Ca_kabuli_chr02	3251601	GG	AA	1940146765
SNP_P1_21707_3282014	NC_021161.1	Ca_kabuli_chr02	3282014	GG	AA	1940146766
SNP_P1_21709_3295581	NC_021161.1	Ca_kabuli_chr02	3295581	AA	GG	1940146767
SNP_P1_21710_3312329	NC_021161.1	Ca_kabuli_chr02	3312329	AA	GG	1940146768
SNP_P1_21711_3312376	NC_021161.1	Ca_kabuli_chr02	3312376	AA	TT	1940146769
SNP_P1_21712_3312380	NC_021161.1	Ca_kabuli_chr02	3312380	TT	GG	1940146770
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SNP_P1_21714_3321633	NC_021161.1	Ca_kabuli_chr02	3321633	TT	CC	1940146773
SNP_P1_21716_3321731	NC_021161.1	Ca_kabuli_chr02	3321731	TT	CC	1940146774
SNP_P1_21717_3321988	NC_021161.1	Ca_kabuli_chr02	3321988	GG	AA	1940146775
SNP_P1_21718_3322006	NC_021161.1	Ca_kabuli_chr02	3322006	CC	TT	1940146776
SNP_P1_21720_3348324	NC_021161.1	Ca_kabuli_chr02	3348324	CC	TT	1940146777
SNP_P1_21721_3387908	NC_021161.1	Ca_kabuli_chr02	3387908	GG	CC	1940146778
SNP_P1_21722_3397683	NC_021161.1	Ca_kabuli_chr02	3397683	CC	TT	1940146779
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SNP_P1_21725_3403860	NC_021161.1	Ca_kabuli_chr02	3403860	CC	TT	1940146781
SNP_P1_21726_3404047	NC_021161.1	Ca_kabuli_chr02	3404047	GG	AA	1940146782
SNP_P1_21728_3410240	NC_021161.1	Ca_kabuli_chr02	3410240	GG	AA	1940146783
SNP_P1_21729_3411351	NC_021161.1	Ca_kabuli_chr02	3411351	TT	CC	1940146784
SNP_P1_21730_3412438	NC_021161.1	Ca_kabuli_chr02	3412438	AA	TT	1940146785
SNP_P1_21733_3461586	NC_021161.1	Ca_kabuli_chr02	3461586	AA	GG	1940146786
SNP_P1_21734_3461592	NC_021161.1	Ca_kabuli_chr02	3461592	CC	GG	1940146787

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21737_3464758	NC_021161.1	Ca_kabuli_chr02	3464758	TT	CC	1940146790
SNP_P1_21738_3464830	NC_021161.1	Ca_kabuli_chr02	3464830	GG	AA	1940146791
SNP_P1_21739_3465184	NC_021161.1	Ca_kabuli_chr02	3465184	TT	CC	1940146792
SNP_P1_21740_3465368	NC_021161.1	Ca_kabuli_chr02	3465368	TT	CC	1940146793
SNP_P1_21741_3465370	NC_021161.1	Ca_kabuli_chr02	3465370	CC	TT	1940146794
SNP_P1_21742_3465379	NC_021161.1	Ca_kabuli_chr02	3465379	GG	AA	1940146795
SNP_P1_21743_3465395	NC_021161.1	Ca_kabuli_chr02	3465395	CC	AA	1940146796
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SNP_P1_21745_3493229	NC_021161.1	Ca_kabuli_chr02	3493229	CC	AA	1940146798
SNP_P1_21747_3530375	NC_021161.1	Ca_kabuli_chr02	3530375	AA	GG	1940146799
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SNP_P1_21754_3577111	NC_021161.1	Ca_kabuli_chr02	3577111	GG	AA	1940146804
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SNP_P1_21757_3618895	NC_021161.1	Ca_kabuli_chr02	3618895	AA	GG	1940146807
SNP_P1_21759_3667385	NC_021161.1	Ca_kabuli_chr02	3667385	AA	TT	1940146808
SNP_P1_21760_3678625	NC_021161.1	Ca_kabuli_chr02	3678625	GG	AA	1940146809
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SNP_P1_21762_3704030	NC_021161.1	Ca_kabuli_chr02	3704030	AA	TT	1940146811
SNP_P1_21763_3704159	NC_021161.1	Ca_kabuli_chr02	3704159	GG	AA	1940146812
SNP_P1_21765_3704522	NC_021161.1	Ca_kabuli_chr02	3704522	GG	CC	1940146813
SNP_P1_21766_3704649	NC_021161.1	Ca_kabuli_chr02	3704649	GG	AA	1940146814
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SNP_P1_21768_3704704	NC_021161.1	Ca_kabuli_chr02	3704704	AA	GG	1940146816
SNP_P1_21769_3705840	NC_021161.1	Ca_kabuli_chr02	3705840	CC	AA	1940146817
SNP_P1_21770_3706508	NC_021161.1	Ca_kabuli_chr02	3706508	CC	TT	1940146818
SNP_P1_21771_3707245	NC_021161.1	Ca_kabuli_chr02	3707245	TT	GG	1940146819
SNP_P1_21772_3707733	NC_021161.1	Ca_kabuli_chr02	3707733	GG	AA	1940146820
SNP_P1_21773_3709323	NC_021161.1	Ca_kabuli_chr02	3709323	TT	GG	1940146821
SNP_P1_21774_3709328	NC_021161.1	Ca_kabuli_chr02	3709328	TT	CC	1940146822
SNP_P1_21775_3709435	NC_021161.1	Ca_kabuli_chr02	3709435	GG	AA	1940146823
SNP_P1_21776_3709472	NC_021161.1	Ca_kabuli_chr02	3709472	TT	CC	1940146824
SNP_P1_21777_3709479	NC_021161.1	Ca_kabuli_chr02	3709479	CC	TT	1940146825
SNP_P1_21778_3709480	NC_021161.1	Ca_kabuli_chr02	3709480	GG	CC	1940146826
SNP_P1_21779_3709486	NC_021161.1	Ca_kabuli_chr02	3709486	AA	GG	1940146827
SNP_P1_21780_3710391	NC_021161.1	Ca_kabuli_chr02	3710391	TT	AA	1940146828
SNP_P1_21781_3710534	NC_021161.1	Ca_kabuli_chr02	3710534	CC	TT	1940146829
SNP_P1_21782_3710568	NC_021161.1	Ca_kabuli_chr02	3710568	TT	CC	1940146830

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_21783_3710706	NC_021161.1	Ca_kabuli_chr02	3710706	CC	TT	1940146831
SNP_P1_21784_3710711	NC_021161.1	Ca_kabuli_chr02	3710711	AA	GG	1940146832
SNP_P1_21785_3710785	NC_021161.1	Ca_kabuli_chr02	3710785	CC	GG	1940146833
SNP_P1_21786_3711293	NC_021161.1	Ca_kabuli_chr02	3711293	AA	CC	1940146834
SNP_P1_21787_3711410	NC_021161.1	Ca_kabuli_chr02	3711410	TT	CC	1940146836
SNP_P1_21788_3712645	NC_021161.1	Ca_kabuli_chr02	3712645	GG	AA	1940146837
SNP_P1_21789_3713037	NC_021161.1	Ca_kabuli_chr02	3713037	CC	GG	1940146838
SNP_P1_21790_3713720	NC_021161.1	Ca_kabuli_chr02	3713720	CC	TT	1940146839
SNP_P1_21791_3713924	NC_021161.1	Ca_kabuli_chr02	3713924	GG	AA	1940146840
SNP_P1_21792_3713973	NC_021161.1	Ca_kabuli_chr02	3713973	GG	AA	1940146841
SNP_P1_21793_3713998	NC_021161.1	Ca_kabuli_chr02	3713998	AA	GG	1940146842
SNP_P1_21794_3714035	NC_021161.1	Ca_kabuli_chr02	3714035	AA	GG	1940146843
SNP_P1_21795_3714059	NC_021161.1	Ca_kabuli_chr02	3714059	CC	GG	1940146844
SNP_P1_21796_3714061	NC_021161.1	Ca_kabuli_chr02	3714061	GG	AA	1940146845
SNP_P1_21797_3714070	NC_021161.1	Ca_kabuli_chr02	3714070	TT	CC	1940146846
SNP_P1_21798_3714337	NC_021161.1	Ca_kabuli_chr02	3714337	GG	AA	1940146847
SNP_P1_21799_3714358	NC_021161.1	Ca_kabuli_chr02	3714358	CC	TT	1940146848
SNP_P1_21800_3715727	NC_021161.1	Ca_kabuli_chr02	3715727	AA	TT	1940146849
SNP_P1_21801_3715770	NC_021161.1	Ca_kabuli_chr02	3715770	TT	AA	1940146850
SNP_P1_21802_3716005	NC_021161.1	Ca_kabuli_chr02	3716005	GG	AA	1940146851
SNP_P1_21803_3716035	NC_021161.1	Ca_kabuli_chr02	3716035	AA	GG	1940146852
SNP_P1_21804_3718775	NC_021161.1	Ca_kabuli_chr02	3718775	AA	CC	1940146853
SNP_P1_21805_3720841	NC_021161.1	Ca_kabuli_chr02	3720841	AA	GG	1940146854
SNP_P1_21806_3721879	NC_021161.1	Ca_kabuli_chr02	3721879	AA	GG	1940146855
SNP_P1_21807_3722162	NC_021161.1	Ca_kabuli_chr02	3722162	AA	TT	1940146856
SNP_P1_21808_3722214	NC_021161.1	Ca_kabuli_chr02	3722214	AA	CC	1940146857
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SNP_P1_21810_3722223	NC_021161.1	Ca_kabuli_chr02	3722223	GG	CC	1940146859
SNP_P1_21811_3722838	NC_021161.1	Ca_kabuli_chr02	3722838	GG	TT	1940146860
SNP_P1_21812_3723197	NC_021161.1	Ca_kabuli_chr02	3723197	GG	AA	1940146861
SNP_P1_21814_3723405	NC_021161.1	Ca_kabuli_chr02	3723405	AA	GG	1940146862
SNP_P1_21817_3724401	NC_021161.1	Ca_kabuli_chr02	3724401	GG	CC	1940146863
SNP_P1_21818_3724462	NC_021161.1	Ca_kabuli_chr02	3724462	GG	AA	1940146864
SNP_P1_21820_3730856	NC_021161.1	Ca_kabuli_chr02	3730856	TT	CC	1940146865
SNP_P1_21821_3730881	NC_021161.1	Ca_kabuli_chr02	3730881	GG	AA	1940146867
SNP_P1_21822_3731097	NC_021161.1	Ca_kabuli_chr02	3731097	TT	GG	1940146868
SNP_P1_21823_3731134	NC_021161.1	Ca_kabuli_chr02	3731134	GG	TT	1940146869
SNP_P1_21824_3731516	NC_021161.1	Ca_kabuli_chr02	3731516	AA	GG	1940146870
SNP_P1_21825_3731560	NC_021161.1	Ca_kabuli_chr02	3731560	AA	TT	1940146871
SNP_P1_21826_3731631	NC_021161.1	Ca_kabuli_chr02	3731631	TT	CC	1940146872
SNP_P1_21827_3731635	NC_021161.1	Ca_kabuli_chr02	3731635	AA	CC	1940146873
SNP_P1_21828_3731677	NC_021161.1	Ca_kabuli_chr02	3731677	AA	GG	1940146874

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_21829_3731703	NC_021161.1	Ca_kabuli_chr02	3731703	TT	CC	1940146875
SNP_P1_21830_3731997	NC_021161.1	Ca_kabuli_chr02	3731997	TT	AA	1940146876
SNP_P1_21831_3732353	NC_021161.1	Ca_kabuli_chr02	3732353	TT	CC	1940146877
SNP_P1_21832_3732386	NC_021161.1	Ca_kabuli_chr02	3732386	AA	CC	1940146878
SNP_P1_21833_3732407	NC_021161.1	Ca_kabuli_chr02	3732407	TT	CC	1940146879
SNP_P1_21834_3732411	NC_021161.1	Ca_kabuli_chr02	3732411	AA	GG	1940146880
SNP_P1_21835_3732413	NC_021161.1	Ca_kabuli_chr02	3732413	AA	GG	1940146881
SNP_P1_21837_3732662	NC_021161.1	Ca_kabuli_chr02	3732662	AA	GG	1940146882
SNP_P1_21838_3732947	NC_021161.1	Ca_kabuli_chr02	3732947	GG	AA	1940146883
SNP_P1_21840_3733280	NC_021161.1	Ca_kabuli_chr02	3733280	GG	AA	1940146884
SNP_P1_21841_3733288	NC_021161.1	Ca_kabuli_chr02	3733288	AA	TT	1940146885
SNP_P1_21842_3733560	NC_021161.1	Ca_kabuli_chr02	3733560	TT	CC	1940146886
SNP_P1_21843_3737197	NC_021161.1	Ca_kabuli_chr02	3737197	CC	AA	1940146887
SNP_P1_21844_3737231	NC_021161.1	Ca_kabuli_chr02	3737231	TT	CC	1940146889
SNP_P1_21845_3737233	NC_021161.1	Ca_kabuli_chr02	3737233	GG	TT	1940146890
SNP_P1_21846_3738668	NC_021161.1	Ca_kabuli_chr02	3738668	GG	AA	1940146891
SNP_P1_21847_3739312	NC_021161.1	Ca_kabuli_chr02	3739312	CC	TT	1940146892
SNP_P1_21848_3739326	NC_021161.1	Ca_kabuli_chr02	3739326	AA	TT	1940146893
SNP_P1_21849_3739329	NC_021161.1	Ca_kabuli_chr02	3739329	CC	GG	1940146894
SNP_P1_21850_3739346	NC_021161.1	Ca_kabuli_chr02	3739346	TT	CC	1940146895
SNP_P1_21851_3739381	NC_021161.1	Ca_kabuli_chr02	3739381	CC	AA	1940146896
SNP_P1_21852_3739399	NC_021161.1	Ca_kabuli_chr02	3739399	CC	TT	1940146897
SNP_P1_21853_3739407	NC_021161.1	Ca_kabuli_chr02	3739407	AA	CC	1940146898
SNP_P1_21854_3739947	NC_021161.1	Ca_kabuli_chr02	3739947	CC	AA	1940146899
SNP_P1_21855_3740159	NC_021161.1	Ca_kabuli_chr02	3740159	GG	CC	1940146900
SNP_P1_21856_3740208	NC_021161.1	Ca_kabuli_chr02	3740208	AA	GG	1940146901
SNP_P1_21857_3740226	NC_021161.1	Ca_kabuli_chr02	3740226	GG	AA	1940146902
SNP_P1_21859_3740566	NC_021161.1	Ca_kabuli_chr02	3740566	AA	GG	1940146903
SNP_P1_21861_3740931	NC_021161.1	Ca_kabuli_chr02	3740931	GG	AA	1940146904
SNP_P1_21862_3741166	NC_021161.1	Ca_kabuli_chr02	3741166	TT	AA	1940146906
SNP_P1_21864_3741996	NC_021161.1	Ca_kabuli_chr02	3741996	AA	GG	1940146907
SNP_P1_21865_3742027	NC_021161.1	Ca_kabuli_chr02	3742027	TT	CC	1940146908
SNP_P1_21866_3742034	NC_021161.1	Ca_kabuli_chr02	3742034	AA	GG	1940146909
SNP_P1_21867_3742203	NC_021161.1	Ca_kabuli_chr02	3742203	GG	AA	1940146910
SNP_P1_21868_3742310	NC_021161.1	Ca_kabuli_chr02	3742310	TT	GG	1940146911
SNP_P1_21870_3742433	NC_021161.1	Ca_kabuli_chr02	3742433	TT	CC	1940146912
SNP_P1_21871_3742492	NC_021161.1	Ca_kabuli_chr02	3742492	CC	TT	1940146913
SNP_P1_21872_3742530	NC_021161.1	Ca_kabuli_chr02	3742530	CC	AA	1940146914
SNP_P1_21873_3742537	NC_021161.1	Ca_kabuli_chr02	3742537	AA	CC	1940146915
SNP_P1_21875_3743148	NC_021161.1	Ca_kabuli_chr02	3743148	CC	AA	1940146916
SNP_P1_21876_3743188	NC_021161.1	Ca_kabuli_chr02	3743188	TT	AA	1940146917
SNP_P1_21877_3743313	NC_021161.1	Ca_kabuli_chr02	3743313	GG	TT	1940146918

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21879_3743510	NC_021161.1	Ca_kabuli_chr02	3743510	TT	CC	1940146920
SNP_P1_21880_3743626	NC_021161.1	Ca_kabuli_chr02	3743626	AA	CC	1940146921
SNP_P1_21882_3743810	NC_021161.1	Ca_kabuli_chr02	3743810	GG	CC	1940146922
SNP_P1_21884_3744075	NC_021161.1	Ca_kabuli_chr02	3744075	TT	AA	1940146923
SNP_P1_21885_3744414	NC_021161.1	Ca_kabuli_chr02	3744414	TT	CC	1940146924
SNP_P1_21886_3744443	NC_021161.1	Ca_kabuli_chr02	3744443	CC	TT	1940146925
SNP_P1_21887_3745135	NC_021161.1	Ca_kabuli_chr02	3745135	AA	TT	1940146926
SNP_P1_21889_3746221	NC_021161.1	Ca_kabuli_chr02	3746221	TT	GG	1940146927
SNP_P1_21890_3746430	NC_021161.1	Ca_kabuli_chr02	3746430	TT	CC	1940146928
SNP_P1_21892_3746515	NC_021161.1	Ca_kabuli_chr02	3746515	AA	GG	1940146929
SNP_P1_21894_3746783	NC_021161.1	Ca_kabuli_chr02	3746783	AA	TT	1940146930
SNP_P1_21895_3746960	NC_021161.1	Ca_kabuli_chr02	3746960	CC	TT	1940146932
SNP_P1_21896_3746969	NC_021161.1	Ca_kabuli_chr02	3746969	GG	AA	1940146933
SNP_P1_21897_3746972	NC_021161.1	Ca_kabuli_chr02	3746972	CC	TT	1940146934
SNP_P1_21898_3747000	NC_021161.1	Ca_kabuli_chr02	3747000	TT	CC	1940146935
SNP_P1_21899_3747003	NC_021161.1	Ca_kabuli_chr02	3747003	TT	CC	1940146936
SNP_P1_21900_3747014	NC_021161.1	Ca_kabuli_chr02	3747014	TT	AA	1940146937
SNP_P1_21901_3747295	NC_021161.1	Ca_kabuli_chr02	3747295	GG	TT	1940146938
SNP_P1_21902_3747352	NC_021161.1	Ca_kabuli_chr02	3747352	AA	GG	1940146939
SNP_P1_21903_3751170	NC_021161.1	Ca_kabuli_chr02	3751170	TT	CC	1940146940
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SNP_P1_21906_3751251	NC_021161.1	Ca_kabuli_chr02	3751251	AA	GG	1940146943
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SNP_P1_21908_3751531	NC_021161.1	Ca_kabuli_chr02	3751531	AA	CC	1940146945
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SNP_P1_21911_3753020	NC_021161.1	Ca_kabuli_chr02	3753020	TT	AA	1940146947
SNP_P1_21912_3753317	NC_021161.1	Ca_kabuli_chr02	3753317	TT	AA	1940146948
SNP_P1_21914_3755011	NC_021161.1	Ca_kabuli_chr02	3755011	GG	AA	1940146949
SNP_P1_21915_3755538	NC_021161.1	Ca_kabuli_chr02	3755538	AA	CC	1940146950
SNP_P1_21916_3755857	NC_021161.1	Ca_kabuli_chr02	3755857	GG	AA	1940146951
SNP_P1_21917_3755917	NC_021161.1	Ca_kabuli_chr02	3755917	CC	TT	1940146952
SNP_P1_21918_3755929	NC_021161.1	Ca_kabuli_chr02	3755929	CC	TT	1940146953
SNP_P1_21919_3755939	NC_021161.1	Ca_kabuli_chr02	3755939	AA	GG	1940146954
SNP_P1_21920_3757273	NC_021161.1	Ca_kabuli_chr02	3757273	TT	GG	1940146955
SNP_P1_21921_3757676	NC_021161.1	Ca_kabuli_chr02	3757676	CC	AA	1940146956
SNP_P1_21922_3758805	NC_021161.1	Ca_kabuli_chr02	3758805	TT	AA	1940146957
SNP_P1_21923_3759449	NC_021161.1	Ca_kabuli_chr02	3759449	TT	AA	1940146959
SNP_P1_21924_3759776	NC_021161.1	Ca_kabuli_chr02	3759776	AA	GG	1940146960
SNP_P1_21925_3760435	NC_021161.1	Ca_kabuli_chr02	3760435	TT	AA	1940146961
SNP_P1_21926_3760771	NC_021161.1	Ca_kabuli_chr02	3760771	GG	TT	1940146962

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21929_3761723	NC_021161.1	Ca_kabuli_chr02	3761723	TT	AA	1940146964
SNP_P1_21930_3761948	NC_021161.1	Ca_kabuli_chr02	3761948	CC	AA	1940146965
SNP_P1_21931_3762991	NC_021161.1	Ca_kabuli_chr02	3762991	GG	AA	1940146966
SNP_P1_21932_3764253	NC_021161.1	Ca_kabuli_chr02	3764253	AA	TT	1940146967
SNP_P1_21933_3764634	NC_021161.1	Ca_kabuli_chr02	3764634	AA	GG	1940146968
SNP_P1_21934_3764641	NC_021161.1	Ca_kabuli_chr02	3764641	TT	CC	1940146969
SNP_P1_21935_3764975	NC_021161.1	Ca_kabuli_chr02	3764975	CC	TT	1940146970
SNP_P1_21936_3764990	NC_021161.1	Ca_kabuli_chr02	3764990	AA	GG	1940146971
SNP_P1_21937_3764992	NC_021161.1	Ca_kabuli_chr02	3764992	GG	TT	1940146972
SNP_P1_21938_3765201	NC_021161.1	Ca_kabuli_chr02	3765201	GG	AA	1940146973
SNP_P1_21939_3765211	NC_021161.1	Ca_kabuli_chr02	3765211	CC	TT	1940146974
SNP_P1_21940_3765221	NC_021161.1	Ca_kabuli_chr02	3765221	GG	TT	1940146975
SNP_P1_21941_3765238	NC_021161.1	Ca_kabuli_chr02	3765238	GG	AA	1940146976
SNP_P1_21942_3765260	NC_021161.1	Ca_kabuli_chr02	3765260	TT	CC	1940146977
SNP_P1_21943_3766271	NC_021161.1	Ca_kabuli_chr02	3766271	GG	AA	1940146978
SNP_P1_21944_3766359	NC_021161.1	Ca_kabuli_chr02	3766359	TT	AA	1940146979
SNP_P1_21947_3767073	NC_021161.1	Ca_kabuli_chr02	3767073	GG	AA	1940146980
SNP_P1_21949_3768037	NC_021161.1	Ca_kabuli_chr02	3768037	TT	AA	1940146981
SNP_P1_21950_3768118	NC_021161.1	Ca_kabuli_chr02	3768118	CC	TT	1940146982
SNP_P1_21952_3768176	NC_021161.1	Ca_kabuli_chr02	3768176	AA	GG	1940146983
SNP_P1_21953_3768314	NC_021161.1	Ca_kabuli_chr02	3768314	CC	TT	1940146984
SNP_P1_21954_3768654	NC_021161.1	Ca_kabuli_chr02	3768654	TT	AA	1940146985
SNP_P1_21955_3768772	NC_021161.1	Ca_kabuli_chr02	3768772	TT	AA	1940146986
SNP_P1_21956_3768775	NC_021161.1	Ca_kabuli_chr02	3768775	GG	AA	1940146987
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SNP_P1_21958_3769397	NC_021161.1	Ca_kabuli_chr02	3769397	CC	AA	1940146989
SNP_P1_21960_3769874	NC_021161.1	Ca_kabuli_chr02	3769874	CC	GG	1940146990
SNP_P1_21961_3769882	NC_021161.1	Ca_kabuli_chr02	3769882	AA	GG	1940146992
SNP_P1_21962_3769894	NC_021161.1	Ca_kabuli_chr02	3769894	GG	AA	1940146993
SNP_P1_21963_3769898	NC_021161.1	Ca_kabuli_chr02	3769898	TT	CC	1940146994
SNP_P1_21964_3770009	NC_021161.1	Ca_kabuli_chr02	3770009	GG	AA	1940146995
SNP_P1_21965_3770036	NC_021161.1	Ca_kabuli_chr02	3770036	AA	TT	1940146996
SNP_P1_21966_3771280	NC_021161.1	Ca_kabuli_chr02	3771280	CC	TT	1940146997
SNP_P1_21969_3771455	NC_021161.1	Ca_kabuli_chr02	3771455	TT	GG	1940146998
SNP_P1_21970_3771456	NC_021161.1	Ca_kabuli_chr02	3771456	GG	AA	1940146999
SNP_P1_21972_3774572	NC_021161.1	Ca_kabuli_chr02	3774572	TT	AA	1940147000
SNP_P1_21973_3775746	NC_021161.1	Ca_kabuli_chr02	3775746	AA	TT	1940147001
SNP_P1_21974_3775842	NC_021161.1	Ca_kabuli_chr02	3775842	TT	CC	1940147002
SNP_P1_21975_3776159	NC_021161.1	Ca_kabuli_chr02	3776159	TT	CC	1940147003
SNP_P1_21976_3777364	NC_021161.1	Ca_kabuli_chr02	3777364	CC	GG	1940147004
SNP_P1_21978_3779718	NC_021161.1	Ca_kabuli_chr02	3779718	AA	GG	1940147005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_21981_3779877	NC_021161.1	Ca_kabuli_chr02	3779877	TT	AA	1940147008
SNP_P1_21982_3779878	NC_021161.1	Ca_kabuli_chr02	3779878	TT	CC	1940147009
SNP_P1_21983_3780055	NC_021161.1	Ca_kabuli_chr02	3780055	CC	TT	1940147010
SNP_P1_21984_3781851	NC_021161.1	Ca_kabuli_chr02	3781851	GG	AA	1940147011
SNP_P1_21985_3781881	NC_021161.1	Ca_kabuli_chr02	3781881	AA	GG	1940147012
SNP_P1_21986_3781900	NC_021161.1	Ca_kabuli_chr02	3781900	AA	CC	1940147013
SNP_P1_21987_3781933	NC_021161.1	Ca_kabuli_chr02	3781933	AA	GG	1940147014
SNP_P1_21988_3782227	NC_021161.1	Ca_kabuli_chr02	3782227	TT	CC	1940147015
SNP_P1_21989_3782235	NC_021161.1	Ca_kabuli_chr02	3782235	AA	GG	1940147016
SNP_P1_21991_3783183	NC_021161.1	Ca_kabuli_chr02	3783183	AA	TT	1940147017
SNP_P1_21992_3783193	NC_021161.1	Ca_kabuli_chr02	3783193	GG	TT	1940147018
SNP_P1_21993_3783654	NC_021161.1	Ca_kabuli_chr02	3783654	AA	TT	1940147019
SNP_P1_21994_3784629	NC_021161.1	Ca_kabuli_chr02	3784629	AA	GG	1940147020
SNP_P1_21995_3784857	NC_021161.1	Ca_kabuli_chr02	3784857	TT	AA	1940147021
SNP_P1_21996_3784954	NC_021161.1	Ca_kabuli_chr02	3784954	TT	AA	1940147022
SNP_P1_21997_3786217	NC_021161.1	Ca_kabuli_chr02	3786217	GG	CC	1940147023
SNP_P1_21998_3786243	NC_021161.1	Ca_kabuli_chr02	3786243	GG	TT	1940147024
SNP_P1_21999_3787010	NC_021161.1	Ca_kabuli_chr02	3787010	GG	AA	1940147025
SNP_P1_22000_3787011	NC_021161.1	Ca_kabuli_chr02	3787011	CC	TT	1940147026
SNP_P1_22001_3787185	NC_021161.1	Ca_kabuli_chr02	3787185	TT	GG	1940147028
SNP_P1_22002_3787189	NC_021161.1	Ca_kabuli_chr02	3787189	CC	TT	1940147029
SNP_P1_22005_3787828	NC_021161.1	Ca_kabuli_chr02	3787828	CC	TT	1940147030
SNP_P1_22006_3788087	NC_021161.1	Ca_kabuli_chr02	3788087	AA	TT	1940147031
SNP_P1_22007_3790011	NC_021161.1	Ca_kabuli_chr02	3790011	GG	AA	1940147032
SNP_P1_22008_3790054	NC_021161.1	Ca_kabuli_chr02	3790054	CC	TT	1940147033
SNP_P1_22009_3790055	NC_021161.1	Ca_kabuli_chr02	3790055	TT	CC	1940147034
SNP_P1_22010_3790064	NC_021161.1	Ca_kabuli_chr02	3790064	CC	TT	1940147035
SNP_P1_22011_3790350	NC_021161.1	Ca_kabuli_chr02	3790350	CC	TT	1940147036
SNP_P1_22012_3790658	NC_021161.1	Ca_kabuli_chr02	3790658	TT	CC	1940147037
SNP_P1_22013_3790724	NC_021161.1	Ca_kabuli_chr02	3790724	CC	TT	1940147038
SNP_P1_22014_3790751	NC_021161.1	Ca_kabuli_chr02	3790751	TT	AA	1940147039
SNP_P1_22015_3791846	NC_021161.1	Ca_kabuli_chr02	3791846	GG	AA	1940147040
SNP_P1_22016_3792522	NC_021161.1	Ca_kabuli_chr02	3792522	TT	CC	1940147041
SNP_P1_22017_3792552	NC_021161.1	Ca_kabuli_chr02	3792552	TT	AA	1940147042
SNP_P1_22018_3793609	NC_021161.1	Ca_kabuli_chr02	3793609	TT	AA	1940147043
SNP_P1_22019_3793759	NC_021161.1	Ca_kabuli_chr02	3793759	AA	TT	1940147044
SNP_P1_22020_3793773	NC_021161.1	Ca_kabuli_chr02	3793773	AA	GG	1940147045
SNP_P1_22021_3794046	NC_021161.1	Ca_kabuli_chr02	3794046	CC	AA	1940147046
SNP_P1_22022_3794060	NC_021161.1	Ca_kabuli_chr02	3794060	GG	AA	1940147047
SNP_P1_22023_3794204	NC_021161.1	Ca_kabuli_chr02	3794204	GG	AA	1940147048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22025_3794310	NC_021161.1	Ca_kabuli_chr02	3794310	CC	GG	1940147050
SNP_P1_22026_3794341	NC_021161.1	Ca_kabuli_chr02	3794341	CC	TT	1940147051
SNP_P1_22027_3794373	NC_021161.1	Ca_kabuli_chr02	3794373	CC	AA	1940147052
SNP_P1_22028_3795594	NC_021161.1	Ca_kabuli_chr02	3795594	AA	CC	1940147053
SNP_P1_22029_3795595	NC_021161.1	Ca_kabuli_chr02	3795595	TT	AA	1940147054
SNP_P1_22030_3795688	NC_021161.1	Ca_kabuli_chr02	3795688	AA	CC	1940147055
SNP_P1_22031_3795689	NC_021161.1	Ca_kabuli_chr02	3795689	CC	GG	1940147056
SNP_P1_22032_3795698	NC_021161.1	Ca_kabuli_chr02	3795698	GG	AA	1940147057
SNP_P1_22033_3795736	NC_021161.1	Ca_kabuli_chr02	3795736	GG	CC	1940147058
SNP_P1_22034_3795963	NC_021161.1	Ca_kabuli_chr02	3795963	GG	TT	1940147059
SNP_P1_22035_3796338	NC_021161.1	Ca_kabuli_chr02	3796338	AA	GG	1940147060
SNP_P1_22036_3796344	NC_021161.1	Ca_kabuli_chr02	3796344	CC	TT	1940147061
SNP_P1_22037_3798525	NC_021161.1	Ca_kabuli_chr02	3798525	TT	AA	1940147062
SNP_P1_22038_3798529	NC_021161.1	Ca_kabuli_chr02	3798529	CC	TT	1940147063
SNP_P1_22039_3798611	NC_021161.1	Ca_kabuli_chr02	3798611	GG	TT	1940147064
SNP_P1_22040_3799323	NC_021161.1	Ca_kabuli_chr02	3799323	CC	GG	1940147065
SNP_P1_22041_3799362	NC_021161.1	Ca_kabuli_chr02	3799362	TT	CC	1940147066
SNP_P1_22043_3799652	NC_021161.1	Ca_kabuli_chr02	3799652	AA	GG	1940147067
SNP_P1_22044_3799678	NC_021161.1	Ca_kabuli_chr02	3799678	CC	TT	1940147068
SNP_P1_22045_3799891	NC_021161.1	Ca_kabuli_chr02	3799891	TT	CC	1940147069
SNP_P1_22046_3800089	NC_021161.1	Ca_kabuli_chr02	3800089	TT	CC	1940147070
SNP_P1_22047_3800130	NC_021161.1	Ca_kabuli_chr02	3800130	TT	CC	1940147071
SNP_P1_22049_3800209	NC_021161.1	Ca_kabuli_chr02	3800209	CC	TT	1940147072
SNP_P1_22050_3800415	NC_021161.1	Ca_kabuli_chr02	3800415	TT	CC	1940147073
SNP_P1_22051_3800551	NC_021161.1	Ca_kabuli_chr02	3800551	GG	TT	1940147074
SNP_P1_22052_3800800	NC_021161.1	Ca_kabuli_chr02	3800800	GG	AA	1940147075
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SNP_P1_22054_3800968	NC_021161.1	Ca_kabuli_chr02	3800968	AA	TT	1940147077
SNP_P1_22055_3801004	NC_021161.1	Ca_kabuli_chr02	3801004	GG	TT	1940147078
SNP_P1_22058_3804164	NC_021161.1	Ca_kabuli_chr02	3804164	TT	CC	1940147079
SNP_P1_22059_3804198	NC_021161.1	Ca_kabuli_chr02	3804198	AA	GG	1940147080
SNP_P1_22060_3804247	NC_021161.1	Ca_kabuli_chr02	3804247	GG	AA	1940147081
SNP_P1_22061_3804358	NC_021161.1	Ca_kabuli_chr02	3804358	AA	CC	1940147083
SNP_P1_22062_3804401	NC_021161.1	Ca_kabuli_chr02	3804401	AA	GG	1940147084
SNP_P1_22063_3805273	NC_021161.1	Ca_kabuli_chr02	3805273	GG	TT	1940147085
SNP_P1_22064_3805325	NC_021161.1	Ca_kabuli_chr02	3805325	CC	GG	1940147086
SNP_P1_22065_3805327	NC_021161.1	Ca_kabuli_chr02	3805327	AA	CC	1940147087
SNP_P1_22066_3805410	NC_021161.1	Ca_kabuli_chr02	3805410	AA	GG	1940147088
SNP_P1_22067_3805411	NC_021161.1	Ca_kabuli_chr02	3805411	AA	TT	1940147089
SNP_P1_22068_3805500	NC_021161.1	Ca_kabuli_chr02	3805500	AA	TT	1940147090
SNP_P1_22069_3805542	NC_021161.1	Ca_kabuli_chr02	3805542	GG	CC	1940147091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22071_3805756	NC_021161.1	Ca_kabuli_chr02	3805756	AA	GG	1940147093
SNP_P1_22072_3805757	NC_021161.1	Ca_kabuli_chr02	3805757	CC	TT	1940147094
SNP_P1_22073_3805758	NC_021161.1	Ca_kabuli_chr02	3805758	TT	AA	1940147095
SNP_P1_22074_3805984	NC_021161.1	Ca_kabuli_chr02	3805984	CC	TT	1940147096
SNP_P1_22076_3806017	NC_021161.1	Ca_kabuli_chr02	3806017	AA	GG	1940147097
SNP_P1_22077_3806072	NC_021161.1	Ca_kabuli_chr02	3806072	TT	CC	1940147098
SNP_P1_22078_3807461	NC_021161.1	Ca_kabuli_chr02	3807461	AA	CC	1940147099
SNP_P1_22079_3807783	NC_021161.1	Ca_kabuli_chr02	3807783	CC	TT	1940147100
SNP_P1_22080_3808352	NC_021161.1	Ca_kabuli_chr02	3808352	GG	AA	1940147101
SNP_P1_22081_3808584	NC_021161.1	Ca_kabuli_chr02	3808584	GG	AA	1940147102
SNP_P1_22082_3809943	NC_021161.1	Ca_kabuli_chr02	3809943	CC	AA	1940147103
SNP_P1_22085_3811127	NC_021161.1	Ca_kabuli_chr02	3811127	CC	TT	1940147104
SNP_P1_22086_3811215	NC_021161.1	Ca_kabuli_chr02	3811215	AA	GG	1940147105
SNP_P1_22087_3811388	NC_021161.1	Ca_kabuli_chr02	3811388	AA	GG	1940147106
SNP_P1_22088_3811397	NC_021161.1	Ca_kabuli_chr02	3811397	CC	TT	1940147107
SNP_P1_22089_3811421	NC_021161.1	Ca_kabuli_chr02	3811421	GG	TT	1940147108
SNP_P1_22090_3811940	NC_021161.1	Ca_kabuli_chr02	3811940	AA	CC	1940147109
SNP_P1_22092_3812578	NC_021161.1	Ca_kabuli_chr02	3812578	CC	AA	1940147110
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SNP_P1_22094_3812583	NC_021161.1	Ca_kabuli_chr02	3812583	TT	CC	1940147112
SNP_P1_22095_3813559	NC_021161.1	Ca_kabuli_chr02	3813559	GG	AA	1940147113
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SNP_P1_22097_3813575	NC_021161.1	Ca_kabuli_chr02	3813575	TT	CC	1940147115
SNP_P1_22098_3813577	NC_021161.1	Ca_kabuli_chr02	3813577	TT	CC	1940147116
SNP_P1_22100_3813724	NC_021161.1	Ca_kabuli_chr02	3813724	AA	GG	1940147117
SNP_P1_22101_3813726	NC_021161.1	Ca_kabuli_chr02	3813726	GG	AA	1940147118
SNP_P1_22102_3813738	NC_021161.1	Ca_kabuli_chr02	3813738	AA	GG	1940147119
SNP_P1_22103_3813909	NC_021161.1	Ca_kabuli_chr02	3813909	TT	GG	1940147120
SNP_P1_22104_3813959	NC_021161.1	Ca_kabuli_chr02	3813959	TT	CC	1940147121
SNP_P1_22105_3813960	NC_021161.1	Ca_kabuli_chr02	3813960	GG	TT	1940147122
SNP_P1_22107_3814006	NC_021161.1	Ca_kabuli_chr02	3814006	AA	TT	1940147123
SNP_P1_22108_3814168	NC_021161.1	Ca_kabuli_chr02	3814168	CC	TT	1940147124
SNP_P1_22109_3814203	NC_021161.1	Ca_kabuli_chr02	3814203	TT	AA	1940147125
SNP_P1_22110_3814577	NC_021161.1	Ca_kabuli_chr02	3814577	CC	TT	1940147126
SNP_P1_22111_3814638	NC_021161.1	Ca_kabuli_chr02	3814638	TT	AA	1940147127
SNP_P1_22112_3814989	NC_021161.1	Ca_kabuli_chr02	3814989	GG	AA	1940147128
SNP_P1_22113_3815003	NC_021161.1	Ca_kabuli_chr02	3815003	GG	AA	1940147129
SNP_P1_22114_3816676	NC_021161.1	Ca_kabuli_chr02	3816676	TT	CC	1940147131
SNP_P1_22115_3816762	NC_021161.1	Ca_kabuli_chr02	3816762	CC	TT	1940147132
SNP_P1_22116_3817247	NC_021161.1	Ca_kabuli_chr02	3817247	GG	AA	1940147133
SNP_P1_22117_3819480	NC_021161.1	Ca_kabuli_chr02	3819480	AA	CC	1940147134

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22119_3877881	NC_021161.1	Ca_kabuli_chr02	3877881	TT	CC	1940147136
SNP_P1_22120_3881970	NC_021161.1	Ca_kabuli_chr02	3881970	AA	CC	1940147137
SNP_P1_22121_3884999	NC_021161.1	Ca_kabuli_chr02	3884999	CC	TT	1940147138
SNP_P1_22122_3901640	NC_021161.1	Ca_kabuli_chr02	3901640	TT	CC	1940147139
SNP_P1_22123_3901712	NC_021161.1	Ca_kabuli_chr02	3901712	AA	CC	1940147140
SNP_P1_22124_3901717	NC_021161.1	Ca_kabuli_chr02	3901717	TT	GG	1940147141
SNP_P1_22125_3901729	NC_021161.1	Ca_kabuli_chr02	3901729	CC	AA	1940147142
SNP_P1_22127_3906168	NC_021161.1	Ca_kabuli_chr02	3906168	AA	GG	1940147143
SNP_P1_22128_3919050	NC_021161.1	Ca_kabuli_chr02	3919050	AA	GG	1940147144
SNP_P1_22131_3950476	NC_021161.1	Ca_kabuli_chr02	3950476	TT	AA	1940147145
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SNP_P1_22135_3974294	NC_021161.1	Ca_kabuli_chr02	3974294	AA	TT	1940147148
SNP_P1_22136_3974593	NC_021161.1	Ca_kabuli_chr02	3974593	TT	CC	1940147149
SNP_P1_22140_4018623	NC_021161.1	Ca_kabuli_chr02	4018623	TT	GG	1940147151
SNP_P1_22143_4034450	NC_021161.1	Ca_kabuli_chr02	4034450	CC	TT	1940147152
SNP_P1_22144_4037454	NC_021161.1	Ca_kabuli_chr02	4037454	GG	AA	1940147153
SNP_P1_22147_4063726	NC_021161.1	Ca_kabuli_chr02	4063726	AA	GG	1940147154
SNP_P1_22148_4067351	NC_021161.1	Ca_kabuli_chr02	4067351	GG	AA	1940147155
SNP_P1_22149_4069582	NC_021161.1	Ca_kabuli_chr02	4069582	AA	GG	1940147156
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SNP_P1_22155_4130561	NC_021161.1	Ca_kabuli_chr02	4130561	CC	TT	1940147159
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SNP_P1_22160_4186842	NC_021161.1	Ca_kabuli_chr02	4186842	GG	AA	1940147163
SNP_P1_22161_4187331	NC_021161.1	Ca_kabuli_chr02	4187331	AA	GG	1940147164
SNP_P1_22162_4187362	NC_021161.1	Ca_kabuli_chr02	4187362	TT	CC	1940147165
SNP_P1_22163_4187473	NC_021161.1	Ca_kabuli_chr02	4187473	AA	TT	1940147166
SNP_P1_22164_4187474	NC_021161.1	Ca_kabuli_chr02	4187474	AA	TT	1940147167
SNP_P1_22165_4187748	NC_021161.1	Ca_kabuli_chr02	4187748	TT	AA	1940147169
SNP_P1_22166_4187773	NC_021161.1	Ca_kabuli_chr02	4187773	AA	GG	1940147170
SNP_P1_22167_4187799	NC_021161.1	Ca_kabuli_chr02	4187799	TT	CC	1940147171
SNP_P1_22168_4187840	NC_021161.1	Ca_kabuli_chr02	4187840	GG	AA	1940147172
SNP_P1_22169_4191282	NC_021161.1	Ca_kabuli_chr02	4191282	AA	GG	1940147173
SNP_P1_22170_4191381	NC_021161.1	Ca_kabuli_chr02	4191381	CC	TT	1940147174
SNP_P1_22171_4191385	NC_021161.1	Ca_kabuli_chr02	4191385	AA	CC	1940147175
SNP_P1_22173_4192094	NC_021161.1	Ca_kabuli_chr02	4192094	AA	TT	1940147176
SNP_P1_22174_4192148	NC_021161.1	Ca_kabuli_chr02	4192148	AA	GG	1940147177
SNP_P1_22175_4192158	NC_021161.1	Ca_kabuli_chr02	4192158	AA	CC	1940147178

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22178_4192211	NC_021161.1	Ca_kabuli_chr02	4192211	AA	GG	1940147181
SNP_P1_22179_4192240	NC_021161.1	Ca_kabuli_chr02	4192240	AA	GG	1940147182
SNP_P1_22180_4192447	NC_021161.1	Ca_kabuli_chr02	4192447	GG	TT	1940147183
SNP_P1_22181_4192476	NC_021161.1	Ca_kabuli_chr02	4192476	AA	GG	1940147185
SNP_P1_22182_4192590	NC_021161.1	Ca_kabuli_chr02	4192590	GG	AA	1940147186
SNP_P1_22183_4192625	NC_021161.1	Ca_kabuli_chr02	4192625	CC	AA	1940147187
SNP_P1_22184_4198870	NC_021161.1	Ca_kabuli_chr02	4198870	GG	AA	1940147188
SNP_P1_22186_4223569	NC_021161.1	Ca_kabuli_chr02	4223569	TT	AA	1940147189
SNP_P1_22187_4239436	NC_021161.1	Ca_kabuli_chr02	4239436	GG	TT	1940147190
SNP_P1_22188_4242635	NC_021161.1	Ca_kabuli_chr02	4242635	AA	GG	1940147191
SNP_P1_22189_4242708	NC_021161.1	Ca_kabuli_chr02	4242708	TT	CC	1940147192
SNP_P1_22190_4242721	NC_021161.1	Ca_kabuli_chr02	4242721	GG	TT	1940147193
SNP_P1_22191_4242735	NC_021161.1	Ca_kabuli_chr02	4242735	CC	TT	1940147194
SNP_P1_22192_4242997	NC_021161.1	Ca_kabuli_chr02	4242997	CC	TT	1940147195
SNP_P1_22193_4243037	NC_021161.1	Ca_kabuli_chr02	4243037	GG	TT	1940147196
SNP_P1_22194_4243057	NC_021161.1	Ca_kabuli_chr02	4243057	GG	TT	1940147197
SNP_P1_22195_4243140	NC_021161.1	Ca_kabuli_chr02	4243140	TT	GG	1940147198
SNP_P1_22196_4243149	NC_021161.1	Ca_kabuli_chr02	4243149	GG	AA	1940147200
SNP_P1_22197_4252998	NC_021161.1	Ca_kabuli_chr02	4252998	AA	GG	1940147201
SNP_P1_22201_4277749	NC_021161.1	Ca_kabuli_chr02	4277749	CC	TT	1940147202
SNP_P1_22202_4277755	NC_021161.1	Ca_kabuli_chr02	4277755	GG	TT	1940147203
SNP_P1_22203_4277777	NC_021161.1	Ca_kabuli_chr02	4277777	TT	GG	1940147204
SNP_P1_22204_4277908	NC_021161.1	Ca_kabuli_chr02	4277908	AA	CC	1940147205
SNP_P1_22205_4277915	NC_021161.1	Ca_kabuli_chr02	4277915	GG	TT	1940147206
SNP_P1_22206_4277948	NC_021161.1	Ca_kabuli_chr02	4277948	GG	AA	1940147207
SNP_P1_22207_4278175	NC_021161.1	Ca_kabuli_chr02	4278175	TT	CC	1940147208
SNP_P1_22208_4278192	NC_021161.1	Ca_kabuli_chr02	4278192	AA	GG	1940147209
SNP_P1_22209_4278200	NC_021161.1	Ca_kabuli_chr02	4278200	AA	GG	1940147210
SNP_P1_22210_4278253	NC_021161.1	Ca_kabuli_chr02	4278253	TT	CC	1940147211
SNP_P1_22212_4314906	NC_021161.1	Ca_kabuli_chr02	4314906	CC	AA	1940147212
SNP_P1_22213_4341965	NC_021161.1	Ca_kabuli_chr02	4341965	GG	CC	1940147213
SNP_P1_22214_4342055	NC_021161.1	Ca_kabuli_chr02	4342055	CC	TT	1940147214
SNP_P1_22215_4344672	NC_021161.1	Ca_kabuli_chr02	4344672	AA	TT	1940147215
SNP_P1_22216_4344675	NC_021161.1	Ca_kabuli_chr02	4344675	AA	TT	1940147216
SNP_P1_22217_4345056	NC_021161.1	Ca_kabuli_chr02	4345056	AA	GG	1940147217
SNP_P1_22218_4353937	NC_021161.1	Ca_kabuli_chr02	4353937	AA	GG	1940147218
SNP_P1_22219_4358439	NC_021161.1	Ca_kabuli_chr02	4358439	GG	AA	1940147219
SNP_P1_22220_4358467	NC_021161.1	Ca_kabuli_chr02	4358467	AA	GG	1940147220
SNP_P1_22221_4358479	NC_021161.1	Ca_kabuli_chr02	4358479	CC	TT	1940147221
SNP_P1_22222_4358502	NC_021161.1	Ca_kabuli_chr02	4358502	AA	GG	1940147222

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22225_4373811	NC_021161.1	Ca_kabuli_chr02	4373811	CC	TT	1940147224
SNP_P1_22226_4379411	NC_021161.1	Ca_kabuli_chr02	4379411	GG	TT	1940147225
SNP_P1_22227_4450971	NC_021161.1	Ca_kabuli_chr02	4450971	AA	TT	1940147226
SNP_P1_22228_4450985	NC_021161.1	Ca_kabuli_chr02	4450985	AA	GG	1940147228
SNP_P1_22230_4493328	NC_021161.1	Ca_kabuli_chr02	4493328	GG	TT	1940147229
SNP_P1_22231_4517083	NC_021161.1	Ca_kabuli_chr02	4517083	AA	GG	1940147230
SNP_P1_22232_4517104	NC_021161.1	Ca_kabuli_chr02	4517104	TT	CC	1940147231
SNP_P1_22233_4525026	NC_021161.1	Ca_kabuli_chr02	4525026	CC	TT	1940147232
SNP_P1_22235_4528808	NC_021161.1	Ca_kabuli_chr02	4528808	GG	TT	1940147233
SNP_P1_22236_4539182	NC_021161.1	Ca_kabuli_chr02	4539182	TT	CC	1940147234
SNP_P1_22238_4542620	NC_021161.1	Ca_kabuli_chr02	4542620	AA	GG	1940147235
SNP_P1_22239_4542625	NC_021161.1	Ca_kabuli_chr02	4542625	AA	GG	1940147236
SNP_P1_22240_4546847	NC_021161.1	Ca_kabuli_chr02	4546847	CC	AA	1940147237
SNP_P1_22241_4549766	NC_021161.1	Ca_kabuli_chr02	4549766	AA	CC	1940147238
SNP_P1_22242_4549770	NC_021161.1	Ca_kabuli_chr02	4549770	GG	TT	1940147239
SNP_P1_22243_4550633	NC_021161.1	Ca_kabuli_chr02	4550633	AA	GG	1940147240
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SNP_P1_22245_4551279	NC_021161.1	Ca_kabuli_chr02	4551279	TT	GG	1940147242
SNP_P1_22246_4557347	NC_021161.1	Ca_kabuli_chr02	4557347	CC	TT	1940147243
SNP_P1_22247_4557615	NC_021161.1	Ca_kabuli_chr02	4557615	CC	AA	1940147244
SNP_P1_22248_4572796	NC_021161.1	Ca_kabuli_chr02	4572796	GG	CC	1940147245
SNP_P1_22249_4590204	NC_021161.1	Ca_kabuli_chr02	4590204	GG	AA	1940147246
SNP_P1_22251_4620728	NC_021161.1	Ca_kabuli_chr02	4620728	GG	AA	1940147247
SNP_P1_22252_4620809	NC_021161.1	Ca_kabuli_chr02	4620809	AA	TT	1940147248
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SNP_P1_22256_4670595	NC_021161.1	Ca_kabuli_chr02	4670595	TT	CC	1940147250
SNP_P1_22257_4677916	NC_021161.1	Ca_kabuli_chr02	4677916	TT	CC	1940147251
SNP_P1_22258_4677963	NC_021161.1	Ca_kabuli_chr02	4677963	AA	GG	1940147252
SNP_P1_22259_4677973	NC_021161.1	Ca_kabuli_chr02	4677973	CC	TT	1940147253
SNP_P1_22260_4677975	NC_021161.1	Ca_kabuli_chr02	4677975	GG	TT	1940147254
SNP_P1_22261_4677999	NC_021161.1	Ca_kabuli_chr02	4677999	CC	TT	1940147255
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SNP_P1_22263_4678016	NC_021161.1	Ca_kabuli_chr02	4678016	CC	TT	1940147257
SNP_P1_22264_4678270	NC_021161.1	Ca_kabuli_chr02	4678270	CC	TT	1940147258
SNP_P1_22265_4678358	NC_021161.1	Ca_kabuli_chr02	4678358	CC	TT	1940147259
SNP_P1_22267_4714993	NC_021161.1	Ca_kabuli_chr02	4714993	CC	AA	1940147260
SNP_P1_22268_4715001	NC_021161.1	Ca_kabuli_chr02	4715001	TT	CC	1940147262
SNP_P1_22269_4746281	NC_021161.1	Ca_kabuli_chr02	4746281	GG	AA	1940147263
SNP_P1_22270_4747812	NC_021161.1	Ca_kabuli_chr02	4747812	AA	TT	1940147264
SNP_P1_22271_4748130	NC_021161.1	Ca_kabuli_chr02	4748130	TT	AA	1940147265
SNP_P1_22272_4748647	NC_021161.1	Ca_kabuli_chr02	4748647	AA	GG	1940147266

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22276_4766516	NC_021161.1	Ca_kabuli_chr02	4766516	TT	CC	1940147269
SNP_P1_22277_4766566	NC_021161.1	Ca_kabuli_chr02	4766566	TT	AA	1940147270
SNP_P1_22278_4767165	NC_021161.1	Ca_kabuli_chr02	4767165	AA	CC	1940147271
SNP_P1_22279_4768157	NC_021161.1	Ca_kabuli_chr02	4768157	GG	CC	1940147272
SNP_P1_22280_4769404	NC_021161.1	Ca_kabuli_chr02	4769404	GG	TT	1940147273
SNP_P1_22281_4770440	NC_021161.1	Ca_kabuli_chr02	4770440	CC	TT	1940147274
SNP_P1_22282_4770709	NC_021161.1	Ca_kabuli_chr02	4770709	TT	GG	1940147275
SNP_P1_22283_4805041	NC_021161.1	Ca_kabuli_chr02	4805041	CC	TT	1940147276
SNP_P1_22284_4812591	NC_021161.1	Ca_kabuli_chr02	4812591	GG	AA	1940147277
SNP_P1_22285_4812595	NC_021161.1	Ca_kabuli_chr02	4812595	CC	TT	1940147278
SNP_P1_22286_4812788	NC_021161.1	Ca_kabuli_chr02	4812788	AA	GG	1940147279
SNP_P1_22288_4812911	NC_021161.1	Ca_kabuli_chr02	4812911	TT	CC	1940147280
SNP_P1_22289_4812950	NC_021161.1	Ca_kabuli_chr02	4812950	GG	TT	1940147281
SNP_P1_22290_4812979	NC_021161.1	Ca_kabuli_chr02	4812979	GG	AA	1940147282
SNP_P1_22291_4813128	NC_021161.1	Ca_kabuli_chr02	4813128	AA	GG	1940147283
SNP_P1_22292_4815200	NC_021161.1	Ca_kabuli_chr02	4815200	AA	TT	1940147284
SNP_P1_22293_4815737	NC_021161.1	Ca_kabuli_chr02	4815737	CC	TT	1940147285
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SNP_P1_22295_4819571	NC_021161.1	Ca_kabuli_chr02	4819571	CC	TT	1940147287
SNP_P1_22296_4829772	NC_021161.1	Ca_kabuli_chr02	4829772	TT	CC	1940147288
SNP_P1_22298_4890866	NC_021161.1	Ca_kabuli_chr02	4890866	GG	TT	1940147289
SNP_P1_22299_4890869	NC_021161.1	Ca_kabuli_chr02	4890869	TT	GG	1940147290
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SNP_P1_22301_4890940	NC_021161.1	Ca_kabuli_chr02	4890940	AA	TT	1940147292
SNP_P1_22302_4891105	NC_021161.1	Ca_kabuli_chr02	4891105	AA	GG	1940147293
SNP_P1_22304_4891402	NC_021161.1	Ca_kabuli_chr02	4891402	GG	AA	1940147294
SNP_P1_22305_4891436	NC_021161.1	Ca_kabuli_chr02	4891436	AA	GG	1940147295
SNP_P1_22306_4891487	NC_021161.1	Ca_kabuli_chr02	4891487	AA	GG	1940147296
SNP_P1_22307_4892429	NC_021161.1	Ca_kabuli_chr02	4892429	CC	TT	1940147298
SNP_P1_22308_4892489	NC_021161.1	Ca_kabuli_chr02	4892489	AA	CC	1940147299
SNP_P1_22309_4892541	NC_021161.1	Ca_kabuli_chr02	4892541	TT	AA	1940147300
SNP_P1_22310_4892667	NC_021161.1	Ca_kabuli_chr02	4892667	CC	TT	1940147301
SNP_P1_22312_4892894	NC_021161.1	Ca_kabuli_chr02	4892894	AA	TT	1940147302
SNP_P1_22313_4893002	NC_021161.1	Ca_kabuli_chr02	4893002	TT	GG	1940147303
SNP_P1_22314_4893011	NC_021161.1	Ca_kabuli_chr02	4893011	CC	TT	1940147304
SNP_P1_22315_4893058	NC_021161.1	Ca_kabuli_chr02	4893058	CC	TT	1940147305
SNP_P1_22316_4893317	NC_021161.1	Ca_kabuli_chr02	4893317	TT	CC	1940147306
SNP_P1_22317_4893356	NC_021161.1	Ca_kabuli_chr02	4893356	AA	GG	1940147307
SNP_P1_22318_4893410	NC_021161.1	Ca_kabuli_chr02	4893410	CC	GG	1940147308
SNP_P1_22319_4893489	NC_021161.1	Ca_kabuli_chr02	4893489	TT	AA	1940147309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22321_4893601	NC_021161.1	Ca_kabuli_chr02	4893601	TT	CC	1940147312
SNP_P1_22322_4893704	NC_021161.1	Ca_kabuli_chr02	4893704	TT	AA	1940147313
SNP_P1_22323_4893783	NC_021161.1	Ca_kabuli_chr02	4893783	GG	AA	1940147314
SNP_P1_22324_4893902	NC_021161.1	Ca_kabuli_chr02	4893902	CC	TT	1940147315
SNP_P1_22325_4893941	NC_021161.1	Ca_kabuli_chr02	4893941	AA	GG	1940147316
SNP_P1_22326_4894008	NC_021161.1	Ca_kabuli_chr02	4894008	AA	TT	1940147317
SNP_P1_22327_4894056	NC_021161.1	Ca_kabuli_chr02	4894056	GG	AA	1940147318
SNP_P1_22329_4894250	NC_021161.1	Ca_kabuli_chr02	4894250	CC	AA	1940147319
SNP_P1_22330_4894639	NC_021161.1	Ca_kabuli_chr02	4894639	GG	TT	1940147320
SNP_P1_22331_4894701	NC_021161.1	Ca_kabuli_chr02	4894701	CC	AA	1940147321
SNP_P1_22333_4895096	NC_021161.1	Ca_kabuli_chr02	4895096	TT	GG	1940147323
SNP_P1_22334_4895214	NC_021161.1	Ca_kabuli_chr02	4895214	TT	CC	1940147324
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SNP_P1_22336_4895463	NC_021161.1	Ca_kabuli_chr02	4895463	CC	TT	1940147326
SNP_P1_22337_4895476	NC_021161.1	Ca_kabuli_chr02	4895476	CC	AA	1940147327
SNP_P1_22338_4895477	NC_021161.1	Ca_kabuli_chr02	4895477	GG	AA	1940147328
SNP_P1_22339_4895494	NC_021161.1	Ca_kabuli_chr02	4895494	AA	GG	1940147329
SNP_P1_22340_4895497	NC_021161.1	Ca_kabuli_chr02	4895497	CC	TT	1940147330
SNP_P1_22341_4895508	NC_021161.1	Ca_kabuli_chr02	4895508	GG	AA	1940147331
SNP_P1_22342_4895614	NC_021161.1	Ca_kabuli_chr02	4895614	TT	CC	1940147332
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SNP_P1_22344_4895627	NC_021161.1	Ca_kabuli_chr02	4895627	AA	GG	1940147335
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SNP_P1_22352_4902776	NC_021161.1	Ca_kabuli_chr02	4902776	GG	AA	1940147342
SNP_P1_22353_4902795	NC_021161.1	Ca_kabuli_chr02	4902795	TT	GG	1940147343
SNP_P1_22354_4902807	NC_021161.1	Ca_kabuli_chr02	4902807	GG	AA	1940147344
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SNP_P1_22357_4903010	NC_021161.1	Ca_kabuli_chr02	4903010	TT	CC	1940147347
SNP_P1_22358_4903032	NC_021161.1	Ca_kabuli_chr02	4903032	AA	GG	1940147348
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SNP_P1_22361_4916011	NC_021161.1	Ca_kabuli_chr02	4916011	AA	GG	1940147350
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SNP_P1_22363_4916248	NC_021161.1	Ca_kabuli_chr02	4916248	CC	GG	1940147352
SNP_P1_22364_4916270	NC_021161.1	Ca_kabuli_chr02	4916270	TT	CC	1940147353
SNP_P1_22365_4919050	NC_021161.1	Ca_kabuli_chr02	4919050	AA	GG	1940147354

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22368_4919101	NC_021161.1	Ca_kabuli_chr02	4919101	AA	TT	1940147358
SNP_P1_22369_4919126	NC_021161.1	Ca_kabuli_chr02	4919126	CC	TT	1940147359
SNP_P1_22370_4919161	NC_021161.1	Ca_kabuli_chr02	4919161	CC	AA	1940147360
SNP_P1_22371_4919162	NC_021161.1	Ca_kabuli_chr02	4919162	GG	AA	1940147361
SNP_P1_22374_4974322	NC_021161.1	Ca_kabuli_chr02	4974322	AA	GG	1940147362
SNP_P1_22375_4976831	NC_021161.1	Ca_kabuli_chr02	4976831	TT	GG	1940147363
SNP_P1_22376_4981626	NC_021161.1	Ca_kabuli_chr02	4981626	AA	GG	1940147364
SNP_P1_22377_5024478	NC_021161.1	Ca_kabuli_chr02	5024478	GG	AA	1940147365
SNP_P1_22379_5054348	NC_021161.1	Ca_kabuli_chr02	5054348	AA	TT	1940147366
SNP_P1_22380_5062602	NC_021161.1	Ca_kabuli_chr02	5062602	GG	AA	1940147367
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SNP_P1_22383_5074185	NC_021161.1	Ca_kabuli_chr02	5074185	AA	TT	1940147370
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SNP_P1_22386_5104471	NC_021161.1	Ca_kabuli_chr02	5104471	AA	CC	1940147372
SNP_P1_22387_5104472	NC_021161.1	Ca_kabuli_chr02	5104472	AA	CC	1940147373
SNP_P1_22389_5112614	NC_021161.1	Ca_kabuli_chr02	5112614	GG	AA	1940147374
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SNP_P1_22392_5112660	NC_021161.1	Ca_kabuli_chr02	5112660	GG	AA	1940147377
SNP_P1_22393_5112665	NC_021161.1	Ca_kabuli_chr02	5112665	GG	AA	1940147378
SNP_P1_22394_5112667	NC_021161.1	Ca_kabuli_chr02	5112667	TT	AA	1940147379
SNP_P1_22396_5112758	NC_021161.1	Ca_kabuli_chr02	5112758	AA	GG	1940147380
SNP_P1_22397_5122919	NC_021161.1	Ca_kabuli_chr02	5122919	CC	TT	1940147381
SNP_P1_22398_5135197	NC_021161.1	Ca_kabuli_chr02	5135197	AA	GG	1940147382
SNP_P1_22399_5135328	NC_021161.1	Ca_kabuli_chr02	5135328	AA	CC	1940147383
SNP_P1_22400_5135343	NC_021161.1	Ca_kabuli_chr02	5135343	AA	GG	1940147384
SNP_P1_22401_5135366	NC_021161.1	Ca_kabuli_chr02	5135366	AA	CC	1940147385
SNP_P1_22403_5147970	NC_021161.1	Ca_kabuli_chr02	5147970	CC	TT	1940147386
SNP_P1_22405_5157609	NC_021161.1	Ca_kabuli_chr02	5157609	CC	TT	1940147387
SNP_P1_22406_5158306	NC_021161.1	Ca_kabuli_chr02	5158306	AA	GG	1940147388
SNP_P1_22408_5169707	NC_021161.1	Ca_kabuli_chr02	5169707	GG	AA	1940147390
SNP_P1_22409_5187343	NC_021161.1	Ca_kabuli_chr02	5187343	GG	CC	1940147391
SNP_P1_22410_5193943	NC_021161.1	Ca_kabuli_chr02	5193943	AA	GG	1940147392
SNP_P1_22411_5238358	NC_021161.1	Ca_kabuli_chr02	5238358	TT	CC	1940147393
SNP_P1_22412_5238359	NC_021161.1	Ca_kabuli_chr02	5238359	CC	AA	1940147394
SNP_P1_22413_5238450	NC_021161.1	Ca_kabuli_chr02	5238450	AA	GG	1940147395
SNP_P1_22414_5238541	NC_021161.1	Ca_kabuli_chr02	5238541	GG	AA	1940147396
SNP_P1_22415_5240817	NC_021161.1	Ca_kabuli_chr02	5240817	AA	CC	1940147397
SNP_P1_22416_5265502	NC_021161.1	Ca_kabuli_chr02	5265502	AA	GG	1940147398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_22417_5265722	NC_021161.1	Ca_kabuli_chr02	5265722	TT	GG	1940147399
SNP_P1_22418_5265727	NC_021161.1	Ca_kabuli_chr02	5265727	TT	GG	1940147400
SNP_P1_22420_5339832	NC_021161.1	Ca_kabuli_chr02	5339832	GG	TT	1940147401
SNP_P1_22421_5339833	NC_021161.1	Ca_kabuli_chr02	5339833	GG	AA	1940147402
SNP_P1_22422_5339850	NC_021161.1	Ca_kabuli_chr02	5339850	CC	TT	1940147403
SNP_P1_22423_5339851	NC_021161.1	Ca_kabuli_chr02	5339851	TT	AA	1940147404
SNP_P1_22424_5346798	NC_021161.1	Ca_kabuli_chr02	5346798	CC	TT	1940147405
SNP_P1_22425_5347931	NC_021161.1	Ca_kabuli_chr02	5347931	CC	TT	1940147406
SNP_P1_22426_5357780	NC_021161.1	Ca_kabuli_chr02	5357780	TT	AA	1940147407
SNP_P1_22427_5357782	NC_021161.1	Ca_kabuli_chr02	5357782	CC	AA	1940147408
SNP_P1_22428_5407930	NC_021161.1	Ca_kabuli_chr02	5407930	TT	CC	1940147409
SNP_P1_22429_5407966	NC_021161.1	Ca_kabuli_chr02	5407966	GG	AA	1940147410
SNP_P1_22430_5407992	NC_021161.1	Ca_kabuli_chr02	5407992	TT	CC	1940147411
SNP_P1_22431_5408008	NC_021161.1	Ca_kabuli_chr02	5408008	TT	CC	1940147412
SNP_P1_22432_5408021	NC_021161.1	Ca_kabuli_chr02	5408021	TT	CC	1940147413
SNP_P1_22434_5467531	NC_021161.1	Ca_kabuli_chr02	5467531	GG	AA	1940147414
SNP_P1_22435_5483872	NC_021161.1	Ca_kabuli_chr02	5483872	GG	AA	1940147415
SNP_P1_22436_5510140	NC_021161.1	Ca_kabuli_chr02	5510140	AA	CC	1940147416
SNP_P1_22437_5520756	NC_021161.1	Ca_kabuli_chr02	5520756	AA	CC	1940147417
SNP_P1_22438_5522756	NC_021161.1	Ca_kabuli_chr02	5522756	GG	AA	1940147418
SNP_P1_22439_5522765	NC_021161.1	Ca_kabuli_chr02	5522765	GG	AA	1940147419
SNP_P1_22440_5522912	NC_021161.1	Ca_kabuli_chr02	5522912	AA	GG	1940147420
SNP_P1_22441_5522929	NC_021161.1	Ca_kabuli_chr02	5522929	TT	AA	1940147421
SNP_P1_22442_5522930	NC_021161.1	Ca_kabuli_chr02	5522930	GG	TT	1940147422
SNP_P1_22443_5522950	NC_021161.1	Ca_kabuli_chr02	5522950	AA	GG	1940147424
SNP_P1_22444_5522954	NC_021161.1	Ca_kabuli_chr02	5522954	AA	CC	1940147425
SNP_P1_22445_5524339	NC_021161.1	Ca_kabuli_chr02	5524339	TT	GG	1940147426
SNP_P1_22446_5524431	NC_021161.1	Ca_kabuli_chr02	5524431	AA	GG	1940147427
SNP_P1_22447_5524436	NC_021161.1	Ca_kabuli_chr02	5524436	GG	AA	1940147428
SNP_P1_22448_5524465	NC_021161.1	Ca_kabuli_chr02	5524465	AA	TT	1940147429
SNP_P1_22449_5524479	NC_021161.1	Ca_kabuli_chr02	5524479	AA	CC	1940147430
SNP_P1_22450_5524636	NC_021161.1	Ca_kabuli_chr02	5524636	TT	AA	1940147431
SNP_P1_22451_5524663	NC_021161.1	Ca_kabuli_chr02	5524663	TT	CC	1940147432
SNP_P1_22452_5524726	NC_021161.1	Ca_kabuli_chr02	5524726	TT	CC	1940147433
SNP_P1_22453_5524768	NC_021161.1	Ca_kabuli_chr02	5524768	CC	TT	1940147434
SNP_P1_22454_5524783	NC_021161.1	Ca_kabuli_chr02	5524783	TT	AA	1940147435
SNP_P1_22455_5547003	NC_021161.1	Ca_kabuli_chr02	5547003	CC	TT	1940147437
SNP_P1_22457_5569522	NC_021161.1	Ca_kabuli_chr02	5569522	AA	GG	1940147438
SNP_P1_22458_5583175	NC_021161.1	Ca_kabuli_chr02	5583175	CC	TT	1940147439
SNP_P1_22459_5583178	NC_021161.1	Ca_kabuli_chr02	5583178	TT	AA	1940147440
SNP_P1_22460_5583601	NC_021161.1	Ca_kabuli_chr02	5583601	CC	AA	1940147441
SNP_P1_22461_5620803	NC_021161.1	Ca_kabuli_chr02	5620803	GG	TT	1940147442

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_22462_5620806	NC_021161.1	Ca_kabuli_chr02	5620806	AA	TT	1940147443
SNP_P1_22465_5655919	NC_021161.1	Ca_kabuli_chr02	5655919	AA	CC	1940147444
SNP_P1_22467_5659325	NC_021161.1	Ca_kabuli_chr02	5659325	TT	CC	1940147445
SNP_P1_22469_5676434	NC_021161.1	Ca_kabuli_chr02	5676434	CC	TT	1940147446
SNP_P1_22470_5703482	NC_021161.1	Ca_kabuli_chr02	5703482	TT	CC	1940147448
SNP_P1_22471_5703508	NC_021161.1	Ca_kabuli_chr02	5703508	TT	CC	1940147449
SNP_P1_22472_5703602	NC_021161.1	Ca_kabuli_chr02	5703602	GG	TT	1940147450
SNP_P1_22473_5703606	NC_021161.1	Ca_kabuli_chr02	5703606	AA	GG	1940147451
SNP_P1_22474_5703686	NC_021161.1	Ca_kabuli_chr02	5703686	TT	CC	1940147452
SNP_P1_22475_5703750	NC_021161.1	Ca_kabuli_chr02	5703750	GG	AA	1940147453
SNP_P1_22476_5706144	NC_021161.1	Ca_kabuli_chr02	5706144	AA	GG	1940147454
SNP_P1_22477_5706231	NC_021161.1	Ca_kabuli_chr02	5706231	GG	AA	1940147455
SNP_P1_22478_5706302	NC_021161.1	Ca_kabuli_chr02	5706302	AA	GG	1940147456
SNP_P1_22479_5706327	NC_021161.1	Ca_kabuli_chr02	5706327	CC	AA	1940147457
SNP_P1_22480_5706414	NC_021161.1	Ca_kabuli_chr02	5706414	AA	TT	1940147458
SNP_P1_22481_5706478	NC_021161.1	Ca_kabuli_chr02	5706478	GG	CC	1940147459
SNP_P1_22482_5706482	NC_021161.1	Ca_kabuli_chr02	5706482	AA	CC	1940147460
SNP_P1_22483_5706529	NC_021161.1	Ca_kabuli_chr02	5706529	GG	AA	1940147462
SNP_P1_22484_5706552	NC_021161.1	Ca_kabuli_chr02	5706552	AA	GG	1940147463
SNP_P1_22485_5706581	NC_021161.1	Ca_kabuli_chr02	5706581	GG	TT	1940147464
SNP_P1_22486_5706583	NC_021161.1	Ca_kabuli_chr02	5706583	CC	TT	1940147465
SNP_P1_22487_5710878	NC_021161.1	Ca_kabuli_chr02	5710878	TT	CC	1940147466
SNP_P1_22488_5712010	NC_021161.1	Ca_kabuli_chr02	5712010	TT	CC	1940147467
SNP_P1_22489_5712018	NC_021161.1	Ca_kabuli_chr02	5712018	GG	AA	1940147468
SNP_P1_22490_5712020	NC_021161.1	Ca_kabuli_chr02	5712020	CC	TT	1940147469
SNP_P1_22491_5720007	NC_021161.1	Ca_kabuli_chr02	5720007	AA	GG	1940147470
SNP_P1_22492_5720055	NC_021161.1	Ca_kabuli_chr02	5720055	CC	TT	1940147471
SNP_P1_22493_5720149	NC_021161.1	Ca_kabuli_chr02	5720149	GG	AA	1940147472
SNP_P1_22494_5720340	NC_021161.1	Ca_kabuli_chr02	5720340	TT	CC	1940147473
SNP_P1_22495_5724971	NC_021161.1	Ca_kabuli_chr02	5724971	AA	TT	1940147475
SNP_P1_22496_5725057	NC_021161.1	Ca_kabuli_chr02	5725057	AA	GG	1940147476
SNP_P1_22497_5725077	NC_021161.1	Ca_kabuli_chr02	5725077	GG	AA	1940147477
SNP_P1_22498_5728899	NC_021161.1	Ca_kabuli_chr02	5728899	GG	CC	1940147478
SNP_P1_22499_5728956	NC_021161.1	Ca_kabuli_chr02	5728956	TT	CC	1940147479
SNP_P1_22500_5751629	NC_021161.1	Ca_kabuli_chr02	5751629	TT	GG	1940147480
SNP_P1_22501_5751653	NC_021161.1	Ca_kabuli_chr02	5751653	TT	CC	1940147481
SNP_P1_22502_5752101	NC_021161.1	Ca_kabuli_chr02	5752101	TT	CC	1940147482
SNP_P1_22503_5752891	NC_021161.1	Ca_kabuli_chr02	5752891	CC	TT	1940147483
SNP_P1_22504_5752901	NC_021161.1	Ca_kabuli_chr02	5752901	CC	TT	1940147484
SNP_P1_22505_5753041	NC_021161.1	Ca_kabuli_chr02	5753041	AA	TT	1940147485
SNP_P1_22507_5753079	NC_021161.1	Ca_kabuli_chr02	5753079	TT	CC	1940147486
SNP_P1_22508_5753092	NC_021161.1	Ca_kabuli_chr02	5753092	TT	CC	1940147487

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22510_5753113	NC_021161.1	Ca_kabuli_chr02	5753113	GG	CC	1940147489
SNP_P1_22511_5753212	NC_021161.1	Ca_kabuli_chr02	5753212	TT	CC	1940147490
SNP_P1_22512_5753213	NC_021161.1	Ca_kabuli_chr02	5753213	AA	GG	1940147491
SNP_P1_22513_5753292	NC_021161.1	Ca_kabuli_chr02	5753292	TT	GG	1940147492
SNP_P1_22514_5753293	NC_021161.1	Ca_kabuli_chr02	5753293	CC	AA	1940147493
SNP_P1_22515_5753309	NC_021161.1	Ca_kabuli_chr02	5753309	GG	CC	1940147494
SNP_P1_22516_5753476	NC_021161.1	Ca_kabuli_chr02	5753476	CC	TT	1940147495
SNP_P1_22517_5762360	NC_021161.1	Ca_kabuli_chr02	5762360	TT	CC	1940147496
SNP_P1_22518_5767803	NC_021161.1	Ca_kabuli_chr02	5767803	AA	TT	1940147497
SNP_P1_22519_5767804	NC_021161.1	Ca_kabuli_chr02	5767804	CC	AA	1940147498
SNP_P1_22520_5767823	NC_021161.1	Ca_kabuli_chr02	5767823	GG	AA	1940147499
SNP_P1_22521_5767942	NC_021161.1	Ca_kabuli_chr02	5767942	TT	GG	1940147500
SNP_P1_22522_5768066	NC_021161.1	Ca_kabuli_chr02	5768066	TT	GG	1940147501
SNP_P1_22523_5768122	NC_021161.1	Ca_kabuli_chr02	5768122	TT	GG	1940147502
SNP_P1_22524_5768220	NC_021161.1	Ca_kabuli_chr02	5768220	TT	AA	1940147503
SNP_P1_22525_5768761	NC_021161.1	Ca_kabuli_chr02	5768761	GG	AA	1940147504
SNP_P1_22526_5768805	NC_021161.1	Ca_kabuli_chr02	5768805	TT	CC	1940147506
SNP_P1_22527_5768826	NC_021161.1	Ca_kabuli_chr02	5768826	CC	AA	1940147507
SNP_P1_22528_5768838	NC_021161.1	Ca_kabuli_chr02	5768838	GG	AA	1940147508
SNP_P1_22529_5812024	NC_021161.1	Ca_kabuli_chr02	5812024	AA	GG	1940147509
SNP_P1_22530_5812028	NC_021161.1	Ca_kabuli_chr02	5812028	TT	CC	1940147510
SNP_P1_22532_5843139	NC_021161.1	Ca_kabuli_chr02	5843139	AA	TT	1940147511
SNP_P1_22534_5888010	NC_021161.1	Ca_kabuli_chr02	5888010	TT	CC	1940147512
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SNP_P1_22536_5928723	NC_021161.1	Ca_kabuli_chr02	5928723	GG	AA	1940147514
SNP_P1_22537_5928778	NC_021161.1	Ca_kabuli_chr02	5928778	TT	GG	1940147515
SNP_P1_22540_6020369	NC_021161.1	Ca_kabuli_chr02	6020369	AA	GG	1940147516
SNP_P1_22542_6075357	NC_021161.1	Ca_kabuli_chr02	6075357	CC	TT	1940147517
SNP_P1_22543_6075388	NC_021161.1	Ca_kabuli_chr02	6075388	AA	GG	1940147518
SNP_P1_22544_6075504	NC_021161.1	Ca_kabuli_chr02	6075504	TT	CC	1940147519
SNP_P1_22545_6075580	NC_021161.1	Ca_kabuli_chr02	6075580	AA	GG	1940147520
SNP_P1_22546_6075733	NC_021161.1	Ca_kabuli_chr02	6075733	CC	TT	1940147521
SNP_P1_22547_6075737	NC_021161.1	Ca_kabuli_chr02	6075737	AA	GG	1940147522
SNP_P1_22548_6075882	NC_021161.1	Ca_kabuli_chr02	6075882	GG	TT	1940147523
SNP_P1_22549_6075939	NC_021161.1	Ca_kabuli_chr02	6075939	CC	GG	1940147524
SNP_P1_22550_6076284	NC_021161.1	Ca_kabuli_chr02	6076284	TT	CC	1940147525
SNP_P1_22551_6084462	NC_021161.1	Ca_kabuli_chr02	6084462	TT	CC	1940147526
SNP_P1_22552_6085175	NC_021161.1	Ca_kabuli_chr02	6085175	GG	AA	1940147527
SNP_P1_22553_6100790	NC_021161.1	Ca_kabuli_chr02	6100790	TT	GG	1940147528
SNP_P1_22554_6154846	NC_021161.1	Ca_kabuli_chr02	6154846	CC	TT	1940147529
SNP_P1_22555_6165961	NC_021161.1	Ca_kabuli_chr02	6165961	TT	AA	1940147530

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_22556_6179049	NC_021161.1	Ca_kabuli_chr02	6179049	AA	GG	1940147531
SNP_P1_22558_6180711	NC_021161.1	Ca_kabuli_chr02	6180711	GG	AA	1940147532
SNP_P1_22559_6191507	NC_021161.1	Ca_kabuli_chr02	6191507	AA	GG	1940147533
SNP_P1_22560_6196498	NC_021161.1	Ca_kabuli_chr02	6196498	CC	AA	1940147534
SNP_P1_22561_6222809	NC_021161.1	Ca_kabuli_chr02	6222809	AA	GG	1940147535
SNP_P1_22562_6261723	NC_021161.1	Ca_kabuli_chr02	6261723	AA	GG	1940147536
SNP_P1_22563_6261746	NC_021161.1	Ca_kabuli_chr02	6261746	TT	CC	1940147537
SNP_P1_22564_6262050	NC_021161.1	Ca_kabuli_chr02	6262050	AA	TT	1940147538
SNP_P1_22565_6262274	NC_021161.1	Ca_kabuli_chr02	6262274	TT	GG	1940147540
SNP_P1_22566_6262282	NC_021161.1	Ca_kabuli_chr02	6262282	GG	AA	1940147541
SNP_P1_22567_6262328	NC_021161.1	Ca_kabuli_chr02	6262328	CC	TT	1940147542
SNP_P1_22568_6264185	NC_021161.1	Ca_kabuli_chr02	6264185	TT	CC	1940147543
SNP_P1_22569_6264703	NC_021161.1	Ca_kabuli_chr02	6264703	TT	CC	1940147544
SNP_P1_22570_6281776	NC_021161.1	Ca_kabuli_chr02	6281776	CC	TT	1940147545
SNP_P1_22571_6285360	NC_021161.1	Ca_kabuli_chr02	6285360	GG	AA	1940147546
SNP_P1_22572_6303174	NC_021161.1	Ca_kabuli_chr02	6303174	TT	CC	1940147547
SNP_P1_22574_6312430	NC_021161.1	Ca_kabuli_chr02	6312430	AA	TT	1940147548
SNP_P1_22575_6314721	NC_021161.1	Ca_kabuli_chr02	6314721	AA	GG	1940147549
SNP_P1_22577_6323269	NC_021161.1	Ca_kabuli_chr02	6323269	AA	GG	1940147550
SNP_P1_22578_6329061	NC_021161.1	Ca_kabuli_chr02	6329061	GG	AA	1940147551
SNP_P1_22579_6334362	NC_021161.1	Ca_kabuli_chr02	6334362	CC	AA	1940147552
SNP_P1_22580_6334365	NC_021161.1	Ca_kabuli_chr02	6334365	TT	CC	1940147553
SNP_P1_22581_6334367	NC_021161.1	Ca_kabuli_chr02	6334367	GG	AA	1940147554
SNP_P1_22582_6334408	NC_021161.1	Ca_kabuli_chr02	6334408	TT	GG	1940147555
SNP_P1_22583_6337304	NC_021161.1	Ca_kabuli_chr02	6337304	TT	AA	1940147556
SNP_P1_22585_6386195	NC_021161.1	Ca_kabuli_chr02	6386195	AA	GG	1940147557
SNP_P1_22586_6394550	NC_021161.1	Ca_kabuli_chr02	6394550	AA	TT	1940147558
SNP_P1_22587_6394551	NC_021161.1	Ca_kabuli_chr02	6394551	AA	GG	1940147559
SNP_P1_22588_6412924	NC_021161.1	Ca_kabuli_chr02	6412924	CC	TT	1940147560
SNP_P1_22589_6419716	NC_021161.1	Ca_kabuli_chr02	6419716	GG	TT	1940147561
SNP_P1_22590_6434762	NC_021161.1	Ca_kabuli_chr02	6434762	CC	TT	1940147562
SNP_P1_22592_6455880	NC_021161.1	Ca_kabuli_chr02	6455880	TT	AA	1940147563
SNP_P1_22593_6455882	NC_021161.1	Ca_kabuli_chr02	6455882	AA	CC	1940147564
SNP_P1_22594_6468927	NC_021161.1	Ca_kabuli_chr02	6468927	GG	AA	1940147565
SNP_P1_22598_6518723	NC_021161.1	Ca_kabuli_chr02	6518723	AA	TT	1940147566
SNP_P1_22599_6519178	NC_021161.1	Ca_kabuli_chr02	6519178	CC	TT	1940147567
SNP_P1_22601_6538985	NC_021161.1	Ca_kabuli_chr02	6538985	CC	TT	1940147568
SNP_P1_22602_6618177	NC_021161.1	Ca_kabuli_chr02	6618177	AA	TT	1940147569
SNP_P1_22603_6618242	NC_021161.1	Ca_kabuli_chr02	6618242	CC	AA	1940147570
SNP_P1_22604_6618263	NC_021161.1	Ca_kabuli_chr02	6618263	GG	TT	1940147571
SNP_P1_22605_6618334	NC_021161.1	Ca_kabuli_chr02	6618334	GG	AA	1940147572
SNP_P1_22606_6618369	NC_021161.1	Ca_kabuli_chr02	6618369	AA	GG	1940147573

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22608_6618378	NC_021161.1	Ca_kabuli_chr02	6618378	TT	CC	1940147575
SNP_P1_22610_6638603	NC_021161.1	Ca_kabuli_chr02	6638603	AA	GG	1940147576
SNP_P1_22611_6638757	NC_021161.1	Ca_kabuli_chr02	6638757	TT	GG	1940147578
SNP_P1_22612_6638793	NC_021161.1	Ca_kabuli_chr02	6638793	GG	AA	1940147579
SNP_P1_22613_6639137	NC_021161.1	Ca_kabuli_chr02	6639137	GG	AA	1940147580
SNP_P1_22614_6639244	NC_021161.1	Ca_kabuli_chr02	6639244	AA	CC	1940147581
SNP_P1_22615_6639484	NC_021161.1	Ca_kabuli_chr02	6639484	AA	GG	1940147582
SNP_P1_22616_6639593	NC_021161.1	Ca_kabuli_chr02	6639593	AA	TT	1940147583
SNP_P1_22617_6639623	NC_021161.1	Ca_kabuli_chr02	6639623	CC	TT	1940147584
SNP_P1_22618_6639692	NC_021161.1	Ca_kabuli_chr02	6639692	AA	GG	1940147585
SNP_P1_22620_6640408	NC_021161.1	Ca_kabuli_chr02	6640408	AA	CC	1940147586
SNP_P1_22622_6640498	NC_021161.1	Ca_kabuli_chr02	6640498	AA	CC	1940147587
SNP_P1_22623_6640533	NC_021161.1	Ca_kabuli_chr02	6640533	CC	TT	1940147588
SNP_P1_22624_6640540	NC_021161.1	Ca_kabuli_chr02	6640540	CC	TT	1940147589
SNP_P1_22625_6640571	NC_021161.1	Ca_kabuli_chr02	6640571	AA	GG	1940147590
SNP_P1_22626_6640625	NC_021161.1	Ca_kabuli_chr02	6640625	CC	TT	1940147591
SNP_P1_22627_6640702	NC_021161.1	Ca_kabuli_chr02	6640702	CC	TT	1940147592
SNP_P1_22628_6640760	NC_021161.1	Ca_kabuli_chr02	6640760	AA	GG	1940147593
SNP_P1_22629_6640779	NC_021161.1	Ca_kabuli_chr02	6640779	CC	TT	1940147594
SNP_P1_22630_6640829	NC_021161.1	Ca_kabuli_chr02	6640829	TT	AA	1940147595
SNP_P1_22631_6640852	NC_021161.1	Ca_kabuli_chr02	6640852	CC	TT	1940147596
SNP_P1_22632_6640889	NC_021161.1	Ca_kabuli_chr02	6640889	AA	TT	1940147597
SNP_P1_22633_6640951	NC_021161.1	Ca_kabuli_chr02	6640951	TT	CC	1940147598
SNP_P1_22634_6641068	NC_021161.1	Ca_kabuli_chr02	6641068	AA	GG	1940147599
SNP_P1_22635_6641252	NC_021161.1	Ca_kabuli_chr02	6641252	GG	AA	1940147600
SNP_P1_22636_6641353	NC_021161.1	Ca_kabuli_chr02	6641353	TT	CC	1940147601
SNP_P1_22637_6641462	NC_021161.1	Ca_kabuli_chr02	6641462	CC	AA	1940147602
SNP_P1_22638_6641550	NC_021161.1	Ca_kabuli_chr02	6641550	AA	TT	1940147603
SNP_P1_22639_6641696	NC_021161.1	Ca_kabuli_chr02	6641696	GG	TT	1940147604
SNP_P1_22641_6641754	NC_021161.1	Ca_kabuli_chr02	6641754	TT	CC	1940147605
SNP_P1_22642_6641774	NC_021161.1	Ca_kabuli_chr02	6641774	GG	AA	1940147606
SNP_P1_22643_6641798	NC_021161.1	Ca_kabuli_chr02	6641798	CC	TT	1940147607
SNP_P1_22644_6641799	NC_021161.1	Ca_kabuli_chr02	6641799	GG	AA	1940147608
SNP_P1_22645_6641836	NC_021161.1	Ca_kabuli_chr02	6641836	CC	TT	1940147609
SNP_P1_22647_6642051	NC_021161.1	Ca_kabuli_chr02	6642051	GG	TT	1940147611
SNP_P1_22648_6642168	NC_021161.1	Ca_kabuli_chr02	6642168	CC	AA	1940147612
SNP_P1_22649_6642216	NC_021161.1	Ca_kabuli_chr02	6642216	AA	GG	1940147613
SNP_P1_22650_6642298	NC_021161.1	Ca_kabuli_chr02	6642298	GG	TT	1940147614
SNP_P1_22651_6642359	NC_021161.1	Ca_kabuli_chr02	6642359	AA	CC	1940147615
SNP_P1_22652_6642448	NC_021161.1	Ca_kabuli_chr02	6642448	GG	TT	1940147616
SNP_P1_22653_6642481	NC_021161.1	Ca_kabuli_chr02	6642481	GG	AA	1940147617

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22656_6642720	NC_021161.1	Ca_kabuli_chr02	6642720	CC	TT	1940147619
SNP_P1_22657_6642729	NC_021161.1	Ca_kabuli_chr02	6642729	TT	AA	1940147620
SNP_P1_22658_6642762	NC_021161.1	Ca_kabuli_chr02	6642762	GG	TT	1940147621
SNP_P1_22659_6642785	NC_021161.1	Ca_kabuli_chr02	6642785	AA	TT	1940147622
SNP_P1_22660_6643061	NC_021161.1	Ca_kabuli_chr02	6643061	CC	GG	1940147623
SNP_P1_22661_6643125	NC_021161.1	Ca_kabuli_chr02	6643125	CC	GG	1940147624
SNP_P1_22662_6643264	NC_021161.1	Ca_kabuli_chr02	6643264	TT	AA	1940147625
SNP_P1_22663_6643272	NC_021161.1	Ca_kabuli_chr02	6643272	AA	CC	1940147626
SNP_P1_22664_6643331	NC_021161.1	Ca_kabuli_chr02	6643331	CC	AA	1940147627
SNP_P1_22665_6643355	NC_021161.1	Ca_kabuli_chr02	6643355	AA	GG	1940147628
SNP_P1_22666_6643418	NC_021161.1	Ca_kabuli_chr02	6643418	CC	TT	1940147629
SNP_P1_22667_6643563	NC_021161.1	Ca_kabuli_chr02	6643563	AA	TT	1940147630
SNP_P1_22668_6643589	NC_021161.1	Ca_kabuli_chr02	6643589	CC	TT	1940147631
SNP_P1_22670_6643784	NC_021161.1	Ca_kabuli_chr02	6643784	CC	TT	1940147632
SNP_P1_22672_6644621	NC_021161.1	Ca_kabuli_chr02	6644621	GG	AA	1940147633
SNP_P1_22673_6644812	NC_021161.1	Ca_kabuli_chr02	6644812	CC	GG	1940147634
SNP_P1_22674_6644903	NC_021161.1	Ca_kabuli_chr02	6644903	AA	CC	1940147635
SNP_P1_22675_6644904	NC_021161.1	Ca_kabuli_chr02	6644904	CC	TT	1940147636
SNP_P1_22676_6644964	NC_021161.1	Ca_kabuli_chr02	6644964	TT	CC	1940147637
SNP_P1_22677_6645015	NC_021161.1	Ca_kabuli_chr02	6645015	TT	CC	1940147638
SNP_P1_22678_6645276	NC_021161.1	Ca_kabuli_chr02	6645276	AA	GG	1940147639
SNP_P1_22679_6645291	NC_021161.1	Ca_kabuli_chr02	6645291	AA	GG	1940147641
SNP_P1_22680_6645326	NC_021161.1	Ca_kabuli_chr02	6645326	CC	AA	1940147642
SNP_P1_22681_6645327	NC_021161.1	Ca_kabuli_chr02	6645327	CC	TT	1940147643
SNP_P1_22682_6645438	NC_021161.1	Ca_kabuli_chr02	6645438	CC	TT	1940147644
SNP_P1_22683_6645440	NC_021161.1	Ca_kabuli_chr02	6645440	AA	GG	1940147645
SNP_P1_22684_6645522	NC_021161.1	Ca_kabuli_chr02	6645522	TT	CC	1940147646
SNP_P1_22685_6645608	NC_021161.1	Ca_kabuli_chr02	6645608	AA	GG	1940147647
SNP_P1_22686_6645737	NC_021161.1	Ca_kabuli_chr02	6645737	CC	GG	1940147648
SNP_P1_22687_6645747	NC_021161.1	Ca_kabuli_chr02	6645747	TT	AA	1940147649
SNP_P1_22688_6646210	NC_021161.1	Ca_kabuli_chr02	6646210	GG	AA	1940147650
SNP_P1_22689_6647635	NC_021161.1	Ca_kabuli_chr02	6647635	TT	GG	1940147651
SNP_P1_22691_6647785	NC_021161.1	Ca_kabuli_chr02	6647785	GG	TT	1940147652
SNP_P1_22692_6648078	NC_021161.1	Ca_kabuli_chr02	6648078	TT	CC	1940147653
SNP_P1_22693_6648216	NC_021161.1	Ca_kabuli_chr02	6648216	TT	CC	1940147654
SNP_P1_22695_6648858	NC_021161.1	Ca_kabuli_chr02	6648858	AA	GG	1940147655
SNP_P1_22697_6649692	NC_021161.1	Ca_kabuli_chr02	6649692	GG	TT	1940147656
SNP_P1_22698_6649839	NC_021161.1	Ca_kabuli_chr02	6649839	AA	TT	1940147658
SNP_P1_22699_6650404	NC_021161.1	Ca_kabuli_chr02	6650404	GG	AA	1940147659
SNP_P1_22700_6650405	NC_021161.1	Ca_kabuli_chr02	6650405	CC	TT	1940147660
SNP_P1_22701_6655678	NC_021161.1	Ca_kabuli_chr02	6655678	GG	AA	1940147661

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22704_6656148	NC_021161.1	Ca_kabuli_chr02	6656148	GG	CC	1940147663
SNP_P1_22705_6656227	NC_021161.1	Ca_kabuli_chr02	6656227	TT	GG	1940147664
SNP_P1_22706_6656417	NC_021161.1	Ca_kabuli_chr02	6656417	CC	TT	1940147665
SNP_P1_22707_6657701	NC_021161.1	Ca_kabuli_chr02	6657701	CC	TT	1940147666
SNP_P1_22708_6657739	NC_021161.1	Ca_kabuli_chr02	6657739	TT	AA	1940147667
SNP_P1_22709_6657743	NC_021161.1	Ca_kabuli_chr02	6657743	CC	TT	1940147668
SNP_P1_22710_6657746	NC_021161.1	Ca_kabuli_chr02	6657746	TT	CC	1940147669
SNP_P1_22711_6657747	NC_021161.1	Ca_kabuli_chr02	6657747	TT	AA	1940147670
SNP_P1_22712_6657748	NC_021161.1	Ca_kabuli_chr02	6657748	TT	AA	1940147672
SNP_P1_22713_6657797	NC_021161.1	Ca_kabuli_chr02	6657797	AA	CC	1940147673
SNP_P1_22714_6657947	NC_021161.1	Ca_kabuli_chr02	6657947	TT	AA	1940147674
SNP_P1_22715_6658111	NC_021161.1	Ca_kabuli_chr02	6658111	CC	GG	1940147675
SNP_P1_22716_6659104	NC_021161.1	Ca_kabuli_chr02	6659104	CC	TT	1940147676
SNP_P1_22717_6659142	NC_021161.1	Ca_kabuli_chr02	6659142	TT	GG	1940147677
SNP_P1_22719_6659310	NC_021161.1	Ca_kabuli_chr02	6659310	GG	AA	1940147678
SNP_P1_22720_6659340	NC_021161.1	Ca_kabuli_chr02	6659340	TT	AA	1940147679
SNP_P1_22721_6659360	NC_021161.1	Ca_kabuli_chr02	6659360	AA	GG	1940147680
SNP_P1_22722_6659377	NC_021161.1	Ca_kabuli_chr02	6659377	GG	CC	1940147681
SNP_P1_22723_6659446	NC_021161.1	Ca_kabuli_chr02	6659446	GG	CC	1940147682
SNP_P1_22724_6659531	NC_021161.1	Ca_kabuli_chr02	6659531	AA	GG	1940147683
SNP_P1_22725_6659541	NC_021161.1	Ca_kabuli_chr02	6659541	TT	GG	1940147684
SNP_P1_22726_6668360	NC_021161.1	Ca_kabuli_chr02	6668360	TT	CC	1940147685
SNP_P1_22727_6670897	NC_021161.1	Ca_kabuli_chr02	6670897	TT	AA	1940147686
SNP_P1_22728_6674230	NC_021161.1	Ca_kabuli_chr02	6674230	TT	CC	1940147687
SNP_P1_22729_6676752	NC_021161.1	Ca_kabuli_chr02	6676752	CC	TT	1940147688
SNP_P1_22731_6681008	NC_021161.1	Ca_kabuli_chr02	6681008	GG	TT	1940147689
SNP_P1_22732_6681207	NC_021161.1	Ca_kabuli_chr02	6681207	CC	TT	1940147690
SNP_P1_22733_6681280	NC_021161.1	Ca_kabuli_chr02	6681280	GG	AA	1940147691
SNP_P1_22734_6681366	NC_021161.1	Ca_kabuli_chr02	6681366	GG	AA	1940147693
SNP_P1_22735_6681371	NC_021161.1	Ca_kabuli_chr02	6681371	CC	TT	1940147694
SNP_P1_22736_6681468	NC_021161.1	Ca_kabuli_chr02	6681468	AA	CC	1940147695
SNP_P1_22737_6681481	NC_021161.1	Ca_kabuli_chr02	6681481	AA	TT	1940147696
SNP_P1_22738_6685095	NC_021161.1	Ca_kabuli_chr02	6685095	GG	AA	1940147697
SNP_P1_22739_6687460	NC_021161.1	Ca_kabuli_chr02	6687460	CC	TT	1940147698
SNP_P1_22740_6687463	NC_021161.1	Ca_kabuli_chr02	6687463	CC	TT	1940147699
SNP_P1_22741_6687519	NC_021161.1	Ca_kabuli_chr02	6687519	AA	TT	1940147700
SNP_P1_22742_6687523	NC_021161.1	Ca_kabuli_chr02	6687523	CC	TT	1940147701
SNP_P1_22743_6687530	NC_021161.1	Ca_kabuli_chr02	6687530	TT	GG	1940147702
SNP_P1_22744_6687598	NC_021161.1	Ca_kabuli_chr02	6687598	GG	AA	1940147703
SNP_P1_22745_6687606	NC_021161.1	Ca_kabuli_chr02	6687606	CC	TT	1940147704
SNP_P1_22746_6687616	NC_021161.1	Ca_kabuli_chr02	6687616	AA	GG	1940147705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22748_6687638	NC_021161.1	Ca_kabuli_chr02	6687638	TT	GG	1940147707
SNP_P1_22749_6687791	NC_021161.1	Ca_kabuli_chr02	6687791	AA	GG	1940147708
SNP_P1_22750_6689904	NC_021161.1	Ca_kabuli_chr02	6689904	TT	CC	1940147709
SNP_P1_22751_6690146	NC_021161.1	Ca_kabuli_chr02	6690146	GG	AA	1940147710
SNP_P1_22752_6691892	NC_021161.1	Ca_kabuli_chr02	6691892	TT	GG	1940147711
SNP_P1_22753_6691903	NC_021161.1	Ca_kabuli_chr02	6691903	AA	GG	1940147712
SNP_P1_22754_6691922	NC_021161.1	Ca_kabuli_chr02	6691922	AA	GG	1940147713
SNP_P1_22755_6691932	NC_021161.1	Ca_kabuli_chr02	6691932	GG	AA	1940147714
SNP_P1_22756_6691939	NC_021161.1	Ca_kabuli_chr02	6691939	GG	TT	1940147715
SNP_P1_22757_6691990	NC_021161.1	Ca_kabuli_chr02	6691990	GG	AA	1940147716
SNP_P1_22758_6691997	NC_021161.1	Ca_kabuli_chr02	6691997	AA	GG	1940147717
SNP_P1_22759_6692024	NC_021161.1	Ca_kabuli_chr02	6692024	AA	GG	1940147718
SNP_P1_22760_6692071	NC_021161.1	Ca_kabuli_chr02	6692071	AA	GG	1940147719
SNP_P1_22761_6692084	NC_021161.1	Ca_kabuli_chr02	6692084	GG	CC	1940147720
SNP_P1_22762_6692115	NC_021161.1	Ca_kabuli_chr02	6692115	AA	TT	1940147721
SNP_P1_22763_6692117	NC_021161.1	Ca_kabuli_chr02	6692117	TT	CC	1940147722
SNP_P1_22765_6719440	NC_021161.1	Ca_kabuli_chr02	6719440	AA	GG	1940147723
SNP_P1_22766_6725963	NC_021161.1	Ca_kabuli_chr02	6725963	AA	GG	1940147724
SNP_P1_22771_6774438	NC_021161.1	Ca_kabuli_chr02	6774438	GG	AA	1940147726
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SNP_P1_22780_6814120	NC_021161.1	Ca_kabuli_chr02	6814120	CC	TT	1940147735
SNP_P1_22781_6814176	NC_021161.1	Ca_kabuli_chr02	6814176	GG	AA	1940147736
SNP_P1_22782_6814275	NC_021161.1	Ca_kabuli_chr02	6814275	TT	AA	1940147737
SNP_P1_22784_6815088	NC_021161.1	Ca_kabuli_chr02	6815088	AA	CC	1940147738
SNP_P1_22785_6815091	NC_021161.1	Ca_kabuli_chr02	6815091	TT	CC	1940147739
SNP_P1_22786_6815432	NC_021161.1	Ca_kabuli_chr02	6815432	AA	GG	1940147740
SNP_P1_22787_6815464	NC_021161.1	Ca_kabuli_chr02	6815464	TT	CC	1940147741
SNP_P1_22788_6815526	NC_021161.1	Ca_kabuli_chr02	6815526	GG	AA	1940147742
SNP_P1_22789_6815638	NC_021161.1	Ca_kabuli_chr02	6815638	TT	CC	1940147743
SNP_P1_22790_6820298	NC_021161.1	Ca_kabuli_chr02	6820298	AA	TT	1940147744
SNP_P1_22791_6820441	NC_021161.1	Ca_kabuli_chr02	6820441	AA	GG	1940147745
SNP_P1_22792_6820527	NC_021161.1	Ca_kabuli_chr02	6820527	AA	CC	1940147746
SNP_P1_22793_6828384	NC_021161.1	Ca_kabuli_chr02	6828384	CC	TT	1940147747
SNP_P1_22794_6828416	NC_021161.1	Ca_kabuli_chr02	6828416	GG	AA	1940147748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22799_7002435	NC_021161.1	Ca_kabuli_chr02	7002435	AA	GG	1940147751
SNP_P1_22800_7002762	NC_021161.1	Ca_kabuli_chr02	7002762	AA	CC	1940147752
SNP_P1_22801_7002766	NC_021161.1	Ca_kabuli_chr02	7002766	GG	AA	1940147753
SNP_P1_22802_7002777	NC_021161.1	Ca_kabuli_chr02	7002777	GG	TT	1940147754
SNP_P1_22803_7002783	NC_021161.1	Ca_kabuli_chr02	7002783	TT	GG	1940147755
SNP_P1_22804_7002821	NC_021161.1	Ca_kabuli_chr02	7002821	CC	TT	1940147756
SNP_P1_22805_7002840	NC_021161.1	Ca_kabuli_chr02	7002840	CC	TT	1940147757
SNP_P1_22806_7002851	NC_021161.1	Ca_kabuli_chr02	7002851	GG	AA	1940147758
SNP_P1_22807_7062743	NC_021161.1	Ca_kabuli_chr02	7062743	TT	GG	1940147759
SNP_P1_22808_7062808	NC_021161.1	Ca_kabuli_chr02	7062808	AA	GG	1940147761
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SNP_P1_22810_7075498	NC_021161.1	Ca_kabuli_chr02	7075498	GG	TT	1940147763
SNP_P1_22811_7075601	NC_021161.1	Ca_kabuli_chr02	7075601	AA	GG	1940147764
SNP_P1_22812_7075735	NC_021161.1	Ca_kabuli_chr02	7075735	TT	CC	1940147765
SNP_P1_22813_7075749	NC_021161.1	Ca_kabuli_chr02	7075749	AA	TT	1940147766
SNP_P1_22814_7075939	NC_021161.1	Ca_kabuli_chr02	7075939	AA	GG	1940147767
SNP_P1_22815_7076115	NC_021161.1	Ca_kabuli_chr02	7076115	AA	GG	1940147768
SNP_P1_22816_7076197	NC_021161.1	Ca_kabuli_chr02	7076197	TT	GG	1940147769
SNP_P1_22817_7076985	NC_021161.1	Ca_kabuli_chr02	7076985	AA	CC	1940147770
SNP_P1_22819_7126937	NC_021161.1	Ca_kabuli_chr02	7126937	GG	AA	1940147771
SNP_P1_22821_7154425	NC_021161.1	Ca_kabuli_chr02	7154425	TT	AA	1940147772
SNP_P1_22822_7171728	NC_021161.1	Ca_kabuli_chr02	7171728	AA	CC	1940147773
SNP_P1_22825_7171984	NC_021161.1	Ca_kabuli_chr02	7171984	TT	CC	1940147774
SNP_P1_22828_7172745	NC_021161.1	Ca_kabuli_chr02	7172745	CC	TT	1940147775
SNP_P1_22829_7173097	NC_021161.1	Ca_kabuli_chr02	7173097	AA	TT	1940147776
SNP_P1_22831_7177323	NC_021161.1	Ca_kabuli_chr02	7177323	CC	AA	1940147777
SNP_P1_22832_7177569	NC_021161.1	Ca_kabuli_chr02	7177569	GG	CC	1940147778
SNP_P1_22833_7189623	NC_021161.1	Ca_kabuli_chr02	7189623	AA	GG	1940147779
SNP_P1_22834_7189794	NC_021161.1	Ca_kabuli_chr02	7189794	GG	AA	1940147780
SNP_P1_22835_7226281	NC_021161.1	Ca_kabuli_chr02	7226281	GG	AA	1940147781
SNP_P1_22836_7226335	NC_021161.1	Ca_kabuli_chr02	7226335	CC	GG	1940147782
SNP_P1_22837_7243217	NC_021161.1	Ca_kabuli_chr02	7243217	AA	GG	1940147783
SNP_P1_22838_7256656	NC_021161.1	Ca_kabuli_chr02	7256656	AA	CC	1940147784
SNP_P1_22839_7256688	NC_021161.1	Ca_kabuli_chr02	7256688	AA	GG	1940147785
SNP_P1_22840_7256769	NC_021161.1	Ca_kabuli_chr02	7256769	TT	CC	1940147786
SNP_P1_22841_7261353	NC_021161.1	Ca_kabuli_chr02	7261353	GG	AA	1940147787
SNP_P1_22842_7261687	NC_021161.1	Ca_kabuli_chr02	7261687	CC	AA	1940147788
SNP_P1_22843_7275018	NC_021161.1	Ca_kabuli_chr02	7275018	AA	TT	1940147789
SNP_P1_22844_7275026	NC_021161.1	Ca_kabuli_chr02	7275026	AA	GG	1940147790
SNP_P1_22846_7278265	NC_021161.1	Ca_kabuli_chr02	7278265	GG	AA	1940147791

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22849_7279969	NC_021161.1	Ca_kabuli_chr02	7279969	TT	AA	1940147794
SNP_P1_22850_7280117	NC_021161.1	Ca_kabuli_chr02	7280117	CC	AA	1940147795
SNP_P1_22851_7280130	NC_021161.1	Ca_kabuli_chr02	7280130	AA	GG	1940147796
SNP_P1_22852_7280160	NC_021161.1	Ca_kabuli_chr02	7280160	AA	GG	1940147797
SNP_P1_22853_7280227	NC_021161.1	Ca_kabuli_chr02	7280227	GG	AA	1940147798
SNP_P1_22854_7280301	NC_021161.1	Ca_kabuli_chr02	7280301	GG	AA	1940147799
SNP_P1_22856_7321905	NC_021161.1	Ca_kabuli_chr02	7321905	AA	GG	1940147801
SNP_P1_22857_7322236	NC_021161.1	Ca_kabuli_chr02	7322236	TT	CC	1940147802
SNP_P1_22858_7322244	NC_021161.1	Ca_kabuli_chr02	7322244	TT	CC	1940147803
SNP_P1_22859_7339716	NC_021161.1	Ca_kabuli_chr02	7339716	GG	AA	1940147804
SNP_P1_22860_7339768	NC_021161.1	Ca_kabuli_chr02	7339768	TT	CC	1940147805
SNP_P1_22861_7339997	NC_021161.1	Ca_kabuli_chr02	7339997	AA	GG	1940147806
SNP_P1_22862_7340814	NC_021161.1	Ca_kabuli_chr02	7340814	TT	GG	1940147807
SNP_P1_22863_7340822	NC_021161.1	Ca_kabuli_chr02	7340822	AA	GG	1940147808
SNP_P1_22865_7340976	NC_021161.1	Ca_kabuli_chr02	7340976	GG	AA	1940147809
SNP_P1_22866_7343804	NC_021161.1	Ca_kabuli_chr02	7343804	GG	AA	1940147810
SNP_P1_22867_7346317	NC_021161.1	Ca_kabuli_chr02	7346317	GG	AA	1940147811
SNP_P1_22868_7346319	NC_021161.1	Ca_kabuli_chr02	7346319	GG	TT	1940147812
SNP_P1_22869_7349219	NC_021161.1	Ca_kabuli_chr02	7349219	GG	CC	1940147813
SNP_P1_22870_7362480	NC_021161.1	Ca_kabuli_chr02	7362480	TT	CC	1940147814
SNP_P1_22871_7362518	NC_021161.1	Ca_kabuli_chr02	7362518	GG	AA	1940147815
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SNP_P1_22877_7446120	NC_021161.1	Ca_kabuli_chr02	7446120	GG	AA	1940147821
SNP_P1_22878_7447427	NC_021161.1	Ca_kabuli_chr02	7447427	TT	CC	1940147822
SNP_P1_22879_7458602	NC_021161.1	Ca_kabuli_chr02	7458602	GG	TT	1940147823
SNP_P1_22880_7464850	NC_021161.1	Ca_kabuli_chr02	7464850	TT	GG	1940147824
SNP_P1_22881_7464854	NC_021161.1	Ca_kabuli_chr02	7464854	AA	TT	1940147825
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SNP_P1_22885_7490457	NC_021161.1	Ca_kabuli_chr02	7490457	CC	TT	1940147828
SNP_P1_22886_7519658	NC_021161.1	Ca_kabuli_chr02	7519658	TT	CC	1940147829
SNP_P1_22887_7521222	NC_021161.1	Ca_kabuli_chr02	7521222	GG	AA	1940147830
SNP_P1_22888_7521711	NC_021161.1	Ca_kabuli_chr02	7521711	GG	AA	1940147831
SNP_P1_22889_7524577	NC_021161.1	Ca_kabuli_chr02	7524577	TT	AA	1940147832
SNP_P1_22890_7524582	NC_021161.1	Ca_kabuli_chr02	7524582	GG	AA	1940147833
SNP_P1_22891_7524624	NC_021161.1	Ca_kabuli_chr02	7524624	TT	GG	1940147834
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22895_7524644	NC_021161.1	Ca_kabuli_chr02	7524644	TT	AA	1940147839
SNP_P1_22896_7524674	NC_021161.1	Ca_kabuli_chr02	7524674	AA	GG	1940147840
SNP_P1_22897_7524675	NC_021161.1	Ca_kabuli_chr02	7524675	CC	TT	1940147841
SNP_P1_22898_7524676	NC_021161.1	Ca_kabuli_chr02	7524676	AA	GG	1940147842
SNP_P1_22899_7524717	NC_021161.1	Ca_kabuli_chr02	7524717	AA	GG	1940147843
SNP_P1_22900_7524781	NC_021161.1	Ca_kabuli_chr02	7524781	TT	GG	1940147844
SNP_P1_22901_7524804	NC_021161.1	Ca_kabuli_chr02	7524804	CC	TT	1940147845
SNP_P1_22902_7524835	NC_021161.1	Ca_kabuli_chr02	7524835	AA	GG	1940147847
SNP_P1_22903_7524991	NC_021161.1	Ca_kabuli_chr02	7524991	TT	CC	1940147848
SNP_P1_22904_7525000	NC_021161.1	Ca_kabuli_chr02	7525000	AA	TT	1940147849
SNP_P1_22905_7525006	NC_021161.1	Ca_kabuli_chr02	7525006	CC	TT	1940147850
SNP_P1_22906_7525096	NC_021161.1	Ca_kabuli_chr02	7525096	TT	CC	1940147851
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SNP_P1_22908_7525144	NC_021161.1	Ca_kabuli_chr02	7525144	CC	GG	1940147853
SNP_P1_22909_7525216	NC_021161.1	Ca_kabuli_chr02	7525216	TT	AA	1940147854
SNP_P1_22910_7525247	NC_021161.1	Ca_kabuli_chr02	7525247	AA	GG	1940147855
SNP_P1_22911_7525264	NC_021161.1	Ca_kabuli_chr02	7525264	TT	CC	1940147856
SNP_P1_22912_7531487	NC_021161.1	Ca_kabuli_chr02	7531487	CC	TT	1940147857
SNP_P1_22917_7566726	NC_021161.1	Ca_kabuli_chr02	7566726	TT	CC	1940147858
SNP_P1_22918_7567409	NC_021161.1	Ca_kabuli_chr02	7567409	TT	GG	1940147859
SNP_P1_22920_7574703	NC_021161.1	Ca_kabuli_chr02	7574703	AA	GG	1940147860
SNP_P1_22921_7582474	NC_021161.1	Ca_kabuli_chr02	7582474	AA	GG	1940147861
SNP_P1_22922_7589929	NC_021161.1	Ca_kabuli_chr02	7589929	AA	GG	1940147862
SNP_P1_22923_7589939	NC_021161.1	Ca_kabuli_chr02	7589939	AA	CC	1940147863
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SNP_P1_22929_7614447	NC_021161.1	Ca_kabuli_chr02	7614447	TT	AA	1940147867
SNP_P1_22930_7614545	NC_021161.1	Ca_kabuli_chr02	7614545	TT	CC	1940147868
SNP_P1_22931_7614548	NC_021161.1	Ca_kabuli_chr02	7614548	CC	TT	1940147869
SNP_P1_22932_7614741	NC_021161.1	Ca_kabuli_chr02	7614741	TT	CC	1940147870
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SNP_P1_22934_7614778	NC_021161.1	Ca_kabuli_chr02	7614778	GG	AA	1940147872
SNP_P1_22937_7629344	NC_021161.1	Ca_kabuli_chr02	7629344	CC	TT	1940147873
SNP_P1_22938_7634836	NC_021161.1	Ca_kabuli_chr02	7634836	CC	GG	1940147874
SNP_P1_22939_7639252	NC_021161.1	Ca_kabuli_chr02	7639252	AA	TT	1940147875
SNP_P1_22940_7645538	NC_021161.1	Ca_kabuli_chr02	7645538	TT	CC	1940147876
SNP_P1_22941_7646975	NC_021161.1	Ca_kabuli_chr02	7646975	TT	GG	1940147877
SNP_P1_22942_7646977	NC_021161.1	Ca_kabuli_chr02	7646977	TT	AA	1940147878
SNP_P1_22943_7653756	NC_021161.1	Ca_kabuli_chr02	7653756	GG	TT	1940147880

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22946_7654195	NC_021161.1	Ca_kabuli_chr02	7654195	CC	TT	1940147883
SNP_P1_22947_7654206	NC_021161.1	Ca_kabuli_chr02	7654206	GG	AA	1940147884
SNP_P1_22948_7654222	NC_021161.1	Ca_kabuli_chr02	7654222	TT	CC	1940147885
SNP_P1_22949_7654280	NC_021161.1	Ca_kabuli_chr02	7654280	CC	TT	1940147886
SNP_P1_22950_7654329	NC_021161.1	Ca_kabuli_chr02	7654329	TT	CC	1940147887
SNP_P1_22952_7654382	NC_021161.1	Ca_kabuli_chr02	7654382	TT	AA	1940147888
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SNP_P1_22963_7654981	NC_021161.1	Ca_kabuli_chr02	7654981	AA	TT	1940147898
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SNP_P1_22990_7667764	NC_021161.1	Ca_kabuli_chr02	7667764	TT	AA	1940147920
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SNP_P1_22993_7671033	NC_021161.1	Ca_kabuli_chr02	7671033	CC	TT	1940147922
SNP_P1_22994_7671051	NC_021161.1	Ca_kabuli_chr02	7671051	AA	GG	1940147923

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_22998_7671607	NC_021161.1	Ca_kabuli_chr02	7671607	GG	AA	1940147927
SNP_P1_22999_7671643	NC_021161.1	Ca_kabuli_chr02	7671643	TT	CC	1940147928
SNP_P1_23001_7672280	NC_021161.1	Ca_kabuli_chr02	7672280	AA	GG	1940147929
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SNP_P1_23015_7676100	NC_021161.1	Ca_kabuli_chr02	7676100	AA	GG	1940147940
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SNP_P1_23019_7677100	NC_021161.1	Ca_kabuli_chr02	7677100	TT	CC	1940147942
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SNP_P1_23036_7680685	NC_021161.1	Ca_kabuli_chr02	7680685	TT	GG	1940147957
SNP_P1_23037_7680689	NC_021161.1	Ca_kabuli_chr02	7680689	CC	TT	1940147958
SNP_P1_23038_7681665	NC_021161.1	Ca_kabuli_chr02	7681665	CC	TT	1940147959
SNP_P1_23041_7682100	NC_021161.1	Ca_kabuli_chr02	7682100	AA	CC	1940147960
SNP_P1_23042_7682310	NC_021161.1	Ca_kabuli_chr02	7682310	AA	CC	1940147961
SNP_P1_23043_7683192	NC_021161.1	Ca_kabuli_chr02	7683192	CC	TT	1940147962
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SNP_P1_23045_7684146	NC_021161.1	Ca_kabuli_chr02	7684146	GG	AA	1940147964
SNP_P1_23047_7684565	NC_021161.1	Ca_kabuli_chr02	7684565	TT	CC	1940147965
SNP_P1_23050_7684791	NC_021161.1	Ca_kabuli_chr02	7684791	TT	AA	1940147966

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_23051_7685067	NC_021161.1	Ca_kabuli_chr02	7685067	TT	CC	1940147967
SNP_P1_23052_7686563	NC_021161.1	Ca_kabuli_chr02	7686563	CC	GG	1940147968
SNP_P1_23053_7686703	NC_021161.1	Ca_kabuli_chr02	7686703	GG	AA	1940147969
SNP_P1_23054_7688019	NC_021161.1	Ca_kabuli_chr02	7688019	TT	CC	1940147970
SNP_P1_23055_7691393	NC_021161.1	Ca_kabuli_chr02	7691393	TT	CC	1940147971
SNP_P1_23056_7691410	NC_021161.1	Ca_kabuli_chr02	7691410	GG	TT	1940147972
SNP_P1_23057_7691414	NC_021161.1	Ca_kabuli_chr02	7691414	CC	GG	1940147973
SNP_P1_23058_7691415	NC_021161.1	Ca_kabuli_chr02	7691415	TT	CC	1940147974
SNP_P1_23059_7691418	NC_021161.1	Ca_kabuli_chr02	7691418	AA	GG	1940147975
SNP_P1_23060_7691448	NC_021161.1	Ca_kabuli_chr02	7691448	TT	CC	1940147976
SNP_P1_23061_7691458	NC_021161.1	Ca_kabuli_chr02	7691458	GG	AA	1940147977
SNP_P1_23062_7691463	NC_021161.1	Ca_kabuli_chr02	7691463	TT	CC	1940147978
SNP_P1_23063_7691578	NC_021161.1	Ca_kabuli_chr02	7691578	TT	CC	1940147979
SNP_P1_23064_7691910	NC_021161.1	Ca_kabuli_chr02	7691910	CC	TT	1940147980
SNP_P1_23065_7694640	NC_021161.1	Ca_kabuli_chr02	7694640	AA	GG	1940147981
SNP_P1_23070_7700228	NC_021161.1	Ca_kabuli_chr02	7700228	TT	AA	1940147982
SNP_P1_23071_7702066	NC_021161.1	Ca_kabuli_chr02	7702066	AA	GG	1940147983
SNP_P1_23072_7702084	NC_021161.1	Ca_kabuli_chr02	7702084	CC	AA	1940147984
SNP_P1_23073_7702089	NC_021161.1	Ca_kabuli_chr02	7702089	AA	TT	1940147985
SNP_P1_23074_7702285	NC_021161.1	Ca_kabuli_chr02	7702285	CC	TT	1940147986
SNP_P1_23075_7702328	NC_021161.1	Ca_kabuli_chr02	7702328	GG	CC	1940147987
SNP_P1_23076_7703082	NC_021161.1	Ca_kabuli_chr02	7703082	AA	GG	1940147988
SNP_P1_23077_7703406	NC_021161.1	Ca_kabuli_chr02	7703406	TT	GG	1940147989
SNP_P1_23079_7703731	NC_021161.1	Ca_kabuli_chr02	7703731	TT	AA	1940147990
SNP_P1_23081_7704045	NC_021161.1	Ca_kabuli_chr02	7704045	GG	TT	1940147991
SNP_P1_23082_7704288	NC_021161.1	Ca_kabuli_chr02	7704288	TT	AA	1940147992
SNP_P1_23083_7704915	NC_021161.1	Ca_kabuli_chr02	7704915	GG	AA	1940147993
SNP_P1_23084_7705163	NC_021161.1	Ca_kabuli_chr02	7705163	GG	AA	1940147994
SNP_P1_23085_7705251	NC_021161.1	Ca_kabuli_chr02	7705251	TT	CC	1940147995
SNP_P1_23086_7705431	NC_021161.1	Ca_kabuli_chr02	7705431	CC	TT	1940147996
SNP_P1_23088_7705682	NC_021161.1	Ca_kabuli_chr02	7705682	GG	AA	1940147997
SNP_P1_23089_7705683	NC_021161.1	Ca_kabuli_chr02	7705683	AA	GG	1940147998
SNP_P1_23090_7706162	NC_021161.1	Ca_kabuli_chr02	7706162	TT	AA	1940147999
SNP_P1_23093_7706566	NC_021161.1	Ca_kabuli_chr02	7706566	GG	AA	1940148000
SNP_P1_23094_7707385	NC_021161.1	Ca_kabuli_chr02	7707385	TT	AA	1940148002
SNP_P1_23095_7707544	NC_021161.1	Ca_kabuli_chr02	7707544	AA	GG	1940148003
SNP_P1_23096_7707551	NC_021161.1	Ca_kabuli_chr02	7707551	AA	TT	1940148004
SNP_P1_23097_7707684	NC_021161.1	Ca_kabuli_chr02	7707684	AA	GG	1940148005
SNP_P1_23098_7707790	NC_021161.1	Ca_kabuli_chr02	7707790	GG	TT	1940148006
SNP_P1_23102_7707936	NC_021161.1	Ca_kabuli_chr02	7707936	AA	CC	1940148007
SNP_P1_23103_7707942	NC_021161.1	Ca_kabuli_chr02	7707942	TT	GG	1940148008
SNP_P1_23105_7708079	NC_021161.1	Ca_kabuli_chr02	7708079	AA	GG	1940148009

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_23106_7708252	NC_021161.1	Ca_kabuli_chr02	7708252	GG	TT	1940148010
SNP_P1_23107_7708268	NC_021161.1	Ca_kabuli_chr02	7708268	AA	GG	1940148011
SNP_P1_23108_7708270	NC_021161.1	Ca_kabuli_chr02	7708270	GG	AA	1940148012
SNP_P1_23109_7708274	NC_021161.1	Ca_kabuli_chr02	7708274	AA	GG	1940148013
SNP_P1_23110_7709504	NC_021161.1	Ca_kabuli_chr02	7709504	AA	GG	1940148014
SNP_P1_23111_7709527	NC_021161.1	Ca_kabuli_chr02	7709527	GG	AA	1940148015
SNP_P1_23112_7709533	NC_021161.1	Ca_kabuli_chr02	7709533	GG	AA	1940148016
SNP_P1_23113_7709844	NC_021161.1	Ca_kabuli_chr02	7709844	TT	GG	1940148017
SNP_P1_23115_7709942	NC_021161.1	Ca_kabuli_chr02	7709942	GG	CC	1940148018
SNP_P1_23116_7710544	NC_021161.1	Ca_kabuli_chr02	7710544	AA	GG	1940148019
SNP_P1_23117_7711949	NC_021161.1	Ca_kabuli_chr02	7711949	TT	GG	1940148020
SNP_P1_23118_7712262	NC_021161.1	Ca_kabuli_chr02	7712262	AA	GG	1940148021
SNP_P1_23119_7712313	NC_021161.1	Ca_kabuli_chr02	7712313	TT	CC	1940148022
SNP_P1_23120_7713953	NC_021161.1	Ca_kabuli_chr02	7713953	GG	AA	1940148023
SNP_P1_23121_7713962	NC_021161.1	Ca_kabuli_chr02	7713962	CC	GG	1940148024
SNP_P1_23122_7714061	NC_021161.1	Ca_kabuli_chr02	7714061	TT	AA	1940148025
SNP_P1_23124_7714454	NC_021161.1	Ca_kabuli_chr02	7714454	AA	GG	1940148026
SNP_P1_23125_7714463	NC_021161.1	Ca_kabuli_chr02	7714463	TT	CC	1940148027
SNP_P1_23126_7714488	NC_021161.1	Ca_kabuli_chr02	7714488	GG	AA	1940148028
SNP_P1_23127_7714491	NC_021161.1	Ca_kabuli_chr02	7714491	TT	CC	1940148029
SNP_P1_23128_7714495	NC_021161.1	Ca_kabuli_chr02	7714495	AA	GG	1940148030
SNP_P1_23129_7714499	NC_021161.1	Ca_kabuli_chr02	7714499	TT	CC	1940148031
SNP_P1_23130_7714506	NC_021161.1	Ca_kabuli_chr02	7714506	CC	AA	1940148032
SNP_P1_23131_7715217	NC_021161.1	Ca_kabuli_chr02	7715217	GG	AA	1940148033
SNP_P1_23132_7715257	NC_021161.1	Ca_kabuli_chr02	7715257	GG	AA	1940148034
SNP_P1_23133_7715365	NC_021161.1	Ca_kabuli_chr02	7715365	CC	TT	1940148035
SNP_P1_23134_7715429	NC_021161.1	Ca_kabuli_chr02	7715429	AA	GG	1940148036
SNP_P1_23135_7715446	NC_021161.1	Ca_kabuli_chr02	7715446	AA	GG	1940148037
SNP_P1_23136_7715484	NC_021161.1	Ca_kabuli_chr02	7715484	GG	TT	1940148039
SNP_P1_23137_7715625	NC_021161.1	Ca_kabuli_chr02	7715625	TT	AA	1940148040
SNP_P1_23138_7715714	NC_021161.1	Ca_kabuli_chr02	7715714	GG	AA	1940148041
SNP_P1_23139_7715975	NC_021161.1	Ca_kabuli_chr02	7715975	AA	GG	1940148042
SNP_P1_23141_7717466	NC_021161.1	Ca_kabuli_chr02	7717466	TT	CC	1940148043
SNP_P1_23142_7717480	NC_021161.1	Ca_kabuli_chr02	7717480	GG	TT	1940148044
SNP_P1_23143_7717494	NC_021161.1	Ca_kabuli_chr02	7717494	GG	TT	1940148045
SNP_P1_23144_7717532	NC_021161.1	Ca_kabuli_chr02	7717532	TT	CC	1940148046
SNP_P1_23145_7717546	NC_021161.1	Ca_kabuli_chr02	7717546	TT	AA	1940148047
SNP_P1_23146_7717556	NC_021161.1	Ca_kabuli_chr02	7717556	GG	TT	1940148048
SNP_P1_23147_7717641	NC_021161.1	Ca_kabuli_chr02	7717641	TT	CC	1940148049
SNP_P1_23148_7717668	NC_021161.1	Ca_kabuli_chr02	7717668	CC	TT	1940148050
SNP_P1_23149_7717691	NC_021161.1	Ca_kabuli_chr02	7717691	CC	AA	1940148051
SNP_P1_23151_7718535	NC_021161.1	Ca_kabuli_chr02	7718535	GG	AA	1940148053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_23152_7718699	NC_021161.1	Ca_kabuli_chr02	7718699	CC	TT	1940148054
SNP_P1_23154_7718970	NC_021161.1	Ca_kabuli_chr02	7718970	CC	TT	1940148055
SNP_P1_23155_7719014	NC_021161.1	Ca_kabuli_chr02	7719014	TT	AA	1940148056
SNP_P1_23156_7720243	NC_021161.1	Ca_kabuli_chr02	7720243	GG	AA	1940148057
SNP_P1_23157_7720245	NC_021161.1	Ca_kabuli_chr02	7720245	AA	GG	1940148058
SNP_P1_23158_7720267	NC_021161.1	Ca_kabuli_chr02	7720267	GG	CC	1940148059
SNP_P1_23159_7720307	NC_021161.1	Ca_kabuli_chr02	7720307	GG	AA	1940148060
SNP_P1_23160_7720322	NC_021161.1	Ca_kabuli_chr02	7720322	AA	GG	1940148061
SNP_P1_23161_7720371	NC_021161.1	Ca_kabuli_chr02	7720371	GG	CC	1940148062
SNP_P1_23162_7720380	NC_021161.1	Ca_kabuli_chr02	7720380	CC	GG	1940148063
SNP_P1_23163_7720385	NC_021161.1	Ca_kabuli_chr02	7720385	CC	AA	1940148064
SNP_P1_23164_7720436	NC_021161.1	Ca_kabuli_chr02	7720436	GG	AA	1940148065
SNP_P1_23165_7720447	NC_021161.1	Ca_kabuli_chr02	7720447	GG	AA	1940148067
SNP_P1_23166_7720450	NC_021161.1	Ca_kabuli_chr02	7720450	CC	GG	1940148068
SNP_P1_23168_7720684	NC_021161.1	Ca_kabuli_chr02	7720684	AA	GG	1940148069
SNP_P1_23169_7720720	NC_021161.1	Ca_kabuli_chr02	7720720	CC	AA	1940148070
SNP_P1_23170_7720723	NC_021161.1	Ca_kabuli_chr02	7720723	CC	TT	1940148071
SNP_P1_23171_7720882	NC_021161.1	Ca_kabuli_chr02	7720882	GG	AA	1940148072
SNP_P1_23174_7721173	NC_021161.1	Ca_kabuli_chr02	7721173	GG	TT	1940148073
SNP_P1_23175_7721950	NC_021161.1	Ca_kabuli_chr02	7721950	GG	AA	1940148074
SNP_P1_23176_7721979	NC_021161.1	Ca_kabuli_chr02	7721979	CC	TT	1940148075
SNP_P1_23177_7722002	NC_021161.1	Ca_kabuli_chr02	7722002	TT	CC	1940148076
SNP_P1_23178_7722117	NC_021161.1	Ca_kabuli_chr02	7722117	CC	TT	1940148077
SNP_P1_23180_7723269	NC_021161.1	Ca_kabuli_chr02	7723269	GG	TT	1940148078
SNP_P1_23181_7723507	NC_021161.1	Ca_kabuli_chr02	7723507	CC	TT	1940148079
SNP_P1_23183_7723918	NC_021161.1	Ca_kabuli_chr02	7723918	CC	TT	1940148081
SNP_P1_23185_7724961	NC_021161.1	Ca_kabuli_chr02	7724961	AA	GG	1940148082
SNP_P1_23187_7725117	NC_021161.1	Ca_kabuli_chr02	7725117	AA	TT	1940148083
SNP_P1_23188_7726783	NC_021161.1	Ca_kabuli_chr02	7726783	GG	CC	1940148084
SNP_P1_23189_7727160	NC_021161.1	Ca_kabuli_chr02	7727160	TT	GG	1940148085
SNP_P1_23190_7727169	NC_021161.1	Ca_kabuli_chr02	7727169	AA	GG	1940148086
SNP_P1_23192_7727232	NC_021161.1	Ca_kabuli_chr02	7727232	AA	TT	1940148087
SNP_P1_23193_7727358	NC_021161.1	Ca_kabuli_chr02	7727358	CC	TT	1940148088
SNP_P1_23194_7727395	NC_021161.1	Ca_kabuli_chr02	7727395	TT	AA	1940148089
SNP_P1_23195_7727402	NC_021161.1	Ca_kabuli_chr02	7727402	GG	AA	1940148090
SNP_P1_23196_7727406	NC_021161.1	Ca_kabuli_chr02	7727406	TT	CC	1940148091
SNP_P1_23197_7727572	NC_021161.1	Ca_kabuli_chr02	7727572	CC	TT	1940148092
SNP_P1_23200_7728992	NC_021161.1	Ca_kabuli_chr02	7728992	CC	TT	1940148093
SNP_P1_23201_7729000	NC_021161.1	Ca_kabuli_chr02	7729000	GG	TT	1940148094
SNP_P1_23202_7729042	NC_021161.1	Ca_kabuli_chr02	7729042	TT	CC	1940148095
SNP_P1_23203_7729056	NC_021161.1	Ca_kabuli_chr02	7729056	GG	TT	1940148096
SNP_P1_23204_7729078	NC_021161.1	Ca_kabuli_chr02	7729078	AA	GG	1940148098

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23206_7729195	NC_021161.1	Ca_kabuli_chr02	7729195	CC	TT	1940148100
SNP_P1_23207_7729230	NC_021161.1	Ca_kabuli_chr02	7729230	CC	GG	1940148101
SNP_P1_23208_7729236	NC_021161.1	Ca_kabuli_chr02	7729236	CC	TT	1940148102
SNP_P1_23209_7729285	NC_021161.1	Ca_kabuli_chr02	7729285	CC	AA	1940148103
SNP_P1_23210_7729292	NC_021161.1	Ca_kabuli_chr02	7729292	GG	AA	1940148104
SNP_P1_23211_7729388	NC_021161.1	Ca_kabuli_chr02	7729388	TT	CC	1940148105
SNP_P1_23212_7729528	NC_021161.1	Ca_kabuli_chr02	7729528	TT	CC	1940148106
SNP_P1_23213_7730262	NC_021161.1	Ca_kabuli_chr02	7730262	TT	CC	1940148107
SNP_P1_23214_7730433	NC_021161.1	Ca_kabuli_chr02	7730433	AA	CC	1940148108
SNP_P1_23215_7730445	NC_021161.1	Ca_kabuli_chr02	7730445	TT	CC	1940148109
SNP_P1_23216_7730813	NC_021161.1	Ca_kabuli_chr02	7730813	TT	CC	1940148110
SNP_P1_23217_7730852	NC_021161.1	Ca_kabuli_chr02	7730852	AA	GG	1940148111
SNP_P1_23218_7731361	NC_021161.1	Ca_kabuli_chr02	7731361	TT	CC	1940148112
SNP_P1_23220_7735203	NC_021161.1	Ca_kabuli_chr02	7735203	CC	TT	1940148113
SNP_P1_23221_7735381	NC_021161.1	Ca_kabuli_chr02	7735381	TT	CC	1940148114
SNP_P1_23222_7735460	NC_021161.1	Ca_kabuli_chr02	7735460	AA	GG	1940148115
SNP_P1_23223_7736594	NC_021161.1	Ca_kabuli_chr02	7736594	GG	TT	1940148116
SNP_P1_23224_7736847	NC_021161.1	Ca_kabuli_chr02	7736847	CC	TT	1940148117
SNP_P1_23225_7737063	NC_021161.1	Ca_kabuli_chr02	7737063	GG	AA	1940148118
SNP_P1_23226_7737106	NC_021161.1	Ca_kabuli_chr02	7737106	GG	AA	1940148119
SNP_P1_23227_7737125	NC_021161.1	Ca_kabuli_chr02	7737125	AA	GG	1940148120
SNP_P1_23228_7737137	NC_021161.1	Ca_kabuli_chr02	7737137	AA	GG	1940148121
SNP_P1_23229_7737138	NC_021161.1	Ca_kabuli_chr02	7737138	GG	AA	1940148122
SNP_P1_23231_7737284	NC_021161.1	Ca_kabuli_chr02	7737284	TT	CC	1940148123
SNP_P1_23232_7737289	NC_021161.1	Ca_kabuli_chr02	7737289	AA	GG	1940148124
SNP_P1_23234_7737891	NC_021161.1	Ca_kabuli_chr02	7737891	CC	TT	1940148125
SNP_P1_23235_7738269	NC_021161.1	Ca_kabuli_chr02	7738269	AA	GG	1940148126
SNP_P1_23236_7738271	NC_021161.1	Ca_kabuli_chr02	7738271	AA	GG	1940148127
SNP_P1_23237_7738281	NC_021161.1	Ca_kabuli_chr02	7738281	AA	GG	1940148128
SNP_P1_23238_7738296	NC_021161.1	Ca_kabuli_chr02	7738296	GG	AA	1940148129
SNP_P1_23239_7738423	NC_021161.1	Ca_kabuli_chr02	7738423	CC	GG	1940148130
SNP_P1_23240_7738557	NC_021161.1	Ca_kabuli_chr02	7738557	AA	GG	1940148131
SNP_P1_23241_7738558	NC_021161.1	Ca_kabuli_chr02	7738558	TT	CC	1940148132
SNP_P1_23242_7738604	NC_021161.1	Ca_kabuli_chr02	7738604	GG	AA	1940148133
SNP_P1_23243_7738763	NC_021161.1	Ca_kabuli_chr02	7738763	TT	GG	1940148134
SNP_P1_23246_7739007	NC_021161.1	Ca_kabuli_chr02	7739007	AA	GG	1940148135
SNP_P1_23248_7743347	NC_021161.1	Ca_kabuli_chr02	7743347	GG	AA	1940148136
SNP_P1_23249_7743389	NC_021161.1	Ca_kabuli_chr02	7743389	CC	AA	1940148137
SNP_P1_23250_7743392	NC_021161.1	Ca_kabuli_chr02	7743392	TT	CC	1940148138
SNP_P1_23252_7743424	NC_021161.1	Ca_kabuli_chr02	7743424	AA	GG	1940148140
SNP_P1_23253_7743455	NC_021161.1	Ca_kabuli_chr02	7743455	GG	AA	1940148141

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23257_7743717	NC_021161.1	Ca_kabuli_chr02	7743717	TT	CC	1940148143
SNP_P1_23258_7743751	NC_021161.1	Ca_kabuli_chr02	7743751	AA	GG	1940148144
SNP_P1_23259_7743782	NC_021161.1	Ca_kabuli_chr02	7743782	TT	CC	1940148145
SNP_P1_23260_7744296	NC_021161.1	Ca_kabuli_chr02	7744296	AA	GG	1940148146
SNP_P1_23261_7744318	NC_021161.1	Ca_kabuli_chr02	7744318	AA	TT	1940148147
SNP_P1_23262_7744635	NC_021161.1	Ca_kabuli_chr02	7744635	AA	GG	1940148148
SNP_P1_23263_7744637	NC_021161.1	Ca_kabuli_chr02	7744637	CC	TT	1940148149
SNP_P1_23264_7744639	NC_021161.1	Ca_kabuli_chr02	7744639	AA	GG	1940148150
SNP_P1_23265_7744670	NC_021161.1	Ca_kabuli_chr02	7744670	AA	GG	1940148151
SNP_P1_23266_7744922	NC_021161.1	Ca_kabuli_chr02	7744922	GG	AA	1940148152
SNP_P1_23267_7744969	NC_021161.1	Ca_kabuli_chr02	7744969	TT	GG	1940148153
SNP_P1_23268_7744973	NC_021161.1	Ca_kabuli_chr02	7744973	GG	TT	1940148154
SNP_P1_23269_7745163	NC_021161.1	Ca_kabuli_chr02	7745163	TT	CC	1940148155
SNP_P1_23270_7745167	NC_021161.1	Ca_kabuli_chr02	7745167	GG	AA	1940148156
SNP_P1_23271_7745168	NC_021161.1	Ca_kabuli_chr02	7745168	AA	GG	1940148157
SNP_P1_23272_7745176	NC_021161.1	Ca_kabuli_chr02	7745176	TT	CC	1940148158
SNP_P1_23274_7745268	NC_021161.1	Ca_kabuli_chr02	7745268	TT	AA	1940148159
SNP_P1_23275_7745305	NC_021161.1	Ca_kabuli_chr02	7745305	TT	CC	1940148160
SNP_P1_23276_7745414	NC_021161.1	Ca_kabuli_chr02	7745414	GG	AA	1940148161
SNP_P1_23277_7746210	NC_021161.1	Ca_kabuli_chr02	7746210	CC	TT	1940148162
SNP_P1_23278_7746560	NC_021161.1	Ca_kabuli_chr02	7746560	GG	AA	1940148163
SNP_P1_23279_7746614	NC_021161.1	Ca_kabuli_chr02	7746614	GG	AA	1940148164
SNP_P1_23281_7748362	NC_021161.1	Ca_kabuli_chr02	7748362	AA	TT	1940148165
SNP_P1_23282_7748924	NC_021161.1	Ca_kabuli_chr02	7748924	CC	AA	1940148166
SNP_P1_23283_7748926	NC_021161.1	Ca_kabuli_chr02	7748926	CC	AA	1940148167
SNP_P1_23284_7748962	NC_021161.1	Ca_kabuli_chr02	7748962	CC	AA	1940148168
SNP_P1_23285_7748966	NC_021161.1	Ca_kabuli_chr02	7748966	TT	CC	1940148169
SNP_P1_23286_7748987	NC_021161.1	Ca_kabuli_chr02	7748987	TT	CC	1940148170
SNP_P1_23289_7751351	NC_021161.1	Ca_kabuli_chr02	7751351	AA	TT	1940148171
SNP_P1_23290_7751355	NC_021161.1	Ca_kabuli_chr02	7751355	GG	CC	1940148172
SNP_P1_23291_7751405	NC_021161.1	Ca_kabuli_chr02	7751405	CC	TT	1940148173
SNP_P1_23292_7752723	NC_021161.1	Ca_kabuli_chr02	7752723	TT	CC	1940148174
SNP_P1_23294_7753063	NC_021161.1	Ca_kabuli_chr02	7753063	TT	CC	1940148175
SNP_P1_23295_7753169	NC_021161.1	Ca_kabuli_chr02	7753169	CC	TT	1940148176
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SNP_P1_23297_7753353	NC_021161.1	Ca_kabuli_chr02	7753353	AA	CC	1940148178
SNP_P1_23301_7756969	NC_021161.1	Ca_kabuli_chr02	7756969	AA	TT	1940148179
SNP_P1_23302_7757943	NC_021161.1	Ca_kabuli_chr02	7757943	CC	TT	1940148180
SNP_P1_23303_7758232	NC_021161.1	Ca_kabuli_chr02	7758232	GG	AA	1940148181
SNP_P1_23304_7758237	NC_021161.1	Ca_kabuli_chr02	7758237	GG	AA	1940148182
SNP_P1_23305_7759287	NC_021161.1	Ca_kabuli_chr02	7759287	AA	GG	1940148184

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23307_7770657	NC_021161.1	Ca_kabuli_chr02	7770657	AA	GG	1940148186
SNP_P1_23308_7770688	NC_021161.1	Ca_kabuli_chr02	7770688	CC	TT	1940148187
SNP_P1_23309_7770792	NC_021161.1	Ca_kabuli_chr02	7770792	AA	GG	1940148188
SNP_P1_23310_7770803	NC_021161.1	Ca_kabuli_chr02	7770803	GG	TT	1940148189
SNP_P1_23311_7770833	NC_021161.1	Ca_kabuli_chr02	7770833	AA	GG	1940148190
SNP_P1_23312_7771027	NC_021161.1	Ca_kabuli_chr02	7771027	AA	TT	1940148191
SNP_P1_23313_7771029	NC_021161.1	Ca_kabuli_chr02	7771029	TT	CC	1940148192
SNP_P1_23315_7772172	NC_021161.1	Ca_kabuli_chr02	7772172	TT	AA	1940148193
SNP_P1_23316_7772180	NC_021161.1	Ca_kabuli_chr02	7772180	TT	CC	1940148194
SNP_P1_23317_7772186	NC_021161.1	Ca_kabuli_chr02	7772186	CC	TT	1940148195
SNP_P1_23318_7772243	NC_021161.1	Ca_kabuli_chr02	7772243	GG	AA	1940148196
SNP_P1_23319_7772373	NC_021161.1	Ca_kabuli_chr02	7772373	GG	AA	1940148197
SNP_P1_23320_7772441	NC_021161.1	Ca_kabuli_chr02	7772441	AA	TT	1940148198
SNP_P1_23321_7772503	NC_021161.1	Ca_kabuli_chr02	7772503	TT	GG	1940148199
SNP_P1_23324_7773042	NC_021161.1	Ca_kabuli_chr02	7773042	GG	AA	1940148200
SNP_P1_23325_7773078	NC_021161.1	Ca_kabuli_chr02	7773078	AA	GG	1940148201
SNP_P1_23326_7773084	NC_021161.1	Ca_kabuli_chr02	7773084	TT	CC	1940148202
SNP_P1_23327_7773179	NC_021161.1	Ca_kabuli_chr02	7773179	CC	GG	1940148203
SNP_P1_23328_7773188	NC_021161.1	Ca_kabuli_chr02	7773188	TT	CC	1940148204
SNP_P1_23330_7773277	NC_021161.1	Ca_kabuli_chr02	7773277	TT	CC	1940148205
SNP_P1_23331_7773310	NC_021161.1	Ca_kabuli_chr02	7773310	AA	GG	1940148206
SNP_P1_23332_7773387	NC_021161.1	Ca_kabuli_chr02	7773387	CC	AA	1940148207
SNP_P1_23333_7773429	NC_021161.1	Ca_kabuli_chr02	7773429	TT	CC	1940148208
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SNP_P1_23337_7774267	NC_021161.1	Ca_kabuli_chr02	7774267	CC	TT	1940148211
SNP_P1_23338_7774583	NC_021161.1	Ca_kabuli_chr02	7774583	GG	AA	1940148212
SNP_P1_23339_7774673	NC_021161.1	Ca_kabuli_chr02	7774673	GG	AA	1940148213
SNP_P1_23340_7774689	NC_021161.1	Ca_kabuli_chr02	7774689	TT	CC	1940148214
SNP_P1_23341_7774691	NC_021161.1	Ca_kabuli_chr02	7774691	TT	CC	1940148215
SNP_P1_23342_7774783	NC_021161.1	Ca_kabuli_chr02	7774783	AA	CC	1940148216
SNP_P1_23343_7774815	NC_021161.1	Ca_kabuli_chr02	7774815	AA	TT	1940148218
SNP_P1_23344_7774816	NC_021161.1	Ca_kabuli_chr02	7774816	GG	AA	1940148219
SNP_P1_23345_7774830	NC_021161.1	Ca_kabuli_chr02	7774830	CC	TT	1940148220
SNP_P1_23346_7774844	NC_021161.1	Ca_kabuli_chr02	7774844	GG	AA	1940148221
SNP_P1_23347_7775966	NC_021161.1	Ca_kabuli_chr02	7775966	TT	CC	1940148222
SNP_P1_23348_7777547	NC_021161.1	Ca_kabuli_chr02	7777547	TT	GG	1940148223
SNP_P1_23350_7780441	NC_021161.1	Ca_kabuli_chr02	7780441	AA	GG	1940148224
SNP_P1_23352_7781669	NC_021161.1	Ca_kabuli_chr02	7781669	CC	TT	1940148225
SNP_P1_23353_7782001	NC_021161.1	Ca_kabuli_chr02	7782001	CC	TT	1940148226
SNP_P1_23356_7782948	NC_021161.1	Ca_kabuli_chr02	7782948	AA	TT	1940148227

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23358_7782954	NC_021161.1	Ca_kabuli_chr02	7782954	CC	TT	1940148229
SNP_P1_23359_7783419	NC_021161.1	Ca_kabuli_chr02	7783419	AA	CC	1940148230
SNP_P1_23360_7783468	NC_021161.1	Ca_kabuli_chr02	7783468	TT	AA	1940148231
SNP_P1_23361_7783481	NC_021161.1	Ca_kabuli_chr02	7783481	CC	TT	1940148232
SNP_P1_23363_7783647	NC_021161.1	Ca_kabuli_chr02	7783647	GG	AA	1940148233
SNP_P1_23364_7783661	NC_021161.1	Ca_kabuli_chr02	7783661	TT	AA	1940148234
SNP_P1_23365_7784015	NC_021161.1	Ca_kabuli_chr02	7784015	TT	CC	1940148235
SNP_P1_23366_7784050	NC_021161.1	Ca_kabuli_chr02	7784050	CC	AA	1940148236
SNP_P1_23368_7788422	NC_021161.1	Ca_kabuli_chr02	7788422	TT	AA	1940148237
SNP_P1_23369_7788526	NC_021161.1	Ca_kabuli_chr02	7788526	AA	GG	1940148238
SNP_P1_23370_7788954	NC_021161.1	Ca_kabuli_chr02	7788954	GG	AA	1940148239
SNP_P1_23372_7789483	NC_021161.1	Ca_kabuli_chr02	7789483	TT	CC	1940148240
SNP_P1_23374_7789550	NC_021161.1	Ca_kabuli_chr02	7789550	GG	TT	1940148241
SNP_P1_23375_7789699	NC_021161.1	Ca_kabuli_chr02	7789699	TT	AA	1940148242
SNP_P1_23377_7791681	NC_021161.1	Ca_kabuli_chr02	7791681	AA	GG	1940148243
SNP_P1_23378_7791736	NC_021161.1	Ca_kabuli_chr02	7791736	TT	CC	1940148244
SNP_P1_23379_7791921	NC_021161.1	Ca_kabuli_chr02	7791921	TT	CC	1940148245
SNP_P1_23380_7791966	NC_021161.1	Ca_kabuli_chr02	7791966	CC	AA	1940148246
SNP_P1_23381_7792622	NC_021161.1	Ca_kabuli_chr02	7792622	GG	CC	1940148247
SNP_P1_23382_7792755	NC_021161.1	Ca_kabuli_chr02	7792755	TT	CC	1940148248
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SNP_P1_23384_7792815	NC_021161.1	Ca_kabuli_chr02	7792815	AA	GG	1940148250
SNP_P1_23385_7792830	NC_021161.1	Ca_kabuli_chr02	7792830	AA	CC	1940148251
SNP_P1_23387_7792936	NC_021161.1	Ca_kabuli_chr02	7792936	AA	GG	1940148252
SNP_P1_23388_7792946	NC_021161.1	Ca_kabuli_chr02	7792946	CC	GG	1940148253
SNP_P1_23389_7792966	NC_021161.1	Ca_kabuli_chr02	7792966	AA	CC	1940148254
SNP_P1_23391_7793059	NC_021161.1	Ca_kabuli_chr02	7793059	GG	AA	1940148255
SNP_P1_23392_7793083	NC_021161.1	Ca_kabuli_chr02	7793083	CC	TT	1940148256
SNP_P1_23394_7793138	NC_021161.1	Ca_kabuli_chr02	7793138	TT	CC	1940148257
SNP_P1_23395_7793164	NC_021161.1	Ca_kabuli_chr02	7793164	TT	CC	1940148258
SNP_P1_23396_7793168	NC_021161.1	Ca_kabuli_chr02	7793168	CC	TT	1940148259
SNP_P1_23397_7793178	NC_021161.1	Ca_kabuli_chr02	7793178	GG	AA	1940148261
SNP_P1_23398_7793193	NC_021161.1	Ca_kabuli_chr02	7793193	CC	TT	1940148262
SNP_P1_23399_7793217	NC_021161.1	Ca_kabuli_chr02	7793217	CC	TT	1940148263
SNP_P1_23401_7793351	NC_021161.1	Ca_kabuli_chr02	7793351	TT	GG	1940148264
SNP_P1_23402_7793364	NC_021161.1	Ca_kabuli_chr02	7793364	GG	AA	1940148265
SNP_P1_23403_7793472	NC_021161.1	Ca_kabuli_chr02	7793472	AA	TT	1940148266
SNP_P1_23404_7793477	NC_021161.1	Ca_kabuli_chr02	7793477	TT	AA	1940148267
SNP_P1_23405_7793487	NC_021161.1	Ca_kabuli_chr02	7793487	GG	TT	1940148268
SNP_P1_23406_7793558	NC_021161.1	Ca_kabuli_chr02	7793558	AA	GG	1940148269
SNP_P1_23407_7793619	NC_021161.1	Ca_kabuli_chr02	7793619	GG	TT	1940148270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23410_7796213	NC_021161.1	Ca_kabuli_chr02	7796213	GG	AA	1940148272
SNP_P1_23411_7796223	NC_021161.1	Ca_kabuli_chr02	7796223	AA	TT	1940148274
SNP_P1_23412_7796274	NC_021161.1	Ca_kabuli_chr02	7796274	TT	AA	1940148275
SNP_P1_23413_7796738	NC_021161.1	Ca_kabuli_chr02	7796738	CC	TT	1940148276
SNP_P1_23414_7796741	NC_021161.1	Ca_kabuli_chr02	7796741	AA	CC	1940148277
SNP_P1_23415_7796756	NC_021161.1	Ca_kabuli_chr02	7796756	TT	AA	1940148278
SNP_P1_23416_7796837	NC_021161.1	Ca_kabuli_chr02	7796837	TT	CC	1940148279
SNP_P1_23418_7796953	NC_021161.1	Ca_kabuli_chr02	7796953	AA	GG	1940148280
SNP_P1_23419_7797026	NC_021161.1	Ca_kabuli_chr02	7797026	AA	TT	1940148281
SNP_P1_23420_7797202	NC_021161.1	Ca_kabuli_chr02	7797202	TT	AA	1940148282
SNP_P1_23421_7797210	NC_021161.1	Ca_kabuli_chr02	7797210	GG	TT	1940148283
SNP_P1_23422_7798636	NC_021161.1	Ca_kabuli_chr02	7798636	GG	CC	1940148284
SNP_P1_23423_7798656	NC_021161.1	Ca_kabuli_chr02	7798656	AA	TT	1940148285
SNP_P1_23424_7798687	NC_021161.1	Ca_kabuli_chr02	7798687	TT	GG	1940148286
SNP_P1_23425_7798691	NC_021161.1	Ca_kabuli_chr02	7798691	GG	AA	1940148288
SNP_P1_23426_7798692	NC_021161.1	Ca_kabuli_chr02	7798692	AA	CC	1940148289
SNP_P1_23427_7798706	NC_021161.1	Ca_kabuli_chr02	7798706	AA	GG	1940148290
SNP_P1_23428_7798746	NC_021161.1	Ca_kabuli_chr02	7798746	CC	TT	1940148291
SNP_P1_23430_7798981	NC_021161.1	Ca_kabuli_chr02	7798981	AA	GG	1940148292
SNP_P1_23432_7799062	NC_021161.1	Ca_kabuli_chr02	7799062	CC	GG	1940148293
SNP_P1_23433_7799083	NC_021161.1	Ca_kabuli_chr02	7799083	GG	AA	1940148294
SNP_P1_23434_7799085	NC_021161.1	Ca_kabuli_chr02	7799085	CC	GG	1940148295
SNP_P1_23435_7800228	NC_021161.1	Ca_kabuli_chr02	7800228	TT	AA	1940148296
SNP_P1_23436_7800234	NC_021161.1	Ca_kabuli_chr02	7800234	TT	CC	1940148297
SNP_P1_23437_7800256	NC_021161.1	Ca_kabuli_chr02	7800256	GG	AA	1940148298
SNP_P1_23439_7801126	NC_021161.1	Ca_kabuli_chr02	7801126	AA	CC	1940148299
SNP_P1_23440_7801130	NC_021161.1	Ca_kabuli_chr02	7801130	AA	TT	1940148301
SNP_P1_23441_7802130	NC_021161.1	Ca_kabuli_chr02	7802130	CC	TT	1940148302
SNP_P1_23443_7803035	NC_021161.1	Ca_kabuli_chr02	7803035	CC	TT	1940148303
SNP_P1_23444_7804432	NC_021161.1	Ca_kabuli_chr02	7804432	AA	GG	1940148304
SNP_P1_23445_7804638	NC_021161.1	Ca_kabuli_chr02	7804638	AA	CC	1940148305
SNP_P1_23446_7805801	NC_021161.1	Ca_kabuli_chr02	7805801	GG	TT	1940148306
SNP_P1_23449_7807090	NC_021161.1	Ca_kabuli_chr02	7807090	GG	TT	1940148307
SNP_P1_23450_7807593	NC_021161.1	Ca_kabuli_chr02	7807593	CC	TT	1940148308
SNP_P1_23451_7807599	NC_021161.1	Ca_kabuli_chr02	7807599	TT	GG	1940148309
SNP_P1_23452_7807628	NC_021161.1	Ca_kabuli_chr02	7807628	TT	CC	1940148310
SNP_P1_23453_7809549	NC_021161.1	Ca_kabuli_chr02	7809549	CC	TT	1940148311
SNP_P1_23454_7810288	NC_021161.1	Ca_kabuli_chr02	7810288	CC	TT	1940148312
SNP_P1_23455_7810292	NC_021161.1	Ca_kabuli_chr02	7810292	GG	CC	1940148313
SNP_P1_23456_7810320	NC_021161.1	Ca_kabuli_chr02	7810320	AA	GG	1940148314
SNP_P1_23457_7810341	NC_021161.1	Ca_kabuli_chr02	7810341	GG	AA	1940148315

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23460_7811606	NC_021161.1	Ca_kabuli_chr02	7811606	TT	CC	1940148318
SNP_P1_23462_7812232	NC_021161.1	Ca_kabuli_chr02	7812232	CC	TT	1940148319
SNP_P1_23463_7812237	NC_021161.1	Ca_kabuli_chr02	7812237	GG	AA	1940148320
SNP_P1_23464_7812298	NC_021161.1	Ca_kabuli_chr02	7812298	GG	AA	1940148321
SNP_P1_23465_7812448	NC_021161.1	Ca_kabuli_chr02	7812448	TT	CC	1940148322
SNP_P1_23466_7812500	NC_021161.1	Ca_kabuli_chr02	7812500	AA	GG	1940148324
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SNP_P1_23468_7812693	NC_021161.1	Ca_kabuli_chr02	7812693	AA	GG	1940148326
SNP_P1_23469_7812699	NC_021161.1	Ca_kabuli_chr02	7812699	CC	TT	1940148327
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SNP_P1_23471_7813579	NC_021161.1	Ca_kabuli_chr02	7813579	GG	AA	1940148329
SNP_P1_23472_7813584	NC_021161.1	Ca_kabuli_chr02	7813584	AA	GG	1940148330
SNP_P1_23473_7813589	NC_021161.1	Ca_kabuli_chr02	7813589	AA	GG	1940148331
SNP_P1_23474_7813664	NC_021161.1	Ca_kabuli_chr02	7813664	TT	GG	1940148332
SNP_P1_23475_7813666	NC_021161.1	Ca_kabuli_chr02	7813666	AA	GG	1940148333
SNP_P1_23476_7813704	NC_021161.1	Ca_kabuli_chr02	7813704	CC	TT	1940148334
SNP_P1_23477_7813980	NC_021161.1	Ca_kabuli_chr02	7813980	CC	AA	1940148335
SNP_P1_23478_7814613	NC_021161.1	Ca_kabuli_chr02	7814613	GG	TT	1940148336
SNP_P1_23479_7814767	NC_021161.1	Ca_kabuli_chr02	7814767	CC	TT	1940148337
SNP_P1_23480_7814776	NC_021161.1	Ca_kabuli_chr02	7814776	AA	CC	1940148338
SNP_P1_23481_7814798	NC_021161.1	Ca_kabuli_chr02	7814798	TT	CC	1940148339
SNP_P1_23482_7814813	NC_021161.1	Ca_kabuli_chr02	7814813	CC	TT	1940148340
SNP_P1_23484_7815841	NC_021161.1	Ca_kabuli_chr02	7815841	CC	AA	1940148341
SNP_P1_23485_7816136	NC_021161.1	Ca_kabuli_chr02	7816136	GG	AA	1940148342
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SNP_P1_23487_7816663	NC_021161.1	Ca_kabuli_chr02	7816663	GG	AA	1940148344
SNP_P1_23489_7817026	NC_021161.1	Ca_kabuli_chr02	7817026	TT	AA	1940148345
SNP_P1_23490_7817037	NC_021161.1	Ca_kabuli_chr02	7817037	AA	GG	1940148346
SNP_P1_23492_7817860	NC_021161.1	Ca_kabuli_chr02	7817860	AA	GG	1940148347
SNP_P1_23493_7818836	NC_021161.1	Ca_kabuli_chr02	7818836	CC	TT	1940148348
SNP_P1_23494_7818886	NC_021161.1	Ca_kabuli_chr02	7818886	AA	TT	1940148349
SNP_P1_23495_7818895	NC_021161.1	Ca_kabuli_chr02	7818895	GG	AA	1940148350
SNP_P1_23496_7820877	NC_021161.1	Ca_kabuli_chr02	7820877	GG	AA	1940148351
SNP_P1_23497_7820944	NC_021161.1	Ca_kabuli_chr02	7820944	AA	GG	1940148352
SNP_P1_23498_7822447	NC_021161.1	Ca_kabuli_chr02	7822447	GG	AA	1940148353
SNP_P1_23500_7822701	NC_021161.1	Ca_kabuli_chr02	7822701	CC	TT	1940148354
SNP_P1_23501_7822723	NC_021161.1	Ca_kabuli_chr02	7822723	GG	CC	1940148355
SNP_P1_23502_7822724	NC_021161.1	Ca_kabuli_chr02	7822724	GG	CC	1940148356
SNP_P1_23503_7822731	NC_021161.1	Ca_kabuli_chr02	7822731	TT	CC	1940148357
SNP_P1_23504_7822862	NC_021161.1	Ca_kabuli_chr02	7822862	CC	AA	1940148359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23506_7823729	NC_021161.1	Ca_kabuli_chr02	7823729	TT	CC	1940148361
SNP_P1_23507_7823750	NC_021161.1	Ca_kabuli_chr02	7823750	GG	AA	1940148362
SNP_P1_23508_7823764	NC_021161.1	Ca_kabuli_chr02	7823764	GG	AA	1940148363
SNP_P1_23511_7824484	NC_021161.1	Ca_kabuli_chr02	7824484	CC	AA	1940148364
SNP_P1_23512_7825320	NC_021161.1	Ca_kabuli_chr02	7825320	CC	GG	1940148365
SNP_P1_23513_7825518	NC_021161.1	Ca_kabuli_chr02	7825518	GG	AA	1940148366
SNP_P1_23514_7825520	NC_021161.1	Ca_kabuli_chr02	7825520	GG	AA	1940148367
SNP_P1_23515_7825649	NC_021161.1	Ca_kabuli_chr02	7825649	AA	GG	1940148368
SNP_P1_23516_7834968	NC_021161.1	Ca_kabuli_chr02	7834968	TT	AA	1940148369
SNP_P1_23518_7844013	NC_021161.1	Ca_kabuli_chr02	7844013	CC	TT	1940148370
SNP_P1_23520_7863068	NC_021161.1	Ca_kabuli_chr02	7863068	AA	TT	1940148371
SNP_P1_23521_7880835	NC_021161.1	Ca_kabuli_chr02	7880835	AA	GG	1940148372
SNP_P1_23522_7880840	NC_021161.1	Ca_kabuli_chr02	7880840	AA	GG	1940148373
SNP_P1_23523_7880847	NC_021161.1	Ca_kabuli_chr02	7880847	GG	AA	1940148374
SNP_P1_23524_7880853	NC_021161.1	Ca_kabuli_chr02	7880853	GG	AA	1940148375
SNP_P1_23525_7880868	NC_021161.1	Ca_kabuli_chr02	7880868	CC	AA	1940148376
SNP_P1_23526_7880888	NC_021161.1	Ca_kabuli_chr02	7880888	AA	GG	1940148377
SNP_P1_23527_7880889	NC_021161.1	Ca_kabuli_chr02	7880889	GG	AA	1940148378
SNP_P1_23528_7880952	NC_021161.1	Ca_kabuli_chr02	7880952	TT	CC	1940148379
SNP_P1_23529_7880954	NC_021161.1	Ca_kabuli_chr02	7880954	CC	AA	1940148380
SNP_P1_23530_7880957	NC_021161.1	Ca_kabuli_chr02	7880957	GG	AA	1940148381
SNP_P1_23531_7880984	NC_021161.1	Ca_kabuli_chr02	7880984	CC	TT	1940148382
SNP_P1_23534_7881340	NC_021161.1	Ca_kabuli_chr02	7881340	AA	GG	1940148383
SNP_P1_23535_7881360	NC_021161.1	Ca_kabuli_chr02	7881360	TT	CC	1940148384
SNP_P1_23536_7881714	NC_021161.1	Ca_kabuli_chr02	7881714	AA	GG	1940148385
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SNP_P1_23539_7881894	NC_021161.1	Ca_kabuli_chr02	7881894	TT	AA	1940148387
SNP_P1_23540_7881914	NC_021161.1	Ca_kabuli_chr02	7881914	TT	AA	1940148388
SNP_P1_23541_7881916	NC_021161.1	Ca_kabuli_chr02	7881916	GG	TT	1940148389
SNP_P1_23542_7882564	NC_021161.1	Ca_kabuli_chr02	7882564	AA	GG	1940148390
SNP_P1_23543_7882590	NC_021161.1	Ca_kabuli_chr02	7882590	GG	CC	1940148391
SNP_P1_23544_7882633	NC_021161.1	Ca_kabuli_chr02	7882633	CC	AA	1940148392
SNP_P1_23545_7883069	NC_021161.1	Ca_kabuli_chr02	7883069	GG	AA	1940148393
SNP_P1_23546_7883096	NC_021161.1	Ca_kabuli_chr02	7883096	CC	TT	1940148395
SNP_P1_23547_7883282	NC_021161.1	Ca_kabuli_chr02	7883282	GG	CC	1940148396
SNP_P1_23548_7883295	NC_021161.1	Ca_kabuli_chr02	7883295	AA	GG	1940148397
SNP_P1_23549_7883388	NC_021161.1	Ca_kabuli_chr02	7883388	CC	TT	1940148398
SNP_P1_23550_7884437	NC_021161.1	Ca_kabuli_chr02	7884437	GG	AA	1940148399
SNP_P1_23551_7887079	NC_021161.1	Ca_kabuli_chr02	7887079	GG	CC	1940148400
SNP_P1_23553_7887376	NC_021161.1	Ca_kabuli_chr02	7887376	GG	AA	1940148401
SNP_P1_23554_7887395	NC_021161.1	Ca_kabuli_chr02	7887395	GG	AA	1940148402

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23556_7887487	NC_021161.1	Ca_kabuli_chr02	7887487	TT	CC	1940148404
SNP_P1_23558_7887555	NC_021161.1	Ca_kabuli_chr02	7887555	TT	CC	1940148405
SNP_P1_23559_7887634	NC_021161.1	Ca_kabuli_chr02	7887634	AA	GG	1940148406
SNP_P1_23561_7887742	NC_021161.1	Ca_kabuli_chr02	7887742	GG	AA	1940148407
SNP_P1_23562_7887860	NC_021161.1	Ca_kabuli_chr02	7887860	CC	TT	1940148408
SNP_P1_23563_7888898	NC_021161.1	Ca_kabuli_chr02	7888898	AA	GG	1940148409
SNP_P1_23564_7889549	NC_021161.1	Ca_kabuli_chr02	7889549	TT	CC	1940148410
SNP_P1_23565_7889578	NC_021161.1	Ca_kabuli_chr02	7889578	AA	GG	1940148411
SNP_P1_23566_7890109	NC_021161.1	Ca_kabuli_chr02	7890109	TT	CC	1940148412
SNP_P1_23567_7890140	NC_021161.1	Ca_kabuli_chr02	7890140	CC	AA	1940148413
SNP_P1_23568_7892912	NC_021161.1	Ca_kabuli_chr02	7892912	TT	CC	1940148414
SNP_P1_23569_7892932	NC_021161.1	Ca_kabuli_chr02	7892932	GG	AA	1940148415
SNP_P1_23570_7892936	NC_021161.1	Ca_kabuli_chr02	7892936	TT	CC	1940148416
SNP_P1_23571_7892938	NC_021161.1	Ca_kabuli_chr02	7892938	GG	AA	1940148417
SNP_P1_23572_7892941	NC_021161.1	Ca_kabuli_chr02	7892941	CC	TT	1940148418
SNP_P1_23573_7892942	NC_021161.1	Ca_kabuli_chr02	7892942	AA	GG	1940148419
SNP_P1_23574_7892947	NC_021161.1	Ca_kabuli_chr02	7892947	AA	GG	1940148420
SNP_P1_23575_7892992	NC_021161.1	Ca_kabuli_chr02	7892992	TT	GG	1940148421
SNP_P1_23576_7893005	NC_021161.1	Ca_kabuli_chr02	7893005	TT	CC	1940148422
SNP_P1_23577_7893009	NC_021161.1	Ca_kabuli_chr02	7893009	TT	CC	1940148423
SNP_P1_23578_7893021	NC_021161.1	Ca_kabuli_chr02	7893021	TT	GG	1940148425
SNP_P1_23579_7893090	NC_021161.1	Ca_kabuli_chr02	7893090	TT	AA	1940148426
SNP_P1_23580_7893156	NC_021161.1	Ca_kabuli_chr02	7893156	AA	TT	1940148427
SNP_P1_23582_7893409	NC_021161.1	Ca_kabuli_chr02	7893409	TT	CC	1940148428
SNP_P1_23583_7894280	NC_021161.1	Ca_kabuli_chr02	7894280	CC	TT	1940148429
SNP_P1_23584_7894728	NC_021161.1	Ca_kabuli_chr02	7894728	GG	AA	1940148430
SNP_P1_23585_7894730	NC_021161.1	Ca_kabuli_chr02	7894730	GG	AA	1940148431
SNP_P1_23587_7894766	NC_021161.1	Ca_kabuli_chr02	7894766	AA	GG	1940148432
SNP_P1_23589_7895282	NC_021161.1	Ca_kabuli_chr02	7895282	AA	TT	1940148433
SNP_P1_23590_7895292	NC_021161.1	Ca_kabuli_chr02	7895292	TT	CC	1940148434
SNP_P1_23591_7895352	NC_021161.1	Ca_kabuli_chr02	7895352	TT	CC	1940148435
SNP_P1_23592_7895485	NC_021161.1	Ca_kabuli_chr02	7895485	AA	GG	1940148436
SNP_P1_23593_7895605	NC_021161.1	Ca_kabuli_chr02	7895605	CC	TT	1940148437
SNP_P1_23594_7895606	NC_021161.1	Ca_kabuli_chr02	7895606	TT	CC	1940148439
SNP_P1_23595_7895768	NC_021161.1	Ca_kabuli_chr02	7895768	CC	GG	1940148440
SNP_P1_23596_7895928	NC_021161.1	Ca_kabuli_chr02	7895928	CC	TT	1940148441
SNP_P1_23597_7895946	NC_021161.1	Ca_kabuli_chr02	7895946	AA	TT	1940148442
SNP_P1_23598_7895970	NC_021161.1	Ca_kabuli_chr02	7895970	TT	GG	1940148443
SNP_P1_23599_7895978	NC_021161.1	Ca_kabuli_chr02	7895978	TT	CC	1940148444
SNP_P1_23600_7895994	NC_021161.1	Ca_kabuli_chr02	7895994	AA	GG	1940148445
SNP_P1_23601_7896101	NC_021161.1	Ca_kabuli_chr02	7896101	AA	GG	1940148446

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23603_7896160	NC_021161.1	Ca_kabuli_chr02	7896160	AA	GG	1940148448
SNP_P1_23604_7896282	NC_021161.1	Ca_kabuli_chr02	7896282	GG	TT	1940148449
SNP_P1_23605_7896331	NC_021161.1	Ca_kabuli_chr02	7896331	TT	GG	1940148450
SNP_P1_23606_7896439	NC_021161.1	Ca_kabuli_chr02	7896439	TT	CC	1940148451
SNP_P1_23607_7896489	NC_021161.1	Ca_kabuli_chr02	7896489	AA	GG	1940148452
SNP_P1_23608_7898091	NC_021161.1	Ca_kabuli_chr02	7898091	AA	CC	1940148453
SNP_P1_23609_7898092	NC_021161.1	Ca_kabuli_chr02	7898092	TT	CC	1940148454
SNP_P1_23610_7898469	NC_021161.1	Ca_kabuli_chr02	7898469	CC	TT	1940148455
SNP_P1_23611_7898478	NC_021161.1	Ca_kabuli_chr02	7898478	GG	AA	1940148456
SNP_P1_23612_7898503	NC_021161.1	Ca_kabuli_chr02	7898503	TT	CC	1940148457
SNP_P1_23613_7898639	NC_021161.1	Ca_kabuli_chr02	7898639	CC	GG	1940148458
SNP_P1_23614_7898644	NC_021161.1	Ca_kabuli_chr02	7898644	TT	CC	1940148459
SNP_P1_23615_7898654	NC_021161.1	Ca_kabuli_chr02	7898654	CC	TT	1940148460
SNP_P1_23616_7898655	NC_021161.1	Ca_kabuli_chr02	7898655	AA	GG	1940148462
SNP_P1_23617_7898676	NC_021161.1	Ca_kabuli_chr02	7898676	GG	AA	1940148463
SNP_P1_23618_7898982	NC_021161.1	Ca_kabuli_chr02	7898982	TT	CC	1940148464
SNP_P1_23619_7899173	NC_021161.1	Ca_kabuli_chr02	7899173	GG	AA	1940148465
SNP_P1_23620_7899384	NC_021161.1	Ca_kabuli_chr02	7899384	AA	GG	1940148466
SNP_P1_23622_7907114	NC_021161.1	Ca_kabuli_chr02	7907114	TT	CC	1940148467
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SNP_P1_23624_7909420	NC_021161.1	Ca_kabuli_chr02	7909420	CC	TT	1940148469
SNP_P1_23625_7909428	NC_021161.1	Ca_kabuli_chr02	7909428	GG	CC	1940148470
SNP_P1_23626_7909439	NC_021161.1	Ca_kabuli_chr02	7909439	AA	GG	1940148471
SNP_P1_23627_7909455	NC_021161.1	Ca_kabuli_chr02	7909455	TT	CC	1940148472
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SNP_P1_23632_7913577	NC_021161.1	Ca_kabuli_chr02	7913577	TT	CC	1940148477
SNP_P1_23633_7913719	NC_021161.1	Ca_kabuli_chr02	7913719	TT	CC	1940148478
SNP_P1_23634_7915765	NC_021161.1	Ca_kabuli_chr02	7915765	GG	AA	1940148479
SNP_P1_23635_7915771	NC_021161.1	Ca_kabuli_chr02	7915771	AA	GG	1940148480
SNP_P1_23636_7915781	NC_021161.1	Ca_kabuli_chr02	7915781	CC	TT	1940148481
SNP_P1_23637_7915813	NC_021161.1	Ca_kabuli_chr02	7915813	AA	CC	1940148482
SNP_P1_23638_7915827	NC_021161.1	Ca_kabuli_chr02	7915827	GG	AA	1940148483
SNP_P1_23639_7915838	NC_021161.1	Ca_kabuli_chr02	7915838	TT	CC	1940148484
SNP_P1_23641_7916017	NC_021161.1	Ca_kabuli_chr02	7916017	TT	CC	1940148485
SNP_P1_23642_7916150	NC_021161.1	Ca_kabuli_chr02	7916150	AA	GG	1940148486
SNP_P1_23643_7916212	NC_021161.1	Ca_kabuli_chr02	7916212	CC	TT	1940148487
SNP_P1_23644_7916221	NC_021161.1	Ca_kabuli_chr02	7916221	AA	CC	1940148488
SNP_P1_23646_7918041	NC_021161.1	Ca_kabuli_chr02	7918041	CC	TT	1940148489
SNP_P1_23647_7918355	NC_021161.1	Ca_kabuli_chr02	7918355	TT	CC	1940148490

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23651_7919434	NC_021161.1	Ca_kabuli_chr02	7919434	TT	CC	1940148493
SNP_P1_23652_7919447	NC_021161.1	Ca_kabuli_chr02	7919447	GG	CC	1940148495
SNP_P1_23653_7919456	NC_021161.1	Ca_kabuli_chr02	7919456	TT	CC	1940148496
SNP_P1_23654_7919495	NC_021161.1	Ca_kabuli_chr02	7919495	TT	CC	1940148497
SNP_P1_23655_7919515	NC_021161.1	Ca_kabuli_chr02	7919515	CC	TT	1940148498
SNP_P1_23656_7919605	NC_021161.1	Ca_kabuli_chr02	7919605	AA	TT	1940148499
SNP_P1_23657_7919628	NC_021161.1	Ca_kabuli_chr02	7919628	TT	GG	1940148500
SNP_P1_23658_7919630	NC_021161.1	Ca_kabuli_chr02	7919630	GG	AA	1940148501
SNP_P1_23659_7920464	NC_021161.1	Ca_kabuli_chr02	7920464	CC	TT	1940148502
SNP_P1_23660_7920611	NC_021161.1	Ca_kabuli_chr02	7920611	CC	GG	1940148503
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SNP_P1_23662_7920883	NC_021161.1	Ca_kabuli_chr02	7920883	GG	AA	1940148505
SNP_P1_23663_7922216	NC_021161.1	Ca_kabuli_chr02	7922216	AA	TT	1940148506
SNP_P1_23664_7922260	NC_021161.1	Ca_kabuli_chr02	7922260	CC	TT	1940148507
SNP_P1_23665_7922297	NC_021161.1	Ca_kabuli_chr02	7922297	GG	AA	1940148508
SNP_P1_23667_7922668	NC_021161.1	Ca_kabuli_chr02	7922668	CC	GG	1940148509
SNP_P1_23668_7922816	NC_021161.1	Ca_kabuli_chr02	7922816	AA	GG	1940148510
SNP_P1_23669_7922825	NC_021161.1	Ca_kabuli_chr02	7922825	TT	CC	1940148511
SNP_P1_23670_7922888	NC_021161.1	Ca_kabuli_chr02	7922888	GG	CC	1940148512
SNP_P1_23671_7922932	NC_021161.1	Ca_kabuli_chr02	7922932	TT	GG	1940148513
SNP_P1_23672_7922940	NC_021161.1	Ca_kabuli_chr02	7922940	AA	GG	1940148514
SNP_P1_23673_7922974	NC_021161.1	Ca_kabuli_chr02	7922974	AA	TT	1940148515
SNP_P1_23674_7922988	NC_021161.1	Ca_kabuli_chr02	7922988	CC	TT	1940148516
SNP_P1_23675_7923059	NC_021161.1	Ca_kabuli_chr02	7923059	AA	GG	1940148517
SNP_P1_23676_7923101	NC_021161.1	Ca_kabuli_chr02	7923101	GG	AA	1940148518
SNP_P1_23677_7923116	NC_021161.1	Ca_kabuli_chr02	7923116	CC	GG	1940148519
SNP_P1_23678_7923118	NC_021161.1	Ca_kabuli_chr02	7923118	AA	GG	1940148520
SNP_P1_23680_7923232	NC_021161.1	Ca_kabuli_chr02	7923232	CC	TT	1940148521
SNP_P1_23681_7923512	NC_021161.1	Ca_kabuli_chr02	7923512	TT	CC	1940148522
SNP_P1_23682_7923520	NC_021161.1	Ca_kabuli_chr02	7923520	CC	TT	1940148523
SNP_P1_23683_7923543	NC_021161.1	Ca_kabuli_chr02	7923543	CC	TT	1940148524
SNP_P1_23684_7923584	NC_021161.1	Ca_kabuli_chr02	7923584	AA	GG	1940148525
SNP_P1_23685_7924114	NC_021161.1	Ca_kabuli_chr02	7924114	GG	AA	1940148526
SNP_P1_23686_7924170	NC_021161.1	Ca_kabuli_chr02	7924170	CC	TT	1940148528
SNP_P1_23688_7924457	NC_021161.1	Ca_kabuli_chr02	7924457	CC	TT	1940148529
SNP_P1_23689_7924482	NC_021161.1	Ca_kabuli_chr02	7924482	TT	CC	1940148530
SNP_P1_23690_7925819	NC_021161.1	Ca_kabuli_chr02	7925819	AA	GG	1940148531
SNP_P1_23692_7926366	NC_021161.1	Ca_kabuli_chr02	7926366	GG	AA	1940148532
SNP_P1_23693_7927210	NC_021161.1	Ca_kabuli_chr02	7927210	TT	CC	1940148533
SNP_P1_23695_7927265	NC_021161.1	Ca_kabuli_chr02	7927265	AA	GG	1940148534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_23696_7928673	NC_021161.1	Ca_kabuli_chr02	7928673	TT	GG	1940148535
SNP_P1_23697_7929005	NC_021161.1	Ca_kabuli_chr02	7929005	CC	TT	1940148536
SNP_P1_23698_7929010	NC_021161.1	Ca_kabuli_chr02	7929010	TT	CC	1940148537
SNP_P1_23699_7930075	NC_021161.1	Ca_kabuli_chr02	7930075	GG	AA	1940148538
SNP_P1_23700_7931876	NC_021161.1	Ca_kabuli_chr02	7931876	CC	TT	1940148539
SNP_P1_23701_7931910	NC_021161.1	Ca_kabuli_chr02	7931910	GG	TT	1940148540
SNP_P1_23702_7932072	NC_021161.1	Ca_kabuli_chr02	7932072	TT	CC	1940148541
SNP_P1_23703_7932116	NC_021161.1	Ca_kabuli_chr02	7932116	CC	TT	1940148542
SNP_P1_23704_7932126	NC_021161.1	Ca_kabuli_chr02	7932126	TT	AA	1940148543
SNP_P1_23706_7932405	NC_021161.1	Ca_kabuli_chr02	7932405	AA	GG	1940148544
SNP_P1_23707_7932600	NC_021161.1	Ca_kabuli_chr02	7932600	GG	AA	1940148545
SNP_P1_23708_7932606	NC_021161.1	Ca_kabuli_chr02	7932606	TT	AA	1940148546
SNP_P1_23709_7932626	NC_021161.1	Ca_kabuli_chr02	7932626	GG	AA	1940148547
SNP_P1_23710_7932774	NC_021161.1	Ca_kabuli_chr02	7932774	GG	AA	1940148548
SNP_P1_23711_7933219	NC_021161.1	Ca_kabuli_chr02	7933219	GG	AA	1940148549
SNP_P1_23712_7933221	NC_021161.1	Ca_kabuli_chr02	7933221	AA	TT	1940148550
SNP_P1_23714_7933588	NC_021161.1	Ca_kabuli_chr02	7933588	TT	AA	1940148551
SNP_P1_23715_7933888	NC_021161.1	Ca_kabuli_chr02	7933888	CC	TT	1940148552
SNP_P1_23717_7933957	NC_021161.1	Ca_kabuli_chr02	7933957	GG	AA	1940148553
SNP_P1_23718_7933983	NC_021161.1	Ca_kabuli_chr02	7933983	AA	TT	1940148554
SNP_P1_23719_7934233	NC_021161.1	Ca_kabuli_chr02	7934233	GG	AA	1940148555
SNP_P1_23720_7934238	NC_021161.1	Ca_kabuli_chr02	7934238	CC	AA	1940148556
SNP_P1_23721_7934299	NC_021161.1	Ca_kabuli_chr02	7934299	GG	AA	1940148557
SNP_P1_23723_7934531	NC_021161.1	Ca_kabuli_chr02	7934531	CC	GG	1940148558
SNP_P1_23724_7934540	NC_021161.1	Ca_kabuli_chr02	7934540	TT	AA	1940148559
SNP_P1_23725_7934548	NC_021161.1	Ca_kabuli_chr02	7934548	GG	AA	1940148560
SNP_P1_23726_7935836	NC_021161.1	Ca_kabuli_chr02	7935836	CC	TT	1940148561
SNP_P1_23728_7935859	NC_021161.1	Ca_kabuli_chr02	7935859	TT	AA	1940148562
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SNP_P1_23730_7935906	NC_021161.1	Ca_kabuli_chr02	7935906	CC	TT	1940148564
SNP_P1_23731_7936071	NC_021161.1	Ca_kabuli_chr02	7936071	GG	AA	1940148566
SNP_P1_23732_7936286	NC_021161.1	Ca_kabuli_chr02	7936286	CC	GG	1940148567
SNP_P1_23733_7936395	NC_021161.1	Ca_kabuli_chr02	7936395	TT	CC	1940148568
SNP_P1_23734_7936399	NC_021161.1	Ca_kabuli_chr02	7936399	CC	AA	1940148569
SNP_P1_23735_7936402	NC_021161.1	Ca_kabuli_chr02	7936402	AA	GG	1940148570
SNP_P1_23736_7936438	NC_021161.1	Ca_kabuli_chr02	7936438	AA	GG	1940148571
SNP_P1_23737_7936481	NC_021161.1	Ca_kabuli_chr02	7936481	CC	TT	1940148572
SNP_P1_23738_7936493	NC_021161.1	Ca_kabuli_chr02	7936493	CC	TT	1940148573
SNP_P1_23739_7937326	NC_021161.1	Ca_kabuli_chr02	7937326	GG	AA	1940148574
SNP_P1_23740_7937328	NC_021161.1	Ca_kabuli_chr02	7937328	AA	GG	1940148575
SNP_P1_23741_7937620	NC_021161.1	Ca_kabuli_chr02	7937620	CC	TT	1940148576
SNP_P1_23743_7939602	NC_021161.1	Ca_kabuli_chr02	7939602	GG	CC	1940148577

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23746_7940162	NC_021161.1	Ca_kabuli_chr02	7940162	AA	GG	1940148579
SNP_P1_23747_7940197	NC_021161.1	Ca_kabuli_chr02	7940197	GG	CC	1940148580
SNP_P1_23748_7940648	NC_021161.1	Ca_kabuli_chr02	7940648	AA	TT	1940148581
SNP_P1_23749_7941384	NC_021161.1	Ca_kabuli_chr02	7941384	GG	AA	1940148582
SNP_P1_23750_7941437	NC_021161.1	Ca_kabuli_chr02	7941437	GG	AA	1940148583
SNP_P1_23751_7941458	NC_021161.1	Ca_kabuli_chr02	7941458	GG	AA	1940148584
SNP_P1_23752_7947469	NC_021161.1	Ca_kabuli_chr02	7947469	TT	CC	1940148585
SNP_P1_23753_7947972	NC_021161.1	Ca_kabuli_chr02	7947972	AA	TT	1940148586
SNP_P1_23754_7948021	NC_021161.1	Ca_kabuli_chr02	7948021	CC	GG	1940148587
SNP_P1_23755_7948681	NC_021161.1	Ca_kabuli_chr02	7948681	AA	GG	1940148588
SNP_P1_23756_7948722	NC_021161.1	Ca_kabuli_chr02	7948722	TT	CC	1940148589
SNP_P1_23757_7948735	NC_021161.1	Ca_kabuli_chr02	7948735	AA	GG	1940148590
SNP_P1_23758_7948747	NC_021161.1	Ca_kabuli_chr02	7948747	TT	GG	1940148591
SNP_P1_23759_7948856	NC_021161.1	Ca_kabuli_chr02	7948856	AA	GG	1940148592
SNP_P1_23760_7948859	NC_021161.1	Ca_kabuli_chr02	7948859	TT	CC	1940148593
SNP_P1_23761_7948884	NC_021161.1	Ca_kabuli_chr02	7948884	AA	GG	1940148595
SNP_P1_23762_7948898	NC_021161.1	Ca_kabuli_chr02	7948898	AA	CC	1940148596
SNP_P1_23763_7948913	NC_021161.1	Ca_kabuli_chr02	7948913	AA	CC	1940148597
SNP_P1_23764_7948927	NC_021161.1	Ca_kabuli_chr02	7948927	GG	TT	1940148598
SNP_P1_23766_7948956	NC_021161.1	Ca_kabuli_chr02	7948956	TT	GG	1940148599
SNP_P1_23767_7948991	NC_021161.1	Ca_kabuli_chr02	7948991	CC	TT	1940148600
SNP_P1_23768_7949047	NC_021161.1	Ca_kabuli_chr02	7949047	AA	TT	1940148601
SNP_P1_23769_7962686	NC_021161.1	Ca_kabuli_chr02	7962686	TT	CC	1940148602
SNP_P1_23770_7965248	NC_021161.1	Ca_kabuli_chr02	7965248	TT	AA	1940148603
SNP_P1_23771_7970383	NC_021161.1	Ca_kabuli_chr02	7970383	CC	TT	1940148604
SNP_P1_23772_7972947	NC_021161.1	Ca_kabuli_chr02	7972947	GG	AA	1940148605
SNP_P1_23773_7985112	NC_021161.1	Ca_kabuli_chr02	7985112	AA	TT	1940148606
SNP_P1_23774_8000325	NC_021161.1	Ca_kabuli_chr02	8000325	AA	GG	1940148607
SNP_P1_23775_8001448	NC_021161.1	Ca_kabuli_chr02	8001448	GG	AA	1940148608
SNP_P1_23777_8005074	NC_021161.1	Ca_kabuli_chr02	8005074	TT	CC	1940148609
SNP_P1_23778_8005076	NC_021161.1	Ca_kabuli_chr02	8005076	GG	AA	1940148610
SNP_P1_23779_8005170	NC_021161.1	Ca_kabuli_chr02	8005170	AA	GG	1940148611
SNP_P1_23780_8005421	NC_021161.1	Ca_kabuli_chr02	8005421	CC	GG	1940148613
SNP_P1_23781_8005445	NC_021161.1	Ca_kabuli_chr02	8005445	AA	TT	1940148614
SNP_P1_23782_8005487	NC_021161.1	Ca_kabuli_chr02	8005487	GG	AA	1940148615
SNP_P1_23783_8005500	NC_021161.1	Ca_kabuli_chr02	8005500	AA	GG	1940148616
SNP_P1_23784_8005534	NC_021161.1	Ca_kabuli_chr02	8005534	GG	AA	1940148617
SNP_P1_23785_8005544	NC_021161.1	Ca_kabuli_chr02	8005544	AA	GG	1940148618
SNP_P1_23786_8005546	NC_021161.1	Ca_kabuli_chr02	8005546	CC	TT	1940148619
SNP_P1_23787_8005614	NC_021161.1	Ca_kabuli_chr02	8005614	TT	AA	1940148620
SNP_P1_23788_8005624	NC_021161.1	Ca_kabuli_chr02	8005624	TT	CC	1940148621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23790_8005661	NC_021161.1	Ca_kabuli_chr02	8005661	AA	GG	1940148623
SNP_P1_23791_8005704	NC_021161.1	Ca_kabuli_chr02	8005704	AA	CC	1940148624
SNP_P1_23792_8005747	NC_021161.1	Ca_kabuli_chr02	8005747	AA	GG	1940148625
SNP_P1_23793_8005852	NC_021161.1	Ca_kabuli_chr02	8005852	CC	GG	1940148626
SNP_P1_23794_8006030	NC_021161.1	Ca_kabuli_chr02	8006030	TT	CC	1940148627
SNP_P1_23795_8006201	NC_021161.1	Ca_kabuli_chr02	8006201	AA	GG	1940148629
SNP_P1_23796_8026595	NC_021161.1	Ca_kabuli_chr02	8026595	CC	AA	1940148630
SNP_P1_23797_8029573	NC_021161.1	Ca_kabuli_chr02	8029573	AA	GG	1940148631
SNP_P1_23798_8031916	NC_021161.1	Ca_kabuli_chr02	8031916	TT	GG	1940148632
SNP_P1_23799_8035558	NC_021161.1	Ca_kabuli_chr02	8035558	GG	AA	1940148633
SNP_P1_23800_8035888	NC_021161.1	Ca_kabuli_chr02	8035888	GG	TT	1940148634
SNP_P1_23801_8046116	NC_021161.1	Ca_kabuli_chr02	8046116	CC	TT	1940148635
SNP_P1_23802_8137022	NC_021161.1	Ca_kabuli_chr02	8137022	AA	TT	1940148636
SNP_P1_23803_8162652	NC_021161.1	Ca_kabuli_chr02	8162652	AA	GG	1940148637
SNP_P1_23804_8163129	NC_021161.1	Ca_kabuli_chr02	8163129	CC	AA	1940148638
SNP_P1_23805_8163164	NC_021161.1	Ca_kabuli_chr02	8163164	TT	AA	1940148639
SNP_P1_23806_8163190	NC_021161.1	Ca_kabuli_chr02	8163190	TT	CC	1940148641
SNP_P1_23807_8163210	NC_021161.1	Ca_kabuli_chr02	8163210	GG	AA	1940148642
SNP_P1_23808_8163246	NC_021161.1	Ca_kabuli_chr02	8163246	CC	TT	1940148643
SNP_P1_23809_8163280	NC_021161.1	Ca_kabuli_chr02	8163280	GG	AA	1940148644
SNP_P1_23810_8165905	NC_021161.1	Ca_kabuli_chr02	8165905	GG	CC	1940148645
SNP_P1_23813_8192620	NC_021161.1	Ca_kabuli_chr02	8192620	TT	CC	1940148646
SNP_P1_23814_8215634	NC_021161.1	Ca_kabuli_chr02	8215634	TT	AA	1940148647
SNP_P1_23815_8215635	NC_021161.1	Ca_kabuli_chr02	8215635	TT	AA	1940148648
SNP_P1_23816_8228432	NC_021161.1	Ca_kabuli_chr02	8228432	CC	TT	1940148649
SNP_P1_23817_8228471	NC_021161.1	Ca_kabuli_chr02	8228471	AA	GG	1940148650
SNP_P1_23818_8228505	NC_021161.1	Ca_kabuli_chr02	8228505	CC	TT	1940148651
SNP_P1_23819_8228506	NC_021161.1	Ca_kabuli_chr02	8228506	TT	GG	1940148652
SNP_P1_23820_8228561	NC_021161.1	Ca_kabuli_chr02	8228561	GG	AA	1940148653
SNP_P1_23821_8228569	NC_021161.1	Ca_kabuli_chr02	8228569	GG	AA	1940148654
SNP_P1_23822_8228575	NC_021161.1	Ca_kabuli_chr02	8228575	TT	CC	1940148655
SNP_P1_23823_8228578	NC_021161.1	Ca_kabuli_chr02	8228578	AA	TT	1940148656
SNP_P1_23824_8254284	NC_021161.1	Ca_kabuli_chr02	8254284	AA	TT	1940148657
SNP_P1_23825_8272349	NC_021161.1	Ca_kabuli_chr02	8272349	TT	CC	1940148658
SNP_P1_23827_8324933	NC_021161.1	Ca_kabuli_chr02	8324933	AA	GG	1940148659
SNP_P1_23832_8384555	NC_021161.1	Ca_kabuli_chr02	8384555	GG	AA	1940148660
SNP_P1_23834_8418758	NC_021161.1	Ca_kabuli_chr02	8418758	CC	TT	1940148661
SNP_P1_23835_8420051	NC_021161.1	Ca_kabuli_chr02	8420051	GG	AA	1940148662
SNP_P1_23837_8420352	NC_021161.1	Ca_kabuli_chr02	8420352	CC	TT	1940148663
SNP_P1_23838_8420560	NC_021161.1	Ca_kabuli_chr02	8420560	AA	CC	1940148665
SNP_P1_23839_8420595	NC_021161.1	Ca_kabuli_chr02	8420595	CC	TT	1940148666

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23841_8423651	NC_021161.1	Ca_kabuli_chr02	8423651	AA	GG	1940148668
SNP_P1_23843_8425858	NC_021161.1	Ca_kabuli_chr02	8425858	AA	TT	1940148669
SNP_P1_23844_8425870	NC_021161.1	Ca_kabuli_chr02	8425870	TT	AA	1940148670
SNP_P1_23845_8425871	NC_021161.1	Ca_kabuli_chr02	8425871	TT	CC	1940148671
SNP_P1_23846_8433545	NC_021161.1	Ca_kabuli_chr02	8433545	TT	AA	1940148672
SNP_P1_23847_8434228	NC_021161.1	Ca_kabuli_chr02	8434228	CC	AA	1940148673
SNP_P1_23848_8434601	NC_021161.1	Ca_kabuli_chr02	8434601	GG	AA	1940148674
SNP_P1_23849_8434653	NC_021161.1	Ca_kabuli_chr02	8434653	AA	TT	1940148675
SNP_P1_23850_8435002	NC_021161.1	Ca_kabuli_chr02	8435002	TT	CC	1940148676
SNP_P1_23851_8442444	NC_021161.1	Ca_kabuli_chr02	8442444	CC	TT	1940148677
SNP_P1_23853_8462481	NC_021161.1	Ca_kabuli_chr02	8462481	CC	GG	1940148678
SNP_P1_23854_8462487	NC_021161.1	Ca_kabuli_chr02	8462487	TT	CC	1940148679
SNP_P1_23855_8478740	NC_021161.1	Ca_kabuli_chr02	8478740	AA	CC	1940148680
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SNP_P1_23858_8478860	NC_021161.1	Ca_kabuli_chr02	8478860	GG	CC	1940148682
SNP_P1_23859_8478862	NC_021161.1	Ca_kabuli_chr02	8478862	GG	TT	1940148683
SNP_P1_23861_8478939	NC_021161.1	Ca_kabuli_chr02	8478939	CC	AA	1940148684
SNP_P1_23862_8479011	NC_021161.1	Ca_kabuli_chr02	8479011	GG	AA	1940148685
SNP_P1_23863_8479012	NC_021161.1	Ca_kabuli_chr02	8479012	TT	AA	1940148686
SNP_P1_23864_8479119	NC_021161.1	Ca_kabuli_chr02	8479119	TT	AA	1940148687
SNP_P1_23865_8479141	NC_021161.1	Ca_kabuli_chr02	8479141	TT	AA	1940148688
SNP_P1_23866_8479455	NC_021161.1	Ca_kabuli_chr02	8479455	CC	TT	1940148689
SNP_P1_23867_8479579	NC_021161.1	Ca_kabuli_chr02	8479579	CC	TT	1940148690
SNP_P1_23868_8479616	NC_021161.1	Ca_kabuli_chr02	8479616	GG	AA	1940148691
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SNP_P1_23870_8479643	NC_021161.1	Ca_kabuli_chr02	8479643	AA	GG	1940148693
SNP_P1_23871_8479662	NC_021161.1	Ca_kabuli_chr02	8479662	GG	AA	1940148694
SNP_P1_23872_8479675	NC_021161.1	Ca_kabuli_chr02	8479675	GG	AA	1940148695
SNP_P1_23873_8479731	NC_021161.1	Ca_kabuli_chr02	8479731	CC	TT	1940148696
SNP_P1_23874_8479746	NC_021161.1	Ca_kabuli_chr02	8479746	AA	GG	1940148697
SNP_P1_23875_8479768	NC_021161.1	Ca_kabuli_chr02	8479768	GG	AA	1940148698
SNP_P1_23876_8479795	NC_021161.1	Ca_kabuli_chr02	8479795	AA	GG	1940148700
SNP_P1_23877_8479829	NC_021161.1	Ca_kabuli_chr02	8479829	TT	CC	1940148701
SNP_P1_23878_8479895	NC_021161.1	Ca_kabuli_chr02	8479895	AA	TT	1940148702
SNP_P1_23879_8479927	NC_021161.1	Ca_kabuli_chr02	8479927	TT	CC	1940148703
SNP_P1_23880_8479947	NC_021161.1	Ca_kabuli_chr02	8479947	AA	GG	1940148704
SNP_P1_23882_8480130	NC_021161.1	Ca_kabuli_chr02	8480130	CC	TT	1940148705
SNP_P1_23883_8483614	NC_021161.1	Ca_kabuli_chr02	8483614	TT	AA	1940148706
SNP_P1_23884_8483642	NC_021161.1	Ca_kabuli_chr02	8483642	GG	CC	1940148707
SNP_P1_23885_8483645	NC_021161.1	Ca_kabuli_chr02	8483645	AA	GG	1940148708
SNP_P1_23886_8483648	NC_021161.1	Ca_kabuli_chr02	8483648	GG	CC	1940148709

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23888_8506866	NC_021161.1	Ca_kabuli_chr02	8506866	GG	AA	1940148711
SNP_P1_23889_8553269	NC_021161.1	Ca_kabuli_chr02	8553269	CC	TT	1940148712
SNP_P1_23890_8565046	NC_021161.1	Ca_kabuli_chr02	8565046	TT	CC	1940148713
SNP_P1_23892_8597127	NC_021161.1	Ca_kabuli_chr02	8597127	AA	CC	1940148714
SNP_P1_23893_8612096	NC_021161.1	Ca_kabuli_chr02	8612096	GG	AA	1940148715
SNP_P1_23894_8636138	NC_021161.1	Ca_kabuli_chr02	8636138	GG	AA	1940148716
SNP_P1_23895_8664225	NC_021161.1	Ca_kabuli_chr02	8664225	TT	GG	1940148717
SNP_P1_23896_8668130	NC_021161.1	Ca_kabuli_chr02	8668130	AA	CC	1940148718
SNP_P1_23897_8668131	NC_021161.1	Ca_kabuli_chr02	8668131	AA	GG	1940148719
SNP_P1_23898_8694597	NC_021161.1	Ca_kabuli_chr02	8694597	CC	TT	1940148720
SNP_P1_23899_8699947	NC_021161.1	Ca_kabuli_chr02	8699947	AA	TT	1940148721
SNP_P1_23901_8723907	NC_021161.1	Ca_kabuli_chr02	8723907	GG	CC	1940148722
SNP_P1_23902_8723944	NC_021161.1	Ca_kabuli_chr02	8723944	TT	CC	1940148723
SNP_P1_23903_8724174	NC_021161.1	Ca_kabuli_chr02	8724174	AA	GG	1940148724
SNP_P1_23904_8737416	NC_021161.1	Ca_kabuli_chr02	8737416	CC	AA	1940148725
SNP_P1_23905_8751514	NC_021161.1	Ca_kabuli_chr02	8751514	GG	AA	1940148726
SNP_P1_23906_8752779	NC_021161.1	Ca_kabuli_chr02	8752779	AA	TT	1940148727
SNP_P1_23907_8752783	NC_021161.1	Ca_kabuli_chr02	8752783	TT	CC	1940148728
SNP_P1_23908_8771479	NC_021161.1	Ca_kabuli_chr02	8771479	AA	GG	1940148729
SNP_P1_23911_8808469	NC_021161.1	Ca_kabuli_chr02	8808469	TT	AA	1940148730
SNP_P1_23912_8809489	NC_021161.1	Ca_kabuli_chr02	8809489	AA	GG	1940148731
SNP_P1_23914_8825406	NC_021161.1	Ca_kabuli_chr02	8825406	GG	AA	1940148732
SNP_P1_23915_8829315	NC_021161.1	Ca_kabuli_chr02	8829315	GG	AA	1940148733
SNP_P1_23916_8843031	NC_021161.1	Ca_kabuli_chr02	8843031	CC	GG	1940148734
SNP_P1_23917_9235220	NC_021161.1	Ca_kabuli_chr02	9235220	GG	AA	1940148735
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SNP_P1_23919_9256869	NC_021161.1	Ca_kabuli_chr02	9256869	CC	TT	1940148737
SNP_P1_23921_9272879	NC_021161.1	Ca_kabuli_chr02	9272879	CC	GG	1940148738
SNP_P1_23926_9289991	NC_021161.1	Ca_kabuli_chr02	9289991	CC	GG	1940148739
SNP_P1_23927_9291351	NC_021161.1	Ca_kabuli_chr02	9291351	GG	TT	1940148740
SNP_P1_23928_9300302	NC_021161.1	Ca_kabuli_chr02	9300302	TT	CC	1940148741
SNP_P1_23930_9306497	NC_021161.1	Ca_kabuli_chr02	9306497	CC	GG	1940148742
SNP_P1_23931_9311783	NC_021161.1	Ca_kabuli_chr02	9311783	GG	AA	1940148744
SNP_P1_23932_9312147	NC_021161.1	Ca_kabuli_chr02	9312147	AA	GG	1940148745
SNP_P1_23933_9312311	NC_021161.1	Ca_kabuli_chr02	9312311	AA	GG	1940148746
SNP_P1_23934_9312947	NC_021161.1	Ca_kabuli_chr02	9312947	AA	GG	1940148747
SNP_P1_23935_9313420	NC_021161.1	Ca_kabuli_chr02	9313420	GG	AA	1940148748
SNP_P1_23936_9322947	NC_021161.1	Ca_kabuli_chr02	9322947	AA	GG	1940148749
SNP_P1_23937_9336830	NC_021161.1	Ca_kabuli_chr02	9336830	TT	CC	1940148750
SNP_P1_23938_9343456	NC_021161.1	Ca_kabuli_chr02	9343456	GG	CC	1940148751
SNP_P1_23939_9360125	NC_021161.1	Ca_kabuli_chr02	9360125	AA	GG	1940148752

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23942_9373188	NC_021161.1	Ca_kabuli_chr02	9373188	AA	CC	1940148755
SNP_P1_23943_9378629	NC_021161.1	Ca_kabuli_chr02	9378629	AA	CC	1940148756
SNP_P1_23945_9389837	NC_021161.1	Ca_kabuli_chr02	9389837	TT	AA	1940148757
SNP_P1_23946_9401911	NC_021161.1	Ca_kabuli_chr02	9401911	CC	GG	1940148758
SNP_P1_23947_9408298	NC_021161.1	Ca_kabuli_chr02	9408298	TT	CC	1940148759
SNP_P1_23949_9411578	NC_021161.1	Ca_kabuli_chr02	9411578	GG	AA	1940148760
SNP_P1_23950_9416896	NC_021161.1	Ca_kabuli_chr02	9416896	CC	TT	1940148761
SNP_P1_23952_9428199	NC_021161.1	Ca_kabuli_chr02	9428199	TT	CC	1940148762
SNP_P1_23953_9441999	NC_021161.1	Ca_kabuli_chr02	9441999	CC	TT	1940148763
SNP_P1_23954_9451621	NC_021161.1	Ca_kabuli_chr02	9451621	AA	GG	1940148764
SNP_P1_23956_9490304	NC_021161.1	Ca_kabuli_chr02	9490304	CC	TT	1940148765
SNP_P1_23957_9493762	NC_021161.1	Ca_kabuli_chr02	9493762	CC	AA	1940148766
SNP_P1_23959_9494121	NC_021161.1	Ca_kabuli_chr02	9494121	AA	GG	1940148767
SNP_P1_23960_9494137	NC_021161.1	Ca_kabuli_chr02	9494137	TT	GG	1940148768
SNP_P1_23961_9494217	NC_021161.1	Ca_kabuli_chr02	9494217	CC	TT	1940148769
SNP_P1_23962_9494277	NC_021161.1	Ca_kabuli_chr02	9494277	AA	GG	1940148770
SNP_P1_23963_9494297	NC_021161.1	Ca_kabuli_chr02	9494297	GG	AA	1940148771
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SNP_P1_23966_9494327	NC_021161.1	Ca_kabuli_chr02	9494327	CC	GG	1940148774
SNP_P1_23967_9494348	NC_021161.1	Ca_kabuli_chr02	9494348	AA	CC	1940148775
SNP_P1_23968_9494377	NC_021161.1	Ca_kabuli_chr02	9494377	TT	CC	1940148776
SNP_P1_23969_9494399	NC_021161.1	Ca_kabuli_chr02	9494399	CC	GG	1940148777
SNP_P1_23970_9494402	NC_021161.1	Ca_kabuli_chr02	9494402	CC	AA	1940148778
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SNP_P1_23972_9494619	NC_021161.1	Ca_kabuli_chr02	9494619	GG	AA	1940148780
SNP_P1_23973_9494661	NC_021161.1	Ca_kabuli_chr02	9494661	AA	GG	1940148781
SNP_P1_23974_9494709	NC_021161.1	Ca_kabuli_chr02	9494709	AA	GG	1940148782
SNP_P1_23975_9494765	NC_021161.1	Ca_kabuli_chr02	9494765	GG	CC	1940148783
SNP_P1_23977_9498558	NC_021161.1	Ca_kabuli_chr02	9498558	GG	AA	1940148784
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SNP_P1_23980_9498863	NC_021161.1	Ca_kabuli_chr02	9498863	TT	AA	1940148788
SNP_P1_23981_9498871	NC_021161.1	Ca_kabuli_chr02	9498871	TT	CC	1940148789
SNP_P1_23982_9498915	NC_021161.1	Ca_kabuli_chr02	9498915	TT	CC	1940148790
SNP_P1_23983_9498963	NC_021161.1	Ca_kabuli_chr02	9498963	GG	AA	1940148791
SNP_P1_23984_9498966	NC_021161.1	Ca_kabuli_chr02	9498966	AA	GG	1940148792
SNP_P1_23985_9499135	NC_021161.1	Ca_kabuli_chr02	9499135	TT	AA	1940148793
SNP_P1_23986_9499244	NC_021161.1	Ca_kabuli_chr02	9499244	AA	GG	1940148794
SNP_P1_23987_9499463	NC_021161.1	Ca_kabuli_chr02	9499463	CC	TT	1940148795

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_23991_9500251	NC_021161.1	Ca_kabuli_chr02	9500251	TT	CC	1940148798
SNP_P1_23992_9587120	NC_021161.1	Ca_kabuli_chr02	9587120	AA	GG	1940148799
SNP_P1_23993_9588761	NC_021161.1	Ca_kabuli_chr02	9588761	AA	GG	1940148800
SNP_P1_23994_9599697	NC_021161.1	Ca_kabuli_chr02	9599697	CC	TT	1940148801
SNP_P1_23995_9599708	NC_021161.1	Ca_kabuli_chr02	9599708	AA	GG	1940148802
SNP_P1_23996_9599714	NC_021161.1	Ca_kabuli_chr02	9599714	GG	AA	1940148803
SNP_P1_23997_9599946	NC_021161.1	Ca_kabuli_chr02	9599946	AA	GG	1940148804
SNP_P1_23998_9600785	NC_021161.1	Ca_kabuli_chr02	9600785	AA	GG	1940148805
SNP_P1_23999_9600789	NC_021161.1	Ca_kabuli_chr02	9600789	AA	GG	1940148806
SNP_P1_24000_9605674	NC_021161.1	Ca_kabuli_chr02	9605674	TT	CC	1940148807
SNP_P1_24001_9605675	NC_021161.1	Ca_kabuli_chr02	9605675	GG	TT	1940148808
SNP_P1_24002_9605684	NC_021161.1	Ca_kabuli_chr02	9605684	GG	CC	1940148809
SNP_P1_24003_9609062	NC_021161.1	Ca_kabuli_chr02	9609062	TT	AA	1940148810
SNP_P1_24004_9609320	NC_021161.1	Ca_kabuli_chr02	9609320	TT	CC	1940148811
SNP_P1_24005_9612949	NC_021161.1	Ca_kabuli_chr02	9612949	GG	AA	1940148812
SNP_P1_24006_9612958	NC_021161.1	Ca_kabuli_chr02	9612958	AA	CC	1940148813
SNP_P1_24007_9612976	NC_021161.1	Ca_kabuli_chr02	9612976	TT	CC	1940148814
SNP_P1_24008_9613046	NC_021161.1	Ca_kabuli_chr02	9613046	AA	GG	1940148816
SNP_P1_24009_9613070	NC_021161.1	Ca_kabuli_chr02	9613070	TT	CC	1940148817
SNP_P1_24010_9613077	NC_021161.1	Ca_kabuli_chr02	9613077	TT	CC	1940148818
SNP_P1_24011_9613101	NC_021161.1	Ca_kabuli_chr02	9613101	GG	AA	1940148819
SNP_P1_24012_9613119	NC_021161.1	Ca_kabuli_chr02	9613119	TT	CC	1940148820
SNP_P1_24013_9613206	NC_021161.1	Ca_kabuli_chr02	9613206	AA	GG	1940148821
SNP_P1_24014_9613228	NC_021161.1	Ca_kabuli_chr02	9613228	TT	CC	1940148822
SNP_P1_24015_9613235	NC_021161.1	Ca_kabuli_chr02	9613235	AA	GG	1940148823
SNP_P1_24016_9613251	NC_021161.1	Ca_kabuli_chr02	9613251	TT	GG	1940148824
SNP_P1_24017_9613259	NC_021161.1	Ca_kabuli_chr02	9613259	TT	CC	1940148825
SNP_P1_24018_9613265	NC_021161.1	Ca_kabuli_chr02	9613265	AA	GG	1940148826
SNP_P1_24019_9613266	NC_021161.1	Ca_kabuli_chr02	9613266	CC	TT	1940148827
SNP_P1_24020_9613284	NC_021161.1	Ca_kabuli_chr02	9613284	TT	GG	1940148828
SNP_P1_24021_9613343	NC_021161.1	Ca_kabuli_chr02	9613343	AA	GG	1940148829
SNP_P1_24022_9613360	NC_021161.1	Ca_kabuli_chr02	9613360	TT	CC	1940148830
SNP_P1_24023_9613372	NC_021161.1	Ca_kabuli_chr02	9613372	AA	GG	1940148831
SNP_P1_24024_9614701	NC_021161.1	Ca_kabuli_chr02	9614701	TT	CC	1940148832
SNP_P1_24025_9614779	NC_021161.1	Ca_kabuli_chr02	9614779	CC	TT	1940148833
SNP_P1_24026_9615125	NC_021161.1	Ca_kabuli_chr02	9615125	AA	TT	1940148835
SNP_P1_24027_9615136	NC_021161.1	Ca_kabuli_chr02	9615136	CC	GG	1940148836
SNP_P1_24028_9615137	NC_021161.1	Ca_kabuli_chr02	9615137	AA	TT	1940148837
SNP_P1_24029_9615150	NC_021161.1	Ca_kabuli_chr02	9615150	TT	CC	1940148838
SNP_P1_24030_9615155	NC_021161.1	Ca_kabuli_chr02	9615155	AA	CC	1940148839

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24032_9616545	NC_021161.1	Ca_kabuli_chr02	9616545	AA	GG	1940148841
SNP_P1_24033_9617429	NC_021161.1	Ca_kabuli_chr02	9617429	GG	AA	1940148842
SNP_P1_24034_9617432	NC_021161.1	Ca_kabuli_chr02	9617432	GG	CC	1940148843
SNP_P1_24035_9626023	NC_021161.1	Ca_kabuli_chr02	9626023	AA	CC	1940148844
SNP_P1_24036_9626025	NC_021161.1	Ca_kabuli_chr02	9626025	AA	GG	1940148845
SNP_P1_24038_9642186	NC_021161.1	Ca_kabuli_chr02	9642186	AA	CC	1940148846
SNP_P1_24039_9642972	NC_021161.1	Ca_kabuli_chr02	9642972	TT	AA	1940148847
SNP_P1_24040_9647537	NC_021161.1	Ca_kabuli_chr02	9647537	TT	CC	1940148848
SNP_P1_24041_9647556	NC_021161.1	Ca_kabuli_chr02	9647556	GG	AA	1940148849
SNP_P1_24042_9647583	NC_021161.1	Ca_kabuli_chr02	9647583	AA	TT	1940148850
SNP_P1_24043_9647585	NC_021161.1	Ca_kabuli_chr02	9647585	TT	AA	1940148851
SNP_P1_24044_9647622	NC_021161.1	Ca_kabuli_chr02	9647622	TT	CC	1940148852
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SNP_P1_24046_9647633	NC_021161.1	Ca_kabuli_chr02	9647633	GG	TT	1940148854
SNP_P1_24047_9647647	NC_021161.1	Ca_kabuli_chr02	9647647	TT	CC	1940148855
SNP_P1_24048_9647944	NC_021161.1	Ca_kabuli_chr02	9647944	TT	GG	1940148856
SNP_P1_24050_9662240	NC_021161.1	Ca_kabuli_chr02	9662240	TT	AA	1940148857
SNP_P1_24051_9664421	NC_021161.1	Ca_kabuli_chr02	9664421	CC	TT	1940148859
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SNP_P1_24056_9707865	NC_021161.1	Ca_kabuli_chr02	9707865	GG	AA	1940148863
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SNP_P1_24058_9737169	NC_021161.1	Ca_kabuli_chr02	9737169	TT	CC	1940148865
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SNP_P1_24063_9776835	NC_021161.1	Ca_kabuli_chr02	9776835	CC	GG	1940148870
SNP_P1_24064_9779360	NC_021161.1	Ca_kabuli_chr02	9779360	CC	TT	1940148871
SNP_P1_24065_9779395	NC_021161.1	Ca_kabuli_chr02	9779395	CC	TT	1940148872
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SNP_P1_24067_9782825	NC_021161.1	Ca_kabuli_chr02	9782825	AA	GG	1940148874
SNP_P1_24068_9785247	NC_021161.1	Ca_kabuli_chr02	9785247	TT	CC	1940148875
SNP_P1_24069_9803114	NC_021161.1	Ca_kabuli_chr02	9803114	GG	AA	1940148876
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SNP_P1_24071_9809391	NC_021161.1	Ca_kabuli_chr02	9809391	TT	GG	1940148878
SNP_P1_24073_9881644	NC_021161.1	Ca_kabuli_chr02	9881644	GG	AA	1940148879
SNP_P1_24074_9881674	NC_021161.1	Ca_kabuli_chr02	9881674	CC	TT	1940148880
SNP_P1_24075_9881706	NC_021161.1	Ca_kabuli_chr02	9881706	TT	CC	1940148881
SNP_P1_24077_9885566	NC_021161.1	Ca_kabuli_chr02	9885566	AA	TT	1940148882

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24082_9929836	NC_021161.1	Ca_kabuli_chr02	9929836	AA	CC	1940148887
SNP_P1_24083_9929845	NC_021161.1	Ca_kabuli_chr02	9929845	AA	GG	1940148888
SNP_P1_24084_9929872	NC_021161.1	Ca_kabuli_chr02	9929872	TT	CC	1940148889
SNP_P1_24085_9929873	NC_021161.1	Ca_kabuli_chr02	9929873	AA	GG	1940148890
SNP_P1_24086_9929880	NC_021161.1	Ca_kabuli_chr02	9929880	AA	TT	1940148891
SNP_P1_24087_9929897	NC_021161.1	Ca_kabuli_chr02	9929897	TT	GG	1940148892
SNP_P1_24088_9929920	NC_021161.1	Ca_kabuli_chr02	9929920	TT	CC	1940148893
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SNP_P1_24091_9935370	NC_021161.1	Ca_kabuli_chr02	9935370	TT	CC	1940148896
SNP_P1_24092_9935388	NC_021161.1	Ca_kabuli_chr02	9935388	AA	GG	1940148897
SNP_P1_24093_9935391	NC_021161.1	Ca_kabuli_chr02	9935391	CC	TT	1940148898
SNP_P1_24095_9979301	NC_021161.1	Ca_kabuli_chr02	9979301	AA	CC	1940148899
SNP_P1_24096_9979302	NC_021161.1	Ca_kabuli_chr02	9979302	AA	CC	1940148900
SNP_P1_24097_9981989	NC_021161.1	Ca_kabuli_chr02	9981989	CC	TT	1940148901
SNP_P1_24098_9983656	NC_021161.1	Ca_kabuli_chr02	9983656	TT	CC	1940148902
SNP_P1_24099_9999943	NC_021161.1	Ca_kabuli_chr02	9999943	AA	GG	1940148903
SNP_P1_24100_10013784	NC_021161.1	Ca_kabuli_chr02	10013784	AA	CC	1940148904
SNP_P1_24101_10013817	NC_021161.1	Ca_kabuli_chr02	10013817	TT	CC	1940148905
SNP_P1_24105_10044527	NC_021161.1	Ca_kabuli_chr02	10044527	GG	AA	1940148906
SNP_P1_24106_10044765	NC_021161.1	Ca_kabuli_chr02	10044765	GG	AA	1940148907
SNP_P1_24107_10073896	NC_021161.1	Ca_kabuli_chr02	10073896	TT	CC	1940148908
SNP_P1_24108_10083364	NC_021161.1	Ca_kabuli_chr02	10083364	TT	AA	1940148910
SNP_P1_24109_10104782	NC_021161.1	Ca_kabuli_chr02	10104782	AA	GG	1940148911
SNP_P1_24110_10110185	NC_021161.1	Ca_kabuli_chr02	10110185	CC	TT	1940148912
SNP_P1_24111_10110190	NC_021161.1	Ca_kabuli_chr02	10110190	AA	GG	1940148913
SNP_P1_24112_10110209	NC_021161.1	Ca_kabuli_chr02	10110209	CC	AA	1940148914
SNP_P1_24113_10110454	NC_021161.1	Ca_kabuli_chr02	10110454	TT	CC	1940148915
SNP_P1_24114_10112872	NC_021161.1	Ca_kabuli_chr02	10112872	TT	CC	1940148916
SNP_P1_24115_10113145	NC_021161.1	Ca_kabuli_chr02	10113145	CC	TT	1940148917
SNP_P1_24116_10113157	NC_021161.1	Ca_kabuli_chr02	10113157	GG	AA	1940148918
SNP_P1_24117_10113169	NC_021161.1	Ca_kabuli_chr02	10113169	GG	AA	1940148919
SNP_P1_24118_10116758	NC_021161.1	Ca_kabuli_chr02	10116758	AA	TT	1940148920
SNP_P1_24119_10116767	NC_021161.1	Ca_kabuli_chr02	10116767	TT	GG	1940148921
SNP_P1_24120_10130878	NC_021161.1	Ca_kabuli_chr02	10130878	TT	CC	1940148922
SNP_P1_24121_10131531	NC_021161.1	Ca_kabuli_chr02	10131531	CC	TT	1940148923
SNP_P1_24122_10131534	NC_021161.1	Ca_kabuli_chr02	10131534	GG	CC	1940148924
SNP_P1_24123_10134051	NC_021161.1	Ca_kabuli_chr02	10134051	CC	GG	1940148925
SNP_P1_24124_10138199	NC_021161.1	Ca_kabuli_chr02	10138199	CC	AA	1940148926

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_24125_10144229	NC_021161.1	Ca_kabuli_chr02	10144229	AA	TT	1940148927
SNP_P1_24127_10175093	NC_021161.1	Ca_kabuli_chr02	10175093	CC	TT	1940148928
SNP_P1_24128_10175211	NC_021161.1	Ca_kabuli_chr02	10175211	AA	GG	1940148929
SNP_P1_24129_10186009	NC_021161.1	Ca_kabuli_chr02	10186009	GG	AA	1940148930
SNP_P1_24131_10192125	NC_021161.1	Ca_kabuli_chr02	10192125	GG	TT	1940148931
SNP_P1_24132_10202073	NC_021161.1	Ca_kabuli_chr02	10202073	TT	AA	1940148932
SNP_P1_24134_10206912	NC_021161.1	Ca_kabuli_chr02	10206912	AA	GG	1940148933
SNP_P1_24135_10211143	NC_021161.1	Ca_kabuli_chr02	10211143	CC	TT	1940148934
SNP_P1_24136_10212846	NC_021161.1	Ca_kabuli_chr02	10212846	AA	TT	1940148935
SNP_P1_24137_10215777	NC_021161.1	Ca_kabuli_chr02	10215777	GG	AA	1940148936
SNP_P1_24138_10215786	NC_021161.1	Ca_kabuli_chr02	10215786	GG	TT	1940148938
SNP_P1_24139_10240226	NC_021161.1	Ca_kabuli_chr02	10240226	GG	TT	1940148939
SNP_P1_24141_10246378	NC_021161.1	Ca_kabuli_chr02	10246378	TT	AA	1940148940
SNP_P1_24142_10256042	NC_021161.1	Ca_kabuli_chr02	10256042	GG	AA	1940148941
SNP_P1_24145_10291174	NC_021161.1	Ca_kabuli_chr02	10291174	GG	AA	1940148942
SNP_P1_24146_10320575	NC_021161.1	Ca_kabuli_chr02	10320575	AA	GG	1940148943
SNP_P1_24147_10321013	NC_021161.1	Ca_kabuli_chr02	10321013	GG	TT	1940148944
SNP_P1_24148_10321060	NC_021161.1	Ca_kabuli_chr02	10321060	AA	TT	1940148945
SNP_P1_24149_10321061	NC_021161.1	Ca_kabuli_chr02	10321061	AA	TT	1940148946
SNP_P1_24150_10362062	NC_021161.1	Ca_kabuli_chr02	10362062	AA	GG	1940148947
SNP_P1_24151_10362088	NC_021161.1	Ca_kabuli_chr02	10362088	TT	CC	1940148948
SNP_P1_24152_10362144	NC_021161.1	Ca_kabuli_chr02	10362144	AA	GG	1940148949
SNP_P1_24153_10362194	NC_021161.1	Ca_kabuli_chr02	10362194	CC	GG	1940148950
SNP_P1_24154_10362505	NC_021161.1	Ca_kabuli_chr02	10362505	TT	GG	1940148951
SNP_P1_24156_10388284	NC_021161.1	Ca_kabuli_chr02	10388284	AA	TT	1940148952
SNP_P1_24157_10395215	NC_021161.1	Ca_kabuli_chr02	10395215	CC	AA	1940148953
SNP_P1_24158_10395809	NC_021161.1	Ca_kabuli_chr02	10395809	AA	TT	1940148954
SNP_P1_24159_10395813	NC_021161.1	Ca_kabuli_chr02	10395813	TT	AA	1940148955
SNP_P1_24160_10429262	NC_021161.1	Ca_kabuli_chr02	10429262	GG	AA	1940148956
SNP_P1_24161_10432638	NC_021161.1	Ca_kabuli_chr02	10432638	CC	TT	1940148957
SNP_P1_24162_10467739	NC_021161.1	Ca_kabuli_chr02	10467739	TT	CC	1940148958
SNP_P1_24163_10473937	NC_021161.1	Ca_kabuli_chr02	10473937	GG	TT	1940148959
SNP_P1_24164_10491320	NC_021161.1	Ca_kabuli_chr02	10491320	CC	TT	1940148960
SNP_P1_24166_10500523	NC_021161.1	Ca_kabuli_chr02	10500523	TT	CC	1940148961
SNP_P1_24168_10501769	NC_021161.1	Ca_kabuli_chr02	10501769	AA	GG	1940148962
SNP_P1_24169_10513452	NC_021161.1	Ca_kabuli_chr02	10513452	CC	TT	1940148963
SNP_P1_24171_10540543	NC_021161.1	Ca_kabuli_chr02	10540543	TT	CC	1940148964
SNP_P1_24172_10540607	NC_021161.1	Ca_kabuli_chr02	10540607	CC	GG	1940148965
SNP_P1_24173_10540612	NC_021161.1	Ca_kabuli_chr02	10540612	TT	CC	1940148966
SNP_P1_24174_10540622	NC_021161.1	Ca_kabuli_chr02	10540622	GG	CC	1940148967
SNP_P1_24175_10540822	NC_021161.1	Ca_kabuli_chr02	10540822	TT	CC	1940148968
SNP_P1_24176_10541017	NC_021161.1	Ca_kabuli_chr02	10541017	TT	GG	1940148969

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_24177_10541135	NC_021161.1	Ca_kabuli_chr02	10541135	AA	TT	1940148970
SNP_P1_24178_10541144	NC_021161.1	Ca_kabuli_chr02	10541144	AA	GG	1940148972
SNP_P1_24179_10541157	NC_021161.1	Ca_kabuli_chr02	10541157	AA	GG	1940148973
SNP_P1_24180_10541166	NC_021161.1	Ca_kabuli_chr02	10541166	AA	CC	1940148974
SNP_P1_24181_10541193	NC_021161.1	Ca_kabuli_chr02	10541193	AA	GG	1940148975
SNP_P1_24182_10541203	NC_021161.1	Ca_kabuli_chr02	10541203	GG	AA	1940148976
SNP_P1_24183_10541219	NC_021161.1	Ca_kabuli_chr02	10541219	TT	CC	1940148977
SNP_P1_24184_10541535	NC_021161.1	Ca_kabuli_chr02	10541535	CC	GG	1940148978
SNP_P1_24185_10544398	NC_021161.1	Ca_kabuli_chr02	10544398	AA	TT	1940148979
SNP_P1_24186_10544614	NC_021161.1	Ca_kabuli_chr02	10544614	TT	CC	1940148980
SNP_P1_24187_10544629	NC_021161.1	Ca_kabuli_chr02	10544629	GG	AA	1940148981
SNP_P1_24188_10544688	NC_021161.1	Ca_kabuli_chr02	10544688	AA	CC	1940148982
SNP_P1_24189_10544789	NC_021161.1	Ca_kabuli_chr02	10544789	TT	AA	1940148983
SNP_P1_24190_10554065	NC_021161.1	Ca_kabuli_chr02	10554065	CC	TT	1940148984
SNP_P1_24193_10598618	NC_021161.1	Ca_kabuli_chr02	10598618	CC	TT	1940148985
SNP_P1_24194_10599713	NC_021161.1	Ca_kabuli_chr02	10599713	AA	CC	1940148986
SNP_P1_24195_10599714	NC_021161.1	Ca_kabuli_chr02	10599714	AA	TT	1940148987
SNP_P1_24196_10647147	NC_021161.1	Ca_kabuli_chr02	10647147	TT	CC	1940148988
SNP_P1_24197_10661523	NC_021161.1	Ca_kabuli_chr02	10661523	TT	CC	1940148989
SNP_P1_24198_10661988	NC_021161.1	Ca_kabuli_chr02	10661988	CC	TT	1940148990
SNP_P1_24199_10662037	NC_021161.1	Ca_kabuli_chr02	10662037	GG	CC	1940148991
SNP_P1_24200_10662169	NC_021161.1	Ca_kabuli_chr02	10662169	GG	AA	1940148992
SNP_P1_24201_10662249	NC_021161.1	Ca_kabuli_chr02	10662249	AA	GG	1940148993
SNP_P1_24203_10664204	NC_021161.1	Ca_kabuli_chr02	10664204	AA	GG	1940148994
SNP_P1_24204_10664264	NC_021161.1	Ca_kabuli_chr02	10664264	GG	CC	1940148995
SNP_P1_24205_10664398	NC_021161.1	Ca_kabuli_chr02	10664398	CC	GG	1940148996
SNP_P1_24206_10664624	NC_021161.1	Ca_kabuli_chr02	10664624	TT	AA	1940148997
SNP_P1_24207_10664639	NC_021161.1	Ca_kabuli_chr02	10664639	GG	AA	1940148998
SNP_P1_24208_10664658	NC_021161.1	Ca_kabuli_chr02	10664658	AA	GG	1940148999
SNP_P1_24209_10664667	NC_021161.1	Ca_kabuli_chr02	10664667	AA	GG	1940149000
SNP_P1_24210_10664677	NC_021161.1	Ca_kabuli_chr02	10664677	TT	GG	1940149001
SNP_P1_24211_10664697	NC_021161.1	Ca_kabuli_chr02	10664697	TT	CC	1940149002
SNP_P1_24212_10664711	NC_021161.1	Ca_kabuli_chr02	10664711	TT	CC	1940149003
SNP_P1_24213_10664715	NC_021161.1	Ca_kabuli_chr02	10664715	TT	GG	1940149004
SNP_P1_24214_10664729	NC_021161.1	Ca_kabuli_chr02	10664729	TT	CC	1940149005
SNP_P1_24215_10696997	NC_021161.1	Ca_kabuli_chr02	10696997	TT	CC	1940149006
SNP_P1_24216_10714151	NC_021161.1	Ca_kabuli_chr02	10714151	TT	CC	1940149007
SNP_P1_24217_10719924	NC_021161.1	Ca_kabuli_chr02	10719924	TT	CC	1940149008
SNP_P1_24218_10719935	NC_021161.1	Ca_kabuli_chr02	10719935	GG	AA	1940149009
SNP_P1_24220_10725453	NC_021161.1	Ca_kabuli_chr02	10725453	TT	GG	1940149011
SNP_P1_24221_10725473	NC_021161.1	Ca_kabuli_chr02	10725473	TT	CC	1940149012
SNP_P1_24222_10759163	NC_021161.1	Ca_kabuli_chr02	10759163	AA	TT	1940149013

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24224_10767041	NC_021161.1	Ca_kabuli_chr02	10767041	AA	CC	1940149015
SNP_P1_24225_10767088	NC_021161.1	Ca_kabuli_chr02	10767088	AA	TT	1940149016
SNP_P1_24226_10767089	NC_021161.1	Ca_kabuli_chr02	10767089	TT	CC	1940149017
SNP_P1_24227_10767213	NC_021161.1	Ca_kabuli_chr02	10767213	AA	GG	1940149018
SNP_P1_24228_10767437	NC_021161.1	Ca_kabuli_chr02	10767437	CC	TT	1940149019
SNP_P1_24229_10767446	NC_021161.1	Ca_kabuli_chr02	10767446	GG	AA	1940149020
SNP_P1_24230_10767447	NC_021161.1	Ca_kabuli_chr02	10767447	GG	AA	1940149021
SNP_P1_24231_10767568	NC_021161.1	Ca_kabuli_chr02	10767568	GG	AA	1940149022
SNP_P1_24232_10767569	NC_021161.1	Ca_kabuli_chr02	10767569	AA	GG	1940149023
SNP_P1_24233_10767573	NC_021161.1	Ca_kabuli_chr02	10767573	GG	AA	1940149024
SNP_P1_24234_10767614	NC_021161.1	Ca_kabuli_chr02	10767614	TT	CC	1940149025
SNP_P1_24235_10767631	NC_021161.1	Ca_kabuli_chr02	10767631	TT	AA	1940149026
SNP_P1_24236_10767634	NC_021161.1	Ca_kabuli_chr02	10767634	AA	TT	1940149027
SNP_P1_24237_10767653	NC_021161.1	Ca_kabuli_chr02	10767653	GG	AA	1940149028
SNP_P1_24238_10767785	NC_021161.1	Ca_kabuli_chr02	10767785	AA	CC	1940149029
SNP_P1_24239_10770529	NC_021161.1	Ca_kabuli_chr02	10770529	CC	TT	1940149030
SNP_P1_24241_10777352	NC_021161.1	Ca_kabuli_chr02	10777352	TT	CC	1940149031
SNP_P1_24242_10777357	NC_021161.1	Ca_kabuli_chr02	10777357	TT	CC	1940149032
SNP_P1_24243_10777359	NC_021161.1	Ca_kabuli_chr02	10777359	GG	AA	1940149033
SNP_P1_24244_10777409	NC_021161.1	Ca_kabuli_chr02	10777409	GG	AA	1940149034
SNP_P1_24245_10777423	NC_021161.1	Ca_kabuli_chr02	10777423	TT	GG	1940149035
SNP_P1_24246_10777636	NC_021161.1	Ca_kabuli_chr02	10777636	TT	CC	1940149036
SNP_P1_24247_10777643	NC_021161.1	Ca_kabuli_chr02	10777643	GG	TT	1940149037
SNP_P1_24248_10777711	NC_021161.1	Ca_kabuli_chr02	10777711	TT	CC	1940149038
SNP_P1_24249_10778174	NC_021161.1	Ca_kabuli_chr02	10778174	GG	TT	1940149039
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SNP_P1_24251_10778534	NC_021161.1	Ca_kabuli_chr02	10778534	CC	AA	1940149041
SNP_P1_24252_10778697	NC_021161.1	Ca_kabuli_chr02	10778697	GG	CC	1940149042
SNP_P1_24253_10778702	NC_021161.1	Ca_kabuli_chr02	10778702	TT	AA	1940149043
SNP_P1_24254_10778739	NC_021161.1	Ca_kabuli_chr02	10778739	AA	TT	1940149044
SNP_P1_24255_10778744	NC_021161.1	Ca_kabuli_chr02	10778744	TT	CC	1940149045
SNP_P1_24256_10778745	NC_021161.1	Ca_kabuli_chr02	10778745	CC	TT	1940149046
SNP_P1_24257_10778781	NC_021161.1	Ca_kabuli_chr02	10778781	TT	CC	1940149047
SNP_P1_24258_10778787	NC_021161.1	Ca_kabuli_chr02	10778787	AA	CC	1940149048
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SNP_P1_24260_10778986	NC_021161.1	Ca_kabuli_chr02	10778986	CC	TT	1940149050
SNP_P1_24261_10779028	NC_021161.1	Ca_kabuli_chr02	10779028	CC	TT	1940149051
SNP_P1_24262_10779054	NC_021161.1	Ca_kabuli_chr02	10779054	TT	CC	1940149052
SNP_P1_24263_10779060	NC_021161.1	Ca_kabuli_chr02	10779060	GG	AA	1940149053
SNP_P1_24264_10779069	NC_021161.1	Ca_kabuli_chr02	10779069	TT	CC	1940149054
SNP_P1_24266_10779156	NC_021161.1	Ca_kabuli_chr02	10779156	TT	CC	1940149055

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24268_10779270	NC_021161.1	Ca_kabuli_chr02	10779270	GG	TT	1940149057
SNP_P1_24269_10779304	NC_021161.1	Ca_kabuli_chr02	10779304	TT	AA	1940149058
SNP_P1_24270_10779312	NC_021161.1	Ca_kabuli_chr02	10779312	TT	CC	1940149059
SNP_P1_24271_10779338	NC_021161.1	Ca_kabuli_chr02	10779338	CC	TT	1940149060
SNP_P1_24272_10779374	NC_021161.1	Ca_kabuli_chr02	10779374	TT	CC	1940149062
SNP_P1_24273_10779384	NC_021161.1	Ca_kabuli_chr02	10779384	TT	CC	1940149063
SNP_P1_24274_10779528	NC_021161.1	Ca_kabuli_chr02	10779528	CC	TT	1940149064
SNP_P1_24275_10779600	NC_021161.1	Ca_kabuli_chr02	10779600	GG	CC	1940149065
SNP_P1_24276_10780048	NC_021161.1	Ca_kabuli_chr02	10780048	TT	AA	1940149066
SNP_P1_24277_10789842	NC_021161.1	Ca_kabuli_chr02	10789842	TT	CC	1940149067
SNP_P1_24278_10789973	NC_021161.1	Ca_kabuli_chr02	10789973	AA	GG	1940149068
SNP_P1_24279_10790042	NC_021161.1	Ca_kabuli_chr02	10790042	AA	GG	1940149069
SNP_P1_24280_10794596	NC_021161.1	Ca_kabuli_chr02	10794596	GG	AA	1940149070
SNP_P1_24281_10794634	NC_021161.1	Ca_kabuli_chr02	10794634	AA	TT	1940149071
SNP_P1_24282_10794943	NC_021161.1	Ca_kabuli_chr02	10794943	AA	TT	1940149072
SNP_P1_24283_10795000	NC_021161.1	Ca_kabuli_chr02	10795000	TT	CC	1940149073
SNP_P1_24284_10795042	NC_021161.1	Ca_kabuli_chr02	10795042	TT	CC	1940149074
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SNP_P1_24286_10795817	NC_021161.1	Ca_kabuli_chr02	10795817	CC	TT	1940149076
SNP_P1_24287_10795820	NC_021161.1	Ca_kabuli_chr02	10795820	AA	GG	1940149077
SNP_P1_24288_10796699	NC_021161.1	Ca_kabuli_chr02	10796699	GG	AA	1940149078
SNP_P1_24289_10796916	NC_021161.1	Ca_kabuli_chr02	10796916	CC	TT	1940149079
SNP_P1_24290_10809971	NC_021161.1	Ca_kabuli_chr02	10809971	AA	GG	1940149080
SNP_P1_24291_10816473	NC_021161.1	Ca_kabuli_chr02	10816473	AA	GG	1940149081
SNP_P1_24292_10823190	NC_021161.1	Ca_kabuli_chr02	10823190	AA	CC	1940149082
SNP_P1_24293_10826250	NC_021161.1	Ca_kabuli_chr02	10826250	GG	AA	1940149083
SNP_P1_24294_10826260	NC_021161.1	Ca_kabuli_chr02	10826260	TT	CC	1940149084
SNP_P1_24295_10826266	NC_021161.1	Ca_kabuli_chr02	10826266	TT	CC	1940149085
SNP_P1_24296_10834714	NC_021161.1	Ca_kabuli_chr02	10834714	CC	TT	1940149086
SNP_P1_24297_10834750	NC_021161.1	Ca_kabuli_chr02	10834750	AA	GG	1940149087
SNP_P1_24298_10834756	NC_021161.1	Ca_kabuli_chr02	10834756	TT	CC	1940149088
SNP_P1_24299_10834792	NC_021161.1	Ca_kabuli_chr02	10834792	TT	CC	1940149089
SNP_P1_24300_10834801	NC_021161.1	Ca_kabuli_chr02	10834801	GG	AA	1940149090
SNP_P1_24301_10834819	NC_021161.1	Ca_kabuli_chr02	10834819	TT	CC	1940149091
SNP_P1_24302_10834835	NC_021161.1	Ca_kabuli_chr02	10834835	TT	CC	1940149092
SNP_P1_24303_10834837	NC_021161.1	Ca_kabuli_chr02	10834837	CC	TT	1940149093
SNP_P1_24304_10834846	NC_021161.1	Ca_kabuli_chr02	10834846	TT	CC	1940149094
SNP_P1_24305_10834867	NC_021161.1	Ca_kabuli_chr02	10834867	CC	TT	1940149095
SNP_P1_24306_10834879	NC_021161.1	Ca_kabuli_chr02	10834879	TT	CC	1940149096
SNP_P1_24307_10834882	NC_021161.1	Ca_kabuli_chr02	10834882	GG	AA	1940149097
SNP_P1_24308_10834891	NC_021161.1	Ca_kabuli_chr02	10834891	TT	CC	1940149098

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_24309_10834957	NC_021161.1	Ca_kabuli_chr02	10834957	TT	CC	1940149099
SNP_P1_24310_10835017	NC_021161.1	Ca_kabuli_chr02	10835017	AA	GG	1940149100
SNP_P1_24311_10835065	NC_021161.1	Ca_kabuli_chr02	10835065	TT	CC	1940149101
SNP_P1_24312_10835113	NC_021161.1	Ca_kabuli_chr02	10835113	GG	AA	1940149102
SNP_P1_24313_10835146	NC_021161.1	Ca_kabuli_chr02	10835146	AA	GG	1940149103
SNP_P1_24314_10835167	NC_021161.1	Ca_kabuli_chr02	10835167	TT	CC	1940149104
SNP_P1_24315_10835173	NC_021161.1	Ca_kabuli_chr02	10835173	CC	TT	1940149105
SNP_P1_24316_10835179	NC_021161.1	Ca_kabuli_chr02	10835179	AA	GG	1940149106
SNP_P1_24317_10835201	NC_021161.1	Ca_kabuli_chr02	10835201	TT	CC	1940149107
SNP_P1_24318_10840373	NC_021161.1	Ca_kabuli_chr02	10840373	TT	AA	1940149108
SNP_P1_24319_10840879	NC_021161.1	Ca_kabuli_chr02	10840879	AA	GG	1940149110
SNP_P1_24320_10840905	NC_021161.1	Ca_kabuli_chr02	10840905	GG	AA	1940149111
SNP_P1_24321_10840939	NC_021161.1	Ca_kabuli_chr02	10840939	AA	GG	1940149112
SNP_P1_24322_10840950	NC_021161.1	Ca_kabuli_chr02	10840950	GG	AA	1940149113
SNP_P1_24323_10841037	NC_021161.1	Ca_kabuli_chr02	10841037	AA	TT	1940149114
SNP_P1_24324_10843897	NC_021161.1	Ca_kabuli_chr02	10843897	CC	TT	1940149115
SNP_P1_24325_10850021	NC_021161.1	Ca_kabuli_chr02	10850021	AA	CC	1940149116
SNP_P1_24326_10850065	NC_021161.1	Ca_kabuli_chr02	10850065	CC	AA	1940149117
SNP_P1_24327_10851085	NC_021161.1	Ca_kabuli_chr02	10851085	GG	AA	1940149118
SNP_P1_24328_10851090	NC_021161.1	Ca_kabuli_chr02	10851090	CC	TT	1940149119
SNP_P1_24329_10851248	NC_021161.1	Ca_kabuli_chr02	10851248	CC	TT	1940149120
SNP_P1_24330_10851271	NC_021161.1	Ca_kabuli_chr02	10851271	GG	AA	1940149121
SNP_P1_24331_10851299	NC_021161.1	Ca_kabuli_chr02	10851299	TT	CC	1940149122
SNP_P1_24333_10878591	NC_021161.1	Ca_kabuli_chr02	10878591	CC	TT	1940149123
SNP_P1_24334_10878855	NC_021161.1	Ca_kabuli_chr02	10878855	AA	GG	1940149124
SNP_P1_24335_10878921	NC_021161.1	Ca_kabuli_chr02	10878921	AA	GG	1940149125
SNP_P1_24336_10879462	NC_021161.1	Ca_kabuli_chr02	10879462	TT	CC	1940149126
SNP_P1_24337_10880648	NC_021161.1	Ca_kabuli_chr02	10880648	TT	CC	1940149127
SNP_P1_24338_10893891	NC_021161.1	Ca_kabuli_chr02	10893891	AA	GG	1940149128
SNP_P1_24339_10893905	NC_021161.1	Ca_kabuli_chr02	10893905	TT	CC	1940149129
SNP_P1_24340_10893974	NC_021161.1	Ca_kabuli_chr02	10893974	TT	CC	1940149130
SNP_P1_24341_10893981	NC_021161.1	Ca_kabuli_chr02	10893981	CC	TT	1940149131
SNP_P1_24342_10894291	NC_021161.1	Ca_kabuli_chr02	10894291	TT	CC	1940149132
SNP_P1_24343_10894299	NC_021161.1	Ca_kabuli_chr02	10894299	TT	CC	1940149133
SNP_P1_24344_10894374	NC_021161.1	Ca_kabuli_chr02	10894374	TT	CC	1940149134
SNP_P1_24345_10896405	NC_021161.1	Ca_kabuli_chr02	10896405	GG	AA	1940149135
SNP_P1_24346_10896412	NC_021161.1	Ca_kabuli_chr02	10896412	CC	TT	1940149136
SNP_P1_24347_10901300	NC_021161.1	Ca_kabuli_chr02	10901300	TT	AA	1940149137
SNP_P1_24348_10901543	NC_021161.1	Ca_kabuli_chr02	10901543	GG	AA	1940149138
SNP_P1_24349_10901937	NC_021161.1	Ca_kabuli_chr02	10901937	GG	AA	1940149140
SNP_P1_24350_10901940	NC_021161.1	Ca_kabuli_chr02	10901940	GG	AA	1940149141
SNP_P1_24351_10904384	NC_021161.1	Ca_kabuli_chr02	10904384	CC	GG	1940149142

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24353_10904499	NC_021161.1	Ca_kabuli_chr02	10904499	AA	TT	1940149144
SNP_P1_24354_10904511	NC_021161.1	Ca_kabuli_chr02	10904511	GG	AA	1940149145
SNP_P1_24355_10905352	NC_021161.1	Ca_kabuli_chr02	10905352	GG	AA	1940149146
SNP_P1_24356_10913183	NC_021161.1	Ca_kabuli_chr02	10913183	GG	AA	1940149147
SNP_P1_24357_10913304	NC_021161.1	Ca_kabuli_chr02	10913304	GG	AA	1940149148
SNP_P1_24360_10947995	NC_021161.1	Ca_kabuli_chr02	10947995	AA	GG	1940149149
SNP_P1_24362_10949930	NC_021161.1	Ca_kabuli_chr02	10949930	AA	GG	1940149150
SNP_P1_24363_10958803	NC_021161.1	Ca_kabuli_chr02	10958803	AA	TT	1940149151
SNP_P1_24364_11009850	NC_021161.1	Ca_kabuli_chr02	11009850	CC	TT	1940149152
SNP_P1_24365_11010066	NC_021161.1	Ca_kabuli_chr02	11010066	GG	AA	1940149153
SNP_P1_24366_11010144	NC_021161.1	Ca_kabuli_chr02	11010144	CC	AA	1940149154
SNP_P1_24367_11010146	NC_021161.1	Ca_kabuli_chr02	11010146	GG	AA	1940149155
SNP_P1_24368_11010275	NC_021161.1	Ca_kabuli_chr02	11010275	TT	AA	1940149156
SNP_P1_24369_11012481	NC_021161.1	Ca_kabuli_chr02	11012481	GG	AA	1940149157
SNP_P1_24370_11013208	NC_021161.1	Ca_kabuli_chr02	11013208	CC	TT	1940149158
SNP_P1_24371_11015285	NC_021161.1	Ca_kabuli_chr02	11015285	TT	CC	1940149159
SNP_P1_24372_11031037	NC_021161.1	Ca_kabuli_chr02	11031037	AA	GG	1940149160
SNP_P1_24373_11031144	NC_021161.1	Ca_kabuli_chr02	11031144	GG	TT	1940149161
SNP_P1_24374_11031221	NC_021161.1	Ca_kabuli_chr02	11031221	AA	CC	1940149162
SNP_P1_24375_11055665	NC_021161.1	Ca_kabuli_chr02	11055665	AA	CC	1940149163
SNP_P1_24376_11055780	NC_021161.1	Ca_kabuli_chr02	11055780	TT	CC	1940149164
SNP_P1_24377_11055805	NC_021161.1	Ca_kabuli_chr02	11055805	AA	TT	1940149166
SNP_P1_24378_11055863	NC_021161.1	Ca_kabuli_chr02	11055863	GG	AA	1940149167
SNP_P1_24379_11055915	NC_021161.1	Ca_kabuli_chr02	11055915	AA	GG	1940149168
SNP_P1_24380_11056104	NC_021161.1	Ca_kabuli_chr02	11056104	AA	GG	1940149169
SNP_P1_24381_11056114	NC_021161.1	Ca_kabuli_chr02	11056114	TT	CC	1940149170
SNP_P1_24382_11056205	NC_021161.1	Ca_kabuli_chr02	11056205	AA	GG	1940149171
SNP_P1_24383_11056210	NC_021161.1	Ca_kabuli_chr02	11056210	TT	AA	1940149172
SNP_P1_24384_11056215	NC_021161.1	Ca_kabuli_chr02	11056215	AA	GG	1940149173
SNP_P1_24385_11056299	NC_021161.1	Ca_kabuli_chr02	11056299	AA	GG	1940149174
SNP_P1_24386_11056309	NC_021161.1	Ca_kabuli_chr02	11056309	AA	GG	1940149175
SNP_P1_24387_11056315	NC_021161.1	Ca_kabuli_chr02	11056315	TT	CC	1940149176
SNP_P1_24388_11056356	NC_021161.1	Ca_kabuli_chr02	11056356	AA	TT	1940149177
SNP_P1_24389_11056375	NC_021161.1	Ca_kabuli_chr02	11056375	GG	AA	1940149178
SNP_P1_24390_11061813	NC_021161.1	Ca_kabuli_chr02	11061813	TT	AA	1940149179
SNP_P1_24391_11063567	NC_021161.1	Ca_kabuli_chr02	11063567	CC	AA	1940149180
SNP_P1_24392_11063568	NC_021161.1	Ca_kabuli_chr02	11063568	TT	AA	1940149181
SNP_P1_24393_11063613	NC_021161.1	Ca_kabuli_chr02	11063613	TT	CC	1940149182
SNP_P1_24394_11063643	NC_021161.1	Ca_kabuli_chr02	11063643	CC	AA	1940149183
SNP_P1_24395_11063719	NC_021161.1	Ca_kabuli_chr02	11063719	GG	TT	1940149184
SNP_P1_24396_11063749	NC_021161.1	Ca_kabuli_chr02	11063749	GG	TT	1940149186

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24398_11063914	NC_021161.1	Ca_kabuli_chr02	11063914	AA	GG	1940149188
SNP_P1_24399_11083452	NC_021161.1	Ca_kabuli_chr02	11083452	TT	CC	1940149189
SNP_P1_24400_11085984	NC_021161.1	Ca_kabuli_chr02	11085984	CC	TT	1940149190
SNP_P1_24401_11085995	NC_021161.1	Ca_kabuli_chr02	11085995	CC	AA	1940149191
SNP_P1_24402_11087459	NC_021161.1	Ca_kabuli_chr02	11087459	AA	GG	1940149192
SNP_P1_24403_11106050	NC_021161.1	Ca_kabuli_chr02	11106050	TT	AA	1940149193
SNP_P1_24404_11109122	NC_021161.1	Ca_kabuli_chr02	11109122	GG	AA	1940149194
SNP_P1_24405_11128224	NC_021161.1	Ca_kabuli_chr02	11128224	TT	CC	1940149195
SNP_P1_24406_11128228	NC_021161.1	Ca_kabuli_chr02	11128228	TT	AA	1940149196
SNP_P1_24407_11128277	NC_021161.1	Ca_kabuli_chr02	11128277	GG	AA	1940149197
SNP_P1_24408_11128297	NC_021161.1	Ca_kabuli_chr02	11128297	AA	CC	1940149198
SNP_P1_24409_11143998	NC_021161.1	Ca_kabuli_chr02	11143998	GG	CC	1940149199
SNP_P1_24410_11144016	NC_021161.1	Ca_kabuli_chr02	11144016	TT	CC	1940149200
SNP_P1_24411_11144035	NC_021161.1	Ca_kabuli_chr02	11144035	AA	GG	1940149201
SNP_P1_24412_11144068	NC_021161.1	Ca_kabuli_chr02	11144068	TT	CC	1940149202
SNP_P1_24414_11144093	NC_021161.1	Ca_kabuli_chr02	11144093	GG	AA	1940149204
SNP_P1_24415_11144095	NC_021161.1	Ca_kabuli_chr02	11144095	AA	GG	1940149205
SNP_P1_24416_11144105	NC_021161.1	Ca_kabuli_chr02	11144105	CC	TT	1940149206
SNP_P1_24417_11144114	NC_021161.1	Ca_kabuli_chr02	11144114	TT	CC	1940149207
SNP_P1_24418_11144152	NC_021161.1	Ca_kabuli_chr02	11144152	AA	GG	1940149208
SNP_P1_24419_11144153	NC_021161.1	Ca_kabuli_chr02	11144153	TT	CC	1940149209
SNP_P1_24420_11144181	NC_021161.1	Ca_kabuli_chr02	11144181	AA	GG	1940149210
SNP_P1_24422_11144339	NC_021161.1	Ca_kabuli_chr02	11144339	AA	GG	1940149211
SNP_P1_24423_11144366	NC_021161.1	Ca_kabuli_chr02	11144366	GG	TT	1940149212
SNP_P1_24424_11144393	NC_021161.1	Ca_kabuli_chr02	11144393	AA	CC	1940149213
SNP_P1_24425_11144447	NC_021161.1	Ca_kabuli_chr02	11144447	AA	GG	1940149214
SNP_P1_24427_11157604	NC_021161.1	Ca_kabuli_chr02	11157604	GG	TT	1940149215
SNP_P1_24428_11157605	NC_021161.1	Ca_kabuli_chr02	11157605	CC	TT	1940149216
SNP_P1_24430_11193994	NC_021161.1	Ca_kabuli_chr02	11193994	AA	CC	1940149217
SNP_P1_24431_11195496	NC_021161.1	Ca_kabuli_chr02	11195496	CC	TT	1940149218
SNP_P1_24432_11197678	NC_021161.1	Ca_kabuli_chr02	11197678	AA	GG	1940149219
SNP_P1_24433_11207212	NC_021161.1	Ca_kabuli_chr02	11207212	TT	AA	1940149220
SNP_P1_24434_11219180	NC_021161.1	Ca_kabuli_chr02	11219180	GG	TT	1940149221
SNP_P1_24435_11223010	NC_021161.1	Ca_kabuli_chr02	11223010	TT	AA	1940149222
SNP_P1_24437_11239855	NC_021161.1	Ca_kabuli_chr02	11239855	AA	GG	1940149223
SNP_P1_24438_11240139	NC_021161.1	Ca_kabuli_chr02	11240139	GG	TT	1940149225
SNP_P1_24439_11240143	NC_021161.1	Ca_kabuli_chr02	11240143	GG	AA	1940149226
SNP_P1_24441_11242396	NC_021161.1	Ca_kabuli_chr02	11242396	AA	GG	1940149227
SNP_P1_24442_11243022	NC_021161.1	Ca_kabuli_chr02	11243022	AA	GG	1940149228
SNP_P1_24443_11246336	NC_021161.1	Ca_kabuli_chr02	11246336	TT	GG	1940149229
SNP_P1_24444_11246358	NC_021161.1	Ca_kabuli_chr02	11246358	AA	GG	1940149230

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24446_11246576	NC_021161.1	Ca_kabuli_chr02	11246576	TT	CC	1940149232
SNP_P1_24447_11246612	NC_021161.1	Ca_kabuli_chr02	11246612	AA	GG	1940149233
SNP_P1_24448_11246915	NC_021161.1	Ca_kabuli_chr02	11246915	TT	GG	1940149234
SNP_P1_24449_11249631	NC_021161.1	Ca_kabuli_chr02	11249631	CC	TT	1940149235
SNP_P1_24451_11289757	NC_021161.1	Ca_kabuli_chr02	11289757	GG	AA	1940149236
SNP_P1_24452_11293845	NC_021161.1	Ca_kabuli_chr02	11293845	TT	AA	1940149237
SNP_P1_24453_11295422	NC_021161.1	Ca_kabuli_chr02	11295422	CC	AA	1940149238
SNP_P1_24454_11297372	NC_021161.1	Ca_kabuli_chr02	11297372	GG	AA	1940149239
SNP_P1_24455_11309554	NC_021161.1	Ca_kabuli_chr02	11309554	GG	AA	1940149240
SNP_P1_24456_11309579	NC_021161.1	Ca_kabuli_chr02	11309579	CC	AA	1940149241
SNP_P1_24457_11309997	NC_021161.1	Ca_kabuli_chr02	11309997	TT	AA	1940149242
SNP_P1_24458_11310032	NC_021161.1	Ca_kabuli_chr02	11310032	TT	CC	1940149243
SNP_P1_24459_11312434	NC_021161.1	Ca_kabuli_chr02	11312434	AA	TT	1940149244
SNP_P1_24460_11312694	NC_021161.1	Ca_kabuli_chr02	11312694	TT	AA	1940149245
SNP_P1_24461_11313918	NC_021161.1	Ca_kabuli_chr02	11313918	TT	CC	1940149246
SNP_P1_24462_11319404	NC_021161.1	Ca_kabuli_chr02	11319404	CC	TT	1940149247
SNP_P1_24463_11329965	NC_021161.1	Ca_kabuli_chr02	11329965	CC	AA	1940149248
SNP_P1_24464_11344807	NC_021161.1	Ca_kabuli_chr02	11344807	TT	AA	1940149249
SNP_P1_24465_11344808	NC_021161.1	Ca_kabuli_chr02	11344808	AA	GG	1940149250
SNP_P1_24466_11345099	NC_021161.1	Ca_kabuli_chr02	11345099	GG	AA	1940149251
SNP_P1_24467_11363905	NC_021161.1	Ca_kabuli_chr02	11363905	GG	AA	1940149252
SNP_P1_24468_11368738	NC_021161.1	Ca_kabuli_chr02	11368738	GG	AA	1940149253
SNP_P1_24469_11398170	NC_021161.1	Ca_kabuli_chr02	11398170	CC	TT	1940149254
SNP_P1_24470_11399990	NC_021161.1	Ca_kabuli_chr02	11399990	TT	AA	1940149255
SNP_P1_24471_11423116	NC_021161.1	Ca_kabuli_chr02	11423116	AA	TT	1940149257
SNP_P1_24473_11497843	NC_021161.1	Ca_kabuli_chr02	11497843	AA	GG	1940149258
SNP_P1_24475_11507000	NC_021161.1	Ca_kabuli_chr02	11507000	CC	TT	1940149259
SNP_P1_24477_11535694	NC_021161.1	Ca_kabuli_chr02	11535694	GG	TT	1940149260
SNP_P1_24478_11536047	NC_021161.1	Ca_kabuli_chr02	11536047	TT	CC	1940149261
SNP_P1_24479_11538253	NC_021161.1	Ca_kabuli_chr02	11538253	CC	TT	1940149262
SNP_P1_24480_11538259	NC_021161.1	Ca_kabuli_chr02	11538259	GG	TT	1940149263
SNP_P1_24481_11539468	NC_021161.1	Ca_kabuli_chr02	11539468	CC	AA	1940149264
SNP_P1_24482_11539599	NC_021161.1	Ca_kabuli_chr02	11539599	GG	AA	1940149265
SNP_P1_24483_11548147	NC_021161.1	Ca_kabuli_chr02	11548147	AA	GG	1940149266
SNP_P1_24484_11570563	NC_021161.1	Ca_kabuli_chr02	11570563	TT	GG	1940149267
SNP_P1_24485_11574338	NC_021161.1	Ca_kabuli_chr02	11574338	AA	TT	1940149268
SNP_P1_24486_11576571	NC_021161.1	Ca_kabuli_chr02	11576571	GG	AA	1940149269
SNP_P1_24487_11584734	NC_021161.1	Ca_kabuli_chr02	11584734	GG	AA	1940149270
SNP_P1_24488_11611169	NC_021161.1	Ca_kabuli_chr02	11611169	TT	CC	1940149271
SNP_P1_24490_11644772	NC_021161.1	Ca_kabuli_chr02	11644772	AA	TT	1940149272
SNP_P1_24492_11653666	NC_021161.1	Ca_kabuli_chr02	11653666	TT	AA	1940149273

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24494_11670804	NC_021161.1	Ca_kabuli_chr02	11670804	GG	AA	1940149275
SNP_P1_24495_11670811	NC_021161.1	Ca_kabuli_chr02	11670811	AA	TT	1940149276
SNP_P1_24496_11670823	NC_021161.1	Ca_kabuli_chr02	11670823	GG	AA	1940149277
SNP_P1_24497_11671192	NC_021161.1	Ca_kabuli_chr02	11671192	CC	TT	1940149278
SNP_P1_24499_11671404	NC_021161.1	Ca_kabuli_chr02	11671404	TT	CC	1940149279
SNP_P1_24500_11671632	NC_021161.1	Ca_kabuli_chr02	11671632	GG	AA	1940149280
SNP_P1_24501_11671642	NC_021161.1	Ca_kabuli_chr02	11671642	AA	GG	1940149281
SNP_P1_24502_11671713	NC_021161.1	Ca_kabuli_chr02	11671713	AA	TT	1940149282
SNP_P1_24503_11671783	NC_021161.1	Ca_kabuli_chr02	11671783	TT	CC	1940149283
SNP_P1_24504_11674529	NC_021161.1	Ca_kabuli_chr02	11674529	GG	AA	1940149284
SNP_P1_24505_11674547	NC_021161.1	Ca_kabuli_chr02	11674547	CC	AA	1940149285
SNP_P1_24506_11678996	NC_021161.1	Ca_kabuli_chr02	11678996	TT	GG	1940149286
SNP_P1_24507_11686699	NC_021161.1	Ca_kabuli_chr02	11686699	GG	AA	1940149287
SNP_P1_24508_11697943	NC_021161.1	Ca_kabuli_chr02	11697943	TT	AA	1940149288
SNP_P1_24511_11722912	NC_021161.1	Ca_kabuli_chr02	11722912	TT	AA	1940149290
SNP_P1_24513_11726208	NC_021161.1	Ca_kabuli_chr02	11726208	CC	AA	1940149291
SNP_P1_24514_11726258	NC_021161.1	Ca_kabuli_chr02	11726258	TT	CC	1940149292
SNP_P1_24515_11726453	NC_021161.1	Ca_kabuli_chr02	11726453	AA	TT	1940149293
SNP_P1_24516_11726460	NC_021161.1	Ca_kabuli_chr02	11726460	AA	TT	1940149294
SNP_P1_24518_11728372	NC_021161.1	Ca_kabuli_chr02	11728372	CC	TT	1940149295
SNP_P1_24519_11728382	NC_021161.1	Ca_kabuli_chr02	11728382	GG	CC	1940149296
SNP_P1_24520_11728384	NC_021161.1	Ca_kabuli_chr02	11728384	AA	GG	1940149297
SNP_P1_24521_11728460	NC_021161.1	Ca_kabuli_chr02	11728460	TT	GG	1940149298
SNP_P1_24522_11769132	NC_021161.1	Ca_kabuli_chr02	11769132	CC	TT	1940149299
SNP_P1_24523_11773962	NC_021161.1	Ca_kabuli_chr02	11773962	AA	GG	1940149300
SNP_P1_24524_11775154	NC_021161.1	Ca_kabuli_chr02	11775154	AA	TT	1940149301
SNP_P1_24525_11783988	NC_021161.1	Ca_kabuli_chr02	11783988	AA	CC	1940149302
SNP_P1_24526_11786744	NC_021161.1	Ca_kabuli_chr02	11786744	TT	AA	1940149303
SNP_P1_24527_11787137	NC_021161.1	Ca_kabuli_chr02	11787137	TT	GG	1940149304
SNP_P1_24528_11787198	NC_021161.1	Ca_kabuli_chr02	11787198	AA	GG	1940149305
SNP_P1_24529_11815119	NC_021161.1	Ca_kabuli_chr02	11815119	GG	AA	1940149306
SNP_P1_24531_11830657	NC_021161.1	Ca_kabuli_chr02	11830657	CC	TT	1940149307
SNP_P1_24532_11841008	NC_021161.1	Ca_kabuli_chr02	11841008	GG	AA	1940149308
SNP_P1_24533_11841346	NC_021161.1	Ca_kabuli_chr02	11841346	CC	TT	1940149309
SNP_P1_24535_11896134	NC_021161.1	Ca_kabuli_chr02	11896134	TT	AA	1940149310
SNP_P1_24536_11897400	NC_021161.1	Ca_kabuli_chr02	11897400	TT	CC	1940149311
SNP_P1_24537_11909245	NC_021161.1	Ca_kabuli_chr02	11909245	CC	TT	1940149312
SNP_P1_24538_11917166	NC_021161.1	Ca_kabuli_chr02	11917166	GG	AA	1940149313
SNP_P1_24539_11918492	NC_021161.1	Ca_kabuli_chr02	11918492	GG	TT	1940149314
SNP_P1_24540_11930260	NC_021161.1	Ca_kabuli_chr02	11930260	AA	GG	1940149315
SNP_P1_24542_11940682	NC_021161.1	Ca_kabuli_chr02	11940682	CC	TT	1940149316

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24544_11940858	NC_021161.1	Ca_kabuli_chr02	11940858	AA	TT	1940149318
SNP_P1_24545_11940868	NC_021161.1	Ca_kabuli_chr02	11940868	AA	GG	1940149319
SNP_P1_24546_11940869	NC_021161.1	Ca_kabuli_chr02	11940869	AA	GG	1940149320
SNP_P1_24547_11950101	NC_021161.1	Ca_kabuli_chr02	11950101	GG	AA	1940149321
SNP_P1_24548_11950210	NC_021161.1	Ca_kabuli_chr02	11950210	CC	TT	1940149322
SNP_P1_24549_11950228	NC_021161.1	Ca_kabuli_chr02	11950228	TT	GG	1940149323
SNP_P1_24550_11950296	NC_021161.1	Ca_kabuli_chr02	11950296	TT	CC	1940149324
SNP_P1_24551_11950550	NC_021161.1	Ca_kabuli_chr02	11950550	GG	AA	1940149325
SNP_P1_24552_11954053	NC_021161.1	Ca_kabuli_chr02	11954053	CC	AA	1940149326
SNP_P1_24553_11954561	NC_021161.1	Ca_kabuli_chr02	11954561	AA	GG	1940149328
SNP_P1_24554_11962044	NC_021161.1	Ca_kabuli_chr02	11962044	GG	CC	1940149329
SNP_P1_24556_11987398	NC_021161.1	Ca_kabuli_chr02	11987398	AA	GG	1940149330
SNP_P1_24557_12020829	NC_021161.1	Ca_kabuli_chr02	12020829	CC	TT	1940149331
SNP_P1_24558_12030551	NC_021161.1	Ca_kabuli_chr02	12030551	AA	GG	1940149332
SNP_P1_24559_12031577	NC_021161.1	Ca_kabuli_chr02	12031577	CC	GG	1940149333
SNP_P1_24560_12032079	NC_021161.1	Ca_kabuli_chr02	12032079	CC	AA	1940149334
SNP_P1_24561_12035947	NC_021161.1	Ca_kabuli_chr02	12035947	CC	TT	1940149335
SNP_P1_24562_12036419	NC_021161.1	Ca_kabuli_chr02	12036419	AA	GG	1940149336
SNP_P1_24563_12039720	NC_021161.1	Ca_kabuli_chr02	12039720	GG	AA	1940149337
SNP_P1_24564_12039986	NC_021161.1	Ca_kabuli_chr02	12039986	AA	TT	1940149338
SNP_P1_24566_12040143	NC_021161.1	Ca_kabuli_chr02	12040143	GG	TT	1940149339
SNP_P1_24567_12040168	NC_021161.1	Ca_kabuli_chr02	12040168	TT	AA	1940149340
SNP_P1_24569_12040288	NC_021161.1	Ca_kabuli_chr02	12040288	CC	TT	1940149341
SNP_P1_24570_12040331	NC_021161.1	Ca_kabuli_chr02	12040331	AA	GG	1940149342
SNP_P1_24571_12040406	NC_021161.1	Ca_kabuli_chr02	12040406	AA	TT	1940149343
SNP_P1_24572_12040465	NC_021161.1	Ca_kabuli_chr02	12040465	AA	TT	1940149344
SNP_P1_24573_12040471	NC_021161.1	Ca_kabuli_chr02	12040471	TT	AA	1940149345
SNP_P1_24574_12040480	NC_021161.1	Ca_kabuli_chr02	12040480	AA	TT	1940149346
SNP_P1_24575_12040488	NC_021161.1	Ca_kabuli_chr02	12040488	AA	TT	1940149347
SNP_P1_24577_12040578	NC_021161.1	Ca_kabuli_chr02	12040578	AA	TT	1940149348
SNP_P1_24578_12040608	NC_021161.1	Ca_kabuli_chr02	12040608	AA	GG	1940149349
SNP_P1_24579_12040614	NC_021161.1	Ca_kabuli_chr02	12040614	CC	AA	1940149350
SNP_P1_24580_12040899	NC_021161.1	Ca_kabuli_chr02	12040899	TT	AA	1940149351
SNP_P1_24581_12041119	NC_021161.1	Ca_kabuli_chr02	12041119	TT	CC	1940149352
SNP_P1_24582_12041496	NC_021161.1	Ca_kabuli_chr02	12041496	AA	GG	1940149353
SNP_P1_24583_12041529	NC_021161.1	Ca_kabuli_chr02	12041529	GG	AA	1940149354
SNP_P1_24584_12041583	NC_021161.1	Ca_kabuli_chr02	12041583	TT	CC	1940149355
SNP_P1_24585_12041593	NC_021161.1	Ca_kabuli_chr02	12041593	CC	GG	1940149356
SNP_P1_24586_12041627	NC_021161.1	Ca_kabuli_chr02	12041627	TT	CC	1940149357
SNP_P1_24588_12041729	NC_021161.1	Ca_kabuli_chr02	12041729	GG	AA	1940149358
SNP_P1_24589_12041778	NC_021161.1	Ca_kabuli_chr02	12041778	CC	TT	1940149359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24591_12041794	NC_021161.1	Ca_kabuli_chr02	12041794	CC	TT	1940149361
SNP_P1_24592_12041886	NC_021161.1	Ca_kabuli_chr02	12041886	CC	AA	1940149362
SNP_P1_24593_12041951	NC_021161.1	Ca_kabuli_chr02	12041951	TT	CC	1940149363
SNP_P1_24594_12041961	NC_021161.1	Ca_kabuli_chr02	12041961	GG	AA	1940149364
SNP_P1_24595_12042070	NC_021161.1	Ca_kabuli_chr02	12042070	TT	CC	1940149365
SNP_P1_24596_12042071	NC_021161.1	Ca_kabuli_chr02	12042071	CC	AA	1940149366
SNP_P1_24597_12042089	NC_021161.1	Ca_kabuli_chr02	12042089	CC	TT	1940149367
SNP_P1_24598_12042279	NC_021161.1	Ca_kabuli_chr02	12042279	CC	TT	1940149368
SNP_P1_24599_12042305	NC_021161.1	Ca_kabuli_chr02	12042305	CC	TT	1940149369
SNP_P1_24600_12048304	NC_021161.1	Ca_kabuli_chr02	12048304	CC	TT	1940149370
SNP_P1_24601_12048305	NC_021161.1	Ca_kabuli_chr02	12048305	GG	AA	1940149371
SNP_P1_24602_12048433	NC_021161.1	Ca_kabuli_chr02	12048433	TT	CC	1940149372
SNP_P1_24603_12048443	NC_021161.1	Ca_kabuli_chr02	12048443	GG	AA	1940149373
SNP_P1_24604_12048453	NC_021161.1	Ca_kabuli_chr02	12048453	TT	AA	1940149374
SNP_P1_24605_12048536	NC_021161.1	Ca_kabuli_chr02	12048536	TT	AA	1940149375
SNP_P1_24606_12048552	NC_021161.1	Ca_kabuli_chr02	12048552	TT	CC	1940149376
SNP_P1_24607_12048553	NC_021161.1	Ca_kabuli_chr02	12048553	CC	AA	1940149377
SNP_P1_24608_12048561	NC_021161.1	Ca_kabuli_chr02	12048561	CC	AA	1940149378
SNP_P1_24609_12048571	NC_021161.1	Ca_kabuli_chr02	12048571	CC	TT	1940149379
SNP_P1_24611_12048735	NC_021161.1	Ca_kabuli_chr02	12048735	TT	AA	1940149380
SNP_P1_24612_12048736	NC_021161.1	Ca_kabuli_chr02	12048736	TT	AA	1940149381
SNP_P1_24613_12048759	NC_021161.1	Ca_kabuli_chr02	12048759	CC	TT	1940149382
SNP_P1_24614_12048769	NC_021161.1	Ca_kabuli_chr02	12048769	AA	TT	1940149384
SNP_P1_24615_12068151	NC_021161.1	Ca_kabuli_chr02	12068151	TT	CC	1940149385
SNP_P1_24616_12071720	NC_021161.1	Ca_kabuli_chr02	12071720	GG	AA	1940149386
SNP_P1_24617_12093076	NC_021161.1	Ca_kabuli_chr02	12093076	GG	AA	1940149387
SNP_P1_24618_12093135	NC_021161.1	Ca_kabuli_chr02	12093135	TT	CC	1940149388
SNP_P1_24619_12098957	NC_021161.1	Ca_kabuli_chr02	12098957	TT	CC	1940149389
SNP_P1_24620_12100467	NC_021161.1	Ca_kabuli_chr02	12100467	AA	TT	1940149390
SNP_P1_24621_12100468	NC_021161.1	Ca_kabuli_chr02	12100468	AA	GG	1940149391
SNP_P1_24622_12112242	NC_021161.1	Ca_kabuli_chr02	12112242	AA	CC	1940149392
SNP_P1_24623_12114602	NC_021161.1	Ca_kabuli_chr02	12114602	AA	GG	1940149393
SNP_P1_24624_12116765	NC_021161.1	Ca_kabuli_chr02	12116765	GG	AA	1940149394
SNP_P1_24625_12128653	NC_021161.1	Ca_kabuli_chr02	12128653	AA	GG	1940149395
SNP_P1_24626_12135760	NC_021161.1	Ca_kabuli_chr02	12135760	TT	AA	1940149396
SNP_P1_24627_12167010	NC_021161.1	Ca_kabuli_chr02	12167010	CC	TT	1940149397
SNP_P1_24629_12170946	NC_021161.1	Ca_kabuli_chr02	12170946	AA	GG	1940149398
SNP_P1_24630_12181577	NC_021161.1	Ca_kabuli_chr02	12181577	TT	GG	1940149399
SNP_P1_24631_12181578	NC_021161.1	Ca_kabuli_chr02	12181578	AA	GG	1940149400
SNP_P1_24632_12191312	NC_021161.1	Ca_kabuli_chr02	12191312	GG	AA	1940149401
SNP_P1_24633_12220454	NC_021161.1	Ca_kabuli_chr02	12220454	GG	TT	1940149402

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24635_12220537	NC_021161.1	Ca_kabuli_chr02	12220537	TT	GG	1940149404
SNP_P1_24636_12220549	NC_021161.1	Ca_kabuli_chr02	12220549	AA	GG	1940149405
SNP_P1_24637_12220924	NC_021161.1	Ca_kabuli_chr02	12220924	CC	TT	1940149406
SNP_P1_24638_12221240	NC_021161.1	Ca_kabuli_chr02	12221240	CC	AA	1940149407
SNP_P1_24639_12221241	NC_021161.1	Ca_kabuli_chr02	12221241	TT	CC	1940149408
SNP_P1_24640_12221261	NC_021161.1	Ca_kabuli_chr02	12221261	AA	CC	1940149409
SNP_P1_24641_12221306	NC_021161.1	Ca_kabuli_chr02	12221306	TT	CC	1940149410
SNP_P1_24642_12221312	NC_021161.1	Ca_kabuli_chr02	12221312	TT	CC	1940149411
SNP_P1_24643_12247438	NC_021161.1	Ca_kabuli_chr02	12247438	AA	GG	1940149412
SNP_P1_24644_12247448	NC_021161.1	Ca_kabuli_chr02	12247448	TT	GG	1940149413
SNP_P1_24645_12247459	NC_021161.1	Ca_kabuli_chr02	12247459	TT	GG	1940149414
SNP_P1_24646_12258521	NC_021161.1	Ca_kabuli_chr02	12258521	GG	AA	1940149415
SNP_P1_24647_12261576	NC_021161.1	Ca_kabuli_chr02	12261576	CC	TT	1940149416
SNP_P1_24648_12283045	NC_021161.1	Ca_kabuli_chr02	12283045	AA	TT	1940149417
SNP_P1_24649_12303588	NC_021161.1	Ca_kabuli_chr02	12303588	CC	TT	1940149418
SNP_P1_24650_12303714	NC_021161.1	Ca_kabuli_chr02	12303714	TT	GG	1940149419
SNP_P1_24652_12307984	NC_021161.1	Ca_kabuli_chr02	12307984	AA	TT	1940149420
SNP_P1_24653_12307990	NC_021161.1	Ca_kabuli_chr02	12307990	TT	AA	1940149421
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SNP_P1_24656_12321261	NC_021161.1	Ca_kabuli_chr02	12321261	CC	TT	1940149424
SNP_P1_24657_12326658	NC_021161.1	Ca_kabuli_chr02	12326658	AA	GG	1940149425
SNP_P1_24658_12326757	NC_021161.1	Ca_kabuli_chr02	12326757	CC	TT	1940149426
SNP_P1_24659_12326851	NC_021161.1	Ca_kabuli_chr02	12326851	TT	CC	1940149427
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SNP_P1_24663_12327040	NC_021161.1	Ca_kabuli_chr02	12327040	AA	GG	1940149430
SNP_P1_24664_12333162	NC_021161.1	Ca_kabuli_chr02	12333162	AA	TT	1940149431
SNP_P1_24665_12333163	NC_021161.1	Ca_kabuli_chr02	12333163	TT	CC	1940149432
SNP_P1_24666_12333259	NC_021161.1	Ca_kabuli_chr02	12333259	TT	GG	1940149433
SNP_P1_24667_12344244	NC_021161.1	Ca_kabuli_chr02	12344244	AA	GG	1940149435
SNP_P1_24669_12380060	NC_021161.1	Ca_kabuli_chr02	12380060	TT	CC	1940149436
SNP_P1_24670_12380095	NC_021161.1	Ca_kabuli_chr02	12380095	TT	GG	1940149437
SNP_P1_24671_12380101	NC_021161.1	Ca_kabuli_chr02	12380101	TT	GG	1940149438
SNP_P1_24672_12380116	NC_021161.1	Ca_kabuli_chr02	12380116	GG	AA	1940149439
SNP_P1_24673_12380121	NC_021161.1	Ca_kabuli_chr02	12380121	TT	CC	1940149440
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SNP_P1_24675_12380198	NC_021161.1	Ca_kabuli_chr02	12380198	TT	CC	1940149442
SNP_P1_24676_12380209	NC_021161.1	Ca_kabuli_chr02	12380209	TT	CC	1940149443
SNP_P1_24678_12380263	NC_021161.1	Ca_kabuli_chr02	12380263	AA	GG	1940149444
SNP_P1_24679_12380293	NC_021161.1	Ca_kabuli_chr02	12380293	GG	AA	1940149445

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SNP_P1_24682_12380323	NC_021161.1	Ca_kabuli_chr02	12380323	TT	CC	1940149448
SNP_P1_24683_12380339	NC_021161.1	Ca_kabuli_chr02	12380339	AA	GG	1940149449
SNP_P1_24684_12380340	NC_021161.1	Ca_kabuli_chr02	12380340	CC	TT	1940149450
SNP_P1_24685_12380341	NC_021161.1	Ca_kabuli_chr02	12380341	AA	CC	1940149451
SNP_P1_24686_12380412	NC_021161.1	Ca_kabuli_chr02	12380412	TT	CC	1940149452
SNP_P1_24687_12384534	NC_021161.1	Ca_kabuli_chr02	12384534	AA	TT	1940149453
SNP_P1_24688_12384569	NC_021161.1	Ca_kabuli_chr02	12384569	CC	TT	1940149454
SNP_P1_24689_12384683	NC_021161.1	Ca_kabuli_chr02	12384683	GG	AA	1940149455
SNP_P1_24690_12387388	NC_021161.1	Ca_kabuli_chr02	12387388	GG	AA	1940149456
SNP_P1_24691_12428374	NC_021161.1	Ca_kabuli_chr02	12428374	CC	GG	1940149457
SNP_P1_24692_12435222	NC_021161.1	Ca_kabuli_chr02	12435222	AA	CC	1940149458
SNP_P1_24693_12435256	NC_021161.1	Ca_kabuli_chr02	12435256	CC	TT	1940149459
SNP_P1_24694_12435265	NC_021161.1	Ca_kabuli_chr02	12435265	AA	GG	1940149460
SNP_P1_24695_12435706	NC_021161.1	Ca_kabuli_chr02	12435706	GG	AA	1940149461
SNP_P1_24696_12435713	NC_021161.1	Ca_kabuli_chr02	12435713	TT	CC	1940149462
SNP_P1_24698_12469533	NC_021161.1	Ca_kabuli_chr02	12469533	CC	GG	1940149463
SNP_P1_24699_12469564	NC_021161.1	Ca_kabuli_chr02	12469564	TT	CC	1940149464
SNP_P1_24700_12469720	NC_021161.1	Ca_kabuli_chr02	12469720	AA	GG	1940149465
SNP_P1_24701_12469783	NC_021161.1	Ca_kabuli_chr02	12469783	CC	AA	1940149466
SNP_P1_24702_12472231	NC_021161.1	Ca_kabuli_chr02	12472231	GG	AA	1940149467
SNP_P1_24703_12473307	NC_021161.1	Ca_kabuli_chr02	12473307	AA	GG	1940149468
SNP_P1_24704_12473336	NC_021161.1	Ca_kabuli_chr02	12473336	AA	CC	1940149469
SNP_P1_24705_12473362	NC_021161.1	Ca_kabuli_chr02	12473362	TT	AA	1940149470
SNP_P1_24706_12473364	NC_021161.1	Ca_kabuli_chr02	12473364	GG	TT	1940149471
SNP_P1_24707_12473365	NC_021161.1	Ca_kabuli_chr02	12473365	CC	GG	1940149472
SNP_P1_24708_12475594	NC_021161.1	Ca_kabuli_chr02	12475594	CC	TT	1940149473
SNP_P1_24709_12475600	NC_021161.1	Ca_kabuli_chr02	12475600	CC	TT	1940149474
SNP_P1_24711_12483468	NC_021161.1	Ca_kabuli_chr02	12483468	CC	TT	1940149475
SNP_P1_24712_12496953	NC_021161.1	Ca_kabuli_chr02	12496953	TT	CC	1940149476
SNP_P1_24715_12570713	NC_021161.1	Ca_kabuli_chr02	12570713	TT	CC	1940149477
SNP_P1_24716_12581699	NC_021161.1	Ca_kabuli_chr02	12581699	AA	GG	1940149478
SNP_P1_24717_12581718	NC_021161.1	Ca_kabuli_chr02	12581718	CC	AA	1940149479
SNP_P1_24718_12581742	NC_021161.1	Ca_kabuli_chr02	12581742	AA	GG	1940149480
SNP_P1_24719_12581754	NC_021161.1	Ca_kabuli_chr02	12581754	GG	AA	1940149481
SNP_P1_24720_12585027	NC_021161.1	Ca_kabuli_chr02	12585027	CC	TT	1940149482
SNP_P1_24721_12588309	NC_021161.1	Ca_kabuli_chr02	12588309	TT	AA	1940149483
SNP_P1_24722_12592806	NC_021161.1	Ca_kabuli_chr02	12592806	CC	AA	1940149484
SNP_P1_24723_12629079	NC_021161.1	Ca_kabuli_chr02	12629079	TT	AA	1940149485
SNP_P1_24724_12639796	NC_021161.1	Ca_kabuli_chr02	12639796	TT	CC	1940149487
SNP_P1_24725_12648380	NC_021161.1	Ca_kabuli_chr02	12648380	AA	GG	1940149488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24727_12648404	NC_021161.1	Ca_kabuli_chr02	12648404	CC	TT	1940149490
SNP_P1_24729_12675766	NC_021161.1	Ca_kabuli_chr02	12675766	AA	CC	1940149491
SNP_P1_24730_12675784	NC_021161.1	Ca_kabuli_chr02	12675784	AA	TT	1940149492
SNP_P1_24731_12680957	NC_021161.1	Ca_kabuli_chr02	12680957	TT	GG	1940149493
SNP_P1_24732_12681296	NC_021161.1	Ca_kabuli_chr02	12681296	TT	AA	1940149494
SNP_P1_24733_12689842	NC_021161.1	Ca_kabuli_chr02	12689842	AA	TT	1940149495
SNP_P1_24734_12689901	NC_021161.1	Ca_kabuli_chr02	12689901	CC	TT	1940149496
SNP_P1_24735_12689932	NC_021161.1	Ca_kabuli_chr02	12689932	GG	AA	1940149497
SNP_P1_24736_12690161	NC_021161.1	Ca_kabuli_chr02	12690161	AA	GG	1940149498
SNP_P1_24737_12690235	NC_021161.1	Ca_kabuli_chr02	12690235	TT	CC	1940149499
SNP_P1_24738_12690571	NC_021161.1	Ca_kabuli_chr02	12690571	TT	CC	1940149500
SNP_P1_24741_12730907	NC_021161.1	Ca_kabuli_chr02	12730907	AA	TT	1940149501
SNP_P1_24742_12739898	NC_021161.1	Ca_kabuli_chr02	12739898	TT	GG	1940149502
SNP_P1_24743_12739899	NC_021161.1	Ca_kabuli_chr02	12739899	AA	GG	1940149503
SNP_P1_24744_12755207	NC_021161.1	Ca_kabuli_chr02	12755207	CC	AA	1940149504
SNP_P1_24746_12772093	NC_021161.1	Ca_kabuli_chr02	12772093	CC	TT	1940149505
SNP_P1_24747_12785145	NC_021161.1	Ca_kabuli_chr02	12785145	TT	AA	1940149506
SNP_P1_24748_12785232	NC_021161.1	Ca_kabuli_chr02	12785232	GG	AA	1940149507
SNP_P1_24749_12785271	NC_021161.1	Ca_kabuli_chr02	12785271	GG	AA	1940149508
SNP_P1_24750_12785408	NC_021161.1	Ca_kabuli_chr02	12785408	AA	TT	1940149509
SNP_P1_24751_12785412	NC_021161.1	Ca_kabuli_chr02	12785412	GG	AA	1940149510
SNP_P1_24752_12785471	NC_021161.1	Ca_kabuli_chr02	12785471	TT	CC	1940149511
SNP_P1_24753_12785480	NC_021161.1	Ca_kabuli_chr02	12785480	AA	GG	1940149512
SNP_P1_24754_12785520	NC_021161.1	Ca_kabuli_chr02	12785520	GG	AA	1940149513
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SNP_P1_24756_12788964	NC_021161.1	Ca_kabuli_chr02	12788964	AA	GG	1940149515
SNP_P1_24757_12816104	NC_021161.1	Ca_kabuli_chr02	12816104	TT	GG	1940149516
SNP_P1_24758_12816616	NC_021161.1	Ca_kabuli_chr02	12816616	AA	GG	1940149517
SNP_P1_24759_12821345	NC_021161.1	Ca_kabuli_chr02	12821345	CC	AA	1940149518
SNP_P1_24760_12837488	NC_021161.1	Ca_kabuli_chr02	12837488	CC	TT	1940149519
SNP_P1_24761_12842215	NC_021161.1	Ca_kabuli_chr02	12842215	TT	CC	1940149520
SNP_P1_24762_12842218	NC_021161.1	Ca_kabuli_chr02	12842218	AA	GG	1940149521
SNP_P1_24763_12842227	NC_021161.1	Ca_kabuli_chr02	12842227	TT	AA	1940149522
SNP_P1_24764_12842323	NC_021161.1	Ca_kabuli_chr02	12842323	AA	TT	1940149524
SNP_P1_24765_12842571	NC_021161.1	Ca_kabuli_chr02	12842571	AA	GG	1940149525
SNP_P1_24766_12842623	NC_021161.1	Ca_kabuli_chr02	12842623	CC	TT	1940149526
SNP_P1_24767_12843150	NC_021161.1	Ca_kabuli_chr02	12843150	GG	AA	1940149527
SNP_P1_24768_12888485	NC_021161.1	Ca_kabuli_chr02	12888485	CC	TT	1940149528
SNP_P1_24769_12888487	NC_021161.1	Ca_kabuli_chr02	12888487	AA	TT	1940149529
SNP_P1_24770_12908822	NC_021161.1	Ca_kabuli_chr02	12908822	TT	CC	1940149530
SNP_P1_24771_12919383	NC_021161.1	Ca_kabuli_chr02	12919383	TT	CC	1940149531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24773_12931829	NC_021161.1	Ca_kabuli_chr02	12931829	AA	CC	1940149533
SNP_P1_24774_12931949	NC_021161.1	Ca_kabuli_chr02	12931949	AA	TT	1940149534
SNP_P1_24775_12932069	NC_021161.1	Ca_kabuli_chr02	12932069	AA	GG	1940149535
SNP_P1_24776_12932118	NC_021161.1	Ca_kabuli_chr02	12932118	CC	TT	1940149536
SNP_P1_24777_12932254	NC_021161.1	Ca_kabuli_chr02	12932254	TT	AA	1940149537
SNP_P1_24778_12932313	NC_021161.1	Ca_kabuli_chr02	12932313	TT	CC	1940149538
SNP_P1_24779_12932440	NC_021161.1	Ca_kabuli_chr02	12932440	GG	TT	1940149539
SNP_P1_24780_12932512	NC_021161.1	Ca_kabuli_chr02	12932512	GG	AA	1940149540
SNP_P1_24781_12932557	NC_021161.1	Ca_kabuli_chr02	12932557	TT	AA	1940149541
SNP_P1_24782_12932646	NC_021161.1	Ca_kabuli_chr02	12932646	AA	CC	1940149542
SNP_P1_24783_12932706	NC_021161.1	Ca_kabuli_chr02	12932706	AA	GG	1940149543
SNP_P1_24784_12932725	NC_021161.1	Ca_kabuli_chr02	12932725	CC	TT	1940149544
SNP_P1_24785_12932783	NC_021161.1	Ca_kabuli_chr02	12932783	AA	GG	1940149545
SNP_P1_24786_12932795	NC_021161.1	Ca_kabuli_chr02	12932795	AA	GG	1940149546
SNP_P1_24787_12932856	NC_021161.1	Ca_kabuli_chr02	12932856	AA	GG	1940149547
SNP_P1_24788_12932903	NC_021161.1	Ca_kabuli_chr02	12932903	GG	CC	1940149548
SNP_P1_24789_12933069	NC_021161.1	Ca_kabuli_chr02	12933069	GG	AA	1940149549
SNP_P1_24790_12933101	NC_021161.1	Ca_kabuli_chr02	12933101	CC	TT	1940149550
SNP_P1_24792_12933135	NC_021161.1	Ca_kabuli_chr02	12933135	GG	AA	1940149551
SNP_P1_24793_12933149	NC_021161.1	Ca_kabuli_chr02	12933149	AA	GG	1940149552
SNP_P1_24794_12933198	NC_021161.1	Ca_kabuli_chr02	12933198	TT	CC	1940149553
SNP_P1_24795_12933215	NC_021161.1	Ca_kabuli_chr02	12933215	AA	TT	1940149554
SNP_P1_24796_12933258	NC_021161.1	Ca_kabuli_chr02	12933258	GG	CC	1940149555
SNP_P1_24797_12933374	NC_021161.1	Ca_kabuli_chr02	12933374	CC	GG	1940149556
SNP_P1_24798_12933548	NC_021161.1	Ca_kabuli_chr02	12933548	AA	CC	1940149557
SNP_P1_24799_12933568	NC_021161.1	Ca_kabuli_chr02	12933568	CC	TT	1940149559
SNP_P1_24801_12933627	NC_021161.1	Ca_kabuli_chr02	12933627	AA	GG	1940149560
SNP_P1_24802_12933643	NC_021161.1	Ca_kabuli_chr02	12933643	TT	CC	1940149561
SNP_P1_24803_12933665	NC_021161.1	Ca_kabuli_chr02	12933665	CC	TT	1940149562
SNP_P1_24804_12933751	NC_021161.1	Ca_kabuli_chr02	12933751	AA	TT	1940149563
SNP_P1_24805_12933779	NC_021161.1	Ca_kabuli_chr02	12933779	CC	TT	1940149564
SNP_P1_24806_12933915	NC_021161.1	Ca_kabuli_chr02	12933915	CC	GG	1940149565
SNP_P1_24807_12934183	NC_021161.1	Ca_kabuli_chr02	12934183	TT	AA	1940149566
SNP_P1_24809_12934365	NC_021161.1	Ca_kabuli_chr02	12934365	AA	GG	1940149567
SNP_P1_24810_12934382	NC_021161.1	Ca_kabuli_chr02	12934382	AA	CC	1940149568
SNP_P1_24811_12934444	NC_021161.1	Ca_kabuli_chr02	12934444	TT	CC	1940149569
SNP_P1_24812_12934497	NC_021161.1	Ca_kabuli_chr02	12934497	GG	AA	1940149570
SNP_P1_24813_12934516	NC_021161.1	Ca_kabuli_chr02	12934516	AA	TT	1940149571
SNP_P1_24814_12934572	NC_021161.1	Ca_kabuli_chr02	12934572	TT	GG	1940149572
SNP_P1_24815_12934749	NC_021161.1	Ca_kabuli_chr02	12934749	TT	AA	1940149573
SNP_P1_24816_12934776	NC_021161.1	Ca_kabuli_chr02	12934776	AA	CC	1940149574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24818_12934802	NC_021161.1	Ca_kabuli_chr02	12934802	GG	CC	1940149576
SNP_P1_24820_12935031	NC_021161.1	Ca_kabuli_chr02	12935031	GG	TT	1940149577
SNP_P1_24821_12935442	NC_021161.1	Ca_kabuli_chr02	12935442	TT	GG	1940149578
SNP_P1_24822_12935449	NC_021161.1	Ca_kabuli_chr02	12935449	CC	TT	1940149579
SNP_P1_24823_12935515	NC_021161.1	Ca_kabuli_chr02	12935515	GG	TT	1940149580
SNP_P1_24824_12935521	NC_021161.1	Ca_kabuli_chr02	12935521	AA	GG	1940149581
SNP_P1_24825_12935582	NC_021161.1	Ca_kabuli_chr02	12935582	CC	TT	1940149582
SNP_P1_24826_12935639	NC_021161.1	Ca_kabuli_chr02	12935639	AA	GG	1940149583
SNP_P1_24827_12935645	NC_021161.1	Ca_kabuli_chr02	12935645	AA	GG	1940149584
SNP_P1_24828_12935664	NC_021161.1	Ca_kabuli_chr02	12935664	GG	AA	1940149585
SNP_P1_24829_12935805	NC_021161.1	Ca_kabuli_chr02	12935805	GG	AA	1940149586
SNP_P1_24830_12935932	NC_021161.1	Ca_kabuli_chr02	12935932	TT	GG	1940149587
SNP_P1_24831_12935948	NC_021161.1	Ca_kabuli_chr02	12935948	TT	CC	1940149588
SNP_P1_24832_12936060	NC_021161.1	Ca_kabuli_chr02	12936060	CC	TT	1940149589
SNP_P1_24833_12936096	NC_021161.1	Ca_kabuli_chr02	12936096	TT	AA	1940149590
SNP_P1_24834_12936177	NC_021161.1	Ca_kabuli_chr02	12936177	AA	GG	1940149591
SNP_P1_24835_12936246	NC_021161.1	Ca_kabuli_chr02	12936246	AA	GG	1940149592
SNP_P1_24836_12936329	NC_021161.1	Ca_kabuli_chr02	12936329	GG	TT	1940149593
SNP_P1_24837_12936360	NC_021161.1	Ca_kabuli_chr02	12936360	GG	CC	1940149594
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SNP_P1_24840_12936657	NC_021161.1	Ca_kabuli_chr02	12936657	CC	TT	1940149597
SNP_P1_24841_12936658	NC_021161.1	Ca_kabuli_chr02	12936658	AA	GG	1940149598
SNP_P1_24842_12936662	NC_021161.1	Ca_kabuli_chr02	12936662	GG	AA	1940149599
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SNP_P1_24845_12937028	NC_021161.1	Ca_kabuli_chr02	12937028	AA	GG	1940149602
SNP_P1_24846_12937051	NC_021161.1	Ca_kabuli_chr02	12937051	CC	TT	1940149603
SNP_P1_24847_12937059	NC_021161.1	Ca_kabuli_chr02	12937059	CC	AA	1940149604
SNP_P1_24848_12937070	NC_021161.1	Ca_kabuli_chr02	12937070	TT	AA	1940149606
SNP_P1_24849_12937071	NC_021161.1	Ca_kabuli_chr02	12937071	GG	AA	1940149607
SNP_P1_24850_12937177	NC_021161.1	Ca_kabuli_chr02	12937177	CC	TT	1940149608
SNP_P1_24851_12937180	NC_021161.1	Ca_kabuli_chr02	12937180	AA	TT	1940149609
SNP_P1_24852_12937185	NC_021161.1	Ca_kabuli_chr02	12937185	CC	TT	1940149610
SNP_P1_24853_12937265	NC_021161.1	Ca_kabuli_chr02	12937265	TT	AA	1940149611
SNP_P1_24854_12937368	NC_021161.1	Ca_kabuli_chr02	12937368	AA	GG	1940149612
SNP_P1_24855_12937377	NC_021161.1	Ca_kabuli_chr02	12937377	TT	CC	1940149613
SNP_P1_24856_12937379	NC_021161.1	Ca_kabuli_chr02	12937379	AA	TT	1940149614
SNP_P1_24857_12937426	NC_021161.1	Ca_kabuli_chr02	12937426	CC	AA	1940149615
SNP_P1_24858_12937445	NC_021161.1	Ca_kabuli_chr02	12937445	CC	AA	1940149616
SNP_P1_24859_12937451	NC_021161.1	Ca_kabuli_chr02	12937451	CC	AA	1940149617

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24862_12937572	NC_021161.1	Ca_kabuli_chr02	12937572	AA	CC	1940149620
SNP_P1_24864_12937663	NC_021161.1	Ca_kabuli_chr02	12937663	AA	CC	1940149621
SNP_P1_24865_12937683	NC_021161.1	Ca_kabuli_chr02	12937683	CC	TT	1940149622
SNP_P1_24866_12937684	NC_021161.1	Ca_kabuli_chr02	12937684	TT	CC	1940149623
SNP_P1_24867_12937693	NC_021161.1	Ca_kabuli_chr02	12937693	CC	TT	1940149624
SNP_P1_24868_12937825	NC_021161.1	Ca_kabuli_chr02	12937825	AA	TT	1940149625
SNP_P1_24869_12937896	NC_021161.1	Ca_kabuli_chr02	12937896	AA	GG	1940149626
SNP_P1_24870_12937966	NC_021161.1	Ca_kabuli_chr02	12937966	TT	AA	1940149627
SNP_P1_24871_12938879	NC_021161.1	Ca_kabuli_chr02	12938879	TT	GG	1940149628
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SNP_P1_24873_12939296	NC_021161.1	Ca_kabuli_chr02	12939296	CC	GG	1940149630
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SNP_P1_24877_12940554	NC_021161.1	Ca_kabuli_chr02	12940554	GG	CC	1940149633
SNP_P1_24878_12940590	NC_021161.1	Ca_kabuli_chr02	12940590	AA	GG	1940149634
SNP_P1_24879_12940634	NC_021161.1	Ca_kabuli_chr02	12940634	TT	AA	1940149635
SNP_P1_24880_12940666	NC_021161.1	Ca_kabuli_chr02	12940666	GG	AA	1940149636
SNP_P1_24881_12940667	NC_021161.1	Ca_kabuli_chr02	12940667	TT	CC	1940149637
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SNP_P1_24883_12941032	NC_021161.1	Ca_kabuli_chr02	12941032	GG	AA	1940149639
SNP_P1_24884_12941052	NC_021161.1	Ca_kabuli_chr02	12941052	AA	GG	1940149640
SNP_P1_24885_12941108	NC_021161.1	Ca_kabuli_chr02	12941108	TT	AA	1940149641
SNP_P1_24886_12941162	NC_021161.1	Ca_kabuli_chr02	12941162	AA	GG	1940149642
SNP_P1_24888_12941376	NC_021161.1	Ca_kabuli_chr02	12941376	AA	CC	1940149643
SNP_P1_24889_12941452	NC_021161.1	Ca_kabuli_chr02	12941452	AA	TT	1940149644
SNP_P1_24890_12941511	NC_021161.1	Ca_kabuli_chr02	12941511	GG	AA	1940149646
SNP_P1_24891_12941535	NC_021161.1	Ca_kabuli_chr02	12941535	AA	GG	1940149647
SNP_P1_24892_12941537	NC_021161.1	Ca_kabuli_chr02	12941537	GG	CC	1940149648
SNP_P1_24893_12941742	NC_021161.1	Ca_kabuli_chr02	12941742	CC	AA	1940149649
SNP_P1_24895_12941838	NC_021161.1	Ca_kabuli_chr02	12941838	CC	TT	1940149650
SNP_P1_24896_12941843	NC_021161.1	Ca_kabuli_chr02	12941843	TT	CC	1940149651
SNP_P1_24897_12941877	NC_021161.1	Ca_kabuli_chr02	12941877	AA	CC	1940149652
SNP_P1_24898_12941902	NC_021161.1	Ca_kabuli_chr02	12941902	GG	AA	1940149653
SNP_P1_24899_12942072	NC_021161.1	Ca_kabuli_chr02	12942072	GG	TT	1940149654
SNP_P1_24900_12942158	NC_021161.1	Ca_kabuli_chr02	12942158	AA	GG	1940149655
SNP_P1_24901_12942218	NC_021161.1	Ca_kabuli_chr02	12942218	TT	GG	1940149656
SNP_P1_24902_12942223	NC_021161.1	Ca_kabuli_chr02	12942223	GG	AA	1940149657
SNP_P1_24903_12942224	NC_021161.1	Ca_kabuli_chr02	12942224	CC	TT	1940149658
SNP_P1_24904_12942260	NC_021161.1	Ca_kabuli_chr02	12942260	AA	CC	1940149659
SNP_P1_24905_12942542	NC_021161.1	Ca_kabuli_chr02	12942542	GG	AA	1940149660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_24906_12942565	NC_021161.1	Ca_kabuli_chr02	12942565	GG	AA	1940149661
SNP_P1_24907_12946904	NC_021161.1	Ca_kabuli_chr02	12946904	AA	TT	1940149662
SNP_P1_24908_12947074	NC_021161.1	Ca_kabuli_chr02	12947074	GG	TT	1940149663
SNP_P1_24909_12947163	NC_021161.1	Ca_kabuli_chr02	12947163	CC	TT	1940149664
SNP_P1_24910_12947169	NC_021161.1	Ca_kabuli_chr02	12947169	AA	TT	1940149665
SNP_P1_24911_12947194	NC_021161.1	Ca_kabuli_chr02	12947194	AA	TT	1940149666
SNP_P1_24913_12947947	NC_021161.1	Ca_kabuli_chr02	12947947	AA	GG	1940149667
SNP_P1_24915_12948047	NC_021161.1	Ca_kabuli_chr02	12948047	CC	TT	1940149668
SNP_P1_24916_12948167	NC_021161.1	Ca_kabuli_chr02	12948167	AA	GG	1940149669
SNP_P1_24917_12948328	NC_021161.1	Ca_kabuli_chr02	12948328	GG	TT	1940149670
SNP_P1_24918_12948329	NC_021161.1	Ca_kabuli_chr02	12948329	TT	AA	1940149671
SNP_P1_24919_12948606	NC_021161.1	Ca_kabuli_chr02	12948606	CC	TT	1940149672
SNP_P1_24920_12948609	NC_021161.1	Ca_kabuli_chr02	12948609	CC	TT	1940149673
SNP_P1_24921_12949123	NC_021161.1	Ca_kabuli_chr02	12949123	AA	TT	1940149674
SNP_P1_24922_12949132	NC_021161.1	Ca_kabuli_chr02	12949132	GG	AA	1940149675
SNP_P1_24923_12949188	NC_021161.1	Ca_kabuli_chr02	12949188	GG	AA	1940149676
SNP_P1_24924_12949192	NC_021161.1	Ca_kabuli_chr02	12949192	GG	TT	1940149677
SNP_P1_24925_12949603	NC_021161.1	Ca_kabuli_chr02	12949603	CC	TT	1940149678
SNP_P1_24926_12949628	NC_021161.1	Ca_kabuli_chr02	12949628	CC	TT	1940149680
SNP_P1_24927_12949637	NC_021161.1	Ca_kabuli_chr02	12949637	CC	TT	1940149681
SNP_P1_24928_12949881	NC_021161.1	Ca_kabuli_chr02	12949881	GG	AA	1940149682
SNP_P1_24929_12950095	NC_021161.1	Ca_kabuli_chr02	12950095	CC	TT	1940149683
SNP_P1_24930_12950303	NC_021161.1	Ca_kabuli_chr02	12950303	AA	CC	1940149684
SNP_P1_24931_12950357	NC_021161.1	Ca_kabuli_chr02	12950357	TT	AA	1940149685
SNP_P1_24932_12950375	NC_021161.1	Ca_kabuli_chr02	12950375	AA	CC	1940149686
SNP_P1_24933_12951621	NC_021161.1	Ca_kabuli_chr02	12951621	CC	AA	1940149687
SNP_P1_24934_12951649	NC_021161.1	Ca_kabuli_chr02	12951649	TT	CC	1940149688
SNP_P1_24935_12951955	NC_021161.1	Ca_kabuli_chr02	12951955	GG	AA	1940149689
SNP_P1_24936_12952122	NC_021161.1	Ca_kabuli_chr02	12952122	TT	AA	1940149690
SNP_P1_24937_12952300	NC_021161.1	Ca_kabuli_chr02	12952300	TT	GG	1940149691
SNP_P1_24938_12952375	NC_021161.1	Ca_kabuli_chr02	12952375	TT	CC	1940149692
SNP_P1_24939_12952438	NC_021161.1	Ca_kabuli_chr02	12952438	GG	AA	1940149693
SNP_P1_24941_12952924	NC_021161.1	Ca_kabuli_chr02	12952924	GG	AA	1940149694
SNP_P1_24943_12953136	NC_021161.1	Ca_kabuli_chr02	12953136	TT	CC	1940149695
SNP_P1_24944_12953555	NC_021161.1	Ca_kabuli_chr02	12953555	TT	CC	1940149696
SNP_P1_24945_12953578	NC_021161.1	Ca_kabuli_chr02	12953578	AA	GG	1940149697
SNP_P1_24946_12959961	NC_021161.1	Ca_kabuli_chr02	12959961	AA	GG	1940149698
SNP_P1_24947_12959975	NC_021161.1	Ca_kabuli_chr02	12959975	CC	AA	1940149699
SNP_P1_24948_12960179	NC_021161.1	Ca_kabuli_chr02	12960179	TT	AA	1940149700
SNP_P1_24949_12960197	NC_021161.1	Ca_kabuli_chr02	12960197	CC	TT	1940149701
SNP_P1_24950_12960530	NC_021161.1	Ca_kabuli_chr02	12960530	CC	GG	1940149702
SNP_P1_24951_12960568	NC_021161.1	Ca_kabuli_chr02	12960568	AA	GG	1940149703

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24953_12960904	NC_021161.1	Ca_kabuli_chr02	12960904	AA	GG	1940149706
SNP_P1_24954_12960918	NC_021161.1	Ca_kabuli_chr02	12960918	AA	GG	1940149707
SNP_P1_24955_12960947	NC_021161.1	Ca_kabuli_chr02	12960947	GG	CC	1940149708
SNP_P1_24956_12960984	NC_021161.1	Ca_kabuli_chr02	12960984	GG	AA	1940149709
SNP_P1_24958_12972950	NC_021161.1	Ca_kabuli_chr02	12972950	AA	CC	1940149710
SNP_P1_24959_12987750	NC_021161.1	Ca_kabuli_chr02	12987750	AA	GG	1940149711
SNP_P1_24960_12994069	NC_021161.1	Ca_kabuli_chr02	12994069	CC	AA	1940149712
SNP_P1_24961_12994214	NC_021161.1	Ca_kabuli_chr02	12994214	GG	AA	1940149713
SNP_P1_24962_12994250	NC_021161.1	Ca_kabuli_chr02	12994250	AA	TT	1940149714
SNP_P1_24963_12994252	NC_021161.1	Ca_kabuli_chr02	12994252	CC	TT	1940149715
SNP_P1_24964_12994277	NC_021161.1	Ca_kabuli_chr02	12994277	AA	GG	1940149716
SNP_P1_24965_12994278	NC_021161.1	Ca_kabuli_chr02	12994278	AA	CC	1940149717
SNP_P1_24966_13008590	NC_021161.1	Ca_kabuli_chr02	13008590	AA	GG	1940149718
SNP_P1_24967_13010933	NC_021161.1	Ca_kabuli_chr02	13010933	AA	GG	1940149719
SNP_P1_24968_13011850	NC_021161.1	Ca_kabuli_chr02	13011850	CC	TT	1940149720
SNP_P1_24969_13016630	NC_021161.1	Ca_kabuli_chr02	13016630	TT	GG	1940149721
SNP_P1_24970_13021057	NC_021161.1	Ca_kabuli_chr02	13021057	AA	GG	1940149722
SNP_P1_24971_13021385	NC_021161.1	Ca_kabuli_chr02	13021385	CC	AA	1940149723
SNP_P1_24972_13021394	NC_021161.1	Ca_kabuli_chr02	13021394	TT	CC	1940149724
SNP_P1_24973_13021404	NC_021161.1	Ca_kabuli_chr02	13021404	AA	GG	1940149725
SNP_P1_24974_13026234	NC_021161.1	Ca_kabuli_chr02	13026234	AA	CC	1940149726
SNP_P1_24975_13026247	NC_021161.1	Ca_kabuli_chr02	13026247	TT	AA	1940149728
SNP_P1_24976_13026251	NC_021161.1	Ca_kabuli_chr02	13026251	GG	CC	1940149729
SNP_P1_24977_13026254	NC_021161.1	Ca_kabuli_chr02	13026254	CC	TT	1940149730
SNP_P1_24978_13026257	NC_021161.1	Ca_kabuli_chr02	13026257	CC	TT	1940149731
SNP_P1_24979_13026451	NC_021161.1	Ca_kabuli_chr02	13026451	TT	CC	1940149732
SNP_P1_24980_13026512	NC_021161.1	Ca_kabuli_chr02	13026512	CC	TT	1940149733
SNP_P1_24981_13026514	NC_021161.1	Ca_kabuli_chr02	13026514	AA	GG	1940149734
SNP_P1_24982_13026530	NC_021161.1	Ca_kabuli_chr02	13026530	GG	AA	1940149735
SNP_P1_24983_13026537	NC_021161.1	Ca_kabuli_chr02	13026537	GG	AA	1940149736
SNP_P1_24984_13026554	NC_021161.1	Ca_kabuli_chr02	13026554	CC	AA	1940149737
SNP_P1_24985_13026563	NC_021161.1	Ca_kabuli_chr02	13026563	AA	TT	1940149738
SNP_P1_24986_13026571	NC_021161.1	Ca_kabuli_chr02	13026571	AA	GG	1940149739
SNP_P1_24987_13026595	NC_021161.1	Ca_kabuli_chr02	13026595	TT	GG	1940149740
SNP_P1_24988_13026605	NC_021161.1	Ca_kabuli_chr02	13026605	TT	AA	1940149741
SNP_P1_24989_13027643	NC_021161.1	Ca_kabuli_chr02	13027643	GG	AA	1940149742
SNP_P1_24990_13048591	NC_021161.1	Ca_kabuli_chr02	13048591	CC	AA	1940149743
SNP_P1_24991_13061125	NC_021161.1	Ca_kabuli_chr02	13061125	AA	TT	1940149744
SNP_P1_24992_13061126	NC_021161.1	Ca_kabuli_chr02	13061126	AA	TT	1940149745
SNP_P1_24994_13115023	NC_021161.1	Ca_kabuli_chr02	13115023	CC	AA	1940149746
SNP_P1_24995_13119268	NC_021161.1	Ca_kabuli_chr02	13119268	CC	TT	1940149747

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_24997_13142649	NC_021161.1	Ca_kabuli_chr02	13142649	TT	CC	1940149749
SNP_P1_24998_13142651	NC_021161.1	Ca_kabuli_chr02	13142651	TT	CC	1940149750
SNP_P1_24999_13164366	NC_021161.1	Ca_kabuli_chr02	13164366	AA	GG	1940149751
SNP_P1_25000_13188429	NC_021161.1	Ca_kabuli_chr02	13188429	GG	AA	1940149752
SNP_P1_25001_13188453	NC_021161.1	Ca_kabuli_chr02	13188453	TT	AA	1940149753
SNP_P1_25002_13188459	NC_021161.1	Ca_kabuli_chr02	13188459	TT	GG	1940149754
SNP_P1_25003_13188468	NC_021161.1	Ca_kabuli_chr02	13188468	AA	TT	1940149755
SNP_P1_25004_13188741	NC_021161.1	Ca_kabuli_chr02	13188741	AA	GG	1940149756
SNP_P1_25007_13248527	NC_021161.1	Ca_kabuli_chr02	13248527	GG	AA	1940149757
SNP_P1_25008_13250572	NC_021161.1	Ca_kabuli_chr02	13250572	CC	TT	1940149758
SNP_P1_25010_13260625	NC_021161.1	Ca_kabuli_chr02	13260625	GG	CC	1940149760
SNP_P1_25011_13262302	NC_021161.1	Ca_kabuli_chr02	13262302	GG	AA	1940149761
SNP_P1_25012_13265278	NC_021161.1	Ca_kabuli_chr02	13265278	TT	AA	1940149762
SNP_P1_25013_13265328	NC_021161.1	Ca_kabuli_chr02	13265328	GG	AA	1940149763
SNP_P1_25014_13268175	NC_021161.1	Ca_kabuli_chr02	13268175	GG	AA	1940149764
SNP_P1_25015_13268258	NC_021161.1	Ca_kabuli_chr02	13268258	CC	TT	1940149765
SNP_P1_25016_13270171	NC_021161.1	Ca_kabuli_chr02	13270171	AA	GG	1940149766
SNP_P1_25017_13270501	NC_021161.1	Ca_kabuli_chr02	13270501	GG	AA	1940149767
SNP_P1_25019_13287075	NC_021161.1	Ca_kabuli_chr02	13287075	GG	CC	1940149768
SNP_P1_25020_13294956	NC_021161.1	Ca_kabuli_chr02	13294956	AA	CC	1940149769
SNP_P1_25021_13297834	NC_021161.1	Ca_kabuli_chr02	13297834	TT	CC	1940149770
SNP_P1_25022_13297849	NC_021161.1	Ca_kabuli_chr02	13297849	TT	CC	1940149771
SNP_P1_25023_13299821	NC_021161.1	Ca_kabuli_chr02	13299821	TT	CC	1940149772
SNP_P1_25024_13299852	NC_021161.1	Ca_kabuli_chr02	13299852	TT	GG	1940149773
SNP_P1_25025_13319572	NC_021161.1	Ca_kabuli_chr02	13319572	TT	CC	1940149774
SNP_P1_25026_13325676	NC_021161.1	Ca_kabuli_chr02	13325676	TT	GG	1940149775
SNP_P1_25027_13329413	NC_021161.1	Ca_kabuli_chr02	13329413	TT	AA	1940149776
SNP_P1_25028_13347443	NC_021161.1	Ca_kabuli_chr02	13347443	GG	AA	1940149777
SNP_P1_25029_13365395	NC_021161.1	Ca_kabuli_chr02	13365395	AA	GG	1940149778
SNP_P1_25030_13365414	NC_021161.1	Ca_kabuli_chr02	13365414	CC	AA	1940149779
SNP_P1_25031_13365438	NC_021161.1	Ca_kabuli_chr02	13365438	AA	GG	1940149780
SNP_P1_25032_13365478	NC_021161.1	Ca_kabuli_chr02	13365478	TT	CC	1940149781
SNP_P1_25033_13365628	NC_021161.1	Ca_kabuli_chr02	13365628	AA	GG	1940149782
SNP_P1_25034_13365650	NC_021161.1	Ca_kabuli_chr02	13365650	AA	TT	1940149783
SNP_P1_25035_13365688	NC_021161.1	Ca_kabuli_chr02	13365688	TT	AA	1940149784
SNP_P1_25036_13365950	NC_021161.1	Ca_kabuli_chr02	13365950	AA	GG	1940149785
SNP_P1_25037_13368424	NC_021161.1	Ca_kabuli_chr02	13368424	TT	CC	1940149786
SNP_P1_25038_13368440	NC_021161.1	Ca_kabuli_chr02	13368440	GG	AA	1940149787
SNP_P1_25039_13369480	NC_021161.1	Ca_kabuli_chr02	13369480	GG	AA	1940149788
SNP_P1_25040_13373149	NC_021161.1	Ca_kabuli_chr02	13373149	TT	CC	1940149789
SNP_P1_25041_13385338	NC_021161.1	Ca_kabuli_chr02	13385338	AA	TT	1940149790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25043_13400639	NC_021161.1	Ca_kabuli_chr02	13400639	TT	CC	1940149792
SNP_P1_25044_13400650	NC_021161.1	Ca_kabuli_chr02	13400650	TT	CC	1940149794
SNP_P1_25045_13427288	NC_021161.1	Ca_kabuli_chr02	13427288	GG	AA	1940149795
SNP_P1_25046_13444691	NC_021161.1	Ca_kabuli_chr02	13444691	AA	TT	1940149796
SNP_P1_25047_13444693	NC_021161.1	Ca_kabuli_chr02	13444693	AA	TT	1940149797
SNP_P1_25048_13460311	NC_021161.1	Ca_kabuli_chr02	13460311	TT	CC	1940149798
SNP_P1_25049_13460687	NC_021161.1	Ca_kabuli_chr02	13460687	AA	GG	1940149799
SNP_P1_25050_13460716	NC_021161.1	Ca_kabuli_chr02	13460716	AA	GG	1940149800
SNP_P1_25051_13472626	NC_021161.1	Ca_kabuli_chr02	13472626	TT	AA	1940149801
SNP_P1_25053_13518558	NC_021161.1	Ca_kabuli_chr02	13518558	TT	CC	1940149802
SNP_P1_25054_13518578	NC_021161.1	Ca_kabuli_chr02	13518578	CC	TT	1940149803
SNP_P1_25055_13557294	NC_021161.1	Ca_kabuli_chr02	13557294	GG	AA	1940149804
SNP_P1_25057_13572577	NC_021161.1	Ca_kabuli_chr02	13572577	TT	CC	1940149805
SNP_P1_25058_13572581	NC_021161.1	Ca_kabuli_chr02	13572581	TT	CC	1940149806
SNP_P1_25059_13572598	NC_021161.1	Ca_kabuli_chr02	13572598	GG	AA	1940149807
SNP_P1_25060_13584155	NC_021161.1	Ca_kabuli_chr02	13584155	GG	AA	1940149808
SNP_P1_25061_13584547	NC_021161.1	Ca_kabuli_chr02	13584547	TT	AA	1940149809
SNP_P1_25062_13613583	NC_021161.1	Ca_kabuli_chr02	13613583	AA	TT	1940149810
SNP_P1_25063_13613587	NC_021161.1	Ca_kabuli_chr02	13613587	CC	AA	1940149811
SNP_P1_25065_13639987	NC_021161.1	Ca_kabuli_chr02	13639987	TT	CC	1940149812
SNP_P1_25066_13651231	NC_021161.1	Ca_kabuli_chr02	13651231	AA	CC	1940149813
SNP_P1_25067_13651857	NC_021161.1	Ca_kabuli_chr02	13651857	CC	TT	1940149814
SNP_P1_25069_13662478	NC_021161.1	Ca_kabuli_chr02	13662478	AA	GG	1940149815
SNP_P1_25070_13662493	NC_021161.1	Ca_kabuli_chr02	13662493	AA	TT	1940149816
SNP_P1_25071_13662500	NC_021161.1	Ca_kabuli_chr02	13662500	TT	CC	1940149817
SNP_P1_25072_13662508	NC_021161.1	Ca_kabuli_chr02	13662508	TT	AA	1940149818
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SNP_P1_25074_13694933	NC_021161.1	Ca_kabuli_chr02	13694933	TT	GG	1940149820
SNP_P1_25075_13694970	NC_021161.1	Ca_kabuli_chr02	13694970	CC	TT	1940149821
SNP_P1_25076_13695383	NC_021161.1	Ca_kabuli_chr02	13695383	AA	GG	1940149822
SNP_P1_25077_13695415	NC_021161.1	Ca_kabuli_chr02	13695415	TT	GG	1940149823
SNP_P1_25078_13695430	NC_021161.1	Ca_kabuli_chr02	13695430	TT	GG	1940149824
SNP_P1_25080_13712656	NC_021161.1	Ca_kabuli_chr02	13712656	AA	GG	1940149825
SNP_P1_25081_13714040	NC_021161.1	Ca_kabuli_chr02	13714040	TT	CC	1940149826
SNP_P1_25083_13725191	NC_021161.1	Ca_kabuli_chr02	13725191	GG	AA	1940149827
SNP_P1_25085_13785916	NC_021161.1	Ca_kabuli_chr02	13785916	GG	AA	1940149828
SNP_P1_25087_13796883	NC_021161.1	Ca_kabuli_chr02	13796883	GG	TT	1940149829
SNP_P1_25089_13805816	NC_021161.1	Ca_kabuli_chr02	13805816	AA	CC	1940149830
SNP_P1_25090_13807523	NC_021161.1	Ca_kabuli_chr02	13807523	GG	AA	1940149831
SNP_P1_25091_13807544	NC_021161.1	Ca_kabuli_chr02	13807544	GG	AA	1940149832
SNP_P1_25092_13807594	NC_021161.1	Ca_kabuli_chr02	13807594	GG	AA	1940149833

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25095_13832970	NC_021161.1	Ca_kabuli_chr02	13832970	TT	CC	1940149836
SNP_P1_25096_13840564	NC_021161.1	Ca_kabuli_chr02	13840564	TT	GG	1940149837
SNP_P1_25097_13840629	NC_021161.1	Ca_kabuli_chr02	13840629	AA	GG	1940149838
SNP_P1_25098_13840637	NC_021161.1	Ca_kabuli_chr02	13840637	TT	CC	1940149839
SNP_P1_25099_13840741	NC_021161.1	Ca_kabuli_chr02	13840741	CC	TT	1940149840
SNP_P1_25100_13840913	NC_021161.1	Ca_kabuli_chr02	13840913	TT	CC	1940149841
SNP_P1_25101_13840999	NC_021161.1	Ca_kabuli_chr02	13840999	AA	GG	1940149842
SNP_P1_25103_13880077	NC_021161.1	Ca_kabuli_chr02	13880077	GG	TT	1940149843
SNP_P1_25104_13881577	NC_021161.1	Ca_kabuli_chr02	13881577	CC	TT	1940149844
SNP_P1_25105_13901685	NC_021161.1	Ca_kabuli_chr02	13901685	GG	AA	1940149846
SNP_P1_25106_13908430	NC_021161.1	Ca_kabuli_chr02	13908430	GG	CC	1940149847
SNP_P1_25107_13908449	NC_021161.1	Ca_kabuli_chr02	13908449	TT	AA	1940149848
SNP_P1_25108_13908450	NC_021161.1	Ca_kabuli_chr02	13908450	CC	TT	1940149849
SNP_P1_25109_13908456	NC_021161.1	Ca_kabuli_chr02	13908456	GG	AA	1940149850
SNP_P1_25110_13909164	NC_021161.1	Ca_kabuli_chr02	13909164	TT	CC	1940149851
SNP_P1_25111_13909248	NC_021161.1	Ca_kabuli_chr02	13909248	TT	AA	1940149852
SNP_P1_25112_13909449	NC_021161.1	Ca_kabuli_chr02	13909449	AA	TT	1940149853
SNP_P1_25113_13909466	NC_021161.1	Ca_kabuli_chr02	13909466	TT	CC	1940149854
SNP_P1_25114_13909471	NC_021161.1	Ca_kabuli_chr02	13909471	CC	GG	1940149855
SNP_P1_25115_13909472	NC_021161.1	Ca_kabuli_chr02	13909472	AA	GG	1940149856
SNP_P1_25116_13909473	NC_021161.1	Ca_kabuli_chr02	13909473	CC	TT	1940149857
SNP_P1_25117_13909476	NC_021161.1	Ca_kabuli_chr02	13909476	AA	GG	1940149858
SNP_P1_25118_13909481	NC_021161.1	Ca_kabuli_chr02	13909481	TT	AA	1940149859
SNP_P1_25119_13913632	NC_021161.1	Ca_kabuli_chr02	13913632	AA	TT	1940149860
SNP_P1_25120_13913898	NC_021161.1	Ca_kabuli_chr02	13913898	GG	AA	1940149861
SNP_P1_25121_13913939	NC_021161.1	Ca_kabuli_chr02	13913939	GG	AA	1940149862
SNP_P1_25122_13922631	NC_021161.1	Ca_kabuli_chr02	13922631	CC	AA	1940149863
SNP_P1_25123_13922642	NC_021161.1	Ca_kabuli_chr02	13922642	AA	GG	1940149864
SNP_P1_25124_13922680	NC_021161.1	Ca_kabuli_chr02	13922680	GG	AA	1940149865
SNP_P1_25125_13922764	NC_021161.1	Ca_kabuli_chr02	13922764	AA	GG	1940149866
SNP_P1_25126_13922853	NC_021161.1	Ca_kabuli_chr02	13922853	AA	GG	1940149867
SNP_P1_25127_13923342	NC_021161.1	Ca_kabuli_chr02	13923342	TT	GG	1940149868
SNP_P1_25128_13923419	NC_021161.1	Ca_kabuli_chr02	13923419	GG	CC	1940149869
SNP_P1_25129_13923539	NC_021161.1	Ca_kabuli_chr02	13923539	GG	AA	1940149870
SNP_P1_25131_13923601	NC_021161.1	Ca_kabuli_chr02	13923601	GG	AA	1940149871
SNP_P1_25132_13923648	NC_021161.1	Ca_kabuli_chr02	13923648	GG	CC	1940149872
SNP_P1_25133_13923891	NC_021161.1	Ca_kabuli_chr02	13923891	AA	CC	1940149873
SNP_P1_25134_13925091	NC_021161.1	Ca_kabuli_chr02	13925091	CC	GG	1940149874
SNP_P1_25135_13925106	NC_021161.1	Ca_kabuli_chr02	13925106	GG	CC	1940149875
SNP_P1_25136_13955242	NC_021161.1	Ca_kabuli_chr02	13955242	TT	AA	1940149876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25138_13956403	NC_021161.1	Ca_kabuli_chr02	13956403	CC	TT	1940149878
SNP_P1_25142_13957910	NC_021161.1	Ca_kabuli_chr02	13957910	CC	AA	1940149879
SNP_P1_25143_13957982	NC_021161.1	Ca_kabuli_chr02	13957982	AA	CC	1940149880
SNP_P1_25146_13989506	NC_021161.1	Ca_kabuli_chr02	13989506	GG	AA	1940149881
SNP_P1_25147_14025834	NC_021161.1	Ca_kabuli_chr02	14025834	TT	AA	1940149882
SNP_P1_25148_14025970	NC_021161.1	Ca_kabuli_chr02	14025970	TT	CC	1940149883
SNP_P1_25149_14026355	NC_021161.1	Ca_kabuli_chr02	14026355	TT	CC	1940149884
SNP_P1_25150_14041852	NC_021161.1	Ca_kabuli_chr02	14041852	GG	AA	1940149885
SNP_P1_25151_14044779	NC_021161.1	Ca_kabuli_chr02	14044779	TT	CC	1940149886
SNP_P1_25152_14071035	NC_021161.1	Ca_kabuli_chr02	14071035	AA	GG	1940149887
SNP_P1_25153_14085862	NC_021161.1	Ca_kabuli_chr02	14085862	CC	TT	1940149888
SNP_P1_25154_14085910	NC_021161.1	Ca_kabuli_chr02	14085910	AA	GG	1940149889
SNP_P1_25155_14085980	NC_021161.1	Ca_kabuli_chr02	14085980	TT	CC	1940149890
SNP_P1_25156_14085994	NC_021161.1	Ca_kabuli_chr02	14085994	TT	GG	1940149891
SNP_P1_25157_14086017	NC_021161.1	Ca_kabuli_chr02	14086017	TT	CC	1940149892
SNP_P1_25158_14086022	NC_021161.1	Ca_kabuli_chr02	14086022	GG	CC	1940149893
SNP_P1_25159_14086046	NC_021161.1	Ca_kabuli_chr02	14086046	GG	AA	1940149895
SNP_P1_25160_14086093	NC_021161.1	Ca_kabuli_chr02	14086093	TT	CC	1940149896
SNP_P1_25161_14086103	NC_021161.1	Ca_kabuli_chr02	14086103	AA	GG	1940149897
SNP_P1_25163_14086162	NC_021161.1	Ca_kabuli_chr02	14086162	TT	CC	1940149898
SNP_P1_25164_14086178	NC_021161.1	Ca_kabuli_chr02	14086178	TT	CC	1940149899
SNP_P1_25165_14086181	NC_021161.1	Ca_kabuli_chr02	14086181	GG	AA	1940149900
SNP_P1_25166_14086209	NC_021161.1	Ca_kabuli_chr02	14086209	TT	CC	1940149901
SNP_P1_25167_14086258	NC_021161.1	Ca_kabuli_chr02	14086258	CC	TT	1940149902
SNP_P1_25168_14086260	NC_021161.1	Ca_kabuli_chr02	14086260	AA	TT	1940149903
SNP_P1_25169_14086300	NC_021161.1	Ca_kabuli_chr02	14086300	GG	TT	1940149904
SNP_P1_25170_14086380	NC_021161.1	Ca_kabuli_chr02	14086380	TT	CC	1940149905
SNP_P1_25171_14086408	NC_021161.1	Ca_kabuli_chr02	14086408	AA	GG	1940149906
SNP_P1_25172_14086411	NC_021161.1	Ca_kabuli_chr02	14086411	TT	CC	1940149907
SNP_P1_25173_14087520	NC_021161.1	Ca_kabuli_chr02	14087520	AA	GG	1940149908
SNP_P1_25174_14131485	NC_021161.1	Ca_kabuli_chr02	14131485	TT	CC	1940149909
SNP_P1_25175_14171622	NC_021161.1	Ca_kabuli_chr02	14171622	CC	TT	1940149910
SNP_P1_25177_14195976	NC_021161.1	Ca_kabuli_chr02	14195976	CC	GG	1940149911
SNP_P1_25178_14196053	NC_021161.1	Ca_kabuli_chr02	14196053	TT	GG	1940149912
SNP_P1_25179_14196093	NC_021161.1	Ca_kabuli_chr02	14196093	CC	AA	1940149913
SNP_P1_25180_14196163	NC_021161.1	Ca_kabuli_chr02	14196163	TT	AA	1940149914
SNP_P1_25181_14196174	NC_021161.1	Ca_kabuli_chr02	14196174	GG	AA	1940149915
SNP_P1_25182_14197785	NC_021161.1	Ca_kabuli_chr02	14197785	GG	AA	1940149916
SNP_P1_25183_14197857	NC_021161.1	Ca_kabuli_chr02	14197857	AA	GG	1940149917
SNP_P1_25184_14197879	NC_021161.1	Ca_kabuli_chr02	14197879	GG	TT	1940149918
SNP_P1_25185_14213141	NC_021161.1	Ca_kabuli_chr02	14213141	TT	AA	1940149919

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25187_15107938	NC_021161.1	Ca_kabuli_chr02	15107938	AA	GG	1940149921
SNP_P1_25189_15111510	NC_021161.1	Ca_kabuli_chr02	15111510	AA	GG	1940149922
SNP_P1_25190_15125211	NC_021161.1	Ca_kabuli_chr02	15125211	AA	GG	1940149923
SNP_P1_25191_15151424	NC_021161.1	Ca_kabuli_chr02	15151424	GG	AA	1940149924
SNP_P1_25192_15153776	NC_021161.1	Ca_kabuli_chr02	15153776	TT	CC	1940149925
SNP_P1_25193_15175597	NC_021161.1	Ca_kabuli_chr02	15175597	GG	AA	1940149926
SNP_P1_25195_15200367	NC_021161.1	Ca_kabuli_chr02	15200367	AA	CC	1940149927
SNP_P1_25196_15200378	NC_021161.1	Ca_kabuli_chr02	15200378	AA	GG	1940149928
SNP_P1_25197_15213636	NC_021161.1	Ca_kabuli_chr02	15213636	AA	GG	1940149929
SNP_P1_25198_15252577	NC_021161.1	Ca_kabuli_chr02	15252577	AA	GG	1940149930
SNP_P1_25199_15252586	NC_021161.1	Ca_kabuli_chr02	15252586	GG	AA	1940149931
SNP_P1_25200_15252799	NC_021161.1	Ca_kabuli_chr02	15252799	AA	GG	1940149932
SNP_P1_25201_15279551	NC_021161.1	Ca_kabuli_chr02	15279551	GG	TT	1940149933
SNP_P1_25202_15279552	NC_021161.1	Ca_kabuli_chr02	15279552	AA	CC	1940149934
SNP_P1_25203_15287307	NC_021161.1	Ca_kabuli_chr02	15287307	GG	AA	1940149935
SNP_P1_25204_15302609	NC_021161.1	Ca_kabuli_chr02	15302609	AA	TT	1940149936
SNP_P1_25205_15307442	NC_021161.1	Ca_kabuli_chr02	15307442	CC	TT	1940149937
SNP_P1_25206_15323015	NC_021161.1	Ca_kabuli_chr02	15323015	GG	AA	1940149938
SNP_P1_25208_15351556	NC_021161.1	Ca_kabuli_chr02	15351556	GG	CC	1940149939
SNP_P1_25209_15354683	NC_021161.1	Ca_kabuli_chr02	15354683	GG	AA	1940149940
SNP_P1_25210_15363526	NC_021161.1	Ca_kabuli_chr02	15363526	AA	GG	1940149941
SNP_P1_25211_15363774	NC_021161.1	Ca_kabuli_chr02	15363774	CC	AA	1940149942
SNP_P1_25212_15401206	NC_021161.1	Ca_kabuli_chr02	15401206	AA	CC	1940149943
SNP_P1_25213_15406925	NC_021161.1	Ca_kabuli_chr02	15406925	AA	GG	1940149944
SNP_P1_25214_15409719	NC_021161.1	Ca_kabuli_chr02	15409719	GG	AA	1940149945
SNP_P1_25215_15453885	NC_021161.1	Ca_kabuli_chr02	15453885	GG	TT	1940149946
SNP_P1_25216_15454007	NC_021161.1	Ca_kabuli_chr02	15454007	TT	CC	1940149948
SNP_P1_25217_15454027	NC_021161.1	Ca_kabuli_chr02	15454027	AA	GG	1940149949
SNP_P1_25218_15454074	NC_021161.1	Ca_kabuli_chr02	15454074	GG	CC	1940149950
SNP_P1_25221_15454328	NC_021161.1	Ca_kabuli_chr02	15454328	TT	AA	1940149951
SNP_P1_25222_15454350	NC_021161.1	Ca_kabuli_chr02	15454350	TT	CC	1940149952
SNP_P1_25224_15487682	NC_021161.1	Ca_kabuli_chr02	15487682	TT	CC	1940149953
SNP_P1_25225_15491745	NC_021161.1	Ca_kabuli_chr02	15491745	CC	AA	1940149954
SNP_P1_25226_15505717	NC_021161.1	Ca_kabuli_chr02	15505717	CC	TT	1940149955
SNP_P1_25227_15505720	NC_021161.1	Ca_kabuli_chr02	15505720	GG	AA	1940149956
SNP_P1_25228_15520903	NC_021161.1	Ca_kabuli_chr02	15520903	TT	CC	1940149957
SNP_P1_25229_15521011	NC_021161.1	Ca_kabuli_chr02	15521011	CC	TT	1940149958
SNP_P1_25230_15521218	NC_021161.1	Ca_kabuli_chr02	15521218	CC	AA	1940149959
SNP_P1_25231_15521344	NC_021161.1	Ca_kabuli_chr02	15521344	CC	AA	1940149960
SNP_P1_25232_15545731	NC_021161.1	Ca_kabuli_chr02	15545731	TT	CC	1940149961
SNP_P1_25233_15550147	NC_021161.1	Ca_kabuli_chr02	15550147	AA	GG	1940149962

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25235_15550589	NC_021161.1	Ca_kabuli_chr02	15550589	AA	CC	1940149964
SNP_P1_25236_15550624	NC_021161.1	Ca_kabuli_chr02	15550624	CC	TT	1940149965
SNP_P1_25238_15569689	NC_021161.1	Ca_kabuli_chr02	15569689	TT	GG	1940149966
SNP_P1_25239_15569768	NC_021161.1	Ca_kabuli_chr02	15569768	AA	CC	1940149967
SNP_P1_25240_15569774	NC_021161.1	Ca_kabuli_chr02	15569774	AA	GG	1940149968
SNP_P1_25241_15577620	NC_021161.1	Ca_kabuli_chr02	15577620	GG	AA	1940149969
SNP_P1_25242_15588258	NC_021161.1	Ca_kabuli_chr02	15588258	GG	AA	1940149970
SNP_P1_25243_15588772	NC_021161.1	Ca_kabuli_chr02	15588772	AA	GG	1940149971
SNP_P1_25245_15589189	NC_021161.1	Ca_kabuli_chr02	15589189	CC	TT	1940149972
SNP_P1_25246_15589406	NC_021161.1	Ca_kabuli_chr02	15589406	CC	AA	1940149973
SNP_P1_25247_15589436	NC_021161.1	Ca_kabuli_chr02	15589436	GG	CC	1940149974
SNP_P1_25248_15589603	NC_021161.1	Ca_kabuli_chr02	15589603	CC	AA	1940149975
SNP_P1_25249_15591982	NC_021161.1	Ca_kabuli_chr02	15591982	AA	CC	1940149976
SNP_P1_25250_15593656	NC_021161.1	Ca_kabuli_chr02	15593656	TT	CC	1940149977
SNP_P1_25251_15595260	NC_021161.1	Ca_kabuli_chr02	15595260	AA	GG	1940149978
SNP_P1_25252_15596867	NC_021161.1	Ca_kabuli_chr02	15596867	TT	CC	1940149979
SNP_P1_25253_15598145	NC_021161.1	Ca_kabuli_chr02	15598145	TT	CC	1940149980
SNP_P1_25254_15598338	NC_021161.1	Ca_kabuli_chr02	15598338	TT	CC	1940149981
SNP_P1_25255_15598998	NC_021161.1	Ca_kabuli_chr02	15598998	GG	TT	1940149982
SNP_P1_25256_15599098	NC_021161.1	Ca_kabuli_chr02	15599098	AA	GG	1940149983
SNP_P1_25257_15600141	NC_021161.1	Ca_kabuli_chr02	15600141	TT	GG	1940149984
SNP_P1_25258_15615566	NC_021161.1	Ca_kabuli_chr02	15615566	TT	CC	1940149985
SNP_P1_25260_15630370	NC_021161.1	Ca_kabuli_chr02	15630370	AA	GG	1940149986
SNP_P1_25261_15658097	NC_021161.1	Ca_kabuli_chr02	15658097	TT	CC	1940149987
SNP_P1_25262_15662377	NC_021161.1	Ca_kabuli_chr02	15662377	TT	GG	1940149988
SNP_P1_25263_15675728	NC_021161.1	Ca_kabuli_chr02	15675728	CC	TT	1940149989
SNP_P1_25265_15697274	NC_021161.1	Ca_kabuli_chr02	15697274	CC	AA	1940149990
SNP_P1_25266_15697314	NC_021161.1	Ca_kabuli_chr02	15697314	AA	GG	1940149991
SNP_P1_25267_15697320	NC_021161.1	Ca_kabuli_chr02	15697320	AA	GG	1940149992
SNP_P1_25268_15713604	NC_021161.1	Ca_kabuli_chr02	15713604	GG	AA	1940149993
SNP_P1_25269_15717491	NC_021161.1	Ca_kabuli_chr02	15717491	AA	CC	1940149994
SNP_P1_25270_15717500	NC_021161.1	Ca_kabuli_chr02	15717500	CC	AA	1940149995
SNP_P1_25271_15735568	NC_021161.1	Ca_kabuli_chr02	15735568	TT	CC	1940149996
SNP_P1_25272_15737628	NC_021161.1	Ca_kabuli_chr02	15737628	GG	TT	1940149997
SNP_P1_25273_15737638	NC_021161.1	Ca_kabuli_chr02	15737638	TT	AA	1940149998
SNP_P1_25274_15737644	NC_021161.1	Ca_kabuli_chr02	15737644	TT	GG	1940149999
SNP_P1_25275_15737675	NC_021161.1	Ca_kabuli_chr02	15737675	AA	GG	1940150000
SNP_P1_25276_15737682	NC_021161.1	Ca_kabuli_chr02	15737682	AA	GG	1940150001
SNP_P1_25277_15737706	NC_021161.1	Ca_kabuli_chr02	15737706	CC	TT	1940150002
SNP_P1_25278_15737710	NC_021161.1	Ca_kabuli_chr02	15737710	GG	AA	1940150003
SNP_P1_25279_15737719	NC_021161.1	Ca_kabuli_chr02	15737719	TT	CC	1940150005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25281_15737738	NC_021161.1	Ca_kabuli_chr02	15737738	GG	CC	1940150007
SNP_P1_25282_15737746	NC_021161.1	Ca_kabuli_chr02	15737746	AA	TT	1940150008
SNP_P1_25283_15737781	NC_021161.1	Ca_kabuli_chr02	15737781	TT	CC	1940150009
SNP_P1_25284_15737782	NC_021161.1	Ca_kabuli_chr02	15737782	TT	CC	1940150010
SNP_P1_25285_15746710	NC_021161.1	Ca_kabuli_chr02	15746710	AA	GG	1940150011
SNP_P1_25286_15783931	NC_021161.1	Ca_kabuli_chr02	15783931	TT	CC	1940150012
SNP_P1_25287_15797550	NC_021161.1	Ca_kabuli_chr02	15797550	AA	GG	1940150013
SNP_P1_25289_15814099	NC_021161.1	Ca_kabuli_chr02	15814099	GG	TT	1940150014
SNP_P1_25290_15837393	NC_021161.1	Ca_kabuli_chr02	15837393	TT	CC	1940150015
SNP_P1_25291_15886674	NC_021161.1	Ca_kabuli_chr02	15886674	GG	AA	1940150016
SNP_P1_25292_15902864	NC_021161.1	Ca_kabuli_chr02	15902864	GG	CC	1940150017
SNP_P1_25293_15903634	NC_021161.1	Ca_kabuli_chr02	15903634	TT	CC	1940150018
SNP_P1_25294_15903989	NC_021161.1	Ca_kabuli_chr02	15903989	TT	CC	1940150019
SNP_P1_25296_15912068	NC_021161.1	Ca_kabuli_chr02	15912068	GG	AA	1940150020
SNP_P1_25297_15912641	NC_021161.1	Ca_kabuli_chr02	15912641	GG	AA	1940150021
SNP_P1_25298_15912676	NC_021161.1	Ca_kabuli_chr02	15912676	CC	TT	1940150022
SNP_P1_25299_15912688	NC_021161.1	Ca_kabuli_chr02	15912688	TT	CC	1940150023
SNP_P1_25300_15915967	NC_021161.1	Ca_kabuli_chr02	15915967	AA	CC	1940150024
SNP_P1_25301_15915973	NC_021161.1	Ca_kabuli_chr02	15915973	CC	TT	1940150025
SNP_P1_25302_15915980	NC_021161.1	Ca_kabuli_chr02	15915980	CC	AA	1940150026
SNP_P1_25303_15917479	NC_021161.1	Ca_kabuli_chr02	15917479	CC	AA	1940150027
SNP_P1_25304_15917494	NC_021161.1	Ca_kabuli_chr02	15917494	GG	TT	1940150028
SNP_P1_25305_15917530	NC_021161.1	Ca_kabuli_chr02	15917530	TT	GG	1940150029
SNP_P1_25307_15921527	NC_021161.1	Ca_kabuli_chr02	15921527	GG	CC	1940150030
SNP_P1_25308_15921528	NC_021161.1	Ca_kabuli_chr02	15921528	AA	TT	1940150031
SNP_P1_25309_15934932	NC_021161.1	Ca_kabuli_chr02	15934932	TT	CC	1940150032
SNP_P1_25310_15941138	NC_021161.1	Ca_kabuli_chr02	15941138	TT	CC	1940150033
SNP_P1_25311_15941156	NC_021161.1	Ca_kabuli_chr02	15941156	GG	AA	1940150034
SNP_P1_25312_15941158	NC_021161.1	Ca_kabuli_chr02	15941158	TT	AA	1940150035
SNP_P1_25313_15941176	NC_021161.1	Ca_kabuli_chr02	15941176	TT	GG	1940150036
SNP_P1_25314_15941182	NC_021161.1	Ca_kabuli_chr02	15941182	TT	CC	1940150037
SNP_P1_25315_15941461	NC_021161.1	Ca_kabuli_chr02	15941461	TT	CC	1940150038
SNP_P1_25316_15941465	NC_021161.1	Ca_kabuli_chr02	15941465	AA	CC	1940150039
SNP_P1_25317_15941479	NC_021161.1	Ca_kabuli_chr02	15941479	AA	TT	1940150040
SNP_P1_25318_15941484	NC_021161.1	Ca_kabuli_chr02	15941484	AA	GG	1940150041
SNP_P1_25319_15957745	NC_021161.1	Ca_kabuli_chr02	15957745	GG	CC	1940150042
SNP_P1_25320_16003171	NC_021161.1	Ca_kabuli_chr02	16003171	CC	GG	1940150043
SNP_P1_25322_16003317	NC_021161.1	Ca_kabuli_chr02	16003317	TT	AA	1940150044
SNP_P1_25324_16013606	NC_021161.1	Ca_kabuli_chr02	16013606	AA	GG	1940150045
SNP_P1_25325_16024461	NC_021161.1	Ca_kabuli_chr02	16024461	GG	AA	1940150046
SNP_P1_25326_16032180	NC_021161.1	Ca_kabuli_chr02	16032180	GG	AA	1940150047

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25328_16058110	NC_021161.1	Ca_kabuli_chr02	16058110	TT	GG	1940150049
SNP_P1_25329_16062345	NC_021161.1	Ca_kabuli_chr02	16062345	TT	CC	1940150050
SNP_P1_25330_16082137	NC_021161.1	Ca_kabuli_chr02	16082137	GG	CC	1940150051
SNP_P1_25331_16082139	NC_021161.1	Ca_kabuli_chr02	16082139	TT	AA	1940150052
SNP_P1_25332_16086219	NC_021161.1	Ca_kabuli_chr02	16086219	CC	GG	1940150053
SNP_P1_25334_16097037	NC_021161.1	Ca_kabuli_chr02	16097037	CC	TT	1940150054
SNP_P1_25335_16152428	NC_021161.1	Ca_kabuli_chr02	16152428	AA	GG	1940150056
SNP_P1_25336_16152430	NC_021161.1	Ca_kabuli_chr02	16152430	CC	TT	1940150057
SNP_P1_25337_16152767	NC_021161.1	Ca_kabuli_chr02	16152767	TT	AA	1940150058
SNP_P1_25338_16171087	NC_021161.1	Ca_kabuli_chr02	16171087	CC	TT	1940150059
SNP_P1_25339_16171088	NC_021161.1	Ca_kabuli_chr02	16171088	CC	GG	1940150060
SNP_P1_25340_16171156	NC_021161.1	Ca_kabuli_chr02	16171156	CC	TT	1940150061
SNP_P1_25341_16171464	NC_021161.1	Ca_kabuli_chr02	16171464	AA	TT	1940150062
SNP_P1_25342_16171632	NC_021161.1	Ca_kabuli_chr02	16171632	AA	GG	1940150063
SNP_P1_25343_16177795	NC_021161.1	Ca_kabuli_chr02	16177795	CC	AA	1940150064
SNP_P1_25344_16203417	NC_021161.1	Ca_kabuli_chr02	16203417	GG	AA	1940150065
SNP_P1_25345_16206032	NC_021161.1	Ca_kabuli_chr02	16206032	TT	AA	1940150066
SNP_P1_25346_16206033	NC_021161.1	Ca_kabuli_chr02	16206033	AA	TT	1940150067
SNP_P1_25347_16206038	NC_021161.1	Ca_kabuli_chr02	16206038	TT	AA	1940150068
SNP_P1_25348_16206044	NC_021161.1	Ca_kabuli_chr02	16206044	TT	AA	1940150069
SNP_P1_25349_16206061	NC_021161.1	Ca_kabuli_chr02	16206061	CC	AA	1940150070
SNP_P1_25350_16220849	NC_021161.1	Ca_kabuli_chr02	16220849	CC	TT	1940150071
SNP_P1_25351_16220938	NC_021161.1	Ca_kabuli_chr02	16220938	CC	TT	1940150072
SNP_P1_25352_16220946	NC_021161.1	Ca_kabuli_chr02	16220946	TT	CC	1940150073
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SNP_P1_25354_16252132	NC_021161.1	Ca_kabuli_chr02	16252132	AA	GG	1940150075
SNP_P1_25355_16252175	NC_021161.1	Ca_kabuli_chr02	16252175	TT	AA	1940150076
SNP_P1_25356_16252218	NC_021161.1	Ca_kabuli_chr02	16252218	TT	CC	1940150077
SNP_P1_25357_16252247	NC_021161.1	Ca_kabuli_chr02	16252247	AA	GG	1940150078
SNP_P1_25358_16252501	NC_021161.1	Ca_kabuli_chr02	16252501	TT	CC	1940150079
SNP_P1_25359_16252603	NC_021161.1	Ca_kabuli_chr02	16252603	TT	CC	1940150080
SNP_P1_25360_16252668	NC_021161.1	Ca_kabuli_chr02	16252668	TT	CC	1940150081
SNP_P1_25361_16298725	NC_021161.1	Ca_kabuli_chr02	16298725	CC	TT	1940150082
SNP_P1_25363_16335225	NC_021161.1	Ca_kabuli_chr02	16335225	TT	GG	1940150083
SNP_P1_25364_16335402	NC_021161.1	Ca_kabuli_chr02	16335402	AA	GG	1940150085
SNP_P1_25365_16335418	NC_021161.1	Ca_kabuli_chr02	16335418	GG	AA	1940150086
SNP_P1_25366_16336531	NC_021161.1	Ca_kabuli_chr02	16336531	GG	AA	1940150087
SNP_P1_25367_16341262	NC_021161.1	Ca_kabuli_chr02	16341262	TT	CC	1940150088
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SNP_P1_25369_16343883	NC_021161.1	Ca_kabuli_chr02	16343883	CC	TT	1940150090
SNP_P1_25370_16351454	NC_021161.1	Ca_kabuli_chr02	16351454	GG	AA	1940150091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25372_16351517	NC_021161.1	Ca_kabuli_chr02	16351517	CC	TT	1940150093
SNP_P1_25373_16365662	NC_021161.1	Ca_kabuli_chr02	16365662	TT	CC	1940150094
SNP_P1_25374_16368219	NC_021161.1	Ca_kabuli_chr02	16368219	CC	AA	1940150095
SNP_P1_25375_16385944	NC_021161.1	Ca_kabuli_chr02	16385944	CC	AA	1940150096
SNP_P1_25377_16406755	NC_021161.1	Ca_kabuli_chr02	16406755	AA	TT	1940150097
SNP_P1_25379_16428853	NC_021161.1	Ca_kabuli_chr02	16428853	TT	AA	1940150098
SNP_P1_25380_16433264	NC_021161.1	Ca_kabuli_chr02	16433264	TT	CC	1940150099
SNP_P1_25381_16433581	NC_021161.1	Ca_kabuli_chr02	16433581	TT	CC	1940150100
SNP_P1_25382_16433654	NC_021161.1	Ca_kabuli_chr02	16433654	AA	GG	1940150102
SNP_P1_25383_16456475	NC_021161.1	Ca_kabuli_chr02	16456475	TT	CC	1940150103
SNP_P1_25384_16456491	NC_021161.1	Ca_kabuli_chr02	16456491	GG	AA	1940150104
SNP_P1_25385_16456492	NC_021161.1	Ca_kabuli_chr02	16456492	GG	AA	1940150105
SNP_P1_25386_16456500	NC_021161.1	Ca_kabuli_chr02	16456500	AA	GG	1940150106
SNP_P1_25387_16456508	NC_021161.1	Ca_kabuli_chr02	16456508	AA	CC	1940150107
SNP_P1_25389_16456587	NC_021161.1	Ca_kabuli_chr02	16456587	AA	GG	1940150108
SNP_P1_25390_16456591	NC_021161.1	Ca_kabuli_chr02	16456591	CC	TT	1940150109
SNP_P1_25391_16456800	NC_021161.1	Ca_kabuli_chr02	16456800	TT	CC	1940150110
SNP_P1_25392_16458241	NC_021161.1	Ca_kabuli_chr02	16458241	CC	TT	1940150111
SNP_P1_25393_16464428	NC_021161.1	Ca_kabuli_chr02	16464428	CC	TT	1940150112
SNP_P1_25394_16465093	NC_021161.1	Ca_kabuli_chr02	16465093	TT	CC	1940150113
SNP_P1_25395_16465095	NC_021161.1	Ca_kabuli_chr02	16465095	AA	GG	1940150114
SNP_P1_25396_16466141	NC_021161.1	Ca_kabuli_chr02	16466141	CC	TT	1940150115
SNP_P1_25397_16489672	NC_021161.1	Ca_kabuli_chr02	16489672	GG	AA	1940150116
SNP_P1_25398_16507755	NC_021161.1	Ca_kabuli_chr02	16507755	AA	TT	1940150117
SNP_P1_25399_16508350	NC_021161.1	Ca_kabuli_chr02	16508350	AA	GG	1940150118
SNP_P1_25400_16508367	NC_021161.1	Ca_kabuli_chr02	16508367	AA	TT	1940150119
SNP_P1_25401_16508483	NC_021161.1	Ca_kabuli_chr02	16508483	TT	CC	1940150121
SNP_P1_25402_16508537	NC_021161.1	Ca_kabuli_chr02	16508537	CC	GG	1940150122
SNP_P1_25403_16508764	NC_021161.1	Ca_kabuli_chr02	16508764	CC	TT	1940150123
SNP_P1_25404_16509102	NC_021161.1	Ca_kabuli_chr02	16509102	TT	CC	1940150124
SNP_P1_25405_16509249	NC_021161.1	Ca_kabuli_chr02	16509249	GG	AA	1940150125
SNP_P1_25406_16509316	NC_021161.1	Ca_kabuli_chr02	16509316	TT	CC	1940150126
SNP_P1_25407_16509586	NC_021161.1	Ca_kabuli_chr02	16509586	CC	TT	1940150127
SNP_P1_25408_16509591	NC_021161.1	Ca_kabuli_chr02	16509591	TT	CC	1940150128
SNP_P1_25409_16510339	NC_021161.1	Ca_kabuli_chr02	16510339	GG	AA	1940150129
SNP_P1_25410_16510350	NC_021161.1	Ca_kabuli_chr02	16510350	AA	GG	1940150130
SNP_P1_25411_16511747	NC_021161.1	Ca_kabuli_chr02	16511747	GG	AA	1940150131
SNP_P1_25412_16513075	NC_021161.1	Ca_kabuli_chr02	16513075	TT	GG	1940150132
SNP_P1_25413_16514195	NC_021161.1	Ca_kabuli_chr02	16514195	AA	GG	1940150133
SNP_P1_25414_16514419	NC_021161.1	Ca_kabuli_chr02	16514419	TT	AA	1940150134
SNP_P1_25415_16514432	NC_021161.1	Ca_kabuli_chr02	16514432	AA	GG	1940150135

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_25417_16514511	NC_021161.1	Ca_kabuli_chr02	16514511	AA	GG	1940150136
SNP_P1_25418_16514534	NC_021161.1	Ca_kabuli_chr02	16514534	CC	AA	1940150137
SNP_P1_25419_16537413	NC_021161.1	Ca_kabuli_chr02	16537413	GG	TT	1940150138
SNP_P1_25420_16537675	NC_021161.1	Ca_kabuli_chr02	16537675	GG	AA	1940150139
SNP_P1_25421_16565488	NC_021161.1	Ca_kabuli_chr02	16565488	TT	CC	1940150141
SNP_P1_25422_16583474	NC_021161.1	Ca_kabuli_chr02	16583474	TT	CC	1940150142
SNP_P1_25423_16589786	NC_021161.1	Ca_kabuli_chr02	16589786	CC	TT	1940150143
SNP_P1_25424_16602863	NC_021161.1	Ca_kabuli_chr02	16602863	TT	CC	1940150144
SNP_P1_25425_16603212	NC_021161.1	Ca_kabuli_chr02	16603212	GG	AA	1940150145
SNP_P1_25426_16604893	NC_021161.1	Ca_kabuli_chr02	16604893	GG	AA	1940150146
SNP_P1_25427_16604909	NC_021161.1	Ca_kabuli_chr02	16604909	TT	CC	1940150147
SNP_P1_25428_16614892	NC_021161.1	Ca_kabuli_chr02	16614892	GG	AA	1940150148
SNP_P1_25429_16650062	NC_021161.1	Ca_kabuli_chr02	16650062	TT	CC	1940150149
SNP_P1_25430_16650071	NC_021161.1	Ca_kabuli_chr02	16650071	CC	TT	1940150150
SNP_P1_25431_16650158	NC_021161.1	Ca_kabuli_chr02	16650158	AA	GG	1940150151
SNP_P1_25432_16666695	NC_021161.1	Ca_kabuli_chr02	16666695	TT	GG	1940150152
SNP_P1_25433_16667738	NC_021161.1	Ca_kabuli_chr02	16667738	AA	GG	1940150153
SNP_P1_25434_16670481	NC_021161.1	Ca_kabuli_chr02	16670481	TT	GG	1940150154
SNP_P1_25435_16670484	NC_021161.1	Ca_kabuli_chr02	16670484	AA	GG	1940150155
SNP_P1_25436_16697585	NC_021161.1	Ca_kabuli_chr02	16697585	CC	TT	1940150156
SNP_P1_25438_16713574	NC_021161.1	Ca_kabuli_chr02	16713574	GG	TT	1940150157
SNP_P1_25439_16713577	NC_021161.1	Ca_kabuli_chr02	16713577	TT	CC	1940150158
SNP_P1_25440_16715349	NC_021161.1	Ca_kabuli_chr02	16715349	TT	GG	1940150159
SNP_P1_25441_16717694	NC_021161.1	Ca_kabuli_chr02	16717694	TT	CC	1940150160
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SNP_P1_25445_16785233	NC_021161.1	Ca_kabuli_chr02	16785233	AA	CC	1940150164
SNP_P1_25446_16788458	NC_021161.1	Ca_kabuli_chr02	16788458	AA	GG	1940150165
SNP_P1_25447_16833444	NC_021161.1	Ca_kabuli_chr02	16833444	CC	TT	1940150166
SNP_P1_25448_16864440	NC_021161.1	Ca_kabuli_chr02	16864440	TT	AA	1940150167
SNP_P1_25449_16864507	NC_021161.1	Ca_kabuli_chr02	16864507	CC	AA	1940150168
SNP_P1_25450_16864595	NC_021161.1	Ca_kabuli_chr02	16864595	CC	GG	1940150169
SNP_P1_25451_16864702	NC_021161.1	Ca_kabuli_chr02	16864702	AA	GG	1940150170
SNP_P1_25452_16864729	NC_021161.1	Ca_kabuli_chr02	16864729	TT	CC	1940150171
SNP_P1_25453_16864811	NC_021161.1	Ca_kabuli_chr02	16864811	GG	AA	1940150172
SNP_P1_25454_16874163	NC_021161.1	Ca_kabuli_chr02	16874163	GG	CC	1940150173
SNP_P1_25455_16886351	NC_021161.1	Ca_kabuli_chr02	16886351	CC	AA	1940150174
SNP_P1_25456_16938675	NC_021161.1	Ca_kabuli_chr02	16938675	TT	AA	1940150175
SNP_P1_25457_16938676	NC_021161.1	Ca_kabuli_chr02	16938676	GG	CC	1940150176
SNP_P1_25458_16938680	NC_021161.1	Ca_kabuli_chr02	16938680	CC	TT	1940150177
SNP_P1_25459_16938681	NC_021161.1	Ca_kabuli_chr02	16938681	GG	AA	1940150178

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25463_16991367	NC_021161.1	Ca_kabuli_chr02	16991367	CC	GG	1940150181
SNP_P1_25464_16991372	NC_021161.1	Ca_kabuli_chr02	16991372	CC	TT	1940150183
SNP_P1_25465_16991409	NC_021161.1	Ca_kabuli_chr02	16991409	GG	AA	1940150184
SNP_P1_25466_17023938	NC_021161.1	Ca_kabuli_chr02	17023938	TT	CC	1940150185
SNP_P1_25467_17023951	NC_021161.1	Ca_kabuli_chr02	17023951	CC	TT	1940150186
SNP_P1_25468_17024944	NC_021161.1	Ca_kabuli_chr02	17024944	GG	CC	1940150187
SNP_P1_25469_17025308	NC_021161.1	Ca_kabuli_chr02	17025308	AA	GG	1940150188
SNP_P1_25470_17025973	NC_021161.1	Ca_kabuli_chr02	17025973	AA	GG	1940150189
SNP_P1_25471_17030318	NC_021161.1	Ca_kabuli_chr02	17030318	CC	AA	1940150190
SNP_P1_25472_17030590	NC_021161.1	Ca_kabuli_chr02	17030590	CC	AA	1940150191
SNP_P1_25473_17031821	NC_021161.1	Ca_kabuli_chr02	17031821	CC	AA	1940150192
SNP_P1_25476_17050215	NC_021161.1	Ca_kabuli_chr02	17050215	TT	CC	1940150193
SNP_P1_25477_17050221	NC_021161.1	Ca_kabuli_chr02	17050221	GG	TT	1940150194
SNP_P1_25478_17050245	NC_021161.1	Ca_kabuli_chr02	17050245	AA	GG	1940150195
SNP_P1_25480_17050342	NC_021161.1	Ca_kabuli_chr02	17050342	GG	AA	1940150196
SNP_P1_25481_17050371	NC_021161.1	Ca_kabuli_chr02	17050371	TT	GG	1940150197
SNP_P1_25482_17051495	NC_021161.1	Ca_kabuli_chr02	17051495	GG	AA	1940150198
SNP_P1_25484_17061394	NC_021161.1	Ca_kabuli_chr02	17061394	AA	GG	1940150199
SNP_P1_25485_17061395	NC_021161.1	Ca_kabuli_chr02	17061395	GG	TT	1940150200
SNP_P1_25486_17061666	NC_021161.1	Ca_kabuli_chr02	17061666	TT	CC	1940150201
SNP_P1_25488_17061686	NC_021161.1	Ca_kabuli_chr02	17061686	GG	AA	1940150202
SNP_P1_25489_17062079	NC_021161.1	Ca_kabuli_chr02	17062079	AA	GG	1940150203
SNP_P1_25490_17106692	NC_021161.1	Ca_kabuli_chr02	17106692	TT	GG	1940150204
SNP_P1_25491_17161727	NC_021161.1	Ca_kabuli_chr02	17161727	TT	CC	1940150205
SNP_P1_25492_17161737	NC_021161.1	Ca_kabuli_chr02	17161737	GG	AA	1940150206
SNP_P1_25493_17162049	NC_021161.1	Ca_kabuli_chr02	17162049	TT	CC	1940150207
SNP_P1_25494_17162077	NC_021161.1	Ca_kabuli_chr02	17162077	AA	CC	1940150208
SNP_P1_25495_17162080	NC_021161.1	Ca_kabuli_chr02	17162080	TT	CC	1940150209
SNP_P1_25496_17162108	NC_021161.1	Ca_kabuli_chr02	17162108	CC	TT	1940150210
SNP_P1_25497_17195458	NC_021161.1	Ca_kabuli_chr02	17195458	GG	AA	1940150211
SNP_P1_25498_17203428	NC_021161.1	Ca_kabuli_chr02	17203428	AA	GG	1940150212
SNP_P1_25499_17203676	NC_021161.1	Ca_kabuli_chr02	17203676	GG	TT	1940150213
SNP_P1_25500_17203725	NC_021161.1	Ca_kabuli_chr02	17203725	GG	AA	1940150214
SNP_P1_25501_17203869	NC_021161.1	Ca_kabuli_chr02	17203869	GG	AA	1940150215
SNP_P1_25502_17208715	NC_021161.1	Ca_kabuli_chr02	17208715	CC	TT	1940150216
SNP_P1_25503_17208784	NC_021161.1	Ca_kabuli_chr02	17208784	TT	CC	1940150217
SNP_P1_25504_17208801	NC_021161.1	Ca_kabuli_chr02	17208801	AA	GG	1940150218
SNP_P1_25505_17208837	NC_021161.1	Ca_kabuli_chr02	17208837	TT	GG	1940150219
SNP_P1_25506_17208855	NC_021161.1	Ca_kabuli_chr02	17208855	AA	GG	1940150220
SNP_P1_25507_17209000	NC_021161.1	Ca_kabuli_chr02	17209000	AA	GG	1940150221

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25509_17209030	NC_021161.1	Ca_kabuli_chr02	17209030	TT	CC	1940150223
SNP_P1_25510_17209200	NC_021161.1	Ca_kabuli_chr02	17209200	TT	CC	1940150224
SNP_P1_25511_17209221	NC_021161.1	Ca_kabuli_chr02	17209221	CC	TT	1940150225
SNP_P1_25512_17209236	NC_021161.1	Ca_kabuli_chr02	17209236	TT	CC	1940150227
SNP_P1_25514_17209271	NC_021161.1	Ca_kabuli_chr02	17209271	TT	AA	1940150228
SNP_P1_25515_17209272	NC_021161.1	Ca_kabuli_chr02	17209272	AA	CC	1940150229
SNP_P1_25516_17209316	NC_021161.1	Ca_kabuli_chr02	17209316	GG	AA	1940150230
SNP_P1_25517_17221665	NC_021161.1	Ca_kabuli_chr02	17221665	TT	CC	1940150231
SNP_P1_25518_17243366	NC_021161.1	Ca_kabuli_chr02	17243366	AA	GG	1940150232
SNP_P1_25519_17256354	NC_021161.1	Ca_kabuli_chr02	17256354	TT	CC	1940150233
SNP_P1_25520_17257055	NC_021161.1	Ca_kabuli_chr02	17257055	TT	CC	1940150234
SNP_P1_25521_17257270	NC_021161.1	Ca_kabuli_chr02	17257270	TT	GG	1940150235
SNP_P1_25522_17257374	NC_021161.1	Ca_kabuli_chr02	17257374	AA	CC	1940150236
SNP_P1_25523_17257480	NC_021161.1	Ca_kabuli_chr02	17257480	AA	GG	1940150237
SNP_P1_25524_17257544	NC_021161.1	Ca_kabuli_chr02	17257544	AA	GG	1940150238
SNP_P1_25525_17257677	NC_021161.1	Ca_kabuli_chr02	17257677	AA	CC	1940150239
SNP_P1_25526_17257940	NC_021161.1	Ca_kabuli_chr02	17257940	AA	GG	1940150240
SNP_P1_25527_17278115	NC_021161.1	Ca_kabuli_chr02	17278115	CC	GG	1940150241
SNP_P1_25528_17286842	NC_021161.1	Ca_kabuli_chr02	17286842	AA	TT	1940150242
SNP_P1_25531_17385384	NC_021161.1	Ca_kabuli_chr02	17385384	CC	TT	1940150243
SNP_P1_25532_17386057	NC_021161.1	Ca_kabuli_chr02	17386057	TT	AA	1940150244
SNP_P1_25533_17386129	NC_021161.1	Ca_kabuli_chr02	17386129	GG	TT	1940150245
SNP_P1_25534_17387281	NC_021161.1	Ca_kabuli_chr02	17387281	GG	AA	1940150246
SNP_P1_25535_17387294	NC_021161.1	Ca_kabuli_chr02	17387294	TT	CC	1940150247
SNP_P1_25536_17387698	NC_021161.1	Ca_kabuli_chr02	17387698	TT	AA	1940150248
SNP_P1_25538_17390200	NC_021161.1	Ca_kabuli_chr02	17390200	CC	GG	1940150249
SNP_P1_25539_17391596	NC_021161.1	Ca_kabuli_chr02	17391596	TT	CC	1940150250
SNP_P1_25540_17395649	NC_021161.1	Ca_kabuli_chr02	17395649	TT	CC	1940150251
SNP_P1_25541_17395652	NC_021161.1	Ca_kabuli_chr02	17395652	AA	GG	1940150252
SNP_P1_25542_17396509	NC_021161.1	Ca_kabuli_chr02	17396509	CC	TT	1940150253
SNP_P1_25543_17402394	NC_021161.1	Ca_kabuli_chr02	17402394	AA	GG	1940150254
SNP_P1_25544_17406919	NC_021161.1	Ca_kabuli_chr02	17406919	AA	GG	1940150255
SNP_P1_25545_17407152	NC_021161.1	Ca_kabuli_chr02	17407152	TT	CC	1940150256
SNP_P1_25546_17407191	NC_021161.1	Ca_kabuli_chr02	17407191	TT	CC	1940150257
SNP_P1_25547_17407192	NC_021161.1	Ca_kabuli_chr02	17407192	TT	AA	1940150259
SNP_P1_25548_17407228	NC_021161.1	Ca_kabuli_chr02	17407228	TT	CC	1940150260
SNP_P1_25549_17407243	NC_021161.1	Ca_kabuli_chr02	17407243	TT	CC	1940150261
SNP_P1_25550_17407306	NC_021161.1	Ca_kabuli_chr02	17407306	TT	CC	1940150262
SNP_P1_25551_17415358	NC_021161.1	Ca_kabuli_chr02	17415358	TT	CC	1940150263
SNP_P1_25552_17432752	NC_021161.1	Ca_kabuli_chr02	17432752	AA	GG	1940150264
SNP_P1_25553_17435998	NC_021161.1	Ca_kabuli_chr02	17435998	AA	GG	1940150265

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25555_17490802	NC_021161.1	Ca_kabuli_chr02	17490802	CC	GG	1940150267
SNP_P1_25556_17491116	NC_021161.1	Ca_kabuli_chr02	17491116	TT	CC	1940150268
SNP_P1_25557_17491175	NC_021161.1	Ca_kabuli_chr02	17491175	AA	CC	1940150269
SNP_P1_25558_17491195	NC_021161.1	Ca_kabuli_chr02	17491195	AA	CC	1940150270
SNP_P1_25559_17491346	NC_021161.1	Ca_kabuli_chr02	17491346	TT	CC	1940150271
SNP_P1_25560_17551350	NC_021161.1	Ca_kabuli_chr02	17551350	AA	CC	1940150272
SNP_P1_25561_17551479	NC_021161.1	Ca_kabuli_chr02	17551479	CC	TT	1940150273
SNP_P1_25562_17551577	NC_021161.1	Ca_kabuli_chr02	17551577	AA	CC	1940150274
SNP_P1_25563_17551656	NC_021161.1	Ca_kabuli_chr02	17551656	AA	GG	1940150275
SNP_P1_25565_17551859	NC_021161.1	Ca_kabuli_chr02	17551859	AA	CC	1940150276
SNP_P1_25566_17551903	NC_021161.1	Ca_kabuli_chr02	17551903	GG	AA	1940150277
SNP_P1_25567_17551912	NC_021161.1	Ca_kabuli_chr02	17551912	GG	AA	1940150278
SNP_P1_25568_17552222	NC_021161.1	Ca_kabuli_chr02	17552222	CC	TT	1940150279
SNP_P1_25569_17563165	NC_021161.1	Ca_kabuli_chr02	17563165	GG	AA	1940150280
SNP_P1_25570_17565172	NC_021161.1	Ca_kabuli_chr02	17565172	CC	AA	1940150281
SNP_P1_25571_17578465	NC_021161.1	Ca_kabuli_chr02	17578465	TT	CC	1940150282
SNP_P1_25572_17581493	NC_021161.1	Ca_kabuli_chr02	17581493	AA	TT	1940150283
SNP_P1_25573_17581502	NC_021161.1	Ca_kabuli_chr02	17581502	AA	TT	1940150284
SNP_P1_25575_17594447	NC_021161.1	Ca_kabuli_chr02	17594447	CC	TT	1940150285
SNP_P1_25576_17594793	NC_021161.1	Ca_kabuli_chr02	17594793	GG	AA	1940150286
SNP_P1_25577_17594809	NC_021161.1	Ca_kabuli_chr02	17594809	CC	TT	1940150287
SNP_P1_25578_17595233	NC_021161.1	Ca_kabuli_chr02	17595233	AA	GG	1940150288
SNP_P1_25580_17702775	NC_021161.1	Ca_kabuli_chr02	17702775	CC	TT	1940150289
SNP_P1_25581_17704886	NC_021161.1	Ca_kabuli_chr02	17704886	GG	AA	1940150290
SNP_P1_25582_17704901	NC_021161.1	Ca_kabuli_chr02	17704901	GG	AA	1940150291
SNP_P1_25583_17704922	NC_021161.1	Ca_kabuli_chr02	17704922	CC	TT	1940150293
SNP_P1_25584_17704934	NC_021161.1	Ca_kabuli_chr02	17704934	CC	TT	1940150294
SNP_P1_25585_17724750	NC_021161.1	Ca_kabuli_chr02	17724750	TT	CC	1940150295
SNP_P1_25586_17728738	NC_021161.1	Ca_kabuli_chr02	17728738	TT	CC	1940150296
SNP_P1_25587_17732129	NC_021161.1	Ca_kabuli_chr02	17732129	CC	GG	1940150297
SNP_P1_25588_17750297	NC_021161.1	Ca_kabuli_chr02	17750297	CC	TT	1940150298
SNP_P1_25589_17765814	NC_021161.1	Ca_kabuli_chr02	17765814	GG	TT	1940150299
SNP_P1_25590_17770501	NC_021161.1	Ca_kabuli_chr02	17770501	CC	TT	1940150300
SNP_P1_25591_17771114	NC_021161.1	Ca_kabuli_chr02	17771114	CC	TT	1940150301
SNP_P1_25592_17772698	NC_021161.1	Ca_kabuli_chr02	17772698	CC	TT	1940150302
SNP_P1_25593_17816837	NC_021161.1	Ca_kabuli_chr02	17816837	GG	AA	1940150303
SNP_P1_25595_17854200	NC_021161.1	Ca_kabuli_chr02	17854200	TT	CC	1940150304
SNP_P1_25596_17854201	NC_021161.1	Ca_kabuli_chr02	17854201	TT	CC	1940150305
SNP_P1_25597_17868835	NC_021161.1	Ca_kabuli_chr02	17868835	CC	TT	1940150306
SNP_P1_25598_17873045	NC_021161.1	Ca_kabuli_chr02	17873045	TT	CC	1940150307
SNP_P1_25599_17876349	NC_021161.1	Ca_kabuli_chr02	17876349	AA	CC	1940150308

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25601_17892636	NC_021161.1	Ca_kabuli_chr02	17892636	AA	GG	1940150310
SNP_P1_25602_17892640	NC_021161.1	Ca_kabuli_chr02	17892640	AA	GG	1940150311
SNP_P1_25603_17892647	NC_021161.1	Ca_kabuli_chr02	17892647	TT	AA	1940150312
SNP_P1_25604_17892653	NC_021161.1	Ca_kabuli_chr02	17892653	TT	GG	1940150313
SNP_P1_25605_17892880	NC_021161.1	Ca_kabuli_chr02	17892880	TT	AA	1940150314
SNP_P1_25606_17892994	NC_021161.1	Ca_kabuli_chr02	17892994	TT	CC	1940150315
SNP_P1_25607_17893072	NC_021161.1	Ca_kabuli_chr02	17893072	TT	CC	1940150316
SNP_P1_25608_17893077	NC_021161.1	Ca_kabuli_chr02	17893077	AA	TT	1940150317
SNP_P1_25610_17893275	NC_021161.1	Ca_kabuli_chr02	17893275	GG	TT	1940150318
SNP_P1_25612_17895425	NC_021161.1	Ca_kabuli_chr02	17895425	CC	TT	1940150319
SNP_P1_25613_17904336	NC_021161.1	Ca_kabuli_chr02	17904336	CC	TT	1940150320
SNP_P1_25614_17904549	NC_021161.1	Ca_kabuli_chr02	17904549	TT	AA	1940150321
SNP_P1_25615_17904594	NC_021161.1	Ca_kabuli_chr02	17904594	CC	TT	1940150322
SNP_P1_25616_17915721	NC_021161.1	Ca_kabuli_chr02	17915721	TT	CC	1940150323
SNP_P1_25617_17915732	NC_021161.1	Ca_kabuli_chr02	17915732	GG	TT	1940150324
SNP_P1_25618_17922398	NC_021161.1	Ca_kabuli_chr02	17922398	TT	CC	1940150325
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SNP_P1_25620_17930536	NC_021161.1	Ca_kabuli_chr02	17930536	AA	TT	1940150327
SNP_P1_25621_17981411	NC_021161.1	Ca_kabuli_chr02	17981411	CC	GG	1940150329
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SNP_P1_25623_17991130	NC_021161.1	Ca_kabuli_chr02	17991130	GG	AA	1940150331
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SNP_P1_25629_17997753	NC_021161.1	Ca_kabuli_chr02	17997753	CC	GG	1940150336
SNP_P1_25630_17997757	NC_021161.1	Ca_kabuli_chr02	17997757	CC	TT	1940150337
SNP_P1_25631_17997822	NC_021161.1	Ca_kabuli_chr02	17997822	TT	CC	1940150338
SNP_P1_25632_17997827	NC_021161.1	Ca_kabuli_chr02	17997827	GG	AA	1940150339
SNP_P1_25633_17997851	NC_021161.1	Ca_kabuli_chr02	17997851	AA	GG	1940150340
SNP_P1_25635_18091056	NC_021161.1	Ca_kabuli_chr02	18091056	TT	CC	1940150341
SNP_P1_25636_18092448	NC_021161.1	Ca_kabuli_chr02	18092448	CC	AA	1940150342
SNP_P1_25637_18098595	NC_021161.1	Ca_kabuli_chr02	18098595	GG	TT	1940150343
SNP_P1_25638_18101286	NC_021161.1	Ca_kabuli_chr02	18101286	TT	CC	1940150344
SNP_P1_25639_18101647	NC_021161.1	Ca_kabuli_chr02	18101647	CC	TT	1940150345
SNP_P1_25640_18101673	NC_021161.1	Ca_kabuli_chr02	18101673	CC	GG	1940150346
SNP_P1_25641_18101680	NC_021161.1	Ca_kabuli_chr02	18101680	GG	AA	1940150347
SNP_P1_25642_18101688	NC_021161.1	Ca_kabuli_chr02	18101688	CC	TT	1940150348
SNP_P1_25643_18102917	NC_021161.1	Ca_kabuli_chr02	18102917	TT	CC	1940150349
SNP_P1_25644_18103853	NC_021161.1	Ca_kabuli_chr02	18103853	GG	TT	1940150350
SNP_P1_25645_18110141	NC_021161.1	Ca_kabuli_chr02	18110141	GG	AA	1940150351

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25649_18160531	NC_021161.1	Ca_kabuli_chr02	18160531	AA	TT	1940150354
SNP_P1_25650_18160533	NC_021161.1	Ca_kabuli_chr02	18160533	AA	CC	1940150355
SNP_P1_25651_18169549	NC_021161.1	Ca_kabuli_chr02	18169549	AA	CC	1940150356
SNP_P1_25652_18169553	NC_021161.1	Ca_kabuli_chr02	18169553	CC	GG	1940150357
SNP_P1_25653_18169567	NC_021161.1	Ca_kabuli_chr02	18169567	AA	CC	1940150358
SNP_P1_25654_18169995	NC_021161.1	Ca_kabuli_chr02	18169995	TT	CC	1940150359
SNP_P1_25655_18170071	NC_021161.1	Ca_kabuli_chr02	18170071	TT	AA	1940150360
SNP_P1_25657_18211752	NC_021161.1	Ca_kabuli_chr02	18211752	TT	CC	1940150361
SNP_P1_25658_18211753	NC_021161.1	Ca_kabuli_chr02	18211753	CC	TT	1940150362
SNP_P1_25659_18211762	NC_021161.1	Ca_kabuli_chr02	18211762	TT	CC	1940150363
SNP_P1_25660_18212307	NC_021161.1	Ca_kabuli_chr02	18212307	AA	TT	1940150364
SNP_P1_25661_18212311	NC_021161.1	Ca_kabuli_chr02	18212311	AA	TT	1940150365
SNP_P1_25662_18213731	NC_021161.1	Ca_kabuli_chr02	18213731	AA	GG	1940150366
SNP_P1_25666_18232375	NC_021161.1	Ca_kabuli_chr02	18232375	CC	TT	1940150367
SNP_P1_25668_18241796	NC_021161.1	Ca_kabuli_chr02	18241796	AA	GG	1940150368
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SNP_P1_25670_18326511	NC_021161.1	Ca_kabuli_chr02	18326511	CC	TT	1940150370
SNP_P1_25671_18326563	NC_021161.1	Ca_kabuli_chr02	18326563	GG	AA	1940150371
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SNP_P1_25673_18326632	NC_021161.1	Ca_kabuli_chr02	18326632	TT	GG	1940150373
SNP_P1_25674_18329613	NC_021161.1	Ca_kabuli_chr02	18329613	GG	AA	1940150374
SNP_P1_25675_18348227	NC_021161.1	Ca_kabuli_chr02	18348227	GG	AA	1940150375
SNP_P1_25676_18381798	NC_021161.1	Ca_kabuli_chr02	18381798	AA	GG	1940150376
SNP_P1_25678_18397815	NC_021161.1	Ca_kabuli_chr02	18397815	CC	TT	1940150377
SNP_P1_25679_18400084	NC_021161.1	Ca_kabuli_chr02	18400084	AA	GG	1940150379
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SNP_P1_25681_18400430	NC_021161.1	Ca_kabuli_chr02	18400430	AA	GG	1940150381
SNP_P1_25682_18400480	NC_021161.1	Ca_kabuli_chr02	18400480	AA	CC	1940150382
SNP_P1_25683_18400619	NC_021161.1	Ca_kabuli_chr02	18400619	TT	CC	1940150383
SNP_P1_25684_18407979	NC_021161.1	Ca_kabuli_chr02	18407979	CC	TT	1940150384
SNP_P1_25685_18408278	NC_021161.1	Ca_kabuli_chr02	18408278	TT	AA	1940150385
SNP_P1_25686_18408305	NC_021161.1	Ca_kabuli_chr02	18408305	GG	TT	1940150386
SNP_P1_25687_18408330	NC_021161.1	Ca_kabuli_chr02	18408330	CC	TT	1940150387
SNP_P1_25688_18408726	NC_021161.1	Ca_kabuli_chr02	18408726	AA	CC	1940150388
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SNP_P1_25690_18408955	NC_021161.1	Ca_kabuli_chr02	18408955	TT	CC	1940150390
SNP_P1_25691_18409050	NC_021161.1	Ca_kabuli_chr02	18409050	CC	TT	1940150391
SNP_P1_25692_18409324	NC_021161.1	Ca_kabuli_chr02	18409324	CC	AA	1940150392
SNP_P1_25693_18409472	NC_021161.1	Ca_kabuli_chr02	18409472	TT	CC	1940150393
SNP_P1_25694_18411484	NC_021161.1	Ca_kabuli_chr02	18411484	AA	GG	1940150394

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_25695_18412077	NC_021161.1	Ca_kabuli_chr02	18412077	GG	AA	1940150395
SNP_P1_25696_18412114	NC_021161.1	Ca_kabuli_chr02	18412114	TT	GG	1940150396
SNP_P1_25697_18438386	NC_021161.1	Ca_kabuli_chr02	18438386	GG	AA	1940150397
SNP_P1_25698_18438391	NC_021161.1	Ca_kabuli_chr02	18438391	GG	AA	1940150398
SNP_P1_25699_18438684	NC_021161.1	Ca_kabuli_chr02	18438684	AA	GG	1940150399
SNP_P1_25701_18488304	NC_021161.1	Ca_kabuli_chr02	18488304	TT	AA	1940150400
SNP_P1_25703_18523391	NC_021161.1	Ca_kabuli_chr02	18523391	GG	AA	1940150401
SNP_P1_25704_18530415	NC_021161.1	Ca_kabuli_chr02	18530415	TT	CC	1940150402
SNP_P1_25705_18563006	NC_021161.1	Ca_kabuli_chr02	18563006	TT	CC	1940150404
SNP_P1_25708_18586968	NC_021161.1	Ca_kabuli_chr02	18586968	TT	CC	1940150405
SNP_P1_25709_18586973	NC_021161.1	Ca_kabuli_chr02	18586973	CC	TT	1940150406
SNP_P1_25710_18587020	NC_021161.1	Ca_kabuli_chr02	18587020	TT	CC	1940150407
SNP_P1_25711_18587041	NC_021161.1	Ca_kabuli_chr02	18587041	CC	TT	1940150408
SNP_P1_25712_18587045	NC_021161.1	Ca_kabuli_chr02	18587045	TT	CC	1940150409
SNP_P1_25713_18587091	NC_021161.1	Ca_kabuli_chr02	18587091	CC	TT	1940150410
SNP_P1_25714_18587092	NC_021161.1	Ca_kabuli_chr02	18587092	AA	TT	1940150411
SNP_P1_25715_18592936	NC_021161.1	Ca_kabuli_chr02	18592936	CC	TT	1940150412
SNP_P1_25718_18611627	NC_021161.1	Ca_kabuli_chr02	18611627	TT	CC	1940150413
SNP_P1_25719_18611652	NC_021161.1	Ca_kabuli_chr02	18611652	CC	GG	1940150414
SNP_P1_25720_18611867	NC_021161.1	Ca_kabuli_chr02	18611867	TT	AA	1940150415
SNP_P1_25721_18611888	NC_021161.1	Ca_kabuli_chr02	18611888	GG	AA	1940150416
SNP_P1_25722_18648119	NC_021161.1	Ca_kabuli_chr02	18648119	AA	GG	1940150417
SNP_P1_25723_18664005	NC_021161.1	Ca_kabuli_chr02	18664005	GG	TT	1940150418
SNP_P1_25724_18671914	NC_021161.1	Ca_kabuli_chr02	18671914	TT	CC	1940150419
SNP_P1_25725_18699680	NC_021161.1	Ca_kabuli_chr02	18699680	TT	CC	1940150420
SNP_P1_25726_18699681	NC_021161.1	Ca_kabuli_chr02	18699681	GG	AA	1940150421
SNP_P1_25727_18707456	NC_021161.1	Ca_kabuli_chr02	18707456	GG	AA	1940150422
SNP_P1_25728_18707482	NC_021161.1	Ca_kabuli_chr02	18707482	GG	TT	1940150423
SNP_P1_25729_18711818	NC_021161.1	Ca_kabuli_chr02	18711818	CC	GG	1940150424
SNP_P1_25730_18711865	NC_021161.1	Ca_kabuli_chr02	18711865	TT	GG	1940150425
SNP_P1_25731_18711952	NC_021161.1	Ca_kabuli_chr02	18711952	CC	AA	1940150426
SNP_P1_25732_18711955	NC_021161.1	Ca_kabuli_chr02	18711955	CC	GG	1940150427
SNP_P1_25733_18712168	NC_021161.1	Ca_kabuli_chr02	18712168	AA	GG	1940150428
SNP_P1_25734_18713763	NC_021161.1	Ca_kabuli_chr02	18713763	TT	CC	1940150429
SNP_P1_25736_18724645	NC_021161.1	Ca_kabuli_chr02	18724645	GG	CC	1940150430
SNP_P1_25737_18728283	NC_021161.1	Ca_kabuli_chr02	18728283	TT	CC	1940150431
SNP_P1_25738_18739608	NC_021161.1	Ca_kabuli_chr02	18739608	TT	AA	1940150432
SNP_P1_25740_18755446	NC_021161.1	Ca_kabuli_chr02	18755446	CC	GG	1940150433
SNP_P1_25741_18758156	NC_021161.1	Ca_kabuli_chr02	18758156	CC	TT	1940150434
SNP_P1_25744_18776229	NC_021161.1	Ca_kabuli_chr02	18776229	TT	CC	1940150435
SNP_P1_25745_18776272	NC_021161.1	Ca_kabuli_chr02	18776272	CC	TT	1940150436
SNP_P1_25746_18776531	NC_021161.1	Ca_kabuli_chr02	18776531	TT	CC	1940150437

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_25747_18776541	NC_021161.1	Ca_kabuli_chr02	18776541	CC	TT	1940150438
SNP_P1_25748_18776586	NC_021161.1	Ca_kabuli_chr02	18776586	AA	GG	1940150439
SNP_P1_25749_18776591	NC_021161.1	Ca_kabuli_chr02	18776591	AA	TT	1940150440
SNP_P1_25750_18776632	NC_021161.1	Ca_kabuli_chr02	18776632	TT	GG	1940150441
SNP_P1_25751_18776637	NC_021161.1	Ca_kabuli_chr02	18776637	CC	TT	1940150442
SNP_P1_25752_18776649	NC_021161.1	Ca_kabuli_chr02	18776649	GG	AA	1940150443
SNP_P1_25753_18776675	NC_021161.1	Ca_kabuli_chr02	18776675	AA	TT	1940150444
SNP_P1_25754_18777244	NC_021161.1	Ca_kabuli_chr02	18777244	CC	GG	1940150445
SNP_P1_25755_18777261	NC_021161.1	Ca_kabuli_chr02	18777261	CC	TT	1940150446
SNP_P1_25756_18821746	NC_021161.1	Ca_kabuli_chr02	18821746	TT	GG	1940150447
SNP_P1_25757_18823578	NC_021161.1	Ca_kabuli_chr02	18823578	TT	CC	1940150449
SNP_P1_25758_18824866	NC_021161.1	Ca_kabuli_chr02	18824866	AA	GG	1940150450
SNP_P1_25759_18824906	NC_021161.1	Ca_kabuli_chr02	18824906	CC	TT	1940150451
SNP_P1_25760_18824921	NC_021161.1	Ca_kabuli_chr02	18824921	GG	AA	1940150452
SNP_P1_25761_18824923	NC_021161.1	Ca_kabuli_chr02	18824923	TT	AA	1940150453
SNP_P1_25763_18835324	NC_021161.1	Ca_kabuli_chr02	18835324	TT	CC	1940150454
SNP_P1_25764_18854188	NC_021161.1	Ca_kabuli_chr02	18854188	TT	CC	1940150455
SNP_P1_25765_18899485	NC_021161.1	Ca_kabuli_chr02	18899485	TT	AA	1940150456
SNP_P1_25766_18899488	NC_021161.1	Ca_kabuli_chr02	18899488	AA	TT	1940150457
SNP_P1_25767_18936558	NC_021161.1	Ca_kabuli_chr02	18936558	TT	GG	1940150458
SNP_P1_25768_18944165	NC_021161.1	Ca_kabuli_chr02	18944165	CC	AA	1940150459
SNP_P1_25769_18944455	NC_021161.1	Ca_kabuli_chr02	18944455	TT	CC	1940150460
SNP_P1_25770_18944481	NC_021161.1	Ca_kabuli_chr02	18944481	CC	TT	1940150461
SNP_P1_25771_18944494	NC_021161.1	Ca_kabuli_chr02	18944494	TT	CC	1940150462
SNP_P1_25772_18956655	NC_021161.1	Ca_kabuli_chr02	18956655	AA	GG	1940150463
SNP_P1_25773_19000030	NC_021161.1	Ca_kabuli_chr02	19000030	GG	AA	1940150464
SNP_P1_25774_19000040	NC_021161.1	Ca_kabuli_chr02	19000040	AA	TT	1940150465
SNP_P1_25775_19000059	NC_021161.1	Ca_kabuli_chr02	19000059	TT	CC	1940150466
SNP_P1_25776_19000333	NC_021161.1	Ca_kabuli_chr02	19000333	CC	TT	1940150467
SNP_P1_25777_19008963	NC_021161.1	Ca_kabuli_chr02	19008963	AA	GG	1940150468
SNP_P1_25779_19008991	NC_021161.1	Ca_kabuli_chr02	19008991	GG	TT	1940150469
SNP_P1_25780_19009078	NC_021161.1	Ca_kabuli_chr02	19009078	GG	AA	1940150470
SNP_P1_25781_19009112	NC_021161.1	Ca_kabuli_chr02	19009112	GG	CC	1940150471
SNP_P1_25782_19009219	NC_021161.1	Ca_kabuli_chr02	19009219	GG	AA	1940150472
SNP_P1_25783_19009234	NC_021161.1	Ca_kabuli_chr02	19009234	AA	CC	1940150473
SNP_P1_25784_19009310	NC_021161.1	Ca_kabuli_chr02	19009310	TT	GG	1940150474
SNP_P1_25785_19009322	NC_021161.1	Ca_kabuli_chr02	19009322	TT	AA	1940150475
SNP_P1_25786_19015885	NC_021161.1	Ca_kabuli_chr02	19015885	CC	TT	1940150476
SNP_P1_25787_19015940	NC_021161.1	Ca_kabuli_chr02	19015940	GG	TT	1940150477
SNP_P1_25789_19016017	NC_021161.1	Ca_kabuli_chr02	19016017	AA	GG	1940150478
SNP_P1_25790_19016117	NC_021161.1	Ca_kabuli_chr02	19016117	GG	AA	1940150479
SNP_P1_25791_19016130	NC_021161.1	Ca_kabuli_chr02	19016130	TT	CC	1940150480

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_25792_19016165	NC_021161.1	Ca_kabuli_chr02	19016165	TT	CC	1940150481
SNP_P1_25793_19016194	NC_021161.1	Ca_kabuli_chr02	19016194	AA	GG	1940150482
SNP_P1_25794_19016204	NC_021161.1	Ca_kabuli_chr02	19016204	CC	GG	1940150483
SNP_P1_25795_19016206	NC_021161.1	Ca_kabuli_chr02	19016206	AA	GG	1940150484
SNP_P1_25796_19016276	NC_021161.1	Ca_kabuli_chr02	19016276	TT	GG	1940150485
SNP_P1_25797_19016301	NC_021161.1	Ca_kabuli_chr02	19016301	TT	CC	1940150486
SNP_P1_25798_19016333	NC_021161.1	Ca_kabuli_chr02	19016333	CC	AA	1940150487
SNP_P1_25799_19016367	NC_021161.1	Ca_kabuli_chr02	19016367	TT	AA	1940150488
SNP_P1_25800_19016382	NC_021161.1	Ca_kabuli_chr02	19016382	CC	TT	1940150490
SNP_P1_25801_19025596	NC_021161.1	Ca_kabuli_chr02	19025596	GG	TT	1940150491
SNP_P1_25802_19026665	NC_021161.1	Ca_kabuli_chr02	19026665	AA	TT	1940150492
SNP_P1_25803_19026700	NC_021161.1	Ca_kabuli_chr02	19026700	TT	CC	1940150493
SNP_P1_25804_19053048	NC_021161.1	Ca_kabuli_chr02	19053048	AA	TT	1940150494
SNP_P1_25805_19053100	NC_021161.1	Ca_kabuli_chr02	19053100	GG	TT	1940150495
SNP_P1_25806_19053118	NC_021161.1	Ca_kabuli_chr02	19053118	AA	GG	1940150496
SNP_P1_25807_19093570	NC_021161.1	Ca_kabuli_chr02	19093570	GG	AA	1940150497
SNP_P1_25808_19093598	NC_021161.1	Ca_kabuli_chr02	19093598	GG	TT	1940150498
SNP_P1_25809_19101513	NC_021161.1	Ca_kabuli_chr02	19101513	CC	TT	1940150499
SNP_P1_25811_19101582	NC_021161.1	Ca_kabuli_chr02	19101582	AA	CC	1940150500
SNP_P1_25812_19101628	NC_021161.1	Ca_kabuli_chr02	19101628	TT	GG	1940150501
SNP_P1_25813_19101808	NC_021161.1	Ca_kabuli_chr02	19101808	CC	TT	1940150502
SNP_P1_25814_19101819	NC_021161.1	Ca_kabuli_chr02	19101819	GG	CC	1940150503
SNP_P1_25815_19101821	NC_021161.1	Ca_kabuli_chr02	19101821	TT	AA	1940150504
SNP_P1_25816_19101835	NC_021161.1	Ca_kabuli_chr02	19101835	TT	CC	1940150505
SNP_P1_25817_19101837	NC_021161.1	Ca_kabuli_chr02	19101837	AA	GG	1940150506
SNP_P1_25818_19101914	NC_021161.1	Ca_kabuli_chr02	19101914	TT	GG	1940150507
SNP_P1_25819_19102148	NC_021161.1	Ca_kabuli_chr02	19102148	AA	TT	1940150508
SNP_P1_25820_19102452	NC_021161.1	Ca_kabuli_chr02	19102452	TT	GG	1940150509
SNP_P1_25822_19123710	NC_021161.1	Ca_kabuli_chr02	19123710	AA	TT	1940150510
SNP_P1_25823_19130490	NC_021161.1	Ca_kabuli_chr02	19130490	CC	TT	1940150511
SNP_P1_25825_19133400	NC_021161.1	Ca_kabuli_chr02	19133400	AA	TT	1940150512
SNP_P1_25827_19134874	NC_021161.1	Ca_kabuli_chr02	19134874	TT	GG	1940150513
SNP_P1_25828_19134875	NC_021161.1	Ca_kabuli_chr02	19134875	AA	CC	1940150514
SNP_P1_25829_19135943	NC_021161.1	Ca_kabuli_chr02	19135943	AA	GG	1940150515
SNP_P1_25831_19139071	NC_021161.1	Ca_kabuli_chr02	19139071	TT	CC	1940150516
SNP_P1_25832_19139107	NC_021161.1	Ca_kabuli_chr02	19139107	TT	CC	1940150517
SNP_P1_25833_19139293	NC_021161.1	Ca_kabuli_chr02	19139293	TT	CC	1940150518
SNP_P1_25834_19139310	NC_021161.1	Ca_kabuli_chr02	19139310	CC	TT	1940150519
SNP_P1_25835_19139815	NC_021161.1	Ca_kabuli_chr02	19139815	GG	AA	1940150520
SNP_P1_25837_19164413	NC_021161.1	Ca_kabuli_chr02	19164413	TT	AA	1940150521
SNP_P1_25838_19164452	NC_021161.1	Ca_kabuli_chr02	19164452	AA	CC	1940150522
SNP_P1_25839_19164465	NC_021161.1	Ca_kabuli_chr02	19164465	CC	GG	1940150523

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_25840_19179963	NC_021161.1	Ca_kabuli_chr02	19179963	GG	TT	1940150524
SNP_P1_25841_19179965	NC_021161.1	Ca_kabuli_chr02	19179965	GG	AA	1940150525
SNP_P1_25842_19180056	NC_021161.1	Ca_kabuli_chr02	19180056	TT	GG	1940150526
SNP_P1_25843_19180136	NC_021161.1	Ca_kabuli_chr02	19180136	TT	AA	1940150527
SNP_P1_25844_19180331	NC_021161.1	Ca_kabuli_chr02	19180331	GG	TT	1940150528
SNP_P1_25845_19180357	NC_021161.1	Ca_kabuli_chr02	19180357	AA	GG	1940150530
SNP_P1_25846_19180390	NC_021161.1	Ca_kabuli_chr02	19180390	AA	CC	1940150531
SNP_P1_25847_19180398	NC_021161.1	Ca_kabuli_chr02	19180398	CC	GG	1940150532
SNP_P1_25848_19193436	NC_021161.1	Ca_kabuli_chr02	19193436	AA	GG	1940150533
SNP_P1_25850_19193478	NC_021161.1	Ca_kabuli_chr02	19193478	TT	CC	1940150534
SNP_P1_25851_19193489	NC_021161.1	Ca_kabuli_chr02	19193489	TT	AA	1940150535
SNP_P1_25852_19193525	NC_021161.1	Ca_kabuli_chr02	19193525	CC	TT	1940150536
SNP_P1_25853_19193543	NC_021161.1	Ca_kabuli_chr02	19193543	AA	GG	1940150537
SNP_P1_25854_19193612	NC_021161.1	Ca_kabuli_chr02	19193612	TT	CC	1940150538
SNP_P1_25855_19193676	NC_021161.1	Ca_kabuli_chr02	19193676	TT	CC	1940150539
SNP_P1_25856_19193696	NC_021161.1	Ca_kabuli_chr02	19193696	CC	AA	1940150540
SNP_P1_25857_19193704	NC_021161.1	Ca_kabuli_chr02	19193704	CC	TT	1940150541
SNP_P1_25858_19193739	NC_021161.1	Ca_kabuli_chr02	19193739	GG	AA	1940150542
SNP_P1_25859_19193780	NC_021161.1	Ca_kabuli_chr02	19193780	GG	TT	1940150543
SNP_P1_25860_19193938	NC_021161.1	Ca_kabuli_chr02	19193938	AA	TT	1940150544
SNP_P1_25861_19198037	NC_021161.1	Ca_kabuli_chr02	19198037	CC	GG	1940150545
SNP_P1_25862_19198148	NC_021161.1	Ca_kabuli_chr02	19198148	TT	CC	1940150546
SNP_P1_25863_19198159	NC_021161.1	Ca_kabuli_chr02	19198159	CC	TT	1940150547
SNP_P1_25864_19198176	NC_021161.1	Ca_kabuli_chr02	19198176	CC	TT	1940150548
SNP_P1_25865_19198280	NC_021161.1	Ca_kabuli_chr02	19198280	AA	GG	1940150549
SNP_P1_25866_19198339	NC_021161.1	Ca_kabuli_chr02	19198339	GG	AA	1940150550
SNP_P1_25867_19198379	NC_021161.1	Ca_kabuli_chr02	19198379	GG	AA	1940150551
SNP_P1_25868_19198426	NC_021161.1	Ca_kabuli_chr02	19198426	CC	GG	1940150552
SNP_P1_25869_19198428	NC_021161.1	Ca_kabuli_chr02	19198428	AA	CC	1940150553
SNP_P1_25870_19198547	NC_021161.1	Ca_kabuli_chr02	19198547	TT	AA	1940150554
SNP_P1_25872_19215675	NC_021161.1	Ca_kabuli_chr02	19215675	TT	CC	1940150555
SNP_P1_25873_19215695	NC_021161.1	Ca_kabuli_chr02	19215695	TT	CC	1940150556
SNP_P1_25874_19216133	NC_021161.1	Ca_kabuli_chr02	19216133	TT	AA	1940150557
SNP_P1_25875_19216149	NC_021161.1	Ca_kabuli_chr02	19216149	GG	AA	1940150558
SNP_P1_25876_19218734	NC_021161.1	Ca_kabuli_chr02	19218734	AA	TT	1940150559
SNP_P1_25878_19219051	NC_021161.1	Ca_kabuli_chr02	19219051	CC	TT	1940150561
SNP_P1_25879_19219073	NC_021161.1	Ca_kabuli_chr02	19219073	GG	AA	1940150562
SNP_P1_25880_19219080	NC_021161.1	Ca_kabuli_chr02	19219080	GG	TT	1940150563
SNP_P1_25881_19219160	NC_021161.1	Ca_kabuli_chr02	19219160	CC	AA	1940150564
SNP_P1_25882_19222622	NC_021161.1	Ca_kabuli_chr02	19222622	CC	AA	1940150565
SNP_P1_25883_19225388	NC_021161.1	Ca_kabuli_chr02	19225388	CC	TT	1940150566
SNP_P1_25884_19251509	NC_021161.1	Ca_kabuli_chr02	19251509	TT	AA	1940150567

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_25886_19251693	NC_021161.1	Ca_kabuli_chr02	19251693	CC	TT	1940150569
SNP_P1_25887_19251870	NC_021161.1	Ca_kabuli_chr02	19251870	AA	GG	1940150570
SNP_P1_25888_19251875	NC_021161.1	Ca_kabuli_chr02	19251875	AA	GG	1940150571
SNP_P1_25889_19251940	NC_021161.1	Ca_kabuli_chr02	19251940	GG	AA	1940150572
SNP_P1_25890_19281257	NC_021161.1	Ca_kabuli_chr02	19281257	AA	CC	1940150573
SNP_P1_25891_19283963	NC_021161.1	Ca_kabuli_chr02	19283963	TT	CC	1940150574
SNP_P1_25892_19312593	NC_021161.1	Ca_kabuli_chr02	19312593	AA	CC	1940150575
SNP_P1_25893_19314605	NC_021161.1	Ca_kabuli_chr02	19314605	TT	AA	1940150576
SNP_P1_25894_19314641	NC_021161.1	Ca_kabuli_chr02	19314641	AA	GG	1940150577
SNP_P1_25895_19314657	NC_021161.1	Ca_kabuli_chr02	19314657	AA	TT	1940150578
SNP_P1_25896_19314681	NC_021161.1	Ca_kabuli_chr02	19314681	TT	GG	1940150579
SNP_P1_25897_19315077	NC_021161.1	Ca_kabuli_chr02	19315077	CC	TT	1940150580
SNP_P1_25898_19326528	NC_021161.1	Ca_kabuli_chr02	19326528	CC	AA	1940150581
SNP_P1_25899_19326624	NC_021161.1	Ca_kabuli_chr02	19326624	TT	CC	1940150582
SNP_P1_25900_19327297	NC_021161.1	Ca_kabuli_chr02	19327297	GG	AA	1940150583
SNP_P1_25901_19336264	NC_021161.1	Ca_kabuli_chr02	19336264	CC	TT	1940150584
SNP_P1_25903_19402736	NC_021161.1	Ca_kabuli_chr02	19402736	GG	CC	1940150585
SNP_P1_25904_19423068	NC_021161.1	Ca_kabuli_chr02	19423068	GG	AA	1940150586
SNP_P1_25905_19447731	NC_021161.1	Ca_kabuli_chr02	19447731	CC	AA	1940150587
SNP_P1_25906_19461456	NC_021161.1	Ca_kabuli_chr02	19461456	CC	TT	1940150588
SNP_P1_25907_19461469	NC_021161.1	Ca_kabuli_chr02	19461469	TT	GG	1940150589
SNP_P1_25908_19461525	NC_021161.1	Ca_kabuli_chr02	19461525	TT	GG	1940150590
SNP_P1_25909_19461683	NC_021161.1	Ca_kabuli_chr02	19461683	AA	GG	1940150591
SNP_P1_25910_19461944	NC_021161.1	Ca_kabuli_chr02	19461944	TT	CC	1940150592
SNP_P1_25912_19465833	NC_021161.1	Ca_kabuli_chr02	19465833	GG	TT	1940150593
SNP_P1_25913_19468124	NC_021161.1	Ca_kabuli_chr02	19468124	TT	CC	1940150594
SNP_P1_25914_19483164	NC_021161.1	Ca_kabuli_chr02	19483164	CC	GG	1940150595
SNP_P1_25915_19500858	NC_021161.1	Ca_kabuli_chr02	19500858	CC	GG	1940150596
SNP_P1_25916_19501270	NC_021161.1	Ca_kabuli_chr02	19501270	AA	CC	1940150598
SNP_P1_25917_19501354	NC_021161.1	Ca_kabuli_chr02	19501354	GG	AA	1940150599
SNP_P1_25918_19501464	NC_021161.1	Ca_kabuli_chr02	19501464	GG	TT	1940150600
SNP_P1_25919_19501669	NC_021161.1	Ca_kabuli_chr02	19501669	TT	AA	1940150601
SNP_P1_25920_19501682	NC_021161.1	Ca_kabuli_chr02	19501682	TT	AA	1940150602
SNP_P1_25921_19514480	NC_021161.1	Ca_kabuli_chr02	19514480	CC	TT	1940150603
SNP_P1_25922_19515288	NC_021161.1	Ca_kabuli_chr02	19515288	GG	TT	1940150604
SNP_P1_25923_19516209	NC_021161.1	Ca_kabuli_chr02	19516209	AA	TT	1940150605
SNP_P1_25924_19516490	NC_021161.1	Ca_kabuli_chr02	19516490	AA	TT	1940150606
SNP_P1_25925_19516537	NC_021161.1	Ca_kabuli_chr02	19516537	TT	CC	1940150607
SNP_P1_25926_19516614	NC_021161.1	Ca_kabuli_chr02	19516614	CC	AA	1940150608
SNP_P1_25927_19516618	NC_021161.1	Ca_kabuli_chr02	19516618	GG	AA	1940150609
SNP_P1_25928_19516682	NC_021161.1	Ca_kabuli_chr02	19516682	TT	AA	1940150610

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_25929_19516693	NC_021161.1	Ca_kabuli_chr02	19516693	GG	AA	1940150611
SNP_P1_25930_19516714	NC_021161.1	Ca_kabuli_chr02	19516714	AA	GG	1940150612
SNP_P1_25931_19516732	NC_021161.1	Ca_kabuli_chr02	19516732	AA	TT	1940150613
SNP_P1_25932_19516741	NC_021161.1	Ca_kabuli_chr02	19516741	CC	AA	1940150614
SNP_P1_25933_19516742	NC_021161.1	Ca_kabuli_chr02	19516742	AA	TT	1940150615
SNP_P1_25934_19516771	NC_021161.1	Ca_kabuli_chr02	19516771	AA	CC	1940150616
SNP_P1_25935_19516834	NC_021161.1	Ca_kabuli_chr02	19516834	CC	TT	1940150617
SNP_P1_25936_19517140	NC_021161.1	Ca_kabuli_chr02	19517140	GG	AA	1940150618
SNP_P1_25937_19517421	NC_021161.1	Ca_kabuli_chr02	19517421	CC	AA	1940150619
SNP_P1_25938_19517439	NC_021161.1	Ca_kabuli_chr02	19517439	AA	TT	1940150620
SNP_P1_25939_19517944	NC_021161.1	Ca_kabuli_chr02	19517944	GG	AA	1940150621
SNP_P1_25940_19518007	NC_021161.1	Ca_kabuli_chr02	19518007	TT	AA	1940150622
SNP_P1_25941_19524025	NC_021161.1	Ca_kabuli_chr02	19524025	CC	TT	1940150623
SNP_P1_25942_19528664	NC_021161.1	Ca_kabuli_chr02	19528664	GG	AA	1940150624
SNP_P1_25943_19528736	NC_021161.1	Ca_kabuli_chr02	19528736	AA	GG	1940150625
SNP_P1_25944_19529058	NC_021161.1	Ca_kabuli_chr02	19529058	TT	CC	1940150626
SNP_P1_25945_19529070	NC_021161.1	Ca_kabuli_chr02	19529070	TT	AA	1940150627
SNP_P1_25946_19529101	NC_021161.1	Ca_kabuli_chr02	19529101	GG	AA	1940150628
SNP_P1_25947_19530036	NC_021161.1	Ca_kabuli_chr02	19530036	GG	AA	1940150629
SNP_P1_25948_19538493	NC_021161.1	Ca_kabuli_chr02	19538493	GG	CC	1940150630
SNP_P1_25949_19559030	NC_021161.1	Ca_kabuli_chr02	19559030	AA	TT	1940150631
SNP_P1_25950_19559032	NC_021161.1	Ca_kabuli_chr02	19559032	AA	TT	1940150632
SNP_P1_25951_19559046	NC_021161.1	Ca_kabuli_chr02	19559046	TT	AA	1940150633
SNP_P1_25952_19559551	NC_021161.1	Ca_kabuli_chr02	19559551	GG	CC	1940150634
SNP_P1_25954_19570572	NC_021161.1	Ca_kabuli_chr02	19570572	AA	CC	1940150635
SNP_P1_25955_19570589	NC_021161.1	Ca_kabuli_chr02	19570589	TT	CC	1940150636
SNP_P1_25956_19570811	NC_021161.1	Ca_kabuli_chr02	19570811	AA	GG	1940150638
SNP_P1_25957_19571111	NC_021161.1	Ca_kabuli_chr02	19571111	CC	TT	1940150639
SNP_P1_25958_19571170	NC_021161.1	Ca_kabuli_chr02	19571170	GG	TT	1940150640
SNP_P1_25960_19581045	NC_021161.1	Ca_kabuli_chr02	19581045	AA	TT	1940150641
SNP_P1_25961_19590070	NC_021161.1	Ca_kabuli_chr02	19590070	CC	TT	1940150642
SNP_P1_25962_19590210	NC_021161.1	Ca_kabuli_chr02	19590210	TT	CC	1940150643
SNP_P1_25963_19590298	NC_021161.1	Ca_kabuli_chr02	19590298	TT	CC	1940150644
SNP_P1_25964_19590307	NC_021161.1	Ca_kabuli_chr02	19590307	AA	GG	1940150645
SNP_P1_25965_19590522	NC_021161.1	Ca_kabuli_chr02	19590522	GG	CC	1940150646
SNP_P1_25966_19590627	NC_021161.1	Ca_kabuli_chr02	19590627	TT	GG	1940150647
SNP_P1_25967_19590633	NC_021161.1	Ca_kabuli_chr02	19590633	CC	TT	1940150648
SNP_P1_25968_19598540	NC_021161.1	Ca_kabuli_chr02	19598540	CC	TT	1940150649
SNP_P1_25969_19602666	NC_021161.1	Ca_kabuli_chr02	19602666	AA	GG	1940150650
SNP_P1_25970_19602674	NC_021161.1	Ca_kabuli_chr02	19602674	TT	AA	1940150651
SNP_P1_25971_19602719	NC_021161.1	Ca_kabuli_chr02	19602719	TT	CC	1940150652
SNP_P1_25972_19602728	NC_021161.1	Ca_kabuli_chr02	19602728	CC	GG	1940150653

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_25973_19602794	NC_021161.1	Ca_kabuli_chr02	19602794	CC	TT	1940150654
SNP_P1_25974_19602798	NC_021161.1	Ca_kabuli_chr02	19602798	TT	GG	1940150655
SNP_P1_25975_19602813	NC_021161.1	Ca_kabuli_chr02	19602813	GG	TT	1940150656
SNP_P1_25976_19602862	NC_021161.1	Ca_kabuli_chr02	19602862	TT	AA	1940150657
SNP_P1_25977_19603085	NC_021161.1	Ca_kabuli_chr02	19603085	GG	AA	1940150658
SNP_P1_25978_19603097	NC_021161.1	Ca_kabuli_chr02	19603097	GG	AA	1940150659
SNP_P1_25979_19603219	NC_021161.1	Ca_kabuli_chr02	19603219	AA	GG	1940150660
SNP_P1_25980_19603231	NC_021161.1	Ca_kabuli_chr02	19603231	TT	CC	1940150661
SNP_P1_25981_19603243	NC_021161.1	Ca_kabuli_chr02	19603243	TT	CC	1940150662
SNP_P1_25982_19604640	NC_021161.1	Ca_kabuli_chr02	19604640	AA	TT	1940150663
SNP_P1_25983_19609254	NC_021161.1	Ca_kabuli_chr02	19609254	AA	GG	1940150664
SNP_P1_25984_19614819	NC_021161.1	Ca_kabuli_chr02	19614819	AA	CC	1940150666
SNP_P1_25985_19615414	NC_021161.1	Ca_kabuli_chr02	19615414	AA	TT	1940150667
SNP_P1_25986_19615434	NC_021161.1	Ca_kabuli_chr02	19615434	CC	AA	1940150668
SNP_P1_25987_19615575	NC_021161.1	Ca_kabuli_chr02	19615575	TT	CC	1940150669
SNP_P1_25988_19616934	NC_021161.1	Ca_kabuli_chr02	19616934	TT	GG	1940150670
SNP_P1_25989_19616952	NC_021161.1	Ca_kabuli_chr02	19616952	TT	CC	1940150671
SNP_P1_25990_19617047	NC_021161.1	Ca_kabuli_chr02	19617047	AA	GG	1940150672
SNP_P1_25991_19617048	NC_021161.1	Ca_kabuli_chr02	19617048	CC	TT	1940150673
SNP_P1_25992_19617056	NC_021161.1	Ca_kabuli_chr02	19617056	TT	AA	1940150674
SNP_P1_25993_19617099	NC_021161.1	Ca_kabuli_chr02	19617099	GG	AA	1940150675
SNP_P1_25994_19617167	NC_021161.1	Ca_kabuli_chr02	19617167	TT	CC	1940150676
SNP_P1_25995_19617169	NC_021161.1	Ca_kabuli_chr02	19617169	AA	GG	1940150677
SNP_P1_25996_19617347	NC_021161.1	Ca_kabuli_chr02	19617347	AA	GG	1940150678
SNP_P1_25997_19617350	NC_021161.1	Ca_kabuli_chr02	19617350	AA	GG	1940150679
SNP_P1_25998_19617390	NC_021161.1	Ca_kabuli_chr02	19617390	AA	GG	1940150680
SNP_P1_25999_19617404	NC_021161.1	Ca_kabuli_chr02	19617404	AA	GG	1940150681
SNP_P1_26000_19617431	NC_021161.1	Ca_kabuli_chr02	19617431	CC	AA	1940150682
SNP_P1_26001_19617438	NC_021161.1	Ca_kabuli_chr02	19617438	TT	AA	1940150683
SNP_P1_26002_19620639	NC_021161.1	Ca_kabuli_chr02	19620639	TT	GG	1940150684
SNP_P1_26004_19620937	NC_021161.1	Ca_kabuli_chr02	19620937	TT	CC	1940150685
SNP_P1_26005_19620942	NC_021161.1	Ca_kabuli_chr02	19620942	TT	GG	1940150686
SNP_P1_26006_19644867	NC_021161.1	Ca_kabuli_chr02	19644867	TT	CC	1940150687
SNP_P1_26007_19644912	NC_021161.1	Ca_kabuli_chr02	19644912	AA	GG	1940150688
SNP_P1_26008_19646159	NC_021161.1	Ca_kabuli_chr02	19646159	TT	AA	1940150689
SNP_P1_26009_19646162	NC_021161.1	Ca_kabuli_chr02	19646162	TT	CC	1940150690
SNP_P1_26010_19646217	NC_021161.1	Ca_kabuli_chr02	19646217	CC	TT	1940150691
SNP_P1_26011_19649679	NC_021161.1	Ca_kabuli_chr02	19649679	CC	AA	1940150692
SNP_P1_26012_19650340	NC_021161.1	Ca_kabuli_chr02	19650340	CC	TT	1940150693
SNP_P1_26013_19650564	NC_021161.1	Ca_kabuli_chr02	19650564	GG	AA	1940150694
SNP_P1_26015_19652479	NC_021161.1	Ca_kabuli_chr02	19652479	TT	CC	1940150695
SNP_P1_26016_19652501	NC_021161.1	Ca_kabuli_chr02	19652501	TT	CC	1940150696

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_26017_19652524	NC_021161.1	Ca_kabuli_chr02	19652524	CC	TT	1940150697
SNP_P1_26018_19652935	NC_021161.1	Ca_kabuli_chr02	19652935	TT	CC	1940150698
SNP_P1_26019_19653215	NC_021161.1	Ca_kabuli_chr02	19653215	GG	AA	1940150699
SNP_P1_26020_19667301	NC_021161.1	Ca_kabuli_chr02	19667301	GG	AA	1940150700
SNP_P1_26021_19667561	NC_021161.1	Ca_kabuli_chr02	19667561	TT	CC	1940150701
SNP_P1_26023_19706030	NC_021161.1	Ca_kabuli_chr02	19706030	AA	CC	1940150702
SNP_P1_26024_19728633	NC_021161.1	Ca_kabuli_chr02	19728633	GG	AA	1940150704
SNP_P1_26025_19728776	NC_021161.1	Ca_kabuli_chr02	19728776	AA	GG	1940150705
SNP_P1_26026_19767952	NC_021161.1	Ca_kabuli_chr02	19767952	AA	GG	1940150706
SNP_P1_26027_19768096	NC_021161.1	Ca_kabuli_chr02	19768096	TT	AA	1940150707
SNP_P1_26028_19768097	NC_021161.1	Ca_kabuli_chr02	19768097	AA	GG	1940150708
SNP_P1_26029_19768142	NC_021161.1	Ca_kabuli_chr02	19768142	CC	TT	1940150709
SNP_P1_26030_19768158	NC_021161.1	Ca_kabuli_chr02	19768158	CC	TT	1940150710
SNP_P1_26031_19768159	NC_021161.1	Ca_kabuli_chr02	19768159	AA	GG	1940150711
SNP_P1_26032_19768217	NC_021161.1	Ca_kabuli_chr02	19768217	AA	GG	1940150712
SNP_P1_26033_19768232	NC_021161.1	Ca_kabuli_chr02	19768232	AA	GG	1940150713
SNP_P1_26034_19768394	NC_021161.1	Ca_kabuli_chr02	19768394	AA	GG	1940150714
SNP_P1_26035_19769243	NC_021161.1	Ca_kabuli_chr02	19769243	AA	GG	1940150715
SNP_P1_26036_19769320	NC_021161.1	Ca_kabuli_chr02	19769320	AA	CC	1940150716
SNP_P1_26037_19769324	NC_021161.1	Ca_kabuli_chr02	19769324	TT	CC	1940150717
SNP_P1_26038_19769347	NC_021161.1	Ca_kabuli_chr02	19769347	CC	TT	1940150718
SNP_P1_26039_19769366	NC_021161.1	Ca_kabuli_chr02	19769366	GG	TT	1940150719
SNP_P1_26040_19769453	NC_021161.1	Ca_kabuli_chr02	19769453	GG	AA	1940150720
SNP_P1_26041_19769456	NC_021161.1	Ca_kabuli_chr02	19769456	CC	TT	1940150721
SNP_P1_26042_19769528	NC_021161.1	Ca_kabuli_chr02	19769528	GG	AA	1940150722
SNP_P1_26043_19769540	NC_021161.1	Ca_kabuli_chr02	19769540	AA	CC	1940150723
SNP_P1_26044_19769549	NC_021161.1	Ca_kabuli_chr02	19769549	TT	CC	1940150724
SNP_P1_26045_19769601	NC_021161.1	Ca_kabuli_chr02	19769601	AA	CC	1940150725
SNP_P1_26047_19769771	NC_021161.1	Ca_kabuli_chr02	19769771	GG	AA	1940150726
SNP_P1_26048_19769792	NC_021161.1	Ca_kabuli_chr02	19769792	GG	AA	1940150727
SNP_P1_26049_19772423	NC_021161.1	Ca_kabuli_chr02	19772423	TT	CC	1940150728
SNP_P1_26050_19772430	NC_021161.1	Ca_kabuli_chr02	19772430	CC	AA	1940150729
SNP_P1_26051_19772482	NC_021161.1	Ca_kabuli_chr02	19772482	CC	TT	1940150730
SNP_P1_26052_19772517	NC_021161.1	Ca_kabuli_chr02	19772517	TT	AA	1940150731
SNP_P1_26053_19772550	NC_021161.1	Ca_kabuli_chr02	19772550	AA	CC	1940150732
SNP_P1_26054_19772674	NC_021161.1	Ca_kabuli_chr02	19772674	TT	GG	1940150733
SNP_P1_26055_19772684	NC_021161.1	Ca_kabuli_chr02	19772684	TT	CC	1940150734
SNP_P1_26056_19772773	NC_021161.1	Ca_kabuli_chr02	19772773	TT	GG	1940150735
SNP_P1_26058_19772802	NC_021161.1	Ca_kabuli_chr02	19772802	AA	GG	1940150737
SNP_P1_26059_19772959	NC_021161.1	Ca_kabuli_chr02	19772959	AA	GG	1940150738
SNP_P1_26060_19772990	NC_021161.1	Ca_kabuli_chr02	19772990	AA	GG	1940150739
SNP_P1_26061_19779047	NC_021161.1	Ca_kabuli_chr02	19779047	TT	AA	1940150740

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26064_19791817	NC_021161.1	Ca_kabuli_chr02	19791817	TT	GG	1940150742
SNP_P1_26065_19792024	NC_021161.1	Ca_kabuli_chr02	19792024	CC	AA	1940150743
SNP_P1_26066_19792025	NC_021161.1	Ca_kabuli_chr02	19792025	AA	CC	1940150744
SNP_P1_26067_19792187	NC_021161.1	Ca_kabuli_chr02	19792187	CC	TT	1940150745
SNP_P1_26068_19792192	NC_021161.1	Ca_kabuli_chr02	19792192	TT	GG	1940150746
SNP_P1_26069_19792205	NC_021161.1	Ca_kabuli_chr02	19792205	AA	TT	1940150747
SNP_P1_26070_19792206	NC_021161.1	Ca_kabuli_chr02	19792206	AA	GG	1940150748
SNP_P1_26071_19802092	NC_021161.1	Ca_kabuli_chr02	19802092	TT	AA	1940150749
SNP_P1_26072_19805801	NC_021161.1	Ca_kabuli_chr02	19805801	AA	GG	1940150750
SNP_P1_26073_19811690	NC_021161.1	Ca_kabuli_chr02	19811690	AA	TT	1940150751
SNP_P1_26074_19811706	NC_021161.1	Ca_kabuli_chr02	19811706	AA	TT	1940150752
SNP_P1_26075_19823473	NC_021161.1	Ca_kabuli_chr02	19823473	TT	CC	1940150753
SNP_P1_26076_19823692	NC_021161.1	Ca_kabuli_chr02	19823692	TT	AA	1940150754
SNP_P1_26077_19825207	NC_021161.1	Ca_kabuli_chr02	19825207	TT	GG	1940150755
SNP_P1_26078_19825971	NC_021161.1	Ca_kabuli_chr02	19825971	AA	TT	1940150756
SNP_P1_26079_19844299	NC_021161.1	Ca_kabuli_chr02	19844299	GG	TT	1940150757
SNP_P1_26080_19849727	NC_021161.1	Ca_kabuli_chr02	19849727	AA	CC	1940150758
SNP_P1_26081_19853402	NC_021161.1	Ca_kabuli_chr02	19853402	TT	CC	1940150759
SNP_P1_26083_19872860	NC_021161.1	Ca_kabuli_chr02	19872860	AA	TT	1940150760
SNP_P1_26084_19879684	NC_021161.1	Ca_kabuli_chr02	19879684	TT	CC	1940150761
SNP_P1_26085_19881320	NC_021161.1	Ca_kabuli_chr02	19881320	GG	AA	1940150762
SNP_P1_26086_19881322	NC_021161.1	Ca_kabuli_chr02	19881322	TT	AA	1940150763
SNP_P1_26087_19881323	NC_021161.1	Ca_kabuli_chr02	19881323	CC	AA	1940150764
SNP_P1_26088_19881330	NC_021161.1	Ca_kabuli_chr02	19881330	TT	GG	1940150765
SNP_P1_26090_19894224	NC_021161.1	Ca_kabuli_chr02	19894224	CC	TT	1940150766
SNP_P1_26091_19894336	NC_021161.1	Ca_kabuli_chr02	19894336	GG	CC	1940150767
SNP_P1_26092_19894346	NC_021161.1	Ca_kabuli_chr02	19894346	GG	AA	1940150768
SNP_P1_26093_19894353	NC_021161.1	Ca_kabuli_chr02	19894353	AA	GG	1940150770
SNP_P1_26094_19904010	NC_021161.1	Ca_kabuli_chr02	19904010	CC	TT	1940150771
SNP_P1_26095_19927056	NC_021161.1	Ca_kabuli_chr02	19927056	TT	CC	1940150772
SNP_P1_26096_19927064	NC_021161.1	Ca_kabuli_chr02	19927064	AA	TT	1940150773
SNP_P1_26097_19927081	NC_021161.1	Ca_kabuli_chr02	19927081	TT	CC	1940150774
SNP_P1_26098_19927263	NC_021161.1	Ca_kabuli_chr02	19927263	CC	TT	1940150775
SNP_P1_26099_19927340	NC_021161.1	Ca_kabuli_chr02	19927340	CC	GG	1940150776
SNP_P1_26100_19927533	NC_021161.1	Ca_kabuli_chr02	19927533	CC	TT	1940150777
SNP_P1_26101_19927534	NC_021161.1	Ca_kabuli_chr02	19927534	TT	CC	1940150778
SNP_P1_26102_19927547	NC_021161.1	Ca_kabuli_chr02	19927547	AA	CC	1940150779
SNP_P1_26103_19930140	NC_021161.1	Ca_kabuli_chr02	19930140	TT	CC	1940150780
SNP_P1_26104_19930143	NC_021161.1	Ca_kabuli_chr02	19930143	AA	GG	1940150781
SNP_P1_26105_19930156	NC_021161.1	Ca_kabuli_chr02	19930156	CC	TT	1940150782
SNP_P1_26106_19930167	NC_021161.1	Ca_kabuli_chr02	19930167	AA	GG	1940150783

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_26107_19931579	NC_021161.1	Ca_kabuli_chr02	19931579	AA	GG	1940150784
SNP_P1_26108_19931593	NC_021161.1	Ca_kabuli_chr02	19931593	CC	TT	1940150785
SNP_P1_26109_19931612	NC_021161.1	Ca_kabuli_chr02	19931612	GG	AA	1940150786
SNP_P1_26110_19966961	NC_021161.1	Ca_kabuli_chr02	19966961	GG	TT	1940150787
SNP_P1_26111_19971784	NC_021161.1	Ca_kabuli_chr02	19971784	CC	TT	1940150788
SNP_P1_26112_19976798	NC_021161.1	Ca_kabuli_chr02	19976798	GG	TT	1940150789
SNP_P1_26113_20017684	NC_021161.1	Ca_kabuli_chr02	20017684	TT	GG	1940150791
SNP_P1_26114_20069520	NC_021161.1	Ca_kabuli_chr02	20069520	AA	GG	1940150792
SNP_P1_26115_20069524	NC_021161.1	Ca_kabuli_chr02	20069524	AA	GG	1940150793
SNP_P1_26116_20069531	NC_021161.1	Ca_kabuli_chr02	20069531	AA	TT	1940150794
SNP_P1_26117_20069535	NC_021161.1	Ca_kabuli_chr02	20069535	AA	GG	1940150795
SNP_P1_26118_20069542	NC_021161.1	Ca_kabuli_chr02	20069542	AA	CC	1940150796
SNP_P1_26120_20069645	NC_021161.1	Ca_kabuli_chr02	20069645	GG	AA	1940150797
SNP_P1_26121_20069702	NC_021161.1	Ca_kabuli_chr02	20069702	GG	AA	1940150798
SNP_P1_26122_20070035	NC_021161.1	Ca_kabuli_chr02	20070035	AA	CC	1940150799
SNP_P1_26123_20074904	NC_021161.1	Ca_kabuli_chr02	20074904	GG	AA	1940150800
SNP_P1_26124_20074944	NC_021161.1	Ca_kabuli_chr02	20074944	CC	TT	1940150801
SNP_P1_26125_20077796	NC_021161.1	Ca_kabuli_chr02	20077796	AA	GG	1940150802
SNP_P1_26126_20077800	NC_021161.1	Ca_kabuli_chr02	20077800	CC	AA	1940150803
SNP_P1_26127_20077810	NC_021161.1	Ca_kabuli_chr02	20077810	CC	TT	1940150804
SNP_P1_26128_20077818	NC_021161.1	Ca_kabuli_chr02	20077818	CC	AA	1940150805
SNP_P1_26129_20078237	NC_021161.1	Ca_kabuli_chr02	20078237	TT	AA	1940150806
SNP_P1_26130_20078274	NC_021161.1	Ca_kabuli_chr02	20078274	GG	AA	1940150807
SNP_P1_26131_20078275	NC_021161.1	Ca_kabuli_chr02	20078275	GG	AA	1940150808
SNP_P1_26132_20079603	NC_021161.1	Ca_kabuli_chr02	20079603	AA	GG	1940150809
SNP_P1_26133_20084167	NC_021161.1	Ca_kabuli_chr02	20084167	TT	CC	1940150810
SNP_P1_26134_20084229	NC_021161.1	Ca_kabuli_chr02	20084229	TT	AA	1940150811
SNP_P1_26135_20084259	NC_021161.1	Ca_kabuli_chr02	20084259	GG	AA	1940150812
SNP_P1_26136_20085991	NC_021161.1	Ca_kabuli_chr02	20085991	AA	GG	1940150813
SNP_P1_26137_20086260	NC_021161.1	Ca_kabuli_chr02	20086260	GG	TT	1940150814
SNP_P1_26138_20087699	NC_021161.1	Ca_kabuli_chr02	20087699	AA	GG	1940150815
SNP_P1_26139_20087715	NC_021161.1	Ca_kabuli_chr02	20087715	AA	GG	1940150816
SNP_P1_26140_20087733	NC_021161.1	Ca_kabuli_chr02	20087733	TT	CC	1940150817
SNP_P1_26141_20088019	NC_021161.1	Ca_kabuli_chr02	20088019	GG	AA	1940150818
SNP_P1_26142_20088108	NC_021161.1	Ca_kabuli_chr02	20088108	AA	GG	1940150819
SNP_P1_26143_20088133	NC_021161.1	Ca_kabuli_chr02	20088133	TT	CC	1940150820
SNP_P1_26144_20088146	NC_021161.1	Ca_kabuli_chr02	20088146	TT	CC	1940150821
SNP_P1_26145_20088176	NC_021161.1	Ca_kabuli_chr02	20088176	CC	AA	1940150822
SNP_P1_26146_20088479	NC_021161.1	Ca_kabuli_chr02	20088479	AA	GG	1940150823
SNP_P1_26147_20090667	NC_021161.1	Ca_kabuli_chr02	20090667	TT	CC	1940150824
SNP_P1_26148_20144409	NC_021161.1	Ca_kabuli_chr02	20144409	CC	GG	1940150825
SNP_P1_26149_20150173	NC_021161.1	Ca_kabuli_chr02	20150173	TT	AA	1940150826

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_26150_20150178	NC_021161.1	Ca_kabuli_chr02	20150178	GG	TT	1940150827
SNP_P1_26151_20150257	NC_021161.1	Ca_kabuli_chr02	20150257	TT	CC	1940150828
SNP_P1_26152_20150952	NC_021161.1	Ca_kabuli_chr02	20150952	GG	AA	1940150829
SNP_P1_26153_20151212	NC_021161.1	Ca_kabuli_chr02	20151212	TT	AA	1940150830
SNP_P1_26154_20151773	NC_021161.1	Ca_kabuli_chr02	20151773	CC	TT	1940150831
SNP_P1_26155_20151779	NC_021161.1	Ca_kabuli_chr02	20151779	GG	AA	1940150832
SNP_P1_26156_20151791	NC_021161.1	Ca_kabuli_chr02	20151791	CC	TT	1940150833
SNP_P1_26157_20151811	NC_021161.1	Ca_kabuli_chr02	20151811	TT	AA	1940150834
SNP_P1_26158_20151849	NC_021161.1	Ca_kabuli_chr02	20151849	AA	GG	1940150835
SNP_P1_26159_20151865	NC_021161.1	Ca_kabuli_chr02	20151865	GG	AA	1940150836
SNP_P1_26160_20151878	NC_021161.1	Ca_kabuli_chr02	20151878	AA	TT	1940150837
SNP_P1_26161_20151988	NC_021161.1	Ca_kabuli_chr02	20151988	TT	CC	1940150839
SNP_P1_26162_20152532	NC_021161.1	Ca_kabuli_chr02	20152532	GG	TT	1940150840
SNP_P1_26163_20153101	NC_021161.1	Ca_kabuli_chr02	20153101	GG	AA	1940150841
SNP_P1_26164_20153487	NC_021161.1	Ca_kabuli_chr02	20153487	CC	TT	1940150842
SNP_P1_26165_20153803	NC_021161.1	Ca_kabuli_chr02	20153803	CC	TT	1940150843
SNP_P1_26166_20155363	NC_021161.1	Ca_kabuli_chr02	20155363	GG	AA	1940150844
SNP_P1_26167_20155366	NC_021161.1	Ca_kabuli_chr02	20155366	AA	TT	1940150845
SNP_P1_26168_20166203	NC_021161.1	Ca_kabuli_chr02	20166203	AA	GG	1940150846
SNP_P1_26169_20169974	NC_021161.1	Ca_kabuli_chr02	20169974	TT	AA	1940150847
SNP_P1_26170_20169980	NC_021161.1	Ca_kabuli_chr02	20169980	AA	GG	1940150848
SNP_P1_26171_20170954	NC_021161.1	Ca_kabuli_chr02	20170954	AA	CC	1940150849
SNP_P1_26172_20171788	NC_021161.1	Ca_kabuli_chr02	20171788	AA	TT	1940150850
SNP_P1_26173_20171798	NC_021161.1	Ca_kabuli_chr02	20171798	TT	AA	1940150851
SNP_P1_26174_20171807	NC_021161.1	Ca_kabuli_chr02	20171807	CC	TT	1940150852
SNP_P1_26176_20176382	NC_021161.1	Ca_kabuli_chr02	20176382	GG	AA	1940150853
SNP_P1_26177_20177692	NC_021161.1	Ca_kabuli_chr02	20177692	TT	CC	1940150854
SNP_P1_26178_20177903	NC_021161.1	Ca_kabuli_chr02	20177903	CC	TT	1940150855
SNP_P1_26179_20178169	NC_021161.1	Ca_kabuli_chr02	20178169	GG	CC	1940150856
SNP_P1_26180_20191447	NC_021161.1	Ca_kabuli_chr02	20191447	AA	TT	1940150857
SNP_P1_26181_20191468	NC_021161.1	Ca_kabuli_chr02	20191468	TT	CC	1940150858
SNP_P1_26182_20191667	NC_021161.1	Ca_kabuli_chr02	20191667	AA	CC	1940150859
SNP_P1_26183_20191716	NC_021161.1	Ca_kabuli_chr02	20191716	AA	GG	1940150860
SNP_P1_26184_20191809	NC_021161.1	Ca_kabuli_chr02	20191809	TT	CC	1940150861
SNP_P1_26185_20191906	NC_021161.1	Ca_kabuli_chr02	20191906	TT	CC	1940150862
SNP_P1_26186_20191911	NC_021161.1	Ca_kabuli_chr02	20191911	GG	AA	1940150863
SNP_P1_26187_20192073	NC_021161.1	Ca_kabuli_chr02	20192073	GG	AA	1940150864
SNP_P1_26188_20192087	NC_021161.1	Ca_kabuli_chr02	20192087	CC	TT	1940150865
SNP_P1_26189_20192088	NC_021161.1	Ca_kabuli_chr02	20192088	GG	TT	1940150866
SNP_P1_26190_20192175	NC_021161.1	Ca_kabuli_chr02	20192175	TT	CC	1940150867
SNP_P1_26191_20192176	NC_021161.1	Ca_kabuli_chr02	20192176	TT	CC	1940150868
SNP_P1_26192_20192196	NC_021161.1	Ca_kabuli_chr02	20192196	GG	TT	1940150869

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_26193_20196947	NC_021161.1	Ca_kabuli_chr02	20196947	CC	TT	1940150870
SNP_P1_26195_20197084	NC_021161.1	Ca_kabuli_chr02	20197084	CC	AA	1940150871
SNP_P1_26196_20208379	NC_021161.1	Ca_kabuli_chr02	20208379	TT	CC	1940150872
SNP_P1_26197_20208394	NC_021161.1	Ca_kabuli_chr02	20208394	CC	TT	1940150874
SNP_P1_26198_20208397	NC_021161.1	Ca_kabuli_chr02	20208397	TT	AA	1940150875
SNP_P1_26199_20208404	NC_021161.1	Ca_kabuli_chr02	20208404	AA	CC	1940150876
SNP_P1_26200_20210466	NC_021161.1	Ca_kabuli_chr02	20210466	CC	TT	1940150877
SNP_P1_26201_20210728	NC_021161.1	Ca_kabuli_chr02	20210728	TT	AA	1940150878
SNP_P1_26202_20235128	NC_021161.1	Ca_kabuli_chr02	20235128	AA	TT	1940150879
SNP_P1_26204_20267904	NC_021161.1	Ca_kabuli_chr02	20267904	AA	GG	1940150880
SNP_P1_26206_20296194	NC_021161.1	Ca_kabuli_chr02	20296194	AA	GG	1940150881
SNP_P1_26207_20321668	NC_021161.1	Ca_kabuli_chr02	20321668	AA	TT	1940150882
SNP_P1_26208_20322538	NC_021161.1	Ca_kabuli_chr02	20322538	TT	CC	1940150883
SNP_P1_26209_20346298	NC_021161.1	Ca_kabuli_chr02	20346298	TT	CC	1940150884
SNP_P1_26210_20346307	NC_021161.1	Ca_kabuli_chr02	20346307	CC	AA	1940150885
SNP_P1_26211_20346320	NC_021161.1	Ca_kabuli_chr02	20346320	GG	AA	1940150886
SNP_P1_26212_20346322	NC_021161.1	Ca_kabuli_chr02	20346322	GG	AA	1940150887
SNP_P1_26213_20353044	NC_021161.1	Ca_kabuli_chr02	20353044	TT	AA	1940150888
SNP_P1_26214_20353213	NC_021161.1	Ca_kabuli_chr02	20353213	CC	TT	1940150889
SNP_P1_26215_20353217	NC_021161.1	Ca_kabuli_chr02	20353217	TT	AA	1940150890
SNP_P1_26216_20353233	NC_021161.1	Ca_kabuli_chr02	20353233	AA	GG	1940150891
SNP_P1_26217_20353286	NC_021161.1	Ca_kabuli_chr02	20353286	AA	GG	1940150892
SNP_P1_26218_20353565	NC_021161.1	Ca_kabuli_chr02	20353565	CC	GG	1940150893
SNP_P1_26220_20355723	NC_021161.1	Ca_kabuli_chr02	20355723	AA	GG	1940150894
SNP_P1_26221_20379152	NC_021161.1	Ca_kabuli_chr02	20379152	AA	TT	1940150895
SNP_P1_26222_20399628	NC_021161.1	Ca_kabuli_chr02	20399628	TT	AA	1940150896
SNP_P1_26224_20423121	NC_021161.1	Ca_kabuli_chr02	20423121	AA	GG	1940150897
SNP_P1_26225_20423132	NC_021161.1	Ca_kabuli_chr02	20423132	GG	AA	1940150898
SNP_P1_26227_20424387	NC_021161.1	Ca_kabuli_chr02	20424387	TT	AA	1940150899
SNP_P1_26228_20424450	NC_021161.1	Ca_kabuli_chr02	20424450	CC	TT	1940150900
SNP_P1_26229_20424875	NC_021161.1	Ca_kabuli_chr02	20424875	AA	GG	1940150901
SNP_P1_26230_20425367	NC_021161.1	Ca_kabuli_chr02	20425367	TT	CC	1940150902
SNP_P1_26233_20453590	NC_021161.1	Ca_kabuli_chr02	20453590	CC	TT	1940150903
SNP_P1_26234_20453797	NC_021161.1	Ca_kabuli_chr02	20453797	GG	AA	1940150904
SNP_P1_26235_20453798	NC_021161.1	Ca_kabuli_chr02	20453798	TT	CC	1940150905
SNP_P1_26236_20453806	NC_021161.1	Ca_kabuli_chr02	20453806	GG	AA	1940150906
SNP_P1_26237_20471495	NC_021161.1	Ca_kabuli_chr02	20471495	CC	GG	1940150907
SNP_P1_26238_20474475	NC_021161.1	Ca_kabuli_chr02	20474475	GG	AA	1940150909
SNP_P1_26239_20474582	NC_021161.1	Ca_kabuli_chr02	20474582	AA	CC	1940150910
SNP_P1_26240_20474832	NC_021161.1	Ca_kabuli_chr02	20474832	CC	TT	1940150911
SNP_P1_26241_20474887	NC_021161.1	Ca_kabuli_chr02	20474887	CC	GG	1940150912
SNP_P1_26242_20475046	NC_021161.1	Ca_kabuli_chr02	20475046	TT	GG	1940150913

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_26243_20475067	NC_021161.1	Ca_kabuli_chr02	20475067	AA	GG	1940150914
SNP_P1_26244_20478235	NC_021161.1	Ca_kabuli_chr02	20478235	AA	GG	1940150915
SNP_P1_26245_20479684	NC_021161.1	Ca_kabuli_chr02	20479684	AA	GG	1940150916
SNP_P1_26246_20479695	NC_021161.1	Ca_kabuli_chr02	20479695	AA	CC	1940150917
SNP_P1_26247_20479799	NC_021161.1	Ca_kabuli_chr02	20479799	TT	CC	1940150918
SNP_P1_26248_20490380	NC_021161.1	Ca_kabuli_chr02	20490380	GG	AA	1940150919
SNP_P1_26249_20490402	NC_021161.1	Ca_kabuli_chr02	20490402	AA	GG	1940150920
SNP_P1_26250_20490410	NC_021161.1	Ca_kabuli_chr02	20490410	TT	CC	1940150921
SNP_P1_26251_20490458	NC_021161.1	Ca_kabuli_chr02	20490458	AA	GG	1940150922
SNP_P1_26252_20490474	NC_021161.1	Ca_kabuli_chr02	20490474	TT	CC	1940150923
SNP_P1_26253_20490476	NC_021161.1	Ca_kabuli_chr02	20490476	AA	GG	1940150924
SNP_P1_26254_20490485	NC_021161.1	Ca_kabuli_chr02	20490485	TT	CC	1940150925
SNP_P1_26255_20490509	NC_021161.1	Ca_kabuli_chr02	20490509	AA	TT	1940150926
SNP_P1_26256_20490515	NC_021161.1	Ca_kabuli_chr02	20490515	GG	AA	1940150927
SNP_P1_26257_20490587	NC_021161.1	Ca_kabuli_chr02	20490587	AA	GG	1940150928
SNP_P1_26258_20490601	NC_021161.1	Ca_kabuli_chr02	20490601	AA	GG	1940150929
SNP_P1_26259_20490794	NC_021161.1	Ca_kabuli_chr02	20490794	CC	TT	1940150930
SNP_P1_26260_20490840	NC_021161.1	Ca_kabuli_chr02	20490840	GG	AA	1940150931
SNP_P1_26261_20490963	NC_021161.1	Ca_kabuli_chr02	20490963	AA	TT	1940150932
SNP_P1_26262_20490971	NC_021161.1	Ca_kabuli_chr02	20490971	CC	AA	1940150933
SNP_P1_26263_20493637	NC_021161.1	Ca_kabuli_chr02	20493637	CC	TT	1940150934
SNP_P1_26264_20493772	NC_021161.1	Ca_kabuli_chr02	20493772	CC	TT	1940150935
SNP_P1_26265_20493778	NC_021161.1	Ca_kabuli_chr02	20493778	TT	CC	1940150936
SNP_P1_26266_20493782	NC_021161.1	Ca_kabuli_chr02	20493782	AA	GG	1940150937
SNP_P1_26267_20493784	NC_021161.1	Ca_kabuli_chr02	20493784	AA	GG	1940150938
SNP_P1_26268_20494250	NC_021161.1	Ca_kabuli_chr02	20494250	CC	TT	1940150939
SNP_P1_26269_20518271	NC_021161.1	Ca_kabuli_chr02	20518271	CC	TT	1940150941
SNP_P1_26270_20544421	NC_021161.1	Ca_kabuli_chr02	20544421	TT	AA	1940150942
SNP_P1_26272_20561250	NC_021161.1	Ca_kabuli_chr02	20561250	TT	AA	1940150943
SNP_P1_26273_20563210	NC_021161.1	Ca_kabuli_chr02	20563210	TT	AA	1940150944
SNP_P1_26274_20573606	NC_021161.1	Ca_kabuli_chr02	20573606	TT	CC	1940150945
SNP_P1_26275_20579482	NC_021161.1	Ca_kabuli_chr02	20579482	AA	TT	1940150946
SNP_P1_26276_20579513	NC_021161.1	Ca_kabuli_chr02	20579513	TT	GG	1940150947
SNP_P1_26277_20579556	NC_021161.1	Ca_kabuli_chr02	20579556	CC	AA	1940150948
SNP_P1_26278_20587506	NC_021161.1	Ca_kabuli_chr02	20587506	CC	TT	1940150949
SNP_P1_26279_20587737	NC_021161.1	Ca_kabuli_chr02	20587737	TT	AA	1940150950
SNP_P1_26280_20587744	NC_021161.1	Ca_kabuli_chr02	20587744	TT	CC	1940150951
SNP_P1_26281_20587746	NC_021161.1	Ca_kabuli_chr02	20587746	AA	TT	1940150952
SNP_P1_26282_20617151	NC_021161.1	Ca_kabuli_chr02	20617151	TT	AA	1940150953
SNP_P1_26283_20617156	NC_021161.1	Ca_kabuli_chr02	20617156	CC	AA	1940150954
SNP_P1_26284_20617171	NC_021161.1	Ca_kabuli_chr02	20617171	TT	CC	1940150955
SNP_P1_26285_20620394	NC_021161.1	Ca_kabuli_chr02	20620394	TT	CC	1940150956

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_26286_20620684	NC_021161.1	Ca_kabuli_chr02	20620684	GG	AA	1940150957
SNP_P1_26287_20620733	NC_021161.1	Ca_kabuli_chr02	20620733	CC	GG	1940150958
SNP_P1_26288_20620745	NC_021161.1	Ca_kabuli_chr02	20620745	GG	CC	1940150959
SNP_P1_26289_20620782	NC_021161.1	Ca_kabuli_chr02	20620782	TT	GG	1940150960
SNP_P1_26290_20621015	NC_021161.1	Ca_kabuli_chr02	20621015	GG	TT	1940150961
SNP_P1_26291_20621016	NC_021161.1	Ca_kabuli_chr02	20621016	TT	CC	1940150962
SNP_P1_26292_20621046	NC_021161.1	Ca_kabuli_chr02	20621046	CC	TT	1940150963
SNP_P1_26293_20621082	NC_021161.1	Ca_kabuli_chr02	20621082	GG	AA	1940150964
SNP_P1_26294_20621820	NC_021161.1	Ca_kabuli_chr02	20621820	GG	AA	1940150965
SNP_P1_26295_20621852	NC_021161.1	Ca_kabuli_chr02	20621852	AA	GG	1940150966
SNP_P1_26296_20621856	NC_021161.1	Ca_kabuli_chr02	20621856	GG	AA	1940150967
SNP_P1_26297_20622226	NC_021161.1	Ca_kabuli_chr02	20622226	GG	AA	1940150968
SNP_P1_26298_20622755	NC_021161.1	Ca_kabuli_chr02	20622755	CC	TT	1940150969
SNP_P1_26299_20622774	NC_021161.1	Ca_kabuli_chr02	20622774	GG	TT	1940150970
SNP_P1_26300_20622781	NC_021161.1	Ca_kabuli_chr02	20622781	AA	CC	1940150971
SNP_P1_26301_20622995	NC_021161.1	Ca_kabuli_chr02	20622995	AA	GG	1940150972
SNP_P1_26302_20623125	NC_021161.1	Ca_kabuli_chr02	20623125	CC	TT	1940150973
SNP_P1_26303_20623137	NC_021161.1	Ca_kabuli_chr02	20623137	TT	GG	1940150974
SNP_P1_26304_20628581	NC_021161.1	Ca_kabuli_chr02	20628581	TT	CC	1940150975
SNP_P1_26305_20628594	NC_021161.1	Ca_kabuli_chr02	20628594	GG	AA	1940150976
SNP_P1_26306_20645086	NC_021161.1	Ca_kabuli_chr02	20645086	GG	TT	1940150977
SNP_P1_26307_20645088	NC_021161.1	Ca_kabuli_chr02	20645088	CC	TT	1940150978
SNP_P1_26309_20648077	NC_021161.1	Ca_kabuli_chr02	20648077	AA	GG	1940150979
SNP_P1_26310_20649365	NC_021161.1	Ca_kabuli_chr02	20649365	GG	TT	1940150980
SNP_P1_26311_20650162	NC_021161.1	Ca_kabuli_chr02	20650162	TT	GG	1940150981
SNP_P1_26312_20650197	NC_021161.1	Ca_kabuli_chr02	20650197	CC	TT	1940150982
SNP_P1_26313_20650234	NC_021161.1	Ca_kabuli_chr02	20650234	TT	CC	1940150983
SNP_P1_26314_20650240	NC_021161.1	Ca_kabuli_chr02	20650240	GG	AA	1940150984
SNP_P1_26315_20650254	NC_021161.1	Ca_kabuli_chr02	20650254	GG	TT	1940150985
SNP_P1_26316_20650887	NC_021161.1	Ca_kabuli_chr02	20650887	GG	AA	1940150986
SNP_P1_26317_20651446	NC_021161.1	Ca_kabuli_chr02	20651446	GG	CC	1940150987
SNP_P1_26318_20658108	NC_021161.1	Ca_kabuli_chr02	20658108	AA	CC	1940150988
SNP_P1_26319_20658258	NC_021161.1	Ca_kabuli_chr02	20658258	AA	CC	1940150989
SNP_P1_26320_20658668	NC_021161.1	Ca_kabuli_chr02	20658668	AA	GG	1940150991
SNP_P1_26321_20669243	NC_021161.1	Ca_kabuli_chr02	20669243	TT	AA	1940150992
SNP_P1_26323_20680377	NC_021161.1	Ca_kabuli_chr02	20680377	TT	CC	1940150993
SNP_P1_26324_20680434	NC_021161.1	Ca_kabuli_chr02	20680434	GG	AA	1940150994
SNP_P1_26325_20680909	NC_021161.1	Ca_kabuli_chr02	20680909	TT	CC	1940150995
SNP_P1_26326_20681131	NC_021161.1	Ca_kabuli_chr02	20681131	CC	TT	1940150996
SNP_P1_26327_20683403	NC_021161.1	Ca_kabuli_chr02	20683403	TT	AA	1940150997
SNP_P1_26328_20689345	NC_021161.1	Ca_kabuli_chr02	20689345	TT	AA	1940150998
SNP_P1_26329_20696298	NC_021161.1	Ca_kabuli_chr02	20696298	CC	TT	1940150999

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26331_20696670	NC_021161.1	Ca_kabuli_chr02	20696670	AA	GG	1940151001
SNP_P1_26332_20696672	NC_021161.1	Ca_kabuli_chr02	20696672	GG	AA	1940151002
SNP_P1_26333_20715446	NC_021161.1	Ca_kabuli_chr02	20715446	TT	CC	1940151003
SNP_P1_26334_20715726	NC_021161.1	Ca_kabuli_chr02	20715726	AA	GG	1940151004
SNP_P1_26335_20715741	NC_021161.1	Ca_kabuli_chr02	20715741	AA	CC	1940151005
SNP_P1_26336_20715765	NC_021161.1	Ca_kabuli_chr02	20715765	TT	CC	1940151006
SNP_P1_26338_20716088	NC_021161.1	Ca_kabuli_chr02	20716088	TT	GG	1940151007
SNP_P1_26339_20716111	NC_021161.1	Ca_kabuli_chr02	20716111	AA	CC	1940151008
SNP_P1_26340_20716113	NC_021161.1	Ca_kabuli_chr02	20716113	TT	AA	1940151009
SNP_P1_26341_20716119	NC_021161.1	Ca_kabuli_chr02	20716119	AA	GG	1940151010
SNP_P1_26342_20731139	NC_021161.1	Ca_kabuli_chr02	20731139	AA	GG	1940151011
SNP_P1_26343_20733215	NC_021161.1	Ca_kabuli_chr02	20733215	TT	AA	1940151012
SNP_P1_26344_20733218	NC_021161.1	Ca_kabuli_chr02	20733218	TT	CC	1940151013
SNP_P1_26345_20738935	NC_021161.1	Ca_kabuli_chr02	20738935	GG	TT	1940151014
SNP_P1_26346_20779805	NC_021161.1	Ca_kabuli_chr02	20779805	AA	TT	1940151015
SNP_P1_26347_20783828	NC_021161.1	Ca_kabuli_chr02	20783828	AA	GG	1940151016
SNP_P1_26348_20795048	NC_021161.1	Ca_kabuli_chr02	20795048	CC	TT	1940151017
SNP_P1_26349_20799481	NC_021161.1	Ca_kabuli_chr02	20799481	TT	CC	1940151018
SNP_P1_26350_20799556	NC_021161.1	Ca_kabuli_chr02	20799556	GG	AA	1940151019
SNP_P1_26351_20799577	NC_021161.1	Ca_kabuli_chr02	20799577	AA	TT	1940151020
SNP_P1_26352_20814354	NC_021161.1	Ca_kabuli_chr02	20814354	AA	GG	1940151021
SNP_P1_26353_20816778	NC_021161.1	Ca_kabuli_chr02	20816778	CC	TT	1940151022
SNP_P1_26354_20816836	NC_021161.1	Ca_kabuli_chr02	20816836	AA	CC	1940151023
SNP_P1_26355_20817748	NC_021161.1	Ca_kabuli_chr02	20817748	AA	GG	1940151024
SNP_P1_26356_20817769	NC_021161.1	Ca_kabuli_chr02	20817769	AA	GG	1940151025
SNP_P1_26357_20824362	NC_021161.1	Ca_kabuli_chr02	20824362	TT	CC	1940151026
SNP_P1_26358_20842948	NC_021161.1	Ca_kabuli_chr02	20842948	CC	TT	1940151027
SNP_P1_26359_20864528	NC_021161.1	Ca_kabuli_chr02	20864528	TT	AA	1940151028
SNP_P1_26360_20864534	NC_021161.1	Ca_kabuli_chr02	20864534	TT	AA	1940151029
SNP_P1_26361_20872152	NC_021161.1	Ca_kabuli_chr02	20872152	GG	AA	1940151030
SNP_P1_26362_20876878	NC_021161.1	Ca_kabuli_chr02	20876878	AA	CC	1940151032
SNP_P1_26363_20907724	NC_021161.1	Ca_kabuli_chr02	20907724	GG	TT	1940151033
SNP_P1_26365_20911258	NC_021161.1	Ca_kabuli_chr02	20911258	AA	GG	1940151034
SNP_P1_26367_20931075	NC_021161.1	Ca_kabuli_chr02	20931075	GG	AA	1940151035
SNP_P1_26368_20933219	NC_021161.1	Ca_kabuli_chr02	20933219	CC	AA	1940151036
SNP_P1_26369_20933569	NC_021161.1	Ca_kabuli_chr02	20933569	CC	TT	1940151037
SNP_P1_26370_20937863	NC_021161.1	Ca_kabuli_chr02	20937863	GG	AA	1940151038
SNP_P1_26371_20937875	NC_021161.1	Ca_kabuli_chr02	20937875	TT	GG	1940151039
SNP_P1_26372_20938038	NC_021161.1	Ca_kabuli_chr02	20938038	TT	AA	1940151040
SNP_P1_26373_20955314	NC_021161.1	Ca_kabuli_chr02	20955314	CC	TT	1940151041
SNP_P1_26374_20970084	NC_021161.1	Ca_kabuli_chr02	20970084	GG	CC	1940151042

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26376_20970848	NC_021161.1	Ca_kabuli_chr02	20970848	TT	AA	1940151044
SNP_P1_26378_20971203	NC_021161.1	Ca_kabuli_chr02	20971203	CC	AA	1940151045
SNP_P1_26379_20971702	NC_021161.1	Ca_kabuli_chr02	20971702	GG	AA	1940151046
SNP_P1_26380_20971706	NC_021161.1	Ca_kabuli_chr02	20971706	TT	CC	1940151047
SNP_P1_26381_21000149	NC_021161.1	Ca_kabuli_chr02	21000149	AA	GG	1940151048
SNP_P1_26382_21000163	NC_021161.1	Ca_kabuli_chr02	21000163	AA	GG	1940151049
SNP_P1_26384_21000336	NC_021161.1	Ca_kabuli_chr02	21000336	CC	TT	1940151050
SNP_P1_26385_21000385	NC_021161.1	Ca_kabuli_chr02	21000385	AA	GG	1940151051
SNP_P1_26386_21000433	NC_021161.1	Ca_kabuli_chr02	21000433	TT	CC	1940151052
SNP_P1_26387_21000554	NC_021161.1	Ca_kabuli_chr02	21000554	TT	CC	1940151053
SNP_P1_26388_21000680	NC_021161.1	Ca_kabuli_chr02	21000680	CC	GG	1940151054
SNP_P1_26389_21000717	NC_021161.1	Ca_kabuli_chr02	21000717	TT	GG	1940151055
SNP_P1_26391_21038206	NC_021161.1	Ca_kabuli_chr02	21038206	TT	AA	1940151056
SNP_P1_26392_21038207	NC_021161.1	Ca_kabuli_chr02	21038207	GG	AA	1940151057
SNP_P1_26393_21044845	NC_021161.1	Ca_kabuli_chr02	21044845	CC	TT	1940151058
SNP_P1_26394_21044895	NC_021161.1	Ca_kabuli_chr02	21044895	AA	TT	1940151059
SNP_P1_26395_21084012	NC_021161.1	Ca_kabuli_chr02	21084012	AA	GG	1940151060
SNP_P1_26397_21084394	NC_021161.1	Ca_kabuli_chr02	21084394	TT	CC	1940151061
SNP_P1_26398_21084405	NC_021161.1	Ca_kabuli_chr02	21084405	TT	CC	1940151062
SNP_P1_26399_21084433	NC_021161.1	Ca_kabuli_chr02	21084433	TT	CC	1940151064
SNP_P1_26400_21084447	NC_021161.1	Ca_kabuli_chr02	21084447	AA	TT	1940151065
SNP_P1_26401_21084485	NC_021161.1	Ca_kabuli_chr02	21084485	AA	CC	1940151066
SNP_P1_26402_21084497	NC_021161.1	Ca_kabuli_chr02	21084497	AA	TT	1940151067
SNP_P1_26403_21085708	NC_021161.1	Ca_kabuli_chr02	21085708	GG	TT	1940151068
SNP_P1_26405_21088327	NC_021161.1	Ca_kabuli_chr02	21088327	CC	AA	1940151069
SNP_P1_26406_21088334	NC_021161.1	Ca_kabuli_chr02	21088334	GG	AA	1940151070
SNP_P1_26407_21088346	NC_021161.1	Ca_kabuli_chr02	21088346	AA	GG	1940151071
SNP_P1_26408_21092347	NC_021161.1	Ca_kabuli_chr02	21092347	TT	CC	1940151072
SNP_P1_26409_21140208	NC_021161.1	Ca_kabuli_chr02	21140208	AA	GG	1940151073
SNP_P1_26410_21140210	NC_021161.1	Ca_kabuli_chr02	21140210	AA	GG	1940151074
SNP_P1_26411_21140224	NC_021161.1	Ca_kabuli_chr02	21140224	GG	AA	1940151075
SNP_P1_26412_21140225	NC_021161.1	Ca_kabuli_chr02	21140225	AA	GG	1940151076
SNP_P1_26413_21140337	NC_021161.1	Ca_kabuli_chr02	21140337	GG	AA	1940151077
SNP_P1_26414_21140550	NC_021161.1	Ca_kabuli_chr02	21140550	CC	AA	1940151078
SNP_P1_26415_21140699	NC_021161.1	Ca_kabuli_chr02	21140699	TT	AA	1940151079
SNP_P1_26416_21161092	NC_021161.1	Ca_kabuli_chr02	21161092	CC	TT	1940151080
SNP_P1_26417_21161107	NC_021161.1	Ca_kabuli_chr02	21161107	TT	CC	1940151081
SNP_P1_26418_21161108	NC_021161.1	Ca_kabuli_chr02	21161108	CC	TT	1940151082
SNP_P1_26419_21161113	NC_021161.1	Ca_kabuli_chr02	21161113	GG	AA	1940151083
SNP_P1_26420_21161286	NC_021161.1	Ca_kabuli_chr02	21161286	AA	CC	1940151084
SNP_P1_26423_21161297	NC_021161.1	Ca_kabuli_chr02	21161297	AA	CC	1940151085

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_26424_21161310	NC_021161.1	Ca_kabuli_chr02	21161310	TT	GG	1940151086
SNP_P1_26425_21163475	NC_021161.1	Ca_kabuli_chr02	21163475	TT	CC	1940151087
SNP_P1_26426_21203998	NC_021161.1	Ca_kabuli_chr02	21203998	AA	GG	1940151088
SNP_P1_26427_21204006	NC_021161.1	Ca_kabuli_chr02	21204006	CC	TT	1940151089
SNP_P1_26428_21204707	NC_021161.1	Ca_kabuli_chr02	21204707	TT	CC	1940151090
SNP_P1_26429_21204735	NC_021161.1	Ca_kabuli_chr02	21204735	AA	GG	1940151091
SNP_P1_26430_21204766	NC_021161.1	Ca_kabuli_chr02	21204766	CC	TT	1940151092
SNP_P1_26431_21204788	NC_021161.1	Ca_kabuli_chr02	21204788	TT	CC	1940151093
SNP_P1_26432_21204817	NC_021161.1	Ca_kabuli_chr02	21204817	TT	CC	1940151094
SNP_P1_26433_21204908	NC_021161.1	Ca_kabuli_chr02	21204908	GG	AA	1940151095
SNP_P1_26434_21205073	NC_021161.1	Ca_kabuli_chr02	21205073	CC	TT	1940151096
SNP_P1_26435_21205076	NC_021161.1	Ca_kabuli_chr02	21205076	TT	AA	1940151098
SNP_P1_26436_21205272	NC_021161.1	Ca_kabuli_chr02	21205272	TT	GG	1940151099
SNP_P1_26437_21205324	NC_021161.1	Ca_kabuli_chr02	21205324	AA	GG	1940151100
SNP_P1_26438_21208370	NC_021161.1	Ca_kabuli_chr02	21208370	TT	CC	1940151101
SNP_P1_26439_21208376	NC_021161.1	Ca_kabuli_chr02	21208376	CC	TT	1940151102
SNP_P1_26440_21208380	NC_021161.1	Ca_kabuli_chr02	21208380	TT	CC	1940151103
SNP_P1_26441_21208385	NC_021161.1	Ca_kabuli_chr02	21208385	TT	AA	1940151104
SNP_P1_26442_21208418	NC_021161.1	Ca_kabuli_chr02	21208418	CC	TT	1940151105
SNP_P1_26443_21208427	NC_021161.1	Ca_kabuli_chr02	21208427	GG	AA	1940151106
SNP_P1_26444_21208463	NC_021161.1	Ca_kabuli_chr02	21208463	GG	AA	1940151107
SNP_P1_26445_21208469	NC_021161.1	Ca_kabuli_chr02	21208469	GG	AA	1940151108
SNP_P1_26446_21208475	NC_021161.1	Ca_kabuli_chr02	21208475	CC	TT	1940151109
SNP_P1_26448_21208629	NC_021161.1	Ca_kabuli_chr02	21208629	AA	GG	1940151110
SNP_P1_26449_21208635	NC_021161.1	Ca_kabuli_chr02	21208635	TT	CC	1940151111
SNP_P1_26450_21208655	NC_021161.1	Ca_kabuli_chr02	21208655	TT	CC	1940151112
SNP_P1_26451_21208656	NC_021161.1	Ca_kabuli_chr02	21208656	CC	TT	1940151113
SNP_P1_26452_21208658	NC_021161.1	Ca_kabuli_chr02	21208658	GG	AA	1940151114
SNP_P1_26453_21208665	NC_021161.1	Ca_kabuli_chr02	21208665	AA	GG	1940151115
SNP_P1_26454_21208697	NC_021161.1	Ca_kabuli_chr02	21208697	GG	AA	1940151116
SNP_P1_26455_21208729	NC_021161.1	Ca_kabuli_chr02	21208729	GG	CC	1940151117
SNP_P1_26456_21208757	NC_021161.1	Ca_kabuli_chr02	21208757	TT	CC	1940151118
SNP_P1_26457_21208776	NC_021161.1	Ca_kabuli_chr02	21208776	AA	TT	1940151119
SNP_P1_26458_21208799	NC_021161.1	Ca_kabuli_chr02	21208799	TT	GG	1940151120
SNP_P1_26460_21208805	NC_021161.1	Ca_kabuli_chr02	21208805	AA	GG	1940151121
SNP_P1_26461_21208862	NC_021161.1	Ca_kabuli_chr02	21208862	AA	GG	1940151122
SNP_P1_26462_21208895	NC_021161.1	Ca_kabuli_chr02	21208895	AA	TT	1940151123
SNP_P1_26463_21209161	NC_021161.1	Ca_kabuli_chr02	21209161	TT	CC	1940151124
SNP_P1_26464_21223067	NC_021161.1	Ca_kabuli_chr02	21223067	TT	CC	1940151125
SNP_P1_26465_21233938	NC_021161.1	Ca_kabuli_chr02	21233938	TT	CC	1940151126
SNP_P1_26466_21247209	NC_021161.1	Ca_kabuli_chr02	21247209	AA	CC	1940151127
SNP_P1_26467_21252653	NC_021161.1	Ca_kabuli_chr02	21252653	TT	AA	1940151128

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26469_21264131	NC_021161.1	Ca_kabuli_chr02	21264131	CC	TT	1940151130
SNP_P1_26470_21271696	NC_021161.1	Ca_kabuli_chr02	21271696	TT	AA	1940151131
SNP_P1_26471_21271718	NC_021161.1	Ca_kabuli_chr02	21271718	TT	CC	1940151133
SNP_P1_26472_21271920	NC_021161.1	Ca_kabuli_chr02	21271920	AA	GG	1940151134
SNP_P1_26473_21271976	NC_021161.1	Ca_kabuli_chr02	21271976	CC	TT	1940151135
SNP_P1_26474_21272137	NC_021161.1	Ca_kabuli_chr02	21272137	AA	TT	1940151136
SNP_P1_26475_21272140	NC_021161.1	Ca_kabuli_chr02	21272140	TT	AA	1940151137
SNP_P1_26476_21272168	NC_021161.1	Ca_kabuli_chr02	21272168	TT	CC	1940151138
SNP_P1_26477_21272263	NC_021161.1	Ca_kabuli_chr02	21272263	AA	GG	1940151139
SNP_P1_26478_21272284	NC_021161.1	Ca_kabuli_chr02	21272284	AA	GG	1940151140
SNP_P1_26479_21272285	NC_021161.1	Ca_kabuli_chr02	21272285	TT	CC	1940151141
SNP_P1_26480_21272294	NC_021161.1	Ca_kabuli_chr02	21272294	TT	GG	1940151142
SNP_P1_26481_21272296	NC_021161.1	Ca_kabuli_chr02	21272296	AA	GG	1940151143
SNP_P1_26482_21283406	NC_021161.1	Ca_kabuli_chr02	21283406	TT	AA	1940151144
SNP_P1_26483_21303216	NC_021161.1	Ca_kabuli_chr02	21303216	TT	AA	1940151145
SNP_P1_26484_21303226	NC_021161.1	Ca_kabuli_chr02	21303226	AA	GG	1940151146
SNP_P1_26485_21303232	NC_021161.1	Ca_kabuli_chr02	21303232	TT	CC	1940151147
SNP_P1_26486_21303280	NC_021161.1	Ca_kabuli_chr02	21303280	AA	GG	1940151148
SNP_P1_26487_21303281	NC_021161.1	Ca_kabuli_chr02	21303281	AA	TT	1940151149
SNP_P1_26488_21303287	NC_021161.1	Ca_kabuli_chr02	21303287	GG	AA	1940151150
SNP_P1_26489_21303308	NC_021161.1	Ca_kabuli_chr02	21303308	AA	GG	1940151151
SNP_P1_26490_21303360	NC_021161.1	Ca_kabuli_chr02	21303360	AA	GG	1940151152
SNP_P1_26491_21303406	NC_021161.1	Ca_kabuli_chr02	21303406	TT	CC	1940151153
SNP_P1_26492_21303416	NC_021161.1	Ca_kabuli_chr02	21303416	TT	GG	1940151154
SNP_P1_26493_21303447	NC_021161.1	Ca_kabuli_chr02	21303447	CC	TT	1940151155
SNP_P1_26494_21303468	NC_021161.1	Ca_kabuli_chr02	21303468	CC	TT	1940151156
SNP_P1_26495_21303477	NC_021161.1	Ca_kabuli_chr02	21303477	TT	CC	1940151157
SNP_P1_26496_21303507	NC_021161.1	Ca_kabuli_chr02	21303507	CC	TT	1940151158
SNP_P1_26497_21303510	NC_021161.1	Ca_kabuli_chr02	21303510	GG	AA	1940151159
SNP_P1_26498_21303521	NC_021161.1	Ca_kabuli_chr02	21303521	GG	AA	1940151160
SNP_P1_26499_21303602	NC_021161.1	Ca_kabuli_chr02	21303602	CC	TT	1940151161
SNP_P1_26500_21303611	NC_021161.1	Ca_kabuli_chr02	21303611	TT	CC	1940151162
SNP_P1_26501_21303725	NC_021161.1	Ca_kabuli_chr02	21303725	GG	AA	1940151163
SNP_P1_26502_21303865	NC_021161.1	Ca_kabuli_chr02	21303865	GG	AA	1940151165
SNP_P1_26503_21303902	NC_021161.1	Ca_kabuli_chr02	21303902	GG	AA	1940151166
SNP_P1_26504_21304794	NC_021161.1	Ca_kabuli_chr02	21304794	CC	TT	1940151167
SNP_P1_26505_21305085	NC_021161.1	Ca_kabuli_chr02	21305085	GG	AA	1940151168
SNP_P1_26506_21305115	NC_021161.1	Ca_kabuli_chr02	21305115	TT	AA	1940151169
SNP_P1_26507_21305146	NC_021161.1	Ca_kabuli_chr02	21305146	GG	AA	1940151170
SNP_P1_26508_21305156	NC_021161.1	Ca_kabuli_chr02	21305156	GG	AA	1940151171
SNP_P1_26509_21305159	NC_021161.1	Ca_kabuli_chr02	21305159	CC	TT	1940151172

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26511_21305174	NC_021161.1	Ca_kabuli_chr02	21305174	AA	GG	1940151174
SNP_P1_26512_21305212	NC_021161.1	Ca_kabuli_chr02	21305212	TT	AA	1940151175
SNP_P1_26513_21305654	NC_021161.1	Ca_kabuli_chr02	21305654	AA	TT	1940151176
SNP_P1_26514_21305657	NC_021161.1	Ca_kabuli_chr02	21305657	AA	GG	1940151177
SNP_P1_26515_21305658	NC_021161.1	Ca_kabuli_chr02	21305658	CC	TT	1940151178
SNP_P1_26516_21305674	NC_021161.1	Ca_kabuli_chr02	21305674	AA	CC	1940151179
SNP_P1_26517_21305702	NC_021161.1	Ca_kabuli_chr02	21305702	GG	AA	1940151180
SNP_P1_26518_21305737	NC_021161.1	Ca_kabuli_chr02	21305737	AA	TT	1940151181
SNP_P1_26520_21308765	NC_021161.1	Ca_kabuli_chr02	21308765	TT	GG	1940151182
SNP_P1_26521_21308797	NC_021161.1	Ca_kabuli_chr02	21308797	GG	AA	1940151183
SNP_P1_26522_21308948	NC_021161.1	Ca_kabuli_chr02	21308948	CC	TT	1940151185
SNP_P1_26523_21309174	NC_021161.1	Ca_kabuli_chr02	21309174	AA	TT	1940151186
SNP_P1_26524_21309198	NC_021161.1	Ca_kabuli_chr02	21309198	AA	CC	1940151187
SNP_P1_26525_21309378	NC_021161.1	Ca_kabuli_chr02	21309378	CC	AA	1940151188
SNP_P1_26526_21309467	NC_021161.1	Ca_kabuli_chr02	21309467	AA	TT	1940151189
SNP_P1_26527_21309512	NC_021161.1	Ca_kabuli_chr02	21309512	TT	CC	1940151190
SNP_P1_26528_21309613	NC_021161.1	Ca_kabuli_chr02	21309613	AA	GG	1940151191
SNP_P1_26529_21309658	NC_021161.1	Ca_kabuli_chr02	21309658	AA	GG	1940151192
SNP_P1_26530_21309705	NC_021161.1	Ca_kabuli_chr02	21309705	AA	GG	1940151193
SNP_P1_26531_21309735	NC_021161.1	Ca_kabuli_chr02	21309735	TT	CC	1940151194
SNP_P1_26532_21310027	NC_021161.1	Ca_kabuli_chr02	21310027	TT	CC	1940151195
SNP_P1_26533_21310041	NC_021161.1	Ca_kabuli_chr02	21310041	TT	CC	1940151196
SNP_P1_26534_21310066	NC_021161.1	Ca_kabuli_chr02	21310066	GG	AA	1940151197
SNP_P1_26535_21310088	NC_021161.1	Ca_kabuli_chr02	21310088	TT	CC	1940151198
SNP_P1_26536_21310624	NC_021161.1	Ca_kabuli_chr02	21310624	TT	AA	1940151200
SNP_P1_26537_21310638	NC_021161.1	Ca_kabuli_chr02	21310638	CC	TT	1940151201
SNP_P1_26538_21312134	NC_021161.1	Ca_kabuli_chr02	21312134	GG	AA	1940151202
SNP_P1_26540_21313544	NC_021161.1	Ca_kabuli_chr02	21313544	GG	AA	1940151203
SNP_P1_26541_21313567	NC_021161.1	Ca_kabuli_chr02	21313567	AA	CC	1940151204
SNP_P1_26542_21314076	NC_021161.1	Ca_kabuli_chr02	21314076	GG	CC	1940151205
SNP_P1_26543_21314192	NC_021161.1	Ca_kabuli_chr02	21314192	CC	TT	1940151206
SNP_P1_26545_21314630	NC_021161.1	Ca_kabuli_chr02	21314630	GG	AA	1940151207
SNP_P1_26546_21314644	NC_021161.1	Ca_kabuli_chr02	21314644	TT	GG	1940151208
SNP_P1_26547_21314952	NC_021161.1	Ca_kabuli_chr02	21314952	AA	TT	1940151209
SNP_P1_26548_21314992	NC_021161.1	Ca_kabuli_chr02	21314992	AA	TT	1940151210
SNP_P1_26549_21315061	NC_021161.1	Ca_kabuli_chr02	21315061	AA	TT	1940151211
SNP_P1_26550_21315322	NC_021161.1	Ca_kabuli_chr02	21315322	AA	GG	1940151212
SNP_P1_26551_21315386	NC_021161.1	Ca_kabuli_chr02	21315386	TT	AA	1940151213
SNP_P1_26552_21315465	NC_021161.1	Ca_kabuli_chr02	21315465	GG	AA	1940151214
SNP_P1_26553_21315474	NC_021161.1	Ca_kabuli_chr02	21315474	AA	GG	1940151215
SNP_P1_26554_21315644	NC_021161.1	Ca_kabuli_chr02	21315644	AA	TT	1940151216

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26556_21317521	NC_021161.1	Ca_kabuli_chr02	21317521	AA	GG	1940151218
SNP_P1_26557_21318214	NC_021161.1	Ca_kabuli_chr02	21318214	TT	CC	1940151219
SNP_P1_26558_21318506	NC_021161.1	Ca_kabuli_chr02	21318506	TT	GG	1940151220
SNP_P1_26559_21318936	NC_021161.1	Ca_kabuli_chr02	21318936	TT	AA	1940151221
SNP_P1_26560_21319310	NC_021161.1	Ca_kabuli_chr02	21319310	CC	AA	1940151222
SNP_P1_26561_21321298	NC_021161.1	Ca_kabuli_chr02	21321298	AA	CC	1940151223
SNP_P1_26562_21321583	NC_021161.1	Ca_kabuli_chr02	21321583	GG	AA	1940151224
SNP_P1_26563_21321727	NC_021161.1	Ca_kabuli_chr02	21321727	AA	GG	1940151225
SNP_P1_26564_21324561	NC_021161.1	Ca_kabuli_chr02	21324561	AA	GG	1940151226
SNP_P1_26565_21324564	NC_021161.1	Ca_kabuli_chr02	21324564	GG	AA	1940151227
SNP_P1_26566_21358090	NC_021161.1	Ca_kabuli_chr02	21358090	CC	AA	1940151228
SNP_P1_26567_21366242	NC_021161.1	Ca_kabuli_chr02	21366242	TT	CC	1940151229
SNP_P1_26568_21420608	NC_021161.1	Ca_kabuli_chr02	21420608	TT	CC	1940151230
SNP_P1_26569_21420947	NC_021161.1	Ca_kabuli_chr02	21420947	AA	GG	1940151231
SNP_P1_26570_21420985	NC_021161.1	Ca_kabuli_chr02	21420985	TT	GG	1940151232
SNP_P1_26571_21421024	NC_021161.1	Ca_kabuli_chr02	21421024	TT	GG	1940151233
SNP_P1_26574_21442606	NC_021161.1	Ca_kabuli_chr02	21442606	TT	AA	1940151235
SNP_P1_26575_21468641	NC_021161.1	Ca_kabuli_chr02	21468641	AA	TT	1940151236
SNP_P1_26576_21489640	NC_021161.1	Ca_kabuli_chr02	21489640	AA	GG	1940151237
SNP_P1_26577_21493767	NC_021161.1	Ca_kabuli_chr02	21493767	CC	TT	1940151238
SNP_P1_26578_21494900	NC_021161.1	Ca_kabuli_chr02	21494900	CC	AA	1940151239
SNP_P1_26579_21524332	NC_021161.1	Ca_kabuli_chr02	21524332	CC	GG	1940151240
SNP_P1_26580_21524427	NC_021161.1	Ca_kabuli_chr02	21524427	TT	GG	1940151241
SNP_P1_26581_21524440	NC_021161.1	Ca_kabuli_chr02	21524440	AA	GG	1940151242
SNP_P1_26582_21524454	NC_021161.1	Ca_kabuli_chr02	21524454	GG	CC	1940151243
SNP_P1_26583_21524572	NC_021161.1	Ca_kabuli_chr02	21524572	GG	AA	1940151244
SNP_P1_26584_21524581	NC_021161.1	Ca_kabuli_chr02	21524581	TT	GG	1940151245
SNP_P1_26585_21528182	NC_021161.1	Ca_kabuli_chr02	21528182	AA	GG	1940151246
SNP_P1_26586_21536027	NC_021161.1	Ca_kabuli_chr02	21536027	GG	AA	1940151247
SNP_P1_26587_21536067	NC_021161.1	Ca_kabuli_chr02	21536067	AA	GG	1940151248
SNP_P1_26588_21536461	NC_021161.1	Ca_kabuli_chr02	21536461	AA	GG	1940151249
SNP_P1_26589_21536526	NC_021161.1	Ca_kabuli_chr02	21536526	AA	GG	1940151250
SNP_P1_26590_21537510	NC_021161.1	Ca_kabuli_chr02	21537510	CC	TT	1940151251
SNP_P1_26591_21537511	NC_021161.1	Ca_kabuli_chr02	21537511	TT	CC	1940151252
SNP_P1_26592_21537513	NC_021161.1	Ca_kabuli_chr02	21537513	CC	TT	1940151253
SNP_P1_26593_21537517	NC_021161.1	Ca_kabuli_chr02	21537517	GG	AA	1940151254
SNP_P1_26594_21537521	NC_021161.1	Ca_kabuli_chr02	21537521	CC	TT	1940151255
SNP_P1_26595_21537524	NC_021161.1	Ca_kabuli_chr02	21537524	TT	GG	1940151256
SNP_P1_26596_21537922	NC_021161.1	Ca_kabuli_chr02	21537922	AA	TT	1940151257
SNP_P1_26597_21537944	NC_021161.1	Ca_kabuli_chr02	21537944	AA	GG	1940151258
SNP_P1_26598_21537998	NC_021161.1	Ca_kabuli_chr02	21537998	CC	AA	1940151259

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26601_21538258	NC_021161.1	Ca_kabuli_chr02	21538258	TT	CC	1940151261
SNP_P1_26602_21538526	NC_021161.1	Ca_kabuli_chr02	21538526	AA	GG	1940151262
SNP_P1_26603_21538559	NC_021161.1	Ca_kabuli_chr02	21538559	AA	GG	1940151263
SNP_P1_26604_21538562	NC_021161.1	Ca_kabuli_chr02	21538562	AA	GG	1940151264
SNP_P1_26605_21538652	NC_021161.1	Ca_kabuli_chr02	21538652	AA	GG	1940151265
SNP_P1_26606_21550944	NC_021161.1	Ca_kabuli_chr02	21550944	AA	TT	1940151266
SNP_P1_26608_21557577	NC_021161.1	Ca_kabuli_chr02	21557577	TT	AA	1940151267
SNP_P1_26609_21557580	NC_021161.1	Ca_kabuli_chr02	21557580	CC	TT	1940151268
SNP_P1_26610_21574156	NC_021161.1	Ca_kabuli_chr02	21574156	AA	GG	1940151269
SNP_P1_26611_21574177	NC_021161.1	Ca_kabuli_chr02	21574177	AA	TT	1940151270
SNP_P1_26612_21574236	NC_021161.1	Ca_kabuli_chr02	21574236	TT	CC	1940151272
SNP_P1_26613_21578262	NC_021161.1	Ca_kabuli_chr02	21578262	AA	GG	1940151273
SNP_P1_26614_21582401	NC_021161.1	Ca_kabuli_chr02	21582401	TT	CC	1940151274
SNP_P1_26615_21582437	NC_021161.1	Ca_kabuli_chr02	21582437	GG	AA	1940151275
SNP_P1_26616_21594951	NC_021161.1	Ca_kabuli_chr02	21594951	AA	TT	1940151276
SNP_P1_26617_21594955	NC_021161.1	Ca_kabuli_chr02	21594955	TT	AA	1940151277
SNP_P1_26619_21599962	NC_021161.1	Ca_kabuli_chr02	21599962	GG	AA	1940151278
SNP_P1_26620_21602566	NC_021161.1	Ca_kabuli_chr02	21602566	GG	TT	1940151279
SNP_P1_26621_21607736	NC_021161.1	Ca_kabuli_chr02	21607736	CC	TT	1940151280
SNP_P1_26622_21656923	NC_021161.1	Ca_kabuli_chr02	21656923	CC	TT	1940151281
SNP_P1_26623_21667015	NC_021161.1	Ca_kabuli_chr02	21667015	CC	GG	1940151282
SNP_P1_26625_21673803	NC_021161.1	Ca_kabuli_chr02	21673803	GG	AA	1940151283
SNP_P1_26626_21674617	NC_021161.1	Ca_kabuli_chr02	21674617	CC	TT	1940151284
SNP_P1_26627_21685734	NC_021161.1	Ca_kabuli_chr02	21685734	TT	AA	1940151285
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SNP_P1_26629_21685902	NC_021161.1	Ca_kabuli_chr02	21685902	AA	CC	1940151287
SNP_P1_26630_21685945	NC_021161.1	Ca_kabuli_chr02	21685945	AA	CC	1940151288
SNP_P1_26631_21685968	NC_021161.1	Ca_kabuli_chr02	21685968	AA	CC	1940151289
SNP_P1_26635_21753457	NC_021161.1	Ca_kabuli_chr02	21753457	AA	TT	1940151290
SNP_P1_26636_21757833	NC_021161.1	Ca_kabuli_chr02	21757833	CC	AA	1940151291
SNP_P1_26637_21757845	NC_021161.1	Ca_kabuli_chr02	21757845	CC	TT	1940151292
SNP_P1_26638_21757881	NC_021161.1	Ca_kabuli_chr02	21757881	TT	AA	1940151293
SNP_P1_26639_21757900	NC_021161.1	Ca_kabuli_chr02	21757900	GG	AA	1940151294
SNP_P1_26640_21757905	NC_021161.1	Ca_kabuli_chr02	21757905	GG	AA	1940151295
SNP_P1_26641_21767611	NC_021161.1	Ca_kabuli_chr02	21767611	CC	TT	1940151296
SNP_P1_26642_21767641	NC_021161.1	Ca_kabuli_chr02	21767641	TT	AA	1940151297
SNP_P1_26643_21774464	NC_021161.1	Ca_kabuli_chr02	21774464	CC	AA	1940151298
SNP_P1_26644_21774772	NC_021161.1	Ca_kabuli_chr02	21774772	AA	GG	1940151299
SNP_P1_26645_21774779	NC_021161.1	Ca_kabuli_chr02	21774779	CC	TT	1940151300
SNP_P1_26646_21777813	NC_021161.1	Ca_kabuli_chr02	21777813	CC	TT	1940151301
SNP_P1_26647_21777815	NC_021161.1	Ca_kabuli_chr02	21777815	CC	TT	1940151302

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26650_21784046	NC_021161.1	Ca_kabuli_chr02	21784046	GG	AA	1940151304
SNP_P1_26651_21784068	NC_021161.1	Ca_kabuli_chr02	21784068	TT	CC	1940151305
SNP_P1_26652_21784122	NC_021161.1	Ca_kabuli_chr02	21784122	AA	GG	1940151306
SNP_P1_26653_21791550	NC_021161.1	Ca_kabuli_chr02	21791550	CC	TT	1940151307
SNP_P1_26654_21801809	NC_021161.1	Ca_kabuli_chr02	21801809	AA	GG	1940151308
SNP_P1_26656_21900492	NC_021161.1	Ca_kabuli_chr02	21900492	GG	AA	1940151309
SNP_P1_26657_21902198	NC_021161.1	Ca_kabuli_chr02	21902198	AA	CC	1940151310
SNP_P1_26658_21902569	NC_021161.1	Ca_kabuli_chr02	21902569	GG	AA	1940151311
SNP_P1_26659_21902586	NC_021161.1	Ca_kabuli_chr02	21902586	TT	AA	1940151313
SNP_P1_26660_21902833	NC_021161.1	Ca_kabuli_chr02	21902833	AA	GG	1940151314
SNP_P1_26661_21902887	NC_021161.1	Ca_kabuli_chr02	21902887	AA	GG	1940151315
SNP_P1_26662_21902916	NC_021161.1	Ca_kabuli_chr02	21902916	GG	AA	1940151316
SNP_P1_26663_21902926	NC_021161.1	Ca_kabuli_chr02	21902926	TT	CC	1940151317
SNP_P1_26664_21902928	NC_021161.1	Ca_kabuli_chr02	21902928	GG	AA	1940151318
SNP_P1_26665_21928424	NC_021161.1	Ca_kabuli_chr02	21928424	AA	CC	1940151319
SNP_P1_26666_21928512	NC_021161.1	Ca_kabuli_chr02	21928512	AA	TT	1940151320
SNP_P1_26667_21929045	NC_021161.1	Ca_kabuli_chr02	21929045	TT	AA	1940151321
SNP_P1_26668_21930432	NC_021161.1	Ca_kabuli_chr02	21930432	AA	GG	1940151322
SNP_P1_26670_21956077	NC_021161.1	Ca_kabuli_chr02	21956077	TT	CC	1940151323
SNP_P1_26671_21956120	NC_021161.1	Ca_kabuli_chr02	21956120	TT	CC	1940151324
SNP_P1_26672_21956372	NC_021161.1	Ca_kabuli_chr02	21956372	CC	AA	1940151325
SNP_P1_26673_21969119	NC_021161.1	Ca_kabuli_chr02	21969119	GG	AA	1940151326
SNP_P1_26674_21998002	NC_021161.1	Ca_kabuli_chr02	21998002	TT	CC	1940151327
SNP_P1_26675_21998706	NC_021161.1	Ca_kabuli_chr02	21998706	AA	GG	1940151328
SNP_P1_26676_21998753	NC_021161.1	Ca_kabuli_chr02	21998753	AA	CC	1940151329
SNP_P1_26677_21998754	NC_021161.1	Ca_kabuli_chr02	21998754	TT	CC	1940151330
SNP_P1_26678_21998821	NC_021161.1	Ca_kabuli_chr02	21998821	GG	AA	1940151331
SNP_P1_26679_21999067	NC_021161.1	Ca_kabuli_chr02	21999067	GG	AA	1940151332
SNP_P1_26680_21999072	NC_021161.1	Ca_kabuli_chr02	21999072	CC	TT	1940151333
SNP_P1_26681_21999109	NC_021161.1	Ca_kabuli_chr02	21999109	TT	AA	1940151334
SNP_P1_26682_21999324	NC_021161.1	Ca_kabuli_chr02	21999324	GG	AA	1940151335
SNP_P1_26683_21999325	NC_021161.1	Ca_kabuli_chr02	21999325	TT	CC	1940151336
SNP_P1_26684_21999343	NC_021161.1	Ca_kabuli_chr02	21999343	TT	AA	1940151337
SNP_P1_26685_22039146	NC_021161.1	Ca_kabuli_chr02	22039146	CC	TT	1940151338
SNP_P1_26686_22045117	NC_021161.1	Ca_kabuli_chr02	22045117	GG	AA	1940151339
SNP_P1_26687_22045120	NC_021161.1	Ca_kabuli_chr02	22045120	GG	TT	1940151340
SNP_P1_26688_22057372	NC_021161.1	Ca_kabuli_chr02	22057372	TT	GG	1940151341
SNP_P1_26690_22065018	NC_021161.1	Ca_kabuli_chr02	22065018	TT	AA	1940151342
SNP_P1_26691_22065171	NC_021161.1	Ca_kabuli_chr02	22065171	GG	AA	1940151343
SNP_P1_26692_22065172	NC_021161.1	Ca_kabuli_chr02	22065172	TT	AA	1940151344
SNP_P1_26693_22065176	NC_021161.1	Ca_kabuli_chr02	22065176	CC	AA	1940151345

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26695_22065261	NC_021161.1	Ca_kabuli_chr02	22065261	GG	AA	1940151347
SNP_P1_26696_22065308	NC_021161.1	Ca_kabuli_chr02	22065308	GG	CC	1940151348
SNP_P1_26697_22068975	NC_021161.1	Ca_kabuli_chr02	22068975	AA	TT	1940151349
SNP_P1_26698_22068996	NC_021161.1	Ca_kabuli_chr02	22068996	GG	AA	1940151350
SNP_P1_26699_22069014	NC_021161.1	Ca_kabuli_chr02	22069014	AA	TT	1940151351
SNP_P1_26700_22069095	NC_021161.1	Ca_kabuli_chr02	22069095	CC	AA	1940151353
SNP_P1_26701_22069827	NC_021161.1	Ca_kabuli_chr02	22069827	GG	AA	1940151354
SNP_P1_26704_22167164	NC_021161.1	Ca_kabuli_chr02	22167164	TT	AA	1940151355
SNP_P1_26705_22167165	NC_021161.1	Ca_kabuli_chr02	22167165	TT	AA	1940151356
SNP_P1_26706_22195131	NC_021161.1	Ca_kabuli_chr02	22195131	GG	AA	1940151357
SNP_P1_26707_22195132	NC_021161.1	Ca_kabuli_chr02	22195132	TT	CC	1940151358
SNP_P1_26708_22195346	NC_021161.1	Ca_kabuli_chr02	22195346	AA	GG	1940151359
SNP_P1_26709_22195363	NC_021161.1	Ca_kabuli_chr02	22195363	CC	AA	1940151360
SNP_P1_26710_22196671	NC_021161.1	Ca_kabuli_chr02	22196671	TT	AA	1940151361
SNP_P1_26711_22202179	NC_021161.1	Ca_kabuli_chr02	22202179	AA	GG	1940151362
SNP_P1_26712_22202185	NC_021161.1	Ca_kabuli_chr02	22202185	CC	AA	1940151363
SNP_P1_26713_22202206	NC_021161.1	Ca_kabuli_chr02	22202206	GG	AA	1940151364
SNP_P1_26714_22202207	NC_021161.1	Ca_kabuli_chr02	22202207	CC	AA	1940151365
SNP_P1_26715_22202209	NC_021161.1	Ca_kabuli_chr02	22202209	TT	GG	1940151366
SNP_P1_26716_22202215	NC_021161.1	Ca_kabuli_chr02	22202215	CC	GG	1940151367
SNP_P1_26717_22202230	NC_021161.1	Ca_kabuli_chr02	22202230	CC	TT	1940151368
SNP_P1_26718_22202240	NC_021161.1	Ca_kabuli_chr02	22202240	TT	GG	1940151369
SNP_P1_26719_22202266	NC_021161.1	Ca_kabuli_chr02	22202266	TT	CC	1940151370
SNP_P1_26720_22202282	NC_021161.1	Ca_kabuli_chr02	22202282	TT	CC	1940151371
SNP_P1_26721_22202550	NC_021161.1	Ca_kabuli_chr02	22202550	CC	TT	1940151372
SNP_P1_26722_22202590	NC_021161.1	Ca_kabuli_chr02	22202590	CC	AA	1940151373
SNP_P1_26723_22202596	NC_021161.1	Ca_kabuli_chr02	22202596	CC	TT	1940151374
SNP_P1_26724_22204612	NC_021161.1	Ca_kabuli_chr02	22204612	GG	AA	1940151375
SNP_P1_26725_22215614	NC_021161.1	Ca_kabuli_chr02	22215614	AA	TT	1940151376
SNP_P1_26726_22215618	NC_021161.1	Ca_kabuli_chr02	22215618	AA	TT	1940151377
SNP_P1_26728_22266414	NC_021161.1	Ca_kabuli_chr02	22266414	CC	TT	1940151378
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SNP_P1_26730_22284879	NC_021161.1	Ca_kabuli_chr02	22284879	CC	TT	1940151380
SNP_P1_26731_22285135	NC_021161.1	Ca_kabuli_chr02	22285135	AA	GG	1940151381
SNP_P1_26732_22285145	NC_021161.1	Ca_kabuli_chr02	22285145	TT	CC	1940151382
SNP_P1_26733_22285174	NC_021161.1	Ca_kabuli_chr02	22285174	TT	CC	1940151383
SNP_P1_26734_22285352	NC_021161.1	Ca_kabuli_chr02	22285352	AA	GG	1940151384
SNP_P1_26735_22285403	NC_021161.1	Ca_kabuli_chr02	22285403	AA	TT	1940151386
SNP_P1_26736_22285979	NC_021161.1	Ca_kabuli_chr02	22285979	AA	GG	1940151387
SNP_P1_26738_22301313	NC_021161.1	Ca_kabuli_chr02	22301313	TT	AA	1940151388
SNP_P1_26739_22312740	NC_021161.1	Ca_kabuli_chr02	22312740	TT	GG	1940151389

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26742_22359602	NC_021161.1	Ca_kabuli_chr02	22359602	GG	CC	1940151392
SNP_P1_26743_22359953	NC_021161.1	Ca_kabuli_chr02	22359953	TT	CC	1940151393
SNP_P1_26744_22360291	NC_021161.1	Ca_kabuli_chr02	22360291	TT	GG	1940151394
SNP_P1_26745_22412192	NC_021161.1	Ca_kabuli_chr02	22412192	TT	CC	1940151395
SNP_P1_26746_22412195	NC_021161.1	Ca_kabuli_chr02	22412195	GG	AA	1940151396
SNP_P1_26747_22412209	NC_021161.1	Ca_kabuli_chr02	22412209	TT	GG	1940151397
SNP_P1_26748_22412593	NC_021161.1	Ca_kabuli_chr02	22412593	GG	CC	1940151398
SNP_P1_26749_22412601	NC_021161.1	Ca_kabuli_chr02	22412601	CC	TT	1940151399
SNP_P1_26750_22429924	NC_021161.1	Ca_kabuli_chr02	22429924	CC	TT	1940151400
SNP_P1_26751_22436069	NC_021161.1	Ca_kabuli_chr02	22436069	AA	TT	1940151401
SNP_P1_26752_22454886	NC_021161.1	Ca_kabuli_chr02	22454886	CC	TT	1940151402
SNP_P1_26753_22455625	NC_021161.1	Ca_kabuli_chr02	22455625	CC	TT	1940151403
SNP_P1_26754_22455658	NC_021161.1	Ca_kabuli_chr02	22455658	TT	CC	1940151404
SNP_P1_26757_22480535	NC_021161.1	Ca_kabuli_chr02	22480535	AA	TT	1940151405
SNP_P1_26758_22482091	NC_021161.1	Ca_kabuli_chr02	22482091	AA	GG	1940151406
SNP_P1_26759_22482366	NC_021161.1	Ca_kabuli_chr02	22482366	GG	AA	1940151407
SNP_P1_26760_22482461	NC_021161.1	Ca_kabuli_chr02	22482461	TT	GG	1940151408
SNP_P1_26761_22482510	NC_021161.1	Ca_kabuli_chr02	22482510	TT	CC	1940151409
SNP_P1_26762_22482511	NC_021161.1	Ca_kabuli_chr02	22482511	GG	AA	1940151410
SNP_P1_26763_22482541	NC_021161.1	Ca_kabuli_chr02	22482541	TT	GG	1940151411
SNP_P1_26764_22482559	NC_021161.1	Ca_kabuli_chr02	22482559	CC	AA	1940151412
SNP_P1_26765_22482563	NC_021161.1	Ca_kabuli_chr02	22482563	TT	AA	1940151413
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SNP_P1_26767_22482573	NC_021161.1	Ca_kabuli_chr02	22482573	GG	AA	1940151415
SNP_P1_26768_22482784	NC_021161.1	Ca_kabuli_chr02	22482784	AA	GG	1940151416
SNP_P1_26769_22482889	NC_021161.1	Ca_kabuli_chr02	22482889	TT	CC	1940151417
SNP_P1_26770_22489204	NC_021161.1	Ca_kabuli_chr02	22489204	AA	GG	1940151418
SNP_P1_26771_22489239	NC_021161.1	Ca_kabuli_chr02	22489239	GG	TT	1940151420
SNP_P1_26772_22489240	NC_021161.1	Ca_kabuli_chr02	22489240	TT	CC	1940151421
SNP_P1_26773_22489244	NC_021161.1	Ca_kabuli_chr02	22489244	AA	GG	1940151422
SNP_P1_26774_22489276	NC_021161.1	Ca_kabuli_chr02	22489276	AA	TT	1940151423
SNP_P1_26775_22489285	NC_021161.1	Ca_kabuli_chr02	22489285	GG	AA	1940151424
SNP_P1_26776_22506609	NC_021161.1	Ca_kabuli_chr02	22506609	TT	CC	1940151425
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SNP_P1_26778_22506896	NC_021161.1	Ca_kabuli_chr02	22506896	CC	TT	1940151427
SNP_P1_26779_22526762	NC_021161.1	Ca_kabuli_chr02	22526762	AA	GG	1940151428
SNP_P1_26780_22565512	NC_021161.1	Ca_kabuli_chr02	22565512	AA	TT	1940151429
SNP_P1_26781_22566155	NC_021161.1	Ca_kabuli_chr02	22566155	TT	AA	1940151430
SNP_P1_26782_22579438	NC_021161.1	Ca_kabuli_chr02	22579438	TT	CC	1940151431
SNP_P1_26783_22579529	NC_021161.1	Ca_kabuli_chr02	22579529	TT	AA	1940151432

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26786_22584995	NC_021161.1	Ca_kabuli_chr02	22584995	TT	CC	1940151434
SNP_P1_26787_22585014	NC_021161.1	Ca_kabuli_chr02	22585014	AA	GG	1940151435
SNP_P1_26788_22585041	NC_021161.1	Ca_kabuli_chr02	22585041	CC	AA	1940151436
SNP_P1_26789_22585057	NC_021161.1	Ca_kabuli_chr02	22585057	TT	CC	1940151437
SNP_P1_26790_22585312	NC_021161.1	Ca_kabuli_chr02	22585312	TT	CC	1940151438
SNP_P1_26791_22585356	NC_021161.1	Ca_kabuli_chr02	22585356	AA	GG	1940151439
SNP_P1_26792_22585358	NC_021161.1	Ca_kabuli_chr02	22585358	AA	GG	1940151440
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SNP_P1_26798_22602326	NC_021161.1	Ca_kabuli_chr02	22602326	CC	TT	1940151446
SNP_P1_26799_22608411	NC_021161.1	Ca_kabuli_chr02	22608411	AA	GG	1940151447
SNP_P1_26800_22608414	NC_021161.1	Ca_kabuli_chr02	22608414	AA	GG	1940151448
SNP_P1_26801_22608417	NC_021161.1	Ca_kabuli_chr02	22608417	TT	CC	1940151450
SNP_P1_26802_22608439	NC_021161.1	Ca_kabuli_chr02	22608439	TT	CC	1940151451
SNP_P1_26803_22608471	NC_021161.1	Ca_kabuli_chr02	22608471	AA	GG	1940151452
SNP_P1_26804_22642479	NC_021161.1	Ca_kabuli_chr02	22642479	AA	GG	1940151453
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SNP_P1_26807_22643977	NC_021161.1	Ca_kabuli_chr02	22643977	GG	TT	1940151456
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SNP_P1_26812_22644238	NC_021161.1	Ca_kabuli_chr02	22644238	TT	GG	1940151461
SNP_P1_26813_22644358	NC_021161.1	Ca_kabuli_chr02	22644358	CC	TT	1940151463
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SNP_P1_26815_22644407	NC_021161.1	Ca_kabuli_chr02	22644407	TT	AA	1940151465
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SNP_P1_26819_22649979	NC_021161.1	Ca_kabuli_chr02	22649979	TT	CC	1940151469
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SNP_P1_26824_22650687	NC_021161.1	Ca_kabuli_chr02	22650687	AA	GG	1940151473
SNP_P1_26825_22650734	NC_021161.1	Ca_kabuli_chr02	22650734	TT	CC	1940151474
SNP_P1_26826_22650764	NC_021161.1	Ca_kabuli_chr02	22650764	AA	GG	1940151476
SNP_P1_26827_22650798	NC_021161.1	Ca_kabuli_chr02	22650798	AA	GG	1940151477

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26830_22651023	NC_021161.1	Ca_kabuli_chr02	22651023	TT	GG	1940151480
SNP_P1_26831_22651219	NC_021161.1	Ca_kabuli_chr02	22651219	GG	AA	1940151481
SNP_P1_26832_22651501	NC_021161.1	Ca_kabuli_chr02	22651501	CC	AA	1940151482
SNP_P1_26833_22651843	NC_021161.1	Ca_kabuli_chr02	22651843	TT	CC	1940151483
SNP_P1_26834_22665520	NC_021161.1	Ca_kabuli_chr02	22665520	GG	AA	1940151484
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SNP_P1_26836_22665819	NC_021161.1	Ca_kabuli_chr02	22665819	CC	AA	1940151486
SNP_P1_26837_22667743	NC_021161.1	Ca_kabuli_chr02	22667743	AA	GG	1940151487
SNP_P1_26838_22667756	NC_021161.1	Ca_kabuli_chr02	22667756	TT	CC	1940151488
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SNP_P1_26843_22677327	NC_021161.1	Ca_kabuli_chr02	22677327	AA	TT	1940151493
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SNP_P1_26850_22681899	NC_021161.1	Ca_kabuli_chr02	22681899	GG	AA	1940151500
SNP_P1_26851_22743897	NC_021161.1	Ca_kabuli_chr02	22743897	GG	AA	1940151501
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SNP_P1_26853_22748908	NC_021161.1	Ca_kabuli_chr02	22748908	AA	GG	1940151503
SNP_P1_26854_22749216	NC_021161.1	Ca_kabuli_chr02	22749216	TT	CC	1940151504
SNP_P1_26855_22749304	NC_021161.1	Ca_kabuli_chr02	22749304	CC	TT	1940151505
SNP_P1_26856_22749311	NC_021161.1	Ca_kabuli_chr02	22749311	CC	AA	1940151507
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SNP_P1_26859_22749340	NC_021161.1	Ca_kabuli_chr02	22749340	GG	AA	1940151510
SNP_P1_26860_22749381	NC_021161.1	Ca_kabuli_chr02	22749381	AA	GG	1940151511
SNP_P1_26861_22749410	NC_021161.1	Ca_kabuli_chr02	22749410	TT	CC	1940151512
SNP_P1_26862_22749428	NC_021161.1	Ca_kabuli_chr02	22749428	GG	AA	1940151513
SNP_P1_26863_22749453	NC_021161.1	Ca_kabuli_chr02	22749453	TT	GG	1940151514
SNP_P1_26864_22749469	NC_021161.1	Ca_kabuli_chr02	22749469	TT	GG	1940151515
SNP_P1_26865_22749513	NC_021161.1	Ca_kabuli_chr02	22749513	GG	AA	1940151516
SNP_P1_26866_22749566	NC_021161.1	Ca_kabuli_chr02	22749566	TT	AA	1940151517
SNP_P1_26867_22749590	NC_021161.1	Ca_kabuli_chr02	22749590	GG	AA	1940151518
SNP_P1_26868_22749984	NC_021161.1	Ca_kabuli_chr02	22749984	AA	GG	1940151519
SNP_P1_26869_22750059	NC_021161.1	Ca_kabuli_chr02	22750059	GG	TT	1940151520

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_26870_22750060	NC_021161.1	Ca_kabuli_chr02	22750060	AA	GG	1940151521
SNP_P1_26871_22750077	NC_021161.1	Ca_kabuli_chr02	22750077	GG	AA	1940151522
SNP_P1_26872_22750344	NC_021161.1	Ca_kabuli_chr02	22750344	GG	AA	1940151523
SNP_P1_26873_22750367	NC_021161.1	Ca_kabuli_chr02	22750367	CC	TT	1940151524
SNP_P1_26874_22750462	NC_021161.1	Ca_kabuli_chr02	22750462	AA	GG	1940151525
SNP_P1_26875_22750493	NC_021161.1	Ca_kabuli_chr02	22750493	AA	GG	1940151526
SNP_P1_26876_22755943	NC_021161.1	Ca_kabuli_chr02	22755943	TT	AA	1940151527
SNP_P1_26877_22758081	NC_021161.1	Ca_kabuli_chr02	22758081	CC	TT	1940151528
SNP_P1_26878_22778142	NC_021161.1	Ca_kabuli_chr02	22778142	GG	TT	1940151529
SNP_P1_26879_22778157	NC_021161.1	Ca_kabuli_chr02	22778157	GG	TT	1940151530
SNP_P1_26880_22778159	NC_021161.1	Ca_kabuli_chr02	22778159	AA	GG	1940151531
SNP_P1_26881_22779117	NC_021161.1	Ca_kabuli_chr02	22779117	TT	GG	1940151532
SNP_P1_26882_22779205	NC_021161.1	Ca_kabuli_chr02	22779205	TT	CC	1940151533
SNP_P1_26883_22779399	NC_021161.1	Ca_kabuli_chr02	22779399	TT	CC	1940151534
SNP_P1_26884_22779437	NC_021161.1	Ca_kabuli_chr02	22779437	GG	AA	1940151535
SNP_P1_26885_22779440	NC_021161.1	Ca_kabuli_chr02	22779440	AA	GG	1940151536
SNP_P1_26886_22779491	NC_021161.1	Ca_kabuli_chr02	22779491	AA	CC	1940151537
SNP_P1_26887_22779611	NC_021161.1	Ca_kabuli_chr02	22779611	TT	CC	1940151538
SNP_P1_26888_22779644	NC_021161.1	Ca_kabuli_chr02	22779644	GG	AA	1940151539
SNP_P1_26889_22779960	NC_021161.1	Ca_kabuli_chr02	22779960	AA	TT	1940151540
SNP_P1_26890_22782712	NC_021161.1	Ca_kabuli_chr02	22782712	TT	AA	1940151541
SNP_P1_26891_22782989	NC_021161.1	Ca_kabuli_chr02	22782989	CC	AA	1940151542
SNP_P1_26892_22783022	NC_021161.1	Ca_kabuli_chr02	22783022	AA	TT	1940151543
SNP_P1_26893_22788880	NC_021161.1	Ca_kabuli_chr02	22788880	CC	TT	1940151544
SNP_P1_26894_22791290	NC_021161.1	Ca_kabuli_chr02	22791290	TT	CC	1940151545
SNP_P1_26895_22793884	NC_021161.1	Ca_kabuli_chr02	22793884	GG	AA	1940151546
SNP_P1_26896_22807534	NC_021161.1	Ca_kabuli_chr02	22807534	CC	TT	1940151548
SNP_P1_26897_22811468	NC_021161.1	Ca_kabuli_chr02	22811468	CC	TT	1940151549
SNP_P1_26898_22812347	NC_021161.1	Ca_kabuli_chr02	22812347	CC	AA	1940151550
SNP_P1_26899_22812381	NC_021161.1	Ca_kabuli_chr02	22812381	TT	CC	1940151551
SNP_P1_26900_22827739	NC_021161.1	Ca_kabuli_chr02	22827739	TT	CC	1940151552
SNP_P1_26902_22864863	NC_021161.1	Ca_kabuli_chr02	22864863	AA	GG	1940151553
SNP_P1_26903_22889820	NC_021161.1	Ca_kabuli_chr02	22889820	GG	AA	1940151554
SNP_P1_26904_22889825	NC_021161.1	Ca_kabuli_chr02	22889825	TT	AA	1940151555
SNP_P1_26905_22889842	NC_021161.1	Ca_kabuli_chr02	22889842	CC	TT	1940151556
SNP_P1_26907_22901310	NC_021161.1	Ca_kabuli_chr02	22901310	CC	TT	1940151557
SNP_P1_26908_22915355	NC_021161.1	Ca_kabuli_chr02	22915355	GG	AA	1940151558
SNP_P1_26909_22929718	NC_021161.1	Ca_kabuli_chr02	22929718	AA	GG	1940151559
SNP_P1_26911_22942919	NC_021161.1	Ca_kabuli_chr02	22942919	GG	TT	1940151560
SNP_P1_26912_22959696	NC_021161.1	Ca_kabuli_chr02	22959696	TT	CC	1940151561
SNP_P1_26913_22959702	NC_021161.1	Ca_kabuli_chr02	22959702	AA	GG	1940151562
SNP_P1_26914_22974296	NC_021161.1	Ca_kabuli_chr02	22974296	CC	TT	1940151563

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26916_23006738	NC_021161.1	Ca_kabuli_chr02	23006738	TT	GG	1940151565
SNP_P1_26917_23023990	NC_021161.1	Ca_kabuli_chr02	23023990	AA	CC	1940151566
SNP_P1_26919_23029801	NC_021161.1	Ca_kabuli_chr02	23029801	GG	AA	1940151567
SNP_P1_26920_23034409	NC_021161.1	Ca_kabuli_chr02	23034409	AA	GG	1940151568
SNP_P1_26921_23041211	NC_021161.1	Ca_kabuli_chr02	23041211	TT	CC	1940151569
SNP_P1_26922_23041233	NC_021161.1	Ca_kabuli_chr02	23041233	CC	AA	1940151570
SNP_P1_26923_23041249	NC_021161.1	Ca_kabuli_chr02	23041249	GG	AA	1940151571
SNP_P1_26924_23041316	NC_021161.1	Ca_kabuli_chr02	23041316	AA	TT	1940151572
SNP_P1_26925_23041322	NC_021161.1	Ca_kabuli_chr02	23041322	CC	TT	1940151573
SNP_P1_26926_23041325	NC_021161.1	Ca_kabuli_chr02	23041325	AA	GG	1940151574
SNP_P1_26927_23041337	NC_021161.1	Ca_kabuli_chr02	23041337	CC	TT	1940151575
SNP_P1_26928_23041642	NC_021161.1	Ca_kabuli_chr02	23041642	GG	TT	1940151576
SNP_P1_26929_23041703	NC_021161.1	Ca_kabuli_chr02	23041703	GG	AA	1940151577
SNP_P1_26930_23042541	NC_021161.1	Ca_kabuli_chr02	23042541	CC	TT	1940151578
SNP_P1_26932_23043198	NC_021161.1	Ca_kabuli_chr02	23043198	CC	TT	1940151579
SNP_P1_26934_23067648	NC_021161.1	Ca_kabuli_chr02	23067648	AA	GG	1940151581
SNP_P1_26935_23067795	NC_021161.1	Ca_kabuli_chr02	23067795	TT	CC	1940151582
SNP_P1_26936_23068006	NC_021161.1	Ca_kabuli_chr02	23068006	TT	CC	1940151583
SNP_P1_26937_23068080	NC_021161.1	Ca_kabuli_chr02	23068080	CC	GG	1940151584
SNP_P1_26938_23068141	NC_021161.1	Ca_kabuli_chr02	23068141	CC	AA	1940151585
SNP_P1_26939_23068151	NC_021161.1	Ca_kabuli_chr02	23068151	CC	GG	1940151586
SNP_P1_26940_23068418	NC_021161.1	Ca_kabuli_chr02	23068418	AA	GG	1940151587
SNP_P1_26941_23068419	NC_021161.1	Ca_kabuli_chr02	23068419	TT	CC	1940151588
SNP_P1_26942_23133399	NC_021161.1	Ca_kabuli_chr02	23133399	TT	AA	1940151589
SNP_P1_26943_23155456	NC_021161.1	Ca_kabuli_chr02	23155456	GG	AA	1940151590
SNP_P1_26944_23155468	NC_021161.1	Ca_kabuli_chr02	23155468	GG	AA	1940151591
SNP_P1_26945_23155477	NC_021161.1	Ca_kabuli_chr02	23155477	CC	TT	1940151592
SNP_P1_26946_23155498	NC_021161.1	Ca_kabuli_chr02	23155498	TT	AA	1940151593
SNP_P1_26947_23155532	NC_021161.1	Ca_kabuli_chr02	23155532	AA	GG	1940151594
SNP_P1_26948_23155564	NC_021161.1	Ca_kabuli_chr02	23155564	GG	TT	1940151595
SNP_P1_26949_23155919	NC_021161.1	Ca_kabuli_chr02	23155919	CC	TT	1940151596
SNP_P1_26950_23156048	NC_021161.1	Ca_kabuli_chr02	23156048	TT	CC	1940151597
SNP_P1_26951_23160314	NC_021161.1	Ca_kabuli_chr02	23160314	GG	AA	1940151598
SNP_P1_26953_23192858	NC_021161.1	Ca_kabuli_chr02	23192858	TT	CC	1940151599
SNP_P1_26954_23192938	NC_021161.1	Ca_kabuli_chr02	23192938	CC	TT	1940151600
SNP_P1_26955_23192976	NC_021161.1	Ca_kabuli_chr02	23192976	AA	GG	1940151601
SNP_P1_26956_23193053	NC_021161.1	Ca_kabuli_chr02	23193053	TT	AA	1940151602
SNP_P1_26957_23193061	NC_021161.1	Ca_kabuli_chr02	23193061	AA	CC	1940151603
SNP_P1_26958_23193078	NC_021161.1	Ca_kabuli_chr02	23193078	TT	CC	1940151604
SNP_P1_26959_23193083	NC_021161.1	Ca_kabuli_chr02	23193083	CC	TT	1940151605
SNP_P1_26961_23193636	NC_021161.1	Ca_kabuli_chr02	23193636	GG	AA	1940151606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_26964_23230474	NC_021161.1	Ca_kabuli_chr02	23230474	GG	AA	1940151608
SNP_P1_26965_23230478	NC_021161.1	Ca_kabuli_chr02	23230478	GG	TT	1940151609
SNP_P1_26966_23230508	NC_021161.1	Ca_kabuli_chr02	23230508	AA	GG	1940151610
SNP_P1_26967_23248044	NC_021161.1	Ca_kabuli_chr02	23248044	TT	CC	1940151611
SNP_P1_26968_23253132	NC_021161.1	Ca_kabuli_chr02	23253132	CC	GG	1940151612
SNP_P1_26969_23253133	NC_021161.1	Ca_kabuli_chr02	23253133	TT	CC	1940151613
SNP_P1_26970_23253135	NC_021161.1	Ca_kabuli_chr02	23253135	CC	TT	1940151614
SNP_P1_26971_23253178	NC_021161.1	Ca_kabuli_chr02	23253178	GG	TT	1940151615
SNP_P1_26972_23254004	NC_021161.1	Ca_kabuli_chr02	23254004	CC	AA	1940151617
SNP_P1_26973_23254019	NC_021161.1	Ca_kabuli_chr02	23254019	GG	AA	1940151618
SNP_P1_26974_23254030	NC_021161.1	Ca_kabuli_chr02	23254030	CC	TT	1940151619
SNP_P1_26975_23255653	NC_021161.1	Ca_kabuli_chr02	23255653	TT	CC	1940151620
SNP_P1_26976_23255662	NC_021161.1	Ca_kabuli_chr02	23255662	TT	CC	1940151621
SNP_P1_26977_23255668	NC_021161.1	Ca_kabuli_chr02	23255668	TT	CC	1940151622
SNP_P1_26978_23260170	NC_021161.1	Ca_kabuli_chr02	23260170	GG	TT	1940151623
SNP_P1_26979_23279485	NC_021161.1	Ca_kabuli_chr02	23279485	GG	AA	1940151624
SNP_P1_26980_23292959	NC_021161.1	Ca_kabuli_chr02	23292959	GG	CC	1940151625
SNP_P1_26982_23362429	NC_021161.1	Ca_kabuli_chr02	23362429	AA	GG	1940151626
SNP_P1_26983_23362644	NC_021161.1	Ca_kabuli_chr02	23362644	CC	GG	1940151627
SNP_P1_26984_23362694	NC_021161.1	Ca_kabuli_chr02	23362694	TT	CC	1940151628
SNP_P1_26985_23362720	NC_021161.1	Ca_kabuli_chr02	23362720	TT	CC	1940151629
SNP_P1_26986_23368568	NC_021161.1	Ca_kabuli_chr02	23368568	TT	GG	1940151630
SNP_P1_26987_23371303	NC_021161.1	Ca_kabuli_chr02	23371303	GG	CC	1940151631
SNP_P1_26988_23371404	NC_021161.1	Ca_kabuli_chr02	23371404	AA	GG	1940151632
SNP_P1_26989_23371455	NC_021161.1	Ca_kabuli_chr02	23371455	TT	CC	1940151633
SNP_P1_26990_23371497	NC_021161.1	Ca_kabuli_chr02	23371497	CC	AA	1940151634
SNP_P1_26991_23371547	NC_021161.1	Ca_kabuli_chr02	23371547	GG	AA	1940151635
SNP_P1_26992_23371561	NC_021161.1	Ca_kabuli_chr02	23371561	CC	TT	1940151636
SNP_P1_26993_23371798	NC_021161.1	Ca_kabuli_chr02	23371798	AA	GG	1940151637
SNP_P1_26994_23371861	NC_021161.1	Ca_kabuli_chr02	23371861	CC	TT	1940151638
SNP_P1_26995_23372450	NC_021161.1	Ca_kabuli_chr02	23372450	AA	GG	1940151639
SNP_P1_26996_23372506	NC_021161.1	Ca_kabuli_chr02	23372506	CC	TT	1940151640
SNP_P1_26997_23393434	NC_021161.1	Ca_kabuli_chr02	23393434	CC	TT	1940151641
SNP_P1_26998_23393495	NC_021161.1	Ca_kabuli_chr02	23393495	TT	GG	1940151642
SNP_P1_26999_23400995	NC_021161.1	Ca_kabuli_chr02	23400995	TT	AA	1940151643
SNP_P1_27000_23401064	NC_021161.1	Ca_kabuli_chr02	23401064	GG	AA	1940151644
SNP_P1_27001_23401098	NC_021161.1	Ca_kabuli_chr02	23401098	TT	AA	1940151645
SNP_P1_27002_23401508	NC_021161.1	Ca_kabuli_chr02	23401508	GG	AA	1940151646
SNP_P1_27004_23408503	NC_021161.1	Ca_kabuli_chr02	23408503	TT	CC	1940151648
SNP_P1_27005_23420287	NC_021161.1	Ca_kabuli_chr02	23420287	TT	CC	1940151649
SNP_P1_27007_23503718	NC_021161.1	Ca_kabuli_chr02	23503718	GG	AA	1940151650

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27010_23539436	NC_021161.1	Ca_kabuli_chr02	23539436	CC	TT	1940151652
SNP_P1_27011_23544794	NC_021161.1	Ca_kabuli_chr02	23544794	AA	GG	1940151653
SNP_P1_27012_23544816	NC_021161.1	Ca_kabuli_chr02	23544816	AA	GG	1940151654
SNP_P1_27013_23544842	NC_021161.1	Ca_kabuli_chr02	23544842	TT	CC	1940151655
SNP_P1_27014_23544950	NC_021161.1	Ca_kabuli_chr02	23544950	TT	CC	1940151656
SNP_P1_27015_23545017	NC_021161.1	Ca_kabuli_chr02	23545017	TT	CC	1940151657
SNP_P1_27016_23545023	NC_021161.1	Ca_kabuli_chr02	23545023	AA	GG	1940151658
SNP_P1_27017_23545059	NC_021161.1	Ca_kabuli_chr02	23545059	TT	AA	1940151659
SNP_P1_27018_23545121	NC_021161.1	Ca_kabuli_chr02	23545121	AA	CC	1940151660
SNP_P1_27019_23545134	NC_021161.1	Ca_kabuli_chr02	23545134	TT	CC	1940151661
SNP_P1_27020_23547629	NC_021161.1	Ca_kabuli_chr02	23547629	AA	TT	1940151662
SNP_P1_27021_23571260	NC_021161.1	Ca_kabuli_chr02	23571260	TT	AA	1940151663
SNP_P1_27022_23574017	NC_021161.1	Ca_kabuli_chr02	23574017	TT	GG	1940151664
SNP_P1_27023_23579828	NC_021161.1	Ca_kabuli_chr02	23579828	TT	GG	1940151665
SNP_P1_27024_23579831	NC_021161.1	Ca_kabuli_chr02	23579831	TT	GG	1940151666
SNP_P1_27025_23579850	NC_021161.1	Ca_kabuli_chr02	23579850	AA	CC	1940151667
SNP_P1_27027_23624316	NC_021161.1	Ca_kabuli_chr02	23624316	GG	AA	1940151668
SNP_P1_27028_23624340	NC_021161.1	Ca_kabuli_chr02	23624340	TT	AA	1940151669
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SNP_P1_27030_23624352	NC_021161.1	Ca_kabuli_chr02	23624352	CC	TT	1940151671
SNP_P1_27031_23624369	NC_021161.1	Ca_kabuli_chr02	23624369	TT	AA	1940151672
SNP_P1_27032_23624373	NC_021161.1	Ca_kabuli_chr02	23624373	TT	GG	1940151673
SNP_P1_27033_23624376	NC_021161.1	Ca_kabuli_chr02	23624376	AA	GG	1940151674
SNP_P1_27034_23624385	NC_021161.1	Ca_kabuli_chr02	23624385	AA	GG	1940151675
SNP_P1_27035_23624388	NC_021161.1	Ca_kabuli_chr02	23624388	GG	CC	1940151676
SNP_P1_27036_23624393	NC_021161.1	Ca_kabuli_chr02	23624393	AA	GG	1940151677
SNP_P1_27037_23624400	NC_021161.1	Ca_kabuli_chr02	23624400	TT	CC	1940151678
SNP_P1_27038_23624409	NC_021161.1	Ca_kabuli_chr02	23624409	AA	GG	1940151679
SNP_P1_27039_23624439	NC_021161.1	Ca_kabuli_chr02	23624439	TT	CC	1940151680
SNP_P1_27040_23624519	NC_021161.1	Ca_kabuli_chr02	23624519	AA	TT	1940151681
SNP_P1_27041_23624536	NC_021161.1	Ca_kabuli_chr02	23624536	CC	TT	1940151683
SNP_P1_27042_23624570	NC_021161.1	Ca_kabuli_chr02	23624570	GG	AA	1940151684
SNP_P1_27043_23643140	NC_021161.1	Ca_kabuli_chr02	23643140	CC	TT	1940151685
SNP_P1_27045_23657217	NC_021161.1	Ca_kabuli_chr02	23657217	CC	GG	1940151686
SNP_P1_27046_23686630	NC_021161.1	Ca_kabuli_chr02	23686630	TT	CC	1940151687
SNP_P1_27047_23691594	NC_021161.1	Ca_kabuli_chr02	23691594	TT	CC	1940151688
SNP_P1_27048_23695520	NC_021161.1	Ca_kabuli_chr02	23695520	AA	CC	1940151689
SNP_P1_27050_23729332	NC_021161.1	Ca_kabuli_chr02	23729332	AA	TT	1940151690
SNP_P1_27051_23752633	NC_021161.1	Ca_kabuli_chr02	23752633	TT	CC	1940151691
SNP_P1_27052_23752740	NC_021161.1	Ca_kabuli_chr02	23752740	TT	AA	1940151692
SNP_P1_27053_23753103	NC_021161.1	Ca_kabuli_chr02	23753103	CC	TT	1940151693

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27055_23753259	NC_021161.1	Ca_kabuli_chr02	23753259	GG	AA	1940151695
SNP_P1_27056_23760728	NC_021161.1	Ca_kabuli_chr02	23760728	AA	GG	1940151696
SNP_P1_27057_23760738	NC_021161.1	Ca_kabuli_chr02	23760738	CC	TT	1940151697
SNP_P1_27058_23761677	NC_021161.1	Ca_kabuli_chr02	23761677	AA	GG	1940151698
SNP_P1_27060_23761682	NC_021161.1	Ca_kabuli_chr02	23761682	AA	TT	1940151699
SNP_P1_27061_23766199	NC_021161.1	Ca_kabuli_chr02	23766199	CC	AA	1940151700
SNP_P1_27062_23772651	NC_021161.1	Ca_kabuli_chr02	23772651	AA	CC	1940151701
SNP_P1_27063_23772879	NC_021161.1	Ca_kabuli_chr02	23772879	GG	CC	1940151702
SNP_P1_27064_23772949	NC_021161.1	Ca_kabuli_chr02	23772949	AA	GG	1940151703
SNP_P1_27065_23785398	NC_021161.1	Ca_kabuli_chr02	23785398	TT	CC	1940151704
SNP_P1_27067_23794047	NC_021161.1	Ca_kabuli_chr02	23794047	TT	CC	1940151705
SNP_P1_27068_23794272	NC_021161.1	Ca_kabuli_chr02	23794272	TT	CC	1940151706
SNP_P1_27069_23794372	NC_021161.1	Ca_kabuli_chr02	23794372	TT	GG	1940151707
SNP_P1_27073_23838574	NC_021161.1	Ca_kabuli_chr02	23838574	CC	TT	1940151708
SNP_P1_27074_23845361	NC_021161.1	Ca_kabuli_chr02	23845361	AA	CC	1940151709
SNP_P1_27075_23845362	NC_021161.1	Ca_kabuli_chr02	23845362	AA	GG	1940151710
SNP_P1_27076_23845373	NC_021161.1	Ca_kabuli_chr02	23845373	CC	AA	1940151712
SNP_P1_27077_23845385	NC_021161.1	Ca_kabuli_chr02	23845385	CC	TT	1940151713
SNP_P1_27078_23845451	NC_021161.1	Ca_kabuli_chr02	23845451	GG	TT	1940151714
SNP_P1_27080_23853810	NC_021161.1	Ca_kabuli_chr02	23853810	TT	CC	1940151715
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SNP_P1_27082_23854451	NC_021161.1	Ca_kabuli_chr02	23854451	TT	CC	1940151717
SNP_P1_27083_23854457	NC_021161.1	Ca_kabuli_chr02	23854457	TT	CC	1940151718
SNP_P1_27084_23854633	NC_021161.1	Ca_kabuli_chr02	23854633	TT	CC	1940151719
SNP_P1_27085_23873594	NC_021161.1	Ca_kabuli_chr02	23873594	TT	AA	1940151720
SNP_P1_27086_23873595	NC_021161.1	Ca_kabuli_chr02	23873595	TT	AA	1940151721
SNP_P1_27088_23894990	NC_021161.1	Ca_kabuli_chr02	23894990	AA	GG	1940151722
SNP_P1_27089_23897840	NC_021161.1	Ca_kabuli_chr02	23897840	TT	GG	1940151723
SNP_P1_27090_23910380	NC_021161.1	Ca_kabuli_chr02	23910380	TT	CC	1940151724
SNP_P1_27091_23910913	NC_021161.1	Ca_kabuli_chr02	23910913	CC	AA	1940151725
SNP_P1_27092_23911358	NC_021161.1	Ca_kabuli_chr02	23911358	CC	TT	1940151726
SNP_P1_27093_23911677	NC_021161.1	Ca_kabuli_chr02	23911677	AA	TT	1940151727
SNP_P1_27094_23911945	NC_021161.1	Ca_kabuli_chr02	23911945	TT	AA	1940151728
SNP_P1_27095_23912417	NC_021161.1	Ca_kabuli_chr02	23912417	TT	CC	1940151730
SNP_P1_27096_23912432	NC_021161.1	Ca_kabuli_chr02	23912432	CC	TT	1940151731
SNP_P1_27097_23912510	NC_021161.1	Ca_kabuli_chr02	23912510	AA	GG	1940151732
SNP_P1_27098_23912698	NC_021161.1	Ca_kabuli_chr02	23912698	AA	TT	1940151733
SNP_P1_27099_23912803	NC_021161.1	Ca_kabuli_chr02	23912803	TT	CC	1940151734
SNP_P1_27100_23925718	NC_021161.1	Ca_kabuli_chr02	23925718	AA	CC	1940151735
SNP_P1_27101_23925725	NC_021161.1	Ca_kabuli_chr02	23925725	CC	TT	1940151736
SNP_P1_27102_23925946	NC_021161.1	Ca_kabuli_chr02	23925946	CC	TT	1940151737

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27104_23926501	NC_021161.1	Ca_kabuli_chr02	23926501	GG	CC	1940151739
SNP_P1_27105_23926521	NC_021161.1	Ca_kabuli_chr02	23926521	GG	AA	1940151740
SNP_P1_27106_23926543	NC_021161.1	Ca_kabuli_chr02	23926543	AA	TT	1940151741
SNP_P1_27107_23926769	NC_021161.1	Ca_kabuli_chr02	23926769	AA	GG	1940151742
SNP_P1_27108_23926813	NC_021161.1	Ca_kabuli_chr02	23926813	TT	GG	1940151743
SNP_P1_27109_23926996	NC_021161.1	Ca_kabuli_chr02	23926996	GG	CC	1940151744
SNP_P1_27110_23927105	NC_021161.1	Ca_kabuli_chr02	23927105	AA	GG	1940151745
SNP_P1_27111_23927240	NC_021161.1	Ca_kabuli_chr02	23927240	GG	AA	1940151746
SNP_P1_27112_23927636	NC_021161.1	Ca_kabuli_chr02	23927636	TT	GG	1940151747
SNP_P1_27113_23931668	NC_021161.1	Ca_kabuli_chr02	23931668	GG	AA	1940151748
SNP_P1_27114_23931990	NC_021161.1	Ca_kabuli_chr02	23931990	GG	AA	1940151749
SNP_P1_27115_23932205	NC_021161.1	Ca_kabuli_chr02	23932205	TT	GG	1940151750
SNP_P1_27117_23933608	NC_021161.1	Ca_kabuli_chr02	23933608	GG	CC	1940151751
SNP_P1_27118_23934055	NC_021161.1	Ca_kabuli_chr02	23934055	CC	GG	1940151752
SNP_P1_27119_23934184	NC_021161.1	Ca_kabuli_chr02	23934184	AA	GG	1940151753
SNP_P1_27120_23934307	NC_021161.1	Ca_kabuli_chr02	23934307	TT	CC	1940151754
SNP_P1_27121_23972237	NC_021161.1	Ca_kabuli_chr02	23972237	CC	TT	1940151755
SNP_P1_27122_23975052	NC_021161.1	Ca_kabuli_chr02	23975052	CC	TT	1940151756
SNP_P1_27124_23990162	NC_021161.1	Ca_kabuli_chr02	23990162	CC	AA	1940151757
SNP_P1_27125_23990169	NC_021161.1	Ca_kabuli_chr02	23990169	CC	TT	1940151758
SNP_P1_27127_24004915	NC_021161.1	Ca_kabuli_chr02	24004915	CC	TT	1940151760
SNP_P1_27128_24009971	NC_021161.1	Ca_kabuli_chr02	24009971	AA	CC	1940151761
SNP_P1_27130_24033600	NC_021161.1	Ca_kabuli_chr02	24033600	GG	AA	1940151762
SNP_P1_27131_24055962	NC_021161.1	Ca_kabuli_chr02	24055962	TT	CC	1940151763
SNP_P1_27132_24070928	NC_021161.1	Ca_kabuli_chr02	24070928	GG	AA	1940151764
SNP_P1_27135_24104572	NC_021161.1	Ca_kabuli_chr02	24104572	AA	TT	1940151765
SNP_P1_27137_24151165	NC_021161.1	Ca_kabuli_chr02	24151165	TT	CC	1940151766
SNP_P1_27138_24151209	NC_021161.1	Ca_kabuli_chr02	24151209	CC	TT	1940151767
SNP_P1_27139_24151257	NC_021161.1	Ca_kabuli_chr02	24151257	GG	AA	1940151768
SNP_P1_27140_24151519	NC_021161.1	Ca_kabuli_chr02	24151519	TT	CC	1940151769
SNP_P1_27141_24151673	NC_021161.1	Ca_kabuli_chr02	24151673	AA	GG	1940151770
SNP_P1_27143_24151922	NC_021161.1	Ca_kabuli_chr02	24151922	AA	GG	1940151771
SNP_P1_27144_24151956	NC_021161.1	Ca_kabuli_chr02	24151956	CC	TT	1940151772
SNP_P1_27145_24152174	NC_021161.1	Ca_kabuli_chr02	24152174	GG	TT	1940151773
SNP_P1_27146_24152184	NC_021161.1	Ca_kabuli_chr02	24152184	AA	GG	1940151774
SNP_P1_27147_24152531	NC_021161.1	Ca_kabuli_chr02	24152531	AA	GG	1940151775
SNP_P1_27148_24168321	NC_021161.1	Ca_kabuli_chr02	24168321	CC	TT	1940151776
SNP_P1_27149_24227457	NC_021161.1	Ca_kabuli_chr02	24227457	CC	TT	1940151777
SNP_P1_27151_24241577	NC_021161.1	Ca_kabuli_chr02	24241577	GG	TT	1940151778
SNP_P1_27152_24241593	NC_021161.1	Ca_kabuli_chr02	24241593	AA	TT	1940151779
SNP_P1_27153_24241749	NC_021161.1	Ca_kabuli_chr02	24241749	AA	GG	1940151780

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27156_24251902	NC_021161.1	Ca_kabuli_chr02	24251902	AA	GG	1940151783
SNP_P1_27157_24252104	NC_021161.1	Ca_kabuli_chr02	24252104	TT	CC	1940151784
SNP_P1_27158_24252119	NC_021161.1	Ca_kabuli_chr02	24252119	TT	CC	1940151785
SNP_P1_27159_24252122	NC_021161.1	Ca_kabuli_chr02	24252122	CC	TT	1940151786
SNP_P1_27161_24252154	NC_021161.1	Ca_kabuli_chr02	24252154	CC	TT	1940151787
SNP_P1_27162_24252157	NC_021161.1	Ca_kabuli_chr02	24252157	TT	CC	1940151788
SNP_P1_27163_24252159	NC_021161.1	Ca_kabuli_chr02	24252159	AA	CC	1940151789
SNP_P1_27164_24252193	NC_021161.1	Ca_kabuli_chr02	24252193	TT	CC	1940151790
SNP_P1_27165_24256867	NC_021161.1	Ca_kabuli_chr02	24256867	AA	CC	1940151791
SNP_P1_27166_24256894	NC_021161.1	Ca_kabuli_chr02	24256894	TT	CC	1940151792
SNP_P1_27167_24256918	NC_021161.1	Ca_kabuli_chr02	24256918	AA	GG	1940151793
SNP_P1_27168_24257034	NC_021161.1	Ca_kabuli_chr02	24257034	TT	CC	1940151794
SNP_P1_27169_24257042	NC_021161.1	Ca_kabuli_chr02	24257042	TT	CC	1940151795
SNP_P1_27170_24257046	NC_021161.1	Ca_kabuli_chr02	24257046	TT	CC	1940151796
SNP_P1_27171_24257234	NC_021161.1	Ca_kabuli_chr02	24257234	TT	CC	1940151797
SNP_P1_27172_24257329	NC_021161.1	Ca_kabuli_chr02	24257329	AA	GG	1940151799
SNP_P1_27173_24259556	NC_021161.1	Ca_kabuli_chr02	24259556	CC	TT	1940151800
SNP_P1_27174_24259679	NC_021161.1	Ca_kabuli_chr02	24259679	AA	CC	1940151801
SNP_P1_27175_24259686	NC_021161.1	Ca_kabuli_chr02	24259686	TT	AA	1940151802
SNP_P1_27176_24259697	NC_021161.1	Ca_kabuli_chr02	24259697	TT	GG	1940151803
SNP_P1_27177_24259766	NC_021161.1	Ca_kabuli_chr02	24259766	TT	CC	1940151804
SNP_P1_27178_24259774	NC_021161.1	Ca_kabuli_chr02	24259774	GG	AA	1940151805
SNP_P1_27179_24259775	NC_021161.1	Ca_kabuli_chr02	24259775	AA	TT	1940151806
SNP_P1_27180_24259802	NC_021161.1	Ca_kabuli_chr02	24259802	GG	TT	1940151807
SNP_P1_27181_24259831	NC_021161.1	Ca_kabuli_chr02	24259831	AA	TT	1940151808
SNP_P1_27184_24278359	NC_021161.1	Ca_kabuli_chr02	24278359	TT	AA	1940151809
SNP_P1_27185_24280060	NC_021161.1	Ca_kabuli_chr02	24280060	GG	AA	1940151810
SNP_P1_27186_24309738	NC_021161.1	Ca_kabuli_chr02	24309738	AA	GG	1940151811
SNP_P1_27187_24309775	NC_021161.1	Ca_kabuli_chr02	24309775	AA	CC	1940151812
SNP_P1_27188_24309951	NC_021161.1	Ca_kabuli_chr02	24309951	TT	CC	1940151813
SNP_P1_27189_24309966	NC_021161.1	Ca_kabuli_chr02	24309966	TT	CC	1940151814
SNP_P1_27190_24310031	NC_021161.1	Ca_kabuli_chr02	24310031	CC	AA	1940151815
SNP_P1_27191_24310033	NC_021161.1	Ca_kabuli_chr02	24310033	GG	CC	1940151816
SNP_P1_27192_24310106	NC_021161.1	Ca_kabuli_chr02	24310106	CC	AA	1940151817
SNP_P1_27193_24310124	NC_021161.1	Ca_kabuli_chr02	24310124	CC	AA	1940151818
SNP_P1_27194_24310160	NC_021161.1	Ca_kabuli_chr02	24310160	GG	AA	1940151819
SNP_P1_27195_24310193	NC_021161.1	Ca_kabuli_chr02	24310193	GG	AA	1940151820
SNP_P1_27196_24310198	NC_021161.1	Ca_kabuli_chr02	24310198	CC	TT	1940151821
SNP_P1_27197_24310223	NC_021161.1	Ca_kabuli_chr02	24310223	CC	TT	1940151822
SNP_P1_27198_24310265	NC_021161.1	Ca_kabuli_chr02	24310265	AA	CC	1940151823

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27200_24310623	NC_021161.1	Ca_kabuli_chr02	24310623	CC	TT	1940151825
SNP_P1_27201_24317985	NC_021161.1	Ca_kabuli_chr02	24317985	TT	CC	1940151826
SNP_P1_27202_24318078	NC_021161.1	Ca_kabuli_chr02	24318078	TT	AA	1940151827
SNP_P1_27203_24318773	NC_021161.1	Ca_kabuli_chr02	24318773	AA	GG	1940151828
SNP_P1_27205_24369939	NC_021161.1	Ca_kabuli_chr02	24369939	GG	TT	1940151829
SNP_P1_27206_24391938	NC_021161.1	Ca_kabuli_chr02	24391938	CC	GG	1940151830
SNP_P1_27207_24391986	NC_021161.1	Ca_kabuli_chr02	24391986	CC	TT	1940151831
SNP_P1_27208_24392065	NC_021161.1	Ca_kabuli_chr02	24392065	AA	GG	1940151832
SNP_P1_27209_24392078	NC_021161.1	Ca_kabuli_chr02	24392078	CC	TT	1940151833
SNP_P1_27210_24392292	NC_021161.1	Ca_kabuli_chr02	24392292	AA	GG	1940151834
SNP_P1_27211_24392295	NC_021161.1	Ca_kabuli_chr02	24392295	TT	CC	1940151835
SNP_P1_27212_24420864	NC_021161.1	Ca_kabuli_chr02	24420864	AA	GG	1940151836
SNP_P1_27213_24423153	NC_021161.1	Ca_kabuli_chr02	24423153	TT	CC	1940151837
SNP_P1_27214_24423167	NC_021161.1	Ca_kabuli_chr02	24423167	TT	AA	1940151838
SNP_P1_27215_24425271	NC_021161.1	Ca_kabuli_chr02	24425271	GG	AA	1940151840
SNP_P1_27216_24426098	NC_021161.1	Ca_kabuli_chr02	24426098	TT	CC	1940151841
SNP_P1_27217_24426100	NC_021161.1	Ca_kabuli_chr02	24426100	TT	CC	1940151842
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SNP_P1_27221_24426687	NC_021161.1	Ca_kabuli_chr02	24426687	AA	GG	1940151846
SNP_P1_27222_24426729	NC_021161.1	Ca_kabuli_chr02	24426729	CC	TT	1940151847
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SNP_P1_27225_24433899	NC_021161.1	Ca_kabuli_chr02	24433899	TT	AA	1940151850
SNP_P1_27226_24433935	NC_021161.1	Ca_kabuli_chr02	24433935	TT	CC	1940151851
SNP_P1_27227_24433946	NC_021161.1	Ca_kabuli_chr02	24433946	AA	GG	1940151852
SNP_P1_27228_24433966	NC_021161.1	Ca_kabuli_chr02	24433966	AA	GG	1940151853
SNP_P1_27229_24434042	NC_021161.1	Ca_kabuli_chr02	24434042	TT	GG	1940151854
SNP_P1_27230_24441498	NC_021161.1	Ca_kabuli_chr02	24441498	CC	TT	1940151855
SNP_P1_27231_24442747	NC_021161.1	Ca_kabuli_chr02	24442747	CC	AA	1940151856
SNP_P1_27232_24442748	NC_021161.1	Ca_kabuli_chr02	24442748	CC	GG	1940151857
SNP_P1_27233_24443165	NC_021161.1	Ca_kabuli_chr02	24443165	GG	AA	1940151858
SNP_P1_27234_24457542	NC_021161.1	Ca_kabuli_chr02	24457542	CC	GG	1940151859
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SNP_P1_27236_24498249	NC_021161.1	Ca_kabuli_chr02	24498249	AA	GG	1940151861
SNP_P1_27237_24510055	NC_021161.1	Ca_kabuli_chr02	24510055	TT	GG	1940151862
SNP_P1_27238_24515925	NC_021161.1	Ca_kabuli_chr02	24515925	GG	CC	1940151863
SNP_P1_27239_24536633	NC_021161.1	Ca_kabuli_chr02	24536633	GG	AA	1940151864
SNP_P1_27240_24537525	NC_021161.1	Ca_kabuli_chr02	24537525	CC	TT	1940151865
SNP_P1_27241_24545785	NC_021161.1	Ca_kabuli_chr02	24545785	TT	AA	1940151866

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27244_24557267	NC_021161.1	Ca_kabuli_chr02	24557267	AA	GG	1940151868
SNP_P1_27245_24557332	NC_021161.1	Ca_kabuli_chr02	24557332	TT	CC	1940151869
SNP_P1_27247_24574708	NC_021161.1	Ca_kabuli_chr02	24574708	TT	AA	1940151870
SNP_P1_27248_24575262	NC_021161.1	Ca_kabuli_chr02	24575262	GG	CC	1940151871
SNP_P1_27249_24575383	NC_021161.1	Ca_kabuli_chr02	24575383	TT	CC	1940151872
SNP_P1_27250_24575682	NC_021161.1	Ca_kabuli_chr02	24575682	GG	TT	1940151873
SNP_P1_27251_24575705	NC_021161.1	Ca_kabuli_chr02	24575705	TT	CC	1940151874
SNP_P1_27252_24589411	NC_021161.1	Ca_kabuli_chr02	24589411	AA	GG	1940151875
SNP_P1_27253_24596842	NC_021161.1	Ca_kabuli_chr02	24596842	CC	AA	1940151876
SNP_P1_27254_24597768	NC_021161.1	Ca_kabuli_chr02	24597768	GG	AA	1940151877
SNP_P1_27255_24597940	NC_021161.1	Ca_kabuli_chr02	24597940	GG	AA	1940151878
SNP_P1_27256_24597954	NC_021161.1	Ca_kabuli_chr02	24597954	AA	GG	1940151879
SNP_P1_27257_24598012	NC_021161.1	Ca_kabuli_chr02	24598012	GG	AA	1940151880
SNP_P1_27258_24600444	NC_021161.1	Ca_kabuli_chr02	24600444	CC	AA	1940151881
SNP_P1_27259_24625421	NC_021161.1	Ca_kabuli_chr02	24625421	GG	AA	1940151883
SNP_P1_27260_24632324	NC_021161.1	Ca_kabuli_chr02	24632324	TT	CC	1940151884
SNP_P1_27261_24640336	NC_021161.1	Ca_kabuli_chr02	24640336	CC	AA	1940151885
SNP_P1_27263_24664141	NC_021161.1	Ca_kabuli_chr02	24664141	GG	AA	1940151886
SNP_P1_27264_24667605	NC_021161.1	Ca_kabuli_chr02	24667605	TT	CC	1940151887
SNP_P1_27265_24709295	NC_021161.1	Ca_kabuli_chr02	24709295	AA	GG	1940151888
SNP_P1_27266_24724528	NC_021161.1	Ca_kabuli_chr02	24724528	GG	TT	1940151889
SNP_P1_27268_24753817	NC_021161.1	Ca_kabuli_chr02	24753817	GG	AA	1940151890
SNP_P1_27269_24756400	NC_021161.1	Ca_kabuli_chr02	24756400	TT	AA	1940151891
SNP_P1_27270_24774476	NC_021161.1	Ca_kabuli_chr02	24774476	AA	GG	1940151892
SNP_P1_27271_24774481	NC_021161.1	Ca_kabuli_chr02	24774481	TT	AA	1940151893
SNP_P1_27272_24774482	NC_021161.1	Ca_kabuli_chr02	24774482	GG	TT	1940151894
SNP_P1_27273_24774487	NC_021161.1	Ca_kabuli_chr02	24774487	CC	TT	1940151895
SNP_P1_27274_24774493	NC_021161.1	Ca_kabuli_chr02	24774493	GG	TT	1940151896
SNP_P1_27275_24774499	NC_021161.1	Ca_kabuli_chr02	24774499	TT	CC	1940151897
SNP_P1_27276_24774596	NC_021161.1	Ca_kabuli_chr02	24774596	TT	GG	1940151898
SNP_P1_27277_24774604	NC_021161.1	Ca_kabuli_chr02	24774604	TT	CC	1940151899
SNP_P1_27278_24774612	NC_021161.1	Ca_kabuli_chr02	24774612	AA	GG	1940151900
SNP_P1_27279_24774613	NC_021161.1	Ca_kabuli_chr02	24774613	TT	CC	1940151901
SNP_P1_27280_24774622	NC_021161.1	Ca_kabuli_chr02	24774622	TT	CC	1940151902
SNP_P1_27281_24777707	NC_021161.1	Ca_kabuli_chr02	24777707	TT	CC	1940151903
SNP_P1_27283_24816992	NC_021161.1	Ca_kabuli_chr02	24816992	TT	AA	1940151904
SNP_P1_27284_24816999	NC_021161.1	Ca_kabuli_chr02	24816999	TT	GG	1940151905
SNP_P1_27285_24818302	NC_021161.1	Ca_kabuli_chr02	24818302	GG	CC	1940151906
SNP_P1_27286_24818309	NC_021161.1	Ca_kabuli_chr02	24818309	AA	GG	1940151907
SNP_P1_27287_24818341	NC_021161.1	Ca_kabuli_chr02	24818341	GG	AA	1940151908
SNP_P1_27288_24818354	NC_021161.1	Ca_kabuli_chr02	24818354	TT	GG	1940151909

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27290_24818667	NC_021161.1	Ca_kabuli_chr02	24818667	GG	AA	1940151911
SNP_P1_27291_24856355	NC_021161.1	Ca_kabuli_chr02	24856355	TT	CC	1940151912
SNP_P1_27292_24882322	NC_021161.1	Ca_kabuli_chr02	24882322	CC	GG	1940151913
SNP_P1_27293_24892976	NC_021161.1	Ca_kabuli_chr02	24892976	TT	GG	1940151915
SNP_P1_27294_24893923	NC_021161.1	Ca_kabuli_chr02	24893923	CC	AA	1940151916
SNP_P1_27295_24893995	NC_021161.1	Ca_kabuli_chr02	24893995	TT	CC	1940151917
SNP_P1_27296_24893998	NC_021161.1	Ca_kabuli_chr02	24893998	TT	CC	1940151918
SNP_P1_27297_24894023	NC_021161.1	Ca_kabuli_chr02	24894023	TT	GG	1940151919
SNP_P1_27298_24894039	NC_021161.1	Ca_kabuli_chr02	24894039	TT	CC	1940151920
SNP_P1_27299_24894055	NC_021161.1	Ca_kabuli_chr02	24894055	AA	GG	1940151921
SNP_P1_27300_24894092	NC_021161.1	Ca_kabuli_chr02	24894092	TT	AA	1940151922
SNP_P1_27301_24894093	NC_021161.1	Ca_kabuli_chr02	24894093	AA	GG	1940151923
SNP_P1_27302_24894104	NC_021161.1	Ca_kabuli_chr02	24894104	CC	GG	1940151924
SNP_P1_27303_24894105	NC_021161.1	Ca_kabuli_chr02	24894105	TT	AA	1940151925
SNP_P1_27304_24894115	NC_021161.1	Ca_kabuli_chr02	24894115	AA	GG	1940151926
SNP_P1_27305_24894128	NC_021161.1	Ca_kabuli_chr02	24894128	GG	AA	1940151927
SNP_P1_27306_24894181	NC_021161.1	Ca_kabuli_chr02	24894181	TT	CC	1940151928
SNP_P1_27307_24902618	NC_021161.1	Ca_kabuli_chr02	24902618	AA	TT	1940151929
SNP_P1_27308_24902992	NC_021161.1	Ca_kabuli_chr02	24902992	TT	CC	1940151930
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SNP_P1_27312_24940499	NC_021161.1	Ca_kabuli_chr02	24940499	TT	GG	1940151934
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SNP_P1_27318_24940736	NC_021161.1	Ca_kabuli_chr02	24940736	AA	GG	1940151939
SNP_P1_27319_24940756	NC_021161.1	Ca_kabuli_chr02	24940756	CC	TT	1940151940
SNP_P1_27320_24941180	NC_021161.1	Ca_kabuli_chr02	24941180	CC	TT	1940151941
SNP_P1_27321_24941234	NC_021161.1	Ca_kabuli_chr02	24941234	AA	TT	1940151942
SNP_P1_27322_24941241	NC_021161.1	Ca_kabuli_chr02	24941241	TT	CC	1940151943
SNP_P1_27323_24941293	NC_021161.1	Ca_kabuli_chr02	24941293	TT	AA	1940151944
SNP_P1_27324_24941320	NC_021161.1	Ca_kabuli_chr02	24941320	CC	TT	1940151945
SNP_P1_27325_24941323	NC_021161.1	Ca_kabuli_chr02	24941323	GG	TT	1940151946
SNP_P1_27327_24943018	NC_021161.1	Ca_kabuli_chr02	24943018	TT	GG	1940151948
SNP_P1_27328_24943056	NC_021161.1	Ca_kabuli_chr02	24943056	GG	TT	1940151949
SNP_P1_27329_24943092	NC_021161.1	Ca_kabuli_chr02	24943092	AA	GG	1940151950
SNP_P1_27330_24943095	NC_021161.1	Ca_kabuli_chr02	24943095	CC	TT	1940151951
SNP_P1_27331_24943150	NC_021161.1	Ca_kabuli_chr02	24943150	CC	GG	1940151952
SNP_P1_27332_24943153	NC_021161.1	Ca_kabuli_chr02	24943153	AA	GG	1940151953

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27335_24943435	NC_021161.1	Ca_kabuli_chr02	24943435	TT	CC	1940151955
SNP_P1_27336_24943497	NC_021161.1	Ca_kabuli_chr02	24943497	AA	GG	1940151956
SNP_P1_27337_24947810	NC_021161.1	Ca_kabuli_chr02	24947810	CC	TT	1940151957
SNP_P1_27338_24947830	NC_021161.1	Ca_kabuli_chr02	24947830	CC	TT	1940151958
SNP_P1_27339_24947843	NC_021161.1	Ca_kabuli_chr02	24947843	TT	AA	1940151959
SNP_P1_27340_24947844	NC_021161.1	Ca_kabuli_chr02	24947844	GG	AA	1940151960
SNP_P1_27341_24947849	NC_021161.1	Ca_kabuli_chr02	24947849	GG	AA	1940151961
SNP_P1_27342_24947882	NC_021161.1	Ca_kabuli_chr02	24947882	CC	TT	1940151962
SNP_P1_27343_24947934	NC_021161.1	Ca_kabuli_chr02	24947934	GG	AA	1940151963
SNP_P1_27344_24947977	NC_021161.1	Ca_kabuli_chr02	24947977	CC	TT	1940151964
SNP_P1_27345_24948010	NC_021161.1	Ca_kabuli_chr02	24948010	AA	GG	1940151965
SNP_P1_27346_24948150	NC_021161.1	Ca_kabuli_chr02	24948150	AA	GG	1940151966
SNP_P1_27348_24948234	NC_021161.1	Ca_kabuli_chr02	24948234	GG	AA	1940151967
SNP_P1_27349_24948266	NC_021161.1	Ca_kabuli_chr02	24948266	TT	CC	1940151968
SNP_P1_27351_24948285	NC_021161.1	Ca_kabuli_chr02	24948285	TT	CC	1940151969
SNP_P1_27352_24948318	NC_021161.1	Ca_kabuli_chr02	24948318	CC	TT	1940151970
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SNP_P1_27355_24968984	NC_021161.1	Ca_kabuli_chr02	24968984	AA	GG	1940151973
SNP_P1_27356_24969062	NC_021161.1	Ca_kabuli_chr02	24969062	TT	CC	1940151974
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SNP_P1_27359_24969123	NC_021161.1	Ca_kabuli_chr02	24969123	TT	CC	1940151977
SNP_P1_27360_24969312	NC_021161.1	Ca_kabuli_chr02	24969312	CC	AA	1940151978
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SNP_P1_27362_24969413	NC_021161.1	Ca_kabuli_chr02	24969413	GG	CC	1940151981
SNP_P1_27363_24969422	NC_021161.1	Ca_kabuli_chr02	24969422	GG	AA	1940151982
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SNP_P1_27365_24983724	NC_021161.1	Ca_kabuli_chr02	24983724	AA	GG	1940151984
SNP_P1_27366_24984432	NC_021161.1	Ca_kabuli_chr02	24984432	GG	AA	1940151985
SNP_P1_27367_25025121	NC_021161.1	Ca_kabuli_chr02	25025121	CC	TT	1940151986
SNP_P1_27368_25025190	NC_021161.1	Ca_kabuli_chr02	25025190	CC	TT	1940151987
SNP_P1_27369_25025200	NC_021161.1	Ca_kabuli_chr02	25025200	CC	TT	1940151988
SNP_P1_27371_25025240	NC_021161.1	Ca_kabuli_chr02	25025240	GG	AA	1940151989
SNP_P1_27372_25025294	NC_021161.1	Ca_kabuli_chr02	25025294	CC	TT	1940151990
SNP_P1_27373_25025358	NC_021161.1	Ca_kabuli_chr02	25025358	GG	AA	1940151991
SNP_P1_27374_25058178	NC_021161.1	Ca_kabuli_chr02	25058178	TT	CC	1940151992
SNP_P1_27375_25067164	NC_021161.1	Ca_kabuli_chr02	25067164	GG	AA	1940151993
SNP_P1_27376_25067165	NC_021161.1	Ca_kabuli_chr02	25067165	AA	GG	1940151994
SNP_P1_27377_25077599	NC_021161.1	Ca_kabuli_chr02	25077599	TT	CC	1940151995
SNP_P1_27379_25136031	NC_021161.1	Ca_kabuli_chr02	25136031	CC	TT	1940151996

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27381_25141825	NC_021161.1	Ca_kabuli_chr02	25141825	TT	GG	1940151998
SNP_P1_27382_25157194	NC_021161.1	Ca_kabuli_chr02	25157194	CC	TT	1940151999
SNP_P1_27383_25157262	NC_021161.1	Ca_kabuli_chr02	25157262	AA	GG	1940152000
SNP_P1_27384_25157269	NC_021161.1	Ca_kabuli_chr02	25157269	AA	TT	1940152001
SNP_P1_27385_25157274	NC_021161.1	Ca_kabuli_chr02	25157274	TT	CC	1940152002
SNP_P1_27386_25157280	NC_021161.1	Ca_kabuli_chr02	25157280	AA	GG	1940152003
SNP_P1_27387_25157289	NC_021161.1	Ca_kabuli_chr02	25157289	TT	CC	1940152004
SNP_P1_27388_25157331	NC_021161.1	Ca_kabuli_chr02	25157331	GG	AA	1940152005
SNP_P1_27389_25157615	NC_021161.1	Ca_kabuli_chr02	25157615	AA	GG	1940152006
SNP_P1_27390_25167880	NC_021161.1	Ca_kabuli_chr02	25167880	TT	CC	1940152007
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SNP_P1_27396_25179593	NC_021161.1	Ca_kabuli_chr02	25179593	GG	AA	1940152012
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SNP_P1_27400_25224450	NC_021161.1	Ca_kabuli_chr02	25224450	CC	TT	1940152016
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SNP_P1_27410_25341939	NC_021161.1	Ca_kabuli_chr02	25341939	AA	GG	1940152025
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SNP_P1_27413_25371663	NC_021161.1	Ca_kabuli_chr02	25371663	TT	GG	1940152027
SNP_P1_27414_25396908	NC_021161.1	Ca_kabuli_chr02	25396908	CC	TT	1940152028
SNP_P1_27416_25423074	NC_021161.1	Ca_kabuli_chr02	25423074	TT	CC	1940152029
SNP_P1_27417_25426623	NC_021161.1	Ca_kabuli_chr02	25426623	AA	TT	1940152030
SNP_P1_27418_25426683	NC_021161.1	Ca_kabuli_chr02	25426683	CC	TT	1940152031
SNP_P1_27420_25435361	NC_021161.1	Ca_kabuli_chr02	25435361	TT	CC	1940152032
SNP_P1_27421_25435818	NC_021161.1	Ca_kabuli_chr02	25435818	TT	CC	1940152033
SNP_P1_27422_25445650	NC_021161.1	Ca_kabuli_chr02	25445650	TT	CC	1940152034
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SNP_P1_27425_25448422	NC_021161.1	Ca_kabuli_chr02	25448422	AA	GG	1940152037
SNP_P1_27426_25448787	NC_021161.1	Ca_kabuli_chr02	25448787	TT	CC	1940152038
SNP_P1_27427_25449668	NC_021161.1	Ca_kabuli_chr02	25449668	CC	TT	1940152039

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27430_25450924	NC_021161.1	Ca_kabuli_chr02	25450924	AA	CC	1940152042
SNP_P1_27431_25450945	NC_021161.1	Ca_kabuli_chr02	25450945	AA	CC	1940152043
SNP_P1_27432_25450977	NC_021161.1	Ca_kabuli_chr02	25450977	AA	TT	1940152044
SNP_P1_27433_25450986	NC_021161.1	Ca_kabuli_chr02	25450986	TT	CC	1940152045
SNP_P1_27434_25451015	NC_021161.1	Ca_kabuli_chr02	25451015	AA	GG	1940152046
SNP_P1_27435_25451041	NC_021161.1	Ca_kabuli_chr02	25451041	AA	GG	1940152047
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SNP_P1_27438_25451144	NC_021161.1	Ca_kabuli_chr02	25451144	AA	TT	1940152051
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SNP_P1_27443_25493895	NC_021161.1	Ca_kabuli_chr02	25493895	CC	TT	1940152056
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SNP_P1_27445_25510760	NC_021161.1	Ca_kabuli_chr02	25510760	AA	GG	1940152058
SNP_P1_27446_25510769	NC_021161.1	Ca_kabuli_chr02	25510769	AA	GG	1940152059
SNP_P1_27447_25518888	NC_021161.1	Ca_kabuli_chr02	25518888	CC	AA	1940152060
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SNP_P1_27450_25528675	NC_021161.1	Ca_kabuli_chr02	25528675	AA	GG	1940152063
SNP_P1_27451_25528937	NC_021161.1	Ca_kabuli_chr02	25528937	GG	CC	1940152064
SNP_P1_27452_25528945	NC_021161.1	Ca_kabuli_chr02	25528945	TT	GG	1940152065
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SNP_P1_27455_25529031	NC_021161.1	Ca_kabuli_chr02	25529031	TT	AA	1940152068
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SNP_P1_27457_25529052	NC_021161.1	Ca_kabuli_chr02	25529052	TT	CC	1940152070
SNP_P1_27459_25529104	NC_021161.1	Ca_kabuli_chr02	25529104	AA	CC	1940152071
SNP_P1_27460_25529130	NC_021161.1	Ca_kabuli_chr02	25529130	TT	CC	1940152072
SNP_P1_27461_25529148	NC_021161.1	Ca_kabuli_chr02	25529148	TT	CC	1940152073
SNP_P1_27462_25529216	NC_021161.1	Ca_kabuli_chr02	25529216	TT	CC	1940152075
SNP_P1_27463_25529480	NC_021161.1	Ca_kabuli_chr02	25529480	AA	GG	1940152076
SNP_P1_27464_25529527	NC_021161.1	Ca_kabuli_chr02	25529527	AA	CC	1940152077
SNP_P1_27465_25529546	NC_021161.1	Ca_kabuli_chr02	25529546	AA	TT	1940152078
SNP_P1_27466_25529552	NC_021161.1	Ca_kabuli_chr02	25529552	GG	AA	1940152079
SNP_P1_27467_25529641	NC_021161.1	Ca_kabuli_chr02	25529641	TT	GG	1940152080
SNP_P1_27468_25529643	NC_021161.1	Ca_kabuli_chr02	25529643	TT	CC	1940152081
SNP_P1_27469_25529816	NC_021161.1	Ca_kabuli_chr02	25529816	CC	TT	1940152082
SNP_P1_27470_25529824	NC_021161.1	Ca_kabuli_chr02	25529824	CC	TT	1940152083

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27473_25529914	NC_021161.1	Ca_kabuli_chr02	25529914	AA	GG	1940152085
SNP_P1_27474_25529920	NC_021161.1	Ca_kabuli_chr02	25529920	TT	GG	1940152086
SNP_P1_27475_25529937	NC_021161.1	Ca_kabuli_chr02	25529937	TT	CC	1940152087
SNP_P1_27476_25529979	NC_021161.1	Ca_kabuli_chr02	25529979	CC	TT	1940152088
SNP_P1_27477_25534719	NC_021161.1	Ca_kabuli_chr02	25534719	TT	GG	1940152089
SNP_P1_27478_25535002	NC_021161.1	Ca_kabuli_chr02	25535002	AA	GG	1940152090
SNP_P1_27480_25535135	NC_021161.1	Ca_kabuli_chr02	25535135	TT	CC	1940152091
SNP_P1_27481_25535151	NC_021161.1	Ca_kabuli_chr02	25535151	TT	CC	1940152092
SNP_P1_27482_25535154	NC_021161.1	Ca_kabuli_chr02	25535154	TT	GG	1940152093
SNP_P1_27483_25535166	NC_021161.1	Ca_kabuli_chr02	25535166	TT	CC	1940152094
SNP_P1_27484_25549663	NC_021161.1	Ca_kabuli_chr02	25549663	AA	CC	1940152095
SNP_P1_27485_25587772	NC_021161.1	Ca_kabuli_chr02	25587772	TT	CC	1940152096
SNP_P1_27486_25603355	NC_021161.1	Ca_kabuli_chr02	25603355	TT	CC	1940152097
SNP_P1_27487_25603551	NC_021161.1	Ca_kabuli_chr02	25603551	AA	GG	1940152098
SNP_P1_27488_25603558	NC_021161.1	Ca_kabuli_chr02	25603558	TT	CC	1940152099
SNP_P1_27489_25603616	NC_021161.1	Ca_kabuli_chr02	25603616	TT	GG	1940152100
SNP_P1_27490_25603899	NC_021161.1	Ca_kabuli_chr02	25603899	CC	TT	1940152101
SNP_P1_27491_25603906	NC_021161.1	Ca_kabuli_chr02	25603906	AA	TT	1940152102
SNP_P1_27492_25604012	NC_021161.1	Ca_kabuli_chr02	25604012	GG	AA	1940152103
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SNP_P1_27494_25609623	NC_021161.1	Ca_kabuli_chr02	25609623	CC	AA	1940152105
SNP_P1_27495_25609728	NC_021161.1	Ca_kabuli_chr02	25609728	AA	CC	1940152106
SNP_P1_27496_25609914	NC_021161.1	Ca_kabuli_chr02	25609914	GG	AA	1940152107
SNP_P1_27497_25609926	NC_021161.1	Ca_kabuli_chr02	25609926	CC	AA	1940152108
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SNP_P1_27500_25610105	NC_021161.1	Ca_kabuli_chr02	25610105	GG	AA	1940152111
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SNP_P1_27505_25680174	NC_021161.1	Ca_kabuli_chr02	25680174	CC	TT	1940152113
SNP_P1_27506_25680215	NC_021161.1	Ca_kabuli_chr02	25680215	AA	GG	1940152114
SNP_P1_27507_25680216	NC_021161.1	Ca_kabuli_chr02	25680216	AA	CC	1940152115
SNP_P1_27508_25680244	NC_021161.1	Ca_kabuli_chr02	25680244	AA	TT	1940152116
SNP_P1_27509_25680365	NC_021161.1	Ca_kabuli_chr02	25680365	CC	TT	1940152117
SNP_P1_27510_25680387	NC_021161.1	Ca_kabuli_chr02	25680387	TT	GG	1940152118
SNP_P1_27511_25680390	NC_021161.1	Ca_kabuli_chr02	25680390	CC	TT	1940152119
SNP_P1_27513_25680504	NC_021161.1	Ca_kabuli_chr02	25680504	AA	TT	1940152120
SNP_P1_27514_25680539	NC_021161.1	Ca_kabuli_chr02	25680539	TT	CC	1940152121
SNP_P1_27515_25680541	NC_021161.1	Ca_kabuli_chr02	25680541	TT	CC	1940152122
SNP_P1_27516_25680570	NC_021161.1	Ca_kabuli_chr02	25680570	AA	GG	1940152124
SNP_P1_27517_25680581	NC_021161.1	Ca_kabuli_chr02	25680581	CC	TT	1940152125
SNP_P1_27518_25680583	NC_021161.1	Ca_kabuli_chr02	25680583	TT	CC	1940152126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27520_25680626	NC_021161.1	Ca_kabuli_chr02	25680626	TT	CC	1940152128
SNP_P1_27521_25680641	NC_021161.1	Ca_kabuli_chr02	25680641	AA	GG	1940152129
SNP_P1_27522_25680652	NC_021161.1	Ca_kabuli_chr02	25680652	AA	TT	1940152130
SNP_P1_27523_25680654	NC_021161.1	Ca_kabuli_chr02	25680654	TT	AA	1940152131
SNP_P1_27524_25680670	NC_021161.1	Ca_kabuli_chr02	25680670	AA	GG	1940152132
SNP_P1_27525_25680688	NC_021161.1	Ca_kabuli_chr02	25680688	TT	CC	1940152133
SNP_P1_27526_25682879	NC_021161.1	Ca_kabuli_chr02	25682879	AA	GG	1940152134
SNP_P1_27527_25682898	NC_021161.1	Ca_kabuli_chr02	25682898	GG	CC	1940152135
SNP_P1_27528_25682906	NC_021161.1	Ca_kabuli_chr02	25682906	TT	CC	1940152136
SNP_P1_27529_25682946	NC_021161.1	Ca_kabuli_chr02	25682946	AA	CC	1940152137
SNP_P1_27530_25683026	NC_021161.1	Ca_kabuli_chr02	25683026	TT	CC	1940152138
SNP_P1_27531_25683047	NC_021161.1	Ca_kabuli_chr02	25683047	TT	CC	1940152139
SNP_P1_27532_25683074	NC_021161.1	Ca_kabuli_chr02	25683074	CC	TT	1940152140
SNP_P1_27533_25683303	NC_021161.1	Ca_kabuli_chr02	25683303	TT	CC	1940152141
SNP_P1_27534_25683306	NC_021161.1	Ca_kabuli_chr02	25683306	TT	CC	1940152142
SNP_P1_27535_25708432	NC_021161.1	Ca_kabuli_chr02	25708432	GG	TT	1940152143
SNP_P1_27536_25708546	NC_021161.1	Ca_kabuli_chr02	25708546	CC	TT	1940152144
SNP_P1_27537_25708789	NC_021161.1	Ca_kabuli_chr02	25708789	CC	TT	1940152145
SNP_P1_27538_25708805	NC_021161.1	Ca_kabuli_chr02	25708805	TT	CC	1940152146
SNP_P1_27539_25708835	NC_021161.1	Ca_kabuli_chr02	25708835	AA	GG	1940152147
SNP_P1_27540_25708866	NC_021161.1	Ca_kabuli_chr02	25708866	CC	TT	1940152148
SNP_P1_27541_25708961	NC_021161.1	Ca_kabuli_chr02	25708961	GG	AA	1940152149
SNP_P1_27542_25708994	NC_021161.1	Ca_kabuli_chr02	25708994	GG	CC	1940152150
SNP_P1_27543_25708995	NC_021161.1	Ca_kabuli_chr02	25708995	TT	CC	1940152151
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SNP_P1_27545_25709693	NC_021161.1	Ca_kabuli_chr02	25709693	CC	TT	1940152153
SNP_P1_27546_25709738	NC_021161.1	Ca_kabuli_chr02	25709738	TT	GG	1940152154
SNP_P1_27547_25709761	NC_021161.1	Ca_kabuli_chr02	25709761	TT	AA	1940152156
SNP_P1_27548_25709777	NC_021161.1	Ca_kabuli_chr02	25709777	AA	GG	1940152157
SNP_P1_27549_25712940	NC_021161.1	Ca_kabuli_chr02	25712940	TT	CC	1940152158
SNP_P1_27550_25712941	NC_021161.1	Ca_kabuli_chr02	25712941	CC	AA	1940152159
SNP_P1_27551_25712946	NC_021161.1	Ca_kabuli_chr02	25712946	CC	AA	1940152160
SNP_P1_27552_25712955	NC_021161.1	Ca_kabuli_chr02	25712955	AA	CC	1940152161
SNP_P1_27553_25713199	NC_021161.1	Ca_kabuli_chr02	25713199	GG	TT	1940152162
SNP_P1_27554_25713222	NC_021161.1	Ca_kabuli_chr02	25713222	GG	AA	1940152163
SNP_P1_27555_25713261	NC_021161.1	Ca_kabuli_chr02	25713261	CC	GG	1940152164
SNP_P1_27556_25713295	NC_021161.1	Ca_kabuli_chr02	25713295	AA	TT	1940152165
SNP_P1_27557_25713308	NC_021161.1	Ca_kabuli_chr02	25713308	GG	AA	1940152166
SNP_P1_27559_25727114	NC_021161.1	Ca_kabuli_chr02	25727114	GG	AA	1940152167
SNP_P1_27560_25731244	NC_021161.1	Ca_kabuli_chr02	25731244	GG	CC	1940152168
SNP_P1_27561_25732058	NC_021161.1	Ca_kabuli_chr02	25732058	AA	GG	1940152169

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27563_25744450	NC_021161.1	Ca_kabuli_chr02	25744450	AA	GG	1940152171
SNP_P1_27564_25744630	NC_021161.1	Ca_kabuli_chr02	25744630	AA	GG	1940152172
SNP_P1_27565_25746865	NC_021161.1	Ca_kabuli_chr02	25746865	AA	TT	1940152173
SNP_P1_27566_25746866	NC_021161.1	Ca_kabuli_chr02	25746866	CC	TT	1940152174
SNP_P1_27567_25747162	NC_021161.1	Ca_kabuli_chr02	25747162	TT	AA	1940152175
SNP_P1_27568_25747193	NC_021161.1	Ca_kabuli_chr02	25747193	CC	TT	1940152176
SNP_P1_27569_25747411	NC_021161.1	Ca_kabuli_chr02	25747411	AA	GG	1940152177
SNP_P1_27570_25754595	NC_021161.1	Ca_kabuli_chr02	25754595	TT	CC	1940152178
SNP_P1_27571_25758569	NC_021161.1	Ca_kabuli_chr02	25758569	CC	TT	1940152179
SNP_P1_27572_25767696	NC_021161.1	Ca_kabuli_chr02	25767696	GG	AA	1940152180
SNP_P1_27574_25768005	NC_021161.1	Ca_kabuli_chr02	25768005	CC	GG	1940152181
SNP_P1_27575_25768036	NC_021161.1	Ca_kabuli_chr02	25768036	TT	GG	1940152182
SNP_P1_27576_25789637	NC_021161.1	Ca_kabuli_chr02	25789637	GG	AA	1940152183
SNP_P1_27579_25804467	NC_021161.1	Ca_kabuli_chr02	25804467	GG	AA	1940152184
SNP_P1_27581_25812616	NC_021161.1	Ca_kabuli_chr02	25812616	TT	CC	1940152185
SNP_P1_27582_25812785	NC_021161.1	Ca_kabuli_chr02	25812785	GG	CC	1940152186
SNP_P1_27583_25835033	NC_021161.1	Ca_kabuli_chr02	25835033	CC	TT	1940152187
SNP_P1_27584_25842083	NC_021161.1	Ca_kabuli_chr02	25842083	GG	AA	1940152188
SNP_P1_27586_25847680	NC_021161.1	Ca_kabuli_chr02	25847680	TT	AA	1940152189
SNP_P1_27587_25878271	NC_021161.1	Ca_kabuli_chr02	25878271	TT	CC	1940152190
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SNP_P1_27589_25927901	NC_021161.1	Ca_kabuli_chr02	25927901	AA	CC	1940152192
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SNP_P1_27592_25962244	NC_021161.1	Ca_kabuli_chr02	25962244	GG	TT	1940152196
SNP_P1_27593_25991950	NC_021161.1	Ca_kabuli_chr02	25991950	GG	CC	1940152197
SNP_P1_27594_25999002	NC_021161.1	Ca_kabuli_chr02	25999002	AA	TT	1940152198
SNP_P1_27595_25999821	NC_021161.1	Ca_kabuli_chr02	25999821	TT	GG	1940152199
SNP_P1_27596_26022122	NC_021161.1	Ca_kabuli_chr02	26022122	TT	AA	1940152200
SNP_P1_27597_26101734	NC_021161.1	Ca_kabuli_chr02	26101734	TT	AA	1940152201
SNP_P1_27599_26112694	NC_021161.1	Ca_kabuli_chr02	26112694	AA	CC	1940152202
SNP_P1_27600_26112697	NC_021161.1	Ca_kabuli_chr02	26112697	AA	CC	1940152203
SNP_P1_27602_26416126	NC_021161.1	Ca_kabuli_chr02	26416126	GG	AA	1940152204
SNP_P1_27603_26426885	NC_021161.1	Ca_kabuli_chr02	26426885	AA	TT	1940152205
SNP_P1_27604_26438582	NC_021161.1	Ca_kabuli_chr02	26438582	TT	GG	1940152206
SNP_P1_27605_26438856	NC_021161.1	Ca_kabuli_chr02	26438856	AA	GG	1940152207
SNP_P1_27606_26446488	NC_021161.1	Ca_kabuli_chr02	26446488	CC	TT	1940152208
SNP_P1_27607_26448592	NC_021161.1	Ca_kabuli_chr02	26448592	AA	GG	1940152209
SNP_P1_27608_26448599	NC_021161.1	Ca_kabuli_chr02	26448599	AA	GG	1940152210
SNP_P1_27609_26449543	NC_021161.1	Ca_kabuli_chr02	26449543	GG	AA	1940152211
SNP_P1_27610_26449547	NC_021161.1	Ca_kabuli_chr02	26449547	AA	TT	1940152212

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27612_26452106	NC_021161.1	Ca_kabuli_chr02	26452106	GG	AA	1940152214
SNP_P1_27613_26457480	NC_021161.1	Ca_kabuli_chr02	26457480	AA	GG	1940152215
SNP_P1_27614_26459501	NC_021161.1	Ca_kabuli_chr02	26459501	CC	AA	1940152216
SNP_P1_27615_26459502	NC_021161.1	Ca_kabuli_chr02	26459502	TT	GG	1940152217
SNP_P1_27616_26470959	NC_021161.1	Ca_kabuli_chr02	26470959	AA	CC	1940152218
SNP_P1_27617_26480423	NC_021161.1	Ca_kabuli_chr02	26480423	CC	AA	1940152219
SNP_P1_27618_26480444	NC_021161.1	Ca_kabuli_chr02	26480444	TT	AA	1940152220
SNP_P1_27619_26488078	NC_021161.1	Ca_kabuli_chr02	26488078	CC	AA	1940152221
SNP_P1_27620_26488177	NC_021161.1	Ca_kabuli_chr02	26488177	AA	GG	1940152222
SNP_P1_27621_26488211	NC_021161.1	Ca_kabuli_chr02	26488211	CC	TT	1940152223
SNP_P1_27622_26488224	NC_021161.1	Ca_kabuli_chr02	26488224	GG	TT	1940152224
SNP_P1_27623_26488284	NC_021161.1	Ca_kabuli_chr02	26488284	TT	AA	1940152225
SNP_P1_27624_26488307	NC_021161.1	Ca_kabuli_chr02	26488307	CC	TT	1940152226
SNP_P1_27625_26488330	NC_021161.1	Ca_kabuli_chr02	26488330	GG	AA	1940152227
SNP_P1_27626_26488361	NC_021161.1	Ca_kabuli_chr02	26488361	AA	GG	1940152228
SNP_P1_27627_26488372	NC_021161.1	Ca_kabuli_chr02	26488372	AA	GG	1940152229
SNP_P1_27628_26488397	NC_021161.1	Ca_kabuli_chr02	26488397	AA	CC	1940152230
SNP_P1_27629_26488443	NC_021161.1	Ca_kabuli_chr02	26488443	AA	TT	1940152231
SNP_P1_27630_26488445	NC_021161.1	Ca_kabuli_chr02	26488445	AA	TT	1940152233
SNP_P1_27631_26488454	NC_021161.1	Ca_kabuli_chr02	26488454	AA	GG	1940152234
SNP_P1_27632_26488465	NC_021161.1	Ca_kabuli_chr02	26488465	CC	TT	1940152235
SNP_P1_27633_26488649	NC_021161.1	Ca_kabuli_chr02	26488649	GG	AA	1940152236
SNP_P1_27634_26492674	NC_021161.1	Ca_kabuli_chr02	26492674	TT	CC	1940152237
SNP_P1_27636_26504149	NC_021161.1	Ca_kabuli_chr02	26504149	AA	GG	1940152238
SNP_P1_27638_26504510	NC_021161.1	Ca_kabuli_chr02	26504510	TT	CC	1940152239
SNP_P1_27639_26504558	NC_021161.1	Ca_kabuli_chr02	26504558	AA	GG	1940152240
SNP_P1_27641_26520575	NC_021161.1	Ca_kabuli_chr02	26520575	CC	TT	1940152241
SNP_P1_27643_26566187	NC_021161.1	Ca_kabuli_chr02	26566187	TT	AA	1940152242
SNP_P1_27645_26577979	NC_021161.1	Ca_kabuli_chr02	26577979	TT	GG	1940152243
SNP_P1_27646_26594413	NC_021161.1	Ca_kabuli_chr02	26594413	TT	CC	1940152244
SNP_P1_27647_26641494	NC_021161.1	Ca_kabuli_chr02	26641494	AA	CC	1940152245
SNP_P1_27648_26641498	NC_021161.1	Ca_kabuli_chr02	26641498	CC	TT	1940152246
SNP_P1_27649_26661349	NC_021161.1	Ca_kabuli_chr02	26661349	AA	TT	1940152247
SNP_P1_27651_26705771	NC_021161.1	Ca_kabuli_chr02	26705771	GG	AA	1940152248
SNP_P1_27652_26706782	NC_021161.1	Ca_kabuli_chr02	26706782	AA	GG	1940152249
SNP_P1_27653_26710807	NC_021161.1	Ca_kabuli_chr02	26710807	GG	AA	1940152250
SNP_P1_27655_26716009	NC_021161.1	Ca_kabuli_chr02	26716009	TT	CC	1940152251
SNP_P1_27656_26716012	NC_021161.1	Ca_kabuli_chr02	26716012	GG	TT	1940152252
SNP_P1_27658_26716101	NC_021161.1	Ca_kabuli_chr02	26716101	CC	TT	1940152253
SNP_P1_27659_26772330	NC_021161.1	Ca_kabuli_chr02	26772330	TT	AA	1940152254
SNP_P1_27660_26777540	NC_021161.1	Ca_kabuli_chr02	26777540	CC	TT	1940152255

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27662_26811211	NC_021161.1	Ca_kabuli_chr02	26811211	CC	TT	1940152257
SNP_P1_27664_26842830	NC_021161.1	Ca_kabuli_chr02	26842830	GG	TT	1940152258
SNP_P1_27665_26856381	NC_021161.1	Ca_kabuli_chr02	26856381	AA	TT	1940152259
SNP_P1_27666_26893007	NC_021161.1	Ca_kabuli_chr02	26893007	AA	GG	1940152260
SNP_P1_27667_26908899	NC_021161.1	Ca_kabuli_chr02	26908899	TT	CC	1940152261
SNP_P1_27668_26909279	NC_021161.1	Ca_kabuli_chr02	26909279	GG	TT	1940152262
SNP_P1_27669_26909527	NC_021161.1	Ca_kabuli_chr02	26909527	TT	CC	1940152263
SNP_P1_27670_26909733	NC_021161.1	Ca_kabuli_chr02	26909733	AA	GG	1940152264
SNP_P1_27671_26909837	NC_021161.1	Ca_kabuli_chr02	26909837	AA	GG	1940152265
SNP_P1_27672_26909867	NC_021161.1	Ca_kabuli_chr02	26909867	AA	GG	1940152266
SNP_P1_27673_26909876	NC_021161.1	Ca_kabuli_chr02	26909876	TT	CC	1940152267
SNP_P1_27674_26909886	NC_021161.1	Ca_kabuli_chr02	26909886	AA	GG	1940152268
SNP_P1_27675_26910130	NC_021161.1	Ca_kabuli_chr02	26910130	AA	GG	1940152270
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SNP_P1_27677_26910244	NC_021161.1	Ca_kabuli_chr02	26910244	AA	GG	1940152272
SNP_P1_27679_26925135	NC_021161.1	Ca_kabuli_chr02	26925135	CC	TT	1940152273
SNP_P1_27680_26925493	NC_021161.1	Ca_kabuli_chr02	26925493	TT	CC	1940152274
SNP_P1_27681_26925494	NC_021161.1	Ca_kabuli_chr02	26925494	AA	GG	1940152275
SNP_P1_27682_26925509	NC_021161.1	Ca_kabuli_chr02	26925509	TT	CC	1940152276
SNP_P1_27683_26925586	NC_021161.1	Ca_kabuli_chr02	26925586	TT	CC	1940152277
SNP_P1_27684_26925591	NC_021161.1	Ca_kabuli_chr02	26925591	CC	TT	1940152278
SNP_P1_27685_26925592	NC_021161.1	Ca_kabuli_chr02	26925592	CC	TT	1940152279
SNP_P1_27686_26925599	NC_021161.1	Ca_kabuli_chr02	26925599	TT	AA	1940152280
SNP_P1_27687_26925601	NC_021161.1	Ca_kabuli_chr02	26925601	TT	AA	1940152281
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SNP_P1_27690_26937004	NC_021161.1	Ca_kabuli_chr02	26937004	CC	GG	1940152284
SNP_P1_27691_26940042	NC_021161.1	Ca_kabuli_chr02	26940042	TT	CC	1940152285
SNP_P1_27692_26940527	NC_021161.1	Ca_kabuli_chr02	26940527	CC	TT	1940152286
SNP_P1_27693_26940802	NC_021161.1	Ca_kabuli_chr02	26940802	GG	TT	1940152287
SNP_P1_27694_26940828	NC_021161.1	Ca_kabuli_chr02	26940828	AA	GG	1940152288
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SNP_P1_27696_27002549	NC_021161.1	Ca_kabuli_chr02	27002549	CC	TT	1940152290
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SNP_P1_27698_27020891	NC_021161.1	Ca_kabuli_chr02	27020891	AA	TT	1940152292
SNP_P1_27699_27023525	NC_021161.1	Ca_kabuli_chr02	27023525	TT	CC	1940152293
SNP_P1_27700_27027081	NC_021161.1	Ca_kabuli_chr02	27027081	TT	AA	1940152294
SNP_P1_27701_27028215	NC_021161.1	Ca_kabuli_chr02	27028215	CC	TT	1940152295
SNP_P1_27702_27042801	NC_021161.1	Ca_kabuli_chr02	27042801	GG	TT	1940152296
SNP_P1_27703_27050790	NC_021161.1	Ca_kabuli_chr02	27050790	TT	CC	1940152297
SNP_P1_27704_27053456	NC_021161.1	Ca_kabuli_chr02	27053456	TT	CC	1940152298

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27707_27064885	NC_021161.1	Ca_kabuli_chr02	27064885	CC	TT	1940152301
SNP_P1_27708_27095424	NC_021161.1	Ca_kabuli_chr02	27095424	TT	CC	1940152302
SNP_P1_27709_27130308	NC_021161.1	Ca_kabuli_chr02	27130308	AA	GG	1940152303
SNP_P1_27710_27135083	NC_021161.1	Ca_kabuli_chr02	27135083	TT	CC	1940152305
SNP_P1_27711_27135190	NC_021161.1	Ca_kabuli_chr02	27135190	TT	CC	1940152306
SNP_P1_27712_27135245	NC_021161.1	Ca_kabuli_chr02	27135245	TT	CC	1940152307
SNP_P1_27713_27137088	NC_021161.1	Ca_kabuli_chr02	27137088	GG	AA	1940152308
SNP_P1_27714_27137386	NC_021161.1	Ca_kabuli_chr02	27137386	GG	AA	1940152309
SNP_P1_27715_27140068	NC_021161.1	Ca_kabuli_chr02	27140068	CC	TT	1940152310
SNP_P1_27716_27141371	NC_021161.1	Ca_kabuli_chr02	27141371	CC	TT	1940152311
SNP_P1_27717_27141395	NC_021161.1	Ca_kabuli_chr02	27141395	AA	GG	1940152312
SNP_P1_27719_27156748	NC_021161.1	Ca_kabuli_chr02	27156748	GG	TT	1940152313
SNP_P1_27720_27192365	NC_021161.1	Ca_kabuli_chr02	27192365	AA	TT	1940152314
SNP_P1_27721_27192465	NC_021161.1	Ca_kabuli_chr02	27192465	GG	AA	1940152315
SNP_P1_27722_27192688	NC_021161.1	Ca_kabuli_chr02	27192688	GG	AA	1940152316
SNP_P1_27723_27192697	NC_021161.1	Ca_kabuli_chr02	27192697	GG	AA	1940152317
SNP_P1_27724_27192707	NC_021161.1	Ca_kabuli_chr02	27192707	CC	TT	1940152318
SNP_P1_27725_27192751	NC_021161.1	Ca_kabuli_chr02	27192751	CC	TT	1940152319
SNP_P1_27726_27192757	NC_021161.1	Ca_kabuli_chr02	27192757	AA	GG	1940152320
SNP_P1_27727_27192778	NC_021161.1	Ca_kabuli_chr02	27192778	AA	TT	1940152321
SNP_P1_27728_27192807	NC_021161.1	Ca_kabuli_chr02	27192807	AA	CC	1940152322
SNP_P1_27729_27192808	NC_021161.1	Ca_kabuli_chr02	27192808	GG	AA	1940152323
SNP_P1_27730_27192809	NC_021161.1	Ca_kabuli_chr02	27192809	CC	TT	1940152324
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SNP_P1_27733_27197823	NC_021161.1	Ca_kabuli_chr02	27197823	AA	TT	1940152327
SNP_P1_27734_27203215	NC_021161.1	Ca_kabuli_chr02	27203215	GG	CC	1940152328
SNP_P1_27735_27205868	NC_021161.1	Ca_kabuli_chr02	27205868	CC	AA	1940152329
SNP_P1_27736_27212645	NC_021161.1	Ca_kabuli_chr02	27212645	GG	AA	1940152330
SNP_P1_27737_27237390	NC_021161.1	Ca_kabuli_chr02	27237390	CC	TT	1940152332
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SNP_P1_27739_27242708	NC_021161.1	Ca_kabuli_chr02	27242708	CC	TT	1940152334
SNP_P1_27740_27247289	NC_021161.1	Ca_kabuli_chr02	27247289	GG	AA	1940152335
SNP_P1_27741_27251797	NC_021161.1	Ca_kabuli_chr02	27251797	GG	AA	1940152336
SNP_P1_27742_27251825	NC_021161.1	Ca_kabuli_chr02	27251825	AA	GG	1940152337
SNP_P1_27743_27254094	NC_021161.1	Ca_kabuli_chr02	27254094	AA	TT	1940152338
SNP_P1_27744_27254223	NC_021161.1	Ca_kabuli_chr02	27254223	AA	GG	1940152339
SNP_P1_27745_27254232	NC_021161.1	Ca_kabuli_chr02	27254232	AA	GG	1940152340
SNP_P1_27746_27254252	NC_021161.1	Ca_kabuli_chr02	27254252	TT	CC	1940152341
SNP_P1_27747_27254309	NC_021161.1	Ca_kabuli_chr02	27254309	CC	TT	1940152342

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27750_27254394	NC_021161.1	Ca_kabuli_chr02	27254394	TT	AA	1940152345
SNP_P1_27751_27254398	NC_021161.1	Ca_kabuli_chr02	27254398	GG	AA	1940152346
SNP_P1_27752_27261691	NC_021161.1	Ca_kabuli_chr02	27261691	TT	GG	1940152347
SNP_P1_27753_27261703	NC_021161.1	Ca_kabuli_chr02	27261703	TT	AA	1940152348
SNP_P1_27755_27278091	NC_021161.1	Ca_kabuli_chr02	27278091	CC	TT	1940152349
SNP_P1_27756_27280144	NC_021161.1	Ca_kabuli_chr02	27280144	AA	TT	1940152350
SNP_P1_27757_27304022	NC_021161.1	Ca_kabuli_chr02	27304022	AA	GG	1940152351
SNP_P1_27758_27313644	NC_021161.1	Ca_kabuli_chr02	27313644	GG	AA	1940152352
SNP_P1_27759_27313858	NC_021161.1	Ca_kabuli_chr02	27313858	TT	CC	1940152353
SNP_P1_27760_27323386	NC_021161.1	Ca_kabuli_chr02	27323386	CC	TT	1940152354
SNP_P1_27761_27342878	NC_021161.1	Ca_kabuli_chr02	27342878	CC	TT	1940152355
SNP_P1_27763_27348121	NC_021161.1	Ca_kabuli_chr02	27348121	TT	CC	1940152356
SNP_P1_27765_27388821	NC_021161.1	Ca_kabuli_chr02	27388821	AA	GG	1940152357
SNP_P1_27770_27411076	NC_021161.1	Ca_kabuli_chr02	27411076	TT	AA	1940152358
SNP_P1_27771_27412849	NC_021161.1	Ca_kabuli_chr02	27412849	GG	CC	1940152359
SNP_P1_27772_27414706	NC_021161.1	Ca_kabuli_chr02	27414706	GG	AA	1940152360
SNP_P1_27774_27428638	NC_021161.1	Ca_kabuli_chr02	27428638	CC	TT	1940152361
SNP_P1_27775_27428694	NC_021161.1	Ca_kabuli_chr02	27428694	TT	CC	1940152362
SNP_P1_27776_27433002	NC_021161.1	Ca_kabuli_chr02	27433002	TT	GG	1940152364
SNP_P1_27777_27433005	NC_021161.1	Ca_kabuli_chr02	27433005	CC	TT	1940152365
SNP_P1_27778_27436234	NC_021161.1	Ca_kabuli_chr02	27436234	TT	CC	1940152366
SNP_P1_27780_27455767	NC_021161.1	Ca_kabuli_chr02	27455767	CC	AA	1940152367
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SNP_P1_27784_27482476	NC_021161.1	Ca_kabuli_chr02	27482476	TT	CC	1940152370
SNP_P1_27785_27485373	NC_021161.1	Ca_kabuli_chr02	27485373	CC	TT	1940152371
SNP_P1_27786_27485376	NC_021161.1	Ca_kabuli_chr02	27485376	TT	CC	1940152372
SNP_P1_27787_27491694	NC_021161.1	Ca_kabuli_chr02	27491694	AA	GG	1940152373
SNP_P1_27788_27491695	NC_021161.1	Ca_kabuli_chr02	27491695	AA	GG	1940152374
SNP_P1_27789_27491742	NC_021161.1	Ca_kabuli_chr02	27491742	AA	TT	1940152375
SNP_P1_27790_27503368	NC_021161.1	Ca_kabuli_chr02	27503368	TT	CC	1940152376
SNP_P1_27791_27509627	NC_021161.1	Ca_kabuli_chr02	27509627	CC	TT	1940152377
SNP_P1_27792_27509671	NC_021161.1	Ca_kabuli_chr02	27509671	GG	TT	1940152378
SNP_P1_27793_27511212	NC_021161.1	Ca_kabuli_chr02	27511212	TT	GG	1940152379
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SNP_P1_27796_27528183	NC_021161.1	Ca_kabuli_chr02	27528183	AA	GG	1940152382
SNP_P1_27797_27528290	NC_021161.1	Ca_kabuli_chr02	27528290	AA	CC	1940152383
SNP_P1_27798_27528298	NC_021161.1	Ca_kabuli_chr02	27528298	AA	GG	1940152384
SNP_P1_27799_27528421	NC_021161.1	Ca_kabuli_chr02	27528421	TT	AA	1940152385

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27801_27528463	NC_021161.1	Ca_kabuli_chr02	27528463	TT	CC	1940152387
SNP_P1_27802_27528474	NC_021161.1	Ca_kabuli_chr02	27528474	AA	GG	1940152388
SNP_P1_27803_27528479	NC_021161.1	Ca_kabuli_chr02	27528479	TT	CC	1940152389
SNP_P1_27804_27528487	NC_021161.1	Ca_kabuli_chr02	27528487	AA	TT	1940152390
SNP_P1_27805_27528525	NC_021161.1	Ca_kabuli_chr02	27528525	CC	AA	1940152391
SNP_P1_27806_27528562	NC_021161.1	Ca_kabuli_chr02	27528562	TT	CC	1940152392
SNP_P1_27807_27528563	NC_021161.1	Ca_kabuli_chr02	27528563	AA	GG	1940152393
SNP_P1_27808_27528579	NC_021161.1	Ca_kabuli_chr02	27528579	TT	AA	1940152394
SNP_P1_27809_27531571	NC_021161.1	Ca_kabuli_chr02	27531571	GG	AA	1940152395
SNP_P1_27810_27532447	NC_021161.1	Ca_kabuli_chr02	27532447	CC	TT	1940152396
SNP_P1_27812_27539342	NC_021161.1	Ca_kabuli_chr02	27539342	TT	AA	1940152397
SNP_P1_27813_27539447	NC_021161.1	Ca_kabuli_chr02	27539447	AA	TT	1940152399
SNP_P1_27814_27539570	NC_021161.1	Ca_kabuli_chr02	27539570	CC	AA	1940152400
SNP_P1_27815_27539605	NC_021161.1	Ca_kabuli_chr02	27539605	TT	CC	1940152401
SNP_P1_27816_27539799	NC_021161.1	Ca_kabuli_chr02	27539799	GG	AA	1940152402
SNP_P1_27817_27539851	NC_021161.1	Ca_kabuli_chr02	27539851	CC	TT	1940152403
SNP_P1_27818_27539859	NC_021161.1	Ca_kabuli_chr02	27539859	GG	AA	1940152404
SNP_P1_27819_27539976	NC_021161.1	Ca_kabuli_chr02	27539976	TT	CC	1940152405
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SNP_P1_27824_27551148	NC_021161.1	Ca_kabuli_chr02	27551148	AA	GG	1940152409
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SNP_P1_27826_27556798	NC_021161.1	Ca_kabuli_chr02	27556798	TT	CC	1940152411
SNP_P1_27827_27556801	NC_021161.1	Ca_kabuli_chr02	27556801	AA	TT	1940152412
SNP_P1_27828_27559922	NC_021161.1	Ca_kabuli_chr02	27559922	CC	AA	1940152413
SNP_P1_27830_27567321	NC_021161.1	Ca_kabuli_chr02	27567321	TT	GG	1940152414
SNP_P1_27831_27592148	NC_021161.1	Ca_kabuli_chr02	27592148	GG	AA	1940152415
SNP_P1_27832_27596537	NC_021161.1	Ca_kabuli_chr02	27596537	CC	GG	1940152416
SNP_P1_27833_27609583	NC_021161.1	Ca_kabuli_chr02	27609583	TT	CC	1940152417
SNP_P1_27834_27611547	NC_021161.1	Ca_kabuli_chr02	27611547	AA	TT	1940152418
SNP_P1_27835_27611584	NC_021161.1	Ca_kabuli_chr02	27611584	GG	AA	1940152419
SNP_P1_27836_27612232	NC_021161.1	Ca_kabuli_chr02	27612232	AA	TT	1940152420
SNP_P1_27839_27632016	NC_021161.1	Ca_kabuli_chr02	27632016	AA	GG	1940152421
SNP_P1_27840_27639450	NC_021161.1	Ca_kabuli_chr02	27639450	GG	AA	1940152422
SNP_P1_27841_27647448	NC_021161.1	Ca_kabuli_chr02	27647448	AA	GG	1940152423
SNP_P1_27842_27647823	NC_021161.1	Ca_kabuli_chr02	27647823	AA	GG	1940152424
SNP_P1_27843_27647856	NC_021161.1	Ca_kabuli_chr02	27647856	TT	CC	1940152425
SNP_P1_27844_27647936	NC_021161.1	Ca_kabuli_chr02	27647936	TT	CC	1940152426
SNP_P1_27846_27647971	NC_021161.1	Ca_kabuli_chr02	27647971	GG	AA	1940152427
SNP_P1_27847_27647985	NC_021161.1	Ca_kabuli_chr02	27647985	TT	CC	1940152428

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27850_27689719	NC_021161.1	Ca_kabuli_chr02	27689719	GG	TT	1940152430
SNP_P1_27853_27701351	NC_021161.1	Ca_kabuli_chr02	27701351	GG	AA	1940152431
SNP_P1_27855_27730523	NC_021161.1	Ca_kabuli_chr02	27730523	CC	TT	1940152432
SNP_P1_27857_27742973	NC_021161.1	Ca_kabuli_chr02	27742973	TT	GG	1940152433
SNP_P1_27859_27786380	NC_021161.1	Ca_kabuli_chr02	27786380	CC	TT	1940152434
SNP_P1_27861_27805999	NC_021161.1	Ca_kabuli_chr02	27805999	TT	CC	1940152435
SNP_P1_27862_27807611	NC_021161.1	Ca_kabuli_chr02	27807611	GG	AA	1940152436
SNP_P1_27863_27808198	NC_021161.1	Ca_kabuli_chr02	27808198	TT	AA	1940152437
SNP_P1_27864_27808199	NC_021161.1	Ca_kabuli_chr02	27808199	AA	CC	1940152439
SNP_P1_27865_27851009	NC_021161.1	Ca_kabuli_chr02	27851009	TT	GG	1940152440
SNP_P1_27866_27887830	NC_021161.1	Ca_kabuli_chr02	27887830	TT	CC	1940152441
SNP_P1_27867_27887836	NC_021161.1	Ca_kabuli_chr02	27887836	TT	CC	1940152442
SNP_P1_27868_27888256	NC_021161.1	Ca_kabuli_chr02	27888256	TT	CC	1940152443
SNP_P1_27869_27888325	NC_021161.1	Ca_kabuli_chr02	27888325	TT	CC	1940152444
SNP_P1_27870_27888404	NC_021161.1	Ca_kabuli_chr02	27888404	AA	CC	1940152445
SNP_P1_27871_27888412	NC_021161.1	Ca_kabuli_chr02	27888412	AA	CC	1940152446
SNP_P1_27872_27911217	NC_021161.1	Ca_kabuli_chr02	27911217	AA	CC	1940152447
SNP_P1_27873_27911218	NC_021161.1	Ca_kabuli_chr02	27911218	TT	GG	1940152448
SNP_P1_27874_27929796	NC_021161.1	Ca_kabuli_chr02	27929796	AA	CC	1940152449
SNP_P1_27875_27929807	NC_021161.1	Ca_kabuli_chr02	27929807	AA	CC	1940152450
SNP_P1_27876_27929845	NC_021161.1	Ca_kabuli_chr02	27929845	TT	CC	1940152451
SNP_P1_27877_27930201	NC_021161.1	Ca_kabuli_chr02	27930201	AA	CC	1940152452
SNP_P1_27878_27930208	NC_021161.1	Ca_kabuli_chr02	27930208	TT	CC	1940152453
SNP_P1_27879_27930241	NC_021161.1	Ca_kabuli_chr02	27930241	GG	AA	1940152454
SNP_P1_27880_27930997	NC_021161.1	Ca_kabuli_chr02	27930997	GG	AA	1940152455
SNP_P1_27881_27931780	NC_021161.1	Ca_kabuli_chr02	27931780	GG	AA	1940152456
SNP_P1_27882_27948833	NC_021161.1	Ca_kabuli_chr02	27948833	AA	CC	1940152457
SNP_P1_27883_27949231	NC_021161.1	Ca_kabuli_chr02	27949231	AA	GG	1940152458
SNP_P1_27884_27951389	NC_021161.1	Ca_kabuli_chr02	27951389	CC	TT	1940152459
SNP_P1_27885_27964916	NC_021161.1	Ca_kabuli_chr02	27964916	CC	TT	1940152460
SNP_P1_27886_27964957	NC_021161.1	Ca_kabuli_chr02	27964957	AA	GG	1940152461
SNP_P1_27887_27965072	NC_021161.1	Ca_kabuli_chr02	27965072	TT	CC	1940152462
SNP_P1_27888_27965149	NC_021161.1	Ca_kabuli_chr02	27965149	GG	CC	1940152463
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SNP_P1_27890_27965255	NC_021161.1	Ca_kabuli_chr02	27965255	GG	TT	1940152465
SNP_P1_27891_27965264	NC_021161.1	Ca_kabuli_chr02	27965264	AA	GG	1940152466
SNP_P1_27892_27965291	NC_021161.1	Ca_kabuli_chr02	27965291	TT	CC	1940152467
SNP_P1_27893_27965332	NC_021161.1	Ca_kabuli_chr02	27965332	AA	CC	1940152468
SNP_P1_27894_27965344	NC_021161.1	Ca_kabuli_chr02	27965344	CC	TT	1940152469
SNP_P1_27895_27965347	NC_021161.1	Ca_kabuli_chr02	27965347	GG	AA	1940152470
SNP_P1_27896_27965363	NC_021161.1	Ca_kabuli_chr02	27965363	TT	CC	1940152471

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27899_27965458	NC_021161.1	Ca_kabuli_chr02	27965458	GG	AA	1940152475
SNP_P1_27900_27965678	NC_021161.1	Ca_kabuli_chr02	27965678	AA	GG	1940152476
SNP_P1_27901_27965696	NC_021161.1	Ca_kabuli_chr02	27965696	TT	CC	1940152477
SNP_P1_27902_27965720	NC_021161.1	Ca_kabuli_chr02	27965720	GG	AA	1940152478
SNP_P1_27903_27965774	NC_021161.1	Ca_kabuli_chr02	27965774	GG	AA	1940152479
SNP_P1_27904_27982418	NC_021161.1	Ca_kabuli_chr02	27982418	GG	AA	1940152480
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SNP_P1_27906_28009662	NC_021161.1	Ca_kabuli_chr02	28009662	GG	TT	1940152482
SNP_P1_27907_28038040	NC_021161.1	Ca_kabuli_chr02	28038040	AA	TT	1940152483
SNP_P1_27908_28063773	NC_021161.1	Ca_kabuli_chr02	28063773	GG	AA	1940152484
SNP_P1_27910_28072686	NC_021161.1	Ca_kabuli_chr02	28072686	TT	GG	1940152485
SNP_P1_27911_28089609	NC_021161.1	Ca_kabuli_chr02	28089609	TT	CC	1940152486
SNP_P1_27912_28094355	NC_021161.1	Ca_kabuli_chr02	28094355	CC	TT	1940152487
SNP_P1_27913_28108505	NC_021161.1	Ca_kabuli_chr02	28108505	AA	GG	1940152488
SNP_P1_27914_28112683	NC_021161.1	Ca_kabuli_chr02	28112683	TT	CC	1940152489
SNP_P1_27915_28126565	NC_021161.1	Ca_kabuli_chr02	28126565	GG	AA	1940152490
SNP_P1_27916_28143723	NC_021161.1	Ca_kabuli_chr02	28143723	CC	TT	1940152491
SNP_P1_27917_28143980	NC_021161.1	Ca_kabuli_chr02	28143980	GG	AA	1940152492
SNP_P1_27918_28143997	NC_021161.1	Ca_kabuli_chr02	28143997	AA	GG	1940152493
SNP_P1_27919_28144081	NC_021161.1	Ca_kabuli_chr02	28144081	AA	GG	1940152494
SNP_P1_27920_28148586	NC_021161.1	Ca_kabuli_chr02	28148586	CC	TT	1940152495
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SNP_P1_27933_28244824	NC_021161.1	Ca_kabuli_chr02	28244824	AA	CC	1940152502
SNP_P1_27934_28246675	NC_021161.1	Ca_kabuli_chr02	28246675	TT	AA	1940152503
SNP_P1_27935_28249752	NC_021161.1	Ca_kabuli_chr02	28249752	GG	AA	1940152504
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SNP_P1_27937_28250093	NC_021161.1	Ca_kabuli_chr02	28250093	AA	TT	1940152506
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SNP_P1_27940_28252192	NC_021161.1	Ca_kabuli_chr02	28252192	CC	AA	1940152509
SNP_P1_27941_28252213	NC_021161.1	Ca_kabuli_chr02	28252213	CC	GG	1940152510
SNP_P1_27942_28252259	NC_021161.1	Ca_kabuli_chr02	28252259	TT	AA	1940152511
SNP_P1_27943_28252263	NC_021161.1	Ca_kabuli_chr02	28252263	AA	GG	1940152512
SNP_P1_27944_28252265	NC_021161.1	Ca_kabuli_chr02	28252265	AA	TT	1940152513
SNP_P1_27945_28252267	NC_021161.1	Ca_kabuli_chr02	28252267	AA	TT	1940152515

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27948_28252342	NC_021161.1	Ca_kabuli_chr02	28252342	TT	CC	1940152518
SNP_P1_27949_28252344	NC_021161.1	Ca_kabuli_chr02	28252344	CC	TT	1940152519
SNP_P1_27950_28252537	NC_021161.1	Ca_kabuli_chr02	28252537	GG	AA	1940152520
SNP_P1_27951_28252574	NC_021161.1	Ca_kabuli_chr02	28252574	TT	GG	1940152521
SNP_P1_27952_28252608	NC_021161.1	Ca_kabuli_chr02	28252608	CC	TT	1940152522
SNP_P1_27953_28252622	NC_021161.1	Ca_kabuli_chr02	28252622	CC	TT	1940152523
SNP_P1_27954_28252635	NC_021161.1	Ca_kabuli_chr02	28252635	GG	AA	1940152524
SNP_P1_27955_28252662	NC_021161.1	Ca_kabuli_chr02	28252662	AA	TT	1940152525
SNP_P1_27956_28252727	NC_021161.1	Ca_kabuli_chr02	28252727	GG	AA	1940152526
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SNP_P1_27958_28252886	NC_021161.1	Ca_kabuli_chr02	28252886	TT	AA	1940152528
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SNP_P1_27961_28253781	NC_021161.1	Ca_kabuli_chr02	28253781	CC	TT	1940152531
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SNP_P1_27966_28259710	NC_021161.1	Ca_kabuli_chr02	28259710	AA	TT	1940152536
SNP_P1_27967_28259723	NC_021161.1	Ca_kabuli_chr02	28259723	AA	TT	1940152537
SNP_P1_27968_28259766	NC_021161.1	Ca_kabuli_chr02	28259766	CC	AA	1940152538
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SNP_P1_27973_28262687	NC_021161.1	Ca_kabuli_chr02	28262687	GG	TT	1940152543
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SNP_P1_27975_28262742	NC_021161.1	Ca_kabuli_chr02	28262742	TT	CC	1940152545
SNP_P1_27976_28262743	NC_021161.1	Ca_kabuli_chr02	28262743	GG	AA	1940152546
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SNP_P1_27978_28262956	NC_021161.1	Ca_kabuli_chr02	28262956	TT	GG	1940152548
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SNP_P1_27981_28263068	NC_021161.1	Ca_kabuli_chr02	28263068	TT	GG	1940152552
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SNP_P1_27984_28263153	NC_021161.1	Ca_kabuli_chr02	28263153	TT	CC	1940152555
SNP_P1_27985_28284395	NC_021161.1	Ca_kabuli_chr02	28284395	GG	TT	1940152556
SNP_P1_27988_28338566	NC_021161.1	Ca_kabuli_chr02	28338566	CC	TT	1940152557
SNP_P1_27989_28345778	NC_021161.1	Ca_kabuli_chr02	28345778	TT	GG	1940152558

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_27991_28374881	NC_021161.1	Ca_kabuli_chr02	28374881	CC	TT	1940152560
SNP_P1_27992_28388267	NC_021161.1	Ca_kabuli_chr02	28388267	TT	CC	1940152561
SNP_P1_27993_28392565	NC_021161.1	Ca_kabuli_chr02	28392565	TT	GG	1940152562
SNP_P1_27994_28392605	NC_021161.1	Ca_kabuli_chr02	28392605	TT	CC	1940152563
SNP_P1_27995_28395901	NC_021161.1	Ca_kabuli_chr02	28395901	AA	TT	1940152564
SNP_P1_27996_28395975	NC_021161.1	Ca_kabuli_chr02	28395975	AA	GG	1940152565
SNP_P1_27997_28396018	NC_021161.1	Ca_kabuli_chr02	28396018	CC	GG	1940152566
SNP_P1_27998_28396088	NC_021161.1	Ca_kabuli_chr02	28396088	GG	AA	1940152567
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SNP_P1_28031_28498108	NC_021161.1	Ca_kabuli_chr02	28498108	AA	TT	1940152593
SNP_P1_28032_28498136	NC_021161.1	Ca_kabuli_chr02	28498136	AA	GG	1940152594
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SNP_P1_28037_28501139	NC_021161.1	Ca_kabuli_chr02	28501139	CC	TT	1940152599
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SNP_P1_28039_28501160	NC_021161.1	Ca_kabuli_chr02	28501160	GG	CC	1940152601

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28043_28512670	NC_021161.1	Ca_kabuli_chr02	28512670	AA	GG	1940152605
SNP_P1_28044_28512929	NC_021161.1	Ca_kabuli_chr02	28512929	CC	TT	1940152606
SNP_P1_28048_28569292	NC_021161.1	Ca_kabuli_chr02	28569292	GG	AA	1940152607
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SNP_P1_28050_28582427	NC_021161.1	Ca_kabuli_chr02	28582427	CC	AA	1940152609
SNP_P1_28051_28582428	NC_021161.1	Ca_kabuli_chr02	28582428	AA	GG	1940152610
SNP_P1_28054_28583249	NC_021161.1	Ca_kabuli_chr02	28583249	AA	GG	1940152611
SNP_P1_28055_28583283	NC_021161.1	Ca_kabuli_chr02	28583283	CC	TT	1940152612
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SNP_P1_28059_28604532	NC_021161.1	Ca_kabuli_chr02	28604532	AA	GG	1940152616
SNP_P1_28060_28604564	NC_021161.1	Ca_kabuli_chr02	28604564	CC	TT	1940152617
SNP_P1_28061_28606655	NC_021161.1	Ca_kabuli_chr02	28606655	CC	AA	1940152618
SNP_P1_28062_28607346	NC_021161.1	Ca_kabuli_chr02	28607346	AA	CC	1940152619
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SNP_P1_28067_28632092	NC_021161.1	Ca_kabuli_chr02	28632092	AA	TT	1940152623
SNP_P1_28068_28632168	NC_021161.1	Ca_kabuli_chr02	28632168	CC	GG	1940152624
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SNP_P1_28071_28632223	NC_021161.1	Ca_kabuli_chr02	28632223	GG	AA	1940152628
SNP_P1_28072_28662269	NC_021161.1	Ca_kabuli_chr02	28662269	AA	CC	1940152629
SNP_P1_28073_28667586	NC_021161.1	Ca_kabuli_chr02	28667586	TT	GG	1940152630
SNP_P1_28074_28667664	NC_021161.1	Ca_kabuli_chr02	28667664	AA	GG	1940152631
SNP_P1_28075_28669556	NC_021161.1	Ca_kabuli_chr02	28669556	CC	TT	1940152632
SNP_P1_28076_28669585	NC_021161.1	Ca_kabuli_chr02	28669585	TT	CC	1940152633
SNP_P1_28077_28676502	NC_021161.1	Ca_kabuli_chr02	28676502	GG	TT	1940152634
SNP_P1_28078_28678881	NC_021161.1	Ca_kabuli_chr02	28678881	TT	GG	1940152635
SNP_P1_28079_28679939	NC_021161.1	Ca_kabuli_chr02	28679939	AA	GG	1940152636
SNP_P1_28080_28695303	NC_021161.1	Ca_kabuli_chr02	28695303	TT	AA	1940152637
SNP_P1_28081_28709746	NC_021161.1	Ca_kabuli_chr02	28709746	GG	TT	1940152638
SNP_P1_28083_28710163	NC_021161.1	Ca_kabuli_chr02	28710163	AA	CC	1940152639
SNP_P1_28084_28722849	NC_021161.1	Ca_kabuli_chr02	28722849	GG	AA	1940152640
SNP_P1_28085_28723036	NC_021161.1	Ca_kabuli_chr02	28723036	GG	CC	1940152641
SNP_P1_28087_28736389	NC_021161.1	Ca_kabuli_chr02	28736389	TT	CC	1940152642
SNP_P1_28088_28740282	NC_021161.1	Ca_kabuli_chr02	28740282	TT	AA	1940152643
SNP_P1_28089_28751373	NC_021161.1	Ca_kabuli_chr02	28751373	TT	CC	1940152644

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28092_28817327	NC_021161.1	Ca_kabuli_chr02	28817327	CC	GG	1940152646
SNP_P1_28093_28817962	NC_021161.1	Ca_kabuli_chr02	28817962	CC	TT	1940152647
SNP_P1_28094_28828476	NC_021161.1	Ca_kabuli_chr02	28828476	CC	TT	1940152648
SNP_P1_28095_28832285	NC_021161.1	Ca_kabuli_chr02	28832285	TT	CC	1940152649
SNP_P1_28096_28833707	NC_021161.1	Ca_kabuli_chr02	28833707	GG	AA	1940152650
SNP_P1_28097_28833750	NC_021161.1	Ca_kabuli_chr02	28833750	TT	CC	1940152651
SNP_P1_28098_28834128	NC_021161.1	Ca_kabuli_chr02	28834128	TT	CC	1940152652
SNP_P1_28099_28861298	NC_021161.1	Ca_kabuli_chr02	28861298	TT	CC	1940152653
SNP_P1_28101_28873979	NC_021161.1	Ca_kabuli_chr02	28873979	AA	GG	1940152654
SNP_P1_28103_28889127	NC_021161.1	Ca_kabuli_chr02	28889127	AA	CC	1940152655
SNP_P1_28105_28889331	NC_021161.1	Ca_kabuli_chr02	28889331	CC	TT	1940152656
SNP_P1_28106_28889354	NC_021161.1	Ca_kabuli_chr02	28889354	TT	CC	1940152657
SNP_P1_28107_28889400	NC_021161.1	Ca_kabuli_chr02	28889400	AA	GG	1940152658
SNP_P1_28108_28889456	NC_021161.1	Ca_kabuli_chr02	28889456	TT	CC	1940152659
SNP_P1_28109_28889475	NC_021161.1	Ca_kabuli_chr02	28889475	TT	CC	1940152660
SNP_P1_28110_28889476	NC_021161.1	Ca_kabuli_chr02	28889476	CC	TT	1940152661
SNP_P1_28111_28889479	NC_021161.1	Ca_kabuli_chr02	28889479	AA	GG	1940152662
SNP_P1_28112_28889515	NC_021161.1	Ca_kabuli_chr02	28889515	GG	TT	1940152663
SNP_P1_28113_28889522	NC_021161.1	Ca_kabuli_chr02	28889522	AA	GG	1940152664
SNP_P1_28114_28889586	NC_021161.1	Ca_kabuli_chr02	28889586	GG	AA	1940152665
SNP_P1_28115_28889590	NC_021161.1	Ca_kabuli_chr02	28889590	AA	GG	1940152666
SNP_P1_28116_28889615	NC_021161.1	Ca_kabuli_chr02	28889615	AA	GG	1940152668
SNP_P1_28117_28890143	NC_021161.1	Ca_kabuli_chr02	28890143	CC	TT	1940152669
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SNP_P1_28121_28897834	NC_021161.1	Ca_kabuli_chr02	28897834	AA	TT	1940152673
SNP_P1_28122_28905075	NC_021161.1	Ca_kabuli_chr02	28905075	CC	AA	1940152674
SNP_P1_28124_28915897	NC_021161.1	Ca_kabuli_chr02	28915897	GG	AA	1940152675
SNP_P1_28125_28954760	NC_021161.1	Ca_kabuli_chr02	28954760	GG	AA	1940152676
SNP_P1_28126_28962805	NC_021161.1	Ca_kabuli_chr02	28962805	CC	TT	1940152677
SNP_P1_28127_28979907	NC_021161.1	Ca_kabuli_chr02	28979907	CC	AA	1940152678
SNP_P1_28128_28990361	NC_021161.1	Ca_kabuli_chr02	28990361	AA	TT	1940152679
SNP_P1_28129_28998614	NC_021161.1	Ca_kabuli_chr02	28998614	TT	AA	1940152680
SNP_P1_28130_29019288	NC_021161.1	Ca_kabuli_chr02	29019288	AA	GG	1940152681
SNP_P1_28131_29023371	NC_021161.1	Ca_kabuli_chr02	29023371	TT	CC	1940152682
SNP_P1_28132_29025515	NC_021161.1	Ca_kabuli_chr02	29025515	TT	AA	1940152683
SNP_P1_28134_29048429	NC_021161.1	Ca_kabuli_chr02	29048429	CC	TT	1940152684
SNP_P1_28136_29053699	NC_021161.1	Ca_kabuli_chr02	29053699	CC	TT	1940152685
SNP_P1_28137_29059832	NC_021161.1	Ca_kabuli_chr02	29059832	TT	CC	1940152686
SNP_P1_28138_29059856	NC_021161.1	Ca_kabuli_chr02	29059856	AA	GG	1940152687

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28140_29059947	NC_021161.1	Ca_kabuli_chr02	29059947	TT	AA	1940152689
SNP_P1_28141_29060081	NC_021161.1	Ca_kabuli_chr02	29060081	AA	TT	1940152690
SNP_P1_28142_29060168	NC_021161.1	Ca_kabuli_chr02	29060168	CC	TT	1940152691
SNP_P1_28143_29060172	NC_021161.1	Ca_kabuli_chr02	29060172	TT	GG	1940152692
SNP_P1_28144_29060284	NC_021161.1	Ca_kabuli_chr02	29060284	TT	GG	1940152694
SNP_P1_28145_29060325	NC_021161.1	Ca_kabuli_chr02	29060325	GG	TT	1940152695
SNP_P1_28146_29060339	NC_021161.1	Ca_kabuli_chr02	29060339	TT	AA	1940152696
SNP_P1_28147_29060396	NC_021161.1	Ca_kabuli_chr02	29060396	CC	TT	1940152697
SNP_P1_28148_29060407	NC_021161.1	Ca_kabuli_chr02	29060407	AA	TT	1940152698
SNP_P1_28149_29060422	NC_021161.1	Ca_kabuli_chr02	29060422	GG	TT	1940152699
SNP_P1_28151_29068989	NC_021161.1	Ca_kabuli_chr02	29068989	CC	TT	1940152700
SNP_P1_28152_29069016	NC_021161.1	Ca_kabuli_chr02	29069016	TT	CC	1940152701
SNP_P1_28153_29070802	NC_021161.1	Ca_kabuli_chr02	29070802	AA	CC	1940152702
SNP_P1_28154_29071105	NC_021161.1	Ca_kabuli_chr02	29071105	TT	CC	1940152703
SNP_P1_28155_29071270	NC_021161.1	Ca_kabuli_chr02	29071270	TT	CC	1940152704
SNP_P1_28156_29071303	NC_021161.1	Ca_kabuli_chr02	29071303	GG	CC	1940152705
SNP_P1_28157_29071501	NC_021161.1	Ca_kabuli_chr02	29071501	TT	GG	1940152706
SNP_P1_28158_29071573	NC_021161.1	Ca_kabuli_chr02	29071573	TT	CC	1940152707
SNP_P1_28159_29071803	NC_021161.1	Ca_kabuli_chr02	29071803	TT	CC	1940152708
SNP_P1_28161_29076668	NC_021161.1	Ca_kabuli_chr02	29076668	GG	AA	1940152709
SNP_P1_28162_29121991	NC_021161.1	Ca_kabuli_chr02	29121991	CC	TT	1940152710
SNP_P1_28163_29128863	NC_021161.1	Ca_kabuli_chr02	29128863	CC	TT	1940152711
SNP_P1_28164_29129312	NC_021161.1	Ca_kabuli_chr02	29129312	TT	AA	1940152712
SNP_P1_28165_29129316	NC_021161.1	Ca_kabuli_chr02	29129316	CC	AA	1940152713
SNP_P1_28166_29129330	NC_021161.1	Ca_kabuli_chr02	29129330	TT	GG	1940152714
SNP_P1_28167_29129342	NC_021161.1	Ca_kabuli_chr02	29129342	GG	TT	1940152715
SNP_P1_28168_29129348	NC_021161.1	Ca_kabuli_chr02	29129348	GG	AA	1940152716
SNP_P1_28169_29129366	NC_021161.1	Ca_kabuli_chr02	29129366	AA	GG	1940152717
SNP_P1_28170_29129398	NC_021161.1	Ca_kabuli_chr02	29129398	AA	TT	1940152718
SNP_P1_28171_29129407	NC_021161.1	Ca_kabuli_chr02	29129407	AA	GG	1940152719
SNP_P1_28172_29129421	NC_021161.1	Ca_kabuli_chr02	29129421	TT	AA	1940152720
SNP_P1_28173_29129441	NC_021161.1	Ca_kabuli_chr02	29129441	CC	GG	1940152722
SNP_P1_28174_29129442	NC_021161.1	Ca_kabuli_chr02	29129442	TT	AA	1940152723
SNP_P1_28175_29129774	NC_021161.1	Ca_kabuli_chr02	29129774	GG	CC	1940152724
SNP_P1_28176_29129795	NC_021161.1	Ca_kabuli_chr02	29129795	GG	TT	1940152725
SNP_P1_28177_29129820	NC_021161.1	Ca_kabuli_chr02	29129820	TT	CC	1940152726
SNP_P1_28178_29129827	NC_021161.1	Ca_kabuli_chr02	29129827	GG	AA	1940152727
SNP_P1_28179_29154924	NC_021161.1	Ca_kabuli_chr02	29154924	TT	GG	1940152728
SNP_P1_28180_29170479	NC_021161.1	Ca_kabuli_chr02	29170479	AA	GG	1940152729
SNP_P1_28183_29181246	NC_021161.1	Ca_kabuli_chr02	29181246	AA	GG	1940152730
SNP_P1_28184_29196288	NC_021161.1	Ca_kabuli_chr02	29196288	AA	TT	1940152731

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28186_29207135	NC_021161.1	Ca_kabuli_chr02	29207135	GG	AA	1940152733
SNP_P1_28187_29207144	NC_021161.1	Ca_kabuli_chr02	29207144	TT	CC	1940152734
SNP_P1_28189_29214988	NC_021161.1	Ca_kabuli_chr02	29214988	AA	GG	1940152735
SNP_P1_28191_29215192	NC_021161.1	Ca_kabuli_chr02	29215192	TT	CC	1940152736
SNP_P1_28192_29215239	NC_021161.1	Ca_kabuli_chr02	29215239	TT	CC	1940152737
SNP_P1_28193_29215379	NC_021161.1	Ca_kabuli_chr02	29215379	CC	TT	1940152738
SNP_P1_28194_29215419	NC_021161.1	Ca_kabuli_chr02	29215419	TT	CC	1940152739
SNP_P1_28195_29215424	NC_021161.1	Ca_kabuli_chr02	29215424	AA	GG	1940152740
SNP_P1_28197_29215729	NC_021161.1	Ca_kabuli_chr02	29215729	CC	TT	1940152741
SNP_P1_28198_29215730	NC_021161.1	Ca_kabuli_chr02	29215730	CC	TT	1940152742
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SNP_P1_28205_29238615	NC_021161.1	Ca_kabuli_chr02	29238615	CC	TT	1940152745
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SNP_P1_28208_29238721	NC_021161.1	Ca_kabuli_chr02	29238721	AA	TT	1940152748
SNP_P1_28209_29238778	NC_021161.1	Ca_kabuli_chr02	29238778	AA	GG	1940152749
SNP_P1_28210_29238899	NC_021161.1	Ca_kabuli_chr02	29238899	AA	GG	1940152750
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SNP_P1_28213_29239175	NC_021161.1	Ca_kabuli_chr02	29239175	AA	GG	1940152753
SNP_P1_28214_29239219	NC_021161.1	Ca_kabuli_chr02	29239219	TT	CC	1940152755
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SNP_P1_28220_29239722	NC_021161.1	Ca_kabuli_chr02	29239722	CC	TT	1940152761
SNP_P1_28221_29239727	NC_021161.1	Ca_kabuli_chr02	29239727	AA	GG	1940152762
SNP_P1_28222_29239857	NC_021161.1	Ca_kabuli_chr02	29239857	TT	CC	1940152763
SNP_P1_28223_29239937	NC_021161.1	Ca_kabuli_chr02	29239937	AA	GG	1940152764
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SNP_P1_28227_29240164	NC_021161.1	Ca_kabuli_chr02	29240164	TT	CC	1940152766
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SNP_P1_28235_29240527	NC_021161.1	Ca_kabuli_chr02	29240527	AA	GG	1940152772
SNP_P1_28236_29240641	NC_021161.1	Ca_kabuli_chr02	29240641	GG	TT	1940152773
SNP_P1_28237_29240647	NC_021161.1	Ca_kabuli_chr02	29240647	GG	AA	1940152774

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28240_29240808	NC_021161.1	Ca_kabuli_chr02	29240808	AA	TT	1940152777
SNP_P1_28241_29241002	NC_021161.1	Ca_kabuli_chr02	29241002	TT	AA	1940152778
SNP_P1_28242_29241003	NC_021161.1	Ca_kabuli_chr02	29241003	GG	TT	1940152779
SNP_P1_28244_29253002	NC_021161.1	Ca_kabuli_chr02	29253002	GG	AA	1940152780
SNP_P1_28246_29253155	NC_021161.1	Ca_kabuli_chr02	29253155	CC	TT	1940152781
SNP_P1_28247_29253430	NC_021161.1	Ca_kabuli_chr02	29253430	CC	AA	1940152782
SNP_P1_28248_29253440	NC_021161.1	Ca_kabuli_chr02	29253440	TT	GG	1940152783
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SNP_P1_28254_29278681	NC_021161.1	Ca_kabuli_chr02	29278681	GG	AA	1940152790
SNP_P1_28255_29278703	NC_021161.1	Ca_kabuli_chr02	29278703	CC	TT	1940152791
SNP_P1_28256_29278940	NC_021161.1	Ca_kabuli_chr02	29278940	TT	AA	1940152792
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SNP_P1_28258_29289263	NC_021161.1	Ca_kabuli_chr02	29289263	AA	GG	1940152794
SNP_P1_28259_29289300	NC_021161.1	Ca_kabuli_chr02	29289300	TT	CC	1940152795
SNP_P1_28260_29289547	NC_021161.1	Ca_kabuli_chr02	29289547	AA	GG	1940152796
SNP_P1_28261_29289590	NC_021161.1	Ca_kabuli_chr02	29289590	AA	GG	1940152797
SNP_P1_28262_29289685	NC_021161.1	Ca_kabuli_chr02	29289685	AA	GG	1940152798
SNP_P1_28266_29360533	NC_021161.1	Ca_kabuli_chr02	29360533	CC	AA	1940152799
SNP_P1_28267_29376896	NC_021161.1	Ca_kabuli_chr02	29376896	CC	TT	1940152800
SNP_P1_28268_29380319	NC_021161.1	Ca_kabuli_chr02	29380319	AA	TT	1940152801
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SNP_P1_28272_29409210	NC_021161.1	Ca_kabuli_chr02	29409210	TT	CC	1940152805
SNP_P1_28273_29410077	NC_021161.1	Ca_kabuli_chr02	29410077	AA	GG	1940152806
SNP_P1_28274_29412093	NC_021161.1	Ca_kabuli_chr02	29412093	AA	GG	1940152807
SNP_P1_28276_29416805	NC_021161.1	Ca_kabuli_chr02	29416805	AA	TT	1940152808
SNP_P1_28277_29416838	NC_021161.1	Ca_kabuli_chr02	29416838	AA	GG	1940152809
SNP_P1_28278_29416868	NC_021161.1	Ca_kabuli_chr02	29416868	GG	AA	1940152810
SNP_P1_28279_29417235	NC_021161.1	Ca_kabuli_chr02	29417235	GG	TT	1940152811
SNP_P1_28281_29431126	NC_021161.1	Ca_kabuli_chr02	29431126	AA	TT	1940152812
SNP_P1_28282_29431412	NC_021161.1	Ca_kabuli_chr02	29431412	TT	AA	1940152813
SNP_P1_28283_29431456	NC_021161.1	Ca_kabuli_chr02	29431456	GG	AA	1940152814
SNP_P1_28284_29444196	NC_021161.1	Ca_kabuli_chr02	29444196	AA	GG	1940152815
SNP_P1_28286_29444490	NC_021161.1	Ca_kabuli_chr02	29444490	AA	GG	1940152816
SNP_P1_28287_29444608	NC_021161.1	Ca_kabuli_chr02	29444608	AA	CC	1940152817

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_28288_29445544	NC_021161.1	Ca_kabuli_chr02	29445544	TT	CC	1940152818
SNP_P1_28289_29445547	NC_021161.1	Ca_kabuli_chr02	29445547	CC	AA	1940152819
SNP_P1_28290_29445576	NC_021161.1	Ca_kabuli_chr02	29445576	AA	TT	1940152820
SNP_P1_28291_29445605	NC_021161.1	Ca_kabuli_chr02	29445605	GG	CC	1940152821
SNP_P1_28292_29445618	NC_021161.1	Ca_kabuli_chr02	29445618	GG	CC	1940152823
SNP_P1_28294_29445770	NC_021161.1	Ca_kabuli_chr02	29445770	AA	GG	1940152824
SNP_P1_28297_29446081	NC_021161.1	Ca_kabuli_chr02	29446081	AA	GG	1940152825
SNP_P1_28298_29446159	NC_021161.1	Ca_kabuli_chr02	29446159	GG	TT	1940152826
SNP_P1_28299_29446260	NC_021161.1	Ca_kabuli_chr02	29446260	TT	CC	1940152827
SNP_P1_28300_29446261	NC_021161.1	Ca_kabuli_chr02	29446261	GG	TT	1940152828
SNP_P1_28301_29446272	NC_021161.1	Ca_kabuli_chr02	29446272	CC	AA	1940152829
SNP_P1_28302_29447633	NC_021161.1	Ca_kabuli_chr02	29447633	CC	TT	1940152830
SNP_P1_28303_29452661	NC_021161.1	Ca_kabuli_chr02	29452661	TT	GG	1940152831
SNP_P1_28304_29455002	NC_021161.1	Ca_kabuli_chr02	29455002	AA	TT	1940152832
SNP_P1_28305_29455003	NC_021161.1	Ca_kabuli_chr02	29455003	AA	GG	1940152833
SNP_P1_28306_29467236	NC_021161.1	Ca_kabuli_chr02	29467236	AA	TT	1940152834
SNP_P1_28307_29471348	NC_021161.1	Ca_kabuli_chr02	29471348	AA	TT	1940152835
SNP_P1_28308_29504254	NC_021161.1	Ca_kabuli_chr02	29504254	TT	CC	1940152836
SNP_P1_28309_29504380	NC_021161.1	Ca_kabuli_chr02	29504380	TT	GG	1940152837
SNP_P1_28310_29508846	NC_021161.1	Ca_kabuli_chr02	29508846	GG	CC	1940152838
SNP_P1_28311_29510493	NC_021161.1	Ca_kabuli_chr02	29510493	AA	CC	1940152839
SNP_P1_28312_29512132	NC_021161.1	Ca_kabuli_chr02	29512132	AA	GG	1940152840
SNP_P1_28318_29565679	NC_021161.1	Ca_kabuli_chr02	29565679	CC	AA	1940152841
SNP_P1_28319_29586375	NC_021161.1	Ca_kabuli_chr02	29586375	AA	GG	1940152842
SNP_P1_28320_29607919	NC_021161.1	Ca_kabuli_chr02	29607919	GG	AA	1940152843
SNP_P1_28322_29609575	NC_021161.1	Ca_kabuli_chr02	29609575	GG	CC	1940152844
SNP_P1_28324_29644841	NC_021161.1	Ca_kabuli_chr02	29644841	CC	TT	1940152845
SNP_P1_28325_29644848	NC_021161.1	Ca_kabuli_chr02	29644848	AA	TT	1940152846
SNP_P1_28326_29644870	NC_021161.1	Ca_kabuli_chr02	29644870	CC	AA	1940152847
SNP_P1_28327_29644871	NC_021161.1	Ca_kabuli_chr02	29644871	TT	CC	1940152848
SNP_P1_28328_29644872	NC_021161.1	Ca_kabuli_chr02	29644872	AA	TT	1940152849
SNP_P1_28329_29644885	NC_021161.1	Ca_kabuli_chr02	29644885	TT	CC	1940152850
SNP_P1_28330_29644900	NC_021161.1	Ca_kabuli_chr02	29644900	AA	CC	1940152851
SNP_P1_28331_29647492	NC_021161.1	Ca_kabuli_chr02	29647492	AA	CC	1940152852
SNP_P1_28332_29647507	NC_021161.1	Ca_kabuli_chr02	29647507	AA	CC	1940152853
SNP_P1_28333_29647532	NC_021161.1	Ca_kabuli_chr02	29647532	TT	CC	1940152854
SNP_P1_28334_29647536	NC_021161.1	Ca_kabuli_chr02	29647536	TT	CC	1940152855
SNP_P1_28335_29653702	NC_021161.1	Ca_kabuli_chr02	29653702	TT	CC	1940152856
SNP_P1_28336_29653901	NC_021161.1	Ca_kabuli_chr02	29653901	CC	AA	1940152857
SNP_P1_28338_29662146	NC_021161.1	Ca_kabuli_chr02	29662146	TT	AA	1940152858
SNP_P1_28340_29679306	NC_021161.1	Ca_kabuli_chr02	29679306	TT	AA	1940152859
SNP_P1_28341_29686668	NC_021161.1	Ca_kabuli_chr02	29686668	CC	TT	1940152860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28343_29697902	NC_021161.1	Ca_kabuli_chr02	29697902	GG	AA	1940152863
SNP_P1_28344_29727846	NC_021161.1	Ca_kabuli_chr02	29727846	CC	TT	1940152864
SNP_P1_28345_29728245	NC_021161.1	Ca_kabuli_chr02	29728245	TT	CC	1940152865
SNP_P1_28346_29728297	NC_021161.1	Ca_kabuli_chr02	29728297	CC	AA	1940152866
SNP_P1_28347_29734843	NC_021161.1	Ca_kabuli_chr02	29734843	TT	AA	1940152867
SNP_P1_28348_29737469	NC_021161.1	Ca_kabuli_chr02	29737469	AA	TT	1940152868
SNP_P1_28349_29737499	NC_021161.1	Ca_kabuli_chr02	29737499	GG	AA	1940152869
SNP_P1_28350_29737528	NC_021161.1	Ca_kabuli_chr02	29737528	CC	GG	1940152870
SNP_P1_28351_29737529	NC_021161.1	Ca_kabuli_chr02	29737529	GG	AA	1940152871
SNP_P1_28352_29737657	NC_021161.1	Ca_kabuli_chr02	29737657	CC	TT	1940152872
SNP_P1_28353_29737689	NC_021161.1	Ca_kabuli_chr02	29737689	TT	CC	1940152873
SNP_P1_28354_29737749	NC_021161.1	Ca_kabuli_chr02	29737749	CC	TT	1940152874
SNP_P1_28355_29737750	NC_021161.1	Ca_kabuli_chr02	29737750	TT	CC	1940152875
SNP_P1_28356_29737889	NC_021161.1	Ca_kabuli_chr02	29737889	CC	TT	1940152876
SNP_P1_28357_29738013	NC_021161.1	Ca_kabuli_chr02	29738013	AA	CC	1940152877
SNP_P1_28358_29738028	NC_021161.1	Ca_kabuli_chr02	29738028	AA	GG	1940152878
SNP_P1_28359_29738092	NC_021161.1	Ca_kabuli_chr02	29738092	TT	CC	1940152879
SNP_P1_28360_29738100	NC_021161.1	Ca_kabuli_chr02	29738100	CC	TT	1940152880
SNP_P1_28361_29738109	NC_021161.1	Ca_kabuli_chr02	29738109	CC	AA	1940152881
SNP_P1_28362_29738141	NC_021161.1	Ca_kabuli_chr02	29738141	TT	CC	1940152882
SNP_P1_28363_29738208	NC_021161.1	Ca_kabuli_chr02	29738208	GG	TT	1940152883
SNP_P1_28364_29738837	NC_021161.1	Ca_kabuli_chr02	29738837	CC	AA	1940152884
SNP_P1_28365_29738991	NC_021161.1	Ca_kabuli_chr02	29738991	CC	AA	1940152885
SNP_P1_28366_29739240	NC_021161.1	Ca_kabuli_chr02	29739240	GG	AA	1940152886
SNP_P1_28367_29742485	NC_021161.1	Ca_kabuli_chr02	29742485	AA	CC	1940152887
SNP_P1_28368_29742564	NC_021161.1	Ca_kabuli_chr02	29742564	GG	AA	1940152888
SNP_P1_28369_29775578	NC_021161.1	Ca_kabuli_chr02	29775578	AA	GG	1940152889
SNP_P1_28370_29775579	NC_021161.1	Ca_kabuli_chr02	29775579	TT	AA	1940152890
SNP_P1_28372_29799255	NC_021161.1	Ca_kabuli_chr02	29799255	TT	CC	1940152891
SNP_P1_28375_29829391	NC_021161.1	Ca_kabuli_chr02	29829391	GG	AA	1940152892
SNP_P1_28376_29829777	NC_021161.1	Ca_kabuli_chr02	29829777	TT	CC	1940152893
SNP_P1_28377_29829825	NC_021161.1	Ca_kabuli_chr02	29829825	CC	GG	1940152894
SNP_P1_28381_29856104	NC_021161.1	Ca_kabuli_chr02	29856104	CC	TT	1940152895
SNP_P1_28382_29857545	NC_021161.1	Ca_kabuli_chr02	29857545	CC	TT	1940152896
SNP_P1_28383_29857843	NC_021161.1	Ca_kabuli_chr02	29857843	AA	GG	1940152898
SNP_P1_28384_29865410	NC_021161.1	Ca_kabuli_chr02	29865410	CC	AA	1940152899
SNP_P1_28385_29883021	NC_021161.1	Ca_kabuli_chr02	29883021	GG	CC	1940152900
SNP_P1_28386_29912209	NC_021161.1	Ca_kabuli_chr02	29912209	CC	GG	1940152901
SNP_P1_28387_29929770	NC_021161.1	Ca_kabuli_chr02	29929770	AA	GG	1940152902
SNP_P1_28388_29942971	NC_021161.1	Ca_kabuli_chr02	29942971	AA	CC	1940152903
SNP_P1_28389_29961757	NC_021161.1	Ca_kabuli_chr02	29961757	CC	TT	1940152904

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28392_29962796	NC_021161.1	Ca_kabuli_chr02	29962796	AA	GG	1940152906
SNP_P1_28394_29964135	NC_021161.1	Ca_kabuli_chr02	29964135	CC	AA	1940152907
SNP_P1_28396_29964711	NC_021161.1	Ca_kabuli_chr02	29964711	TT	AA	1940152908
SNP_P1_28398_29982822	NC_021161.1	Ca_kabuli_chr02	29982822	AA	GG	1940152909
SNP_P1_28399_30004577	NC_021161.1	Ca_kabuli_chr02	30004577	CC	TT	1940152910
SNP_P1_28400_30057823	NC_021161.1	Ca_kabuli_chr02	30057823	GG	AA	1940152911
SNP_P1_28401_30057849	NC_021161.1	Ca_kabuli_chr02	30057849	AA	TT	1940152912
SNP_P1_28402_30058185	NC_021161.1	Ca_kabuli_chr02	30058185	AA	TT	1940152913
SNP_P1_28403_30058200	NC_021161.1	Ca_kabuli_chr02	30058200	GG	AA	1940152914
SNP_P1_28404_30058206	NC_021161.1	Ca_kabuli_chr02	30058206	GG	AA	1940152915
SNP_P1_28405_30058225	NC_021161.1	Ca_kabuli_chr02	30058225	CC	GG	1940152916
SNP_P1_28406_30058233	NC_021161.1	Ca_kabuli_chr02	30058233	AA	TT	1940152917
SNP_P1_28407_30058254	NC_021161.1	Ca_kabuli_chr02	30058254	CC	TT	1940152918
SNP_P1_28408_30059726	NC_021161.1	Ca_kabuli_chr02	30059726	TT	GG	1940152919
SNP_P1_28409_30061151	NC_021161.1	Ca_kabuli_chr02	30061151	AA	TT	1940152920
SNP_P1_28410_30065245	NC_021161.1	Ca_kabuli_chr02	30065245	GG	AA	1940152921
SNP_P1_28411_30067324	NC_021161.1	Ca_kabuli_chr02	30067324	CC	AA	1940152922
SNP_P1_28412_30067338	NC_021161.1	Ca_kabuli_chr02	30067338	TT	CC	1940152923
SNP_P1_28413_30071725	NC_021161.1	Ca_kabuli_chr02	30071725	AA	GG	1940152924
SNP_P1_28414_30075830	NC_021161.1	Ca_kabuli_chr02	30075830	CC	GG	1940152925
SNP_P1_28415_30075834	NC_021161.1	Ca_kabuli_chr02	30075834	TT	CC	1940152926
SNP_P1_28416_30092030	NC_021161.1	Ca_kabuli_chr02	30092030	GG	TT	1940152927
SNP_P1_28417_30092077	NC_021161.1	Ca_kabuli_chr02	30092077	GG	AA	1940152928
SNP_P1_28418_30092875	NC_021161.1	Ca_kabuli_chr02	30092875	AA	CC	1940152929
SNP_P1_28419_30094917	NC_021161.1	Ca_kabuli_chr02	30094917	AA	TT	1940152930
SNP_P1_28420_30095148	NC_021161.1	Ca_kabuli_chr02	30095148	TT	AA	1940152931
SNP_P1_28421_30095150	NC_021161.1	Ca_kabuli_chr02	30095150	TT	CC	1940152932
SNP_P1_28422_30095622	NC_021161.1	Ca_kabuli_chr02	30095622	AA	GG	1940152933
SNP_P1_28423_30095787	NC_021161.1	Ca_kabuli_chr02	30095787	AA	TT	1940152934
SNP_P1_28426_30096664	NC_021161.1	Ca_kabuli_chr02	30096664	TT	CC	1940152935
SNP_P1_28428_30097122	NC_021161.1	Ca_kabuli_chr02	30097122	GG	AA	1940152936
SNP_P1_28429_30097775	NC_021161.1	Ca_kabuli_chr02	30097775	TT	CC	1940152937
SNP_P1_28430_30112419	NC_021161.1	Ca_kabuli_chr02	30112419	GG	AA	1940152938
SNP_P1_28431_30112435	NC_021161.1	Ca_kabuli_chr02	30112435	CC	GG	1940152939
SNP_P1_28433_30112490	NC_021161.1	Ca_kabuli_chr02	30112490	AA	GG	1940152940
SNP_P1_28434_30112621	NC_021161.1	Ca_kabuli_chr02	30112621	GG	AA	1940152942
SNP_P1_28435_30112661	NC_021161.1	Ca_kabuli_chr02	30112661	TT	GG	1940152943
SNP_P1_28438_30126013	NC_021161.1	Ca_kabuli_chr02	30126013	TT	AA	1940152944
SNP_P1_28439_30126058	NC_021161.1	Ca_kabuli_chr02	30126058	TT	AA	1940152945
SNP_P1_28440_30126110	NC_021161.1	Ca_kabuli_chr02	30126110	TT	CC	1940152946
SNP_P1_28441_30127869	NC_021161.1	Ca_kabuli_chr02	30127869	TT	AA	1940152947

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28443_30145191	NC_021161.1	Ca_kabuli_chr02	30145191	AA	CC	1940152949
SNP_P1_28444_30145231	NC_021161.1	Ca_kabuli_chr02	30145231	CC	GG	1940152950
SNP_P1_28445_30145319	NC_021161.1	Ca_kabuli_chr02	30145319	CC	TT	1940152951
SNP_P1_28446_30145357	NC_021161.1	Ca_kabuli_chr02	30145357	CC	TT	1940152952
SNP_P1_28447_30145549	NC_021161.1	Ca_kabuli_chr02	30145549	GG	CC	1940152953
SNP_P1_28448_30146046	NC_021161.1	Ca_kabuli_chr02	30146046	GG	AA	1940152954
SNP_P1_28449_30146187	NC_021161.1	Ca_kabuli_chr02	30146187	GG	AA	1940152955
SNP_P1_28450_30146287	NC_021161.1	Ca_kabuli_chr02	30146287	CC	TT	1940152956
SNP_P1_28451_30146362	NC_021161.1	Ca_kabuli_chr02	30146362	CC	AA	1940152957
SNP_P1_28452_30146363	NC_021161.1	Ca_kabuli_chr02	30146363	CC	AA	1940152958
SNP_P1_28453_30146370	NC_021161.1	Ca_kabuli_chr02	30146370	TT	CC	1940152959
SNP_P1_28454_30146409	NC_021161.1	Ca_kabuli_chr02	30146409	CC	TT	1940152960
SNP_P1_28455_30146418	NC_021161.1	Ca_kabuli_chr02	30146418	CC	TT	1940152961
SNP_P1_28457_30146538	NC_021161.1	Ca_kabuli_chr02	30146538	AA	TT	1940152962
SNP_P1_28458_30147134	NC_021161.1	Ca_kabuli_chr02	30147134	CC	TT	1940152963
SNP_P1_28459_30147137	NC_021161.1	Ca_kabuli_chr02	30147137	CC	TT	1940152964
SNP_P1_28461_30147382	NC_021161.1	Ca_kabuli_chr02	30147382	GG	AA	1940152965
SNP_P1_28462_30147445	NC_021161.1	Ca_kabuli_chr02	30147445	TT	CC	1940152966
SNP_P1_28463_30159053	NC_021161.1	Ca_kabuli_chr02	30159053	GG	CC	1940152967
SNP_P1_28464_30164761	NC_021161.1	Ca_kabuli_chr02	30164761	TT	CC	1940152968
SNP_P1_28465_30164767	NC_021161.1	Ca_kabuli_chr02	30164767	CC	TT	1940152969
SNP_P1_28466_30164875	NC_021161.1	Ca_kabuli_chr02	30164875	TT	GG	1940152970
SNP_P1_28467_30164942	NC_021161.1	Ca_kabuli_chr02	30164942	TT	AA	1940152971
SNP_P1_28469_30165086	NC_021161.1	Ca_kabuli_chr02	30165086	TT	AA	1940152972
SNP_P1_28470_30165305	NC_021161.1	Ca_kabuli_chr02	30165305	GG	TT	1940152973
SNP_P1_28471_30165398	NC_021161.1	Ca_kabuli_chr02	30165398	TT	CC	1940152974
SNP_P1_28472_30165436	NC_021161.1	Ca_kabuli_chr02	30165436	TT	CC	1940152975
SNP_P1_28474_30172613	NC_021161.1	Ca_kabuli_chr02	30172613	TT	AA	1940152976
SNP_P1_28475_30172661	NC_021161.1	Ca_kabuli_chr02	30172661	CC	TT	1940152977
SNP_P1_28476_30172866	NC_021161.1	Ca_kabuli_chr02	30172866	GG	CC	1940152978
SNP_P1_28477_30172924	NC_021161.1	Ca_kabuli_chr02	30172924	TT	CC	1940152979
SNP_P1_28478_30173691	NC_021161.1	Ca_kabuli_chr02	30173691	GG	AA	1940152980
SNP_P1_28480_30174959	NC_021161.1	Ca_kabuli_chr02	30174959	CC	TT	1940152981
SNP_P1_28481_30186154	NC_021161.1	Ca_kabuli_chr02	30186154	AA	CC	1940152982
SNP_P1_28483_30198132	NC_021161.1	Ca_kabuli_chr02	30198132	AA	TT	1940152983
SNP_P1_28484_30198478	NC_021161.1	Ca_kabuli_chr02	30198478	GG	AA	1940152985
SNP_P1_28486_30204124	NC_021161.1	Ca_kabuli_chr02	30204124	CC	AA	1940152986
SNP_P1_28487_30204246	NC_021161.1	Ca_kabuli_chr02	30204246	TT	CC	1940152987
SNP_P1_28488_30209620	NC_021161.1	Ca_kabuli_chr02	30209620	CC	GG	1940152988
SNP_P1_28489_30209621	NC_021161.1	Ca_kabuli_chr02	30209621	TT	AA	1940152989
SNP_P1_28490_30213360	NC_021161.1	Ca_kabuli_chr02	30213360	GG	AA	1940152990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28493_30292594	NC_021161.1	Ca_kabuli_chr02	30292594	TT	GG	1940152992
SNP_P1_28495_30300040	NC_021161.1	Ca_kabuli_chr02	30300040	TT	GG	1940152993
SNP_P1_28496_30314523	NC_021161.1	Ca_kabuli_chr02	30314523	TT	AA	1940152994
SNP_P1_28497_30314548	NC_021161.1	Ca_kabuli_chr02	30314548	CC	TT	1940152995
SNP_P1_28498_30314576	NC_021161.1	Ca_kabuli_chr02	30314576	GG	AA	1940152996
SNP_P1_28499_30314594	NC_021161.1	Ca_kabuli_chr02	30314594	CC	TT	1940152997
SNP_P1_28500_30314650	NC_021161.1	Ca_kabuli_chr02	30314650	AA	GG	1940152998
SNP_P1_28501_30325617	NC_021161.1	Ca_kabuli_chr02	30325617	CC	TT	1940152999
SNP_P1_28503_30329361	NC_021161.1	Ca_kabuli_chr02	30329361	TT	CC	1940153000
SNP_P1_28504_30333551	NC_021161.1	Ca_kabuli_chr02	30333551	TT	CC	1940153001
SNP_P1_28505_30333856	NC_021161.1	Ca_kabuli_chr02	30333856	AA	GG	1940153002
SNP_P1_28506_30335212	NC_021161.1	Ca_kabuli_chr02	30335212	AA	TT	1940153003
SNP_P1_28507_30336694	NC_021161.1	Ca_kabuli_chr02	30336694	GG	AA	1940153004
SNP_P1_28508_30336700	NC_021161.1	Ca_kabuli_chr02	30336700	CC	TT	1940153005
SNP_P1_28509_30337599	NC_021161.1	Ca_kabuli_chr02	30337599	TT	GG	1940153006
SNP_P1_28510_30337727	NC_021161.1	Ca_kabuli_chr02	30337727	TT	AA	1940153007
SNP_P1_28511_30338383	NC_021161.1	Ca_kabuli_chr02	30338383	CC	TT	1940153008
SNP_P1_28512_30339844	NC_021161.1	Ca_kabuli_chr02	30339844	CC	AA	1940153009
SNP_P1_28513_30340022	NC_021161.1	Ca_kabuli_chr02	30340022	CC	TT	1940153010
SNP_P1_28514_30340029	NC_021161.1	Ca_kabuli_chr02	30340029	AA	GG	1940153011
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SNP_P1_28519_30342831	NC_021161.1	Ca_kabuli_chr02	30342831	GG	AA	1940153014
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SNP_P1_28522_30342892	NC_021161.1	Ca_kabuli_chr02	30342892	GG	AA	1940153016
SNP_P1_28524_30343028	NC_021161.1	Ca_kabuli_chr02	30343028	TT	CC	1940153017
SNP_P1_28525_30343036	NC_021161.1	Ca_kabuli_chr02	30343036	AA	CC	1940153018
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SNP_P1_28529_30343152	NC_021161.1	Ca_kabuli_chr02	30343152	CC	TT	1940153020
SNP_P1_28531_30343233	NC_021161.1	Ca_kabuli_chr02	30343233	CC	TT	1940153021
SNP_P1_28532_30343246	NC_021161.1	Ca_kabuli_chr02	30343246	AA	GG	1940153022
SNP_P1_28533_30343286	NC_021161.1	Ca_kabuli_chr02	30343286	AA	CC	1940153023
SNP_P1_28534_30343290	NC_021161.1	Ca_kabuli_chr02	30343290	CC	TT	1940153024
SNP_P1_28535_30343306	NC_021161.1	Ca_kabuli_chr02	30343306	TT	CC	1940153025
SNP_P1_28536_30343320	NC_021161.1	Ca_kabuli_chr02	30343320	AA	GG	1940153026
SNP_P1_28537_30343333	NC_021161.1	Ca_kabuli_chr02	30343333	GG	AA	1940153027
SNP_P1_28538_30343357	NC_021161.1	Ca_kabuli_chr02	30343357	GG	CC	1940153028
SNP_P1_28539_30343364	NC_021161.1	Ca_kabuli_chr02	30343364	AA	CC	1940153029
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SNP_P1_28543_30343883	NC_021161.1	Ca_kabuli_chr02	30343883	TT	AA	1940153031
SNP_P1_28544_30343888	NC_021161.1	Ca_kabuli_chr02	30343888	TT	AA	1940153032
SNP_P1_28545_30343914	NC_021161.1	Ca_kabuli_chr02	30343914	CC	AA	1940153033

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28550_30345114	NC_021161.1	Ca_kabuli_chr02	30345114	GG	TT	1940153036
SNP_P1_28552_30346115	NC_021161.1	Ca_kabuli_chr02	30346115	TT	CC	1940153037
SNP_P1_28553_30346177	NC_021161.1	Ca_kabuli_chr02	30346177	CC	TT	1940153038
SNP_P1_28554_30346208	NC_021161.1	Ca_kabuli_chr02	30346208	GG	CC	1940153039
SNP_P1_28555_30346964	NC_021161.1	Ca_kabuli_chr02	30346964	TT	AA	1940153040
SNP_P1_28556_30346976	NC_021161.1	Ca_kabuli_chr02	30346976	CC	TT	1940153041
SNP_P1_28557_30346983	NC_021161.1	Ca_kabuli_chr02	30346983	TT	CC	1940153042
SNP_P1_28558_30346987	NC_021161.1	Ca_kabuli_chr02	30346987	AA	TT	1940153043
SNP_P1_28559_30346988	NC_021161.1	Ca_kabuli_chr02	30346988	AA	TT	1940153044
SNP_P1_28560_30347001	NC_021161.1	Ca_kabuli_chr02	30347001	CC	TT	1940153045
SNP_P1_28561_30347032	NC_021161.1	Ca_kabuli_chr02	30347032	GG	AA	1940153046
SNP_P1_28562_30347034	NC_021161.1	Ca_kabuli_chr02	30347034	TT	CC	1940153047
SNP_P1_28563_30347255	NC_021161.1	Ca_kabuli_chr02	30347255	AA	GG	1940153048
SNP_P1_28564_30347927	NC_021161.1	Ca_kabuli_chr02	30347927	CC	TT	1940153049
SNP_P1_28565_30347942	NC_021161.1	Ca_kabuli_chr02	30347942	AA	GG	1940153050
SNP_P1_28566_30348176	NC_021161.1	Ca_kabuli_chr02	30348176	TT	CC	1940153051
SNP_P1_28567_30348895	NC_021161.1	Ca_kabuli_chr02	30348895	AA	CC	1940153052
SNP_P1_28568_30351255	NC_021161.1	Ca_kabuli_chr02	30351255	TT	AA	1940153053
SNP_P1_28569_30351607	NC_021161.1	Ca_kabuli_chr02	30351607	TT	CC	1940153054
SNP_P1_28570_30351613	NC_021161.1	Ca_kabuli_chr02	30351613	TT	GG	1940153055
SNP_P1_28573_30353567	NC_021161.1	Ca_kabuli_chr02	30353567	TT	CC	1940153056
SNP_P1_28574_30353599	NC_021161.1	Ca_kabuli_chr02	30353599	TT	CC	1940153057
SNP_P1_28575_30355143	NC_021161.1	Ca_kabuli_chr02	30355143	AA	TT	1940153058
SNP_P1_28576_30355364	NC_021161.1	Ca_kabuli_chr02	30355364	GG	AA	1940153059
SNP_P1_28577_30355368	NC_021161.1	Ca_kabuli_chr02	30355368	TT	AA	1940153060
SNP_P1_28578_30355373	NC_021161.1	Ca_kabuli_chr02	30355373	AA	GG	1940153062
SNP_P1_28579_30355579	NC_021161.1	Ca_kabuli_chr02	30355579	CC	TT	1940153063
SNP_P1_28580_30355942	NC_021161.1	Ca_kabuli_chr02	30355942	CC	TT	1940153064
SNP_P1_28581_30356049	NC_021161.1	Ca_kabuli_chr02	30356049	TT	CC	1940153065
SNP_P1_28583_30356555	NC_021161.1	Ca_kabuli_chr02	30356555	CC	TT	1940153066
SNP_P1_28584_30356685	NC_021161.1	Ca_kabuli_chr02	30356685	GG	AA	1940153067
SNP_P1_28585_30356830	NC_021161.1	Ca_kabuli_chr02	30356830	GG	CC	1940153068
SNP_P1_28587_30357020	NC_021161.1	Ca_kabuli_chr02	30357020	AA	TT	1940153069
SNP_P1_28588_30357079	NC_021161.1	Ca_kabuli_chr02	30357079	TT	GG	1940153070
SNP_P1_28589_30357124	NC_021161.1	Ca_kabuli_chr02	30357124	CC	AA	1940153071
SNP_P1_28590_30357172	NC_021161.1	Ca_kabuli_chr02	30357172	CC	AA	1940153072
SNP_P1_28591_30357229	NC_021161.1	Ca_kabuli_chr02	30357229	GG	TT	1940153073
SNP_P1_28592_30357232	NC_021161.1	Ca_kabuli_chr02	30357232	GG	AA	1940153074
SNP_P1_28593_30357246	NC_021161.1	Ca_kabuli_chr02	30357246	TT	AA	1940153075
SNP_P1_28594_30357382	NC_021161.1	Ca_kabuli_chr02	30357382	TT	CC	1940153076

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28597_30358866	NC_021161.1	Ca_kabuli_chr02	30358866	CC	TT	1940153079
SNP_P1_28598_30358923	NC_021161.1	Ca_kabuli_chr02	30358923	GG	CC	1940153080
SNP_P1_28599_30359597	NC_021161.1	Ca_kabuli_chr02	30359597	GG	TT	1940153081
SNP_P1_28600_30359895	NC_021161.1	Ca_kabuli_chr02	30359895	CC	TT	1940153082
SNP_P1_28601_30359901	NC_021161.1	Ca_kabuli_chr02	30359901	TT	GG	1940153083
SNP_P1_28602_30359912	NC_021161.1	Ca_kabuli_chr02	30359912	TT	CC	1940153084
SNP_P1_28603_30359927	NC_021161.1	Ca_kabuli_chr02	30359927	CC	TT	1940153085
SNP_P1_28604_30360396	NC_021161.1	Ca_kabuli_chr02	30360396	TT	CC	1940153086
SNP_P1_28605_30361049	NC_021161.1	Ca_kabuli_chr02	30361049	GG	AA	1940153087
SNP_P1_28607_30361218	NC_021161.1	Ca_kabuli_chr02	30361218	AA	GG	1940153088
SNP_P1_28608_30361373	NC_021161.1	Ca_kabuli_chr02	30361373	AA	GG	1940153089
SNP_P1_28610_30361490	NC_021161.1	Ca_kabuli_chr02	30361490	TT	CC	1940153090
SNP_P1_28611_30361501	NC_021161.1	Ca_kabuli_chr02	30361501	GG	TT	1940153091
SNP_P1_28612_30361584	NC_021161.1	Ca_kabuli_chr02	30361584	GG	AA	1940153092
SNP_P1_28613_30363268	NC_021161.1	Ca_kabuli_chr02	30363268	GG	CC	1940153093
SNP_P1_28614_30363651	NC_021161.1	Ca_kabuli_chr02	30363651	AA	TT	1940153094
SNP_P1_28615_30363957	NC_021161.1	Ca_kabuli_chr02	30363957	AA	CC	1940153095
SNP_P1_28616_30363981	NC_021161.1	Ca_kabuli_chr02	30363981	GG	AA	1940153097
SNP_P1_28617_30363989	NC_021161.1	Ca_kabuli_chr02	30363989	CC	GG	1940153098
SNP_P1_28618_30363995	NC_021161.1	Ca_kabuli_chr02	30363995	TT	AA	1940153099
SNP_P1_28619_30364025	NC_021161.1	Ca_kabuli_chr02	30364025	CC	TT	1940153100
SNP_P1_28620_30364111	NC_021161.1	Ca_kabuli_chr02	30364111	AA	GG	1940153101
SNP_P1_28621_30364520	NC_021161.1	Ca_kabuli_chr02	30364520	TT	CC	1940153102
SNP_P1_28622_30364636	NC_021161.1	Ca_kabuli_chr02	30364636	CC	AA	1940153103
SNP_P1_28623_30364809	NC_021161.1	Ca_kabuli_chr02	30364809	CC	GG	1940153104
SNP_P1_28624_30364810	NC_021161.1	Ca_kabuli_chr02	30364810	AA	GG	1940153105
SNP_P1_28625_30364838	NC_021161.1	Ca_kabuli_chr02	30364838	TT	CC	1940153106
SNP_P1_28626_30364839	NC_021161.1	Ca_kabuli_chr02	30364839	AA	GG	1940153107
SNP_P1_28627_30364850	NC_021161.1	Ca_kabuli_chr02	30364850	AA	GG	1940153108
SNP_P1_28628_30364894	NC_021161.1	Ca_kabuli_chr02	30364894	GG	TT	1940153109
SNP_P1_28629_30364902	NC_021161.1	Ca_kabuli_chr02	30364902	TT	AA	1940153110
SNP_P1_28630_30365165	NC_021161.1	Ca_kabuli_chr02	30365165	CC	TT	1940153111
SNP_P1_28631_30365202	NC_021161.1	Ca_kabuli_chr02	30365202	CC	GG	1940153112
SNP_P1_28632_30365246	NC_021161.1	Ca_kabuli_chr02	30365246	AA	TT	1940153113
SNP_P1_28633_30365247	NC_021161.1	Ca_kabuli_chr02	30365247	CC	AA	1940153114
SNP_P1_28635_30365361	NC_021161.1	Ca_kabuli_chr02	30365361	AA	TT	1940153115
SNP_P1_28636_30365373	NC_021161.1	Ca_kabuli_chr02	30365373	GG	AA	1940153116
SNP_P1_28637_30365377	NC_021161.1	Ca_kabuli_chr02	30365377	CC	TT	1940153117
SNP_P1_28638_30365431	NC_021161.1	Ca_kabuli_chr02	30365431	GG	CC	1940153118
SNP_P1_28639_30367635	NC_021161.1	Ca_kabuli_chr02	30367635	CC	GG	1940153119

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28643_30367910	NC_021161.1	Ca_kabuli_chr02	30367910	GG	AA	1940153121
SNP_P1_28644_30368352	NC_021161.1	Ca_kabuli_chr02	30368352	CC	GG	1940153122
SNP_P1_28645_30368997	NC_021161.1	Ca_kabuli_chr02	30368997	GG	AA	1940153123
SNP_P1_28646_30369011	NC_021161.1	Ca_kabuli_chr02	30369011	TT	CC	1940153124
SNP_P1_28648_30369426	NC_021161.1	Ca_kabuli_chr02	30369426	AA	TT	1940153125
SNP_P1_28649_30369430	NC_021161.1	Ca_kabuli_chr02	30369430	GG	AA	1940153126
SNP_P1_28650_30369519	NC_021161.1	Ca_kabuli_chr02	30369519	CC	TT	1940153127
SNP_P1_28651_30370148	NC_021161.1	Ca_kabuli_chr02	30370148	TT	GG	1940153128
SNP_P1_28652_30370326	NC_021161.1	Ca_kabuli_chr02	30370326	TT	GG	1940153129
SNP_P1_28653_30370411	NC_021161.1	Ca_kabuli_chr02	30370411	CC	TT	1940153130
SNP_P1_28654_30371076	NC_021161.1	Ca_kabuli_chr02	30371076	AA	TT	1940153132
SNP_P1_28655_30371456	NC_021161.1	Ca_kabuli_chr02	30371456	TT	AA	1940153133
SNP_P1_28656_30373094	NC_021161.1	Ca_kabuli_chr02	30373094	AA	TT	1940153134
SNP_P1_28657_30373311	NC_021161.1	Ca_kabuli_chr02	30373311	TT	AA	1940153135
SNP_P1_28659_30373889	NC_021161.1	Ca_kabuli_chr02	30373889	CC	TT	1940153136
SNP_P1_28660_30373918	NC_021161.1	Ca_kabuli_chr02	30373918	GG	CC	1940153137
SNP_P1_28661_30374252	NC_021161.1	Ca_kabuli_chr02	30374252	TT	CC	1940153138
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SNP_P1_28663_30374892	NC_021161.1	Ca_kabuli_chr02	30374892	AA	GG	1940153140
SNP_P1_28664_30374970	NC_021161.1	Ca_kabuli_chr02	30374970	TT	CC	1940153141
SNP_P1_28665_30374979	NC_021161.1	Ca_kabuli_chr02	30374979	TT	CC	1940153142
SNP_P1_28666_30375015	NC_021161.1	Ca_kabuli_chr02	30375015	TT	CC	1940153143
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SNP_P1_28669_30375157	NC_021161.1	Ca_kabuli_chr02	30375157	TT	CC	1940153145
SNP_P1_28673_30377276	NC_021161.1	Ca_kabuli_chr02	30377276	CC	GG	1940153146
SNP_P1_28675_30382811	NC_021161.1	Ca_kabuli_chr02	30382811	GG	AA	1940153147
SNP_P1_28676_30383001	NC_021161.1	Ca_kabuli_chr02	30383001	AA	GG	1940153148
SNP_P1_28677_30383013	NC_021161.1	Ca_kabuli_chr02	30383013	AA	CC	1940153149
SNP_P1_28678_30383045	NC_021161.1	Ca_kabuli_chr02	30383045	GG	AA	1940153150
SNP_P1_28679_30383109	NC_021161.1	Ca_kabuli_chr02	30383109	TT	CC	1940153151
SNP_P1_28680_30383139	NC_021161.1	Ca_kabuli_chr02	30383139	CC	AA	1940153152
SNP_P1_28681_30383215	NC_021161.1	Ca_kabuli_chr02	30383215	CC	GG	1940153153
SNP_P1_28682_30383302	NC_021161.1	Ca_kabuli_chr02	30383302	TT	GG	1940153154
SNP_P1_28684_30383415	NC_021161.1	Ca_kabuli_chr02	30383415	AA	GG	1940153155
SNP_P1_28685_30383429	NC_021161.1	Ca_kabuli_chr02	30383429	GG	AA	1940153156
SNP_P1_28686_30383469	NC_021161.1	Ca_kabuli_chr02	30383469	TT	CC	1940153157
SNP_P1_28687_30383491	NC_021161.1	Ca_kabuli_chr02	30383491	GG	TT	1940153158
SNP_P1_28688_30384467	NC_021161.1	Ca_kabuli_chr02	30384467	TT	GG	1940153159
SNP_P1_28689_30384489	NC_021161.1	Ca_kabuli_chr02	30384489	CC	TT	1940153160
SNP_P1_28690_30384502	NC_021161.1	Ca_kabuli_chr02	30384502	TT	GG	1940153161
SNP_P1_28691_30384659	NC_021161.1	Ca_kabuli_chr02	30384659	CC	TT	1940153162

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28695_30385367	NC_021161.1	Ca_kabuli_chr02	30385367	TT	CC	1940153165
SNP_P1_28696_30385385	NC_021161.1	Ca_kabuli_chr02	30385385	CC	AA	1940153166
SNP_P1_28697_30385849	NC_021161.1	Ca_kabuli_chr02	30385849	GG	AA	1940153167
SNP_P1_28698_30385853	NC_021161.1	Ca_kabuli_chr02	30385853	GG	AA	1940153168
SNP_P1_28699_30386067	NC_021161.1	Ca_kabuli_chr02	30386067	TT	GG	1940153169
SNP_P1_28700_30386140	NC_021161.1	Ca_kabuli_chr02	30386140	CC	TT	1940153170
SNP_P1_28701_30386145	NC_021161.1	Ca_kabuli_chr02	30386145	AA	GG	1940153171
SNP_P1_28702_30386155	NC_021161.1	Ca_kabuli_chr02	30386155	AA	GG	1940153172
SNP_P1_28704_30388538	NC_021161.1	Ca_kabuli_chr02	30388538	GG	AA	1940153174
SNP_P1_28705_30389433	NC_021161.1	Ca_kabuli_chr02	30389433	TT	CC	1940153175
SNP_P1_28707_30390607	NC_021161.1	Ca_kabuli_chr02	30390607	GG	AA	1940153176
SNP_P1_28708_30390893	NC_021161.1	Ca_kabuli_chr02	30390893	TT	AA	1940153177
SNP_P1_28710_30391318	NC_021161.1	Ca_kabuli_chr02	30391318	GG	AA	1940153178
SNP_P1_28711_30393397	NC_021161.1	Ca_kabuli_chr02	30393397	AA	CC	1940153179
SNP_P1_28712_30393453	NC_021161.1	Ca_kabuli_chr02	30393453	AA	GG	1940153180
SNP_P1_28713_30393457	NC_021161.1	Ca_kabuli_chr02	30393457	CC	TT	1940153181
SNP_P1_28714_30393461	NC_021161.1	Ca_kabuli_chr02	30393461	GG	TT	1940153182
SNP_P1_28715_30393483	NC_021161.1	Ca_kabuli_chr02	30393483	CC	TT	1940153183
SNP_P1_28716_30393521	NC_021161.1	Ca_kabuli_chr02	30393521	CC	AA	1940153184
SNP_P1_28719_30393749	NC_021161.1	Ca_kabuli_chr02	30393749	CC	AA	1940153185
SNP_P1_28720_30393788	NC_021161.1	Ca_kabuli_chr02	30393788	CC	TT	1940153186
SNP_P1_28721_30393790	NC_021161.1	Ca_kabuli_chr02	30393790	GG	AA	1940153187
SNP_P1_28723_30394661	NC_021161.1	Ca_kabuli_chr02	30394661	AA	GG	1940153188
SNP_P1_28726_30395048	NC_021161.1	Ca_kabuli_chr02	30395048	GG	TT	1940153189
SNP_P1_28729_30396562	NC_021161.1	Ca_kabuli_chr02	30396562	GG	AA	1940153190
SNP_P1_28730_30396938	NC_021161.1	Ca_kabuli_chr02	30396938	TT	CC	1940153191
SNP_P1_28732_30400213	NC_021161.1	Ca_kabuli_chr02	30400213	CC	TT	1940153192
SNP_P1_28733_30400702	NC_021161.1	Ca_kabuli_chr02	30400702	GG	AA	1940153193
SNP_P1_28734_30400717	NC_021161.1	Ca_kabuli_chr02	30400717	TT	CC	1940153194
SNP_P1_28735_30401045	NC_021161.1	Ca_kabuli_chr02	30401045	AA	GG	1940153195
SNP_P1_28736_30401469	NC_021161.1	Ca_kabuli_chr02	30401469	TT	CC	1940153196
SNP_P1_28737_30401479	NC_021161.1	Ca_kabuli_chr02	30401479	GG	CC	1940153197
SNP_P1_28738_30401726	NC_021161.1	Ca_kabuli_chr02	30401726	AA	CC	1940153198
SNP_P1_28740_30401943	NC_021161.1	Ca_kabuli_chr02	30401943	AA	TT	1940153199
SNP_P1_28741_30402137	NC_021161.1	Ca_kabuli_chr02	30402137	TT	CC	1940153200
SNP_P1_28742_30402186	NC_021161.1	Ca_kabuli_chr02	30402186	AA	TT	1940153201
SNP_P1_28743_30402632	NC_021161.1	Ca_kabuli_chr02	30402632	GG	AA	1940153202
SNP_P1_28744_30402802	NC_021161.1	Ca_kabuli_chr02	30402802	AA	GG	1940153203
SNP_P1_28745_30402875	NC_021161.1	Ca_kabuli_chr02	30402875	CC	TT	1940153204
SNP_P1_28746_30403138	NC_021161.1	Ca_kabuli_chr02	30403138	AA	CC	1940153206

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28749_30403411	NC_021161.1	Ca_kabuli_chr02	30403411	CC	TT	1940153208
SNP_P1_28750_30403606	NC_021161.1	Ca_kabuli_chr02	30403606	CC	AA	1940153209
SNP_P1_28751_30403620	NC_021161.1	Ca_kabuli_chr02	30403620	AA	TT	1940153210
SNP_P1_28752_30403642	NC_021161.1	Ca_kabuli_chr02	30403642	AA	TT	1940153211
SNP_P1_28753_30404767	NC_021161.1	Ca_kabuli_chr02	30404767	GG	AA	1940153212
SNP_P1_28754_30404776	NC_021161.1	Ca_kabuli_chr02	30404776	GG	AA	1940153213
SNP_P1_28755_30406098	NC_021161.1	Ca_kabuli_chr02	30406098	CC	TT	1940153214
SNP_P1_28756_30406222	NC_021161.1	Ca_kabuli_chr02	30406222	AA	CC	1940153215
SNP_P1_28757_30406856	NC_021161.1	Ca_kabuli_chr02	30406856	CC	GG	1940153216
SNP_P1_28758_30409027	NC_021161.1	Ca_kabuli_chr02	30409027	TT	CC	1940153217
SNP_P1_28759_30410624	NC_021161.1	Ca_kabuli_chr02	30410624	GG	CC	1940153218
SNP_P1_28760_30410703	NC_021161.1	Ca_kabuli_chr02	30410703	CC	TT	1940153219
SNP_P1_28761_30410776	NC_021161.1	Ca_kabuli_chr02	30410776	CC	GG	1940153220
SNP_P1_28762_30410808	NC_021161.1	Ca_kabuli_chr02	30410808	TT	CC	1940153221
SNP_P1_28763_30410959	NC_021161.1	Ca_kabuli_chr02	30410959	AA	GG	1940153222
SNP_P1_28764_30410962	NC_021161.1	Ca_kabuli_chr02	30410962	TT	CC	1940153223
SNP_P1_28765_30411026	NC_021161.1	Ca_kabuli_chr02	30411026	CC	TT	1940153224
SNP_P1_28766_30411112	NC_021161.1	Ca_kabuli_chr02	30411112	AA	GG	1940153225
SNP_P1_28767_30411965	NC_021161.1	Ca_kabuli_chr02	30411965	GG	AA	1940153226
SNP_P1_28768_30414620	NC_021161.1	Ca_kabuli_chr02	30414620	GG	AA	1940153227
SNP_P1_28770_30416546	NC_021161.1	Ca_kabuli_chr02	30416546	CC	GG	1940153228
SNP_P1_28771_30418777	NC_021161.1	Ca_kabuli_chr02	30418777	CC	TT	1940153229
SNP_P1_28774_30421377	NC_021161.1	Ca_kabuli_chr02	30421377	CC	GG	1940153230
SNP_P1_28775_30423815	NC_021161.1	Ca_kabuli_chr02	30423815	CC	TT	1940153231
SNP_P1_28776_30423911	NC_021161.1	Ca_kabuli_chr02	30423911	GG	AA	1940153232
SNP_P1_28777_30426293	NC_021161.1	Ca_kabuli_chr02	30426293	AA	CC	1940153233
SNP_P1_28778_30426994	NC_021161.1	Ca_kabuli_chr02	30426994	GG	AA	1940153234
SNP_P1_28779_30427009	NC_021161.1	Ca_kabuli_chr02	30427009	CC	TT	1940153235
SNP_P1_28780_30431277	NC_021161.1	Ca_kabuli_chr02	30431277	GG	AA	1940153236
SNP_P1_28781_30432342	NC_021161.1	Ca_kabuli_chr02	30432342	AA	GG	1940153237
SNP_P1_28782_30432429	NC_021161.1	Ca_kabuli_chr02	30432429	GG	AA	1940153238
SNP_P1_28783_30432465	NC_021161.1	Ca_kabuli_chr02	30432465	GG	AA	1940153239
SNP_P1_28784_30432555	NC_021161.1	Ca_kabuli_chr02	30432555	TT	CC	1940153240
SNP_P1_28785_30432566	NC_021161.1	Ca_kabuli_chr02	30432566	AA	TT	1940153241
SNP_P1_28786_30432709	NC_021161.1	Ca_kabuli_chr02	30432709	CC	TT	1940153242
SNP_P1_28787_30432719	NC_021161.1	Ca_kabuli_chr02	30432719	GG	AA	1940153243
SNP_P1_28788_30432725	NC_021161.1	Ca_kabuli_chr02	30432725	CC	AA	1940153244
SNP_P1_28789_30432744	NC_021161.1	Ca_kabuli_chr02	30432744	AA	GG	1940153245
SNP_P1_28790_30432767	NC_021161.1	Ca_kabuli_chr02	30432767	AA	GG	1940153246
SNP_P1_28791_30432920	NC_021161.1	Ca_kabuli_chr02	30432920	TT	CC	1940153248
SNP_P1_28793_30433118	NC_021161.1	Ca_kabuli_chr02	30433118	AA	GG	1940153249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28797_30433844	NC_021161.1	Ca_kabuli_chr02	30433844	GG	CC	1940153251
SNP_P1_28798_30434508	NC_021161.1	Ca_kabuli_chr02	30434508	GG	AA	1940153252
SNP_P1_28799_30434512	NC_021161.1	Ca_kabuli_chr02	30434512	TT	CC	1940153253
SNP_P1_28800_30434869	NC_021161.1	Ca_kabuli_chr02	30434869	TT	AA	1940153254
SNP_P1_28801_30434878	NC_021161.1	Ca_kabuli_chr02	30434878	GG	AA	1940153255
SNP_P1_28802_30435214	NC_021161.1	Ca_kabuli_chr02	30435214	AA	CC	1940153256
SNP_P1_28803_30435217	NC_021161.1	Ca_kabuli_chr02	30435217	CC	TT	1940153257
SNP_P1_28804_30435276	NC_021161.1	Ca_kabuli_chr02	30435276	CC	GG	1940153258
SNP_P1_28805_30435347	NC_021161.1	Ca_kabuli_chr02	30435347	AA	TT	1940153259
SNP_P1_28806_30435491	NC_021161.1	Ca_kabuli_chr02	30435491	AA	TT	1940153260
SNP_P1_28807_30435593	NC_021161.1	Ca_kabuli_chr02	30435593	TT	CC	1940153261
SNP_P1_28808_30435622	NC_021161.1	Ca_kabuli_chr02	30435622	AA	TT	1940153262
SNP_P1_28809_30439043	NC_021161.1	Ca_kabuli_chr02	30439043	TT	CC	1940153263
SNP_P1_28810_30439065	NC_021161.1	Ca_kabuli_chr02	30439065	TT	CC	1940153264
SNP_P1_28811_30439081	NC_021161.1	Ca_kabuli_chr02	30439081	AA	TT	1940153265
SNP_P1_28812_30439113	NC_021161.1	Ca_kabuli_chr02	30439113	AA	TT	1940153266
SNP_P1_28814_30439424	NC_021161.1	Ca_kabuli_chr02	30439424	GG	AA	1940153267
SNP_P1_28815_30439790	NC_021161.1	Ca_kabuli_chr02	30439790	TT	CC	1940153268
SNP_P1_28816_30444945	NC_021161.1	Ca_kabuli_chr02	30444945	CC	TT	1940153269
SNP_P1_28817_30444952	NC_021161.1	Ca_kabuli_chr02	30444952	CC	TT	1940153270
SNP_P1_28818_30445481	NC_021161.1	Ca_kabuli_chr02	30445481	GG	AA	1940153271
SNP_P1_28819_30445537	NC_021161.1	Ca_kabuli_chr02	30445537	GG	AA	1940153272
SNP_P1_28820_30445751	NC_021161.1	Ca_kabuli_chr02	30445751	GG	TT	1940153273
SNP_P1_28821_30445766	NC_021161.1	Ca_kabuli_chr02	30445766	AA	CC	1940153274
SNP_P1_28822_30445774	NC_021161.1	Ca_kabuli_chr02	30445774	CC	TT	1940153275
SNP_P1_28823_30445788	NC_021161.1	Ca_kabuli_chr02	30445788	AA	GG	1940153276
SNP_P1_28824_30445799	NC_021161.1	Ca_kabuli_chr02	30445799	CC	TT	1940153277
SNP_P1_28825_30445815	NC_021161.1	Ca_kabuli_chr02	30445815	GG	AA	1940153279
SNP_P1_28826_30445878	NC_021161.1	Ca_kabuli_chr02	30445878	GG	CC	1940153280
SNP_P1_28827_30446144	NC_021161.1	Ca_kabuli_chr02	30446144	TT	AA	1940153281
SNP_P1_28828_30446598	NC_021161.1	Ca_kabuli_chr02	30446598	CC	TT	1940153282
SNP_P1_28829_30446636	NC_021161.1	Ca_kabuli_chr02	30446636	GG	AA	1940153283
SNP_P1_28830_30446642	NC_021161.1	Ca_kabuli_chr02	30446642	CC	GG	1940153284
SNP_P1_28831_30446654	NC_021161.1	Ca_kabuli_chr02	30446654	TT	AA	1940153285
SNP_P1_28832_30446661	NC_021161.1	Ca_kabuli_chr02	30446661	AA	GG	1940153286
SNP_P1_28833_30446836	NC_021161.1	Ca_kabuli_chr02	30446836	AA	GG	1940153287
SNP_P1_28834_30446849	NC_021161.1	Ca_kabuli_chr02	30446849	GG	AA	1940153288
SNP_P1_28835_30446850	NC_021161.1	Ca_kabuli_chr02	30446850	TT	CC	1940153289
SNP_P1_28836_30446858	NC_021161.1	Ca_kabuli_chr02	30446858	AA	GG	1940153290
SNP_P1_28837_30447209	NC_021161.1	Ca_kabuli_chr02	30447209	TT	CC	1940153291
SNP_P1_28838_30447239	NC_021161.1	Ca_kabuli_chr02	30447239	TT	CC	1940153292

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28842_30447726	NC_021161.1	Ca_kabuli_chr02	30447726	AA	GG	1940153294
SNP_P1_28843_30447727	NC_021161.1	Ca_kabuli_chr02	30447727	CC	GG	1940153295
SNP_P1_28844_30447734	NC_021161.1	Ca_kabuli_chr02	30447734	GG	AA	1940153296
SNP_P1_28845_30447736	NC_021161.1	Ca_kabuli_chr02	30447736	AA	GG	1940153297
SNP_P1_28847_30447827	NC_021161.1	Ca_kabuli_chr02	30447827	TT	GG	1940153298
SNP_P1_28848_30447828	NC_021161.1	Ca_kabuli_chr02	30447828	TT	AA	1940153299
SNP_P1_28849_30448041	NC_021161.1	Ca_kabuli_chr02	30448041	CC	AA	1940153300
SNP_P1_28852_30448408	NC_021161.1	Ca_kabuli_chr02	30448408	AA	TT	1940153301
SNP_P1_28853_30448416	NC_021161.1	Ca_kabuli_chr02	30448416	TT	CC	1940153302
SNP_P1_28854_30448824	NC_021161.1	Ca_kabuli_chr02	30448824	TT	GG	1940153303
SNP_P1_28856_30449003	NC_021161.1	Ca_kabuli_chr02	30449003	CC	TT	1940153304
SNP_P1_28857_30449144	NC_021161.1	Ca_kabuli_chr02	30449144	CC	TT	1940153305
SNP_P1_28859_30449219	NC_021161.1	Ca_kabuli_chr02	30449219	CC	TT	1940153306
SNP_P1_28860_30449269	NC_021161.1	Ca_kabuli_chr02	30449269	GG	AA	1940153307
SNP_P1_28861_30449893	NC_021161.1	Ca_kabuli_chr02	30449893	AA	TT	1940153308
SNP_P1_28862_30450035	NC_021161.1	Ca_kabuli_chr02	30450035	CC	TT	1940153309
SNP_P1_28863_30450053	NC_021161.1	Ca_kabuli_chr02	30450053	TT	CC	1940153310
SNP_P1_28864_30450072	NC_021161.1	Ca_kabuli_chr02	30450072	GG	AA	1940153312
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SNP_P1_28867_30450477	NC_021161.1	Ca_kabuli_chr02	30450477	AA	GG	1940153315
SNP_P1_28868_30450485	NC_021161.1	Ca_kabuli_chr02	30450485	CC	GG	1940153316
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SNP_P1_28874_30453906	NC_021161.1	Ca_kabuli_chr02	30453906	TT	CC	1940153321
SNP_P1_28875_30456056	NC_021161.1	Ca_kabuli_chr02	30456056	AA	GG	1940153322
SNP_P1_28876_30456118	NC_021161.1	Ca_kabuli_chr02	30456118	TT	AA	1940153323
SNP_P1_28877_30456427	NC_021161.1	Ca_kabuli_chr02	30456427	GG	AA	1940153324
SNP_P1_28878_30456668	NC_021161.1	Ca_kabuli_chr02	30456668	CC	AA	1940153325
SNP_P1_28879_30456697	NC_021161.1	Ca_kabuli_chr02	30456697	AA	TT	1940153326
SNP_P1_28881_30456740	NC_021161.1	Ca_kabuli_chr02	30456740	GG	AA	1940153327
SNP_P1_28882_30457057	NC_021161.1	Ca_kabuli_chr02	30457057	TT	GG	1940153328
SNP_P1_28883_30457263	NC_021161.1	Ca_kabuli_chr02	30457263	AA	GG	1940153329
SNP_P1_28885_30457322	NC_021161.1	Ca_kabuli_chr02	30457322	CC	TT	1940153330
SNP_P1_28886_30457999	NC_021161.1	Ca_kabuli_chr02	30457999	CC	TT	1940153331
SNP_P1_28887_30458063	NC_021161.1	Ca_kabuli_chr02	30458063	AA	CC	1940153332
SNP_P1_28888_30458064	NC_021161.1	Ca_kabuli_chr02	30458064	GG	TT	1940153333
SNP_P1_28889_30458094	NC_021161.1	Ca_kabuli_chr02	30458094	TT	CC	1940153334
SNP_P1_28890_30458098	NC_021161.1	Ca_kabuli_chr02	30458098	GG	AA	1940153335

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28893_30459113	NC_021161.1	Ca_kabuli_chr02	30459113	CC	GG	1940153338
SNP_P1_28894_30459302	NC_021161.1	Ca_kabuli_chr02	30459302	AA	TT	1940153339
SNP_P1_28895_30459338	NC_021161.1	Ca_kabuli_chr02	30459338	CC	TT	1940153340
SNP_P1_28896_30460554	NC_021161.1	Ca_kabuli_chr02	30460554	GG	AA	1940153341
SNP_P1_28898_30461327	NC_021161.1	Ca_kabuli_chr02	30461327	GG	AA	1940153342
SNP_P1_28900_30461799	NC_021161.1	Ca_kabuli_chr02	30461799	CC	TT	1940153343
SNP_P1_28901_30461814	NC_021161.1	Ca_kabuli_chr02	30461814	TT	AA	1940153345
SNP_P1_28902_30461976	NC_021161.1	Ca_kabuli_chr02	30461976	AA	TT	1940153346
SNP_P1_28903_30461993	NC_021161.1	Ca_kabuli_chr02	30461993	AA	CC	1940153347
SNP_P1_28904_30462149	NC_021161.1	Ca_kabuli_chr02	30462149	AA	TT	1940153348
SNP_P1_28905_30462219	NC_021161.1	Ca_kabuli_chr02	30462219	TT	AA	1940153349
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SNP_P1_28908_30462603	NC_021161.1	Ca_kabuli_chr02	30462603	CC	TT	1940153352
SNP_P1_28909_30462945	NC_021161.1	Ca_kabuli_chr02	30462945	AA	GG	1940153353
SNP_P1_28910_30463073	NC_021161.1	Ca_kabuli_chr02	30463073	TT	CC	1940153354
SNP_P1_28911_30463126	NC_021161.1	Ca_kabuli_chr02	30463126	TT	AA	1940153355
SNP_P1_28912_30463127	NC_021161.1	Ca_kabuli_chr02	30463127	TT	GG	1940153356
SNP_P1_28913_30463153	NC_021161.1	Ca_kabuli_chr02	30463153	AA	GG	1940153357
SNP_P1_28914_30463160	NC_021161.1	Ca_kabuli_chr02	30463160	AA	TT	1940153358
SNP_P1_28915_30463180	NC_021161.1	Ca_kabuli_chr02	30463180	TT	CC	1940153359
SNP_P1_28916_30463494	NC_021161.1	Ca_kabuli_chr02	30463494	GG	AA	1940153360
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SNP_P1_28918_30463520	NC_021161.1	Ca_kabuli_chr02	30463520	AA	GG	1940153362
SNP_P1_28920_30464384	NC_021161.1	Ca_kabuli_chr02	30464384	AA	GG	1940153363
SNP_P1_28921_30464592	NC_021161.1	Ca_kabuli_chr02	30464592	AA	TT	1940153364
SNP_P1_28922_30464905	NC_021161.1	Ca_kabuli_chr02	30464905	CC	TT	1940153365
SNP_P1_28923_30465205	NC_021161.1	Ca_kabuli_chr02	30465205	TT	AA	1940153366
SNP_P1_28924_30465710	NC_021161.1	Ca_kabuli_chr02	30465710	GG	AA	1940153367
SNP_P1_28925_30465757	NC_021161.1	Ca_kabuli_chr02	30465757	GG	AA	1940153368
SNP_P1_28926_30465903	NC_021161.1	Ca_kabuli_chr02	30465903	AA	TT	1940153369
SNP_P1_28928_30467311	NC_021161.1	Ca_kabuli_chr02	30467311	GG	AA	1940153370
SNP_P1_28929_30467551	NC_021161.1	Ca_kabuli_chr02	30467551	TT	AA	1940153371
SNP_P1_28931_30467977	NC_021161.1	Ca_kabuli_chr02	30467977	TT	CC	1940153372
SNP_P1_28932_30468316	NC_021161.1	Ca_kabuli_chr02	30468316	AA	TT	1940153373
SNP_P1_28933_30468319	NC_021161.1	Ca_kabuli_chr02	30468319	GG	AA	1940153374
SNP_P1_28934_30468517	NC_021161.1	Ca_kabuli_chr02	30468517	TT	CC	1940153375
SNP_P1_28935_30468533	NC_021161.1	Ca_kabuli_chr02	30468533	AA	GG	1940153376
SNP_P1_28936_30468535	NC_021161.1	Ca_kabuli_chr02	30468535	CC	TT	1940153377
SNP_P1_28937_30468573	NC_021161.1	Ca_kabuli_chr02	30468573	CC	TT	1940153378

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28939_30468988	NC_021161.1	Ca_kabuli_chr02	30468988	CC	AA	1940153380
SNP_P1_28940_30469087	NC_021161.1	Ca_kabuli_chr02	30469087	TT	AA	1940153381
SNP_P1_28941_30469211	NC_021161.1	Ca_kabuli_chr02	30469211	AA	GG	1940153382
SNP_P1_28942_30472895	NC_021161.1	Ca_kabuli_chr02	30472895	TT	CC	1940153384
SNP_P1_28943_30473207	NC_021161.1	Ca_kabuli_chr02	30473207	CC	TT	1940153385
SNP_P1_28944_30473216	NC_021161.1	Ca_kabuli_chr02	30473216	AA	TT	1940153386
SNP_P1_28945_30473247	NC_021161.1	Ca_kabuli_chr02	30473247	TT	CC	1940153387
SNP_P1_28946_30473409	NC_021161.1	Ca_kabuli_chr02	30473409	GG	TT	1940153388
SNP_P1_28948_30474108	NC_021161.1	Ca_kabuli_chr02	30474108	CC	TT	1940153389
SNP_P1_28949_30474405	NC_021161.1	Ca_kabuli_chr02	30474405	CC	TT	1940153390
SNP_P1_28950_30474436	NC_021161.1	Ca_kabuli_chr02	30474436	GG	TT	1940153391
SNP_P1_28951_30474454	NC_021161.1	Ca_kabuli_chr02	30474454	CC	TT	1940153392
SNP_P1_28952_30474459	NC_021161.1	Ca_kabuli_chr02	30474459	CC	AA	1940153393
SNP_P1_28953_30475361	NC_021161.1	Ca_kabuli_chr02	30475361	CC	AA	1940153394
SNP_P1_28954_30476111	NC_021161.1	Ca_kabuli_chr02	30476111	TT	CC	1940153395
SNP_P1_28955_30476117	NC_021161.1	Ca_kabuli_chr02	30476117	TT	GG	1940153396
SNP_P1_28956_30476143	NC_021161.1	Ca_kabuli_chr02	30476143	TT	CC	1940153397
SNP_P1_28957_30476324	NC_021161.1	Ca_kabuli_chr02	30476324	GG	AA	1940153398
SNP_P1_28958_30476375	NC_021161.1	Ca_kabuli_chr02	30476375	CC	AA	1940153399
SNP_P1_28959_30476459	NC_021161.1	Ca_kabuli_chr02	30476459	TT	CC	1940153400
SNP_P1_28960_30477314	NC_021161.1	Ca_kabuli_chr02	30477314	CC	AA	1940153401
SNP_P1_28961_30478472	NC_021161.1	Ca_kabuli_chr02	30478472	AA	GG	1940153402
SNP_P1_28963_30478610	NC_021161.1	Ca_kabuli_chr02	30478610	GG	AA	1940153403
SNP_P1_28964_30478769	NC_021161.1	Ca_kabuli_chr02	30478769	AA	TT	1940153404
SNP_P1_28965_30478777	NC_021161.1	Ca_kabuli_chr02	30478777	AA	GG	1940153405
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SNP_P1_28967_30478833	NC_021161.1	Ca_kabuli_chr02	30478833	GG	AA	1940153407
SNP_P1_28971_30481845	NC_021161.1	Ca_kabuli_chr02	30481845	AA	TT	1940153408
SNP_P1_28972_30481887	NC_021161.1	Ca_kabuli_chr02	30481887	TT	CC	1940153409
SNP_P1_28974_30482457	NC_021161.1	Ca_kabuli_chr02	30482457	TT	AA	1940153410
SNP_P1_28975_30483410	NC_021161.1	Ca_kabuli_chr02	30483410	CC	TT	1940153411
SNP_P1_28976_30484735	NC_021161.1	Ca_kabuli_chr02	30484735	GG	AA	1940153412
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SNP_P1_28981_30487790	NC_021161.1	Ca_kabuli_chr02	30487790	AA	TT	1940153415
SNP_P1_28982_30488699	NC_021161.1	Ca_kabuli_chr02	30488699	AA	GG	1940153416
SNP_P1_28983_30488706	NC_021161.1	Ca_kabuli_chr02	30488706	GG	AA	1940153417
SNP_P1_28984_30488719	NC_021161.1	Ca_kabuli_chr02	30488719	CC	AA	1940153418
SNP_P1_28985_30488763	NC_021161.1	Ca_kabuli_chr02	30488763	GG	AA	1940153419
SNP_P1_28986_30488992	NC_021161.1	Ca_kabuli_chr02	30488992	AA	GG	1940153420
SNP_P1_28987_30489035	NC_021161.1	Ca_kabuli_chr02	30489035	TT	CC	1940153421

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_28989_30489339	NC_021161.1	Ca_kabuli_chr02	30489339	CC	TT	1940153423
SNP_P1_28991_30489863	NC_021161.1	Ca_kabuli_chr02	30489863	AA	GG	1940153424
SNP_P1_28992_30489869	NC_021161.1	Ca_kabuli_chr02	30489869	CC	TT	1940153425
SNP_P1_28993_30490049	NC_021161.1	Ca_kabuli_chr02	30490049	AA	GG	1940153426
SNP_P1_28996_30490283	NC_021161.1	Ca_kabuli_chr02	30490283	AA	TT	1940153427
SNP_P1_28997_30490297	NC_021161.1	Ca_kabuli_chr02	30490297	TT	AA	1940153428
SNP_P1_28998_30490437	NC_021161.1	Ca_kabuli_chr02	30490437	AA	GG	1940153430
SNP_P1_28999_30490448	NC_021161.1	Ca_kabuli_chr02	30490448	TT	AA	1940153431
SNP_P1_29002_30493894	NC_021161.1	Ca_kabuli_chr02	30493894	AA	CC	1940153432
SNP_P1_29003_30493930	NC_021161.1	Ca_kabuli_chr02	30493930	AA	CC	1940153433
SNP_P1_29004_30494139	NC_021161.1	Ca_kabuli_chr02	30494139	CC	TT	1940153434
SNP_P1_29005_30494179	NC_021161.1	Ca_kabuli_chr02	30494179	CC	TT	1940153435
SNP_P1_29006_30494198	NC_021161.1	Ca_kabuli_chr02	30494198	AA	GG	1940153436
SNP_P1_29007_30500037	NC_021161.1	Ca_kabuli_chr02	30500037	TT	CC	1940153437
SNP_P1_29010_30500318	NC_021161.1	Ca_kabuli_chr02	30500318	TT	AA	1940153438
SNP_P1_29011_30500387	NC_021161.1	Ca_kabuli_chr02	30500387	GG	AA	1940153439
SNP_P1_29012_30500423	NC_021161.1	Ca_kabuli_chr02	30500423	TT	CC	1940153440
SNP_P1_29013_30500540	NC_021161.1	Ca_kabuli_chr02	30500540	TT	CC	1940153441
SNP_P1_29014_30500552	NC_021161.1	Ca_kabuli_chr02	30500552	AA	TT	1940153442
SNP_P1_29015_30500580	NC_021161.1	Ca_kabuli_chr02	30500580	GG	TT	1940153443
SNP_P1_29018_30504126	NC_021161.1	Ca_kabuli_chr02	30504126	AA	GG	1940153444
SNP_P1_29019_30504142	NC_021161.1	Ca_kabuli_chr02	30504142	AA	TT	1940153445
SNP_P1_29020_30504195	NC_021161.1	Ca_kabuli_chr02	30504195	AA	GG	1940153446
SNP_P1_29021_30504221	NC_021161.1	Ca_kabuli_chr02	30504221	GG	AA	1940153447
SNP_P1_29022_30504241	NC_021161.1	Ca_kabuli_chr02	30504241	TT	CC	1940153448
SNP_P1_29023_30504259	NC_021161.1	Ca_kabuli_chr02	30504259	TT	CC	1940153449
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SNP_P1_29025_30504293	NC_021161.1	Ca_kabuli_chr02	30504293	CC	AA	1940153451
SNP_P1_29026_30504364	NC_021161.1	Ca_kabuli_chr02	30504364	TT	CC	1940153452
SNP_P1_29027_30505703	NC_021161.1	Ca_kabuli_chr02	30505703	AA	TT	1940153453
SNP_P1_29028_30505708	NC_021161.1	Ca_kabuli_chr02	30505708	AA	GG	1940153454
SNP_P1_29029_30506532	NC_021161.1	Ca_kabuli_chr02	30506532	TT	CC	1940153455
SNP_P1_29030_30506618	NC_021161.1	Ca_kabuli_chr02	30506618	GG	AA	1940153456
SNP_P1_29031_30507299	NC_021161.1	Ca_kabuli_chr02	30507299	GG	AA	1940153457
SNP_P1_29032_30507312	NC_021161.1	Ca_kabuli_chr02	30507312	GG	AA	1940153458
SNP_P1_29033_30507461	NC_021161.1	Ca_kabuli_chr02	30507461	TT	CC	1940153459
SNP_P1_29035_30508256	NC_021161.1	Ca_kabuli_chr02	30508256	TT	CC	1940153460
SNP_P1_29036_30508535	NC_021161.1	Ca_kabuli_chr02	30508535	AA	GG	1940153461
SNP_P1_29037_30510100	NC_021161.1	Ca_kabuli_chr02	30510100	TT	CC	1940153462
SNP_P1_29039_30510498	NC_021161.1	Ca_kabuli_chr02	30510498	GG	AA	1940153463
SNP_P1_29040_30510819	NC_021161.1	Ca_kabuli_chr02	30510819	TT	CC	1940153464

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29042_30510916	NC_021161.1	Ca_kabuli_chr02	30510916	AA	GG	1940153466
SNP_P1_29043_30510948	NC_021161.1	Ca_kabuli_chr02	30510948	CC	TT	1940153467
SNP_P1_29044_30510985	NC_021161.1	Ca_kabuli_chr02	30510985	AA	GG	1940153468
SNP_P1_29045_30511036	NC_021161.1	Ca_kabuli_chr02	30511036	GG	AA	1940153469
SNP_P1_29046_30511160	NC_021161.1	Ca_kabuli_chr02	30511160	GG	AA	1940153470
SNP_P1_29047_30511188	NC_021161.1	Ca_kabuli_chr02	30511188	AA	GG	1940153471
SNP_P1_29048_30513721	NC_021161.1	Ca_kabuli_chr02	30513721	TT	CC	1940153472
SNP_P1_29049_30513750	NC_021161.1	Ca_kabuli_chr02	30513750	GG	TT	1940153473
SNP_P1_29051_30514256	NC_021161.1	Ca_kabuli_chr02	30514256	TT	GG	1940153474
SNP_P1_29055_30516144	NC_021161.1	Ca_kabuli_chr02	30516144	CC	TT	1940153475
SNP_P1_29056_30516273	NC_021161.1	Ca_kabuli_chr02	30516273	CC	TT	1940153476
SNP_P1_29058_30517202	NC_021161.1	Ca_kabuli_chr02	30517202	CC	TT	1940153477
SNP_P1_29059_30517205	NC_021161.1	Ca_kabuli_chr02	30517205	GG	CC	1940153479
SNP_P1_29060_30517251	NC_021161.1	Ca_kabuli_chr02	30517251	AA	GG	1940153480
SNP_P1_29061_30517281	NC_021161.1	Ca_kabuli_chr02	30517281	AA	GG	1940153481
SNP_P1_29062_30517317	NC_021161.1	Ca_kabuli_chr02	30517317	GG	AA	1940153482
SNP_P1_29063_30517462	NC_021161.1	Ca_kabuli_chr02	30517462	TT	AA	1940153483
SNP_P1_29064_30517543	NC_021161.1	Ca_kabuli_chr02	30517543	AA	GG	1940153484
SNP_P1_29065_30517620	NC_021161.1	Ca_kabuli_chr02	30517620	AA	GG	1940153485
SNP_P1_29066_30517625	NC_021161.1	Ca_kabuli_chr02	30517625	AA	TT	1940153486
SNP_P1_29067_30517626	NC_021161.1	Ca_kabuli_chr02	30517626	AA	TT	1940153487
SNP_P1_29068_30517863	NC_021161.1	Ca_kabuli_chr02	30517863	TT	CC	1940153488
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SNP_P1_29071_30521556	NC_021161.1	Ca_kabuli_chr02	30521556	GG	AA	1940153491
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SNP_P1_29073_30522314	NC_021161.1	Ca_kabuli_chr02	30522314	AA	GG	1940153493
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SNP_P1_29078_30525727	NC_021161.1	Ca_kabuli_chr02	30525727	CC	TT	1940153495
SNP_P1_29079_30525768	NC_021161.1	Ca_kabuli_chr02	30525768	TT	CC	1940153496
SNP_P1_29080_30525787	NC_021161.1	Ca_kabuli_chr02	30525787	TT	GG	1940153497
SNP_P1_29081_30525788	NC_021161.1	Ca_kabuli_chr02	30525788	CC	TT	1940153498
SNP_P1_29082_30525790	NC_021161.1	Ca_kabuli_chr02	30525790	CC	TT	1940153499
SNP_P1_29083_30526059	NC_021161.1	Ca_kabuli_chr02	30526059	AA	GG	1940153500
SNP_P1_29084_30526273	NC_021161.1	Ca_kabuli_chr02	30526273	GG	TT	1940153501
SNP_P1_29085_30526325	NC_021161.1	Ca_kabuli_chr02	30526325	AA	CC	1940153502
SNP_P1_29087_30526519	NC_021161.1	Ca_kabuli_chr02	30526519	GG	AA	1940153503
SNP_P1_29088_30526578	NC_021161.1	Ca_kabuli_chr02	30526578	TT	GG	1940153504
SNP_P1_29089_30526953	NC_021161.1	Ca_kabuli_chr02	30526953	TT	GG	1940153505
SNP_P1_29090_30526959	NC_021161.1	Ca_kabuli_chr02	30526959	TT	GG	1940153506
SNP_P1_29094_30530268	NC_021161.1	Ca_kabuli_chr02	30530268	AA	TT	1940153507

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29097_30537150	NC_021161.1	Ca_kabuli_chr02	30537150	GG	AA	1940153510
SNP_P1_29098_30537378	NC_021161.1	Ca_kabuli_chr02	30537378	CC	TT	1940153511
SNP_P1_29099_30537397	NC_021161.1	Ca_kabuli_chr02	30537397	AA	TT	1940153512
SNP_P1_29100_30537408	NC_021161.1	Ca_kabuli_chr02	30537408	CC	GG	1940153513
SNP_P1_29101_30537412	NC_021161.1	Ca_kabuli_chr02	30537412	GG	CC	1940153514
SNP_P1_29102_30537701	NC_021161.1	Ca_kabuli_chr02	30537701	AA	TT	1940153515
SNP_P1_29103_30537761	NC_021161.1	Ca_kabuli_chr02	30537761	TT	CC	1940153516
SNP_P1_29104_30538869	NC_021161.1	Ca_kabuli_chr02	30538869	AA	TT	1940153517
SNP_P1_29105_30539227	NC_021161.1	Ca_kabuli_chr02	30539227	AA	CC	1940153518
SNP_P1_29106_30539367	NC_021161.1	Ca_kabuli_chr02	30539367	CC	TT	1940153519
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SNP_P1_29109_30546743	NC_021161.1	Ca_kabuli_chr02	30546743	GG	AA	1940153523
SNP_P1_29110_30547364	NC_021161.1	Ca_kabuli_chr02	30547364	TT	CC	1940153524
SNP_P1_29111_30547371	NC_021161.1	Ca_kabuli_chr02	30547371	AA	CC	1940153525
SNP_P1_29112_30547386	NC_021161.1	Ca_kabuli_chr02	30547386	CC	TT	1940153526
SNP_P1_29113_30547419	NC_021161.1	Ca_kabuli_chr02	30547419	CC	TT	1940153527
SNP_P1_29114_30547436	NC_021161.1	Ca_kabuli_chr02	30547436	TT	CC	1940153528
SNP_P1_29115_30547459	NC_021161.1	Ca_kabuli_chr02	30547459	TT	AA	1940153529
SNP_P1_29116_30547488	NC_021161.1	Ca_kabuli_chr02	30547488	CC	TT	1940153530
SNP_P1_29117_30547915	NC_021161.1	Ca_kabuli_chr02	30547915	CC	AA	1940153531
SNP_P1_29118_30547917	NC_021161.1	Ca_kabuli_chr02	30547917	AA	GG	1940153532
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SNP_P1_29120_30549225	NC_021161.1	Ca_kabuli_chr02	30549225	TT	CC	1940153534
SNP_P1_29121_30549234	NC_021161.1	Ca_kabuli_chr02	30549234	GG	AA	1940153535
SNP_P1_29122_30549286	NC_021161.1	Ca_kabuli_chr02	30549286	AA	GG	1940153536
SNP_P1_29123_30549309	NC_021161.1	Ca_kabuli_chr02	30549309	CC	GG	1940153537
SNP_P1_29124_30549321	NC_021161.1	Ca_kabuli_chr02	30549321	CC	TT	1940153538
SNP_P1_29125_30549477	NC_021161.1	Ca_kabuli_chr02	30549477	AA	CC	1940153539
SNP_P1_29126_30549747	NC_021161.1	Ca_kabuli_chr02	30549747	GG	AA	1940153540
SNP_P1_29128_30550831	NC_021161.1	Ca_kabuli_chr02	30550831	CC	TT	1940153541
SNP_P1_29130_30553189	NC_021161.1	Ca_kabuli_chr02	30553189	AA	GG	1940153542
SNP_P1_29133_30553568	NC_021161.1	Ca_kabuli_chr02	30553568	CC	GG	1940153543
SNP_P1_29134_30553736	NC_021161.1	Ca_kabuli_chr02	30553736	GG	AA	1940153544
SNP_P1_29135_30554108	NC_021161.1	Ca_kabuli_chr02	30554108	AA	TT	1940153545
SNP_P1_29136_30554115	NC_021161.1	Ca_kabuli_chr02	30554115	GG	AA	1940153546
SNP_P1_29137_30554271	NC_021161.1	Ca_kabuli_chr02	30554271	CC	TT	1940153547
SNP_P1_29138_30554286	NC_021161.1	Ca_kabuli_chr02	30554286	CC	TT	1940153548
SNP_P1_29139_30554363	NC_021161.1	Ca_kabuli_chr02	30554363	GG	AA	1940153549
SNP_P1_29140_30554645	NC_021161.1	Ca_kabuli_chr02	30554645	TT	CC	1940153550

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29142_30554655	NC_021161.1	Ca_kabuli_chr02	30554655	GG	AA	1940153552
SNP_P1_29143_30554659	NC_021161.1	Ca_kabuli_chr02	30554659	AA	GG	1940153553
SNP_P1_29145_30555790	NC_021161.1	Ca_kabuli_chr02	30555790	TT	GG	1940153554
SNP_P1_29146_30556045	NC_021161.1	Ca_kabuli_chr02	30556045	AA	CC	1940153555
SNP_P1_29147_30556121	NC_021161.1	Ca_kabuli_chr02	30556121	AA	GG	1940153556
SNP_P1_29148_30556129	NC_021161.1	Ca_kabuli_chr02	30556129	TT	CC	1940153557
SNP_P1_29149_30556355	NC_021161.1	Ca_kabuli_chr02	30556355	AA	GG	1940153558
SNP_P1_29150_30556392	NC_021161.1	Ca_kabuli_chr02	30556392	AA	GG	1940153559
SNP_P1_29151_30556556	NC_021161.1	Ca_kabuli_chr02	30556556	TT	CC	1940153560
SNP_P1_29152_30556697	NC_021161.1	Ca_kabuli_chr02	30556697	CC	TT	1940153562
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SNP_P1_29158_30558095	NC_021161.1	Ca_kabuli_chr02	30558095	AA	GG	1940153568
SNP_P1_29162_30559214	NC_021161.1	Ca_kabuli_chr02	30559214	AA	GG	1940153569
SNP_P1_29163_30559430	NC_021161.1	Ca_kabuli_chr02	30559430	GG	TT	1940153570
SNP_P1_29164_30559819	NC_021161.1	Ca_kabuli_chr02	30559819	TT	GG	1940153571
SNP_P1_29165_30559998	NC_021161.1	Ca_kabuli_chr02	30559998	CC	TT	1940153572
SNP_P1_29166_30560004	NC_021161.1	Ca_kabuli_chr02	30560004	GG	AA	1940153573
SNP_P1_29167_30560034	NC_021161.1	Ca_kabuli_chr02	30560034	CC	TT	1940153574
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SNP_P1_29169_30560068	NC_021161.1	Ca_kabuli_chr02	30560068	AA	GG	1940153576
SNP_P1_29170_30560083	NC_021161.1	Ca_kabuli_chr02	30560083	AA	GG	1940153577
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SNP_P1_29174_30560481	NC_021161.1	Ca_kabuli_chr02	30560481	GG	AA	1940153581
SNP_P1_29175_30560509	NC_021161.1	Ca_kabuli_chr02	30560509	AA	GG	1940153582
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SNP_P1_29178_30561127	NC_021161.1	Ca_kabuli_chr02	30561127	GG	CC	1940153585
SNP_P1_29179_30561191	NC_021161.1	Ca_kabuli_chr02	30561191	CC	AA	1940153586
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SNP_P1_29183_30563453	NC_021161.1	Ca_kabuli_chr02	30563453	GG	AA	1940153589
SNP_P1_29184_30563462	NC_021161.1	Ca_kabuli_chr02	30563462	AA	GG	1940153590
SNP_P1_29185_30563506	NC_021161.1	Ca_kabuli_chr02	30563506	AA	GG	1940153591
SNP_P1_29186_30563620	NC_021161.1	Ca_kabuli_chr02	30563620	AA	GG	1940153592
SNP_P1_29187_30563628	NC_021161.1	Ca_kabuli_chr02	30563628	TT	GG	1940153593

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29190_30563723	NC_021161.1	Ca_kabuli_chr02	30563723	TT	CC	1940153596
SNP_P1_29191_30563724	NC_021161.1	Ca_kabuli_chr02	30563724	GG	AA	1940153597
SNP_P1_29192_30563753	NC_021161.1	Ca_kabuli_chr02	30563753	CC	GG	1940153598
SNP_P1_29194_30563806	NC_021161.1	Ca_kabuli_chr02	30563806	TT	CC	1940153599
SNP_P1_29195_30564022	NC_021161.1	Ca_kabuli_chr02	30564022	GG	TT	1940153600
SNP_P1_29196_30564035	NC_021161.1	Ca_kabuli_chr02	30564035	GG	AA	1940153601
SNP_P1_29197_30564044	NC_021161.1	Ca_kabuli_chr02	30564044	GG	AA	1940153602
SNP_P1_29198_30564059	NC_021161.1	Ca_kabuli_chr02	30564059	AA	CC	1940153603
SNP_P1_29199_30564103	NC_021161.1	Ca_kabuli_chr02	30564103	AA	GG	1940153604
SNP_P1_29200_30565603	NC_021161.1	Ca_kabuli_chr02	30565603	AA	TT	1940153605
SNP_P1_29201_30565619	NC_021161.1	Ca_kabuli_chr02	30565619	GG	CC	1940153606
SNP_P1_29202_30566013	NC_021161.1	Ca_kabuli_chr02	30566013	TT	GG	1940153607
SNP_P1_29203_30566328	NC_021161.1	Ca_kabuli_chr02	30566328	AA	TT	1940153608
SNP_P1_29204_30566329	NC_021161.1	Ca_kabuli_chr02	30566329	GG	AA	1940153609
SNP_P1_29205_30566337	NC_021161.1	Ca_kabuli_chr02	30566337	AA	TT	1940153610
SNP_P1_29206_30566674	NC_021161.1	Ca_kabuli_chr02	30566674	TT	AA	1940153612
SNP_P1_29207_30566742	NC_021161.1	Ca_kabuli_chr02	30566742	CC	TT	1940153613
SNP_P1_29208_30566753	NC_021161.1	Ca_kabuli_chr02	30566753	CC	AA	1940153614
SNP_P1_29209_30566988	NC_021161.1	Ca_kabuli_chr02	30566988	TT	GG	1940153615
SNP_P1_29210_30567019	NC_021161.1	Ca_kabuli_chr02	30567019	AA	GG	1940153616
SNP_P1_29211_30568132	NC_021161.1	Ca_kabuli_chr02	30568132	AA	TT	1940153617
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SNP_P1_29215_30569249	NC_021161.1	Ca_kabuli_chr02	30569249	AA	CC	1940153619
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SNP_P1_29218_30572292	NC_021161.1	Ca_kabuli_chr02	30572292	CC	TT	1940153621
SNP_P1_29223_30573707	NC_021161.1	Ca_kabuli_chr02	30573707	AA	CC	1940153622
SNP_P1_29224_30573893	NC_021161.1	Ca_kabuli_chr02	30573893	AA	TT	1940153623
SNP_P1_29225_30573896	NC_021161.1	Ca_kabuli_chr02	30573896	TT	CC	1940153624
SNP_P1_29227_30574252	NC_021161.1	Ca_kabuli_chr02	30574252	AA	TT	1940153625
SNP_P1_29228_30574277	NC_021161.1	Ca_kabuli_chr02	30574277	AA	CC	1940153626
SNP_P1_29230_30574765	NC_021161.1	Ca_kabuli_chr02	30574765	TT	CC	1940153627
SNP_P1_29231_30574820	NC_021161.1	Ca_kabuli_chr02	30574820	CC	TT	1940153628
SNP_P1_29232_30574844	NC_021161.1	Ca_kabuli_chr02	30574844	TT	AA	1940153629
SNP_P1_29233_30574991	NC_021161.1	Ca_kabuli_chr02	30574991	AA	GG	1940153630
SNP_P1_29236_30576731	NC_021161.1	Ca_kabuli_chr02	30576731	TT	CC	1940153631
SNP_P1_29238_30577771	NC_021161.1	Ca_kabuli_chr02	30577771	CC	GG	1940153632
SNP_P1_29239_30578024	NC_021161.1	Ca_kabuli_chr02	30578024	TT	AA	1940153633
SNP_P1_29240_30579172	NC_021161.1	Ca_kabuli_chr02	30579172	GG	AA	1940153634
SNP_P1_29241_30579222	NC_021161.1	Ca_kabuli_chr02	30579222	AA	GG	1940153635
SNP_P1_29242_30579406	NC_021161.1	Ca_kabuli_chr02	30579406	AA	TT	1940153636

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29245_30579892	NC_021161.1	Ca_kabuli_chr02	30579892	GG	CC	1940153639
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SNP_P1_29247_30581137	NC_021161.1	Ca_kabuli_chr02	30581137	TT	AA	1940153641
SNP_P1_29248_30581369	NC_021161.1	Ca_kabuli_chr02	30581369	CC	TT	1940153642
SNP_P1_29249_30582181	NC_021161.1	Ca_kabuli_chr02	30582181	CC	AA	1940153644
SNP_P1_29250_30582183	NC_021161.1	Ca_kabuli_chr02	30582183	TT	CC	1940153645
SNP_P1_29251_30582558	NC_021161.1	Ca_kabuli_chr02	30582558	CC	TT	1940153646
SNP_P1_29252_30583261	NC_021161.1	Ca_kabuli_chr02	30583261	TT	CC	1940153647
SNP_P1_29253_30583796	NC_021161.1	Ca_kabuli_chr02	30583796	AA	CC	1940153648
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SNP_P1_29255_30583872	NC_021161.1	Ca_kabuli_chr02	30583872	CC	TT	1940153650
SNP_P1_29256_30583939	NC_021161.1	Ca_kabuli_chr02	30583939	CC	TT	1940153651
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SNP_P1_29258_30584108	NC_021161.1	Ca_kabuli_chr02	30584108	CC	TT	1940153653
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SNP_P1_29261_30584164	NC_021161.1	Ca_kabuli_chr02	30584164	TT	AA	1940153656
SNP_P1_29262_30584656	NC_021161.1	Ca_kabuli_chr02	30584656	GG	AA	1940153657
SNP_P1_29263_30585047	NC_021161.1	Ca_kabuli_chr02	30585047	CC	TT	1940153658
SNP_P1_29264_30585096	NC_021161.1	Ca_kabuli_chr02	30585096	TT	CC	1940153659
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SNP_P1_29267_30586382	NC_021161.1	Ca_kabuli_chr02	30586382	AA	TT	1940153662
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SNP_P1_29271_30592095	NC_021161.1	Ca_kabuli_chr02	30592095	CC	TT	1940153666
SNP_P1_29273_30592857	NC_021161.1	Ca_kabuli_chr02	30592857	CC	TT	1940153667
SNP_P1_29274_30592864	NC_021161.1	Ca_kabuli_chr02	30592864	CC	TT	1940153668
SNP_P1_29275_30593662	NC_021161.1	Ca_kabuli_chr02	30593662	CC	AA	1940153669
SNP_P1_29276_30593687	NC_021161.1	Ca_kabuli_chr02	30593687	AA	GG	1940153670
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SNP_P1_29278_30612829	NC_021161.1	Ca_kabuli_chr02	30612829	TT	CC	1940153672
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SNP_P1_29284_30616852	NC_021161.1	Ca_kabuli_chr02	30616852	GG	AA	1940153678
SNP_P1_29285_30617070	NC_021161.1	Ca_kabuli_chr02	30617070	AA	GG	1940153679
SNP_P1_29286_30617165	NC_021161.1	Ca_kabuli_chr02	30617165	AA	GG	1940153680

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29289_30617639	NC_021161.1	Ca_kabuli_chr02	30617639	AA	CC	1940153683
SNP_P1_29290_30618625	NC_021161.1	Ca_kabuli_chr02	30618625	AA	TT	1940153684
SNP_P1_29291_30618928	NC_021161.1	Ca_kabuli_chr02	30618928	AA	CC	1940153686
SNP_P1_29292_30620176	NC_021161.1	Ca_kabuli_chr02	30620176	CC	GG	1940153687
SNP_P1_29293_30620943	NC_021161.1	Ca_kabuli_chr02	30620943	CC	TT	1940153688
SNP_P1_29294_30621035	NC_021161.1	Ca_kabuli_chr02	30621035	AA	GG	1940153689
SNP_P1_29295_30621227	NC_021161.1	Ca_kabuli_chr02	30621227	GG	TT	1940153690
SNP_P1_29296_30621306	NC_021161.1	Ca_kabuli_chr02	30621306	AA	GG	1940153691
SNP_P1_29297_30621313	NC_021161.1	Ca_kabuli_chr02	30621313	TT	AA	1940153692
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SNP_P1_29301_30621663	NC_021161.1	Ca_kabuli_chr02	30621663	GG	AA	1940153696
SNP_P1_29304_30622740	NC_021161.1	Ca_kabuli_chr02	30622740	AA	TT	1940153697
SNP_P1_29306_30622774	NC_021161.1	Ca_kabuli_chr02	30622774	GG	CC	1940153698
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SNP_P1_29314_30624421	NC_021161.1	Ca_kabuli_chr02	30624421	TT	GG	1940153700
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SNP_P1_29317_30625956	NC_021161.1	Ca_kabuli_chr02	30625956	TT	CC	1940153702
SNP_P1_29318_30630120	NC_021161.1	Ca_kabuli_chr02	30630120	CC	TT	1940153703
SNP_P1_29319_30630121	NC_021161.1	Ca_kabuli_chr02	30630121	TT	CC	1940153704
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SNP_P1_29323_30630723	NC_021161.1	Ca_kabuli_chr02	30630723	CC	TT	1940153707
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SNP_P1_29330_30633161	NC_021161.1	Ca_kabuli_chr02	30633161	GG	AA	1940153712
SNP_P1_29331_30633172	NC_021161.1	Ca_kabuli_chr02	30633172	TT	AA	1940153713
SNP_P1_29332_30633181	NC_021161.1	Ca_kabuli_chr02	30633181	GG	AA	1940153714
SNP_P1_29333_30635940	NC_021161.1	Ca_kabuli_chr02	30635940	AA	TT	1940153715
SNP_P1_29334_30635962	NC_021161.1	Ca_kabuli_chr02	30635962	CC	AA	1940153716
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SNP_P1_29336_30636015	NC_021161.1	Ca_kabuli_chr02	30636015	AA	TT	1940153719
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SNP_P1_29340_30637104	NC_021161.1	Ca_kabuli_chr02	30637104	AA	TT	1940153723
SNP_P1_29342_30637970	NC_021161.1	Ca_kabuli_chr02	30637970	AA	TT	1940153724

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29347_30641442	NC_021161.1	Ca_kabuli_chr02	30641442	CC	TT	1940153728
SNP_P1_29348_30641458	NC_021161.1	Ca_kabuli_chr02	30641458	GG	CC	1940153729
SNP_P1_29349_30641506	NC_021161.1	Ca_kabuli_chr02	30641506	TT	CC	1940153730
SNP_P1_29350_30641510	NC_021161.1	Ca_kabuli_chr02	30641510	CC	TT	1940153731
SNP_P1_29351_30642469	NC_021161.1	Ca_kabuli_chr02	30642469	GG	CC	1940153732
SNP_P1_29353_30642514	NC_021161.1	Ca_kabuli_chr02	30642514	GG	AA	1940153733
SNP_P1_29354_30643029	NC_021161.1	Ca_kabuli_chr02	30643029	TT	GG	1940153734
SNP_P1_29355_30643032	NC_021161.1	Ca_kabuli_chr02	30643032	AA	CC	1940153735
SNP_P1_29356_30643051	NC_021161.1	Ca_kabuli_chr02	30643051	AA	GG	1940153736
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SNP_P1_29358_30643091	NC_021161.1	Ca_kabuli_chr02	30643091	TT	AA	1940153738
SNP_P1_29359_30643098	NC_021161.1	Ca_kabuli_chr02	30643098	GG	CC	1940153739
SNP_P1_29360_30643129	NC_021161.1	Ca_kabuli_chr02	30643129	AA	GG	1940153740
SNP_P1_29361_30643134	NC_021161.1	Ca_kabuli_chr02	30643134	GG	AA	1940153741
SNP_P1_29362_30645300	NC_021161.1	Ca_kabuli_chr02	30645300	TT	GG	1940153742
SNP_P1_29363_30645577	NC_021161.1	Ca_kabuli_chr02	30645577	CC	AA	1940153743
SNP_P1_29365_30646907	NC_021161.1	Ca_kabuli_chr02	30646907	GG	CC	1940153744
SNP_P1_29367_30647179	NC_021161.1	Ca_kabuli_chr02	30647179	TT	CC	1940153745
SNP_P1_29368_30648566	NC_021161.1	Ca_kabuli_chr02	30648566	AA	CC	1940153746
SNP_P1_29369_30648858	NC_021161.1	Ca_kabuli_chr02	30648858	CC	TT	1940153747
SNP_P1_29370_30648862	NC_021161.1	Ca_kabuli_chr02	30648862	TT	GG	1940153748
SNP_P1_29371_30648896	NC_021161.1	Ca_kabuli_chr02	30648896	AA	TT	1940153749
SNP_P1_29372_30649133	NC_021161.1	Ca_kabuli_chr02	30649133	GG	TT	1940153750
SNP_P1_29373_30649226	NC_021161.1	Ca_kabuli_chr02	30649226	CC	TT	1940153751
SNP_P1_29374_30649297	NC_021161.1	Ca_kabuli_chr02	30649297	AA	GG	1940153752
SNP_P1_29375_30649304	NC_021161.1	Ca_kabuli_chr02	30649304	CC	TT	1940153753
SNP_P1_29376_30649305	NC_021161.1	Ca_kabuli_chr02	30649305	AA	CC	1940153755
SNP_P1_29377_30649361	NC_021161.1	Ca_kabuli_chr02	30649361	AA	GG	1940153756
SNP_P1_29378_30650260	NC_021161.1	Ca_kabuli_chr02	30650260	TT	CC	1940153757
SNP_P1_29379_30650288	NC_021161.1	Ca_kabuli_chr02	30650288	AA	GG	1940153758
SNP_P1_29380_30650292	NC_021161.1	Ca_kabuli_chr02	30650292	CC	TT	1940153759
SNP_P1_29381_30650745	NC_021161.1	Ca_kabuli_chr02	30650745	TT	GG	1940153760
SNP_P1_29382_30652194	NC_021161.1	Ca_kabuli_chr02	30652194	GG	AA	1940153761
SNP_P1_29383_30652224	NC_021161.1	Ca_kabuli_chr02	30652224	TT	CC	1940153762
SNP_P1_29384_30652267	NC_021161.1	Ca_kabuli_chr02	30652267	AA	GG	1940153763
SNP_P1_29386_30656147	NC_021161.1	Ca_kabuli_chr02	30656147	TT	CC	1940153764
SNP_P1_29387_30656171	NC_021161.1	Ca_kabuli_chr02	30656171	CC	TT	1940153765
SNP_P1_29388_30656174	NC_021161.1	Ca_kabuli_chr02	30656174	CC	TT	1940153766
SNP_P1_29389_30656187	NC_021161.1	Ca_kabuli_chr02	30656187	GG	AA	1940153767

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29391_30656202	NC_021161.1	Ca_kabuli_chr02	30656202	TT	CC	1940153769
SNP_P1_29392_30656257	NC_021161.1	Ca_kabuli_chr02	30656257	GG	AA	1940153770
SNP_P1_29393_30656261	NC_021161.1	Ca_kabuli_chr02	30656261	CC	TT	1940153771
SNP_P1_29394_30656263	NC_021161.1	Ca_kabuli_chr02	30656263	GG	AA	1940153772
SNP_P1_29395_30656463	NC_021161.1	Ca_kabuli_chr02	30656463	AA	GG	1940153773
SNP_P1_29396_30656481	NC_021161.1	Ca_kabuli_chr02	30656481	GG	AA	1940153774
SNP_P1_29397_30656520	NC_021161.1	Ca_kabuli_chr02	30656520	GG	CC	1940153775
SNP_P1_29398_30657067	NC_021161.1	Ca_kabuli_chr02	30657067	GG	TT	1940153776
SNP_P1_29399_30657096	NC_021161.1	Ca_kabuli_chr02	30657096	CC	TT	1940153777
SNP_P1_29400_30657332	NC_021161.1	Ca_kabuli_chr02	30657332	GG	AA	1940153778
SNP_P1_29401_30657357	NC_021161.1	Ca_kabuli_chr02	30657357	AA	GG	1940153779
SNP_P1_29402_30662224	NC_021161.1	Ca_kabuli_chr02	30662224	CC	TT	1940153780
SNP_P1_29403_30662343	NC_021161.1	Ca_kabuli_chr02	30662343	GG	AA	1940153781
SNP_P1_29404_30662552	NC_021161.1	Ca_kabuli_chr02	30662552	TT	CC	1940153783
SNP_P1_29405_30662598	NC_021161.1	Ca_kabuli_chr02	30662598	TT	AA	1940153784
SNP_P1_29406_30662599	NC_021161.1	Ca_kabuli_chr02	30662599	AA	TT	1940153785
SNP_P1_29407_30663525	NC_021161.1	Ca_kabuli_chr02	30663525	TT	CC	1940153786
SNP_P1_29408_30663527	NC_021161.1	Ca_kabuli_chr02	30663527	GG	AA	1940153787
SNP_P1_29409_30664977	NC_021161.1	Ca_kabuli_chr02	30664977	CC	TT	1940153788
SNP_P1_29410_30665139	NC_021161.1	Ca_kabuli_chr02	30665139	TT	GG	1940153789
SNP_P1_29411_30665142	NC_021161.1	Ca_kabuli_chr02	30665142	AA	GG	1940153790
SNP_P1_29412_30665169	NC_021161.1	Ca_kabuli_chr02	30665169	AA	TT	1940153791
SNP_P1_29413_30665436	NC_021161.1	Ca_kabuli_chr02	30665436	CC	GG	1940153792
SNP_P1_29415_30665823	NC_021161.1	Ca_kabuli_chr02	30665823	GG	AA	1940153793
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SNP_P1_29419_30666811	NC_021161.1	Ca_kabuli_chr02	30666811	CC	GG	1940153795
SNP_P1_29422_30667368	NC_021161.1	Ca_kabuli_chr02	30667368	GG	AA	1940153796
SNP_P1_29424_30667477	NC_021161.1	Ca_kabuli_chr02	30667477	TT	CC	1940153797
SNP_P1_29425_30667911	NC_021161.1	Ca_kabuli_chr02	30667911	AA	GG	1940153799
SNP_P1_29426_30668063	NC_021161.1	Ca_kabuli_chr02	30668063	AA	GG	1940153800
SNP_P1_29429_30670035	NC_021161.1	Ca_kabuli_chr02	30670035	AA	TT	1940153801
SNP_P1_29430_30670044	NC_021161.1	Ca_kabuli_chr02	30670044	TT	CC	1940153802
SNP_P1_29431_30670270	NC_021161.1	Ca_kabuli_chr02	30670270	TT	CC	1940153803
SNP_P1_29432_30671930	NC_021161.1	Ca_kabuli_chr02	30671930	AA	GG	1940153804
SNP_P1_29433_30671931	NC_021161.1	Ca_kabuli_chr02	30671931	AA	CC	1940153805
SNP_P1_29434_30671956	NC_021161.1	Ca_kabuli_chr02	30671956	CC	TT	1940153806
SNP_P1_29435_30671976	NC_021161.1	Ca_kabuli_chr02	30671976	GG	AA	1940153807
SNP_P1_29436_30671988	NC_021161.1	Ca_kabuli_chr02	30671988	CC	TT	1940153808
SNP_P1_29438_30672070	NC_021161.1	Ca_kabuli_chr02	30672070	CC	TT	1940153809
SNP_P1_29439_30672082	NC_021161.1	Ca_kabuli_chr02	30672082	AA	GG	1940153810
SNP_P1_29440_30672123	NC_021161.1	Ca_kabuli_chr02	30672123	GG	AA	1940153811

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29443_30672549	NC_021161.1	Ca_kabuli_chr02	30672549	CC	TT	1940153813
SNP_P1_29444_30672729	NC_021161.1	Ca_kabuli_chr02	30672729	GG	AA	1940153814
SNP_P1_29445_30672739	NC_021161.1	Ca_kabuli_chr02	30672739	GG	TT	1940153815
SNP_P1_29446_30673800	NC_021161.1	Ca_kabuli_chr02	30673800	AA	GG	1940153817
SNP_P1_29447_30673819	NC_021161.1	Ca_kabuli_chr02	30673819	CC	AA	1940153818
SNP_P1_29448_30674013	NC_021161.1	Ca_kabuli_chr02	30674013	CC	AA	1940153819
SNP_P1_29449_30675938	NC_021161.1	Ca_kabuli_chr02	30675938	GG	AA	1940153820
SNP_P1_29452_30676488	NC_021161.1	Ca_kabuli_chr02	30676488	CC	TT	1940153821
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SNP_P1_29454_30676520	NC_021161.1	Ca_kabuli_chr02	30676520	TT	CC	1940153823
SNP_P1_29456_30676791	NC_021161.1	Ca_kabuli_chr02	30676791	GG	AA	1940153824
SNP_P1_29457_30676793	NC_021161.1	Ca_kabuli_chr02	30676793	TT	GG	1940153825
SNP_P1_29458_30676796	NC_021161.1	Ca_kabuli_chr02	30676796	CC	TT	1940153826
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SNP_P1_29461_30677145	NC_021161.1	Ca_kabuli_chr02	30677145	TT	CC	1940153828
SNP_P1_29462_30677293	NC_021161.1	Ca_kabuli_chr02	30677293	AA	GG	1940153829
SNP_P1_29463_30677648	NC_021161.1	Ca_kabuli_chr02	30677648	GG	AA	1940153830
SNP_P1_29464_30678015	NC_021161.1	Ca_kabuli_chr02	30678015	CC	TT	1940153831
SNP_P1_29465_30678035	NC_021161.1	Ca_kabuli_chr02	30678035	AA	GG	1940153832
SNP_P1_29466_30678328	NC_021161.1	Ca_kabuli_chr02	30678328	TT	CC	1940153833
SNP_P1_29467_30678329	NC_021161.1	Ca_kabuli_chr02	30678329	AA	GG	1940153834
SNP_P1_29469_30679052	NC_021161.1	Ca_kabuli_chr02	30679052	TT	AA	1940153835
SNP_P1_29470_30679060	NC_021161.1	Ca_kabuli_chr02	30679060	AA	TT	1940153837
SNP_P1_29471_30679117	NC_021161.1	Ca_kabuli_chr02	30679117	GG	AA	1940153838
SNP_P1_29472_30679151	NC_021161.1	Ca_kabuli_chr02	30679151	TT	AA	1940153839
SNP_P1_29473_30679176	NC_021161.1	Ca_kabuli_chr02	30679176	GG	AA	1940153840
SNP_P1_29474_30679220	NC_021161.1	Ca_kabuli_chr02	30679220	GG	TT	1940153841
SNP_P1_29475_30679331	NC_021161.1	Ca_kabuli_chr02	30679331	AA	CC	1940153842
SNP_P1_29476_30679397	NC_021161.1	Ca_kabuli_chr02	30679397	CC	TT	1940153843
SNP_P1_29477_30679485	NC_021161.1	Ca_kabuli_chr02	30679485	AA	GG	1940153844
SNP_P1_29479_30679654	NC_021161.1	Ca_kabuli_chr02	30679654	AA	CC	1940153845
SNP_P1_29480_30679689	NC_021161.1	Ca_kabuli_chr02	30679689	TT	CC	1940153846
SNP_P1_29481_30679727	NC_021161.1	Ca_kabuli_chr02	30679727	CC	TT	1940153847
SNP_P1_29482_30679728	NC_021161.1	Ca_kabuli_chr02	30679728	AA	GG	1940153848
SNP_P1_29483_30679783	NC_021161.1	Ca_kabuli_chr02	30679783	TT	GG	1940153849
SNP_P1_29484_30679790	NC_021161.1	Ca_kabuli_chr02	30679790	TT	AA	1940153850
SNP_P1_29486_30680764	NC_021161.1	Ca_kabuli_chr02	30680764	CC	TT	1940153851
SNP_P1_29488_30681403	NC_021161.1	Ca_kabuli_chr02	30681403	TT	AA	1940153852
SNP_P1_29489_30681447	NC_021161.1	Ca_kabuli_chr02	30681447	CC	TT	1940153853
SNP_P1_29490_30681457	NC_021161.1	Ca_kabuli_chr02	30681457	CC	GG	1940153854
SNP_P1_29491_30681504	NC_021161.1	Ca_kabuli_chr02	30681504	TT	CC	1940153855

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29493_30681991	NC_021161.1	Ca_kabuli_chr02	30681991	TT	AA	1940153857
SNP_P1_29494_30682029	NC_021161.1	Ca_kabuli_chr02	30682029	AA	TT	1940153858
SNP_P1_29495_30682089	NC_021161.1	Ca_kabuli_chr02	30682089	GG	TT	1940153859
SNP_P1_29496_30682144	NC_021161.1	Ca_kabuli_chr02	30682144	AA	TT	1940153860
SNP_P1_29497_30682159	NC_021161.1	Ca_kabuli_chr02	30682159	GG	TT	1940153861
SNP_P1_29498_30682167	NC_021161.1	Ca_kabuli_chr02	30682167	GG	AA	1940153862
SNP_P1_29499_30683126	NC_021161.1	Ca_kabuli_chr02	30683126	CC	GG	1940153863
SNP_P1_29500_30683656	NC_021161.1	Ca_kabuli_chr02	30683656	CC	TT	1940153864
SNP_P1_29501_30684207	NC_021161.1	Ca_kabuli_chr02	30684207	GG	CC	1940153865
SNP_P1_29502_30685427	NC_021161.1	Ca_kabuli_chr02	30685427	AA	GG	1940153866
SNP_P1_29503_30685441	NC_021161.1	Ca_kabuli_chr02	30685441	TT	CC	1940153867
SNP_P1_29504_30686265	NC_021161.1	Ca_kabuli_chr02	30686265	GG	AA	1940153868
SNP_P1_29505_30686331	NC_021161.1	Ca_kabuli_chr02	30686331	GG	AA	1940153869
SNP_P1_29506_30689361	NC_021161.1	Ca_kabuli_chr02	30689361	GG	TT	1940153870
SNP_P1_29508_30689564	NC_021161.1	Ca_kabuli_chr02	30689564	CC	TT	1940153871
SNP_P1_29511_30689730	NC_021161.1	Ca_kabuli_chr02	30689730	CC	TT	1940153872
SNP_P1_29512_30690067	NC_021161.1	Ca_kabuli_chr02	30690067	CC	TT	1940153874
SNP_P1_29514_30690207	NC_021161.1	Ca_kabuli_chr02	30690207	TT	AA	1940153875
SNP_P1_29517_30690436	NC_021161.1	Ca_kabuli_chr02	30690436	CC	TT	1940153876
SNP_P1_29518_30690448	NC_021161.1	Ca_kabuli_chr02	30690448	GG	AA	1940153877
SNP_P1_29519_30690501	NC_021161.1	Ca_kabuli_chr02	30690501	CC	AA	1940153878
SNP_P1_29520_30690503	NC_021161.1	Ca_kabuli_chr02	30690503	TT	CC	1940153879
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SNP_P1_29526_30690684	NC_021161.1	Ca_kabuli_chr02	30690684	GG	AA	1940153883
SNP_P1_29527_30690826	NC_021161.1	Ca_kabuli_chr02	30690826	AA	TT	1940153884
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SNP_P1_29529_30691674	NC_021161.1	Ca_kabuli_chr02	30691674	GG	CC	1940153886
SNP_P1_29531_30691932	NC_021161.1	Ca_kabuli_chr02	30691932	GG	TT	1940153887
SNP_P1_29532_30692076	NC_021161.1	Ca_kabuli_chr02	30692076	AA	CC	1940153888
SNP_P1_29533_30692165	NC_021161.1	Ca_kabuli_chr02	30692165	AA	TT	1940153889
SNP_P1_29534_30692336	NC_021161.1	Ca_kabuli_chr02	30692336	CC	TT	1940153890
SNP_P1_29535_30692344	NC_021161.1	Ca_kabuli_chr02	30692344	TT	CC	1940153891
SNP_P1_29536_30695598	NC_021161.1	Ca_kabuli_chr02	30695598	TT	GG	1940153892
SNP_P1_29538_30695656	NC_021161.1	Ca_kabuli_chr02	30695656	GG	AA	1940153893
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SNP_P1_29541_30696616	NC_021161.1	Ca_kabuli_chr02	30696616	AA	GG	1940153895
SNP_P1_29542_30697124	NC_021161.1	Ca_kabuli_chr02	30697124	CC	TT	1940153896
SNP_P1_29543_30697148	NC_021161.1	Ca_kabuli_chr02	30697148	TT	GG	1940153897
SNP_P1_29544_30697149	NC_021161.1	Ca_kabuli_chr02	30697149	TT	GG	1940153898

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29552_30703287	NC_021161.1	Ca_kabuli_chr02	30703287	GG	AA	1940153901
SNP_P1_29554_30703675	NC_021161.1	Ca_kabuli_chr02	30703675	CC	GG	1940153902
SNP_P1_29555_30703705	NC_021161.1	Ca_kabuli_chr02	30703705	GG	TT	1940153903
SNP_P1_29556_30703873	NC_021161.1	Ca_kabuli_chr02	30703873	GG	TT	1940153904
SNP_P1_29558_30703996	NC_021161.1	Ca_kabuli_chr02	30703996	AA	TT	1940153905
SNP_P1_29560_30704018	NC_021161.1	Ca_kabuli_chr02	30704018	TT	AA	1940153906
SNP_P1_29561_30704086	NC_021161.1	Ca_kabuli_chr02	30704086	CC	AA	1940153907
SNP_P1_29562_30704627	NC_021161.1	Ca_kabuli_chr02	30704627	CC	TT	1940153909
SNP_P1_29564_30704685	NC_021161.1	Ca_kabuli_chr02	30704685	CC	GG	1940153910
SNP_P1_29566_30706448	NC_021161.1	Ca_kabuli_chr02	30706448	TT	CC	1940153911
SNP_P1_29567_30706490	NC_021161.1	Ca_kabuli_chr02	30706490	TT	GG	1940153912
SNP_P1_29568_30706510	NC_021161.1	Ca_kabuli_chr02	30706510	CC	TT	1940153913
SNP_P1_29569_30706884	NC_021161.1	Ca_kabuli_chr02	30706884	GG	AA	1940153914
SNP_P1_29570_30707376	NC_021161.1	Ca_kabuli_chr02	30707376	AA	TT	1940153915
SNP_P1_29571_30707679	NC_021161.1	Ca_kabuli_chr02	30707679	CC	GG	1940153916
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SNP_P1_29573_30709047	NC_021161.1	Ca_kabuli_chr02	30709047	CC	TT	1940153918
SNP_P1_29574_30709329	NC_021161.1	Ca_kabuli_chr02	30709329	GG	AA	1940153919
SNP_P1_29575_30709392	NC_021161.1	Ca_kabuli_chr02	30709392	GG	TT	1940153920
SNP_P1_29576_30710383	NC_021161.1	Ca_kabuli_chr02	30710383	CC	TT	1940153921
SNP_P1_29577_30710403	NC_021161.1	Ca_kabuli_chr02	30710403	GG	TT	1940153922
SNP_P1_29578_30710419	NC_021161.1	Ca_kabuli_chr02	30710419	AA	CC	1940153923
SNP_P1_29579_30710458	NC_021161.1	Ca_kabuli_chr02	30710458	GG	TT	1940153924
SNP_P1_29580_30710588	NC_021161.1	Ca_kabuli_chr02	30710588	TT	CC	1940153925
SNP_P1_29581_30711132	NC_021161.1	Ca_kabuli_chr02	30711132	CC	AA	1940153926
SNP_P1_29582_30711821	NC_021161.1	Ca_kabuli_chr02	30711821	AA	GG	1940153927
SNP_P1_29583_30711863	NC_021161.1	Ca_kabuli_chr02	30711863	AA	TT	1940153928
SNP_P1_29584_30713257	NC_021161.1	Ca_kabuli_chr02	30713257	TT	AA	1940153929
SNP_P1_29586_30715466	NC_021161.1	Ca_kabuli_chr02	30715466	AA	GG	1940153930
SNP_P1_29587_30715994	NC_021161.1	Ca_kabuli_chr02	30715994	GG	AA	1940153931
SNP_P1_29588_30716237	NC_021161.1	Ca_kabuli_chr02	30716237	TT	CC	1940153932
SNP_P1_29589_30716266	NC_021161.1	Ca_kabuli_chr02	30716266	TT	CC	1940153933
SNP_P1_29590_30718248	NC_021161.1	Ca_kabuli_chr02	30718248	AA	GG	1940153934
SNP_P1_29591_30718275	NC_021161.1	Ca_kabuli_chr02	30718275	AA	GG	1940153935
SNP_P1_29592_30718309	NC_021161.1	Ca_kabuli_chr02	30718309	CC	AA	1940153936
SNP_P1_29593_30718314	NC_021161.1	Ca_kabuli_chr02	30718314	GG	TT	1940153937
SNP_P1_29594_30718341	NC_021161.1	Ca_kabuli_chr02	30718341	TT	CC	1940153939
SNP_P1_29595_30718389	NC_021161.1	Ca_kabuli_chr02	30718389	TT	CC	1940153940
SNP_P1_29596_30718547	NC_021161.1	Ca_kabuli_chr02	30718547	GG	AA	1940153941
SNP_P1_29597_30718549	NC_021161.1	Ca_kabuli_chr02	30718549	CC	TT	1940153942

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29599_30718800	NC_021161.1	Ca_kabuli_chr02	30718800	GG	AA	1940153944
SNP_P1_29600_30718806	NC_021161.1	Ca_kabuli_chr02	30718806	AA	GG	1940153945
SNP_P1_29601_30718812	NC_021161.1	Ca_kabuli_chr02	30718812	CC	TT	1940153946
SNP_P1_29602_30718901	NC_021161.1	Ca_kabuli_chr02	30718901	GG	AA	1940153947
SNP_P1_29603_30718980	NC_021161.1	Ca_kabuli_chr02	30718980	GG	AA	1940153948
SNP_P1_29604_30719017	NC_021161.1	Ca_kabuli_chr02	30719017	GG	AA	1940153949
SNP_P1_29605_30719324	NC_021161.1	Ca_kabuli_chr02	30719324	TT	GG	1940153950
SNP_P1_29606_30719344	NC_021161.1	Ca_kabuli_chr02	30719344	AA	GG	1940153951
SNP_P1_29610_30719898	NC_021161.1	Ca_kabuli_chr02	30719898	TT	AA	1940153952
SNP_P1_29611_30719951	NC_021161.1	Ca_kabuli_chr02	30719951	GG	CC	1940153953
SNP_P1_29612_30720273	NC_021161.1	Ca_kabuli_chr02	30720273	CC	AA	1940153954
SNP_P1_29614_30720337	NC_021161.1	Ca_kabuli_chr02	30720337	TT	AA	1940153955
SNP_P1_29617_30730118	NC_021161.1	Ca_kabuli_chr02	30730118	CC	TT	1940153956
SNP_P1_29618_30730176	NC_021161.1	Ca_kabuli_chr02	30730176	TT	CC	1940153957
SNP_P1_29619_30730179	NC_021161.1	Ca_kabuli_chr02	30730179	AA	GG	1940153958
SNP_P1_29620_30730458	NC_021161.1	Ca_kabuli_chr02	30730458	TT	CC	1940153959
SNP_P1_29621_30732467	NC_021161.1	Ca_kabuli_chr02	30732467	CC	AA	1940153960
SNP_P1_29622_30732679	NC_021161.1	Ca_kabuli_chr02	30732679	AA	TT	1940153961
SNP_P1_29624_30734027	NC_021161.1	Ca_kabuli_chr02	30734027	TT	CC	1940153962
SNP_P1_29625_30734069	NC_021161.1	Ca_kabuli_chr02	30734069	TT	CC	1940153963
SNP_P1_29626_30734436	NC_021161.1	Ca_kabuli_chr02	30734436	AA	GG	1940153964
SNP_P1_29627_30734457	NC_021161.1	Ca_kabuli_chr02	30734457	AA	GG	1940153965
SNP_P1_29628_30734472	NC_021161.1	Ca_kabuli_chr02	30734472	AA	CC	1940153966
SNP_P1_29629_30734898	NC_021161.1	Ca_kabuli_chr02	30734898	AA	CC	1940153967
SNP_P1_29630_30735056	NC_021161.1	Ca_kabuli_chr02	30735056	AA	CC	1940153968
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SNP_P1_29633_30737344	NC_021161.1	Ca_kabuli_chr02	30737344	GG	AA	1940153970
SNP_P1_29634_30737390	NC_021161.1	Ca_kabuli_chr02	30737390	GG	AA	1940153971
SNP_P1_29635_30737392	NC_021161.1	Ca_kabuli_chr02	30737392	CC	TT	1940153972
SNP_P1_29637_30737920	NC_021161.1	Ca_kabuli_chr02	30737920	AA	CC	1940153973
SNP_P1_29638_30738247	NC_021161.1	Ca_kabuli_chr02	30738247	AA	GG	1940153974
SNP_P1_29640_30739081	NC_021161.1	Ca_kabuli_chr02	30739081	TT	CC	1940153975
SNP_P1_29641_30741438	NC_021161.1	Ca_kabuli_chr02	30741438	GG	AA	1940153976
SNP_P1_29644_30746310	NC_021161.1	Ca_kabuli_chr02	30746310	GG	AA	1940153977
SNP_P1_29645_30751037	NC_021161.1	Ca_kabuli_chr02	30751037	GG	TT	1940153978
SNP_P1_29646_30751080	NC_021161.1	Ca_kabuli_chr02	30751080	AA	TT	1940153979
SNP_P1_29647_30752776	NC_021161.1	Ca_kabuli_chr02	30752776	GG	AA	1940153980
SNP_P1_29648_30752927	NC_021161.1	Ca_kabuli_chr02	30752927	TT	CC	1940153981
SNP_P1_29649_30756015	NC_021161.1	Ca_kabuli_chr02	30756015	GG	TT	1940153983
SNP_P1_29650_30756245	NC_021161.1	Ca_kabuli_chr02	30756245	CC	TT	1940153984
SNP_P1_29651_30765498	NC_021161.1	Ca_kabuli_chr02	30765498	TT	CC	1940153985

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29653_30768592	NC_021161.1	Ca_kabuli_chr02	30768592	CC	GG	1940153987
SNP_P1_29654_30768620	NC_021161.1	Ca_kabuli_chr02	30768620	AA	TT	1940153988
SNP_P1_29655_30772363	NC_021161.1	Ca_kabuli_chr02	30772363	GG	TT	1940153989
SNP_P1_29656_30772368	NC_021161.1	Ca_kabuli_chr02	30772368	TT	AA	1940153990
SNP_P1_29657_30772504	NC_021161.1	Ca_kabuli_chr02	30772504	CC	TT	1940153991
SNP_P1_29658_30772641	NC_021161.1	Ca_kabuli_chr02	30772641	GG	AA	1940153992
SNP_P1_29659_30773098	NC_021161.1	Ca_kabuli_chr02	30773098	CC	TT	1940153993
SNP_P1_29661_30773664	NC_021161.1	Ca_kabuli_chr02	30773664	AA	CC	1940153994
SNP_P1_29662_30774157	NC_021161.1	Ca_kabuli_chr02	30774157	TT	CC	1940153995
SNP_P1_29663_30774159	NC_021161.1	Ca_kabuli_chr02	30774159	GG	AA	1940153996
SNP_P1_29664_30774167	NC_021161.1	Ca_kabuli_chr02	30774167	AA	GG	1940153997
SNP_P1_29666_30774331	NC_021161.1	Ca_kabuli_chr02	30774331	GG	AA	1940153998
SNP_P1_29667_30774362	NC_021161.1	Ca_kabuli_chr02	30774362	AA	GG	1940153999
SNP_P1_29668_30774367	NC_021161.1	Ca_kabuli_chr02	30774367	AA	TT	1940154000
SNP_P1_29669_30774368	NC_021161.1	Ca_kabuli_chr02	30774368	AA	TT	1940154001
SNP_P1_29670_30774374	NC_021161.1	Ca_kabuli_chr02	30774374	CC	AA	1940154002
SNP_P1_29671_30774484	NC_021161.1	Ca_kabuli_chr02	30774484	GG	TT	1940154003
SNP_P1_29672_30774537	NC_021161.1	Ca_kabuli_chr02	30774537	TT	CC	1940154004
SNP_P1_29673_30774539	NC_021161.1	Ca_kabuli_chr02	30774539	GG	AA	1940154005
SNP_P1_29674_30775277	NC_021161.1	Ca_kabuli_chr02	30775277	CC	AA	1940154006
SNP_P1_29676_30775887	NC_021161.1	Ca_kabuli_chr02	30775887	TT	GG	1940154007
SNP_P1_29677_30776091	NC_021161.1	Ca_kabuli_chr02	30776091	AA	GG	1940154008
SNP_P1_29678_30776114	NC_021161.1	Ca_kabuli_chr02	30776114	TT	AA	1940154009
SNP_P1_29679_30778645	NC_021161.1	Ca_kabuli_chr02	30778645	AA	GG	1940154010
SNP_P1_29680_30782659	NC_021161.1	Ca_kabuli_chr02	30782659	GG	AA	1940154011
SNP_P1_29681_30782690	NC_021161.1	Ca_kabuli_chr02	30782690	AA	TT	1940154012
SNP_P1_29682_30782739	NC_021161.1	Ca_kabuli_chr02	30782739	AA	TT	1940154013
SNP_P1_29684_30783136	NC_021161.1	Ca_kabuli_chr02	30783136	TT	CC	1940154014
SNP_P1_29685_30783867	NC_021161.1	Ca_kabuli_chr02	30783867	GG	AA	1940154015
SNP_P1_29686_30785508	NC_021161.1	Ca_kabuli_chr02	30785508	GG	AA	1940154016
SNP_P1_29687_30785517	NC_021161.1	Ca_kabuli_chr02	30785517	CC	TT	1940154017
SNP_P1_29688_30785518	NC_021161.1	Ca_kabuli_chr02	30785518	GG	TT	1940154018
SNP_P1_29689_30785519	NC_021161.1	Ca_kabuli_chr02	30785519	AA	GG	1940154019
SNP_P1_29690_30785547	NC_021161.1	Ca_kabuli_chr02	30785547	TT	CC	1940154020
SNP_P1_29691_30785569	NC_021161.1	Ca_kabuli_chr02	30785569	GG	AA	1940154021
SNP_P1_29692_30785598	NC_021161.1	Ca_kabuli_chr02	30785598	TT	AA	1940154022
SNP_P1_29693_30785615	NC_021161.1	Ca_kabuli_chr02	30785615	AA	GG	1940154023
SNP_P1_29694_30785616	NC_021161.1	Ca_kabuli_chr02	30785616	GG	AA	1940154024
SNP_P1_29695_30785622	NC_021161.1	Ca_kabuli_chr02	30785622	GG	CC	1940154025
SNP_P1_29696_30785631	NC_021161.1	Ca_kabuli_chr02	30785631	AA	GG	1940154027
SNP_P1_29697_30785670	NC_021161.1	Ca_kabuli_chr02	30785670	AA	GG	1940154028

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29699_30785811	NC_021161.1	Ca_kabuli_chr02	30785811	CC	TT	1940154030
SNP_P1_29700_30785813	NC_021161.1	Ca_kabuli_chr02	30785813	AA	TT	1940154031
SNP_P1_29701_30788384	NC_021161.1	Ca_kabuli_chr02	30788384	AA	GG	1940154032
SNP_P1_29705_30788745	NC_021161.1	Ca_kabuli_chr02	30788745	TT	CC	1940154033
SNP_P1_29706_30788842	NC_021161.1	Ca_kabuli_chr02	30788842	CC	AA	1940154034
SNP_P1_29707_30789037	NC_021161.1	Ca_kabuli_chr02	30789037	CC	TT	1940154035
SNP_P1_29708_30789240	NC_021161.1	Ca_kabuli_chr02	30789240	TT	CC	1940154036
SNP_P1_29709_30790561	NC_021161.1	Ca_kabuli_chr02	30790561	GG	TT	1940154037
SNP_P1_29711_30791345	NC_021161.1	Ca_kabuli_chr02	30791345	TT	CC	1940154038
SNP_P1_29712_30791686	NC_021161.1	Ca_kabuli_chr02	30791686	CC	TT	1940154039
SNP_P1_29714_30793578	NC_021161.1	Ca_kabuli_chr02	30793578	CC	AA	1940154040
SNP_P1_29715_30793781	NC_021161.1	Ca_kabuli_chr02	30793781	GG	TT	1940154041
SNP_P1_29716_30794285	NC_021161.1	Ca_kabuli_chr02	30794285	GG	AA	1940154042
SNP_P1_29717_30794290	NC_021161.1	Ca_kabuli_chr02	30794290	CC	TT	1940154043
SNP_P1_29720_30794380	NC_021161.1	Ca_kabuli_chr02	30794380	TT	AA	1940154044
SNP_P1_29722_30794442	NC_021161.1	Ca_kabuli_chr02	30794442	AA	GG	1940154045
SNP_P1_29724_30794518	NC_021161.1	Ca_kabuli_chr02	30794518	GG	AA	1940154046
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SNP_P1_29735_30795340	NC_021161.1	Ca_kabuli_chr02	30795340	GG	AA	1940154055
SNP_P1_29736_30795344	NC_021161.1	Ca_kabuli_chr02	30795344	AA	GG	1940154056
SNP_P1_29737_30795351	NC_021161.1	Ca_kabuli_chr02	30795351	CC	GG	1940154057
SNP_P1_29738_30795357	NC_021161.1	Ca_kabuli_chr02	30795357	GG	CC	1940154058
SNP_P1_29739_30795393	NC_021161.1	Ca_kabuli_chr02	30795393	AA	GG	1940154059
SNP_P1_29741_30795430	NC_021161.1	Ca_kabuli_chr02	30795430	GG	CC	1940154060
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SNP_P1_29744_30798510	NC_021161.1	Ca_kabuli_chr02	30798510	GG	CC	1940154063
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SNP_P1_29747_30798574	NC_021161.1	Ca_kabuli_chr02	30798574	CC	TT	1940154066
SNP_P1_29748_30798610	NC_021161.1	Ca_kabuli_chr02	30798610	GG	AA	1940154067
SNP_P1_29749_30798627	NC_021161.1	Ca_kabuli_chr02	30798627	AA	GG	1940154068
SNP_P1_29750_30798637	NC_021161.1	Ca_kabuli_chr02	30798637	AA	TT	1940154069
SNP_P1_29751_30798689	NC_021161.1	Ca_kabuli_chr02	30798689	CC	TT	1940154070
SNP_P1_29752_30798692	NC_021161.1	Ca_kabuli_chr02	30798692	GG	AA	1940154071

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29755_30798736	NC_021161.1	Ca_kabuli_chr02	30798736	CC	TT	1940154074
SNP_P1_29756_30798783	NC_021161.1	Ca_kabuli_chr02	30798783	AA	GG	1940154075
SNP_P1_29757_30798788	NC_021161.1	Ca_kabuli_chr02	30798788	CC	TT	1940154076
SNP_P1_29758_30798863	NC_021161.1	Ca_kabuli_chr02	30798863	AA	CC	1940154077
SNP_P1_29759_30798869	NC_021161.1	Ca_kabuli_chr02	30798869	AA	GG	1940154078
SNP_P1_29760_30798890	NC_021161.1	Ca_kabuli_chr02	30798890	CC	TT	1940154079
SNP_P1_29761_30798896	NC_021161.1	Ca_kabuli_chr02	30798896	GG	AA	1940154080
SNP_P1_29762_30798897	NC_021161.1	Ca_kabuli_chr02	30798897	TT	CC	1940154081
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SNP_P1_29765_30798987	NC_021161.1	Ca_kabuli_chr02	30798987	GG	CC	1940154083
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SNP_P1_29767_30799006	NC_021161.1	Ca_kabuli_chr02	30799006	AA	GG	1940154085
SNP_P1_29768_30799054	NC_021161.1	Ca_kabuli_chr02	30799054	CC	TT	1940154086
SNP_P1_29770_30799293	NC_021161.1	Ca_kabuli_chr02	30799293	GG	TT	1940154087
SNP_P1_29771_30799341	NC_021161.1	Ca_kabuli_chr02	30799341	GG	AA	1940154088
SNP_P1_29772_30799352	NC_021161.1	Ca_kabuli_chr02	30799352	GG	CC	1940154089
SNP_P1_29773_30799371	NC_021161.1	Ca_kabuli_chr02	30799371	CC	TT	1940154090
SNP_P1_29774_30799406	NC_021161.1	Ca_kabuli_chr02	30799406	AA	CC	1940154091
SNP_P1_29775_30799408	NC_021161.1	Ca_kabuli_chr02	30799408	AA	CC	1940154092
SNP_P1_29778_30799893	NC_021161.1	Ca_kabuli_chr02	30799893	TT	CC	1940154093
SNP_P1_29780_30801808	NC_021161.1	Ca_kabuli_chr02	30801808	AA	GG	1940154094
SNP_P1_29781_30801809	NC_021161.1	Ca_kabuli_chr02	30801809	GG	AA	1940154095
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SNP_P1_29783_30805042	NC_021161.1	Ca_kabuli_chr02	30805042	AA	TT	1940154097
SNP_P1_29784_30805064	NC_021161.1	Ca_kabuli_chr02	30805064	CC	TT	1940154098
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SNP_P1_29787_30808031	NC_021161.1	Ca_kabuli_chr02	30808031	AA	GG	1940154100
SNP_P1_29788_30809153	NC_021161.1	Ca_kabuli_chr02	30809153	AA	TT	1940154101
SNP_P1_29789_30809665	NC_021161.1	Ca_kabuli_chr02	30809665	AA	GG	1940154102
SNP_P1_29790_30810396	NC_021161.1	Ca_kabuli_chr02	30810396	AA	CC	1940154103
SNP_P1_29791_30810402	NC_021161.1	Ca_kabuli_chr02	30810402	CC	TT	1940154104
SNP_P1_29792_30810411	NC_021161.1	Ca_kabuli_chr02	30810411	GG	AA	1940154105
SNP_P1_29793_30810416	NC_021161.1	Ca_kabuli_chr02	30810416	CC	TT	1940154106
SNP_P1_29794_30810435	NC_021161.1	Ca_kabuli_chr02	30810435	GG	TT	1940154108
SNP_P1_29795_30810481	NC_021161.1	Ca_kabuli_chr02	30810481	GG	AA	1940154109
SNP_P1_29796_30811615	NC_021161.1	Ca_kabuli_chr02	30811615	CC	GG	1940154110
SNP_P1_29797_30811627	NC_021161.1	Ca_kabuli_chr02	30811627	AA	TT	1940154111
SNP_P1_29798_30819648	NC_021161.1	Ca_kabuli_chr02	30819648	TT	CC	1940154112
SNP_P1_29799_30819650	NC_021161.1	Ca_kabuli_chr02	30819650	TT	GG	1940154113
SNP_P1_29800_30819944	NC_021161.1	Ca_kabuli_chr02	30819944	TT	CC	1940154114

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29802_30819999	NC_021161.1	Ca_kabuli_chr02	30819999	CC	TT	1940154116
SNP_P1_29803_30820038	NC_021161.1	Ca_kabuli_chr02	30820038	GG	AA	1940154117
SNP_P1_29804_30820057	NC_021161.1	Ca_kabuli_chr02	30820057	TT	GG	1940154118
SNP_P1_29805_30820072	NC_021161.1	Ca_kabuli_chr02	30820072	CC	AA	1940154119
SNP_P1_29806_30820101	NC_021161.1	Ca_kabuli_chr02	30820101	GG	AA	1940154120
SNP_P1_29807_30820130	NC_021161.1	Ca_kabuli_chr02	30820130	CC	AA	1940154121
SNP_P1_29808_30820156	NC_021161.1	Ca_kabuli_chr02	30820156	CC	TT	1940154122
SNP_P1_29809_30820198	NC_021161.1	Ca_kabuli_chr02	30820198	AA	CC	1940154123
SNP_P1_29810_30820202	NC_021161.1	Ca_kabuli_chr02	30820202	TT	CC	1940154124
SNP_P1_29811_30820237	NC_021161.1	Ca_kabuli_chr02	30820237	GG	TT	1940154125
SNP_P1_29812_30820277	NC_021161.1	Ca_kabuli_chr02	30820277	GG	AA	1940154126
SNP_P1_29813_30820324	NC_021161.1	Ca_kabuli_chr02	30820324	AA	GG	1940154127
SNP_P1_29814_30820884	NC_021161.1	Ca_kabuli_chr02	30820884	AA	GG	1940154128
SNP_P1_29815_30820891	NC_021161.1	Ca_kabuli_chr02	30820891	TT	CC	1940154129
SNP_P1_29816_30820898	NC_021161.1	Ca_kabuli_chr02	30820898	CC	TT	1940154130
SNP_P1_29817_30822415	NC_021161.1	Ca_kabuli_chr02	30822415	GG	AA	1940154131
SNP_P1_29818_30822448	NC_021161.1	Ca_kabuli_chr02	30822448	AA	GG	1940154132
SNP_P1_29819_30822456	NC_021161.1	Ca_kabuli_chr02	30822456	GG	AA	1940154133
SNP_P1_29820_30822644	NC_021161.1	Ca_kabuli_chr02	30822644	TT	CC	1940154134
SNP_P1_29821_30822681	NC_021161.1	Ca_kabuli_chr02	30822681	AA	TT	1940154135
SNP_P1_29822_30822686	NC_021161.1	Ca_kabuli_chr02	30822686	GG	AA	1940154136
SNP_P1_29823_30822710	NC_021161.1	Ca_kabuli_chr02	30822710	CC	TT	1940154137
SNP_P1_29824_30822774	NC_021161.1	Ca_kabuli_chr02	30822774	CC	AA	1940154138
SNP_P1_29825_30823814	NC_021161.1	Ca_kabuli_chr02	30823814	AA	GG	1940154139
SNP_P1_29826_30829676	NC_021161.1	Ca_kabuli_chr02	30829676	GG	AA	1940154140
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SNP_P1_29829_30831625	NC_021161.1	Ca_kabuli_chr02	30831625	CC	AA	1940154144
SNP_P1_29830_30831628	NC_021161.1	Ca_kabuli_chr02	30831628	GG	AA	1940154145
SNP_P1_29831_30831663	NC_021161.1	Ca_kabuli_chr02	30831663	TT	CC	1940154146
SNP_P1_29832_30831665	NC_021161.1	Ca_kabuli_chr02	30831665	TT	GG	1940154147
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SNP_P1_29834_30831843	NC_021161.1	Ca_kabuli_chr02	30831843	CC	TT	1940154149
SNP_P1_29835_30831974	NC_021161.1	Ca_kabuli_chr02	30831974	GG	AA	1940154150
SNP_P1_29836_30834687	NC_021161.1	Ca_kabuli_chr02	30834687	TT	CC	1940154151
SNP_P1_29837_30834695	NC_021161.1	Ca_kabuli_chr02	30834695	GG	AA	1940154152
SNP_P1_29838_30834880	NC_021161.1	Ca_kabuli_chr02	30834880	TT	CC	1940154153
SNP_P1_29839_30834889	NC_021161.1	Ca_kabuli_chr02	30834889	AA	TT	1940154154
SNP_P1_29840_30834913	NC_021161.1	Ca_kabuli_chr02	30834913	CC	AA	1940154155
SNP_P1_29841_30834945	NC_021161.1	Ca_kabuli_chr02	30834945	CC	TT	1940154156
SNP_P1_29842_30834997	NC_021161.1	Ca_kabuli_chr02	30834997	AA	GG	1940154157

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29844_30836912	NC_021161.1	Ca_kabuli_chr02	30836912	AA	GG	1940154159
SNP_P1_29845_30837040	NC_021161.1	Ca_kabuli_chr02	30837040	AA	GG	1940154160
SNP_P1_29846_30837083	NC_021161.1	Ca_kabuli_chr02	30837083	TT	AA	1940154161
SNP_P1_29847_30837108	NC_021161.1	Ca_kabuli_chr02	30837108	CC	TT	1940154162
SNP_P1_29848_30838170	NC_021161.1	Ca_kabuli_chr02	30838170	TT	CC	1940154163
SNP_P1_29849_30838181	NC_021161.1	Ca_kabuli_chr02	30838181	AA	GG	1940154164
SNP_P1_29850_30839798	NC_021161.1	Ca_kabuli_chr02	30839798	TT	CC	1940154165
SNP_P1_29853_30843019	NC_021161.1	Ca_kabuli_chr02	30843019	GG	TT	1940154166
SNP_P1_29854_30843021	NC_021161.1	Ca_kabuli_chr02	30843021	GG	AA	1940154167
SNP_P1_29855_30843025	NC_021161.1	Ca_kabuli_chr02	30843025	AA	GG	1940154168
SNP_P1_29856_30843229	NC_021161.1	Ca_kabuli_chr02	30843229	CC	AA	1940154170
SNP_P1_29858_30844221	NC_021161.1	Ca_kabuli_chr02	30844221	GG	AA	1940154171
SNP_P1_29859_30844224	NC_021161.1	Ca_kabuli_chr02	30844224	TT	CC	1940154172
SNP_P1_29860_30844398	NC_021161.1	Ca_kabuli_chr02	30844398	TT	AA	1940154173
SNP_P1_29861_30844440	NC_021161.1	Ca_kabuli_chr02	30844440	AA	TT	1940154174
SNP_P1_29862_30846073	NC_021161.1	Ca_kabuli_chr02	30846073	AA	GG	1940154175
SNP_P1_29864_30846393	NC_021161.1	Ca_kabuli_chr02	30846393	AA	GG	1940154176
SNP_P1_29865_30846412	NC_021161.1	Ca_kabuli_chr02	30846412	AA	GG	1940154177
SNP_P1_29867_30846949	NC_021161.1	Ca_kabuli_chr02	30846949	TT	GG	1940154178
SNP_P1_29868_30848244	NC_021161.1	Ca_kabuli_chr02	30848244	TT	CC	1940154179
SNP_P1_29869_30848425	NC_021161.1	Ca_kabuli_chr02	30848425	GG	AA	1940154180
SNP_P1_29871_30848572	NC_021161.1	Ca_kabuli_chr02	30848572	AA	TT	1940154181
SNP_P1_29872_30848573	NC_021161.1	Ca_kabuli_chr02	30848573	CC	TT	1940154182
SNP_P1_29873_30848630	NC_021161.1	Ca_kabuli_chr02	30848630	GG	AA	1940154183
SNP_P1_29874_30848683	NC_021161.1	Ca_kabuli_chr02	30848683	GG	AA	1940154184
SNP_P1_29875_30849702	NC_021161.1	Ca_kabuli_chr02	30849702	GG	AA	1940154185
SNP_P1_29877_30850107	NC_021161.1	Ca_kabuli_chr02	30850107	TT	GG	1940154186
SNP_P1_29878_30850119	NC_021161.1	Ca_kabuli_chr02	30850119	AA	TT	1940154187
SNP_P1_29880_30860299	NC_021161.1	Ca_kabuli_chr02	30860299	GG	AA	1940154188
SNP_P1_29882_30860598	NC_021161.1	Ca_kabuli_chr02	30860598	AA	TT	1940154189
SNP_P1_29885_30860657	NC_021161.1	Ca_kabuli_chr02	30860657	TT	CC	1940154190
SNP_P1_29887_30860739	NC_021161.1	Ca_kabuli_chr02	30860739	TT	GG	1940154191
SNP_P1_29888_30860930	NC_021161.1	Ca_kabuli_chr02	30860930	GG	CC	1940154192
SNP_P1_29890_30861538	NC_021161.1	Ca_kabuli_chr02	30861538	GG	TT	1940154193
SNP_P1_29892_30861859	NC_021161.1	Ca_kabuli_chr02	30861859	CC	AA	1940154194
SNP_P1_29894_30861882	NC_021161.1	Ca_kabuli_chr02	30861882	AA	TT	1940154195
SNP_P1_29895_30861931	NC_021161.1	Ca_kabuli_chr02	30861931	AA	GG	1940154196
SNP_P1_29896_30861932	NC_021161.1	Ca_kabuli_chr02	30861932	TT	AA	1940154197
SNP_P1_29899_30864364	NC_021161.1	Ca_kabuli_chr02	30864364	CC	TT	1940154198
SNP_P1_29900_30864446	NC_021161.1	Ca_kabuli_chr02	30864446	GG	AA	1940154199
SNP_P1_29901_30864463	NC_021161.1	Ca_kabuli_chr02	30864463	AA	GG	1940154200

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29905_30864892	NC_021161.1	Ca_kabuli_chr02	30864892	AA	CC	1940154202
SNP_P1_29906_30864896	NC_021161.1	Ca_kabuli_chr02	30864896	GG	TT	1940154203
SNP_P1_29907_30866121	NC_021161.1	Ca_kabuli_chr02	30866121	CC	AA	1940154204
SNP_P1_29908_30868923	NC_021161.1	Ca_kabuli_chr02	30868923	AA	TT	1940154205
SNP_P1_29909_30869942	NC_021161.1	Ca_kabuli_chr02	30869942	AA	GG	1940154207
SNP_P1_29910_30870068	NC_021161.1	Ca_kabuli_chr02	30870068	AA	CC	1940154208
SNP_P1_29911_30870069	NC_021161.1	Ca_kabuli_chr02	30870069	TT	CC	1940154209
SNP_P1_29912_30870505	NC_021161.1	Ca_kabuli_chr02	30870505	AA	TT	1940154210
SNP_P1_29913_30870676	NC_021161.1	Ca_kabuli_chr02	30870676	TT	CC	1940154211
SNP_P1_29914_30871036	NC_021161.1	Ca_kabuli_chr02	30871036	TT	GG	1940154212
SNP_P1_29916_30873347	NC_021161.1	Ca_kabuli_chr02	30873347	AA	TT	1940154213
SNP_P1_29917_30873891	NC_021161.1	Ca_kabuli_chr02	30873891	TT	CC	1940154214
SNP_P1_29918_30874017	NC_021161.1	Ca_kabuli_chr02	30874017	CC	TT	1940154215
SNP_P1_29919_30874043	NC_021161.1	Ca_kabuli_chr02	30874043	TT	AA	1940154216
SNP_P1_29920_30874048	NC_021161.1	Ca_kabuli_chr02	30874048	TT	AA	1940154217
SNP_P1_29921_30875074	NC_021161.1	Ca_kabuli_chr02	30875074	TT	GG	1940154218
SNP_P1_29922_30875730	NC_021161.1	Ca_kabuli_chr02	30875730	TT	CC	1940154219
SNP_P1_29923_30876517	NC_021161.1	Ca_kabuli_chr02	30876517	TT	GG	1940154220
SNP_P1_29924_30876552	NC_021161.1	Ca_kabuli_chr02	30876552	AA	TT	1940154221
SNP_P1_29925_30876608	NC_021161.1	Ca_kabuli_chr02	30876608	AA	GG	1940154222
SNP_P1_29926_30879044	NC_021161.1	Ca_kabuli_chr02	30879044	AA	GG	1940154223
SNP_P1_29927_30879066	NC_021161.1	Ca_kabuli_chr02	30879066	GG	AA	1940154224
SNP_P1_29928_30879074	NC_021161.1	Ca_kabuli_chr02	30879074	TT	CC	1940154225
SNP_P1_29929_30879235	NC_021161.1	Ca_kabuli_chr02	30879235	CC	TT	1940154226
SNP_P1_29930_30879357	NC_021161.1	Ca_kabuli_chr02	30879357	TT	CC	1940154227
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SNP_P1_29933_30879608	NC_021161.1	Ca_kabuli_chr02	30879608	TT	GG	1940154230
SNP_P1_29935_30881746	NC_021161.1	Ca_kabuli_chr02	30881746	TT	CC	1940154231
SNP_P1_29936_30882151	NC_021161.1	Ca_kabuli_chr02	30882151	GG	AA	1940154232
SNP_P1_29937_30882195	NC_021161.1	Ca_kabuli_chr02	30882195	GG	AA	1940154233
SNP_P1_29938_30882256	NC_021161.1	Ca_kabuli_chr02	30882256	AA	GG	1940154234
SNP_P1_29939_30883017	NC_021161.1	Ca_kabuli_chr02	30883017	AA	GG	1940154235
SNP_P1_29940_30883023	NC_021161.1	Ca_kabuli_chr02	30883023	TT	GG	1940154236
SNP_P1_29941_30883241	NC_021161.1	Ca_kabuli_chr02	30883241	AA	GG	1940154237
SNP_P1_29942_30883472	NC_021161.1	Ca_kabuli_chr02	30883472	CC	TT	1940154238
SNP_P1_29944_30883811	NC_021161.1	Ca_kabuli_chr02	30883811	CC	GG	1940154239
SNP_P1_29945_30883844	NC_021161.1	Ca_kabuli_chr02	30883844	CC	TT	1940154240
SNP_P1_29947_30883927	NC_021161.1	Ca_kabuli_chr02	30883927	GG	TT	1940154242
SNP_P1_29948_30883928	NC_021161.1	Ca_kabuli_chr02	30883928	AA	GG	1940154243
SNP_P1_29949_30883962	NC_021161.1	Ca_kabuli_chr02	30883962	AA	GG	1940154244

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_29951_30885806	NC_021161.1	Ca_kabuli_chr02	30885806	GG	AA	1940154246
SNP_P1_29952_30885820	NC_021161.1	Ca_kabuli_chr02	30885820	AA	CC	1940154247
SNP_P1_29954_30886122	NC_021161.1	Ca_kabuli_chr02	30886122	AA	GG	1940154248
SNP_P1_29955_30887172	NC_021161.1	Ca_kabuli_chr02	30887172	TT	CC	1940154249
SNP_P1_29956_30887207	NC_021161.1	Ca_kabuli_chr02	30887207	CC	AA	1940154250
SNP_P1_29957_30887575	NC_021161.1	Ca_kabuli_chr02	30887575	CC	TT	1940154251
SNP_P1_29959_30887898	NC_021161.1	Ca_kabuli_chr02	30887898	CC	TT	1940154252
SNP_P1_29961_30887911	NC_021161.1	Ca_kabuli_chr02	30887911	CC	TT	1940154253
SNP_P1_29962_30887917	NC_021161.1	Ca_kabuli_chr02	30887917	AA	TT	1940154254
SNP_P1_29963_30887938	NC_021161.1	Ca_kabuli_chr02	30887938	AA	TT	1940154255
SNP_P1_29964_30889680	NC_021161.1	Ca_kabuli_chr02	30889680	GG	AA	1940154256
SNP_P1_29965_30889812	NC_021161.1	Ca_kabuli_chr02	30889812	CC	TT	1940154257
SNP_P1_29966_30889944	NC_021161.1	Ca_kabuli_chr02	30889944	CC	GG	1940154258
SNP_P1_29967_30890035	NC_021161.1	Ca_kabuli_chr02	30890035	TT	CC	1940154259
SNP_P1_29968_30890061	NC_021161.1	Ca_kabuli_chr02	30890061	AA	CC	1940154260
SNP_P1_29969_30890096	NC_021161.1	Ca_kabuli_chr02	30890096	CC	GG	1940154261
SNP_P1_29970_30890113	NC_021161.1	Ca_kabuli_chr02	30890113	AA	TT	1940154262
SNP_P1_29972_30890369	NC_021161.1	Ca_kabuli_chr02	30890369	CC	TT	1940154263
SNP_P1_29973_30890371	NC_021161.1	Ca_kabuli_chr02	30890371	AA	GG	1940154264
SNP_P1_29975_30890587	NC_021161.1	Ca_kabuli_chr02	30890587	GG	AA	1940154265
SNP_P1_29977_30890913	NC_021161.1	Ca_kabuli_chr02	30890913	AA	GG	1940154266
SNP_P1_29978_30891780	NC_021161.1	Ca_kabuli_chr02	30891780	GG	TT	1940154267
SNP_P1_29979_30891792	NC_021161.1	Ca_kabuli_chr02	30891792	CC	TT	1940154268
SNP_P1_29981_30892201	NC_021161.1	Ca_kabuli_chr02	30892201	TT	AA	1940154269
SNP_P1_29982_30892716	NC_021161.1	Ca_kabuli_chr02	30892716	TT	CC	1940154270
SNP_P1_29983_30893681	NC_021161.1	Ca_kabuli_chr02	30893681	TT	CC	1940154271
SNP_P1_29984_30894575	NC_021161.1	Ca_kabuli_chr02	30894575	TT	CC	1940154272
SNP_P1_29985_30895466	NC_021161.1	Ca_kabuli_chr02	30895466	CC	TT	1940154273
SNP_P1_29986_30895765	NC_021161.1	Ca_kabuli_chr02	30895765	AA	GG	1940154274
SNP_P1_29987_30895862	NC_021161.1	Ca_kabuli_chr02	30895862	CC	TT	1940154275
SNP_P1_29990_30897982	NC_021161.1	Ca_kabuli_chr02	30897982	GG	AA	1940154276
SNP_P1_29991_30897993	NC_021161.1	Ca_kabuli_chr02	30897993	AA	CC	1940154277
SNP_P1_29992_30898015	NC_021161.1	Ca_kabuli_chr02	30898015	TT	AA	1940154278
SNP_P1_29993_30898026	NC_021161.1	Ca_kabuli_chr02	30898026	TT	AA	1940154279
SNP_P1_29995_30898158	NC_021161.1	Ca_kabuli_chr02	30898158	TT	AA	1940154280
SNP_P1_29996_30900612	NC_021161.1	Ca_kabuli_chr02	30900612	AA	GG	1940154281
SNP_P1_29999_30902037	NC_021161.1	Ca_kabuli_chr02	30902037	AA	GG	1940154283
SNP_P1_30002_30903768	NC_021161.1	Ca_kabuli_chr02	30903768	TT	CC	1940154284
SNP_P1_30003_30903822	NC_021161.1	Ca_kabuli_chr02	30903822	AA	GG	1940154285
SNP_P1_30004_30903894	NC_021161.1	Ca_kabuli_chr02	30903894	GG	CC	1940154286
SNP_P1_30005_30903897	NC_021161.1	Ca_kabuli_chr02	30903897	AA	GG	1940154287

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30008_30904458	NC_021161.1	Ca_kabuli_chr02	30904458	AA	GG	1940154290
SNP_P1_30009_30904515	NC_021161.1	Ca_kabuli_chr02	30904515	GG	AA	1940154291
SNP_P1_30010_30904887	NC_021161.1	Ca_kabuli_chr02	30904887	AA	TT	1940154292
SNP_P1_30012_30905292	NC_021161.1	Ca_kabuli_chr02	30905292	CC	TT	1940154293
SNP_P1_30013_30905341	NC_021161.1	Ca_kabuli_chr02	30905341	GG	TT	1940154294
SNP_P1_30014_30905750	NC_021161.1	Ca_kabuli_chr02	30905750	TT	CC	1940154295
SNP_P1_30015_30906209	NC_021161.1	Ca_kabuli_chr02	30906209	TT	GG	1940154296
SNP_P1_30017_30909983	NC_021161.1	Ca_kabuli_chr02	30909983	GG	CC	1940154297
SNP_P1_30018_30910523	NC_021161.1	Ca_kabuli_chr02	30910523	AA	GG	1940154298
SNP_P1_30019_30910547	NC_021161.1	Ca_kabuli_chr02	30910547	GG	AA	1940154299
SNP_P1_30020_30910780	NC_021161.1	Ca_kabuli_chr02	30910780	AA	CC	1940154300
SNP_P1_30021_30911232	NC_021161.1	Ca_kabuli_chr02	30911232	GG	AA	1940154301
SNP_P1_30022_30912471	NC_021161.1	Ca_kabuli_chr02	30912471	AA	TT	1940154302
SNP_P1_30023_30913185	NC_021161.1	Ca_kabuli_chr02	30913185	TT	CC	1940154303
SNP_P1_30024_30913186	NC_021161.1	Ca_kabuli_chr02	30913186	GG	AA	1940154304
SNP_P1_30025_30913534	NC_021161.1	Ca_kabuli_chr02	30913534	CC	AA	1940154305
SNP_P1_30026_30915238	NC_021161.1	Ca_kabuli_chr02	30915238	CC	TT	1940154306
SNP_P1_30027_30915243	NC_021161.1	Ca_kabuli_chr02	30915243	GG	AA	1940154307
SNP_P1_30029_30915461	NC_021161.1	Ca_kabuli_chr02	30915461	AA	GG	1940154308
SNP_P1_30030_30916565	NC_021161.1	Ca_kabuli_chr02	30916565	GG	TT	1940154309
SNP_P1_30031_30918342	NC_021161.1	Ca_kabuli_chr02	30918342	AA	GG	1940154310
SNP_P1_30032_30919206	NC_021161.1	Ca_kabuli_chr02	30919206	CC	AA	1940154311
SNP_P1_30033_30920224	NC_021161.1	Ca_kabuli_chr02	30920224	TT	AA	1940154312
SNP_P1_30035_30920569	NC_021161.1	Ca_kabuli_chr02	30920569	AA	TT	1940154313
SNP_P1_30036_30920573	NC_021161.1	Ca_kabuli_chr02	30920573	GG	AA	1940154314
SNP_P1_30037_30920755	NC_021161.1	Ca_kabuli_chr02	30920755	TT	CC	1940154315
SNP_P1_30038_30920782	NC_021161.1	Ca_kabuli_chr02	30920782	AA	GG	1940154316
SNP_P1_30039_30921381	NC_021161.1	Ca_kabuli_chr02	30921381	CC	TT	1940154317
SNP_P1_30040_30921383	NC_021161.1	Ca_kabuli_chr02	30921383	TT	CC	1940154319
SNP_P1_30041_30924416	NC_021161.1	Ca_kabuli_chr02	30924416	CC	TT	1940154320
SNP_P1_30042_30924418	NC_021161.1	Ca_kabuli_chr02	30924418	AA	GG	1940154321
SNP_P1_30043_30924509	NC_021161.1	Ca_kabuli_chr02	30924509	GG	AA	1940154322
SNP_P1_30044_30924827	NC_021161.1	Ca_kabuli_chr02	30924827	CC	TT	1940154323
SNP_P1_30045_30924858	NC_021161.1	Ca_kabuli_chr02	30924858	TT	GG	1940154324
SNP_P1_30046_30925755	NC_021161.1	Ca_kabuli_chr02	30925755	AA	TT	1940154325
SNP_P1_30047_30925784	NC_021161.1	Ca_kabuli_chr02	30925784	CC	TT	1940154326
SNP_P1_30048_30926147	NC_021161.1	Ca_kabuli_chr02	30926147	CC	AA	1940154327
SNP_P1_30049_30926175	NC_021161.1	Ca_kabuli_chr02	30926175	TT	CC	1940154328
SNP_P1_30050_30927050	NC_021161.1	Ca_kabuli_chr02	30927050	AA	CC	1940154329
SNP_P1_30051_30927063	NC_021161.1	Ca_kabuli_chr02	30927063	CC	AA	1940154330

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30053_30929141	NC_021161.1	Ca_kabuli_chr02	30929141	GG	AA	1940154332
SNP_P1_30054_30929176	NC_021161.1	Ca_kabuli_chr02	30929176	AA	GG	1940154333
SNP_P1_30055_30929207	NC_021161.1	Ca_kabuli_chr02	30929207	AA	GG	1940154334
SNP_P1_30056_30930075	NC_021161.1	Ca_kabuli_chr02	30930075	AA	GG	1940154335
SNP_P1_30057_30930455	NC_021161.1	Ca_kabuli_chr02	30930455	TT	CC	1940154336
SNP_P1_30058_30930788	NC_021161.1	Ca_kabuli_chr02	30930788	CC	TT	1940154337
SNP_P1_30059_30930796	NC_021161.1	Ca_kabuli_chr02	30930796	CC	TT	1940154338
SNP_P1_30060_30930857	NC_021161.1	Ca_kabuli_chr02	30930857	TT	CC	1940154339
SNP_P1_30061_30930860	NC_021161.1	Ca_kabuli_chr02	30930860	CC	TT	1940154340
SNP_P1_30062_30931085	NC_021161.1	Ca_kabuli_chr02	30931085	TT	CC	1940154341
SNP_P1_30064_30931828	NC_021161.1	Ca_kabuli_chr02	30931828	CC	TT	1940154342
SNP_P1_30066_30932469	NC_021161.1	Ca_kabuli_chr02	30932469	AA	CC	1940154343
SNP_P1_30067_30933384	NC_021161.1	Ca_kabuli_chr02	30933384	CC	GG	1940154344
SNP_P1_30068_30933465	NC_021161.1	Ca_kabuli_chr02	30933465	AA	CC	1940154345
SNP_P1_30069_30933581	NC_021161.1	Ca_kabuli_chr02	30933581	GG	TT	1940154346
SNP_P1_30070_30933605	NC_021161.1	Ca_kabuli_chr02	30933605	GG	AA	1940154347
SNP_P1_30071_30933736	NC_021161.1	Ca_kabuli_chr02	30933736	TT	CC	1940154348
SNP_P1_30073_30933816	NC_021161.1	Ca_kabuli_chr02	30933816	CC	GG	1940154349
SNP_P1_30074_30933868	NC_021161.1	Ca_kabuli_chr02	30933868	CC	TT	1940154351
SNP_P1_30075_30933884	NC_021161.1	Ca_kabuli_chr02	30933884	AA	GG	1940154352
SNP_P1_30076_30933982	NC_021161.1	Ca_kabuli_chr02	30933982	AA	GG	1940154353
SNP_P1_30077_30934115	NC_021161.1	Ca_kabuli_chr02	30934115	AA	GG	1940154354
SNP_P1_30078_30934172	NC_021161.1	Ca_kabuli_chr02	30934172	AA	GG	1940154355
SNP_P1_30079_30935348	NC_021161.1	Ca_kabuli_chr02	30935348	TT	CC	1940154356
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SNP_P1_30081_30936920	NC_021161.1	Ca_kabuli_chr02	30936920	TT	CC	1940154358
SNP_P1_30082_30936944	NC_021161.1	Ca_kabuli_chr02	30936944	TT	GG	1940154359
SNP_P1_30084_30937245	NC_021161.1	Ca_kabuli_chr02	30937245	AA	TT	1940154360
SNP_P1_30085_30937928	NC_021161.1	Ca_kabuli_chr02	30937928	GG	TT	1940154361
SNP_P1_30086_30938101	NC_021161.1	Ca_kabuli_chr02	30938101	AA	CC	1940154362
SNP_P1_30087_30938110	NC_021161.1	Ca_kabuli_chr02	30938110	CC	GG	1940154363
SNP_P1_30088_30938122	NC_021161.1	Ca_kabuli_chr02	30938122	GG	AA	1940154364
SNP_P1_30089_30938354	NC_021161.1	Ca_kabuli_chr02	30938354	TT	CC	1940154365
SNP_P1_30091_30938623	NC_021161.1	Ca_kabuli_chr02	30938623	GG	AA	1940154366
SNP_P1_30093_30938857	NC_021161.1	Ca_kabuli_chr02	30938857	TT	CC	1940154367
SNP_P1_30094_30939057	NC_021161.1	Ca_kabuli_chr02	30939057	GG	TT	1940154368
SNP_P1_30095_30940135	NC_021161.1	Ca_kabuli_chr02	30940135	CC	TT	1940154369
SNP_P1_30097_30940791	NC_021161.1	Ca_kabuli_chr02	30940791	CC	TT	1940154370
SNP_P1_30098_30941193	NC_021161.1	Ca_kabuli_chr02	30941193	GG	AA	1940154371
SNP_P1_30099_30942394	NC_021161.1	Ca_kabuli_chr02	30942394	GG	TT	1940154372
SNP_P1_30100_30942793	NC_021161.1	Ca_kabuli_chr02	30942793	GG	CC	1940154373

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30102_30943057	NC_021161.1	Ca_kabuli_chr02	30943057	AA	TT	1940154375
SNP_P1_30103_30943059	NC_021161.1	Ca_kabuli_chr02	30943059	AA	CC	1940154376
SNP_P1_30104_30943278	NC_021161.1	Ca_kabuli_chr02	30943278	TT	CC	1940154377
SNP_P1_30105_30943305	NC_021161.1	Ca_kabuli_chr02	30943305	TT	GG	1940154378
SNP_P1_30107_30944536	NC_021161.1	Ca_kabuli_chr02	30944536	AA	TT	1940154379
SNP_P1_30109_30945415	NC_021161.1	Ca_kabuli_chr02	30945415	TT	CC	1940154380
SNP_P1_30110_30945655	NC_021161.1	Ca_kabuli_chr02	30945655	TT	GG	1940154381
SNP_P1_30111_30945719	NC_021161.1	Ca_kabuli_chr02	30945719	GG	CC	1940154382
SNP_P1_30112_30947607	NC_021161.1	Ca_kabuli_chr02	30947607	TT	CC	1940154383
SNP_P1_30113_30947686	NC_021161.1	Ca_kabuli_chr02	30947686	AA	GG	1940154384
SNP_P1_30114_30949148	NC_021161.1	Ca_kabuli_chr02	30949148	AA	GG	1940154385
SNP_P1_30115_30949199	NC_021161.1	Ca_kabuli_chr02	30949199	AA	GG	1940154386
SNP_P1_30116_30949499	NC_021161.1	Ca_kabuli_chr02	30949499	TT	CC	1940154387
SNP_P1_30118_30950703	NC_021161.1	Ca_kabuli_chr02	30950703	TT	CC	1940154388
SNP_P1_30119_30950748	NC_021161.1	Ca_kabuli_chr02	30950748	TT	AA	1940154390
SNP_P1_30120_30951694	NC_021161.1	Ca_kabuli_chr02	30951694	CC	TT	1940154391
SNP_P1_30121_30953606	NC_021161.1	Ca_kabuli_chr02	30953606	TT	CC	1940154392
SNP_P1_30122_30954351	NC_021161.1	Ca_kabuli_chr02	30954351	TT	AA	1940154393
SNP_P1_30123_30954617	NC_021161.1	Ca_kabuli_chr02	30954617	CC	TT	1940154394
SNP_P1_30124_30954701	NC_021161.1	Ca_kabuli_chr02	30954701	AA	GG	1940154395
SNP_P1_30125_30955002	NC_021161.1	Ca_kabuli_chr02	30955002	CC	GG	1940154396
SNP_P1_30126_30955735	NC_021161.1	Ca_kabuli_chr02	30955735	GG	TT	1940154397
SNP_P1_30127_30956724	NC_021161.1	Ca_kabuli_chr02	30956724	TT	GG	1940154398
SNP_P1_30128_30956782	NC_021161.1	Ca_kabuli_chr02	30956782	TT	GG	1940154399
SNP_P1_30129_30956968	NC_021161.1	Ca_kabuli_chr02	30956968	GG	CC	1940154400
SNP_P1_30130_30957589	NC_021161.1	Ca_kabuli_chr02	30957589	TT	AA	1940154401
SNP_P1_30131_30957590	NC_021161.1	Ca_kabuli_chr02	30957590	TT	AA	1940154402
SNP_P1_30132_30957619	NC_021161.1	Ca_kabuli_chr02	30957619	CC	TT	1940154403
SNP_P1_30133_30957794	NC_021161.1	Ca_kabuli_chr02	30957794	CC	AA	1940154404
SNP_P1_30136_30957797	NC_021161.1	Ca_kabuli_chr02	30957797	AA	TT	1940154405
SNP_P1_30137_30957846	NC_021161.1	Ca_kabuli_chr02	30957846	TT	CC	1940154406
SNP_P1_30138_30957888	NC_021161.1	Ca_kabuli_chr02	30957888	GG	AA	1940154407
SNP_P1_30139_30958001	NC_021161.1	Ca_kabuli_chr02	30958001	AA	GG	1940154408
SNP_P1_30140_30958066	NC_021161.1	Ca_kabuli_chr02	30958066	CC	AA	1940154409
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SNP_P1_30142_30958632	NC_021161.1	Ca_kabuli_chr02	30958632	AA	TT	1940154411
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SNP_P1_30144_30958778	NC_021161.1	Ca_kabuli_chr02	30958778	CC	TT	1940154413
SNP_P1_30145_30959098	NC_021161.1	Ca_kabuli_chr02	30959098	CC	TT	1940154414
SNP_P1_30146_30960977	NC_021161.1	Ca_kabuli_chr02	30960977	GG	AA	1940154415
SNP_P1_30147_30961259	NC_021161.1	Ca_kabuli_chr02	30961259	GG	TT	1940154416

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30149_30961319	NC_021161.1	Ca_kabuli_chr02	30961319	AA	GG	1940154418
SNP_P1_30150_30961330	NC_021161.1	Ca_kabuli_chr02	30961330	AA	TT	1940154419
SNP_P1_30151_30962038	NC_021161.1	Ca_kabuli_chr02	30962038	TT	CC	1940154420
SNP_P1_30152_30962415	NC_021161.1	Ca_kabuli_chr02	30962415	AA	GG	1940154422
SNP_P1_30153_30962498	NC_021161.1	Ca_kabuli_chr02	30962498	AA	GG	1940154423
SNP_P1_30154_30962547	NC_021161.1	Ca_kabuli_chr02	30962547	GG	AA	1940154424
SNP_P1_30155_30962551	NC_021161.1	Ca_kabuli_chr02	30962551	GG	TT	1940154425
SNP_P1_30156_30962552	NC_021161.1	Ca_kabuli_chr02	30962552	GG	AA	1940154426
SNP_P1_30157_30962632	NC_021161.1	Ca_kabuli_chr02	30962632	AA	GG	1940154427
SNP_P1_30158_30962645	NC_021161.1	Ca_kabuli_chr02	30962645	CC	AA	1940154428
SNP_P1_30159_30962699	NC_021161.1	Ca_kabuli_chr02	30962699	TT	CC	1940154429
SNP_P1_30160_30962862	NC_021161.1	Ca_kabuli_chr02	30962862	TT	CC	1940154430
SNP_P1_30161_30963081	NC_021161.1	Ca_kabuli_chr02	30963081	TT	CC	1940154431
SNP_P1_30162_30963111	NC_021161.1	Ca_kabuli_chr02	30963111	AA	GG	1940154432
SNP_P1_30164_30963191	NC_021161.1	Ca_kabuli_chr02	30963191	GG	TT	1940154433
SNP_P1_30165_30963199	NC_021161.1	Ca_kabuli_chr02	30963199	CC	TT	1940154434
SNP_P1_30166_30963208	NC_021161.1	Ca_kabuli_chr02	30963208	CC	TT	1940154435
SNP_P1_30167_30963218	NC_021161.1	Ca_kabuli_chr02	30963218	TT	GG	1940154436
SNP_P1_30168_30963252	NC_021161.1	Ca_kabuli_chr02	30963252	CC	GG	1940154437
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SNP_P1_30170_30963779	NC_021161.1	Ca_kabuli_chr02	30963779	TT	GG	1940154439
SNP_P1_30171_30964078	NC_021161.1	Ca_kabuli_chr02	30964078	CC	TT	1940154440
SNP_P1_30172_30964104	NC_021161.1	Ca_kabuli_chr02	30964104	AA	CC	1940154441
SNP_P1_30173_30964140	NC_021161.1	Ca_kabuli_chr02	30964140	CC	AA	1940154442
SNP_P1_30174_30964158	NC_021161.1	Ca_kabuli_chr02	30964158	GG	TT	1940154443
SNP_P1_30175_30964193	NC_021161.1	Ca_kabuli_chr02	30964193	CC	TT	1940154444
SNP_P1_30177_30965258	NC_021161.1	Ca_kabuli_chr02	30965258	TT	AA	1940154445
SNP_P1_30178_30965281	NC_021161.1	Ca_kabuli_chr02	30965281	GG	CC	1940154446
SNP_P1_30179_30965300	NC_021161.1	Ca_kabuli_chr02	30965300	CC	AA	1940154447
SNP_P1_30180_30965301	NC_021161.1	Ca_kabuli_chr02	30965301	AA	TT	1940154448
SNP_P1_30181_30965448	NC_021161.1	Ca_kabuli_chr02	30965448	AA	GG	1940154449
SNP_P1_30183_30965537	NC_021161.1	Ca_kabuli_chr02	30965537	TT	CC	1940154450
SNP_P1_30184_30965834	NC_021161.1	Ca_kabuli_chr02	30965834	TT	CC	1940154451
SNP_P1_30185_30965971	NC_021161.1	Ca_kabuli_chr02	30965971	AA	TT	1940154452
SNP_P1_30186_30966000	NC_021161.1	Ca_kabuli_chr02	30966000	CC	AA	1940154453
SNP_P1_30187_30966007	NC_021161.1	Ca_kabuli_chr02	30966007	AA	TT	1940154455
SNP_P1_30188_30966172	NC_021161.1	Ca_kabuli_chr02	30966172	GG	AA	1940154456
SNP_P1_30189_30967758	NC_021161.1	Ca_kabuli_chr02	30967758	CC	TT	1940154457
SNP_P1_30190_30967823	NC_021161.1	Ca_kabuli_chr02	30967823	AA	GG	1940154458
SNP_P1_30191_30967894	NC_021161.1	Ca_kabuli_chr02	30967894	TT	GG	1940154459
SNP_P1_30192_30967901	NC_021161.1	Ca_kabuli_chr02	30967901	TT	CC	1940154460

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30194_30969128	NC_021161.1	Ca_kabuli_chr02	30969128	TT	CC	1940154462
SNP_P1_30195_30969133	NC_021161.1	Ca_kabuli_chr02	30969133	TT	GG	1940154463
SNP_P1_30196_30969175	NC_021161.1	Ca_kabuli_chr02	30969175	TT	AA	1940154464
SNP_P1_30197_30969194	NC_021161.1	Ca_kabuli_chr02	30969194	TT	AA	1940154465
SNP_P1_30198_30969223	NC_021161.1	Ca_kabuli_chr02	30969223	CC	TT	1940154466
SNP_P1_30199_30969276	NC_021161.1	Ca_kabuli_chr02	30969276	CC	GG	1940154467
SNP_P1_30200_30969326	NC_021161.1	Ca_kabuli_chr02	30969326	GG	AA	1940154468
SNP_P1_30201_30969330	NC_021161.1	Ca_kabuli_chr02	30969330	TT	GG	1940154469
SNP_P1_30202_30969387	NC_021161.1	Ca_kabuli_chr02	30969387	GG	AA	1940154470
SNP_P1_30203_30978890	NC_021161.1	Ca_kabuli_chr02	30978890	GG	CC	1940154471
SNP_P1_30205_30979164	NC_021161.1	Ca_kabuli_chr02	30979164	TT	AA	1940154472
SNP_P1_30206_30979203	NC_021161.1	Ca_kabuli_chr02	30979203	CC	TT	1940154473
SNP_P1_30207_30979221	NC_021161.1	Ca_kabuli_chr02	30979221	GG	TT	1940154474
SNP_P1_30208_30979246	NC_021161.1	Ca_kabuli_chr02	30979246	GG	AA	1940154475
SNP_P1_30209_30979384	NC_021161.1	Ca_kabuli_chr02	30979384	TT	GG	1940154476
SNP_P1_30210_30980326	NC_021161.1	Ca_kabuli_chr02	30980326	CC	AA	1940154477
SNP_P1_30212_30981560	NC_021161.1	Ca_kabuli_chr02	30981560	AA	TT	1940154478
SNP_P1_30213_30981593	NC_021161.1	Ca_kabuli_chr02	30981593	TT	CC	1940154479
SNP_P1_30214_30981596	NC_021161.1	Ca_kabuli_chr02	30981596	TT	CC	1940154480
SNP_P1_30215_30981787	NC_021161.1	Ca_kabuli_chr02	30981787	GG	CC	1940154481
SNP_P1_30216_30982409	NC_021161.1	Ca_kabuli_chr02	30982409	GG	TT	1940154482
SNP_P1_30217_30982698	NC_021161.1	Ca_kabuli_chr02	30982698	TT	GG	1940154483
SNP_P1_30218_30982703	NC_021161.1	Ca_kabuli_chr02	30982703	AA	GG	1940154484
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SNP_P1_30223_30987779	NC_021161.1	Ca_kabuli_chr02	30987779	AA	TT	1940154486
SNP_P1_30224_30988444	NC_021161.1	Ca_kabuli_chr02	30988444	GG	AA	1940154487
SNP_P1_30225_30989742	NC_021161.1	Ca_kabuli_chr02	30989742	AA	GG	1940154488
SNP_P1_30226_30991163	NC_021161.1	Ca_kabuli_chr02	30991163	AA	CC	1940154489
SNP_P1_30227_30991208	NC_021161.1	Ca_kabuli_chr02	30991208	TT	CC	1940154490
SNP_P1_30228_30992865	NC_021161.1	Ca_kabuli_chr02	30992865	TT	CC	1940154491
SNP_P1_30229_30992909	NC_021161.1	Ca_kabuli_chr02	30992909	GG	TT	1940154492
SNP_P1_30230_30992938	NC_021161.1	Ca_kabuli_chr02	30992938	TT	AA	1940154493
SNP_P1_30231_30992952	NC_021161.1	Ca_kabuli_chr02	30992952	GG	AA	1940154494
SNP_P1_30232_30992984	NC_021161.1	Ca_kabuli_chr02	30992984	GG	AA	1940154495
SNP_P1_30233_30997103	NC_021161.1	Ca_kabuli_chr02	30997103	GG	AA	1940154496
SNP_P1_30234_30997158	NC_021161.1	Ca_kabuli_chr02	30997158	AA	GG	1940154497
SNP_P1_30235_30997159	NC_021161.1	Ca_kabuli_chr02	30997159	CC	TT	1940154498
SNP_P1_30238_30997236	NC_021161.1	Ca_kabuli_chr02	30997236	GG	AA	1940154500
SNP_P1_30239_30997394	NC_021161.1	Ca_kabuli_chr02	30997394	TT	AA	1940154501
SNP_P1_30240_30997574	NC_021161.1	Ca_kabuli_chr02	30997574	CC	AA	1940154502
SNP_P1_30241_30997873	NC_021161.1	Ca_kabuli_chr02	30997873	AA	TT	1940154503

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30243_30999430	NC_021161.1	Ca_kabuli_chr02	30999430	GG	AA	1940154505
SNP_P1_30245_30999471	NC_021161.1	Ca_kabuli_chr02	30999471	TT	CC	1940154506
SNP_P1_30246_30999531	NC_021161.1	Ca_kabuli_chr02	30999531	AA	CC	1940154507
SNP_P1_30247_30999857	NC_021161.1	Ca_kabuli_chr02	30999857	AA	TT	1940154508
SNP_P1_30248_30999860	NC_021161.1	Ca_kabuli_chr02	30999860	GG	AA	1940154509
SNP_P1_30249_31000946	NC_021161.1	Ca_kabuli_chr02	31000946	AA	TT	1940154510
SNP_P1_30250_31000963	NC_021161.1	Ca_kabuli_chr02	31000963	GG	AA	1940154511
SNP_P1_30251_31000991	NC_021161.1	Ca_kabuli_chr02	31000991	AA	GG	1940154512
SNP_P1_30252_31001054	NC_021161.1	Ca_kabuli_chr02	31001054	AA	TT	1940154513
SNP_P1_30253_31001300	NC_021161.1	Ca_kabuli_chr02	31001300	CC	TT	1940154514
SNP_P1_30254_31001612	NC_021161.1	Ca_kabuli_chr02	31001612	AA	TT	1940154515
SNP_P1_30256_31004191	NC_021161.1	Ca_kabuli_chr02	31004191	GG	AA	1940154516
SNP_P1_30257_31004203	NC_021161.1	Ca_kabuli_chr02	31004203	AA	GG	1940154517
SNP_P1_30258_31004236	NC_021161.1	Ca_kabuli_chr02	31004236	GG	AA	1940154518
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SNP_P1_30260_31004277	NC_021161.1	Ca_kabuli_chr02	31004277	GG	AA	1940154520
SNP_P1_30261_31004339	NC_021161.1	Ca_kabuli_chr02	31004339	CC	AA	1940154521
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SNP_P1_30263_31004884	NC_021161.1	Ca_kabuli_chr02	31004884	AA	GG	1940154523
SNP_P1_30264_31004902	NC_021161.1	Ca_kabuli_chr02	31004902	AA	GG	1940154524
SNP_P1_30265_31004906	NC_021161.1	Ca_kabuli_chr02	31004906	TT	CC	1940154525
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SNP_P1_30268_31006093	NC_021161.1	Ca_kabuli_chr02	31006093	CC	GG	1940154528
SNP_P1_30269_31006114	NC_021161.1	Ca_kabuli_chr02	31006114	CC	GG	1940154529
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SNP_P1_30272_31007148	NC_021161.1	Ca_kabuli_chr02	31007148	TT	CC	1940154532
SNP_P1_30273_31007180	NC_021161.1	Ca_kabuli_chr02	31007180	GG	CC	1940154533
SNP_P1_30274_31007204	NC_021161.1	Ca_kabuli_chr02	31007204	CC	TT	1940154534
SNP_P1_30275_31007264	NC_021161.1	Ca_kabuli_chr02	31007264	TT	CC	1940154535
SNP_P1_30276_31007359	NC_021161.1	Ca_kabuli_chr02	31007359	GG	AA	1940154536
SNP_P1_30277_31007380	NC_021161.1	Ca_kabuli_chr02	31007380	TT	CC	1940154537
SNP_P1_30278_31007444	NC_021161.1	Ca_kabuli_chr02	31007444	AA	TT	1940154538
SNP_P1_30279_31007596	NC_021161.1	Ca_kabuli_chr02	31007596	AA	TT	1940154539
SNP_P1_30280_31007916	NC_021161.1	Ca_kabuli_chr02	31007916	GG	AA	1940154540
SNP_P1_30281_31009067	NC_021161.1	Ca_kabuli_chr02	31009067	TT	GG	1940154541
SNP_P1_30282_31009132	NC_021161.1	Ca_kabuli_chr02	31009132	AA	GG	1940154542
SNP_P1_30283_31009138	NC_021161.1	Ca_kabuli_chr02	31009138	AA	TT	1940154543
SNP_P1_30284_31009562	NC_021161.1	Ca_kabuli_chr02	31009562	AA	GG	1940154544
SNP_P1_30285_31009581	NC_021161.1	Ca_kabuli_chr02	31009581	AA	TT	1940154545

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30288_31009765	NC_021161.1	Ca_kabuli_chr02	31009765	GG	CC	1940154548
SNP_P1_30289_31009808	NC_021161.1	Ca_kabuli_chr02	31009808	TT	CC	1940154549
SNP_P1_30290_31009828	NC_021161.1	Ca_kabuli_chr02	31009828	CC	TT	1940154550
SNP_P1_30291_31009831	NC_021161.1	Ca_kabuli_chr02	31009831	CC	TT	1940154551
SNP_P1_30292_31009832	NC_021161.1	Ca_kabuli_chr02	31009832	TT	AA	1940154552
SNP_P1_30293_31009878	NC_021161.1	Ca_kabuli_chr02	31009878	TT	CC	1940154553
SNP_P1_30294_31009889	NC_021161.1	Ca_kabuli_chr02	31009889	TT	GG	1940154554
SNP_P1_30295_31009890	NC_021161.1	Ca_kabuli_chr02	31009890	TT	GG	1940154556
SNP_P1_30296_31009894	NC_021161.1	Ca_kabuli_chr02	31009894	CC	TT	1940154557
SNP_P1_30297_31009905	NC_021161.1	Ca_kabuli_chr02	31009905	TT	AA	1940154558
SNP_P1_30298_31009938	NC_021161.1	Ca_kabuli_chr02	31009938	AA	TT	1940154559
SNP_P1_30299_31009952	NC_021161.1	Ca_kabuli_chr02	31009952	AA	GG	1940154560
SNP_P1_30300_31010312	NC_021161.1	Ca_kabuli_chr02	31010312	TT	GG	1940154561
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SNP_P1_30305_31010583	NC_021161.1	Ca_kabuli_chr02	31010583	GG	AA	1940154566
SNP_P1_30306_31010584	NC_021161.1	Ca_kabuli_chr02	31010584	AA	GG	1940154567
SNP_P1_30307_31010717	NC_021161.1	Ca_kabuli_chr02	31010717	AA	GG	1940154568
SNP_P1_30308_31010742	NC_021161.1	Ca_kabuli_chr02	31010742	CC	TT	1940154569
SNP_P1_30309_31010757	NC_021161.1	Ca_kabuli_chr02	31010757	AA	GG	1940154570
SNP_P1_30310_31011090	NC_021161.1	Ca_kabuli_chr02	31011090	CC	GG	1940154571
SNP_P1_30311_31011854	NC_021161.1	Ca_kabuli_chr02	31011854	CC	TT	1940154572
SNP_P1_30312_31011926	NC_021161.1	Ca_kabuli_chr02	31011926	TT	AA	1940154573
SNP_P1_30313_31012118	NC_021161.1	Ca_kabuli_chr02	31012118	AA	GG	1940154574
SNP_P1_30314_31012155	NC_021161.1	Ca_kabuli_chr02	31012155	TT	CC	1940154575
SNP_P1_30315_31012163	NC_021161.1	Ca_kabuli_chr02	31012163	CC	GG	1940154576
SNP_P1_30316_31012239	NC_021161.1	Ca_kabuli_chr02	31012239	TT	CC	1940154577
SNP_P1_30317_31012259	NC_021161.1	Ca_kabuli_chr02	31012259	AA	GG	1940154578
SNP_P1_30318_31012274	NC_021161.1	Ca_kabuli_chr02	31012274	TT	CC	1940154579
SNP_P1_30319_31012312	NC_021161.1	Ca_kabuli_chr02	31012312	GG	AA	1940154580
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SNP_P1_30321_31012363	NC_021161.1	Ca_kabuli_chr02	31012363	CC	AA	1940154582
SNP_P1_30322_31012415	NC_021161.1	Ca_kabuli_chr02	31012415	CC	GG	1940154583
SNP_P1_30323_31012421	NC_021161.1	Ca_kabuli_chr02	31012421	TT	CC	1940154584
SNP_P1_30324_31012436	NC_021161.1	Ca_kabuli_chr02	31012436	TT	CC	1940154585
SNP_P1_30325_31012459	NC_021161.1	Ca_kabuli_chr02	31012459	CC	AA	1940154586
SNP_P1_30326_31012489	NC_021161.1	Ca_kabuli_chr02	31012489	TT	CC	1940154587
SNP_P1_30327_31012654	NC_021161.1	Ca_kabuli_chr02	31012654	AA	GG	1940154588

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30329_31013440	NC_021161.1	Ca_kabuli_chr02	31013440	TT	GG	1940154590
SNP_P1_30332_31013910	NC_021161.1	Ca_kabuli_chr02	31013910	AA	GG	1940154591
SNP_P1_30333_31013920	NC_021161.1	Ca_kabuli_chr02	31013920	GG	AA	1940154592
SNP_P1_30334_31013933	NC_021161.1	Ca_kabuli_chr02	31013933	TT	CC	1940154593
SNP_P1_30335_31014043	NC_021161.1	Ca_kabuli_chr02	31014043	CC	TT	1940154594
SNP_P1_30336_31014567	NC_021161.1	Ca_kabuli_chr02	31014567	TT	CC	1940154595
SNP_P1_30337_31014632	NC_021161.1	Ca_kabuli_chr02	31014632	TT	CC	1940154596
SNP_P1_30338_31015768	NC_021161.1	Ca_kabuli_chr02	31015768	CC	AA	1940154597
SNP_P1_30339_31016590	NC_021161.1	Ca_kabuli_chr02	31016590	CC	TT	1940154598
SNP_P1_30340_31016997	NC_021161.1	Ca_kabuli_chr02	31016997	AA	GG	1940154599
SNP_P1_30341_31017188	NC_021161.1	Ca_kabuli_chr02	31017188	TT	CC	1940154600
SNP_P1_30342_31017224	NC_021161.1	Ca_kabuli_chr02	31017224	AA	GG	1940154602
SNP_P1_30343_31017230	NC_021161.1	Ca_kabuli_chr02	31017230	AA	GG	1940154603
SNP_P1_30344_31017365	NC_021161.1	Ca_kabuli_chr02	31017365	GG	AA	1940154604
SNP_P1_30345_31017514	NC_021161.1	Ca_kabuli_chr02	31017514	CC	TT	1940154605
SNP_P1_30346_31017572	NC_021161.1	Ca_kabuli_chr02	31017572	AA	GG	1940154606
SNP_P1_30347_31017731	NC_021161.1	Ca_kabuli_chr02	31017731	GG	AA	1940154607
SNP_P1_30348_31017816	NC_021161.1	Ca_kabuli_chr02	31017816	CC	TT	1940154608
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SNP_P1_30351_31017944	NC_021161.1	Ca_kabuli_chr02	31017944	AA	GG	1940154610
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SNP_P1_30353_31019718	NC_021161.1	Ca_kabuli_chr02	31019718	GG	CC	1940154612
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SNP_P1_30359_31022428	NC_021161.1	Ca_kabuli_chr02	31022428	GG	CC	1940154618
SNP_P1_30360_31022485	NC_021161.1	Ca_kabuli_chr02	31022485	CC	TT	1940154619
SNP_P1_30361_31028512	NC_021161.1	Ca_kabuli_chr02	31028512	TT	AA	1940154620
SNP_P1_30362_31028655	NC_021161.1	Ca_kabuli_chr02	31028655	TT	AA	1940154621
SNP_P1_30363_31028681	NC_021161.1	Ca_kabuli_chr02	31028681	TT	AA	1940154622
SNP_P1_30364_31028830	NC_021161.1	Ca_kabuli_chr02	31028830	CC	TT	1940154623
SNP_P1_30365_31028976	NC_021161.1	Ca_kabuli_chr02	31028976	GG	AA	1940154624
SNP_P1_30366_31029277	NC_021161.1	Ca_kabuli_chr02	31029277	TT	CC	1940154625
SNP_P1_30367_31030885	NC_021161.1	Ca_kabuli_chr02	31030885	AA	GG	1940154626
SNP_P1_30368_31030915	NC_021161.1	Ca_kabuli_chr02	31030915	AA	GG	1940154627
SNP_P1_30369_31030923	NC_021161.1	Ca_kabuli_chr02	31030923	TT	CC	1940154628
SNP_P1_30370_31030925	NC_021161.1	Ca_kabuli_chr02	31030925	CC	TT	1940154629
SNP_P1_30371_31031102	NC_021161.1	Ca_kabuli_chr02	31031102	AA	CC	1940154630
SNP_P1_30373_31031586	NC_021161.1	Ca_kabuli_chr02	31031586	TT	AA	1940154631

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30378_31033817	NC_021161.1	Ca_kabuli_chr02	31033817	TT	CC	1940154635
SNP_P1_30379_31034029	NC_021161.1	Ca_kabuli_chr02	31034029	CC	AA	1940154636
SNP_P1_30380_31034882	NC_021161.1	Ca_kabuli_chr02	31034882	GG	AA	1940154637
SNP_P1_30381_31034933	NC_021161.1	Ca_kabuli_chr02	31034933	TT	CC	1940154638
SNP_P1_30382_31034946	NC_021161.1	Ca_kabuli_chr02	31034946	TT	AA	1940154639
SNP_P1_30383_31034951	NC_021161.1	Ca_kabuli_chr02	31034951	AA	TT	1940154640
SNP_P1_30384_31034966	NC_021161.1	Ca_kabuli_chr02	31034966	TT	CC	1940154641
SNP_P1_30385_31034987	NC_021161.1	Ca_kabuli_chr02	31034987	CC	TT	1940154642
SNP_P1_30386_31034988	NC_021161.1	Ca_kabuli_chr02	31034988	TT	AA	1940154643
SNP_P1_30387_31035001	NC_021161.1	Ca_kabuli_chr02	31035001	AA	GG	1940154644
SNP_P1_30388_31035002	NC_021161.1	Ca_kabuli_chr02	31035002	AA	GG	1940154645
SNP_P1_30389_31035010	NC_021161.1	Ca_kabuli_chr02	31035010	TT	CC	1940154646
SNP_P1_30390_31035026	NC_021161.1	Ca_kabuli_chr02	31035026	AA	GG	1940154647
SNP_P1_30391_31035040	NC_021161.1	Ca_kabuli_chr02	31035040	TT	AA	1940154648
SNP_P1_30392_31035043	NC_021161.1	Ca_kabuli_chr02	31035043	AA	GG	1940154649
SNP_P1_30393_31035050	NC_021161.1	Ca_kabuli_chr02	31035050	CC	TT	1940154650
SNP_P1_30394_31035052	NC_021161.1	Ca_kabuli_chr02	31035052	TT	GG	1940154651
SNP_P1_30395_31035179	NC_021161.1	Ca_kabuli_chr02	31035179	TT	CC	1940154652
SNP_P1_30396_31035246	NC_021161.1	Ca_kabuli_chr02	31035246	GG	TT	1940154653
SNP_P1_30398_31035506	NC_021161.1	Ca_kabuli_chr02	31035506	CC	TT	1940154654
SNP_P1_30399_31035642	NC_021161.1	Ca_kabuli_chr02	31035642	AA	CC	1940154655
SNP_P1_30400_31035907	NC_021161.1	Ca_kabuli_chr02	31035907	TT	CC	1940154656
SNP_P1_30402_31036093	NC_021161.1	Ca_kabuli_chr02	31036093	AA	GG	1940154657
SNP_P1_30403_31036185	NC_021161.1	Ca_kabuli_chr02	31036185	TT	GG	1940154658
SNP_P1_30404_31036218	NC_021161.1	Ca_kabuli_chr02	31036218	AA	TT	1940154659
SNP_P1_30405_31036250	NC_021161.1	Ca_kabuli_chr02	31036250	AA	GG	1940154660
SNP_P1_30406_31036254	NC_021161.1	Ca_kabuli_chr02	31036254	AA	TT	1940154661
SNP_P1_30407_31036274	NC_021161.1	Ca_kabuli_chr02	31036274	CC	TT	1940154662
SNP_P1_30408_31036307	NC_021161.1	Ca_kabuli_chr02	31036307	GG	TT	1940154663
SNP_P1_30409_31036407	NC_021161.1	Ca_kabuli_chr02	31036407	CC	TT	1940154664
SNP_P1_30410_31036414	NC_021161.1	Ca_kabuli_chr02	31036414	AA	GG	1940154665
SNP_P1_30411_31036416	NC_021161.1	Ca_kabuli_chr02	31036416	AA	GG	1940154666
SNP_P1_30412_31036439	NC_021161.1	Ca_kabuli_chr02	31036439	TT	CC	1940154667
SNP_P1_30413_31036440	NC_021161.1	Ca_kabuli_chr02	31036440	CC	TT	1940154668
SNP_P1_30414_31036460	NC_021161.1	Ca_kabuli_chr02	31036460	AA	GG	1940154669
SNP_P1_30415_31036894	NC_021161.1	Ca_kabuli_chr02	31036894	GG	AA	1940154671
SNP_P1_30416_31036912	NC_021161.1	Ca_kabuli_chr02	31036912	CC	TT	1940154672
SNP_P1_30417_31036919	NC_021161.1	Ca_kabuli_chr02	31036919	CC	AA	1940154673
SNP_P1_30418_31036924	NC_021161.1	Ca_kabuli_chr02	31036924	GG	TT	1940154674
SNP_P1_30419_31036964	NC_021161.1	Ca_kabuli_chr02	31036964	TT	CC	1940154675

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30421_31037253	NC_021161.1	Ca_kabuli_chr02	31037253	AA	GG	1940154677
SNP_P1_30422_31038634	NC_021161.1	Ca_kabuli_chr02	31038634	CC	TT	1940154678
SNP_P1_30424_31038706	NC_021161.1	Ca_kabuli_chr02	31038706	TT	CC	1940154679
SNP_P1_30425_31039584	NC_021161.1	Ca_kabuli_chr02	31039584	GG	AA	1940154680
SNP_P1_30426_31039598	NC_021161.1	Ca_kabuli_chr02	31039598	GG	AA	1940154681
SNP_P1_30427_31039624	NC_021161.1	Ca_kabuli_chr02	31039624	TT	CC	1940154682
SNP_P1_30428_31039943	NC_021161.1	Ca_kabuli_chr02	31039943	TT	CC	1940154683
SNP_P1_30429_31039949	NC_021161.1	Ca_kabuli_chr02	31039949	CC	AA	1940154684
SNP_P1_30430_31040055	NC_021161.1	Ca_kabuli_chr02	31040055	CC	TT	1940154685
SNP_P1_30431_31040096	NC_021161.1	Ca_kabuli_chr02	31040096	TT	CC	1940154686
SNP_P1_30432_31040171	NC_021161.1	Ca_kabuli_chr02	31040171	CC	TT	1940154687
SNP_P1_30433_31040178	NC_021161.1	Ca_kabuli_chr02	31040178	CC	TT	1940154688
SNP_P1_30434_31040264	NC_021161.1	Ca_kabuli_chr02	31040264	GG	CC	1940154689
SNP_P1_30435_31040350	NC_021161.1	Ca_kabuli_chr02	31040350	AA	GG	1940154690
SNP_P1_30436_31040354	NC_021161.1	Ca_kabuli_chr02	31040354	CC	GG	1940154691
SNP_P1_30437_31040358	NC_021161.1	Ca_kabuli_chr02	31040358	AA	CC	1940154692
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SNP_P1_30439_31040402	NC_021161.1	Ca_kabuli_chr02	31040402	TT	CC	1940154694
SNP_P1_30440_31040408	NC_021161.1	Ca_kabuli_chr02	31040408	TT	CC	1940154695
SNP_P1_30441_31040439	NC_021161.1	Ca_kabuli_chr02	31040439	CC	TT	1940154696
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SNP_P1_30453_31042052	NC_021161.1	Ca_kabuli_chr02	31042052	AA	GG	1940154704
SNP_P1_30455_31042550	NC_021161.1	Ca_kabuli_chr02	31042550	CC	AA	1940154705
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SNP_P1_30459_31042981	NC_021161.1	Ca_kabuli_chr02	31042981	CC	AA	1940154710
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SNP_P1_30462_31043210	NC_021161.1	Ca_kabuli_chr02	31043210	AA	GG	1940154713
SNP_P1_30463_31043215	NC_021161.1	Ca_kabuli_chr02	31043215	TT	GG	1940154714
SNP_P1_30464_31044684	NC_021161.1	Ca_kabuli_chr02	31044684	TT	CC	1940154715
SNP_P1_30466_31047576	NC_021161.1	Ca_kabuli_chr02	31047576	TT	AA	1940154716
SNP_P1_30467_31047582	NC_021161.1	Ca_kabuli_chr02	31047582	AA	TT	1940154717
SNP_P1_30468_31047616	NC_021161.1	Ca_kabuli_chr02	31047616	CC	TT	1940154718

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30470_31047868	NC_021161.1	Ca_kabuli_chr02	31047868	AA	GG	1940154720
SNP_P1_30471_31048568	NC_021161.1	Ca_kabuli_chr02	31048568	TT	CC	1940154721
SNP_P1_30472_31048755	NC_021161.1	Ca_kabuli_chr02	31048755	GG	AA	1940154722
SNP_P1_30473_31049971	NC_021161.1	Ca_kabuli_chr02	31049971	TT	GG	1940154723
SNP_P1_30474_31050022	NC_021161.1	Ca_kabuli_chr02	31050022	GG	AA	1940154724
SNP_P1_30475_31050035	NC_021161.1	Ca_kabuli_chr02	31050035	CC	TT	1940154725
SNP_P1_30476_31050299	NC_021161.1	Ca_kabuli_chr02	31050299	GG	TT	1940154726
SNP_P1_30477_31050610	NC_021161.1	Ca_kabuli_chr02	31050610	GG	AA	1940154727
SNP_P1_30478_31051479	NC_021161.1	Ca_kabuli_chr02	31051479	GG	AA	1940154728
SNP_P1_30480_31051697	NC_021161.1	Ca_kabuli_chr02	31051697	TT	AA	1940154729
SNP_P1_30481_31053113	NC_021161.1	Ca_kabuli_chr02	31053113	AA	GG	1940154730
SNP_P1_30482_31059148	NC_021161.1	Ca_kabuli_chr02	31059148	GG	AA	1940154731
SNP_P1_30483_31059184	NC_021161.1	Ca_kabuli_chr02	31059184	TT	CC	1940154732
SNP_P1_30484_31060072	NC_021161.1	Ca_kabuli_chr02	31060072	GG	AA	1940154733
SNP_P1_30486_31061615	NC_021161.1	Ca_kabuli_chr02	31061615	CC	TT	1940154734
SNP_P1_30487_31061662	NC_021161.1	Ca_kabuli_chr02	31061662	CC	GG	1940154735
SNP_P1_30488_31061669	NC_021161.1	Ca_kabuli_chr02	31061669	AA	GG	1940154736
SNP_P1_30489_31061742	NC_021161.1	Ca_kabuli_chr02	31061742	AA	CC	1940154737
SNP_P1_30490_31061762	NC_021161.1	Ca_kabuli_chr02	31061762	CC	TT	1940154738
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SNP_P1_30493_31061822	NC_021161.1	Ca_kabuli_chr02	31061822	AA	GG	1940154741
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SNP_P1_30497_31069269	NC_021161.1	Ca_kabuli_chr02	31069269	GG	TT	1940154744
SNP_P1_30498_31069294	NC_021161.1	Ca_kabuli_chr02	31069294	AA	CC	1940154745
SNP_P1_30499_31069299	NC_021161.1	Ca_kabuli_chr02	31069299	CC	GG	1940154747
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SNP_P1_30501_31069661	NC_021161.1	Ca_kabuli_chr02	31069661	CC	TT	1940154749
SNP_P1_30502_31069664	NC_021161.1	Ca_kabuli_chr02	31069664	TT	CC	1940154750
SNP_P1_30503_31070148	NC_021161.1	Ca_kabuli_chr02	31070148	TT	AA	1940154751
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SNP_P1_30508_31072486	NC_021161.1	Ca_kabuli_chr02	31072486	CC	TT	1940154756
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SNP_P1_30511_31072839	NC_021161.1	Ca_kabuli_chr02	31072839	TT	GG	1940154759
SNP_P1_30512_31072916	NC_021161.1	Ca_kabuli_chr02	31072916	CC	AA	1940154760
SNP_P1_30513_31073002	NC_021161.1	Ca_kabuli_chr02	31073002	TT	CC	1940154761

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30517_31073204	NC_021161.1	Ca_kabuli_chr02	31073204	AA	GG	1940154764
SNP_P1_30518_31073271	NC_021161.1	Ca_kabuli_chr02	31073271	CC	TT	1940154765
SNP_P1_30519_31073368	NC_021161.1	Ca_kabuli_chr02	31073368	AA	TT	1940154766
SNP_P1_30520_31073579	NC_021161.1	Ca_kabuli_chr02	31073579	TT	CC	1940154767
SNP_P1_30522_31075026	NC_021161.1	Ca_kabuli_chr02	31075026	CC	TT	1940154768
SNP_P1_30523_31075558	NC_021161.1	Ca_kabuli_chr02	31075558	GG	AA	1940154769
SNP_P1_30524_31075567	NC_021161.1	Ca_kabuli_chr02	31075567	TT	GG	1940154770
SNP_P1_30525_31075867	NC_021161.1	Ca_kabuli_chr02	31075867	GG	TT	1940154771
SNP_P1_30526_31076621	NC_021161.1	Ca_kabuli_chr02	31076621	CC	GG	1940154772
SNP_P1_30527_31076669	NC_021161.1	Ca_kabuli_chr02	31076669	CC	TT	1940154773
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SNP_P1_30550_31081906	NC_021161.1	Ca_kabuli_chr02	31081906	CC	AA	1940154793
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SNP_P1_30559_31083283	NC_021161.1	Ca_kabuli_chr02	31083283	TT	CC	1940154802
SNP_P1_30560_31083308	NC_021161.1	Ca_kabuli_chr02	31083308	TT	CC	1940154803
SNP_P1_30561_31084531	NC_021161.1	Ca_kabuli_chr02	31084531	TT	CC	1940154804

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30566_31085106	NC_021161.1	Ca_kabuli_chr02	31085106	TT	CC	1940154808
SNP_P1_30567_31085111	NC_021161.1	Ca_kabuli_chr02	31085111	CC	TT	1940154809
SNP_P1_30568_31085114	NC_021161.1	Ca_kabuli_chr02	31085114	CC	TT	1940154810
SNP_P1_30569_31085115	NC_021161.1	Ca_kabuli_chr02	31085115	CC	TT	1940154811
SNP_P1_30570_31085276	NC_021161.1	Ca_kabuli_chr02	31085276	CC	TT	1940154812
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SNP_P1_30573_31085424	NC_021161.1	Ca_kabuli_chr02	31085424	CC	AA	1940154816
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SNP_P1_30576_31085478	NC_021161.1	Ca_kabuli_chr02	31085478	CC	TT	1940154819
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SNP_P1_30578_31086009	NC_021161.1	Ca_kabuli_chr02	31086009	AA	TT	1940154821
SNP_P1_30579_31087443	NC_021161.1	Ca_kabuli_chr02	31087443	TT	GG	1940154822
SNP_P1_30581_31088407	NC_021161.1	Ca_kabuli_chr02	31088407	CC	TT	1940154823
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SNP_P1_30586_31088508	NC_021161.1	Ca_kabuli_chr02	31088508	GG	AA	1940154828
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SNP_P1_30588_31088617	NC_021161.1	Ca_kabuli_chr02	31088617	GG	AA	1940154830
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SNP_P1_30593_31089648	NC_021161.1	Ca_kabuli_chr02	31089648	TT	CC	1940154835
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SNP_P1_30595_31089684	NC_021161.1	Ca_kabuli_chr02	31089684	AA	TT	1940154837
SNP_P1_30596_31090142	NC_021161.1	Ca_kabuli_chr02	31090142	AA	CC	1940154838
SNP_P1_30597_31091348	NC_021161.1	Ca_kabuli_chr02	31091348	GG	AA	1940154839
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SNP_P1_30599_31091575	NC_021161.1	Ca_kabuli_chr02	31091575	GG	TT	1940154841
SNP_P1_30600_31091841	NC_021161.1	Ca_kabuli_chr02	31091841	AA	GG	1940154842
SNP_P1_30601_31092512	NC_021161.1	Ca_kabuli_chr02	31092512	TT	GG	1940154843
SNP_P1_30602_31092679	NC_021161.1	Ca_kabuli_chr02	31092679	AA	TT	1940154844
SNP_P1_30603_31092974	NC_021161.1	Ca_kabuli_chr02	31092974	GG	AA	1940154845
SNP_P1_30604_31094805	NC_021161.1	Ca_kabuli_chr02	31094805	AA	CC	1940154847
SNP_P1_30605_31094856	NC_021161.1	Ca_kabuli_chr02	31094856	TT	CC	1940154848

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_30606_31095139	NC_021161.1	Ca_kabuli_chr02	31095139	GG	AA	1940154849
SNP_P1_30607_31095141	NC_021161.1	Ca_kabuli_chr02	31095141	AA	GG	1940154850
SNP_P1_30608_31098851	NC_021161.1	Ca_kabuli_chr02	31098851	CC	TT	1940154851
SNP_P1_30609_31099195	NC_021161.1	Ca_kabuli_chr02	31099195	AA	CC	1940154852
SNP_P1_30610_31099683	NC_021161.1	Ca_kabuli_chr02	31099683	GG	AA	1940154853
SNP_P1_30611_31099694	NC_021161.1	Ca_kabuli_chr02	31099694	CC	TT	1940154854
SNP_P1_30612_31099943	NC_021161.1	Ca_kabuli_chr02	31099943	AA	GG	1940154855
SNP_P1_30613_31099960	NC_021161.1	Ca_kabuli_chr02	31099960	GG	AA	1940154856
SNP_P1_30614_31103306	NC_021161.1	Ca_kabuli_chr02	31103306	CC	GG	1940154857
SNP_P1_30615_31103312	NC_021161.1	Ca_kabuli_chr02	31103312	CC	TT	1940154858
SNP_P1_30616_31103320	NC_021161.1	Ca_kabuli_chr02	31103320	GG	AA	1940154859
SNP_P1_30618_31103664	NC_021161.1	Ca_kabuli_chr02	31103664	GG	AA	1940154860
SNP_P1_30619_31104021	NC_021161.1	Ca_kabuli_chr02	31104021	GG	AA	1940154861
SNP_P1_30620_31104042	NC_021161.1	Ca_kabuli_chr02	31104042	GG	TT	1940154862
SNP_P1_30621_31104814	NC_021161.1	Ca_kabuli_chr02	31104814	AA	GG	1940154863
SNP_P1_30622_31104916	NC_021161.1	Ca_kabuli_chr02	31104916	GG	AA	1940154864
SNP_P1_30623_31104945	NC_021161.1	Ca_kabuli_chr02	31104945	GG	AA	1940154865
SNP_P1_30624_31105158	NC_021161.1	Ca_kabuli_chr02	31105158	TT	CC	1940154866
SNP_P1_30625_31105180	NC_021161.1	Ca_kabuli_chr02	31105180	AA	GG	1940154867
SNP_P1_30626_31105204	NC_021161.1	Ca_kabuli_chr02	31105204	TT	GG	1940154868
SNP_P1_30627_31105889	NC_021161.1	Ca_kabuli_chr02	31105889	TT	GG	1940154869
SNP_P1_30629_31106151	NC_021161.1	Ca_kabuli_chr02	31106151	CC	TT	1940154870
SNP_P1_30630_31106169	NC_021161.1	Ca_kabuli_chr02	31106169	AA	GG	1940154871
SNP_P1_30631_31106178	NC_021161.1	Ca_kabuli_chr02	31106178	AA	TT	1940154872
SNP_P1_30632_31106783	NC_021161.1	Ca_kabuli_chr02	31106783	TT	CC	1940154873
SNP_P1_30633_31106793	NC_021161.1	Ca_kabuli_chr02	31106793	GG	AA	1940154874
SNP_P1_30634_31106804	NC_021161.1	Ca_kabuli_chr02	31106804	AA	CC	1940154875
SNP_P1_30635_31106931	NC_021161.1	Ca_kabuli_chr02	31106931	AA	GG	1940154876
SNP_P1_30636_31106956	NC_021161.1	Ca_kabuli_chr02	31106956	AA	GG	1940154877
SNP_P1_30637_31106958	NC_021161.1	Ca_kabuli_chr02	31106958	CC	GG	1940154878
SNP_P1_30638_31106971	NC_021161.1	Ca_kabuli_chr02	31106971	AA	GG	1940154879
SNP_P1_30639_31106988	NC_021161.1	Ca_kabuli_chr02	31106988	AA	GG	1940154880
SNP_P1_30640_31107037	NC_021161.1	Ca_kabuli_chr02	31107037	TT	CC	1940154881
SNP_P1_30641_31107589	NC_021161.1	Ca_kabuli_chr02	31107589	CC	TT	1940154882
SNP_P1_30642_31107698	NC_021161.1	Ca_kabuli_chr02	31107698	GG	AA	1940154883
SNP_P1_30643_31107732	NC_021161.1	Ca_kabuli_chr02	31107732	AA	GG	1940154884
SNP_P1_30644_31107741	NC_021161.1	Ca_kabuli_chr02	31107741	AA	GG	1940154885
SNP_P1_30645_31107783	NC_021161.1	Ca_kabuli_chr02	31107783	AA	TT	1940154886
SNP_P1_30646_31107791	NC_021161.1	Ca_kabuli_chr02	31107791	AA	TT	1940154887
SNP_P1_30647_31107819	NC_021161.1	Ca_kabuli_chr02	31107819	TT	AA	1940154888
SNP_P1_30648_31107910	NC_021161.1	Ca_kabuli_chr02	31107910	CC	TT	1940154889
SNP_P1_30649_31107918	NC_021161.1	Ca_kabuli_chr02	31107918	TT	CC	1940154890

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30651_31107960	NC_021161.1	Ca_kabuli_chr02	31107960	AA	TT	1940154893
SNP_P1_30652_31107995	NC_021161.1	Ca_kabuli_chr02	31107995	CC	TT	1940154894
SNP_P1_30653_31108090	NC_021161.1	Ca_kabuli_chr02	31108090	TT	CC	1940154895
SNP_P1_30655_31108153	NC_021161.1	Ca_kabuli_chr02	31108153	GG	AA	1940154896
SNP_P1_30656_31108184	NC_021161.1	Ca_kabuli_chr02	31108184	AA	CC	1940154897
SNP_P1_30657_31108195	NC_021161.1	Ca_kabuli_chr02	31108195	CC	AA	1940154898
SNP_P1_30658_31108509	NC_021161.1	Ca_kabuli_chr02	31108509	CC	AA	1940154899
SNP_P1_30659_31108527	NC_021161.1	Ca_kabuli_chr02	31108527	TT	AA	1940154900
SNP_P1_30660_31108537	NC_021161.1	Ca_kabuli_chr02	31108537	CC	GG	1940154901
SNP_P1_30661_31108578	NC_021161.1	Ca_kabuli_chr02	31108578	GG	AA	1940154902
SNP_P1_30663_31108700	NC_021161.1	Ca_kabuli_chr02	31108700	GG	AA	1940154903
SNP_P1_30664_31108836	NC_021161.1	Ca_kabuli_chr02	31108836	AA	TT	1940154904
SNP_P1_30665_31109072	NC_021161.1	Ca_kabuli_chr02	31109072	TT	CC	1940154905
SNP_P1_30666_31109098	NC_021161.1	Ca_kabuli_chr02	31109098	TT	AA	1940154906
SNP_P1_30667_31109176	NC_021161.1	Ca_kabuli_chr02	31109176	CC	TT	1940154907
SNP_P1_30668_31109358	NC_021161.1	Ca_kabuli_chr02	31109358	TT	CC	1940154908
SNP_P1_30669_31109435	NC_021161.1	Ca_kabuli_chr02	31109435	GG	AA	1940154909
SNP_P1_30670_31109436	NC_021161.1	Ca_kabuli_chr02	31109436	GG	TT	1940154910
SNP_P1_30671_31109481	NC_021161.1	Ca_kabuli_chr02	31109481	GG	AA	1940154911
SNP_P1_30672_31109502	NC_021161.1	Ca_kabuli_chr02	31109502	CC	TT	1940154912
SNP_P1_30674_31109558	NC_021161.1	Ca_kabuli_chr02	31109558	AA	TT	1940154913
SNP_P1_30675_31109615	NC_021161.1	Ca_kabuli_chr02	31109615	CC	AA	1940154914
SNP_P1_30676_31109760	NC_021161.1	Ca_kabuli_chr02	31109760	TT	GG	1940154915
SNP_P1_30677_31109822	NC_021161.1	Ca_kabuli_chr02	31109822	GG	AA	1940154916
SNP_P1_30678_31109851	NC_021161.1	Ca_kabuli_chr02	31109851	GG	TT	1940154917
SNP_P1_30679_31109874	NC_021161.1	Ca_kabuli_chr02	31109874	TT	CC	1940154918
SNP_P1_30680_31109876	NC_021161.1	Ca_kabuli_chr02	31109876	GG	AA	1940154919
SNP_P1_30681_31109889	NC_021161.1	Ca_kabuli_chr02	31109889	CC	TT	1940154920
SNP_P1_30682_31109913	NC_021161.1	Ca_kabuli_chr02	31109913	TT	AA	1940154921
SNP_P1_30683_31110060	NC_021161.1	Ca_kabuli_chr02	31110060	GG	TT	1940154922
SNP_P1_30685_31110494	NC_021161.1	Ca_kabuli_chr02	31110494	TT	CC	1940154923
SNP_P1_30686_31110511	NC_021161.1	Ca_kabuli_chr02	31110511	CC	TT	1940154924
SNP_P1_30687_31110569	NC_021161.1	Ca_kabuli_chr02	31110569	GG	AA	1940154925
SNP_P1_30688_31110661	NC_021161.1	Ca_kabuli_chr02	31110661	AA	TT	1940154926
SNP_P1_30689_31110687	NC_021161.1	Ca_kabuli_chr02	31110687	TT	CC	1940154927
SNP_P1_30690_31111046	NC_021161.1	Ca_kabuli_chr02	31111046	TT	GG	1940154928
SNP_P1_30691_31111150	NC_021161.1	Ca_kabuli_chr02	31111150	CC	GG	1940154929
SNP_P1_30692_31111157	NC_021161.1	Ca_kabuli_chr02	31111157	CC	GG	1940154930
SNP_P1_30693_31111243	NC_021161.1	Ca_kabuli_chr02	31111243	TT	AA	1940154931
SNP_P1_30694_31111633	NC_021161.1	Ca_kabuli_chr02	31111633	CC	TT	1940154932
SNP_P1_30695_31111655	NC_021161.1	Ca_kabuli_chr02	31111655	TT	GG	1940154933

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30697_31111857	NC_021161.1	Ca_kabuli_chr02	31111857	CC	TT	1940154935
SNP_P1_30698_31112097	NC_021161.1	Ca_kabuli_chr02	31112097	GG	TT	1940154936
SNP_P1_30699_31112155	NC_021161.1	Ca_kabuli_chr02	31112155	CC	TT	1940154937
SNP_P1_30700_31112189	NC_021161.1	Ca_kabuli_chr02	31112189	GG	AA	1940154938
SNP_P1_30701_31112261	NC_021161.1	Ca_kabuli_chr02	31112261	AA	GG	1940154939
SNP_P1_30702_31113072	NC_021161.1	Ca_kabuli_chr02	31113072	AA	GG	1940154940
SNP_P1_30703_31113082	NC_021161.1	Ca_kabuli_chr02	31113082	GG	AA	1940154941
SNP_P1_30704_31113166	NC_021161.1	Ca_kabuli_chr02	31113166	CC	TT	1940154942
SNP_P1_30705_31113317	NC_021161.1	Ca_kabuli_chr02	31113317	GG	AA	1940154943
SNP_P1_30706_31113505	NC_021161.1	Ca_kabuli_chr02	31113505	GG	AA	1940154945
SNP_P1_30708_31115618	NC_021161.1	Ca_kabuli_chr02	31115618	CC	TT	1940154946
SNP_P1_30709_31115654	NC_021161.1	Ca_kabuli_chr02	31115654	TT	CC	1940154947
SNP_P1_30710_31115833	NC_021161.1	Ca_kabuli_chr02	31115833	TT	GG	1940154948
SNP_P1_30712_31116091	NC_021161.1	Ca_kabuli_chr02	31116091	TT	CC	1940154949
SNP_P1_30713_31116140	NC_021161.1	Ca_kabuli_chr02	31116140	TT	CC	1940154950
SNP_P1_30714_31116143	NC_021161.1	Ca_kabuli_chr02	31116143	CC	AA	1940154951
SNP_P1_30715_31116361	NC_021161.1	Ca_kabuli_chr02	31116361	AA	GG	1940154952
SNP_P1_30716_31116442	NC_021161.1	Ca_kabuli_chr02	31116442	CC	TT	1940154953
SNP_P1_30717_31116758	NC_021161.1	Ca_kabuli_chr02	31116758	GG	AA	1940154954
SNP_P1_30719_31116979	NC_021161.1	Ca_kabuli_chr02	31116979	AA	TT	1940154955
SNP_P1_30720_31117002	NC_021161.1	Ca_kabuli_chr02	31117002	CC	TT	1940154956
SNP_P1_30721_31117210	NC_021161.1	Ca_kabuli_chr02	31117210	AA	GG	1940154957
SNP_P1_30722_31117243	NC_021161.1	Ca_kabuli_chr02	31117243	GG	TT	1940154958
SNP_P1_30724_31118895	NC_021161.1	Ca_kabuli_chr02	31118895	CC	TT	1940154959
SNP_P1_30725_31119144	NC_021161.1	Ca_kabuli_chr02	31119144	AA	GG	1940154960
SNP_P1_30726_31119214	NC_021161.1	Ca_kabuli_chr02	31119214	TT	CC	1940154961
SNP_P1_30727_31119261	NC_021161.1	Ca_kabuli_chr02	31119261	CC	TT	1940154962
SNP_P1_30728_31119268	NC_021161.1	Ca_kabuli_chr02	31119268	AA	CC	1940154963
SNP_P1_30729_31119489	NC_021161.1	Ca_kabuli_chr02	31119489	GG	AA	1940154964
SNP_P1_30730_31120477	NC_021161.1	Ca_kabuli_chr02	31120477	GG	TT	1940154965
SNP_P1_30731_31120478	NC_021161.1	Ca_kabuli_chr02	31120478	GG	TT	1940154966
SNP_P1_30732_31120706	NC_021161.1	Ca_kabuli_chr02	31120706	AA	GG	1940154967
SNP_P1_30734_31122411	NC_021161.1	Ca_kabuli_chr02	31122411	AA	CC	1940154968
SNP_P1_30735_31122424	NC_021161.1	Ca_kabuli_chr02	31122424	TT	AA	1940154969
SNP_P1_30737_31122637	NC_021161.1	Ca_kabuli_chr02	31122637	CC	GG	1940154970
SNP_P1_30738_31122919	NC_021161.1	Ca_kabuli_chr02	31122919	CC	GG	1940154972
SNP_P1_30739_31122966	NC_021161.1	Ca_kabuli_chr02	31122966	TT	AA	1940154973
SNP_P1_30740_31123088	NC_021161.1	Ca_kabuli_chr02	31123088	AA	GG	1940154974
SNP_P1_30741_31123102	NC_021161.1	Ca_kabuli_chr02	31123102	TT	CC	1940154975
SNP_P1_30742_31123237	NC_021161.1	Ca_kabuli_chr02	31123237	CC	TT	1940154976
SNP_P1_30743_31123240	NC_021161.1	Ca_kabuli_chr02	31123240	CC	GG	1940154977

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30745_31123249	NC_021161.1	Ca_kabuli_chr02	31123249	CC	TT	1940154979
SNP_P1_30746_31123830	NC_021161.1	Ca_kabuli_chr02	31123830	GG	TT	1940154980
SNP_P1_30747_31123911	NC_021161.1	Ca_kabuli_chr02	31123911	AA	CC	1940154981
SNP_P1_30748_31124568	NC_021161.1	Ca_kabuli_chr02	31124568	GG	AA	1940154982
SNP_P1_30750_31125157	NC_021161.1	Ca_kabuli_chr02	31125157	AA	TT	1940154983
SNP_P1_30751_31125182	NC_021161.1	Ca_kabuli_chr02	31125182	CC	AA	1940154984
SNP_P1_30752_31125355	NC_021161.1	Ca_kabuli_chr02	31125355	AA	TT	1940154985
SNP_P1_30753_31125507	NC_021161.1	Ca_kabuli_chr02	31125507	CC	GG	1940154986
SNP_P1_30754_31125826	NC_021161.1	Ca_kabuli_chr02	31125826	CC	AA	1940154987
SNP_P1_30755_31125887	NC_021161.1	Ca_kabuli_chr02	31125887	TT	AA	1940154988
SNP_P1_30756_31126258	NC_021161.1	Ca_kabuli_chr02	31126258	TT	CC	1940154989
SNP_P1_30757_31126261	NC_021161.1	Ca_kabuli_chr02	31126261	TT	CC	1940154990
SNP_P1_30758_31126495	NC_021161.1	Ca_kabuli_chr02	31126495	AA	GG	1940154991
SNP_P1_30759_31127463	NC_021161.1	Ca_kabuli_chr02	31127463	CC	AA	1940154992
SNP_P1_30760_31127819	NC_021161.1	Ca_kabuli_chr02	31127819	CC	AA	1940154993
SNP_P1_30761_31128081	NC_021161.1	Ca_kabuli_chr02	31128081	GG	AA	1940154994
SNP_P1_30762_31128160	NC_021161.1	Ca_kabuli_chr02	31128160	AA	GG	1940154995
SNP_P1_30763_31128165	NC_021161.1	Ca_kabuli_chr02	31128165	AA	GG	1940154996
SNP_P1_30764_31128608	NC_021161.1	Ca_kabuli_chr02	31128608	TT	CC	1940154997
SNP_P1_30765_31129364	NC_021161.1	Ca_kabuli_chr02	31129364	TT	CC	1940154998
SNP_P1_30766_31130314	NC_021161.1	Ca_kabuli_chr02	31130314	TT	CC	1940154999
SNP_P1_30767_31130317	NC_021161.1	Ca_kabuli_chr02	31130317	GG	TT	1940155000
SNP_P1_30769_31130712	NC_021161.1	Ca_kabuli_chr02	31130712	TT	AA	1940155001
SNP_P1_30770_31131042	NC_021161.1	Ca_kabuli_chr02	31131042	GG	AA	1940155002
SNP_P1_30771_31131043	NC_021161.1	Ca_kabuli_chr02	31131043	TT	CC	1940155003
SNP_P1_30772_31131074	NC_021161.1	Ca_kabuli_chr02	31131074	TT	GG	1940155005
SNP_P1_30773_31131079	NC_021161.1	Ca_kabuli_chr02	31131079	GG	AA	1940155006
SNP_P1_30774_31131084	NC_021161.1	Ca_kabuli_chr02	31131084	TT	CC	1940155007
SNP_P1_30775_31131087	NC_021161.1	Ca_kabuli_chr02	31131087	TT	AA	1940155008
SNP_P1_30777_31132934	NC_021161.1	Ca_kabuli_chr02	31132934	TT	CC	1940155009
SNP_P1_30778_31132977	NC_021161.1	Ca_kabuli_chr02	31132977	TT	AA	1940155010
SNP_P1_30779_31132978	NC_021161.1	Ca_kabuli_chr02	31132978	CC	TT	1940155011
SNP_P1_30780_31133016	NC_021161.1	Ca_kabuli_chr02	31133016	AA	GG	1940155012
SNP_P1_30782_31133074	NC_021161.1	Ca_kabuli_chr02	31133074	GG	AA	1940155013
SNP_P1_30784_31137564	NC_021161.1	Ca_kabuli_chr02	31137564	CC	AA	1940155014
SNP_P1_30785_31137573	NC_021161.1	Ca_kabuli_chr02	31137573	AA	GG	1940155015
SNP_P1_30786_31137611	NC_021161.1	Ca_kabuli_chr02	31137611	GG	TT	1940155016
SNP_P1_30787_31137897	NC_021161.1	Ca_kabuli_chr02	31137897	CC	TT	1940155017
SNP_P1_30788_31137943	NC_021161.1	Ca_kabuli_chr02	31137943	AA	GG	1940155018
SNP_P1_30789_31138034	NC_021161.1	Ca_kabuli_chr02	31138034	GG	AA	1940155019
SNP_P1_30790_31138097	NC_021161.1	Ca_kabuli_chr02	31138097	CC	TT	1940155020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30792_31138268	NC_021161.1	Ca_kabuli_chr02	31138268	TT	CC	1940155022
SNP_P1_30793_31138309	NC_021161.1	Ca_kabuli_chr02	31138309	TT	AA	1940155023
SNP_P1_30795_31138448	NC_021161.1	Ca_kabuli_chr02	31138448	AA	CC	1940155024
SNP_P1_30796_31139114	NC_021161.1	Ca_kabuli_chr02	31139114	AA	GG	1940155025
SNP_P1_30797_31139160	NC_021161.1	Ca_kabuli_chr02	31139160	CC	GG	1940155026
SNP_P1_30798_31139207	NC_021161.1	Ca_kabuli_chr02	31139207	CC	TT	1940155027
SNP_P1_30799_31139251	NC_021161.1	Ca_kabuli_chr02	31139251	TT	GG	1940155028
SNP_P1_30800_31139931	NC_021161.1	Ca_kabuli_chr02	31139931	AA	TT	1940155029
SNP_P1_30801_31139951	NC_021161.1	Ca_kabuli_chr02	31139951	GG	CC	1940155030
SNP_P1_30802_31140574	NC_021161.1	Ca_kabuli_chr02	31140574	GG	AA	1940155031
SNP_P1_30803_31140582	NC_021161.1	Ca_kabuli_chr02	31140582	AA	GG	1940155032
SNP_P1_30804_31141003	NC_021161.1	Ca_kabuli_chr02	31141003	CC	TT	1940155033
SNP_P1_30805_31141009	NC_021161.1	Ca_kabuli_chr02	31141009	AA	GG	1940155034
SNP_P1_30806_31141049	NC_021161.1	Ca_kabuli_chr02	31141049	TT	CC	1940155035
SNP_P1_30807_31141611	NC_021161.1	Ca_kabuli_chr02	31141611	CC	TT	1940155036
SNP_P1_30808_31141625	NC_021161.1	Ca_kabuli_chr02	31141625	CC	TT	1940155037
SNP_P1_30809_31141679	NC_021161.1	Ca_kabuli_chr02	31141679	AA	GG	1940155038
SNP_P1_30810_31141711	NC_021161.1	Ca_kabuli_chr02	31141711	TT	CC	1940155040
SNP_P1_30812_31141933	NC_021161.1	Ca_kabuli_chr02	31141933	AA	TT	1940155041
SNP_P1_30813_31141949	NC_021161.1	Ca_kabuli_chr02	31141949	TT	CC	1940155042
SNP_P1_30814_31142011	NC_021161.1	Ca_kabuli_chr02	31142011	TT	CC	1940155043
SNP_P1_30815_31142012	NC_021161.1	Ca_kabuli_chr02	31142012	AA	CC	1940155044
SNP_P1_30816_31143467	NC_021161.1	Ca_kabuli_chr02	31143467	GG	AA	1940155045
SNP_P1_30817_31145369	NC_021161.1	Ca_kabuli_chr02	31145369	GG	TT	1940155046
SNP_P1_30818_31145370	NC_021161.1	Ca_kabuli_chr02	31145370	AA	TT	1940155047
SNP_P1_30819_31145392	NC_021161.1	Ca_kabuli_chr02	31145392	GG	AA	1940155048
SNP_P1_30821_31146169	NC_021161.1	Ca_kabuli_chr02	31146169	TT	CC	1940155049
SNP_P1_30822_31146188	NC_021161.1	Ca_kabuli_chr02	31146188	AA	GG	1940155050
SNP_P1_30824_31146463	NC_021161.1	Ca_kabuli_chr02	31146463	GG	TT	1940155051
SNP_P1_30826_31146601	NC_021161.1	Ca_kabuli_chr02	31146601	CC	TT	1940155052
SNP_P1_30829_31146797	NC_021161.1	Ca_kabuli_chr02	31146797	GG	TT	1940155053
SNP_P1_30830_31146809	NC_021161.1	Ca_kabuli_chr02	31146809	GG	TT	1940155054
SNP_P1_30831_31146820	NC_021161.1	Ca_kabuli_chr02	31146820	GG	AA	1940155055
SNP_P1_30832_31147784	NC_021161.1	Ca_kabuli_chr02	31147784	AA	TT	1940155056
SNP_P1_30833_31147789	NC_021161.1	Ca_kabuli_chr02	31147789	AA	GG	1940155057
SNP_P1_30834_31149760	NC_021161.1	Ca_kabuli_chr02	31149760	GG	TT	1940155058
SNP_P1_30835_31150818	NC_021161.1	Ca_kabuli_chr02	31150818	CC	TT	1940155059
SNP_P1_30836_31151102	NC_021161.1	Ca_kabuli_chr02	31151102	TT	CC	1940155060
SNP_P1_30838_31152745	NC_021161.1	Ca_kabuli_chr02	31152745	GG	AA	1940155061
SNP_P1_30843_31158705	NC_021161.1	Ca_kabuli_chr02	31158705	TT	AA	1940155062
SNP_P1_30844_31158951	NC_021161.1	Ca_kabuli_chr02	31158951	TT	CC	1940155064

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30846_31159308	NC_021161.1	Ca_kabuli_chr02	31159308	GG	CC	1940155066
SNP_P1_30847_31159586	NC_021161.1	Ca_kabuli_chr02	31159586	GG	CC	1940155067
SNP_P1_30848_31159593	NC_021161.1	Ca_kabuli_chr02	31159593	TT	AA	1940155068
SNP_P1_30849_31159660	NC_021161.1	Ca_kabuli_chr02	31159660	GG	TT	1940155069
SNP_P1_30851_31160454	NC_021161.1	Ca_kabuli_chr02	31160454	AA	GG	1940155070
SNP_P1_30852_31160458	NC_021161.1	Ca_kabuli_chr02	31160458	AA	GG	1940155071
SNP_P1_30853_31160464	NC_021161.1	Ca_kabuli_chr02	31160464	CC	TT	1940155072
SNP_P1_30855_31162508	NC_021161.1	Ca_kabuli_chr02	31162508	GG	AA	1940155073
SNP_P1_30856_31163034	NC_021161.1	Ca_kabuli_chr02	31163034	TT	CC	1940155074
SNP_P1_30857_31163367	NC_021161.1	Ca_kabuli_chr02	31163367	GG	TT	1940155075
SNP_P1_30858_31163967	NC_021161.1	Ca_kabuli_chr02	31163967	AA	GG	1940155076
SNP_P1_30859_31164162	NC_021161.1	Ca_kabuli_chr02	31164162	AA	GG	1940155077
SNP_P1_30860_31164181	NC_021161.1	Ca_kabuli_chr02	31164181	TT	CC	1940155078
SNP_P1_30862_31164829	NC_021161.1	Ca_kabuli_chr02	31164829	TT	CC	1940155079
SNP_P1_30863_31165032	NC_021161.1	Ca_kabuli_chr02	31165032	AA	TT	1940155080
SNP_P1_30866_31165516	NC_021161.1	Ca_kabuli_chr02	31165516	CC	AA	1940155081
SNP_P1_30867_31165521	NC_021161.1	Ca_kabuli_chr02	31165521	TT	AA	1940155082
SNP_P1_30868_31166677	NC_021161.1	Ca_kabuli_chr02	31166677	CC	TT	1940155083
SNP_P1_30869_31168182	NC_021161.1	Ca_kabuli_chr02	31168182	GG	TT	1940155084
SNP_P1_30871_31169239	NC_021161.1	Ca_kabuli_chr02	31169239	AA	TT	1940155085
SNP_P1_30872_31169240	NC_021161.1	Ca_kabuli_chr02	31169240	CC	TT	1940155086
SNP_P1_30874_31169721	NC_021161.1	Ca_kabuli_chr02	31169721	CC	TT	1940155087
SNP_P1_30875_31170042	NC_021161.1	Ca_kabuli_chr02	31170042	AA	CC	1940155088
SNP_P1_30876_31170217	NC_021161.1	Ca_kabuli_chr02	31170217	TT	GG	1940155089
SNP_P1_30879_31170850	NC_021161.1	Ca_kabuli_chr02	31170850	TT	CC	1940155090
SNP_P1_30880_31170855	NC_021161.1	Ca_kabuli_chr02	31170855	TT	CC	1940155091
SNP_P1_30881_31170859	NC_021161.1	Ca_kabuli_chr02	31170859	AA	GG	1940155092
SNP_P1_30882_31170861	NC_021161.1	Ca_kabuli_chr02	31170861	AA	TT	1940155093
SNP_P1_30883_31170866	NC_021161.1	Ca_kabuli_chr02	31170866	TT	CC	1940155094
SNP_P1_30884_31170867	NC_021161.1	Ca_kabuli_chr02	31170867	CC	TT	1940155095
SNP_P1_30885_31170877	NC_021161.1	Ca_kabuli_chr02	31170877	AA	TT	1940155096
SNP_P1_30886_31170888	NC_021161.1	Ca_kabuli_chr02	31170888	AA	GG	1940155097
SNP_P1_30888_31171222	NC_021161.1	Ca_kabuli_chr02	31171222	TT	AA	1940155098
SNP_P1_30889_31171224	NC_021161.1	Ca_kabuli_chr02	31171224	AA	CC	1940155099
SNP_P1_30890_31171525	NC_021161.1	Ca_kabuli_chr02	31171525	CC	TT	1940155100
SNP_P1_30891_31171551	NC_021161.1	Ca_kabuli_chr02	31171551	AA	GG	1940155101
SNP_P1_30892_31171600	NC_021161.1	Ca_kabuli_chr02	31171600	GG	AA	1940155102
SNP_P1_30893_31171601	NC_021161.1	Ca_kabuli_chr02	31171601	CC	TT	1940155103
SNP_P1_30894_31171605	NC_021161.1	Ca_kabuli_chr02	31171605	GG	TT	1940155104
SNP_P1_30896_31172641	NC_021161.1	Ca_kabuli_chr02	31172641	TT	CC	1940155106
SNP_P1_30898_31172741	NC_021161.1	Ca_kabuli_chr02	31172741	AA	TT	1940155107

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30900_31172854	NC_021161.1	Ca_kabuli_chr02	31172854	CC	TT	1940155109
SNP_P1_30901_31172877	NC_021161.1	Ca_kabuli_chr02	31172877	AA	GG	1940155110
SNP_P1_30903_31172966	NC_021161.1	Ca_kabuli_chr02	31172966	AA	GG	1940155111
SNP_P1_30904_31173705	NC_021161.1	Ca_kabuli_chr02	31173705	CC	GG	1940155112
SNP_P1_30905_31175545	NC_021161.1	Ca_kabuli_chr02	31175545	GG	AA	1940155113
SNP_P1_30906_31176248	NC_021161.1	Ca_kabuli_chr02	31176248	AA	GG	1940155114
SNP_P1_30907_31176405	NC_021161.1	Ca_kabuli_chr02	31176405	TT	AA	1940155115
SNP_P1_30908_31176619	NC_021161.1	Ca_kabuli_chr02	31176619	CC	GG	1940155116
SNP_P1_30909_31176639	NC_021161.1	Ca_kabuli_chr02	31176639	CC	TT	1940155117
SNP_P1_30910_31176739	NC_021161.1	Ca_kabuli_chr02	31176739	TT	CC	1940155118
SNP_P1_30912_31176940	NC_021161.1	Ca_kabuli_chr02	31176940	AA	CC	1940155119
SNP_P1_30913_31176944	NC_021161.1	Ca_kabuli_chr02	31176944	TT	CC	1940155120
SNP_P1_30914_31176978	NC_021161.1	Ca_kabuli_chr02	31176978	AA	TT	1940155121
SNP_P1_30915_31177049	NC_021161.1	Ca_kabuli_chr02	31177049	TT	AA	1940155122
SNP_P1_30916_31177062	NC_021161.1	Ca_kabuli_chr02	31177062	TT	AA	1940155123
SNP_P1_30917_31177095	NC_021161.1	Ca_kabuli_chr02	31177095	AA	GG	1940155124
SNP_P1_30919_31177125	NC_021161.1	Ca_kabuli_chr02	31177125	AA	GG	1940155125
SNP_P1_30920_31177676	NC_021161.1	Ca_kabuli_chr02	31177676	CC	TT	1940155126
SNP_P1_30921_31177719	NC_021161.1	Ca_kabuli_chr02	31177719	TT	AA	1940155127
SNP_P1_30922_31177766	NC_021161.1	Ca_kabuli_chr02	31177766	CC	TT	1940155128
SNP_P1_30923_31177772	NC_021161.1	Ca_kabuli_chr02	31177772	GG	AA	1940155129
SNP_P1_30924_31177913	NC_021161.1	Ca_kabuli_chr02	31177913	AA	GG	1940155130
SNP_P1_30925_31177920	NC_021161.1	Ca_kabuli_chr02	31177920	GG	AA	1940155131
SNP_P1_30927_31178226	NC_021161.1	Ca_kabuli_chr02	31178226	TT	CC	1940155132
SNP_P1_30928_31178363	NC_021161.1	Ca_kabuli_chr02	31178363	CC	TT	1940155133
SNP_P1_30930_31178405	NC_021161.1	Ca_kabuli_chr02	31178405	AA	GG	1940155134
SNP_P1_30931_31178732	NC_021161.1	Ca_kabuli_chr02	31178732	AA	CC	1940155135
SNP_P1_30932_31178769	NC_021161.1	Ca_kabuli_chr02	31178769	GG	AA	1940155136
SNP_P1_30934_31178888	NC_021161.1	Ca_kabuli_chr02	31178888	GG	TT	1940155137
SNP_P1_30935_31178889	NC_021161.1	Ca_kabuli_chr02	31178889	TT	CC	1940155138
SNP_P1_30936_31178923	NC_021161.1	Ca_kabuli_chr02	31178923	TT	CC	1940155139
SNP_P1_30937_31178967	NC_021161.1	Ca_kabuli_chr02	31178967	CC	TT	1940155141
SNP_P1_30938_31178972	NC_021161.1	Ca_kabuli_chr02	31178972	CC	AA	1940155142
SNP_P1_30939_31179000	NC_021161.1	Ca_kabuli_chr02	31179000	GG	AA	1940155143
SNP_P1_30941_31179092	NC_021161.1	Ca_kabuli_chr02	31179092	TT	GG	1940155144
SNP_P1_30942_31179201	NC_021161.1	Ca_kabuli_chr02	31179201	AA	TT	1940155145
SNP_P1_30943_31179293	NC_021161.1	Ca_kabuli_chr02	31179293	TT	CC	1940155146
SNP_P1_30945_31179991	NC_021161.1	Ca_kabuli_chr02	31179991	CC	TT	1940155147
SNP_P1_30946_31180025	NC_021161.1	Ca_kabuli_chr02	31180025	TT	CC	1940155148
SNP_P1_30948_31180259	NC_021161.1	Ca_kabuli_chr02	31180259	GG	CC	1940155149
SNP_P1_30949_31180338	NC_021161.1	Ca_kabuli_chr02	31180338	CC	TT	1940155150

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_30954_31180844	NC_021161.1	Ca_kabuli_chr02	31180844	GG	CC	1940155152
SNP_P1_30955_31187160	NC_021161.1	Ca_kabuli_chr02	31187160	GG	CC	1940155153
SNP_P1_30956_31187206	NC_021161.1	Ca_kabuli_chr02	31187206	GG	AA	1940155154
SNP_P1_30957_31187334	NC_021161.1	Ca_kabuli_chr02	31187334	CC	GG	1940155155
SNP_P1_30958_31187395	NC_021161.1	Ca_kabuli_chr02	31187395	AA	TT	1940155156
SNP_P1_30959_31187401	NC_021161.1	Ca_kabuli_chr02	31187401	TT	CC	1940155157
SNP_P1_30960_31187404	NC_021161.1	Ca_kabuli_chr02	31187404	GG	CC	1940155158
SNP_P1_30961_31187429	NC_021161.1	Ca_kabuli_chr02	31187429	GG	TT	1940155159
SNP_P1_30962_31187759	NC_021161.1	Ca_kabuli_chr02	31187759	CC	GG	1940155160
SNP_P1_30963_31187762	NC_021161.1	Ca_kabuli_chr02	31187762	AA	CC	1940155161
SNP_P1_30964_31187927	NC_021161.1	Ca_kabuli_chr02	31187927	AA	GG	1940155162
SNP_P1_30965_31188451	NC_021161.1	Ca_kabuli_chr02	31188451	AA	CC	1940155163
SNP_P1_30966_31188482	NC_021161.1	Ca_kabuli_chr02	31188482	TT	AA	1940155164
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SNP_P1_30968_31188512	NC_021161.1	Ca_kabuli_chr02	31188512	GG	AA	1940155166
SNP_P1_30969_31188514	NC_021161.1	Ca_kabuli_chr02	31188514	GG	AA	1940155167
SNP_P1_30970_31188515	NC_021161.1	Ca_kabuli_chr02	31188515	AA	TT	1940155168
SNP_P1_30971_31188863	NC_021161.1	Ca_kabuli_chr02	31188863	GG	AA	1940155169
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SNP_P1_30973_31188866	NC_021161.1	Ca_kabuli_chr02	31188866	CC	GG	1940155171
SNP_P1_30975_31188900	NC_021161.1	Ca_kabuli_chr02	31188900	AA	TT	1940155172
SNP_P1_30976_31188942	NC_021161.1	Ca_kabuli_chr02	31188942	TT	CC	1940155173
SNP_P1_30977_31188990	NC_021161.1	Ca_kabuli_chr02	31188990	AA	CC	1940155174
SNP_P1_30978_31188998	NC_021161.1	Ca_kabuli_chr02	31188998	GG	AA	1940155175
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SNP_P1_30983_31189514	NC_021161.1	Ca_kabuli_chr02	31189514	AA	GG	1940155177
SNP_P1_30984_31189826	NC_021161.1	Ca_kabuli_chr02	31189826	AA	CC	1940155178
SNP_P1_30985_31189837	NC_021161.1	Ca_kabuli_chr02	31189837	CC	GG	1940155179
SNP_P1_30986_31189839	NC_021161.1	Ca_kabuli_chr02	31189839	CC	TT	1940155180
SNP_P1_30987_31190529	NC_021161.1	Ca_kabuli_chr02	31190529	GG	AA	1940155181
SNP_P1_30988_31190538	NC_021161.1	Ca_kabuli_chr02	31190538	CC	TT	1940155183
SNP_P1_30989_31191024	NC_021161.1	Ca_kabuli_chr02	31191024	GG	AA	1940155184
SNP_P1_30991_31191415	NC_021161.1	Ca_kabuli_chr02	31191415	AA	CC	1940155185
SNP_P1_30992_31191419	NC_021161.1	Ca_kabuli_chr02	31191419	TT	GG	1940155186
SNP_P1_30993_31191744	NC_021161.1	Ca_kabuli_chr02	31191744	TT	CC	1940155187
SNP_P1_30995_31192067	NC_021161.1	Ca_kabuli_chr02	31192067	AA	GG	1940155188
SNP_P1_30996_31193111	NC_021161.1	Ca_kabuli_chr02	31193111	GG	CC	1940155189
SNP_P1_30997_31193185	NC_021161.1	Ca_kabuli_chr02	31193185	GG	AA	1940155190
SNP_P1_30998_31193307	NC_021161.1	Ca_kabuli_chr02	31193307	CC	TT	1940155191
SNP_P1_31000_31194019	NC_021161.1	Ca_kabuli_chr02	31194019	GG	CC	1940155192
SNP_P1_31001_31194026	NC_021161.1	Ca_kabuli_chr02	31194026	CC	TT	1940155193

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31004_31194082	NC_021161.1	Ca_kabuli_chr02	31194082	AA	TT	1940155196
SNP_P1_31006_31194338	NC_021161.1	Ca_kabuli_chr02	31194338	GG	CC	1940155197
SNP_P1_31008_31194385	NC_021161.1	Ca_kabuli_chr02	31194385	AA	GG	1940155198
SNP_P1_31009_31194409	NC_021161.1	Ca_kabuli_chr02	31194409	AA	GG	1940155199
SNP_P1_31010_31194952	NC_021161.1	Ca_kabuli_chr02	31194952	TT	CC	1940155200
SNP_P1_31011_31195034	NC_021161.1	Ca_kabuli_chr02	31195034	GG	AA	1940155201
SNP_P1_31012_31195082	NC_021161.1	Ca_kabuli_chr02	31195082	CC	TT	1940155202
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SNP_P1_31015_31196029	NC_021161.1	Ca_kabuli_chr02	31196029	AA	TT	1940155204
SNP_P1_31016_31196157	NC_021161.1	Ca_kabuli_chr02	31196157	CC	TT	1940155205
SNP_P1_31018_31196416	NC_021161.1	Ca_kabuli_chr02	31196416	TT	CC	1940155206
SNP_P1_31019_31196594	NC_021161.1	Ca_kabuli_chr02	31196594	TT	CC	1940155207
SNP_P1_31020_31196610	NC_021161.1	Ca_kabuli_chr02	31196610	AA	GG	1940155208
SNP_P1_31021_31196978	NC_021161.1	Ca_kabuli_chr02	31196978	AA	GG	1940155209
SNP_P1_31022_31197177	NC_021161.1	Ca_kabuli_chr02	31197177	AA	GG	1940155210
SNP_P1_31024_31197325	NC_021161.1	Ca_kabuli_chr02	31197325	AA	GG	1940155211
SNP_P1_31025_31197449	NC_021161.1	Ca_kabuli_chr02	31197449	GG	CC	1940155213
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SNP_P1_31027_31197857	NC_021161.1	Ca_kabuli_chr02	31197857	CC	TT	1940155215
SNP_P1_31029_31198116	NC_021161.1	Ca_kabuli_chr02	31198116	AA	GG	1940155216
SNP_P1_31030_31198154	NC_021161.1	Ca_kabuli_chr02	31198154	GG	CC	1940155217
SNP_P1_31031_31199713	NC_021161.1	Ca_kabuli_chr02	31199713	GG	AA	1940155218
SNP_P1_31032_31199714	NC_021161.1	Ca_kabuli_chr02	31199714	TT	GG	1940155219
SNP_P1_31033_31200497	NC_021161.1	Ca_kabuli_chr02	31200497	CC	TT	1940155220
SNP_P1_31034_31200957	NC_021161.1	Ca_kabuli_chr02	31200957	TT	CC	1940155221
SNP_P1_31035_31201282	NC_021161.1	Ca_kabuli_chr02	31201282	GG	AA	1940155222
SNP_P1_31036_31203831	NC_021161.1	Ca_kabuli_chr02	31203831	AA	GG	1940155223
SNP_P1_31038_31209227	NC_021161.1	Ca_kabuli_chr02	31209227	AA	GG	1940155224
SNP_P1_31039_31209241	NC_021161.1	Ca_kabuli_chr02	31209241	GG	AA	1940155225
SNP_P1_31040_31209250	NC_021161.1	Ca_kabuli_chr02	31209250	TT	CC	1940155226
SNP_P1_31041_31209312	NC_021161.1	Ca_kabuli_chr02	31209312	AA	CC	1940155227
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SNP_P1_31043_31209387	NC_021161.1	Ca_kabuli_chr02	31209387	TT	CC	1940155229
SNP_P1_31044_31209399	NC_021161.1	Ca_kabuli_chr02	31209399	GG	AA	1940155230
SNP_P1_31045_31209401	NC_021161.1	Ca_kabuli_chr02	31209401	GG	CC	1940155231
SNP_P1_31046_31209403	NC_021161.1	Ca_kabuli_chr02	31209403	GG	TT	1940155232
SNP_P1_31047_31209410	NC_021161.1	Ca_kabuli_chr02	31209410	TT	GG	1940155233
SNP_P1_31048_31209413	NC_021161.1	Ca_kabuli_chr02	31209413	TT	GG	1940155234
SNP_P1_31049_31209433	NC_021161.1	Ca_kabuli_chr02	31209433	AA	GG	1940155235
SNP_P1_31050_31209894	NC_021161.1	Ca_kabuli_chr02	31209894	GG	TT	1940155236

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31052_31211164	NC_021161.1	Ca_kabuli_chr02	31211164	TT	CC	1940155239
SNP_P1_31053_31211171	NC_021161.1	Ca_kabuli_chr02	31211171	TT	GG	1940155240
SNP_P1_31054_31211221	NC_021161.1	Ca_kabuli_chr02	31211221	GG	AA	1940155241
SNP_P1_31055_31211230	NC_021161.1	Ca_kabuli_chr02	31211230	GG	AA	1940155242
SNP_P1_31056_31211244	NC_021161.1	Ca_kabuli_chr02	31211244	TT	CC	1940155243
SNP_P1_31057_31211275	NC_021161.1	Ca_kabuli_chr02	31211275	CC	AA	1940155244
SNP_P1_31058_31211283	NC_021161.1	Ca_kabuli_chr02	31211283	GG	AA	1940155245
SNP_P1_31059_31211306	NC_021161.1	Ca_kabuli_chr02	31211306	GG	TT	1940155246
SNP_P1_31060_31211384	NC_021161.1	Ca_kabuli_chr02	31211384	CC	GG	1940155247
SNP_P1_31061_31211386	NC_021161.1	Ca_kabuli_chr02	31211386	AA	TT	1940155248
SNP_P1_31062_31211415	NC_021161.1	Ca_kabuli_chr02	31211415	AA	GG	1940155249
SNP_P1_31064_31211597	NC_021161.1	Ca_kabuli_chr02	31211597	GG	AA	1940155250
SNP_P1_31065_31211612	NC_021161.1	Ca_kabuli_chr02	31211612	GG	AA	1940155251
SNP_P1_31066_31211635	NC_021161.1	Ca_kabuli_chr02	31211635	GG	CC	1940155252
SNP_P1_31067_31211657	NC_021161.1	Ca_kabuli_chr02	31211657	GG	CC	1940155253
SNP_P1_31069_31211857	NC_021161.1	Ca_kabuli_chr02	31211857	GG	AA	1940155254
SNP_P1_31070_31211877	NC_021161.1	Ca_kabuli_chr02	31211877	TT	CC	1940155255
SNP_P1_31071_31212046	NC_021161.1	Ca_kabuli_chr02	31212046	CC	GG	1940155256
SNP_P1_31072_31212050	NC_021161.1	Ca_kabuli_chr02	31212050	TT	CC	1940155257
SNP_P1_31073_31212075	NC_021161.1	Ca_kabuli_chr02	31212075	CC	TT	1940155258
SNP_P1_31074_31212078	NC_021161.1	Ca_kabuli_chr02	31212078	AA	GG	1940155259
SNP_P1_31075_31212093	NC_021161.1	Ca_kabuli_chr02	31212093	GG	CC	1940155260
SNP_P1_31076_31212129	NC_021161.1	Ca_kabuli_chr02	31212129	AA	GG	1940155261
SNP_P1_31077_31214331	NC_021161.1	Ca_kabuli_chr02	31214331	TT	CC	1940155262
SNP_P1_31078_31215128	NC_021161.1	Ca_kabuli_chr02	31215128	TT	GG	1940155263
SNP_P1_31079_31215722	NC_021161.1	Ca_kabuli_chr02	31215722	CC	GG	1940155264
SNP_P1_31080_31216249	NC_021161.1	Ca_kabuli_chr02	31216249	GG	AA	1940155265
SNP_P1_31081_31216363	NC_021161.1	Ca_kabuli_chr02	31216363	CC	GG	1940155266
SNP_P1_31082_31216364	NC_021161.1	Ca_kabuli_chr02	31216364	TT	CC	1940155267
SNP_P1_31083_31216490	NC_021161.1	Ca_kabuli_chr02	31216490	AA	GG	1940155268
SNP_P1_31084_31216524	NC_021161.1	Ca_kabuli_chr02	31216524	CC	TT	1940155270
SNP_P1_31085_31216529	NC_021161.1	Ca_kabuli_chr02	31216529	CC	TT	1940155271
SNP_P1_31086_31216556	NC_021161.1	Ca_kabuli_chr02	31216556	AA	GG	1940155272
SNP_P1_31087_31216580	NC_021161.1	Ca_kabuli_chr02	31216580	CC	TT	1940155273
SNP_P1_31088_31216779	NC_021161.1	Ca_kabuli_chr02	31216779	GG	AA	1940155274
SNP_P1_31089_31216817	NC_021161.1	Ca_kabuli_chr02	31216817	GG	AA	1940155275
SNP_P1_31090_31216892	NC_021161.1	Ca_kabuli_chr02	31216892	AA	GG	1940155276
SNP_P1_31091_31216944	NC_021161.1	Ca_kabuli_chr02	31216944	TT	AA	1940155277
SNP_P1_31092_31218042	NC_021161.1	Ca_kabuli_chr02	31218042	TT	CC	1940155278
SNP_P1_31093_31225418	NC_021161.1	Ca_kabuli_chr02	31225418	AA	GG	1940155279
SNP_P1_31094_31225440	NC_021161.1	Ca_kabuli_chr02	31225440	AA	CC	1940155280

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31096_31225801	NC_021161.1	Ca_kabuli_chr02	31225801	TT	GG	1940155282
SNP_P1_31097_31226433	NC_021161.1	Ca_kabuli_chr02	31226433	AA	GG	1940155283
SNP_P1_31098_31226448	NC_021161.1	Ca_kabuli_chr02	31226448	TT	AA	1940155284
SNP_P1_31099_31226839	NC_021161.1	Ca_kabuli_chr02	31226839	AA	GG	1940155285
SNP_P1_31100_31227409	NC_021161.1	Ca_kabuli_chr02	31227409	TT	CC	1940155286
SNP_P1_31101_31227437	NC_021161.1	Ca_kabuli_chr02	31227437	CC	TT	1940155287
SNP_P1_31102_31227662	NC_021161.1	Ca_kabuli_chr02	31227662	TT	GG	1940155288
SNP_P1_31103_31227888	NC_021161.1	Ca_kabuli_chr02	31227888	TT	AA	1940155289
SNP_P1_31104_31228093	NC_021161.1	Ca_kabuli_chr02	31228093	CC	AA	1940155290
SNP_P1_31105_31228097	NC_021161.1	Ca_kabuli_chr02	31228097	AA	GG	1940155291
SNP_P1_31106_31228178	NC_021161.1	Ca_kabuli_chr02	31228178	TT	CC	1940155292
SNP_P1_31107_31228293	NC_021161.1	Ca_kabuli_chr02	31228293	CC	GG	1940155293
SNP_P1_31108_31228604	NC_021161.1	Ca_kabuli_chr02	31228604	TT	AA	1940155294
SNP_P1_31109_31228629	NC_021161.1	Ca_kabuli_chr02	31228629	AA	GG	1940155295
SNP_P1_31110_31228758	NC_021161.1	Ca_kabuli_chr02	31228758	AA	GG	1940155296
SNP_P1_31111_31228894	NC_021161.1	Ca_kabuli_chr02	31228894	AA	CC	1940155297
SNP_P1_31112_31229818	NC_021161.1	Ca_kabuli_chr02	31229818	TT	CC	1940155298
SNP_P1_31113_31229951	NC_021161.1	Ca_kabuli_chr02	31229951	CC	TT	1940155299
SNP_P1_31114_31230035	NC_021161.1	Ca_kabuli_chr02	31230035	CC	TT	1940155300
SNP_P1_31115_31230060	NC_021161.1	Ca_kabuli_chr02	31230060	TT	CC	1940155301
SNP_P1_31116_31230061	NC_021161.1	Ca_kabuli_chr02	31230061	AA	GG	1940155302
SNP_P1_31117_31232468	NC_021161.1	Ca_kabuli_chr02	31232468	AA	TT	1940155303
SNP_P1_31118_31232589	NC_021161.1	Ca_kabuli_chr02	31232589	GG	AA	1940155304
SNP_P1_31119_31232606	NC_021161.1	Ca_kabuli_chr02	31232606	CC	GG	1940155305
SNP_P1_31121_31232866	NC_021161.1	Ca_kabuli_chr02	31232866	CC	GG	1940155307
SNP_P1_31123_31233307	NC_021161.1	Ca_kabuli_chr02	31233307	AA	GG	1940155308
SNP_P1_31124_31233351	NC_021161.1	Ca_kabuli_chr02	31233351	CC	TT	1940155309
SNP_P1_31126_31233992	NC_021161.1	Ca_kabuli_chr02	31233992	CC	TT	1940155310
SNP_P1_31127_31234261	NC_021161.1	Ca_kabuli_chr02	31234261	CC	TT	1940155311
SNP_P1_31128_31234391	NC_021161.1	Ca_kabuli_chr02	31234391	CC	TT	1940155312
SNP_P1_31129_31234398	NC_021161.1	Ca_kabuli_chr02	31234398	TT	CC	1940155313
SNP_P1_31130_31234460	NC_021161.1	Ca_kabuli_chr02	31234460	TT	CC	1940155314
SNP_P1_31131_31234819	NC_021161.1	Ca_kabuli_chr02	31234819	TT	CC	1940155315
SNP_P1_31133_31235044	NC_021161.1	Ca_kabuli_chr02	31235044	TT	CC	1940155316
SNP_P1_31134_31235978	NC_021161.1	Ca_kabuli_chr02	31235978	GG	AA	1940155317
SNP_P1_31135_31235982	NC_021161.1	Ca_kabuli_chr02	31235982	CC	TT	1940155318
SNP_P1_31136_31235990	NC_021161.1	Ca_kabuli_chr02	31235990	AA	TT	1940155319
SNP_P1_31137_31235994	NC_021161.1	Ca_kabuli_chr02	31235994	TT	AA	1940155320
SNP_P1_31138_31235995	NC_021161.1	Ca_kabuli_chr02	31235995	GG	TT	1940155321
SNP_P1_31139_31238308	NC_021161.1	Ca_kabuli_chr02	31238308	TT	CC	1940155322
SNP_P1_31140_31238320	NC_021161.1	Ca_kabuli_chr02	31238320	GG	TT	1940155323

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31142_31238509	NC_021161.1	Ca_kabuli_chr02	31238509	TT	CC	1940155325
SNP_P1_31143_31238560	NC_021161.1	Ca_kabuli_chr02	31238560	TT	CC	1940155326
SNP_P1_31144_31238578	NC_021161.1	Ca_kabuli_chr02	31238578	TT	CC	1940155327
SNP_P1_31145_31238625	NC_021161.1	Ca_kabuli_chr02	31238625	AA	GG	1940155328
SNP_P1_31146_31238649	NC_021161.1	Ca_kabuli_chr02	31238649	GG	AA	1940155329
SNP_P1_31147_31238689	NC_021161.1	Ca_kabuli_chr02	31238689	AA	GG	1940155330
SNP_P1_31148_31238695	NC_021161.1	Ca_kabuli_chr02	31238695	CC	AA	1940155331
SNP_P1_31149_31238743	NC_021161.1	Ca_kabuli_chr02	31238743	AA	GG	1940155332
SNP_P1_31150_31238879	NC_021161.1	Ca_kabuli_chr02	31238879	CC	AA	1940155333
SNP_P1_31151_31238881	NC_021161.1	Ca_kabuli_chr02	31238881	TT	CC	1940155334
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SNP_P1_31158_31242790	NC_021161.1	Ca_kabuli_chr02	31242790	CC	TT	1940155341
SNP_P1_31159_31242791	NC_021161.1	Ca_kabuli_chr02	31242791	GG	AA	1940155342
SNP_P1_31160_31242797	NC_021161.1	Ca_kabuli_chr02	31242797	AA	GG	1940155343
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SNP_P1_31162_31244050	NC_021161.1	Ca_kabuli_chr02	31244050	GG	TT	1940155345
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SNP_P1_31176_31248312	NC_021161.1	Ca_kabuli_chr02	31248312	TT	CC	1940155356
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SNP_P1_31178_31250284	NC_021161.1	Ca_kabuli_chr02	31250284	AA	CC	1940155358
SNP_P1_31179_31250288	NC_021161.1	Ca_kabuli_chr02	31250288	GG	AA	1940155359
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SNP_P1_31183_31250426	NC_021161.1	Ca_kabuli_chr02	31250426	AA	GG	1940155363
SNP_P1_31184_31250436	NC_021161.1	Ca_kabuli_chr02	31250436	TT	CC	1940155364
SNP_P1_31185_31250469	NC_021161.1	Ca_kabuli_chr02	31250469	CC	TT	1940155365
SNP_P1_31186_31251269	NC_021161.1	Ca_kabuli_chr02	31251269	CC	TT	1940155366

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31190_31258101	NC_021161.1	Ca_kabuli_chr02	31258101	GG	AA	1940155370
SNP_P1_31191_31258919	NC_021161.1	Ca_kabuli_chr02	31258919	AA	GG	1940155371
SNP_P1_31192_31260834	NC_021161.1	Ca_kabuli_chr02	31260834	TT	CC	1940155372
SNP_P1_31193_31261133	NC_021161.1	Ca_kabuli_chr02	31261133	GG	AA	1940155373
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SNP_P1_31195_31261304	NC_021161.1	Ca_kabuli_chr02	31261304	TT	CC	1940155375
SNP_P1_31196_31261329	NC_021161.1	Ca_kabuli_chr02	31261329	AA	GG	1940155376
SNP_P1_31197_31261502	NC_021161.1	Ca_kabuli_chr02	31261502	CC	TT	1940155377
SNP_P1_31198_31261569	NC_021161.1	Ca_kabuli_chr02	31261569	AA	GG	1940155378
SNP_P1_31199_31263194	NC_021161.1	Ca_kabuli_chr02	31263194	CC	GG	1940155380
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SNP_P1_31201_31263613	NC_021161.1	Ca_kabuli_chr02	31263613	CC	TT	1940155382
SNP_P1_31202_31263619	NC_021161.1	Ca_kabuli_chr02	31263619	TT	AA	1940155383
SNP_P1_31203_31266163	NC_021161.1	Ca_kabuli_chr02	31266163	AA	CC	1940155384
SNP_P1_31204_31266493	NC_021161.1	Ca_kabuli_chr02	31266493	GG	TT	1940155385
SNP_P1_31205_31268265	NC_021161.1	Ca_kabuli_chr02	31268265	CC	TT	1940155386
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SNP_P1_31207_31270449	NC_021161.1	Ca_kabuli_chr02	31270449	AA	TT	1940155388
SNP_P1_31208_31270587	NC_021161.1	Ca_kabuli_chr02	31270587	AA	GG	1940155389
SNP_P1_31209_31270597	NC_021161.1	Ca_kabuli_chr02	31270597	GG	AA	1940155390
SNP_P1_31210_31270604	NC_021161.1	Ca_kabuli_chr02	31270604	AA	GG	1940155391
SNP_P1_31211_31270624	NC_021161.1	Ca_kabuli_chr02	31270624	CC	TT	1940155392
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SNP_P1_31213_31270709	NC_021161.1	Ca_kabuli_chr02	31270709	AA	GG	1940155394
SNP_P1_31214_31270710	NC_021161.1	Ca_kabuli_chr02	31270710	TT	AA	1940155395
SNP_P1_31215_31270728	NC_021161.1	Ca_kabuli_chr02	31270728	AA	GG	1940155396
SNP_P1_31216_31270733	NC_021161.1	Ca_kabuli_chr02	31270733	GG	AA	1940155397
SNP_P1_31217_31270747	NC_021161.1	Ca_kabuli_chr02	31270747	GG	AA	1940155398
SNP_P1_31218_31270775	NC_021161.1	Ca_kabuli_chr02	31270775	CC	TT	1940155399
SNP_P1_31219_31270925	NC_021161.1	Ca_kabuli_chr02	31270925	GG	AA	1940155400
SNP_P1_31220_31271116	NC_021161.1	Ca_kabuli_chr02	31271116	TT	AA	1940155401
SNP_P1_31221_31272240	NC_021161.1	Ca_kabuli_chr02	31272240	GG	CC	1940155402
SNP_P1_31222_31274204	NC_021161.1	Ca_kabuli_chr02	31274204	AA	GG	1940155403
SNP_P1_31223_31275098	NC_021161.1	Ca_kabuli_chr02	31275098	CC	AA	1940155404
SNP_P1_31224_31275107	NC_021161.1	Ca_kabuli_chr02	31275107	TT	CC	1940155405
SNP_P1_31225_31275543	NC_021161.1	Ca_kabuli_chr02	31275543	CC	AA	1940155406
SNP_P1_31227_31278335	NC_021161.1	Ca_kabuli_chr02	31278335	CC	AA	1940155407
SNP_P1_31228_31278374	NC_021161.1	Ca_kabuli_chr02	31278374	GG	AA	1940155408
SNP_P1_31229_31278381	NC_021161.1	Ca_kabuli_chr02	31278381	TT	CC	1940155409

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31231_31278553	NC_021161.1	Ca_kabuli_chr02	31278553	AA	GG	1940155411
SNP_P1_31232_31278748	NC_021161.1	Ca_kabuli_chr02	31278748	AA	GG	1940155412
SNP_P1_31233_31278754	NC_021161.1	Ca_kabuli_chr02	31278754	GG	TT	1940155414
SNP_P1_31234_31279399	NC_021161.1	Ca_kabuli_chr02	31279399	CC	TT	1940155415
SNP_P1_31236_31284104	NC_021161.1	Ca_kabuli_chr02	31284104	AA	GG	1940155416
SNP_P1_31237_31286290	NC_021161.1	Ca_kabuli_chr02	31286290	AA	GG	1940155417
SNP_P1_31239_31287247	NC_021161.1	Ca_kabuli_chr02	31287247	AA	CC	1940155418
SNP_P1_31240_31287314	NC_021161.1	Ca_kabuli_chr02	31287314	GG	AA	1940155419
SNP_P1_31241_31289705	NC_021161.1	Ca_kabuli_chr02	31289705	CC	TT	1940155420
SNP_P1_31242_31290032	NC_021161.1	Ca_kabuli_chr02	31290032	GG	CC	1940155421
SNP_P1_31243_31290828	NC_021161.1	Ca_kabuli_chr02	31290828	AA	TT	1940155422
SNP_P1_31244_31291541	NC_021161.1	Ca_kabuli_chr02	31291541	TT	AA	1940155423
SNP_P1_31245_31293727	NC_021161.1	Ca_kabuli_chr02	31293727	TT	AA	1940155424
SNP_P1_31246_31293746	NC_021161.1	Ca_kabuli_chr02	31293746	GG	AA	1940155425
SNP_P1_31247_31293809	NC_021161.1	Ca_kabuli_chr02	31293809	CC	GG	1940155426
SNP_P1_31248_31293856	NC_021161.1	Ca_kabuli_chr02	31293856	GG	TT	1940155427
SNP_P1_31249_31293891	NC_021161.1	Ca_kabuli_chr02	31293891	GG	TT	1940155428
SNP_P1_31251_31294128	NC_021161.1	Ca_kabuli_chr02	31294128	TT	AA	1940155429
SNP_P1_31253_31295058	NC_021161.1	Ca_kabuli_chr02	31295058	TT	CC	1940155430
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SNP_P1_31256_31297233	NC_021161.1	Ca_kabuli_chr02	31297233	TT	GG	1940155433
SNP_P1_31257_31297471	NC_021161.1	Ca_kabuli_chr02	31297471	AA	CC	1940155434
SNP_P1_31258_31297492	NC_021161.1	Ca_kabuli_chr02	31297492	CC	TT	1940155435
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SNP_P1_31261_31298335	NC_021161.1	Ca_kabuli_chr02	31298335	AA	TT	1940155438
SNP_P1_31262_31298372	NC_021161.1	Ca_kabuli_chr02	31298372	AA	GG	1940155439
SNP_P1_31264_31299282	NC_021161.1	Ca_kabuli_chr02	31299282	TT	CC	1940155440
SNP_P1_31265_31299578	NC_021161.1	Ca_kabuli_chr02	31299578	CC	TT	1940155441
SNP_P1_31267_31299723	NC_021161.1	Ca_kabuli_chr02	31299723	AA	GG	1940155443
SNP_P1_31268_31299976	NC_021161.1	Ca_kabuli_chr02	31299976	AA	GG	1940155444
SNP_P1_31272_31301167	NC_021161.1	Ca_kabuli_chr02	31301167	CC	TT	1940155445
SNP_P1_31273_31302443	NC_021161.1	Ca_kabuli_chr02	31302443	TT	CC	1940155446
SNP_P1_31274_31302818	NC_021161.1	Ca_kabuli_chr02	31302818	AA	GG	1940155447
SNP_P1_31276_31302988	NC_021161.1	Ca_kabuli_chr02	31302988	TT	AA	1940155448
SNP_P1_31277_31302991	NC_021161.1	Ca_kabuli_chr02	31302991	TT	GG	1940155449
SNP_P1_31278_31303395	NC_021161.1	Ca_kabuli_chr02	31303395	AA	CC	1940155450
SNP_P1_31279_31303411	NC_021161.1	Ca_kabuli_chr02	31303411	GG	CC	1940155451
SNP_P1_31280_31303433	NC_021161.1	Ca_kabuli_chr02	31303433	TT	AA	1940155452
SNP_P1_31281_31303607	NC_021161.1	Ca_kabuli_chr02	31303607	GG	AA	1940155453

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31284_31303681	NC_021161.1	Ca_kabuli_chr02	31303681	GG	AA	1940155456
SNP_P1_31285_31303684	NC_021161.1	Ca_kabuli_chr02	31303684	AA	CC	1940155457
SNP_P1_31286_31303688	NC_021161.1	Ca_kabuli_chr02	31303688	AA	TT	1940155458
SNP_P1_31287_31303768	NC_021161.1	Ca_kabuli_chr02	31303768	AA	GG	1940155459
SNP_P1_31288_31304324	NC_021161.1	Ca_kabuli_chr02	31304324	GG	AA	1940155460
SNP_P1_31289_31304326	NC_021161.1	Ca_kabuli_chr02	31304326	GG	TT	1940155461
SNP_P1_31290_31304693	NC_021161.1	Ca_kabuli_chr02	31304693	CC	TT	1940155462
SNP_P1_31291_31304857	NC_021161.1	Ca_kabuli_chr02	31304857	GG	TT	1940155463
SNP_P1_31292_31305297	NC_021161.1	Ca_kabuli_chr02	31305297	CC	TT	1940155464
SNP_P1_31293_31305652	NC_021161.1	Ca_kabuli_chr02	31305652	TT	CC	1940155465
SNP_P1_31294_31305653	NC_021161.1	Ca_kabuli_chr02	31305653	CC	TT	1940155466
SNP_P1_31295_31305677	NC_021161.1	Ca_kabuli_chr02	31305677	GG	AA	1940155467
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SNP_P1_31297_31307017	NC_021161.1	Ca_kabuli_chr02	31307017	TT	GG	1940155469
SNP_P1_31298_31307869	NC_021161.1	Ca_kabuli_chr02	31307869	AA	GG	1940155470
SNP_P1_31299_31307935	NC_021161.1	Ca_kabuli_chr02	31307935	GG	AA	1940155471
SNP_P1_31300_31308008	NC_021161.1	Ca_kabuli_chr02	31308008	TT	CC	1940155473
SNP_P1_31301_31308921	NC_021161.1	Ca_kabuli_chr02	31308921	AA	GG	1940155474
SNP_P1_31302_31312491	NC_021161.1	Ca_kabuli_chr02	31312491	TT	AA	1940155475
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SNP_P1_31305_31312682	NC_021161.1	Ca_kabuli_chr02	31312682	CC	TT	1940155477
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SNP_P1_31309_31313006	NC_021161.1	Ca_kabuli_chr02	31313006	AA	GG	1940155480
SNP_P1_31310_31313061	NC_021161.1	Ca_kabuli_chr02	31313061	GG	AA	1940155481
SNP_P1_31311_31313075	NC_021161.1	Ca_kabuli_chr02	31313075	GG	AA	1940155482
SNP_P1_31312_31313080	NC_021161.1	Ca_kabuli_chr02	31313080	GG	AA	1940155483
SNP_P1_31313_31313110	NC_021161.1	Ca_kabuli_chr02	31313110	AA	GG	1940155484
SNP_P1_31314_31313149	NC_021161.1	Ca_kabuli_chr02	31313149	CC	AA	1940155485
SNP_P1_31315_31313151	NC_021161.1	Ca_kabuli_chr02	31313151	TT	AA	1940155486
SNP_P1_31317_31313348	NC_021161.1	Ca_kabuli_chr02	31313348	TT	CC	1940155487
SNP_P1_31318_31313363	NC_021161.1	Ca_kabuli_chr02	31313363	GG	AA	1940155488
SNP_P1_31319_31313387	NC_021161.1	Ca_kabuli_chr02	31313387	AA	GG	1940155489
SNP_P1_31320_31313409	NC_021161.1	Ca_kabuli_chr02	31313409	CC	TT	1940155490
SNP_P1_31321_31313808	NC_021161.1	Ca_kabuli_chr02	31313808	CC	TT	1940155491
SNP_P1_31322_31316304	NC_021161.1	Ca_kabuli_chr02	31316304	GG	AA	1940155492
SNP_P1_31323_31316346	NC_021161.1	Ca_kabuli_chr02	31316346	AA	GG	1940155493
SNP_P1_31324_31316490	NC_021161.1	Ca_kabuli_chr02	31316490	GG	AA	1940155494
SNP_P1_31325_31316515	NC_021161.1	Ca_kabuli_chr02	31316515	CC	TT	1940155495
SNP_P1_31326_31316574	NC_021161.1	Ca_kabuli_chr02	31316574	TT	GG	1940155496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31328_31316675	NC_021161.1	Ca_kabuli_chr02	31316675	AA	GG	1940155498
SNP_P1_31329_31316723	NC_021161.1	Ca_kabuli_chr02	31316723	CC	TT	1940155499
SNP_P1_31330_31317109	NC_021161.1	Ca_kabuli_chr02	31317109	GG	AA	1940155500
SNP_P1_31331_31317150	NC_021161.1	Ca_kabuli_chr02	31317150	TT	GG	1940155501
SNP_P1_31333_31317870	NC_021161.1	Ca_kabuli_chr02	31317870	CC	TT	1940155502
SNP_P1_31334_31317911	NC_021161.1	Ca_kabuli_chr02	31317911	GG	AA	1940155503
SNP_P1_31335_31317919	NC_021161.1	Ca_kabuli_chr02	31317919	TT	CC	1940155504
SNP_P1_31336_31317922	NC_021161.1	Ca_kabuli_chr02	31317922	CC	AA	1940155505
SNP_P1_31338_31322925	NC_021161.1	Ca_kabuli_chr02	31322925	AA	GG	1940155506
SNP_P1_31339_31323059	NC_021161.1	Ca_kabuli_chr02	31323059	TT	CC	1940155507
SNP_P1_31341_31323196	NC_021161.1	Ca_kabuli_chr02	31323196	GG	AA	1940155509
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SNP_P1_31344_31323317	NC_021161.1	Ca_kabuli_chr02	31323317	GG	AA	1940155512
SNP_P1_31346_31325472	NC_021161.1	Ca_kabuli_chr02	31325472	AA	TT	1940155513
SNP_P1_31347_31325478	NC_021161.1	Ca_kabuli_chr02	31325478	TT	GG	1940155514
SNP_P1_31348_31325481	NC_021161.1	Ca_kabuli_chr02	31325481	AA	GG	1940155515
SNP_P1_31349_31325482	NC_021161.1	Ca_kabuli_chr02	31325482	CC	GG	1940155516
SNP_P1_31350_31325493	NC_021161.1	Ca_kabuli_chr02	31325493	AA	GG	1940155517
SNP_P1_31351_31325518	NC_021161.1	Ca_kabuli_chr02	31325518	GG	AA	1940155518
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SNP_P1_31353_31326808	NC_021161.1	Ca_kabuli_chr02	31326808	TT	CC	1940155520
SNP_P1_31354_31326814	NC_021161.1	Ca_kabuli_chr02	31326814	CC	TT	1940155521
SNP_P1_31355_31326816	NC_021161.1	Ca_kabuli_chr02	31326816	AA	CC	1940155522
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SNP_P1_31358_31331389	NC_021161.1	Ca_kabuli_chr02	31331389	TT	AA	1940155525
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SNP_P1_31360_31332146	NC_021161.1	Ca_kabuli_chr02	31332146	TT	CC	1940155527
SNP_P1_31361_31332158	NC_021161.1	Ca_kabuli_chr02	31332158	CC	TT	1940155528
SNP_P1_31362_31332184	NC_021161.1	Ca_kabuli_chr02	31332184	GG	AA	1940155529
SNP_P1_31363_31332191	NC_021161.1	Ca_kabuli_chr02	31332191	GG	CC	1940155530
SNP_P1_31364_31332193	NC_021161.1	Ca_kabuli_chr02	31332193	GG	TT	1940155531
SNP_P1_31365_31332194	NC_021161.1	Ca_kabuli_chr02	31332194	GG	AA	1940155532
SNP_P1_31366_31333933	NC_021161.1	Ca_kabuli_chr02	31333933	TT	GG	1940155533
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SNP_P1_31368_31334280	NC_021161.1	Ca_kabuli_chr02	31334280	CC	TT	1940155535
SNP_P1_31369_31334529	NC_021161.1	Ca_kabuli_chr02	31334529	GG	AA	1940155536
SNP_P1_31370_31334547	NC_021161.1	Ca_kabuli_chr02	31334547	CC	TT	1940155537
SNP_P1_31371_31334550	NC_021161.1	Ca_kabuli_chr02	31334550	GG	AA	1940155538
SNP_P1_31372_31334617	NC_021161.1	Ca_kabuli_chr02	31334617	CC	TT	1940155539

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31374_31334795	NC_021161.1	Ca_kabuli_chr02	31334795	AA	CC	1940155541
SNP_P1_31375_31334807	NC_021161.1	Ca_kabuli_chr02	31334807	GG	TT	1940155542
SNP_P1_31376_31334996	NC_021161.1	Ca_kabuli_chr02	31334996	AA	GG	1940155543
SNP_P1_31377_31335192	NC_021161.1	Ca_kabuli_chr02	31335192	AA	CC	1940155544
SNP_P1_31378_31335202	NC_021161.1	Ca_kabuli_chr02	31335202	CC	AA	1940155545
SNP_P1_31379_31335257	NC_021161.1	Ca_kabuli_chr02	31335257	AA	CC	1940155547
SNP_P1_31380_31335436	NC_021161.1	Ca_kabuli_chr02	31335436	GG	AA	1940155548
SNP_P1_31381_31335919	NC_021161.1	Ca_kabuli_chr02	31335919	CC	TT	1940155549
SNP_P1_31382_31335981	NC_021161.1	Ca_kabuli_chr02	31335981	TT	AA	1940155550
SNP_P1_31383_31335990	NC_021161.1	Ca_kabuli_chr02	31335990	GG	AA	1940155551
SNP_P1_31385_31336620	NC_021161.1	Ca_kabuli_chr02	31336620	TT	AA	1940155552
SNP_P1_31386_31336673	NC_021161.1	Ca_kabuli_chr02	31336673	TT	AA	1940155553
SNP_P1_31387_31336675	NC_021161.1	Ca_kabuli_chr02	31336675	AA	CC	1940155554
SNP_P1_31388_31336677	NC_021161.1	Ca_kabuli_chr02	31336677	CC	AA	1940155555
SNP_P1_31389_31336693	NC_021161.1	Ca_kabuli_chr02	31336693	AA	TT	1940155556
SNP_P1_31390_31336989	NC_021161.1	Ca_kabuli_chr02	31336989	AA	GG	1940155557
SNP_P1_31391_31336994	NC_021161.1	Ca_kabuli_chr02	31336994	AA	TT	1940155558
SNP_P1_31392_31337022	NC_021161.1	Ca_kabuli_chr02	31337022	AA	GG	1940155559
SNP_P1_31393_31337294	NC_021161.1	Ca_kabuli_chr02	31337294	GG	CC	1940155560
SNP_P1_31394_31341253	NC_021161.1	Ca_kabuli_chr02	31341253	AA	GG	1940155561
SNP_P1_31395_31341267	NC_021161.1	Ca_kabuli_chr02	31341267	CC	AA	1940155562
SNP_P1_31396_31341816	NC_021161.1	Ca_kabuli_chr02	31341816	TT	CC	1940155563
SNP_P1_31398_31342009	NC_021161.1	Ca_kabuli_chr02	31342009	AA	GG	1940155564
SNP_P1_31399_31344733	NC_021161.1	Ca_kabuli_chr02	31344733	AA	GG	1940155565
SNP_P1_31400_31345606	NC_021161.1	Ca_kabuli_chr02	31345606	TT	AA	1940155566
SNP_P1_31401_31345607	NC_021161.1	Ca_kabuli_chr02	31345607	AA	TT	1940155567
SNP_P1_31402_31346013	NC_021161.1	Ca_kabuli_chr02	31346013	GG	CC	1940155568
SNP_P1_31403_31346305	NC_021161.1	Ca_kabuli_chr02	31346305	TT	GG	1940155569
SNP_P1_31404_31346344	NC_021161.1	Ca_kabuli_chr02	31346344	AA	GG	1940155570
SNP_P1_31405_31346488	NC_021161.1	Ca_kabuli_chr02	31346488	AA	GG	1940155571
SNP_P1_31406_31346653	NC_021161.1	Ca_kabuli_chr02	31346653	TT	CC	1940155572
SNP_P1_31407_31346698	NC_021161.1	Ca_kabuli_chr02	31346698	CC	TT	1940155573
SNP_P1_31408_31347009	NC_021161.1	Ca_kabuli_chr02	31347009	CC	TT	1940155574
SNP_P1_31410_31349163	NC_021161.1	Ca_kabuli_chr02	31349163	AA	TT	1940155575
SNP_P1_31411_31350563	NC_021161.1	Ca_kabuli_chr02	31350563	CC	TT	1940155576
SNP_P1_31413_31351833	NC_021161.1	Ca_kabuli_chr02	31351833	CC	TT	1940155577
SNP_P1_31414_31351841	NC_021161.1	Ca_kabuli_chr02	31351841	TT	CC	1940155578
SNP_P1_31415_31351994	NC_021161.1	Ca_kabuli_chr02	31351994	TT	CC	1940155579
SNP_P1_31416_31352007	NC_021161.1	Ca_kabuli_chr02	31352007	GG	TT	1940155580
SNP_P1_31417_31352070	NC_021161.1	Ca_kabuli_chr02	31352070	AA	CC	1940155581
SNP_P1_31418_31352071	NC_021161.1	Ca_kabuli_chr02	31352071	GG	AA	1940155582

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31421_31352077	NC_021161.1	Ca_kabuli_chr02	31352077	GG	AA	1940155585
SNP_P1_31422_31352078	NC_021161.1	Ca_kabuli_chr02	31352078	TT	AA	1940155586
SNP_P1_31423_31352201	NC_021161.1	Ca_kabuli_chr02	31352201	TT	CC	1940155587
SNP_P1_31424_31352212	NC_021161.1	Ca_kabuli_chr02	31352212	CC	AA	1940155588
SNP_P1_31425_31352289	NC_021161.1	Ca_kabuli_chr02	31352289	TT	CC	1940155589
SNP_P1_31426_31352301	NC_021161.1	Ca_kabuli_chr02	31352301	GG	AA	1940155590
SNP_P1_31427_31352312	NC_021161.1	Ca_kabuli_chr02	31352312	AA	GG	1940155591
SNP_P1_31429_31352700	NC_021161.1	Ca_kabuli_chr02	31352700	CC	TT	1940155592
SNP_P1_31430_31352701	NC_021161.1	Ca_kabuli_chr02	31352701	TT	CC	1940155594
SNP_P1_31431_31352702	NC_021161.1	Ca_kabuli_chr02	31352702	TT	GG	1940155595
SNP_P1_31432_31352941	NC_021161.1	Ca_kabuli_chr02	31352941	AA	TT	1940155596
SNP_P1_31433_31352990	NC_021161.1	Ca_kabuli_chr02	31352990	AA	GG	1940155597
SNP_P1_31434_31354165	NC_021161.1	Ca_kabuli_chr02	31354165	TT	CC	1940155598
SNP_P1_31435_31354290	NC_021161.1	Ca_kabuli_chr02	31354290	AA	TT	1940155599
SNP_P1_31436_31354371	NC_021161.1	Ca_kabuli_chr02	31354371	TT	AA	1940155600
SNP_P1_31437_31354687	NC_021161.1	Ca_kabuli_chr02	31354687	TT	CC	1940155601
SNP_P1_31438_31354694	NC_021161.1	Ca_kabuli_chr02	31354694	GG	AA	1940155602
SNP_P1_31439_31354705	NC_021161.1	Ca_kabuli_chr02	31354705	CC	AA	1940155603
SNP_P1_31440_31354760	NC_021161.1	Ca_kabuli_chr02	31354760	TT	GG	1940155604
SNP_P1_31441_31354773	NC_021161.1	Ca_kabuli_chr02	31354773	CC	TT	1940155605
SNP_P1_31442_31355046	NC_021161.1	Ca_kabuli_chr02	31355046	GG	AA	1940155606
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SNP_P1_31445_31360721	NC_021161.1	Ca_kabuli_chr02	31360721	AA	GG	1940155608
SNP_P1_31446_31361467	NC_021161.1	Ca_kabuli_chr02	31361467	AA	GG	1940155609
SNP_P1_31447_31361470	NC_021161.1	Ca_kabuli_chr02	31361470	AA	GG	1940155610
SNP_P1_31448_31361497	NC_021161.1	Ca_kabuli_chr02	31361497	CC	TT	1940155611
SNP_P1_31449_31361746	NC_021161.1	Ca_kabuli_chr02	31361746	GG	CC	1940155612
SNP_P1_31450_31361794	NC_021161.1	Ca_kabuli_chr02	31361794	TT	CC	1940155613
SNP_P1_31451_31361866	NC_021161.1	Ca_kabuli_chr02	31361866	AA	TT	1940155614
SNP_P1_31452_31362129	NC_021161.1	Ca_kabuli_chr02	31362129	TT	AA	1940155615
SNP_P1_31453_31362163	NC_021161.1	Ca_kabuli_chr02	31362163	CC	AA	1940155616
SNP_P1_31454_31363227	NC_021161.1	Ca_kabuli_chr02	31363227	TT	AA	1940155617
SNP_P1_31457_31364252	NC_021161.1	Ca_kabuli_chr02	31364252	TT	GG	1940155618
SNP_P1_31458_31364291	NC_021161.1	Ca_kabuli_chr02	31364291	AA	GG	1940155619
SNP_P1_31459_31364810	NC_021161.1	Ca_kabuli_chr02	31364810	TT	GG	1940155620
SNP_P1_31460_31364822	NC_021161.1	Ca_kabuli_chr02	31364822	CC	GG	1940155621
SNP_P1_31461_31365017	NC_021161.1	Ca_kabuli_chr02	31365017	TT	AA	1940155622
SNP_P1_31462_31365150	NC_021161.1	Ca_kabuli_chr02	31365150	TT	AA	1940155623
SNP_P1_31463_31365286	NC_021161.1	Ca_kabuli_chr02	31365286	GG	TT	1940155624
SNP_P1_31464_31365417	NC_021161.1	Ca_kabuli_chr02	31365417	AA	TT	1940155625

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31468_31365860	NC_021161.1	Ca_kabuli_chr02	31365860	GG	AA	1940155627
SNP_P1_31469_31366581	NC_021161.1	Ca_kabuli_chr02	31366581	GG	TT	1940155628
SNP_P1_31472_31368087	NC_021161.1	Ca_kabuli_chr02	31368087	TT	CC	1940155629
SNP_P1_31473_31368113	NC_021161.1	Ca_kabuli_chr02	31368113	TT	CC	1940155631
SNP_P1_31475_31368267	NC_021161.1	Ca_kabuli_chr02	31368267	GG	CC	1940155632
SNP_P1_31477_31368894	NC_021161.1	Ca_kabuli_chr02	31368894	TT	AA	1940155633
SNP_P1_31478_31369077	NC_021161.1	Ca_kabuli_chr02	31369077	CC	TT	1940155634
SNP_P1_31479_31369084	NC_021161.1	Ca_kabuli_chr02	31369084	GG	TT	1940155635
SNP_P1_31480_31369298	NC_021161.1	Ca_kabuli_chr02	31369298	AA	GG	1940155636
SNP_P1_31481_31369424	NC_021161.1	Ca_kabuli_chr02	31369424	TT	AA	1940155637
SNP_P1_31482_31369425	NC_021161.1	Ca_kabuli_chr02	31369425	TT	AA	1940155638
SNP_P1_31483_31369426	NC_021161.1	Ca_kabuli_chr02	31369426	TT	AA	1940155639
SNP_P1_31484_31369429	NC_021161.1	Ca_kabuli_chr02	31369429	AA	TT	1940155640
SNP_P1_31485_31370155	NC_021161.1	Ca_kabuli_chr02	31370155	TT	AA	1940155641
SNP_P1_31488_31372714	NC_021161.1	Ca_kabuli_chr02	31372714	AA	GG	1940155642
SNP_P1_31489_31372718	NC_021161.1	Ca_kabuli_chr02	31372718	GG	TT	1940155643
SNP_P1_31490_31372895	NC_021161.1	Ca_kabuli_chr02	31372895	TT	GG	1940155644
SNP_P1_31491_31373054	NC_021161.1	Ca_kabuli_chr02	31373054	AA	TT	1940155645
SNP_P1_31492_31373660	NC_021161.1	Ca_kabuli_chr02	31373660	TT	CC	1940155646
SNP_P1_31493_31373682	NC_021161.1	Ca_kabuli_chr02	31373682	AA	GG	1940155647
SNP_P1_31494_31373719	NC_021161.1	Ca_kabuli_chr02	31373719	AA	GG	1940155648
SNP_P1_31496_31373757	NC_021161.1	Ca_kabuli_chr02	31373757	TT	AA	1940155649
SNP_P1_31497_31374261	NC_021161.1	Ca_kabuli_chr02	31374261	GG	TT	1940155650
SNP_P1_31498_31374272	NC_021161.1	Ca_kabuli_chr02	31374272	AA	CC	1940155651
SNP_P1_31499_31374299	NC_021161.1	Ca_kabuli_chr02	31374299	AA	CC	1940155652
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SNP_P1_31502_31374561	NC_021161.1	Ca_kabuli_chr02	31374561	TT	GG	1940155655
SNP_P1_31503_31374593	NC_021161.1	Ca_kabuli_chr02	31374593	CC	TT	1940155656
SNP_P1_31504_31374711	NC_021161.1	Ca_kabuli_chr02	31374711	AA	GG	1940155657
SNP_P1_31505_31374746	NC_021161.1	Ca_kabuli_chr02	31374746	AA	GG	1940155658
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SNP_P1_31507_31374793	NC_021161.1	Ca_kabuli_chr02	31374793	AA	GG	1940155660
SNP_P1_31508_31374818	NC_021161.1	Ca_kabuli_chr02	31374818	GG	CC	1940155661
SNP_P1_31509_31374969	NC_021161.1	Ca_kabuli_chr02	31374969	GG	AA	1940155662
SNP_P1_31511_31375059	NC_021161.1	Ca_kabuli_chr02	31375059	GG	AA	1940155663
SNP_P1_31512_31375063	NC_021161.1	Ca_kabuli_chr02	31375063	TT	CC	1940155664
SNP_P1_31513_31375267	NC_021161.1	Ca_kabuli_chr02	31375267	CC	AA	1940155665
SNP_P1_31514_31375367	NC_021161.1	Ca_kabuli_chr02	31375367	CC	TT	1940155666
SNP_P1_31515_31375478	NC_021161.1	Ca_kabuli_chr02	31375478	GG	AA	1940155667
SNP_P1_31516_31375513	NC_021161.1	Ca_kabuli_chr02	31375513	TT	CC	1940155668

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31518_31376207	NC_021161.1	Ca_kabuli_chr02	31376207	GG	AA	1940155670
SNP_P1_31519_31376209	NC_021161.1	Ca_kabuli_chr02	31376209	GG	AA	1940155671
SNP_P1_31520_31376467	NC_021161.1	Ca_kabuli_chr02	31376467	AA	TT	1940155672
SNP_P1_31522_31378424	NC_021161.1	Ca_kabuli_chr02	31378424	GG	AA	1940155673
SNP_P1_31523_31378498	NC_021161.1	Ca_kabuli_chr02	31378498	CC	GG	1940155674
SNP_P1_31524_31378780	NC_021161.1	Ca_kabuli_chr02	31378780	AA	CC	1940155675
SNP_P1_31525_31379033	NC_021161.1	Ca_kabuli_chr02	31379033	AA	GG	1940155676
SNP_P1_31526_31379050	NC_021161.1	Ca_kabuli_chr02	31379050	CC	TT	1940155678
SNP_P1_31527_31380142	NC_021161.1	Ca_kabuli_chr02	31380142	AA	CC	1940155679
SNP_P1_31529_31381438	NC_021161.1	Ca_kabuli_chr02	31381438	TT	CC	1940155680
SNP_P1_31530_31381640	NC_021161.1	Ca_kabuli_chr02	31381640	CC	TT	1940155681
SNP_P1_31531_31381916	NC_021161.1	Ca_kabuli_chr02	31381916	AA	TT	1940155682
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SNP_P1_31534_31384174	NC_021161.1	Ca_kabuli_chr02	31384174	GG	AA	1940155685
SNP_P1_31536_31385119	NC_021161.1	Ca_kabuli_chr02	31385119	AA	TT	1940155686
SNP_P1_31537_31385120	NC_021161.1	Ca_kabuli_chr02	31385120	AA	TT	1940155687
SNP_P1_31538_31385121	NC_021161.1	Ca_kabuli_chr02	31385121	AA	TT	1940155688
SNP_P1_31539_31385126	NC_021161.1	Ca_kabuli_chr02	31385126	AA	TT	1940155689
SNP_P1_31540_31385298	NC_021161.1	Ca_kabuli_chr02	31385298	TT	GG	1940155690
SNP_P1_31541_31385546	NC_021161.1	Ca_kabuli_chr02	31385546	AA	CC	1940155691
SNP_P1_31542_31385557	NC_021161.1	Ca_kabuli_chr02	31385557	AA	CC	1940155692
SNP_P1_31543_31385588	NC_021161.1	Ca_kabuli_chr02	31385588	CC	TT	1940155693
SNP_P1_31546_31385930	NC_021161.1	Ca_kabuli_chr02	31385930	GG	CC	1940155694
SNP_P1_31547_31385939	NC_021161.1	Ca_kabuli_chr02	31385939	AA	GG	1940155695
SNP_P1_31548_31386174	NC_021161.1	Ca_kabuli_chr02	31386174	CC	GG	1940155696
SNP_P1_31549_31386546	NC_021161.1	Ca_kabuli_chr02	31386546	CC	TT	1940155697
SNP_P1_31550_31386558	NC_021161.1	Ca_kabuli_chr02	31386558	AA	TT	1940155698
SNP_P1_31551_31386739	NC_021161.1	Ca_kabuli_chr02	31386739	AA	GG	1940155699
SNP_P1_31552_31386778	NC_021161.1	Ca_kabuli_chr02	31386778	AA	GG	1940155700
SNP_P1_31553_31386784	NC_021161.1	Ca_kabuli_chr02	31386784	AA	CC	1940155701
SNP_P1_31555_31386822	NC_021161.1	Ca_kabuli_chr02	31386822	TT	CC	1940155702
SNP_P1_31557_31386945	NC_021161.1	Ca_kabuli_chr02	31386945	GG	AA	1940155703
SNP_P1_31558_31387118	NC_021161.1	Ca_kabuli_chr02	31387118	GG	CC	1940155704
SNP_P1_31559_31387468	NC_021161.1	Ca_kabuli_chr02	31387468	TT	CC	1940155705
SNP_P1_31561_31388223	NC_021161.1	Ca_kabuli_chr02	31388223	AA	TT	1940155706
SNP_P1_31563_31388284	NC_021161.1	Ca_kabuli_chr02	31388284	CC	TT	1940155707
SNP_P1_31564_31388290	NC_021161.1	Ca_kabuli_chr02	31388290	AA	TT	1940155708
SNP_P1_31565_31388336	NC_021161.1	Ca_kabuli_chr02	31388336	GG	AA	1940155709
SNP_P1_31566_31388342	NC_021161.1	Ca_kabuli_chr02	31388342	CC	TT	1940155710
SNP_P1_31568_31388375	NC_021161.1	Ca_kabuli_chr02	31388375	AA	GG	1940155711

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31570_31388417	NC_021161.1	Ca_kabuli_chr02	31388417	CC	TT	1940155714
SNP_P1_31571_31388448	NC_021161.1	Ca_kabuli_chr02	31388448	GG	AA	1940155715
SNP_P1_31572_31388452	NC_021161.1	Ca_kabuli_chr02	31388452	GG	AA	1940155716
SNP_P1_31573_31388454	NC_021161.1	Ca_kabuli_chr02	31388454	AA	GG	1940155717
SNP_P1_31574_31388461	NC_021161.1	Ca_kabuli_chr02	31388461	CC	AA	1940155718
SNP_P1_31575_31388474	NC_021161.1	Ca_kabuli_chr02	31388474	GG	AA	1940155719
SNP_P1_31576_31388477	NC_021161.1	Ca_kabuli_chr02	31388477	AA	GG	1940155720
SNP_P1_31577_31388519	NC_021161.1	Ca_kabuli_chr02	31388519	GG	AA	1940155721
SNP_P1_31578_31388545	NC_021161.1	Ca_kabuli_chr02	31388545	GG	CC	1940155722
SNP_P1_31579_31388571	NC_021161.1	Ca_kabuli_chr02	31388571	CC	TT	1940155723
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SNP_P1_31581_31389538	NC_021161.1	Ca_kabuli_chr02	31389538	TT	CC	1940155725
SNP_P1_31582_31389540	NC_021161.1	Ca_kabuli_chr02	31389540	TT	AA	1940155726
SNP_P1_31583_31389546	NC_021161.1	Ca_kabuli_chr02	31389546	CC	TT	1940155727
SNP_P1_31584_31389564	NC_021161.1	Ca_kabuli_chr02	31389564	GG	AA	1940155728
SNP_P1_31585_31389718	NC_021161.1	Ca_kabuli_chr02	31389718	GG	AA	1940155729
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SNP_P1_31587_31389735	NC_021161.1	Ca_kabuli_chr02	31389735	AA	GG	1940155731
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SNP_P1_31590_31390793	NC_021161.1	Ca_kabuli_chr02	31390793	AA	GG	1940155734
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SNP_P1_31593_31391163	NC_021161.1	Ca_kabuli_chr02	31391163	TT	CC	1940155737
SNP_P1_31594_31397418	NC_021161.1	Ca_kabuli_chr02	31397418	AA	TT	1940155738
SNP_P1_31595_31397609	NC_021161.1	Ca_kabuli_chr02	31397609	GG	AA	1940155739
SNP_P1_31596_31397805	NC_021161.1	Ca_kabuli_chr02	31397805	TT	CC	1940155740
SNP_P1_31597_31406336	NC_021161.1	Ca_kabuli_chr02	31406336	GG	AA	1940155741
SNP_P1_31598_31406400	NC_021161.1	Ca_kabuli_chr02	31406400	AA	GG	1940155742
SNP_P1_31599_31406424	NC_021161.1	Ca_kabuli_chr02	31406424	TT	CC	1940155743
SNP_P1_31601_31406699	NC_021161.1	Ca_kabuli_chr02	31406699	AA	GG	1940155744
SNP_P1_31602_31406957	NC_021161.1	Ca_kabuli_chr02	31406957	AA	TT	1940155745
SNP_P1_31603_31407020	NC_021161.1	Ca_kabuli_chr02	31407020	GG	AA	1940155746
SNP_P1_31605_31407187	NC_021161.1	Ca_kabuli_chr02	31407187	AA	GG	1940155747
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SNP_P1_31607_31410897	NC_021161.1	Ca_kabuli_chr02	31410897	CC	AA	1940155749
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SNP_P1_31609_31412208	NC_021161.1	Ca_kabuli_chr02	31412208	GG	TT	1940155751
SNP_P1_31610_31412221	NC_021161.1	Ca_kabuli_chr02	31412221	AA	TT	1940155752
SNP_P1_31611_31412260	NC_021161.1	Ca_kabuli_chr02	31412260	GG	CC	1940155753
SNP_P1_31613_31412621	NC_021161.1	Ca_kabuli_chr02	31412621	TT	CC	1940155754

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31618_31413135	NC_021161.1	Ca_kabuli_chr02	31413135	TT	CC	1940155757
SNP_P1_31619_31413176	NC_021161.1	Ca_kabuli_chr02	31413176	TT	AA	1940155758
SNP_P1_31620_31415182	NC_021161.1	Ca_kabuli_chr02	31415182	GG	TT	1940155759
SNP_P1_31621_31415207	NC_021161.1	Ca_kabuli_chr02	31415207	TT	GG	1940155760
SNP_P1_31624_31415800	NC_021161.1	Ca_kabuli_chr02	31415800	GG	CC	1940155762
SNP_P1_31625_31415844	NC_021161.1	Ca_kabuli_chr02	31415844	TT	GG	1940155763
SNP_P1_31626_31415879	NC_021161.1	Ca_kabuli_chr02	31415879	GG	AA	1940155764
SNP_P1_31627_31415893	NC_021161.1	Ca_kabuli_chr02	31415893	GG	AA	1940155765
SNP_P1_31628_31415990	NC_021161.1	Ca_kabuli_chr02	31415990	GG	AA	1940155766
SNP_P1_31629_31419116	NC_021161.1	Ca_kabuli_chr02	31419116	AA	CC	1940155767
SNP_P1_31630_31419229	NC_021161.1	Ca_kabuli_chr02	31419229	TT	CC	1940155768
SNP_P1_31632_31419674	NC_021161.1	Ca_kabuli_chr02	31419674	GG	AA	1940155769
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SNP_P1_31634_31419702	NC_021161.1	Ca_kabuli_chr02	31419702	TT	CC	1940155771
SNP_P1_31635_31419723	NC_021161.1	Ca_kabuli_chr02	31419723	TT	CC	1940155772
SNP_P1_31636_31419744	NC_021161.1	Ca_kabuli_chr02	31419744	TT	GG	1940155773
SNP_P1_31637_31420642	NC_021161.1	Ca_kabuli_chr02	31420642	GG	CC	1940155774
SNP_P1_31638_31420951	NC_021161.1	Ca_kabuli_chr02	31420951	TT	GG	1940155775
SNP_P1_31640_31421746	NC_021161.1	Ca_kabuli_chr02	31421746	AA	GG	1940155776
SNP_P1_31641_31423849	NC_021161.1	Ca_kabuli_chr02	31423849	GG	CC	1940155777
SNP_P1_31642_31424635	NC_021161.1	Ca_kabuli_chr02	31424635	AA	GG	1940155778
SNP_P1_31643_31424682	NC_021161.1	Ca_kabuli_chr02	31424682	AA	GG	1940155779
SNP_P1_31644_31425733	NC_021161.1	Ca_kabuli_chr02	31425733	CC	TT	1940155780
SNP_P1_31645_31426015	NC_021161.1	Ca_kabuli_chr02	31426015	TT	AA	1940155781
SNP_P1_31646_31426027	NC_021161.1	Ca_kabuli_chr02	31426027	CC	TT	1940155782
SNP_P1_31648_31426086	NC_021161.1	Ca_kabuli_chr02	31426086	CC	TT	1940155783
SNP_P1_31649_31426994	NC_021161.1	Ca_kabuli_chr02	31426994	AA	CC	1940155784
SNP_P1_31650_31427154	NC_021161.1	Ca_kabuli_chr02	31427154	AA	GG	1940155785
SNP_P1_31651_31427187	NC_021161.1	Ca_kabuli_chr02	31427187	TT	CC	1940155786
SNP_P1_31652_31427238	NC_021161.1	Ca_kabuli_chr02	31427238	TT	CC	1940155787
SNP_P1_31653_31427282	NC_021161.1	Ca_kabuli_chr02	31427282	AA	GG	1940155788
SNP_P1_31654_31427303	NC_021161.1	Ca_kabuli_chr02	31427303	CC	TT	1940155789
SNP_P1_31655_31427310	NC_021161.1	Ca_kabuli_chr02	31427310	TT	CC	1940155790
SNP_P1_31656_31427670	NC_021161.1	Ca_kabuli_chr02	31427670	GG	TT	1940155791
SNP_P1_31657_31427902	NC_021161.1	Ca_kabuli_chr02	31427902	GG	CC	1940155792
SNP_P1_31658_31428279	NC_021161.1	Ca_kabuli_chr02	31428279	TT	CC	1940155793
SNP_P1_31659_31428522	NC_021161.1	Ca_kabuli_chr02	31428522	TT	CC	1940155794
SNP_P1_31660_31428553	NC_021161.1	Ca_kabuli_chr02	31428553	AA	CC	1940155795
SNP_P1_31661_31428819	NC_021161.1	Ca_kabuli_chr02	31428819	GG	CC	1940155796
SNP_P1_31662_31428850	NC_021161.1	Ca_kabuli_chr02	31428850	TT	CC	1940155797

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31665_31430911	NC_021161.1	Ca_kabuli_chr02	31430911	GG	TT	1940155799
SNP_P1_31666_31431416	NC_021161.1	Ca_kabuli_chr02	31431416	AA	GG	1940155801
SNP_P1_31667_31431582	NC_021161.1	Ca_kabuli_chr02	31431582	TT	GG	1940155802
SNP_P1_31668_31433367	NC_021161.1	Ca_kabuli_chr02	31433367	AA	GG	1940155803
SNP_P1_31669_31435074	NC_021161.1	Ca_kabuli_chr02	31435074	AA	CC	1940155804
SNP_P1_31670_31438025	NC_021161.1	Ca_kabuli_chr02	31438025	CC	TT	1940155805
SNP_P1_31671_31438288	NC_021161.1	Ca_kabuli_chr02	31438288	TT	GG	1940155806
SNP_P1_31672_31438291	NC_021161.1	Ca_kabuli_chr02	31438291	AA	GG	1940155807
SNP_P1_31673_31439239	NC_021161.1	Ca_kabuli_chr02	31439239	GG	AA	1940155808
SNP_P1_31675_31441483	NC_021161.1	Ca_kabuli_chr02	31441483	GG	TT	1940155809
SNP_P1_31676_31441652	NC_021161.1	Ca_kabuli_chr02	31441652	AA	TT	1940155810
SNP_P1_31677_31441846	NC_021161.1	Ca_kabuli_chr02	31441846	GG	AA	1940155811
SNP_P1_31678_31442182	NC_021161.1	Ca_kabuli_chr02	31442182	GG	AA	1940155812
SNP_P1_31679_31442726	NC_021161.1	Ca_kabuli_chr02	31442726	GG	AA	1940155813
SNP_P1_31680_31444716	NC_021161.1	Ca_kabuli_chr02	31444716	GG	AA	1940155814
SNP_P1_31681_31444921	NC_021161.1	Ca_kabuli_chr02	31444921	TT	CC	1940155815
SNP_P1_31682_31445402	NC_021161.1	Ca_kabuli_chr02	31445402	GG	AA	1940155816
SNP_P1_31683_31445629	NC_021161.1	Ca_kabuli_chr02	31445629	GG	TT	1940155817
SNP_P1_31684_31445939	NC_021161.1	Ca_kabuli_chr02	31445939	TT	CC	1940155818
SNP_P1_31685_31446199	NC_021161.1	Ca_kabuli_chr02	31446199	GG	AA	1940155819
SNP_P1_31686_31446206	NC_021161.1	Ca_kabuli_chr02	31446206	AA	GG	1940155820
SNP_P1_31687_31446239	NC_021161.1	Ca_kabuli_chr02	31446239	CC	TT	1940155821
SNP_P1_31688_31446809	NC_021161.1	Ca_kabuli_chr02	31446809	AA	GG	1940155822
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SNP_P1_31693_31449500	NC_021161.1	Ca_kabuli_chr02	31449500	GG	TT	1940155827
SNP_P1_31694_31450030	NC_021161.1	Ca_kabuli_chr02	31450030	GG	AA	1940155828
SNP_P1_31696_31450217	NC_021161.1	Ca_kabuli_chr02	31450217	AA	TT	1940155829
SNP_P1_31697_31450239	NC_021161.1	Ca_kabuli_chr02	31450239	TT	CC	1940155830
SNP_P1_31698_31450347	NC_021161.1	Ca_kabuli_chr02	31450347	TT	CC	1940155831
SNP_P1_31699_31450508	NC_021161.1	Ca_kabuli_chr02	31450508	AA	GG	1940155832
SNP_P1_31700_31450595	NC_021161.1	Ca_kabuli_chr02	31450595	CC	GG	1940155833
SNP_P1_31701_31450729	NC_021161.1	Ca_kabuli_chr02	31450729	AA	GG	1940155834
SNP_P1_31703_31450829	NC_021161.1	Ca_kabuli_chr02	31450829	GG	AA	1940155835
SNP_P1_31704_31451565	NC_021161.1	Ca_kabuli_chr02	31451565	TT	GG	1940155836
SNP_P1_31705_31451572	NC_021161.1	Ca_kabuli_chr02	31451572	AA	GG	1940155838
SNP_P1_31706_31451594	NC_021161.1	Ca_kabuli_chr02	31451594	CC	TT	1940155839
SNP_P1_31707_31451618	NC_021161.1	Ca_kabuli_chr02	31451618	AA	TT	1940155840
SNP_P1_31708_31451709	NC_021161.1	Ca_kabuli_chr02	31451709	CC	AA	1940155841

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31710_31451925	NC_021161.1	Ca_kabuli_chr02	31451925	TT	CC	1940155843
SNP_P1_31711_31451949	NC_021161.1	Ca_kabuli_chr02	31451949	AA	CC	1940155844
SNP_P1_31712_31451963	NC_021161.1	Ca_kabuli_chr02	31451963	TT	CC	1940155845
SNP_P1_31713_31451973	NC_021161.1	Ca_kabuli_chr02	31451973	TT	CC	1940155846
SNP_P1_31714_31452203	NC_021161.1	Ca_kabuli_chr02	31452203	TT	GG	1940155847
SNP_P1_31715_31454302	NC_021161.1	Ca_kabuli_chr02	31454302	AA	GG	1940155848
SNP_P1_31716_31454970	NC_021161.1	Ca_kabuli_chr02	31454970	TT	AA	1940155849
SNP_P1_31717_31455832	NC_021161.1	Ca_kabuli_chr02	31455832	GG	AA	1940155850
SNP_P1_31718_31456138	NC_021161.1	Ca_kabuli_chr02	31456138	CC	TT	1940155851
SNP_P1_31720_31459304	NC_021161.1	Ca_kabuli_chr02	31459304	TT	CC	1940155852
SNP_P1_31721_31459777	NC_021161.1	Ca_kabuli_chr02	31459777	TT	AA	1940155853
SNP_P1_31723_31460398	NC_021161.1	Ca_kabuli_chr02	31460398	AA	GG	1940155854
SNP_P1_31724_31460420	NC_021161.1	Ca_kabuli_chr02	31460420	CC	TT	1940155855
SNP_P1_31725_31460685	NC_021161.1	Ca_kabuli_chr02	31460685	CC	AA	1940155856
SNP_P1_31726_31463212	NC_021161.1	Ca_kabuli_chr02	31463212	CC	TT	1940155857
SNP_P1_31727_31465304	NC_021161.1	Ca_kabuli_chr02	31465304	GG	AA	1940155858
SNP_P1_31728_31467048	NC_021161.1	Ca_kabuli_chr02	31467048	CC	AA	1940155859
SNP_P1_31729_31467745	NC_021161.1	Ca_kabuli_chr02	31467745	TT	CC	1940155860
SNP_P1_31730_31468851	NC_021161.1	Ca_kabuli_chr02	31468851	TT	CC	1940155861
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SNP_P1_31732_31469149	NC_021161.1	Ca_kabuli_chr02	31469149	AA	TT	1940155863
SNP_P1_31733_31469195	NC_021161.1	Ca_kabuli_chr02	31469195	CC	AA	1940155864
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SNP_P1_31735_31470531	NC_021161.1	Ca_kabuli_chr02	31470531	GG	AA	1940155867
SNP_P1_31736_31472478	NC_021161.1	Ca_kabuli_chr02	31472478	CC	TT	1940155868
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SNP_P1_31738_31473995	NC_021161.1	Ca_kabuli_chr02	31473995	CC	TT	1940155870
SNP_P1_31740_31474705	NC_021161.1	Ca_kabuli_chr02	31474705	TT	GG	1940155871
SNP_P1_31741_31482920	NC_021161.1	Ca_kabuli_chr02	31482920	CC	GG	1940155872
SNP_P1_31742_31482964	NC_021161.1	Ca_kabuli_chr02	31482964	AA	GG	1940155873
SNP_P1_31743_31482994	NC_021161.1	Ca_kabuli_chr02	31482994	AA	GG	1940155874
SNP_P1_31744_31483209	NC_021161.1	Ca_kabuli_chr02	31483209	TT	CC	1940155875
SNP_P1_31745_31483239	NC_021161.1	Ca_kabuli_chr02	31483239	AA	TT	1940155876
SNP_P1_31746_31483240	NC_021161.1	Ca_kabuli_chr02	31483240	AA	CC	1940155877
SNP_P1_31747_31483242	NC_021161.1	Ca_kabuli_chr02	31483242	AA	GG	1940155878
SNP_P1_31748_31485877	NC_021161.1	Ca_kabuli_chr02	31485877	AA	GG	1940155879
SNP_P1_31749_31491358	NC_021161.1	Ca_kabuli_chr02	31491358	AA	GG	1940155880
SNP_P1_31750_31491364	NC_021161.1	Ca_kabuli_chr02	31491364	GG	AA	1940155881
SNP_P1_31751_31491418	NC_021161.1	Ca_kabuli_chr02	31491418	CC	TT	1940155882
SNP_P1_31752_31491484	NC_021161.1	Ca_kabuli_chr02	31491484	AA	GG	1940155883
SNP_P1_31753_31491516	NC_021161.1	Ca_kabuli_chr02	31491516	AA	TT	1940155884

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31755_31494822	NC_021161.1	Ca_kabuli_chr02	31494822	AA	TT	1940155886
SNP_P1_31756_31494853	NC_021161.1	Ca_kabuli_chr02	31494853	TT	AA	1940155887
SNP_P1_31757_31496913	NC_021161.1	Ca_kabuli_chr02	31496913	AA	GG	1940155888
SNP_P1_31758_31498842	NC_021161.1	Ca_kabuli_chr02	31498842	TT	CC	1940155889
SNP_P1_31759_31499609	NC_021161.1	Ca_kabuli_chr02	31499609	TT	AA	1940155890
SNP_P1_31760_31505495	NC_021161.1	Ca_kabuli_chr02	31505495	GG	AA	1940155891
SNP_P1_31761_31513208	NC_021161.1	Ca_kabuli_chr02	31513208	GG	AA	1940155892
SNP_P1_31762_31513480	NC_021161.1	Ca_kabuli_chr02	31513480	AA	CC	1940155893
SNP_P1_31763_31513512	NC_021161.1	Ca_kabuli_chr02	31513512	AA	GG	1940155894
SNP_P1_31764_31534100	NC_021161.1	Ca_kabuli_chr02	31534100	CC	TT	1940155895
SNP_P1_31766_31534502	NC_021161.1	Ca_kabuli_chr02	31534502	AA	TT	1940155896
SNP_P1_31767_31534623	NC_021161.1	Ca_kabuli_chr02	31534623	AA	TT	1940155897
SNP_P1_31768_31534642	NC_021161.1	Ca_kabuli_chr02	31534642	TT	AA	1940155898
SNP_P1_31769_31534720	NC_021161.1	Ca_kabuli_chr02	31534720	TT	CC	1940155899
SNP_P1_31770_31534784	NC_021161.1	Ca_kabuli_chr02	31534784	GG	TT	1940155900
SNP_P1_31771_31534820	NC_021161.1	Ca_kabuli_chr02	31534820	AA	CC	1940155901
SNP_P1_31773_31534886	NC_021161.1	Ca_kabuli_chr02	31534886	GG	AA	1940155902
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SNP_P1_31778_31539596	NC_021161.1	Ca_kabuli_chr02	31539596	TT	GG	1940155908
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SNP_P1_31781_31539941	NC_021161.1	Ca_kabuli_chr02	31539941	AA	TT	1940155911
SNP_P1_31782_31540292	NC_021161.1	Ca_kabuli_chr02	31540292	CC	AA	1940155912
SNP_P1_31784_31540721	NC_021161.1	Ca_kabuli_chr02	31540721	AA	CC	1940155913
SNP_P1_31786_31540871	NC_021161.1	Ca_kabuli_chr02	31540871	GG	TT	1940155914
SNP_P1_31787_31540995	NC_021161.1	Ca_kabuli_chr02	31540995	AA	CC	1940155915
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SNP_P1_31789_31541165	NC_021161.1	Ca_kabuli_chr02	31541165	AA	TT	1940155917
SNP_P1_31790_31541525	NC_021161.1	Ca_kabuli_chr02	31541525	AA	GG	1940155918
SNP_P1_31791_31542838	NC_021161.1	Ca_kabuli_chr02	31542838	CC	GG	1940155919
SNP_P1_31792_31542861	NC_021161.1	Ca_kabuli_chr02	31542861	CC	GG	1940155920
SNP_P1_31793_31544132	NC_021161.1	Ca_kabuli_chr02	31544132	CC	TT	1940155921
SNP_P1_31794_31544611	NC_021161.1	Ca_kabuli_chr02	31544611	TT	CC	1940155922
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SNP_P1_31796_31544618	NC_021161.1	Ca_kabuli_chr02	31544618	AA	GG	1940155924
SNP_P1_31797_31544635	NC_021161.1	Ca_kabuli_chr02	31544635	TT	CC	1940155925
SNP_P1_31798_31544649	NC_021161.1	Ca_kabuli_chr02	31544649	CC	TT	1940155926
SNP_P1_31799_31544657	NC_021161.1	Ca_kabuli_chr02	31544657	TT	CC	1940155927

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31802_31546236	NC_021161.1	Ca_kabuli_chr02	31546236	GG	TT	1940155930
SNP_P1_31803_31546505	NC_021161.1	Ca_kabuli_chr02	31546505	GG	AA	1940155931
SNP_P1_31804_31549963	NC_021161.1	Ca_kabuli_chr02	31549963	CC	AA	1940155932
SNP_P1_31806_31550427	NC_021161.1	Ca_kabuli_chr02	31550427	AA	TT	1940155933
SNP_P1_31807_31550569	NC_021161.1	Ca_kabuli_chr02	31550569	AA	GG	1940155934
SNP_P1_31808_31551018	NC_021161.1	Ca_kabuli_chr02	31551018	GG	AA	1940155935
SNP_P1_31809_31551345	NC_021161.1	Ca_kabuli_chr02	31551345	CC	TT	1940155936
SNP_P1_31810_31551409	NC_021161.1	Ca_kabuli_chr02	31551409	AA	GG	1940155937
SNP_P1_31811_31551415	NC_021161.1	Ca_kabuli_chr02	31551415	AA	GG	1940155938
SNP_P1_31812_31551528	NC_021161.1	Ca_kabuli_chr02	31551528	CC	GG	1940155939
SNP_P1_31813_31551674	NC_021161.1	Ca_kabuli_chr02	31551674	CC	TT	1940155940
SNP_P1_31814_31551866	NC_021161.1	Ca_kabuli_chr02	31551866	GG	AA	1940155942
SNP_P1_31816_31552042	NC_021161.1	Ca_kabuli_chr02	31552042	AA	CC	1940155943
SNP_P1_31817_31552279	NC_021161.1	Ca_kabuli_chr02	31552279	AA	GG	1940155944
SNP_P1_31818_31552828	NC_021161.1	Ca_kabuli_chr02	31552828	CC	TT	1940155945
SNP_P1_31819_31553094	NC_021161.1	Ca_kabuli_chr02	31553094	GG	AA	1940155946
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SNP_P1_31821_31553935	NC_021161.1	Ca_kabuli_chr02	31553935	GG	TT	1940155948
SNP_P1_31822_31554778	NC_021161.1	Ca_kabuli_chr02	31554778	TT	CC	1940155949
SNP_P1_31823_31554806	NC_021161.1	Ca_kabuli_chr02	31554806	GG	AA	1940155950
SNP_P1_31824_31555445	NC_021161.1	Ca_kabuli_chr02	31555445	AA	GG	1940155951
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SNP_P1_31829_31559266	NC_021161.1	Ca_kabuli_chr02	31559266	TT	CC	1940155956
SNP_P1_31830_31559294	NC_021161.1	Ca_kabuli_chr02	31559294	TT	CC	1940155957
SNP_P1_31831_31559349	NC_021161.1	Ca_kabuli_chr02	31559349	TT	CC	1940155958
SNP_P1_31832_31559410	NC_021161.1	Ca_kabuli_chr02	31559410	AA	CC	1940155959
SNP_P1_31833_31559623	NC_021161.1	Ca_kabuli_chr02	31559623	AA	TT	1940155960
SNP_P1_31834_31559747	NC_021161.1	Ca_kabuli_chr02	31559747	GG	CC	1940155961
SNP_P1_31835_31559781	NC_021161.1	Ca_kabuli_chr02	31559781	TT	AA	1940155962
SNP_P1_31836_31559786	NC_021161.1	Ca_kabuli_chr02	31559786	CC	TT	1940155963
SNP_P1_31837_31560496	NC_021161.1	Ca_kabuli_chr02	31560496	AA	GG	1940155964
SNP_P1_31838_31561724	NC_021161.1	Ca_kabuli_chr02	31561724	CC	TT	1940155965
SNP_P1_31839_31561983	NC_021161.1	Ca_kabuli_chr02	31561983	GG	AA	1940155966
SNP_P1_31841_31563375	NC_021161.1	Ca_kabuli_chr02	31563375	TT	CC	1940155967
SNP_P1_31842_31564192	NC_021161.1	Ca_kabuli_chr02	31564192	GG	AA	1940155968
SNP_P1_31843_31564420	NC_021161.1	Ca_kabuli_chr02	31564420	TT	GG	1940155969
SNP_P1_31844_31567730	NC_021161.1	Ca_kabuli_chr02	31567730	AA	CC	1940155970

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31846_31575088	NC_021161.1	Ca_kabuli_chr02	31575088	GG	TT	1940155972
SNP_P1_31849_31581172	NC_021161.1	Ca_kabuli_chr02	31581172	GG	AA	1940155973
SNP_P1_31850_31581225	NC_021161.1	Ca_kabuli_chr02	31581225	AA	TT	1940155974
SNP_P1_31852_31581314	NC_021161.1	Ca_kabuli_chr02	31581314	AA	TT	1940155975
SNP_P1_31853_31581534	NC_021161.1	Ca_kabuli_chr02	31581534	TT	GG	1940155976
SNP_P1_31854_31582318	NC_021161.1	Ca_kabuli_chr02	31582318	AA	GG	1940155977
SNP_P1_31855_31588364	NC_021161.1	Ca_kabuli_chr02	31588364	AA	GG	1940155978
SNP_P1_31856_31589310	NC_021161.1	Ca_kabuli_chr02	31589310	GG	AA	1940155979
SNP_P1_31859_31595511	NC_021161.1	Ca_kabuli_chr02	31595511	CC	AA	1940155980
SNP_P1_31860_31595709	NC_021161.1	Ca_kabuli_chr02	31595709	AA	GG	1940155982
SNP_P1_31861_31595776	NC_021161.1	Ca_kabuli_chr02	31595776	TT	CC	1940155983
SNP_P1_31863_31595948	NC_021161.1	Ca_kabuli_chr02	31595948	AA	GG	1940155984
SNP_P1_31864_31595949	NC_021161.1	Ca_kabuli_chr02	31595949	CC	TT	1940155985
SNP_P1_31865_31595968	NC_021161.1	Ca_kabuli_chr02	31595968	TT	CC	1940155986
SNP_P1_31866_31596139	NC_021161.1	Ca_kabuli_chr02	31596139	AA	CC	1940155987
SNP_P1_31868_31596386	NC_021161.1	Ca_kabuli_chr02	31596386	CC	TT	1940155988
SNP_P1_31869_31596413	NC_021161.1	Ca_kabuli_chr02	31596413	GG	AA	1940155989
SNP_P1_31870_31596461	NC_021161.1	Ca_kabuli_chr02	31596461	GG	AA	1940155990
SNP_P1_31871_31596462	NC_021161.1	Ca_kabuli_chr02	31596462	AA	GG	1940155991
SNP_P1_31872_31597084	NC_021161.1	Ca_kabuli_chr02	31597084	GG	AA	1940155992
SNP_P1_31873_31597918	NC_021161.1	Ca_kabuli_chr02	31597918	CC	TT	1940155993
SNP_P1_31874_31597919	NC_021161.1	Ca_kabuli_chr02	31597919	AA	TT	1940155994
SNP_P1_31875_31597920	NC_021161.1	Ca_kabuli_chr02	31597920	AA	TT	1940155995
SNP_P1_31876_31597921	NC_021161.1	Ca_kabuli_chr02	31597921	AA	TT	1940155996
SNP_P1_31877_31598001	NC_021161.1	Ca_kabuli_chr02	31598001	TT	CC	1940155997
SNP_P1_31878_31598830	NC_021161.1	Ca_kabuli_chr02	31598830	AA	TT	1940155998
SNP_P1_31879_31599074	NC_021161.1	Ca_kabuli_chr02	31599074	CC	GG	1940155999
SNP_P1_31880_31599076	NC_021161.1	Ca_kabuli_chr02	31599076	AA	GG	1940156000
SNP_P1_31881_31599784	NC_021161.1	Ca_kabuli_chr02	31599784	AA	GG	1940156001
SNP_P1_31882_31599835	NC_021161.1	Ca_kabuli_chr02	31599835	GG	AA	1940156002
SNP_P1_31884_31603893	NC_021161.1	Ca_kabuli_chr02	31603893	TT	AA	1940156003
SNP_P1_31885_31603894	NC_021161.1	Ca_kabuli_chr02	31603894	GG	TT	1940156004
SNP_P1_31886_31604075	NC_021161.1	Ca_kabuli_chr02	31604075	GG	CC	1940156005
SNP_P1_31887_31605222	NC_021161.1	Ca_kabuli_chr02	31605222	GG	TT	1940156006
SNP_P1_31888_31605351	NC_021161.1	Ca_kabuli_chr02	31605351	GG	AA	1940156007
SNP_P1_31889_31605412	NC_021161.1	Ca_kabuli_chr02	31605412	CC	TT	1940156008
SNP_P1_31890_31605421	NC_021161.1	Ca_kabuli_chr02	31605421	AA	GG	1940156009
SNP_P1_31891_31605422	NC_021161.1	Ca_kabuli_chr02	31605422	GG	AA	1940156010
SNP_P1_31892_31605426	NC_021161.1	Ca_kabuli_chr02	31605426	TT	GG	1940156011
SNP_P1_31893_31605431	NC_021161.1	Ca_kabuli_chr02	31605431	TT	CC	1940156012
SNP_P1_31894_31605458	NC_021161.1	Ca_kabuli_chr02	31605458	TT	CC	1940156013

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31896_31605499	NC_021161.1	Ca_kabuli_chr02	31605499	AA	CC	1940156015
SNP_P1_31897_31605511	NC_021161.1	Ca_kabuli_chr02	31605511	AA	GG	1940156016
SNP_P1_31898_31605534	NC_021161.1	Ca_kabuli_chr02	31605534	CC	GG	1940156017
SNP_P1_31899_31605568	NC_021161.1	Ca_kabuli_chr02	31605568	CC	AA	1940156018
SNP_P1_31900_31605659	NC_021161.1	Ca_kabuli_chr02	31605659	TT	CC	1940156019
SNP_P1_31901_31607223	NC_021161.1	Ca_kabuli_chr02	31607223	TT	CC	1940156020
SNP_P1_31902_31607552	NC_021161.1	Ca_kabuli_chr02	31607552	CC	TT	1940156022
SNP_P1_31903_31608484	NC_021161.1	Ca_kabuli_chr02	31608484	CC	GG	1940156023
SNP_P1_31904_31613045	NC_021161.1	Ca_kabuli_chr02	31613045	TT	AA	1940156024
SNP_P1_31905_31613951	NC_021161.1	Ca_kabuli_chr02	31613951	GG	TT	1940156025
SNP_P1_31906_31614216	NC_021161.1	Ca_kabuli_chr02	31614216	GG	CC	1940156026
SNP_P1_31907_31615618	NC_021161.1	Ca_kabuli_chr02	31615618	AA	GG	1940156027
SNP_P1_31908_31616917	NC_021161.1	Ca_kabuli_chr02	31616917	GG	AA	1940156028
SNP_P1_31909_31616921	NC_021161.1	Ca_kabuli_chr02	31616921	AA	TT	1940156029
SNP_P1_31910_31616927	NC_021161.1	Ca_kabuli_chr02	31616927	GG	CC	1940156030
SNP_P1_31911_31616986	NC_021161.1	Ca_kabuli_chr02	31616986	TT	CC	1940156031
SNP_P1_31912_31616994	NC_021161.1	Ca_kabuli_chr02	31616994	CC	TT	1940156032
SNP_P1_31913_31616998	NC_021161.1	Ca_kabuli_chr02	31616998	TT	AA	1940156033
SNP_P1_31914_31617005	NC_021161.1	Ca_kabuli_chr02	31617005	TT	CC	1940156034
SNP_P1_31915_31617394	NC_021161.1	Ca_kabuli_chr02	31617394	TT	CC	1940156035
SNP_P1_31916_31617415	NC_021161.1	Ca_kabuli_chr02	31617415	CC	TT	1940156036
SNP_P1_31917_31617875	NC_021161.1	Ca_kabuli_chr02	31617875	AA	GG	1940156037
SNP_P1_31918_31617939	NC_021161.1	Ca_kabuli_chr02	31617939	CC	TT	1940156038
SNP_P1_31919_31617958	NC_021161.1	Ca_kabuli_chr02	31617958	CC	TT	1940156039
SNP_P1_31920_31618115	NC_021161.1	Ca_kabuli_chr02	31618115	AA	TT	1940156040
SNP_P1_31921_31618119	NC_021161.1	Ca_kabuli_chr02	31618119	TT	AA	1940156041
SNP_P1_31922_31618148	NC_021161.1	Ca_kabuli_chr02	31618148	CC	TT	1940156042
SNP_P1_31923_31618311	NC_021161.1	Ca_kabuli_chr02	31618311	AA	GG	1940156043
SNP_P1_31924_31618392	NC_021161.1	Ca_kabuli_chr02	31618392	GG	AA	1940156044
SNP_P1_31925_31618426	NC_021161.1	Ca_kabuli_chr02	31618426	GG	TT	1940156045
SNP_P1_31927_31623166	NC_021161.1	Ca_kabuli_chr02	31623166	AA	TT	1940156046
SNP_P1_31929_31624452	NC_021161.1	Ca_kabuli_chr02	31624452	GG	TT	1940156047
SNP_P1_31931_31626090	NC_021161.1	Ca_kabuli_chr02	31626090	CC	TT	1940156049
SNP_P1_31932_31626221	NC_021161.1	Ca_kabuli_chr02	31626221	AA	GG	1940156050
SNP_P1_31933_31626235	NC_021161.1	Ca_kabuli_chr02	31626235	AA	GG	1940156051
SNP_P1_31934_31626868	NC_021161.1	Ca_kabuli_chr02	31626868	CC	TT	1940156052
SNP_P1_31935_31626904	NC_021161.1	Ca_kabuli_chr02	31626904	CC	TT	1940156053
SNP_P1_31936_31628134	NC_021161.1	Ca_kabuli_chr02	31628134	TT	AA	1940156054
SNP_P1_31937_31629103	NC_021161.1	Ca_kabuli_chr02	31629103	AA	GG	1940156055
SNP_P1_31938_31629143	NC_021161.1	Ca_kabuli_chr02	31629143	TT	AA	1940156056
SNP_P1_31939_31629198	NC_021161.1	Ca_kabuli_chr02	31629198	TT	AA	1940156057

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_31940_31629245	NC_021161.1	Ca_kabuli_chr02	31629245	TT	AA	1940156058
SNP_P1_31941_31629368	NC_021161.1	Ca_kabuli_chr02	31629368	AA	CC	1940156059
SNP_P1_31942_31629580	NC_021161.1	Ca_kabuli_chr02	31629580	GG	CC	1940156060
SNP_P1_31943_31630437	NC_021161.1	Ca_kabuli_chr02	31630437	CC	AA	1940156061
SNP_P1_31944_31631647	NC_021161.1	Ca_kabuli_chr02	31631647	CC	TT	1940156062
SNP_P1_31945_31631852	NC_021161.1	Ca_kabuli_chr02	31631852	CC	TT	1940156063
SNP_P1_31946_31631946	NC_021161.1	Ca_kabuli_chr02	31631946	GG	AA	1940156064
SNP_P1_31947_31632187	NC_021161.1	Ca_kabuli_chr02	31632187	GG	TT	1940156065
SNP_P1_31948_31632246	NC_021161.1	Ca_kabuli_chr02	31632246	GG	TT	1940156066
SNP_P1_31949_31632344	NC_021161.1	Ca_kabuli_chr02	31632344	AA	CC	1940156067
SNP_P1_31950_31632574	NC_021161.1	Ca_kabuli_chr02	31632574	GG	AA	1940156068
SNP_P1_31951_31632598	NC_021161.1	Ca_kabuli_chr02	31632598	TT	GG	1940156069
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SNP_P1_31953_31633564	NC_021161.1	Ca_kabuli_chr02	31633564	TT	AA	1940156071
SNP_P1_31954_31633593	NC_021161.1	Ca_kabuli_chr02	31633593	AA	GG	1940156072
SNP_P1_31956_31634234	NC_021161.1	Ca_kabuli_chr02	31634234	CC	TT	1940156073
SNP_P1_31957_31635612	NC_021161.1	Ca_kabuli_chr02	31635612	AA	GG	1940156074
SNP_P1_31958_31635630	NC_021161.1	Ca_kabuli_chr02	31635630	TT	CC	1940156075
SNP_P1_31959_31636072	NC_021161.1	Ca_kabuli_chr02	31636072	GG	TT	1940156076
SNP_P1_31960_31636083	NC_021161.1	Ca_kabuli_chr02	31636083	CC	GG	1940156077
SNP_P1_31961_31636234	NC_021161.1	Ca_kabuli_chr02	31636234	AA	GG	1940156078
SNP_P1_31963_31636765	NC_021161.1	Ca_kabuli_chr02	31636765	GG	AA	1940156079
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SNP_P1_31965_31640195	NC_021161.1	Ca_kabuli_chr02	31640195	TT	AA	1940156081
SNP_P1_31966_31640449	NC_021161.1	Ca_kabuli_chr02	31640449	AA	GG	1940156082
SNP_P1_31967_31642343	NC_021161.1	Ca_kabuli_chr02	31642343	TT	GG	1940156083
SNP_P1_31968_31642894	NC_021161.1	Ca_kabuli_chr02	31642894	GG	TT	1940156085
SNP_P1_31969_31642932	NC_021161.1	Ca_kabuli_chr02	31642932	GG	AA	1940156086
SNP_P1_31970_31644049	NC_021161.1	Ca_kabuli_chr02	31644049	TT	GG	1940156087
SNP_P1_31971_31653414	NC_021161.1	Ca_kabuli_chr02	31653414	CC	TT	1940156088
SNP_P1_31972_31655713	NC_021161.1	Ca_kabuli_chr02	31655713	AA	GG	1940156089
SNP_P1_31976_31672031	NC_021161.1	Ca_kabuli_chr02	31672031	GG	AA	1940156090
SNP_P1_31977_31672543	NC_021161.1	Ca_kabuli_chr02	31672543	GG	AA	1940156091
SNP_P1_31978_31672544	NC_021161.1	Ca_kabuli_chr02	31672544	TT	CC	1940156092
SNP_P1_31979_31672558	NC_021161.1	Ca_kabuli_chr02	31672558	GG	AA	1940156093
SNP_P1_31980_31672573	NC_021161.1	Ca_kabuli_chr02	31672573	GG	AA	1940156094
SNP_P1_31981_31672585	NC_021161.1	Ca_kabuli_chr02	31672585	TT	CC	1940156095
SNP_P1_31982_31672590	NC_021161.1	Ca_kabuli_chr02	31672590	CC	AA	1940156096
SNP_P1_31983_31672594	NC_021161.1	Ca_kabuli_chr02	31672594	AA	GG	1940156097
SNP_P1_31984_31673609	NC_021161.1	Ca_kabuli_chr02	31673609	AA	GG	1940156098
SNP_P1_31985_31673833	NC_021161.1	Ca_kabuli_chr02	31673833	TT	AA	1940156099
SNP_P1_31986_31676167	NC_021161.1	Ca_kabuli_chr02	31676167	GG	AA	1940156100

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_31988_31677905	NC_021161.1	Ca_kabuli_chr02	31677905	CC	TT	1940156102
SNP_P1_31989_31677920	NC_021161.1	Ca_kabuli_chr02	31677920	TT	CC	1940156103
SNP_P1_31990_31677922	NC_021161.1	Ca_kabuli_chr02	31677922	AA	GG	1940156104
SNP_P1_31991_31677935	NC_021161.1	Ca_kabuli_chr02	31677935	GG	TT	1940156105
SNP_P1_31993_31678700	NC_021161.1	Ca_kabuli_chr02	31678700	GG	AA	1940156106
SNP_P1_31994_31678858	NC_021161.1	Ca_kabuli_chr02	31678858	GG	AA	1940156107
SNP_P1_31995_31678865	NC_021161.1	Ca_kabuli_chr02	31678865	AA	GG	1940156108
SNP_P1_31996_31679277	NC_021161.1	Ca_kabuli_chr02	31679277	GG	AA	1940156109
SNP_P1_31997_31679338	NC_021161.1	Ca_kabuli_chr02	31679338	AA	TT	1940156110
SNP_P1_31998_31679350	NC_021161.1	Ca_kabuli_chr02	31679350	CC	TT	1940156111
SNP_P1_31999_31679391	NC_021161.1	Ca_kabuli_chr02	31679391	GG	AA	1940156112
SNP_P1_32000_31679402	NC_021161.1	Ca_kabuli_chr02	31679402	AA	GG	1940156113
SNP_P1_32001_31679633	NC_021161.1	Ca_kabuli_chr02	31679633	CC	TT	1940156114
SNP_P1_32002_31679645	NC_021161.1	Ca_kabuli_chr02	31679645	TT	GG	1940156115
SNP_P1_32004_31681019	NC_021161.1	Ca_kabuli_chr02	31681019	GG	AA	1940156116
SNP_P1_32005_31682912	NC_021161.1	Ca_kabuli_chr02	31682912	GG	AA	1940156117
SNP_P1_32007_31683342	NC_021161.1	Ca_kabuli_chr02	31683342	AA	GG	1940156118
SNP_P1_32008_31683376	NC_021161.1	Ca_kabuli_chr02	31683376	GG	CC	1940156119
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SNP_P1_32011_31685332	NC_021161.1	Ca_kabuli_chr02	31685332	AA	GG	1940156122
SNP_P1_32012_31685359	NC_021161.1	Ca_kabuli_chr02	31685359	GG	AA	1940156124
SNP_P1_32013_31685423	NC_021161.1	Ca_kabuli_chr02	31685423	AA	TT	1940156125
SNP_P1_32015_31685476	NC_021161.1	Ca_kabuli_chr02	31685476	AA	GG	1940156126
SNP_P1_32016_31685634	NC_021161.1	Ca_kabuli_chr02	31685634	TT	CC	1940156127
SNP_P1_32017_31685635	NC_021161.1	Ca_kabuli_chr02	31685635	CC	TT	1940156128
SNP_P1_32018_31685646	NC_021161.1	Ca_kabuli_chr02	31685646	GG	AA	1940156129
SNP_P1_32019_31685879	NC_021161.1	Ca_kabuli_chr02	31685879	TT	CC	1940156130
SNP_P1_32020_31686031	NC_021161.1	Ca_kabuli_chr02	31686031	AA	GG	1940156131
SNP_P1_32021_31688095	NC_021161.1	Ca_kabuli_chr02	31688095	TT	CC	1940156132
SNP_P1_32022_31688100	NC_021161.1	Ca_kabuli_chr02	31688100	TT	CC	1940156133
SNP_P1_32024_31688377	NC_021161.1	Ca_kabuli_chr02	31688377	GG	AA	1940156134
SNP_P1_32025_31688526	NC_021161.1	Ca_kabuli_chr02	31688526	CC	AA	1940156135
SNP_P1_32027_31688890	NC_021161.1	Ca_kabuli_chr02	31688890	CC	AA	1940156136
SNP_P1_32029_31693022	NC_021161.1	Ca_kabuli_chr02	31693022	TT	CC	1940156137
SNP_P1_32031_31693088	NC_021161.1	Ca_kabuli_chr02	31693088	TT	CC	1940156138
SNP_P1_32032_31693575	NC_021161.1	Ca_kabuli_chr02	31693575	GG	AA	1940156139
SNP_P1_32034_31694458	NC_021161.1	Ca_kabuli_chr02	31694458	TT	AA	1940156140
SNP_P1_32035_31694657	NC_021161.1	Ca_kabuli_chr02	31694657	AA	GG	1940156141
SNP_P1_32036_31694708	NC_021161.1	Ca_kabuli_chr02	31694708	GG	AA	1940156142
SNP_P1_32038_31694895	NC_021161.1	Ca_kabuli_chr02	31694895	CC	TT	1940156143

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32041_31697116	NC_021161.1	Ca_kabuli_chr02	31697116	GG	TT	1940156145
SNP_P1_32042_31698545	NC_021161.1	Ca_kabuli_chr02	31698545	AA	TT	1940156146
SNP_P1_32043_31698550	NC_021161.1	Ca_kabuli_chr02	31698550	CC	AA	1940156147
SNP_P1_32044_31698846	NC_021161.1	Ca_kabuli_chr02	31698846	TT	CC	1940156148
SNP_P1_32045_31698902	NC_021161.1	Ca_kabuli_chr02	31698902	CC	TT	1940156149
SNP_P1_32046_31699256	NC_021161.1	Ca_kabuli_chr02	31699256	AA	CC	1940156150
SNP_P1_32047_31699819	NC_021161.1	Ca_kabuli_chr02	31699819	TT	CC	1940156151
SNP_P1_32048_31699935	NC_021161.1	Ca_kabuli_chr02	31699935	GG	AA	1940156152
SNP_P1_32049_31701012	NC_021161.1	Ca_kabuli_chr02	31701012	AA	TT	1940156153
SNP_P1_32050_31701016	NC_021161.1	Ca_kabuli_chr02	31701016	CC	TT	1940156154
SNP_P1_32051_31701677	NC_021161.1	Ca_kabuli_chr02	31701677	TT	CC	1940156155
SNP_P1_32052_31702013	NC_021161.1	Ca_kabuli_chr02	31702013	AA	GG	1940156157
SNP_P1_32053_31702166	NC_021161.1	Ca_kabuli_chr02	31702166	AA	GG	1940156158
SNP_P1_32054_31702496	NC_021161.1	Ca_kabuli_chr02	31702496	TT	CC	1940156159
SNP_P1_32055_31703482	NC_021161.1	Ca_kabuli_chr02	31703482	CC	TT	1940156160
SNP_P1_32056_31703668	NC_021161.1	Ca_kabuli_chr02	31703668	AA	CC	1940156161
SNP_P1_32057_31703780	NC_021161.1	Ca_kabuli_chr02	31703780	GG	TT	1940156162
SNP_P1_32058_31703790	NC_021161.1	Ca_kabuli_chr02	31703790	GG	CC	1940156163
SNP_P1_32059_31704107	NC_021161.1	Ca_kabuli_chr02	31704107	GG	AA	1940156164
SNP_P1_32060_31704336	NC_021161.1	Ca_kabuli_chr02	31704336	CC	AA	1940156165
SNP_P1_32061_31713131	NC_021161.1	Ca_kabuli_chr02	31713131	TT	AA	1940156166
SNP_P1_32063_31713692	NC_021161.1	Ca_kabuli_chr02	31713692	GG	AA	1940156167
SNP_P1_32064_31713706	NC_021161.1	Ca_kabuli_chr02	31713706	CC	TT	1940156168
SNP_P1_32065_31713743	NC_021161.1	Ca_kabuli_chr02	31713743	GG	AA	1940156169
SNP_P1_32066_31714007	NC_021161.1	Ca_kabuli_chr02	31714007	GG	AA	1940156170
SNP_P1_32067_31714046	NC_021161.1	Ca_kabuli_chr02	31714046	AA	GG	1940156171
SNP_P1_32068_31714114	NC_021161.1	Ca_kabuli_chr02	31714114	TT	AA	1940156172
SNP_P1_32070_31714293	NC_021161.1	Ca_kabuli_chr02	31714293	CC	TT	1940156173
SNP_P1_32071_31714402	NC_021161.1	Ca_kabuli_chr02	31714402	TT	CC	1940156174
SNP_P1_32072_31714552	NC_021161.1	Ca_kabuli_chr02	31714552	TT	CC	1940156175
SNP_P1_32073_31715458	NC_021161.1	Ca_kabuli_chr02	31715458	CC	TT	1940156176
SNP_P1_32074_31715498	NC_021161.1	Ca_kabuli_chr02	31715498	AA	GG	1940156177
SNP_P1_32075_31715511	NC_021161.1	Ca_kabuli_chr02	31715511	GG	AA	1940156178
SNP_P1_32076_31715520	NC_021161.1	Ca_kabuli_chr02	31715520	TT	GG	1940156179
SNP_P1_32077_31715544	NC_021161.1	Ca_kabuli_chr02	31715544	CC	TT	1940156180
SNP_P1_32078_31715571	NC_021161.1	Ca_kabuli_chr02	31715571	GG	AA	1940156181
SNP_P1_32079_31715575	NC_021161.1	Ca_kabuli_chr02	31715575	GG	AA	1940156182
SNP_P1_32081_31716463	NC_021161.1	Ca_kabuli_chr02	31716463	TT	CC	1940156183
SNP_P1_32082_31716465	NC_021161.1	Ca_kabuli_chr02	31716465	AA	TT	1940156184
SNP_P1_32083_31716488	NC_021161.1	Ca_kabuli_chr02	31716488	AA	TT	1940156185
SNP_P1_32084_31716489	NC_021161.1	Ca_kabuli_chr02	31716489	CC	TT	1940156186

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32086_31717044	NC_021161.1	Ca_kabuli_chr02	31717044	TT	AA	1940156188
SNP_P1_32087_31717301	NC_021161.1	Ca_kabuli_chr02	31717301	CC	GG	1940156189
SNP_P1_32088_31717341	NC_021161.1	Ca_kabuli_chr02	31717341	AA	CC	1940156190
SNP_P1_32090_31718794	NC_021161.1	Ca_kabuli_chr02	31718794	TT	GG	1940156191
SNP_P1_32091_31720020	NC_021161.1	Ca_kabuli_chr02	31720020	TT	GG	1940156192
SNP_P1_32092_31720039	NC_021161.1	Ca_kabuli_chr02	31720039	TT	CC	1940156193
SNP_P1_32093_31720075	NC_021161.1	Ca_kabuli_chr02	31720075	AA	GG	1940156194
SNP_P1_32094_31720133	NC_021161.1	Ca_kabuli_chr02	31720133	TT	CC	1940156195
SNP_P1_32095_31720442	NC_021161.1	Ca_kabuli_chr02	31720442	TT	CC	1940156196
SNP_P1_32096_31720472	NC_021161.1	Ca_kabuli_chr02	31720472	AA	GG	1940156197
SNP_P1_32098_31725727	NC_021161.1	Ca_kabuli_chr02	31725727	TT	AA	1940156198
SNP_P1_32099_31725748	NC_021161.1	Ca_kabuli_chr02	31725748	GG	CC	1940156199
SNP_P1_32100_31726844	NC_021161.1	Ca_kabuli_chr02	31726844	TT	GG	1940156200
SNP_P1_32101_31726889	NC_021161.1	Ca_kabuli_chr02	31726889	AA	GG	1940156201
SNP_P1_32102_31726946	NC_021161.1	Ca_kabuli_chr02	31726946	CC	TT	1940156202
SNP_P1_32103_31726962	NC_021161.1	Ca_kabuli_chr02	31726962	CC	GG	1940156203
SNP_P1_32104_31728089	NC_021161.1	Ca_kabuli_chr02	31728089	GG	CC	1940156204
SNP_P1_32105_31728189	NC_021161.1	Ca_kabuli_chr02	31728189	CC	AA	1940156205
SNP_P1_32106_31729204	NC_021161.1	Ca_kabuli_chr02	31729204	AA	GG	1940156207
SNP_P1_32107_31729829	NC_021161.1	Ca_kabuli_chr02	31729829	CC	GG	1940156208
SNP_P1_32109_31730684	NC_021161.1	Ca_kabuli_chr02	31730684	AA	CC	1940156209
SNP_P1_32110_31730709	NC_021161.1	Ca_kabuli_chr02	31730709	GG	AA	1940156210
SNP_P1_32111_31730713	NC_021161.1	Ca_kabuli_chr02	31730713	AA	GG	1940156211
SNP_P1_32112_31730722	NC_021161.1	Ca_kabuli_chr02	31730722	AA	CC	1940156212
SNP_P1_32113_31730963	NC_021161.1	Ca_kabuli_chr02	31730963	TT	CC	1940156213
SNP_P1_32114_31730997	NC_021161.1	Ca_kabuli_chr02	31730997	TT	CC	1940156214
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SNP_P1_32116_31731156	NC_021161.1	Ca_kabuli_chr02	31731156	GG	TT	1940156216
SNP_P1_32117_31731190	NC_021161.1	Ca_kabuli_chr02	31731190	GG	AA	1940156217
SNP_P1_32118_31731220	NC_021161.1	Ca_kabuli_chr02	31731220	GG	TT	1940156218
SNP_P1_32119_31731293	NC_021161.1	Ca_kabuli_chr02	31731293	GG	AA	1940156219
SNP_P1_32120_31731765	NC_021161.1	Ca_kabuli_chr02	31731765	GG	AA	1940156220
SNP_P1_32121_31731772	NC_021161.1	Ca_kabuli_chr02	31731772	TT	CC	1940156221
SNP_P1_32122_31731975	NC_021161.1	Ca_kabuli_chr02	31731975	CC	AA	1940156222
SNP_P1_32123_31732016	NC_021161.1	Ca_kabuli_chr02	31732016	CC	TT	1940156223
SNP_P1_32125_31732543	NC_021161.1	Ca_kabuli_chr02	31732543	TT	AA	1940156224
SNP_P1_32126_31732544	NC_021161.1	Ca_kabuli_chr02	31732544	AA	GG	1940156225
SNP_P1_32127_31732635	NC_021161.1	Ca_kabuli_chr02	31732635	AA	GG	1940156226
SNP_P1_32128_31732638	NC_021161.1	Ca_kabuli_chr02	31732638	TT	CC	1940156227
SNP_P1_32129_31732770	NC_021161.1	Ca_kabuli_chr02	31732770	CC	GG	1940156228
SNP_P1_32130_31732784	NC_021161.1	Ca_kabuli_chr02	31732784	AA	CC	1940156229

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32132_31732934	NC_021161.1	Ca_kabuli_chr02	31732934	CC	AA	1940156231
SNP_P1_32133_31734141	NC_021161.1	Ca_kabuli_chr02	31734141	AA	GG	1940156232
SNP_P1_32134_31734795	NC_021161.1	Ca_kabuli_chr02	31734795	CC	AA	1940156233
SNP_P1_32135_31734909	NC_021161.1	Ca_kabuli_chr02	31734909	AA	GG	1940156234
SNP_P1_32136_31734931	NC_021161.1	Ca_kabuli_chr02	31734931	TT	CC	1940156235
SNP_P1_32137_31735265	NC_021161.1	Ca_kabuli_chr02	31735265	TT	CC	1940156236
SNP_P1_32138_31735266	NC_021161.1	Ca_kabuli_chr02	31735266	GG	AA	1940156237
SNP_P1_32139_31735877	NC_021161.1	Ca_kabuli_chr02	31735877	CC	TT	1940156238
SNP_P1_32140_31736450	NC_021161.1	Ca_kabuli_chr02	31736450	GG	AA	1940156239
SNP_P1_32141_31736523	NC_021161.1	Ca_kabuli_chr02	31736523	GG	AA	1940156240
SNP_P1_32142_31736816	NC_021161.1	Ca_kabuli_chr02	31736816	CC	AA	1940156241
SNP_P1_32143_31736844	NC_021161.1	Ca_kabuli_chr02	31736844	GG	TT	1940156242
SNP_P1_32144_31737127	NC_021161.1	Ca_kabuli_chr02	31737127	GG	AA	1940156243
SNP_P1_32145_31737371	NC_021161.1	Ca_kabuli_chr02	31737371	AA	CC	1940156244
SNP_P1_32146_31738009	NC_021161.1	Ca_kabuli_chr02	31738009	CC	TT	1940156245
SNP_P1_32147_31738015	NC_021161.1	Ca_kabuli_chr02	31738015	GG	AA	1940156246
SNP_P1_32148_31738341	NC_021161.1	Ca_kabuli_chr02	31738341	GG	AA	1940156247
SNP_P1_32149_31738603	NC_021161.1	Ca_kabuli_chr02	31738603	CC	TT	1940156248
SNP_P1_32150_31738616	NC_021161.1	Ca_kabuli_chr02	31738616	TT	CC	1940156250
SNP_P1_32151_31738621	NC_021161.1	Ca_kabuli_chr02	31738621	GG	AA	1940156251
SNP_P1_32152_31738641	NC_021161.1	Ca_kabuli_chr02	31738641	TT	CC	1940156252
SNP_P1_32153_31738812	NC_021161.1	Ca_kabuli_chr02	31738812	AA	GG	1940156253
SNP_P1_32154_31739023	NC_021161.1	Ca_kabuli_chr02	31739023	CC	TT	1940156254
SNP_P1_32155_31739109	NC_021161.1	Ca_kabuli_chr02	31739109	CC	TT	1940156255
SNP_P1_32156_31739141	NC_021161.1	Ca_kabuli_chr02	31739141	GG	AA	1940156256
SNP_P1_32157_31739183	NC_021161.1	Ca_kabuli_chr02	31739183	AA	TT	1940156257
SNP_P1_32158_31739440	NC_021161.1	Ca_kabuli_chr02	31739440	TT	CC	1940156258
SNP_P1_32159_31739924	NC_021161.1	Ca_kabuli_chr02	31739924	GG	AA	1940156259
SNP_P1_32160_31740302	NC_021161.1	Ca_kabuli_chr02	31740302	CC	TT	1940156260
SNP_P1_32161_31740532	NC_021161.1	Ca_kabuli_chr02	31740532	TT	GG	1940156261
SNP_P1_32162_31741134	NC_021161.1	Ca_kabuli_chr02	31741134	AA	TT	1940156262
SNP_P1_32163_31741459	NC_021161.1	Ca_kabuli_chr02	31741459	AA	GG	1940156263
SNP_P1_32164_31741724	NC_021161.1	Ca_kabuli_chr02	31741724	AA	GG	1940156264
SNP_P1_32165_31742107	NC_021161.1	Ca_kabuli_chr02	31742107	AA	GG	1940156265
SNP_P1_32166_31742137	NC_021161.1	Ca_kabuli_chr02	31742137	CC	TT	1940156266
SNP_P1_32167_31743969	NC_021161.1	Ca_kabuli_chr02	31743969	AA	GG	1940156267
SNP_P1_32169_31744924	NC_021161.1	Ca_kabuli_chr02	31744924	AA	GG	1940156268
SNP_P1_32170_31745662	NC_021161.1	Ca_kabuli_chr02	31745662	AA	CC	1940156269
SNP_P1_32174_31747305	NC_021161.1	Ca_kabuli_chr02	31747305	CC	AA	1940156270
SNP_P1_32175_31747813	NC_021161.1	Ca_kabuli_chr02	31747813	AA	GG	1940156271
SNP_P1_32176_31748085	NC_021161.1	Ca_kabuli_chr02	31748085	AA	GG	1940156272

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32178_31751643	NC_021161.1	Ca_kabuli_chr02	31751643	CC	TT	1940156274
SNP_P1_32179_31751645	NC_021161.1	Ca_kabuli_chr02	31751645	TT	GG	1940156275
SNP_P1_32180_31752838	NC_021161.1	Ca_kabuli_chr02	31752838	TT	GG	1940156276
SNP_P1_32181_31752912	NC_021161.1	Ca_kabuli_chr02	31752912	AA	GG	1940156277
SNP_P1_32183_31754341	NC_021161.1	Ca_kabuli_chr02	31754341	CC	GG	1940156278
SNP_P1_32184_31754343	NC_021161.1	Ca_kabuli_chr02	31754343	AA	GG	1940156279
SNP_P1_32185_31754985	NC_021161.1	Ca_kabuli_chr02	31754985	AA	GG	1940156280
SNP_P1_32186_31755488	NC_021161.1	Ca_kabuli_chr02	31755488	TT	AA	1940156281
SNP_P1_32187_31757134	NC_021161.1	Ca_kabuli_chr02	31757134	CC	TT	1940156282
SNP_P1_32188_31757453	NC_021161.1	Ca_kabuli_chr02	31757453	AA	CC	1940156283
SNP_P1_32191_31759841	NC_021161.1	Ca_kabuli_chr02	31759841	AA	GG	1940156284
SNP_P1_32192_31760293	NC_021161.1	Ca_kabuli_chr02	31760293	AA	GG	1940156285
SNP_P1_32193_31760307	NC_021161.1	Ca_kabuli_chr02	31760307	TT	CC	1940156286
SNP_P1_32194_31761404	NC_021161.1	Ca_kabuli_chr02	31761404	TT	AA	1940156287
SNP_P1_32195_31761851	NC_021161.1	Ca_kabuli_chr02	31761851	AA	GG	1940156288
SNP_P1_32196_31761955	NC_021161.1	Ca_kabuli_chr02	31761955	GG	CC	1940156289
SNP_P1_32197_31762065	NC_021161.1	Ca_kabuli_chr02	31762065	AA	GG	1940156290
SNP_P1_32198_31762092	NC_021161.1	Ca_kabuli_chr02	31762092	GG	AA	1940156291
SNP_P1_32199_31762293	NC_021161.1	Ca_kabuli_chr02	31762293	TT	CC	1940156292
SNP_P1_32200_31762610	NC_021161.1	Ca_kabuli_chr02	31762610	TT	CC	1940156293
SNP_P1_32201_31762631	NC_021161.1	Ca_kabuli_chr02	31762631	CC	TT	1940156294
SNP_P1_32202_31767056	NC_021161.1	Ca_kabuli_chr02	31767056	CC	GG	1940156295
SNP_P1_32203_31767111	NC_021161.1	Ca_kabuli_chr02	31767111	AA	CC	1940156296
SNP_P1_32204_31772604	NC_021161.1	Ca_kabuli_chr02	31772604	AA	GG	1940156298
SNP_P1_32205_31772893	NC_021161.1	Ca_kabuli_chr02	31772893	CC	AA	1940156299
SNP_P1_32206_31780231	NC_021161.1	Ca_kabuli_chr02	31780231	TT	CC	1940156300
SNP_P1_32207_31780399	NC_021161.1	Ca_kabuli_chr02	31780399	CC	TT	1940156301
SNP_P1_32208_31780493	NC_021161.1	Ca_kabuli_chr02	31780493	AA	CC	1940156302
SNP_P1_32209_31780704	NC_021161.1	Ca_kabuli_chr02	31780704	CC	AA	1940156303
SNP_P1_32210_31780987	NC_021161.1	Ca_kabuli_chr02	31780987	AA	CC	1940156304
SNP_P1_32212_31781584	NC_021161.1	Ca_kabuli_chr02	31781584	TT	GG	1940156305
SNP_P1_32213_31781961	NC_021161.1	Ca_kabuli_chr02	31781961	CC	AA	1940156306
SNP_P1_32214_31782054	NC_021161.1	Ca_kabuli_chr02	31782054	TT	CC	1940156307
SNP_P1_32215_31782362	NC_021161.1	Ca_kabuli_chr02	31782362	AA	GG	1940156308
SNP_P1_32216_31783058	NC_021161.1	Ca_kabuli_chr02	31783058	AA	CC	1940156309
SNP_P1_32217_31783394	NC_021161.1	Ca_kabuli_chr02	31783394	CC	GG	1940156310
SNP_P1_32218_31783506	NC_021161.1	Ca_kabuli_chr02	31783506	AA	CC	1940156311
SNP_P1_32219_31783576	NC_021161.1	Ca_kabuli_chr02	31783576	CC	AA	1940156312
SNP_P1_32220_31784315	NC_021161.1	Ca_kabuli_chr02	31784315	TT	GG	1940156313
SNP_P1_32221_31784537	NC_021161.1	Ca_kabuli_chr02	31784537	AA	GG	1940156314
SNP_P1_32222_31786507	NC_021161.1	Ca_kabuli_chr02	31786507	TT	AA	1940156315

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32224_31786587	NC_021161.1	Ca_kabuli_chr02	31786587	GG	AA	1940156317
SNP_P1_32225_31786751	NC_021161.1	Ca_kabuli_chr02	31786751	GG	CC	1940156318
SNP_P1_32226_31788052	NC_021161.1	Ca_kabuli_chr02	31788052	AA	TT	1940156319
SNP_P1_32227_31788320	NC_021161.1	Ca_kabuli_chr02	31788320	GG	CC	1940156320
SNP_P1_32228_31788326	NC_021161.1	Ca_kabuli_chr02	31788326	AA	GG	1940156321
SNP_P1_32230_31789273	NC_021161.1	Ca_kabuli_chr02	31789273	TT	CC	1940156322
SNP_P1_32231_31789702	NC_021161.1	Ca_kabuli_chr02	31789702	TT	AA	1940156323
SNP_P1_32232_31789789	NC_021161.1	Ca_kabuli_chr02	31789789	GG	AA	1940156324
SNP_P1_32233_31789799	NC_021161.1	Ca_kabuli_chr02	31789799	AA	GG	1940156325
SNP_P1_32234_31790914	NC_021161.1	Ca_kabuli_chr02	31790914	TT	GG	1940156326
SNP_P1_32235_31791103	NC_021161.1	Ca_kabuli_chr02	31791103	TT	CC	1940156327
SNP_P1_32236_31791133	NC_021161.1	Ca_kabuli_chr02	31791133	TT	CC	1940156328
SNP_P1_32237_31791533	NC_021161.1	Ca_kabuli_chr02	31791533	TT	GG	1940156329
SNP_P1_32238_31792103	NC_021161.1	Ca_kabuli_chr02	31792103	AA	GG	1940156330
SNP_P1_32239_31793088	NC_021161.1	Ca_kabuli_chr02	31793088	TT	CC	1940156331
SNP_P1_32240_31793137	NC_021161.1	Ca_kabuli_chr02	31793137	AA	GG	1940156332
SNP_P1_32241_31793347	NC_021161.1	Ca_kabuli_chr02	31793347	TT	CC	1940156333
SNP_P1_32242_31793356	NC_021161.1	Ca_kabuli_chr02	31793356	AA	GG	1940156334
SNP_P1_32243_31793365	NC_021161.1	Ca_kabuli_chr02	31793365	AA	TT	1940156335
SNP_P1_32244_31793373	NC_021161.1	Ca_kabuli_chr02	31793373	GG	AA	1940156336
SNP_P1_32245_31793455	NC_021161.1	Ca_kabuli_chr02	31793455	CC	GG	1940156337
SNP_P1_32246_31793460	NC_021161.1	Ca_kabuli_chr02	31793460	CC	GG	1940156338
SNP_P1_32247_31793660	NC_021161.1	Ca_kabuli_chr02	31793660	AA	GG	1940156339
SNP_P1_32248_31793704	NC_021161.1	Ca_kabuli_chr02	31793704	AA	CC	1940156340
SNP_P1_32250_31793821	NC_021161.1	Ca_kabuli_chr02	31793821	TT	CC	1940156341
SNP_P1_32251_31793851	NC_021161.1	Ca_kabuli_chr02	31793851	TT	CC	1940156342
SNP_P1_32252_31793853	NC_021161.1	Ca_kabuli_chr02	31793853	CC	TT	1940156343
SNP_P1_32253_31794021	NC_021161.1	Ca_kabuli_chr02	31794021	AA	TT	1940156344
SNP_P1_32254_31794042	NC_021161.1	Ca_kabuli_chr02	31794042	GG	CC	1940156345
SNP_P1_32256_31794124	NC_021161.1	Ca_kabuli_chr02	31794124	TT	AA	1940156347
SNP_P1_32257_31794129	NC_021161.1	Ca_kabuli_chr02	31794129	GG	AA	1940156348
SNP_P1_32258_31794186	NC_021161.1	Ca_kabuli_chr02	31794186	GG	TT	1940156349
SNP_P1_32259_31794197	NC_021161.1	Ca_kabuli_chr02	31794197	CC	TT	1940156350
SNP_P1_32260_31794222	NC_021161.1	Ca_kabuli_chr02	31794222	CC	AA	1940156351
SNP_P1_32261_31794246	NC_021161.1	Ca_kabuli_chr02	31794246	CC	TT	1940156352
SNP_P1_32262_31794292	NC_021161.1	Ca_kabuli_chr02	31794292	GG	AA	1940156353
SNP_P1_32264_31794962	NC_021161.1	Ca_kabuli_chr02	31794962	TT	AA	1940156354
SNP_P1_32266_31795823	NC_021161.1	Ca_kabuli_chr02	31795823	TT	CC	1940156355
SNP_P1_32267_31795873	NC_021161.1	Ca_kabuli_chr02	31795873	CC	TT	1940156356
SNP_P1_32268_31795878	NC_021161.1	Ca_kabuli_chr02	31795878	CC	TT	1940156357
SNP_P1_32269_31796585	NC_021161.1	Ca_kabuli_chr02	31796585	TT	AA	1940156358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32271_31797138	NC_021161.1	Ca_kabuli_chr02	31797138	GG	AA	1940156360
SNP_P1_32272_31797517	NC_021161.1	Ca_kabuli_chr02	31797517	CC	TT	1940156361
SNP_P1_32273_31797681	NC_021161.1	Ca_kabuli_chr02	31797681	AA	GG	1940156362
SNP_P1_32274_31797739	NC_021161.1	Ca_kabuli_chr02	31797739	GG	AA	1940156363
SNP_P1_32275_31798977	NC_021161.1	Ca_kabuli_chr02	31798977	TT	GG	1940156364
SNP_P1_32276_31799242	NC_021161.1	Ca_kabuli_chr02	31799242	GG	AA	1940156365
SNP_P1_32278_31799287	NC_021161.1	Ca_kabuli_chr02	31799287	TT	CC	1940156366
SNP_P1_32279_31799322	NC_021161.1	Ca_kabuli_chr02	31799322	TT	AA	1940156367
SNP_P1_32280_31800864	NC_021161.1	Ca_kabuli_chr02	31800864	AA	GG	1940156368
SNP_P1_32281_31805761	NC_021161.1	Ca_kabuli_chr02	31805761	TT	CC	1940156369
SNP_P1_32282_31805799	NC_021161.1	Ca_kabuli_chr02	31805799	CC	TT	1940156370
SNP_P1_32283_31806079	NC_021161.1	Ca_kabuli_chr02	31806079	TT	GG	1940156371
SNP_P1_32284_31806257	NC_021161.1	Ca_kabuli_chr02	31806257	GG	AA	1940156372
SNP_P1_32285_31806261	NC_021161.1	Ca_kabuli_chr02	31806261	CC	TT	1940156373
SNP_P1_32286_31806455	NC_021161.1	Ca_kabuli_chr02	31806455	CC	TT	1940156374
SNP_P1_32287_31810033	NC_021161.1	Ca_kabuli_chr02	31810033	AA	GG	1940156375
SNP_P1_32288_31811242	NC_021161.1	Ca_kabuli_chr02	31811242	CC	TT	1940156376
SNP_P1_32289_31811276	NC_021161.1	Ca_kabuli_chr02	31811276	GG	AA	1940156377
SNP_P1_32290_31811483	NC_021161.1	Ca_kabuli_chr02	31811483	CC	TT	1940156378
SNP_P1_32291_31812206	NC_021161.1	Ca_kabuli_chr02	31812206	CC	TT	1940156379
SNP_P1_32292_31812557	NC_021161.1	Ca_kabuli_chr02	31812557	TT	CC	1940156380
SNP_P1_32293_31812894	NC_021161.1	Ca_kabuli_chr02	31812894	CC	TT	1940156381
SNP_P1_32294_31812972	NC_021161.1	Ca_kabuli_chr02	31812972	CC	AA	1940156382
SNP_P1_32295_31813156	NC_021161.1	Ca_kabuli_chr02	31813156	GG	AA	1940156383
SNP_P1_32296_31813786	NC_021161.1	Ca_kabuli_chr02	31813786	GG	TT	1940156384
SNP_P1_32297_31813839	NC_021161.1	Ca_kabuli_chr02	31813839	AA	GG	1940156385
SNP_P1_32298_31813945	NC_021161.1	Ca_kabuli_chr02	31813945	GG	AA	1940156386
SNP_P1_32299_31814019	NC_021161.1	Ca_kabuli_chr02	31814019	CC	AA	1940156387
SNP_P1_32301_31814110	NC_021161.1	Ca_kabuli_chr02	31814110	CC	TT	1940156388
SNP_P1_32304_31814491	NC_021161.1	Ca_kabuli_chr02	31814491	CC	TT	1940156389
SNP_P1_32305_31814562	NC_021161.1	Ca_kabuli_chr02	31814562	AA	GG	1940156390
SNP_P1_32306_31814566	NC_021161.1	Ca_kabuli_chr02	31814566	CC	GG	1940156391
SNP_P1_32307_31814576	NC_021161.1	Ca_kabuli_chr02	31814576	CC	TT	1940156393
SNP_P1_32311_31815233	NC_021161.1	Ca_kabuli_chr02	31815233	CC	GG	1940156394
SNP_P1_32312_31815456	NC_021161.1	Ca_kabuli_chr02	31815456	GG	TT	1940156395
SNP_P1_32313_31815458	NC_021161.1	Ca_kabuli_chr02	31815458	AA	GG	1940156396
SNP_P1_32314_31815487	NC_021161.1	Ca_kabuli_chr02	31815487	AA	CC	1940156397
SNP_P1_32315_31815489	NC_021161.1	Ca_kabuli_chr02	31815489	CC	TT	1940156398
SNP_P1_32316_31815505	NC_021161.1	Ca_kabuli_chr02	31815505	TT	CC	1940156399
SNP_P1_32317_31815575	NC_021161.1	Ca_kabuli_chr02	31815575	TT	AA	1940156400
SNP_P1_32318_31815590	NC_021161.1	Ca_kabuli_chr02	31815590	TT	GG	1940156401

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32320_31815612	NC_021161.1	Ca_kabuli_chr02	31815612	TT	CC	1940156403
SNP_P1_32321_31816090	NC_021161.1	Ca_kabuli_chr02	31816090	CC	GG	1940156404
SNP_P1_32322_31816184	NC_021161.1	Ca_kabuli_chr02	31816184	CC	TT	1940156405
SNP_P1_32323_31816188	NC_021161.1	Ca_kabuli_chr02	31816188	AA	GG	1940156406
SNP_P1_32324_31816287	NC_021161.1	Ca_kabuli_chr02	31816287	CC	TT	1940156407
SNP_P1_32325_31816453	NC_021161.1	Ca_kabuli_chr02	31816453	GG	CC	1940156408
SNP_P1_32326_31816515	NC_021161.1	Ca_kabuli_chr02	31816515	TT	CC	1940156409
SNP_P1_32328_31816811	NC_021161.1	Ca_kabuli_chr02	31816811	TT	CC	1940156410
SNP_P1_32329_31816857	NC_021161.1	Ca_kabuli_chr02	31816857	GG	AA	1940156411
SNP_P1_32330_31816877	NC_021161.1	Ca_kabuli_chr02	31816877	CC	GG	1940156412
SNP_P1_32331_31816890	NC_021161.1	Ca_kabuli_chr02	31816890	GG	AA	1940156413
SNP_P1_32332_31817194	NC_021161.1	Ca_kabuli_chr02	31817194	TT	GG	1940156414
SNP_P1_32333_31817200	NC_021161.1	Ca_kabuli_chr02	31817200	CC	TT	1940156415
SNP_P1_32334_31817207	NC_021161.1	Ca_kabuli_chr02	31817207	AA	CC	1940156416
SNP_P1_32335_31817215	NC_021161.1	Ca_kabuli_chr02	31817215	TT	GG	1940156417
SNP_P1_32336_31817225	NC_021161.1	Ca_kabuli_chr02	31817225	TT	GG	1940156418
SNP_P1_32338_31819264	NC_021161.1	Ca_kabuli_chr02	31819264	TT	AA	1940156419
SNP_P1_32339_31819265	NC_021161.1	Ca_kabuli_chr02	31819265	TT	AA	1940156420
SNP_P1_32340_31819639	NC_021161.1	Ca_kabuli_chr02	31819639	AA	GG	1940156421
SNP_P1_32341_31821123	NC_021161.1	Ca_kabuli_chr02	31821123	AA	TT	1940156422
SNP_P1_32342_31821495	NC_021161.1	Ca_kabuli_chr02	31821495	TT	AA	1940156423
SNP_P1_32343_31821724	NC_021161.1	Ca_kabuli_chr02	31821724	GG	TT	1940156424
SNP_P1_32344_31821922	NC_021161.1	Ca_kabuli_chr02	31821922	TT	CC	1940156425
SNP_P1_32345_31821979	NC_021161.1	Ca_kabuli_chr02	31821979	GG	CC	1940156427
SNP_P1_32346_31822067	NC_021161.1	Ca_kabuli_chr02	31822067	TT	GG	1940156428
SNP_P1_32347_31822077	NC_021161.1	Ca_kabuli_chr02	31822077	TT	CC	1940156429
SNP_P1_32348_31822248	NC_021161.1	Ca_kabuli_chr02	31822248	TT	GG	1940156430
SNP_P1_32349_31822268	NC_021161.1	Ca_kabuli_chr02	31822268	AA	GG	1940156431
SNP_P1_32350_31822385	NC_021161.1	Ca_kabuli_chr02	31822385	TT	CC	1940156432
SNP_P1_32351_31822415	NC_021161.1	Ca_kabuli_chr02	31822415	TT	CC	1940156433
SNP_P1_32352_31822691	NC_021161.1	Ca_kabuli_chr02	31822691	GG	AA	1940156434
SNP_P1_32353_31822697	NC_021161.1	Ca_kabuli_chr02	31822697	GG	AA	1940156435
SNP_P1_32354_31823795	NC_021161.1	Ca_kabuli_chr02	31823795	CC	TT	1940156436
SNP_P1_32355_31823802	NC_021161.1	Ca_kabuli_chr02	31823802	GG	CC	1940156437
SNP_P1_32358_31824907	NC_021161.1	Ca_kabuli_chr02	31824907	AA	GG	1940156438
SNP_P1_32359_31825220	NC_021161.1	Ca_kabuli_chr02	31825220	AA	GG	1940156439
SNP_P1_32360_31825352	NC_021161.1	Ca_kabuli_chr02	31825352	GG	AA	1940156440
SNP_P1_32361_31826687	NC_021161.1	Ca_kabuli_chr02	31826687	TT	AA	1940156441
SNP_P1_32362_31827449	NC_021161.1	Ca_kabuli_chr02	31827449	CC	TT	1940156442
SNP_P1_32363_31827457	NC_021161.1	Ca_kabuli_chr02	31827457	AA	CC	1940156443
SNP_P1_32364_31827520	NC_021161.1	Ca_kabuli_chr02	31827520	TT	CC	1940156444

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_32365_31827873	NC_021161.1	Ca_kabuli_chr02	31827873	TT	AA	1940156445
SNP_P1_32367_31828381	NC_021161.1	Ca_kabuli_chr02	31828381	GG	CC	1940156446
SNP_P1_32369_31828557	NC_021161.1	Ca_kabuli_chr02	31828557	AA	TT	1940156447
SNP_P1_32370_31828569	NC_021161.1	Ca_kabuli_chr02	31828569	TT	CC	1940156448
SNP_P1_32371_31828585	NC_021161.1	Ca_kabuli_chr02	31828585	TT	CC	1940156449
SNP_P1_32372_31828628	NC_021161.1	Ca_kabuli_chr02	31828628	GG	AA	1940156450
SNP_P1_32374_31828801	NC_021161.1	Ca_kabuli_chr02	31828801	TT	GG	1940156451
SNP_P1_32375_31828814	NC_021161.1	Ca_kabuli_chr02	31828814	TT	CC	1940156452
SNP_P1_32376_31828818	NC_021161.1	Ca_kabuli_chr02	31828818	AA	CC	1940156453
SNP_P1_32377_31828844	NC_021161.1	Ca_kabuli_chr02	31828844	AA	GG	1940156454
SNP_P1_32378_31829384	NC_021161.1	Ca_kabuli_chr02	31829384	TT	CC	1940156455
SNP_P1_32379_31829536	NC_021161.1	Ca_kabuli_chr02	31829536	GG	AA	1940156456
SNP_P1_32380_31830684	NC_021161.1	Ca_kabuli_chr02	31830684	TT	CC	1940156457
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SNP_P1_32383_31832659	NC_021161.1	Ca_kabuli_chr02	31832659	CC	TT	1940156460
SNP_P1_32384_31832681	NC_021161.1	Ca_kabuli_chr02	31832681	TT	AA	1940156461
SNP_P1_32385_31832682	NC_021161.1	Ca_kabuli_chr02	31832682	AA	GG	1940156462
SNP_P1_32386_31832687	NC_021161.1	Ca_kabuli_chr02	31832687	CC	TT	1940156463
SNP_P1_32387_31832692	NC_021161.1	Ca_kabuli_chr02	31832692	AA	GG	1940156464
SNP_P1_32388_31832695	NC_021161.1	Ca_kabuli_chr02	31832695	TT	CC	1940156465
SNP_P1_32389_31832700	NC_021161.1	Ca_kabuli_chr02	31832700	TT	CC	1940156466
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SNP_P1_32391_31833381	NC_021161.1	Ca_kabuli_chr02	31833381	TT	AA	1940156468
SNP_P1_32393_31834780	NC_021161.1	Ca_kabuli_chr02	31834780	TT	AA	1940156469
SNP_P1_32394_31835157	NC_021161.1	Ca_kabuli_chr02	31835157	GG	AA	1940156470
SNP_P1_32395_31835460	NC_021161.1	Ca_kabuli_chr02	31835460	CC	TT	1940156471
SNP_P1_32396_31835612	NC_021161.1	Ca_kabuli_chr02	31835612	CC	TT	1940156472
SNP_P1_32398_31838133	NC_021161.1	Ca_kabuli_chr02	31838133	CC	TT	1940156473
SNP_P1_32400_31838941	NC_021161.1	Ca_kabuli_chr02	31838941	GG	AA	1940156474
SNP_P1_32401_31839232	NC_021161.1	Ca_kabuli_chr02	31839232	AA	TT	1940156475
SNP_P1_32402_31839637	NC_021161.1	Ca_kabuli_chr02	31839637	AA	CC	1940156476
SNP_P1_32403_31839653	NC_021161.1	Ca_kabuli_chr02	31839653	AA	TT	1940156477
SNP_P1_32405_31839683	NC_021161.1	Ca_kabuli_chr02	31839683	TT	AA	1940156478
SNP_P1_32406_31839829	NC_021161.1	Ca_kabuli_chr02	31839829	TT	AA	1940156479
SNP_P1_32407_31839970	NC_021161.1	Ca_kabuli_chr02	31839970	AA	GG	1940156480
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SNP_P1_32410_31842461	NC_021161.1	Ca_kabuli_chr02	31842461	TT	CC	1940156482
SNP_P1_32412_31843953	NC_021161.1	Ca_kabuli_chr02	31843953	CC	GG	1940156483
SNP_P1_32413_31843958	NC_021161.1	Ca_kabuli_chr02	31843958	TT	AA	1940156484
SNP_P1_32414_31844071	NC_021161.1	Ca_kabuli_chr02	31844071	AA	TT	1940156485
SNP_P1_32416_31844355	NC_021161.1	Ca_kabuli_chr02	31844355	AA	GG	1940156486
SNP_P1_32417_31844358	NC_021161.1	Ca_kabuli_chr02	31844358	CC	TT	1940156487

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32420_31844429	NC_021161.1	Ca_kabuli_chr02	31844429	GG	TT	1940156490
SNP_P1_32421_31844602	NC_021161.1	Ca_kabuli_chr02	31844602	AA	GG	1940156491
SNP_P1_32422_31844613	NC_021161.1	Ca_kabuli_chr02	31844613	TT	CC	1940156492
SNP_P1_32423_31844618	NC_021161.1	Ca_kabuli_chr02	31844618	TT	CC	1940156493
SNP_P1_32424_31844702	NC_021161.1	Ca_kabuli_chr02	31844702	CC	AA	1940156495
SNP_P1_32425_31844889	NC_021161.1	Ca_kabuli_chr02	31844889	GG	AA	1940156496
SNP_P1_32426_31846019	NC_021161.1	Ca_kabuli_chr02	31846019	TT	AA	1940156497
SNP_P1_32427_31846161	NC_021161.1	Ca_kabuli_chr02	31846161	AA	TT	1940156498
SNP_P1_32428_31846452	NC_021161.1	Ca_kabuli_chr02	31846452	AA	GG	1940156499
SNP_P1_32429_31846482	NC_021161.1	Ca_kabuli_chr02	31846482	AA	GG	1940156500
SNP_P1_32430_31846514	NC_021161.1	Ca_kabuli_chr02	31846514	AA	GG	1940156501
SNP_P1_32431_31846526	NC_021161.1	Ca_kabuli_chr02	31846526	TT	CC	1940156502
SNP_P1_32432_31847396	NC_021161.1	Ca_kabuli_chr02	31847396	TT	CC	1940156503
SNP_P1_32433_31848894	NC_021161.1	Ca_kabuli_chr02	31848894	AA	GG	1940156504
SNP_P1_32434_31849143	NC_021161.1	Ca_kabuli_chr02	31849143	TT	CC	1940156505
SNP_P1_32435_31849487	NC_021161.1	Ca_kabuli_chr02	31849487	AA	GG	1940156506
SNP_P1_32436_31849515	NC_021161.1	Ca_kabuli_chr02	31849515	CC	TT	1940156507
SNP_P1_32437_31849516	NC_021161.1	Ca_kabuli_chr02	31849516	TT	CC	1940156508
SNP_P1_32438_31849600	NC_021161.1	Ca_kabuli_chr02	31849600	AA	TT	1940156509
SNP_P1_32439_31849605	NC_021161.1	Ca_kabuli_chr02	31849605	TT	CC	1940156510
SNP_P1_32441_31849631	NC_021161.1	Ca_kabuli_chr02	31849631	AA	GG	1940156511
SNP_P1_32442_31849770	NC_021161.1	Ca_kabuli_chr02	31849770	CC	TT	1940156512
SNP_P1_32443_31849774	NC_021161.1	Ca_kabuli_chr02	31849774	GG	TT	1940156513
SNP_P1_32444_31849821	NC_021161.1	Ca_kabuli_chr02	31849821	CC	TT	1940156514
SNP_P1_32445_31849833	NC_021161.1	Ca_kabuli_chr02	31849833	CC	GG	1940156515
SNP_P1_32446_31850407	NC_021161.1	Ca_kabuli_chr02	31850407	GG	AA	1940156516
SNP_P1_32447_31850440	NC_021161.1	Ca_kabuli_chr02	31850440	CC	TT	1940156517
SNP_P1_32448_31850458	NC_021161.1	Ca_kabuli_chr02	31850458	GG	AA	1940156518
SNP_P1_32449_31850532	NC_021161.1	Ca_kabuli_chr02	31850532	GG	AA	1940156519
SNP_P1_32451_31850998	NC_021161.1	Ca_kabuli_chr02	31850998	GG	AA	1940156520
SNP_P1_32452_31851045	NC_021161.1	Ca_kabuli_chr02	31851045	CC	TT	1940156521
SNP_P1_32453_31851461	NC_021161.1	Ca_kabuli_chr02	31851461	AA	TT	1940156522
SNP_P1_32454_31851796	NC_021161.1	Ca_kabuli_chr02	31851796	GG	AA	1940156523
SNP_P1_32455_31853524	NC_021161.1	Ca_kabuli_chr02	31853524	TT	AA	1940156524
SNP_P1_32456_31853597	NC_021161.1	Ca_kabuli_chr02	31853597	AA	TT	1940156526
SNP_P1_32459_31853844	NC_021161.1	Ca_kabuli_chr02	31853844	AA	GG	1940156527
SNP_P1_32460_31854449	NC_021161.1	Ca_kabuli_chr02	31854449	CC	GG	1940156528
SNP_P1_32461_31854450	NC_021161.1	Ca_kabuli_chr02	31854450	AA	GG	1940156529
SNP_P1_32462_31854491	NC_021161.1	Ca_kabuli_chr02	31854491	TT	CC	1940156530
SNP_P1_32463_31854849	NC_021161.1	Ca_kabuli_chr02	31854849	AA	TT	1940156531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_32464_31854851	NC_021161.1	Ca_kabuli_chr02	31854851	AA	TT	1940156532
SNP_P1_32465_31854928	NC_021161.1	Ca_kabuli_chr02	31854928	CC	TT	1940156533
SNP_P1_32466_31854974	NC_021161.1	Ca_kabuli_chr02	31854974	GG	AA	1940156534
SNP_P1_32468_31856847	NC_021161.1	Ca_kabuli_chr02	31856847	TT	AA	1940156535
SNP_P1_32469_31858479	NC_021161.1	Ca_kabuli_chr02	31858479	AA	TT	1940156536
SNP_P1_32470_31858929	NC_021161.1	Ca_kabuli_chr02	31858929	TT	GG	1940156537
SNP_P1_32471_31858935	NC_021161.1	Ca_kabuli_chr02	31858935	CC	TT	1940156538
SNP_P1_32472_31858946	NC_021161.1	Ca_kabuli_chr02	31858946	GG	AA	1940156539
SNP_P1_32473_31858996	NC_021161.1	Ca_kabuli_chr02	31858996	CC	TT	1940156540
SNP_P1_32474_31859001	NC_021161.1	Ca_kabuli_chr02	31859001	AA	GG	1940156541
SNP_P1_32475_31859192	NC_021161.1	Ca_kabuli_chr02	31859192	TT	CC	1940156542
SNP_P1_32476_31860317	NC_021161.1	Ca_kabuli_chr02	31860317	CC	TT	1940156543
SNP_P1_32477_31860333	NC_021161.1	Ca_kabuli_chr02	31860333	CC	TT	1940156544
SNP_P1_32478_31860491	NC_021161.1	Ca_kabuli_chr02	31860491	CC	AA	1940156545
SNP_P1_32479_31860514	NC_021161.1	Ca_kabuli_chr02	31860514	CC	TT	1940156546
SNP_P1_32480_31860587	NC_021161.1	Ca_kabuli_chr02	31860587	TT	AA	1940156547
SNP_P1_32481_31860781	NC_021161.1	Ca_kabuli_chr02	31860781	AA	GG	1940156548
SNP_P1_32483_31860951	NC_021161.1	Ca_kabuli_chr02	31860951	GG	TT	1940156549
SNP_P1_32484_31861063	NC_021161.1	Ca_kabuli_chr02	31861063	CC	TT	1940156550
SNP_P1_32485_31861509	NC_021161.1	Ca_kabuli_chr02	31861509	AA	TT	1940156551
SNP_P1_32487_31861788	NC_021161.1	Ca_kabuli_chr02	31861788	CC	GG	1940156552
SNP_P1_32488_31861820	NC_021161.1	Ca_kabuli_chr02	31861820	CC	AA	1940156553
SNP_P1_32489_31864330	NC_021161.1	Ca_kabuli_chr02	31864330	GG	AA	1940156554
SNP_P1_32490_31864331	NC_021161.1	Ca_kabuli_chr02	31864331	TT	CC	1940156555
SNP_P1_32491_31864373	NC_021161.1	Ca_kabuli_chr02	31864373	TT	GG	1940156556
SNP_P1_32492_31864730	NC_021161.1	Ca_kabuli_chr02	31864730	TT	CC	1940156557
SNP_P1_32493_31865574	NC_021161.1	Ca_kabuli_chr02	31865574	AA	GG	1940156558
SNP_P1_32494_31865575	NC_021161.1	Ca_kabuli_chr02	31865575	TT	CC	1940156559
SNP_P1_32495_31865680	NC_021161.1	Ca_kabuli_chr02	31865680	GG	TT	1940156561
SNP_P1_32496_31865809	NC_021161.1	Ca_kabuli_chr02	31865809	TT	CC	1940156562
SNP_P1_32497_31865865	NC_021161.1	Ca_kabuli_chr02	31865865	CC	TT	1940156563
SNP_P1_32498_31865901	NC_021161.1	Ca_kabuli_chr02	31865901	CC	TT	1940156564
SNP_P1_32499_31865918	NC_021161.1	Ca_kabuli_chr02	31865918	CC	TT	1940156565
SNP_P1_32500_31865930	NC_021161.1	Ca_kabuli_chr02	31865930	AA	GG	1940156566
SNP_P1_32501_31865933	NC_021161.1	Ca_kabuli_chr02	31865933	CC	TT	1940156567
SNP_P1_32502_31868959	NC_021161.1	Ca_kabuli_chr02	31868959	TT	AA	1940156568
SNP_P1_32503_31868960	NC_021161.1	Ca_kabuli_chr02	31868960	TT	AA	1940156569
SNP_P1_32504_31868961	NC_021161.1	Ca_kabuli_chr02	31868961	TT	AA	1940156570
SNP_P1_32505_31869006	NC_021161.1	Ca_kabuli_chr02	31869006	TT	CC	1940156571
SNP_P1_32506_31869012	NC_021161.1	Ca_kabuli_chr02	31869012	TT	CC	1940156572
SNP_P1_32507_31869018	NC_021161.1	Ca_kabuli_chr02	31869018	TT	CC	1940156573
SNP_P1_32508_31869027	NC_021161.1	Ca_kabuli_chr02	31869027	CC	AA	1940156574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32510_31869031	NC_021161.1	Ca_kabuli_chr02	31869031	AA	CC	1940156576
SNP_P1_32511_31869036	NC_021161.1	Ca_kabuli_chr02	31869036	TT	CC	1940156577
SNP_P1_32512_31869315	NC_021161.1	Ca_kabuli_chr02	31869315	CC	TT	1940156578
SNP_P1_32513_31870180	NC_021161.1	Ca_kabuli_chr02	31870180	CC	GG	1940156579
SNP_P1_32514_31870258	NC_021161.1	Ca_kabuli_chr02	31870258	TT	CC	1940156580
SNP_P1_32515_31870541	NC_021161.1	Ca_kabuli_chr02	31870541	TT	CC	1940156581
SNP_P1_32516_31871327	NC_021161.1	Ca_kabuli_chr02	31871327	GG	AA	1940156582
SNP_P1_32517_31872096	NC_021161.1	Ca_kabuli_chr02	31872096	TT	CC	1940156583
SNP_P1_32518_31872109	NC_021161.1	Ca_kabuli_chr02	31872109	CC	TT	1940156584
SNP_P1_32519_31872147	NC_021161.1	Ca_kabuli_chr02	31872147	AA	GG	1940156585
SNP_P1_32520_31876734	NC_021161.1	Ca_kabuli_chr02	31876734	TT	GG	1940156586
SNP_P1_32521_31876750	NC_021161.1	Ca_kabuli_chr02	31876750	CC	TT	1940156587
SNP_P1_32522_31876755	NC_021161.1	Ca_kabuli_chr02	31876755	AA	GG	1940156588
SNP_P1_32523_31880084	NC_021161.1	Ca_kabuli_chr02	31880084	TT	GG	1940156589
SNP_P1_32524_31881396	NC_021161.1	Ca_kabuli_chr02	31881396	CC	TT	1940156590
SNP_P1_32525_31881488	NC_021161.1	Ca_kabuli_chr02	31881488	AA	GG	1940156591
SNP_P1_32526_31881918	NC_021161.1	Ca_kabuli_chr02	31881918	GG	TT	1940156592
SNP_P1_32527_31882232	NC_021161.1	Ca_kabuli_chr02	31882232	AA	TT	1940156593
SNP_P1_32528_31882538	NC_021161.1	Ca_kabuli_chr02	31882538	GG	AA	1940156594
SNP_P1_32529_31882696	NC_021161.1	Ca_kabuli_chr02	31882696	GG	AA	1940156595
SNP_P1_32530_31882704	NC_021161.1	Ca_kabuli_chr02	31882704	CC	TT	1940156596
SNP_P1_32531_31882707	NC_021161.1	Ca_kabuli_chr02	31882707	GG	AA	1940156597
SNP_P1_32532_31882872	NC_021161.1	Ca_kabuli_chr02	31882872	TT	CC	1940156598
SNP_P1_32533_31882924	NC_021161.1	Ca_kabuli_chr02	31882924	AA	CC	1940156600
SNP_P1_32535_31882982	NC_021161.1	Ca_kabuli_chr02	31882982	TT	CC	1940156601
SNP_P1_32536_31882992	NC_021161.1	Ca_kabuli_chr02	31882992	AA	CC	1940156602
SNP_P1_32538_31883040	NC_021161.1	Ca_kabuli_chr02	31883040	AA	CC	1940156603
SNP_P1_32539_31883310	NC_021161.1	Ca_kabuli_chr02	31883310	AA	GG	1940156604
SNP_P1_32540_31883583	NC_021161.1	Ca_kabuli_chr02	31883583	GG	TT	1940156605
SNP_P1_32541_31884454	NC_021161.1	Ca_kabuli_chr02	31884454	GG	AA	1940156606
SNP_P1_32542_31884471	NC_021161.1	Ca_kabuli_chr02	31884471	GG	AA	1940156607
SNP_P1_32543_31886644	NC_021161.1	Ca_kabuli_chr02	31886644	GG	TT	1940156608
SNP_P1_32544_31886998	NC_021161.1	Ca_kabuli_chr02	31886998	AA	TT	1940156609
SNP_P1_32545_31891906	NC_021161.1	Ca_kabuli_chr02	31891906	GG	AA	1940156610
SNP_P1_32546_31892602	NC_021161.1	Ca_kabuli_chr02	31892602	CC	GG	1940156611
SNP_P1_32548_31893042	NC_021161.1	Ca_kabuli_chr02	31893042	TT	AA	1940156612
SNP_P1_32549_31893130	NC_021161.1	Ca_kabuli_chr02	31893130	TT	CC	1940156613
SNP_P1_32550_31893140	NC_021161.1	Ca_kabuli_chr02	31893140	AA	GG	1940156614
SNP_P1_32551_31893161	NC_021161.1	Ca_kabuli_chr02	31893161	GG	AA	1940156615
SNP_P1_32552_31893240	NC_021161.1	Ca_kabuli_chr02	31893240	AA	GG	1940156616
SNP_P1_32553_31893244	NC_021161.1	Ca_kabuli_chr02	31893244	TT	CC	1940156617

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32555_31893292	NC_021161.1	Ca_kabuli_chr02	31893292	AA	TT	1940156619
SNP_P1_32556_31893346	NC_021161.1	Ca_kabuli_chr02	31893346	AA	GG	1940156620
SNP_P1_32557_31894994	NC_021161.1	Ca_kabuli_chr02	31894994	TT	CC	1940156621
SNP_P1_32558_31895314	NC_021161.1	Ca_kabuli_chr02	31895314	TT	CC	1940156622
SNP_P1_32559_31895338	NC_021161.1	Ca_kabuli_chr02	31895338	TT	AA	1940156623
SNP_P1_32560_31895428	NC_021161.1	Ca_kabuli_chr02	31895428	GG	TT	1940156624
SNP_P1_32561_31895451	NC_021161.1	Ca_kabuli_chr02	31895451	AA	GG	1940156625
SNP_P1_32562_31895590	NC_021161.1	Ca_kabuli_chr02	31895590	TT	AA	1940156626
SNP_P1_32563_31895602	NC_021161.1	Ca_kabuli_chr02	31895602	GG	AA	1940156627
SNP_P1_32564_31895680	NC_021161.1	Ca_kabuli_chr02	31895680	GG	AA	1940156628
SNP_P1_32565_31896133	NC_021161.1	Ca_kabuli_chr02	31896133	CC	AA	1940156629
SNP_P1_32567_31897014	NC_021161.1	Ca_kabuli_chr02	31897014	GG	AA	1940156630
SNP_P1_32568_31897047	NC_021161.1	Ca_kabuli_chr02	31897047	GG	AA	1940156631
SNP_P1_32569_31897330	NC_021161.1	Ca_kabuli_chr02	31897330	AA	TT	1940156632
SNP_P1_32570_31897346	NC_021161.1	Ca_kabuli_chr02	31897346	AA	CC	1940156633
SNP_P1_32572_31898930	NC_021161.1	Ca_kabuli_chr02	31898930	GG	AA	1940156634
SNP_P1_32573_31899131	NC_021161.1	Ca_kabuli_chr02	31899131	TT	CC	1940156635
SNP_P1_32574_31899301	NC_021161.1	Ca_kabuli_chr02	31899301	GG	TT	1940156636
SNP_P1_32575_31899385	NC_021161.1	Ca_kabuli_chr02	31899385	TT	GG	1940156637
SNP_P1_32576_31899476	NC_021161.1	Ca_kabuli_chr02	31899476	AA	TT	1940156638
SNP_P1_32577_31899483	NC_021161.1	Ca_kabuli_chr02	31899483	AA	GG	1940156639
SNP_P1_32578_31899531	NC_021161.1	Ca_kabuli_chr02	31899531	CC	TT	1940156640
SNP_P1_32579_31899537	NC_021161.1	Ca_kabuli_chr02	31899537	GG	AA	1940156642
SNP_P1_32580_31901526	NC_021161.1	Ca_kabuli_chr02	31901526	TT	CC	1940156643
SNP_P1_32581_31901751	NC_021161.1	Ca_kabuli_chr02	31901751	AA	GG	1940156644
SNP_P1_32582_31901807	NC_021161.1	Ca_kabuli_chr02	31901807	GG	AA	1940156645
SNP_P1_32583_31901808	NC_021161.1	Ca_kabuli_chr02	31901808	TT	CC	1940156646
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SNP_P1_32585_31901995	NC_021161.1	Ca_kabuli_chr02	31901995	TT	GG	1940156648
SNP_P1_32586_31902040	NC_021161.1	Ca_kabuli_chr02	31902040	GG	AA	1940156649
SNP_P1_32587_31902219	NC_021161.1	Ca_kabuli_chr02	31902219	GG	AA	1940156650
SNP_P1_32588_31902256	NC_021161.1	Ca_kabuli_chr02	31902256	AA	TT	1940156651
SNP_P1_32589_31902257	NC_021161.1	Ca_kabuli_chr02	31902257	TT	CC	1940156652
SNP_P1_32590_31902962	NC_021161.1	Ca_kabuli_chr02	31902962	CC	TT	1940156653
SNP_P1_32591_31902969	NC_021161.1	Ca_kabuli_chr02	31902969	AA	GG	1940156654
SNP_P1_32592_31903109	NC_021161.1	Ca_kabuli_chr02	31903109	GG	AA	1940156655
SNP_P1_32593_31903142	NC_021161.1	Ca_kabuli_chr02	31903142	CC	TT	1940156656
SNP_P1_32594_31903218	NC_021161.1	Ca_kabuli_chr02	31903218	TT	CC	1940156657
SNP_P1_32595_31903288	NC_021161.1	Ca_kabuli_chr02	31903288	TT	CC	1940156658
SNP_P1_32596_31903656	NC_021161.1	Ca_kabuli_chr02	31903656	TT	CC	1940156659
SNP_P1_32597_31903659	NC_021161.1	Ca_kabuli_chr02	31903659	TT	AA	1940156660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32599_31904118	NC_021161.1	Ca_kabuli_chr02	31904118	TT	GG	1940156662
SNP_P1_32600_31904186	NC_021161.1	Ca_kabuli_chr02	31904186	CC	AA	1940156663
SNP_P1_32601_31904307	NC_021161.1	Ca_kabuli_chr02	31904307	GG	AA	1940156664
SNP_P1_32602_31904402	NC_021161.1	Ca_kabuli_chr02	31904402	AA	GG	1940156665
SNP_P1_32603_31904440	NC_021161.1	Ca_kabuli_chr02	31904440	CC	AA	1940156666
SNP_P1_32604_31904452	NC_021161.1	Ca_kabuli_chr02	31904452	CC	TT	1940156667
SNP_P1_32605_31904521	NC_021161.1	Ca_kabuli_chr02	31904521	GG	CC	1940156668
SNP_P1_32606_31904918	NC_021161.1	Ca_kabuli_chr02	31904918	AA	GG	1940156669
SNP_P1_32607_31905036	NC_021161.1	Ca_kabuli_chr02	31905036	GG	TT	1940156670
SNP_P1_32608_31905048	NC_021161.1	Ca_kabuli_chr02	31905048	CC	TT	1940156671
SNP_P1_32609_31905066	NC_021161.1	Ca_kabuli_chr02	31905066	CC	AA	1940156672
SNP_P1_32610_31905162	NC_021161.1	Ca_kabuli_chr02	31905162	GG	AA	1940156673
SNP_P1_32612_31905475	NC_021161.1	Ca_kabuli_chr02	31905475	CC	AA	1940156674
SNP_P1_32613_31905476	NC_021161.1	Ca_kabuli_chr02	31905476	GG	TT	1940156675
SNP_P1_32614_31905480	NC_021161.1	Ca_kabuli_chr02	31905480	AA	TT	1940156676
SNP_P1_32615_31905528	NC_021161.1	Ca_kabuli_chr02	31905528	GG	AA	1940156677
SNP_P1_32617_31905960	NC_021161.1	Ca_kabuli_chr02	31905960	AA	GG	1940156679
SNP_P1_32618_31906090	NC_021161.1	Ca_kabuli_chr02	31906090	AA	GG	1940156680
SNP_P1_32619_31906768	NC_021161.1	Ca_kabuli_chr02	31906768	GG	AA	1940156681
SNP_P1_32620_31907541	NC_021161.1	Ca_kabuli_chr02	31907541	AA	TT	1940156682
SNP_P1_32621_31907629	NC_021161.1	Ca_kabuli_chr02	31907629	AA	GG	1940156683
SNP_P1_32622_31908377	NC_021161.1	Ca_kabuli_chr02	31908377	GG	AA	1940156684
SNP_P1_32623_31908419	NC_021161.1	Ca_kabuli_chr02	31908419	CC	AA	1940156685
SNP_P1_32624_31909395	NC_021161.1	Ca_kabuli_chr02	31909395	CC	TT	1940156686
SNP_P1_32625_31910227	NC_021161.1	Ca_kabuli_chr02	31910227	CC	TT	1940156687
SNP_P1_32626_31910277	NC_021161.1	Ca_kabuli_chr02	31910277	GG	AA	1940156688
SNP_P1_32627_31910565	NC_021161.1	Ca_kabuli_chr02	31910565	AA	GG	1940156689
SNP_P1_32628_31910867	NC_021161.1	Ca_kabuli_chr02	31910867	AA	GG	1940156690
SNP_P1_32629_31911183	NC_021161.1	Ca_kabuli_chr02	31911183	GG	AA	1940156691
SNP_P1_32630_31911295	NC_021161.1	Ca_kabuli_chr02	31911295	AA	GG	1940156692
SNP_P1_32631_31911365	NC_021161.1	Ca_kabuli_chr02	31911365	GG	AA	1940156693
SNP_P1_32632_31911657	NC_021161.1	Ca_kabuli_chr02	31911657	AA	TT	1940156694
SNP_P1_32634_31911943	NC_021161.1	Ca_kabuli_chr02	31911943	AA	TT	1940156695
SNP_P1_32635_31911964	NC_021161.1	Ca_kabuli_chr02	31911964	AA	CC	1940156696
SNP_P1_32637_31913235	NC_021161.1	Ca_kabuli_chr02	31913235	CC	TT	1940156697
SNP_P1_32638_31913410	NC_021161.1	Ca_kabuli_chr02	31913410	AA	GG	1940156698
SNP_P1_32639_31913416	NC_021161.1	Ca_kabuli_chr02	31913416	GG	AA	1940156699
SNP_P1_32640_31913435	NC_021161.1	Ca_kabuli_chr02	31913435	AA	GG	1940156700
SNP_P1_32641_31913953	NC_021161.1	Ca_kabuli_chr02	31913953	AA	CC	1940156701
SNP_P1_32642_31914002	NC_021161.1	Ca_kabuli_chr02	31914002	TT	CC	1940156702
SNP_P1_32643_31914289	NC_021161.1	Ca_kabuli_chr02	31914289	TT	CC	1940156703

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32645_31915663	NC_021161.1	Ca_kabuli_chr02	31915663	AA	CC	1940156705
SNP_P1_32646_31915933	NC_021161.1	Ca_kabuli_chr02	31915933	TT	CC	1940156706
SNP_P1_32647_31916085	NC_021161.1	Ca_kabuli_chr02	31916085	AA	GG	1940156707
SNP_P1_32648_31916114	NC_021161.1	Ca_kabuli_chr02	31916114	TT	AA	1940156708
SNP_P1_32649_31916122	NC_021161.1	Ca_kabuli_chr02	31916122	GG	TT	1940156709
SNP_P1_32650_31916448	NC_021161.1	Ca_kabuli_chr02	31916448	AA	CC	1940156710
SNP_P1_32651_31917531	NC_021161.1	Ca_kabuli_chr02	31917531	CC	TT	1940156711
SNP_P1_32652_31918603	NC_021161.1	Ca_kabuli_chr02	31918603	TT	AA	1940156712
SNP_P1_32653_31918609	NC_021161.1	Ca_kabuli_chr02	31918609	TT	GG	1940156713
SNP_P1_32654_31918620	NC_021161.1	Ca_kabuli_chr02	31918620	TT	AA	1940156714
SNP_P1_32655_31918859	NC_021161.1	Ca_kabuli_chr02	31918859	AA	GG	1940156716
SNP_P1_32656_31919007	NC_021161.1	Ca_kabuli_chr02	31919007	GG	AA	1940156717
SNP_P1_32657_31919176	NC_021161.1	Ca_kabuli_chr02	31919176	AA	GG	1940156718
SNP_P1_32658_31919719	NC_021161.1	Ca_kabuli_chr02	31919719	TT	AA	1940156719
SNP_P1_32659_31919747	NC_021161.1	Ca_kabuli_chr02	31919747	CC	TT	1940156720
SNP_P1_32660_31920007	NC_021161.1	Ca_kabuli_chr02	31920007	TT	CC	1940156721
SNP_P1_32662_31920646	NC_021161.1	Ca_kabuli_chr02	31920646	TT	CC	1940156722
SNP_P1_32663_31920655	NC_021161.1	Ca_kabuli_chr02	31920655	TT	CC	1940156723
SNP_P1_32664_31920964	NC_021161.1	Ca_kabuli_chr02	31920964	AA	GG	1940156724
SNP_P1_32665_31921020	NC_021161.1	Ca_kabuli_chr02	31921020	AA	GG	1940156725
SNP_P1_32666_31921045	NC_021161.1	Ca_kabuli_chr02	31921045	CC	GG	1940156726
SNP_P1_32667_31921200	NC_021161.1	Ca_kabuli_chr02	31921200	GG	AA	1940156727
SNP_P1_32668_31921218	NC_021161.1	Ca_kabuli_chr02	31921218	AA	GG	1940156728
SNP_P1_32669_31921250	NC_021161.1	Ca_kabuli_chr02	31921250	GG	AA	1940156729
SNP_P1_32670_31921281	NC_021161.1	Ca_kabuli_chr02	31921281	GG	AA	1940156730
SNP_P1_32672_31921415	NC_021161.1	Ca_kabuli_chr02	31921415	AA	GG	1940156731
SNP_P1_32675_31921905	NC_021161.1	Ca_kabuli_chr02	31921905	GG	AA	1940156732
SNP_P1_32676_31922777	NC_021161.1	Ca_kabuli_chr02	31922777	GG	AA	1940156733
SNP_P1_32677_31922960	NC_021161.1	Ca_kabuli_chr02	31922960	AA	GG	1940156734
SNP_P1_32678_31922977	NC_021161.1	Ca_kabuli_chr02	31922977	TT	GG	1940156735
SNP_P1_32679_31923045	NC_021161.1	Ca_kabuli_chr02	31923045	TT	AA	1940156736
SNP_P1_32680_31923087	NC_021161.1	Ca_kabuli_chr02	31923087	AA	GG	1940156737
SNP_P1_32681_31923091	NC_021161.1	Ca_kabuli_chr02	31923091	CC	TT	1940156738
SNP_P1_32682_31924064	NC_021161.1	Ca_kabuli_chr02	31924064	CC	AA	1940156739
SNP_P1_32684_31924851	NC_021161.1	Ca_kabuli_chr02	31924851	GG	AA	1940156740
SNP_P1_32685_31924853	NC_021161.1	Ca_kabuli_chr02	31924853	GG	AA	1940156741
SNP_P1_32686_31925042	NC_021161.1	Ca_kabuli_chr02	31925042	CC	AA	1940156742
SNP_P1_32687_31925258	NC_021161.1	Ca_kabuli_chr02	31925258	CC	GG	1940156743
SNP_P1_32689_31925315	NC_021161.1	Ca_kabuli_chr02	31925315	TT	CC	1940156744
SNP_P1_32691_31925366	NC_021161.1	Ca_kabuli_chr02	31925366	TT	CC	1940156745
SNP_P1_32692_31925384	NC_021161.1	Ca_kabuli_chr02	31925384	GG	TT	1940156746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32695_31926520	NC_021161.1	Ca_kabuli_chr02	31926520	AA	GG	1940156748
SNP_P1_32696_31926582	NC_021161.1	Ca_kabuli_chr02	31926582	AA	CC	1940156749
SNP_P1_32697_31927407	NC_021161.1	Ca_kabuli_chr02	31927407	CC	TT	1940156750
SNP_P1_32698_31927411	NC_021161.1	Ca_kabuli_chr02	31927411	CC	AA	1940156751
SNP_P1_32699_31928340	NC_021161.1	Ca_kabuli_chr02	31928340	GG	TT	1940156752
SNP_P1_32705_31929882	NC_021161.1	Ca_kabuli_chr02	31929882	AA	GG	1940156753
SNP_P1_32706_31929913	NC_021161.1	Ca_kabuli_chr02	31929913	TT	CC	1940156754
SNP_P1_32707_31929976	NC_021161.1	Ca_kabuli_chr02	31929976	AA	GG	1940156755
SNP_P1_32708_31929993	NC_021161.1	Ca_kabuli_chr02	31929993	AA	GG	1940156756
SNP_P1_32709_31929994	NC_021161.1	Ca_kabuli_chr02	31929994	TT	CC	1940156757
SNP_P1_32710_31930055	NC_021161.1	Ca_kabuli_chr02	31930055	TT	CC	1940156758
SNP_P1_32711_31930062	NC_021161.1	Ca_kabuli_chr02	31930062	AA	GG	1940156759
SNP_P1_32712_31930090	NC_021161.1	Ca_kabuli_chr02	31930090	AA	TT	1940156760
SNP_P1_32713_31930092	NC_021161.1	Ca_kabuli_chr02	31930092	TT	CC	1940156761
SNP_P1_32714_31930112	NC_021161.1	Ca_kabuli_chr02	31930112	AA	GG	1940156762
SNP_P1_32716_31931452	NC_021161.1	Ca_kabuli_chr02	31931452	GG	AA	1940156763
SNP_P1_32717_31931487	NC_021161.1	Ca_kabuli_chr02	31931487	AA	TT	1940156764
SNP_P1_32718_31931666	NC_021161.1	Ca_kabuli_chr02	31931666	AA	GG	1940156765
SNP_P1_32719_31931668	NC_021161.1	Ca_kabuli_chr02	31931668	TT	CC	1940156767
SNP_P1_32720_31932804	NC_021161.1	Ca_kabuli_chr02	31932804	AA	GG	1940156768
SNP_P1_32721_31932965	NC_021161.1	Ca_kabuli_chr02	31932965	TT	AA	1940156769
SNP_P1_32722_31932986	NC_021161.1	Ca_kabuli_chr02	31932986	TT	AA	1940156770
SNP_P1_32725_31933635	NC_021161.1	Ca_kabuli_chr02	31933635	AA	GG	1940156771
SNP_P1_32726_31933663	NC_021161.1	Ca_kabuli_chr02	31933663	GG	AA	1940156772
SNP_P1_32727_31933696	NC_021161.1	Ca_kabuli_chr02	31933696	CC	TT	1940156773
SNP_P1_32728_31933700	NC_021161.1	Ca_kabuli_chr02	31933700	GG	AA	1940156774
SNP_P1_32730_31934746	NC_021161.1	Ca_kabuli_chr02	31934746	GG	AA	1940156775
SNP_P1_32732_31935208	NC_021161.1	Ca_kabuli_chr02	31935208	TT	CC	1940156776
SNP_P1_32733_31935209	NC_021161.1	Ca_kabuli_chr02	31935209	TT	CC	1940156777
SNP_P1_32734_31935235	NC_021161.1	Ca_kabuli_chr02	31935235	AA	GG	1940156778
SNP_P1_32735_31935373	NC_021161.1	Ca_kabuli_chr02	31935373	TT	CC	1940156779
SNP_P1_32736_31936391	NC_021161.1	Ca_kabuli_chr02	31936391	TT	AA	1940156780
SNP_P1_32737_31936455	NC_021161.1	Ca_kabuli_chr02	31936455	AA	CC	1940156781
SNP_P1_32738_31936597	NC_021161.1	Ca_kabuli_chr02	31936597	GG	AA	1940156782
SNP_P1_32739_31936793	NC_021161.1	Ca_kabuli_chr02	31936793	CC	TT	1940156783
SNP_P1_32740_31936814	NC_021161.1	Ca_kabuli_chr02	31936814	AA	GG	1940156784
SNP_P1_32741_31936818	NC_021161.1	Ca_kabuli_chr02	31936818	TT	CC	1940156785
SNP_P1_32742_31936823	NC_021161.1	Ca_kabuli_chr02	31936823	TT	GG	1940156786
SNP_P1_32743_31936841	NC_021161.1	Ca_kabuli_chr02	31936841	AA	TT	1940156787
SNP_P1_32744_31937377	NC_021161.1	Ca_kabuli_chr02	31937377	TT	GG	1940156788
SNP_P1_32745_31938913	NC_021161.1	Ca_kabuli_chr02	31938913	GG	CC	1940156789

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32748_31939152	NC_021161.1	Ca_kabuli_chr02	31939152	TT	CC	1940156791
SNP_P1_32749_31941554	NC_021161.1	Ca_kabuli_chr02	31941554	AA	TT	1940156792
SNP_P1_32751_31944435	NC_021161.1	Ca_kabuli_chr02	31944435	TT	AA	1940156793
SNP_P1_32752_31944702	NC_021161.1	Ca_kabuli_chr02	31944702	TT	CC	1940156794
SNP_P1_32753_31945832	NC_021161.1	Ca_kabuli_chr02	31945832	TT	CC	1940156795
SNP_P1_32754_31945883	NC_021161.1	Ca_kabuli_chr02	31945883	AA	GG	1940156796
SNP_P1_32755_31945956	NC_021161.1	Ca_kabuli_chr02	31945956	CC	TT	1940156797
SNP_P1_32756_31945964	NC_021161.1	Ca_kabuli_chr02	31945964	TT	GG	1940156798
SNP_P1_32758_31946046	NC_021161.1	Ca_kabuli_chr02	31946046	GG	TT	1940156799
SNP_P1_32759_31946115	NC_021161.1	Ca_kabuli_chr02	31946115	CC	AA	1940156800
SNP_P1_32761_31946146	NC_021161.1	Ca_kabuli_chr02	31946146	CC	TT	1940156801
SNP_P1_32762_31946173	NC_021161.1	Ca_kabuli_chr02	31946173	TT	CC	1940156802
SNP_P1_32763_31946185	NC_021161.1	Ca_kabuli_chr02	31946185	TT	CC	1940156803
SNP_P1_32764_31946223	NC_021161.1	Ca_kabuli_chr02	31946223	GG	AA	1940156804
SNP_P1_32765_31947009	NC_021161.1	Ca_kabuli_chr02	31947009	GG	TT	1940156805
SNP_P1_32766_31947262	NC_021161.1	Ca_kabuli_chr02	31947262	TT	CC	1940156806
SNP_P1_32767_31947274	NC_021161.1	Ca_kabuli_chr02	31947274	GG	TT	1940156807
SNP_P1_32768_31947873	NC_021161.1	Ca_kabuli_chr02	31947873	AA	GG	1940156808
SNP_P1_32769_31947877	NC_021161.1	Ca_kabuli_chr02	31947877	TT	CC	1940156809
SNP_P1_32770_31948063	NC_021161.1	Ca_kabuli_chr02	31948063	TT	CC	1940156810
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SNP_P1_32772_31948817	NC_021161.1	Ca_kabuli_chr02	31948817	GG	AA	1940156812
SNP_P1_32774_31953236	NC_021161.1	Ca_kabuli_chr02	31953236	CC	TT	1940156813
SNP_P1_32775_31953859	NC_021161.1	Ca_kabuli_chr02	31953859	GG	AA	1940156814
SNP_P1_32776_31953860	NC_021161.1	Ca_kabuli_chr02	31953860	TT	AA	1940156815
SNP_P1_32777_31954745	NC_021161.1	Ca_kabuli_chr02	31954745	TT	AA	1940156816
SNP_P1_32778_31955594	NC_021161.1	Ca_kabuli_chr02	31955594	TT	CC	1940156817
SNP_P1_32779_31955622	NC_021161.1	Ca_kabuli_chr02	31955622	GG	AA	1940156818
SNP_P1_32780_31955648	NC_021161.1	Ca_kabuli_chr02	31955648	CC	TT	1940156819
SNP_P1_32781_31955715	NC_021161.1	Ca_kabuli_chr02	31955715	AA	GG	1940156821
SNP_P1_32782_31955824	NC_021161.1	Ca_kabuli_chr02	31955824	CC	GG	1940156822
SNP_P1_32783_31955875	NC_021161.1	Ca_kabuli_chr02	31955875	GG	TT	1940156823
SNP_P1_32784_31956019	NC_021161.1	Ca_kabuli_chr02	31956019	TT	CC	1940156824
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SNP_P1_32787_31956464	NC_021161.1	Ca_kabuli_chr02	31956464	AA	GG	1940156827
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SNP_P1_32791_31956908	NC_021161.1	Ca_kabuli_chr02	31956908	AA	GG	1940156831
SNP_P1_32792_31958037	NC_021161.1	Ca_kabuli_chr02	31958037	CC	TT	1940156832

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32794_31958099	NC_021161.1	Ca_kabuli_chr02	31958099	GG	AA	1940156834
SNP_P1_32795_31958120	NC_021161.1	Ca_kabuli_chr02	31958120	GG	AA	1940156835
SNP_P1_32796_31958123	NC_021161.1	Ca_kabuli_chr02	31958123	GG	AA	1940156836
SNP_P1_32797_31958213	NC_021161.1	Ca_kabuli_chr02	31958213	AA	GG	1940156837
SNP_P1_32798_31958227	NC_021161.1	Ca_kabuli_chr02	31958227	TT	CC	1940156838
SNP_P1_32799_31958372	NC_021161.1	Ca_kabuli_chr02	31958372	TT	CC	1940156839
SNP_P1_32800_31958390	NC_021161.1	Ca_kabuli_chr02	31958390	GG	AA	1940156840
SNP_P1_32801_31958409	NC_021161.1	Ca_kabuli_chr02	31958409	AA	GG	1940156841
SNP_P1_32802_31958471	NC_021161.1	Ca_kabuli_chr02	31958471	CC	TT	1940156842
SNP_P1_32803_31958525	NC_021161.1	Ca_kabuli_chr02	31958525	AA	GG	1940156843
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SNP_P1_32807_31963685	NC_021161.1	Ca_kabuli_chr02	31963685	CC	TT	1940156847
SNP_P1_32808_31964485	NC_021161.1	Ca_kabuli_chr02	31964485	TT	CC	1940156848
SNP_P1_32809_31965983	NC_021161.1	Ca_kabuli_chr02	31965983	GG	AA	1940156849
SNP_P1_32810_31967297	NC_021161.1	Ca_kabuli_chr02	31967297	TT	CC	1940156850
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SNP_P1_32816_31981070	NC_021161.1	Ca_kabuli_chr02	31981070	GG	AA	1940156855
SNP_P1_32818_31981626	NC_021161.1	Ca_kabuli_chr02	31981626	TT	CC	1940156856
SNP_P1_32820_31981721	NC_021161.1	Ca_kabuli_chr02	31981721	GG	TT	1940156857
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SNP_P1_32824_31990972	NC_021161.1	Ca_kabuli_chr02	31990972	CC	TT	1940156860
SNP_P1_32825_31990997	NC_021161.1	Ca_kabuli_chr02	31990997	AA	GG	1940156861
SNP_P1_32826_31992321	NC_021161.1	Ca_kabuli_chr02	31992321	AA	GG	1940156862
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SNP_P1_32828_31997629	NC_021161.1	Ca_kabuli_chr02	31997629	AA	GG	1940156864
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SNP_P1_32830_31997651	NC_021161.1	Ca_kabuli_chr02	31997651	AA	GG	1940156866
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SNP_P1_32832_32002636	NC_021161.1	Ca_kabuli_chr02	32002636	CC	TT	1940156869
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SNP_P1_32836_32003473	NC_021161.1	Ca_kabuli_chr02	32003473	GG	AA	1940156873
SNP_P1_32837_32004701	NC_021161.1	Ca_kabuli_chr02	32004701	TT	AA	1940156874
SNP_P1_32838_32004704	NC_021161.1	Ca_kabuli_chr02	32004704	AA	GG	1940156875

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32842_32008534	NC_021161.1	Ca_kabuli_chr02	32008534	AA	TT	1940156879
SNP_P1_32843_32008535	NC_021161.1	Ca_kabuli_chr02	32008535	GG	TT	1940156880
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SNP_P1_32848_32012842	NC_021161.1	Ca_kabuli_chr02	32012842	TT	AA	1940156885
SNP_P1_32849_32012972	NC_021161.1	Ca_kabuli_chr02	32012972	AA	GG	1940156886
SNP_P1_32850_32012984	NC_021161.1	Ca_kabuli_chr02	32012984	GG	AA	1940156887
SNP_P1_32851_32013090	NC_021161.1	Ca_kabuli_chr02	32013090	CC	AA	1940156888
SNP_P1_32852_32013095	NC_021161.1	Ca_kabuli_chr02	32013095	TT	CC	1940156889
SNP_P1_32853_32013098	NC_021161.1	Ca_kabuli_chr02	32013098	AA	TT	1940156890
SNP_P1_32854_32013423	NC_021161.1	Ca_kabuli_chr02	32013423	CC	TT	1940156891
SNP_P1_32857_32014621	NC_021161.1	Ca_kabuli_chr02	32014621	GG	AA	1940156892
SNP_P1_32858_32017769	NC_021161.1	Ca_kabuli_chr02	32017769	TT	CC	1940156893
SNP_P1_32859_32017770	NC_021161.1	Ca_kabuli_chr02	32017770	CC	AA	1940156894
SNP_P1_32860_32021412	NC_021161.1	Ca_kabuli_chr02	32021412	AA	GG	1940156895
SNP_P1_32861_32022436	NC_021161.1	Ca_kabuli_chr02	32022436	TT	CC	1940156896
SNP_P1_32862_32023283	NC_021161.1	Ca_kabuli_chr02	32023283	CC	GG	1940156897
SNP_P1_32863_32023331	NC_021161.1	Ca_kabuli_chr02	32023331	AA	GG	1940156898
SNP_P1_32864_32023458	NC_021161.1	Ca_kabuli_chr02	32023458	AA	CC	1940156899
SNP_P1_32865_32023628	NC_021161.1	Ca_kabuli_chr02	32023628	AA	GG	1940156900
SNP_P1_32866_32024091	NC_021161.1	Ca_kabuli_chr02	32024091	GG	AA	1940156901
SNP_P1_32867_32025214	NC_021161.1	Ca_kabuli_chr02	32025214	TT	CC	1940156902
SNP_P1_32868_32025226	NC_021161.1	Ca_kabuli_chr02	32025226	GG	TT	1940156903
SNP_P1_32870_32033409	NC_021161.1	Ca_kabuli_chr02	32033409	CC	GG	1940156904
SNP_P1_32871_32036581	NC_021161.1	Ca_kabuli_chr02	32036581	GG	AA	1940156905
SNP_P1_32872_32039062	NC_021161.1	Ca_kabuli_chr02	32039062	AA	GG	1940156906
SNP_P1_32873_32046205	NC_021161.1	Ca_kabuli_chr02	32046205	CC	TT	1940156907
SNP_P1_32874_32046207	NC_021161.1	Ca_kabuli_chr02	32046207	CC	TT	1940156908
SNP_P1_32875_32046243	NC_021161.1	Ca_kabuli_chr02	32046243	GG	AA	1940156909
SNP_P1_32876_32046276	NC_021161.1	Ca_kabuli_chr02	32046276	TT	CC	1940156910
SNP_P1_32877_32046606	NC_021161.1	Ca_kabuli_chr02	32046606	TT	CC	1940156911
SNP_P1_32878_32048211	NC_021161.1	Ca_kabuli_chr02	32048211	TT	AA	1940156912
SNP_P1_32879_32055210	NC_021161.1	Ca_kabuli_chr02	32055210	AA	CC	1940156913
SNP_P1_32880_32055214	NC_021161.1	Ca_kabuli_chr02	32055214	TT	AA	1940156914
SNP_P1_32881_32056561	NC_021161.1	Ca_kabuli_chr02	32056561	CC	TT	1940156915
SNP_P1_32882_32057044	NC_021161.1	Ca_kabuli_chr02	32057044	GG	AA	1940156916
SNP_P1_32883_32057045	NC_021161.1	Ca_kabuli_chr02	32057045	AA	GG	1940156917

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32885_32057263	NC_021161.1	Ca_kabuli_chr02	32057263	CC	TT	1940156919
SNP_P1_32886_32057390	NC_021161.1	Ca_kabuli_chr02	32057390	TT	GG	1940156921
SNP_P1_32887_32057617	NC_021161.1	Ca_kabuli_chr02	32057617	GG	TT	1940156922
SNP_P1_32888_32057644	NC_021161.1	Ca_kabuli_chr02	32057644	TT	CC	1940156923
SNP_P1_32889_32059890	NC_021161.1	Ca_kabuli_chr02	32059890	GG	AA	1940156924
SNP_P1_32890_32059913	NC_021161.1	Ca_kabuli_chr02	32059913	GG	AA	1940156925
SNP_P1_32891_32059914	NC_021161.1	Ca_kabuli_chr02	32059914	AA	GG	1940156926
SNP_P1_32892_32060134	NC_021161.1	Ca_kabuli_chr02	32060134	CC	TT	1940156927
SNP_P1_32893_32060162	NC_021161.1	Ca_kabuli_chr02	32060162	TT	GG	1940156928
SNP_P1_32894_32060371	NC_021161.1	Ca_kabuli_chr02	32060371	TT	AA	1940156929
SNP_P1_32895_32062585	NC_021161.1	Ca_kabuli_chr02	32062585	GG	CC	1940156930
SNP_P1_32896_32065322	NC_021161.1	Ca_kabuli_chr02	32065322	GG	CC	1940156931
SNP_P1_32897_32070859	NC_021161.1	Ca_kabuli_chr02	32070859	GG	TT	1940156932
SNP_P1_32898_32074774	NC_021161.1	Ca_kabuli_chr02	32074774	AA	GG	1940156933
SNP_P1_32901_32080911	NC_021161.1	Ca_kabuli_chr02	32080911	TT	CC	1940156934
SNP_P1_32902_32082961	NC_021161.1	Ca_kabuli_chr02	32082961	AA	GG	1940156935
SNP_P1_32903_32083348	NC_021161.1	Ca_kabuli_chr02	32083348	AA	GG	1940156936
SNP_P1_32904_32083359	NC_021161.1	Ca_kabuli_chr02	32083359	AA	GG	1940156937
SNP_P1_32905_32083507	NC_021161.1	Ca_kabuli_chr02	32083507	CC	GG	1940156938
SNP_P1_32906_32083561	NC_021161.1	Ca_kabuli_chr02	32083561	TT	CC	1940156939
SNP_P1_32908_32083727	NC_021161.1	Ca_kabuli_chr02	32083727	AA	CC	1940156940
SNP_P1_32909_32083929	NC_021161.1	Ca_kabuli_chr02	32083929	CC	TT	1940156941
SNP_P1_32910_32084044	NC_021161.1	Ca_kabuli_chr02	32084044	TT	CC	1940156942
SNP_P1_32911_32084054	NC_021161.1	Ca_kabuli_chr02	32084054	AA	TT	1940156943
SNP_P1_32912_32084062	NC_021161.1	Ca_kabuli_chr02	32084062	AA	GG	1940156944
SNP_P1_32913_32084071	NC_021161.1	Ca_kabuli_chr02	32084071	TT	CC	1940156945
SNP_P1_32915_32084314	NC_021161.1	Ca_kabuli_chr02	32084314	GG	AA	1940156946
SNP_P1_32916_32084341	NC_021161.1	Ca_kabuli_chr02	32084341	GG	TT	1940156947
SNP_P1_32919_32088931	NC_021161.1	Ca_kabuli_chr02	32088931	CC	GG	1940156948
SNP_P1_32920_32089437	NC_021161.1	Ca_kabuli_chr02	32089437	GG	AA	1940156949
SNP_P1_32921_32089444	NC_021161.1	Ca_kabuli_chr02	32089444	AA	CC	1940156950
SNP_P1_32922_32089515	NC_021161.1	Ca_kabuli_chr02	32089515	GG	AA	1940156951
SNP_P1_32923_32098127	NC_021161.1	Ca_kabuli_chr02	32098127	GG	AA	1940156952
SNP_P1_32924_32099648	NC_021161.1	Ca_kabuli_chr02	32099648	AA	TT	1940156953
SNP_P1_32925_32100202	NC_021161.1	Ca_kabuli_chr02	32100202	GG	TT	1940156954
SNP_P1_32926_32101849	NC_021161.1	Ca_kabuli_chr02	32101849	AA	GG	1940156955
SNP_P1_32928_32103170	NC_021161.1	Ca_kabuli_chr02	32103170	GG	AA	1940156956
SNP_P1_32929_32103177	NC_021161.1	Ca_kabuli_chr02	32103177	GG	AA	1940156957
SNP_P1_32930_32103224	NC_021161.1	Ca_kabuli_chr02	32103224	GG	AA	1940156958
SNP_P1_32931_32103234	NC_021161.1	Ca_kabuli_chr02	32103234	GG	AA	1940156959
SNP_P1_32932_32103242	NC_021161.1	Ca_kabuli_chr02	32103242	CC	TT	1940156960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32935_32110279	NC_021161.1	Ca_kabuli_chr02	32110279	GG	AA	1940156963
SNP_P1_32936_32110317	NC_021161.1	Ca_kabuli_chr02	32110317	CC	AA	1940156964
SNP_P1_32937_32110355	NC_021161.1	Ca_kabuli_chr02	32110355	AA	GG	1940156965
SNP_P1_32938_32111252	NC_021161.1	Ca_kabuli_chr02	32111252	CC	TT	1940156966
SNP_P1_32939_32112003	NC_021161.1	Ca_kabuli_chr02	32112003	TT	CC	1940156967
SNP_P1_32940_32112515	NC_021161.1	Ca_kabuli_chr02	32112515	GG	AA	1940156968
SNP_P1_32941_32112619	NC_021161.1	Ca_kabuli_chr02	32112619	CC	TT	1940156969
SNP_P1_32942_32112952	NC_021161.1	Ca_kabuli_chr02	32112952	AA	GG	1940156970
SNP_P1_32943_32112956	NC_021161.1	Ca_kabuli_chr02	32112956	TT	CC	1940156971
SNP_P1_32944_32112966	NC_021161.1	Ca_kabuli_chr02	32112966	GG	TT	1940156972
SNP_P1_32945_32112972	NC_021161.1	Ca_kabuli_chr02	32112972	GG	AA	1940156973
SNP_P1_32946_32112975	NC_021161.1	Ca_kabuli_chr02	32112975	CC	TT	1940156974
SNP_P1_32947_32113308	NC_021161.1	Ca_kabuli_chr02	32113308	GG	AA	1940156976
SNP_P1_32948_32113415	NC_021161.1	Ca_kabuli_chr02	32113415	AA	TT	1940156977
SNP_P1_32949_32113683	NC_021161.1	Ca_kabuli_chr02	32113683	GG	TT	1940156978
SNP_P1_32950_32113740	NC_021161.1	Ca_kabuli_chr02	32113740	AA	GG	1940156979
SNP_P1_32951_32113803	NC_021161.1	Ca_kabuli_chr02	32113803	TT	AA	1940156980
SNP_P1_32952_32114593	NC_021161.1	Ca_kabuli_chr02	32114593	AA	CC	1940156981
SNP_P1_32953_32116204	NC_021161.1	Ca_kabuli_chr02	32116204	AA	GG	1940156982
SNP_P1_32954_32118436	NC_021161.1	Ca_kabuli_chr02	32118436	CC	TT	1940156983
SNP_P1_32955_32118686	NC_021161.1	Ca_kabuli_chr02	32118686	AA	TT	1940156984
SNP_P1_32956_32118965	NC_021161.1	Ca_kabuli_chr02	32118965	AA	TT	1940156985
SNP_P1_32958_32121642	NC_021161.1	Ca_kabuli_chr02	32121642	TT	GG	1940156986
SNP_P1_32959_32122594	NC_021161.1	Ca_kabuli_chr02	32122594	CC	TT	1940156987
SNP_P1_32960_32122645	NC_021161.1	Ca_kabuli_chr02	32122645	GG	AA	1940156988
SNP_P1_32961_32122923	NC_021161.1	Ca_kabuli_chr02	32122923	TT	CC	1940156989
SNP_P1_32962_32122964	NC_021161.1	Ca_kabuli_chr02	32122964	CC	GG	1940156990
SNP_P1_32963_32125883	NC_021161.1	Ca_kabuli_chr02	32125883	TT	CC	1940156991
SNP_P1_32964_32126379	NC_021161.1	Ca_kabuli_chr02	32126379	GG	AA	1940156992
SNP_P1_32965_32126412	NC_021161.1	Ca_kabuli_chr02	32126412	CC	TT	1940156993
SNP_P1_32966_32126421	NC_021161.1	Ca_kabuli_chr02	32126421	TT	CC	1940156994
SNP_P1_32967_32126914	NC_021161.1	Ca_kabuli_chr02	32126914	AA	CC	1940156995
SNP_P1_32968_32126993	NC_021161.1	Ca_kabuli_chr02	32126993	AA	TT	1940156996
SNP_P1_32970_32127462	NC_021161.1	Ca_kabuli_chr02	32127462	AA	TT	1940156997
SNP_P1_32971_32128629	NC_021161.1	Ca_kabuli_chr02	32128629	CC	AA	1940156998
SNP_P1_32972_32129272	NC_021161.1	Ca_kabuli_chr02	32129272	TT	CC	1940156999
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SNP_P1_32974_32130771	NC_021161.1	Ca_kabuli_chr02	32130771	AA	CC	1940157001
SNP_P1_32975_32130801	NC_021161.1	Ca_kabuli_chr02	32130801	GG	AA	1940157002
SNP_P1_32976_32134442	NC_021161.1	Ca_kabuli_chr02	32134442	GG	AA	1940157003

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_32978_32134514	NC_021161.1	Ca_kabuli_chr02	32134514	AA	GG	1940157005
SNP_P1_32979_32134577	NC_021161.1	Ca_kabuli_chr02	32134577	TT	CC	1940157006
SNP_P1_32980_32134579	NC_021161.1	Ca_kabuli_chr02	32134579	GG	AA	1940157007
SNP_P1_32981_32134773	NC_021161.1	Ca_kabuli_chr02	32134773	TT	CC	1940157008
SNP_P1_32982_32134856	NC_021161.1	Ca_kabuli_chr02	32134856	TT	CC	1940157009
SNP_P1_32984_32136040	NC_021161.1	Ca_kabuli_chr02	32136040	TT	GG	1940157010
SNP_P1_32985_32136055	NC_021161.1	Ca_kabuli_chr02	32136055	TT	AA	1940157011
SNP_P1_32986_32138354	NC_021161.1	Ca_kabuli_chr02	32138354	AA	GG	1940157012
SNP_P1_32987_32138464	NC_021161.1	Ca_kabuli_chr02	32138464	AA	GG	1940157013
SNP_P1_32988_32139311	NC_021161.1	Ca_kabuli_chr02	32139311	AA	TT	1940157014
SNP_P1_32989_32139426	NC_021161.1	Ca_kabuli_chr02	32139426	TT	AA	1940157015
SNP_P1_32990_32139448	NC_021161.1	Ca_kabuli_chr02	32139448	CC	TT	1940157016
SNP_P1_32991_32142751	NC_021161.1	Ca_kabuli_chr02	32142751	AA	TT	1940157017
SNP_P1_32992_32142773	NC_021161.1	Ca_kabuli_chr02	32142773	GG	CC	1940157018
SNP_P1_32993_32143149	NC_021161.1	Ca_kabuli_chr02	32143149	CC	GG	1940157019
SNP_P1_32994_32145129	NC_021161.1	Ca_kabuli_chr02	32145129	TT	CC	1940157020
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SNP_P1_32996_32145299	NC_021161.1	Ca_kabuli_chr02	32145299	TT	AA	1940157022
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SNP_P1_33000_32152403	NC_021161.1	Ca_kabuli_chr02	32152403	CC	TT	1940157025
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SNP_P1_33011_32153624	NC_021161.1	Ca_kabuli_chr02	32153624	TT	AA	1940157036
SNP_P1_33012_32153852	NC_021161.1	Ca_kabuli_chr02	32153852	AA	GG	1940157037
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SNP_P1_33015_32154069	NC_021161.1	Ca_kabuli_chr02	32154069	AA	TT	1940157040
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SNP_P1_33017_32155601	NC_021161.1	Ca_kabuli_chr02	32155601	AA	TT	1940157042
SNP_P1_33018_32155965	NC_021161.1	Ca_kabuli_chr02	32155965	GG	AA	1940157043
SNP_P1_33019_32156271	NC_021161.1	Ca_kabuli_chr02	32156271	CC	TT	1940157044
SNP_P1_33020_32156290	NC_021161.1	Ca_kabuli_chr02	32156290	CC	GG	1940157045
SNP_P1_33021_32156327	NC_021161.1	Ca_kabuli_chr02	32156327	TT	GG	1940157046

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33024_32158471	NC_021161.1	Ca_kabuli_chr02	32158471	AA	TT	1940157049
SNP_P1_33025_32158497	NC_021161.1	Ca_kabuli_chr02	32158497	CC	TT	1940157050
SNP_P1_33026_32158500	NC_021161.1	Ca_kabuli_chr02	32158500	CC	TT	1940157051
SNP_P1_33027_32158531	NC_021161.1	Ca_kabuli_chr02	32158531	CC	GG	1940157052
SNP_P1_33028_32158544	NC_021161.1	Ca_kabuli_chr02	32158544	GG	TT	1940157053
SNP_P1_33029_32158554	NC_021161.1	Ca_kabuli_chr02	32158554	AA	GG	1940157054
SNP_P1_33030_32158565	NC_021161.1	Ca_kabuli_chr02	32158565	CC	GG	1940157055
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SNP_P1_33032_32158577	NC_021161.1	Ca_kabuli_chr02	32158577	GG	AA	1940157057
SNP_P1_33033_32158593	NC_021161.1	Ca_kabuli_chr02	32158593	CC	TT	1940157058
SNP_P1_33034_32158698	NC_021161.1	Ca_kabuli_chr02	32158698	AA	TT	1940157059
SNP_P1_33035_32158871	NC_021161.1	Ca_kabuli_chr02	32158871	AA	GG	1940157060
SNP_P1_33036_32160094	NC_021161.1	Ca_kabuli_chr02	32160094	CC	TT	1940157061
SNP_P1_33037_32160413	NC_021161.1	Ca_kabuli_chr02	32160413	AA	GG	1940157062
SNP_P1_33038_32160515	NC_021161.1	Ca_kabuli_chr02	32160515	GG	TT	1940157063
SNP_P1_33039_32160729	NC_021161.1	Ca_kabuli_chr02	32160729	TT	CC	1940157064
SNP_P1_33040_32160730	NC_021161.1	Ca_kabuli_chr02	32160730	AA	CC	1940157065
SNP_P1_33041_32160760	NC_021161.1	Ca_kabuli_chr02	32160760	AA	GG	1940157066
SNP_P1_33042_32160781	NC_021161.1	Ca_kabuli_chr02	32160781	CC	AA	1940157067
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SNP_P1_33045_32161989	NC_021161.1	Ca_kabuli_chr02	32161989	AA	CC	1940157069
SNP_P1_33046_32162097	NC_021161.1	Ca_kabuli_chr02	32162097	AA	TT	1940157070
SNP_P1_33047_32162098	NC_021161.1	Ca_kabuli_chr02	32162098	AA	TT	1940157071
SNP_P1_33048_32162804	NC_021161.1	Ca_kabuli_chr02	32162804	CC	TT	1940157072
SNP_P1_33049_32162828	NC_021161.1	Ca_kabuli_chr02	32162828	GG	AA	1940157073
SNP_P1_33051_32163699	NC_021161.1	Ca_kabuli_chr02	32163699	TT	CC	1940157074
SNP_P1_33052_32164083	NC_021161.1	Ca_kabuli_chr02	32164083	AA	TT	1940157075
SNP_P1_33053_32164148	NC_021161.1	Ca_kabuli_chr02	32164148	GG	AA	1940157076
SNP_P1_33055_32167671	NC_021161.1	Ca_kabuli_chr02	32167671	TT	CC	1940157077
SNP_P1_33056_32167678	NC_021161.1	Ca_kabuli_chr02	32167678	CC	AA	1940157078
SNP_P1_33057_32167716	NC_021161.1	Ca_kabuli_chr02	32167716	AA	TT	1940157079
SNP_P1_33058_32167873	NC_021161.1	Ca_kabuli_chr02	32167873	AA	GG	1940157080
SNP_P1_33059_32167874	NC_021161.1	Ca_kabuli_chr02	32167874	TT	CC	1940157081
SNP_P1_33060_32168124	NC_021161.1	Ca_kabuli_chr02	32168124	AA	TT	1940157082
SNP_P1_33061_32168305	NC_021161.1	Ca_kabuli_chr02	32168305	TT	AA	1940157083
SNP_P1_33062_32168307	NC_021161.1	Ca_kabuli_chr02	32168307	AA	TT	1940157084
SNP_P1_33064_32170632	NC_021161.1	Ca_kabuli_chr02	32170632	AA	TT	1940157086
SNP_P1_33065_32170714	NC_021161.1	Ca_kabuli_chr02	32170714	TT	CC	1940157087
SNP_P1_33066_32171454	NC_021161.1	Ca_kabuli_chr02	32171454	TT	GG	1940157088
SNP_P1_33067_32171745	NC_021161.1	Ca_kabuli_chr02	32171745	TT	AA	1940157089

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33070_32179029	NC_021161.1	Ca_kabuli_chr02	32179029	AA	CC	1940157091
SNP_P1_33071_32179103	NC_021161.1	Ca_kabuli_chr02	32179103	AA	CC	1940157092
SNP_P1_33072_32179340	NC_021161.1	Ca_kabuli_chr02	32179340	TT	GG	1940157093
SNP_P1_33073_32180539	NC_021161.1	Ca_kabuli_chr02	32180539	AA	CC	1940157094
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SNP_P1_33075_32183074	NC_021161.1	Ca_kabuli_chr02	32183074	CC	TT	1940157096
SNP_P1_33076_32183099	NC_021161.1	Ca_kabuli_chr02	32183099	AA	TT	1940157097
SNP_P1_33077_32200037	NC_021161.1	Ca_kabuli_chr02	32200037	GG	CC	1940157098
SNP_P1_33078_32204165	NC_021161.1	Ca_kabuli_chr02	32204165	AA	TT	1940157099
SNP_P1_33079_32208817	NC_021161.1	Ca_kabuli_chr02	32208817	TT	CC	1940157100
SNP_P1_33080_32208822	NC_021161.1	Ca_kabuli_chr02	32208822	GG	AA	1940157101
SNP_P1_33081_32208937	NC_021161.1	Ca_kabuli_chr02	32208937	TT	CC	1940157102
SNP_P1_33082_32209005	NC_021161.1	Ca_kabuli_chr02	32209005	TT	AA	1940157103
SNP_P1_33083_32209035	NC_021161.1	Ca_kabuli_chr02	32209035	TT	AA	1940157104
SNP_P1_33085_32209145	NC_021161.1	Ca_kabuli_chr02	32209145	GG	TT	1940157105
SNP_P1_33086_32209171	NC_021161.1	Ca_kabuli_chr02	32209171	AA	CC	1940157106
SNP_P1_33087_32209179	NC_021161.1	Ca_kabuli_chr02	32209179	GG	AA	1940157107
SNP_P1_33088_32209201	NC_021161.1	Ca_kabuli_chr02	32209201	AA	TT	1940157108
SNP_P1_33089_32209208	NC_021161.1	Ca_kabuli_chr02	32209208	CC	TT	1940157109
SNP_P1_33090_32209291	NC_021161.1	Ca_kabuli_chr02	32209291	GG	CC	1940157110
SNP_P1_33091_32209319	NC_021161.1	Ca_kabuli_chr02	32209319	CC	AA	1940157111
SNP_P1_33093_32209368	NC_021161.1	Ca_kabuli_chr02	32209368	TT	CC	1940157112
SNP_P1_33094_32209396	NC_021161.1	Ca_kabuli_chr02	32209396	TT	AA	1940157113
SNP_P1_33095_32209427	NC_021161.1	Ca_kabuli_chr02	32209427	AA	CC	1940157114
SNP_P1_33096_32209429	NC_021161.1	Ca_kabuli_chr02	32209429	AA	TT	1940157115
SNP_P1_33097_32209435	NC_021161.1	Ca_kabuli_chr02	32209435	GG	AA	1940157116
SNP_P1_33098_32209468	NC_021161.1	Ca_kabuli_chr02	32209468	TT	AA	1940157117
SNP_P1_33099_32209479	NC_021161.1	Ca_kabuli_chr02	32209479	CC	TT	1940157118
SNP_P1_33100_32209606	NC_021161.1	Ca_kabuli_chr02	32209606	GG	AA	1940157119
SNP_P1_33101_32209621	NC_021161.1	Ca_kabuli_chr02	32209621	TT	CC	1940157120
SNP_P1_33102_32209631	NC_021161.1	Ca_kabuli_chr02	32209631	GG	TT	1940157121
SNP_P1_33103_32209648	NC_021161.1	Ca_kabuli_chr02	32209648	CC	GG	1940157122
SNP_P1_33104_32209663	NC_021161.1	Ca_kabuli_chr02	32209663	AA	CC	1940157123
SNP_P1_33106_32209729	NC_021161.1	Ca_kabuli_chr02	32209729	TT	AA	1940157124
SNP_P1_33107_32209742	NC_021161.1	Ca_kabuli_chr02	32209742	AA	CC	1940157125
SNP_P1_33108_32209766	NC_021161.1	Ca_kabuli_chr02	32209766	AA	GG	1940157126
SNP_P1_33109_32209793	NC_021161.1	Ca_kabuli_chr02	32209793	AA	CC	1940157127
SNP_P1_33110_32209845	NC_021161.1	Ca_kabuli_chr02	32209845	GG	AA	1940157128
SNP_P1_33111_32209871	NC_021161.1	Ca_kabuli_chr02	32209871	GG	CC	1940157129
SNP_P1_33112_32209927	NC_021161.1	Ca_kabuli_chr02	32209927	CC	GG	1940157130
SNP_P1_33113_32209990	NC_021161.1	Ca_kabuli_chr02	32209990	CC	TT	1940157131

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33115_32210049	NC_021161.1	Ca_kabuli_chr02	32210049	AA	GG	1940157133
SNP_P1_33117_32210189	NC_021161.1	Ca_kabuli_chr02	32210189	AA	TT	1940157134
SNP_P1_33119_32210302	NC_021161.1	Ca_kabuli_chr02	32210302	GG	AA	1940157135
SNP_P1_33120_32211571	NC_021161.1	Ca_kabuli_chr02	32211571	AA	TT	1940157137
SNP_P1_33121_32211592	NC_021161.1	Ca_kabuli_chr02	32211592	GG	TT	1940157138
SNP_P1_33123_32211870	NC_021161.1	Ca_kabuli_chr02	32211870	AA	TT	1940157139
SNP_P1_33124_32211898	NC_021161.1	Ca_kabuli_chr02	32211898	TT	GG	1940157140
SNP_P1_33126_32212178	NC_021161.1	Ca_kabuli_chr02	32212178	CC	AA	1940157141
SNP_P1_33127_32212180	NC_021161.1	Ca_kabuli_chr02	32212180	TT	CC	1940157142
SNP_P1_33128_32212260	NC_021161.1	Ca_kabuli_chr02	32212260	CC	TT	1940157143
SNP_P1_33129_32212491	NC_021161.1	Ca_kabuli_chr02	32212491	CC	TT	1940157144
SNP_P1_33130_32212607	NC_021161.1	Ca_kabuli_chr02	32212607	TT	AA	1940157145
SNP_P1_33133_32213346	NC_021161.1	Ca_kabuli_chr02	32213346	CC	TT	1940157146
SNP_P1_33134_32213351	NC_021161.1	Ca_kabuli_chr02	32213351	CC	TT	1940157147
SNP_P1_33135_32213354	NC_021161.1	Ca_kabuli_chr02	32213354	GG	AA	1940157148
SNP_P1_33136_32213382	NC_021161.1	Ca_kabuli_chr02	32213382	TT	AA	1940157149
SNP_P1_33137_32213420	NC_021161.1	Ca_kabuli_chr02	32213420	GG	AA	1940157150
SNP_P1_33139_32213793	NC_021161.1	Ca_kabuli_chr02	32213793	CC	TT	1940157151
SNP_P1_33140_32213807	NC_021161.1	Ca_kabuli_chr02	32213807	CC	TT	1940157152
SNP_P1_33142_32214942	NC_021161.1	Ca_kabuli_chr02	32214942	TT	CC	1940157153
SNP_P1_33143_32214969	NC_021161.1	Ca_kabuli_chr02	32214969	TT	GG	1940157154
SNP_P1_33144_32216465	NC_021161.1	Ca_kabuli_chr02	32216465	CC	TT	1940157155
SNP_P1_33145_32219221	NC_021161.1	Ca_kabuli_chr02	32219221	CC	AA	1940157156
SNP_P1_33146_32219234	NC_021161.1	Ca_kabuli_chr02	32219234	TT	CC	1940157157
SNP_P1_33147_32220639	NC_021161.1	Ca_kabuli_chr02	32220639	AA	TT	1940157158
SNP_P1_33148_32220640	NC_021161.1	Ca_kabuli_chr02	32220640	AA	TT	1940157159
SNP_P1_33149_32222527	NC_021161.1	Ca_kabuli_chr02	32222527	TT	CC	1940157160
SNP_P1_33150_32222551	NC_021161.1	Ca_kabuli_chr02	32222551	CC	AA	1940157161
SNP_P1_33151_32222665	NC_021161.1	Ca_kabuli_chr02	32222665	GG	AA	1940157162
SNP_P1_33152_32222927	NC_021161.1	Ca_kabuli_chr02	32222927	AA	GG	1940157163
SNP_P1_33153_32222940	NC_021161.1	Ca_kabuli_chr02	32222940	CC	GG	1940157164
SNP_P1_33154_32222942	NC_021161.1	Ca_kabuli_chr02	32222942	TT	CC	1940157165
SNP_P1_33155_32222975	NC_021161.1	Ca_kabuli_chr02	32222975	CC	TT	1940157166
SNP_P1_33156_32223049	NC_021161.1	Ca_kabuli_chr02	32223049	GG	AA	1940157167
SNP_P1_33157_32228302	NC_021161.1	Ca_kabuli_chr02	32228302	AA	GG	1940157168
SNP_P1_33159_32236943	NC_021161.1	Ca_kabuli_chr02	32236943	AA	TT	1940157169
SNP_P1_33160_32236949	NC_021161.1	Ca_kabuli_chr02	32236949	CC	TT	1940157170
SNP_P1_33161_32238057	NC_021161.1	Ca_kabuli_chr02	32238057	CC	GG	1940157171
SNP_P1_33162_32238888	NC_021161.1	Ca_kabuli_chr02	32238888	TT	GG	1940157172
SNP_P1_33164_32242731	NC_021161.1	Ca_kabuli_chr02	32242731	CC	AA	1940157173
SNP_P1_33166_32243530	NC_021161.1	Ca_kabuli_chr02	32243530	TT	AA	1940157174

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33168_32245452	NC_021161.1	Ca_kabuli_chr02	32245452	TT	CC	1940157176
SNP_P1_33169_32245459	NC_021161.1	Ca_kabuli_chr02	32245459	AA	GG	1940157177
SNP_P1_33170_32245481	NC_021161.1	Ca_kabuli_chr02	32245481	TT	CC	1940157178
SNP_P1_33171_32245492	NC_021161.1	Ca_kabuli_chr02	32245492	AA	GG	1940157179
SNP_P1_33172_32245750	NC_021161.1	Ca_kabuli_chr02	32245750	CC	AA	1940157180
SNP_P1_33173_32245763	NC_021161.1	Ca_kabuli_chr02	32245763	TT	CC	1940157181
SNP_P1_33174_32246427	NC_021161.1	Ca_kabuli_chr02	32246427	TT	CC	1940157182
SNP_P1_33175_32246457	NC_021161.1	Ca_kabuli_chr02	32246457	TT	GG	1940157183
SNP_P1_33176_32246511	NC_021161.1	Ca_kabuli_chr02	32246511	TT	CC	1940157184
SNP_P1_33177_32247200	NC_021161.1	Ca_kabuli_chr02	32247200	TT	CC	1940157185
SNP_P1_33178_32247753	NC_021161.1	Ca_kabuli_chr02	32247753	CC	TT	1940157187
SNP_P1_33179_32247814	NC_021161.1	Ca_kabuli_chr02	32247814	AA	GG	1940157188
SNP_P1_33180_32247840	NC_021161.1	Ca_kabuli_chr02	32247840	AA	GG	1940157189
SNP_P1_33181_32249198	NC_021161.1	Ca_kabuli_chr02	32249198	GG	AA	1940157190
SNP_P1_33182_32249257	NC_021161.1	Ca_kabuli_chr02	32249257	TT	CC	1940157191
SNP_P1_33183_32249964	NC_021161.1	Ca_kabuli_chr02	32249964	CC	TT	1940157192
SNP_P1_33185_32251021	NC_021161.1	Ca_kabuli_chr02	32251021	CC	TT	1940157193
SNP_P1_33186_32251377	NC_021161.1	Ca_kabuli_chr02	32251377	GG	AA	1940157194
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SNP_P1_33190_32251902	NC_021161.1	Ca_kabuli_chr02	32251902	GG	AA	1940157198
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SNP_P1_33195_32254208	NC_021161.1	Ca_kabuli_chr02	32254208	GG	TT	1940157203
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SNP_P1_33198_32255937	NC_021161.1	Ca_kabuli_chr02	32255937	TT	CC	1940157206
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SNP_P1_33200_32256063	NC_021161.1	Ca_kabuli_chr02	32256063	CC	AA	1940157208
SNP_P1_33201_32256775	NC_021161.1	Ca_kabuli_chr02	32256775	GG	AA	1940157209
SNP_P1_33202_32256779	NC_021161.1	Ca_kabuli_chr02	32256779	GG	AA	1940157210
SNP_P1_33203_32257651	NC_021161.1	Ca_kabuli_chr02	32257651	AA	TT	1940157211
SNP_P1_33204_32258988	NC_021161.1	Ca_kabuli_chr02	32258988	TT	AA	1940157212
SNP_P1_33205_32259025	NC_021161.1	Ca_kabuli_chr02	32259025	GG	AA	1940157213
SNP_P1_33207_32259713	NC_021161.1	Ca_kabuli_chr02	32259713	CC	GG	1940157214
SNP_P1_33208_32259717	NC_021161.1	Ca_kabuli_chr02	32259717	GG	AA	1940157215
SNP_P1_33209_32259982	NC_021161.1	Ca_kabuli_chr02	32259982	GG	TT	1940157216
SNP_P1_33210_32259984	NC_021161.1	Ca_kabuli_chr02	32259984	AA	TT	1940157217

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33213_32262721	NC_021161.1	Ca_kabuli_chr02	32262721	AA	GG	1940157220
SNP_P1_33214_32263115	NC_021161.1	Ca_kabuli_chr02	32263115	AA	GG	1940157221
SNP_P1_33216_32263499	NC_021161.1	Ca_kabuli_chr02	32263499	GG	CC	1940157222
SNP_P1_33217_32263770	NC_021161.1	Ca_kabuli_chr02	32263770	TT	GG	1940157223
SNP_P1_33219_32264779	NC_021161.1	Ca_kabuli_chr02	32264779	GG	AA	1940157224
SNP_P1_33220_32265216	NC_021161.1	Ca_kabuli_chr02	32265216	TT	CC	1940157225
SNP_P1_33221_32265253	NC_021161.1	Ca_kabuli_chr02	32265253	AA	GG	1940157226
SNP_P1_33222_32265256	NC_021161.1	Ca_kabuli_chr02	32265256	CC	TT	1940157227
SNP_P1_33223_32265454	NC_021161.1	Ca_kabuli_chr02	32265454	TT	AA	1940157228
SNP_P1_33224_32265460	NC_021161.1	Ca_kabuli_chr02	32265460	CC	AA	1940157229
SNP_P1_33225_32265516	NC_021161.1	Ca_kabuli_chr02	32265516	GG	AA	1940157230
SNP_P1_33226_32265518	NC_021161.1	Ca_kabuli_chr02	32265518	AA	GG	1940157231
SNP_P1_33227_32266102	NC_021161.1	Ca_kabuli_chr02	32266102	AA	GG	1940157232
SNP_P1_33228_32266126	NC_021161.1	Ca_kabuli_chr02	32266126	CC	AA	1940157233
SNP_P1_33229_32266363	NC_021161.1	Ca_kabuli_chr02	32266363	TT	GG	1940157234
SNP_P1_33230_32266384	NC_021161.1	Ca_kabuli_chr02	32266384	GG	AA	1940157235
SNP_P1_33231_32266403	NC_021161.1	Ca_kabuli_chr02	32266403	TT	CC	1940157236
SNP_P1_33232_32266948	NC_021161.1	Ca_kabuli_chr02	32266948	AA	TT	1940157238
SNP_P1_33233_32267310	NC_021161.1	Ca_kabuli_chr02	32267310	TT	GG	1940157239
SNP_P1_33234_32267376	NC_021161.1	Ca_kabuli_chr02	32267376	GG	AA	1940157240
SNP_P1_33235_32267539	NC_021161.1	Ca_kabuli_chr02	32267539	AA	GG	1940157241
SNP_P1_33236_32267546	NC_021161.1	Ca_kabuli_chr02	32267546	TT	CC	1940157242
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SNP_P1_33238_32269251	NC_021161.1	Ca_kabuli_chr02	32269251	GG	AA	1940157244
SNP_P1_33239_32269975	NC_021161.1	Ca_kabuli_chr02	32269975	CC	TT	1940157245
SNP_P1_33240_32270933	NC_021161.1	Ca_kabuli_chr02	32270933	AA	GG	1940157246
SNP_P1_33241_32270966	NC_021161.1	Ca_kabuli_chr02	32270966	GG	CC	1940157247
SNP_P1_33242_32271647	NC_021161.1	Ca_kabuli_chr02	32271647	AA	CC	1940157248
SNP_P1_33243_32272368	NC_021161.1	Ca_kabuli_chr02	32272368	AA	GG	1940157249
SNP_P1_33244_32272435	NC_021161.1	Ca_kabuli_chr02	32272435	AA	GG	1940157250
SNP_P1_33245_32273007	NC_021161.1	Ca_kabuli_chr02	32273007	AA	CC	1940157251
SNP_P1_33246_32274708	NC_021161.1	Ca_kabuli_chr02	32274708	CC	TT	1940157252
SNP_P1_33247_32280300	NC_021161.1	Ca_kabuli_chr02	32280300	TT	CC	1940157253
SNP_P1_33249_32288238	NC_021161.1	Ca_kabuli_chr02	32288238	CC	TT	1940157254
SNP_P1_33250_32288475	NC_021161.1	Ca_kabuli_chr02	32288475	CC	AA	1940157255
SNP_P1_33251_32289390	NC_021161.1	Ca_kabuli_chr02	32289390	TT	CC	1940157256
SNP_P1_33252_32290479	NC_021161.1	Ca_kabuli_chr02	32290479	CC	TT	1940157257
SNP_P1_33253_32290568	NC_021161.1	Ca_kabuli_chr02	32290568	CC	TT	1940157258
SNP_P1_33254_32290611	NC_021161.1	Ca_kabuli_chr02	32290611	CC	TT	1940157259
SNP_P1_33255_32290650	NC_021161.1	Ca_kabuli_chr02	32290650	AA	GG	1940157260

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_33256_32290652	NC_021161.1	Ca_kabuli_chr02	32290652	GG	AA	1940157261
SNP_P1_33257_32290704	NC_021161.1	Ca_kabuli_chr02	32290704	AA	GG	1940157262
SNP_P1_33258_32290808	NC_021161.1	Ca_kabuli_chr02	32290808	AA	TT	1940157263
SNP_P1_33259_32291315	NC_021161.1	Ca_kabuli_chr02	32291315	TT	CC	1940157264
SNP_P1_33260_32291332	NC_021161.1	Ca_kabuli_chr02	32291332	CC	TT	1940157265
SNP_P1_33261_32291565	NC_021161.1	Ca_kabuli_chr02	32291565	AA	GG	1940157266
SNP_P1_33262_32291633	NC_021161.1	Ca_kabuli_chr02	32291633	CC	TT	1940157267
SNP_P1_33263_32291894	NC_021161.1	Ca_kabuli_chr02	32291894	AA	CC	1940157268
SNP_P1_33264_32292183	NC_021161.1	Ca_kabuli_chr02	32292183	AA	GG	1940157269
SNP_P1_33265_32292210	NC_021161.1	Ca_kabuli_chr02	32292210	AA	GG	1940157270
SNP_P1_33266_32292947	NC_021161.1	Ca_kabuli_chr02	32292947	TT	CC	1940157271
SNP_P1_33267_32293115	NC_021161.1	Ca_kabuli_chr02	32293115	CC	AA	1940157272
SNP_P1_33268_32293117	NC_021161.1	Ca_kabuli_chr02	32293117	GG	AA	1940157273
SNP_P1_33269_32293119	NC_021161.1	Ca_kabuli_chr02	32293119	CC	TT	1940157274
SNP_P1_33270_32293136	NC_021161.1	Ca_kabuli_chr02	32293136	CC	GG	1940157275
SNP_P1_33271_32293315	NC_021161.1	Ca_kabuli_chr02	32293315	CC	TT	1940157276
SNP_P1_33273_32294691	NC_021161.1	Ca_kabuli_chr02	32294691	AA	TT	1940157277
SNP_P1_33274_32296326	NC_021161.1	Ca_kabuli_chr02	32296326	GG	AA	1940157278
SNP_P1_33275_32296544	NC_021161.1	Ca_kabuli_chr02	32296544	TT	CC	1940157279
SNP_P1_33276_32316858	NC_021161.1	Ca_kabuli_chr02	32316858	CC	TT	1940157280
SNP_P1_33277_32325442	NC_021161.1	Ca_kabuli_chr02	32325442	AA	GG	1940157281
SNP_P1_33278_32327223	NC_021161.1	Ca_kabuli_chr02	32327223	AA	GG	1940157283
SNP_P1_33279_32328002	NC_021161.1	Ca_kabuli_chr02	32328002	AA	GG	1940157284
SNP_P1_33280_32328003	NC_021161.1	Ca_kabuli_chr02	32328003	CC	TT	1940157285
SNP_P1_33281_32329175	NC_021161.1	Ca_kabuli_chr02	32329175	AA	CC	1940157286
SNP_P1_33282_32330351	NC_021161.1	Ca_kabuli_chr02	32330351	GG	AA	1940157287
SNP_P1_33283_32330714	NC_021161.1	Ca_kabuli_chr02	32330714	TT	AA	1940157288
SNP_P1_33284_32330715	NC_021161.1	Ca_kabuli_chr02	32330715	GG	TT	1940157289
SNP_P1_33285_32330822	NC_021161.1	Ca_kabuli_chr02	32330822	CC	TT	1940157290
SNP_P1_33286_32330853	NC_021161.1	Ca_kabuli_chr02	32330853	AA	GG	1940157291
SNP_P1_33287_32330972	NC_021161.1	Ca_kabuli_chr02	32330972	CC	TT	1940157292
SNP_P1_33288_32330975	NC_021161.1	Ca_kabuli_chr02	32330975	TT	CC	1940157293
SNP_P1_33289_32330976	NC_021161.1	Ca_kabuli_chr02	32330976	GG	AA	1940157294
SNP_P1_33290_32331995	NC_021161.1	Ca_kabuli_chr02	32331995	AA	TT	1940157295
SNP_P1_33291_32332055	NC_021161.1	Ca_kabuli_chr02	32332055	GG	TT	1940157296
SNP_P1_33292_32332062	NC_021161.1	Ca_kabuli_chr02	32332062	TT	CC	1940157297
SNP_P1_33294_32334151	NC_021161.1	Ca_kabuli_chr02	32334151	CC	AA	1940157298
SNP_P1_33295_32334152	NC_021161.1	Ca_kabuli_chr02	32334152	GG	AA	1940157299
SNP_P1_33296_32334536	NC_021161.1	Ca_kabuli_chr02	32334536	AA	TT	1940157300
SNP_P1_33297_32339308	NC_021161.1	Ca_kabuli_chr02	32339308	TT	GG	1940157301
SNP_P1_33298_32339336	NC_021161.1	Ca_kabuli_chr02	32339336	AA	GG	1940157302
SNP_P1_33299_32339337	NC_021161.1	Ca_kabuli_chr02	32339337	TT	CC	1940157303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33301_32339458	NC_021161.1	Ca_kabuli_chr02	32339458	TT	CC	1940157305
SNP_P1_33302_32339460	NC_021161.1	Ca_kabuli_chr02	32339460	GG	AA	1940157306
SNP_P1_33303_32339485	NC_021161.1	Ca_kabuli_chr02	32339485	GG	AA	1940157307
SNP_P1_33304_32339491	NC_021161.1	Ca_kabuli_chr02	32339491	GG	AA	1940157308
SNP_P1_33305_32339499	NC_021161.1	Ca_kabuli_chr02	32339499	CC	GG	1940157309
SNP_P1_33306_32339518	NC_021161.1	Ca_kabuli_chr02	32339518	TT	CC	1940157310
SNP_P1_33307_32339529	NC_021161.1	Ca_kabuli_chr02	32339529	TT	AA	1940157311
SNP_P1_33308_32339538	NC_021161.1	Ca_kabuli_chr02	32339538	CC	TT	1940157312
SNP_P1_33309_32339640	NC_021161.1	Ca_kabuli_chr02	32339640	TT	AA	1940157313
SNP_P1_33310_32339644	NC_021161.1	Ca_kabuli_chr02	32339644	CC	TT	1940157314
SNP_P1_33311_32339645	NC_021161.1	Ca_kabuli_chr02	32339645	CC	GG	1940157315
SNP_P1_33312_32339712	NC_021161.1	Ca_kabuli_chr02	32339712	CC	TT	1940157316
SNP_P1_33313_32339738	NC_021161.1	Ca_kabuli_chr02	32339738	TT	CC	1940157317
SNP_P1_33314_32339749	NC_021161.1	Ca_kabuli_chr02	32339749	CC	TT	1940157318
SNP_P1_33315_32339800	NC_021161.1	Ca_kabuli_chr02	32339800	CC	GG	1940157319
SNP_P1_33316_32339804	NC_021161.1	Ca_kabuli_chr02	32339804	CC	TT	1940157320
SNP_P1_33317_32339808	NC_021161.1	Ca_kabuli_chr02	32339808	CC	TT	1940157321
SNP_P1_33318_32339824	NC_021161.1	Ca_kabuli_chr02	32339824	TT	CC	1940157322
SNP_P1_33319_32339911	NC_021161.1	Ca_kabuli_chr02	32339911	CC	TT	1940157323
SNP_P1_33320_32339964	NC_021161.1	Ca_kabuli_chr02	32339964	TT	CC	1940157324
SNP_P1_33321_32340050	NC_021161.1	Ca_kabuli_chr02	32340050	GG	AA	1940157325
SNP_P1_33322_32340108	NC_021161.1	Ca_kabuli_chr02	32340108	TT	CC	1940157326
SNP_P1_33324_32340405	NC_021161.1	Ca_kabuli_chr02	32340405	TT	CC	1940157327
SNP_P1_33325_32340654	NC_021161.1	Ca_kabuli_chr02	32340654	GG	AA	1940157329
SNP_P1_33326_32340705	NC_021161.1	Ca_kabuli_chr02	32340705	CC	TT	1940157330
SNP_P1_33327_32340772	NC_021161.1	Ca_kabuli_chr02	32340772	TT	CC	1940157331
SNP_P1_33328_32340927	NC_021161.1	Ca_kabuli_chr02	32340927	CC	GG	1940157332
SNP_P1_33331_32341388	NC_021161.1	Ca_kabuli_chr02	32341388	AA	TT	1940157333
SNP_P1_33332_32342258	NC_021161.1	Ca_kabuli_chr02	32342258	AA	TT	1940157334
SNP_P1_33333_32342292	NC_021161.1	Ca_kabuli_chr02	32342292	GG	AA	1940157335
SNP_P1_33334_32342781	NC_021161.1	Ca_kabuli_chr02	32342781	GG	AA	1940157336
SNP_P1_33335_32342978	NC_021161.1	Ca_kabuli_chr02	32342978	TT	CC	1940157337
SNP_P1_33336_32344725	NC_021161.1	Ca_kabuli_chr02	32344725	GG	TT	1940157338
SNP_P1_33338_32347231	NC_021161.1	Ca_kabuli_chr02	32347231	GG	TT	1940157339
SNP_P1_33339_32347232	NC_021161.1	Ca_kabuli_chr02	32347232	CC	TT	1940157340
SNP_P1_33340_32348565	NC_021161.1	Ca_kabuli_chr02	32348565	TT	GG	1940157341
SNP_P1_33342_32348793	NC_021161.1	Ca_kabuli_chr02	32348793	AA	GG	1940157342
SNP_P1_33343_32348870	NC_021161.1	Ca_kabuli_chr02	32348870	CC	TT	1940157343
SNP_P1_33344_32348891	NC_021161.1	Ca_kabuli_chr02	32348891	TT	AA	1940157344
SNP_P1_33345_32348922	NC_021161.1	Ca_kabuli_chr02	32348922	AA	GG	1940157345
SNP_P1_33346_32348933	NC_021161.1	Ca_kabuli_chr02	32348933	GG	AA	1940157346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33350_32350490	NC_021161.1	Ca_kabuli_chr02	32350490	AA	CC	1940157348
SNP_P1_33351_32350494	NC_021161.1	Ca_kabuli_chr02	32350494	CC	TT	1940157349
SNP_P1_33352_32350566	NC_021161.1	Ca_kabuli_chr02	32350566	TT	AA	1940157350
SNP_P1_33353_32351741	NC_021161.1	Ca_kabuli_chr02	32351741	AA	GG	1940157351
SNP_P1_33354_32351821	NC_021161.1	Ca_kabuli_chr02	32351821	TT	CC	1940157352
SNP_P1_33355_32352635	NC_021161.1	Ca_kabuli_chr02	32352635	TT	CC	1940157353
SNP_P1_33357_32353330	NC_021161.1	Ca_kabuli_chr02	32353330	GG	AA	1940157354
SNP_P1_33358_32353341	NC_021161.1	Ca_kabuli_chr02	32353341	GG	TT	1940157355
SNP_P1_33359_32353400	NC_021161.1	Ca_kabuli_chr02	32353400	CC	TT	1940157356
SNP_P1_33361_32353661	NC_021161.1	Ca_kabuli_chr02	32353661	AA	CC	1940157357
SNP_P1_33362_32353686	NC_021161.1	Ca_kabuli_chr02	32353686	CC	TT	1940157358
SNP_P1_33363_32355766	NC_021161.1	Ca_kabuli_chr02	32355766	TT	GG	1940157359
SNP_P1_33364_32355781	NC_021161.1	Ca_kabuli_chr02	32355781	AA	GG	1940157360
SNP_P1_33366_32356017	NC_021161.1	Ca_kabuli_chr02	32356017	GG	AA	1940157361
SNP_P1_33367_32356027	NC_021161.1	Ca_kabuli_chr02	32356027	GG	AA	1940157362
SNP_P1_33368_32356302	NC_021161.1	Ca_kabuli_chr02	32356302	GG	CC	1940157363
SNP_P1_33369_32356303	NC_021161.1	Ca_kabuli_chr02	32356303	AA	CC	1940157364
SNP_P1_33370_32356334	NC_021161.1	Ca_kabuli_chr02	32356334	CC	TT	1940157365
SNP_P1_33372_32357822	NC_021161.1	Ca_kabuli_chr02	32357822	TT	CC	1940157366
SNP_P1_33373_32357887	NC_021161.1	Ca_kabuli_chr02	32357887	TT	GG	1940157367
SNP_P1_33374_32357931	NC_021161.1	Ca_kabuli_chr02	32357931	CC	TT	1940157368
SNP_P1_33375_32358037	NC_021161.1	Ca_kabuli_chr02	32358037	CC	TT	1940157369
SNP_P1_33376_32358220	NC_021161.1	Ca_kabuli_chr02	32358220	AA	TT	1940157370
SNP_P1_33377_32358250	NC_021161.1	Ca_kabuli_chr02	32358250	GG	AA	1940157371
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SNP_P1_33380_32359296	NC_021161.1	Ca_kabuli_chr02	32359296	AA	TT	1940157373
SNP_P1_33382_32359718	NC_021161.1	Ca_kabuli_chr02	32359718	AA	GG	1940157374
SNP_P1_33383_32359721	NC_021161.1	Ca_kabuli_chr02	32359721	GG	AA	1940157375
SNP_P1_33385_32360014	NC_021161.1	Ca_kabuli_chr02	32360014	GG	AA	1940157376
SNP_P1_33386_32360025	NC_021161.1	Ca_kabuli_chr02	32360025	GG	AA	1940157378
SNP_P1_33387_32360108	NC_021161.1	Ca_kabuli_chr02	32360108	AA	GG	1940157379
SNP_P1_33388_32360166	NC_021161.1	Ca_kabuli_chr02	32360166	AA	TT	1940157380
SNP_P1_33389_32360316	NC_021161.1	Ca_kabuli_chr02	32360316	CC	GG	1940157381
SNP_P1_33390_32360326	NC_021161.1	Ca_kabuli_chr02	32360326	TT	CC	1940157382
SNP_P1_33391_32360338	NC_021161.1	Ca_kabuli_chr02	32360338	CC	TT	1940157383
SNP_P1_33392_32360363	NC_021161.1	Ca_kabuli_chr02	32360363	GG	AA	1940157384
SNP_P1_33393_32360372	NC_021161.1	Ca_kabuli_chr02	32360372	CC	TT	1940157385
SNP_P1_33394_32360638	NC_021161.1	Ca_kabuli_chr02	32360638	AA	TT	1940157386
SNP_P1_33395_32360697	NC_021161.1	Ca_kabuli_chr02	32360697	CC	TT	1940157387
SNP_P1_33396_32361561	NC_021161.1	Ca_kabuli_chr02	32361561	CC	GG	1940157388
SNP_P1_33398_32361900	NC_021161.1	Ca_kabuli_chr02	32361900	TT	CC	1940157389

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33400_32361992	NC_021161.1	Ca_kabuli_chr02	32361992	AA	GG	1940157391
SNP_P1_33402_32362240	NC_021161.1	Ca_kabuli_chr02	32362240	TT	CC	1940157392
SNP_P1_33403_32362327	NC_021161.1	Ca_kabuli_chr02	32362327	GG	AA	1940157393
SNP_P1_33404_32362420	NC_021161.1	Ca_kabuli_chr02	32362420	TT	GG	1940157394
SNP_P1_33405_32362464	NC_021161.1	Ca_kabuli_chr02	32362464	AA	GG	1940157395
SNP_P1_33408_32363803	NC_021161.1	Ca_kabuli_chr02	32363803	AA	GG	1940157396
SNP_P1_33409_32365533	NC_021161.1	Ca_kabuli_chr02	32365533	TT	AA	1940157397
SNP_P1_33411_32365913	NC_021161.1	Ca_kabuli_chr02	32365913	TT	AA	1940157398
SNP_P1_33412_32365924	NC_021161.1	Ca_kabuli_chr02	32365924	TT	CC	1940157399
SNP_P1_33413_32365927	NC_021161.1	Ca_kabuli_chr02	32365927	TT	AA	1940157400
SNP_P1_33414_32365932	NC_021161.1	Ca_kabuli_chr02	32365932	GG	AA	1940157401
SNP_P1_33415_32366277	NC_021161.1	Ca_kabuli_chr02	32366277	GG	CC	1940157402
SNP_P1_33416_32366331	NC_021161.1	Ca_kabuli_chr02	32366331	GG	AA	1940157404
SNP_P1_33417_32367266	NC_021161.1	Ca_kabuli_chr02	32367266	CC	TT	1940157405
SNP_P1_33418_32367487	NC_021161.1	Ca_kabuli_chr02	32367487	CC	AA	1940157406
SNP_P1_33419_32368521	NC_021161.1	Ca_kabuli_chr02	32368521	GG	AA	1940157407
SNP_P1_33420_32368528	NC_021161.1	Ca_kabuli_chr02	32368528	CC	AA	1940157408
SNP_P1_33421_32369529	NC_021161.1	Ca_kabuli_chr02	32369529	CC	TT	1940157409
SNP_P1_33423_32369855	NC_021161.1	Ca_kabuli_chr02	32369855	CC	TT	1940157410
SNP_P1_33424_32369867	NC_021161.1	Ca_kabuli_chr02	32369867	AA	CC	1940157411
SNP_P1_33425_32370005	NC_021161.1	Ca_kabuli_chr02	32370005	AA	TT	1940157412
SNP_P1_33426_32370088	NC_021161.1	Ca_kabuli_chr02	32370088	AA	CC	1940157413
SNP_P1_33427_32370345	NC_021161.1	Ca_kabuli_chr02	32370345	AA	TT	1940157414
SNP_P1_33428_32370996	NC_021161.1	Ca_kabuli_chr02	32370996	GG	AA	1940157415
SNP_P1_33429_32371008	NC_021161.1	Ca_kabuli_chr02	32371008	GG	TT	1940157416
SNP_P1_33430_32371052	NC_021161.1	Ca_kabuli_chr02	32371052	TT	GG	1940157417
SNP_P1_33431_32371653	NC_021161.1	Ca_kabuli_chr02	32371653	TT	AA	1940157418
SNP_P1_33432_32371683	NC_021161.1	Ca_kabuli_chr02	32371683	GG	AA	1940157419
SNP_P1_33433_32371766	NC_021161.1	Ca_kabuli_chr02	32371766	TT	CC	1940157420
SNP_P1_33434_32371920	NC_021161.1	Ca_kabuli_chr02	32371920	CC	AA	1940157421
SNP_P1_33435_32372001	NC_021161.1	Ca_kabuli_chr02	32372001	AA	GG	1940157422
SNP_P1_33436_32372016	NC_021161.1	Ca_kabuli_chr02	32372016	CC	AA	1940157423
SNP_P1_33437_32372441	NC_021161.1	Ca_kabuli_chr02	32372441	AA	TT	1940157424
SNP_P1_33438_32372442	NC_021161.1	Ca_kabuli_chr02	32372442	CC	TT	1940157425
SNP_P1_33439_32372443	NC_021161.1	Ca_kabuli_chr02	32372443	CC	TT	1940157426
SNP_P1_33440_32372489	NC_021161.1	Ca_kabuli_chr02	32372489	TT	AA	1940157427
SNP_P1_33441_32372947	NC_021161.1	Ca_kabuli_chr02	32372947	AA	GG	1940157428
SNP_P1_33442_32372956	NC_021161.1	Ca_kabuli_chr02	32372956	CC	TT	1940157429
SNP_P1_33443_32373321	NC_021161.1	Ca_kabuli_chr02	32373321	CC	TT	1940157430
SNP_P1_33444_32374908	NC_021161.1	Ca_kabuli_chr02	32374908	TT	AA	1940157431
SNP_P1_33445_32375458	NC_021161.1	Ca_kabuli_chr02	32375458	GG	AA	1940157432

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33449_32377312	NC_021161.1	Ca_kabuli_chr02	32377312	AA	GG	1940157435
SNP_P1_33450_32379088	NC_021161.1	Ca_kabuli_chr02	32379088	CC	GG	1940157436
SNP_P1_33451_32379091	NC_021161.1	Ca_kabuli_chr02	32379091	GG	AA	1940157438
SNP_P1_33452_32379123	NC_021161.1	Ca_kabuli_chr02	32379123	GG	AA	1940157439
SNP_P1_33453_32379536	NC_021161.1	Ca_kabuli_chr02	32379536	GG	AA	1940157440
SNP_P1_33454_32379555	NC_021161.1	Ca_kabuli_chr02	32379555	GG	AA	1940157441
SNP_P1_33456_32379636	NC_021161.1	Ca_kabuli_chr02	32379636	AA	GG	1940157442
SNP_P1_33457_32379643	NC_021161.1	Ca_kabuli_chr02	32379643	CC	AA	1940157443
SNP_P1_33458_32379651	NC_021161.1	Ca_kabuli_chr02	32379651	GG	AA	1940157444
SNP_P1_33459_32379920	NC_021161.1	Ca_kabuli_chr02	32379920	TT	CC	1940157445
SNP_P1_33461_32380409	NC_021161.1	Ca_kabuli_chr02	32380409	TT	CC	1940157446
SNP_P1_33463_32389153	NC_021161.1	Ca_kabuli_chr02	32389153	AA	GG	1940157447
SNP_P1_33464_32389199	NC_021161.1	Ca_kabuli_chr02	32389199	CC	TT	1940157448
SNP_P1_33465_32390348	NC_021161.1	Ca_kabuli_chr02	32390348	CC	TT	1940157449
SNP_P1_33466_32392425	NC_021161.1	Ca_kabuli_chr02	32392425	TT	CC	1940157450
SNP_P1_33467_32392433	NC_021161.1	Ca_kabuli_chr02	32392433	AA	GG	1940157451
SNP_P1_33468_32392502	NC_021161.1	Ca_kabuli_chr02	32392502	CC	TT	1940157452
SNP_P1_33469_32392558	NC_021161.1	Ca_kabuli_chr02	32392558	AA	TT	1940157453
SNP_P1_33470_32392640	NC_021161.1	Ca_kabuli_chr02	32392640	GG	CC	1940157454
SNP_P1_33471_32392684	NC_021161.1	Ca_kabuli_chr02	32392684	AA	TT	1940157455
SNP_P1_33472_32392693	NC_021161.1	Ca_kabuli_chr02	32392693	TT	GG	1940157456
SNP_P1_33473_32392696	NC_021161.1	Ca_kabuli_chr02	32392696	GG	CC	1940157457
SNP_P1_33474_32392749	NC_021161.1	Ca_kabuli_chr02	32392749	CC	TT	1940157458
SNP_P1_33475_32392801	NC_021161.1	Ca_kabuli_chr02	32392801	TT	CC	1940157459
SNP_P1_33476_32392809	NC_021161.1	Ca_kabuli_chr02	32392809	AA	TT	1940157460
SNP_P1_33477_32392830	NC_021161.1	Ca_kabuli_chr02	32392830	GG	AA	1940157461
SNP_P1_33478_32392846	NC_021161.1	Ca_kabuli_chr02	32392846	TT	CC	1940157462
SNP_P1_33479_32392893	NC_021161.1	Ca_kabuli_chr02	32392893	CC	AA	1940157463
SNP_P1_33480_32392943	NC_021161.1	Ca_kabuli_chr02	32392943	AA	GG	1940157464
SNP_P1_33481_32392948	NC_021161.1	Ca_kabuli_chr02	32392948	TT	GG	1940157465
SNP_P1_33482_32393014	NC_021161.1	Ca_kabuli_chr02	32393014	CC	TT	1940157466
SNP_P1_33483_32393015	NC_021161.1	Ca_kabuli_chr02	32393015	GG	TT	1940157468
SNP_P1_33484_32393035	NC_021161.1	Ca_kabuli_chr02	32393035	GG	AA	1940157469
SNP_P1_33486_32393075	NC_021161.1	Ca_kabuli_chr02	32393075	CC	TT	1940157470
SNP_P1_33487_32393090	NC_021161.1	Ca_kabuli_chr02	32393090	AA	TT	1940157471
SNP_P1_33489_32393124	NC_021161.1	Ca_kabuli_chr02	32393124	AA	GG	1940157472
SNP_P1_33490_32393135	NC_021161.1	Ca_kabuli_chr02	32393135	AA	CC	1940157473
SNP_P1_33492_32393364	NC_021161.1	Ca_kabuli_chr02	32393364	GG	TT	1940157474
SNP_P1_33493_32393429	NC_021161.1	Ca_kabuli_chr02	32393429	GG	AA	1940157475
SNP_P1_33495_32393490	NC_021161.1	Ca_kabuli_chr02	32393490	TT	CC	1940157476

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33497_32393535	NC_021161.1	Ca_kabuli_chr02	32393535	TT	AA	1940157478
SNP_P1_33498_32393539	NC_021161.1	Ca_kabuli_chr02	32393539	AA	GG	1940157479
SNP_P1_33499_32393574	NC_021161.1	Ca_kabuli_chr02	32393574	GG	TT	1940157480
SNP_P1_33500_32393596	NC_021161.1	Ca_kabuli_chr02	32393596	GG	AA	1940157481
SNP_P1_33503_32393670	NC_021161.1	Ca_kabuli_chr02	32393670	CC	TT	1940157482
SNP_P1_33504_32393699	NC_021161.1	Ca_kabuli_chr02	32393699	GG	AA	1940157483
SNP_P1_33505_32394353	NC_021161.1	Ca_kabuli_chr02	32394353	AA	GG	1940157484
SNP_P1_33507_32394905	NC_021161.1	Ca_kabuli_chr02	32394905	GG	AA	1940157485
SNP_P1_33508_32394914	NC_021161.1	Ca_kabuli_chr02	32394914	AA	TT	1940157486
SNP_P1_33510_32395687	NC_021161.1	Ca_kabuli_chr02	32395687	GG	AA	1940157487
SNP_P1_33511_32395691	NC_021161.1	Ca_kabuli_chr02	32395691	TT	CC	1940157488
SNP_P1_33512_32395694	NC_021161.1	Ca_kabuli_chr02	32395694	AA	GG	1940157489
SNP_P1_33514_32396574	NC_021161.1	Ca_kabuli_chr02	32396574	TT	CC	1940157490
SNP_P1_33515_32398223	NC_021161.1	Ca_kabuli_chr02	32398223	AA	TT	1940157491
SNP_P1_33516_32398475	NC_021161.1	Ca_kabuli_chr02	32398475	AA	GG	1940157492
SNP_P1_33517_32398708	NC_021161.1	Ca_kabuli_chr02	32398708	TT	AA	1940157493
SNP_P1_33518_32398788	NC_021161.1	Ca_kabuli_chr02	32398788	TT	AA	1940157494
SNP_P1_33519_32398792	NC_021161.1	Ca_kabuli_chr02	32398792	AA	TT	1940157495
SNP_P1_33521_32398846	NC_021161.1	Ca_kabuli_chr02	32398846	AA	CC	1940157496
SNP_P1_33522_32398945	NC_021161.1	Ca_kabuli_chr02	32398945	AA	CC	1940157497
SNP_P1_33525_32399735	NC_021161.1	Ca_kabuli_chr02	32399735	TT	CC	1940157498
SNP_P1_33526_32399739	NC_021161.1	Ca_kabuli_chr02	32399739	AA	TT	1940157499
SNP_P1_33528_32400606	NC_021161.1	Ca_kabuli_chr02	32400606	TT	GG	1940157500
SNP_P1_33529_32400864	NC_021161.1	Ca_kabuli_chr02	32400864	TT	CC	1940157501
SNP_P1_33530_32400873	NC_021161.1	Ca_kabuli_chr02	32400873	CC	AA	1940157502
SNP_P1_33531_32400903	NC_021161.1	Ca_kabuli_chr02	32400903	GG	AA	1940157503
SNP_P1_33532_32400927	NC_021161.1	Ca_kabuli_chr02	32400927	TT	CC	1940157504
SNP_P1_33533_32401990	NC_021161.1	Ca_kabuli_chr02	32401990	TT	GG	1940157505
SNP_P1_33534_32402249	NC_021161.1	Ca_kabuli_chr02	32402249	TT	GG	1940157506
SNP_P1_33536_32402966	NC_021161.1	Ca_kabuli_chr02	32402966	CC	TT	1940157507
SNP_P1_33537_32402972	NC_021161.1	Ca_kabuli_chr02	32402972	CC	TT	1940157508
SNP_P1_33538_32403006	NC_021161.1	Ca_kabuli_chr02	32403006	TT	GG	1940157510
SNP_P1_33540_32404238	NC_021161.1	Ca_kabuli_chr02	32404238	AA	CC	1940157511
SNP_P1_33541_32404247	NC_021161.1	Ca_kabuli_chr02	32404247	AA	GG	1940157512
SNP_P1_33542_32404256	NC_021161.1	Ca_kabuli_chr02	32404256	AA	TT	1940157513
SNP_P1_33543_32404266	NC_021161.1	Ca_kabuli_chr02	32404266	GG	AA	1940157514
SNP_P1_33544_32404561	NC_021161.1	Ca_kabuli_chr02	32404561	GG	AA	1940157515
SNP_P1_33545_32404621	NC_021161.1	Ca_kabuli_chr02	32404621	AA	CC	1940157516
SNP_P1_33546_32404655	NC_021161.1	Ca_kabuli_chr02	32404655	CC	AA	1940157517
SNP_P1_33547_32404666	NC_021161.1	Ca_kabuli_chr02	32404666	GG	AA	1940157518
SNP_P1_33548_32406374	NC_021161.1	Ca_kabuli_chr02	32406374	CC	AA	1940157519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33551_32406455	NC_021161.1	Ca_kabuli_chr02	32406455	AA	GG	1940157521
SNP_P1_33552_32406465	NC_021161.1	Ca_kabuli_chr02	32406465	AA	TT	1940157522
SNP_P1_33553_32406487	NC_021161.1	Ca_kabuli_chr02	32406487	CC	TT	1940157523
SNP_P1_33554_32406681	NC_021161.1	Ca_kabuli_chr02	32406681	AA	CC	1940157524
SNP_P1_33555_32406696	NC_021161.1	Ca_kabuli_chr02	32406696	TT	CC	1940157525
SNP_P1_33556_32406706	NC_021161.1	Ca_kabuli_chr02	32406706	TT	CC	1940157526
SNP_P1_33557_32406712	NC_021161.1	Ca_kabuli_chr02	32406712	TT	AA	1940157527
SNP_P1_33558_32406713	NC_021161.1	Ca_kabuli_chr02	32406713	AA	GG	1940157528
SNP_P1_33559_32406758	NC_021161.1	Ca_kabuli_chr02	32406758	AA	CC	1940157529
SNP_P1_33560_32406801	NC_021161.1	Ca_kabuli_chr02	32406801	TT	CC	1940157530
SNP_P1_33561_32408344	NC_021161.1	Ca_kabuli_chr02	32408344	TT	CC	1940157531
SNP_P1_33562_32408349	NC_021161.1	Ca_kabuli_chr02	32408349	TT	CC	1940157532
SNP_P1_33563_32408527	NC_021161.1	Ca_kabuli_chr02	32408527	CC	TT	1940157533
SNP_P1_33564_32409185	NC_021161.1	Ca_kabuli_chr02	32409185	CC	AA	1940157534
SNP_P1_33566_32409967	NC_021161.1	Ca_kabuli_chr02	32409967	CC	AA	1940157535
SNP_P1_33567_32410183	NC_021161.1	Ca_kabuli_chr02	32410183	GG	AA	1940157536
SNP_P1_33568_32410201	NC_021161.1	Ca_kabuli_chr02	32410201	TT	CC	1940157537
SNP_P1_33569_32410842	NC_021161.1	Ca_kabuli_chr02	32410842	TT	CC	1940157538
SNP_P1_33570_32411198	NC_021161.1	Ca_kabuli_chr02	32411198	CC	GG	1940157539
SNP_P1_33571_32411512	NC_021161.1	Ca_kabuli_chr02	32411512	CC	GG	1940157540
SNP_P1_33572_32411579	NC_021161.1	Ca_kabuli_chr02	32411579	AA	GG	1940157541
SNP_P1_33574_32413756	NC_021161.1	Ca_kabuli_chr02	32413756	TT	GG	1940157542
SNP_P1_33575_32413764	NC_021161.1	Ca_kabuli_chr02	32413764	AA	GG	1940157543
SNP_P1_33576_32414671	NC_021161.1	Ca_kabuli_chr02	32414671	CC	AA	1940157544
SNP_P1_33577_32414981	NC_021161.1	Ca_kabuli_chr02	32414981	CC	TT	1940157545
SNP_P1_33578_32415219	NC_021161.1	Ca_kabuli_chr02	32415219	TT	CC	1940157546
SNP_P1_33579_32415224	NC_021161.1	Ca_kabuli_chr02	32415224	AA	GG	1940157547
SNP_P1_33580_32415510	NC_021161.1	Ca_kabuli_chr02	32415510	TT	AA	1940157548
SNP_P1_33582_32415809	NC_021161.1	Ca_kabuli_chr02	32415809	CC	TT	1940157549
SNP_P1_33583_32415818	NC_021161.1	Ca_kabuli_chr02	32415818	TT	CC	1940157550
SNP_P1_33584_32416044	NC_021161.1	Ca_kabuli_chr02	32416044	AA	CC	1940157551
SNP_P1_33585_32416063	NC_021161.1	Ca_kabuli_chr02	32416063	TT	AA	1940157552
SNP_P1_33586_32416064	NC_021161.1	Ca_kabuli_chr02	32416064	CC	TT	1940157553
SNP_P1_33587_32416298	NC_021161.1	Ca_kabuli_chr02	32416298	TT	CC	1940157554
SNP_P1_33589_32416944	NC_021161.1	Ca_kabuli_chr02	32416944	TT	GG	1940157555
SNP_P1_33590_32416997	NC_021161.1	Ca_kabuli_chr02	32416997	AA	GG	1940157557
SNP_P1_33592_32417440	NC_021161.1	Ca_kabuli_chr02	32417440	TT	GG	1940157558
SNP_P1_33593_32417466	NC_021161.1	Ca_kabuli_chr02	32417466	GG	AA	1940157559
SNP_P1_33594_32417564	NC_021161.1	Ca_kabuli_chr02	32417564	CC	TT	1940157560
SNP_P1_33595_32417570	NC_021161.1	Ca_kabuli_chr02	32417570	TT	AA	1940157561
SNP_P1_33596_32417596	NC_021161.1	Ca_kabuli_chr02	32417596	AA	CC	1940157562

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33599_32417802	NC_021161.1	Ca_kabuli_chr02	32417802	GG	AA	1940157564
SNP_P1_33600_32417804	NC_021161.1	Ca_kabuli_chr02	32417804	CC	AA	1940157565
SNP_P1_33601_32417820	NC_021161.1	Ca_kabuli_chr02	32417820	GG	AA	1940157566
SNP_P1_33603_32419569	NC_021161.1	Ca_kabuli_chr02	32419569	GG	CC	1940157567
SNP_P1_33604_32419571	NC_021161.1	Ca_kabuli_chr02	32419571	AA	GG	1940157568
SNP_P1_33605_32419750	NC_021161.1	Ca_kabuli_chr02	32419750	GG	AA	1940157569
SNP_P1_33606_32420680	NC_021161.1	Ca_kabuli_chr02	32420680	AA	CC	1940157570
SNP_P1_33607_32421568	NC_021161.1	Ca_kabuli_chr02	32421568	CC	GG	1940157571
SNP_P1_33608_32421719	NC_021161.1	Ca_kabuli_chr02	32421719	GG	AA	1940157572
SNP_P1_33609_32422076	NC_021161.1	Ca_kabuli_chr02	32422076	AA	TT	1940157573
SNP_P1_33610_32422326	NC_021161.1	Ca_kabuli_chr02	32422326	GG	AA	1940157574
SNP_P1_33611_32422327	NC_021161.1	Ca_kabuli_chr02	32422327	CC	TT	1940157575
SNP_P1_33612_32422343	NC_021161.1	Ca_kabuli_chr02	32422343	GG	AA	1940157576
SNP_P1_33613_32422374	NC_021161.1	Ca_kabuli_chr02	32422374	TT	AA	1940157577
SNP_P1_33614_32422442	NC_021161.1	Ca_kabuli_chr02	32422442	TT	CC	1940157578
SNP_P1_33615_32422461	NC_021161.1	Ca_kabuli_chr02	32422461	CC	TT	1940157579
SNP_P1_33616_32422484	NC_021161.1	Ca_kabuli_chr02	32422484	GG	AA	1940157580
SNP_P1_33618_32422502	NC_021161.1	Ca_kabuli_chr02	32422502	AA	GG	1940157581
SNP_P1_33619_32422634	NC_021161.1	Ca_kabuli_chr02	32422634	AA	GG	1940157582
SNP_P1_33620_32422667	NC_021161.1	Ca_kabuli_chr02	32422667	CC	TT	1940157583
SNP_P1_33621_32422676	NC_021161.1	Ca_kabuli_chr02	32422676	TT	CC	1940157584
SNP_P1_33623_32422959	NC_021161.1	Ca_kabuli_chr02	32422959	GG	AA	1940157585
SNP_P1_33624_32423004	NC_021161.1	Ca_kabuli_chr02	32423004	CC	TT	1940157586
SNP_P1_33625_32423084	NC_021161.1	Ca_kabuli_chr02	32423084	CC	GG	1940157587
SNP_P1_33626_32423327	NC_021161.1	Ca_kabuli_chr02	32423327	AA	CC	1940157588
SNP_P1_33627_32423344	NC_021161.1	Ca_kabuli_chr02	32423344	CC	TT	1940157589
SNP_P1_33629_32424086	NC_021161.1	Ca_kabuli_chr02	32424086	AA	GG	1940157590
SNP_P1_33630_32424093	NC_021161.1	Ca_kabuli_chr02	32424093	AA	CC	1940157591
SNP_P1_33631_32424109	NC_021161.1	Ca_kabuli_chr02	32424109	TT	AA	1940157592
SNP_P1_33632_32424147	NC_021161.1	Ca_kabuli_chr02	32424147	TT	CC	1940157593
SNP_P1_33633_32424456	NC_021161.1	Ca_kabuli_chr02	32424456	GG	AA	1940157594
SNP_P1_33635_32428201	NC_021161.1	Ca_kabuli_chr02	32428201	TT	AA	1940157595
SNP_P1_33636_32430207	NC_021161.1	Ca_kabuli_chr02	32430207	TT	CC	1940157596
SNP_P1_33637_32430211	NC_021161.1	Ca_kabuli_chr02	32430211	TT	CC	1940157597
SNP_P1_33638_32430258	NC_021161.1	Ca_kabuli_chr02	32430258	TT	CC	1940157598
SNP_P1_33639_32430261	NC_021161.1	Ca_kabuli_chr02	32430261	TT	CC	1940157599
SNP_P1_33640_32430280	NC_021161.1	Ca_kabuli_chr02	32430280	TT	GG	1940157601
SNP_P1_33641_32430407	NC_021161.1	Ca_kabuli_chr02	32430407	AA	CC	1940157602
SNP_P1_33642_32430522	NC_021161.1	Ca_kabuli_chr02	32430522	TT	CC	1940157603
SNP_P1_33643_32430539	NC_021161.1	Ca_kabuli_chr02	32430539	TT	CC	1940157604
SNP_P1_33644_32430590	NC_021161.1	Ca_kabuli_chr02	32430590	TT	CC	1940157605

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33646_32432394	NC_021161.1	Ca_kabuli_chr02	32432394	CC	TT	1940157607
SNP_P1_33647_32432423	NC_021161.1	Ca_kabuli_chr02	32432423	TT	CC	1940157608
SNP_P1_33648_32433302	NC_021161.1	Ca_kabuli_chr02	32433302	CC	TT	1940157609
SNP_P1_33649_32433646	NC_021161.1	Ca_kabuli_chr02	32433646	TT	CC	1940157610
SNP_P1_33650_32433743	NC_021161.1	Ca_kabuli_chr02	32433743	GG	AA	1940157611
SNP_P1_33652_32436625	NC_021161.1	Ca_kabuli_chr02	32436625	TT	AA	1940157612
SNP_P1_33653_32436644	NC_021161.1	Ca_kabuli_chr02	32436644	TT	CC	1940157613
SNP_P1_33654_32436683	NC_021161.1	Ca_kabuli_chr02	32436683	AA	TT	1940157614
SNP_P1_33655_32436684	NC_021161.1	Ca_kabuli_chr02	32436684	AA	TT	1940157616
SNP_P1_33656_32436693	NC_021161.1	Ca_kabuli_chr02	32436693	CC	TT	1940157617
SNP_P1_33657_32436754	NC_021161.1	Ca_kabuli_chr02	32436754	AA	GG	1940157618
SNP_P1_33658_32436918	NC_021161.1	Ca_kabuli_chr02	32436918	GG	AA	1940157619
SNP_P1_33659_32436922	NC_021161.1	Ca_kabuli_chr02	32436922	TT	CC	1940157620
SNP_P1_33660_32436953	NC_021161.1	Ca_kabuli_chr02	32436953	AA	GG	1940157621
SNP_P1_33661_32436976	NC_021161.1	Ca_kabuli_chr02	32436976	TT	GG	1940157622
SNP_P1_33662_32437200	NC_021161.1	Ca_kabuli_chr02	32437200	CC	TT	1940157623
SNP_P1_33663_32438677	NC_021161.1	Ca_kabuli_chr02	32438677	TT	GG	1940157624
SNP_P1_33664_32438695	NC_021161.1	Ca_kabuli_chr02	32438695	GG	AA	1940157625
SNP_P1_33665_32452879	NC_021161.1	Ca_kabuli_chr02	32452879	AA	TT	1940157626
SNP_P1_33666_32452880	NC_021161.1	Ca_kabuli_chr02	32452880	AA	TT	1940157627
SNP_P1_33667_32452902	NC_021161.1	Ca_kabuli_chr02	32452902	CC	TT	1940157628
SNP_P1_33668_32453064	NC_021161.1	Ca_kabuli_chr02	32453064	TT	CC	1940157629
SNP_P1_33669_32453136	NC_021161.1	Ca_kabuli_chr02	32453136	TT	GG	1940157630
SNP_P1_33670_32455360	NC_021161.1	Ca_kabuli_chr02	32455360	AA	CC	1940157631
SNP_P1_33671_32464167	NC_021161.1	Ca_kabuli_chr02	32464167	GG	AA	1940157632
SNP_P1_33673_32468000	NC_021161.1	Ca_kabuli_chr02	32468000	CC	AA	1940157633
SNP_P1_33674_32472496	NC_021161.1	Ca_kabuli_chr02	32472496	AA	TT	1940157634
SNP_P1_33675_32475294	NC_021161.1	Ca_kabuli_chr02	32475294	GG	TT	1940157635
SNP_P1_33676_32475317	NC_021161.1	Ca_kabuli_chr02	32475317	AA	GG	1940157636
SNP_P1_33677_32475327	NC_021161.1	Ca_kabuli_chr02	32475327	CC	TT	1940157637
SNP_P1_33678_32476555	NC_021161.1	Ca_kabuli_chr02	32476555	AA	TT	1940157638
SNP_P1_33679_32476909	NC_021161.1	Ca_kabuli_chr02	32476909	GG	CC	1940157639
SNP_P1_33682_32477767	NC_021161.1	Ca_kabuli_chr02	32477767	AA	TT	1940157640
SNP_P1_33683_32477793	NC_021161.1	Ca_kabuli_chr02	32477793	CC	TT	1940157641
SNP_P1_33684_32477937	NC_021161.1	Ca_kabuli_chr02	32477937	AA	GG	1940157642
SNP_P1_33685_32478223	NC_021161.1	Ca_kabuli_chr02	32478223	CC	GG	1940157643
SNP_P1_33686_32478499	NC_021161.1	Ca_kabuli_chr02	32478499	TT	AA	1940157644
SNP_P1_33687_32478583	NC_021161.1	Ca_kabuli_chr02	32478583	GG	AA	1940157645
SNP_P1_33689_32478900	NC_021161.1	Ca_kabuli_chr02	32478900	AA	TT	1940157646
SNP_P1_33690_32478928	NC_021161.1	Ca_kabuli_chr02	32478928	AA	CC	1940157647
SNP_P1_33691_32478935	NC_021161.1	Ca_kabuli_chr02	32478935	CC	TT	1940157648

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33693_32479215	NC_021161.1	Ca_kabuli_chr02	32479215	AA	GG	1940157650
SNP_P1_33694_32479222	NC_021161.1	Ca_kabuli_chr02	32479222	CC	TT	1940157651
SNP_P1_33695_32479255	NC_021161.1	Ca_kabuli_chr02	32479255	CC	TT	1940157652
SNP_P1_33696_32479266	NC_021161.1	Ca_kabuli_chr02	32479266	AA	GG	1940157653
SNP_P1_33697_32479272	NC_021161.1	Ca_kabuli_chr02	32479272	TT	AA	1940157655
SNP_P1_33698_32479288	NC_021161.1	Ca_kabuli_chr02	32479288	GG	CC	1940157656
SNP_P1_33699_32479294	NC_021161.1	Ca_kabuli_chr02	32479294	TT	CC	1940157657
SNP_P1_33700_32479296	NC_021161.1	Ca_kabuli_chr02	32479296	TT	CC	1940157658
SNP_P1_33701_32479308	NC_021161.1	Ca_kabuli_chr02	32479308	CC	TT	1940157659
SNP_P1_33703_32479406	NC_021161.1	Ca_kabuli_chr02	32479406	GG	TT	1940157660
SNP_P1_33705_32479435	NC_021161.1	Ca_kabuli_chr02	32479435	TT	CC	1940157661
SNP_P1_33706_32479555	NC_021161.1	Ca_kabuli_chr02	32479555	AA	CC	1940157662
SNP_P1_33707_32479585	NC_021161.1	Ca_kabuli_chr02	32479585	AA	GG	1940157663
SNP_P1_33708_32479777	NC_021161.1	Ca_kabuli_chr02	32479777	GG	TT	1940157664
SNP_P1_33709_32479790	NC_021161.1	Ca_kabuli_chr02	32479790	TT	CC	1940157665
SNP_P1_33711_32479831	NC_021161.1	Ca_kabuli_chr02	32479831	TT	CC	1940157666
SNP_P1_33712_32479840	NC_021161.1	Ca_kabuli_chr02	32479840	GG	AA	1940157667
SNP_P1_33713_32480178	NC_021161.1	Ca_kabuli_chr02	32480178	GG	AA	1940157668
SNP_P1_33714_32480615	NC_021161.1	Ca_kabuli_chr02	32480615	GG	AA	1940157669
SNP_P1_33717_32480830	NC_021161.1	Ca_kabuli_chr02	32480830	CC	TT	1940157670
SNP_P1_33718_32480904	NC_021161.1	Ca_kabuli_chr02	32480904	AA	GG	1940157671
SNP_P1_33719_32480908	NC_021161.1	Ca_kabuli_chr02	32480908	TT	CC	1940157672
SNP_P1_33720_32480985	NC_021161.1	Ca_kabuli_chr02	32480985	AA	TT	1940157673
SNP_P1_33722_32481004	NC_021161.1	Ca_kabuli_chr02	32481004	TT	CC	1940157674
SNP_P1_33723_32481660	NC_021161.1	Ca_kabuli_chr02	32481660	TT	CC	1940157675
SNP_P1_33725_32482076	NC_021161.1	Ca_kabuli_chr02	32482076	GG	AA	1940157676
SNP_P1_33726_32482098	NC_021161.1	Ca_kabuli_chr02	32482098	CC	TT	1940157677
SNP_P1_33727_32485695	NC_021161.1	Ca_kabuli_chr02	32485695	AA	GG	1940157678
SNP_P1_33728_32492448	NC_021161.1	Ca_kabuli_chr02	32492448	CC	TT	1940157679
SNP_P1_33729_32493025	NC_021161.1	Ca_kabuli_chr02	32493025	GG	AA	1940157680
SNP_P1_33730_32524759	NC_021161.1	Ca_kabuli_chr02	32524759	CC	AA	1940157681
SNP_P1_33731_32526117	NC_021161.1	Ca_kabuli_chr02	32526117	CC	TT	1940157682
SNP_P1_33733_32540606	NC_021161.1	Ca_kabuli_chr02	32540606	CC	TT	1940157683
SNP_P1_33734_32540871	NC_021161.1	Ca_kabuli_chr02	32540871	GG	AA	1940157684
SNP_P1_33735_32540967	NC_021161.1	Ca_kabuli_chr02	32540967	CC	AA	1940157685
SNP_P1_33736_32599948	NC_021161.1	Ca_kabuli_chr02	32599948	CC	GG	1940157686
SNP_P1_33737_32599949	NC_021161.1	Ca_kabuli_chr02	32599949	CC	GG	1940157687
SNP_P1_33738_32600990	NC_021161.1	Ca_kabuli_chr02	32600990	CC	TT	1940157688
SNP_P1_33739_32602048	NC_021161.1	Ca_kabuli_chr02	32602048	CC	AA	1940157689
SNP_P1_33740_32602049	NC_021161.1	Ca_kabuli_chr02	32602049	GG	CC	1940157690
SNP_P1_33742_32635881	NC_021161.1	Ca_kabuli_chr02	32635881	AA	GG	1940157691

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33744_32635939	NC_021161.1	Ca_kabuli_chr02	32635939	TT	CC	1940157693
SNP_P1_33745_32636083	NC_021161.1	Ca_kabuli_chr02	32636083	GG	TT	1940157694
SNP_P1_33746_32636273	NC_021161.1	Ca_kabuli_chr02	32636273	TT	AA	1940157695
SNP_P1_33747_32636629	NC_021161.1	Ca_kabuli_chr02	32636629	TT	CC	1940157696
SNP_P1_33748_32636636	NC_021161.1	Ca_kabuli_chr02	32636636	TT	CC	1940157698
SNP_P1_33749_32636651	NC_021161.1	Ca_kabuli_chr02	32636651	CC	TT	1940157699
SNP_P1_33750_32636667	NC_021161.1	Ca_kabuli_chr02	32636667	AA	GG	1940157700
SNP_P1_33751_32637085	NC_021161.1	Ca_kabuli_chr02	32637085	CC	TT	1940157701
SNP_P1_33752_32637106	NC_021161.1	Ca_kabuli_chr02	32637106	TT	CC	1940157702
SNP_P1_33754_32641386	NC_021161.1	Ca_kabuli_chr02	32641386	TT	GG	1940157703
SNP_P1_33755_32641644	NC_021161.1	Ca_kabuli_chr02	32641644	AA	TT	1940157704
SNP_P1_33757_32641756	NC_021161.1	Ca_kabuli_chr02	32641756	GG	CC	1940157705
SNP_P1_33758_32642456	NC_021161.1	Ca_kabuli_chr02	32642456	AA	TT	1940157706
SNP_P1_33759_32642888	NC_021161.1	Ca_kabuli_chr02	32642888	GG	AA	1940157707
SNP_P1_33760_32642910	NC_021161.1	Ca_kabuli_chr02	32642910	GG	TT	1940157708
SNP_P1_33762_32643173	NC_021161.1	Ca_kabuli_chr02	32643173	AA	GG	1940157709
SNP_P1_33763_32643187	NC_021161.1	Ca_kabuli_chr02	32643187	TT	AA	1940157710
SNP_P1_33764_32643193	NC_021161.1	Ca_kabuli_chr02	32643193	GG	AA	1940157711
SNP_P1_33765_32643218	NC_021161.1	Ca_kabuli_chr02	32643218	AA	GG	1940157712
SNP_P1_33766_32643246	NC_021161.1	Ca_kabuli_chr02	32643246	TT	GG	1940157713
SNP_P1_33767_32643251	NC_021161.1	Ca_kabuli_chr02	32643251	TT	GG	1940157714
SNP_P1_33768_32643252	NC_021161.1	Ca_kabuli_chr02	32643252	TT	GG	1940157715
SNP_P1_33769_32643409	NC_021161.1	Ca_kabuli_chr02	32643409	TT	CC	1940157716
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SNP_P1_33771_32644091	NC_021161.1	Ca_kabuli_chr02	32644091	TT	GG	1940157718
SNP_P1_33772_32644099	NC_021161.1	Ca_kabuli_chr02	32644099	AA	CC	1940157719
SNP_P1_33774_32644190	NC_021161.1	Ca_kabuli_chr02	32644190	TT	CC	1940157720
SNP_P1_33775_32644247	NC_021161.1	Ca_kabuli_chr02	32644247	AA	GG	1940157721
SNP_P1_33777_32644375	NC_021161.1	Ca_kabuli_chr02	32644375	AA	GG	1940157722
SNP_P1_33778_32644380	NC_021161.1	Ca_kabuli_chr02	32644380	AA	CC	1940157723
SNP_P1_33779_32644402	NC_021161.1	Ca_kabuli_chr02	32644402	AA	TT	1940157724
SNP_P1_33780_32644438	NC_021161.1	Ca_kabuli_chr02	32644438	GG	TT	1940157725
SNP_P1_33781_32644552	NC_021161.1	Ca_kabuli_chr02	32644552	CC	GG	1940157726
SNP_P1_33782_32644806	NC_021161.1	Ca_kabuli_chr02	32644806	TT	GG	1940157727
SNP_P1_33783_32644818	NC_021161.1	Ca_kabuli_chr02	32644818	GG	AA	1940157728
SNP_P1_33784_32645150	NC_021161.1	Ca_kabuli_chr02	32645150	GG	CC	1940157729
SNP_P1_33785_32645928	NC_021161.1	Ca_kabuli_chr02	32645928	GG	AA	1940157730
SNP_P1_33786_32645929	NC_021161.1	Ca_kabuli_chr02	32645929	CC	TT	1940157731
SNP_P1_33787_32645940	NC_021161.1	Ca_kabuli_chr02	32645940	GG	AA	1940157732
SNP_P1_33788_32646090	NC_021161.1	Ca_kabuli_chr02	32646090	CC	TT	1940157733
SNP_P1_33789_32646139	NC_021161.1	Ca_kabuli_chr02	32646139	CC	TT	1940157734

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33791_32646919	NC_021161.1	Ca_kabuli_chr02	32646919	GG	AA	1940157736
SNP_P1_33792_32646928	NC_021161.1	Ca_kabuli_chr02	32646928	TT	AA	1940157737
SNP_P1_33793_32647087	NC_021161.1	Ca_kabuli_chr02	32647087	TT	GG	1940157738
SNP_P1_33794_32647909	NC_021161.1	Ca_kabuli_chr02	32647909	GG	AA	1940157739
SNP_P1_33795_32648324	NC_021161.1	Ca_kabuli_chr02	32648324	CC	TT	1940157741
SNP_P1_33796_32648751	NC_021161.1	Ca_kabuli_chr02	32648751	CC	AA	1940157742
SNP_P1_33801_32726922	NC_021161.1	Ca_kabuli_chr02	32726922	CC	TT	1940157743
SNP_P1_33803_32752549	NC_021161.1	Ca_kabuli_chr02	32752549	AA	TT	1940157744
SNP_P1_33805_32765027	NC_021161.1	Ca_kabuli_chr02	32765027	CC	TT	1940157745
SNP_P1_33806_32774639	NC_021161.1	Ca_kabuli_chr02	32774639	CC	TT	1940157746
SNP_P1_33807_32774922	NC_021161.1	Ca_kabuli_chr02	32774922	CC	TT	1940157747
SNP_P1_33808_32785437	NC_021161.1	Ca_kabuli_chr02	32785437	TT	CC	1940157748
SNP_P1_33809_32802058	NC_021161.1	Ca_kabuli_chr02	32802058	GG	AA	1940157749
SNP_P1_33810_32805557	NC_021161.1	Ca_kabuli_chr02	32805557	TT	CC	1940157750
SNP_P1_33813_32818502	NC_021161.1	Ca_kabuli_chr02	32818502	GG	AA	1940157751
SNP_P1_33814_32818565	NC_021161.1	Ca_kabuli_chr02	32818565	GG	AA	1940157752
SNP_P1_33815_32819380	NC_021161.1	Ca_kabuli_chr02	32819380	AA	CC	1940157753
SNP_P1_33817_32857067	NC_021161.1	Ca_kabuli_chr02	32857067	AA	GG	1940157754
SNP_P1_33818_32882719	NC_021161.1	Ca_kabuli_chr02	32882719	GG	AA	1940157755
SNP_P1_33819_32914833	NC_021161.1	Ca_kabuli_chr02	32914833	CC	TT	1940157756
SNP_P1_33820_32915039	NC_021161.1	Ca_kabuli_chr02	32915039	GG	AA	1940157757
SNP_P1_33821_32915145	NC_021161.1	Ca_kabuli_chr02	32915145	AA	TT	1940157758
SNP_P1_33822_32915268	NC_021161.1	Ca_kabuli_chr02	32915268	AA	CC	1940157759
SNP_P1_33823_32935101	NC_021161.1	Ca_kabuli_chr02	32935101	CC	TT	1940157760
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SNP_P1_33831_33063728	NC_021161.1	Ca_kabuli_chr02	33063728	GG	AA	1940157763
SNP_P1_33832_33073116	NC_021161.1	Ca_kabuli_chr02	33073116	CC	TT	1940157764
SNP_P1_33833_33103766	NC_021161.1	Ca_kabuli_chr02	33103766	AA	GG	1940157765
SNP_P1_33835_33115816	NC_021161.1	Ca_kabuli_chr02	33115816	AA	GG	1940157766
SNP_P1_33836_33116207	NC_021161.1	Ca_kabuli_chr02	33116207	GG	AA	1940157767
SNP_P1_33838_33151940	NC_021161.1	Ca_kabuli_chr02	33151940	TT	GG	1940157768
SNP_P1_33839_33151950	NC_021161.1	Ca_kabuli_chr02	33151950	GG	TT	1940157769
SNP_P1_33840_33152001	NC_021161.1	Ca_kabuli_chr02	33152001	CC	AA	1940157770
SNP_P1_33841_33152077	NC_021161.1	Ca_kabuli_chr02	33152077	GG	TT	1940157771
SNP_P1_33843_33152162	NC_021161.1	Ca_kabuli_chr02	33152162	AA	GG	1940157772
SNP_P1_33844_33152231	NC_021161.1	Ca_kabuli_chr02	33152231	AA	TT	1940157773
SNP_P1_33845_33166132	NC_021161.1	Ca_kabuli_chr02	33166132	TT	CC	1940157774
SNP_P1_33846_33166160	NC_021161.1	Ca_kabuli_chr02	33166160	TT	CC	1940157775
SNP_P1_33847_33166192	NC_021161.1	Ca_kabuli_chr02	33166192	GG	AA	1940157776
SNP_P1_33848_33166240	NC_021161.1	Ca_kabuli_chr02	33166240	AA	GG	1940157777

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33851_33166525	NC_021161.1	Ca_kabuli_chr02	33166525	GG	AA	1940157781
SNP_P1_33852_33166535	NC_021161.1	Ca_kabuli_chr02	33166535	CC	GG	1940157782
SNP_P1_33853_33166561	NC_021161.1	Ca_kabuli_chr02	33166561	CC	TT	1940157783
SNP_P1_33854_33166563	NC_021161.1	Ca_kabuli_chr02	33166563	AA	CC	1940157784
SNP_P1_33855_33166570	NC_021161.1	Ca_kabuli_chr02	33166570	GG	AA	1940157785
SNP_P1_33856_33166582	NC_021161.1	Ca_kabuli_chr02	33166582	CC	AA	1940157786
SNP_P1_33857_33166704	NC_021161.1	Ca_kabuli_chr02	33166704	CC	TT	1940157787
SNP_P1_33858_33167008	NC_021161.1	Ca_kabuli_chr02	33167008	AA	GG	1940157788
SNP_P1_33859_33167107	NC_021161.1	Ca_kabuli_chr02	33167107	AA	CC	1940157789
SNP_P1_33860_33167116	NC_021161.1	Ca_kabuli_chr02	33167116	AA	GG	1940157790
SNP_P1_33861_33200178	NC_021161.1	Ca_kabuli_chr02	33200178	CC	GG	1940157791
SNP_P1_33862_33200183	NC_021161.1	Ca_kabuli_chr02	33200183	TT	CC	1940157792
SNP_P1_33863_33200198	NC_021161.1	Ca_kabuli_chr02	33200198	TT	CC	1940157793
SNP_P1_33864_33200201	NC_021161.1	Ca_kabuli_chr02	33200201	TT	GG	1940157794
SNP_P1_33865_33211102	NC_021161.1	Ca_kabuli_chr02	33211102	AA	GG	1940157795
SNP_P1_33866_33218507	NC_021161.1	Ca_kabuli_chr02	33218507	AA	GG	1940157796
SNP_P1_33867_33226916	NC_021161.1	Ca_kabuli_chr02	33226916	TT	CC	1940157797
SNP_P1_33869_33234886	NC_021161.1	Ca_kabuli_chr02	33234886	TT	GG	1940157798
SNP_P1_33870_33234890	NC_021161.1	Ca_kabuli_chr02	33234890	TT	CC	1940157799
SNP_P1_33871_33234900	NC_021161.1	Ca_kabuli_chr02	33234900	TT	CC	1940157800
SNP_P1_33872_33240030	NC_021161.1	Ca_kabuli_chr02	33240030	TT	CC	1940157801
SNP_P1_33873_33240055	NC_021161.1	Ca_kabuli_chr02	33240055	CC	TT	1940157802
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SNP_P1_33876_33258019	NC_021161.1	Ca_kabuli_chr02	33258019	AA	TT	1940157804
SNP_P1_33877_33258167	NC_021161.1	Ca_kabuli_chr02	33258167	GG	AA	1940157805
SNP_P1_33878_33269320	NC_021161.1	Ca_kabuli_chr02	33269320	CC	TT	1940157806
SNP_P1_33879_33269338	NC_021161.1	Ca_kabuli_chr02	33269338	GG	TT	1940157807
SNP_P1_33880_33269410	NC_021161.1	Ca_kabuli_chr02	33269410	AA	GG	1940157808
SNP_P1_33881_33269694	NC_021161.1	Ca_kabuli_chr02	33269694	CC	TT	1940157809
SNP_P1_33882_33272091	NC_021161.1	Ca_kabuli_chr02	33272091	AA	GG	1940157810
SNP_P1_33885_33306595	NC_021161.1	Ca_kabuli_chr02	33306595	CC	GG	1940157811
SNP_P1_33886_33320209	NC_021161.1	Ca_kabuli_chr02	33320209	TT	CC	1940157812
SNP_P1_33887_33320212	NC_021161.1	Ca_kabuli_chr02	33320212	AA	CC	1940157813
SNP_P1_33888_33345173	NC_021161.1	Ca_kabuli_chr02	33345173	TT	GG	1940157814
SNP_P1_33889_33345177	NC_021161.1	Ca_kabuli_chr02	33345177	AA	TT	1940157815
SNP_P1_33890_33345185	NC_021161.1	Ca_kabuli_chr02	33345185	TT	CC	1940157816
SNP_P1_33891_33345192	NC_021161.1	Ca_kabuli_chr02	33345192	TT	CC	1940157817
SNP_P1_33892_33345383	NC_021161.1	Ca_kabuli_chr02	33345383	AA	GG	1940157818
SNP_P1_33893_33345575	NC_021161.1	Ca_kabuli_chr02	33345575	AA	GG	1940157819
SNP_P1_33894_33345581	NC_021161.1	Ca_kabuli_chr02	33345581	GG	AA	1940157821

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33897_33345682	NC_021161.1	Ca_kabuli_chr02	33345682	CC	TT	1940157823
SNP_P1_33898_33345764	NC_021161.1	Ca_kabuli_chr02	33345764	GG	AA	1940157824
SNP_P1_33899_33345775	NC_021161.1	Ca_kabuli_chr02	33345775	GG	TT	1940157825
SNP_P1_33900_33346395	NC_021161.1	Ca_kabuli_chr02	33346395	AA	TT	1940157826
SNP_P1_33901_33346444	NC_021161.1	Ca_kabuli_chr02	33346444	AA	GG	1940157827
SNP_P1_33902_33346452	NC_021161.1	Ca_kabuli_chr02	33346452	GG	AA	1940157828
SNP_P1_33904_33346816	NC_021161.1	Ca_kabuli_chr02	33346816	GG	TT	1940157829
SNP_P1_33905_33346860	NC_021161.1	Ca_kabuli_chr02	33346860	AA	CC	1940157830
SNP_P1_33906_33346903	NC_021161.1	Ca_kabuli_chr02	33346903	AA	GG	1940157831
SNP_P1_33907_33346949	NC_021161.1	Ca_kabuli_chr02	33346949	GG	AA	1940157832
SNP_P1_33908_33347171	NC_021161.1	Ca_kabuli_chr02	33347171	CC	TT	1940157833
SNP_P1_33909_33352186	NC_021161.1	Ca_kabuli_chr02	33352186	TT	CC	1940157834
SNP_P1_33910_33397240	NC_021161.1	Ca_kabuli_chr02	33397240	CC	TT	1940157835
SNP_P1_33911_33397276	NC_021161.1	Ca_kabuli_chr02	33397276	GG	AA	1940157836
SNP_P1_33912_33397468	NC_021161.1	Ca_kabuli_chr02	33397468	AA	TT	1940157837
SNP_P1_33913_33397486	NC_021161.1	Ca_kabuli_chr02	33397486	CC	TT	1940157838
SNP_P1_33914_33397611	NC_021161.1	Ca_kabuli_chr02	33397611	GG	TT	1940157839
SNP_P1_33915_33397618	NC_021161.1	Ca_kabuli_chr02	33397618	TT	CC	1940157840
SNP_P1_33917_33398527	NC_021161.1	Ca_kabuli_chr02	33398527	GG	TT	1940157841
SNP_P1_33918_33398549	NC_021161.1	Ca_kabuli_chr02	33398549	CC	TT	1940157842
SNP_P1_33919_33398550	NC_021161.1	Ca_kabuli_chr02	33398550	AA	GG	1940157843
SNP_P1_33920_33398561	NC_021161.1	Ca_kabuli_chr02	33398561	CC	TT	1940157844
SNP_P1_33921_33401553	NC_021161.1	Ca_kabuli_chr02	33401553	GG	AA	1940157845
SNP_P1_33922_33401654	NC_021161.1	Ca_kabuli_chr02	33401654	TT	CC	1940157846
SNP_P1_33923_33401726	NC_021161.1	Ca_kabuli_chr02	33401726	TT	CC	1940157847
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SNP_P1_33926_33405265	NC_021161.1	Ca_kabuli_chr02	33405265	GG	AA	1940157849
SNP_P1_33927_33405419	NC_021161.1	Ca_kabuli_chr02	33405419	TT	CC	1940157850
SNP_P1_33928_33405442	NC_021161.1	Ca_kabuli_chr02	33405442	AA	GG	1940157851
SNP_P1_33929_33405445	NC_021161.1	Ca_kabuli_chr02	33405445	TT	AA	1940157852
SNP_P1_33930_33405469	NC_021161.1	Ca_kabuli_chr02	33405469	AA	GG	1940157853
SNP_P1_33931_33405959	NC_021161.1	Ca_kabuli_chr02	33405959	GG	TT	1940157854
SNP_P1_33932_33418452	NC_021161.1	Ca_kabuli_chr02	33418452	GG	AA	1940157855
SNP_P1_33933_33424021	NC_021161.1	Ca_kabuli_chr02	33424021	CC	AA	1940157856
SNP_P1_33934_33440046	NC_021161.1	Ca_kabuli_chr02	33440046	AA	GG	1940157857
SNP_P1_33935_33462805	NC_021161.1	Ca_kabuli_chr02	33462805	AA	GG	1940157858
SNP_P1_33936_33462911	NC_021161.1	Ca_kabuli_chr02	33462911	GG	TT	1940157859
SNP_P1_33937_33462953	NC_021161.1	Ca_kabuli_chr02	33462953	CC	AA	1940157860
SNP_P1_33938_33463060	NC_021161.1	Ca_kabuli_chr02	33463060	CC	GG	1940157862
SNP_P1_33939_33465922	NC_021161.1	Ca_kabuli_chr02	33465922	TT	GG	1940157863
SNP_P1_33940_33483361	NC_021161.1	Ca_kabuli_chr02	33483361	AA	GG	1940157864

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33942_33490836	NC_021161.1	Ca_kabuli_chr02	33490836	GG	AA	1940157866
SNP_P1_33943_33501345	NC_021161.1	Ca_kabuli_chr02	33501345	CC	TT	1940157867
SNP_P1_33945_33542104	NC_021161.1	Ca_kabuli_chr02	33542104	AA	GG	1940157868
SNP_P1_33947_33585754	NC_021161.1	Ca_kabuli_chr02	33585754	AA	GG	1940157869
SNP_P1_33948_33585775	NC_021161.1	Ca_kabuli_chr02	33585775	TT	GG	1940157870
SNP_P1_33949_33585801	NC_021161.1	Ca_kabuli_chr02	33585801	AA	TT	1940157871
SNP_P1_33954_33642149	NC_021161.1	Ca_kabuli_chr02	33642149	CC	TT	1940157872
SNP_P1_33956_33684416	NC_021161.1	Ca_kabuli_chr02	33684416	TT	CC	1940157873
SNP_P1_33957_33691485	NC_021161.1	Ca_kabuli_chr02	33691485	CC	TT	1940157874
SNP_P1_33959_33761577	NC_021161.1	Ca_kabuli_chr02	33761577	GG	AA	1940157875
SNP_P1_33961_33854266	NC_021161.1	Ca_kabuli_chr02	33854266	CC	TT	1940157876
SNP_P1_33962_33854438	NC_021161.1	Ca_kabuli_chr02	33854438	AA	CC	1940157877
SNP_P1_33963_33881016	NC_021161.1	Ca_kabuli_chr02	33881016	GG	AA	1940157878
SNP_P1_33964_33912779	NC_021161.1	Ca_kabuli_chr02	33912779	AA	GG	1940157879
SNP_P1_33967_33944749	NC_021161.1	Ca_kabuli_chr02	33944749	CC	AA	1940157880
SNP_P1_33970_33955534	NC_021161.1	Ca_kabuli_chr02	33955534	TT	CC	1940157881
SNP_P1_33971_33955620	NC_021161.1	Ca_kabuli_chr02	33955620	AA	GG	1940157882
SNP_P1_33973_33959755	NC_021161.1	Ca_kabuli_chr02	33959755	GG	TT	1940157883
SNP_P1_33974_33959804	NC_021161.1	Ca_kabuli_chr02	33959804	TT	CC	1940157884
SNP_P1_33975_33959859	NC_021161.1	Ca_kabuli_chr02	33959859	CC	TT	1940157885
SNP_P1_33976_33960216	NC_021161.1	Ca_kabuli_chr02	33960216	TT	CC	1940157886
SNP_P1_33977_33960235	NC_021161.1	Ca_kabuli_chr02	33960235	CC	AA	1940157887
SNP_P1_33978_33960240	NC_021161.1	Ca_kabuli_chr02	33960240	GG	CC	1940157888
SNP_P1_33979_33960251	NC_021161.1	Ca_kabuli_chr02	33960251	AA	GG	1940157889
SNP_P1_33980_33960876	NC_021161.1	Ca_kabuli_chr02	33960876	TT	CC	1940157890
SNP_P1_33981_33960881	NC_021161.1	Ca_kabuli_chr02	33960881	TT	CC	1940157891
SNP_P1_33982_33961729	NC_021161.1	Ca_kabuli_chr02	33961729	GG	AA	1940157892
SNP_P1_33983_33984158	NC_021161.1	Ca_kabuli_chr02	33984158	GG	TT	1940157893
SNP_P1_33984_33984200	NC_021161.1	Ca_kabuli_chr02	33984200	TT	AA	1940157894
SNP_P1_33985_33984237	NC_021161.1	Ca_kabuli_chr02	33984237	CC	TT	1940157895
SNP_P1_33986_33984260	NC_021161.1	Ca_kabuli_chr02	33984260	AA	GG	1940157896
SNP_P1_33988_33984388	NC_021161.1	Ca_kabuli_chr02	33984388	GG	CC	1940157897
SNP_P1_33989_33984402	NC_021161.1	Ca_kabuli_chr02	33984402	GG	AA	1940157898
SNP_P1_33990_33984409	NC_021161.1	Ca_kabuli_chr02	33984409	AA	TT	1940157899
SNP_P1_33991_33984416	NC_021161.1	Ca_kabuli_chr02	33984416	CC	TT	1940157900
SNP_P1_33992_33984453	NC_021161.1	Ca_kabuli_chr02	33984453	TT	CC	1940157902
SNP_P1_33993_33984502	NC_021161.1	Ca_kabuli_chr02	33984502	GG	AA	1940157903
SNP_P1_33994_33984568	NC_021161.1	Ca_kabuli_chr02	33984568	TT	GG	1940157904
SNP_P1_33995_33984576	NC_021161.1	Ca_kabuli_chr02	33984576	TT	GG	1940157905
SNP_P1_33996_33984580	NC_021161.1	Ca_kabuli_chr02	33984580	AA	TT	1940157906
SNP_P1_33997_33984585	NC_021161.1	Ca_kabuli_chr02	33984585	TT	GG	1940157907

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_33999_33984614	NC_021161.1	Ca_kabuli_chr02	33984614	AA	TT	1940157909
SNP_P1_34000_33984681	NC_021161.1	Ca_kabuli_chr02	33984681	AA	TT	1940157910
SNP_P1_34001_33984995	NC_021161.1	Ca_kabuli_chr02	33984995	TT	AA	1940157911
SNP_P1_34002_33985356	NC_021161.1	Ca_kabuli_chr02	33985356	GG	AA	1940157912
SNP_P1_34003_33985612	NC_021161.1	Ca_kabuli_chr02	33985612	GG	AA	1940157913
SNP_P1_34004_33985714	NC_021161.1	Ca_kabuli_chr02	33985714	AA	CC	1940157914
SNP_P1_34006_33986315	NC_021161.1	Ca_kabuli_chr02	33986315	TT	GG	1940157915
SNP_P1_34007_33986317	NC_021161.1	Ca_kabuli_chr02	33986317	TT	CC	1940157916
SNP_P1_34008_33986329	NC_021161.1	Ca_kabuli_chr02	33986329	CC	AA	1940157917
SNP_P1_34009_33986330	NC_021161.1	Ca_kabuli_chr02	33986330	TT	CC	1940157918
SNP_P1_34010_33986335	NC_021161.1	Ca_kabuli_chr02	33986335	TT	CC	1940157919
SNP_P1_34011_33986566	NC_021161.1	Ca_kabuli_chr02	33986566	AA	GG	1940157920
SNP_P1_34013_33986596	NC_021161.1	Ca_kabuli_chr02	33986596	GG	TT	1940157921
SNP_P1_34014_33986597	NC_021161.1	Ca_kabuli_chr02	33986597	GG	TT	1940157922
SNP_P1_34015_33986629	NC_021161.1	Ca_kabuli_chr02	33986629	AA	TT	1940157923
SNP_P1_34016_33986652	NC_021161.1	Ca_kabuli_chr02	33986652	GG	CC	1940157924
SNP_P1_34017_33986683	NC_021161.1	Ca_kabuli_chr02	33986683	CC	TT	1940157925
SNP_P1_34018_33986688	NC_021161.1	Ca_kabuli_chr02	33986688	TT	AA	1940157926
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SNP_P1_34020_33986714	NC_021161.1	Ca_kabuli_chr02	33986714	AA	TT	1940157928
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SNP_P1_34022_33986819	NC_021161.1	Ca_kabuli_chr02	33986819	AA	TT	1940157930
SNP_P1_34023_33986828	NC_021161.1	Ca_kabuli_chr02	33986828	AA	GG	1940157931
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SNP_P1_34026_33986923	NC_021161.1	Ca_kabuli_chr02	33986923	AA	TT	1940157935
SNP_P1_34027_33993958	NC_021161.1	Ca_kabuli_chr02	33993958	TT	CC	1940157936
SNP_P1_34028_33993982	NC_021161.1	Ca_kabuli_chr02	33993982	CC	TT	1940157937
SNP_P1_34029_34022954	NC_021161.1	Ca_kabuli_chr02	34022954	GG	AA	1940157938
SNP_P1_34030_34025175	NC_021161.1	Ca_kabuli_chr02	34025175	AA	TT	1940157939
SNP_P1_34031_34025270	NC_021161.1	Ca_kabuli_chr02	34025270	TT	CC	1940157940
SNP_P1_34032_34025286	NC_021161.1	Ca_kabuli_chr02	34025286	TT	CC	1940157941
SNP_P1_34033_34025292	NC_021161.1	Ca_kabuli_chr02	34025292	GG	AA	1940157942
SNP_P1_34034_34025330	NC_021161.1	Ca_kabuli_chr02	34025330	AA	TT	1940157943
SNP_P1_34035_34025521	NC_021161.1	Ca_kabuli_chr02	34025521	CC	TT	1940157944
SNP_P1_34036_34025538	NC_021161.1	Ca_kabuli_chr02	34025538	TT	CC	1940157945
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SNP_P1_34038_34025653	NC_021161.1	Ca_kabuli_chr02	34025653	TT	CC	1940157947
SNP_P1_34039_34028460	NC_021161.1	Ca_kabuli_chr02	34028460	AA	CC	1940157948
SNP_P1_34040_34028465	NC_021161.1	Ca_kabuli_chr02	34028465	AA	TT	1940157949
SNP_P1_34041_34028525	NC_021161.1	Ca_kabuli_chr02	34028525	AA	TT	1940157950

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34043_34028572	NC_021161.1	Ca_kabuli_chr02	34028572	AA	TT	1940157952
SNP_P1_34044_34028709	NC_021161.1	Ca_kabuli_chr02	34028709	GG	AA	1940157953
SNP_P1_34045_34028751	NC_021161.1	Ca_kabuli_chr02	34028751	TT	CC	1940157954
SNP_P1_34046_34028821	NC_021161.1	Ca_kabuli_chr02	34028821	TT	CC	1940157955
SNP_P1_34047_34028828	NC_021161.1	Ca_kabuli_chr02	34028828	AA	GG	1940157956
SNP_P1_34049_34028908	NC_021161.1	Ca_kabuli_chr02	34028908	TT	CC	1940157957
SNP_P1_34050_34038173	NC_021161.1	Ca_kabuli_chr02	34038173	CC	TT	1940157958
SNP_P1_34051_34038186	NC_021161.1	Ca_kabuli_chr02	34038186	AA	GG	1940157959
SNP_P1_34052_34038189	NC_021161.1	Ca_kabuli_chr02	34038189	TT	CC	1940157960
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SNP_P1_34055_34038724	NC_021161.1	Ca_kabuli_chr02	34038724	AA	GG	1940157963
SNP_P1_34056_34038736	NC_021161.1	Ca_kabuli_chr02	34038736	GG	AA	1940157964
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SNP_P1_34058_34054829	NC_021161.1	Ca_kabuli_chr02	34054829	CC	TT	1940157966
SNP_P1_34059_34054932	NC_021161.1	Ca_kabuli_chr02	34054932	AA	TT	1940157967
SNP_P1_34060_34061593	NC_021161.1	Ca_kabuli_chr02	34061593	CC	AA	1940157968
SNP_P1_34061_34062292	NC_021161.1	Ca_kabuli_chr02	34062292	TT	GG	1940157969
SNP_P1_34062_34065051	NC_021161.1	Ca_kabuli_chr02	34065051	CC	GG	1940157970
SNP_P1_34063_34074831	NC_021161.1	Ca_kabuli_chr02	34074831	CC	TT	1940157971
SNP_P1_34064_34076126	NC_021161.1	Ca_kabuli_chr02	34076126	AA	CC	1940157972
SNP_P1_34065_34081564	NC_021161.1	Ca_kabuli_chr02	34081564	GG	AA	1940157973
SNP_P1_34066_34084615	NC_021161.1	Ca_kabuli_chr02	34084615	TT	CC	1940157974
SNP_P1_34067_34085738	NC_021161.1	Ca_kabuli_chr02	34085738	GG	AA	1940157975
SNP_P1_34068_34085818	NC_021161.1	Ca_kabuli_chr02	34085818	TT	CC	1940157976
SNP_P1_34069_34086029	NC_021161.1	Ca_kabuli_chr02	34086029	CC	TT	1940157977
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SNP_P1_34071_34086050	NC_021161.1	Ca_kabuli_chr02	34086050	GG	AA	1940157979
SNP_P1_34072_34086056	NC_021161.1	Ca_kabuli_chr02	34086056	TT	CC	1940157980
SNP_P1_34073_34086113	NC_021161.1	Ca_kabuli_chr02	34086113	CC	TT	1940157982
SNP_P1_34074_34086122	NC_021161.1	Ca_kabuli_chr02	34086122	CC	TT	1940157983
SNP_P1_34075_34086179	NC_021161.1	Ca_kabuli_chr02	34086179	CC	GG	1940157984
SNP_P1_34076_34086188	NC_021161.1	Ca_kabuli_chr02	34086188	GG	AA	1940157985
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SNP_P1_34078_34086286	NC_021161.1	Ca_kabuli_chr02	34086286	CC	TT	1940157987
SNP_P1_34079_34086293	NC_021161.1	Ca_kabuli_chr02	34086293	TT	CC	1940157988
SNP_P1_34080_34086455	NC_021161.1	Ca_kabuli_chr02	34086455	CC	TT	1940157989
SNP_P1_34081_34086534	NC_021161.1	Ca_kabuli_chr02	34086534	TT	CC	1940157990
SNP_P1_34082_34086616	NC_021161.1	Ca_kabuli_chr02	34086616	CC	GG	1940157991
SNP_P1_34083_34087085	NC_021161.1	Ca_kabuli_chr02	34087085	TT	CC	1940157992
SNP_P1_34085_34090102	NC_021161.1	Ca_kabuli_chr02	34090102	CC	TT	1940157993

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_34086_34092510	NC_021161.1	Ca_kabuli_chr02	34092510	AA	TT	1940157994
SNP_P1_34087_34142126	NC_021161.1	Ca_kabuli_chr02	34142126	TT	CC	1940157995
SNP_P1_34088_34142919	NC_021161.1	Ca_kabuli_chr02	34142919	TT	CC	1940157996
SNP_P1_34089_34143063	NC_021161.1	Ca_kabuli_chr02	34143063	TT	CC	1940157997
SNP_P1_34090_34143090	NC_021161.1	Ca_kabuli_chr02	34143090	TT	CC	1940157998
SNP_P1_34091_34164814	NC_021161.1	Ca_kabuli_chr02	34164814	GG	AA	1940157999
SNP_P1_34092_34176190	NC_021161.1	Ca_kabuli_chr02	34176190	AA	TT	1940158000
SNP_P1_34094_34262836	NC_021161.1	Ca_kabuli_chr02	34262836	AA	GG	1940158001
SNP_P1_34095_34262841	NC_021161.1	Ca_kabuli_chr02	34262841	TT	CC	1940158002
SNP_P1_34096_34283996	NC_021161.1	Ca_kabuli_chr02	34283996	AA	TT	1940158003
SNP_P1_34097_34295084	NC_021161.1	Ca_kabuli_chr02	34295084	GG	AA	1940158004
SNP_P1_34099_34353800	NC_021161.1	Ca_kabuli_chr02	34353800	CC	TT	1940158005
SNP_P1_34101_34354082	NC_021161.1	Ca_kabuli_chr02	34354082	TT	CC	1940158006
SNP_P1_34102_34354372	NC_021161.1	Ca_kabuli_chr02	34354372	GG	TT	1940158007
SNP_P1_34103_34354616	NC_021161.1	Ca_kabuli_chr02	34354616	GG	AA	1940158008
SNP_P1_34104_34354632	NC_021161.1	Ca_kabuli_chr02	34354632	AA	TT	1940158009
SNP_P1_34105_34355149	NC_021161.1	Ca_kabuli_chr02	34355149	GG	CC	1940158010
SNP_P1_34108_34355499	NC_021161.1	Ca_kabuli_chr02	34355499	TT	AA	1940158011
SNP_P1_34109_34355549	NC_021161.1	Ca_kabuli_chr02	34355549	AA	TT	1940158012
SNP_P1_34110_34355603	NC_021161.1	Ca_kabuli_chr02	34355603	AA	GG	1940158013
SNP_P1_34111_34355723	NC_021161.1	Ca_kabuli_chr02	34355723	CC	TT	1940158014
SNP_P1_34112_34355804	NC_021161.1	Ca_kabuli_chr02	34355804	AA	GG	1940158015
SNP_P1_34113_34355956	NC_021161.1	Ca_kabuli_chr02	34355956	CC	TT	1940158016
SNP_P1_34114_34357798	NC_021161.1	Ca_kabuli_chr02	34357798	TT	GG	1940158017
SNP_P1_34115_34357881	NC_021161.1	Ca_kabuli_chr02	34357881	AA	TT	1940158018
SNP_P1_34117_34449469	NC_021161.1	Ca_kabuli_chr02	34449469	GG	AA	1940158019
SNP_P1_34119_34491777	NC_021161.1	Ca_kabuli_chr02	34491777	CC	TT	1940158020
SNP_P1_34120_34497103	NC_021161.1	Ca_kabuli_chr02	34497103	CC	TT	1940158021
SNP_P1_34121_34504881	NC_021161.1	Ca_kabuli_chr02	34504881	AA	GG	1940158022
SNP_P1_34122_34505217	NC_021161.1	Ca_kabuli_chr02	34505217	GG	AA	1940158023
SNP_P1_34123_34505232	NC_021161.1	Ca_kabuli_chr02	34505232	TT	AA	1940158024
SNP_P1_34125_34515994	NC_021161.1	Ca_kabuli_chr02	34515994	TT	GG	1940158025
SNP_P1_34127_34566633	NC_021161.1	Ca_kabuli_chr02	34566633	TT	CC	1940158026
SNP_P1_34128_34566908	NC_021161.1	Ca_kabuli_chr02	34566908	CC	TT	1940158027
SNP_P1_34129_34567017	NC_021161.1	Ca_kabuli_chr02	34567017	AA	GG	1940158028
SNP_P1_34130_34567031	NC_021161.1	Ca_kabuli_chr02	34567031	TT	CC	1940158029
SNP_P1_34131_34567061	NC_021161.1	Ca_kabuli_chr02	34567061	AA	TT	1940158030
SNP_P1_34132_34569193	NC_021161.1	Ca_kabuli_chr02	34569193	CC	TT	1940158031
SNP_P1_34134_34588291	NC_021161.1	Ca_kabuli_chr02	34588291	AA	GG	1940158032
SNP_P1_34136_34658890	NC_021161.1	Ca_kabuli_chr02	34658890	TT	AA	1940158033
SNP_P1_34137_34669279	NC_021161.1	Ca_kabuli_chr02	34669279	CC	TT	1940158034
SNP_P1_34138_34672336	NC_021161.1	Ca_kabuli_chr02	34672336	AA	GG	1940158035

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_34139_34683423	NC_021161.1	Ca_kabuli_chr02	34683423	AA	TT	1940158036
SNP_P1_34140_34683522	NC_021161.1	Ca_kabuli_chr02	34683522	TT	AA	1940158037
SNP_P1_34141_34683539	NC_021161.1	Ca_kabuli_chr02	34683539	CC	TT	1940158038
SNP_P1_34142_34683576	NC_021161.1	Ca_kabuli_chr02	34683576	CC	TT	1940158040
SNP_P1_34143_34683739	NC_021161.1	Ca_kabuli_chr02	34683739	AA	CC	1940158041
SNP_P1_34145_34683876	NC_021161.1	Ca_kabuli_chr02	34683876	AA	GG	1940158042
SNP_P1_34146_34683889	NC_021161.1	Ca_kabuli_chr02	34683889	AA	TT	1940158043
SNP_P1_34147_34683928	NC_021161.1	Ca_kabuli_chr02	34683928	TT	AA	1940158044
SNP_P1_34148_34683949	NC_021161.1	Ca_kabuli_chr02	34683949	CC	AA	1940158045
SNP_P1_34149_34684026	NC_021161.1	Ca_kabuli_chr02	34684026	TT	CC	1940158046
SNP_P1_34150_34684048	NC_021161.1	Ca_kabuli_chr02	34684048	CC	TT	1940158047
SNP_P1_34151_34684138	NC_021161.1	Ca_kabuli_chr02	34684138	GG	AA	1940158048
SNP_P1_34152_34684183	NC_021161.1	Ca_kabuli_chr02	34684183	AA	GG	1940158049
SNP_P1_34153_34684216	NC_021161.1	Ca_kabuli_chr02	34684216	AA	GG	1940158050
SNP_P1_34154_34684222	NC_021161.1	Ca_kabuli_chr02	34684222	GG	AA	1940158051
SNP_P1_34155_34684251	NC_021161.1	Ca_kabuli_chr02	34684251	GG	TT	1940158052
SNP_P1_34156_34684271	NC_021161.1	Ca_kabuli_chr02	34684271	AA	TT	1940158053
SNP_P1_34157_34684276	NC_021161.1	Ca_kabuli_chr02	34684276	AA	GG	1940158054
SNP_P1_34158_34684292	NC_021161.1	Ca_kabuli_chr02	34684292	CC	TT	1940158055
SNP_P1_34159_34684296	NC_021161.1	Ca_kabuli_chr02	34684296	AA	GG	1940158056
SNP_P1_34160_34684298	NC_021161.1	Ca_kabuli_chr02	34684298	CC	AA	1940158057
SNP_P1_34161_34684314	NC_021161.1	Ca_kabuli_chr02	34684314	GG	CC	1940158058
SNP_P1_34162_34684322	NC_021161.1	Ca_kabuli_chr02	34684322	GG	CC	1940158059
SNP_P1_34163_34684323	NC_021161.1	Ca_kabuli_chr02	34684323	GG	AA	1940158060
SNP_P1_34164_34684327	NC_021161.1	Ca_kabuli_chr02	34684327	AA	GG	1940158061
SNP_P1_34165_34684342	NC_021161.1	Ca_kabuli_chr02	34684342	TT	GG	1940158062
SNP_P1_34166_34684346	NC_021161.1	Ca_kabuli_chr02	34684346	GG	AA	1940158063
SNP_P1_34167_34684354	NC_021161.1	Ca_kabuli_chr02	34684354	TT	CC	1940158064
SNP_P1_34169_34684403	NC_021161.1	Ca_kabuli_chr02	34684403	GG	AA	1940158065
SNP_P1_34170_34684428	NC_021161.1	Ca_kabuli_chr02	34684428	GG	CC	1940158066
SNP_P1_34171_34684448	NC_021161.1	Ca_kabuli_chr02	34684448	CC	TT	1940158067
SNP_P1_34172_34684509	NC_021161.1	Ca_kabuli_chr02	34684509	TT	GG	1940158068
SNP_P1_34174_34684646	NC_021161.1	Ca_kabuli_chr02	34684646	GG	AA	1940158069
SNP_P1_34176_34684732	NC_021161.1	Ca_kabuli_chr02	34684732	AA	GG	1940158070
SNP_P1_34177_34684742	NC_021161.1	Ca_kabuli_chr02	34684742	GG	AA	1940158071
SNP_P1_34178_34684754	NC_021161.1	Ca_kabuli_chr02	34684754	GG	TT	1940158072
SNP_P1_34179_34684833	NC_021161.1	Ca_kabuli_chr02	34684833	GG	AA	1940158073
SNP_P1_34180_34684850	NC_021161.1	Ca_kabuli_chr02	34684850	TT	CC	1940158074
SNP_P1_34183_34685009	NC_021161.1	Ca_kabuli_chr02	34685009	CC	AA	1940158075
SNP_P1_34184_34685048	NC_021161.1	Ca_kabuli_chr02	34685048	CC	TT	1940158076
SNP_P1_34185_34685085	NC_021161.1	Ca_kabuli_chr02	34685085	CC	TT	1940158077
SNP_P1_34186_34685101	NC_021161.1	Ca_kabuli_chr02	34685101	CC	TT	1940158078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34188_34685148	NC_021161.1	Ca_kabuli_chr02	34685148	GG	TT	1940158080
SNP_P1_34189_34685180	NC_021161.1	Ca_kabuli_chr02	34685180	CC	TT	1940158081
SNP_P1_34191_34685339	NC_021161.1	Ca_kabuli_chr02	34685339	TT	GG	1940158082
SNP_P1_34192_34685510	NC_021161.1	Ca_kabuli_chr02	34685510	TT	CC	1940158083
SNP_P1_34193_34685546	NC_021161.1	Ca_kabuli_chr02	34685546	CC	AA	1940158084
SNP_P1_34194_34685550	NC_021161.1	Ca_kabuli_chr02	34685550	GG	CC	1940158085
SNP_P1_34195_34685691	NC_021161.1	Ca_kabuli_chr02	34685691	TT	AA	1940158086
SNP_P1_34197_34685913	NC_021161.1	Ca_kabuli_chr02	34685913	AA	CC	1940158087
SNP_P1_34199_34768734	NC_021161.1	Ca_kabuli_chr02	34768734	TT	GG	1940158088
SNP_P1_34200_34768736	NC_021161.1	Ca_kabuli_chr02	34768736	TT	AA	1940158089
SNP_P1_34201_34785613	NC_021161.1	Ca_kabuli_chr02	34785613	CC	TT	1940158090
SNP_P1_34202_34803504	NC_021161.1	Ca_kabuli_chr02	34803504	CC	TT	1940158091
SNP_P1_34203_34807547	NC_021161.1	Ca_kabuli_chr02	34807547	GG	AA	1940158092
SNP_P1_34204_34807638	NC_021161.1	Ca_kabuli_chr02	34807638	GG	CC	1940158093
SNP_P1_34205_34809592	NC_021161.1	Ca_kabuli_chr02	34809592	GG	AA	1940158094
SNP_P1_34206_34810138	NC_021161.1	Ca_kabuli_chr02	34810138	GG	AA	1940158095
SNP_P1_34207_34824845	NC_021161.1	Ca_kabuli_chr02	34824845	AA	GG	1940158097
SNP_P1_34208_34826519	NC_021161.1	Ca_kabuli_chr02	34826519	TT	CC	1940158098
SNP_P1_34209_34830579	NC_021161.1	Ca_kabuli_chr02	34830579	TT	GG	1940158099
SNP_P1_34210_34830714	NC_021161.1	Ca_kabuli_chr02	34830714	CC	TT	1940158100
SNP_P1_34211_34830733	NC_021161.1	Ca_kabuli_chr02	34830733	CC	GG	1940158101
SNP_P1_34212_34830827	NC_021161.1	Ca_kabuli_chr02	34830827	CC	TT	1940158102
SNP_P1_34213_34830967	NC_021161.1	Ca_kabuli_chr02	34830967	GG	AA	1940158103
SNP_P1_34214_34831161	NC_021161.1	Ca_kabuli_chr02	34831161	TT	CC	1940158104
SNP_P1_34216_34857828	NC_021161.1	Ca_kabuli_chr02	34857828	CC	AA	1940158105
SNP_P1_34218_34918111	NC_021161.1	Ca_kabuli_chr02	34918111	TT	CC	1940158106
SNP_P1_34219_34918131	NC_021161.1	Ca_kabuli_chr02	34918131	TT	CC	1940158107
SNP_P1_34220_34918170	NC_021161.1	Ca_kabuli_chr02	34918170	CC	GG	1940158108
SNP_P1_34221_34921677	NC_021161.1	Ca_kabuli_chr02	34921677	TT	AA	1940158109
SNP_P1_34222_34924326	NC_021161.1	Ca_kabuli_chr02	34924326	TT	GG	1940158110
SNP_P1_34223_34937732	NC_021161.1	Ca_kabuli_chr02	34937732	GG	TT	1940158111
SNP_P1_34224_34937829	NC_021161.1	Ca_kabuli_chr02	34937829	GG	AA	1940158112
SNP_P1_34225_34943556	NC_021161.1	Ca_kabuli_chr02	34943556	TT	AA	1940158113
SNP_P1_34226_34943560	NC_021161.1	Ca_kabuli_chr02	34943560	CC	TT	1940158114
SNP_P1_34227_34943570	NC_021161.1	Ca_kabuli_chr02	34943570	TT	AA	1940158115
SNP_P1_34228_34943588	NC_021161.1	Ca_kabuli_chr02	34943588	TT	AA	1940158116
SNP_P1_34229_34943590	NC_021161.1	Ca_kabuli_chr02	34943590	CC	TT	1940158117
SNP_P1_34230_34943595	NC_021161.1	Ca_kabuli_chr02	34943595	TT	CC	1940158118
SNP_P1_34231_34948960	NC_021161.1	Ca_kabuli_chr02	34948960	TT	CC	1940158119
SNP_P1_34232_34956552	NC_021161.1	Ca_kabuli_chr02	34956552	CC	TT	1940158120
SNP_P1_34233_34956567	NC_021161.1	Ca_kabuli_chr02	34956567	CC	AA	1940158121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_34234_34956574	NC_021161.1	Ca_kabuli_chr02	34956574	AA	GG	1940158122
SNP_P1_34235_34967592	NC_021161.1	Ca_kabuli_chr02	34967592	GG	AA	1940158123
SNP_P1_34236_34967620	NC_021161.1	Ca_kabuli_chr02	34967620	AA	TT	1940158124
SNP_P1_34237_34967679	NC_021161.1	Ca_kabuli_chr02	34967679	TT	AA	1940158125
SNP_P1_34238_34979636	NC_021161.1	Ca_kabuli_chr02	34979636	TT	AA	1940158126
SNP_P1_34240_34994910	NC_021161.1	Ca_kabuli_chr02	34994910	TT	CC	1940158127
SNP_P1_34241_34997328	NC_021161.1	Ca_kabuli_chr02	34997328	AA	GG	1940158128
SNP_P1_34242_35002115	NC_021161.1	Ca_kabuli_chr02	35002115	AA	GG	1940158129
SNP_P1_34244_35113312	NC_021161.1	Ca_kabuli_chr02	35113312	AA	TT	1940158130
SNP_P1_34246_35158135	NC_021161.1	Ca_kabuli_chr02	35158135	AA	TT	1940158131
SNP_P1_34247_35168735	NC_021161.1	Ca_kabuli_chr02	35168735	AA	CC	1940158132
SNP_P1_34248_35168737	NC_021161.1	Ca_kabuli_chr02	35168737	AA	CC	1940158133
SNP_P1_34249_35199672	NC_021161.1	Ca_kabuli_chr02	35199672	CC	AA	1940158134
SNP_P1_34250_35199681	NC_021161.1	Ca_kabuli_chr02	35199681	CC	AA	1940158135
SNP_P1_34252_35229029	NC_021161.1	Ca_kabuli_chr02	35229029	CC	TT	1940158136
SNP_P1_34253_35258326	NC_021161.1	Ca_kabuli_chr02	35258326	CC	TT	1940158137
SNP_P1_34254_35258337	NC_021161.1	Ca_kabuli_chr02	35258337	TT	AA	1940158138
SNP_P1_34255_35258397	NC_021161.1	Ca_kabuli_chr02	35258397	TT	CC	1940158139
SNP_P1_34257_35258711	NC_021161.1	Ca_kabuli_chr02	35258711	TT	CC	1940158140
SNP_P1_34258_35258756	NC_021161.1	Ca_kabuli_chr02	35258756	CC	TT	1940158141
SNP_P1_34259_35258881	NC_021161.1	Ca_kabuli_chr02	35258881	TT	CC	1940158142
SNP_P1_34260_35258925	NC_021161.1	Ca_kabuli_chr02	35258925	GG	AA	1940158143
SNP_P1_34261_35258936	NC_021161.1	Ca_kabuli_chr02	35258936	GG	AA	1940158144
SNP_P1_34262_35259149	NC_021161.1	Ca_kabuli_chr02	35259149	CC	TT	1940158145
SNP_P1_34264_35263178	NC_021161.1	Ca_kabuli_chr02	35263178	TT	CC	1940158146
SNP_P1_34265_35263183	NC_021161.1	Ca_kabuli_chr02	35263183	GG	CC	1940158147
SNP_P1_34266_35263413	NC_021161.1	Ca_kabuli_chr02	35263413	TT	GG	1940158148
SNP_P1_34267_35263441	NC_021161.1	Ca_kabuli_chr02	35263441	AA	TT	1940158150
SNP_P1_34268_35263442	NC_021161.1	Ca_kabuli_chr02	35263442	AA	GG	1940158151
SNP_P1_34269_35273904	NC_021161.1	Ca_kabuli_chr02	35273904	CC	AA	1940158152
SNP_P1_34271_35287542	NC_021161.1	Ca_kabuli_chr02	35287542	CC	TT	1940158153
SNP_P1_34272_35287773	NC_021161.1	Ca_kabuli_chr02	35287773	CC	GG	1940158154
SNP_P1_34273_35287787	NC_021161.1	Ca_kabuli_chr02	35287787	CC	TT	1940158155
SNP_P1_34274_35287791	NC_021161.1	Ca_kabuli_chr02	35287791	TT	GG	1940158156
SNP_P1_34275_35287799	NC_021161.1	Ca_kabuli_chr02	35287799	AA	GG	1940158157
SNP_P1_34276_35287874	NC_021161.1	Ca_kabuli_chr02	35287874	TT	CC	1940158158
SNP_P1_34277_35287920	NC_021161.1	Ca_kabuli_chr02	35287920	CC	TT	1940158159
SNP_P1_34278_35287962	NC_021161.1	Ca_kabuli_chr02	35287962	GG	CC	1940158160
SNP_P1_34279_35288028	NC_021161.1	Ca_kabuli_chr02	35288028	TT	AA	1940158161
SNP_P1_34280_35288039	NC_021161.1	Ca_kabuli_chr02	35288039	AA	GG	1940158162
SNP_P1_34281_35288097	NC_021161.1	Ca_kabuli_chr02	35288097	TT	CC	1940158163
SNP_P1_34283_35288190	NC_021161.1	Ca_kabuli_chr02	35288190	AA	GG	1940158164

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34285_35288205	NC_021161.1	Ca_kabuli_chr02	35288205	GG	TT	1940158166
SNP_P1_34286_35288260	NC_021161.1	Ca_kabuli_chr02	35288260	AA	GG	1940158167
SNP_P1_34287_35288350	NC_021161.1	Ca_kabuli_chr02	35288350	TT	CC	1940158168
SNP_P1_34288_35288351	NC_021161.1	Ca_kabuli_chr02	35288351	TT	CC	1940158169
SNP_P1_34289_35288379	NC_021161.1	Ca_kabuli_chr02	35288379	AA	CC	1940158170
SNP_P1_34290_35288412	NC_021161.1	Ca_kabuli_chr02	35288412	GG	TT	1940158171
SNP_P1_34291_35288433	NC_021161.1	Ca_kabuli_chr02	35288433	CC	TT	1940158172
SNP_P1_34293_35288529	NC_021161.1	Ca_kabuli_chr02	35288529	AA	TT	1940158173
SNP_P1_34294_35288530	NC_021161.1	Ca_kabuli_chr02	35288530	CC	TT	1940158174
SNP_P1_34295_35288540	NC_021161.1	Ca_kabuli_chr02	35288540	TT	AA	1940158175
SNP_P1_34296_35288578	NC_021161.1	Ca_kabuli_chr02	35288578	GG	TT	1940158176
SNP_P1_34297_35288581	NC_021161.1	Ca_kabuli_chr02	35288581	GG	AA	1940158177
SNP_P1_34298_35288859	NC_021161.1	Ca_kabuli_chr02	35288859	TT	GG	1940158178
SNP_P1_34299_35288863	NC_021161.1	Ca_kabuli_chr02	35288863	GG	TT	1940158179
SNP_P1_34300_35288966	NC_021161.1	Ca_kabuli_chr02	35288966	TT	CC	1940158180
SNP_P1_34301_35288967	NC_021161.1	Ca_kabuli_chr02	35288967	TT	AA	1940158181
SNP_P1_34302_35289047	NC_021161.1	Ca_kabuli_chr02	35289047	TT	CC	1940158182
SNP_P1_34303_35289099	NC_021161.1	Ca_kabuli_chr02	35289099	TT	GG	1940158183
SNP_P1_34304_35289103	NC_021161.1	Ca_kabuli_chr02	35289103	GG	CC	1940158184
SNP_P1_34305_35289282	NC_021161.1	Ca_kabuli_chr02	35289282	AA	CC	1940158185
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SNP_P1_34307_35289367	NC_021161.1	Ca_kabuli_chr02	35289367	GG	TT	1940158187
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SNP_P1_34310_35289427	NC_021161.1	Ca_kabuli_chr02	35289427	AA	GG	1940158189
SNP_P1_34311_35289459	NC_021161.1	Ca_kabuli_chr02	35289459	AA	TT	1940158190
SNP_P1_34313_35291940	NC_021161.1	Ca_kabuli_chr02	35291940	AA	GG	1940158191
SNP_P1_34315_35297846	NC_021161.1	Ca_kabuli_chr02	35297846	TT	CC	1940158192
SNP_P1_34316_35297860	NC_021161.1	Ca_kabuli_chr02	35297860	CC	AA	1940158193
SNP_P1_34318_35298527	NC_021161.1	Ca_kabuli_chr02	35298527	CC	TT	1940158194
SNP_P1_34319_35298528	NC_021161.1	Ca_kabuli_chr02	35298528	GG	AA	1940158195
SNP_P1_34320_35298533	NC_021161.1	Ca_kabuli_chr02	35298533	AA	TT	1940158196
SNP_P1_34321_35298545	NC_021161.1	Ca_kabuli_chr02	35298545	TT	CC	1940158197
SNP_P1_34322_35298553	NC_021161.1	Ca_kabuli_chr02	35298553	CC	GG	1940158198
SNP_P1_34323_35298581	NC_021161.1	Ca_kabuli_chr02	35298581	CC	TT	1940158199
SNP_P1_34324_35298784	NC_021161.1	Ca_kabuli_chr02	35298784	TT	AA	1940158200
SNP_P1_34325_35298857	NC_021161.1	Ca_kabuli_chr02	35298857	GG	AA	1940158201
SNP_P1_34327_35299052	NC_021161.1	Ca_kabuli_chr02	35299052	CC	TT	1940158202
SNP_P1_34328_35299116	NC_021161.1	Ca_kabuli_chr02	35299116	GG	AA	1940158203
SNP_P1_34329_35299117	NC_021161.1	Ca_kabuli_chr02	35299117	AA	CC	1940158205
SNP_P1_34330_35299129	NC_021161.1	Ca_kabuli_chr02	35299129	GG	AA	1940158206
SNP_P1_34331_35299161	NC_021161.1	Ca_kabuli_chr02	35299161	CC	GG	1940158207

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34333_35299597	NC_021161.1	Ca_kabuli_chr02	35299597	TT	CC	1940158209
SNP_P1_34334_35299936	NC_021161.1	Ca_kabuli_chr02	35299936	AA	GG	1940158210
SNP_P1_34335_35300144	NC_021161.1	Ca_kabuli_chr02	35300144	AA	GG	1940158211
SNP_P1_34336_35300860	NC_021161.1	Ca_kabuli_chr02	35300860	TT	CC	1940158212
SNP_P1_34337_35302916	NC_021161.1	Ca_kabuli_chr02	35302916	GG	AA	1940158213
SNP_P1_34338_35302992	NC_021161.1	Ca_kabuli_chr02	35302992	GG	AA	1940158214
SNP_P1_34339_35303184	NC_021161.1	Ca_kabuli_chr02	35303184	GG	AA	1940158215
SNP_P1_34340_35303217	NC_021161.1	Ca_kabuli_chr02	35303217	CC	TT	1940158216
SNP_P1_34341_35303231	NC_021161.1	Ca_kabuli_chr02	35303231	CC	TT	1940158217
SNP_P1_34342_35303281	NC_021161.1	Ca_kabuli_chr02	35303281	TT	AA	1940158218
SNP_P1_34343_35303295	NC_021161.1	Ca_kabuli_chr02	35303295	GG	AA	1940158219
SNP_P1_34344_35303397	NC_021161.1	Ca_kabuli_chr02	35303397	GG	AA	1940158220
SNP_P1_34346_35303511	NC_021161.1	Ca_kabuli_chr02	35303511	GG	AA	1940158221
SNP_P1_34347_35303589	NC_021161.1	Ca_kabuli_chr02	35303589	AA	GG	1940158222
SNP_P1_34348_35303595	NC_021161.1	Ca_kabuli_chr02	35303595	TT	GG	1940158223
SNP_P1_34349_35303614	NC_021161.1	Ca_kabuli_chr02	35303614	TT	CC	1940158224
SNP_P1_34350_35303671	NC_021161.1	Ca_kabuli_chr02	35303671	CC	AA	1940158225
SNP_P1_34351_35303711	NC_021161.1	Ca_kabuli_chr02	35303711	GG	AA	1940158226
SNP_P1_34352_35303778	NC_021161.1	Ca_kabuli_chr02	35303778	AA	GG	1940158227
SNP_P1_34353_35303836	NC_021161.1	Ca_kabuli_chr02	35303836	GG	AA	1940158228
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SNP_P1_34355_35303957	NC_021161.1	Ca_kabuli_chr02	35303957	TT	CC	1940158230
SNP_P1_34356_35303978	NC_021161.1	Ca_kabuli_chr02	35303978	TT	GG	1940158231
SNP_P1_34357_35304015	NC_021161.1	Ca_kabuli_chr02	35304015	GG	CC	1940158232
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SNP_P1_34361_35304105	NC_021161.1	Ca_kabuli_chr02	35304105	TT	CC	1940158236
SNP_P1_34362_35304132	NC_021161.1	Ca_kabuli_chr02	35304132	CC	TT	1940158237
SNP_P1_34363_35304207	NC_021161.1	Ca_kabuli_chr02	35304207	GG	AA	1940158238
SNP_P1_34364_35304232	NC_021161.1	Ca_kabuli_chr02	35304232	GG	TT	1940158239
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SNP_P1_34366_35304588	NC_021161.1	Ca_kabuli_chr02	35304588	TT	CC	1940158241
SNP_P1_34367_35304603	NC_021161.1	Ca_kabuli_chr02	35304603	CC	TT	1940158242
SNP_P1_34369_35304719	NC_021161.1	Ca_kabuli_chr02	35304719	TT	CC	1940158244
SNP_P1_34370_35304722	NC_021161.1	Ca_kabuli_chr02	35304722	TT	CC	1940158245
SNP_P1_34371_35304764	NC_021161.1	Ca_kabuli_chr02	35304764	TT	CC	1940158246
SNP_P1_34372_35304962	NC_021161.1	Ca_kabuli_chr02	35304962	GG	TT	1940158247
SNP_P1_34373_35305015	NC_021161.1	Ca_kabuli_chr02	35305015	GG	AA	1940158248
SNP_P1_34374_35305138	NC_021161.1	Ca_kabuli_chr02	35305138	AA	GG	1940158249
SNP_P1_34375_35305210	NC_021161.1	Ca_kabuli_chr02	35305210	GG	AA	1940158250

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34377_35305399	NC_021161.1	Ca_kabuli_chr02	35305399	CC	TT	1940158252
SNP_P1_34378_35305429	NC_021161.1	Ca_kabuli_chr02	35305429	AA	GG	1940158253
SNP_P1_34379_35305537	NC_021161.1	Ca_kabuli_chr02	35305537	GG	CC	1940158254
SNP_P1_34380_35305584	NC_021161.1	Ca_kabuli_chr02	35305584	AA	GG	1940158255
SNP_P1_34381_35306353	NC_021161.1	Ca_kabuli_chr02	35306353	GG	AA	1940158256
SNP_P1_34382_35306374	NC_021161.1	Ca_kabuli_chr02	35306374	TT	CC	1940158257
SNP_P1_34383_35306425	NC_021161.1	Ca_kabuli_chr02	35306425	AA	TT	1940158258
SNP_P1_34384_35306429	NC_021161.1	Ca_kabuli_chr02	35306429	AA	GG	1940158259
SNP_P1_34385_35313126	NC_021161.1	Ca_kabuli_chr02	35313126	GG	TT	1940158260
SNP_P1_34386_35313198	NC_021161.1	Ca_kabuli_chr02	35313198	TT	GG	1940158261
SNP_P1_34387_35313225	NC_021161.1	Ca_kabuli_chr02	35313225	TT	GG	1940158262
SNP_P1_34388_35313309	NC_021161.1	Ca_kabuli_chr02	35313309	CC	TT	1940158263
SNP_P1_34389_35313337	NC_021161.1	Ca_kabuli_chr02	35313337	TT	AA	1940158264
SNP_P1_34391_35329363	NC_021161.1	Ca_kabuli_chr02	35329363	TT	AA	1940158265
SNP_P1_34392_35329364	NC_021161.1	Ca_kabuli_chr02	35329364	AA	GG	1940158266
SNP_P1_34393_35353824	NC_021161.1	Ca_kabuli_chr02	35353824	TT	AA	1940158267
SNP_P1_34394_35353827	NC_021161.1	Ca_kabuli_chr02	35353827	AA	CC	1940158268
SNP_P1_34395_35355855	NC_021161.1	Ca_kabuli_chr02	35355855	GG	TT	1940158269
SNP_P1_34397_35406578	NC_021161.1	Ca_kabuli_chr02	35406578	CC	TT	1940158270
SNP_P1_34398_35410973	NC_021161.1	Ca_kabuli_chr02	35410973	GG	CC	1940158271
SNP_P1_34399_35428229	NC_021161.1	Ca_kabuli_chr02	35428229	AA	GG	1940158272
SNP_P1_34400_35457956	NC_021161.1	Ca_kabuli_chr02	35457956	AA	CC	1940158273
SNP_P1_34401_35459611	NC_021161.1	Ca_kabuli_chr02	35459611	AA	CC	1940158274
SNP_P1_34402_35459613	NC_021161.1	Ca_kabuli_chr02	35459613	TT	CC	1940158275
SNP_P1_34403_35461291	NC_021161.1	Ca_kabuli_chr02	35461291	GG	AA	1940158276
SNP_P1_34404_35483289	NC_021161.1	Ca_kabuli_chr02	35483289	TT	CC	1940158277
SNP_P1_34405_35507062	NC_021161.1	Ca_kabuli_chr02	35507062	AA	TT	1940158278
SNP_P1_34407_35551751	NC_021161.1	Ca_kabuli_chr02	35551751	GG	CC	1940158279
SNP_P1_34408_35556094	NC_021161.1	Ca_kabuli_chr02	35556094	TT	CC	1940158280
SNP_P1_34410_35559369	NC_021161.1	Ca_kabuli_chr02	35559369	AA	TT	1940158281
SNP_P1_34411_35580628	NC_021161.1	Ca_kabuli_chr02	35580628	AA	TT	1940158283
SNP_P1_34412_35580685	NC_021161.1	Ca_kabuli_chr02	35580685	CC	GG	1940158284
SNP_P1_34413_35580704	NC_021161.1	Ca_kabuli_chr02	35580704	CC	AA	1940158285
SNP_P1_34414_35580924	NC_021161.1	Ca_kabuli_chr02	35580924	GG	AA	1940158286
SNP_P1_34415_35582139	NC_021161.1	Ca_kabuli_chr02	35582139	TT	CC	1940158287
SNP_P1_34416_35582151	NC_021161.1	Ca_kabuli_chr02	35582151	TT	GG	1940158288
SNP_P1_34417_35582183	NC_021161.1	Ca_kabuli_chr02	35582183	AA	TT	1940158289
SNP_P1_34418_35626794	NC_021161.1	Ca_kabuli_chr02	35626794	GG	AA	1940158290
SNP_P1_34420_35634400	NC_021161.1	Ca_kabuli_chr02	35634400	TT	GG	1940158291
SNP_P1_34421_35655650	NC_021161.1	Ca_kabuli_chr02	35655650	CC	TT	1940158292
SNP_P1_34424_35658957	NC_021161.1	Ca_kabuli_chr02	35658957	GG	AA	1940158293

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34426_35722499	NC_021161.1	Ca_kabuli_chr02	35722499	GG	TT	1940158295
SNP_P1_34427_35746727	NC_021161.1	Ca_kabuli_chr02	35746727	AA	CC	1940158296
SNP_P1_34428_35746728	NC_021161.1	Ca_kabuli_chr02	35746728	AA	TT	1940158297
SNP_P1_34429_35775449	NC_021161.1	Ca_kabuli_chr02	35775449	CC	TT	1940158298
SNP_P1_34430_35781615	NC_021161.1	Ca_kabuli_chr02	35781615	GG	AA	1940158299
SNP_P1_34431_35821513	NC_021161.1	Ca_kabuli_chr02	35821513	TT	CC	1940158300
SNP_P1_34432_35822866	NC_021161.1	Ca_kabuli_chr02	35822866	CC	TT	1940158301
SNP_P1_34434_35844255	NC_021161.1	Ca_kabuli_chr02	35844255	TT	CC	1940158302
SNP_P1_34435_35846235	NC_021161.1	Ca_kabuli_chr02	35846235	TT	AA	1940158303
SNP_P1_34436_35846431	NC_021161.1	Ca_kabuli_chr02	35846431	GG	TT	1940158304
SNP_P1_34437_35846473	NC_021161.1	Ca_kabuli_chr02	35846473	TT	CC	1940158305
SNP_P1_34438_35846656	NC_021161.1	Ca_kabuli_chr02	35846656	TT	CC	1940158306
SNP_P1_34439_35847083	NC_021161.1	Ca_kabuli_chr02	35847083	TT	CC	1940158307
SNP_P1_34440_35847091	NC_021161.1	Ca_kabuli_chr02	35847091	TT	CC	1940158308
SNP_P1_34441_35847092	NC_021161.1	Ca_kabuli_chr02	35847092	CC	TT	1940158309
SNP_P1_34442_35847107	NC_021161.1	Ca_kabuli_chr02	35847107	AA	CC	1940158310
SNP_P1_34443_35847506	NC_021161.1	Ca_kabuli_chr02	35847506	GG	CC	1940158311
SNP_P1_34444_35848213	NC_021161.1	Ca_kabuli_chr02	35848213	TT	CC	1940158312
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SNP_P1_34455_35855029	NC_021161.1	Ca_kabuli_chr02	35855029	TT	AA	1940158323
SNP_P1_34456_35855085	NC_021161.1	Ca_kabuli_chr02	35855085	CC	GG	1940158325
SNP_P1_34457_35855097	NC_021161.1	Ca_kabuli_chr02	35855097	CC	TT	1940158326
SNP_P1_34458_35856075	NC_021161.1	Ca_kabuli_chr02	35856075	AA	GG	1940158327
SNP_P1_34459_35856147	NC_021161.1	Ca_kabuli_chr02	35856147	CC	TT	1940158328
SNP_P1_34460_35856189	NC_021161.1	Ca_kabuli_chr02	35856189	TT	GG	1940158329
SNP_P1_34463_35856834	NC_021161.1	Ca_kabuli_chr02	35856834	CC	TT	1940158330
SNP_P1_34464_35856915	NC_021161.1	Ca_kabuli_chr02	35856915	GG	TT	1940158331
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SNP_P1_34467_35857262	NC_021161.1	Ca_kabuli_chr02	35857262	TT	CC	1940158333
SNP_P1_34468_35857883	NC_021161.1	Ca_kabuli_chr02	35857883	GG	AA	1940158334
SNP_P1_34470_35859630	NC_021161.1	Ca_kabuli_chr02	35859630	TT	CC	1940158335
SNP_P1_34471_35860429	NC_021161.1	Ca_kabuli_chr02	35860429	CC	TT	1940158336

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34474_35862044	NC_021161.1	Ca_kabuli_chr02	35862044	AA	GG	1940158339
SNP_P1_34475_35862325	NC_021161.1	Ca_kabuli_chr02	35862325	CC	TT	1940158340
SNP_P1_34476_35863854	NC_021161.1	Ca_kabuli_chr02	35863854	AA	GG	1940158341
SNP_P1_34477_35863856	NC_021161.1	Ca_kabuli_chr02	35863856	AA	TT	1940158342
SNP_P1_34479_35865961	NC_021161.1	Ca_kabuli_chr02	35865961	AA	GG	1940158343
SNP_P1_34480_35866046	NC_021161.1	Ca_kabuli_chr02	35866046	GG	AA	1940158344
SNP_P1_34482_35870813	NC_021161.1	Ca_kabuli_chr02	35870813	CC	TT	1940158345
SNP_P1_34484_35872500	NC_021161.1	Ca_kabuli_chr02	35872500	GG	CC	1940158346
SNP_P1_34486_35873070	NC_021161.1	Ca_kabuli_chr02	35873070	AA	GG	1940158347
SNP_P1_34487_35878088	NC_021161.1	Ca_kabuli_chr02	35878088	GG	AA	1940158348
SNP_P1_34488_35878257	NC_021161.1	Ca_kabuli_chr02	35878257	TT	CC	1940158349
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SNP_P1_34490_35878342	NC_021161.1	Ca_kabuli_chr02	35878342	TT	GG	1940158351
SNP_P1_34491_35878427	NC_021161.1	Ca_kabuli_chr02	35878427	CC	TT	1940158352
SNP_P1_34492_35878458	NC_021161.1	Ca_kabuli_chr02	35878458	TT	AA	1940158353
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SNP_P1_34494_35878767	NC_021161.1	Ca_kabuli_chr02	35878767	CC	GG	1940158355
SNP_P1_34495_35879013	NC_021161.1	Ca_kabuli_chr02	35879013	AA	GG	1940158356
SNP_P1_34496_35879037	NC_021161.1	Ca_kabuli_chr02	35879037	AA	TT	1940158357
SNP_P1_34497_35879551	NC_021161.1	Ca_kabuli_chr02	35879551	TT	GG	1940158358
SNP_P1_34498_35890289	NC_021161.1	Ca_kabuli_chr02	35890289	GG	TT	1940158359
SNP_P1_34499_35890498	NC_021161.1	Ca_kabuli_chr02	35890498	GG	AA	1940158360
SNP_P1_34500_35891688	NC_021161.1	Ca_kabuli_chr02	35891688	CC	TT	1940158361
SNP_P1_34501_35892513	NC_021161.1	Ca_kabuli_chr02	35892513	AA	CC	1940158363
SNP_P1_34502_35893089	NC_021161.1	Ca_kabuli_chr02	35893089	AA	GG	1940158364
SNP_P1_34503_35893097	NC_021161.1	Ca_kabuli_chr02	35893097	TT	CC	1940158365
SNP_P1_34504_35893100	NC_021161.1	Ca_kabuli_chr02	35893100	TT	CC	1940158366
SNP_P1_34505_35893105	NC_021161.1	Ca_kabuli_chr02	35893105	CC	TT	1940158367
SNP_P1_34506_35893110	NC_021161.1	Ca_kabuli_chr02	35893110	TT	CC	1940158368
SNP_P1_34507_35893159	NC_021161.1	Ca_kabuli_chr02	35893159	TT	CC	1940158369
SNP_P1_34508_35894400	NC_021161.1	Ca_kabuli_chr02	35894400	AA	GG	1940158370
SNP_P1_34509_35894431	NC_021161.1	Ca_kabuli_chr02	35894431	TT	CC	1940158371
SNP_P1_34510_35894905	NC_021161.1	Ca_kabuli_chr02	35894905	CC	TT	1940158372
SNP_P1_34511_35894926	NC_021161.1	Ca_kabuli_chr02	35894926	CC	TT	1940158373
SNP_P1_34512_35894944	NC_021161.1	Ca_kabuli_chr02	35894944	AA	TT	1940158374
SNP_P1_34513_35897953	NC_021161.1	Ca_kabuli_chr02	35897953	TT	CC	1940158375
SNP_P1_34514_35899504	NC_021161.1	Ca_kabuli_chr02	35899504	CC	TT	1940158376
SNP_P1_34516_35899772	NC_021161.1	Ca_kabuli_chr02	35899772	GG	TT	1940158377
SNP_P1_34517_35899773	NC_021161.1	Ca_kabuli_chr02	35899773	AA	TT	1940158378
SNP_P1_34518_35899892	NC_021161.1	Ca_kabuli_chr02	35899892	AA	TT	1940158379

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34521_35900897	NC_021161.1	Ca_kabuli_chr02	35900897	TT	AA	1940158381
SNP_P1_34522_35900943	NC_021161.1	Ca_kabuli_chr02	35900943	CC	AA	1940158382
SNP_P1_34523_35900972	NC_021161.1	Ca_kabuli_chr02	35900972	CC	TT	1940158383
SNP_P1_34524_35901119	NC_021161.1	Ca_kabuli_chr02	35901119	TT	CC	1940158384
SNP_P1_34525_35901124	NC_021161.1	Ca_kabuli_chr02	35901124	TT	AA	1940158385
SNP_P1_34526_35901139	NC_021161.1	Ca_kabuli_chr02	35901139	AA	CC	1940158386
SNP_P1_34527_35901182	NC_021161.1	Ca_kabuli_chr02	35901182	TT	AA	1940158387
SNP_P1_34528_35901298	NC_021161.1	Ca_kabuli_chr02	35901298	TT	AA	1940158388
SNP_P1_34529_35901754	NC_021161.1	Ca_kabuli_chr02	35901754	CC	TT	1940158389
SNP_P1_34530_35902910	NC_021161.1	Ca_kabuli_chr02	35902910	CC	AA	1940158390
SNP_P1_34531_35905590	NC_021161.1	Ca_kabuli_chr02	35905590	AA	GG	1940158391
SNP_P1_34532_35908649	NC_021161.1	Ca_kabuli_chr02	35908649	CC	TT	1940158392
SNP_P1_34533_35909132	NC_021161.1	Ca_kabuli_chr02	35909132	AA	CC	1940158393
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SNP_P1_34535_35910081	NC_021161.1	Ca_kabuli_chr02	35910081	TT	AA	1940158395
SNP_P1_34536_35910083	NC_021161.1	Ca_kabuli_chr02	35910083	TT	CC	1940158396
SNP_P1_34537_35911052	NC_021161.1	Ca_kabuli_chr02	35911052	GG	AA	1940158397
SNP_P1_34538_35911066	NC_021161.1	Ca_kabuli_chr02	35911066	AA	GG	1940158398
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SNP_P1_34540_35911444	NC_021161.1	Ca_kabuli_chr02	35911444	AA	GG	1940158400
SNP_P1_34541_35912159	NC_021161.1	Ca_kabuli_chr02	35912159	CC	TT	1940158402
SNP_P1_34542_35912755	NC_021161.1	Ca_kabuli_chr02	35912755	CC	TT	1940158403
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SNP_P1_34546_35912833	NC_021161.1	Ca_kabuli_chr02	35912833	CC	TT	1940158407
SNP_P1_34548_35917510	NC_021161.1	Ca_kabuli_chr02	35917510	AA	GG	1940158408
SNP_P1_34549_35917717	NC_021161.1	Ca_kabuli_chr02	35917717	GG	AA	1940158409
SNP_P1_34550_35918749	NC_021161.1	Ca_kabuli_chr02	35918749	GG	AA	1940158410
SNP_P1_34551_35918753	NC_021161.1	Ca_kabuli_chr02	35918753	TT	CC	1940158411
SNP_P1_34552_35918778	NC_021161.1	Ca_kabuli_chr02	35918778	GG	AA	1940158412
SNP_P1_34553_35918820	NC_021161.1	Ca_kabuli_chr02	35918820	CC	TT	1940158413
SNP_P1_34554_35918828	NC_021161.1	Ca_kabuli_chr02	35918828	AA	GG	1940158414
SNP_P1_34555_35919032	NC_021161.1	Ca_kabuli_chr02	35919032	AA	GG	1940158415
SNP_P1_34556_35919036	NC_021161.1	Ca_kabuli_chr02	35919036	AA	TT	1940158416
SNP_P1_34557_35919084	NC_021161.1	Ca_kabuli_chr02	35919084	TT	CC	1940158417
SNP_P1_34558_35919102	NC_021161.1	Ca_kabuli_chr02	35919102	TT	GG	1940158418
SNP_P1_34559_35919107	NC_021161.1	Ca_kabuli_chr02	35919107	AA	GG	1940158419
SNP_P1_34560_35921164	NC_021161.1	Ca_kabuli_chr02	35921164	CC	TT	1940158420
SNP_P1_34561_35922280	NC_021161.1	Ca_kabuli_chr02	35922280	CC	TT	1940158421
SNP_P1_34562_35922598	NC_021161.1	Ca_kabuli_chr02	35922598	TT	CC	1940158422

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34564_35923151	NC_021161.1	Ca_kabuli_chr02	35923151	TT	CC	1940158424
SNP_P1_34565_35923166	NC_021161.1	Ca_kabuli_chr02	35923166	AA	TT	1940158425
SNP_P1_34566_35923438	NC_021161.1	Ca_kabuli_chr02	35923438	GG	AA	1940158426
SNP_P1_34567_35923493	NC_021161.1	Ca_kabuli_chr02	35923493	TT	CC	1940158427
SNP_P1_34568_35923495	NC_021161.1	Ca_kabuli_chr02	35923495	AA	GG	1940158428
SNP_P1_34569_35923753	NC_021161.1	Ca_kabuli_chr02	35923753	TT	CC	1940158429
SNP_P1_34570_35923780	NC_021161.1	Ca_kabuli_chr02	35923780	GG	AA	1940158430
SNP_P1_34571_35923889	NC_021161.1	Ca_kabuli_chr02	35923889	GG	CC	1940158431
SNP_P1_34572_35924165	NC_021161.1	Ca_kabuli_chr02	35924165	TT	CC	1940158432
SNP_P1_34573_35924206	NC_021161.1	Ca_kabuli_chr02	35924206	CC	TT	1940158433
SNP_P1_34574_35924367	NC_021161.1	Ca_kabuli_chr02	35924367	CC	TT	1940158434
SNP_P1_34575_35924387	NC_021161.1	Ca_kabuli_chr02	35924387	CC	TT	1940158435
SNP_P1_34576_35924402	NC_021161.1	Ca_kabuli_chr02	35924402	GG	AA	1940158436
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SNP_P1_34578_35924784	NC_021161.1	Ca_kabuli_chr02	35924784	TT	GG	1940158438
SNP_P1_34580_35924867	NC_021161.1	Ca_kabuli_chr02	35924867	GG	CC	1940158439
SNP_P1_34581_35924909	NC_021161.1	Ca_kabuli_chr02	35924909	AA	GG	1940158440
SNP_P1_34583_35925451	NC_021161.1	Ca_kabuli_chr02	35925451	AA	GG	1940158441
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SNP_P1_34585_35925531	NC_021161.1	Ca_kabuli_chr02	35925531	TT	GG	1940158443
SNP_P1_34587_35925605	NC_021161.1	Ca_kabuli_chr02	35925605	GG	AA	1940158444
SNP_P1_34588_35925612	NC_021161.1	Ca_kabuli_chr02	35925612	GG	AA	1940158445
SNP_P1_34590_35925652	NC_021161.1	Ca_kabuli_chr02	35925652	CC	AA	1940158447
SNP_P1_34591_35925696	NC_021161.1	Ca_kabuli_chr02	35925696	GG	TT	1940158448
SNP_P1_34592_35925701	NC_021161.1	Ca_kabuli_chr02	35925701	AA	GG	1940158449
SNP_P1_34593_35925757	NC_021161.1	Ca_kabuli_chr02	35925757	CC	AA	1940158450
SNP_P1_34594_35925762	NC_021161.1	Ca_kabuli_chr02	35925762	GG	AA	1940158451
SNP_P1_34596_35926732	NC_021161.1	Ca_kabuli_chr02	35926732	AA	TT	1940158452
SNP_P1_34597_35926745	NC_021161.1	Ca_kabuli_chr02	35926745	AA	GG	1940158453
SNP_P1_34598_35926808	NC_021161.1	Ca_kabuli_chr02	35926808	CC	TT	1940158454
SNP_P1_34599_35926809	NC_021161.1	Ca_kabuli_chr02	35926809	TT	GG	1940158455
SNP_P1_34600_35926811	NC_021161.1	Ca_kabuli_chr02	35926811	TT	CC	1940158456
SNP_P1_34601_35926996	NC_021161.1	Ca_kabuli_chr02	35926996	CC	TT	1940158457
SNP_P1_34602_35927041	NC_021161.1	Ca_kabuli_chr02	35927041	TT	CC	1940158458
SNP_P1_34603_35928356	NC_021161.1	Ca_kabuli_chr02	35928356	CC	TT	1940158459
SNP_P1_34604_35928366	NC_021161.1	Ca_kabuli_chr02	35928366	TT	CC	1940158460
SNP_P1_34605_35929749	NC_021161.1	Ca_kabuli_chr02	35929749	CC	TT	1940158461
SNP_P1_34606_35930142	NC_021161.1	Ca_kabuli_chr02	35930142	AA	GG	1940158462
SNP_P1_34607_35930166	NC_021161.1	Ca_kabuli_chr02	35930166	CC	TT	1940158463
SNP_P1_34608_35930215	NC_021161.1	Ca_kabuli_chr02	35930215	CC	AA	1940158464
SNP_P1_34609_35931510	NC_021161.1	Ca_kabuli_chr02	35931510	TT	AA	1940158465

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34611_35931514	NC_021161.1	Ca_kabuli_chr02	35931514	GG	CC	1940158467
SNP_P1_34612_35931523	NC_021161.1	Ca_kabuli_chr02	35931523	TT	AA	1940158468
SNP_P1_34613_35931562	NC_021161.1	Ca_kabuli_chr02	35931562	GG	AA	1940158469
SNP_P1_34614_35931572	NC_021161.1	Ca_kabuli_chr02	35931572	AA	CC	1940158470
SNP_P1_34615_35934321	NC_021161.1	Ca_kabuli_chr02	35934321	CC	AA	1940158471
SNP_P1_34616_35934996	NC_021161.1	Ca_kabuli_chr02	35934996	CC	AA	1940158472
SNP_P1_34617_35935549	NC_021161.1	Ca_kabuli_chr02	35935549	CC	TT	1940158473
SNP_P1_34618_35936684	NC_021161.1	Ca_kabuli_chr02	35936684	TT	CC	1940158474
SNP_P1_34619_35937138	NC_021161.1	Ca_kabuli_chr02	35937138	AA	GG	1940158476
SNP_P1_34620_35937157	NC_021161.1	Ca_kabuli_chr02	35937157	TT	CC	1940158477
SNP_P1_34621_35939160	NC_021161.1	Ca_kabuli_chr02	35939160	CC	TT	1940158478
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SNP_P1_34623_35939422	NC_021161.1	Ca_kabuli_chr02	35939422	CC	GG	1940158480
SNP_P1_34625_35939886	NC_021161.1	Ca_kabuli_chr02	35939886	TT	AA	1940158481
SNP_P1_34626_35939891	NC_021161.1	Ca_kabuli_chr02	35939891	CC	TT	1940158482
SNP_P1_34627_35939905	NC_021161.1	Ca_kabuli_chr02	35939905	AA	TT	1940158483
SNP_P1_34629_35939949	NC_021161.1	Ca_kabuli_chr02	35939949	AA	TT	1940158484
SNP_P1_34630_35940046	NC_021161.1	Ca_kabuli_chr02	35940046	CC	AA	1940158485
SNP_P1_34631_35940577	NC_021161.1	Ca_kabuli_chr02	35940577	TT	CC	1940158486
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SNP_P1_34633_35941789	NC_021161.1	Ca_kabuli_chr02	35941789	AA	TT	1940158488
SNP_P1_34634_35941798	NC_021161.1	Ca_kabuli_chr02	35941798	AA	CC	1940158489
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SNP_P1_34637_35942072	NC_021161.1	Ca_kabuli_chr02	35942072	TT	CC	1940158492
SNP_P1_34638_35942445	NC_021161.1	Ca_kabuli_chr02	35942445	CC	TT	1940158493
SNP_P1_34639_35942475	NC_021161.1	Ca_kabuli_chr02	35942475	GG	TT	1940158494
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SNP_P1_34642_35942706	NC_021161.1	Ca_kabuli_chr02	35942706	CC	TT	1940158496
SNP_P1_34644_35942757	NC_021161.1	Ca_kabuli_chr02	35942757	AA	GG	1940158497
SNP_P1_34645_35943521	NC_021161.1	Ca_kabuli_chr02	35943521	TT	AA	1940158498
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SNP_P1_34647_35943604	NC_021161.1	Ca_kabuli_chr02	35943604	TT	AA	1940158500
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SNP_P1_34649_35943615	NC_021161.1	Ca_kabuli_chr02	35943615	AA	GG	1940158502
SNP_P1_34650_35943770	NC_021161.1	Ca_kabuli_chr02	35943770	AA	CC	1940158503
SNP_P1_34651_35944781	NC_021161.1	Ca_kabuli_chr02	35944781	CC	TT	1940158504
SNP_P1_34652_35944798	NC_021161.1	Ca_kabuli_chr02	35944798	CC	TT	1940158505
SNP_P1_34653_35944799	NC_021161.1	Ca_kabuli_chr02	35944799	GG	AA	1940158506
SNP_P1_34654_35944816	NC_021161.1	Ca_kabuli_chr02	35944816	AA	CC	1940158507
SNP_P1_34655_35944831	NC_021161.1	Ca_kabuli_chr02	35944831	CC	TT	1940158508

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34659_35944958	NC_021161.1	Ca_kabuli_chr02	35944958	TT	CC	1940158513
SNP_P1_34661_35945012	NC_021161.1	Ca_kabuli_chr02	35945012	AA	GG	1940158514
SNP_P1_34662_35945028	NC_021161.1	Ca_kabuli_chr02	35945028	TT	AA	1940158515
SNP_P1_34663_35945051	NC_021161.1	Ca_kabuli_chr02	35945051	CC	AA	1940158516
SNP_P1_34664_35945091	NC_021161.1	Ca_kabuli_chr02	35945091	CC	AA	1940158517
SNP_P1_34665_35945161	NC_021161.1	Ca_kabuli_chr02	35945161	AA	TT	1940158518
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SNP_P1_34667_35945220	NC_021161.1	Ca_kabuli_chr02	35945220	AA	CC	1940158520
SNP_P1_34668_35945284	NC_021161.1	Ca_kabuli_chr02	35945284	AA	GG	1940158521
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SNP_P1_34670_35945293	NC_021161.1	Ca_kabuli_chr02	35945293	AA	GG	1940158523
SNP_P1_34672_35945764	NC_021161.1	Ca_kabuli_chr02	35945764	TT	CC	1940158524
SNP_P1_34674_35953605	NC_021161.1	Ca_kabuli_chr02	35953605	AA	CC	1940158525
SNP_P1_34675_35953978	NC_021161.1	Ca_kabuli_chr02	35953978	GG	AA	1940158526
SNP_P1_34676_35954227	NC_021161.1	Ca_kabuli_chr02	35954227	CC	GG	1940158527
SNP_P1_34678_35955695	NC_021161.1	Ca_kabuli_chr02	35955695	GG	AA	1940158528
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SNP_P1_34680_35955741	NC_021161.1	Ca_kabuli_chr02	35955741	TT	AA	1940158530
SNP_P1_34681_35955791	NC_021161.1	Ca_kabuli_chr02	35955791	GG	AA	1940158531
SNP_P1_34682_35956164	NC_021161.1	Ca_kabuli_chr02	35956164	CC	TT	1940158532
SNP_P1_34683_35956208	NC_021161.1	Ca_kabuli_chr02	35956208	CC	TT	1940158533
SNP_P1_34684_35956365	NC_021161.1	Ca_kabuli_chr02	35956365	CC	AA	1940158534
SNP_P1_34685_35956417	NC_021161.1	Ca_kabuli_chr02	35956417	CC	TT	1940158535
SNP_P1_34686_35956467	NC_021161.1	Ca_kabuli_chr02	35956467	GG	AA	1940158537
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SNP_P1_34688_35956687	NC_021161.1	Ca_kabuli_chr02	35956687	TT	CC	1940158539
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SNP_P1_34690_35956727	NC_021161.1	Ca_kabuli_chr02	35956727	CC	TT	1940158541
SNP_P1_34691_35956741	NC_021161.1	Ca_kabuli_chr02	35956741	GG	AA	1940158542
SNP_P1_34692_35957404	NC_021161.1	Ca_kabuli_chr02	35957404	CC	TT	1940158543
SNP_P1_34693_35957457	NC_021161.1	Ca_kabuli_chr02	35957457	GG	TT	1940158544
SNP_P1_34694_35957672	NC_021161.1	Ca_kabuli_chr02	35957672	TT	GG	1940158545
SNP_P1_34696_35958587	NC_021161.1	Ca_kabuli_chr02	35958587	CC	GG	1940158546
SNP_P1_34697_35958825	NC_021161.1	Ca_kabuli_chr02	35958825	CC	AA	1940158547
SNP_P1_34698_35958967	NC_021161.1	Ca_kabuli_chr02	35958967	CC	TT	1940158548
SNP_P1_34699_35959040	NC_021161.1	Ca_kabuli_chr02	35959040	TT	CC	1940158549
SNP_P1_34700_35959227	NC_021161.1	Ca_kabuli_chr02	35959227	AA	GG	1940158550
SNP_P1_34701_35959247	NC_021161.1	Ca_kabuli_chr02	35959247	AA	TT	1940158551
SNP_P1_34703_35960369	NC_021161.1	Ca_kabuli_chr02	35960369	TT	GG	1940158552

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34705_35960431	NC_021161.1	Ca_kabuli_chr02	35960431	AA	CC	1940158554
SNP_P1_34706_35960436	NC_021161.1	Ca_kabuli_chr02	35960436	CC	AA	1940158555
SNP_P1_34707_35960451	NC_021161.1	Ca_kabuli_chr02	35960451	CC	TT	1940158556
SNP_P1_34708_35960457	NC_021161.1	Ca_kabuli_chr02	35960457	CC	TT	1940158557
SNP_P1_34709_35960481	NC_021161.1	Ca_kabuli_chr02	35960481	CC	TT	1940158558
SNP_P1_34710_35960491	NC_021161.1	Ca_kabuli_chr02	35960491	CC	GG	1940158559
SNP_P1_34712_35960533	NC_021161.1	Ca_kabuli_chr02	35960533	TT	CC	1940158560
SNP_P1_34713_35960575	NC_021161.1	Ca_kabuli_chr02	35960575	TT	AA	1940158561
SNP_P1_34714_35960594	NC_021161.1	Ca_kabuli_chr02	35960594	CC	TT	1940158562
SNP_P1_34715_35960649	NC_021161.1	Ca_kabuli_chr02	35960649	CC	AA	1940158563
SNP_P1_34716_35960675	NC_021161.1	Ca_kabuli_chr02	35960675	GG	AA	1940158564
SNP_P1_34718_35960953	NC_021161.1	Ca_kabuli_chr02	35960953	TT	CC	1940158565
SNP_P1_34719_35961900	NC_021161.1	Ca_kabuli_chr02	35961900	CC	TT	1940158566
SNP_P1_34721_35961978	NC_021161.1	Ca_kabuli_chr02	35961978	GG	AA	1940158567
SNP_P1_34722_35961996	NC_021161.1	Ca_kabuli_chr02	35961996	TT	GG	1940158568
SNP_P1_34723_35962052	NC_021161.1	Ca_kabuli_chr02	35962052	GG	AA	1940158569
SNP_P1_34725_35962207	NC_021161.1	Ca_kabuli_chr02	35962207	TT	CC	1940158570
SNP_P1_34726_35962230	NC_021161.1	Ca_kabuli_chr02	35962230	AA	GG	1940158571
SNP_P1_34727_35962426	NC_021161.1	Ca_kabuli_chr02	35962426	TT	CC	1940158573
SNP_P1_34728_35962438	NC_021161.1	Ca_kabuli_chr02	35962438	AA	GG	1940158574
SNP_P1_34729_35962462	NC_021161.1	Ca_kabuli_chr02	35962462	TT	CC	1940158575
SNP_P1_34730_35962464	NC_021161.1	Ca_kabuli_chr02	35962464	CC	AA	1940158576
SNP_P1_34731_35962947	NC_021161.1	Ca_kabuli_chr02	35962947	CC	TT	1940158577
SNP_P1_34732_35963279	NC_021161.1	Ca_kabuli_chr02	35963279	CC	AA	1940158578
SNP_P1_34733_35963474	NC_021161.1	Ca_kabuli_chr02	35963474	AA	GG	1940158579
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SNP_P1_34735_35963543	NC_021161.1	Ca_kabuli_chr02	35963543	CC	TT	1940158581
SNP_P1_34736_35963625	NC_021161.1	Ca_kabuli_chr02	35963625	GG	AA	1940158582
SNP_P1_34737_35963644	NC_021161.1	Ca_kabuli_chr02	35963644	GG	AA	1940158583
SNP_P1_34738_35963647	NC_021161.1	Ca_kabuli_chr02	35963647	CC	GG	1940158584
SNP_P1_34739_35963652	NC_021161.1	Ca_kabuli_chr02	35963652	GG	AA	1940158585
SNP_P1_34740_35963663	NC_021161.1	Ca_kabuli_chr02	35963663	CC	TT	1940158586
SNP_P1_34741_35963695	NC_021161.1	Ca_kabuli_chr02	35963695	GG	AA	1940158587
SNP_P1_34742_35963756	NC_021161.1	Ca_kabuli_chr02	35963756	AA	TT	1940158588
SNP_P1_34743_35964454	NC_021161.1	Ca_kabuli_chr02	35964454	GG	AA	1940158589
SNP_P1_34744_35965164	NC_021161.1	Ca_kabuli_chr02	35965164	TT	CC	1940158590
SNP_P1_34745_35965332	NC_021161.1	Ca_kabuli_chr02	35965332	TT	CC	1940158591
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SNP_P1_34749_35966125	NC_021161.1	Ca_kabuli_chr02	35966125	TT	AA	1940158594
SNP_P1_34750_35966525	NC_021161.1	Ca_kabuli_chr02	35966525	CC	AA	1940158595

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34752_35966825	NC_021161.1	Ca_kabuli_chr02	35966825	AA	CC	1940158597
SNP_P1_34753_35967091	NC_021161.1	Ca_kabuli_chr02	35967091	AA	GG	1940158598
SNP_P1_34754_35967101	NC_021161.1	Ca_kabuli_chr02	35967101	AA	GG	1940158599
SNP_P1_34755_35967185	NC_021161.1	Ca_kabuli_chr02	35967185	CC	GG	1940158600
SNP_P1_34756_35967430	NC_021161.1	Ca_kabuli_chr02	35967430	GG	AA	1940158601
SNP_P1_34758_35967461	NC_021161.1	Ca_kabuli_chr02	35967461	AA	GG	1940158602
SNP_P1_34759_35967745	NC_021161.1	Ca_kabuli_chr02	35967745	GG	AA	1940158603
SNP_P1_34760_35967917	NC_021161.1	Ca_kabuli_chr02	35967917	GG	AA	1940158604
SNP_P1_34761_35969726	NC_021161.1	Ca_kabuli_chr02	35969726	CC	GG	1940158605
SNP_P1_34762_35969782	NC_021161.1	Ca_kabuli_chr02	35969782	AA	TT	1940158606
SNP_P1_34763_35970031	NC_021161.1	Ca_kabuli_chr02	35970031	TT	AA	1940158607
SNP_P1_34764_35970428	NC_021161.1	Ca_kabuli_chr02	35970428	TT	CC	1940158608
SNP_P1_34765_35970604	NC_021161.1	Ca_kabuli_chr02	35970604	GG	TT	1940158609
SNP_P1_34767_35970940	NC_021161.1	Ca_kabuli_chr02	35970940	TT	GG	1940158610
SNP_P1_34768_35971605	NC_021161.1	Ca_kabuli_chr02	35971605	GG	AA	1940158611
SNP_P1_34769_35971931	NC_021161.1	Ca_kabuli_chr02	35971931	CC	GG	1940158612
SNP_P1_34770_35971937	NC_021161.1	Ca_kabuli_chr02	35971937	AA	TT	1940158613
SNP_P1_34771_35972039	NC_021161.1	Ca_kabuli_chr02	35972039	CC	TT	1940158615
SNP_P1_34772_35972389	NC_021161.1	Ca_kabuli_chr02	35972389	GG	CC	1940158616
SNP_P1_34773_35972443	NC_021161.1	Ca_kabuli_chr02	35972443	AA	GG	1940158617
SNP_P1_34775_35973580	NC_021161.1	Ca_kabuli_chr02	35973580	GG	AA	1940158618
SNP_P1_34776_35973745	NC_021161.1	Ca_kabuli_chr02	35973745	GG	CC	1940158619
SNP_P1_34777_35973986	NC_021161.1	Ca_kabuli_chr02	35973986	TT	AA	1940158620
SNP_P1_34778_35974727	NC_021161.1	Ca_kabuli_chr02	35974727	AA	GG	1940158621
SNP_P1_34779_35974769	NC_021161.1	Ca_kabuli_chr02	35974769	GG	AA	1940158622
SNP_P1_34780_35975062	NC_021161.1	Ca_kabuli_chr02	35975062	AA	GG	1940158623
SNP_P1_34781_35975181	NC_021161.1	Ca_kabuli_chr02	35975181	CC	GG	1940158624
SNP_P1_34782_35975426	NC_021161.1	Ca_kabuli_chr02	35975426	AA	CC	1940158625
SNP_P1_34783_35975444	NC_021161.1	Ca_kabuli_chr02	35975444	CC	TT	1940158626
SNP_P1_34784_35975458	NC_021161.1	Ca_kabuli_chr02	35975458	GG	AA	1940158627
SNP_P1_34785_35975499	NC_021161.1	Ca_kabuli_chr02	35975499	GG	CC	1940158628
SNP_P1_34786_35975663	NC_021161.1	Ca_kabuli_chr02	35975663	TT	CC	1940158629
SNP_P1_34788_35982913	NC_021161.1	Ca_kabuli_chr02	35982913	AA	CC	1940158630
SNP_P1_34789_35982915	NC_021161.1	Ca_kabuli_chr02	35982915	CC	AA	1940158631
SNP_P1_34790_35983180	NC_021161.1	Ca_kabuli_chr02	35983180	TT	GG	1940158632
SNP_P1_34791_35983347	NC_021161.1	Ca_kabuli_chr02	35983347	AA	GG	1940158633
SNP_P1_34792_35983700	NC_021161.1	Ca_kabuli_chr02	35983700	TT	AA	1940158634
SNP_P1_34793_35983817	NC_021161.1	Ca_kabuli_chr02	35983817	AA	GG	1940158635
SNP_P1_34794_35983903	NC_021161.1	Ca_kabuli_chr02	35983903	TT	CC	1940158636
SNP_P1_34795_35983927	NC_021161.1	Ca_kabuli_chr02	35983927	AA	CC	1940158637
SNP_P1_34796_35984015	NC_021161.1	Ca_kabuli_chr02	35984015	AA	GG	1940158638

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34798_35985753	NC_021161.1	Ca_kabuli_chr02	35985753	CC	TT	1940158640
SNP_P1_34799_35985754	NC_021161.1	Ca_kabuli_chr02	35985754	GG	TT	1940158641
SNP_P1_34800_35985998	NC_021161.1	Ca_kabuli_chr02	35985998	AA	TT	1940158642
SNP_P1_34801_35986007	NC_021161.1	Ca_kabuli_chr02	35986007	AA	GG	1940158643
SNP_P1_34802_35986020	NC_021161.1	Ca_kabuli_chr02	35986020	TT	GG	1940158644
SNP_P1_34803_35986739	NC_021161.1	Ca_kabuli_chr02	35986739	AA	GG	1940158645
SNP_P1_34804_35987048	NC_021161.1	Ca_kabuli_chr02	35987048	AA	GG	1940158647
SNP_P1_34805_35987071	NC_021161.1	Ca_kabuli_chr02	35987071	GG	AA	1940158648
SNP_P1_34806_35987339	NC_021161.1	Ca_kabuli_chr02	35987339	AA	CC	1940158649
SNP_P1_34807_35987420	NC_021161.1	Ca_kabuli_chr02	35987420	AA	GG	1940158650
SNP_P1_34809_35989147	NC_021161.1	Ca_kabuli_chr02	35989147	CC	TT	1940158651
SNP_P1_34810_35992815	NC_021161.1	Ca_kabuli_chr02	35992815	CC	GG	1940158652
SNP_P1_34813_35996441	NC_021161.1	Ca_kabuli_chr02	35996441	AA	TT	1940158653
SNP_P1_34814_35996442	NC_021161.1	Ca_kabuli_chr02	35996442	AA	TT	1940158654
SNP_P1_34815_35996462	NC_021161.1	Ca_kabuli_chr02	35996462	GG	AA	1940158655
SNP_P1_34816_35996492	NC_021161.1	Ca_kabuli_chr02	35996492	TT	CC	1940158656
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SNP_P1_34818_35996703	NC_021161.1	Ca_kabuli_chr02	35996703	GG	AA	1940158658
SNP_P1_34819_35996707	NC_021161.1	Ca_kabuli_chr02	35996707	AA	GG	1940158659
SNP_P1_34820_35996722	NC_021161.1	Ca_kabuli_chr02	35996722	TT	CC	1940158660
SNP_P1_34821_35996778	NC_021161.1	Ca_kabuli_chr02	35996778	AA	CC	1940158661
SNP_P1_34822_35997380	NC_021161.1	Ca_kabuli_chr02	35997380	CC	TT	1940158662
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SNP_P1_34824_35999139	NC_021161.1	Ca_kabuli_chr02	35999139	GG	AA	1940158664
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SNP_P1_34826_35999511	NC_021161.1	Ca_kabuli_chr02	35999511	GG	AA	1940158666
SNP_P1_34827_35999560	NC_021161.1	Ca_kabuli_chr02	35999560	TT	AA	1940158667
SNP_P1_34828_35999571	NC_021161.1	Ca_kabuli_chr02	35999571	AA	GG	1940158668
SNP_P1_34829_35999572	NC_021161.1	Ca_kabuli_chr02	35999572	AA	TT	1940158669
SNP_P1_34830_36000516	NC_021161.1	Ca_kabuli_chr02	36000516	GG	AA	1940158670
SNP_P1_34831_36000867	NC_021161.1	Ca_kabuli_chr02	36000867	TT	CC	1940158671
SNP_P1_34833_36001489	NC_021161.1	Ca_kabuli_chr02	36001489	AA	GG	1940158672
SNP_P1_34835_36001623	NC_021161.1	Ca_kabuli_chr02	36001623	CC	GG	1940158673
SNP_P1_34836_36001687	NC_021161.1	Ca_kabuli_chr02	36001687	CC	GG	1940158674
SNP_P1_34837_36004126	NC_021161.1	Ca_kabuli_chr02	36004126	GG	AA	1940158675
SNP_P1_34838_36004337	NC_021161.1	Ca_kabuli_chr02	36004337	GG	AA	1940158676
SNP_P1_34839_36004393	NC_021161.1	Ca_kabuli_chr02	36004393	TT	CC	1940158677
SNP_P1_34841_36004797	NC_021161.1	Ca_kabuli_chr02	36004797	TT	CC	1940158679
SNP_P1_34843_36005184	NC_021161.1	Ca_kabuli_chr02	36005184	AA	TT	1940158680
SNP_P1_34845_36005404	NC_021161.1	Ca_kabuli_chr02	36005404	TT	CC	1940158681
SNP_P1_34847_36005612	NC_021161.1	Ca_kabuli_chr02	36005612	TT	CC	1940158682

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34852_36123691	NC_021161.1	Ca_kabuli_chr02	36123691	TT	CC	1940158685
SNP_P1_34853_36137497	NC_021161.1	Ca_kabuli_chr02	36137497	AA	CC	1940158686
SNP_P1_34855_36146719	NC_021161.1	Ca_kabuli_chr02	36146719	TT	CC	1940158687
SNP_P1_34858_36147028	NC_021161.1	Ca_kabuli_chr02	36147028	TT	GG	1940158688
SNP_P1_34859_36147516	NC_021161.1	Ca_kabuli_chr02	36147516	AA	CC	1940158689
SNP_P1_34861_36148603	NC_021161.1	Ca_kabuli_chr02	36148603	TT	GG	1940158690
SNP_P1_34862_36148847	NC_021161.1	Ca_kabuli_chr02	36148847	CC	TT	1940158691
SNP_P1_34863_36149024	NC_021161.1	Ca_kabuli_chr02	36149024	GG	AA	1940158692
SNP_P1_34864_36150447	NC_021161.1	Ca_kabuli_chr02	36150447	TT	AA	1940158693
SNP_P1_34865_36162994	NC_021161.1	Ca_kabuli_chr02	36162994	CC	TT	1940158694
SNP_P1_34866_36162998	NC_021161.1	Ca_kabuli_chr02	36162998	AA	CC	1940158695
SNP_P1_34867_36163867	NC_021161.1	Ca_kabuli_chr02	36163867	TT	CC	1940158696
SNP_P1_34868_36164024	NC_021161.1	Ca_kabuli_chr02	36164024	GG	CC	1940158697
SNP_P1_34869_36174744	NC_021161.1	Ca_kabuli_chr02	36174744	GG	AA	1940158698
SNP_P1_34871_36179247	NC_021161.1	Ca_kabuli_chr02	36179247	TT	CC	1940158699
SNP_P1_34872_36180764	NC_021161.1	Ca_kabuli_chr02	36180764	AA	GG	1940158700
SNP_P1_34873_36187234	NC_021161.1	Ca_kabuli_chr02	36187234	TT	AA	1940158701
SNP_P1_34874_36188501	NC_021161.1	Ca_kabuli_chr02	36188501	CC	TT	1940158702
SNP_P1_34875_36188613	NC_021161.1	Ca_kabuli_chr02	36188613	CC	TT	1940158703
SNP_P1_34876_36194474	NC_021161.1	Ca_kabuli_chr02	36194474	AA	GG	1940158704
SNP_P1_34877_36200482	NC_021161.1	Ca_kabuli_chr02	36200482	TT	AA	1940158705
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SNP_P1_34883_36280731	NC_021161.1	Ca_kabuli_chr02	36280731	AA	GG	1940158709
SNP_P1_34884_36282593	NC_021161.1	Ca_kabuli_chr02	36282593	AA	GG	1940158710
SNP_P1_34885_36286315	NC_021161.1	Ca_kabuli_chr02	36286315	AA	GG	1940158711
SNP_P1_34886_36288129	NC_021161.1	Ca_kabuli_chr02	36288129	CC	TT	1940158712
SNP_P1_34889_36321367	NC_021161.1	Ca_kabuli_chr02	36321367	AA	CC	1940158713
SNP_P1_34890_36321382	NC_021161.1	Ca_kabuli_chr02	36321382	AA	TT	1940158714
SNP_P1_34892_36381888	NC_021161.1	Ca_kabuli_chr02	36381888	CC	TT	1940158715
SNP_P1_34893_36383010	NC_021161.1	Ca_kabuli_chr02	36383010	AA	TT	1940158717
SNP_P1_34894_36389474	NC_021161.1	Ca_kabuli_chr02	36389474	TT	CC	1940158718
SNP_P1_34896_36400881	NC_021161.1	Ca_kabuli_chr02	36400881	TT	CC	1940158719
SNP_P1_34897_36449250	NC_021161.1	Ca_kabuli_chr02	36449250	AA	GG	1940158720
SNP_P1_34898_36501698	NC_021161.1	Ca_kabuli_chr02	36501698	CC	TT	1940158721
SNP_P1_34899_36503836	NC_021161.1	Ca_kabuli_chr02	36503836	CC	AA	1940158722
SNP_P1_34900_36549277	NC_021161.1	Ca_kabuli_chr02	36549277	GG	TT	1940158723
SNP_P1_34901_36552028	NC_021161.1	Ca_kabuli_chr02	36552028	TT	CC	1940158724
SNP_P1_34902_36555130	NC_021161.1	Ca_kabuli_chr02	36555130	GG	AA	1940158725

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34904_36580633	NC_021161.1	Ca_kabuli_chr02	36580633	AA	TT	1940158727
SNP_P1_34905_36580635	NC_021161.1	Ca_kabuli_chr02	36580635	TT	AA	1940158728
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SNP_P1_34907_36596684	NC_021161.1	Ca_kabuli_chr02	36596684	AA	TT	1940158730
SNP_P1_34908_36602260	NC_021161.1	Ca_kabuli_chr02	36602260	AA	TT	1940158731
SNP_P1_34909_36602279	NC_021161.1	Ca_kabuli_chr02	36602279	TT	CC	1940158732
SNP_P1_34910_36621230	NC_021161.1	Ca_kabuli_chr02	36621230	GG	AA	1940158733
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SNP_P1_34913_36624276	NC_021161.1	Ca_kabuli_chr02	36624276	AA	GG	1940158737
SNP_P1_34914_36624397	NC_021161.1	Ca_kabuli_chr02	36624397	AA	GG	1940158738
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SNP_P1_34917_36624552	NC_021161.1	Ca_kabuli_chr02	36624552	TT	CC	1940158741
SNP_P1_34918_36626378	NC_021161.1	Ca_kabuli_chr02	36626378	AA	GG	1940158742
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SNP_P1_34920_36627460	NC_021161.1	Ca_kabuli_chr02	36627460	CC	GG	1940158744
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SNP_P1_34923_36632954	NC_021161.1	Ca_kabuli_chr02	36632954	CC	GG	1940158746
SNP_P1_34924_36632976	NC_021161.1	Ca_kabuli_chr02	36632976	GG	AA	1940158747
SNP_P1_34925_36633007	NC_021161.1	Ca_kabuli_chr02	36633007	AA	CC	1940158749
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SNP_P1_34931_40641	NC_021162.1	Ca_kabuli_chr03	40641	GG	AA	1940158755
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SNP_P1_34939_87939	NC_021162.1	Ca_kabuli_chr03	87939	AA	GG	1940158761
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SNP_P1_34941_109292	NC_021162.1	Ca_kabuli_chr03	109292	TT	GG	1940158763
SNP_P1_34942_113550	NC_021162.1	Ca_kabuli_chr03	113550	TT	AA	1940158764
SNP_P1_34943_123913	NC_021162.1	Ca_kabuli_chr03	123913	TT	CC	1940158765
SNP_P1_34944_124514	NC_021162.1	Ca_kabuli_chr03	124514	GG	TT	1940158766
SNP_P1_34945_132038	NC_021162.1	Ca_kabuli_chr03	132038	TT	CC	1940158767
SNP_P1_34946_132702	NC_021162.1	Ca_kabuli_chr03	132702	TT	CC	1940158768
SNP_P1_34948_150119	NC_021162.1	Ca_kabuli_chr03	150119	GG	CC	1940158769

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34951_160511	NC_021162.1	Ca_kabuli_chr03	160511	AA	GG	1940158772
SNP_P1_34952_160520	NC_021162.1	Ca_kabuli_chr03	160520	AA	CC	1940158773
SNP_P1_34953_160522	NC_021162.1	Ca_kabuli_chr03	160522	AA	TT	1940158774
SNP_P1_34954_160523	NC_021162.1	Ca_kabuli_chr03	160523	GG	AA	1940158775
SNP_P1_34955_160537	NC_021162.1	Ca_kabuli_chr03	160537	TT	AA	1940158776
SNP_P1_34956_160944	NC_021162.1	Ca_kabuli_chr03	160944	AA	GG	1940158778
SNP_P1_34957_173818	NC_021162.1	Ca_kabuli_chr03	173818	TT	AA	1940158779
SNP_P1_34958_177763	NC_021162.1	Ca_kabuli_chr03	177763	CC	TT	1940158780
SNP_P1_34959_178971	NC_021162.1	Ca_kabuli_chr03	178971	TT	GG	1940158781
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SNP_P1_34961_183985	NC_021162.1	Ca_kabuli_chr03	183985	TT	CC	1940158783
SNP_P1_34962_189556	NC_021162.1	Ca_kabuli_chr03	189556	AA	GG	1940158784
SNP_P1_34963_189842	NC_021162.1	Ca_kabuli_chr03	189842	AA	CC	1940158785
SNP_P1_34964_189869	NC_021162.1	Ca_kabuli_chr03	189869	CC	TT	1940158786
SNP_P1_34965_189870	NC_021162.1	Ca_kabuli_chr03	189870	TT	CC	1940158787
SNP_P1_34966_189902	NC_021162.1	Ca_kabuli_chr03	189902	CC	AA	1940158788
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SNP_P1_34968_189928	NC_021162.1	Ca_kabuli_chr03	189928	AA	CC	1940158790
SNP_P1_34969_189929	NC_021162.1	Ca_kabuli_chr03	189929	AA	TT	1940158791
SNP_P1_34970_189932	NC_021162.1	Ca_kabuli_chr03	189932	GG	AA	1940158792
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SNP_P1_34979_254277	NC_021162.1	Ca_kabuli_chr03	254277	TT	CC	1940158798
SNP_P1_34982_275424	NC_021162.1	Ca_kabuli_chr03	275424	AA	CC	1940158799
SNP_P1_34983_277453	NC_021162.1	Ca_kabuli_chr03	277453	TT	GG	1940158800
SNP_P1_34984_277720	NC_021162.1	Ca_kabuli_chr03	277720	AA	GG	1940158801
SNP_P1_34985_282969	NC_021162.1	Ca_kabuli_chr03	282969	TT	CC	1940158802
SNP_P1_34986_293221	NC_021162.1	Ca_kabuli_chr03	293221	TT	AA	1940158803
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SNP_P1_34989_320076	NC_021162.1	Ca_kabuli_chr03	320076	GG	TT	1940158805
SNP_P1_34990_335558	NC_021162.1	Ca_kabuli_chr03	335558	AA	GG	1940158807
SNP_P1_34991_335927	NC_021162.1	Ca_kabuli_chr03	335927	CC	TT	1940158808
SNP_P1_34992_335984	NC_021162.1	Ca_kabuli_chr03	335984	AA	GG	1940158809
SNP_P1_34993_335987	NC_021162.1	Ca_kabuli_chr03	335987	CC	TT	1940158810
SNP_P1_34994_335993	NC_021162.1	Ca_kabuli_chr03	335993	GG	TT	1940158811
SNP_P1_34995_336139	NC_021162.1	Ca_kabuli_chr03	336139	GG	AA	1940158812
SNP_P1_34996_336161	NC_021162.1	Ca_kabuli_chr03	336161	CC	TT	1940158813

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_34999_339173	NC_021162.1	Ca_kabuli_chr03	339173	CC	TT	1940158816
SNP_P1_35001_348044	NC_021162.1	Ca_kabuli_chr03	348044	AA	TT	1940158817
SNP_P1_35002_348431	NC_021162.1	Ca_kabuli_chr03	348431	AA	CC	1940158818
SNP_P1_35003_355426	NC_021162.1	Ca_kabuli_chr03	355426	GG	AA	1940158819
SNP_P1_35004_357490	NC_021162.1	Ca_kabuli_chr03	357490	CC	TT	1940158820
SNP_P1_35005_357560	NC_021162.1	Ca_kabuli_chr03	357560	CC	TT	1940158821
SNP_P1_35006_358390	NC_021162.1	Ca_kabuli_chr03	358390	AA	CC	1940158822
SNP_P1_35007_360480	NC_021162.1	Ca_kabuli_chr03	360480	AA	GG	1940158823
SNP_P1_35008_360486	NC_021162.1	Ca_kabuli_chr03	360486	AA	TT	1940158824
SNP_P1_35009_365192	NC_021162.1	Ca_kabuli_chr03	365192	TT	AA	1940158825
SNP_P1_35010_365305	NC_021162.1	Ca_kabuli_chr03	365305	CC	TT	1940158826
SNP_P1_35011_365418	NC_021162.1	Ca_kabuli_chr03	365418	AA	TT	1940158827
SNP_P1_35013_371696	NC_021162.1	Ca_kabuli_chr03	371696	AA	GG	1940158828
SNP_P1_35014_375870	NC_021162.1	Ca_kabuli_chr03	375870	TT	CC	1940158829
SNP_P1_35015_375912	NC_021162.1	Ca_kabuli_chr03	375912	CC	GG	1940158830
SNP_P1_35016_376342	NC_021162.1	Ca_kabuli_chr03	376342	GG	TT	1940158831
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SNP_P1_35018_378320	NC_021162.1	Ca_kabuli_chr03	378320	GG	TT	1940158833
SNP_P1_35020_380357	NC_021162.1	Ca_kabuli_chr03	380357	GG	TT	1940158834
SNP_P1_35021_380774	NC_021162.1	Ca_kabuli_chr03	380774	TT	GG	1940158835
SNP_P1_35022_380777	NC_021162.1	Ca_kabuli_chr03	380777	AA	GG	1940158836
SNP_P1_35023_380779	NC_021162.1	Ca_kabuli_chr03	380779	GG	AA	1940158837
SNP_P1_35024_380874	NC_021162.1	Ca_kabuli_chr03	380874	CC	AA	1940158838
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SNP_P1_35028_391011	NC_021162.1	Ca_kabuli_chr03	391011	CC	TT	1940158842
SNP_P1_35029_393999	NC_021162.1	Ca_kabuli_chr03	393999	AA	CC	1940158843
SNP_P1_35030_395811	NC_021162.1	Ca_kabuli_chr03	395811	AA	GG	1940158844
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SNP_P1_35033_414816	NC_021162.1	Ca_kabuli_chr03	414816	CC	AA	1940158847
SNP_P1_35036_415305	NC_021162.1	Ca_kabuli_chr03	415305	GG	AA	1940158848
SNP_P1_35037_415434	NC_021162.1	Ca_kabuli_chr03	415434	CC	TT	1940158849
SNP_P1_35038_415494	NC_021162.1	Ca_kabuli_chr03	415494	TT	GG	1940158850
SNP_P1_35039_415593	NC_021162.1	Ca_kabuli_chr03	415593	TT	CC	1940158851
SNP_P1_35040_415694	NC_021162.1	Ca_kabuli_chr03	415694	CC	GG	1940158852
SNP_P1_35041_415964	NC_021162.1	Ca_kabuli_chr03	415964	AA	TT	1940158853
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SNP_P1_35043_416539	NC_021162.1	Ca_kabuli_chr03	416539	TT	CC	1940158855
SNP_P1_35044_422360	NC_021162.1	Ca_kabuli_chr03	422360	TT	GG	1940158856

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35046_424169	NC_021162.1	Ca_kabuli_chr03	424169	TT	CC	1940158858
SNP_P1_35047_424171	NC_021162.1	Ca_kabuli_chr03	424171	TT	AA	1940158859
SNP_P1_35048_426792	NC_021162.1	Ca_kabuli_chr03	426792	GG	AA	1940158860
SNP_P1_35049_427697	NC_021162.1	Ca_kabuli_chr03	427697	CC	TT	1940158861
SNP_P1_35050_432879	NC_021162.1	Ca_kabuli_chr03	432879	AA	GG	1940158862
SNP_P1_35051_433052	NC_021162.1	Ca_kabuli_chr03	433052	AA	CC	1940158863
SNP_P1_35052_433140	NC_021162.1	Ca_kabuli_chr03	433140	AA	GG	1940158864
SNP_P1_35053_450062	NC_021162.1	Ca_kabuli_chr03	450062	GG	AA	1940158865
SNP_P1_35054_450073	NC_021162.1	Ca_kabuli_chr03	450073	GG	TT	1940158866
SNP_P1_35055_450602	NC_021162.1	Ca_kabuli_chr03	450602	AA	CC	1940158867
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SNP_P1_35063_454271	NC_021162.1	Ca_kabuli_chr03	454271	GG	AA	1940158874
SNP_P1_35066_454727	NC_021162.1	Ca_kabuli_chr03	454727	CC	TT	1940158875
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SNP_P1_35078_532958	NC_021162.1	Ca_kabuli_chr03	532958	CC	AA	1940158886
SNP_P1_35079_567187	NC_021162.1	Ca_kabuli_chr03	567187	TT	CC	1940158887
SNP_P1_35081_580550	NC_021162.1	Ca_kabuli_chr03	580550	GG	CC	1940158888
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SNP_P1_35083_600861	NC_021162.1	Ca_kabuli_chr03	600861	GG	AA	1940158890
SNP_P1_35084_600888	NC_021162.1	Ca_kabuli_chr03	600888	AA	GG	1940158891
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SNP_P1_35089_635196	NC_021162.1	Ca_kabuli_chr03	635196	AA	GG	1940158894
SNP_P1_35090_635197	NC_021162.1	Ca_kabuli_chr03	635197	AA	TT	1940158895
SNP_P1_35091_646923	NC_021162.1	Ca_kabuli_chr03	646923	AA	GG	1940158896
SNP_P1_35092_647432	NC_021162.1	Ca_kabuli_chr03	647432	CC	TT	1940158897
SNP_P1_35093_647437	NC_021162.1	Ca_kabuli_chr03	647437	GG	AA	1940158898
SNP_P1_35094_647492	NC_021162.1	Ca_kabuli_chr03	647492	CC	AA	1940158899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35097_661198	NC_021162.1	Ca_kabuli_chr03	661198	TT	AA	1940158902
SNP_P1_35099_670111	NC_021162.1	Ca_kabuli_chr03	670111	TT	CC	1940158903
SNP_P1_35100_670129	NC_021162.1	Ca_kabuli_chr03	670129	TT	CC	1940158904
SNP_P1_35101_671284	NC_021162.1	Ca_kabuli_chr03	671284	TT	CC	1940158905
SNP_P1_35102_671321	NC_021162.1	Ca_kabuli_chr03	671321	GG	AA	1940158906
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SNP_P1_35110_671633	NC_021162.1	Ca_kabuli_chr03	671633	TT	CC	1940158914
SNP_P1_35111_675629	NC_021162.1	Ca_kabuli_chr03	675629	TT	CC	1940158915
SNP_P1_35112_676279	NC_021162.1	Ca_kabuli_chr03	676279	TT	AA	1940158916
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SNP_P1_35115_737263	NC_021162.1	Ca_kabuli_chr03	737263	CC	TT	1940158918
SNP_P1_35116_745505	NC_021162.1	Ca_kabuli_chr03	745505	CC	GG	1940158919
SNP_P1_35118_753380	NC_021162.1	Ca_kabuli_chr03	753380	AA	GG	1940158920
SNP_P1_35119_753641	NC_021162.1	Ca_kabuli_chr03	753641	CC	TT	1940158921
SNP_P1_35120_757500	NC_021162.1	Ca_kabuli_chr03	757500	AA	GG	1940158922
SNP_P1_35121_761721	NC_021162.1	Ca_kabuli_chr03	761721	TT	AA	1940158923
SNP_P1_35122_761747	NC_021162.1	Ca_kabuli_chr03	761747	AA	GG	1940158924
SNP_P1_35125_801698	NC_021162.1	Ca_kabuli_chr03	801698	TT	GG	1940158926
SNP_P1_35126_817646	NC_021162.1	Ca_kabuli_chr03	817646	GG	AA	1940158927
SNP_P1_35127_873251	NC_021162.1	Ca_kabuli_chr03	873251	AA	TT	1940158928
SNP_P1_35128_873633	NC_021162.1	Ca_kabuli_chr03	873633	TT	CC	1940158929
SNP_P1_35129_882721	NC_021162.1	Ca_kabuli_chr03	882721	GG	AA	1940158930
SNP_P1_35130_888175	NC_021162.1	Ca_kabuli_chr03	888175	AA	GG	1940158931
SNP_P1_35132_897520	NC_021162.1	Ca_kabuli_chr03	897520	GG	AA	1940158932
SNP_P1_35133_898747	NC_021162.1	Ca_kabuli_chr03	898747	GG	CC	1940158933
SNP_P1_35135_917627	NC_021162.1	Ca_kabuli_chr03	917627	TT	CC	1940158934
SNP_P1_35136_922553	NC_021162.1	Ca_kabuli_chr03	922553	AA	GG	1940158935
SNP_P1_35137_922557	NC_021162.1	Ca_kabuli_chr03	922557	AA	TT	1940158936
SNP_P1_35138_922645	NC_021162.1	Ca_kabuli_chr03	922645	TT	CC	1940158937
SNP_P1_35139_924803	NC_021162.1	Ca_kabuli_chr03	924803	AA	GG	1940158938
SNP_P1_35140_924839	NC_021162.1	Ca_kabuli_chr03	924839	AA	GG	1940158939
SNP_P1_35141_924929	NC_021162.1	Ca_kabuli_chr03	924929	AA	TT	1940158940
SNP_P1_35142_925169	NC_021162.1	Ca_kabuli_chr03	925169	CC	TT	1940158941
SNP_P1_35143_925181	NC_021162.1	Ca_kabuli_chr03	925181	GG	TT	1940158942

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35145_925256	NC_021162.1	Ca_kabuli_chr03	925256	GG	AA	1940158944
SNP_P1_35146_925596	NC_021162.1	Ca_kabuli_chr03	925596	AA	GG	1940158945
SNP_P1_35147_925645	NC_021162.1	Ca_kabuli_chr03	925645	AA	GG	1940158946
SNP_P1_35148_925694	NC_021162.1	Ca_kabuli_chr03	925694	AA	CC	1940158947
SNP_P1_35149_938744	NC_021162.1	Ca_kabuli_chr03	938744	CC	AA	1940158948
SNP_P1_35150_938903	NC_021162.1	Ca_kabuli_chr03	938903	TT	AA	1940158949
SNP_P1_35151_938951	NC_021162.1	Ca_kabuli_chr03	938951	AA	GG	1940158950
SNP_P1_35153_939100	NC_021162.1	Ca_kabuli_chr03	939100	AA	GG	1940158951
SNP_P1_35154_939166	NC_021162.1	Ca_kabuli_chr03	939166	GG	TT	1940158952
SNP_P1_35155_939238	NC_021162.1	Ca_kabuli_chr03	939238	CC	AA	1940158953
SNP_P1_35156_939239	NC_021162.1	Ca_kabuli_chr03	939239	CC	TT	1940158954
SNP_P1_35157_939240	NC_021162.1	Ca_kabuli_chr03	939240	TT	GG	1940158956
SNP_P1_35158_939396	NC_021162.1	Ca_kabuli_chr03	939396	GG	AA	1940158957
SNP_P1_35159_943382	NC_021162.1	Ca_kabuli_chr03	943382	CC	AA	1940158958
SNP_P1_35161_959118	NC_021162.1	Ca_kabuli_chr03	959118	TT	GG	1940158959
SNP_P1_35162_959400	NC_021162.1	Ca_kabuli_chr03	959400	TT	CC	1940158960
SNP_P1_35163_961741	NC_021162.1	Ca_kabuli_chr03	961741	AA	CC	1940158961
SNP_P1_35164_962278	NC_021162.1	Ca_kabuli_chr03	962278	CC	TT	1940158962
SNP_P1_35165_962343	NC_021162.1	Ca_kabuli_chr03	962343	CC	AA	1940158963
SNP_P1_35166_962482	NC_021162.1	Ca_kabuli_chr03	962482	TT	CC	1940158964
SNP_P1_35167_962517	NC_021162.1	Ca_kabuli_chr03	962517	GG	AA	1940158965
SNP_P1_35168_962645	NC_021162.1	Ca_kabuli_chr03	962645	TT	AA	1940158966
SNP_P1_35169_962668	NC_021162.1	Ca_kabuli_chr03	962668	GG	CC	1940158967
SNP_P1_35170_962951	NC_021162.1	Ca_kabuli_chr03	962951	GG	AA	1940158968
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SNP_P1_35173_964568	NC_021162.1	Ca_kabuli_chr03	964568	CC	TT	1940158971
SNP_P1_35174_968322	NC_021162.1	Ca_kabuli_chr03	968322	GG	TT	1940158972
SNP_P1_35175_979073	NC_021162.1	Ca_kabuli_chr03	979073	GG	AA	1940158973
SNP_P1_35176_982576	NC_021162.1	Ca_kabuli_chr03	982576	TT	CC	1940158974
SNP_P1_35177_982600	NC_021162.1	Ca_kabuli_chr03	982600	AA	CC	1940158975
SNP_P1_35178_993659	NC_021162.1	Ca_kabuli_chr03	993659	TT	CC	1940158976
SNP_P1_35179_996284	NC_021162.1	Ca_kabuli_chr03	996284	TT	CC	1940158977
SNP_P1_35180_1000952	NC_021162.1	Ca_kabuli_chr03	1000952	TT	GG	1940158978
SNP_P1_35181_1005009	NC_021162.1	Ca_kabuli_chr03	1005009	GG	AA	1940158979
SNP_P1_35182_1005086	NC_021162.1	Ca_kabuli_chr03	1005086	CC	TT	1940158980
SNP_P1_35183_1005269	NC_021162.1	Ca_kabuli_chr03	1005269	CC	TT	1940158981
SNP_P1_35184_1005340	NC_021162.1	Ca_kabuli_chr03	1005340	CC	AA	1940158982
SNP_P1_35185_1005376	NC_021162.1	Ca_kabuli_chr03	1005376	AA	GG	1940158983
SNP_P1_35186_1005406	NC_021162.1	Ca_kabuli_chr03	1005406	AA	GG	1940158984
SNP_P1_35187_1005431	NC_021162.1	Ca_kabuli_chr03	1005431	AA	GG	1940158985

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35191_1038194	NC_021162.1	Ca_kabuli_chr03	1038194	AA	GG	1940158989
SNP_P1_35192_1055964	NC_021162.1	Ca_kabuli_chr03	1055964	GG	AA	1940158990
SNP_P1_35193_1062591	NC_021162.1	Ca_kabuli_chr03	1062591	GG	AA	1940158991
SNP_P1_35194_1063067	NC_021162.1	Ca_kabuli_chr03	1063067	AA	CC	1940158992
SNP_P1_35195_1063079	NC_021162.1	Ca_kabuli_chr03	1063079	AA	CC	1940158993
SNP_P1_35196_1063130	NC_021162.1	Ca_kabuli_chr03	1063130	AA	CC	1940158994
SNP_P1_35197_1063148	NC_021162.1	Ca_kabuli_chr03	1063148	TT	CC	1940158995
SNP_P1_35198_1074556	NC_021162.1	Ca_kabuli_chr03	1074556	AA	GG	1940158996
SNP_P1_35199_1086228	NC_021162.1	Ca_kabuli_chr03	1086228	TT	CC	1940158997
SNP_P1_35200_1089581	NC_021162.1	Ca_kabuli_chr03	1089581	AA	GG	1940158998
SNP_P1_35201_1111448	NC_021162.1	Ca_kabuli_chr03	1111448	AA	GG	1940158999
SNP_P1_35202_1119339	NC_021162.1	Ca_kabuli_chr03	1119339	TT	CC	1940159000
SNP_P1_35203_1119346	NC_021162.1	Ca_kabuli_chr03	1119346	AA	TT	1940159001
SNP_P1_35206_1158018	NC_021162.1	Ca_kabuli_chr03	1158018	TT	GG	1940159002
SNP_P1_35207_1175415	NC_021162.1	Ca_kabuli_chr03	1175415	TT	GG	1940159003
SNP_P1_35208_1175443	NC_021162.1	Ca_kabuli_chr03	1175443	AA	CC	1940159004
SNP_P1_35209_1175453	NC_021162.1	Ca_kabuli_chr03	1175453	TT	GG	1940159005
SNP_P1_35210_1175485	NC_021162.1	Ca_kabuli_chr03	1175485	TT	CC	1940159006
SNP_P1_35211_1175486	NC_021162.1	Ca_kabuli_chr03	1175486	AA	TT	1940159007
SNP_P1_35212_1175487	NC_021162.1	Ca_kabuli_chr03	1175487	GG	AA	1940159008
SNP_P1_35213_1175538	NC_021162.1	Ca_kabuli_chr03	1175538	AA	CC	1940159009
SNP_P1_35214_1175761	NC_021162.1	Ca_kabuli_chr03	1175761	AA	GG	1940159010
SNP_P1_35215_1175791	NC_021162.1	Ca_kabuli_chr03	1175791	AA	TT	1940159011
SNP_P1_35216_1175911	NC_021162.1	Ca_kabuli_chr03	1175911	AA	GG	1940159012
SNP_P1_35217_1175945	NC_021162.1	Ca_kabuli_chr03	1175945	GG	AA	1940159013
SNP_P1_35218_1185573	NC_021162.1	Ca_kabuli_chr03	1185573	CC	TT	1940159014
SNP_P1_35219_1185584	NC_021162.1	Ca_kabuli_chr03	1185584	TT	CC	1940159015
SNP_P1_35220_1185787	NC_021162.1	Ca_kabuli_chr03	1185787	TT	AA	1940159016
SNP_P1_35221_1185903	NC_021162.1	Ca_kabuli_chr03	1185903	GG	TT	1940159017
SNP_P1_35222_1185904	NC_021162.1	Ca_kabuli_chr03	1185904	GG	AA	1940159018
SNP_P1_35223_1185933	NC_021162.1	Ca_kabuli_chr03	1185933	TT	CC	1940159020
SNP_P1_35224_1188676	NC_021162.1	Ca_kabuli_chr03	1188676	TT	AA	1940159021
SNP_P1_35225_1188728	NC_021162.1	Ca_kabuli_chr03	1188728	GG	AA	1940159022
SNP_P1_35226_1189479	NC_021162.1	Ca_kabuli_chr03	1189479	AA	CC	1940159023
SNP_P1_35228_1241886	NC_021162.1	Ca_kabuli_chr03	1241886	TT	CC	1940159024
SNP_P1_35229_1244516	NC_021162.1	Ca_kabuli_chr03	1244516	GG	AA	1940159025
SNP_P1_35230_1244917	NC_021162.1	Ca_kabuli_chr03	1244917	AA	TT	1940159026
SNP_P1_35231_1267688	NC_021162.1	Ca_kabuli_chr03	1267688	CC	TT	1940159027
SNP_P1_35232_1272951	NC_021162.1	Ca_kabuli_chr03	1272951	CC	TT	1940159028
SNP_P1_35233_1272970	NC_021162.1	Ca_kabuli_chr03	1272970	TT	CC	1940159029

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35235_1273221	NC_021162.1	Ca_kabuli_chr03	1273221	TT	CC	1940159031
SNP_P1_35236_1273313	NC_021162.1	Ca_kabuli_chr03	1273313	AA	GG	1940159032
SNP_P1_35237_1273367	NC_021162.1	Ca_kabuli_chr03	1273367	AA	GG	1940159033
SNP_P1_35238_1273396	NC_021162.1	Ca_kabuli_chr03	1273396	CC	TT	1940159034
SNP_P1_35239_1273643	NC_021162.1	Ca_kabuli_chr03	1273643	CC	GG	1940159035
SNP_P1_35240_1273665	NC_021162.1	Ca_kabuli_chr03	1273665	TT	CC	1940159036
SNP_P1_35241_1277390	NC_021162.1	Ca_kabuli_chr03	1277390	AA	TT	1940159037
SNP_P1_35244_1356713	NC_021162.1	Ca_kabuli_chr03	1356713	GG	AA	1940159038
SNP_P1_35245_1361913	NC_021162.1	Ca_kabuli_chr03	1361913	AA	CC	1940159039
SNP_P1_35246_1365292	NC_021162.1	Ca_kabuli_chr03	1365292	TT	CC	1940159040
SNP_P1_35248_1371199	NC_021162.1	Ca_kabuli_chr03	1371199	GG	AA	1940159041
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SNP_P1_35252_1393855	NC_021162.1	Ca_kabuli_chr03	1393855	CC	TT	1940159045
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SNP_P1_35254_1395096	NC_021162.1	Ca_kabuli_chr03	1395096	TT	AA	1940159047
SNP_P1_35255_1395105	NC_021162.1	Ca_kabuli_chr03	1395105	TT	GG	1940159048
SNP_P1_35256_1395109	NC_021162.1	Ca_kabuli_chr03	1395109	AA	GG	1940159049
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SNP_P1_35262_1395165	NC_021162.1	Ca_kabuli_chr03	1395165	CC	TT	1940159055
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SNP_P1_35264_1395381	NC_021162.1	Ca_kabuli_chr03	1395381	CC	GG	1940159057
SNP_P1_35265_1395392	NC_021162.1	Ca_kabuli_chr03	1395392	CC	AA	1940159058
SNP_P1_35266_1395397	NC_021162.1	Ca_kabuli_chr03	1395397	TT	AA	1940159059
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SNP_P1_35271_1395482	NC_021162.1	Ca_kabuli_chr03	1395482	CC	TT	1940159065
SNP_P1_35272_1395580	NC_021162.1	Ca_kabuli_chr03	1395580	GG	TT	1940159066
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SNP_P1_35275_1396167	NC_021162.1	Ca_kabuli_chr03	1396167	TT	GG	1940159069
SNP_P1_35276_1396182	NC_021162.1	Ca_kabuli_chr03	1396182	AA	GG	1940159070
SNP_P1_35277_1396512	NC_021162.1	Ca_kabuli_chr03	1396512	GG	AA	1940159071
SNP_P1_35278_1396580	NC_021162.1	Ca_kabuli_chr03	1396580	CC	TT	1940159072

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35281_1397023	NC_021162.1	Ca_kabuli_chr03	1397023	AA	GG	1940159075
SNP_P1_35282_1397065	NC_021162.1	Ca_kabuli_chr03	1397065	TT	GG	1940159076
SNP_P1_35283_1397159	NC_021162.1	Ca_kabuli_chr03	1397159	AA	GG	1940159077
SNP_P1_35284_1397334	NC_021162.1	Ca_kabuli_chr03	1397334	TT	CC	1940159078
SNP_P1_35285_1397395	NC_021162.1	Ca_kabuli_chr03	1397395	AA	GG	1940159079
SNP_P1_35287_1403996	NC_021162.1	Ca_kabuli_chr03	1403996	AA	GG	1940159080
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SNP_P1_35299_1458366	NC_021162.1	Ca_kabuli_chr03	1458366	GG	AA	1940159092
SNP_P1_35300_1461935	NC_021162.1	Ca_kabuli_chr03	1461935	GG	AA	1940159093
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SNP_P1_35302_1476372	NC_021162.1	Ca_kabuli_chr03	1476372	AA	GG	1940159095
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SNP_P1_35304_1477916	NC_021162.1	Ca_kabuli_chr03	1477916	AA	TT	1940159097
SNP_P1_35305_1489932	NC_021162.1	Ca_kabuli_chr03	1489932	AA	TT	1940159098
SNP_P1_35306_1492921	NC_021162.1	Ca_kabuli_chr03	1492921	CC	TT	1940159099
SNP_P1_35308_1508414	NC_021162.1	Ca_kabuli_chr03	1508414	TT	CC	1940159100
SNP_P1_35309_1510937	NC_021162.1	Ca_kabuli_chr03	1510937	AA	GG	1940159101
SNP_P1_35310_1511250	NC_021162.1	Ca_kabuli_chr03	1511250	AA	GG	1940159102
SNP_P1_35311_1511279	NC_021162.1	Ca_kabuli_chr03	1511279	TT	CC	1940159103
SNP_P1_35312_1511422	NC_021162.1	Ca_kabuli_chr03	1511422	GG	CC	1940159104
SNP_P1_35313_1511650	NC_021162.1	Ca_kabuli_chr03	1511650	CC	TT	1940159105
SNP_P1_35314_1511707	NC_021162.1	Ca_kabuli_chr03	1511707	AA	GG	1940159106
SNP_P1_35315_1511782	NC_021162.1	Ca_kabuli_chr03	1511782	CC	AA	1940159107
SNP_P1_35316_1512013	NC_021162.1	Ca_kabuli_chr03	1512013	AA	GG	1940159108
SNP_P1_35317_1519785	NC_021162.1	Ca_kabuli_chr03	1519785	TT	CC	1940159109
SNP_P1_35319_1532706	NC_021162.1	Ca_kabuli_chr03	1532706	TT	CC	1940159110
SNP_P1_35320_1532707	NC_021162.1	Ca_kabuli_chr03	1532707	GG	TT	1940159111
SNP_P1_35321_1532808	NC_021162.1	Ca_kabuli_chr03	1532808	AA	CC	1940159112
SNP_P1_35322_1532809	NC_021162.1	Ca_kabuli_chr03	1532809	GG	AA	1940159113
SNP_P1_35323_1532866	NC_021162.1	Ca_kabuli_chr03	1532866	AA	CC	1940159114
SNP_P1_35324_1533019	NC_021162.1	Ca_kabuli_chr03	1533019	GG	AA	1940159115

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_35325_1533039	NC_021162.1	Ca_kabuli_chr03	1533039	AA	GG	1940159116
SNP_P1_35326_1533044	NC_021162.1	Ca_kabuli_chr03	1533044	AA	GG	1940159117
SNP_P1_35327_1533063	NC_021162.1	Ca_kabuli_chr03	1533063	TT	GG	1940159119
SNP_P1_35328_1533228	NC_021162.1	Ca_kabuli_chr03	1533228	AA	CC	1940159120
SNP_P1_35329_1533230	NC_021162.1	Ca_kabuli_chr03	1533230	TT	AA	1940159121
SNP_P1_35330_1533266	NC_021162.1	Ca_kabuli_chr03	1533266	GG	CC	1940159122
SNP_P1_35331_1533319	NC_021162.1	Ca_kabuli_chr03	1533319	AA	GG	1940159123
SNP_P1_35332_1533341	NC_021162.1	Ca_kabuli_chr03	1533341	CC	TT	1940159124
SNP_P1_35334_1533408	NC_021162.1	Ca_kabuli_chr03	1533408	CC	AA	1940159125
SNP_P1_35335_1533410	NC_021162.1	Ca_kabuli_chr03	1533410	GG	AA	1940159126
SNP_P1_35336_1533560	NC_021162.1	Ca_kabuli_chr03	1533560	TT	CC	1940159127
SNP_P1_35337_1533706	NC_021162.1	Ca_kabuli_chr03	1533706	CC	GG	1940159128
SNP_P1_35338_1533711	NC_021162.1	Ca_kabuli_chr03	1533711	TT	CC	1940159129
SNP_P1_35339_1533885	NC_021162.1	Ca_kabuli_chr03	1533885	TT	CC	1940159130
SNP_P1_35341_1534140	NC_021162.1	Ca_kabuli_chr03	1534140	AA	GG	1940159131
SNP_P1_35342_1534242	NC_021162.1	Ca_kabuli_chr03	1534242	TT	CC	1940159132
SNP_P1_35343_1534278	NC_021162.1	Ca_kabuli_chr03	1534278	AA	CC	1940159133
SNP_P1_35344_1534371	NC_021162.1	Ca_kabuli_chr03	1534371	TT	AA	1940159134
SNP_P1_35345_1534392	NC_021162.1	Ca_kabuli_chr03	1534392	GG	AA	1940159135
SNP_P1_35346_1534419	NC_021162.1	Ca_kabuli_chr03	1534419	CC	TT	1940159136
SNP_P1_35347_1534459	NC_021162.1	Ca_kabuli_chr03	1534459	TT	AA	1940159137
SNP_P1_35348_1534509	NC_021162.1	Ca_kabuli_chr03	1534509	GG	AA	1940159138
SNP_P1_35349_1534631	NC_021162.1	Ca_kabuli_chr03	1534631	AA	CC	1940159139
SNP_P1_35350_1534763	NC_021162.1	Ca_kabuli_chr03	1534763	CC	TT	1940159140
SNP_P1_35351_1534806	NC_021162.1	Ca_kabuli_chr03	1534806	GG	AA	1940159142
SNP_P1_35352_1534811	NC_021162.1	Ca_kabuli_chr03	1534811	AA	GG	1940159143
SNP_P1_35353_1534827	NC_021162.1	Ca_kabuli_chr03	1534827	AA	TT	1940159144
SNP_P1_35354_1534860	NC_021162.1	Ca_kabuli_chr03	1534860	AA	GG	1940159145
SNP_P1_35355_1534863	NC_021162.1	Ca_kabuli_chr03	1534863	TT	AA	1940159146
SNP_P1_35356_1546100	NC_021162.1	Ca_kabuli_chr03	1546100	TT	CC	1940159147
SNP_P1_35357_1547263	NC_021162.1	Ca_kabuli_chr03	1547263	CC	TT	1940159148
SNP_P1_35358_1549454	NC_021162.1	Ca_kabuli_chr03	1549454	AA	TT	1940159149
SNP_P1_35359_1566101	NC_021162.1	Ca_kabuli_chr03	1566101	TT	CC	1940159150
SNP_P1_35361_1593199	NC_021162.1	Ca_kabuli_chr03	1593199	TT	CC	1940159151
SNP_P1_35362_1646455	NC_021162.1	Ca_kabuli_chr03	1646455	AA	CC	1940159152
SNP_P1_35363_1648699	NC_021162.1	Ca_kabuli_chr03	1648699	CC	TT	1940159153
SNP_P1_35364_1650689	NC_021162.1	Ca_kabuli_chr03	1650689	AA	GG	1940159154
SNP_P1_35365_1652867	NC_021162.1	Ca_kabuli_chr03	1652867	AA	CC	1940159155
SNP_P1_35366_1657145	NC_021162.1	Ca_kabuli_chr03	1657145	GG	AA	1940159156
SNP_P1_35367_1692225	NC_021162.1	Ca_kabuli_chr03	1692225	GG	AA	1940159157
SNP_P1_35368_1692227	NC_021162.1	Ca_kabuli_chr03	1692227	GG	AA	1940159158
SNP_P1_35369_1692234	NC_021162.1	Ca_kabuli_chr03	1692234	CC	TT	1940159159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_35370_1709723	NC_021162.1	Ca_kabuli_chr03	1709723	AA	GG	1940159160
SNP_P1_35371_1718188	NC_021162.1	Ca_kabuli_chr03	1718188	TT	CC	1940159161
SNP_P1_35374_1755478	NC_021162.1	Ca_kabuli_chr03	1755478	TT	CC	1940159162
SNP_P1_35375_1796233	NC_021162.1	Ca_kabuli_chr03	1796233	CC	TT	1940159163
SNP_P1_35376_1796238	NC_021162.1	Ca_kabuli_chr03	1796238	TT	CC	1940159164
SNP_P1_35377_1796242	NC_021162.1	Ca_kabuli_chr03	1796242	CC	TT	1940159165
SNP_P1_35378_1796251	NC_021162.1	Ca_kabuli_chr03	1796251	AA	GG	1940159166
SNP_P1_35379_1796272	NC_021162.1	Ca_kabuli_chr03	1796272	CC	TT	1940159167
SNP_P1_35380_1796370	NC_021162.1	Ca_kabuli_chr03	1796370	AA	CC	1940159168
SNP_P1_35381_1796373	NC_021162.1	Ca_kabuli_chr03	1796373	GG	AA	1940159170
SNP_P1_35382_1796380	NC_021162.1	Ca_kabuli_chr03	1796380	CC	TT	1940159171
SNP_P1_35383_1796425	NC_021162.1	Ca_kabuli_chr03	1796425	CC	TT	1940159172
SNP_P1_35385_1796699	NC_021162.1	Ca_kabuli_chr03	1796699	TT	CC	1940159173
SNP_P1_35386_1796717	NC_021162.1	Ca_kabuli_chr03	1796717	AA	GG	1940159174
SNP_P1_35387_1796837	NC_021162.1	Ca_kabuli_chr03	1796837	CC	TT	1940159175
SNP_P1_35388_1821834	NC_021162.1	Ca_kabuli_chr03	1821834	CC	TT	1940159176
SNP_P1_35389_1828968	NC_021162.1	Ca_kabuli_chr03	1828968	AA	GG	1940159177
SNP_P1_35390_1869905	NC_021162.1	Ca_kabuli_chr03	1869905	TT	AA	1940159178
SNP_P1_35391_1872261	NC_021162.1	Ca_kabuli_chr03	1872261	AA	GG	1940159179
SNP_P1_35393_1924159	NC_021162.1	Ca_kabuli_chr03	1924159	AA	GG	1940159180
SNP_P1_35394_1924160	NC_021162.1	Ca_kabuli_chr03	1924160	AA	GG	1940159181
SNP_P1_35395_1937010	NC_021162.1	Ca_kabuli_chr03	1937010	AA	GG	1940159182
SNP_P1_35396_1953881	NC_021162.1	Ca_kabuli_chr03	1953881	CC	TT	1940159183
SNP_P1_35397_1966084	NC_021162.1	Ca_kabuli_chr03	1966084	CC	AA	1940159184
SNP_P1_35398_1994208	NC_021162.1	Ca_kabuli_chr03	1994208	AA	GG	1940159185
SNP_P1_35399_2009669	NC_021162.1	Ca_kabuli_chr03	2009669	GG	AA	1940159186
SNP_P1_35400_2027723	NC_021162.1	Ca_kabuli_chr03	2027723	TT	CC	1940159187
SNP_P1_35401_2041194	NC_021162.1	Ca_kabuli_chr03	2041194	GG	AA	1940159188
SNP_P1_35402_2043755	NC_021162.1	Ca_kabuli_chr03	2043755	AA	GG	1940159189
SNP_P1_35403_2043756	NC_021162.1	Ca_kabuli_chr03	2043756	CC	AA	1940159190
SNP_P1_35404_2043758	NC_021162.1	Ca_kabuli_chr03	2043758	CC	TT	1940159191
SNP_P1_35405_2043789	NC_021162.1	Ca_kabuli_chr03	2043789	AA	CC	1940159192
SNP_P1_35406_2043848	NC_021162.1	Ca_kabuli_chr03	2043848	AA	CC	1940159193
SNP_P1_35407_2043849	NC_021162.1	Ca_kabuli_chr03	2043849	TT	GG	1940159194
SNP_P1_35408_2043952	NC_021162.1	Ca_kabuli_chr03	2043952	TT	CC	1940159195
SNP_P1_35409_2044050	NC_021162.1	Ca_kabuli_chr03	2044050	AA	CC	1940159196
SNP_P1_35411_2065853	NC_021162.1	Ca_kabuli_chr03	2065853	TT	AA	1940159197
SNP_P1_35412_2067408	NC_021162.1	Ca_kabuli_chr03	2067408	TT	AA	1940159199
SNP_P1_35413_2084069	NC_021162.1	Ca_kabuli_chr03	2084069	GG	AA	1940159200
SNP_P1_35414_2085826	NC_021162.1	Ca_kabuli_chr03	2085826	AA	TT	1940159201
SNP_P1_35415_2122350	NC_021162.1	Ca_kabuli_chr03	2122350	CC	TT	1940159202
SNP_P1_35416_2155441	NC_021162.1	Ca_kabuli_chr03	2155441	GG	AA	1940159203

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_35418_2181332	NC_021162.1	Ca_kabuli_chr03	2181332	TT	CC	1940159204
SNP_P1_35419_2182313	NC_021162.1	Ca_kabuli_chr03	2182313	AA	GG	1940159205
SNP_P1_35420_2185567	NC_021162.1	Ca_kabuli_chr03	2185567	GG	AA	1940159206
SNP_P1_35421_2194503	NC_021162.1	Ca_kabuli_chr03	2194503	GG	AA	1940159207
SNP_P1_35422_2194692	NC_021162.1	Ca_kabuli_chr03	2194692	GG	TT	1940159208
SNP_P1_35424_2194715	NC_021162.1	Ca_kabuli_chr03	2194715	TT	AA	1940159209
SNP_P1_35426_2194738	NC_021162.1	Ca_kabuli_chr03	2194738	TT	CC	1940159210
SNP_P1_35428_2194962	NC_021162.1	Ca_kabuli_chr03	2194962	AA	CC	1940159211
SNP_P1_35429_2200948	NC_021162.1	Ca_kabuli_chr03	2200948	TT	CC	1940159212
SNP_P1_35430_2206622	NC_021162.1	Ca_kabuli_chr03	2206622	GG	AA	1940159213
SNP_P1_35431_2209168	NC_021162.1	Ca_kabuli_chr03	2209168	AA	GG	1940159214
SNP_P1_35432_2210460	NC_021162.1	Ca_kabuli_chr03	2210460	TT	CC	1940159215
SNP_P1_35434_2234126	NC_021162.1	Ca_kabuli_chr03	2234126	GG	AA	1940159216
SNP_P1_35435_2245915	NC_021162.1	Ca_kabuli_chr03	2245915	TT	AA	1940159217
SNP_P1_35436_2260030	NC_021162.1	Ca_kabuli_chr03	2260030	AA	GG	1940159218
SNP_P1_35437_2260444	NC_021162.1	Ca_kabuli_chr03	2260444	GG	AA	1940159219
SNP_P1_35438_2266573	NC_021162.1	Ca_kabuli_chr03	2266573	AA	GG	1940159220
SNP_P1_35439_2266803	NC_021162.1	Ca_kabuli_chr03	2266803	CC	TT	1940159221
SNP_P1_35441_2282127	NC_021162.1	Ca_kabuli_chr03	2282127	TT	AA	1940159222
SNP_P1_35443_2306507	NC_021162.1	Ca_kabuli_chr03	2306507	GG	AA	1940159223
SNP_P1_35444_2308010	NC_021162.1	Ca_kabuli_chr03	2308010	TT	GG	1940159224
SNP_P1_35446_2341411	NC_021162.1	Ca_kabuli_chr03	2341411	GG	AA	1940159225
SNP_P1_35447_2358102	NC_021162.1	Ca_kabuli_chr03	2358102	TT	CC	1940159226
SNP_P1_35448_2365556	NC_021162.1	Ca_kabuli_chr03	2365556	CC	AA	1940159227
SNP_P1_35449_2382525	NC_021162.1	Ca_kabuli_chr03	2382525	CC	AA	1940159228
SNP_P1_35450_2382528	NC_021162.1	Ca_kabuli_chr03	2382528	TT	CC	1940159229
SNP_P1_35451_2382590	NC_021162.1	Ca_kabuli_chr03	2382590	AA	CC	1940159230
SNP_P1_35452_2382636	NC_021162.1	Ca_kabuli_chr03	2382636	TT	AA	1940159231
SNP_P1_35453_2382659	NC_021162.1	Ca_kabuli_chr03	2382659	TT	AA	1940159232
SNP_P1_35454_2384745	NC_021162.1	Ca_kabuli_chr03	2384745	TT	GG	1940159233
SNP_P1_35455_2385000	NC_021162.1	Ca_kabuli_chr03	2385000	CC	TT	1940159234
SNP_P1_35456_2387855	NC_021162.1	Ca_kabuli_chr03	2387855	AA	GG	1940159235
SNP_P1_35457_2414956	NC_021162.1	Ca_kabuli_chr03	2414956	AA	GG	1940159236
SNP_P1_35459_2442077	NC_021162.1	Ca_kabuli_chr03	2442077	AA	CC	1940159237
SNP_P1_35460_2442094	NC_021162.1	Ca_kabuli_chr03	2442094	CC	AA	1940159238
SNP_P1_35461_2495256	NC_021162.1	Ca_kabuli_chr03	2495256	GG	AA	1940159239
SNP_P1_35462_2496354	NC_021162.1	Ca_kabuli_chr03	2496354	GG	AA	1940159240
SNP_P1_35463_2496563	NC_021162.1	Ca_kabuli_chr03	2496563	GG	CC	1940159241
SNP_P1_35464_2496581	NC_021162.1	Ca_kabuli_chr03	2496581	GG	CC	1940159242
SNP_P1_35465_2496733	NC_021162.1	Ca_kabuli_chr03	2496733	GG	AA	1940159243
SNP_P1_35466_2511575	NC_021162.1	Ca_kabuli_chr03	2511575	GG	AA	1940159245
SNP_P1_35467_2530286	NC_021162.1	Ca_kabuli_chr03	2530286	TT	GG	1940159246

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_35468_2564082	NC_021162.1	Ca_kabuli_chr03	2564082	CC	TT	1940159247
SNP_P1_35469_2565918	NC_021162.1	Ca_kabuli_chr03	2565918	TT	GG	1940159248
SNP_P1_35470_2571166	NC_021162.1	Ca_kabuli_chr03	2571166	AA	TT	1940159249
SNP_P1_35471_2571335	NC_021162.1	Ca_kabuli_chr03	2571335	AA	GG	1940159250
SNP_P1_35472_2571487	NC_021162.1	Ca_kabuli_chr03	2571487	AA	TT	1940159251
SNP_P1_35473_2571517	NC_021162.1	Ca_kabuli_chr03	2571517	AA	CC	1940159252
SNP_P1_35474_2571572	NC_021162.1	Ca_kabuli_chr03	2571572	CC	GG	1940159253
SNP_P1_35475_2573694	NC_021162.1	Ca_kabuli_chr03	2573694	AA	CC	1940159254
SNP_P1_35476_2573705	NC_021162.1	Ca_kabuli_chr03	2573705	GG	AA	1940159255
SNP_P1_35477_2573707	NC_021162.1	Ca_kabuli_chr03	2573707	GG	AA	1940159256
SNP_P1_35478_2573753	NC_021162.1	Ca_kabuli_chr03	2573753	CC	GG	1940159257
SNP_P1_35479_2573763	NC_021162.1	Ca_kabuli_chr03	2573763	TT	GG	1940159258
SNP_P1_35480_2574084	NC_021162.1	Ca_kabuli_chr03	2574084	GG	AA	1940159259
SNP_P1_35481_2631120	NC_021162.1	Ca_kabuli_chr03	2631120	TT	CC	1940159260
SNP_P1_35482_2631149	NC_021162.1	Ca_kabuli_chr03	2631149	TT	CC	1940159261
SNP_P1_35483_2631150	NC_021162.1	Ca_kabuli_chr03	2631150	AA	GG	1940159262
SNP_P1_35484_2631164	NC_021162.1	Ca_kabuli_chr03	2631164	GG	AA	1940159263
SNP_P1_35485_2631188	NC_021162.1	Ca_kabuli_chr03	2631188	GG	AA	1940159264
SNP_P1_35486_2631205	NC_021162.1	Ca_kabuli_chr03	2631205	AA	GG	1940159265
SNP_P1_35487_2631222	NC_021162.1	Ca_kabuli_chr03	2631222	GG	AA	1940159266
SNP_P1_35488_2631237	NC_021162.1	Ca_kabuli_chr03	2631237	GG	TT	1940159267
SNP_P1_35489_2631241	NC_021162.1	Ca_kabuli_chr03	2631241	CC	GG	1940159268
SNP_P1_35490_2631250	NC_021162.1	Ca_kabuli_chr03	2631250	CC	TT	1940159269
SNP_P1_35491_2631342	NC_021162.1	Ca_kabuli_chr03	2631342	CC	AA	1940159270
SNP_P1_35492_2631368	NC_021162.1	Ca_kabuli_chr03	2631368	TT	CC	1940159271
SNP_P1_35493_2631466	NC_021162.1	Ca_kabuli_chr03	2631466	TT	CC	1940159272
SNP_P1_35494_2631553	NC_021162.1	Ca_kabuli_chr03	2631553	GG	AA	1940159273
SNP_P1_35495_2631569	NC_021162.1	Ca_kabuli_chr03	2631569	AA	GG	1940159274
SNP_P1_35496_2631582	NC_021162.1	Ca_kabuli_chr03	2631582	TT	GG	1940159275
SNP_P1_35497_2631589	NC_021162.1	Ca_kabuli_chr03	2631589	GG	AA	1940159276
SNP_P1_35498_2631593	NC_021162.1	Ca_kabuli_chr03	2631593	TT	CC	1940159277
SNP_P1_35499_2631635	NC_021162.1	Ca_kabuli_chr03	2631635	AA	GG	1940159278
SNP_P1_35500_2631650	NC_021162.1	Ca_kabuli_chr03	2631650	TT	GG	1940159279
SNP_P1_35501_2631666	NC_021162.1	Ca_kabuli_chr03	2631666	GG	AA	1940159280
SNP_P1_35502_2631680	NC_021162.1	Ca_kabuli_chr03	2631680	TT	CC	1940159282
SNP_P1_35503_2667999	NC_021162.1	Ca_kabuli_chr03	2667999	TT	AA	1940159283
SNP_P1_35504_2686345	NC_021162.1	Ca_kabuli_chr03	2686345	GG	AA	1940159284
SNP_P1_35507_2692072	NC_021162.1	Ca_kabuli_chr03	2692072	TT	AA	1940159285
SNP_P1_35508_2700701	NC_021162.1	Ca_kabuli_chr03	2700701	GG	AA	1940159286
SNP_P1_35509_2703769	NC_021162.1	Ca_kabuli_chr03	2703769	AA	GG	1940159287
SNP_P1_35510_2709048	NC_021162.1	Ca_kabuli_chr03	2709048	TT	GG	1940159288
SNP_P1_35511_2712514	NC_021162.1	Ca_kabuli_chr03	2712514	TT	AA	1940159289

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35513_2717674	NC_021162.1	Ca_kabuli_chr03	2717674	GG	AA	1940159291
SNP_P1_35514_2717687	NC_021162.1	Ca_kabuli_chr03	2717687	AA	GG	1940159292
SNP_P1_35515_2717734	NC_021162.1	Ca_kabuli_chr03	2717734	TT	CC	1940159293
SNP_P1_35516_2727667	NC_021162.1	Ca_kabuli_chr03	2727667	TT	AA	1940159294
SNP_P1_35517_2736542	NC_021162.1	Ca_kabuli_chr03	2736542	TT	GG	1940159295
SNP_P1_35518_2736617	NC_021162.1	Ca_kabuli_chr03	2736617	AA	GG	1940159296
SNP_P1_35519_2736640	NC_021162.1	Ca_kabuli_chr03	2736640	TT	CC	1940159297
SNP_P1_35520_2737112	NC_021162.1	Ca_kabuli_chr03	2737112	CC	AA	1940159298
SNP_P1_35521_2737133	NC_021162.1	Ca_kabuli_chr03	2737133	TT	AA	1940159299
SNP_P1_35522_2737134	NC_021162.1	Ca_kabuli_chr03	2737134	GG	AA	1940159300
SNP_P1_35523_2740232	NC_021162.1	Ca_kabuli_chr03	2740232	AA	GG	1940159301
SNP_P1_35524_2753957	NC_021162.1	Ca_kabuli_chr03	2753957	CC	AA	1940159302
SNP_P1_35525_2762578	NC_021162.1	Ca_kabuli_chr03	2762578	CC	AA	1940159303
SNP_P1_35526_2764763	NC_021162.1	Ca_kabuli_chr03	2764763	CC	TT	1940159304
SNP_P1_35527_2767481	NC_021162.1	Ca_kabuli_chr03	2767481	TT	GG	1940159305
SNP_P1_35528_2767493	NC_021162.1	Ca_kabuli_chr03	2767493	GG	AA	1940159306
SNP_P1_35529_2767504	NC_021162.1	Ca_kabuli_chr03	2767504	TT	AA	1940159307
SNP_P1_35530_2767517	NC_021162.1	Ca_kabuli_chr03	2767517	GG	AA	1940159308
SNP_P1_35531_2767519	NC_021162.1	Ca_kabuli_chr03	2767519	TT	CC	1940159309
SNP_P1_35532_2767541	NC_021162.1	Ca_kabuli_chr03	2767541	AA	CC	1940159310
SNP_P1_35533_2767542	NC_021162.1	Ca_kabuli_chr03	2767542	GG	TT	1940159311
SNP_P1_35534_2767548	NC_021162.1	Ca_kabuli_chr03	2767548	AA	GG	1940159312
SNP_P1_35535_2767571	NC_021162.1	Ca_kabuli_chr03	2767571	AA	TT	1940159313
SNP_P1_35536_2767612	NC_021162.1	Ca_kabuli_chr03	2767612	TT	CC	1940159314
SNP_P1_35537_2767747	NC_021162.1	Ca_kabuli_chr03	2767747	CC	TT	1940159316
SNP_P1_35538_2767763	NC_021162.1	Ca_kabuli_chr03	2767763	GG	AA	1940159317
SNP_P1_35539_2767775	NC_021162.1	Ca_kabuli_chr03	2767775	AA	GG	1940159318
SNP_P1_35540_2777212	NC_021162.1	Ca_kabuli_chr03	2777212	GG	AA	1940159319
SNP_P1_35542_2816925	NC_021162.1	Ca_kabuli_chr03	2816925	CC	AA	1940159320
SNP_P1_35544_2854997	NC_021162.1	Ca_kabuli_chr03	2854997	AA	GG	1940159321
SNP_P1_35545_2855012	NC_021162.1	Ca_kabuli_chr03	2855012	TT	AA	1940159322
SNP_P1_35546_2855181	NC_021162.1	Ca_kabuli_chr03	2855181	AA	GG	1940159323
SNP_P1_35547_2855185	NC_021162.1	Ca_kabuli_chr03	2855185	TT	CC	1940159324
SNP_P1_35548_2855217	NC_021162.1	Ca_kabuli_chr03	2855217	GG	AA	1940159325
SNP_P1_35549_2855218	NC_021162.1	Ca_kabuli_chr03	2855218	AA	CC	1940159326
SNP_P1_35550_2855225	NC_021162.1	Ca_kabuli_chr03	2855225	CC	TT	1940159327
SNP_P1_35551_2855246	NC_021162.1	Ca_kabuli_chr03	2855246	GG	CC	1940159328
SNP_P1_35552_2855322	NC_021162.1	Ca_kabuli_chr03	2855322	TT	CC	1940159329
SNP_P1_35553_2855344	NC_021162.1	Ca_kabuli_chr03	2855344	AA	GG	1940159330
SNP_P1_35554_2855360	NC_021162.1	Ca_kabuli_chr03	2855360	CC	TT	1940159331
SNP_P1_35555_2855441	NC_021162.1	Ca_kabuli_chr03	2855441	AA	GG	1940159332

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35557_2855488	NC_021162.1	Ca_kabuli_chr03	2855488	AA	GG	1940159334
SNP_P1_35558_2855512	NC_021162.1	Ca_kabuli_chr03	2855512	AA	TT	1940159335
SNP_P1_35559_2855532	NC_021162.1	Ca_kabuli_chr03	2855532	AA	GG	1940159336
SNP_P1_35560_2855540	NC_021162.1	Ca_kabuli_chr03	2855540	AA	TT	1940159337
SNP_P1_35561_2855550	NC_021162.1	Ca_kabuli_chr03	2855550	TT	CC	1940159338
SNP_P1_35562_2855608	NC_021162.1	Ca_kabuli_chr03	2855608	CC	TT	1940159339
SNP_P1_35563_2855611	NC_021162.1	Ca_kabuli_chr03	2855611	CC	TT	1940159340
SNP_P1_35564_2855612	NC_021162.1	Ca_kabuli_chr03	2855612	CC	AA	1940159341
SNP_P1_35565_2855676	NC_021162.1	Ca_kabuli_chr03	2855676	GG	TT	1940159342
SNP_P1_35566_2855741	NC_021162.1	Ca_kabuli_chr03	2855741	CC	GG	1940159343
SNP_P1_35567_2855776	NC_021162.1	Ca_kabuli_chr03	2855776	AA	GG	1940159344
SNP_P1_35569_2855803	NC_021162.1	Ca_kabuli_chr03	2855803	AA	CC	1940159345
SNP_P1_35570_2855812	NC_021162.1	Ca_kabuli_chr03	2855812	TT	CC	1940159346
SNP_P1_35571_2855848	NC_021162.1	Ca_kabuli_chr03	2855848	CC	AA	1940159347
SNP_P1_35572_2855858	NC_021162.1	Ca_kabuli_chr03	2855858	GG	TT	1940159348
SNP_P1_35573_2855949	NC_021162.1	Ca_kabuli_chr03	2855949	GG	AA	1940159349
SNP_P1_35574_2855965	NC_021162.1	Ca_kabuli_chr03	2855965	CC	GG	1940159350
SNP_P1_35576_2856020	NC_021162.1	Ca_kabuli_chr03	2856020	CC	GG	1940159351
SNP_P1_35577_2856038	NC_021162.1	Ca_kabuli_chr03	2856038	TT	CC	1940159352
SNP_P1_35578_2856050	NC_021162.1	Ca_kabuli_chr03	2856050	AA	GG	1940159354
SNP_P1_35579_2856064	NC_021162.1	Ca_kabuli_chr03	2856064	GG	TT	1940159355
SNP_P1_35580_2856181	NC_021162.1	Ca_kabuli_chr03	2856181	CC	TT	1940159356
SNP_P1_35581_2856194	NC_021162.1	Ca_kabuli_chr03	2856194	CC	TT	1940159357
SNP_P1_35582_2856233	NC_021162.1	Ca_kabuli_chr03	2856233	CC	TT	1940159358
SNP_P1_35583_2856311	NC_021162.1	Ca_kabuli_chr03	2856311	CC	GG	1940159359
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SNP_P1_35585_2856361	NC_021162.1	Ca_kabuli_chr03	2856361	CC	TT	1940159361
SNP_P1_35586_2856380	NC_021162.1	Ca_kabuli_chr03	2856380	AA	GG	1940159362
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SNP_P1_35588_2856406	NC_021162.1	Ca_kabuli_chr03	2856406	GG	AA	1940159364
SNP_P1_35589_2856436	NC_021162.1	Ca_kabuli_chr03	2856436	AA	CC	1940159365
SNP_P1_35590_2856468	NC_021162.1	Ca_kabuli_chr03	2856468	AA	GG	1940159366
SNP_P1_35591_2856497	NC_021162.1	Ca_kabuli_chr03	2856497	GG	TT	1940159367
SNP_P1_35592_2858338	NC_021162.1	Ca_kabuli_chr03	2858338	TT	CC	1940159368
SNP_P1_35593_2858357	NC_021162.1	Ca_kabuli_chr03	2858357	AA	CC	1940159369
SNP_P1_35594_2858389	NC_021162.1	Ca_kabuli_chr03	2858389	GG	AA	1940159370
SNP_P1_35595_2858627	NC_021162.1	Ca_kabuli_chr03	2858627	TT	CC	1940159371
SNP_P1_35597_2878279	NC_021162.1	Ca_kabuli_chr03	2878279	TT	AA	1940159372
SNP_P1_35600_2885132	NC_021162.1	Ca_kabuli_chr03	2885132	AA	GG	1940159373
SNP_P1_35601_2886088	NC_021162.1	Ca_kabuli_chr03	2886088	TT	GG	1940159374
SNP_P1_35602_2886090	NC_021162.1	Ca_kabuli_chr03	2886090	AA	CC	1940159375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35606_2902309	NC_021162.1	Ca_kabuli_chr03	2902309	TT	CC	1940159377
SNP_P1_35607_2903010	NC_021162.1	Ca_kabuli_chr03	2903010	GG	AA	1940159378
SNP_P1_35609_2931702	NC_021162.1	Ca_kabuli_chr03	2931702	CC	GG	1940159379
SNP_P1_35610_2931788	NC_021162.1	Ca_kabuli_chr03	2931788	TT	AA	1940159380
SNP_P1_35611_2931792	NC_021162.1	Ca_kabuli_chr03	2931792	TT	GG	1940159381
SNP_P1_35612_2932033	NC_021162.1	Ca_kabuli_chr03	2932033	CC	AA	1940159382
SNP_P1_35613_2932142	NC_021162.1	Ca_kabuli_chr03	2932142	CC	GG	1940159383
SNP_P1_35614_2954902	NC_021162.1	Ca_kabuli_chr03	2954902	TT	CC	1940159384
SNP_P1_35615_2954910	NC_021162.1	Ca_kabuli_chr03	2954910	GG	AA	1940159385
SNP_P1_35616_2962475	NC_021162.1	Ca_kabuli_chr03	2962475	GG	AA	1940159386
SNP_P1_35618_2989574	NC_021162.1	Ca_kabuli_chr03	2989574	AA	GG	1940159387
SNP_P1_35620_3050134	NC_021162.1	Ca_kabuli_chr03	3050134	TT	CC	1940159388
SNP_P1_35625_3063834	NC_021162.1	Ca_kabuli_chr03	3063834	TT	CC	1940159389
SNP_P1_35629_3117702	NC_021162.1	Ca_kabuli_chr03	3117702	AA	TT	1940159390
SNP_P1_35630_3118035	NC_021162.1	Ca_kabuli_chr03	3118035	AA	GG	1940159391
SNP_P1_35631_3120189	NC_021162.1	Ca_kabuli_chr03	3120189	TT	AA	1940159392
SNP_P1_35632_3120190	NC_021162.1	Ca_kabuli_chr03	3120190	AA	TT	1940159393
SNP_P1_35633_3120486	NC_021162.1	Ca_kabuli_chr03	3120486	CC	TT	1940159394
SNP_P1_35634_3120554	NC_021162.1	Ca_kabuli_chr03	3120554	CC	GG	1940159395
SNP_P1_35635_3120570	NC_021162.1	Ca_kabuli_chr03	3120570	AA	GG	1940159396
SNP_P1_35636_3121728	NC_021162.1	Ca_kabuli_chr03	3121728	TT	CC	1940159397
SNP_P1_35637_3121730	NC_021162.1	Ca_kabuli_chr03	3121730	CC	TT	1940159398
SNP_P1_35638_3121809	NC_021162.1	Ca_kabuli_chr03	3121809	CC	TT	1940159399
SNP_P1_35639_3122121	NC_021162.1	Ca_kabuli_chr03	3122121	AA	GG	1940159400
SNP_P1_35640_3122178	NC_021162.1	Ca_kabuli_chr03	3122178	AA	GG	1940159401
SNP_P1_35641_3125507	NC_021162.1	Ca_kabuli_chr03	3125507	TT	CC	1940159402
SNP_P1_35642_3128996	NC_021162.1	Ca_kabuli_chr03	3128996	AA	GG	1940159403
SNP_P1_35643_3129049	NC_021162.1	Ca_kabuli_chr03	3129049	TT	GG	1940159404
SNP_P1_35644_3129520	NC_021162.1	Ca_kabuli_chr03	3129520	TT	CC	1940159406
SNP_P1_35645_3129527	NC_021162.1	Ca_kabuli_chr03	3129527	CC	AA	1940159407
SNP_P1_35646_3129547	NC_021162.1	Ca_kabuli_chr03	3129547	CC	TT	1940159408
SNP_P1_35647_3146708	NC_021162.1	Ca_kabuli_chr03	3146708	TT	CC	1940159409
SNP_P1_35648_3149542	NC_021162.1	Ca_kabuli_chr03	3149542	GG	AA	1940159410
SNP_P1_35649_3151408	NC_021162.1	Ca_kabuli_chr03	3151408	CC	TT	1940159411
SNP_P1_35650_3155738	NC_021162.1	Ca_kabuli_chr03	3155738	CC	AA	1940159412
SNP_P1_35651_3155747	NC_021162.1	Ca_kabuli_chr03	3155747	GG	AA	1940159413
SNP_P1_35652_3163431	NC_021162.1	Ca_kabuli_chr03	3163431	AA	TT	1940159414
SNP_P1_35653_3163668	NC_021162.1	Ca_kabuli_chr03	3163668	TT	CC	1940159415
SNP_P1_35654_3163680	NC_021162.1	Ca_kabuli_chr03	3163680	CC	TT	1940159416
SNP_P1_35655_3163683	NC_021162.1	Ca_kabuli_chr03	3163683	GG	TT	1940159417
SNP_P1_35656_3163691	NC_021162.1	Ca_kabuli_chr03	3163691	TT	CC	1940159418

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35658_3164962	NC_021162.1	Ca_kabuli_chr03	3164962	GG	TT	1940159420
SNP_P1_35659_3164981	NC_021162.1	Ca_kabuli_chr03	3164981	AA	TT	1940159421
SNP_P1_35660_3164992	NC_021162.1	Ca_kabuli_chr03	3164992	GG	AA	1940159422
SNP_P1_35661_3168248	NC_021162.1	Ca_kabuli_chr03	3168248	AA	GG	1940159423
SNP_P1_35662_3170792	NC_021162.1	Ca_kabuli_chr03	3170792	AA	GG	1940159424
SNP_P1_35663_3170826	NC_021162.1	Ca_kabuli_chr03	3170826	TT	GG	1940159425
SNP_P1_35664_3170887	NC_021162.1	Ca_kabuli_chr03	3170887	CC	TT	1940159426
SNP_P1_35665_3170936	NC_021162.1	Ca_kabuli_chr03	3170936	GG	AA	1940159427
SNP_P1_35666_3182360	NC_021162.1	Ca_kabuli_chr03	3182360	AA	CC	1940159428
SNP_P1_35667_3183771	NC_021162.1	Ca_kabuli_chr03	3183771	AA	CC	1940159429
SNP_P1_35669_3186199	NC_021162.1	Ca_kabuli_chr03	3186199	CC	TT	1940159430
SNP_P1_35670_3216272	NC_021162.1	Ca_kabuli_chr03	3216272	AA	GG	1940159431
SNP_P1_35671_3232850	NC_021162.1	Ca_kabuli_chr03	3232850	CC	TT	1940159432
SNP_P1_35672_3235086	NC_021162.1	Ca_kabuli_chr03	3235086	AA	CC	1940159433
SNP_P1_35673_3235098	NC_021162.1	Ca_kabuli_chr03	3235098	AA	CC	1940159434
SNP_P1_35674_3235101	NC_021162.1	Ca_kabuli_chr03	3235101	TT	CC	1940159435
SNP_P1_35675_3235126	NC_021162.1	Ca_kabuli_chr03	3235126	AA	CC	1940159436
SNP_P1_35676_3235163	NC_021162.1	Ca_kabuli_chr03	3235163	GG	CC	1940159437
SNP_P1_35678_3235371	NC_021162.1	Ca_kabuli_chr03	3235371	TT	CC	1940159438
SNP_P1_35679_3235442	NC_021162.1	Ca_kabuli_chr03	3235442	AA	GG	1940159439
SNP_P1_35681_3235491	NC_021162.1	Ca_kabuli_chr03	3235491	CC	TT	1940159440
SNP_P1_35682_3235536	NC_021162.1	Ca_kabuli_chr03	3235536	AA	GG	1940159441
SNP_P1_35684_3235751	NC_021162.1	Ca_kabuli_chr03	3235751	TT	CC	1940159443
SNP_P1_35685_3235789	NC_021162.1	Ca_kabuli_chr03	3235789	CC	AA	1940159444
SNP_P1_35686_3235799	NC_021162.1	Ca_kabuli_chr03	3235799	CC	AA	1940159445
SNP_P1_35687_3235814	NC_021162.1	Ca_kabuli_chr03	3235814	GG	CC	1940159446
SNP_P1_35688_3235887	NC_021162.1	Ca_kabuli_chr03	3235887	GG	TT	1940159447
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SNP_P1_35690_3253634	NC_021162.1	Ca_kabuli_chr03	3253634	CC	TT	1940159449
SNP_P1_35691_3267134	NC_021162.1	Ca_kabuli_chr03	3267134	TT	GG	1940159450
SNP_P1_35692_3272989	NC_021162.1	Ca_kabuli_chr03	3272989	AA	CC	1940159451
SNP_P1_35694_3277262	NC_021162.1	Ca_kabuli_chr03	3277262	AA	GG	1940159452
SNP_P1_35695_3285604	NC_021162.1	Ca_kabuli_chr03	3285604	CC	TT	1940159453
SNP_P1_35696_3289512	NC_021162.1	Ca_kabuli_chr03	3289512	AA	TT	1940159454
SNP_P1_35697_3289570	NC_021162.1	Ca_kabuli_chr03	3289570	GG	AA	1940159455
SNP_P1_35698_3289590	NC_021162.1	Ca_kabuli_chr03	3289590	TT	GG	1940159456
SNP_P1_35699_3289845	NC_021162.1	Ca_kabuli_chr03	3289845	GG	AA	1940159457
SNP_P1_35700_3289860	NC_021162.1	Ca_kabuli_chr03	3289860	AA	GG	1940159458
SNP_P1_35701_3289890	NC_021162.1	Ca_kabuli_chr03	3289890	TT	CC	1940159459
SNP_P1_35702_3289913	NC_021162.1	Ca_kabuli_chr03	3289913	AA	TT	1940159460
SNP_P1_35703_3289952	NC_021162.1	Ca_kabuli_chr03	3289952	TT	CC	1940159461

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35706_3291688	NC_021162.1	Ca_kabuli_chr03	3291688	GG	AA	1940159465
SNP_P1_35707_3291697	NC_021162.1	Ca_kabuli_chr03	3291697	AA	GG	1940159466
SNP_P1_35708_3291742	NC_021162.1	Ca_kabuli_chr03	3291742	GG	AA	1940159467
SNP_P1_35709_3291746	NC_021162.1	Ca_kabuli_chr03	3291746	CC	TT	1940159468
SNP_P1_35710_3291751	NC_021162.1	Ca_kabuli_chr03	3291751	AA	TT	1940159469
SNP_P1_35711_3291800	NC_021162.1	Ca_kabuli_chr03	3291800	AA	GG	1940159470
SNP_P1_35712_3291802	NC_021162.1	Ca_kabuli_chr03	3291802	AA	GG	1940159471
SNP_P1_35713_3291907	NC_021162.1	Ca_kabuli_chr03	3291907	CC	AA	1940159472
SNP_P1_35714_3292249	NC_021162.1	Ca_kabuli_chr03	3292249	GG	AA	1940159473
SNP_P1_35715_3299519	NC_021162.1	Ca_kabuli_chr03	3299519	AA	GG	1940159474
SNP_P1_35716_3299563	NC_021162.1	Ca_kabuli_chr03	3299563	TT	GG	1940159475
SNP_P1_35717_3299576	NC_021162.1	Ca_kabuli_chr03	3299576	TT	CC	1940159476
SNP_P1_35718_3306450	NC_021162.1	Ca_kabuli_chr03	3306450	AA	GG	1940159477
SNP_P1_35719_3306471	NC_021162.1	Ca_kabuli_chr03	3306471	AA	GG	1940159478
SNP_P1_35720_3306541	NC_021162.1	Ca_kabuli_chr03	3306541	TT	CC	1940159479
SNP_P1_35721_3306567	NC_021162.1	Ca_kabuli_chr03	3306567	AA	GG	1940159480
SNP_P1_35722_3306586	NC_021162.1	Ca_kabuli_chr03	3306586	TT	CC	1940159481
SNP_P1_35724_3333919	NC_021162.1	Ca_kabuli_chr03	3333919	AA	GG	1940159482
SNP_P1_35725_3335885	NC_021162.1	Ca_kabuli_chr03	3335885	CC	AA	1940159483
SNP_P1_35726_3339551	NC_021162.1	Ca_kabuli_chr03	3339551	GG	AA	1940159484
SNP_P1_35727_3339625	NC_021162.1	Ca_kabuli_chr03	3339625	GG	AA	1940159485
SNP_P1_35728_3341152	NC_021162.1	Ca_kabuli_chr03	3341152	AA	GG	1940159486
SNP_P1_35729_3341158	NC_021162.1	Ca_kabuli_chr03	3341158	AA	GG	1940159487
SNP_P1_35730_3342522	NC_021162.1	Ca_kabuli_chr03	3342522	CC	TT	1940159489
SNP_P1_35731_3342566	NC_021162.1	Ca_kabuli_chr03	3342566	GG	AA	1940159490
SNP_P1_35732_3342615	NC_021162.1	Ca_kabuli_chr03	3342615	GG	AA	1940159491
SNP_P1_35733_3342617	NC_021162.1	Ca_kabuli_chr03	3342617	CC	TT	1940159492
SNP_P1_35734_3342618	NC_021162.1	Ca_kabuli_chr03	3342618	GG	TT	1940159493
SNP_P1_35735_3356806	NC_021162.1	Ca_kabuli_chr03	3356806	CC	TT	1940159494
SNP_P1_35736_3356810	NC_021162.1	Ca_kabuli_chr03	3356810	GG	AA	1940159495
SNP_P1_35737_3371952	NC_021162.1	Ca_kabuli_chr03	3371952	AA	GG	1940159496
SNP_P1_35738_3372078	NC_021162.1	Ca_kabuli_chr03	3372078	AA	GG	1940159497
SNP_P1_35739_3377498	NC_021162.1	Ca_kabuli_chr03	3377498	CC	TT	1940159498
SNP_P1_35740_3385175	NC_021162.1	Ca_kabuli_chr03	3385175	TT	GG	1940159499
SNP_P1_35741_3392065	NC_021162.1	Ca_kabuli_chr03	3392065	AA	TT	1940159500
SNP_P1_35743_3399899	NC_021162.1	Ca_kabuli_chr03	3399899	GG	CC	1940159501
SNP_P1_35745_3410615	NC_021162.1	Ca_kabuli_chr03	3410615	TT	CC	1940159502
SNP_P1_35748_3435163	NC_021162.1	Ca_kabuli_chr03	3435163	AA	GG	1940159503
SNP_P1_35749_3447266	NC_021162.1	Ca_kabuli_chr03	3447266	AA	CC	1940159504
SNP_P1_35750_3449815	NC_021162.1	Ca_kabuli_chr03	3449815	AA	TT	1940159505

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35752_3462028	NC_021162.1	Ca_kabuli_chr03	3462028	AA	GG	1940159507
SNP_P1_35753_3477572	NC_021162.1	Ca_kabuli_chr03	3477572	TT	CC	1940159509
SNP_P1_35754_3489550	NC_021162.1	Ca_kabuli_chr03	3489550	TT	GG	1940159510
SNP_P1_35755_3489816	NC_021162.1	Ca_kabuli_chr03	3489816	TT	CC	1940159511
SNP_P1_35756_3490648	NC_021162.1	Ca_kabuli_chr03	3490648	AA	TT	1940159512
SNP_P1_35757_3490651	NC_021162.1	Ca_kabuli_chr03	3490651	TT	CC	1940159513
SNP_P1_35758_3493859	NC_021162.1	Ca_kabuli_chr03	3493859	GG	AA	1940159514
SNP_P1_35759_3494062	NC_021162.1	Ca_kabuli_chr03	3494062	TT	CC	1940159515
SNP_P1_35760_3498562	NC_021162.1	Ca_kabuli_chr03	3498562	GG	AA	1940159516
SNP_P1_35761_3498572	NC_021162.1	Ca_kabuli_chr03	3498572	AA	GG	1940159517
SNP_P1_35762_3500408	NC_021162.1	Ca_kabuli_chr03	3500408	GG	AA	1940159518
SNP_P1_35763_3500414	NC_021162.1	Ca_kabuli_chr03	3500414	AA	CC	1940159519
SNP_P1_35765_3503311	NC_021162.1	Ca_kabuli_chr03	3503311	GG	AA	1940159520
SNP_P1_35766_3503313	NC_021162.1	Ca_kabuli_chr03	3503313	AA	TT	1940159521
SNP_P1_35767_3503317	NC_021162.1	Ca_kabuli_chr03	3503317	GG	CC	1940159522
SNP_P1_35768_3503322	NC_021162.1	Ca_kabuli_chr03	3503322	GG	AA	1940159523
SNP_P1_35769_3503812	NC_021162.1	Ca_kabuli_chr03	3503812	AA	TT	1940159524
SNP_P1_35770_3504430	NC_021162.1	Ca_kabuli_chr03	3504430	GG	TT	1940159525
SNP_P1_35771_3515859	NC_021162.1	Ca_kabuli_chr03	3515859	CC	GG	1940159526
SNP_P1_35772_3517501	NC_021162.1	Ca_kabuli_chr03	3517501	GG	AA	1940159527
SNP_P1_35773_3517564	NC_021162.1	Ca_kabuli_chr03	3517564	AA	TT	1940159528
SNP_P1_35774_3517634	NC_021162.1	Ca_kabuli_chr03	3517634	TT	GG	1940159529
SNP_P1_35775_3517871	NC_021162.1	Ca_kabuli_chr03	3517871	TT	GG	1940159530
SNP_P1_35776_3517913	NC_021162.1	Ca_kabuli_chr03	3517913	GG	AA	1940159531
SNP_P1_35777_3518062	NC_021162.1	Ca_kabuli_chr03	3518062	AA	GG	1940159532
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SNP_P1_35781_3523833	NC_021162.1	Ca_kabuli_chr03	3523833	GG	CC	1940159534
SNP_P1_35783_3531508	NC_021162.1	Ca_kabuli_chr03	3531508	TT	GG	1940159535
SNP_P1_35784_3531542	NC_021162.1	Ca_kabuli_chr03	3531542	TT	GG	1940159536
SNP_P1_35785_3531706	NC_021162.1	Ca_kabuli_chr03	3531706	GG	AA	1940159537
SNP_P1_35786_3531756	NC_021162.1	Ca_kabuli_chr03	3531756	AA	TT	1940159538
SNP_P1_35787_3531801	NC_021162.1	Ca_kabuli_chr03	3531801	AA	GG	1940159539
SNP_P1_35788_3533590	NC_021162.1	Ca_kabuli_chr03	3533590	GG	CC	1940159540
SNP_P1_35789_3535079	NC_021162.1	Ca_kabuli_chr03	3535079	CC	TT	1940159541
SNP_P1_35790_3535366	NC_021162.1	Ca_kabuli_chr03	3535366	AA	GG	1940159542
SNP_P1_35791_3535393	NC_021162.1	Ca_kabuli_chr03	3535393	TT	GG	1940159543
SNP_P1_35792_3535409	NC_021162.1	Ca_kabuli_chr03	3535409	TT	CC	1940159544
SNP_P1_35793_3535646	NC_021162.1	Ca_kabuli_chr03	3535646	GG	CC	1940159546
SNP_P1_35794_3535678	NC_021162.1	Ca_kabuli_chr03	3535678	CC	TT	1940159547
SNP_P1_35795_3535757	NC_021162.1	Ca_kabuli_chr03	3535757	CC	TT	1940159548
SNP_P1_35796_3536846	NC_021162.1	Ca_kabuli_chr03	3536846	AA	TT	1940159549

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35798_3537002	NC_021162.1	Ca_kabuli_chr03	3537002	AA	CC	1940159551
SNP_P1_35799_3537075	NC_021162.1	Ca_kabuli_chr03	3537075	AA	GG	1940159552
SNP_P1_35800_3537147	NC_021162.1	Ca_kabuli_chr03	3537147	GG	CC	1940159553
SNP_P1_35801_3537176	NC_021162.1	Ca_kabuli_chr03	3537176	AA	GG	1940159554
SNP_P1_35802_3537235	NC_021162.1	Ca_kabuli_chr03	3537235	GG	AA	1940159555
SNP_P1_35803_3537311	NC_021162.1	Ca_kabuli_chr03	3537311	TT	CC	1940159556
SNP_P1_35804_3537312	NC_021162.1	Ca_kabuli_chr03	3537312	CC	AA	1940159557
SNP_P1_35805_3537360	NC_021162.1	Ca_kabuli_chr03	3537360	AA	GG	1940159558
SNP_P1_35806_3537405	NC_021162.1	Ca_kabuli_chr03	3537405	CC	TT	1940159559
SNP_P1_35807_3537584	NC_021162.1	Ca_kabuli_chr03	3537584	TT	CC	1940159560
SNP_P1_35808_3537585	NC_021162.1	Ca_kabuli_chr03	3537585	TT	CC	1940159561
SNP_P1_35810_3542315	NC_021162.1	Ca_kabuli_chr03	3542315	TT	GG	1940159562
SNP_P1_35811_3549194	NC_021162.1	Ca_kabuli_chr03	3549194	CC	TT	1940159563
SNP_P1_35812_3555092	NC_021162.1	Ca_kabuli_chr03	3555092	TT	CC	1940159564
SNP_P1_35813_3555799	NC_021162.1	Ca_kabuli_chr03	3555799	GG	TT	1940159565
SNP_P1_35814_3555809	NC_021162.1	Ca_kabuli_chr03	3555809	AA	CC	1940159566
SNP_P1_35816_3570363	NC_021162.1	Ca_kabuli_chr03	3570363	GG	CC	1940159567
SNP_P1_35817_3571122	NC_021162.1	Ca_kabuli_chr03	3571122	CC	TT	1940159568
SNP_P1_35818_3580135	NC_021162.1	Ca_kabuli_chr03	3580135	GG	AA	1940159569
SNP_P1_35819_3580684	NC_021162.1	Ca_kabuli_chr03	3580684	TT	CC	1940159570
SNP_P1_35820_3583168	NC_021162.1	Ca_kabuli_chr03	3583168	CC	AA	1940159571
SNP_P1_35821_3587340	NC_021162.1	Ca_kabuli_chr03	3587340	CC	TT	1940159572
SNP_P1_35822_3597379	NC_021162.1	Ca_kabuli_chr03	3597379	GG	AA	1940159573
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SNP_P1_35824_3617555	NC_021162.1	Ca_kabuli_chr03	3617555	GG	AA	1940159575
SNP_P1_35826_3629354	NC_021162.1	Ca_kabuli_chr03	3629354	CC	TT	1940159576
SNP_P1_35828_3639380	NC_021162.1	Ca_kabuli_chr03	3639380	TT	AA	1940159577
SNP_P1_35829_3639836	NC_021162.1	Ca_kabuli_chr03	3639836	TT	CC	1940159578
SNP_P1_35830_3646793	NC_021162.1	Ca_kabuli_chr03	3646793	AA	GG	1940159579
SNP_P1_35831_3646795	NC_021162.1	Ca_kabuli_chr03	3646795	TT	CC	1940159580
SNP_P1_35832_3649847	NC_021162.1	Ca_kabuli_chr03	3649847	AA	GG	1940159581
SNP_P1_35833_3653517	NC_021162.1	Ca_kabuli_chr03	3653517	CC	TT	1940159582
SNP_P1_35834_3656935	NC_021162.1	Ca_kabuli_chr03	3656935	GG	CC	1940159583
SNP_P1_35836_3674382	NC_021162.1	Ca_kabuli_chr03	3674382	TT	CC	1940159584
SNP_P1_35837_3688411	NC_021162.1	Ca_kabuli_chr03	3688411	CC	AA	1940159585
SNP_P1_35838_3691795	NC_021162.1	Ca_kabuli_chr03	3691795	AA	GG	1940159587
SNP_P1_35839_3700108	NC_021162.1	Ca_kabuli_chr03	3700108	AA	GG	1940159588
SNP_P1_35841_3705433	NC_021162.1	Ca_kabuli_chr03	3705433	AA	GG	1940159589
SNP_P1_35842_3708772	NC_021162.1	Ca_kabuli_chr03	3708772	TT	GG	1940159590
SNP_P1_35844_3725168	NC_021162.1	Ca_kabuli_chr03	3725168	AA	GG	1940159591
SNP_P1_35845_3729319	NC_021162.1	Ca_kabuli_chr03	3729319	TT	GG	1940159592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35847_3730911	NC_021162.1	Ca_kabuli_chr03	3730911	TT	AA	1940159594
SNP_P1_35848_3730962	NC_021162.1	Ca_kabuli_chr03	3730962	TT	CC	1940159595
SNP_P1_35849_3730987	NC_021162.1	Ca_kabuli_chr03	3730987	AA	GG	1940159596
SNP_P1_35851_3731127	NC_021162.1	Ca_kabuli_chr03	3731127	AA	CC	1940159597
SNP_P1_35852_3731404	NC_021162.1	Ca_kabuli_chr03	3731404	AA	CC	1940159598
SNP_P1_35853_3731445	NC_021162.1	Ca_kabuli_chr03	3731445	TT	AA	1940159599
SNP_P1_35854_3731452	NC_021162.1	Ca_kabuli_chr03	3731452	AA	GG	1940159600
SNP_P1_35855_3731466	NC_021162.1	Ca_kabuli_chr03	3731466	TT	AA	1940159601
SNP_P1_35856_3731482	NC_021162.1	Ca_kabuli_chr03	3731482	CC	GG	1940159602
SNP_P1_35857_3734857	NC_021162.1	Ca_kabuli_chr03	3734857	TT	CC	1940159603
SNP_P1_35858_3734918	NC_021162.1	Ca_kabuli_chr03	3734918	TT	CC	1940159604
SNP_P1_35859_3734973	NC_021162.1	Ca_kabuli_chr03	3734973	AA	CC	1940159605
SNP_P1_35860_3735629	NC_021162.1	Ca_kabuli_chr03	3735629	CC	GG	1940159606
SNP_P1_35861_3735853	NC_021162.1	Ca_kabuli_chr03	3735853	CC	AA	1940159607
SNP_P1_35862_3746153	NC_021162.1	Ca_kabuli_chr03	3746153	TT	CC	1940159608
SNP_P1_35863_3754491	NC_021162.1	Ca_kabuli_chr03	3754491	GG	AA	1940159609
SNP_P1_35865_3787239	NC_021162.1	Ca_kabuli_chr03	3787239	AA	TT	1940159610
SNP_P1_35866_3787362	NC_021162.1	Ca_kabuli_chr03	3787362	CC	AA	1940159611
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SNP_P1_35868_3788990	NC_021162.1	Ca_kabuli_chr03	3788990	AA	TT	1940159613
SNP_P1_35869_3788991	NC_021162.1	Ca_kabuli_chr03	3788991	GG	AA	1940159614
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SNP_P1_35871_3795354	NC_021162.1	Ca_kabuli_chr03	3795354	GG	AA	1940159616
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SNP_P1_35876_3804458	NC_021162.1	Ca_kabuli_chr03	3804458	TT	CC	1940159621
SNP_P1_35877_3804516	NC_021162.1	Ca_kabuli_chr03	3804516	CC	TT	1940159622
SNP_P1_35878_3804555	NC_021162.1	Ca_kabuli_chr03	3804555	AA	GG	1940159623
SNP_P1_35879_3804627	NC_021162.1	Ca_kabuli_chr03	3804627	GG	AA	1940159624
SNP_P1_35880_3806579	NC_021162.1	Ca_kabuli_chr03	3806579	CC	TT	1940159625
SNP_P1_35881_3809407	NC_021162.1	Ca_kabuli_chr03	3809407	TT	CC	1940159626
SNP_P1_35883_3818085	NC_021162.1	Ca_kabuli_chr03	3818085	AA	GG	1940159627
SNP_P1_35884_3818120	NC_021162.1	Ca_kabuli_chr03	3818120	AA	GG	1940159628
SNP_P1_35885_3818135	NC_021162.1	Ca_kabuli_chr03	3818135	CC	GG	1940159629
SNP_P1_35886_3820200	NC_021162.1	Ca_kabuli_chr03	3820200	AA	CC	1940159630
SNP_P1_35887_3820269	NC_021162.1	Ca_kabuli_chr03	3820269	TT	GG	1940159631
SNP_P1_35888_3820295	NC_021162.1	Ca_kabuli_chr03	3820295	GG	CC	1940159632
SNP_P1_35889_3820417	NC_021162.1	Ca_kabuli_chr03	3820417	AA	CC	1940159633
SNP_P1_35890_3825755	NC_021162.1	Ca_kabuli_chr03	3825755	CC	GG	1940159634

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_35894_3842231	NC_021162.1	Ca_kabuli_chr03	3842231	GG	TT	1940159638
SNP_P1_35896_3863300	NC_021162.1	Ca_kabuli_chr03	3863300	AA	CC	1940159639
SNP_P1_35897_3866325	NC_021162.1	Ca_kabuli_chr03	3866325	TT	CC	1940159640
SNP_P1_35898_3866326	NC_021162.1	Ca_kabuli_chr03	3866326	AA	GG	1940159641
SNP_P1_35900_3869557	NC_021162.1	Ca_kabuli_chr03	3869557	TT	CC	1940159642
SNP_P1_35904_3884249	NC_021162.1	Ca_kabuli_chr03	3884249	TT	GG	1940159643
SNP_P1_35905_3893929	NC_021162.1	Ca_kabuli_chr03	3893929	TT	CC	1940159644
SNP_P1_35907_3901656	NC_021162.1	Ca_kabuli_chr03	3901656	TT	CC	1940159645
SNP_P1_35908_3918315	NC_021162.1	Ca_kabuli_chr03	3918315	GG	CC	1940159646
SNP_P1_35909_3918452	NC_021162.1	Ca_kabuli_chr03	3918452	TT	AA	1940159647
SNP_P1_35911_3924273	NC_021162.1	Ca_kabuli_chr03	3924273	GG	AA	1940159648
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SNP_P1_35913_3937311	NC_021162.1	Ca_kabuli_chr03	3937311	TT	CC	1940159650
SNP_P1_35914_3943179	NC_021162.1	Ca_kabuli_chr03	3943179	AA	TT	1940159651
SNP_P1_35915_3951763	NC_021162.1	Ca_kabuli_chr03	3951763	TT	GG	1940159652
SNP_P1_35916_3953749	NC_021162.1	Ca_kabuli_chr03	3953749	GG	CC	1940159653
SNP_P1_35917_3962322	NC_021162.1	Ca_kabuli_chr03	3962322	GG	AA	1940159654
SNP_P1_35919_3962965	NC_021162.1	Ca_kabuli_chr03	3962965	GG	AA	1940159655
SNP_P1_35920_3963012	NC_021162.1	Ca_kabuli_chr03	3963012	TT	GG	1940159656
SNP_P1_35921_3963025	NC_021162.1	Ca_kabuli_chr03	3963025	AA	TT	1940159657
SNP_P1_35922_3963159	NC_021162.1	Ca_kabuli_chr03	3963159	TT	CC	1940159658
SNP_P1_35923_3963178	NC_021162.1	Ca_kabuli_chr03	3963178	GG	AA	1940159659
SNP_P1_35924_3963192	NC_021162.1	Ca_kabuli_chr03	3963192	CC	TT	1940159660
SNP_P1_35925_3963202	NC_021162.1	Ca_kabuli_chr03	3963202	AA	GG	1940159661
SNP_P1_35926_3963208	NC_021162.1	Ca_kabuli_chr03	3963208	AA	TT	1940159663
SNP_P1_35927_3963213	NC_021162.1	Ca_kabuli_chr03	3963213	GG	AA	1940159664
SNP_P1_35928_3963246	NC_021162.1	Ca_kabuli_chr03	3963246	CC	TT	1940159665
SNP_P1_35929_3963347	NC_021162.1	Ca_kabuli_chr03	3963347	AA	GG	1940159666
SNP_P1_35930_3963488	NC_021162.1	Ca_kabuli_chr03	3963488	GG	AA	1940159667
SNP_P1_35931_3963493	NC_021162.1	Ca_kabuli_chr03	3963493	AA	GG	1940159668
SNP_P1_35932_3963513	NC_021162.1	Ca_kabuli_chr03	3963513	CC	AA	1940159669
SNP_P1_35933_3963523	NC_021162.1	Ca_kabuli_chr03	3963523	AA	GG	1940159670
SNP_P1_35934_3963585	NC_021162.1	Ca_kabuli_chr03	3963585	AA	GG	1940159671
SNP_P1_35935_3963610	NC_021162.1	Ca_kabuli_chr03	3963610	AA	GG	1940159672
SNP_P1_35936_3963613	NC_021162.1	Ca_kabuli_chr03	3963613	GG	AA	1940159673
SNP_P1_35937_3963624	NC_021162.1	Ca_kabuli_chr03	3963624	AA	GG	1940159674
SNP_P1_35938_3974802	NC_021162.1	Ca_kabuli_chr03	3974802	CC	AA	1940159675
SNP_P1_35939_3974935	NC_021162.1	Ca_kabuli_chr03	3974935	GG	CC	1940159676
SNP_P1_35940_3974947	NC_021162.1	Ca_kabuli_chr03	3974947	AA	CC	1940159677
SNP_P1_35941_3974949	NC_021162.1	Ca_kabuli_chr03	3974949	GG	AA	1940159678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_35942_3977983	NC_021162.1	Ca_kabuli_chr03	3977983	GG	AA	1940159679
SNP_P1_35943_3977987	NC_021162.1	Ca_kabuli_chr03	3977987	AA	GG	1940159680
SNP_P1_35944_3978022	NC_021162.1	Ca_kabuli_chr03	3978022	GG	TT	1940159681
SNP_P1_35945_3981826	NC_021162.1	Ca_kabuli_chr03	3981826	CC	AA	1940159682
SNP_P1_35946_3981974	NC_021162.1	Ca_kabuli_chr03	3981974	CC	TT	1940159683
SNP_P1_35947_3981986	NC_021162.1	Ca_kabuli_chr03	3981986	TT	CC	1940159684
SNP_P1_35948_3982005	NC_021162.1	Ca_kabuli_chr03	3982005	AA	GG	1940159685
SNP_P1_35949_3998057	NC_021162.1	Ca_kabuli_chr03	3998057	CC	TT	1940159686
SNP_P1_35950_3999282	NC_021162.1	Ca_kabuli_chr03	3999282	CC	TT	1940159687
SNP_P1_35952_4006385	NC_021162.1	Ca_kabuli_chr03	4006385	TT	CC	1940159688
SNP_P1_35953_4006386	NC_021162.1	Ca_kabuli_chr03	4006386	TT	GG	1940159689
SNP_P1_35954_4013536	NC_021162.1	Ca_kabuli_chr03	4013536	TT	CC	1940159690
SNP_P1_35955_4017759	NC_021162.1	Ca_kabuli_chr03	4017759	TT	CC	1940159691
SNP_P1_35956_4019213	NC_021162.1	Ca_kabuli_chr03	4019213	AA	GG	1940159692
SNP_P1_35958_4032270	NC_021162.1	Ca_kabuli_chr03	4032270	AA	GG	1940159693
SNP_P1_35959_4034224	NC_021162.1	Ca_kabuli_chr03	4034224	GG	AA	1940159694
SNP_P1_35960_4035964	NC_021162.1	Ca_kabuli_chr03	4035964	AA	GG	1940159695
SNP_P1_35961_4035966	NC_021162.1	Ca_kabuli_chr03	4035966	TT	GG	1940159697
SNP_P1_35962_4036016	NC_021162.1	Ca_kabuli_chr03	4036016	CC	AA	1940159698
SNP_P1_35963_4036026	NC_021162.1	Ca_kabuli_chr03	4036026	AA	GG	1940159699
SNP_P1_35964_4036069	NC_021162.1	Ca_kabuli_chr03	4036069	AA	CC	1940159700
SNP_P1_35965_4036360	NC_021162.1	Ca_kabuli_chr03	4036360	GG	AA	1940159701
SNP_P1_35966_4036369	NC_021162.1	Ca_kabuli_chr03	4036369	CC	AA	1940159702
SNP_P1_35967_4040916	NC_021162.1	Ca_kabuli_chr03	4040916	AA	TT	1940159703
SNP_P1_35968_4041806	NC_021162.1	Ca_kabuli_chr03	4041806	TT	CC	1940159704
SNP_P1_35970_4056392	NC_021162.1	Ca_kabuli_chr03	4056392	GG	AA	1940159705
SNP_P1_35971_4056452	NC_021162.1	Ca_kabuli_chr03	4056452	CC	AA	1940159706
SNP_P1_35972_4056533	NC_021162.1	Ca_kabuli_chr03	4056533	AA	GG	1940159707
SNP_P1_35973_4056660	NC_021162.1	Ca_kabuli_chr03	4056660	TT	CC	1940159708
SNP_P1_35975_4073210	NC_021162.1	Ca_kabuli_chr03	4073210	GG	AA	1940159709
SNP_P1_35976_4073227	NC_021162.1	Ca_kabuli_chr03	4073227	GG	AA	1940159710
SNP_P1_35977_4073241	NC_021162.1	Ca_kabuli_chr03	4073241	TT	CC	1940159711
SNP_P1_35978_4073256	NC_021162.1	Ca_kabuli_chr03	4073256	TT	GG	1940159712
SNP_P1_35979_4073322	NC_021162.1	Ca_kabuli_chr03	4073322	TT	GG	1940159713
SNP_P1_35980_4073324	NC_021162.1	Ca_kabuli_chr03	4073324	GG	AA	1940159714
SNP_P1_35981_4073441	NC_021162.1	Ca_kabuli_chr03	4073441	TT	GG	1940159715
SNP_P1_35983_4076513	NC_021162.1	Ca_kabuli_chr03	4076513	TT	AA	1940159716
SNP_P1_35984_4076534	NC_021162.1	Ca_kabuli_chr03	4076534	AA	TT	1940159717
SNP_P1_35985_4076541	NC_021162.1	Ca_kabuli_chr03	4076541	AA	TT	1940159718
SNP_P1_35987_4098871	NC_021162.1	Ca_kabuli_chr03	4098871	GG	TT	1940159719
SNP_P1_35988_4098876	NC_021162.1	Ca_kabuli_chr03	4098876	GG	AA	1940159720
SNP_P1_35989_4098910	NC_021162.1	Ca_kabuli_chr03	4098910	TT	AA	1940159721

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_35990_4112338	NC_021162.1	Ca_kabuli_chr03	4112338	GG	AA	1940159722
SNP_P1_35991_4116877	NC_021162.1	Ca_kabuli_chr03	4116877	CC	TT	1940159723
SNP_P1_35992_4116885	NC_021162.1	Ca_kabuli_chr03	4116885	TT	CC	1940159724
SNP_P1_35993_4116914	NC_021162.1	Ca_kabuli_chr03	4116914	GG	TT	1940159725
SNP_P1_35994_4128688	NC_021162.1	Ca_kabuli_chr03	4128688	AA	GG	1940159726
SNP_P1_35995_4129168	NC_021162.1	Ca_kabuli_chr03	4129168	TT	CC	1940159727
SNP_P1_35997_4132476	NC_021162.1	Ca_kabuli_chr03	4132476	CC	TT	1940159728
SNP_P1_35998_4150051	NC_021162.1	Ca_kabuli_chr03	4150051	TT	CC	1940159729
SNP_P1_35999_4155186	NC_021162.1	Ca_kabuli_chr03	4155186	GG	CC	1940159730
SNP_P1_36000_4172137	NC_021162.1	Ca_kabuli_chr03	4172137	TT	CC	1940159732
SNP_P1_36001_4172681	NC_021162.1	Ca_kabuli_chr03	4172681	AA	CC	1940159733
SNP_P1_36002_4175158	NC_021162.1	Ca_kabuli_chr03	4175158	TT	CC	1940159734
SNP_P1_36003_4189784	NC_021162.1	Ca_kabuli_chr03	4189784	AA	GG	1940159735
SNP_P1_36005_4200038	NC_021162.1	Ca_kabuli_chr03	4200038	AA	TT	1940159736
SNP_P1_36007_4227637	NC_021162.1	Ca_kabuli_chr03	4227637	GG	AA	1940159737
SNP_P1_36009_4232128	NC_021162.1	Ca_kabuli_chr03	4232128	AA	TT	1940159738
SNP_P1_36010_4232588	NC_021162.1	Ca_kabuli_chr03	4232588	GG	TT	1940159739
SNP_P1_36011_4232899	NC_021162.1	Ca_kabuli_chr03	4232899	CC	GG	1940159740
SNP_P1_36012_4257265	NC_021162.1	Ca_kabuli_chr03	4257265	AA	TT	1940159741
SNP_P1_36013_4264274	NC_021162.1	Ca_kabuli_chr03	4264274	AA	CC	1940159742
SNP_P1_36014_4270915	NC_021162.1	Ca_kabuli_chr03	4270915	GG	AA	1940159743
SNP_P1_36015_4270981	NC_021162.1	Ca_kabuli_chr03	4270981	TT	GG	1940159744
SNP_P1_36016_4271012	NC_021162.1	Ca_kabuli_chr03	4271012	CC	AA	1940159745
SNP_P1_36017_4271956	NC_021162.1	Ca_kabuli_chr03	4271956	TT	CC	1940159746
SNP_P1_36018_4276049	NC_021162.1	Ca_kabuli_chr03	4276049	GG	AA	1940159747
SNP_P1_36019_4282029	NC_021162.1	Ca_kabuli_chr03	4282029	CC	TT	1940159748
SNP_P1_36020_4292337	NC_021162.1	Ca_kabuli_chr03	4292337	TT	CC	1940159749
SNP_P1_36021_4292391	NC_021162.1	Ca_kabuli_chr03	4292391	TT	CC	1940159750
SNP_P1_36022_4292415	NC_021162.1	Ca_kabuli_chr03	4292415	TT	GG	1940159751
SNP_P1_36023_4305358	NC_021162.1	Ca_kabuli_chr03	4305358	TT	GG	1940159752
SNP_P1_36024_4307807	NC_021162.1	Ca_kabuli_chr03	4307807	CC	GG	1940159753
SNP_P1_36025_4307844	NC_021162.1	Ca_kabuli_chr03	4307844	AA	GG	1940159754
SNP_P1_36026_4307880	NC_021162.1	Ca_kabuli_chr03	4307880	TT	CC	1940159755
SNP_P1_36027_4307939	NC_021162.1	Ca_kabuli_chr03	4307939	TT	CC	1940159756
SNP_P1_36028_4360582	NC_021162.1	Ca_kabuli_chr03	4360582	GG	AA	1940159757
SNP_P1_36029_4366125	NC_021162.1	Ca_kabuli_chr03	4366125	TT	CC	1940159758
SNP_P1_36030_4366126	NC_021162.1	Ca_kabuli_chr03	4366126	TT	CC	1940159759
SNP_P1_36031_4368119	NC_021162.1	Ca_kabuli_chr03	4368119	GG	AA	1940159760
SNP_P1_36033_4372559	NC_021162.1	Ca_kabuli_chr03	4372559	AA	GG	1940159761
SNP_P1_36034_4374038	NC_021162.1	Ca_kabuli_chr03	4374038	AA	GG	1940159762
SNP_P1_36035_4376783	NC_021162.1	Ca_kabuli_chr03	4376783	AA	TT	1940159763
SNP_P1_36036_4381971	NC_021162.1	Ca_kabuli_chr03	4381971	TT	CC	1940159764

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_36037_4381973	NC_021162.1	Ca_kabuli_chr03	4381973	AA	GG	1940159766
SNP_P1_36038_4381974	NC_021162.1	Ca_kabuli_chr03	4381974	CC	TT	1940159767
SNP_P1_36039_4385009	NC_021162.1	Ca_kabuli_chr03	4385009	TT	CC	1940159768
SNP_P1_36040_4385381	NC_021162.1	Ca_kabuli_chr03	4385381	CC	TT	1940159769
SNP_P1_36041_4430975	NC_021162.1	Ca_kabuli_chr03	4430975	GG	AA	1940159770
SNP_P1_36043_4504698	NC_021162.1	Ca_kabuli_chr03	4504698	AA	TT	1940159771
SNP_P1_36044_4506753	NC_021162.1	Ca_kabuli_chr03	4506753	TT	CC	1940159772
SNP_P1_36045_4506755	NC_021162.1	Ca_kabuli_chr03	4506755	AA	CC	1940159773
SNP_P1_36046_4506761	NC_021162.1	Ca_kabuli_chr03	4506761	AA	GG	1940159774
SNP_P1_36047_4529708	NC_021162.1	Ca_kabuli_chr03	4529708	AA	GG	1940159775
SNP_P1_36048_4536671	NC_021162.1	Ca_kabuli_chr03	4536671	CC	TT	1940159776
SNP_P1_36049_4536776	NC_021162.1	Ca_kabuli_chr03	4536776	AA	CC	1940159777
SNP_P1_36050_4544315	NC_021162.1	Ca_kabuli_chr03	4544315	TT	CC	1940159778
SNP_P1_36051_4561903	NC_021162.1	Ca_kabuli_chr03	4561903	CC	TT	1940159779
SNP_P1_36052_4566303	NC_021162.1	Ca_kabuli_chr03	4566303	CC	GG	1940159780
SNP_P1_36053_4585085	NC_021162.1	Ca_kabuli_chr03	4585085	AA	GG	1940159781
SNP_P1_36054_4589302	NC_021162.1	Ca_kabuli_chr03	4589302	AA	GG	1940159782
SNP_P1_36055_4589310	NC_021162.1	Ca_kabuli_chr03	4589310	TT	CC	1940159783
SNP_P1_36056_4611065	NC_021162.1	Ca_kabuli_chr03	4611065	AA	CC	1940159784
SNP_P1_36057_4611069	NC_021162.1	Ca_kabuli_chr03	4611069	TT	CC	1940159785
SNP_P1_36058_4611190	NC_021162.1	Ca_kabuli_chr03	4611190	TT	GG	1940159786
SNP_P1_36059_4611494	NC_021162.1	Ca_kabuli_chr03	4611494	AA	GG	1940159787
SNP_P1_36060_4611529	NC_021162.1	Ca_kabuli_chr03	4611529	AA	GG	1940159788
SNP_P1_36061_4611558	NC_021162.1	Ca_kabuli_chr03	4611558	TT	AA	1940159789
SNP_P1_36062_4611571	NC_021162.1	Ca_kabuli_chr03	4611571	TT	AA	1940159790
SNP_P1_36063_4611581	NC_021162.1	Ca_kabuli_chr03	4611581	AA	GG	1940159791
SNP_P1_36064_4611594	NC_021162.1	Ca_kabuli_chr03	4611594	GG	AA	1940159792
SNP_P1_36065_4611605	NC_021162.1	Ca_kabuli_chr03	4611605	CC	TT	1940159793
SNP_P1_36066_4619343	NC_021162.1	Ca_kabuli_chr03	4619343	CC	TT	1940159794
SNP_P1_36067_4619492	NC_021162.1	Ca_kabuli_chr03	4619492	TT	CC	1940159795
SNP_P1_36068_4619695	NC_021162.1	Ca_kabuli_chr03	4619695	TT	CC	1940159796
SNP_P1_36071_4653616	NC_021162.1	Ca_kabuli_chr03	4653616	AA	GG	1940159797
SNP_P1_36072_4667201	NC_021162.1	Ca_kabuli_chr03	4667201	AA	CC	1940159798
SNP_P1_36073_4687968	NC_021162.1	Ca_kabuli_chr03	4687968	TT	GG	1940159799
SNP_P1_36074_4687976	NC_021162.1	Ca_kabuli_chr03	4687976	GG	AA	1940159800
SNP_P1_36075_4687977	NC_021162.1	Ca_kabuli_chr03	4687977	GG	AA	1940159801
SNP_P1_36076_4688005	NC_021162.1	Ca_kabuli_chr03	4688005	TT	GG	1940159802
SNP_P1_36077_4688012	NC_021162.1	Ca_kabuli_chr03	4688012	GG	AA	1940159803
SNP_P1_36078_4688016	NC_021162.1	Ca_kabuli_chr03	4688016	GG	AA	1940159804
SNP_P1_36080_4688117	NC_021162.1	Ca_kabuli_chr03	4688117	GG	AA	1940159805
SNP_P1_36082_4688256	NC_021162.1	Ca_kabuli_chr03	4688256	CC	TT	1940159806
SNP_P1_36083_4688258	NC_021162.1	Ca_kabuli_chr03	4688258	AA	GG	1940159807

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36085_4688327	NC_021162.1	Ca_kabuli_chr03	4688327	TT	GG	1940159809
SNP_P1_36086_4688383	NC_021162.1	Ca_kabuli_chr03	4688383	TT	CC	1940159810
SNP_P1_36087_4688500	NC_021162.1	Ca_kabuli_chr03	4688500	GG	AA	1940159811
SNP_P1_36089_4688709	NC_021162.1	Ca_kabuli_chr03	4688709	GG	TT	1940159812
SNP_P1_36090_4688770	NC_021162.1	Ca_kabuli_chr03	4688770	TT	AA	1940159813
SNP_P1_36091_4688799	NC_021162.1	Ca_kabuli_chr03	4688799	AA	TT	1940159814
SNP_P1_36092_4688866	NC_021162.1	Ca_kabuli_chr03	4688866	AA	TT	1940159815
SNP_P1_36093_4688867	NC_021162.1	Ca_kabuli_chr03	4688867	TT	AA	1940159816
SNP_P1_36094_4688868	NC_021162.1	Ca_kabuli_chr03	4688868	TT	AA	1940159817
SNP_P1_36095_4688885	NC_021162.1	Ca_kabuli_chr03	4688885	AA	GG	1940159818
SNP_P1_36096_4688901	NC_021162.1	Ca_kabuli_chr03	4688901	AA	CC	1940159819
SNP_P1_36097_4688940	NC_021162.1	Ca_kabuli_chr03	4688940	GG	AA	1940159820
SNP_P1_36098_4689021	NC_021162.1	Ca_kabuli_chr03	4689021	CC	TT	1940159821
SNP_P1_36099_4689029	NC_021162.1	Ca_kabuli_chr03	4689029	GG	AA	1940159822
SNP_P1_36100_4689053	NC_021162.1	Ca_kabuli_chr03	4689053	GG	CC	1940159824
SNP_P1_36101_4689098	NC_021162.1	Ca_kabuli_chr03	4689098	GG	AA	1940159825
SNP_P1_36103_4689310	NC_021162.1	Ca_kabuli_chr03	4689310	TT	CC	1940159826
SNP_P1_36105_4701865	NC_021162.1	Ca_kabuli_chr03	4701865	CC	TT	1940159827
SNP_P1_36106_4715024	NC_021162.1	Ca_kabuli_chr03	4715024	AA	GG	1940159828
SNP_P1_36107_4720312	NC_021162.1	Ca_kabuli_chr03	4720312	GG	AA	1940159829
SNP_P1_36108_4720317	NC_021162.1	Ca_kabuli_chr03	4720317	TT	GG	1940159830
SNP_P1_36109_4720319	NC_021162.1	Ca_kabuli_chr03	4720319	AA	CC	1940159831
SNP_P1_36110_4720392	NC_021162.1	Ca_kabuli_chr03	4720392	TT	CC	1940159832
SNP_P1_36111_4720557	NC_021162.1	Ca_kabuli_chr03	4720557	CC	AA	1940159833
SNP_P1_36112_4720743	NC_021162.1	Ca_kabuli_chr03	4720743	GG	TT	1940159834
SNP_P1_36113_4725321	NC_021162.1	Ca_kabuli_chr03	4725321	TT	CC	1940159835
SNP_P1_36114_4725327	NC_021162.1	Ca_kabuli_chr03	4725327	TT	CC	1940159836
SNP_P1_36115_4735155	NC_021162.1	Ca_kabuli_chr03	4735155	CC	GG	1940159837
SNP_P1_36116_4735843	NC_021162.1	Ca_kabuli_chr03	4735843	GG	AA	1940159838
SNP_P1_36117_4737432	NC_021162.1	Ca_kabuli_chr03	4737432	AA	TT	1940159839
SNP_P1_36118_4750562	NC_021162.1	Ca_kabuli_chr03	4750562	TT	CC	1940159840
SNP_P1_36119_4755090	NC_021162.1	Ca_kabuli_chr03	4755090	AA	GG	1940159841
SNP_P1_36120_4755129	NC_021162.1	Ca_kabuli_chr03	4755129	GG	AA	1940159842
SNP_P1_36121_4774765	NC_021162.1	Ca_kabuli_chr03	4774765	AA	GG	1940159843
SNP_P1_36122_4780242	NC_021162.1	Ca_kabuli_chr03	4780242	TT	CC	1940159844
SNP_P1_36123_4783877	NC_021162.1	Ca_kabuli_chr03	4783877	CC	TT	1940159845
SNP_P1_36124_4787573	NC_021162.1	Ca_kabuli_chr03	4787573	AA	GG	1940159846
SNP_P1_36125_4787576	NC_021162.1	Ca_kabuli_chr03	4787576	AA	GG	1940159847
SNP_P1_36126_4787661	NC_021162.1	Ca_kabuli_chr03	4787661	GG	AA	1940159848
SNP_P1_36127_4788999	NC_021162.1	Ca_kabuli_chr03	4788999	AA	GG	1940159849
SNP_P1_36128_4789424	NC_021162.1	Ca_kabuli_chr03	4789424	AA	TT	1940159850

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36130_4789569	NC_021162.1	Ca_kabuli_chr03	4789569	AA	CC	1940159852
SNP_P1_36131_4792964	NC_021162.1	Ca_kabuli_chr03	4792964	TT	CC	1940159853
SNP_P1_36134_4825890	NC_021162.1	Ca_kabuli_chr03	4825890	TT	CC	1940159854
SNP_P1_36135_4845876	NC_021162.1	Ca_kabuli_chr03	4845876	GG	AA	1940159855
SNP_P1_36136_4846787	NC_021162.1	Ca_kabuli_chr03	4846787	AA	GG	1940159856
SNP_P1_36138_4863917	NC_021162.1	Ca_kabuli_chr03	4863917	GG	TT	1940159857
SNP_P1_36139_4864985	NC_021162.1	Ca_kabuli_chr03	4864985	GG	AA	1940159859
SNP_P1_36140_4865049	NC_021162.1	Ca_kabuli_chr03	4865049	CC	TT	1940159860
SNP_P1_36141_4867233	NC_021162.1	Ca_kabuli_chr03	4867233	TT	AA	1940159861
SNP_P1_36142_4867693	NC_021162.1	Ca_kabuli_chr03	4867693	CC	GG	1940159862
SNP_P1_36143_4887085	NC_021162.1	Ca_kabuli_chr03	4887085	GG	AA	1940159863
SNP_P1_36144_4897376	NC_021162.1	Ca_kabuli_chr03	4897376	AA	TT	1940159864
SNP_P1_36146_4904309	NC_021162.1	Ca_kabuli_chr03	4904309	AA	TT	1940159865
SNP_P1_36149_4941531	NC_021162.1	Ca_kabuli_chr03	4941531	GG	AA	1940159866
SNP_P1_36150_4942896	NC_021162.1	Ca_kabuli_chr03	4942896	TT	AA	1940159867
SNP_P1_36151_4942910	NC_021162.1	Ca_kabuli_chr03	4942910	TT	GG	1940159868
SNP_P1_36152_4942920	NC_021162.1	Ca_kabuli_chr03	4942920	AA	TT	1940159869
SNP_P1_36153_4945252	NC_021162.1	Ca_kabuli_chr03	4945252	CC	TT	1940159870
SNP_P1_36154_4945447	NC_021162.1	Ca_kabuli_chr03	4945447	GG	AA	1940159871
SNP_P1_36155_4945448	NC_021162.1	Ca_kabuli_chr03	4945448	TT	CC	1940159872
SNP_P1_36156_4945865	NC_021162.1	Ca_kabuli_chr03	4945865	TT	CC	1940159873
SNP_P1_36157_4946277	NC_021162.1	Ca_kabuli_chr03	4946277	TT	CC	1940159874
SNP_P1_36158_4951868	NC_021162.1	Ca_kabuli_chr03	4951868	TT	GG	1940159875
SNP_P1_36159_4952174	NC_021162.1	Ca_kabuli_chr03	4952174	AA	CC	1940159876
SNP_P1_36160_4952236	NC_021162.1	Ca_kabuli_chr03	4952236	GG	AA	1940159877
SNP_P1_36161_4954598	NC_021162.1	Ca_kabuli_chr03	4954598	AA	GG	1940159878
SNP_P1_36162_4954698	NC_021162.1	Ca_kabuli_chr03	4954698	CC	TT	1940159879
SNP_P1_36163_4955404	NC_021162.1	Ca_kabuli_chr03	4955404	CC	TT	1940159880
SNP_P1_36164_4955564	NC_021162.1	Ca_kabuli_chr03	4955564	TT	CC	1940159881
SNP_P1_36165_4957784	NC_021162.1	Ca_kabuli_chr03	4957784	GG	TT	1940159882
SNP_P1_36166_4958809	NC_021162.1	Ca_kabuli_chr03	4958809	GG	AA	1940159883
SNP_P1_36167_4958824	NC_021162.1	Ca_kabuli_chr03	4958824	AA	GG	1940159884
SNP_P1_36168_4958853	NC_021162.1	Ca_kabuli_chr03	4958853	TT	CC	1940159885
SNP_P1_36169_4958948	NC_021162.1	Ca_kabuli_chr03	4958948	TT	CC	1940159886
SNP_P1_36170_4962772	NC_021162.1	Ca_kabuli_chr03	4962772	TT	CC	1940159887
SNP_P1_36171_4962805	NC_021162.1	Ca_kabuli_chr03	4962805	CC	AA	1940159888
SNP_P1_36172_4962904	NC_021162.1	Ca_kabuli_chr03	4962904	AA	TT	1940159889
SNP_P1_36173_4962915	NC_021162.1	Ca_kabuli_chr03	4962915	TT	GG	1940159890
SNP_P1_36174_4962971	NC_021162.1	Ca_kabuli_chr03	4962971	AA	GG	1940159892
SNP_P1_36175_4962973	NC_021162.1	Ca_kabuli_chr03	4962973	AA	GG	1940159893
SNP_P1_36176_4963182	NC_021162.1	Ca_kabuli_chr03	4963182	CC	TT	1940159894

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36178_4963309	NC_021162.1	Ca_kabuli_chr03	4963309	AA	CC	1940159896
SNP_P1_36179_4963335	NC_021162.1	Ca_kabuli_chr03	4963335	GG	AA	1940159897
SNP_P1_36180_4964707	NC_021162.1	Ca_kabuli_chr03	4964707	TT	CC	1940159898
SNP_P1_36181_4964980	NC_021162.1	Ca_kabuli_chr03	4964980	GG	AA	1940159899
SNP_P1_36182_4964990	NC_021162.1	Ca_kabuli_chr03	4964990	CC	TT	1940159900
SNP_P1_36183_4964991	NC_021162.1	Ca_kabuli_chr03	4964991	CC	TT	1940159901
SNP_P1_36184_4965048	NC_021162.1	Ca_kabuli_chr03	4965048	GG	AA	1940159902
SNP_P1_36185_4965187	NC_021162.1	Ca_kabuli_chr03	4965187	AA	CC	1940159903
SNP_P1_36186_4965188	NC_021162.1	Ca_kabuli_chr03	4965188	CC	AA	1940159904
SNP_P1_36187_4965286	NC_021162.1	Ca_kabuli_chr03	4965286	AA	TT	1940159905
SNP_P1_36188_4965332	NC_021162.1	Ca_kabuli_chr03	4965332	TT	CC	1940159906
SNP_P1_36190_4965561	NC_021162.1	Ca_kabuli_chr03	4965561	AA	TT	1940159907
SNP_P1_36192_4965643	NC_021162.1	Ca_kabuli_chr03	4965643	AA	TT	1940159908
SNP_P1_36193_4965646	NC_021162.1	Ca_kabuli_chr03	4965646	AA	TT	1940159909
SNP_P1_36194_4965648	NC_021162.1	Ca_kabuli_chr03	4965648	AA	CC	1940159910
SNP_P1_36195_4965669	NC_021162.1	Ca_kabuli_chr03	4965669	AA	GG	1940159911
SNP_P1_36196_4965678	NC_021162.1	Ca_kabuli_chr03	4965678	TT	AA	1940159912
SNP_P1_36197_4965689	NC_021162.1	Ca_kabuli_chr03	4965689	TT	CC	1940159913
SNP_P1_36198_4965750	NC_021162.1	Ca_kabuli_chr03	4965750	AA	GG	1940159914
SNP_P1_36199_4965771	NC_021162.1	Ca_kabuli_chr03	4965771	CC	AA	1940159915
SNP_P1_36200_4965813	NC_021162.1	Ca_kabuli_chr03	4965813	TT	AA	1940159916
SNP_P1_36201_4965915	NC_021162.1	Ca_kabuli_chr03	4965915	CC	TT	1940159917
SNP_P1_36202_4965982	NC_021162.1	Ca_kabuli_chr03	4965982	CC	TT	1940159919
SNP_P1_36204_4966188	NC_021162.1	Ca_kabuli_chr03	4966188	CC	TT	1940159920
SNP_P1_36205_4966809	NC_021162.1	Ca_kabuli_chr03	4966809	AA	CC	1940159921
SNP_P1_36206_4966928	NC_021162.1	Ca_kabuli_chr03	4966928	TT	CC	1940159922
SNP_P1_36208_4975135	NC_021162.1	Ca_kabuli_chr03	4975135	CC	TT	1940159923
SNP_P1_36210_4975317	NC_021162.1	Ca_kabuli_chr03	4975317	TT	CC	1940159924
SNP_P1_36211_4975467	NC_021162.1	Ca_kabuli_chr03	4975467	AA	GG	1940159925
SNP_P1_36212_4976629	NC_021162.1	Ca_kabuli_chr03	4976629	TT	CC	1940159926
SNP_P1_36213_4976978	NC_021162.1	Ca_kabuli_chr03	4976978	AA	GG	1940159927
SNP_P1_36215_5014089	NC_021162.1	Ca_kabuli_chr03	5014089	GG	AA	1940159928
SNP_P1_36216_5033167	NC_021162.1	Ca_kabuli_chr03	5033167	CC	GG	1940159929
SNP_P1_36217_5050524	NC_021162.1	Ca_kabuli_chr03	5050524	TT	CC	1940159930
SNP_P1_36219_5073541	NC_021162.1	Ca_kabuli_chr03	5073541	TT	CC	1940159931
SNP_P1_36220_5094818	NC_021162.1	Ca_kabuli_chr03	5094818	AA	GG	1940159932
SNP_P1_36221_5095174	NC_021162.1	Ca_kabuli_chr03	5095174	GG	AA	1940159933
SNP_P1_36222_5095226	NC_021162.1	Ca_kabuli_chr03	5095226	TT	AA	1940159935
SNP_P1_36223_5098067	NC_021162.1	Ca_kabuli_chr03	5098067	AA	GG	1940159936
SNP_P1_36224_5100186	NC_021162.1	Ca_kabuli_chr03	5100186	GG	TT	1940159937
SNP_P1_36225_5115910	NC_021162.1	Ca_kabuli_chr03	5115910	AA	GG	1940159938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36227_5141777	NC_021162.1	Ca_kabuli_chr03	5141777	GG	AA	1940159940
SNP_P1_36228_5141778	NC_021162.1	Ca_kabuli_chr03	5141778	TT	CC	1940159941
SNP_P1_36229_5156348	NC_021162.1	Ca_kabuli_chr03	5156348	AA	GG	1940159942
SNP_P1_36230_5169669	NC_021162.1	Ca_kabuli_chr03	5169669	TT	CC	1940159943
SNP_P1_36232_5229745	NC_021162.1	Ca_kabuli_chr03	5229745	GG	AA	1940159944
SNP_P1_36234_5246303	NC_021162.1	Ca_kabuli_chr03	5246303	GG	TT	1940159945
SNP_P1_36235_5247626	NC_021162.1	Ca_kabuli_chr03	5247626	AA	TT	1940159946
SNP_P1_36236_5247628	NC_021162.1	Ca_kabuli_chr03	5247628	TT	AA	1940159947
SNP_P1_36238_5270108	NC_021162.1	Ca_kabuli_chr03	5270108	AA	GG	1940159948
SNP_P1_36240_5270131	NC_021162.1	Ca_kabuli_chr03	5270131	TT	CC	1940159949
SNP_P1_36241_5270241	NC_021162.1	Ca_kabuli_chr03	5270241	TT	GG	1940159950
SNP_P1_36242_5270290	NC_021162.1	Ca_kabuli_chr03	5270290	AA	GG	1940159951
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SNP_P1_36244_5270306	NC_021162.1	Ca_kabuli_chr03	5270306	AA	TT	1940159953
SNP_P1_36245_5270398	NC_021162.1	Ca_kabuli_chr03	5270398	TT	AA	1940159954
SNP_P1_36246_5270439	NC_021162.1	Ca_kabuli_chr03	5270439	CC	TT	1940159955
SNP_P1_36248_5270648	NC_021162.1	Ca_kabuli_chr03	5270648	CC	GG	1940159956
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SNP_P1_36251_5274027	NC_021162.1	Ca_kabuli_chr03	5274027	GG	AA	1940159960
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SNP_P1_36253_5274102	NC_021162.1	Ca_kabuli_chr03	5274102	AA	GG	1940159962
SNP_P1_36254_5274114	NC_021162.1	Ca_kabuli_chr03	5274114	AA	TT	1940159963
SNP_P1_36255_5274147	NC_021162.1	Ca_kabuli_chr03	5274147	TT	CC	1940159964
SNP_P1_36256_5274156	NC_021162.1	Ca_kabuli_chr03	5274156	AA	GG	1940159965
SNP_P1_36257_5274178	NC_021162.1	Ca_kabuli_chr03	5274178	TT	CC	1940159966
SNP_P1_36258_5274192	NC_021162.1	Ca_kabuli_chr03	5274192	AA	GG	1940159967
SNP_P1_36259_5274198	NC_021162.1	Ca_kabuli_chr03	5274198	AA	GG	1940159968
SNP_P1_36260_5274204	NC_021162.1	Ca_kabuli_chr03	5274204	TT	CC	1940159969
SNP_P1_36261_5274210	NC_021162.1	Ca_kabuli_chr03	5274210	TT	AA	1940159970
SNP_P1_36262_5274216	NC_021162.1	Ca_kabuli_chr03	5274216	AA	CC	1940159971
SNP_P1_36263_5274225	NC_021162.1	Ca_kabuli_chr03	5274225	TT	CC	1940159972
SNP_P1_36264_5274231	NC_021162.1	Ca_kabuli_chr03	5274231	TT	AA	1940159973
SNP_P1_36265_5274249	NC_021162.1	Ca_kabuli_chr03	5274249	AA	GG	1940159974
SNP_P1_36266_5274255	NC_021162.1	Ca_kabuli_chr03	5274255	CC	AA	1940159975
SNP_P1_36267_5274261	NC_021162.1	Ca_kabuli_chr03	5274261	CC	TT	1940159976
SNP_P1_36268_5274267	NC_021162.1	Ca_kabuli_chr03	5274267	TT	AA	1940159977
SNP_P1_36270_5274291	NC_021162.1	Ca_kabuli_chr03	5274291	TT	GG	1940159978
SNP_P1_36271_5274303	NC_021162.1	Ca_kabuli_chr03	5274303	TT	AA	1940159979
SNP_P1_36272_5274318	NC_021162.1	Ca_kabuli_chr03	5274318	TT	AA	1940159980
SNP_P1_36273_5274330	NC_021162.1	Ca_kabuli_chr03	5274330	TT	CC	1940159981

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36275_5274366	NC_021162.1	Ca_kabuli_chr03	5274366	AA	GG	1940159983
SNP_P1_36276_5274396	NC_021162.1	Ca_kabuli_chr03	5274396	GG	AA	1940159984
SNP_P1_36277_5274404	NC_021162.1	Ca_kabuli_chr03	5274404	AA	CC	1940159985
SNP_P1_36278_5274411	NC_021162.1	Ca_kabuli_chr03	5274411	TT	CC	1940159986
SNP_P1_36279_5274423	NC_021162.1	Ca_kabuli_chr03	5274423	CC	TT	1940159987
SNP_P1_36280_5274428	NC_021162.1	Ca_kabuli_chr03	5274428	TT	CC	1940159988
SNP_P1_36281_5274429	NC_021162.1	Ca_kabuli_chr03	5274429	AA	TT	1940159989
SNP_P1_36282_5274444	NC_021162.1	Ca_kabuli_chr03	5274444	CC	TT	1940159990
SNP_P1_36283_5274450	NC_021162.1	Ca_kabuli_chr03	5274450	CC	AA	1940159991
SNP_P1_36284_5274453	NC_021162.1	Ca_kabuli_chr03	5274453	TT	CC	1940159992
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SNP_P1_36290_5276611	NC_021162.1	Ca_kabuli_chr03	5276611	TT	AA	1940159998
SNP_P1_36291_5276615	NC_021162.1	Ca_kabuli_chr03	5276615	TT	GG	1940159999
SNP_P1_36292_5276621	NC_021162.1	Ca_kabuli_chr03	5276621	TT	CC	1940160000
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SNP_P1_36303_5281706	NC_021162.1	Ca_kabuli_chr03	5281706	TT	AA	1940160012
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SNP_P1_36308_5285617	NC_021162.1	Ca_kabuli_chr03	5285617	CC	TT	1940160017
SNP_P1_36309_5285637	NC_021162.1	Ca_kabuli_chr03	5285637	GG	AA	1940160018
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SNP_P1_36312_5285793	NC_021162.1	Ca_kabuli_chr03	5285793	TT	CC	1940160021
SNP_P1_36313_5285804	NC_021162.1	Ca_kabuli_chr03	5285804	GG	CC	1940160022
SNP_P1_36314_5285820	NC_021162.1	Ca_kabuli_chr03	5285820	GG	CC	1940160023
SNP_P1_36315_5285854	NC_021162.1	Ca_kabuli_chr03	5285854	AA	GG	1940160024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36318_5285933	NC_021162.1	Ca_kabuli_chr03	5285933	CC	AA	1940160027
SNP_P1_36319_5286108	NC_021162.1	Ca_kabuli_chr03	5286108	TT	CC	1940160028
SNP_P1_36320_5286136	NC_021162.1	Ca_kabuli_chr03	5286136	AA	GG	1940160029
SNP_P1_36322_5287426	NC_021162.1	Ca_kabuli_chr03	5287426	AA	TT	1940160030
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SNP_P1_36327_5287564	NC_021162.1	Ca_kabuli_chr03	5287564	GG	AA	1940160035
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SNP_P1_36332_5287691	NC_021162.1	Ca_kabuli_chr03	5287691	AA	GG	1940160040
SNP_P1_36333_5287699	NC_021162.1	Ca_kabuli_chr03	5287699	CC	TT	1940160041
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SNP_P1_36336_5288165	NC_021162.1	Ca_kabuli_chr03	5288165	GG	CC	1940160043
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SNP_P1_36340_5288461	NC_021162.1	Ca_kabuli_chr03	5288461	CC	GG	1940160047
SNP_P1_36341_5288462	NC_021162.1	Ca_kabuli_chr03	5288462	CC	AA	1940160048
SNP_P1_36342_5288474	NC_021162.1	Ca_kabuli_chr03	5288474	AA	GG	1940160050
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SNP_P1_36346_5292269	NC_021162.1	Ca_kabuli_chr03	5292269	AA	GG	1940160054
SNP_P1_36347_5292280	NC_021162.1	Ca_kabuli_chr03	5292280	GG	AA	1940160055
SNP_P1_36348_5304566	NC_021162.1	Ca_kabuli_chr03	5304566	CC	TT	1940160056
SNP_P1_36349_5304963	NC_021162.1	Ca_kabuli_chr03	5304963	GG	AA	1940160057
SNP_P1_36350_5340461	NC_021162.1	Ca_kabuli_chr03	5340461	AA	GG	1940160058
SNP_P1_36351_5340504	NC_021162.1	Ca_kabuli_chr03	5340504	AA	GG	1940160059
SNP_P1_36352_5340847	NC_021162.1	Ca_kabuli_chr03	5340847	TT	CC	1940160060
SNP_P1_36353_5340872	NC_021162.1	Ca_kabuli_chr03	5340872	GG	AA	1940160061
SNP_P1_36354_5340876	NC_021162.1	Ca_kabuli_chr03	5340876	AA	GG	1940160062
SNP_P1_36355_5340951	NC_021162.1	Ca_kabuli_chr03	5340951	TT	GG	1940160063
SNP_P1_36356_5343950	NC_021162.1	Ca_kabuli_chr03	5343950	CC	TT	1940160064
SNP_P1_36357_5344680	NC_021162.1	Ca_kabuli_chr03	5344680	GG	AA	1940160065
SNP_P1_36359_5376174	NC_021162.1	Ca_kabuli_chr03	5376174	AA	GG	1940160066
SNP_P1_36360_5458141	NC_021162.1	Ca_kabuli_chr03	5458141	AA	GG	1940160067

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_36361_5460078	NC_021162.1	Ca_kabuli_chr03	5460078	GG	AA	1940160068
SNP_P1_36362_5463386	NC_021162.1	Ca_kabuli_chr03	5463386	GG	AA	1940160069
SNP_P1_36363_5468473	NC_021162.1	Ca_kabuli_chr03	5468473	AA	TT	1940160070
SNP_P1_36364_5481994	NC_021162.1	Ca_kabuli_chr03	5481994	TT	CC	1940160071
SNP_P1_36366_5492250	NC_021162.1	Ca_kabuli_chr03	5492250	AA	CC	1940160072
SNP_P1_36367_5494578	NC_021162.1	Ca_kabuli_chr03	5494578	AA	CC	1940160073
SNP_P1_36368_5494755	NC_021162.1	Ca_kabuli_chr03	5494755	GG	CC	1940160074
SNP_P1_36369_5502027	NC_021162.1	Ca_kabuli_chr03	5502027	AA	CC	1940160075
SNP_P1_36371_5507649	NC_021162.1	Ca_kabuli_chr03	5507649	TT	AA	1940160076
SNP_P1_36372_5507659	NC_021162.1	Ca_kabuli_chr03	5507659	CC	TT	1940160077
SNP_P1_36373_5507725	NC_021162.1	Ca_kabuli_chr03	5507725	GG	AA	1940160078
SNP_P1_36375_5507850	NC_021162.1	Ca_kabuli_chr03	5507850	AA	GG	1940160079
SNP_P1_36376_5507946	NC_021162.1	Ca_kabuli_chr03	5507946	AA	CC	1940160080
SNP_P1_36377_5508035	NC_021162.1	Ca_kabuli_chr03	5508035	GG	TT	1940160081
SNP_P1_36378_5508197	NC_021162.1	Ca_kabuli_chr03	5508197	TT	CC	1940160082
SNP_P1_36379_5508318	NC_021162.1	Ca_kabuli_chr03	5508318	AA	GG	1940160084
SNP_P1_36380_5508644	NC_021162.1	Ca_kabuli_chr03	5508644	GG	CC	1940160085
SNP_P1_36381_5508692	NC_021162.1	Ca_kabuli_chr03	5508692	AA	TT	1940160086
SNP_P1_36382_5508709	NC_021162.1	Ca_kabuli_chr03	5508709	AA	TT	1940160087
SNP_P1_36383_5509903	NC_021162.1	Ca_kabuli_chr03	5509903	GG	AA	1940160088
SNP_P1_36384_5509906	NC_021162.1	Ca_kabuli_chr03	5509906	TT	CC	1940160089
SNP_P1_36385_5509907	NC_021162.1	Ca_kabuli_chr03	5509907	AA	GG	1940160090
SNP_P1_36386_5509909	NC_021162.1	Ca_kabuli_chr03	5509909	GG	TT	1940160091
SNP_P1_36387_5509936	NC_021162.1	Ca_kabuli_chr03	5509936	AA	GG	1940160092
SNP_P1_36388_5510138	NC_021162.1	Ca_kabuli_chr03	5510138	AA	GG	1940160093
SNP_P1_36389_5510172	NC_021162.1	Ca_kabuli_chr03	5510172	TT	GG	1940160094
SNP_P1_36390_5510189	NC_021162.1	Ca_kabuli_chr03	5510189	GG	AA	1940160095
SNP_P1_36391_5510205	NC_021162.1	Ca_kabuli_chr03	5510205	GG	TT	1940160096
SNP_P1_36392_5510238	NC_021162.1	Ca_kabuli_chr03	5510238	TT	CC	1940160097
SNP_P1_36393_5516497	NC_021162.1	Ca_kabuli_chr03	5516497	GG	TT	1940160098
SNP_P1_36395_5516811	NC_021162.1	Ca_kabuli_chr03	5516811	GG	AA	1940160099
SNP_P1_36396_5516814	NC_021162.1	Ca_kabuli_chr03	5516814	TT	AA	1940160100
SNP_P1_36398_5546595	NC_021162.1	Ca_kabuli_chr03	5546595	CC	TT	1940160101
SNP_P1_36399_5549802	NC_021162.1	Ca_kabuli_chr03	5549802	TT	AA	1940160102
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SNP_P1_36402_5588724	NC_021162.1	Ca_kabuli_chr03	5588724	GG	TT	1940160104
SNP_P1_36403_5588739	NC_021162.1	Ca_kabuli_chr03	5588739	TT	AA	1940160105
SNP_P1_36404_5588765	NC_021162.1	Ca_kabuli_chr03	5588765	CC	TT	1940160106
SNP_P1_36406_5622296	NC_021162.1	Ca_kabuli_chr03	5622296	AA	CC	1940160107
SNP_P1_36407_5633013	NC_021162.1	Ca_kabuli_chr03	5633013	TT	AA	1940160108
SNP_P1_36408_5635740	NC_021162.1	Ca_kabuli_chr03	5635740	AA	GG	1940160109
SNP_P1_36409_5637283	NC_021162.1	Ca_kabuli_chr03	5637283	CC	TT	1940160110

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36411_5637634	NC_021162.1	Ca_kabuli_chr03	5637634	CC	GG	1940160112
SNP_P1_36412_5637675	NC_021162.1	Ca_kabuli_chr03	5637675	AA	TT	1940160113
SNP_P1_36413_5637745	NC_021162.1	Ca_kabuli_chr03	5637745	AA	GG	1940160114
SNP_P1_36414_5637769	NC_021162.1	Ca_kabuli_chr03	5637769	CC	AA	1940160115
SNP_P1_36415_5647513	NC_021162.1	Ca_kabuli_chr03	5647513	GG	AA	1940160116
SNP_P1_36416_5658317	NC_021162.1	Ca_kabuli_chr03	5658317	GG	AA	1940160117
SNP_P1_36418_5687388	NC_021162.1	Ca_kabuli_chr03	5687388	CC	TT	1940160118
SNP_P1_36419_5689031	NC_021162.1	Ca_kabuli_chr03	5689031	TT	CC	1940160119
SNP_P1_36420_5689050	NC_021162.1	Ca_kabuli_chr03	5689050	CC	TT	1940160120
SNP_P1_36422_5689357	NC_021162.1	Ca_kabuli_chr03	5689357	TT	CC	1940160121
SNP_P1_36423_5689359	NC_021162.1	Ca_kabuli_chr03	5689359	AA	GG	1940160122
SNP_P1_36424_5689694	NC_021162.1	Ca_kabuli_chr03	5689694	AA	GG	1940160123
SNP_P1_36426_5692240	NC_021162.1	Ca_kabuli_chr03	5692240	TT	AA	1940160124
SNP_P1_36427_5692263	NC_021162.1	Ca_kabuli_chr03	5692263	TT	CC	1940160125
SNP_P1_36428_5692267	NC_021162.1	Ca_kabuli_chr03	5692267	TT	CC	1940160126
SNP_P1_36429_5692283	NC_021162.1	Ca_kabuli_chr03	5692283	GG	AA	1940160127
SNP_P1_36430_5692325	NC_021162.1	Ca_kabuli_chr03	5692325	TT	CC	1940160129
SNP_P1_36432_5692466	NC_021162.1	Ca_kabuli_chr03	5692466	TT	CC	1940160130
SNP_P1_36433_5692468	NC_021162.1	Ca_kabuli_chr03	5692468	GG	AA	1940160131
SNP_P1_36434_5692527	NC_021162.1	Ca_kabuli_chr03	5692527	CC	TT	1940160132
SNP_P1_36435_5693752	NC_021162.1	Ca_kabuli_chr03	5693752	AA	GG	1940160133
SNP_P1_36436_5704001	NC_021162.1	Ca_kabuli_chr03	5704001	TT	GG	1940160134
SNP_P1_36437_5707794	NC_021162.1	Ca_kabuli_chr03	5707794	TT	CC	1940160135
SNP_P1_36438_5716134	NC_021162.1	Ca_kabuli_chr03	5716134	AA	CC	1940160136
SNP_P1_36439_5716270	NC_021162.1	Ca_kabuli_chr03	5716270	AA	GG	1940160137
SNP_P1_36440_5716306	NC_021162.1	Ca_kabuli_chr03	5716306	AA	TT	1940160138
SNP_P1_36441_5716315	NC_021162.1	Ca_kabuli_chr03	5716315	AA	CC	1940160139
SNP_P1_36442_5717226	NC_021162.1	Ca_kabuli_chr03	5717226	GG	AA	1940160140
SNP_P1_36443_5717960	NC_021162.1	Ca_kabuli_chr03	5717960	TT	CC	1940160141
SNP_P1_36444_5717996	NC_021162.1	Ca_kabuli_chr03	5717996	TT	AA	1940160142
SNP_P1_36445_5718300	NC_021162.1	Ca_kabuli_chr03	5718300	AA	CC	1940160143
SNP_P1_36446_5730063	NC_021162.1	Ca_kabuli_chr03	5730063	CC	TT	1940160144
SNP_P1_36447_5754568	NC_021162.1	Ca_kabuli_chr03	5754568	CC	TT	1940160145
SNP_P1_36449_5777027	NC_021162.1	Ca_kabuli_chr03	5777027	AA	GG	1940160146
SNP_P1_36450_5784279	NC_021162.1	Ca_kabuli_chr03	5784279	GG	CC	1940160147
SNP_P1_36451_5784289	NC_021162.1	Ca_kabuli_chr03	5784289	TT	CC	1940160148
SNP_P1_36452_5784291	NC_021162.1	Ca_kabuli_chr03	5784291	GG	TT	1940160149
SNP_P1_36453_5796850	NC_021162.1	Ca_kabuli_chr03	5796850	GG	AA	1940160150
SNP_P1_36454_5797299	NC_021162.1	Ca_kabuli_chr03	5797299	GG	AA	1940160151
SNP_P1_36455_5804788	NC_021162.1	Ca_kabuli_chr03	5804788	TT	AA	1940160152
SNP_P1_36456_5804806	NC_021162.1	Ca_kabuli_chr03	5804806	CC	AA	1940160153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36458_5805019	NC_021162.1	Ca_kabuli_chr03	5805019	AA	TT	1940160155
SNP_P1_36459_5805133	NC_021162.1	Ca_kabuli_chr03	5805133	AA	TT	1940160156
SNP_P1_36460_5805214	NC_021162.1	Ca_kabuli_chr03	5805214	CC	TT	1940160157
SNP_P1_36463_5822850	NC_021162.1	Ca_kabuli_chr03	5822850	GG	CC	1940160158
SNP_P1_36464_5830874	NC_021162.1	Ca_kabuli_chr03	5830874	CC	TT	1940160159
SNP_P1_36465_5837703	NC_021162.1	Ca_kabuli_chr03	5837703	GG	AA	1940160160
SNP_P1_36466_5838813	NC_021162.1	Ca_kabuli_chr03	5838813	AA	CC	1940160161
SNP_P1_36467_5840829	NC_021162.1	Ca_kabuli_chr03	5840829	AA	GG	1940160162
SNP_P1_36468_5840841	NC_021162.1	Ca_kabuli_chr03	5840841	AA	GG	1940160163
SNP_P1_36469_5840858	NC_021162.1	Ca_kabuli_chr03	5840858	TT	GG	1940160164
SNP_P1_36470_5840860	NC_021162.1	Ca_kabuli_chr03	5840860	AA	GG	1940160165
SNP_P1_36471_5840888	NC_021162.1	Ca_kabuli_chr03	5840888	GG	TT	1940160166
SNP_P1_36472_5840904	NC_021162.1	Ca_kabuli_chr03	5840904	CC	TT	1940160167
SNP_P1_36473_5840927	NC_021162.1	Ca_kabuli_chr03	5840927	AA	GG	1940160168
SNP_P1_36474_5841005	NC_021162.1	Ca_kabuli_chr03	5841005	AA	CC	1940160169
SNP_P1_36475_5841031	NC_021162.1	Ca_kabuli_chr03	5841031	AA	GG	1940160170
SNP_P1_36476_5841413	NC_021162.1	Ca_kabuli_chr03	5841413	AA	GG	1940160171
SNP_P1_36477_5860517	NC_021162.1	Ca_kabuli_chr03	5860517	GG	TT	1940160172
SNP_P1_36478_5863361	NC_021162.1	Ca_kabuli_chr03	5863361	CC	TT	1940160173
SNP_P1_36479_5871601	NC_021162.1	Ca_kabuli_chr03	5871601	AA	CC	1940160174
SNP_P1_36480_5889120	NC_021162.1	Ca_kabuli_chr03	5889120	AA	GG	1940160175
SNP_P1_36481_5900893	NC_021162.1	Ca_kabuli_chr03	5900893	GG	AA	1940160176
SNP_P1_36482_5900897	NC_021162.1	Ca_kabuli_chr03	5900897	CC	TT	1940160177
SNP_P1_36483_5900902	NC_021162.1	Ca_kabuli_chr03	5900902	GG	AA	1940160178
SNP_P1_36484_5910255	NC_021162.1	Ca_kabuli_chr03	5910255	AA	GG	1940160180
SNP_P1_36485_5910679	NC_021162.1	Ca_kabuli_chr03	5910679	AA	CC	1940160181
SNP_P1_36486_5914795	NC_021162.1	Ca_kabuli_chr03	5914795	CC	AA	1940160182
SNP_P1_36487_5916180	NC_021162.1	Ca_kabuli_chr03	5916180	AA	GG	1940160183
SNP_P1_36488_5916185	NC_021162.1	Ca_kabuli_chr03	5916185	TT	CC	1940160184
SNP_P1_36489_5916677	NC_021162.1	Ca_kabuli_chr03	5916677	GG	AA	1940160185
SNP_P1_36490_5922029	NC_021162.1	Ca_kabuli_chr03	5922029	TT	AA	1940160186
SNP_P1_36491_5922705	NC_021162.1	Ca_kabuli_chr03	5922705	TT	GG	1940160187
SNP_P1_36492_5922757	NC_021162.1	Ca_kabuli_chr03	5922757	AA	GG	1940160188
SNP_P1_36493_5923068	NC_021162.1	Ca_kabuli_chr03	5923068	AA	GG	1940160189
SNP_P1_36494_5923158	NC_021162.1	Ca_kabuli_chr03	5923158	AA	GG	1940160190
SNP_P1_36495_5923168	NC_021162.1	Ca_kabuli_chr03	5923168	TT	AA	1940160191
SNP_P1_36496_5934702	NC_021162.1	Ca_kabuli_chr03	5934702	CC	TT	1940160192
SNP_P1_36497_5934708	NC_021162.1	Ca_kabuli_chr03	5934708	AA	CC	1940160193
SNP_P1_36498_5936213	NC_021162.1	Ca_kabuli_chr03	5936213	TT	CC	1940160194
SNP_P1_36499_5936579	NC_021162.1	Ca_kabuli_chr03	5936579	CC	TT	1940160195
SNP_P1_36500_5936608	NC_021162.1	Ca_kabuli_chr03	5936608	TT	AA	1940160196

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_36501_5936665	NC_021162.1	Ca_kabuli_chr03	5936665	CC	TT	1940160197
SNP_P1_36502_5936666	NC_021162.1	Ca_kabuli_chr03	5936666	AA	GG	1940160198
SNP_P1_36503_5936668	NC_021162.1	Ca_kabuli_chr03	5936668	GG	AA	1940160199
SNP_P1_36504_5937087	NC_021162.1	Ca_kabuli_chr03	5937087	GG	CC	1940160200
SNP_P1_36505_5943814	NC_021162.1	Ca_kabuli_chr03	5943814	GG	CC	1940160201
SNP_P1_36506_5944021	NC_021162.1	Ca_kabuli_chr03	5944021	GG	AA	1940160202
SNP_P1_36507_5945166	NC_021162.1	Ca_kabuli_chr03	5945166	TT	AA	1940160203
SNP_P1_36508_5945493	NC_021162.1	Ca_kabuli_chr03	5945493	CC	AA	1940160204
SNP_P1_36509_5945500	NC_021162.1	Ca_kabuli_chr03	5945500	AA	TT	1940160205
SNP_P1_36510_5945531	NC_021162.1	Ca_kabuli_chr03	5945531	CC	TT	1940160206
SNP_P1_36511_5950319	NC_021162.1	Ca_kabuli_chr03	5950319	AA	TT	1940160207
SNP_P1_36512_5953427	NC_021162.1	Ca_kabuli_chr03	5953427	TT	AA	1940160208
SNP_P1_36513_5953440	NC_021162.1	Ca_kabuli_chr03	5953440	AA	GG	1940160209
SNP_P1_36514_5953534	NC_021162.1	Ca_kabuli_chr03	5953534	CC	TT	1940160210
SNP_P1_36515_5953544	NC_021162.1	Ca_kabuli_chr03	5953544	AA	GG	1940160211
SNP_P1_36516_5953573	NC_021162.1	Ca_kabuli_chr03	5953573	GG	CC	1940160212
SNP_P1_36517_5958643	NC_021162.1	Ca_kabuli_chr03	5958643	GG	TT	1940160213
SNP_P1_36518_5958765	NC_021162.1	Ca_kabuli_chr03	5958765	TT	CC	1940160214
SNP_P1_36519_5959132	NC_021162.1	Ca_kabuli_chr03	5959132	TT	CC	1940160215
SNP_P1_36520_5959211	NC_021162.1	Ca_kabuli_chr03	5959211	TT	CC	1940160216
SNP_P1_36521_5959222	NC_021162.1	Ca_kabuli_chr03	5959222	AA	TT	1940160218
SNP_P1_36522_5967019	NC_021162.1	Ca_kabuli_chr03	5967019	GG	CC	1940160219
SNP_P1_36523_5968375	NC_021162.1	Ca_kabuli_chr03	5968375	CC	TT	1940160220
SNP_P1_36524_5969478	NC_021162.1	Ca_kabuli_chr03	5969478	GG	TT	1940160221
SNP_P1_36525_5970699	NC_021162.1	Ca_kabuli_chr03	5970699	AA	TT	1940160222
SNP_P1_36526_5976793	NC_021162.1	Ca_kabuli_chr03	5976793	CC	AA	1940160223
SNP_P1_36527_5976808	NC_021162.1	Ca_kabuli_chr03	5976808	GG	AA	1940160224
SNP_P1_36528_5977977	NC_021162.1	Ca_kabuli_chr03	5977977	CC	TT	1940160225
SNP_P1_36529_5978126	NC_021162.1	Ca_kabuli_chr03	5978126	GG	AA	1940160226
SNP_P1_36530_5978500	NC_021162.1	Ca_kabuli_chr03	5978500	TT	CC	1940160227
SNP_P1_36531_5978523	NC_021162.1	Ca_kabuli_chr03	5978523	TT	CC	1940160228
SNP_P1_36532_5978542	NC_021162.1	Ca_kabuli_chr03	5978542	CC	TT	1940160229
SNP_P1_36533_5983523	NC_021162.1	Ca_kabuli_chr03	5983523	GG	TT	1940160230
SNP_P1_36534_5993515	NC_021162.1	Ca_kabuli_chr03	5993515	TT	CC	1940160231
SNP_P1_36535_5993619	NC_021162.1	Ca_kabuli_chr03	5993619	AA	GG	1940160232
SNP_P1_36536_5993805	NC_021162.1	Ca_kabuli_chr03	5993805	TT	CC	1940160233
SNP_P1_36537_5993830	NC_021162.1	Ca_kabuli_chr03	5993830	TT	GG	1940160234
SNP_P1_36538_5993841	NC_021162.1	Ca_kabuli_chr03	5993841	TT	AA	1940160235
SNP_P1_36539_5993885	NC_021162.1	Ca_kabuli_chr03	5993885	TT	CC	1940160236
SNP_P1_36540_5993997	NC_021162.1	Ca_kabuli_chr03	5993997	GG	TT	1940160237
SNP_P1_36541_5994202	NC_021162.1	Ca_kabuli_chr03	5994202	GG	CC	1940160238
SNP_P1_36543_5994233	NC_021162.1	Ca_kabuli_chr03	5994233	AA	TT	1940160239

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36545_5994298	NC_021162.1	Ca_kabuli_chr03	5994298	TT	AA	1940160241
SNP_P1_36546_5994330	NC_021162.1	Ca_kabuli_chr03	5994330	CC	TT	1940160242
SNP_P1_36547_5994344	NC_021162.1	Ca_kabuli_chr03	5994344	TT	GG	1940160243
SNP_P1_36548_6004267	NC_021162.1	Ca_kabuli_chr03	6004267	AA	TT	1940160244
SNP_P1_36549_6004312	NC_021162.1	Ca_kabuli_chr03	6004312	AA	GG	1940160245
SNP_P1_36550_6004732	NC_021162.1	Ca_kabuli_chr03	6004732	AA	GG	1940160246
SNP_P1_36551_6004797	NC_021162.1	Ca_kabuli_chr03	6004797	AA	GG	1940160247
SNP_P1_36552_6004850	NC_021162.1	Ca_kabuli_chr03	6004850	AA	GG	1940160248
SNP_P1_36553_6018313	NC_021162.1	Ca_kabuli_chr03	6018313	GG	AA	1940160249
SNP_P1_36554_6021797	NC_021162.1	Ca_kabuli_chr03	6021797	GG	AA	1940160250
SNP_P1_36555_6021808	NC_021162.1	Ca_kabuli_chr03	6021808	CC	TT	1940160251
SNP_P1_36556_6030770	NC_021162.1	Ca_kabuli_chr03	6030770	GG	TT	1940160252
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SNP_P1_36559_6031035	NC_021162.1	Ca_kabuli_chr03	6031035	GG	AA	1940160255
SNP_P1_36560_6031082	NC_021162.1	Ca_kabuli_chr03	6031082	TT	CC	1940160256
SNP_P1_36561_6031215	NC_021162.1	Ca_kabuli_chr03	6031215	TT	CC	1940160257
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SNP_P1_36566_6031451	NC_021162.1	Ca_kabuli_chr03	6031451	TT	CC	1940160262
SNP_P1_36567_6031463	NC_021162.1	Ca_kabuli_chr03	6031463	GG	AA	1940160263
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SNP_P1_36569_6031496	NC_021162.1	Ca_kabuli_chr03	6031496	AA	TT	1940160266
SNP_P1_36570_6037644	NC_021162.1	Ca_kabuli_chr03	6037644	TT	CC	1940160267
SNP_P1_36571_6037715	NC_021162.1	Ca_kabuli_chr03	6037715	AA	GG	1940160268
SNP_P1_36572_6037759	NC_021162.1	Ca_kabuli_chr03	6037759	TT	CC	1940160269
SNP_P1_36573_6037762	NC_021162.1	Ca_kabuli_chr03	6037762	CC	TT	1940160270
SNP_P1_36574_6037800	NC_021162.1	Ca_kabuli_chr03	6037800	CC	AA	1940160271
SNP_P1_36575_6056636	NC_021162.1	Ca_kabuli_chr03	6056636	GG	TT	1940160272
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SNP_P1_36578_6088102	NC_021162.1	Ca_kabuli_chr03	6088102	TT	CC	1940160274
SNP_P1_36579_6088126	NC_021162.1	Ca_kabuli_chr03	6088126	TT	CC	1940160275
SNP_P1_36580_6088920	NC_021162.1	Ca_kabuli_chr03	6088920	TT	AA	1940160276
SNP_P1_36581_6088921	NC_021162.1	Ca_kabuli_chr03	6088921	TT	AA	1940160277
SNP_P1_36582_6088922	NC_021162.1	Ca_kabuli_chr03	6088922	GG	TT	1940160278
SNP_P1_36583_6089184	NC_021162.1	Ca_kabuli_chr03	6089184	GG	AA	1940160279
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SNP_P1_36585_6104494	NC_021162.1	Ca_kabuli_chr03	6104494	TT	GG	1940160281
SNP_P1_36586_6104556	NC_021162.1	Ca_kabuli_chr03	6104556	CC	TT	1940160282

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36590_6157531	NC_021162.1	Ca_kabuli_chr03	6157531	CC	AA	1940160286
SNP_P1_36591_6157667	NC_021162.1	Ca_kabuli_chr03	6157667	TT	GG	1940160287
SNP_P1_36592_6193396	NC_021162.1	Ca_kabuli_chr03	6193396	GG	TT	1940160288
SNP_P1_36594_6218237	NC_021162.1	Ca_kabuli_chr03	6218237	GG	AA	1940160289
SNP_P1_36595_6234452	NC_021162.1	Ca_kabuli_chr03	6234452	TT	CC	1940160290
SNP_P1_36596_6234453	NC_021162.1	Ca_kabuli_chr03	6234453	TT	CC	1940160291
SNP_P1_36597_6243880	NC_021162.1	Ca_kabuli_chr03	6243880	AA	GG	1940160292
SNP_P1_36598_6243889	NC_021162.1	Ca_kabuli_chr03	6243889	CC	TT	1940160293
SNP_P1_36602_6296068	NC_021162.1	Ca_kabuli_chr03	6296068	GG	AA	1940160294
SNP_P1_36603_6297129	NC_021162.1	Ca_kabuli_chr03	6297129	GG	AA	1940160295
SNP_P1_36605_6297155	NC_021162.1	Ca_kabuli_chr03	6297155	CC	TT	1940160296
SNP_P1_36606_6297165	NC_021162.1	Ca_kabuli_chr03	6297165	GG	AA	1940160297
SNP_P1_36607_6297171	NC_021162.1	Ca_kabuli_chr03	6297171	GG	AA	1940160298
SNP_P1_36609_6301920	NC_021162.1	Ca_kabuli_chr03	6301920	CC	TT	1940160300
SNP_P1_36610_6306526	NC_021162.1	Ca_kabuli_chr03	6306526	AA	GG	1940160301
SNP_P1_36611_6310505	NC_021162.1	Ca_kabuli_chr03	6310505	CC	TT	1940160302
SNP_P1_36612_6310836	NC_021162.1	Ca_kabuli_chr03	6310836	CC	TT	1940160303
SNP_P1_36614_6328620	NC_021162.1	Ca_kabuli_chr03	6328620	GG	TT	1940160304
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SNP_P1_36616_6331120	NC_021162.1	Ca_kabuli_chr03	6331120	AA	GG	1940160306
SNP_P1_36617_6333723	NC_021162.1	Ca_kabuli_chr03	6333723	TT	GG	1940160307
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SNP_P1_36623_6371988	NC_021162.1	Ca_kabuli_chr03	6371988	GG	AA	1940160313
SNP_P1_36624_6372002	NC_021162.1	Ca_kabuli_chr03	6372002	TT	AA	1940160314
SNP_P1_36625_6372004	NC_021162.1	Ca_kabuli_chr03	6372004	AA	GG	1940160315
SNP_P1_36626_6372173	NC_021162.1	Ca_kabuli_chr03	6372173	GG	AA	1940160316
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SNP_P1_36629_6372262	NC_021162.1	Ca_kabuli_chr03	6372262	AA	CC	1940160318
SNP_P1_36630_6372264	NC_021162.1	Ca_kabuli_chr03	6372264	AA	TT	1940160319
SNP_P1_36633_6373630	NC_021162.1	Ca_kabuli_chr03	6373630	AA	GG	1940160320
SNP_P1_36634_6386864	NC_021162.1	Ca_kabuli_chr03	6386864	TT	CC	1940160321
SNP_P1_36635_6386896	NC_021162.1	Ca_kabuli_chr03	6386896	CC	TT	1940160322
SNP_P1_36636_6386928	NC_021162.1	Ca_kabuli_chr03	6386928	TT	CC	1940160323
SNP_P1_36638_6386943	NC_021162.1	Ca_kabuli_chr03	6386943	GG	AA	1940160325
SNP_P1_36639_6419399	NC_021162.1	Ca_kabuli_chr03	6419399	AA	GG	1940160326

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36641_6428253	NC_021162.1	Ca_kabuli_chr03	6428253	TT	AA	1940160328
SNP_P1_36642_6430228	NC_021162.1	Ca_kabuli_chr03	6430228	GG	AA	1940160329
SNP_P1_36643_6430245	NC_021162.1	Ca_kabuli_chr03	6430245	CC	GG	1940160330
SNP_P1_36644_6430274	NC_021162.1	Ca_kabuli_chr03	6430274	CC	TT	1940160331
SNP_P1_36645_6430364	NC_021162.1	Ca_kabuli_chr03	6430364	TT	CC	1940160332
SNP_P1_36646_6430603	NC_021162.1	Ca_kabuli_chr03	6430603	GG	AA	1940160333
SNP_P1_36647_6430648	NC_021162.1	Ca_kabuli_chr03	6430648	TT	CC	1940160334
SNP_P1_36648_6430649	NC_021162.1	Ca_kabuli_chr03	6430649	AA	GG	1940160335
SNP_P1_36649_6431254	NC_021162.1	Ca_kabuli_chr03	6431254	AA	CC	1940160336
SNP_P1_36651_6445158	NC_021162.1	Ca_kabuli_chr03	6445158	AA	GG	1940160337
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SNP_P1_36654_6448669	NC_021162.1	Ca_kabuli_chr03	6448669	TT	CC	1940160339
SNP_P1_36655_6448687	NC_021162.1	Ca_kabuli_chr03	6448687	TT	CC	1940160340
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SNP_P1_36657_6474373	NC_021162.1	Ca_kabuli_chr03	6474373	AA	TT	1940160342
SNP_P1_36658_6474374	NC_021162.1	Ca_kabuli_chr03	6474374	AA	TT	1940160343
SNP_P1_36660_6493899	NC_021162.1	Ca_kabuli_chr03	6493899	AA	GG	1940160344
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SNP_P1_36665_6520284	NC_021162.1	Ca_kabuli_chr03	6520284	AA	GG	1940160350
SNP_P1_36666_6520291	NC_021162.1	Ca_kabuli_chr03	6520291	CC	TT	1940160351
SNP_P1_36667_6520663	NC_021162.1	Ca_kabuli_chr03	6520663	GG	AA	1940160352
SNP_P1_36668_6527298	NC_021162.1	Ca_kabuli_chr03	6527298	TT	GG	1940160353
SNP_P1_36669_6527301	NC_021162.1	Ca_kabuli_chr03	6527301	GG	AA	1940160354
SNP_P1_36670_6527322	NC_021162.1	Ca_kabuli_chr03	6527322	TT	CC	1940160355
SNP_P1_36671_6566874	NC_021162.1	Ca_kabuli_chr03	6566874	CC	TT	1940160356
SNP_P1_36672_6569728	NC_021162.1	Ca_kabuli_chr03	6569728	CC	TT	1940160357
SNP_P1_36673_6574789	NC_021162.1	Ca_kabuli_chr03	6574789	CC	AA	1940160358
SNP_P1_36674_6579474	NC_021162.1	Ca_kabuli_chr03	6579474	TT	AA	1940160359
SNP_P1_36676_6581942	NC_021162.1	Ca_kabuli_chr03	6581942	GG	AA	1940160360
SNP_P1_36677_6582270	NC_021162.1	Ca_kabuli_chr03	6582270	TT	CC	1940160361
SNP_P1_36678_6583701	NC_021162.1	Ca_kabuli_chr03	6583701	CC	GG	1940160362
SNP_P1_36680_6587860	NC_021162.1	Ca_kabuli_chr03	6587860	AA	GG	1940160363
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SNP_P1_36682_6588638	NC_021162.1	Ca_kabuli_chr03	6588638	CC	TT	1940160365
SNP_P1_36683_6588778	NC_021162.1	Ca_kabuli_chr03	6588778	TT	GG	1940160366
SNP_P1_36684_6588920	NC_021162.1	Ca_kabuli_chr03	6588920	GG	AA	1940160367
SNP_P1_36685_6589283	NC_021162.1	Ca_kabuli_chr03	6589283	CC	AA	1940160368
SNP_P1_36686_6589692	NC_021162.1	Ca_kabuli_chr03	6589692	TT	CC	1940160370

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36689_6590452	NC_021162.1	Ca_kabuli_chr03	6590452	CC	AA	1940160373
SNP_P1_36690_6591729	NC_021162.1	Ca_kabuli_chr03	6591729	TT	GG	1940160374
SNP_P1_36691_6592074	NC_021162.1	Ca_kabuli_chr03	6592074	CC	TT	1940160375
SNP_P1_36692_6597997	NC_021162.1	Ca_kabuli_chr03	6597997	CC	AA	1940160376
SNP_P1_36693_6598356	NC_021162.1	Ca_kabuli_chr03	6598356	CC	AA	1940160377
SNP_P1_36694_6599039	NC_021162.1	Ca_kabuli_chr03	6599039	TT	CC	1940160378
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SNP_P1_36696_6599070	NC_021162.1	Ca_kabuli_chr03	6599070	TT	CC	1940160380
SNP_P1_36697_6599081	NC_021162.1	Ca_kabuli_chr03	6599081	CC	TT	1940160381
SNP_P1_36698_6599095	NC_021162.1	Ca_kabuli_chr03	6599095	GG	CC	1940160382
SNP_P1_36699_6599098	NC_021162.1	Ca_kabuli_chr03	6599098	TT	AA	1940160383
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SNP_P1_36702_6599149	NC_021162.1	Ca_kabuli_chr03	6599149	TT	CC	1940160386
SNP_P1_36703_6599174	NC_021162.1	Ca_kabuli_chr03	6599174	AA	TT	1940160387
SNP_P1_36704_6599175	NC_021162.1	Ca_kabuli_chr03	6599175	TT	AA	1940160388
SNP_P1_36705_6599208	NC_021162.1	Ca_kabuli_chr03	6599208	AA	GG	1940160389
SNP_P1_36706_6599217	NC_021162.1	Ca_kabuli_chr03	6599217	TT	AA	1940160390
SNP_P1_36707_6599258	NC_021162.1	Ca_kabuli_chr03	6599258	CC	AA	1940160391
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SNP_P1_36709_6599310	NC_021162.1	Ca_kabuli_chr03	6599310	AA	GG	1940160393
SNP_P1_36710_6599482	NC_021162.1	Ca_kabuli_chr03	6599482	GG	AA	1940160394
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SNP_P1_36713_6600101	NC_021162.1	Ca_kabuli_chr03	6600101	AA	GG	1940160396
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SNP_P1_36717_6608725	NC_021162.1	Ca_kabuli_chr03	6608725	TT	AA	1940160401
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SNP_P1_36723_6649696	NC_021162.1	Ca_kabuli_chr03	6649696	GG	AA	1940160407
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SNP_P1_36729_6675431	NC_021162.1	Ca_kabuli_chr03	6675431	AA	GG	1940160409
SNP_P1_36730_6675470	NC_021162.1	Ca_kabuli_chr03	6675470	GG	TT	1940160410
SNP_P1_36731_6675535	NC_021162.1	Ca_kabuli_chr03	6675535	CC	TT	1940160411
SNP_P1_36732_6675544	NC_021162.1	Ca_kabuli_chr03	6675544	TT	CC	1940160412
SNP_P1_36733_6675562	NC_021162.1	Ca_kabuli_chr03	6675562	AA	GG	1940160413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36736_6675959	NC_021162.1	Ca_kabuli_chr03	6675959	GG	TT	1940160416
SNP_P1_36737_6675964	NC_021162.1	Ca_kabuli_chr03	6675964	GG	AA	1940160417
SNP_P1_36738_6675966	NC_021162.1	Ca_kabuli_chr03	6675966	GG	TT	1940160418
SNP_P1_36739_6675977	NC_021162.1	Ca_kabuli_chr03	6675977	CC	TT	1940160419
SNP_P1_36740_6675996	NC_021162.1	Ca_kabuli_chr03	6675996	TT	GG	1940160420
SNP_P1_36741_6676016	NC_021162.1	Ca_kabuli_chr03	6676016	AA	CC	1940160421
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SNP_P1_36745_6719268	NC_021162.1	Ca_kabuli_chr03	6719268	CC	AA	1940160424
SNP_P1_36747_6721503	NC_021162.1	Ca_kabuli_chr03	6721503	GG	TT	1940160425
SNP_P1_36748_6724076	NC_021162.1	Ca_kabuli_chr03	6724076	AA	GG	1940160426
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SNP_P1_36752_6728901	NC_021162.1	Ca_kabuli_chr03	6728901	AA	GG	1940160430
SNP_P1_36754_6728915	NC_021162.1	Ca_kabuli_chr03	6728915	GG	TT	1940160431
SNP_P1_36755_6728961	NC_021162.1	Ca_kabuli_chr03	6728961	AA	CC	1940160432
SNP_P1_36756_6729153	NC_021162.1	Ca_kabuli_chr03	6729153	GG	AA	1940160434
SNP_P1_36757_6729156	NC_021162.1	Ca_kabuli_chr03	6729156	AA	TT	1940160435
SNP_P1_36759_6734840	NC_021162.1	Ca_kabuli_chr03	6734840	GG	AA	1940160436
SNP_P1_36760_6734844	NC_021162.1	Ca_kabuli_chr03	6734844	CC	TT	1940160437
SNP_P1_36761_6735548	NC_021162.1	Ca_kabuli_chr03	6735548	CC	AA	1940160438
SNP_P1_36762_6739882	NC_021162.1	Ca_kabuli_chr03	6739882	AA	GG	1940160439
SNP_P1_36763_6740213	NC_021162.1	Ca_kabuli_chr03	6740213	AA	GG	1940160440
SNP_P1_36764_6740247	NC_021162.1	Ca_kabuli_chr03	6740247	TT	CC	1940160441
SNP_P1_36765_6749184	NC_021162.1	Ca_kabuli_chr03	6749184	CC	AA	1940160442
SNP_P1_36766_6754306	NC_021162.1	Ca_kabuli_chr03	6754306	AA	TT	1940160443
SNP_P1_36767_6754333	NC_021162.1	Ca_kabuli_chr03	6754333	TT	CC	1940160444
SNP_P1_36768_6754383	NC_021162.1	Ca_kabuli_chr03	6754383	TT	CC	1940160445
SNP_P1_36769_6754555	NC_021162.1	Ca_kabuli_chr03	6754555	TT	CC	1940160446
SNP_P1_36771_6770012	NC_021162.1	Ca_kabuli_chr03	6770012	GG	AA	1940160447
SNP_P1_36772_6771967	NC_021162.1	Ca_kabuli_chr03	6771967	AA	GG	1940160448
SNP_P1_36773_6772524	NC_021162.1	Ca_kabuli_chr03	6772524	TT	CC	1940160449
SNP_P1_36774_6772552	NC_021162.1	Ca_kabuli_chr03	6772552	CC	TT	1940160450
SNP_P1_36775_6772738	NC_021162.1	Ca_kabuli_chr03	6772738	AA	GG	1940160451
SNP_P1_36776_6772746	NC_021162.1	Ca_kabuli_chr03	6772746	AA	GG	1940160452
SNP_P1_36777_6772812	NC_021162.1	Ca_kabuli_chr03	6772812	GG	AA	1940160453
SNP_P1_36778_6772815	NC_021162.1	Ca_kabuli_chr03	6772815	TT	GG	1940160454
SNP_P1_36779_6772870	NC_021162.1	Ca_kabuli_chr03	6772870	TT	CC	1940160455
SNP_P1_36781_6773044	NC_021162.1	Ca_kabuli_chr03	6773044	CC	AA	1940160456

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36783_6773171	NC_021162.1	Ca_kabuli_chr03	6773171	AA	GG	1940160458
SNP_P1_36784_6773439	NC_021162.1	Ca_kabuli_chr03	6773439	TT	CC	1940160459
SNP_P1_36785_6773443	NC_021162.1	Ca_kabuli_chr03	6773443	TT	CC	1940160460
SNP_P1_36786_6773447	NC_021162.1	Ca_kabuli_chr03	6773447	GG	AA	1940160461
SNP_P1_36787_6773481	NC_021162.1	Ca_kabuli_chr03	6773481	TT	CC	1940160462
SNP_P1_36788_6774057	NC_021162.1	Ca_kabuli_chr03	6774057	CC	TT	1940160463
SNP_P1_36790_6774146	NC_021162.1	Ca_kabuli_chr03	6774146	GG	AA	1940160464
SNP_P1_36791_6774235	NC_021162.1	Ca_kabuli_chr03	6774235	CC	AA	1940160465
SNP_P1_36792_6774373	NC_021162.1	Ca_kabuli_chr03	6774373	TT	AA	1940160466
SNP_P1_36793_6774379	NC_021162.1	Ca_kabuli_chr03	6774379	AA	GG	1940160467
SNP_P1_36794_6777878	NC_021162.1	Ca_kabuli_chr03	6777878	CC	TT	1940160468
SNP_P1_36795_6780284	NC_021162.1	Ca_kabuli_chr03	6780284	AA	GG	1940160469
SNP_P1_36796_6780285	NC_021162.1	Ca_kabuli_chr03	6780285	GG	AA	1940160471
SNP_P1_36797_6780322	NC_021162.1	Ca_kabuli_chr03	6780322	CC	TT	1940160472
SNP_P1_36799_6780560	NC_021162.1	Ca_kabuli_chr03	6780560	GG	AA	1940160473
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SNP_P1_36801_6780692	NC_021162.1	Ca_kabuli_chr03	6780692	TT	AA	1940160475
SNP_P1_36802_6780770	NC_021162.1	Ca_kabuli_chr03	6780770	TT	CC	1940160476
SNP_P1_36803_6780894	NC_021162.1	Ca_kabuli_chr03	6780894	GG	AA	1940160477
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SNP_P1_36805_6781062	NC_021162.1	Ca_kabuli_chr03	6781062	TT	GG	1940160479
SNP_P1_36806_6781245	NC_021162.1	Ca_kabuli_chr03	6781245	AA	CC	1940160480
SNP_P1_36808_6789935	NC_021162.1	Ca_kabuli_chr03	6789935	AA	TT	1940160481
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SNP_P1_36813_6790356	NC_021162.1	Ca_kabuli_chr03	6790356	CC	TT	1940160486
SNP_P1_36814_6790446	NC_021162.1	Ca_kabuli_chr03	6790446	CC	TT	1940160487
SNP_P1_36815_6811715	NC_021162.1	Ca_kabuli_chr03	6811715	CC	GG	1940160488
SNP_P1_36816_6815969	NC_021162.1	Ca_kabuli_chr03	6815969	AA	GG	1940160489
SNP_P1_36818_6821740	NC_021162.1	Ca_kabuli_chr03	6821740	TT	AA	1940160490
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SNP_P1_36820_6821934	NC_021162.1	Ca_kabuli_chr03	6821934	TT	CC	1940160492
SNP_P1_36822_6822158	NC_021162.1	Ca_kabuli_chr03	6822158	AA	GG	1940160493
SNP_P1_36823_6822180	NC_021162.1	Ca_kabuli_chr03	6822180	AA	CC	1940160494
SNP_P1_36824_6822181	NC_021162.1	Ca_kabuli_chr03	6822181	TT	CC	1940160495
SNP_P1_36825_6823640	NC_021162.1	Ca_kabuli_chr03	6823640	TT	CC	1940160496
SNP_P1_36826_6823678	NC_021162.1	Ca_kabuli_chr03	6823678	CC	TT	1940160497
SNP_P1_36827_6826099	NC_021162.1	Ca_kabuli_chr03	6826099	TT	CC	1940160498
SNP_P1_36828_6826221	NC_021162.1	Ca_kabuli_chr03	6826221	TT	CC	1940160499

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36830_6826297	NC_021162.1	Ca_kabuli_chr03	6826297	TT	CC	1940160501
SNP_P1_36832_6838416	NC_021162.1	Ca_kabuli_chr03	6838416	AA	TT	1940160502
SNP_P1_36833_6838581	NC_021162.1	Ca_kabuli_chr03	6838581	CC	AA	1940160503
SNP_P1_36835_6838838	NC_021162.1	Ca_kabuli_chr03	6838838	GG	AA	1940160504
SNP_P1_36836_6859411	NC_021162.1	Ca_kabuli_chr03	6859411	GG	TT	1940160505
SNP_P1_36837_6859424	NC_021162.1	Ca_kabuli_chr03	6859424	CC	TT	1940160507
SNP_P1_36838_6859432	NC_021162.1	Ca_kabuli_chr03	6859432	CC	AA	1940160508
SNP_P1_36839_6859470	NC_021162.1	Ca_kabuli_chr03	6859470	CC	AA	1940160509
SNP_P1_36840_6859498	NC_021162.1	Ca_kabuli_chr03	6859498	TT	CC	1940160510
SNP_P1_36841_6859561	NC_021162.1	Ca_kabuli_chr03	6859561	GG	AA	1940160511
SNP_P1_36842_6859668	NC_021162.1	Ca_kabuli_chr03	6859668	GG	AA	1940160512
SNP_P1_36843_6859702	NC_021162.1	Ca_kabuli_chr03	6859702	CC	TT	1940160513
SNP_P1_36844_6859716	NC_021162.1	Ca_kabuli_chr03	6859716	GG	AA	1940160514
SNP_P1_36845_6859762	NC_021162.1	Ca_kabuli_chr03	6859762	TT	CC	1940160515
SNP_P1_36846_6859862	NC_021162.1	Ca_kabuli_chr03	6859862	AA	TT	1940160516
SNP_P1_36847_6859889	NC_021162.1	Ca_kabuli_chr03	6859889	GG	AA	1940160517
SNP_P1_36848_6859890	NC_021162.1	Ca_kabuli_chr03	6859890	TT	CC	1940160518
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SNP_P1_36852_6867917	NC_021162.1	Ca_kabuli_chr03	6867917	TT	AA	1940160521
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SNP_P1_36855_6876016	NC_021162.1	Ca_kabuli_chr03	6876016	TT	CC	1940160525
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SNP_P1_36857_6920897	NC_021162.1	Ca_kabuli_chr03	6920897	AA	TT	1940160527
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SNP_P1_36859_6951719	NC_021162.1	Ca_kabuli_chr03	6951719	GG	AA	1940160529
SNP_P1_36861_6974524	NC_021162.1	Ca_kabuli_chr03	6974524	TT	GG	1940160530
SNP_P1_36862_6974525	NC_021162.1	Ca_kabuli_chr03	6974525	GG	AA	1940160531
SNP_P1_36863_6983430	NC_021162.1	Ca_kabuli_chr03	6983430	AA	CC	1940160532
SNP_P1_36864_6991528	NC_021162.1	Ca_kabuli_chr03	6991528	AA	GG	1940160533
SNP_P1_36865_7037173	NC_021162.1	Ca_kabuli_chr03	7037173	CC	AA	1940160534
SNP_P1_36866_7045344	NC_021162.1	Ca_kabuli_chr03	7045344	CC	TT	1940160535
SNP_P1_36867_7065569	NC_021162.1	Ca_kabuli_chr03	7065569	AA	CC	1940160536
SNP_P1_36868_7065580	NC_021162.1	Ca_kabuli_chr03	7065580	AA	GG	1940160538
SNP_P1_36869_7065625	NC_021162.1	Ca_kabuli_chr03	7065625	CC	TT	1940160539
SNP_P1_36870_7065680	NC_021162.1	Ca_kabuli_chr03	7065680	CC	TT	1940160540
SNP_P1_36871_7065817	NC_021162.1	Ca_kabuli_chr03	7065817	GG	AA	1940160541
SNP_P1_36872_7065823	NC_021162.1	Ca_kabuli_chr03	7065823	TT	CC	1940160542
SNP_P1_36873_7065853	NC_021162.1	Ca_kabuli_chr03	7065853	AA	TT	1940160543
SNP_P1_36874_7065854	NC_021162.1	Ca_kabuli_chr03	7065854	TT	GG	1940160544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36876_7066837	NC_021162.1	Ca_kabuli_chr03	7066837	AA	TT	1940160546
SNP_P1_36878_7080062	NC_021162.1	Ca_kabuli_chr03	7080062	GG	AA	1940160547
SNP_P1_36879_7093134	NC_021162.1	Ca_kabuli_chr03	7093134	GG	AA	1940160548
SNP_P1_36880_7103295	NC_021162.1	Ca_kabuli_chr03	7103295	CC	GG	1940160549
SNP_P1_36881_7103661	NC_021162.1	Ca_kabuli_chr03	7103661	AA	GG	1940160550
SNP_P1_36882_7119654	NC_021162.1	Ca_kabuli_chr03	7119654	CC	AA	1940160551
SNP_P1_36883_7120370	NC_021162.1	Ca_kabuli_chr03	7120370	GG	AA	1940160553
SNP_P1_36884_7120390	NC_021162.1	Ca_kabuli_chr03	7120390	CC	AA	1940160554
SNP_P1_36885_7120392	NC_021162.1	Ca_kabuli_chr03	7120392	AA	GG	1940160555
SNP_P1_36886_7120457	NC_021162.1	Ca_kabuli_chr03	7120457	GG	CC	1940160556
SNP_P1_36887_7120476	NC_021162.1	Ca_kabuli_chr03	7120476	CC	GG	1940160557
SNP_P1_36888_7120566	NC_021162.1	Ca_kabuli_chr03	7120566	TT	GG	1940160558
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SNP_P1_36891_7120639	NC_021162.1	Ca_kabuli_chr03	7120639	AA	GG	1940160561
SNP_P1_36892_7125550	NC_021162.1	Ca_kabuli_chr03	7125550	AA	TT	1940160562
SNP_P1_36893_7142493	NC_021162.1	Ca_kabuli_chr03	7142493	AA	GG	1940160563
SNP_P1_36894_7152963	NC_021162.1	Ca_kabuli_chr03	7152963	CC	TT	1940160564
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SNP_P1_36897_7166739	NC_021162.1	Ca_kabuli_chr03	7166739	TT	GG	1940160567
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SNP_P1_36902_7258140	NC_021162.1	Ca_kabuli_chr03	7258140	AA	TT	1940160571
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SNP_P1_36906_7285554	NC_021162.1	Ca_kabuli_chr03	7285554	GG	AA	1940160573
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SNP_P1_36908_7330135	NC_021162.1	Ca_kabuli_chr03	7330135	CC	AA	1940160575
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SNP_P1_36911_7368089	NC_021162.1	Ca_kabuli_chr03	7368089	CC	TT	1940160577
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SNP_P1_36915_7430682	NC_021162.1	Ca_kabuli_chr03	7430682	CC	TT	1940160581
SNP_P1_36917_7470707	NC_021162.1	Ca_kabuli_chr03	7470707	CC	GG	1940160582
SNP_P1_36918_7470742	NC_021162.1	Ca_kabuli_chr03	7470742	GG	AA	1940160583
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SNP_P1_36921_7504212	NC_021162.1	Ca_kabuli_chr03	7504212	CC	TT	1940160586
SNP_P1_36922_7544237	NC_021162.1	Ca_kabuli_chr03	7544237	GG	AA	1940160587
SNP_P1_36924_7564088	NC_021162.1	Ca_kabuli_chr03	7564088	CC	TT	1940160588

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_36927_7564451	NC_021162.1	Ca_kabuli_chr03	7564451	TT	GG	1940160591
SNP_P1_36928_7566595	NC_021162.1	Ca_kabuli_chr03	7566595	CC	TT	1940160592
SNP_P1_36929_7570957	NC_021162.1	Ca_kabuli_chr03	7570957	TT	AA	1940160593
SNP_P1_36930_7570958	NC_021162.1	Ca_kabuli_chr03	7570958	TT	GG	1940160594
SNP_P1_36931_7575906	NC_021162.1	Ca_kabuli_chr03	7575906	AA	TT	1940160595
SNP_P1_36933_7604119	NC_021162.1	Ca_kabuli_chr03	7604119	AA	GG	1940160596
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SNP_P1_36937_7638541	NC_021162.1	Ca_kabuli_chr03	7638541	AA	GG	1940160598
SNP_P1_36938_7681861	NC_021162.1	Ca_kabuli_chr03	7681861	AA	GG	1940160599
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SNP_P1_36943_7681928	NC_021162.1	Ca_kabuli_chr03	7681928	CC	TT	1940160604
SNP_P1_36944_7689393	NC_021162.1	Ca_kabuli_chr03	7689393	TT	GG	1940160605
SNP_P1_36945_7708015	NC_021162.1	Ca_kabuli_chr03	7708015	TT	AA	1940160606
SNP_P1_36946_7725053	NC_021162.1	Ca_kabuli_chr03	7725053	GG	TT	1940160607
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SNP_P1_36951_7772984	NC_021162.1	Ca_kabuli_chr03	7772984	GG	AA	1940160611
SNP_P1_36952_7772986	NC_021162.1	Ca_kabuli_chr03	7772986	GG	AA	1940160612
SNP_P1_36953_7773013	NC_021162.1	Ca_kabuli_chr03	7773013	TT	CC	1940160613
SNP_P1_36956_7801457	NC_021162.1	Ca_kabuli_chr03	7801457	AA	GG	1940160614
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SNP_P1_36958_7804323	NC_021162.1	Ca_kabuli_chr03	7804323	TT	GG	1940160616
SNP_P1_36959_7804423	NC_021162.1	Ca_kabuli_chr03	7804423	TT	GG	1940160617
SNP_P1_36960_7804437	NC_021162.1	Ca_kabuli_chr03	7804437	AA	GG	1940160619
SNP_P1_36961_7804559	NC_021162.1	Ca_kabuli_chr03	7804559	TT	GG	1940160620
SNP_P1_36962_7804607	NC_021162.1	Ca_kabuli_chr03	7804607	AA	GG	1940160621
SNP_P1_36963_7804924	NC_021162.1	Ca_kabuli_chr03	7804924	TT	GG	1940160622
SNP_P1_36964_7805155	NC_021162.1	Ca_kabuli_chr03	7805155	CC	TT	1940160623
SNP_P1_36965_7820101	NC_021162.1	Ca_kabuli_chr03	7820101	GG	CC	1940160624
SNP_P1_36966_7830611	NC_021162.1	Ca_kabuli_chr03	7830611	CC	TT	1940160625
SNP_P1_36968_7847741	NC_021162.1	Ca_kabuli_chr03	7847741	TT	CC	1940160626
SNP_P1_36969_7847753	NC_021162.1	Ca_kabuli_chr03	7847753	TT	CC	1940160627
SNP_P1_36970_7864602	NC_021162.1	Ca_kabuli_chr03	7864602	AA	CC	1940160628
SNP_P1_36971_7868320	NC_021162.1	Ca_kabuli_chr03	7868320	AA	GG	1940160629
SNP_P1_36972_7868321	NC_021162.1	Ca_kabuli_chr03	7868321	AA	GG	1940160630
SNP_P1_36973_7868350	NC_021162.1	Ca_kabuli_chr03	7868350	AA	GG	1940160631

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_36975_7892201	NC_021162.1	Ca_kabuli_chr03	7892201	CC	TT	1940160632
SNP_P1_36977_7908281	NC_021162.1	Ca_kabuli_chr03	7908281	AA	GG	1940160633
SNP_P1_36978_7908688	NC_021162.1	Ca_kabuli_chr03	7908688	CC	TT	1940160634
SNP_P1_36979_7915268	NC_021162.1	Ca_kabuli_chr03	7915268	GG	CC	1940160635
SNP_P1_36980_7915273	NC_021162.1	Ca_kabuli_chr03	7915273	TT	CC	1940160636
SNP_P1_36981_7922427	NC_021162.1	Ca_kabuli_chr03	7922427	CC	AA	1940160637
SNP_P1_36982_7922428	NC_021162.1	Ca_kabuli_chr03	7922428	CC	TT	1940160638
SNP_P1_36984_7959420	NC_021162.1	Ca_kabuli_chr03	7959420	AA	CC	1940160639
SNP_P1_36985_7959450	NC_021162.1	Ca_kabuli_chr03	7959450	TT	CC	1940160640
SNP_P1_36986_7959601	NC_021162.1	Ca_kabuli_chr03	7959601	AA	CC	1940160641
SNP_P1_36987_7959715	NC_021162.1	Ca_kabuli_chr03	7959715	GG	AA	1940160642
SNP_P1_36988_7959718	NC_021162.1	Ca_kabuli_chr03	7959718	AA	TT	1940160643
SNP_P1_36989_7959744	NC_021162.1	Ca_kabuli_chr03	7959744	AA	GG	1940160644
SNP_P1_36991_7959882	NC_021162.1	Ca_kabuli_chr03	7959882	CC	TT	1940160645
SNP_P1_36992_7959896	NC_021162.1	Ca_kabuli_chr03	7959896	GG	TT	1940160646
SNP_P1_36993_7959912	NC_021162.1	Ca_kabuli_chr03	7959912	CC	TT	1940160647
SNP_P1_36994_7959918	NC_021162.1	Ca_kabuli_chr03	7959918	GG	AA	1940160648
SNP_P1_36995_7959928	NC_021162.1	Ca_kabuli_chr03	7959928	TT	GG	1940160649
SNP_P1_36996_7959948	NC_021162.1	Ca_kabuli_chr03	7959948	CC	TT	1940160650
SNP_P1_36997_7963423	NC_021162.1	Ca_kabuli_chr03	7963423	AA	TT	1940160651
SNP_P1_36998_7963472	NC_021162.1	Ca_kabuli_chr03	7963472	AA	GG	1940160652
SNP_P1_36999_7963568	NC_021162.1	Ca_kabuli_chr03	7963568	TT	CC	1940160654
SNP_P1_37000_7963571	NC_021162.1	Ca_kabuli_chr03	7963571	TT	AA	1940160655
SNP_P1_37001_7963783	NC_021162.1	Ca_kabuli_chr03	7963783	TT	CC	1940160656
SNP_P1_37002_7965392	NC_021162.1	Ca_kabuli_chr03	7965392	TT	CC	1940160657
SNP_P1_37003_7972876	NC_021162.1	Ca_kabuli_chr03	7972876	GG	AA	1940160658
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SNP_P1_37005_7979705	NC_021162.1	Ca_kabuli_chr03	7979705	TT	AA	1940160660
SNP_P1_37006_7979711	NC_021162.1	Ca_kabuli_chr03	7979711	GG	TT	1940160661
SNP_P1_37007_7979776	NC_021162.1	Ca_kabuli_chr03	7979776	CC	TT	1940160662
SNP_P1_37008_8026788	NC_021162.1	Ca_kabuli_chr03	8026788	TT	CC	1940160663
SNP_P1_37009_8058436	NC_021162.1	Ca_kabuli_chr03	8058436	AA	TT	1940160664
SNP_P1_37010_8059620	NC_021162.1	Ca_kabuli_chr03	8059620	CC	AA	1940160665
SNP_P1_37012_8062018	NC_021162.1	Ca_kabuli_chr03	8062018	AA	GG	1940160666
SNP_P1_37013_8062043	NC_021162.1	Ca_kabuli_chr03	8062043	TT	CC	1940160667
SNP_P1_37014_8062078	NC_021162.1	Ca_kabuli_chr03	8062078	CC	TT	1940160668
SNP_P1_37015_8062094	NC_021162.1	Ca_kabuli_chr03	8062094	AA	CC	1940160669
SNP_P1_37016_8062098	NC_021162.1	Ca_kabuli_chr03	8062098	TT	CC	1940160670
SNP_P1_37017_8062124	NC_021162.1	Ca_kabuli_chr03	8062124	AA	CC	1940160671
SNP_P1_37018_8062197	NC_021162.1	Ca_kabuli_chr03	8062197	AA	CC	1940160672
SNP_P1_37019_8062311	NC_021162.1	Ca_kabuli_chr03	8062311	CC	TT	1940160673
SNP_P1_37020_8062348	NC_021162.1	Ca_kabuli_chr03	8062348	GG	AA	1940160674

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37022_8062389	NC_021162.1	Ca_kabuli_chr03	8062389	CC	AA	1940160676
SNP_P1_37023_8062451	NC_021162.1	Ca_kabuli_chr03	8062451	AA	CC	1940160677
SNP_P1_37024_8062510	NC_021162.1	Ca_kabuli_chr03	8062510	TT	CC	1940160678
SNP_P1_37025_8064480	NC_021162.1	Ca_kabuli_chr03	8064480	AA	GG	1940160679
SNP_P1_37027_8087929	NC_021162.1	Ca_kabuli_chr03	8087929	AA	GG	1940160680
SNP_P1_37028_8088131	NC_021162.1	Ca_kabuli_chr03	8088131	GG	CC	1940160681
SNP_P1_37029_8088149	NC_021162.1	Ca_kabuli_chr03	8088149	CC	AA	1940160682
SNP_P1_37030_8088257	NC_021162.1	Ca_kabuli_chr03	8088257	AA	CC	1940160683
SNP_P1_37031_8088269	NC_021162.1	Ca_kabuli_chr03	8088269	TT	CC	1940160684
SNP_P1_37033_8088319	NC_021162.1	Ca_kabuli_chr03	8088319	TT	CC	1940160685
SNP_P1_37034_8088345	NC_021162.1	Ca_kabuli_chr03	8088345	GG	AA	1940160686
SNP_P1_37035_8088358	NC_021162.1	Ca_kabuli_chr03	8088358	TT	CC	1940160687
SNP_P1_37036_8088387	NC_021162.1	Ca_kabuli_chr03	8088387	TT	CC	1940160688
SNP_P1_37037_8088394	NC_021162.1	Ca_kabuli_chr03	8088394	TT	CC	1940160689
SNP_P1_37038_8088419	NC_021162.1	Ca_kabuli_chr03	8088419	AA	CC	1940160690
SNP_P1_37039_8088433	NC_021162.1	Ca_kabuli_chr03	8088433	CC	AA	1940160691
SNP_P1_37040_8088434	NC_021162.1	Ca_kabuli_chr03	8088434	TT	GG	1940160692
SNP_P1_37041_8088447	NC_021162.1	Ca_kabuli_chr03	8088447	GG	AA	1940160693
SNP_P1_37042_8088452	NC_021162.1	Ca_kabuli_chr03	8088452	GG	AA	1940160694
SNP_P1_37043_8088479	NC_021162.1	Ca_kabuli_chr03	8088479	AA	TT	1940160695
SNP_P1_37044_8088480	NC_021162.1	Ca_kabuli_chr03	8088480	TT	CC	1940160696
SNP_P1_37045_8088534	NC_021162.1	Ca_kabuli_chr03	8088534	AA	CC	1940160698
SNP_P1_37046_8088586	NC_021162.1	Ca_kabuli_chr03	8088586	TT	CC	1940160699
SNP_P1_37047_8088652	NC_021162.1	Ca_kabuli_chr03	8088652	TT	CC	1940160700
SNP_P1_37048_8088654	NC_021162.1	Ca_kabuli_chr03	8088654	GG	TT	1940160701
SNP_P1_37049_8089354	NC_021162.1	Ca_kabuli_chr03	8089354	AA	GG	1940160702
SNP_P1_37050_8090510	NC_021162.1	Ca_kabuli_chr03	8090510	AA	GG	1940160703
SNP_P1_37051_8099355	NC_021162.1	Ca_kabuli_chr03	8099355	GG	AA	1940160704
SNP_P1_37052_8132239	NC_021162.1	Ca_kabuli_chr03	8132239	TT	CC	1940160705
SNP_P1_37053_8157656	NC_021162.1	Ca_kabuli_chr03	8157656	AA	GG	1940160706
SNP_P1_37054_8157694	NC_021162.1	Ca_kabuli_chr03	8157694	TT	GG	1940160707
SNP_P1_37055_8157702	NC_021162.1	Ca_kabuli_chr03	8157702	TT	CC	1940160708
SNP_P1_37056_8164329	NC_021162.1	Ca_kabuli_chr03	8164329	AA	TT	1940160709
SNP_P1_37057_8172706	NC_021162.1	Ca_kabuli_chr03	8172706	AA	GG	1940160710
SNP_P1_37058_8172716	NC_021162.1	Ca_kabuli_chr03	8172716	AA	GG	1940160711
SNP_P1_37059_8178690	NC_021162.1	Ca_kabuli_chr03	8178690	AA	CC	1940160712
SNP_P1_37061_8200581	NC_021162.1	Ca_kabuli_chr03	8200581	GG	TT	1940160713
SNP_P1_37062_8218350	NC_021162.1	Ca_kabuli_chr03	8218350	AA	TT	1940160714
SNP_P1_37063_8218663	NC_021162.1	Ca_kabuli_chr03	8218663	CC	TT	1940160715
SNP_P1_37064_8222541	NC_021162.1	Ca_kabuli_chr03	8222541	TT	GG	1940160716
SNP_P1_37065_8234620	NC_021162.1	Ca_kabuli_chr03	8234620	AA	TT	1940160717

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37067_8234694	NC_021162.1	Ca_kabuli_chr03	8234694	TT	CC	1940160719
SNP_P1_37068_8234697	NC_021162.1	Ca_kabuli_chr03	8234697	CC	TT	1940160720
SNP_P1_37069_8234899	NC_021162.1	Ca_kabuli_chr03	8234899	AA	GG	1940160721
SNP_P1_37070_8234900	NC_021162.1	Ca_kabuli_chr03	8234900	GG	TT	1940160722
SNP_P1_37071_8234984	NC_021162.1	Ca_kabuli_chr03	8234984	CC	TT	1940160723
SNP_P1_37072_8241251	NC_021162.1	Ca_kabuli_chr03	8241251	AA	CC	1940160724
SNP_P1_37073_8241319	NC_021162.1	Ca_kabuli_chr03	8241319	GG	CC	1940160725
SNP_P1_37074_8241427	NC_021162.1	Ca_kabuli_chr03	8241427	GG	AA	1940160726
SNP_P1_37075_8241449	NC_021162.1	Ca_kabuli_chr03	8241449	AA	GG	1940160727
SNP_P1_37076_8241456	NC_021162.1	Ca_kabuli_chr03	8241456	TT	GG	1940160728
SNP_P1_37077_8241607	NC_021162.1	Ca_kabuli_chr03	8241607	CC	TT	1940160729
SNP_P1_37078_8241880	NC_021162.1	Ca_kabuli_chr03	8241880	AA	GG	1940160730
SNP_P1_37079_8244320	NC_021162.1	Ca_kabuli_chr03	8244320	TT	CC	1940160731
SNP_P1_37081_8245668	NC_021162.1	Ca_kabuli_chr03	8245668	AA	GG	1940160732
SNP_P1_37082_8245671	NC_021162.1	Ca_kabuli_chr03	8245671	AA	CC	1940160733
SNP_P1_37083_8245781	NC_021162.1	Ca_kabuli_chr03	8245781	AA	GG	1940160734
SNP_P1_37084_8275660	NC_021162.1	Ca_kabuli_chr03	8275660	AA	TT	1940160735
SNP_P1_37085_8275673	NC_021162.1	Ca_kabuli_chr03	8275673	TT	AA	1940160737
SNP_P1_37086_8275676	NC_021162.1	Ca_kabuli_chr03	8275676	AA	CC	1940160738
SNP_P1_37087_8277711	NC_021162.1	Ca_kabuli_chr03	8277711	CC	TT	1940160739
SNP_P1_37088_8282897	NC_021162.1	Ca_kabuli_chr03	8282897	TT	CC	1940160740
SNP_P1_37090_8290560	NC_021162.1	Ca_kabuli_chr03	8290560	TT	AA	1940160741
SNP_P1_37091_8300552	NC_021162.1	Ca_kabuli_chr03	8300552	TT	CC	1940160742
SNP_P1_37092_8304850	NC_021162.1	Ca_kabuli_chr03	8304850	TT	CC	1940160743
SNP_P1_37093_8304854	NC_021162.1	Ca_kabuli_chr03	8304854	AA	TT	1940160744
SNP_P1_37094_8304913	NC_021162.1	Ca_kabuli_chr03	8304913	TT	AA	1940160745
SNP_P1_37095_8306740	NC_021162.1	Ca_kabuli_chr03	8306740	TT	CC	1940160746
SNP_P1_37096_8306780	NC_021162.1	Ca_kabuli_chr03	8306780	CC	TT	1940160747
SNP_P1_37097_8306785	NC_021162.1	Ca_kabuli_chr03	8306785	GG	AA	1940160748
SNP_P1_37098_8325330	NC_021162.1	Ca_kabuli_chr03	8325330	GG	TT	1940160749
SNP_P1_37100_8325511	NC_021162.1	Ca_kabuli_chr03	8325511	AA	GG	1940160750
SNP_P1_37101_8337514	NC_021162.1	Ca_kabuli_chr03	8337514	GG	AA	1940160751
SNP_P1_37102_8337563	NC_021162.1	Ca_kabuli_chr03	8337563	CC	TT	1940160752
SNP_P1_37103_8337673	NC_021162.1	Ca_kabuli_chr03	8337673	CC	TT	1940160753
SNP_P1_37104_8359185	NC_021162.1	Ca_kabuli_chr03	8359185	AA	TT	1940160754
SNP_P1_37105_8359463	NC_021162.1	Ca_kabuli_chr03	8359463	CC	AA	1940160755
SNP_P1_37106_8360453	NC_021162.1	Ca_kabuli_chr03	8360453	AA	GG	1940160756
SNP_P1_37107_8360473	NC_021162.1	Ca_kabuli_chr03	8360473	AA	GG	1940160757
SNP_P1_37108_8360509	NC_021162.1	Ca_kabuli_chr03	8360509	GG	AA	1940160758
SNP_P1_37109_8360527	NC_021162.1	Ca_kabuli_chr03	8360527	GG	TT	1940160759
SNP_P1_37110_8360854	NC_021162.1	Ca_kabuli_chr03	8360854	GG	AA	1940160760

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37113_8360912	NC_021162.1	Ca_kabuli_chr03	8360912	CC	TT	1940160762
SNP_P1_37114_8374891	NC_021162.1	Ca_kabuli_chr03	8374891	AA	GG	1940160763
SNP_P1_37115_8374894	NC_021162.1	Ca_kabuli_chr03	8374894	GG	AA	1940160764
SNP_P1_37116_8374896	NC_021162.1	Ca_kabuli_chr03	8374896	TT	CC	1940160765
SNP_P1_37118_8383998	NC_021162.1	Ca_kabuli_chr03	8383998	GG	AA	1940160766
SNP_P1_37119_8386286	NC_021162.1	Ca_kabuli_chr03	8386286	AA	GG	1940160767
SNP_P1_37120_8393049	NC_021162.1	Ca_kabuli_chr03	8393049	GG	AA	1940160768
SNP_P1_37121_8393133	NC_021162.1	Ca_kabuli_chr03	8393133	AA	CC	1940160769
SNP_P1_37123_8394415	NC_021162.1	Ca_kabuli_chr03	8394415	TT	CC	1940160770
SNP_P1_37124_8412352	NC_021162.1	Ca_kabuli_chr03	8412352	GG	AA	1940160771
SNP_P1_37125_8413489	NC_021162.1	Ca_kabuli_chr03	8413489	TT	AA	1940160772
SNP_P1_37126_8436767	NC_021162.1	Ca_kabuli_chr03	8436767	TT	CC	1940160773
SNP_P1_37127_8437126	NC_021162.1	Ca_kabuli_chr03	8437126	TT	GG	1940160774
SNP_P1_37130_8470189	NC_021162.1	Ca_kabuli_chr03	8470189	CC	TT	1940160775
SNP_P1_37131_8488600	NC_021162.1	Ca_kabuli_chr03	8488600	CC	AA	1940160776
SNP_P1_37132_8489677	NC_021162.1	Ca_kabuli_chr03	8489677	TT	GG	1940160777
SNP_P1_37133_8494536	NC_021162.1	Ca_kabuli_chr03	8494536	AA	TT	1940160778
SNP_P1_37134_8500848	NC_021162.1	Ca_kabuli_chr03	8500848	GG	AA	1940160779
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SNP_P1_37136_8501257	NC_021162.1	Ca_kabuli_chr03	8501257	GG	CC	1940160781
SNP_P1_37137_8501451	NC_021162.1	Ca_kabuli_chr03	8501451	AA	GG	1940160782
SNP_P1_37138_8501466	NC_021162.1	Ca_kabuli_chr03	8501466	AA	GG	1940160783
SNP_P1_37139_8501496	NC_021162.1	Ca_kabuli_chr03	8501496	TT	CC	1940160784
SNP_P1_37140_8501500	NC_021162.1	Ca_kabuli_chr03	8501500	GG	CC	1940160785
SNP_P1_37141_8501504	NC_021162.1	Ca_kabuli_chr03	8501504	CC	AA	1940160786
SNP_P1_37142_8501515	NC_021162.1	Ca_kabuli_chr03	8501515	CC	GG	1940160787
SNP_P1_37143_8501829	NC_021162.1	Ca_kabuli_chr03	8501829	AA	GG	1940160788
SNP_P1_37144_8501854	NC_021162.1	Ca_kabuli_chr03	8501854	GG	AA	1940160790
SNP_P1_37145_8501873	NC_021162.1	Ca_kabuli_chr03	8501873	AA	CC	1940160791
SNP_P1_37146_8501874	NC_021162.1	Ca_kabuli_chr03	8501874	GG	TT	1940160792
SNP_P1_37147_8501875	NC_021162.1	Ca_kabuli_chr03	8501875	AA	TT	1940160793
SNP_P1_37148_8501876	NC_021162.1	Ca_kabuli_chr03	8501876	GG	AA	1940160794
SNP_P1_37149_8501878	NC_021162.1	Ca_kabuli_chr03	8501878	GG	CC	1940160795
SNP_P1_37150_8501879	NC_021162.1	Ca_kabuli_chr03	8501879	GG	AA	1940160796
SNP_P1_37152_8527233	NC_021162.1	Ca_kabuli_chr03	8527233	GG	AA	1940160797
SNP_P1_37153_8527266	NC_021162.1	Ca_kabuli_chr03	8527266	AA	GG	1940160798
SNP_P1_37154_8527618	NC_021162.1	Ca_kabuli_chr03	8527618	GG	AA	1940160799
SNP_P1_37155_8527761	NC_021162.1	Ca_kabuli_chr03	8527761	TT	CC	1940160800
SNP_P1_37156_8531751	NC_021162.1	Ca_kabuli_chr03	8531751	GG	AA	1940160801
SNP_P1_37157_8534716	NC_021162.1	Ca_kabuli_chr03	8534716	GG	TT	1940160802
SNP_P1_37158_8535045	NC_021162.1	Ca_kabuli_chr03	8535045	CC	TT	1940160803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37161_8535190	NC_021162.1	Ca_kabuli_chr03	8535190	AA	GG	1940160805
SNP_P1_37162_8535228	NC_021162.1	Ca_kabuli_chr03	8535228	GG	TT	1940160806
SNP_P1_37163_8535241	NC_021162.1	Ca_kabuli_chr03	8535241	AA	CC	1940160807
SNP_P1_37164_8535291	NC_021162.1	Ca_kabuli_chr03	8535291	TT	CC	1940160808
SNP_P1_37165_8535364	NC_021162.1	Ca_kabuli_chr03	8535364	TT	CC	1940160809
SNP_P1_37166_8535369	NC_021162.1	Ca_kabuli_chr03	8535369	TT	CC	1940160810
SNP_P1_37167_8535487	NC_021162.1	Ca_kabuli_chr03	8535487	GG	TT	1940160811
SNP_P1_37168_8535510	NC_021162.1	Ca_kabuli_chr03	8535510	GG	CC	1940160812
SNP_P1_37169_8535523	NC_021162.1	Ca_kabuli_chr03	8535523	AA	GG	1940160813
SNP_P1_37170_8535749	NC_021162.1	Ca_kabuli_chr03	8535749	AA	CC	1940160814
SNP_P1_37171_8535779	NC_021162.1	Ca_kabuli_chr03	8535779	CC	TT	1940160815
SNP_P1_37172_8535920	NC_021162.1	Ca_kabuli_chr03	8535920	TT	CC	1940160816
SNP_P1_37173_8535940	NC_021162.1	Ca_kabuli_chr03	8535940	AA	CC	1940160817
SNP_P1_37174_8536213	NC_021162.1	Ca_kabuli_chr03	8536213	TT	CC	1940160818
SNP_P1_37175_8536275	NC_021162.1	Ca_kabuli_chr03	8536275	CC	TT	1940160819
SNP_P1_37176_8536295	NC_021162.1	Ca_kabuli_chr03	8536295	AA	TT	1940160820
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SNP_P1_37179_8542307	NC_021162.1	Ca_kabuli_chr03	8542307	CC	GG	1940160822
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SNP_P1_37183_8545898	NC_021162.1	Ca_kabuli_chr03	8545898	TT	CC	1940160827
SNP_P1_37184_8545906	NC_021162.1	Ca_kabuli_chr03	8545906	AA	TT	1940160828
SNP_P1_37185_8546011	NC_021162.1	Ca_kabuli_chr03	8546011	TT	CC	1940160829
SNP_P1_37186_8546013	NC_021162.1	Ca_kabuli_chr03	8546013	TT	CC	1940160830
SNP_P1_37187_8550793	NC_021162.1	Ca_kabuli_chr03	8550793	GG	AA	1940160831
SNP_P1_37188_8552217	NC_021162.1	Ca_kabuli_chr03	8552217	AA	GG	1940160832
SNP_P1_37189_8573976	NC_021162.1	Ca_kabuli_chr03	8573976	CC	TT	1940160833
SNP_P1_37190_8582600	NC_021162.1	Ca_kabuli_chr03	8582600	CC	TT	1940160834
SNP_P1_37191_8609778	NC_021162.1	Ca_kabuli_chr03	8609778	GG	CC	1940160835
SNP_P1_37192_8609910	NC_021162.1	Ca_kabuli_chr03	8609910	TT	CC	1940160836
SNP_P1_37193_8611246	NC_021162.1	Ca_kabuli_chr03	8611246	CC	TT	1940160837
SNP_P1_37194_8622958	NC_021162.1	Ca_kabuli_chr03	8622958	AA	GG	1940160838
SNP_P1_37195_8624718	NC_021162.1	Ca_kabuli_chr03	8624718	CC	TT	1940160839
SNP_P1_37196_8624748	NC_021162.1	Ca_kabuli_chr03	8624748	TT	GG	1940160840
SNP_P1_37197_8630483	NC_021162.1	Ca_kabuli_chr03	8630483	TT	CC	1940160841
SNP_P1_37198_8630528	NC_021162.1	Ca_kabuli_chr03	8630528	GG	TT	1940160842
SNP_P1_37199_8635442	NC_021162.1	Ca_kabuli_chr03	8635442	AA	CC	1940160843
SNP_P1_37200_8635443	NC_021162.1	Ca_kabuli_chr03	8635443	CC	TT	1940160844
SNP_P1_37201_8641209	NC_021162.1	Ca_kabuli_chr03	8641209	AA	TT	1940160845
SNP_P1_37202_8645433	NC_021162.1	Ca_kabuli_chr03	8645433	AA	GG	1940160846

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37204_8645463	NC_021162.1	Ca_kabuli_chr03	8645463	CC	GG	1940160848
SNP_P1_37205_8651674	NC_021162.1	Ca_kabuli_chr03	8651674	AA	GG	1940160849
SNP_P1_37206_8651691	NC_021162.1	Ca_kabuli_chr03	8651691	TT	GG	1940160850
SNP_P1_37207_8651707	NC_021162.1	Ca_kabuli_chr03	8651707	CC	TT	1940160851
SNP_P1_37208_8651717	NC_021162.1	Ca_kabuli_chr03	8651717	TT	GG	1940160852
SNP_P1_37209_8651731	NC_021162.1	Ca_kabuli_chr03	8651731	TT	CC	1940160854
SNP_P1_37210_8652654	NC_021162.1	Ca_kabuli_chr03	8652654	CC	AA	1940160855
SNP_P1_37211_8652700	NC_021162.1	Ca_kabuli_chr03	8652700	AA	CC	1940160856
SNP_P1_37212_8653127	NC_021162.1	Ca_kabuli_chr03	8653127	AA	GG	1940160857
SNP_P1_37213_8653154	NC_021162.1	Ca_kabuli_chr03	8653154	CC	TT	1940160858
SNP_P1_37214_8653335	NC_021162.1	Ca_kabuli_chr03	8653335	CC	TT	1940160859
SNP_P1_37215_8653344	NC_021162.1	Ca_kabuli_chr03	8653344	GG	AA	1940160860
SNP_P1_37216_8664093	NC_021162.1	Ca_kabuli_chr03	8664093	AA	GG	1940160861
SNP_P1_37217_8687229	NC_021162.1	Ca_kabuli_chr03	8687229	AA	TT	1940160862
SNP_P1_37218_8715291	NC_021162.1	Ca_kabuli_chr03	8715291	GG	AA	1940160863
SNP_P1_37219_8718643	NC_021162.1	Ca_kabuli_chr03	8718643	GG	AA	1940160864
SNP_P1_37220_8720199	NC_021162.1	Ca_kabuli_chr03	8720199	CC	TT	1940160865
SNP_P1_37221_8723355	NC_021162.1	Ca_kabuli_chr03	8723355	CC	TT	1940160866
SNP_P1_37222_8727540	NC_021162.1	Ca_kabuli_chr03	8727540	AA	GG	1940160867
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SNP_P1_37224_8737612	NC_021162.1	Ca_kabuli_chr03	8737612	AA	CC	1940160869
SNP_P1_37226_8756399	NC_021162.1	Ca_kabuli_chr03	8756399	CC	TT	1940160870
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SNP_P1_37230_8758481	NC_021162.1	Ca_kabuli_chr03	8758481	AA	GG	1940160873
SNP_P1_37231_8776093	NC_021162.1	Ca_kabuli_chr03	8776093	AA	TT	1940160874
SNP_P1_37232_8778641	NC_021162.1	Ca_kabuli_chr03	8778641	GG	AA	1940160875
SNP_P1_37233_8781540	NC_021162.1	Ca_kabuli_chr03	8781540	CC	GG	1940160876
SNP_P1_37234_8781548	NC_021162.1	Ca_kabuli_chr03	8781548	TT	GG	1940160877
SNP_P1_37235_8784085	NC_021162.1	Ca_kabuli_chr03	8784085	GG	TT	1940160878
SNP_P1_37236_8795909	NC_021162.1	Ca_kabuli_chr03	8795909	GG	AA	1940160879
SNP_P1_37237_8800934	NC_021162.1	Ca_kabuli_chr03	8800934	TT	AA	1940160881
SNP_P1_37238_8800937	NC_021162.1	Ca_kabuli_chr03	8800937	TT	GG	1940160882
SNP_P1_37239_8800981	NC_021162.1	Ca_kabuli_chr03	8800981	GG	AA	1940160883
SNP_P1_37240_8804159	NC_021162.1	Ca_kabuli_chr03	8804159	TT	CC	1940160884
SNP_P1_37241_8805232	NC_021162.1	Ca_kabuli_chr03	8805232	GG	CC	1940160885
SNP_P1_37242_8811740	NC_021162.1	Ca_kabuli_chr03	8811740	GG	AA	1940160886
SNP_P1_37244_8823707	NC_021162.1	Ca_kabuli_chr03	8823707	AA	CC	1940160887
SNP_P1_37246_8829413	NC_021162.1	Ca_kabuli_chr03	8829413	TT	CC	1940160888
SNP_P1_37247_8836868	NC_021162.1	Ca_kabuli_chr03	8836868	TT	CC	1940160889
SNP_P1_37248_8860740	NC_021162.1	Ca_kabuli_chr03	8860740	AA	CC	1940160890

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37250_8861013	NC_021162.1	Ca_kabuli_chr03	8861013	CC	TT	1940160892
SNP_P1_37252_8900268	NC_021162.1	Ca_kabuli_chr03	8900268	AA	GG	1940160893
SNP_P1_37253_8900674	NC_021162.1	Ca_kabuli_chr03	8900674	CC	TT	1940160894
SNP_P1_37254_8900677	NC_021162.1	Ca_kabuli_chr03	8900677	AA	GG	1940160895
SNP_P1_37255_8900686	NC_021162.1	Ca_kabuli_chr03	8900686	AA	CC	1940160896
SNP_P1_37256_8920961	NC_021162.1	Ca_kabuli_chr03	8920961	AA	CC	1940160897
SNP_P1_37257_8926355	NC_021162.1	Ca_kabuli_chr03	8926355	CC	TT	1940160898
SNP_P1_37258_8931632	NC_021162.1	Ca_kabuli_chr03	8931632	CC	AA	1940160899
SNP_P1_37259_8932359	NC_021162.1	Ca_kabuli_chr03	8932359	CC	GG	1940160901
SNP_P1_37260_8932363	NC_021162.1	Ca_kabuli_chr03	8932363	TT	CC	1940160902
SNP_P1_37261_8932372	NC_021162.1	Ca_kabuli_chr03	8932372	GG	AA	1940160903
SNP_P1_37262_8932451	NC_021162.1	Ca_kabuli_chr03	8932451	TT	CC	1940160904
SNP_P1_37263_8932537	NC_021162.1	Ca_kabuli_chr03	8932537	AA	TT	1940160905
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SNP_P1_37265_8932682	NC_021162.1	Ca_kabuli_chr03	8932682	CC	AA	1940160907
SNP_P1_37266_8932755	NC_021162.1	Ca_kabuli_chr03	8932755	TT	AA	1940160908
SNP_P1_37267_8932783	NC_021162.1	Ca_kabuli_chr03	8932783	GG	AA	1940160909
SNP_P1_37268_8932797	NC_021162.1	Ca_kabuli_chr03	8932797	AA	TT	1940160910
SNP_P1_37269_8932912	NC_021162.1	Ca_kabuli_chr03	8932912	AA	CC	1940160911
SNP_P1_37270_8932930	NC_021162.1	Ca_kabuli_chr03	8932930	AA	GG	1940160912
SNP_P1_37271_8933575	NC_021162.1	Ca_kabuli_chr03	8933575	CC	TT	1940160913
SNP_P1_37272_8933638	NC_021162.1	Ca_kabuli_chr03	8933638	GG	AA	1940160914
SNP_P1_37273_8933978	NC_021162.1	Ca_kabuli_chr03	8933978	TT	CC	1940160915
SNP_P1_37274_8933994	NC_021162.1	Ca_kabuli_chr03	8933994	TT	CC	1940160916
SNP_P1_37275_8941732	NC_021162.1	Ca_kabuli_chr03	8941732	AA	GG	1940160917
SNP_P1_37276_8941738	NC_021162.1	Ca_kabuli_chr03	8941738	CC	AA	1940160918
SNP_P1_37277_8941857	NC_021162.1	Ca_kabuli_chr03	8941857	AA	TT	1940160919
SNP_P1_37278_8941858	NC_021162.1	Ca_kabuli_chr03	8941858	TT	AA	1940160920
SNP_P1_37281_8977205	NC_021162.1	Ca_kabuli_chr03	8977205	CC	TT	1940160921
SNP_P1_37282_8977207	NC_021162.1	Ca_kabuli_chr03	8977207	GG	AA	1940160922
SNP_P1_37283_8992525	NC_021162.1	Ca_kabuli_chr03	8992525	AA	GG	1940160923
SNP_P1_37284_8992527	NC_021162.1	Ca_kabuli_chr03	8992527	AA	GG	1940160924
SNP_P1_37285_9012017	NC_021162.1	Ca_kabuli_chr03	9012017	AA	TT	1940160925
SNP_P1_37286_9041515	NC_021162.1	Ca_kabuli_chr03	9041515	AA	TT	1940160926
SNP_P1_37287_9041758	NC_021162.1	Ca_kabuli_chr03	9041758	GG	AA	1940160927
SNP_P1_37288_9042199	NC_021162.1	Ca_kabuli_chr03	9042199	TT	AA	1940160928
SNP_P1_37289_9059206	NC_021162.1	Ca_kabuli_chr03	9059206	AA	GG	1940160929
SNP_P1_37290_9060398	NC_021162.1	Ca_kabuli_chr03	9060398	TT	CC	1940160930
SNP_P1_37291_9060444	NC_021162.1	Ca_kabuli_chr03	9060444	TT	AA	1940160932
SNP_P1_37292_9060445	NC_021162.1	Ca_kabuli_chr03	9060445	AA	GG	1940160933
SNP_P1_37293_9060506	NC_021162.1	Ca_kabuli_chr03	9060506	AA	TT	1940160934

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37295_9060688	NC_021162.1	Ca_kabuli_chr03	9060688	CC	TT	1940160936
SNP_P1_37296_9060817	NC_021162.1	Ca_kabuli_chr03	9060817	GG	AA	1940160937
SNP_P1_37297_9060829	NC_021162.1	Ca_kabuli_chr03	9060829	CC	TT	1940160938
SNP_P1_37298_9060937	NC_021162.1	Ca_kabuli_chr03	9060937	GG	AA	1940160939
SNP_P1_37299_9063882	NC_021162.1	Ca_kabuli_chr03	9063882	CC	TT	1940160940
SNP_P1_37300_9063884	NC_021162.1	Ca_kabuli_chr03	9063884	AA	GG	1940160941
SNP_P1_37301_9063902	NC_021162.1	Ca_kabuli_chr03	9063902	CC	TT	1940160942
SNP_P1_37302_9063911	NC_021162.1	Ca_kabuli_chr03	9063911	GG	AA	1940160943
SNP_P1_37303_9063938	NC_021162.1	Ca_kabuli_chr03	9063938	AA	GG	1940160944
SNP_P1_37304_9063941	NC_021162.1	Ca_kabuli_chr03	9063941	TT	GG	1940160945
SNP_P1_37305_9063944	NC_021162.1	Ca_kabuli_chr03	9063944	AA	GG	1940160946
SNP_P1_37306_9063962	NC_021162.1	Ca_kabuli_chr03	9063962	AA	GG	1940160947
SNP_P1_37307_9063965	NC_021162.1	Ca_kabuli_chr03	9063965	GG	AA	1940160948
SNP_P1_37308_9063974	NC_021162.1	Ca_kabuli_chr03	9063974	AA	GG	1940160949
SNP_P1_37309_9063977	NC_021162.1	Ca_kabuli_chr03	9063977	TT	CC	1940160950
SNP_P1_37310_9063994	NC_021162.1	Ca_kabuli_chr03	9063994	GG	TT	1940160951
SNP_P1_37311_9064024	NC_021162.1	Ca_kabuli_chr03	9064024	AA	GG	1940160952
SNP_P1_37312_9064026	NC_021162.1	Ca_kabuli_chr03	9064026	AA	GG	1940160953
SNP_P1_37313_9064027	NC_021162.1	Ca_kabuli_chr03	9064027	TT	CC	1940160954
SNP_P1_37314_9064103	NC_021162.1	Ca_kabuli_chr03	9064103	TT	CC	1940160955
SNP_P1_37315_9064142	NC_021162.1	Ca_kabuli_chr03	9064142	AA	GG	1940160956
SNP_P1_37316_9064490	NC_021162.1	Ca_kabuli_chr03	9064490	AA	GG	1940160957
SNP_P1_37317_9064523	NC_021162.1	Ca_kabuli_chr03	9064523	AA	GG	1940160958
SNP_P1_37318_9064533	NC_021162.1	Ca_kabuli_chr03	9064533	GG	AA	1940160959
SNP_P1_37319_9064556	NC_021162.1	Ca_kabuli_chr03	9064556	GG	AA	1940160960
SNP_P1_37320_9066977	NC_021162.1	Ca_kabuli_chr03	9066977	AA	GG	1940160961
SNP_P1_37321_9067061	NC_021162.1	Ca_kabuli_chr03	9067061	CC	TT	1940160962
SNP_P1_37322_9067342	NC_021162.1	Ca_kabuli_chr03	9067342	GG	CC	1940160963
SNP_P1_37323_9067373	NC_021162.1	Ca_kabuli_chr03	9067373	AA	GG	1940160964
SNP_P1_37324_9067400	NC_021162.1	Ca_kabuli_chr03	9067400	AA	GG	1940160966
SNP_P1_37325_9067414	NC_021162.1	Ca_kabuli_chr03	9067414	CC	TT	1940160967
SNP_P1_37326_9067425	NC_021162.1	Ca_kabuli_chr03	9067425	AA	GG	1940160968
SNP_P1_37327_9067479	NC_021162.1	Ca_kabuli_chr03	9067479	GG	AA	1940160969
SNP_P1_37328_9067482	NC_021162.1	Ca_kabuli_chr03	9067482	TT	CC	1940160970
SNP_P1_37329_9068085	NC_021162.1	Ca_kabuli_chr03	9068085	GG	TT	1940160971
SNP_P1_37330_9068216	NC_021162.1	Ca_kabuli_chr03	9068216	AA	GG	1940160972
SNP_P1_37331_9069190	NC_021162.1	Ca_kabuli_chr03	9069190	GG	AA	1940160973
SNP_P1_37332_9080702	NC_021162.1	Ca_kabuli_chr03	9080702	CC	TT	1940160974
SNP_P1_37333_9080715	NC_021162.1	Ca_kabuli_chr03	9080715	TT	CC	1940160975
SNP_P1_37334_9080718	NC_021162.1	Ca_kabuli_chr03	9080718	CC	TT	1940160976
SNP_P1_37335_9080719	NC_021162.1	Ca_kabuli_chr03	9080719	AA	GG	1940160977

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37338_9144640	NC_021162.1	Ca_kabuli_chr03	9144640	GG	CC	1940160980
SNP_P1_37339_9144662	NC_021162.1	Ca_kabuli_chr03	9144662	TT	AA	1940160981
SNP_P1_37340_9145288	NC_021162.1	Ca_kabuli_chr03	9145288	CC	TT	1940160982
SNP_P1_37342_9160579	NC_021162.1	Ca_kabuli_chr03	9160579	CC	TT	1940160983
SNP_P1_37343_9160581	NC_021162.1	Ca_kabuli_chr03	9160581	AA	GG	1940160984
SNP_P1_37346_9196325	NC_021162.1	Ca_kabuli_chr03	9196325	TT	CC	1940160985
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SNP_P1_37348_9204132	NC_021162.1	Ca_kabuli_chr03	9204132	AA	GG	1940160987
SNP_P1_37349_9204204	NC_021162.1	Ca_kabuli_chr03	9204204	GG	AA	1940160988
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SNP_P1_37351_9206888	NC_021162.1	Ca_kabuli_chr03	9206888	AA	CC	1940160990
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SNP_P1_37354_9206914	NC_021162.1	Ca_kabuli_chr03	9206914	CC	AA	1940160993
SNP_P1_37355_9209999	NC_021162.1	Ca_kabuli_chr03	9209999	CC	GG	1940160994
SNP_P1_37357_9230532	NC_021162.1	Ca_kabuli_chr03	9230532	CC	TT	1940160995
SNP_P1_37359_9289289	NC_021162.1	Ca_kabuli_chr03	9289289	TT	AA	1940160996
SNP_P1_37360_9290195	NC_021162.1	Ca_kabuli_chr03	9290195	CC	TT	1940160997
SNP_P1_37361_9305229	NC_021162.1	Ca_kabuli_chr03	9305229	TT	GG	1940160998
SNP_P1_37362_9305235	NC_021162.1	Ca_kabuli_chr03	9305235	TT	CC	1940161000
SNP_P1_37363_9340950	NC_021162.1	Ca_kabuli_chr03	9340950	GG	AA	1940161001
SNP_P1_37364_9366999	NC_021162.1	Ca_kabuli_chr03	9366999	AA	CC	1940161002
SNP_P1_37365_9367160	NC_021162.1	Ca_kabuli_chr03	9367160	TT	GG	1940161003
SNP_P1_37367_9367450	NC_021162.1	Ca_kabuli_chr03	9367450	CC	GG	1940161004
SNP_P1_37369_9374597	NC_021162.1	Ca_kabuli_chr03	9374597	AA	GG	1940161005
SNP_P1_37372_9396703	NC_021162.1	Ca_kabuli_chr03	9396703	CC	AA	1940161006
SNP_P1_37373_9400875	NC_021162.1	Ca_kabuli_chr03	9400875	AA	TT	1940161007
SNP_P1_37375_9404996	NC_021162.1	Ca_kabuli_chr03	9404996	CC	AA	1940161008
SNP_P1_37376_9408047	NC_021162.1	Ca_kabuli_chr03	9408047	GG	AA	1940161009
SNP_P1_37379_9416426	NC_021162.1	Ca_kabuli_chr03	9416426	AA	GG	1940161010
SNP_P1_37380_9418612	NC_021162.1	Ca_kabuli_chr03	9418612	GG	CC	1940161011
SNP_P1_37381_9418622	NC_021162.1	Ca_kabuli_chr03	9418622	AA	GG	1940161012
SNP_P1_37383_9429354	NC_021162.1	Ca_kabuli_chr03	9429354	GG	CC	1940161013
SNP_P1_37384_9429651	NC_021162.1	Ca_kabuli_chr03	9429651	AA	GG	1940161014
SNP_P1_37385_9429673	NC_021162.1	Ca_kabuli_chr03	9429673	AA	GG	1940161015
SNP_P1_37386_9429684	NC_021162.1	Ca_kabuli_chr03	9429684	CC	TT	1940161016
SNP_P1_37387_9429688	NC_021162.1	Ca_kabuli_chr03	9429688	TT	CC	1940161017
SNP_P1_37388_9429751	NC_021162.1	Ca_kabuli_chr03	9429751	AA	GG	1940161018
SNP_P1_37389_9429779	NC_021162.1	Ca_kabuli_chr03	9429779	TT	CC	1940161019
SNP_P1_37390_9435132	NC_021162.1	Ca_kabuli_chr03	9435132	CC	TT	1940161020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37395_9510398	NC_021162.1	Ca_kabuli_chr03	9510398	AA	GG	1940161022
SNP_P1_37396_9510407	NC_021162.1	Ca_kabuli_chr03	9510407	AA	TT	1940161023
SNP_P1_37397_9510467	NC_021162.1	Ca_kabuli_chr03	9510467	AA	GG	1940161024
SNP_P1_37398_9520829	NC_021162.1	Ca_kabuli_chr03	9520829	TT	GG	1940161025
SNP_P1_37399_9521441	NC_021162.1	Ca_kabuli_chr03	9521441	GG	AA	1940161026
SNP_P1_37400_9527174	NC_021162.1	Ca_kabuli_chr03	9527174	AA	CC	1940161027
SNP_P1_37401_9533944	NC_021162.1	Ca_kabuli_chr03	9533944	GG	TT	1940161028
SNP_P1_37402_9540575	NC_021162.1	Ca_kabuli_chr03	9540575	TT	GG	1940161029
SNP_P1_37403_9541205	NC_021162.1	Ca_kabuli_chr03	9541205	GG	AA	1940161030
SNP_P1_37404_9541256	NC_021162.1	Ca_kabuli_chr03	9541256	AA	TT	1940161032
SNP_P1_37405_9542032	NC_021162.1	Ca_kabuli_chr03	9542032	GG	CC	1940161033
SNP_P1_37406_9542398	NC_021162.1	Ca_kabuli_chr03	9542398	GG	AA	1940161034
SNP_P1_37407_9543235	NC_021162.1	Ca_kabuli_chr03	9543235	TT	AA	1940161035
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SNP_P1_37409_9544618	NC_021162.1	Ca_kabuli_chr03	9544618	TT	AA	1940161037
SNP_P1_37410_9544623	NC_021162.1	Ca_kabuli_chr03	9544623	CC	TT	1940161038
SNP_P1_37411_9544630	NC_021162.1	Ca_kabuli_chr03	9544630	GG	AA	1940161039
SNP_P1_37414_9577875	NC_021162.1	Ca_kabuli_chr03	9577875	AA	GG	1940161040
SNP_P1_37415_9577902	NC_021162.1	Ca_kabuli_chr03	9577902	CC	GG	1940161041
SNP_P1_37417_9577987	NC_021162.1	Ca_kabuli_chr03	9577987	AA	GG	1940161042
SNP_P1_37418_9578032	NC_021162.1	Ca_kabuli_chr03	9578032	TT	CC	1940161043
SNP_P1_37419_9578048	NC_021162.1	Ca_kabuli_chr03	9578048	GG	TT	1940161044
SNP_P1_37420_9578264	NC_021162.1	Ca_kabuli_chr03	9578264	TT	CC	1940161045
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SNP_P1_37423_9578346	NC_021162.1	Ca_kabuli_chr03	9578346	TT	CC	1940161047
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SNP_P1_37426_9578688	NC_021162.1	Ca_kabuli_chr03	9578688	AA	GG	1940161050
SNP_P1_37427_9578841	NC_021162.1	Ca_kabuli_chr03	9578841	CC	TT	1940161051
SNP_P1_37428_9583974	NC_021162.1	Ca_kabuli_chr03	9583974	GG	AA	1940161052
SNP_P1_37429_9584412	NC_021162.1	Ca_kabuli_chr03	9584412	GG	AA	1940161053
SNP_P1_37430_9584677	NC_021162.1	Ca_kabuli_chr03	9584677	AA	GG	1940161054
SNP_P1_37431_9584678	NC_021162.1	Ca_kabuli_chr03	9584678	CC	AA	1940161055
SNP_P1_37432_9587717	NC_021162.1	Ca_kabuli_chr03	9587717	CC	AA	1940161056
SNP_P1_37433_9621789	NC_021162.1	Ca_kabuli_chr03	9621789	GG	AA	1940161057
SNP_P1_37434_9622867	NC_021162.1	Ca_kabuli_chr03	9622867	CC	AA	1940161058
SNP_P1_37435_9628749	NC_021162.1	Ca_kabuli_chr03	9628749	GG	TT	1940161059
SNP_P1_37436_9638221	NC_021162.1	Ca_kabuli_chr03	9638221	AA	CC	1940161060
SNP_P1_37437_9638655	NC_021162.1	Ca_kabuli_chr03	9638655	AA	GG	1940161062
SNP_P1_37438_9649822	NC_021162.1	Ca_kabuli_chr03	9649822	GG	TT	1940161063
SNP_P1_37439_9649887	NC_021162.1	Ca_kabuli_chr03	9649887	GG	AA	1940161064

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37442_9649959	NC_021162.1	Ca_kabuli_chr03	9649959	TT	CC	1940161067
SNP_P1_37443_9650310	NC_021162.1	Ca_kabuli_chr03	9650310	GG	TT	1940161068
SNP_P1_37444_9650499	NC_021162.1	Ca_kabuli_chr03	9650499	AA	CC	1940161069
SNP_P1_37445_9650559	NC_021162.1	Ca_kabuli_chr03	9650559	GG	AA	1940161070
SNP_P1_37446_9650583	NC_021162.1	Ca_kabuli_chr03	9650583	TT	CC	1940161071
SNP_P1_37447_9650654	NC_021162.1	Ca_kabuli_chr03	9650654	CC	TT	1940161072
SNP_P1_37448_9673203	NC_021162.1	Ca_kabuli_chr03	9673203	TT	CC	1940161073
SNP_P1_37449_9719545	NC_021162.1	Ca_kabuli_chr03	9719545	GG	AA	1940161074
SNP_P1_37451_9764841	NC_021162.1	Ca_kabuli_chr03	9764841	TT	CC	1940161075
SNP_P1_37453_9785182	NC_021162.1	Ca_kabuli_chr03	9785182	AA	TT	1940161076
SNP_P1_37454_9795373	NC_021162.1	Ca_kabuli_chr03	9795373	TT	GG	1940161077
SNP_P1_37455_9816487	NC_021162.1	Ca_kabuli_chr03	9816487	AA	TT	1940161078
SNP_P1_37456_9820248	NC_021162.1	Ca_kabuli_chr03	9820248	TT	CC	1940161079
SNP_P1_37457_9820249	NC_021162.1	Ca_kabuli_chr03	9820249	TT	CC	1940161080
SNP_P1_37458_9820265	NC_021162.1	Ca_kabuli_chr03	9820265	TT	GG	1940161081
SNP_P1_37459_9820285	NC_021162.1	Ca_kabuli_chr03	9820285	TT	CC	1940161082
SNP_P1_37460_9849186	NC_021162.1	Ca_kabuli_chr03	9849186	TT	AA	1940161083
SNP_P1_37461_9870764	NC_021162.1	Ca_kabuli_chr03	9870764	TT	CC	1940161084
SNP_P1_37462_9883097	NC_021162.1	Ca_kabuli_chr03	9883097	GG	CC	1940161085
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SNP_P1_37466_9940684	NC_021162.1	Ca_kabuli_chr03	9940684	AA	GG	1940161087
SNP_P1_37467_9940742	NC_021162.1	Ca_kabuli_chr03	9940742	AA	GG	1940161088
SNP_P1_37468_9940746	NC_021162.1	Ca_kabuli_chr03	9940746	GG	AA	1940161089
SNP_P1_37469_9967426	NC_021162.1	Ca_kabuli_chr03	9967426	GG	TT	1940161090
SNP_P1_37470_9967449	NC_021162.1	Ca_kabuli_chr03	9967449	CC	AA	1940161091
SNP_P1_37471_9967682	NC_021162.1	Ca_kabuli_chr03	9967682	TT	GG	1940161092
SNP_P1_37472_9967716	NC_021162.1	Ca_kabuli_chr03	9967716	AA	GG	1940161093
SNP_P1_37473_9967749	NC_021162.1	Ca_kabuli_chr03	9967749	TT	CC	1940161094
SNP_P1_37474_9967750	NC_021162.1	Ca_kabuli_chr03	9967750	AA	TT	1940161095
SNP_P1_37475_9967802	NC_021162.1	Ca_kabuli_chr03	9967802	TT	CC	1940161096
SNP_P1_37476_9967812	NC_021162.1	Ca_kabuli_chr03	9967812	AA	GG	1940161097
SNP_P1_37477_9970935	NC_021162.1	Ca_kabuli_chr03	9970935	CC	TT	1940161098
SNP_P1_37478_9970939	NC_021162.1	Ca_kabuli_chr03	9970939	GG	TT	1940161099
SNP_P1_37479_9970957	NC_021162.1	Ca_kabuli_chr03	9970957	GG	TT	1940161100
SNP_P1_37480_9970959	NC_021162.1	Ca_kabuli_chr03	9970959	GG	AA	1940161101
SNP_P1_37481_9981830	NC_021162.1	Ca_kabuli_chr03	9981830	GG	TT	1940161102
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SNP_P1_37483_10007419	NC_021162.1	Ca_kabuli_chr03	10007419	AA	GG	1940161104
SNP_P1_37484_10007448	NC_021162.1	Ca_kabuli_chr03	10007448	TT	GG	1940161105
SNP_P1_37485_10007464	NC_021162.1	Ca_kabuli_chr03	10007464	TT	AA	1940161106

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37489_10026538	NC_021162.1	Ca_kabuli_chr03	10026538	TT	AA	1940161109
SNP_P1_37490_10026674	NC_021162.1	Ca_kabuli_chr03	10026674	CC	TT	1940161110
SNP_P1_37491_10026736	NC_021162.1	Ca_kabuli_chr03	10026736	GG	AA	1940161111
SNP_P1_37493_10051995	NC_021162.1	Ca_kabuli_chr03	10051995	TT	AA	1940161112
SNP_P1_37494_10052036	NC_021162.1	Ca_kabuli_chr03	10052036	AA	GG	1940161113
SNP_P1_37496_10079378	NC_021162.1	Ca_kabuli_chr03	10079378	TT	AA	1940161114
SNP_P1_37497_10079421	NC_021162.1	Ca_kabuli_chr03	10079421	AA	TT	1940161115
SNP_P1_37498_10079811	NC_021162.1	Ca_kabuli_chr03	10079811	TT	GG	1940161116
SNP_P1_37499_10079833	NC_021162.1	Ca_kabuli_chr03	10079833	TT	CC	1940161117
SNP_P1_37500_10080350	NC_021162.1	Ca_kabuli_chr03	10080350	AA	TT	1940161119
SNP_P1_37501_10094580	NC_021162.1	Ca_kabuli_chr03	10094580	GG	TT	1940161120
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SNP_P1_37504_10094657	NC_021162.1	Ca_kabuli_chr03	10094657	AA	GG	1940161123
SNP_P1_37505_10095191	NC_021162.1	Ca_kabuli_chr03	10095191	AA	CC	1940161124
SNP_P1_37506_10127364	NC_021162.1	Ca_kabuli_chr03	10127364	GG	AA	1940161125
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SNP_P1_37515_10159639	NC_021162.1	Ca_kabuli_chr03	10159639	TT	CC	1940161133
SNP_P1_37516_10159710	NC_021162.1	Ca_kabuli_chr03	10159710	TT	CC	1940161134
SNP_P1_37517_10169165	NC_021162.1	Ca_kabuli_chr03	10169165	GG	AA	1940161135
SNP_P1_37518_10169196	NC_021162.1	Ca_kabuli_chr03	10169196	GG	AA	1940161136
SNP_P1_37519_10169224	NC_021162.1	Ca_kabuli_chr03	10169224	AA	GG	1940161137
SNP_P1_37520_10169335	NC_021162.1	Ca_kabuli_chr03	10169335	TT	CC	1940161138
SNP_P1_37521_10169512	NC_021162.1	Ca_kabuli_chr03	10169512	AA	GG	1940161139
SNP_P1_37522_10169553	NC_021162.1	Ca_kabuli_chr03	10169553	AA	CC	1940161140
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SNP_P1_37524_10169615	NC_021162.1	Ca_kabuli_chr03	10169615	AA	GG	1940161142
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SNP_P1_37526_10169833	NC_021162.1	Ca_kabuli_chr03	10169833	AA	GG	1940161144
SNP_P1_37527_10169837	NC_021162.1	Ca_kabuli_chr03	10169837	TT	AA	1940161145
SNP_P1_37529_10180057	NC_021162.1	Ca_kabuli_chr03	10180057	AA	GG	1940161146
SNP_P1_37530_10184259	NC_021162.1	Ca_kabuli_chr03	10184259	AA	GG	1940161147
SNP_P1_37531_10184268	NC_021162.1	Ca_kabuli_chr03	10184268	TT	CC	1940161148
SNP_P1_37532_10184335	NC_021162.1	Ca_kabuli_chr03	10184335	GG	AA	1940161149

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37536_10184519	NC_021162.1	Ca_kabuli_chr03	10184519	AA	TT	1940161153
SNP_P1_37537_10184523	NC_021162.1	Ca_kabuli_chr03	10184523	TT	CC	1940161154
SNP_P1_37538_10184548	NC_021162.1	Ca_kabuli_chr03	10184548	AA	CC	1940161155
SNP_P1_37539_10184968	NC_021162.1	Ca_kabuli_chr03	10184968	AA	GG	1940161156
SNP_P1_37541_10189322	NC_021162.1	Ca_kabuli_chr03	10189322	GG	AA	1940161157
SNP_P1_37542_10193992	NC_021162.1	Ca_kabuli_chr03	10193992	TT	GG	1940161158
SNP_P1_37545_10252137	NC_021162.1	Ca_kabuli_chr03	10252137	TT	CC	1940161159
SNP_P1_37546_10254827	NC_021162.1	Ca_kabuli_chr03	10254827	AA	GG	1940161160
SNP_P1_37547_10254917	NC_021162.1	Ca_kabuli_chr03	10254917	TT	CC	1940161161
SNP_P1_37548_10255230	NC_021162.1	Ca_kabuli_chr03	10255230	AA	GG	1940161162
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SNP_P1_37553_10294440	NC_021162.1	Ca_kabuli_chr03	10294440	CC	TT	1940161167
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SNP_P1_37559_10342731	NC_021162.1	Ca_kabuli_chr03	10342731	AA	GG	1940161172
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SNP_P1_37565_10407092	NC_021162.1	Ca_kabuli_chr03	10407092	TT	CC	1940161177
SNP_P1_37566_10425423	NC_021162.1	Ca_kabuli_chr03	10425423	GG	AA	1940161178
SNP_P1_37567_10442579	NC_021162.1	Ca_kabuli_chr03	10442579	GG	TT	1940161179
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SNP_P1_37570_10499556	NC_021162.1	Ca_kabuli_chr03	10499556	TT	GG	1940161181
SNP_P1_37571_10505142	NC_021162.1	Ca_kabuli_chr03	10505142	AA	CC	1940161182
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SNP_P1_37573_10505263	NC_021162.1	Ca_kabuli_chr03	10505263	AA	CC	1940161184
SNP_P1_37574_10505474	NC_021162.1	Ca_kabuli_chr03	10505474	CC	TT	1940161185
SNP_P1_37575_10505505	NC_021162.1	Ca_kabuli_chr03	10505505	TT	CC	1940161186
SNP_P1_37576_10516074	NC_021162.1	Ca_kabuli_chr03	10516074	CC	TT	1940161187
SNP_P1_37577_10524253	NC_021162.1	Ca_kabuli_chr03	10524253	TT	CC	1940161188
SNP_P1_37578_10590180	NC_021162.1	Ca_kabuli_chr03	10590180	TT	CC	1940161189
SNP_P1_37579_10594859	NC_021162.1	Ca_kabuli_chr03	10594859	CC	AA	1940161190
SNP_P1_37580_10594902	NC_021162.1	Ca_kabuli_chr03	10594902	CC	TT	1940161191
SNP_P1_37581_10602836	NC_021162.1	Ca_kabuli_chr03	10602836	AA	CC	1940161192

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_37582_10603132	NC_021162.1	Ca_kabuli_chr03	10603132	AA	GG	1940161193
SNP_P1_37583_10603751	NC_021162.1	Ca_kabuli_chr03	10603751	TT	CC	1940161194
SNP_P1_37584_10603752	NC_021162.1	Ca_kabuli_chr03	10603752	CC	TT	1940161195
SNP_P1_37585_10610099	NC_021162.1	Ca_kabuli_chr03	10610099	GG	TT	1940161196
SNP_P1_37586_10663701	NC_021162.1	Ca_kabuli_chr03	10663701	TT	AA	1940161197
SNP_P1_37587_10670280	NC_021162.1	Ca_kabuli_chr03	10670280	TT	CC	1940161198
SNP_P1_37588_10670635	NC_021162.1	Ca_kabuli_chr03	10670635	AA	GG	1940161199
SNP_P1_37589_10683849	NC_021162.1	Ca_kabuli_chr03	10683849	CC	GG	1940161200
SNP_P1_37590_10683854	NC_021162.1	Ca_kabuli_chr03	10683854	GG	TT	1940161201
SNP_P1_37592_10726711	NC_021162.1	Ca_kabuli_chr03	10726711	AA	GG	1940161202
SNP_P1_37595_10851541	NC_021162.1	Ca_kabuli_chr03	10851541	AA	GG	1940161203
SNP_P1_37596_10851590	NC_021162.1	Ca_kabuli_chr03	10851590	TT	CC	1940161204
SNP_P1_37597_10851610	NC_021162.1	Ca_kabuli_chr03	10851610	AA	GG	1940161205
SNP_P1_37598_10851683	NC_021162.1	Ca_kabuli_chr03	10851683	GG	AA	1940161206
SNP_P1_37599_10851707	NC_021162.1	Ca_kabuli_chr03	10851707	AA	GG	1940161207
SNP_P1_37600_10851878	NC_021162.1	Ca_kabuli_chr03	10851878	TT	CC	1940161208
SNP_P1_37601_10851895	NC_021162.1	Ca_kabuli_chr03	10851895	AA	GG	1940161209
SNP_P1_37602_10852009	NC_021162.1	Ca_kabuli_chr03	10852009	AA	GG	1940161210
SNP_P1_37603_10852024	NC_021162.1	Ca_kabuli_chr03	10852024	AA	GG	1940161211
SNP_P1_37604_10856412	NC_021162.1	Ca_kabuli_chr03	10856412	GG	AA	1940161212
SNP_P1_37606_10892832	NC_021162.1	Ca_kabuli_chr03	10892832	GG	AA	1940161213
SNP_P1_37608_10919080	NC_021162.1	Ca_kabuli_chr03	10919080	GG	AA	1940161214
SNP_P1_37609_10920394	NC_021162.1	Ca_kabuli_chr03	10920394	TT	CC	1940161215
SNP_P1_37610_10921755	NC_021162.1	Ca_kabuli_chr03	10921755	GG	AA	1940161216
SNP_P1_37611_10922352	NC_021162.1	Ca_kabuli_chr03	10922352	TT	GG	1940161217
SNP_P1_37612_10922384	NC_021162.1	Ca_kabuli_chr03	10922384	CC	TT	1940161218
SNP_P1_37613_10922400	NC_021162.1	Ca_kabuli_chr03	10922400	TT	CC	1940161219
SNP_P1_37614_10922915	NC_021162.1	Ca_kabuli_chr03	10922915	TT	GG	1940161220
SNP_P1_37615_10923019	NC_021162.1	Ca_kabuli_chr03	10923019	TT	AA	1940161221
SNP_P1_37616_10923031	NC_021162.1	Ca_kabuli_chr03	10923031	AA	GG	1940161222
SNP_P1_37617_10923148	NC_021162.1	Ca_kabuli_chr03	10923148	AA	GG	1940161223
SNP_P1_37618_10923158	NC_021162.1	Ca_kabuli_chr03	10923158	AA	CC	1940161224
SNP_P1_37619_10923178	NC_021162.1	Ca_kabuli_chr03	10923178	AA	GG	1940161225
SNP_P1_37620_10923181	NC_021162.1	Ca_kabuli_chr03	10923181	GG	AA	1940161226
SNP_P1_37623_10923298	NC_021162.1	Ca_kabuli_chr03	10923298	GG	AA	1940161227
SNP_P1_37624_10923400	NC_021162.1	Ca_kabuli_chr03	10923400	AA	TT	1940161228
SNP_P1_37625_10923435	NC_021162.1	Ca_kabuli_chr03	10923435	CC	AA	1940161229
SNP_P1_37626_10923472	NC_021162.1	Ca_kabuli_chr03	10923472	TT	CC	1940161230
SNP_P1_37627_10923478	NC_021162.1	Ca_kabuli_chr03	10923478	AA	GG	1940161232
SNP_P1_37628_10938423	NC_021162.1	Ca_kabuli_chr03	10938423	AA	GG	1940161233
SNP_P1_37629_10949211	NC_021162.1	Ca_kabuli_chr03	10949211	TT	CC	1940161234
SNP_P1_37630_10949237	NC_021162.1	Ca_kabuli_chr03	10949237	AA	TT	1940161235

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37632_10950886	NC_021162.1	Ca_kabuli_chr03	10950886	CC	AA	1940161237
SNP_P1_37633_10951206	NC_021162.1	Ca_kabuli_chr03	10951206	TT	GG	1940161238
SNP_P1_37634_10953949	NC_021162.1	Ca_kabuli_chr03	10953949	CC	TT	1940161239
SNP_P1_37635_10954227	NC_021162.1	Ca_kabuli_chr03	10954227	TT	CC	1940161240
SNP_P1_37636_10954289	NC_021162.1	Ca_kabuli_chr03	10954289	AA	GG	1940161241
SNP_P1_37637_10954463	NC_021162.1	Ca_kabuli_chr03	10954463	GG	TT	1940161242
SNP_P1_37638_10954524	NC_021162.1	Ca_kabuli_chr03	10954524	CC	TT	1940161243
SNP_P1_37640_10988572	NC_021162.1	Ca_kabuli_chr03	10988572	AA	GG	1940161244
SNP_P1_37641_10991808	NC_021162.1	Ca_kabuli_chr03	10991808	TT	CC	1940161245
SNP_P1_37642_10992896	NC_021162.1	Ca_kabuli_chr03	10992896	TT	CC	1940161246
SNP_P1_37643_10994298	NC_021162.1	Ca_kabuli_chr03	10994298	GG	AA	1940161247
SNP_P1_37644_10995811	NC_021162.1	Ca_kabuli_chr03	10995811	CC	TT	1940161248
SNP_P1_37645_10995829	NC_021162.1	Ca_kabuli_chr03	10995829	CC	GG	1940161249
SNP_P1_37646_10995838	NC_021162.1	Ca_kabuli_chr03	10995838	GG	AA	1940161250
SNP_P1_37647_10995841	NC_021162.1	Ca_kabuli_chr03	10995841	CC	TT	1940161251
SNP_P1_37648_10995850	NC_021162.1	Ca_kabuli_chr03	10995850	AA	GG	1940161252
SNP_P1_37649_10995852	NC_021162.1	Ca_kabuli_chr03	10995852	CC	TT	1940161253
SNP_P1_37650_10995853	NC_021162.1	Ca_kabuli_chr03	10995853	TT	CC	1940161254
SNP_P1_37651_10995870	NC_021162.1	Ca_kabuli_chr03	10995870	AA	CC	1940161255
SNP_P1_37652_11011487	NC_021162.1	Ca_kabuli_chr03	11011487	GG	AA	1940161256
SNP_P1_37653_11011499	NC_021162.1	Ca_kabuli_chr03	11011499	AA	GG	1940161257
SNP_P1_37654_11041105	NC_021162.1	Ca_kabuli_chr03	11041105	TT	AA	1940161258
SNP_P1_37655_11041106	NC_021162.1	Ca_kabuli_chr03	11041106	AA	TT	1940161259
SNP_P1_37656_11041512	NC_021162.1	Ca_kabuli_chr03	11041512	GG	TT	1940161260
SNP_P1_37657_11042246	NC_021162.1	Ca_kabuli_chr03	11042246	CC	TT	1940161261
SNP_P1_37659_11057723	NC_021162.1	Ca_kabuli_chr03	11057723	AA	TT	1940161262
SNP_P1_37660_11080124	NC_021162.1	Ca_kabuli_chr03	11080124	AA	CC	1940161263
SNP_P1_37661_11087414	NC_021162.1	Ca_kabuli_chr03	11087414	TT	GG	1940161264
SNP_P1_37662_11088908	NC_021162.1	Ca_kabuli_chr03	11088908	AA	TT	1940161265
SNP_P1_37663_11089027	NC_021162.1	Ca_kabuli_chr03	11089027	AA	GG	1940161266
SNP_P1_37665_11098969	NC_021162.1	Ca_kabuli_chr03	11098969	CC	TT	1940161267
SNP_P1_37666_11142705	NC_021162.1	Ca_kabuli_chr03	11142705	TT	AA	1940161268
SNP_P1_37667_11142866	NC_021162.1	Ca_kabuli_chr03	11142866	AA	CC	1940161269
SNP_P1_37668_11142872	NC_021162.1	Ca_kabuli_chr03	11142872	TT	CC	1940161270
SNP_P1_37669_11142945	NC_021162.1	Ca_kabuli_chr03	11142945	TT	CC	1940161271
SNP_P1_37670_11146484	NC_021162.1	Ca_kabuli_chr03	11146484	CC	GG	1940161272
SNP_P1_37671_11146549	NC_021162.1	Ca_kabuli_chr03	11146549	AA	GG	1940161273
SNP_P1_37672_11146613	NC_021162.1	Ca_kabuli_chr03	11146613	CC	TT	1940161274
SNP_P1_37673_11146618	NC_021162.1	Ca_kabuli_chr03	11146618	TT	GG	1940161275
SNP_P1_37674_11146621	NC_021162.1	Ca_kabuli_chr03	11146621	CC	TT	1940161276
SNP_P1_37675_11146629	NC_021162.1	Ca_kabuli_chr03	11146629	CC	TT	1940161277

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37677_11146648	NC_021162.1	Ca_kabuli_chr03	11146648	GG	TT	1940161279
SNP_P1_37678_11147123	NC_021162.1	Ca_kabuli_chr03	11147123	TT	CC	1940161280
SNP_P1_37679_11147210	NC_021162.1	Ca_kabuli_chr03	11147210	CC	AA	1940161282
SNP_P1_37680_11147550	NC_021162.1	Ca_kabuli_chr03	11147550	CC	TT	1940161283
SNP_P1_37681_11162419	NC_021162.1	Ca_kabuli_chr03	11162419	CC	TT	1940161284
SNP_P1_37682_11177241	NC_021162.1	Ca_kabuli_chr03	11177241	TT	CC	1940161285
SNP_P1_37684_11214218	NC_021162.1	Ca_kabuli_chr03	11214218	AA	TT	1940161286
SNP_P1_37685_11231891	NC_021162.1	Ca_kabuli_chr03	11231891	AA	GG	1940161287
SNP_P1_37686_11238766	NC_021162.1	Ca_kabuli_chr03	11238766	TT	AA	1940161288
SNP_P1_37687_11245076	NC_021162.1	Ca_kabuli_chr03	11245076	TT	CC	1940161289
SNP_P1_37688_11252272	NC_021162.1	Ca_kabuli_chr03	11252272	AA	GG	1940161290
SNP_P1_37689_11252282	NC_021162.1	Ca_kabuli_chr03	11252282	AA	GG	1940161291
SNP_P1_37690_11252582	NC_021162.1	Ca_kabuli_chr03	11252582	GG	TT	1940161292
SNP_P1_37691_11252627	NC_021162.1	Ca_kabuli_chr03	11252627	AA	TT	1940161293
SNP_P1_37692_11262847	NC_021162.1	Ca_kabuli_chr03	11262847	GG	AA	1940161294
SNP_P1_37693_11262877	NC_021162.1	Ca_kabuli_chr03	11262877	AA	GG	1940161295
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SNP_P1_37695_11262930	NC_021162.1	Ca_kabuli_chr03	11262930	TT	AA	1940161297
SNP_P1_37696_11265517	NC_021162.1	Ca_kabuli_chr03	11265517	TT	AA	1940161298
SNP_P1_37698_11275596	NC_021162.1	Ca_kabuli_chr03	11275596	TT	AA	1940161299
SNP_P1_37699_11282152	NC_021162.1	Ca_kabuli_chr03	11282152	AA	GG	1940161300
SNP_P1_37700_11282153	NC_021162.1	Ca_kabuli_chr03	11282153	GG	TT	1940161301
SNP_P1_37701_11282367	NC_021162.1	Ca_kabuli_chr03	11282367	CC	TT	1940161302
SNP_P1_37702_11282433	NC_021162.1	Ca_kabuli_chr03	11282433	AA	GG	1940161303
SNP_P1_37703_11282458	NC_021162.1	Ca_kabuli_chr03	11282458	AA	GG	1940161304
SNP_P1_37704_11282472	NC_021162.1	Ca_kabuli_chr03	11282472	AA	TT	1940161305
SNP_P1_37705_11305093	NC_021162.1	Ca_kabuli_chr03	11305093	AA	GG	1940161306
SNP_P1_37707_11312102	NC_021162.1	Ca_kabuli_chr03	11312102	GG	TT	1940161307
SNP_P1_37708_11312103	NC_021162.1	Ca_kabuli_chr03	11312103	TT	CC	1940161308
SNP_P1_37709_11326762	NC_021162.1	Ca_kabuli_chr03	11326762	TT	CC	1940161309
SNP_P1_37710_11326798	NC_021162.1	Ca_kabuli_chr03	11326798	AA	GG	1940161310
SNP_P1_37711_11326815	NC_021162.1	Ca_kabuli_chr03	11326815	TT	CC	1940161311
SNP_P1_37712_11326818	NC_021162.1	Ca_kabuli_chr03	11326818	GG	AA	1940161312
SNP_P1_37713_11370778	NC_021162.1	Ca_kabuli_chr03	11370778	CC	AA	1940161313
SNP_P1_37714_11388985	NC_021162.1	Ca_kabuli_chr03	11388985	TT	CC	1940161314
SNP_P1_37716_11402472	NC_021162.1	Ca_kabuli_chr03	11402472	AA	GG	1940161315
SNP_P1_37717_11402539	NC_021162.1	Ca_kabuli_chr03	11402539	TT	CC	1940161316
SNP_P1_37718_11402566	NC_021162.1	Ca_kabuli_chr03	11402566	TT	CC	1940161317
SNP_P1_37719_11402823	NC_021162.1	Ca_kabuli_chr03	11402823	TT	CC	1940161318
SNP_P1_37720_11402894	NC_021162.1	Ca_kabuli_chr03	11402894	TT	AA	1940161319
SNP_P1_37721_11402899	NC_021162.1	Ca_kabuli_chr03	11402899	CC	TT	1940161320

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37724_11447632	NC_021162.1	Ca_kabuli_chr03	11447632	TT	CC	1940161322
SNP_P1_37725_11457567	NC_021162.1	Ca_kabuli_chr03	11457567	CC	TT	1940161323
SNP_P1_37727_11464331	NC_021162.1	Ca_kabuli_chr03	11464331	TT	AA	1940161324
SNP_P1_37728_11464348	NC_021162.1	Ca_kabuli_chr03	11464348	TT	AA	1940161325
SNP_P1_37729_11464418	NC_021162.1	Ca_kabuli_chr03	11464418	AA	TT	1940161326
SNP_P1_37730_11464640	NC_021162.1	Ca_kabuli_chr03	11464640	GG	TT	1940161327
SNP_P1_37731_11464649	NC_021162.1	Ca_kabuli_chr03	11464649	TT	CC	1940161328
SNP_P1_37732_11465057	NC_021162.1	Ca_kabuli_chr03	11465057	CC	TT	1940161329
SNP_P1_37733_11465059	NC_021162.1	Ca_kabuli_chr03	11465059	AA	GG	1940161330
SNP_P1_37734_11465072	NC_021162.1	Ca_kabuli_chr03	11465072	TT	CC	1940161331
SNP_P1_37735_11472559	NC_021162.1	Ca_kabuli_chr03	11472559	CC	TT	1940161332
SNP_P1_37736_11472564	NC_021162.1	Ca_kabuli_chr03	11472564	AA	CC	1940161333
SNP_P1_37738_11497986	NC_021162.1	Ca_kabuli_chr03	11497986	CC	TT	1940161334
SNP_P1_37740_11498051	NC_021162.1	Ca_kabuli_chr03	11498051	AA	GG	1940161335
SNP_P1_37741_11498215	NC_021162.1	Ca_kabuli_chr03	11498215	TT	GG	1940161336
SNP_P1_37742_11498275	NC_021162.1	Ca_kabuli_chr03	11498275	TT	CC	1940161337
SNP_P1_37743_11498292	NC_021162.1	Ca_kabuli_chr03	11498292	TT	CC	1940161339
SNP_P1_37744_11498307	NC_021162.1	Ca_kabuli_chr03	11498307	TT	CC	1940161340
SNP_P1_37745_11498315	NC_021162.1	Ca_kabuli_chr03	11498315	GG	AA	1940161341
SNP_P1_37746_11498329	NC_021162.1	Ca_kabuli_chr03	11498329	CC	TT	1940161342
SNP_P1_37747_11498477	NC_021162.1	Ca_kabuli_chr03	11498477	TT	CC	1940161343
SNP_P1_37748_11498494	NC_021162.1	Ca_kabuli_chr03	11498494	CC	AA	1940161344
SNP_P1_37749_11498554	NC_021162.1	Ca_kabuli_chr03	11498554	TT	AA	1940161345
SNP_P1_37750_11519778	NC_021162.1	Ca_kabuli_chr03	11519778	GG	AA	1940161346
SNP_P1_37751_11519783	NC_021162.1	Ca_kabuli_chr03	11519783	AA	TT	1940161347
SNP_P1_37752_11519785	NC_021162.1	Ca_kabuli_chr03	11519785	TT	CC	1940161348
SNP_P1_37753_11520304	NC_021162.1	Ca_kabuli_chr03	11520304	GG	AA	1940161349
SNP_P1_37754_11520310	NC_021162.1	Ca_kabuli_chr03	11520310	TT	CC	1940161350
SNP_P1_37755_11527391	NC_021162.1	Ca_kabuli_chr03	11527391	AA	GG	1940161351
SNP_P1_37756_11527460	NC_021162.1	Ca_kabuli_chr03	11527460	GG	AA	1940161352
SNP_P1_37757_11527466	NC_021162.1	Ca_kabuli_chr03	11527466	TT	CC	1940161353
SNP_P1_37758_11527509	NC_021162.1	Ca_kabuli_chr03	11527509	AA	TT	1940161354
SNP_P1_37759_11527511	NC_021162.1	Ca_kabuli_chr03	11527511	AA	GG	1940161355
SNP_P1_37760_11527535	NC_021162.1	Ca_kabuli_chr03	11527535	AA	GG	1940161356
SNP_P1_37761_11527576	NC_021162.1	Ca_kabuli_chr03	11527576	AA	GG	1940161357
SNP_P1_37762_11527752	NC_021162.1	Ca_kabuli_chr03	11527752	AA	CC	1940161358
SNP_P1_37763_11527832	NC_021162.1	Ca_kabuli_chr03	11527832	AA	GG	1940161359
SNP_P1_37764_11527905	NC_021162.1	Ca_kabuli_chr03	11527905	AA	GG	1940161360
SNP_P1_37765_11527927	NC_021162.1	Ca_kabuli_chr03	11527927	AA	GG	1940161361
SNP_P1_37766_11528043	NC_021162.1	Ca_kabuli_chr03	11528043	AA	GG	1940161362
SNP_P1_37767_11528095	NC_021162.1	Ca_kabuli_chr03	11528095	GG	AA	1940161363

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37770_11536190	NC_021162.1	Ca_kabuli_chr03	11536190	CC	TT	1940161365
SNP_P1_37771_11537690	NC_021162.1	Ca_kabuli_chr03	11537690	TT	AA	1940161366
SNP_P1_37772_11537691	NC_021162.1	Ca_kabuli_chr03	11537691	TT	CC	1940161367
SNP_P1_37773_11537698	NC_021162.1	Ca_kabuli_chr03	11537698	CC	TT	1940161368
SNP_P1_37775_11571415	NC_021162.1	Ca_kabuli_chr03	11571415	TT	GG	1940161369
SNP_P1_37776_11586683	NC_021162.1	Ca_kabuli_chr03	11586683	GG	AA	1940161370
SNP_P1_37779_11592192	NC_021162.1	Ca_kabuli_chr03	11592192	AA	GG	1940161371
SNP_P1_37780_11592330	NC_021162.1	Ca_kabuli_chr03	11592330	TT	CC	1940161372
SNP_P1_37781_11592488	NC_021162.1	Ca_kabuli_chr03	11592488	CC	TT	1940161373
SNP_P1_37783_11608346	NC_021162.1	Ca_kabuli_chr03	11608346	GG	AA	1940161374
SNP_P1_37784_11608356	NC_021162.1	Ca_kabuli_chr03	11608356	CC	TT	1940161375
SNP_P1_37785_11608396	NC_021162.1	Ca_kabuli_chr03	11608396	AA	GG	1940161376
SNP_P1_37786_11610500	NC_021162.1	Ca_kabuli_chr03	11610500	AA	GG	1940161377
SNP_P1_37788_11620858	NC_021162.1	Ca_kabuli_chr03	11620858	CC	TT	1940161378
SNP_P1_37789_11626479	NC_021162.1	Ca_kabuli_chr03	11626479	GG	AA	1940161379
SNP_P1_37791_11653927	NC_021162.1	Ca_kabuli_chr03	11653927	CC	GG	1940161380
SNP_P1_37792_11690276	NC_021162.1	Ca_kabuli_chr03	11690276	CC	TT	1940161381
SNP_P1_37793_11714815	NC_021162.1	Ca_kabuli_chr03	11714815	CC	TT	1940161382
SNP_P1_37794_11732469	NC_021162.1	Ca_kabuli_chr03	11732469	AA	GG	1940161383
SNP_P1_37795_11738108	NC_021162.1	Ca_kabuli_chr03	11738108	GG	AA	1940161384
SNP_P1_37796_11738153	NC_021162.1	Ca_kabuli_chr03	11738153	CC	TT	1940161385
SNP_P1_37797_11755820	NC_021162.1	Ca_kabuli_chr03	11755820	TT	AA	1940161386
SNP_P1_37798_11760835	NC_021162.1	Ca_kabuli_chr03	11760835	CC	TT	1940161387
SNP_P1_37801_11765448	NC_021162.1	Ca_kabuli_chr03	11765448	AA	CC	1940161388
SNP_P1_37802_11765479	NC_021162.1	Ca_kabuli_chr03	11765479	TT	AA	1940161389
SNP_P1_37803_11765515	NC_021162.1	Ca_kabuli_chr03	11765515	CC	TT	1940161390
SNP_P1_37804_11765522	NC_021162.1	Ca_kabuli_chr03	11765522	TT	CC	1940161391
SNP_P1_37806_11773782	NC_021162.1	Ca_kabuli_chr03	11773782	GG	AA	1940161392
SNP_P1_37807_11774111	NC_021162.1	Ca_kabuli_chr03	11774111	AA	TT	1940161393
SNP_P1_37808_11774139	NC_021162.1	Ca_kabuli_chr03	11774139	TT	CC	1940161394
SNP_P1_37809_11774179	NC_021162.1	Ca_kabuli_chr03	11774179	AA	TT	1940161396
SNP_P1_37810_11774194	NC_021162.1	Ca_kabuli_chr03	11774194	AA	CC	1940161397
SNP_P1_37811_11774207	NC_021162.1	Ca_kabuli_chr03	11774207	TT	GG	1940161398
SNP_P1_37812_11774222	NC_021162.1	Ca_kabuli_chr03	11774222	TT	AA	1940161399
SNP_P1_37813_11774230	NC_021162.1	Ca_kabuli_chr03	11774230	CC	AA	1940161400
SNP_P1_37814_11774261	NC_021162.1	Ca_kabuli_chr03	11774261	GG	AA	1940161401
SNP_P1_37815_11774312	NC_021162.1	Ca_kabuli_chr03	11774312	AA	GG	1940161402
SNP_P1_37816_11774315	NC_021162.1	Ca_kabuli_chr03	11774315	TT	CC	1940161403
SNP_P1_37817_11778567	NC_021162.1	Ca_kabuli_chr03	11778567	CC	TT	1940161404
SNP_P1_37818_11784968	NC_021162.1	Ca_kabuli_chr03	11784968	AA	GG	1940161405
SNP_P1_37819_11790670	NC_021162.1	Ca_kabuli_chr03	11790670	GG	AA	1940161406

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37821_11830671	NC_021162.1	Ca_kabuli_chr03	11830671	TT	AA	1940161408
SNP_P1_37822_11830855	NC_021162.1	Ca_kabuli_chr03	11830855	TT	CC	1940161409
SNP_P1_37823_11830867	NC_021162.1	Ca_kabuli_chr03	11830867	TT	AA	1940161410
SNP_P1_37824_11830933	NC_021162.1	Ca_kabuli_chr03	11830933	TT	AA	1940161411
SNP_P1_37825_11866460	NC_021162.1	Ca_kabuli_chr03	11866460	TT	CC	1940161412
SNP_P1_37827_11891913	NC_021162.1	Ca_kabuli_chr03	11891913	CC	TT	1940161413
SNP_P1_37828_11891917	NC_021162.1	Ca_kabuli_chr03	11891917	AA	GG	1940161414
SNP_P1_37830_11905078	NC_021162.1	Ca_kabuli_chr03	11905078	CC	TT	1940161415
SNP_P1_37831_11906877	NC_021162.1	Ca_kabuli_chr03	11906877	TT	CC	1940161416
SNP_P1_37832_11906884	NC_021162.1	Ca_kabuli_chr03	11906884	GG	CC	1940161417
SNP_P1_37833_11906908	NC_021162.1	Ca_kabuli_chr03	11906908	GG	AA	1940161418
SNP_P1_37834_11906920	NC_021162.1	Ca_kabuli_chr03	11906920	CC	TT	1940161419
SNP_P1_37835_11906921	NC_021162.1	Ca_kabuli_chr03	11906921	TT	CC	1940161420
SNP_P1_37836_11906924	NC_021162.1	Ca_kabuli_chr03	11906924	GG	AA	1940161421
SNP_P1_37837_11917347	NC_021162.1	Ca_kabuli_chr03	11917347	GG	TT	1940161422
SNP_P1_37840_11924775	NC_021162.1	Ca_kabuli_chr03	11924775	TT	GG	1940161423
SNP_P1_37841_11930408	NC_021162.1	Ca_kabuli_chr03	11930408	GG	AA	1940161424
SNP_P1_37842_11930812	NC_021162.1	Ca_kabuli_chr03	11930812	CC	TT	1940161425
SNP_P1_37843_11930841	NC_021162.1	Ca_kabuli_chr03	11930841	CC	AA	1940161426
SNP_P1_37844_11930873	NC_021162.1	Ca_kabuli_chr03	11930873	TT	CC	1940161427
SNP_P1_37845_11950220	NC_021162.1	Ca_kabuli_chr03	11950220	TT	CC	1940161428
SNP_P1_37846_11950231	NC_021162.1	Ca_kabuli_chr03	11950231	CC	AA	1940161429
SNP_P1_37847_11950316	NC_021162.1	Ca_kabuli_chr03	11950316	GG	AA	1940161430
SNP_P1_37848_11956719	NC_021162.1	Ca_kabuli_chr03	11956719	AA	GG	1940161431
SNP_P1_37849_11956720	NC_021162.1	Ca_kabuli_chr03	11956720	AA	TT	1940161432
SNP_P1_37850_11960408	NC_021162.1	Ca_kabuli_chr03	11960408	TT	CC	1940161433
SNP_P1_37851_11960411	NC_021162.1	Ca_kabuli_chr03	11960411	GG	CC	1940161434
SNP_P1_37852_11960418	NC_021162.1	Ca_kabuli_chr03	11960418	AA	GG	1940161435
SNP_P1_37853_11960419	NC_021162.1	Ca_kabuli_chr03	11960419	TT	CC	1940161436
SNP_P1_37854_11960421	NC_021162.1	Ca_kabuli_chr03	11960421	CC	AA	1940161437
SNP_P1_37855_11981616	NC_021162.1	Ca_kabuli_chr03	11981616	TT	CC	1940161438
SNP_P1_37859_12008370	NC_021162.1	Ca_kabuli_chr03	12008370	AA	GG	1940161439
SNP_P1_37861_12020115	NC_021162.1	Ca_kabuli_chr03	12020115	AA	TT	1940161440
SNP_P1_37862_12020119	NC_021162.1	Ca_kabuli_chr03	12020119	AA	GG	1940161441
SNP_P1_37863_12020120	NC_021162.1	Ca_kabuli_chr03	12020120	AA	TT	1940161442
SNP_P1_37864_12027318	NC_021162.1	Ca_kabuli_chr03	12027318	AA	GG	1940161443
SNP_P1_37865_12032365	NC_021162.1	Ca_kabuli_chr03	12032365	GG	AA	1940161444
SNP_P1_37866_12032397	NC_021162.1	Ca_kabuli_chr03	12032397	AA	CC	1940161445
SNP_P1_37867_12032401	NC_021162.1	Ca_kabuli_chr03	12032401	TT	CC	1940161446
SNP_P1_37868_12032407	NC_021162.1	Ca_kabuli_chr03	12032407	AA	TT	1940161447
SNP_P1_37869_12032462	NC_021162.1	Ca_kabuli_chr03	12032462	AA	GG	1940161448

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_37870_12034202	NC_021162.1	Ca_kabuli_chr03	12034202	CC	AA	1940161449
SNP_P1_37871_12037682	NC_021162.1	Ca_kabuli_chr03	12037682	TT	CC	1940161450
SNP_P1_37872_12061982	NC_021162.1	Ca_kabuli_chr03	12061982	AA	GG	1940161451
SNP_P1_37873_12080826	NC_021162.1	Ca_kabuli_chr03	12080826	AA	CC	1940161452
SNP_P1_37874_12081024	NC_021162.1	Ca_kabuli_chr03	12081024	AA	GG	1940161454
SNP_P1_37875_12081058	NC_021162.1	Ca_kabuli_chr03	12081058	GG	CC	1940161455
SNP_P1_37876_12081071	NC_021162.1	Ca_kabuli_chr03	12081071	CC	AA	1940161456
SNP_P1_37878_12096506	NC_021162.1	Ca_kabuli_chr03	12096506	AA	CC	1940161457
SNP_P1_37879_12096509	NC_021162.1	Ca_kabuli_chr03	12096509	AA	GG	1940161458
SNP_P1_37880_12111545	NC_021162.1	Ca_kabuli_chr03	12111545	CC	TT	1940161459
SNP_P1_37881_12111753	NC_021162.1	Ca_kabuli_chr03	12111753	AA	TT	1940161460
SNP_P1_37882_12111758	NC_021162.1	Ca_kabuli_chr03	12111758	TT	AA	1940161461
SNP_P1_37883_12111759	NC_021162.1	Ca_kabuli_chr03	12111759	TT	CC	1940161462
SNP_P1_37884_12111760	NC_021162.1	Ca_kabuli_chr03	12111760	TT	AA	1940161463
SNP_P1_37885_12111879	NC_021162.1	Ca_kabuli_chr03	12111879	CC	TT	1940161464
SNP_P1_37886_12117441	NC_021162.1	Ca_kabuli_chr03	12117441	AA	CC	1940161465
SNP_P1_37888_12140745	NC_021162.1	Ca_kabuli_chr03	12140745	TT	AA	1940161466
SNP_P1_37889_12163829	NC_021162.1	Ca_kabuli_chr03	12163829	CC	AA	1940161467
SNP_P1_37890_12163866	NC_021162.1	Ca_kabuli_chr03	12163866	GG	AA	1940161468
SNP_P1_37891_12165592	NC_021162.1	Ca_kabuli_chr03	12165592	TT	CC	1940161469
SNP_P1_37892_12167759	NC_021162.1	Ca_kabuli_chr03	12167759	GG	TT	1940161470
SNP_P1_37893_12168134	NC_021162.1	Ca_kabuli_chr03	12168134	CC	TT	1940161471
SNP_P1_37894_12208945	NC_021162.1	Ca_kabuli_chr03	12208945	AA	GG	1940161472
SNP_P1_37895_12218888	NC_021162.1	Ca_kabuli_chr03	12218888	CC	TT	1940161473
SNP_P1_37896_12218907	NC_021162.1	Ca_kabuli_chr03	12218907	AA	GG	1940161474
SNP_P1_37897_12242201	NC_021162.1	Ca_kabuli_chr03	12242201	AA	GG	1940161475
SNP_P1_37898_12250800	NC_021162.1	Ca_kabuli_chr03	12250800	AA	GG	1940161476
SNP_P1_37899_12260410	NC_021162.1	Ca_kabuli_chr03	12260410	TT	AA	1940161477
SNP_P1_37900_12262326	NC_021162.1	Ca_kabuli_chr03	12262326	AA	TT	1940161478
SNP_P1_37901_12270910	NC_021162.1	Ca_kabuli_chr03	12270910	GG	TT	1940161479
SNP_P1_37903_12345910	NC_021162.1	Ca_kabuli_chr03	12345910	CC	AA	1940161480
SNP_P1_37904_12345927	NC_021162.1	Ca_kabuli_chr03	12345927	CC	TT	1940161481
SNP_P1_37905_12345942	NC_021162.1	Ca_kabuli_chr03	12345942	GG	AA	1940161482
SNP_P1_37906_12348432	NC_021162.1	Ca_kabuli_chr03	12348432	AA	TT	1940161483
SNP_P1_37907_12348721	NC_021162.1	Ca_kabuli_chr03	12348721	AA	GG	1940161484
SNP_P1_37908_12373083	NC_021162.1	Ca_kabuli_chr03	12373083	GG	AA	1940161485
SNP_P1_37909_12373111	NC_021162.1	Ca_kabuli_chr03	12373111	GG	CC	1940161486
SNP_P1_37910_12373414	NC_021162.1	Ca_kabuli_chr03	12373414	TT	AA	1940161487
SNP_P1_37911_12373469	NC_021162.1	Ca_kabuli_chr03	12373469	TT	CC	1940161488
SNP_P1_37912_12387051	NC_021162.1	Ca_kabuli_chr03	12387051	AA	CC	1940161489
SNP_P1_37913_12387488	NC_021162.1	Ca_kabuli_chr03	12387488	TT	CC	1940161490
SNP_P1_37914_12387519	NC_021162.1	Ca_kabuli_chr03	12387519	GG	AA	1940161491

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37916_12387588	NC_021162.1	Ca_kabuli_chr03	12387588	AA	GG	1940161493
SNP_P1_37917_12387619	NC_021162.1	Ca_kabuli_chr03	12387619	GG	TT	1940161494
SNP_P1_37918_12387668	NC_021162.1	Ca_kabuli_chr03	12387668	TT	CC	1940161495
SNP_P1_37919_12387698	NC_021162.1	Ca_kabuli_chr03	12387698	TT	CC	1940161496
SNP_P1_37920_12423437	NC_021162.1	Ca_kabuli_chr03	12423437	CC	GG	1940161497
SNP_P1_37921_12423454	NC_021162.1	Ca_kabuli_chr03	12423454	GG	TT	1940161498
SNP_P1_37922_12423576	NC_021162.1	Ca_kabuli_chr03	12423576	CC	TT	1940161499
SNP_P1_37923_12423839	NC_021162.1	Ca_kabuli_chr03	12423839	CC	TT	1940161500
SNP_P1_37924_12432324	NC_021162.1	Ca_kabuli_chr03	12432324	TT	AA	1940161501
SNP_P1_37925_12432325	NC_021162.1	Ca_kabuli_chr03	12432325	AA	CC	1940161502
SNP_P1_37926_12432493	NC_021162.1	Ca_kabuli_chr03	12432493	TT	CC	1940161503
SNP_P1_37927_12432818	NC_021162.1	Ca_kabuli_chr03	12432818	CC	GG	1940161504
SNP_P1_37928_12432832	NC_021162.1	Ca_kabuli_chr03	12432832	TT	CC	1940161505
SNP_P1_37929_12436212	NC_021162.1	Ca_kabuli_chr03	12436212	TT	CC	1940161506
SNP_P1_37930_12438400	NC_021162.1	Ca_kabuli_chr03	12438400	TT	CC	1940161507
SNP_P1_37931_12444819	NC_021162.1	Ca_kabuli_chr03	12444819	GG	AA	1940161508
SNP_P1_37932_12451958	NC_021162.1	Ca_kabuli_chr03	12451958	AA	GG	1940161510
SNP_P1_37933_12454297	NC_021162.1	Ca_kabuli_chr03	12454297	GG	AA	1940161511
SNP_P1_37934_12494572	NC_021162.1	Ca_kabuli_chr03	12494572	TT	CC	1940161512
SNP_P1_37935_12529502	NC_021162.1	Ca_kabuli_chr03	12529502	AA	GG	1940161513
SNP_P1_37936_12545709	NC_021162.1	Ca_kabuli_chr03	12545709	AA	GG	1940161514
SNP_P1_37937_12560207	NC_021162.1	Ca_kabuli_chr03	12560207	CC	TT	1940161515
SNP_P1_37938_12565541	NC_021162.1	Ca_kabuli_chr03	12565541	GG	TT	1940161516
SNP_P1_37939_12565550	NC_021162.1	Ca_kabuli_chr03	12565550	CC	TT	1940161517
SNP_P1_37940_12566766	NC_021162.1	Ca_kabuli_chr03	12566766	TT	GG	1940161518
SNP_P1_37941_12566835	NC_021162.1	Ca_kabuli_chr03	12566835	CC	TT	1940161519
SNP_P1_37942_12581204	NC_021162.1	Ca_kabuli_chr03	12581204	GG	TT	1940161520
SNP_P1_37943_12581217	NC_021162.1	Ca_kabuli_chr03	12581217	GG	AA	1940161521
SNP_P1_37944_12581437	NC_021162.1	Ca_kabuli_chr03	12581437	TT	CC	1940161522
SNP_P1_37945_12581643	NC_021162.1	Ca_kabuli_chr03	12581643	AA	GG	1940161523
SNP_P1_37946_12581704	NC_021162.1	Ca_kabuli_chr03	12581704	CC	TT	1940161524
SNP_P1_37947_12581961	NC_021162.1	Ca_kabuli_chr03	12581961	CC	TT	1940161525
SNP_P1_37948_12582006	NC_021162.1	Ca_kabuli_chr03	12582006	AA	TT	1940161526
SNP_P1_37949_12582123	NC_021162.1	Ca_kabuli_chr03	12582123	GG	AA	1940161527
SNP_P1_37950_12582140	NC_021162.1	Ca_kabuli_chr03	12582140	GG	AA	1940161528
SNP_P1_37951_12593264	NC_021162.1	Ca_kabuli_chr03	12593264	CC	TT	1940161529
SNP_P1_37953_12650974	NC_021162.1	Ca_kabuli_chr03	12650974	AA	TT	1940161530
SNP_P1_37954_12660292	NC_021162.1	Ca_kabuli_chr03	12660292	TT	AA	1940161531
SNP_P1_37955_12660797	NC_021162.1	Ca_kabuli_chr03	12660797	GG	AA	1940161532
SNP_P1_37956_12661013	NC_021162.1	Ca_kabuli_chr03	12661013	CC	TT	1940161533
SNP_P1_37957_12661014	NC_021162.1	Ca_kabuli_chr03	12661014	AA	GG	1940161534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_37960_12661774	NC_021162.1	Ca_kabuli_chr03	12661774	TT	CC	1940161536
SNP_P1_37961_12683423	NC_021162.1	Ca_kabuli_chr03	12683423	TT	AA	1940161537
SNP_P1_37962_12683856	NC_021162.1	Ca_kabuli_chr03	12683856	CC	AA	1940161538
SNP_P1_37963_12683926	NC_021162.1	Ca_kabuli_chr03	12683926	CC	TT	1940161539
SNP_P1_37964_12683930	NC_021162.1	Ca_kabuli_chr03	12683930	GG	AA	1940161540
SNP_P1_37965_12684039	NC_021162.1	Ca_kabuli_chr03	12684039	TT	CC	1940161541
SNP_P1_37966_12684098	NC_021162.1	Ca_kabuli_chr03	12684098	TT	GG	1940161542
SNP_P1_37967_12688913	NC_021162.1	Ca_kabuli_chr03	12688913	CC	TT	1940161543
SNP_P1_37968_12696855	NC_021162.1	Ca_kabuli_chr03	12696855	CC	TT	1940161544
SNP_P1_37970_12699596	NC_021162.1	Ca_kabuli_chr03	12699596	AA	CC	1940161545
SNP_P1_37971_12699629	NC_021162.1	Ca_kabuli_chr03	12699629	CC	TT	1940161546
SNP_P1_37972_12699638	NC_021162.1	Ca_kabuli_chr03	12699638	GG	AA	1940161547
SNP_P1_37973_12699656	NC_021162.1	Ca_kabuli_chr03	12699656	AA	CC	1940161548
SNP_P1_37974_12711867	NC_021162.1	Ca_kabuli_chr03	12711867	TT	CC	1940161549
SNP_P1_37975_12711890	NC_021162.1	Ca_kabuli_chr03	12711890	CC	TT	1940161550
SNP_P1_37976_12711914	NC_021162.1	Ca_kabuli_chr03	12711914	TT	CC	1940161551
SNP_P1_37978_12717364	NC_021162.1	Ca_kabuli_chr03	12717364	CC	AA	1940161552
SNP_P1_37980_12739819	NC_021162.1	Ca_kabuli_chr03	12739819	CC	TT	1940161553
SNP_P1_37981_12739850	NC_021162.1	Ca_kabuli_chr03	12739850	GG	CC	1940161554
SNP_P1_37982_12739882	NC_021162.1	Ca_kabuli_chr03	12739882	AA	GG	1940161555
SNP_P1_37983_12739903	NC_021162.1	Ca_kabuli_chr03	12739903	CC	GG	1940161556
SNP_P1_37984_12739909	NC_021162.1	Ca_kabuli_chr03	12739909	AA	GG	1940161557
SNP_P1_37985_12740154	NC_021162.1	Ca_kabuli_chr03	12740154	AA	GG	1940161558
SNP_P1_37986_12740161	NC_021162.1	Ca_kabuli_chr03	12740161	TT	CC	1940161559
SNP_P1_37987_12740271	NC_021162.1	Ca_kabuli_chr03	12740271	TT	CC	1940161560
SNP_P1_37988_12740743	NC_021162.1	Ca_kabuli_chr03	12740743	AA	GG	1940161561
SNP_P1_37989_12740754	NC_021162.1	Ca_kabuli_chr03	12740754	AA	GG	1940161562
SNP_P1_37990_12741085	NC_021162.1	Ca_kabuli_chr03	12741085	GG	AA	1940161563
SNP_P1_37991_12741127	NC_021162.1	Ca_kabuli_chr03	12741127	CC	TT	1940161564
SNP_P1_37992_12741139	NC_021162.1	Ca_kabuli_chr03	12741139	GG	AA	1940161565
SNP_P1_37994_12747046	NC_021162.1	Ca_kabuli_chr03	12747046	CC	TT	1940161566
SNP_P1_37996_12779120	NC_021162.1	Ca_kabuli_chr03	12779120	AA	GG	1940161568
SNP_P1_37997_12779140	NC_021162.1	Ca_kabuli_chr03	12779140	TT	CC	1940161569
SNP_P1_37998_12779176	NC_021162.1	Ca_kabuli_chr03	12779176	TT	CC	1940161570
SNP_P1_37999_12779454	NC_021162.1	Ca_kabuli_chr03	12779454	GG	TT	1940161571
SNP_P1_38000_12779471	NC_021162.1	Ca_kabuli_chr03	12779471	CC	AA	1940161572
SNP_P1_38001_12779512	NC_021162.1	Ca_kabuli_chr03	12779512	GG	TT	1940161573
SNP_P1_38002_12793719	NC_021162.1	Ca_kabuli_chr03	12793719	TT	AA	1940161574
SNP_P1_38003_12808871	NC_021162.1	Ca_kabuli_chr03	12808871	CC	AA	1940161575
SNP_P1_38004_12808886	NC_021162.1	Ca_kabuli_chr03	12808886	CC	TT	1940161576
SNP_P1_38005_12808902	NC_021162.1	Ca_kabuli_chr03	12808902	GG	AA	1940161577

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38007_12809058	NC_021162.1	Ca_kabuli_chr03	12809058	TT	GG	1940161579
SNP_P1_38008_12809104	NC_021162.1	Ca_kabuli_chr03	12809104	AA	GG	1940161580
SNP_P1_38009_12809333	NC_021162.1	Ca_kabuli_chr03	12809333	AA	TT	1940161581
SNP_P1_38010_12809371	NC_021162.1	Ca_kabuli_chr03	12809371	GG	AA	1940161582
SNP_P1_38011_12809372	NC_021162.1	Ca_kabuli_chr03	12809372	TT	CC	1940161583
SNP_P1_38012_12819665	NC_021162.1	Ca_kabuli_chr03	12819665	CC	GG	1940161584
SNP_P1_38014_12823929	NC_021162.1	Ca_kabuli_chr03	12823929	GG	AA	1940161585
SNP_P1_38015_12829739	NC_021162.1	Ca_kabuli_chr03	12829739	CC	TT	1940161586
SNP_P1_38016_12829880	NC_021162.1	Ca_kabuli_chr03	12829880	AA	CC	1940161587
SNP_P1_38017_12911057	NC_021162.1	Ca_kabuli_chr03	12911057	TT	AA	1940161588
SNP_P1_38019_12911364	NC_021162.1	Ca_kabuli_chr03	12911364	AA	GG	1940161589
SNP_P1_38020_12915493	NC_021162.1	Ca_kabuli_chr03	12915493	AA	CC	1940161590
SNP_P1_38021_12915682	NC_021162.1	Ca_kabuli_chr03	12915682	CC	TT	1940161591
SNP_P1_38022_12915733	NC_021162.1	Ca_kabuli_chr03	12915733	TT	GG	1940161592
SNP_P1_38023_12922190	NC_021162.1	Ca_kabuli_chr03	12922190	GG	CC	1940161593
SNP_P1_38024_12922526	NC_021162.1	Ca_kabuli_chr03	12922526	CC	TT	1940161594
SNP_P1_38025_12922586	NC_021162.1	Ca_kabuli_chr03	12922586	AA	TT	1940161595
SNP_P1_38026_12947328	NC_021162.1	Ca_kabuli_chr03	12947328	GG	AA	1940161596
SNP_P1_38028_12958302	NC_021162.1	Ca_kabuli_chr03	12958302	GG	AA	1940161597
SNP_P1_38029_12969802	NC_021162.1	Ca_kabuli_chr03	12969802	TT	AA	1940161598
SNP_P1_38031_12969888	NC_021162.1	Ca_kabuli_chr03	12969888	CC	AA	1940161599
SNP_P1_38032_12983352	NC_021162.1	Ca_kabuli_chr03	12983352	TT	CC	1940161600
SNP_P1_38033_12984498	NC_021162.1	Ca_kabuli_chr03	12984498	TT	CC	1940161601
SNP_P1_38034_12993808	NC_021162.1	Ca_kabuli_chr03	12993808	AA	TT	1940161602
SNP_P1_38035_12993826	NC_021162.1	Ca_kabuli_chr03	12993826	CC	TT	1940161603
SNP_P1_38036_12993827	NC_021162.1	Ca_kabuli_chr03	12993827	AA	GG	1940161604
SNP_P1_38037_12993841	NC_021162.1	Ca_kabuli_chr03	12993841	TT	GG	1940161605
SNP_P1_38038_12993846	NC_021162.1	Ca_kabuli_chr03	12993846	GG	AA	1940161606
SNP_P1_38039_12993915	NC_021162.1	Ca_kabuli_chr03	12993915	AA	GG	1940161607
SNP_P1_38040_12994183	NC_021162.1	Ca_kabuli_chr03	12994183	AA	CC	1940161608
SNP_P1_38041_12994188	NC_021162.1	Ca_kabuli_chr03	12994188	TT	CC	1940161609
SNP_P1_38042_12994253	NC_021162.1	Ca_kabuli_chr03	12994253	TT	CC	1940161610
SNP_P1_38043_12994269	NC_021162.1	Ca_kabuli_chr03	12994269	AA	CC	1940161611
SNP_P1_38044_12994305	NC_021162.1	Ca_kabuli_chr03	12994305	TT	CC	1940161612
SNP_P1_38045_12994318	NC_021162.1	Ca_kabuli_chr03	12994318	AA	GG	1940161613
SNP_P1_38046_12994324	NC_021162.1	Ca_kabuli_chr03	12994324	TT	GG	1940161614
SNP_P1_38047_12997105	NC_021162.1	Ca_kabuli_chr03	12997105	AA	TT	1940161615
SNP_P1_38048_13000536	NC_021162.1	Ca_kabuli_chr03	13000536	TT	CC	1940161616
SNP_P1_38049_13000538	NC_021162.1	Ca_kabuli_chr03	13000538	TT	CC	1940161617
SNP_P1_38051_13020823	NC_021162.1	Ca_kabuli_chr03	13020823	CC	AA	1940161619
SNP_P1_38053_13035602	NC_021162.1	Ca_kabuli_chr03	13035602	GG	AA	1940161620

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38056_13040449	NC_021162.1	Ca_kabuli_chr03	13040449	CC	TT	1940161623
SNP_P1_38057_13040983	NC_021162.1	Ca_kabuli_chr03	13040983	TT	CC	1940161624
SNP_P1_38058_13041005	NC_021162.1	Ca_kabuli_chr03	13041005	GG	AA	1940161625
SNP_P1_38059_13041039	NC_021162.1	Ca_kabuli_chr03	13041039	AA	GG	1940161626
SNP_P1_38060_13041042	NC_021162.1	Ca_kabuli_chr03	13041042	TT	CC	1940161627
SNP_P1_38061_13041075	NC_021162.1	Ca_kabuli_chr03	13041075	CC	AA	1940161628
SNP_P1_38062_13041122	NC_021162.1	Ca_kabuli_chr03	13041122	GG	AA	1940161629
SNP_P1_38063_13041422	NC_021162.1	Ca_kabuli_chr03	13041422	CC	TT	1940161630
SNP_P1_38064_13041468	NC_021162.1	Ca_kabuli_chr03	13041468	CC	TT	1940161631
SNP_P1_38065_13041533	NC_021162.1	Ca_kabuli_chr03	13041533	AA	GG	1940161632
SNP_P1_38066_13041578	NC_021162.1	Ca_kabuli_chr03	13041578	AA	GG	1940161633
SNP_P1_38067_13041598	NC_021162.1	Ca_kabuli_chr03	13041598	AA	GG	1940161634
SNP_P1_38068_13041972	NC_021162.1	Ca_kabuli_chr03	13041972	GG	CC	1940161635
SNP_P1_38069_13042102	NC_021162.1	Ca_kabuli_chr03	13042102	AA	CC	1940161636
SNP_P1_38070_13042121	NC_021162.1	Ca_kabuli_chr03	13042121	AA	TT	1940161637
SNP_P1_38071_13042123	NC_021162.1	Ca_kabuli_chr03	13042123	GG	AA	1940161638
SNP_P1_38072_13050654	NC_021162.1	Ca_kabuli_chr03	13050654	TT	CC	1940161639
SNP_P1_38073_13050667	NC_021162.1	Ca_kabuli_chr03	13050667	GG	AA	1940161640
SNP_P1_38074_13050707	NC_021162.1	Ca_kabuli_chr03	13050707	TT	CC	1940161641
SNP_P1_38075_13050719	NC_021162.1	Ca_kabuli_chr03	13050719	AA	GG	1940161642
SNP_P1_38076_13068635	NC_021162.1	Ca_kabuli_chr03	13068635	AA	GG	1940161643
SNP_P1_38077_13068672	NC_021162.1	Ca_kabuli_chr03	13068672	GG	TT	1940161644
SNP_P1_38078_13070122	NC_021162.1	Ca_kabuli_chr03	13070122	GG	TT	1940161645
SNP_P1_38080_13072569	NC_021162.1	Ca_kabuli_chr03	13072569	TT	CC	1940161646
SNP_P1_38081_13079593	NC_021162.1	Ca_kabuli_chr03	13079593	AA	GG	1940161647
SNP_P1_38082_13094174	NC_021162.1	Ca_kabuli_chr03	13094174	GG	AA	1940161648
SNP_P1_38083_13095040	NC_021162.1	Ca_kabuli_chr03	13095040	CC	TT	1940161649
SNP_P1_38084_13095044	NC_021162.1	Ca_kabuli_chr03	13095044	GG	AA	1940161650
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SNP_P1_38086_13096566	NC_021162.1	Ca_kabuli_chr03	13096566	AA	CC	1940161652
SNP_P1_38087_13096590	NC_021162.1	Ca_kabuli_chr03	13096590	AA	CC	1940161653
SNP_P1_38088_13096629	NC_021162.1	Ca_kabuli_chr03	13096629	TT	GG	1940161654
SNP_P1_38089_13096654	NC_021162.1	Ca_kabuli_chr03	13096654	TT	CC	1940161655
SNP_P1_38090_13096771	NC_021162.1	Ca_kabuli_chr03	13096771	AA	GG	1940161656
SNP_P1_38091_13096799	NC_021162.1	Ca_kabuli_chr03	13096799	TT	GG	1940161657
SNP_P1_38092_13096813	NC_021162.1	Ca_kabuli_chr03	13096813	GG	AA	1940161658
SNP_P1_38093_13096814	NC_021162.1	Ca_kabuli_chr03	13096814	GG	TT	1940161659
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SNP_P1_38097_13097106	NC_021162.1	Ca_kabuli_chr03	13097106	TT	CC	1940161661
SNP_P1_38098_13097110	NC_021162.1	Ca_kabuli_chr03	13097110	CC	TT	1940161663

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38100_13097841	NC_021162.1	Ca_kabuli_chr03	13097841	GG	AA	1940161665
SNP_P1_38101_13101283	NC_021162.1	Ca_kabuli_chr03	13101283	GG	AA	1940161666
SNP_P1_38102_13101284	NC_021162.1	Ca_kabuli_chr03	13101284	CC	GG	1940161667
SNP_P1_38103_13101297	NC_021162.1	Ca_kabuli_chr03	13101297	AA	GG	1940161668
SNP_P1_38104_13101305	NC_021162.1	Ca_kabuli_chr03	13101305	AA	CC	1940161669
SNP_P1_38106_13106799	NC_021162.1	Ca_kabuli_chr03	13106799	AA	TT	1940161670
SNP_P1_38107_13107137	NC_021162.1	Ca_kabuli_chr03	13107137	CC	TT	1940161671
SNP_P1_38108_13107207	NC_021162.1	Ca_kabuli_chr03	13107207	TT	GG	1940161672
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SNP_P1_38110_13107601	NC_021162.1	Ca_kabuli_chr03	13107601	AA	GG	1940161674
SNP_P1_38111_13107617	NC_021162.1	Ca_kabuli_chr03	13107617	AA	GG	1940161675
SNP_P1_38112_13107641	NC_021162.1	Ca_kabuli_chr03	13107641	TT	AA	1940161676
SNP_P1_38113_13123821	NC_021162.1	Ca_kabuli_chr03	13123821	CC	TT	1940161677
SNP_P1_38114_13146137	NC_021162.1	Ca_kabuli_chr03	13146137	GG	CC	1940161678
SNP_P1_38115_13162556	NC_021162.1	Ca_kabuli_chr03	13162556	CC	TT	1940161679
SNP_P1_38116_13172291	NC_021162.1	Ca_kabuli_chr03	13172291	AA	GG	1940161680
SNP_P1_38117_13172358	NC_021162.1	Ca_kabuli_chr03	13172358	CC	GG	1940161681
SNP_P1_38118_13180035	NC_021162.1	Ca_kabuli_chr03	13180035	CC	TT	1940161682
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SNP_P1_38121_13185138	NC_021162.1	Ca_kabuli_chr03	13185138	GG	TT	1940161685
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SNP_P1_38125_13185297	NC_021162.1	Ca_kabuli_chr03	13185297	CC	AA	1940161689
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SNP_P1_38127_13185350	NC_021162.1	Ca_kabuli_chr03	13185350	GG	AA	1940161691
SNP_P1_38128_13185385	NC_021162.1	Ca_kabuli_chr03	13185385	GG	TT	1940161692
SNP_P1_38129_13185408	NC_021162.1	Ca_kabuli_chr03	13185408	CC	TT	1940161693
SNP_P1_38131_13185472	NC_021162.1	Ca_kabuli_chr03	13185472	AA	CC	1940161694
SNP_P1_38132_13185558	NC_021162.1	Ca_kabuli_chr03	13185558	GG	CC	1940161695
SNP_P1_38133_13185559	NC_021162.1	Ca_kabuli_chr03	13185559	GG	AA	1940161696
SNP_P1_38134_13185568	NC_021162.1	Ca_kabuli_chr03	13185568	GG	AA	1940161697
SNP_P1_38135_13185569	NC_021162.1	Ca_kabuli_chr03	13185569	AA	GG	1940161698
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SNP_P1_38140_13218688	NC_021162.1	Ca_kabuli_chr03	13218688	CC	GG	1940161702
SNP_P1_38142_13238621	NC_021162.1	Ca_kabuli_chr03	13238621	AA	CC	1940161704
SNP_P1_38143_13243753	NC_021162.1	Ca_kabuli_chr03	13243753	GG	AA	1940161705
SNP_P1_38144_13243754	NC_021162.1	Ca_kabuli_chr03	13243754	GG	CC	1940161706

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38147_13285199	NC_021162.1	Ca_kabuli_chr03	13285199	CC	TT	1940161709
SNP_P1_38148_13285211	NC_021162.1	Ca_kabuli_chr03	13285211	AA	GG	1940161710
SNP_P1_38149_13285214	NC_021162.1	Ca_kabuli_chr03	13285214	AA	GG	1940161711
SNP_P1_38150_13285217	NC_021162.1	Ca_kabuli_chr03	13285217	AA	GG	1940161712
SNP_P1_38151_13285225	NC_021162.1	Ca_kabuli_chr03	13285225	AA	TT	1940161713
SNP_P1_38152_13286942	NC_021162.1	Ca_kabuli_chr03	13286942	GG	AA	1940161714
SNP_P1_38153_13291899	NC_021162.1	Ca_kabuli_chr03	13291899	AA	GG	1940161715
SNP_P1_38154_13291932	NC_021162.1	Ca_kabuli_chr03	13291932	AA	GG	1940161716
SNP_P1_38156_13319737	NC_021162.1	Ca_kabuli_chr03	13319737	GG	AA	1940161717
SNP_P1_38157_13328887	NC_021162.1	Ca_kabuli_chr03	13328887	GG	AA	1940161718
SNP_P1_38158_13335689	NC_021162.1	Ca_kabuli_chr03	13335689	CC	TT	1940161719
SNP_P1_38159_13346261	NC_021162.1	Ca_kabuli_chr03	13346261	GG	AA	1940161720
SNP_P1_38160_13362724	NC_021162.1	Ca_kabuli_chr03	13362724	CC	AA	1940161721
SNP_P1_38161_13362729	NC_021162.1	Ca_kabuli_chr03	13362729	CC	AA	1940161722
SNP_P1_38162_13363088	NC_021162.1	Ca_kabuli_chr03	13363088	CC	TT	1940161723
SNP_P1_38163_13363223	NC_021162.1	Ca_kabuli_chr03	13363223	TT	CC	1940161724
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SNP_P1_38165_13363401	NC_021162.1	Ca_kabuli_chr03	13363401	AA	GG	1940161726
SNP_P1_38166_13364307	NC_021162.1	Ca_kabuli_chr03	13364307	GG	AA	1940161727
SNP_P1_38167_13364387	NC_021162.1	Ca_kabuli_chr03	13364387	GG	AA	1940161728
SNP_P1_38168_13364426	NC_021162.1	Ca_kabuli_chr03	13364426	GG	AA	1940161729
SNP_P1_38169_13364428	NC_021162.1	Ca_kabuli_chr03	13364428	AA	GG	1940161730
SNP_P1_38170_13364493	NC_021162.1	Ca_kabuli_chr03	13364493	CC	TT	1940161731
SNP_P1_38171_13364515	NC_021162.1	Ca_kabuli_chr03	13364515	AA	CC	1940161732
SNP_P1_38172_13364596	NC_021162.1	Ca_kabuli_chr03	13364596	CC	AA	1940161733
SNP_P1_38173_13364608	NC_021162.1	Ca_kabuli_chr03	13364608	GG	AA	1940161734
SNP_P1_38174_13364823	NC_021162.1	Ca_kabuli_chr03	13364823	GG	CC	1940161735
SNP_P1_38175_13412911	NC_021162.1	Ca_kabuli_chr03	13412911	CC	AA	1940161736
SNP_P1_38176_13415370	NC_021162.1	Ca_kabuli_chr03	13415370	CC	TT	1940161737
SNP_P1_38178_13450423	NC_021162.1	Ca_kabuli_chr03	13450423	CC	TT	1940161738
SNP_P1_38179_13450435	NC_021162.1	Ca_kabuli_chr03	13450435	GG	AA	1940161739
SNP_P1_38180_13450996	NC_021162.1	Ca_kabuli_chr03	13450996	AA	GG	1940161740
SNP_P1_38181_13450999	NC_021162.1	Ca_kabuli_chr03	13450999	AA	CC	1940161742
SNP_P1_38182_13451009	NC_021162.1	Ca_kabuli_chr03	13451009	GG	TT	1940161743
SNP_P1_38183_13451073	NC_021162.1	Ca_kabuli_chr03	13451073	AA	TT	1940161744
SNP_P1_38184_13451074	NC_021162.1	Ca_kabuli_chr03	13451074	AA	CC	1940161745
SNP_P1_38185_13451076	NC_021162.1	Ca_kabuli_chr03	13451076	AA	GG	1940161746
SNP_P1_38186_13451077	NC_021162.1	Ca_kabuli_chr03	13451077	TT	CC	1940161747
SNP_P1_38187_13451093	NC_021162.1	Ca_kabuli_chr03	13451093	TT	CC	1940161748
SNP_P1_38188_13451106	NC_021162.1	Ca_kabuli_chr03	13451106	AA	TT	1940161749

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38190_13451150	NC_021162.1	Ca_kabuli_chr03	13451150	AA	CC	1940161751
SNP_P1_38191_13451365	NC_021162.1	Ca_kabuli_chr03	13451365	TT	GG	1940161752
SNP_P1_38192_13451386	NC_021162.1	Ca_kabuli_chr03	13451386	AA	TT	1940161753
SNP_P1_38193_13465239	NC_021162.1	Ca_kabuli_chr03	13465239	TT	CC	1940161754
SNP_P1_38194_13465251	NC_021162.1	Ca_kabuli_chr03	13465251	CC	TT	1940161755
SNP_P1_38195_13465281	NC_021162.1	Ca_kabuli_chr03	13465281	GG	TT	1940161756
SNP_P1_38196_13479523	NC_021162.1	Ca_kabuli_chr03	13479523	CC	TT	1940161757
SNP_P1_38197_13480016	NC_021162.1	Ca_kabuli_chr03	13480016	TT	CC	1940161758
SNP_P1_38198_13485335	NC_021162.1	Ca_kabuli_chr03	13485335	TT	AA	1940161759
SNP_P1_38199_13485340	NC_021162.1	Ca_kabuli_chr03	13485340	GG	AA	1940161760
SNP_P1_38200_13486825	NC_021162.1	Ca_kabuli_chr03	13486825	CC	TT	1940161761
SNP_P1_38201_13486829	NC_021162.1	Ca_kabuli_chr03	13486829	CC	TT	1940161762
SNP_P1_38202_13487225	NC_021162.1	Ca_kabuli_chr03	13487225	GG	AA	1940161763
SNP_P1_38203_13487957	NC_021162.1	Ca_kabuli_chr03	13487957	AA	GG	1940161764
SNP_P1_38204_13488023	NC_021162.1	Ca_kabuli_chr03	13488023	GG	AA	1940161765
SNP_P1_38205_13488375	NC_021162.1	Ca_kabuli_chr03	13488375	AA	GG	1940161766
SNP_P1_38206_13488414	NC_021162.1	Ca_kabuli_chr03	13488414	AA	GG	1940161767
SNP_P1_38207_13488476	NC_021162.1	Ca_kabuli_chr03	13488476	TT	CC	1940161769
SNP_P1_38208_13488517	NC_021162.1	Ca_kabuli_chr03	13488517	AA	TT	1940161770
SNP_P1_38209_13488518	NC_021162.1	Ca_kabuli_chr03	13488518	TT	AA	1940161771
SNP_P1_38210_13494101	NC_021162.1	Ca_kabuli_chr03	13494101	TT	CC	1940161772
SNP_P1_38211_13495161	NC_021162.1	Ca_kabuli_chr03	13495161	TT	AA	1940161773
SNP_P1_38213_13511114	NC_021162.1	Ca_kabuli_chr03	13511114	GG	CC	1940161774
SNP_P1_38214_13511764	NC_021162.1	Ca_kabuli_chr03	13511764	AA	GG	1940161775
SNP_P1_38215_13525259	NC_021162.1	Ca_kabuli_chr03	13525259	TT	CC	1940161776
SNP_P1_38216_13525682	NC_021162.1	Ca_kabuli_chr03	13525682	GG	AA	1940161777
SNP_P1_38217_13527089	NC_021162.1	Ca_kabuli_chr03	13527089	TT	CC	1940161778
SNP_P1_38218_13551886	NC_021162.1	Ca_kabuli_chr03	13551886	GG	AA	1940161779
SNP_P1_38219_13552038	NC_021162.1	Ca_kabuli_chr03	13552038	GG	AA	1940161780
SNP_P1_38220_13554624	NC_021162.1	Ca_kabuli_chr03	13554624	TT	CC	1940161781
SNP_P1_38221_13556723	NC_021162.1	Ca_kabuli_chr03	13556723	TT	AA	1940161782
SNP_P1_38222_13556906	NC_021162.1	Ca_kabuli_chr03	13556906	TT	CC	1940161783
SNP_P1_38223_13561482	NC_021162.1	Ca_kabuli_chr03	13561482	AA	CC	1940161784
SNP_P1_38224_13591721	NC_021162.1	Ca_kabuli_chr03	13591721	GG	AA	1940161785
SNP_P1_38225_13596984	NC_021162.1	Ca_kabuli_chr03	13596984	TT	AA	1940161786
SNP_P1_38226_13597050	NC_021162.1	Ca_kabuli_chr03	13597050	AA	GG	1940161787
SNP_P1_38227_13612460	NC_021162.1	Ca_kabuli_chr03	13612460	AA	GG	1940161788
SNP_P1_38228_13612461	NC_021162.1	Ca_kabuli_chr03	13612461	TT	GG	1940161789
SNP_P1_38229_13646704	NC_021162.1	Ca_kabuli_chr03	13646704	CC	TT	1940161790
SNP_P1_38233_13704762	NC_021162.1	Ca_kabuli_chr03	13704762	CC	TT	1940161791
SNP_P1_38234_13704809	NC_021162.1	Ca_kabuli_chr03	13704809	AA	TT	1940161792

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38236_13732459	NC_021162.1	Ca_kabuli_chr03	13732459	AA	GG	1940161795
SNP_P1_38237_13733563	NC_021162.1	Ca_kabuli_chr03	13733563	TT	CC	1940161796
SNP_P1_38238_13762448	NC_021162.1	Ca_kabuli_chr03	13762448	AA	TT	1940161797
SNP_P1_38239_13787212	NC_021162.1	Ca_kabuli_chr03	13787212	CC	GG	1940161798
SNP_P1_38240_13787486	NC_021162.1	Ca_kabuli_chr03	13787486	GG	AA	1940161799
SNP_P1_38241_13787527	NC_021162.1	Ca_kabuli_chr03	13787527	GG	AA	1940161800
SNP_P1_38242_13788757	NC_021162.1	Ca_kabuli_chr03	13788757	GG	AA	1940161801
SNP_P1_38245_13815860	NC_021162.1	Ca_kabuli_chr03	13815860	AA	GG	1940161802
SNP_P1_38246_13815884	NC_021162.1	Ca_kabuli_chr03	13815884	CC	TT	1940161803
SNP_P1_38247_13815905	NC_021162.1	Ca_kabuli_chr03	13815905	TT	CC	1940161804
SNP_P1_38250_13830425	NC_021162.1	Ca_kabuli_chr03	13830425	CC	GG	1940161805
SNP_P1_38252_13849981	NC_021162.1	Ca_kabuli_chr03	13849981	AA	GG	1940161806
SNP_P1_38253_13852265	NC_021162.1	Ca_kabuli_chr03	13852265	GG	AA	1940161807
SNP_P1_38254_13856108	NC_021162.1	Ca_kabuli_chr03	13856108	GG	AA	1940161808
SNP_P1_38255_13862860	NC_021162.1	Ca_kabuli_chr03	13862860	GG	TT	1940161809
SNP_P1_38256_13864703	NC_021162.1	Ca_kabuli_chr03	13864703	CC	TT	1940161810
SNP_P1_38257_13868409	NC_021162.1	Ca_kabuli_chr03	13868409	GG	AA	1940161811
SNP_P1_38258_13868412	NC_021162.1	Ca_kabuli_chr03	13868412	CC	TT	1940161812
SNP_P1_38259_13868478	NC_021162.1	Ca_kabuli_chr03	13868478	AA	GG	1940161814
SNP_P1_38260_13868536	NC_021162.1	Ca_kabuli_chr03	13868536	AA	GG	1940161815
SNP_P1_38261_13868703	NC_021162.1	Ca_kabuli_chr03	13868703	AA	CC	1940161816
SNP_P1_38262_13868720	NC_021162.1	Ca_kabuli_chr03	13868720	GG	AA	1940161817
SNP_P1_38263_13868750	NC_021162.1	Ca_kabuli_chr03	13868750	AA	GG	1940161818
SNP_P1_38264_13868801	NC_021162.1	Ca_kabuli_chr03	13868801	AA	CC	1940161819
SNP_P1_38265_13868803	NC_021162.1	Ca_kabuli_chr03	13868803	TT	GG	1940161820
SNP_P1_38266_13868811	NC_021162.1	Ca_kabuli_chr03	13868811	TT	CC	1940161821
SNP_P1_38267_13868818	NC_021162.1	Ca_kabuli_chr03	13868818	TT	GG	1940161822
SNP_P1_38268_13868879	NC_021162.1	Ca_kabuli_chr03	13868879	CC	TT	1940161823
SNP_P1_38269_13868880	NC_021162.1	Ca_kabuli_chr03	13868880	TT	CC	1940161824
SNP_P1_38270_13868881	NC_021162.1	Ca_kabuli_chr03	13868881	TT	GG	1940161825
SNP_P1_38271_13868886	NC_021162.1	Ca_kabuli_chr03	13868886	AA	GG	1940161826
SNP_P1_38272_13868894	NC_021162.1	Ca_kabuli_chr03	13868894	TT	CC	1940161827
SNP_P1_38273_13876584	NC_021162.1	Ca_kabuli_chr03	13876584	AA	GG	1940161828
SNP_P1_38274_13879492	NC_021162.1	Ca_kabuli_chr03	13879492	GG	TT	1940161829
SNP_P1_38275_13879557	NC_021162.1	Ca_kabuli_chr03	13879557	GG	CC	1940161830
SNP_P1_38276_13879889	NC_021162.1	Ca_kabuli_chr03	13879889	TT	CC	1940161831
SNP_P1_38277_13886851	NC_021162.1	Ca_kabuli_chr03	13886851	AA	GG	1940161832
SNP_P1_38278_13912481	NC_021162.1	Ca_kabuli_chr03	13912481	AA	TT	1940161833
SNP_P1_38279_13916452	NC_021162.1	Ca_kabuli_chr03	13916452	AA	GG	1940161834
SNP_P1_38280_13916462	NC_021162.1	Ca_kabuli_chr03	13916462	TT	CC	1940161835
SNP_P1_38281_13917997	NC_021162.1	Ca_kabuli_chr03	13917997	GG	TT	1940161836

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38283_13935464	NC_021162.1	Ca_kabuli_chr03	13935464	TT	CC	1940161838
SNP_P1_38285_13935971	NC_021162.1	Ca_kabuli_chr03	13935971	CC	AA	1940161839
SNP_P1_38286_13935983	NC_021162.1	Ca_kabuli_chr03	13935983	CC	TT	1940161840
SNP_P1_38287_13936280	NC_021162.1	Ca_kabuli_chr03	13936280	AA	GG	1940161841
SNP_P1_38288_13950687	NC_021162.1	Ca_kabuli_chr03	13950687	TT	GG	1940161842
SNP_P1_38289_13950688	NC_021162.1	Ca_kabuli_chr03	13950688	GG	TT	1940161843
SNP_P1_38290_13953840	NC_021162.1	Ca_kabuli_chr03	13953840	CC	TT	1940161844
SNP_P1_38291_13955788	NC_021162.1	Ca_kabuli_chr03	13955788	CC	TT	1940161845
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SNP_P1_38293_13956192	NC_021162.1	Ca_kabuli_chr03	13956192	TT	AA	1940161848
SNP_P1_38294_13957669	NC_021162.1	Ca_kabuli_chr03	13957669	AA	CC	1940161849
SNP_P1_38296_13958303	NC_021162.1	Ca_kabuli_chr03	13958303	CC	TT	1940161850
SNP_P1_38298_13972872	NC_021162.1	Ca_kabuli_chr03	13972872	AA	CC	1940161851
SNP_P1_38299_13972873	NC_021162.1	Ca_kabuli_chr03	13972873	TT	AA	1940161852
SNP_P1_38300_13972891	NC_021162.1	Ca_kabuli_chr03	13972891	TT	CC	1940161853
SNP_P1_38301_13972905	NC_021162.1	Ca_kabuli_chr03	13972905	TT	AA	1940161854
SNP_P1_38302_13975057	NC_021162.1	Ca_kabuli_chr03	13975057	TT	CC	1940161855
SNP_P1_38303_13999174	NC_021162.1	Ca_kabuli_chr03	13999174	TT	CC	1940161856
SNP_P1_38304_14015483	NC_021162.1	Ca_kabuli_chr03	14015483	CC	TT	1940161857
SNP_P1_38305_14021235	NC_021162.1	Ca_kabuli_chr03	14021235	CC	TT	1940161858
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SNP_P1_38308_14129466	NC_021162.1	Ca_kabuli_chr03	14129466	GG	AA	1940161860
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SNP_P1_38310_14144555	NC_021162.1	Ca_kabuli_chr03	14144555	CC	AA	1940161862
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SNP_P1_38313_14147296	NC_021162.1	Ca_kabuli_chr03	14147296	TT	AA	1940161864
SNP_P1_38314_14159353	NC_021162.1	Ca_kabuli_chr03	14159353	AA	TT	1940161865
SNP_P1_38315_14163687	NC_021162.1	Ca_kabuli_chr03	14163687	AA	CC	1940161866
SNP_P1_38316_14171940	NC_021162.1	Ca_kabuli_chr03	14171940	GG	AA	1940161867
SNP_P1_38317_14181088	NC_021162.1	Ca_kabuli_chr03	14181088	AA	GG	1940161868
SNP_P1_38319_14227205	NC_021162.1	Ca_kabuli_chr03	14227205	CC	AA	1940161869
SNP_P1_38320_14227841	NC_021162.1	Ca_kabuli_chr03	14227841	GG	AA	1940161870
SNP_P1_38321_14227848	NC_021162.1	Ca_kabuli_chr03	14227848	AA	GG	1940161871
SNP_P1_38322_14227854	NC_021162.1	Ca_kabuli_chr03	14227854	AA	CC	1940161872
SNP_P1_38323_14242193	NC_021162.1	Ca_kabuli_chr03	14242193	AA	TT	1940161873
SNP_P1_38324_14242194	NC_021162.1	Ca_kabuli_chr03	14242194	TT	CC	1940161874
SNP_P1_38325_14242214	NC_021162.1	Ca_kabuli_chr03	14242214	TT	GG	1940161875
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SNP_P1_38328_14243770	NC_021162.1	Ca_kabuli_chr03	14243770	CC	TT	1940161878
SNP_P1_38329_14243772	NC_021162.1	Ca_kabuli_chr03	14243772	AA	GG	1940161879

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38332_14245585	NC_021162.1	Ca_kabuli_chr03	14245585	AA	GG	1940161882
SNP_P1_38333_14245793	NC_021162.1	Ca_kabuli_chr03	14245793	CC	TT	1940161884
SNP_P1_38334_14245801	NC_021162.1	Ca_kabuli_chr03	14245801	AA	GG	1940161885
SNP_P1_38335_14245810	NC_021162.1	Ca_kabuli_chr03	14245810	CC	TT	1940161886
SNP_P1_38336_14245813	NC_021162.1	Ca_kabuli_chr03	14245813	TT	AA	1940161887
SNP_P1_38337_14245820	NC_021162.1	Ca_kabuli_chr03	14245820	AA	GG	1940161888
SNP_P1_38338_14246791	NC_021162.1	Ca_kabuli_chr03	14246791	AA	GG	1940161889
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SNP_P1_38340_14247092	NC_021162.1	Ca_kabuli_chr03	14247092	TT	CC	1940161891
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SNP_P1_38342_14247231	NC_021162.1	Ca_kabuli_chr03	14247231	TT	CC	1940161893
SNP_P1_38343_14247410	NC_021162.1	Ca_kabuli_chr03	14247410	GG	AA	1940161894
SNP_P1_38344_14247491	NC_021162.1	Ca_kabuli_chr03	14247491	GG	AA	1940161895
SNP_P1_38345_14247628	NC_021162.1	Ca_kabuli_chr03	14247628	GG	AA	1940161896
SNP_P1_38346_14247724	NC_021162.1	Ca_kabuli_chr03	14247724	CC	TT	1940161897
SNP_P1_38347_14247789	NC_021162.1	Ca_kabuli_chr03	14247789	GG	TT	1940161898
SNP_P1_38348_14247834	NC_021162.1	Ca_kabuli_chr03	14247834	AA	TT	1940161899
SNP_P1_38349_14247853	NC_021162.1	Ca_kabuli_chr03	14247853	GG	AA	1940161900
SNP_P1_38350_14247953	NC_021162.1	Ca_kabuli_chr03	14247953	CC	TT	1940161901
SNP_P1_38351_14248011	NC_021162.1	Ca_kabuli_chr03	14248011	GG	TT	1940161902
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SNP_P1_38356_14248309	NC_021162.1	Ca_kabuli_chr03	14248309	TT	CC	1940161907
SNP_P1_38357_14248339	NC_021162.1	Ca_kabuli_chr03	14248339	TT	CC	1940161908
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SNP_P1_38359_14248410	NC_021162.1	Ca_kabuli_chr03	14248410	TT	CC	1940161910
SNP_P1_38360_14248576	NC_021162.1	Ca_kabuli_chr03	14248576	TT	CC	1940161911
SNP_P1_38361_14248799	NC_021162.1	Ca_kabuli_chr03	14248799	GG	AA	1940161912
SNP_P1_38362_14248827	NC_021162.1	Ca_kabuli_chr03	14248827	AA	GG	1940161913
SNP_P1_38363_14248863	NC_021162.1	Ca_kabuli_chr03	14248863	CC	TT	1940161914
SNP_P1_38364_14248933	NC_021162.1	Ca_kabuli_chr03	14248933	GG	AA	1940161915
SNP_P1_38365_14249125	NC_021162.1	Ca_kabuli_chr03	14249125	TT	CC	1940161916
SNP_P1_38366_14249133	NC_021162.1	Ca_kabuli_chr03	14249133	AA	GG	1940161917
SNP_P1_38367_14249147	NC_021162.1	Ca_kabuli_chr03	14249147	AA	GG	1940161918
SNP_P1_38368_14249148	NC_021162.1	Ca_kabuli_chr03	14249148	AA	TT	1940161919
SNP_P1_38369_14249156	NC_021162.1	Ca_kabuli_chr03	14249156	CC	TT	1940161920
SNP_P1_38370_14249242	NC_021162.1	Ca_kabuli_chr03	14249242	TT	AA	1940161921
SNP_P1_38371_14249248	NC_021162.1	Ca_kabuli_chr03	14249248	AA	GG	1940161922

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_38372_14249439	NC_021162.1	Ca_kabuli_chr03	14249439	CC	TT	1940161923
SNP_P1_38373_14249493	NC_021162.1	Ca_kabuli_chr03	14249493	AA	GG	1940161925
SNP_P1_38374_14249508	NC_021162.1	Ca_kabuli_chr03	14249508	GG	CC	1940161926
SNP_P1_38376_14420476	NC_021162.1	Ca_kabuli_chr03	14420476	TT	GG	1940161927
SNP_P1_38378_14430962	NC_021162.1	Ca_kabuli_chr03	14430962	CC	TT	1940161928
SNP_P1_38379_14430984	NC_021162.1	Ca_kabuli_chr03	14430984	GG	TT	1940161929
SNP_P1_38380_14430995	NC_021162.1	Ca_kabuli_chr03	14430995	GG	TT	1940161930
SNP_P1_38382_14460325	NC_021162.1	Ca_kabuli_chr03	14460325	CC	AA	1940161931
SNP_P1_38384_14479527	NC_021162.1	Ca_kabuli_chr03	14479527	AA	GG	1940161932
SNP_P1_38385_14488182	NC_021162.1	Ca_kabuli_chr03	14488182	AA	CC	1940161933
SNP_P1_38386_14488184	NC_021162.1	Ca_kabuli_chr03	14488184	TT	CC	1940161934
SNP_P1_38387_14488192	NC_021162.1	Ca_kabuli_chr03	14488192	TT	CC	1940161935
SNP_P1_38389_14495011	NC_021162.1	Ca_kabuli_chr03	14495011	AA	GG	1940161936
SNP_P1_38390_14495027	NC_021162.1	Ca_kabuli_chr03	14495027	TT	CC	1940161937
SNP_P1_38391_14495029	NC_021162.1	Ca_kabuli_chr03	14495029	TT	GG	1940161938
SNP_P1_38392_14495075	NC_021162.1	Ca_kabuli_chr03	14495075	CC	TT	1940161939
SNP_P1_38393_14495131	NC_021162.1	Ca_kabuli_chr03	14495131	AA	GG	1940161940
SNP_P1_38394_14495154	NC_021162.1	Ca_kabuli_chr03	14495154	CC	TT	1940161941
SNP_P1_38395_14495170	NC_021162.1	Ca_kabuli_chr03	14495170	AA	CC	1940161942
SNP_P1_38396_14495185	NC_021162.1	Ca_kabuli_chr03	14495185	TT	CC	1940161943
SNP_P1_38397_14495205	NC_021162.1	Ca_kabuli_chr03	14495205	GG	AA	1940161944
SNP_P1_38398_14495234	NC_021162.1	Ca_kabuli_chr03	14495234	CC	TT	1940161945
SNP_P1_38399_14495264	NC_021162.1	Ca_kabuli_chr03	14495264	TT	CC	1940161946
SNP_P1_38400_14495412	NC_021162.1	Ca_kabuli_chr03	14495412	CC	AA	1940161947
SNP_P1_38401_14495454	NC_021162.1	Ca_kabuli_chr03	14495454	AA	CC	1940161948
SNP_P1_38402_14495459	NC_021162.1	Ca_kabuli_chr03	14495459	TT	CC	1940161949
SNP_P1_38403_14495501	NC_021162.1	Ca_kabuli_chr03	14495501	TT	CC	1940161950
SNP_P1_38404_14503487	NC_021162.1	Ca_kabuli_chr03	14503487	AA	GG	1940161951
SNP_P1_38406_14523293	NC_021162.1	Ca_kabuli_chr03	14523293	TT	CC	1940161952
SNP_P1_38407_14531834	NC_021162.1	Ca_kabuli_chr03	14531834	CC	TT	1940161953
SNP_P1_38408_14543361	NC_021162.1	Ca_kabuli_chr03	14543361	TT	CC	1940161954
SNP_P1_38409_14543443	NC_021162.1	Ca_kabuli_chr03	14543443	TT	GG	1940161955
SNP_P1_38410_14543457	NC_021162.1	Ca_kabuli_chr03	14543457	AA	GG	1940161956
SNP_P1_38411_14543486	NC_021162.1	Ca_kabuli_chr03	14543486	AA	CC	1940161957
SNP_P1_38412_14543487	NC_021162.1	Ca_kabuli_chr03	14543487	TT	GG	1940161959
SNP_P1_38413_14556386	NC_021162.1	Ca_kabuli_chr03	14556386	AA	GG	1940161960
SNP_P1_38415_14569670	NC_021162.1	Ca_kabuli_chr03	14569670	CC	TT	1940161961
SNP_P1_38416_14569689	NC_021162.1	Ca_kabuli_chr03	14569689	AA	TT	1940161962
SNP_P1_38417_14569690	NC_021162.1	Ca_kabuli_chr03	14569690	AA	TT	1940161963
SNP_P1_38418_14569694	NC_021162.1	Ca_kabuli_chr03	14569694	TT	GG	1940161964
SNP_P1_38419_14573506	NC_021162.1	Ca_kabuli_chr03	14573506	CC	TT	1940161965
SNP_P1_38420_14575029	NC_021162.1	Ca_kabuli_chr03	14575029	TT	CC	1940161966

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_38421_14575390	NC_021162.1	Ca_kabuli_chr03	14575390	AA	GG	1940161967
SNP_P1_38422_14575419	NC_021162.1	Ca_kabuli_chr03	14575419	AA	GG	1940161968
SNP_P1_38423_14576963	NC_021162.1	Ca_kabuli_chr03	14576963	AA	TT	1940161969
SNP_P1_38424_14577283	NC_021162.1	Ca_kabuli_chr03	14577283	GG	AA	1940161970
SNP_P1_38425_14577295	NC_021162.1	Ca_kabuli_chr03	14577295	TT	CC	1940161971
SNP_P1_38427_14602311	NC_021162.1	Ca_kabuli_chr03	14602311	AA	TT	1940161972
SNP_P1_38428_14602340	NC_021162.1	Ca_kabuli_chr03	14602340	AA	TT	1940161973
SNP_P1_38429_14602739	NC_021162.1	Ca_kabuli_chr03	14602739	AA	CC	1940161974
SNP_P1_38431_14629921	NC_021162.1	Ca_kabuli_chr03	14629921	TT	AA	1940161976
SNP_P1_38433_14653365	NC_021162.1	Ca_kabuli_chr03	14653365	AA	GG	1940161977
SNP_P1_38434_14653384	NC_021162.1	Ca_kabuli_chr03	14653384	CC	GG	1940161978
SNP_P1_38435_14666615	NC_021162.1	Ca_kabuli_chr03	14666615	GG	AA	1940161979
SNP_P1_38437_14679897	NC_021162.1	Ca_kabuli_chr03	14679897	GG	AA	1940161980
SNP_P1_38438_14679933	NC_021162.1	Ca_kabuli_chr03	14679933	GG	TT	1940161981
SNP_P1_38439_14695996	NC_021162.1	Ca_kabuli_chr03	14695996	TT	AA	1940161982
SNP_P1_38440_14696998	NC_021162.1	Ca_kabuli_chr03	14696998	AA	GG	1940161983
SNP_P1_38441_14697026	NC_021162.1	Ca_kabuli_chr03	14697026	AA	GG	1940161984
SNP_P1_38442_14697343	NC_021162.1	Ca_kabuli_chr03	14697343	AA	GG	1940161985
SNP_P1_38443_14698929	NC_021162.1	Ca_kabuli_chr03	14698929	CC	TT	1940161986
SNP_P1_38444_14698945	NC_021162.1	Ca_kabuli_chr03	14698945	TT	CC	1940161987
SNP_P1_38445_14703843	NC_021162.1	Ca_kabuli_chr03	14703843	TT	CC	1940161988
SNP_P1_38446_14706603	NC_021162.1	Ca_kabuli_chr03	14706603	AA	CC	1940161989
SNP_P1_38450_14770761	NC_021162.1	Ca_kabuli_chr03	14770761	TT	CC	1940161990
SNP_P1_38452_14780176	NC_021162.1	Ca_kabuli_chr03	14780176	CC	TT	1940161991
SNP_P1_38453_14780247	NC_021162.1	Ca_kabuli_chr03	14780247	AA	GG	1940161992
SNP_P1_38454_14780282	NC_021162.1	Ca_kabuli_chr03	14780282	AA	GG	1940161993
SNP_P1_38455_14790349	NC_021162.1	Ca_kabuli_chr03	14790349	CC	AA	1940161994
SNP_P1_38456_14795717	NC_021162.1	Ca_kabuli_chr03	14795717	GG	AA	1940161995
SNP_P1_38457_14795996	NC_021162.1	Ca_kabuli_chr03	14795996	AA	TT	1940161996
SNP_P1_38458_14796042	NC_021162.1	Ca_kabuli_chr03	14796042	GG	TT	1940161997
SNP_P1_38459_14797148	NC_021162.1	Ca_kabuli_chr03	14797148	AA	GG	1940161998
SNP_P1_38461_14801632	NC_021162.1	Ca_kabuli_chr03	14801632	TT	CC	1940161999
SNP_P1_38462_14805350	NC_021162.1	Ca_kabuli_chr03	14805350	CC	TT	1940162000
SNP_P1_38463_14814676	NC_021162.1	Ca_kabuli_chr03	14814676	CC	TT	1940162001
SNP_P1_38464_14815740	NC_021162.1	Ca_kabuli_chr03	14815740	TT	CC	1940162002
SNP_P1_38465_14815778	NC_021162.1	Ca_kabuli_chr03	14815778	CC	AA	1940162003
SNP_P1_38466_14815947	NC_021162.1	Ca_kabuli_chr03	14815947	GG	AA	1940162004
SNP_P1_38467_14816120	NC_021162.1	Ca_kabuli_chr03	14816120	AA	TT	1940162005
SNP_P1_38468_14816180	NC_021162.1	Ca_kabuli_chr03	14816180	TT	CC	1940162007
SNP_P1_38469_14816185	NC_021162.1	Ca_kabuli_chr03	14816185	AA	GG	1940162008
SNP_P1_38470_14816216	NC_021162.1	Ca_kabuli_chr03	14816216	GG	AA	1940162009
SNP_P1_38471_14820102	NC_021162.1	Ca_kabuli_chr03	14820102	GG	TT	1940162010

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_38472_14820112	NC_021162.1	Ca_kabuli_chr03	14820112	GG	TT	1940162011
SNP_P1_38473_14820116	NC_021162.1	Ca_kabuli_chr03	14820116	TT	CC	1940162012
SNP_P1_38474_14820122	NC_021162.1	Ca_kabuli_chr03	14820122	GG	TT	1940162013
SNP_P1_38475_14835338	NC_021162.1	Ca_kabuli_chr03	14835338	AA	CC	1940162014
SNP_P1_38476_14835685	NC_021162.1	Ca_kabuli_chr03	14835685	TT	AA	1940162015
SNP_P1_38477_14836903	NC_021162.1	Ca_kabuli_chr03	14836903	CC	GG	1940162016
SNP_P1_38479_14843257	NC_021162.1	Ca_kabuli_chr03	14843257	AA	GG	1940162017
SNP_P1_38480_14845795	NC_021162.1	Ca_kabuli_chr03	14845795	TT	AA	1940162018
SNP_P1_38481_14848635	NC_021162.1	Ca_kabuli_chr03	14848635	CC	TT	1940162019
SNP_P1_38482_14848666	NC_021162.1	Ca_kabuli_chr03	14848666	CC	GG	1940162020
SNP_P1_38483_14848673	NC_021162.1	Ca_kabuli_chr03	14848673	GG	TT	1940162021
SNP_P1_38484_14848682	NC_021162.1	Ca_kabuli_chr03	14848682	CC	GG	1940162022
SNP_P1_38485_14849529	NC_021162.1	Ca_kabuli_chr03	14849529	AA	GG	1940162023
SNP_P1_38486_14849530	NC_021162.1	Ca_kabuli_chr03	14849530	GG	AA	1940162024
SNP_P1_38487_14853611	NC_021162.1	Ca_kabuli_chr03	14853611	AA	TT	1940162025
SNP_P1_38488_14853660	NC_021162.1	Ca_kabuli_chr03	14853660	TT	CC	1940162026
SNP_P1_38489_14853947	NC_021162.1	Ca_kabuli_chr03	14853947	TT	GG	1940162027
SNP_P1_38490_14854067	NC_021162.1	Ca_kabuli_chr03	14854067	AA	GG	1940162028
SNP_P1_38491_14854204	NC_021162.1	Ca_kabuli_chr03	14854204	CC	GG	1940162029
SNP_P1_38492_14858487	NC_021162.1	Ca_kabuli_chr03	14858487	AA	TT	1940162030
SNP_P1_38493_14858491	NC_021162.1	Ca_kabuli_chr03	14858491	TT	GG	1940162031
SNP_P1_38494_14858495	NC_021162.1	Ca_kabuli_chr03	14858495	AA	GG	1940162032
SNP_P1_38495_14858499	NC_021162.1	Ca_kabuli_chr03	14858499	AA	GG	1940162033
SNP_P1_38496_14859412	NC_021162.1	Ca_kabuli_chr03	14859412	AA	CC	1940162034
SNP_P1_38497_14859923	NC_021162.1	Ca_kabuli_chr03	14859923	AA	GG	1940162035
SNP_P1_38498_14859955	NC_021162.1	Ca_kabuli_chr03	14859955	GG	AA	1940162036
SNP_P1_38499_14860007	NC_021162.1	Ca_kabuli_chr03	14860007	CC	TT	1940162037
SNP_P1_38500_14860685	NC_021162.1	Ca_kabuli_chr03	14860685	AA	TT	1940162038
SNP_P1_38501_14862985	NC_021162.1	Ca_kabuli_chr03	14862985	GG	TT	1940162039
SNP_P1_38502_14862988	NC_021162.1	Ca_kabuli_chr03	14862988	AA	TT	1940162040
SNP_P1_38503_14862995	NC_021162.1	Ca_kabuli_chr03	14862995	TT	GG	1940162041
SNP_P1_38504_14862996	NC_021162.1	Ca_kabuli_chr03	14862996	CC	AA	1940162042
SNP_P1_38505_14867226	NC_021162.1	Ca_kabuli_chr03	14867226	AA	CC	1940162043
SNP_P1_38506_14867508	NC_021162.1	Ca_kabuli_chr03	14867508	TT	GG	1940162044
SNP_P1_38507_14867608	NC_021162.1	Ca_kabuli_chr03	14867608	CC	GG	1940162045
SNP_P1_38508_14867621	NC_021162.1	Ca_kabuli_chr03	14867621	AA	GG	1940162046
SNP_P1_38509_14867716	NC_021162.1	Ca_kabuli_chr03	14867716	GG	AA	1940162047
SNP_P1_38510_14867718	NC_021162.1	Ca_kabuli_chr03	14867718	AA	GG	1940162048
SNP_P1_38511_14867748	NC_021162.1	Ca_kabuli_chr03	14867748	TT	GG	1940162049
SNP_P1_38512_14867789	NC_021162.1	Ca_kabuli_chr03	14867789	AA	GG	1940162051
SNP_P1_38513_14868462	NC_021162.1	Ca_kabuli_chr03	14868462	TT	GG	1940162052
SNP_P1_38514_14868671	NC_021162.1	Ca_kabuli_chr03	14868671	TT	CC	1940162053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_38515_14868742	NC_021162.1	Ca_kabuli_chr03	14868742	GG	AA	1940162054
SNP_P1_38516_14868759	NC_021162.1	Ca_kabuli_chr03	14868759	CC	TT	1940162055
SNP_P1_38517_14868767	NC_021162.1	Ca_kabuli_chr03	14868767	CC	AA	1940162056
SNP_P1_38518_14868840	NC_021162.1	Ca_kabuli_chr03	14868840	AA	GG	1940162057
SNP_P1_38519_14868871	NC_021162.1	Ca_kabuli_chr03	14868871	AA	GG	1940162058
SNP_P1_38520_14868975	NC_021162.1	Ca_kabuli_chr03	14868975	AA	TT	1940162059
SNP_P1_38521_14868980	NC_021162.1	Ca_kabuli_chr03	14868980	TT	CC	1940162060
SNP_P1_38522_14872076	NC_021162.1	Ca_kabuli_chr03	14872076	GG	AA	1940162061
SNP_P1_38523_14872349	NC_021162.1	Ca_kabuli_chr03	14872349	GG	CC	1940162062
SNP_P1_38524_14872697	NC_021162.1	Ca_kabuli_chr03	14872697	GG	AA	1940162063
SNP_P1_38525_14873130	NC_021162.1	Ca_kabuli_chr03	14873130	AA	TT	1940162064
SNP_P1_38527_14878159	NC_021162.1	Ca_kabuli_chr03	14878159	TT	CC	1940162065
SNP_P1_38528_14878166	NC_021162.1	Ca_kabuli_chr03	14878166	AA	GG	1940162066
SNP_P1_38529_14878396	NC_021162.1	Ca_kabuli_chr03	14878396	AA	TT	1940162067
SNP_P1_38530_14878402	NC_021162.1	Ca_kabuli_chr03	14878402	GG	AA	1940162068
SNP_P1_38531_14878499	NC_021162.1	Ca_kabuli_chr03	14878499	TT	AA	1940162069
SNP_P1_38532_14878506	NC_021162.1	Ca_kabuli_chr03	14878506	AA	GG	1940162070
SNP_P1_38533_14878598	NC_021162.1	Ca_kabuli_chr03	14878598	CC	TT	1940162071
SNP_P1_38534_14878768	NC_021162.1	Ca_kabuli_chr03	14878768	CC	TT	1940162072
SNP_P1_38535_14879312	NC_021162.1	Ca_kabuli_chr03	14879312	AA	TT	1940162073
SNP_P1_38536_14879389	NC_021162.1	Ca_kabuli_chr03	14879389	CC	AA	1940162074
SNP_P1_38537_14879992	NC_021162.1	Ca_kabuli_chr03	14879992	CC	TT	1940162075
SNP_P1_38538_14879993	NC_021162.1	Ca_kabuli_chr03	14879993	CC	AA	1940162076
SNP_P1_38539_14880104	NC_021162.1	Ca_kabuli_chr03	14880104	GG	AA	1940162077
SNP_P1_38540_14880112	NC_021162.1	Ca_kabuli_chr03	14880112	GG	AA	1940162078
SNP_P1_38541_14880126	NC_021162.1	Ca_kabuli_chr03	14880126	GG	AA	1940162079
SNP_P1_38542_14880615	NC_021162.1	Ca_kabuli_chr03	14880615	TT	CC	1940162081
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SNP_P1_38544_14880743	NC_021162.1	Ca_kabuli_chr03	14880743	GG	TT	1940162083
SNP_P1_38545_14880753	NC_021162.1	Ca_kabuli_chr03	14880753	AA	GG	1940162084
SNP_P1_38546_14880755	NC_021162.1	Ca_kabuli_chr03	14880755	TT	CC	1940162085
SNP_P1_38547_14880757	NC_021162.1	Ca_kabuli_chr03	14880757	TT	AA	1940162086
SNP_P1_38549_14880876	NC_021162.1	Ca_kabuli_chr03	14880876	TT	GG	1940162087
SNP_P1_38550_14880889	NC_021162.1	Ca_kabuli_chr03	14880889	CC	GG	1940162088
SNP_P1_38551_14880891	NC_021162.1	Ca_kabuli_chr03	14880891	GG	AA	1940162089
SNP_P1_38552_14880943	NC_021162.1	Ca_kabuli_chr03	14880943	TT	CC	1940162090
SNP_P1_38553_14880955	NC_021162.1	Ca_kabuli_chr03	14880955	CC	AA	1940162091
SNP_P1_38554_14880978	NC_021162.1	Ca_kabuli_chr03	14880978	AA	GG	1940162092
SNP_P1_38555_14881069	NC_021162.1	Ca_kabuli_chr03	14881069	GG	AA	1940162093
SNP_P1_38556_14881143	NC_021162.1	Ca_kabuli_chr03	14881143	GG	AA	1940162094
SNP_P1_38557_14881183	NC_021162.1	Ca_kabuli_chr03	14881183	AA	TT	1940162095
SNP_P1_38558_14881189	NC_021162.1	Ca_kabuli_chr03	14881189	TT	CC	1940162096

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38560_14881381	NC_021162.1	Ca_kabuli_chr03	14881381	GG	AA	1940162098
SNP_P1_38561_14881397	NC_021162.1	Ca_kabuli_chr03	14881397	TT	GG	1940162099
SNP_P1_38562_14881406	NC_021162.1	Ca_kabuli_chr03	14881406	TT	AA	1940162100
SNP_P1_38563_14881412	NC_021162.1	Ca_kabuli_chr03	14881412	AA	GG	1940162101
SNP_P1_38564_14881434	NC_021162.1	Ca_kabuli_chr03	14881434	CC	TT	1940162102
SNP_P1_38565_14881483	NC_021162.1	Ca_kabuli_chr03	14881483	GG	TT	1940162103
SNP_P1_38566_14889048	NC_021162.1	Ca_kabuli_chr03	14889048	AA	TT	1940162104
SNP_P1_38567_14889195	NC_021162.1	Ca_kabuli_chr03	14889195	GG	CC	1940162105
SNP_P1_38568_14889223	NC_021162.1	Ca_kabuli_chr03	14889223	AA	CC	1940162106
SNP_P1_38569_14889240	NC_021162.1	Ca_kabuli_chr03	14889240	AA	GG	1940162107
SNP_P1_38570_14889334	NC_021162.1	Ca_kabuli_chr03	14889334	TT	CC	1940162108
SNP_P1_38571_14889380	NC_021162.1	Ca_kabuli_chr03	14889380	TT	GG	1940162110
SNP_P1_38572_14889463	NC_021162.1	Ca_kabuli_chr03	14889463	TT	AA	1940162111
SNP_P1_38573_14889568	NC_021162.1	Ca_kabuli_chr03	14889568	AA	TT	1940162112
SNP_P1_38574_14889664	NC_021162.1	Ca_kabuli_chr03	14889664	CC	TT	1940162113
SNP_P1_38575_14889744	NC_021162.1	Ca_kabuli_chr03	14889744	AA	CC	1940162114
SNP_P1_38576_14889745	NC_021162.1	Ca_kabuli_chr03	14889745	CC	TT	1940162115
SNP_P1_38577_14889805	NC_021162.1	Ca_kabuli_chr03	14889805	TT	CC	1940162116
SNP_P1_38578_14890062	NC_021162.1	Ca_kabuli_chr03	14890062	AA	TT	1940162117
SNP_P1_38579_14890176	NC_021162.1	Ca_kabuli_chr03	14890176	TT	CC	1940162118
SNP_P1_38580_14890743	NC_021162.1	Ca_kabuli_chr03	14890743	TT	AA	1940162119
SNP_P1_38581_14890809	NC_021162.1	Ca_kabuli_chr03	14890809	AA	GG	1940162120
SNP_P1_38582_14890847	NC_021162.1	Ca_kabuli_chr03	14890847	GG	AA	1940162121
SNP_P1_38583_14890932	NC_021162.1	Ca_kabuli_chr03	14890932	AA	GG	1940162122
SNP_P1_38584_14890933	NC_021162.1	Ca_kabuli_chr03	14890933	TT	CC	1940162123
SNP_P1_38585_14891038	NC_021162.1	Ca_kabuli_chr03	14891038	AA	GG	1940162124
SNP_P1_38586_14891058	NC_021162.1	Ca_kabuli_chr03	14891058	AA	CC	1940162125
SNP_P1_38587_14891109	NC_021162.1	Ca_kabuli_chr03	14891109	CC	TT	1940162126
SNP_P1_38588_14891123	NC_021162.1	Ca_kabuli_chr03	14891123	CC	GG	1940162127
SNP_P1_38589_14891152	NC_021162.1	Ca_kabuli_chr03	14891152	AA	GG	1940162128
SNP_P1_38590_14891174	NC_021162.1	Ca_kabuli_chr03	14891174	GG	CC	1940162129
SNP_P1_38591_14891213	NC_021162.1	Ca_kabuli_chr03	14891213	CC	AA	1940162130
SNP_P1_38592_14891306	NC_021162.1	Ca_kabuli_chr03	14891306	CC	GG	1940162131
SNP_P1_38593_14891307	NC_021162.1	Ca_kabuli_chr03	14891307	CC	TT	1940162132
SNP_P1_38594_14892758	NC_021162.1	Ca_kabuli_chr03	14892758	TT	CC	1940162133
SNP_P1_38595_14892951	NC_021162.1	Ca_kabuli_chr03	14892951	CC	TT	1940162134
SNP_P1_38596_14893246	NC_021162.1	Ca_kabuli_chr03	14893246	CC	TT	1940162135
SNP_P1_38597_14893290	NC_021162.1	Ca_kabuli_chr03	14893290	GG	CC	1940162136
SNP_P1_38598_14893385	NC_021162.1	Ca_kabuli_chr03	14893385	CC	AA	1940162137
SNP_P1_38599_14893438	NC_021162.1	Ca_kabuli_chr03	14893438	TT	CC	1940162138
SNP_P1_38600_14893486	NC_021162.1	Ca_kabuli_chr03	14893486	CC	GG	1940162140

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38602_14893537	NC_021162.1	Ca_kabuli_chr03	14893537	AA	CC	1940162142
SNP_P1_38603_14893603	NC_021162.1	Ca_kabuli_chr03	14893603	GG	TT	1940162143
SNP_P1_38604_14893646	NC_021162.1	Ca_kabuli_chr03	14893646	TT	CC	1940162144
SNP_P1_38605_14893667	NC_021162.1	Ca_kabuli_chr03	14893667	AA	TT	1940162145
SNP_P1_38606_14893682	NC_021162.1	Ca_kabuli_chr03	14893682	GG	AA	1940162146
SNP_P1_38607_14893720	NC_021162.1	Ca_kabuli_chr03	14893720	CC	TT	1940162147
SNP_P1_38608_14894352	NC_021162.1	Ca_kabuli_chr03	14894352	AA	GG	1940162148
SNP_P1_38609_14897180	NC_021162.1	Ca_kabuli_chr03	14897180	CC	AA	1940162149
SNP_P1_38610_14900885	NC_021162.1	Ca_kabuli_chr03	14900885	AA	TT	1940162150
SNP_P1_38611_14900899	NC_021162.1	Ca_kabuli_chr03	14900899	CC	TT	1940162151
SNP_P1_38612_14900904	NC_021162.1	Ca_kabuli_chr03	14900904	AA	TT	1940162152
SNP_P1_38613_14901048	NC_021162.1	Ca_kabuli_chr03	14901048	CC	TT	1940162153
SNP_P1_38614_14901056	NC_021162.1	Ca_kabuli_chr03	14901056	TT	GG	1940162154
SNP_P1_38615_14901057	NC_021162.1	Ca_kabuli_chr03	14901057	CC	AA	1940162155
SNP_P1_38617_14904456	NC_021162.1	Ca_kabuli_chr03	14904456	TT	CC	1940162156
SNP_P1_38618_14904709	NC_021162.1	Ca_kabuli_chr03	14904709	GG	AA	1940162157
SNP_P1_38619_14904734	NC_021162.1	Ca_kabuli_chr03	14904734	TT	CC	1940162158
SNP_P1_38620_14905044	NC_021162.1	Ca_kabuli_chr03	14905044	AA	GG	1940162159
SNP_P1_38621_14905191	NC_021162.1	Ca_kabuli_chr03	14905191	TT	GG	1940162160
SNP_P1_38622_14905954	NC_021162.1	Ca_kabuli_chr03	14905954	AA	TT	1940162161
SNP_P1_38623_14905963	NC_021162.1	Ca_kabuli_chr03	14905963	TT	GG	1940162162
SNP_P1_38625_14908015	NC_021162.1	Ca_kabuli_chr03	14908015	AA	TT	1940162163
SNP_P1_38626_14909133	NC_021162.1	Ca_kabuli_chr03	14909133	AA	GG	1940162164
SNP_P1_38627_14919159	NC_021162.1	Ca_kabuli_chr03	14919159	GG	TT	1940162165
SNP_P1_38629_14919709	NC_021162.1	Ca_kabuli_chr03	14919709	GG	AA	1940162166
SNP_P1_38630_14919718	NC_021162.1	Ca_kabuli_chr03	14919718	GG	AA	1940162167
SNP_P1_38631_14920199	NC_021162.1	Ca_kabuli_chr03	14920199	AA	TT	1940162168
SNP_P1_38632_14920200	NC_021162.1	Ca_kabuli_chr03	14920200	CC	AA	1940162169
SNP_P1_38633_14935253	NC_021162.1	Ca_kabuli_chr03	14935253	GG	TT	1940162170
SNP_P1_38634_14935255	NC_021162.1	Ca_kabuli_chr03	14935255	AA	GG	1940162171
SNP_P1_38635_14945054	NC_021162.1	Ca_kabuli_chr03	14945054	AA	TT	1940162172
SNP_P1_38636_14948841	NC_021162.1	Ca_kabuli_chr03	14948841	TT	AA	1940162173
SNP_P1_38637_14951985	NC_021162.1	Ca_kabuli_chr03	14951985	CC	GG	1940162174
SNP_P1_38638_14952152	NC_021162.1	Ca_kabuli_chr03	14952152	AA	GG	1940162175
SNP_P1_38639_14952189	NC_021162.1	Ca_kabuli_chr03	14952189	TT	GG	1940162176
SNP_P1_38640_14952213	NC_021162.1	Ca_kabuli_chr03	14952213	CC	GG	1940162177
SNP_P1_38641_14952277	NC_021162.1	Ca_kabuli_chr03	14952277	TT	CC	1940162179
SNP_P1_38642_14952285	NC_021162.1	Ca_kabuli_chr03	14952285	TT	GG	1940162180
SNP_P1_38643_14952313	NC_021162.1	Ca_kabuli_chr03	14952313	TT	GG	1940162181
SNP_P1_38644_14952332	NC_021162.1	Ca_kabuli_chr03	14952332	AA	GG	1940162182
SNP_P1_38645_14954384	NC_021162.1	Ca_kabuli_chr03	14954384	AA	TT	1940162183

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38647_14963616	NC_021162.1	Ca_kabuli_chr03	14963616	GG	AA	1940162185
SNP_P1_38648_14963622	NC_021162.1	Ca_kabuli_chr03	14963622	TT	AA	1940162186
SNP_P1_38649_14963659	NC_021162.1	Ca_kabuli_chr03	14963659	CC	TT	1940162187
SNP_P1_38650_14963933	NC_021162.1	Ca_kabuli_chr03	14963933	AA	GG	1940162188
SNP_P1_38651_14964026	NC_021162.1	Ca_kabuli_chr03	14964026	GG	AA	1940162189
SNP_P1_38652_14976199	NC_021162.1	Ca_kabuli_chr03	14976199	TT	GG	1940162190
SNP_P1_38653_14976202	NC_021162.1	Ca_kabuli_chr03	14976202	GG	TT	1940162191
SNP_P1_38654_14987145	NC_021162.1	Ca_kabuli_chr03	14987145	GG	AA	1940162192
SNP_P1_38655_15008021	NC_021162.1	Ca_kabuli_chr03	15008021	AA	GG	1940162193
SNP_P1_38656_15010563	NC_021162.1	Ca_kabuli_chr03	15010563	TT	AA	1940162194
SNP_P1_38657_15013555	NC_021162.1	Ca_kabuli_chr03	15013555	AA	GG	1940162195
SNP_P1_38658_15013557	NC_021162.1	Ca_kabuli_chr03	15013557	TT	CC	1940162196
SNP_P1_38659_15018947	NC_021162.1	Ca_kabuli_chr03	15018947	GG	AA	1940162197
SNP_P1_38660_15033345	NC_021162.1	Ca_kabuli_chr03	15033345	CC	TT	1940162198
SNP_P1_38661_15034379	NC_021162.1	Ca_kabuli_chr03	15034379	CC	TT	1940162199
SNP_P1_38662_15034382	NC_021162.1	Ca_kabuli_chr03	15034382	TT	CC	1940162200
SNP_P1_38663_15034415	NC_021162.1	Ca_kabuli_chr03	15034415	GG	TT	1940162201
SNP_P1_38664_15037862	NC_021162.1	Ca_kabuli_chr03	15037862	CC	TT	1940162202
SNP_P1_38665_15038199	NC_021162.1	Ca_kabuli_chr03	15038199	GG	CC	1940162203
SNP_P1_38666_15038336	NC_021162.1	Ca_kabuli_chr03	15038336	TT	CC	1940162204
SNP_P1_38667_15038511	NC_021162.1	Ca_kabuli_chr03	15038511	AA	CC	1940162205
SNP_P1_38668_15038518	NC_021162.1	Ca_kabuli_chr03	15038518	CC	TT	1940162206
SNP_P1_38669_15038531	NC_021162.1	Ca_kabuli_chr03	15038531	TT	CC	1940162207
SNP_P1_38670_15038792	NC_021162.1	Ca_kabuli_chr03	15038792	AA	CC	1940162208
SNP_P1_38671_15038981	NC_021162.1	Ca_kabuli_chr03	15038981	GG	AA	1940162209
SNP_P1_38672_15038989	NC_021162.1	Ca_kabuli_chr03	15038989	TT	CC	1940162210
SNP_P1_38673_15039032	NC_021162.1	Ca_kabuli_chr03	15039032	TT	AA	1940162211
SNP_P1_38676_15039766	NC_021162.1	Ca_kabuli_chr03	15039766	AA	CC	1940162213
SNP_P1_38677_15039772	NC_021162.1	Ca_kabuli_chr03	15039772	TT	AA	1940162214
SNP_P1_38678_15042477	NC_021162.1	Ca_kabuli_chr03	15042477	CC	TT	1940162215
SNP_P1_38679_15042509	NC_021162.1	Ca_kabuli_chr03	15042509	TT	CC	1940162216
SNP_P1_38681_15047360	NC_021162.1	Ca_kabuli_chr03	15047360	TT	CC	1940162217
SNP_P1_38682_15047555	NC_021162.1	Ca_kabuli_chr03	15047555	AA	TT	1940162218
SNP_P1_38683_15047616	NC_021162.1	Ca_kabuli_chr03	15047616	CC	TT	1940162219
SNP_P1_38684_15047652	NC_021162.1	Ca_kabuli_chr03	15047652	TT	CC	1940162220
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SNP_P1_38686_15051679	NC_021162.1	Ca_kabuli_chr03	15051679	AA	GG	1940162222
SNP_P1_38687_15052207	NC_021162.1	Ca_kabuli_chr03	15052207	AA	CC	1940162223
SNP_P1_38688_15052254	NC_021162.1	Ca_kabuli_chr03	15052254	GG	TT	1940162224
SNP_P1_38689_15052898	NC_021162.1	Ca_kabuli_chr03	15052898	CC	GG	1940162225
SNP_P1_38690_15053080	NC_021162.1	Ca_kabuli_chr03	15053080	GG	AA	1940162226

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38693_15055137	NC_021162.1	Ca_kabuli_chr03	15055137	CC	AA	1940162229
SNP_P1_38695_15072295	NC_021162.1	Ca_kabuli_chr03	15072295	GG	AA	1940162230
SNP_P1_38696_15072553	NC_021162.1	Ca_kabuli_chr03	15072553	AA	CC	1940162231
SNP_P1_38697_15072554	NC_021162.1	Ca_kabuli_chr03	15072554	AA	GG	1940162232
SNP_P1_38698_15078219	NC_021162.1	Ca_kabuli_chr03	15078219	TT	AA	1940162233
SNP_P1_38699_15078573	NC_021162.1	Ca_kabuli_chr03	15078573	TT	CC	1940162234
SNP_P1_38700_15079997	NC_021162.1	Ca_kabuli_chr03	15079997	TT	AA	1940162235
SNP_P1_38701_15088793	NC_021162.1	Ca_kabuli_chr03	15088793	AA	GG	1940162236
SNP_P1_38702_15102810	NC_021162.1	Ca_kabuli_chr03	15102810	TT	CC	1940162237
SNP_P1_38703_15125287	NC_021162.1	Ca_kabuli_chr03	15125287	CC	AA	1940162238
SNP_P1_38704_15125598	NC_021162.1	Ca_kabuli_chr03	15125598	CC	TT	1940162239
SNP_P1_38705_15125612	NC_021162.1	Ca_kabuli_chr03	15125612	AA	CC	1940162240
SNP_P1_38706_15156778	NC_021162.1	Ca_kabuli_chr03	15156778	TT	AA	1940162241
SNP_P1_38707_15158798	NC_021162.1	Ca_kabuli_chr03	15158798	AA	CC	1940162242
SNP_P1_38708_15173136	NC_021162.1	Ca_kabuli_chr03	15173136	GG	CC	1940162243
SNP_P1_38710_15196240	NC_021162.1	Ca_kabuli_chr03	15196240	TT	CC	1940162244
SNP_P1_38711_15212417	NC_021162.1	Ca_kabuli_chr03	15212417	CC	AA	1940162245
SNP_P1_38712_15212423	NC_021162.1	Ca_kabuli_chr03	15212423	GG	AA	1940162246
SNP_P1_38713_15212540	NC_021162.1	Ca_kabuli_chr03	15212540	GG	AA	1940162247
SNP_P1_38714_15216080	NC_021162.1	Ca_kabuli_chr03	15216080	TT	CC	1940162248
SNP_P1_38715_15216309	NC_021162.1	Ca_kabuli_chr03	15216309	AA	GG	1940162249
SNP_P1_38716_15220210	NC_021162.1	Ca_kabuli_chr03	15220210	GG	TT	1940162250
SNP_P1_38717_15231692	NC_021162.1	Ca_kabuli_chr03	15231692	AA	GG	1940162251
SNP_P1_38718_15231840	NC_021162.1	Ca_kabuli_chr03	15231840	GG	AA	1940162252
SNP_P1_38719_15232252	NC_021162.1	Ca_kabuli_chr03	15232252	AA	GG	1940162253
SNP_P1_38721_15243450	NC_021162.1	Ca_kabuli_chr03	15243450	TT	CC	1940162254
SNP_P1_38722_15243455	NC_021162.1	Ca_kabuli_chr03	15243455	TT	GG	1940162255
SNP_P1_38723_15265887	NC_021162.1	Ca_kabuli_chr03	15265887	CC	GG	1940162256
SNP_P1_38724_15266412	NC_021162.1	Ca_kabuli_chr03	15266412	TT	AA	1940162257
SNP_P1_38725_15271826	NC_021162.1	Ca_kabuli_chr03	15271826	AA	GG	1940162258
SNP_P1_38726_15271833	NC_021162.1	Ca_kabuli_chr03	15271833	TT	CC	1940162259
SNP_P1_38727_15271861	NC_021162.1	Ca_kabuli_chr03	15271861	GG	AA	1940162260
SNP_P1_38728_15271867	NC_021162.1	Ca_kabuli_chr03	15271867	GG	AA	1940162262
SNP_P1_38729_15271914	NC_021162.1	Ca_kabuli_chr03	15271914	CC	AA	1940162263
SNP_P1_38730_15272204	NC_021162.1	Ca_kabuli_chr03	15272204	AA	GG	1940162264
SNP_P1_38731_15282156	NC_021162.1	Ca_kabuli_chr03	15282156	AA	GG	1940162265
SNP_P1_38732_15305821	NC_021162.1	Ca_kabuli_chr03	15305821	AA	GG	1940162266
SNP_P1_38733_15305822	NC_021162.1	Ca_kabuli_chr03	15305822	AA	GG	1940162267
SNP_P1_38734_15305823	NC_021162.1	Ca_kabuli_chr03	15305823	AA	GG	1940162268
SNP_P1_38735_15305824	NC_021162.1	Ca_kabuli_chr03	15305824	AA	GG	1940162269

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38738_15309631	NC_021162.1	Ca_kabuli_chr03	15309631	TT	CC	1940162272
SNP_P1_38739_15309941	NC_021162.1	Ca_kabuli_chr03	15309941	AA	GG	1940162273
SNP_P1_38740_15314199	NC_021162.1	Ca_kabuli_chr03	15314199	GG	AA	1940162274
SNP_P1_38741_15314229	NC_021162.1	Ca_kabuli_chr03	15314229	GG	AA	1940162275
SNP_P1_38742_15314258	NC_021162.1	Ca_kabuli_chr03	15314258	TT	CC	1940162276
SNP_P1_38743_15314488	NC_021162.1	Ca_kabuli_chr03	15314488	TT	CC	1940162277
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SNP_P1_38747_15338173	NC_021162.1	Ca_kabuli_chr03	15338173	CC	TT	1940162279
SNP_P1_38749_15342659	NC_021162.1	Ca_kabuli_chr03	15342659	GG	TT	1940162280
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SNP_P1_38753_15396920	NC_021162.1	Ca_kabuli_chr03	15396920	TT	CC	1940162282
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SNP_P1_38761_15582179	NC_021162.1	Ca_kabuli_chr03	15582179	AA	CC	1940162284
SNP_P1_38762_15582184	NC_021162.1	Ca_kabuli_chr03	15582184	CC	GG	1940162285
SNP_P1_38763_15583874	NC_021162.1	Ca_kabuli_chr03	15583874	TT	CC	1940162286
SNP_P1_38764_15583899	NC_021162.1	Ca_kabuli_chr03	15583899	AA	CC	1940162287
SNP_P1_38765_15584147	NC_021162.1	Ca_kabuli_chr03	15584147	TT	CC	1940162288
SNP_P1_38766_15584182	NC_021162.1	Ca_kabuli_chr03	15584182	CC	AA	1940162289
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SNP_P1_38768_15588669	NC_021162.1	Ca_kabuli_chr03	15588669	CC	TT	1940162291
SNP_P1_38769_15588672	NC_021162.1	Ca_kabuli_chr03	15588672	CC	TT	1940162292
SNP_P1_38770_15588682	NC_021162.1	Ca_kabuli_chr03	15588682	AA	GG	1940162293
SNP_P1_38771_15588738	NC_021162.1	Ca_kabuli_chr03	15588738	AA	CC	1940162294
SNP_P1_38772_15588788	NC_021162.1	Ca_kabuli_chr03	15588788	GG	TT	1940162296
SNP_P1_38773_15589008	NC_021162.1	Ca_kabuli_chr03	15589008	GG	TT	1940162297
SNP_P1_38774_15589054	NC_021162.1	Ca_kabuli_chr03	15589054	GG	TT	1940162298
SNP_P1_38775_15589397	NC_021162.1	Ca_kabuli_chr03	15589397	TT	CC	1940162299
SNP_P1_38776_15589407	NC_021162.1	Ca_kabuli_chr03	15589407	AA	GG	1940162300
SNP_P1_38777_15596676	NC_021162.1	Ca_kabuli_chr03	15596676	TT	CC	1940162301
SNP_P1_38778_15596706	NC_021162.1	Ca_kabuli_chr03	15596706	TT	CC	1940162302
SNP_P1_38779_15633868	NC_021162.1	Ca_kabuli_chr03	15633868	GG	AA	1940162303
SNP_P1_38780_15648376	NC_021162.1	Ca_kabuli_chr03	15648376	GG	AA	1940162304
SNP_P1_38781_15649640	NC_021162.1	Ca_kabuli_chr03	15649640	CC	TT	1940162305
SNP_P1_38783_15652871	NC_021162.1	Ca_kabuli_chr03	15652871	TT	CC	1940162306
SNP_P1_38784_15655191	NC_021162.1	Ca_kabuli_chr03	15655191	GG	AA	1940162307
SNP_P1_38785_15657522	NC_021162.1	Ca_kabuli_chr03	15657522	AA	GG	1940162308
SNP_P1_38786_15657677	NC_021162.1	Ca_kabuli_chr03	15657677	AA	GG	1940162309
SNP_P1_38787_15657720	NC_021162.1	Ca_kabuli_chr03	15657720	GG	AA	1940162310
SNP_P1_38788_15657745	NC_021162.1	Ca_kabuli_chr03	15657745	AA	GG	1940162311
SNP_P1_38789_15657755	NC_021162.1	Ca_kabuli_chr03	15657755	TT	CC	1940162312

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38792_15657886	NC_021162.1	Ca_kabuli_chr03	15657886	GG	AA	1940162315
SNP_P1_38793_15657907	NC_021162.1	Ca_kabuli_chr03	15657907	CC	GG	1940162316
SNP_P1_38794_15657913	NC_021162.1	Ca_kabuli_chr03	15657913	TT	CC	1940162317
SNP_P1_38795_15657931	NC_021162.1	Ca_kabuli_chr03	15657931	AA	GG	1940162318
SNP_P1_38796_15657942	NC_021162.1	Ca_kabuli_chr03	15657942	CC	TT	1940162319
SNP_P1_38797_15657944	NC_021162.1	Ca_kabuli_chr03	15657944	AA	CC	1940162320
SNP_P1_38798_15657955	NC_021162.1	Ca_kabuli_chr03	15657955	TT	CC	1940162321
SNP_P1_38799_15657968	NC_021162.1	Ca_kabuli_chr03	15657968	CC	AA	1940162322
SNP_P1_38800_15657972	NC_021162.1	Ca_kabuli_chr03	15657972	AA	CC	1940162323
SNP_P1_38801_15657977	NC_021162.1	Ca_kabuli_chr03	15657977	TT	CC	1940162324
SNP_P1_38802_15658021	NC_021162.1	Ca_kabuli_chr03	15658021	TT	CC	1940162325
SNP_P1_38803_15658361	NC_021162.1	Ca_kabuli_chr03	15658361	AA	TT	1940162327
SNP_P1_38805_15658537	NC_021162.1	Ca_kabuli_chr03	15658537	TT	CC	1940162328
SNP_P1_38806_15658598	NC_021162.1	Ca_kabuli_chr03	15658598	GG	TT	1940162329
SNP_P1_38807_15658686	NC_021162.1	Ca_kabuli_chr03	15658686	TT	GG	1940162330
SNP_P1_38808_15658714	NC_021162.1	Ca_kabuli_chr03	15658714	TT	GG	1940162331
SNP_P1_38809_15658736	NC_021162.1	Ca_kabuli_chr03	15658736	TT	CC	1940162332
SNP_P1_38810_15658803	NC_021162.1	Ca_kabuli_chr03	15658803	AA	CC	1940162333
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SNP_P1_38812_15658815	NC_021162.1	Ca_kabuli_chr03	15658815	TT	CC	1940162335
SNP_P1_38813_15658819	NC_021162.1	Ca_kabuli_chr03	15658819	GG	AA	1940162336
SNP_P1_38814_15658867	NC_021162.1	Ca_kabuli_chr03	15658867	TT	CC	1940162337
SNP_P1_38815_15658923	NC_021162.1	Ca_kabuli_chr03	15658923	AA	GG	1940162338
SNP_P1_38816_15658928	NC_021162.1	Ca_kabuli_chr03	15658928	TT	CC	1940162339
SNP_P1_38817_15658971	NC_021162.1	Ca_kabuli_chr03	15658971	TT	CC	1940162340
SNP_P1_38818_15658984	NC_021162.1	Ca_kabuli_chr03	15658984	TT	CC	1940162341
SNP_P1_38819_15659061	NC_021162.1	Ca_kabuli_chr03	15659061	AA	CC	1940162342
SNP_P1_38820_15659075	NC_021162.1	Ca_kabuli_chr03	15659075	AA	CC	1940162343
SNP_P1_38821_15659081	NC_021162.1	Ca_kabuli_chr03	15659081	CC	TT	1940162344
SNP_P1_38822_15659125	NC_021162.1	Ca_kabuli_chr03	15659125	TT	CC	1940162345
SNP_P1_38823_15659138	NC_021162.1	Ca_kabuli_chr03	15659138	GG	TT	1940162346
SNP_P1_38824_15659140	NC_021162.1	Ca_kabuli_chr03	15659140	AA	GG	1940162347
SNP_P1_38825_15659151	NC_021162.1	Ca_kabuli_chr03	15659151	CC	AA	1940162348
SNP_P1_38826_15659162	NC_021162.1	Ca_kabuli_chr03	15659162	TT	CC	1940162349
SNP_P1_38827_15659213	NC_021162.1	Ca_kabuli_chr03	15659213	AA	CC	1940162350
SNP_P1_38828_15659257	NC_021162.1	Ca_kabuli_chr03	15659257	CC	TT	1940162351
SNP_P1_38829_15659263	NC_021162.1	Ca_kabuli_chr03	15659263	TT	CC	1940162352
SNP_P1_38830_15659306	NC_021162.1	Ca_kabuli_chr03	15659306	TT	GG	1940162353
SNP_P1_38831_15659311	NC_021162.1	Ca_kabuli_chr03	15659311	TT	CC	1940162354
SNP_P1_38832_15659319	NC_021162.1	Ca_kabuli_chr03	15659319	GG	TT	1940162355

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38835_15659363	NC_021162.1	Ca_kabuli_chr03	15659363	AA	CC	1940162358
SNP_P1_38836_15659387	NC_021162.1	Ca_kabuli_chr03	15659387	GG	AA	1940162359
SNP_P1_38837_15659400	NC_021162.1	Ca_kabuli_chr03	15659400	TT	CC	1940162360
SNP_P1_38838_15659420	NC_021162.1	Ca_kabuli_chr03	15659420	TT	CC	1940162361
SNP_P1_38839_15659459	NC_021162.1	Ca_kabuli_chr03	15659459	AA	TT	1940162362
SNP_P1_38840_15659474	NC_021162.1	Ca_kabuli_chr03	15659474	AA	GG	1940162363
SNP_P1_38841_15659508	NC_021162.1	Ca_kabuli_chr03	15659508	TT	AA	1940162364
SNP_P1_38842_15659513	NC_021162.1	Ca_kabuli_chr03	15659513	AA	GG	1940162366
SNP_P1_38843_15659556	NC_021162.1	Ca_kabuli_chr03	15659556	AA	CC	1940162367
SNP_P1_38844_15659582	NC_021162.1	Ca_kabuli_chr03	15659582	GG	TT	1940162368
SNP_P1_38845_15659590	NC_021162.1	Ca_kabuli_chr03	15659590	TT	AA	1940162369
SNP_P1_38846_15659597	NC_021162.1	Ca_kabuli_chr03	15659597	AA	TT	1940162370
SNP_P1_38847_15659616	NC_021162.1	Ca_kabuli_chr03	15659616	AA	CC	1940162371
SNP_P1_38848_15659651	NC_021162.1	Ca_kabuli_chr03	15659651	AA	GG	1940162372
SNP_P1_38849_15659653	NC_021162.1	Ca_kabuli_chr03	15659653	AA	GG	1940162373
SNP_P1_38850_15659667	NC_021162.1	Ca_kabuli_chr03	15659667	TT	CC	1940162374
SNP_P1_38851_15659694	NC_021162.1	Ca_kabuli_chr03	15659694	TT	CC	1940162375
SNP_P1_38852_15659712	NC_021162.1	Ca_kabuli_chr03	15659712	TT	CC	1940162376
SNP_P1_38854_15659749	NC_021162.1	Ca_kabuli_chr03	15659749	GG	CC	1940162377
SNP_P1_38855_15659774	NC_021162.1	Ca_kabuli_chr03	15659774	AA	CC	1940162378
SNP_P1_38856_15659806	NC_021162.1	Ca_kabuli_chr03	15659806	AA	GG	1940162379
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SNP_P1_38860_15659997	NC_021162.1	Ca_kabuli_chr03	15659997	AA	GG	1940162383
SNP_P1_38861_15660047	NC_021162.1	Ca_kabuli_chr03	15660047	TT	CC	1940162384
SNP_P1_38862_15660063	NC_021162.1	Ca_kabuli_chr03	15660063	TT	CC	1940162385
SNP_P1_38863_15660076	NC_021162.1	Ca_kabuli_chr03	15660076	AA	GG	1940162386
SNP_P1_38864_15660096	NC_021162.1	Ca_kabuli_chr03	15660096	AA	GG	1940162387
SNP_P1_38865_15660116	NC_021162.1	Ca_kabuli_chr03	15660116	TT	CC	1940162388
SNP_P1_38866_15660128	NC_021162.1	Ca_kabuli_chr03	15660128	AA	GG	1940162389
SNP_P1_38867_15660163	NC_021162.1	Ca_kabuli_chr03	15660163	GG	AA	1940162390
SNP_P1_38868_15660341	NC_021162.1	Ca_kabuli_chr03	15660341	TT	CC	1940162391
SNP_P1_38869_15660348	NC_021162.1	Ca_kabuli_chr03	15660348	AA	GG	1940162392
SNP_P1_38870_15660352	NC_021162.1	Ca_kabuli_chr03	15660352	AA	GG	1940162393
SNP_P1_38871_15660358	NC_021162.1	Ca_kabuli_chr03	15660358	AA	GG	1940162394
SNP_P1_38872_15660389	NC_021162.1	Ca_kabuli_chr03	15660389	AA	CC	1940162395
SNP_P1_38873_15660414	NC_021162.1	Ca_kabuli_chr03	15660414	TT	CC	1940162396
SNP_P1_38874_15660438	NC_021162.1	Ca_kabuli_chr03	15660438	CC	GG	1940162397
SNP_P1_38876_15660636	NC_021162.1	Ca_kabuli_chr03	15660636	AA	GG	1940162398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38878_15689297	NC_021162.1	Ca_kabuli_chr03	15689297	GG	AA	1940162400
SNP_P1_38880_15721232	NC_021162.1	Ca_kabuli_chr03	15721232	AA	GG	1940162401
SNP_P1_38881_15732582	NC_021162.1	Ca_kabuli_chr03	15732582	AA	GG	1940162402
SNP_P1_38882_15752535	NC_021162.1	Ca_kabuli_chr03	15752535	TT	CC	1940162403
SNP_P1_38883_15760821	NC_021162.1	Ca_kabuli_chr03	15760821	AA	TT	1940162404
SNP_P1_38884_15772600	NC_021162.1	Ca_kabuli_chr03	15772600	CC	TT	1940162405
SNP_P1_38885_15774301	NC_021162.1	Ca_kabuli_chr03	15774301	GG	AA	1940162406
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SNP_P1_38888_15806617	NC_021162.1	Ca_kabuli_chr03	15806617	CC	GG	1940162410
SNP_P1_38889_15809826	NC_021162.1	Ca_kabuli_chr03	15809826	AA	TT	1940162411
SNP_P1_38890_15810106	NC_021162.1	Ca_kabuli_chr03	15810106	AA	GG	1940162412
SNP_P1_38891_15810326	NC_021162.1	Ca_kabuli_chr03	15810326	GG	AA	1940162413
SNP_P1_38892_15810339	NC_021162.1	Ca_kabuli_chr03	15810339	TT	AA	1940162414
SNP_P1_38893_15814053	NC_021162.1	Ca_kabuli_chr03	15814053	CC	TT	1940162415
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SNP_P1_38899_15844589	NC_021162.1	Ca_kabuli_chr03	15844589	GG	TT	1940162421
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SNP_P1_38910_15884782	NC_021162.1	Ca_kabuli_chr03	15884782	TT	CC	1940162429
SNP_P1_38911_15884904	NC_021162.1	Ca_kabuli_chr03	15884904	AA	GG	1940162430
SNP_P1_38912_15892036	NC_021162.1	Ca_kabuli_chr03	15892036	CC	TT	1940162431
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SNP_P1_38919_16027556	NC_021162.1	Ca_kabuli_chr03	16027556	CC	TT	1940162439
SNP_P1_38920_16046766	NC_021162.1	Ca_kabuli_chr03	16046766	CC	TT	1940162440
SNP_P1_38921_16056695	NC_021162.1	Ca_kabuli_chr03	16056695	AA	CC	1940162441
SNP_P1_38922_16087675	NC_021162.1	Ca_kabuli_chr03	16087675	TT	AA	1940162442

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_38925_16088210	NC_021162.1	Ca_kabuli_chr03	16088210	TT	CC	1940162445
SNP_P1_38926_16088268	NC_021162.1	Ca_kabuli_chr03	16088268	CC	TT	1940162446
SNP_P1_38927_16088717	NC_021162.1	Ca_kabuli_chr03	16088717	CC	TT	1940162447
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SNP_P1_38929_16094341	NC_021162.1	Ca_kabuli_chr03	16094341	GG	AA	1940162449
SNP_P1_38931_16106719	NC_021162.1	Ca_kabuli_chr03	16106719	TT	CC	1940162450
SNP_P1_38932_16106734	NC_021162.1	Ca_kabuli_chr03	16106734	TT	AA	1940162451
SNP_P1_38933_16106945	NC_021162.1	Ca_kabuli_chr03	16106945	AA	GG	1940162452
SNP_P1_38934_16106983	NC_021162.1	Ca_kabuli_chr03	16106983	TT	CC	1940162453
SNP_P1_38936_16107228	NC_021162.1	Ca_kabuli_chr03	16107228	AA	GG	1940162454
SNP_P1_38937_16107263	NC_021162.1	Ca_kabuli_chr03	16107263	AA	GG	1940162455
SNP_P1_38938_16107292	NC_021162.1	Ca_kabuli_chr03	16107292	AA	GG	1940162456
SNP_P1_38939_16107345	NC_021162.1	Ca_kabuli_chr03	16107345	CC	TT	1940162458
SNP_P1_38940_16115088	NC_021162.1	Ca_kabuli_chr03	16115088	AA	GG	1940162459
SNP_P1_38941_16115201	NC_021162.1	Ca_kabuli_chr03	16115201	GG	AA	1940162460
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SNP_P1_38946_16117260	NC_021162.1	Ca_kabuli_chr03	16117260	AA	GG	1940162465
SNP_P1_38947_16117458	NC_021162.1	Ca_kabuli_chr03	16117458	CC	TT	1940162466
SNP_P1_38948_16117549	NC_021162.1	Ca_kabuli_chr03	16117549	GG	AA	1940162467
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SNP_P1_38951_16125786	NC_021162.1	Ca_kabuli_chr03	16125786	TT	AA	1940162470
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SNP_P1_38958_16133508	NC_021162.1	Ca_kabuli_chr03	16133508	TT	AA	1940162474
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SNP_P1_38965_16155154	NC_021162.1	Ca_kabuli_chr03	16155154	GG	AA	1940162477
SNP_P1_38966_16160472	NC_021162.1	Ca_kabuli_chr03	16160472	TT	CC	1940162478
SNP_P1_38967_16160682	NC_021162.1	Ca_kabuli_chr03	16160682	GG	AA	1940162479
SNP_P1_38968_16160714	NC_021162.1	Ca_kabuli_chr03	16160714	TT	CC	1940162480
SNP_P1_38969_16160921	NC_021162.1	Ca_kabuli_chr03	16160921	AA	GG	1940162481
SNP_P1_38970_16160922	NC_021162.1	Ca_kabuli_chr03	16160922	TT	CC	1940162482
SNP_P1_38971_16160936	NC_021162.1	Ca_kabuli_chr03	16160936	TT	AA	1940162483
SNP_P1_38972_16160958	NC_021162.1	Ca_kabuli_chr03	16160958	TT	GG	1940162484
SNP_P1_38974_16160989	NC_021162.1	Ca_kabuli_chr03	16160989	AA	GG	1940162485

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_38975_16161146	NC_021162.1	Ca_kabuli_chr03	16161146	AA	GG	1940162486
SNP_P1_38976_16164160	NC_021162.1	Ca_kabuli_chr03	16164160	GG	AA	1940162487
SNP_P1_38977_16164177	NC_021162.1	Ca_kabuli_chr03	16164177	CC	TT	1940162488
SNP_P1_38978_16164198	NC_021162.1	Ca_kabuli_chr03	16164198	AA	GG	1940162489
SNP_P1_38979_16164524	NC_021162.1	Ca_kabuli_chr03	16164524	CC	GG	1940162490
SNP_P1_38980_16166613	NC_021162.1	Ca_kabuli_chr03	16166613	AA	GG	1940162491
SNP_P1_38981_16166640	NC_021162.1	Ca_kabuli_chr03	16166640	TT	CC	1940162492
SNP_P1_38983_16166862	NC_021162.1	Ca_kabuli_chr03	16166862	AA	TT	1940162493
SNP_P1_38984_16166938	NC_021162.1	Ca_kabuli_chr03	16166938	GG	AA	1940162494
SNP_P1_38985_16166948	NC_021162.1	Ca_kabuli_chr03	16166948	GG	AA	1940162495
SNP_P1_38986_16167055	NC_021162.1	Ca_kabuli_chr03	16167055	TT	CC	1940162496
SNP_P1_38987_16167092	NC_021162.1	Ca_kabuli_chr03	16167092	AA	GG	1940162498
SNP_P1_38988_16167100	NC_021162.1	Ca_kabuli_chr03	16167100	GG	TT	1940162499
SNP_P1_38989_16167116	NC_021162.1	Ca_kabuli_chr03	16167116	CC	TT	1940162500
SNP_P1_38990_16167247	NC_021162.1	Ca_kabuli_chr03	16167247	AA	GG	1940162501
SNP_P1_38991_16167294	NC_021162.1	Ca_kabuli_chr03	16167294	AA	CC	1940162502
SNP_P1_38993_16168848	NC_021162.1	Ca_kabuli_chr03	16168848	TT	CC	1940162503
SNP_P1_38994_16168967	NC_021162.1	Ca_kabuli_chr03	16168967	CC	TT	1940162504
SNP_P1_38995_16168969	NC_021162.1	Ca_kabuli_chr03	16168969	GG	AA	1940162505
SNP_P1_38996_16168982	NC_021162.1	Ca_kabuli_chr03	16168982	CC	TT	1940162506
SNP_P1_38997_16169009	NC_021162.1	Ca_kabuli_chr03	16169009	CC	TT	1940162507
SNP_P1_38998_16169143	NC_021162.1	Ca_kabuli_chr03	16169143	AA	GG	1940162508
SNP_P1_38999_16169169	NC_021162.1	Ca_kabuli_chr03	16169169	AA	GG	1940162509
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SNP_P1_39001_16169245	NC_021162.1	Ca_kabuli_chr03	16169245	GG	AA	1940162511
SNP_P1_39002_16170975	NC_021162.1	Ca_kabuli_chr03	16170975	CC	TT	1940162512
SNP_P1_39003_16170997	NC_021162.1	Ca_kabuli_chr03	16170997	TT	CC	1940162513
SNP_P1_39004_16170998	NC_021162.1	Ca_kabuli_chr03	16170998	CC	AA	1940162514
SNP_P1_39005_16171007	NC_021162.1	Ca_kabuli_chr03	16171007	GG	AA	1940162515
SNP_P1_39006_16171028	NC_021162.1	Ca_kabuli_chr03	16171028	CC	TT	1940162516
SNP_P1_39007_16171051	NC_021162.1	Ca_kabuli_chr03	16171051	TT	CC	1940162517
SNP_P1_39009_16171366	NC_021162.1	Ca_kabuli_chr03	16171366	CC	TT	1940162518
SNP_P1_39010_16171409	NC_021162.1	Ca_kabuli_chr03	16171409	TT	GG	1940162519
SNP_P1_39011_16171625	NC_021162.1	Ca_kabuli_chr03	16171625	AA	TT	1940162520
SNP_P1_39012_16171811	NC_021162.1	Ca_kabuli_chr03	16171811	TT	CC	1940162521
SNP_P1_39013_16181478	NC_021162.1	Ca_kabuli_chr03	16181478	AA	TT	1940162522
SNP_P1_39014_16181553	NC_021162.1	Ca_kabuli_chr03	16181553	GG	TT	1940162523
SNP_P1_39015_16181559	NC_021162.1	Ca_kabuli_chr03	16181559	GG	TT	1940162524
SNP_P1_39016_16181971	NC_021162.1	Ca_kabuli_chr03	16181971	CC	TT	1940162525
SNP_P1_39017_16182007	NC_021162.1	Ca_kabuli_chr03	16182007	CC	TT	1940162526
SNP_P1_39018_16182402	NC_021162.1	Ca_kabuli_chr03	16182402	AA	CC	1940162527
SNP_P1_39019_16182646	NC_021162.1	Ca_kabuli_chr03	16182646	TT	CC	1940162528

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39023_16182938	NC_021162.1	Ca_kabuli_chr03	16182938	GG	AA	1940162531
SNP_P1_39024_16183118	NC_021162.1	Ca_kabuli_chr03	16183118	CC	TT	1940162532
SNP_P1_39025_16183187	NC_021162.1	Ca_kabuli_chr03	16183187	CC	TT	1940162533
SNP_P1_39026_16183207	NC_021162.1	Ca_kabuli_chr03	16183207	GG	AA	1940162534
SNP_P1_39027_16183241	NC_021162.1	Ca_kabuli_chr03	16183241	CC	GG	1940162535
SNP_P1_39028_16183257	NC_021162.1	Ca_kabuli_chr03	16183257	TT	CC	1940162536
SNP_P1_39029_16183452	NC_021162.1	Ca_kabuli_chr03	16183452	TT	AA	1940162537
SNP_P1_39030_16183516	NC_021162.1	Ca_kabuli_chr03	16183516	CC	TT	1940162538
SNP_P1_39031_16190276	NC_021162.1	Ca_kabuli_chr03	16190276	GG	TT	1940162539
SNP_P1_39032_16190500	NC_021162.1	Ca_kabuli_chr03	16190500	TT	CC	1940162540
SNP_P1_39033_16190693	NC_021162.1	Ca_kabuli_chr03	16190693	AA	GG	1940162541
SNP_P1_39034_16190727	NC_021162.1	Ca_kabuli_chr03	16190727	CC	TT	1940162542
SNP_P1_39035_16190766	NC_021162.1	Ca_kabuli_chr03	16190766	TT	AA	1940162543
SNP_P1_39037_16190976	NC_021162.1	Ca_kabuli_chr03	16190976	AA	GG	1940162544
SNP_P1_39038_16192394	NC_021162.1	Ca_kabuli_chr03	16192394	GG	AA	1940162545
SNP_P1_39039_16192396	NC_021162.1	Ca_kabuli_chr03	16192396	AA	TT	1940162546
SNP_P1_39040_16195021	NC_021162.1	Ca_kabuli_chr03	16195021	CC	TT	1940162547
SNP_P1_39041_16195099	NC_021162.1	Ca_kabuli_chr03	16195099	GG	AA	1940162548
SNP_P1_39043_16195223	NC_021162.1	Ca_kabuli_chr03	16195223	AA	GG	1940162549
SNP_P1_39045_16195418	NC_021162.1	Ca_kabuli_chr03	16195418	TT	CC	1940162550
SNP_P1_39047_16195752	NC_021162.1	Ca_kabuli_chr03	16195752	AA	TT	1940162551
SNP_P1_39048_16195770	NC_021162.1	Ca_kabuli_chr03	16195770	CC	TT	1940162552
SNP_P1_39049_16195781	NC_021162.1	Ca_kabuli_chr03	16195781	GG	CC	1940162553
SNP_P1_39050_16195806	NC_021162.1	Ca_kabuli_chr03	16195806	AA	TT	1940162554
SNP_P1_39051_16195811	NC_021162.1	Ca_kabuli_chr03	16195811	CC	AA	1940162555
SNP_P1_39052_16195828	NC_021162.1	Ca_kabuli_chr03	16195828	CC	GG	1940162556
SNP_P1_39053_16195883	NC_021162.1	Ca_kabuli_chr03	16195883	GG	AA	1940162557
SNP_P1_39054_16195914	NC_021162.1	Ca_kabuli_chr03	16195914	AA	GG	1940162558
SNP_P1_39056_16196052	NC_021162.1	Ca_kabuli_chr03	16196052	TT	CC	1940162559
SNP_P1_39057_16196098	NC_021162.1	Ca_kabuli_chr03	16196098	CC	TT	1940162560
SNP_P1_39058_16196649	NC_021162.1	Ca_kabuli_chr03	16196649	TT	AA	1940162561
SNP_P1_39059_16196718	NC_021162.1	Ca_kabuli_chr03	16196718	AA	TT	1940162562
SNP_P1_39060_16196841	NC_021162.1	Ca_kabuli_chr03	16196841	TT	AA	1940162563
SNP_P1_39061_16196885	NC_021162.1	Ca_kabuli_chr03	16196885	TT	AA	1940162564
SNP_P1_39062_16197226	NC_021162.1	Ca_kabuli_chr03	16197226	AA	CC	1940162566
SNP_P1_39064_16197302	NC_021162.1	Ca_kabuli_chr03	16197302	TT	CC	1940162567
SNP_P1_39065_16197370	NC_021162.1	Ca_kabuli_chr03	16197370	AA	GG	1940162568
SNP_P1_39066_16197539	NC_021162.1	Ca_kabuli_chr03	16197539	GG	TT	1940162569
SNP_P1_39067_16197582	NC_021162.1	Ca_kabuli_chr03	16197582	CC	AA	1940162570
SNP_P1_39068_16197638	NC_021162.1	Ca_kabuli_chr03	16197638	AA	GG	1940162571
SNP_P1_39069_16197653	NC_021162.1	Ca_kabuli_chr03	16197653	CC	TT	1940162572

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39071_16197703	NC_021162.1	Ca_kabuli_chr03	16197703	GG	AA	1940162574
SNP_P1_39072_16197713	NC_021162.1	Ca_kabuli_chr03	16197713	TT	CC	1940162575
SNP_P1_39073_16197731	NC_021162.1	Ca_kabuli_chr03	16197731	GG	AA	1940162576
SNP_P1_39074_16197733	NC_021162.1	Ca_kabuli_chr03	16197733	CC	TT	1940162577
SNP_P1_39075_16197749	NC_021162.1	Ca_kabuli_chr03	16197749	TT	CC	1940162578
SNP_P1_39076_16197808	NC_021162.1	Ca_kabuli_chr03	16197808	CC	TT	1940162579
SNP_P1_39077_16211946	NC_021162.1	Ca_kabuli_chr03	16211946	TT	CC	1940162580
SNP_P1_39078_16211999	NC_021162.1	Ca_kabuli_chr03	16211999	TT	AA	1940162581
SNP_P1_39079_16212025	NC_021162.1	Ca_kabuli_chr03	16212025	TT	AA	1940162582
SNP_P1_39080_16212049	NC_021162.1	Ca_kabuli_chr03	16212049	TT	CC	1940162583
SNP_P1_39081_16212077	NC_021162.1	Ca_kabuli_chr03	16212077	AA	GG	1940162584
SNP_P1_39083_16212123	NC_021162.1	Ca_kabuli_chr03	16212123	CC	AA	1940162585
SNP_P1_39084_16212168	NC_021162.1	Ca_kabuli_chr03	16212168	AA	GG	1940162586
SNP_P1_39085_16212198	NC_021162.1	Ca_kabuli_chr03	16212198	GG	TT	1940162587
SNP_P1_39086_16212226	NC_021162.1	Ca_kabuli_chr03	16212226	GG	AA	1940162588
SNP_P1_39087_16212290	NC_021162.1	Ca_kabuli_chr03	16212290	AA	TT	1940162589
SNP_P1_39088_16212318	NC_021162.1	Ca_kabuli_chr03	16212318	TT	AA	1940162590
SNP_P1_39089_16212331	NC_021162.1	Ca_kabuli_chr03	16212331	GG	TT	1940162591
SNP_P1_39090_16212362	NC_021162.1	Ca_kabuli_chr03	16212362	AA	GG	1940162592
SNP_P1_39092_16212401	NC_021162.1	Ca_kabuli_chr03	16212401	TT	CC	1940162593
SNP_P1_39093_16212438	NC_021162.1	Ca_kabuli_chr03	16212438	TT	CC	1940162594
SNP_P1_39094_16212485	NC_021162.1	Ca_kabuli_chr03	16212485	CC	GG	1940162595
SNP_P1_39095_16212488	NC_021162.1	Ca_kabuli_chr03	16212488	TT	CC	1940162596
SNP_P1_39098_16236381	NC_021162.1	Ca_kabuli_chr03	16236381	AA	TT	1940162597
SNP_P1_39099_16236392	NC_021162.1	Ca_kabuli_chr03	16236392	CC	TT	1940162598
SNP_P1_39100_16236480	NC_021162.1	Ca_kabuli_chr03	16236480	AA	GG	1940162599
SNP_P1_39101_16237507	NC_021162.1	Ca_kabuli_chr03	16237507	AA	GG	1940162600
SNP_P1_39102_16237518	NC_021162.1	Ca_kabuli_chr03	16237518	TT	AA	1940162601
SNP_P1_39103_16237530	NC_021162.1	Ca_kabuli_chr03	16237530	TT	CC	1940162602
SNP_P1_39104_16238293	NC_021162.1	Ca_kabuli_chr03	16238293	GG	AA	1940162603
SNP_P1_39105_16240320	NC_021162.1	Ca_kabuli_chr03	16240320	TT	AA	1940162604
SNP_P1_39106_16244871	NC_021162.1	Ca_kabuli_chr03	16244871	CC	TT	1940162605
SNP_P1_39107_16245336	NC_021162.1	Ca_kabuli_chr03	16245336	GG	CC	1940162606
SNP_P1_39108_16245342	NC_021162.1	Ca_kabuli_chr03	16245342	AA	GG	1940162607
SNP_P1_39109_16251898	NC_021162.1	Ca_kabuli_chr03	16251898	GG	AA	1940162608
SNP_P1_39110_16263745	NC_021162.1	Ca_kabuli_chr03	16263745	AA	GG	1940162609
SNP_P1_39111_16263769	NC_021162.1	Ca_kabuli_chr03	16263769	CC	TT	1940162610
SNP_P1_39112_16263818	NC_021162.1	Ca_kabuli_chr03	16263818	GG	AA	1940162611
SNP_P1_39113_16264128	NC_021162.1	Ca_kabuli_chr03	16264128	GG	CC	1940162612
SNP_P1_39115_16283986	NC_021162.1	Ca_kabuli_chr03	16283986	GG	AA	1940162613
SNP_P1_39116_16284046	NC_021162.1	Ca_kabuli_chr03	16284046	TT	CC	1940162615

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39118_16314279	NC_021162.1	Ca_kabuli_chr03	16314279	AA	GG	1940162617
SNP_P1_39119_16325116	NC_021162.1	Ca_kabuli_chr03	16325116	CC	GG	1940162618
SNP_P1_39121_16331630	NC_021162.1	Ca_kabuli_chr03	16331630	AA	CC	1940162619
SNP_P1_39122_16331654	NC_021162.1	Ca_kabuli_chr03	16331654	GG	TT	1940162620
SNP_P1_39123_16331807	NC_021162.1	Ca_kabuli_chr03	16331807	AA	GG	1940162621
SNP_P1_39124_16331822	NC_021162.1	Ca_kabuli_chr03	16331822	AA	CC	1940162622
SNP_P1_39125_16331838	NC_021162.1	Ca_kabuli_chr03	16331838	TT	AA	1940162623
SNP_P1_39126_16331935	NC_021162.1	Ca_kabuli_chr03	16331935	GG	AA	1940162624
SNP_P1_39128_16331974	NC_021162.1	Ca_kabuli_chr03	16331974	AA	CC	1940162625
SNP_P1_39131_16391859	NC_021162.1	Ca_kabuli_chr03	16391859	GG	CC	1940162626
SNP_P1_39132_16391975	NC_021162.1	Ca_kabuli_chr03	16391975	CC	TT	1940162627
SNP_P1_39133_16413569	NC_021162.1	Ca_kabuli_chr03	16413569	TT	CC	1940162628
SNP_P1_39134_16413573	NC_021162.1	Ca_kabuli_chr03	16413573	TT	CC	1940162629
SNP_P1_39135_16413587	NC_021162.1	Ca_kabuli_chr03	16413587	GG	AA	1940162630
SNP_P1_39136_16413639	NC_021162.1	Ca_kabuli_chr03	16413639	AA	GG	1940162631
SNP_P1_39137_16413642	NC_021162.1	Ca_kabuli_chr03	16413642	GG	AA	1940162632
SNP_P1_39138_16413648	NC_021162.1	Ca_kabuli_chr03	16413648	GG	AA	1940162633
SNP_P1_39139_16413662	NC_021162.1	Ca_kabuli_chr03	16413662	CC	TT	1940162634
SNP_P1_39140_16413954	NC_021162.1	Ca_kabuli_chr03	16413954	TT	CC	1940162635
SNP_P1_39141_16414054	NC_021162.1	Ca_kabuli_chr03	16414054	AA	CC	1940162636
SNP_P1_39142_16414066	NC_021162.1	Ca_kabuli_chr03	16414066	GG	AA	1940162637
SNP_P1_39143_16414104	NC_021162.1	Ca_kabuli_chr03	16414104	GG	AA	1940162638
SNP_P1_39144_16414612	NC_021162.1	Ca_kabuli_chr03	16414612	GG	TT	1940162639
SNP_P1_39145_16416009	NC_021162.1	Ca_kabuli_chr03	16416009	AA	GG	1940162640
SNP_P1_39148_16441419	NC_021162.1	Ca_kabuli_chr03	16441419	TT	AA	1940162641
SNP_P1_39149_16441444	NC_021162.1	Ca_kabuli_chr03	16441444	TT	CC	1940162642
SNP_P1_39150_16441500	NC_021162.1	Ca_kabuli_chr03	16441500	TT	CC	1940162643
SNP_P1_39151_16441514	NC_021162.1	Ca_kabuli_chr03	16441514	CC	AA	1940162644
SNP_P1_39152_16441516	NC_021162.1	Ca_kabuli_chr03	16441516	AA	TT	1940162645
SNP_P1_39153_16441517	NC_021162.1	Ca_kabuli_chr03	16441517	AA	GG	1940162646
SNP_P1_39154_16441550	NC_021162.1	Ca_kabuli_chr03	16441550	GG	AA	1940162647
SNP_P1_39155_16441687	NC_021162.1	Ca_kabuli_chr03	16441687	TT	GG	1940162648
SNP_P1_39156_16447165	NC_021162.1	Ca_kabuli_chr03	16447165	GG	CC	1940162649
SNP_P1_39158_16448757	NC_021162.1	Ca_kabuli_chr03	16448757	GG	CC	1940162650
SNP_P1_39159_16450274	NC_021162.1	Ca_kabuli_chr03	16450274	CC	TT	1940162651
SNP_P1_39160_16454570	NC_021162.1	Ca_kabuli_chr03	16454570	CC	TT	1940162652
SNP_P1_39161_16466973	NC_021162.1	Ca_kabuli_chr03	16466973	GG	AA	1940162653
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SNP_P1_39164_16471630	NC_021162.1	Ca_kabuli_chr03	16471630	TT	GG	1940162656
SNP_P1_39165_16471637	NC_021162.1	Ca_kabuli_chr03	16471637	AA	TT	1940162657

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39169_16471943	NC_021162.1	Ca_kabuli_chr03	16471943	TT	GG	1940162660
SNP_P1_39170_16472129	NC_021162.1	Ca_kabuli_chr03	16472129	CC	TT	1940162661
SNP_P1_39171_16472863	NC_021162.1	Ca_kabuli_chr03	16472863	TT	AA	1940162662
SNP_P1_39173_16495554	NC_021162.1	Ca_kabuli_chr03	16495554	TT	AA	1940162663
SNP_P1_39174_16504050	NC_021162.1	Ca_kabuli_chr03	16504050	CC	TT	1940162664
SNP_P1_39175_16504960	NC_021162.1	Ca_kabuli_chr03	16504960	TT	AA	1940162665
SNP_P1_39176_16509420	NC_021162.1	Ca_kabuli_chr03	16509420	TT	GG	1940162666
SNP_P1_39178_16529818	NC_021162.1	Ca_kabuli_chr03	16529818	TT	GG	1940162667
SNP_P1_39179_16530781	NC_021162.1	Ca_kabuli_chr03	16530781	AA	TT	1940162669
SNP_P1_39181_16556014	NC_021162.1	Ca_kabuli_chr03	16556014	GG	AA	1940162670
SNP_P1_39182_16556023	NC_021162.1	Ca_kabuli_chr03	16556023	AA	TT	1940162671
SNP_P1_39183_16571164	NC_021162.1	Ca_kabuli_chr03	16571164	TT	GG	1940162672
SNP_P1_39184_16579959	NC_021162.1	Ca_kabuli_chr03	16579959	CC	TT	1940162673
SNP_P1_39185_16580371	NC_021162.1	Ca_kabuli_chr03	16580371	AA	GG	1940162674
SNP_P1_39186_16633818	NC_021162.1	Ca_kabuli_chr03	16633818	TT	CC	1940162675
SNP_P1_39187_16636329	NC_021162.1	Ca_kabuli_chr03	16636329	AA	TT	1940162676
SNP_P1_39189_16652183	NC_021162.1	Ca_kabuli_chr03	16652183	AA	TT	1940162677
SNP_P1_39190_16652187	NC_021162.1	Ca_kabuli_chr03	16652187	AA	GG	1940162678
SNP_P1_39191_16662023	NC_021162.1	Ca_kabuli_chr03	16662023	TT	AA	1940162679
SNP_P1_39192_16668226	NC_021162.1	Ca_kabuli_chr03	16668226	GG	AA	1940162680
SNP_P1_39193_16668244	NC_021162.1	Ca_kabuli_chr03	16668244	AA	GG	1940162681
SNP_P1_39196_16747253	NC_021162.1	Ca_kabuli_chr03	16747253	GG	AA	1940162682
SNP_P1_39197_16747320	NC_021162.1	Ca_kabuli_chr03	16747320	TT	CC	1940162683
SNP_P1_39198_16747356	NC_021162.1	Ca_kabuli_chr03	16747356	TT	CC	1940162684
SNP_P1_39199_16747361	NC_021162.1	Ca_kabuli_chr03	16747361	TT	CC	1940162685
SNP_P1_39200_16747373	NC_021162.1	Ca_kabuli_chr03	16747373	AA	GG	1940162686
SNP_P1_39201_16747391	NC_021162.1	Ca_kabuli_chr03	16747391	TT	CC	1940162687
SNP_P1_39202_16747396	NC_021162.1	Ca_kabuli_chr03	16747396	TT	CC	1940162688
SNP_P1_39203_16747458	NC_021162.1	Ca_kabuli_chr03	16747458	AA	GG	1940162689
SNP_P1_39204_16763108	NC_021162.1	Ca_kabuli_chr03	16763108	CC	TT	1940162690
SNP_P1_39206_16772686	NC_021162.1	Ca_kabuli_chr03	16772686	CC	TT	1940162691
SNP_P1_39208_16784985	NC_021162.1	Ca_kabuli_chr03	16784985	CC	AA	1940162692
SNP_P1_39210_16820942	NC_021162.1	Ca_kabuli_chr03	16820942	TT	CC	1940162693
SNP_P1_39211_16831515	NC_021162.1	Ca_kabuli_chr03	16831515	AA	GG	1940162694
SNP_P1_39212_16869570	NC_021162.1	Ca_kabuli_chr03	16869570	TT	CC	1940162695
SNP_P1_39213_16869582	NC_021162.1	Ca_kabuli_chr03	16869582	AA	GG	1940162696
SNP_P1_39215_16879573	NC_021162.1	Ca_kabuli_chr03	16879573	TT	CC	1940162698
SNP_P1_39216_16879646	NC_021162.1	Ca_kabuli_chr03	16879646	TT	CC	1940162699
SNP_P1_39218_16879972	NC_021162.1	Ca_kabuli_chr03	16879972	CC	TT	1940162700
SNP_P1_39220_16891349	NC_021162.1	Ca_kabuli_chr03	16891349	GG	AA	1940162701

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39222_16892794	NC_021162.1	Ca_kabuli_chr03	16892794	TT	CC	1940162703
SNP_P1_39223_16894800	NC_021162.1	Ca_kabuli_chr03	16894800	TT	GG	1940162704
SNP_P1_39224_16898466	NC_021162.1	Ca_kabuli_chr03	16898466	AA	TT	1940162705
SNP_P1_39225_16900404	NC_021162.1	Ca_kabuli_chr03	16900404	CC	TT	1940162706
SNP_P1_39226_16912497	NC_021162.1	Ca_kabuli_chr03	16912497	CC	AA	1940162707
SNP_P1_39227_16933958	NC_021162.1	Ca_kabuli_chr03	16933958	CC	TT	1940162708
SNP_P1_39228_16937639	NC_021162.1	Ca_kabuli_chr03	16937639	TT	AA	1940162709
SNP_P1_39229_16940911	NC_021162.1	Ca_kabuli_chr03	16940911	CC	TT	1940162710
SNP_P1_39231_16948613	NC_021162.1	Ca_kabuli_chr03	16948613	CC	TT	1940162711
SNP_P1_39233_16975249	NC_021162.1	Ca_kabuli_chr03	16975249	TT	CC	1940162712
SNP_P1_39234_16997840	NC_021162.1	Ca_kabuli_chr03	16997840	CC	TT	1940162713
SNP_P1_39235_17015839	NC_021162.1	Ca_kabuli_chr03	17015839	AA	CC	1940162714
SNP_P1_39236_17030909	NC_021162.1	Ca_kabuli_chr03	17030909	AA	TT	1940162715
SNP_P1_39237_17030915	NC_021162.1	Ca_kabuli_chr03	17030915	TT	AA	1940162716
SNP_P1_39238_17031033	NC_021162.1	Ca_kabuli_chr03	17031033	CC	TT	1940162717
SNP_P1_39239_17031342	NC_021162.1	Ca_kabuli_chr03	17031342	AA	GG	1940162718
SNP_P1_39240_17031413	NC_021162.1	Ca_kabuli_chr03	17031413	TT	GG	1940162719
SNP_P1_39241_17031515	NC_021162.1	Ca_kabuli_chr03	17031515	AA	TT	1940162720
SNP_P1_39242_17031539	NC_021162.1	Ca_kabuli_chr03	17031539	TT	GG	1940162721
SNP_P1_39243_17031886	NC_021162.1	Ca_kabuli_chr03	17031886	AA	CC	1940162722
SNP_P1_39244_17032467	NC_021162.1	Ca_kabuli_chr03	17032467	CC	GG	1940162723
SNP_P1_39247_17034515	NC_021162.1	Ca_kabuli_chr03	17034515	AA	GG	1940162724
SNP_P1_39248_17035050	NC_021162.1	Ca_kabuli_chr03	17035050	AA	GG	1940162725
SNP_P1_39249_17035357	NC_021162.1	Ca_kabuli_chr03	17035357	TT	GG	1940162726
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SNP_P1_39251_17039093	NC_021162.1	Ca_kabuli_chr03	17039093	AA	GG	1940162728
SNP_P1_39252_17039154	NC_021162.1	Ca_kabuli_chr03	17039154	TT	AA	1940162729
SNP_P1_39253_17039230	NC_021162.1	Ca_kabuli_chr03	17039230	TT	CC	1940162730
SNP_P1_39255_17039333	NC_021162.1	Ca_kabuli_chr03	17039333	AA	GG	1940162731
SNP_P1_39256_17039363	NC_021162.1	Ca_kabuli_chr03	17039363	AA	CC	1940162732
SNP_P1_39257_17039364	NC_021162.1	Ca_kabuli_chr03	17039364	CC	TT	1940162733
SNP_P1_39258_17039450	NC_021162.1	Ca_kabuli_chr03	17039450	TT	AA	1940162734
SNP_P1_39259_17039463	NC_021162.1	Ca_kabuli_chr03	17039463	AA	TT	1940162735
SNP_P1_39263_17091287	NC_021162.1	Ca_kabuli_chr03	17091287	CC	TT	1940162736
SNP_P1_39264_17112347	NC_021162.1	Ca_kabuli_chr03	17112347	CC	TT	1940162738
SNP_P1_39265_17112348	NC_021162.1	Ca_kabuli_chr03	17112348	TT	AA	1940162739
SNP_P1_39266_17117159	NC_021162.1	Ca_kabuli_chr03	17117159	CC	TT	1940162740
SNP_P1_39268_17128186	NC_021162.1	Ca_kabuli_chr03	17128186	GG	AA	1940162741
SNP_P1_39270_17135281	NC_021162.1	Ca_kabuli_chr03	17135281	GG	AA	1940162742
SNP_P1_39271_17136009	NC_021162.1	Ca_kabuli_chr03	17136009	TT	GG	1940162743
SNP_P1_39272_17138043	NC_021162.1	Ca_kabuli_chr03	17138043	AA	GG	1940162744

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39274_17138080	NC_021162.1	Ca_kabuli_chr03	17138080	AA	CC	1940162746
SNP_P1_39276_17138524	NC_021162.1	Ca_kabuli_chr03	17138524	CC	GG	1940162747
SNP_P1_39277_17144412	NC_021162.1	Ca_kabuli_chr03	17144412	TT	CC	1940162748
SNP_P1_39278_17168203	NC_021162.1	Ca_kabuli_chr03	17168203	TT	CC	1940162749
SNP_P1_39279_17168204	NC_021162.1	Ca_kabuli_chr03	17168204	GG	AA	1940162750
SNP_P1_39280_17169294	NC_021162.1	Ca_kabuli_chr03	17169294	GG	CC	1940162751
SNP_P1_39281_17179543	NC_021162.1	Ca_kabuli_chr03	17179543	GG	AA	1940162752
SNP_P1_39283_17187821	NC_021162.1	Ca_kabuli_chr03	17187821	CC	GG	1940162753
SNP_P1_39284_17187826	NC_021162.1	Ca_kabuli_chr03	17187826	GG	AA	1940162754
SNP_P1_39286_17202574	NC_021162.1	Ca_kabuli_chr03	17202574	GG	AA	1940162755
SNP_P1_39287_17202587	NC_021162.1	Ca_kabuli_chr03	17202587	GG	AA	1940162756
SNP_P1_39288_17217668	NC_021162.1	Ca_kabuli_chr03	17217668	CC	AA	1940162757
SNP_P1_39290_17217978	NC_021162.1	Ca_kabuli_chr03	17217978	AA	GG	1940162758
SNP_P1_39291_17219949	NC_021162.1	Ca_kabuli_chr03	17219949	CC	TT	1940162759
SNP_P1_39292_17225544	NC_021162.1	Ca_kabuli_chr03	17225544	AA	TT	1940162760
SNP_P1_39293_17239658	NC_021162.1	Ca_kabuli_chr03	17239658	CC	AA	1940162761
SNP_P1_39295_17249904	NC_021162.1	Ca_kabuli_chr03	17249904	AA	GG	1940162762
SNP_P1_39297_17292310	NC_021162.1	Ca_kabuli_chr03	17292310	TT	CC	1940162763
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SNP_P1_39300_17315250	NC_021162.1	Ca_kabuli_chr03	17315250	AA	CC	1940162766
SNP_P1_39301_17315253	NC_021162.1	Ca_kabuli_chr03	17315253	AA	GG	1940162767
SNP_P1_39302_17353994	NC_021162.1	Ca_kabuli_chr03	17353994	TT	AA	1940162768
SNP_P1_39303_17354023	NC_021162.1	Ca_kabuli_chr03	17354023	TT	GG	1940162769
SNP_P1_39305_17374301	NC_021162.1	Ca_kabuli_chr03	17374301	TT	AA	1940162770
SNP_P1_39306_17374391	NC_021162.1	Ca_kabuli_chr03	17374391	AA	GG	1940162771
SNP_P1_39307_17374401	NC_021162.1	Ca_kabuli_chr03	17374401	CC	TT	1940162772
SNP_P1_39308_17374403	NC_021162.1	Ca_kabuli_chr03	17374403	TT	CC	1940162773
SNP_P1_39309_17375341	NC_021162.1	Ca_kabuli_chr03	17375341	CC	AA	1940162774
SNP_P1_39310_17389778	NC_021162.1	Ca_kabuli_chr03	17389778	AA	CC	1940162775
SNP_P1_39311_17389779	NC_021162.1	Ca_kabuli_chr03	17389779	TT	CC	1940162776
SNP_P1_39312_17396997	NC_021162.1	Ca_kabuli_chr03	17396997	GG	TT	1940162777
SNP_P1_39313_17411303	NC_021162.1	Ca_kabuli_chr03	17411303	GG	AA	1940162778
SNP_P1_39315_17440744	NC_021162.1	Ca_kabuli_chr03	17440744	GG	AA	1940162779
SNP_P1_39316_17448765	NC_021162.1	Ca_kabuli_chr03	17448765	GG	TT	1940162780
SNP_P1_39317_17454170	NC_021162.1	Ca_kabuli_chr03	17454170	GG	TT	1940162781
SNP_P1_39318_17468942	NC_021162.1	Ca_kabuli_chr03	17468942	TT	CC	1940162782
SNP_P1_39319_17479362	NC_021162.1	Ca_kabuli_chr03	17479362	TT	AA	1940162783
SNP_P1_39320_17489927	NC_021162.1	Ca_kabuli_chr03	17489927	AA	GG	1940162785
SNP_P1_39321_17491384	NC_021162.1	Ca_kabuli_chr03	17491384	AA	GG	1940162786
SNP_P1_39322_17491414	NC_021162.1	Ca_kabuli_chr03	17491414	AA	TT	1940162787

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39324_17491556	NC_021162.1	Ca_kabuli_chr03	17491556	GG	AA	1940162789
SNP_P1_39326_17491908	NC_021162.1	Ca_kabuli_chr03	17491908	AA	GG	1940162790
SNP_P1_39327_17491909	NC_021162.1	Ca_kabuli_chr03	17491909	AA	TT	1940162791
SNP_P1_39328_17491910	NC_021162.1	Ca_kabuli_chr03	17491910	AA	TT	1940162792
SNP_P1_39329_17491911	NC_021162.1	Ca_kabuli_chr03	17491911	AA	TT	1940162793
SNP_P1_39330_17491912	NC_021162.1	Ca_kabuli_chr03	17491912	AA	TT	1940162794
SNP_P1_39331_17491928	NC_021162.1	Ca_kabuli_chr03	17491928	AA	GG	1940162795
SNP_P1_39332_17492106	NC_021162.1	Ca_kabuli_chr03	17492106	TT	CC	1940162796
SNP_P1_39333_17492210	NC_021162.1	Ca_kabuli_chr03	17492210	TT	AA	1940162797
SNP_P1_39334_17492211	NC_021162.1	Ca_kabuli_chr03	17492211	CC	TT	1940162798
SNP_P1_39335_17493773	NC_021162.1	Ca_kabuli_chr03	17493773	GG	AA	1940162799
SNP_P1_39336_17498882	NC_021162.1	Ca_kabuli_chr03	17498882	AA	CC	1940162800
SNP_P1_39337_17499157	NC_021162.1	Ca_kabuli_chr03	17499157	TT	GG	1940162801
SNP_P1_39338_17499178	NC_021162.1	Ca_kabuli_chr03	17499178	AA	TT	1940162802
SNP_P1_39339_17505637	NC_021162.1	Ca_kabuli_chr03	17505637	TT	CC	1940162803
SNP_P1_39340_17505640	NC_021162.1	Ca_kabuli_chr03	17505640	CC	AA	1940162804
SNP_P1_39341_17505648	NC_021162.1	Ca_kabuli_chr03	17505648	GG	CC	1940162805
SNP_P1_39342_17505743	NC_021162.1	Ca_kabuli_chr03	17505743	CC	TT	1940162806
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SNP_P1_39344_17505978	NC_021162.1	Ca_kabuli_chr03	17505978	AA	GG	1940162808
SNP_P1_39345_17506037	NC_021162.1	Ca_kabuli_chr03	17506037	CC	TT	1940162809
SNP_P1_39346_17506140	NC_021162.1	Ca_kabuli_chr03	17506140	TT	CC	1940162810
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SNP_P1_39348_17506610	NC_021162.1	Ca_kabuli_chr03	17506610	AA	GG	1940162812
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SNP_P1_39354_17517938	NC_021162.1	Ca_kabuli_chr03	17517938	CC	TT	1940162817
SNP_P1_39355_17522121	NC_021162.1	Ca_kabuli_chr03	17522121	TT	CC	1940162818
SNP_P1_39357_17522542	NC_021162.1	Ca_kabuli_chr03	17522542	GG	TT	1940162819
SNP_P1_39358_17536193	NC_021162.1	Ca_kabuli_chr03	17536193	AA	GG	1940162820
SNP_P1_39359_17571259	NC_021162.1	Ca_kabuli_chr03	17571259	CC	TT	1940162821
SNP_P1_39360_17571290	NC_021162.1	Ca_kabuli_chr03	17571290	AA	CC	1940162822
SNP_P1_39361_17571291	NC_021162.1	Ca_kabuli_chr03	17571291	AA	CC	1940162823
SNP_P1_39363_17580757	NC_021162.1	Ca_kabuli_chr03	17580757	GG	AA	1940162824
SNP_P1_39364_17593918	NC_021162.1	Ca_kabuli_chr03	17593918	TT	GG	1940162825
SNP_P1_39365_17601044	NC_021162.1	Ca_kabuli_chr03	17601044	TT	CC	1940162826
SNP_P1_39366_17601046	NC_021162.1	Ca_kabuli_chr03	17601046	GG	AA	1940162828
SNP_P1_39367_17601058	NC_021162.1	Ca_kabuli_chr03	17601058	AA	GG	1940162829
SNP_P1_39368_17601110	NC_021162.1	Ca_kabuli_chr03	17601110	TT	CC	1940162830

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39371_17601444	NC_021162.1	Ca_kabuli_chr03	17601444	AA	GG	1940162833
SNP_P1_39372_17601570	NC_021162.1	Ca_kabuli_chr03	17601570	AA	GG	1940162834
SNP_P1_39373_17642466	NC_021162.1	Ca_kabuli_chr03	17642466	AA	GG	1940162835
SNP_P1_39374_17659102	NC_021162.1	Ca_kabuli_chr03	17659102	GG	TT	1940162836
SNP_P1_39376_17679172	NC_021162.1	Ca_kabuli_chr03	17679172	AA	GG	1940162837
SNP_P1_39377_17679196	NC_021162.1	Ca_kabuli_chr03	17679196	CC	AA	1940162838
SNP_P1_39378_17679205	NC_021162.1	Ca_kabuli_chr03	17679205	TT	GG	1940162839
SNP_P1_39379_17679228	NC_021162.1	Ca_kabuli_chr03	17679228	AA	GG	1940162840
SNP_P1_39380_17681560	NC_021162.1	Ca_kabuli_chr03	17681560	TT	AA	1940162841
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SNP_P1_39385_17714663	NC_021162.1	Ca_kabuli_chr03	17714663	AA	CC	1940162843
SNP_P1_39386_17714667	NC_021162.1	Ca_kabuli_chr03	17714667	TT	GG	1940162844
SNP_P1_39389_17752903	NC_021162.1	Ca_kabuli_chr03	17752903	TT	CC	1940162845
SNP_P1_39390_17755792	NC_021162.1	Ca_kabuli_chr03	17755792	CC	TT	1940162846
SNP_P1_39391_17756027	NC_021162.1	Ca_kabuli_chr03	17756027	TT	CC	1940162847
SNP_P1_39392_17756068	NC_021162.1	Ca_kabuli_chr03	17756068	CC	TT	1940162848
SNP_P1_39393_17756132	NC_021162.1	Ca_kabuli_chr03	17756132	GG	AA	1940162849
SNP_P1_39394_17756149	NC_021162.1	Ca_kabuli_chr03	17756149	GG	AA	1940162850
SNP_P1_39395_17756166	NC_021162.1	Ca_kabuli_chr03	17756166	AA	GG	1940162851
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SNP_P1_39397_17756186	NC_021162.1	Ca_kabuli_chr03	17756186	TT	CC	1940162853
SNP_P1_39398_17756200	NC_021162.1	Ca_kabuli_chr03	17756200	CC	TT	1940162854
SNP_P1_39399_17756242	NC_021162.1	Ca_kabuli_chr03	17756242	TT	CC	1940162855
SNP_P1_39400_17756254	NC_021162.1	Ca_kabuli_chr03	17756254	CC	TT	1940162856
SNP_P1_39401_17756258	NC_021162.1	Ca_kabuli_chr03	17756258	AA	GG	1940162857
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SNP_P1_39404_17756301	NC_021162.1	Ca_kabuli_chr03	17756301	TT	CC	1940162860
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SNP_P1_39406_17756346	NC_021162.1	Ca_kabuli_chr03	17756346	CC	TT	1940162862
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SNP_P1_39408_17756440	NC_021162.1	Ca_kabuli_chr03	17756440	AA	GG	1940162864
SNP_P1_39409_17756470	NC_021162.1	Ca_kabuli_chr03	17756470	CC	TT	1940162865
SNP_P1_39410_17756514	NC_021162.1	Ca_kabuli_chr03	17756514	AA	GG	1940162866
SNP_P1_39411_17756522	NC_021162.1	Ca_kabuli_chr03	17756522	GG	TT	1940162867
SNP_P1_39412_17756574	NC_021162.1	Ca_kabuli_chr03	17756574	AA	GG	1940162868
SNP_P1_39413_17756717	NC_021162.1	Ca_kabuli_chr03	17756717	TT	CC	1940162869
SNP_P1_39414_17757593	NC_021162.1	Ca_kabuli_chr03	17757593	GG	AA	1940162870
SNP_P1_39416_17761126	NC_021162.1	Ca_kabuli_chr03	17761126	AA	TT	1940162871
SNP_P1_39417_17805415	NC_021162.1	Ca_kabuli_chr03	17805415	AA	GG	1940162872

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39420_17820678	NC_021162.1	Ca_kabuli_chr03	17820678	AA	GG	1940162874
SNP_P1_39421_17820680	NC_021162.1	Ca_kabuli_chr03	17820680	GG	AA	1940162875
SNP_P1_39422_17822003	NC_021162.1	Ca_kabuli_chr03	17822003	AA	TT	1940162876
SNP_P1_39423_17827045	NC_021162.1	Ca_kabuli_chr03	17827045	CC	TT	1940162877
SNP_P1_39424_17838030	NC_021162.1	Ca_kabuli_chr03	17838030	CC	TT	1940162878
SNP_P1_39425_17838333	NC_021162.1	Ca_kabuli_chr03	17838333	AA	GG	1940162879
SNP_P1_39426_17838340	NC_021162.1	Ca_kabuli_chr03	17838340	AA	GG	1940162880
SNP_P1_39427_17849148	NC_021162.1	Ca_kabuli_chr03	17849148	GG	AA	1940162881
SNP_P1_39428_17849153	NC_021162.1	Ca_kabuli_chr03	17849153	AA	GG	1940162882
SNP_P1_39429_17865540	NC_021162.1	Ca_kabuli_chr03	17865540	TT	CC	1940162884
SNP_P1_39430_17865541	NC_021162.1	Ca_kabuli_chr03	17865541	AA	GG	1940162885
SNP_P1_39431_17865578	NC_021162.1	Ca_kabuli_chr03	17865578	TT	CC	1940162886
SNP_P1_39432_17865850	NC_021162.1	Ca_kabuli_chr03	17865850	TT	CC	1940162887
SNP_P1_39433_17869934	NC_021162.1	Ca_kabuli_chr03	17869934	TT	CC	1940162888
SNP_P1_39434_17873919	NC_021162.1	Ca_kabuli_chr03	17873919	GG	CC	1940162889
SNP_P1_39435_17874816	NC_021162.1	Ca_kabuli_chr03	17874816	GG	TT	1940162890
SNP_P1_39436_17874825	NC_021162.1	Ca_kabuli_chr03	17874825	CC	AA	1940162891
SNP_P1_39438_17940689	NC_021162.1	Ca_kabuli_chr03	17940689	TT	GG	1940162892
SNP_P1_39440_17941602	NC_021162.1	Ca_kabuli_chr03	17941602	CC	TT	1940162893
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SNP_P1_39442_17996116	NC_021162.1	Ca_kabuli_chr03	17996116	AA	GG	1940162895
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SNP_P1_39451_18019102	NC_021162.1	Ca_kabuli_chr03	18019102	TT	CC	1940162903
SNP_P1_39453_18019162	NC_021162.1	Ca_kabuli_chr03	18019162	CC	TT	1940162904
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SNP_P1_39455_18019436	NC_021162.1	Ca_kabuli_chr03	18019436	GG	AA	1940162906
SNP_P1_39456_18019783	NC_021162.1	Ca_kabuli_chr03	18019783	AA	GG	1940162907
SNP_P1_39457_18019829	NC_021162.1	Ca_kabuli_chr03	18019829	TT	CC	1940162908
SNP_P1_39459_18028326	NC_021162.1	Ca_kabuli_chr03	18028326	TT	CC	1940162909
SNP_P1_39460_18034070	NC_021162.1	Ca_kabuli_chr03	18034070	TT	CC	1940162910
SNP_P1_39461_18038443	NC_021162.1	Ca_kabuli_chr03	18038443	CC	AA	1940162911
SNP_P1_39462_18048501	NC_021162.1	Ca_kabuli_chr03	18048501	AA	TT	1940162912
SNP_P1_39463_18048504	NC_021162.1	Ca_kabuli_chr03	18048504	AA	TT	1940162913
SNP_P1_39464_18060637	NC_021162.1	Ca_kabuli_chr03	18060637	GG	AA	1940162914
SNP_P1_39465_18062393	NC_021162.1	Ca_kabuli_chr03	18062393	GG	AA	1940162915

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39467_18062926	NC_021162.1	Ca_kabuli_chr03	18062926	TT	CC	1940162917
SNP_P1_39469_18091869	NC_021162.1	Ca_kabuli_chr03	18091869	CC	TT	1940162919
SNP_P1_39470_18092632	NC_021162.1	Ca_kabuli_chr03	18092632	AA	GG	1940162920
SNP_P1_39471_18093339	NC_021162.1	Ca_kabuli_chr03	18093339	CC	GG	1940162921
SNP_P1_39472_18094963	NC_021162.1	Ca_kabuli_chr03	18094963	AA	GG	1940162922
SNP_P1_39473_18105268	NC_021162.1	Ca_kabuli_chr03	18105268	CC	TT	1940162923
SNP_P1_39474_18120687	NC_021162.1	Ca_kabuli_chr03	18120687	TT	GG	1940162924
SNP_P1_39475_18120700	NC_021162.1	Ca_kabuli_chr03	18120700	TT	CC	1940162925
SNP_P1_39476_18121090	NC_021162.1	Ca_kabuli_chr03	18121090	CC	TT	1940162926
SNP_P1_39477_18125501	NC_021162.1	Ca_kabuli_chr03	18125501	TT	CC	1940162927
SNP_P1_39478_18127136	NC_021162.1	Ca_kabuli_chr03	18127136	GG	AA	1940162928
SNP_P1_39480_18128918	NC_021162.1	Ca_kabuli_chr03	18128918	AA	GG	1940162929
SNP_P1_39481_18128958	NC_021162.1	Ca_kabuli_chr03	18128958	GG	AA	1940162930
SNP_P1_39482_18133205	NC_021162.1	Ca_kabuli_chr03	18133205	GG	AA	1940162931
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SNP_P1_39487_18170535	NC_021162.1	Ca_kabuli_chr03	18170535	CC	AA	1940162936
SNP_P1_39488_18170540	NC_021162.1	Ca_kabuli_chr03	18170540	TT	CC	1940162937
SNP_P1_39489_18170547	NC_021162.1	Ca_kabuli_chr03	18170547	AA	GG	1940162938
SNP_P1_39490_18170562	NC_021162.1	Ca_kabuli_chr03	18170562	TT	CC	1940162939
SNP_P1_39491_18170564	NC_021162.1	Ca_kabuli_chr03	18170564	AA	GG	1940162940
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SNP_P1_39495_18170689	NC_021162.1	Ca_kabuli_chr03	18170689	AA	CC	1940162944
SNP_P1_39496_18170695	NC_021162.1	Ca_kabuli_chr03	18170695	TT	CC	1940162945
SNP_P1_39497_18170705	NC_021162.1	Ca_kabuli_chr03	18170705	TT	CC	1940162946
SNP_P1_39498_18170749	NC_021162.1	Ca_kabuli_chr03	18170749	GG	CC	1940162947
SNP_P1_39499_18170756	NC_021162.1	Ca_kabuli_chr03	18170756	GG	CC	1940162948
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SNP_P1_39501_18170826	NC_021162.1	Ca_kabuli_chr03	18170826	CC	TT	1940162950
SNP_P1_39502_18170832	NC_021162.1	Ca_kabuli_chr03	18170832	AA	GG	1940162951
SNP_P1_39503_18170907	NC_021162.1	Ca_kabuli_chr03	18170907	CC	AA	1940162952
SNP_P1_39504_18173571	NC_021162.1	Ca_kabuli_chr03	18173571	AA	CC	1940162953
SNP_P1_39505_18178781	NC_021162.1	Ca_kabuli_chr03	18178781	TT	CC	1940162954
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SNP_P1_39508_18189875	NC_021162.1	Ca_kabuli_chr03	18189875	AA	CC	1940162957
SNP_P1_39509_18190097	NC_021162.1	Ca_kabuli_chr03	18190097	CC	TT	1940162958

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39511_18190147	NC_021162.1	Ca_kabuli_chr03	18190147	CC	TT	1940162960
SNP_P1_39512_18190169	NC_021162.1	Ca_kabuli_chr03	18190169	TT	CC	1940162961
SNP_P1_39513_18190286	NC_021162.1	Ca_kabuli_chr03	18190286	GG	AA	1940162962
SNP_P1_39514_18190333	NC_021162.1	Ca_kabuli_chr03	18190333	TT	GG	1940162963
SNP_P1_39515_18190367	NC_021162.1	Ca_kabuli_chr03	18190367	AA	GG	1940162964
SNP_P1_39516_18190624	NC_021162.1	Ca_kabuli_chr03	18190624	TT	AA	1940162965
SNP_P1_39517_18190635	NC_021162.1	Ca_kabuli_chr03	18190635	AA	CC	1940162966
SNP_P1_39518_18190652	NC_021162.1	Ca_kabuli_chr03	18190652	GG	TT	1940162967
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SNP_P1_39520_18190957	NC_021162.1	Ca_kabuli_chr03	18190957	AA	CC	1940162970
SNP_P1_39521_18191026	NC_021162.1	Ca_kabuli_chr03	18191026	GG	AA	1940162971
SNP_P1_39523_18191058	NC_021162.1	Ca_kabuli_chr03	18191058	AA	GG	1940162972
SNP_P1_39524_18191090	NC_021162.1	Ca_kabuli_chr03	18191090	AA	TT	1940162973
SNP_P1_39525_18191095	NC_021162.1	Ca_kabuli_chr03	18191095	TT	AA	1940162974
SNP_P1_39526_18191101	NC_021162.1	Ca_kabuli_chr03	18191101	CC	TT	1940162975
SNP_P1_39527_18191128	NC_021162.1	Ca_kabuli_chr03	18191128	CC	TT	1940162976
SNP_P1_39528_18191136	NC_021162.1	Ca_kabuli_chr03	18191136	CC	TT	1940162977
SNP_P1_39529_18191409	NC_021162.1	Ca_kabuli_chr03	18191409	AA	GG	1940162978
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SNP_P1_39532_18191547	NC_021162.1	Ca_kabuli_chr03	18191547	GG	TT	1940162981
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SNP_P1_39537_18245762	NC_021162.1	Ca_kabuli_chr03	18245762	AA	GG	1940162985
SNP_P1_39538_18253227	NC_021162.1	Ca_kabuli_chr03	18253227	AA	GG	1940162986
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SNP_P1_39540_18253331	NC_021162.1	Ca_kabuli_chr03	18253331	CC	TT	1940162988
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SNP_P1_39542_18253490	NC_021162.1	Ca_kabuli_chr03	18253490	GG	AA	1940162990
SNP_P1_39543_18253591	NC_021162.1	Ca_kabuli_chr03	18253591	AA	GG	1940162991
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SNP_P1_39549_18274941	NC_021162.1	Ca_kabuli_chr03	18274941	TT	CC	1940162996
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SNP_P1_39551_18302868	NC_021162.1	Ca_kabuli_chr03	18302868	GG	TT	1940162998
SNP_P1_39552_18302900	NC_021162.1	Ca_kabuli_chr03	18302900	TT	CC	1940162999
SNP_P1_39553_18303044	NC_021162.1	Ca_kabuli_chr03	18303044	TT	CC	1940163000
SNP_P1_39554_18303115	NC_021162.1	Ca_kabuli_chr03	18303115	AA	GG	1940163001

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39557_18303447	NC_021162.1	Ca_kabuli_chr03	18303447	TT	CC	1940163004
SNP_P1_39558_18303466	NC_021162.1	Ca_kabuli_chr03	18303466	CC	TT	1940163005
SNP_P1_39560_18359624	NC_021162.1	Ca_kabuli_chr03	18359624	CC	AA	1940163006
SNP_P1_39562_18363058	NC_021162.1	Ca_kabuli_chr03	18363058	TT	CC	1940163007
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SNP_P1_39564_18380484	NC_021162.1	Ca_kabuli_chr03	18380484	AA	GG	1940163009
SNP_P1_39565_18380486	NC_021162.1	Ca_kabuli_chr03	18380486	AA	GG	1940163010
SNP_P1_39566_18434851	NC_021162.1	Ca_kabuli_chr03	18434851	AA	GG	1940163011
SNP_P1_39567_18435129	NC_021162.1	Ca_kabuli_chr03	18435129	GG	AA	1940163012
SNP_P1_39568_18435140	NC_021162.1	Ca_kabuli_chr03	18435140	AA	GG	1940163013
SNP_P1_39569_18435196	NC_021162.1	Ca_kabuli_chr03	18435196	TT	GG	1940163015
SNP_P1_39570_18491181	NC_021162.1	Ca_kabuli_chr03	18491181	TT	GG	1940163016
SNP_P1_39571_18496901	NC_021162.1	Ca_kabuli_chr03	18496901	GG	AA	1940163017
SNP_P1_39572_18518885	NC_021162.1	Ca_kabuli_chr03	18518885	TT	CC	1940163018
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SNP_P1_39575_18544025	NC_021162.1	Ca_kabuli_chr03	18544025	AA	TT	1940163020
SNP_P1_39576_18552828	NC_021162.1	Ca_kabuli_chr03	18552828	AA	GG	1940163021
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SNP_P1_39579_18574549	NC_021162.1	Ca_kabuli_chr03	18574549	GG	AA	1940163023
SNP_P1_39580_18577033	NC_021162.1	Ca_kabuli_chr03	18577033	TT	CC	1940163024
SNP_P1_39581_18577034	NC_021162.1	Ca_kabuli_chr03	18577034	CC	TT	1940163025
SNP_P1_39582_18581296	NC_021162.1	Ca_kabuli_chr03	18581296	AA	GG	1940163026
SNP_P1_39583_18619043	NC_021162.1	Ca_kabuli_chr03	18619043	GG	AA	1940163027
SNP_P1_39584_18627331	NC_021162.1	Ca_kabuli_chr03	18627331	TT	AA	1940163028
SNP_P1_39585_18627343	NC_021162.1	Ca_kabuli_chr03	18627343	AA	TT	1940163029
SNP_P1_39587_18670230	NC_021162.1	Ca_kabuli_chr03	18670230	TT	GG	1940163030
SNP_P1_39588_18670243	NC_021162.1	Ca_kabuli_chr03	18670243	AA	CC	1940163031
SNP_P1_39589_18670266	NC_021162.1	Ca_kabuli_chr03	18670266	CC	TT	1940163032
SNP_P1_39590_18670279	NC_021162.1	Ca_kabuli_chr03	18670279	CC	TT	1940163033
SNP_P1_39591_18670290	NC_021162.1	Ca_kabuli_chr03	18670290	CC	TT	1940163034
SNP_P1_39592_18670519	NC_021162.1	Ca_kabuli_chr03	18670519	TT	GG	1940163035
SNP_P1_39593_18670652	NC_021162.1	Ca_kabuli_chr03	18670652	AA	TT	1940163036
SNP_P1_39594_18670656	NC_021162.1	Ca_kabuli_chr03	18670656	TT	CC	1940163037
SNP_P1_39595_18670698	NC_021162.1	Ca_kabuli_chr03	18670698	TT	CC	1940163038
SNP_P1_39596_18670717	NC_021162.1	Ca_kabuli_chr03	18670717	GG	CC	1940163039
SNP_P1_39597_18670749	NC_021162.1	Ca_kabuli_chr03	18670749	TT	GG	1940163040
SNP_P1_39598_18670813	NC_021162.1	Ca_kabuli_chr03	18670813	AA	TT	1940163041
SNP_P1_39600_18670855	NC_021162.1	Ca_kabuli_chr03	18670855	TT	GG	1940163042
SNP_P1_39601_18713853	NC_021162.1	Ca_kabuli_chr03	18713853	GG	AA	1940163043
SNP_P1_39602_18755322	NC_021162.1	Ca_kabuli_chr03	18755322	AA	TT	1940163044

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_39603_18755323	NC_021162.1	Ca_kabuli_chr03	18755323	TT	GG	1940163045
SNP_P1_39604_18774162	NC_021162.1	Ca_kabuli_chr03	18774162	TT	AA	1940163046
SNP_P1_39605_18777587	NC_021162.1	Ca_kabuli_chr03	18777587	AA	CC	1940163047
SNP_P1_39607_18864050	NC_021162.1	Ca_kabuli_chr03	18864050	TT	AA	1940163048
SNP_P1_39608_18864078	NC_021162.1	Ca_kabuli_chr03	18864078	CC	AA	1940163049
SNP_P1_39609_18892078	NC_021162.1	Ca_kabuli_chr03	18892078	CC	TT	1940163050
SNP_P1_39610_18920173	NC_021162.1	Ca_kabuli_chr03	18920173	CC	GG	1940163051
SNP_P1_39611_18935051	NC_021162.1	Ca_kabuli_chr03	18935051	AA	CC	1940163052
SNP_P1_39612_18935074	NC_021162.1	Ca_kabuli_chr03	18935074	TT	AA	1940163053
SNP_P1_39613_18935090	NC_021162.1	Ca_kabuli_chr03	18935090	AA	GG	1940163054
SNP_P1_39614_18935277	NC_021162.1	Ca_kabuli_chr03	18935277	AA	GG	1940163055
SNP_P1_39615_18935286	NC_021162.1	Ca_kabuli_chr03	18935286	CC	TT	1940163056
SNP_P1_39616_18935321	NC_021162.1	Ca_kabuli_chr03	18935321	TT	CC	1940163057
SNP_P1_39617_18941761	NC_021162.1	Ca_kabuli_chr03	18941761	AA	GG	1940163058
SNP_P1_39619_18943247	NC_021162.1	Ca_kabuli_chr03	18943247	AA	TT	1940163059
SNP_P1_39620_18971268	NC_021162.1	Ca_kabuli_chr03	18971268	GG	AA	1940163060
SNP_P1_39621_18987166	NC_021162.1	Ca_kabuli_chr03	18987166	TT	GG	1940163061
SNP_P1_39622_18987167	NC_021162.1	Ca_kabuli_chr03	18987167	AA	TT	1940163062
SNP_P1_39623_19004142	NC_021162.1	Ca_kabuli_chr03	19004142	AA	CC	1940163063
SNP_P1_39624_19007011	NC_021162.1	Ca_kabuli_chr03	19007011	AA	GG	1940163064
SNP_P1_39625_19007108	NC_021162.1	Ca_kabuli_chr03	19007108	TT	GG	1940163065
SNP_P1_39626_19007249	NC_021162.1	Ca_kabuli_chr03	19007249	TT	AA	1940163067
SNP_P1_39627_19007617	NC_021162.1	Ca_kabuli_chr03	19007617	TT	GG	1940163068
SNP_P1_39628_19008740	NC_021162.1	Ca_kabuli_chr03	19008740	TT	AA	1940163069
SNP_P1_39629_19008742	NC_021162.1	Ca_kabuli_chr03	19008742	AA	TT	1940163070
SNP_P1_39630_19008772	NC_021162.1	Ca_kabuli_chr03	19008772	CC	TT	1940163071
SNP_P1_39631_19008774	NC_021162.1	Ca_kabuli_chr03	19008774	CC	AA	1940163072
SNP_P1_39632_19008775	NC_021162.1	Ca_kabuli_chr03	19008775	AA	CC	1940163073
SNP_P1_39633_19008779	NC_021162.1	Ca_kabuli_chr03	19008779	TT	GG	1940163074
SNP_P1_39634_19008784	NC_021162.1	Ca_kabuli_chr03	19008784	TT	CC	1940163075
SNP_P1_39635_19034889	NC_021162.1	Ca_kabuli_chr03	19034889	CC	TT	1940163076
SNP_P1_39636_19035247	NC_021162.1	Ca_kabuli_chr03	19035247	AA	CC	1940163077
SNP_P1_39637_19036568	NC_021162.1	Ca_kabuli_chr03	19036568	AA	GG	1940163078
SNP_P1_39638_19036579	NC_021162.1	Ca_kabuli_chr03	19036579	GG	TT	1940163079
SNP_P1_39639_19054998	NC_021162.1	Ca_kabuli_chr03	19054998	AA	GG	1940163080
SNP_P1_39643_19070829	NC_021162.1	Ca_kabuli_chr03	19070829	AA	TT	1940163081
SNP_P1_39644_19089346	NC_021162.1	Ca_kabuli_chr03	19089346	TT	CC	1940163082
SNP_P1_39645_19089417	NC_021162.1	Ca_kabuli_chr03	19089417	TT	CC	1940163083
SNP_P1_39646_19089456	NC_021162.1	Ca_kabuli_chr03	19089456	TT	GG	1940163084
SNP_P1_39647_19089483	NC_021162.1	Ca_kabuli_chr03	19089483	AA	GG	1940163085
SNP_P1_39648_19089496	NC_021162.1	Ca_kabuli_chr03	19089496	TT	CC	1940163086
SNP_P1_39649_19089515	NC_021162.1	Ca_kabuli_chr03	19089515	GG	AA	1940163087

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39651_19090146	NC_021162.1	Ca_kabuli_chr03	19090146	CC	GG	1940163089
SNP_P1_39652_19090651	NC_021162.1	Ca_kabuli_chr03	19090651	TT	CC	1940163090
SNP_P1_39655_19142396	NC_021162.1	Ca_kabuli_chr03	19142396	TT	CC	1940163091
SNP_P1_39658_19148778	NC_021162.1	Ca_kabuli_chr03	19148778	GG	AA	1940163092
SNP_P1_39660_19164903	NC_021162.1	Ca_kabuli_chr03	19164903	AA	GG	1940163093
SNP_P1_39662_19171264	NC_021162.1	Ca_kabuli_chr03	19171264	AA	TT	1940163094
SNP_P1_39663_19171273	NC_021162.1	Ca_kabuli_chr03	19171273	TT	GG	1940163095
SNP_P1_39664_19171287	NC_021162.1	Ca_kabuli_chr03	19171287	TT	CC	1940163096
SNP_P1_39665_19176023	NC_021162.1	Ca_kabuli_chr03	19176023	TT	CC	1940163097
SNP_P1_39666_19176024	NC_021162.1	Ca_kabuli_chr03	19176024	AA	CC	1940163098
SNP_P1_39667_19189185	NC_021162.1	Ca_kabuli_chr03	19189185	AA	GG	1940163099
SNP_P1_39668_19196406	NC_021162.1	Ca_kabuli_chr03	19196406	CC	TT	1940163100
SNP_P1_39670_19196511	NC_021162.1	Ca_kabuli_chr03	19196511	AA	TT	1940163101
SNP_P1_39671_19196834	NC_021162.1	Ca_kabuli_chr03	19196834	AA	CC	1940163102
SNP_P1_39672_19196883	NC_021162.1	Ca_kabuli_chr03	19196883	TT	CC	1940163103
SNP_P1_39673_19198407	NC_021162.1	Ca_kabuli_chr03	19198407	CC	GG	1940163104
SNP_P1_39674_19198551	NC_021162.1	Ca_kabuli_chr03	19198551	GG	AA	1940163105
SNP_P1_39675_19198639	NC_021162.1	Ca_kabuli_chr03	19198639	TT	GG	1940163106
SNP_P1_39676_19198654	NC_021162.1	Ca_kabuli_chr03	19198654	TT	CC	1940163107
SNP_P1_39677_19198713	NC_021162.1	Ca_kabuli_chr03	19198713	TT	CC	1940163108
SNP_P1_39678_19198771	NC_021162.1	Ca_kabuli_chr03	19198771	TT	CC	1940163109
SNP_P1_39679_19198864	NC_021162.1	Ca_kabuli_chr03	19198864	TT	CC	1940163110
SNP_P1_39680_19198953	NC_021162.1	Ca_kabuli_chr03	19198953	TT	CC	1940163111
SNP_P1_39681_19198990	NC_021162.1	Ca_kabuli_chr03	19198990	TT	GG	1940163112
SNP_P1_39682_19199019	NC_021162.1	Ca_kabuli_chr03	19199019	AA	CC	1940163113
SNP_P1_39683_19206096	NC_021162.1	Ca_kabuli_chr03	19206096	AA	TT	1940163114
SNP_P1_39684_19230723	NC_021162.1	Ca_kabuli_chr03	19230723	AA	GG	1940163116
SNP_P1_39687_19277213	NC_021162.1	Ca_kabuli_chr03	19277213	TT	AA	1940163117
SNP_P1_39689_19314754	NC_021162.1	Ca_kabuli_chr03	19314754	GG	CC	1940163118
SNP_P1_39691_19356444	NC_021162.1	Ca_kabuli_chr03	19356444	AA	GG	1940163119
SNP_P1_39692_19356488	NC_021162.1	Ca_kabuli_chr03	19356488	AA	GG	1940163120
SNP_P1_39693_19356504	NC_021162.1	Ca_kabuli_chr03	19356504	CC	AA	1940163121
SNP_P1_39694_19356694	NC_021162.1	Ca_kabuli_chr03	19356694	CC	GG	1940163122
SNP_P1_39695_19357461	NC_021162.1	Ca_kabuli_chr03	19357461	AA	CC	1940163123
SNP_P1_39696_19357487	NC_021162.1	Ca_kabuli_chr03	19357487	CC	AA	1940163124
SNP_P1_39697_19357545	NC_021162.1	Ca_kabuli_chr03	19357545	AA	TT	1940163125
SNP_P1_39698_19357549	NC_021162.1	Ca_kabuli_chr03	19357549	TT	CC	1940163126
SNP_P1_39699_19357721	NC_021162.1	Ca_kabuli_chr03	19357721	CC	AA	1940163127
SNP_P1_39700_19357783	NC_021162.1	Ca_kabuli_chr03	19357783	TT	AA	1940163128
SNP_P1_39701_19357788	NC_021162.1	Ca_kabuli_chr03	19357788	CC	TT	1940163129
SNP_P1_39702_19357930	NC_021162.1	Ca_kabuli_chr03	19357930	CC	TT	1940163130

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39704_19358021	NC_021162.1	Ca_kabuli_chr03	19358021	CC	TT	1940163132
SNP_P1_39705_19358108	NC_021162.1	Ca_kabuli_chr03	19358108	AA	GG	1940163133
SNP_P1_39706_19358186	NC_021162.1	Ca_kabuli_chr03	19358186	AA	GG	1940163134
SNP_P1_39707_19358343	NC_021162.1	Ca_kabuli_chr03	19358343	CC	TT	1940163135
SNP_P1_39708_19358347	NC_021162.1	Ca_kabuli_chr03	19358347	TT	CC	1940163136
SNP_P1_39709_19358380	NC_021162.1	Ca_kabuli_chr03	19358380	CC	AA	1940163137
SNP_P1_39710_19358410	NC_021162.1	Ca_kabuli_chr03	19358410	GG	CC	1940163138
SNP_P1_39711_19358422	NC_021162.1	Ca_kabuli_chr03	19358422	AA	CC	1940163139
SNP_P1_39714_19358678	NC_021162.1	Ca_kabuli_chr03	19358678	GG	AA	1940163140
SNP_P1_39715_19358710	NC_021162.1	Ca_kabuli_chr03	19358710	CC	TT	1940163141
SNP_P1_39716_19358718	NC_021162.1	Ca_kabuli_chr03	19358718	GG	AA	1940163142
SNP_P1_39717_19358734	NC_021162.1	Ca_kabuli_chr03	19358734	CC	TT	1940163143
SNP_P1_39718_19358745	NC_021162.1	Ca_kabuli_chr03	19358745	CC	TT	1940163144
SNP_P1_39719_19358834	NC_021162.1	Ca_kabuli_chr03	19358834	CC	AA	1940163145
SNP_P1_39720_19358877	NC_021162.1	Ca_kabuli_chr03	19358877	CC	GG	1940163146
SNP_P1_39721_19358880	NC_021162.1	Ca_kabuli_chr03	19358880	TT	CC	1940163147
SNP_P1_39722_19358954	NC_021162.1	Ca_kabuli_chr03	19358954	AA	TT	1940163148
SNP_P1_39723_19358967	NC_021162.1	Ca_kabuli_chr03	19358967	GG	AA	1940163149
SNP_P1_39724_19358993	NC_021162.1	Ca_kabuli_chr03	19358993	AA	GG	1940163150
SNP_P1_39726_19359053	NC_021162.1	Ca_kabuli_chr03	19359053	GG	AA	1940163151
SNP_P1_39727_19359059	NC_021162.1	Ca_kabuli_chr03	19359059	TT	GG	1940163152
SNP_P1_39728_19359111	NC_021162.1	Ca_kabuli_chr03	19359111	CC	TT	1940163153
SNP_P1_39729_19359147	NC_021162.1	Ca_kabuli_chr03	19359147	GG	CC	1940163154
SNP_P1_39730_19359151	NC_021162.1	Ca_kabuli_chr03	19359151	GG	CC	1940163155
SNP_P1_39731_19359153	NC_021162.1	Ca_kabuli_chr03	19359153	GG	TT	1940163156
SNP_P1_39732_19359188	NC_021162.1	Ca_kabuli_chr03	19359188	CC	TT	1940163157
SNP_P1_39733_19359189	NC_021162.1	Ca_kabuli_chr03	19359189	TT	GG	1940163158
SNP_P1_39734_19359254	NC_021162.1	Ca_kabuli_chr03	19359254	AA	GG	1940163159
SNP_P1_39735_19359309	NC_021162.1	Ca_kabuli_chr03	19359309	AA	TT	1940163160
SNP_P1_39736_19359310	NC_021162.1	Ca_kabuli_chr03	19359310	GG	CC	1940163161
SNP_P1_39738_19359455	NC_021162.1	Ca_kabuli_chr03	19359455	AA	TT	1940163163
SNP_P1_39739_19359494	NC_021162.1	Ca_kabuli_chr03	19359494	CC	TT	1940163164
SNP_P1_39740_19359510	NC_021162.1	Ca_kabuli_chr03	19359510	AA	GG	1940163165
SNP_P1_39741_19359522	NC_021162.1	Ca_kabuli_chr03	19359522	CC	TT	1940163166
SNP_P1_39742_19359528	NC_021162.1	Ca_kabuli_chr03	19359528	TT	CC	1940163167
SNP_P1_39743_19359544	NC_021162.1	Ca_kabuli_chr03	19359544	TT	CC	1940163168
SNP_P1_39744_19359557	NC_021162.1	Ca_kabuli_chr03	19359557	CC	TT	1940163169
SNP_P1_39745_19359562	NC_021162.1	Ca_kabuli_chr03	19359562	TT	CC	1940163170
SNP_P1_39746_19359576	NC_021162.1	Ca_kabuli_chr03	19359576	TT	GG	1940163171
SNP_P1_39747_19359580	NC_021162.1	Ca_kabuli_chr03	19359580	CC	TT	1940163172
SNP_P1_39748_19359641	NC_021162.1	Ca_kabuli_chr03	19359641	GG	AA	1940163173

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_39749_19359749	NC_021162.1	Ca_kabuli_chr03	19359749	TT	CC	1940163174
SNP_P1_39750_19359834	NC_021162.1	Ca_kabuli_chr03	19359834	TT	GG	1940163175
SNP_P1_39751_19359992	NC_021162.1	Ca_kabuli_chr03	19359992	CC	TT	1940163176
SNP_P1_39752_19360046	NC_021162.1	Ca_kabuli_chr03	19360046	AA	GG	1940163177
SNP_P1_39753_19360051	NC_021162.1	Ca_kabuli_chr03	19360051	TT	CC	1940163178
SNP_P1_39754_19360078	NC_021162.1	Ca_kabuli_chr03	19360078	AA	GG	1940163179
SNP_P1_39755_19360153	NC_021162.1	Ca_kabuli_chr03	19360153	GG	TT	1940163180
SNP_P1_39756_19360198	NC_021162.1	Ca_kabuli_chr03	19360198	AA	CC	1940163181
SNP_P1_39757_19360261	NC_021162.1	Ca_kabuli_chr03	19360261	AA	CC	1940163182
SNP_P1_39758_19360816	NC_021162.1	Ca_kabuli_chr03	19360816	AA	GG	1940163183
SNP_P1_39759_19361040	NC_021162.1	Ca_kabuli_chr03	19361040	GG	TT	1940163184
SNP_P1_39760_19361075	NC_021162.1	Ca_kabuli_chr03	19361075	AA	GG	1940163185
SNP_P1_39761_19361143	NC_021162.1	Ca_kabuli_chr03	19361143	CC	TT	1940163186
SNP_P1_39762_19361153	NC_021162.1	Ca_kabuli_chr03	19361153	TT	AA	1940163187
SNP_P1_39763_19361274	NC_021162.1	Ca_kabuli_chr03	19361274	CC	TT	1940163188
SNP_P1_39765_19361361	NC_021162.1	Ca_kabuli_chr03	19361361	GG	AA	1940163189
SNP_P1_39766_19361640	NC_021162.1	Ca_kabuli_chr03	19361640	AA	GG	1940163190
SNP_P1_39767_19361653	NC_021162.1	Ca_kabuli_chr03	19361653	AA	GG	1940163191
SNP_P1_39768_19361968	NC_021162.1	Ca_kabuli_chr03	19361968	TT	AA	1940163192
SNP_P1_39769_19362033	NC_021162.1	Ca_kabuli_chr03	19362033	TT	AA	1940163193
SNP_P1_39770_19362034	NC_021162.1	Ca_kabuli_chr03	19362034	GG	AA	1940163194
SNP_P1_39771_19362035	NC_021162.1	Ca_kabuli_chr03	19362035	CC	AA	1940163195
SNP_P1_39772_19362043	NC_021162.1	Ca_kabuli_chr03	19362043	AA	TT	1940163196
SNP_P1_39773_19362069	NC_021162.1	Ca_kabuli_chr03	19362069	TT	CC	1940163197
SNP_P1_39774_19366628	NC_021162.1	Ca_kabuli_chr03	19366628	TT	CC	1940163198
SNP_P1_39775_19367244	NC_021162.1	Ca_kabuli_chr03	19367244	CC	TT	1940163199
SNP_P1_39776_19367265	NC_021162.1	Ca_kabuli_chr03	19367265	GG	AA	1940163200
SNP_P1_39777_19367432	NC_021162.1	Ca_kabuli_chr03	19367432	GG	AA	1940163201
SNP_P1_39778_19367540	NC_021162.1	Ca_kabuli_chr03	19367540	AA	TT	1940163202
SNP_P1_39779_19367596	NC_021162.1	Ca_kabuli_chr03	19367596	AA	TT	1940163203
SNP_P1_39780_19367688	NC_021162.1	Ca_kabuli_chr03	19367688	AA	TT	1940163204
SNP_P1_39781_19367756	NC_021162.1	Ca_kabuli_chr03	19367756	TT	CC	1940163205
SNP_P1_39782_19367815	NC_021162.1	Ca_kabuli_chr03	19367815	CC	AA	1940163206
SNP_P1_39784_19367904	NC_021162.1	Ca_kabuli_chr03	19367904	CC	AA	1940163207
SNP_P1_39785_19367941	NC_021162.1	Ca_kabuli_chr03	19367941	CC	TT	1940163208
SNP_P1_39786_19368046	NC_021162.1	Ca_kabuli_chr03	19368046	AA	CC	1940163209
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SNP_P1_39789_19368460	NC_021162.1	Ca_kabuli_chr03	19368460	CC	AA	1940163211
SNP_P1_39790_19368514	NC_021162.1	Ca_kabuli_chr03	19368514	AA	TT	1940163212
SNP_P1_39791_19368543	NC_021162.1	Ca_kabuli_chr03	19368543	TT	AA	1940163213
SNP_P1_39793_19368598	NC_021162.1	Ca_kabuli_chr03	19368598	AA	GG	1940163214
SNP_P1_39794_19368881	NC_021162.1	Ca_kabuli_chr03	19368881	TT	AA	1940163215

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_39796_19369150	NC_021162.1	Ca_kabuli_chr03	19369150	TT	GG	1940163217
SNP_P1_39797_19369196	NC_021162.1	Ca_kabuli_chr03	19369196	GG	AA	1940163218
SNP_P1_39798_19369257	NC_021162.1	Ca_kabuli_chr03	19369257	GG	CC	1940163219
SNP_P1_39799_19369312	NC_021162.1	Ca_kabuli_chr03	19369312	AA	TT	1940163220
SNP_P1_39800_19369494	NC_021162.1	Ca_kabuli_chr03	19369494	TT	CC	1940163221
SNP_P1_39801_19369587	NC_021162.1	Ca_kabuli_chr03	19369587	CC	TT	1940163222
SNP_P1_39802_19369590	NC_021162.1	Ca_kabuli_chr03	19369590	AA	CC	1940163223
SNP_P1_39803_19369627	NC_021162.1	Ca_kabuli_chr03	19369627	AA	GG	1940163224
SNP_P1_39804_19370429	NC_021162.1	Ca_kabuli_chr03	19370429	AA	CC	1940163225
SNP_P1_39805_19370503	NC_021162.1	Ca_kabuli_chr03	19370503	TT	AA	1940163226
SNP_P1_39806_19370827	NC_021162.1	Ca_kabuli_chr03	19370827	GG	AA	1940163227
SNP_P1_39807_19370857	NC_021162.1	Ca_kabuli_chr03	19370857	GG	TT	1940163228
SNP_P1_39809_19372850	NC_021162.1	Ca_kabuli_chr03	19372850	GG	AA	1940163229
SNP_P1_39810_19372913	NC_021162.1	Ca_kabuli_chr03	19372913	GG	AA	1940163230
SNP_P1_39811_19373146	NC_021162.1	Ca_kabuli_chr03	19373146	TT	CC	1940163231
SNP_P1_39812_19373237	NC_021162.1	Ca_kabuli_chr03	19373237	AA	TT	1940163232
SNP_P1_39813_19373371	NC_021162.1	Ca_kabuli_chr03	19373371	TT	AA	1940163233
SNP_P1_39814_19373419	NC_021162.1	Ca_kabuli_chr03	19373419	TT	CC	1940163234
SNP_P1_39815_19373446	NC_021162.1	Ca_kabuli_chr03	19373446	CC	GG	1940163235
SNP_P1_39816_19373527	NC_021162.1	Ca_kabuli_chr03	19373527	AA	TT	1940163236
SNP_P1_39817_19373558	NC_021162.1	Ca_kabuli_chr03	19373558	GG	AA	1940163237
SNP_P1_39818_19373579	NC_021162.1	Ca_kabuli_chr03	19373579	CC	TT	1940163238
SNP_P1_39819_19373625	NC_021162.1	Ca_kabuli_chr03	19373625	CC	AA	1940163239
SNP_P1_39820_19373629	NC_021162.1	Ca_kabuli_chr03	19373629	TT	CC	1940163240
SNP_P1_39822_19373968	NC_021162.1	Ca_kabuli_chr03	19373968	AA	GG	1940163241
SNP_P1_39823_19374000	NC_021162.1	Ca_kabuli_chr03	19374000	AA	TT	1940163242
SNP_P1_39824_19374012	NC_021162.1	Ca_kabuli_chr03	19374012	TT	CC	1940163243
SNP_P1_39825_19374013	NC_021162.1	Ca_kabuli_chr03	19374013	TT	CC	1940163244
SNP_P1_39826_19374024	NC_021162.1	Ca_kabuli_chr03	19374024	GG	TT	1940163245
SNP_P1_39827_19374038	NC_021162.1	Ca_kabuli_chr03	19374038	AA	CC	1940163246
SNP_P1_39828_19374046	NC_021162.1	Ca_kabuli_chr03	19374046	AA	TT	1940163247
SNP_P1_39829_19374051	NC_021162.1	Ca_kabuli_chr03	19374051	CC	TT	1940163248
SNP_P1_39830_19374066	NC_021162.1	Ca_kabuli_chr03	19374066	GG	AA	1940163249
SNP_P1_39831_19374102	NC_021162.1	Ca_kabuli_chr03	19374102	TT	AA	1940163250
SNP_P1_39832_19374150	NC_021162.1	Ca_kabuli_chr03	19374150	TT	CC	1940163251
SNP_P1_39833_19374352	NC_021162.1	Ca_kabuli_chr03	19374352	GG	TT	1940163252
SNP_P1_39834_19374538	NC_021162.1	Ca_kabuli_chr03	19374538	CC	AA	1940163254
SNP_P1_39835_19374558	NC_021162.1	Ca_kabuli_chr03	19374558	CC	TT	1940163255
SNP_P1_39836_19374606	NC_021162.1	Ca_kabuli_chr03	19374606	CC	TT	1940163256
SNP_P1_39837_19374611	NC_021162.1	Ca_kabuli_chr03	19374611	TT	GG	1940163257
SNP_P1_39838_19374638	NC_021162.1	Ca_kabuli_chr03	19374638	TT	GG	1940163258
SNP_P1_39839_19374732	NC_021162.1	Ca_kabuli_chr03	19374732	CC	GG	1940163259

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39842_19375191	NC_021162.1	Ca_kabuli_chr03	19375191	AA	CC	1940163261
SNP_P1_39843_19375219	NC_021162.1	Ca_kabuli_chr03	19375219	TT	AA	1940163262
SNP_P1_39844_19375236	NC_021162.1	Ca_kabuli_chr03	19375236	GG	AA	1940163263
SNP_P1_39845_19375292	NC_021162.1	Ca_kabuli_chr03	19375292	CC	TT	1940163264
SNP_P1_39846_19375495	NC_021162.1	Ca_kabuli_chr03	19375495	TT	CC	1940163265
SNP_P1_39847_19375505	NC_021162.1	Ca_kabuli_chr03	19375505	TT	GG	1940163266
SNP_P1_39848_19375539	NC_021162.1	Ca_kabuli_chr03	19375539	AA	GG	1940163267
SNP_P1_39850_19376104	NC_021162.1	Ca_kabuli_chr03	19376104	CC	AA	1940163268
SNP_P1_39851_19376166	NC_021162.1	Ca_kabuli_chr03	19376166	TT	GG	1940163269
SNP_P1_39852_19376201	NC_021162.1	Ca_kabuli_chr03	19376201	CC	TT	1940163270
SNP_P1_39853_19376255	NC_021162.1	Ca_kabuli_chr03	19376255	CC	TT	1940163271
SNP_P1_39854_19376296	NC_021162.1	Ca_kabuli_chr03	19376296	GG	AA	1940163272
SNP_P1_39855_19376356	NC_021162.1	Ca_kabuli_chr03	19376356	CC	TT	1940163273
SNP_P1_39856_19376443	NC_021162.1	Ca_kabuli_chr03	19376443	GG	TT	1940163274
SNP_P1_39857_19376495	NC_021162.1	Ca_kabuli_chr03	19376495	TT	CC	1940163275
SNP_P1_39858_19376528	NC_021162.1	Ca_kabuli_chr03	19376528	TT	CC	1940163276
SNP_P1_39859_19376562	NC_021162.1	Ca_kabuli_chr03	19376562	AA	GG	1940163277
SNP_P1_39860_19376579	NC_021162.1	Ca_kabuli_chr03	19376579	AA	GG	1940163278
SNP_P1_39861_19376603	NC_021162.1	Ca_kabuli_chr03	19376603	TT	AA	1940163279
SNP_P1_39864_19379659	NC_021162.1	Ca_kabuli_chr03	19379659	GG	TT	1940163280
SNP_P1_39865_19379913	NC_021162.1	Ca_kabuli_chr03	19379913	GG	AA	1940163281
SNP_P1_39866_19379958	NC_021162.1	Ca_kabuli_chr03	19379958	TT	CC	1940163282
SNP_P1_39867_19380292	NC_021162.1	Ca_kabuli_chr03	19380292	CC	TT	1940163283
SNP_P1_39868_19380371	NC_021162.1	Ca_kabuli_chr03	19380371	CC	TT	1940163284
SNP_P1_39869_19380434	NC_021162.1	Ca_kabuli_chr03	19380434	TT	GG	1940163285
SNP_P1_39870_19380490	NC_021162.1	Ca_kabuli_chr03	19380490	GG	AA	1940163286
SNP_P1_39871_19380514	NC_021162.1	Ca_kabuli_chr03	19380514	CC	TT	1940163287
SNP_P1_39872_19380519	NC_021162.1	Ca_kabuli_chr03	19380519	TT	CC	1940163288
SNP_P1_39873_19380582	NC_021162.1	Ca_kabuli_chr03	19380582	TT	CC	1940163289
SNP_P1_39874_19380625	NC_021162.1	Ca_kabuli_chr03	19380625	GG	AA	1940163290
SNP_P1_39875_19380659	NC_021162.1	Ca_kabuli_chr03	19380659	TT	CC	1940163291
SNP_P1_39876_19380721	NC_021162.1	Ca_kabuli_chr03	19380721	TT	CC	1940163292
SNP_P1_39877_19380769	NC_021162.1	Ca_kabuli_chr03	19380769	TT	CC	1940163293
SNP_P1_39878_19380799	NC_021162.1	Ca_kabuli_chr03	19380799	TT	CC	1940163294
SNP_P1_39879_19380962	NC_021162.1	Ca_kabuli_chr03	19380962	GG	TT	1940163295
SNP_P1_39880_19380966	NC_021162.1	Ca_kabuli_chr03	19380966	TT	CC	1940163296
SNP_P1_39881_19381019	NC_021162.1	Ca_kabuli_chr03	19381019	GG	AA	1940163297
SNP_P1_39882_19381034	NC_021162.1	Ca_kabuli_chr03	19381034	TT	AA	1940163298
SNP_P1_39883_19381107	NC_021162.1	Ca_kabuli_chr03	19381107	GG	AA	1940163299
SNP_P1_39884_19381139	NC_021162.1	Ca_kabuli_chr03	19381139	GG	AA	1940163300
SNP_P1_39885_19381306	NC_021162.1	Ca_kabuli_chr03	19381306	CC	TT	1940163301

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39887_19381365	NC_021162.1	Ca_kabuli_chr03	19381365	TT	CC	1940163303
SNP_P1_39888_19381428	NC_021162.1	Ca_kabuli_chr03	19381428	CC	TT	1940163304
SNP_P1_39889_19381453	NC_021162.1	Ca_kabuli_chr03	19381453	TT	GG	1940163305
SNP_P1_39891_19381591	NC_021162.1	Ca_kabuli_chr03	19381591	AA	CC	1940163306
SNP_P1_39892_19381592	NC_021162.1	Ca_kabuli_chr03	19381592	TT	AA	1940163308
SNP_P1_39893_19381634	NC_021162.1	Ca_kabuli_chr03	19381634	CC	AA	1940163309
SNP_P1_39894_19381656	NC_021162.1	Ca_kabuli_chr03	19381656	AA	GG	1940163310
SNP_P1_39895_19381665	NC_021162.1	Ca_kabuli_chr03	19381665	AA	GG	1940163311
SNP_P1_39896_19381719	NC_021162.1	Ca_kabuli_chr03	19381719	TT	GG	1940163312
SNP_P1_39897_19381727	NC_021162.1	Ca_kabuli_chr03	19381727	AA	GG	1940163313
SNP_P1_39898_19381739	NC_021162.1	Ca_kabuli_chr03	19381739	TT	CC	1940163314
SNP_P1_39899_19381787	NC_021162.1	Ca_kabuli_chr03	19381787	GG	AA	1940163315
SNP_P1_39900_19381804	NC_021162.1	Ca_kabuli_chr03	19381804	TT	CC	1940163316
SNP_P1_39901_19381839	NC_021162.1	Ca_kabuli_chr03	19381839	CC	AA	1940163317
SNP_P1_39902_19381894	NC_021162.1	Ca_kabuli_chr03	19381894	AA	CC	1940163318
SNP_P1_39903_19381919	NC_021162.1	Ca_kabuli_chr03	19381919	CC	TT	1940163319
SNP_P1_39904_19381999	NC_021162.1	Ca_kabuli_chr03	19381999	TT	CC	1940163320
SNP_P1_39905_19382001	NC_021162.1	Ca_kabuli_chr03	19382001	AA	GG	1940163321
SNP_P1_39906_19382008	NC_021162.1	Ca_kabuli_chr03	19382008	CC	AA	1940163322
SNP_P1_39907_19382076	NC_021162.1	Ca_kabuli_chr03	19382076	TT	CC	1940163323
SNP_P1_39908_19382126	NC_021162.1	Ca_kabuli_chr03	19382126	GG	CC	1940163324
SNP_P1_39909_19382140	NC_021162.1	Ca_kabuli_chr03	19382140	GG	AA	1940163325
SNP_P1_39910_19382193	NC_021162.1	Ca_kabuli_chr03	19382193	TT	CC	1940163326
SNP_P1_39911_19382254	NC_021162.1	Ca_kabuli_chr03	19382254	GG	AA	1940163327
SNP_P1_39912_19382269	NC_021162.1	Ca_kabuli_chr03	19382269	GG	AA	1940163328
SNP_P1_39913_19382324	NC_021162.1	Ca_kabuli_chr03	19382324	GG	AA	1940163329
SNP_P1_39914_19382328	NC_021162.1	Ca_kabuli_chr03	19382328	AA	GG	1940163330
SNP_P1_39915_19382329	NC_021162.1	Ca_kabuli_chr03	19382329	CC	TT	1940163331
SNP_P1_39916_19382458	NC_021162.1	Ca_kabuli_chr03	19382458	TT	GG	1940163332
SNP_P1_39917_19382480	NC_021162.1	Ca_kabuli_chr03	19382480	TT	GG	1940163333
SNP_P1_39918_19382500	NC_021162.1	Ca_kabuli_chr03	19382500	TT	GG	1940163334
SNP_P1_39919_19382512	NC_021162.1	Ca_kabuli_chr03	19382512	CC	TT	1940163335
SNP_P1_39920_19382558	NC_021162.1	Ca_kabuli_chr03	19382558	GG	CC	1940163336
SNP_P1_39921_19382559	NC_021162.1	Ca_kabuli_chr03	19382559	GG	TT	1940163337
SNP_P1_39922_19382563	NC_021162.1	Ca_kabuli_chr03	19382563	GG	AA	1940163338
SNP_P1_39923_19382597	NC_021162.1	Ca_kabuli_chr03	19382597	TT	CC	1940163339
SNP_P1_39924_19382751	NC_021162.1	Ca_kabuli_chr03	19382751	CC	TT	1940163340
SNP_P1_39925_19382759	NC_021162.1	Ca_kabuli_chr03	19382759	TT	AA	1940163341
SNP_P1_39926_19382808	NC_021162.1	Ca_kabuli_chr03	19382808	GG	TT	1940163342
SNP_P1_39928_19383352	NC_021162.1	Ca_kabuli_chr03	19383352	AA	TT	1940163343
SNP_P1_39929_19383376	NC_021162.1	Ca_kabuli_chr03	19383376	GG	AA	1940163344

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39931_19383555	NC_021162.1	Ca_kabuli_chr03	19383555	CC	TT	1940163347
SNP_P1_39932_19383593	NC_021162.1	Ca_kabuli_chr03	19383593	GG	AA	1940163348
SNP_P1_39933_19383608	NC_021162.1	Ca_kabuli_chr03	19383608	CC	TT	1940163349
SNP_P1_39934_19383698	NC_021162.1	Ca_kabuli_chr03	19383698	AA	CC	1940163350
SNP_P1_39935_19383714	NC_021162.1	Ca_kabuli_chr03	19383714	GG	AA	1940163351
SNP_P1_39936_19383772	NC_021162.1	Ca_kabuli_chr03	19383772	CC	TT	1940163352
SNP_P1_39938_19384022	NC_021162.1	Ca_kabuli_chr03	19384022	GG	AA	1940163353
SNP_P1_39939_19384055	NC_021162.1	Ca_kabuli_chr03	19384055	AA	GG	1940163354
SNP_P1_39940_19384089	NC_021162.1	Ca_kabuli_chr03	19384089	AA	GG	1940163355
SNP_P1_39941_19384093	NC_021162.1	Ca_kabuli_chr03	19384093	CC	TT	1940163356
SNP_P1_39942_19384108	NC_021162.1	Ca_kabuli_chr03	19384108	AA	CC	1940163357
SNP_P1_39943_19384125	NC_021162.1	Ca_kabuli_chr03	19384125	GG	AA	1940163358
SNP_P1_39944_19384126	NC_021162.1	Ca_kabuli_chr03	19384126	GG	AA	1940163359
SNP_P1_39945_19384794	NC_021162.1	Ca_kabuli_chr03	19384794	AA	TT	1940163360
SNP_P1_39946_19384915	NC_021162.1	Ca_kabuli_chr03	19384915	AA	GG	1940163361
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SNP_P1_39948_19385079	NC_021162.1	Ca_kabuli_chr03	19385079	AA	GG	1940163363
SNP_P1_39949_19385144	NC_021162.1	Ca_kabuli_chr03	19385144	CC	AA	1940163364
SNP_P1_39950_19385147	NC_021162.1	Ca_kabuli_chr03	19385147	CC	TT	1940163365
SNP_P1_39951_19385179	NC_021162.1	Ca_kabuli_chr03	19385179	AA	GG	1940163366
SNP_P1_39952_19385271	NC_021162.1	Ca_kabuli_chr03	19385271	TT	CC	1940163367
SNP_P1_39953_19385318	NC_021162.1	Ca_kabuli_chr03	19385318	AA	GG	1940163368
SNP_P1_39954_19385371	NC_021162.1	Ca_kabuli_chr03	19385371	GG	AA	1940163369
SNP_P1_39955_19385519	NC_021162.1	Ca_kabuli_chr03	19385519	TT	CC	1940163370
SNP_P1_39956_19385526	NC_021162.1	Ca_kabuli_chr03	19385526	CC	TT	1940163371
SNP_P1_39957_19385570	NC_021162.1	Ca_kabuli_chr03	19385570	AA	TT	1940163372
SNP_P1_39958_19385609	NC_021162.1	Ca_kabuli_chr03	19385609	TT	CC	1940163373
SNP_P1_39959_19385618	NC_021162.1	Ca_kabuli_chr03	19385618	TT	AA	1940163374
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SNP_P1_39961_19385650	NC_021162.1	Ca_kabuli_chr03	19385650	AA	GG	1940163376
SNP_P1_39962_19385655	NC_021162.1	Ca_kabuli_chr03	19385655	CC	TT	1940163377
SNP_P1_39963_19385753	NC_021162.1	Ca_kabuli_chr03	19385753	TT	CC	1940163378
SNP_P1_39964_19385808	NC_021162.1	Ca_kabuli_chr03	19385808	GG	CC	1940163379
SNP_P1_39965_19385936	NC_021162.1	Ca_kabuli_chr03	19385936	AA	GG	1940163380
SNP_P1_39966_19385937	NC_021162.1	Ca_kabuli_chr03	19385937	AA	GG	1940163381
SNP_P1_39967_19385972	NC_021162.1	Ca_kabuli_chr03	19385972	GG	AA	1940163382
SNP_P1_39968_19385976	NC_021162.1	Ca_kabuli_chr03	19385976	GG	AA	1940163383
SNP_P1_39969_19385982	NC_021162.1	Ca_kabuli_chr03	19385982	AA	GG	1940163384
SNP_P1_39970_19386061	NC_021162.1	Ca_kabuli_chr03	19386061	AA	GG	1940163385
SNP_P1_39971_19386096	NC_021162.1	Ca_kabuli_chr03	19386096	GG	AA	1940163386
SNP_P1_39972_19386105	NC_021162.1	Ca_kabuli_chr03	19386105	GG	CC	1940163387

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_39974_19386243	NC_021162.1	Ca_kabuli_chr03	19386243	TT	CC	1940163389
SNP_P1_39975_19386256	NC_021162.1	Ca_kabuli_chr03	19386256	AA	TT	1940163390
SNP_P1_39977_19389449	NC_021162.1	Ca_kabuli_chr03	19389449	TT	CC	1940163391
SNP_P1_39979_19402911	NC_021162.1	Ca_kabuli_chr03	19402911	GG	TT	1940163392
SNP_P1_39980_19402926	NC_021162.1	Ca_kabuli_chr03	19402926	TT	CC	1940163393
SNP_P1_39981_19402946	NC_021162.1	Ca_kabuli_chr03	19402946	AA	CC	1940163394
SNP_P1_39982_19402952	NC_021162.1	Ca_kabuli_chr03	19402952	TT	CC	1940163395
SNP_P1_39983_19402975	NC_021162.1	Ca_kabuli_chr03	19402975	AA	GG	1940163396
SNP_P1_39984_19402981	NC_021162.1	Ca_kabuli_chr03	19402981	AA	GG	1940163397
SNP_P1_39985_19452875	NC_021162.1	Ca_kabuli_chr03	19452875	TT	CC	1940163399
SNP_P1_39986_19452892	NC_021162.1	Ca_kabuli_chr03	19452892	TT	CC	1940163400
SNP_P1_39987_19452910	NC_021162.1	Ca_kabuli_chr03	19452910	CC	AA	1940163401
SNP_P1_39988_19452913	NC_021162.1	Ca_kabuli_chr03	19452913	GG	TT	1940163402
SNP_P1_39989_19452934	NC_021162.1	Ca_kabuli_chr03	19452934	CC	GG	1940163403
SNP_P1_39990_19452969	NC_021162.1	Ca_kabuli_chr03	19452969	AA	GG	1940163404
SNP_P1_39991_19452970	NC_021162.1	Ca_kabuli_chr03	19452970	CC	TT	1940163405
SNP_P1_39992_19452981	NC_021162.1	Ca_kabuli_chr03	19452981	AA	CC	1940163406
SNP_P1_39993_19452985	NC_021162.1	Ca_kabuli_chr03	19452985	GG	TT	1940163407
SNP_P1_39994_19453319	NC_021162.1	Ca_kabuli_chr03	19453319	AA	GG	1940163408
SNP_P1_39995_19485970	NC_021162.1	Ca_kabuli_chr03	19485970	TT	AA	1940163409
SNP_P1_39996_19486748	NC_021162.1	Ca_kabuli_chr03	19486748	TT	CC	1940163410
SNP_P1_39997_19487961	NC_021162.1	Ca_kabuli_chr03	19487961	GG	AA	1940163411
SNP_P1_39998_19492691	NC_021162.1	Ca_kabuli_chr03	19492691	TT	AA	1940163412
SNP_P1_39999_19492692	NC_021162.1	Ca_kabuli_chr03	19492692	TT	AA	1940163413
SNP_P1_40000_19494405	NC_021162.1	Ca_kabuli_chr03	19494405	AA	CC	1940163414
SNP_P1_40002_19499398	NC_021162.1	Ca_kabuli_chr03	19499398	AA	GG	1940163415
SNP_P1_40003_19499405	NC_021162.1	Ca_kabuli_chr03	19499405	TT	GG	1940163416
SNP_P1_40004_19499408	NC_021162.1	Ca_kabuli_chr03	19499408	CC	GG	1940163417
SNP_P1_40005_19530074	NC_021162.1	Ca_kabuli_chr03	19530074	AA	GG	1940163418
SNP_P1_40006_19533100	NC_021162.1	Ca_kabuli_chr03	19533100	GG	AA	1940163419
SNP_P1_40007_19545659	NC_021162.1	Ca_kabuli_chr03	19545659	CC	TT	1940163420
SNP_P1_40008_19545847	NC_021162.1	Ca_kabuli_chr03	19545847	AA	CC	1940163421
SNP_P1_40009_19556597	NC_021162.1	Ca_kabuli_chr03	19556597	TT	CC	1940163422
SNP_P1_40010_19556633	NC_021162.1	Ca_kabuli_chr03	19556633	GG	AA	1940163423
SNP_P1_40012_19608773	NC_021162.1	Ca_kabuli_chr03	19608773	AA	CC	1940163424
SNP_P1_40013_19608808	NC_021162.1	Ca_kabuli_chr03	19608808	TT	GG	1940163425
SNP_P1_40014_19634111	NC_021162.1	Ca_kabuli_chr03	19634111	AA	CC	1940163426
SNP_P1_40015_19634128	NC_021162.1	Ca_kabuli_chr03	19634128	AA	TT	1940163427
SNP_P1_40016_19634370	NC_021162.1	Ca_kabuli_chr03	19634370	CC	TT	1940163428
SNP_P1_40018_19639561	NC_021162.1	Ca_kabuli_chr03	19639561	TT	CC	1940163429
SNP_P1_40019_19639939	NC_021162.1	Ca_kabuli_chr03	19639939	GG	AA	1940163430

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40021_19639989	NC_021162.1	Ca_kabuli_chr03	19639989	TT	GG	1940163432
SNP_P1_40022_19639992	NC_021162.1	Ca_kabuli_chr03	19639992	AA	TT	1940163433
SNP_P1_40023_19643050	NC_021162.1	Ca_kabuli_chr03	19643050	GG	CC	1940163435
SNP_P1_40024_19643082	NC_021162.1	Ca_kabuli_chr03	19643082	GG	AA	1940163436
SNP_P1_40025_19643348	NC_021162.1	Ca_kabuli_chr03	19643348	AA	TT	1940163437
SNP_P1_40027_19646572	NC_021162.1	Ca_kabuli_chr03	19646572	AA	GG	1940163438
SNP_P1_40028_19646916	NC_021162.1	Ca_kabuli_chr03	19646916	CC	TT	1940163439
SNP_P1_40029_19646992	NC_021162.1	Ca_kabuli_chr03	19646992	TT	CC	1940163440
SNP_P1_40030_19646994	NC_021162.1	Ca_kabuli_chr03	19646994	AA	TT	1940163441
SNP_P1_40031_19656248	NC_021162.1	Ca_kabuli_chr03	19656248	TT	AA	1940163442
SNP_P1_40032_19656296	NC_021162.1	Ca_kabuli_chr03	19656296	GG	CC	1940163443
SNP_P1_40033_19669894	NC_021162.1	Ca_kabuli_chr03	19669894	TT	AA	1940163444
SNP_P1_40034_19684026	NC_021162.1	Ca_kabuli_chr03	19684026	CC	TT	1940163445
SNP_P1_40035_19686998	NC_021162.1	Ca_kabuli_chr03	19686998	CC	AA	1940163446
SNP_P1_40036_19687054	NC_021162.1	Ca_kabuli_chr03	19687054	CC	AA	1940163447
SNP_P1_40037_19687100	NC_021162.1	Ca_kabuli_chr03	19687100	TT	CC	1940163448
SNP_P1_40038_19687325	NC_021162.1	Ca_kabuli_chr03	19687325	GG	AA	1940163449
SNP_P1_40039_19687341	NC_021162.1	Ca_kabuli_chr03	19687341	AA	GG	1940163450
SNP_P1_40040_19688555	NC_021162.1	Ca_kabuli_chr03	19688555	GG	AA	1940163451
SNP_P1_40041_19688647	NC_021162.1	Ca_kabuli_chr03	19688647	AA	GG	1940163452
SNP_P1_40042_19688719	NC_021162.1	Ca_kabuli_chr03	19688719	GG	AA	1940163453
SNP_P1_40043_19688733	NC_021162.1	Ca_kabuli_chr03	19688733	CC	TT	1940163454
SNP_P1_40044_19688748	NC_021162.1	Ca_kabuli_chr03	19688748	GG	AA	1940163455
SNP_P1_40045_19702398	NC_021162.1	Ca_kabuli_chr03	19702398	AA	TT	1940163456
SNP_P1_40046_19702417	NC_021162.1	Ca_kabuli_chr03	19702417	GG	TT	1940163457
SNP_P1_40047_19709580	NC_021162.1	Ca_kabuli_chr03	19709580	AA	TT	1940163458
SNP_P1_40048_19735115	NC_021162.1	Ca_kabuli_chr03	19735115	CC	AA	1940163459
SNP_P1_40049_19740292	NC_021162.1	Ca_kabuli_chr03	19740292	GG	AA	1940163460
SNP_P1_40050_19740917	NC_021162.1	Ca_kabuli_chr03	19740917	CC	AA	1940163461
SNP_P1_40051_19742599	NC_021162.1	Ca_kabuli_chr03	19742599	TT	AA	1940163462
SNP_P1_40052_19742796	NC_021162.1	Ca_kabuli_chr03	19742796	GG	AA	1940163463
SNP_P1_40053_19771899	NC_021162.1	Ca_kabuli_chr03	19771899	TT	CC	1940163464
SNP_P1_40054_19772149	NC_021162.1	Ca_kabuli_chr03	19772149	AA	CC	1940163465
SNP_P1_40055_19832600	NC_021162.1	Ca_kabuli_chr03	19832600	CC	TT	1940163466
SNP_P1_40056_19835964	NC_021162.1	Ca_kabuli_chr03	19835964	TT	CC	1940163467
SNP_P1_40057_19835966	NC_021162.1	Ca_kabuli_chr03	19835966	GG	TT	1940163468
SNP_P1_40058_19840799	NC_021162.1	Ca_kabuli_chr03	19840799	CC	TT	1940163469
SNP_P1_40060_19894799	NC_021162.1	Ca_kabuli_chr03	19894799	AA	GG	1940163470
SNP_P1_40061_19897205	NC_021162.1	Ca_kabuli_chr03	19897205	CC	TT	1940163471
SNP_P1_40062_19897251	NC_021162.1	Ca_kabuli_chr03	19897251	TT	GG	1940163473
SNP_P1_40063_19897252	NC_021162.1	Ca_kabuli_chr03	19897252	CC	GG	1940163474

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_40064_19897277	NC_021162.1	Ca_kabuli_chr03	19897277	CC	AA	1940163475
SNP_P1_40065_19897385	NC_021162.1	Ca_kabuli_chr03	19897385	AA	GG	1940163476
SNP_P1_40066_19897398	NC_021162.1	Ca_kabuli_chr03	19897398	CC	GG	1940163477
SNP_P1_40067_19897511	NC_021162.1	Ca_kabuli_chr03	19897511	TT	CC	1940163478
SNP_P1_40068_19897524	NC_021162.1	Ca_kabuli_chr03	19897524	GG	AA	1940163479
SNP_P1_40069_19898375	NC_021162.1	Ca_kabuli_chr03	19898375	AA	CC	1940163480
SNP_P1_40070_19908670	NC_021162.1	Ca_kabuli_chr03	19908670	AA	TT	1940163481
SNP_P1_40071_19916976	NC_021162.1	Ca_kabuli_chr03	19916976	AA	TT	1940163482
SNP_P1_40072_19922978	NC_021162.1	Ca_kabuli_chr03	19922978	AA	TT	1940163483
SNP_P1_40073_19934179	NC_021162.1	Ca_kabuli_chr03	19934179	GG	TT	1940163484
SNP_P1_40074_19934183	NC_021162.1	Ca_kabuli_chr03	19934183	TT	AA	1940163485
SNP_P1_40075_19934211	NC_021162.1	Ca_kabuli_chr03	19934211	AA	GG	1940163486
SNP_P1_40076_19959224	NC_021162.1	Ca_kabuli_chr03	19959224	GG	AA	1940163487
SNP_P1_40077_19960101	NC_021162.1	Ca_kabuli_chr03	19960101	AA	GG	1940163488
SNP_P1_40078_19960108	NC_021162.1	Ca_kabuli_chr03	19960108	GG	AA	1940163489
SNP_P1_40079_19960124	NC_021162.1	Ca_kabuli_chr03	19960124	GG	AA	1940163490
SNP_P1_40080_19960175	NC_021162.1	Ca_kabuli_chr03	19960175	GG	AA	1940163491
SNP_P1_40081_19960182	NC_021162.1	Ca_kabuli_chr03	19960182	GG	AA	1940163492
SNP_P1_40082_19960239	NC_021162.1	Ca_kabuli_chr03	19960239	AA	CC	1940163493
SNP_P1_40083_19960333	NC_021162.1	Ca_kabuli_chr03	19960333	AA	TT	1940163494
SNP_P1_40084_19961010	NC_021162.1	Ca_kabuli_chr03	19961010	CC	TT	1940163495
SNP_P1_40085_19961016	NC_021162.1	Ca_kabuli_chr03	19961016	AA	CC	1940163496
SNP_P1_40086_19964171	NC_021162.1	Ca_kabuli_chr03	19964171	GG	TT	1940163497
SNP_P1_40087_19965121	NC_021162.1	Ca_kabuli_chr03	19965121	TT	CC	1940163498
SNP_P1_40088_19965123	NC_021162.1	Ca_kabuli_chr03	19965123	AA	GG	1940163499
SNP_P1_40089_19965189	NC_021162.1	Ca_kabuli_chr03	19965189	AA	GG	1940163500
SNP_P1_40090_19965226	NC_021162.1	Ca_kabuli_chr03	19965226	AA	GG	1940163501
SNP_P1_40091_19967565	NC_021162.1	Ca_kabuli_chr03	19967565	AA	GG	1940163502
SNP_P1_40092_19967771	NC_021162.1	Ca_kabuli_chr03	19967771	TT	CC	1940163503
SNP_P1_40093_19967773	NC_021162.1	Ca_kabuli_chr03	19967773	AA	GG	1940163504
SNP_P1_40094_19967843	NC_021162.1	Ca_kabuli_chr03	19967843	TT	CC	1940163505
SNP_P1_40095_19967948	NC_021162.1	Ca_kabuli_chr03	19967948	GG	TT	1940163506
SNP_P1_40096_19967963	NC_021162.1	Ca_kabuli_chr03	19967963	TT	CC	1940163507
SNP_P1_40097_19968053	NC_021162.1	Ca_kabuli_chr03	19968053	AA	TT	1940163508
SNP_P1_40098_19968170	NC_021162.1	Ca_kabuli_chr03	19968170	CC	TT	1940163509
SNP_P1_40099_19968197	NC_021162.1	Ca_kabuli_chr03	19968197	AA	GG	1940163510
SNP_P1_40100_19969699	NC_021162.1	Ca_kabuli_chr03	19969699	CC	TT	1940163511
SNP_P1_40102_19970387	NC_021162.1	Ca_kabuli_chr03	19970387	CC	GG	1940163512
SNP_P1_40103_19984768	NC_021162.1	Ca_kabuli_chr03	19984768	AA	TT	1940163513
SNP_P1_40104_19986859	NC_021162.1	Ca_kabuli_chr03	19986859	AA	TT	1940163515
SNP_P1_40106_19993982	NC_021162.1	Ca_kabuli_chr03	19993982	AA	GG	1940163516
SNP_P1_40107_19994000	NC_021162.1	Ca_kabuli_chr03	19994000	AA	TT	1940163517

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_40108_19994048	NC_021162.1	Ca_kabuli_chr03	19994048	GG	CC	1940163518
SNP_P1_40109_19994126	NC_021162.1	Ca_kabuli_chr03	19994126	AA	GG	1940163519
SNP_P1_40110_19994168	NC_021162.1	Ca_kabuli_chr03	19994168	CC	AA	1940163520
SNP_P1_40111_19994170	NC_021162.1	Ca_kabuli_chr03	19994170	AA	GG	1940163521
SNP_P1_40112_19994297	NC_021162.1	Ca_kabuli_chr03	19994297	CC	TT	1940163522
SNP_P1_40113_19994301	NC_021162.1	Ca_kabuli_chr03	19994301	CC	TT	1940163523
SNP_P1_40114_19994352	NC_021162.1	Ca_kabuli_chr03	19994352	AA	GG	1940163524
SNP_P1_40115_19997829	NC_021162.1	Ca_kabuli_chr03	19997829	CC	TT	1940163525
SNP_P1_40116_19997872	NC_021162.1	Ca_kabuli_chr03	19997872	GG	AA	1940163526
SNP_P1_40117_20000257	NC_021162.1	Ca_kabuli_chr03	20000257	TT	AA	1940163527
SNP_P1_40121_20011615	NC_021162.1	Ca_kabuli_chr03	20011615	GG	AA	1940163528
SNP_P1_40122_20011676	NC_021162.1	Ca_kabuli_chr03	20011676	GG	TT	1940163529
SNP_P1_40123_20011718	NC_021162.1	Ca_kabuli_chr03	20011718	GG	AA	1940163530
SNP_P1_40124_20011742	NC_021162.1	Ca_kabuli_chr03	20011742	CC	TT	1940163531
SNP_P1_40125_20011933	NC_021162.1	Ca_kabuli_chr03	20011933	CC	TT	1940163532
SNP_P1_40126_20012040	NC_021162.1	Ca_kabuli_chr03	20012040	CC	TT	1940163533
SNP_P1_40127_20012067	NC_021162.1	Ca_kabuli_chr03	20012067	CC	TT	1940163534
SNP_P1_40128_20012109	NC_021162.1	Ca_kabuli_chr03	20012109	GG	AA	1940163535
SNP_P1_40129_20012171	NC_021162.1	Ca_kabuli_chr03	20012171	GG	AA	1940163536
SNP_P1_40130_20012191	NC_021162.1	Ca_kabuli_chr03	20012191	TT	CC	1940163537
SNP_P1_40131_20012193	NC_021162.1	Ca_kabuli_chr03	20012193	GG	AA	1940163538
SNP_P1_40132_20012233	NC_021162.1	Ca_kabuli_chr03	20012233	GG	AA	1940163539
SNP_P1_40134_20015830	NC_021162.1	Ca_kabuli_chr03	20015830	GG	AA	1940163540
SNP_P1_40135_20019818	NC_021162.1	Ca_kabuli_chr03	20019818	GG	AA	1940163541
SNP_P1_40138_20075274	NC_021162.1	Ca_kabuli_chr03	20075274	AA	GG	1940163542
SNP_P1_40139_20075277	NC_021162.1	Ca_kabuli_chr03	20075277	AA	GG	1940163543
SNP_P1_40140_20081473	NC_021162.1	Ca_kabuli_chr03	20081473	GG	AA	1940163544
SNP_P1_40141_20113544	NC_021162.1	Ca_kabuli_chr03	20113544	CC	TT	1940163545
SNP_P1_40142_20113558	NC_021162.1	Ca_kabuli_chr03	20113558	TT	GG	1940163546
SNP_P1_40143_20113668	NC_021162.1	Ca_kabuli_chr03	20113668	GG	AA	1940163547
SNP_P1_40144_20113672	NC_021162.1	Ca_kabuli_chr03	20113672	GG	TT	1940163548
SNP_P1_40146_20125144	NC_021162.1	Ca_kabuli_chr03	20125144	AA	GG	1940163549
SNP_P1_40147_20152887	NC_021162.1	Ca_kabuli_chr03	20152887	TT	CC	1940163550
SNP_P1_40148_20162167	NC_021162.1	Ca_kabuli_chr03	20162167	TT	AA	1940163551
SNP_P1_40149_20193082	NC_021162.1	Ca_kabuli_chr03	20193082	TT	CC	1940163552
SNP_P1_40150_20222130	NC_021162.1	Ca_kabuli_chr03	20222130	GG	TT	1940163553
SNP_P1_40151_20222189	NC_021162.1	Ca_kabuli_chr03	20222189	CC	TT	1940163554
SNP_P1_40152_20222547	NC_021162.1	Ca_kabuli_chr03	20222547	AA	GG	1940163555
SNP_P1_40153_20232380	NC_021162.1	Ca_kabuli_chr03	20232380	TT	AA	1940163556
SNP_P1_40154_20256090	NC_021162.1	Ca_kabuli_chr03	20256090	TT	AA	1940163557
SNP_P1_40155_20256109	NC_021162.1	Ca_kabuli_chr03	20256109	AA	CC	1940163558
SNP_P1_40157_20258270	NC_021162.1	Ca_kabuli_chr03	20258270	TT	CC	1940163560

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40159_20258317	NC_021162.1	Ca_kabuli_chr03	20258317	AA	GG	1940163562
SNP_P1_40160_20258551	NC_021162.1	Ca_kabuli_chr03	20258551	TT	GG	1940163563
SNP_P1_40161_20258573	NC_021162.1	Ca_kabuli_chr03	20258573	AA	CC	1940163564
SNP_P1_40162_20258600	NC_021162.1	Ca_kabuli_chr03	20258600	GG	AA	1940163565
SNP_P1_40163_20273974	NC_021162.1	Ca_kabuli_chr03	20273974	CC	TT	1940163566
SNP_P1_40164_20290513	NC_021162.1	Ca_kabuli_chr03	20290513	TT	CC	1940163567
SNP_P1_40165_20295589	NC_021162.1	Ca_kabuli_chr03	20295589	TT	CC	1940163568
SNP_P1_40167_20305435	NC_021162.1	Ca_kabuli_chr03	20305435	GG	CC	1940163569
SNP_P1_40170_20322389	NC_021162.1	Ca_kabuli_chr03	20322389	CC	TT	1940163570
SNP_P1_40171_20322392	NC_021162.1	Ca_kabuli_chr03	20322392	GG	TT	1940163571
SNP_P1_40172_20323846	NC_021162.1	Ca_kabuli_chr03	20323846	GG	AA	1940163572
SNP_P1_40173_20323960	NC_021162.1	Ca_kabuli_chr03	20323960	TT	AA	1940163573
SNP_P1_40174_20323993	NC_021162.1	Ca_kabuli_chr03	20323993	AA	GG	1940163574
SNP_P1_40175_20324152	NC_021162.1	Ca_kabuli_chr03	20324152	CC	AA	1940163575
SNP_P1_40176_20324219	NC_021162.1	Ca_kabuli_chr03	20324219	AA	CC	1940163576
SNP_P1_40177_20324232	NC_021162.1	Ca_kabuli_chr03	20324232	TT	CC	1940163577
SNP_P1_40178_20324254	NC_021162.1	Ca_kabuli_chr03	20324254	AA	GG	1940163578
SNP_P1_40179_20324276	NC_021162.1	Ca_kabuli_chr03	20324276	AA	CC	1940163579
SNP_P1_40181_20337555	NC_021162.1	Ca_kabuli_chr03	20337555	TT	AA	1940163580
SNP_P1_40182_20337567	NC_021162.1	Ca_kabuli_chr03	20337567	CC	TT	1940163581
SNP_P1_40183_20337573	NC_021162.1	Ca_kabuli_chr03	20337573	GG	AA	1940163582
SNP_P1_40184_20337575	NC_021162.1	Ca_kabuli_chr03	20337575	TT	CC	1940163583
SNP_P1_40185_20337582	NC_021162.1	Ca_kabuli_chr03	20337582	CC	TT	1940163584
SNP_P1_40186_20339344	NC_021162.1	Ca_kabuli_chr03	20339344	AA	CC	1940163585
SNP_P1_40187_20339414	NC_021162.1	Ca_kabuli_chr03	20339414	AA	GG	1940163586
SNP_P1_40188_20351473	NC_021162.1	Ca_kabuli_chr03	20351473	GG	TT	1940163587
SNP_P1_40189_20360433	NC_021162.1	Ca_kabuli_chr03	20360433	CC	TT	1940163588
SNP_P1_40190_20361905	NC_021162.1	Ca_kabuli_chr03	20361905	GG	CC	1940163589
SNP_P1_40191_20424957	NC_021162.1	Ca_kabuli_chr03	20424957	GG	AA	1940163590
SNP_P1_40192_20428639	NC_021162.1	Ca_kabuli_chr03	20428639	GG	AA	1940163591
SNP_P1_40193_20429182	NC_021162.1	Ca_kabuli_chr03	20429182	TT	AA	1940163592
SNP_P1_40194_20429394	NC_021162.1	Ca_kabuli_chr03	20429394	GG	AA	1940163593
SNP_P1_40195_20433736	NC_021162.1	Ca_kabuli_chr03	20433736	CC	TT	1940163594
SNP_P1_40197_20436687	NC_021162.1	Ca_kabuli_chr03	20436687	CC	TT	1940163595
SNP_P1_40198_20436728	NC_021162.1	Ca_kabuli_chr03	20436728	TT	CC	1940163596
SNP_P1_40199_20436737	NC_021162.1	Ca_kabuli_chr03	20436737	CC	TT	1940163597
SNP_P1_40200_20438634	NC_021162.1	Ca_kabuli_chr03	20438634	TT	CC	1940163598
SNP_P1_40201_20438950	NC_021162.1	Ca_kabuli_chr03	20438950	CC	TT	1940163599
SNP_P1_40202_20439004	NC_021162.1	Ca_kabuli_chr03	20439004	GG	TT	1940163600
SNP_P1_40203_20439013	NC_021162.1	Ca_kabuli_chr03	20439013	AA	TT	1940163601
SNP_P1_40204_20439091	NC_021162.1	Ca_kabuli_chr03	20439091	AA	CC	1940163602

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40206_20445028	NC_021162.1	Ca_kabuli_chr03	20445028	GG	AA	1940163604
SNP_P1_40209_20475994	NC_021162.1	Ca_kabuli_chr03	20475994	GG	AA	1940163605
SNP_P1_40210_20484349	NC_021162.1	Ca_kabuli_chr03	20484349	TT	CC	1940163606
SNP_P1_40211_20487967	NC_021162.1	Ca_kabuli_chr03	20487967	AA	CC	1940163607
SNP_P1_40212_20487986	NC_021162.1	Ca_kabuli_chr03	20487986	AA	GG	1940163608
SNP_P1_40213_20487994	NC_021162.1	Ca_kabuli_chr03	20487994	GG	AA	1940163609
SNP_P1_40214_20487998	NC_021162.1	Ca_kabuli_chr03	20487998	TT	AA	1940163611
SNP_P1_40215_20488171	NC_021162.1	Ca_kabuli_chr03	20488171	TT	GG	1940163612
SNP_P1_40216_20488175	NC_021162.1	Ca_kabuli_chr03	20488175	AA	GG	1940163613
SNP_P1_40217_20488194	NC_021162.1	Ca_kabuli_chr03	20488194	AA	GG	1940163614
SNP_P1_40218_20488196	NC_021162.1	Ca_kabuli_chr03	20488196	AA	GG	1940163615
SNP_P1_40219_20488373	NC_021162.1	Ca_kabuli_chr03	20488373	GG	TT	1940163616
SNP_P1_40220_20518831	NC_021162.1	Ca_kabuli_chr03	20518831	CC	TT	1940163617
SNP_P1_40221_20518833	NC_021162.1	Ca_kabuli_chr03	20518833	TT	AA	1940163618
SNP_P1_40222_20519141	NC_021162.1	Ca_kabuli_chr03	20519141	TT	AA	1940163619
SNP_P1_40224_20526424	NC_021162.1	Ca_kabuli_chr03	20526424	TT	AA	1940163620
SNP_P1_40226_20537454	NC_021162.1	Ca_kabuli_chr03	20537454	AA	CC	1940163621
SNP_P1_40227_20537506	NC_021162.1	Ca_kabuli_chr03	20537506	AA	GG	1940163622
SNP_P1_40228_20568989	NC_021162.1	Ca_kabuli_chr03	20568989	CC	AA	1940163623
SNP_P1_40229_20583223	NC_021162.1	Ca_kabuli_chr03	20583223	CC	TT	1940163624
SNP_P1_40231_20616410	NC_021162.1	Ca_kabuli_chr03	20616410	CC	TT	1940163625
SNP_P1_40233_20618997	NC_021162.1	Ca_kabuli_chr03	20618997	TT	CC	1940163626
SNP_P1_40234_20620342	NC_021162.1	Ca_kabuli_chr03	20620342	CC	TT	1940163627
SNP_P1_40235_20620903	NC_021162.1	Ca_kabuli_chr03	20620903	GG	AA	1940163628
SNP_P1_40236_20621232	NC_021162.1	Ca_kabuli_chr03	20621232	TT	AA	1940163629
SNP_P1_40237_20621269	NC_021162.1	Ca_kabuli_chr03	20621269	GG	CC	1940163630
SNP_P1_40238_20632398	NC_021162.1	Ca_kabuli_chr03	20632398	GG	CC	1940163631
SNP_P1_40239_20641616	NC_021162.1	Ca_kabuli_chr03	20641616	CC	TT	1940163632
SNP_P1_40240_20641624	NC_021162.1	Ca_kabuli_chr03	20641624	GG	AA	1940163633
SNP_P1_40241_20666100	NC_021162.1	Ca_kabuli_chr03	20666100	GG	AA	1940163634
SNP_P1_40242_20695551	NC_021162.1	Ca_kabuli_chr03	20695551	CC	AA	1940163635
SNP_P1_40244_20696874	NC_021162.1	Ca_kabuli_chr03	20696874	GG	AA	1940163636
SNP_P1_40245_20696878	NC_021162.1	Ca_kabuli_chr03	20696878	AA	TT	1940163637
SNP_P1_40246_20698903	NC_021162.1	Ca_kabuli_chr03	20698903	GG	AA	1940163638
SNP_P1_40247_20698911	NC_021162.1	Ca_kabuli_chr03	20698911	AA	GG	1940163639
SNP_P1_40248_20701170	NC_021162.1	Ca_kabuli_chr03	20701170	AA	GG	1940163640
SNP_P1_40250_20728620	NC_021162.1	Ca_kabuli_chr03	20728620	AA	GG	1940163641
SNP_P1_40251_20728629	NC_021162.1	Ca_kabuli_chr03	20728629	GG	AA	1940163642
SNP_P1_40252_20729129	NC_021162.1	Ca_kabuli_chr03	20729129	GG	CC	1940163643
SNP_P1_40253_20730641	NC_021162.1	Ca_kabuli_chr03	20730641	GG	AA	1940163644
SNP_P1_40254_20730663	NC_021162.1	Ca_kabuli_chr03	20730663	CC	TT	1940163645

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40256_20730724	NC_021162.1	Ca_kabuli_chr03	20730724	TT	GG	1940163647
SNP_P1_40257_20730734	NC_021162.1	Ca_kabuli_chr03	20730734	CC	TT	1940163648
SNP_P1_40258_20731027	NC_021162.1	Ca_kabuli_chr03	20731027	CC	TT	1940163649
SNP_P1_40259_20731316	NC_021162.1	Ca_kabuli_chr03	20731316	GG	TT	1940163650
SNP_P1_40260_20738510	NC_021162.1	Ca_kabuli_chr03	20738510	AA	CC	1940163651
SNP_P1_40261_20738578	NC_021162.1	Ca_kabuli_chr03	20738578	TT	CC	1940163652
SNP_P1_40262_20738789	NC_021162.1	Ca_kabuli_chr03	20738789	CC	TT	1940163653
SNP_P1_40263_20738820	NC_021162.1	Ca_kabuli_chr03	20738820	CC	TT	1940163654
SNP_P1_40264_20743839	NC_021162.1	Ca_kabuli_chr03	20743839	GG	AA	1940163655
SNP_P1_40265_20744018	NC_021162.1	Ca_kabuli_chr03	20744018	TT	CC	1940163656
SNP_P1_40266_20744087	NC_021162.1	Ca_kabuli_chr03	20744087	CC	TT	1940163657
SNP_P1_40267_20744226	NC_021162.1	Ca_kabuli_chr03	20744226	AA	GG	1940163658
SNP_P1_40268_20744433	NC_021162.1	Ca_kabuli_chr03	20744433	AA	GG	1940163659
SNP_P1_40269_20744515	NC_021162.1	Ca_kabuli_chr03	20744515	AA	TT	1940163661
SNP_P1_40270_20744525	NC_021162.1	Ca_kabuli_chr03	20744525	GG	AA	1940163662
SNP_P1_40271_20744536	NC_021162.1	Ca_kabuli_chr03	20744536	GG	AA	1940163663
SNP_P1_40272_20744550	NC_021162.1	Ca_kabuli_chr03	20744550	GG	CC	1940163664
SNP_P1_40273_20744564	NC_021162.1	Ca_kabuli_chr03	20744564	CC	TT	1940163665
SNP_P1_40275_20773721	NC_021162.1	Ca_kabuli_chr03	20773721	AA	GG	1940163666
SNP_P1_40276_20793067	NC_021162.1	Ca_kabuli_chr03	20793067	GG	AA	1940163667
SNP_P1_40277_20826696	NC_021162.1	Ca_kabuli_chr03	20826696	AA	CC	1940163668
SNP_P1_40278_20847880	NC_021162.1	Ca_kabuli_chr03	20847880	TT	GG	1940163669
SNP_P1_40280_20896548	NC_021162.1	Ca_kabuli_chr03	20896548	AA	CC	1940163670
SNP_P1_40281_20896581	NC_021162.1	Ca_kabuli_chr03	20896581	GG	AA	1940163671
SNP_P1_40282_20896604	NC_021162.1	Ca_kabuli_chr03	20896604	AA	TT	1940163672
SNP_P1_40283_20896610	NC_021162.1	Ca_kabuli_chr03	20896610	TT	AA	1940163673
SNP_P1_40284_20896619	NC_021162.1	Ca_kabuli_chr03	20896619	CC	TT	1940163674
SNP_P1_40285_20896932	NC_021162.1	Ca_kabuli_chr03	20896932	AA	CC	1940163675
SNP_P1_40286_20899410	NC_021162.1	Ca_kabuli_chr03	20899410	AA	GG	1940163676
SNP_P1_40287_20899436	NC_021162.1	Ca_kabuli_chr03	20899436	TT	CC	1940163677
SNP_P1_40288_20902283	NC_021162.1	Ca_kabuli_chr03	20902283	TT	CC	1940163678
SNP_P1_40289_20902338	NC_021162.1	Ca_kabuli_chr03	20902338	CC	TT	1940163679
SNP_P1_40290_20913600	NC_021162.1	Ca_kabuli_chr03	20913600	CC	TT	1940163680
SNP_P1_40291_20913615	NC_021162.1	Ca_kabuli_chr03	20913615	CC	TT	1940163681
SNP_P1_40292_20933243	NC_021162.1	Ca_kabuli_chr03	20933243	CC	TT	1940163682
SNP_P1_40293_20933462	NC_021162.1	Ca_kabuli_chr03	20933462	CC	AA	1940163683
SNP_P1_40294_20933472	NC_021162.1	Ca_kabuli_chr03	20933472	AA	CC	1940163684
SNP_P1_40295_20933493	NC_021162.1	Ca_kabuli_chr03	20933493	TT	AA	1940163685
SNP_P1_40296_20933563	NC_021162.1	Ca_kabuli_chr03	20933563	AA	GG	1940163686
SNP_P1_40297_20933572	NC_021162.1	Ca_kabuli_chr03	20933572	CC	GG	1940163687
SNP_P1_40298_20933613	NC_021162.1	Ca_kabuli_chr03	20933613	TT	CC	1940163688

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40300_20933634	NC_021162.1	Ca_kabuli_chr03	20933634	AA	GG	1940163690
SNP_P1_40301_20940587	NC_021162.1	Ca_kabuli_chr03	20940587	CC	TT	1940163691
SNP_P1_40302_20940618	NC_021162.1	Ca_kabuli_chr03	20940618	CC	GG	1940163692
SNP_P1_40303_20945310	NC_021162.1	Ca_kabuli_chr03	20945310	GG	AA	1940163693
SNP_P1_40304_20947300	NC_021162.1	Ca_kabuli_chr03	20947300	AA	GG	1940163694
SNP_P1_40306_20951796	NC_021162.1	Ca_kabuli_chr03	20951796	AA	TT	1940163695
SNP_P1_40309_20970480	NC_021162.1	Ca_kabuli_chr03	20970480	CC	GG	1940163696
SNP_P1_40310_20970483	NC_021162.1	Ca_kabuli_chr03	20970483	AA	TT	1940163697
SNP_P1_40313_20997416	NC_021162.1	Ca_kabuli_chr03	20997416	AA	GG	1940163699
SNP_P1_40314_21002764	NC_021162.1	Ca_kabuli_chr03	21002764	CC	TT	1940163700
SNP_P1_40315_21010514	NC_021162.1	Ca_kabuli_chr03	21010514	AA	GG	1940163701
SNP_P1_40316_21010520	NC_021162.1	Ca_kabuli_chr03	21010520	TT	CC	1940163702
SNP_P1_40317_21012448	NC_021162.1	Ca_kabuli_chr03	21012448	AA	CC	1940163703
SNP_P1_40318_21012514	NC_021162.1	Ca_kabuli_chr03	21012514	CC	TT	1940163704
SNP_P1_40319_21012569	NC_021162.1	Ca_kabuli_chr03	21012569	TT	CC	1940163705
SNP_P1_40320_21012925	NC_021162.1	Ca_kabuli_chr03	21012925	GG	AA	1940163706
SNP_P1_40321_21025611	NC_021162.1	Ca_kabuli_chr03	21025611	TT	CC	1940163707
SNP_P1_40322_21025615	NC_021162.1	Ca_kabuli_chr03	21025615	CC	AA	1940163708
SNP_P1_40324_21037408	NC_021162.1	Ca_kabuli_chr03	21037408	GG	AA	1940163709
SNP_P1_40325_21048925	NC_021162.1	Ca_kabuli_chr03	21048925	TT	GG	1940163710
SNP_P1_40326_21060357	NC_021162.1	Ca_kabuli_chr03	21060357	AA	CC	1940163711
SNP_P1_40327_21060358	NC_021162.1	Ca_kabuli_chr03	21060358	CC	AA	1940163712
SNP_P1_40328_21063108	NC_021162.1	Ca_kabuli_chr03	21063108	TT	CC	1940163713
SNP_P1_40329_21063775	NC_021162.1	Ca_kabuli_chr03	21063775	CC	TT	1940163714
SNP_P1_40330_21066514	NC_021162.1	Ca_kabuli_chr03	21066514	AA	GG	1940163715
SNP_P1_40331_21066521	NC_021162.1	Ca_kabuli_chr03	21066521	AA	CC	1940163716
SNP_P1_40332_21066535	NC_021162.1	Ca_kabuli_chr03	21066535	AA	GG	1940163717
SNP_P1_40333_21066541	NC_021162.1	Ca_kabuli_chr03	21066541	AA	GG	1940163718
SNP_P1_40334_21066960	NC_021162.1	Ca_kabuli_chr03	21066960	CC	TT	1940163719
SNP_P1_40335_21066962	NC_021162.1	Ca_kabuli_chr03	21066962	AA	GG	1940163720
SNP_P1_40336_21068831	NC_021162.1	Ca_kabuli_chr03	21068831	AA	GG	1940163721
SNP_P1_40337_21068834	NC_021162.1	Ca_kabuli_chr03	21068834	AA	GG	1940163722
SNP_P1_40338_21068846	NC_021162.1	Ca_kabuli_chr03	21068846	GG	CC	1940163723
SNP_P1_40339_21069019	NC_021162.1	Ca_kabuli_chr03	21069019	TT	AA	1940163724
SNP_P1_40340_21069041	NC_021162.1	Ca_kabuli_chr03	21069041	TT	CC	1940163725
SNP_P1_40341_21087095	NC_021162.1	Ca_kabuli_chr03	21087095	AA	GG	1940163726
SNP_P1_40342_21094760	NC_021162.1	Ca_kabuli_chr03	21094760	AA	TT	1940163727
SNP_P1_40344_21104635	NC_021162.1	Ca_kabuli_chr03	21104635	CC	TT	1940163728
SNP_P1_40345_21104676	NC_021162.1	Ca_kabuli_chr03	21104676	AA	TT	1940163729
SNP_P1_40347_21130826	NC_021162.1	Ca_kabuli_chr03	21130826	GG	AA	1940163730
SNP_P1_40348_21140031	NC_021162.1	Ca_kabuli_chr03	21140031	TT	AA	1940163731

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40350_21141723	NC_021162.1	Ca_kabuli_chr03	21141723	AA	TT	1940163734
SNP_P1_40351_21182746	NC_021162.1	Ca_kabuli_chr03	21182746	CC	TT	1940163735
SNP_P1_40353_21186311	NC_021162.1	Ca_kabuli_chr03	21186311	CC	AA	1940163736
SNP_P1_40354_21186380	NC_021162.1	Ca_kabuli_chr03	21186380	AA	TT	1940163737
SNP_P1_40355_21186394	NC_021162.1	Ca_kabuli_chr03	21186394	GG	AA	1940163738
SNP_P1_40356_21186689	NC_021162.1	Ca_kabuli_chr03	21186689	TT	CC	1940163739
SNP_P1_40357_21186782	NC_021162.1	Ca_kabuli_chr03	21186782	TT	GG	1940163740
SNP_P1_40358_21186822	NC_021162.1	Ca_kabuli_chr03	21186822	TT	AA	1940163741
SNP_P1_40359_21186823	NC_021162.1	Ca_kabuli_chr03	21186823	TT	CC	1940163742
SNP_P1_40360_21194443	NC_021162.1	Ca_kabuli_chr03	21194443	AA	GG	1940163743
SNP_P1_40363_21211688	NC_021162.1	Ca_kabuli_chr03	21211688	TT	CC	1940163744
SNP_P1_40364_21212069	NC_021162.1	Ca_kabuli_chr03	21212069	AA	GG	1940163745
SNP_P1_40365_21226996	NC_021162.1	Ca_kabuli_chr03	21226996	CC	TT	1940163746
SNP_P1_40367_21243912	NC_021162.1	Ca_kabuli_chr03	21243912	TT	CC	1940163747
SNP_P1_40369_21298961	NC_021162.1	Ca_kabuli_chr03	21298961	CC	TT	1940163748
SNP_P1_40370_21301117	NC_021162.1	Ca_kabuli_chr03	21301117	AA	GG	1940163749
SNP_P1_40371_21303410	NC_021162.1	Ca_kabuli_chr03	21303410	GG	AA	1940163750
SNP_P1_40374_21321452	NC_021162.1	Ca_kabuli_chr03	21321452	TT	CC	1940163751
SNP_P1_40375_21321455	NC_021162.1	Ca_kabuli_chr03	21321455	TT	CC	1940163752
SNP_P1_40376_21321491	NC_021162.1	Ca_kabuli_chr03	21321491	AA	GG	1940163753
SNP_P1_40377_21321534	NC_021162.1	Ca_kabuli_chr03	21321534	AA	GG	1940163754
SNP_P1_40378_21321712	NC_021162.1	Ca_kabuli_chr03	21321712	CC	TT	1940163755
SNP_P1_40379_21322272	NC_021162.1	Ca_kabuli_chr03	21322272	GG	AA	1940163756
SNP_P1_40380_21323594	NC_021162.1	Ca_kabuli_chr03	21323594	AA	GG	1940163757
SNP_P1_40382_21331362	NC_021162.1	Ca_kabuli_chr03	21331362	CC	TT	1940163758
SNP_P1_40383_21331365	NC_021162.1	Ca_kabuli_chr03	21331365	TT	CC	1940163759
SNP_P1_40384_21331803	NC_021162.1	Ca_kabuli_chr03	21331803	AA	GG	1940163760
SNP_P1_40385_21331835	NC_021162.1	Ca_kabuli_chr03	21331835	AA	CC	1940163761
SNP_P1_40386_21331850	NC_021162.1	Ca_kabuli_chr03	21331850	AA	CC	1940163762
SNP_P1_40387_21331872	NC_021162.1	Ca_kabuli_chr03	21331872	AA	TT	1940163763
SNP_P1_40388_21342313	NC_021162.1	Ca_kabuli_chr03	21342313	GG	AA	1940163764
SNP_P1_40389_21355520	NC_021162.1	Ca_kabuli_chr03	21355520	GG	AA	1940163765
SNP_P1_40391_21356265	NC_021162.1	Ca_kabuli_chr03	21356265	GG	AA	1940163766
SNP_P1_40392_21356341	NC_021162.1	Ca_kabuli_chr03	21356341	AA	GG	1940163767
SNP_P1_40393_21356793	NC_021162.1	Ca_kabuli_chr03	21356793	TT	GG	1940163769
SNP_P1_40394_21357203	NC_021162.1	Ca_kabuli_chr03	21357203	AA	GG	1940163770
SNP_P1_40395_21357464	NC_021162.1	Ca_kabuli_chr03	21357464	TT	CC	1940163771
SNP_P1_40396_21357474	NC_021162.1	Ca_kabuli_chr03	21357474	AA	TT	1940163772
SNP_P1_40397_21357492	NC_021162.1	Ca_kabuli_chr03	21357492	TT	CC	1940163773
SNP_P1_40398_21357528	NC_021162.1	Ca_kabuli_chr03	21357528	AA	GG	1940163774
SNP_P1_40399_21357574	NC_021162.1	Ca_kabuli_chr03	21357574	TT	GG	1940163775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40401_21357589	NC_021162.1	Ca_kabuli_chr03	21357589	AA	GG	1940163777
SNP_P1_40402_21357590	NC_021162.1	Ca_kabuli_chr03	21357590	AA	CC	1940163778
SNP_P1_40403_21397297	NC_021162.1	Ca_kabuli_chr03	21397297	GG	TT	1940163779
SNP_P1_40404_21397433	NC_021162.1	Ca_kabuli_chr03	21397433	TT	CC	1940163780
SNP_P1_40405_21397512	NC_021162.1	Ca_kabuli_chr03	21397512	GG	AA	1940163781
SNP_P1_40406_21397529	NC_021162.1	Ca_kabuli_chr03	21397529	AA	GG	1940163782
SNP_P1_40407_21397587	NC_021162.1	Ca_kabuli_chr03	21397587	CC	TT	1940163783
SNP_P1_40408_21397602	NC_021162.1	Ca_kabuli_chr03	21397602	TT	GG	1940163784
SNP_P1_40409_21397691	NC_021162.1	Ca_kabuli_chr03	21397691	GG	TT	1940163785
SNP_P1_40410_21414002	NC_021162.1	Ca_kabuli_chr03	21414002	CC	TT	1940163786
SNP_P1_40411_21414090	NC_021162.1	Ca_kabuli_chr03	21414090	GG	CC	1940163787
SNP_P1_40412_21414164	NC_021162.1	Ca_kabuli_chr03	21414164	TT	CC	1940163788
SNP_P1_40413_21414225	NC_021162.1	Ca_kabuli_chr03	21414225	GG	CC	1940163789
SNP_P1_40414_21418370	NC_021162.1	Ca_kabuli_chr03	21418370	AA	GG	1940163790
SNP_P1_40415_21419129	NC_021162.1	Ca_kabuli_chr03	21419129	TT	AA	1940163791
SNP_P1_40416_21419152	NC_021162.1	Ca_kabuli_chr03	21419152	GG	TT	1940163792
SNP_P1_40417_21421990	NC_021162.1	Ca_kabuli_chr03	21421990	AA	GG	1940163793
SNP_P1_40418_21422013	NC_021162.1	Ca_kabuli_chr03	21422013	AA	CC	1940163794
SNP_P1_40419_21422060	NC_021162.1	Ca_kabuli_chr03	21422060	TT	AA	1940163795
SNP_P1_40420_21422167	NC_021162.1	Ca_kabuli_chr03	21422167	TT	GG	1940163796
SNP_P1_40421_21422190	NC_021162.1	Ca_kabuli_chr03	21422190	TT	CC	1940163797
SNP_P1_40422_21424517	NC_021162.1	Ca_kabuli_chr03	21424517	CC	TT	1940163798
SNP_P1_40424_21424692	NC_021162.1	Ca_kabuli_chr03	21424692	TT	CC	1940163800
SNP_P1_40425_21426164	NC_021162.1	Ca_kabuli_chr03	21426164	AA	GG	1940163801
SNP_P1_40426_21426166	NC_021162.1	Ca_kabuli_chr03	21426166	TT	GG	1940163802
SNP_P1_40427_21426672	NC_021162.1	Ca_kabuli_chr03	21426672	AA	CC	1940163803
SNP_P1_40430_21482040	NC_021162.1	Ca_kabuli_chr03	21482040	TT	CC	1940163804
SNP_P1_40432_21503989	NC_021162.1	Ca_kabuli_chr03	21503989	GG	AA	1940163805
SNP_P1_40435_21583417	NC_021162.1	Ca_kabuli_chr03	21583417	CC	AA	1940163806
SNP_P1_40436_21583495	NC_021162.1	Ca_kabuli_chr03	21583495	CC	TT	1940163807
SNP_P1_40437_21583604	NC_021162.1	Ca_kabuli_chr03	21583604	AA	TT	1940163808
SNP_P1_40438_21583609	NC_021162.1	Ca_kabuli_chr03	21583609	TT	AA	1940163809
SNP_P1_40439_21583610	NC_021162.1	Ca_kabuli_chr03	21583610	GG	AA	1940163810
SNP_P1_40440_21583629	NC_021162.1	Ca_kabuli_chr03	21583629	AA	TT	1940163811
SNP_P1_40441_21584424	NC_021162.1	Ca_kabuli_chr03	21584424	AA	TT	1940163812
SNP_P1_40444_21617178	NC_021162.1	Ca_kabuli_chr03	21617178	AA	GG	1940163813
SNP_P1_40445_21620251	NC_021162.1	Ca_kabuli_chr03	21620251	AA	GG	1940163814
SNP_P1_40446_21635312	NC_021162.1	Ca_kabuli_chr03	21635312	AA	TT	1940163815
SNP_P1_40447_21635387	NC_021162.1	Ca_kabuli_chr03	21635387	CC	AA	1940163816
SNP_P1_40448_21635388	NC_021162.1	Ca_kabuli_chr03	21635388	AA	TT	1940163817
SNP_P1_40449_21635390	NC_021162.1	Ca_kabuli_chr03	21635390	AA	GG	1940163818

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40451_21635466	NC_021162.1	Ca_kabuli_chr03	21635466	AA	GG	1940163820
SNP_P1_40453_21635661	NC_021162.1	Ca_kabuli_chr03	21635661	GG	TT	1940163822
SNP_P1_40454_21635673	NC_021162.1	Ca_kabuli_chr03	21635673	AA	TT	1940163823
SNP_P1_40455_21635675	NC_021162.1	Ca_kabuli_chr03	21635675	GG	AA	1940163824
SNP_P1_40456_21635688	NC_021162.1	Ca_kabuli_chr03	21635688	AA	GG	1940163825
SNP_P1_40457_21635766	NC_021162.1	Ca_kabuli_chr03	21635766	TT	CC	1940163826
SNP_P1_40458_21635859	NC_021162.1	Ca_kabuli_chr03	21635859	GG	TT	1940163827
SNP_P1_40459_21640816	NC_021162.1	Ca_kabuli_chr03	21640816	TT	CC	1940163828
SNP_P1_40460_21689151	NC_021162.1	Ca_kabuli_chr03	21689151	CC	TT	1940163829
SNP_P1_40461_21699777	NC_021162.1	Ca_kabuli_chr03	21699777	GG	AA	1940163830
SNP_P1_40462_21703557	NC_021162.1	Ca_kabuli_chr03	21703557	TT	CC	1940163831
SNP_P1_40463_21714051	NC_021162.1	Ca_kabuli_chr03	21714051	GG	AA	1940163832
SNP_P1_40465_21765954	NC_021162.1	Ca_kabuli_chr03	21765954	AA	GG	1940163833
SNP_P1_40466_21782040	NC_021162.1	Ca_kabuli_chr03	21782040	AA	CC	1940163834
SNP_P1_40468_21806940	NC_021162.1	Ca_kabuli_chr03	21806940	GG	AA	1940163835
SNP_P1_40469_21855111	NC_021162.1	Ca_kabuli_chr03	21855111	AA	GG	1940163836
SNP_P1_40471_21877588	NC_021162.1	Ca_kabuli_chr03	21877588	AA	GG	1940163837
SNP_P1_40472_21877591	NC_021162.1	Ca_kabuli_chr03	21877591	CC	TT	1940163838
SNP_P1_40473_21881295	NC_021162.1	Ca_kabuli_chr03	21881295	AA	GG	1940163839
SNP_P1_40474_21882390	NC_021162.1	Ca_kabuli_chr03	21882390	TT	CC	1940163840
SNP_P1_40475_21883771	NC_021162.1	Ca_kabuli_chr03	21883771	TT	AA	1940163841
SNP_P1_40476_21883789	NC_021162.1	Ca_kabuli_chr03	21883789	GG	AA	1940163843
SNP_P1_40478_21884622	NC_021162.1	Ca_kabuli_chr03	21884622	GG	AA	1940163844
SNP_P1_40479_21885730	NC_021162.1	Ca_kabuli_chr03	21885730	GG	AA	1940163845
SNP_P1_40480_21885772	NC_021162.1	Ca_kabuli_chr03	21885772	AA	CC	1940163846
SNP_P1_40481_21885775	NC_021162.1	Ca_kabuli_chr03	21885775	AA	GG	1940163847
SNP_P1_40482_21886198	NC_021162.1	Ca_kabuli_chr03	21886198	GG	AA	1940163848
SNP_P1_40483_21887525	NC_021162.1	Ca_kabuli_chr03	21887525	TT	GG	1940163849
SNP_P1_40484_21887559	NC_021162.1	Ca_kabuli_chr03	21887559	GG	AA	1940163850
SNP_P1_40485_21887585	NC_021162.1	Ca_kabuli_chr03	21887585	CC	TT	1940163851
SNP_P1_40486_21887588	NC_021162.1	Ca_kabuli_chr03	21887588	AA	TT	1940163852
SNP_P1_40487_21887592	NC_021162.1	Ca_kabuli_chr03	21887592	TT	CC	1940163853
SNP_P1_40488_21887593	NC_021162.1	Ca_kabuli_chr03	21887593	TT	CC	1940163854
SNP_P1_40489_21887705	NC_021162.1	Ca_kabuli_chr03	21887705	GG	AA	1940163855
SNP_P1_40490_21887759	NC_021162.1	Ca_kabuli_chr03	21887759	AA	GG	1940163856
SNP_P1_40491_21890831	NC_021162.1	Ca_kabuli_chr03	21890831	TT	CC	1940163857
SNP_P1_40492_21891241	NC_021162.1	Ca_kabuli_chr03	21891241	TT	GG	1940163858
SNP_P1_40493_21891642	NC_021162.1	Ca_kabuli_chr03	21891642	TT	CC	1940163859
SNP_P1_40494_21891764	NC_021162.1	Ca_kabuli_chr03	21891764	GG	AA	1940163861
SNP_P1_40495_21891798	NC_021162.1	Ca_kabuli_chr03	21891798	GG	TT	1940163862
SNP_P1_40496_21891850	NC_021162.1	Ca_kabuli_chr03	21891850	GG	AA	1940163863

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40498_21892130	NC_021162.1	Ca_kabuli_chr03	21892130	TT	CC	1940163865
SNP_P1_40499_21892171	NC_021162.1	Ca_kabuli_chr03	21892171	CC	TT	1940163866
SNP_P1_40500_21892329	NC_021162.1	Ca_kabuli_chr03	21892329	GG	AA	1940163867
SNP_P1_40501_21892335	NC_021162.1	Ca_kabuli_chr03	21892335	GG	AA	1940163868
SNP_P1_40502_21892338	NC_021162.1	Ca_kabuli_chr03	21892338	GG	AA	1940163869
SNP_P1_40503_21893042	NC_021162.1	Ca_kabuli_chr03	21893042	AA	GG	1940163870
SNP_P1_40504_21893100	NC_021162.1	Ca_kabuli_chr03	21893100	GG	TT	1940163871
SNP_P1_40505_21893264	NC_021162.1	Ca_kabuli_chr03	21893264	TT	CC	1940163872
SNP_P1_40506_21893398	NC_021162.1	Ca_kabuli_chr03	21893398	AA	GG	1940163873
SNP_P1_40507_21895322	NC_021162.1	Ca_kabuli_chr03	21895322	GG	AA	1940163874
SNP_P1_40508_21895401	NC_021162.1	Ca_kabuli_chr03	21895401	CC	TT	1940163875
SNP_P1_40509_21895446	NC_021162.1	Ca_kabuli_chr03	21895446	GG	AA	1940163876
SNP_P1_40510_21895626	NC_021162.1	Ca_kabuli_chr03	21895626	CC	AA	1940163877
SNP_P1_40511_21895702	NC_021162.1	Ca_kabuli_chr03	21895702	CC	TT	1940163878
SNP_P1_40513_21899661	NC_021162.1	Ca_kabuli_chr03	21899661	GG	AA	1940163879
SNP_P1_40514_21900017	NC_021162.1	Ca_kabuli_chr03	21900017	CC	AA	1940163880
SNP_P1_40515_21903492	NC_021162.1	Ca_kabuli_chr03	21903492	GG	AA	1940163882
SNP_P1_40516_21904319	NC_021162.1	Ca_kabuli_chr03	21904319	AA	GG	1940163883
SNP_P1_40517_21904374	NC_021162.1	Ca_kabuli_chr03	21904374	AA	CC	1940163884
SNP_P1_40519_21913579	NC_021162.1	Ca_kabuli_chr03	21913579	GG	AA	1940163885
SNP_P1_40520_21917852	NC_021162.1	Ca_kabuli_chr03	21917852	TT	CC	1940163886
SNP_P1_40521_21922688	NC_021162.1	Ca_kabuli_chr03	21922688	TT	CC	1940163887
SNP_P1_40522_21923156	NC_021162.1	Ca_kabuli_chr03	21923156	AA	GG	1940163888
SNP_P1_40523_21923158	NC_021162.1	Ca_kabuli_chr03	21923158	AA	TT	1940163889
SNP_P1_40524_21923172	NC_021162.1	Ca_kabuli_chr03	21923172	AA	TT	1940163890
SNP_P1_40525_21936479	NC_021162.1	Ca_kabuli_chr03	21936479	GG	AA	1940163891
SNP_P1_40526_21938152	NC_021162.1	Ca_kabuli_chr03	21938152	GG	AA	1940163892
SNP_P1_40527_21943406	NC_021162.1	Ca_kabuli_chr03	21943406	TT	CC	1940163893
SNP_P1_40528_21954185	NC_021162.1	Ca_kabuli_chr03	21954185	CC	AA	1940163894
SNP_P1_40529_21955470	NC_021162.1	Ca_kabuli_chr03	21955470	TT	AA	1940163895
SNP_P1_40530_21955911	NC_021162.1	Ca_kabuli_chr03	21955911	AA	TT	1940163896
SNP_P1_40532_21985377	NC_021162.1	Ca_kabuli_chr03	21985377	CC	TT	1940163897
SNP_P1_40535_21991350	NC_021162.1	Ca_kabuli_chr03	21991350	CC	AA	1940163898
SNP_P1_40536_22022151	NC_021162.1	Ca_kabuli_chr03	22022151	CC	TT	1940163899
SNP_P1_40539_22070451	NC_021162.1	Ca_kabuli_chr03	22070451	TT	GG	1940163900
SNP_P1_40540_22070475	NC_021162.1	Ca_kabuli_chr03	22070475	AA	TT	1940163901
SNP_P1_40541_22071037	NC_021162.1	Ca_kabuli_chr03	22071037	GG	AA	1940163902
SNP_P1_40542_22125334	NC_021162.1	Ca_kabuli_chr03	22125334	AA	GG	1940163903
SNP_P1_40543_22125361	NC_021162.1	Ca_kabuli_chr03	22125361	TT	CC	1940163904
SNP_P1_40544_22125375	NC_021162.1	Ca_kabuli_chr03	22125375	AA	TT	1940163905
SNP_P1_40545_22125420	NC_021162.1	Ca_kabuli_chr03	22125420	CC	TT	1940163906

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40548_22125782	NC_021162.1	Ca_kabuli_chr03	22125782	TT	CC	1940163908
SNP_P1_40549_22126925	NC_021162.1	Ca_kabuli_chr03	22126925	TT	AA	1940163909
SNP_P1_40550_22130171	NC_021162.1	Ca_kabuli_chr03	22130171	GG	AA	1940163910
SNP_P1_40551_22130178	NC_021162.1	Ca_kabuli_chr03	22130178	AA	GG	1940163911
SNP_P1_40552_22130250	NC_021162.1	Ca_kabuli_chr03	22130250	AA	GG	1940163912
SNP_P1_40553_22130333	NC_021162.1	Ca_kabuli_chr03	22130333	AA	GG	1940163913
SNP_P1_40554_22130334	NC_021162.1	Ca_kabuli_chr03	22130334	AA	GG	1940163914
SNP_P1_40555_22130343	NC_021162.1	Ca_kabuli_chr03	22130343	GG	TT	1940163915
SNP_P1_40556_22130356	NC_021162.1	Ca_kabuli_chr03	22130356	AA	TT	1940163916
SNP_P1_40557_22130466	NC_021162.1	Ca_kabuli_chr03	22130466	GG	AA	1940163917
SNP_P1_40558_22130508	NC_021162.1	Ca_kabuli_chr03	22130508	CC	TT	1940163918
SNP_P1_40559_22130616	NC_021162.1	Ca_kabuli_chr03	22130616	TT	GG	1940163920
SNP_P1_40560_22130661	NC_021162.1	Ca_kabuli_chr03	22130661	GG	AA	1940163921
SNP_P1_40561_22130682	NC_021162.1	Ca_kabuli_chr03	22130682	CC	AA	1940163922
SNP_P1_40562_22130697	NC_021162.1	Ca_kabuli_chr03	22130697	AA	GG	1940163923
SNP_P1_40563_22130712	NC_021162.1	Ca_kabuli_chr03	22130712	AA	GG	1940163924
SNP_P1_40564_22130751	NC_021162.1	Ca_kabuli_chr03	22130751	AA	GG	1940163925
SNP_P1_40565_22135318	NC_021162.1	Ca_kabuli_chr03	22135318	TT	CC	1940163926
SNP_P1_40566_22135350	NC_021162.1	Ca_kabuli_chr03	22135350	CC	TT	1940163927
SNP_P1_40567_22145693	NC_021162.1	Ca_kabuli_chr03	22145693	GG	CC	1940163928
SNP_P1_40568_22152138	NC_021162.1	Ca_kabuli_chr03	22152138	CC	TT	1940163929
SNP_P1_40569_22156670	NC_021162.1	Ca_kabuli_chr03	22156670	TT	CC	1940163930
SNP_P1_40570_22180448	NC_021162.1	Ca_kabuli_chr03	22180448	GG	AA	1940163931
SNP_P1_40572_22257117	NC_021162.1	Ca_kabuli_chr03	22257117	TT	CC	1940163932
SNP_P1_40574_22293593	NC_021162.1	Ca_kabuli_chr03	22293593	CC	AA	1940163933
SNP_P1_40576_22317628	NC_021162.1	Ca_kabuli_chr03	22317628	CC	AA	1940163934
SNP_P1_40577_22324020	NC_021162.1	Ca_kabuli_chr03	22324020	AA	TT	1940163935
SNP_P1_40578_22334597	NC_021162.1	Ca_kabuli_chr03	22334597	CC	GG	1940163936
SNP_P1_40579_22336945	NC_021162.1	Ca_kabuli_chr03	22336945	AA	GG	1940163937
SNP_P1_40580_22343847	NC_021162.1	Ca_kabuli_chr03	22343847	AA	CC	1940163938
SNP_P1_40581_22347449	NC_021162.1	Ca_kabuli_chr03	22347449	AA	CC	1940163939
SNP_P1_40582_22361462	NC_021162.1	Ca_kabuli_chr03	22361462	TT	AA	1940163940
SNP_P1_40584_22377521	NC_021162.1	Ca_kabuli_chr03	22377521	TT	AA	1940163941
SNP_P1_40586_22380041	NC_021162.1	Ca_kabuli_chr03	22380041	AA	CC	1940163942
SNP_P1_40587_22425948	NC_021162.1	Ca_kabuli_chr03	22425948	CC	TT	1940163943
SNP_P1_40588_22425997	NC_021162.1	Ca_kabuli_chr03	22425997	CC	TT	1940163944
SNP_P1_40589_22440116	NC_021162.1	Ca_kabuli_chr03	22440116	AA	TT	1940163945
SNP_P1_40590_22445359	NC_021162.1	Ca_kabuli_chr03	22445359	GG	AA	1940163946
SNP_P1_40592_22478295	NC_021162.1	Ca_kabuli_chr03	22478295	TT	CC	1940163947
SNP_P1_40593_22478296	NC_021162.1	Ca_kabuli_chr03	22478296	AA	GG	1940163948
SNP_P1_40594_22482800	NC_021162.1	Ca_kabuli_chr03	22482800	CC	TT	1940163949

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40597_22499878	NC_021162.1	Ca_kabuli_chr03	22499878	GG	AA	1940163951
SNP_P1_40598_22513928	NC_021162.1	Ca_kabuli_chr03	22513928	GG	TT	1940163952
SNP_P1_40599_22516668	NC_021162.1	Ca_kabuli_chr03	22516668	CC	TT	1940163953
SNP_P1_40600_22538918	NC_021162.1	Ca_kabuli_chr03	22538918	CC	TT	1940163954
SNP_P1_40603_22549903	NC_021162.1	Ca_kabuli_chr03	22549903	GG	TT	1940163955
SNP_P1_40605_22554163	NC_021162.1	Ca_kabuli_chr03	22554163	AA	GG	1940163957
SNP_P1_40606_22554212	NC_021162.1	Ca_kabuli_chr03	22554212	TT	AA	1940163958
SNP_P1_40607_22569112	NC_021162.1	Ca_kabuli_chr03	22569112	TT	GG	1940163959
SNP_P1_40608_22600257	NC_021162.1	Ca_kabuli_chr03	22600257	TT	CC	1940163960
SNP_P1_40609_22621186	NC_021162.1	Ca_kabuli_chr03	22621186	AA	GG	1940163961
SNP_P1_40610_22621733	NC_021162.1	Ca_kabuli_chr03	22621733	GG	AA	1940163962
SNP_P1_40612_22679724	NC_021162.1	Ca_kabuli_chr03	22679724	TT	AA	1940163963
SNP_P1_40613_22687824	NC_021162.1	Ca_kabuli_chr03	22687824	TT	AA	1940163964
SNP_P1_40615_22732591	NC_021162.1	Ca_kabuli_chr03	22732591	CC	TT	1940163965
SNP_P1_40616_22743150	NC_021162.1	Ca_kabuli_chr03	22743150	GG	AA	1940163966
SNP_P1_40618_22757960	NC_021162.1	Ca_kabuli_chr03	22757960	TT	CC	1940163967
SNP_P1_40620_22816332	NC_021162.1	Ca_kabuli_chr03	22816332	TT	CC	1940163968
SNP_P1_40621_22816352	NC_021162.1	Ca_kabuli_chr03	22816352	CC	TT	1940163969
SNP_P1_40622_22816427	NC_021162.1	Ca_kabuli_chr03	22816427	AA	GG	1940163970
SNP_P1_40623_22816757	NC_021162.1	Ca_kabuli_chr03	22816757	TT	CC	1940163971
SNP_P1_40625_22820115	NC_021162.1	Ca_kabuli_chr03	22820115	GG	AA	1940163972
SNP_P1_40626_22821764	NC_021162.1	Ca_kabuli_chr03	22821764	GG	CC	1940163973
SNP_P1_40627_22829910	NC_021162.1	Ca_kabuli_chr03	22829910	GG	AA	1940163974
SNP_P1_40628_22836776	NC_021162.1	Ca_kabuli_chr03	22836776	AA	TT	1940163975
SNP_P1_40629_22836777	NC_021162.1	Ca_kabuli_chr03	22836777	TT	AA	1940163976
SNP_P1_40630_22847888	NC_021162.1	Ca_kabuli_chr03	22847888	AA	TT	1940163977
SNP_P1_40631_22851063	NC_021162.1	Ca_kabuli_chr03	22851063	CC	TT	1940163978
SNP_P1_40632_22852749	NC_021162.1	Ca_kabuli_chr03	22852749	GG	AA	1940163980
SNP_P1_40633_22892280	NC_021162.1	Ca_kabuli_chr03	22892280	GG	AA	1940163981
SNP_P1_40634_22899714	NC_021162.1	Ca_kabuli_chr03	22899714	TT	GG	1940163982
SNP_P1_40635_22911156	NC_021162.1	Ca_kabuli_chr03	22911156	GG	TT	1940163983
SNP_P1_40637_22934274	NC_021162.1	Ca_kabuli_chr03	22934274	TT	AA	1940163984
SNP_P1_40638_22935147	NC_021162.1	Ca_kabuli_chr03	22935147	TT	GG	1940163985
SNP_P1_40639_22935154	NC_021162.1	Ca_kabuli_chr03	22935154	GG	AA	1940163986
SNP_P1_40641_22944106	NC_021162.1	Ca_kabuli_chr03	22944106	TT	AA	1940163987
SNP_P1_40644_22957653	NC_021162.1	Ca_kabuli_chr03	22957653	AA	GG	1940163988
SNP_P1_40645_22960279	NC_021162.1	Ca_kabuli_chr03	22960279	CC	AA	1940163989
SNP_P1_40646_22960288	NC_021162.1	Ca_kabuli_chr03	22960288	GG	AA	1940163990
SNP_P1_40647_22960716	NC_021162.1	Ca_kabuli_chr03	22960716	CC	TT	1940163991
SNP_P1_40648_22960723	NC_021162.1	Ca_kabuli_chr03	22960723	TT	CC	1940163992
SNP_P1_40649_22960729	NC_021162.1	Ca_kabuli_chr03	22960729	GG	AA	1940163993

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40651_22963619	NC_021162.1	Ca_kabuli_chr03	22963619	GG	TT	1940163995
SNP_P1_40652_22964420	NC_021162.1	Ca_kabuli_chr03	22964420	AA	TT	1940163996
SNP_P1_40654_22978506	NC_021162.1	Ca_kabuli_chr03	22978506	TT	CC	1940163997
SNP_P1_40655_22979255	NC_021162.1	Ca_kabuli_chr03	22979255	CC	TT	1940163998
SNP_P1_40656_22996910	NC_021162.1	Ca_kabuli_chr03	22996910	GG	AA	1940163999
SNP_P1_40657_22999646	NC_021162.1	Ca_kabuli_chr03	22999646	TT	AA	1940164000
SNP_P1_40658_23001795	NC_021162.1	Ca_kabuli_chr03	23001795	GG	TT	1940164001
SNP_P1_40660_23012928	NC_021162.1	Ca_kabuli_chr03	23012928	TT	GG	1940164002
SNP_P1_40661_23013246	NC_021162.1	Ca_kabuli_chr03	23013246	AA	TT	1940164003
SNP_P1_40662_23013920	NC_021162.1	Ca_kabuli_chr03	23013920	GG	AA	1940164004
SNP_P1_40663_23014133	NC_021162.1	Ca_kabuli_chr03	23014133	AA	GG	1940164005
SNP_P1_40664_23014136	NC_021162.1	Ca_kabuli_chr03	23014136	GG	TT	1940164006
SNP_P1_40665_23014149	NC_021162.1	Ca_kabuli_chr03	23014149	TT	GG	1940164007
SNP_P1_40666_23014151	NC_021162.1	Ca_kabuli_chr03	23014151	TT	CC	1940164009
SNP_P1_40667_23014152	NC_021162.1	Ca_kabuli_chr03	23014152	GG	AA	1940164010
SNP_P1_40668_23014178	NC_021162.1	Ca_kabuli_chr03	23014178	TT	AA	1940164011
SNP_P1_40669_23014183	NC_021162.1	Ca_kabuli_chr03	23014183	GG	CC	1940164012
SNP_P1_40670_23014193	NC_021162.1	Ca_kabuli_chr03	23014193	GG	AA	1940164013
SNP_P1_40671_23014194	NC_021162.1	Ca_kabuli_chr03	23014194	GG	AA	1940164014
SNP_P1_40673_23016959	NC_021162.1	Ca_kabuli_chr03	23016959	CC	TT	1940164015
SNP_P1_40674_23018703	NC_021162.1	Ca_kabuli_chr03	23018703	CC	AA	1940164016
SNP_P1_40675_23019096	NC_021162.1	Ca_kabuli_chr03	23019096	CC	TT	1940164017
SNP_P1_40676_23019162	NC_021162.1	Ca_kabuli_chr03	23019162	AA	TT	1940164018
SNP_P1_40678_23048130	NC_021162.1	Ca_kabuli_chr03	23048130	TT	CC	1940164019
SNP_P1_40680_23064311	NC_021162.1	Ca_kabuli_chr03	23064311	GG	AA	1940164020
SNP_P1_40681_23101221	NC_021162.1	Ca_kabuli_chr03	23101221	TT	CC	1940164021
SNP_P1_40682_23101244	NC_021162.1	Ca_kabuli_chr03	23101244	AA	GG	1940164022
SNP_P1_40685_23115280	NC_021162.1	Ca_kabuli_chr03	23115280	GG	AA	1940164023
SNP_P1_40686_23115296	NC_021162.1	Ca_kabuli_chr03	23115296	AA	GG	1940164024
SNP_P1_40687_23115308	NC_021162.1	Ca_kabuli_chr03	23115308	GG	AA	1940164025
SNP_P1_40688_23123537	NC_021162.1	Ca_kabuli_chr03	23123537	AA	GG	1940164026
SNP_P1_40689_23130460	NC_021162.1	Ca_kabuli_chr03	23130460	AA	GG	1940164027
SNP_P1_40690_23132419	NC_021162.1	Ca_kabuli_chr03	23132419	GG	AA	1940164028
SNP_P1_40691_23135272	NC_021162.1	Ca_kabuli_chr03	23135272	TT	AA	1940164029
SNP_P1_40692_23135559	NC_021162.1	Ca_kabuli_chr03	23135559	TT	GG	1940164030
SNP_P1_40693_23135638	NC_021162.1	Ca_kabuli_chr03	23135638	TT	AA	1940164031
SNP_P1_40694_23158291	NC_021162.1	Ca_kabuli_chr03	23158291	TT	CC	1940164032
SNP_P1_40695_23158317	NC_021162.1	Ca_kabuli_chr03	23158317	GG	CC	1940164033
SNP_P1_40696_23158321	NC_021162.1	Ca_kabuli_chr03	23158321	TT	CC	1940164034
SNP_P1_40697_23158736	NC_021162.1	Ca_kabuli_chr03	23158736	GG	AA	1940164035
SNP_P1_40698_23186000	NC_021162.1	Ca_kabuli_chr03	23186000	TT	AA	1940164036

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40701_23210404	NC_021162.1	Ca_kabuli_chr03	23210404	CC	TT	1940164038
SNP_P1_40703_23240505	NC_021162.1	Ca_kabuli_chr03	23240505	AA	CC	1940164039
SNP_P1_40704_23240545	NC_021162.1	Ca_kabuli_chr03	23240545	CC	TT	1940164040
SNP_P1_40705_23240885	NC_021162.1	Ca_kabuli_chr03	23240885	TT	CC	1940164042
SNP_P1_40706_23255460	NC_021162.1	Ca_kabuli_chr03	23255460	CC	TT	1940164043
SNP_P1_40707_23261243	NC_021162.1	Ca_kabuli_chr03	23261243	CC	AA	1940164044
SNP_P1_40708_23271401	NC_021162.1	Ca_kabuli_chr03	23271401	GG	TT	1940164045
SNP_P1_40710_23296965	NC_021162.1	Ca_kabuli_chr03	23296965	GG	AA	1940164046
SNP_P1_40711_23297021	NC_021162.1	Ca_kabuli_chr03	23297021	GG	AA	1940164047
SNP_P1_40712_23297124	NC_021162.1	Ca_kabuli_chr03	23297124	AA	GG	1940164048
SNP_P1_40713_23297795	NC_021162.1	Ca_kabuli_chr03	23297795	AA	GG	1940164049
SNP_P1_40714_23305981	NC_021162.1	Ca_kabuli_chr03	23305981	GG	TT	1940164050
SNP_P1_40717_23325576	NC_021162.1	Ca_kabuli_chr03	23325576	AA	GG	1940164051
SNP_P1_40719_23332905	NC_021162.1	Ca_kabuli_chr03	23332905	TT	CC	1940164052
SNP_P1_40720_23379280	NC_021162.1	Ca_kabuli_chr03	23379280	GG	AA	1940164053
SNP_P1_40722_23424409	NC_021162.1	Ca_kabuli_chr03	23424409	TT	GG	1940164054
SNP_P1_40723_23426664	NC_021162.1	Ca_kabuli_chr03	23426664	TT	GG	1940164055
SNP_P1_40724_23432755	NC_021162.1	Ca_kabuli_chr03	23432755	TT	CC	1940164056
SNP_P1_40725_23432891	NC_021162.1	Ca_kabuli_chr03	23432891	CC	GG	1940164057
SNP_P1_40726_23432930	NC_021162.1	Ca_kabuli_chr03	23432930	AA	GG	1940164058
SNP_P1_40727_23432983	NC_021162.1	Ca_kabuli_chr03	23432983	GG	TT	1940164059
SNP_P1_40729_23447858	NC_021162.1	Ca_kabuli_chr03	23447858	CC	GG	1940164060
SNP_P1_40730_23464351	NC_021162.1	Ca_kabuli_chr03	23464351	CC	TT	1940164061
SNP_P1_40732_23497485	NC_021162.1	Ca_kabuli_chr03	23497485	TT	CC	1940164062
SNP_P1_40733_23526146	NC_021162.1	Ca_kabuli_chr03	23526146	CC	TT	1940164063
SNP_P1_40735_23536876	NC_021162.1	Ca_kabuli_chr03	23536876	TT	CC	1940164064
SNP_P1_40738_23558527	NC_021162.1	Ca_kabuli_chr03	23558527	CC	GG	1940164065
SNP_P1_40739_23558545	NC_021162.1	Ca_kabuli_chr03	23558545	TT	GG	1940164066
SNP_P1_40740_23558551	NC_021162.1	Ca_kabuli_chr03	23558551	AA	TT	1940164067
SNP_P1_40741_23562387	NC_021162.1	Ca_kabuli_chr03	23562387	CC	TT	1940164068
SNP_P1_40742_23566035	NC_021162.1	Ca_kabuli_chr03	23566035	TT	AA	1940164069
SNP_P1_40743_23593156	NC_021162.1	Ca_kabuli_chr03	23593156	TT	CC	1940164070
SNP_P1_40744_23595362	NC_021162.1	Ca_kabuli_chr03	23595362	CC	TT	1940164071
SNP_P1_40747_23606300	NC_021162.1	Ca_kabuli_chr03	23606300	AA	GG	1940164072
SNP_P1_40748_23612202	NC_021162.1	Ca_kabuli_chr03	23612202	CC	TT	1940164073
SNP_P1_40749_23613089	NC_021162.1	Ca_kabuli_chr03	23613089	GG	AA	1940164074
SNP_P1_40754_23657840	NC_021162.1	Ca_kabuli_chr03	23657840	CC	TT	1940164075
SNP_P1_40755_23686357	NC_021162.1	Ca_kabuli_chr03	23686357	AA	GG	1940164077
SNP_P1_40756_23689641	NC_021162.1	Ca_kabuli_chr03	23689641	TT	CC	1940164078
SNP_P1_40758_23703274	NC_021162.1	Ca_kabuli_chr03	23703274	AA	GG	1940164079
SNP_P1_40759_23736062	NC_021162.1	Ca_kabuli_chr03	23736062	AA	GG	1940164080

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40761_23738808	NC_021162.1	Ca_kabuli_chr03	23738808	AA	TT	1940164082
SNP_P1_40762_23738820	NC_021162.1	Ca_kabuli_chr03	23738820	AA	TT	1940164083
SNP_P1_40763_23738821	NC_021162.1	Ca_kabuli_chr03	23738821	GG	CC	1940164084
SNP_P1_40764_23738829	NC_021162.1	Ca_kabuli_chr03	23738829	TT	CC	1940164085
SNP_P1_40765_23751881	NC_021162.1	Ca_kabuli_chr03	23751881	AA	GG	1940164086
SNP_P1_40766_23758881	NC_021162.1	Ca_kabuli_chr03	23758881	CC	TT	1940164087
SNP_P1_40768_23761136	NC_021162.1	Ca_kabuli_chr03	23761136	TT	GG	1940164088
SNP_P1_40769_23762873	NC_021162.1	Ca_kabuli_chr03	23762873	AA	GG	1940164089
SNP_P1_40770_23762953	NC_021162.1	Ca_kabuli_chr03	23762953	CC	AA	1940164090
SNP_P1_40771_23762954	NC_021162.1	Ca_kabuli_chr03	23762954	TT	CC	1940164091
SNP_P1_40772_23763310	NC_021162.1	Ca_kabuli_chr03	23763310	AA	GG	1940164092
SNP_P1_40773_23763347	NC_021162.1	Ca_kabuli_chr03	23763347	AA	GG	1940164093
SNP_P1_40774_23763353	NC_021162.1	Ca_kabuli_chr03	23763353	GG	TT	1940164094
SNP_P1_40775_23795665	NC_021162.1	Ca_kabuli_chr03	23795665	AA	CC	1940164095
SNP_P1_40776_23795667	NC_021162.1	Ca_kabuli_chr03	23795667	CC	TT	1940164096
SNP_P1_40777_23795690	NC_021162.1	Ca_kabuli_chr03	23795690	AA	TT	1940164097
SNP_P1_40779_23843426	NC_021162.1	Ca_kabuli_chr03	23843426	TT	CC	1940164098
SNP_P1_40780_23843430	NC_021162.1	Ca_kabuli_chr03	23843430	TT	GG	1940164099
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SNP_P1_40783_23855476	NC_021162.1	Ca_kabuli_chr03	23855476	AA	TT	1940164102
SNP_P1_40784_23857333	NC_021162.1	Ca_kabuli_chr03	23857333	GG	TT	1940164103
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SNP_P1_40786_23868571	NC_021162.1	Ca_kabuli_chr03	23868571	GG	TT	1940164105
SNP_P1_40788_23881381	NC_021162.1	Ca_kabuli_chr03	23881381	TT	GG	1940164106
SNP_P1_40791_23945963	NC_021162.1	Ca_kabuli_chr03	23945963	AA	GG	1940164107
SNP_P1_40792_23946006	NC_021162.1	Ca_kabuli_chr03	23946006	AA	GG	1940164108
SNP_P1_40793_23946041	NC_021162.1	Ca_kabuli_chr03	23946041	TT	AA	1940164109
SNP_P1_40794_23946416	NC_021162.1	Ca_kabuli_chr03	23946416	TT	CC	1940164110
SNP_P1_40795_23948711	NC_021162.1	Ca_kabuli_chr03	23948711	AA	CC	1940164111
SNP_P1_40796_23948970	NC_021162.1	Ca_kabuli_chr03	23948970	AA	CC	1940164112
SNP_P1_40797_23948977	NC_021162.1	Ca_kabuli_chr03	23948977	TT	GG	1940164113
SNP_P1_40798_23949003	NC_021162.1	Ca_kabuli_chr03	23949003	TT	CC	1940164114
SNP_P1_40799_23949010	NC_021162.1	Ca_kabuli_chr03	23949010	GG	AA	1940164115
SNP_P1_40800_23949012	NC_021162.1	Ca_kabuli_chr03	23949012	TT	CC	1940164116
SNP_P1_40801_23949080	NC_021162.1	Ca_kabuli_chr03	23949080	AA	GG	1940164117
SNP_P1_40802_23949191	NC_021162.1	Ca_kabuli_chr03	23949191	AA	GG	1940164118
SNP_P1_40803_23949364	NC_021162.1	Ca_kabuli_chr03	23949364	AA	GG	1940164119
SNP_P1_40804_23949501	NC_021162.1	Ca_kabuli_chr03	23949501	TT	CC	1940164120
SNP_P1_40805_23949503	NC_021162.1	Ca_kabuli_chr03	23949503	TT	CC	1940164122
SNP_P1_40806_23949510	NC_021162.1	Ca_kabuli_chr03	23949510	TT	CC	1940164123

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40810_23949589	NC_021162.1	Ca_kabuli_chr03	23949589	GG	AA	1940164127
SNP_P1_40811_23949813	NC_021162.1	Ca_kabuli_chr03	23949813	CC	TT	1940164128
SNP_P1_40812_23950187	NC_021162.1	Ca_kabuli_chr03	23950187	GG	AA	1940164129
SNP_P1_40814_23975471	NC_021162.1	Ca_kabuli_chr03	23975471	TT	AA	1940164130
SNP_P1_40815_23992612	NC_021162.1	Ca_kabuli_chr03	23992612	AA	GG	1940164131
SNP_P1_40816_23992691	NC_021162.1	Ca_kabuli_chr03	23992691	TT	CC	1940164132
SNP_P1_40817_24010837	NC_021162.1	Ca_kabuli_chr03	24010837	TT	AA	1940164133
SNP_P1_40820_24022311	NC_021162.1	Ca_kabuli_chr03	24022311	AA	TT	1940164134
SNP_P1_40821_24032461	NC_021162.1	Ca_kabuli_chr03	24032461	CC	TT	1940164135
SNP_P1_40823_24052923	NC_021162.1	Ca_kabuli_chr03	24052923	CC	TT	1940164136
SNP_P1_40824_24070105	NC_021162.1	Ca_kabuli_chr03	24070105	TT	CC	1940164137
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SNP_P1_40827_24091049	NC_021162.1	Ca_kabuli_chr03	24091049	TT	CC	1940164139
SNP_P1_40828_24106828	NC_021162.1	Ca_kabuli_chr03	24106828	AA	GG	1940164140
SNP_P1_40829_24112679	NC_021162.1	Ca_kabuli_chr03	24112679	TT	CC	1940164141
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SNP_P1_40832_24130368	NC_021162.1	Ca_kabuli_chr03	24130368	CC	TT	1940164143
SNP_P1_40833_24154059	NC_021162.1	Ca_kabuli_chr03	24154059	TT	GG	1940164144
SNP_P1_40834_24154061	NC_021162.1	Ca_kabuli_chr03	24154061	TT	CC	1940164145
SNP_P1_40836_24160408	NC_021162.1	Ca_kabuli_chr03	24160408	AA	GG	1940164146
SNP_P1_40837_24168024	NC_021162.1	Ca_kabuli_chr03	24168024	GG	TT	1940164147
SNP_P1_40838_24168080	NC_021162.1	Ca_kabuli_chr03	24168080	TT	CC	1940164148
SNP_P1_40839_24168090	NC_021162.1	Ca_kabuli_chr03	24168090	GG	TT	1940164149
SNP_P1_40840_24174652	NC_021162.1	Ca_kabuli_chr03	24174652	TT	CC	1940164150
SNP_P1_40841_24174698	NC_021162.1	Ca_kabuli_chr03	24174698	TT	GG	1940164151
SNP_P1_40842_24174727	NC_021162.1	Ca_kabuli_chr03	24174727	AA	GG	1940164152
SNP_P1_40843_24174758	NC_021162.1	Ca_kabuli_chr03	24174758	AA	TT	1940164153
SNP_P1_40844_24174765	NC_021162.1	Ca_kabuli_chr03	24174765	TT	CC	1940164154
SNP_P1_40845_24174893	NC_021162.1	Ca_kabuli_chr03	24174893	TT	CC	1940164155
SNP_P1_40846_24175300	NC_021162.1	Ca_kabuli_chr03	24175300	GG	AA	1940164156
SNP_P1_40847_24177255	NC_021162.1	Ca_kabuli_chr03	24177255	CC	TT	1940164157
SNP_P1_40848_24177428	NC_021162.1	Ca_kabuli_chr03	24177428	GG	AA	1940164158
SNP_P1_40849_24177505	NC_021162.1	Ca_kabuli_chr03	24177505	TT	GG	1940164159
SNP_P1_40850_24186540	NC_021162.1	Ca_kabuli_chr03	24186540	TT	GG	1940164160
SNP_P1_40851_24187063	NC_021162.1	Ca_kabuli_chr03	24187063	GG	AA	1940164161
SNP_P1_40852_24187072	NC_021162.1	Ca_kabuli_chr03	24187072	AA	GG	1940164163
SNP_P1_40853_24187116	NC_021162.1	Ca_kabuli_chr03	24187116	CC	GG	1940164164
SNP_P1_40854_24187129	NC_021162.1	Ca_kabuli_chr03	24187129	CC	AA	1940164165
SNP_P1_40855_24187264	NC_021162.1	Ca_kabuli_chr03	24187264	CC	TT	1940164166

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40857_24187421	NC_021162.1	Ca_kabuli_chr03	24187421	GG	AA	1940164168
SNP_P1_40858_24187437	NC_021162.1	Ca_kabuli_chr03	24187437	TT	CC	1940164169
SNP_P1_40859_24187451	NC_021162.1	Ca_kabuli_chr03	24187451	AA	TT	1940164170
SNP_P1_40860_24187452	NC_021162.1	Ca_kabuli_chr03	24187452	AA	GG	1940164171
SNP_P1_40861_24187453	NC_021162.1	Ca_kabuli_chr03	24187453	AA	TT	1940164172
SNP_P1_40862_24187457	NC_021162.1	Ca_kabuli_chr03	24187457	CC	AA	1940164173
SNP_P1_40863_24187505	NC_021162.1	Ca_kabuli_chr03	24187505	TT	AA	1940164174
SNP_P1_40864_24187508	NC_021162.1	Ca_kabuli_chr03	24187508	CC	AA	1940164175
SNP_P1_40865_24187519	NC_021162.1	Ca_kabuli_chr03	24187519	GG	AA	1940164176
SNP_P1_40866_24187520	NC_021162.1	Ca_kabuli_chr03	24187520	AA	GG	1940164177
SNP_P1_40867_24187535	NC_021162.1	Ca_kabuli_chr03	24187535	GG	AA	1940164178
SNP_P1_40868_24187540	NC_021162.1	Ca_kabuli_chr03	24187540	TT	CC	1940164179
SNP_P1_40869_24187558	NC_021162.1	Ca_kabuli_chr03	24187558	AA	CC	1940164180
SNP_P1_40870_24187568	NC_021162.1	Ca_kabuli_chr03	24187568	GG	AA	1940164181
SNP_P1_40871_24187571	NC_021162.1	Ca_kabuli_chr03	24187571	GG	TT	1940164182
SNP_P1_40872_24187577	NC_021162.1	Ca_kabuli_chr03	24187577	TT	AA	1940164183
SNP_P1_40873_24187595	NC_021162.1	Ca_kabuli_chr03	24187595	AA	GG	1940164184
SNP_P1_40875_24187734	NC_021162.1	Ca_kabuli_chr03	24187734	TT	AA	1940164185
SNP_P1_40876_24187746	NC_021162.1	Ca_kabuli_chr03	24187746	AA	CC	1940164186
SNP_P1_40877_24187774	NC_021162.1	Ca_kabuli_chr03	24187774	AA	TT	1940164187
SNP_P1_40878_24187819	NC_021162.1	Ca_kabuli_chr03	24187819	TT	GG	1940164188
SNP_P1_40879_24187823	NC_021162.1	Ca_kabuli_chr03	24187823	AA	GG	1940164189
SNP_P1_40880_24187850	NC_021162.1	Ca_kabuli_chr03	24187850	AA	GG	1940164190
SNP_P1_40881_24187853	NC_021162.1	Ca_kabuli_chr03	24187853	CC	TT	1940164191
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SNP_P1_40883_24187914	NC_021162.1	Ca_kabuli_chr03	24187914	AA	TT	1940164193
SNP_P1_40884_24187915	NC_021162.1	Ca_kabuli_chr03	24187915	AA	CC	1940164194
SNP_P1_40885_24187955	NC_021162.1	Ca_kabuli_chr03	24187955	TT	CC	1940164195
SNP_P1_40886_24187970	NC_021162.1	Ca_kabuli_chr03	24187970	AA	GG	1940164197
SNP_P1_40887_24187988	NC_021162.1	Ca_kabuli_chr03	24187988	TT	CC	1940164198
SNP_P1_40888_24187995	NC_021162.1	Ca_kabuli_chr03	24187995	GG	AA	1940164199
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SNP_P1_40890_24188045	NC_021162.1	Ca_kabuli_chr03	24188045	GG	AA	1940164201
SNP_P1_40891_24188913	NC_021162.1	Ca_kabuli_chr03	24188913	CC	TT	1940164202
SNP_P1_40893_24201496	NC_021162.1	Ca_kabuli_chr03	24201496	GG	CC	1940164203
SNP_P1_40894_24225820	NC_021162.1	Ca_kabuli_chr03	24225820	AA	GG	1940164204
SNP_P1_40896_24265745	NC_021162.1	Ca_kabuli_chr03	24265745	CC	TT	1940164205
SNP_P1_40897_24270461	NC_021162.1	Ca_kabuli_chr03	24270461	TT	AA	1940164206
SNP_P1_40898_24270612	NC_021162.1	Ca_kabuli_chr03	24270612	CC	TT	1940164207
SNP_P1_40899_24272597	NC_021162.1	Ca_kabuli_chr03	24272597	AA	GG	1940164208
SNP_P1_40900_24272955	NC_021162.1	Ca_kabuli_chr03	24272955	CC	AA	1940164209

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40903_24273178	NC_021162.1	Ca_kabuli_chr03	24273178	AA	TT	1940164215
SNP_P1_40904_24273179	NC_021162.1	Ca_kabuli_chr03	24273179	TT	GG	1940164217
SNP_P1_40905_24277694	NC_021162.1	Ca_kabuli_chr03	24277694	CC	TT	1940164219
SNP_P1_40906_24295655	NC_021162.1	Ca_kabuli_chr03	24295655	AA	GG	1940164221
SNP_P1_40907_24300850	NC_021162.1	Ca_kabuli_chr03	24300850	TT	CC	1940164223
SNP_P1_40908_24300852	NC_021162.1	Ca_kabuli_chr03	24300852	AA	TT	1940164225
SNP_P1_40910_24320298	NC_021162.1	Ca_kabuli_chr03	24320298	GG	AA	1940164227
SNP_P1_40911_24342457	NC_021162.1	Ca_kabuli_chr03	24342457	AA	TT	1940164229
SNP_P1_40912_24342458	NC_021162.1	Ca_kabuli_chr03	24342458	AA	GG	1940164231
SNP_P1_40913_24342775	NC_021162.1	Ca_kabuli_chr03	24342775	TT	AA	1940164234
SNP_P1_40914_24342777	NC_021162.1	Ca_kabuli_chr03	24342777	TT	GG	1940164236
SNP_P1_40916_24378849	NC_021162.1	Ca_kabuli_chr03	24378849	TT	AA	1940164238
SNP_P1_40917_24388056	NC_021162.1	Ca_kabuli_chr03	24388056	CC	TT	1940164240
SNP_P1_40918_24388264	NC_021162.1	Ca_kabuli_chr03	24388264	TT	AA	1940164242
SNP_P1_40920_24409247	NC_021162.1	Ca_kabuli_chr03	24409247	GG	AA	1940164244
SNP_P1_40922_24414516	NC_021162.1	Ca_kabuli_chr03	24414516	AA	GG	1940164246
SNP_P1_40924_24420764	NC_021162.1	Ca_kabuli_chr03	24420764	CC	TT	1940164248
SNP_P1_40925_24422419	NC_021162.1	Ca_kabuli_chr03	24422419	TT	CC	1940164250
SNP_P1_40926_24440781	NC_021162.1	Ca_kabuli_chr03	24440781	GG	CC	1940164252
SNP_P1_40927_24454564	NC_021162.1	Ca_kabuli_chr03	24454564	CC	TT	1940164254
SNP_P1_40928_24482438	NC_021162.1	Ca_kabuli_chr03	24482438	CC	TT	1940164256
SNP_P1_40929_24483713	NC_021162.1	Ca_kabuli_chr03	24483713	TT	AA	1940164259
SNP_P1_40930_24508734	NC_021162.1	Ca_kabuli_chr03	24508734	TT	CC	1940164261
SNP_P1_40932_24534422	NC_021162.1	Ca_kabuli_chr03	24534422	GG	AA	1940164263
SNP_P1_40933_24552395	NC_021162.1	Ca_kabuli_chr03	24552395	AA	GG	1940164265
SNP_P1_40934_24552396	NC_021162.1	Ca_kabuli_chr03	24552396	AA	CC	1940164267
SNP_P1_40935_24557712	NC_021162.1	Ca_kabuli_chr03	24557712	TT	AA	1940164269
SNP_P1_40936_24559528	NC_021162.1	Ca_kabuli_chr03	24559528	AA	GG	1940164271
SNP_P1_40937_24574900	NC_021162.1	Ca_kabuli_chr03	24574900	TT	CC	1940164273
SNP_P1_40938_24574914	NC_021162.1	Ca_kabuli_chr03	24574914	TT	GG	1940164276
SNP_P1_40939_24574921	NC_021162.1	Ca_kabuli_chr03	24574921	AA	GG	1940164278
SNP_P1_40940_24574944	NC_021162.1	Ca_kabuli_chr03	24574944	AA	GG	1940164280
SNP_P1_40941_24574957	NC_021162.1	Ca_kabuli_chr03	24574957	AA	GG	1940164282
SNP_P1_40942_24574961	NC_021162.1	Ca_kabuli_chr03	24574961	CC	AA	1940164284
SNP_P1_40944_24584281	NC_021162.1	Ca_kabuli_chr03	24584281	CC	TT	1940164286
SNP_P1_40946_24592642	NC_021162.1	Ca_kabuli_chr03	24592642	GG	AA	1940164288
SNP_P1_40947_24594534	NC_021162.1	Ca_kabuli_chr03	24594534	CC	TT	1940164290
SNP_P1_40949_24594786	NC_021162.1	Ca_kabuli_chr03	24594786	CC	AA	1940164293
SNP_P1_40950_24610184	NC_021162.1	Ca_kabuli_chr03	24610184	AA	TT	1940164295
SNP_P1_40951_24611327	NC_021162.1	Ca_kabuli_chr03	24611327	AA	CC	1940164297
SNP_P1_40952_24613182	NC_021162.1	Ca_kabuli_chr03	24613182	AA	GG	1940164299

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_40954_24613566	NC_021162.1	Ca_kabuli_chr03	24613566	AA	GG	1940164303
SNP_P1_40955_24613722	NC_021162.1	Ca_kabuli_chr03	24613722	CC	AA	1940164305
SNP_P1_40956_24613839	NC_021162.1	Ca_kabuli_chr03	24613839	CC	TT	1940164307
SNP_P1_40957_24616093	NC_021162.1	Ca_kabuli_chr03	24616093	CC	AA	1940164310
SNP_P1_40960_24649653	NC_021162.1	Ca_kabuli_chr03	24649653	GG	AA	1940164312
SNP_P1_40961_24649729	NC_021162.1	Ca_kabuli_chr03	24649729	GG	TT	1940164314
SNP_P1_40962_24653411	NC_021162.1	Ca_kabuli_chr03	24653411	AA	GG	1940164316
SNP_P1_40963_24699964	NC_021162.1	Ca_kabuli_chr03	24699964	TT	CC	1940164318
SNP_P1_40965_24732117	NC_021162.1	Ca_kabuli_chr03	24732117	CC	AA	1940164320
SNP_P1_40966_24737073	NC_021162.1	Ca_kabuli_chr03	24737073	TT	CC	1940164322
SNP_P1_40967_24737354	NC_021162.1	Ca_kabuli_chr03	24737354	GG	AA	1940164324
SNP_P1_40968_24738295	NC_021162.1	Ca_kabuli_chr03	24738295	TT	CC	1940164327
SNP_P1_40969_24790087	NC_021162.1	Ca_kabuli_chr03	24790087	TT	CC	1940164329
SNP_P1_40970_24790092	NC_021162.1	Ca_kabuli_chr03	24790092	CC	TT	1940164331
SNP_P1_40971_24791010	NC_021162.1	Ca_kabuli_chr03	24791010	CC	GG	1940164333
SNP_P1_40972_24791035	NC_021162.1	Ca_kabuli_chr03	24791035	GG	CC	1940164335
SNP_P1_40974_24796069	NC_021162.1	Ca_kabuli_chr03	24796069	CC	AA	1940164337
SNP_P1_40975_24796161	NC_021162.1	Ca_kabuli_chr03	24796161	CC	GG	1940164339
SNP_P1_40976_24796162	NC_021162.1	Ca_kabuli_chr03	24796162	GG	AA	1940164341
SNP_P1_40977_24796317	NC_021162.1	Ca_kabuli_chr03	24796317	AA	GG	1940164343
SNP_P1_40978_24796328	NC_021162.1	Ca_kabuli_chr03	24796328	AA	TT	1940164346
SNP_P1_40979_24796347	NC_021162.1	Ca_kabuli_chr03	24796347	AA	CC	1940164348
SNP_P1_40980_24796349	NC_021162.1	Ca_kabuli_chr03	24796349	TT	CC	1940164351
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SNP_P1_40982_24796488	NC_021162.1	Ca_kabuli_chr03	24796488	CC	AA	1940164356
SNP_P1_40983_24796528	NC_021162.1	Ca_kabuli_chr03	24796528	CC	TT	1940164359
SNP_P1_40984_24796535	NC_021162.1	Ca_kabuli_chr03	24796535	AA	TT	1940164362
SNP_P1_40985_24796575	NC_021162.1	Ca_kabuli_chr03	24796575	CC	TT	1940164364
SNP_P1_40986_24796582	NC_021162.1	Ca_kabuli_chr03	24796582	CC	AA	1940164366
SNP_P1_40987_24796615	NC_021162.1	Ca_kabuli_chr03	24796615	AA	CC	1940164369
SNP_P1_40988_24796712	NC_021162.1	Ca_kabuli_chr03	24796712	AA	TT	1940164371
SNP_P1_40989_24796715	NC_021162.1	Ca_kabuli_chr03	24796715	CC	TT	1940164373
SNP_P1_40990_24796756	NC_021162.1	Ca_kabuli_chr03	24796756	AA	GG	1940164375
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SNP_P1_40992_24799945	NC_021162.1	Ca_kabuli_chr03	24799945	CC	TT	1940164379
SNP_P1_40993_24808435	NC_021162.1	Ca_kabuli_chr03	24808435	CC	TT	1940164381
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SNP_P1_40995_24808453	NC_021162.1	Ca_kabuli_chr03	24808453	CC	TT	1940164386
SNP_P1_40996_24808462	NC_021162.1	Ca_kabuli_chr03	24808462	CC	TT	1940164388
SNP_P1_40997_24813967	NC_021162.1	Ca_kabuli_chr03	24813967	CC	AA	1940164390
SNP_P1_40998_24817002	NC_021162.1	Ca_kabuli_chr03	24817002	TT	AA	1940164392

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41002_24877509	NC_021162.1	Ca_kabuli_chr03	24877509	AA	CC	1940164399
SNP_P1_41003_24877513	NC_021162.1	Ca_kabuli_chr03	24877513	AA	CC	1940164401
SNP_P1_41004_24939045	NC_021162.1	Ca_kabuli_chr03	24939045	AA	TT	1940164403
SNP_P1_41005_24939047	NC_021162.1	Ca_kabuli_chr03	24939047	AA	GG	1940164405
SNP_P1_41006_24941338	NC_021162.1	Ca_kabuli_chr03	24941338	AA	GG	1940164407
SNP_P1_41007_24941523	NC_021162.1	Ca_kabuli_chr03	24941523	CC	AA	1940164409
SNP_P1_41008_24956337	NC_021162.1	Ca_kabuli_chr03	24956337	GG	AA	1940164411
SNP_P1_41009_24967322	NC_021162.1	Ca_kabuli_chr03	24967322	AA	GG	1940164413
SNP_P1_41010_24967323	NC_021162.1	Ca_kabuli_chr03	24967323	TT	AA	1940164416
SNP_P1_41011_24973104	NC_021162.1	Ca_kabuli_chr03	24973104	CC	TT	1940164418
SNP_P1_41012_24984707	NC_021162.1	Ca_kabuli_chr03	24984707	CC	GG	1940164420
SNP_P1_41014_24991196	NC_021162.1	Ca_kabuli_chr03	24991196	CC	GG	1940164422
SNP_P1_41015_25012067	NC_021162.1	Ca_kabuli_chr03	25012067	AA	TT	1940164424
SNP_P1_41017_25040615	NC_021162.1	Ca_kabuli_chr03	25040615	AA	GG	1940164426
SNP_P1_41018_25040663	NC_021162.1	Ca_kabuli_chr03	25040663	GG	AA	1940164429
SNP_P1_41019_25040673	NC_021162.1	Ca_kabuli_chr03	25040673	GG	TT	1940164431
SNP_P1_41020_25040718	NC_021162.1	Ca_kabuli_chr03	25040718	TT	CC	1940164433
SNP_P1_41021_25040730	NC_021162.1	Ca_kabuli_chr03	25040730	AA	GG	1940164435
SNP_P1_41022_25040745	NC_021162.1	Ca_kabuli_chr03	25040745	AA	GG	1940164437
SNP_P1_41023_25040798	NC_021162.1	Ca_kabuli_chr03	25040798	AA	GG	1940164439
SNP_P1_41024_25040800	NC_021162.1	Ca_kabuli_chr03	25040800	AA	GG	1940164441
SNP_P1_41025_25040827	NC_021162.1	Ca_kabuli_chr03	25040827	AA	GG	1940164444
SNP_P1_41026_25040835	NC_021162.1	Ca_kabuli_chr03	25040835	AA	TT	1940164446
SNP_P1_41027_25040838	NC_021162.1	Ca_kabuli_chr03	25040838	TT	CC	1940164448
SNP_P1_41028_25040844	NC_021162.1	Ca_kabuli_chr03	25040844	TT	CC	1940164450
SNP_P1_41029_25074054	NC_021162.1	Ca_kabuli_chr03	25074054	GG	AA	1940164452
SNP_P1_41030_25075928	NC_021162.1	Ca_kabuli_chr03	25075928	AA	GG	1940164454
SNP_P1_41031_25096378	NC_021162.1	Ca_kabuli_chr03	25096378	GG	AA	1940164457
SNP_P1_41032_25115009	NC_021162.1	Ca_kabuli_chr03	25115009	TT	GG	1940164459
SNP_P1_41033_25145247	NC_021162.1	Ca_kabuli_chr03	25145247	TT	CC	1940164461
SNP_P1_41034_25152469	NC_021162.1	Ca_kabuli_chr03	25152469	TT	CC	1940164463
SNP_P1_41035_25154718	NC_021162.1	Ca_kabuli_chr03	25154718	GG	TT	1940164465
SNP_P1_41036_25155539	NC_021162.1	Ca_kabuli_chr03	25155539	AA	GG	1940164467
SNP_P1_41037_25185782	NC_021162.1	Ca_kabuli_chr03	25185782	CC	TT	1940164469
SNP_P1_41038_25228806	NC_021162.1	Ca_kabuli_chr03	25228806	CC	TT	1940164472
SNP_P1_41039_25260449	NC_021162.1	Ca_kabuli_chr03	25260449	TT	GG	1940164474
SNP_P1_41040_25260453	NC_021162.1	Ca_kabuli_chr03	25260453	TT	GG	1940164476
SNP_P1_41041_25289371	NC_021162.1	Ca_kabuli_chr03	25289371	CC	TT	1940164478
SNP_P1_41042_25317478	NC_021162.1	Ca_kabuli_chr03	25317478	AA	TT	1940164480
SNP_P1_41043_25317479	NC_021162.1	Ca_kabuli_chr03	25317479	AA	TT	1940164482

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_41048_25348325	NC_021162.1	Ca_kabuli_chr03	25348325	TT	CC	1940164484
SNP_P1_41049_25360984	NC_021162.1	Ca_kabuli_chr03	25360984	CC	TT	1940164486
SNP_P1_41050_25372830	NC_021162.1	Ca_kabuli_chr03	25372830	AA	CC	1940164489
SNP_P1_41051_25379711	NC_021162.1	Ca_kabuli_chr03	25379711	TT	CC	1940164491
SNP_P1_41052_25391076	NC_021162.1	Ca_kabuli_chr03	25391076	GG	AA	1940164493
SNP_P1_41053_25405529	NC_021162.1	Ca_kabuli_chr03	25405529	TT	AA	1940164495
SNP_P1_41054_25416085	NC_021162.1	Ca_kabuli_chr03	25416085	CC	GG	1940164497
SNP_P1_41055_25417661	NC_021162.1	Ca_kabuli_chr03	25417661	CC	TT	1940164499
SNP_P1_41056_25437614	NC_021162.1	Ca_kabuli_chr03	25437614	AA	TT	1940164501
SNP_P1_41058_25450697	NC_021162.1	Ca_kabuli_chr03	25450697	AA	GG	1940164504
SNP_P1_41060_25490685	NC_021162.1	Ca_kabuli_chr03	25490685	TT	GG	1940164506
SNP_P1_41061_25490686	NC_021162.1	Ca_kabuli_chr03	25490686	TT	AA	1940164508
SNP_P1_41062_25502102	NC_021162.1	Ca_kabuli_chr03	25502102	AA	TT	1940164510
SNP_P1_41064_25529888	NC_021162.1	Ca_kabuli_chr03	25529888	AA	CC	1940164513
SNP_P1_41065_25546017	NC_021162.1	Ca_kabuli_chr03	25546017	AA	TT	1940164515
SNP_P1_41067_25585982	NC_021162.1	Ca_kabuli_chr03	25585982	CC	TT	1940164518
SNP_P1_41068_25625867	NC_021162.1	Ca_kabuli_chr03	25625867	AA	GG	1940164520
SNP_P1_41069_25625873	NC_021162.1	Ca_kabuli_chr03	25625873	AA	GG	1940164522
SNP_P1_41071_25765370	NC_021162.1	Ca_kabuli_chr03	25765370	TT	AA	1940164524
SNP_P1_41072_25769162	NC_021162.1	Ca_kabuli_chr03	25769162	AA	GG	1940164526
SNP_P1_41074_25800717	NC_021162.1	Ca_kabuli_chr03	25800717	AA	CC	1940164528
SNP_P1_41075_25811231	NC_021162.1	Ca_kabuli_chr03	25811231	AA	GG	1940164530
SNP_P1_41076_25811239	NC_021162.1	Ca_kabuli_chr03	25811239	GG	AA	1940164533
SNP_P1_41077_25811242	NC_021162.1	Ca_kabuli_chr03	25811242	TT	GG	1940164535
SNP_P1_41078_25811254	NC_021162.1	Ca_kabuli_chr03	25811254	CC	TT	1940164537
SNP_P1_41079_25813360	NC_021162.1	Ca_kabuli_chr03	25813360	AA	TT	1940164539
SNP_P1_41080_25813369	NC_021162.1	Ca_kabuli_chr03	25813369	TT	AA	1940164541
SNP_P1_41081_25827863	NC_021162.1	Ca_kabuli_chr03	25827863	GG	TT	1940164544
SNP_P1_41083_25867782	NC_021162.1	Ca_kabuli_chr03	25867782	TT	AA	1940164546
SNP_P1_41084_25869863	NC_021162.1	Ca_kabuli_chr03	25869863	CC	GG	1940164548
SNP_P1_41085_25869931	NC_021162.1	Ca_kabuli_chr03	25869931	CC	TT	1940164550
SNP_P1_41086_25872806	NC_021162.1	Ca_kabuli_chr03	25872806	AA	CC	1940164552
SNP_P1_41087_25872828	NC_021162.1	Ca_kabuli_chr03	25872828	AA	GG	1940164554
SNP_P1_41088_25872829	NC_021162.1	Ca_kabuli_chr03	25872829	GG	AA	1940164557
SNP_P1_41089_25872988	NC_021162.1	Ca_kabuli_chr03	25872988	GG	AA	1940164559
SNP_P1_41090_25873193	NC_021162.1	Ca_kabuli_chr03	25873193	AA	GG	1940164561
SNP_P1_41092_25885789	NC_021162.1	Ca_kabuli_chr03	25885789	TT	CC	1940164563
SNP_P1_41093_25885798	NC_021162.1	Ca_kabuli_chr03	25885798	AA	GG	1940164566
SNP_P1_41094_25886071	NC_021162.1	Ca_kabuli_chr03	25886071	AA	TT	1940164568
SNP_P1_41095_25886077	NC_021162.1	Ca_kabuli_chr03	25886077	AA	TT	1940164570
SNP_P1_41096_25886087	NC_021162.1	Ca_kabuli_chr03	25886087	TT	AA	1940164572
SNP_P1_41097_25886088	NC_021162.1	Ca_kabuli_chr03	25886088	AA	TT	1940164575

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_41098_25886103	NC_021162.1	Ca_kabuli_chr03	25886103	AA	GG	1940164577
SNP_P1_41099_25886132	NC_021162.1	Ca_kabuli_chr03	25886132	CC	TT	1940164579
SNP_P1_41100_25886163	NC_021162.1	Ca_kabuli_chr03	25886163	AA	TT	1940164581
SNP_P1_41101_25886164	NC_021162.1	Ca_kabuli_chr03	25886164	TT	AA	1940164583
SNP_P1_41102_25886183	NC_021162.1	Ca_kabuli_chr03	25886183	CC	GG	1940164586
SNP_P1_41103_25886194	NC_021162.1	Ca_kabuli_chr03	25886194	AA	GG	1940164588
SNP_P1_41104_25886220	NC_021162.1	Ca_kabuli_chr03	25886220	CC	AA	1940164590
SNP_P1_41105_25886242	NC_021162.1	Ca_kabuli_chr03	25886242	GG	AA	1940164592
SNP_P1_41106_25886254	NC_021162.1	Ca_kabuli_chr03	25886254	AA	GG	1940164594
SNP_P1_41107_25886382	NC_021162.1	Ca_kabuli_chr03	25886382	GG	AA	1940164596
SNP_P1_41108_25886408	NC_021162.1	Ca_kabuli_chr03	25886408	CC	TT	1940164599
SNP_P1_41109_25886606	NC_021162.1	Ca_kabuli_chr03	25886606	TT	GG	1940164601
SNP_P1_41110_25886652	NC_021162.1	Ca_kabuli_chr03	25886652	TT	CC	1940164603
SNP_P1_41111_25888027	NC_021162.1	Ca_kabuli_chr03	25888027	GG	AA	1940164605
SNP_P1_41113_25888108	NC_021162.1	Ca_kabuli_chr03	25888108	CC	GG	1940164607
SNP_P1_41114_25888172	NC_021162.1	Ca_kabuli_chr03	25888172	TT	AA	1940164610
SNP_P1_41115_25888215	NC_021162.1	Ca_kabuli_chr03	25888215	CC	TT	1940164612
SNP_P1_41116_25888226	NC_021162.1	Ca_kabuli_chr03	25888226	TT	CC	1940164614
SNP_P1_41117_25888259	NC_021162.1	Ca_kabuli_chr03	25888259	CC	AA	1940164616
SNP_P1_41118_25888261	NC_021162.1	Ca_kabuli_chr03	25888261	AA	TT	1940164618
SNP_P1_41119_25888263	NC_021162.1	Ca_kabuli_chr03	25888263	CC	TT	1940164620
SNP_P1_41120_25888265	NC_021162.1	Ca_kabuli_chr03	25888265	TT	GG	1940164623
SNP_P1_41121_25888289	NC_021162.1	Ca_kabuli_chr03	25888289	TT	AA	1940164625
SNP_P1_41122_25888427	NC_021162.1	Ca_kabuli_chr03	25888427	GG	CC	1940164627
SNP_P1_41123_25888497	NC_021162.1	Ca_kabuli_chr03	25888497	GG	AA	1940164629
SNP_P1_41124_25888499	NC_021162.1	Ca_kabuli_chr03	25888499	AA	CC	1940164631
SNP_P1_41125_25888504	NC_021162.1	Ca_kabuli_chr03	25888504	AA	GG	1940164634
SNP_P1_41126_25888512	NC_021162.1	Ca_kabuli_chr03	25888512	TT	CC	1940164636
SNP_P1_41127_25888573	NC_021162.1	Ca_kabuli_chr03	25888573	AA	GG	1940164638
SNP_P1_41128_25888585	NC_021162.1	Ca_kabuli_chr03	25888585	AA	GG	1940164640
SNP_P1_41129_25888659	NC_021162.1	Ca_kabuli_chr03	25888659	TT	AA	1940164642
SNP_P1_41130_25888665	NC_021162.1	Ca_kabuli_chr03	25888665	AA	TT	1940164644
SNP_P1_41131_25888688	NC_021162.1	Ca_kabuli_chr03	25888688	CC	TT	1940164647
SNP_P1_41132_25888698	NC_021162.1	Ca_kabuli_chr03	25888698	AA	TT	1940164649
SNP_P1_41133_25888753	NC_021162.1	Ca_kabuli_chr03	25888753	TT	GG	1940164651
SNP_P1_41135_25888961	NC_021162.1	Ca_kabuli_chr03	25888961	TT	CC	1940164653
SNP_P1_41136_25888970	NC_021162.1	Ca_kabuli_chr03	25888970	AA	TT	1940164655
SNP_P1_41137_25888971	NC_021162.1	Ca_kabuli_chr03	25888971	CC	AA	1940164658
SNP_P1_41138_25888986	NC_021162.1	Ca_kabuli_chr03	25888986	GG	AA	1940164660
SNP_P1_41139_25889032	NC_021162.1	Ca_kabuli_chr03	25889032	CC	TT	1940164662
SNP_P1_41140_25889053	NC_021162.1	Ca_kabuli_chr03	25889053	TT	CC	1940164664
SNP_P1_41141_25889085	NC_021162.1	Ca_kabuli_chr03	25889085	AA	GG	1940164666

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41144_25889158	NC_021162.1	Ca_kabuli_chr03	25889158	AA	TT	1940164671
SNP_P1_41145_25889389	NC_021162.1	Ca_kabuli_chr03	25889389	CC	TT	1940164673
SNP_P1_41146_25889398	NC_021162.1	Ca_kabuli_chr03	25889398	AA	TT	1940164675
SNP_P1_41147_25889405	NC_021162.1	Ca_kabuli_chr03	25889405	CC	AA	1940164677
SNP_P1_41148_25889416	NC_021162.1	Ca_kabuli_chr03	25889416	TT	GG	1940164679
SNP_P1_41149_25889604	NC_021162.1	Ca_kabuli_chr03	25889604	AA	TT	1940164682
SNP_P1_41150_25889605	NC_021162.1	Ca_kabuli_chr03	25889605	TT	AA	1940164684
SNP_P1_41152_25889650	NC_021162.1	Ca_kabuli_chr03	25889650	GG	AA	1940164686
SNP_P1_41153_25890434	NC_021162.1	Ca_kabuli_chr03	25890434	TT	AA	1940164688
SNP_P1_41154_25890457	NC_021162.1	Ca_kabuli_chr03	25890457	AA	TT	1940164690
SNP_P1_41155_25890469	NC_021162.1	Ca_kabuli_chr03	25890469	AA	CC	1940164692
SNP_P1_41156_25890509	NC_021162.1	Ca_kabuli_chr03	25890509	TT	CC	1940164695
SNP_P1_41157_25890727	NC_021162.1	Ca_kabuli_chr03	25890727	TT	GG	1940164697
SNP_P1_41158_25890789	NC_021162.1	Ca_kabuli_chr03	25890789	AA	TT	1940164699
SNP_P1_41159_25891218	NC_021162.1	Ca_kabuli_chr03	25891218	AA	TT	1940164701
SNP_P1_41160_25891463	NC_021162.1	Ca_kabuli_chr03	25891463	AA	CC	1940164705
SNP_P1_41161_25891464	NC_021162.1	Ca_kabuli_chr03	25891464	TT	GG	1940164707
SNP_P1_41162_25891471	NC_021162.1	Ca_kabuli_chr03	25891471	TT	AA	1940164709
SNP_P1_41164_25892027	NC_021162.1	Ca_kabuli_chr03	25892027	TT	CC	1940164711
SNP_P1_41165_25892208	NC_021162.1	Ca_kabuli_chr03	25892208	AA	CC	1940164714
SNP_P1_41166_25905935	NC_021162.1	Ca_kabuli_chr03	25905935	AA	CC	1940164716
SNP_P1_41167_25905936	NC_021162.1	Ca_kabuli_chr03	25905936	AA	GG	1940164718
SNP_P1_41168_25913120	NC_021162.1	Ca_kabuli_chr03	25913120	TT	CC	1940164720
SNP_P1_41170_25918819	NC_021162.1	Ca_kabuli_chr03	25918819	AA	TT	1940164722
SNP_P1_41171_25918825	NC_021162.1	Ca_kabuli_chr03	25918825	AA	TT	1940164725
SNP_P1_41172_25958578	NC_021162.1	Ca_kabuli_chr03	25958578	AA	TT	1940164727
SNP_P1_41173_25971833	NC_021162.1	Ca_kabuli_chr03	25971833	AA	GG	1940164729
SNP_P1_41174_25971852	NC_021162.1	Ca_kabuli_chr03	25971852	TT	CC	1940164731
SNP_P1_41175_25971861	NC_021162.1	Ca_kabuli_chr03	25971861	AA	GG	1940164733
SNP_P1_41176_25971878	NC_021162.1	Ca_kabuli_chr03	25971878	TT	AA	1940164736
SNP_P1_41177_25971933	NC_021162.1	Ca_kabuli_chr03	25971933	AA	CC	1940164738
SNP_P1_41178_25972042	NC_021162.1	Ca_kabuli_chr03	25972042	TT	CC	1940164740
SNP_P1_41179_25972178	NC_021162.1	Ca_kabuli_chr03	25972178	AA	GG	1940164742
SNP_P1_41180_25972211	NC_021162.1	Ca_kabuli_chr03	25972211	TT	CC	1940164744
SNP_P1_41181_25972250	NC_021162.1	Ca_kabuli_chr03	25972250	TT	GG	1940164747
SNP_P1_41182_25972368	NC_021162.1	Ca_kabuli_chr03	25972368	AA	GG	1940164749
SNP_P1_41183_25972426	NC_021162.1	Ca_kabuli_chr03	25972426	AA	GG	1940164751
SNP_P1_41184_25972441	NC_021162.1	Ca_kabuli_chr03	25972441	AA	GG	1940164753
SNP_P1_41185_25972442	NC_021162.1	Ca_kabuli_chr03	25972442	TT	GG	1940164755
SNP_P1_41186_25972449	NC_021162.1	Ca_kabuli_chr03	25972449	TT	CC	1940164757
SNP_P1_41187_25972452	NC_021162.1	Ca_kabuli_chr03	25972452	TT	GG	1940164760

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41189_25998687	NC_021162.1	Ca_kabuli_chr03	25998687	TT	CC	1940164764
SNP_P1_41190_25998698	NC_021162.1	Ca_kabuli_chr03	25998698	GG	TT	1940164766
SNP_P1_41191_25998715	NC_021162.1	Ca_kabuli_chr03	25998715	CC	GG	1940164768
SNP_P1_41192_26004984	NC_021162.1	Ca_kabuli_chr03	26004984	AA	GG	1940164771
SNP_P1_41193_26004985	NC_021162.1	Ca_kabuli_chr03	26004985	TT	GG	1940164773
SNP_P1_41194_26014355	NC_021162.1	Ca_kabuli_chr03	26014355	GG	AA	1940164775
SNP_P1_41196_26037029	NC_021162.1	Ca_kabuli_chr03	26037029	AA	TT	1940164777
SNP_P1_41197_26037030	NC_021162.1	Ca_kabuli_chr03	26037030	AA	GG	1940164779
SNP_P1_41198_26042030	NC_021162.1	Ca_kabuli_chr03	26042030	CC	TT	1940164782
SNP_P1_41199_26042366	NC_021162.1	Ca_kabuli_chr03	26042366	TT	CC	1940164784
SNP_P1_41200_26042376	NC_021162.1	Ca_kabuli_chr03	26042376	TT	GG	1940164786
SNP_P1_41201_26042414	NC_021162.1	Ca_kabuli_chr03	26042414	CC	TT	1940164788
SNP_P1_41202_26042424	NC_021162.1	Ca_kabuli_chr03	26042424	TT	CC	1940164790
SNP_P1_41203_26042447	NC_021162.1	Ca_kabuli_chr03	26042447	TT	AA	1940164793
SNP_P1_41204_26042477	NC_021162.1	Ca_kabuli_chr03	26042477	TT	CC	1940164795
SNP_P1_41205_26042486	NC_021162.1	Ca_kabuli_chr03	26042486	AA	GG	1940164797
SNP_P1_41206_26042549	NC_021162.1	Ca_kabuli_chr03	26042549	AA	CC	1940164799
SNP_P1_41207_26061936	NC_021162.1	Ca_kabuli_chr03	26061936	TT	CC	1940164801
SNP_P1_41208_26065299	NC_021162.1	Ca_kabuli_chr03	26065299	AA	GG	1940164804
SNP_P1_41209_26065322	NC_021162.1	Ca_kabuli_chr03	26065322	TT	CC	1940164806
SNP_P1_41210_26065429	NC_021162.1	Ca_kabuli_chr03	26065429	CC	TT	1940164808
SNP_P1_41211_26069410	NC_021162.1	Ca_kabuli_chr03	26069410	AA	CC	1940164810
SNP_P1_41212_26070273	NC_021162.1	Ca_kabuli_chr03	26070273	AA	TT	1940164813
SNP_P1_41213_26070575	NC_021162.1	Ca_kabuli_chr03	26070575	AA	GG	1940164815
SNP_P1_41214_26070622	NC_021162.1	Ca_kabuli_chr03	26070622	TT	GG	1940164817
SNP_P1_41215_26070813	NC_021162.1	Ca_kabuli_chr03	26070813	AA	TT	1940164819
SNP_P1_41217_26071315	NC_021162.1	Ca_kabuli_chr03	26071315	GG	AA	1940164821
SNP_P1_41218_26071332	NC_021162.1	Ca_kabuli_chr03	26071332	TT	AA	1940164824
SNP_P1_41219_26071489	NC_021162.1	Ca_kabuli_chr03	26071489	CC	GG	1940164826
SNP_P1_41220_26071524	NC_021162.1	Ca_kabuli_chr03	26071524	GG	CC	1940164828
SNP_P1_41221_26071683	NC_021162.1	Ca_kabuli_chr03	26071683	GG	AA	1940164830
SNP_P1_41222_26071763	NC_021162.1	Ca_kabuli_chr03	26071763	GG	CC	1940164832
SNP_P1_41223_26071805	NC_021162.1	Ca_kabuli_chr03	26071805	GG	AA	1940164835
SNP_P1_41225_26071929	NC_021162.1	Ca_kabuli_chr03	26071929	AA	CC	1940164837
SNP_P1_41226_26071936	NC_021162.1	Ca_kabuli_chr03	26071936	GG	AA	1940164839
SNP_P1_41227_26072082	NC_021162.1	Ca_kabuli_chr03	26072082	TT	CC	1940164841
SNP_P1_41228_26074399	NC_021162.1	Ca_kabuli_chr03	26074399	AA	TT	1940164844
SNP_P1_41229_26074424	NC_021162.1	Ca_kabuli_chr03	26074424	CC	TT	1940164846
SNP_P1_41230_26074450	NC_021162.1	Ca_kabuli_chr03	26074450	TT	GG	1940164848
SNP_P1_41231_26074459	NC_021162.1	Ca_kabuli_chr03	26074459	CC	TT	1940164850
SNP_P1_41232_26074634	NC_021162.1	Ca_kabuli_chr03	26074634	GG	AA	1940164852

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41234_26095480	NC_021162.1	Ca_kabuli_chr03	26095480	CC	AA	1940164857
SNP_P1_41235_26101023	NC_021162.1	Ca_kabuli_chr03	26101023	TT	GG	1940164859
SNP_P1_41236_26101073	NC_021162.1	Ca_kabuli_chr03	26101073	TT	CC	1940164861
SNP_P1_41237_26101092	NC_021162.1	Ca_kabuli_chr03	26101092	CC	TT	1940164863
SNP_P1_41238_26101098	NC_021162.1	Ca_kabuli_chr03	26101098	AA	TT	1940164866
SNP_P1_41239_26101285	NC_021162.1	Ca_kabuli_chr03	26101285	GG	AA	1940164868
SNP_P1_41240_26101426	NC_021162.1	Ca_kabuli_chr03	26101426	AA	GG	1940164870
SNP_P1_41241_26101750	NC_021162.1	Ca_kabuli_chr03	26101750	AA	TT	1940164872
SNP_P1_41242_26101861	NC_021162.1	Ca_kabuli_chr03	26101861	GG	CC	1940164874
SNP_P1_41246_26107843	NC_021162.1	Ca_kabuli_chr03	26107843	AA	TT	1940164877
SNP_P1_41247_26108236	NC_021162.1	Ca_kabuli_chr03	26108236	TT	CC	1940164879
SNP_P1_41248_26113872	NC_021162.1	Ca_kabuli_chr03	26113872	AA	GG	1940164881
SNP_P1_41250_26114159	NC_021162.1	Ca_kabuli_chr03	26114159	CC	AA	1940164883
SNP_P1_41251_26114176	NC_021162.1	Ca_kabuli_chr03	26114176	AA	TT	1940164886
SNP_P1_41253_26114539	NC_021162.1	Ca_kabuli_chr03	26114539	CC	GG	1940164888
SNP_P1_41254_26114734	NC_021162.1	Ca_kabuli_chr03	26114734	TT	CC	1940164890
SNP_P1_41255_26114742	NC_021162.1	Ca_kabuli_chr03	26114742	CC	TT	1940164892
SNP_P1_41256_26114743	NC_021162.1	Ca_kabuli_chr03	26114743	GG	AA	1940164894
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SNP_P1_41261_26115036	NC_021162.1	Ca_kabuli_chr03	26115036	AA	GG	1940164903
SNP_P1_41262_26115051	NC_021162.1	Ca_kabuli_chr03	26115051	GG	CC	1940164905
SNP_P1_41263_26115162	NC_021162.1	Ca_kabuli_chr03	26115162	AA	TT	1940164908
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SNP_P1_41265_26115202	NC_021162.1	Ca_kabuli_chr03	26115202	CC	GG	1940164912
SNP_P1_41266_26115226	NC_021162.1	Ca_kabuli_chr03	26115226	AA	TT	1940164914
SNP_P1_41267_26115322	NC_021162.1	Ca_kabuli_chr03	26115322	TT	AA	1940164916
SNP_P1_41268_26115384	NC_021162.1	Ca_kabuli_chr03	26115384	AA	TT	1940164919
SNP_P1_41269_26115435	NC_021162.1	Ca_kabuli_chr03	26115435	TT	GG	1940164921
SNP_P1_41270_26115491	NC_021162.1	Ca_kabuli_chr03	26115491	AA	GG	1940164923
SNP_P1_41271_26115543	NC_021162.1	Ca_kabuli_chr03	26115543	GG	AA	1940164925
SNP_P1_41272_26115748	NC_021162.1	Ca_kabuli_chr03	26115748	AA	TT	1940164927
SNP_P1_41273_26115856	NC_021162.1	Ca_kabuli_chr03	26115856	GG	CC	1940164929
SNP_P1_41274_26115864	NC_021162.1	Ca_kabuli_chr03	26115864	GG	AA	1940164932
SNP_P1_41275_26115961	NC_021162.1	Ca_kabuli_chr03	26115961	AA	GG	1940164934
SNP_P1_41276_26116385	NC_021162.1	Ca_kabuli_chr03	26116385	CC	TT	1940164936
SNP_P1_41277_26116392	NC_021162.1	Ca_kabuli_chr03	26116392	CC	GG	1940164938
SNP_P1_41278_26116396	NC_021162.1	Ca_kabuli_chr03	26116396	TT	CC	1940164940
SNP_P1_41279_26116399	NC_021162.1	Ca_kabuli_chr03	26116399	TT	CC	1940164943
SNP_P1_41280_26116717	NC_021162.1	Ca_kabuli_chr03	26116717	CC	AA	1940164945

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41284_26174976	NC_021162.1	Ca_kabuli_chr03	26174976	TT	CC	1940164951
SNP_P1_41285_26179921	NC_021162.1	Ca_kabuli_chr03	26179921	TT	AA	1940164954
SNP_P1_41286_26179972	NC_021162.1	Ca_kabuli_chr03	26179972	TT	CC	1940164956
SNP_P1_41288_26204025	NC_021162.1	Ca_kabuli_chr03	26204025	TT	CC	1940164958
SNP_P1_41289_26209537	NC_021162.1	Ca_kabuli_chr03	26209537	TT	CC	1940164960
SNP_P1_41290_26209541	NC_021162.1	Ca_kabuli_chr03	26209541	GG	AA	1940164962
SNP_P1_41291_26209542	NC_021162.1	Ca_kabuli_chr03	26209542	AA	CC	1940164965
SNP_P1_41292_26209776	NC_021162.1	Ca_kabuli_chr03	26209776	AA	GG	1940164967
SNP_P1_41293_26209807	NC_021162.1	Ca_kabuli_chr03	26209807	AA	GG	1940164969
SNP_P1_41294_26232236	NC_021162.1	Ca_kabuli_chr03	26232236	TT	AA	1940164971
SNP_P1_41296_26286569	NC_021162.1	Ca_kabuli_chr03	26286569	TT	GG	1940164973
SNP_P1_41298_26350505	NC_021162.1	Ca_kabuli_chr03	26350505	GG	TT	1940164975
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SNP_P1_41300_26396126	NC_021162.1	Ca_kabuli_chr03	26396126	TT	GG	1940164980
SNP_P1_41301_26396130	NC_021162.1	Ca_kabuli_chr03	26396130	TT	CC	1940164982
SNP_P1_41302_26433067	NC_021162.1	Ca_kabuli_chr03	26433067	GG	AA	1940164984
SNP_P1_41303_26439635	NC_021162.1	Ca_kabuli_chr03	26439635	CC	TT	1940164986
SNP_P1_41304_26439643	NC_021162.1	Ca_kabuli_chr03	26439643	CC	TT	1940164989
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SNP_P1_41306_26443281	NC_021162.1	Ca_kabuli_chr03	26443281	GG	TT	1940164993
SNP_P1_41307_26478729	NC_021162.1	Ca_kabuli_chr03	26478729	GG	TT	1940164995
SNP_P1_41308_26483898	NC_021162.1	Ca_kabuli_chr03	26483898	AA	GG	1940164997
SNP_P1_41309_26483938	NC_021162.1	Ca_kabuli_chr03	26483938	AA	GG	1940165000
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SNP_P1_41312_26484345	NC_021162.1	Ca_kabuli_chr03	26484345	AA	CC	1940165006
SNP_P1_41313_26486721	NC_021162.1	Ca_kabuli_chr03	26486721	AA	TT	1940165008
SNP_P1_41314_26495558	NC_021162.1	Ca_kabuli_chr03	26495558	GG	AA	1940165011
SNP_P1_41315_26495591	NC_021162.1	Ca_kabuli_chr03	26495591	AA	GG	1940165013
SNP_P1_41316_26495683	NC_021162.1	Ca_kabuli_chr03	26495683	TT	CC	1940165015
SNP_P1_41317_26495685	NC_021162.1	Ca_kabuli_chr03	26495685	TT	CC	1940165017
SNP_P1_41318_26495689	NC_021162.1	Ca_kabuli_chr03	26495689	AA	TT	1940165019
SNP_P1_41319_26495714	NC_021162.1	Ca_kabuli_chr03	26495714	TT	AA	1940165022
SNP_P1_41320_26495765	NC_021162.1	Ca_kabuli_chr03	26495765	TT	AA	1940165024
SNP_P1_41322_26495815	NC_021162.1	Ca_kabuli_chr03	26495815	GG	AA	1940165026
SNP_P1_41323_26495930	NC_021162.1	Ca_kabuli_chr03	26495930	TT	AA	1940165028
SNP_P1_41324_26495956	NC_021162.1	Ca_kabuli_chr03	26495956	CC	TT	1940165030
SNP_P1_41325_26496003	NC_021162.1	Ca_kabuli_chr03	26496003	AA	CC	1940165033
SNP_P1_41326_26496135	NC_021162.1	Ca_kabuli_chr03	26496135	AA	GG	1940165035
SNP_P1_41327_26496154	NC_021162.1	Ca_kabuli_chr03	26496154	AA	GG	1940165037

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41329_26496191	NC_021162.1	Ca_kabuli_chr03	26496191	TT	GG	1940165041
SNP_P1_41330_26502361	NC_021162.1	Ca_kabuli_chr03	26502361	AA	TT	1940165044
SNP_P1_41331_26510633	NC_021162.1	Ca_kabuli_chr03	26510633	AA	TT	1940165046
SNP_P1_41332_26510984	NC_021162.1	Ca_kabuli_chr03	26510984	TT	CC	1940165048
SNP_P1_41333_26584974	NC_021162.1	Ca_kabuli_chr03	26584974	CC	TT	1940165050
SNP_P1_41334_26652455	NC_021162.1	Ca_kabuli_chr03	26652455	CC	TT	1940165052
SNP_P1_41335_26652965	NC_021162.1	Ca_kabuli_chr03	26652965	AA	GG	1940165055
SNP_P1_41337_26666912	NC_021162.1	Ca_kabuli_chr03	26666912	GG	AA	1940165058
SNP_P1_41338_26686647	NC_021162.1	Ca_kabuli_chr03	26686647	TT	GG	1940165060
SNP_P1_41339_26686950	NC_021162.1	Ca_kabuli_chr03	26686950	CC	TT	1940165063
SNP_P1_41340_26707690	NC_021162.1	Ca_kabuli_chr03	26707690	TT	CC	1940165065
SNP_P1_41341_26707753	NC_021162.1	Ca_kabuli_chr03	26707753	CC	GG	1940165067
SNP_P1_41342_26708024	NC_021162.1	Ca_kabuli_chr03	26708024	TT	AA	1940165069
SNP_P1_41343_26708079	NC_021162.1	Ca_kabuli_chr03	26708079	TT	GG	1940165071
SNP_P1_41344_26708087	NC_021162.1	Ca_kabuli_chr03	26708087	CC	AA	1940165074
SNP_P1_41345_26713926	NC_021162.1	Ca_kabuli_chr03	26713926	GG	CC	1940165076
SNP_P1_41346_26770871	NC_021162.1	Ca_kabuli_chr03	26770871	AA	TT	1940165078
SNP_P1_41347_26776724	NC_021162.1	Ca_kabuli_chr03	26776724	CC	AA	1940165080
SNP_P1_41348_26777023	NC_021162.1	Ca_kabuli_chr03	26777023	CC	TT	1940165082
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SNP_P1_41350_26777114	NC_021162.1	Ca_kabuli_chr03	26777114	GG	CC	1940165087
SNP_P1_41351_26777125	NC_021162.1	Ca_kabuli_chr03	26777125	AA	GG	1940165089
SNP_P1_41352_26777142	NC_021162.1	Ca_kabuli_chr03	26777142	CC	TT	1940165091
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SNP_P1_41355_26792931	NC_021162.1	Ca_kabuli_chr03	26792931	AA	GG	1940165095
SNP_P1_41356_26792959	NC_021162.1	Ca_kabuli_chr03	26792959	AA	GG	1940165098
SNP_P1_41357_26794373	NC_021162.1	Ca_kabuli_chr03	26794373	AA	TT	1940165100
SNP_P1_41358_26800867	NC_021162.1	Ca_kabuli_chr03	26800867	GG	TT	1940165102
SNP_P1_41359_26838231	NC_021162.1	Ca_kabuli_chr03	26838231	GG	AA	1940165104
SNP_P1_41360_26857997	NC_021162.1	Ca_kabuli_chr03	26857997	CC	TT	1940165106
SNP_P1_41363_26875885	NC_021162.1	Ca_kabuli_chr03	26875885	CC	GG	1940165109
SNP_P1_41364_26884516	NC_021162.1	Ca_kabuli_chr03	26884516	AA	TT	1940165111
SNP_P1_41365_26897312	NC_021162.1	Ca_kabuli_chr03	26897312	CC	TT	1940165113
SNP_P1_41366_26897934	NC_021162.1	Ca_kabuli_chr03	26897934	GG	AA	1940165115
SNP_P1_41367_26919671	NC_021162.1	Ca_kabuli_chr03	26919671	AA	TT	1940165117
SNP_P1_41370_26967658	NC_021162.1	Ca_kabuli_chr03	26967658	CC	TT	1940165119
SNP_P1_41371_26977189	NC_021162.1	Ca_kabuli_chr03	26977189	AA	TT	1940165122
SNP_P1_41373_27004272	NC_021162.1	Ca_kabuli_chr03	27004272	TT	CC	1940165124
SNP_P1_41374_27039857	NC_021162.1	Ca_kabuli_chr03	27039857	AA	TT	1940165126
SNP_P1_41375_27052304	NC_021162.1	Ca_kabuli_chr03	27052304	AA	TT	1940165128
SNP_P1_41376_27055450	NC_021162.1	Ca_kabuli_chr03	27055450	GG	AA	1940165130

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41380_27080870	NC_021162.1	Ca_kabuli_chr03	27080870	TT	CC	1940165137
SNP_P1_41381_27082272	NC_021162.1	Ca_kabuli_chr03	27082272	TT	CC	1940165139
SNP_P1_41382_27097607	NC_021162.1	Ca_kabuli_chr03	27097607	AA	GG	1940165141
SNP_P1_41383_27111082	NC_021162.1	Ca_kabuli_chr03	27111082	CC	TT	1940165143
SNP_P1_41386_27174816	NC_021162.1	Ca_kabuli_chr03	27174816	AA	GG	1940165146
SNP_P1_41388_27224583	NC_021162.1	Ca_kabuli_chr03	27224583	TT	AA	1940165148
SNP_P1_41389_27225900	NC_021162.1	Ca_kabuli_chr03	27225900	AA	GG	1940165150
SNP_P1_41390_27228199	NC_021162.1	Ca_kabuli_chr03	27228199	TT	GG	1940165152
SNP_P1_41391_27228445	NC_021162.1	Ca_kabuli_chr03	27228445	GG	TT	1940165154
SNP_P1_41392_27233597	NC_021162.1	Ca_kabuli_chr03	27233597	GG	AA	1940165157
SNP_P1_41393_27238032	NC_021162.1	Ca_kabuli_chr03	27238032	TT	GG	1940165159
SNP_P1_41394_27238879	NC_021162.1	Ca_kabuli_chr03	27238879	AA	GG	1940165161
SNP_P1_41395_27240340	NC_021162.1	Ca_kabuli_chr03	27240340	TT	AA	1940165163
SNP_P1_41396_27240500	NC_021162.1	Ca_kabuli_chr03	27240500	GG	AA	1940165165
SNP_P1_41397_27240617	NC_021162.1	Ca_kabuli_chr03	27240617	TT	CC	1940165168
SNP_P1_41398_27240695	NC_021162.1	Ca_kabuli_chr03	27240695	GG	AA	1940165170
SNP_P1_41399_27240708	NC_021162.1	Ca_kabuli_chr03	27240708	TT	CC	1940165172
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SNP_P1_41402_27242503	NC_021162.1	Ca_kabuli_chr03	27242503	TT	AA	1940165178
SNP_P1_41403_27242510	NC_021162.1	Ca_kabuli_chr03	27242510	CC	TT	1940165181
SNP_P1_41404_27242529	NC_021162.1	Ca_kabuli_chr03	27242529	TT	AA	1940165183
SNP_P1_41405_27244284	NC_021162.1	Ca_kabuli_chr03	27244284	AA	TT	1940165185
SNP_P1_41406_27245484	NC_021162.1	Ca_kabuli_chr03	27245484	GG	AA	1940165187
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SNP_P1_41409_27255819	NC_021162.1	Ca_kabuli_chr03	27255819	TT	GG	1940165194
SNP_P1_41412_27282055	NC_021162.1	Ca_kabuli_chr03	27282055	AA	TT	1940165196
SNP_P1_41413_27282648	NC_021162.1	Ca_kabuli_chr03	27282648	GG	AA	1940165198
SNP_P1_41417_27306870	NC_021162.1	Ca_kabuli_chr03	27306870	AA	GG	1940165200
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SNP_P1_41419_27345014	NC_021162.1	Ca_kabuli_chr03	27345014	AA	CC	1940165205
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SNP_P1_41421_27380431	NC_021162.1	Ca_kabuli_chr03	27380431	CC	AA	1940165209
SNP_P1_41423_27397784	NC_021162.1	Ca_kabuli_chr03	27397784	GG	TT	1940165211
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SNP_P1_41425_27415667	NC_021162.1	Ca_kabuli_chr03	27415667	TT	AA	1940165216
SNP_P1_41426_27420388	NC_021162.1	Ca_kabuli_chr03	27420388	CC	AA	1940165218
SNP_P1_41427_27423929	NC_021162.1	Ca_kabuli_chr03	27423929	AA	TT	1940165220
SNP_P1_41428_27428543	NC_021162.1	Ca_kabuli_chr03	27428543	GG	AA	1940165222

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41433_27522468	NC_021162.1	Ca_kabuli_chr03	27522468	CC	TT	1940165229
SNP_P1_41435_27553488	NC_021162.1	Ca_kabuli_chr03	27553488	CC	GG	1940165231
SNP_P1_41436_27570150	NC_021162.1	Ca_kabuli_chr03	27570150	CC	TT	1940165233
SNP_P1_41438_27582313	NC_021162.1	Ca_kabuli_chr03	27582313	AA	TT	1940165236
SNP_P1_41439_27582357	NC_021162.1	Ca_kabuli_chr03	27582357	CC	AA	1940165238
SNP_P1_41441_27582517	NC_021162.1	Ca_kabuli_chr03	27582517	GG	CC	1940165240
SNP_P1_41442_27582610	NC_021162.1	Ca_kabuli_chr03	27582610	CC	GG	1940165242
SNP_P1_41443_27582645	NC_021162.1	Ca_kabuli_chr03	27582645	TT	CC	1940165244
SNP_P1_41444_27582866	NC_021162.1	Ca_kabuli_chr03	27582866	CC	TT	1940165247
SNP_P1_41445_27582869	NC_021162.1	Ca_kabuli_chr03	27582869	TT	CC	1940165249
SNP_P1_41446_27585058	NC_021162.1	Ca_kabuli_chr03	27585058	TT	CC	1940165251
SNP_P1_41447_27585524	NC_021162.1	Ca_kabuli_chr03	27585524	AA	GG	1940165253
SNP_P1_41448_27592004	NC_021162.1	Ca_kabuli_chr03	27592004	GG	AA	1940165255
SNP_P1_41450_27601869	NC_021162.1	Ca_kabuli_chr03	27601869	TT	AA	1940165258
SNP_P1_41451_27602073	NC_021162.1	Ca_kabuli_chr03	27602073	GG	AA	1940165260
SNP_P1_41453_27629059	NC_021162.1	Ca_kabuli_chr03	27629059	CC	TT	1940165262
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SNP_P1_41457_27682272	NC_021162.1	Ca_kabuli_chr03	27682272	CC	TT	1940165266
SNP_P1_41458_27682310	NC_021162.1	Ca_kabuli_chr03	27682310	AA	GG	1940165269
SNP_P1_41459_27690842	NC_021162.1	Ca_kabuli_chr03	27690842	TT	CC	1940165271
SNP_P1_41460_27695675	NC_021162.1	Ca_kabuli_chr03	27695675	GG	AA	1940165273
SNP_P1_41461_27705036	NC_021162.1	Ca_kabuli_chr03	27705036	GG	AA	1940165275
SNP_P1_41462_27733470	NC_021162.1	Ca_kabuli_chr03	27733470	GG	AA	1940165277
SNP_P1_41463_27734442	NC_021162.1	Ca_kabuli_chr03	27734442	TT	CC	1940165280
SNP_P1_41464_27736094	NC_021162.1	Ca_kabuli_chr03	27736094	AA	GG	1940165282
SNP_P1_41465_27736098	NC_021162.1	Ca_kabuli_chr03	27736098	AA	GG	1940165284
SNP_P1_41466_27736128	NC_021162.1	Ca_kabuli_chr03	27736128	TT	AA	1940165286
SNP_P1_41467_27751696	NC_021162.1	Ca_kabuli_chr03	27751696	AA	TT	1940165288
SNP_P1_41469_27768888	NC_021162.1	Ca_kabuli_chr03	27768888	TT	CC	1940165291
SNP_P1_41470_27775206	NC_021162.1	Ca_kabuli_chr03	27775206	CC	TT	1940165293
SNP_P1_41471_27775207	NC_021162.1	Ca_kabuli_chr03	27775207	AA	CC	1940165295
SNP_P1_41472_27775212	NC_021162.1	Ca_kabuli_chr03	27775212	TT	AA	1940165297
SNP_P1_41473_27787075	NC_021162.1	Ca_kabuli_chr03	27787075	GG	TT	1940165299
SNP_P1_41474_27787076	NC_021162.1	Ca_kabuli_chr03	27787076	AA	TT	1940165302
SNP_P1_41477_27832941	NC_021162.1	Ca_kabuli_chr03	27832941	GG	AA	1940165304
SNP_P1_41478_27836542	NC_021162.1	Ca_kabuli_chr03	27836542	AA	GG	1940165306
SNP_P1_41479_27843614	NC_021162.1	Ca_kabuli_chr03	27843614	TT	AA	1940165308
SNP_P1_41480_27846763	NC_021162.1	Ca_kabuli_chr03	27846763	TT	CC	1940165310
SNP_P1_41481_27849884	NC_021162.1	Ca_kabuli_chr03	27849884	TT	AA	1940165312
SNP_P1_41482_27853044	NC_021162.1	Ca_kabuli_chr03	27853044	AA	TT	1940165315

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41484_27854097	NC_021162.1	Ca_kabuli_chr03	27854097	GG	AA	1940165319
SNP_P1_41486_27854270	NC_021162.1	Ca_kabuli_chr03	27854270	AA	GG	1940165321
SNP_P1_41487_27854283	NC_021162.1	Ca_kabuli_chr03	27854283	CC	TT	1940165323
SNP_P1_41488_27854306	NC_021162.1	Ca_kabuli_chr03	27854306	GG	AA	1940165326
SNP_P1_41489_27854352	NC_021162.1	Ca_kabuli_chr03	27854352	TT	CC	1940165328
SNP_P1_41490_27854355	NC_021162.1	Ca_kabuli_chr03	27854355	GG	AA	1940165330
SNP_P1_41491_27854427	NC_021162.1	Ca_kabuli_chr03	27854427	TT	AA	1940165332
SNP_P1_41492_27854555	NC_021162.1	Ca_kabuli_chr03	27854555	GG	AA	1940165334
SNP_P1_41493_27854694	NC_021162.1	Ca_kabuli_chr03	27854694	AA	GG	1940165337
SNP_P1_41494_27854695	NC_021162.1	Ca_kabuli_chr03	27854695	AA	GG	1940165339
SNP_P1_41495_27854731	NC_021162.1	Ca_kabuli_chr03	27854731	AA	GG	1940165341
SNP_P1_41496_27854735	NC_021162.1	Ca_kabuli_chr03	27854735	AA	GG	1940165343
SNP_P1_41497_27854744	NC_021162.1	Ca_kabuli_chr03	27854744	GG	TT	1940165345
SNP_P1_41499_27854816	NC_021162.1	Ca_kabuli_chr03	27854816	GG	TT	1940165348
SNP_P1_41501_27855139	NC_021162.1	Ca_kabuli_chr03	27855139	AA	CC	1940165350
SNP_P1_41502_27856730	NC_021162.1	Ca_kabuli_chr03	27856730	GG	AA	1940165352
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SNP_P1_41506_27863718	NC_021162.1	Ca_kabuli_chr03	27863718	TT	AA	1940165356
SNP_P1_41508_27866897	NC_021162.1	Ca_kabuli_chr03	27866897	AA	CC	1940165359
SNP_P1_41509_27866904	NC_021162.1	Ca_kabuli_chr03	27866904	TT	CC	1940165361
SNP_P1_41510_27866950	NC_021162.1	Ca_kabuli_chr03	27866950	AA	GG	1940165363
SNP_P1_41511_27867189	NC_021162.1	Ca_kabuli_chr03	27867189	GG	AA	1940165365
SNP_P1_41512_27867193	NC_021162.1	Ca_kabuli_chr03	27867193	AA	TT	1940165367
SNP_P1_41513_27867222	NC_021162.1	Ca_kabuli_chr03	27867222	AA	CC	1940165370
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SNP_P1_41516_27867729	NC_021162.1	Ca_kabuli_chr03	27867729	CC	GG	1940165376
SNP_P1_41517_27867734	NC_021162.1	Ca_kabuli_chr03	27867734	GG	AA	1940165378
SNP_P1_41518_27867748	NC_021162.1	Ca_kabuli_chr03	27867748	TT	CC	1940165381
SNP_P1_41519_27868075	NC_021162.1	Ca_kabuli_chr03	27868075	CC	TT	1940165383
SNP_P1_41520_27869912	NC_021162.1	Ca_kabuli_chr03	27869912	GG	AA	1940165385
SNP_P1_41521_27870132	NC_021162.1	Ca_kabuli_chr03	27870132	TT	CC	1940165387
SNP_P1_41523_27874261	NC_021162.1	Ca_kabuli_chr03	27874261	AA	GG	1940165389
SNP_P1_41524_27884114	NC_021162.1	Ca_kabuli_chr03	27884114	AA	CC	1940165392
SNP_P1_41525_27942629	NC_021162.1	Ca_kabuli_chr03	27942629	TT	AA	1940165394
SNP_P1_41526_27943942	NC_021162.1	Ca_kabuli_chr03	27943942	TT	AA	1940165396
SNP_P1_41528_27950343	NC_021162.1	Ca_kabuli_chr03	27950343	CC	TT	1940165398
SNP_P1_41530_27970929	NC_021162.1	Ca_kabuli_chr03	27970929	CC	GG	1940165401
SNP_P1_41533_28014298	NC_021162.1	Ca_kabuli_chr03	28014298	TT	AA	1940165403
SNP_P1_41534_28052340	NC_021162.1	Ca_kabuli_chr03	28052340	CC	TT	1940165405
SNP_P1_41535_28052345	NC_021162.1	Ca_kabuli_chr03	28052345	CC	TT	1940165407

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41538_28052822	NC_021162.1	Ca_kabuli_chr03	28052822	CC	GG	1940165411
SNP_P1_41539_28073174	NC_021162.1	Ca_kabuli_chr03	28073174	CC	GG	1940165414
SNP_P1_41540_28074907	NC_021162.1	Ca_kabuli_chr03	28074907	TT	AA	1940165416
SNP_P1_41541_28075103	NC_021162.1	Ca_kabuli_chr03	28075103	CC	TT	1940165418
SNP_P1_41542_28109511	NC_021162.1	Ca_kabuli_chr03	28109511	CC	AA	1940165420
SNP_P1_41543_28109517	NC_021162.1	Ca_kabuli_chr03	28109517	AA	TT	1940165422
SNP_P1_41544_28109606	NC_021162.1	Ca_kabuli_chr03	28109606	TT	CC	1940165425
SNP_P1_41545_28109758	NC_021162.1	Ca_kabuli_chr03	28109758	AA	GG	1940165427
SNP_P1_41546_28112835	NC_021162.1	Ca_kabuli_chr03	28112835	TT	CC	1940165429
SNP_P1_41548_28114045	NC_021162.1	Ca_kabuli_chr03	28114045	AA	TT	1940165431
SNP_P1_41549_28135096	NC_021162.1	Ca_kabuli_chr03	28135096	AA	TT	1940165433
SNP_P1_41550_28135100	NC_021162.1	Ca_kabuli_chr03	28135100	TT	AA	1940165436
SNP_P1_41551_28138128	NC_021162.1	Ca_kabuli_chr03	28138128	TT	AA	1940165438
SNP_P1_41552_28138130	NC_021162.1	Ca_kabuli_chr03	28138130	CC	TT	1940165440
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SNP_P1_41555_28150628	NC_021162.1	Ca_kabuli_chr03	28150628	AA	CC	1940165444
SNP_P1_41556_28179007	NC_021162.1	Ca_kabuli_chr03	28179007	TT	CC	1940165447
SNP_P1_41557_28183914	NC_021162.1	Ca_kabuli_chr03	28183914	AA	GG	1940165449
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SNP_P1_41562_28188406	NC_021162.1	Ca_kabuli_chr03	28188406	AA	TT	1940165458
SNP_P1_41563_28188412	NC_021162.1	Ca_kabuli_chr03	28188412	GG	AA	1940165460
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SNP_P1_41566_28188497	NC_021162.1	Ca_kabuli_chr03	28188497	AA	GG	1940165464
SNP_P1_41567_28188528	NC_021162.1	Ca_kabuli_chr03	28188528	CC	TT	1940165466
SNP_P1_41568_28188765	NC_021162.1	Ca_kabuli_chr03	28188765	AA	TT	1940165468
SNP_P1_41570_28193234	NC_021162.1	Ca_kabuli_chr03	28193234	GG	AA	1940165471
SNP_P1_41571_28193238	NC_021162.1	Ca_kabuli_chr03	28193238	GG	AA	1940165473
SNP_P1_41572_28193301	NC_021162.1	Ca_kabuli_chr03	28193301	CC	TT	1940165475
SNP_P1_41573_28195485	NC_021162.1	Ca_kabuli_chr03	28195485	GG	TT	1940165477
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SNP_P1_41576_28198303	NC_021162.1	Ca_kabuli_chr03	28198303	TT	AA	1940165482
SNP_P1_41577_28198304	NC_021162.1	Ca_kabuli_chr03	28198304	CC	TT	1940165484
SNP_P1_41578_28198336	NC_021162.1	Ca_kabuli_chr03	28198336	TT	CC	1940165486
SNP_P1_41579_28198384	NC_021162.1	Ca_kabuli_chr03	28198384	CC	TT	1940165488
SNP_P1_41580_28198392	NC_021162.1	Ca_kabuli_chr03	28198392	AA	GG	1940165490
SNP_P1_41581_28203824	NC_021162.1	Ca_kabuli_chr03	28203824	AA	GG	1940165492
SNP_P1_41582_28203837	NC_021162.1	Ca_kabuli_chr03	28203837	GG	CC	1940165495
SNP_P1_41583_28203842	NC_021162.1	Ca_kabuli_chr03	28203842	AA	GG	1940165497
SNP_P1_41585_28217677	NC_021162.1	Ca_kabuli_chr03	28217677	AA	GG	1940165499

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41588_28221910	NC_021162.1	Ca_kabuli_chr03	28221910	AA	GG	1940165506
SNP_P1_41589_28223663	NC_021162.1	Ca_kabuli_chr03	28223663	CC	TT	1940165508
SNP_P1_41590_28226516	NC_021162.1	Ca_kabuli_chr03	28226516	CC	TT	1940165510
SNP_P1_41591_28229593	NC_021162.1	Ca_kabuli_chr03	28229593	TT	GG	1940165512
SNP_P1_41592_28265584	NC_021162.1	Ca_kabuli_chr03	28265584	TT	CC	1940165514
SNP_P1_41593_28265586	NC_021162.1	Ca_kabuli_chr03	28265586	TT	CC	1940165516
SNP_P1_41594_28266633	NC_021162.1	Ca_kabuli_chr03	28266633	TT	CC	1940165518
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SNP_P1_41596_28268263	NC_021162.1	Ca_kabuli_chr03	28268263	AA	TT	1940165523
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SNP_P1_41600_28317187	NC_021162.1	Ca_kabuli_chr03	28317187	TT	AA	1940165527
SNP_P1_41603_28354798	NC_021162.1	Ca_kabuli_chr03	28354798	AA	TT	1940165529
SNP_P1_41604_28354917	NC_021162.1	Ca_kabuli_chr03	28354917	GG	AA	1940165531
SNP_P1_41605_28356476	NC_021162.1	Ca_kabuli_chr03	28356476	TT	CC	1940165534
SNP_P1_41607_28358002	NC_021162.1	Ca_kabuli_chr03	28358002	TT	AA	1940165536
SNP_P1_41608_28362634	NC_021162.1	Ca_kabuli_chr03	28362634	TT	CC	1940165539
SNP_P1_41609_28407926	NC_021162.1	Ca_kabuli_chr03	28407926	TT	AA	1940165541
SNP_P1_41610_28421658	NC_021162.1	Ca_kabuli_chr03	28421658	GG	AA	1940165543
SNP_P1_41612_28445495	NC_021162.1	Ca_kabuli_chr03	28445495	CC	AA	1940165546
SNP_P1_41613_28469269	NC_021162.1	Ca_kabuli_chr03	28469269	AA	GG	1940165548
SNP_P1_41616_28513622	NC_021162.1	Ca_kabuli_chr03	28513622	AA	TT	1940165550
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SNP_P1_41619_28530612	NC_021162.1	Ca_kabuli_chr03	28530612	AA	GG	1940165554
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SNP_P1_41622_28539908	NC_021162.1	Ca_kabuli_chr03	28539908	AA	GG	1940165559
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SNP_P1_41627_28668327	NC_021162.1	Ca_kabuli_chr03	28668327	GG	TT	1940165570
SNP_P1_41628_28668334	NC_021162.1	Ca_kabuli_chr03	28668334	GG	AA	1940165572
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SNP_P1_41631_28675788	NC_021162.1	Ca_kabuli_chr03	28675788	TT	AA	1940165576
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SNP_P1_41634_28702017	NC_021162.1	Ca_kabuli_chr03	28702017	AA	CC	1940165580
SNP_P1_41635_28702038	NC_021162.1	Ca_kabuli_chr03	28702038	AA	CC	1940165583
SNP_P1_41636_28703079	NC_021162.1	Ca_kabuli_chr03	28703079	CC	TT	1940165585
SNP_P1_41637_28752373	NC_021162.1	Ca_kabuli_chr03	28752373	AA	GG	1940165587
SNP_P1_41638_28759552	NC_021162.1	Ca_kabuli_chr03	28759552	CC	TT	1940165589
SNP_P1_41640_28783223	NC_021162.1	Ca_kabuli_chr03	28783223	TT	CC	1940165591

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41643_28783252	NC_021162.1	Ca_kabuli_chr03	28783252	CC	TT	1940165598
SNP_P1_41644_28783261	NC_021162.1	Ca_kabuli_chr03	28783261	GG	CC	1940165600
SNP_P1_41646_28797235	NC_021162.1	Ca_kabuli_chr03	28797235	GG	TT	1940165602
SNP_P1_41648_28797835	NC_021162.1	Ca_kabuli_chr03	28797835	GG	CC	1940165604
SNP_P1_41649_28799176	NC_021162.1	Ca_kabuli_chr03	28799176	CC	TT	1940165607
SNP_P1_41650_28799215	NC_021162.1	Ca_kabuli_chr03	28799215	AA	CC	1940165609
SNP_P1_41651_28799300	NC_021162.1	Ca_kabuli_chr03	28799300	GG	AA	1940165611
SNP_P1_41652_28799332	NC_021162.1	Ca_kabuli_chr03	28799332	AA	TT	1940165613
SNP_P1_41653_28799366	NC_021162.1	Ca_kabuli_chr03	28799366	CC	TT	1940165615
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SNP_P1_41655_28799381	NC_021162.1	Ca_kabuli_chr03	28799381	TT	AA	1940165620
SNP_P1_41657_28799482	NC_021162.1	Ca_kabuli_chr03	28799482	AA	GG	1940165622
SNP_P1_41658_28799558	NC_021162.1	Ca_kabuli_chr03	28799558	AA	CC	1940165624
SNP_P1_41660_28799600	NC_021162.1	Ca_kabuli_chr03	28799600	GG	AA	1940165626
SNP_P1_41661_28799626	NC_021162.1	Ca_kabuli_chr03	28799626	GG	AA	1940165628
SNP_P1_41662_28799633	NC_021162.1	Ca_kabuli_chr03	28799633	TT	CC	1940165631
SNP_P1_41663_28799779	NC_021162.1	Ca_kabuli_chr03	28799779	TT	CC	1940165633
SNP_P1_41664_28799803	NC_021162.1	Ca_kabuli_chr03	28799803	CC	AA	1940165635
SNP_P1_41665_28799805	NC_021162.1	Ca_kabuli_chr03	28799805	GG	TT	1940165637
SNP_P1_41666_28799843	NC_021162.1	Ca_kabuli_chr03	28799843	AA	GG	1940165639
SNP_P1_41667_28799850	NC_021162.1	Ca_kabuli_chr03	28799850	TT	AA	1940165641
SNP_P1_41668_28799879	NC_021162.1	Ca_kabuli_chr03	28799879	GG	AA	1940165644
SNP_P1_41669_28799880	NC_021162.1	Ca_kabuli_chr03	28799880	TT	GG	1940165646
SNP_P1_41670_28799930	NC_021162.1	Ca_kabuli_chr03	28799930	GG	AA	1940165648
SNP_P1_41671_28800011	NC_021162.1	Ca_kabuli_chr03	28800011	TT	AA	1940165650
SNP_P1_41672_28800018	NC_021162.1	Ca_kabuli_chr03	28800018	AA	TT	1940165652
SNP_P1_41673_28800020	NC_021162.1	Ca_kabuli_chr03	28800020	AA	GG	1940165655
SNP_P1_41674_28800347	NC_021162.1	Ca_kabuli_chr03	28800347	TT	CC	1940165657
SNP_P1_41675_28835915	NC_021162.1	Ca_kabuli_chr03	28835915	GG	CC	1940165659
SNP_P1_41676_28839092	NC_021162.1	Ca_kabuli_chr03	28839092	TT	AA	1940165661
SNP_P1_41677_28839094	NC_021162.1	Ca_kabuli_chr03	28839094	CC	GG	1940165663
SNP_P1_41678_28839676	NC_021162.1	Ca_kabuli_chr03	28839676	TT	CC	1940165665
SNP_P1_41679_28844373	NC_021162.1	Ca_kabuli_chr03	28844373	TT	CC	1940165668
SNP_P1_41681_28870353	NC_021162.1	Ca_kabuli_chr03	28870353	GG	AA	1940165670
SNP_P1_41682_28889456	NC_021162.1	Ca_kabuli_chr03	28889456	TT	AA	1940165672
SNP_P1_41683_28902055	NC_021162.1	Ca_kabuli_chr03	28902055	CC	TT	1940165674
SNP_P1_41684_28902233	NC_021162.1	Ca_kabuli_chr03	28902233	AA	TT	1940165676
SNP_P1_41685_28919950	NC_021162.1	Ca_kabuli_chr03	28919950	TT	CC	1940165679
SNP_P1_41686_28923981	NC_021162.1	Ca_kabuli_chr03	28923981	AA	CC	1940165681
SNP_P1_41687_28924217	NC_021162.1	Ca_kabuli_chr03	28924217	AA	GG	1940165683

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41691_28994626	NC_021162.1	Ca_kabuli_chr03	28994626	TT	CC	1940165687
SNP_P1_41692_28994737	NC_021162.1	Ca_kabuli_chr03	28994737	CC	AA	1940165690
SNP_P1_41693_28994904	NC_021162.1	Ca_kabuli_chr03	28994904	TT	GG	1940165692
SNP_P1_41694_28994916	NC_021162.1	Ca_kabuli_chr03	28994916	AA	GG	1940165694
SNP_P1_41695_28994917	NC_021162.1	Ca_kabuli_chr03	28994917	TT	CC	1940165696
SNP_P1_41697_28994994	NC_021162.1	Ca_kabuli_chr03	28994994	CC	TT	1940165698
SNP_P1_41698_28994995	NC_021162.1	Ca_kabuli_chr03	28994995	AA	CC	1940165700
SNP_P1_41699_28995029	NC_021162.1	Ca_kabuli_chr03	28995029	GG	TT	1940165703
SNP_P1_41700_28995047	NC_021162.1	Ca_kabuli_chr03	28995047	CC	TT	1940165705
SNP_P1_41701_28995098	NC_021162.1	Ca_kabuli_chr03	28995098	AA	GG	1940165707
SNP_P1_41702_28995112	NC_021162.1	Ca_kabuli_chr03	28995112	CC	AA	1940165709
SNP_P1_41704_28995158	NC_021162.1	Ca_kabuli_chr03	28995158	TT	CC	1940165711
SNP_P1_41705_28995293	NC_021162.1	Ca_kabuli_chr03	28995293	GG	CC	1940165714
SNP_P1_41706_28995357	NC_021162.1	Ca_kabuli_chr03	28995357	AA	GG	1940165716
SNP_P1_41707_28995359	NC_021162.1	Ca_kabuli_chr03	28995359	GG	AA	1940165718
SNP_P1_41708_28995368	NC_021162.1	Ca_kabuli_chr03	28995368	AA	CC	1940165720
SNP_P1_41709_28995379	NC_021162.1	Ca_kabuli_chr03	28995379	AA	GG	1940165722
SNP_P1_41710_28995407	NC_021162.1	Ca_kabuli_chr03	28995407	AA	GG	1940165725
SNP_P1_41711_28995492	NC_021162.1	Ca_kabuli_chr03	28995492	AA	GG	1940165727
SNP_P1_41712_28995566	NC_021162.1	Ca_kabuli_chr03	28995566	TT	AA	1940165729
SNP_P1_41713_28995571	NC_021162.1	Ca_kabuli_chr03	28995571	CC	TT	1940165731
SNP_P1_41714_28995576	NC_021162.1	Ca_kabuli_chr03	28995576	TT	GG	1940165733
SNP_P1_41715_28995586	NC_021162.1	Ca_kabuli_chr03	28995586	GG	AA	1940165735
SNP_P1_41716_28996624	NC_021162.1	Ca_kabuli_chr03	28996624	GG	TT	1940165737
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SNP_P1_41719_28996928	NC_021162.1	Ca_kabuli_chr03	28996928	AA	GG	1940165742
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SNP_P1_41722_28996971	NC_021162.1	Ca_kabuli_chr03	28996971	TT	AA	1940165748
SNP_P1_41723_28996977	NC_021162.1	Ca_kabuli_chr03	28996977	TT	CC	1940165750
SNP_P1_41724_28997022	NC_021162.1	Ca_kabuli_chr03	28997022	CC	TT	1940165753
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SNP_P1_41726_28997140	NC_021162.1	Ca_kabuli_chr03	28997140	TT	CC	1940165757
SNP_P1_41727_28997179	NC_021162.1	Ca_kabuli_chr03	28997179	GG	AA	1940165759
SNP_P1_41728_28997337	NC_021162.1	Ca_kabuli_chr03	28997337	CC	TT	1940165761
SNP_P1_41729_28997338	NC_021162.1	Ca_kabuli_chr03	28997338	AA	GG	1940165764
SNP_P1_41730_28997389	NC_021162.1	Ca_kabuli_chr03	28997389	AA	CC	1940165766
SNP_P1_41731_28997427	NC_021162.1	Ca_kabuli_chr03	28997427	CC	TT	1940165768
SNP_P1_41732_28997453	NC_021162.1	Ca_kabuli_chr03	28997453	GG	AA	1940165770
SNP_P1_41733_28997472	NC_021162.1	Ca_kabuli_chr03	28997472	CC	AA	1940165772
SNP_P1_41734_28999544	NC_021162.1	Ca_kabuli_chr03	28999544	TT	AA	1940165775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41736_28999587	NC_021162.1	Ca_kabuli_chr03	28999587	CC	GG	1940165779
SNP_P1_41737_28999620	NC_021162.1	Ca_kabuli_chr03	28999620	AA	GG	1940165781
SNP_P1_41739_28999780	NC_021162.1	Ca_kabuli_chr03	28999780	AA	CC	1940165783
SNP_P1_41740_28999785	NC_021162.1	Ca_kabuli_chr03	28999785	CC	GG	1940165785
SNP_P1_41741_28999798	NC_021162.1	Ca_kabuli_chr03	28999798	CC	TT	1940165788
SNP_P1_41742_28999814	NC_021162.1	Ca_kabuli_chr03	28999814	AA	TT	1940165790
SNP_P1_41743_28999841	NC_021162.1	Ca_kabuli_chr03	28999841	AA	GG	1940165792
SNP_P1_41744_28999900	NC_021162.1	Ca_kabuli_chr03	28999900	CC	TT	1940165794
SNP_P1_41745_28999916	NC_021162.1	Ca_kabuli_chr03	28999916	TT	AA	1940165797
SNP_P1_41746_28999921	NC_021162.1	Ca_kabuli_chr03	28999921	AA	TT	1940165799
SNP_P1_41747_29000011	NC_021162.1	Ca_kabuli_chr03	29000011	TT	GG	1940165801
SNP_P1_41748_29000035	NC_021162.1	Ca_kabuli_chr03	29000035	TT	GG	1940165803
SNP_P1_41749_29000040	NC_021162.1	Ca_kabuli_chr03	29000040	CC	GG	1940165805
SNP_P1_41750_29000093	NC_021162.1	Ca_kabuli_chr03	29000093	AA	GG	1940165807
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SNP_P1_41752_29000220	NC_021162.1	Ca_kabuli_chr03	29000220	GG	AA	1940165812
SNP_P1_41753_29000223	NC_021162.1	Ca_kabuli_chr03	29000223	GG	AA	1940165814
SNP_P1_41754_29000240	NC_021162.1	Ca_kabuli_chr03	29000240	GG	AA	1940165816
SNP_P1_41755_29000268	NC_021162.1	Ca_kabuli_chr03	29000268	GG	AA	1940165818
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SNP_P1_41758_29000594	NC_021162.1	Ca_kabuli_chr03	29000594	CC	GG	1940165825
SNP_P1_41759_29000627	NC_021162.1	Ca_kabuli_chr03	29000627	GG	CC	1940165827
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SNP_P1_41761_29000723	NC_021162.1	Ca_kabuli_chr03	29000723	TT	AA	1940165831
SNP_P1_41762_29000745	NC_021162.1	Ca_kabuli_chr03	29000745	GG	AA	1940165834
SNP_P1_41763_29000758	NC_021162.1	Ca_kabuli_chr03	29000758	GG	TT	1940165836
SNP_P1_41764_29000770	NC_021162.1	Ca_kabuli_chr03	29000770	AA	GG	1940165838
SNP_P1_41765_29000771	NC_021162.1	Ca_kabuli_chr03	29000771	CC	TT	1940165840
SNP_P1_41766_29000775	NC_021162.1	Ca_kabuli_chr03	29000775	AA	TT	1940165842
SNP_P1_41767_29000790	NC_021162.1	Ca_kabuli_chr03	29000790	CC	TT	1940165844
SNP_P1_41768_29000808	NC_021162.1	Ca_kabuli_chr03	29000808	GG	CC	1940165847
SNP_P1_41769_29000810	NC_021162.1	Ca_kabuli_chr03	29000810	CC	TT	1940165849
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SNP_P1_41773_29000847	NC_021162.1	Ca_kabuli_chr03	29000847	AA	TT	1940165855
SNP_P1_41774_29000965	NC_021162.1	Ca_kabuli_chr03	29000965	GG	TT	1940165858
SNP_P1_41775_29000970	NC_021162.1	Ca_kabuli_chr03	29000970	AA	TT	1940165860
SNP_P1_41776_29000975	NC_021162.1	Ca_kabuli_chr03	29000975	AA	CC	1940165862
SNP_P1_41777_29000981	NC_021162.1	Ca_kabuli_chr03	29000981	CC	TT	1940165864
SNP_P1_41778_29001038	NC_021162.1	Ca_kabuli_chr03	29001038	TT	CC	1940165866

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41780_29001068	NC_021162.1	Ca_kabuli_chr03	29001068	GG	AA	1940165871
SNP_P1_41781_29001074	NC_021162.1	Ca_kabuli_chr03	29001074	TT	CC	1940165873
SNP_P1_41782_29001178	NC_021162.1	Ca_kabuli_chr03	29001178	CC	TT	1940165875
SNP_P1_41783_29001180	NC_021162.1	Ca_kabuli_chr03	29001180	GG	AA	1940165877
SNP_P1_41784_29001788	NC_021162.1	Ca_kabuli_chr03	29001788	AA	GG	1940165879
SNP_P1_41785_29002805	NC_021162.1	Ca_kabuli_chr03	29002805	AA	CC	1940165882
SNP_P1_41787_29028437	NC_021162.1	Ca_kabuli_chr03	29028437	TT	CC	1940165884
SNP_P1_41788_29042319	NC_021162.1	Ca_kabuli_chr03	29042319	AA	GG	1940165886
SNP_P1_41790_29072946	NC_021162.1	Ca_kabuli_chr03	29072946	CC	TT	1940165888
SNP_P1_41791_29073856	NC_021162.1	Ca_kabuli_chr03	29073856	AA	CC	1940165890
SNP_P1_41792_29073893	NC_021162.1	Ca_kabuli_chr03	29073893	TT	GG	1940165892
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SNP_P1_41796_29091991	NC_021162.1	Ca_kabuli_chr03	29091991	AA	CC	1940165897
SNP_P1_41797_29105109	NC_021162.1	Ca_kabuli_chr03	29105109	AA	GG	1940165899
SNP_P1_41798_29116167	NC_021162.1	Ca_kabuli_chr03	29116167	GG	TT	1940165901
SNP_P1_41800_29132058	NC_021162.1	Ca_kabuli_chr03	29132058	TT	CC	1940165904
SNP_P1_41802_29149081	NC_021162.1	Ca_kabuli_chr03	29149081	AA	TT	1940165906
SNP_P1_41803_29161048	NC_021162.1	Ca_kabuli_chr03	29161048	TT	AA	1940165908
SNP_P1_41805_29174538	NC_021162.1	Ca_kabuli_chr03	29174538	TT	AA	1940165910
SNP_P1_41806_29213244	NC_021162.1	Ca_kabuli_chr03	29213244	AA	GG	1940165912
SNP_P1_41807_29213380	NC_021162.1	Ca_kabuli_chr03	29213380	AA	GG	1940165914
SNP_P1_41810_29233792	NC_021162.1	Ca_kabuli_chr03	29233792	CC	GG	1940165917
SNP_P1_41811_29244144	NC_021162.1	Ca_kabuli_chr03	29244144	GG	AA	1940165919
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SNP_P1_41813_29248717	NC_021162.1	Ca_kabuli_chr03	29248717	AA	CC	1940165923
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SNP_P1_41816_29249498	NC_021162.1	Ca_kabuli_chr03	29249498	AA	GG	1940165930
SNP_P1_41817_29249503	NC_021162.1	Ca_kabuli_chr03	29249503	AA	GG	1940165932
SNP_P1_41818_29249508	NC_021162.1	Ca_kabuli_chr03	29249508	TT	GG	1940165934
SNP_P1_41819_29249514	NC_021162.1	Ca_kabuli_chr03	29249514	CC	TT	1940165936
SNP_P1_41820_29249535	NC_021162.1	Ca_kabuli_chr03	29249535	GG	AA	1940165939
SNP_P1_41821_29249553	NC_021162.1	Ca_kabuli_chr03	29249553	AA	GG	1940165941
SNP_P1_41822_29249614	NC_021162.1	Ca_kabuli_chr03	29249614	AA	GG	1940165943
SNP_P1_41823_29249681	NC_021162.1	Ca_kabuli_chr03	29249681	AA	CC	1940165945
SNP_P1_41824_29249942	NC_021162.1	Ca_kabuli_chr03	29249942	TT	CC	1940165947
SNP_P1_41825_29250000	NC_021162.1	Ca_kabuli_chr03	29250000	AA	CC	1940165950
SNP_P1_41826_29250029	NC_021162.1	Ca_kabuli_chr03	29250029	GG	AA	1940165952
SNP_P1_41827_29250115	NC_021162.1	Ca_kabuli_chr03	29250115	GG	CC	1940165954
SNP_P1_41828_29253206	NC_021162.1	Ca_kabuli_chr03	29253206	AA	CC	1940165956
SNP_P1_41829_29297776	NC_021162.1	Ca_kabuli_chr03	29297776	TT	AA	1940165958

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41834_29345228	NC_021162.1	Ca_kabuli_chr03	29345228	AA	CC	1940165967
SNP_P1_41835_29370172	NC_021162.1	Ca_kabuli_chr03	29370172	TT	CC	1940165969
SNP_P1_41837_29485067	NC_021162.1	Ca_kabuli_chr03	29485067	AA	GG	1940165971
SNP_P1_41838_29494700	NC_021162.1	Ca_kabuli_chr03	29494700	GG	AA	1940165974
SNP_P1_41839_29495200	NC_021162.1	Ca_kabuli_chr03	29495200	CC	GG	1940165976
SNP_P1_41840_29503386	NC_021162.1	Ca_kabuli_chr03	29503386	GG	AA	1940165978
SNP_P1_41843_29540939	NC_021162.1	Ca_kabuli_chr03	29540939	TT	CC	1940165980
SNP_P1_41844_29553757	NC_021162.1	Ca_kabuli_chr03	29553757	TT	AA	1940165983
SNP_P1_41845_29553761	NC_021162.1	Ca_kabuli_chr03	29553761	TT	GG	1940165985
SNP_P1_41846_29553762	NC_021162.1	Ca_kabuli_chr03	29553762	GG	AA	1940165987
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SNP_P1_41848_29558228	NC_021162.1	Ca_kabuli_chr03	29558228	GG	AA	1940165991
SNP_P1_41849_29560324	NC_021162.1	Ca_kabuli_chr03	29560324	AA	GG	1940165994
SNP_P1_41850_29560425	NC_021162.1	Ca_kabuli_chr03	29560425	AA	GG	1940165996
SNP_P1_41851_29560743	NC_021162.1	Ca_kabuli_chr03	29560743	AA	GG	1940165998
SNP_P1_41852_29560745	NC_021162.1	Ca_kabuli_chr03	29560745	AA	CC	1940166000
SNP_P1_41854_29570466	NC_021162.1	Ca_kabuli_chr03	29570466	AA	GG	1940166003
SNP_P1_41856_29580444	NC_021162.1	Ca_kabuli_chr03	29580444	TT	AA	1940166005
SNP_P1_41857_29627886	NC_021162.1	Ca_kabuli_chr03	29627886	AA	GG	1940166007
SNP_P1_41858_29628503	NC_021162.1	Ca_kabuli_chr03	29628503	AA	CC	1940166009
SNP_P1_41862_29687755	NC_021162.1	Ca_kabuli_chr03	29687755	GG	TT	1940166011
SNP_P1_41863_29691890	NC_021162.1	Ca_kabuli_chr03	29691890	TT	AA	1940166013
SNP_P1_41865_29718103	NC_021162.1	Ca_kabuli_chr03	29718103	CC	TT	1940166016
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SNP_P1_41871_29762004	NC_021162.1	Ca_kabuli_chr03	29762004	AA	TT	1940166020
SNP_P1_41872_29762301	NC_021162.1	Ca_kabuli_chr03	29762301	TT	CC	1940166022
SNP_P1_41873_29762305	NC_021162.1	Ca_kabuli_chr03	29762305	TT	GG	1940166024
SNP_P1_41878_29780273	NC_021162.1	Ca_kabuli_chr03	29780273	TT	AA	1940166027
SNP_P1_41880_29826318	NC_021162.1	Ca_kabuli_chr03	29826318	CC	TT	1940166029
SNP_P1_41881_29827587	NC_021162.1	Ca_kabuli_chr03	29827587	CC	AA	1940166031
SNP_P1_41883_29834598	NC_021162.1	Ca_kabuli_chr03	29834598	TT	GG	1940166033
SNP_P1_41885_29846617	NC_021162.1	Ca_kabuli_chr03	29846617	TT	AA	1940166035
SNP_P1_41886_29867328	NC_021162.1	Ca_kabuli_chr03	29867328	GG	TT	1940166038
SNP_P1_41887_29877241	NC_021162.1	Ca_kabuli_chr03	29877241	TT	AA	1940166040
SNP_P1_41888_29882403	NC_021162.1	Ca_kabuli_chr03	29882403	TT	AA	1940166042
SNP_P1_41889_29900611	NC_021162.1	Ca_kabuli_chr03	29900611	AA	GG	1940166044
SNP_P1_41890_29921908	NC_021162.1	Ca_kabuli_chr03	29921908	TT	CC	1940166046
SNP_P1_41892_29938023	NC_021162.1	Ca_kabuli_chr03	29938023	AA	TT	1940166049
SNP_P1_41893_29938093	NC_021162.1	Ca_kabuli_chr03	29938093	AA	TT	1940166051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41896_29952160	NC_021162.1	Ca_kabuli_chr03	29952160	CC	TT	1940166055
SNP_P1_41897_29969672	NC_021162.1	Ca_kabuli_chr03	29969672	AA	TT	1940166057
SNP_P1_41899_29976440	NC_021162.1	Ca_kabuli_chr03	29976440	CC	TT	1940166059
SNP_P1_41900_29980727	NC_021162.1	Ca_kabuli_chr03	29980727	TT	AA	1940166062
SNP_P1_41901_29984644	NC_021162.1	Ca_kabuli_chr03	29984644	TT	AA	1940166064
SNP_P1_41902_29984646	NC_021162.1	Ca_kabuli_chr03	29984646	AA	GG	1940166066
SNP_P1_41903_29994022	NC_021162.1	Ca_kabuli_chr03	29994022	AA	TT	1940166068
SNP_P1_41904_30029610	NC_021162.1	Ca_kabuli_chr03	30029610	AA	CC	1940166070
SNP_P1_41905_30031090	NC_021162.1	Ca_kabuli_chr03	30031090	CC	TT	1940166072
SNP_P1_41909_30069641	NC_021162.1	Ca_kabuli_chr03	30069641	CC	TT	1940166075
SNP_P1_41911_30072323	NC_021162.1	Ca_kabuli_chr03	30072323	TT	GG	1940166077
SNP_P1_41912_30072324	NC_021162.1	Ca_kabuli_chr03	30072324	TT	CC	1940166079
SNP_P1_41913_30072669	NC_021162.1	Ca_kabuli_chr03	30072669	AA	GG	1940166081
SNP_P1_41914_30078591	NC_021162.1	Ca_kabuli_chr03	30078591	GG	AA	1940166083
SNP_P1_41915_30098175	NC_021162.1	Ca_kabuli_chr03	30098175	CC	TT	1940166086
SNP_P1_41916_30098671	NC_021162.1	Ca_kabuli_chr03	30098671	GG	AA	1940166088
SNP_P1_41918_30134391	NC_021162.1	Ca_kabuli_chr03	30134391	TT	AA	1940166090
SNP_P1_41919_30134414	NC_021162.1	Ca_kabuli_chr03	30134414	TT	CC	1940166092
SNP_P1_41920_30136201	NC_021162.1	Ca_kabuli_chr03	30136201	AA	GG	1940166094
SNP_P1_41921_30151830	NC_021162.1	Ca_kabuli_chr03	30151830	AA	GG	1940166096
SNP_P1_41923_30153441	NC_021162.1	Ca_kabuli_chr03	30153441	CC	TT	1940166099
SNP_P1_41926_30188163	NC_021162.1	Ca_kabuli_chr03	30188163	TT	AA	1940166101
SNP_P1_41927_30194438	NC_021162.1	Ca_kabuli_chr03	30194438	TT	AA	1940166103
SNP_P1_41928_30211595	NC_021162.1	Ca_kabuli_chr03	30211595	AA	GG	1940166105
SNP_P1_41929_30244945	NC_021162.1	Ca_kabuli_chr03	30244945	AA	GG	1940166107
SNP_P1_41930_30251537	NC_021162.1	Ca_kabuli_chr03	30251537	GG	TT	1940166110
SNP_P1_41931_30262038	NC_021162.1	Ca_kabuli_chr03	30262038	CC	TT	1940166112
SNP_P1_41932_30283147	NC_021162.1	Ca_kabuli_chr03	30283147	TT	AA	1940166114
SNP_P1_41933_30283148	NC_021162.1	Ca_kabuli_chr03	30283148	TT	GG	1940166116
SNP_P1_41934_30284443	NC_021162.1	Ca_kabuli_chr03	30284443	GG	TT	1940166118
SNP_P1_41935_30325257	NC_021162.1	Ca_kabuli_chr03	30325257	AA	TT	1940166121
SNP_P1_41936_30325258	NC_021162.1	Ca_kabuli_chr03	30325258	AA	TT	1940166123
SNP_P1_41938_30334462	NC_021162.1	Ca_kabuli_chr03	30334462	CC	TT	1940166125
SNP_P1_41939_30337715	NC_021162.1	Ca_kabuli_chr03	30337715	TT	CC	1940166127
SNP_P1_41941_30370287	NC_021162.1	Ca_kabuli_chr03	30370287	CC	TT	1940166129
SNP_P1_41942_30380532	NC_021162.1	Ca_kabuli_chr03	30380532	AA	TT	1940166132
SNP_P1_41943_30384204	NC_021162.1	Ca_kabuli_chr03	30384204	AA	GG	1940166134
SNP_P1_41944_30396895	NC_021162.1	Ca_kabuli_chr03	30396895	TT	CC	1940166136
SNP_P1_41946_30411055	NC_021162.1	Ca_kabuli_chr03	30411055	AA	TT	1940166138
SNP_P1_41950_30438938	NC_021162.1	Ca_kabuli_chr03	30438938	TT	AA	1940166140
SNP_P1_41952_30461610	NC_021162.1	Ca_kabuli_chr03	30461610	GG	AA	1940166142

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_41954_30491396	NC_021162.1	Ca_kabuli_chr03	30491396	GG	AA	1940166147
SNP_P1_41955_30495532	NC_021162.1	Ca_kabuli_chr03	30495532	AA	TT	1940166149
SNP_P1_41956_30497900	NC_021162.1	Ca_kabuli_chr03	30497900	AA	TT	1940166151
SNP_P1_41957_30505717	NC_021162.1	Ca_kabuli_chr03	30505717	TT	AA	1940166153
SNP_P1_41958_30553019	NC_021162.1	Ca_kabuli_chr03	30553019	AA	GG	1940166156
SNP_P1_41959_30557094	NC_021162.1	Ca_kabuli_chr03	30557094	TT	CC	1940166158
SNP_P1_41960_30563506	NC_021162.1	Ca_kabuli_chr03	30563506	TT	CC	1940166160
SNP_P1_41961_30582485	NC_021162.1	Ca_kabuli_chr03	30582485	AA	CC	1940166162
SNP_P1_41962_30582488	NC_021162.1	Ca_kabuli_chr03	30582488	TT	AA	1940166164
SNP_P1_41963_30582493	NC_021162.1	Ca_kabuli_chr03	30582493	GG	AA	1940166167
SNP_P1_41964_30583980	NC_021162.1	Ca_kabuli_chr03	30583980	AA	GG	1940166169
SNP_P1_41966_30602090	NC_021162.1	Ca_kabuli_chr03	30602090	AA	GG	1940166171
SNP_P1_41967_30602133	NC_021162.1	Ca_kabuli_chr03	30602133	TT	GG	1940166173
SNP_P1_41968_30602207	NC_021162.1	Ca_kabuli_chr03	30602207	AA	TT	1940166175
SNP_P1_41969_30602216	NC_021162.1	Ca_kabuli_chr03	30602216	GG	AA	1940166178
SNP_P1_41970_30602272	NC_021162.1	Ca_kabuli_chr03	30602272	GG	TT	1940166180
SNP_P1_41972_30607460	NC_021162.1	Ca_kabuli_chr03	30607460	AA	CC	1940166182
SNP_P1_41973_30618918	NC_021162.1	Ca_kabuli_chr03	30618918	CC	TT	1940166184
SNP_P1_41974_30637349	NC_021162.1	Ca_kabuli_chr03	30637349	AA	GG	1940166186
SNP_P1_41975_30646505	NC_021162.1	Ca_kabuli_chr03	30646505	GG	AA	1940166189
SNP_P1_41976_30667396	NC_021162.1	Ca_kabuli_chr03	30667396	CC	TT	1940166191
SNP_P1_41978_30726148	NC_021162.1	Ca_kabuli_chr03	30726148	TT	CC	1940166193
SNP_P1_41979_30746910	NC_021162.1	Ca_kabuli_chr03	30746910	AA	GG	1940166195
SNP_P1_41982_30779182	NC_021162.1	Ca_kabuli_chr03	30779182	TT	CC	1940166197
SNP_P1_41984_30820127	NC_021162.1	Ca_kabuli_chr03	30820127	TT	CC	1940166200
SNP_P1_41985_30820134	NC_021162.1	Ca_kabuli_chr03	30820134	GG	AA	1940166202
SNP_P1_41986_30820142	NC_021162.1	Ca_kabuli_chr03	30820142	AA	GG	1940166204
SNP_P1_41987_30820175	NC_021162.1	Ca_kabuli_chr03	30820175	TT	GG	1940166206
SNP_P1_41988_30820176	NC_021162.1	Ca_kabuli_chr03	30820176	TT	CC	1940166208
SNP_P1_41989_30820186	NC_021162.1	Ca_kabuli_chr03	30820186	GG	AA	1940166211
SNP_P1_41990_30820208	NC_021162.1	Ca_kabuli_chr03	30820208	AA	GG	1940166213
SNP_P1_41993_30841746	NC_021162.1	Ca_kabuli_chr03	30841746	GG	AA	1940166215
SNP_P1_41994_30846290	NC_021162.1	Ca_kabuli_chr03	30846290	TT	GG	1940166217
SNP_P1_41995_30846301	NC_021162.1	Ca_kabuli_chr03	30846301	GG	AA	1940166219
SNP_P1_41996_30846404	NC_021162.1	Ca_kabuli_chr03	30846404	AA	GG	1940166222
SNP_P1_41997_30846471	NC_021162.1	Ca_kabuli_chr03	30846471	TT	AA	1940166224
SNP_P1_41998_30846773	NC_021162.1	Ca_kabuli_chr03	30846773	AA	GG	1940166226
SNP_P1_41999_30846791	NC_021162.1	Ca_kabuli_chr03	30846791	TT	CC	1940166228
SNP_P1_42000_30846803	NC_021162.1	Ca_kabuli_chr03	30846803	AA	GG	1940166230
SNP_P1_42001_30846815	NC_021162.1	Ca_kabuli_chr03	30846815	AA	TT	1940166233
SNP_P1_42002_30846854	NC_021162.1	Ca_kabuli_chr03	30846854	AA	GG	1940166235

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42004_30861149	NC_021162.1	Ca_kabuli_chr03	30861149	TT	GG	1940166239
SNP_P1_42005_30863533	NC_021162.1	Ca_kabuli_chr03	30863533	TT	GG	1940166241
SNP_P1_42006_30874841	NC_021162.1	Ca_kabuli_chr03	30874841	AA	GG	1940166243
SNP_P1_42007_30876291	NC_021162.1	Ca_kabuli_chr03	30876291	AA	TT	1940166246
SNP_P1_42008_30886326	NC_021162.1	Ca_kabuli_chr03	30886326	CC	TT	1940166248
SNP_P1_42009_30895072	NC_021162.1	Ca_kabuli_chr03	30895072	CC	TT	1940166250
SNP_P1_42011_30902750	NC_021162.1	Ca_kabuli_chr03	30902750	TT	AA	1940166252
SNP_P1_42012_30911006	NC_021162.1	Ca_kabuli_chr03	30911006	AA	GG	1940166254
SNP_P1_42013_30930418	NC_021162.1	Ca_kabuli_chr03	30930418	GG	AA	1940166256
SNP_P1_42014_30930423	NC_021162.1	Ca_kabuli_chr03	30930423	GG	CC	1940166259
SNP_P1_42016_30930645	NC_021162.1	Ca_kabuli_chr03	30930645	TT	CC	1940166261
SNP_P1_42019_30953574	NC_021162.1	Ca_kabuli_chr03	30953574	TT	GG	1940166263
SNP_P1_42020_30964282	NC_021162.1	Ca_kabuli_chr03	30964282	AA	GG	1940166265
SNP_P1_42023_30977478	NC_021162.1	Ca_kabuli_chr03	30977478	TT	CC	1940166268
SNP_P1_42024_30977484	NC_021162.1	Ca_kabuli_chr03	30977484	AA	TT	1940166270
SNP_P1_42025_30985610	NC_021162.1	Ca_kabuli_chr03	30985610	AA	GG	1940166272
SNP_P1_42026_31008715	NC_021162.1	Ca_kabuli_chr03	31008715	TT	AA	1940166274
SNP_P1_42027_31008722	NC_021162.1	Ca_kabuli_chr03	31008722	AA	CC	1940166276
SNP_P1_42028_31067424	NC_021162.1	Ca_kabuli_chr03	31067424	GG	AA	1940166279
SNP_P1_42029_31081646	NC_021162.1	Ca_kabuli_chr03	31081646	AA	GG	1940166281
SNP_P1_42032_31108227	NC_021162.1	Ca_kabuli_chr03	31108227	TT	CC	1940166283
SNP_P1_42033_31117419	NC_021162.1	Ca_kabuli_chr03	31117419	GG	AA	1940166285
SNP_P1_42035_31135441	NC_021162.1	Ca_kabuli_chr03	31135441	TT	CC	1940166287
SNP_P1_42037_31141290	NC_021162.1	Ca_kabuli_chr03	31141290	GG	AA	1940166290
SNP_P1_42039_31222105	NC_021162.1	Ca_kabuli_chr03	31222105	TT	CC	1940166292
SNP_P1_42040_31222108	NC_021162.1	Ca_kabuli_chr03	31222108	AA	GG	1940166294
SNP_P1_42041_31232521	NC_021162.1	Ca_kabuli_chr03	31232521	GG	AA	1940166296
SNP_P1_42042_31233259	NC_021162.1	Ca_kabuli_chr03	31233259	TT	CC	1940166298
SNP_P1_42043_31255493	NC_021162.1	Ca_kabuli_chr03	31255493	GG	TT	1940166301
SNP_P1_42044_31258013	NC_021162.1	Ca_kabuli_chr03	31258013	TT	CC	1940166303
SNP_P1_42045_31262532	NC_021162.1	Ca_kabuli_chr03	31262532	CC	TT	1940166305
SNP_P1_42046_31262533	NC_021162.1	Ca_kabuli_chr03	31262533	AA	TT	1940166307
SNP_P1_42047_31262554	NC_021162.1	Ca_kabuli_chr03	31262554	AA	TT	1940166309
SNP_P1_42048_31262581	NC_021162.1	Ca_kabuli_chr03	31262581	AA	GG	1940166312
SNP_P1_42049_31262655	NC_021162.1	Ca_kabuli_chr03	31262655	GG	TT	1940166314
SNP_P1_42050_31262702	NC_021162.1	Ca_kabuli_chr03	31262702	TT	GG	1940166316
SNP_P1_42052_31262971	NC_021162.1	Ca_kabuli_chr03	31262971	GG	AA	1940166318
SNP_P1_42053_31263100	NC_021162.1	Ca_kabuli_chr03	31263100	AA	TT	1940166321
SNP_P1_42054_31263216	NC_021162.1	Ca_kabuli_chr03	31263216	AA	GG	1940166323
SNP_P1_42055_31264838	NC_021162.1	Ca_kabuli_chr03	31264838	GG	AA	1940166325
SNP_P1_42056_31264869	NC_021162.1	Ca_kabuli_chr03	31264869	TT	CC	1940166327

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42058_31265006	NC_021162.1	Ca_kabuli_chr03	31265006	AA	GG	1940166332
SNP_P1_42059_31265026	NC_021162.1	Ca_kabuli_chr03	31265026	CC	GG	1940166334
SNP_P1_42060_31265049	NC_021162.1	Ca_kabuli_chr03	31265049	TT	CC	1940166336
SNP_P1_42061_31265162	NC_021162.1	Ca_kabuli_chr03	31265162	AA	CC	1940166338
SNP_P1_42062_31265418	NC_021162.1	Ca_kabuli_chr03	31265418	TT	AA	1940166340
SNP_P1_42063_31265620	NC_021162.1	Ca_kabuli_chr03	31265620	AA	GG	1940166343
SNP_P1_42064_31265741	NC_021162.1	Ca_kabuli_chr03	31265741	GG	AA	1940166345
SNP_P1_42065_31265757	NC_021162.1	Ca_kabuli_chr03	31265757	CC	TT	1940166347
SNP_P1_42067_31266128	NC_021162.1	Ca_kabuli_chr03	31266128	TT	CC	1940166349
SNP_P1_42068_31267137	NC_021162.1	Ca_kabuli_chr03	31267137	AA	GG	1940166352
SNP_P1_42069_31267348	NC_021162.1	Ca_kabuli_chr03	31267348	TT	AA	1940166353
SNP_P1_42070_31267468	NC_021162.1	Ca_kabuli_chr03	31267468	CC	AA	1940166356
SNP_P1_42071_31267477	NC_021162.1	Ca_kabuli_chr03	31267477	GG	AA	1940166358
SNP_P1_42072_31268038	NC_021162.1	Ca_kabuli_chr03	31268038	GG	AA	1940166360
SNP_P1_42073_31268324	NC_021162.1	Ca_kabuli_chr03	31268324	TT	CC	1940166362
SNP_P1_42074_31270189	NC_021162.1	Ca_kabuli_chr03	31270189	TT	CC	1940166364
SNP_P1_42075_31270524	NC_021162.1	Ca_kabuli_chr03	31270524	AA	GG	1940166366
SNP_P1_42076_31272160	NC_021162.1	Ca_kabuli_chr03	31272160	CC	TT	1940166369
SNP_P1_42077_31272161	NC_021162.1	Ca_kabuli_chr03	31272161	AA	GG	1940166371
SNP_P1_42078_31272274	NC_021162.1	Ca_kabuli_chr03	31272274	GG	AA	1940166373
SNP_P1_42080_31272591	NC_021162.1	Ca_kabuli_chr03	31272591	GG	AA	1940166375
SNP_P1_42081_31272631	NC_021162.1	Ca_kabuli_chr03	31272631	TT	CC	1940166377
SNP_P1_42082_31273061	NC_021162.1	Ca_kabuli_chr03	31273061	TT	CC	1940166380
SNP_P1_42083_31273077	NC_021162.1	Ca_kabuli_chr03	31273077	GG	TT	1940166382
SNP_P1_42084_31273102	NC_021162.1	Ca_kabuli_chr03	31273102	AA	GG	1940166384
SNP_P1_42085_31273316	NC_021162.1	Ca_kabuli_chr03	31273316	TT	AA	1940166386
SNP_P1_42086_31273578	NC_021162.1	Ca_kabuli_chr03	31273578	TT	CC	1940166388
SNP_P1_42087_31273827	NC_021162.1	Ca_kabuli_chr03	31273827	CC	TT	1940166390
SNP_P1_42088_31275127	NC_021162.1	Ca_kabuli_chr03	31275127	CC	TT	1940166393
SNP_P1_42089_31275141	NC_021162.1	Ca_kabuli_chr03	31275141	CC	TT	1940166395
SNP_P1_42090_31275146	NC_021162.1	Ca_kabuli_chr03	31275146	CC	AA	1940166397
SNP_P1_42091_31275811	NC_021162.1	Ca_kabuli_chr03	31275811	TT	CC	1940166399
SNP_P1_42092_31275816	NC_021162.1	Ca_kabuli_chr03	31275816	TT	AA	1940166401
SNP_P1_42093_31277730	NC_021162.1	Ca_kabuli_chr03	31277730	TT	AA	1940166403
SNP_P1_42094_31277746	NC_021162.1	Ca_kabuli_chr03	31277746	TT	CC	1940166406
SNP_P1_42095_31278020	NC_021162.1	Ca_kabuli_chr03	31278020	GG	CC	1940166407
SNP_P1_42096_31278028	NC_021162.1	Ca_kabuli_chr03	31278028	AA	CC	1940166410
SNP_P1_42098_31278526	NC_021162.1	Ca_kabuli_chr03	31278526	TT	CC	1940166412
SNP_P1_42099_31278527	NC_021162.1	Ca_kabuli_chr03	31278527	CC	AA	1940166414
SNP_P1_42100_31282489	NC_021162.1	Ca_kabuli_chr03	31282489	TT	GG	1940166416
SNP_P1_42101_31283791	NC_021162.1	Ca_kabuli_chr03	31283791	TT	CC	1940166418

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42103_31284600	NC_021162.1	Ca_kabuli_chr03	31284600	AA	GG	1940166422
SNP_P1_42104_31284630	NC_021162.1	Ca_kabuli_chr03	31284630	CC	TT	1940166425
SNP_P1_42105_31284902	NC_021162.1	Ca_kabuli_chr03	31284902	GG	CC	1940166428
SNP_P1_42106_31286604	NC_021162.1	Ca_kabuli_chr03	31286604	CC	GG	1940166430
SNP_P1_42107_31286840	NC_021162.1	Ca_kabuli_chr03	31286840	CC	TT	1940166432
SNP_P1_42108_31287043	NC_021162.1	Ca_kabuli_chr03	31287043	GG	AA	1940166435
SNP_P1_42109_31287085	NC_021162.1	Ca_kabuli_chr03	31287085	GG	AA	1940166437
SNP_P1_42110_31287129	NC_021162.1	Ca_kabuli_chr03	31287129	CC	GG	1940166440
SNP_P1_42111_31287130	NC_021162.1	Ca_kabuli_chr03	31287130	CC	AA	1940166443
SNP_P1_42112_31287133	NC_021162.1	Ca_kabuli_chr03	31287133	GG	TT	1940166445
SNP_P1_42113_31287264	NC_021162.1	Ca_kabuli_chr03	31287264	GG	AA	1940166447
SNP_P1_42114_31287684	NC_021162.1	Ca_kabuli_chr03	31287684	TT	CC	1940166450
SNP_P1_42115_31288743	NC_021162.1	Ca_kabuli_chr03	31288743	CC	TT	1940166452
SNP_P1_42116_31288914	NC_021162.1	Ca_kabuli_chr03	31288914	TT	CC	1940166454
SNP_P1_42117_31289046	NC_021162.1	Ca_kabuli_chr03	31289046	GG	AA	1940166456
SNP_P1_42118_31289700	NC_021162.1	Ca_kabuli_chr03	31289700	TT	AA	1940166458
SNP_P1_42119_31289701	NC_021162.1	Ca_kabuli_chr03	31289701	CC	AA	1940166461
SNP_P1_42120_31289786	NC_021162.1	Ca_kabuli_chr03	31289786	AA	CC	1940166463
SNP_P1_42121_31289809	NC_021162.1	Ca_kabuli_chr03	31289809	CC	TT	1940166465
SNP_P1_42122_31289985	NC_021162.1	Ca_kabuli_chr03	31289985	CC	TT	1940166467
SNP_P1_42124_31290221	NC_021162.1	Ca_kabuli_chr03	31290221	TT	CC	1940166469
SNP_P1_42125_31290663	NC_021162.1	Ca_kabuli_chr03	31290663	TT	GG	1940166471
SNP_P1_42126_31290688	NC_021162.1	Ca_kabuli_chr03	31290688	TT	CC	1940166474
SNP_P1_42127_31290704	NC_021162.1	Ca_kabuli_chr03	31290704	AA	CC	1940166476
SNP_P1_42129_31291407	NC_021162.1	Ca_kabuli_chr03	31291407	GG	AA	1940166478
SNP_P1_42131_31291706	NC_021162.1	Ca_kabuli_chr03	31291706	GG	AA	1940166480
SNP_P1_42132_31291726	NC_021162.1	Ca_kabuli_chr03	31291726	TT	CC	1940166482
SNP_P1_42133_31291883	NC_021162.1	Ca_kabuli_chr03	31291883	AA	GG	1940166485
SNP_P1_42134_31291923	NC_021162.1	Ca_kabuli_chr03	31291923	TT	GG	1940166487
SNP_P1_42136_31292114	NC_021162.1	Ca_kabuli_chr03	31292114	TT	AA	1940166489
SNP_P1_42137_31292203	NC_021162.1	Ca_kabuli_chr03	31292203	AA	GG	1940166491
SNP_P1_42138_31293211	NC_021162.1	Ca_kabuli_chr03	31293211	AA	CC	1940166494
SNP_P1_42139_31293230	NC_021162.1	Ca_kabuli_chr03	31293230	CC	TT	1940166496
SNP_P1_42140_31293245	NC_021162.1	Ca_kabuli_chr03	31293245	CC	TT	1940166498
SNP_P1_42141_31293257	NC_021162.1	Ca_kabuli_chr03	31293257	CC	TT	1940166500
SNP_P1_42142_31293260	NC_021162.1	Ca_kabuli_chr03	31293260	AA	GG	1940166502
SNP_P1_42143_31293439	NC_021162.1	Ca_kabuli_chr03	31293439	TT	GG	1940166505
SNP_P1_42144_31293451	NC_021162.1	Ca_kabuli_chr03	31293451	GG	TT	1940166507
SNP_P1_42146_31293463	NC_021162.1	Ca_kabuli_chr03	31293463	AA	GG	1940166509
SNP_P1_42147_31293521	NC_021162.1	Ca_kabuli_chr03	31293521	AA	GG	1940166511
SNP_P1_42148_31293536	NC_021162.1	Ca_kabuli_chr03	31293536	TT	AA	1940166513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42151_31294100	NC_021162.1	Ca_kabuli_chr03	31294100	CC	AA	1940166518
SNP_P1_42152_31294749	NC_021162.1	Ca_kabuli_chr03	31294749	GG	TT	1940166520
SNP_P1_42153_31294818	NC_021162.1	Ca_kabuli_chr03	31294818	AA	GG	1940166522
SNP_P1_42154_31294832	NC_021162.1	Ca_kabuli_chr03	31294832	AA	CC	1940166524
SNP_P1_42155_31294855	NC_021162.1	Ca_kabuli_chr03	31294855	TT	CC	1940166526
SNP_P1_42156_31294857	NC_021162.1	Ca_kabuli_chr03	31294857	AA	GG	1940166528
SNP_P1_42157_31294938	NC_021162.1	Ca_kabuli_chr03	31294938	CC	TT	1940166530
SNP_P1_42158_31294950	NC_021162.1	Ca_kabuli_chr03	31294950	TT	CC	1940166532
SNP_P1_42159_31295012	NC_021162.1	Ca_kabuli_chr03	31295012	CC	GG	1940166534
SNP_P1_42160_31295035	NC_021162.1	Ca_kabuli_chr03	31295035	GG	AA	1940166537
SNP_P1_42161_31295071	NC_021162.1	Ca_kabuli_chr03	31295071	GG	AA	1940166539
SNP_P1_42162_31295110	NC_021162.1	Ca_kabuli_chr03	31295110	AA	CC	1940166541
SNP_P1_42163_31295138	NC_021162.1	Ca_kabuli_chr03	31295138	AA	GG	1940166543
SNP_P1_42164_31295162	NC_021162.1	Ca_kabuli_chr03	31295162	AA	GG	1940166545
SNP_P1_42165_31295171	NC_021162.1	Ca_kabuli_chr03	31295171	AA	GG	1940166547
SNP_P1_42166_31295176	NC_021162.1	Ca_kabuli_chr03	31295176	GG	AA	1940166550
SNP_P1_42167_31295178	NC_021162.1	Ca_kabuli_chr03	31295178	GG	CC	1940166552
SNP_P1_42168_31295190	NC_021162.1	Ca_kabuli_chr03	31295190	GG	CC	1940166554
SNP_P1_42169_31295210	NC_021162.1	Ca_kabuli_chr03	31295210	AA	TT	1940166556
SNP_P1_42170_31295583	NC_021162.1	Ca_kabuli_chr03	31295583	GG	TT	1940166558
SNP_P1_42172_31295851	NC_021162.1	Ca_kabuli_chr03	31295851	AA	TT	1940166560
SNP_P1_42173_31295872	NC_021162.1	Ca_kabuli_chr03	31295872	TT	AA	1940166563
SNP_P1_42176_31296272	NC_021162.1	Ca_kabuli_chr03	31296272	AA	GG	1940166565
SNP_P1_42177_31296494	NC_021162.1	Ca_kabuli_chr03	31296494	TT	AA	1940166567
SNP_P1_42178_31296677	NC_021162.1	Ca_kabuli_chr03	31296677	AA	GG	1940166569
SNP_P1_42180_31296746	NC_021162.1	Ca_kabuli_chr03	31296746	TT	CC	1940166571
SNP_P1_42181_31296779	NC_021162.1	Ca_kabuli_chr03	31296779	TT	CC	1940166574
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SNP_P1_42184_31296838	NC_021162.1	Ca_kabuli_chr03	31296838	TT	CC	1940166578
SNP_P1_42185_31296983	NC_021162.1	Ca_kabuli_chr03	31296983	GG	AA	1940166580
SNP_P1_42186_31296993	NC_021162.1	Ca_kabuli_chr03	31296993	AA	GG	1940166582
SNP_P1_42187_31297149	NC_021162.1	Ca_kabuli_chr03	31297149	TT	AA	1940166584
SNP_P1_42188_31297631	NC_021162.1	Ca_kabuli_chr03	31297631	GG	AA	1940166586
SNP_P1_42189_31297636	NC_021162.1	Ca_kabuli_chr03	31297636	CC	GG	1940166589
SNP_P1_42190_31297835	NC_021162.1	Ca_kabuli_chr03	31297835	CC	AA	1940166591
SNP_P1_42191_31298117	NC_021162.1	Ca_kabuli_chr03	31298117	GG	TT	1940166593
SNP_P1_42194_31298655	NC_021162.1	Ca_kabuli_chr03	31298655	TT	CC	1940166595
SNP_P1_42196_31301544	NC_021162.1	Ca_kabuli_chr03	31301544	CC	GG	1940166597
SNP_P1_42197_31302712	NC_021162.1	Ca_kabuli_chr03	31302712	CC	TT	1940166599
SNP_P1_42199_31306132	NC_021162.1	Ca_kabuli_chr03	31306132	CC	GG	1940166601
SNP_P1_42200_31307246	NC_021162.1	Ca_kabuli_chr03	31307246	TT	AA	1940166604

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42204_31311892	NC_021162.1	Ca_kabuli_chr03	31311892	TT	CC	1940166608
SNP_P1_42205_31312089	NC_021162.1	Ca_kabuli_chr03	31312089	GG	AA	1940166610
SNP_P1_42206_31312103	NC_021162.1	Ca_kabuli_chr03	31312103	CC	TT	1940166612
SNP_P1_42207_31312132	NC_021162.1	Ca_kabuli_chr03	31312132	TT	AA	1940166614
SNP_P1_42208_31312753	NC_021162.1	Ca_kabuli_chr03	31312753	TT	AA	1940166616
SNP_P1_42209_31312846	NC_021162.1	Ca_kabuli_chr03	31312846	AA	TT	1940166619
SNP_P1_42210_31314015	NC_021162.1	Ca_kabuli_chr03	31314015	AA	CC	1940166621
SNP_P1_42212_31319589	NC_021162.1	Ca_kabuli_chr03	31319589	CC	GG	1940166623
SNP_P1_42213_31319615	NC_021162.1	Ca_kabuli_chr03	31319615	CC	GG	1940166625
SNP_P1_42215_31319992	NC_021162.1	Ca_kabuli_chr03	31319992	CC	TT	1940166627
SNP_P1_42216_31320016	NC_021162.1	Ca_kabuli_chr03	31320016	CC	TT	1940166629
SNP_P1_42217_31320605	NC_021162.1	Ca_kabuli_chr03	31320605	TT	CC	1940166632
SNP_P1_42218_31321877	NC_021162.1	Ca_kabuli_chr03	31321877	GG	AA	1940166634
SNP_P1_42219_31322014	NC_021162.1	Ca_kabuli_chr03	31322014	CC	TT	1940166636
SNP_P1_42220_31322241	NC_021162.1	Ca_kabuli_chr03	31322241	TT	CC	1940166638
SNP_P1_42221_31322280	NC_021162.1	Ca_kabuli_chr03	31322280	TT	AA	1940166640
SNP_P1_42222_31322336	NC_021162.1	Ca_kabuli_chr03	31322336	CC	TT	1940166642
SNP_P1_42223_31322721	NC_021162.1	Ca_kabuli_chr03	31322721	TT	AA	1940166645
SNP_P1_42224_31322762	NC_021162.1	Ca_kabuli_chr03	31322762	TT	CC	1940166647
SNP_P1_42225_31323568	NC_021162.1	Ca_kabuli_chr03	31323568	AA	GG	1940166649
SNP_P1_42226_31323608	NC_021162.1	Ca_kabuli_chr03	31323608	TT	CC	1940166651
SNP_P1_42228_31323997	NC_021162.1	Ca_kabuli_chr03	31323997	AA	CC	1940166653
SNP_P1_42229_31324302	NC_021162.1	Ca_kabuli_chr03	31324302	GG	AA	1940166656
SNP_P1_42230_31325757	NC_021162.1	Ca_kabuli_chr03	31325757	TT	CC	1940166658
SNP_P1_42231_31325771	NC_021162.1	Ca_kabuli_chr03	31325771	TT	GG	1940166660
SNP_P1_42232_31325949	NC_021162.1	Ca_kabuli_chr03	31325949	AA	TT	1940166662
SNP_P1_42234_31327556	NC_021162.1	Ca_kabuli_chr03	31327556	GG	AA	1940166664
SNP_P1_42235_31327838	NC_021162.1	Ca_kabuli_chr03	31327838	TT	CC	1940166667
SNP_P1_42237_31327962	NC_021162.1	Ca_kabuli_chr03	31327962	GG	TT	1940166669
SNP_P1_42239_31328146	NC_021162.1	Ca_kabuli_chr03	31328146	TT	AA	1940166671
SNP_P1_42241_31328422	NC_021162.1	Ca_kabuli_chr03	31328422	TT	CC	1940166673
SNP_P1_42242_31328805	NC_021162.1	Ca_kabuli_chr03	31328805	GG	AA	1940166675
SNP_P1_42243_31329511	NC_021162.1	Ca_kabuli_chr03	31329511	GG	CC	1940166677
SNP_P1_42244_31330405	NC_021162.1	Ca_kabuli_chr03	31330405	TT	AA	1940166680
SNP_P1_42245_31330641	NC_021162.1	Ca_kabuli_chr03	31330641	TT	AA	1940166682
SNP_P1_42246_31331006	NC_021162.1	Ca_kabuli_chr03	31331006	GG	AA	1940166684
SNP_P1_42247_31331046	NC_021162.1	Ca_kabuli_chr03	31331046	AA	GG	1940166686
SNP_P1_42248_31331075	NC_021162.1	Ca_kabuli_chr03	31331075	GG	AA	1940166688
SNP_P1_42249_31331318	NC_021162.1	Ca_kabuli_chr03	31331318	TT	AA	1940166690
SNP_P1_42250_31332198	NC_021162.1	Ca_kabuli_chr03	31332198	TT	CC	1940166693
SNP_P1_42252_31333432	NC_021162.1	Ca_kabuli_chr03	31333432	CC	AA	1940166695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42254_31333674	NC_021162.1	Ca_kabuli_chr03	31333674	CC	GG	1940166699
SNP_P1_42256_31333735	NC_021162.1	Ca_kabuli_chr03	31333735	GG	TT	1940166701
SNP_P1_42257_31333747	NC_021162.1	Ca_kabuli_chr03	31333747	GG	AA	1940166704
SNP_P1_42258_31333917	NC_021162.1	Ca_kabuli_chr03	31333917	CC	TT	1940166706
SNP_P1_42259_31334118	NC_021162.1	Ca_kabuli_chr03	31334118	CC	GG	1940166708
SNP_P1_42261_31336040	NC_021162.1	Ca_kabuli_chr03	31336040	CC	TT	1940166710
SNP_P1_42262_31336567	NC_021162.1	Ca_kabuli_chr03	31336567	GG	AA	1940166712
SNP_P1_42264_31336827	NC_021162.1	Ca_kabuli_chr03	31336827	CC	TT	1940166714
SNP_P1_42265_31336940	NC_021162.1	Ca_kabuli_chr03	31336940	AA	TT	1940166717
SNP_P1_42266_31337533	NC_021162.1	Ca_kabuli_chr03	31337533	TT	GG	1940166719
SNP_P1_42267_31337540	NC_021162.1	Ca_kabuli_chr03	31337540	AA	TT	1940166721
SNP_P1_42268_31337681	NC_021162.1	Ca_kabuli_chr03	31337681	AA	GG	1940166723
SNP_P1_42269_31337842	NC_021162.1	Ca_kabuli_chr03	31337842	AA	CC	1940166726
SNP_P1_42270_31337952	NC_021162.1	Ca_kabuli_chr03	31337952	AA	GG	1940166728
SNP_P1_42271_31338121	NC_021162.1	Ca_kabuli_chr03	31338121	AA	GG	1940166730
SNP_P1_42272_31338132	NC_021162.1	Ca_kabuli_chr03	31338132	TT	CC	1940166732
SNP_P1_42273_31338144	NC_021162.1	Ca_kabuli_chr03	31338144	CC	GG	1940166734
SNP_P1_42274_31338364	NC_021162.1	Ca_kabuli_chr03	31338364	TT	CC	1940166736
SNP_P1_42275_31338373	NC_021162.1	Ca_kabuli_chr03	31338373	CC	AA	1940166739
SNP_P1_42277_31339155	NC_021162.1	Ca_kabuli_chr03	31339155	AA	GG	1940166741
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SNP_P1_42280_31339739	NC_021162.1	Ca_kabuli_chr03	31339739	AA	TT	1940166745
SNP_P1_42281_31339777	NC_021162.1	Ca_kabuli_chr03	31339777	AA	GG	1940166747
SNP_P1_42282_31339788	NC_021162.1	Ca_kabuli_chr03	31339788	GG	TT	1940166749
SNP_P1_42283_31339821	NC_021162.1	Ca_kabuli_chr03	31339821	CC	AA	1940166752
SNP_P1_42284_31339824	NC_021162.1	Ca_kabuli_chr03	31339824	AA	GG	1940166754
SNP_P1_42285_31340090	NC_021162.1	Ca_kabuli_chr03	31340090	AA	GG	1940166756
SNP_P1_42286_31340210	NC_021162.1	Ca_kabuli_chr03	31340210	TT	AA	1940166758
SNP_P1_42287_31341335	NC_021162.1	Ca_kabuli_chr03	31341335	CC	TT	1940166761
SNP_P1_42290_31342784	NC_021162.1	Ca_kabuli_chr03	31342784	TT	CC	1940166763
SNP_P1_42291_31343065	NC_021162.1	Ca_kabuli_chr03	31343065	GG	AA	1940166765
SNP_P1_42294_31343824	NC_021162.1	Ca_kabuli_chr03	31343824	TT	CC	1940166767
SNP_P1_42295_31343891	NC_021162.1	Ca_kabuli_chr03	31343891	GG	AA	1940166769
SNP_P1_42296_31343898	NC_021162.1	Ca_kabuli_chr03	31343898	GG	AA	1940166772
SNP_P1_42297_31343902	NC_021162.1	Ca_kabuli_chr03	31343902	GG	AA	1940166774
SNP_P1_42298_31344624	NC_021162.1	Ca_kabuli_chr03	31344624	CC	TT	1940166776
SNP_P1_42299_31344633	NC_021162.1	Ca_kabuli_chr03	31344633	AA	GG	1940166778
SNP_P1_42300_31344710	NC_021162.1	Ca_kabuli_chr03	31344710	GG	CC	1940166780
SNP_P1_42303_31344961	NC_021162.1	Ca_kabuli_chr03	31344961	GG	TT	1940166782
SNP_P1_42304_31346106	NC_021162.1	Ca_kabuli_chr03	31346106	CC	TT	1940166785
SNP_P1_42305_31346116	NC_021162.1	Ca_kabuli_chr03	31346116	GG	CC	1940166787

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42308_31346580	NC_021162.1	Ca_kabuli_chr03	31346580	AA	TT	1940166793
SNP_P1_42309_31346607	NC_021162.1	Ca_kabuli_chr03	31346607	CC	GG	1940166796
SNP_P1_42310_31346614	NC_021162.1	Ca_kabuli_chr03	31346614	AA	GG	1940166798
SNP_P1_42311_31346625	NC_021162.1	Ca_kabuli_chr03	31346625	CC	TT	1940166800
SNP_P1_42313_31347748	NC_021162.1	Ca_kabuli_chr03	31347748	AA	GG	1940166802
SNP_P1_42314_31347752	NC_021162.1	Ca_kabuli_chr03	31347752	GG	CC	1940166804
SNP_P1_42315_31347759	NC_021162.1	Ca_kabuli_chr03	31347759	AA	CC	1940166806
SNP_P1_42316_31347843	NC_021162.1	Ca_kabuli_chr03	31347843	CC	AA	1940166808
SNP_P1_42317_31347911	NC_021162.1	Ca_kabuli_chr03	31347911	AA	TT	1940166811
SNP_P1_42318_31348829	NC_021162.1	Ca_kabuli_chr03	31348829	TT	CC	1940166813
SNP_P1_42319_31348897	NC_021162.1	Ca_kabuli_chr03	31348897	GG	AA	1940166815
SNP_P1_42320_31348946	NC_021162.1	Ca_kabuli_chr03	31348946	GG	AA	1940166817
SNP_P1_42322_31349113	NC_021162.1	Ca_kabuli_chr03	31349113	GG	TT	1940166819
SNP_P1_42323_31351728	NC_021162.1	Ca_kabuli_chr03	31351728	TT	CC	1940166821
SNP_P1_42324_31351871	NC_021162.1	Ca_kabuli_chr03	31351871	GG	AA	1940166823
SNP_P1_42325_31351892	NC_021162.1	Ca_kabuli_chr03	31351892	CC	TT	1940166826
SNP_P1_42326_31352741	NC_021162.1	Ca_kabuli_chr03	31352741	AA	TT	1940166828
SNP_P1_42327_31352789	NC_021162.1	Ca_kabuli_chr03	31352789	AA	CC	1940166830
SNP_P1_42328_31353120	NC_021162.1	Ca_kabuli_chr03	31353120	TT	GG	1940166832
SNP_P1_42330_31353187	NC_021162.1	Ca_kabuli_chr03	31353187	CC	TT	1940166834
SNP_P1_42331_31353210	NC_021162.1	Ca_kabuli_chr03	31353210	GG	AA	1940166836
SNP_P1_42333_31353259	NC_021162.1	Ca_kabuli_chr03	31353259	AA	GG	1940166839
SNP_P1_42334_31353265	NC_021162.1	Ca_kabuli_chr03	31353265	AA	GG	1940166841
SNP_P1_42335_31353355	NC_021162.1	Ca_kabuli_chr03	31353355	CC	AA	1940166843
SNP_P1_42336_31353558	NC_021162.1	Ca_kabuli_chr03	31353558	GG	AA	1940166845
SNP_P1_42337_31353571	NC_021162.1	Ca_kabuli_chr03	31353571	AA	GG	1940166847
SNP_P1_42338_31353623	NC_021162.1	Ca_kabuli_chr03	31353623	GG	AA	1940166850
SNP_P1_42339_31353631	NC_021162.1	Ca_kabuli_chr03	31353631	AA	GG	1940166852
SNP_P1_42340_31353638	NC_021162.1	Ca_kabuli_chr03	31353638	AA	GG	1940166854
SNP_P1_42341_31353694	NC_021162.1	Ca_kabuli_chr03	31353694	CC	TT	1940166856
SNP_P1_42342_31353709	NC_021162.1	Ca_kabuli_chr03	31353709	TT	GG	1940166858
SNP_P1_42343_31354988	NC_021162.1	Ca_kabuli_chr03	31354988	CC	GG	1940166860
SNP_P1_42344_31355001	NC_021162.1	Ca_kabuli_chr03	31355001	TT	CC	1940166862
SNP_P1_42345_31355246	NC_021162.1	Ca_kabuli_chr03	31355246	CC	TT	1940166865
SNP_P1_42346_31355447	NC_021162.1	Ca_kabuli_chr03	31355447	GG	TT	1940166867
SNP_P1_42347_31355460	NC_021162.1	Ca_kabuli_chr03	31355460	TT	CC	1940166869
SNP_P1_42348_31355693	NC_021162.1	Ca_kabuli_chr03	31355693	TT	GG	1940166871
SNP_P1_42349_31356889	NC_021162.1	Ca_kabuli_chr03	31356889	CC	AA	1940166873
SNP_P1_42350_31357162	NC_021162.1	Ca_kabuli_chr03	31357162	CC	GG	1940166875
SNP_P1_42351_31357212	NC_021162.1	Ca_kabuli_chr03	31357212	GG	AA	1940166878

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42353_31358137	NC_021162.1	Ca_kabuli_chr03	31358137	GG	TT	1940166882
SNP_P1_42354_31358367	NC_021162.1	Ca_kabuli_chr03	31358367	AA	GG	1940166884
SNP_P1_42355_31358425	NC_021162.1	Ca_kabuli_chr03	31358425	GG	CC	1940166886
SNP_P1_42356_31359315	NC_021162.1	Ca_kabuli_chr03	31359315	GG	AA	1940166889
SNP_P1_42357_31359637	NC_021162.1	Ca_kabuli_chr03	31359637	CC	AA	1940166891
SNP_P1_42358_31359696	NC_021162.1	Ca_kabuli_chr03	31359696	GG	TT	1940166893
SNP_P1_42359_31360682	NC_021162.1	Ca_kabuli_chr03	31360682	CC	TT	1940166895
SNP_P1_42360_31361044	NC_021162.1	Ca_kabuli_chr03	31361044	TT	GG	1940166897
SNP_P1_42361_31362439	NC_021162.1	Ca_kabuli_chr03	31362439	AA	GG	1940166899
SNP_P1_42362_31363577	NC_021162.1	Ca_kabuli_chr03	31363577	TT	CC	1940166902
SNP_P1_42363_31363590	NC_021162.1	Ca_kabuli_chr03	31363590	TT	GG	1940166904
SNP_P1_42364_31363915	NC_021162.1	Ca_kabuli_chr03	31363915	CC	TT	1940166906
SNP_P1_42365_31363919	NC_021162.1	Ca_kabuli_chr03	31363919	GG	AA	1940166908
SNP_P1_42367_31364848	NC_021162.1	Ca_kabuli_chr03	31364848	AA	GG	1940166910
SNP_P1_42368_31365276	NC_021162.1	Ca_kabuli_chr03	31365276	GG	AA	1940166913
SNP_P1_42370_31366234	NC_021162.1	Ca_kabuli_chr03	31366234	GG	AA	1940166915
SNP_P1_42371_31366493	NC_021162.1	Ca_kabuli_chr03	31366493	CC	TT	1940166917
SNP_P1_42372_31366508	NC_021162.1	Ca_kabuli_chr03	31366508	TT	AA	1940166919
SNP_P1_42374_31367678	NC_021162.1	Ca_kabuli_chr03	31367678	AA	TT	1940166922
SNP_P1_42375_31368814	NC_021162.1	Ca_kabuli_chr03	31368814	CC	TT	1940166924
SNP_P1_42376_31369424	NC_021162.1	Ca_kabuli_chr03	31369424	TT	CC	1940166926
SNP_P1_42377_31369457	NC_021162.1	Ca_kabuli_chr03	31369457	CC	GG	1940166928
SNP_P1_42378_31370497	NC_021162.1	Ca_kabuli_chr03	31370497	CC	TT	1940166930
SNP_P1_42379_31370765	NC_021162.1	Ca_kabuli_chr03	31370765	GG	AA	1940166932
SNP_P1_42380_31370795	NC_021162.1	Ca_kabuli_chr03	31370795	GG	AA	1940166935
SNP_P1_42381_31370915	NC_021162.1	Ca_kabuli_chr03	31370915	TT	CC	1940166937
SNP_P1_42382_31370956	NC_021162.1	Ca_kabuli_chr03	31370956	AA	GG	1940166939
SNP_P1_42383_31370964	NC_021162.1	Ca_kabuli_chr03	31370964	AA	GG	1940166941
SNP_P1_42384_31370965	NC_021162.1	Ca_kabuli_chr03	31370965	CC	AA	1940166943
SNP_P1_42385_31371009	NC_021162.1	Ca_kabuli_chr03	31371009	CC	TT	1940166945
SNP_P1_42386_31371021	NC_021162.1	Ca_kabuli_chr03	31371021	CC	TT	1940166948
SNP_P1_42387_31371051	NC_021162.1	Ca_kabuli_chr03	31371051	AA	CC	1940166950
SNP_P1_42388_31371067	NC_021162.1	Ca_kabuli_chr03	31371067	TT	GG	1940166952
SNP_P1_42389_31371244	NC_021162.1	Ca_kabuli_chr03	31371244	AA	GG	1940166954
SNP_P1_42390_31371417	NC_021162.1	Ca_kabuli_chr03	31371417	TT	GG	1940166956
SNP_P1_42392_31371541	NC_021162.1	Ca_kabuli_chr03	31371541	CC	TT	1940166958
SNP_P1_42393_31371558	NC_021162.1	Ca_kabuli_chr03	31371558	TT	CC	1940166961
SNP_P1_42394_31371945	NC_021162.1	Ca_kabuli_chr03	31371945	TT	CC	1940166963
SNP_P1_42395_31371953	NC_021162.1	Ca_kabuli_chr03	31371953	GG	AA	1940166965
SNP_P1_42396_31372629	NC_021162.1	Ca_kabuli_chr03	31372629	AA	TT	1940166967
SNP_P1_42397_31372643	NC_021162.1	Ca_kabuli_chr03	31372643	TT	AA	1940166969

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42399_31372686	NC_021162.1	Ca_kabuli_chr03	31372686	AA	TT	1940166974
SNP_P1_42400_31372687	NC_021162.1	Ca_kabuli_chr03	31372687	AA	TT	1940166976
SNP_P1_42401_31374279	NC_021162.1	Ca_kabuli_chr03	31374279	CC	GG	1940166978
SNP_P1_42402_31374871	NC_021162.1	Ca_kabuli_chr03	31374871	GG	TT	1940166980
SNP_P1_42403_31374999	NC_021162.1	Ca_kabuli_chr03	31374999	CC	TT	1940166983
SNP_P1_42404_31375813	NC_021162.1	Ca_kabuli_chr03	31375813	AA	TT	1940166985
SNP_P1_42406_31376026	NC_021162.1	Ca_kabuli_chr03	31376026	AA	TT	1940166987
SNP_P1_42407_31376587	NC_021162.1	Ca_kabuli_chr03	31376587	GG	TT	1940166989
SNP_P1_42408_31376593	NC_021162.1	Ca_kabuli_chr03	31376593	AA	GG	1940166991
SNP_P1_42410_31376705	NC_021162.1	Ca_kabuli_chr03	31376705	GG	CC	1940166993
SNP_P1_42411_31377101	NC_021162.1	Ca_kabuli_chr03	31377101	AA	CC	1940166996
SNP_P1_42412_31378318	NC_021162.1	Ca_kabuli_chr03	31378318	GG	CC	1940166998
SNP_P1_42413_31378760	NC_021162.1	Ca_kabuli_chr03	31378760	CC	TT	1940167000
SNP_P1_42414_31379099	NC_021162.1	Ca_kabuli_chr03	31379099	AA	TT	1940167002
SNP_P1_42415_31379105	NC_021162.1	Ca_kabuli_chr03	31379105	TT	AA	1940167004
SNP_P1_42416_31379158	NC_021162.1	Ca_kabuli_chr03	31379158	GG	CC	1940167007
SNP_P1_42417_31379398	NC_021162.1	Ca_kabuli_chr03	31379398	AA	TT	1940167009
SNP_P1_42418_31379401	NC_021162.1	Ca_kabuli_chr03	31379401	TT	CC	1940167011
SNP_P1_42419_31379418	NC_021162.1	Ca_kabuli_chr03	31379418	GG	CC	1940167013
SNP_P1_42420_31379429	NC_021162.1	Ca_kabuli_chr03	31379429	AA	TT	1940167015
SNP_P1_42422_31379793	NC_021162.1	Ca_kabuli_chr03	31379793	CC	AA	1940167018
SNP_P1_42423_31379795	NC_021162.1	Ca_kabuli_chr03	31379795	TT	CC	1940167020
SNP_P1_42424_31380333	NC_021162.1	Ca_kabuli_chr03	31380333	CC	GG	1940167022
SNP_P1_42425_31381445	NC_021162.1	Ca_kabuli_chr03	31381445	TT	AA	1940167024
SNP_P1_42429_31381767	NC_021162.1	Ca_kabuli_chr03	31381767	TT	CC	1940167026
SNP_P1_42430_31381787	NC_021162.1	Ca_kabuli_chr03	31381787	AA	GG	1940167028
SNP_P1_42431_31381806	NC_021162.1	Ca_kabuli_chr03	31381806	AA	CC	1940167030
SNP_P1_42433_31381820	NC_021162.1	Ca_kabuli_chr03	31381820	TT	CC	1940167033
SNP_P1_42434_31381938	NC_021162.1	Ca_kabuli_chr03	31381938	TT	CC	1940167035
SNP_P1_42435_31382120	NC_021162.1	Ca_kabuli_chr03	31382120	GG	TT	1940167037
SNP_P1_42436_31382642	NC_021162.1	Ca_kabuli_chr03	31382642	GG	CC	1940167039
SNP_P1_42438_31383251	NC_021162.1	Ca_kabuli_chr03	31383251	TT	CC	1940167041
SNP_P1_42440_31383477	NC_021162.1	Ca_kabuli_chr03	31383477	CC	TT	1940167044
SNP_P1_42442_31383699	NC_021162.1	Ca_kabuli_chr03	31383699	GG	CC	1940167046
SNP_P1_42444_31385165	NC_021162.1	Ca_kabuli_chr03	31385165	GG	AA	1940167048
SNP_P1_42445_31385269	NC_021162.1	Ca_kabuli_chr03	31385269	TT	CC	1940167050
SNP_P1_42447_31386917	NC_021162.1	Ca_kabuli_chr03	31386917	TT	AA	1940167052
SNP_P1_42448_31386926	NC_021162.1	Ca_kabuli_chr03	31386926	GG	AA	1940167054
SNP_P1_42449_31386960	NC_021162.1	Ca_kabuli_chr03	31386960	AA	GG	1940167056
SNP_P1_42450_31386986	NC_021162.1	Ca_kabuli_chr03	31386986	TT	CC	1940167059
SNP_P1_42451_31387042	NC_021162.1	Ca_kabuli_chr03	31387042	GG	AA	1940167061

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42454_31387568	NC_021162.1	Ca_kabuli_chr03	31387568	CC	TT	1940167065
SNP_P1_42455_31389449	NC_021162.1	Ca_kabuli_chr03	31389449	TT	CC	1940167067
SNP_P1_42456_31390586	NC_021162.1	Ca_kabuli_chr03	31390586	GG	AA	1940167070
SNP_P1_42457_31390666	NC_021162.1	Ca_kabuli_chr03	31390666	TT	AA	1940167072
SNP_P1_42458_31391089	NC_021162.1	Ca_kabuli_chr03	31391089	CC	TT	1940167074
SNP_P1_42459_31391289	NC_021162.1	Ca_kabuli_chr03	31391289	AA	GG	1940167076
SNP_P1_42460_31391736	NC_021162.1	Ca_kabuli_chr03	31391736	TT	GG	1940167078
SNP_P1_42462_31392354	NC_021162.1	Ca_kabuli_chr03	31392354	GG	AA	1940167080
SNP_P1_42463_31392374	NC_021162.1	Ca_kabuli_chr03	31392374	AA	TT	1940167082
SNP_P1_42465_31393160	NC_021162.1	Ca_kabuli_chr03	31393160	CC	TT	1940167085
SNP_P1_42467_31393344	NC_021162.1	Ca_kabuli_chr03	31393344	CC	TT	1940167087
SNP_P1_42468_31393630	NC_021162.1	Ca_kabuli_chr03	31393630	AA	GG	1940167089
SNP_P1_42469_31393797	NC_021162.1	Ca_kabuli_chr03	31393797	AA	GG	1940167091
SNP_P1_42470_31393810	NC_021162.1	Ca_kabuli_chr03	31393810	AA	GG	1940167093
SNP_P1_42471_31393838	NC_021162.1	Ca_kabuli_chr03	31393838	TT	AA	1940167095
SNP_P1_42472_31394023	NC_021162.1	Ca_kabuli_chr03	31394023	GG	AA	1940167097
SNP_P1_42473_31394044	NC_021162.1	Ca_kabuli_chr03	31394044	TT	CC	1940167099
SNP_P1_42474_31394047	NC_021162.1	Ca_kabuli_chr03	31394047	TT	GG	1940167102
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SNP_P1_42476_31394097	NC_021162.1	Ca_kabuli_chr03	31394097	TT	AA	1940167106
SNP_P1_42477_31394107	NC_021162.1	Ca_kabuli_chr03	31394107	CC	TT	1940167108
SNP_P1_42478_31394210	NC_021162.1	Ca_kabuli_chr03	31394210	TT	AA	1940167110
SNP_P1_42479_31394362	NC_021162.1	Ca_kabuli_chr03	31394362	CC	GG	1940167112
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SNP_P1_42482_31395902	NC_021162.1	Ca_kabuli_chr03	31395902	CC	TT	1940167119
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SNP_P1_42485_31396116	NC_021162.1	Ca_kabuli_chr03	31396116	AA	GG	1940167125
SNP_P1_42486_31397535	NC_021162.1	Ca_kabuli_chr03	31397535	GG	AA	1940167127
SNP_P1_42487_31399710	NC_021162.1	Ca_kabuli_chr03	31399710	CC	AA	1940167130
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SNP_P1_42493_31412500	NC_021162.1	Ca_kabuli_chr03	31412500	TT	CC	1940167138
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SNP_P1_42497_31414213	NC_021162.1	Ca_kabuli_chr03	31414213	AA	CC	1940167145
SNP_P1_42498_31414536	NC_021162.1	Ca_kabuli_chr03	31414536	TT	AA	1940167147
SNP_P1_42499_31416636	NC_021162.1	Ca_kabuli_chr03	31416636	GG	AA	1940167149
SNP_P1_42500_31416642	NC_021162.1	Ca_kabuli_chr03	31416642	CC	TT	1940167151

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42504_31416756	NC_021162.1	Ca_kabuli_chr03	31416756	TT	CC	1940167158
SNP_P1_42505_31417460	NC_021162.1	Ca_kabuli_chr03	31417460	CC	AA	1940167160
SNP_P1_42506_31417551	NC_021162.1	Ca_kabuli_chr03	31417551	AA	GG	1940167162
SNP_P1_42507_31419359	NC_021162.1	Ca_kabuli_chr03	31419359	TT	AA	1940167164
SNP_P1_42508_31419948	NC_021162.1	Ca_kabuli_chr03	31419948	CC	TT	1940167167
SNP_P1_42509_31420382	NC_021162.1	Ca_kabuli_chr03	31420382	GG	CC	1940167169
SNP_P1_42510_31420899	NC_021162.1	Ca_kabuli_chr03	31420899	CC	TT	1940167171
SNP_P1_42511_31425154	NC_021162.1	Ca_kabuli_chr03	31425154	CC	GG	1940167173
SNP_P1_42512_31425208	NC_021162.1	Ca_kabuli_chr03	31425208	AA	GG	1940167175
SNP_P1_42514_31426587	NC_021162.1	Ca_kabuli_chr03	31426587	AA	GG	1940167177
SNP_P1_42515_31426602	NC_021162.1	Ca_kabuli_chr03	31426602	CC	TT	1940167180
SNP_P1_42516_31426867	NC_021162.1	Ca_kabuli_chr03	31426867	AA	GG	1940167182
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SNP_P1_42518_31426905	NC_021162.1	Ca_kabuli_chr03	31426905	GG	AA	1940167186
SNP_P1_42519_31427024	NC_021162.1	Ca_kabuli_chr03	31427024	AA	GG	1940167188
SNP_P1_42520_31427102	NC_021162.1	Ca_kabuli_chr03	31427102	CC	TT	1940167190
SNP_P1_42521_31431413	NC_021162.1	Ca_kabuli_chr03	31431413	CC	GG	1940167193
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SNP_P1_42524_31434642	NC_021162.1	Ca_kabuli_chr03	31434642	TT	CC	1940167197
SNP_P1_42525_31434664	NC_021162.1	Ca_kabuli_chr03	31434664	CC	TT	1940167199
SNP_P1_42526_31434743	NC_021162.1	Ca_kabuli_chr03	31434743	AA	GG	1940167201
SNP_P1_42527_31434748	NC_021162.1	Ca_kabuli_chr03	31434748	TT	CC	1940167203
SNP_P1_42528_31435013	NC_021162.1	Ca_kabuli_chr03	31435013	TT	CC	1940167206
SNP_P1_42529_31435024	NC_021162.1	Ca_kabuli_chr03	31435024	AA	TT	1940167208
SNP_P1_42530_31435896	NC_021162.1	Ca_kabuli_chr03	31435896	AA	CC	1940167210
SNP_P1_42531_31439934	NC_021162.1	Ca_kabuli_chr03	31439934	AA	CC	1940167212
SNP_P1_42532_31440203	NC_021162.1	Ca_kabuli_chr03	31440203	TT	GG	1940167214
SNP_P1_42533_31441489	NC_021162.1	Ca_kabuli_chr03	31441489	GG	AA	1940167217
SNP_P1_42535_31441843	NC_021162.1	Ca_kabuli_chr03	31441843	TT	GG	1940167219
SNP_P1_42536_31441889	NC_021162.1	Ca_kabuli_chr03	31441889	AA	CC	1940167221
SNP_P1_42537_31441919	NC_021162.1	Ca_kabuli_chr03	31441919	AA	TT	1940167223
SNP_P1_42538_31441921	NC_021162.1	Ca_kabuli_chr03	31441921	CC	GG	1940167225
SNP_P1_42539_31443631	NC_021162.1	Ca_kabuli_chr03	31443631	CC	TT	1940167227
SNP_P1_42541_31443832	NC_021162.1	Ca_kabuli_chr03	31443832	CC	TT	1940167230
SNP_P1_42542_31443847	NC_021162.1	Ca_kabuli_chr03	31443847	AA	TT	1940167232
SNP_P1_42543_31443855	NC_021162.1	Ca_kabuli_chr03	31443855	TT	CC	1940167234
SNP_P1_42544_31443877	NC_021162.1	Ca_kabuli_chr03	31443877	CC	TT	1940167236
SNP_P1_42545_31443929	NC_021162.1	Ca_kabuli_chr03	31443929	TT	CC	1940167238
SNP_P1_42546_31443930	NC_021162.1	Ca_kabuli_chr03	31443930	GG	AA	1940167240
SNP_P1_42547_31443931	NC_021162.1	Ca_kabuli_chr03	31443931	GG	AA	1940167243

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42549_31443944	NC_021162.1	Ca_kabuli_chr03	31443944	TT	CC	1940167247
SNP_P1_42550_31443950	NC_021162.1	Ca_kabuli_chr03	31443950	AA	TT	1940167249
SNP_P1_42551_31443983	NC_021162.1	Ca_kabuli_chr03	31443983	TT	CC	1940167251
SNP_P1_42552_31443996	NC_021162.1	Ca_kabuli_chr03	31443996	AA	TT	1940167254
SNP_P1_42553_31444023	NC_021162.1	Ca_kabuli_chr03	31444023	AA	GG	1940167256
SNP_P1_42554_31444037	NC_021162.1	Ca_kabuli_chr03	31444037	GG	CC	1940167258
SNP_P1_42555_31444091	NC_021162.1	Ca_kabuli_chr03	31444091	TT	CC	1940167260
SNP_P1_42556_31444110	NC_021162.1	Ca_kabuli_chr03	31444110	GG	TT	1940167262
SNP_P1_42558_31444192	NC_021162.1	Ca_kabuli_chr03	31444192	GG	CC	1940167264
SNP_P1_42559_31444334	NC_021162.1	Ca_kabuli_chr03	31444334	CC	GG	1940167267
SNP_P1_42562_31445181	NC_021162.1	Ca_kabuli_chr03	31445181	TT	CC	1940167269
SNP_P1_42563_31445635	NC_021162.1	Ca_kabuli_chr03	31445635	AA	TT	1940167271
SNP_P1_42564_31445678	NC_021162.1	Ca_kabuli_chr03	31445678	GG	AA	1940167273
SNP_P1_42565_31446054	NC_021162.1	Ca_kabuli_chr03	31446054	TT	CC	1940167275
SNP_P1_42567_31446565	NC_021162.1	Ca_kabuli_chr03	31446565	AA	TT	1940167277
SNP_P1_42568_31446605	NC_021162.1	Ca_kabuli_chr03	31446605	GG	CC	1940167280
SNP_P1_42569_31447128	NC_021162.1	Ca_kabuli_chr03	31447128	GG	AA	1940167282
SNP_P1_42570_31447484	NC_021162.1	Ca_kabuli_chr03	31447484	TT	CC	1940167284
SNP_P1_42572_31448402	NC_021162.1	Ca_kabuli_chr03	31448402	AA	CC	1940167286
SNP_P1_42573_31448754	NC_021162.1	Ca_kabuli_chr03	31448754	TT	CC	1940167288
SNP_P1_42574_31449151	NC_021162.1	Ca_kabuli_chr03	31449151	AA	GG	1940167291
SNP_P1_42576_31449211	NC_021162.1	Ca_kabuli_chr03	31449211	AA	CC	1940167293
SNP_P1_42577_31449270	NC_021162.1	Ca_kabuli_chr03	31449270	AA	GG	1940167295
SNP_P1_42578_31449285	NC_021162.1	Ca_kabuli_chr03	31449285	CC	TT	1940167297
SNP_P1_42579_31449288	NC_021162.1	Ca_kabuli_chr03	31449288	GG	TT	1940167299
SNP_P1_42580_31449345	NC_021162.1	Ca_kabuli_chr03	31449345	GG	TT	1940167301
SNP_P1_42581_31449352	NC_021162.1	Ca_kabuli_chr03	31449352	TT	CC	1940167304
SNP_P1_42582_31449478	NC_021162.1	Ca_kabuli_chr03	31449478	GG	AA	1940167306
SNP_P1_42583_31449969	NC_021162.1	Ca_kabuli_chr03	31449969	AA	TT	1940167308
SNP_P1_42584_31450187	NC_021162.1	Ca_kabuli_chr03	31450187	AA	CC	1940167310
SNP_P1_42588_31451015	NC_021162.1	Ca_kabuli_chr03	31451015	CC	TT	1940167312
SNP_P1_42590_31451376	NC_021162.1	Ca_kabuli_chr03	31451376	GG	AA	1940167314
SNP_P1_42591_31451742	NC_021162.1	Ca_kabuli_chr03	31451742	GG	CC	1940167317
SNP_P1_42592_31451938	NC_021162.1	Ca_kabuli_chr03	31451938	AA	GG	1940167319
SNP_P1_42593_31452000	NC_021162.1	Ca_kabuli_chr03	31452000	AA	CC	1940167321
SNP_P1_42595_31452309	NC_021162.1	Ca_kabuli_chr03	31452309	GG	AA	1940167323
SNP_P1_42596_31452323	NC_021162.1	Ca_kabuli_chr03	31452323	AA	GG	1940167325
SNP_P1_42597_31453024	NC_021162.1	Ca_kabuli_chr03	31453024	CC	AA	1940167327
SNP_P1_42599_31454280	NC_021162.1	Ca_kabuli_chr03	31454280	TT	CC	1940167329
SNP_P1_42600_31454283	NC_021162.1	Ca_kabuli_chr03	31454283	AA	GG	1940167332
SNP_P1_42601_31454284	NC_021162.1	Ca_kabuli_chr03	31454284	TT	GG	1940167334

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42603_31454338	NC_021162.1	Ca_kabuli_chr03	31454338	CC	TT	1940167338
SNP_P1_42604_31454339	NC_021162.1	Ca_kabuli_chr03	31454339	CC	TT	1940167340
SNP_P1_42605_31454340	NC_021162.1	Ca_kabuli_chr03	31454340	CC	TT	1940167343
SNP_P1_42606_31454379	NC_021162.1	Ca_kabuli_chr03	31454379	TT	CC	1940167345
SNP_P1_42607_31454380	NC_021162.1	Ca_kabuli_chr03	31454380	GG	TT	1940167347
SNP_P1_42608_31454428	NC_021162.1	Ca_kabuli_chr03	31454428	CC	AA	1940167349
SNP_P1_42609_31454430	NC_021162.1	Ca_kabuli_chr03	31454430	TT	CC	1940167351
SNP_P1_42610_31454444	NC_021162.1	Ca_kabuli_chr03	31454444	CC	AA	1940167354
SNP_P1_42611_31454498	NC_021162.1	Ca_kabuli_chr03	31454498	GG	AA	1940167356
SNP_P1_42612_31454968	NC_021162.1	Ca_kabuli_chr03	31454968	TT	AA	1940167358
SNP_P1_42613_31458311	NC_021162.1	Ca_kabuli_chr03	31458311	TT	CC	1940167360
SNP_P1_42614_31458558	NC_021162.1	Ca_kabuli_chr03	31458558	AA	TT	1940167362
SNP_P1_42615_31458681	NC_021162.1	Ca_kabuli_chr03	31458681	TT	CC	1940167364
SNP_P1_42617_31458838	NC_021162.1	Ca_kabuli_chr03	31458838	AA	GG	1940167367
SNP_P1_42618_31458877	NC_021162.1	Ca_kabuli_chr03	31458877	CC	AA	1940167369
SNP_P1_42619_31459203	NC_021162.1	Ca_kabuli_chr03	31459203	TT	CC	1940167371
SNP_P1_42620_31459224	NC_021162.1	Ca_kabuli_chr03	31459224	AA	TT	1940167373
SNP_P1_42621_31459368	NC_021162.1	Ca_kabuli_chr03	31459368	CC	TT	1940167375
SNP_P1_42622_31459384	NC_021162.1	Ca_kabuli_chr03	31459384	GG	AA	1940167378
SNP_P1_42623_31459428	NC_021162.1	Ca_kabuli_chr03	31459428	GG	AA	1940167380
SNP_P1_42624_31459478	NC_021162.1	Ca_kabuli_chr03	31459478	TT	CC	1940167382
SNP_P1_42625_31459902	NC_021162.1	Ca_kabuli_chr03	31459902	AA	GG	1940167384
SNP_P1_42626_31459907	NC_021162.1	Ca_kabuli_chr03	31459907	TT	CC	1940167386
SNP_P1_42627_31460173	NC_021162.1	Ca_kabuli_chr03	31460173	AA	CC	1940167389
SNP_P1_42628_31460667	NC_021162.1	Ca_kabuli_chr03	31460667	TT	AA	1940167391
SNP_P1_42629_31461015	NC_021162.1	Ca_kabuli_chr03	31461015	AA	GG	1940167393
SNP_P1_42630_31463446	NC_021162.1	Ca_kabuli_chr03	31463446	GG	AA	1940167395
SNP_P1_42631_31463771	NC_021162.1	Ca_kabuli_chr03	31463771	TT	CC	1940167398
SNP_P1_42632_31463779	NC_021162.1	Ca_kabuli_chr03	31463779	TT	AA	1940167400
SNP_P1_42633_31465168	NC_021162.1	Ca_kabuli_chr03	31465168	CC	TT	1940167402
SNP_P1_42634_31465188	NC_021162.1	Ca_kabuli_chr03	31465188	TT	CC	1940167404
SNP_P1_42635_31465216	NC_021162.1	Ca_kabuli_chr03	31465216	AA	GG	1940167406
SNP_P1_42636_31465236	NC_021162.1	Ca_kabuli_chr03	31465236	GG	AA	1940167408
SNP_P1_42637_31465237	NC_021162.1	Ca_kabuli_chr03	31465237	AA	CC	1940167411
SNP_P1_42638_31465708	NC_021162.1	Ca_kabuli_chr03	31465708	CC	AA	1940167413
SNP_P1_42639_31465740	NC_021162.1	Ca_kabuli_chr03	31465740	CC	TT	1940167415
SNP_P1_42640_31466531	NC_021162.1	Ca_kabuli_chr03	31466531	TT	CC	1940167417
SNP_P1_42641_31466576	NC_021162.1	Ca_kabuli_chr03	31466576	TT	GG	1940167419
SNP_P1_42642_31466585	NC_021162.1	Ca_kabuli_chr03	31466585	AA	TT	1940167421
SNP_P1_42643_31466758	NC_021162.1	Ca_kabuli_chr03	31466758	CC	TT	1940167423
SNP_P1_42644_31466823	NC_021162.1	Ca_kabuli_chr03	31466823	CC	TT	1940167425

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42646_31466849	NC_021162.1	Ca_kabuli_chr03	31466849	GG	AA	1940167430
SNP_P1_42647_31466987	NC_021162.1	Ca_kabuli_chr03	31466987	GG	AA	1940167432
SNP_P1_42649_31468894	NC_021162.1	Ca_kabuli_chr03	31468894	AA	GG	1940167434
SNP_P1_42650_31471017	NC_021162.1	Ca_kabuli_chr03	31471017	TT	CC	1940167437
SNP_P1_42651_31471024	NC_021162.1	Ca_kabuli_chr03	31471024	AA	GG	1940167439
SNP_P1_42654_31471729	NC_021162.1	Ca_kabuli_chr03	31471729	GG	AA	1940167441
SNP_P1_42657_31473010	NC_021162.1	Ca_kabuli_chr03	31473010	GG	TT	1940167443
SNP_P1_42659_31473041	NC_021162.1	Ca_kabuli_chr03	31473041	TT	AA	1940167445
SNP_P1_42660_31473066	NC_021162.1	Ca_kabuli_chr03	31473066	CC	TT	1940167447
SNP_P1_42661_31473215	NC_021162.1	Ca_kabuli_chr03	31473215	TT	CC	1940167450
SNP_P1_42662_31473279	NC_021162.1	Ca_kabuli_chr03	31473279	TT	CC	1940167452
SNP_P1_42663_31473282	NC_021162.1	Ca_kabuli_chr03	31473282	AA	GG	1940167454
SNP_P1_42664_31473348	NC_021162.1	Ca_kabuli_chr03	31473348	CC	GG	1940167456
SNP_P1_42665_31473504	NC_021162.1	Ca_kabuli_chr03	31473504	GG	AA	1940167458
SNP_P1_42666_31473755	NC_021162.1	Ca_kabuli_chr03	31473755	AA	GG	1940167460
SNP_P1_42667_31473799	NC_021162.1	Ca_kabuli_chr03	31473799	TT	AA	1940167463
SNP_P1_42668_31475342	NC_021162.1	Ca_kabuli_chr03	31475342	TT	AA	1940167465
SNP_P1_42669_31475346	NC_021162.1	Ca_kabuli_chr03	31475346	GG	CC	1940167467
SNP_P1_42670_31475350	NC_021162.1	Ca_kabuli_chr03	31475350	AA	CC	1940167469
SNP_P1_42671_31475353	NC_021162.1	Ca_kabuli_chr03	31475353	TT	CC	1940167472
SNP_P1_42672_31475354	NC_021162.1	Ca_kabuli_chr03	31475354	AA	GG	1940167474
SNP_P1_42674_31475550	NC_021162.1	Ca_kabuli_chr03	31475550	GG	AA	1940167476
SNP_P1_42675_31475565	NC_021162.1	Ca_kabuli_chr03	31475565	TT	CC	1940167478
SNP_P1_42676_31475567	NC_021162.1	Ca_kabuli_chr03	31475567	GG	AA	1940167480
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SNP_P1_42679_31475648	NC_021162.1	Ca_kabuli_chr03	31475648	GG	AA	1940167485
SNP_P1_42680_31475704	NC_021162.1	Ca_kabuli_chr03	31475704	CC	TT	1940167487
SNP_P1_42681_31475707	NC_021162.1	Ca_kabuli_chr03	31475707	TT	CC	1940167489
SNP_P1_42682_31475828	NC_021162.1	Ca_kabuli_chr03	31475828	CC	AA	1940167491
SNP_P1_42683_31475844	NC_021162.1	Ca_kabuli_chr03	31475844	GG	AA	1940167493
SNP_P1_42685_31475955	NC_021162.1	Ca_kabuli_chr03	31475955	TT	CC	1940167495
SNP_P1_42686_31476037	NC_021162.1	Ca_kabuli_chr03	31476037	TT	CC	1940167498
SNP_P1_42688_31476284	NC_021162.1	Ca_kabuli_chr03	31476284	TT	GG	1940167500
SNP_P1_42690_31476317	NC_021162.1	Ca_kabuli_chr03	31476317	AA	GG	1940167502
SNP_P1_42691_31476599	NC_021162.1	Ca_kabuli_chr03	31476599	TT	CC	1940167504
SNP_P1_42692_31476624	NC_021162.1	Ca_kabuli_chr03	31476624	GG	TT	1940167506
SNP_P1_42693_31477712	NC_021162.1	Ca_kabuli_chr03	31477712	GG	AA	1940167509
SNP_P1_42694_31477907	NC_021162.1	Ca_kabuli_chr03	31477907	AA	GG	1940167511
SNP_P1_42695_31477929	NC_021162.1	Ca_kabuli_chr03	31477929	GG	AA	1940167513
SNP_P1_42696_31477984	NC_021162.1	Ca_kabuli_chr03	31477984	TT	CC	1940167515
SNP_P1_42699_31480284	NC_021162.1	Ca_kabuli_chr03	31480284	AA	TT	1940167517

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42702_31480682	NC_021162.1	Ca_kabuli_chr03	31480682	CC	GG	1940167522
SNP_P1_42703_31480764	NC_021162.1	Ca_kabuli_chr03	31480764	CC	TT	1940167524
SNP_P1_42704_31480765	NC_021162.1	Ca_kabuli_chr03	31480765	GG	TT	1940167526
SNP_P1_42705_31480779	NC_021162.1	Ca_kabuli_chr03	31480779	GG	CC	1940167528
SNP_P1_42706_31480845	NC_021162.1	Ca_kabuli_chr03	31480845	CC	TT	1940167530
SNP_P1_42707_31480867	NC_021162.1	Ca_kabuli_chr03	31480867	GG	AA	1940167533
SNP_P1_42708_31480876	NC_021162.1	Ca_kabuli_chr03	31480876	GG	AA	1940167535
SNP_P1_42709_31481965	NC_021162.1	Ca_kabuli_chr03	31481965	TT	AA	1940167537
SNP_P1_42710_31481973	NC_021162.1	Ca_kabuli_chr03	31481973	CC	TT	1940167539
SNP_P1_42711_31482007	NC_021162.1	Ca_kabuli_chr03	31482007	TT	CC	1940167542
SNP_P1_42712_31482029	NC_021162.1	Ca_kabuli_chr03	31482029	TT	CC	1940167544
SNP_P1_42713_31482037	NC_021162.1	Ca_kabuli_chr03	31482037	AA	TT	1940167546
SNP_P1_42714_31484959	NC_021162.1	Ca_kabuli_chr03	31484959	AA	GG	1940167548
SNP_P1_42715_31485005	NC_021162.1	Ca_kabuli_chr03	31485005	CC	TT	1940167550
SNP_P1_42716_31485078	NC_021162.1	Ca_kabuli_chr03	31485078	TT	GG	1940167553
SNP_P1_42717_31487283	NC_021162.1	Ca_kabuli_chr03	31487283	AA	GG	1940167555
SNP_P1_42718_31493381	NC_021162.1	Ca_kabuli_chr03	31493381	CC	GG	1940167557
SNP_P1_42719_31494761	NC_021162.1	Ca_kabuli_chr03	31494761	CC	TT	1940167559
SNP_P1_42720_31494763	NC_021162.1	Ca_kabuli_chr03	31494763	TT	CC	1940167561
SNP_P1_42721_31494935	NC_021162.1	Ca_kabuli_chr03	31494935	CC	TT	1940167563
SNP_P1_42723_31495281	NC_021162.1	Ca_kabuli_chr03	31495281	TT	GG	1940167566
SNP_P1_42724_31495288	NC_021162.1	Ca_kabuli_chr03	31495288	TT	GG	1940167568
SNP_P1_42725_31496335	NC_021162.1	Ca_kabuli_chr03	31496335	TT	GG	1940167570
SNP_P1_42726_31497841	NC_021162.1	Ca_kabuli_chr03	31497841	AA	GG	1940167572
SNP_P1_42727_31497984	NC_021162.1	Ca_kabuli_chr03	31497984	AA	GG	1940167574
SNP_P1_42729_31498017	NC_021162.1	Ca_kabuli_chr03	31498017	TT	AA	1940167577
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SNP_P1_42735_31499046	NC_021162.1	Ca_kabuli_chr03	31499046	CC	TT	1940167581
SNP_P1_42736_31499055	NC_021162.1	Ca_kabuli_chr03	31499055	TT	CC	1940167583
SNP_P1_42737_31499238	NC_021162.1	Ca_kabuli_chr03	31499238	GG	AA	1940167585
SNP_P1_42738_31499550	NC_021162.1	Ca_kabuli_chr03	31499550	CC	TT	1940167587
SNP_P1_42739_31499630	NC_021162.1	Ca_kabuli_chr03	31499630	AA	CC	1940167590
SNP_P1_42740_31501040	NC_021162.1	Ca_kabuli_chr03	31501040	TT	GG	1940167592
SNP_P1_42741_31501432	NC_021162.1	Ca_kabuli_chr03	31501432	GG	AA	1940167594
SNP_P1_42742_31502434	NC_021162.1	Ca_kabuli_chr03	31502434	CC	TT	1940167596
SNP_P1_42743_31502459	NC_021162.1	Ca_kabuli_chr03	31502459	CC	TT	1940167598
SNP_P1_42744_31502461	NC_021162.1	Ca_kabuli_chr03	31502461	CC	TT	1940167600
SNP_P1_42746_31502477	NC_021162.1	Ca_kabuli_chr03	31502477	GG	AA	1940167603
SNP_P1_42747_31503002	NC_021162.1	Ca_kabuli_chr03	31503002	TT	CC	1940167605
SNP_P1_42748_31504083	NC_021162.1	Ca_kabuli_chr03	31504083	AA	GG	1940167607
SNP_P1_42749_31504162	NC_021162.1	Ca_kabuli_chr03	31504162	TT	AA	1940167609

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42751_31505561	NC_021162.1	Ca_kabuli_chr03	31505561	AA	GG	1940167613
SNP_P1_42752_31505732	NC_021162.1	Ca_kabuli_chr03	31505732	CC	TT	1940167616
SNP_P1_42753_31506258	NC_021162.1	Ca_kabuli_chr03	31506258	AA	GG	1940167618
SNP_P1_42754_31506830	NC_021162.1	Ca_kabuli_chr03	31506830	AA	CC	1940167620
SNP_P1_42755_31511883	NC_021162.1	Ca_kabuli_chr03	31511883	CC	AA	1940167622
SNP_P1_42756_31511929	NC_021162.1	Ca_kabuli_chr03	31511929	CC	TT	1940167624
SNP_P1_42757_31511940	NC_021162.1	Ca_kabuli_chr03	31511940	TT	GG	1940167627
SNP_P1_42758_31512136	NC_021162.1	Ca_kabuli_chr03	31512136	CC	TT	1940167629
SNP_P1_42759_31512137	NC_021162.1	Ca_kabuli_chr03	31512137	GG	AA	1940167631
SNP_P1_42760_31512161	NC_021162.1	Ca_kabuli_chr03	31512161	CC	TT	1940167633
SNP_P1_42762_31513347	NC_021162.1	Ca_kabuli_chr03	31513347	TT	CC	1940167635
SNP_P1_42763_31513916	NC_021162.1	Ca_kabuli_chr03	31513916	TT	CC	1940167637
SNP_P1_42764_31514331	NC_021162.1	Ca_kabuli_chr03	31514331	AA	TT	1940167639
SNP_P1_42765_31514332	NC_021162.1	Ca_kabuli_chr03	31514332	TT	CC	1940167642
SNP_P1_42767_31514618	NC_021162.1	Ca_kabuli_chr03	31514618	AA	CC	1940167644
SNP_P1_42768_31515661	NC_021162.1	Ca_kabuli_chr03	31515661	TT	CC	1940167646
SNP_P1_42769_31515805	NC_021162.1	Ca_kabuli_chr03	31515805	CC	TT	1940167648
SNP_P1_42770_31516662	NC_021162.1	Ca_kabuli_chr03	31516662	GG	TT	1940167651
SNP_P1_42771_31517136	NC_021162.1	Ca_kabuli_chr03	31517136	GG	AA	1940167653
SNP_P1_42772_31517596	NC_021162.1	Ca_kabuli_chr03	31517596	CC	TT	1940167655
SNP_P1_42773_31517624	NC_021162.1	Ca_kabuli_chr03	31517624	GG	AA	1940167657
SNP_P1_42774_31517631	NC_021162.1	Ca_kabuli_chr03	31517631	TT	CC	1940167659
SNP_P1_42775_31518500	NC_021162.1	Ca_kabuli_chr03	31518500	AA	GG	1940167661
SNP_P1_42776_31518763	NC_021162.1	Ca_kabuli_chr03	31518763	CC	TT	1940167663
SNP_P1_42777_31518764	NC_021162.1	Ca_kabuli_chr03	31518764	GG	AA	1940167666
SNP_P1_42778_31518989	NC_021162.1	Ca_kabuli_chr03	31518989	TT	AA	1940167668
SNP_P1_42781_31519542	NC_021162.1	Ca_kabuli_chr03	31519542	AA	TT	1940167670
SNP_P1_42782_31519880	NC_021162.1	Ca_kabuli_chr03	31519880	CC	TT	1940167672
SNP_P1_42783_31520119	NC_021162.1	Ca_kabuli_chr03	31520119	CC	TT	1940167674
SNP_P1_42784_31520190	NC_021162.1	Ca_kabuli_chr03	31520190	TT	CC	1940167676
SNP_P1_42785_31520198	NC_021162.1	Ca_kabuli_chr03	31520198	GG	AA	1940167679
SNP_P1_42786_31520225	NC_021162.1	Ca_kabuli_chr03	31520225	AA	TT	1940167681
SNP_P1_42787_31520490	NC_021162.1	Ca_kabuli_chr03	31520490	TT	GG	1940167683
SNP_P1_42788_31520495	NC_021162.1	Ca_kabuli_chr03	31520495	AA	TT	1940167685
SNP_P1_42790_31521142	NC_021162.1	Ca_kabuli_chr03	31521142	TT	CC	1940167687
SNP_P1_42791_31521155	NC_021162.1	Ca_kabuli_chr03	31521155	TT	AA	1940167689
SNP_P1_42792_31527554	NC_021162.1	Ca_kabuli_chr03	31527554	CC	GG	1940167692
SNP_P1_42793_31527583	NC_021162.1	Ca_kabuli_chr03	31527583	TT	AA	1940167694
SNP_P1_42794_31527604	NC_021162.1	Ca_kabuli_chr03	31527604	TT	AA	1940167696
SNP_P1_42795_31527846	NC_021162.1	Ca_kabuli_chr03	31527846	AA	GG	1940167698
SNP_P1_42796_31528309	NC_021162.1	Ca_kabuli_chr03	31528309	GG	CC	1940167700

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42799_31530410	NC_021162.1	Ca_kabuli_chr03	31530410	TT	AA	1940167705
SNP_P1_42800_31530525	NC_021162.1	Ca_kabuli_chr03	31530525	CC	TT	1940167707
SNP_P1_42802_31530874	NC_021162.1	Ca_kabuli_chr03	31530874	GG	AA	1940167709
SNP_P1_42803_31530926	NC_021162.1	Ca_kabuli_chr03	31530926	AA	GG	1940167711
SNP_P1_42804_31530993	NC_021162.1	Ca_kabuli_chr03	31530993	CC	TT	1940167713
SNP_P1_42805_31531022	NC_021162.1	Ca_kabuli_chr03	31531022	AA	GG	1940167716
SNP_P1_42807_31531305	NC_021162.1	Ca_kabuli_chr03	31531305	AA	GG	1940167718
SNP_P1_42808_31531332	NC_021162.1	Ca_kabuli_chr03	31531332	TT	CC	1940167720
SNP_P1_42810_31531382	NC_021162.1	Ca_kabuli_chr03	31531382	GG	AA	1940167722
SNP_P1_42811_31535240	NC_021162.1	Ca_kabuli_chr03	31535240	TT	GG	1940167724
SNP_P1_42812_31535592	NC_021162.1	Ca_kabuli_chr03	31535592	TT	AA	1940167727
SNP_P1_42813_31535793	NC_021162.1	Ca_kabuli_chr03	31535793	AA	GG	1940167729
SNP_P1_42814_31537289	NC_021162.1	Ca_kabuli_chr03	31537289	CC	TT	1940167731
SNP_P1_42815_31537454	NC_021162.1	Ca_kabuli_chr03	31537454	GG	AA	1940167733
SNP_P1_42816_31537838	NC_021162.1	Ca_kabuli_chr03	31537838	CC	GG	1940167735
SNP_P1_42817_31537871	NC_021162.1	Ca_kabuli_chr03	31537871	GG	AA	1940167737
SNP_P1_42818_31538607	NC_021162.1	Ca_kabuli_chr03	31538607	GG	AA	1940167739
SNP_P1_42819_31539106	NC_021162.1	Ca_kabuli_chr03	31539106	GG	TT	1940167742
SNP_P1_42820_31539117	NC_021162.1	Ca_kabuli_chr03	31539117	GG	AA	1940167744
SNP_P1_42821_31540467	NC_021162.1	Ca_kabuli_chr03	31540467	TT	AA	1940167746
SNP_P1_42824_31543787	NC_021162.1	Ca_kabuli_chr03	31543787	CC	TT	1940167748
SNP_P1_42825_31544194	NC_021162.1	Ca_kabuli_chr03	31544194	GG	AA	1940167750
SNP_P1_42826_31544206	NC_021162.1	Ca_kabuli_chr03	31544206	AA	CC	1940167753
SNP_P1_42827_31544631	NC_021162.1	Ca_kabuli_chr03	31544631	GG	CC	1940167755
SNP_P1_42828_31560700	NC_021162.1	Ca_kabuli_chr03	31560700	TT	AA	1940167757
SNP_P1_42829_31560701	NC_021162.1	Ca_kabuli_chr03	31560701	TT	CC	1940167759
SNP_P1_42831_31560710	NC_021162.1	Ca_kabuli_chr03	31560710	AA	GG	1940167761
SNP_P1_42833_31562850	NC_021162.1	Ca_kabuli_chr03	31562850	GG	AA	1940167763
SNP_P1_42834_31562854	NC_021162.1	Ca_kabuli_chr03	31562854	TT	GG	1940167766
SNP_P1_42835_31562985	NC_021162.1	Ca_kabuli_chr03	31562985	GG	AA	1940167768
SNP_P1_42837_31563174	NC_021162.1	Ca_kabuli_chr03	31563174	TT	CC	1940167770
SNP_P1_42838_31563191	NC_021162.1	Ca_kabuli_chr03	31563191	GG	CC	1940167772
SNP_P1_42839_31563195	NC_021162.1	Ca_kabuli_chr03	31563195	AA	TT	1940167774
SNP_P1_42840_31563199	NC_021162.1	Ca_kabuli_chr03	31563199	CC	TT	1940167776
SNP_P1_42841_31563214	NC_021162.1	Ca_kabuli_chr03	31563214	GG	AA	1940167778
SNP_P1_42842_31563272	NC_021162.1	Ca_kabuli_chr03	31563272	CC	TT	1940167781
SNP_P1_42843_31563282	NC_021162.1	Ca_kabuli_chr03	31563282	GG	AA	1940167783
SNP_P1_42844_31563316	NC_021162.1	Ca_kabuli_chr03	31563316	CC	TT	1940167785
SNP_P1_42845_31563323	NC_021162.1	Ca_kabuli_chr03	31563323	GG	AA	1940167787
SNP_P1_42846_31563327	NC_021162.1	Ca_kabuli_chr03	31563327	TT	CC	1940167789
SNP_P1_42847_31563553	NC_021162.1	Ca_kabuli_chr03	31563553	GG	AA	1940167791

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42850_31563584	NC_021162.1	Ca_kabuli_chr03	31563584	TT	CC	1940167798
SNP_P1_42852_31564003	NC_021162.1	Ca_kabuli_chr03	31564003	AA	GG	1940167800
SNP_P1_42853_31564016	NC_021162.1	Ca_kabuli_chr03	31564016	AA	GG	1940167802
SNP_P1_42855_31564465	NC_021162.1	Ca_kabuli_chr03	31564465	AA	CC	1940167805
SNP_P1_42856_31564852	NC_021162.1	Ca_kabuli_chr03	31564852	AA	GG	1940167807
SNP_P1_42857_31565079	NC_021162.1	Ca_kabuli_chr03	31565079	GG	TT	1940167809
SNP_P1_42858_31565174	NC_021162.1	Ca_kabuli_chr03	31565174	TT	CC	1940167811
SNP_P1_42859_31565210	NC_021162.1	Ca_kabuli_chr03	31565210	AA	TT	1940167813
SNP_P1_42860_31565398	NC_021162.1	Ca_kabuli_chr03	31565398	TT	GG	1940167815
SNP_P1_42861_31565399	NC_021162.1	Ca_kabuli_chr03	31565399	GG	AA	1940167818
SNP_P1_42862_31565411	NC_021162.1	Ca_kabuli_chr03	31565411	TT	GG	1940167820
SNP_P1_42864_31565543	NC_021162.1	Ca_kabuli_chr03	31565543	AA	GG	1940167822
SNP_P1_42865_31565657	NC_021162.1	Ca_kabuli_chr03	31565657	CC	TT	1940167824
SNP_P1_42866_31565674	NC_021162.1	Ca_kabuli_chr03	31565674	GG	CC	1940167826
SNP_P1_42867_31565676	NC_021162.1	Ca_kabuli_chr03	31565676	AA	GG	1940167829
SNP_P1_42869_31565696	NC_021162.1	Ca_kabuli_chr03	31565696	CC	AA	1940167831
SNP_P1_42870_31565774	NC_021162.1	Ca_kabuli_chr03	31565774	TT	GG	1940167832
SNP_P1_42871_31565990	NC_021162.1	Ca_kabuli_chr03	31565990	TT	CC	1940167835
SNP_P1_42872_31566048	NC_021162.1	Ca_kabuli_chr03	31566048	TT	AA	1940167837
SNP_P1_42873_31566094	NC_021162.1	Ca_kabuli_chr03	31566094	GG	AA	1940167839
SNP_P1_42875_31566150	NC_021162.1	Ca_kabuli_chr03	31566150	AA	GG	1940167841
SNP_P1_42876_31566160	NC_021162.1	Ca_kabuli_chr03	31566160	AA	TT	1940167843
SNP_P1_42877_31566451	NC_021162.1	Ca_kabuli_chr03	31566451	TT	CC	1940167846
SNP_P1_42879_31566857	NC_021162.1	Ca_kabuli_chr03	31566857	CC	TT	1940167848
SNP_P1_42880_31567008	NC_021162.1	Ca_kabuli_chr03	31567008	TT	CC	1940167850
SNP_P1_42881_31567053	NC_021162.1	Ca_kabuli_chr03	31567053	AA	GG	1940167852
SNP_P1_42882_31567070	NC_021162.1	Ca_kabuli_chr03	31567070	TT	CC	1940167854
SNP_P1_42883_31567287	NC_021162.1	Ca_kabuli_chr03	31567287	CC	TT	1940167856
SNP_P1_42885_31567825	NC_021162.1	Ca_kabuli_chr03	31567825	CC	AA	1940167859
SNP_P1_42886_31567946	NC_021162.1	Ca_kabuli_chr03	31567946	CC	TT	1940167861
SNP_P1_42887_31567956	NC_021162.1	Ca_kabuli_chr03	31567956	GG	AA	1940167863
SNP_P1_42888_31568055	NC_021162.1	Ca_kabuli_chr03	31568055	CC	AA	1940167865
SNP_P1_42889_31568061	NC_021162.1	Ca_kabuli_chr03	31568061	CC	AA	1940167867
SNP_P1_42890_31568364	NC_021162.1	Ca_kabuli_chr03	31568364	AA	GG	1940167869
SNP_P1_42891_31569075	NC_021162.1	Ca_kabuli_chr03	31569075	GG	AA	1940167871
SNP_P1_42892_31569942	NC_021162.1	Ca_kabuli_chr03	31569942	TT	GG	1940167873
SNP_P1_42893_31570642	NC_021162.1	Ca_kabuli_chr03	31570642	GG	CC	1940167876
SNP_P1_42894_31570643	NC_021162.1	Ca_kabuli_chr03	31570643	GG	AA	1940167878
SNP_P1_42895_31570892	NC_021162.1	Ca_kabuli_chr03	31570892	TT	CC	1940167880
SNP_P1_42896_31572256	NC_021162.1	Ca_kabuli_chr03	31572256	AA	GG	1940167882

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42898_31572621	NC_021162.1	Ca_kabuli_chr03	31572621	GG	AA	1940167887
SNP_P1_42899_31572651	NC_021162.1	Ca_kabuli_chr03	31572651	GG	AA	1940167889
SNP_P1_42900_31572751	NC_021162.1	Ca_kabuli_chr03	31572751	CC	AA	1940167891
SNP_P1_42901_31572911	NC_021162.1	Ca_kabuli_chr03	31572911	TT	CC	1940167893
SNP_P1_42902_31574658	NC_021162.1	Ca_kabuli_chr03	31574658	AA	TT	1940167895
SNP_P1_42904_31575128	NC_021162.1	Ca_kabuli_chr03	31575128	CC	AA	1940167897
SNP_P1_42905_31575204	NC_021162.1	Ca_kabuli_chr03	31575204	CC	TT	1940167900
SNP_P1_42906_31575221	NC_021162.1	Ca_kabuli_chr03	31575221	TT	CC	1940167902
SNP_P1_42908_31575603	NC_021162.1	Ca_kabuli_chr03	31575603	CC	TT	1940167904
SNP_P1_42910_31578139	NC_021162.1	Ca_kabuli_chr03	31578139	CC	TT	1940167906
SNP_P1_42911_31578146	NC_021162.1	Ca_kabuli_chr03	31578146	CC	AA	1940167908
SNP_P1_42912_31578205	NC_021162.1	Ca_kabuli_chr03	31578205	GG	AA	1940167910
SNP_P1_42913_31578217	NC_021162.1	Ca_kabuli_chr03	31578217	AA	CC	1940167913
SNP_P1_42915_31578521	NC_021162.1	Ca_kabuli_chr03	31578521	TT	GG	1940167915
SNP_P1_42916_31578677	NC_021162.1	Ca_kabuli_chr03	31578677	CC	AA	1940167917
SNP_P1_42917_31578689	NC_021162.1	Ca_kabuli_chr03	31578689	AA	CC	1940167919
SNP_P1_42918_31578708	NC_021162.1	Ca_kabuli_chr03	31578708	TT	AA	1940167921
SNP_P1_42921_31584193	NC_021162.1	Ca_kabuli_chr03	31584193	GG	AA	1940167924
SNP_P1_42922_31585926	NC_021162.1	Ca_kabuli_chr03	31585926	AA	TT	1940167926
SNP_P1_42923_31585948	NC_021162.1	Ca_kabuli_chr03	31585948	AA	GG	1940167928
SNP_P1_42924_31585951	NC_021162.1	Ca_kabuli_chr03	31585951	CC	GG	1940167930
SNP_P1_42925_31585993	NC_021162.1	Ca_kabuli_chr03	31585993	GG	AA	1940167932
SNP_P1_42926_31587826	NC_021162.1	Ca_kabuli_chr03	31587826	CC	GG	1940167934
SNP_P1_42927_31589823	NC_021162.1	Ca_kabuli_chr03	31589823	AA	CC	1940167936
SNP_P1_42928_31590032	NC_021162.1	Ca_kabuli_chr03	31590032	TT	GG	1940167939
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SNP_P1_42930_31590720	NC_021162.1	Ca_kabuli_chr03	31590720	TT	CC	1940167943
SNP_P1_42931_31591180	NC_021162.1	Ca_kabuli_chr03	31591180	TT	CC	1940167945
SNP_P1_42932_31591369	NC_021162.1	Ca_kabuli_chr03	31591369	CC	GG	1940167947
SNP_P1_42933_31591558	NC_021162.1	Ca_kabuli_chr03	31591558	AA	CC	1940167950
SNP_P1_42934_31592839	NC_021162.1	Ca_kabuli_chr03	31592839	TT	AA	1940167952
SNP_P1_42935_31592910	NC_021162.1	Ca_kabuli_chr03	31592910	CC	AA	1940167954
SNP_P1_42936_31594188	NC_021162.1	Ca_kabuli_chr03	31594188	GG	TT	1940167956
SNP_P1_42937_31594278	NC_021162.1	Ca_kabuli_chr03	31594278	TT	CC	1940167958
SNP_P1_42938_31594709	NC_021162.1	Ca_kabuli_chr03	31594709	TT	AA	1940167960
SNP_P1_42939_31594711	NC_021162.1	Ca_kabuli_chr03	31594711	TT	GG	1940167962
SNP_P1_42941_31594863	NC_021162.1	Ca_kabuli_chr03	31594863	GG	AA	1940167965
SNP_P1_42942_31594902	NC_021162.1	Ca_kabuli_chr03	31594902	CC	TT	1940167967
SNP_P1_42943_31595067	NC_021162.1	Ca_kabuli_chr03	31595067	AA	CC	1940167969
SNP_P1_42944_31595071	NC_021162.1	Ca_kabuli_chr03	31595071	TT	GG	1940167971
SNP_P1_42945_31595093	NC_021162.1	Ca_kabuli_chr03	31595093	TT	AA	1940167973

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42947_31595104	NC_021162.1	Ca_kabuli_chr03	31595104	AA	GG	1940167978
SNP_P1_42948_31595117	NC_021162.1	Ca_kabuli_chr03	31595117	CC	TT	1940167980
SNP_P1_42949_31595157	NC_021162.1	Ca_kabuli_chr03	31595157	AA	GG	1940167982
SNP_P1_42951_31601825	NC_021162.1	Ca_kabuli_chr03	31601825	AA	GG	1940167984
SNP_P1_42953_31601854	NC_021162.1	Ca_kabuli_chr03	31601854	CC	TT	1940167986
SNP_P1_42954_31601861	NC_021162.1	Ca_kabuli_chr03	31601861	GG	AA	1940167989
SNP_P1_42955_31602167	NC_021162.1	Ca_kabuli_chr03	31602167	CC	TT	1940167991
SNP_P1_42956_31602194	NC_021162.1	Ca_kabuli_chr03	31602194	TT	CC	1940167993
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SNP_P1_42960_31602453	NC_021162.1	Ca_kabuli_chr03	31602453	AA	CC	1940167997
SNP_P1_42961_31602644	NC_021162.1	Ca_kabuli_chr03	31602644	GG	AA	1940167999
SNP_P1_42962_31602668	NC_021162.1	Ca_kabuli_chr03	31602668	CC	TT	1940168002
SNP_P1_42963_31602713	NC_021162.1	Ca_kabuli_chr03	31602713	AA	GG	1940168004
SNP_P1_42964_31602732	NC_021162.1	Ca_kabuli_chr03	31602732	AA	GG	1940168006
SNP_P1_42965_31602736	NC_021162.1	Ca_kabuli_chr03	31602736	GG	AA	1940168008
SNP_P1_42966_31602903	NC_021162.1	Ca_kabuli_chr03	31602903	TT	GG	1940168010
SNP_P1_42968_31602945	NC_021162.1	Ca_kabuli_chr03	31602945	AA	CC	1940168012
SNP_P1_42969_31604297	NC_021162.1	Ca_kabuli_chr03	31604297	GG	AA	1940168015
SNP_P1_42970_31604628	NC_021162.1	Ca_kabuli_chr03	31604628	CC	TT	1940168017
SNP_P1_42971_31607150	NC_021162.1	Ca_kabuli_chr03	31607150	GG	CC	1940168019
SNP_P1_42973_31607988	NC_021162.1	Ca_kabuli_chr03	31607988	TT	CC	1940168021
SNP_P1_42974_31607994	NC_021162.1	Ca_kabuli_chr03	31607994	GG	CC	1940168023
SNP_P1_42975_31607995	NC_021162.1	Ca_kabuli_chr03	31607995	GG	TT	1940168025
SNP_P1_42976_31608010	NC_021162.1	Ca_kabuli_chr03	31608010	CC	GG	1940168028
SNP_P1_42977_31608019	NC_021162.1	Ca_kabuli_chr03	31608019	GG	TT	1940168030
SNP_P1_42978_31609367	NC_021162.1	Ca_kabuli_chr03	31609367	AA	TT	1940168032
SNP_P1_42979_31609383	NC_021162.1	Ca_kabuli_chr03	31609383	AA	CC	1940168034
SNP_P1_42980_31609499	NC_021162.1	Ca_kabuli_chr03	31609499	CC	TT	1940168036
SNP_P1_42981_31609506	NC_021162.1	Ca_kabuli_chr03	31609506	GG	TT	1940168038
SNP_P1_42982_31609517	NC_021162.1	Ca_kabuli_chr03	31609517	AA	GG	1940168040
SNP_P1_42984_31609578	NC_021162.1	Ca_kabuli_chr03	31609578	CC	GG	1940168043
SNP_P1_42985_31610014	NC_021162.1	Ca_kabuli_chr03	31610014	AA	GG	1940168045
SNP_P1_42987_31610107	NC_021162.1	Ca_kabuli_chr03	31610107	TT	GG	1940168047
SNP_P1_42988_31610113	NC_021162.1	Ca_kabuli_chr03	31610113	GG	AA	1940168049
SNP_P1_42989_31610710	NC_021162.1	Ca_kabuli_chr03	31610710	CC	TT	1940168051
SNP_P1_42990_31610828	NC_021162.1	Ca_kabuli_chr03	31610828	CC	TT	1940168053
SNP_P1_42991_31610852	NC_021162.1	Ca_kabuli_chr03	31610852	TT	CC	1940168056
SNP_P1_42992_31610908	NC_021162.1	Ca_kabuli_chr03	31610908	GG	AA	1940168058
SNP_P1_42993_31610914	NC_021162.1	Ca_kabuli_chr03	31610914	GG	TT	1940168060
SNP_P1_42994_31610916	NC_021162.1	Ca_kabuli_chr03	31610916	AA	TT	1940168062
SNP_P1_42996_31611162	NC_021162.1	Ca_kabuli_chr03	31611162	GG	TT	1940168064

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_42998_31612639	NC_021162.1	Ca_kabuli_chr03	31612639	TT	GG	1940168069
SNP_P1_42999_31612653	NC_021162.1	Ca_kabuli_chr03	31612653	CC	TT	1940168071
SNP_P1_43000_31613853	NC_021162.1	Ca_kabuli_chr03	31613853	CC	TT	1940168073
SNP_P1_43001_31614080	NC_021162.1	Ca_kabuli_chr03	31614080	CC	GG	1940168075
SNP_P1_43002_31614109	NC_021162.1	Ca_kabuli_chr03	31614109	TT	CC	1940168077
SNP_P1_43003_31614111	NC_021162.1	Ca_kabuli_chr03	31614111	CC	TT	1940168079
SNP_P1_43004_31614115	NC_021162.1	Ca_kabuli_chr03	31614115	GG	AA	1940168082
SNP_P1_43005_31614129	NC_021162.1	Ca_kabuli_chr03	31614129	GG	CC	1940168084
SNP_P1_43006_31614133	NC_021162.1	Ca_kabuli_chr03	31614133	CC	TT	1940168086
SNP_P1_43007_31614164	NC_021162.1	Ca_kabuli_chr03	31614164	CC	TT	1940168088
SNP_P1_43008_31614165	NC_021162.1	Ca_kabuli_chr03	31614165	TT	AA	1940168090
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SNP_P1_43010_31614199	NC_021162.1	Ca_kabuli_chr03	31614199	GG	TT	1940168095
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SNP_P1_43012_31614257	NC_021162.1	Ca_kabuli_chr03	31614257	GG	AA	1940168099
SNP_P1_43013_31614295	NC_021162.1	Ca_kabuli_chr03	31614295	AA	GG	1940168101
SNP_P1_43014_31614305	NC_021162.1	Ca_kabuli_chr03	31614305	AA	GG	1940168103
SNP_P1_43015_31614310	NC_021162.1	Ca_kabuli_chr03	31614310	CC	TT	1940168105
SNP_P1_43016_31614478	NC_021162.1	Ca_kabuli_chr03	31614478	CC	TT	1940168107
SNP_P1_43017_31614931	NC_021162.1	Ca_kabuli_chr03	31614931	CC	TT	1940168109
SNP_P1_43018_31614937	NC_021162.1	Ca_kabuli_chr03	31614937	AA	GG	1940168112
SNP_P1_43019_31614948	NC_021162.1	Ca_kabuli_chr03	31614948	TT	CC	1940168114
SNP_P1_43020_31614949	NC_021162.1	Ca_kabuli_chr03	31614949	CC	TT	1940168116
SNP_P1_43021_31614956	NC_021162.1	Ca_kabuli_chr03	31614956	CC	TT	1940168118
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SNP_P1_43023_31618407	NC_021162.1	Ca_kabuli_chr03	31618407	AA	CC	1940168122
SNP_P1_43024_31619923	NC_021162.1	Ca_kabuli_chr03	31619923	CC	TT	1940168125
SNP_P1_43025_31621128	NC_021162.1	Ca_kabuli_chr03	31621128	AA	GG	1940168127
SNP_P1_43026_31621796	NC_021162.1	Ca_kabuli_chr03	31621796	CC	AA	1940168129
SNP_P1_43027_31623468	NC_021162.1	Ca_kabuli_chr03	31623468	AA	GG	1940168131
SNP_P1_43028_31623810	NC_021162.1	Ca_kabuli_chr03	31623810	AA	GG	1940168134
SNP_P1_43029_31624134	NC_021162.1	Ca_kabuli_chr03	31624134	TT	GG	1940168136
SNP_P1_43031_31625307	NC_021162.1	Ca_kabuli_chr03	31625307	TT	GG	1940168138
SNP_P1_43032_31627871	NC_021162.1	Ca_kabuli_chr03	31627871	TT	CC	1940168140
SNP_P1_43033_31627901	NC_021162.1	Ca_kabuli_chr03	31627901	AA	GG	1940168142
SNP_P1_43034_31628593	NC_021162.1	Ca_kabuli_chr03	31628593	CC	TT	1940168144
SNP_P1_43035_31629099	NC_021162.1	Ca_kabuli_chr03	31629099	GG	AA	1940168146
SNP_P1_43037_31629482	NC_021162.1	Ca_kabuli_chr03	31629482	AA	TT	1940168149
SNP_P1_43038_31629623	NC_021162.1	Ca_kabuli_chr03	31629623	GG	AA	1940168151
SNP_P1_43040_31632305	NC_021162.1	Ca_kabuli_chr03	31632305	TT	AA	1940168153
SNP_P1_43041_31632307	NC_021162.1	Ca_kabuli_chr03	31632307	AA	GG	1940168155

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43044_31632311	NC_021162.1	Ca_kabuli_chr03	31632311	TT	AA	1940168162
SNP_P1_43045_31632313	NC_021162.1	Ca_kabuli_chr03	31632313	AA	TT	1940168164
SNP_P1_43047_31633237	NC_021162.1	Ca_kabuli_chr03	31633237	TT	AA	1940168166
SNP_P1_43048_31633281	NC_021162.1	Ca_kabuli_chr03	31633281	AA	TT	1940168168
SNP_P1_43050_31633862	NC_021162.1	Ca_kabuli_chr03	31633862	GG	TT	1940168170
SNP_P1_43051_31633990	NC_021162.1	Ca_kabuli_chr03	31633990	AA	CC	1940168173
SNP_P1_43052_31634027	NC_021162.1	Ca_kabuli_chr03	31634027	CC	TT	1940168175
SNP_P1_43053_31634511	NC_021162.1	Ca_kabuli_chr03	31634511	TT	AA	1940168177
SNP_P1_43054_31635108	NC_021162.1	Ca_kabuli_chr03	31635108	TT	AA	1940168179
SNP_P1_43055_31635416	NC_021162.1	Ca_kabuli_chr03	31635416	TT	CC	1940168181
SNP_P1_43056_31635773	NC_021162.1	Ca_kabuli_chr03	31635773	CC	GG	1940168184
SNP_P1_43057_31637621	NC_021162.1	Ca_kabuli_chr03	31637621	GG	TT	1940168186
SNP_P1_43059_31637681	NC_021162.1	Ca_kabuli_chr03	31637681	TT	CC	1940168188
SNP_P1_43060_31637704	NC_021162.1	Ca_kabuli_chr03	31637704	TT	GG	1940168190
SNP_P1_43061_31638069	NC_021162.1	Ca_kabuli_chr03	31638069	TT	AA	1940168192
SNP_P1_43062_31638551	NC_021162.1	Ca_kabuli_chr03	31638551	TT	GG	1940168194
SNP_P1_43063_31638836	NC_021162.1	Ca_kabuli_chr03	31638836	AA	GG	1940168197
SNP_P1_43064_31641757	NC_021162.1	Ca_kabuli_chr03	31641757	GG	AA	1940168199
SNP_P1_43065_31642575	NC_021162.1	Ca_kabuli_chr03	31642575	GG	AA	1940168201
SNP_P1_43066_31643499	NC_021162.1	Ca_kabuli_chr03	31643499	CC	TT	1940168203
SNP_P1_43067_31646439	NC_021162.1	Ca_kabuli_chr03	31646439	GG	AA	1940168205
SNP_P1_43068_31646454	NC_021162.1	Ca_kabuli_chr03	31646454	AA	GG	1940168208
SNP_P1_43069_31651602	NC_021162.1	Ca_kabuli_chr03	31651602	CC	TT	1940168210
SNP_P1_43070_31656226	NC_021162.1	Ca_kabuli_chr03	31656226	CC	TT	1940168212
SNP_P1_43071_31682362	NC_021162.1	Ca_kabuli_chr03	31682362	GG	AA	1940168214
SNP_P1_43072_31682364	NC_021162.1	Ca_kabuli_chr03	31682364	TT	AA	1940168216
SNP_P1_43075_31725410	NC_021162.1	Ca_kabuli_chr03	31725410	AA	GG	1940168218
SNP_P1_43076_31734408	NC_021162.1	Ca_kabuli_chr03	31734408	CC	TT	1940168221
SNP_P1_43077_31741473	NC_021162.1	Ca_kabuli_chr03	31741473	AA	CC	1940168223
SNP_P1_43078_31741477	NC_021162.1	Ca_kabuli_chr03	31741477	AA	CC	1940168225
SNP_P1_43082_31800872	NC_021162.1	Ca_kabuli_chr03	31800872	CC	TT	1940168227
SNP_P1_43084_31825226	NC_021162.1	Ca_kabuli_chr03	31825226	TT	CC	1940168229
SNP_P1_43089_31939782	NC_021162.1	Ca_kabuli_chr03	31939782	AA	CC	1940168231
SNP_P1_43090_31940126	NC_021162.1	Ca_kabuli_chr03	31940126	TT	GG	1940168234
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SNP_P1_43092_31940172	NC_021162.1	Ca_kabuli_chr03	31940172	GG	TT	1940168238
SNP_P1_43093_31940335	NC_021162.1	Ca_kabuli_chr03	31940335	AA	GG	1940168240
SNP_P1_43094_31940438	NC_021162.1	Ca_kabuli_chr03	31940438	CC	GG	1940168242
SNP_P1_43095_31940508	NC_021162.1	Ca_kabuli_chr03	31940508	CC	TT	1940168244
SNP_P1_43096_31940682	NC_021162.1	Ca_kabuli_chr03	31940682	GG	AA	1940168247

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43099_31941027	NC_021162.1	Ca_kabuli_chr03	31941027	AA	CC	1940168253
SNP_P1_43100_31941036	NC_021162.1	Ca_kabuli_chr03	31941036	AA	GG	1940168255
SNP_P1_43101_31956695	NC_021162.1	Ca_kabuli_chr03	31956695	TT	GG	1940168257
SNP_P1_43102_31960732	NC_021162.1	Ca_kabuli_chr03	31960732	AA	GG	1940168260
SNP_P1_43104_31987983	NC_021162.1	Ca_kabuli_chr03	31987983	CC	TT	1940168262
SNP_P1_43105_31988330	NC_021162.1	Ca_kabuli_chr03	31988330	GG	AA	1940168264
SNP_P1_43106_32334831	NC_021162.1	Ca_kabuli_chr03	32334831	AA	GG	1940168266
SNP_P1_43107_32334844	NC_021162.1	Ca_kabuli_chr03	32334844	TT	GG	1940168268
SNP_P1_43108_32334858	NC_021162.1	Ca_kabuli_chr03	32334858	CC	TT	1940168270
SNP_P1_43109_32334899	NC_021162.1	Ca_kabuli_chr03	32334899	TT	CC	1940168272
SNP_P1_43110_32334940	NC_021162.1	Ca_kabuli_chr03	32334940	AA	CC	1940168275
SNP_P1_43111_32334949	NC_021162.1	Ca_kabuli_chr03	32334949	TT	CC	1940168277
SNP_P1_43112_32336071	NC_021162.1	Ca_kabuli_chr03	32336071	GG	AA	1940168279
SNP_P1_43113_32336077	NC_021162.1	Ca_kabuli_chr03	32336077	TT	CC	1940168281
SNP_P1_43114_32336086	NC_021162.1	Ca_kabuli_chr03	32336086	CC	TT	1940168283
SNP_P1_43115_32336131	NC_021162.1	Ca_kabuli_chr03	32336131	GG	AA	1940168285
SNP_P1_43116_32336301	NC_021162.1	Ca_kabuli_chr03	32336301	AA	CC	1940168287
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SNP_P1_43119_32349539	NC_021162.1	Ca_kabuli_chr03	32349539	CC	GG	1940168294
SNP_P1_43120_32371397	NC_021162.1	Ca_kabuli_chr03	32371397	CC	TT	1940168296
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SNP_P1_43127_32413106	NC_021162.1	Ca_kabuli_chr03	32413106	CC	TT	1940168307
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SNP_P1_43130_32414411	NC_021162.1	Ca_kabuli_chr03	32414411	CC	TT	1940168313
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SNP_P1_43132_32414834	NC_021162.1	Ca_kabuli_chr03	32414834	TT	CC	1940168318
SNP_P1_43133_32414897	NC_021162.1	Ca_kabuli_chr03	32414897	AA	GG	1940168320
SNP_P1_43134_32414898	NC_021162.1	Ca_kabuli_chr03	32414898	GG	AA	1940168322
SNP_P1_43135_32431046	NC_021162.1	Ca_kabuli_chr03	32431046	CC	AA	1940168324
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SNP_P1_43137_32431052	NC_021162.1	Ca_kabuli_chr03	32431052	GG	AA	1940168329
SNP_P1_43138_32431054	NC_021162.1	Ca_kabuli_chr03	32431054	AA	TT	1940168331
SNP_P1_43139_32431058	NC_021162.1	Ca_kabuli_chr03	32431058	CC	TT	1940168333
SNP_P1_43140_32457747	NC_021162.1	Ca_kabuli_chr03	32457747	GG	AA	1940168335
SNP_P1_43141_32457924	NC_021162.1	Ca_kabuli_chr03	32457924	CC	AA	1940168337

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43144_32458230	NC_021162.1	Ca_kabuli_chr03	32458230	CC	TT	1940168344
SNP_P1_43145_32458251	NC_021162.1	Ca_kabuli_chr03	32458251	TT	AA	1940168346
SNP_P1_43146_32478465	NC_021162.1	Ca_kabuli_chr03	32478465	AA	CC	1940168348
SNP_P1_43147_32481809	NC_021162.1	Ca_kabuli_chr03	32481809	GG	AA	1940168350
SNP_P1_43148_32482929	NC_021162.1	Ca_kabuli_chr03	32482929	TT	CC	1940168353
SNP_P1_43149_32485805	NC_021162.1	Ca_kabuli_chr03	32485805	TT	CC	1940168355
SNP_P1_43151_32491250	NC_021162.1	Ca_kabuli_chr03	32491250	CC	TT	1940168357
SNP_P1_43152_32498221	NC_021162.1	Ca_kabuli_chr03	32498221	TT	CC	1940168359
SNP_P1_43155_32514916	NC_021162.1	Ca_kabuli_chr03	32514916	GG	CC	1940168361
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SNP_P1_43158_32550294	NC_021162.1	Ca_kabuli_chr03	32550294	AA	GG	1940168368
SNP_P1_43161_32572896	NC_021162.1	Ca_kabuli_chr03	32572896	GG	AA	1940168370
SNP_P1_43162_32580698	NC_021162.1	Ca_kabuli_chr03	32580698	CC	TT	1940168372
SNP_P1_43163_32589733	NC_021162.1	Ca_kabuli_chr03	32589733	AA	TT	1940168374
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SNP_P1_43165_32590005	NC_021162.1	Ca_kabuli_chr03	32590005	GG	AA	1940168379
SNP_P1_43166_32590021	NC_021162.1	Ca_kabuli_chr03	32590021	TT	CC	1940168381
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SNP_P1_43168_32592925	NC_021162.1	Ca_kabuli_chr03	32592925	CC	TT	1940168385
SNP_P1_43170_32615823	NC_021162.1	Ca_kabuli_chr03	32615823	CC	TT	1940168388
SNP_P1_43172_32627171	NC_021162.1	Ca_kabuli_chr03	32627171	GG	AA	1940168390
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SNP_P1_43175_32649340	NC_021162.1	Ca_kabuli_chr03	32649340	TT	CC	1940168394
SNP_P1_43177_32685168	NC_021162.1	Ca_kabuli_chr03	32685168	GG	AA	1940168396
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SNP_P1_43179_32720754	NC_021162.1	Ca_kabuli_chr03	32720754	AA	GG	1940168401
SNP_P1_43180_32740125	NC_021162.1	Ca_kabuli_chr03	32740125	GG	AA	1940168403
SNP_P1_43181_32752150	NC_021162.1	Ca_kabuli_chr03	32752150	GG	AA	1940168405
SNP_P1_43183_32772104	NC_021162.1	Ca_kabuli_chr03	32772104	GG	AA	1940168407
SNP_P1_43185_32784592	NC_021162.1	Ca_kabuli_chr03	32784592	GG	AA	1940168409
SNP_P1_43186_32790149	NC_021162.1	Ca_kabuli_chr03	32790149	GG	TT	1940168411
SNP_P1_43187_32824050	NC_021162.1	Ca_kabuli_chr03	32824050	CC	TT	1940168413
SNP_P1_43188_32824378	NC_021162.1	Ca_kabuli_chr03	32824378	AA	GG	1940168416
SNP_P1_43189_32829883	NC_021162.1	Ca_kabuli_chr03	32829883	AA	TT	1940168418
SNP_P1_43190_32832264	NC_021162.1	Ca_kabuli_chr03	32832264	GG	AA	1940168420
SNP_P1_43191_32832955	NC_021162.1	Ca_kabuli_chr03	32832955	TT	AA	1940168422
SNP_P1_43192_32835392	NC_021162.1	Ca_kabuli_chr03	32835392	GG	CC	1940168424
SNP_P1_43194_32874828	NC_021162.1	Ca_kabuli_chr03	32874828	TT	CC	1940168426
SNP_P1_43195_32881921	NC_021162.1	Ca_kabuli_chr03	32881921	GG	AA	1940168428

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43197_32897607	NC_021162.1	Ca_kabuli_chr03	32897607	TT	GG	1940168433
SNP_P1_43198_32935571	NC_021162.1	Ca_kabuli_chr03	32935571	CC	TT	1940168435
SNP_P1_43200_32942276	NC_021162.1	Ca_kabuli_chr03	32942276	CC	AA	1940168437
SNP_P1_43201_32948677	NC_021162.1	Ca_kabuli_chr03	32948677	CC	AA	1940168439
SNP_P1_43203_32982680	NC_021162.1	Ca_kabuli_chr03	32982680	CC	TT	1940168441
SNP_P1_43204_32993002	NC_021162.1	Ca_kabuli_chr03	32993002	AA	TT	1940168444
SNP_P1_43205_32994370	NC_021162.1	Ca_kabuli_chr03	32994370	CC	AA	1940168446
SNP_P1_43206_32994373	NC_021162.1	Ca_kabuli_chr03	32994373	AA	TT	1940168448
SNP_P1_43207_32994374	NC_021162.1	Ca_kabuli_chr03	32994374	AA	TT	1940168450
SNP_P1_43208_33001355	NC_021162.1	Ca_kabuli_chr03	33001355	GG	AA	1940168452
SNP_P1_43209_33039585	NC_021162.1	Ca_kabuli_chr03	33039585	GG	AA	1940168455
SNP_P1_43210_33045601	NC_021162.1	Ca_kabuli_chr03	33045601	TT	CC	1940168457
SNP_P1_43211_33083363	NC_021162.1	Ca_kabuli_chr03	33083363	GG	AA	1940168459
SNP_P1_43212_33085567	NC_021162.1	Ca_kabuli_chr03	33085567	TT	CC	1940168461
SNP_P1_43213_33092482	NC_021162.1	Ca_kabuli_chr03	33092482	TT	GG	1940168463
SNP_P1_43214_33119115	NC_021162.1	Ca_kabuli_chr03	33119115	AA	GG	1940168465
SNP_P1_43215_33121835	NC_021162.1	Ca_kabuli_chr03	33121835	TT	GG	1940168468
SNP_P1_43217_33169725	NC_021162.1	Ca_kabuli_chr03	33169725	GG	AA	1940168470
SNP_P1_43218_33181094	NC_021162.1	Ca_kabuli_chr03	33181094	CC	TT	1940168472
SNP_P1_43219_33189075	NC_021162.1	Ca_kabuli_chr03	33189075	AA	TT	1940168474
SNP_P1_43220_33192900	NC_021162.1	Ca_kabuli_chr03	33192900	GG	AA	1940168476
SNP_P1_43221_33193735	NC_021162.1	Ca_kabuli_chr03	33193735	AA	TT	1940168478
SNP_P1_43224_33228442	NC_021162.1	Ca_kabuli_chr03	33228442	GG	AA	1940168481
SNP_P1_43226_33249747	NC_021162.1	Ca_kabuli_chr03	33249747	AA	GG	1940168483
SNP_P1_43227_33252803	NC_021162.1	Ca_kabuli_chr03	33252803	AA	TT	1940168485
SNP_P1_43229_33323445	NC_021162.1	Ca_kabuli_chr03	33323445	CC	GG	1940168487
SNP_P1_43230_33333343	NC_021162.1	Ca_kabuli_chr03	33333343	AA	CC	1940168489
SNP_P1_43231_33335631	NC_021162.1	Ca_kabuli_chr03	33335631	GG	AA	1940168491
SNP_P1_43232_33345395	NC_021162.1	Ca_kabuli_chr03	33345395	TT	CC	1940168494
SNP_P1_43233_33345400	NC_021162.1	Ca_kabuli_chr03	33345400	GG	AA	1940168496
SNP_P1_43234_33345611	NC_021162.1	Ca_kabuli_chr03	33345611	AA	CC	1940168498
SNP_P1_43236_33358443	NC_021162.1	Ca_kabuli_chr03	33358443	AA	GG	1940168500
SNP_P1_43237_33381138	NC_021162.1	Ca_kabuli_chr03	33381138	AA	GG	1940168502
SNP_P1_43238_33384020	NC_021162.1	Ca_kabuli_chr03	33384020	TT	AA	1940168504
SNP_P1_43240_33393522	NC_021162.1	Ca_kabuli_chr03	33393522	GG	TT	1940168506
SNP_P1_43243_33419582	NC_021162.1	Ca_kabuli_chr03	33419582	CC	TT	1940168509
SNP_P1_43244_33421044	NC_021162.1	Ca_kabuli_chr03	33421044	CC	TT	1940168511
SNP_P1_43246_33435087	NC_021162.1	Ca_kabuli_chr03	33435087	GG	CC	1940168513
SNP_P1_43247_33435834	NC_021162.1	Ca_kabuli_chr03	33435834	TT	CC	1940168515
SNP_P1_43248_33456123	NC_021162.1	Ca_kabuli_chr03	33456123	CC	TT	1940168517
SNP_P1_43249_33460398	NC_021162.1	Ca_kabuli_chr03	33460398	TT	CC	1940168519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43251_33460559	NC_021162.1	Ca_kabuli_chr03	33460559	AA	CC	1940168523
SNP_P1_43252_33460594	NC_021162.1	Ca_kabuli_chr03	33460594	AA	CC	1940168526
SNP_P1_43253_33460634	NC_021162.1	Ca_kabuli_chr03	33460634	AA	GG	1940168528
SNP_P1_43254_33460646	NC_021162.1	Ca_kabuli_chr03	33460646	TT	GG	1940168530
SNP_P1_43255_33466687	NC_021162.1	Ca_kabuli_chr03	33466687	CC	AA	1940168532
SNP_P1_43256_33492518	NC_021162.1	Ca_kabuli_chr03	33492518	CC	TT	1940168534
SNP_P1_43257_33494926	NC_021162.1	Ca_kabuli_chr03	33494926	TT	CC	1940168536
SNP_P1_43259_33531508	NC_021162.1	Ca_kabuli_chr03	33531508	CC	TT	1940168539
SNP_P1_43262_33540265	NC_021162.1	Ca_kabuli_chr03	33540265	AA	GG	1940168541
SNP_P1_43264_33563742	NC_021162.1	Ca_kabuli_chr03	33563742	CC	GG	1940168543
SNP_P1_43265_33568225	NC_021162.1	Ca_kabuli_chr03	33568225	TT	CC	1940168545
SNP_P1_43266_33568229	NC_021162.1	Ca_kabuli_chr03	33568229	TT	CC	1940168547
SNP_P1_43267_33568279	NC_021162.1	Ca_kabuli_chr03	33568279	TT	CC	1940168550
SNP_P1_43269_33588413	NC_021162.1	Ca_kabuli_chr03	33588413	CC	TT	1940168552
SNP_P1_43270_33589328	NC_021162.1	Ca_kabuli_chr03	33589328	CC	TT	1940168554
SNP_P1_43272_33590921	NC_021162.1	Ca_kabuli_chr03	33590921	CC	TT	1940168556
SNP_P1_43273_33598701	NC_021162.1	Ca_kabuli_chr03	33598701	CC	AA	1940168558
SNP_P1_43274_33599246	NC_021162.1	Ca_kabuli_chr03	33599246	CC	TT	1940168561
SNP_P1_43275_33604358	NC_021162.1	Ca_kabuli_chr03	33604358	GG	AA	1940168563
SNP_P1_43276_33616898	NC_021162.1	Ca_kabuli_chr03	33616898	AA	GG	1940168565
SNP_P1_43277_33616905	NC_021162.1	Ca_kabuli_chr03	33616905	GG	AA	1940168567
SNP_P1_43278_33624738	NC_021162.1	Ca_kabuli_chr03	33624738	CC	TT	1940168569
SNP_P1_43279_33624911	NC_021162.1	Ca_kabuli_chr03	33624911	GG	AA	1940168571
SNP_P1_43280_33626018	NC_021162.1	Ca_kabuli_chr03	33626018	TT	AA	1940168574
SNP_P1_43281_33629825	NC_021162.1	Ca_kabuli_chr03	33629825	GG	TT	1940168576
SNP_P1_43282_33629844	NC_021162.1	Ca_kabuli_chr03	33629844	TT	CC	1940168578
SNP_P1_43283_33629856	NC_021162.1	Ca_kabuli_chr03	33629856	CC	TT	1940168580
SNP_P1_43284_33629971	NC_021162.1	Ca_kabuli_chr03	33629971	GG	AA	1940168582
SNP_P1_43285_33630022	NC_021162.1	Ca_kabuli_chr03	33630022	GG	AA	1940168584
SNP_P1_43286_33630300	NC_021162.1	Ca_kabuli_chr03	33630300	GG	AA	1940168586
SNP_P1_43287_33630398	NC_021162.1	Ca_kabuli_chr03	33630398	AA	GG	1940168589
SNP_P1_43288_33630409	NC_021162.1	Ca_kabuli_chr03	33630409	CC	TT	1940168591
SNP_P1_43290_33639994	NC_021162.1	Ca_kabuli_chr03	33639994	GG	AA	1940168593
SNP_P1_43291_33641096	NC_021162.1	Ca_kabuli_chr03	33641096	TT	AA	1940168595
SNP_P1_43292_33641122	NC_021162.1	Ca_kabuli_chr03	33641122	GG	TT	1940168597
SNP_P1_43293_33645952	NC_021162.1	Ca_kabuli_chr03	33645952	AA	TT	1940168600
SNP_P1_43294_33647878	NC_021162.1	Ca_kabuli_chr03	33647878	AA	GG	1940168602
SNP_P1_43295_33652209	NC_021162.1	Ca_kabuli_chr03	33652209	TT	CC	1940168604
SNP_P1_43296_33662368	NC_021162.1	Ca_kabuli_chr03	33662368	CC	TT	1940168606
SNP_P1_43297_33662374	NC_021162.1	Ca_kabuli_chr03	33662374	TT	GG	1940168608
SNP_P1_43298_33683491	NC_021162.1	Ca_kabuli_chr03	33683491	AA	CC	1940168610

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43300_33693196	NC_021162.1	Ca_kabuli_chr03	33693196	TT	GG	1940168615
SNP_P1_43301_33712529	NC_021162.1	Ca_kabuli_chr03	33712529	CC	GG	1940168617
SNP_P1_43302_33723658	NC_021162.1	Ca_kabuli_chr03	33723658	AA	TT	1940168619
SNP_P1_43304_33740422	NC_021162.1	Ca_kabuli_chr03	33740422	TT	CC	1940168621
SNP_P1_43307_33755043	NC_021162.1	Ca_kabuli_chr03	33755043	GG	TT	1940168623
SNP_P1_43308_33765733	NC_021162.1	Ca_kabuli_chr03	33765733	TT	AA	1940168626
SNP_P1_43309_33777738	NC_021162.1	Ca_kabuli_chr03	33777738	CC	AA	1940168628
SNP_P1_43310_33778521	NC_021162.1	Ca_kabuli_chr03	33778521	TT	GG	1940168630
SNP_P1_43311_33778522	NC_021162.1	Ca_kabuli_chr03	33778522	GG	AA	1940168632
SNP_P1_43312_33779104	NC_021162.1	Ca_kabuli_chr03	33779104	TT	AA	1940168634
SNP_P1_43313_33789971	NC_021162.1	Ca_kabuli_chr03	33789971	AA	GG	1940168637
SNP_P1_43314_33791740	NC_021162.1	Ca_kabuli_chr03	33791740	AA	GG	1940168639
SNP_P1_43315_33791762	NC_021162.1	Ca_kabuli_chr03	33791762	AA	GG	1940168641
SNP_P1_43316_33791836	NC_021162.1	Ca_kabuli_chr03	33791836	CC	TT	1940168643
SNP_P1_43317_33791862	NC_021162.1	Ca_kabuli_chr03	33791862	AA	GG	1940168645
SNP_P1_43318_33791864	NC_021162.1	Ca_kabuli_chr03	33791864	GG	AA	1940168647
SNP_P1_43320_33792079	NC_021162.1	Ca_kabuli_chr03	33792079	AA	GG	1940168650
SNP_P1_43321_33792119	NC_021162.1	Ca_kabuli_chr03	33792119	TT	AA	1940168652
SNP_P1_43322_33792129	NC_021162.1	Ca_kabuli_chr03	33792129	AA	CC	1940168654
SNP_P1_43323_33792176	NC_021162.1	Ca_kabuli_chr03	33792176	AA	GG	1940168656
SNP_P1_43324_33792181	NC_021162.1	Ca_kabuli_chr03	33792181	GG	TT	1940168658
SNP_P1_43325_33794702	NC_021162.1	Ca_kabuli_chr03	33794702	AA	GG	1940168660
SNP_P1_43326_33794836	NC_021162.1	Ca_kabuli_chr03	33794836	AA	CC	1940168663
SNP_P1_43327_33794898	NC_021162.1	Ca_kabuli_chr03	33794898	AA	CC	1940168665
SNP_P1_43328_33794901	NC_021162.1	Ca_kabuli_chr03	33794901	TT	CC	1940168667
SNP_P1_43329_33795129	NC_021162.1	Ca_kabuli_chr03	33795129	AA	CC	1940168669
SNP_P1_43330_33795138	NC_021162.1	Ca_kabuli_chr03	33795138	GG	AA	1940168671
SNP_P1_43331_33795248	NC_021162.1	Ca_kabuli_chr03	33795248	AA	GG	1940168673
SNP_P1_43332_33809951	NC_021162.1	Ca_kabuli_chr03	33809951	GG	AA	1940168676
SNP_P1_43333_33813187	NC_021162.1	Ca_kabuli_chr03	33813187	CC	TT	1940168678
SNP_P1_43334_33813206	NC_021162.1	Ca_kabuli_chr03	33813206	AA	GG	1940168680
SNP_P1_43335_33813237	NC_021162.1	Ca_kabuli_chr03	33813237	AA	GG	1940168682
SNP_P1_43336_33813335	NC_021162.1	Ca_kabuli_chr03	33813335	AA	GG	1940168685
SNP_P1_43337_33813368	NC_021162.1	Ca_kabuli_chr03	33813368	GG	CC	1940168687
SNP_P1_43338_33820543	NC_021162.1	Ca_kabuli_chr03	33820543	GG	AA	1940168689
SNP_P1_43339_33826199	NC_021162.1	Ca_kabuli_chr03	33826199	TT	CC	1940168691
SNP_P1_43340_33827836	NC_021162.1	Ca_kabuli_chr03	33827836	CC	TT	1940168693
SNP_P1_43341_33827947	NC_021162.1	Ca_kabuli_chr03	33827947	AA	CC	1940168695
SNP_P1_43344_33848360	NC_021162.1	Ca_kabuli_chr03	33848360	GG	AA	1940168698
SNP_P1_43345_33848879	NC_021162.1	Ca_kabuli_chr03	33848879	CC	TT	1940168700
SNP_P1_43346_33859216	NC_021162.1	Ca_kabuli_chr03	33859216	AA	GG	1940168702

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43348_33859229	NC_021162.1	Ca_kabuli_chr03	33859229	TT	AA	1940168707
SNP_P1_43350_33878031	NC_021162.1	Ca_kabuli_chr03	33878031	CC	TT	1940168709
SNP_P1_43351_33879091	NC_021162.1	Ca_kabuli_chr03	33879091	AA	GG	1940168711
SNP_P1_43352_33879099	NC_021162.1	Ca_kabuli_chr03	33879099	AA	GG	1940168713
SNP_P1_43353_33883300	NC_021162.1	Ca_kabuli_chr03	33883300	TT	CC	1940168715
SNP_P1_43354_33883758	NC_021162.1	Ca_kabuli_chr03	33883758	AA	GG	1940168717
SNP_P1_43355_33884106	NC_021162.1	Ca_kabuli_chr03	33884106	GG	AA	1940168720
SNP_P1_43357_33891497	NC_021162.1	Ca_kabuli_chr03	33891497	GG	CC	1940168722
SNP_P1_43358_33909689	NC_021162.1	Ca_kabuli_chr03	33909689	GG	AA	1940168724
SNP_P1_43359_33914071	NC_021162.1	Ca_kabuli_chr03	33914071	TT	GG	1940168726
SNP_P1_43360_33933231	NC_021162.1	Ca_kabuli_chr03	33933231	GG	AA	1940168728
SNP_P1_43361_33938521	NC_021162.1	Ca_kabuli_chr03	33938521	AA	TT	1940168730
SNP_P1_43362_33950028	NC_021162.1	Ca_kabuli_chr03	33950028	CC	TT	1940168733
SNP_P1_43365_33956944	NC_021162.1	Ca_kabuli_chr03	33956944	CC	TT	1940168735
SNP_P1_43367_33990236	NC_021162.1	Ca_kabuli_chr03	33990236	AA	CC	1940168737
SNP_P1_43368_33990558	NC_021162.1	Ca_kabuli_chr03	33990558	CC	TT	1940168739
SNP_P1_43369_33996460	NC_021162.1	Ca_kabuli_chr03	33996460	TT	GG	1940168741
SNP_P1_43370_33996462	NC_021162.1	Ca_kabuli_chr03	33996462	TT	CC	1940168743
SNP_P1_43371_33998307	NC_021162.1	Ca_kabuli_chr03	33998307	AA	GG	1940168746
SNP_P1_43372_34013628	NC_021162.1	Ca_kabuli_chr03	34013628	TT	AA	1940168748
SNP_P1_43373_34021009	NC_021162.1	Ca_kabuli_chr03	34021009	CC	TT	1940168750
SNP_P1_43374_34022739	NC_021162.1	Ca_kabuli_chr03	34022739	CC	AA	1940168752
SNP_P1_43375_34023808	NC_021162.1	Ca_kabuli_chr03	34023808	CC	AA	1940168754
SNP_P1_43376_34032732	NC_021162.1	Ca_kabuli_chr03	34032732	CC	TT	1940168756
SNP_P1_43377_34032814	NC_021162.1	Ca_kabuli_chr03	34032814	CC	TT	1940168759
SNP_P1_43379_34032907	NC_021162.1	Ca_kabuli_chr03	34032907	GG	TT	1940168761
SNP_P1_43380_34032942	NC_021162.1	Ca_kabuli_chr03	34032942	GG	CC	1940168763
SNP_P1_43381_34033774	NC_021162.1	Ca_kabuli_chr03	34033774	AA	GG	1940168765
SNP_P1_43382_34065648	NC_021162.1	Ca_kabuli_chr03	34065648	CC	TT	1940168768
SNP_P1_43383_34065668	NC_021162.1	Ca_kabuli_chr03	34065668	AA	GG	1940168770
SNP_P1_43384_34065679	NC_021162.1	Ca_kabuli_chr03	34065679	AA	GG	1940168772
SNP_P1_43385_34065690	NC_021162.1	Ca_kabuli_chr03	34065690	TT	AA	1940168774
SNP_P1_43386_34065712	NC_021162.1	Ca_kabuli_chr03	34065712	TT	CC	1940168776
SNP_P1_43387_34069902	NC_021162.1	Ca_kabuli_chr03	34069902	GG	CC	1940168778
SNP_P1_43388_34070382	NC_021162.1	Ca_kabuli_chr03	34070382	TT	CC	1940168781
SNP_P1_43389_34087253	NC_021162.1	Ca_kabuli_chr03	34087253	TT	CC	1940168783
SNP_P1_43390_34087294	NC_021162.1	Ca_kabuli_chr03	34087294	GG	AA	1940168785
SNP_P1_43391_34089123	NC_021162.1	Ca_kabuli_chr03	34089123	GG	AA	1940168787
SNP_P1_43392_34089221	NC_021162.1	Ca_kabuli_chr03	34089221	GG	AA	1940168789
SNP_P1_43393_34089249	NC_021162.1	Ca_kabuli_chr03	34089249	TT	CC	1940168792
SNP_P1_43395_34089695	NC_021162.1	Ca_kabuli_chr03	34089695	AA	GG	1940168794

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_43396_34089708	NC_021162.1	Ca_kabuli_chr03	34089708	CC	TT	1940168796
SNP_P1_43397_34096924	NC_021162.1	Ca_kabuli_chr03	34096924	AA	GG	1940168798
SNP_P1_43398_34104498	NC_021162.1	Ca_kabuli_chr03	34104498	GG	TT	1940168800
SNP_P1_43399_34108565	NC_021162.1	Ca_kabuli_chr03	34108565	CC	TT	1940168802
SNP_P1_43400_34109568	NC_021162.1	Ca_kabuli_chr03	34109568	CC	AA	1940168805
SNP_P1_43401_34109570	NC_021162.1	Ca_kabuli_chr03	34109570	TT	AA	1940168807
SNP_P1_43402_34113162	NC_021162.1	Ca_kabuli_chr03	34113162	GG	TT	1940168809
SNP_P1_43403_34115264	NC_021162.1	Ca_kabuli_chr03	34115264	CC	TT	1940168811
SNP_P1_43404_34116964	NC_021162.1	Ca_kabuli_chr03	34116964	GG	TT	1940168813
SNP_P1_43405_34128505	NC_021162.1	Ca_kabuli_chr03	34128505	TT	CC	1940168816
SNP_P1_43407_34139699	NC_021162.1	Ca_kabuli_chr03	34139699	AA	CC	1940168818
SNP_P1_43408_34139713	NC_021162.1	Ca_kabuli_chr03	34139713	TT	CC	1940168820
SNP_P1_43409_34141983	NC_021162.1	Ca_kabuli_chr03	34141983	AA	TT	1940168822
SNP_P1_43410_34142380	NC_021162.1	Ca_kabuli_chr03	34142380	TT	AA	1940168824
SNP_P1_43411_34142796	NC_021162.1	Ca_kabuli_chr03	34142796	CC	TT	1940168826
SNP_P1_43412_34143012	NC_021162.1	Ca_kabuli_chr03	34143012	TT	CC	1940168829
SNP_P1_43413_34143022	NC_021162.1	Ca_kabuli_chr03	34143022	AA	TT	1940168831
SNP_P1_43414_34150256	NC_021162.1	Ca_kabuli_chr03	34150256	AA	CC	1940168833
SNP_P1_43415_34150278	NC_021162.1	Ca_kabuli_chr03	34150278	CC	AA	1940168835
SNP_P1_43416_34151392	NC_021162.1	Ca_kabuli_chr03	34151392	CC	AA	1940168837
SNP_P1_43417_34158173	NC_021162.1	Ca_kabuli_chr03	34158173	GG	AA	1940168839
SNP_P1_43419_34161182	NC_021162.1	Ca_kabuli_chr03	34161182	GG	CC	1940168841
SNP_P1_43420_34168115	NC_021162.1	Ca_kabuli_chr03	34168115	TT	CC	1940168843
SNP_P1_43421_34169411	NC_021162.1	Ca_kabuli_chr03	34169411	GG	AA	1940168846
SNP_P1_43422_34169430	NC_021162.1	Ca_kabuli_chr03	34169430	AA	GG	1940168848
SNP_P1_43423_34169956	NC_021162.1	Ca_kabuli_chr03	34169956	TT	CC	1940168850
SNP_P1_43424_34170585	NC_021162.1	Ca_kabuli_chr03	34170585	AA	TT	1940168852
SNP_P1_43425_34174774	NC_021162.1	Ca_kabuli_chr03	34174774	AA	GG	1940168854
SNP_P1_43426_34175104	NC_021162.1	Ca_kabuli_chr03	34175104	GG	TT	1940168857
SNP_P1_43427_34177919	NC_021162.1	Ca_kabuli_chr03	34177919	GG	AA	1940168859
SNP_P1_43428_34178614	NC_021162.1	Ca_kabuli_chr03	34178614	TT	CC	1940168861
SNP_P1_43430_34193885	NC_021162.1	Ca_kabuli_chr03	34193885	TT	AA	1940168863
SNP_P1_43431_34197971	NC_021162.1	Ca_kabuli_chr03	34197971	CC	TT	1940168865
SNP_P1_43432_34217927	NC_021162.1	Ca_kabuli_chr03	34217927	GG	AA	1940168867
SNP_P1_43435_34225550	NC_021162.1	Ca_kabuli_chr03	34225550	AA	GG	1940168870
SNP_P1_43436_34227127	NC_021162.1	Ca_kabuli_chr03	34227127	AA	CC	1940168872
SNP_P1_43437_34227293	NC_021162.1	Ca_kabuli_chr03	34227293	GG	TT	1940168874
SNP_P1_43438_34227429	NC_021162.1	Ca_kabuli_chr03	34227429	CC	AA	1940168876
SNP_P1_43439_34227477	NC_021162.1	Ca_kabuli_chr03	34227477	CC	TT	1940168879
SNP_P1_43440_34228943	NC_021162.1	Ca_kabuli_chr03	34228943	GG	AA	1940168881
SNP_P1_43441_34261314	NC_021162.1	Ca_kabuli_chr03	34261314	TT	CC	1940168883
SNP_P1_43442_34261318	NC_021162.1	Ca_kabuli_chr03	34261318	AA	CC	1940168885

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43444_34278823	NC_021162.1	Ca_kabuli_chr03	34278823	AA	GG	1940168889
SNP_P1_43445_34292181	NC_021162.1	Ca_kabuli_chr03	34292181	AA	GG	1940168892
SNP_P1_43447_34298750	NC_021162.1	Ca_kabuli_chr03	34298750	AA	TT	1940168894
SNP_P1_43448_34302947	NC_021162.1	Ca_kabuli_chr03	34302947	TT	AA	1940168896
SNP_P1_43449_34304115	NC_021162.1	Ca_kabuli_chr03	34304115	AA	GG	1940168898
SNP_P1_43450_34324397	NC_021162.1	Ca_kabuli_chr03	34324397	CC	TT	1940168901
SNP_P1_43451_34331922	NC_021162.1	Ca_kabuli_chr03	34331922	AA	GG	1940168903
SNP_P1_43452_34332892	NC_021162.1	Ca_kabuli_chr03	34332892	AA	GG	1940168905
SNP_P1_43453_34340892	NC_021162.1	Ca_kabuli_chr03	34340892	AA	CC	1940168907
SNP_P1_43454_34352788	NC_021162.1	Ca_kabuli_chr03	34352788	GG	CC	1940168909
SNP_P1_43455_34365026	NC_021162.1	Ca_kabuli_chr03	34365026	TT	AA	1940168911
SNP_P1_43456_34365163	NC_021162.1	Ca_kabuli_chr03	34365163	GG	AA	1940168914
SNP_P1_43457_34365203	NC_021162.1	Ca_kabuli_chr03	34365203	GG	TT	1940168916
SNP_P1_43459_34365265	NC_021162.1	Ca_kabuli_chr03	34365265	TT	GG	1940168918
SNP_P1_43460_34367367	NC_021162.1	Ca_kabuli_chr03	34367367	AA	TT	1940168920
SNP_P1_43461_34392783	NC_021162.1	Ca_kabuli_chr03	34392783	CC	TT	1940168922
SNP_P1_43462_34398091	NC_021162.1	Ca_kabuli_chr03	34398091	TT	GG	1940168924
SNP_P1_43463_34405736	NC_021162.1	Ca_kabuli_chr03	34405736	TT	CC	1940168927
SNP_P1_43464_34405737	NC_021162.1	Ca_kabuli_chr03	34405737	GG	AA	1940168929
SNP_P1_43466_34405803	NC_021162.1	Ca_kabuli_chr03	34405803	TT	CC	1940168931
SNP_P1_43470_34456717	NC_021162.1	Ca_kabuli_chr03	34456717	TT	CC	1940168933
SNP_P1_43471_34460855	NC_021162.1	Ca_kabuli_chr03	34460855	CC	TT	1940168935
SNP_P1_43472_34464047	NC_021162.1	Ca_kabuli_chr03	34464047	GG	AA	1940168938
SNP_P1_43473_34464327	NC_021162.1	Ca_kabuli_chr03	34464327	CC	TT	1940168940
SNP_P1_43475_34476874	NC_021162.1	Ca_kabuli_chr03	34476874	GG	AA	1940168942
SNP_P1_43476_34478435	NC_021162.1	Ca_kabuli_chr03	34478435	AA	GG	1940168944
SNP_P1_43477_34485525	NC_021162.1	Ca_kabuli_chr03	34485525	GG	AA	1940168946
SNP_P1_43478_34491162	NC_021162.1	Ca_kabuli_chr03	34491162	GG	AA	1940168949
SNP_P1_43479_34492518	NC_021162.1	Ca_kabuli_chr03	34492518	GG	AA	1940168951
SNP_P1_43480_34495996	NC_021162.1	Ca_kabuli_chr03	34495996	TT	AA	1940168953
SNP_P1_43481_34495999	NC_021162.1	Ca_kabuli_chr03	34495999	AA	CC	1940168955
SNP_P1_43483_34520883	NC_021162.1	Ca_kabuli_chr03	34520883	TT	CC	1940168957
SNP_P1_43484_34521277	NC_021162.1	Ca_kabuli_chr03	34521277	TT	AA	1940168959
SNP_P1_43486_34521538	NC_021162.1	Ca_kabuli_chr03	34521538	GG	AA	1940168962
SNP_P1_43487_34521539	NC_021162.1	Ca_kabuli_chr03	34521539	AA	GG	1940168964
SNP_P1_43488_34521884	NC_021162.1	Ca_kabuli_chr03	34521884	AA	CC	1940168966
SNP_P1_43489_34521911	NC_021162.1	Ca_kabuli_chr03	34521911	TT	GG	1940168968
SNP_P1_43490_34521934	NC_021162.1	Ca_kabuli_chr03	34521934	TT	CC	1940168970
SNP_P1_43491_34521966	NC_021162.1	Ca_kabuli_chr03	34521966	GG	AA	1940168972
SNP_P1_43492_34521977	NC_021162.1	Ca_kabuli_chr03	34521977	AA	GG	1940168975
SNP_P1_43493_34521982	NC_021162.1	Ca_kabuli_chr03	34521982	CC	TT	1940168977

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43495_34523789	NC_021162.1	Ca_kabuli_chr03	34523789	GG	AA	1940168981
SNP_P1_43496_34525218	NC_021162.1	Ca_kabuli_chr03	34525218	CC	TT	1940168983
SNP_P1_43497_34527456	NC_021162.1	Ca_kabuli_chr03	34527456	AA	TT	1940168986
SNP_P1_43498_34527469	NC_021162.1	Ca_kabuli_chr03	34527469	TT	CC	1940168988
SNP_P1_43499_34527474	NC_021162.1	Ca_kabuli_chr03	34527474	TT	CC	1940168990
SNP_P1_43500_34527575	NC_021162.1	Ca_kabuli_chr03	34527575	CC	GG	1940168992
SNP_P1_43501_34527875	NC_021162.1	Ca_kabuli_chr03	34527875	CC	GG	1940168994
SNP_P1_43502_34530475	NC_021162.1	Ca_kabuli_chr03	34530475	AA	TT	1940168996
SNP_P1_43503_34530948	NC_021162.1	Ca_kabuli_chr03	34530948	GG	AA	1940168999
SNP_P1_43504_34531305	NC_021162.1	Ca_kabuli_chr03	34531305	TT	CC	1940169001
SNP_P1_43505_34531309	NC_021162.1	Ca_kabuli_chr03	34531309	TT	CC	1940169003
SNP_P1_43506_34531329	NC_021162.1	Ca_kabuli_chr03	34531329	AA	GG	1940169005
SNP_P1_43507_34531557	NC_021162.1	Ca_kabuli_chr03	34531557	GG	AA	1940169007
SNP_P1_43508_34531583	NC_021162.1	Ca_kabuli_chr03	34531583	TT	CC	1940169009
SNP_P1_43509_34531598	NC_021162.1	Ca_kabuli_chr03	34531598	CC	TT	1940169012
SNP_P1_43510_34531807	NC_021162.1	Ca_kabuli_chr03	34531807	GG	TT	1940169014
SNP_P1_43511_34532050	NC_021162.1	Ca_kabuli_chr03	34532050	TT	CC	1940169016
SNP_P1_43512_34532449	NC_021162.1	Ca_kabuli_chr03	34532449	TT	CC	1940169018
SNP_P1_43513_34532749	NC_021162.1	Ca_kabuli_chr03	34532749	GG	TT	1940169020
SNP_P1_43514_34533752	NC_021162.1	Ca_kabuli_chr03	34533752	CC	GG	1940169023
SNP_P1_43515_34535964	NC_021162.1	Ca_kabuli_chr03	34535964	TT	AA	1940169025
SNP_P1_43516_34536060	NC_021162.1	Ca_kabuli_chr03	34536060	AA	TT	1940169027
SNP_P1_43517_34536404	NC_021162.1	Ca_kabuli_chr03	34536404	AA	CC	1940169029
SNP_P1_43518_34537072	NC_021162.1	Ca_kabuli_chr03	34537072	TT	AA	1940169031
SNP_P1_43519_34537441	NC_021162.1	Ca_kabuli_chr03	34537441	AA	GG	1940169034
SNP_P1_43520_34538170	NC_021162.1	Ca_kabuli_chr03	34538170	TT	CC	1940169036
SNP_P1_43521_34538175	NC_021162.1	Ca_kabuli_chr03	34538175	AA	TT	1940169038
SNP_P1_43522_34538676	NC_021162.1	Ca_kabuli_chr03	34538676	AA	GG	1940169040
SNP_P1_43523_34538864	NC_021162.1	Ca_kabuli_chr03	34538864	CC	TT	1940169042
SNP_P1_43524_34538865	NC_021162.1	Ca_kabuli_chr03	34538865	AA	CC	1940169045
SNP_P1_43525_34538891	NC_021162.1	Ca_kabuli_chr03	34538891	CC	TT	1940169047
SNP_P1_43526_34539164	NC_021162.1	Ca_kabuli_chr03	34539164	GG	CC	1940169049
SNP_P1_43527_34539901	NC_021162.1	Ca_kabuli_chr03	34539901	AA	GG	1940169051
SNP_P1_43528_34540061	NC_021162.1	Ca_kabuli_chr03	34540061	GG	AA	1940169053
SNP_P1_43529_34540092	NC_021162.1	Ca_kabuli_chr03	34540092	AA	CC	1940169055
SNP_P1_43530_34540126	NC_021162.1	Ca_kabuli_chr03	34540126	AA	GG	1940169058
SNP_P1_43531_34540214	NC_021162.1	Ca_kabuli_chr03	34540214	CC	TT	1940169060
SNP_P1_43532_34540293	NC_021162.1	Ca_kabuli_chr03	34540293	TT	CC	1940169062
SNP_P1_43533_34540471	NC_021162.1	Ca_kabuli_chr03	34540471	AA	CC	1940169064
SNP_P1_43534_34540505	NC_021162.1	Ca_kabuli_chr03	34540505	GG	TT	1940169066
SNP_P1_43535_34540565	NC_021162.1	Ca_kabuli_chr03	34540565	TT	GG	1940169068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43538_34540880	NC_021162.1	Ca_kabuli_chr03	34540880	CC	TT	1940169073
SNP_P1_43539_34540882	NC_021162.1	Ca_kabuli_chr03	34540882	GG	AA	1940169075
SNP_P1_43540_34540983	NC_021162.1	Ca_kabuli_chr03	34540983	AA	TT	1940169077
SNP_P1_43541_34541053	NC_021162.1	Ca_kabuli_chr03	34541053	GG	TT	1940169079
SNP_P1_43542_34541197	NC_021162.1	Ca_kabuli_chr03	34541197	AA	CC	1940169081
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SNP_P1_43544_34541645	NC_021162.1	Ca_kabuli_chr03	34541645	GG	TT	1940169086
SNP_P1_43545_34541715	NC_021162.1	Ca_kabuli_chr03	34541715	AA	GG	1940169088
SNP_P1_43546_34543309	NC_021162.1	Ca_kabuli_chr03	34543309	AA	GG	1940169090
SNP_P1_43547_34543321	NC_021162.1	Ca_kabuli_chr03	34543321	TT	GG	1940169092
SNP_P1_43548_34543336	NC_021162.1	Ca_kabuli_chr03	34543336	GG	AA	1940169094
SNP_P1_43549_34543352	NC_021162.1	Ca_kabuli_chr03	34543352	TT	CC	1940169097
SNP_P1_43550_34543649	NC_021162.1	Ca_kabuli_chr03	34543649	GG	TT	1940169099
SNP_P1_43551_34543650	NC_021162.1	Ca_kabuli_chr03	34543650	TT	AA	1940169101
SNP_P1_43552_34543987	NC_021162.1	Ca_kabuli_chr03	34543987	AA	GG	1940169103
SNP_P1_43553_34544086	NC_021162.1	Ca_kabuli_chr03	34544086	TT	AA	1940169105
SNP_P1_43554_34544229	NC_021162.1	Ca_kabuli_chr03	34544229	AA	GG	1940169107
SNP_P1_43555_34545801	NC_021162.1	Ca_kabuli_chr03	34545801	TT	CC	1940169110
SNP_P1_43556_34546007	NC_021162.1	Ca_kabuli_chr03	34546007	AA	TT	1940169112
SNP_P1_43557_34548886	NC_021162.1	Ca_kabuli_chr03	34548886	TT	CC	1940169114
SNP_P1_43558_34549532	NC_021162.1	Ca_kabuli_chr03	34549532	AA	GG	1940169116
SNP_P1_43559_34550679	NC_021162.1	Ca_kabuli_chr03	34550679	TT	GG	1940169118
SNP_P1_43560_34550686	NC_021162.1	Ca_kabuli_chr03	34550686	AA	GG	1940169120
SNP_P1_43561_34550945	NC_021162.1	Ca_kabuli_chr03	34550945	TT	AA	1940169123
SNP_P1_43562_34550971	NC_021162.1	Ca_kabuli_chr03	34550971	CC	TT	1940169125
SNP_P1_43563_34551027	NC_021162.1	Ca_kabuli_chr03	34551027	GG	AA	1940169127
SNP_P1_43564_34551054	NC_021162.1	Ca_kabuli_chr03	34551054	AA	TT	1940169129
SNP_P1_43565_34551580	NC_021162.1	Ca_kabuli_chr03	34551580	AA	CC	1940169131
SNP_P1_43566_34551605	NC_021162.1	Ca_kabuli_chr03	34551605	TT	CC	1940169133
SNP_P1_43567_34551656	NC_021162.1	Ca_kabuli_chr03	34551656	AA	TT	1940169136
SNP_P1_43568_34552008	NC_021162.1	Ca_kabuli_chr03	34552008	AA	GG	1940169138
SNP_P1_43569_34552502	NC_021162.1	Ca_kabuli_chr03	34552502	GG	AA	1940169140
SNP_P1_43570_34552586	NC_021162.1	Ca_kabuli_chr03	34552586	CC	GG	1940169142
SNP_P1_43571_34553361	NC_021162.1	Ca_kabuli_chr03	34553361	CC	TT	1940169144
SNP_P1_43572_34555885	NC_021162.1	Ca_kabuli_chr03	34555885	CC	TT	1940169146
SNP_P1_43573_34555927	NC_021162.1	Ca_kabuli_chr03	34555927	CC	TT	1940169149
SNP_P1_43574_34555983	NC_021162.1	Ca_kabuli_chr03	34555983	AA	GG	1940169151
SNP_P1_43577_34557433	NC_021162.1	Ca_kabuli_chr03	34557433	AA	TT	1940169153
SNP_P1_43579_34558021	NC_021162.1	Ca_kabuli_chr03	34558021	GG	AA	1940169155
SNP_P1_43581_34558520	NC_021162.1	Ca_kabuli_chr03	34558520	TT	AA	1940169157
SNP_P1_43582_34558574	NC_021162.1	Ca_kabuli_chr03	34558574	CC	TT	1940169159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43585_34559712	NC_021162.1	Ca_kabuli_chr03	34559712	AA	GG	1940169164
SNP_P1_43586_34559719	NC_021162.1	Ca_kabuli_chr03	34559719	AA	TT	1940169166
SNP_P1_43587_34559725	NC_021162.1	Ca_kabuli_chr03	34559725	AA	CC	1940169168
SNP_P1_43588_34560031	NC_021162.1	Ca_kabuli_chr03	34560031	TT	AA	1940169170
SNP_P1_43589_34560204	NC_021162.1	Ca_kabuli_chr03	34560204	TT	CC	1940169173
SNP_P1_43590_34560216	NC_021162.1	Ca_kabuli_chr03	34560216	TT	CC	1940169175
SNP_P1_43591_34560246	NC_021162.1	Ca_kabuli_chr03	34560246	GG	CC	1940169177
SNP_P1_43592_34560365	NC_021162.1	Ca_kabuli_chr03	34560365	CC	TT	1940169179
SNP_P1_43593_34560379	NC_021162.1	Ca_kabuli_chr03	34560379	CC	TT	1940169181
SNP_P1_43594_34560387	NC_021162.1	Ca_kabuli_chr03	34560387	GG	AA	1940169183
SNP_P1_43595_34560638	NC_021162.1	Ca_kabuli_chr03	34560638	AA	GG	1940169186
SNP_P1_43597_34561565	NC_021162.1	Ca_kabuli_chr03	34561565	TT	CC	1940169188
SNP_P1_43598_34561573	NC_021162.1	Ca_kabuli_chr03	34561573	CC	TT	1940169190
SNP_P1_43599_34561686	NC_021162.1	Ca_kabuli_chr03	34561686	GG	AA	1940169192
SNP_P1_43600_34561690	NC_021162.1	Ca_kabuli_chr03	34561690	TT	CC	1940169194
SNP_P1_43602_34562051	NC_021162.1	Ca_kabuli_chr03	34562051	GG	TT	1940169197
SNP_P1_43603_34562079	NC_021162.1	Ca_kabuli_chr03	34562079	TT	AA	1940169199
SNP_P1_43604_34562445	NC_021162.1	Ca_kabuli_chr03	34562445	CC	GG	1940169201
SNP_P1_43605_34562531	NC_021162.1	Ca_kabuli_chr03	34562531	GG	AA	1940169203
SNP_P1_43606_34562927	NC_021162.1	Ca_kabuli_chr03	34562927	CC	GG	1940169205
SNP_P1_43607_34563536	NC_021162.1	Ca_kabuli_chr03	34563536	GG	AA	1940169208
SNP_P1_43608_34564503	NC_021162.1	Ca_kabuli_chr03	34564503	GG	TT	1940169210
SNP_P1_43609_34565662	NC_021162.1	Ca_kabuli_chr03	34565662	CC	GG	1940169212
SNP_P1_43610_34565695	NC_021162.1	Ca_kabuli_chr03	34565695	GG	CC	1940169214
SNP_P1_43612_34565739	NC_021162.1	Ca_kabuli_chr03	34565739	TT	CC	1940169216
SNP_P1_43614_34565925	NC_021162.1	Ca_kabuli_chr03	34565925	AA	TT	1940169218
SNP_P1_43616_34565993	NC_021162.1	Ca_kabuli_chr03	34565993	GG	AA	1940169220
SNP_P1_43617_34566074	NC_021162.1	Ca_kabuli_chr03	34566074	AA	GG	1940169223
SNP_P1_43618_34566234	NC_021162.1	Ca_kabuli_chr03	34566234	AA	GG	1940169225
SNP_P1_43619_34566335	NC_021162.1	Ca_kabuli_chr03	34566335	TT	CC	1940169227
SNP_P1_43620_34566346	NC_021162.1	Ca_kabuli_chr03	34566346	CC	GG	1940169229
SNP_P1_43621_34566483	NC_021162.1	Ca_kabuli_chr03	34566483	TT	AA	1940169231
SNP_P1_43622_34566888	NC_021162.1	Ca_kabuli_chr03	34566888	AA	CC	1940169234
SNP_P1_43624_34568286	NC_021162.1	Ca_kabuli_chr03	34568286	GG	CC	1940169236
SNP_P1_43625_34568347	NC_021162.1	Ca_kabuli_chr03	34568347	AA	CC	1940169238
SNP_P1_43628_34568595	NC_021162.1	Ca_kabuli_chr03	34568595	GG	AA	1940169240
SNP_P1_43629_34568674	NC_021162.1	Ca_kabuli_chr03	34568674	GG	AA	1940169242
SNP_P1_43630_34568682	NC_021162.1	Ca_kabuli_chr03	34568682	CC	TT	1940169245
SNP_P1_43631_34568825	NC_021162.1	Ca_kabuli_chr03	34568825	AA	GG	1940169247
SNP_P1_43632_34570976	NC_021162.1	Ca_kabuli_chr03	34570976	GG	AA	1940169249
SNP_P1_43633_34570998	NC_021162.1	Ca_kabuli_chr03	34570998	AA	TT	1940169251

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43636_34571787	NC_021162.1	Ca_kabuli_chr03	34571787	AA	CC	1940169258
SNP_P1_43637_34571804	NC_021162.1	Ca_kabuli_chr03	34571804	CC	GG	1940169260
SNP_P1_43638_34571829	NC_021162.1	Ca_kabuli_chr03	34571829	CC	TT	1940169262
SNP_P1_43639_34572372	NC_021162.1	Ca_kabuli_chr03	34572372	AA	CC	1940169264
SNP_P1_43641_34572941	NC_021162.1	Ca_kabuli_chr03	34572941	GG	CC	1940169266
SNP_P1_43642_34573518	NC_021162.1	Ca_kabuli_chr03	34573518	CC	TT	1940169268
SNP_P1_43643_34573973	NC_021162.1	Ca_kabuli_chr03	34573973	TT	CC	1940169270
SNP_P1_43644_34574010	NC_021162.1	Ca_kabuli_chr03	34574010	CC	TT	1940169272
SNP_P1_43645_34574069	NC_021162.1	Ca_kabuli_chr03	34574069	CC	TT	1940169274
SNP_P1_43646_34574157	NC_021162.1	Ca_kabuli_chr03	34574157	AA	GG	1940169276
SNP_P1_43647_34574851	NC_021162.1	Ca_kabuli_chr03	34574851	AA	TT	1940169279
SNP_P1_43648_34577618	NC_021162.1	Ca_kabuli_chr03	34577618	AA	GG	1940169281
SNP_P1_43651_34583388	NC_021162.1	Ca_kabuli_chr03	34583388	AA	GG	1940169283
SNP_P1_43652_34588170	NC_021162.1	Ca_kabuli_chr03	34588170	GG	AA	1940169285
SNP_P1_43654_34588722	NC_021162.1	Ca_kabuli_chr03	34588722	GG	TT	1940169287
SNP_P1_43655_34588750	NC_021162.1	Ca_kabuli_chr03	34588750	CC	AA	1940169290
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SNP_P1_43658_34590615	NC_021162.1	Ca_kabuli_chr03	34590615	TT	GG	1940169294
SNP_P1_43659_34590644	NC_021162.1	Ca_kabuli_chr03	34590644	TT	CC	1940169296
SNP_P1_43661_34590721	NC_021162.1	Ca_kabuli_chr03	34590721	GG	CC	1940169298
SNP_P1_43663_34592903	NC_021162.1	Ca_kabuli_chr03	34592903	TT	GG	1940169301
SNP_P1_43664_34593036	NC_021162.1	Ca_kabuli_chr03	34593036	TT	AA	1940169303
SNP_P1_43665_34595013	NC_021162.1	Ca_kabuli_chr03	34595013	TT	CC	1940169305
SNP_P1_43666_34595034	NC_021162.1	Ca_kabuli_chr03	34595034	GG	AA	1940169307
SNP_P1_43667_34601298	NC_021162.1	Ca_kabuli_chr03	34601298	TT	CC	1940169309
SNP_P1_43668_34601661	NC_021162.1	Ca_kabuli_chr03	34601661	CC	AA	1940169311
SNP_P1_43669_34601755	NC_021162.1	Ca_kabuli_chr03	34601755	TT	GG	1940169314
SNP_P1_43670_34601798	NC_021162.1	Ca_kabuli_chr03	34601798	TT	GG	1940169316
SNP_P1_43671_34602894	NC_021162.1	Ca_kabuli_chr03	34602894	AA	TT	1940169318
SNP_P1_43672_34604043	NC_021162.1	Ca_kabuli_chr03	34604043	CC	TT	1940169320
SNP_P1_43673_34604045	NC_021162.1	Ca_kabuli_chr03	34604045	CC	AA	1940169322
SNP_P1_43674_34604335	NC_021162.1	Ca_kabuli_chr03	34604335	TT	CC	1940169325
SNP_P1_43675_34604666	NC_021162.1	Ca_kabuli_chr03	34604666	TT	CC	1940169327
SNP_P1_43676_34604698	NC_021162.1	Ca_kabuli_chr03	34604698	TT	CC	1940169329
SNP_P1_43677_34604798	NC_021162.1	Ca_kabuli_chr03	34604798	AA	GG	1940169331
SNP_P1_43678_34604903	NC_021162.1	Ca_kabuli_chr03	34604903	CC	AA	1940169333
SNP_P1_43680_34604963	NC_021162.1	Ca_kabuli_chr03	34604963	TT	CC	1940169335
SNP_P1_43681_34605060	NC_021162.1	Ca_kabuli_chr03	34605060	AA	GG	1940169338
SNP_P1_43682_34605186	NC_021162.1	Ca_kabuli_chr03	34605186	GG	AA	1940169340
SNP_P1_43684_34605601	NC_021162.1	Ca_kabuli_chr03	34605601	AA	GG	1940169342

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43688_34607424	NC_021162.1	Ca_kabuli_chr03	34607424	AA	GG	1940169346
SNP_P1_43689_34607429	NC_021162.1	Ca_kabuli_chr03	34607429	AA	TT	1940169348
SNP_P1_43690_34607605	NC_021162.1	Ca_kabuli_chr03	34607605	CC	AA	1940169351
SNP_P1_43691_34607945	NC_021162.1	Ca_kabuli_chr03	34607945	GG	AA	1940169353
SNP_P1_43692_34608032	NC_021162.1	Ca_kabuli_chr03	34608032	TT	AA	1940169355
SNP_P1_43694_34608127	NC_021162.1	Ca_kabuli_chr03	34608127	CC	TT	1940169357
SNP_P1_43695_34608170	NC_021162.1	Ca_kabuli_chr03	34608170	AA	GG	1940169359
SNP_P1_43697_34608197	NC_021162.1	Ca_kabuli_chr03	34608197	AA	GG	1940169362
SNP_P1_43698_34608394	NC_021162.1	Ca_kabuli_chr03	34608394	CC	TT	1940169364
SNP_P1_43699_34611618	NC_021162.1	Ca_kabuli_chr03	34611618	GG	TT	1940169366
SNP_P1_43700_34611814	NC_021162.1	Ca_kabuli_chr03	34611814	AA	TT	1940169368
SNP_P1_43701_34611834	NC_021162.1	Ca_kabuli_chr03	34611834	CC	TT	1940169372
SNP_P1_43702_34611877	NC_021162.1	Ca_kabuli_chr03	34611877	TT	GG	1940169374
SNP_P1_43703_34611899	NC_021162.1	Ca_kabuli_chr03	34611899	GG	AA	1940169376
SNP_P1_43704_34612304	NC_021162.1	Ca_kabuli_chr03	34612304	CC	AA	1940169378
SNP_P1_43705_34612531	NC_021162.1	Ca_kabuli_chr03	34612531	GG	AA	1940169380
SNP_P1_43706_34612976	NC_021162.1	Ca_kabuli_chr03	34612976	CC	TT	1940169382
SNP_P1_43707_34618010	NC_021162.1	Ca_kabuli_chr03	34618010	TT	CC	1940169385
SNP_P1_43708_34618036	NC_021162.1	Ca_kabuli_chr03	34618036	GG	AA	1940169387
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SNP_P1_43710_34618175	NC_021162.1	Ca_kabuli_chr03	34618175	TT	GG	1940169391
SNP_P1_43711_34618182	NC_021162.1	Ca_kabuli_chr03	34618182	TT	CC	1940169393
SNP_P1_43712_34619115	NC_021162.1	Ca_kabuli_chr03	34619115	AA	GG	1940169395
SNP_P1_43713_34619117	NC_021162.1	Ca_kabuli_chr03	34619117	CC	TT	1940169398
SNP_P1_43715_34619385	NC_021162.1	Ca_kabuli_chr03	34619385	GG	AA	1940169400
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SNP_P1_43721_34621084	NC_021162.1	Ca_kabuli_chr03	34621084	GG	CC	1940169404
SNP_P1_43722_34621286	NC_021162.1	Ca_kabuli_chr03	34621286	CC	TT	1940169406
SNP_P1_43725_34621382	NC_021162.1	Ca_kabuli_chr03	34621382	TT	CC	1940169408
SNP_P1_43726_34622943	NC_021162.1	Ca_kabuli_chr03	34622943	GG	AA	1940169410
SNP_P1_43727_34623093	NC_021162.1	Ca_kabuli_chr03	34623093	CC	TT	1940169413
SNP_P1_43728_34623114	NC_021162.1	Ca_kabuli_chr03	34623114	AA	GG	1940169415
SNP_P1_43729_34623148	NC_021162.1	Ca_kabuli_chr03	34623148	CC	TT	1940169417
SNP_P1_43730_34623186	NC_021162.1	Ca_kabuli_chr03	34623186	TT	CC	1940169419
SNP_P1_43731_34623189	NC_021162.1	Ca_kabuli_chr03	34623189	GG	AA	1940169421
SNP_P1_43732_34623212	NC_021162.1	Ca_kabuli_chr03	34623212	AA	GG	1940169423
SNP_P1_43733_34623218	NC_021162.1	Ca_kabuli_chr03	34623218	TT	AA	1940169426
SNP_P1_43734_34623223	NC_021162.1	Ca_kabuli_chr03	34623223	CC	TT	1940169428
SNP_P1_43735_34623225	NC_021162.1	Ca_kabuli_chr03	34623225	CC	TT	1940169430
SNP_P1_43736_34623229	NC_021162.1	Ca_kabuli_chr03	34623229	CC	TT	1940169432
SNP_P1_43737_34623295	NC_021162.1	Ca_kabuli_chr03	34623295	CC	TT	1940169434

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43739_34623311	NC_021162.1	Ca_kabuli_chr03	34623311	GG	AA	1940169438
SNP_P1_43741_34623570	NC_021162.1	Ca_kabuli_chr03	34623570	TT	CC	1940169441
SNP_P1_43742_34623573	NC_021162.1	Ca_kabuli_chr03	34623573	AA	CC	1940169443
SNP_P1_43743_34623898	NC_021162.1	Ca_kabuli_chr03	34623898	TT	AA	1940169445
SNP_P1_43745_34625365	NC_021162.1	Ca_kabuli_chr03	34625365	CC	TT	1940169447
SNP_P1_43746_34625608	NC_021162.1	Ca_kabuli_chr03	34625608	CC	AA	1940169449
SNP_P1_43747_34625681	NC_021162.1	Ca_kabuli_chr03	34625681	GG	AA	1940169451
SNP_P1_43748_34625802	NC_021162.1	Ca_kabuli_chr03	34625802	TT	GG	1940169453
SNP_P1_43749_34625811	NC_021162.1	Ca_kabuli_chr03	34625811	CC	TT	1940169456
SNP_P1_43750_34625914	NC_021162.1	Ca_kabuli_chr03	34625914	GG	AA	1940169458
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SNP_P1_43752_34625929	NC_021162.1	Ca_kabuli_chr03	34625929	CC	AA	1940169462
SNP_P1_43753_34625949	NC_021162.1	Ca_kabuli_chr03	34625949	CC	TT	1940169464
SNP_P1_43755_34625974	NC_021162.1	Ca_kabuli_chr03	34625974	CC	TT	1940169466
SNP_P1_43757_34626164	NC_021162.1	Ca_kabuli_chr03	34626164	AA	TT	1940169468
SNP_P1_43758_34626242	NC_021162.1	Ca_kabuli_chr03	34626242	TT	AA	1940169470
SNP_P1_43759_34626316	NC_021162.1	Ca_kabuli_chr03	34626316	CC	AA	1940169473
SNP_P1_43761_34626369	NC_021162.1	Ca_kabuli_chr03	34626369	AA	TT	1940169475
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SNP_P1_43766_34628224	NC_021162.1	Ca_kabuli_chr03	34628224	TT	AA	1940169483
SNP_P1_43767_34628335	NC_021162.1	Ca_kabuli_chr03	34628335	TT	CC	1940169485
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SNP_P1_43771_34629214	NC_021162.1	Ca_kabuli_chr03	34629214	AA	GG	1940169494
SNP_P1_43772_34629523	NC_021162.1	Ca_kabuli_chr03	34629523	GG	AA	1940169496
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SNP_P1_43774_34629652	NC_021162.1	Ca_kabuli_chr03	34629652	CC	AA	1940169501
SNP_P1_43775_34629715	NC_021162.1	Ca_kabuli_chr03	34629715	GG	AA	1940169503
SNP_P1_43776_34629831	NC_021162.1	Ca_kabuli_chr03	34629831	CC	GG	1940169505
SNP_P1_43777_34630004	NC_021162.1	Ca_kabuli_chr03	34630004	TT	AA	1940169507
SNP_P1_43778_34630025	NC_021162.1	Ca_kabuli_chr03	34630025	AA	GG	1940169509
SNP_P1_43779_34630266	NC_021162.1	Ca_kabuli_chr03	34630266	GG	AA	1940169512
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SNP_P1_43784_34630982	NC_021162.1	Ca_kabuli_chr03	34630982	CC	GG	1940169518
SNP_P1_43785_34630985	NC_021162.1	Ca_kabuli_chr03	34630985	AA	CC	1940169520
SNP_P1_43786_34631031	NC_021162.1	Ca_kabuli_chr03	34631031	AA	GG	1940169522
SNP_P1_43787_34631414	NC_021162.1	Ca_kabuli_chr03	34631414	CC	TT	1940169525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43791_34632799	NC_021162.1	Ca_kabuli_chr03	34632799	TT	AA	1940169533
SNP_P1_43792_34632826	NC_021162.1	Ca_kabuli_chr03	34632826	CC	TT	1940169535
SNP_P1_43794_34633052	NC_021162.1	Ca_kabuli_chr03	34633052	AA	GG	1940169537
SNP_P1_43796_34633661	NC_021162.1	Ca_kabuli_chr03	34633661	TT	GG	1940169540
SNP_P1_43797_34634120	NC_021162.1	Ca_kabuli_chr03	34634120	AA	GG	1940169542
SNP_P1_43801_34635455	NC_021162.1	Ca_kabuli_chr03	34635455	GG	AA	1940169544
SNP_P1_43802_34635767	NC_021162.1	Ca_kabuli_chr03	34635767	AA	TT	1940169546
SNP_P1_43803_34637073	NC_021162.1	Ca_kabuli_chr03	34637073	AA	CC	1940169548
SNP_P1_43805_34637221	NC_021162.1	Ca_kabuli_chr03	34637221	AA	GG	1940169550
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SNP_P1_43807_34637679	NC_021162.1	Ca_kabuli_chr03	34637679	GG	AA	1940169554
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SNP_P1_43809_34637876	NC_021162.1	Ca_kabuli_chr03	34637876	GG	AA	1940169559
SNP_P1_43810_34637890	NC_021162.1	Ca_kabuli_chr03	34637890	TT	AA	1940169561
SNP_P1_43812_34637991	NC_021162.1	Ca_kabuli_chr03	34637991	CC	TT	1940169563
SNP_P1_43813_34637998	NC_021162.1	Ca_kabuli_chr03	34637998	CC	GG	1940169565
SNP_P1_43815_34638726	NC_021162.1	Ca_kabuli_chr03	34638726	AA	CC	1940169567
SNP_P1_43816_34638855	NC_021162.1	Ca_kabuli_chr03	34638855	TT	AA	1940169569
SNP_P1_43817_34638885	NC_021162.1	Ca_kabuli_chr03	34638885	TT	CC	1940169571
SNP_P1_43818_34638892	NC_021162.1	Ca_kabuli_chr03	34638892	CC	AA	1940169574
SNP_P1_43819_34638897	NC_021162.1	Ca_kabuli_chr03	34638897	GG	AA	1940169576
SNP_P1_43820_34639315	NC_021162.1	Ca_kabuli_chr03	34639315	GG	AA	1940169578
SNP_P1_43821_34639565	NC_021162.1	Ca_kabuli_chr03	34639565	TT	AA	1940169580
SNP_P1_43822_34639645	NC_021162.1	Ca_kabuli_chr03	34639645	AA	TT	1940169582
SNP_P1_43823_34640395	NC_021162.1	Ca_kabuli_chr03	34640395	CC	TT	1940169584
SNP_P1_43825_34640896	NC_021162.1	Ca_kabuli_chr03	34640896	GG	AA	1940169586
SNP_P1_43828_34641880	NC_021162.1	Ca_kabuli_chr03	34641880	TT	AA	1940169589
SNP_P1_43829_34642236	NC_021162.1	Ca_kabuli_chr03	34642236	GG	AA	1940169591
SNP_P1_43830_34642335	NC_021162.1	Ca_kabuli_chr03	34642335	CC	GG	1940169593
SNP_P1_43831_34643279	NC_021162.1	Ca_kabuli_chr03	34643279	CC	AA	1940169595
SNP_P1_43833_34643800	NC_021162.1	Ca_kabuli_chr03	34643800	CC	AA	1940169597
SNP_P1_43834_34643900	NC_021162.1	Ca_kabuli_chr03	34643900	CC	GG	1940169599
SNP_P1_43835_34644138	NC_021162.1	Ca_kabuli_chr03	34644138	AA	GG	1940169601
SNP_P1_43836_34644741	NC_021162.1	Ca_kabuli_chr03	34644741	AA	GG	1940169604
SNP_P1_43837_34644914	NC_021162.1	Ca_kabuli_chr03	34644914	AA	GG	1940169606
SNP_P1_43838_34645361	NC_021162.1	Ca_kabuli_chr03	34645361	GG	AA	1940169608
SNP_P1_43839_34645368	NC_021162.1	Ca_kabuli_chr03	34645368	AA	CC	1940169610
SNP_P1_43840_34645390	NC_021162.1	Ca_kabuli_chr03	34645390	GG	CC	1940169612
SNP_P1_43841_34645943	NC_021162.1	Ca_kabuli_chr03	34645943	AA	CC	1940169614

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43844_34646428	NC_021162.1	Ca_kabuli_chr03	34646428	AA	GG	1940169618
SNP_P1_43845_34646440	NC_021162.1	Ca_kabuli_chr03	34646440	GG	AA	1940169620
SNP_P1_43846_34646532	NC_021162.1	Ca_kabuli_chr03	34646532	GG	AA	1940169622
SNP_P1_43847_34646584	NC_021162.1	Ca_kabuli_chr03	34646584	GG	AA	1940169625
SNP_P1_43848_34646621	NC_021162.1	Ca_kabuli_chr03	34646621	GG	TT	1940169627
SNP_P1_43849_34647019	NC_021162.1	Ca_kabuli_chr03	34647019	CC	TT	1940169629
SNP_P1_43851_34648370	NC_021162.1	Ca_kabuli_chr03	34648370	CC	GG	1940169631
SNP_P1_43852_34648394	NC_021162.1	Ca_kabuli_chr03	34648394	TT	CC	1940169633
SNP_P1_43853_34648468	NC_021162.1	Ca_kabuli_chr03	34648468	AA	GG	1940169636
SNP_P1_43854_34648495	NC_021162.1	Ca_kabuli_chr03	34648495	AA	CC	1940169638
SNP_P1_43856_34648525	NC_021162.1	Ca_kabuli_chr03	34648525	TT	CC	1940169640
SNP_P1_43857_34648534	NC_021162.1	Ca_kabuli_chr03	34648534	CC	TT	1940169642
SNP_P1_43859_34648557	NC_021162.1	Ca_kabuli_chr03	34648557	AA	GG	1940169644
SNP_P1_43860_34648573	NC_021162.1	Ca_kabuli_chr03	34648573	TT	GG	1940169646
SNP_P1_43861_34648620	NC_021162.1	Ca_kabuli_chr03	34648620	CC	AA	1940169649
SNP_P1_43863_34650428	NC_021162.1	Ca_kabuli_chr03	34650428	CC	TT	1940169651
SNP_P1_43864_34650508	NC_021162.1	Ca_kabuli_chr03	34650508	TT	CC	1940169653
SNP_P1_43865_34650525	NC_021162.1	Ca_kabuli_chr03	34650525	AA	GG	1940169655
SNP_P1_43867_34650590	NC_021162.1	Ca_kabuli_chr03	34650590	CC	TT	1940169657
SNP_P1_43868_34650625	NC_021162.1	Ca_kabuli_chr03	34650625	CC	TT	1940169659
SNP_P1_43869_34650651	NC_021162.1	Ca_kabuli_chr03	34650651	TT	GG	1940169661
SNP_P1_43870_34651812	NC_021162.1	Ca_kabuli_chr03	34651812	AA	CC	1940169663
SNP_P1_43873_34659150	NC_021162.1	Ca_kabuli_chr03	34659150	CC	TT	1940169666
SNP_P1_43874_34659151	NC_021162.1	Ca_kabuli_chr03	34659151	GG	TT	1940169668
SNP_P1_43877_34661168	NC_021162.1	Ca_kabuli_chr03	34661168	AA	TT	1940169670
SNP_P1_43878_34662239	NC_021162.1	Ca_kabuli_chr03	34662239	TT	CC	1940169672
SNP_P1_43879_34665159	NC_021162.1	Ca_kabuli_chr03	34665159	AA	GG	1940169674
SNP_P1_43881_34665281	NC_021162.1	Ca_kabuli_chr03	34665281	GG	AA	1940169676
SNP_P1_43882_34665356	NC_021162.1	Ca_kabuli_chr03	34665356	AA	GG	1940169679
SNP_P1_43883_34665421	NC_021162.1	Ca_kabuli_chr03	34665421	GG	AA	1940169681
SNP_P1_43884_34665471	NC_021162.1	Ca_kabuli_chr03	34665471	CC	TT	1940169683
SNP_P1_43885_34665711	NC_021162.1	Ca_kabuli_chr03	34665711	GG	AA	1940169685
SNP_P1_43886_34665713	NC_021162.1	Ca_kabuli_chr03	34665713	AA	GG	1940169687
SNP_P1_43887_34666037	NC_021162.1	Ca_kabuli_chr03	34666037	AA	CC	1940169689
SNP_P1_43888_34666120	NC_021162.1	Ca_kabuli_chr03	34666120	AA	GG	1940169691
SNP_P1_43889_34666353	NC_021162.1	Ca_kabuli_chr03	34666353	TT	GG	1940169694
SNP_P1_43890_34666599	NC_021162.1	Ca_kabuli_chr03	34666599	GG	TT	1940169696
SNP_P1_43891_34666626	NC_021162.1	Ca_kabuli_chr03	34666626	AA	CC	1940169698
SNP_P1_43892_34666645	NC_021162.1	Ca_kabuli_chr03	34666645	GG	AA	1940169700
SNP_P1_43893_34666698	NC_021162.1	Ca_kabuli_chr03	34666698	CC	GG	1940169702
SNP_P1_43894_34666756	NC_021162.1	Ca_kabuli_chr03	34666756	TT	CC	1940169704

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43897_34667078	NC_021162.1	Ca_kabuli_chr03	34667078	TT	CC	1940169711
SNP_P1_43898_34667154	NC_021162.1	Ca_kabuli_chr03	34667154	GG	AA	1940169713
SNP_P1_43899_34667434	NC_021162.1	Ca_kabuli_chr03	34667434	CC	TT	1940169715
SNP_P1_43900_34667440	NC_021162.1	Ca_kabuli_chr03	34667440	CC	AA	1940169717
SNP_P1_43901_34669756	NC_021162.1	Ca_kabuli_chr03	34669756	TT	CC	1940169720
SNP_P1_43902_34670333	NC_021162.1	Ca_kabuli_chr03	34670333	GG	AA	1940169722
SNP_P1_43903_34670365	NC_021162.1	Ca_kabuli_chr03	34670365	CC	TT	1940169724
SNP_P1_43904_34670367	NC_021162.1	Ca_kabuli_chr03	34670367	TT	CC	1940169726
SNP_P1_43905_34670380	NC_021162.1	Ca_kabuli_chr03	34670380	AA	GG	1940169728
SNP_P1_43908_34673392	NC_021162.1	Ca_kabuli_chr03	34673392	GG	CC	1940169730
SNP_P1_43909_34673417	NC_021162.1	Ca_kabuli_chr03	34673417	TT	CC	1940169733
SNP_P1_43910_34673430	NC_021162.1	Ca_kabuli_chr03	34673430	AA	GG	1940169735
SNP_P1_43911_34673755	NC_021162.1	Ca_kabuli_chr03	34673755	AA	GG	1940169737
SNP_P1_43912_34673864	NC_021162.1	Ca_kabuli_chr03	34673864	AA	TT	1940169739
SNP_P1_43913_34673941	NC_021162.1	Ca_kabuli_chr03	34673941	CC	TT	1940169741
SNP_P1_43914_34674014	NC_021162.1	Ca_kabuli_chr03	34674014	GG	AA	1940169743
SNP_P1_43916_34674050	NC_021162.1	Ca_kabuli_chr03	34674050	TT	AA	1940169745
SNP_P1_43917_34674810	NC_021162.1	Ca_kabuli_chr03	34674810	GG	AA	1940169747
SNP_P1_43918_34674842	NC_021162.1	Ca_kabuli_chr03	34674842	AA	GG	1940169750
SNP_P1_43919_34674843	NC_021162.1	Ca_kabuli_chr03	34674843	AA	GG	1940169752
SNP_P1_43921_34675910	NC_021162.1	Ca_kabuli_chr03	34675910	CC	AA	1940169754
SNP_P1_43922_34675925	NC_021162.1	Ca_kabuli_chr03	34675925	AA	TT	1940169756
SNP_P1_43923_34679121	NC_021162.1	Ca_kabuli_chr03	34679121	GG	CC	1940169758
SNP_P1_43924_34679537	NC_021162.1	Ca_kabuli_chr03	34679537	GG	TT	1940169760
SNP_P1_43925_34679657	NC_021162.1	Ca_kabuli_chr03	34679657	AA	GG	1940169762
SNP_P1_43926_34680537	NC_021162.1	Ca_kabuli_chr03	34680537	GG	AA	1940169765
SNP_P1_43928_34681217	NC_021162.1	Ca_kabuli_chr03	34681217	GG	AA	1940169767
SNP_P1_43929_34681223	NC_021162.1	Ca_kabuli_chr03	34681223	CC	GG	1940169769
SNP_P1_43930_34681331	NC_021162.1	Ca_kabuli_chr03	34681331	GG	AA	1940169771
SNP_P1_43932_34681704	NC_021162.1	Ca_kabuli_chr03	34681704	TT	AA	1940169773
SNP_P1_43933_34682070	NC_021162.1	Ca_kabuli_chr03	34682070	AA	GG	1940169775
SNP_P1_43934_34682156	NC_021162.1	Ca_kabuli_chr03	34682156	TT	GG	1940169777
SNP_P1_43935_34682335	NC_021162.1	Ca_kabuli_chr03	34682335	CC	GG	1940169780
SNP_P1_43938_34683960	NC_021162.1	Ca_kabuli_chr03	34683960	CC	GG	1940169782
SNP_P1_43939_34684087	NC_021162.1	Ca_kabuli_chr03	34684087	AA	CC	1940169784
SNP_P1_43940_34684326	NC_021162.1	Ca_kabuli_chr03	34684326	TT	AA	1940169786
SNP_P1_43941_34684752	NC_021162.1	Ca_kabuli_chr03	34684752	CC	TT	1940169788
SNP_P1_43942_34685021	NC_021162.1	Ca_kabuli_chr03	34685021	TT	AA	1940169790
SNP_P1_43943_34685031	NC_021162.1	Ca_kabuli_chr03	34685031	CC	AA	1940169793
SNP_P1_43944_34685379	NC_021162.1	Ca_kabuli_chr03	34685379	GG	CC	1940169795

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43946_34685433	NC_021162.1	Ca_kabuli_chr03	34685433	AA	GG	1940169799
SNP_P1_43948_34685693	NC_021162.1	Ca_kabuli_chr03	34685693	GG	AA	1940169801
SNP_P1_43949_34685711	NC_021162.1	Ca_kabuli_chr03	34685711	AA	GG	1940169803
SNP_P1_43951_34686107	NC_021162.1	Ca_kabuli_chr03	34686107	CC	AA	1940169805
SNP_P1_43952_34686132	NC_021162.1	Ca_kabuli_chr03	34686132	GG	AA	1940169807
SNP_P1_43953_34686398	NC_021162.1	Ca_kabuli_chr03	34686398	AA	TT	1940169809
SNP_P1_43954_34686416	NC_021162.1	Ca_kabuli_chr03	34686416	TT	CC	1940169812
SNP_P1_43955_34686616	NC_021162.1	Ca_kabuli_chr03	34686616	TT	GG	1940169814
SNP_P1_43956_34686769	NC_021162.1	Ca_kabuli_chr03	34686769	AA	GG	1940169816
SNP_P1_43957_34686821	NC_021162.1	Ca_kabuli_chr03	34686821	GG	AA	1940169818
SNP_P1_43958_34686856	NC_021162.1	Ca_kabuli_chr03	34686856	CC	GG	1940169820
SNP_P1_43959_34687738	NC_021162.1	Ca_kabuli_chr03	34687738	AA	CC	1940169822
SNP_P1_43960_34688029	NC_021162.1	Ca_kabuli_chr03	34688029	TT	CC	1940169824
SNP_P1_43961_34688040	NC_021162.1	Ca_kabuli_chr03	34688040	AA	CC	1940169827
SNP_P1_43962_34688054	NC_021162.1	Ca_kabuli_chr03	34688054	GG	AA	1940169829
SNP_P1_43963_34688123	NC_021162.1	Ca_kabuli_chr03	34688123	AA	CC	1940169831
SNP_P1_43964_34688147	NC_021162.1	Ca_kabuli_chr03	34688147	AA	GG	1940169833
SNP_P1_43965_34688160	NC_021162.1	Ca_kabuli_chr03	34688160	GG	AA	1940169835
SNP_P1_43966_34688647	NC_021162.1	Ca_kabuli_chr03	34688647	TT	CC	1940169837
SNP_P1_43967_34689147	NC_021162.1	Ca_kabuli_chr03	34689147	AA	GG	1940169839
SNP_P1_43968_34689377	NC_021162.1	Ca_kabuli_chr03	34689377	AA	TT	1940169841
SNP_P1_43969_34689538	NC_021162.1	Ca_kabuli_chr03	34689538	TT	CC	1940169844
SNP_P1_43970_34692366	NC_021162.1	Ca_kabuli_chr03	34692366	CC	AA	1940169846
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SNP_P1_43973_34692876	NC_021162.1	Ca_kabuli_chr03	34692876	TT	CC	1940169852
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SNP_P1_43975_34693588	NC_021162.1	Ca_kabuli_chr03	34693588	AA	GG	1940169857
SNP_P1_43976_34694025	NC_021162.1	Ca_kabuli_chr03	34694025	AA	GG	1940169859
SNP_P1_43977_34694104	NC_021162.1	Ca_kabuli_chr03	34694104	AA	GG	1940169861
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SNP_P1_43980_34701614	NC_021162.1	Ca_kabuli_chr03	34701614	CC	TT	1940169867
SNP_P1_43982_34703850	NC_021162.1	Ca_kabuli_chr03	34703850	AA	GG	1940169869
SNP_P1_43983_34711459	NC_021162.1	Ca_kabuli_chr03	34711459	TT	AA	1940169871
SNP_P1_43984_34711686	NC_021162.1	Ca_kabuli_chr03	34711686	GG	CC	1940169873
SNP_P1_43985_34712828	NC_021162.1	Ca_kabuli_chr03	34712828	TT	CC	1940169876
SNP_P1_43986_34714500	NC_021162.1	Ca_kabuli_chr03	34714500	AA	TT	1940169878
SNP_P1_43987_34715115	NC_021162.1	Ca_kabuli_chr03	34715115	GG	CC	1940169880
SNP_P1_43988_34715148	NC_021162.1	Ca_kabuli_chr03	34715148	TT	CC	1940169882
SNP_P1_43989_34715168	NC_021162.1	Ca_kabuli_chr03	34715168	TT	GG	1940169884

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_43993_34716474	NC_021162.1	Ca_kabuli_chr03	34716474	AA	GG	1940169891
SNP_P1_43994_34716545	NC_021162.1	Ca_kabuli_chr03	34716545	TT	CC	1940169893
SNP_P1_43995_34716679	NC_021162.1	Ca_kabuli_chr03	34716679	AA	CC	1940169895
SNP_P1_43996_34716710	NC_021162.1	Ca_kabuli_chr03	34716710	TT	AA	1940169897
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SNP_P1_43998_34716765	NC_021162.1	Ca_kabuli_chr03	34716765	TT	AA	1940169901
SNP_P1_43999_34716767	NC_021162.1	Ca_kabuli_chr03	34716767	TT	AA	1940169903
SNP_P1_44000_34716949	NC_021162.1	Ca_kabuli_chr03	34716949	CC	AA	1940169906
SNP_P1_44002_34717359	NC_021162.1	Ca_kabuli_chr03	34717359	AA	CC	1940169908
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SNP_P1_44004_34717894	NC_021162.1	Ca_kabuli_chr03	34717894	AA	CC	1940169912
SNP_P1_44005_34718392	NC_021162.1	Ca_kabuli_chr03	34718392	AA	GG	1940169914
SNP_P1_44006_34719174	NC_021162.1	Ca_kabuli_chr03	34719174	GG	TT	1940169916
SNP_P1_44007_34721586	NC_021162.1	Ca_kabuli_chr03	34721586	AA	GG	1940169918
SNP_P1_44008_34721603	NC_021162.1	Ca_kabuli_chr03	34721603	TT	GG	1940169920
SNP_P1_44009_34721612	NC_021162.1	Ca_kabuli_chr03	34721612	TT	CC	1940169922
SNP_P1_44011_34721904	NC_021162.1	Ca_kabuli_chr03	34721904	TT	CC	1940169925
SNP_P1_44013_34725035	NC_021162.1	Ca_kabuli_chr03	34725035	AA	TT	1940169927
SNP_P1_44014_34725671	NC_021162.1	Ca_kabuli_chr03	34725671	GG	AA	1940169929
SNP_P1_44015_34725706	NC_021162.1	Ca_kabuli_chr03	34725706	GG	AA	1940169931
SNP_P1_44016_34725779	NC_021162.1	Ca_kabuli_chr03	34725779	CC	TT	1940169933
SNP_P1_44018_34726899	NC_021162.1	Ca_kabuli_chr03	34726899	CC	AA	1940169935
SNP_P1_44019_34726901	NC_021162.1	Ca_kabuli_chr03	34726901	AA	TT	1940169938
SNP_P1_44020_34727293	NC_021162.1	Ca_kabuli_chr03	34727293	TT	GG	1940169940
SNP_P1_44021_34727410	NC_021162.1	Ca_kabuli_chr03	34727410	AA	GG	1940169942
SNP_P1_44022_34727435	NC_021162.1	Ca_kabuli_chr03	34727435	TT	CC	1940169944
SNP_P1_44023_34729271	NC_021162.1	Ca_kabuli_chr03	34729271	TT	GG	1940169946
SNP_P1_44024_34729392	NC_021162.1	Ca_kabuli_chr03	34729392	AA	GG	1940169948
SNP_P1_44025_34729402	NC_021162.1	Ca_kabuli_chr03	34729402	TT	AA	1940169950
SNP_P1_44026_34730216	NC_021162.1	Ca_kabuli_chr03	34730216	TT	CC	1940169953
SNP_P1_44028_34730329	NC_021162.1	Ca_kabuli_chr03	34730329	CC	AA	1940169955
SNP_P1_44029_34731405	NC_021162.1	Ca_kabuli_chr03	34731405	AA	GG	1940169957
SNP_P1_44032_34732064	NC_021162.1	Ca_kabuli_chr03	34732064	CC	AA	1940169959
SNP_P1_44033_34732065	NC_021162.1	Ca_kabuli_chr03	34732065	AA	CC	1940169961
SNP_P1_44034_34732149	NC_021162.1	Ca_kabuli_chr03	34732149	AA	CC	1940169963
SNP_P1_44037_34732270	NC_021162.1	Ca_kabuli_chr03	34732270	AA	GG	1940169965
SNP_P1_44038_34732502	NC_021162.1	Ca_kabuli_chr03	34732502	CC	GG	1940169968
SNP_P1_44039_34732991	NC_021162.1	Ca_kabuli_chr03	34732991	TT	GG	1940169970
SNP_P1_44040_34733006	NC_021162.1	Ca_kabuli_chr03	34733006	TT	CC	1940169972
SNP_P1_44041_34733020	NC_021162.1	Ca_kabuli_chr03	34733020	GG	AA	1940169974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_44042_34733029	NC_021162.1	Ca_kabuli_chr03	34733029	CC	GG	1940169976
SNP_P1_44043_34733629	NC_021162.1	Ca_kabuli_chr03	34733629	TT	AA	1940169978
SNP_P1_44044_34733857	NC_021162.1	Ca_kabuli_chr03	34733857	GG	AA	1940169981
SNP_P1_44045_34734945	NC_021162.1	Ca_kabuli_chr03	34734945	AA	TT	1940169983
SNP_P1_44046_34735171	NC_021162.1	Ca_kabuli_chr03	34735171	AA	GG	1940169985
SNP_P1_44047_34735180	NC_021162.1	Ca_kabuli_chr03	34735180	GG	AA	1940169987
SNP_P1_44048_34735254	NC_021162.1	Ca_kabuli_chr03	34735254	AA	GG	1940169989
SNP_P1_44049_34735309	NC_021162.1	Ca_kabuli_chr03	34735309	GG	TT	1940169991
SNP_P1_44050_34735858	NC_021162.1	Ca_kabuli_chr03	34735858	TT	GG	1940169993
SNP_P1_44051_34735964	NC_021162.1	Ca_kabuli_chr03	34735964	TT	GG	1940169995
SNP_P1_44052_34736540	NC_021162.1	Ca_kabuli_chr03	34736540	AA	CC	1940169998
SNP_P1_44055_34738041	NC_021162.1	Ca_kabuli_chr03	34738041	AA	GG	1940170000
SNP_P1_44056_34738401	NC_021162.1	Ca_kabuli_chr03	34738401	TT	CC	1940170002
SNP_P1_44057_34738442	NC_021162.1	Ca_kabuli_chr03	34738442	AA	TT	1940170004
SNP_P1_44058_34739020	NC_021162.1	Ca_kabuli_chr03	34739020	TT	CC	1940170006
SNP_P1_44059_34739037	NC_021162.1	Ca_kabuli_chr03	34739037	CC	TT	1940170009
SNP_P1_44060_34739057	NC_021162.1	Ca_kabuli_chr03	34739057	AA	GG	1940170011
SNP_P1_44061_34739093	NC_021162.1	Ca_kabuli_chr03	34739093	TT	CC	1940170013
SNP_P1_44062_34739173	NC_021162.1	Ca_kabuli_chr03	34739173	TT	CC	1940170015
SNP_P1_44063_34739222	NC_021162.1	Ca_kabuli_chr03	34739222	GG	AA	1940170017
SNP_P1_44065_34739350	NC_021162.1	Ca_kabuli_chr03	34739350	TT	CC	1940170019
SNP_P1_44067_34739609	NC_021162.1	Ca_kabuli_chr03	34739609	AA	GG	1940170021
SNP_P1_44068_34739873	NC_021162.1	Ca_kabuli_chr03	34739873	GG	TT	1940170024
SNP_P1_44069_34741325	NC_021162.1	Ca_kabuli_chr03	34741325	TT	AA	1940170026
SNP_P1_44070_34741541	NC_021162.1	Ca_kabuli_chr03	34741541	CC	TT	1940170028
SNP_P1_44071_34741582	NC_021162.1	Ca_kabuli_chr03	34741582	CC	AA	1940170030
SNP_P1_44072_34742594	NC_021162.1	Ca_kabuli_chr03	34742594	TT	CC	1940170032
SNP_P1_44073_34743821	NC_021162.1	Ca_kabuli_chr03	34743821	AA	TT	1940170034
SNP_P1_44074_34745402	NC_021162.1	Ca_kabuli_chr03	34745402	AA	GG	1940170036
SNP_P1_44075_34745429	NC_021162.1	Ca_kabuli_chr03	34745429	AA	GG	1940170038
SNP_P1_44076_34745454	NC_021162.1	Ca_kabuli_chr03	34745454	CC	TT	1940170040
SNP_P1_44077_34745629	NC_021162.1	Ca_kabuli_chr03	34745629	CC	TT	1940170043
SNP_P1_44078_34745688	NC_021162.1	Ca_kabuli_chr03	34745688	AA	TT	1940170045
SNP_P1_44082_34748391	NC_021162.1	Ca_kabuli_chr03	34748391	AA	GG	1940170047
SNP_P1_44083_34748488	NC_021162.1	Ca_kabuli_chr03	34748488	AA	GG	1940170049
SNP_P1_44084_34748489	NC_021162.1	Ca_kabuli_chr03	34748489	TT	AA	1940170051
SNP_P1_44085_34748490	NC_021162.1	Ca_kabuli_chr03	34748490	TT	AA	1940170053
SNP_P1_44086_34748496	NC_021162.1	Ca_kabuli_chr03	34748496	TT	AA	1940170055
SNP_P1_44087_34748499	NC_021162.1	Ca_kabuli_chr03	34748499	TT	AA	1940170058
SNP_P1_44088_34748529	NC_021162.1	Ca_kabuli_chr03	34748529	GG	CC	1940170060
SNP_P1_44089_34748531	NC_021162.1	Ca_kabuli_chr03	34748531	AA	TT	1940170062
SNP_P1_44090_34748584	NC_021162.1	Ca_kabuli_chr03	34748584	GG	CC	1940170064

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44092_34748634	NC_021162.1	Ca_kabuli_chr03	34748634	AA	GG	1940170069
SNP_P1_44093_34749095	NC_021162.1	Ca_kabuli_chr03	34749095	CC	GG	1940170071
SNP_P1_44094_34749124	NC_021162.1	Ca_kabuli_chr03	34749124	TT	AA	1940170073
SNP_P1_44095_34749185	NC_021162.1	Ca_kabuli_chr03	34749185	CC	TT	1940170075
SNP_P1_44098_34751853	NC_021162.1	Ca_kabuli_chr03	34751853	CC	TT	1940170077
SNP_P1_44099_34751876	NC_021162.1	Ca_kabuli_chr03	34751876	CC	TT	1940170079
SNP_P1_44101_34752919	NC_021162.1	Ca_kabuli_chr03	34752919	TT	AA	1940170081
SNP_P1_44103_34753366	NC_021162.1	Ca_kabuli_chr03	34753366	GG	AA	1940170084
SNP_P1_44105_34754470	NC_021162.1	Ca_kabuli_chr03	34754470	AA	GG	1940170086
SNP_P1_44106_34754516	NC_021162.1	Ca_kabuli_chr03	34754516	CC	GG	1940170088
SNP_P1_44107_34755052	NC_021162.1	Ca_kabuli_chr03	34755052	GG	AA	1940170090
SNP_P1_44108_34755070	NC_021162.1	Ca_kabuli_chr03	34755070	TT	AA	1940170092
SNP_P1_44109_34755096	NC_021162.1	Ca_kabuli_chr03	34755096	CC	TT	1940170094
SNP_P1_44110_34755122	NC_021162.1	Ca_kabuli_chr03	34755122	AA	GG	1940170096
SNP_P1_44113_34757450	NC_021162.1	Ca_kabuli_chr03	34757450	CC	AA	1940170099
SNP_P1_44114_34757941	NC_021162.1	Ca_kabuli_chr03	34757941	TT	AA	1940170101
SNP_P1_44115_34758632	NC_021162.1	Ca_kabuli_chr03	34758632	GG	AA	1940170103
SNP_P1_44116_34758680	NC_021162.1	Ca_kabuli_chr03	34758680	TT	CC	1940170105
SNP_P1_44118_34760217	NC_021162.1	Ca_kabuli_chr03	34760217	AA	GG	1940170107
SNP_P1_44119_34760443	NC_021162.1	Ca_kabuli_chr03	34760443	CC	TT	1940170109
SNP_P1_44120_34760456	NC_021162.1	Ca_kabuli_chr03	34760456	CC	TT	1940170111
SNP_P1_44121_34760469	NC_021162.1	Ca_kabuli_chr03	34760469	GG	TT	1940170114
SNP_P1_44122_34760477	NC_021162.1	Ca_kabuli_chr03	34760477	CC	TT	1940170116
SNP_P1_44123_34760483	NC_021162.1	Ca_kabuli_chr03	34760483	AA	GG	1940170118
SNP_P1_44124_34760499	NC_021162.1	Ca_kabuli_chr03	34760499	TT	CC	1940170120
SNP_P1_44125_34760503	NC_021162.1	Ca_kabuli_chr03	34760503	TT	GG	1940170122
SNP_P1_44126_34760510	NC_021162.1	Ca_kabuli_chr03	34760510	TT	GG	1940170124
SNP_P1_44127_34760553	NC_021162.1	Ca_kabuli_chr03	34760553	CC	AA	1940170126
SNP_P1_44128_34760731	NC_021162.1	Ca_kabuli_chr03	34760731	TT	AA	1940170128
SNP_P1_44129_34760907	NC_021162.1	Ca_kabuli_chr03	34760907	GG	AA	1940170130
SNP_P1_44130_34760911	NC_021162.1	Ca_kabuli_chr03	34760911	TT	CC	1940170133
SNP_P1_44131_34760917	NC_021162.1	Ca_kabuli_chr03	34760917	CC	AA	1940170135
SNP_P1_44132_34760926	NC_021162.1	Ca_kabuli_chr03	34760926	CC	TT	1940170137
SNP_P1_44133_34760968	NC_021162.1	Ca_kabuli_chr03	34760968	GG	AA	1940170139
SNP_P1_44134_34760979	NC_021162.1	Ca_kabuli_chr03	34760979	GG	AA	1940170141
SNP_P1_44135_34760991	NC_021162.1	Ca_kabuli_chr03	34760991	TT	AA	1940170143
SNP_P1_44136_34761000	NC_021162.1	Ca_kabuli_chr03	34761000	TT	CC	1940170146
SNP_P1_44137_34761152	NC_021162.1	Ca_kabuli_chr03	34761152	CC	TT	1940170148
SNP_P1_44138_34761229	NC_021162.1	Ca_kabuli_chr03	34761229	TT	AA	1940170150
SNP_P1_44139_34761285	NC_021162.1	Ca_kabuli_chr03	34761285	AA	CC	1940170152
SNP_P1_44140_34761311	NC_021162.1	Ca_kabuli_chr03	34761311	CC	TT	1940170154

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44142_34761486	NC_021162.1	Ca_kabuli_chr03	34761486	TT	CC	1940170158
SNP_P1_44143_34761516	NC_021162.1	Ca_kabuli_chr03	34761516	GG	AA	1940170161
SNP_P1_44144_34761560	NC_021162.1	Ca_kabuli_chr03	34761560	TT	CC	1940170163
SNP_P1_44146_34762425	NC_021162.1	Ca_kabuli_chr03	34762425	GG	AA	1940170165
SNP_P1_44147_34762450	NC_021162.1	Ca_kabuli_chr03	34762450	CC	TT	1940170167
SNP_P1_44148_34762471	NC_021162.1	Ca_kabuli_chr03	34762471	AA	GG	1940170169
SNP_P1_44149_34762479	NC_021162.1	Ca_kabuli_chr03	34762479	CC	TT	1940170171
SNP_P1_44150_34763273	NC_021162.1	Ca_kabuli_chr03	34763273	GG	TT	1940170174
SNP_P1_44151_34763292	NC_021162.1	Ca_kabuli_chr03	34763292	CC	TT	1940170176
SNP_P1_44152_34763482	NC_021162.1	Ca_kabuli_chr03	34763482	TT	CC	1940170178
SNP_P1_44153_34763497	NC_021162.1	Ca_kabuli_chr03	34763497	CC	TT	1940170180
SNP_P1_44154_34763525	NC_021162.1	Ca_kabuli_chr03	34763525	GG	AA	1940170182
SNP_P1_44155_34763541	NC_021162.1	Ca_kabuli_chr03	34763541	GG	AA	1940170184
SNP_P1_44156_34763566	NC_021162.1	Ca_kabuli_chr03	34763566	TT	CC	1940170187
SNP_P1_44157_34763718	NC_021162.1	Ca_kabuli_chr03	34763718	CC	AA	1940170189
SNP_P1_44158_34763781	NC_021162.1	Ca_kabuli_chr03	34763781	AA	CC	1940170191
SNP_P1_44159_34764022	NC_021162.1	Ca_kabuli_chr03	34764022	TT	AA	1940170193
SNP_P1_44161_34765205	NC_021162.1	Ca_kabuli_chr03	34765205	GG	TT	1940170195
SNP_P1_44162_34765242	NC_021162.1	Ca_kabuli_chr03	34765242	AA	CC	1940170197
SNP_P1_44163_34765256	NC_021162.1	Ca_kabuli_chr03	34765256	AA	TT	1940170199
SNP_P1_44166_34765822	NC_021162.1	Ca_kabuli_chr03	34765822	TT	CC	1940170202
SNP_P1_44167_34766710	NC_021162.1	Ca_kabuli_chr03	34766710	TT	CC	1940170204
SNP_P1_44168_34766889	NC_021162.1	Ca_kabuli_chr03	34766889	GG	CC	1940170206
SNP_P1_44169_34767361	NC_021162.1	Ca_kabuli_chr03	34767361	GG	TT	1940170208
SNP_P1_44170_34767372	NC_021162.1	Ca_kabuli_chr03	34767372	GG	AA	1940170210
SNP_P1_44171_34770114	NC_021162.1	Ca_kabuli_chr03	34770114	TT	GG	1940170212
SNP_P1_44172_34770155	NC_021162.1	Ca_kabuli_chr03	34770155	TT	CC	1940170215
SNP_P1_44173_34770190	NC_021162.1	Ca_kabuli_chr03	34770190	TT	AA	1940170217
SNP_P1_44174_34771252	NC_021162.1	Ca_kabuli_chr03	34771252	AA	TT	1940170219
SNP_P1_44175_34773475	NC_021162.1	Ca_kabuli_chr03	34773475	AA	GG	1940170221
SNP_P1_44176_34775336	NC_021162.1	Ca_kabuli_chr03	34775336	AA	CC	1940170223
SNP_P1_44177_34780451	NC_021162.1	Ca_kabuli_chr03	34780451	CC	AA	1940170225
SNP_P1_44178_34780456	NC_021162.1	Ca_kabuli_chr03	34780456	CC	GG	1940170227
SNP_P1_44179_34782483	NC_021162.1	Ca_kabuli_chr03	34782483	TT	AA	1940170229
SNP_P1_44180_34782484	NC_021162.1	Ca_kabuli_chr03	34782484	AA	TT	1940170232
SNP_P1_44181_34784519	NC_021162.1	Ca_kabuli_chr03	34784519	CC	TT	1940170234
SNP_P1_44182_34785101	NC_021162.1	Ca_kabuli_chr03	34785101	AA	GG	1940170236
SNP_P1_44183_34785102	NC_021162.1	Ca_kabuli_chr03	34785102	TT	GG	1940170238
SNP_P1_44185_34785452	NC_021162.1	Ca_kabuli_chr03	34785452	CC	AA	1940170240
SNP_P1_44186_34785480	NC_021162.1	Ca_kabuli_chr03	34785480	TT	CC	1940170242
SNP_P1_44187_34785519	NC_021162.1	Ca_kabuli_chr03	34785519	CC	AA	1940170245

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44189_34785534	NC_021162.1	Ca_kabuli_chr03	34785534	AA	GG	1940170249
SNP_P1_44190_34786096	NC_021162.1	Ca_kabuli_chr03	34786096	AA	GG	1940170251
SNP_P1_44191_34786100	NC_021162.1	Ca_kabuli_chr03	34786100	GG	AA	1940170253
SNP_P1_44192_34786127	NC_021162.1	Ca_kabuli_chr03	34786127	GG	AA	1940170255
SNP_P1_44193_34786174	NC_021162.1	Ca_kabuli_chr03	34786174	TT	CC	1940170257
SNP_P1_44194_34786175	NC_021162.1	Ca_kabuli_chr03	34786175	GG	CC	1940170260
SNP_P1_44195_34786248	NC_021162.1	Ca_kabuli_chr03	34786248	AA	TT	1940170262
SNP_P1_44196_34786249	NC_021162.1	Ca_kabuli_chr03	34786249	CC	AA	1940170264
SNP_P1_44197_34786276	NC_021162.1	Ca_kabuli_chr03	34786276	CC	AA	1940170266
SNP_P1_44198_34786307	NC_021162.1	Ca_kabuli_chr03	34786307	AA	TT	1940170268
SNP_P1_44199_34786338	NC_021162.1	Ca_kabuli_chr03	34786338	TT	AA	1940170270
SNP_P1_44200_34786376	NC_021162.1	Ca_kabuli_chr03	34786376	GG	AA	1940170272
SNP_P1_44201_34786753	NC_021162.1	Ca_kabuli_chr03	34786753	GG	CC	1940170274
SNP_P1_44203_34786796	NC_021162.1	Ca_kabuli_chr03	34786796	CC	AA	1940170277
SNP_P1_44204_34786827	NC_021162.1	Ca_kabuli_chr03	34786827	AA	GG	1940170279
SNP_P1_44205_34786897	NC_021162.1	Ca_kabuli_chr03	34786897	TT	GG	1940170281
SNP_P1_44206_34787244	NC_021162.1	Ca_kabuli_chr03	34787244	CC	TT	1940170283
SNP_P1_44207_34787276	NC_021162.1	Ca_kabuli_chr03	34787276	TT	CC	1940170285
SNP_P1_44208_34787284	NC_021162.1	Ca_kabuli_chr03	34787284	GG	AA	1940170288
SNP_P1_44209_34787588	NC_021162.1	Ca_kabuli_chr03	34787588	AA	GG	1940170290
SNP_P1_44210_34787868	NC_021162.1	Ca_kabuli_chr03	34787868	TT	AA	1940170292
SNP_P1_44211_34787968	NC_021162.1	Ca_kabuli_chr03	34787968	CC	TT	1940170294
SNP_P1_44212_34788310	NC_021162.1	Ca_kabuli_chr03	34788310	AA	CC	1940170296
SNP_P1_44213_34788332	NC_021162.1	Ca_kabuli_chr03	34788332	TT	AA	1940170298
SNP_P1_44214_34788341	NC_021162.1	Ca_kabuli_chr03	34788341	TT	AA	1940170301
SNP_P1_44215_34788656	NC_021162.1	Ca_kabuli_chr03	34788656	TT	CC	1940170303
SNP_P1_44216_34788944	NC_021162.1	Ca_kabuli_chr03	34788944	AA	TT	1940170305
SNP_P1_44218_34789007	NC_021162.1	Ca_kabuli_chr03	34789007	AA	GG	1940170307
SNP_P1_44219_34789501	NC_021162.1	Ca_kabuli_chr03	34789501	TT	CC	1940170309
SNP_P1_44220_34789503	NC_021162.1	Ca_kabuli_chr03	34789503	CC	AA	1940170311
SNP_P1_44221_34789546	NC_021162.1	Ca_kabuli_chr03	34789546	AA	CC	1940170313
SNP_P1_44223_34789587	NC_021162.1	Ca_kabuli_chr03	34789587	TT	CC	1940170315
SNP_P1_44224_34789664	NC_021162.1	Ca_kabuli_chr03	34789664	GG	TT	1940170318
SNP_P1_44225_34789702	NC_021162.1	Ca_kabuli_chr03	34789702	CC	TT	1940170320
SNP_P1_44226_34790509	NC_021162.1	Ca_kabuli_chr03	34790509	TT	AA	1940170322
SNP_P1_44228_34790608	NC_021162.1	Ca_kabuli_chr03	34790608	TT	AA	1940170324
SNP_P1_44229_34790746	NC_021162.1	Ca_kabuli_chr03	34790746	TT	CC	1940170326
SNP_P1_44231_34793933	NC_021162.1	Ca_kabuli_chr03	34793933	TT	GG	1940170328
SNP_P1_44232_34793960	NC_021162.1	Ca_kabuli_chr03	34793960	GG	CC	1940170330
SNP_P1_44233_34793969	NC_021162.1	Ca_kabuli_chr03	34793969	GG	AA	1940170332
SNP_P1_44234_34793982	NC_021162.1	Ca_kabuli_chr03	34793982	GG	AA	1940170334

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44239_34796888	NC_021162.1	Ca_kabuli_chr03	34796888	AA	GG	1940170338
SNP_P1_44240_34797011	NC_021162.1	Ca_kabuli_chr03	34797011	AA	GG	1940170340
SNP_P1_44241_34797060	NC_021162.1	Ca_kabuli_chr03	34797060	CC	AA	1940170343
SNP_P1_44242_34797092	NC_021162.1	Ca_kabuli_chr03	34797092	TT	CC	1940170345
SNP_P1_44243_34797228	NC_021162.1	Ca_kabuli_chr03	34797228	CC	GG	1940170347
SNP_P1_44244_34797230	NC_021162.1	Ca_kabuli_chr03	34797230	TT	GG	1940170349
SNP_P1_44245_34797254	NC_021162.1	Ca_kabuli_chr03	34797254	TT	CC	1940170351
SNP_P1_44246_34797294	NC_021162.1	Ca_kabuli_chr03	34797294	TT	CC	1940170353
SNP_P1_44247_34797309	NC_021162.1	Ca_kabuli_chr03	34797309	TT	CC	1940170356
SNP_P1_44248_34797333	NC_021162.1	Ca_kabuli_chr03	34797333	TT	CC	1940170358
SNP_P1_44249_34797587	NC_021162.1	Ca_kabuli_chr03	34797587	TT	CC	1940170360
SNP_P1_44250_34797606	NC_021162.1	Ca_kabuli_chr03	34797606	TT	GG	1940170362
SNP_P1_44252_34797642	NC_021162.1	Ca_kabuli_chr03	34797642	GG	AA	1940170364
SNP_P1_44253_34797690	NC_021162.1	Ca_kabuli_chr03	34797690	TT	CC	1940170366
SNP_P1_44255_34797812	NC_021162.1	Ca_kabuli_chr03	34797812	CC	AA	1940170368
SNP_P1_44256_34797850	NC_021162.1	Ca_kabuli_chr03	34797850	TT	CC	1940170370
SNP_P1_44258_34797886	NC_021162.1	Ca_kabuli_chr03	34797886	AA	TT	1940170373
SNP_P1_44259_34797996	NC_021162.1	Ca_kabuli_chr03	34797996	TT	CC	1940170375
SNP_P1_44260_34798116	NC_021162.1	Ca_kabuli_chr03	34798116	GG	AA	1940170377
SNP_P1_44261_34798209	NC_021162.1	Ca_kabuli_chr03	34798209	AA	CC	1940170379
SNP_P1_44262_34798221	NC_021162.1	Ca_kabuli_chr03	34798221	TT	CC	1940170381
SNP_P1_44263_34798236	NC_021162.1	Ca_kabuli_chr03	34798236	CC	TT	1940170383
SNP_P1_44265_34798347	NC_021162.1	Ca_kabuli_chr03	34798347	CC	AA	1940170386
SNP_P1_44266_34798348	NC_021162.1	Ca_kabuli_chr03	34798348	CC	AA	1940170388
SNP_P1_44267_34798349	NC_021162.1	Ca_kabuli_chr03	34798349	TT	GG	1940170390
SNP_P1_44268_34798350	NC_021162.1	Ca_kabuli_chr03	34798350	CC	AA	1940170392
SNP_P1_44269_34798625	NC_021162.1	Ca_kabuli_chr03	34798625	CC	TT	1940170394
SNP_P1_44272_34799564	NC_021162.1	Ca_kabuli_chr03	34799564	GG	AA	1940170396
SNP_P1_44273_34799785	NC_021162.1	Ca_kabuli_chr03	34799785	CC	GG	1940170398
SNP_P1_44275_34800083	NC_021162.1	Ca_kabuli_chr03	34800083	CC	TT	1940170400
SNP_P1_44276_34801263	NC_021162.1	Ca_kabuli_chr03	34801263	CC	GG	1940170403
SNP_P1_44277_34803050	NC_021162.1	Ca_kabuli_chr03	34803050	CC	TT	1940170405
SNP_P1_44279_34804396	NC_021162.1	Ca_kabuli_chr03	34804396	GG	AA	1940170408
SNP_P1_44280_34805608	NC_021162.1	Ca_kabuli_chr03	34805608	AA	CC	1940170410
SNP_P1_44282_34805975	NC_021162.1	Ca_kabuli_chr03	34805975	CC	TT	1940170412
SNP_P1_44283_34806040	NC_021162.1	Ca_kabuli_chr03	34806040	GG	TT	1940170414
SNP_P1_44284_34806048	NC_021162.1	Ca_kabuli_chr03	34806048	AA	GG	1940170416
SNP_P1_44285_34806050	NC_021162.1	Ca_kabuli_chr03	34806050	TT	AA	1940170419
SNP_P1_44286_34806108	NC_021162.1	Ca_kabuli_chr03	34806108	TT	CC	1940170421
SNP_P1_44287_34806110	NC_021162.1	Ca_kabuli_chr03	34806110	AA	GG	1940170423
SNP_P1_44288_34806145	NC_021162.1	Ca_kabuli_chr03	34806145	CC	TT	1940170425

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44291_34807548	NC_021162.1	Ca_kabuli_chr03	34807548	TT	CC	1940170430
SNP_P1_44293_34808218	NC_021162.1	Ca_kabuli_chr03	34808218	TT	CC	1940170432
SNP_P1_44294_34808219	NC_021162.1	Ca_kabuli_chr03	34808219	TT	GG	1940170434
SNP_P1_44295_34808424	NC_021162.1	Ca_kabuli_chr03	34808424	AA	GG	1940170436
SNP_P1_44296_34808442	NC_021162.1	Ca_kabuli_chr03	34808442	TT	CC	1940170438
SNP_P1_44297_34808771	NC_021162.1	Ca_kabuli_chr03	34808771	TT	AA	1940170440
SNP_P1_44299_34809061	NC_021162.1	Ca_kabuli_chr03	34809061	AA	TT	1940170443
SNP_P1_44301_34809576	NC_021162.1	Ca_kabuli_chr03	34809576	TT	GG	1940170445
SNP_P1_44302_34809692	NC_021162.1	Ca_kabuli_chr03	34809692	GG	AA	1940170447
SNP_P1_44303_34809732	NC_021162.1	Ca_kabuli_chr03	34809732	AA	TT	1940170449
SNP_P1_44304_34809733	NC_021162.1	Ca_kabuli_chr03	34809733	AA	TT	1940170451
SNP_P1_44305_34809736	NC_021162.1	Ca_kabuli_chr03	34809736	GG	AA	1940170453
SNP_P1_44306_34809747	NC_021162.1	Ca_kabuli_chr03	34809747	CC	TT	1940170455
SNP_P1_44307_34809892	NC_021162.1	Ca_kabuli_chr03	34809892	CC	AA	1940170457
SNP_P1_44308_34809897	NC_021162.1	Ca_kabuli_chr03	34809897	TT	AA	1940170459
SNP_P1_44309_34809902	NC_021162.1	Ca_kabuli_chr03	34809902	AA	GG	1940170462
SNP_P1_44310_34809960	NC_021162.1	Ca_kabuli_chr03	34809960	CC	TT	1940170464
SNP_P1_44311_34809961	NC_021162.1	Ca_kabuli_chr03	34809961	AA	GG	1940170466
SNP_P1_44312_34810063	NC_021162.1	Ca_kabuli_chr03	34810063	GG	AA	1940170468
SNP_P1_44313_34810136	NC_021162.1	Ca_kabuli_chr03	34810136	AA	TT	1940170470
SNP_P1_44314_34810137	NC_021162.1	Ca_kabuli_chr03	34810137	GG	AA	1940170472
SNP_P1_44315_34810138	NC_021162.1	Ca_kabuli_chr03	34810138	TT	CC	1940170474
SNP_P1_44316_34810144	NC_021162.1	Ca_kabuli_chr03	34810144	TT	GG	1940170476
SNP_P1_44317_34810175	NC_021162.1	Ca_kabuli_chr03	34810175	CC	TT	1940170478
SNP_P1_44318_34810407	NC_021162.1	Ca_kabuli_chr03	34810407	AA	CC	1940170480
SNP_P1_44319_34814090	NC_021162.1	Ca_kabuli_chr03	34814090	TT	GG	1940170482
SNP_P1_44320_34814393	NC_021162.1	Ca_kabuli_chr03	34814393	GG	AA	1940170485
SNP_P1_44321_34814471	NC_021162.1	Ca_kabuli_chr03	34814471	TT	CC	1940170487
SNP_P1_44322_34814476	NC_021162.1	Ca_kabuli_chr03	34814476	CC	AA	1940170489
SNP_P1_44323_34814532	NC_021162.1	Ca_kabuli_chr03	34814532	GG	AA	1940170491
SNP_P1_44324_34814553	NC_021162.1	Ca_kabuli_chr03	34814553	TT	AA	1940170494
SNP_P1_44325_34814554	NC_021162.1	Ca_kabuli_chr03	34814554	AA	GG	1940170496
SNP_P1_44326_34814675	NC_021162.1	Ca_kabuli_chr03	34814675	CC	GG	1940170498
SNP_P1_44327_34815028	NC_021162.1	Ca_kabuli_chr03	34815028	CC	TT	1940170500
SNP_P1_44328_34815172	NC_021162.1	Ca_kabuli_chr03	34815172	GG	TT	1940170502
SNP_P1_44330_34817613	NC_021162.1	Ca_kabuli_chr03	34817613	TT	GG	1940170504
SNP_P1_44331_34818100	NC_021162.1	Ca_kabuli_chr03	34818100	GG	AA	1940170506
SNP_P1_44332_34818141	NC_021162.1	Ca_kabuli_chr03	34818141	TT	AA	1940170508
SNP_P1_44334_34819125	NC_021162.1	Ca_kabuli_chr03	34819125	AA	TT	1940170510
SNP_P1_44335_34819168	NC_021162.1	Ca_kabuli_chr03	34819168	TT	CC	1940170513
SNP_P1_44336_34819174	NC_021162.1	Ca_kabuli_chr03	34819174	AA	CC	1940170515

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44339_34824869	NC_021162.1	Ca_kabuli_chr03	34824869	AA	GG	1940170519
SNP_P1_44340_34825340	NC_021162.1	Ca_kabuli_chr03	34825340	GG	CC	1940170521
SNP_P1_44342_34827383	NC_021162.1	Ca_kabuli_chr03	34827383	GG	AA	1940170523
SNP_P1_44343_34827430	NC_021162.1	Ca_kabuli_chr03	34827430	CC	TT	1940170525
SNP_P1_44344_34827638	NC_021162.1	Ca_kabuli_chr03	34827638	GG	TT	1940170527
SNP_P1_44345_34827653	NC_021162.1	Ca_kabuli_chr03	34827653	AA	GG	1940170530
SNP_P1_44346_34827656	NC_021162.1	Ca_kabuli_chr03	34827656	CC	TT	1940170532
SNP_P1_44347_34827660	NC_021162.1	Ca_kabuli_chr03	34827660	CC	TT	1940170534
SNP_P1_44348_34827702	NC_021162.1	Ca_kabuli_chr03	34827702	TT	CC	1940170536
SNP_P1_44349_34827964	NC_021162.1	Ca_kabuli_chr03	34827964	CC	AA	1940170539
SNP_P1_44350_34827989	NC_021162.1	Ca_kabuli_chr03	34827989	TT	CC	1940170541
SNP_P1_44351_34830220	NC_021162.1	Ca_kabuli_chr03	34830220	TT	CC	1940170543
SNP_P1_44352_34830556	NC_021162.1	Ca_kabuli_chr03	34830556	AA	GG	1940170546
SNP_P1_44353_34830668	NC_021162.1	Ca_kabuli_chr03	34830668	CC	TT	1940170548
SNP_P1_44354_34831685	NC_021162.1	Ca_kabuli_chr03	34831685	TT	CC	1940170550
SNP_P1_44355_34831709	NC_021162.1	Ca_kabuli_chr03	34831709	TT	AA	1940170552
SNP_P1_44356_34833162	NC_021162.1	Ca_kabuli_chr03	34833162	AA	TT	1940170554
SNP_P1_44357_34833208	NC_021162.1	Ca_kabuli_chr03	34833208	AA	GG	1940170557
SNP_P1_44358_34833244	NC_021162.1	Ca_kabuli_chr03	34833244	GG	TT	1940170559
SNP_P1_44359_34833260	NC_021162.1	Ca_kabuli_chr03	34833260	TT	CC	1940170561
SNP_P1_44360_34833280	NC_021162.1	Ca_kabuli_chr03	34833280	AA	TT	1940170563
SNP_P1_44361_34833287	NC_021162.1	Ca_kabuli_chr03	34833287	GG	CC	1940170565
SNP_P1_44362_34834777	NC_021162.1	Ca_kabuli_chr03	34834777	GG	AA	1940170567
SNP_P1_44363_34834985	NC_021162.1	Ca_kabuli_chr03	34834985	AA	GG	1940170570
SNP_P1_44364_34835115	NC_021162.1	Ca_kabuli_chr03	34835115	TT	CC	1940170572
SNP_P1_44365_34835143	NC_021162.1	Ca_kabuli_chr03	34835143	TT	AA	1940170574
SNP_P1_44366_34835145	NC_021162.1	Ca_kabuli_chr03	34835145	TT	AA	1940170576
SNP_P1_44367_34835362	NC_021162.1	Ca_kabuli_chr03	34835362	AA	GG	1940170578
SNP_P1_44369_34835450	NC_021162.1	Ca_kabuli_chr03	34835450	CC	GG	1940170581
SNP_P1_44370_34835659	NC_021162.1	Ca_kabuli_chr03	34835659	AA	GG	1940170583
SNP_P1_44371_34835690	NC_021162.1	Ca_kabuli_chr03	34835690	TT	AA	1940170585
SNP_P1_44372_34835693	NC_021162.1	Ca_kabuli_chr03	34835693	CC	TT	1940170587
SNP_P1_44373_34835694	NC_021162.1	Ca_kabuli_chr03	34835694	CC	TT	1940170589
SNP_P1_44374_34836927	NC_021162.1	Ca_kabuli_chr03	34836927	GG	CC	1940170591
SNP_P1_44376_34836978	NC_021162.1	Ca_kabuli_chr03	34836978	CC	GG	1940170593
SNP_P1_44377_34839817	NC_021162.1	Ca_kabuli_chr03	34839817	TT	CC	1940170596
SNP_P1_44379_34840835	NC_021162.1	Ca_kabuli_chr03	34840835	CC	TT	1940170598
SNP_P1_44380_34842224	NC_021162.1	Ca_kabuli_chr03	34842224	CC	AA	1940170600
SNP_P1_44381_34842683	NC_021162.1	Ca_kabuli_chr03	34842683	TT	CC	1940170602
SNP_P1_44382_34843351	NC_021162.1	Ca_kabuli_chr03	34843351	GG	TT	1940170604
SNP_P1_44383_34845002	NC_021162.1	Ca_kabuli_chr03	34845002	AA	TT	1940170607

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44386_34845419	NC_021162.1	Ca_kabuli_chr03	34845419	AA	GG	1940170611
SNP_P1_44387_34845585	NC_021162.1	Ca_kabuli_chr03	34845585	TT	CC	1940170613
SNP_P1_44388_34847320	NC_021162.1	Ca_kabuli_chr03	34847320	TT	GG	1940170616
SNP_P1_44390_34847657	NC_021162.1	Ca_kabuli_chr03	34847657	AA	CC	1940170618
SNP_P1_44391_34847665	NC_021162.1	Ca_kabuli_chr03	34847665	CC	TT	1940170620
SNP_P1_44392_34847701	NC_021162.1	Ca_kabuli_chr03	34847701	GG	AA	1940170622
SNP_P1_44393_34847717	NC_021162.1	Ca_kabuli_chr03	34847717	TT	GG	1940170624
SNP_P1_44394_34847728	NC_021162.1	Ca_kabuli_chr03	34847728	TT	CC	1940170626
SNP_P1_44397_34847865	NC_021162.1	Ca_kabuli_chr03	34847865	GG	AA	1940170628
SNP_P1_44398_34847971	NC_021162.1	Ca_kabuli_chr03	34847971	TT	CC	1940170630
SNP_P1_44399_34848031	NC_021162.1	Ca_kabuli_chr03	34848031	TT	CC	1940170632
SNP_P1_44400_34848137	NC_021162.1	Ca_kabuli_chr03	34848137	TT	AA	1940170634
SNP_P1_44402_34849248	NC_021162.1	Ca_kabuli_chr03	34849248	TT	CC	1940170636
SNP_P1_44403_34849311	NC_021162.1	Ca_kabuli_chr03	34849311	AA	GG	1940170639
SNP_P1_44404_34849420	NC_021162.1	Ca_kabuli_chr03	34849420	GG	AA	1940170641
SNP_P1_44406_34849532	NC_021162.1	Ca_kabuli_chr03	34849532	AA	TT	1940170643
SNP_P1_44407_34849558	NC_021162.1	Ca_kabuli_chr03	34849558	CC	TT	1940170645
SNP_P1_44408_34849756	NC_021162.1	Ca_kabuli_chr03	34849756	CC	GG	1940170647
SNP_P1_44409_34849970	NC_021162.1	Ca_kabuli_chr03	34849970	AA	GG	1940170649
SNP_P1_44411_34850925	NC_021162.1	Ca_kabuli_chr03	34850925	CC	AA	1940170651
SNP_P1_44412_34850940	NC_021162.1	Ca_kabuli_chr03	34850940	CC	TT	1940170653
SNP_P1_44413_34850982	NC_021162.1	Ca_kabuli_chr03	34850982	CC	AA	1940170656
SNP_P1_44414_34851160	NC_021162.1	Ca_kabuli_chr03	34851160	AA	GG	1940170658
SNP_P1_44416_34851184	NC_021162.1	Ca_kabuli_chr03	34851184	AA	GG	1940170660
SNP_P1_44417_34851283	NC_021162.1	Ca_kabuli_chr03	34851283	CC	TT	1940170662
SNP_P1_44419_34851365	NC_021162.1	Ca_kabuli_chr03	34851365	CC	TT	1940170664
SNP_P1_44420_34851374	NC_021162.1	Ca_kabuli_chr03	34851374	GG	TT	1940170666
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SNP_P1_44422_34851435	NC_021162.1	Ca_kabuli_chr03	34851435	CC	GG	1940170670
SNP_P1_44423_34851809	NC_021162.1	Ca_kabuli_chr03	34851809	TT	CC	1940170672
SNP_P1_44424_34851843	NC_021162.1	Ca_kabuli_chr03	34851843	GG	AA	1940170675
SNP_P1_44426_34852030	NC_021162.1	Ca_kabuli_chr03	34852030	GG	AA	1940170677
SNP_P1_44428_34852070	NC_021162.1	Ca_kabuli_chr03	34852070	TT	GG	1940170679
SNP_P1_44429_34852376	NC_021162.1	Ca_kabuli_chr03	34852376	TT	GG	1940170681
SNP_P1_44431_34852420	NC_021162.1	Ca_kabuli_chr03	34852420	AA	TT	1940170683
SNP_P1_44432_34852450	NC_021162.1	Ca_kabuli_chr03	34852450	GG	TT	1940170685
SNP_P1_44433_34852960	NC_021162.1	Ca_kabuli_chr03	34852960	TT	CC	1940170687
SNP_P1_44434_34852961	NC_021162.1	Ca_kabuli_chr03	34852961	GG	AA	1940170689
SNP_P1_44435_34854107	NC_021162.1	Ca_kabuli_chr03	34854107	AA	CC	1940170691
SNP_P1_44436_34854140	NC_021162.1	Ca_kabuli_chr03	34854140	TT	AA	1940170693
SNP_P1_44437_34855412	NC_021162.1	Ca_kabuli_chr03	34855412	GG	AA	1940170695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44442_34857152	NC_021162.1	Ca_kabuli_chr03	34857152	AA	GG	1940170702
SNP_P1_44443_34857170	NC_021162.1	Ca_kabuli_chr03	34857170	CC	GG	1940170704
SNP_P1_44444_34857171	NC_021162.1	Ca_kabuli_chr03	34857171	AA	GG	1940170706
SNP_P1_44445_34857233	NC_021162.1	Ca_kabuli_chr03	34857233	GG	AA	1940170708
SNP_P1_44446_34857452	NC_021162.1	Ca_kabuli_chr03	34857452	TT	CC	1940170710
SNP_P1_44447_34857582	NC_021162.1	Ca_kabuli_chr03	34857582	AA	GG	1940170712
SNP_P1_44448_34857674	NC_021162.1	Ca_kabuli_chr03	34857674	TT	GG	1940170714
SNP_P1_44449_34857797	NC_021162.1	Ca_kabuli_chr03	34857797	CC	AA	1940170716
SNP_P1_44450_34857857	NC_021162.1	Ca_kabuli_chr03	34857857	AA	GG	1940170718
SNP_P1_44451_34857939	NC_021162.1	Ca_kabuli_chr03	34857939	TT	AA	1940170720
SNP_P1_44452_34858324	NC_021162.1	Ca_kabuli_chr03	34858324	GG	CC	1940170722
SNP_P1_44453_34858381	NC_021162.1	Ca_kabuli_chr03	34858381	GG	TT	1940170725
SNP_P1_44454_34858555	NC_021162.1	Ca_kabuli_chr03	34858555	CC	TT	1940170727
SNP_P1_44455_34858571	NC_021162.1	Ca_kabuli_chr03	34858571	AA	GG	1940170729
SNP_P1_44456_34858598	NC_021162.1	Ca_kabuli_chr03	34858598	TT	CC	1940170731
SNP_P1_44457_34858756	NC_021162.1	Ca_kabuli_chr03	34858756	AA	TT	1940170733
SNP_P1_44458_34858778	NC_021162.1	Ca_kabuli_chr03	34858778	AA	TT	1940170735
SNP_P1_44459_34858804	NC_021162.1	Ca_kabuli_chr03	34858804	AA	TT	1940170737
SNP_P1_44460_34859336	NC_021162.1	Ca_kabuli_chr03	34859336	GG	AA	1940170739
SNP_P1_44461_34859657	NC_021162.1	Ca_kabuli_chr03	34859657	CC	TT	1940170741
SNP_P1_44462_34861525	NC_021162.1	Ca_kabuli_chr03	34861525	TT	GG	1940170744
SNP_P1_44463_34862346	NC_021162.1	Ca_kabuli_chr03	34862346	CC	TT	1940170746
SNP_P1_44464_34862617	NC_021162.1	Ca_kabuli_chr03	34862617	CC	TT	1940170748
SNP_P1_44465_34865494	NC_021162.1	Ca_kabuli_chr03	34865494	CC	TT	1940170750
SNP_P1_44467_34866642	NC_021162.1	Ca_kabuli_chr03	34866642	AA	GG	1940170752
SNP_P1_44468_34866927	NC_021162.1	Ca_kabuli_chr03	34866927	GG	TT	1940170754
SNP_P1_44470_34867042	NC_021162.1	Ca_kabuli_chr03	34867042	CC	TT	1940170756
SNP_P1_44471_34867119	NC_021162.1	Ca_kabuli_chr03	34867119	AA	GG	1940170758
SNP_P1_44472_34867146	NC_021162.1	Ca_kabuli_chr03	34867146	TT	AA	1940170760
SNP_P1_44473_34868587	NC_021162.1	Ca_kabuli_chr03	34868587	TT	AA	1940170762
SNP_P1_44474_34868652	NC_021162.1	Ca_kabuli_chr03	34868652	AA	GG	1940170765
SNP_P1_44475_34868689	NC_021162.1	Ca_kabuli_chr03	34868689	AA	GG	1940170766
SNP_P1_44476_34868699	NC_021162.1	Ca_kabuli_chr03	34868699	TT	CC	1940170769
SNP_P1_44477_34869001	NC_021162.1	Ca_kabuli_chr03	34869001	TT	CC	1940170771
SNP_P1_44478_34869196	NC_021162.1	Ca_kabuli_chr03	34869196	AA	GG	1940170773
SNP_P1_44479_34869202	NC_021162.1	Ca_kabuli_chr03	34869202	GG	TT	1940170775
SNP_P1_44480_34869209	NC_021162.1	Ca_kabuli_chr03	34869209	TT	CC	1940170777
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SNP_P1_44483_34869880	NC_021162.1	Ca_kabuli_chr03	34869880	AA	CC	1940170781
SNP_P1_44484_34869899	NC_021162.1	Ca_kabuli_chr03	34869899	TT	AA	1940170783

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44486_34870087	NC_021162.1	Ca_kabuli_chr03	34870087	TT	CC	1940170788
SNP_P1_44487_34870410	NC_021162.1	Ca_kabuli_chr03	34870410	AA	TT	1940170790
SNP_P1_44488_34870423	NC_021162.1	Ca_kabuli_chr03	34870423	GG	AA	1940170792
SNP_P1_44489_34870435	NC_021162.1	Ca_kabuli_chr03	34870435	AA	GG	1940170794
SNP_P1_44490_34870462	NC_021162.1	Ca_kabuli_chr03	34870462	CC	TT	1940170796
SNP_P1_44491_34870812	NC_021162.1	Ca_kabuli_chr03	34870812	TT	CC	1940170798
SNP_P1_44492_34870998	NC_021162.1	Ca_kabuli_chr03	34870998	AA	GG	1940170800
SNP_P1_44493_34871030	NC_021162.1	Ca_kabuli_chr03	34871030	AA	GG	1940170802
SNP_P1_44494_34871143	NC_021162.1	Ca_kabuli_chr03	34871143	TT	CC	1940170804
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SNP_P1_44496_34871681	NC_021162.1	Ca_kabuli_chr03	34871681	TT	CC	1940170809
SNP_P1_44497_34871693	NC_021162.1	Ca_kabuli_chr03	34871693	AA	GG	1940170811
SNP_P1_44498_34871941	NC_021162.1	Ca_kabuli_chr03	34871941	AA	GG	1940170813
SNP_P1_44499_34871998	NC_021162.1	Ca_kabuli_chr03	34871998	CC	TT	1940170815
SNP_P1_44500_34871999	NC_021162.1	Ca_kabuli_chr03	34871999	CC	GG	1940170817
SNP_P1_44501_34872001	NC_021162.1	Ca_kabuli_chr03	34872001	TT	CC	1940170819
SNP_P1_44502_34872207	NC_021162.1	Ca_kabuli_chr03	34872207	CC	TT	1940170821
SNP_P1_44503_34872225	NC_021162.1	Ca_kabuli_chr03	34872225	GG	TT	1940170823
SNP_P1_44504_34872485	NC_021162.1	Ca_kabuli_chr03	34872485	AA	GG	1940170825
SNP_P1_44505_34872514	NC_021162.1	Ca_kabuli_chr03	34872514	CC	TT	1940170828
SNP_P1_44506_34872518	NC_021162.1	Ca_kabuli_chr03	34872518	CC	TT	1940170830
SNP_P1_44508_34873488	NC_021162.1	Ca_kabuli_chr03	34873488	CC	TT	1940170832
SNP_P1_44509_34873489	NC_021162.1	Ca_kabuli_chr03	34873489	AA	TT	1940170834
SNP_P1_44511_34874518	NC_021162.1	Ca_kabuli_chr03	34874518	AA	GG	1940170836
SNP_P1_44512_34874730	NC_021162.1	Ca_kabuli_chr03	34874730	AA	TT	1940170838
SNP_P1_44513_34874750	NC_021162.1	Ca_kabuli_chr03	34874750	GG	AA	1940170840
SNP_P1_44514_34874767	NC_021162.1	Ca_kabuli_chr03	34874767	AA	GG	1940170842
SNP_P1_44515_34874769	NC_021162.1	Ca_kabuli_chr03	34874769	TT	CC	1940170844
SNP_P1_44516_34874790	NC_021162.1	Ca_kabuli_chr03	34874790	AA	GG	1940170847
SNP_P1_44517_34874793	NC_021162.1	Ca_kabuli_chr03	34874793	GG	AA	1940170849
SNP_P1_44518_34874794	NC_021162.1	Ca_kabuli_chr03	34874794	GG	AA	1940170851
SNP_P1_44519_34874866	NC_021162.1	Ca_kabuli_chr03	34874866	CC	TT	1940170853
SNP_P1_44520_34875572	NC_021162.1	Ca_kabuli_chr03	34875572	CC	TT	1940170855
SNP_P1_44521_34877658	NC_021162.1	Ca_kabuli_chr03	34877658	AA	CC	1940170857
SNP_P1_44523_34877904	NC_021162.1	Ca_kabuli_chr03	34877904	TT	CC	1940170859
SNP_P1_44525_34878371	NC_021162.1	Ca_kabuli_chr03	34878371	AA	TT	1940170862
SNP_P1_44526_34878389	NC_021162.1	Ca_kabuli_chr03	34878389	CC	TT	1940170864
SNP_P1_44527_34879418	NC_021162.1	Ca_kabuli_chr03	34879418	GG	AA	1940170866
SNP_P1_44528_34879468	NC_021162.1	Ca_kabuli_chr03	34879468	AA	GG	1940170868
SNP_P1_44530_34879584	NC_021162.1	Ca_kabuli_chr03	34879584	TT	AA	1940170870
SNP_P1_44531_34879673	NC_021162.1	Ca_kabuli_chr03	34879673	TT	CC	1940170872

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44533_34879895	NC_021162.1	Ca_kabuli_chr03	34879895	AA	GG	1940170876
SNP_P1_44534_34880299	NC_021162.1	Ca_kabuli_chr03	34880299	AA	GG	1940170878
SNP_P1_44535_34880448	NC_021162.1	Ca_kabuli_chr03	34880448	TT	AA	1940170881
SNP_P1_44536_34881499	NC_021162.1	Ca_kabuli_chr03	34881499	CC	GG	1940170883
SNP_P1_44538_34881689	NC_021162.1	Ca_kabuli_chr03	34881689	CC	AA	1940170885
SNP_P1_44539_34881728	NC_021162.1	Ca_kabuli_chr03	34881728	TT	CC	1940170887
SNP_P1_44540_34881778	NC_021162.1	Ca_kabuli_chr03	34881778	TT	CC	1940170889
SNP_P1_44541_34882036	NC_021162.1	Ca_kabuli_chr03	34882036	TT	CC	1940170891
SNP_P1_44542_34882387	NC_021162.1	Ca_kabuli_chr03	34882387	TT	GG	1940170893
SNP_P1_44543_34882696	NC_021162.1	Ca_kabuli_chr03	34882696	CC	TT	1940170895
SNP_P1_44544_34883008	NC_021162.1	Ca_kabuli_chr03	34883008	GG	TT	1940170897
SNP_P1_44545_34884861	NC_021162.1	Ca_kabuli_chr03	34884861	AA	TT	1940170899
SNP_P1_44546_34884891	NC_021162.1	Ca_kabuli_chr03	34884891	AA	GG	1940170902
SNP_P1_44547_34885139	NC_021162.1	Ca_kabuli_chr03	34885139	TT	CC	1940170904
SNP_P1_44548_34885547	NC_021162.1	Ca_kabuli_chr03	34885547	AA	TT	1940170906
SNP_P1_44549_34885677	NC_021162.1	Ca_kabuli_chr03	34885677	GG	AA	1940170908
SNP_P1_44550_34885784	NC_021162.1	Ca_kabuli_chr03	34885784	CC	GG	1940170910
SNP_P1_44551_34885833	NC_021162.1	Ca_kabuli_chr03	34885833	AA	CC	1940170912
SNP_P1_44552_34885870	NC_021162.1	Ca_kabuli_chr03	34885870	GG	AA	1940170914
SNP_P1_44554_34886287	NC_021162.1	Ca_kabuli_chr03	34886287	GG	AA	1940170916
SNP_P1_44555_34886442	NC_021162.1	Ca_kabuli_chr03	34886442	CC	AA	1940170918
SNP_P1_44557_34886827	NC_021162.1	Ca_kabuli_chr03	34886827	TT	AA	1940170921
SNP_P1_44558_34886860	NC_021162.1	Ca_kabuli_chr03	34886860	AA	TT	1940170923
SNP_P1_44559_34886876	NC_021162.1	Ca_kabuli_chr03	34886876	GG	TT	1940170925
SNP_P1_44560_34886898	NC_021162.1	Ca_kabuli_chr03	34886898	AA	CC	1940170927
SNP_P1_44561_34886950	NC_021162.1	Ca_kabuli_chr03	34886950	AA	GG	1940170929
SNP_P1_44562_34886958	NC_021162.1	Ca_kabuli_chr03	34886958	GG	TT	1940170931
SNP_P1_44563_34887042	NC_021162.1	Ca_kabuli_chr03	34887042	CC	TT	1940170933
SNP_P1_44564_34887362	NC_021162.1	Ca_kabuli_chr03	34887362	AA	TT	1940170935
SNP_P1_44566_34887552	NC_021162.1	Ca_kabuli_chr03	34887552	GG	AA	1940170937
SNP_P1_44567_34887561	NC_021162.1	Ca_kabuli_chr03	34887561	AA	GG	1940170939
SNP_P1_44568_34887670	NC_021162.1	Ca_kabuli_chr03	34887670	GG	AA	1940170941
SNP_P1_44569_34887857	NC_021162.1	Ca_kabuli_chr03	34887857	TT	AA	1940170944
SNP_P1_44570_34890235	NC_021162.1	Ca_kabuli_chr03	34890235	CC	AA	1940170946
SNP_P1_44571_34890243	NC_021162.1	Ca_kabuli_chr03	34890243	TT	CC	1940170948
SNP_P1_44572_34890261	NC_021162.1	Ca_kabuli_chr03	34890261	TT	CC	1940170950
SNP_P1_44573_34890490	NC_021162.1	Ca_kabuli_chr03	34890490	GG	AA	1940170952
SNP_P1_44574_34892453	NC_021162.1	Ca_kabuli_chr03	34892453	GG	CC	1940170954
SNP_P1_44575_34892557	NC_021162.1	Ca_kabuli_chr03	34892557	GG	AA	1940170956
SNP_P1_44577_34892825	NC_021162.1	Ca_kabuli_chr03	34892825	GG	TT	1940170958
SNP_P1_44578_34893446	NC_021162.1	Ca_kabuli_chr03	34893446	TT	AA	1940170961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44581_34895111	NC_021162.1	Ca_kabuli_chr03	34895111	GG	AA	1940170965
SNP_P1_44582_34895123	NC_021162.1	Ca_kabuli_chr03	34895123	AA	GG	1940170967
SNP_P1_44583_34895707	NC_021162.1	Ca_kabuli_chr03	34895707	AA	TT	1940170969
SNP_P1_44584_34895710	NC_021162.1	Ca_kabuli_chr03	34895710	AA	GG	1940170971
SNP_P1_44585_34895718	NC_021162.1	Ca_kabuli_chr03	34895718	AA	CC	1940170973
SNP_P1_44586_34895719	NC_021162.1	Ca_kabuli_chr03	34895719	CC	GG	1940170975
SNP_P1_44587_34895739	NC_021162.1	Ca_kabuli_chr03	34895739	AA	GG	1940170977
SNP_P1_44589_34896767	NC_021162.1	Ca_kabuli_chr03	34896767	GG	CC	1940170979
SNP_P1_44590_34896806	NC_021162.1	Ca_kabuli_chr03	34896806	TT	CC	1940170981
SNP_P1_44591_34896819	NC_021162.1	Ca_kabuli_chr03	34896819	AA	TT	1940170983
SNP_P1_44592_34897005	NC_021162.1	Ca_kabuli_chr03	34897005	CC	TT	1940170985
SNP_P1_44593_34897006	NC_021162.1	Ca_kabuli_chr03	34897006	CC	TT	1940170987
SNP_P1_44595_34898199	NC_021162.1	Ca_kabuli_chr03	34898199	GG	AA	1940170989
SNP_P1_44596_34898641	NC_021162.1	Ca_kabuli_chr03	34898641	AA	CC	1940170991
SNP_P1_44597_34899023	NC_021162.1	Ca_kabuli_chr03	34899023	CC	AA	1940170994
SNP_P1_44598_34899035	NC_021162.1	Ca_kabuli_chr03	34899035	TT	GG	1940170996
SNP_P1_44599_34899040	NC_021162.1	Ca_kabuli_chr03	34899040	AA	GG	1940170998
SNP_P1_44600_34899056	NC_021162.1	Ca_kabuli_chr03	34899056	TT	CC	1940171000
SNP_P1_44601_34899280	NC_021162.1	Ca_kabuli_chr03	34899280	TT	CC	1940171002
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SNP_P1_44603_34899371	NC_021162.1	Ca_kabuli_chr03	34899371	TT	GG	1940171006
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SNP_P1_44605_34899748	NC_021162.1	Ca_kabuli_chr03	34899748	AA	CC	1940171011
SNP_P1_44606_34899779	NC_021162.1	Ca_kabuli_chr03	34899779	CC	TT	1940171013
SNP_P1_44607_34899782	NC_021162.1	Ca_kabuli_chr03	34899782	GG	CC	1940171015
SNP_P1_44608_34899785	NC_021162.1	Ca_kabuli_chr03	34899785	TT	CC	1940171017
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SNP_P1_44610_34899812	NC_021162.1	Ca_kabuli_chr03	34899812	AA	GG	1940171021
SNP_P1_44611_34899813	NC_021162.1	Ca_kabuli_chr03	34899813	GG	AA	1940171023
SNP_P1_44612_34900041	NC_021162.1	Ca_kabuli_chr03	34900041	TT	CC	1940171025
SNP_P1_44613_34900285	NC_021162.1	Ca_kabuli_chr03	34900285	TT	GG	1940171028
SNP_P1_44614_34900566	NC_021162.1	Ca_kabuli_chr03	34900566	GG	AA	1940171030
SNP_P1_44615_34900567	NC_021162.1	Ca_kabuli_chr03	34900567	CC	TT	1940171032
SNP_P1_44616_34900585	NC_021162.1	Ca_kabuli_chr03	34900585	TT	AA	1940171034
SNP_P1_44617_34900589	NC_021162.1	Ca_kabuli_chr03	34900589	TT	AA	1940171036
SNP_P1_44618_34900605	NC_021162.1	Ca_kabuli_chr03	34900605	TT	CC	1940171038
SNP_P1_44619_34900636	NC_021162.1	Ca_kabuli_chr03	34900636	TT	AA	1940171040
SNP_P1_44620_34900908	NC_021162.1	Ca_kabuli_chr03	34900908	CC	AA	1940171042
SNP_P1_44621_34900909	NC_021162.1	Ca_kabuli_chr03	34900909	AA	GG	1940171044
SNP_P1_44623_34901480	NC_021162.1	Ca_kabuli_chr03	34901480	TT	CC	1940171047
SNP_P1_44626_34901576	NC_021162.1	Ca_kabuli_chr03	34901576	GG	TT	1940171049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44629_34903033	NC_021162.1	Ca_kabuli_chr03	34903033	GG	AA	1940171055
SNP_P1_44630_34903725	NC_021162.1	Ca_kabuli_chr03	34903725	GG	AA	1940171057
SNP_P1_44632_34904906	NC_021162.1	Ca_kabuli_chr03	34904906	GG	CC	1940171059
SNP_P1_44633_34906053	NC_021162.1	Ca_kabuli_chr03	34906053	AA	GG	1940171061
SNP_P1_44635_34909507	NC_021162.1	Ca_kabuli_chr03	34909507	CC	GG	1940171063
SNP_P1_44636_34909521	NC_021162.1	Ca_kabuli_chr03	34909521	TT	AA	1940171065
SNP_P1_44637_34909529	NC_021162.1	Ca_kabuli_chr03	34909529	AA	TT	1940171067
SNP_P1_44638_34909573	NC_021162.1	Ca_kabuli_chr03	34909573	CC	TT	1940171070
SNP_P1_44639_34909593	NC_021162.1	Ca_kabuli_chr03	34909593	GG	AA	1940171072
SNP_P1_44640_34909594	NC_021162.1	Ca_kabuli_chr03	34909594	AA	GG	1940171074
SNP_P1_44641_34909729	NC_021162.1	Ca_kabuli_chr03	34909729	AA	TT	1940171076
SNP_P1_44642_34910593	NC_021162.1	Ca_kabuli_chr03	34910593	AA	GG	1940171078
SNP_P1_44643_34910821	NC_021162.1	Ca_kabuli_chr03	34910821	TT	GG	1940171080
SNP_P1_44644_34910912	NC_021162.1	Ca_kabuli_chr03	34910912	TT	AA	1940171082
SNP_P1_44646_34911621	NC_021162.1	Ca_kabuli_chr03	34911621	GG	AA	1940171084
SNP_P1_44648_34912105	NC_021162.1	Ca_kabuli_chr03	34912105	AA	TT	1940171086
SNP_P1_44649_34912106	NC_021162.1	Ca_kabuli_chr03	34912106	AA	TT	1940171088
SNP_P1_44650_34912108	NC_021162.1	Ca_kabuli_chr03	34912108	TT	GG	1940171090
SNP_P1_44651_34912377	NC_021162.1	Ca_kabuli_chr03	34912377	AA	GG	1940171092
SNP_P1_44652_34912420	NC_021162.1	Ca_kabuli_chr03	34912420	CC	TT	1940171094
SNP_P1_44653_34912421	NC_021162.1	Ca_kabuli_chr03	34912421	AA	GG	1940171097
SNP_P1_44654_34913464	NC_021162.1	Ca_kabuli_chr03	34913464	AA	TT	1940171099
SNP_P1_44655_34913508	NC_021162.1	Ca_kabuli_chr03	34913508	AA	GG	1940171101
SNP_P1_44656_34913650	NC_021162.1	Ca_kabuli_chr03	34913650	AA	GG	1940171103
SNP_P1_44661_34914648	NC_021162.1	Ca_kabuli_chr03	34914648	GG	AA	1940171105
SNP_P1_44662_34914652	NC_021162.1	Ca_kabuli_chr03	34914652	AA	GG	1940171107
SNP_P1_44663_34914900	NC_021162.1	Ca_kabuli_chr03	34914900	CC	TT	1940171109
SNP_P1_44664_34914905	NC_021162.1	Ca_kabuli_chr03	34914905	GG	TT	1940171112
SNP_P1_44665_34914951	NC_021162.1	Ca_kabuli_chr03	34914951	TT	CC	1940171114
SNP_P1_44666_34914957	NC_021162.1	Ca_kabuli_chr03	34914957	TT	CC	1940171116
SNP_P1_44667_34915195	NC_021162.1	Ca_kabuli_chr03	34915195	AA	GG	1940171118
SNP_P1_44668_34915222	NC_021162.1	Ca_kabuli_chr03	34915222	TT	CC	1940171120
SNP_P1_44669_34915314	NC_021162.1	Ca_kabuli_chr03	34915314	TT	AA	1940171122
SNP_P1_44670_34915335	NC_021162.1	Ca_kabuli_chr03	34915335	AA	TT	1940171124
SNP_P1_44671_34915585	NC_021162.1	Ca_kabuli_chr03	34915585	CC	TT	1940171126
SNP_P1_44673_34916126	NC_021162.1	Ca_kabuli_chr03	34916126	CC	TT	1940171128
SNP_P1_44674_34916804	NC_021162.1	Ca_kabuli_chr03	34916804	GG	CC	1940171130
SNP_P1_44675_34916846	NC_021162.1	Ca_kabuli_chr03	34916846	TT	CC	1940171132
SNP_P1_44677_34919103	NC_021162.1	Ca_kabuli_chr03	34919103	GG	AA	1940171135
SNP_P1_44678_34920713	NC_021162.1	Ca_kabuli_chr03	34920713	GG	AA	1940171137

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44680_34921334	NC_021162.1	Ca_kabuli_chr03	34921334	CC	GG	1940171141
SNP_P1_44681_34921378	NC_021162.1	Ca_kabuli_chr03	34921378	AA	TT	1940171143
SNP_P1_44682_34921565	NC_021162.1	Ca_kabuli_chr03	34921565	CC	TT	1940171145
SNP_P1_44683_34921679	NC_021162.1	Ca_kabuli_chr03	34921679	CC	GG	1940171147
SNP_P1_44684_34921846	NC_021162.1	Ca_kabuli_chr03	34921846	TT	CC	1940171149
SNP_P1_44685_34921926	NC_021162.1	Ca_kabuli_chr03	34921926	GG	TT	1940171151
SNP_P1_44686_34922349	NC_021162.1	Ca_kabuli_chr03	34922349	CC	TT	1940171153
SNP_P1_44688_34923642	NC_021162.1	Ca_kabuli_chr03	34923642	GG	AA	1940171155
SNP_P1_44689_34923688	NC_021162.1	Ca_kabuli_chr03	34923688	AA	GG	1940171157
SNP_P1_44690_34924000	NC_021162.1	Ca_kabuli_chr03	34924000	CC	TT	1940171159
SNP_P1_44691_34924864	NC_021162.1	Ca_kabuli_chr03	34924864	CC	TT	1940171161
SNP_P1_44692_34924923	NC_021162.1	Ca_kabuli_chr03	34924923	TT	CC	1940171164
SNP_P1_44694_34925289	NC_021162.1	Ca_kabuli_chr03	34925289	CC	TT	1940171166
SNP_P1_44695_34925616	NC_021162.1	Ca_kabuli_chr03	34925616	AA	TT	1940171168
SNP_P1_44696_34925798	NC_021162.1	Ca_kabuli_chr03	34925798	AA	GG	1940171170
SNP_P1_44697_34925817	NC_021162.1	Ca_kabuli_chr03	34925817	CC	AA	1940171172
SNP_P1_44698_34926156	NC_021162.1	Ca_kabuli_chr03	34926156	TT	CC	1940171174
SNP_P1_44699_34926189	NC_021162.1	Ca_kabuli_chr03	34926189	TT	AA	1940171176
SNP_P1_44700_34927339	NC_021162.1	Ca_kabuli_chr03	34927339	GG	TT	1940171178
SNP_P1_44701_34927527	NC_021162.1	Ca_kabuli_chr03	34927527	CC	TT	1940171180
SNP_P1_44702_34927895	NC_021162.1	Ca_kabuli_chr03	34927895	AA	CC	1940171182
SNP_P1_44703_34927945	NC_021162.1	Ca_kabuli_chr03	34927945	TT	AA	1940171184
SNP_P1_44704_34928847	NC_021162.1	Ca_kabuli_chr03	34928847	TT	GG	1940171187
SNP_P1_44705_34929153	NC_021162.1	Ca_kabuli_chr03	34929153	AA	TT	1940171189
SNP_P1_44706_34929855	NC_021162.1	Ca_kabuli_chr03	34929855	AA	TT	1940171191
SNP_P1_44707_34929858	NC_021162.1	Ca_kabuli_chr03	34929858	AA	TT	1940171193
SNP_P1_44708_34929863	NC_021162.1	Ca_kabuli_chr03	34929863	CC	GG	1940171195
SNP_P1_44709_34929866	NC_021162.1	Ca_kabuli_chr03	34929866	GG	AA	1940171197
SNP_P1_44710_34930524	NC_021162.1	Ca_kabuli_chr03	34930524	GG	AA	1940171199
SNP_P1_44713_34930893	NC_021162.1	Ca_kabuli_chr03	34930893	GG	AA	1940171201
SNP_P1_44715_34930940	NC_021162.1	Ca_kabuli_chr03	34930940	TT	GG	1940171204
SNP_P1_44716_34931027	NC_021162.1	Ca_kabuli_chr03	34931027	GG	CC	1940171206
SNP_P1_44717_34931044	NC_021162.1	Ca_kabuli_chr03	34931044	TT	GG	1940171208
SNP_P1_44719_34932973	NC_021162.1	Ca_kabuli_chr03	34932973	AA	GG	1940171210
SNP_P1_44721_34933665	NC_021162.1	Ca_kabuli_chr03	34933665	GG	TT	1940171212
SNP_P1_44722_34934610	NC_021162.1	Ca_kabuli_chr03	34934610	TT	CC	1940171214
SNP_P1_44723_34934643	NC_021162.1	Ca_kabuli_chr03	34934643	AA	GG	1940171216
SNP_P1_44724_34934828	NC_021162.1	Ca_kabuli_chr03	34934828	GG	CC	1940171218
SNP_P1_44725_34934871	NC_021162.1	Ca_kabuli_chr03	34934871	CC	GG	1940171220
SNP_P1_44726_34941936	NC_021162.1	Ca_kabuli_chr03	34941936	TT	GG	1940171222
SNP_P1_44727_34941988	NC_021162.1	Ca_kabuli_chr03	34941988	TT	CC	1940171225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44729_34942218	NC_021162.1	Ca_kabuli_chr03	34942218	GG	AA	1940171229
SNP_P1_44730_34942219	NC_021162.1	Ca_kabuli_chr03	34942219	AA	TT	1940171231
SNP_P1_44731_34942225	NC_021162.1	Ca_kabuli_chr03	34942225	CC	TT	1940171233
SNP_P1_44732_34942246	NC_021162.1	Ca_kabuli_chr03	34942246	TT	CC	1940171235
SNP_P1_44733_34942423	NC_021162.1	Ca_kabuli_chr03	34942423	GG	TT	1940171237
SNP_P1_44734_34942426	NC_021162.1	Ca_kabuli_chr03	34942426	CC	TT	1940171239
SNP_P1_44735_34942432	NC_021162.1	Ca_kabuli_chr03	34942432	AA	GG	1940171241
SNP_P1_44736_34942461	NC_021162.1	Ca_kabuli_chr03	34942461	CC	GG	1940171243
SNP_P1_44737_34942471	NC_021162.1	Ca_kabuli_chr03	34942471	TT	CC	1940171245
SNP_P1_44739_34942733	NC_021162.1	Ca_kabuli_chr03	34942733	AA	GG	1940171248
SNP_P1_44740_34942810	NC_021162.1	Ca_kabuli_chr03	34942810	TT	AA	1940171250
SNP_P1_44741_34943101	NC_021162.1	Ca_kabuli_chr03	34943101	TT	AA	1940171252
SNP_P1_44744_34943543	NC_021162.1	Ca_kabuli_chr03	34943543	GG	AA	1940171254
SNP_P1_44745_34943634	NC_021162.1	Ca_kabuli_chr03	34943634	GG	AA	1940171256
SNP_P1_44746_34943639	NC_021162.1	Ca_kabuli_chr03	34943639	TT	CC	1940171258
SNP_P1_44747_34943701	NC_021162.1	Ca_kabuli_chr03	34943701	CC	TT	1940171260
SNP_P1_44748_34943709	NC_021162.1	Ca_kabuli_chr03	34943709	GG	AA	1940171262
SNP_P1_44749_34943721	NC_021162.1	Ca_kabuli_chr03	34943721	CC	TT	1940171264
SNP_P1_44751_34943818	NC_021162.1	Ca_kabuli_chr03	34943818	CC	TT	1940171266
SNP_P1_44752_34943906	NC_021162.1	Ca_kabuli_chr03	34943906	CC	TT	1940171268
SNP_P1_44753_34943930	NC_021162.1	Ca_kabuli_chr03	34943930	CC	TT	1940171270
SNP_P1_44754_34944062	NC_021162.1	Ca_kabuli_chr03	34944062	AA	GG	1940171272
SNP_P1_44755_34944074	NC_021162.1	Ca_kabuli_chr03	34944074	TT	GG	1940171275
SNP_P1_44756_34944746	NC_021162.1	Ca_kabuli_chr03	34944746	AA	CC	1940171277
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SNP_P1_44760_34947649	NC_021162.1	Ca_kabuli_chr03	34947649	TT	AA	1940171281
SNP_P1_44761_34947672	NC_021162.1	Ca_kabuli_chr03	34947672	AA	TT	1940171283
SNP_P1_44762_34948386	NC_021162.1	Ca_kabuli_chr03	34948386	AA	GG	1940171285
SNP_P1_44763_34948468	NC_021162.1	Ca_kabuli_chr03	34948468	CC	TT	1940171287
SNP_P1_44764_34948469	NC_021162.1	Ca_kabuli_chr03	34948469	AA	GG	1940171289
SNP_P1_44765_34948634	NC_021162.1	Ca_kabuli_chr03	34948634	TT	AA	1940171291
SNP_P1_44766_34948663	NC_021162.1	Ca_kabuli_chr03	34948663	TT	CC	1940171293
SNP_P1_44767_34948702	NC_021162.1	Ca_kabuli_chr03	34948702	GG	CC	1940171295
SNP_P1_44769_34948913	NC_021162.1	Ca_kabuli_chr03	34948913	GG	AA	1940171298
SNP_P1_44770_34948951	NC_021162.1	Ca_kabuli_chr03	34948951	CC	TT	1940171300
SNP_P1_44771_34948966	NC_021162.1	Ca_kabuli_chr03	34948966	GG	TT	1940171302
SNP_P1_44772_34949035	NC_021162.1	Ca_kabuli_chr03	34949035	GG	AA	1940171304
SNP_P1_44773_34949127	NC_021162.1	Ca_kabuli_chr03	34949127	CC	TT	1940171306
SNP_P1_44774_34949215	NC_021162.1	Ca_kabuli_chr03	34949215	CC	TT	1940171308
SNP_P1_44775_34949225	NC_021162.1	Ca_kabuli_chr03	34949225	TT	CC	1940171310
SNP_P1_44776_34949235	NC_021162.1	Ca_kabuli_chr03	34949235	TT	CC	1940171312

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44778_34949298	NC_021162.1	Ca_kabuli_chr03	34949298	AA	TT	1940171317
SNP_P1_44780_34950066	NC_021162.1	Ca_kabuli_chr03	34950066	TT	CC	1940171319
SNP_P1_44781_34950269	NC_021162.1	Ca_kabuli_chr03	34950269	GG	AA	1940171321
SNP_P1_44782_34950358	NC_021162.1	Ca_kabuli_chr03	34950358	CC	GG	1940171323
SNP_P1_44783_34950594	NC_021162.1	Ca_kabuli_chr03	34950594	CC	TT	1940171325
SNP_P1_44784_34950609	NC_021162.1	Ca_kabuli_chr03	34950609	CC	TT	1940171327
SNP_P1_44785_34950754	NC_021162.1	Ca_kabuli_chr03	34950754	TT	CC	1940171329
SNP_P1_44786_34951040	NC_021162.1	Ca_kabuli_chr03	34951040	CC	TT	1940171331
SNP_P1_44787_34951089	NC_021162.1	Ca_kabuli_chr03	34951089	AA	TT	1940171333
SNP_P1_44788_34951144	NC_021162.1	Ca_kabuli_chr03	34951144	AA	TT	1940171335
SNP_P1_44789_34951430	NC_021162.1	Ca_kabuli_chr03	34951430	AA	GG	1940171337
SNP_P1_44790_34951752	NC_021162.1	Ca_kabuli_chr03	34951752	TT	CC	1940171340
SNP_P1_44791_34951753	NC_021162.1	Ca_kabuli_chr03	34951753	AA	GG	1940171342
SNP_P1_44792_34952033	NC_021162.1	Ca_kabuli_chr03	34952033	TT	GG	1940171344
SNP_P1_44793_34952034	NC_021162.1	Ca_kabuli_chr03	34952034	AA	GG	1940171346
SNP_P1_44794_34952047	NC_021162.1	Ca_kabuli_chr03	34952047	AA	TT	1940171348
SNP_P1_44795_34952055	NC_021162.1	Ca_kabuli_chr03	34952055	GG	AA	1940171350
SNP_P1_44796_34952062	NC_021162.1	Ca_kabuli_chr03	34952062	GG	AA	1940171352
SNP_P1_44797_34952069	NC_021162.1	Ca_kabuli_chr03	34952069	GG	CC	1940171354
SNP_P1_44798_34952552	NC_021162.1	Ca_kabuli_chr03	34952552	GG	AA	1940171357
SNP_P1_44799_34952561	NC_021162.1	Ca_kabuli_chr03	34952561	CC	TT	1940171359
SNP_P1_44800_34952562	NC_021162.1	Ca_kabuli_chr03	34952562	AA	GG	1940171361
SNP_P1_44801_34953480	NC_021162.1	Ca_kabuli_chr03	34953480	AA	CC	1940171363
SNP_P1_44802_34953522	NC_021162.1	Ca_kabuli_chr03	34953522	CC	TT	1940171365
SNP_P1_44803_34953651	NC_021162.1	Ca_kabuli_chr03	34953651	CC	TT	1940171367
SNP_P1_44804_34953873	NC_021162.1	Ca_kabuli_chr03	34953873	TT	AA	1940171369
SNP_P1_44807_34954316	NC_021162.1	Ca_kabuli_chr03	34954316	CC	GG	1940171372
SNP_P1_44808_34954583	NC_021162.1	Ca_kabuli_chr03	34954583	AA	TT	1940171374
SNP_P1_44809_34954978	NC_021162.1	Ca_kabuli_chr03	34954978	AA	GG	1940171376
SNP_P1_44810_34956330	NC_021162.1	Ca_kabuli_chr03	34956330	TT	CC	1940171378
SNP_P1_44811_34956347	NC_021162.1	Ca_kabuli_chr03	34956347	GG	AA	1940171380
SNP_P1_44812_34958688	NC_021162.1	Ca_kabuli_chr03	34958688	GG	AA	1940171382
SNP_P1_44813_34958800	NC_021162.1	Ca_kabuli_chr03	34958800	TT	CC	1940171384
SNP_P1_44815_34958921	NC_021162.1	Ca_kabuli_chr03	34958921	AA	CC	1940171386
SNP_P1_44816_34961267	NC_021162.1	Ca_kabuli_chr03	34961267	AA	GG	1940171388
SNP_P1_44817_34961269	NC_021162.1	Ca_kabuli_chr03	34961269	AA	GG	1940171390
SNP_P1_44818_34961304	NC_021162.1	Ca_kabuli_chr03	34961304	GG	TT	1940171392
SNP_P1_44819_34961314	NC_021162.1	Ca_kabuli_chr03	34961314	AA	GG	1940171395
SNP_P1_44820_34961455	NC_021162.1	Ca_kabuli_chr03	34961455	TT	AA	1940171397
SNP_P1_44821_34961477	NC_021162.1	Ca_kabuli_chr03	34961477	TT	AA	1940171399
SNP_P1_44822_34961494	NC_021162.1	Ca_kabuli_chr03	34961494	TT	GG	1940171401

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44824_34962460	NC_021162.1	Ca_kabuli_chr03	34962460	TT	CC	1940171405
SNP_P1_44826_34962535	NC_021162.1	Ca_kabuli_chr03	34962535	TT	AA	1940171407
SNP_P1_44827_34962596	NC_021162.1	Ca_kabuli_chr03	34962596	AA	GG	1940171409
SNP_P1_44828_34962619	NC_021162.1	Ca_kabuli_chr03	34962619	TT	CC	1940171411
SNP_P1_44829_34962750	NC_021162.1	Ca_kabuli_chr03	34962750	AA	CC	1940171413
SNP_P1_44830_34962760	NC_021162.1	Ca_kabuli_chr03	34962760	GG	AA	1940171415
SNP_P1_44831_34962837	NC_021162.1	Ca_kabuli_chr03	34962837	AA	TT	1940171417
SNP_P1_44832_34962843	NC_021162.1	Ca_kabuli_chr03	34962843	TT	AA	1940171419
SNP_P1_44833_34963096	NC_021162.1	Ca_kabuli_chr03	34963096	TT	AA	1940171421
SNP_P1_44834_34963541	NC_021162.1	Ca_kabuli_chr03	34963541	TT	GG	1940171424
SNP_P1_44837_34964297	NC_021162.1	Ca_kabuli_chr03	34964297	GG	AA	1940171426
SNP_P1_44838_34964471	NC_021162.1	Ca_kabuli_chr03	34964471	AA	GG	1940171428
SNP_P1_44839_34965136	NC_021162.1	Ca_kabuli_chr03	34965136	GG	TT	1940171430
SNP_P1_44840_34965985	NC_021162.1	Ca_kabuli_chr03	34965985	AA	GG	1940171432
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SNP_P1_44842_34966482	NC_021162.1	Ca_kabuli_chr03	34966482	CC	AA	1940171436
SNP_P1_44843_34966512	NC_021162.1	Ca_kabuli_chr03	34966512	TT	CC	1940171438
SNP_P1_44844_34966908	NC_021162.1	Ca_kabuli_chr03	34966908	CC	AA	1940171441
SNP_P1_44845_34967085	NC_021162.1	Ca_kabuli_chr03	34967085	GG	CC	1940171443
SNP_P1_44847_34967181	NC_021162.1	Ca_kabuli_chr03	34967181	AA	TT	1940171445
SNP_P1_44849_34967578	NC_021162.1	Ca_kabuli_chr03	34967578	AA	GG	1940171447
SNP_P1_44850_34967587	NC_021162.1	Ca_kabuli_chr03	34967587	GG	AA	1940171449
SNP_P1_44851_34967633	NC_021162.1	Ca_kabuli_chr03	34967633	AA	GG	1940171451
SNP_P1_44852_34967646	NC_021162.1	Ca_kabuli_chr03	34967646	CC	TT	1940171453
SNP_P1_44854_34967795	NC_021162.1	Ca_kabuli_chr03	34967795	TT	CC	1940171455
SNP_P1_44855_34967881	NC_021162.1	Ca_kabuli_chr03	34967881	GG	TT	1940171457
SNP_P1_44856_34967884	NC_021162.1	Ca_kabuli_chr03	34967884	TT	CC	1940171459
SNP_P1_44857_34967907	NC_021162.1	Ca_kabuli_chr03	34967907	GG	TT	1940171461
SNP_P1_44859_34970888	NC_021162.1	Ca_kabuli_chr03	34970888	GG	AA	1940171464
SNP_P1_44860_34970943	NC_021162.1	Ca_kabuli_chr03	34970943	CC	TT	1940171466
SNP_P1_44861_34971046	NC_021162.1	Ca_kabuli_chr03	34971046	TT	AA	1940171468
SNP_P1_44862_34971050	NC_021162.1	Ca_kabuli_chr03	34971050	CC	TT	1940171470
SNP_P1_44863_34971080	NC_021162.1	Ca_kabuli_chr03	34971080	AA	GG	1940171472
SNP_P1_44864_34971464	NC_021162.1	Ca_kabuli_chr03	34971464	TT	CC	1940171474
SNP_P1_44865_34971965	NC_021162.1	Ca_kabuli_chr03	34971965	CC	TT	1940171476
SNP_P1_44866_34972452	NC_021162.1	Ca_kabuli_chr03	34972452	TT	AA	1940171478
SNP_P1_44867_34972460	NC_021162.1	Ca_kabuli_chr03	34972460	CC	AA	1940171481
SNP_P1_44869_34973842	NC_021162.1	Ca_kabuli_chr03	34973842	AA	CC	1940171483
SNP_P1_44871_34973997	NC_021162.1	Ca_kabuli_chr03	34973997	TT	AA	1940171485
SNP_P1_44873_34974310	NC_021162.1	Ca_kabuli_chr03	34974310	AA	CC	1940171487
SNP_P1_44874_34975844	NC_021162.1	Ca_kabuli_chr03	34975844	TT	CC	1940171489

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44877_34976181	NC_021162.1	Ca_kabuli_chr03	34976181	AA	TT	1940171493
SNP_P1_44880_34978582	NC_021162.1	Ca_kabuli_chr03	34978582	AA	CC	1940171495
SNP_P1_44881_34979026	NC_021162.1	Ca_kabuli_chr03	34979026	AA	TT	1940171497
SNP_P1_44882_34979322	NC_021162.1	Ca_kabuli_chr03	34979322	TT	AA	1940171499
SNP_P1_44883_34979657	NC_021162.1	Ca_kabuli_chr03	34979657	CC	TT	1940171501
SNP_P1_44884_34979668	NC_021162.1	Ca_kabuli_chr03	34979668	CC	GG	1940171503
SNP_P1_44885_34979720	NC_021162.1	Ca_kabuli_chr03	34979720	AA	GG	1940171506
SNP_P1_44886_34980358	NC_021162.1	Ca_kabuli_chr03	34980358	GG	CC	1940171508
SNP_P1_44887_34980392	NC_021162.1	Ca_kabuli_chr03	34980392	CC	TT	1940171510
SNP_P1_44888_34980671	NC_021162.1	Ca_kabuli_chr03	34980671	CC	AA	1940171512
SNP_P1_44890_34982751	NC_021162.1	Ca_kabuli_chr03	34982751	GG	AA	1940171513
SNP_P1_44891_34985304	NC_021162.1	Ca_kabuli_chr03	34985304	TT	CC	1940171515
SNP_P1_44892_34985674	NC_021162.1	Ca_kabuli_chr03	34985674	AA	GG	1940171517
SNP_P1_44893_34987190	NC_021162.1	Ca_kabuli_chr03	34987190	TT	CC	1940171519
SNP_P1_44894_34987219	NC_021162.1	Ca_kabuli_chr03	34987219	TT	AA	1940171521
SNP_P1_44895_34988540	NC_021162.1	Ca_kabuli_chr03	34988540	GG	AA	1940171523
SNP_P1_44897_34992980	NC_021162.1	Ca_kabuli_chr03	34992980	CC	TT	1940171525
SNP_P1_44898_34993006	NC_021162.1	Ca_kabuli_chr03	34993006	TT	GG	1940171527
SNP_P1_44899_34995502	NC_021162.1	Ca_kabuli_chr03	34995502	AA	GG	1940171529
SNP_P1_44900_34995688	NC_021162.1	Ca_kabuli_chr03	34995688	TT	CC	1940171531
SNP_P1_44901_34999086	NC_021162.1	Ca_kabuli_chr03	34999086	AA	GG	1940171533
SNP_P1_44902_34999134	NC_021162.1	Ca_kabuli_chr03	34999134	CC	AA	1940171536
SNP_P1_44903_34999232	NC_021162.1	Ca_kabuli_chr03	34999232	CC	AA	1940171538
SNP_P1_44904_34999497	NC_021162.1	Ca_kabuli_chr03	34999497	CC	AA	1940171540
SNP_P1_44905_34999498	NC_021162.1	Ca_kabuli_chr03	34999498	AA	TT	1940171542
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SNP_P1_44907_34999514	NC_021162.1	Ca_kabuli_chr03	34999514	TT	GG	1940171546
SNP_P1_44908_34999518	NC_021162.1	Ca_kabuli_chr03	34999518	GG	TT	1940171548
SNP_P1_44909_34999541	NC_021162.1	Ca_kabuli_chr03	34999541	CC	GG	1940171550
SNP_P1_44910_34999544	NC_021162.1	Ca_kabuli_chr03	34999544	AA	TT	1940171552
SNP_P1_44911_34999545	NC_021162.1	Ca_kabuli_chr03	34999545	TT	AA	1940171554
SNP_P1_44912_35001945	NC_021162.1	Ca_kabuli_chr03	35001945	GG	TT	1940171556
SNP_P1_44913_35002409	NC_021162.1	Ca_kabuli_chr03	35002409	TT	CC	1940171559
SNP_P1_44915_35002650	NC_021162.1	Ca_kabuli_chr03	35002650	GG	AA	1940171561
SNP_P1_44916_35002653	NC_021162.1	Ca_kabuli_chr03	35002653	TT	CC	1940171563
SNP_P1_44917_35002839	NC_021162.1	Ca_kabuli_chr03	35002839	TT	CC	1940171565
SNP_P1_44918_35009340	NC_021162.1	Ca_kabuli_chr03	35009340	TT	CC	1940171567
SNP_P1_44919_35011279	NC_021162.1	Ca_kabuli_chr03	35011279	AA	GG	1940171569
SNP_P1_44921_35014128	NC_021162.1	Ca_kabuli_chr03	35014128	AA	TT	1940171571
SNP_P1_44924_35015397	NC_021162.1	Ca_kabuli_chr03	35015397	TT	CC	1940171573
SNP_P1_44925_35015607	NC_021162.1	Ca_kabuli_chr03	35015607	CC	AA	1940171575

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44929_35017396	NC_021162.1	Ca_kabuli_chr03	35017396	GG	CC	1940171581
SNP_P1_44930_35017723	NC_021162.1	Ca_kabuli_chr03	35017723	TT	GG	1940171584
SNP_P1_44932_35017744	NC_021162.1	Ca_kabuli_chr03	35017744	CC	AA	1940171586
SNP_P1_44933_35017751	NC_021162.1	Ca_kabuli_chr03	35017751	GG	AA	1940171588
SNP_P1_44934_35017780	NC_021162.1	Ca_kabuli_chr03	35017780	AA	GG	1940171590
SNP_P1_44936_35019073	NC_021162.1	Ca_kabuli_chr03	35019073	GG	AA	1940171592
SNP_P1_44937_35019074	NC_021162.1	Ca_kabuli_chr03	35019074	GG	AA	1940171594
SNP_P1_44938_35019075	NC_021162.1	Ca_kabuli_chr03	35019075	GG	AA	1940171596
SNP_P1_44939_35019088	NC_021162.1	Ca_kabuli_chr03	35019088	TT	CC	1940171598
SNP_P1_44940_35019090	NC_021162.1	Ca_kabuli_chr03	35019090	CC	TT	1940171600
SNP_P1_44941_35019101	NC_021162.1	Ca_kabuli_chr03	35019101	GG	CC	1940171603
SNP_P1_44942_35019204	NC_021162.1	Ca_kabuli_chr03	35019204	TT	CC	1940171605
SNP_P1_44943_35019212	NC_021162.1	Ca_kabuli_chr03	35019212	GG	AA	1940171607
SNP_P1_44944_35019216	NC_021162.1	Ca_kabuli_chr03	35019216	GG	AA	1940171609
SNP_P1_44945_35019234	NC_021162.1	Ca_kabuli_chr03	35019234	GG	CC	1940171611
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SNP_P1_44947_35019268	NC_021162.1	Ca_kabuli_chr03	35019268	TT	CC	1940171615
SNP_P1_44948_35019269	NC_021162.1	Ca_kabuli_chr03	35019269	TT	CC	1940171617
SNP_P1_44950_35020789	NC_021162.1	Ca_kabuli_chr03	35020789	CC	TT	1940171619
SNP_P1_44951_35020829	NC_021162.1	Ca_kabuli_chr03	35020829	TT	CC	1940171622
SNP_P1_44952_35020974	NC_021162.1	Ca_kabuli_chr03	35020974	AA	CC	1940171624
SNP_P1_44953_35020995	NC_021162.1	Ca_kabuli_chr03	35020995	GG	AA	1940171626
SNP_P1_44956_35023449	NC_021162.1	Ca_kabuli_chr03	35023449	TT	AA	1940171628
SNP_P1_44957_35023933	NC_021162.1	Ca_kabuli_chr03	35023933	CC	TT	1940171630
SNP_P1_44958_35026125	NC_021162.1	Ca_kabuli_chr03	35026125	TT	CC	1940171632
SNP_P1_44959_35026571	NC_021162.1	Ca_kabuli_chr03	35026571	TT	AA	1940171634
SNP_P1_44960_35026608	NC_021162.1	Ca_kabuli_chr03	35026608	CC	TT	1940171636
SNP_P1_44961_35028751	NC_021162.1	Ca_kabuli_chr03	35028751	TT	CC	1940171638
SNP_P1_44962_35029597	NC_021162.1	Ca_kabuli_chr03	35029597	CC	TT	1940171640
SNP_P1_44964_35030717	NC_021162.1	Ca_kabuli_chr03	35030717	AA	GG	1940171642
SNP_P1_44965_35030799	NC_021162.1	Ca_kabuli_chr03	35030799	AA	TT	1940171645
SNP_P1_44966_35030901	NC_021162.1	Ca_kabuli_chr03	35030901	TT	CC	1940171647
SNP_P1_44968_35032099	NC_021162.1	Ca_kabuli_chr03	35032099	CC	TT	1940171649
SNP_P1_44970_35032307	NC_021162.1	Ca_kabuli_chr03	35032307	CC	TT	1940171651
SNP_P1_44971_35032320	NC_021162.1	Ca_kabuli_chr03	35032320	TT	CC	1940171653
SNP_P1_44972_35032442	NC_021162.1	Ca_kabuli_chr03	35032442	TT	AA	1940171655
SNP_P1_44973_35032456	NC_021162.1	Ca_kabuli_chr03	35032456	AA	GG	1940171657
SNP_P1_44974_35032694	NC_021162.1	Ca_kabuli_chr03	35032694	CC	AA	1940171659
SNP_P1_44975_35032925	NC_021162.1	Ca_kabuli_chr03	35032925	GG	AA	1940171661
SNP_P1_44977_35033251	NC_021162.1	Ca_kabuli_chr03	35033251	CC	TT	1940171663

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_44981_35034566	NC_021162.1	Ca_kabuli_chr03	35034566	CC	TT	1940171669
SNP_P1_44985_35037266	NC_021162.1	Ca_kabuli_chr03	35037266	CC	TT	1940171672
SNP_P1_44986_35037339	NC_021162.1	Ca_kabuli_chr03	35037339	CC	TT	1940171674
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SNP_P1_44988_35038161	NC_021162.1	Ca_kabuli_chr03	35038161	TT	CC	1940171678
SNP_P1_44989_35039219	NC_021162.1	Ca_kabuli_chr03	35039219	AA	GG	1940171680
SNP_P1_44990_35039252	NC_021162.1	Ca_kabuli_chr03	35039252	TT	CC	1940171682
SNP_P1_44992_35040083	NC_021162.1	Ca_kabuli_chr03	35040083	GG	AA	1940171684
SNP_P1_44994_35043460	NC_021162.1	Ca_kabuli_chr03	35043460	GG	AA	1940171686
SNP_P1_44995_35043718	NC_021162.1	Ca_kabuli_chr03	35043718	CC	TT	1940171689
SNP_P1_44997_35045110	NC_021162.1	Ca_kabuli_chr03	35045110	AA	GG	1940171691
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SNP_P1_44999_35046888	NC_021162.1	Ca_kabuli_chr03	35046888	CC	TT	1940171695
SNP_P1_45000_35046968	NC_021162.1	Ca_kabuli_chr03	35046968	AA	TT	1940171697
SNP_P1_45001_35047755	NC_021162.1	Ca_kabuli_chr03	35047755	TT	CC	1940171699
SNP_P1_45002_35048004	NC_021162.1	Ca_kabuli_chr03	35048004	AA	TT	1940171701
SNP_P1_45003_35048019	NC_021162.1	Ca_kabuli_chr03	35048019	CC	TT	1940171703
SNP_P1_45004_35048025	NC_021162.1	Ca_kabuli_chr03	35048025	GG	AA	1940171705
SNP_P1_45007_35048323	NC_021162.1	Ca_kabuli_chr03	35048323	TT	CC	1940171708
SNP_P1_45008_35048444	NC_021162.1	Ca_kabuli_chr03	35048444	CC	TT	1940171710
SNP_P1_45010_35048531	NC_021162.1	Ca_kabuli_chr03	35048531	TT	CC	1940171712
SNP_P1_45011_35048756	NC_021162.1	Ca_kabuli_chr03	35048756	CC	TT	1940171714
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SNP_P1_45013_35049103	NC_021162.1	Ca_kabuli_chr03	35049103	GG	AA	1940171718
SNP_P1_45014_35049245	NC_021162.1	Ca_kabuli_chr03	35049245	TT	CC	1940171720
SNP_P1_45015_35049284	NC_021162.1	Ca_kabuli_chr03	35049284	TT	AA	1940171722
SNP_P1_45016_35049291	NC_021162.1	Ca_kabuli_chr03	35049291	TT	CC	1940171724
SNP_P1_45018_35049374	NC_021162.1	Ca_kabuli_chr03	35049374	AA	TT	1940171726
SNP_P1_45019_35049402	NC_021162.1	Ca_kabuli_chr03	35049402	CC	TT	1940171729
SNP_P1_45020_35049567	NC_021162.1	Ca_kabuli_chr03	35049567	AA	CC	1940171731
SNP_P1_45022_35049835	NC_021162.1	Ca_kabuli_chr03	35049835	TT	GG	1940171733
SNP_P1_45027_35052022	NC_021162.1	Ca_kabuli_chr03	35052022	TT	CC	1940171735
SNP_P1_45028_35052162	NC_021162.1	Ca_kabuli_chr03	35052162	GG	TT	1940171737
SNP_P1_45029_35052277	NC_021162.1	Ca_kabuli_chr03	35052277	GG	TT	1940171739
SNP_P1_45031_35054017	NC_021162.1	Ca_kabuli_chr03	35054017	AA	TT	1940171741
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SNP_P1_45034_35054340	NC_021162.1	Ca_kabuli_chr03	35054340	CC	GG	1940171747
SNP_P1_45035_35054370	NC_021162.1	Ca_kabuli_chr03	35054370	TT	CC	1940171749
SNP_P1_45036_35054583	NC_021162.1	Ca_kabuli_chr03	35054583	CC	TT	1940171752

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45038_35055580	NC_021162.1	Ca_kabuli_chr03	35055580	AA	GG	1940171756
SNP_P1_45039_35055587	NC_021162.1	Ca_kabuli_chr03	35055587	GG	CC	1940171758
SNP_P1_45040_35055855	NC_021162.1	Ca_kabuli_chr03	35055855	AA	GG	1940171760
SNP_P1_45041_35055899	NC_021162.1	Ca_kabuli_chr03	35055899	CC	TT	1940171762
SNP_P1_45042_35055961	NC_021162.1	Ca_kabuli_chr03	35055961	GG	CC	1940171764
SNP_P1_45044_35066168	NC_021162.1	Ca_kabuli_chr03	35066168	GG	AA	1940171766
SNP_P1_45045_35066188	NC_021162.1	Ca_kabuli_chr03	35066188	TT	CC	1940171768
SNP_P1_45046_35067112	NC_021162.1	Ca_kabuli_chr03	35067112	AA	TT	1940171770
SNP_P1_45047_35067293	NC_021162.1	Ca_kabuli_chr03	35067293	GG	AA	1940171772
SNP_P1_45048_35068007	NC_021162.1	Ca_kabuli_chr03	35068007	GG	AA	1940171774
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SNP_P1_45050_35069930	NC_021162.1	Ca_kabuli_chr03	35069930	CC	TT	1940171778
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SNP_P1_45054_35074039	NC_021162.1	Ca_kabuli_chr03	35074039	GG	AA	1940171787
SNP_P1_45055_35074371	NC_021162.1	Ca_kabuli_chr03	35074371	CC	GG	1940171789
SNP_P1_45059_35079511	NC_021162.1	Ca_kabuli_chr03	35079511	CC	AA	1940171791
SNP_P1_45060_35080442	NC_021162.1	Ca_kabuli_chr03	35080442	TT	GG	1940171793
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SNP_P1_45065_35084479	NC_021162.1	Ca_kabuli_chr03	35084479	AA	GG	1940171801
SNP_P1_45066_35084494	NC_021162.1	Ca_kabuli_chr03	35084494	AA	GG	1940171803
SNP_P1_45067_35086663	NC_021162.1	Ca_kabuli_chr03	35086663	GG	AA	1940171806
SNP_P1_45069_35086725	NC_021162.1	Ca_kabuli_chr03	35086725	CC	GG	1940171808
SNP_P1_45071_35087082	NC_021162.1	Ca_kabuli_chr03	35087082	GG	AA	1940171810
SNP_P1_45072_35087238	NC_021162.1	Ca_kabuli_chr03	35087238	AA	GG	1940171812
SNP_P1_45073_35087800	NC_021162.1	Ca_kabuli_chr03	35087800	TT	CC	1940171814
SNP_P1_45074_35087807	NC_021162.1	Ca_kabuli_chr03	35087807	TT	AA	1940171816
SNP_P1_45075_35087885	NC_021162.1	Ca_kabuli_chr03	35087885	AA	GG	1940171818
SNP_P1_45076_35088057	NC_021162.1	Ca_kabuli_chr03	35088057	AA	GG	1940171820
SNP_P1_45077_35088157	NC_021162.1	Ca_kabuli_chr03	35088157	AA	CC	1940171822
SNP_P1_45078_35088941	NC_021162.1	Ca_kabuli_chr03	35088941	CC	TT	1940171825
SNP_P1_45079_35090365	NC_021162.1	Ca_kabuli_chr03	35090365	AA	GG	1940171827
SNP_P1_45080_35090875	NC_021162.1	Ca_kabuli_chr03	35090875	TT	CC	1940171829
SNP_P1_45084_35093207	NC_021162.1	Ca_kabuli_chr03	35093207	AA	CC	1940171831
SNP_P1_45085_35093244	NC_021162.1	Ca_kabuli_chr03	35093244	TT	AA	1940171833
SNP_P1_45087_35093661	NC_021162.1	Ca_kabuli_chr03	35093661	GG	CC	1940171835
SNP_P1_45088_35093663	NC_021162.1	Ca_kabuli_chr03	35093663	AA	GG	1940171837
SNP_P1_45089_35093742	NC_021162.1	Ca_kabuli_chr03	35093742	AA	TT	1940171839

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45092_35094678	NC_021162.1	Ca_kabuli_chr03	35094678	TT	CC	1940171843
SNP_P1_45093_35095221	NC_021162.1	Ca_kabuli_chr03	35095221	TT	CC	1940171846
SNP_P1_45094_35098641	NC_021162.1	Ca_kabuli_chr03	35098641	AA	CC	1940171848
SNP_P1_45095_35099209	NC_021162.1	Ca_kabuli_chr03	35099209	CC	AA	1940171850
SNP_P1_45096_35099621	NC_021162.1	Ca_kabuli_chr03	35099621	CC	GG	1940171852
SNP_P1_45097_35099916	NC_021162.1	Ca_kabuli_chr03	35099916	GG	AA	1940171854
SNP_P1_45098_35100231	NC_021162.1	Ca_kabuli_chr03	35100231	AA	TT	1940171856
SNP_P1_45099_35100267	NC_021162.1	Ca_kabuli_chr03	35100267	AA	GG	1940171858
SNP_P1_45100_35100521	NC_021162.1	Ca_kabuli_chr03	35100521	TT	AA	1940171860
SNP_P1_45101_35100574	NC_021162.1	Ca_kabuli_chr03	35100574	TT	AA	1940171862
SNP_P1_45104_35100807	NC_021162.1	Ca_kabuli_chr03	35100807	CC	TT	1940171864
SNP_P1_45105_35100862	NC_021162.1	Ca_kabuli_chr03	35100862	CC	AA	1940171866
SNP_P1_45106_35100921	NC_021162.1	Ca_kabuli_chr03	35100921	GG	AA	1940171869
SNP_P1_45107_35101064	NC_021162.1	Ca_kabuli_chr03	35101064	AA	CC	1940171871
SNP_P1_45109_35101298	NC_021162.1	Ca_kabuli_chr03	35101298	TT	AA	1940171873
SNP_P1_45110_35101476	NC_021162.1	Ca_kabuli_chr03	35101476	TT	CC	1940171875
SNP_P1_45111_35101586	NC_021162.1	Ca_kabuli_chr03	35101586	TT	AA	1940171877
SNP_P1_45113_35101623	NC_021162.1	Ca_kabuli_chr03	35101623	TT	AA	1940171879
SNP_P1_45114_35101675	NC_021162.1	Ca_kabuli_chr03	35101675	AA	GG	1940171882
SNP_P1_45115_35101711	NC_021162.1	Ca_kabuli_chr03	35101711	CC	TT	1940171883
SNP_P1_45116_35101713	NC_021162.1	Ca_kabuli_chr03	35101713	TT	AA	1940171884
SNP_P1_45117_35101729	NC_021162.1	Ca_kabuli_chr03	35101729	TT	CC	1940171885
SNP_P1_45118_35101748	NC_021162.1	Ca_kabuli_chr03	35101748	AA	GG	1940171886
SNP_P1_45119_35101760	NC_021162.1	Ca_kabuli_chr03	35101760	GG	AA	1940171888
SNP_P1_45120_35101792	NC_021162.1	Ca_kabuli_chr03	35101792	GG	AA	1940171890
SNP_P1_45121_35101803	NC_021162.1	Ca_kabuli_chr03	35101803	CC	TT	1940171892
SNP_P1_45122_35101849	NC_021162.1	Ca_kabuli_chr03	35101849	AA	GG	1940171895
SNP_P1_45123_35101854	NC_021162.1	Ca_kabuli_chr03	35101854	GG	AA	1940171897
SNP_P1_45124_35101887	NC_021162.1	Ca_kabuli_chr03	35101887	AA	GG	1940171899
SNP_P1_45125_35101897	NC_021162.1	Ca_kabuli_chr03	35101897	CC	TT	1940171901
SNP_P1_45126_35101898	NC_021162.1	Ca_kabuli_chr03	35101898	AA	GG	1940171903
SNP_P1_45127_35102008	NC_021162.1	Ca_kabuli_chr03	35102008	AA	GG	1940171905
SNP_P1_45128_35102017	NC_021162.1	Ca_kabuli_chr03	35102017	GG	CC	1940171907
SNP_P1_45129_35102037	NC_021162.1	Ca_kabuli_chr03	35102037	TT	CC	1940171910
SNP_P1_45130_35102375	NC_021162.1	Ca_kabuli_chr03	35102375	TT	CC	1940171912
SNP_P1_45131_35103586	NC_021162.1	Ca_kabuli_chr03	35103586	GG	AA	1940171914
SNP_P1_45133_35103852	NC_021162.1	Ca_kabuli_chr03	35103852	CC	AA	1940171916
SNP_P1_45134_35103856	NC_021162.1	Ca_kabuli_chr03	35103856	CC	TT	1940171918
SNP_P1_45135_35104006	NC_021162.1	Ca_kabuli_chr03	35104006	TT	CC	1940171920
SNP_P1_45136_35104142	NC_021162.1	Ca_kabuli_chr03	35104142	TT	CC	1940171923
SNP_P1_45138_35107035	NC_021162.1	Ca_kabuli_chr03	35107035	AA	TT	1940171925

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45140_35107780	NC_021162.1	Ca_kabuli_chr03	35107780	GG	TT	1940171929
SNP_P1_45141_35108416	NC_021162.1	Ca_kabuli_chr03	35108416	TT	CC	1940171931
SNP_P1_45142_35108439	NC_021162.1	Ca_kabuli_chr03	35108439	CC	GG	1940171933
SNP_P1_45143_35108445	NC_021162.1	Ca_kabuli_chr03	35108445	TT	CC	1940171936
SNP_P1_45144_35108766	NC_021162.1	Ca_kabuli_chr03	35108766	TT	CC	1940171938
SNP_P1_45145_35108777	NC_021162.1	Ca_kabuli_chr03	35108777	TT	CC	1940171940
SNP_P1_45146_35108958	NC_021162.1	Ca_kabuli_chr03	35108958	AA	GG	1940171942
SNP_P1_45147_35109088	NC_021162.1	Ca_kabuli_chr03	35109088	AA	GG	1940171944
SNP_P1_45148_35109274	NC_021162.1	Ca_kabuli_chr03	35109274	GG	AA	1940171946
SNP_P1_45149_35111781	NC_021162.1	Ca_kabuli_chr03	35111781	CC	AA	1940171948
SNP_P1_45150_35111842	NC_021162.1	Ca_kabuli_chr03	35111842	AA	GG	1940171951
SNP_P1_45151_35112205	NC_021162.1	Ca_kabuli_chr03	35112205	TT	AA	1940171953
SNP_P1_45152_35113687	NC_021162.1	Ca_kabuli_chr03	35113687	CC	TT	1940171955
SNP_P1_45153_35113781	NC_021162.1	Ca_kabuli_chr03	35113781	TT	GG	1940171957
SNP_P1_45154_35113789	NC_021162.1	Ca_kabuli_chr03	35113789	TT	AA	1940171959
SNP_P1_45155_35115579	NC_021162.1	Ca_kabuli_chr03	35115579	TT	AA	1940171961
SNP_P1_45156_35115584	NC_021162.1	Ca_kabuli_chr03	35115584	AA	CC	1940171964
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SNP_P1_45158_35116238	NC_021162.1	Ca_kabuli_chr03	35116238	CC	TT	1940171968
SNP_P1_45159_35116538	NC_021162.1	Ca_kabuli_chr03	35116538	TT	CC	1940171970
SNP_P1_45162_35117321	NC_021162.1	Ca_kabuli_chr03	35117321	CC	TT	1940171972
SNP_P1_45163_35117340	NC_021162.1	Ca_kabuli_chr03	35117340	AA	GG	1940171974
SNP_P1_45164_35117352	NC_021162.1	Ca_kabuli_chr03	35117352	TT	CC	1940171976
SNP_P1_45165_35117501	NC_021162.1	Ca_kabuli_chr03	35117501	CC	TT	1940171979
SNP_P1_45166_35117615	NC_021162.1	Ca_kabuli_chr03	35117615	CC	TT	1940171981
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SNP_P1_45168_35117736	NC_021162.1	Ca_kabuli_chr03	35117736	TT	AA	1940171985
SNP_P1_45169_35117748	NC_021162.1	Ca_kabuli_chr03	35117748	AA	GG	1940171987
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SNP_P1_45172_35119222	NC_021162.1	Ca_kabuli_chr03	35119222	CC	TT	1940171992
SNP_P1_45174_35119376	NC_021162.1	Ca_kabuli_chr03	35119376	CC	TT	1940171994
SNP_P1_45175_35119435	NC_021162.1	Ca_kabuli_chr03	35119435	TT	GG	1940171996
SNP_P1_45176_35119516	NC_021162.1	Ca_kabuli_chr03	35119516	AA	TT	1940171998
SNP_P1_45177_35119521	NC_021162.1	Ca_kabuli_chr03	35119521	AA	TT	1940172000
SNP_P1_45178_35119553	NC_021162.1	Ca_kabuli_chr03	35119553	TT	CC	1940172002
SNP_P1_45179_35119706	NC_021162.1	Ca_kabuli_chr03	35119706	GG	CC	1940172005
SNP_P1_45180_35119722	NC_021162.1	Ca_kabuli_chr03	35119722	TT	GG	1940172007
SNP_P1_45181_35119724	NC_021162.1	Ca_kabuli_chr03	35119724	TT	CC	1940172009
SNP_P1_45182_35120022	NC_021162.1	Ca_kabuli_chr03	35120022	TT	AA	1940172011
SNP_P1_45183_35120401	NC_021162.1	Ca_kabuli_chr03	35120401	CC	TT	1940172013
SNP_P1_45184_35120447	NC_021162.1	Ca_kabuli_chr03	35120447	TT	AA	1940172015

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45187_35121306	NC_021162.1	Ca_kabuli_chr03	35121306	AA	GG	1940172022
SNP_P1_45189_35121377	NC_021162.1	Ca_kabuli_chr03	35121377	CC	TT	1940172024
SNP_P1_45190_35121527	NC_021162.1	Ca_kabuli_chr03	35121527	GG	AA	1940172026
SNP_P1_45191_35121529	NC_021162.1	Ca_kabuli_chr03	35121529	TT	CC	1940172028
SNP_P1_45192_35121560	NC_021162.1	Ca_kabuli_chr03	35121560	TT	CC	1940172030
SNP_P1_45193_35121573	NC_021162.1	Ca_kabuli_chr03	35121573	TT	CC	1940172033
SNP_P1_45194_35121577	NC_021162.1	Ca_kabuli_chr03	35121577	AA	GG	1940172035
SNP_P1_45195_35121580	NC_021162.1	Ca_kabuli_chr03	35121580	TT	CC	1940172037
SNP_P1_45196_35121609	NC_021162.1	Ca_kabuli_chr03	35121609	AA	GG	1940172039
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SNP_P1_45198_35122693	NC_021162.1	Ca_kabuli_chr03	35122693	CC	AA	1940172043
SNP_P1_45199_35122753	NC_021162.1	Ca_kabuli_chr03	35122753	CC	AA	1940172045
SNP_P1_45200_35123213	NC_021162.1	Ca_kabuli_chr03	35123213	CC	TT	1940172048
SNP_P1_45201_35123760	NC_021162.1	Ca_kabuli_chr03	35123760	AA	GG	1940172050
SNP_P1_45202_35125509	NC_021162.1	Ca_kabuli_chr03	35125509	AA	CC	1940172052
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SNP_P1_45204_35126134	NC_021162.1	Ca_kabuli_chr03	35126134	GG	CC	1940172056
SNP_P1_45205_35126183	NC_021162.1	Ca_kabuli_chr03	35126183	AA	GG	1940172058
SNP_P1_45206_35126520	NC_021162.1	Ca_kabuli_chr03	35126520	GG	AA	1940172061
SNP_P1_45207_35126523	NC_021162.1	Ca_kabuli_chr03	35126523	GG	AA	1940172063
SNP_P1_45208_35127891	NC_021162.1	Ca_kabuli_chr03	35127891	CC	TT	1940172065
SNP_P1_45209_35128169	NC_021162.1	Ca_kabuli_chr03	35128169	AA	GG	1940172067
SNP_P1_45210_35128191	NC_021162.1	Ca_kabuli_chr03	35128191	GG	AA	1940172069
SNP_P1_45212_35128543	NC_021162.1	Ca_kabuli_chr03	35128543	AA	TT	1940172071
SNP_P1_45213_35128545	NC_021162.1	Ca_kabuli_chr03	35128545	AA	TT	1940172074
SNP_P1_45214_35128588	NC_021162.1	Ca_kabuli_chr03	35128588	CC	TT	1940172076
SNP_P1_45215_35128870	NC_021162.1	Ca_kabuli_chr03	35128870	TT	GG	1940172078
SNP_P1_45216_35128901	NC_021162.1	Ca_kabuli_chr03	35128901	CC	AA	1940172080
SNP_P1_45217_35128936	NC_021162.1	Ca_kabuli_chr03	35128936	CC	AA	1940172082
SNP_P1_45218_35129420	NC_021162.1	Ca_kabuli_chr03	35129420	GG	AA	1940172084
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SNP_P1_45221_35131588	NC_021162.1	Ca_kabuli_chr03	35131588	TT	CC	1940172091
SNP_P1_45222_35131613	NC_021162.1	Ca_kabuli_chr03	35131613	AA	TT	1940172093
SNP_P1_45224_35133147	NC_021162.1	Ca_kabuli_chr03	35133147	AA	GG	1940172095
SNP_P1_45225_35133160	NC_021162.1	Ca_kabuli_chr03	35133160	TT	AA	1940172097
SNP_P1_45226_35133431	NC_021162.1	Ca_kabuli_chr03	35133431	GG	CC	1940172099
SNP_P1_45227_35133445	NC_021162.1	Ca_kabuli_chr03	35133445	GG	AA	1940172102
SNP_P1_45228_35133457	NC_021162.1	Ca_kabuli_chr03	35133457	AA	GG	1940172104
SNP_P1_45229_35133968	NC_021162.1	Ca_kabuli_chr03	35133968	AA	TT	1940172106

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45231_35133976	NC_021162.1	Ca_kabuli_chr03	35133976	GG	CC	1940172110
SNP_P1_45232_35133991	NC_021162.1	Ca_kabuli_chr03	35133991	AA	GG	1940172112
SNP_P1_45233_35134097	NC_021162.1	Ca_kabuli_chr03	35134097	AA	GG	1940172114
SNP_P1_45235_35135657	NC_021162.1	Ca_kabuli_chr03	35135657	TT	CC	1940172117
SNP_P1_45237_35135761	NC_021162.1	Ca_kabuli_chr03	35135761	GG	AA	1940172119
SNP_P1_45238_35135784	NC_021162.1	Ca_kabuli_chr03	35135784	GG	TT	1940172121
SNP_P1_45239_35135951	NC_021162.1	Ca_kabuli_chr03	35135951	AA	GG	1940172123
SNP_P1_45240_35136105	NC_021162.1	Ca_kabuli_chr03	35136105	AA	GG	1940172125
SNP_P1_45241_35136396	NC_021162.1	Ca_kabuli_chr03	35136396	AA	GG	1940172127
SNP_P1_45243_35136703	NC_021162.1	Ca_kabuli_chr03	35136703	AA	TT	1940172130
SNP_P1_45244_35137395	NC_021162.1	Ca_kabuli_chr03	35137395	AA	GG	1940172132
SNP_P1_45245_35137450	NC_021162.1	Ca_kabuli_chr03	35137450	TT	CC	1940172134
SNP_P1_45247_35138615	NC_021162.1	Ca_kabuli_chr03	35138615	AA	TT	1940172136
SNP_P1_45249_35138726	NC_021162.1	Ca_kabuli_chr03	35138726	AA	GG	1940172138
SNP_P1_45250_35138804	NC_021162.1	Ca_kabuli_chr03	35138804	GG	AA	1940172140
SNP_P1_45251_35138818	NC_021162.1	Ca_kabuli_chr03	35138818	GG	TT	1940172142
SNP_P1_45252_35139152	NC_021162.1	Ca_kabuli_chr03	35139152	AA	CC	1940172145
SNP_P1_45253_35139303	NC_021162.1	Ca_kabuli_chr03	35139303	GG	AA	1940172147
SNP_P1_45254_35139307	NC_021162.1	Ca_kabuli_chr03	35139307	TT	AA	1940172149
SNP_P1_45255_35139314	NC_021162.1	Ca_kabuli_chr03	35139314	AA	GG	1940172151
SNP_P1_45256_35139354	NC_021162.1	Ca_kabuli_chr03	35139354	AA	GG	1940172153
SNP_P1_45257_35139672	NC_021162.1	Ca_kabuli_chr03	35139672	CC	GG	1940172155
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SNP_P1_45259_35139737	NC_021162.1	Ca_kabuli_chr03	35139737	TT	CC	1940172160
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SNP_P1_45262_35142084	NC_021162.1	Ca_kabuli_chr03	35142084	AA	TT	1940172166
SNP_P1_45263_35142088	NC_021162.1	Ca_kabuli_chr03	35142088	TT	CC	1940172168
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SNP_P1_45265_35143312	NC_021162.1	Ca_kabuli_chr03	35143312	TT	CC	1940172172
SNP_P1_45267_35143356	NC_021162.1	Ca_kabuli_chr03	35143356	GG	AA	1940172174
SNP_P1_45268_35143495	NC_021162.1	Ca_kabuli_chr03	35143495	GG	TT	1940172176
SNP_P1_45269_35143671	NC_021162.1	Ca_kabuli_chr03	35143671	CC	TT	1940172179
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SNP_P1_45271_35144131	NC_021162.1	Ca_kabuli_chr03	35144131	CC	TT	1940172183
SNP_P1_45272_35144132	NC_021162.1	Ca_kabuli_chr03	35144132	AA	GG	1940172185
SNP_P1_45273_35144207	NC_021162.1	Ca_kabuli_chr03	35144207	GG	AA	1940172187
SNP_P1_45274_35144249	NC_021162.1	Ca_kabuli_chr03	35144249	AA	GG	1940172189
SNP_P1_45275_35144273	NC_021162.1	Ca_kabuli_chr03	35144273	AA	GG	1940172192
SNP_P1_45276_35144274	NC_021162.1	Ca_kabuli_chr03	35144274	AA	TT	1940172194
SNP_P1_45277_35144297	NC_021162.1	Ca_kabuli_chr03	35144297	GG	AA	1940172196

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45280_35144716	NC_021162.1	Ca_kabuli_chr03	35144716	GG	AA	1940172202
SNP_P1_45281_35145187	NC_021162.1	Ca_kabuli_chr03	35145187	TT	AA	1940172205
SNP_P1_45282_35145445	NC_021162.1	Ca_kabuli_chr03	35145445	AA	CC	1940172207
SNP_P1_45283_35145475	NC_021162.1	Ca_kabuli_chr03	35145475	GG	TT	1940172209
SNP_P1_45284_35145520	NC_021162.1	Ca_kabuli_chr03	35145520	GG	TT	1940172211
SNP_P1_45285_35146684	NC_021162.1	Ca_kabuli_chr03	35146684	AA	GG	1940172213
SNP_P1_45286_35146703	NC_021162.1	Ca_kabuli_chr03	35146703	TT	GG	1940172215
SNP_P1_45287_35146798	NC_021162.1	Ca_kabuli_chr03	35146798	TT	AA	1940172217
SNP_P1_45288_35146912	NC_021162.1	Ca_kabuli_chr03	35146912	AA	GG	1940172220
SNP_P1_45289_35147012	NC_021162.1	Ca_kabuli_chr03	35147012	GG	CC	1940172222
SNP_P1_45290_35147052	NC_021162.1	Ca_kabuli_chr03	35147052	TT	AA	1940172224
SNP_P1_45292_35147218	NC_021162.1	Ca_kabuli_chr03	35147218	TT	CC	1940172226
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SNP_P1_45294_35147263	NC_021162.1	Ca_kabuli_chr03	35147263	CC	TT	1940172230
SNP_P1_45295_35147276	NC_021162.1	Ca_kabuli_chr03	35147276	GG	AA	1940172233
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SNP_P1_45300_35148256	NC_021162.1	Ca_kabuli_chr03	35148256	TT	GG	1940172243
SNP_P1_45301_35148486	NC_021162.1	Ca_kabuli_chr03	35148486	GG	AA	1940172245
SNP_P1_45302_35148697	NC_021162.1	Ca_kabuli_chr03	35148697	GG	AA	1940172248
SNP_P1_45303_35148724	NC_021162.1	Ca_kabuli_chr03	35148724	TT	CC	1940172250
SNP_P1_45304_35149297	NC_021162.1	Ca_kabuli_chr03	35149297	AA	TT	1940172252
SNP_P1_45305_35149352	NC_021162.1	Ca_kabuli_chr03	35149352	AA	TT	1940172254
SNP_P1_45306_35149484	NC_021162.1	Ca_kabuli_chr03	35149484	TT	CC	1940172256
SNP_P1_45307_35149563	NC_021162.1	Ca_kabuli_chr03	35149563	GG	AA	1940172258
SNP_P1_45308_35149595	NC_021162.1	Ca_kabuli_chr03	35149595	TT	CC	1940172261
SNP_P1_45309_35149666	NC_021162.1	Ca_kabuli_chr03	35149666	TT	AA	1940172263
SNP_P1_45310_35149764	NC_021162.1	Ca_kabuli_chr03	35149764	AA	GG	1940172265
SNP_P1_45311_35149789	NC_021162.1	Ca_kabuli_chr03	35149789	GG	AA	1940172267
SNP_P1_45312_35149808	NC_021162.1	Ca_kabuli_chr03	35149808	AA	CC	1940172269
SNP_P1_45313_35149821	NC_021162.1	Ca_kabuli_chr03	35149821	GG	AA	1940172271
SNP_P1_45314_35149866	NC_021162.1	Ca_kabuli_chr03	35149866	AA	GG	1940172273
SNP_P1_45315_35149894	NC_021162.1	Ca_kabuli_chr03	35149894	CC	TT	1940172276
SNP_P1_45316_35149981	NC_021162.1	Ca_kabuli_chr03	35149981	AA	TT	1940172278
SNP_P1_45317_35149997	NC_021162.1	Ca_kabuli_chr03	35149997	AA	GG	1940172280
SNP_P1_45318_35150060	NC_021162.1	Ca_kabuli_chr03	35150060	GG	AA	1940172282
SNP_P1_45319_35150234	NC_021162.1	Ca_kabuli_chr03	35150234	AA	GG	1940172284
SNP_P1_45320_35150266	NC_021162.1	Ca_kabuli_chr03	35150266	AA	GG	1940172287

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45322_35151330	NC_021162.1	Ca_kabuli_chr03	35151330	CC	TT	1940172291
SNP_P1_45323_35151339	NC_021162.1	Ca_kabuli_chr03	35151339	GG	AA	1940172293
SNP_P1_45324_35151364	NC_021162.1	Ca_kabuli_chr03	35151364	CC	GG	1940172295
SNP_P1_45325_35151379	NC_021162.1	Ca_kabuli_chr03	35151379	GG	AA	1940172297
SNP_P1_45326_35151388	NC_021162.1	Ca_kabuli_chr03	35151388	AA	GG	1940172299
SNP_P1_45327_35151530	NC_021162.1	Ca_kabuli_chr03	35151530	TT	CC	1940172302
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SNP_P1_45329_35151646	NC_021162.1	Ca_kabuli_chr03	35151646	TT	AA	1940172306
SNP_P1_45330_35152060	NC_021162.1	Ca_kabuli_chr03	35152060	AA	CC	1940172308
SNP_P1_45331_35152064	NC_021162.1	Ca_kabuli_chr03	35152064	GG	TT	1940172310
SNP_P1_45332_35152153	NC_021162.1	Ca_kabuli_chr03	35152153	TT	CC	1940172312
SNP_P1_45333_35153742	NC_021162.1	Ca_kabuli_chr03	35153742	TT	AA	1940172314
SNP_P1_45335_35155726	NC_021162.1	Ca_kabuli_chr03	35155726	CC	TT	1940172316
SNP_P1_45336_35158309	NC_021162.1	Ca_kabuli_chr03	35158309	TT	AA	1940172318
SNP_P1_45337_35158323	NC_021162.1	Ca_kabuli_chr03	35158323	AA	GG	1940172320
SNP_P1_45338_35158343	NC_021162.1	Ca_kabuli_chr03	35158343	GG	AA	1940172322
SNP_P1_45339_35158383	NC_021162.1	Ca_kabuli_chr03	35158383	CC	TT	1940172325
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SNP_P1_45345_35163009	NC_021162.1	Ca_kabuli_chr03	35163009	AA	CC	1940172337
SNP_P1_45346_35163062	NC_021162.1	Ca_kabuli_chr03	35163062	TT	CC	1940172340
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SNP_P1_45353_35167115	NC_021162.1	Ca_kabuli_chr03	35167115	GG	AA	1940172353
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SNP_P1_45357_35169131	NC_021162.1	Ca_kabuli_chr03	35169131	GG	AA	1940172359
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SNP_P1_45359_35170985	NC_021162.1	Ca_kabuli_chr03	35170985	TT	GG	1940172363
SNP_P1_45360_35170987	NC_021162.1	Ca_kabuli_chr03	35170987	GG	TT	1940172365
SNP_P1_45361_35171001	NC_021162.1	Ca_kabuli_chr03	35171001	AA	GG	1940172368
SNP_P1_45362_35171006	NC_021162.1	Ca_kabuli_chr03	35171006	GG	AA	1940172370
SNP_P1_45363_35171043	NC_021162.1	Ca_kabuli_chr03	35171043	GG	AA	1940172372
SNP_P1_45364_35171050	NC_021162.1	Ca_kabuli_chr03	35171050	GG	AA	1940172374
SNP_P1_45365_35171068	NC_021162.1	Ca_kabuli_chr03	35171068	GG	AA	1940172376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45368_35171273	NC_021162.1	Ca_kabuli_chr03	35171273	AA	TT	1940172383
SNP_P1_45369_35171329	NC_021162.1	Ca_kabuli_chr03	35171329	GG	AA	1940172385
SNP_P1_45370_35173118	NC_021162.1	Ca_kabuli_chr03	35173118	AA	GG	1940172387
SNP_P1_45371_35173314	NC_021162.1	Ca_kabuli_chr03	35173314	TT	CC	1940172389
SNP_P1_45372_35173327	NC_021162.1	Ca_kabuli_chr03	35173327	AA	GG	1940172391
SNP_P1_45373_35173354	NC_021162.1	Ca_kabuli_chr03	35173354	AA	GG	1940172393
SNP_P1_45374_35173578	NC_021162.1	Ca_kabuli_chr03	35173578	AA	GG	1940172396
SNP_P1_45376_35173813	NC_021162.1	Ca_kabuli_chr03	35173813	AA	GG	1940172398
SNP_P1_45377_35173827	NC_021162.1	Ca_kabuli_chr03	35173827	GG	CC	1940172400
SNP_P1_45378_35173842	NC_021162.1	Ca_kabuli_chr03	35173842	TT	CC	1940172402
SNP_P1_45379_35173852	NC_021162.1	Ca_kabuli_chr03	35173852	GG	AA	1940172404
SNP_P1_45380_35173859	NC_021162.1	Ca_kabuli_chr03	35173859	AA	GG	1940172406
SNP_P1_45381_35174201	NC_021162.1	Ca_kabuli_chr03	35174201	AA	GG	1940172409
SNP_P1_45382_35174640	NC_021162.1	Ca_kabuli_chr03	35174640	TT	AA	1940172411
SNP_P1_45383_35175061	NC_021162.1	Ca_kabuli_chr03	35175061	CC	TT	1940172413
SNP_P1_45384_35175117	NC_021162.1	Ca_kabuli_chr03	35175117	TT	GG	1940172415
SNP_P1_45385_35176066	NC_021162.1	Ca_kabuli_chr03	35176066	AA	CC	1940172417
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SNP_P1_45388_35176375	NC_021162.1	Ca_kabuli_chr03	35176375	TT	AA	1940172421
SNP_P1_45390_35176411	NC_021162.1	Ca_kabuli_chr03	35176411	GG	AA	1940172423
SNP_P1_45391_35176541	NC_021162.1	Ca_kabuli_chr03	35176541	AA	GG	1940172425
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SNP_P1_45396_35177504	NC_021162.1	Ca_kabuli_chr03	35177504	TT	GG	1940172434
SNP_P1_45397_35178009	NC_021162.1	Ca_kabuli_chr03	35178009	TT	CC	1940172436
SNP_P1_45399_35178761	NC_021162.1	Ca_kabuli_chr03	35178761	CC	TT	1940172438
SNP_P1_45400_35178806	NC_021162.1	Ca_kabuli_chr03	35178806	AA	TT	1940172441
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SNP_P1_45402_35180124	NC_021162.1	Ca_kabuli_chr03	35180124	TT	AA	1940172445
SNP_P1_45405_35180500	NC_021162.1	Ca_kabuli_chr03	35180500	TT	CC	1940172447
SNP_P1_45406_35180738	NC_021162.1	Ca_kabuli_chr03	35180738	GG	AA	1940172449
SNP_P1_45407_35181047	NC_021162.1	Ca_kabuli_chr03	35181047	CC	AA	1940172451
SNP_P1_45408_35181387	NC_021162.1	Ca_kabuli_chr03	35181387	GG	AA	1940172453
SNP_P1_45409_35181415	NC_021162.1	Ca_kabuli_chr03	35181415	GG	AA	1940172456
SNP_P1_45410_35181461	NC_021162.1	Ca_kabuli_chr03	35181461	GG	TT	1940172458
SNP_P1_45412_35182995	NC_021162.1	Ca_kabuli_chr03	35182995	CC	TT	1940172460
SNP_P1_45413_35183914	NC_021162.1	Ca_kabuli_chr03	35183914	CC	TT	1940172462
SNP_P1_45414_35185268	NC_021162.1	Ca_kabuli_chr03	35185268	CC	TT	1940172464
SNP_P1_45416_35187151	NC_021162.1	Ca_kabuli_chr03	35187151	CC	TT	1940172466

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45419_35187317	NC_021162.1	Ca_kabuli_chr03	35187317	GG	TT	1940172471
SNP_P1_45421_35190083	NC_021162.1	Ca_kabuli_chr03	35190083	TT	CC	1940172473
SNP_P1_45422_35190531	NC_021162.1	Ca_kabuli_chr03	35190531	CC	GG	1940172475
SNP_P1_45423_35190618	NC_021162.1	Ca_kabuli_chr03	35190618	TT	CC	1940172477
SNP_P1_45424_35190912	NC_021162.1	Ca_kabuli_chr03	35190912	GG	TT	1940172479
SNP_P1_45426_35191177	NC_021162.1	Ca_kabuli_chr03	35191177	TT	CC	1940172481
SNP_P1_45427_35191404	NC_021162.1	Ca_kabuli_chr03	35191404	AA	TT	1940172484
SNP_P1_45429_35191596	NC_021162.1	Ca_kabuli_chr03	35191596	AA	GG	1940172486
SNP_P1_45430_35191618	NC_021162.1	Ca_kabuli_chr03	35191618	AA	CC	1940172488
SNP_P1_45431_35191644	NC_021162.1	Ca_kabuli_chr03	35191644	CC	AA	1940172490
SNP_P1_45432_35191750	NC_021162.1	Ca_kabuli_chr03	35191750	GG	CC	1940172491
SNP_P1_45434_35192380	NC_021162.1	Ca_kabuli_chr03	35192380	AA	GG	1940172492
SNP_P1_45435_35192393	NC_021162.1	Ca_kabuli_chr03	35192393	GG	TT	1940172495
SNP_P1_45436_35192433	NC_021162.1	Ca_kabuli_chr03	35192433	TT	CC	1940172497
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SNP_P1_45461_35204687	NC_021162.1	Ca_kabuli_chr03	35204687	TT	GG	1940172542
SNP_P1_45462_35204714	NC_021162.1	Ca_kabuli_chr03	35204714	GG	AA	1940172544
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SNP_P1_45466_35211296	NC_021162.1	Ca_kabuli_chr03	35211296	AA	TT	1940172551
SNP_P1_45467_35213049	NC_021162.1	Ca_kabuli_chr03	35213049	TT	GG	1940172553
SNP_P1_45469_35213116	NC_021162.1	Ca_kabuli_chr03	35213116	AA	GG	1940172555

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45473_35213633	NC_021162.1	Ca_kabuli_chr03	35213633	AA	GG	1940172564
SNP_P1_45475_35213717	NC_021162.1	Ca_kabuli_chr03	35213717	TT	AA	1940172566
SNP_P1_45476_35213948	NC_021162.1	Ca_kabuli_chr03	35213948	AA	GG	1940172568
SNP_P1_45477_35213960	NC_021162.1	Ca_kabuli_chr03	35213960	AA	GG	1940172570
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SNP_P1_45494_35218454	NC_021162.1	Ca_kabuli_chr03	35218454	TT	AA	1940172602
SNP_P1_45495_35218508	NC_021162.1	Ca_kabuli_chr03	35218508	GG	AA	1940172605
SNP_P1_45496_35218513	NC_021162.1	Ca_kabuli_chr03	35218513	CC	GG	1940172607
SNP_P1_45497_35218554	NC_021162.1	Ca_kabuli_chr03	35218554	CC	TT	1940172609
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SNP_P1_45499_35218580	NC_021162.1	Ca_kabuli_chr03	35218580	CC	TT	1940172613
SNP_P1_45500_35218727	NC_021162.1	Ca_kabuli_chr03	35218727	CC	TT	1940172615
SNP_P1_45501_35218764	NC_021162.1	Ca_kabuli_chr03	35218764	CC	TT	1940172618
SNP_P1_45502_35218770	NC_021162.1	Ca_kabuli_chr03	35218770	AA	GG	1940172620
SNP_P1_45503_35218774	NC_021162.1	Ca_kabuli_chr03	35218774	TT	CC	1940172622
SNP_P1_45504_35218809	NC_021162.1	Ca_kabuli_chr03	35218809	TT	CC	1940172624
SNP_P1_45505_35218811	NC_021162.1	Ca_kabuli_chr03	35218811	CC	AA	1940172626
SNP_P1_45506_35218812	NC_021162.1	Ca_kabuli_chr03	35218812	AA	CC	1940172628
SNP_P1_45507_35218859	NC_021162.1	Ca_kabuli_chr03	35218859	TT	CC	1940172631
SNP_P1_45508_35218860	NC_021162.1	Ca_kabuli_chr03	35218860	GG	AA	1940172633
SNP_P1_45509_35218885	NC_021162.1	Ca_kabuli_chr03	35218885	GG	AA	1940172635
SNP_P1_45510_35218900	NC_021162.1	Ca_kabuli_chr03	35218900	GG	CC	1940172637
SNP_P1_45511_35219964	NC_021162.1	Ca_kabuli_chr03	35219964	TT	CC	1940172639
SNP_P1_45512_35219965	NC_021162.1	Ca_kabuli_chr03	35219965	CC	TT	1940172641
SNP_P1_45513_35220255	NC_021162.1	Ca_kabuli_chr03	35220255	AA	GG	1940172644
SNP_P1_45514_35221349	NC_021162.1	Ca_kabuli_chr03	35221349	TT	CC	1940172646

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45516_35223766	NC_021162.1	Ca_kabuli_chr03	35223766	TT	GG	1940172650
SNP_P1_45517_35225030	NC_021162.1	Ca_kabuli_chr03	35225030	TT	GG	1940172652
SNP_P1_45518_35225825	NC_021162.1	Ca_kabuli_chr03	35225825	GG	TT	1940172654
SNP_P1_45519_35226585	NC_021162.1	Ca_kabuli_chr03	35226585	TT	CC	1940172657
SNP_P1_45522_35228105	NC_021162.1	Ca_kabuli_chr03	35228105	TT	AA	1940172659
SNP_P1_45523_35229219	NC_021162.1	Ca_kabuli_chr03	35229219	AA	TT	1940172661
SNP_P1_45524_35229356	NC_021162.1	Ca_kabuli_chr03	35229356	CC	TT	1940172663
SNP_P1_45525_35229674	NC_021162.1	Ca_kabuli_chr03	35229674	CC	TT	1940172665
SNP_P1_45526_35229720	NC_021162.1	Ca_kabuli_chr03	35229720	GG	AA	1940172667
SNP_P1_45527_35229724	NC_021162.1	Ca_kabuli_chr03	35229724	CC	TT	1940172669
SNP_P1_45528_35229726	NC_021162.1	Ca_kabuli_chr03	35229726	TT	CC	1940172672
SNP_P1_45529_35229730	NC_021162.1	Ca_kabuli_chr03	35229730	TT	CC	1940172674
SNP_P1_45530_35229738	NC_021162.1	Ca_kabuli_chr03	35229738	AA	CC	1940172676
SNP_P1_45531_35229742	NC_021162.1	Ca_kabuli_chr03	35229742	TT	CC	1940172678
SNP_P1_45532_35229975	NC_021162.1	Ca_kabuli_chr03	35229975	GG	AA	1940172680
SNP_P1_45533_35229997	NC_021162.1	Ca_kabuli_chr03	35229997	TT	CC	1940172682
SNP_P1_45534_35230034	NC_021162.1	Ca_kabuli_chr03	35230034	CC	TT	1940172685
SNP_P1_45535_35230062	NC_021162.1	Ca_kabuli_chr03	35230062	AA	CC	1940172687
SNP_P1_45537_35230423	NC_021162.1	Ca_kabuli_chr03	35230423	GG	AA	1940172689
SNP_P1_45538_35230758	NC_021162.1	Ca_kabuli_chr03	35230758	TT	CC	1940172691
SNP_P1_45539_35231808	NC_021162.1	Ca_kabuli_chr03	35231808	GG	AA	1940172693
SNP_P1_45541_35233027	NC_021162.1	Ca_kabuli_chr03	35233027	CC	TT	1940172695
SNP_P1_45542_35233191	NC_021162.1	Ca_kabuli_chr03	35233191	AA	CC	1940172698
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SNP_P1_45546_35233915	NC_021162.1	Ca_kabuli_chr03	35233915	CC	GG	1940172706
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SNP_P1_45549_35235141	NC_021162.1	Ca_kabuli_chr03	35235141	TT	CC	1940172710
SNP_P1_45550_35236437	NC_021162.1	Ca_kabuli_chr03	35236437	TT	CC	1940172713
SNP_P1_45551_35236617	NC_021162.1	Ca_kabuli_chr03	35236617	CC	GG	1940172715
SNP_P1_45552_35241310	NC_021162.1	Ca_kabuli_chr03	35241310	TT	GG	1940172717
SNP_P1_45553_35241514	NC_021162.1	Ca_kabuli_chr03	35241514	TT	CC	1940172719
SNP_P1_45554_35241974	NC_021162.1	Ca_kabuli_chr03	35241974	CC	TT	1940172721
SNP_P1_45556_35242010	NC_021162.1	Ca_kabuli_chr03	35242010	CC	TT	1940172723
SNP_P1_45557_35242104	NC_021162.1	Ca_kabuli_chr03	35242104	GG	AA	1940172726
SNP_P1_45558_35242187	NC_021162.1	Ca_kabuli_chr03	35242187	AA	GG	1940172728
SNP_P1_45559_35242214	NC_021162.1	Ca_kabuli_chr03	35242214	CC	TT	1940172730
SNP_P1_45560_35242431	NC_021162.1	Ca_kabuli_chr03	35242431	GG	AA	1940172732
SNP_P1_45561_35242698	NC_021162.1	Ca_kabuli_chr03	35242698	GG	CC	1940172734
SNP_P1_45562_35242739	NC_021162.1	Ca_kabuli_chr03	35242739	AA	GG	1940172736

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45564_35243426	NC_021162.1	Ca_kabuli_chr03	35243426	CC	TT	1940172741
SNP_P1_45565_35243616	NC_021162.1	Ca_kabuli_chr03	35243616	AA	GG	1940172743
SNP_P1_45566_35243679	NC_021162.1	Ca_kabuli_chr03	35243679	AA	TT	1940172745
SNP_P1_45567_35244387	NC_021162.1	Ca_kabuli_chr03	35244387	CC	AA	1940172747
SNP_P1_45568_35244388	NC_021162.1	Ca_kabuli_chr03	35244388	TT	AA	1940172749
SNP_P1_45569_35244428	NC_021162.1	Ca_kabuli_chr03	35244428	TT	CC	1940172751
SNP_P1_45570_35244735	NC_021162.1	Ca_kabuli_chr03	35244735	GG	AA	1940172754
SNP_P1_45571_35244776	NC_021162.1	Ca_kabuli_chr03	35244776	GG	AA	1940172756
SNP_P1_45572_35245025	NC_021162.1	Ca_kabuli_chr03	35245025	CC	TT	1940172758
SNP_P1_45573_35245162	NC_021162.1	Ca_kabuli_chr03	35245162	AA	GG	1940172760
SNP_P1_45574_35245192	NC_021162.1	Ca_kabuli_chr03	35245192	AA	TT	1940172762
SNP_P1_45575_35245227	NC_021162.1	Ca_kabuli_chr03	35245227	GG	AA	1940172764
SNP_P1_45576_35245272	NC_021162.1	Ca_kabuli_chr03	35245272	TT	CC	1940172766
SNP_P1_45577_35245282	NC_021162.1	Ca_kabuli_chr03	35245282	TT	CC	1940172769
SNP_P1_45578_35245312	NC_021162.1	Ca_kabuli_chr03	35245312	GG	CC	1940172771
SNP_P1_45579_35245324	NC_021162.1	Ca_kabuli_chr03	35245324	CC	TT	1940172773
SNP_P1_45580_35245330	NC_021162.1	Ca_kabuli_chr03	35245330	GG	CC	1940172775
SNP_P1_45581_35245335	NC_021162.1	Ca_kabuli_chr03	35245335	GG	TT	1940172777
SNP_P1_45582_35245336	NC_021162.1	Ca_kabuli_chr03	35245336	CC	TT	1940172779
SNP_P1_45583_35245957	NC_021162.1	Ca_kabuli_chr03	35245957	AA	GG	1940172782
SNP_P1_45584_35246018	NC_021162.1	Ca_kabuli_chr03	35246018	TT	AA	1940172784
SNP_P1_45585_35246067	NC_021162.1	Ca_kabuli_chr03	35246067	TT	GG	1940172786
SNP_P1_45586_35246090	NC_021162.1	Ca_kabuli_chr03	35246090	GG	AA	1940172788
SNP_P1_45587_35246106	NC_021162.1	Ca_kabuli_chr03	35246106	TT	CC	1940172790
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SNP_P1_45590_35246173	NC_021162.1	Ca_kabuli_chr03	35246173	GG	AA	1940172797
SNP_P1_45591_35246179	NC_021162.1	Ca_kabuli_chr03	35246179	GG	AA	1940172799
SNP_P1_45592_35246337	NC_021162.1	Ca_kabuli_chr03	35246337	AA	GG	1940172801
SNP_P1_45593_35246352	NC_021162.1	Ca_kabuli_chr03	35246352	AA	GG	1940172803
SNP_P1_45594_35246370	NC_021162.1	Ca_kabuli_chr03	35246370	GG	AA	1940172805
SNP_P1_45595_35247339	NC_021162.1	Ca_kabuli_chr03	35247339	GG	CC	1940172807
SNP_P1_45596_35247456	NC_021162.1	Ca_kabuli_chr03	35247456	AA	GG	1940172810
SNP_P1_45598_35247499	NC_021162.1	Ca_kabuli_chr03	35247499	GG	CC	1940172812
SNP_P1_45601_35248163	NC_021162.1	Ca_kabuli_chr03	35248163	GG	AA	1940172814
SNP_P1_45602_35248213	NC_021162.1	Ca_kabuli_chr03	35248213	TT	AA	1940172816
SNP_P1_45604_35248369	NC_021162.1	Ca_kabuli_chr03	35248369	CC	TT	1940172818
SNP_P1_45605_35248370	NC_021162.1	Ca_kabuli_chr03	35248370	TT	GG	1940172820
SNP_P1_45607_35248489	NC_021162.1	Ca_kabuli_chr03	35248489	GG	AA	1940172823
SNP_P1_45608_35248502	NC_021162.1	Ca_kabuli_chr03	35248502	CC	TT	1940172825
SNP_P1_45609_35248844	NC_021162.1	Ca_kabuli_chr03	35248844	GG	AA	1940172827

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45612_35248919	NC_021162.1	Ca_kabuli_chr03	35248919	GG	AA	1940172833
SNP_P1_45613_35249401	NC_021162.1	Ca_kabuli_chr03	35249401	AA	GG	1940172835
SNP_P1_45614_35249440	NC_021162.1	Ca_kabuli_chr03	35249440	CC	TT	1940172838
SNP_P1_45615_35249464	NC_021162.1	Ca_kabuli_chr03	35249464	GG	AA	1940172840
SNP_P1_45616_35249506	NC_021162.1	Ca_kabuli_chr03	35249506	CC	AA	1940172842
SNP_P1_45617_35249508	NC_021162.1	Ca_kabuli_chr03	35249508	AA	TT	1940172844
SNP_P1_45618_35249547	NC_021162.1	Ca_kabuli_chr03	35249547	AA	GG	1940172846
SNP_P1_45619_35249556	NC_021162.1	Ca_kabuli_chr03	35249556	TT	CC	1940172848
SNP_P1_45620_35249633	NC_021162.1	Ca_kabuli_chr03	35249633	CC	TT	1940172850
SNP_P1_45621_35249636	NC_021162.1	Ca_kabuli_chr03	35249636	TT	CC	1940172853
SNP_P1_45622_35249661	NC_021162.1	Ca_kabuli_chr03	35249661	GG	AA	1940172855
SNP_P1_45623_35249667	NC_021162.1	Ca_kabuli_chr03	35249667	TT	CC	1940172857
SNP_P1_45624_35249727	NC_021162.1	Ca_kabuli_chr03	35249727	TT	CC	1940172859
SNP_P1_45625_35249865	NC_021162.1	Ca_kabuli_chr03	35249865	GG	AA	1940172861
SNP_P1_45626_35250228	NC_021162.1	Ca_kabuli_chr03	35250228	AA	TT	1940172863
SNP_P1_45627_35250233	NC_021162.1	Ca_kabuli_chr03	35250233	GG	AA	1940172865
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SNP_P1_45630_35251477	NC_021162.1	Ca_kabuli_chr03	35251477	TT	AA	1940172870
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SNP_P1_45633_35251532	NC_021162.1	Ca_kabuli_chr03	35251532	GG	AA	1940172876
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SNP_P1_45639_35252786	NC_021162.1	Ca_kabuli_chr03	35252786	TT	CC	1940172889
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SNP_P1_45641_35253123	NC_021162.1	Ca_kabuli_chr03	35253123	TT	CC	1940172893
SNP_P1_45642_35253161	NC_021162.1	Ca_kabuli_chr03	35253161	CC	TT	1940172896
SNP_P1_45643_35253162	NC_021162.1	Ca_kabuli_chr03	35253162	CC	AA	1940172898
SNP_P1_45644_35253205	NC_021162.1	Ca_kabuli_chr03	35253205	TT	CC	1940172900
SNP_P1_45645_35253517	NC_021162.1	Ca_kabuli_chr03	35253517	AA	GG	1940172902
SNP_P1_45646_35253767	NC_021162.1	Ca_kabuli_chr03	35253767	CC	TT	1940172904
SNP_P1_45647_35253835	NC_021162.1	Ca_kabuli_chr03	35253835	GG	AA	1940172906
SNP_P1_45648_35253839	NC_021162.1	Ca_kabuli_chr03	35253839	GG	AA	1940172908
SNP_P1_45649_35253892	NC_021162.1	Ca_kabuli_chr03	35253892	AA	GG	1940172911
SNP_P1_45650_35253918	NC_021162.1	Ca_kabuli_chr03	35253918	GG	AA	1940172913
SNP_P1_45651_35253926	NC_021162.1	Ca_kabuli_chr03	35253926	GG	AA	1940172915
SNP_P1_45652_35253988	NC_021162.1	Ca_kabuli_chr03	35253988	TT	CC	1940172917

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45655_35254928	NC_021162.1	Ca_kabuli_chr03	35254928	AA	GG	1940172924
SNP_P1_45656_35254947	NC_021162.1	Ca_kabuli_chr03	35254947	TT	CC	1940172926
SNP_P1_45657_35255056	NC_021162.1	Ca_kabuli_chr03	35255056	AA	TT	1940172928
SNP_P1_45658_35256563	NC_021162.1	Ca_kabuli_chr03	35256563	TT	CC	1940172930
SNP_P1_45659_35256571	NC_021162.1	Ca_kabuli_chr03	35256571	CC	TT	1940172932
SNP_P1_45660_35256589	NC_021162.1	Ca_kabuli_chr03	35256589	CC	AA	1940172934
SNP_P1_45661_35256670	NC_021162.1	Ca_kabuli_chr03	35256670	TT	CC	1940172936
SNP_P1_45662_35256679	NC_021162.1	Ca_kabuli_chr03	35256679	CC	TT	1940172939
SNP_P1_45663_35256682	NC_021162.1	Ca_kabuli_chr03	35256682	CC	TT	1940172941
SNP_P1_45664_35256689	NC_021162.1	Ca_kabuli_chr03	35256689	TT	GG	1940172943
SNP_P1_45665_35256704	NC_021162.1	Ca_kabuli_chr03	35256704	TT	CC	1940172945
SNP_P1_45666_35256707	NC_021162.1	Ca_kabuli_chr03	35256707	TT	CC	1940172947
SNP_P1_45667_35256708	NC_021162.1	Ca_kabuli_chr03	35256708	TT	CC	1940172949
SNP_P1_45668_35256757	NC_021162.1	Ca_kabuli_chr03	35256757	GG	AA	1940172952
SNP_P1_45669_35256914	NC_021162.1	Ca_kabuli_chr03	35256914	TT	CC	1940172954
SNP_P1_45671_35257174	NC_021162.1	Ca_kabuli_chr03	35257174	AA	GG	1940172956
SNP_P1_45672_35257191	NC_021162.1	Ca_kabuli_chr03	35257191	AA	GG	1940172958
SNP_P1_45673_35257197	NC_021162.1	Ca_kabuli_chr03	35257197	GG	AA	1940172960
SNP_P1_45674_35257198	NC_021162.1	Ca_kabuli_chr03	35257198	CC	TT	1940172962
SNP_P1_45675_35257239	NC_021162.1	Ca_kabuli_chr03	35257239	GG	AA	1940172964
SNP_P1_45676_35257263	NC_021162.1	Ca_kabuli_chr03	35257263	AA	GG	1940172967
SNP_P1_45677_35257317	NC_021162.1	Ca_kabuli_chr03	35257317	CC	TT	1940172969
SNP_P1_45679_35257541	NC_021162.1	Ca_kabuli_chr03	35257541	TT	AA	1940172971
SNP_P1_45681_35260637	NC_021162.1	Ca_kabuli_chr03	35260637	AA	GG	1940172973
SNP_P1_45682_35260770	NC_021162.1	Ca_kabuli_chr03	35260770	AA	CC	1940172975
SNP_P1_45684_35261425	NC_021162.1	Ca_kabuli_chr03	35261425	TT	CC	1940172977
SNP_P1_45685_35261783	NC_021162.1	Ca_kabuli_chr03	35261783	CC	TT	1940172980
SNP_P1_45687_35261854	NC_021162.1	Ca_kabuli_chr03	35261854	TT	GG	1940172982
SNP_P1_45688_35262128	NC_021162.1	Ca_kabuli_chr03	35262128	TT	CC	1940172984
SNP_P1_45689_35263883	NC_021162.1	Ca_kabuli_chr03	35263883	GG	AA	1940172986
SNP_P1_45690_35263884	NC_021162.1	Ca_kabuli_chr03	35263884	CC	TT	1940172988
SNP_P1_45691_35264253	NC_021162.1	Ca_kabuli_chr03	35264253	CC	TT	1940172990
SNP_P1_45692_35264256	NC_021162.1	Ca_kabuli_chr03	35264256	TT	AA	1940172993
SNP_P1_45694_35264437	NC_021162.1	Ca_kabuli_chr03	35264437	AA	GG	1940172995
SNP_P1_45695_35264460	NC_021162.1	Ca_kabuli_chr03	35264460	TT	CC	1940172997
SNP_P1_45696_35264490	NC_021162.1	Ca_kabuli_chr03	35264490	AA	TT	1940172999
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SNP_P1_45698_35264697	NC_021162.1	Ca_kabuli_chr03	35264697	TT	GG	1940173003
SNP_P1_45699_35265091	NC_021162.1	Ca_kabuli_chr03	35265091	AA	GG	1940173005
SNP_P1_45700_35265117	NC_021162.1	Ca_kabuli_chr03	35265117	CC	TT	1940173008

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45705_35266486	NC_021162.1	Ca_kabuli_chr03	35266486	CC	TT	1940173016
SNP_P1_45706_35266708	NC_021162.1	Ca_kabuli_chr03	35266708	GG	AA	1940173018
SNP_P1_45707_35266875	NC_021162.1	Ca_kabuli_chr03	35266875	GG	AA	1940173021
SNP_P1_45708_35266950	NC_021162.1	Ca_kabuli_chr03	35266950	TT	AA	1940173023
SNP_P1_45709_35267165	NC_021162.1	Ca_kabuli_chr03	35267165	CC	TT	1940173025
SNP_P1_45710_35267279	NC_021162.1	Ca_kabuli_chr03	35267279	AA	GG	1940173027
SNP_P1_45711_35267523	NC_021162.1	Ca_kabuli_chr03	35267523	AA	GG	1940173029
SNP_P1_45712_35267594	NC_021162.1	Ca_kabuli_chr03	35267594	AA	GG	1940173031
SNP_P1_45713_35267620	NC_021162.1	Ca_kabuli_chr03	35267620	GG	AA	1940173033
SNP_P1_45715_35268807	NC_021162.1	Ca_kabuli_chr03	35268807	CC	GG	1940173036
SNP_P1_45716_35272377	NC_021162.1	Ca_kabuli_chr03	35272377	CC	TT	1940173038
SNP_P1_45717_35274334	NC_021162.1	Ca_kabuli_chr03	35274334	TT	GG	1940173040
SNP_P1_45718_35275532	NC_021162.1	Ca_kabuli_chr03	35275532	TT	GG	1940173042
SNP_P1_45719_35278578	NC_021162.1	Ca_kabuli_chr03	35278578	GG	AA	1940173044
SNP_P1_45720_35279177	NC_021162.1	Ca_kabuli_chr03	35279177	GG	CC	1940173046
SNP_P1_45723_35285212	NC_021162.1	Ca_kabuli_chr03	35285212	CC	TT	1940173049
SNP_P1_45724_35285463	NC_021162.1	Ca_kabuli_chr03	35285463	TT	GG	1940173051
SNP_P1_45725_35285488	NC_021162.1	Ca_kabuli_chr03	35285488	CC	GG	1940173053
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SNP_P1_45727_35285554	NC_021162.1	Ca_kabuli_chr03	35285554	GG	AA	1940173057
SNP_P1_45728_35285594	NC_021162.1	Ca_kabuli_chr03	35285594	AA	CC	1940173059
SNP_P1_45729_35285994	NC_021162.1	Ca_kabuli_chr03	35285994	TT	CC	1940173062
SNP_P1_45730_35285996	NC_021162.1	Ca_kabuli_chr03	35285996	GG	AA	1940173064
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SNP_P1_45733_35286227	NC_021162.1	Ca_kabuli_chr03	35286227	CC	TT	1940173070
SNP_P1_45734_35286242	NC_021162.1	Ca_kabuli_chr03	35286242	CC	TT	1940173072
SNP_P1_45735_35286250	NC_021162.1	Ca_kabuli_chr03	35286250	AA	GG	1940173074
SNP_P1_45736_35286445	NC_021162.1	Ca_kabuli_chr03	35286445	TT	CC	1940173077
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SNP_P1_45738_35286486	NC_021162.1	Ca_kabuli_chr03	35286486	AA	TT	1940173081
SNP_P1_45739_35287518	NC_021162.1	Ca_kabuli_chr03	35287518	TT	CC	1940173083
SNP_P1_45740_35287914	NC_021162.1	Ca_kabuli_chr03	35287914	AA	GG	1940173085
SNP_P1_45741_35289150	NC_021162.1	Ca_kabuli_chr03	35289150	CC	TT	1940173087
SNP_P1_45743_35289941	NC_021162.1	Ca_kabuli_chr03	35289941	TT	CC	1940173090
SNP_P1_45744_35290669	NC_021162.1	Ca_kabuli_chr03	35290669	GG	TT	1940173092
SNP_P1_45745_35290986	NC_021162.1	Ca_kabuli_chr03	35290986	GG	AA	1940173094
SNP_P1_45747_35294594	NC_021162.1	Ca_kabuli_chr03	35294594	AA	CC	1940173096
SNP_P1_45748_35294654	NC_021162.1	Ca_kabuli_chr03	35294654	GG	AA	1940173098

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45751_35298417	NC_021162.1	Ca_kabuli_chr03	35298417	AA	GG	1940173105
SNP_P1_45752_35298939	NC_021162.1	Ca_kabuli_chr03	35298939	GG	AA	1940173107
SNP_P1_45753_35299170	NC_021162.1	Ca_kabuli_chr03	35299170	GG	AA	1940173109
SNP_P1_45755_35299805	NC_021162.1	Ca_kabuli_chr03	35299805	CC	TT	1940173111
SNP_P1_45757_35301374	NC_021162.1	Ca_kabuli_chr03	35301374	TT	CC	1940173113
SNP_P1_45758_35301377	NC_021162.1	Ca_kabuli_chr03	35301377	GG	CC	1940173115
SNP_P1_45759_35301379	NC_021162.1	Ca_kabuli_chr03	35301379	GG	AA	1940173118
SNP_P1_45760_35301511	NC_021162.1	Ca_kabuli_chr03	35301511	TT	CC	1940173120
SNP_P1_45761_35301513	NC_021162.1	Ca_kabuli_chr03	35301513	TT	CC	1940173122
SNP_P1_45762_35301555	NC_021162.1	Ca_kabuli_chr03	35301555	TT	CC	1940173124
SNP_P1_45763_35301563	NC_021162.1	Ca_kabuli_chr03	35301563	GG	AA	1940173126
SNP_P1_45764_35301578	NC_021162.1	Ca_kabuli_chr03	35301578	GG	AA	1940173128
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SNP_P1_45767_35302057	NC_021162.1	Ca_kabuli_chr03	35302057	GG	AA	1940173134
SNP_P1_45769_35302932	NC_021162.1	Ca_kabuli_chr03	35302932	GG	AA	1940173136
SNP_P1_45771_35303286	NC_021162.1	Ca_kabuli_chr03	35303286	TT	CC	1940173138
SNP_P1_45773_35303448	NC_021162.1	Ca_kabuli_chr03	35303448	TT	CC	1940173141
SNP_P1_45775_35303471	NC_021162.1	Ca_kabuli_chr03	35303471	CC	AA	1940173143
SNP_P1_45776_35303608	NC_021162.1	Ca_kabuli_chr03	35303608	GG	CC	1940173145
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SNP_P1_45779_35304413	NC_021162.1	Ca_kabuli_chr03	35304413	GG	AA	1940173149
SNP_P1_45780_35304414	NC_021162.1	Ca_kabuli_chr03	35304414	AA	TT	1940173151
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SNP_P1_45785_35305100	NC_021162.1	Ca_kabuli_chr03	35305100	GG	AA	1940173160
SNP_P1_45786_35305202	NC_021162.1	Ca_kabuli_chr03	35305202	CC	AA	1940173162
SNP_P1_45788_35305462	NC_021162.1	Ca_kabuli_chr03	35305462	AA	GG	1940173164
SNP_P1_45789_35305471	NC_021162.1	Ca_kabuli_chr03	35305471	TT	AA	1940173166
SNP_P1_45790_35305481	NC_021162.1	Ca_kabuli_chr03	35305481	CC	TT	1940173169
SNP_P1_45791_35305666	NC_021162.1	Ca_kabuli_chr03	35305666	GG	AA	1940173171
SNP_P1_45792_35306378	NC_021162.1	Ca_kabuli_chr03	35306378	CC	GG	1940173173
SNP_P1_45794_35306661	NC_021162.1	Ca_kabuli_chr03	35306661	TT	CC	1940173175
SNP_P1_45795_35306663	NC_021162.1	Ca_kabuli_chr03	35306663	AA	GG	1940173177
SNP_P1_45796_35306669	NC_021162.1	Ca_kabuli_chr03	35306669	TT	GG	1940173179
SNP_P1_45798_35307551	NC_021162.1	Ca_kabuli_chr03	35307551	TT	CC	1940173182
SNP_P1_45799_35307553	NC_021162.1	Ca_kabuli_chr03	35307553	AA	GG	1940173184
SNP_P1_45800_35307600	NC_021162.1	Ca_kabuli_chr03	35307600	GG	AA	1940173186
SNP_P1_45803_35309455	NC_021162.1	Ca_kabuli_chr03	35309455	GG	TT	1940173188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45806_35311114	NC_021162.1	Ca_kabuli_chr03	35311114	AA	TT	1940173194
SNP_P1_45807_35311129	NC_021162.1	Ca_kabuli_chr03	35311129	TT	GG	1940173197
SNP_P1_45808_35311173	NC_021162.1	Ca_kabuli_chr03	35311173	TT	GG	1940173199
SNP_P1_45809_35311218	NC_021162.1	Ca_kabuli_chr03	35311218	AA	GG	1940173201
SNP_P1_45810_35311249	NC_021162.1	Ca_kabuli_chr03	35311249	TT	CC	1940173203
SNP_P1_45811_35311788	NC_021162.1	Ca_kabuli_chr03	35311788	GG	AA	1940173205
SNP_P1_45813_35311835	NC_021162.1	Ca_kabuli_chr03	35311835	AA	CC	1940173207
SNP_P1_45814_35311840	NC_021162.1	Ca_kabuli_chr03	35311840	GG	AA	1940173210
SNP_P1_45815_35311972	NC_021162.1	Ca_kabuli_chr03	35311972	CC	TT	1940173212
SNP_P1_45817_35312293	NC_021162.1	Ca_kabuli_chr03	35312293	GG	AA	1940173214
SNP_P1_45818_35312317	NC_021162.1	Ca_kabuli_chr03	35312317	CC	GG	1940173216
SNP_P1_45820_35312564	NC_021162.1	Ca_kabuli_chr03	35312564	GG	AA	1940173218
SNP_P1_45821_35312835	NC_021162.1	Ca_kabuli_chr03	35312835	GG	CC	1940173220
SNP_P1_45822_35312857	NC_021162.1	Ca_kabuli_chr03	35312857	GG	AA	1940173222
SNP_P1_45823_35312861	NC_021162.1	Ca_kabuli_chr03	35312861	CC	TT	1940173225
SNP_P1_45824_35314275	NC_021162.1	Ca_kabuli_chr03	35314275	TT	CC	1940173227
SNP_P1_45825_35314277	NC_021162.1	Ca_kabuli_chr03	35314277	CC	AA	1940173229
SNP_P1_45826_35314288	NC_021162.1	Ca_kabuli_chr03	35314288	AA	GG	1940173231
SNP_P1_45827_35314808	NC_021162.1	Ca_kabuli_chr03	35314808	GG	CC	1940173233
SNP_P1_45828_35314842	NC_021162.1	Ca_kabuli_chr03	35314842	TT	AA	1940173235
SNP_P1_45829_35315108	NC_021162.1	Ca_kabuli_chr03	35315108	AA	TT	1940173238
SNP_P1_45830_35315194	NC_021162.1	Ca_kabuli_chr03	35315194	CC	TT	1940173240
SNP_P1_45831_35315464	NC_021162.1	Ca_kabuli_chr03	35315464	CC	GG	1940173242
SNP_P1_45832_35315482	NC_021162.1	Ca_kabuli_chr03	35315482	TT	CC	1940173244
SNP_P1_45833_35315507	NC_021162.1	Ca_kabuli_chr03	35315507	GG	TT	1940173246
SNP_P1_45834_35315511	NC_021162.1	Ca_kabuli_chr03	35315511	GG	TT	1940173248
SNP_P1_45835_35315539	NC_021162.1	Ca_kabuli_chr03	35315539	GG	AA	1940173250
SNP_P1_45836_35315651	NC_021162.1	Ca_kabuli_chr03	35315651	TT	CC	1940173253
SNP_P1_45838_35316089	NC_021162.1	Ca_kabuli_chr03	35316089	AA	CC	1940173255
SNP_P1_45839_35316268	NC_021162.1	Ca_kabuli_chr03	35316268	AA	GG	1940173257
SNP_P1_45840_35316341	NC_021162.1	Ca_kabuli_chr03	35316341	TT	GG	1940173259
SNP_P1_45841_35316350	NC_021162.1	Ca_kabuli_chr03	35316350	TT	AA	1940173261
SNP_P1_45842_35316765	NC_021162.1	Ca_kabuli_chr03	35316765	TT	CC	1940173263
SNP_P1_45843_35316772	NC_021162.1	Ca_kabuli_chr03	35316772	TT	GG	1940173266
SNP_P1_45844_35316775	NC_021162.1	Ca_kabuli_chr03	35316775	CC	AA	1940173268
SNP_P1_45845_35316833	NC_021162.1	Ca_kabuli_chr03	35316833	TT	CC	1940173270
SNP_P1_45846_35316869	NC_021162.1	Ca_kabuli_chr03	35316869	AA	GG	1940173272
SNP_P1_45847_35316909	NC_021162.1	Ca_kabuli_chr03	35316909	TT	CC	1940173274
SNP_P1_45848_35316950	NC_021162.1	Ca_kabuli_chr03	35316950	CC	AA	1940173276
SNP_P1_45849_35316960	NC_021162.1	Ca_kabuli_chr03	35316960	GG	AA	1940173278

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45852_35317104	NC_021162.1	Ca_kabuli_chr03	35317104	TT	CC	1940173285
SNP_P1_45853_35317296	NC_021162.1	Ca_kabuli_chr03	35317296	GG	TT	1940173287
SNP_P1_45855_35319200	NC_021162.1	Ca_kabuli_chr03	35319200	CC	TT	1940173289
SNP_P1_45856_35319415	NC_021162.1	Ca_kabuli_chr03	35319415	GG	AA	1940173291
SNP_P1_45857_35319458	NC_021162.1	Ca_kabuli_chr03	35319458	CC	GG	1940173294
SNP_P1_45860_35320003	NC_021162.1	Ca_kabuli_chr03	35320003	CC	AA	1940173296
SNP_P1_45861_35320172	NC_021162.1	Ca_kabuli_chr03	35320172	AA	CC	1940173298
SNP_P1_45862_35320307	NC_021162.1	Ca_kabuli_chr03	35320307	GG	AA	1940173300
SNP_P1_45863_35320392	NC_021162.1	Ca_kabuli_chr03	35320392	AA	GG	1940173302
SNP_P1_45864_35320402	NC_021162.1	Ca_kabuli_chr03	35320402	AA	GG	1940173304
SNP_P1_45865_35320403	NC_021162.1	Ca_kabuli_chr03	35320403	TT	CC	1940173306
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SNP_P1_45867_35323226	NC_021162.1	Ca_kabuli_chr03	35323226	TT	GG	1940173311
SNP_P1_45868_35323249	NC_021162.1	Ca_kabuli_chr03	35323249	TT	CC	1940173313
SNP_P1_45869_35323275	NC_021162.1	Ca_kabuli_chr03	35323275	CC	TT	1940173315
SNP_P1_45870_35323281	NC_021162.1	Ca_kabuli_chr03	35323281	GG	AA	1940173317
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SNP_P1_45875_35324087	NC_021162.1	Ca_kabuli_chr03	35324087	TT	CC	1940173328
SNP_P1_45876_35324088	NC_021162.1	Ca_kabuli_chr03	35324088	AA	TT	1940173330
SNP_P1_45877_35324269	NC_021162.1	Ca_kabuli_chr03	35324269	CC	TT	1940173332
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SNP_P1_45880_35324881	NC_021162.1	Ca_kabuli_chr03	35324881	TT	AA	1940173339
SNP_P1_45881_35324913	NC_021162.1	Ca_kabuli_chr03	35324913	TT	CC	1940173341
SNP_P1_45882_35324951	NC_021162.1	Ca_kabuli_chr03	35324951	AA	TT	1940173343
SNP_P1_45883_35327319	NC_021162.1	Ca_kabuli_chr03	35327319	TT	CC	1940173345
SNP_P1_45885_35327384	NC_021162.1	Ca_kabuli_chr03	35327384	AA	CC	1940173347
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SNP_P1_45888_35328778	NC_021162.1	Ca_kabuli_chr03	35328778	TT	GG	1940173354
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SNP_P1_45893_35333009	NC_021162.1	Ca_kabuli_chr03	35333009	GG	TT	1940173362
SNP_P1_45894_35333053	NC_021162.1	Ca_kabuli_chr03	35333053	TT	AA	1940173364
SNP_P1_45895_35333449	NC_021162.1	Ca_kabuli_chr03	35333449	CC	AA	1940173367
SNP_P1_45896_35333508	NC_021162.1	Ca_kabuli_chr03	35333508	GG	AA	1940173369

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45899_35334908	NC_021162.1	Ca_kabuli_chr03	35334908	AA	GG	1940173374
SNP_P1_45900_35334917	NC_021162.1	Ca_kabuli_chr03	35334917	AA	TT	1940173376
SNP_P1_45902_35334987	NC_021162.1	Ca_kabuli_chr03	35334987	AA	GG	1940173378
SNP_P1_45903_35335021	NC_021162.1	Ca_kabuli_chr03	35335021	TT	CC	1940173380
SNP_P1_45904_35335207	NC_021162.1	Ca_kabuli_chr03	35335207	GG	AA	1940173383
SNP_P1_45905_35335292	NC_021162.1	Ca_kabuli_chr03	35335292	AA	CC	1940173385
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SNP_P1_45907_35335498	NC_021162.1	Ca_kabuli_chr03	35335498	GG	AA	1940173389
SNP_P1_45908_35335541	NC_021162.1	Ca_kabuli_chr03	35335541	AA	TT	1940173391
SNP_P1_45909_35335570	NC_021162.1	Ca_kabuli_chr03	35335570	AA	GG	1940173393
SNP_P1_45911_35335649	NC_021162.1	Ca_kabuli_chr03	35335649	AA	GG	1940173396
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SNP_P1_45913_35335800	NC_021162.1	Ca_kabuli_chr03	35335800	CC	GG	1940173400
SNP_P1_45914_35335815	NC_021162.1	Ca_kabuli_chr03	35335815	TT	CC	1940173402
SNP_P1_45915_35335834	NC_021162.1	Ca_kabuli_chr03	35335834	AA	TT	1940173404
SNP_P1_45916_35336102	NC_021162.1	Ca_kabuli_chr03	35336102	AA	GG	1940173406
SNP_P1_45917_35336784	NC_021162.1	Ca_kabuli_chr03	35336784	TT	CC	1940173408
SNP_P1_45918_35336793	NC_021162.1	Ca_kabuli_chr03	35336793	TT	CC	1940173411
SNP_P1_45919_35336796	NC_021162.1	Ca_kabuli_chr03	35336796	TT	AA	1940173413
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SNP_P1_45922_35337016	NC_021162.1	Ca_kabuli_chr03	35337016	TT	AA	1940173417
SNP_P1_45923_35337224	NC_021162.1	Ca_kabuli_chr03	35337224	GG	CC	1940173419
SNP_P1_45924_35337247	NC_021162.1	Ca_kabuli_chr03	35337247	CC	TT	1940173421
SNP_P1_45925_35337268	NC_021162.1	Ca_kabuli_chr03	35337268	GG	TT	1940173423
SNP_P1_45926_35337274	NC_021162.1	Ca_kabuli_chr03	35337274	CC	AA	1940173425
SNP_P1_45927_35337298	NC_021162.1	Ca_kabuli_chr03	35337298	AA	CC	1940173426
SNP_P1_45929_35339445	NC_021162.1	Ca_kabuli_chr03	35339445	GG	AA	1940173427
SNP_P1_45930_35339446	NC_021162.1	Ca_kabuli_chr03	35339446	GG	TT	1940173428
SNP_P1_45931_35339549	NC_021162.1	Ca_kabuli_chr03	35339549	TT	AA	1940173431
SNP_P1_45932_35339734	NC_021162.1	Ca_kabuli_chr03	35339734	CC	AA	1940173433
SNP_P1_45933_35340262	NC_021162.1	Ca_kabuli_chr03	35340262	CC	TT	1940173435
SNP_P1_45934_35340501	NC_021162.1	Ca_kabuli_chr03	35340501	CC	TT	1940173437
SNP_P1_45935_35340536	NC_021162.1	Ca_kabuli_chr03	35340536	CC	TT	1940173439
SNP_P1_45936_35340564	NC_021162.1	Ca_kabuli_chr03	35340564	CC	AA	1940173441
SNP_P1_45937_35340979	NC_021162.1	Ca_kabuli_chr03	35340979	AA	GG	1940173443
SNP_P1_45939_35341992	NC_021162.1	Ca_kabuli_chr03	35341992	TT	CC	1940173446
SNP_P1_45940_35341999	NC_021162.1	Ca_kabuli_chr03	35341999	CC	TT	1940173448
SNP_P1_45941_35342362	NC_021162.1	Ca_kabuli_chr03	35342362	GG	AA	1940173450
SNP_P1_45942_35342375	NC_021162.1	Ca_kabuli_chr03	35342375	TT	AA	1940173452
SNP_P1_45943_35342377	NC_021162.1	Ca_kabuli_chr03	35342377	AA	TT	1940173454

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45946_35342757	NC_021162.1	Ca_kabuli_chr03	35342757	CC	TT	1940173461
SNP_P1_45947_35342760	NC_021162.1	Ca_kabuli_chr03	35342760	GG	CC	1940173463
SNP_P1_45948_35342785	NC_021162.1	Ca_kabuli_chr03	35342785	AA	TT	1940173465
SNP_P1_45949_35342790	NC_021162.1	Ca_kabuli_chr03	35342790	TT	CC	1940173467
SNP_P1_45950_35343151	NC_021162.1	Ca_kabuli_chr03	35343151	CC	TT	1940173469
SNP_P1_45951_35343173	NC_021162.1	Ca_kabuli_chr03	35343173	CC	TT	1940173471
SNP_P1_45952_35346524	NC_021162.1	Ca_kabuli_chr03	35346524	CC	AA	1940173473
SNP_P1_45953_35346883	NC_021162.1	Ca_kabuli_chr03	35346883	AA	TT	1940173476
SNP_P1_45954_35346894	NC_021162.1	Ca_kabuli_chr03	35346894	AA	GG	1940173478
SNP_P1_45955_35347637	NC_021162.1	Ca_kabuli_chr03	35347637	TT	AA	1940173480
SNP_P1_45956_35347695	NC_021162.1	Ca_kabuli_chr03	35347695	TT	CC	1940173482
SNP_P1_45957_35347698	NC_021162.1	Ca_kabuli_chr03	35347698	TT	GG	1940173484
SNP_P1_45959_35348017	NC_021162.1	Ca_kabuli_chr03	35348017	TT	AA	1940173486
SNP_P1_45960_35349117	NC_021162.1	Ca_kabuli_chr03	35349117	TT	CC	1940173489
SNP_P1_45962_35349568	NC_021162.1	Ca_kabuli_chr03	35349568	AA	CC	1940173491
SNP_P1_45963_35349650	NC_021162.1	Ca_kabuli_chr03	35349650	AA	TT	1940173493
SNP_P1_45964_35350337	NC_021162.1	Ca_kabuli_chr03	35350337	AA	TT	1940173495
SNP_P1_45965_35350342	NC_021162.1	Ca_kabuli_chr03	35350342	CC	AA	1940173497
SNP_P1_45966_35350354	NC_021162.1	Ca_kabuli_chr03	35350354	AA	CC	1940173499
SNP_P1_45967_35350356	NC_021162.1	Ca_kabuli_chr03	35350356	GG	CC	1940173501
SNP_P1_45968_35350388	NC_021162.1	Ca_kabuli_chr03	35350388	AA	CC	1940173504
SNP_P1_45969_35350400	NC_021162.1	Ca_kabuli_chr03	35350400	AA	TT	1940173506
SNP_P1_45970_35350403	NC_021162.1	Ca_kabuli_chr03	35350403	CC	AA	1940173508
SNP_P1_45971_35350462	NC_021162.1	Ca_kabuli_chr03	35350462	TT	CC	1940173510
SNP_P1_45972_35350533	NC_021162.1	Ca_kabuli_chr03	35350533	GG	AA	1940173512
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SNP_P1_45974_35350755	NC_021162.1	Ca_kabuli_chr03	35350755	CC	AA	1940173517
SNP_P1_45975_35351036	NC_021162.1	Ca_kabuli_chr03	35351036	AA	GG	1940173519
SNP_P1_45976_35351044	NC_021162.1	Ca_kabuli_chr03	35351044	CC	AA	1940173521
SNP_P1_45977_35351060	NC_021162.1	Ca_kabuli_chr03	35351060	CC	TT	1940173523
SNP_P1_45978_35351064	NC_021162.1	Ca_kabuli_chr03	35351064	CC	GG	1940173525
SNP_P1_45979_35351144	NC_021162.1	Ca_kabuli_chr03	35351144	AA	GG	1940173527
SNP_P1_45980_35351360	NC_021162.1	Ca_kabuli_chr03	35351360	AA	TT	1940173529
SNP_P1_45982_35352584	NC_021162.1	Ca_kabuli_chr03	35352584	AA	GG	1940173532
SNP_P1_45983_35354159	NC_021162.1	Ca_kabuli_chr03	35354159	TT	AA	1940173534
SNP_P1_45984_35354207	NC_021162.1	Ca_kabuli_chr03	35354207	TT	CC	1940173535
SNP_P1_45985_35354217	NC_021162.1	Ca_kabuli_chr03	35354217	AA	GG	1940173536
SNP_P1_45986_35357450	NC_021162.1	Ca_kabuli_chr03	35357450	TT	AA	1940173539
SNP_P1_45987_35357975	NC_021162.1	Ca_kabuli_chr03	35357975	CC	TT	1940173541
SNP_P1_45989_35358240	NC_021162.1	Ca_kabuli_chr03	35358240	TT	CC	1940173543

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_45992_35358510	NC_021162.1	Ca_kabuli_chr03	35358510	CC	TT	1940173549
SNP_P1_45993_35358581	NC_021162.1	Ca_kabuli_chr03	35358581	AA	TT	1940173552
SNP_P1_45994_35358582	NC_021162.1	Ca_kabuli_chr03	35358582	TT	AA	1940173554
SNP_P1_45995_35358585	NC_021162.1	Ca_kabuli_chr03	35358585	AA	TT	1940173556
SNP_P1_45996_35358741	NC_021162.1	Ca_kabuli_chr03	35358741	GG	AA	1940173558
SNP_P1_45997_35359660	NC_021162.1	Ca_kabuli_chr03	35359660	CC	TT	1940173560
SNP_P1_45998_35359962	NC_021162.1	Ca_kabuli_chr03	35359962	GG	AA	1940173562
SNP_P1_45999_35359976	NC_021162.1	Ca_kabuli_chr03	35359976	TT	GG	1940173564
SNP_P1_46000_35360017	NC_021162.1	Ca_kabuli_chr03	35360017	TT	CC	1940173567
SNP_P1_46001_35360018	NC_021162.1	Ca_kabuli_chr03	35360018	AA	GG	1940173569
SNP_P1_46002_35360083	NC_021162.1	Ca_kabuli_chr03	35360083	AA	GG	1940173571
SNP_P1_46004_35361456	NC_021162.1	Ca_kabuli_chr03	35361456	GG	TT	1940173573
SNP_P1_46006_35361649	NC_021162.1	Ca_kabuli_chr03	35361649	GG	AA	1940173575
SNP_P1_46007_35361651	NC_021162.1	Ca_kabuli_chr03	35361651	AA	CC	1940173577
SNP_P1_46009_35362339	NC_021162.1	Ca_kabuli_chr03	35362339	AA	GG	1940173579
SNP_P1_46012_35362877	NC_021162.1	Ca_kabuli_chr03	35362877	CC	TT	1940173581
SNP_P1_46013_35362924	NC_021162.1	Ca_kabuli_chr03	35362924	TT	GG	1940173583
SNP_P1_46014_35362926	NC_021162.1	Ca_kabuli_chr03	35362926	AA	TT	1940173586
SNP_P1_46015_35362932	NC_021162.1	Ca_kabuli_chr03	35362932	TT	AA	1940173588
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SNP_P1_46017_35363113	NC_021162.1	Ca_kabuli_chr03	35363113	TT	GG	1940173592
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SNP_P1_46019_35363302	NC_021162.1	Ca_kabuli_chr03	35363302	AA	GG	1940173596
SNP_P1_46020_35363308	NC_021162.1	Ca_kabuli_chr03	35363308	TT	CC	1940173597
SNP_P1_46021_35363309	NC_021162.1	Ca_kabuli_chr03	35363309	TT	CC	1940173598
SNP_P1_46022_35363327	NC_021162.1	Ca_kabuli_chr03	35363327	CC	TT	1940173599
SNP_P1_46023_35363346	NC_021162.1	Ca_kabuli_chr03	35363346	CC	TT	1940173600
SNP_P1_46025_35366728	NC_021162.1	Ca_kabuli_chr03	35366728	TT	AA	1940173602
SNP_P1_46026_35366762	NC_021162.1	Ca_kabuli_chr03	35366762	GG	CC	1940173604
SNP_P1_46027_35367107	NC_021162.1	Ca_kabuli_chr03	35367107	TT	AA	1940173606
SNP_P1_46028_35367139	NC_021162.1	Ca_kabuli_chr03	35367139	TT	CC	1940173609
SNP_P1_46029_35367153	NC_021162.1	Ca_kabuli_chr03	35367153	GG	AA	1940173611
SNP_P1_46030_35367154	NC_021162.1	Ca_kabuli_chr03	35367154	CC	TT	1940173613
SNP_P1_46031_35367253	NC_021162.1	Ca_kabuli_chr03	35367253	AA	GG	1940173615
SNP_P1_46032_35367350	NC_021162.1	Ca_kabuli_chr03	35367350	CC	TT	1940173617
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SNP_P1_46034_35367604	NC_021162.1	Ca_kabuli_chr03	35367604	TT	CC	1940173622
SNP_P1_46035_35367613	NC_021162.1	Ca_kabuli_chr03	35367613	CC	TT	1940173624
SNP_P1_46036_35367862	NC_021162.1	Ca_kabuli_chr03	35367862	GG	AA	1940173626
SNP_P1_46038_35367903	NC_021162.1	Ca_kabuli_chr03	35367903	CC	TT	1940173628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46041_35368016	NC_021162.1	Ca_kabuli_chr03	35368016	GG	TT	1940173634
SNP_P1_46042_35368070	NC_021162.1	Ca_kabuli_chr03	35368070	GG	AA	1940173637
SNP_P1_46043_35368113	NC_021162.1	Ca_kabuli_chr03	35368113	GG	TT	1940173639
SNP_P1_46044_35368115	NC_021162.1	Ca_kabuli_chr03	35368115	GG	AA	1940173640
SNP_P1_46045_35368274	NC_021162.1	Ca_kabuli_chr03	35368274	AA	TT	1940173641
SNP_P1_46046_35368338	NC_021162.1	Ca_kabuli_chr03	35368338	AA	GG	1940173642
SNP_P1_46047_35368499	NC_021162.1	Ca_kabuli_chr03	35368499	AA	GG	1940173643
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SNP_P1_46052_35369437	NC_021162.1	Ca_kabuli_chr03	35369437	GG	AA	1940173650
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SNP_P1_46058_35370427	NC_021162.1	Ca_kabuli_chr03	35370427	TT	CC	1940173657
SNP_P1_46060_35370649	NC_021162.1	Ca_kabuli_chr03	35370649	CC	GG	1940173659
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SNP_P1_46063_35370998	NC_021162.1	Ca_kabuli_chr03	35370998	TT	CC	1940173663
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SNP_P1_46066_35372252	NC_021162.1	Ca_kabuli_chr03	35372252	AA	GG	1940173670
SNP_P1_46067_35372253	NC_021162.1	Ca_kabuli_chr03	35372253	AA	GG	1940173672
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SNP_P1_46074_35375210	NC_021162.1	Ca_kabuli_chr03	35375210	CC	TT	1940173687
SNP_P1_46075_35375239	NC_021162.1	Ca_kabuli_chr03	35375239	GG	TT	1940173689
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SNP_P1_46085_35376983	NC_021162.1	Ca_kabuli_chr03	35376983	TT	CC	1940173709
SNP_P1_46086_35376994	NC_021162.1	Ca_kabuli_chr03	35376994	GG	AA	1940173711
SNP_P1_46087_35377067	NC_021162.1	Ca_kabuli_chr03	35377067	TT	CC	1940173713

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46090_35379937	NC_021162.1	Ca_kabuli_chr03	35379937	TT	AA	1940173720
SNP_P1_46091_35380144	NC_021162.1	Ca_kabuli_chr03	35380144	CC	TT	1940173722
SNP_P1_46092_35380370	NC_021162.1	Ca_kabuli_chr03	35380370	AA	GG	1940173724
SNP_P1_46093_35380390	NC_021162.1	Ca_kabuli_chr03	35380390	TT	GG	1940173726
SNP_P1_46094_35380427	NC_021162.1	Ca_kabuli_chr03	35380427	TT	CC	1940173728
SNP_P1_46095_35380443	NC_021162.1	Ca_kabuli_chr03	35380443	TT	CC	1940173730
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SNP_P1_46098_35381996	NC_021162.1	Ca_kabuli_chr03	35381996	TT	AA	1940173737
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SNP_P1_46102_35382524	NC_021162.1	Ca_kabuli_chr03	35382524	AA	CC	1940173745
SNP_P1_46104_35385109	NC_021162.1	Ca_kabuli_chr03	35385109	AA	GG	1940173747
SNP_P1_46105_35385731	NC_021162.1	Ca_kabuli_chr03	35385731	CC	TT	1940173750
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SNP_P1_46107_35387104	NC_021162.1	Ca_kabuli_chr03	35387104	CC	AA	1940173754
SNP_P1_46108_35387137	NC_021162.1	Ca_kabuli_chr03	35387137	CC	TT	1940173756
SNP_P1_46109_35389679	NC_021162.1	Ca_kabuli_chr03	35389679	GG	AA	1940173758
SNP_P1_46110_35390302	NC_021162.1	Ca_kabuli_chr03	35390302	GG	AA	1940173760
SNP_P1_46111_35390323	NC_021162.1	Ca_kabuli_chr03	35390323	CC	TT	1940173763
SNP_P1_46112_35390550	NC_021162.1	Ca_kabuli_chr03	35390550	CC	TT	1940173765
SNP_P1_46115_35391902	NC_021162.1	Ca_kabuli_chr03	35391902	CC	AA	1940173767
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SNP_P1_46118_35392250	NC_021162.1	Ca_kabuli_chr03	35392250	TT	CC	1940173773
SNP_P1_46119_35392255	NC_021162.1	Ca_kabuli_chr03	35392255	GG	TT	1940173775
SNP_P1_46121_35393574	NC_021162.1	Ca_kabuli_chr03	35393574	CC	GG	1940173778
SNP_P1_46122_35393575	NC_021162.1	Ca_kabuli_chr03	35393575	GG	TT	1940173780
SNP_P1_46123_35393630	NC_021162.1	Ca_kabuli_chr03	35393630	TT	GG	1940173782
SNP_P1_46124_35393639	NC_021162.1	Ca_kabuli_chr03	35393639	CC	TT	1940173784
SNP_P1_46125_35394771	NC_021162.1	Ca_kabuli_chr03	35394771	TT	CC	1940173786
SNP_P1_46126_35394825	NC_021162.1	Ca_kabuli_chr03	35394825	TT	GG	1940173788
SNP_P1_46127_35394954	NC_021162.1	Ca_kabuli_chr03	35394954	TT	AA	1940173791
SNP_P1_46128_35395194	NC_021162.1	Ca_kabuli_chr03	35395194	AA	GG	1940173793
SNP_P1_46131_35395922	NC_021162.1	Ca_kabuli_chr03	35395922	GG	TT	1940173795
SNP_P1_46133_35395961	NC_021162.1	Ca_kabuli_chr03	35395961	GG	AA	1940173797
SNP_P1_46134_35395969	NC_021162.1	Ca_kabuli_chr03	35395969	CC	AA	1940173799
SNP_P1_46135_35395973	NC_021162.1	Ca_kabuli_chr03	35395973	AA	TT	1940173800
SNP_P1_46137_35396060	NC_021162.1	Ca_kabuli_chr03	35396060	TT	CC	1940173802

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46139_35397135	NC_021162.1	Ca_kabuli_chr03	35397135	GG	TT	1940173807
SNP_P1_46141_35397975	NC_021162.1	Ca_kabuli_chr03	35397975	CC	TT	1940173809
SNP_P1_46142_35398466	NC_021162.1	Ca_kabuli_chr03	35398466	AA	GG	1940173811
SNP_P1_46143_35398736	NC_021162.1	Ca_kabuli_chr03	35398736	GG	AA	1940173813
SNP_P1_46144_35399351	NC_021162.1	Ca_kabuli_chr03	35399351	TT	CC	1940173815
SNP_P1_46145_35399422	NC_021162.1	Ca_kabuli_chr03	35399422	AA	CC	1940173817
SNP_P1_46146_35400969	NC_021162.1	Ca_kabuli_chr03	35400969	GG	AA	1940173820
SNP_P1_46147_35401308	NC_021162.1	Ca_kabuli_chr03	35401308	GG	AA	1940173822
SNP_P1_46148_35402652	NC_021162.1	Ca_kabuli_chr03	35402652	TT	CC	1940173824
SNP_P1_46149_35403418	NC_021162.1	Ca_kabuli_chr03	35403418	TT	CC	1940173826
SNP_P1_46150_35403890	NC_021162.1	Ca_kabuli_chr03	35403890	GG	TT	1940173828
SNP_P1_46151_35403891	NC_021162.1	Ca_kabuli_chr03	35403891	AA	GG	1940173830
SNP_P1_46152_35403934	NC_021162.1	Ca_kabuli_chr03	35403934	AA	TT	1940173832
SNP_P1_46154_35404399	NC_021162.1	Ca_kabuli_chr03	35404399	AA	TT	1940173835
SNP_P1_46155_35404575	NC_021162.1	Ca_kabuli_chr03	35404575	GG	CC	1940173837
SNP_P1_46156_35404648	NC_021162.1	Ca_kabuli_chr03	35404648	AA	TT	1940173839
SNP_P1_46157_35404723	NC_021162.1	Ca_kabuli_chr03	35404723	AA	GG	1940173841
SNP_P1_46158_35405521	NC_021162.1	Ca_kabuli_chr03	35405521	CC	TT	1940173843
SNP_P1_46159_35406803	NC_021162.1	Ca_kabuli_chr03	35406803	AA	GG	1940173845
SNP_P1_46160_35407085	NC_021162.1	Ca_kabuli_chr03	35407085	CC	AA	1940173848
SNP_P1_46161_35407122	NC_021162.1	Ca_kabuli_chr03	35407122	CC	AA	1940173850
SNP_P1_46163_35409523	NC_021162.1	Ca_kabuli_chr03	35409523	GG	AA	1940173852
SNP_P1_46164_35409579	NC_021162.1	Ca_kabuli_chr03	35409579	TT	CC	1940173854
SNP_P1_46165_35409629	NC_021162.1	Ca_kabuli_chr03	35409629	GG	AA	1940173856
SNP_P1_46166_35409630	NC_021162.1	Ca_kabuli_chr03	35409630	TT	AA	1940173858
SNP_P1_46167_35409681	NC_021162.1	Ca_kabuli_chr03	35409681	GG	AA	1940173860
SNP_P1_46168_35409731	NC_021162.1	Ca_kabuli_chr03	35409731	TT	AA	1940173862
SNP_P1_46169_35409752	NC_021162.1	Ca_kabuli_chr03	35409752	GG	AA	1940173864
SNP_P1_46170_35409764	NC_021162.1	Ca_kabuli_chr03	35409764	TT	CC	1940173866
SNP_P1_46171_35409826	NC_021162.1	Ca_kabuli_chr03	35409826	TT	GG	1940173868
SNP_P1_46172_35410405	NC_021162.1	Ca_kabuli_chr03	35410405	CC	TT	1940173870
SNP_P1_46173_35410903	NC_021162.1	Ca_kabuli_chr03	35410903	GG	TT	1940173872
SNP_P1_46174_35414923	NC_021162.1	Ca_kabuli_chr03	35414923	CC	TT	1940173875
SNP_P1_46175_35416285	NC_021162.1	Ca_kabuli_chr03	35416285	CC	TT	1940173877
SNP_P1_46177_35419019	NC_021162.1	Ca_kabuli_chr03	35419019	TT	GG	1940173879
SNP_P1_46178_35419020	NC_021162.1	Ca_kabuli_chr03	35419020	AA	TT	1940173881
SNP_P1_46179_35419044	NC_021162.1	Ca_kabuli_chr03	35419044	TT	CC	1940173883
SNP_P1_46180_35420804	NC_021162.1	Ca_kabuli_chr03	35420804	GG	TT	1940173885
SNP_P1_46181_35421345	NC_021162.1	Ca_kabuli_chr03	35421345	GG	AA	1940173887
SNP_P1_46182_35423071	NC_021162.1	Ca_kabuli_chr03	35423071	TT	CC	1940173890
SNP_P1_46183_35423098	NC_021162.1	Ca_kabuli_chr03	35423098	GG	AA	1940173892

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46187_35423600	NC_021162.1	Ca_kabuli_chr03	35423600	GG	TT	1940173896
SNP_P1_46188_35423605	NC_021162.1	Ca_kabuli_chr03	35423605	GG	AA	1940173898
SNP_P1_46189_35424311	NC_021162.1	Ca_kabuli_chr03	35424311	GG	AA	1940173900
SNP_P1_46190_35425433	NC_021162.1	Ca_kabuli_chr03	35425433	CC	TT	1940173903
SNP_P1_46191_35426319	NC_021162.1	Ca_kabuli_chr03	35426319	CC	TT	1940173905
SNP_P1_46192_35426481	NC_021162.1	Ca_kabuli_chr03	35426481	TT	CC	1940173907
SNP_P1_46193_35426514	NC_021162.1	Ca_kabuli_chr03	35426514	GG	TT	1940173909
SNP_P1_46194_35431104	NC_021162.1	Ca_kabuli_chr03	35431104	CC	TT	1940173911
SNP_P1_46195_35431159	NC_021162.1	Ca_kabuli_chr03	35431159	AA	GG	1940173913
SNP_P1_46197_35432340	NC_021162.1	Ca_kabuli_chr03	35432340	CC	TT	1940173915
SNP_P1_46198_35433598	NC_021162.1	Ca_kabuli_chr03	35433598	CC	TT	1940173918
SNP_P1_46199_35434020	NC_021162.1	Ca_kabuli_chr03	35434020	AA	TT	1940173920
SNP_P1_46200_35434062	NC_021162.1	Ca_kabuli_chr03	35434062	GG	AA	1940173922
SNP_P1_46201_35434391	NC_021162.1	Ca_kabuli_chr03	35434391	TT	CC	1940173924
SNP_P1_46203_35436333	NC_021162.1	Ca_kabuli_chr03	35436333	GG	CC	1940173926
SNP_P1_46204_35436348	NC_021162.1	Ca_kabuli_chr03	35436348	AA	CC	1940173928
SNP_P1_46205_35436370	NC_021162.1	Ca_kabuli_chr03	35436370	CC	TT	1940173930
SNP_P1_46206_35436406	NC_021162.1	Ca_kabuli_chr03	35436406	TT	AA	1940173933
SNP_P1_46207_35436629	NC_021162.1	Ca_kabuli_chr03	35436629	TT	GG	1940173935
SNP_P1_46208_35436696	NC_021162.1	Ca_kabuli_chr03	35436696	TT	AA	1940173937
SNP_P1_46209_35436882	NC_021162.1	Ca_kabuli_chr03	35436882	CC	TT	1940173939
SNP_P1_46210_35437908	NC_021162.1	Ca_kabuli_chr03	35437908	GG	TT	1940173941
SNP_P1_46211_35437919	NC_021162.1	Ca_kabuli_chr03	35437919	TT	GG	1940173943
SNP_P1_46214_35438729	NC_021162.1	Ca_kabuli_chr03	35438729	CC	TT	1940173946
SNP_P1_46215_35438736	NC_021162.1	Ca_kabuli_chr03	35438736	TT	CC	1940173948
SNP_P1_46216_35438797	NC_021162.1	Ca_kabuli_chr03	35438797	GG	AA	1940173950
SNP_P1_46217_35438806	NC_021162.1	Ca_kabuli_chr03	35438806	GG	TT	1940173952
SNP_P1_46218_35438843	NC_021162.1	Ca_kabuli_chr03	35438843	CC	AA	1940173954
SNP_P1_46220_35440262	NC_021162.1	Ca_kabuli_chr03	35440262	TT	AA	1940173956
SNP_P1_46222_35440890	NC_021162.1	Ca_kabuli_chr03	35440890	CC	TT	1940173958
SNP_P1_46223_35441289	NC_021162.1	Ca_kabuli_chr03	35441289	TT	CC	1940173961
SNP_P1_46224_35441368	NC_021162.1	Ca_kabuli_chr03	35441368	CC	TT	1940173963
SNP_P1_46225_35441904	NC_021162.1	Ca_kabuli_chr03	35441904	CC	TT	1940173965
SNP_P1_46226_35441918	NC_021162.1	Ca_kabuli_chr03	35441918	AA	TT	1940173967
SNP_P1_46227_35443204	NC_021162.1	Ca_kabuli_chr03	35443204	CC	TT	1940173969
SNP_P1_46228_35443470	NC_021162.1	Ca_kabuli_chr03	35443470	AA	GG	1940173971
SNP_P1_46229_35444260	NC_021162.1	Ca_kabuli_chr03	35444260	AA	TT	1940173974
SNP_P1_46230_35444264	NC_021162.1	Ca_kabuli_chr03	35444264	AA	CC	1940173976
SNP_P1_46232_35444737	NC_021162.1	Ca_kabuli_chr03	35444737	CC	TT	1940173978
SNP_P1_46233_35445699	NC_021162.1	Ca_kabuli_chr03	35445699	TT	GG	1940173980
SNP_P1_46234_35446104	NC_021162.1	Ca_kabuli_chr03	35446104	TT	CC	1940173982

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46236_35446588	NC_021162.1	Ca_kabuli_chr03	35446588	CC	TT	1940173986
SNP_P1_46237_35446606	NC_021162.1	Ca_kabuli_chr03	35446606	GG	AA	1940173989
SNP_P1_46238_35446807	NC_021162.1	Ca_kabuli_chr03	35446807	TT	AA	1940173991
SNP_P1_46239_35447855	NC_021162.1	Ca_kabuli_chr03	35447855	GG	CC	1940173993
SNP_P1_46240_35447940	NC_021162.1	Ca_kabuli_chr03	35447940	TT	AA	1940173994
SNP_P1_46241_35450441	NC_021162.1	Ca_kabuli_chr03	35450441	TT	CC	1940173996
SNP_P1_46242_35450808	NC_021162.1	Ca_kabuli_chr03	35450808	AA	TT	1940173998
SNP_P1_46243_35451377	NC_021162.1	Ca_kabuli_chr03	35451377	CC	TT	1940174001
SNP_P1_46244_35451420	NC_021162.1	Ca_kabuli_chr03	35451420	AA	TT	1940174003
SNP_P1_46245_35451549	NC_021162.1	Ca_kabuli_chr03	35451549	TT	GG	1940174005
SNP_P1_46246_35451563	NC_021162.1	Ca_kabuli_chr03	35451563	CC	TT	1940174007
SNP_P1_46248_35451771	NC_021162.1	Ca_kabuli_chr03	35451771	CC	TT	1940174009
SNP_P1_46249_35452390	NC_021162.1	Ca_kabuli_chr03	35452390	CC	TT	1940174011
SNP_P1_46250_35452418	NC_021162.1	Ca_kabuli_chr03	35452418	CC	TT	1940174014
SNP_P1_46251_35452455	NC_021162.1	Ca_kabuli_chr03	35452455	TT	CC	1940174016
SNP_P1_46253_35452509	NC_021162.1	Ca_kabuli_chr03	35452509	CC	GG	1940174018
SNP_P1_46254_35453906	NC_021162.1	Ca_kabuli_chr03	35453906	AA	GG	1940174020
SNP_P1_46255_35453920	NC_021162.1	Ca_kabuli_chr03	35453920	TT	AA	1940174022
SNP_P1_46256_35453979	NC_021162.1	Ca_kabuli_chr03	35453979	GG	AA	1940174024
SNP_P1_46257_35454034	NC_021162.1	Ca_kabuli_chr03	35454034	AA	TT	1940174026
SNP_P1_46258_35454290	NC_021162.1	Ca_kabuli_chr03	35454290	TT	CC	1940174029
SNP_P1_46259_35454310	NC_021162.1	Ca_kabuli_chr03	35454310	TT	CC	1940174031
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SNP_P1_46262_35456417	NC_021162.1	Ca_kabuli_chr03	35456417	AA	GG	1940174035
SNP_P1_46263_35456486	NC_021162.1	Ca_kabuli_chr03	35456486	CC	AA	1940174037
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SNP_P1_46265_35456768	NC_021162.1	Ca_kabuli_chr03	35456768	TT	AA	1940174042
SNP_P1_46266_35456804	NC_021162.1	Ca_kabuli_chr03	35456804	AA	GG	1940174044
SNP_P1_46267_35456812	NC_021162.1	Ca_kabuli_chr03	35456812	GG	AA	1940174046
SNP_P1_46268_35456827	NC_021162.1	Ca_kabuli_chr03	35456827	GG	AA	1940174048
SNP_P1_46269_35457805	NC_021162.1	Ca_kabuli_chr03	35457805	CC	TT	1940174050
SNP_P1_46272_35458153	NC_021162.1	Ca_kabuli_chr03	35458153	GG	CC	1940174052
SNP_P1_46273_35458157	NC_021162.1	Ca_kabuli_chr03	35458157	TT	AA	1940174054
SNP_P1_46274_35458210	NC_021162.1	Ca_kabuli_chr03	35458210	TT	CC	1940174057
SNP_P1_46275_35458223	NC_021162.1	Ca_kabuli_chr03	35458223	CC	TT	1940174059
SNP_P1_46276_35458334	NC_021162.1	Ca_kabuli_chr03	35458334	AA	GG	1940174061
SNP_P1_46277_35458336	NC_021162.1	Ca_kabuli_chr03	35458336	AA	GG	1940174063
SNP_P1_46278_35458519	NC_021162.1	Ca_kabuli_chr03	35458519	AA	TT	1940174065
SNP_P1_46279_35458910	NC_021162.1	Ca_kabuli_chr03	35458910	TT	CC	1940174067
SNP_P1_46280_35458923	NC_021162.1	Ca_kabuli_chr03	35458923	CC	AA	1940174069
SNP_P1_46281_35459347	NC_021162.1	Ca_kabuli_chr03	35459347	TT	CC	1940174072

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46285_35462708	NC_021162.1	Ca_kabuli_chr03	35462708	TT	CC	1940174078
SNP_P1_46287_35463464	NC_021162.1	Ca_kabuli_chr03	35463464	GG	AA	1940174080
SNP_P1_46288_35463486	NC_021162.1	Ca_kabuli_chr03	35463486	GG	AA	1940174082
SNP_P1_46289_35464179	NC_021162.1	Ca_kabuli_chr03	35464179	TT	CC	1940174084
SNP_P1_46290_35464404	NC_021162.1	Ca_kabuli_chr03	35464404	CC	TT	1940174087
SNP_P1_46291_35465789	NC_021162.1	Ca_kabuli_chr03	35465789	AA	GG	1940174089
SNP_P1_46292_35466310	NC_021162.1	Ca_kabuli_chr03	35466310	GG	TT	1940174091
SNP_P1_46293_35468448	NC_021162.1	Ca_kabuli_chr03	35468448	AA	TT	1940174093
SNP_P1_46295_35468973	NC_021162.1	Ca_kabuli_chr03	35468973	CC	TT	1940174095
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SNP_P1_46297_35469679	NC_021162.1	Ca_kabuli_chr03	35469679	CC	TT	1940174100
SNP_P1_46298_35469769	NC_021162.1	Ca_kabuli_chr03	35469769	TT	CC	1940174102
SNP_P1_46299_35471743	NC_021162.1	Ca_kabuli_chr03	35471743	TT	GG	1940174104
SNP_P1_46300_35475084	NC_021162.1	Ca_kabuli_chr03	35475084	AA	TT	1940174106
SNP_P1_46301_35475090	NC_021162.1	Ca_kabuli_chr03	35475090	GG	TT	1940174108
SNP_P1_46302_35475108	NC_021162.1	Ca_kabuli_chr03	35475108	TT	CC	1940174110
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SNP_P1_46305_35477830	NC_021162.1	Ca_kabuli_chr03	35477830	TT	GG	1940174115
SNP_P1_46306_35478027	NC_021162.1	Ca_kabuli_chr03	35478027	AA	TT	1940174117
SNP_P1_46307_35478121	NC_021162.1	Ca_kabuli_chr03	35478121	CC	GG	1940174119
SNP_P1_46308_35478124	NC_021162.1	Ca_kabuli_chr03	35478124	TT	AA	1940174121
SNP_P1_46309_35478333	NC_021162.1	Ca_kabuli_chr03	35478333	CC	AA	1940174123
SNP_P1_46311_35479734	NC_021162.1	Ca_kabuli_chr03	35479734	GG	AA	1940174125
SNP_P1_46312_35479800	NC_021162.1	Ca_kabuli_chr03	35479800	AA	GG	1940174128
SNP_P1_46314_35479960	NC_021162.1	Ca_kabuli_chr03	35479960	GG	AA	1940174130
SNP_P1_46315_35480208	NC_021162.1	Ca_kabuli_chr03	35480208	TT	CC	1940174132
SNP_P1_46316_35480215	NC_021162.1	Ca_kabuli_chr03	35480215	TT	GG	1940174134
SNP_P1_46317_35480216	NC_021162.1	Ca_kabuli_chr03	35480216	CC	TT	1940174136
SNP_P1_46318_35480660	NC_021162.1	Ca_kabuli_chr03	35480660	CC	TT	1940174138
SNP_P1_46319_35480686	NC_021162.1	Ca_kabuli_chr03	35480686	AA	GG	1940174140
SNP_P1_46320_35482271	NC_021162.1	Ca_kabuli_chr03	35482271	AA	GG	1940174143
SNP_P1_46321_35482429	NC_021162.1	Ca_kabuli_chr03	35482429	TT	AA	1940174145
SNP_P1_46322_35483629	NC_021162.1	Ca_kabuli_chr03	35483629	GG	TT	1940174147
SNP_P1_46323_35483779	NC_021162.1	Ca_kabuli_chr03	35483779	AA	GG	1940174149
SNP_P1_46324_35484116	NC_021162.1	Ca_kabuli_chr03	35484116	AA	GG	1940174151
SNP_P1_46325_35484287	NC_021162.1	Ca_kabuli_chr03	35484287	CC	TT	1940174153
SNP_P1_46326_35484288	NC_021162.1	Ca_kabuli_chr03	35484288	GG	AA	1940174155
SNP_P1_46327_35484658	NC_021162.1	Ca_kabuli_chr03	35484658	CC	AA	1940174157
SNP_P1_46328_35484826	NC_021162.1	Ca_kabuli_chr03	35484826	GG	AA	1940174160
SNP_P1_46330_35486239	NC_021162.1	Ca_kabuli_chr03	35486239	GG	AA	1940174162

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_46331_35486250	NC_021162.1	Ca_kabuli_chr03	35486250	GG	AA	1940174164
SNP_P1_46332_35486459	NC_021162.1	Ca_kabuli_chr03	35486459	AA	GG	1940174166
SNP_P1_46333_35487011	NC_021162.1	Ca_kabuli_chr03	35487011	TT	CC	1940174168
SNP_P1_46334_35487495	NC_021162.1	Ca_kabuli_chr03	35487495	TT	CC	1940174170
SNP_P1_46335_35487496	NC_021162.1	Ca_kabuli_chr03	35487496	AA	TT	1940174172
SNP_P1_46337_35488377	NC_021162.1	Ca_kabuli_chr03	35488377	TT	AA	1940174175
SNP_P1_46338_35489912	NC_021162.1	Ca_kabuli_chr03	35489912	GG	AA	1940174177
SNP_P1_46339_35490028	NC_021162.1	Ca_kabuli_chr03	35490028	GG	TT	1940174179
SNP_P1_46340_35490399	NC_021162.1	Ca_kabuli_chr03	35490399	CC	GG	1940174181
SNP_P1_46341_35490607	NC_021162.1	Ca_kabuli_chr03	35490607	GG	AA	1940174183
SNP_P1_46342_35490746	NC_021162.1	Ca_kabuli_chr03	35490746	GG	AA	1940174185
SNP_P1_46344_35490951	NC_021162.1	Ca_kabuli_chr03	35490951	CC	TT	1940174188
SNP_P1_46345_35491740	NC_021162.1	Ca_kabuli_chr03	35491740	CC	TT	1940174190
SNP_P1_46346_35492244	NC_021162.1	Ca_kabuli_chr03	35492244	CC	AA	1940174192
SNP_P1_46347_35492306	NC_021162.1	Ca_kabuli_chr03	35492306	AA	TT	1940174194
SNP_P1_46348_35493733	NC_021162.1	Ca_kabuli_chr03	35493733	AA	GG	1940174196
SNP_P1_46349_35494756	NC_021162.1	Ca_kabuli_chr03	35494756	GG	AA	1940174198
SNP_P1_46350_35495746	NC_021162.1	Ca_kabuli_chr03	35495746	TT	CC	1940174200
SNP_P1_46351_35495813	NC_021162.1	Ca_kabuli_chr03	35495813	AA	CC	1940174202
SNP_P1_46352_35495816	NC_021162.1	Ca_kabuli_chr03	35495816	TT	CC	1940174205
SNP_P1_46353_35495855	NC_021162.1	Ca_kabuli_chr03	35495855	CC	TT	1940174207
SNP_P1_46354_35495868	NC_021162.1	Ca_kabuli_chr03	35495868	AA	GG	1940174209
SNP_P1_46355_35497363	NC_021162.1	Ca_kabuli_chr03	35497363	TT	AA	1940174211
SNP_P1_46356_35497646	NC_021162.1	Ca_kabuli_chr03	35497646	TT	CC	1940174213
SNP_P1_46357_35497885	NC_021162.1	Ca_kabuli_chr03	35497885	CC	TT	1940174215
SNP_P1_46358_35498275	NC_021162.1	Ca_kabuli_chr03	35498275	TT	CC	1940174218
SNP_P1_46359_35498803	NC_021162.1	Ca_kabuli_chr03	35498803	CC	TT	1940174220
SNP_P1_46360_35498948	NC_021162.1	Ca_kabuli_chr03	35498948	TT	AA	1940174222
SNP_P1_46361_35499260	NC_021162.1	Ca_kabuli_chr03	35499260	AA	TT	1940174224
SNP_P1_46362_35499272	NC_021162.1	Ca_kabuli_chr03	35499272	AA	TT	1940174226
SNP_P1_46363_35499281	NC_021162.1	Ca_kabuli_chr03	35499281	CC	GG	1940174228
SNP_P1_46364_35500128	NC_021162.1	Ca_kabuli_chr03	35500128	CC	TT	1940174230
SNP_P1_46365_35500150	NC_021162.1	Ca_kabuli_chr03	35500150	GG	CC	1940174233
SNP_P1_46366_35500299	NC_021162.1	Ca_kabuli_chr03	35500299	CC	TT	1940174235
SNP_P1_46367_35500309	NC_021162.1	Ca_kabuli_chr03	35500309	AA	GG	1940174237
SNP_P1_46368_35500362	NC_021162.1	Ca_kabuli_chr03	35500362	CC	TT	1940174239
SNP_P1_46369_35500372	NC_021162.1	Ca_kabuli_chr03	35500372	TT	AA	1940174241
SNP_P1_46370_35500375	NC_021162.1	Ca_kabuli_chr03	35500375	GG	AA	1940174243
SNP_P1_46371_35500400	NC_021162.1	Ca_kabuli_chr03	35500400	GG	AA	1940174245
SNP_P1_46372_35502457	NC_021162.1	Ca_kabuli_chr03	35502457	TT	CC	1940174248
SNP_P1_46373_35502470	NC_021162.1	Ca_kabuli_chr03	35502470	GG	TT	1940174250
SNP_P1_46374_35502477	NC_021162.1	Ca_kabuli_chr03	35502477	TT	CC	1940174252

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46376_35502538	NC_021162.1	Ca_kabuli_chr03	35502538	GG	AA	1940174256
SNP_P1_46377_35502549	NC_021162.1	Ca_kabuli_chr03	35502549	GG	AA	1940174258
SNP_P1_46380_35502685	NC_021162.1	Ca_kabuli_chr03	35502685	GG	TT	1940174260
SNP_P1_46381_35502868	NC_021162.1	Ca_kabuli_chr03	35502868	AA	GG	1940174261
SNP_P1_46382_35502872	NC_021162.1	Ca_kabuli_chr03	35502872	CC	TT	1940174263
SNP_P1_46383_35502873	NC_021162.1	Ca_kabuli_chr03	35502873	GG	CC	1940174266
SNP_P1_46384_35502882	NC_021162.1	Ca_kabuli_chr03	35502882	TT	GG	1940174268
SNP_P1_46385_35502890	NC_021162.1	Ca_kabuli_chr03	35502890	AA	GG	1940174270
SNP_P1_46386_35502919	NC_021162.1	Ca_kabuli_chr03	35502919	TT	AA	1940174272
SNP_P1_46388_35504296	NC_021162.1	Ca_kabuli_chr03	35504296	TT	GG	1940174274
SNP_P1_46389_35504327	NC_021162.1	Ca_kabuli_chr03	35504327	AA	CC	1940174276
SNP_P1_46391_35504553	NC_021162.1	Ca_kabuli_chr03	35504553	CC	TT	1940174278
SNP_P1_46392_35505837	NC_021162.1	Ca_kabuli_chr03	35505837	CC	AA	1940174281
SNP_P1_46394_35505862	NC_021162.1	Ca_kabuli_chr03	35505862	AA	GG	1940174283
SNP_P1_46395_35509337	NC_021162.1	Ca_kabuli_chr03	35509337	AA	TT	1940174285
SNP_P1_46396_35509386	NC_021162.1	Ca_kabuli_chr03	35509386	GG	AA	1940174287
SNP_P1_46397_35509780	NC_021162.1	Ca_kabuli_chr03	35509780	TT	CC	1940174289
SNP_P1_46398_35509856	NC_021162.1	Ca_kabuli_chr03	35509856	CC	GG	1940174291
SNP_P1_46399_35510425	NC_021162.1	Ca_kabuli_chr03	35510425	GG	CC	1940174293
SNP_P1_46400_35511082	NC_021162.1	Ca_kabuli_chr03	35511082	CC	TT	1940174296
SNP_P1_46401_35511449	NC_021162.1	Ca_kabuli_chr03	35511449	GG	AA	1940174298
SNP_P1_46402_35511456	NC_021162.1	Ca_kabuli_chr03	35511456	CC	TT	1940174300
SNP_P1_46403_35513544	NC_021162.1	Ca_kabuli_chr03	35513544	GG	AA	1940174302
SNP_P1_46404_35513714	NC_021162.1	Ca_kabuli_chr03	35513714	AA	GG	1940174304
SNP_P1_46405_35513860	NC_021162.1	Ca_kabuli_chr03	35513860	CC	TT	1940174306
SNP_P1_46406_35515278	NC_021162.1	Ca_kabuli_chr03	35515278	GG	AA	1940174309
SNP_P1_46407_35515305	NC_021162.1	Ca_kabuli_chr03	35515305	GG	CC	1940174311
SNP_P1_46408_35517290	NC_021162.1	Ca_kabuli_chr03	35517290	CC	AA	1940174313
SNP_P1_46409_35517716	NC_021162.1	Ca_kabuli_chr03	35517716	TT	CC	1940174315
SNP_P1_46410_35521036	NC_021162.1	Ca_kabuli_chr03	35521036	AA	TT	1940174317
SNP_P1_46411_35524689	NC_021162.1	Ca_kabuli_chr03	35524689	AA	GG	1940174319
SNP_P1_46413_35524848	NC_021162.1	Ca_kabuli_chr03	35524848	CC	TT	1940174321
SNP_P1_46414_35524858	NC_021162.1	Ca_kabuli_chr03	35524858	GG	AA	1940174324
SNP_P1_46416_35525761	NC_021162.1	Ca_kabuli_chr03	35525761	AA	TT	1940174326
SNP_P1_46417_35526402	NC_021162.1	Ca_kabuli_chr03	35526402	GG	AA	1940174328
SNP_P1_46418_35528876	NC_021162.1	Ca_kabuli_chr03	35528876	GG	TT	1940174330
SNP_P1_46420_35529241	NC_021162.1	Ca_kabuli_chr03	35529241	TT	AA	1940174332
SNP_P1_46421_35529275	NC_021162.1	Ca_kabuli_chr03	35529275	TT	CC	1940174334
SNP_P1_46422_35529363	NC_021162.1	Ca_kabuli_chr03	35529363	TT	AA	1940174336
SNP_P1_46424_35531188	NC_021162.1	Ca_kabuli_chr03	35531188	AA	GG	1940174339
SNP_P1_46425_35531252	NC_021162.1	Ca_kabuli_chr03	35531252	GG	AA	1940174341

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46427_35531478	NC_021162.1	Ca_kabuli_chr03	35531478	TT	CC	1940174345
SNP_P1_46428_35531508	NC_021162.1	Ca_kabuli_chr03	35531508	CC	TT	1940174347
SNP_P1_46429_35531529	NC_021162.1	Ca_kabuli_chr03	35531529	AA	GG	1940174349
SNP_P1_46430_35531550	NC_021162.1	Ca_kabuli_chr03	35531550	AA	GG	1940174352
SNP_P1_46431_35531557	NC_021162.1	Ca_kabuli_chr03	35531557	AA	GG	1940174354
SNP_P1_46432_35531685	NC_021162.1	Ca_kabuli_chr03	35531685	AA	GG	1940174356
SNP_P1_46433_35531694	NC_021162.1	Ca_kabuli_chr03	35531694	CC	TT	1940174358
SNP_P1_46434_35531701	NC_021162.1	Ca_kabuli_chr03	35531701	CC	AA	1940174360
SNP_P1_46436_35532543	NC_021162.1	Ca_kabuli_chr03	35532543	AA	GG	1940174362
SNP_P1_46437_35532597	NC_021162.1	Ca_kabuli_chr03	35532597	CC	TT	1940174364
SNP_P1_46439_35532674	NC_021162.1	Ca_kabuli_chr03	35532674	CC	GG	1940174367
SNP_P1_46440_35532734	NC_021162.1	Ca_kabuli_chr03	35532734	GG	AA	1940174369
SNP_P1_46441_35532744	NC_021162.1	Ca_kabuli_chr03	35532744	TT	CC	1940174371
SNP_P1_46442_35532762	NC_021162.1	Ca_kabuli_chr03	35532762	TT	CC	1940174373
SNP_P1_46443_35532791	NC_021162.1	Ca_kabuli_chr03	35532791	AA	GG	1940174375
SNP_P1_46444_35532854	NC_021162.1	Ca_kabuli_chr03	35532854	AA	GG	1940174377
SNP_P1_46445_35533695	NC_021162.1	Ca_kabuli_chr03	35533695	AA	CC	1940174379
SNP_P1_46447_35533717	NC_021162.1	Ca_kabuli_chr03	35533717	GG	AA	1940174382
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SNP_P1_46450_35533827	NC_021162.1	Ca_kabuli_chr03	35533827	GG	TT	1940174388
SNP_P1_46451_35533836	NC_021162.1	Ca_kabuli_chr03	35533836	GG	AA	1940174389
SNP_P1_46452_35533840	NC_021162.1	Ca_kabuli_chr03	35533840	GG	AA	1940174390
SNP_P1_46453_35535099	NC_021162.1	Ca_kabuli_chr03	35535099	GG	AA	1940174392
SNP_P1_46454_35535352	NC_021162.1	Ca_kabuli_chr03	35535352	GG	AA	1940174394
SNP_P1_46455_35535354	NC_021162.1	Ca_kabuli_chr03	35535354	GG	CC	1940174396
SNP_P1_46456_35535390	NC_021162.1	Ca_kabuli_chr03	35535390	TT	CC	1940174398
SNP_P1_46457_35535391	NC_021162.1	Ca_kabuli_chr03	35535391	GG	AA	1940174401
SNP_P1_46458_35535402	NC_021162.1	Ca_kabuli_chr03	35535402	GG	CC	1940174403
SNP_P1_46459_35535404	NC_021162.1	Ca_kabuli_chr03	35535404	AA	CC	1940174405
SNP_P1_46460_35535618	NC_021162.1	Ca_kabuli_chr03	35535618	TT	CC	1940174407
SNP_P1_46461_35535622	NC_021162.1	Ca_kabuli_chr03	35535622	GG	AA	1940174409
SNP_P1_46462_35535732	NC_021162.1	Ca_kabuli_chr03	35535732	AA	CC	1940174411
SNP_P1_46463_35535968	NC_021162.1	Ca_kabuli_chr03	35535968	TT	GG	1940174413
SNP_P1_46464_35536026	NC_021162.1	Ca_kabuli_chr03	35536026	TT	AA	1940174416
SNP_P1_46465_35536211	NC_021162.1	Ca_kabuli_chr03	35536211	AA	GG	1940174418
SNP_P1_46466_35536268	NC_021162.1	Ca_kabuli_chr03	35536268	CC	AA	1940174420
SNP_P1_46467_35536345	NC_021162.1	Ca_kabuli_chr03	35536345	TT	CC	1940174422
SNP_P1_46468_35537390	NC_021162.1	Ca_kabuli_chr03	35537390	GG	AA	1940174424
SNP_P1_46469_35537391	NC_021162.1	Ca_kabuli_chr03	35537391	TT	CC	1940174426
SNP_P1_46470_35537421	NC_021162.1	Ca_kabuli_chr03	35537421	AA	GG	1940174428

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46472_35537644	NC_021162.1	Ca_kabuli_chr03	35537644	GG	TT	1940174433
SNP_P1_46473_35537656	NC_021162.1	Ca_kabuli_chr03	35537656	AA	GG	1940174435
SNP_P1_46474_35537775	NC_021162.1	Ca_kabuli_chr03	35537775	TT	CC	1940174437
SNP_P1_46475_35537793	NC_021162.1	Ca_kabuli_chr03	35537793	CC	AA	1940174439
SNP_P1_46476_35537806	NC_021162.1	Ca_kabuli_chr03	35537806	GG	AA	1940174441
SNP_P1_46477_35537816	NC_021162.1	Ca_kabuli_chr03	35537816	GG	AA	1940174444
SNP_P1_46478_35538417	NC_021162.1	Ca_kabuli_chr03	35538417	CC	TT	1940174446
SNP_P1_46479_35538430	NC_021162.1	Ca_kabuli_chr03	35538430	AA	TT	1940174448
SNP_P1_46480_35538444	NC_021162.1	Ca_kabuli_chr03	35538444	TT	AA	1940174450
SNP_P1_46481_35538470	NC_021162.1	Ca_kabuli_chr03	35538470	AA	TT	1940174452
SNP_P1_46482_35538651	NC_021162.1	Ca_kabuli_chr03	35538651	TT	CC	1940174454
SNP_P1_46483_35539294	NC_021162.1	Ca_kabuli_chr03	35539294	GG	AA	1940174456
SNP_P1_46484_35541405	NC_021162.1	Ca_kabuli_chr03	35541405	CC	TT	1940174459
SNP_P1_46485_35542003	NC_021162.1	Ca_kabuli_chr03	35542003	GG	AA	1940174461
SNP_P1_46487_35543717	NC_021162.1	Ca_kabuli_chr03	35543717	CC	TT	1940174463
SNP_P1_46488_35545757	NC_021162.1	Ca_kabuli_chr03	35545757	CC	AA	1940174465
SNP_P1_46489_35550553	NC_021162.1	Ca_kabuli_chr03	35550553	TT	CC	1940174467
SNP_P1_46490_35550680	NC_021162.1	Ca_kabuli_chr03	35550680	GG	AA	1940174469
SNP_P1_46491_35550687	NC_021162.1	Ca_kabuli_chr03	35550687	GG	AA	1940174471
SNP_P1_46492_35550756	NC_021162.1	Ca_kabuli_chr03	35550756	TT	GG	1940174474
SNP_P1_46493_35551431	NC_021162.1	Ca_kabuli_chr03	35551431	CC	TT	1940174476
SNP_P1_46494_35553812	NC_021162.1	Ca_kabuli_chr03	35553812	AA	GG	1940174478
SNP_P1_46495_35554239	NC_021162.1	Ca_kabuli_chr03	35554239	CC	TT	1940174480
SNP_P1_46496_35554250	NC_021162.1	Ca_kabuli_chr03	35554250	GG	TT	1940174482
SNP_P1_46497_35554401	NC_021162.1	Ca_kabuli_chr03	35554401	TT	CC	1940174484
SNP_P1_46498_35554526	NC_021162.1	Ca_kabuli_chr03	35554526	GG	CC	1940174487
SNP_P1_46499_35554529	NC_021162.1	Ca_kabuli_chr03	35554529	CC	GG	1940174489
SNP_P1_46501_35555024	NC_021162.1	Ca_kabuli_chr03	35555024	AA	TT	1940174491
SNP_P1_46502_35556652	NC_021162.1	Ca_kabuli_chr03	35556652	AA	GG	1940174493
SNP_P1_46503_35556674	NC_021162.1	Ca_kabuli_chr03	35556674	TT	CC	1940174495
SNP_P1_46504_35556677	NC_021162.1	Ca_kabuli_chr03	35556677	AA	CC	1940174497
SNP_P1_46505_35556901	NC_021162.1	Ca_kabuli_chr03	35556901	TT	GG	1940174500
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SNP_P1_46510_35558091	NC_021162.1	Ca_kabuli_chr03	35558091	AA	CC	1940174504
SNP_P1_46511_35558586	NC_021162.1	Ca_kabuli_chr03	35558586	CC	TT	1940174506
SNP_P1_46512_35558649	NC_021162.1	Ca_kabuli_chr03	35558649	GG	TT	1940174508
SNP_P1_46513_35558758	NC_021162.1	Ca_kabuli_chr03	35558758	TT	CC	1940174510
SNP_P1_46514_35560661	NC_021162.1	Ca_kabuli_chr03	35560661	CC	AA	1940174512
SNP_P1_46515_35560696	NC_021162.1	Ca_kabuli_chr03	35560696	GG	CC	1940174514
SNP_P1_46516_35562346	NC_021162.1	Ca_kabuli_chr03	35562346	TT	AA	1940174516
SNP_P1_46517_35562365	NC_021162.1	Ca_kabuli_chr03	35562365	GG	TT	1940174518

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46519_35562504	NC_021162.1	Ca_kabuli_chr03	35562504	GG	AA	1940174522
SNP_P1_46520_35562509	NC_021162.1	Ca_kabuli_chr03	35562509	CC	TT	1940174524
SNP_P1_46521_35562520	NC_021162.1	Ca_kabuli_chr03	35562520	GG	CC	1940174527
SNP_P1_46522_35562535	NC_021162.1	Ca_kabuli_chr03	35562535	GG	AA	1940174529
SNP_P1_46523_35562570	NC_021162.1	Ca_kabuli_chr03	35562570	TT	CC	1940174531
SNP_P1_46524_35562665	NC_021162.1	Ca_kabuli_chr03	35562665	AA	GG	1940174533
SNP_P1_46525_35562713	NC_021162.1	Ca_kabuli_chr03	35562713	GG	TT	1940174535
SNP_P1_46527_35562805	NC_021162.1	Ca_kabuli_chr03	35562805	CC	AA	1940174537
SNP_P1_46528_35563114	NC_021162.1	Ca_kabuli_chr03	35563114	AA	GG	1940174540
SNP_P1_46529_35563152	NC_021162.1	Ca_kabuli_chr03	35563152	AA	CC	1940174542
SNP_P1_46530_35563165	NC_021162.1	Ca_kabuli_chr03	35563165	TT	AA	1940174544
SNP_P1_46531_35563175	NC_021162.1	Ca_kabuli_chr03	35563175	AA	CC	1940174546
SNP_P1_46532_35563195	NC_021162.1	Ca_kabuli_chr03	35563195	CC	AA	1940174548
SNP_P1_46533_35564018	NC_021162.1	Ca_kabuli_chr03	35564018	TT	GG	1940174550
SNP_P1_46534_35564239	NC_021162.1	Ca_kabuli_chr03	35564239	GG	TT	1940174552
SNP_P1_46535_35564295	NC_021162.1	Ca_kabuli_chr03	35564295	GG	AA	1940174555
SNP_P1_46536_35565548	NC_021162.1	Ca_kabuli_chr03	35565548	TT	CC	1940174557
SNP_P1_46537_35568237	NC_021162.1	Ca_kabuli_chr03	35568237	TT	CC	1940174559
SNP_P1_46539_35568351	NC_021162.1	Ca_kabuli_chr03	35568351	TT	AA	1940174561
SNP_P1_46541_35569917	NC_021162.1	Ca_kabuli_chr03	35569917	AA	GG	1940174563
SNP_P1_46542_35569918	NC_021162.1	Ca_kabuli_chr03	35569918	AA	GG	1940174565
SNP_P1_46543_35569923	NC_021162.1	Ca_kabuli_chr03	35569923	CC	TT	1940174567
SNP_P1_46544_35570325	NC_021162.1	Ca_kabuli_chr03	35570325	AA	GG	1940174570
SNP_P1_46545_35570358	NC_021162.1	Ca_kabuli_chr03	35570358	TT	CC	1940174572
SNP_P1_46546_35570370	NC_021162.1	Ca_kabuli_chr03	35570370	GG	AA	1940174574
SNP_P1_46547_35570374	NC_021162.1	Ca_kabuli_chr03	35570374	GG	AA	1940174576
SNP_P1_46548_35570379	NC_021162.1	Ca_kabuli_chr03	35570379	GG	AA	1940174578
SNP_P1_46549_35570383	NC_021162.1	Ca_kabuli_chr03	35570383	GG	AA	1940174580
SNP_P1_46550_35570384	NC_021162.1	Ca_kabuli_chr03	35570384	GG	AA	1940174583
SNP_P1_46551_35570405	NC_021162.1	Ca_kabuli_chr03	35570405	AA	CC	1940174585
SNP_P1_46552_35570456	NC_021162.1	Ca_kabuli_chr03	35570456	AA	GG	1940174587
SNP_P1_46554_35572012	NC_021162.1	Ca_kabuli_chr03	35572012	TT	CC	1940174589
SNP_P1_46556_35572248	NC_021162.1	Ca_kabuli_chr03	35572248	TT	CC	1940174591
SNP_P1_46557_35572288	NC_021162.1	Ca_kabuli_chr03	35572288	AA	GG	1940174593
SNP_P1_46558_35572290	NC_021162.1	Ca_kabuli_chr03	35572290	GG	AA	1940174595
SNP_P1_46559_35572305	NC_021162.1	Ca_kabuli_chr03	35572305	AA	GG	1940174598
SNP_P1_46560_35572309	NC_021162.1	Ca_kabuli_chr03	35572309	AA	GG	1940174600
SNP_P1_46561_35572324	NC_021162.1	Ca_kabuli_chr03	35572324	TT	CC	1940174602
SNP_P1_46562_35572340	NC_021162.1	Ca_kabuli_chr03	35572340	CC	TT	1940174604
SNP_P1_46563_35573295	NC_021162.1	Ca_kabuli_chr03	35573295	GG	CC	1940174606
SNP_P1_46564_35574484	NC_021162.1	Ca_kabuli_chr03	35574484	CC	AA	1940174608

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46566_35574545	NC_021162.1	Ca_kabuli_chr03	35574545	CC	TT	1940174613
SNP_P1_46567_35574579	NC_021162.1	Ca_kabuli_chr03	35574579	GG	TT	1940174615
SNP_P1_46568_35574581	NC_021162.1	Ca_kabuli_chr03	35574581	TT	CC	1940174617
SNP_P1_46570_35574631	NC_021162.1	Ca_kabuli_chr03	35574631	GG	TT	1940174619
SNP_P1_46571_35574637	NC_021162.1	Ca_kabuli_chr03	35574637	TT	CC	1940174621
SNP_P1_46572_35574761	NC_021162.1	Ca_kabuli_chr03	35574761	CC	TT	1940174623
SNP_P1_46573_35574782	NC_021162.1	Ca_kabuli_chr03	35574782	TT	GG	1940174626
SNP_P1_46575_35574884	NC_021162.1	Ca_kabuli_chr03	35574884	CC	TT	1940174628
SNP_P1_46576_35574957	NC_021162.1	Ca_kabuli_chr03	35574957	CC	TT	1940174630
SNP_P1_46577_35575059	NC_021162.1	Ca_kabuli_chr03	35575059	CC	TT	1940174632
SNP_P1_46578_35575724	NC_021162.1	Ca_kabuli_chr03	35575724	GG	TT	1940174634
SNP_P1_46579_35575729	NC_021162.1	Ca_kabuli_chr03	35575729	GG	AA	1940174636
SNP_P1_46580_35575736	NC_021162.1	Ca_kabuli_chr03	35575736	GG	AA	1940174638
SNP_P1_46581_35575747	NC_021162.1	Ca_kabuli_chr03	35575747	GG	AA	1940174641
SNP_P1_46582_35575750	NC_021162.1	Ca_kabuli_chr03	35575750	GG	AA	1940174643
SNP_P1_46583_35575758	NC_021162.1	Ca_kabuli_chr03	35575758	CC	TT	1940174645
SNP_P1_46584_35575767	NC_021162.1	Ca_kabuli_chr03	35575767	AA	GG	1940174647
SNP_P1_46585_35575770	NC_021162.1	Ca_kabuli_chr03	35575770	AA	GG	1940174649
SNP_P1_46586_35575773	NC_021162.1	Ca_kabuli_chr03	35575773	AA	GG	1940174651
SNP_P1_46587_35576502	NC_021162.1	Ca_kabuli_chr03	35576502	AA	GG	1940174654
SNP_P1_46588_35576519	NC_021162.1	Ca_kabuli_chr03	35576519	CC	TT	1940174656
SNP_P1_46589_35577260	NC_021162.1	Ca_kabuli_chr03	35577260	AA	GG	1940174658
SNP_P1_46590_35577332	NC_021162.1	Ca_kabuli_chr03	35577332	GG	TT	1940174660
SNP_P1_46591_35577817	NC_021162.1	Ca_kabuli_chr03	35577817	AA	CC	1940174662
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SNP_P1_46594_35579516	NC_021162.1	Ca_kabuli_chr03	35579516	GG	AA	1940174669
SNP_P1_46595_35579520	NC_021162.1	Ca_kabuli_chr03	35579520	CC	TT	1940174671
SNP_P1_46596_35579523	NC_021162.1	Ca_kabuli_chr03	35579523	GG	TT	1940174673
SNP_P1_46597_35579755	NC_021162.1	Ca_kabuli_chr03	35579755	AA	CC	1940174675
SNP_P1_46598_35580139	NC_021162.1	Ca_kabuli_chr03	35580139	AA	CC	1940174676
SNP_P1_46599_35580420	NC_021162.1	Ca_kabuli_chr03	35580420	GG	AA	1940174678
SNP_P1_46600_35580473	NC_021162.1	Ca_kabuli_chr03	35580473	GG	CC	1940174680
SNP_P1_46601_35580485	NC_021162.1	Ca_kabuli_chr03	35580485	TT	CC	1940174682
SNP_P1_46603_35580779	NC_021162.1	Ca_kabuli_chr03	35580779	CC	TT	1940174684
SNP_P1_46604_35581120	NC_021162.1	Ca_kabuli_chr03	35581120	GG	TT	1940174686
SNP_P1_46605_35581131	NC_021162.1	Ca_kabuli_chr03	35581131	AA	GG	1940174688
SNP_P1_46606_35582140	NC_021162.1	Ca_kabuli_chr03	35582140	CC	TT	1940174691
SNP_P1_46607_35582202	NC_021162.1	Ca_kabuli_chr03	35582202	AA	GG	1940174693
SNP_P1_46608_35582219	NC_021162.1	Ca_kabuli_chr03	35582219	CC	TT	1940174695
SNP_P1_46609_35582471	NC_021162.1	Ca_kabuli_chr03	35582471	AA	TT	1940174697

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46611_35582479	NC_021162.1	Ca_kabuli_chr03	35582479	GG	AA	1940174701
SNP_P1_46612_35582494	NC_021162.1	Ca_kabuli_chr03	35582494	TT	CC	1940174703
SNP_P1_46613_35582518	NC_021162.1	Ca_kabuli_chr03	35582518	AA	GG	1940174706
SNP_P1_46614_35582532	NC_021162.1	Ca_kabuli_chr03	35582532	TT	AA	1940174708
SNP_P1_46615_35582783	NC_021162.1	Ca_kabuli_chr03	35582783	CC	TT	1940174710
SNP_P1_46616_35582833	NC_021162.1	Ca_kabuli_chr03	35582833	AA	TT	1940174712
SNP_P1_46617_35582986	NC_021162.1	Ca_kabuli_chr03	35582986	TT	CC	1940174714
SNP_P1_46618_35582987	NC_021162.1	Ca_kabuli_chr03	35582987	GG	TT	1940174716
SNP_P1_46619_35583088	NC_021162.1	Ca_kabuli_chr03	35583088	GG	AA	1940174719
SNP_P1_46620_35583238	NC_021162.1	Ca_kabuli_chr03	35583238	GG	AA	1940174721
SNP_P1_46621_35583520	NC_021162.1	Ca_kabuli_chr03	35583520	GG	AA	1940174723
SNP_P1_46622_35583773	NC_021162.1	Ca_kabuli_chr03	35583773	AA	GG	1940174725
SNP_P1_46623_35583964	NC_021162.1	Ca_kabuli_chr03	35583964	TT	AA	1940174727
SNP_P1_46624_35584195	NC_021162.1	Ca_kabuli_chr03	35584195	GG	AA	1940174729
SNP_P1_46625_35584239	NC_021162.1	Ca_kabuli_chr03	35584239	AA	TT	1940174732
SNP_P1_46626_35584257	NC_021162.1	Ca_kabuli_chr03	35584257	TT	CC	1940174734
SNP_P1_46627_35584558	NC_021162.1	Ca_kabuli_chr03	35584558	AA	TT	1940174736
SNP_P1_46629_35584803	NC_021162.1	Ca_kabuli_chr03	35584803	AA	GG	1940174738
SNP_P1_46630_35584810	NC_021162.1	Ca_kabuli_chr03	35584810	CC	TT	1940174740
SNP_P1_46631_35584822	NC_021162.1	Ca_kabuli_chr03	35584822	GG	TT	1940174742
SNP_P1_46632_35584865	NC_021162.1	Ca_kabuli_chr03	35584865	AA	GG	1940174744
SNP_P1_46633_35584906	NC_021162.1	Ca_kabuli_chr03	35584906	GG	AA	1940174747
SNP_P1_46634_35584940	NC_021162.1	Ca_kabuli_chr03	35584940	CC	TT	1940174749
SNP_P1_46635_35585149	NC_021162.1	Ca_kabuli_chr03	35585149	GG	AA	1940174751
SNP_P1_46636_35585160	NC_021162.1	Ca_kabuli_chr03	35585160	GG	AA	1940174753
SNP_P1_46637_35585171	NC_021162.1	Ca_kabuli_chr03	35585171	GG	CC	1940174755
SNP_P1_46638_35585177	NC_021162.1	Ca_kabuli_chr03	35585177	TT	CC	1940174757
SNP_P1_46639_35585364	NC_021162.1	Ca_kabuli_chr03	35585364	CC	GG	1940174759
SNP_P1_46640_35585375	NC_021162.1	Ca_kabuli_chr03	35585375	CC	AA	1940174762
SNP_P1_46641_35585440	NC_021162.1	Ca_kabuli_chr03	35585440	TT	CC	1940174764
SNP_P1_46642_35590992	NC_021162.1	Ca_kabuli_chr03	35590992	AA	GG	1940174766
SNP_P1_46643_35591220	NC_021162.1	Ca_kabuli_chr03	35591220	CC	TT	1940174768
SNP_P1_46645_35591247	NC_021162.1	Ca_kabuli_chr03	35591247	CC	TT	1940174770
SNP_P1_46646_35591268	NC_021162.1	Ca_kabuli_chr03	35591268	GG	AA	1940174772
SNP_P1_46647_35591326	NC_021162.1	Ca_kabuli_chr03	35591326	TT	CC	1940174775
SNP_P1_46648_35591329	NC_021162.1	Ca_kabuli_chr03	35591329	CC	TT	1940174777
SNP_P1_46649_35591417	NC_021162.1	Ca_kabuli_chr03	35591417	CC	GG	1940174779
SNP_P1_46650_35591428	NC_021162.1	Ca_kabuli_chr03	35591428	CC	TT	1940174781
SNP_P1_46651_35591544	NC_021162.1	Ca_kabuli_chr03	35591544	TT	AA	1940174783
SNP_P1_46652_35591546	NC_021162.1	Ca_kabuli_chr03	35591546	TT	CC	1940174785
SNP_P1_46653_35591572	NC_021162.1	Ca_kabuli_chr03	35591572	AA	GG	1940174787

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46655_35591617	NC_021162.1	Ca_kabuli_chr03	35591617	AA	TT	1940174792
SNP_P1_46657_35591875	NC_021162.1	Ca_kabuli_chr03	35591875	GG	TT	1940174794
SNP_P1_46658_35592591	NC_021162.1	Ca_kabuli_chr03	35592591	TT	AA	1940174796
SNP_P1_46659_35592612	NC_021162.1	Ca_kabuli_chr03	35592612	TT	GG	1940174798
SNP_P1_46660_35592698	NC_021162.1	Ca_kabuli_chr03	35592698	TT	GG	1940174800
SNP_P1_46661_35593324	NC_021162.1	Ca_kabuli_chr03	35593324	TT	CC	1940174802
SNP_P1_46662_35593617	NC_021162.1	Ca_kabuli_chr03	35593617	TT	CC	1940174805
SNP_P1_46663_35593645	NC_021162.1	Ca_kabuli_chr03	35593645	AA	GG	1940174807
SNP_P1_46664_35595185	NC_021162.1	Ca_kabuli_chr03	35595185	AA	TT	1940174809
SNP_P1_46665_35595190	NC_021162.1	Ca_kabuli_chr03	35595190	GG	AA	1940174811
SNP_P1_46666_35595214	NC_021162.1	Ca_kabuli_chr03	35595214	TT	AA	1940174813
SNP_P1_46667_35595266	NC_021162.1	Ca_kabuli_chr03	35595266	TT	CC	1940174815
SNP_P1_46670_35596386	NC_021162.1	Ca_kabuli_chr03	35596386	TT	CC	1940174817
SNP_P1_46671_35596402	NC_021162.1	Ca_kabuli_chr03	35596402	AA	CC	1940174820
SNP_P1_46672_35596406	NC_021162.1	Ca_kabuli_chr03	35596406	CC	TT	1940174822
SNP_P1_46673_35596419	NC_021162.1	Ca_kabuli_chr03	35596419	CC	TT	1940174824
SNP_P1_46674_35596647	NC_021162.1	Ca_kabuli_chr03	35596647	CC	TT	1940174826
SNP_P1_46675_35596648	NC_021162.1	Ca_kabuli_chr03	35596648	CC	GG	1940174828
SNP_P1_46676_35596651	NC_021162.1	Ca_kabuli_chr03	35596651	GG	AA	1940174830
SNP_P1_46677_35596763	NC_021162.1	Ca_kabuli_chr03	35596763	AA	GG	1940174832
SNP_P1_46679_35598157	NC_021162.1	Ca_kabuli_chr03	35598157	TT	CC	1940174835
SNP_P1_46680_35598676	NC_021162.1	Ca_kabuli_chr03	35598676	AA	GG	1940174837
SNP_P1_46681_35598711	NC_021162.1	Ca_kabuli_chr03	35598711	AA	TT	1940174839
SNP_P1_46682_35599205	NC_021162.1	Ca_kabuli_chr03	35599205	AA	TT	1940174841
SNP_P1_46684_35599459	NC_021162.1	Ca_kabuli_chr03	35599459	TT	CC	1940174843
SNP_P1_46685_35599484	NC_021162.1	Ca_kabuli_chr03	35599484	GG	TT	1940174845
SNP_P1_46686_35599517	NC_021162.1	Ca_kabuli_chr03	35599517	CC	TT	1940174848
SNP_P1_46688_35599667	NC_021162.1	Ca_kabuli_chr03	35599667	AA	CC	1940174850
SNP_P1_46689_35599670	NC_021162.1	Ca_kabuli_chr03	35599670	CC	TT	1940174852
SNP_P1_46690_35599836	NC_021162.1	Ca_kabuli_chr03	35599836	TT	AA	1940174854
SNP_P1_46691_35599877	NC_021162.1	Ca_kabuli_chr03	35599877	TT	AA	1940174856
SNP_P1_46692_35599881	NC_021162.1	Ca_kabuli_chr03	35599881	CC	TT	1940174858
SNP_P1_46693_35600131	NC_021162.1	Ca_kabuli_chr03	35600131	GG	TT	1940174860
SNP_P1_46694_35600139	NC_021162.1	Ca_kabuli_chr03	35600139	AA	GG	1940174863
SNP_P1_46695_35600169	NC_021162.1	Ca_kabuli_chr03	35600169	AA	TT	1940174865
SNP_P1_46697_35600432	NC_021162.1	Ca_kabuli_chr03	35600432	TT	GG	1940174867
SNP_P1_46698_35600437	NC_021162.1	Ca_kabuli_chr03	35600437	CC	TT	1940174869
SNP_P1_46700_35600478	NC_021162.1	Ca_kabuli_chr03	35600478	AA	GG	1940174871
SNP_P1_46701_35600622	NC_021162.1	Ca_kabuli_chr03	35600622	TT	GG	1940174873
SNP_P1_46702_35600624	NC_021162.1	Ca_kabuli_chr03	35600624	CC	GG	1940174875
SNP_P1_46703_35600625	NC_021162.1	Ca_kabuli_chr03	35600625	GG	TT	1940174878

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46706_35600658	NC_021162.1	Ca_kabuli_chr03	35600658	TT	AA	1940174884
SNP_P1_46707_35600942	NC_021162.1	Ca_kabuli_chr03	35600942	GG	CC	1940174886
SNP_P1_46708_35601676	NC_021162.1	Ca_kabuli_chr03	35601676	AA	GG	1940174888
SNP_P1_46709_35602023	NC_021162.1	Ca_kabuli_chr03	35602023	CC	GG	1940174890
SNP_P1_46710_35602029	NC_021162.1	Ca_kabuli_chr03	35602029	TT	CC	1940174893
SNP_P1_46712_35602237	NC_021162.1	Ca_kabuli_chr03	35602237	GG	AA	1940174895
SNP_P1_46713_35602239	NC_021162.1	Ca_kabuli_chr03	35602239	TT	GG	1940174897
SNP_P1_46714_35602302	NC_021162.1	Ca_kabuli_chr03	35602302	AA	TT	1940174899
SNP_P1_46715_35602326	NC_021162.1	Ca_kabuli_chr03	35602326	CC	TT	1940174901
SNP_P1_46716_35603018	NC_021162.1	Ca_kabuli_chr03	35603018	GG	AA	1940174903
SNP_P1_46717_35603043	NC_021162.1	Ca_kabuli_chr03	35603043	AA	CC	1940174906
SNP_P1_46718_35603116	NC_021162.1	Ca_kabuli_chr03	35603116	AA	GG	1940174908
SNP_P1_46719_35603619	NC_021162.1	Ca_kabuli_chr03	35603619	TT	CC	1940174910
SNP_P1_46720_35603667	NC_021162.1	Ca_kabuli_chr03	35603667	CC	TT	1940174912
SNP_P1_46721_35603683	NC_021162.1	Ca_kabuli_chr03	35603683	TT	CC	1940174914
SNP_P1_46722_35604020	NC_021162.1	Ca_kabuli_chr03	35604020	AA	GG	1940174916
SNP_P1_46723_35604310	NC_021162.1	Ca_kabuli_chr03	35604310	AA	GG	1940174918
SNP_P1_46724_35604321	NC_021162.1	Ca_kabuli_chr03	35604321	GG	AA	1940174921
SNP_P1_46725_35605195	NC_021162.1	Ca_kabuli_chr03	35605195	AA	GG	1940174923
SNP_P1_46726_35605214	NC_021162.1	Ca_kabuli_chr03	35605214	GG	AA	1940174925
SNP_P1_46727_35605366	NC_021162.1	Ca_kabuli_chr03	35605366	AA	CC	1940174927
SNP_P1_46728_35605716	NC_021162.1	Ca_kabuli_chr03	35605716	AA	GG	1940174929
SNP_P1_46729_35605719	NC_021162.1	Ca_kabuli_chr03	35605719	GG	TT	1940174931
SNP_P1_46730_35606942	NC_021162.1	Ca_kabuli_chr03	35606942	GG	AA	1940174933
SNP_P1_46731_35607446	NC_021162.1	Ca_kabuli_chr03	35607446	CC	TT	1940174936
SNP_P1_46733_35608050	NC_021162.1	Ca_kabuli_chr03	35608050	TT	AA	1940174938
SNP_P1_46734_35608071	NC_021162.1	Ca_kabuli_chr03	35608071	GG	AA	1940174940
SNP_P1_46735_35608438	NC_021162.1	Ca_kabuli_chr03	35608438	AA	GG	1940174941
SNP_P1_46738_35615558	NC_021162.1	Ca_kabuli_chr03	35615558	AA	GG	1940174943
SNP_P1_46739_35615639	NC_021162.1	Ca_kabuli_chr03	35615639	GG	TT	1940174945
SNP_P1_46741_35617004	NC_021162.1	Ca_kabuli_chr03	35617004	TT	AA	1940174947
SNP_P1_46742_35617892	NC_021162.1	Ca_kabuli_chr03	35617892	TT	CC	1940174949
SNP_P1_46745_35618187	NC_021162.1	Ca_kabuli_chr03	35618187	GG	AA	1940174951
SNP_P1_46746_35618690	NC_021162.1	Ca_kabuli_chr03	35618690	TT	AA	1940174953
SNP_P1_46747_35619180	NC_021162.1	Ca_kabuli_chr03	35619180	CC	GG	1940174955
SNP_P1_46748_35619752	NC_021162.1	Ca_kabuli_chr03	35619752	TT	GG	1940174958
SNP_P1_46751_35621853	NC_021162.1	Ca_kabuli_chr03	35621853	TT	AA	1940174960
SNP_P1_46753_35621909	NC_021162.1	Ca_kabuli_chr03	35621909	TT	CC	1940174962
SNP_P1_46754_35623848	NC_021162.1	Ca_kabuli_chr03	35623848	CC	TT	1940174964
SNP_P1_46755_35623852	NC_021162.1	Ca_kabuli_chr03	35623852	GG	AA	1940174966

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46757_35626076	NC_021162.1	Ca_kabuli_chr03	35626076	TT	CC	1940174971
SNP_P1_46758_35626535	NC_021162.1	Ca_kabuli_chr03	35626535	TT	CC	1940174973
SNP_P1_46759_35626536	NC_021162.1	Ca_kabuli_chr03	35626536	CC	GG	1940174975
SNP_P1_46760_35626556	NC_021162.1	Ca_kabuli_chr03	35626556	AA	GG	1940174977
SNP_P1_46761_35626559	NC_021162.1	Ca_kabuli_chr03	35626559	AA	GG	1940174979
SNP_P1_46762_35626569	NC_021162.1	Ca_kabuli_chr03	35626569	AA	GG	1940174981
SNP_P1_46764_35626716	NC_021162.1	Ca_kabuli_chr03	35626716	GG	AA	1940174983
SNP_P1_46765_35626810	NC_021162.1	Ca_kabuli_chr03	35626810	CC	AA	1940174986
SNP_P1_46767_35627385	NC_021162.1	Ca_kabuli_chr03	35627385	TT	CC	1940174988
SNP_P1_46768_35627569	NC_021162.1	Ca_kabuli_chr03	35627569	TT	GG	1940174990
SNP_P1_46769_35627575	NC_021162.1	Ca_kabuli_chr03	35627575	TT	CC	1940174992
SNP_P1_46770_35627576	NC_021162.1	Ca_kabuli_chr03	35627576	TT	CC	1940174994
SNP_P1_46772_35628407	NC_021162.1	Ca_kabuli_chr03	35628407	AA	GG	1940174996
SNP_P1_46773_35628443	NC_021162.1	Ca_kabuli_chr03	35628443	AA	GG	1940174998
SNP_P1_46774_35631086	NC_021162.1	Ca_kabuli_chr03	35631086	TT	CC	1940175001
SNP_P1_46775_35631259	NC_021162.1	Ca_kabuli_chr03	35631259	TT	CC	1940175003
SNP_P1_46776_35631310	NC_021162.1	Ca_kabuli_chr03	35631310	AA	TT	1940175005
SNP_P1_46777_35631833	NC_021162.1	Ca_kabuli_chr03	35631833	AA	TT	1940175007
SNP_P1_46778_35631909	NC_021162.1	Ca_kabuli_chr03	35631909	CC	AA	1940175009
SNP_P1_46779_35632173	NC_021162.1	Ca_kabuli_chr03	35632173	AA	TT	1940175011
SNP_P1_46780_35632348	NC_021162.1	Ca_kabuli_chr03	35632348	GG	AA	1940175013
SNP_P1_46781_35632370	NC_021162.1	Ca_kabuli_chr03	35632370	GG	TT	1940175016
SNP_P1_46782_35632441	NC_021162.1	Ca_kabuli_chr03	35632441	AA	GG	1940175018
SNP_P1_46783_35632494	NC_021162.1	Ca_kabuli_chr03	35632494	CC	TT	1940175020
SNP_P1_46785_35633198	NC_021162.1	Ca_kabuli_chr03	35633198	TT	CC	1940175022
SNP_P1_46786_35633751	NC_021162.1	Ca_kabuli_chr03	35633751	TT	AA	1940175024
SNP_P1_46787_35633759	NC_021162.1	Ca_kabuli_chr03	35633759	TT	CC	1940175026
SNP_P1_46789_35634224	NC_021162.1	Ca_kabuli_chr03	35634224	AA	GG	1940175028
SNP_P1_46790_35634858	NC_021162.1	Ca_kabuli_chr03	35634858	AA	GG	1940175031
SNP_P1_46791_35635333	NC_021162.1	Ca_kabuli_chr03	35635333	AA	GG	1940175033
SNP_P1_46792_35635342	NC_021162.1	Ca_kabuli_chr03	35635342	TT	CC	1940175035
SNP_P1_46795_35636726	NC_021162.1	Ca_kabuli_chr03	35636726	GG	AA	1940175037
SNP_P1_46796_35638328	NC_021162.1	Ca_kabuli_chr03	35638328	TT	CC	1940175039
SNP_P1_46797_35638381	NC_021162.1	Ca_kabuli_chr03	35638381	CC	TT	1940175041
SNP_P1_46798_35638768	NC_021162.1	Ca_kabuli_chr03	35638768	TT	CC	1940175043
SNP_P1_46799_35638917	NC_021162.1	Ca_kabuli_chr03	35638917	AA	GG	1940175046
SNP_P1_46800_35638921	NC_021162.1	Ca_kabuli_chr03	35638921	CC	AA	1940175048
SNP_P1_46801_35638945	NC_021162.1	Ca_kabuli_chr03	35638945	TT	GG	1940175050
SNP_P1_46802_35639462	NC_021162.1	Ca_kabuli_chr03	35639462	CC	TT	1940175052
SNP_P1_46803_35639903	NC_021162.1	Ca_kabuli_chr03	35639903	GG	CC	1940175054
SNP_P1_46804_35640273	NC_021162.1	Ca_kabuli_chr03	35640273	AA	CC	1940175056

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46806_35640479	NC_021162.1	Ca_kabuli_chr03	35640479	AA	GG	1940175061
SNP_P1_46807_35640627	NC_021162.1	Ca_kabuli_chr03	35640627	GG	AA	1940175063
SNP_P1_46808_35640672	NC_021162.1	Ca_kabuli_chr03	35640672	TT	CC	1940175065
SNP_P1_46809_35641068	NC_021162.1	Ca_kabuli_chr03	35641068	GG	AA	1940175067
SNP_P1_46810_35641437	NC_021162.1	Ca_kabuli_chr03	35641437	GG	AA	1940175069
SNP_P1_46811_35641926	NC_021162.1	Ca_kabuli_chr03	35641926	TT	CC	1940175071
SNP_P1_46812_35642241	NC_021162.1	Ca_kabuli_chr03	35642241	AA	GG	1940175074
SNP_P1_46813_35642255	NC_021162.1	Ca_kabuli_chr03	35642255	GG	CC	1940175076
SNP_P1_46814_35642373	NC_021162.1	Ca_kabuli_chr03	35642373	TT	CC	1940175078
SNP_P1_46815_35642480	NC_021162.1	Ca_kabuli_chr03	35642480	TT	AA	1940175080
SNP_P1_46816_35642540	NC_021162.1	Ca_kabuli_chr03	35642540	CC	GG	1940175082
SNP_P1_46817_35642806	NC_021162.1	Ca_kabuli_chr03	35642806	TT	CC	1940175084
SNP_P1_46818_35643107	NC_021162.1	Ca_kabuli_chr03	35643107	CC	TT	1940175086
SNP_P1_46819_35643264	NC_021162.1	Ca_kabuli_chr03	35643264	CC	AA	1940175089
SNP_P1_46820_35643265	NC_021162.1	Ca_kabuli_chr03	35643265	AA	CC	1940175091
SNP_P1_46822_35643493	NC_021162.1	Ca_kabuli_chr03	35643493	GG	AA	1940175093
SNP_P1_46823_35643513	NC_021162.1	Ca_kabuli_chr03	35643513	CC	AA	1940175095
SNP_P1_46824_35643692	NC_021162.1	Ca_kabuli_chr03	35643692	GG	AA	1940175097
SNP_P1_46826_35643930	NC_021162.1	Ca_kabuli_chr03	35643930	CC	GG	1940175099
SNP_P1_46828_35644706	NC_021162.1	Ca_kabuli_chr03	35644706	AA	CC	1940175101
SNP_P1_46829_35645155	NC_021162.1	Ca_kabuli_chr03	35645155	AA	GG	1940175104
SNP_P1_46830_35645980	NC_021162.1	Ca_kabuli_chr03	35645980	AA	GG	1940175106
SNP_P1_46831_35645989	NC_021162.1	Ca_kabuli_chr03	35645989	GG	CC	1940175108
SNP_P1_46832_35646134	NC_021162.1	Ca_kabuli_chr03	35646134	GG	AA	1940175110
SNP_P1_46833_35646168	NC_021162.1	Ca_kabuli_chr03	35646168	TT	GG	1940175112
SNP_P1_46834_35646170	NC_021162.1	Ca_kabuli_chr03	35646170	CC	TT	1940175114
SNP_P1_46835_35646182	NC_021162.1	Ca_kabuli_chr03	35646182	TT	CC	1940175116
SNP_P1_46836_35646414	NC_021162.1	Ca_kabuli_chr03	35646414	GG	CC	1940175119
SNP_P1_46837_35646448	NC_021162.1	Ca_kabuli_chr03	35646448	TT	CC	1940175121
SNP_P1_46838_35647138	NC_021162.1	Ca_kabuli_chr03	35647138	AA	GG	1940175123
SNP_P1_46839_35647923	NC_021162.1	Ca_kabuli_chr03	35647923	GG	AA	1940175125
SNP_P1_46840_35648211	NC_021162.1	Ca_kabuli_chr03	35648211	CC	AA	1940175127
SNP_P1_46841_35648216	NC_021162.1	Ca_kabuli_chr03	35648216	GG	AA	1940175129
SNP_P1_46842_35648345	NC_021162.1	Ca_kabuli_chr03	35648345	AA	CC	1940175132
SNP_P1_46843_35649834	NC_021162.1	Ca_kabuli_chr03	35649834	GG	AA	1940175134
SNP_P1_46844_35650056	NC_021162.1	Ca_kabuli_chr03	35650056	CC	TT	1940175136
SNP_P1_46845_35650057	NC_021162.1	Ca_kabuli_chr03	35650057	AA	CC	1940175138
SNP_P1_46846_35650059	NC_021162.1	Ca_kabuli_chr03	35650059	AA	CC	1940175140
SNP_P1_46847_35650084	NC_021162.1	Ca_kabuli_chr03	35650084	AA	GG	1940175142
SNP_P1_46848_35650092	NC_021162.1	Ca_kabuli_chr03	35650092	CC	TT	1940175144
SNP_P1_46849_35650237	NC_021162.1	Ca_kabuli_chr03	35650237	CC	TT	1940175147

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46851_35650256	NC_021162.1	Ca_kabuli_chr03	35650256	TT	CC	1940175151
SNP_P1_46852_35650258	NC_021162.1	Ca_kabuli_chr03	35650258	TT	GG	1940175153
SNP_P1_46853_35650261	NC_021162.1	Ca_kabuli_chr03	35650261	AA	CC	1940175155
SNP_P1_46854_35650621	NC_021162.1	Ca_kabuli_chr03	35650621	TT	CC	1940175157
SNP_P1_46855_35651357	NC_021162.1	Ca_kabuli_chr03	35651357	GG	TT	1940175159
SNP_P1_46856_35651365	NC_021162.1	Ca_kabuli_chr03	35651365	AA	GG	1940175162
SNP_P1_46857_35652556	NC_021162.1	Ca_kabuli_chr03	35652556	AA	GG	1940175164
SNP_P1_46858_35652667	NC_021162.1	Ca_kabuli_chr03	35652667	GG	AA	1940175166
SNP_P1_46860_35652860	NC_021162.1	Ca_kabuli_chr03	35652860	GG	TT	1940175168
SNP_P1_46862_35653900	NC_021162.1	Ca_kabuli_chr03	35653900	GG	TT	1940175170
SNP_P1_46866_35655394	NC_021162.1	Ca_kabuli_chr03	35655394	TT	CC	1940175172
SNP_P1_46867_35655398	NC_021162.1	Ca_kabuli_chr03	35655398	AA	CC	1940175175
SNP_P1_46868_35656260	NC_021162.1	Ca_kabuli_chr03	35656260	CC	TT	1940175177
SNP_P1_46869_35656305	NC_021162.1	Ca_kabuli_chr03	35656305	GG	AA	1940175179
SNP_P1_46870_35656313	NC_021162.1	Ca_kabuli_chr03	35656313	TT	CC	1940175181
SNP_P1_46871_35656356	NC_021162.1	Ca_kabuli_chr03	35656356	AA	GG	1940175183
SNP_P1_46872_35656738	NC_021162.1	Ca_kabuli_chr03	35656738	CC	TT	1940175185
SNP_P1_46873_35658449	NC_021162.1	Ca_kabuli_chr03	35658449	CC	TT	1940175188
SNP_P1_46874_35660919	NC_021162.1	Ca_kabuli_chr03	35660919	CC	AA	1940175190
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SNP_P1_46876_35661126	NC_021162.1	Ca_kabuli_chr03	35661126	GG	AA	1940175194
SNP_P1_46878_35661750	NC_021162.1	Ca_kabuli_chr03	35661750	TT	AA	1940175196
SNP_P1_46880_35663043	NC_021162.1	Ca_kabuli_chr03	35663043	TT	AA	1940175198
SNP_P1_46881_35663432	NC_021162.1	Ca_kabuli_chr03	35663432	TT	CC	1940175200
SNP_P1_46882_35664355	NC_021162.1	Ca_kabuli_chr03	35664355	GG	AA	1940175203
SNP_P1_46883_35664408	NC_021162.1	Ca_kabuli_chr03	35664408	GG	AA	1940175205
SNP_P1_46884_35665061	NC_021162.1	Ca_kabuli_chr03	35665061	AA	CC	1940175207
SNP_P1_46886_35665237	NC_021162.1	Ca_kabuli_chr03	35665237	GG	AA	1940175209
SNP_P1_46887_35665280	NC_021162.1	Ca_kabuli_chr03	35665280	CC	TT	1940175211
SNP_P1_46889_35665463	NC_021162.1	Ca_kabuli_chr03	35665463	TT	CC	1940175213
SNP_P1_46890_35665473	NC_021162.1	Ca_kabuli_chr03	35665473	CC	TT	1940175215
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SNP_P1_46894_35666786	NC_021162.1	Ca_kabuli_chr03	35666786	AA	TT	1940175224
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SNP_P1_46896_35667127	NC_021162.1	Ca_kabuli_chr03	35667127	GG	AA	1940175228
SNP_P1_46897_35667130	NC_021162.1	Ca_kabuli_chr03	35667130	CC	TT	1940175230
SNP_P1_46898_35667153	NC_021162.1	Ca_kabuli_chr03	35667153	TT	CC	1940175233
SNP_P1_46899_35667166	NC_021162.1	Ca_kabuli_chr03	35667166	AA	TT	1940175235
SNP_P1_46900_35667168	NC_021162.1	Ca_kabuli_chr03	35667168	AA	GG	1940175237

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46904_35668273	NC_021162.1	Ca_kabuli_chr03	35668273	TT	GG	1940175243
SNP_P1_46905_35668432	NC_021162.1	Ca_kabuli_chr03	35668432	TT	GG	1940175245
SNP_P1_46906_35668436	NC_021162.1	Ca_kabuli_chr03	35668436	GG	TT	1940175248
SNP_P1_46908_35668522	NC_021162.1	Ca_kabuli_chr03	35668522	AA	GG	1940175250
SNP_P1_46909_35668696	NC_021162.1	Ca_kabuli_chr03	35668696	TT	CC	1940175252
SNP_P1_46910_35668697	NC_021162.1	Ca_kabuli_chr03	35668697	GG	TT	1940175254
SNP_P1_46912_35669147	NC_021162.1	Ca_kabuli_chr03	35669147	CC	TT	1940175256
SNP_P1_46913_35669200	NC_021162.1	Ca_kabuli_chr03	35669200	TT	CC	1940175258
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SNP_P1_46917_35669433	NC_021162.1	Ca_kabuli_chr03	35669433	GG	AA	1940175267
SNP_P1_46918_35669641	NC_021162.1	Ca_kabuli_chr03	35669641	TT	CC	1940175269
SNP_P1_46919_35669648	NC_021162.1	Ca_kabuli_chr03	35669648	AA	GG	1940175271
SNP_P1_46920_35669662	NC_021162.1	Ca_kabuli_chr03	35669662	AA	GG	1940175273
SNP_P1_46922_35669685	NC_021162.1	Ca_kabuli_chr03	35669685	AA	TT	1940175276
SNP_P1_46923_35669873	NC_021162.1	Ca_kabuli_chr03	35669873	GG	AA	1940175278
SNP_P1_46924_35670344	NC_021162.1	Ca_kabuli_chr03	35670344	TT	GG	1940175280
SNP_P1_46925_35670357	NC_021162.1	Ca_kabuli_chr03	35670357	CC	AA	1940175282
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SNP_P1_46927_35670519	NC_021162.1	Ca_kabuli_chr03	35670519	TT	AA	1940175286
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SNP_P1_46933_35674373	NC_021162.1	Ca_kabuli_chr03	35674373	GG	AA	1940175299
SNP_P1_46934_35674746	NC_021162.1	Ca_kabuli_chr03	35674746	TT	AA	1940175301
SNP_P1_46935_35674777	NC_021162.1	Ca_kabuli_chr03	35674777	AA	CC	1940175303
SNP_P1_46938_35678788	NC_021162.1	Ca_kabuli_chr03	35678788	GG	AA	1940175306
SNP_P1_46939_35678899	NC_021162.1	Ca_kabuli_chr03	35678899	TT	CC	1940175308
SNP_P1_46940_35678915	NC_021162.1	Ca_kabuli_chr03	35678915	AA	TT	1940175310
SNP_P1_46941_35678955	NC_021162.1	Ca_kabuli_chr03	35678955	GG	AA	1940175312
SNP_P1_46943_35679699	NC_021162.1	Ca_kabuli_chr03	35679699	CC	AA	1940175314
SNP_P1_46944_35679709	NC_021162.1	Ca_kabuli_chr03	35679709	CC	TT	1940175316
SNP_P1_46945_35679782	NC_021162.1	Ca_kabuli_chr03	35679782	GG	TT	1940175319
SNP_P1_46946_35680086	NC_021162.1	Ca_kabuli_chr03	35680086	AA	GG	1940175321
SNP_P1_46947_35680347	NC_021162.1	Ca_kabuli_chr03	35680347	AA	GG	1940175323
SNP_P1_46948_35680473	NC_021162.1	Ca_kabuli_chr03	35680473	GG	TT	1940175325
SNP_P1_46949_35680655	NC_021162.1	Ca_kabuli_chr03	35680655	AA	GG	1940175327

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_46951_35680726	NC_021162.1	Ca_kabuli_chr03	35680726	GG	AA	1940175331
SNP_P1_46953_35682461	NC_021162.1	Ca_kabuli_chr03	35682461	CC	TT	1940175333
SNP_P1_46954_35683315	NC_021162.1	Ca_kabuli_chr03	35683315	TT	AA	1940175336
SNP_P1_46955_35684506	NC_021162.1	Ca_kabuli_chr03	35684506	GG	AA	1940175338
SNP_P1_46956_35684556	NC_021162.1	Ca_kabuli_chr03	35684556	AA	GG	1940175340
SNP_P1_46957_35684558	NC_021162.1	Ca_kabuli_chr03	35684558	AA	GG	1940175342
SNP_P1_46958_35684637	NC_021162.1	Ca_kabuli_chr03	35684637	GG	CC	1940175344
SNP_P1_46959_35684672	NC_021162.1	Ca_kabuli_chr03	35684672	AA	TT	1940175346
SNP_P1_46960_35685090	NC_021162.1	Ca_kabuli_chr03	35685090	TT	AA	1940175349
SNP_P1_46961_35685336	NC_021162.1	Ca_kabuli_chr03	35685336	GG	AA	1940175351
SNP_P1_46962_35685343	NC_021162.1	Ca_kabuli_chr03	35685343	GG	TT	1940175353
SNP_P1_46963_35685378	NC_021162.1	Ca_kabuli_chr03	35685378	GG	AA	1940175355
SNP_P1_46964_35685423	NC_021162.1	Ca_kabuli_chr03	35685423	GG	AA	1940175357
SNP_P1_46966_35685530	NC_021162.1	Ca_kabuli_chr03	35685530	CC	GG	1940175359
SNP_P1_46967_35685813	NC_021162.1	Ca_kabuli_chr03	35685813	TT	CC	1940175361
SNP_P1_46968_35685826	NC_021162.1	Ca_kabuli_chr03	35685826	AA	GG	1940175364
SNP_P1_46971_35692908	NC_021162.1	Ca_kabuli_chr03	35692908	TT	AA	1940175366
SNP_P1_46972_35692954	NC_021162.1	Ca_kabuli_chr03	35692954	GG	TT	1940175368
SNP_P1_46973_35693205	NC_021162.1	Ca_kabuli_chr03	35693205	TT	CC	1940175370
SNP_P1_46974_35695066	NC_021162.1	Ca_kabuli_chr03	35695066	GG	AA	1940175372
SNP_P1_46975_35695346	NC_021162.1	Ca_kabuli_chr03	35695346	AA	TT	1940175374
SNP_P1_46976_35695428	NC_021162.1	Ca_kabuli_chr03	35695428	GG	AA	1940175376
SNP_P1_46977_35695563	NC_021162.1	Ca_kabuli_chr03	35695563	AA	TT	1940175379
SNP_P1_46978_35695573	NC_021162.1	Ca_kabuli_chr03	35695573	AA	GG	1940175381
SNP_P1_46979_35695602	NC_021162.1	Ca_kabuli_chr03	35695602	TT	CC	1940175383
SNP_P1_46980_35695644	NC_021162.1	Ca_kabuli_chr03	35695644	TT	CC	1940175385
SNP_P1_46981_35696442	NC_021162.1	Ca_kabuli_chr03	35696442	AA	TT	1940175387
SNP_P1_46982_35696447	NC_021162.1	Ca_kabuli_chr03	35696447	CC	TT	1940175389
SNP_P1_46983_35696505	NC_021162.1	Ca_kabuli_chr03	35696505	AA	GG	1940175391
SNP_P1_46984_35696528	NC_021162.1	Ca_kabuli_chr03	35696528	CC	TT	1940175394
SNP_P1_46985_35696530	NC_021162.1	Ca_kabuli_chr03	35696530	AA	CC	1940175396
SNP_P1_46986_35696570	NC_021162.1	Ca_kabuli_chr03	35696570	CC	GG	1940175398
SNP_P1_46987_35696867	NC_021162.1	Ca_kabuli_chr03	35696867	CC	TT	1940175400
SNP_P1_46988_35697072	NC_021162.1	Ca_kabuli_chr03	35697072	GG	TT	1940175402
SNP_P1_46989_35697093	NC_021162.1	Ca_kabuli_chr03	35697093	AA	TT	1940175404
SNP_P1_46990_35697416	NC_021162.1	Ca_kabuli_chr03	35697416	AA	TT	1940175406
SNP_P1_46991_35697481	NC_021162.1	Ca_kabuli_chr03	35697481	GG	TT	1940175409
SNP_P1_46992_35697652	NC_021162.1	Ca_kabuli_chr03	35697652	TT	AA	1940175411
SNP_P1_46994_35697801	NC_021162.1	Ca_kabuli_chr03	35697801	GG	AA	1940175413
SNP_P1_46995_35698583	NC_021162.1	Ca_kabuli_chr03	35698583	AA	GG	1940175415
SNP_P1_46996_35698637	NC_021162.1	Ca_kabuli_chr03	35698637	TT	AA	1940175417

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47000_35698817	NC_021162.1	Ca_kabuli_chr03	35698817	CC	TT	1940175422
SNP_P1_47002_35699173	NC_021162.1	Ca_kabuli_chr03	35699173	CC	TT	1940175424
SNP_P1_47004_35702706	NC_021162.1	Ca_kabuli_chr03	35702706	CC	TT	1940175426
SNP_P1_47005_35702710	NC_021162.1	Ca_kabuli_chr03	35702710	TT	AA	1940175428
SNP_P1_47006_35702944	NC_021162.1	Ca_kabuli_chr03	35702944	CC	AA	1940175430
SNP_P1_47007_35703033	NC_021162.1	Ca_kabuli_chr03	35703033	CC	TT	1940175432
SNP_P1_47008_35703034	NC_021162.1	Ca_kabuli_chr03	35703034	CC	TT	1940175434
SNP_P1_47010_35703129	NC_021162.1	Ca_kabuli_chr03	35703129	AA	GG	1940175437
SNP_P1_47011_35703168	NC_021162.1	Ca_kabuli_chr03	35703168	CC	TT	1940175439
SNP_P1_47012_35703205	NC_021162.1	Ca_kabuli_chr03	35703205	GG	AA	1940175441
SNP_P1_47013_35703208	NC_021162.1	Ca_kabuli_chr03	35703208	CC	TT	1940175443
SNP_P1_47014_35703212	NC_021162.1	Ca_kabuli_chr03	35703212	GG	AA	1940175445
SNP_P1_47015_35703231	NC_021162.1	Ca_kabuli_chr03	35703231	TT	CC	1940175447
SNP_P1_47016_35703266	NC_021162.1	Ca_kabuli_chr03	35703266	TT	CC	1940175450
SNP_P1_47017_35703269	NC_021162.1	Ca_kabuli_chr03	35703269	GG	AA	1940175452
SNP_P1_47018_35703283	NC_021162.1	Ca_kabuli_chr03	35703283	CC	TT	1940175454
SNP_P1_47019_35703290	NC_021162.1	Ca_kabuli_chr03	35703290	TT	CC	1940175456
SNP_P1_47020_35703306	NC_021162.1	Ca_kabuli_chr03	35703306	AA	GG	1940175458
SNP_P1_47022_35703421	NC_021162.1	Ca_kabuli_chr03	35703421	CC	TT	1940175460
SNP_P1_47023_35703454	NC_021162.1	Ca_kabuli_chr03	35703454	CC	TT	1940175462
SNP_P1_47024_35703459	NC_021162.1	Ca_kabuli_chr03	35703459	AA	GG	1940175465
SNP_P1_47025_35703475	NC_021162.1	Ca_kabuli_chr03	35703475	AA	GG	1940175467
SNP_P1_47026_35703484	NC_021162.1	Ca_kabuli_chr03	35703484	CC	TT	1940175469
SNP_P1_47027_35703491	NC_021162.1	Ca_kabuli_chr03	35703491	AA	TT	1940175471
SNP_P1_47028_35703520	NC_021162.1	Ca_kabuli_chr03	35703520	AA	GG	1940175473
SNP_P1_47029_35703741	NC_021162.1	Ca_kabuli_chr03	35703741	TT	GG	1940175475
SNP_P1_47030_35703956	NC_021162.1	Ca_kabuli_chr03	35703956	CC	AA	1940175477
SNP_P1_47032_35705158	NC_021162.1	Ca_kabuli_chr03	35705158	CC	TT	1940175480
SNP_P1_47033_35705382	NC_021162.1	Ca_kabuli_chr03	35705382	AA	TT	1940175482
SNP_P1_47034_35705427	NC_021162.1	Ca_kabuli_chr03	35705427	GG	CC	1940175484
SNP_P1_47035_35705757	NC_021162.1	Ca_kabuli_chr03	35705757	TT	AA	1940175486
SNP_P1_47036_35705786	NC_021162.1	Ca_kabuli_chr03	35705786	CC	TT	1940175488
SNP_P1_47037_35705827	NC_021162.1	Ca_kabuli_chr03	35705827	TT	CC	1940175490
SNP_P1_47039_35705867	NC_021162.1	Ca_kabuli_chr03	35705867	GG	AA	1940175493
SNP_P1_47040_35705891	NC_021162.1	Ca_kabuli_chr03	35705891	AA	GG	1940175495
SNP_P1_47041_35705970	NC_021162.1	Ca_kabuli_chr03	35705970	CC	TT	1940175497
SNP_P1_47042_35705979	NC_021162.1	Ca_kabuli_chr03	35705979	CC	TT	1940175499
SNP_P1_47043_35706007	NC_021162.1	Ca_kabuli_chr03	35706007	CC	TT	1940175501
SNP_P1_47044_35706011	NC_021162.1	Ca_kabuli_chr03	35706011	GG	AA	1940175503
SNP_P1_47045_35706012	NC_021162.1	Ca_kabuli_chr03	35706012	AA	GG	1940175505
SNP_P1_47046_35706030	NC_021162.1	Ca_kabuli_chr03	35706030	CC	TT	1940175508

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47048_35706665	NC_021162.1	Ca_kabuli_chr03	35706665	AA	TT	1940175512
SNP_P1_47050_35707263	NC_021162.1	Ca_kabuli_chr03	35707263	TT	CC	1940175514
SNP_P1_47051_35707341	NC_021162.1	Ca_kabuli_chr03	35707341	CC	GG	1940175516
SNP_P1_47052_35707366	NC_021162.1	Ca_kabuli_chr03	35707366	CC	GG	1940175518
SNP_P1_47053_35707383	NC_021162.1	Ca_kabuli_chr03	35707383	CC	GG	1940175520
SNP_P1_47054_35707417	NC_021162.1	Ca_kabuli_chr03	35707417	TT	AA	1940175523
SNP_P1_47056_35707828	NC_021162.1	Ca_kabuli_chr03	35707828	CC	TT	1940175525
SNP_P1_47057_35707900	NC_021162.1	Ca_kabuli_chr03	35707900	AA	TT	1940175527
SNP_P1_47058_35708210	NC_021162.1	Ca_kabuli_chr03	35708210	GG	TT	1940175529
SNP_P1_47059_35708239	NC_021162.1	Ca_kabuli_chr03	35708239	AA	GG	1940175531
SNP_P1_47060_35708264	NC_021162.1	Ca_kabuli_chr03	35708264	AA	TT	1940175533
SNP_P1_47061_35708560	NC_021162.1	Ca_kabuli_chr03	35708560	GG	AA	1940175536
SNP_P1_47062_35708588	NC_021162.1	Ca_kabuli_chr03	35708588	AA	GG	1940175538
SNP_P1_47063_35708591	NC_021162.1	Ca_kabuli_chr03	35708591	TT	CC	1940175540
SNP_P1_47064_35708890	NC_021162.1	Ca_kabuli_chr03	35708890	TT	AA	1940175542
SNP_P1_47065_35708895	NC_021162.1	Ca_kabuli_chr03	35708895	TT	AA	1940175544
SNP_P1_47066_35709639	NC_021162.1	Ca_kabuli_chr03	35709639	GG	AA	1940175546
SNP_P1_47067_35709709	NC_021162.1	Ca_kabuli_chr03	35709709	AA	TT	1940175548
SNP_P1_47068_35709851	NC_021162.1	Ca_kabuli_chr03	35709851	GG	AA	1940175551
SNP_P1_47069_35710944	NC_021162.1	Ca_kabuli_chr03	35710944	GG	AA	1940175553
SNP_P1_47070_35710947	NC_021162.1	Ca_kabuli_chr03	35710947	TT	CC	1940175555
SNP_P1_47071_35711286	NC_021162.1	Ca_kabuli_chr03	35711286	TT	GG	1940175557
SNP_P1_47072_35711297	NC_021162.1	Ca_kabuli_chr03	35711297	AA	TT	1940175559
SNP_P1_47073_35711319	NC_021162.1	Ca_kabuli_chr03	35711319	CC	TT	1940175561
SNP_P1_47075_35711634	NC_021162.1	Ca_kabuli_chr03	35711634	GG	AA	1940175563
SNP_P1_47076_35711670	NC_021162.1	Ca_kabuli_chr03	35711670	TT	GG	1940175566
SNP_P1_47077_35711713	NC_021162.1	Ca_kabuli_chr03	35711713	TT	CC	1940175568
SNP_P1_47078_35713415	NC_021162.1	Ca_kabuli_chr03	35713415	GG	AA	1940175570
SNP_P1_47079_35713423	NC_021162.1	Ca_kabuli_chr03	35713423	TT	CC	1940175572
SNP_P1_47080_35715444	NC_021162.1	Ca_kabuli_chr03	35715444	TT	CC	1940175574
SNP_P1_47083_35716785	NC_021162.1	Ca_kabuli_chr03	35716785	CC	AA	1940175576
SNP_P1_47084_35716797	NC_021162.1	Ca_kabuli_chr03	35716797	TT	GG	1940175578
SNP_P1_47085_35718269	NC_021162.1	Ca_kabuli_chr03	35718269	CC	TT	1940175581
SNP_P1_47086_35718478	NC_021162.1	Ca_kabuli_chr03	35718478	GG	TT	1940175583
SNP_P1_47087_35718479	NC_021162.1	Ca_kabuli_chr03	35718479	AA	TT	1940175585
SNP_P1_47088_35718635	NC_021162.1	Ca_kabuli_chr03	35718635	AA	CC	1940175587
SNP_P1_47089_35718823	NC_021162.1	Ca_kabuli_chr03	35718823	GG	AA	1940175589
SNP_P1_47090_35718902	NC_021162.1	Ca_kabuli_chr03	35718902	TT	CC	1940175591
SNP_P1_47091_35719375	NC_021162.1	Ca_kabuli_chr03	35719375	TT	CC	1940175593
SNP_P1_47092_35719501	NC_021162.1	Ca_kabuli_chr03	35719501	TT	AA	1940175596
SNP_P1_47093_35719586	NC_021162.1	Ca_kabuli_chr03	35719586	TT	AA	1940175598

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47095_35721789	NC_021162.1	Ca_kabuli_chr03	35721789	TT	AA	1940175602
SNP_P1_47097_35722115	NC_021162.1	Ca_kabuli_chr03	35722115	GG	AA	1940175604
SNP_P1_47098_35722126	NC_021162.1	Ca_kabuli_chr03	35722126	AA	GG	1940175606
SNP_P1_47099_35722717	NC_021162.1	Ca_kabuli_chr03	35722717	TT	AA	1940175608
SNP_P1_47100_35722741	NC_021162.1	Ca_kabuli_chr03	35722741	TT	CC	1940175611
SNP_P1_47102_35724677	NC_021162.1	Ca_kabuli_chr03	35724677	AA	GG	1940175613
SNP_P1_47103_35724684	NC_021162.1	Ca_kabuli_chr03	35724684	CC	AA	1940175615
SNP_P1_47104_35724699	NC_021162.1	Ca_kabuli_chr03	35724699	CC	TT	1940175617
SNP_P1_47105_35725139	NC_021162.1	Ca_kabuli_chr03	35725139	AA	CC	1940175619
SNP_P1_47106_35725189	NC_021162.1	Ca_kabuli_chr03	35725189	GG	AA	1940175621
SNP_P1_47107_35725191	NC_021162.1	Ca_kabuli_chr03	35725191	GG	TT	1940175623
SNP_P1_47108_35725210	NC_021162.1	Ca_kabuli_chr03	35725210	TT	CC	1940175626
SNP_P1_47109_35725242	NC_021162.1	Ca_kabuli_chr03	35725242	TT	AA	1940175628
SNP_P1_47110_35725271	NC_021162.1	Ca_kabuli_chr03	35725271	CC	TT	1940175630
SNP_P1_47111_35725277	NC_021162.1	Ca_kabuli_chr03	35725277	TT	GG	1940175632
SNP_P1_47112_35725416	NC_021162.1	Ca_kabuli_chr03	35725416	TT	CC	1940175634
SNP_P1_47113_35725422	NC_021162.1	Ca_kabuli_chr03	35725422	GG	AA	1940175636
SNP_P1_47114_35725423	NC_021162.1	Ca_kabuli_chr03	35725423	TT	CC	1940175638
SNP_P1_47115_35725431	NC_021162.1	Ca_kabuli_chr03	35725431	AA	GG	1940175641
SNP_P1_47116_35725461	NC_021162.1	Ca_kabuli_chr03	35725461	AA	GG	1940175643
SNP_P1_47117_35725481	NC_021162.1	Ca_kabuli_chr03	35725481	GG	AA	1940175645
SNP_P1_47118_35725485	NC_021162.1	Ca_kabuli_chr03	35725485	GG	AA	1940175647
SNP_P1_47119_35725498	NC_021162.1	Ca_kabuli_chr03	35725498	CC	GG	1940175649
SNP_P1_47120_35725602	NC_021162.1	Ca_kabuli_chr03	35725602	CC	TT	1940175651
SNP_P1_47121_35725646	NC_021162.1	Ca_kabuli_chr03	35725646	GG	AA	1940175653
SNP_P1_47122_35725669	NC_021162.1	Ca_kabuli_chr03	35725669	CC	TT	1940175656
SNP_P1_47123_35725698	NC_021162.1	Ca_kabuli_chr03	35725698	AA	GG	1940175658
SNP_P1_47125_35725845	NC_021162.1	Ca_kabuli_chr03	35725845	AA	TT	1940175660
SNP_P1_47126_35725895	NC_021162.1	Ca_kabuli_chr03	35725895	GG	TT	1940175662
SNP_P1_47128_35725921	NC_021162.1	Ca_kabuli_chr03	35725921	GG	CC	1940175664
SNP_P1_47129_35725952	NC_021162.1	Ca_kabuli_chr03	35725952	GG	AA	1940175666
SNP_P1_47131_35726058	NC_021162.1	Ca_kabuli_chr03	35726058	TT	GG	1940175669
SNP_P1_47132_35726092	NC_021162.1	Ca_kabuli_chr03	35726092	TT	CC	1940175671
SNP_P1_47133_35726095	NC_021162.1	Ca_kabuli_chr03	35726095	TT	CC	1940175673
SNP_P1_47134_35726207	NC_021162.1	Ca_kabuli_chr03	35726207	TT	CC	1940175675
SNP_P1_47135_35726258	NC_021162.1	Ca_kabuli_chr03	35726258	AA	CC	1940175677
SNP_P1_47136_35726358	NC_021162.1	Ca_kabuli_chr03	35726358	GG	AA	1940175679
SNP_P1_47137_35726377	NC_021162.1	Ca_kabuli_chr03	35726377	AA	TT	1940175681
SNP_P1_47138_35726402	NC_021162.1	Ca_kabuli_chr03	35726402	AA	GG	1940175684
SNP_P1_47139_35726408	NC_021162.1	Ca_kabuli_chr03	35726408	TT	AA	1940175686
SNP_P1_47140_35726409	NC_021162.1	Ca_kabuli_chr03	35726409	CC	AA	1940175688

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47143_35726557	NC_021162.1	Ca_kabuli_chr03	35726557	GG	AA	1940175692
SNP_P1_47144_35726636	NC_021162.1	Ca_kabuli_chr03	35726636	TT	CC	1940175694
SNP_P1_47145_35726726	NC_021162.1	Ca_kabuli_chr03	35726726	GG	AA	1940175696
SNP_P1_47146_35726766	NC_021162.1	Ca_kabuli_chr03	35726766	GG	CC	1940175699
SNP_P1_47147_35726822	NC_021162.1	Ca_kabuli_chr03	35726822	TT	CC	1940175701
SNP_P1_47148_35727048	NC_021162.1	Ca_kabuli_chr03	35727048	CC	TT	1940175703
SNP_P1_47149_35727072	NC_021162.1	Ca_kabuli_chr03	35727072	CC	TT	1940175705
SNP_P1_47150_35727087	NC_021162.1	Ca_kabuli_chr03	35727087	AA	GG	1940175707
SNP_P1_47151_35727135	NC_021162.1	Ca_kabuli_chr03	35727135	AA	GG	1940175709
SNP_P1_47152_35727301	NC_021162.1	Ca_kabuli_chr03	35727301	AA	GG	1940175711
SNP_P1_47153_35727346	NC_021162.1	Ca_kabuli_chr03	35727346	CC	GG	1940175714
SNP_P1_47154_35727383	NC_021162.1	Ca_kabuli_chr03	35727383	CC	AA	1940175716
SNP_P1_47155_35727453	NC_021162.1	Ca_kabuli_chr03	35727453	CC	TT	1940175718
SNP_P1_47156_35727509	NC_021162.1	Ca_kabuli_chr03	35727509	TT	CC	1940175720
SNP_P1_47157_35727655	NC_021162.1	Ca_kabuli_chr03	35727655	GG	CC	1940175722
SNP_P1_47158_35727828	NC_021162.1	Ca_kabuli_chr03	35727828	CC	AA	1940175724
SNP_P1_47159_35727863	NC_021162.1	Ca_kabuli_chr03	35727863	TT	CC	1940175727
SNP_P1_47160_35727950	NC_021162.1	Ca_kabuli_chr03	35727950	CC	TT	1940175729
SNP_P1_47161_35728047	NC_021162.1	Ca_kabuli_chr03	35728047	TT	CC	1940175731
SNP_P1_47162_35728053	NC_021162.1	Ca_kabuli_chr03	35728053	AA	GG	1940175733
SNP_P1_47163_35728104	NC_021162.1	Ca_kabuli_chr03	35728104	CC	AA	1940175735
SNP_P1_47164_35728133	NC_021162.1	Ca_kabuli_chr03	35728133	CC	TT	1940175737
SNP_P1_47165_35728286	NC_021162.1	Ca_kabuli_chr03	35728286	TT	CC	1940175739
SNP_P1_47166_35728304	NC_021162.1	Ca_kabuli_chr03	35728304	TT	CC	1940175742
SNP_P1_47167_35728312	NC_021162.1	Ca_kabuli_chr03	35728312	GG	AA	1940175744
SNP_P1_47168_35728326	NC_021162.1	Ca_kabuli_chr03	35728326	GG	AA	1940175746
SNP_P1_47169_35728360	NC_021162.1	Ca_kabuli_chr03	35728360	GG	AA	1940175748
SNP_P1_47170_35728371	NC_021162.1	Ca_kabuli_chr03	35728371	GG	AA	1940175750
SNP_P1_47171_35728407	NC_021162.1	Ca_kabuli_chr03	35728407	GG	AA	1940175752
SNP_P1_47172_35728438	NC_021162.1	Ca_kabuli_chr03	35728438	TT	CC	1940175754
SNP_P1_47173_35728464	NC_021162.1	Ca_kabuli_chr03	35728464	AA	TT	1940175757
SNP_P1_47174_35728491	NC_021162.1	Ca_kabuli_chr03	35728491	CC	GG	1940175759
SNP_P1_47175_35728530	NC_021162.1	Ca_kabuli_chr03	35728530	GG	AA	1940175761
SNP_P1_47176_35728544	NC_021162.1	Ca_kabuli_chr03	35728544	GG	AA	1940175763
SNP_P1_47177_35728614	NC_021162.1	Ca_kabuli_chr03	35728614	AA	GG	1940175765
SNP_P1_47178_35728786	NC_021162.1	Ca_kabuli_chr03	35728786	GG	AA	1940175767
SNP_P1_47179_35728847	NC_021162.1	Ca_kabuli_chr03	35728847	AA	CC	1940175770
SNP_P1_47180_35728861	NC_021162.1	Ca_kabuli_chr03	35728861	GG	AA	1940175772
SNP_P1_47181_35728911	NC_021162.1	Ca_kabuli_chr03	35728911	GG	AA	1940175774
SNP_P1_47182_35728912	NC_021162.1	Ca_kabuli_chr03	35728912	TT	AA	1940175776
SNP_P1_47183_35729048	NC_021162.1	Ca_kabuli_chr03	35729048	AA	GG	1940175778

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47185_35729060	NC_021162.1	Ca_kabuli_chr03	35729060	GG	AA	1940175782
SNP_P1_47186_35729084	NC_021162.1	Ca_kabuli_chr03	35729084	CC	TT	1940175785
SNP_P1_47187_35729086	NC_021162.1	Ca_kabuli_chr03	35729086	TT	CC	1940175787
SNP_P1_47188_35729091	NC_021162.1	Ca_kabuli_chr03	35729091	AA	CC	1940175789
SNP_P1_47189_35729129	NC_021162.1	Ca_kabuli_chr03	35729129	GG	AA	1940175791
SNP_P1_47190_35729179	NC_021162.1	Ca_kabuli_chr03	35729179	TT	CC	1940175793
SNP_P1_47191_35729191	NC_021162.1	Ca_kabuli_chr03	35729191	TT	AA	1940175795
SNP_P1_47192_35729284	NC_021162.1	Ca_kabuli_chr03	35729284	CC	TT	1940175797
SNP_P1_47193_35729400	NC_021162.1	Ca_kabuli_chr03	35729400	TT	CC	1940175800
SNP_P1_47196_35729810	NC_021162.1	Ca_kabuli_chr03	35729810	TT	CC	1940175802
SNP_P1_47197_35729970	NC_021162.1	Ca_kabuli_chr03	35729970	TT	CC	1940175804
SNP_P1_47198_35729975	NC_021162.1	Ca_kabuli_chr03	35729975	AA	GG	1940175806
SNP_P1_47199_35730011	NC_021162.1	Ca_kabuli_chr03	35730011	AA	GG	1940175808
SNP_P1_47200_35730032	NC_021162.1	Ca_kabuli_chr03	35730032	CC	TT	1940175810
SNP_P1_47202_35730626	NC_021162.1	Ca_kabuli_chr03	35730626	CC	AA	1940175812
SNP_P1_47203_35730691	NC_021162.1	Ca_kabuli_chr03	35730691	TT	AA	1940175815
SNP_P1_47204_35731199	NC_021162.1	Ca_kabuli_chr03	35731199	CC	GG	1940175817
SNP_P1_47205_35731205	NC_021162.1	Ca_kabuli_chr03	35731205	TT	CC	1940175819
SNP_P1_47206_35731256	NC_021162.1	Ca_kabuli_chr03	35731256	CC	GG	1940175821
SNP_P1_47207_35731342	NC_021162.1	Ca_kabuli_chr03	35731342	AA	GG	1940175823
SNP_P1_47208_35731496	NC_021162.1	Ca_kabuli_chr03	35731496	TT	GG	1940175825
SNP_P1_47209_35731519	NC_021162.1	Ca_kabuli_chr03	35731519	GG	AA	1940175827
SNP_P1_47210_35732414	NC_021162.1	Ca_kabuli_chr03	35732414	AA	GG	1940175830
SNP_P1_47211_35732628	NC_021162.1	Ca_kabuli_chr03	35732628	TT	GG	1940175832
SNP_P1_47212_35732635	NC_021162.1	Ca_kabuli_chr03	35732635	AA	GG	1940175834
SNP_P1_47213_35732637	NC_021162.1	Ca_kabuli_chr03	35732637	TT	GG	1940175836
SNP_P1_47214_35732644	NC_021162.1	Ca_kabuli_chr03	35732644	CC	AA	1940175838
SNP_P1_47215_35732686	NC_021162.1	Ca_kabuli_chr03	35732686	GG	AA	1940175840
SNP_P1_47216_35732691	NC_021162.1	Ca_kabuli_chr03	35732691	AA	GG	1940175842
SNP_P1_47217_35732697	NC_021162.1	Ca_kabuli_chr03	35732697	GG	AA	1940175845
SNP_P1_47218_35732732	NC_021162.1	Ca_kabuli_chr03	35732732	GG	AA	1940175847
SNP_P1_47219_35732734	NC_021162.1	Ca_kabuli_chr03	35732734	TT	AA	1940175849
SNP_P1_47220_35732758	NC_021162.1	Ca_kabuli_chr03	35732758	CC	TT	1940175851
SNP_P1_47221_35732780	NC_021162.1	Ca_kabuli_chr03	35732780	CC	GG	1940175853
SNP_P1_47222_35732968	NC_021162.1	Ca_kabuli_chr03	35732968	AA	TT	1940175855
SNP_P1_47224_35733003	NC_021162.1	Ca_kabuli_chr03	35733003	TT	CC	1940175857
SNP_P1_47225_35733006	NC_021162.1	Ca_kabuli_chr03	35733006	CC	TT	1940175860
SNP_P1_47226_35733077	NC_021162.1	Ca_kabuli_chr03	35733077	GG	AA	1940175862
SNP_P1_47227_35733246	NC_021162.1	Ca_kabuli_chr03	35733246	AA	GG	1940175864
SNP_P1_47228_35733292	NC_021162.1	Ca_kabuli_chr03	35733292	CC	TT	1940175866
SNP_P1_47229_35733299	NC_021162.1	Ca_kabuli_chr03	35733299	AA	TT	1940175868

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47231_35733569	NC_021162.1	Ca_kabuli_chr03	35733569	TT	CC	1940175872
SNP_P1_47233_35733646	NC_021162.1	Ca_kabuli_chr03	35733646	AA	TT	1940175875
SNP_P1_47234_35733787	NC_021162.1	Ca_kabuli_chr03	35733787	GG	AA	1940175877
SNP_P1_47235_35733796	NC_021162.1	Ca_kabuli_chr03	35733796	GG	AA	1940175879
SNP_P1_47236_35733854	NC_021162.1	Ca_kabuli_chr03	35733854	TT	CC	1940175881
SNP_P1_47237_35734006	NC_021162.1	Ca_kabuli_chr03	35734006	GG	AA	1940175883
SNP_P1_47238_35734601	NC_021162.1	Ca_kabuli_chr03	35734601	CC	TT	1940175885
SNP_P1_47240_35734779	NC_021162.1	Ca_kabuli_chr03	35734779	AA	TT	1940175887
SNP_P1_47241_35734813	NC_021162.1	Ca_kabuli_chr03	35734813	GG	AA	1940175890
SNP_P1_47242_35734994	NC_021162.1	Ca_kabuli_chr03	35734994	CC	TT	1940175892
SNP_P1_47243_35735032	NC_021162.1	Ca_kabuli_chr03	35735032	CC	TT	1940175894
SNP_P1_47244_35735050	NC_021162.1	Ca_kabuli_chr03	35735050	AA	CC	1940175896
SNP_P1_47245_35735060	NC_021162.1	Ca_kabuli_chr03	35735060	AA	GG	1940175898
SNP_P1_47246_35735075	NC_021162.1	Ca_kabuli_chr03	35735075	TT	AA	1940175900
SNP_P1_47247_35735132	NC_021162.1	Ca_kabuli_chr03	35735132	AA	TT	1940175902
SNP_P1_47248_35735158	NC_021162.1	Ca_kabuli_chr03	35735158	GG	AA	1940175905
SNP_P1_47249_35735165	NC_021162.1	Ca_kabuli_chr03	35735165	TT	AA	1940175907
SNP_P1_47250_35735171	NC_021162.1	Ca_kabuli_chr03	35735171	AA	CC	1940175909
SNP_P1_47251_35735174	NC_021162.1	Ca_kabuli_chr03	35735174	AA	CC	1940175911
SNP_P1_47252_35735184	NC_021162.1	Ca_kabuli_chr03	35735184	GG	TT	1940175913
SNP_P1_47253_35735199	NC_021162.1	Ca_kabuli_chr03	35735199	AA	GG	1940175915
SNP_P1_47255_35735800	NC_021162.1	Ca_kabuli_chr03	35735800	TT	AA	1940175917
SNP_P1_47256_35736106	NC_021162.1	Ca_kabuli_chr03	35736106	AA	GG	1940175920
SNP_P1_47257_35736248	NC_021162.1	Ca_kabuli_chr03	35736248	GG	CC	1940175922
SNP_P1_47258_35736257	NC_021162.1	Ca_kabuli_chr03	35736257	TT	AA	1940175924
SNP_P1_47259_35736557	NC_021162.1	Ca_kabuli_chr03	35736557	GG	TT	1940175926
SNP_P1_47260_35736572	NC_021162.1	Ca_kabuli_chr03	35736572	TT	AA	1940175928
SNP_P1_47262_35737715	NC_021162.1	Ca_kabuli_chr03	35737715	AA	TT	1940175930
SNP_P1_47263_35737726	NC_021162.1	Ca_kabuli_chr03	35737726	TT	GG	1940175932
SNP_P1_47264_35739147	NC_021162.1	Ca_kabuli_chr03	35739147	AA	CC	1940175935
SNP_P1_47265_35739874	NC_021162.1	Ca_kabuli_chr03	35739874	TT	AA	1940175937
SNP_P1_47266_35739917	NC_021162.1	Ca_kabuli_chr03	35739917	CC	GG	1940175939
SNP_P1_47268_35740071	NC_021162.1	Ca_kabuli_chr03	35740071	TT	CC	1940175941
SNP_P1_47269_35740074	NC_021162.1	Ca_kabuli_chr03	35740074	CC	TT	1940175943
SNP_P1_47270_35740106	NC_021162.1	Ca_kabuli_chr03	35740106	AA	GG	1940175945
SNP_P1_47271_35740277	NC_021162.1	Ca_kabuli_chr03	35740277	TT	GG	1940175947
SNP_P1_47273_35740399	NC_021162.1	Ca_kabuli_chr03	35740399	TT	GG	1940175950
SNP_P1_47275_35741303	NC_021162.1	Ca_kabuli_chr03	35741303	AA	TT	1940175952
SNP_P1_47276_35741739	NC_021162.1	Ca_kabuli_chr03	35741739	GG	CC	1940175954
SNP_P1_47277_35741815	NC_021162.1	Ca_kabuli_chr03	35741815	CC	TT	1940175956
SNP_P1_47278_35742181	NC_021162.1	Ca_kabuli_chr03	35742181	AA	GG	1940175958

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47280_35742188	NC_021162.1	Ca_kabuli_chr03	35742188	CC	TT	1940175962
SNP_P1_47281_35742462	NC_021162.1	Ca_kabuli_chr03	35742462	GG	AA	1940175965
SNP_P1_47282_35742756	NC_021162.1	Ca_kabuli_chr03	35742756	AA	GG	1940175967
SNP_P1_47283_35742758	NC_021162.1	Ca_kabuli_chr03	35742758	TT	AA	1940175969
SNP_P1_47284_35742780	NC_021162.1	Ca_kabuli_chr03	35742780	AA	GG	1940175971
SNP_P1_47285_35742846	NC_021162.1	Ca_kabuli_chr03	35742846	AA	TT	1940175973
SNP_P1_47286_35742863	NC_021162.1	Ca_kabuli_chr03	35742863	GG	AA	1940175975
SNP_P1_47287_35743019	NC_021162.1	Ca_kabuli_chr03	35743019	TT	CC	1940175977
SNP_P1_47288_35743037	NC_021162.1	Ca_kabuli_chr03	35743037	AA	TT	1940175979
SNP_P1_47290_35743095	NC_021162.1	Ca_kabuli_chr03	35743095	AA	GG	1940175982
SNP_P1_47291_35743235	NC_021162.1	Ca_kabuli_chr03	35743235	CC	TT	1940175984
SNP_P1_47292_35743406	NC_021162.1	Ca_kabuli_chr03	35743406	CC	GG	1940175986
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SNP_P1_47294_35743991	NC_021162.1	Ca_kabuli_chr03	35743991	AA	GG	1940175990
SNP_P1_47295_35744006	NC_021162.1	Ca_kabuli_chr03	35744006	GG	AA	1940175992
SNP_P1_47296_35744014	NC_021162.1	Ca_kabuli_chr03	35744014	AA	CC	1940175994
SNP_P1_47298_35744093	NC_021162.1	Ca_kabuli_chr03	35744093	CC	TT	1940175997
SNP_P1_47299_35744102	NC_021162.1	Ca_kabuli_chr03	35744102	CC	TT	1940175999
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SNP_P1_47301_35744285	NC_021162.1	Ca_kabuli_chr03	35744285	GG	AA	1940176003
SNP_P1_47302_35744346	NC_021162.1	Ca_kabuli_chr03	35744346	TT	CC	1940176005
SNP_P1_47303_35744354	NC_021162.1	Ca_kabuli_chr03	35744354	GG	CC	1940176007
SNP_P1_47304_35744483	NC_021162.1	Ca_kabuli_chr03	35744483	GG	TT	1940176010
SNP_P1_47307_35745283	NC_021162.1	Ca_kabuli_chr03	35745283	TT	AA	1940176012
SNP_P1_47308_35745298	NC_021162.1	Ca_kabuli_chr03	35745298	GG	AA	1940176014
SNP_P1_47309_35745543	NC_021162.1	Ca_kabuli_chr03	35745543	CC	TT	1940176016
SNP_P1_47310_35745592	NC_021162.1	Ca_kabuli_chr03	35745592	AA	CC	1940176018
SNP_P1_47311_35745593	NC_021162.1	Ca_kabuli_chr03	35745593	CC	AA	1940176020
SNP_P1_47316_35746455	NC_021162.1	Ca_kabuli_chr03	35746455	GG	TT	1940176022
SNP_P1_47317_35746473	NC_021162.1	Ca_kabuli_chr03	35746473	GG	TT	1940176025
SNP_P1_47318_35746732	NC_021162.1	Ca_kabuli_chr03	35746732	AA	CC	1940176027
SNP_P1_47319_35746977	NC_021162.1	Ca_kabuli_chr03	35746977	CC	TT	1940176029
SNP_P1_47320_35747226	NC_021162.1	Ca_kabuli_chr03	35747226	CC	TT	1940176031
SNP_P1_47321_35747233	NC_021162.1	Ca_kabuli_chr03	35747233	AA	GG	1940176033
SNP_P1_47322_35747996	NC_021162.1	Ca_kabuli_chr03	35747996	AA	GG	1940176035
SNP_P1_47323_35748233	NC_021162.1	Ca_kabuli_chr03	35748233	AA	CC	1940176037
SNP_P1_47324_35751032	NC_021162.1	Ca_kabuli_chr03	35751032	TT	CC	1940176040
SNP_P1_47325_35753201	NC_021162.1	Ca_kabuli_chr03	35753201	AA	CC	1940176042
SNP_P1_47326_35756257	NC_021162.1	Ca_kabuli_chr03	35756257	TT	CC	1940176044
SNP_P1_47327_35756765	NC_021162.1	Ca_kabuli_chr03	35756765	CC	TT	1940176046
SNP_P1_47328_35757336	NC_021162.1	Ca_kabuli_chr03	35757336	CC	TT	1940176048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47330_35758212	NC_021162.1	Ca_kabuli_chr03	35758212	AA	TT	1940176052
SNP_P1_47332_35762736	NC_021162.1	Ca_kabuli_chr03	35762736	AA	CC	1940176055
SNP_P1_47334_35763747	NC_021162.1	Ca_kabuli_chr03	35763747	AA	GG	1940176057
SNP_P1_47335_35764954	NC_021162.1	Ca_kabuli_chr03	35764954	AA	GG	1940176059
SNP_P1_47336_35765231	NC_021162.1	Ca_kabuli_chr03	35765231	AA	TT	1940176061
SNP_P1_47337_35765251	NC_021162.1	Ca_kabuli_chr03	35765251	CC	TT	1940176063
SNP_P1_47338_35767347	NC_021162.1	Ca_kabuli_chr03	35767347	AA	GG	1940176065
SNP_P1_47339_35767348	NC_021162.1	Ca_kabuli_chr03	35767348	AA	GG	1940176068
SNP_P1_47340_35767351	NC_021162.1	Ca_kabuli_chr03	35767351	AA	GG	1940176070
SNP_P1_47342_35767377	NC_021162.1	Ca_kabuli_chr03	35767377	TT	AA	1940176072
SNP_P1_47343_35767412	NC_021162.1	Ca_kabuli_chr03	35767412	CC	AA	1940176074
SNP_P1_47344_35767441	NC_021162.1	Ca_kabuli_chr03	35767441	AA	GG	1940176076
SNP_P1_47345_35767634	NC_021162.1	Ca_kabuli_chr03	35767634	AA	GG	1940176078
SNP_P1_47346_35767717	NC_021162.1	Ca_kabuli_chr03	35767717	GG	AA	1940176080
SNP_P1_47347_35767749	NC_021162.1	Ca_kabuli_chr03	35767749	TT	CC	1940176082
SNP_P1_47349_35767852	NC_021162.1	Ca_kabuli_chr03	35767852	AA	GG	1940176085
SNP_P1_47350_35767854	NC_021162.1	Ca_kabuli_chr03	35767854	AA	GG	1940176087
SNP_P1_47351_35767857	NC_021162.1	Ca_kabuli_chr03	35767857	TT	CC	1940176089
SNP_P1_47352_35767858	NC_021162.1	Ca_kabuli_chr03	35767858	AA	GG	1940176091
SNP_P1_47353_35767864	NC_021162.1	Ca_kabuli_chr03	35767864	GG	AA	1940176093
SNP_P1_47354_35768040	NC_021162.1	Ca_kabuli_chr03	35768040	TT	CC	1940176095
SNP_P1_47355_35768566	NC_021162.1	Ca_kabuli_chr03	35768566	AA	CC	1940176097
SNP_P1_47357_35768801	NC_021162.1	Ca_kabuli_chr03	35768801	CC	TT	1940176100
SNP_P1_47359_35768947	NC_021162.1	Ca_kabuli_chr03	35768947	TT	CC	1940176102
SNP_P1_47361_35771096	NC_021162.1	Ca_kabuli_chr03	35771096	GG	AA	1940176104
SNP_P1_47362_35771117	NC_021162.1	Ca_kabuli_chr03	35771117	GG	CC	1940176106
SNP_P1_47364_35771780	NC_021162.1	Ca_kabuli_chr03	35771780	AA	TT	1940176108
SNP_P1_47366_35772161	NC_021162.1	Ca_kabuli_chr03	35772161	GG	AA	1940176110
SNP_P1_47367_35772405	NC_021162.1	Ca_kabuli_chr03	35772405	CC	TT	1940176113
SNP_P1_47369_35772614	NC_021162.1	Ca_kabuli_chr03	35772614	GG	TT	1940176115
SNP_P1_47371_35772767	NC_021162.1	Ca_kabuli_chr03	35772767	CC	GG	1940176117
SNP_P1_47372_35772780	NC_021162.1	Ca_kabuli_chr03	35772780	AA	GG	1940176119
SNP_P1_47373_35772795	NC_021162.1	Ca_kabuli_chr03	35772795	AA	GG	1940176121
SNP_P1_47374_35772804	NC_021162.1	Ca_kabuli_chr03	35772804	AA	GG	1940176123
SNP_P1_47375_35772813	NC_021162.1	Ca_kabuli_chr03	35772813	CC	TT	1940176125
SNP_P1_47376_35772820	NC_021162.1	Ca_kabuli_chr03	35772820	AA	CC	1940176128
SNP_P1_47377_35772831	NC_021162.1	Ca_kabuli_chr03	35772831	TT	AA	1940176130
SNP_P1_47378_35772846	NC_021162.1	Ca_kabuli_chr03	35772846	AA	TT	1940176132
SNP_P1_47379_35772847	NC_021162.1	Ca_kabuli_chr03	35772847	CC	TT	1940176134
SNP_P1_47380_35772880	NC_021162.1	Ca_kabuli_chr03	35772880	GG	AA	1940176136
SNP_P1_47381_35772926	NC_021162.1	Ca_kabuli_chr03	35772926	AA	TT	1940176138

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47384_35773029	NC_021162.1	Ca_kabuli_chr03	35773029	AA	GG	1940176145
SNP_P1_47385_35773030	NC_021162.1	Ca_kabuli_chr03	35773030	TT	CC	1940176147
SNP_P1_47386_35773184	NC_021162.1	Ca_kabuli_chr03	35773184	CC	AA	1940176149
SNP_P1_47387_35774235	NC_021162.1	Ca_kabuli_chr03	35774235	CC	GG	1940176151
SNP_P1_47388_35774237	NC_021162.1	Ca_kabuli_chr03	35774237	TT	CC	1940176153
SNP_P1_47389_35774374	NC_021162.1	Ca_kabuli_chr03	35774374	GG	AA	1940176155
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SNP_P1_47391_35774515	NC_021162.1	Ca_kabuli_chr03	35774515	AA	GG	1940176160
SNP_P1_47392_35774551	NC_021162.1	Ca_kabuli_chr03	35774551	CC	AA	1940176162
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SNP_P1_47396_35776948	NC_021162.1	Ca_kabuli_chr03	35776948	AA	GG	1940176166
SNP_P1_47397_35777273	NC_021162.1	Ca_kabuli_chr03	35777273	AA	GG	1940176168
SNP_P1_47399_35779173	NC_021162.1	Ca_kabuli_chr03	35779173	TT	CC	1940176170
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SNP_P1_47405_35781921	NC_021162.1	Ca_kabuli_chr03	35781921	GG	AA	1940176179
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SNP_P1_47407_35783245	NC_021162.1	Ca_kabuli_chr03	35783245	AA	CC	1940176183
SNP_P1_47410_35783815	NC_021162.1	Ca_kabuli_chr03	35783815	GG	CC	1940176185
SNP_P1_47411_35784669	NC_021162.1	Ca_kabuli_chr03	35784669	AA	GG	1940176188
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SNP_P1_47422_35788365	NC_021162.1	Ca_kabuli_chr03	35788365	AA	GG	1940176203
SNP_P1_47423_35788571	NC_021162.1	Ca_kabuli_chr03	35788571	AA	GG	1940176205
SNP_P1_47424_35788651	NC_021162.1	Ca_kabuli_chr03	35788651	TT	CC	1940176207
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SNP_P1_47426_35788710	NC_021162.1	Ca_kabuli_chr03	35788710	AA	TT	1940176211
SNP_P1_47427_35788908	NC_021162.1	Ca_kabuli_chr03	35788908	AA	TT	1940176213
SNP_P1_47428_35788923	NC_021162.1	Ca_kabuli_chr03	35788923	CC	TT	1940176215
SNP_P1_47429_35788931	NC_021162.1	Ca_kabuli_chr03	35788931	GG	AA	1940176218
SNP_P1_47430_35788933	NC_021162.1	Ca_kabuli_chr03	35788933	GG	AA	1940176220
SNP_P1_47431_35788935	NC_021162.1	Ca_kabuli_chr03	35788935	CC	TT	1940176222
SNP_P1_47432_35788993	NC_021162.1	Ca_kabuli_chr03	35788993	AA	TT	1940176224
SNP_P1_47433_35789040	NC_021162.1	Ca_kabuli_chr03	35789040	TT	CC	1940176226
SNP_P1_47434_35789323	NC_021162.1	Ca_kabuli_chr03	35789323	TT	CC	1940176228

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47437_35789638	NC_021162.1	Ca_kabuli_chr03	35789638	TT	CC	1940176235
SNP_P1_47439_35789992	NC_021162.1	Ca_kabuli_chr03	35789992	AA	GG	1940176237
SNP_P1_47440_35789997	NC_021162.1	Ca_kabuli_chr03	35789997	CC	TT	1940176239
SNP_P1_47441_35790015	NC_021162.1	Ca_kabuli_chr03	35790015	AA	GG	1940176241
SNP_P1_47442_35790023	NC_021162.1	Ca_kabuli_chr03	35790023	CC	TT	1940176243
SNP_P1_47443_35790048	NC_021162.1	Ca_kabuli_chr03	35790048	GG	TT	1940176246
SNP_P1_47444_35790393	NC_021162.1	Ca_kabuli_chr03	35790393	CC	AA	1940176248
SNP_P1_47445_35790420	NC_021162.1	Ca_kabuli_chr03	35790420	AA	GG	1940176250
SNP_P1_47446_35790808	NC_021162.1	Ca_kabuli_chr03	35790808	TT	AA	1940176252
SNP_P1_47448_35791075	NC_021162.1	Ca_kabuli_chr03	35791075	AA	GG	1940176254
SNP_P1_47449_35791149	NC_021162.1	Ca_kabuli_chr03	35791149	GG	TT	1940176256
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SNP_P1_47451_35792916	NC_021162.1	Ca_kabuli_chr03	35792916	TT	CC	1940176261
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SNP_P1_47455_35793174	NC_021162.1	Ca_kabuli_chr03	35793174	GG	TT	1940176269
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SNP_P1_47459_35795244	NC_021162.1	Ca_kabuli_chr03	35795244	CC	AA	1940176276
SNP_P1_47460_35795289	NC_021162.1	Ca_kabuli_chr03	35795289	GG	AA	1940176278
SNP_P1_47463_35797524	NC_021162.1	Ca_kabuli_chr03	35797524	CC	TT	1940176280
SNP_P1_47464_35797564	NC_021162.1	Ca_kabuli_chr03	35797564	TT	CC	1940176282
SNP_P1_47465_35797583	NC_021162.1	Ca_kabuli_chr03	35797583	GG	AA	1940176284
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SNP_P1_47467_35799636	NC_021162.1	Ca_kabuli_chr03	35799636	CC	TT	1940176288
SNP_P1_47470_35800297	NC_021162.1	Ca_kabuli_chr03	35800297	GG	AA	1940176291
SNP_P1_47471_35800303	NC_021162.1	Ca_kabuli_chr03	35800303	TT	CC	1940176293
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SNP_P1_47475_35801080	NC_021162.1	Ca_kabuli_chr03	35801080	AA	GG	1940176301
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SNP_P1_47483_35801780	NC_021162.1	Ca_kabuli_chr03	35801780	CC	TT	1940176314
SNP_P1_47484_35802049	NC_021162.1	Ca_kabuli_chr03	35802049	CC	TT	1940176316
SNP_P1_47485_35802143	NC_021162.1	Ca_kabuli_chr03	35802143	GG	AA	1940176318

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47489_35803015	NC_021162.1	Ca_kabuli_chr03	35803015	AA	TT	1940176325
SNP_P1_47490_35803112	NC_021162.1	Ca_kabuli_chr03	35803112	TT	GG	1940176327
SNP_P1_47491_35803535	NC_021162.1	Ca_kabuli_chr03	35803535	GG	AA	1940176329
SNP_P1_47492_35803536	NC_021162.1	Ca_kabuli_chr03	35803536	TT	GG	1940176331
SNP_P1_47493_35803857	NC_021162.1	Ca_kabuli_chr03	35803857	AA	TT	1940176333
SNP_P1_47495_35803958	NC_021162.1	Ca_kabuli_chr03	35803958	TT	GG	1940176336
SNP_P1_47496_35804035	NC_021162.1	Ca_kabuli_chr03	35804035	TT	AA	1940176338
SNP_P1_47497_35804115	NC_021162.1	Ca_kabuli_chr03	35804115	AA	GG	1940176340
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SNP_P1_47502_35810880	NC_021162.1	Ca_kabuli_chr03	35810880	CC	AA	1940176348
SNP_P1_47503_35811074	NC_021162.1	Ca_kabuli_chr03	35811074	AA	GG	1940176350
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SNP_P1_47507_35811462	NC_021162.1	Ca_kabuli_chr03	35811462	CC	TT	1940176357
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SNP_P1_47512_35811705	NC_021162.1	Ca_kabuli_chr03	35811705	GG	TT	1940176365
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SNP_P1_47514_35812472	NC_021162.1	Ca_kabuli_chr03	35812472	AA	GG	1940176370
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SNP_P1_47519_35812657	NC_021162.1	Ca_kabuli_chr03	35812657	CC	TT	1940176381
SNP_P1_47520_35812681	NC_021162.1	Ca_kabuli_chr03	35812681	GG	AA	1940176383
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SNP_P1_47527_35813119	NC_021162.1	Ca_kabuli_chr03	35813119	AA	TT	1940176398
SNP_P1_47528_35813164	NC_021162.1	Ca_kabuli_chr03	35813164	AA	GG	1940176400
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SNP_P1_47530_35814831	NC_021162.1	Ca_kabuli_chr03	35814831	CC	AA	1940176404
SNP_P1_47531_35815065	NC_021162.1	Ca_kabuli_chr03	35815065	GG	AA	1940176406
SNP_P1_47533_35815620	NC_021162.1	Ca_kabuli_chr03	35815620	TT	AA	1940176408

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47536_35817623	NC_021162.1	Ca_kabuli_chr03	35817623	GG	TT	1940176415
SNP_P1_47537_35817624	NC_021162.1	Ca_kabuli_chr03	35817624	GG	AA	1940176417
SNP_P1_47538_35817658	NC_021162.1	Ca_kabuli_chr03	35817658	GG	TT	1940176419
SNP_P1_47539_35817704	NC_021162.1	Ca_kabuli_chr03	35817704	GG	AA	1940176421
SNP_P1_47540_35817742	NC_021162.1	Ca_kabuli_chr03	35817742	GG	AA	1940176423
SNP_P1_47541_35817747	NC_021162.1	Ca_kabuli_chr03	35817747	CC	TT	1940176426
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SNP_P1_47545_35820046	NC_021162.1	Ca_kabuli_chr03	35820046	TT	CC	1940176432
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SNP_P1_47551_35824440	NC_021162.1	Ca_kabuli_chr03	35824440	AA	GG	1940176443
SNP_P1_47552_35827065	NC_021162.1	Ca_kabuli_chr03	35827065	TT	AA	1940176445
SNP_P1_47553_35827722	NC_021162.1	Ca_kabuli_chr03	35827722	GG	AA	1940176447
SNP_P1_47554_35828686	NC_021162.1	Ca_kabuli_chr03	35828686	AA	GG	1940176449
SNP_P1_47556_35828993	NC_021162.1	Ca_kabuli_chr03	35828993	CC	TT	1940176451
SNP_P1_47557_35829505	NC_021162.1	Ca_kabuli_chr03	35829505	GG	AA	1940176454
SNP_P1_47558_35829509	NC_021162.1	Ca_kabuli_chr03	35829509	GG	CC	1940176456
SNP_P1_47559_35832146	NC_021162.1	Ca_kabuli_chr03	35832146	AA	GG	1940176458
SNP_P1_47560_35832185	NC_021162.1	Ca_kabuli_chr03	35832185	TT	AA	1940176460
SNP_P1_47561_35832196	NC_021162.1	Ca_kabuli_chr03	35832196	CC	AA	1940176462
SNP_P1_47563_35833520	NC_021162.1	Ca_kabuli_chr03	35833520	AA	GG	1940176464
SNP_P1_47564_35835987	NC_021162.1	Ca_kabuli_chr03	35835987	TT	CC	1940176466
SNP_P1_47565_35835998	NC_021162.1	Ca_kabuli_chr03	35835998	CC	TT	1940176469
SNP_P1_47566_35836284	NC_021162.1	Ca_kabuli_chr03	35836284	TT	GG	1940176471
SNP_P1_47567_35836339	NC_021162.1	Ca_kabuli_chr03	35836339	GG	AA	1940176473
SNP_P1_47568_35836889	NC_021162.1	Ca_kabuli_chr03	35836889	TT	CC	1940176475
SNP_P1_47569_35836954	NC_021162.1	Ca_kabuli_chr03	35836954	AA	GG	1940176477
SNP_P1_47570_35837088	NC_021162.1	Ca_kabuli_chr03	35837088	TT	AA	1940176479
SNP_P1_47571_35837099	NC_021162.1	Ca_kabuli_chr03	35837099	TT	CC	1940176482
SNP_P1_47572_35837466	NC_021162.1	Ca_kabuli_chr03	35837466	GG	AA	1940176484
SNP_P1_47573_35837847	NC_021162.1	Ca_kabuli_chr03	35837847	AA	TT	1940176486
SNP_P1_47574_35839332	NC_021162.1	Ca_kabuli_chr03	35839332	TT	AA	1940176488
SNP_P1_47575_35839702	NC_021162.1	Ca_kabuli_chr03	35839702	AA	GG	1940176490
SNP_P1_47577_35840025	NC_021162.1	Ca_kabuli_chr03	35840025	TT	AA	1940176492
SNP_P1_47578_35841677	NC_021162.1	Ca_kabuli_chr03	35841677	AA	TT	1940176494
SNP_P1_47579_35841707	NC_021162.1	Ca_kabuli_chr03	35841707	CC	TT	1940176497
SNP_P1_47580_35842485	NC_021162.1	Ca_kabuli_chr03	35842485	TT	GG	1940176499

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47582_35842830	NC_021162.1	Ca_kabuli_chr03	35842830	AA	GG	1940176503
SNP_P1_47583_35843777	NC_021162.1	Ca_kabuli_chr03	35843777	AA	CC	1940176505
SNP_P1_47584_35844468	NC_021162.1	Ca_kabuli_chr03	35844468	CC	TT	1940176507
SNP_P1_47585_35844510	NC_021162.1	Ca_kabuli_chr03	35844510	AA	TT	1940176509
SNP_P1_47586_35844515	NC_021162.1	Ca_kabuli_chr03	35844515	AA	TT	1940176512
SNP_P1_47587_35844819	NC_021162.1	Ca_kabuli_chr03	35844819	AA	GG	1940176514
SNP_P1_47588_35846182	NC_021162.1	Ca_kabuli_chr03	35846182	GG	TT	1940176516
SNP_P1_47589_35846203	NC_021162.1	Ca_kabuli_chr03	35846203	TT	GG	1940176518
SNP_P1_47590_35846233	NC_021162.1	Ca_kabuli_chr03	35846233	TT	CC	1940176520
SNP_P1_47591_35847166	NC_021162.1	Ca_kabuli_chr03	35847166	TT	GG	1940176522
SNP_P1_47592_35847625	NC_021162.1	Ca_kabuli_chr03	35847625	AA	GG	1940176524
SNP_P1_47593_35848286	NC_021162.1	Ca_kabuli_chr03	35848286	GG	AA	1940176527
SNP_P1_47595_35848340	NC_021162.1	Ca_kabuli_chr03	35848340	TT	GG	1940176529
SNP_P1_47596_35848643	NC_021162.1	Ca_kabuli_chr03	35848643	AA	GG	1940176531
SNP_P1_47597_35849013	NC_021162.1	Ca_kabuli_chr03	35849013	GG	AA	1940176533
SNP_P1_47598_35849033	NC_021162.1	Ca_kabuli_chr03	35849033	GG	AA	1940176535
SNP_P1_47600_35849131	NC_021162.1	Ca_kabuli_chr03	35849131	AA	TT	1940176537
SNP_P1_47601_35849227	NC_021162.1	Ca_kabuli_chr03	35849227	TT	CC	1940176539
SNP_P1_47602_35849257	NC_021162.1	Ca_kabuli_chr03	35849257	AA	TT	1940176542
SNP_P1_47603_35849449	NC_021162.1	Ca_kabuli_chr03	35849449	AA	CC	1940176544
SNP_P1_47604_35849812	NC_021162.1	Ca_kabuli_chr03	35849812	AA	GG	1940176546
SNP_P1_47605_35849837	NC_021162.1	Ca_kabuli_chr03	35849837	TT	CC	1940176548
SNP_P1_47606_35850568	NC_021162.1	Ca_kabuli_chr03	35850568	GG	TT	1940176550
SNP_P1_47607_35850854	NC_021162.1	Ca_kabuli_chr03	35850854	TT	CC	1940176552
SNP_P1_47608_35851285	NC_021162.1	Ca_kabuli_chr03	35851285	AA	GG	1940176554
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SNP_P1_47612_35852851	NC_021162.1	Ca_kabuli_chr03	35852851	AA	GG	1940176559
SNP_P1_47613_35854149	NC_021162.1	Ca_kabuli_chr03	35854149	CC	GG	1940176561
SNP_P1_47614_35855303	NC_021162.1	Ca_kabuli_chr03	35855303	GG	AA	1940176563
SNP_P1_47615_35855619	NC_021162.1	Ca_kabuli_chr03	35855619	CC	TT	1940176565
SNP_P1_47617_35857045	NC_021162.1	Ca_kabuli_chr03	35857045	TT	AA	1940176567
SNP_P1_47618_35859523	NC_021162.1	Ca_kabuli_chr03	35859523	AA	TT	1940176569
SNP_P1_47619_35859586	NC_021162.1	Ca_kabuli_chr03	35859586	TT	GG	1940176572
SNP_P1_47622_35860242	NC_021162.1	Ca_kabuli_chr03	35860242	TT	AA	1940176574
SNP_P1_47623_35860334	NC_021162.1	Ca_kabuli_chr03	35860334	GG	AA	1940176576
SNP_P1_47624_35861252	NC_021162.1	Ca_kabuli_chr03	35861252	GG	AA	1940176578
SNP_P1_47626_35861660	NC_021162.1	Ca_kabuli_chr03	35861660	TT	CC	1940176580
SNP_P1_47627_35861706	NC_021162.1	Ca_kabuli_chr03	35861706	CC	GG	1940176582
SNP_P1_47628_35861707	NC_021162.1	Ca_kabuli_chr03	35861707	GG	AA	1940176585
SNP_P1_47629_35861835	NC_021162.1	Ca_kabuli_chr03	35861835	GG	AA	1940176587
SNP_P1_47632_35862103	NC_021162.1	Ca_kabuli_chr03	35862103	CC	TT	1940176589

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47635_35862292	NC_021162.1	Ca_kabuli_chr03	35862292	TT	CC	1940176593
SNP_P1_47636_35862317	NC_021162.1	Ca_kabuli_chr03	35862317	TT	CC	1940176595
SNP_P1_47637_35862342	NC_021162.1	Ca_kabuli_chr03	35862342	TT	CC	1940176597
SNP_P1_47639_35863019	NC_021162.1	Ca_kabuli_chr03	35863019	CC	TT	1940176599
SNP_P1_47640_35863037	NC_021162.1	Ca_kabuli_chr03	35863037	AA	CC	1940176602
SNP_P1_47641_35866192	NC_021162.1	Ca_kabuli_chr03	35866192	TT	AA	1940176604
SNP_P1_47643_35867749	NC_021162.1	Ca_kabuli_chr03	35867749	CC	GG	1940176606
SNP_P1_47644_35868404	NC_021162.1	Ca_kabuli_chr03	35868404	AA	GG	1940176608
SNP_P1_47645_35868468	NC_021162.1	Ca_kabuli_chr03	35868468	TT	CC	1940176610
SNP_P1_47646_35868486	NC_021162.1	Ca_kabuli_chr03	35868486	AA	GG	1940176612
SNP_P1_47647_35868787	NC_021162.1	Ca_kabuli_chr03	35868787	TT	GG	1940176614
SNP_P1_47648_35869915	NC_021162.1	Ca_kabuli_chr03	35869915	TT	CC	1940176617
SNP_P1_47649_35869928	NC_021162.1	Ca_kabuli_chr03	35869928	TT	AA	1940176619
SNP_P1_47650_35870877	NC_021162.1	Ca_kabuli_chr03	35870877	TT	CC	1940176621
SNP_P1_47651_35873079	NC_021162.1	Ca_kabuli_chr03	35873079	CC	GG	1940176623
SNP_P1_47652_35873086	NC_021162.1	Ca_kabuli_chr03	35873086	CC	TT	1940176625
SNP_P1_47654_35873212	NC_021162.1	Ca_kabuli_chr03	35873212	AA	GG	1940176627
SNP_P1_47655_35873237	NC_021162.1	Ca_kabuli_chr03	35873237	TT	CC	1940176629
SNP_P1_47656_35873349	NC_021162.1	Ca_kabuli_chr03	35873349	TT	CC	1940176632
SNP_P1_47657_35876656	NC_021162.1	Ca_kabuli_chr03	35876656	CC	GG	1940176634
SNP_P1_47658_35876922	NC_021162.1	Ca_kabuli_chr03	35876922	GG	TT	1940176636
SNP_P1_47659_35877030	NC_021162.1	Ca_kabuli_chr03	35877030	GG	AA	1940176638
SNP_P1_47660_35878035	NC_021162.1	Ca_kabuli_chr03	35878035	GG	CC	1940176640
SNP_P1_47661_35879029	NC_021162.1	Ca_kabuli_chr03	35879029	CC	TT	1940176642
SNP_P1_47663_35879164	NC_021162.1	Ca_kabuli_chr03	35879164	GG	TT	1940176645
SNP_P1_47665_35879430	NC_021162.1	Ca_kabuli_chr03	35879430	AA	TT	1940176647
SNP_P1_47666_35879729	NC_021162.1	Ca_kabuli_chr03	35879729	TT	CC	1940176649
SNP_P1_47667_35879734	NC_021162.1	Ca_kabuli_chr03	35879734	CC	TT	1940176651
SNP_P1_47668_35880776	NC_021162.1	Ca_kabuli_chr03	35880776	CC	AA	1940176653
SNP_P1_47669_35883049	NC_021162.1	Ca_kabuli_chr03	35883049	CC	TT	1940176655
SNP_P1_47670_35883131	NC_021162.1	Ca_kabuli_chr03	35883131	GG	CC	1940176657
SNP_P1_47671_35883408	NC_021162.1	Ca_kabuli_chr03	35883408	GG	TT	1940176660
SNP_P1_47672_35883520	NC_021162.1	Ca_kabuli_chr03	35883520	AA	GG	1940176662
SNP_P1_47673_35883639	NC_021162.1	Ca_kabuli_chr03	35883639	GG	TT	1940176664
SNP_P1_47674_35883649	NC_021162.1	Ca_kabuli_chr03	35883649	TT	CC	1940176666
SNP_P1_47675_35884566	NC_021162.1	Ca_kabuli_chr03	35884566	TT	CC	1940176668
SNP_P1_47677_35885255	NC_021162.1	Ca_kabuli_chr03	35885255	AA	TT	1940176670
SNP_P1_47678_35885361	NC_021162.1	Ca_kabuli_chr03	35885361	AA	TT	1940176672
SNP_P1_47679_35885466	NC_021162.1	Ca_kabuli_chr03	35885466	AA	CC	1940176675
SNP_P1_47683_35889605	NC_021162.1	Ca_kabuli_chr03	35889605	TT	CC	1940176677
SNP_P1_47684_35891292	NC_021162.1	Ca_kabuli_chr03	35891292	GG	AA	1940176679

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47688_35894240	NC_021162.1	Ca_kabuli_chr03	35894240	CC	TT	1940176685
SNP_P1_47689_35894438	NC_021162.1	Ca_kabuli_chr03	35894438	TT	AA	1940176687
SNP_P1_47691_35894603	NC_021162.1	Ca_kabuli_chr03	35894603	CC	TT	1940176690
SNP_P1_47692_35894670	NC_021162.1	Ca_kabuli_chr03	35894670	AA	TT	1940176692
SNP_P1_47693_35894709	NC_021162.1	Ca_kabuli_chr03	35894709	CC	TT	1940176694
SNP_P1_47694_35894725	NC_021162.1	Ca_kabuli_chr03	35894725	TT	GG	1940176696
SNP_P1_47695_35894727	NC_021162.1	Ca_kabuli_chr03	35894727	TT	CC	1940176698
SNP_P1_47696_35894746	NC_021162.1	Ca_kabuli_chr03	35894746	TT	AA	1940176700
SNP_P1_47697_35894781	NC_021162.1	Ca_kabuli_chr03	35894781	AA	GG	1940176702
SNP_P1_47698_35894785	NC_021162.1	Ca_kabuli_chr03	35894785	TT	CC	1940176705
SNP_P1_47699_35894791	NC_021162.1	Ca_kabuli_chr03	35894791	CC	TT	1940176707
SNP_P1_47700_35894793	NC_021162.1	Ca_kabuli_chr03	35894793	GG	AA	1940176709
SNP_P1_47701_35894833	NC_021162.1	Ca_kabuli_chr03	35894833	AA	GG	1940176711
SNP_P1_47702_35894875	NC_021162.1	Ca_kabuli_chr03	35894875	AA	TT	1940176713
SNP_P1_47703_35894896	NC_021162.1	Ca_kabuli_chr03	35894896	CC	AA	1940176715
SNP_P1_47704_35894959	NC_021162.1	Ca_kabuli_chr03	35894959	AA	GG	1940176717
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SNP_P1_47707_35895127	NC_021162.1	Ca_kabuli_chr03	35895127	AA	CC	1940176722
SNP_P1_47708_35895132	NC_021162.1	Ca_kabuli_chr03	35895132	AA	GG	1940176724
SNP_P1_47709_35895133	NC_021162.1	Ca_kabuli_chr03	35895133	AA	GG	1940176726
SNP_P1_47711_35895364	NC_021162.1	Ca_kabuli_chr03	35895364	AA	TT	1940176728
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SNP_P1_47713_35895386	NC_021162.1	Ca_kabuli_chr03	35895386	CC	GG	1940176732
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SNP_P1_47715_35895415	NC_021162.1	Ca_kabuli_chr03	35895415	TT	CC	1940176737
SNP_P1_47716_35896054	NC_021162.1	Ca_kabuli_chr03	35896054	AA	GG	1940176739
SNP_P1_47718_35897752	NC_021162.1	Ca_kabuli_chr03	35897752	CC	AA	1940176741
SNP_P1_47719_35898581	NC_021162.1	Ca_kabuli_chr03	35898581	CC	TT	1940176743
SNP_P1_47720_35898591	NC_021162.1	Ca_kabuli_chr03	35898591	AA	GG	1940176745
SNP_P1_47721_35898598	NC_021162.1	Ca_kabuli_chr03	35898598	AA	GG	1940176747
SNP_P1_47722_35898746	NC_021162.1	Ca_kabuli_chr03	35898746	GG	TT	1940176750
SNP_P1_47723_35898948	NC_021162.1	Ca_kabuli_chr03	35898948	TT	CC	1940176752
SNP_P1_47724_35898980	NC_021162.1	Ca_kabuli_chr03	35898980	GG	AA	1940176754
SNP_P1_47725_35899524	NC_021162.1	Ca_kabuli_chr03	35899524	GG	AA	1940176756
SNP_P1_47726_35900234	NC_021162.1	Ca_kabuli_chr03	35900234	AA	GG	1940176758
SNP_P1_47727_35900238	NC_021162.1	Ca_kabuli_chr03	35900238	GG	AA	1940176760
SNP_P1_47729_35901707	NC_021162.1	Ca_kabuli_chr03	35901707	AA	CC	1940176762
SNP_P1_47732_35902635	NC_021162.1	Ca_kabuli_chr03	35902635	GG	AA	1940176765
SNP_P1_47733_35902641	NC_021162.1	Ca_kabuli_chr03	35902641	GG	AA	1940176767
SNP_P1_47734_35902656	NC_021162.1	Ca_kabuli_chr03	35902656	CC	TT	1940176769

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47736_35903559	NC_021162.1	Ca_kabuli_chr03	35903559	GG	TT	1940176773
SNP_P1_47737_35903577	NC_021162.1	Ca_kabuli_chr03	35903577	AA	GG	1940176775
SNP_P1_47738_35903585	NC_021162.1	Ca_kabuli_chr03	35903585	GG	CC	1940176777
SNP_P1_47739_35903593	NC_021162.1	Ca_kabuli_chr03	35903593	TT	CC	1940176780
SNP_P1_47740_35903596	NC_021162.1	Ca_kabuli_chr03	35903596	TT	CC	1940176782
SNP_P1_47741_35903625	NC_021162.1	Ca_kabuli_chr03	35903625	CC	AA	1940176784
SNP_P1_47742_35904121	NC_021162.1	Ca_kabuli_chr03	35904121	GG	AA	1940176786
SNP_P1_47743_35904129	NC_021162.1	Ca_kabuli_chr03	35904129	CC	AA	1940176788
SNP_P1_47744_35904776	NC_021162.1	Ca_kabuli_chr03	35904776	AA	GG	1940176790
SNP_P1_47745_35904781	NC_021162.1	Ca_kabuli_chr03	35904781	GG	CC	1940176792
SNP_P1_47746_35904864	NC_021162.1	Ca_kabuli_chr03	35904864	AA	GG	1940176795
SNP_P1_47747_35904871	NC_021162.1	Ca_kabuli_chr03	35904871	GG	AA	1940176797
SNP_P1_47748_35905037	NC_021162.1	Ca_kabuli_chr03	35905037	TT	CC	1940176799
SNP_P1_47749_35905182	NC_021162.1	Ca_kabuli_chr03	35905182	AA	TT	1940176801
SNP_P1_47750_35905209	NC_021162.1	Ca_kabuli_chr03	35905209	AA	CC	1940176803
SNP_P1_47751_35905274	NC_021162.1	Ca_kabuli_chr03	35905274	AA	CC	1940176805
SNP_P1_47752_35905398	NC_021162.1	Ca_kabuli_chr03	35905398	CC	TT	1940176808
SNP_P1_47753_35905443	NC_021162.1	Ca_kabuli_chr03	35905443	AA	GG	1940176810
SNP_P1_47754_35906593	NC_021162.1	Ca_kabuli_chr03	35906593	TT	AA	1940176812
SNP_P1_47755_35906713	NC_021162.1	Ca_kabuli_chr03	35906713	AA	TT	1940176814
SNP_P1_47759_35908902	NC_021162.1	Ca_kabuli_chr03	35908902	AA	GG	1940176816
SNP_P1_47760_35908939	NC_021162.1	Ca_kabuli_chr03	35908939	AA	TT	1940176818
SNP_P1_47761_35908940	NC_021162.1	Ca_kabuli_chr03	35908940	GG	AA	1940176820
SNP_P1_47762_35908978	NC_021162.1	Ca_kabuli_chr03	35908978	GG	AA	1940176823
SNP_P1_47763_35908989	NC_021162.1	Ca_kabuli_chr03	35908989	AA	TT	1940176825
SNP_P1_47765_35909740	NC_021162.1	Ca_kabuli_chr03	35909740	CC	TT	1940176827
SNP_P1_47768_35910163	NC_021162.1	Ca_kabuli_chr03	35910163	GG	AA	1940176829
SNP_P1_47769_35910847	NC_021162.1	Ca_kabuli_chr03	35910847	GG	AA	1940176831
SNP_P1_47770_35911128	NC_021162.1	Ca_kabuli_chr03	35911128	GG	CC	1940176833
SNP_P1_47773_35911684	NC_021162.1	Ca_kabuli_chr03	35911684	TT	CC	1940176835
SNP_P1_47774_35911760	NC_021162.1	Ca_kabuli_chr03	35911760	TT	CC	1940176838
SNP_P1_47775_35911768	NC_021162.1	Ca_kabuli_chr03	35911768	TT	AA	1940176840
SNP_P1_47776_35911796	NC_021162.1	Ca_kabuli_chr03	35911796	TT	CC	1940176842
SNP_P1_47777_35911863	NC_021162.1	Ca_kabuli_chr03	35911863	AA	GG	1940176844
SNP_P1_47778_35911918	NC_021162.1	Ca_kabuli_chr03	35911918	CC	TT	1940176846
SNP_P1_47779_35911923	NC_021162.1	Ca_kabuli_chr03	35911923	TT	AA	1940176848
SNP_P1_47780_35911959	NC_021162.1	Ca_kabuli_chr03	35911959	AA	GG	1940176850
SNP_P1_47782_35915110	NC_021162.1	Ca_kabuli_chr03	35915110	CC	TT	1940176853
SNP_P1_47783_35915115	NC_021162.1	Ca_kabuli_chr03	35915115	TT	GG	1940176855
SNP_P1_47784_35915220	NC_021162.1	Ca_kabuli_chr03	35915220	GG	AA	1940176857
SNP_P1_47785_35915255	NC_021162.1	Ca_kabuli_chr03	35915255	GG	TT	1940176859

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47788_35915516	NC_021162.1	Ca_kabuli_chr03	35915516	TT	CC	1940176863
SNP_P1_47789_35917020	NC_021162.1	Ca_kabuli_chr03	35917020	TT	CC	1940176865
SNP_P1_47791_35917303	NC_021162.1	Ca_kabuli_chr03	35917303	AA	CC	1940176868
SNP_P1_47792_35917353	NC_021162.1	Ca_kabuli_chr03	35917353	GG	AA	1940176870
SNP_P1_47793_35917898	NC_021162.1	Ca_kabuli_chr03	35917898	TT	CC	1940176872
SNP_P1_47794_35918123	NC_021162.1	Ca_kabuli_chr03	35918123	TT	CC	1940176874
SNP_P1_47796_35918346	NC_021162.1	Ca_kabuli_chr03	35918346	TT	GG	1940176876
SNP_P1_47797_35918354	NC_021162.1	Ca_kabuli_chr03	35918354	AA	CC	1940176878
SNP_P1_47798_35918420	NC_021162.1	Ca_kabuli_chr03	35918420	GG	AA	1940176880
SNP_P1_47799_35918421	NC_021162.1	Ca_kabuli_chr03	35918421	GG	AA	1940176883
SNP_P1_47800_35918645	NC_021162.1	Ca_kabuli_chr03	35918645	TT	CC	1940176885
SNP_P1_47802_35919221	NC_021162.1	Ca_kabuli_chr03	35919221	AA	CC	1940176887
SNP_P1_47804_35919606	NC_021162.1	Ca_kabuli_chr03	35919606	GG	TT	1940176889
SNP_P1_47805_35919955	NC_021162.1	Ca_kabuli_chr03	35919955	TT	GG	1940176891
SNP_P1_47806_35921590	NC_021162.1	Ca_kabuli_chr03	35921590	GG	TT	1940176893
SNP_P1_47807_35921598	NC_021162.1	Ca_kabuli_chr03	35921598	AA	TT	1940176896
SNP_P1_47808_35921998	NC_021162.1	Ca_kabuli_chr03	35921998	TT	CC	1940176898
SNP_P1_47809_35923206	NC_021162.1	Ca_kabuli_chr03	35923206	AA	GG	1940176900
SNP_P1_47810_35924227	NC_021162.1	Ca_kabuli_chr03	35924227	TT	AA	1940176902
SNP_P1_47811_35924372	NC_021162.1	Ca_kabuli_chr03	35924372	GG	AA	1940176904
SNP_P1_47812_35924901	NC_021162.1	Ca_kabuli_chr03	35924901	AA	TT	1940176906
SNP_P1_47813_35925039	NC_021162.1	Ca_kabuli_chr03	35925039	TT	CC	1940176908
SNP_P1_47814_35925248	NC_021162.1	Ca_kabuli_chr03	35925248	TT	GG	1940176911
SNP_P1_47815_35928060	NC_021162.1	Ca_kabuli_chr03	35928060	AA	GG	1940176913
SNP_P1_47816_35928393	NC_021162.1	Ca_kabuli_chr03	35928393	AA	TT	1940176915
SNP_P1_47817_35928524	NC_021162.1	Ca_kabuli_chr03	35928524	AA	GG	1940176917
SNP_P1_47818_35928566	NC_021162.1	Ca_kabuli_chr03	35928566	TT	CC	1940176919
SNP_P1_47819_35928590	NC_021162.1	Ca_kabuli_chr03	35928590	TT	CC	1940176921
SNP_P1_47820_35928708	NC_021162.1	Ca_kabuli_chr03	35928708	AA	GG	1940176923
SNP_P1_47822_35928775	NC_021162.1	Ca_kabuli_chr03	35928775	CC	TT	1940176926
SNP_P1_47823_35928776	NC_021162.1	Ca_kabuli_chr03	35928776	TT	GG	1940176928
SNP_P1_47825_35928937	NC_021162.1	Ca_kabuli_chr03	35928937	GG	AA	1940176930
SNP_P1_47826_35928948	NC_021162.1	Ca_kabuli_chr03	35928948	TT	AA	1940176932
SNP_P1_47827_35928961	NC_021162.1	Ca_kabuli_chr03	35928961	GG	AA	1940176934
SNP_P1_47828_35929084	NC_021162.1	Ca_kabuli_chr03	35929084	CC	TT	1940176936
SNP_P1_47829_35930493	NC_021162.1	Ca_kabuli_chr03	35930493	GG	AA	1940176939
SNP_P1_47830_35932158	NC_021162.1	Ca_kabuli_chr03	35932158	GG	TT	1940176941
SNP_P1_47831_35932462	NC_021162.1	Ca_kabuli_chr03	35932462	CC	AA	1940176943
SNP_P1_47832_35933548	NC_021162.1	Ca_kabuli_chr03	35933548	CC	AA	1940176945
SNP_P1_47833_35933814	NC_021162.1	Ca_kabuli_chr03	35933814	AA	GG	1940176947
SNP_P1_47834_35933839	NC_021162.1	Ca_kabuli_chr03	35933839	TT	CC	1940176949

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47836_35935210	NC_021162.1	Ca_kabuli_chr03	35935210	AA	CC	1940176954
SNP_P1_47838_35935605	NC_021162.1	Ca_kabuli_chr03	35935605	TT	AA	1940176956
SNP_P1_47839_35935793	NC_021162.1	Ca_kabuli_chr03	35935793	AA	CC	1940176958
SNP_P1_47840_35936691	NC_021162.1	Ca_kabuli_chr03	35936691	AA	CC	1940176960
SNP_P1_47841_35936784	NC_021162.1	Ca_kabuli_chr03	35936784	AA	GG	1940176962
SNP_P1_47842_35936797	NC_021162.1	Ca_kabuli_chr03	35936797	AA	TT	1940176964
SNP_P1_47843_35936810	NC_021162.1	Ca_kabuli_chr03	35936810	AA	GG	1940176966
SNP_P1_47844_35936836	NC_021162.1	Ca_kabuli_chr03	35936836	TT	GG	1940176969
SNP_P1_47845_35937159	NC_021162.1	Ca_kabuli_chr03	35937159	TT	CC	1940176971
SNP_P1_47846_35937161	NC_021162.1	Ca_kabuli_chr03	35937161	TT	CC	1940176973
SNP_P1_47847_35937376	NC_021162.1	Ca_kabuli_chr03	35937376	TT	CC	1940176975
SNP_P1_47848_35937377	NC_021162.1	Ca_kabuli_chr03	35937377	GG	AA	1940176977
SNP_P1_47849_35937383	NC_021162.1	Ca_kabuli_chr03	35937383	GG	AA	1940176979
SNP_P1_47850_35937548	NC_021162.1	Ca_kabuli_chr03	35937548	TT	CC	1940176981
SNP_P1_47854_35940638	NC_021162.1	Ca_kabuli_chr03	35940638	GG	TT	1940176984
SNP_P1_47855_35940693	NC_021162.1	Ca_kabuli_chr03	35940693	GG	AA	1940176986
SNP_P1_47856_35940723	NC_021162.1	Ca_kabuli_chr03	35940723	TT	CC	1940176988
SNP_P1_47857_35940958	NC_021162.1	Ca_kabuli_chr03	35940958	CC	AA	1940176990
SNP_P1_47858_35941265	NC_021162.1	Ca_kabuli_chr03	35941265	CC	TT	1940176992
SNP_P1_47859_35941269	NC_021162.1	Ca_kabuli_chr03	35941269	GG	TT	1940176994
SNP_P1_47860_35941275	NC_021162.1	Ca_kabuli_chr03	35941275	AA	GG	1940176996
SNP_P1_47861_35941303	NC_021162.1	Ca_kabuli_chr03	35941303	AA	GG	1940176999
SNP_P1_47862_35941626	NC_021162.1	Ca_kabuli_chr03	35941626	CC	TT	1940177001
SNP_P1_47863_35942301	NC_021162.1	Ca_kabuli_chr03	35942301	CC	AA	1940177003
SNP_P1_47864_35942305	NC_021162.1	Ca_kabuli_chr03	35942305	CC	TT	1940177005
SNP_P1_47865_35942325	NC_021162.1	Ca_kabuli_chr03	35942325	TT	CC	1940177007
SNP_P1_47866_35942348	NC_021162.1	Ca_kabuli_chr03	35942348	CC	TT	1940177009
SNP_P1_47867_35942598	NC_021162.1	Ca_kabuli_chr03	35942598	AA	GG	1940177011
SNP_P1_47868_35942642	NC_021162.1	Ca_kabuli_chr03	35942642	GG	TT	1940177013
SNP_P1_47869_35942643	NC_021162.1	Ca_kabuli_chr03	35942643	GG	TT	1940177016
SNP_P1_47870_35942661	NC_021162.1	Ca_kabuli_chr03	35942661	TT	AA	1940177018
SNP_P1_47873_35945628	NC_021162.1	Ca_kabuli_chr03	35945628	CC	TT	1940177020
SNP_P1_47874_35945670	NC_021162.1	Ca_kabuli_chr03	35945670	TT	AA	1940177022
SNP_P1_47875_35945682	NC_021162.1	Ca_kabuli_chr03	35945682	GG	AA	1940177024
SNP_P1_47876_35945770	NC_021162.1	Ca_kabuli_chr03	35945770	GG	CC	1940177026
SNP_P1_47877_35945869	NC_021162.1	Ca_kabuli_chr03	35945869	TT	GG	1940177028
SNP_P1_47879_35946212	NC_021162.1	Ca_kabuli_chr03	35946212	GG	AA	1940177031
SNP_P1_47880_35946249	NC_021162.1	Ca_kabuli_chr03	35946249	AA	TT	1940177033
SNP_P1_47881_35946298	NC_021162.1	Ca_kabuli_chr03	35946298	AA	GG	1940177035
SNP_P1_47882_35946667	NC_021162.1	Ca_kabuli_chr03	35946667	AA	GG	1940177037
SNP_P1_47883_35946677	NC_021162.1	Ca_kabuli_chr03	35946677	CC	GG	1940177039

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47888_35948076	NC_021162.1	Ca_kabuli_chr03	35948076	GG	AA	1940177046
SNP_P1_47889_35948139	NC_021162.1	Ca_kabuli_chr03	35948139	AA	TT	1940177048
SNP_P1_47890_35948220	NC_021162.1	Ca_kabuli_chr03	35948220	TT	GG	1940177050
SNP_P1_47891_35948293	NC_021162.1	Ca_kabuli_chr03	35948293	GG	AA	1940177052
SNP_P1_47892_35948678	NC_021162.1	Ca_kabuli_chr03	35948678	TT	AA	1940177054
SNP_P1_47893_35950449	NC_021162.1	Ca_kabuli_chr03	35950449	AA	GG	1940177056
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SNP_P1_47895_35951218	NC_021162.1	Ca_kabuli_chr03	35951218	TT	AA	1940177061
SNP_P1_47896_35951237	NC_021162.1	Ca_kabuli_chr03	35951237	CC	GG	1940177063
SNP_P1_47897_35951241	NC_021162.1	Ca_kabuli_chr03	35951241	GG	CC	1940177065
SNP_P1_47898_35951247	NC_021162.1	Ca_kabuli_chr03	35951247	CC	GG	1940177067
SNP_P1_47899_35951326	NC_021162.1	Ca_kabuli_chr03	35951326	TT	AA	1940177069
SNP_P1_47901_35952344	NC_021162.1	Ca_kabuli_chr03	35952344	TT	GG	1940177071
SNP_P1_47902_35952366	NC_021162.1	Ca_kabuli_chr03	35952366	CC	TT	1940177073
SNP_P1_47903_35952454	NC_021162.1	Ca_kabuli_chr03	35952454	AA	CC	1940177076
SNP_P1_47904_35952553	NC_021162.1	Ca_kabuli_chr03	35952553	TT	AA	1940177078
SNP_P1_47905_35952773	NC_021162.1	Ca_kabuli_chr03	35952773	TT	GG	1940177080
SNP_P1_47906_35952856	NC_021162.1	Ca_kabuli_chr03	35952856	AA	CC	1940177082
SNP_P1_47907_35952935	NC_021162.1	Ca_kabuli_chr03	35952935	CC	GG	1940177084
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SNP_P1_47909_35953971	NC_021162.1	Ca_kabuli_chr03	35953971	AA	GG	1940177088
SNP_P1_47911_35954035	NC_021162.1	Ca_kabuli_chr03	35954035	AA	GG	1940177091
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SNP_P1_47913_35954141	NC_021162.1	Ca_kabuli_chr03	35954141	GG	CC	1940177095
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SNP_P1_47915_35954187	NC_021162.1	Ca_kabuli_chr03	35954187	CC	TT	1940177099
SNP_P1_47916_35954221	NC_021162.1	Ca_kabuli_chr03	35954221	TT	CC	1940177101
SNP_P1_47917_35954268	NC_021162.1	Ca_kabuli_chr03	35954268	TT	CC	1940177103
SNP_P1_47918_35954352	NC_021162.1	Ca_kabuli_chr03	35954352	TT	CC	1940177105
SNP_P1_47919_35954497	NC_021162.1	Ca_kabuli_chr03	35954497	AA	GG	1940177108
SNP_P1_47921_35956502	NC_021162.1	Ca_kabuli_chr03	35956502	CC	TT	1940177110
SNP_P1_47922_35956512	NC_021162.1	Ca_kabuli_chr03	35956512	AA	GG	1940177112
SNP_P1_47923_35957740	NC_021162.1	Ca_kabuli_chr03	35957740	CC	TT	1940177114
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SNP_P1_47925_35959668	NC_021162.1	Ca_kabuli_chr03	35959668	TT	AA	1940177118
SNP_P1_47926_35959672	NC_021162.1	Ca_kabuli_chr03	35959672	GG	TT	1940177120
SNP_P1_47927_35959709	NC_021162.1	Ca_kabuli_chr03	35959709	GG	AA	1940177123
SNP_P1_47928_35959814	NC_021162.1	Ca_kabuli_chr03	35959814	AA	CC	1940177125
SNP_P1_47929_35959819	NC_021162.1	Ca_kabuli_chr03	35959819	GG	TT	1940177127
SNP_P1_47930_35959855	NC_021162.1	Ca_kabuli_chr03	35959855	GG	AA	1940177129

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47933_35959907	NC_021162.1	Ca_kabuli_chr03	35959907	GG	AA	1940177135
SNP_P1_47935_35960018	NC_021162.1	Ca_kabuli_chr03	35960018	AA	TT	1940177138
SNP_P1_47936_35960185	NC_021162.1	Ca_kabuli_chr03	35960185	TT	AA	1940177140
SNP_P1_47937_35960226	NC_021162.1	Ca_kabuli_chr03	35960226	AA	GG	1940177142
SNP_P1_47939_35960832	NC_021162.1	Ca_kabuli_chr03	35960832	TT	CC	1940177144
SNP_P1_47941_35960896	NC_021162.1	Ca_kabuli_chr03	35960896	AA	GG	1940177146
SNP_P1_47942_35960916	NC_021162.1	Ca_kabuli_chr03	35960916	AA	GG	1940177148
SNP_P1_47943_35960923	NC_021162.1	Ca_kabuli_chr03	35960923	TT	GG	1940177150
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SNP_P1_47945_35962529	NC_021162.1	Ca_kabuli_chr03	35962529	TT	AA	1940177155
SNP_P1_47947_35962770	NC_021162.1	Ca_kabuli_chr03	35962770	AA	TT	1940177157
SNP_P1_47948_35962811	NC_021162.1	Ca_kabuli_chr03	35962811	AA	TT	1940177159
SNP_P1_47950_35963038	NC_021162.1	Ca_kabuli_chr03	35963038	AA	GG	1940177161
SNP_P1_47951_35963077	NC_021162.1	Ca_kabuli_chr03	35963077	TT	CC	1940177163
SNP_P1_47952_35963085	NC_021162.1	Ca_kabuli_chr03	35963085	GG	AA	1940177165
SNP_P1_47953_35963092	NC_021162.1	Ca_kabuli_chr03	35963092	TT	AA	1940177168
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SNP_P1_47955_35963409	NC_021162.1	Ca_kabuli_chr03	35963409	AA	TT	1940177172
SNP_P1_47956_35963441	NC_021162.1	Ca_kabuli_chr03	35963441	AA	GG	1940177174
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SNP_P1_47959_35963558	NC_021162.1	Ca_kabuli_chr03	35963558	TT	GG	1940177178
SNP_P1_47960_35963804	NC_021162.1	Ca_kabuli_chr03	35963804	AA	GG	1940177180
SNP_P1_47961_35963816	NC_021162.1	Ca_kabuli_chr03	35963816	TT	CC	1940177183
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SNP_P1_47966_35965794	NC_021162.1	Ca_kabuli_chr03	35965794	AA	GG	1940177191
SNP_P1_47967_35965831	NC_021162.1	Ca_kabuli_chr03	35965831	AA	CC	1940177193
SNP_P1_47968_35965950	NC_021162.1	Ca_kabuli_chr03	35965950	GG	AA	1940177195
SNP_P1_47969_35966139	NC_021162.1	Ca_kabuli_chr03	35966139	CC	TT	1940177198
SNP_P1_47970_35967607	NC_021162.1	Ca_kabuli_chr03	35967607	CC	TT	1940177200
SNP_P1_47972_35968176	NC_021162.1	Ca_kabuli_chr03	35968176	AA	TT	1940177202
SNP_P1_47973_35968235	NC_021162.1	Ca_kabuli_chr03	35968235	AA	TT	1940177204
SNP_P1_47974_35968932	NC_021162.1	Ca_kabuli_chr03	35968932	AA	GG	1940177206
SNP_P1_47975_35969532	NC_021162.1	Ca_kabuli_chr03	35969532	TT	GG	1940177208
SNP_P1_47976_35970076	NC_021162.1	Ca_kabuli_chr03	35970076	TT	CC	1940177211
SNP_P1_47977_35971921	NC_021162.1	Ca_kabuli_chr03	35971921	CC	AA	1940177213
SNP_P1_47978_35971999	NC_021162.1	Ca_kabuli_chr03	35971999	GG	TT	1940177215
SNP_P1_47982_35975528	NC_021162.1	Ca_kabuli_chr03	35975528	AA	GG	1940177217
SNP_P1_47983_35975624	NC_021162.1	Ca_kabuli_chr03	35975624	AA	GG	1940177219

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_47987_35976991	NC_021162.1	Ca_kabuli_chr03	35976991	CC	TT	1940177226
SNP_P1_47988_35977041	NC_021162.1	Ca_kabuli_chr03	35977041	CC	TT	1940177228
SNP_P1_47989_35978898	NC_021162.1	Ca_kabuli_chr03	35978898	AA	CC	1940177230
SNP_P1_47990_35981322	NC_021162.1	Ca_kabuli_chr03	35981322	GG	CC	1940177232
SNP_P1_47991_35981323	NC_021162.1	Ca_kabuli_chr03	35981323	CC	TT	1940177234
SNP_P1_47992_35981336	NC_021162.1	Ca_kabuli_chr03	35981336	AA	GG	1940177236
SNP_P1_47994_35981405	NC_021162.1	Ca_kabuli_chr03	35981405	TT	GG	1940177238
SNP_P1_47995_35981685	NC_021162.1	Ca_kabuli_chr03	35981685	CC	TT	1940177241
SNP_P1_47996_35981695	NC_021162.1	Ca_kabuli_chr03	35981695	TT	GG	1940177243
SNP_P1_47999_35982693	NC_021162.1	Ca_kabuli_chr03	35982693	TT	GG	1940177245
SNP_P1_48000_35982741	NC_021162.1	Ca_kabuli_chr03	35982741	AA	CC	1940177247
SNP_P1_48001_35982754	NC_021162.1	Ca_kabuli_chr03	35982754	CC	TT	1940177249
SNP_P1_48002_35982756	NC_021162.1	Ca_kabuli_chr03	35982756	GG	CC	1940177251
SNP_P1_48003_35982772	NC_021162.1	Ca_kabuli_chr03	35982772	TT	CC	1940177253
SNP_P1_48004_35982974	NC_021162.1	Ca_kabuli_chr03	35982974	TT	GG	1940177256
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SNP_P1_48006_35982999	NC_021162.1	Ca_kabuli_chr03	35982999	CC	TT	1940177260
SNP_P1_48007_35983006	NC_021162.1	Ca_kabuli_chr03	35983006	TT	CC	1940177262
SNP_P1_48008_35983279	NC_021162.1	Ca_kabuli_chr03	35983279	GG	AA	1940177264
SNP_P1_48009_35983301	NC_021162.1	Ca_kabuli_chr03	35983301	AA	CC	1940177266
SNP_P1_48010_35983314	NC_021162.1	Ca_kabuli_chr03	35983314	CC	AA	1940177268
SNP_P1_48011_35983316	NC_021162.1	Ca_kabuli_chr03	35983316	GG	AA	1940177271
SNP_P1_48012_35983735	NC_021162.1	Ca_kabuli_chr03	35983735	CC	TT	1940177273
SNP_P1_48014_35987112	NC_021162.1	Ca_kabuli_chr03	35987112	CC	AA	1940177275
SNP_P1_48015_35987242	NC_021162.1	Ca_kabuli_chr03	35987242	CC	AA	1940177277
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SNP_P1_48018_35987871	NC_021162.1	Ca_kabuli_chr03	35987871	GG	CC	1940177281
SNP_P1_48019_35988044	NC_021162.1	Ca_kabuli_chr03	35988044	AA	TT	1940177283
SNP_P1_48020_35988060	NC_021162.1	Ca_kabuli_chr03	35988060	TT	GG	1940177286
SNP_P1_48021_35988085	NC_021162.1	Ca_kabuli_chr03	35988085	AA	GG	1940177288
SNP_P1_48022_35988191	NC_021162.1	Ca_kabuli_chr03	35988191	GG	TT	1940177290
SNP_P1_48023_35988266	NC_021162.1	Ca_kabuli_chr03	35988266	GG	TT	1940177292
SNP_P1_48024_35988267	NC_021162.1	Ca_kabuli_chr03	35988267	TT	CC	1940177294
SNP_P1_48025_35990167	NC_021162.1	Ca_kabuli_chr03	35990167	GG	TT	1940177296
SNP_P1_48027_35990479	NC_021162.1	Ca_kabuli_chr03	35990479	AA	CC	1940177298
SNP_P1_48028_35990519	NC_021162.1	Ca_kabuli_chr03	35990519	CC	GG	1940177301
SNP_P1_48029_35991024	NC_021162.1	Ca_kabuli_chr03	35991024	AA	GG	1940177303
SNP_P1_48030_35991785	NC_021162.1	Ca_kabuli_chr03	35991785	CC	TT	1940177305
SNP_P1_48031_35992486	NC_021162.1	Ca_kabuli_chr03	35992486	AA	GG	1940177307
SNP_P1_48033_35992987	NC_021162.1	Ca_kabuli_chr03	35992987	AA	TT	1940177309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48035_35993606	NC_021162.1	Ca_kabuli_chr03	35993606	TT	CC	1940177313
SNP_P1_48036_35993630	NC_021162.1	Ca_kabuli_chr03	35993630	CC	AA	1940177316
SNP_P1_48037_35993631	NC_021162.1	Ca_kabuli_chr03	35993631	AA	GG	1940177318
SNP_P1_48038_35993663	NC_021162.1	Ca_kabuli_chr03	35993663	CC	TT	1940177320
SNP_P1_48039_35993700	NC_021162.1	Ca_kabuli_chr03	35993700	CC	AA	1940177322
SNP_P1_48040_35993741	NC_021162.1	Ca_kabuli_chr03	35993741	GG	AA	1940177324
SNP_P1_48042_35993986	NC_021162.1	Ca_kabuli_chr03	35993986	TT	GG	1940177326
SNP_P1_48043_35993987	NC_021162.1	Ca_kabuli_chr03	35993987	GG	AA	1940177328
SNP_P1_48044_35993989	NC_021162.1	Ca_kabuli_chr03	35993989	AA	TT	1940177331
SNP_P1_48045_35994108	NC_021162.1	Ca_kabuli_chr03	35994108	AA	GG	1940177333
SNP_P1_48046_35994154	NC_021162.1	Ca_kabuli_chr03	35994154	AA	GG	1940177335
SNP_P1_48047_35994478	NC_021162.1	Ca_kabuli_chr03	35994478	CC	TT	1940177337
SNP_P1_48049_35994518	NC_021162.1	Ca_kabuli_chr03	35994518	CC	TT	1940177339
SNP_P1_48050_35994537	NC_021162.1	Ca_kabuli_chr03	35994537	AA	GG	1940177341
SNP_P1_48051_35994769	NC_021162.1	Ca_kabuli_chr03	35994769	CC	TT	1940177343
SNP_P1_48053_35995169	NC_021162.1	Ca_kabuli_chr03	35995169	CC	TT	1940177346
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SNP_P1_48055_35995862	NC_021162.1	Ca_kabuli_chr03	35995862	TT	CC	1940177350
SNP_P1_48056_35995895	NC_021162.1	Ca_kabuli_chr03	35995895	CC	GG	1940177352
SNP_P1_48057_35996086	NC_021162.1	Ca_kabuli_chr03	35996086	TT	CC	1940177354
SNP_P1_48058_35996092	NC_021162.1	Ca_kabuli_chr03	35996092	GG	AA	1940177356
SNP_P1_48059_35997865	NC_021162.1	Ca_kabuli_chr03	35997865	AA	TT	1940177358
SNP_P1_48060_35998725	NC_021162.1	Ca_kabuli_chr03	35998725	CC	TT	1940177361
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SNP_P1_48064_35999635	NC_021162.1	Ca_kabuli_chr03	35999635	AA	GG	1940177369
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SNP_P1_48066_36000012	NC_021162.1	Ca_kabuli_chr03	36000012	AA	TT	1940177373
SNP_P1_48067_36000018	NC_021162.1	Ca_kabuli_chr03	36000018	CC	TT	1940177376
SNP_P1_48068_36000079	NC_021162.1	Ca_kabuli_chr03	36000079	TT	CC	1940177378
SNP_P1_48069_36000210	NC_021162.1	Ca_kabuli_chr03	36000210	TT	CC	1940177380
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SNP_P1_48071_36000275	NC_021162.1	Ca_kabuli_chr03	36000275	GG	TT	1940177384
SNP_P1_48072_36000294	NC_021162.1	Ca_kabuli_chr03	36000294	GG	AA	1940177386
SNP_P1_48073_36000300	NC_021162.1	Ca_kabuli_chr03	36000300	TT	CC	1940177388
SNP_P1_48074_36000649	NC_021162.1	Ca_kabuli_chr03	36000649	CC	TT	1940177390
SNP_P1_48076_36002257	NC_021162.1	Ca_kabuli_chr03	36002257	CC	TT	1940177393
SNP_P1_48077_36002796	NC_021162.1	Ca_kabuli_chr03	36002796	TT	CC	1940177395
SNP_P1_48078_36002841	NC_021162.1	Ca_kabuli_chr03	36002841	GG	AA	1940177397
SNP_P1_48079_36003029	NC_021162.1	Ca_kabuli_chr03	36003029	GG	TT	1940177399

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48081_36005219	NC_021162.1	Ca_kabuli_chr03	36005219	AA	GG	1940177403
SNP_P1_48082_36005405	NC_021162.1	Ca_kabuli_chr03	36005405	CC	TT	1940177405
SNP_P1_48084_36005442	NC_021162.1	Ca_kabuli_chr03	36005442	GG	AA	1940177408
SNP_P1_48086_36005682	NC_021162.1	Ca_kabuli_chr03	36005682	AA	GG	1940177410
SNP_P1_48087_36005701	NC_021162.1	Ca_kabuli_chr03	36005701	TT	AA	1940177412
SNP_P1_48088_36005956	NC_021162.1	Ca_kabuli_chr03	36005956	TT	CC	1940177414
SNP_P1_48089_36006161	NC_021162.1	Ca_kabuli_chr03	36006161	GG	CC	1940177416
SNP_P1_48091_36006240	NC_021162.1	Ca_kabuli_chr03	36006240	TT	AA	1940177418
SNP_P1_48092_36006311	NC_021162.1	Ca_kabuli_chr03	36006311	AA	GG	1940177420
SNP_P1_48093_36006431	NC_021162.1	Ca_kabuli_chr03	36006431	CC	AA	1940177423
SNP_P1_48094_36006450	NC_021162.1	Ca_kabuli_chr03	36006450	GG	AA	1940177425
SNP_P1_48095_36009397	NC_021162.1	Ca_kabuli_chr03	36009397	TT	CC	1940177427
SNP_P1_48096_36011204	NC_021162.1	Ca_kabuli_chr03	36011204	GG	TT	1940177429
SNP_P1_48098_36011275	NC_021162.1	Ca_kabuli_chr03	36011275	CC	TT	1940177431
SNP_P1_48099_36011586	NC_021162.1	Ca_kabuli_chr03	36011586	CC	TT	1940177433
SNP_P1_48100_36013347	NC_021162.1	Ca_kabuli_chr03	36013347	CC	AA	1940177435
SNP_P1_48101_36013519	NC_021162.1	Ca_kabuli_chr03	36013519	CC	TT	1940177438
SNP_P1_48102_36013746	NC_021162.1	Ca_kabuli_chr03	36013746	TT	AA	1940177440
SNP_P1_48103_36013761	NC_021162.1	Ca_kabuli_chr03	36013761	AA	GG	1940177442
SNP_P1_48104_36013803	NC_021162.1	Ca_kabuli_chr03	36013803	TT	GG	1940177444
SNP_P1_48105_36015430	NC_021162.1	Ca_kabuli_chr03	36015430	CC	TT	1940177446
SNP_P1_48106_36015701	NC_021162.1	Ca_kabuli_chr03	36015701	AA	GG	1940177448
SNP_P1_48107_36015795	NC_021162.1	Ca_kabuli_chr03	36015795	GG	AA	1940177450
SNP_P1_48108_36016090	NC_021162.1	Ca_kabuli_chr03	36016090	GG	CC	1940177453
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SNP_P1_48112_36016493	NC_021162.1	Ca_kabuli_chr03	36016493	TT	AA	1940177457
SNP_P1_48113_36016497	NC_021162.1	Ca_kabuli_chr03	36016497	TT	AA	1940177459
SNP_P1_48114_36017629	NC_021162.1	Ca_kabuli_chr03	36017629	AA	CC	1940177461
SNP_P1_48115_36018152	NC_021162.1	Ca_kabuli_chr03	36018152	AA	CC	1940177463
SNP_P1_48116_36018234	NC_021162.1	Ca_kabuli_chr03	36018234	TT	GG	1940177465
SNP_P1_48117_36019153	NC_021162.1	Ca_kabuli_chr03	36019153	TT	AA	1940177467
SNP_P1_48118_36019296	NC_021162.1	Ca_kabuli_chr03	36019296	AA	GG	1940177470
SNP_P1_48119_36019500	NC_021162.1	Ca_kabuli_chr03	36019500	CC	TT	1940177472
SNP_P1_48121_36019556	NC_021162.1	Ca_kabuli_chr03	36019556	AA	TT	1940177474
SNP_P1_48122_36019564	NC_021162.1	Ca_kabuli_chr03	36019564	TT	GG	1940177476
SNP_P1_48123_36019591	NC_021162.1	Ca_kabuli_chr03	36019591	AA	CC	1940177478
SNP_P1_48125_36019951	NC_021162.1	Ca_kabuli_chr03	36019951	TT	GG	1940177480
SNP_P1_48127_36020155	NC_021162.1	Ca_kabuli_chr03	36020155	TT	AA	1940177482
SNP_P1_48128_36020266	NC_021162.1	Ca_kabuli_chr03	36020266	AA	GG	1940177485
SNP_P1_48132_36021278	NC_021162.1	Ca_kabuli_chr03	36021278	AA	TT	1940177487
SNP_P1_48133_36021461	NC_021162.1	Ca_kabuli_chr03	36021461	CC	AA	1940177489

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48136_36022407	NC_021162.1	Ca_kabuli_chr03	36022407	GG	AA	1940177493
SNP_P1_48137_36022443	NC_021162.1	Ca_kabuli_chr03	36022443	CC	AA	1940177495
SNP_P1_48138_36022892	NC_021162.1	Ca_kabuli_chr03	36022892	TT	CC	1940177498
SNP_P1_48139_36023031	NC_021162.1	Ca_kabuli_chr03	36023031	CC	AA	1940177500
SNP_P1_48140_36023656	NC_021162.1	Ca_kabuli_chr03	36023656	GG	TT	1940177502
SNP_P1_48142_36023798	NC_021162.1	Ca_kabuli_chr03	36023798	CC	GG	1940177504
SNP_P1_48143_36024014	NC_021162.1	Ca_kabuli_chr03	36024014	AA	GG	1940177506
SNP_P1_48144_36024079	NC_021162.1	Ca_kabuli_chr03	36024079	AA	GG	1940177508
SNP_P1_48145_36024104	NC_021162.1	Ca_kabuli_chr03	36024104	TT	AA	1940177510
SNP_P1_48146_36025652	NC_021162.1	Ca_kabuli_chr03	36025652	GG	AA	1940177512
SNP_P1_48147_36025714	NC_021162.1	Ca_kabuli_chr03	36025714	AA	TT	1940177514
SNP_P1_48148_36025733	NC_021162.1	Ca_kabuli_chr03	36025733	CC	TT	1940177516
SNP_P1_48149_36025756	NC_021162.1	Ca_kabuli_chr03	36025756	GG	AA	1940177518
SNP_P1_48150_36025769	NC_021162.1	Ca_kabuli_chr03	36025769	AA	GG	1940177520
SNP_P1_48151_36025902	NC_021162.1	Ca_kabuli_chr03	36025902	GG	AA	1940177522
SNP_P1_48152_36025964	NC_021162.1	Ca_kabuli_chr03	36025964	TT	CC	1940177525
SNP_P1_48153_36026038	NC_021162.1	Ca_kabuli_chr03	36026038	AA	CC	1940177527
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SNP_P1_48158_36026724	NC_021162.1	Ca_kabuli_chr03	36026724	CC	TT	1940177535
SNP_P1_48159_36026929	NC_021162.1	Ca_kabuli_chr03	36026929	AA	CC	1940177537
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SNP_P1_48161_36026994	NC_021162.1	Ca_kabuli_chr03	36026994	GG	AA	1940177541
SNP_P1_48162_36027019	NC_021162.1	Ca_kabuli_chr03	36027019	TT	CC	1940177543
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SNP_P1_48164_36027862	NC_021162.1	Ca_kabuli_chr03	36027862	CC	GG	1940177547
SNP_P1_48165_36027916	NC_021162.1	Ca_kabuli_chr03	36027916	TT	AA	1940177550
SNP_P1_48166_36028091	NC_021162.1	Ca_kabuli_chr03	36028091	AA	CC	1940177552
SNP_P1_48167_36028224	NC_021162.1	Ca_kabuli_chr03	36028224	GG	AA	1940177554
SNP_P1_48168_36028245	NC_021162.1	Ca_kabuli_chr03	36028245	AA	GG	1940177556
SNP_P1_48169_36028257	NC_021162.1	Ca_kabuli_chr03	36028257	GG	AA	1940177559
SNP_P1_48170_36029875	NC_021162.1	Ca_kabuli_chr03	36029875	CC	TT	1940177561
SNP_P1_48171_36030777	NC_021162.1	Ca_kabuli_chr03	36030777	AA	TT	1940177563
SNP_P1_48172_36030843	NC_021162.1	Ca_kabuli_chr03	36030843	AA	TT	1940177565
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SNP_P1_48175_36031004	NC_021162.1	Ca_kabuli_chr03	36031004	GG	TT	1940177572
SNP_P1_48177_36031177	NC_021162.1	Ca_kabuli_chr03	36031177	CC	AA	1940177574
SNP_P1_48178_36031180	NC_021162.1	Ca_kabuli_chr03	36031180	GG	TT	1940177576
SNP_P1_48179_36031188	NC_021162.1	Ca_kabuli_chr03	36031188	CC	TT	1940177578

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48182_36031453	NC_021162.1	Ca_kabuli_chr03	36031453	TT	GG	1940177586
SNP_P1_48183_36031511	NC_021162.1	Ca_kabuli_chr03	36031511	AA	GG	1940177587
SNP_P1_48184_36031559	NC_021162.1	Ca_kabuli_chr03	36031559	AA	GG	1940177590
SNP_P1_48185_36031952	NC_021162.1	Ca_kabuli_chr03	36031952	GG	TT	1940177592
SNP_P1_48186_36031967	NC_021162.1	Ca_kabuli_chr03	36031967	GG	AA	1940177594
SNP_P1_48187_36032108	NC_021162.1	Ca_kabuli_chr03	36032108	AA	TT	1940177596
SNP_P1_48188_36032356	NC_021162.1	Ca_kabuli_chr03	36032356	CC	TT	1940177598
SNP_P1_48190_36032413	NC_021162.1	Ca_kabuli_chr03	36032413	GG	TT	1940177600
SNP_P1_48191_36032460	NC_021162.1	Ca_kabuli_chr03	36032460	TT	CC	1940177602
SNP_P1_48192_36032472	NC_021162.1	Ca_kabuli_chr03	36032472	GG	AA	1940177605
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SNP_P1_48195_36032636	NC_021162.1	Ca_kabuli_chr03	36032636	AA	GG	1940177609
SNP_P1_48196_36032662	NC_021162.1	Ca_kabuli_chr03	36032662	CC	TT	1940177611
SNP_P1_48198_36032817	NC_021162.1	Ca_kabuli_chr03	36032817	AA	GG	1940177613
SNP_P1_48199_36033180	NC_021162.1	Ca_kabuli_chr03	36033180	CC	TT	1940177615
SNP_P1_48201_36033636	NC_021162.1	Ca_kabuli_chr03	36033636	TT	CC	1940177617
SNP_P1_48202_36035205	NC_021162.1	Ca_kabuli_chr03	36035205	AA	CC	1940177618
SNP_P1_48203_36035459	NC_021162.1	Ca_kabuli_chr03	36035459	AA	TT	1940177620
SNP_P1_48204_36035484	NC_021162.1	Ca_kabuli_chr03	36035484	AA	TT	1940177622
SNP_P1_48205_36035630	NC_021162.1	Ca_kabuli_chr03	36035630	AA	GG	1940177624
SNP_P1_48206_36036243	NC_021162.1	Ca_kabuli_chr03	36036243	GG	AA	1940177626
SNP_P1_48207_36036341	NC_021162.1	Ca_kabuli_chr03	36036341	AA	TT	1940177628
SNP_P1_48208_36036353	NC_021162.1	Ca_kabuli_chr03	36036353	AA	GG	1940177630
SNP_P1_48209_36036364	NC_021162.1	Ca_kabuli_chr03	36036364	AA	GG	1940177631
SNP_P1_48210_36037461	NC_021162.1	Ca_kabuli_chr03	36037461	AA	TT	1940177633
SNP_P1_48211_36038072	NC_021162.1	Ca_kabuli_chr03	36038072	TT	CC	1940177635
SNP_P1_48212_36039133	NC_021162.1	Ca_kabuli_chr03	36039133	CC	TT	1940177637
SNP_P1_48213_36040156	NC_021162.1	Ca_kabuli_chr03	36040156	GG	AA	1940177639
SNP_P1_48214_36040360	NC_021162.1	Ca_kabuli_chr03	36040360	GG	AA	1940177640
SNP_P1_48215_36040613	NC_021162.1	Ca_kabuli_chr03	36040613	TT	AA	1940177642
SNP_P1_48218_36041210	NC_021162.1	Ca_kabuli_chr03	36041210	TT	CC	1940177644
SNP_P1_48219_36041235	NC_021162.1	Ca_kabuli_chr03	36041235	TT	AA	1940177646
SNP_P1_48220_36041263	NC_021162.1	Ca_kabuli_chr03	36041263	CC	TT	1940177647
SNP_P1_48221_36041292	NC_021162.1	Ca_kabuli_chr03	36041292	CC	TT	1940177649
SNP_P1_48222_36041395	NC_021162.1	Ca_kabuli_chr03	36041395	AA	TT	1940177651
SNP_P1_48223_36041396	NC_021162.1	Ca_kabuli_chr03	36041396	AA	GG	1940177653
SNP_P1_48224_36042475	NC_021162.1	Ca_kabuli_chr03	36042475	GG	AA	1940177654
SNP_P1_48225_36042798	NC_021162.1	Ca_kabuli_chr03	36042798	TT	GG	1940177656
SNP_P1_48226_36042821	NC_021162.1	Ca_kabuli_chr03	36042821	TT	AA	1940177658
SNP_P1_48227_36042887	NC_021162.1	Ca_kabuli_chr03	36042887	TT	CC	1940177660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_48228_36042923	NC_021162.1	Ca_kabuli_chr03	36042923	GG	AA	1940177661
SNP_P1_48229_36042931	NC_021162.1	Ca_kabuli_chr03	36042931	AA	GG	1940177663
SNP_P1_48230_36042938	NC_021162.1	Ca_kabuli_chr03	36042938	AA	GG	1940177665
SNP_P1_48231_36042945	NC_021162.1	Ca_kabuli_chr03	36042945	CC	TT	1940177667
SNP_P1_48232_36042979	NC_021162.1	Ca_kabuli_chr03	36042979	CC	AA	1940177669
SNP_P1_48233_36042983	NC_021162.1	Ca_kabuli_chr03	36042983	GG	AA	1940177670
SNP_P1_48234_36042998	NC_021162.1	Ca_kabuli_chr03	36042998	AA	TT	1940177672
SNP_P1_48235_36043029	NC_021162.1	Ca_kabuli_chr03	36043029	CC	TT	1940177674
SNP_P1_48236_36043125	NC_021162.1	Ca_kabuli_chr03	36043125	GG	AA	1940177676
SNP_P1_48237_36043161	NC_021162.1	Ca_kabuli_chr03	36043161	AA	GG	1940177677
SNP_P1_48239_36043225	NC_021162.1	Ca_kabuli_chr03	36043225	CC	TT	1940177679
SNP_P1_48240_36043231	NC_021162.1	Ca_kabuli_chr03	36043231	TT	AA	1940177680
SNP_P1_48241_36043243	NC_021162.1	Ca_kabuli_chr03	36043243	GG	TT	1940177681
SNP_P1_48242_36043244	NC_021162.1	Ca_kabuli_chr03	36043244	GG	AA	1940177683
SNP_P1_48243_36043292	NC_021162.1	Ca_kabuli_chr03	36043292	CC	TT	1940177684
SNP_P1_48244_36043328	NC_021162.1	Ca_kabuli_chr03	36043328	GG	AA	1940177685
SNP_P1_48245_36043528	NC_021162.1	Ca_kabuli_chr03	36043528	GG	TT	1940177687
SNP_P1_48246_36043569	NC_021162.1	Ca_kabuli_chr03	36043569	TT	GG	1940177688
SNP_P1_48247_36043667	NC_021162.1	Ca_kabuli_chr03	36043667	GG	AA	1940177689
SNP_P1_48248_36043690	NC_021162.1	Ca_kabuli_chr03	36043690	CC	TT	1940177690
SNP_P1_48249_36043716	NC_021162.1	Ca_kabuli_chr03	36043716	CC	TT	1940177692
SNP_P1_48250_36043718	NC_021162.1	Ca_kabuli_chr03	36043718	GG	AA	1940177693
SNP_P1_48251_36043756	NC_021162.1	Ca_kabuli_chr03	36043756	TT	CC	1940177694
SNP_P1_48252_36043826	NC_021162.1	Ca_kabuli_chr03	36043826	TT	AA	1940177696
SNP_P1_48253_36043938	NC_021162.1	Ca_kabuli_chr03	36043938	TT	CC	1940177697
SNP_P1_48254_36043981	NC_021162.1	Ca_kabuli_chr03	36043981	AA	TT	1940177698
SNP_P1_48255_36043982	NC_021162.1	Ca_kabuli_chr03	36043982	TT	AA	1940177699
SNP_P1_48256_36044031	NC_021162.1	Ca_kabuli_chr03	36044031	AA	GG	1940177700
SNP_P1_48257_36044244	NC_021162.1	Ca_kabuli_chr03	36044244	AA	GG	1940177701
SNP_P1_48259_36044353	NC_021162.1	Ca_kabuli_chr03	36044353	GG	AA	1940177702
SNP_P1_48260_36044440	NC_021162.1	Ca_kabuli_chr03	36044440	AA	GG	1940177704
SNP_P1_48261_36044499	NC_021162.1	Ca_kabuli_chr03	36044499	AA	TT	1940177705
SNP_P1_48263_36044529	NC_021162.1	Ca_kabuli_chr03	36044529	CC	TT	1940177706
SNP_P1_48264_36045553	NC_021162.1	Ca_kabuli_chr03	36045553	TT	CC	1940177707
SNP_P1_48265_36045594	NC_021162.1	Ca_kabuli_chr03	36045594	GG	AA	1940177709
SNP_P1_48266_36045609	NC_021162.1	Ca_kabuli_chr03	36045609	AA	GG	1940177710
SNP_P1_48267_36045639	NC_021162.1	Ca_kabuli_chr03	36045639	CC	GG	1940177711
SNP_P1_48269_36046495	NC_021162.1	Ca_kabuli_chr03	36046495	AA	TT	1940177712
SNP_P1_48271_36049070	NC_021162.1	Ca_kabuli_chr03	36049070	AA	GG	1940177713
SNP_P1_48272_36051425	NC_021162.1	Ca_kabuli_chr03	36051425	TT	CC	1940177715
SNP_P1_48273_36051451	NC_021162.1	Ca_kabuli_chr03	36051451	AA	GG	1940177716
SNP_P1_48274_36051463	NC_021162.1	Ca_kabuli_chr03	36051463	AA	GG	1940177717

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48276_36051698	NC_021162.1	Ca_kabuli_chr03	36051698	AA	GG	1940177719
SNP_P1_48277_36051745	NC_021162.1	Ca_kabuli_chr03	36051745	AA	GG	1940177721
SNP_P1_48278_36051749	NC_021162.1	Ca_kabuli_chr03	36051749	AA	GG	1940177722
SNP_P1_48279_36051803	NC_021162.1	Ca_kabuli_chr03	36051803	AA	CC	1940177723
SNP_P1_48280_36051828	NC_021162.1	Ca_kabuli_chr03	36051828	CC	TT	1940177724
SNP_P1_48281_36051847	NC_021162.1	Ca_kabuli_chr03	36051847	GG	AA	1940177726
SNP_P1_48283_36051886	NC_021162.1	Ca_kabuli_chr03	36051886	AA	GG	1940177727
SNP_P1_48284_36052813	NC_021162.1	Ca_kabuli_chr03	36052813	AA	GG	1940177728
SNP_P1_48285_36052873	NC_021162.1	Ca_kabuli_chr03	36052873	GG	CC	1940177729
SNP_P1_48287_36053008	NC_021162.1	Ca_kabuli_chr03	36053008	AA	TT	1940177730
SNP_P1_48288_36053009	NC_021162.1	Ca_kabuli_chr03	36053009	GG	AA	1940177732
SNP_P1_48289_36053033	NC_021162.1	Ca_kabuli_chr03	36053033	AA	TT	1940177733
SNP_P1_48291_36053229	NC_021162.1	Ca_kabuli_chr03	36053229	GG	CC	1940177734
SNP_P1_48292_36053257	NC_021162.1	Ca_kabuli_chr03	36053257	TT	GG	1940177735
SNP_P1_48296_36053737	NC_021162.1	Ca_kabuli_chr03	36053737	GG	AA	1940177736
SNP_P1_48297_36054111	NC_021162.1	Ca_kabuli_chr03	36054111	TT	CC	1940177738
SNP_P1_48298_36054129	NC_021162.1	Ca_kabuli_chr03	36054129	AA	GG	1940177739
SNP_P1_48299_36054417	NC_021162.1	Ca_kabuli_chr03	36054417	GG	TT	1940177740
SNP_P1_48300_36055804	NC_021162.1	Ca_kabuli_chr03	36055804	AA	GG	1940177741
SNP_P1_48301_36055893	NC_021162.1	Ca_kabuli_chr03	36055893	CC	TT	1940177743
SNP_P1_48302_36056221	NC_021162.1	Ca_kabuli_chr03	36056221	TT	CC	1940177744
SNP_P1_48303_36056537	NC_021162.1	Ca_kabuli_chr03	36056537	CC	TT	1940177745
SNP_P1_48304_36056551	NC_021162.1	Ca_kabuli_chr03	36056551	CC	AA	1940177746
SNP_P1_48305_36056581	NC_021162.1	Ca_kabuli_chr03	36056581	AA	GG	1940177748
SNP_P1_48306_36056986	NC_021162.1	Ca_kabuli_chr03	36056986	CC	TT	1940177749
SNP_P1_48307_36060743	NC_021162.1	Ca_kabuli_chr03	36060743	TT	CC	1940177750
SNP_P1_48308_36061541	NC_021162.1	Ca_kabuli_chr03	36061541	GG	TT	1940177752
SNP_P1_48309_36061953	NC_021162.1	Ca_kabuli_chr03	36061953	AA	GG	1940177753
SNP_P1_48310_36062440	NC_021162.1	Ca_kabuli_chr03	36062440	CC	AA	1940177754
SNP_P1_48311_36063984	NC_021162.1	Ca_kabuli_chr03	36063984	GG	AA	1940177755
SNP_P1_48312_36064131	NC_021162.1	Ca_kabuli_chr03	36064131	TT	CC	1940177756
SNP_P1_48313_36064797	NC_021162.1	Ca_kabuli_chr03	36064797	TT	CC	1940177757
SNP_P1_48314_36065341	NC_021162.1	Ca_kabuli_chr03	36065341	AA	GG	1940177758
SNP_P1_48315_36066172	NC_021162.1	Ca_kabuli_chr03	36066172	TT	AA	1940177760
SNP_P1_48316_36066173	NC_021162.1	Ca_kabuli_chr03	36066173	AA	GG	1940177761
SNP_P1_48317_36066180	NC_021162.1	Ca_kabuli_chr03	36066180	TT	CC	1940177762
SNP_P1_48318_36067151	NC_021162.1	Ca_kabuli_chr03	36067151	AA	GG	1940177763
SNP_P1_48319_36067893	NC_021162.1	Ca_kabuli_chr03	36067893	GG	AA	1940177764
SNP_P1_48320_36067972	NC_021162.1	Ca_kabuli_chr03	36067972	AA	GG	1940177765
SNP_P1_48321_36067975	NC_021162.1	Ca_kabuli_chr03	36067975	GG	CC	1940177766
SNP_P1_48322_36068063	NC_021162.1	Ca_kabuli_chr03	36068063	TT	CC	1940177768

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48324_36073239	NC_021162.1	Ca_kabuli_chr03	36073239	GG	AA	1940177770
SNP_P1_48326_36073385	NC_021162.1	Ca_kabuli_chr03	36073385	GG	AA	1940177771
SNP_P1_48327_36073595	NC_021162.1	Ca_kabuli_chr03	36073595	TT	AA	1940177772
SNP_P1_48328_36074170	NC_021162.1	Ca_kabuli_chr03	36074170	AA	GG	1940177774
SNP_P1_48329_36074189	NC_021162.1	Ca_kabuli_chr03	36074189	CC	TT	1940177775
SNP_P1_48330_36074274	NC_021162.1	Ca_kabuli_chr03	36074274	TT	CC	1940177776
SNP_P1_48331_36074420	NC_021162.1	Ca_kabuli_chr03	36074420	TT	CC	1940177777
SNP_P1_48332_36074914	NC_021162.1	Ca_kabuli_chr03	36074914	TT	GG	1940177779
SNP_P1_48334_36076102	NC_021162.1	Ca_kabuli_chr03	36076102	TT	CC	1940177780
SNP_P1_48335_36076207	NC_021162.1	Ca_kabuli_chr03	36076207	AA	GG	1940177781
SNP_P1_48336_36076250	NC_021162.1	Ca_kabuli_chr03	36076250	CC	GG	1940177783
SNP_P1_48337_36076475	NC_021162.1	Ca_kabuli_chr03	36076475	TT	GG	1940177784
SNP_P1_48339_36076765	NC_021162.1	Ca_kabuli_chr03	36076765	TT	CC	1940177785
SNP_P1_48340_36078391	NC_021162.1	Ca_kabuli_chr03	36078391	AA	TT	1940177786
SNP_P1_48341_36078632	NC_021162.1	Ca_kabuli_chr03	36078632	TT	AA	1940177787
SNP_P1_48342_36079237	NC_021162.1	Ca_kabuli_chr03	36079237	TT	GG	1940177789
SNP_P1_48343_36081375	NC_021162.1	Ca_kabuli_chr03	36081375	CC	TT	1940177790
SNP_P1_48344_36083618	NC_021162.1	Ca_kabuli_chr03	36083618	TT	CC	1940177791
SNP_P1_48345_36085364	NC_021162.1	Ca_kabuli_chr03	36085364	TT	CC	1940177792
SNP_P1_48346_36085372	NC_021162.1	Ca_kabuli_chr03	36085372	CC	AA	1940177794
SNP_P1_48347_36085550	NC_021162.1	Ca_kabuli_chr03	36085550	CC	TT	1940177795
SNP_P1_48348_36085723	NC_021162.1	Ca_kabuli_chr03	36085723	GG	AA	1940177796
SNP_P1_48349_36086100	NC_021162.1	Ca_kabuli_chr03	36086100	GG	AA	1940177797
SNP_P1_48351_36086700	NC_021162.1	Ca_kabuli_chr03	36086700	CC	TT	1940177798
SNP_P1_48353_36087009	NC_021162.1	Ca_kabuli_chr03	36087009	AA	GG	1940177799
SNP_P1_48354_36087416	NC_021162.1	Ca_kabuli_chr03	36087416	AA	GG	1940177800
SNP_P1_48356_36088853	NC_021162.1	Ca_kabuli_chr03	36088853	TT	CC	1940177801
SNP_P1_48357_36089027	NC_021162.1	Ca_kabuli_chr03	36089027	GG	AA	1940177803
SNP_P1_48359_36089481	NC_021162.1	Ca_kabuli_chr03	36089481	AA	GG	1940177804
SNP_P1_48360_36089501	NC_021162.1	Ca_kabuli_chr03	36089501	CC	AA	1940177805
SNP_P1_48361_36089726	NC_021162.1	Ca_kabuli_chr03	36089726	GG	AA	1940177806
SNP_P1_48363_36089775	NC_021162.1	Ca_kabuli_chr03	36089775	CC	GG	1940177807
SNP_P1_48364_36089807	NC_021162.1	Ca_kabuli_chr03	36089807	CC	TT	1940177808
SNP_P1_48365_36089812	NC_021162.1	Ca_kabuli_chr03	36089812	CC	TT	1940177809
SNP_P1_48367_36089837	NC_021162.1	Ca_kabuli_chr03	36089837	AA	CC	1940177810
SNP_P1_48368_36090038	NC_021162.1	Ca_kabuli_chr03	36090038	AA	GG	1940177811
SNP_P1_48369_36090068	NC_021162.1	Ca_kabuli_chr03	36090068	CC	TT	1940177813
SNP_P1_48370_36090069	NC_021162.1	Ca_kabuli_chr03	36090069	CC	TT	1940177814
SNP_P1_48371_36090115	NC_021162.1	Ca_kabuli_chr03	36090115	TT	CC	1940177815
SNP_P1_48372_36090118	NC_021162.1	Ca_kabuli_chr03	36090118	AA	GG	1940177816
SNP_P1_48374_36090771	NC_021162.1	Ca_kabuli_chr03	36090771	AA	GG	1940177817

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48377_36090810	NC_021162.1	Ca_kabuli_chr03	36090810	AA	TT	1940177820
SNP_P1_48378_36090827	NC_021162.1	Ca_kabuli_chr03	36090827	TT	CC	1940177821
SNP_P1_48379_36090936	NC_021162.1	Ca_kabuli_chr03	36090936	AA	GG	1940177822
SNP_P1_48380_36090945	NC_021162.1	Ca_kabuli_chr03	36090945	CC	TT	1940177823
SNP_P1_48381_36090986	NC_021162.1	Ca_kabuli_chr03	36090986	AA	CC	1940177825
SNP_P1_48382_36091903	NC_021162.1	Ca_kabuli_chr03	36091903	GG	AA	1940177826
SNP_P1_48383_36092024	NC_021162.1	Ca_kabuli_chr03	36092024	AA	GG	1940177827
SNP_P1_48385_36092199	NC_021162.1	Ca_kabuli_chr03	36092199	CC	TT	1940177828
SNP_P1_48386_36096290	NC_021162.1	Ca_kabuli_chr03	36096290	AA	TT	1940177829
SNP_P1_48387_36096319	NC_021162.1	Ca_kabuli_chr03	36096319	AA	TT	1940177831
SNP_P1_48388_36096458	NC_021162.1	Ca_kabuli_chr03	36096458	TT	GG	1940177832
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SNP_P1_48391_36096632	NC_021162.1	Ca_kabuli_chr03	36096632	GG	AA	1940177834
SNP_P1_48392_36096639	NC_021162.1	Ca_kabuli_chr03	36096639	CC	TT	1940177835
SNP_P1_48393_36096648	NC_021162.1	Ca_kabuli_chr03	36096648	TT	CC	1940177837
SNP_P1_48394_36096675	NC_021162.1	Ca_kabuli_chr03	36096675	CC	GG	1940177838
SNP_P1_48395_36096719	NC_021162.1	Ca_kabuli_chr03	36096719	GG	CC	1940177839
SNP_P1_48396_36097284	NC_021162.1	Ca_kabuli_chr03	36097284	AA	GG	1940177840
SNP_P1_48397_36097371	NC_021162.1	Ca_kabuli_chr03	36097371	CC	GG	1940177841
SNP_P1_48398_36097382	NC_021162.1	Ca_kabuli_chr03	36097382	TT	AA	1940177843
SNP_P1_48399_36097642	NC_021162.1	Ca_kabuli_chr03	36097642	AA	CC	1940177844
SNP_P1_48400_36098645	NC_021162.1	Ca_kabuli_chr03	36098645	GG	AA	1940177845
SNP_P1_48402_36098787	NC_021162.1	Ca_kabuli_chr03	36098787	CC	GG	1940177846
SNP_P1_48403_36098818	NC_021162.1	Ca_kabuli_chr03	36098818	CC	TT	1940177847
SNP_P1_48404_36098854	NC_021162.1	Ca_kabuli_chr03	36098854	CC	AA	1940177849
SNP_P1_48405_36098882	NC_021162.1	Ca_kabuli_chr03	36098882	AA	GG	1940177850
SNP_P1_48406_36099089	NC_021162.1	Ca_kabuli_chr03	36099089	CC	GG	1940177851
SNP_P1_48407_36099340	NC_021162.1	Ca_kabuli_chr03	36099340	AA	TT	1940177852
SNP_P1_48408_36099569	NC_021162.1	Ca_kabuli_chr03	36099569	TT	GG	1940177853
SNP_P1_48409_36099573	NC_021162.1	Ca_kabuli_chr03	36099573	TT	CC	1940177854
SNP_P1_48412_36101081	NC_021162.1	Ca_kabuli_chr03	36101081	AA	CC	1940177855
SNP_P1_48413_36101113	NC_021162.1	Ca_kabuli_chr03	36101113	GG	AA	1940177856
SNP_P1_48414_36102108	NC_021162.1	Ca_kabuli_chr03	36102108	TT	AA	1940177858
SNP_P1_48416_36102214	NC_021162.1	Ca_kabuli_chr03	36102214	GG	AA	1940177859
SNP_P1_48417_36102322	NC_021162.1	Ca_kabuli_chr03	36102322	CC	GG	1940177860
SNP_P1_48419_36102471	NC_021162.1	Ca_kabuli_chr03	36102471	CC	TT	1940177861
SNP_P1_48420_36102486	NC_021162.1	Ca_kabuli_chr03	36102486	TT	AA	1940177862
SNP_P1_48421_36102492	NC_021162.1	Ca_kabuli_chr03	36102492	AA	TT	1940177863
SNP_P1_48422_36102496	NC_021162.1	Ca_kabuli_chr03	36102496	TT	CC	1940177864
SNP_P1_48424_36104101	NC_021162.1	Ca_kabuli_chr03	36104101	CC	GG	1940177865
SNP_P1_48425_36104829	NC_021162.1	Ca_kabuli_chr03	36104829	TT	GG	1940177867

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48427_36105881	NC_021162.1	Ca_kabuli_chr03	36105881	GG	AA	1940177869
SNP_P1_48428_36105898	NC_021162.1	Ca_kabuli_chr03	36105898	CC	TT	1940177870
SNP_P1_48429_36105920	NC_021162.1	Ca_kabuli_chr03	36105920	CC	TT	1940177871
SNP_P1_48430_36105921	NC_021162.1	Ca_kabuli_chr03	36105921	AA	GG	1940177872
SNP_P1_48431_36107849	NC_021162.1	Ca_kabuli_chr03	36107849	CC	TT	1940177873
SNP_P1_48433_36108125	NC_021162.1	Ca_kabuli_chr03	36108125	GG	AA	1940177874
SNP_P1_48435_36108263	NC_021162.1	Ca_kabuli_chr03	36108263	GG	AA	1940177876
SNP_P1_48436_36108270	NC_021162.1	Ca_kabuli_chr03	36108270	TT	CC	1940177877
SNP_P1_48437_36108306	NC_021162.1	Ca_kabuli_chr03	36108306	GG	CC	1940177878
SNP_P1_48439_36108331	NC_021162.1	Ca_kabuli_chr03	36108331	TT	CC	1940177880
SNP_P1_48440_36108615	NC_021162.1	Ca_kabuli_chr03	36108615	AA	CC	1940177881
SNP_P1_48441_36108875	NC_021162.1	Ca_kabuli_chr03	36108875	AA	TT	1940177882
SNP_P1_48442_36108956	NC_021162.1	Ca_kabuli_chr03	36108956	AA	CC	1940177884
SNP_P1_48446_36109414	NC_021162.1	Ca_kabuli_chr03	36109414	TT	CC	1940177885
SNP_P1_48447_36109424	NC_021162.1	Ca_kabuli_chr03	36109424	CC	TT	1940177886
SNP_P1_48448_36109432	NC_021162.1	Ca_kabuli_chr03	36109432	AA	TT	1940177888
SNP_P1_48449_36109471	NC_021162.1	Ca_kabuli_chr03	36109471	AA	TT	1940177889
SNP_P1_48450_36109509	NC_021162.1	Ca_kabuli_chr03	36109509	CC	TT	1940177890
SNP_P1_48451_36109513	NC_021162.1	Ca_kabuli_chr03	36109513	GG	TT	1940177892
SNP_P1_48452_36109744	NC_021162.1	Ca_kabuli_chr03	36109744	AA	TT	1940177893
SNP_P1_48453_36109747	NC_021162.1	Ca_kabuli_chr03	36109747	GG	AA	1940177895
SNP_P1_48454_36110742	NC_021162.1	Ca_kabuli_chr03	36110742	TT	CC	1940177896
SNP_P1_48455_36110793	NC_021162.1	Ca_kabuli_chr03	36110793	TT	CC	1940177897
SNP_P1_48456_36110937	NC_021162.1	Ca_kabuli_chr03	36110937	AA	CC	1940177899
SNP_P1_48457_36111061	NC_021162.1	Ca_kabuli_chr03	36111061	TT	CC	1940177900
SNP_P1_48458_36111263	NC_021162.1	Ca_kabuli_chr03	36111263	TT	AA	1940177901
SNP_P1_48459_36111277	NC_021162.1	Ca_kabuli_chr03	36111277	AA	TT	1940177902
SNP_P1_48461_36111817	NC_021162.1	Ca_kabuli_chr03	36111817	AA	TT	1940177903
SNP_P1_48462_36111819	NC_021162.1	Ca_kabuli_chr03	36111819	TT	AA	1940177904
SNP_P1_48463_36111889	NC_021162.1	Ca_kabuli_chr03	36111889	AA	TT	1940177906
SNP_P1_48464_36112008	NC_021162.1	Ca_kabuli_chr03	36112008	TT	CC	1940177907
SNP_P1_48465_36112306	NC_021162.1	Ca_kabuli_chr03	36112306	CC	TT	1940177908
SNP_P1_48466_36112320	NC_021162.1	Ca_kabuli_chr03	36112320	TT	CC	1940177909
SNP_P1_48467_36112475	NC_021162.1	Ca_kabuli_chr03	36112475	GG	AA	1940177911
SNP_P1_48468_36112950	NC_021162.1	Ca_kabuli_chr03	36112950	CC	TT	1940177912
SNP_P1_48469_36113316	NC_021162.1	Ca_kabuli_chr03	36113316	GG	CC	1940177913
SNP_P1_48470_36113626	NC_021162.1	Ca_kabuli_chr03	36113626	TT	CC	1940177915
SNP_P1_48471_36113642	NC_021162.1	Ca_kabuli_chr03	36113642	CC	TT	1940177916
SNP_P1_48473_36114132	NC_021162.1	Ca_kabuli_chr03	36114132	TT	CC	1940177917
SNP_P1_48474_36114135	NC_021162.1	Ca_kabuli_chr03	36114135	CC	TT	1940177919
SNP_P1_48476_36114530	NC_021162.1	Ca_kabuli_chr03	36114530	CC	AA	1940177920

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48479_36114956	NC_021162.1	Ca_kabuli_chr03	36114956	AA	GG	1940177923
SNP_P1_48480_36115945	NC_021162.1	Ca_kabuli_chr03	36115945	CC	GG	1940177924
SNP_P1_48481_36116141	NC_021162.1	Ca_kabuli_chr03	36116141	AA	GG	1940177925
SNP_P1_48482_36116181	NC_021162.1	Ca_kabuli_chr03	36116181	GG	AA	1940177927
SNP_P1_48483_36116405	NC_021162.1	Ca_kabuli_chr03	36116405	AA	CC	1940177928
SNP_P1_48484_36117808	NC_021162.1	Ca_kabuli_chr03	36117808	GG	TT	1940177929
SNP_P1_48485_36118156	NC_021162.1	Ca_kabuli_chr03	36118156	CC	TT	1940177931
SNP_P1_48486_36119592	NC_021162.1	Ca_kabuli_chr03	36119592	TT	CC	1940177932
SNP_P1_48487_36119602	NC_021162.1	Ca_kabuli_chr03	36119602	CC	AA	1940177933
SNP_P1_48489_36120263	NC_021162.1	Ca_kabuli_chr03	36120263	GG	TT	1940177935
SNP_P1_48490_36120271	NC_021162.1	Ca_kabuli_chr03	36120271	AA	GG	1940177936
SNP_P1_48492_36120523	NC_021162.1	Ca_kabuli_chr03	36120523	GG	AA	1940177937
SNP_P1_48493_36120701	NC_021162.1	Ca_kabuli_chr03	36120701	TT	GG	1940177939
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SNP_P1_48496_36120860	NC_021162.1	Ca_kabuli_chr03	36120860	TT	AA	1940177941
SNP_P1_48497_36121361	NC_021162.1	Ca_kabuli_chr03	36121361	CC	AA	1940177943
SNP_P1_48498_36121415	NC_021162.1	Ca_kabuli_chr03	36121415	TT	AA	1940177944
SNP_P1_48499_36123240	NC_021162.1	Ca_kabuli_chr03	36123240	AA	GG	1940177945
SNP_P1_48501_36123378	NC_021162.1	Ca_kabuli_chr03	36123378	TT	CC	1940177947
SNP_P1_48502_36123381	NC_021162.1	Ca_kabuli_chr03	36123381	GG	AA	1940177948
SNP_P1_48503_36123516	NC_021162.1	Ca_kabuli_chr03	36123516	GG	AA	1940177949
SNP_P1_48504_36123528	NC_021162.1	Ca_kabuli_chr03	36123528	AA	GG	1940177951
SNP_P1_48505_36123581	NC_021162.1	Ca_kabuli_chr03	36123581	GG	AA	1940177952
SNP_P1_48506_36123600	NC_021162.1	Ca_kabuli_chr03	36123600	CC	TT	1940177953
SNP_P1_48507_36123626	NC_021162.1	Ca_kabuli_chr03	36123626	GG	AA	1940177955
SNP_P1_48508_36124334	NC_021162.1	Ca_kabuli_chr03	36124334	AA	TT	1940177956
SNP_P1_48509_36124338	NC_021162.1	Ca_kabuli_chr03	36124338	CC	TT	1940177957
SNP_P1_48510_36124829	NC_021162.1	Ca_kabuli_chr03	36124829	CC	TT	1940177959
SNP_P1_48511_36124972	NC_021162.1	Ca_kabuli_chr03	36124972	CC	TT	1940177960
SNP_P1_48512_36125171	NC_021162.1	Ca_kabuli_chr03	36125171	TT	AA	1940177961
SNP_P1_48513_36125255	NC_021162.1	Ca_kabuli_chr03	36125255	AA	TT	1940177963
SNP_P1_48514_36125395	NC_021162.1	Ca_kabuli_chr03	36125395	GG	AA	1940177964
SNP_P1_48515_36126154	NC_021162.1	Ca_kabuli_chr03	36126154	CC	GG	1940177965
SNP_P1_48517_36126658	NC_021162.1	Ca_kabuli_chr03	36126658	TT	CC	1940177967
SNP_P1_48518_36126832	NC_021162.1	Ca_kabuli_chr03	36126832	TT	AA	1940177968
SNP_P1_48519_36127148	NC_021162.1	Ca_kabuli_chr03	36127148	AA	GG	1940177969
SNP_P1_48520_36127174	NC_021162.1	Ca_kabuli_chr03	36127174	TT	CC	1940177971
SNP_P1_48522_36128932	NC_021162.1	Ca_kabuli_chr03	36128932	AA	GG	1940177972
SNP_P1_48523_36129257	NC_021162.1	Ca_kabuli_chr03	36129257	CC	TT	1940177973
SNP_P1_48524_36129288	NC_021162.1	Ca_kabuli_chr03	36129288	GG	AA	1940177974
SNP_P1_48525_36129335	NC_021162.1	Ca_kabuli_chr03	36129335	TT	CC	1940177976

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48527_36129555	NC_021162.1	Ca_kabuli_chr03	36129555	TT	CC	1940177978
SNP_P1_48528_36129592	NC_021162.1	Ca_kabuli_chr03	36129592	TT	AA	1940177980
SNP_P1_48529_36129612	NC_021162.1	Ca_kabuli_chr03	36129612	CC	TT	1940177981
SNP_P1_48530_36129641	NC_021162.1	Ca_kabuli_chr03	36129641	TT	CC	1940177982
SNP_P1_48532_36129711	NC_021162.1	Ca_kabuli_chr03	36129711	TT	CC	1940177984
SNP_P1_48533_36129760	NC_021162.1	Ca_kabuli_chr03	36129760	CC	TT	1940177985
SNP_P1_48534_36129763	NC_021162.1	Ca_kabuli_chr03	36129763	TT	AA	1940177986
SNP_P1_48536_36129838	NC_021162.1	Ca_kabuli_chr03	36129838	AA	TT	1940177988
SNP_P1_48537_36131086	NC_021162.1	Ca_kabuli_chr03	36131086	AA	GG	1940177989
SNP_P1_48538_36131640	NC_021162.1	Ca_kabuli_chr03	36131640	AA	GG	1940177990
SNP_P1_48539_36131863	NC_021162.1	Ca_kabuli_chr03	36131863	AA	GG	1940177992
SNP_P1_48540_36132071	NC_021162.1	Ca_kabuli_chr03	36132071	AA	GG	1940177993
SNP_P1_48541_36132172	NC_021162.1	Ca_kabuli_chr03	36132172	AA	CC	1940177994
SNP_P1_48542_36132235	NC_021162.1	Ca_kabuli_chr03	36132235	CC	TT	1940177996
SNP_P1_48543_36132570	NC_021162.1	Ca_kabuli_chr03	36132570	GG	AA	1940177997
SNP_P1_48546_36133078	NC_021162.1	Ca_kabuli_chr03	36133078	CC	TT	1940177998
SNP_P1_48547_36133091	NC_021162.1	Ca_kabuli_chr03	36133091	TT	CC	1940178000
SNP_P1_48549_36133195	NC_021162.1	Ca_kabuli_chr03	36133195	TT	CC	1940178001
SNP_P1_48550_36133501	NC_021162.1	Ca_kabuli_chr03	36133501	AA	GG	1940178002
SNP_P1_48551_36133521	NC_021162.1	Ca_kabuli_chr03	36133521	GG	AA	1940178004
SNP_P1_48552_36134072	NC_021162.1	Ca_kabuli_chr03	36134072	AA	GG	1940178005
SNP_P1_48553_36134084	NC_021162.1	Ca_kabuli_chr03	36134084	CC	AA	1940178006
SNP_P1_48554_36134129	NC_021162.1	Ca_kabuli_chr03	36134129	AA	GG	1940178008
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SNP_P1_48558_36135383	NC_021162.1	Ca_kabuli_chr03	36135383	CC	AA	1940178012
SNP_P1_48559_36135407	NC_021162.1	Ca_kabuli_chr03	36135407	TT	GG	1940178013
SNP_P1_48560_36135433	NC_021162.1	Ca_kabuli_chr03	36135433	AA	TT	1940178014
SNP_P1_48561_36135479	NC_021162.1	Ca_kabuli_chr03	36135479	AA	GG	1940178016
SNP_P1_48563_36136045	NC_021162.1	Ca_kabuli_chr03	36136045	AA	CC	1940178017
SNP_P1_48564_36136415	NC_021162.1	Ca_kabuli_chr03	36136415	GG	TT	1940178018
SNP_P1_48565_36136426	NC_021162.1	Ca_kabuli_chr03	36136426	AA	GG	1940178020
SNP_P1_48566_36136493	NC_021162.1	Ca_kabuli_chr03	36136493	TT	GG	1940178021
SNP_P1_48567_36136506	NC_021162.1	Ca_kabuli_chr03	36136506	TT	CC	1940178022
SNP_P1_48569_36136597	NC_021162.1	Ca_kabuli_chr03	36136597	CC	GG	1940178024
SNP_P1_48570_36136730	NC_021162.1	Ca_kabuli_chr03	36136730	GG	AA	1940178025
SNP_P1_48573_36137372	NC_021162.1	Ca_kabuli_chr03	36137372	TT	GG	1940178026
SNP_P1_48574_36137380	NC_021162.1	Ca_kabuli_chr03	36137380	AA	GG	1940178028
SNP_P1_48575_36137387	NC_021162.1	Ca_kabuli_chr03	36137387	AA	TT	1940178029
SNP_P1_48577_36138210	NC_021162.1	Ca_kabuli_chr03	36138210	TT	CC	1940178030
SNP_P1_48578_36138298	NC_021162.1	Ca_kabuli_chr03	36138298	GG	CC	1940178032

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48580_36138544	NC_021162.1	Ca_kabuli_chr03	36138544	TT	GG	1940178034
SNP_P1_48581_36138753	NC_021162.1	Ca_kabuli_chr03	36138753	TT	CC	1940178036
SNP_P1_48582_36138769	NC_021162.1	Ca_kabuli_chr03	36138769	GG	AA	1940178037
SNP_P1_48584_36139015	NC_021162.1	Ca_kabuli_chr03	36139015	AA	GG	1940178038
SNP_P1_48586_36139543	NC_021162.1	Ca_kabuli_chr03	36139543	AA	GG	1940178040
SNP_P1_48587_36139552	NC_021162.1	Ca_kabuli_chr03	36139552	TT	AA	1940178041
SNP_P1_48588_36139557	NC_021162.1	Ca_kabuli_chr03	36139557	CC	TT	1940178042
SNP_P1_48589_36139720	NC_021162.1	Ca_kabuli_chr03	36139720	GG	CC	1940178043
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SNP_P1_48593_36140185	NC_021162.1	Ca_kabuli_chr03	36140185	CC	GG	1940178046
SNP_P1_48594_36140194	NC_021162.1	Ca_kabuli_chr03	36140194	TT	CC	1940178047
SNP_P1_48595_36140401	NC_021162.1	Ca_kabuli_chr03	36140401	AA	TT	1940178049
SNP_P1_48596_36141172	NC_021162.1	Ca_kabuli_chr03	36141172	GG	AA	1940178051
SNP_P1_48597_36141250	NC_021162.1	Ca_kabuli_chr03	36141250	AA	CC	1940178052
SNP_P1_48598_36141292	NC_021162.1	Ca_kabuli_chr03	36141292	GG	AA	1940178053
SNP_P1_48599_36144528	NC_021162.1	Ca_kabuli_chr03	36144528	TT	AA	1940178055
SNP_P1_48601_36144601	NC_021162.1	Ca_kabuli_chr03	36144601	GG	AA	1940178056
SNP_P1_48602_36144852	NC_021162.1	Ca_kabuli_chr03	36144852	AA	CC	1940178057
SNP_P1_48603_36144918	NC_021162.1	Ca_kabuli_chr03	36144918	TT	CC	1940178059
SNP_P1_48604_36145259	NC_021162.1	Ca_kabuli_chr03	36145259	AA	GG	1940178060
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SNP_P1_48606_36147595	NC_021162.1	Ca_kabuli_chr03	36147595	CC	TT	1940178062
SNP_P1_48607_36147605	NC_021162.1	Ca_kabuli_chr03	36147605	TT	CC	1940178064
SNP_P1_48608_36147999	NC_021162.1	Ca_kabuli_chr03	36147999	AA	TT	1940178065
SNP_P1_48609_36148402	NC_021162.1	Ca_kabuli_chr03	36148402	CC	TT	1940178066
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SNP_P1_48612_36148934	NC_021162.1	Ca_kabuli_chr03	36148934	AA	TT	1940178069
SNP_P1_48613_36148956	NC_021162.1	Ca_kabuli_chr03	36148956	TT	CC	1940178070
SNP_P1_48615_36151754	NC_021162.1	Ca_kabuli_chr03	36151754	GG	AA	1940178072
SNP_P1_48616_36151963	NC_021162.1	Ca_kabuli_chr03	36151963	AA	TT	1940178073
SNP_P1_48617_36151979	NC_021162.1	Ca_kabuli_chr03	36151979	TT	CC	1940178074
SNP_P1_48618_36153169	NC_021162.1	Ca_kabuli_chr03	36153169	GG	CC	1940178076
SNP_P1_48619_36153178	NC_021162.1	Ca_kabuli_chr03	36153178	CC	TT	1940178077
SNP_P1_48620_36153377	NC_021162.1	Ca_kabuli_chr03	36153377	TT	AA	1940178078
SNP_P1_48621_36153502	NC_021162.1	Ca_kabuli_chr03	36153502	TT	CC	1940178080
SNP_P1_48622_36153520	NC_021162.1	Ca_kabuli_chr03	36153520	TT	AA	1940178081
SNP_P1_48623_36153820	NC_021162.1	Ca_kabuli_chr03	36153820	CC	TT	1940178082
SNP_P1_48624_36153916	NC_021162.1	Ca_kabuli_chr03	36153916	AA	TT	1940178084
SNP_P1_48625_36154039	NC_021162.1	Ca_kabuli_chr03	36154039	GG	TT	1940178085
SNP_P1_48626_36154040	NC_021162.1	Ca_kabuli_chr03	36154040	GG	AA	1940178086
SNP_P1_48628_36154131	NC_021162.1	Ca_kabuli_chr03	36154131	CC	AA	1940178088

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48631_36154881	NC_021162.1	Ca_kabuli_chr03	36154881	CC	GG	1940178092
SNP_P1_48632_36154907	NC_021162.1	Ca_kabuli_chr03	36154907	GG	CC	1940178093
SNP_P1_48633_36156014	NC_021162.1	Ca_kabuli_chr03	36156014	GG	AA	1940178094
SNP_P1_48634_36156048	NC_021162.1	Ca_kabuli_chr03	36156048	CC	AA	1940178096
SNP_P1_48635_36156453	NC_021162.1	Ca_kabuli_chr03	36156453	CC	TT	1940178097
SNP_P1_48637_36158438	NC_021162.1	Ca_kabuli_chr03	36158438	GG	CC	1940178098
SNP_P1_48638_36158586	NC_021162.1	Ca_kabuli_chr03	36158586	CC	AA	1940178100
SNP_P1_48639_36158864	NC_021162.1	Ca_kabuli_chr03	36158864	GG	TT	1940178101
SNP_P1_48640_36158877	NC_021162.1	Ca_kabuli_chr03	36158877	TT	AA	1940178102
SNP_P1_48641_36158912	NC_021162.1	Ca_kabuli_chr03	36158912	AA	GG	1940178104
SNP_P1_48643_36159139	NC_021162.1	Ca_kabuli_chr03	36159139	CC	AA	1940178105
SNP_P1_48644_36159469	NC_021162.1	Ca_kabuli_chr03	36159469	AA	CC	1940178106
SNP_P1_48645_36159490	NC_021162.1	Ca_kabuli_chr03	36159490	CC	AA	1940178108
SNP_P1_48646_36159517	NC_021162.1	Ca_kabuli_chr03	36159517	TT	AA	1940178109
SNP_P1_48647_36159522	NC_021162.1	Ca_kabuli_chr03	36159522	TT	AA	1940178110
SNP_P1_48648_36159562	NC_021162.1	Ca_kabuli_chr03	36159562	GG	AA	1940178112
SNP_P1_48649_36160014	NC_021162.1	Ca_kabuli_chr03	36160014	AA	GG	1940178113
SNP_P1_48650_36162343	NC_021162.1	Ca_kabuli_chr03	36162343	TT	CC	1940178114
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SNP_P1_48652_36162396	NC_021162.1	Ca_kabuli_chr03	36162396	TT	CC	1940178117
SNP_P1_48653_36162402	NC_021162.1	Ca_kabuli_chr03	36162402	TT	GG	1940178118
SNP_P1_48654_36162425	NC_021162.1	Ca_kabuli_chr03	36162425	GG	AA	1940178120
SNP_P1_48655_36162463	NC_021162.1	Ca_kabuli_chr03	36162463	CC	TT	1940178121
SNP_P1_48656_36162483	NC_021162.1	Ca_kabuli_chr03	36162483	TT	CC	1940178122
SNP_P1_48657_36162609	NC_021162.1	Ca_kabuli_chr03	36162609	AA	GG	1940178124
SNP_P1_48658_36163242	NC_021162.1	Ca_kabuli_chr03	36163242	AA	GG	1940178125
SNP_P1_48659_36163334	NC_021162.1	Ca_kabuli_chr03	36163334	GG	TT	1940178126
SNP_P1_48660_36163354	NC_021162.1	Ca_kabuli_chr03	36163354	TT	GG	1940178128
SNP_P1_48661_36163407	NC_021162.1	Ca_kabuli_chr03	36163407	AA	CC	1940178129
SNP_P1_48662_36163415	NC_021162.1	Ca_kabuli_chr03	36163415	AA	GG	1940178130
SNP_P1_48663_36163420	NC_021162.1	Ca_kabuli_chr03	36163420	TT	GG	1940178132
SNP_P1_48664_36163532	NC_021162.1	Ca_kabuli_chr03	36163532	CC	TT	1940178133
SNP_P1_48665_36163561	NC_021162.1	Ca_kabuli_chr03	36163561	TT	CC	1940178134
SNP_P1_48666_36163564	NC_021162.1	Ca_kabuli_chr03	36163564	TT	CC	1940178136
SNP_P1_48667_36163591	NC_021162.1	Ca_kabuli_chr03	36163591	GG	AA	1940178137
SNP_P1_48668_36163610	NC_021162.1	Ca_kabuli_chr03	36163610	TT	CC	1940178138
SNP_P1_48669_36163612	NC_021162.1	Ca_kabuli_chr03	36163612	CC	TT	1940178140
SNP_P1_48670_36163753	NC_021162.1	Ca_kabuli_chr03	36163753	AA	GG	1940178141
SNP_P1_48673_36166016	NC_021162.1	Ca_kabuli_chr03	36166016	TT	CC	1940178142
SNP_P1_48674_36167701	NC_021162.1	Ca_kabuli_chr03	36167701	AA	GG	1940178144

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48679_36169925	NC_021162.1	Ca_kabuli_chr03	36169925	CC	GG	1940178146
SNP_P1_48680_36170061	NC_021162.1	Ca_kabuli_chr03	36170061	AA	TT	1940178148
SNP_P1_48681_36170580	NC_021162.1	Ca_kabuli_chr03	36170580	CC	TT	1940178149
SNP_P1_48682_36170893	NC_021162.1	Ca_kabuli_chr03	36170893	CC	AA	1940178150
SNP_P1_48683_36170918	NC_021162.1	Ca_kabuli_chr03	36170918	TT	GG	1940178152
SNP_P1_48684_36171209	NC_021162.1	Ca_kabuli_chr03	36171209	TT	CC	1940178153
SNP_P1_48685_36172202	NC_021162.1	Ca_kabuli_chr03	36172202	TT	AA	1940178154
SNP_P1_48686_36172224	NC_021162.1	Ca_kabuli_chr03	36172224	AA	CC	1940178156
SNP_P1_48687_36173706	NC_021162.1	Ca_kabuli_chr03	36173706	AA	GG	1940178157
SNP_P1_48688_36173744	NC_021162.1	Ca_kabuli_chr03	36173744	CC	AA	1940178158
SNP_P1_48689_36175964	NC_021162.1	Ca_kabuli_chr03	36175964	AA	GG	1940178160
SNP_P1_48690_36175968	NC_021162.1	Ca_kabuli_chr03	36175968	CC	GG	1940178161
SNP_P1_48691_36176136	NC_021162.1	Ca_kabuli_chr03	36176136	GG	AA	1940178162
SNP_P1_48692_36176414	NC_021162.1	Ca_kabuli_chr03	36176414	AA	TT	1940178164
SNP_P1_48693_36177364	NC_021162.1	Ca_kabuli_chr03	36177364	GG	CC	1940178165
SNP_P1_48694_36177386	NC_021162.1	Ca_kabuli_chr03	36177386	GG	TT	1940178166
SNP_P1_48695_36177390	NC_021162.1	Ca_kabuli_chr03	36177390	CC	TT	1940178168
SNP_P1_48696_36177403	NC_021162.1	Ca_kabuli_chr03	36177403	GG	AA	1940178169
SNP_P1_48697_36177434	NC_021162.1	Ca_kabuli_chr03	36177434	TT	CC	1940178170
SNP_P1_48698_36177444	NC_021162.1	Ca_kabuli_chr03	36177444	AA	GG	1940178172
SNP_P1_48699_36177700	NC_021162.1	Ca_kabuli_chr03	36177700	TT	CC	1940178173
SNP_P1_48700_36177701	NC_021162.1	Ca_kabuli_chr03	36177701	AA	GG	1940178174
SNP_P1_48701_36177704	NC_021162.1	Ca_kabuli_chr03	36177704	AA	GG	1940178176
SNP_P1_48702_36177707	NC_021162.1	Ca_kabuli_chr03	36177707	TT	AA	1940178177
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SNP_P1_48704_36177966	NC_021162.1	Ca_kabuli_chr03	36177966	AA	TT	1940178180
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SNP_P1_48708_36178367	NC_021162.1	Ca_kabuli_chr03	36178367	AA	GG	1940178184
SNP_P1_48709_36178417	NC_021162.1	Ca_kabuli_chr03	36178417	TT	GG	1940178185
SNP_P1_48711_36178612	NC_021162.1	Ca_kabuli_chr03	36178612	TT	CC	1940178186
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SNP_P1_48714_36178773	NC_021162.1	Ca_kabuli_chr03	36178773	AA	TT	1940178189
SNP_P1_48716_36178971	NC_021162.1	Ca_kabuli_chr03	36178971	CC	TT	1940178190
SNP_P1_48717_36178984	NC_021162.1	Ca_kabuli_chr03	36178984	AA	TT	1940178192
SNP_P1_48718_36179000	NC_021162.1	Ca_kabuli_chr03	36179000	AA	TT	1940178193
SNP_P1_48719_36179029	NC_021162.1	Ca_kabuli_chr03	36179029	CC	TT	1940178194
SNP_P1_48720_36179041	NC_021162.1	Ca_kabuli_chr03	36179041	AA	GG	1940178196
SNP_P1_48721_36179057	NC_021162.1	Ca_kabuli_chr03	36179057	AA	TT	1940178197
SNP_P1_48722_36179100	NC_021162.1	Ca_kabuli_chr03	36179100	GG	AA	1940178198
SNP_P1_48723_36179101	NC_021162.1	Ca_kabuli_chr03	36179101	TT	CC	1940178200

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48726_36179119	NC_021162.1	Ca_kabuli_chr03	36179119	GG	AA	1940178204
SNP_P1_48727_36179125	NC_021162.1	Ca_kabuli_chr03	36179125	GG	AA	1940178205
SNP_P1_48729_36179869	NC_021162.1	Ca_kabuli_chr03	36179869	AA	GG	1940178206
SNP_P1_48730_36179885	NC_021162.1	Ca_kabuli_chr03	36179885	AA	GG	1940178208
SNP_P1_48732_36180001	NC_021162.1	Ca_kabuli_chr03	36180001	AA	CC	1940178209
SNP_P1_48733_36180131	NC_021162.1	Ca_kabuli_chr03	36180131	AA	GG	1940178211
SNP_P1_48734_36180265	NC_021162.1	Ca_kabuli_chr03	36180265	GG	TT	1940178212
SNP_P1_48735_36180299	NC_021162.1	Ca_kabuli_chr03	36180299	AA	GG	1940178213
SNP_P1_48736_36180349	NC_021162.1	Ca_kabuli_chr03	36180349	GG	AA	1940178215
SNP_P1_48739_36180676	NC_021162.1	Ca_kabuli_chr03	36180676	AA	GG	1940178216
SNP_P1_48740_36182765	NC_021162.1	Ca_kabuli_chr03	36182765	GG	CC	1940178217
SNP_P1_48741_36182790	NC_021162.1	Ca_kabuli_chr03	36182790	GG	AA	1940178219
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SNP_P1_48746_36183032	NC_021162.1	Ca_kabuli_chr03	36183032	TT	CC	1940178225
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SNP_P1_48749_36183066	NC_021162.1	Ca_kabuli_chr03	36183066	AA	GG	1940178228
SNP_P1_48750_36183204	NC_021162.1	Ca_kabuli_chr03	36183204	CC	TT	1940178230
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SNP_P1_48752_36183228	NC_021162.1	Ca_kabuli_chr03	36183228	CC	GG	1940178232
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SNP_P1_48754_36183335	NC_021162.1	Ca_kabuli_chr03	36183335	TT	CC	1940178234
SNP_P1_48755_36183414	NC_021162.1	Ca_kabuli_chr03	36183414	AA	TT	1940178236
SNP_P1_48756_36183421	NC_021162.1	Ca_kabuli_chr03	36183421	TT	GG	1940178237
SNP_P1_48757_36183435	NC_021162.1	Ca_kabuli_chr03	36183435	GG	AA	1940178238
SNP_P1_48758_36183441	NC_021162.1	Ca_kabuli_chr03	36183441	GG	TT	1940178239
SNP_P1_48759_36183443	NC_021162.1	Ca_kabuli_chr03	36183443	GG	AA	1940178240
SNP_P1_48760_36183458	NC_021162.1	Ca_kabuli_chr03	36183458	GG	AA	1940178242
SNP_P1_48761_36183591	NC_021162.1	Ca_kabuli_chr03	36183591	TT	CC	1940178243
SNP_P1_48762_36183615	NC_021162.1	Ca_kabuli_chr03	36183615	CC	TT	1940178244
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SNP_P1_48764_36183630	NC_021162.1	Ca_kabuli_chr03	36183630	TT	CC	1940178246
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SNP_P1_48766_36183646	NC_021162.1	Ca_kabuli_chr03	36183646	AA	TT	1940178249
SNP_P1_48768_36184094	NC_021162.1	Ca_kabuli_chr03	36184094	AA	TT	1940178250
SNP_P1_48769_36184095	NC_021162.1	Ca_kabuli_chr03	36184095	AA	TT	1940178251
SNP_P1_48770_36185558	NC_021162.1	Ca_kabuli_chr03	36185558	GG	AA	1940178252

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48773_36185702	NC_021162.1	Ca_kabuli_chr03	36185702	TT	AA	1940178256
SNP_P1_48774_36185733	NC_021162.1	Ca_kabuli_chr03	36185733	TT	CC	1940178257
SNP_P1_48775_36185971	NC_021162.1	Ca_kabuli_chr03	36185971	AA	TT	1940178258
SNP_P1_48777_36186025	NC_021162.1	Ca_kabuli_chr03	36186025	GG	CC	1940178259
SNP_P1_48778_36186451	NC_021162.1	Ca_kabuli_chr03	36186451	AA	CC	1940178261
SNP_P1_48780_36186533	NC_021162.1	Ca_kabuli_chr03	36186533	GG	AA	1940178262
SNP_P1_48781_36186536	NC_021162.1	Ca_kabuli_chr03	36186536	TT	CC	1940178263
SNP_P1_48782_36186606	NC_021162.1	Ca_kabuli_chr03	36186606	TT	CC	1940178264
SNP_P1_48783_36186624	NC_021162.1	Ca_kabuli_chr03	36186624	AA	GG	1940178265
SNP_P1_48784_36186643	NC_021162.1	Ca_kabuli_chr03	36186643	CC	TT	1940178266
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SNP_P1_48786_36186775	NC_021162.1	Ca_kabuli_chr03	36186775	TT	CC	1940178269
SNP_P1_48787_36186781	NC_021162.1	Ca_kabuli_chr03	36186781	CC	TT	1940178270
SNP_P1_48788_36186816	NC_021162.1	Ca_kabuli_chr03	36186816	GG	TT	1940178271
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SNP_P1_48793_36186906	NC_021162.1	Ca_kabuli_chr03	36186906	AA	GG	1940178277
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SNP_P1_48803_36190944	NC_021162.1	Ca_kabuli_chr03	36190944	AA	GG	1940178287
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SNP_P1_48806_36191170	NC_021162.1	Ca_kabuli_chr03	36191170	AA	GG	1940178290
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SNP_P1_48808_36191382	NC_021162.1	Ca_kabuli_chr03	36191382	AA	GG	1940178293
SNP_P1_48809_36191456	NC_021162.1	Ca_kabuli_chr03	36191456	GG	AA	1940178294
SNP_P1_48810_36192285	NC_021162.1	Ca_kabuli_chr03	36192285	TT	GG	1940178295
SNP_P1_48813_36192539	NC_021162.1	Ca_kabuli_chr03	36192539	CC	AA	1940178297
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SNP_P1_48815_36192600	NC_021162.1	Ca_kabuli_chr03	36192600	AA	TT	1940178299
SNP_P1_48816_36192697	NC_021162.1	Ca_kabuli_chr03	36192697	GG	AA	1940178301
SNP_P1_48817_36192721	NC_021162.1	Ca_kabuli_chr03	36192721	CC	TT	1940178302
SNP_P1_48818_36192932	NC_021162.1	Ca_kabuli_chr03	36192932	TT	CC	1940178303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48822_36193668	NC_021162.1	Ca_kabuli_chr03	36193668	CC	GG	1940178307
SNP_P1_48823_36193747	NC_021162.1	Ca_kabuli_chr03	36193747	GG	TT	1940178308
SNP_P1_48824_36194198	NC_021162.1	Ca_kabuli_chr03	36194198	TT	CC	1940178309
SNP_P1_48826_36194441	NC_021162.1	Ca_kabuli_chr03	36194441	TT	CC	1940178310
SNP_P1_48827_36194457	NC_021162.1	Ca_kabuli_chr03	36194457	TT	CC	1940178311
SNP_P1_48828_36194641	NC_021162.1	Ca_kabuli_chr03	36194641	TT	CC	1940178312
SNP_P1_48829_36194711	NC_021162.1	Ca_kabuli_chr03	36194711	TT	CC	1940178313
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SNP_P1_48833_36195509	NC_021162.1	Ca_kabuli_chr03	36195509	TT	CC	1940178316
SNP_P1_48834_36196753	NC_021162.1	Ca_kabuli_chr03	36196753	CC	AA	1940178317
SNP_P1_48835_36196759	NC_021162.1	Ca_kabuli_chr03	36196759	GG	AA	1940178318
SNP_P1_48836_36196971	NC_021162.1	Ca_kabuli_chr03	36196971	AA	GG	1940178320
SNP_P1_48837_36196995	NC_021162.1	Ca_kabuli_chr03	36196995	CC	TT	1940178321
SNP_P1_48839_36197073	NC_021162.1	Ca_kabuli_chr03	36197073	GG	AA	1940178322
SNP_P1_48840_36197086	NC_021162.1	Ca_kabuli_chr03	36197086	TT	AA	1940178324
SNP_P1_48841_36197113	NC_021162.1	Ca_kabuli_chr03	36197113	GG	AA	1940178325
SNP_P1_48843_36197264	NC_021162.1	Ca_kabuli_chr03	36197264	TT	AA	1940178326
SNP_P1_48844_36197595	NC_021162.1	Ca_kabuli_chr03	36197595	GG	TT	1940178328
SNP_P1_48845_36197664	NC_021162.1	Ca_kabuli_chr03	36197664	CC	GG	1940178329
SNP_P1_48847_36198675	NC_021162.1	Ca_kabuli_chr03	36198675	AA	GG	1940178330
SNP_P1_48848_36198808	NC_021162.1	Ca_kabuli_chr03	36198808	AA	TT	1940178332
SNP_P1_48849_36198986	NC_021162.1	Ca_kabuli_chr03	36198986	TT	AA	1940178333
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SNP_P1_48852_36199913	NC_021162.1	Ca_kabuli_chr03	36199913	AA	GG	1940178336
SNP_P1_48853_36200446	NC_021162.1	Ca_kabuli_chr03	36200446	TT	CC	1940178337
SNP_P1_48854_36200460	NC_021162.1	Ca_kabuli_chr03	36200460	CC	GG	1940178338
SNP_P1_48856_36200656	NC_021162.1	Ca_kabuli_chr03	36200656	AA	GG	1940178340
SNP_P1_48857_36200659	NC_021162.1	Ca_kabuli_chr03	36200659	CC	AA	1940178341
SNP_P1_48858_36201062	NC_021162.1	Ca_kabuli_chr03	36201062	CC	AA	1940178342
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SNP_P1_48861_36201940	NC_021162.1	Ca_kabuli_chr03	36201940	CC	TT	1940178345
SNP_P1_48862_36202521	NC_021162.1	Ca_kabuli_chr03	36202521	TT	GG	1940178346
SNP_P1_48863_36202527	NC_021162.1	Ca_kabuli_chr03	36202527	CC	TT	1940178348
SNP_P1_48864_36202533	NC_021162.1	Ca_kabuli_chr03	36202533	AA	TT	1940178349
SNP_P1_48865_36202561	NC_021162.1	Ca_kabuli_chr03	36202561	AA	GG	1940178350
SNP_P1_48866_36202831	NC_021162.1	Ca_kabuli_chr03	36202831	AA	TT	1940178352
SNP_P1_48868_36203143	NC_021162.1	Ca_kabuli_chr03	36203143	GG	AA	1940178353
SNP_P1_48869_36203386	NC_021162.1	Ca_kabuli_chr03	36203386	CC	AA	1940178354
SNP_P1_48870_36203408	NC_021162.1	Ca_kabuli_chr03	36203408	AA	CC	1940178356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48873_36204716	NC_021162.1	Ca_kabuli_chr03	36204716	CC	TT	1940178358
SNP_P1_48875_36207628	NC_021162.1	Ca_kabuli_chr03	36207628	AA	GG	1940178360
SNP_P1_48876_36207722	NC_021162.1	Ca_kabuli_chr03	36207722	TT	CC	1940178361
SNP_P1_48878_36207805	NC_021162.1	Ca_kabuli_chr03	36207805	GG	AA	1940178362
SNP_P1_48879_36208059	NC_021162.1	Ca_kabuli_chr03	36208059	AA	GG	1940178364
SNP_P1_48880_36208085	NC_021162.1	Ca_kabuli_chr03	36208085	TT	AA	1940178365
SNP_P1_48883_36209499	NC_021162.1	Ca_kabuli_chr03	36209499	TT	CC	1940178366
SNP_P1_48884_36209769	NC_021162.1	Ca_kabuli_chr03	36209769	GG	CC	1940178368
SNP_P1_48885_36209779	NC_021162.1	Ca_kabuli_chr03	36209779	GG	AA	1940178369
SNP_P1_48886_36209780	NC_021162.1	Ca_kabuli_chr03	36209780	GG	AA	1940178370
SNP_P1_48888_36210495	NC_021162.1	Ca_kabuli_chr03	36210495	AA	GG	1940178372
SNP_P1_48889_36210503	NC_021162.1	Ca_kabuli_chr03	36210503	AA	CC	1940178373
SNP_P1_48890_36210523	NC_021162.1	Ca_kabuli_chr03	36210523	GG	TT	1940178374
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SNP_P1_48896_36211533	NC_021162.1	Ca_kabuli_chr03	36211533	GG	CC	1940178382
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SNP_P1_48898_36211546	NC_021162.1	Ca_kabuli_chr03	36211546	CC	TT	1940178385
SNP_P1_48899_36211812	NC_021162.1	Ca_kabuli_chr03	36211812	GG	AA	1940178386
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SNP_P1_48907_36213809	NC_021162.1	Ca_kabuli_chr03	36213809	CC	TT	1940178396
SNP_P1_48910_36213848	NC_021162.1	Ca_kabuli_chr03	36213848	GG	AA	1940178397
SNP_P1_48911_36214122	NC_021162.1	Ca_kabuli_chr03	36214122	TT	AA	1940178398
SNP_P1_48912_36214144	NC_021162.1	Ca_kabuli_chr03	36214144	AA	TT	1940178400
SNP_P1_48913_36214152	NC_021162.1	Ca_kabuli_chr03	36214152	CC	AA	1940178401
SNP_P1_48914_36214159	NC_021162.1	Ca_kabuli_chr03	36214159	GG	AA	1940178402
SNP_P1_48915_36214162	NC_021162.1	Ca_kabuli_chr03	36214162	GG	AA	1940178404
SNP_P1_48916_36214185	NC_021162.1	Ca_kabuli_chr03	36214185	TT	AA	1940178405
SNP_P1_48917_36214520	NC_021162.1	Ca_kabuli_chr03	36214520	AA	GG	1940178406
SNP_P1_48918_36214554	NC_021162.1	Ca_kabuli_chr03	36214554	TT	CC	1940178408
SNP_P1_48919_36214650	NC_021162.1	Ca_kabuli_chr03	36214650	TT	CC	1940178409
SNP_P1_48920_36214839	NC_021162.1	Ca_kabuli_chr03	36214839	TT	AA	1940178410
SNP_P1_48921_36214926	NC_021162.1	Ca_kabuli_chr03	36214926	GG	AA	1940178412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48924_36215593	NC_021162.1	Ca_kabuli_chr03	36215593	AA	CC	1940178416
SNP_P1_48925_36215664	NC_021162.1	Ca_kabuli_chr03	36215664	GG	CC	1940178417
SNP_P1_48926_36215763	NC_021162.1	Ca_kabuli_chr03	36215763	AA	GG	1940178418
SNP_P1_48927_36215851	NC_021162.1	Ca_kabuli_chr03	36215851	AA	GG	1940178420
SNP_P1_48928_36215852	NC_021162.1	Ca_kabuli_chr03	36215852	CC	TT	1940178421
SNP_P1_48929_36215855	NC_021162.1	Ca_kabuli_chr03	36215855	TT	CC	1940178422
SNP_P1_48931_36216947	NC_021162.1	Ca_kabuli_chr03	36216947	AA	CC	1940178424
SNP_P1_48932_36217378	NC_021162.1	Ca_kabuli_chr03	36217378	CC	TT	1940178425
SNP_P1_48933_36217686	NC_021162.1	Ca_kabuli_chr03	36217686	GG	AA	1940178426
SNP_P1_48934_36218034	NC_021162.1	Ca_kabuli_chr03	36218034	TT	CC	1940178428
SNP_P1_48937_36218217	NC_021162.1	Ca_kabuli_chr03	36218217	TT	CC	1940178429
SNP_P1_48938_36218687	NC_021162.1	Ca_kabuli_chr03	36218687	AA	CC	1940178430
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SNP_P1_48942_36219045	NC_021162.1	Ca_kabuli_chr03	36219045	TT	GG	1940178434
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SNP_P1_48947_36219354	NC_021162.1	Ca_kabuli_chr03	36219354	AA	GG	1940178440
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SNP_P1_48949_36219507	NC_021162.1	Ca_kabuli_chr03	36219507	TT	GG	1940178442
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SNP_P1_48954_36220512	NC_021162.1	Ca_kabuli_chr03	36220512	CC	TT	1940178445
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SNP_P1_48958_36221017	NC_021162.1	Ca_kabuli_chr03	36221017	GG	AA	1940178450
SNP_P1_48959_36221026	NC_021162.1	Ca_kabuli_chr03	36221026	TT	GG	1940178452
SNP_P1_48961_36222052	NC_021162.1	Ca_kabuli_chr03	36222052	AA	CC	1940178453
SNP_P1_48963_36222115	NC_021162.1	Ca_kabuli_chr03	36222115	TT	CC	1940178454
SNP_P1_48964_36222117	NC_021162.1	Ca_kabuli_chr03	36222117	AA	GG	1940178456
SNP_P1_48965_36222189	NC_021162.1	Ca_kabuli_chr03	36222189	AA	GG	1940178457
SNP_P1_48966_36222912	NC_021162.1	Ca_kabuli_chr03	36222912	GG	AA	1940178458
SNP_P1_48967_36222930	NC_021162.1	Ca_kabuli_chr03	36222930	CC	TT	1940178460
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SNP_P1_48973_36223899	NC_021162.1	Ca_kabuli_chr03	36223899	TT	AA	1940178465
SNP_P1_48974_36223918	NC_021162.1	Ca_kabuli_chr03	36223918	CC	AA	1940178466
SNP_P1_48976_36225485	NC_021162.1	Ca_kabuli_chr03	36225485	TT	CC	1940178468

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_48980_36225828	NC_021162.1	Ca_kabuli_chr03	36225828	AA	CC	1940178472
SNP_P1_48981_36225920	NC_021162.1	Ca_kabuli_chr03	36225920	AA	GG	1940178473
SNP_P1_48982_36225974	NC_021162.1	Ca_kabuli_chr03	36225974	TT	AA	1940178474
SNP_P1_48984_36226534	NC_021162.1	Ca_kabuli_chr03	36226534	TT	AA	1940178476
SNP_P1_48985_36226544	NC_021162.1	Ca_kabuli_chr03	36226544	AA	GG	1940178477
SNP_P1_48986_36226555	NC_021162.1	Ca_kabuli_chr03	36226555	GG	AA	1940178478
SNP_P1_48988_36227142	NC_021162.1	Ca_kabuli_chr03	36227142	TT	CC	1940178479
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SNP_P1_48996_36228690	NC_021162.1	Ca_kabuli_chr03	36228690	TT	AA	1940178489
SNP_P1_48997_36228745	NC_021162.1	Ca_kabuli_chr03	36228745	AA	GG	1940178490
SNP_P1_48998_36228903	NC_021162.1	Ca_kabuli_chr03	36228903	AA	TT	1940178491
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SNP_P1_49015_36231054	NC_021162.1	Ca_kabuli_chr03	36231054	AA	GG	1940178513
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SNP_P1_49020_36231279	NC_021162.1	Ca_kabuli_chr03	36231279	AA	GG	1940178519
SNP_P1_49021_36232024	NC_021162.1	Ca_kabuli_chr03	36232024	GG	TT	1940178521
SNP_P1_49022_36232037	NC_021162.1	Ca_kabuli_chr03	36232037	AA	GG	1940178522
SNP_P1_49023_36232697	NC_021162.1	Ca_kabuli_chr03	36232697	TT	GG	1940178523

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49028_36233506	NC_021162.1	Ca_kabuli_chr03	36233506	GG	CC	1940178529
SNP_P1_49030_36233790	NC_021162.1	Ca_kabuli_chr03	36233790	CC	GG	1940178530
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SNP_P1_49032_36233892	NC_021162.1	Ca_kabuli_chr03	36233892	AA	GG	1940178533
SNP_P1_49033_36234523	NC_021162.1	Ca_kabuli_chr03	36234523	TT	GG	1940178534
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SNP_P1_49051_36239936	NC_021162.1	Ca_kabuli_chr03	36239936	TT	AA	1940178553
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SNP_P1_49064_36241918	NC_021162.1	Ca_kabuli_chr03	36241918	CC	TT	1940178566
SNP_P1_49065_36241940	NC_021162.1	Ca_kabuli_chr03	36241940	AA	GG	1940178567
SNP_P1_49066_36241967	NC_021162.1	Ca_kabuli_chr03	36241967	TT	CC	1940178569
SNP_P1_49067_36242504	NC_021162.1	Ca_kabuli_chr03	36242504	CC	TT	1940178570
SNP_P1_49069_36243149	NC_021162.1	Ca_kabuli_chr03	36243149	AA	CC	1940178571
SNP_P1_49070_36243176	NC_021162.1	Ca_kabuli_chr03	36243176	CC	TT	1940178573
SNP_P1_49071_36244731	NC_021162.1	Ca_kabuli_chr03	36244731	GG	AA	1940178574
SNP_P1_49072_36246249	NC_021162.1	Ca_kabuli_chr03	36246249	AA	CC	1940178575
SNP_P1_49073_36246266	NC_021162.1	Ca_kabuli_chr03	36246266	TT	CC	1940178577
SNP_P1_49075_36246546	NC_021162.1	Ca_kabuli_chr03	36246546	AA	TT	1940178578
SNP_P1_49077_36248758	NC_021162.1	Ca_kabuli_chr03	36248758	CC	GG	1940178579

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49079_36249170	NC_021162.1	Ca_kabuli_chr03	36249170	CC	GG	1940178582
SNP_P1_49080_36249183	NC_021162.1	Ca_kabuli_chr03	36249183	GG	AA	1940178583
SNP_P1_49081_36249235	NC_021162.1	Ca_kabuli_chr03	36249235	AA	GG	1940178585
SNP_P1_49082_36249359	NC_021162.1	Ca_kabuli_chr03	36249359	AA	TT	1940178586
SNP_P1_49083_36249414	NC_021162.1	Ca_kabuli_chr03	36249414	CC	TT	1940178587
SNP_P1_49084_36249437	NC_021162.1	Ca_kabuli_chr03	36249437	GG	TT	1940178589
SNP_P1_49085_36249456	NC_021162.1	Ca_kabuli_chr03	36249456	AA	TT	1940178590
SNP_P1_49086_36249533	NC_021162.1	Ca_kabuli_chr03	36249533	AA	TT	1940178591
SNP_P1_49087_36249549	NC_021162.1	Ca_kabuli_chr03	36249549	TT	AA	1940178593
SNP_P1_49088_36249574	NC_021162.1	Ca_kabuli_chr03	36249574	CC	AA	1940178594
SNP_P1_49089_36249661	NC_021162.1	Ca_kabuli_chr03	36249661	GG	AA	1940178595
SNP_P1_49091_36249818	NC_021162.1	Ca_kabuli_chr03	36249818	CC	AA	1940178596
SNP_P1_49092_36249954	NC_021162.1	Ca_kabuli_chr03	36249954	CC	GG	1940178597
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SNP_P1_49095_36250859	NC_021162.1	Ca_kabuli_chr03	36250859	GG	TT	1940178599
SNP_P1_49096_36250883	NC_021162.1	Ca_kabuli_chr03	36250883	AA	GG	1940178600
SNP_P1_49097_36251007	NC_021162.1	Ca_kabuli_chr03	36251007	AA	TT	1940178601
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SNP_P1_49101_36251857	NC_021162.1	Ca_kabuli_chr03	36251857	GG	AA	1940178603
SNP_P1_49102_36253276	NC_021162.1	Ca_kabuli_chr03	36253276	AA	GG	1940178604
SNP_P1_49104_36253906	NC_021162.1	Ca_kabuli_chr03	36253906	TT	GG	1940178605
SNP_P1_49105_36254017	NC_021162.1	Ca_kabuli_chr03	36254017	CC	TT	1940178606
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SNP_P1_49112_36258507	NC_021162.1	Ca_kabuli_chr03	36258507	CC	TT	1940178613
SNP_P1_49113_36258567	NC_021162.1	Ca_kabuli_chr03	36258567	AA	CC	1940178614
SNP_P1_49114_36258916	NC_021162.1	Ca_kabuli_chr03	36258916	GG	AA	1940178615
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SNP_P1_49120_36263255	NC_021162.1	Ca_kabuli_chr03	36263255	GG	AA	1940178620
SNP_P1_49121_36263284	NC_021162.1	Ca_kabuli_chr03	36263284	CC	AA	1940178621
SNP_P1_49122_36263331	NC_021162.1	Ca_kabuli_chr03	36263331	AA	GG	1940178622
SNP_P1_49124_36264470	NC_021162.1	Ca_kabuli_chr03	36264470	CC	TT	1940178623
SNP_P1_49125_36264503	NC_021162.1	Ca_kabuli_chr03	36264503	AA	GG	1940178624
SNP_P1_49126_36264845	NC_021162.1	Ca_kabuli_chr03	36264845	GG	AA	1940178625

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49130_36267756	NC_021162.1	Ca_kabuli_chr03	36267756	TT	CC	1940178628
SNP_P1_49131_36267769	NC_021162.1	Ca_kabuli_chr03	36267769	TT	CC	1940178629
SNP_P1_49132_36267782	NC_021162.1	Ca_kabuli_chr03	36267782	CC	TT	1940178630
SNP_P1_49133_36269103	NC_021162.1	Ca_kabuli_chr03	36269103	CC	AA	1940178631
SNP_P1_49134_36269257	NC_021162.1	Ca_kabuli_chr03	36269257	AA	TT	1940178632
SNP_P1_49136_36269405	NC_021162.1	Ca_kabuli_chr03	36269405	TT	GG	1940178633
SNP_P1_49137_36269552	NC_021162.1	Ca_kabuli_chr03	36269552	TT	CC	1940178634
SNP_P1_49138_36269671	NC_021162.1	Ca_kabuli_chr03	36269671	AA	TT	1940178635
SNP_P1_49139_36269682	NC_021162.1	Ca_kabuli_chr03	36269682	TT	CC	1940178636
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SNP_P1_49141_36269724	NC_021162.1	Ca_kabuli_chr03	36269724	CC	TT	1940178638
SNP_P1_49143_36270023	NC_021162.1	Ca_kabuli_chr03	36270023	GG	CC	1940178639
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SNP_P1_49146_36270833	NC_021162.1	Ca_kabuli_chr03	36270833	AA	TT	1940178642
SNP_P1_49147_36270835	NC_021162.1	Ca_kabuli_chr03	36270835	AA	TT	1940178645
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SNP_P1_49151_36271877	NC_021162.1	Ca_kabuli_chr03	36271877	GG	AA	1940178658
SNP_P1_49152_36272172	NC_021162.1	Ca_kabuli_chr03	36272172	CC	TT	1940178662
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SNP_P1_49154_36272931	NC_021162.1	Ca_kabuli_chr03	36272931	TT	AA	1940178668
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SNP_P1_49156_36273496	NC_021162.1	Ca_kabuli_chr03	36273496	CC	TT	1940178675
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SNP_P1_49159_36273837	NC_021162.1	Ca_kabuli_chr03	36273837	GG	AA	1940178685
SNP_P1_49161_36274541	NC_021162.1	Ca_kabuli_chr03	36274541	CC	TT	1940178688
SNP_P1_49164_36274659	NC_021162.1	Ca_kabuli_chr03	36274659	GG	CC	1940178691
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SNP_P1_49167_36275133	NC_021162.1	Ca_kabuli_chr03	36275133	TT	GG	1940178698
SNP_P1_49169_36275236	NC_021162.1	Ca_kabuli_chr03	36275236	GG	AA	1940178701
SNP_P1_49170_36275246	NC_021162.1	Ca_kabuli_chr03	36275246	CC	TT	1940178705
SNP_P1_49172_36276814	NC_021162.1	Ca_kabuli_chr03	36276814	AA	TT	1940178708
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SNP_P1_49178_36280005	NC_021162.1	Ca_kabuli_chr03	36280005	CC	AA	1940178721
SNP_P1_49179_36280494	NC_021162.1	Ca_kabuli_chr03	36280494	GG	AA	1940178725

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49182_36283232	NC_021162.1	Ca_kabuli_chr03	36283232	CC	GG	1940178735
SNP_P1_49185_36283769	NC_021162.1	Ca_kabuli_chr03	36283769	TT	GG	1940178738
SNP_P1_49186_36283786	NC_021162.1	Ca_kabuli_chr03	36283786	AA	GG	1940178741
SNP_P1_49187_36283827	NC_021162.1	Ca_kabuli_chr03	36283827	AA	TT	1940178745
SNP_P1_49188_36284043	NC_021162.1	Ca_kabuli_chr03	36284043	CC	AA	1940178748
SNP_P1_49190_36286281	NC_021162.1	Ca_kabuli_chr03	36286281	TT	CC	1940178751
SNP_P1_49191_36286292	NC_021162.1	Ca_kabuli_chr03	36286292	AA	GG	1940178755
SNP_P1_49192_36286298	NC_021162.1	Ca_kabuli_chr03	36286298	CC	GG	1940178758
SNP_P1_49193_36286299	NC_021162.1	Ca_kabuli_chr03	36286299	AA	GG	1940178761
SNP_P1_49194_36286578	NC_021162.1	Ca_kabuli_chr03	36286578	GG	TT	1940178765
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SNP_P1_49199_36287197	NC_021162.1	Ca_kabuli_chr03	36287197	TT	CC	1940178775
SNP_P1_49200_36287213	NC_021162.1	Ca_kabuli_chr03	36287213	CC	GG	1940178778
SNP_P1_49202_36287592	NC_021162.1	Ca_kabuli_chr03	36287592	TT	CC	1940178781
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SNP_P1_49215_36290503	NC_021162.1	Ca_kabuli_chr03	36290503	GG	AA	1940178817
SNP_P1_49216_36290619	NC_021162.1	Ca_kabuli_chr03	36290619	TT	AA	1940178821
SNP_P1_49217_36290621	NC_021162.1	Ca_kabuli_chr03	36290621	TT	AA	1940178824
SNP_P1_49218_36290696	NC_021162.1	Ca_kabuli_chr03	36290696	CC	TT	1940178827
SNP_P1_49219_36290704	NC_021162.1	Ca_kabuli_chr03	36290704	AA	GG	1940178831
SNP_P1_49220_36290709	NC_021162.1	Ca_kabuli_chr03	36290709	TT	CC	1940178834
SNP_P1_49222_36290760	NC_021162.1	Ca_kabuli_chr03	36290760	CC	TT	1940178837
SNP_P1_49223_36290793	NC_021162.1	Ca_kabuli_chr03	36290793	AA	GG	1940178841
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SNP_P1_49225_36290927	NC_021162.1	Ca_kabuli_chr03	36290927	TT	AA	1940178848
SNP_P1_49226_36290928	NC_021162.1	Ca_kabuli_chr03	36290928	CC	TT	1940178850
SNP_P1_49227_36290993	NC_021162.1	Ca_kabuli_chr03	36290993	GG	AA	1940178853
SNP_P1_49229_36291089	NC_021162.1	Ca_kabuli_chr03	36291089	CC	GG	1940178857
SNP_P1_49230_36291201	NC_021162.1	Ca_kabuli_chr03	36291201	TT	CC	1940178860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49234_36295261	NC_021162.1	Ca_kabuli_chr03	36295261	TT	CC	1940178873
SNP_P1_49236_36297325	NC_021162.1	Ca_kabuli_chr03	36297325	TT	CC	1940178877
SNP_P1_49237_36298200	NC_021162.1	Ca_kabuli_chr03	36298200	TT	GG	1940178880
SNP_P1_49238_36300066	NC_021162.1	Ca_kabuli_chr03	36300066	TT	CC	1940178884
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SNP_P1_49244_36303230	NC_021162.1	Ca_kabuli_chr03	36303230	TT	CC	1940178904
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SNP_P1_49246_36304148	NC_021162.1	Ca_kabuli_chr03	36304148	TT	CC	1940178911
SNP_P1_49247_36304309	NC_021162.1	Ca_kabuli_chr03	36304309	AA	GG	1940178915
SNP_P1_49248_36304592	NC_021162.1	Ca_kabuli_chr03	36304592	GG	AA	1940178941
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SNP_P1_49255_36307966	NC_021162.1	Ca_kabuli_chr03	36307966	AA	GG	1940179048
SNP_P1_49257_36308131	NC_021162.1	Ca_kabuli_chr03	36308131	GG	AA	1940179102
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SNP_P1_49260_36308270	NC_021162.1	Ca_kabuli_chr03	36308270	CC	TT	1940179137
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SNP_P1_49264_36308695	NC_021162.1	Ca_kabuli_chr03	36308695	TT	AA	1940179356
SNP_P1_49265_36308700	NC_021162.1	Ca_kabuli_chr03	36308700	TT	CC	1940179370
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SNP_P1_49267_36308840	NC_021162.1	Ca_kabuli_chr03	36308840	TT	GG	1940179460
SNP_P1_49268_36310935	NC_021162.1	Ca_kabuli_chr03	36310935	GG	AA	1940179490
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SNP_P1_49276_36315515	NC_021162.1	Ca_kabuli_chr03	36315515	GG	AA	1940179702
SNP_P1_49277_36315529	NC_021162.1	Ca_kabuli_chr03	36315529	GG	TT	1940179712
SNP_P1_49278_36318654	NC_021162.1	Ca_kabuli_chr03	36318654	TT	CC	1940179781

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_49280_36319298	NC_021162.1	Ca_kabuli_chr03	36319298	TT	CC	1940179842
SNP_P1_49281_36320300	NC_021162.1	Ca_kabuli_chr03	36320300	GG	AA	1940179912
SNP_P1_49282_36320329	NC_021162.1	Ca_kabuli_chr03	36320329	CC	TT	1940179974
SNP_P1_49283_36320333	NC_021162.1	Ca_kabuli_chr03	36320333	GG	AA	1940180040
SNP_P1_49284_36320463	NC_021162.1	Ca_kabuli_chr03	36320463	CC	TT	1940180098
SNP_P1_49285_36320548	NC_021162.1	Ca_kabuli_chr03	36320548	CC	TT	1940180158
SNP_P1_49287_36320623	NC_021162.1	Ca_kabuli_chr03	36320623	CC	AA	1940180176
SNP_P1_49288_36320650	NC_021162.1	Ca_kabuli_chr03	36320650	AA	TT	1940180187
SNP_P1_49289_36320657	NC_021162.1	Ca_kabuli_chr03	36320657	TT	AA	1940180223
SNP_P1_49290_36321089	NC_021162.1	Ca_kabuli_chr03	36321089	GG	TT	1940180281
SNP_P1_49291_36321121	NC_021162.1	Ca_kabuli_chr03	36321121	AA	GG	1940180315
SNP_P1_49292_36321379	NC_021162.1	Ca_kabuli_chr03	36321379	TT	AA	1940180326
SNP_P1_49293_36321380	NC_021162.1	Ca_kabuli_chr03	36321380	AA	TT	1940180391
SNP_P1_49294_36321408	NC_021162.1	Ca_kabuli_chr03	36321408	GG	AA	1940180409
SNP_P1_49296_36321471	NC_021162.1	Ca_kabuli_chr03	36321471	TT	CC	1940180411
SNP_P1_49297_36321864	NC_021162.1	Ca_kabuli_chr03	36321864	GG	AA	1940180462
SNP_P1_49298_36322482	NC_021162.1	Ca_kabuli_chr03	36322482	CC	TT	1940180475
SNP_P1_49300_36323847	NC_021162.1	Ca_kabuli_chr03	36323847	AA	GG	1940180477
SNP_P1_49301_36324174	NC_021162.1	Ca_kabuli_chr03	36324174	TT	CC	1940180541
SNP_P1_49303_36324445	NC_021162.1	Ca_kabuli_chr03	36324445	AA	GG	1940180605
SNP_P1_49304_36324601	NC_021162.1	Ca_kabuli_chr03	36324601	CC	TT	1940180672
SNP_P1_49305_36324789	NC_021162.1	Ca_kabuli_chr03	36324789	GG	TT	1940180723
SNP_P1_49306_36325480	NC_021162.1	Ca_kabuli_chr03	36325480	CC	GG	1940180790
SNP_P1_49307_36325874	NC_021162.1	Ca_kabuli_chr03	36325874	TT	AA	1940180821
SNP_P1_49308_36325911	NC_021162.1	Ca_kabuli_chr03	36325911	AA	TT	1940180826
SNP_P1_49309_36325919	NC_021162.1	Ca_kabuli_chr03	36325919	CC	AA	1940180872
SNP_P1_49310_36326313	NC_021162.1	Ca_kabuli_chr03	36326313	TT	GG	1940180937
SNP_P1_49312_36326593	NC_021162.1	Ca_kabuli_chr03	36326593	GG	TT	1940180973
SNP_P1_49313_36326603	NC_021162.1	Ca_kabuli_chr03	36326603	GG	AA	1940180974
SNP_P1_49314_36326611	NC_021162.1	Ca_kabuli_chr03	36326611	CC	TT	1940180977
SNP_P1_49315_36326643	NC_021162.1	Ca_kabuli_chr03	36326643	TT	CC	1940180978
SNP_P1_49316_36326649	NC_021162.1	Ca_kabuli_chr03	36326649	TT	CC	1940181039
SNP_P1_49317_36326661	NC_021162.1	Ca_kabuli_chr03	36326661	TT	CC	1940181104
SNP_P1_49318_36326666	NC_021162.1	Ca_kabuli_chr03	36326666	CC	TT	1940181141
SNP_P1_49319_36326972	NC_021162.1	Ca_kabuli_chr03	36326972	AA	GG	1940181155
SNP_P1_49320_36327159	NC_021162.1	Ca_kabuli_chr03	36327159	TT	CC	1940181209
SNP_P1_49321_36327487	NC_021162.1	Ca_kabuli_chr03	36327487	AA	GG	1940181211
SNP_P1_49322_36327499	NC_021162.1	Ca_kabuli_chr03	36327499	TT	AA	1940181263
SNP_P1_49323_36327535	NC_021162.1	Ca_kabuli_chr03	36327535	AA	CC	1940181264
SNP_P1_49324_36327536	NC_021162.1	Ca_kabuli_chr03	36327536	CC	AA	1940181265
SNP_P1_49325_36327556	NC_021162.1	Ca_kabuli_chr03	36327556	CC	TT	1940181322
SNP_P1_49327_36328055	NC_021162.1	Ca_kabuli_chr03	36328055	GG	AA	1940181365

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49329_36328091	NC_021162.1	Ca_kabuli_chr03	36328091	AA	TT	1940181475
SNP_P1_49331_36328320	NC_021162.1	Ca_kabuli_chr03	36328320	AA	GG	1940181488
SNP_P1_49333_36328562	NC_021162.1	Ca_kabuli_chr03	36328562	AA	GG	1940181553
SNP_P1_49335_36328776	NC_021162.1	Ca_kabuli_chr03	36328776	AA	CC	1940181613
SNP_P1_49336_36329234	NC_021162.1	Ca_kabuli_chr03	36329234	CC	TT	1940181677
SNP_P1_49337_36329363	NC_021162.1	Ca_kabuli_chr03	36329363	AA	CC	1940181745
SNP_P1_49338_36329382	NC_021162.1	Ca_kabuli_chr03	36329382	AA	GG	1940181805
SNP_P1_49339_36329392	NC_021162.1	Ca_kabuli_chr03	36329392	CC	TT	1940181868
SNP_P1_49340_36329441	NC_021162.1	Ca_kabuli_chr03	36329441	TT	CC	1940181914
SNP_P1_49341_36329608	NC_021162.1	Ca_kabuli_chr03	36329608	TT	AA	1940181962
SNP_P1_49342_36329609	NC_021162.1	Ca_kabuli_chr03	36329609	TT	AA	1940182022
SNP_P1_49343_36331205	NC_021162.1	Ca_kabuli_chr03	36331205	GG	CC	1940182088
SNP_P1_49344_36331211	NC_021162.1	Ca_kabuli_chr03	36331211	TT	AA	1940182140
SNP_P1_49346_36331458	NC_021162.1	Ca_kabuli_chr03	36331458	GG	TT	1940182183
SNP_P1_49347_36331477	NC_021162.1	Ca_kabuli_chr03	36331477	TT	CC	1940182227
SNP_P1_49348_36332333	NC_021162.1	Ca_kabuli_chr03	36332333	CC	GG	1940182293
SNP_P1_49349_36333028	NC_021162.1	Ca_kabuli_chr03	36333028	GG	AA	1940182359
SNP_P1_49351_36333261	NC_021162.1	Ca_kabuli_chr03	36333261	TT	CC	1940182368
SNP_P1_49352_36333280	NC_021162.1	Ca_kabuli_chr03	36333280	GG	TT	1940182412
SNP_P1_49353_36334365	NC_021162.1	Ca_kabuli_chr03	36334365	GG	AA	1940182469
SNP_P1_49354_36334392	NC_021162.1	Ca_kabuli_chr03	36334392	GG	AA	1940182504
SNP_P1_49355_36334607	NC_021162.1	Ca_kabuli_chr03	36334607	TT	AA	1940182568
SNP_P1_49357_36334653	NC_021162.1	Ca_kabuli_chr03	36334653	AA	GG	1940182614
SNP_P1_49359_36334825	NC_021162.1	Ca_kabuli_chr03	36334825	TT	CC	1940182650
SNP_P1_49361_36337834	NC_021162.1	Ca_kabuli_chr03	36337834	GG	TT	1940182714
SNP_P1_49363_36338485	NC_021162.1	Ca_kabuli_chr03	36338485	AA	CC	1940182753
SNP_P1_49364_36339400	NC_021162.1	Ca_kabuli_chr03	36339400	GG	AA	1940182817
SNP_P1_49365_36339715	NC_021162.1	Ca_kabuli_chr03	36339715	TT	AA	1940182853
SNP_P1_49366_36342660	NC_021162.1	Ca_kabuli_chr03	36342660	AA	CC	1940182854
SNP_P1_49367_36342684	NC_021162.1	Ca_kabuli_chr03	36342684	GG	CC	1940182893
SNP_P1_49368_36342685	NC_021162.1	Ca_kabuli_chr03	36342685	AA	CC	1940182962
SNP_P1_49369_36342686	NC_021162.1	Ca_kabuli_chr03	36342686	GG	CC	1940183009
SNP_P1_49370_36342688	NC_021162.1	Ca_kabuli_chr03	36342688	GG	AA	1940183076
SNP_P1_49371_36342707	NC_021162.1	Ca_kabuli_chr03	36342707	TT	GG	1940183140
SNP_P1_49372_36342828	NC_021162.1	Ca_kabuli_chr03	36342828	TT	AA	1940183205
SNP_P1_49373_36342985	NC_021162.1	Ca_kabuli_chr03	36342985	AA	GG	1940183270
SNP_P1_49374_36343880	NC_021162.1	Ca_kabuli_chr03	36343880	CC	TT	1940183334
SNP_P1_49375_36343888	NC_021162.1	Ca_kabuli_chr03	36343888	GG	AA	1940183388
SNP_P1_49376_36344022	NC_021162.1	Ca_kabuli_chr03	36344022	CC	TT	1940183436
SNP_P1_49377_36348667	NC_021162.1	Ca_kabuli_chr03	36348667	TT	GG	1940183490
SNP_P1_49378_36348803	NC_021162.1	Ca_kabuli_chr03	36348803	CC	GG	1940183554

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49380_36349116	NC_021162.1	Ca_kabuli_chr03	36349116	CC	GG	1940183669
SNP_P1_49381_36349146	NC_021162.1	Ca_kabuli_chr03	36349146	CC	AA	1940183733
SNP_P1_49382_36349150	NC_021162.1	Ca_kabuli_chr03	36349150	CC	TT	1940183781
SNP_P1_49383_36349166	NC_021162.1	Ca_kabuli_chr03	36349166	AA	GG	1940183809
SNP_P1_49384_36349173	NC_021162.1	Ca_kabuli_chr03	36349173	CC	TT	1940183867
SNP_P1_49385_36349174	NC_021162.1	Ca_kabuli_chr03	36349174	AA	CC	1940183930
SNP_P1_49386_36349346	NC_021162.1	Ca_kabuli_chr03	36349346	TT	CC	1940183995
SNP_P1_49387_36349603	NC_021162.1	Ca_kabuli_chr03	36349603	AA	GG	1940184059
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SNP_P1_49389_36349658	NC_021162.1	Ca_kabuli_chr03	36349658	CC	AA	1940184170
SNP_P1_49390_36349795	NC_021162.1	Ca_kabuli_chr03	36349795	CC	TT	1940184220
SNP_P1_49391_36349936	NC_021162.1	Ca_kabuli_chr03	36349936	AA	GG	1940184253
SNP_P1_49392_36349987	NC_021162.1	Ca_kabuli_chr03	36349987	CC	TT	1940184254
SNP_P1_49394_36350559	NC_021162.1	Ca_kabuli_chr03	36350559	CC	GG	1940184309
SNP_P1_49395_36350628	NC_021162.1	Ca_kabuli_chr03	36350628	TT	CC	1940184372
SNP_P1_49396_36350705	NC_021162.1	Ca_kabuli_chr03	36350705	TT	CC	1940184396
SNP_P1_49397_36350724	NC_021162.1	Ca_kabuli_chr03	36350724	GG	AA	1940184459
SNP_P1_49398_36350762	NC_021162.1	Ca_kabuli_chr03	36350762	TT	AA	1940184522
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SNP_P1_49404_36351775	NC_021162.1	Ca_kabuli_chr03	36351775	TT	AA	1940184612
SNP_P1_49405_36351780	NC_021162.1	Ca_kabuli_chr03	36351780	GG	TT	1940184613
SNP_P1_49406_36351797	NC_021162.1	Ca_kabuli_chr03	36351797	CC	TT	1940184614
SNP_P1_49407_36351801	NC_021162.1	Ca_kabuli_chr03	36351801	GG	AA	1940184644
SNP_P1_49408_36351802	NC_021162.1	Ca_kabuli_chr03	36351802	AA	GG	1940184661
SNP_P1_49409_36351843	NC_021162.1	Ca_kabuli_chr03	36351843	GG	AA	1940184699
SNP_P1_49410_36351850	NC_021162.1	Ca_kabuli_chr03	36351850	AA	GG	1940184764
SNP_P1_49411_36352177	NC_021162.1	Ca_kabuli_chr03	36352177	AA	GG	1940184800
SNP_P1_49413_36353359	NC_021162.1	Ca_kabuli_chr03	36353359	TT	CC	1940184841
SNP_P1_49414_36353360	NC_021162.1	Ca_kabuli_chr03	36353360	GG	AA	1940184907
SNP_P1_49415_36353624	NC_021162.1	Ca_kabuli_chr03	36353624	GG	AA	1940184944
SNP_P1_49416_36353662	NC_021162.1	Ca_kabuli_chr03	36353662	CC	GG	1940185007
SNP_P1_49417_36353664	NC_021162.1	Ca_kabuli_chr03	36353664	CC	GG	1940185060
SNP_P1_49418_36354039	NC_021162.1	Ca_kabuli_chr03	36354039	CC	TT	1940185093
SNP_P1_49419_36354387	NC_021162.1	Ca_kabuli_chr03	36354387	CC	TT	1940185103
SNP_P1_49420_36354395	NC_021162.1	Ca_kabuli_chr03	36354395	CC	AA	1940185111
SNP_P1_49421_36354855	NC_021162.1	Ca_kabuli_chr03	36354855	CC	TT	1940185169
SNP_P1_49422_36354872	NC_021162.1	Ca_kabuli_chr03	36354872	GG	AA	1940185187
SNP_P1_49423_36355065	NC_021162.1	Ca_kabuli_chr03	36355065	TT	CC	1940185208
SNP_P1_49424_36355192	NC_021162.1	Ca_kabuli_chr03	36355192	GG	TT	1940185251
SNP_P1_49425_36355552	NC_021162.1	Ca_kabuli_chr03	36355552	TT	CC	1940185269

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49427_36356303	NC_021162.1	Ca_kabuli_chr03	36356303	CC	TT	1940185356
SNP_P1_49428_36356361	NC_021162.1	Ca_kabuli_chr03	36356361	TT	CC	1940185420
SNP_P1_49429_36356365	NC_021162.1	Ca_kabuli_chr03	36356365	GG	AA	1940185449
SNP_P1_49430_36356528	NC_021162.1	Ca_kabuli_chr03	36356528	AA	GG	1940185501
SNP_P1_49432_36360993	NC_021162.1	Ca_kabuli_chr03	36360993	CC	GG	1940185550
SNP_P1_49433_36361003	NC_021162.1	Ca_kabuli_chr03	36361003	CC	TT	1940185569
SNP_P1_49434_36361339	NC_021162.1	Ca_kabuli_chr03	36361339	CC	TT	1940185584
SNP_P1_49435_36361540	NC_021162.1	Ca_kabuli_chr03	36361540	AA	GG	1940185648
SNP_P1_49437_36361668	NC_021162.1	Ca_kabuli_chr03	36361668	AA	TT	1940185694
SNP_P1_49438_36362747	NC_021162.1	Ca_kabuli_chr03	36362747	GG	AA	1940185751
SNP_P1_49439_36362796	NC_021162.1	Ca_kabuli_chr03	36362796	AA	GG	1940185817
SNP_P1_49440_36362814	NC_021162.1	Ca_kabuli_chr03	36362814	AA	CC	1940185836
SNP_P1_49441_36363042	NC_021162.1	Ca_kabuli_chr03	36363042	GG	AA	1940185845
SNP_P1_49442_36363053	NC_021162.1	Ca_kabuli_chr03	36363053	CC	TT	1940185846
SNP_P1_49444_36363113	NC_021162.1	Ca_kabuli_chr03	36363113	CC	TT	1940185913
SNP_P1_49445_36363374	NC_021162.1	Ca_kabuli_chr03	36363374	TT	GG	1940185946
SNP_P1_49446_36363521	NC_021162.1	Ca_kabuli_chr03	36363521	CC	TT	1940186010
SNP_P1_49447_36363564	NC_021162.1	Ca_kabuli_chr03	36363564	TT	CC	1940186073
SNP_P1_49448_36363711	NC_021162.1	Ca_kabuli_chr03	36363711	GG	AA	1940186129
SNP_P1_49449_36363722	NC_021162.1	Ca_kabuli_chr03	36363722	CC	TT	1940186194
SNP_P1_49450_36364660	NC_021162.1	Ca_kabuli_chr03	36364660	CC	TT	1940186248
SNP_P1_49451_36364672	NC_021162.1	Ca_kabuli_chr03	36364672	GG	TT	1940186313
SNP_P1_49452_36366394	NC_021162.1	Ca_kabuli_chr03	36366394	TT	CC	1940186378
SNP_P1_49453_36366426	NC_021162.1	Ca_kabuli_chr03	36366426	TT	CC	1940186411
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SNP_P1_49458_36368438	NC_021162.1	Ca_kabuli_chr03	36368438	AA	CC	1940186490
SNP_P1_49459_36368450	NC_021162.1	Ca_kabuli_chr03	36368450	GG	AA	1940186555
SNP_P1_49461_36371408	NC_021162.1	Ca_kabuli_chr03	36371408	TT	AA	1940186611
SNP_P1_49462_36371463	NC_021162.1	Ca_kabuli_chr03	36371463	AA	GG	1940186675
SNP_P1_49463_36371661	NC_021162.1	Ca_kabuli_chr03	36371661	GG	CC	1940186737
SNP_P1_49465_36371963	NC_021162.1	Ca_kabuli_chr03	36371963	CC	TT	1940186780
SNP_P1_49466_36372210	NC_021162.1	Ca_kabuli_chr03	36372210	CC	GG	1940186781
SNP_P1_49467_36372479	NC_021162.1	Ca_kabuli_chr03	36372479	AA	TT	1940186799
SNP_P1_49468_36372506	NC_021162.1	Ca_kabuli_chr03	36372506	TT	GG	1940186864
SNP_P1_49469_36372519	NC_021162.1	Ca_kabuli_chr03	36372519	AA	TT	1940186917
SNP_P1_49470_36372639	NC_021162.1	Ca_kabuli_chr03	36372639	CC	GG	1940186983
SNP_P1_49471_36372783	NC_021162.1	Ca_kabuli_chr03	36372783	AA	TT	1940187047
SNP_P1_49472_36373041	NC_021162.1	Ca_kabuli_chr03	36373041	AA	TT	1940187084

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49476_36374564	NC_021162.1	Ca_kabuli_chr03	36374564	GG	AA	1940187213
SNP_P1_49477_36374864	NC_021162.1	Ca_kabuli_chr03	36374864	TT	CC	1940187278
SNP_P1_49478_36374961	NC_021162.1	Ca_kabuli_chr03	36374961	GG	AA	1940187325
SNP_P1_49479_36375133	NC_021162.1	Ca_kabuli_chr03	36375133	TT	AA	1940187348
SNP_P1_49480_36375157	NC_021162.1	Ca_kabuli_chr03	36375157	GG	AA	1940187378
SNP_P1_49481_36375782	NC_021162.1	Ca_kabuli_chr03	36375782	AA	CC	1940187411
SNP_P1_49482_36375788	NC_021162.1	Ca_kabuli_chr03	36375788	CC	TT	1940187414
SNP_P1_49483_36375817	NC_021162.1	Ca_kabuli_chr03	36375817	TT	GG	1940187415
SNP_P1_49484_36377115	NC_021162.1	Ca_kabuli_chr03	36377115	AA	TT	1940187416
SNP_P1_49485_36378358	NC_021162.1	Ca_kabuli_chr03	36378358	GG	AA	1940187417
SNP_P1_49486_36379585	NC_021162.1	Ca_kabuli_chr03	36379585	CC	AA	1940187450
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SNP_P1_49490_36379969	NC_021162.1	Ca_kabuli_chr03	36379969	GG	TT	1940187676
SNP_P1_49491_36381331	NC_021162.1	Ca_kabuli_chr03	36381331	CC	AA	1940187739
SNP_P1_49492_36381395	NC_021162.1	Ca_kabuli_chr03	36381395	TT	GG	1940187804
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SNP_P1_49495_36381616	NC_021162.1	Ca_kabuli_chr03	36381616	GG	AA	1940187818
SNP_P1_49496_36381876	NC_021162.1	Ca_kabuli_chr03	36381876	AA	GG	1940187882
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SNP_P1_49498_36381881	NC_021162.1	Ca_kabuli_chr03	36381881	TT	AA	1940187960
SNP_P1_49499_36381892	NC_021162.1	Ca_kabuli_chr03	36381892	AA	GG	1940187985
SNP_P1_49500_36381900	NC_021162.1	Ca_kabuli_chr03	36381900	TT	CC	1940187986
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SNP_P1_49504_36382110	NC_021162.1	Ca_kabuli_chr03	36382110	GG	TT	1940188119
SNP_P1_49505_36382111	NC_021162.1	Ca_kabuli_chr03	36382111	TT	GG	1940188152
SNP_P1_49506_36382293	NC_021162.1	Ca_kabuli_chr03	36382293	TT	CC	1940188154
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SNP_P1_49508_36382336	NC_021162.1	Ca_kabuli_chr03	36382336	GG	AA	1940188241
SNP_P1_49509_36382339	NC_021162.1	Ca_kabuli_chr03	36382339	CC	TT	1940188305
SNP_P1_49510_36382375	NC_021162.1	Ca_kabuli_chr03	36382375	GG	CC	1940188369
SNP_P1_49511_36382416	NC_021162.1	Ca_kabuli_chr03	36382416	GG	TT	1940188409
SNP_P1_49512_36382455	NC_021162.1	Ca_kabuli_chr03	36382455	TT	CC	1940188428
SNP_P1_49513_36382459	NC_021162.1	Ca_kabuli_chr03	36382459	CC	AA	1940188483
SNP_P1_49514_36382497	NC_021162.1	Ca_kabuli_chr03	36382497	AA	GG	1940188511
SNP_P1_49515_36382798	NC_021162.1	Ca_kabuli_chr03	36382798	AA	GG	1940188528
SNP_P1_49516_36382826	NC_021162.1	Ca_kabuli_chr03	36382826	AA	TT	1940188565
SNP_P1_49517_36383151	NC_021162.1	Ca_kabuli_chr03	36383151	CC	TT	1940188603

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49519_36383164	NC_021162.1	Ca_kabuli_chr03	36383164	GG	AA	1940188629
SNP_P1_49520_36383210	NC_021162.1	Ca_kabuli_chr03	36383210	AA	TT	1940188680
SNP_P1_49522_36384909	NC_021162.1	Ca_kabuli_chr03	36384909	GG	AA	1940188745
SNP_P1_49523_36385720	NC_021162.1	Ca_kabuli_chr03	36385720	CC	TT	1940188806
SNP_P1_49524_36385905	NC_021162.1	Ca_kabuli_chr03	36385905	GG	AA	1940188872
SNP_P1_49525_36385912	NC_021162.1	Ca_kabuli_chr03	36385912	AA	GG	1940188901
SNP_P1_49526_36385926	NC_021162.1	Ca_kabuli_chr03	36385926	CC	AA	1940188937
SNP_P1_49527_36385933	NC_021162.1	Ca_kabuli_chr03	36385933	AA	CC	1940188960
SNP_P1_49528_36385934	NC_021162.1	Ca_kabuli_chr03	36385934	TT	CC	1940189006
SNP_P1_49529_36386241	NC_021162.1	Ca_kabuli_chr03	36386241	TT	CC	1940189007
SNP_P1_49530_36386245	NC_021162.1	Ca_kabuli_chr03	36386245	CC	GG	1940189057
SNP_P1_49531_36387352	NC_021162.1	Ca_kabuli_chr03	36387352	GG	CC	1940189121
SNP_P1_49532_36387412	NC_021162.1	Ca_kabuli_chr03	36387412	AA	GG	1940189167
SNP_P1_49533_36387718	NC_021162.1	Ca_kabuli_chr03	36387718	TT	CC	1940189220
SNP_P1_49534_36388293	NC_021162.1	Ca_kabuli_chr03	36388293	GG	CC	1940189238
SNP_P1_49535_36388306	NC_021162.1	Ca_kabuli_chr03	36388306	GG	AA	1940189284
SNP_P1_49536_36388548	NC_021162.1	Ca_kabuli_chr03	36388548	AA	GG	1940189342
SNP_P1_49537_36388567	NC_021162.1	Ca_kabuli_chr03	36388567	CC	AA	1940189398
SNP_P1_49538_36388768	NC_021162.1	Ca_kabuli_chr03	36388768	GG	AA	1940189450
SNP_P1_49539_36388792	NC_021162.1	Ca_kabuli_chr03	36388792	TT	CC	1940189501
SNP_P1_49540_36389096	NC_021162.1	Ca_kabuli_chr03	36389096	GG	AA	1940189565
SNP_P1_49541_36389178	NC_021162.1	Ca_kabuli_chr03	36389178	GG	TT	1940189631
SNP_P1_49542_36389212	NC_021162.1	Ca_kabuli_chr03	36389212	GG	TT	1940189698
SNP_P1_49543_36389394	NC_021162.1	Ca_kabuli_chr03	36389394	AA	TT	1940189718
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SNP_P1_49546_36391499	NC_021162.1	Ca_kabuli_chr03	36391499	TT	CC	1940189868
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SNP_P1_49548_36392074	NC_021162.1	Ca_kabuli_chr03	36392074	GG	TT	1940189985
SNP_P1_49549_36392216	NC_021162.1	Ca_kabuli_chr03	36392216	CC	AA	1940190049
SNP_P1_49552_36393349	NC_021162.1	Ca_kabuli_chr03	36393349	TT	CC	1940190108
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SNP_P1_49557_36397269	NC_021162.1	Ca_kabuli_chr03	36397269	TT	GG	1940190272
SNP_P1_49558_36397387	NC_021162.1	Ca_kabuli_chr03	36397387	GG	AA	1940190318
SNP_P1_49559_36397447	NC_021162.1	Ca_kabuli_chr03	36397447	GG	AA	1940190380
SNP_P1_49560_36397463	NC_021162.1	Ca_kabuli_chr03	36397463	GG	TT	1940190440
SNP_P1_49561_36397491	NC_021162.1	Ca_kabuli_chr03	36397491	CC	TT	1940190505
SNP_P1_49562_36398461	NC_021162.1	Ca_kabuli_chr03	36398461	TT	CC	1940190562
SNP_P1_49563_36399005	NC_021162.1	Ca_kabuli_chr03	36399005	TT	AA	1940190624
SNP_P1_49564_36399137	NC_021162.1	Ca_kabuli_chr03	36399137	AA	GG	1940190630

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49568_36399415	NC_021162.1	Ca_kabuli_chr03	36399415	TT	CC	1940190686
SNP_P1_49569_36399459	NC_021162.1	Ca_kabuli_chr03	36399459	AA	GG	1940190751
SNP_P1_49571_36399532	NC_021162.1	Ca_kabuli_chr03	36399532	GG	AA	1940190802
SNP_P1_49572_36399687	NC_021162.1	Ca_kabuli_chr03	36399687	AA	TT	1940190860
SNP_P1_49573_36399707	NC_021162.1	Ca_kabuli_chr03	36399707	CC	TT	1940190917
SNP_P1_49574_36399765	NC_021162.1	Ca_kabuli_chr03	36399765	TT	CC	1940190966
SNP_P1_49575_36401097	NC_021162.1	Ca_kabuli_chr03	36401097	GG	AA	1940191021
SNP_P1_49576_36401131	NC_021162.1	Ca_kabuli_chr03	36401131	AA	GG	1940191078
SNP_P1_49578_36403147	NC_021162.1	Ca_kabuli_chr03	36403147	CC	GG	1940191142
SNP_P1_49580_36403643	NC_021162.1	Ca_kabuli_chr03	36403643	GG	AA	1940191169
SNP_P1_49581_36403656	NC_021162.1	Ca_kabuli_chr03	36403656	GG	AA	1940191218
SNP_P1_49582_36403810	NC_021162.1	Ca_kabuli_chr03	36403810	TT	GG	1940191219
SNP_P1_49583_36404055	NC_021162.1	Ca_kabuli_chr03	36404055	CC	TT	1940191222
SNP_P1_49585_36404167	NC_021162.1	Ca_kabuli_chr03	36404167	GG	TT	1940191286
SNP_P1_49586_36404908	NC_021162.1	Ca_kabuli_chr03	36404908	GG	AA	1940191351
SNP_P1_49587_36404974	NC_021162.1	Ca_kabuli_chr03	36404974	CC	TT	1940191409
SNP_P1_49588_36405072	NC_021162.1	Ca_kabuli_chr03	36405072	GG	AA	1940191473
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SNP_P1_49592_36407243	NC_021162.1	Ca_kabuli_chr03	36407243	AA	GG	1940191572
SNP_P1_49593_36407572	NC_021162.1	Ca_kabuli_chr03	36407572	CC	GG	1940191637
SNP_P1_49594_36407842	NC_021162.1	Ca_kabuli_chr03	36407842	CC	TT	1940191683
SNP_P1_49595_36407880	NC_021162.1	Ca_kabuli_chr03	36407880	CC	GG	1940191748
SNP_P1_49596_36409162	NC_021162.1	Ca_kabuli_chr03	36409162	GG	AA	1940191813
SNP_P1_49597_36409969	NC_021162.1	Ca_kabuli_chr03	36409969	GG	AA	1940191860
SNP_P1_49598_36410206	NC_021162.1	Ca_kabuli_chr03	36410206	AA	GG	1940191881
SNP_P1_49602_36410699	NC_021162.1	Ca_kabuli_chr03	36410699	AA	GG	1940191882
SNP_P1_49603_36410824	NC_021162.1	Ca_kabuli_chr03	36410824	CC	TT	1940191886
SNP_P1_49604_36411843	NC_021162.1	Ca_kabuli_chr03	36411843	CC	AA	1940191940
SNP_P1_49605_36411894	NC_021162.1	Ca_kabuli_chr03	36411894	CC	TT	1940191987
SNP_P1_49606_36412179	NC_021162.1	Ca_kabuli_chr03	36412179	CC	TT	1940192053
SNP_P1_49607_36412435	NC_021162.1	Ca_kabuli_chr03	36412435	TT	CC	1940192112
SNP_P1_49608_36412494	NC_021162.1	Ca_kabuli_chr03	36412494	GG	AA	1940192181
SNP_P1_49609_36412555	NC_021162.1	Ca_kabuli_chr03	36412555	AA	GG	1940192237
SNP_P1_49610_36412564	NC_021162.1	Ca_kabuli_chr03	36412564	AA	GG	1940192301
SNP_P1_49611_36412624	NC_021162.1	Ca_kabuli_chr03	36412624	TT	AA	1940192370
SNP_P1_49613_36413064	NC_021162.1	Ca_kabuli_chr03	36413064	GG	AA	1940192395
SNP_P1_49614_36413196	NC_021162.1	Ca_kabuli_chr03	36413196	CC	TT	1940192460
SNP_P1_49615_36413213	NC_021162.1	Ca_kabuli_chr03	36413213	GG	AA	1940192526
SNP_P1_49616_36414097	NC_021162.1	Ca_kabuli_chr03	36414097	AA	GG	1940192545
SNP_P1_49617_36414103	NC_021162.1	Ca_kabuli_chr03	36414103	CC	TT	1940192609

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49619_36414361	NC_021162.1	Ca_kabuli_chr03	36414361	TT	GG	1940192711
SNP_P1_49620_36414380	NC_021162.1	Ca_kabuli_chr03	36414380	GG	AA	1940192743
SNP_P1_49621_36414398	NC_021162.1	Ca_kabuli_chr03	36414398	CC	TT	1940192797
SNP_P1_49623_36415725	NC_021162.1	Ca_kabuli_chr03	36415725	AA	CC	1940192861
SNP_P1_49624_36416652	NC_021162.1	Ca_kabuli_chr03	36416652	AA	GG	1940192916
SNP_P1_49625_36416697	NC_021162.1	Ca_kabuli_chr03	36416697	TT	GG	1940192974
SNP_P1_49626_36416710	NC_021162.1	Ca_kabuli_chr03	36416710	AA	GG	1940193035
SNP_P1_49627_36416732	NC_021162.1	Ca_kabuli_chr03	36416732	GG	AA	1940193036
SNP_P1_49628_36416754	NC_021162.1	Ca_kabuli_chr03	36416754	CC	GG	1940193053
SNP_P1_49629_36416970	NC_021162.1	Ca_kabuli_chr03	36416970	CC	AA	1940193119
SNP_P1_49630_36417004	NC_021162.1	Ca_kabuli_chr03	36417004	AA	TT	1940193185
SNP_P1_49631_36417213	NC_021162.1	Ca_kabuli_chr03	36417213	AA	TT	1940193226
SNP_P1_49632_36417267	NC_021162.1	Ca_kabuli_chr03	36417267	TT	CC	1940193253
SNP_P1_49633_36417512	NC_021162.1	Ca_kabuli_chr03	36417512	CC	AA	1940193317
SNP_P1_49634_36417528	NC_021162.1	Ca_kabuli_chr03	36417528	TT	GG	1940193386
SNP_P1_49635_36417557	NC_021162.1	Ca_kabuli_chr03	36417557	GG	AA	1940193449
SNP_P1_49636_36417634	NC_021162.1	Ca_kabuli_chr03	36417634	CC	TT	1940193503
SNP_P1_49637_36418092	NC_021162.1	Ca_kabuli_chr03	36418092	CC	TT	1940193571
SNP_P1_49638_36418442	NC_021162.1	Ca_kabuli_chr03	36418442	CC	TT	1940193627
SNP_P1_49641_36418920	NC_021162.1	Ca_kabuli_chr03	36418920	CC	TT	1940193673
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SNP_P1_49644_36419464	NC_021162.1	Ca_kabuli_chr03	36419464	TT	CC	1940193855
SNP_P1_49645_36419587	NC_021162.1	Ca_kabuli_chr03	36419587	CC	TT	1940193916
SNP_P1_49646_36419601	NC_021162.1	Ca_kabuli_chr03	36419601	AA	CC	1940193957
SNP_P1_49647_36419675	NC_021162.1	Ca_kabuli_chr03	36419675	CC	TT	1940194022
SNP_P1_49648_36419714	NC_021162.1	Ca_kabuli_chr03	36419714	GG	AA	1940194054
SNP_P1_49649_36419716	NC_021162.1	Ca_kabuli_chr03	36419716	CC	TT	1940194106
SNP_P1_49650_36419719	NC_021162.1	Ca_kabuli_chr03	36419719	GG	AA	1940194171
SNP_P1_49651_36419732	NC_021162.1	Ca_kabuli_chr03	36419732	GG	AA	1940194204
SNP_P1_49652_36419740	NC_021162.1	Ca_kabuli_chr03	36419740	TT	CC	1940194249
SNP_P1_49653_36419757	NC_021162.1	Ca_kabuli_chr03	36419757	CC	TT	1940194312
SNP_P1_49655_36419827	NC_021162.1	Ca_kabuli_chr03	36419827	GG	AA	1940194330
SNP_P1_49656_36420013	NC_021162.1	Ca_kabuli_chr03	36420013	TT	CC	1940194395
SNP_P1_49657_36420015	NC_021162.1	Ca_kabuli_chr03	36420015	AA	GG	1940194460
SNP_P1_49658_36420032	NC_021162.1	Ca_kabuli_chr03	36420032	CC	GG	1940194526
SNP_P1_49659_36420044	NC_021162.1	Ca_kabuli_chr03	36420044	TT	GG	1940194592
SNP_P1_49660_36420051	NC_021162.1	Ca_kabuli_chr03	36420051	TT	CC	1940194643
SNP_P1_49661_36420067	NC_021162.1	Ca_kabuli_chr03	36420067	GG	AA	1940194715
SNP_P1_49662_36420081	NC_021162.1	Ca_kabuli_chr03	36420081	CC	AA	1940194752
SNP_P1_49663_36420118	NC_021162.1	Ca_kabuli_chr03	36420118	CC	TT	1940194803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49667_36420412	NC_021162.1	Ca_kabuli_chr03	36420412	CC	GG	1940194891
SNP_P1_49669_36420596	NC_021162.1	Ca_kabuli_chr03	36420596	AA	GG	1940194952
SNP_P1_49670_36420670	NC_021162.1	Ca_kabuli_chr03	36420670	GG	AA	1940195003
SNP_P1_49671_36420709	NC_021162.1	Ca_kabuli_chr03	36420709	CC	TT	1940195046
SNP_P1_49672_36420902	NC_021162.1	Ca_kabuli_chr03	36420902	CC	TT	1940195083
SNP_P1_49674_36421301	NC_021162.1	Ca_kabuli_chr03	36421301	AA	TT	1940195120
SNP_P1_49675_36421315	NC_021162.1	Ca_kabuli_chr03	36421315	GG	AA	1940195135
SNP_P1_49676_36421681	NC_021162.1	Ca_kabuli_chr03	36421681	AA	TT	1940195170
SNP_P1_49677_36422053	NC_021162.1	Ca_kabuli_chr03	36422053	CC	AA	1940195229
SNP_P1_49678_36424448	NC_021162.1	Ca_kabuli_chr03	36424448	GG	CC	1940195283
SNP_P1_49679_36426061	NC_021162.1	Ca_kabuli_chr03	36426061	AA	CC	1940195343
SNP_P1_49681_36427984	NC_021162.1	Ca_kabuli_chr03	36427984	TT	CC	1940195404
SNP_P1_49683_36432726	NC_021162.1	Ca_kabuli_chr03	36432726	TT	CC	1940195412
SNP_P1_49684_36432729	NC_021162.1	Ca_kabuli_chr03	36432729	GG	TT	1940195472
SNP_P1_49685_36432762	NC_021162.1	Ca_kabuli_chr03	36432762	TT	CC	1940195532
SNP_P1_49686_36433588	NC_021162.1	Ca_kabuli_chr03	36433588	TT	CC	1940195588
SNP_P1_49687_36434919	NC_021162.1	Ca_kabuli_chr03	36434919	AA	CC	1940195610
SNP_P1_49688_36434933	NC_021162.1	Ca_kabuli_chr03	36434933	AA	GG	1940195621
SNP_P1_49689_36435141	NC_021162.1	Ca_kabuli_chr03	36435141	GG	AA	1940195679
SNP_P1_49691_36436251	NC_021162.1	Ca_kabuli_chr03	36436251	CC	TT	1940195742
SNP_P1_49692_36436273	NC_021162.1	Ca_kabuli_chr03	36436273	CC	TT	1940195802
SNP_P1_49693_36436284	NC_021162.1	Ca_kabuli_chr03	36436284	GG	AA	1940195855
SNP_P1_49694_36436304	NC_021162.1	Ca_kabuli_chr03	36436304	GG	AA	1940195923
SNP_P1_49696_36436370	NC_021162.1	Ca_kabuli_chr03	36436370	CC	TT	1940195988
SNP_P1_49697_36436388	NC_021162.1	Ca_kabuli_chr03	36436388	AA	GG	1940196000
SNP_P1_49698_36436405	NC_021162.1	Ca_kabuli_chr03	36436405	GG	CC	1940196016
SNP_P1_49699_36436494	NC_021162.1	Ca_kabuli_chr03	36436494	CC	TT	1940196081
SNP_P1_49700_36436522	NC_021162.1	Ca_kabuli_chr03	36436522	AA	GG	1940196141
SNP_P1_49701_36436541	NC_021162.1	Ca_kabuli_chr03	36436541	AA	CC	1940196171
SNP_P1_49702_36436581	NC_021162.1	Ca_kabuli_chr03	36436581	CC	GG	1940196208
SNP_P1_49703_36436825	NC_021162.1	Ca_kabuli_chr03	36436825	AA	GG	1940196274
SNP_P1_49704_36437106	NC_021162.1	Ca_kabuli_chr03	36437106	CC	AA	1940196327
SNP_P1_49706_36437426	NC_021162.1	Ca_kabuli_chr03	36437426	AA	TT	1940196350
SNP_P1_49707_36437474	NC_021162.1	Ca_kabuli_chr03	36437474	GG	CC	1940196374
SNP_P1_49708_36437656	NC_021162.1	Ca_kabuli_chr03	36437656	AA	GG	1940196417
SNP_P1_49709_36437673	NC_021162.1	Ca_kabuli_chr03	36437673	GG	TT	1940196474
SNP_P1_49710_36437731	NC_021162.1	Ca_kabuli_chr03	36437731	AA	GG	1940196521
SNP_P1_49711_36437749	NC_021162.1	Ca_kabuli_chr03	36437749	AA	GG	1940196583
SNP_P1_49712_36437971	NC_021162.1	Ca_kabuli_chr03	36437971	TT	GG	1940196608
SNP_P1_49713_36437976	NC_021162.1	Ca_kabuli_chr03	36437976	TT	AA	1940196629
SNP_P1_49714_36437982	NC_021162.1	Ca_kabuli_chr03	36437982	GG	TT	1940196630

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49716_36438728	NC_021162.1	Ca_kabuli_chr03	36438728	CC	TT	1940196632
SNP_P1_49718_36438794	NC_021162.1	Ca_kabuli_chr03	36438794	GG	AA	1940196633
SNP_P1_49719_36438796	NC_021162.1	Ca_kabuli_chr03	36438796	GG	AA	1940196634
SNP_P1_49721_36439025	NC_021162.1	Ca_kabuli_chr03	36439025	CC	TT	1940196635
SNP_P1_49722_36439074	NC_021162.1	Ca_kabuli_chr03	36439074	CC	TT	1940196636
SNP_P1_49723_36439081	NC_021162.1	Ca_kabuli_chr03	36439081	CC	TT	1940196637
SNP_P1_49724_36439082	NC_021162.1	Ca_kabuli_chr03	36439082	GG	TT	1940196638
SNP_P1_49725_36439346	NC_021162.1	Ca_kabuli_chr03	36439346	CC	TT	1940196639
SNP_P1_49726_36439492	NC_021162.1	Ca_kabuli_chr03	36439492	CC	GG	1940196640
SNP_P1_49727_36440325	NC_021162.1	Ca_kabuli_chr03	36440325	AA	GG	1940196641
SNP_P1_49729_36440518	NC_021162.1	Ca_kabuli_chr03	36440518	GG	AA	1940196642
SNP_P1_49730_36440556	NC_021162.1	Ca_kabuli_chr03	36440556	AA	GG	1940196643
SNP_P1_49731_36440557	NC_021162.1	Ca_kabuli_chr03	36440557	GG	AA	1940196699
SNP_P1_49732_36440558	NC_021162.1	Ca_kabuli_chr03	36440558	TT	CC	1940196762
SNP_P1_49733_36440559	NC_021162.1	Ca_kabuli_chr03	36440559	CC	TT	1940196825
SNP_P1_49734_36440940	NC_021162.1	Ca_kabuli_chr03	36440940	AA	CC	1940196890
SNP_P1_49735_36440950	NC_021162.1	Ca_kabuli_chr03	36440950	AA	CC	1940196957
SNP_P1_49736_36441106	NC_021162.1	Ca_kabuli_chr03	36441106	TT	AA	1940197010
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SNP_P1_49738_36441702	NC_021162.1	Ca_kabuli_chr03	36441702	GG	AA	1940197115
SNP_P1_49739_36441956	NC_021162.1	Ca_kabuli_chr03	36441956	AA	GG	1940197180
SNP_P1_49740_36441977	NC_021162.1	Ca_kabuli_chr03	36441977	TT	CC	1940197223
SNP_P1_49741_36442104	NC_021162.1	Ca_kabuli_chr03	36442104	CC	AA	1940197287
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SNP_P1_49743_36442291	NC_021162.1	Ca_kabuli_chr03	36442291	GG	CC	1940197314
SNP_P1_49744_36442468	NC_021162.1	Ca_kabuli_chr03	36442468	AA	GG	1940197315
SNP_P1_49747_36443166	NC_021162.1	Ca_kabuli_chr03	36443166	GG	AA	1940197316
SNP_P1_49748_36443225	NC_021162.1	Ca_kabuli_chr03	36443225	GG	AA	1940197317
SNP_P1_49749_36443278	NC_021162.1	Ca_kabuli_chr03	36443278	CC	TT	1940197318
SNP_P1_49750_36444351	NC_021162.1	Ca_kabuli_chr03	36444351	CC	GG	1940197319
SNP_P1_49751_36444357	NC_021162.1	Ca_kabuli_chr03	36444357	GG	TT	1940197320
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SNP_P1_49753_36444401	NC_021162.1	Ca_kabuli_chr03	36444401	CC	TT	1940197322
SNP_P1_49754_36444433	NC_021162.1	Ca_kabuli_chr03	36444433	CC	AA	1940197323
SNP_P1_49755_36444447	NC_021162.1	Ca_kabuli_chr03	36444447	AA	TT	1940197324
SNP_P1_49756_36444580	NC_021162.1	Ca_kabuli_chr03	36444580	TT	CC	1940197325
SNP_P1_49757_36444983	NC_021162.1	Ca_kabuli_chr03	36444983	TT	GG	1940197362
SNP_P1_49758_36444989	NC_021162.1	Ca_kabuli_chr03	36444989	TT	CC	1940197422
SNP_P1_49759_36445001	NC_021162.1	Ca_kabuli_chr03	36445001	CC	GG	1940197469
SNP_P1_49760_36446066	NC_021162.1	Ca_kabuli_chr03	36446066	CC	TT	1940197533
SNP_P1_49761_36446102	NC_021162.1	Ca_kabuli_chr03	36446102	AA	TT	1940197551

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49765_36446685	NC_021162.1	Ca_kabuli_chr03	36446685	AA	TT	1940197658
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SNP_P1_49768_36447520	NC_021162.1	Ca_kabuli_chr03	36447520	TT	AA	1940197725
SNP_P1_49769_36447525	NC_021162.1	Ca_kabuli_chr03	36447525	CC	TT	1940197790
SNP_P1_49770_36447733	NC_021162.1	Ca_kabuli_chr03	36447733	AA	GG	1940197856
SNP_P1_49771_36448437	NC_021162.1	Ca_kabuli_chr03	36448437	TT	CC	1940197917
SNP_P1_49774_36449110	NC_021162.1	Ca_kabuli_chr03	36449110	CC	AA	1940197982
SNP_P1_49775_36449144	NC_021162.1	Ca_kabuli_chr03	36449144	TT	AA	1940198048
SNP_P1_49776_36450219	NC_021162.1	Ca_kabuli_chr03	36450219	CC	TT	1940198114
SNP_P1_49777_36450362	NC_021162.1	Ca_kabuli_chr03	36450362	TT	GG	1940198179
SNP_P1_49778_36450375	NC_021162.1	Ca_kabuli_chr03	36450375	AA	GG	1940198239
SNP_P1_49779_36450382	NC_021162.1	Ca_kabuli_chr03	36450382	GG	AA	1940198305
SNP_P1_49780_36450599	NC_021162.1	Ca_kabuli_chr03	36450599	GG	AA	1940198343
SNP_P1_49781_36451199	NC_021162.1	Ca_kabuli_chr03	36451199	TT	AA	1940198407
SNP_P1_49783_36451237	NC_021162.1	Ca_kabuli_chr03	36451237	AA	GG	1940198472
SNP_P1_49784_36451244	NC_021162.1	Ca_kabuli_chr03	36451244	GG	AA	1940198509
SNP_P1_49785_36451482	NC_021162.1	Ca_kabuli_chr03	36451482	GG	AA	1940198510
SNP_P1_49786_36451514	NC_021162.1	Ca_kabuli_chr03	36451514	CC	AA	1940198574
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SNP_P1_49788_36452134	NC_021162.1	Ca_kabuli_chr03	36452134	CC	AA	1940198651
SNP_P1_49789_36452245	NC_021162.1	Ca_kabuli_chr03	36452245	AA	GG	1940198695
SNP_P1_49790_36452293	NC_021162.1	Ca_kabuli_chr03	36452293	CC	TT	1940198755
SNP_P1_49791_36452417	NC_021162.1	Ca_kabuli_chr03	36452417	GG	AA	1940198776
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SNP_P1_49794_36452457	NC_021162.1	Ca_kabuli_chr03	36452457	GG	AA	1940198952
SNP_P1_49796_36455599	NC_021162.1	Ca_kabuli_chr03	36455599	CC	AA	1940198970
SNP_P1_49797_36455669	NC_021162.1	Ca_kabuli_chr03	36455669	TT	CC	1940198990
SNP_P1_49798_36455681	NC_021162.1	Ca_kabuli_chr03	36455681	TT	GG	1940199042
SNP_P1_49800_36455820	NC_021162.1	Ca_kabuli_chr03	36455820	CC	TT	1940199108
SNP_P1_49802_36456747	NC_021162.1	Ca_kabuli_chr03	36456747	TT	GG	1940199158
SNP_P1_49803_36457350	NC_021162.1	Ca_kabuli_chr03	36457350	AA	GG	1940199223
SNP_P1_49804_36457493	NC_021162.1	Ca_kabuli_chr03	36457493	TT	CC	1940199259
SNP_P1_49805_36457518	NC_021162.1	Ca_kabuli_chr03	36457518	CC	TT	1940199267
SNP_P1_49807_36458015	NC_021162.1	Ca_kabuli_chr03	36458015	AA	GG	1940199332
SNP_P1_49810_36458368	NC_021162.1	Ca_kabuli_chr03	36458368	TT	GG	1940199384
SNP_P1_49811_36458371	NC_021162.1	Ca_kabuli_chr03	36458371	AA	GG	1940199435
SNP_P1_49812_36460299	NC_021162.1	Ca_kabuli_chr03	36460299	TT	CC	1940199500
SNP_P1_49813_36460853	NC_021162.1	Ca_kabuli_chr03	36460853	GG	TT	1940199549

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49815_36461334	NC_021162.1	Ca_kabuli_chr03	36461334	AA	GG	1940199667
SNP_P1_49816_36461339	NC_021162.1	Ca_kabuli_chr03	36461339	AA	CC	1940199731
SNP_P1_49817_36461357	NC_021162.1	Ca_kabuli_chr03	36461357	GG	AA	1940199784
SNP_P1_49818_36461365	NC_021162.1	Ca_kabuli_chr03	36461365	GG	AA	1940199825
SNP_P1_49819_36463062	NC_021162.1	Ca_kabuli_chr03	36463062	CC	TT	1940199849
SNP_P1_49820_36463293	NC_021162.1	Ca_kabuli_chr03	36463293	TT	CC	1940199888
SNP_P1_49821_36464093	NC_021162.1	Ca_kabuli_chr03	36464093	AA	GG	1940199951
SNP_P1_49822_36464136	NC_021162.1	Ca_kabuli_chr03	36464136	AA	GG	1940200008
SNP_P1_49825_36465308	NC_021162.1	Ca_kabuli_chr03	36465308	TT	GG	1940200068
SNP_P1_49826_36465998	NC_021162.1	Ca_kabuli_chr03	36465998	TT	AA	1940200131
SNP_P1_49827_36466015	NC_021162.1	Ca_kabuli_chr03	36466015	TT	CC	1940200165
SNP_P1_49828_36466031	NC_021162.1	Ca_kabuli_chr03	36466031	TT	CC	1940200234
SNP_P1_49830_36466085	NC_021162.1	Ca_kabuli_chr03	36466085	TT	GG	1940200288
SNP_P1_49831_36466111	NC_021162.1	Ca_kabuli_chr03	36466111	CC	AA	1940200352
SNP_P1_49832_36466228	NC_021162.1	Ca_kabuli_chr03	36466228	AA	GG	1940200386
SNP_P1_49833_36466902	NC_021162.1	Ca_kabuli_chr03	36466902	TT	CC	1940200387
SNP_P1_49834_36466935	NC_021162.1	Ca_kabuli_chr03	36466935	GG	AA	1940200430
SNP_P1_49835_36467087	NC_021162.1	Ca_kabuli_chr03	36467087	GG	AA	1940200496
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SNP_P1_49841_36468023	NC_021162.1	Ca_kabuli_chr03	36468023	GG	AA	1940200782
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SNP_P1_49846_36470528	NC_021162.1	Ca_kabuli_chr03	36470528	GG	CC	1940200936
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SNP_P1_49848_36473504	NC_021162.1	Ca_kabuli_chr03	36473504	CC	AA	1940201005
SNP_P1_49850_36474352	NC_021162.1	Ca_kabuli_chr03	36474352	AA	TT	1940201074
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SNP_P1_49854_36474702	NC_021162.1	Ca_kabuli_chr03	36474702	GG	AA	1940201282
SNP_P1_49855_36474706	NC_021162.1	Ca_kabuli_chr03	36474706	AA	GG	1940201316
SNP_P1_49856_36475811	NC_021162.1	Ca_kabuli_chr03	36475811	AA	CC	1940201382
SNP_P1_49857_36475872	NC_021162.1	Ca_kabuli_chr03	36475872	TT	CC	1940201415
SNP_P1_49858_36476063	NC_021162.1	Ca_kabuli_chr03	36476063	GG	TT	1940201455
SNP_P1_49859_36476114	NC_021162.1	Ca_kabuli_chr03	36476114	AA	TT	1940201524
SNP_P1_49860_36476131	NC_021162.1	Ca_kabuli_chr03	36476131	CC	TT	1940201545

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49864_36476311	NC_021162.1	Ca_kabuli_chr03	36476311	AA	GG	1940201628
SNP_P1_49866_36476333	NC_021162.1	Ca_kabuli_chr03	36476333	CC	TT	1940201685
SNP_P1_49867_36476351	NC_021162.1	Ca_kabuli_chr03	36476351	TT	GG	1940201722
SNP_P1_49868_36476413	NC_021162.1	Ca_kabuli_chr03	36476413	TT	GG	1940201760
SNP_P1_49869_36476992	NC_021162.1	Ca_kabuli_chr03	36476992	TT	CC	1940201825
SNP_P1_49870_36477769	NC_021162.1	Ca_kabuli_chr03	36477769	GG	CC	1940201889
SNP_P1_49871_36478056	NC_021162.1	Ca_kabuli_chr03	36478056	CC	TT	1940201937
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SNP_P1_49873_36480123	NC_021162.1	Ca_kabuli_chr03	36480123	GG	CC	1940202048
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SNP_P1_49881_36482927	NC_021162.1	Ca_kabuli_chr03	36482927	TT	CC	1940202395
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SNP_P1_49884_36483339	NC_021162.1	Ca_kabuli_chr03	36483339	CC	TT	1940202570
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SNP_P1_49890_36485131	NC_021162.1	Ca_kabuli_chr03	36485131	AA	GG	1940202822
SNP_P1_49891_36485473	NC_021162.1	Ca_kabuli_chr03	36485473	TT	CC	1940202888
SNP_P1_49893_36485520	NC_021162.1	Ca_kabuli_chr03	36485520	CC	TT	1940202933
SNP_P1_49895_36485870	NC_021162.1	Ca_kabuli_chr03	36485870	AA	TT	1940202973
SNP_P1_49897_36485999	NC_021162.1	Ca_kabuli_chr03	36485999	AA	TT	1940203038
SNP_P1_49898_36486242	NC_021162.1	Ca_kabuli_chr03	36486242	GG	AA	1940203103
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SNP_P1_49900_36487089	NC_021162.1	Ca_kabuli_chr03	36487089	TT	AA	1940203228
SNP_P1_49901_36487096	NC_021162.1	Ca_kabuli_chr03	36487096	TT	GG	1940203280
SNP_P1_49902_36488722	NC_021162.1	Ca_kabuli_chr03	36488722	TT	AA	1940203345
SNP_P1_49903_36488736	NC_021162.1	Ca_kabuli_chr03	36488736	TT	CC	1940203410
SNP_P1_49904_36488953	NC_021162.1	Ca_kabuli_chr03	36488953	TT	CC	1940203412
SNP_P1_49905_36488972	NC_021162.1	Ca_kabuli_chr03	36488972	CC	TT	1940203460
SNP_P1_49906_36489094	NC_021162.1	Ca_kabuli_chr03	36489094	GG	AA	1940203524
SNP_P1_49907_36489179	NC_021162.1	Ca_kabuli_chr03	36489179	GG	AA	1940203568
SNP_P1_49908_36489230	NC_021162.1	Ca_kabuli_chr03	36489230	AA	GG	1940203632
SNP_P1_49909_36489256	NC_021162.1	Ca_kabuli_chr03	36489256	GG	AA	1940203686
SNP_P1_49910_36489389	NC_021162.1	Ca_kabuli_chr03	36489389	GG	TT	1940203753

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49912_36489556	NC_021162.1	Ca_kabuli_chr03	36489556	AA	GG	1940203813
SNP_P1_49913_36489564	NC_021162.1	Ca_kabuli_chr03	36489564	AA	TT	1940203831
SNP_P1_49915_36489625	NC_021162.1	Ca_kabuli_chr03	36489625	GG	AA	1940203897
SNP_P1_49917_36490689	NC_021162.1	Ca_kabuli_chr03	36490689	CC	TT	1940203945
SNP_P1_49918_36490886	NC_021162.1	Ca_kabuli_chr03	36490886	TT	CC	1940204005
SNP_P1_49919_36490893	NC_021162.1	Ca_kabuli_chr03	36490893	TT	CC	1940204067
SNP_P1_49920_36492570	NC_021162.1	Ca_kabuli_chr03	36492570	AA	GG	1940204134
SNP_P1_49922_36496018	NC_021162.1	Ca_kabuli_chr03	36496018	TT	CC	1940204198
SNP_P1_49923_36496029	NC_021162.1	Ca_kabuli_chr03	36496029	TT	CC	1940204250
SNP_P1_49924_36496083	NC_021162.1	Ca_kabuli_chr03	36496083	TT	CC	1940204315
SNP_P1_49925_36496084	NC_021162.1	Ca_kabuli_chr03	36496084	GG	CC	1940204346
SNP_P1_49926_36497369	NC_021162.1	Ca_kabuli_chr03	36497369	AA	CC	1940204347
SNP_P1_49927_36498068	NC_021162.1	Ca_kabuli_chr03	36498068	TT	CC	1940204356
SNP_P1_49928_36498134	NC_021162.1	Ca_kabuli_chr03	36498134	CC	TT	1940204361
SNP_P1_49929_36498403	NC_021162.1	Ca_kabuli_chr03	36498403	AA	GG	1940204362
SNP_P1_49930_36499325	NC_021162.1	Ca_kabuli_chr03	36499325	AA	TT	1940204427
SNP_P1_49931_36499335	NC_021162.1	Ca_kabuli_chr03	36499335	CC	TT	1940204475
SNP_P1_49932_36499544	NC_021162.1	Ca_kabuli_chr03	36499544	GG	CC	1940204498
SNP_P1_49933_36499575	NC_021162.1	Ca_kabuli_chr03	36499575	AA	GG	1940204563
SNP_P1_49934_36499745	NC_021162.1	Ca_kabuli_chr03	36499745	TT	AA	1940204604
SNP_P1_49935_36499795	NC_021162.1	Ca_kabuli_chr03	36499795	TT	CC	1940204643
SNP_P1_49936_36499803	NC_021162.1	Ca_kabuli_chr03	36499803	CC	TT	1940204708
SNP_P1_49937_36499847	NC_021162.1	Ca_kabuli_chr03	36499847	TT	GG	1940204748
SNP_P1_49938_36499866	NC_021162.1	Ca_kabuli_chr03	36499866	AA	TT	1940204766
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SNP_P1_49943_36503455	NC_021162.1	Ca_kabuli_chr03	36503455	GG	TT	1940205037
SNP_P1_49944_36503556	NC_021162.1	Ca_kabuli_chr03	36503556	TT	CC	1940205100
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SNP_P1_49946_36505429	NC_021162.1	Ca_kabuli_chr03	36505429	TT	CC	1940205211
SNP_P1_49947_36505437	NC_021162.1	Ca_kabuli_chr03	36505437	TT	AA	1940205283
SNP_P1_49948_36505837	NC_021162.1	Ca_kabuli_chr03	36505837	TT	AA	1940205329
SNP_P1_49949_36506133	NC_021162.1	Ca_kabuli_chr03	36506133	AA	GG	1940205395
SNP_P1_49950_36506154	NC_021162.1	Ca_kabuli_chr03	36506154	AA	CC	1940205461
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SNP_P1_49952_36506857	NC_021162.1	Ca_kabuli_chr03	36506857	GG	AA	1940205580
SNP_P1_49953_36507103	NC_021162.1	Ca_kabuli_chr03	36507103	GG	AA	1940205645
SNP_P1_49954_36507144	NC_021162.1	Ca_kabuli_chr03	36507144	TT	AA	1940205708
SNP_P1_49955_36507174	NC_021162.1	Ca_kabuli_chr03	36507174	CC	TT	1940205736
SNP_P1_49956_36507182	NC_021162.1	Ca_kabuli_chr03	36507182	AA	GG	1940205760

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_49958_36507390	NC_021162.1	Ca_kabuli_chr03	36507390	AA	GG	1940205780
SNP_P1_49959_36507575	NC_021162.1	Ca_kabuli_chr03	36507575	AA	GG	1940205847
SNP_P1_49960_36508466	NC_021162.1	Ca_kabuli_chr03	36508466	AA	GG	1940205906
SNP_P1_49963_36509346	NC_021162.1	Ca_kabuli_chr03	36509346	TT	CC	1940205973
SNP_P1_49964_36509560	NC_021162.1	Ca_kabuli_chr03	36509560	GG	AA	1940206024
SNP_P1_49965_36509571	NC_021162.1	Ca_kabuli_chr03	36509571	GG	AA	1940206081
SNP_P1_49966_36509577	NC_021162.1	Ca_kabuli_chr03	36509577	CC	TT	1940206145
SNP_P1_49967_36510599	NC_021162.1	Ca_kabuli_chr03	36510599	TT	AA	1940206218
SNP_P1_49968_36510633	NC_021162.1	Ca_kabuli_chr03	36510633	GG	TT	1940206271
SNP_P1_49970_36515063	NC_021162.1	Ca_kabuli_chr03	36515063	TT	CC	1940206343
SNP_P1_49971_36515564	NC_021162.1	Ca_kabuli_chr03	36515564	GG	AA	1940206375
SNP_P1_49972_36515655	NC_021162.1	Ca_kabuli_chr03	36515655	TT	CC	1940206448
SNP_P1_49973_36516576	NC_021162.1	Ca_kabuli_chr03	36516576	CC	AA	1940206514
SNP_P1_49974_36516611	NC_021162.1	Ca_kabuli_chr03	36516611	GG	AA	1940206577
SNP_P1_49975_36516824	NC_021162.1	Ca_kabuli_chr03	36516824	TT	AA	1940206646
SNP_P1_49977_36517133	NC_021162.1	Ca_kabuli_chr03	36517133	CC	AA	1940206711
SNP_P1_49978_36517162	NC_021162.1	Ca_kabuli_chr03	36517162	CC	AA	1940206732
SNP_P1_49979_36517286	NC_021162.1	Ca_kabuli_chr03	36517286	GG	TT	1940206790
SNP_P1_49980_36518402	NC_021162.1	Ca_kabuli_chr03	36518402	TT	GG	1940206799
SNP_P1_49981_36518686	NC_021162.1	Ca_kabuli_chr03	36518686	GG	TT	1940206864
SNP_P1_49982_36518687	NC_021162.1	Ca_kabuli_chr03	36518687	TT	AA	1940206899
SNP_P1_49984_36519142	NC_021162.1	Ca_kabuli_chr03	36519142	TT	CC	1940206901
SNP_P1_49986_36519691	NC_021162.1	Ca_kabuli_chr03	36519691	AA	TT	1940206966
SNP_P1_49987_36519817	NC_021162.1	Ca_kabuli_chr03	36519817	TT	CC	1940207037
SNP_P1_49988_36519888	NC_021162.1	Ca_kabuli_chr03	36519888	CC	TT	1940207060
SNP_P1_49989_36521702	NC_021162.1	Ca_kabuli_chr03	36521702	AA	CC	1940207125
SNP_P1_49990_36522883	NC_021162.1	Ca_kabuli_chr03	36522883	TT	CC	1940207190
SNP_P1_49991_36522930	NC_021162.1	Ca_kabuli_chr03	36522930	TT	GG	1940207254
SNP_P1_49992_36522953	NC_021162.1	Ca_kabuli_chr03	36522953	AA	GG	1940207274
SNP_P1_49993_36523124	NC_021162.1	Ca_kabuli_chr03	36523124	AA	GG	1940207288
SNP_P1_49994_36523364	NC_021162.1	Ca_kabuli_chr03	36523364	GG	TT	1940207353
SNP_P1_49997_36523740	NC_021162.1	Ca_kabuli_chr03	36523740	TT	CC	1940207418
SNP_P1_49998_36523863	NC_021162.1	Ca_kabuli_chr03	36523863	CC	TT	1940207481
SNP_P1_49999_36524033	NC_021162.1	Ca_kabuli_chr03	36524033	AA	TT	1940207512
SNP_P1_50001_36524079	NC_021162.1	Ca_kabuli_chr03	36524079	TT	CC	1940207575
SNP_P1_50002_36524080	NC_021162.1	Ca_kabuli_chr03	36524080	AA	TT	1940207622
SNP_P1_50003_36524758	NC_021162.1	Ca_kabuli_chr03	36524758	AA	GG	1940207688
SNP_P1_50004_36525145	NC_021162.1	Ca_kabuli_chr03	36525145	TT	AA	1940207751
SNP_P1_50005_36525391	NC_021162.1	Ca_kabuli_chr03	36525391	TT	AA	1940207811
SNP_P1_50008_36525643	NC_021162.1	Ca_kabuli_chr03	36525643	TT	GG	1940207846
SNP_P1_50009_36525923	NC_021162.1	Ca_kabuli_chr03	36525923	TT	AA	1940207894

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50011_36526350	NC_021162.1	Ca_kabuli_chr03	36526350	CC	TT	1940208001
SNP_P1_50012_36526362	NC_021162.1	Ca_kabuli_chr03	36526362	AA	TT	1940208061
SNP_P1_50013_36526428	NC_021162.1	Ca_kabuli_chr03	36526428	CC	TT	1940208091
SNP_P1_50015_36527051	NC_021162.1	Ca_kabuli_chr03	36527051	AA	GG	1940208141
SNP_P1_50016_36527112	NC_021162.1	Ca_kabuli_chr03	36527112	CC	TT	1940208207
SNP_P1_50018_36527338	NC_021162.1	Ca_kabuli_chr03	36527338	TT	CC	1940208261
SNP_P1_50019_36528961	NC_021162.1	Ca_kabuli_chr03	36528961	AA	TT	1940208295
SNP_P1_50022_36529837	NC_021162.1	Ca_kabuli_chr03	36529837	AA	GG	1940208355
SNP_P1_50023_36529877	NC_021162.1	Ca_kabuli_chr03	36529877	AA	TT	1940208422
SNP_P1_50024_36530024	NC_021162.1	Ca_kabuli_chr03	36530024	TT	CC	1940208487
SNP_P1_50025_36530074	NC_021162.1	Ca_kabuli_chr03	36530074	CC	GG	1940208544
SNP_P1_50026_36530075	NC_021162.1	Ca_kabuli_chr03	36530075	TT	AA	1940208577
SNP_P1_50027_36530080	NC_021162.1	Ca_kabuli_chr03	36530080	CC	GG	1940208603
SNP_P1_50028_36530149	NC_021162.1	Ca_kabuli_chr03	36530149	CC	TT	1940208668
SNP_P1_50030_36531849	NC_021162.1	Ca_kabuli_chr03	36531849	GG	TT	1940208721
SNP_P1_50031_36532946	NC_021162.1	Ca_kabuli_chr03	36532946	AA	GG	1940208787
SNP_P1_50032_36532954	NC_021162.1	Ca_kabuli_chr03	36532954	CC	TT	1940208809
SNP_P1_50033_36533345	NC_021162.1	Ca_kabuli_chr03	36533345	AA	CC	1940208872
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SNP_P1_50038_36533409	NC_021162.1	Ca_kabuli_chr03	36533409	AA	TT	1940208959
SNP_P1_50039_36533581	NC_021162.1	Ca_kabuli_chr03	36533581	AA	CC	1940209026
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SNP_P1_50045_36542628	NC_021162.1	Ca_kabuli_chr03	36542628	AA	TT	1940209279
SNP_P1_50046_36542846	NC_021162.1	Ca_kabuli_chr03	36542846	TT	CC	1940209303
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SNP_P1_50049_36543238	NC_021162.1	Ca_kabuli_chr03	36543238	CC	TT	1940209408
SNP_P1_50050_36543270	NC_021162.1	Ca_kabuli_chr03	36543270	TT	GG	1940209466
SNP_P1_50051_36543556	NC_021162.1	Ca_kabuli_chr03	36543556	TT	CC	1940209534
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SNP_P1_50055_36543905	NC_021162.1	Ca_kabuli_chr03	36543905	TT	GG	1940209719
SNP_P1_50056_36548079	NC_021162.1	Ca_kabuli_chr03	36548079	AA	TT	1940209776
SNP_P1_50059_36548453	NC_021162.1	Ca_kabuli_chr03	36548453	AA	TT	1940209778

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50061_36548821	NC_021162.1	Ca_kabuli_chr03	36548821	TT	CC	1940209885
SNP_P1_50062_36548975	NC_021162.1	Ca_kabuli_chr03	36548975	AA	TT	1940209948
SNP_P1_50063_36549115	NC_021162.1	Ca_kabuli_chr03	36549115	TT	CC	1940210008
SNP_P1_50064_36549124	NC_021162.1	Ca_kabuli_chr03	36549124	CC	AA	1940210047
SNP_P1_50066_36549189	NC_021162.1	Ca_kabuli_chr03	36549189	CC	TT	1940210112
SNP_P1_50067_36551574	NC_021162.1	Ca_kabuli_chr03	36551574	CC	TT	1940210148
SNP_P1_50068_36553274	NC_021162.1	Ca_kabuli_chr03	36553274	AA	GG	1940210203
SNP_P1_50069_36553467	NC_021162.1	Ca_kabuli_chr03	36553467	GG	AA	1940210268
SNP_P1_50070_36553480	NC_021162.1	Ca_kabuli_chr03	36553480	AA	TT	1940210327
SNP_P1_50071_36553509	NC_021162.1	Ca_kabuli_chr03	36553509	CC	TT	1940210393
SNP_P1_50072_36556845	NC_021162.1	Ca_kabuli_chr03	36556845	TT	AA	1940210425
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SNP_P1_50077_36561416	NC_021162.1	Ca_kabuli_chr03	36561416	TT	CC	1940210687
SNP_P1_50078_36561442	NC_021162.1	Ca_kabuli_chr03	36561442	GG	AA	1940210726
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SNP_P1_50080_36561626	NC_021162.1	Ca_kabuli_chr03	36561626	TT	AA	1940210827
SNP_P1_50081_36561638	NC_021162.1	Ca_kabuli_chr03	36561638	CC	TT	1940210891
SNP_P1_50082_36561640	NC_021162.1	Ca_kabuli_chr03	36561640	TT	CC	1940210917
SNP_P1_50083_36565284	NC_021162.1	Ca_kabuli_chr03	36565284	CC	TT	1940210922
SNP_P1_50084_36565302	NC_021162.1	Ca_kabuli_chr03	36565302	AA	GG	1940210985
SNP_P1_50085_36565325	NC_021162.1	Ca_kabuli_chr03	36565325	GG	AA	1940211043
SNP_P1_50086_36565340	NC_021162.1	Ca_kabuli_chr03	36565340	CC	AA	1940211111
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SNP_P1_50088_36565577	NC_021162.1	Ca_kabuli_chr03	36565577	GG	CC	1940211170
SNP_P1_50089_36565797	NC_021162.1	Ca_kabuli_chr03	36565797	AA	GG	1940211234
SNP_P1_50090_36570808	NC_021162.1	Ca_kabuli_chr03	36570808	AA	TT	1940211300
SNP_P1_50091_36570847	NC_021162.1	Ca_kabuli_chr03	36570847	GG	AA	1940211355
SNP_P1_50093_36571197	NC_021162.1	Ca_kabuli_chr03	36571197	TT	CC	1940211421
SNP_P1_50094_36572145	NC_021162.1	Ca_kabuli_chr03	36572145	CC	GG	1940211487
SNP_P1_50095_36572146	NC_021162.1	Ca_kabuli_chr03	36572146	AA	CC	1940211509
SNP_P1_50096_36572515	NC_021162.1	Ca_kabuli_chr03	36572515	AA	GG	1940211576
SNP_P1_50097_36573850	NC_021162.1	Ca_kabuli_chr03	36573850	AA	GG	1940211624
SNP_P1_50098_36573861	NC_021162.1	Ca_kabuli_chr03	36573861	AA	GG	1940211688
SNP_P1_50099_36574111	NC_021162.1	Ca_kabuli_chr03	36574111	CC	TT	1940211746
SNP_P1_50100_36574188	NC_021162.1	Ca_kabuli_chr03	36574188	AA	TT	1940211790
SNP_P1_50101_36574573	NC_021162.1	Ca_kabuli_chr03	36574573	AA	GG	1940211857
SNP_P1_50102_36574608	NC_021162.1	Ca_kabuli_chr03	36574608	GG	AA	1940211908
SNP_P1_50103_36574705	NC_021162.1	Ca_kabuli_chr03	36574705	AA	GG	1940211976

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50106_36574768	NC_021162.1	Ca_kabuli_chr03	36574768	CC	TT	1940212142
SNP_P1_50108_36576255	NC_021162.1	Ca_kabuli_chr03	36576255	AA	TT	1940212201
SNP_P1_50109_36577086	NC_021162.1	Ca_kabuli_chr03	36577086	GG	AA	1940212266
SNP_P1_50110_36577770	NC_021162.1	Ca_kabuli_chr03	36577770	GG	CC	1940212325
SNP_P1_50111_36578109	NC_021162.1	Ca_kabuli_chr03	36578109	CC	TT	1940212394
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SNP_P1_50113_36581884	NC_021162.1	Ca_kabuli_chr03	36581884	TT	AA	1940212430
SNP_P1_50114_36581894	NC_021162.1	Ca_kabuli_chr03	36581894	TT	AA	1940212495
SNP_P1_50115_36582257	NC_021162.1	Ca_kabuli_chr03	36582257	CC	TT	1940212547
SNP_P1_50116_36582453	NC_021162.1	Ca_kabuli_chr03	36582453	AA	GG	1940212609
SNP_P1_50117_36582478	NC_021162.1	Ca_kabuli_chr03	36582478	AA	GG	1940212635
SNP_P1_50118_36582493	NC_021162.1	Ca_kabuli_chr03	36582493	CC	TT	1940212679
SNP_P1_50119_36582526	NC_021162.1	Ca_kabuli_chr03	36582526	GG	TT	1940212744
SNP_P1_50120_36582540	NC_021162.1	Ca_kabuli_chr03	36582540	CC	TT	1940212786
SNP_P1_50121_36582592	NC_021162.1	Ca_kabuli_chr03	36582592	AA	CC	1940212801
SNP_P1_50122_36582595	NC_021162.1	Ca_kabuli_chr03	36582595	TT	CC	1940212863
SNP_P1_50123_36582628	NC_021162.1	Ca_kabuli_chr03	36582628	AA	CC	1940212928
SNP_P1_50124_36582629	NC_021162.1	Ca_kabuli_chr03	36582629	CC	TT	1940212982
SNP_P1_50125_36582635	NC_021162.1	Ca_kabuli_chr03	36582635	GG	TT	1940213024
SNP_P1_50127_36582727	NC_021162.1	Ca_kabuli_chr03	36582727	TT	GG	1940213089
SNP_P1_50128_36582760	NC_021162.1	Ca_kabuli_chr03	36582760	TT	CC	1940213136
SNP_P1_50129_36582773	NC_021162.1	Ca_kabuli_chr03	36582773	GG	AA	1940213155
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SNP_P1_50135_36583588	NC_021162.1	Ca_kabuli_chr03	36583588	GG	AA	1940213461
SNP_P1_50136_36583941	NC_021162.1	Ca_kabuli_chr03	36583941	TT	CC	1940213523
SNP_P1_50137_36584130	NC_021162.1	Ca_kabuli_chr03	36584130	CC	AA	1940213588
SNP_P1_50138_36587006	NC_021162.1	Ca_kabuli_chr03	36587006	AA	TT	1940213589
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SNP_P1_50141_36590716	NC_021162.1	Ca_kabuli_chr03	36590716	TT	GG	1940213774
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SNP_P1_50143_36593423	NC_021162.1	Ca_kabuli_chr03	36593423	GG	AA	1940213856
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SNP_P1_50146_36594613	NC_021162.1	Ca_kabuli_chr03	36594613	CC	GG	1940213981
SNP_P1_50147_36594614	NC_021162.1	Ca_kabuli_chr03	36594614	AA	GG	1940214017
SNP_P1_50148_36594735	NC_021162.1	Ca_kabuli_chr03	36594735	TT	CC	1940214081

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50152_36595731	NC_021162.1	Ca_kabuli_chr03	36595731	CC	GG	1940214286
SNP_P1_50153_36595804	NC_021162.1	Ca_kabuli_chr03	36595804	AA	TT	1940214311
SNP_P1_50154_36595835	NC_021162.1	Ca_kabuli_chr03	36595835	TT	CC	1940214376
SNP_P1_50155_36595870	NC_021162.1	Ca_kabuli_chr03	36595870	TT	CC	1940214442
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SNP_P1_50158_36596015	NC_021162.1	Ca_kabuli_chr03	36596015	TT	CC	1940214540
SNP_P1_50159_36596017	NC_021162.1	Ca_kabuli_chr03	36596017	TT	GG	1940214590
SNP_P1_50160_36596032	NC_021162.1	Ca_kabuli_chr03	36596032	TT	AA	1940214628
SNP_P1_50161_36596053	NC_021162.1	Ca_kabuli_chr03	36596053	TT	CC	1940214695
SNP_P1_50162_36596056	NC_021162.1	Ca_kabuli_chr03	36596056	TT	CC	1940214729
SNP_P1_50163_36596079	NC_021162.1	Ca_kabuli_chr03	36596079	CC	TT	1940214789
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SNP_P1_50167_36597947	NC_021162.1	Ca_kabuli_chr03	36597947	TT	CC	1940214964
SNP_P1_50169_36598130	NC_021162.1	Ca_kabuli_chr03	36598130	GG	AA	1940215031
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SNP_P1_50171_36598186	NC_021162.1	Ca_kabuli_chr03	36598186	AA	GG	1940215132
SNP_P1_50172_36598331	NC_021162.1	Ca_kabuli_chr03	36598331	AA	TT	1940215144
SNP_P1_50173_36598332	NC_021162.1	Ca_kabuli_chr03	36598332	AA	TT	1940215209
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SNP_P1_50175_36598603	NC_021162.1	Ca_kabuli_chr03	36598603	CC	AA	1940215319
SNP_P1_50176_36599182	NC_021162.1	Ca_kabuli_chr03	36599182	AA	GG	1940215350
SNP_P1_50178_36602506	NC_021162.1	Ca_kabuli_chr03	36602506	GG	AA	1940215411
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SNP_P1_50180_36602883	NC_021162.1	Ca_kabuli_chr03	36602883	TT	GG	1940215532
SNP_P1_50181_36607351	NC_021162.1	Ca_kabuli_chr03	36607351	TT	CC	1940215588
SNP_P1_50182_36607375	NC_021162.1	Ca_kabuli_chr03	36607375	TT	CC	1940215622
SNP_P1_50185_36611610	NC_021162.1	Ca_kabuli_chr03	36611610	AA	TT	1940215687
SNP_P1_50186_36611798	NC_021162.1	Ca_kabuli_chr03	36611798	GG	AA	1940215742
SNP_P1_50187_36611822	NC_021162.1	Ca_kabuli_chr03	36611822	GG	TT	1940215765
SNP_P1_50188_36611864	NC_021162.1	Ca_kabuli_chr03	36611864	AA	GG	1940215782
SNP_P1_50189_36614066	NC_021162.1	Ca_kabuli_chr03	36614066	CC	TT	1940215824
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SNP_P1_50191_36614117	NC_021162.1	Ca_kabuli_chr03	36614117	TT	GG	1940215953
SNP_P1_50193_36616855	NC_021162.1	Ca_kabuli_chr03	36616855	TT	CC	1940215961
SNP_P1_50194_36617440	NC_021162.1	Ca_kabuli_chr03	36617440	TT	CC	1940216027
SNP_P1_50195_36617496	NC_021162.1	Ca_kabuli_chr03	36617496	TT	CC	1940216093
SNP_P1_50196_36618021	NC_021162.1	Ca_kabuli_chr03	36618021	CC	TT	1940216138
SNP_P1_50197_36618777	NC_021162.1	Ca_kabuli_chr03	36618777	TT	CC	1940216204

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50200_36618819	NC_021162.1	Ca_kabuli_chr03	36618819	TT	AA	1940216396
SNP_P1_50201_36618822	NC_021162.1	Ca_kabuli_chr03	36618822	GG	AA	1940216455
SNP_P1_50202_36618976	NC_021162.1	Ca_kabuli_chr03	36618976	GG	AA	1940216516
SNP_P1_50203_36621199	NC_021162.1	Ca_kabuli_chr03	36621199	TT	CC	1940216583
SNP_P1_50205_36622467	NC_021162.1	Ca_kabuli_chr03	36622467	AA	GG	1940216624
SNP_P1_50207_36624185	NC_021162.1	Ca_kabuli_chr03	36624185	GG	AA	1940216638
SNP_P1_50208_36624186	NC_021162.1	Ca_kabuli_chr03	36624186	GG	TT	1940216682
SNP_P1_50211_36624667	NC_021162.1	Ca_kabuli_chr03	36624667	TT	AA	1940216747
SNP_P1_50212_36624687	NC_021162.1	Ca_kabuli_chr03	36624687	AA	GG	1940216777
SNP_P1_50213_36624780	NC_021162.1	Ca_kabuli_chr03	36624780	GG	TT	1940216833
SNP_P1_50215_36624962	NC_021162.1	Ca_kabuli_chr03	36624962	GG	TT	1940216899
SNP_P1_50216_36624974	NC_021162.1	Ca_kabuli_chr03	36624974	AA	CC	1940216963
SNP_P1_50217_36624985	NC_021162.1	Ca_kabuli_chr03	36624985	GG	AA	1940217026
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SNP_P1_50220_36625083	NC_021162.1	Ca_kabuli_chr03	36625083	TT	AA	1940217164
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SNP_P1_50224_36625406	NC_021162.1	Ca_kabuli_chr03	36625406	TT	AA	1940217354
SNP_P1_50226_36625941	NC_021162.1	Ca_kabuli_chr03	36625941	CC	AA	1940217419
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SNP_P1_50229_36626182	NC_021162.1	Ca_kabuli_chr03	36626182	TT	CC	1940217542
SNP_P1_50230_36626220	NC_021162.1	Ca_kabuli_chr03	36626220	GG	AA	1940217601
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SNP_P1_50235_36626500	NC_021162.1	Ca_kabuli_chr03	36626500	CC	GG	1940217846
SNP_P1_50237_36626625	NC_021162.1	Ca_kabuli_chr03	36626625	AA	TT	1940217878
SNP_P1_50238_36627328	NC_021162.1	Ca_kabuli_chr03	36627328	CC	GG	1940217932
SNP_P1_50239_36628154	NC_021162.1	Ca_kabuli_chr03	36628154	TT	CC	1940217999
SNP_P1_50240_36628197	NC_021162.1	Ca_kabuli_chr03	36628197	CC	AA	1940218027
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SNP_P1_50243_36628496	NC_021162.1	Ca_kabuli_chr03	36628496	TT	CC	1940218137
SNP_P1_50244_36628503	NC_021162.1	Ca_kabuli_chr03	36628503	TT	CC	1940218202
SNP_P1_50245_36628817	NC_021162.1	Ca_kabuli_chr03	36628817	AA	GG	1940218245
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SNP_P1_50247_36629866	NC_021162.1	Ca_kabuli_chr03	36629866	CC	GG	1940218353
SNP_P1_50249_36631328	NC_021162.1	Ca_kabuli_chr03	36631328	CC	AA	1940218423
SNP_P1_50250_36632819	NC_021162.1	Ca_kabuli_chr03	36632819	AA	CC	1940218490
SNP_P1_50251_36632968	NC_021162.1	Ca_kabuli_chr03	36632968	TT	CC	1940218531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50255_36635104	NC_021162.1	Ca_kabuli_chr03	36635104	CC	AA	1940218690
SNP_P1_50256_36635195	NC_021162.1	Ca_kabuli_chr03	36635195	GG	AA	1940218721
SNP_P1_50257_36635197	NC_021162.1	Ca_kabuli_chr03	36635197	CC	TT	1940218775
SNP_P1_50258_36635209	NC_021162.1	Ca_kabuli_chr03	36635209	AA	GG	1940218842
SNP_P1_50259_36635251	NC_021162.1	Ca_kabuli_chr03	36635251	AA	GG	1940218874
SNP_P1_50260_36635294	NC_021162.1	Ca_kabuli_chr03	36635294	AA	GG	1940218890
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SNP_P1_50262_36635687	NC_021162.1	Ca_kabuli_chr03	36635687	AA	GG	1940218985
SNP_P1_50263_36636308	NC_021162.1	Ca_kabuli_chr03	36636308	AA	GG	1940219019
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SNP_P1_50272_36638179	NC_021162.1	Ca_kabuli_chr03	36638179	GG	TT	1940219406
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SNP_P1_50285_36639464	NC_021162.1	Ca_kabuli_chr03	36639464	GG	AA	1940219967
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SNP_P1_50290_36640643	NC_021162.1	Ca_kabuli_chr03	36640643	CC	GG	1940220254
SNP_P1_50291_36640720	NC_021162.1	Ca_kabuli_chr03	36640720	TT	CC	1940220281
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SNP_P1_50294_36640885	NC_021162.1	Ca_kabuli_chr03	36640885	TT	GG	1940220368
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SNP_P1_50298_36641347	NC_021162.1	Ca_kabuli_chr03	36641347	CC	AA	1940220604
SNP_P1_50299_36641419	NC_021162.1	Ca_kabuli_chr03	36641419	GG	AA	1940220624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50303_36642314	NC_021162.1	Ca_kabuli_chr03	36642314	TT	CC	1940220804
SNP_P1_50304_36642563	NC_021162.1	Ca_kabuli_chr03	36642563	TT	CC	1940220858
SNP_P1_50305_36642573	NC_021162.1	Ca_kabuli_chr03	36642573	GG	CC	1940220904
SNP_P1_50306_36644209	NC_021162.1	Ca_kabuli_chr03	36644209	CC	GG	1940220971
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SNP_P1_50312_36647848	NC_021162.1	Ca_kabuli_chr03	36647848	TT	AA	1940221206
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SNP_P1_50329_36653807	NC_021162.1	Ca_kabuli_chr03	36653807	TT	CC	1940221904
SNP_P1_50330_36653981	NC_021162.1	Ca_kabuli_chr03	36653981	GG	TT	1940221975
SNP_P1_50332_36654011	NC_021162.1	Ca_kabuli_chr03	36654011	CC	AA	1940222004
SNP_P1_50334_36654180	NC_021162.1	Ca_kabuli_chr03	36654180	TT	CC	1940222073
SNP_P1_50336_36654369	NC_021162.1	Ca_kabuli_chr03	36654369	GG	AA	1940222132
SNP_P1_50338_36654701	NC_021162.1	Ca_kabuli_chr03	36654701	AA	TT	1940222184
SNP_P1_50339_36654721	NC_021162.1	Ca_kabuli_chr03	36654721	GG	AA	1940222244
SNP_P1_50340_36655213	NC_021162.1	Ca_kabuli_chr03	36655213	TT	AA	1940222299
SNP_P1_50341_36655552	NC_021162.1	Ca_kabuli_chr03	36655552	GG	TT	1940222368
SNP_P1_50342_36655560	NC_021162.1	Ca_kabuli_chr03	36655560	GG	AA	1940222441
SNP_P1_50343_36655561	NC_021162.1	Ca_kabuli_chr03	36655561	CC	TT	1940222504
SNP_P1_50344_36655570	NC_021162.1	Ca_kabuli_chr03	36655570	AA	TT	1940222532
SNP_P1_50345_36655860	NC_021162.1	Ca_kabuli_chr03	36655860	AA	CC	1940222603
SNP_P1_50346_36655874	NC_021162.1	Ca_kabuli_chr03	36655874	AA	GG	1940222668
SNP_P1_50348_36669762	NC_021162.1	Ca_kabuli_chr03	36669762	AA	GG	1940222732
SNP_P1_50349_36670172	NC_021162.1	Ca_kabuli_chr03	36670172	GG	AA	1940222765
SNP_P1_50351_36670348	NC_021162.1	Ca_kabuli_chr03	36670348	TT	CC	1940222836
SNP_P1_50352_36670394	NC_021162.1	Ca_kabuli_chr03	36670394	TT	CC	1940222903
SNP_P1_50353_36670448	NC_021162.1	Ca_kabuli_chr03	36670448	TT	GG	1940222928
SNP_P1_50354_36670452	NC_021162.1	Ca_kabuli_chr03	36670452	CC	TT	1940222960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50357_36670699	NC_021162.1	Ca_kabuli_chr03	36670699	CC	TT	1940223076
SNP_P1_50358_36670727	NC_021162.1	Ca_kabuli_chr03	36670727	GG	TT	1940223119
SNP_P1_50359_36670746	NC_021162.1	Ca_kabuli_chr03	36670746	GG	AA	1940223188
SNP_P1_50360_36670747	NC_021162.1	Ca_kabuli_chr03	36670747	GG	AA	1940223245
SNP_P1_50361_36671941	NC_021162.1	Ca_kabuli_chr03	36671941	AA	CC	1940223313
SNP_P1_50362_36671942	NC_021162.1	Ca_kabuli_chr03	36671942	GG	CC	1940223375
SNP_P1_50363_36672205	NC_021162.1	Ca_kabuli_chr03	36672205	AA	GG	1940223436
SNP_P1_50364_36672207	NC_021162.1	Ca_kabuli_chr03	36672207	AA	CC	1940223467
SNP_P1_50365_36672412	NC_021162.1	Ca_kabuli_chr03	36672412	GG	TT	1940223495
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SNP_P1_50369_36673457	NC_021162.1	Ca_kabuli_chr03	36673457	GG	AA	1940223740
SNP_P1_50370_36673467	NC_021162.1	Ca_kabuli_chr03	36673467	TT	GG	1940223796
SNP_P1_50371_36673854	NC_021162.1	Ca_kabuli_chr03	36673854	CC	TT	1940223797
SNP_P1_50372_36673855	NC_021162.1	Ca_kabuli_chr03	36673855	AA	CC	1940223853
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SNP_P1_50378_36676512	NC_021162.1	Ca_kabuli_chr03	36676512	AA	CC	1940224062
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SNP_P1_50384_36680440	NC_021162.1	Ca_kabuli_chr03	36680440	GG	TT	1940224387
SNP_P1_50386_36684818	NC_021162.1	Ca_kabuli_chr03	36684818	TT	CC	1940224435
SNP_P1_50387_36685149	NC_021162.1	Ca_kabuli_chr03	36685149	CC	TT	1940224497
SNP_P1_50388_36685402	NC_021162.1	Ca_kabuli_chr03	36685402	TT	CC	1940224563
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SNP_P1_50391_36685469	NC_021162.1	Ca_kabuli_chr03	36685469	AA	TT	1940224733
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SNP_P1_50393_36685796	NC_021162.1	Ca_kabuli_chr03	36685796	TT	AA	1940224829
SNP_P1_50394_36685956	NC_021162.1	Ca_kabuli_chr03	36685956	TT	GG	1940224890
SNP_P1_50395_36686777	NC_021162.1	Ca_kabuli_chr03	36686777	GG	AA	1940224956
SNP_P1_50396_36686784	NC_021162.1	Ca_kabuli_chr03	36686784	CC	GG	1940225004
SNP_P1_50397_36687453	NC_021162.1	Ca_kabuli_chr03	36687453	TT	AA	1940225053
SNP_P1_50398_36687539	NC_021162.1	Ca_kabuli_chr03	36687539	AA	TT	1940225120

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50402_36689189	NC_021162.1	Ca_kabuli_chr03	36689189	GG	TT	1940225311
SNP_P1_50403_36689200	NC_021162.1	Ca_kabuli_chr03	36689200	TT	CC	1940225378
SNP_P1_50404_36689232	NC_021162.1	Ca_kabuli_chr03	36689232	TT	AA	1940225436
SNP_P1_50405_36692007	NC_021162.1	Ca_kabuli_chr03	36692007	TT	AA	1940225501
SNP_P1_50406_36692961	NC_021162.1	Ca_kabuli_chr03	36692961	TT	CC	1940225553
SNP_P1_50407_36693989	NC_021162.1	Ca_kabuli_chr03	36693989	GG	AA	1940225616
SNP_P1_50408_36694006	NC_021162.1	Ca_kabuli_chr03	36694006	AA	GG	1940225634
SNP_P1_50409_36694276	NC_021162.1	Ca_kabuli_chr03	36694276	GG	TT	1940225659
SNP_P1_50410_36694288	NC_021162.1	Ca_kabuli_chr03	36694288	CC	AA	1940225723
SNP_P1_50411_36694771	NC_021162.1	Ca_kabuli_chr03	36694771	AA	GG	1940225745
SNP_P1_50412_36696159	NC_021162.1	Ca_kabuli_chr03	36696159	AA	GG	1940225746
SNP_P1_50413_36696302	NC_021162.1	Ca_kabuli_chr03	36696302	AA	CC	1940225790
SNP_P1_50414_36696471	NC_021162.1	Ca_kabuli_chr03	36696471	TT	AA	1940225855
SNP_P1_50415_36696605	NC_021162.1	Ca_kabuli_chr03	36696605	AA	GG	1940225913
SNP_P1_50416_36696619	NC_021162.1	Ca_kabuli_chr03	36696619	AA	TT	1940225980
SNP_P1_50417_36696655	NC_021162.1	Ca_kabuli_chr03	36696655	GG	AA	1940225992
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SNP_P1_50419_36696761	NC_021162.1	Ca_kabuli_chr03	36696761	TT	AA	1940226098
SNP_P1_50420_36696762	NC_021162.1	Ca_kabuli_chr03	36696762	AA	TT	1940226167
SNP_P1_50421_36696827	NC_021162.1	Ca_kabuli_chr03	36696827	CC	TT	1940226204
SNP_P1_50423_36697062	NC_021162.1	Ca_kabuli_chr03	36697062	GG	AA	1940226254
SNP_P1_50424_36697144	NC_021162.1	Ca_kabuli_chr03	36697144	AA	GG	1940226320
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SNP_P1_50430_36699689	NC_021162.1	Ca_kabuli_chr03	36699689	TT	CC	1940226541
SNP_P1_50432_36699732	NC_021162.1	Ca_kabuli_chr03	36699732	AA	GG	1940226606
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SNP_P1_50434_36699845	NC_021162.1	Ca_kabuli_chr03	36699845	AA	GG	1940226681
SNP_P1_50435_36699850	NC_021162.1	Ca_kabuli_chr03	36699850	GG	AA	1940226736
SNP_P1_50436_36699852	NC_021162.1	Ca_kabuli_chr03	36699852	GG	AA	1940226806
SNP_P1_50437_36699858	NC_021162.1	Ca_kabuli_chr03	36699858	TT	CC	1940226872
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SNP_P1_50441_36700405	NC_021162.1	Ca_kabuli_chr03	36700405	AA	GG	1940227039
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SNP_P1_50443_36700975	NC_021162.1	Ca_kabuli_chr03	36700975	TT	CC	1940227173
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SNP_P1_50445_36700979	NC_021162.1	Ca_kabuli_chr03	36700979	CC	TT	1940227278
SNP_P1_50446_36700983	NC_021162.1	Ca_kabuli_chr03	36700983	AA	GG	1940227345

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50450_36701950	NC_021162.1	Ca_kabuli_chr03	36701950	CC	TT	1940227590
SNP_P1_50451_36701982	NC_021162.1	Ca_kabuli_chr03	36701982	CC	TT	1940227656
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SNP_P1_50458_36704565	NC_021162.1	Ca_kabuli_chr03	36704565	AA	TT	1940227990
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SNP_P1_50465_36707138	NC_021162.1	Ca_kabuli_chr03	36707138	TT	AA	1940228331
SNP_P1_50466_36707169	NC_021162.1	Ca_kabuli_chr03	36707169	CC	TT	1940228362
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SNP_P1_50482_36708517	NC_021162.1	Ca_kabuli_chr03	36708517	TT	CC	1940229237
SNP_P1_50483_36708810	NC_021162.1	Ca_kabuli_chr03	36708810	GG	AA	1940229261
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SNP_P1_50491_36715243	NC_021162.1	Ca_kabuli_chr03	36715243	CC	TT	1940229650
SNP_P1_50492_36715903	NC_021162.1	Ca_kabuli_chr03	36715903	TT	CC	1940229709
SNP_P1_50494_36716425	NC_021162.1	Ca_kabuli_chr03	36716425	TT	GG	1940229771

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SNP_P1_50499_36718995	NC_021162.1	Ca_kabuli_chr03	36718995	CC	TT	1940229945
SNP_P1_50500_36719130	NC_021162.1	Ca_kabuli_chr03	36719130	AA	GG	1940229986
SNP_P1_50501_36719147	NC_021162.1	Ca_kabuli_chr03	36719147	TT	CC	1940230027
SNP_P1_50502_36719169	NC_021162.1	Ca_kabuli_chr03	36719169	TT	CC	1940230093
SNP_P1_50503_36719359	NC_021162.1	Ca_kabuli_chr03	36719359	AA	GG	1940230133
SNP_P1_50504_36719374	NC_021162.1	Ca_kabuli_chr03	36719374	GG	AA	1940230193
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SNP_P1_50512_36721996	NC_021162.1	Ca_kabuli_chr03	36721996	GG	AA	1940230680
SNP_P1_50513_36722957	NC_021162.1	Ca_kabuli_chr03	36722957	TT	GG	1940230745
SNP_P1_50514_36723145	NC_021162.1	Ca_kabuli_chr03	36723145	TT	CC	1940230757
SNP_P1_50515_36723199	NC_021162.1	Ca_kabuli_chr03	36723199	TT	CC	1940230786
SNP_P1_50516_36723239	NC_021162.1	Ca_kabuli_chr03	36723239	AA	GG	1940230855
SNP_P1_50517_36723373	NC_021162.1	Ca_kabuli_chr03	36723373	TT	AA	1940230897
SNP_P1_50518_36723437	NC_021162.1	Ca_kabuli_chr03	36723437	AA	GG	1940230960
SNP_P1_50519_36723487	NC_021162.1	Ca_kabuli_chr03	36723487	AA	TT	1940231029
SNP_P1_50522_36724218	NC_021162.1	Ca_kabuli_chr03	36724218	GG	CC	1940231049
SNP_P1_50523_36724442	NC_021162.1	Ca_kabuli_chr03	36724442	CC	TT	1940231121
SNP_P1_50524_36724759	NC_021162.1	Ca_kabuli_chr03	36724759	AA	GG	1940231169
SNP_P1_50525_36724791	NC_021162.1	Ca_kabuli_chr03	36724791	CC	TT	1940231236
SNP_P1_50526_36724792	NC_021162.1	Ca_kabuli_chr03	36724792	CC	TT	1940231275
SNP_P1_50527_36724822	NC_021162.1	Ca_kabuli_chr03	36724822	AA	TT	1940231341
SNP_P1_50528_36724973	NC_021162.1	Ca_kabuli_chr03	36724973	AA	CC	1940231408
SNP_P1_50529_36725110	NC_021162.1	Ca_kabuli_chr03	36725110	TT	CC	1940231463
SNP_P1_50530_36725393	NC_021162.1	Ca_kabuli_chr03	36725393	CC	TT	1940231530
SNP_P1_50531_36725912	NC_021162.1	Ca_kabuli_chr03	36725912	AA	GG	1940231596
SNP_P1_50532_36726124	NC_021162.1	Ca_kabuli_chr03	36726124	CC	AA	1940231666
SNP_P1_50533_36726284	NC_021162.1	Ca_kabuli_chr03	36726284	CC	TT	1940231737
SNP_P1_50534_36726317	NC_021162.1	Ca_kabuli_chr03	36726317	AA	TT	1940231782
SNP_P1_50535_36726357	NC_021162.1	Ca_kabuli_chr03	36726357	AA	GG	1940231852
SNP_P1_50536_36726360	NC_021162.1	Ca_kabuli_chr03	36726360	CC	TT	1940231914
SNP_P1_50537_36726496	NC_021162.1	Ca_kabuli_chr03	36726496	AA	TT	1940231987
SNP_P1_50538_36726499	NC_021162.1	Ca_kabuli_chr03	36726499	GG	AA	1940232008
SNP_P1_50539_36726529	NC_021162.1	Ca_kabuli_chr03	36726529	TT	CC	1940232073
SNP_P1_50541_36726589	NC_021162.1	Ca_kabuli_chr03	36726589	AA	TT	1940232126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_50542_36726604	NC_021162.1	Ca_kabuli_chr03	36726604	AA	GG	1940232174
SNP_P1_50543_36726705	NC_021162.1	Ca_kabuli_chr03	36726705	CC	TT	1940232237
SNP_P1_50544_36726717	NC_021162.1	Ca_kabuli_chr03	36726717	TT	CC	1940232281
SNP_P1_50545_36726718	NC_021162.1	Ca_kabuli_chr03	36726718	TT	GG	1940232346
SNP_P1_50546_36726759	NC_021162.1	Ca_kabuli_chr03	36726759	CC	TT	1940232411
SNP_P1_50547_36726947	NC_021162.1	Ca_kabuli_chr03	36726947	TT	CC	1940232475
SNP_P1_50549_36727122	NC_021162.1	Ca_kabuli_chr03	36727122	TT	CC	1940232511
SNP_P1_50550_36727157	NC_021162.1	Ca_kabuli_chr03	36727157	TT	CC	1940232571
SNP_P1_50551_36727340	NC_021162.1	Ca_kabuli_chr03	36727340	CC	GG	1940232633
SNP_P1_50552_36728108	NC_021162.1	Ca_kabuli_chr03	36728108	TT	AA	1940232698
SNP_P1_50553_36728285	NC_021162.1	Ca_kabuli_chr03	36728285	CC	TT	1940232766
SNP_P1_50554_36728346	NC_021162.1	Ca_kabuli_chr03	36728346	CC	GG	1940232831
SNP_P1_50555_36728581	NC_021162.1	Ca_kabuli_chr03	36728581	CC	AA	1940232900
SNP_P1_50556_36728634	NC_021162.1	Ca_kabuli_chr03	36728634	AA	GG	1940232966
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SNP_P1_50558_36728742	NC_021162.1	Ca_kabuli_chr03	36728742	CC	GG	1940233073
SNP_P1_50559_36728750	NC_021162.1	Ca_kabuli_chr03	36728750	TT	CC	1940233139
SNP_P1_50561_36728940	NC_021162.1	Ca_kabuli_chr03	36728940	GG	TT	1940233208
SNP_P1_50562_36729029	NC_021162.1	Ca_kabuli_chr03	36729029	GG	AA	1940233279
SNP_P1_50563_36729058	NC_021162.1	Ca_kabuli_chr03	36729058	TT	CC	1940233349
SNP_P1_50564_36729192	NC_021162.1	Ca_kabuli_chr03	36729192	CC	TT	1940233419
SNP_P1_50566_36729712	NC_021162.1	Ca_kabuli_chr03	36729712	AA	GG	1940233465
SNP_P1_50568_36730092	NC_021162.1	Ca_kabuli_chr03	36730092	GG	AA	1940233493
SNP_P1_50569_36730539	NC_021162.1	Ca_kabuli_chr03	36730539	CC	TT	1940233553
SNP_P1_50570_36731831	NC_021162.1	Ca_kabuli_chr03	36731831	GG	AA	1940233619
SNP_P1_50572_36732935	NC_021162.1	Ca_kabuli_chr03	36732935	GG	AA	1940233690
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SNP_P1_50574_36733097	NC_021162.1	Ca_kabuli_chr03	36733097	GG	AA	1940233811
SNP_P1_50575_36733815	NC_021162.1	Ca_kabuli_chr03	36733815	TT	CC	1940233877
SNP_P1_50576_36733818	NC_021162.1	Ca_kabuli_chr03	36733818	TT	CC	1940233945
SNP_P1_50577_36734837	NC_021162.1	Ca_kabuli_chr03	36734837	TT	AA	1940234016
SNP_P1_50578_36735624	NC_021162.1	Ca_kabuli_chr03	36735624	CC	TT	1940234084
SNP_P1_50580_36735664	NC_021162.1	Ca_kabuli_chr03	36735664	TT	CC	1940234149
SNP_P1_50581_36735708	NC_021162.1	Ca_kabuli_chr03	36735708	AA	CC	1940234214
SNP_P1_50585_36736004	NC_021162.1	Ca_kabuli_chr03	36736004	AA	CC	1940234281
SNP_P1_50586_36736062	NC_021162.1	Ca_kabuli_chr03	36736062	TT	GG	1940234346
SNP_P1_50587_36736138	NC_021162.1	Ca_kabuli_chr03	36736138	TT	CC	1940234414
SNP_P1_50588_36736139	NC_021162.1	Ca_kabuli_chr03	36736139	TT	CC	1940234481
SNP_P1_50589_36736182	NC_021162.1	Ca_kabuli_chr03	36736182	GG	AA	1940234548
SNP_P1_50590_36736296	NC_021162.1	Ca_kabuli_chr03	36736296	GG	TT	1940234620
SNP_P1_50591_36736505	NC_021162.1	Ca_kabuli_chr03	36736505	TT	CC	1940234690
SNP_P1_50593_36737053	NC_021162.1	Ca_kabuli_chr03	36737053	AA	TT	1940234762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50595_36738017	NC_021162.1	Ca_kabuli_chr03	36738017	CC	AA	1940234887
SNP_P1_50596_36738049	NC_021162.1	Ca_kabuli_chr03	36738049	CC	TT	1940234955
SNP_P1_50597_36738145	NC_021162.1	Ca_kabuli_chr03	36738145	GG	AA	1940235021
SNP_P1_50598_36738237	NC_021162.1	Ca_kabuli_chr03	36738237	GG	AA	1940235087
SNP_P1_50599_36738279	NC_021162.1	Ca_kabuli_chr03	36738279	CC	TT	1940235155
SNP_P1_50600_36738307	NC_021162.1	Ca_kabuli_chr03	36738307	GG	TT	1940235221
SNP_P1_50601_36738309	NC_021162.1	Ca_kabuli_chr03	36738309	TT	GG	1940235286
SNP_P1_50602_36738409	NC_021162.1	Ca_kabuli_chr03	36738409	GG	AA	1940235352
SNP_P1_50603_36738471	NC_021162.1	Ca_kabuli_chr03	36738471	GG	TT	1940235422
SNP_P1_50604_36738478	NC_021162.1	Ca_kabuli_chr03	36738478	GG	AA	1940235492
SNP_P1_50605_36738491	NC_021162.1	Ca_kabuli_chr03	36738491	AA	TT	1940235546
SNP_P1_50606_36738561	NC_021162.1	Ca_kabuli_chr03	36738561	CC	AA	1940235611
SNP_P1_50607_36738592	NC_021162.1	Ca_kabuli_chr03	36738592	TT	CC	1940235679
SNP_P1_50608_36738596	NC_021162.1	Ca_kabuli_chr03	36738596	GG	AA	1940235735
SNP_P1_50609_36738803	NC_021162.1	Ca_kabuli_chr03	36738803	CC	GG	1940235805
SNP_P1_50610_36738853	NC_021162.1	Ca_kabuli_chr03	36738853	TT	CC	1940235871
SNP_P1_50611_36738859	NC_021162.1	Ca_kabuli_chr03	36738859	AA	GG	1940235930
SNP_P1_50613_36743906	NC_021162.1	Ca_kabuli_chr03	36743906	AA	CC	1940235987
SNP_P1_50615_36745259	NC_021162.1	Ca_kabuli_chr03	36745259	TT	GG	1940235998
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SNP_P1_50617_36745307	NC_021162.1	Ca_kabuli_chr03	36745307	AA	TT	1940236091
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SNP_P1_50619_36745542	NC_021162.1	Ca_kabuli_chr03	36745542	AA	GG	1940236230
SNP_P1_50620_36746041	NC_021162.1	Ca_kabuli_chr03	36746041	AA	GG	1940236295
SNP_P1_50622_36746198	NC_021162.1	Ca_kabuli_chr03	36746198	GG	AA	1940236360
SNP_P1_50623_36746213	NC_021162.1	Ca_kabuli_chr03	36746213	AA	GG	1940236425
SNP_P1_50624_36746318	NC_021162.1	Ca_kabuli_chr03	36746318	TT	CC	1940236491
SNP_P1_50626_36746674	NC_021162.1	Ca_kabuli_chr03	36746674	TT	AA	1940236557
SNP_P1_50627_36746679	NC_021162.1	Ca_kabuli_chr03	36746679	GG	TT	1940236623
SNP_P1_50628_36746796	NC_021162.1	Ca_kabuli_chr03	36746796	CC	GG	1940236693
SNP_P1_50629_36747048	NC_021162.1	Ca_kabuli_chr03	36747048	CC	TT	1940236759
SNP_P1_50630_36747446	NC_021162.1	Ca_kabuli_chr03	36747446	CC	TT	1940236830
SNP_P1_50631_36747476	NC_021162.1	Ca_kabuli_chr03	36747476	AA	GG	1940236897
SNP_P1_50632_36747510	NC_021162.1	Ca_kabuli_chr03	36747510	TT	CC	1940236963
SNP_P1_50633_36747529	NC_021162.1	Ca_kabuli_chr03	36747529	GG	TT	1940237028
SNP_P1_50634_36747544	NC_021162.1	Ca_kabuli_chr03	36747544	AA	TT	1940237094
SNP_P1_50635_36747548	NC_021162.1	Ca_kabuli_chr03	36747548	AA	GG	1940237150
SNP_P1_50636_36747564	NC_021162.1	Ca_kabuli_chr03	36747564	AA	CC	1940237208
SNP_P1_50637_36747565	NC_021162.1	Ca_kabuli_chr03	36747565	AA	GG	1940237278
SNP_P1_50638_36747607	NC_021162.1	Ca_kabuli_chr03	36747607	GG	AA	1940237349
SNP_P1_50639_36747636	NC_021162.1	Ca_kabuli_chr03	36747636	TT	AA	1940237424

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50641_36747711	NC_021162.1	Ca_kabuli_chr03	36747711	GG	AA	1940237556
SNP_P1_50642_36747746	NC_021162.1	Ca_kabuli_chr03	36747746	CC	AA	1940237620
SNP_P1_50643_36747774	NC_021162.1	Ca_kabuli_chr03	36747774	GG	TT	1940237644
SNP_P1_50644_36748067	NC_021162.1	Ca_kabuli_chr03	36748067	TT	CC	1940237706
SNP_P1_50645_36748083	NC_021162.1	Ca_kabuli_chr03	36748083	CC	GG	1940237753
SNP_P1_50646_36748116	NC_021162.1	Ca_kabuli_chr03	36748116	AA	TT	1940237783
SNP_P1_50647_36748197	NC_021162.1	Ca_kabuli_chr03	36748197	GG	AA	1940237849
SNP_P1_50648_36748293	NC_021162.1	Ca_kabuli_chr03	36748293	AA	TT	1940237913
SNP_P1_50650_36749205	NC_021162.1	Ca_kabuli_chr03	36749205	CC	GG	1940237981
SNP_P1_50651_36749419	NC_021162.1	Ca_kabuli_chr03	36749419	CC	GG	1940238006
SNP_P1_50652_36749471	NC_021162.1	Ca_kabuli_chr03	36749471	CC	AA	1940238072
SNP_P1_50654_36749629	NC_021162.1	Ca_kabuli_chr03	36749629	TT	CC	1940238140
SNP_P1_50655_36749871	NC_021162.1	Ca_kabuli_chr03	36749871	TT	CC	1940238205
SNP_P1_50656_36749982	NC_021162.1	Ca_kabuli_chr03	36749982	TT	CC	1940238270
SNP_P1_50657_36750004	NC_021162.1	Ca_kabuli_chr03	36750004	GG	AA	1940238292
SNP_P1_50658_36750098	NC_021162.1	Ca_kabuli_chr03	36750098	CC	GG	1940238357
SNP_P1_50659_36750114	NC_021162.1	Ca_kabuli_chr03	36750114	TT	CC	1940238423
SNP_P1_50660_36750125	NC_021162.1	Ca_kabuli_chr03	36750125	TT	CC	1940238454
SNP_P1_50661_36750133	NC_021162.1	Ca_kabuli_chr03	36750133	AA	TT	1940238520
SNP_P1_50663_36750208	NC_021162.1	Ca_kabuli_chr03	36750208	AA	GG	1940238586
SNP_P1_50665_36751506	NC_021162.1	Ca_kabuli_chr03	36751506	CC	TT	1940238649
SNP_P1_50666_36751550	NC_021162.1	Ca_kabuli_chr03	36751550	AA	GG	1940238714
SNP_P1_50667_36751598	NC_021162.1	Ca_kabuli_chr03	36751598	TT	AA	1940238780
SNP_P1_50668_36751637	NC_021162.1	Ca_kabuli_chr03	36751637	GG	AA	1940238818
SNP_P1_50670_36751700	NC_021162.1	Ca_kabuli_chr03	36751700	TT	AA	1940238882
SNP_P1_50671_36751711	NC_021162.1	Ca_kabuli_chr03	36751711	TT	CC	1940238948
SNP_P1_50674_36752111	NC_021162.1	Ca_kabuli_chr03	36752111	TT	CC	1940239007
SNP_P1_50676_36753325	NC_021162.1	Ca_kabuli_chr03	36753325	TT	GG	1940239065
SNP_P1_50677_36753567	NC_021162.1	Ca_kabuli_chr03	36753567	TT	GG	1940239117
SNP_P1_50678_36756330	NC_021162.1	Ca_kabuli_chr03	36756330	CC	TT	1940239183
SNP_P1_50679_36756375	NC_021162.1	Ca_kabuli_chr03	36756375	CC	GG	1940239245
SNP_P1_50680_36756390	NC_021162.1	Ca_kabuli_chr03	36756390	CC	GG	1940239312
SNP_P1_50681_36756419	NC_021162.1	Ca_kabuli_chr03	36756419	TT	GG	1940239377
SNP_P1_50682_36756708	NC_021162.1	Ca_kabuli_chr03	36756708	GG	TT	1940239444
SNP_P1_50683_36756726	NC_021162.1	Ca_kabuli_chr03	36756726	GG	CC	1940239509
SNP_P1_50684_36756756	NC_021162.1	Ca_kabuli_chr03	36756756	TT	CC	1940239574
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SNP_P1_50687_36756829	NC_021162.1	Ca_kabuli_chr03	36756829	CC	TT	1940239685
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SNP_P1_50689_36758354	NC_021162.1	Ca_kabuli_chr03	36758354	TT	AA	1940239765
SNP_P1_50690_36758359	NC_021162.1	Ca_kabuli_chr03	36758359	TT	CC	1940239833

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50693_36759801	NC_021162.1	Ca_kabuli_chr03	36759801	CC	AA	1940239969
SNP_P1_50694_36759831	NC_021162.1	Ca_kabuli_chr03	36759831	GG	AA	1940240034
SNP_P1_50695_36760532	NC_021162.1	Ca_kabuli_chr03	36760532	TT	AA	1940240098
SNP_P1_50696_36760800	NC_021162.1	Ca_kabuli_chr03	36760800	AA	GG	1940240160
SNP_P1_50697_36760838	NC_021162.1	Ca_kabuli_chr03	36760838	AA	CC	1940240208
SNP_P1_50698_36760841	NC_021162.1	Ca_kabuli_chr03	36760841	TT	CC	1940240274
SNP_P1_50699_36760862	NC_021162.1	Ca_kabuli_chr03	36760862	CC	TT	1940240331
SNP_P1_50700_36761662	NC_021162.1	Ca_kabuli_chr03	36761662	TT	GG	1940240386
SNP_P1_50702_36761926	NC_021162.1	Ca_kabuli_chr03	36761926	TT	CC	1940240447
SNP_P1_50703_36762810	NC_021162.1	Ca_kabuli_chr03	36762810	GG	CC	1940240512
SNP_P1_50704_36763224	NC_021162.1	Ca_kabuli_chr03	36763224	TT	CC	1940240569
SNP_P1_50705_36766647	NC_021162.1	Ca_kabuli_chr03	36766647	CC	TT	1940240634
SNP_P1_50706_36766657	NC_021162.1	Ca_kabuli_chr03	36766657	GG	AA	1940240700
SNP_P1_50708_36768486	NC_021162.1	Ca_kabuli_chr03	36768486	GG	CC	1940240767
SNP_P1_50709_36768493	NC_021162.1	Ca_kabuli_chr03	36768493	GG	AA	1940240832
SNP_P1_50711_36768748	NC_021162.1	Ca_kabuli_chr03	36768748	TT	AA	1940240894
SNP_P1_50712_36768867	NC_021162.1	Ca_kabuli_chr03	36768867	AA	GG	1940240950
SNP_P1_50713_36770026	NC_021162.1	Ca_kabuli_chr03	36770026	GG	AA	1940241017
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SNP_P1_50716_36770537	NC_021162.1	Ca_kabuli_chr03	36770537	TT	CC	1940241148
SNP_P1_50718_36770633	NC_021162.1	Ca_kabuli_chr03	36770633	AA	GG	1940241213
SNP_P1_50719_36771059	NC_021162.1	Ca_kabuli_chr03	36771059	GG	TT	1940241278
SNP_P1_50720_36771391	NC_021162.1	Ca_kabuli_chr03	36771391	TT	AA	1940241342
SNP_P1_50721_36771759	NC_021162.1	Ca_kabuli_chr03	36771759	TT	AA	1940241406
SNP_P1_50722_36771764	NC_021162.1	Ca_kabuli_chr03	36771764	AA	TT	1940241475
SNP_P1_50723_36771784	NC_021162.1	Ca_kabuli_chr03	36771784	GG	CC	1940241539
SNP_P1_50724_36771812	NC_021162.1	Ca_kabuli_chr03	36771812	CC	TT	1940241604
SNP_P1_50726_36772375	NC_021162.1	Ca_kabuli_chr03	36772375	AA	CC	1940241629
SNP_P1_50729_36774307	NC_021162.1	Ca_kabuli_chr03	36774307	TT	GG	1940241668
SNP_P1_50730_36778483	NC_021162.1	Ca_kabuli_chr03	36778483	GG	AA	1940241718
SNP_P1_50731_36803293	NC_021162.1	Ca_kabuli_chr03	36803293	CC	AA	1940241783
SNP_P1_50732_36827674	NC_021162.1	Ca_kabuli_chr03	36827674	TT	CC	1940241855
SNP_P1_50733_36827678	NC_021162.1	Ca_kabuli_chr03	36827678	TT	GG	1940241927
SNP_P1_50734_36831177	NC_021162.1	Ca_kabuli_chr03	36831177	GG	TT	1940241997
SNP_P1_50735_36841811	NC_021162.1	Ca_kabuli_chr03	36841811	CC	TT	1940242067
SNP_P1_50736_36845456	NC_021162.1	Ca_kabuli_chr03	36845456	GG	AA	1940242131
SNP_P1_50737_36854987	NC_021162.1	Ca_kabuli_chr03	36854987	TT	CC	1940242193
SNP_P1_50738_36856125	NC_021162.1	Ca_kabuli_chr03	36856125	GG	AA	1940242260
SNP_P1_50739_36872943	NC_021162.1	Ca_kabuli_chr03	36872943	TT	GG	1940242329
SNP_P1_50741_36892639	NC_021162.1	Ca_kabuli_chr03	36892639	TT	CC	1940242395
SNP_P1_50742_36921691	NC_021162.1	Ca_kabuli_chr03	36921691	AA	TT	1940242431

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50746_36942005	NC_021162.1	Ca_kabuli_chr03	36942005	CC	AA	1940242599
SNP_P1_50747_36942006	NC_021162.1	Ca_kabuli_chr03	36942006	AA	TT	1940242665
SNP_P1_50748_36949773	NC_021162.1	Ca_kabuli_chr03	36949773	AA	CC	1940242724
SNP_P1_50749_36959766	NC_021162.1	Ca_kabuli_chr03	36959766	AA	TT	1940242725
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SNP_P1_50751_36983999	NC_021162.1	Ca_kabuli_chr03	36983999	AA	CC	1940242854
SNP_P1_50752_36984003	NC_021162.1	Ca_kabuli_chr03	36984003	TT	AA	1940242919
SNP_P1_50755_37014682	NC_021162.1	Ca_kabuli_chr03	37014682	AA	GG	1940242990
SNP_P1_50757_37018802	NC_021162.1	Ca_kabuli_chr03	37018802	AA	TT	1940243056
SNP_P1_50758_37026533	NC_021162.1	Ca_kabuli_chr03	37026533	CC	TT	1940243109
SNP_P1_50759_37026538	NC_021162.1	Ca_kabuli_chr03	37026538	TT	AA	1940243171
SNP_P1_50761_37031064	NC_021162.1	Ca_kabuli_chr03	37031064	CC	TT	1940243207
SNP_P1_50763_37061708	NC_021162.1	Ca_kabuli_chr03	37061708	TT	CC	1940243264
SNP_P1_50765_37106199	NC_021162.1	Ca_kabuli_chr03	37106199	TT	CC	1940243324
SNP_P1_50766_37133206	NC_021162.1	Ca_kabuli_chr03	37133206	AA	GG	1940243361
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SNP_P1_50771_37182310	NC_021162.1	Ca_kabuli_chr03	37182310	TT	AA	1940243532
SNP_P1_50772_37184895	NC_021162.1	Ca_kabuli_chr03	37184895	AA	TT	1940243601
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SNP_P1_50776_37231146	NC_021162.1	Ca_kabuli_chr03	37231146	TT	AA	1940243731
SNP_P1_50777_37248730	NC_021162.1	Ca_kabuli_chr03	37248730	TT	CC	1940243798
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SNP_P1_50783_37365740	NC_021162.1	Ca_kabuli_chr03	37365740	GG	AA	1940244040
SNP_P1_50784_37366065	NC_021162.1	Ca_kabuli_chr03	37366065	TT	GG	1940244087
SNP_P1_50785_37375392	NC_021162.1	Ca_kabuli_chr03	37375392	CC	TT	1940244139
SNP_P1_50787_37378000	NC_021162.1	Ca_kabuli_chr03	37378000	GG	AA	1940244204
SNP_P1_50788_37381957	NC_021162.1	Ca_kabuli_chr03	37381957	TT	CC	1940244268
SNP_P1_50790_37408178	NC_021162.1	Ca_kabuli_chr03	37408178	CC	AA	1940244333
SNP_P1_50791_37409331	NC_021162.1	Ca_kabuli_chr03	37409331	CC	TT	1940244396
SNP_P1_50792_37409399	NC_021162.1	Ca_kabuli_chr03	37409399	GG	AA	1940244464
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SNP_P1_50797_37469008	NC_021162.1	Ca_kabuli_chr03	37469008	TT	GG	1940244714
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SNP_P1_50803_37502257	NC_021162.1	Ca_kabuli_chr03	37502257	CC	TT	1940244843
SNP_P1_50804_37521151	NC_021162.1	Ca_kabuli_chr03	37521151	GG	AA	1940244914

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50809_37587405	NC_021162.1	Ca_kabuli_chr03	37587405	TT	CC	1940245147
SNP_P1_50810_37588778	NC_021162.1	Ca_kabuli_chr03	37588778	AA	CC	1940245201
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SNP_P1_50813_37629654	NC_021162.1	Ca_kabuli_chr03	37629654	GG	AA	1940245332
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SNP_P1_50817_37704613	NC_021162.1	Ca_kabuli_chr03	37704613	AA	GG	1940245508
SNP_P1_50818_37718792	NC_021162.1	Ca_kabuli_chr03	37718792	TT	CC	1940245567
SNP_P1_50819_37718844	NC_021162.1	Ca_kabuli_chr03	37718844	AA	GG	1940245634
SNP_P1_50820_37718862	NC_021162.1	Ca_kabuli_chr03	37718862	GG	AA	1940245700
SNP_P1_50821_37718901	NC_021162.1	Ca_kabuli_chr03	37718901	TT	CC	1940245764
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SNP_P1_50830_37727232	NC_021162.1	Ca_kabuli_chr03	37727232	AA	TT	1940246270
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SNP_P1_50832_37730582	NC_021162.1	Ca_kabuli_chr03	37730582	TT	CC	1940246401
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SNP_P1_50838_37754540	NC_021162.1	Ca_kabuli_chr03	37754540	GG	TT	1940246742
SNP_P1_50839_37757563	NC_021162.1	Ca_kabuli_chr03	37757563	TT	AA	1940246784
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SNP_P1_50845_37764528	NC_021162.1	Ca_kabuli_chr03	37764528	AA	GG	1940247185
SNP_P1_50846_37764530	NC_021162.1	Ca_kabuli_chr03	37764530	AA	GG	1940247256
SNP_P1_50847_37764569	NC_021162.1	Ca_kabuli_chr03	37764569	TT	CC	1940247307
SNP_P1_50848_37764572	NC_021162.1	Ca_kabuli_chr03	37764572	GG	AA	1940247378
SNP_P1_50849_37764631	NC_021162.1	Ca_kabuli_chr03	37764631	TT	CC	1940247448
SNP_P1_50850_37765265	NC_021162.1	Ca_kabuli_chr03	37765265	AA	GG	1940247507

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50854_37769398	NC_021162.1	Ca_kabuli_chr03	37769398	AA	CC	1940247781
SNP_P1_50855_37769400	NC_021162.1	Ca_kabuli_chr03	37769400	AA	GG	1940247850
SNP_P1_50856_37789401	NC_021162.1	Ca_kabuli_chr03	37789401	TT	CC	1940247917
SNP_P1_50857_37793498	NC_021162.1	Ca_kabuli_chr03	37793498	AA	TT	1940247977
SNP_P1_50858_37794626	NC_021162.1	Ca_kabuli_chr03	37794626	AA	CC	1940247978
SNP_P1_50859_37806612	NC_021162.1	Ca_kabuli_chr03	37806612	CC	AA	1940248039
SNP_P1_50860_37806613	NC_021162.1	Ca_kabuli_chr03	37806613	AA	TT	1940248104
SNP_P1_50861_37808149	NC_021162.1	Ca_kabuli_chr03	37808149	GG	AA	1940248170
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SNP_P1_50867_37812257	NC_021162.1	Ca_kabuli_chr03	37812257	GG	CC	1940248565
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SNP_P1_50872_37846029	NC_021162.1	Ca_kabuli_chr03	37846029	AA	TT	1940248781
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SNP_P1_50874_37880733	NC_021162.1	Ca_kabuli_chr03	37880733	AA	GG	1940248913
SNP_P1_50875_37898795	NC_021162.1	Ca_kabuli_chr03	37898795	AA	GG	1940248979
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SNP_P1_50880_37955060	NC_021162.1	Ca_kabuli_chr03	37955060	AA	GG	1940249237
SNP_P1_50882_37955301	NC_021162.1	Ca_kabuli_chr03	37955301	AA	GG	1940249304
SNP_P1_50883_37960826	NC_021162.1	Ca_kabuli_chr03	37960826	CC	TT	1940249374
SNP_P1_50885_37989272	NC_021162.1	Ca_kabuli_chr03	37989272	TT	CC	1940249440
SNP_P1_50887_37990255	NC_021162.1	Ca_kabuli_chr03	37990255	AA	CC	1940249505
SNP_P1_50888_37990261	NC_021162.1	Ca_kabuli_chr03	37990261	TT	GG	1940249573
SNP_P1_50892_38009349	NC_021162.1	Ca_kabuli_chr03	38009349	AA	GG	1940249621
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SNP_P1_50894_38060742	NC_021162.1	Ca_kabuli_chr03	38060742	CC	TT	1940249744
SNP_P1_50896_38092175	NC_021162.1	Ca_kabuli_chr03	38092175	TT	AA	1940249811
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SNP_P1_50898_38097950	NC_021162.1	Ca_kabuli_chr03	38097950	GG	TT	1940249939
SNP_P1_50899_38125278	NC_021162.1	Ca_kabuli_chr03	38125278	AA	CC	1940250009
SNP_P1_50901_38136871	NC_021162.1	Ca_kabuli_chr03	38136871	GG	TT	1940250076
SNP_P1_50902_38137190	NC_021162.1	Ca_kabuli_chr03	38137190	AA	GG	1940250142

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50905_38137708	NC_021162.1	Ca_kabuli_chr03	38137708	CC	TT	1940250328
SNP_P1_50906_38138815	NC_021162.1	Ca_kabuli_chr03	38138815	GG	AA	1940250395
SNP_P1_50908_38140951	NC_021162.1	Ca_kabuli_chr03	38140951	AA	TT	1940250457
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SNP_P1_50910_38141207	NC_021162.1	Ca_kabuli_chr03	38141207	TT	GG	1940250587
SNP_P1_50912_38141326	NC_021162.1	Ca_kabuli_chr03	38141326	AA	TT	1940250653
SNP_P1_50913_38141327	NC_021162.1	Ca_kabuli_chr03	38141327	AA	TT	1940250724
SNP_P1_50914_38141465	NC_021162.1	Ca_kabuli_chr03	38141465	TT	CC	1940250787
SNP_P1_50915_38141471	NC_021162.1	Ca_kabuli_chr03	38141471	AA	GG	1940250856
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SNP_P1_50921_38142742	NC_021162.1	Ca_kabuli_chr03	38142742	GG	AA	1940251098
SNP_P1_50922_38142746	NC_021162.1	Ca_kabuli_chr03	38142746	AA	CC	1940251163
SNP_P1_50923_38142829	NC_021162.1	Ca_kabuli_chr03	38142829	CC	TT	1940251228
SNP_P1_50924_38145115	NC_021162.1	Ca_kabuli_chr03	38145115	CC	TT	1940251294
SNP_P1_50926_38148349	NC_021162.1	Ca_kabuli_chr03	38148349	TT	GG	1940251361
SNP_P1_50927_38148350	NC_021162.1	Ca_kabuli_chr03	38148350	TT	CC	1940251428
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SNP_P1_50941_38160600	NC_021162.1	Ca_kabuli_chr03	38160600	GG	AA	1940252071
SNP_P1_50942_38161605	NC_021162.1	Ca_kabuli_chr03	38161605	TT	CC	1940252138
SNP_P1_50944_38162859	NC_021162.1	Ca_kabuli_chr03	38162859	CC	TT	1940252202
SNP_P1_50945_38163026	NC_021162.1	Ca_kabuli_chr03	38163026	CC	AA	1940252268
SNP_P1_50947_38167429	NC_021162.1	Ca_kabuli_chr03	38167429	CC	GG	1940252333
SNP_P1_50948_38167474	NC_021162.1	Ca_kabuli_chr03	38167474	CC	AA	1940252399
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SNP_P1_50950_38167837	NC_021162.1	Ca_kabuli_chr03	38167837	AA	GG	1940252539
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SNP_P1_50952_38168473	NC_021162.1	Ca_kabuli_chr03	38168473	AA	GG	1940252673
SNP_P1_50953_38168787	NC_021162.1	Ca_kabuli_chr03	38168787	AA	CC	1940252746
SNP_P1_50954_38168981	NC_021162.1	Ca_kabuli_chr03	38168981	AA	TT	1940252812
SNP_P1_50955_38169101	NC_021162.1	Ca_kabuli_chr03	38169101	GG	AA	1940252886

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_50960_38170326	NC_021162.1	Ca_kabuli_chr03	38170326	GG	AA	1940253160
SNP_P1_50962_38170553	NC_021162.1	Ca_kabuli_chr03	38170553	GG	AA	1940253227
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SNP_P1_50970_38173163	NC_021162.1	Ca_kabuli_chr03	38173163	AA	GG	1940253626
SNP_P1_50972_38174656	NC_021162.1	Ca_kabuli_chr03	38174656	AA	GG	1940253698
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SNP_P1_50982_38177185	NC_021162.1	Ca_kabuli_chr03	38177185	AA	CC	1940254428
SNP_P1_50983_38177187	NC_021162.1	Ca_kabuli_chr03	38177187	GG	CC	1940254500
SNP_P1_50984_38177210	NC_021162.1	Ca_kabuli_chr03	38177210	AA	GG	1940254538
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SNP_P1_50986_38177281	NC_021162.1	Ca_kabuli_chr03	38177281	GG	CC	1940254672
SNP_P1_50987_38177611	NC_021162.1	Ca_kabuli_chr03	38177611	GG	TT	1940254739
SNP_P1_50988_38177996	NC_021162.1	Ca_kabuli_chr03	38177996	AA	TT	1940254760
SNP_P1_50989_38178304	NC_021162.1	Ca_kabuli_chr03	38178304	GG	TT	1940254807
SNP_P1_50990_38178313	NC_021162.1	Ca_kabuli_chr03	38178313	TT	AA	1940254873
SNP_P1_50991_38179700	NC_021162.1	Ca_kabuli_chr03	38179700	TT	CC	1940254933
SNP_P1_50992_38180619	NC_021162.1	Ca_kabuli_chr03	38180619	GG	AA	1940254997
SNP_P1_50993_38181789	NC_021162.1	Ca_kabuli_chr03	38181789	TT	CC	1940255062
SNP_P1_50994_38182254	NC_021162.1	Ca_kabuli_chr03	38182254	CC	TT	1940255127
SNP_P1_50998_38183007	NC_021162.1	Ca_kabuli_chr03	38183007	GG	AA	1940255175
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SNP_P1_51000_38183089	NC_021162.1	Ca_kabuli_chr03	38183089	AA	GG	1940255303
SNP_P1_51002_38183251	NC_021162.1	Ca_kabuli_chr03	38183251	TT	CC	1940255368
SNP_P1_51003_38183409	NC_021162.1	Ca_kabuli_chr03	38183409	AA	TT	1940255441
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SNP_P1_51005_38184163	NC_021162.1	Ca_kabuli_chr03	38184163	AA	GG	1940255504
SNP_P1_51006_38184187	NC_021162.1	Ca_kabuli_chr03	38184187	AA	GG	1940255570

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51009_38184450	NC_021162.1	Ca_kabuli_chr03	38184450	AA	TT	1940255768
SNP_P1_51010_38184883	NC_021162.1	Ca_kabuli_chr03	38184883	AA	TT	1940255836
SNP_P1_51011_38184939	NC_021162.1	Ca_kabuli_chr03	38184939	AA	TT	1940255902
SNP_P1_51013_38185103	NC_021162.1	Ca_kabuli_chr03	38185103	TT	CC	1940255941
SNP_P1_51014_38185104	NC_021162.1	Ca_kabuli_chr03	38185104	CC	GG	1940255985
SNP_P1_51016_38185132	NC_021162.1	Ca_kabuli_chr03	38185132	AA	TT	1940256041
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SNP_P1_51023_38189584	NC_021162.1	Ca_kabuli_chr03	38189584	GG	AA	1940256432
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SNP_P1_51025_38189827	NC_021162.1	Ca_kabuli_chr03	38189827	AA	GG	1940256563
SNP_P1_51026_38189828	NC_021162.1	Ca_kabuli_chr03	38189828	GG	CC	1940256630
SNP_P1_51027_38189831	NC_021162.1	Ca_kabuli_chr03	38189831	AA	CC	1940256699
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SNP_P1_51043_38199935	NC_021162.1	Ca_kabuli_chr03	38199935	TT	AA	1940257584
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SNP_P1_51047_38200955	NC_021162.1	Ca_kabuli_chr03	38200955	TT	GG	1940257791
SNP_P1_51048_38200956	NC_021162.1	Ca_kabuli_chr03	38200956	CC	TT	1940257857
SNP_P1_51050_38201164	NC_021162.1	Ca_kabuli_chr03	38201164	GG	AA	1940257921
SNP_P1_51051_38201238	NC_021162.1	Ca_kabuli_chr03	38201238	GG	AA	1940257987
SNP_P1_51052_38201768	NC_021162.1	Ca_kabuli_chr03	38201768	TT	CC	1940258049
SNP_P1_51053_38201845	NC_021162.1	Ca_kabuli_chr03	38201845	GG	TT	1940258115
SNP_P1_51054_38201854	NC_021162.1	Ca_kabuli_chr03	38201854	CC	GG	1940258166

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51057_38202506	NC_021162.1	Ca_kabuli_chr03	38202506	AA	CC	1940258365
SNP_P1_51058_38202789	NC_021162.1	Ca_kabuli_chr03	38202789	TT	GG	1940258423
SNP_P1_51059_38203014	NC_021162.1	Ca_kabuli_chr03	38203014	CC	TT	1940258481
SNP_P1_51061_38204403	NC_021162.1	Ca_kabuli_chr03	38204403	TT	CC	1940258548
SNP_P1_51062_38204445	NC_021162.1	Ca_kabuli_chr03	38204445	CC	TT	1940258616
SNP_P1_51063_38204450	NC_021162.1	Ca_kabuli_chr03	38204450	TT	CC	1940258683
SNP_P1_51064_38204452	NC_021162.1	Ca_kabuli_chr03	38204452	TT	AA	1940258750
SNP_P1_51065_38204682	NC_021162.1	Ca_kabuli_chr03	38204682	CC	GG	1940258814
SNP_P1_51066_38204806	NC_021162.1	Ca_kabuli_chr03	38204806	CC	TT	1940258879
SNP_P1_51067_38204876	NC_021162.1	Ca_kabuli_chr03	38204876	CC	TT	1940258946
SNP_P1_51068_38204878	NC_021162.1	Ca_kabuli_chr03	38204878	GG	CC	1940259011
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SNP_P1_51097_38209838	NC_021162.1	Ca_kabuli_chr03	38209838	TT	GG	1940260449
SNP_P1_51098_38209917	NC_021162.1	Ca_kabuli_chr03	38209917	TT	AA	1940260514
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SNP_P1_51103_38215632	NC_021162.1	Ca_kabuli_chr03	38215632	CC	GG	1940260781
SNP_P1_51104_38215668	NC_021162.1	Ca_kabuli_chr03	38215668	TT	AA	1940260842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51109_38220051	NC_021162.1	Ca_kabuli_chr03	38220051	GG	CC	1940261037
SNP_P1_51111_38221405	NC_021162.1	Ca_kabuli_chr03	38221405	CC	AA	1940261103
SNP_P1_51112_38224014	NC_021162.1	Ca_kabuli_chr03	38224014	AA	GG	1940261174
SNP_P1_51113_38224700	NC_021162.1	Ca_kabuli_chr03	38224700	AA	GG	1940261231
SNP_P1_51114_38225093	NC_021162.1	Ca_kabuli_chr03	38225093	AA	TT	1940261298
SNP_P1_51117_38226019	NC_021162.1	Ca_kabuli_chr03	38226019	CC	AA	1940261339
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SNP_P1_51142_38232536	NC_021162.1	Ca_kabuli_chr03	38232536	TT	AA	1940262673
SNP_P1_51143_38232558	NC_021162.1	Ca_kabuli_chr03	38232558	GG	AA	1940262710
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SNP_P1_51153_38233815	NC_021162.1	Ca_kabuli_chr03	38233815	TT	AA	1940263339

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51170_38239132	NC_021162.1	Ca_kabuli_chr03	38239132	CC	TT	1940263439
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SNP_P1_51189_38284496	NC_021162.1	Ca_kabuli_chr03	38284496	GG	AA	1940264062
SNP_P1_51190_38300466	NC_021162.1	Ca_kabuli_chr03	38300466	AA	GG	1940264126
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SNP_P1_51195_38353157	NC_021162.1	Ca_kabuli_chr03	38353157	TT	GG	1940264380
SNP_P1_51196_38364866	NC_021162.1	Ca_kabuli_chr03	38364866	TT	AA	1940264449
SNP_P1_51199_38406481	NC_021162.1	Ca_kabuli_chr03	38406481	TT	CC	1940264517
SNP_P1_51200_38434065	NC_021162.1	Ca_kabuli_chr03	38434065	AA	GG	1940264589
SNP_P1_51201_38514237	NC_021162.1	Ca_kabuli_chr03	38514237	AA	GG	1940264657

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51203_38519112	NC_021162.1	Ca_kabuli_chr03	38519112	TT	CC	1940264791
SNP_P1_51204_38521202	NC_021162.1	Ca_kabuli_chr03	38521202	AA	TT	1940264858
SNP_P1_51205_38582340	NC_021162.1	Ca_kabuli_chr03	38582340	AA	GG	1940264869
SNP_P1_51206_38588164	NC_021162.1	Ca_kabuli_chr03	38588164	TT	CC	1940264927
SNP_P1_51207_38594721	NC_021162.1	Ca_kabuli_chr03	38594721	CC	TT	1940265000
SNP_P1_51208_38617361	NC_021162.1	Ca_kabuli_chr03	38617361	CC	TT	1940265071
SNP_P1_51210_38622868	NC_021162.1	Ca_kabuli_chr03	38622868	TT	GG	1940265143
SNP_P1_51211_38622880	NC_021162.1	Ca_kabuli_chr03	38622880	AA	CC	1940265216
SNP_P1_51212_38623626	NC_021162.1	Ca_kabuli_chr03	38623626	CC	TT	1940265288
SNP_P1_51214_38690610	NC_021162.1	Ca_kabuli_chr03	38690610	GG	AA	1940265359
SNP_P1_51215_38690638	NC_021162.1	Ca_kabuli_chr03	38690638	GG	AA	1940265432
SNP_P1_51216_38690747	NC_021162.1	Ca_kabuli_chr03	38690747	AA	TT	1940265502
SNP_P1_51217_38691177	NC_021162.1	Ca_kabuli_chr03	38691177	AA	GG	1940265567
SNP_P1_51218_38706228	NC_021162.1	Ca_kabuli_chr03	38706228	TT	CC	1940265638
SNP_P1_51219_38708828	NC_021162.1	Ca_kabuli_chr03	38708828	GG	AA	1940265664
SNP_P1_51221_38738084	NC_021162.1	Ca_kabuli_chr03	38738084	AA	GG	1940265737
SNP_P1_51222_38738387	NC_021162.1	Ca_kabuli_chr03	38738387	TT	AA	1940265801
SNP_P1_51223_38747169	NC_021162.1	Ca_kabuli_chr03	38747169	CC	TT	1940265858
SNP_P1_51225_38782577	NC_021162.1	Ca_kabuli_chr03	38782577	AA	TT	1940265926
SNP_P1_51226_38788190	NC_021162.1	Ca_kabuli_chr03	38788190	CC	GG	1940265992
SNP_P1_51229_38812441	NC_021162.1	Ca_kabuli_chr03	38812441	TT	GG	1940266057
SNP_P1_51230_38862943	NC_021162.1	Ca_kabuli_chr03	38862943	TT	AA	1940266112
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SNP_P1_51235_38870527	NC_021162.1	Ca_kabuli_chr03	38870527	GG	AA	1940266434
SNP_P1_51237_38873657	NC_021162.1	Ca_kabuli_chr03	38873657	CC	AA	1940266502
SNP_P1_51238_38873680	NC_021162.1	Ca_kabuli_chr03	38873680	CC	TT	1940266568
SNP_P1_51239_38897907	NC_021162.1	Ca_kabuli_chr03	38897907	TT	CC	1940266634
SNP_P1_51240_38897954	NC_021162.1	Ca_kabuli_chr03	38897954	GG	AA	1940266666
SNP_P1_51241_38897979	NC_021162.1	Ca_kabuli_chr03	38897979	TT	AA	1940266732
SNP_P1_51242_38898231	NC_021162.1	Ca_kabuli_chr03	38898231	TT	GG	1940266797
SNP_P1_51243_38898258	NC_021162.1	Ca_kabuli_chr03	38898258	GG	TT	1940266863
SNP_P1_51244_38900791	NC_021162.1	Ca_kabuli_chr03	38900791	AA	GG	1940266927
SNP_P1_51245_38900814	NC_021162.1	Ca_kabuli_chr03	38900814	AA	GG	1940266994
SNP_P1_51246_38900826	NC_021162.1	Ca_kabuli_chr03	38900826	CC	TT	1940267060
SNP_P1_51247_38900877	NC_021162.1	Ca_kabuli_chr03	38900877	TT	CC	1940267124
SNP_P1_51248_38900879	NC_021162.1	Ca_kabuli_chr03	38900879	GG	AA	1940267182
SNP_P1_51250_38900980	NC_021162.1	Ca_kabuli_chr03	38900980	TT	CC	1940267208
SNP_P1_51251_38901082	NC_021162.1	Ca_kabuli_chr03	38901082	TT	CC	1940267273

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51254_38902606	NC_021162.1	Ca_kabuli_chr03	38902606	AA	GG	1940267395
SNP_P1_51255_38902671	NC_021162.1	Ca_kabuli_chr03	38902671	TT	GG	1940267454
SNP_P1_51256_38923913	NC_021162.1	Ca_kabuli_chr03	38923913	AA	GG	1940267518
SNP_P1_51257_38940205	NC_021162.1	Ca_kabuli_chr03	38940205	AA	CC	1940267582
SNP_P1_51258_38940540	NC_021162.1	Ca_kabuli_chr03	38940540	CC	AA	1940267647
SNP_P1_51259_38942376	NC_021162.1	Ca_kabuli_chr03	38942376	TT	AA	1940267711
SNP_P1_51260_38955778	NC_021162.1	Ca_kabuli_chr03	38955778	GG	AA	1940267778
SNP_P1_51261_38958286	NC_021162.1	Ca_kabuli_chr03	38958286	GG	AA	1940267843
SNP_P1_51262_38958295	NC_021162.1	Ca_kabuli_chr03	38958295	AA	GG	1940267902
SNP_P1_51263_38958319	NC_021162.1	Ca_kabuli_chr03	38958319	CC	AA	1940267943
SNP_P1_51264_38960769	NC_021162.1	Ca_kabuli_chr03	38960769	CC	TT	1940268008
SNP_P1_51265_38966377	NC_021162.1	Ca_kabuli_chr03	38966377	TT	GG	1940268079
SNP_P1_51266_38969199	NC_021162.1	Ca_kabuli_chr03	38969199	CC	TT	1940268155
SNP_P1_51267_38998922	NC_021162.1	Ca_kabuli_chr03	38998922	TT	AA	1940268233
SNP_P1_51269_39000572	NC_021162.1	Ca_kabuli_chr03	39000572	CC	AA	1940268312
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SNP_P1_51272_39066775	NC_021162.1	Ca_kabuli_chr03	39066775	TT	AA	1940268460
SNP_P1_51273_39072779	NC_021162.1	Ca_kabuli_chr03	39072779	AA	GG	1940268535
SNP_P1_51275_39079745	NC_021162.1	Ca_kabuli_chr03	39079745	TT	CC	1940268615
SNP_P1_51276_39087580	NC_021162.1	Ca_kabuli_chr03	39087580	CC	TT	1940268687
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SNP_P1_51278_39155894	NC_021162.1	Ca_kabuli_chr03	39155894	AA	GG	1940268836
SNP_P1_51279_39156216	NC_021162.1	Ca_kabuli_chr03	39156216	GG	CC	1940268910
SNP_P1_51280_39170639	NC_021162.1	Ca_kabuli_chr03	39170639	CC	GG	1940268990
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SNP_P1_51282_39179199	NC_021162.1	Ca_kabuli_chr03	39179199	CC	TT	1940269135
SNP_P1_51283_39180332	NC_021162.1	Ca_kabuli_chr03	39180332	TT	AA	1940269212
SNP_P1_51284_39245204	NC_021162.1	Ca_kabuli_chr03	39245204	GG	AA	1940269287
SNP_P1_51285_39251583	NC_021162.1	Ca_kabuli_chr03	39251583	TT	CC	1940269365
SNP_P1_51286_39261522	NC_021162.1	Ca_kabuli_chr03	39261522	TT	AA	1940269400
SNP_P1_51287_39266765	NC_021162.1	Ca_kabuli_chr03	39266765	AA	TT	1940269457
SNP_P1_51288_39275431	NC_021162.1	Ca_kabuli_chr03	39275431	GG	AA	1940269498
SNP_P1_51289_39293057	NC_021162.1	Ca_kabuli_chr03	39293057	TT	AA	1940269563
SNP_P1_51290_39293058	NC_021162.1	Ca_kabuli_chr03	39293058	TT	AA	1940269630
SNP_P1_51291_39299739	NC_021162.1	Ca_kabuli_chr03	39299739	CC	TT	1940269695
SNP_P1_51292_39326079	NC_021162.1	Ca_kabuli_chr03	39326079	TT	AA	1940269763
SNP_P1_51293_39330290	NC_021162.1	Ca_kabuli_chr03	39330290	TT	CC	1940269827
SNP_P1_51294_39335107	NC_021162.1	Ca_kabuli_chr03	39335107	AA	GG	1940269854
SNP_P1_51296_39373546	NC_021162.1	Ca_kabuli_chr03	39373546	TT	CC	1940269855
SNP_P1_51297_39379134	NC_021162.1	Ca_kabuli_chr03	39379134	AA	CC	1940269856
SNP_P1_51298_39388844	NC_021162.1	Ca_kabuli_chr03	39388844	CC	TT	1940269858

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51301_39400452	NC_021162.1	Ca_kabuli_chr03	39400452	TT	CC	1940269862
SNP_P1_51303_39418728	NC_021162.1	Ca_kabuli_chr03	39418728	GG	AA	1940269864
SNP_P1_51304_39418756	NC_021162.1	Ca_kabuli_chr03	39418756	GG	AA	1940269866
SNP_P1_51305_39418759	NC_021162.1	Ca_kabuli_chr03	39418759	CC	GG	1940269867
SNP_P1_51306_39419265	NC_021162.1	Ca_kabuli_chr03	39419265	CC	AA	1940269869
SNP_P1_51307_39419306	NC_021162.1	Ca_kabuli_chr03	39419306	TT	GG	1940269870
SNP_P1_51309_39419727	NC_021162.1	Ca_kabuli_chr03	39419727	CC	TT	1940269872
SNP_P1_51310_39435451	NC_021162.1	Ca_kabuli_chr03	39435451	GG	AA	1940269873
SNP_P1_51311_39456617	NC_021162.1	Ca_kabuli_chr03	39456617	AA	GG	1940269875
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SNP_P1_51314_39545478	NC_021162.1	Ca_kabuli_chr03	39545478	CC	AA	1940269878
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SNP_P1_51317_39581648	NC_021162.1	Ca_kabuli_chr03	39581648	TT	AA	1940269881
SNP_P1_51318_39602171	NC_021162.1	Ca_kabuli_chr03	39602171	AA	GG	1940269883
SNP_P1_51319_39611014	NC_021162.1	Ca_kabuli_chr03	39611014	AA	TT	1940269884
SNP_P1_51320_39611027	NC_021162.1	Ca_kabuli_chr03	39611027	TT	CC	1940269886
SNP_P1_51322_39611094	NC_021162.1	Ca_kabuli_chr03	39611094	AA	CC	1940269887
SNP_P1_51324_39611320	NC_021162.1	Ca_kabuli_chr03	39611320	AA	GG	1940269889
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SNP_P1_51328_39611444	NC_021162.1	Ca_kabuli_chr03	39611444	GG	AA	1940269894
SNP_P1_51329_39611446	NC_021162.1	Ca_kabuli_chr03	39611446	AA	TT	1940269895
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SNP_P1_51336_39611699	NC_021162.1	Ca_kabuli_chr03	39611699	TT	CC	1940269906
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SNP_P1_51347_39713805	NC_021162.1	Ca_kabuli_chr03	39713805	GG	AA	1940269919
SNP_P1_51348_39724869	NC_021162.1	Ca_kabuli_chr03	39724869	GG	TT	1940269920
SNP_P1_51349_39759822	NC_021162.1	Ca_kabuli_chr03	39759822	AA	GG	1940269921

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51353_39803312	NC_021162.1	Ca_kabuli_chr03	39803312	TT	CC	1940269924
SNP_P1_51355_39835882	NC_021162.1	Ca_kabuli_chr03	39835882	AA	GG	1940269926
SNP_P1_51356_39836908	NC_021162.1	Ca_kabuli_chr03	39836908	AA	GG	1940269927
SNP_P1_51357_39856769	NC_021162.1	Ca_kabuli_chr03	39856769	GG	CC	1940269929
SNP_P1_51358_39864815	NC_021162.1	Ca_kabuli_chr03	39864815	GG	CC	1940269931
SNP_P1_51359_39865286	NC_021162.1	Ca_kabuli_chr03	39865286	AA	TT	1940269932
SNP_P1_51360_39865460	NC_021162.1	Ca_kabuli_chr03	39865460	AA	CC	1940269934
SNP_P1_51361_39865465	NC_021162.1	Ca_kabuli_chr03	39865465	AA	TT	1940269935
SNP_P1_51363_39866503	NC_021162.1	Ca_kabuli_chr03	39866503	GG	AA	1940269937
SNP_P1_51366_39867004	NC_021162.1	Ca_kabuli_chr03	39867004	AA	GG	1940269938
SNP_P1_51367_39873091	NC_021162.1	Ca_kabuli_chr03	39873091	AA	GG	1940269940
SNP_P1_51369_39874630	NC_021162.1	Ca_kabuli_chr03	39874630	TT	CC	1940269942
SNP_P1_51370_39874634	NC_021162.1	Ca_kabuli_chr03	39874634	TT	AA	1940269943
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SNP_P1_51373_39906999	NC_021162.1	Ca_kabuli_chr03	39906999	TT	AA	1940269946
SNP_P1_51374_39926951	NC_021162.1	Ca_kabuli_chr03	39926951	CC	TT	1940269948
SNP_P1_51375_39929979	NC_021162.1	Ca_kabuli_chr03	39929979	CC	AA	1940269949
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SNP_P1_51380_39938101	NC_021162.1	Ca_kabuli_chr03	39938101	AA	GG	1940269957
SNP_P1_51381_39947229	NC_021162.1	Ca_kabuli_chr03	39947229	TT	AA	1940269959
SNP_P1_51382_39955262	NC_021162.1	Ca_kabuli_chr03	39955262	TT	CC	1940269960
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SNP_P1_51384_39956407	NC_021162.1	Ca_kabuli_chr03	39956407	TT	CC	1940269964
SNP_P1_51385_39956440	NC_021162.1	Ca_kabuli_chr03	39956440	CC	TT	1940269965
SNP_P1_51386_39964840	NC_021162.1	Ca_kabuli_chr03	39964840	TT	GG	1940269967
SNP_P1_51388_39967023	NC_021162.1	Ca_kabuli_chr03	39967023	AA	GG	1940269968
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SNP_P1_51390_39967030	NC_021162.1	Ca_kabuli_chr03	39967030	CC	TT	1940269971
SNP_P1_51391_39978056	NC_021162.1	Ca_kabuli_chr03	39978056	TT	CC	1940269973
SNP_P1_51392_39978105	NC_021162.1	Ca_kabuli_chr03	39978105	GG	CC	1940269975
SNP_P1_51393_39978378	NC_021162.1	Ca_kabuli_chr03	39978378	GG	AA	1940269976
SNP_P1_51394_39978387	NC_021162.1	Ca_kabuli_chr03	39978387	CC	TT	1940269978
SNP_P1_51395_39978389	NC_021162.1	Ca_kabuli_chr03	39978389	AA	GG	1940269980
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SNP_P1_51397_39978422	NC_021162.1	Ca_kabuli_chr03	39978422	AA	GG	1940269983
SNP_P1_51398_39978427	NC_021162.1	Ca_kabuli_chr03	39978427	AA	GG	1940269985
SNP_P1_51399_39979079	NC_021162.1	Ca_kabuli_chr03	39979079	TT	GG	1940269986
SNP_P1_51400_39979104	NC_021162.1	Ca_kabuli_chr03	39979104	TT	CC	1940269988

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51402_39979173	NC_021162.1	Ca_kabuli_chr03	39979173	GG	CC	1940269991
SNP_P1_51403_39979268	NC_021162.1	Ca_kabuli_chr03	39979268	AA	CC	1940269993
SNP_P1_51404_39979504	NC_021162.1	Ca_kabuli_chr03	39979504	TT	AA	1940269994
SNP_P1_51405_39981442	NC_021162.1	Ca_kabuli_chr03	39981442	AA	TT	1940269996
SNP_P1_51406_39981443	NC_021162.1	Ca_kabuli_chr03	39981443	TT	GG	1940269998
SNP_P1_51407_39981617	NC_021162.1	Ca_kabuli_chr03	39981617	TT	CC	1940269999
SNP_P1_51408_39981648	NC_021162.1	Ca_kabuli_chr03	39981648	GG	CC	1940270001
SNP_P1_51409_39981653	NC_021162.1	Ca_kabuli_chr03	39981653	GG	AA	1940270003
SNP_P1_51410_39988165	NC_021162.1	Ca_kabuli_chr03	39988165	GG	CC	1940270004
SNP_P1_51411_39988204	NC_021162.1	Ca_kabuli_chr03	39988204	AA	CC	1940270006
SNP_P1_51412_39988413	NC_021162.1	Ca_kabuli_chr03	39988413	GG	AA	1940270008
SNP_P1_51413_39988431	NC_021162.1	Ca_kabuli_chr03	39988431	CC	TT	1940270009
SNP_P1_51415_13991	NC_021163.1	Ca_kabuli_chr04	13991	TT	CC	1940270011
SNP_P1_51416_17977	NC_021163.1	Ca_kabuli_chr04	17977	TT	GG	1940270013
SNP_P1_51417_17983	NC_021163.1	Ca_kabuli_chr04	17983	TT	CC	1940270014
SNP_P1_51418_24040	NC_021163.1	Ca_kabuli_chr04	24040	TT	AA	1940270016
SNP_P1_51419_34389	NC_021163.1	Ca_kabuli_chr04	34389	AA	TT	1940270017
SNP_P1_51421_43120	NC_021163.1	Ca_kabuli_chr04	43120	AA	TT	1940270019
SNP_P1_51422_64669	NC_021163.1	Ca_kabuli_chr04	64669	TT	AA	1940270021
SNP_P1_51423_77956	NC_021163.1	Ca_kabuli_chr04	77956	TT	CC	1940270022
SNP_P1_51424_79769	NC_021163.1	Ca_kabuli_chr04	79769	GG	AA	1940270024
SNP_P1_51425_79777	NC_021163.1	Ca_kabuli_chr04	79777	TT	AA	1940270026
SNP_P1_51426_79781	NC_021163.1	Ca_kabuli_chr04	79781	AA	GG	1940270027
SNP_P1_51427_80152	NC_021163.1	Ca_kabuli_chr04	80152	CC	AA	1940270029
SNP_P1_51428_80166	NC_021163.1	Ca_kabuli_chr04	80166	AA	GG	1940270031
SNP_P1_51429_80169	NC_021163.1	Ca_kabuli_chr04	80169	TT	CC	1940270032
SNP_P1_51430_80212	NC_021163.1	Ca_kabuli_chr04	80212	CC	TT	1940270034
SNP_P1_51431_80250	NC_021163.1	Ca_kabuli_chr04	80250	AA	GG	1940270035
SNP_P1_51432_80289	NC_021163.1	Ca_kabuli_chr04	80289	AA	GG	1940270037
SNP_P1_51433_85556	NC_021163.1	Ca_kabuli_chr04	85556	TT	GG	1940270039
SNP_P1_51434_85592	NC_021163.1	Ca_kabuli_chr04	85592	GG	CC	1940270040
SNP_P1_51435_85657	NC_021163.1	Ca_kabuli_chr04	85657	CC	TT	1940270042
SNP_P1_51436_85661	NC_021163.1	Ca_kabuli_chr04	85661	GG	AA	1940270044
SNP_P1_51437_85692	NC_021163.1	Ca_kabuli_chr04	85692	CC	GG	1940270045
SNP_P1_51438_85694	NC_021163.1	Ca_kabuli_chr04	85694	GG	TT	1940270047
SNP_P1_51439_85714	NC_021163.1	Ca_kabuli_chr04	85714	TT	CC	1940270048
SNP_P1_51440_85717	NC_021163.1	Ca_kabuli_chr04	85717	CC	TT	1940270050
SNP_P1_51441_85721	NC_021163.1	Ca_kabuli_chr04	85721	CC	TT	1940270052
SNP_P1_51442_85761	NC_021163.1	Ca_kabuli_chr04	85761	AA	TT	1940270053
SNP_P1_51443_85945	NC_021163.1	Ca_kabuli_chr04	85945	TT	CC	1940270055
SNP_P1_51444_86019	NC_021163.1	Ca_kabuli_chr04	86019	TT	GG	1940270056

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51447_107207	NC_021163.1	Ca_kabuli_chr04	107207	CC	TT	1940270061
SNP_P1_51448_107270	NC_021163.1	Ca_kabuli_chr04	107270	TT	CC	1940270063
SNP_P1_51449_107573	NC_021163.1	Ca_kabuli_chr04	107573	GG	TT	1940270064
SNP_P1_51450_113187	NC_021163.1	Ca_kabuli_chr04	113187	TT	CC	1940270066
SNP_P1_51451_113197	NC_021163.1	Ca_kabuli_chr04	113197	TT	AA	1940270068
SNP_P1_51452_130718	NC_021163.1	Ca_kabuli_chr04	130718	TT	GG	1940270069
SNP_P1_51453_130733	NC_021163.1	Ca_kabuli_chr04	130733	CC	TT	1940270071
SNP_P1_51454_130759	NC_021163.1	Ca_kabuli_chr04	130759	AA	GG	1940270072
SNP_P1_51455_130769	NC_021163.1	Ca_kabuli_chr04	130769	AA	GG	1940270074
SNP_P1_51456_130789	NC_021163.1	Ca_kabuli_chr04	130789	TT	CC	1940270075
SNP_P1_51457_130827	NC_021163.1	Ca_kabuli_chr04	130827	AA	GG	1940270077
SNP_P1_51458_130850	NC_021163.1	Ca_kabuli_chr04	130850	TT	CC	1940270078
SNP_P1_51459_130860	NC_021163.1	Ca_kabuli_chr04	130860	AA	GG	1940270080
SNP_P1_51460_130974	NC_021163.1	Ca_kabuli_chr04	130974	AA	GG	1940270081
SNP_P1_51461_130983	NC_021163.1	Ca_kabuli_chr04	130983	AA	GG	1940270083
SNP_P1_51462_131016	NC_021163.1	Ca_kabuli_chr04	131016	AA	GG	1940270084
SNP_P1_51463_131032	NC_021163.1	Ca_kabuli_chr04	131032	CC	TT	1940270086
SNP_P1_51464_131049	NC_021163.1	Ca_kabuli_chr04	131049	TT	CC	1940270087
SNP_P1_51466_131091	NC_021163.1	Ca_kabuli_chr04	131091	GG	AA	1940270089
SNP_P1_51467_131093	NC_021163.1	Ca_kabuli_chr04	131093	CC	AA	1940270091
SNP_P1_51468_141798	NC_021163.1	Ca_kabuli_chr04	141798	AA	GG	1940270092
SNP_P1_51469_157616	NC_021163.1	Ca_kabuli_chr04	157616	TT	AA	1940270094
SNP_P1_51473_209064	NC_021163.1	Ca_kabuli_chr04	209064	GG	AA	1940270095
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SNP_P1_51475_274365	NC_021163.1	Ca_kabuli_chr04	274365	AA	TT	1940270098
SNP_P1_51476_274366	NC_021163.1	Ca_kabuli_chr04	274366	TT	AA	1940270099
SNP_P1_51477_274479	NC_021163.1	Ca_kabuli_chr04	274479	CC	AA	1940270101
SNP_P1_51479_324612	NC_021163.1	Ca_kabuli_chr04	324612	GG	AA	1940270102
SNP_P1_51481_326235	NC_021163.1	Ca_kabuli_chr04	326235	TT	CC	1940270103
SNP_P1_51482_339183	NC_021163.1	Ca_kabuli_chr04	339183	AA	GG	1940270104
SNP_P1_51483_339188	NC_021163.1	Ca_kabuli_chr04	339188	AA	GG	1940270106
SNP_P1_51484_357234	NC_021163.1	Ca_kabuli_chr04	357234	CC	TT	1940270107
SNP_P1_51485_357397	NC_021163.1	Ca_kabuli_chr04	357397	TT	AA	1940270108
SNP_P1_51486_357415	NC_021163.1	Ca_kabuli_chr04	357415	GG	AA	1940270109
SNP_P1_51487_357476	NC_021163.1	Ca_kabuli_chr04	357476	CC	TT	1940270111
SNP_P1_51488_357478	NC_021163.1	Ca_kabuli_chr04	357478	CC	AA	1940270112
SNP_P1_51489_357498	NC_021163.1	Ca_kabuli_chr04	357498	CC	AA	1940270113
SNP_P1_51490_357527	NC_021163.1	Ca_kabuli_chr04	357527	CC	TT	1940270115
SNP_P1_51491_357529	NC_021163.1	Ca_kabuli_chr04	357529	CC	TT	1940270116
SNP_P1_51492_357562	NC_021163.1	Ca_kabuli_chr04	357562	TT	CC	1940270117

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51495_357650	NC_021163.1	Ca_kabuli_chr04	357650	GG	AA	1940270121
SNP_P1_51496_359221	NC_021163.1	Ca_kabuli_chr04	359221	AA	GG	1940270122
SNP_P1_51497_368133	NC_021163.1	Ca_kabuli_chr04	368133	AA	GG	1940270124
SNP_P1_51498_368135	NC_021163.1	Ca_kabuli_chr04	368135	CC	TT	1940270125
SNP_P1_51499_368139	NC_021163.1	Ca_kabuli_chr04	368139	AA	TT	1940270126
SNP_P1_51500_368498	NC_021163.1	Ca_kabuli_chr04	368498	GG	AA	1940270127
SNP_P1_51501_391813	NC_021163.1	Ca_kabuli_chr04	391813	AA	TT	1940270129
SNP_P1_51502_391814	NC_021163.1	Ca_kabuli_chr04	391814	AA	CC	1940270130
SNP_P1_51503_417882	NC_021163.1	Ca_kabuli_chr04	417882	AA	GG	1940270131
SNP_P1_51504_417895	NC_021163.1	Ca_kabuli_chr04	417895	CC	TT	1940270132
SNP_P1_51505_417904	NC_021163.1	Ca_kabuli_chr04	417904	GG	AA	1940270134
SNP_P1_51506_418082	NC_021163.1	Ca_kabuli_chr04	418082	CC	TT	1940270135
SNP_P1_51507_418186	NC_021163.1	Ca_kabuli_chr04	418186	AA	GG	1940270136
SNP_P1_51508_418250	NC_021163.1	Ca_kabuli_chr04	418250	AA	CC	1940270137
SNP_P1_51510_421894	NC_021163.1	Ca_kabuli_chr04	421894	GG	AA	1940270139
SNP_P1_51511_427954	NC_021163.1	Ca_kabuli_chr04	427954	GG	AA	1940270140
SNP_P1_51512_434225	NC_021163.1	Ca_kabuli_chr04	434225	GG	TT	1940270141
SNP_P1_51513_471800	NC_021163.1	Ca_kabuli_chr04	471800	CC	TT	1940270143
SNP_P1_51514_478439	NC_021163.1	Ca_kabuli_chr04	478439	TT	CC	1940270144
SNP_P1_51515_478555	NC_021163.1	Ca_kabuli_chr04	478555	CC	AA	1940270145
SNP_P1_51516_486211	NC_021163.1	Ca_kabuli_chr04	486211	AA	CC	1940270146
SNP_P1_51517_513761	NC_021163.1	Ca_kabuli_chr04	513761	GG	AA	1940270148
SNP_P1_51518_528371	NC_021163.1	Ca_kabuli_chr04	528371	AA	GG	1940270149
SNP_P1_51519_528372	NC_021163.1	Ca_kabuli_chr04	528372	AA	TT	1940270151
SNP_P1_51520_531356	NC_021163.1	Ca_kabuli_chr04	531356	GG	AA	1940270152
SNP_P1_51521_537136	NC_021163.1	Ca_kabuli_chr04	537136	AA	TT	1940270154
SNP_P1_51522_542219	NC_021163.1	Ca_kabuli_chr04	542219	GG	AA	1940270156
SNP_P1_51523_559534	NC_021163.1	Ca_kabuli_chr04	559534	CC	TT	1940270157
SNP_P1_51525_568238	NC_021163.1	Ca_kabuli_chr04	568238	AA	TT	1940270159
SNP_P1_51526_568239	NC_021163.1	Ca_kabuli_chr04	568239	GG	CC	1940270160
SNP_P1_51527_568240	NC_021163.1	Ca_kabuli_chr04	568240	GG	AA	1940270162
SNP_P1_51528_568241	NC_021163.1	Ca_kabuli_chr04	568241	GG	AA	1940270164
SNP_P1_51529_568243	NC_021163.1	Ca_kabuli_chr04	568243	GG	TT	1940270165
SNP_P1_51530_579034	NC_021163.1	Ca_kabuli_chr04	579034	AA	CC	1940270167
SNP_P1_51532_640181	NC_021163.1	Ca_kabuli_chr04	640181	CC	GG	1940270168
SNP_P1_51533_666336	NC_021163.1	Ca_kabuli_chr04	666336	CC	AA	1940270170
SNP_P1_51534_672915	NC_021163.1	Ca_kabuli_chr04	672915	GG	TT	1940270171
SNP_P1_51535_673277	NC_021163.1	Ca_kabuli_chr04	673277	CC	TT	1940270173
SNP_P1_51536_674431	NC_021163.1	Ca_kabuli_chr04	674431	GG	AA	1940270175
SNP_P1_51537_693506	NC_021163.1	Ca_kabuli_chr04	693506	CC	TT	1940270176

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51540_718909	NC_021163.1	Ca_kabuli_chr04	718909	CC	TT	1940270179
SNP_P1_51542_773945	NC_021163.1	Ca_kabuli_chr04	773945	GG	AA	1940270181
SNP_P1_51543_788173	NC_021163.1	Ca_kabuli_chr04	788173	CC	TT	1940270182
SNP_P1_51544_814283	NC_021163.1	Ca_kabuli_chr04	814283	AA	CC	1940270184
SNP_P1_51545_814284	NC_021163.1	Ca_kabuli_chr04	814284	AA	CC	1940270186
SNP_P1_51546_823929	NC_021163.1	Ca_kabuli_chr04	823929	CC	AA	1940270187
SNP_P1_51547_823931	NC_021163.1	Ca_kabuli_chr04	823931	TT	CC	1940270189
SNP_P1_51548_823946	NC_021163.1	Ca_kabuli_chr04	823946	AA	GG	1940270190
SNP_P1_51549_823967	NC_021163.1	Ca_kabuli_chr04	823967	AA	CC	1940270192
SNP_P1_51550_823970	NC_021163.1	Ca_kabuli_chr04	823970	TT	CC	1940270193
SNP_P1_51551_833136	NC_021163.1	Ca_kabuli_chr04	833136	AA	TT	1940270195
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SNP_P1_51554_902153	NC_021163.1	Ca_kabuli_chr04	902153	GG	AA	1940270201
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SNP_P1_51556_949907	NC_021163.1	Ca_kabuli_chr04	949907	CC	TT	1940270205
SNP_P1_51557_958445	NC_021163.1	Ca_kabuli_chr04	958445	AA	GG	1940270208
SNP_P1_51559_982276	NC_021163.1	Ca_kabuli_chr04	982276	AA	GG	1940270210
SNP_P1_51563_1023040	NC_021163.1	Ca_kabuli_chr04	1023040	TT	AA	1940270212
SNP_P1_51564_1029046	NC_021163.1	Ca_kabuli_chr04	1029046	CC	TT	1940270214
SNP_P1_51565_1055610	NC_021163.1	Ca_kabuli_chr04	1055610	GG	AA	1940270217
SNP_P1_51566_1055878	NC_021163.1	Ca_kabuli_chr04	1055878	CC	GG	1940270219
SNP_P1_51567_1059819	NC_021163.1	Ca_kabuli_chr04	1059819	AA	GG	1940270221
SNP_P1_51568_1089346	NC_021163.1	Ca_kabuli_chr04	1089346	TT	CC	1940270224
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SNP_P1_51573_1172883	NC_021163.1	Ca_kabuli_chr04	1172883	TT	GG	1940270230
SNP_P1_51574_1179747	NC_021163.1	Ca_kabuli_chr04	1179747	AA	TT	1940270233
SNP_P1_51575_1185614	NC_021163.1	Ca_kabuli_chr04	1185614	AA	GG	1940270235
SNP_P1_51577_1227317	NC_021163.1	Ca_kabuli_chr04	1227317	GG	AA	1940270237
SNP_P1_51578_1233809	NC_021163.1	Ca_kabuli_chr04	1233809	GG	TT	1940270240
SNP_P1_51580_1273383	NC_021163.1	Ca_kabuli_chr04	1273383	AA	GG	1940270242
SNP_P1_51581_1281262	NC_021163.1	Ca_kabuli_chr04	1281262	TT	CC	1940270244
SNP_P1_51583_1298496	NC_021163.1	Ca_kabuli_chr04	1298496	TT	CC	1940270246
SNP_P1_51585_1309137	NC_021163.1	Ca_kabuli_chr04	1309137	CC	TT	1940270249
SNP_P1_51587_1329435	NC_021163.1	Ca_kabuli_chr04	1329435	TT	CC	1940270250
SNP_P1_51588_1332059	NC_021163.1	Ca_kabuli_chr04	1332059	TT	CC	1940270252
SNP_P1_51589_1337990	NC_021163.1	Ca_kabuli_chr04	1337990	CC	GG	1940270253
SNP_P1_51590_1362309	NC_021163.1	Ca_kabuli_chr04	1362309	AA	CC	1940270255
SNP_P1_51591_1362310	NC_021163.1	Ca_kabuli_chr04	1362310	AA	GG	1940270256
SNP_P1_51593_1381770	NC_021163.1	Ca_kabuli_chr04	1381770	GG	AA	1940270257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51597_1408998	NC_021163.1	Ca_kabuli_chr04	1408998	CC	TT	1940270261
SNP_P1_51598_1416664	NC_021163.1	Ca_kabuli_chr04	1416664	GG	AA	1940270262
SNP_P1_51599_1429457	NC_021163.1	Ca_kabuli_chr04	1429457	AA	GG	1940270263
SNP_P1_51600_1440675	NC_021163.1	Ca_kabuli_chr04	1440675	TT	CC	1940270265
SNP_P1_51602_1474086	NC_021163.1	Ca_kabuli_chr04	1474086	AA	CC	1940270266
SNP_P1_51604_1484913	NC_021163.1	Ca_kabuli_chr04	1484913	AA	GG	1940270267
SNP_P1_51605_1499677	NC_021163.1	Ca_kabuli_chr04	1499677	GG	TT	1940270269
SNP_P1_51606_1521075	NC_021163.1	Ca_kabuli_chr04	1521075	AA	GG	1940270270
SNP_P1_51607_1536552	NC_021163.1	Ca_kabuli_chr04	1536552	CC	TT	1940270271
SNP_P1_51608_1536859	NC_021163.1	Ca_kabuli_chr04	1536859	TT	CC	1940270272
SNP_P1_51610_1550139	NC_021163.1	Ca_kabuli_chr04	1550139	CC	TT	1940270274
SNP_P1_51611_1556316	NC_021163.1	Ca_kabuli_chr04	1556316	GG	AA	1940270275
SNP_P1_51612_1590864	NC_021163.1	Ca_kabuli_chr04	1590864	AA	CC	1940270276
SNP_P1_51614_1592076	NC_021163.1	Ca_kabuli_chr04	1592076	TT	GG	1940270277
SNP_P1_51615_1592080	NC_021163.1	Ca_kabuli_chr04	1592080	TT	AA	1940270279
SNP_P1_51616_1596982	NC_021163.1	Ca_kabuli_chr04	1596982	GG	AA	1940270280
SNP_P1_51617_1597120	NC_021163.1	Ca_kabuli_chr04	1597120	TT	CC	1940270281
SNP_P1_51618_1601051	NC_021163.1	Ca_kabuli_chr04	1601051	GG	AA	1940270282
SNP_P1_51619_1605325	NC_021163.1	Ca_kabuli_chr04	1605325	AA	CC	1940270284
SNP_P1_51620_1607865	NC_021163.1	Ca_kabuli_chr04	1607865	GG	TT	1940270285
SNP_P1_51621_1615412	NC_021163.1	Ca_kabuli_chr04	1615412	TT	GG	1940270286
SNP_P1_51622_1615413	NC_021163.1	Ca_kabuli_chr04	1615413	TT	GG	1940270288
SNP_P1_51624_1646739	NC_021163.1	Ca_kabuli_chr04	1646739	CC	TT	1940270289
SNP_P1_51625_1648430	NC_021163.1	Ca_kabuli_chr04	1648430	GG	AA	1940270290
SNP_P1_51627_1676623	NC_021163.1	Ca_kabuli_chr04	1676623	GG	TT	1940270291
SNP_P1_51628_1676636	NC_021163.1	Ca_kabuli_chr04	1676636	GG	AA	1940270293
SNP_P1_51630_1676975	NC_021163.1	Ca_kabuli_chr04	1676975	CC	TT	1940270294
SNP_P1_51631_1676981	NC_021163.1	Ca_kabuli_chr04	1676981	TT	CC	1940270295
SNP_P1_51632_1677022	NC_021163.1	Ca_kabuli_chr04	1677022	GG	AA	1940270296
SNP_P1_51633_1677032	NC_021163.1	Ca_kabuli_chr04	1677032	GG	TT	1940270298
SNP_P1_51634_1677042	NC_021163.1	Ca_kabuli_chr04	1677042	AA	CC	1940270299
SNP_P1_51635_1677101	NC_021163.1	Ca_kabuli_chr04	1677101	TT	AA	1940270300
SNP_P1_51636_1677111	NC_021163.1	Ca_kabuli_chr04	1677111	TT	GG	1940270301
SNP_P1_51637_1677197	NC_021163.1	Ca_kabuli_chr04	1677197	GG	AA	1940270303
SNP_P1_51638_1677209	NC_021163.1	Ca_kabuli_chr04	1677209	TT	AA	1940270304
SNP_P1_51639_1677215	NC_021163.1	Ca_kabuli_chr04	1677215	GG	CC	1940270305
SNP_P1_51640_1677219	NC_021163.1	Ca_kabuli_chr04	1677219	TT	GG	1940270306
SNP_P1_51641_1677233	NC_021163.1	Ca_kabuli_chr04	1677233	TT	CC	1940270308
SNP_P1_51642_1677241	NC_021163.1	Ca_kabuli_chr04	1677241	TT	CC	1940270309
SNP_P1_51643_1677242	NC_021163.1	Ca_kabuli_chr04	1677242	GG	AA	1940270310

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51647_1681504	NC_021163.1	Ca_kabuli_chr04	1681504	TT	CC	1940270313
SNP_P1_51648_1707575	NC_021163.1	Ca_kabuli_chr04	1707575	TT	AA	1940270314
SNP_P1_51649_1713322	NC_021163.1	Ca_kabuli_chr04	1713322	CC	TT	1940270315
SNP_P1_51650_1733333	NC_021163.1	Ca_kabuli_chr04	1733333	TT	CC	1940270317
SNP_P1_51651_1757219	NC_021163.1	Ca_kabuli_chr04	1757219	AA	TT	1940270318
SNP_P1_51652_1762477	NC_021163.1	Ca_kabuli_chr04	1762477	CC	AA	1940270319
SNP_P1_51653_1763606	NC_021163.1	Ca_kabuli_chr04	1763606	AA	GG	1940270320
SNP_P1_51654_1763741	NC_021163.1	Ca_kabuli_chr04	1763741	AA	TT	1940270322
SNP_P1_51657_1765618	NC_021163.1	Ca_kabuli_chr04	1765618	GG	AA	1940270323
SNP_P1_51658_1765656	NC_021163.1	Ca_kabuli_chr04	1765656	CC	TT	1940270324
SNP_P1_51659_1766023	NC_021163.1	Ca_kabuli_chr04	1766023	GG	AA	1940270326
SNP_P1_51660_1766075	NC_021163.1	Ca_kabuli_chr04	1766075	GG	AA	1940270328
SNP_P1_51661_1766094	NC_021163.1	Ca_kabuli_chr04	1766094	CC	TT	1940270329
SNP_P1_51662_1766105	NC_021163.1	Ca_kabuli_chr04	1766105	TT	GG	1940270331
SNP_P1_51663_1767044	NC_021163.1	Ca_kabuli_chr04	1767044	AA	GG	1940270332
SNP_P1_51664_1767045	NC_021163.1	Ca_kabuli_chr04	1767045	AA	GG	1940270334
SNP_P1_51665_1767743	NC_021163.1	Ca_kabuli_chr04	1767743	AA	GG	1940270335
SNP_P1_51667_1772493	NC_021163.1	Ca_kabuli_chr04	1772493	AA	CC	1940270337
SNP_P1_51668_1774848	NC_021163.1	Ca_kabuli_chr04	1774848	CC	TT	1940270338
SNP_P1_51669_1775227	NC_021163.1	Ca_kabuli_chr04	1775227	GG	AA	1940270340
SNP_P1_51670_1775230	NC_021163.1	Ca_kabuli_chr04	1775230	GG	CC	1940270342
SNP_P1_51671_1775243	NC_021163.1	Ca_kabuli_chr04	1775243	CC	TT	1940270343
SNP_P1_51672_1775265	NC_021163.1	Ca_kabuli_chr04	1775265	CC	TT	1940270345
SNP_P1_51674_1779059	NC_021163.1	Ca_kabuli_chr04	1779059	AA	CC	1940270346
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SNP_P1_51676_1779363	NC_021163.1	Ca_kabuli_chr04	1779363	CC	GG	1940270349
SNP_P1_51677_1779838	NC_021163.1	Ca_kabuli_chr04	1779838	CC	TT	1940270351
SNP_P1_51678_1780135	NC_021163.1	Ca_kabuli_chr04	1780135	GG	AA	1940270353
SNP_P1_51679_1780177	NC_021163.1	Ca_kabuli_chr04	1780177	AA	GG	1940270354
SNP_P1_51681_1780202	NC_021163.1	Ca_kabuli_chr04	1780202	GG	TT	1940270356
SNP_P1_51682_1780359	NC_021163.1	Ca_kabuli_chr04	1780359	GG	TT	1940270357
SNP_P1_51683_1780403	NC_021163.1	Ca_kabuli_chr04	1780403	AA	GG	1940270359
SNP_P1_51684_1780413	NC_021163.1	Ca_kabuli_chr04	1780413	TT	GG	1940270360
SNP_P1_51686_1781745	NC_021163.1	Ca_kabuli_chr04	1781745	GG	AA	1940270362
SNP_P1_51687_1781806	NC_021163.1	Ca_kabuli_chr04	1781806	CC	AA	1940270363
SNP_P1_51689_1783613	NC_021163.1	Ca_kabuli_chr04	1783613	TT	AA	1940270365
SNP_P1_51690_1785777	NC_021163.1	Ca_kabuli_chr04	1785777	AA	GG	1940270367
SNP_P1_51693_1786417	NC_021163.1	Ca_kabuli_chr04	1786417	CC	GG	1940270368
SNP_P1_51694_1786504	NC_021163.1	Ca_kabuli_chr04	1786504	TT	GG	1940270370
SNP_P1_51695_1786768	NC_021163.1	Ca_kabuli_chr04	1786768	TT	GG	1940270371
SNP_P1_51696_1786827	NC_021163.1	Ca_kabuli_chr04	1786827	AA	GG	1940270373

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51698_1788419	NC_021163.1	Ca_kabuli_chr04	1788419	TT	CC	1940270376
SNP_P1_51699_1788433	NC_021163.1	Ca_kabuli_chr04	1788433	GG	AA	1940270378
SNP_P1_51700_1789005	NC_021163.1	Ca_kabuli_chr04	1789005	AA	CC	1940270379
SNP_P1_51701_1789265	NC_021163.1	Ca_kabuli_chr04	1789265	GG	AA	1940270381
SNP_P1_51702_1789377	NC_021163.1	Ca_kabuli_chr04	1789377	CC	TT	1940270382
SNP_P1_51703_1789390	NC_021163.1	Ca_kabuli_chr04	1789390	TT	CC	1940270384
SNP_P1_51704_1789403	NC_021163.1	Ca_kabuli_chr04	1789403	AA	GG	1940270385
SNP_P1_51705_1789408	NC_021163.1	Ca_kabuli_chr04	1789408	GG	AA	1940270387
SNP_P1_51706_1789414	NC_021163.1	Ca_kabuli_chr04	1789414	GG	AA	1940270389
SNP_P1_51707_1789433	NC_021163.1	Ca_kabuli_chr04	1789433	AA	CC	1940270390
SNP_P1_51708_1789434	NC_021163.1	Ca_kabuli_chr04	1789434	CC	AA	1940270392
SNP_P1_51710_1789590	NC_021163.1	Ca_kabuli_chr04	1789590	TT	GG	1940270393
SNP_P1_51711_1789648	NC_021163.1	Ca_kabuli_chr04	1789648	TT	GG	1940270395
SNP_P1_51713_1791871	NC_021163.1	Ca_kabuli_chr04	1791871	AA	GG	1940270396
SNP_P1_51715_1791990	NC_021163.1	Ca_kabuli_chr04	1791990	AA	GG	1940270398
SNP_P1_51716_1792011	NC_021163.1	Ca_kabuli_chr04	1792011	AA	GG	1940270400
SNP_P1_51717_1792114	NC_021163.1	Ca_kabuli_chr04	1792114	GG	AA	1940270401
SNP_P1_51719_1794183	NC_021163.1	Ca_kabuli_chr04	1794183	GG	AA	1940270403
SNP_P1_51720_1794222	NC_021163.1	Ca_kabuli_chr04	1794222	TT	CC	1940270404
SNP_P1_51721_1794233	NC_021163.1	Ca_kabuli_chr04	1794233	GG	AA	1940270406
SNP_P1_51722_1794682	NC_021163.1	Ca_kabuli_chr04	1794682	TT	AA	1940270407
SNP_P1_51724_1795380	NC_021163.1	Ca_kabuli_chr04	1795380	GG	AA	1940270409
SNP_P1_51725_1800269	NC_021163.1	Ca_kabuli_chr04	1800269	AA	GG	1940270411
SNP_P1_51726_1804749	NC_021163.1	Ca_kabuli_chr04	1804749	TT	CC	1940270412
SNP_P1_51727_1806726	NC_021163.1	Ca_kabuli_chr04	1806726	AA	GG	1940270414
SNP_P1_51728_1812882	NC_021163.1	Ca_kabuli_chr04	1812882	TT	CC	1940270415
SNP_P1_51729_1812891	NC_021163.1	Ca_kabuli_chr04	1812891	AA	GG	1940270417
SNP_P1_51730_1813211	NC_021163.1	Ca_kabuli_chr04	1813211	TT	AA	1940270418
SNP_P1_51731_1813759	NC_021163.1	Ca_kabuli_chr04	1813759	AA	TT	1940270420
SNP_P1_51732_1814127	NC_021163.1	Ca_kabuli_chr04	1814127	AA	TT	1940270422
SNP_P1_51733_1814157	NC_021163.1	Ca_kabuli_chr04	1814157	GG	CC	1940270423
SNP_P1_51735_1818642	NC_021163.1	Ca_kabuli_chr04	1818642	CC	TT	1940270425
SNP_P1_51737_1818738	NC_021163.1	Ca_kabuli_chr04	1818738	GG	AA	1940270426
SNP_P1_51738_1818743	NC_021163.1	Ca_kabuli_chr04	1818743	AA	TT	1940270428
SNP_P1_51739_1818745	NC_021163.1	Ca_kabuli_chr04	1818745	AA	TT	1940270429
SNP_P1_51740_1818840	NC_021163.1	Ca_kabuli_chr04	1818840	AA	CC	1940270431
SNP_P1_51741_1819813	NC_021163.1	Ca_kabuli_chr04	1819813	CC	TT	1940270433
SNP_P1_51742_1819815	NC_021163.1	Ca_kabuli_chr04	1819815	GG	TT	1940270434
SNP_P1_51744_1819879	NC_021163.1	Ca_kabuli_chr04	1819879	TT	AA	1940270436
SNP_P1_51745_1819922	NC_021163.1	Ca_kabuli_chr04	1819922	CC	AA	1940270437
SNP_P1_51746_1820117	NC_021163.1	Ca_kabuli_chr04	1820117	GG	AA	1940270439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51748_1820158	NC_021163.1	Ca_kabuli_chr04	1820158	CC	TT	1940270442
SNP_P1_51749_1820425	NC_021163.1	Ca_kabuli_chr04	1820425	GG	TT	1940270444
SNP_P1_51750_1821722	NC_021163.1	Ca_kabuli_chr04	1821722	TT	CC	1940270445
SNP_P1_51751_1821752	NC_021163.1	Ca_kabuli_chr04	1821752	CC	TT	1940270447
SNP_P1_51752_1821753	NC_021163.1	Ca_kabuli_chr04	1821753	AA	CC	1940270448
SNP_P1_51753_1821953	NC_021163.1	Ca_kabuli_chr04	1821953	AA	GG	1940270450
SNP_P1_51754_1822223	NC_021163.1	Ca_kabuli_chr04	1822223	TT	CC	1940270451
SNP_P1_51755_1822245	NC_021163.1	Ca_kabuli_chr04	1822245	GG	AA	1940270453
SNP_P1_51756_1822247	NC_021163.1	Ca_kabuli_chr04	1822247	GG	AA	1940270455
SNP_P1_51757_1822261	NC_021163.1	Ca_kabuli_chr04	1822261	TT	CC	1940270456
SNP_P1_51758_1823003	NC_021163.1	Ca_kabuli_chr04	1823003	AA	GG	1940270458
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SNP_P1_51760_1823903	NC_021163.1	Ca_kabuli_chr04	1823903	TT	CC	1940270461
SNP_P1_51761_1823954	NC_021163.1	Ca_kabuli_chr04	1823954	AA	CC	1940270462
SNP_P1_51762_1824304	NC_021163.1	Ca_kabuli_chr04	1824304	GG	AA	1940270464
SNP_P1_51763_1824309	NC_021163.1	Ca_kabuli_chr04	1824309	GG	AA	1940270466
SNP_P1_51764_1824479	NC_021163.1	Ca_kabuli_chr04	1824479	GG	AA	1940270467
SNP_P1_51766_1824650	NC_021163.1	Ca_kabuli_chr04	1824650	CC	TT	1940270469
SNP_P1_51767_1824739	NC_021163.1	Ca_kabuli_chr04	1824739	CC	TT	1940270470
SNP_P1_51768_1824925	NC_021163.1	Ca_kabuli_chr04	1824925	CC	TT	1940270472
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SNP_P1_51770_1825065	NC_021163.1	Ca_kabuli_chr04	1825065	CC	TT	1940270475
SNP_P1_51771_1825483	NC_021163.1	Ca_kabuli_chr04	1825483	AA	GG	1940270477
SNP_P1_51773_1825549	NC_021163.1	Ca_kabuli_chr04	1825549	TT	CC	1940270478
SNP_P1_51774_1825837	NC_021163.1	Ca_kabuli_chr04	1825837	AA	GG	1940270480
SNP_P1_51775_1825838	NC_021163.1	Ca_kabuli_chr04	1825838	AA	TT	1940270481
SNP_P1_51776_1825839	NC_021163.1	Ca_kabuli_chr04	1825839	CC	AA	1940270483
SNP_P1_51777_1825965	NC_021163.1	Ca_kabuli_chr04	1825965	CC	AA	1940270484
SNP_P1_51778_1825968	NC_021163.1	Ca_kabuli_chr04	1825968	CC	TT	1940270486
SNP_P1_51779_1826392	NC_021163.1	Ca_kabuli_chr04	1826392	CC	TT	1940270488
SNP_P1_51780_1826402	NC_021163.1	Ca_kabuli_chr04	1826402	GG	AA	1940270489
SNP_P1_51781_1826403	NC_021163.1	Ca_kabuli_chr04	1826403	TT	CC	1940270491
SNP_P1_51782_1826533	NC_021163.1	Ca_kabuli_chr04	1826533	GG	AA	1940270492
SNP_P1_51783_1826636	NC_021163.1	Ca_kabuli_chr04	1826636	CC	TT	1940270494
SNP_P1_51784_1826663	NC_021163.1	Ca_kabuli_chr04	1826663	CC	AA	1940270495
SNP_P1_51785_1826678	NC_021163.1	Ca_kabuli_chr04	1826678	AA	GG	1940270497
SNP_P1_51786_1826700	NC_021163.1	Ca_kabuli_chr04	1826700	AA	GG	1940270498
SNP_P1_51787_1826727	NC_021163.1	Ca_kabuli_chr04	1826727	CC	TT	1940270500
SNP_P1_51788_1827631	NC_021163.1	Ca_kabuli_chr04	1827631	GG	AA	1940270502
SNP_P1_51789_1827639	NC_021163.1	Ca_kabuli_chr04	1827639	GG	AA	1940270503
SNP_P1_51790_1827673	NC_021163.1	Ca_kabuli_chr04	1827673	GG	TT	1940270505

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51793_1830675	NC_021163.1	Ca_kabuli_chr04	1830675	AA	TT	1940270508
SNP_P1_51794_1830715	NC_021163.1	Ca_kabuli_chr04	1830715	CC	TT	1940270510
SNP_P1_51795_1830863	NC_021163.1	Ca_kabuli_chr04	1830863	GG	TT	1940270511
SNP_P1_51797_1831525	NC_021163.1	Ca_kabuli_chr04	1831525	TT	CC	1940270513
SNP_P1_51798_1831544	NC_021163.1	Ca_kabuli_chr04	1831544	AA	TT	1940270514
SNP_P1_51800_1831855	NC_021163.1	Ca_kabuli_chr04	1831855	CC	AA	1940270516
SNP_P1_51801_1831856	NC_021163.1	Ca_kabuli_chr04	1831856	TT	GG	1940270517
SNP_P1_51802_1833090	NC_021163.1	Ca_kabuli_chr04	1833090	GG	AA	1940270519
SNP_P1_51803_1833127	NC_021163.1	Ca_kabuli_chr04	1833127	AA	TT	1940270521
SNP_P1_51804_1833128	NC_021163.1	Ca_kabuli_chr04	1833128	GG	AA	1940270522
SNP_P1_51805_1833143	NC_021163.1	Ca_kabuli_chr04	1833143	AA	TT	1940270524
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SNP_P1_51807_1833872	NC_021163.1	Ca_kabuli_chr04	1833872	CC	AA	1940270527
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SNP_P1_51809_1834292	NC_021163.1	Ca_kabuli_chr04	1834292	GG	AA	1940270530
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SNP_P1_51811_1835026	NC_021163.1	Ca_kabuli_chr04	1835026	AA	CC	1940270533
SNP_P1_51812_1835044	NC_021163.1	Ca_kabuli_chr04	1835044	GG	AA	1940270535
SNP_P1_51813_1835951	NC_021163.1	Ca_kabuli_chr04	1835951	TT	CC	1940270536
SNP_P1_51815_1836508	NC_021163.1	Ca_kabuli_chr04	1836508	TT	CC	1940270538
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SNP_P1_51817_1839161	NC_021163.1	Ca_kabuli_chr04	1839161	CC	TT	1940270541
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SNP_P1_51819_1840353	NC_021163.1	Ca_kabuli_chr04	1840353	AA	GG	1940270544
SNP_P1_51822_1841808	NC_021163.1	Ca_kabuli_chr04	1841808	GG	TT	1940270546
SNP_P1_51823_1842481	NC_021163.1	Ca_kabuli_chr04	1842481	AA	CC	1940270547
SNP_P1_51825_1843404	NC_021163.1	Ca_kabuli_chr04	1843404	TT	AA	1940270549
SNP_P1_51826_1843415	NC_021163.1	Ca_kabuli_chr04	1843415	TT	AA	1940270550
SNP_P1_51827_1844407	NC_021163.1	Ca_kabuli_chr04	1844407	GG	AA	1940270552
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SNP_P1_51829_1845012	NC_021163.1	Ca_kabuli_chr04	1845012	TT	CC	1940270555
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SNP_P1_51834_1847944	NC_021163.1	Ca_kabuli_chr04	1847944	GG	TT	1940270561
SNP_P1_51836_1849382	NC_021163.1	Ca_kabuli_chr04	1849382	TT	CC	1940270563
SNP_P1_51840_1849634	NC_021163.1	Ca_kabuli_chr04	1849634	AA	GG	1940270564
SNP_P1_51841_1855038	NC_021163.1	Ca_kabuli_chr04	1855038	TT	AA	1940270566
SNP_P1_51844_1856416	NC_021163.1	Ca_kabuli_chr04	1856416	GG	CC	1940270568
SNP_P1_51845_1858388	NC_021163.1	Ca_kabuli_chr04	1858388	AA	CC	1940270569
SNP_P1_51846_1858441	NC_021163.1	Ca_kabuli_chr04	1858441	TT	GG	1940270571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51848_1858523	NC_021163.1	Ca_kabuli_chr04	1858523	TT	CC	1940270574
SNP_P1_51849_1858533	NC_021163.1	Ca_kabuli_chr04	1858533	TT	AA	1940270575
SNP_P1_51850_1858702	NC_021163.1	Ca_kabuli_chr04	1858702	AA	CC	1940270577
SNP_P1_51851_1859517	NC_021163.1	Ca_kabuli_chr04	1859517	CC	TT	1940270579
SNP_P1_51852_1859832	NC_021163.1	Ca_kabuli_chr04	1859832	TT	CC	1940270580
SNP_P1_51853_1859844	NC_021163.1	Ca_kabuli_chr04	1859844	TT	CC	1940270582
SNP_P1_51854_1859887	NC_021163.1	Ca_kabuli_chr04	1859887	CC	TT	1940270583
SNP_P1_51855_1860108	NC_021163.1	Ca_kabuli_chr04	1860108	AA	GG	1940270585
SNP_P1_51856_1861758	NC_021163.1	Ca_kabuli_chr04	1861758	CC	TT	1940270586
SNP_P1_51859_1864950	NC_021163.1	Ca_kabuli_chr04	1864950	CC	GG	1940270588
SNP_P1_51860_1865082	NC_021163.1	Ca_kabuli_chr04	1865082	CC	TT	1940270590
SNP_P1_51861_1866090	NC_021163.1	Ca_kabuli_chr04	1866090	AA	GG	1940270591
SNP_P1_51862_1866251	NC_021163.1	Ca_kabuli_chr04	1866251	CC	TT	1940270593
SNP_P1_51863_1866273	NC_021163.1	Ca_kabuli_chr04	1866273	TT	CC	1940270594
SNP_P1_51864_1866275	NC_021163.1	Ca_kabuli_chr04	1866275	GG	AA	1940270596
SNP_P1_51865_1866281	NC_021163.1	Ca_kabuli_chr04	1866281	CC	TT	1940270597
SNP_P1_51866_1866287	NC_021163.1	Ca_kabuli_chr04	1866287	CC	TT	1940270599
SNP_P1_51867_1866289	NC_021163.1	Ca_kabuli_chr04	1866289	GG	AA	1940270601
SNP_P1_51868_1866293	NC_021163.1	Ca_kabuli_chr04	1866293	TT	CC	1940270602
SNP_P1_51869_1866306	NC_021163.1	Ca_kabuli_chr04	1866306	AA	GG	1940270604
SNP_P1_51870_1866324	NC_021163.1	Ca_kabuli_chr04	1866324	CC	TT	1940270605
SNP_P1_51871_1866327	NC_021163.1	Ca_kabuli_chr04	1866327	CC	TT	1940270607
SNP_P1_51872_1866558	NC_021163.1	Ca_kabuli_chr04	1866558	GG	AA	1940270608
SNP_P1_51873_1867618	NC_021163.1	Ca_kabuli_chr04	1867618	AA	GG	1940270610
SNP_P1_51874_1870666	NC_021163.1	Ca_kabuli_chr04	1870666	CC	GG	1940270612
SNP_P1_51875_1871064	NC_021163.1	Ca_kabuli_chr04	1871064	TT	CC	1940270613
SNP_P1_51876_1871281	NC_021163.1	Ca_kabuli_chr04	1871281	TT	GG	1940270615
SNP_P1_51877_1872225	NC_021163.1	Ca_kabuli_chr04	1872225	GG	CC	1940270616
SNP_P1_51878_1872747	NC_021163.1	Ca_kabuli_chr04	1872747	GG	CC	1940270618
SNP_P1_51879_1873557	NC_021163.1	Ca_kabuli_chr04	1873557	GG	CC	1940270620
SNP_P1_51880_1874738	NC_021163.1	Ca_kabuli_chr04	1874738	CC	AA	1940270621
SNP_P1_51881_1874740	NC_021163.1	Ca_kabuli_chr04	1874740	AA	GG	1940270623
SNP_P1_51882_1874813	NC_021163.1	Ca_kabuli_chr04	1874813	CC	TT	1940270624
SNP_P1_51883_1874826	NC_021163.1	Ca_kabuli_chr04	1874826	AA	TT	1940270626
SNP_P1_51884_1882550	NC_021163.1	Ca_kabuli_chr04	1882550	CC	TT	1940270627
SNP_P1_51885_1892810	NC_021163.1	Ca_kabuli_chr04	1892810	CC	AA	1940270629
SNP_P1_51886_1892814	NC_021163.1	Ca_kabuli_chr04	1892814	AA	CC	1940270631
SNP_P1_51887_1899792	NC_021163.1	Ca_kabuli_chr04	1899792	AA	GG	1940270632
SNP_P1_51888_1903951	NC_021163.1	Ca_kabuli_chr04	1903951	AA	GG	1940270634
SNP_P1_51889_1904694	NC_021163.1	Ca_kabuli_chr04	1904694	AA	GG	1940270635
SNP_P1_51890_1906521	NC_021163.1	Ca_kabuli_chr04	1906521	TT	CC	1940270637

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51895_1941973	NC_021163.1	Ca_kabuli_chr04	1941973	TT	CC	1940270640
SNP_P1_51897_1956134	NC_021163.1	Ca_kabuli_chr04	1956134	AA	GG	1940270642
SNP_P1_51898_1987851	NC_021163.1	Ca_kabuli_chr04	1987851	GG	CC	1940270643
SNP_P1_51899_1996415	NC_021163.1	Ca_kabuli_chr04	1996415	CC	TT	1940270645
SNP_P1_51901_2022435	NC_021163.1	Ca_kabuli_chr04	2022435	GG	AA	1940270646
SNP_P1_51903_2023425	NC_021163.1	Ca_kabuli_chr04	2023425	TT	CC	1940270648
SNP_P1_51904_2023429	NC_021163.1	Ca_kabuli_chr04	2023429	GG	AA	1940270649
SNP_P1_51905_2023444	NC_021163.1	Ca_kabuli_chr04	2023444	AA	GG	1940270651
SNP_P1_51906_2024095	NC_021163.1	Ca_kabuli_chr04	2024095	GG	AA	1940270653
SNP_P1_51907_2024108	NC_021163.1	Ca_kabuli_chr04	2024108	AA	GG	1940270654
SNP_P1_51908_2024112	NC_021163.1	Ca_kabuli_chr04	2024112	GG	AA	1940270656
SNP_P1_51909_2024132	NC_021163.1	Ca_kabuli_chr04	2024132	GG	CC	1940270657
SNP_P1_51910_2024142	NC_021163.1	Ca_kabuli_chr04	2024142	GG	CC	1940270659
SNP_P1_51911_2024144	NC_021163.1	Ca_kabuli_chr04	2024144	CC	AA	1940270660
SNP_P1_51912_2024376	NC_021163.1	Ca_kabuli_chr04	2024376	AA	TT	1940270662
SNP_P1_51913_2024379	NC_021163.1	Ca_kabuli_chr04	2024379	AA	GG	1940270664
SNP_P1_51914_2029523	NC_021163.1	Ca_kabuli_chr04	2029523	GG	TT	1940270665
SNP_P1_51915_2029524	NC_021163.1	Ca_kabuli_chr04	2029524	CC	GG	1940270667
SNP_P1_51917_2030240	NC_021163.1	Ca_kabuli_chr04	2030240	CC	TT	1940270669
SNP_P1_51919_2032225	NC_021163.1	Ca_kabuli_chr04	2032225	CC	TT	1940270670
SNP_P1_51920_2032243	NC_021163.1	Ca_kabuli_chr04	2032243	TT	CC	1940270672
SNP_P1_51921_2032329	NC_021163.1	Ca_kabuli_chr04	2032329	CC	TT	1940270673
SNP_P1_51922_2032374	NC_021163.1	Ca_kabuli_chr04	2032374	GG	AA	1940270675
SNP_P1_51923_2032396	NC_021163.1	Ca_kabuli_chr04	2032396	GG	CC	1940270676
SNP_P1_51924_2032416	NC_021163.1	Ca_kabuli_chr04	2032416	CC	GG	1940270678
SNP_P1_51925_2032427	NC_021163.1	Ca_kabuli_chr04	2032427	GG	AA	1940270679
SNP_P1_51926_2032449	NC_021163.1	Ca_kabuli_chr04	2032449	AA	GG	1940270681
SNP_P1_51927_2032480	NC_021163.1	Ca_kabuli_chr04	2032480	TT	CC	1940270683
SNP_P1_51928_2032481	NC_021163.1	Ca_kabuli_chr04	2032481	GG	TT	1940270684
SNP_P1_51929_2032510	NC_021163.1	Ca_kabuli_chr04	2032510	AA	TT	1940270686
SNP_P1_51930_2032529	NC_021163.1	Ca_kabuli_chr04	2032529	GG	AA	1940270687
SNP_P1_51932_2032567	NC_021163.1	Ca_kabuli_chr04	2032567	TT	CC	1940270689
SNP_P1_51933_2032582	NC_021163.1	Ca_kabuli_chr04	2032582	CC	TT	1940270691
SNP_P1_51934_2032636	NC_021163.1	Ca_kabuli_chr04	2032636	AA	GG	1940270692
SNP_P1_51935_2032638	NC_021163.1	Ca_kabuli_chr04	2032638	TT	AA	1940270694
SNP_P1_51936_2032720	NC_021163.1	Ca_kabuli_chr04	2032720	CC	AA	1940270695
SNP_P1_51937_2032723	NC_021163.1	Ca_kabuli_chr04	2032723	CC	AA	1940270697
SNP_P1_51938_2032773	NC_021163.1	Ca_kabuli_chr04	2032773	AA	TT	1940270698
SNP_P1_51939_2032846	NC_021163.1	Ca_kabuli_chr04	2032846	AA	GG	1940270700
SNP_P1_51940_2032858	NC_021163.1	Ca_kabuli_chr04	2032858	AA	GG	1940270701
SNP_P1_51941_2032866	NC_021163.1	Ca_kabuli_chr04	2032866	GG	CC	1940270703

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51943_2034028	NC_021163.1	Ca_kabuli_chr04	2034028	TT	CC	1940270706
SNP_P1_51944_2034030	NC_021163.1	Ca_kabuli_chr04	2034030	GG	TT	1940270708
SNP_P1_51945_2034036	NC_021163.1	Ca_kabuli_chr04	2034036	TT	AA	1940270709
SNP_P1_51946_2034107	NC_021163.1	Ca_kabuli_chr04	2034107	GG	TT	1940270711
SNP_P1_51947_2034132	NC_021163.1	Ca_kabuli_chr04	2034132	GG	AA	1940270713
SNP_P1_51948_2034149	NC_021163.1	Ca_kabuli_chr04	2034149	TT	CC	1940270715
SNP_P1_51949_2034152	NC_021163.1	Ca_kabuli_chr04	2034152	TT	CC	1940270717
SNP_P1_51950_2034169	NC_021163.1	Ca_kabuli_chr04	2034169	TT	CC	1940270719
SNP_P1_51951_2034182	NC_021163.1	Ca_kabuli_chr04	2034182	CC	AA	1940270721
SNP_P1_51952_2034186	NC_021163.1	Ca_kabuli_chr04	2034186	CC	GG	1940270723
SNP_P1_51953_2034212	NC_021163.1	Ca_kabuli_chr04	2034212	GG	CC	1940270724
SNP_P1_51954_2034216	NC_021163.1	Ca_kabuli_chr04	2034216	CC	TT	1940270726
SNP_P1_51955_2034224	NC_021163.1	Ca_kabuli_chr04	2034224	GG	AA	1940270728
SNP_P1_51956_2034266	NC_021163.1	Ca_kabuli_chr04	2034266	CC	TT	1940270729
SNP_P1_51957_2034304	NC_021163.1	Ca_kabuli_chr04	2034304	GG	AA	1940270731
SNP_P1_51958_2034340	NC_021163.1	Ca_kabuli_chr04	2034340	AA	CC	1940270733
SNP_P1_51959_2034385	NC_021163.1	Ca_kabuli_chr04	2034385	CC	AA	1940270734
SNP_P1_51960_2034396	NC_021163.1	Ca_kabuli_chr04	2034396	GG	AA	1940270736
SNP_P1_51961_2034398	NC_021163.1	Ca_kabuli_chr04	2034398	TT	CC	1940270738
SNP_P1_51963_2034505	NC_021163.1	Ca_kabuli_chr04	2034505	GG	AA	1940270739
SNP_P1_51964_2034547	NC_021163.1	Ca_kabuli_chr04	2034547	GG	AA	1940270741
SNP_P1_51965_2034548	NC_021163.1	Ca_kabuli_chr04	2034548	TT	CC	1940270743
SNP_P1_51966_2034556	NC_021163.1	Ca_kabuli_chr04	2034556	GG	AA	1940270745
SNP_P1_51968_2034717	NC_021163.1	Ca_kabuli_chr04	2034717	GG	CC	1940270746
SNP_P1_51969_2034721	NC_021163.1	Ca_kabuli_chr04	2034721	GG	AA	1940270748
SNP_P1_51970_2034756	NC_021163.1	Ca_kabuli_chr04	2034756	AA	GG	1940270750
SNP_P1_51971_2034757	NC_021163.1	Ca_kabuli_chr04	2034757	AA	CC	1940270751
SNP_P1_51972_2034768	NC_021163.1	Ca_kabuli_chr04	2034768	GG	AA	1940270753
SNP_P1_51973_2034835	NC_021163.1	Ca_kabuli_chr04	2034835	GG	CC	1940270754
SNP_P1_51974_2034850	NC_021163.1	Ca_kabuli_chr04	2034850	TT	CC	1940270756
SNP_P1_51975_2034894	NC_021163.1	Ca_kabuli_chr04	2034894	TT	CC	1940270757
SNP_P1_51976_2034900	NC_021163.1	Ca_kabuli_chr04	2034900	AA	TT	1940270759
SNP_P1_51977_2034952	NC_021163.1	Ca_kabuli_chr04	2034952	AA	GG	1940270760
SNP_P1_51978_2034974	NC_021163.1	Ca_kabuli_chr04	2034974	GG	TT	1940270762
SNP_P1_51979_2035015	NC_021163.1	Ca_kabuli_chr04	2035015	GG	TT	1940270763
SNP_P1_51980_2035016	NC_021163.1	Ca_kabuli_chr04	2035016	TT	AA	1940270765
SNP_P1_51981_2035035	NC_021163.1	Ca_kabuli_chr04	2035035	GG	CC	1940270767
SNP_P1_51982_2035047	NC_021163.1	Ca_kabuli_chr04	2035047	AA	TT	1940270768
SNP_P1_51983_2035090	NC_021163.1	Ca_kabuli_chr04	2035090	TT	CC	1940270770
SNP_P1_51984_2035166	NC_021163.1	Ca_kabuli_chr04	2035166	AA	GG	1940270771
SNP_P1_51985_2035174	NC_021163.1	Ca_kabuli_chr04	2035174	CC	TT	1940270773

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_51987_2035188	NC_021163.1	Ca_kabuli_chr04	2035188	GG	AA	1940270776
SNP_P1_51988_2035191	NC_021163.1	Ca_kabuli_chr04	2035191	AA	CC	1940270778
SNP_P1_51989_2035192	NC_021163.1	Ca_kabuli_chr04	2035192	CC	AA	1940270779
SNP_P1_51991_2035329	NC_021163.1	Ca_kabuli_chr04	2035329	AA	CC	1940270781
SNP_P1_51992_2035330	NC_021163.1	Ca_kabuli_chr04	2035330	GG	CC	1940270782
SNP_P1_51993_2035400	NC_021163.1	Ca_kabuli_chr04	2035400	AA	GG	1940270784
SNP_P1_51994_2035405	NC_021163.1	Ca_kabuli_chr04	2035405	GG	AA	1940270785
SNP_P1_51995_2035415	NC_021163.1	Ca_kabuli_chr04	2035415	CC	TT	1940270787
SNP_P1_51996_2035525	NC_021163.1	Ca_kabuli_chr04	2035525	AA	GG	1940270789
SNP_P1_51997_2035526	NC_021163.1	Ca_kabuli_chr04	2035526	GG	AA	1940270790
SNP_P1_51998_2035530	NC_021163.1	Ca_kabuli_chr04	2035530	CC	TT	1940270792
SNP_P1_51999_2035543	NC_021163.1	Ca_kabuli_chr04	2035543	GG	TT	1940270793
SNP_P1_52000_2035561	NC_021163.1	Ca_kabuli_chr04	2035561	TT	GG	1940270795
SNP_P1_52001_2035584	NC_021163.1	Ca_kabuli_chr04	2035584	GG	AA	1940270796
SNP_P1_52002_2035678	NC_021163.1	Ca_kabuli_chr04	2035678	TT	CC	1940270798
SNP_P1_52003_2035692	NC_021163.1	Ca_kabuli_chr04	2035692	AA	CC	1940270800
SNP_P1_52005_2035720	NC_021163.1	Ca_kabuli_chr04	2035720	TT	CC	1940270801
SNP_P1_52006_2035757	NC_021163.1	Ca_kabuli_chr04	2035757	CC	TT	1940270803
SNP_P1_52008_2035841	NC_021163.1	Ca_kabuli_chr04	2035841	TT	CC	1940270804
SNP_P1_52009_2035894	NC_021163.1	Ca_kabuli_chr04	2035894	AA	CC	1940270806
SNP_P1_52010_2035921	NC_021163.1	Ca_kabuli_chr04	2035921	AA	TT	1940270807
SNP_P1_52011_2035923	NC_021163.1	Ca_kabuli_chr04	2035923	GG	AA	1940270809
SNP_P1_52012_2035930	NC_021163.1	Ca_kabuli_chr04	2035930	AA	TT	1940270811
SNP_P1_52013_2035955	NC_021163.1	Ca_kabuli_chr04	2035955	CC	AA	1940270812
SNP_P1_52014_2035979	NC_021163.1	Ca_kabuli_chr04	2035979	GG	AA	1940270814
SNP_P1_52015_2036101	NC_021163.1	Ca_kabuli_chr04	2036101	TT	AA	1940270815
SNP_P1_52016_2036112	NC_021163.1	Ca_kabuli_chr04	2036112	AA	CC	1940270817
SNP_P1_52017_2036118	NC_021163.1	Ca_kabuli_chr04	2036118	TT	AA	1940270819
SNP_P1_52018_2036125	NC_021163.1	Ca_kabuli_chr04	2036125	AA	TT	1940270820
SNP_P1_52019_2050327	NC_021163.1	Ca_kabuli_chr04	2050327	TT	CC	1940270822
SNP_P1_52021_2053219	NC_021163.1	Ca_kabuli_chr04	2053219	GG	AA	1940270823
SNP_P1_52022_2054649	NC_021163.1	Ca_kabuli_chr04	2054649	TT	GG	1940270825
SNP_P1_52023_2054650	NC_021163.1	Ca_kabuli_chr04	2054650	TT	GG	1940270826
SNP_P1_52024_2079975	NC_021163.1	Ca_kabuli_chr04	2079975	AA	GG	1940270828
SNP_P1_52025_2080262	NC_021163.1	Ca_kabuli_chr04	2080262	GG	TT	1940270830
SNP_P1_52026_2097121	NC_021163.1	Ca_kabuli_chr04	2097121	AA	GG	1940270831
SNP_P1_52028_2104607	NC_021163.1	Ca_kabuli_chr04	2104607	AA	CC	1940270833
SNP_P1_52029_2110908	NC_021163.1	Ca_kabuli_chr04	2110908	CC	TT	1940270834
SNP_P1_52031_2122788	NC_021163.1	Ca_kabuli_chr04	2122788	TT	CC	1940270836
SNP_P1_52032_2129421	NC_021163.1	Ca_kabuli_chr04	2129421	GG	AA	1940270837
SNP_P1_52035_2140662	NC_021163.1	Ca_kabuli_chr04	2140662	CC	TT	1940270839

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52038_2185341	NC_021163.1	Ca_kabuli_chr04	2185341	CC	TT	1940270842
SNP_P1_52039_2200670	NC_021163.1	Ca_kabuli_chr04	2200670	CC	AA	1940270844
SNP_P1_52040_2201726	NC_021163.1	Ca_kabuli_chr04	2201726	AA	GG	1940270845
SNP_P1_52041_2208611	NC_021163.1	Ca_kabuli_chr04	2208611	AA	TT	1940270847
SNP_P1_52042_2208617	NC_021163.1	Ca_kabuli_chr04	2208617	AA	TT	1940270848
SNP_P1_52043_2208625	NC_021163.1	Ca_kabuli_chr04	2208625	AA	GG	1940270850
SNP_P1_52044_2211561	NC_021163.1	Ca_kabuli_chr04	2211561	TT	CC	1940270852
SNP_P1_52045_2227708	NC_021163.1	Ca_kabuli_chr04	2227708	GG	TT	1940270853
SNP_P1_52046_2233917	NC_021163.1	Ca_kabuli_chr04	2233917	CC	GG	1940270855
SNP_P1_52047_2273772	NC_021163.1	Ca_kabuli_chr04	2273772	TT	GG	1940270856
SNP_P1_52048_2274276	NC_021163.1	Ca_kabuli_chr04	2274276	TT	GG	1940270858
SNP_P1_52049_2285115	NC_021163.1	Ca_kabuli_chr04	2285115	GG	AA	1940270860
SNP_P1_52050_2298239	NC_021163.1	Ca_kabuli_chr04	2298239	TT	CC	1940270861
SNP_P1_52051_2302014	NC_021163.1	Ca_kabuli_chr04	2302014	AA	GG	1940270863
SNP_P1_52052_2323431	NC_021163.1	Ca_kabuli_chr04	2323431	TT	CC	1940270864
SNP_P1_52054_2366921	NC_021163.1	Ca_kabuli_chr04	2366921	CC	TT	1940270866
SNP_P1_52055_2380324	NC_021163.1	Ca_kabuli_chr04	2380324	AA	GG	1940270867
SNP_P1_52056_2380341	NC_021163.1	Ca_kabuli_chr04	2380341	AA	GG	1940270869
SNP_P1_52058_2388809	NC_021163.1	Ca_kabuli_chr04	2388809	TT	AA	1940270871
SNP_P1_52060_2459531	NC_021163.1	Ca_kabuli_chr04	2459531	CC	TT	1940270872
SNP_P1_52061_2459637	NC_021163.1	Ca_kabuli_chr04	2459637	TT	AA	1940270874
SNP_P1_52063_2468332	NC_021163.1	Ca_kabuli_chr04	2468332	TT	CC	1940270875
SNP_P1_52064_2469045	NC_021163.1	Ca_kabuli_chr04	2469045	AA	TT	1940270877
SNP_P1_52065_2471868	NC_021163.1	Ca_kabuli_chr04	2471868	TT	CC	1940270878
SNP_P1_52066_2471886	NC_021163.1	Ca_kabuli_chr04	2471886	TT	CC	1940270880
SNP_P1_52067_2472815	NC_021163.1	Ca_kabuli_chr04	2472815	GG	AA	1940270882
SNP_P1_52069_2487345	NC_021163.1	Ca_kabuli_chr04	2487345	CC	TT	1940270883
SNP_P1_52071_2504061	NC_021163.1	Ca_kabuli_chr04	2504061	AA	GG	1940270885
SNP_P1_52072_2504290	NC_021163.1	Ca_kabuli_chr04	2504290	AA	GG	1940270886
SNP_P1_52073_2536320	NC_021163.1	Ca_kabuli_chr04	2536320	CC	TT	1940270888
SNP_P1_52075_2556907	NC_021163.1	Ca_kabuli_chr04	2556907	CC	AA	1940270889
SNP_P1_52076_2556914	NC_021163.1	Ca_kabuli_chr04	2556914	TT	CC	1940270891
SNP_P1_52077_2556922	NC_021163.1	Ca_kabuli_chr04	2556922	CC	TT	1940270893
SNP_P1_52078_2556928	NC_021163.1	Ca_kabuli_chr04	2556928	AA	TT	1940270894
SNP_P1_52079_2556982	NC_021163.1	Ca_kabuli_chr04	2556982	GG	AA	1940270896
SNP_P1_52080_2559885	NC_021163.1	Ca_kabuli_chr04	2559885	CC	TT	1940270897
SNP_P1_52081_2565162	NC_021163.1	Ca_kabuli_chr04	2565162	GG	AA	1940270899
SNP_P1_52082_2568526	NC_021163.1	Ca_kabuli_chr04	2568526	AA	GG	1940270900
SNP_P1_52083_2569135	NC_021163.1	Ca_kabuli_chr04	2569135	TT	GG	1940270902
SNP_P1_52085_2590773	NC_021163.1	Ca_kabuli_chr04	2590773	TT	GG	1940270904
SNP_P1_52086_2608849	NC_021163.1	Ca_kabuli_chr04	2608849	TT	GG	1940270905

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52091_2684835	NC_021163.1	Ca_kabuli_chr04	2684835	TT	CC	1940270910
SNP_P1_52092_2687805	NC_021163.1	Ca_kabuli_chr04	2687805	TT	CC	1940270912
SNP_P1_52093_2687830	NC_021163.1	Ca_kabuli_chr04	2687830	CC	AA	1940270914
SNP_P1_52094_2687833	NC_021163.1	Ca_kabuli_chr04	2687833	CC	TT	1940270916
SNP_P1_52095_2687869	NC_021163.1	Ca_kabuli_chr04	2687869	CC	TT	1940270917
SNP_P1_52096_2687996	NC_021163.1	Ca_kabuli_chr04	2687996	TT	AA	1940270919
SNP_P1_52097_2688002	NC_021163.1	Ca_kabuli_chr04	2688002	CC	TT	1940270921
SNP_P1_52098_2688046	NC_021163.1	Ca_kabuli_chr04	2688046	TT	CC	1940270923
SNP_P1_52099_2688220	NC_021163.1	Ca_kabuli_chr04	2688220	GG	AA	1940270924
SNP_P1_52100_2688270	NC_021163.1	Ca_kabuli_chr04	2688270	AA	GG	1940270926
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SNP_P1_52103_2703349	NC_021163.1	Ca_kabuli_chr04	2703349	TT	CC	1940270930
SNP_P1_52104_2719434	NC_021163.1	Ca_kabuli_chr04	2719434	AA	TT	1940270931
SNP_P1_52105_2719435	NC_021163.1	Ca_kabuli_chr04	2719435	CC	GG	1940270933
SNP_P1_52107_2741282	NC_021163.1	Ca_kabuli_chr04	2741282	TT	CC	1940270935
SNP_P1_52108_2743187	NC_021163.1	Ca_kabuli_chr04	2743187	AA	TT	1940270937
SNP_P1_52110_2757348	NC_021163.1	Ca_kabuli_chr04	2757348	TT	CC	1940270938
SNP_P1_52111_2782834	NC_021163.1	Ca_kabuli_chr04	2782834	GG	AA	1940270940
SNP_P1_52114_2793047	NC_021163.1	Ca_kabuli_chr04	2793047	TT	CC	1940270942
SNP_P1_52115_2819113	NC_021163.1	Ca_kabuli_chr04	2819113	GG	TT	1940270943
SNP_P1_52117_2821039	NC_021163.1	Ca_kabuli_chr04	2821039	GG	AA	1940270945
SNP_P1_52119_2849106	NC_021163.1	Ca_kabuli_chr04	2849106	CC	TT	1940270947
SNP_P1_52120_2854458	NC_021163.1	Ca_kabuli_chr04	2854458	CC	TT	1940270949
SNP_P1_52121_2863930	NC_021163.1	Ca_kabuli_chr04	2863930	GG	AA	1940270950
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SNP_P1_52123_2881778	NC_021163.1	Ca_kabuli_chr04	2881778	AA	TT	1940270954
SNP_P1_52124_2883636	NC_021163.1	Ca_kabuli_chr04	2883636	CC	GG	1940270955
SNP_P1_52125_2883725	NC_021163.1	Ca_kabuli_chr04	2883725	CC	AA	1940270957
SNP_P1_52126_2883731	NC_021163.1	Ca_kabuli_chr04	2883731	CC	TT	1940270959
SNP_P1_52127_2884267	NC_021163.1	Ca_kabuli_chr04	2884267	AA	GG	1940270960
SNP_P1_52129_2888945	NC_021163.1	Ca_kabuli_chr04	2888945	TT	AA	1940270962
SNP_P1_52130_2888980	NC_021163.1	Ca_kabuli_chr04	2888980	AA	TT	1940270964
SNP_P1_52131_2889626	NC_021163.1	Ca_kabuli_chr04	2889626	GG	CC	1940270965
SNP_P1_52133_2890847	NC_021163.1	Ca_kabuli_chr04	2890847	AA	GG	1940270967
SNP_P1_52135_2893299	NC_021163.1	Ca_kabuli_chr04	2893299	TT	GG	1940270969
SNP_P1_52136_2894167	NC_021163.1	Ca_kabuli_chr04	2894167	CC	TT	1940270971
SNP_P1_52137_2894168	NC_021163.1	Ca_kabuli_chr04	2894168	TT	CC	1940270972
SNP_P1_52138_2894587	NC_021163.1	Ca_kabuli_chr04	2894587	AA	TT	1940270974
SNP_P1_52139_2894655	NC_021163.1	Ca_kabuli_chr04	2894655	AA	GG	1940270976
SNP_P1_52141_2895392	NC_021163.1	Ca_kabuli_chr04	2895392	CC	TT	1940270977

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52144_2903531	NC_021163.1	Ca_kabuli_chr04	2903531	AA	CC	1940270981
SNP_P1_52145_2909555	NC_021163.1	Ca_kabuli_chr04	2909555	TT	GG	1940270982
SNP_P1_52146_2912519	NC_021163.1	Ca_kabuli_chr04	2912519	GG	AA	1940270984
SNP_P1_52147_2912533	NC_021163.1	Ca_kabuli_chr04	2912533	GG	CC	1940270986
SNP_P1_52148_2916073	NC_021163.1	Ca_kabuli_chr04	2916073	GG	AA	1940270987
SNP_P1_52149_2916124	NC_021163.1	Ca_kabuli_chr04	2916124	GG	AA	1940270989
SNP_P1_52150_2916138	NC_021163.1	Ca_kabuli_chr04	2916138	AA	GG	1940270991
SNP_P1_52151_2916478	NC_021163.1	Ca_kabuli_chr04	2916478	CC	GG	1940270992
SNP_P1_52152_2916537	NC_021163.1	Ca_kabuli_chr04	2916537	CC	TT	1940270994
SNP_P1_52153_2917449	NC_021163.1	Ca_kabuli_chr04	2917449	GG	AA	1940270996
SNP_P1_52155_2919771	NC_021163.1	Ca_kabuli_chr04	2919771	AA	TT	1940270998
SNP_P1_52156_2920096	NC_021163.1	Ca_kabuli_chr04	2920096	TT	CC	1940270999
SNP_P1_52157_2920119	NC_021163.1	Ca_kabuli_chr04	2920119	AA	CC	1940271001
SNP_P1_52158_2920944	NC_021163.1	Ca_kabuli_chr04	2920944	TT	GG	1940271002
SNP_P1_52159_2924620	NC_021163.1	Ca_kabuli_chr04	2924620	AA	CC	1940271004
SNP_P1_52160_2924623	NC_021163.1	Ca_kabuli_chr04	2924623	AA	CC	1940271006
SNP_P1_52161_2924668	NC_021163.1	Ca_kabuli_chr04	2924668	TT	CC	1940271007
SNP_P1_52162_2927813	NC_021163.1	Ca_kabuli_chr04	2927813	AA	GG	1940271009
SNP_P1_52164_2934682	NC_021163.1	Ca_kabuli_chr04	2934682	GG	AA	1940271011
SNP_P1_52165_2937378	NC_021163.1	Ca_kabuli_chr04	2937378	TT	AA	1940271013
SNP_P1_52166_2937766	NC_021163.1	Ca_kabuli_chr04	2937766	AA	TT	1940271014
SNP_P1_52167_2958709	NC_021163.1	Ca_kabuli_chr04	2958709	CC	TT	1940271016
SNP_P1_52168_2960123	NC_021163.1	Ca_kabuli_chr04	2960123	GG	AA	1940271018
SNP_P1_52169_2960138	NC_021163.1	Ca_kabuli_chr04	2960138	CC	TT	1940271019
SNP_P1_52170_2969182	NC_021163.1	Ca_kabuli_chr04	2969182	AA	GG	1940271021
SNP_P1_52171_2970302	NC_021163.1	Ca_kabuli_chr04	2970302	GG	AA	1940271023
SNP_P1_52172_2973659	NC_021163.1	Ca_kabuli_chr04	2973659	AA	GG	1940271024
SNP_P1_52173_2986395	NC_021163.1	Ca_kabuli_chr04	2986395	TT	GG	1940271026
SNP_P1_52174_2986400	NC_021163.1	Ca_kabuli_chr04	2986400	AA	GG	1940271028
SNP_P1_52175_2988554	NC_021163.1	Ca_kabuli_chr04	2988554	AA	TT	1940271029
SNP_P1_52177_2999510	NC_021163.1	Ca_kabuli_chr04	2999510	CC	TT	1940271031
SNP_P1_52179_3029425	NC_021163.1	Ca_kabuli_chr04	3029425	GG	AA	1940271033
SNP_P1_52180_3037154	NC_021163.1	Ca_kabuli_chr04	3037154	CC	AA	1940271034
SNP_P1_52181_3039065	NC_021163.1	Ca_kabuli_chr04	3039065	AA	GG	1940271036
SNP_P1_52182_3041885	NC_021163.1	Ca_kabuli_chr04	3041885	TT	CC	1940271037
SNP_P1_52183_3049703	NC_021163.1	Ca_kabuli_chr04	3049703	CC	TT	1940271039
SNP_P1_52184_3051424	NC_021163.1	Ca_kabuli_chr04	3051424	CC	TT	1940271041
SNP_P1_52185_3053307	NC_021163.1	Ca_kabuli_chr04	3053307	CC	TT	1940271043
SNP_P1_52186_3054416	NC_021163.1	Ca_kabuli_chr04	3054416	GG	AA	1940271044
SNP_P1_52187_3057882	NC_021163.1	Ca_kabuli_chr04	3057882	CC	GG	1940271046
SNP_P1_52193_3086805	NC_021163.1	Ca_kabuli_chr04	3086805	AA	GG	1940271048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52196_3121439	NC_021163.1	Ca_kabuli_chr04	3121439	AA	CC	1940271051
SNP_P1_52198_3122069	NC_021163.1	Ca_kabuli_chr04	3122069	AA	TT	1940271052
SNP_P1_52199_3122073	NC_021163.1	Ca_kabuli_chr04	3122073	TT	AA	1940271054
SNP_P1_52200_3136811	NC_021163.1	Ca_kabuli_chr04	3136811	CC	TT	1940271055
SNP_P1_52201_3159935	NC_021163.1	Ca_kabuli_chr04	3159935	AA	TT	1940271057
SNP_P1_52202_3232864	NC_021163.1	Ca_kabuli_chr04	3232864	AA	TT	1940271058
SNP_P1_52203_3239502	NC_021163.1	Ca_kabuli_chr04	3239502	TT	AA	1940271060
SNP_P1_52204_3239505	NC_021163.1	Ca_kabuli_chr04	3239505	TT	AA	1940271061
SNP_P1_52207_3266921	NC_021163.1	Ca_kabuli_chr04	3266921	AA	GG	1940271063
SNP_P1_52208_3309238	NC_021163.1	Ca_kabuli_chr04	3309238	CC	TT	1940271064
SNP_P1_52210_3355854	NC_021163.1	Ca_kabuli_chr04	3355854	AA	GG	1940271066
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SNP_P1_52212_3355909	NC_021163.1	Ca_kabuli_chr04	3355909	GG	CC	1940271069
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SNP_P1_52215_3392394	NC_021163.1	Ca_kabuli_chr04	3392394	TT	AA	1940271072
SNP_P1_52216_3445092	NC_021163.1	Ca_kabuli_chr04	3445092	TT	GG	1940271074
SNP_P1_52217_3445094	NC_021163.1	Ca_kabuli_chr04	3445094	AA	GG	1940271076
SNP_P1_52218_3445972	NC_021163.1	Ca_kabuli_chr04	3445972	AA	GG	1940271078
SNP_P1_52219_3481481	NC_021163.1	Ca_kabuli_chr04	3481481	CC	GG	1940271080
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SNP_P1_52223_3556246	NC_021163.1	Ca_kabuli_chr04	3556246	TT	CC	1940271085
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SNP_P1_52228_3629456	NC_021163.1	Ca_kabuli_chr04	3629456	AA	GG	1940271093
SNP_P1_52229_3629483	NC_021163.1	Ca_kabuli_chr04	3629483	GG	AA	1940271095
SNP_P1_52230_3633803	NC_021163.1	Ca_kabuli_chr04	3633803	GG	AA	1940271096
SNP_P1_52231_3633805	NC_021163.1	Ca_kabuli_chr04	3633805	AA	GG	1940271098
SNP_P1_52232_3723845	NC_021163.1	Ca_kabuli_chr04	3723845	TT	CC	1940271099
SNP_P1_52233_3782695	NC_021163.1	Ca_kabuli_chr04	3782695	TT	AA	1940271101
SNP_P1_52234_3791327	NC_021163.1	Ca_kabuli_chr04	3791327	CC	TT	1940271103
SNP_P1_52235_3791339	NC_021163.1	Ca_kabuli_chr04	3791339	TT	AA	1940271105
SNP_P1_52236_3791341	NC_021163.1	Ca_kabuli_chr04	3791341	CC	TT	1940271107
SNP_P1_52237_3791344	NC_021163.1	Ca_kabuli_chr04	3791344	TT	CC	1940271109
SNP_P1_52238_3791346	NC_021163.1	Ca_kabuli_chr04	3791346	TT	CC	1940271111
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SNP_P1_52241_3832914	NC_021163.1	Ca_kabuli_chr04	3832914	TT	AA	1940271114
SNP_P1_52242_3832988	NC_021163.1	Ca_kabuli_chr04	3832988	TT	AA	1940271116
SNP_P1_52243_3833261	NC_021163.1	Ca_kabuli_chr04	3833261	AA	TT	1940271118

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52245_3833283	NC_021163.1	Ca_kabuli_chr04	3833283	CC	TT	1940271121
SNP_P1_52246_3833365	NC_021163.1	Ca_kabuli_chr04	3833365	TT	CC	1940271123
SNP_P1_52247_3833637	NC_021163.1	Ca_kabuli_chr04	3833637	AA	GG	1940271124
SNP_P1_52248_3833774	NC_021163.1	Ca_kabuli_chr04	3833774	GG	AA	1940271126
SNP_P1_52249_3833809	NC_021163.1	Ca_kabuli_chr04	3833809	CC	TT	1940271127
SNP_P1_52250_3833885	NC_021163.1	Ca_kabuli_chr04	3833885	AA	TT	1940271129
SNP_P1_52251_3840394	NC_021163.1	Ca_kabuli_chr04	3840394	TT	GG	1940271131
SNP_P1_52252_3847522	NC_021163.1	Ca_kabuli_chr04	3847522	GG	AA	1940271132
SNP_P1_52253_3868479	NC_021163.1	Ca_kabuli_chr04	3868479	GG	AA	1940271134
SNP_P1_52254_3869621	NC_021163.1	Ca_kabuli_chr04	3869621	AA	CC	1940271136
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SNP_P1_52262_3872378	NC_021163.1	Ca_kabuli_chr04	3872378	GG	AA	1940271147
SNP_P1_52263_3872555	NC_021163.1	Ca_kabuli_chr04	3872555	TT	CC	1940271149
SNP_P1_52264_3872571	NC_021163.1	Ca_kabuli_chr04	3872571	TT	AA	1940271150
SNP_P1_52265_3872654	NC_021163.1	Ca_kabuli_chr04	3872654	TT	CC	1940271152
SNP_P1_52266_3873484	NC_021163.1	Ca_kabuli_chr04	3873484	TT	AA	1940271154
SNP_P1_52268_3924482	NC_021163.1	Ca_kabuli_chr04	3924482	GG	CC	1940271155
SNP_P1_52269_3929740	NC_021163.1	Ca_kabuli_chr04	3929740	CC	TT	1940271157
SNP_P1_52270_3934926	NC_021163.1	Ca_kabuli_chr04	3934926	AA	GG	1940271159
SNP_P1_52272_3951384	NC_021163.1	Ca_kabuli_chr04	3951384	GG	AA	1940271160
SNP_P1_52275_3989016	NC_021163.1	Ca_kabuli_chr04	3989016	GG	AA	1940271162
SNP_P1_52277_4024669	NC_021163.1	Ca_kabuli_chr04	4024669	TT	AA	1940271164
SNP_P1_52279_4029075	NC_021163.1	Ca_kabuli_chr04	4029075	GG	TT	1940271165
SNP_P1_52280_4029132	NC_021163.1	Ca_kabuli_chr04	4029132	AA	TT	1940271167
SNP_P1_52281_4029139	NC_021163.1	Ca_kabuli_chr04	4029139	AA	TT	1940271169
SNP_P1_52282_4029140	NC_021163.1	Ca_kabuli_chr04	4029140	AA	CC	1940271171
SNP_P1_52283_4029172	NC_021163.1	Ca_kabuli_chr04	4029172	GG	CC	1940271172
SNP_P1_52285_4029267	NC_021163.1	Ca_kabuli_chr04	4029267	CC	AA	1940271174
SNP_P1_52286_4030255	NC_021163.1	Ca_kabuli_chr04	4030255	AA	TT	1940271176
SNP_P1_52287_4030260	NC_021163.1	Ca_kabuli_chr04	4030260	TT	AA	1940271177
SNP_P1_52288_4030271	NC_021163.1	Ca_kabuli_chr04	4030271	CC	GG	1940271179
SNP_P1_52289_4030384	NC_021163.1	Ca_kabuli_chr04	4030384	GG	AA	1940271181
SNP_P1_52290_4030654	NC_021163.1	Ca_kabuli_chr04	4030654	AA	CC	1940271183
SNP_P1_52291_4030660	NC_021163.1	Ca_kabuli_chr04	4030660	TT	AA	1940271184
SNP_P1_52292_4030730	NC_021163.1	Ca_kabuli_chr04	4030730	GG	AA	1940271186
SNP_P1_52293_4030761	NC_021163.1	Ca_kabuli_chr04	4030761	GG	AA	1940271188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_52294_4030766	NC_021163.1	Ca_kabuli_chr04	4030766	AA	TT	1940271189
SNP_P1_52295_4030810	NC_021163.1	Ca_kabuli_chr04	4030810	GG	AA	1940271191
SNP_P1_52297_4030890	NC_021163.1	Ca_kabuli_chr04	4030890	AA	GG	1940271193
SNP_P1_52298_4030910	NC_021163.1	Ca_kabuli_chr04	4030910	CC	TT	1940271194
SNP_P1_52299_4030921	NC_021163.1	Ca_kabuli_chr04	4030921	CC	TT	1940271196
SNP_P1_52300_4030940	NC_021163.1	Ca_kabuli_chr04	4030940	TT	AA	1940271198
SNP_P1_52301_4030943	NC_021163.1	Ca_kabuli_chr04	4030943	TT	AA	1940271199
SNP_P1_52302_4030951	NC_021163.1	Ca_kabuli_chr04	4030951	GG	AA	1940271201
SNP_P1_52303_4031290	NC_021163.1	Ca_kabuli_chr04	4031290	AA	GG	1940271203
SNP_P1_52304_4031549	NC_021163.1	Ca_kabuli_chr04	4031549	AA	GG	1940271204
SNP_P1_52305_4031551	NC_021163.1	Ca_kabuli_chr04	4031551	AA	CC	1940271206
SNP_P1_52307_4031973	NC_021163.1	Ca_kabuli_chr04	4031973	TT	CC	1940271208
SNP_P1_52308_4031999	NC_021163.1	Ca_kabuli_chr04	4031999	CC	TT	1940271209
SNP_P1_52309_4032004	NC_021163.1	Ca_kabuli_chr04	4032004	TT	AA	1940271211
SNP_P1_52311_4032183	NC_021163.1	Ca_kabuli_chr04	4032183	GG	AA	1940271213
SNP_P1_52312_4032195	NC_021163.1	Ca_kabuli_chr04	4032195	CC	GG	1940271214
SNP_P1_52313_4032200	NC_021163.1	Ca_kabuli_chr04	4032200	AA	GG	1940271216
SNP_P1_52314_4032379	NC_021163.1	Ca_kabuli_chr04	4032379	AA	CC	1940271218
SNP_P1_52317_4033074	NC_021163.1	Ca_kabuli_chr04	4033074	CC	GG	1940271219
SNP_P1_52318_4033589	NC_021163.1	Ca_kabuli_chr04	4033589	CC	AA	1940271221
SNP_P1_52319_4033806	NC_021163.1	Ca_kabuli_chr04	4033806	CC	TT	1940271223
SNP_P1_52320_4033826	NC_021163.1	Ca_kabuli_chr04	4033826	AA	GG	1940271225
SNP_P1_52321_4033878	NC_021163.1	Ca_kabuli_chr04	4033878	GG	AA	1940271226
SNP_P1_52322_4033900	NC_021163.1	Ca_kabuli_chr04	4033900	TT	CC	1940271228
SNP_P1_52323_4033905	NC_021163.1	Ca_kabuli_chr04	4033905	AA	GG	1940271230
SNP_P1_52324_4034085	NC_021163.1	Ca_kabuli_chr04	4034085	AA	GG	1940271231
SNP_P1_52325_4034211	NC_021163.1	Ca_kabuli_chr04	4034211	GG	TT	1940271233
SNP_P1_52326_4034212	NC_021163.1	Ca_kabuli_chr04	4034212	CC	GG	1940271234
SNP_P1_52327_4034213	NC_021163.1	Ca_kabuli_chr04	4034213	GG	AA	1940271236
SNP_P1_52328_4036308	NC_021163.1	Ca_kabuli_chr04	4036308	AA	GG	1940271238
SNP_P1_52329_4036773	NC_021163.1	Ca_kabuli_chr04	4036773	GG	AA	1940271239
SNP_P1_52331_4037351	NC_021163.1	Ca_kabuli_chr04	4037351	AA	TT	1940271241
SNP_P1_52332_4037355	NC_021163.1	Ca_kabuli_chr04	4037355	GG	CC	1940271243
SNP_P1_52334_4037712	NC_021163.1	Ca_kabuli_chr04	4037712	CC	TT	1940271244
SNP_P1_52335_4037718	NC_021163.1	Ca_kabuli_chr04	4037718	TT	CC	1940271246
SNP_P1_52336_4037755	NC_021163.1	Ca_kabuli_chr04	4037755	TT	AA	1940271248
SNP_P1_52337_4037761	NC_021163.1	Ca_kabuli_chr04	4037761	CC	TT	1940271249
SNP_P1_52338_4037773	NC_021163.1	Ca_kabuli_chr04	4037773	TT	CC	1940271251
SNP_P1_52339_4038970	NC_021163.1	Ca_kabuli_chr04	4038970	AA	CC	1940271252
SNP_P1_52341_4039450	NC_021163.1	Ca_kabuli_chr04	4039450	TT	CC	1940271254
SNP_P1_52342_4039492	NC_021163.1	Ca_kabuli_chr04	4039492	CC	TT	1940271256
SNP_P1_52343_4039526	NC_021163.1	Ca_kabuli_chr04	4039526	TT	GG	1940271257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_52344_4039714	NC_021163.1	Ca_kabuli_chr04	4039714	GG	AA	1940271259
SNP_P1_52346_4039816	NC_021163.1	Ca_kabuli_chr04	4039816	CC	TT	1940271261
SNP_P1_52347_4040083	NC_021163.1	Ca_kabuli_chr04	4040083	TT	CC	1940271262
SNP_P1_52348_4040084	NC_021163.1	Ca_kabuli_chr04	4040084	GG	AA	1940271264
SNP_P1_52349_4040101	NC_021163.1	Ca_kabuli_chr04	4040101	CC	TT	1940271266
SNP_P1_52350_4040287	NC_021163.1	Ca_kabuli_chr04	4040287	CC	TT	1940271267
SNP_P1_52351_4040296	NC_021163.1	Ca_kabuli_chr04	4040296	CC	TT	1940271269
SNP_P1_52352_4040326	NC_021163.1	Ca_kabuli_chr04	4040326	CC	TT	1940271271
SNP_P1_52353_4041667	NC_021163.1	Ca_kabuli_chr04	4041667	TT	CC	1940271272
SNP_P1_52354_4041769	NC_021163.1	Ca_kabuli_chr04	4041769	GG	AA	1940271274
SNP_P1_52356_4041847	NC_021163.1	Ca_kabuli_chr04	4041847	TT	AA	1940271276
SNP_P1_52357_4041848	NC_021163.1	Ca_kabuli_chr04	4041848	TT	AA	1940271277
SNP_P1_52358_4041906	NC_021163.1	Ca_kabuli_chr04	4041906	AA	GG	1940271279
SNP_P1_52359_4043451	NC_021163.1	Ca_kabuli_chr04	4043451	GG	AA	1940271280
SNP_P1_52360_4043677	NC_021163.1	Ca_kabuli_chr04	4043677	AA	TT	1940271282
SNP_P1_52361_4043693	NC_021163.1	Ca_kabuli_chr04	4043693	AA	GG	1940271284
SNP_P1_52362_4043733	NC_021163.1	Ca_kabuli_chr04	4043733	AA	GG	1940271285
SNP_P1_52363_4043761	NC_021163.1	Ca_kabuli_chr04	4043761	CC	AA	1940271287
SNP_P1_52364_4043777	NC_021163.1	Ca_kabuli_chr04	4043777	CC	AA	1940271289
SNP_P1_52365_4043822	NC_021163.1	Ca_kabuli_chr04	4043822	TT	AA	1940271290
SNP_P1_52366_4043873	NC_021163.1	Ca_kabuli_chr04	4043873	GG	AA	1940271292
SNP_P1_52367_4043875	NC_021163.1	Ca_kabuli_chr04	4043875	GG	AA	1940271293
SNP_P1_52368_4043884	NC_021163.1	Ca_kabuli_chr04	4043884	GG	AA	1940271295
SNP_P1_52369_4044527	NC_021163.1	Ca_kabuli_chr04	4044527	CC	TT	1940271297
SNP_P1_52370_4044557	NC_021163.1	Ca_kabuli_chr04	4044557	TT	AA	1940271298
SNP_P1_52372_4044712	NC_021163.1	Ca_kabuli_chr04	4044712	TT	CC	1940271300
SNP_P1_52373_4044841	NC_021163.1	Ca_kabuli_chr04	4044841	TT	AA	1940271302
SNP_P1_52374_4044876	NC_021163.1	Ca_kabuli_chr04	4044876	TT	GG	1940271304
SNP_P1_52376_4044999	NC_021163.1	Ca_kabuli_chr04	4044999	AA	CC	1940271305
SNP_P1_52377_4045234	NC_021163.1	Ca_kabuli_chr04	4045234	CC	TT	1940271307
SNP_P1_52378_4045385	NC_021163.1	Ca_kabuli_chr04	4045385	AA	TT	1940271308
SNP_P1_52379_4045451	NC_021163.1	Ca_kabuli_chr04	4045451	TT	CC	1940271310
SNP_P1_52380_4045509	NC_021163.1	Ca_kabuli_chr04	4045509	AA	CC	1940271312
SNP_P1_52381_4045668	NC_021163.1	Ca_kabuli_chr04	4045668	AA	GG	1940271313
SNP_P1_52383_4045765	NC_021163.1	Ca_kabuli_chr04	4045765	AA	GG	1940271315
SNP_P1_52384_4045896	NC_021163.1	Ca_kabuli_chr04	4045896	GG	AA	1940271317
SNP_P1_52386_4046100	NC_021163.1	Ca_kabuli_chr04	4046100	TT	CC	1940271318
SNP_P1_52387_4046126	NC_021163.1	Ca_kabuli_chr04	4046126	GG	CC	1940271320
SNP_P1_52388_4046449	NC_021163.1	Ca_kabuli_chr04	4046449	CC	TT	1940271321
SNP_P1_52389_4046513	NC_021163.1	Ca_kabuli_chr04	4046513	CC	GG	1940271323
SNP_P1_52390_4046547	NC_021163.1	Ca_kabuli_chr04	4046547	CC	GG	1940271325
SNP_P1_52392_4047974	NC_021163.1	Ca_kabuli_chr04	4047974	CC	TT	1940271326

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_52393_4048699	NC_021163.1	Ca_kabuli_chr04	4048699	TT	CC	1940271328
SNP_P1_52394_4048742	NC_021163.1	Ca_kabuli_chr04	4048742	CC	TT	1940271329
SNP_P1_52397_4052326	NC_021163.1	Ca_kabuli_chr04	4052326	TT	CC	1940271331
SNP_P1_52398_4053032	NC_021163.1	Ca_kabuli_chr04	4053032	GG	TT	1940271333
SNP_P1_52399_4053033	NC_021163.1	Ca_kabuli_chr04	4053033	GG	TT	1940271334
SNP_P1_52400_4053035	NC_021163.1	Ca_kabuli_chr04	4053035	CC	GG	1940271336
SNP_P1_52401_4053066	NC_021163.1	Ca_kabuli_chr04	4053066	TT	CC	1940271338
SNP_P1_52402_4053129	NC_021163.1	Ca_kabuli_chr04	4053129	GG	TT	1940271339
SNP_P1_52403_4053870	NC_021163.1	Ca_kabuli_chr04	4053870	GG	AA	1940271341
SNP_P1_52404_4054108	NC_021163.1	Ca_kabuli_chr04	4054108	CC	TT	1940271343
SNP_P1_52405_4054113	NC_021163.1	Ca_kabuli_chr04	4054113	CC	TT	1940271344
SNP_P1_52406_4054870	NC_021163.1	Ca_kabuli_chr04	4054870	TT	CC	1940271346
SNP_P1_52408_4054919	NC_021163.1	Ca_kabuli_chr04	4054919	AA	TT	1940271348
SNP_P1_52409_4055170	NC_021163.1	Ca_kabuli_chr04	4055170	GG	AA	1940271350
SNP_P1_52410_4055202	NC_021163.1	Ca_kabuli_chr04	4055202	GG	AA	1940271351
SNP_P1_52411_4055348	NC_021163.1	Ca_kabuli_chr04	4055348	GG	AA	1940271353
SNP_P1_52412_4055353	NC_021163.1	Ca_kabuli_chr04	4055353	GG	AA	1940271355
SNP_P1_52413_4055455	NC_021163.1	Ca_kabuli_chr04	4055455	GG	AA	1940271356
SNP_P1_52414_4055636	NC_021163.1	Ca_kabuli_chr04	4055636	CC	TT	1940271358
SNP_P1_52415_4055658	NC_021163.1	Ca_kabuli_chr04	4055658	AA	GG	1940271359
SNP_P1_52416_4056250	NC_021163.1	Ca_kabuli_chr04	4056250	CC	TT	1940271360
SNP_P1_52417_4056271	NC_021163.1	Ca_kabuli_chr04	4056271	GG	AA	1940271361
SNP_P1_52418_4056522	NC_021163.1	Ca_kabuli_chr04	4056522	CC	TT	1940271363
SNP_P1_52419_4056932	NC_021163.1	Ca_kabuli_chr04	4056932	AA	GG	1940271365
SNP_P1_52420_4057004	NC_021163.1	Ca_kabuli_chr04	4057004	CC	TT	1940271366
SNP_P1_52421_4057085	NC_021163.1	Ca_kabuli_chr04	4057085	AA	GG	1940271368
SNP_P1_52422_4059054	NC_021163.1	Ca_kabuli_chr04	4059054	GG	CC	1940271370
SNP_P1_52423_4059224	NC_021163.1	Ca_kabuli_chr04	4059224	TT	GG	1940271371
SNP_P1_52424_4059239	NC_021163.1	Ca_kabuli_chr04	4059239	TT	AA	1940271373
SNP_P1_52425_4060556	NC_021163.1	Ca_kabuli_chr04	4060556	TT	AA	1940271374
SNP_P1_52426_4063076	NC_021163.1	Ca_kabuli_chr04	4063076	TT	CC	1940271376
SNP_P1_52427_4063876	NC_021163.1	Ca_kabuli_chr04	4063876	AA	CC	1940271378
SNP_P1_52428_4066907	NC_021163.1	Ca_kabuli_chr04	4066907	AA	TT	1940271379
SNP_P1_52430_4067043	NC_021163.1	Ca_kabuli_chr04	4067043	AA	GG	1940271381
SNP_P1_52431_4067100	NC_021163.1	Ca_kabuli_chr04	4067100	GG	AA	1940271383
SNP_P1_52432_4067382	NC_021163.1	Ca_kabuli_chr04	4067382	CC	TT	1940271384
SNP_P1_52433_4068601	NC_021163.1	Ca_kabuli_chr04	4068601	GG	AA	1940271386
SNP_P1_52434_4068885	NC_021163.1	Ca_kabuli_chr04	4068885	AA	GG	1940271388
SNP_P1_52436_4074403	NC_021163.1	Ca_kabuli_chr04	4074403	AA	GG	1940271389
SNP_P1_52437_4076583	NC_021163.1	Ca_kabuli_chr04	4076583	TT	GG	1940271391
SNP_P1_52438_4076781	NC_021163.1	Ca_kabuli_chr04	4076781	CC	AA	1940271393
SNP_P1_52439_4078477	NC_021163.1	Ca_kabuli_chr04	4078477	TT	GG	1940271394

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_52440_4078479	NC_021163.1	Ca_kabuli_chr04	4078479	CC	TT	1940271396
SNP_P1_52441_4078512	NC_021163.1	Ca_kabuli_chr04	4078512	CC	TT	1940271398
SNP_P1_52443_4078775	NC_021163.1	Ca_kabuli_chr04	4078775	CC	AA	1940271399
SNP_P1_52444_4079929	NC_021163.1	Ca_kabuli_chr04	4079929	TT	CC	1940271401
SNP_P1_52445_4080067	NC_021163.1	Ca_kabuli_chr04	4080067	GG	TT	1940271403
SNP_P1_52446_4080108	NC_021163.1	Ca_kabuli_chr04	4080108	AA	GG	1940271404
SNP_P1_52447_4080120	NC_021163.1	Ca_kabuli_chr04	4080120	TT	GG	1940271406
SNP_P1_52448_4080510	NC_021163.1	Ca_kabuli_chr04	4080510	AA	CC	1940271407
SNP_P1_52449_4080750	NC_021163.1	Ca_kabuli_chr04	4080750	TT	CC	1940271409
SNP_P1_52450_4080869	NC_021163.1	Ca_kabuli_chr04	4080869	TT	GG	1940271411
SNP_P1_52451_4081236	NC_021163.1	Ca_kabuli_chr04	4081236	CC	GG	1940271412
SNP_P1_52452_4081324	NC_021163.1	Ca_kabuli_chr04	4081324	GG	TT	1940271414
SNP_P1_52453_4081536	NC_021163.1	Ca_kabuli_chr04	4081536	TT	CC	1940271416
SNP_P1_52454_4081656	NC_021163.1	Ca_kabuli_chr04	4081656	TT	AA	1940271417
SNP_P1_52455_4082386	NC_021163.1	Ca_kabuli_chr04	4082386	TT	CC	1940271419
SNP_P1_52456_4082402	NC_021163.1	Ca_kabuli_chr04	4082402	CC	TT	1940271420
SNP_P1_52457_4082412	NC_021163.1	Ca_kabuli_chr04	4082412	TT	CC	1940271422
SNP_P1_52458_4082467	NC_021163.1	Ca_kabuli_chr04	4082467	TT	CC	1940271424
SNP_P1_52459_4082468	NC_021163.1	Ca_kabuli_chr04	4082468	TT	CC	1940271425
SNP_P1_52460_4083138	NC_021163.1	Ca_kabuli_chr04	4083138	AA	CC	1940271427
SNP_P1_52463_4083891	NC_021163.1	Ca_kabuli_chr04	4083891	AA	TT	1940271429
SNP_P1_52464_4084271	NC_021163.1	Ca_kabuli_chr04	4084271	TT	AA	1940271430
SNP_P1_52465_4084273	NC_021163.1	Ca_kabuli_chr04	4084273	AA	GG	1940271432
SNP_P1_52466_4084345	NC_021163.1	Ca_kabuli_chr04	4084345	CC	TT	1940271434
SNP_P1_52467_4084501	NC_021163.1	Ca_kabuli_chr04	4084501	TT	CC	1940271435
SNP_P1_52468_4084616	NC_021163.1	Ca_kabuli_chr04	4084616	AA	GG	1940271437
SNP_P1_52469_4085234	NC_021163.1	Ca_kabuli_chr04	4085234	CC	TT	1940271439
SNP_P1_52470_4085297	NC_021163.1	Ca_kabuli_chr04	4085297	CC	TT	1940271440
SNP_P1_52471_4085306	NC_021163.1	Ca_kabuli_chr04	4085306	CC	TT	1940271442
SNP_P1_52472_4085362	NC_021163.1	Ca_kabuli_chr04	4085362	TT	CC	1940271444
SNP_P1_52473_4085496	NC_021163.1	Ca_kabuli_chr04	4085496	GG	AA	1940271445
SNP_P1_52474_4085502	NC_021163.1	Ca_kabuli_chr04	4085502	TT	CC	1940271447
SNP_P1_52475_4085530	NC_021163.1	Ca_kabuli_chr04	4085530	GG	AA	1940271449
SNP_P1_52476_4085535	NC_021163.1	Ca_kabuli_chr04	4085535	CC	TT	1940271450
SNP_P1_52477_4085538	NC_021163.1	Ca_kabuli_chr04	4085538	CC	AA	1940271452
SNP_P1_52478_4085546	NC_021163.1	Ca_kabuli_chr04	4085546	GG	TT	1940271454
SNP_P1_52480_4086012	NC_021163.1	Ca_kabuli_chr04	4086012	CC	GG	1940271455
SNP_P1_52481_4086123	NC_021163.1	Ca_kabuli_chr04	4086123	TT	GG	1940271457
SNP_P1_52482_4086248	NC_021163.1	Ca_kabuli_chr04	4086248	GG	AA	1940271459
SNP_P1_52483_4086328	NC_021163.1	Ca_kabuli_chr04	4086328	AA	CC	1940271460
SNP_P1_52486_4086566	NC_021163.1	Ca_kabuli_chr04	4086566	GG	AA	1940271462
SNP_P1_52487_4089138	NC_021163.1	Ca_kabuli_chr04	4089138	CC	GG	1940271464

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52489_4090235	NC_021163.1	Ca_kabuli_chr04	4090235	TT	AA	1940271467
SNP_P1_52490_4090248	NC_021163.1	Ca_kabuli_chr04	4090248	GG	AA	1940271469
SNP_P1_52491_4090269	NC_021163.1	Ca_kabuli_chr04	4090269	GG	AA	1940271470
SNP_P1_52492_4090280	NC_021163.1	Ca_kabuli_chr04	4090280	CC	TT	1940271472
SNP_P1_52493_4090290	NC_021163.1	Ca_kabuli_chr04	4090290	AA	GG	1940271474
SNP_P1_52494_4090381	NC_021163.1	Ca_kabuli_chr04	4090381	GG	TT	1940271475
SNP_P1_52495_4090383	NC_021163.1	Ca_kabuli_chr04	4090383	AA	GG	1940271477
SNP_P1_52496_4090666	NC_021163.1	Ca_kabuli_chr04	4090666	CC	TT	1940271479
SNP_P1_52499_4091041	NC_021163.1	Ca_kabuli_chr04	4091041	GG	AA	1940271480
SNP_P1_52500_4091051	NC_021163.1	Ca_kabuli_chr04	4091051	GG	AA	1940271482
SNP_P1_52501_4091255	NC_021163.1	Ca_kabuli_chr04	4091255	TT	AA	1940271484
SNP_P1_52502_4091262	NC_021163.1	Ca_kabuli_chr04	4091262	AA	TT	1940271485
SNP_P1_52503_4091804	NC_021163.1	Ca_kabuli_chr04	4091804	GG	AA	1940271487
SNP_P1_52504_4092715	NC_021163.1	Ca_kabuli_chr04	4092715	AA	GG	1940271489
SNP_P1_52505_4092718	NC_021163.1	Ca_kabuli_chr04	4092718	TT	AA	1940271490
SNP_P1_52506_4092719	NC_021163.1	Ca_kabuli_chr04	4092719	TT	CC	1940271492
SNP_P1_52507_4093320	NC_021163.1	Ca_kabuli_chr04	4093320	CC	AA	1940271494
SNP_P1_52508_4093338	NC_021163.1	Ca_kabuli_chr04	4093338	TT	CC	1940271495
SNP_P1_52510_4095726	NC_021163.1	Ca_kabuli_chr04	4095726	AA	CC	1940271497
SNP_P1_52511_4096157	NC_021163.1	Ca_kabuli_chr04	4096157	AA	GG	1940271499
SNP_P1_52512_4096180	NC_021163.1	Ca_kabuli_chr04	4096180	TT	CC	1940271500
SNP_P1_52513_4096654	NC_021163.1	Ca_kabuli_chr04	4096654	GG	AA	1940271502
SNP_P1_52514_4096659	NC_021163.1	Ca_kabuli_chr04	4096659	CC	AA	1940271504
SNP_P1_52515_4096716	NC_021163.1	Ca_kabuli_chr04	4096716	GG	AA	1940271505
SNP_P1_52516_4096801	NC_021163.1	Ca_kabuli_chr04	4096801	GG	TT	1940271507
SNP_P1_52517_4096929	NC_021163.1	Ca_kabuli_chr04	4096929	CC	GG	1940271509
SNP_P1_52518_4096956	NC_021163.1	Ca_kabuli_chr04	4096956	AA	CC	1940271510
SNP_P1_52519_4097295	NC_021163.1	Ca_kabuli_chr04	4097295	CC	TT	1940271512
SNP_P1_52520_4097472	NC_021163.1	Ca_kabuli_chr04	4097472	CC	TT	1940271514
SNP_P1_52521_4097935	NC_021163.1	Ca_kabuli_chr04	4097935	CC	TT	1940271515
SNP_P1_52522_4097989	NC_021163.1	Ca_kabuli_chr04	4097989	AA	GG	1940271517
SNP_P1_52523_4099410	NC_021163.1	Ca_kabuli_chr04	4099410	TT	GG	1940271519
SNP_P1_52524_4099842	NC_021163.1	Ca_kabuli_chr04	4099842	TT	AA	1940271520
SNP_P1_52525_4100179	NC_021163.1	Ca_kabuli_chr04	4100179	GG	CC	1940271522
SNP_P1_52526_4100197	NC_021163.1	Ca_kabuli_chr04	4100197	AA	GG	1940271524
SNP_P1_52527_4100198	NC_021163.1	Ca_kabuli_chr04	4100198	TT	CC	1940271525
SNP_P1_52528_4100201	NC_021163.1	Ca_kabuli_chr04	4100201	GG	AA	1940271527
SNP_P1_52529_4100209	NC_021163.1	Ca_kabuli_chr04	4100209	GG	TT	1940271529
SNP_P1_52530_4100484	NC_021163.1	Ca_kabuli_chr04	4100484	CC	AA	1940271530
SNP_P1_52531_4101299	NC_021163.1	Ca_kabuli_chr04	4101299	CC	GG	1940271532
SNP_P1_52532_4101408	NC_021163.1	Ca_kabuli_chr04	4101408	CC	AA	1940271534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52534_4101415	NC_021163.1	Ca_kabuli_chr04	4101415	AA	TT	1940271537
SNP_P1_52535_4101416	NC_021163.1	Ca_kabuli_chr04	4101416	TT	AA	1940271539
SNP_P1_52536_4101464	NC_021163.1	Ca_kabuli_chr04	4101464	GG	AA	1940271540
SNP_P1_52537_4101470	NC_021163.1	Ca_kabuli_chr04	4101470	GG	AA	1940271542
SNP_P1_52538_4101494	NC_021163.1	Ca_kabuli_chr04	4101494	AA	GG	1940271544
SNP_P1_52539_4101763	NC_021163.1	Ca_kabuli_chr04	4101763	TT	CC	1940271545
SNP_P1_52540_4101815	NC_021163.1	Ca_kabuli_chr04	4101815	TT	AA	1940271547
SNP_P1_52541_4101830	NC_021163.1	Ca_kabuli_chr04	4101830	AA	CC	1940271549
SNP_P1_52542_4102757	NC_021163.1	Ca_kabuli_chr04	4102757	AA	GG	1940271550
SNP_P1_52543_4102786	NC_021163.1	Ca_kabuli_chr04	4102786	GG	AA	1940271552
SNP_P1_52544_4103010	NC_021163.1	Ca_kabuli_chr04	4103010	TT	CC	1940271554
SNP_P1_52546_4104182	NC_021163.1	Ca_kabuli_chr04	4104182	TT	AA	1940271555
SNP_P1_52547_4104225	NC_021163.1	Ca_kabuli_chr04	4104225	TT	CC	1940271557
SNP_P1_52548_4104856	NC_021163.1	Ca_kabuli_chr04	4104856	CC	TT	1940271559
SNP_P1_52550_4104922	NC_021163.1	Ca_kabuli_chr04	4104922	AA	GG	1940271560
SNP_P1_52552_4105072	NC_021163.1	Ca_kabuli_chr04	4105072	AA	TT	1940271562
SNP_P1_52553_4107735	NC_021163.1	Ca_kabuli_chr04	4107735	GG	AA	1940271564
SNP_P1_52554_4110839	NC_021163.1	Ca_kabuli_chr04	4110839	CC	TT	1940271565
SNP_P1_52555_4110860	NC_021163.1	Ca_kabuli_chr04	4110860	AA	GG	1940271567
SNP_P1_52556_4112352	NC_021163.1	Ca_kabuli_chr04	4112352	CC	TT	1940271569
SNP_P1_52557_4112551	NC_021163.1	Ca_kabuli_chr04	4112551	AA	CC	1940271570
SNP_P1_52558_4112791	NC_021163.1	Ca_kabuli_chr04	4112791	CC	TT	1940271572
SNP_P1_52559_4112958	NC_021163.1	Ca_kabuli_chr04	4112958	AA	CC	1940271574
SNP_P1_52560_4113011	NC_021163.1	Ca_kabuli_chr04	4113011	CC	GG	1940271575
SNP_P1_52561_4115127	NC_021163.1	Ca_kabuli_chr04	4115127	GG	CC	1940271577
SNP_P1_52563_4116806	NC_021163.1	Ca_kabuli_chr04	4116806	GG	TT	1940271579
SNP_P1_52564_4116845	NC_021163.1	Ca_kabuli_chr04	4116845	AA	CC	1940271580
SNP_P1_52565_4116851	NC_021163.1	Ca_kabuli_chr04	4116851	GG	CC	1940271582
SNP_P1_52566_4117366	NC_021163.1	Ca_kabuli_chr04	4117366	CC	TT	1940271584
SNP_P1_52567_4117408	NC_021163.1	Ca_kabuli_chr04	4117408	TT	CC	1940271585
SNP_P1_52568_4117413	NC_021163.1	Ca_kabuli_chr04	4117413	AA	TT	1940271587
SNP_P1_52569_4117426	NC_021163.1	Ca_kabuli_chr04	4117426	AA	CC	1940271589
SNP_P1_52570_4118497	NC_021163.1	Ca_kabuli_chr04	4118497	GG	CC	1940271590
SNP_P1_52572_4118605	NC_021163.1	Ca_kabuli_chr04	4118605	GG	AA	1940271592
SNP_P1_52574_4120631	NC_021163.1	Ca_kabuli_chr04	4120631	AA	TT	1940271594
SNP_P1_52577_4121114	NC_021163.1	Ca_kabuli_chr04	4121114	TT	CC	1940271595
SNP_P1_52579_4121189	NC_021163.1	Ca_kabuli_chr04	4121189	TT	CC	1940271597
SNP_P1_52581_4121932	NC_021163.1	Ca_kabuli_chr04	4121932	TT	CC	1940271599
SNP_P1_52582_4121956	NC_021163.1	Ca_kabuli_chr04	4121956	GG	AA	1940271600
SNP_P1_52583_4122026	NC_021163.1	Ca_kabuli_chr04	4122026	CC	TT	1940271602
SNP_P1_52584_4122032	NC_021163.1	Ca_kabuli_chr04	4122032	GG	TT	1940271604

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52586_4123280	NC_021163.1	Ca_kabuli_chr04	4123280	GG	AA	1940271607
SNP_P1_52587_4123306	NC_021163.1	Ca_kabuli_chr04	4123306	CC	TT	1940271609
SNP_P1_52589_4123698	NC_021163.1	Ca_kabuli_chr04	4123698	CC	AA	1940271610
SNP_P1_52590_4123704	NC_021163.1	Ca_kabuli_chr04	4123704	GG	TT	1940271612
SNP_P1_52591_4123735	NC_021163.1	Ca_kabuli_chr04	4123735	GG	CC	1940271614
SNP_P1_52592_4123750	NC_021163.1	Ca_kabuli_chr04	4123750	GG	AA	1940271615
SNP_P1_52593_4124117	NC_021163.1	Ca_kabuli_chr04	4124117	TT	CC	1940271617
SNP_P1_52594_4124178	NC_021163.1	Ca_kabuli_chr04	4124178	GG	AA	1940271619
SNP_P1_52595_4124189	NC_021163.1	Ca_kabuli_chr04	4124189	CC	TT	1940271620
SNP_P1_52596_4124224	NC_021163.1	Ca_kabuli_chr04	4124224	AA	GG	1940271622
SNP_P1_52597_4124491	NC_021163.1	Ca_kabuli_chr04	4124491	CC	GG	1940271624
SNP_P1_52598_4124769	NC_021163.1	Ca_kabuli_chr04	4124769	CC	TT	1940271625
SNP_P1_52599_4124790	NC_021163.1	Ca_kabuli_chr04	4124790	GG	TT	1940271627
SNP_P1_52600_4124807	NC_021163.1	Ca_kabuli_chr04	4124807	CC	TT	1940271629
SNP_P1_52601_4124835	NC_021163.1	Ca_kabuli_chr04	4124835	GG	AA	1940271630
SNP_P1_52602_4124836	NC_021163.1	Ca_kabuli_chr04	4124836	TT	CC	1940271632
SNP_P1_52603_4124992	NC_021163.1	Ca_kabuli_chr04	4124992	AA	CC	1940271634
SNP_P1_52604_4125210	NC_021163.1	Ca_kabuli_chr04	4125210	CC	AA	1940271635
SNP_P1_52605_4125391	NC_021163.1	Ca_kabuli_chr04	4125391	GG	AA	1940271637
SNP_P1_52606_4125394	NC_021163.1	Ca_kabuli_chr04	4125394	AA	CC	1940271638
SNP_P1_52607_4125402	NC_021163.1	Ca_kabuli_chr04	4125402	TT	AA	1940271640
SNP_P1_52608_4125407	NC_021163.1	Ca_kabuli_chr04	4125407	CC	GG	1940271642
SNP_P1_52609_4125431	NC_021163.1	Ca_kabuli_chr04	4125431	AA	GG	1940271643
SNP_P1_52610_4125468	NC_021163.1	Ca_kabuli_chr04	4125468	AA	GG	1940271645
SNP_P1_52611_4125749	NC_021163.1	Ca_kabuli_chr04	4125749	AA	GG	1940271647
SNP_P1_52612_4125766	NC_021163.1	Ca_kabuli_chr04	4125766	GG	AA	1940271648
SNP_P1_52613_4125767	NC_021163.1	Ca_kabuli_chr04	4125767	GG	TT	1940271650
SNP_P1_52614_4125795	NC_021163.1	Ca_kabuli_chr04	4125795	TT	GG	1940271652
SNP_P1_52615_4125938	NC_021163.1	Ca_kabuli_chr04	4125938	CC	TT	1940271653
SNP_P1_52616_4125939	NC_021163.1	Ca_kabuli_chr04	4125939	CC	TT	1940271655
SNP_P1_52617_4126073	NC_021163.1	Ca_kabuli_chr04	4126073	CC	AA	1940271657
SNP_P1_52618_4126105	NC_021163.1	Ca_kabuli_chr04	4126105	GG	AA	1940271658
SNP_P1_52619_4126153	NC_021163.1	Ca_kabuli_chr04	4126153	GG	AA	1940271660
SNP_P1_52620_4126387	NC_021163.1	Ca_kabuli_chr04	4126387	AA	GG	1940271662
SNP_P1_52621_4126402	NC_021163.1	Ca_kabuli_chr04	4126402	AA	GG	1940271663
SNP_P1_52623_4126470	NC_021163.1	Ca_kabuli_chr04	4126470	AA	GG	1940271665
SNP_P1_52624_4127016	NC_021163.1	Ca_kabuli_chr04	4127016	CC	TT	1940271667
SNP_P1_52625_4127030	NC_021163.1	Ca_kabuli_chr04	4127030	CC	TT	1940271668
SNP_P1_52626_4127032	NC_021163.1	Ca_kabuli_chr04	4127032	CC	TT	1940271670
SNP_P1_52627_4127349	NC_021163.1	Ca_kabuli_chr04	4127349	TT	GG	1940271672
SNP_P1_52628_4127399	NC_021163.1	Ca_kabuli_chr04	4127399	AA	TT	1940271673

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52631_4127600	NC_021163.1	Ca_kabuli_chr04	4127600	CC	AA	1940271677
SNP_P1_52632_4127601	NC_021163.1	Ca_kabuli_chr04	4127601	GG	TT	1940271678
SNP_P1_52633_4127603	NC_021163.1	Ca_kabuli_chr04	4127603	CC	TT	1940271680
SNP_P1_52634_4127644	NC_021163.1	Ca_kabuli_chr04	4127644	TT	CC	1940271682
SNP_P1_52635_4127707	NC_021163.1	Ca_kabuli_chr04	4127707	AA	GG	1940271683
SNP_P1_52636_4127754	NC_021163.1	Ca_kabuli_chr04	4127754	TT	CC	1940271685
SNP_P1_52637_4127883	NC_021163.1	Ca_kabuli_chr04	4127883	CC	TT	1940271687
SNP_P1_52638_4128205	NC_021163.1	Ca_kabuli_chr04	4128205	GG	AA	1940271688
SNP_P1_52639_4128440	NC_021163.1	Ca_kabuli_chr04	4128440	AA	TT	1940271690
SNP_P1_52640_4129342	NC_021163.1	Ca_kabuli_chr04	4129342	AA	TT	1940271691
SNP_P1_52643_4160257	NC_021163.1	Ca_kabuli_chr04	4160257	AA	GG	1940271693
SNP_P1_52644_4165737	NC_021163.1	Ca_kabuli_chr04	4165737	AA	TT	1940271695
SNP_P1_52645_4169290	NC_021163.1	Ca_kabuli_chr04	4169290	AA	TT	1940271696
SNP_P1_52646_4188483	NC_021163.1	Ca_kabuli_chr04	4188483	TT	CC	1940271698
SNP_P1_52647_4188637	NC_021163.1	Ca_kabuli_chr04	4188637	CC	TT	1940271699
SNP_P1_52648_4190308	NC_021163.1	Ca_kabuli_chr04	4190308	TT	AA	1940271701
SNP_P1_52649_4191068	NC_021163.1	Ca_kabuli_chr04	4191068	CC	AA	1940271702
SNP_P1_52650_4191680	NC_021163.1	Ca_kabuli_chr04	4191680	TT	AA	1940271704
SNP_P1_52652_4194562	NC_021163.1	Ca_kabuli_chr04	4194562	GG	CC	1940271706
SNP_P1_52653_4195525	NC_021163.1	Ca_kabuli_chr04	4195525	TT	GG	1940271707
SNP_P1_52654_4195558	NC_021163.1	Ca_kabuli_chr04	4195558	GG	AA	1940271709
SNP_P1_52655_4195606	NC_021163.1	Ca_kabuli_chr04	4195606	TT	CC	1940271711
SNP_P1_52656_4195617	NC_021163.1	Ca_kabuli_chr04	4195617	TT	AA	1940271712
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SNP_P1_52658_4196237	NC_021163.1	Ca_kabuli_chr04	4196237	CC	TT	1940271716
SNP_P1_52660_4196372	NC_021163.1	Ca_kabuli_chr04	4196372	GG	CC	1940271717
SNP_P1_52662_4196611	NC_021163.1	Ca_kabuli_chr04	4196611	AA	CC	1940271719
SNP_P1_52663_4196759	NC_021163.1	Ca_kabuli_chr04	4196759	TT	AA	1940271721
SNP_P1_52664_4197146	NC_021163.1	Ca_kabuli_chr04	4197146	AA	TT	1940271722
SNP_P1_52665_4197599	NC_021163.1	Ca_kabuli_chr04	4197599	TT	CC	1940271724
SNP_P1_52666_4198106	NC_021163.1	Ca_kabuli_chr04	4198106	AA	CC	1940271725
SNP_P1_52667_4214593	NC_021163.1	Ca_kabuli_chr04	4214593	TT	CC	1940271727
SNP_P1_52668_4241908	NC_021163.1	Ca_kabuli_chr04	4241908	GG	AA	1940271729
SNP_P1_52670_4245016	NC_021163.1	Ca_kabuli_chr04	4245016	CC	GG	1940271730
SNP_P1_52671_4261320	NC_021163.1	Ca_kabuli_chr04	4261320	GG	AA	1940271732
SNP_P1_52672_4261879	NC_021163.1	Ca_kabuli_chr04	4261879	TT	GG	1940271734
SNP_P1_52675_4288660	NC_021163.1	Ca_kabuli_chr04	4288660	AA	TT	1940271735
SNP_P1_52677_4299200	NC_021163.1	Ca_kabuli_chr04	4299200	AA	GG	1940271737
SNP_P1_52678_4302283	NC_021163.1	Ca_kabuli_chr04	4302283	TT	CC	1940271738
SNP_P1_52682_4331126	NC_021163.1	Ca_kabuli_chr04	4331126	CC	TT	1940271740
SNP_P1_52683_4331186	NC_021163.1	Ca_kabuli_chr04	4331186	CC	AA	1940271742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52685_4354198	NC_021163.1	Ca_kabuli_chr04	4354198	CC	TT	1940271746
SNP_P1_52686_4373187	NC_021163.1	Ca_kabuli_chr04	4373187	GG	AA	1940271749
SNP_P1_52687_4374386	NC_021163.1	Ca_kabuli_chr04	4374386	AA	TT	1940271751
SNP_P1_52688_4383122	NC_021163.1	Ca_kabuli_chr04	4383122	TT	CC	1940271753
SNP_P1_52690_4383138	NC_021163.1	Ca_kabuli_chr04	4383138	AA	GG	1940271755
SNP_P1_52691_4383288	NC_021163.1	Ca_kabuli_chr04	4383288	AA	GG	1940271757
SNP_P1_52692_4383330	NC_021163.1	Ca_kabuli_chr04	4383330	GG	AA	1940271760
SNP_P1_52693_4383826	NC_021163.1	Ca_kabuli_chr04	4383826	CC	AA	1940271762
SNP_P1_52695_4390633	NC_021163.1	Ca_kabuli_chr04	4390633	GG	AA	1940271764
SNP_P1_52697_4406060	NC_021163.1	Ca_kabuli_chr04	4406060	TT	CC	1940271766
SNP_P1_52699_4431784	NC_021163.1	Ca_kabuli_chr04	4431784	TT	AA	1940271768
SNP_P1_52700_4432420	NC_021163.1	Ca_kabuli_chr04	4432420	AA	TT	1940271770
SNP_P1_52701_4432421	NC_021163.1	Ca_kabuli_chr04	4432421	AA	GG	1940271772
SNP_P1_52702_4437498	NC_021163.1	Ca_kabuli_chr04	4437498	GG	AA	1940271774
SNP_P1_52703_4444356	NC_021163.1	Ca_kabuli_chr04	4444356	TT	GG	1940271777
SNP_P1_52704_4446393	NC_021163.1	Ca_kabuli_chr04	4446393	CC	TT	1940271779
SNP_P1_52705_4447139	NC_021163.1	Ca_kabuli_chr04	4447139	TT	CC	1940271781
SNP_P1_52706_4448073	NC_021163.1	Ca_kabuli_chr04	4448073	AA	TT	1940271783
SNP_P1_52707_4452980	NC_021163.1	Ca_kabuli_chr04	4452980	CC	AA	1940271786
SNP_P1_52708_4455085	NC_021163.1	Ca_kabuli_chr04	4455085	CC	TT	1940271788
SNP_P1_52709_4456541	NC_021163.1	Ca_kabuli_chr04	4456541	GG	AA	1940271790
SNP_P1_52710_4457292	NC_021163.1	Ca_kabuli_chr04	4457292	AA	GG	1940271792
SNP_P1_52712_4460853	NC_021163.1	Ca_kabuli_chr04	4460853	AA	GG	1940271793
SNP_P1_52713_4461483	NC_021163.1	Ca_kabuli_chr04	4461483	CC	GG	1940271795
SNP_P1_52714_4463800	NC_021163.1	Ca_kabuli_chr04	4463800	TT	CC	1940271796
SNP_P1_52715_4463840	NC_021163.1	Ca_kabuli_chr04	4463840	GG	AA	1940271798
SNP_P1_52716_4465692	NC_021163.1	Ca_kabuli_chr04	4465692	TT	GG	1940271800
SNP_P1_52717_4465893	NC_021163.1	Ca_kabuli_chr04	4465893	GG	AA	1940271802
SNP_P1_52718_4466020	NC_021163.1	Ca_kabuli_chr04	4466020	CC	AA	1940271804
SNP_P1_52719_4466126	NC_021163.1	Ca_kabuli_chr04	4466126	TT	CC	1940271806
SNP_P1_52720_4466150	NC_021163.1	Ca_kabuli_chr04	4466150	AA	GG	1940271808
SNP_P1_52721_4466178	NC_021163.1	Ca_kabuli_chr04	4466178	TT	CC	1940271811
SNP_P1_52722_4466197	NC_021163.1	Ca_kabuli_chr04	4466197	AA	TT	1940271812
SNP_P1_52723_4466212	NC_021163.1	Ca_kabuli_chr04	4466212	TT	CC	1940271814
SNP_P1_52724_4468861	NC_021163.1	Ca_kabuli_chr04	4468861	CC	AA	1940271816
SNP_P1_52725_4470676	NC_021163.1	Ca_kabuli_chr04	4470676	CC	TT	1940271817
SNP_P1_52726_4471477	NC_021163.1	Ca_kabuli_chr04	4471477	TT	CC	1940271819
SNP_P1_52728_4471782	NC_021163.1	Ca_kabuli_chr04	4471782	TT	AA	1940271821
SNP_P1_52729_4472055	NC_021163.1	Ca_kabuli_chr04	4472055	CC	GG	1940271822
SNP_P1_52730_4473742	NC_021163.1	Ca_kabuli_chr04	4473742	AA	GG	1940271824
SNP_P1_52732_4479434	NC_021163.1	Ca_kabuli_chr04	4479434	TT	CC	1940271826

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52734_4479934	NC_021163.1	Ca_kabuli_chr04	4479934	GG	TT	1940271829
SNP_P1_52736_4480175	NC_021163.1	Ca_kabuli_chr04	4480175	AA	GG	1940271830
SNP_P1_52737_4480185	NC_021163.1	Ca_kabuli_chr04	4480185	AA	GG	1940271832
SNP_P1_52738_4480189	NC_021163.1	Ca_kabuli_chr04	4480189	CC	TT	1940271834
SNP_P1_52739_4480202	NC_021163.1	Ca_kabuli_chr04	4480202	CC	TT	1940271835
SNP_P1_52740_4480208	NC_021163.1	Ca_kabuli_chr04	4480208	AA	GG	1940271837
SNP_P1_52741_4480214	NC_021163.1	Ca_kabuli_chr04	4480214	AA	GG	1940271839
SNP_P1_52742_4480215	NC_021163.1	Ca_kabuli_chr04	4480215	GG	AA	1940271840
SNP_P1_52743_4480373	NC_021163.1	Ca_kabuli_chr04	4480373	TT	CC	1940271842
SNP_P1_52745_4480394	NC_021163.1	Ca_kabuli_chr04	4480394	GG	TT	1940271843
SNP_P1_52746_4480593	NC_021163.1	Ca_kabuli_chr04	4480593	GG	TT	1940271845
SNP_P1_52748_4481170	NC_021163.1	Ca_kabuli_chr04	4481170	TT	AA	1940271847
SNP_P1_52749_4481287	NC_021163.1	Ca_kabuli_chr04	4481287	TT	CC	1940271848
SNP_P1_52750_4481290	NC_021163.1	Ca_kabuli_chr04	4481290	GG	CC	1940271850
SNP_P1_52751_4481306	NC_021163.1	Ca_kabuli_chr04	4481306	TT	CC	1940271851
SNP_P1_52752_4481317	NC_021163.1	Ca_kabuli_chr04	4481317	AA	GG	1940271853
SNP_P1_52753_4481336	NC_021163.1	Ca_kabuli_chr04	4481336	TT	CC	1940271855
SNP_P1_52754_4481339	NC_021163.1	Ca_kabuli_chr04	4481339	AA	GG	1940271856
SNP_P1_52755_4481394	NC_021163.1	Ca_kabuli_chr04	4481394	TT	GG	1940271858
SNP_P1_52757_4481525	NC_021163.1	Ca_kabuli_chr04	4481525	TT	GG	1940271859
SNP_P1_52758_4481556	NC_021163.1	Ca_kabuli_chr04	4481556	AA	GG	1940271861
SNP_P1_52760_4481736	NC_021163.1	Ca_kabuli_chr04	4481736	CC	TT	1940271863
SNP_P1_52761_4481759	NC_021163.1	Ca_kabuli_chr04	4481759	GG	TT	1940271864
SNP_P1_52762_4481917	NC_021163.1	Ca_kabuli_chr04	4481917	TT	AA	1940271866
SNP_P1_52763_4481995	NC_021163.1	Ca_kabuli_chr04	4481995	TT	GG	1940271867
SNP_P1_52765_4482103	NC_021163.1	Ca_kabuli_chr04	4482103	TT	CC	1940271869
SNP_P1_52766_4482109	NC_021163.1	Ca_kabuli_chr04	4482109	CC	GG	1940271870
SNP_P1_52767_4484356	NC_021163.1	Ca_kabuli_chr04	4484356	GG	AA	1940271872
SNP_P1_52768_4484557	NC_021163.1	Ca_kabuli_chr04	4484557	GG	AA	1940271874
SNP_P1_52769_4485886	NC_021163.1	Ca_kabuli_chr04	4485886	TT	GG	1940271875
SNP_P1_52770_4485912	NC_021163.1	Ca_kabuli_chr04	4485912	CC	TT	1940271877
SNP_P1_52771_4487184	NC_021163.1	Ca_kabuli_chr04	4487184	GG	AA	1940271878
SNP_P1_52772_4487218	NC_021163.1	Ca_kabuli_chr04	4487218	GG	AA	1940271880
SNP_P1_52773_4487228	NC_021163.1	Ca_kabuli_chr04	4487228	CC	AA	1940271882
SNP_P1_52774_4487287	NC_021163.1	Ca_kabuli_chr04	4487287	GG	AA	1940271883
SNP_P1_52775_4487348	NC_021163.1	Ca_kabuli_chr04	4487348	CC	TT	1940271885
SNP_P1_52777_4488203	NC_021163.1	Ca_kabuli_chr04	4488203	AA	TT	1940271886
SNP_P1_52780_4491677	NC_021163.1	Ca_kabuli_chr04	4491677	GG	TT	1940271888
SNP_P1_52781_4495862	NC_021163.1	Ca_kabuli_chr04	4495862	TT	CC	1940271890
SNP_P1_52782_4495869	NC_021163.1	Ca_kabuli_chr04	4495869	TT	CC	1940271891
SNP_P1_52783_4496686	NC_021163.1	Ca_kabuli_chr04	4496686	GG	TT	1940271893

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52785_4498190	NC_021163.1	Ca_kabuli_chr04	4498190	CC	TT	1940271896
SNP_P1_52786_4498199	NC_021163.1	Ca_kabuli_chr04	4498199	GG	AA	1940271898
SNP_P1_52788_4499764	NC_021163.1	Ca_kabuli_chr04	4499764	AA	CC	1940271899
SNP_P1_52789_4499771	NC_021163.1	Ca_kabuli_chr04	4499771	CC	GG	1940271901
SNP_P1_52790_4500360	NC_021163.1	Ca_kabuli_chr04	4500360	CC	AA	1940271902
SNP_P1_52792_4500506	NC_021163.1	Ca_kabuli_chr04	4500506	GG	CC	1940271904
SNP_P1_52793_4500678	NC_021163.1	Ca_kabuli_chr04	4500678	CC	TT	1940271906
SNP_P1_52794_4500686	NC_021163.1	Ca_kabuli_chr04	4500686	CC	TT	1940271907
SNP_P1_52795_4500705	NC_021163.1	Ca_kabuli_chr04	4500705	CC	AA	1940271909
SNP_P1_52796_4500708	NC_021163.1	Ca_kabuli_chr04	4500708	AA	GG	1940271910
SNP_P1_52797_4500719	NC_021163.1	Ca_kabuli_chr04	4500719	GG	AA	1940271912
SNP_P1_52798_4500768	NC_021163.1	Ca_kabuli_chr04	4500768	GG	AA	1940271914
SNP_P1_52799_4500866	NC_021163.1	Ca_kabuli_chr04	4500866	GG	AA	1940271915
SNP_P1_52800_4500892	NC_021163.1	Ca_kabuli_chr04	4500892	TT	CC	1940271917
SNP_P1_52801_4500895	NC_021163.1	Ca_kabuli_chr04	4500895	CC	TT	1940271918
SNP_P1_52802_4501182	NC_021163.1	Ca_kabuli_chr04	4501182	AA	GG	1940271920
SNP_P1_52803_4501192	NC_021163.1	Ca_kabuli_chr04	4501192	TT	CC	1940271922
SNP_P1_52804_4501232	NC_021163.1	Ca_kabuli_chr04	4501232	AA	GG	1940271923
SNP_P1_52807_4502469	NC_021163.1	Ca_kabuli_chr04	4502469	CC	TT	1940271925
SNP_P1_52808_4502478	NC_021163.1	Ca_kabuli_chr04	4502478	AA	GG	1940271926
SNP_P1_52809_4502516	NC_021163.1	Ca_kabuli_chr04	4502516	TT	GG	1940271928
SNP_P1_52810_4502797	NC_021163.1	Ca_kabuli_chr04	4502797	AA	CC	1940271930
SNP_P1_52811_4502815	NC_021163.1	Ca_kabuli_chr04	4502815	AA	TT	1940271931
SNP_P1_52812_4502866	NC_021163.1	Ca_kabuli_chr04	4502866	AA	CC	1940271933
SNP_P1_52813_4503010	NC_021163.1	Ca_kabuli_chr04	4503010	GG	TT	1940271934
SNP_P1_52814_4503162	NC_021163.1	Ca_kabuli_chr04	4503162	TT	AA	1940271936
SNP_P1_52815_4503481	NC_021163.1	Ca_kabuli_chr04	4503481	TT	CC	1940271938
SNP_P1_52816_4503482	NC_021163.1	Ca_kabuli_chr04	4503482	TT	CC	1940271939
SNP_P1_52817_4503543	NC_021163.1	Ca_kabuli_chr04	4503543	AA	GG	1940271941
SNP_P1_52818_4503592	NC_021163.1	Ca_kabuli_chr04	4503592	CC	AA	1940271942
SNP_P1_52819_4503639	NC_021163.1	Ca_kabuli_chr04	4503639	CC	TT	1940271944
SNP_P1_52820_4503647	NC_021163.1	Ca_kabuli_chr04	4503647	AA	CC	1940271945
SNP_P1_52821_4503662	NC_021163.1	Ca_kabuli_chr04	4503662	AA	GG	1940271947
SNP_P1_52822_4503767	NC_021163.1	Ca_kabuli_chr04	4503767	AA	CC	1940271949
SNP_P1_52824_4504405	NC_021163.1	Ca_kabuli_chr04	4504405	GG	AA	1940271950
SNP_P1_52825_4504813	NC_021163.1	Ca_kabuli_chr04	4504813	GG	AA	1940271952
SNP_P1_52826_4505137	NC_021163.1	Ca_kabuli_chr04	4505137	AA	TT	1940271954
SNP_P1_52828_4505776	NC_021163.1	Ca_kabuli_chr04	4505776	TT	AA	1940271955
SNP_P1_52829_4505919	NC_021163.1	Ca_kabuli_chr04	4505919	TT	AA	1940271957
SNP_P1_52830_4506551	NC_021163.1	Ca_kabuli_chr04	4506551	AA	TT	1940271958
SNP_P1_52831_4506552	NC_021163.1	Ca_kabuli_chr04	4506552	TT	AA	1940271960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52833_4508383	NC_021163.1	Ca_kabuli_chr04	4508383	GG	AA	1940271963
SNP_P1_52835_4508481	NC_021163.1	Ca_kabuli_chr04	4508481	AA	GG	1940271965
SNP_P1_52836_4509193	NC_021163.1	Ca_kabuli_chr04	4509193	CC	TT	1940271966
SNP_P1_52838_4509466	NC_021163.1	Ca_kabuli_chr04	4509466	GG	AA	1940271968
SNP_P1_52839_4509705	NC_021163.1	Ca_kabuli_chr04	4509705	AA	GG	1940271970
SNP_P1_52840_4510083	NC_021163.1	Ca_kabuli_chr04	4510083	CC	TT	1940271971
SNP_P1_52841_4510096	NC_021163.1	Ca_kabuli_chr04	4510096	AA	GG	1940271973
SNP_P1_52842_4510223	NC_021163.1	Ca_kabuli_chr04	4510223	GG	TT	1940271974
SNP_P1_52843_4510353	NC_021163.1	Ca_kabuli_chr04	4510353	TT	CC	1940271976
SNP_P1_52844_4510392	NC_021163.1	Ca_kabuli_chr04	4510392	TT	CC	1940271978
SNP_P1_52845_4510432	NC_021163.1	Ca_kabuli_chr04	4510432	GG	AA	1940271979
SNP_P1_52846_4510482	NC_021163.1	Ca_kabuli_chr04	4510482	AA	TT	1940271981
SNP_P1_52847_4510534	NC_021163.1	Ca_kabuli_chr04	4510534	GG	TT	1940271982
SNP_P1_52848_4510780	NC_021163.1	Ca_kabuli_chr04	4510780	AA	GG	1940271984
SNP_P1_52849_4510827	NC_021163.1	Ca_kabuli_chr04	4510827	AA	GG	1940271986
SNP_P1_52852_4511199	NC_021163.1	Ca_kabuli_chr04	4511199	AA	GG	1940271987
SNP_P1_52854_4511916	NC_021163.1	Ca_kabuli_chr04	4511916	CC	TT	1940271989
SNP_P1_52856_4512662	NC_021163.1	Ca_kabuli_chr04	4512662	CC	TT	1940271990
SNP_P1_52857_4512743	NC_021163.1	Ca_kabuli_chr04	4512743	CC	TT	1940271992
SNP_P1_52858_4513424	NC_021163.1	Ca_kabuli_chr04	4513424	GG	AA	1940271994
SNP_P1_52859_4513646	NC_021163.1	Ca_kabuli_chr04	4513646	GG	TT	1940271995
SNP_P1_52860_4513656	NC_021163.1	Ca_kabuli_chr04	4513656	AA	CC	1940271997
SNP_P1_52861_4513673	NC_021163.1	Ca_kabuli_chr04	4513673	AA	GG	1940271998
SNP_P1_52862_4514274	NC_021163.1	Ca_kabuli_chr04	4514274	TT	CC	1940272000
SNP_P1_52863_4514540	NC_021163.1	Ca_kabuli_chr04	4514540	TT	GG	1940272002
SNP_P1_52864_4515767	NC_021163.1	Ca_kabuli_chr04	4515767	CC	TT	1940272003
SNP_P1_52865_4515796	NC_021163.1	Ca_kabuli_chr04	4515796	AA	TT	1940272005
SNP_P1_52866_4515804	NC_021163.1	Ca_kabuli_chr04	4515804	TT	AA	1940272007
SNP_P1_52867_4515805	NC_021163.1	Ca_kabuli_chr04	4515805	GG	TT	1940272008
SNP_P1_52868_4515829	NC_021163.1	Ca_kabuli_chr04	4515829	AA	GG	1940272010
SNP_P1_52869_4515846	NC_021163.1	Ca_kabuli_chr04	4515846	CC	TT	1940272011
SNP_P1_52870_4516238	NC_021163.1	Ca_kabuli_chr04	4516238	AA	CC	1940272013
SNP_P1_52871_4516265	NC_021163.1	Ca_kabuli_chr04	4516265	CC	TT	1940272015
SNP_P1_52873_4516944	NC_021163.1	Ca_kabuli_chr04	4516944	CC	TT	1940272016
SNP_P1_52875_4517209	NC_021163.1	Ca_kabuli_chr04	4517209	GG	CC	1940272018
SNP_P1_52877_4520774	NC_021163.1	Ca_kabuli_chr04	4520774	GG	AA	1940272019
SNP_P1_52879_4521166	NC_021163.1	Ca_kabuli_chr04	4521166	TT	CC	1940272021
SNP_P1_52880_4521252	NC_021163.1	Ca_kabuli_chr04	4521252	CC	TT	1940272023
SNP_P1_52881_4521255	NC_021163.1	Ca_kabuli_chr04	4521255	AA	CC	1940272024
SNP_P1_52882_4521494	NC_021163.1	Ca_kabuli_chr04	4521494	AA	TT	1940272026
SNP_P1_52883_4521527	NC_021163.1	Ca_kabuli_chr04	4521527	CC	TT	1940272028

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_52884_4521884	NC_021163.1	Ca_kabuli_chr04	4521884	TT	GG	1940272029
SNP_P1_52887_4522300	NC_021163.1	Ca_kabuli_chr04	4522300	TT	CC	1940272031
SNP_P1_52888_4522418	NC_021163.1	Ca_kabuli_chr04	4522418	GG	AA	1940272032
SNP_P1_52889_4522430	NC_021163.1	Ca_kabuli_chr04	4522430	GG	TT	1940272034
SNP_P1_52890_4522587	NC_021163.1	Ca_kabuli_chr04	4522587	AA	GG	1940272036
SNP_P1_52891_4522591	NC_021163.1	Ca_kabuli_chr04	4522591	GG	AA	1940272037
SNP_P1_52892_4522657	NC_021163.1	Ca_kabuli_chr04	4522657	AA	TT	1940272039
SNP_P1_52893_4522658	NC_021163.1	Ca_kabuli_chr04	4522658	TT	AA	1940272040
SNP_P1_52897_4523241	NC_021163.1	Ca_kabuli_chr04	4523241	GG	TT	1940272042
SNP_P1_52898_4523244	NC_021163.1	Ca_kabuli_chr04	4523244	TT	AA	1940272044
SNP_P1_52900_4523321	NC_021163.1	Ca_kabuli_chr04	4523321	GG	AA	1940272045
SNP_P1_52902_4523713	NC_021163.1	Ca_kabuli_chr04	4523713	GG	CC	1940272047
SNP_P1_52904_4524219	NC_021163.1	Ca_kabuli_chr04	4524219	TT	CC	1940272049
SNP_P1_52906_4525238	NC_021163.1	Ca_kabuli_chr04	4525238	GG	AA	1940272050
SNP_P1_52907_4525418	NC_021163.1	Ca_kabuli_chr04	4525418	CC	AA	1940272051
SNP_P1_52908_4525436	NC_021163.1	Ca_kabuli_chr04	4525436	CC	TT	1940272053
SNP_P1_52910_4528451	NC_021163.1	Ca_kabuli_chr04	4528451	GG	CC	1940272054
SNP_P1_52911_4528468	NC_021163.1	Ca_kabuli_chr04	4528468	TT	AA	1940272055
SNP_P1_52912_4528639	NC_021163.1	Ca_kabuli_chr04	4528639	TT	GG	1940272056
SNP_P1_52913_4528682	NC_021163.1	Ca_kabuli_chr04	4528682	TT	CC	1940272057
SNP_P1_52914_4530357	NC_021163.1	Ca_kabuli_chr04	4530357	TT	AA	1940272059
SNP_P1_52915_4532311	NC_021163.1	Ca_kabuli_chr04	4532311	CC	TT	1940272060
SNP_P1_52916_4532346	NC_021163.1	Ca_kabuli_chr04	4532346	CC	GG	1940272061
SNP_P1_52917_4532580	NC_021163.1	Ca_kabuli_chr04	4532580	AA	TT	1940272062
SNP_P1_52919_4532865	NC_021163.1	Ca_kabuli_chr04	4532865	TT	AA	1940272063
SNP_P1_52920_4532930	NC_021163.1	Ca_kabuli_chr04	4532930	GG	AA	1940272064
SNP_P1_52922_4532954	NC_021163.1	Ca_kabuli_chr04	4532954	AA	GG	1940272066
SNP_P1_52923_4533020	NC_021163.1	Ca_kabuli_chr04	4533020	TT	AA	1940272067
SNP_P1_52924_4533051	NC_021163.1	Ca_kabuli_chr04	4533051	CC	TT	1940272069
SNP_P1_52926_4533268	NC_021163.1	Ca_kabuli_chr04	4533268	CC	GG	1940272070
SNP_P1_52927_4533278	NC_021163.1	Ca_kabuli_chr04	4533278	CC	TT	1940272072
SNP_P1_52929_4534779	NC_021163.1	Ca_kabuli_chr04	4534779	TT	CC	1940272074
SNP_P1_52931_4536728	NC_021163.1	Ca_kabuli_chr04	4536728	TT	CC	1940272075
SNP_P1_52932_4536750	NC_021163.1	Ca_kabuli_chr04	4536750	AA	GG	1940272077
SNP_P1_52933_4537039	NC_021163.1	Ca_kabuli_chr04	4537039	CC	GG	1940272078
SNP_P1_52934_4537045	NC_021163.1	Ca_kabuli_chr04	4537045	TT	GG	1940272080
SNP_P1_52935_4537046	NC_021163.1	Ca_kabuli_chr04	4537046	TT	CC	1940272082
SNP_P1_52936_4537457	NC_021163.1	Ca_kabuli_chr04	4537457	TT	CC	1940272084
SNP_P1_52938_4537650	NC_021163.1	Ca_kabuli_chr04	4537650	CC	TT	1940272085
SNP_P1_52939_4537667	NC_021163.1	Ca_kabuli_chr04	4537667	GG	AA	1940272087
SNP_P1_52940_4537740	NC_021163.1	Ca_kabuli_chr04	4537740	TT	CC	1940272088
SNP_P1_52941_4537880	NC_021163.1	Ca_kabuli_chr04	4537880	CC	TT	1940272089

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52943_4538058	NC_021163.1	Ca_kabuli_chr04	4538058	CC	TT	1940272092
SNP_P1_52944_4538216	NC_021163.1	Ca_kabuli_chr04	4538216	CC	TT	1940272094
SNP_P1_52945_4538255	NC_021163.1	Ca_kabuli_chr04	4538255	GG	AA	1940272095
SNP_P1_52946_4538270	NC_021163.1	Ca_kabuli_chr04	4538270	TT	CC	1940272097
SNP_P1_52947_4538274	NC_021163.1	Ca_kabuli_chr04	4538274	CC	TT	1940272098
SNP_P1_52948_4538281	NC_021163.1	Ca_kabuli_chr04	4538281	AA	GG	1940272099
SNP_P1_52949_4538420	NC_021163.1	Ca_kabuli_chr04	4538420	TT	CC	1940272101
SNP_P1_52950_4538509	NC_021163.1	Ca_kabuli_chr04	4538509	GG	TT	1940272102
SNP_P1_52952_4538558	NC_021163.1	Ca_kabuli_chr04	4538558	TT	CC	1940272103
SNP_P1_52953_4538562	NC_021163.1	Ca_kabuli_chr04	4538562	CC	AA	1940272105
SNP_P1_52954_4538900	NC_021163.1	Ca_kabuli_chr04	4538900	GG	AA	1940272106
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SNP_P1_52957_4539141	NC_021163.1	Ca_kabuli_chr04	4539141	TT	CC	1940272108
SNP_P1_52958_4539434	NC_021163.1	Ca_kabuli_chr04	4539434	AA	GG	1940272109
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SNP_P1_52964_4539685	NC_021163.1	Ca_kabuli_chr04	4539685	AA	GG	1940272127
SNP_P1_52966_4539732	NC_021163.1	Ca_kabuli_chr04	4539732	AA	GG	1940272132
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SNP_P1_52973_4540476	NC_021163.1	Ca_kabuli_chr04	4540476	GG	AA	1940272150
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SNP_P1_52980_4541853	NC_021163.1	Ca_kabuli_chr04	4541853	AA	TT	1940272164
SNP_P1_52981_4541883	NC_021163.1	Ca_kabuli_chr04	4541883	AA	GG	1940272166
SNP_P1_52982_4541952	NC_021163.1	Ca_kabuli_chr04	4541952	GG	AA	1940272167
SNP_P1_52984_4542233	NC_021163.1	Ca_kabuli_chr04	4542233	AA	CC	1940272170
SNP_P1_52985_4542262	NC_021163.1	Ca_kabuli_chr04	4542262	AA	TT	1940272171
SNP_P1_52986_4542296	NC_021163.1	Ca_kabuli_chr04	4542296	AA	GG	1940272173
SNP_P1_52987_4542507	NC_021163.1	Ca_kabuli_chr04	4542507	AA	GG	1940272175
SNP_P1_52988_4542871	NC_021163.1	Ca_kabuli_chr04	4542871	AA	GG	1940272177

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_52992_4548188	NC_021163.1	Ca_kabuli_chr04	4548188	TT	CC	1940272183
SNP_P1_52993_4548714	NC_021163.1	Ca_kabuli_chr04	4548714	TT	CC	1940272185
SNP_P1_52994_4551432	NC_021163.1	Ca_kabuli_chr04	4551432	CC	AA	1940272187
SNP_P1_52995_4557086	NC_021163.1	Ca_kabuli_chr04	4557086	CC	TT	1940272189
SNP_P1_52996_4557262	NC_021163.1	Ca_kabuli_chr04	4557262	CC	AA	1940272191
SNP_P1_52997_4557693	NC_021163.1	Ca_kabuli_chr04	4557693	TT	CC	1940272193
SNP_P1_52998_4558411	NC_021163.1	Ca_kabuli_chr04	4558411	TT	CC	1940272195
SNP_P1_52999_4558915	NC_021163.1	Ca_kabuli_chr04	4558915	CC	AA	1940272196
SNP_P1_53000_4561836	NC_021163.1	Ca_kabuli_chr04	4561836	TT	AA	1940272198
SNP_P1_53002_4563028	NC_021163.1	Ca_kabuli_chr04	4563028	GG	AA	1940272201
SNP_P1_53003_4563325	NC_021163.1	Ca_kabuli_chr04	4563325	TT	GG	1940272203
SNP_P1_53004_4563508	NC_021163.1	Ca_kabuli_chr04	4563508	GG	CC	1940272205
SNP_P1_53005_4563591	NC_021163.1	Ca_kabuli_chr04	4563591	AA	CC	1940272207
SNP_P1_53010_4567813	NC_021163.1	Ca_kabuli_chr04	4567813	GG	AA	1940272209
SNP_P1_53011_4567821	NC_021163.1	Ca_kabuli_chr04	4567821	AA	GG	1940272211
SNP_P1_53013_4568021	NC_021163.1	Ca_kabuli_chr04	4568021	GG	TT	1940272213
SNP_P1_53014_4568023	NC_021163.1	Ca_kabuli_chr04	4568023	TT	GG	1940272215
SNP_P1_53015_4568038	NC_021163.1	Ca_kabuli_chr04	4568038	AA	GG	1940272217
SNP_P1_53017_4568071	NC_021163.1	Ca_kabuli_chr04	4568071	GG	AA	1940272219
SNP_P1_53018_4568431	NC_021163.1	Ca_kabuli_chr04	4568431	CC	GG	1940272222
SNP_P1_53020_4569912	NC_021163.1	Ca_kabuli_chr04	4569912	TT	AA	1940272224
SNP_P1_53021_4570285	NC_021163.1	Ca_kabuli_chr04	4570285	CC	AA	1940272226
SNP_P1_53023_4570958	NC_021163.1	Ca_kabuli_chr04	4570958	AA	TT	1940272228
SNP_P1_53025_4573599	NC_021163.1	Ca_kabuli_chr04	4573599	GG	AA	1940272230
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SNP_P1_53027_4574520	NC_021163.1	Ca_kabuli_chr04	4574520	CC	TT	1940272235
SNP_P1_53028_4574806	NC_021163.1	Ca_kabuli_chr04	4574806	TT	CC	1940272237
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SNP_P1_53030_4574947	NC_021163.1	Ca_kabuli_chr04	4574947	CC	GG	1940272242
SNP_P1_53032_4575327	NC_021163.1	Ca_kabuli_chr04	4575327	TT	CC	1940272244
SNP_P1_53035_4577843	NC_021163.1	Ca_kabuli_chr04	4577843	CC	TT	1940272246
SNP_P1_53036_4580107	NC_021163.1	Ca_kabuli_chr04	4580107	TT	GG	1940272249
SNP_P1_53037_4580363	NC_021163.1	Ca_kabuli_chr04	4580363	TT	AA	1940272251
SNP_P1_53038_4580372	NC_021163.1	Ca_kabuli_chr04	4580372	GG	TT	1940272253
SNP_P1_53039_4580403	NC_021163.1	Ca_kabuli_chr04	4580403	AA	GG	1940272254
SNP_P1_53040_4582668	NC_021163.1	Ca_kabuli_chr04	4582668	AA	TT	1940272256
SNP_P1_53042_4582813	NC_021163.1	Ca_kabuli_chr04	4582813	TT	CC	1940272258
SNP_P1_53043_4582827	NC_021163.1	Ca_kabuli_chr04	4582827	GG	AA	1940272260
SNP_P1_53044_4582910	NC_021163.1	Ca_kabuli_chr04	4582910	CC	GG	1940272262
SNP_P1_53046_4585388	NC_021163.1	Ca_kabuli_chr04	4585388	CC	TT	1940272263

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53049_4586320	NC_021163.1	Ca_kabuli_chr04	4586320	GG	TT	1940272269
SNP_P1_53050_4586563	NC_021163.1	Ca_kabuli_chr04	4586563	CC	TT	1940272270
SNP_P1_53051_4586661	NC_021163.1	Ca_kabuli_chr04	4586661	AA	GG	1940272272
SNP_P1_53053_4587900	NC_021163.1	Ca_kabuli_chr04	4587900	TT	GG	1940272274
SNP_P1_53055_4589212	NC_021163.1	Ca_kabuli_chr04	4589212	TT	AA	1940272275
SNP_P1_53056_4589214	NC_021163.1	Ca_kabuli_chr04	4589214	TT	AA	1940272277
SNP_P1_53057_4589281	NC_021163.1	Ca_kabuli_chr04	4589281	CC	TT	1940272278
SNP_P1_53058_4589315	NC_021163.1	Ca_kabuli_chr04	4589315	TT	AA	1940272280
SNP_P1_53059_4589362	NC_021163.1	Ca_kabuli_chr04	4589362	CC	TT	1940272282
SNP_P1_53060_4589445	NC_021163.1	Ca_kabuli_chr04	4589445	CC	TT	1940272283
SNP_P1_53062_4589582	NC_021163.1	Ca_kabuli_chr04	4589582	TT	AA	1940272285
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SNP_P1_53065_4589762	NC_021163.1	Ca_kabuli_chr04	4589762	GG	TT	1940272288
SNP_P1_53066_4589771	NC_021163.1	Ca_kabuli_chr04	4589771	CC	AA	1940272290
SNP_P1_53067_4589829	NC_021163.1	Ca_kabuli_chr04	4589829	CC	TT	1940272291
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SNP_P1_53076_4592511	NC_021163.1	Ca_kabuli_chr04	4592511	TT	CC	1940272299
SNP_P1_53077_4592560	NC_021163.1	Ca_kabuli_chr04	4592560	AA	CC	1940272301
SNP_P1_53078_4592609	NC_021163.1	Ca_kabuli_chr04	4592609	CC	TT	1940272302
SNP_P1_53079_4592740	NC_021163.1	Ca_kabuli_chr04	4592740	AA	GG	1940272304
SNP_P1_53080_4592840	NC_021163.1	Ca_kabuli_chr04	4592840	TT	AA	1940272306
SNP_P1_53081_4592842	NC_021163.1	Ca_kabuli_chr04	4592842	AA	CC	1940272307
SNP_P1_53082_4592849	NC_021163.1	Ca_kabuli_chr04	4592849	GG	AA	1940272309
SNP_P1_53083_4592926	NC_021163.1	Ca_kabuli_chr04	4592926	GG	CC	1940272310
SNP_P1_53084_4593010	NC_021163.1	Ca_kabuli_chr04	4593010	TT	CC	1940272312
SNP_P1_53085_4593289	NC_021163.1	Ca_kabuli_chr04	4593289	CC	TT	1940272313
SNP_P1_53087_4593340	NC_021163.1	Ca_kabuli_chr04	4593340	AA	TT	1940272315
SNP_P1_53088_4593702	NC_021163.1	Ca_kabuli_chr04	4593702	CC	TT	1940272316
SNP_P1_53090_4658612	NC_021163.1	Ca_kabuli_chr04	4658612	TT	GG	1940272318
SNP_P1_53091_4658613	NC_021163.1	Ca_kabuli_chr04	4658613	GG	CC	1940272319
SNP_P1_53092_4658634	NC_021163.1	Ca_kabuli_chr04	4658634	TT	AA	1940272321
SNP_P1_53093_4667387	NC_021163.1	Ca_kabuli_chr04	4667387	AA	GG	1940272322
SNP_P1_53094_4683722	NC_021163.1	Ca_kabuli_chr04	4683722	CC	AA	1940272324
SNP_P1_53097_4793031	NC_021163.1	Ca_kabuli_chr04	4793031	TT	CC	1940272326
SNP_P1_53099_4811896	NC_021163.1	Ca_kabuli_chr04	4811896	GG	AA	1940272327
SNP_P1_53100_4813776	NC_021163.1	Ca_kabuli_chr04	4813776	GG	TT	1940272329
SNP_P1_53101_4817380	NC_021163.1	Ca_kabuli_chr04	4817380	CC	TT	1940272330

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53103_4817462	NC_021163.1	Ca_kabuli_chr04	4817462	CC	TT	1940272334
SNP_P1_53105_4823698	NC_021163.1	Ca_kabuli_chr04	4823698	TT	GG	1940272335
SNP_P1_53106_4823996	NC_021163.1	Ca_kabuli_chr04	4823996	CC	TT	1940272337
SNP_P1_53107_4824020	NC_021163.1	Ca_kabuli_chr04	4824020	GG	TT	1940272339
SNP_P1_53108_4825370	NC_021163.1	Ca_kabuli_chr04	4825370	CC	TT	1940272341
SNP_P1_53109_4825600	NC_021163.1	Ca_kabuli_chr04	4825600	CC	TT	1940272342
SNP_P1_53110_4825783	NC_021163.1	Ca_kabuli_chr04	4825783	AA	CC	1940272344
SNP_P1_53112_4826027	NC_021163.1	Ca_kabuli_chr04	4826027	GG	CC	1940272345
SNP_P1_53113_4826620	NC_021163.1	Ca_kabuli_chr04	4826620	CC	TT	1940272347
SNP_P1_53114_4826638	NC_021163.1	Ca_kabuli_chr04	4826638	TT	CC	1940272348
SNP_P1_53115_4830575	NC_021163.1	Ca_kabuli_chr04	4830575	GG	CC	1940272350
SNP_P1_53116_4830763	NC_021163.1	Ca_kabuli_chr04	4830763	AA	GG	1940272352
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SNP_P1_53119_4830962	NC_021163.1	Ca_kabuli_chr04	4830962	AA	GG	1940272355
SNP_P1_53120_4831012	NC_021163.1	Ca_kabuli_chr04	4831012	AA	GG	1940272356
SNP_P1_53122_4831092	NC_021163.1	Ca_kabuli_chr04	4831092	TT	CC	1940272358
SNP_P1_53123_4839572	NC_021163.1	Ca_kabuli_chr04	4839572	TT	AA	1940272360
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SNP_P1_53126_4839709	NC_021163.1	Ca_kabuli_chr04	4839709	CC	TT	1940272364
SNP_P1_53128_4839797	NC_021163.1	Ca_kabuli_chr04	4839797	GG	TT	1940272366
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SNP_P1_53138_4847812	NC_021163.1	Ca_kabuli_chr04	4847812	GG	TT	1940272378
SNP_P1_53139_4847827	NC_021163.1	Ca_kabuli_chr04	4847827	GG	AA	1940272380
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SNP_P1_53143_4847944	NC_021163.1	Ca_kabuli_chr04	4847944	TT	CC	1940272386
SNP_P1_53144_4847975	NC_021163.1	Ca_kabuli_chr04	4847975	AA	GG	1940272388
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SNP_P1_53147_4848727	NC_021163.1	Ca_kabuli_chr04	4848727	TT	GG	1940272393
SNP_P1_53148_4849115	NC_021163.1	Ca_kabuli_chr04	4849115	GG	AA	1940272394
SNP_P1_53149_4849143	NC_021163.1	Ca_kabuli_chr04	4849143	TT	CC	1940272396
SNP_P1_53150_4849901	NC_021163.1	Ca_kabuli_chr04	4849901	GG	CC	1940272397

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53153_4850503	NC_021163.1	Ca_kabuli_chr04	4850503	TT	CC	1940272402
SNP_P1_53154_4851546	NC_021163.1	Ca_kabuli_chr04	4851546	TT	AA	1940272404
SNP_P1_53155_4852668	NC_021163.1	Ca_kabuli_chr04	4852668	AA	TT	1940272405
SNP_P1_53156_4852797	NC_021163.1	Ca_kabuli_chr04	4852797	GG	TT	1940272407
SNP_P1_53157_4853375	NC_021163.1	Ca_kabuli_chr04	4853375	AA	TT	1940272408
SNP_P1_53159_4856478	NC_021163.1	Ca_kabuli_chr04	4856478	GG	AA	1940272410
SNP_P1_53160_4857823	NC_021163.1	Ca_kabuli_chr04	4857823	TT	AA	1940272412
SNP_P1_53161_4858205	NC_021163.1	Ca_kabuli_chr04	4858205	AA	GG	1940272413
SNP_P1_53162_4858710	NC_021163.1	Ca_kabuli_chr04	4858710	AA	GG	1940272415
SNP_P1_53163_4859423	NC_021163.1	Ca_kabuli_chr04	4859423	GG	CC	1940272416
SNP_P1_53164_4860799	NC_021163.1	Ca_kabuli_chr04	4860799	AA	GG	1940272418
SNP_P1_53165_4860914	NC_021163.1	Ca_kabuli_chr04	4860914	AA	CC	1940272420
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SNP_P1_53167_4867891	NC_021163.1	Ca_kabuli_chr04	4867891	TT	AA	1940272423
SNP_P1_53168_4867939	NC_021163.1	Ca_kabuli_chr04	4867939	AA	GG	1940272424
SNP_P1_53171_4869883	NC_021163.1	Ca_kabuli_chr04	4869883	TT	CC	1940272426
SNP_P1_53172_4869996	NC_021163.1	Ca_kabuli_chr04	4869996	TT	AA	1940272427
SNP_P1_53173_4870003	NC_021163.1	Ca_kabuli_chr04	4870003	GG	AA	1940272429
SNP_P1_53174_4870440	NC_021163.1	Ca_kabuli_chr04	4870440	CC	TT	1940272431
SNP_P1_53177_4872092	NC_021163.1	Ca_kabuli_chr04	4872092	TT	AA	1940272432
SNP_P1_53178_4872102	NC_021163.1	Ca_kabuli_chr04	4872102	GG	TT	1940272434
SNP_P1_53179_4873639	NC_021163.1	Ca_kabuli_chr04	4873639	GG	AA	1940272435
SNP_P1_53180_4873858	NC_021163.1	Ca_kabuli_chr04	4873858	GG	CC	1940272437
SNP_P1_53181_4873943	NC_021163.1	Ca_kabuli_chr04	4873943	CC	AA	1940272439
SNP_P1_53182_4875290	NC_021163.1	Ca_kabuli_chr04	4875290	GG	AA	1940272440
SNP_P1_53185_4883817	NC_021163.1	Ca_kabuli_chr04	4883817	AA	GG	1940272442
SNP_P1_53186_4883925	NC_021163.1	Ca_kabuli_chr04	4883925	CC	AA	1940272443
SNP_P1_53187_4884396	NC_021163.1	Ca_kabuli_chr04	4884396	CC	TT	1940272445
SNP_P1_53188_4884409	NC_021163.1	Ca_kabuli_chr04	4884409	GG	TT	1940272447
SNP_P1_53189_4886440	NC_021163.1	Ca_kabuli_chr04	4886440	CC	TT	1940272448
SNP_P1_53190_4886667	NC_021163.1	Ca_kabuli_chr04	4886667	CC	AA	1940272450
SNP_P1_53191_4886962	NC_021163.1	Ca_kabuli_chr04	4886962	GG	AA	1940272451
SNP_P1_53192_4888825	NC_021163.1	Ca_kabuli_chr04	4888825	AA	GG	1940272453
SNP_P1_53193_4890422	NC_021163.1	Ca_kabuli_chr04	4890422	CC	TT	1940272455
SNP_P1_53194_4890680	NC_021163.1	Ca_kabuli_chr04	4890680	CC	AA	1940272456
SNP_P1_53197_4892765	NC_021163.1	Ca_kabuli_chr04	4892765	GG	AA	1940272458
SNP_P1_53198_4892850	NC_021163.1	Ca_kabuli_chr04	4892850	TT	GG	1940272459
SNP_P1_53199_4893230	NC_021163.1	Ca_kabuli_chr04	4893230	CC	GG	1940272461
SNP_P1_53201_4893637	NC_021163.1	Ca_kabuli_chr04	4893637	AA	GG	1940272463
SNP_P1_53202_4893638	NC_021163.1	Ca_kabuli_chr04	4893638	CC	TT	1940272464

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53205_4904803	NC_021163.1	Ca_kabuli_chr04	4904803	GG	AA	1940272467
SNP_P1_53206_4913945	NC_021163.1	Ca_kabuli_chr04	4913945	GG	AA	1940272469
SNP_P1_53207_4924266	NC_021163.1	Ca_kabuli_chr04	4924266	TT	CC	1940272471
SNP_P1_53208_4944493	NC_021163.1	Ca_kabuli_chr04	4944493	GG	TT	1940272472
SNP_P1_53209_4946730	NC_021163.1	Ca_kabuli_chr04	4946730	GG	CC	1940272474
SNP_P1_53210_4956385	NC_021163.1	Ca_kabuli_chr04	4956385	TT	CC	1940272475
SNP_P1_53212_4982003	NC_021163.1	Ca_kabuli_chr04	4982003	GG	AA	1940272477
SNP_P1_53213_4993909	NC_021163.1	Ca_kabuli_chr04	4993909	TT	CC	1940272479
SNP_P1_53214_4993910	NC_021163.1	Ca_kabuli_chr04	4993910	AA	CC	1940272480
SNP_P1_53215_5027332	NC_021163.1	Ca_kabuli_chr04	5027332	AA	GG	1940272482
SNP_P1_53218_5047941	NC_021163.1	Ca_kabuli_chr04	5047941	AA	GG	1940272483
SNP_P1_53219_5069914	NC_021163.1	Ca_kabuli_chr04	5069914	TT	AA	1940272485
SNP_P1_53220_5069915	NC_021163.1	Ca_kabuli_chr04	5069915	TT	CC	1940272487
SNP_P1_53223_5097143	NC_021163.1	Ca_kabuli_chr04	5097143	TT	CC	1940272488
SNP_P1_53224_5097150	NC_021163.1	Ca_kabuli_chr04	5097150	TT	CC	1940272490
SNP_P1_53225_5109358	NC_021163.1	Ca_kabuli_chr04	5109358	AA	CC	1940272491
SNP_P1_53227_5148557	NC_021163.1	Ca_kabuli_chr04	5148557	GG	TT	1940272493
SNP_P1_53230_5177103	NC_021163.1	Ca_kabuli_chr04	5177103	GG	AA	1940272495
SNP_P1_53231_5190592	NC_021163.1	Ca_kabuli_chr04	5190592	TT	CC	1940272496
SNP_P1_53232_5218158	NC_021163.1	Ca_kabuli_chr04	5218158	GG	AA	1940272498
SNP_P1_53234_5243697	NC_021163.1	Ca_kabuli_chr04	5243697	TT	CC	1940272499
SNP_P1_53235_5245775	NC_021163.1	Ca_kabuli_chr04	5245775	TT	AA	1940272501
SNP_P1_53238_5283826	NC_021163.1	Ca_kabuli_chr04	5283826	GG	AA	1940272503
SNP_P1_53239_5287043	NC_021163.1	Ca_kabuli_chr04	5287043	CC	AA	1940272504
SNP_P1_53240_5287080	NC_021163.1	Ca_kabuli_chr04	5287080	CC	AA	1940272506
SNP_P1_53242_5317004	NC_021163.1	Ca_kabuli_chr04	5317004	CC	TT	1940272507
SNP_P1_53243_5321928	NC_021163.1	Ca_kabuli_chr04	5321928	AA	GG	1940272509
SNP_P1_53244_5334305	NC_021163.1	Ca_kabuli_chr04	5334305	CC	TT	1940272511
SNP_P1_53246_5358456	NC_021163.1	Ca_kabuli_chr04	5358456	CC	TT	1940272512
SNP_P1_53247_5358818	NC_021163.1	Ca_kabuli_chr04	5358818	GG	AA	1940272514
SNP_P1_53248_5361198	NC_021163.1	Ca_kabuli_chr04	5361198	AA	GG	1940272515
SNP_P1_53249_5365546	NC_021163.1	Ca_kabuli_chr04	5365546	GG	AA	1940272517
SNP_P1_53250_5368776	NC_021163.1	Ca_kabuli_chr04	5368776	TT	CC	1940272519
SNP_P1_53251_5368793	NC_021163.1	Ca_kabuli_chr04	5368793	AA	GG	1940272520
SNP_P1_53252_5369836	NC_021163.1	Ca_kabuli_chr04	5369836	GG	AA	1940272522
SNP_P1_53253_5372453	NC_021163.1	Ca_kabuli_chr04	5372453	GG	AA	1940272523
SNP_P1_53254_5373682	NC_021163.1	Ca_kabuli_chr04	5373682	GG	AA	1940272525
SNP_P1_53255_5406458	NC_021163.1	Ca_kabuli_chr04	5406458	TT	GG	1940272527
SNP_P1_53256_5412435	NC_021163.1	Ca_kabuli_chr04	5412435	CC	TT	1940272528
SNP_P1_53257_5418266	NC_021163.1	Ca_kabuli_chr04	5418266	AA	TT	1940272530
SNP_P1_53258_5419808	NC_021163.1	Ca_kabuli_chr04	5419808	TT	CC	1940272532

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53260_5465033	NC_021163.1	Ca_kabuli_chr04	5465033	AA	TT	1940272535
SNP_P1_53261_5465717	NC_021163.1	Ca_kabuli_chr04	5465717	GG	AA	1940272536
SNP_P1_53264_5481044	NC_021163.1	Ca_kabuli_chr04	5481044	CC	TT	1940272538
SNP_P1_53265_5483394	NC_021163.1	Ca_kabuli_chr04	5483394	TT	CC	1940272539
SNP_P1_53266_5483399	NC_021163.1	Ca_kabuli_chr04	5483399	CC	AA	1940272541
SNP_P1_53267_5483473	NC_021163.1	Ca_kabuli_chr04	5483473	CC	TT	1940272543
SNP_P1_53268_5483534	NC_021163.1	Ca_kabuli_chr04	5483534	TT	AA	1940272544
SNP_P1_53269_5483700	NC_021163.1	Ca_kabuli_chr04	5483700	TT	CC	1940272546
SNP_P1_53270_5483811	NC_021163.1	Ca_kabuli_chr04	5483811	AA	GG	1940272547
SNP_P1_53271_5483845	NC_021163.1	Ca_kabuli_chr04	5483845	AA	GG	1940272549
SNP_P1_53272_5485013	NC_021163.1	Ca_kabuli_chr04	5485013	AA	GG	1940272551
SNP_P1_53273_5485243	NC_021163.1	Ca_kabuli_chr04	5485243	AA	GG	1940272552
SNP_P1_53274_5496094	NC_021163.1	Ca_kabuli_chr04	5496094	AA	TT	1940272554
SNP_P1_53275_5496095	NC_021163.1	Ca_kabuli_chr04	5496095	TT	GG	1940272555
SNP_P1_53276_5501376	NC_021163.1	Ca_kabuli_chr04	5501376	AA	GG	1940272557
SNP_P1_53277_5515905	NC_021163.1	Ca_kabuli_chr04	5515905	AA	GG	1940272559
SNP_P1_53278_5518961	NC_021163.1	Ca_kabuli_chr04	5518961	GG	AA	1940272560
SNP_P1_53279_5525199	NC_021163.1	Ca_kabuli_chr04	5525199	TT	AA	1940272562
SNP_P1_53281_5525810	NC_021163.1	Ca_kabuli_chr04	5525810	TT	CC	1940272563
SNP_P1_53282_5526265	NC_021163.1	Ca_kabuli_chr04	5526265	AA	GG	1940272565
SNP_P1_53283_5562821	NC_021163.1	Ca_kabuli_chr04	5562821	GG	TT	1940272567
SNP_P1_53285_5564922	NC_021163.1	Ca_kabuli_chr04	5564922	AA	GG	1940272568
SNP_P1_53288_5616153	NC_021163.1	Ca_kabuli_chr04	5616153	TT	CC	1940272570
SNP_P1_53289_5616921	NC_021163.1	Ca_kabuli_chr04	5616921	AA	GG	1940272571
SNP_P1_53291_5619335	NC_021163.1	Ca_kabuli_chr04	5619335	GG	AA	1940272573
SNP_P1_53293_5651641	NC_021163.1	Ca_kabuli_chr04	5651641	GG	TT	1940272575
SNP_P1_53295_5655445	NC_021163.1	Ca_kabuli_chr04	5655445	TT	AA	1940272576
SNP_P1_53296_5669670	NC_021163.1	Ca_kabuli_chr04	5669670	CC	TT	1940272578
SNP_P1_53297_5701797	NC_021163.1	Ca_kabuli_chr04	5701797	AA	TT	1940272580
SNP_P1_53299_5707416	NC_021163.1	Ca_kabuli_chr04	5707416	TT	GG	1940272581
SNP_P1_53300_5707992	NC_021163.1	Ca_kabuli_chr04	5707992	TT	CC	1940272583
SNP_P1_53301_5712664	NC_021163.1	Ca_kabuli_chr04	5712664	TT	CC	1940272584
SNP_P1_53303_5748895	NC_021163.1	Ca_kabuli_chr04	5748895	CC	GG	1940272586
SNP_P1_53304_5760634	NC_021163.1	Ca_kabuli_chr04	5760634	CC	TT	1940272588
SNP_P1_53307_5824645	NC_021163.1	Ca_kabuli_chr04	5824645	AA	GG	1940272589
SNP_P1_53309_5869272	NC_021163.1	Ca_kabuli_chr04	5869272	CC	TT	1940272591
SNP_P1_53310_5870221	NC_021163.1	Ca_kabuli_chr04	5870221	AA	GG	1940272593
SNP_P1_53311_5901333	NC_021163.1	Ca_kabuli_chr04	5901333	CC	TT	1940272594
SNP_P1_53312_5902014	NC_021163.1	Ca_kabuli_chr04	5902014	AA	TT	1940272596
SNP_P1_53314_5915576	NC_021163.1	Ca_kabuli_chr04	5915576	AA	GG	1940272598
SNP_P1_53316_5951563	NC_021163.1	Ca_kabuli_chr04	5951563	TT	CC	1940272599

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53320_6022867	NC_021163.1	Ca_kabuli_chr04	6022867	AA	TT	1940272602
SNP_P1_53321_6023514	NC_021163.1	Ca_kabuli_chr04	6023514	TT	AA	1940272604
SNP_P1_53322_6024279	NC_021163.1	Ca_kabuli_chr04	6024279	CC	AA	1940272606
SNP_P1_53323_6050270	NC_021163.1	Ca_kabuli_chr04	6050270	TT	CC	1940272608
SNP_P1_53324_6050328	NC_021163.1	Ca_kabuli_chr04	6050328	GG	TT	1940272611
SNP_P1_53325_6050642	NC_021163.1	Ca_kabuli_chr04	6050642	CC	TT	1940272613
SNP_P1_53326_6050682	NC_021163.1	Ca_kabuli_chr04	6050682	GG	AA	1940272616
SNP_P1_53328_6111421	NC_021163.1	Ca_kabuli_chr04	6111421	AA	GG	1940272618
SNP_P1_53329_6122448	NC_021163.1	Ca_kabuli_chr04	6122448	TT	CC	1940272621
SNP_P1_53330_6124805	NC_021163.1	Ca_kabuli_chr04	6124805	AA	TT	1940272623
SNP_P1_53331_6124867	NC_021163.1	Ca_kabuli_chr04	6124867	AA	GG	1940272625
SNP_P1_53332_6124897	NC_021163.1	Ca_kabuli_chr04	6124897	GG	AA	1940272627
SNP_P1_53333_6127920	NC_021163.1	Ca_kabuli_chr04	6127920	AA	TT	1940272630
SNP_P1_53334_6127921	NC_021163.1	Ca_kabuli_chr04	6127921	CC	AA	1940272632
SNP_P1_53335_6128093	NC_021163.1	Ca_kabuli_chr04	6128093	AA	GG	1940272634
SNP_P1_53336_6129167	NC_021163.1	Ca_kabuli_chr04	6129167	TT	AA	1940272635
SNP_P1_53340_6168361	NC_021163.1	Ca_kabuli_chr04	6168361	GG	CC	1940272638
SNP_P1_53343_6209346	NC_021163.1	Ca_kabuli_chr04	6209346	TT	GG	1940272640
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SNP_P1_53345_6212294	NC_021163.1	Ca_kabuli_chr04	6212294	CC	AA	1940272645
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SNP_P1_53347_6212362	NC_021163.1	Ca_kabuli_chr04	6212362	GG	AA	1940272650
SNP_P1_53348_6212553	NC_021163.1	Ca_kabuli_chr04	6212553	AA	CC	1940272653
SNP_P1_53349_6212562	NC_021163.1	Ca_kabuli_chr04	6212562	AA	GG	1940272655
SNP_P1_53350_6212585	NC_021163.1	Ca_kabuli_chr04	6212585	AA	GG	1940272657
SNP_P1_53351_6212587	NC_021163.1	Ca_kabuli_chr04	6212587	TT	CC	1940272658
SNP_P1_53352_6212628	NC_021163.1	Ca_kabuli_chr04	6212628	TT	GG	1940272660
SNP_P1_53353_6212649	NC_021163.1	Ca_kabuli_chr04	6212649	GG	AA	1940272662
SNP_P1_53354_6225541	NC_021163.1	Ca_kabuli_chr04	6225541	TT	CC	1940272664
SNP_P1_53357_6303342	NC_021163.1	Ca_kabuli_chr04	6303342	AA	CC	1940272666
SNP_P1_53358_6303343	NC_021163.1	Ca_kabuli_chr04	6303343	AA	GG	1940272667
SNP_P1_53359_6303674	NC_021163.1	Ca_kabuli_chr04	6303674	CC	TT	1940272669
SNP_P1_53361_6344610	NC_021163.1	Ca_kabuli_chr04	6344610	TT	AA	1940272670
SNP_P1_53363_6356469	NC_021163.1	Ca_kabuli_chr04	6356469	GG	AA	1940272672
SNP_P1_53365_6371070	NC_021163.1	Ca_kabuli_chr04	6371070	GG	TT	1940272674
SNP_P1_53366_6379613	NC_021163.1	Ca_kabuli_chr04	6379613	GG	AA	1940272676
SNP_P1_53367_6381396	NC_021163.1	Ca_kabuli_chr04	6381396	AA	CC	1940272678
SNP_P1_53368_6381399	NC_021163.1	Ca_kabuli_chr04	6381399	AA	CC	1940272680
SNP_P1_53369_6386413	NC_021163.1	Ca_kabuli_chr04	6386413	GG	TT	1940272681
SNP_P1_53371_6395545	NC_021163.1	Ca_kabuli_chr04	6395545	CC	AA	1940272683
SNP_P1_53372_6397747	NC_021163.1	Ca_kabuli_chr04	6397747	GG	TT	1940272685

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53375_6423526	NC_021163.1	Ca_kabuli_chr04	6423526	AA	GG	1940272689
SNP_P1_53376_6436271	NC_021163.1	Ca_kabuli_chr04	6436271	CC	GG	1940272691
SNP_P1_53377_6443393	NC_021163.1	Ca_kabuli_chr04	6443393	AA	GG	1940272692
SNP_P1_53378_6451303	NC_021163.1	Ca_kabuli_chr04	6451303	TT	CC	1940272694
SNP_P1_53379_6462613	NC_021163.1	Ca_kabuli_chr04	6462613	GG	AA	1940272695
SNP_P1_53380_6477607	NC_021163.1	Ca_kabuli_chr04	6477607	CC	TT	1940272697
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SNP_P1_53383_6501437	NC_021163.1	Ca_kabuli_chr04	6501437	TT	CC	1940272700
SNP_P1_53384_6520407	NC_021163.1	Ca_kabuli_chr04	6520407	CC	AA	1940272702
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SNP_P1_53387_6577987	NC_021163.1	Ca_kabuli_chr04	6577987	CC	TT	1940272705
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SNP_P1_53392_6588380	NC_021163.1	Ca_kabuli_chr04	6588380	TT	CC	1940272713
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SNP_P1_53394_6600863	NC_021163.1	Ca_kabuli_chr04	6600863	TT	CC	1940272716
SNP_P1_53395_6607646	NC_021163.1	Ca_kabuli_chr04	6607646	AA	GG	1940272718
SNP_P1_53398_6620114	NC_021163.1	Ca_kabuli_chr04	6620114	TT	CC	1940272720
SNP_P1_53399_6633631	NC_021163.1	Ca_kabuli_chr04	6633631	AA	CC	1940272721
SNP_P1_53400_6635015	NC_021163.1	Ca_kabuli_chr04	6635015	CC	GG	1940272723
SNP_P1_53401_6694677	NC_021163.1	Ca_kabuli_chr04	6694677	GG	AA	1940272725
SNP_P1_53402_6706277	NC_021163.1	Ca_kabuli_chr04	6706277	AA	GG	1940272727
SNP_P1_53404_6733553	NC_021163.1	Ca_kabuli_chr04	6733553	GG	AA	1940272728
SNP_P1_53405_6756978	NC_021163.1	Ca_kabuli_chr04	6756978	GG	CC	1940272730
SNP_P1_53407_6774044	NC_021163.1	Ca_kabuli_chr04	6774044	AA	GG	1940272731
SNP_P1_53408_6788335	NC_021163.1	Ca_kabuli_chr04	6788335	TT	CC	1940272733
SNP_P1_53410_6795373	NC_021163.1	Ca_kabuli_chr04	6795373	AA	TT	1940272734
SNP_P1_53411_6797350	NC_021163.1	Ca_kabuli_chr04	6797350	TT	AA	1940272736
SNP_P1_53412_6811469	NC_021163.1	Ca_kabuli_chr04	6811469	CC	AA	1940272738
SNP_P1_53413_6816952	NC_021163.1	Ca_kabuli_chr04	6816952	CC	TT	1940272739
SNP_P1_53414_6840068	NC_021163.1	Ca_kabuli_chr04	6840068	TT	AA	1940272740
SNP_P1_53415_6857473	NC_021163.1	Ca_kabuli_chr04	6857473	AA	TT	1940272742
SNP_P1_53416_6859840	NC_021163.1	Ca_kabuli_chr04	6859840	AA	GG	1940272743
SNP_P1_53417_6863806	NC_021163.1	Ca_kabuli_chr04	6863806	CC	GG	1940272745
SNP_P1_53418_6864116	NC_021163.1	Ca_kabuli_chr04	6864116	CC	TT	1940272746
SNP_P1_53421_6881123	NC_021163.1	Ca_kabuli_chr04	6881123	TT	CC	1940272748
SNP_P1_53422_6881221	NC_021163.1	Ca_kabuli_chr04	6881221	AA	TT	1940272750
SNP_P1_53423_6895016	NC_021163.1	Ca_kabuli_chr04	6895016	TT	GG	1940272752
SNP_P1_53424_6901597	NC_021163.1	Ca_kabuli_chr04	6901597	TT	CC	1940272754

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53427_6907267	NC_021163.1	Ca_kabuli_chr04	6907267	CC	TT	1940272758
SNP_P1_53428_6907299	NC_021163.1	Ca_kabuli_chr04	6907299	AA	GG	1940272760
SNP_P1_53429_6912287	NC_021163.1	Ca_kabuli_chr04	6912287	AA	GG	1940272762
SNP_P1_53430_6913088	NC_021163.1	Ca_kabuli_chr04	6913088	TT	AA	1940272764
SNP_P1_53431_6945203	NC_021163.1	Ca_kabuli_chr04	6945203	CC	TT	1940272766
SNP_P1_53432_6959476	NC_021163.1	Ca_kabuli_chr04	6959476	AA	TT	1940272768
SNP_P1_53433_6969799	NC_021163.1	Ca_kabuli_chr04	6969799	TT	CC	1940272771
SNP_P1_53434_6981919	NC_021163.1	Ca_kabuli_chr04	6981919	AA	GG	1940272772
SNP_P1_53435_6995684	NC_021163.1	Ca_kabuli_chr04	6995684	CC	TT	1940272774
SNP_P1_53438_7010489	NC_021163.1	Ca_kabuli_chr04	7010489	AA	CC	1940272776
SNP_P1_53439_7010492	NC_021163.1	Ca_kabuli_chr04	7010492	AA	TT	1940272778
SNP_P1_53440_7021000	NC_021163.1	Ca_kabuli_chr04	7021000	AA	GG	1940272780
SNP_P1_53442_7033820	NC_021163.1	Ca_kabuli_chr04	7033820	TT	GG	1940272781
SNP_P1_53443_7054984	NC_021163.1	Ca_kabuli_chr04	7054984	AA	CC	1940272783
SNP_P1_53444_7060268	NC_021163.1	Ca_kabuli_chr04	7060268	AA	GG	1940272785
SNP_P1_53445_7061136	NC_021163.1	Ca_kabuli_chr04	7061136	GG	TT	1940272787
SNP_P1_53446_7074415	NC_021163.1	Ca_kabuli_chr04	7074415	CC	TT	1940272789
SNP_P1_53447_7074430	NC_021163.1	Ca_kabuli_chr04	7074430	GG	AA	1940272791
SNP_P1_53450_7096615	NC_021163.1	Ca_kabuli_chr04	7096615	GG	AA	1940272793
SNP_P1_53451_7108099	NC_021163.1	Ca_kabuli_chr04	7108099	TT	GG	1940272795
SNP_P1_53452_7108103	NC_021163.1	Ca_kabuli_chr04	7108103	TT	AA	1940272797
SNP_P1_53453_7108978	NC_021163.1	Ca_kabuli_chr04	7108978	TT	CC	1940272800
SNP_P1_53454_7117272	NC_021163.1	Ca_kabuli_chr04	7117272	GG	CC	1940272801
SNP_P1_53455_7127259	NC_021163.1	Ca_kabuli_chr04	7127259	GG	AA	1940272804
SNP_P1_53457_7128635	NC_021163.1	Ca_kabuli_chr04	7128635	GG	AA	1940272806
SNP_P1_53459_7154118	NC_021163.1	Ca_kabuli_chr04	7154118	GG	AA	1940272807
SNP_P1_53460_7159720	NC_021163.1	Ca_kabuli_chr04	7159720	CC	TT	1940272810
SNP_P1_53461_7160470	NC_021163.1	Ca_kabuli_chr04	7160470	GG	TT	1940272812
SNP_P1_53462_7160533	NC_021163.1	Ca_kabuli_chr04	7160533	TT	CC	1940272814
SNP_P1_53463_7207043	NC_021163.1	Ca_kabuli_chr04	7207043	AA	GG	1940272816
SNP_P1_53464_7253598	NC_021163.1	Ca_kabuli_chr04	7253598	TT	GG	1940272818
SNP_P1_53465_7254247	NC_021163.1	Ca_kabuli_chr04	7254247	CC	GG	1940272820
SNP_P1_53467_7272521	NC_021163.1	Ca_kabuli_chr04	7272521	TT	CC	1940272822
SNP_P1_53469_7284405	NC_021163.1	Ca_kabuli_chr04	7284405	CC	TT	1940272825
SNP_P1_53470_7286443	NC_021163.1	Ca_kabuli_chr04	7286443	CC	AA	1940272827
SNP_P1_53471_7287153	NC_021163.1	Ca_kabuli_chr04	7287153	GG	AA	1940272829
SNP_P1_53472_7290853	NC_021163.1	Ca_kabuli_chr04	7290853	TT	AA	1940272830
SNP_P1_53473_7292955	NC_021163.1	Ca_kabuli_chr04	7292955	GG	AA	1940272832
SNP_P1_53476_7323477	NC_021163.1	Ca_kabuli_chr04	7323477	CC	TT	1940272834
SNP_P1_53477_7359137	NC_021163.1	Ca_kabuli_chr04	7359137	GG	AA	1940272835
SNP_P1_53478_7359150	NC_021163.1	Ca_kabuli_chr04	7359150	AA	GG	1940272837

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53480_7359228	NC_021163.1	Ca_kabuli_chr04	7359228	AA	GG	1940272840
SNP_P1_53481_7362381	NC_021163.1	Ca_kabuli_chr04	7362381	GG	AA	1940272842
SNP_P1_53482_7368567	NC_021163.1	Ca_kabuli_chr04	7368567	AA	CC	1940272844
SNP_P1_53485_7431724	NC_021163.1	Ca_kabuli_chr04	7431724	AA	GG	1940272845
SNP_P1_53486_7432259	NC_021163.1	Ca_kabuli_chr04	7432259	TT	CC	1940272847
SNP_P1_53487_7440765	NC_021163.1	Ca_kabuli_chr04	7440765	GG	AA	1940272849
SNP_P1_53489_7472623	NC_021163.1	Ca_kabuli_chr04	7472623	CC	TT	1940272851
SNP_P1_53490_7478563	NC_021163.1	Ca_kabuli_chr04	7478563	TT	AA	1940272853
SNP_P1_53491_7478570	NC_021163.1	Ca_kabuli_chr04	7478570	AA	TT	1940272855
SNP_P1_53492_7480193	NC_021163.1	Ca_kabuli_chr04	7480193	AA	GG	1940272857
SNP_P1_53493_7480526	NC_021163.1	Ca_kabuli_chr04	7480526	GG	TT	1940272859
SNP_P1_53494_7480684	NC_021163.1	Ca_kabuli_chr04	7480684	GG	TT	1940272861
SNP_P1_53495_7480710	NC_021163.1	Ca_kabuli_chr04	7480710	AA	TT	1940272862
SNP_P1_53496_7480712	NC_021163.1	Ca_kabuli_chr04	7480712	CC	TT	1940272864
SNP_P1_53497_7480892	NC_021163.1	Ca_kabuli_chr04	7480892	CC	TT	1940272866
SNP_P1_53498_7487341	NC_021163.1	Ca_kabuli_chr04	7487341	AA	CC	1940272868
SNP_P1_53499_7492679	NC_021163.1	Ca_kabuli_chr04	7492679	GG	AA	1940272870
SNP_P1_53500_7495469	NC_021163.1	Ca_kabuli_chr04	7495469	GG	CC	1940272872
SNP_P1_53501_7514217	NC_021163.1	Ca_kabuli_chr04	7514217	CC	GG	1940272873
SNP_P1_53502_7550579	NC_021163.1	Ca_kabuli_chr04	7550579	AA	TT	1940272875
SNP_P1_53505_7579920	NC_021163.1	Ca_kabuli_chr04	7579920	GG	AA	1940272877
SNP_P1_53507_7615233	NC_021163.1	Ca_kabuli_chr04	7615233	AA	CC	1940272879
SNP_P1_53508_7617297	NC_021163.1	Ca_kabuli_chr04	7617297	TT	CC	1940272880
SNP_P1_53510_7638134	NC_021163.1	Ca_kabuli_chr04	7638134	CC	TT	1940272882
SNP_P1_53511_7638462	NC_021163.1	Ca_kabuli_chr04	7638462	GG	AA	1940272883
SNP_P1_53512_7638520	NC_021163.1	Ca_kabuli_chr04	7638520	GG	AA	1940272885
SNP_P1_53514_7641196	NC_021163.1	Ca_kabuli_chr04	7641196	GG	AA	1940272887
SNP_P1_53515_7643390	NC_021163.1	Ca_kabuli_chr04	7643390	TT	CC	1940272888
SNP_P1_53516_7667206	NC_021163.1	Ca_kabuli_chr04	7667206	CC	TT	1940272890
SNP_P1_53517_7673819	NC_021163.1	Ca_kabuli_chr04	7673819	AA	GG	1940272892
SNP_P1_53518_7674512	NC_021163.1	Ca_kabuli_chr04	7674512	AA	GG	1940272893
SNP_P1_53519_7676913	NC_021163.1	Ca_kabuli_chr04	7676913	AA	GG	1940272895
SNP_P1_53520_7676995	NC_021163.1	Ca_kabuli_chr04	7676995	AA	CC	1940272897
SNP_P1_53523_7697608	NC_021163.1	Ca_kabuli_chr04	7697608	AA	CC	1940272899
SNP_P1_53524_7703753	NC_021163.1	Ca_kabuli_chr04	7703753	TT	GG	1940272901
SNP_P1_53525_7703764	NC_021163.1	Ca_kabuli_chr04	7703764	AA	TT	1940272902
SNP_P1_53527_7713065	NC_021163.1	Ca_kabuli_chr04	7713065	GG	AA	1940272904
SNP_P1_53531_7793987	NC_021163.1	Ca_kabuli_chr04	7793987	CC	TT	1940272906
SNP_P1_53532_7855072	NC_021163.1	Ca_kabuli_chr04	7855072	CC	TT	1940272907
SNP_P1_53533_7864820	NC_021163.1	Ca_kabuli_chr04	7864820	TT	CC	1940272909
SNP_P1_53534_7893772	NC_021163.1	Ca_kabuli_chr04	7893772	CC	TT	1940272911

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53537_7940598	NC_021163.1	Ca_kabuli_chr04	7940598	TT	AA	1940272914
SNP_P1_53538_7940922	NC_021163.1	Ca_kabuli_chr04	7940922	CC	TT	1940272915
SNP_P1_53539_7943002	NC_021163.1	Ca_kabuli_chr04	7943002	TT	CC	1940272916
SNP_P1_53540_7943887	NC_021163.1	Ca_kabuli_chr04	7943887	AA	TT	1940272918
SNP_P1_53542_7976159	NC_021163.1	Ca_kabuli_chr04	7976159	TT	CC	1940272919
SNP_P1_53543_7978333	NC_021163.1	Ca_kabuli_chr04	7978333	CC	TT	1940272920
SNP_P1_53544_7997655	NC_021163.1	Ca_kabuli_chr04	7997655	GG	AA	1940272922
SNP_P1_53545_8008927	NC_021163.1	Ca_kabuli_chr04	8008927	TT	AA	1940272923
SNP_P1_53546_8020359	NC_021163.1	Ca_kabuli_chr04	8020359	AA	CC	1940272925
SNP_P1_53548_8035132	NC_021163.1	Ca_kabuli_chr04	8035132	CC	GG	1940272926
SNP_P1_53550_8057447	NC_021163.1	Ca_kabuli_chr04	8057447	TT	CC	1940272928
SNP_P1_53551_8058046	NC_021163.1	Ca_kabuli_chr04	8058046	AA	GG	1940272930
SNP_P1_53553_8064971	NC_021163.1	Ca_kabuli_chr04	8064971	TT	AA	1940272931
SNP_P1_53554_8076944	NC_021163.1	Ca_kabuli_chr04	8076944	AA	TT	1940272933
SNP_P1_53557_8109633	NC_021163.1	Ca_kabuli_chr04	8109633	GG	AA	1940272934
SNP_P1_53560_8161122	NC_021163.1	Ca_kabuli_chr04	8161122	TT	CC	1940272936
SNP_P1_53561_8167249	NC_021163.1	Ca_kabuli_chr04	8167249	CC	TT	1940272937
SNP_P1_53562_8167279	NC_021163.1	Ca_kabuli_chr04	8167279	TT	GG	1940272939
SNP_P1_53563_8167365	NC_021163.1	Ca_kabuli_chr04	8167365	TT	CC	1940272940
SNP_P1_53564_8167643	NC_021163.1	Ca_kabuli_chr04	8167643	TT	CC	1940272942
SNP_P1_53565_8168406	NC_021163.1	Ca_kabuli_chr04	8168406	AA	GG	1940272943
SNP_P1_53566_8168418	NC_021163.1	Ca_kabuli_chr04	8168418	AA	GG	1940272944
SNP_P1_53568_8169328	NC_021163.1	Ca_kabuli_chr04	8169328	AA	TT	1940272946
SNP_P1_53569_8169329	NC_021163.1	Ca_kabuli_chr04	8169329	CC	AA	1940272947
SNP_P1_53570_8169375	NC_021163.1	Ca_kabuli_chr04	8169375	TT	CC	1940272949
SNP_P1_53571_8169421	NC_021163.1	Ca_kabuli_chr04	8169421	AA	GG	1940272950
SNP_P1_53573_8169443	NC_021163.1	Ca_kabuli_chr04	8169443	AA	TT	1940272951
SNP_P1_53574_8169528	NC_021163.1	Ca_kabuli_chr04	8169528	GG	CC	1940272953
SNP_P1_53575_8169532	NC_021163.1	Ca_kabuli_chr04	8169532	GG	AA	1940272954
SNP_P1_53576_8169537	NC_021163.1	Ca_kabuli_chr04	8169537	AA	GG	1940272956
SNP_P1_53577_8169541	NC_021163.1	Ca_kabuli_chr04	8169541	AA	GG	1940272957
SNP_P1_53578_8169547	NC_021163.1	Ca_kabuli_chr04	8169547	TT	CC	1940272959
SNP_P1_53579_8169561	NC_021163.1	Ca_kabuli_chr04	8169561	GG	CC	1940272960
SNP_P1_53580_8169607	NC_021163.1	Ca_kabuli_chr04	8169607	CC	TT	1940272961
SNP_P1_53582_8169646	NC_021163.1	Ca_kabuli_chr04	8169646	GG	TT	1940272963
SNP_P1_53583_8169659	NC_021163.1	Ca_kabuli_chr04	8169659	TT	CC	1940272964
SNP_P1_53584_8169683	NC_021163.1	Ca_kabuli_chr04	8169683	AA	GG	1940272966
SNP_P1_53585_8169693	NC_021163.1	Ca_kabuli_chr04	8169693	TT	CC	1940272967
SNP_P1_53586_8170000	NC_021163.1	Ca_kabuli_chr04	8170000	GG	TT	1940272968
SNP_P1_53587_8170105	NC_021163.1	Ca_kabuli_chr04	8170105	TT	CC	1940272970
SNP_P1_53589_8170295	NC_021163.1	Ca_kabuli_chr04	8170295	CC	AA	1940272972

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53591_8170301	NC_021163.1	Ca_kabuli_chr04	8170301	AA	CC	1940272975
SNP_P1_53592_8170312	NC_021163.1	Ca_kabuli_chr04	8170312	GG	AA	1940272977
SNP_P1_53593_8170363	NC_021163.1	Ca_kabuli_chr04	8170363	CC	TT	1940272978
SNP_P1_53594_8170451	NC_021163.1	Ca_kabuli_chr04	8170451	AA	CC	1940272980
SNP_P1_53595_8170794	NC_021163.1	Ca_kabuli_chr04	8170794	CC	TT	1940272981
SNP_P1_53596_8170799	NC_021163.1	Ca_kabuli_chr04	8170799	TT	AA	1940272983
SNP_P1_53597_8171526	NC_021163.1	Ca_kabuli_chr04	8171526	TT	GG	1940272985
SNP_P1_53598_8171538	NC_021163.1	Ca_kabuli_chr04	8171538	CC	TT	1940272986
SNP_P1_53600_8171902	NC_021163.1	Ca_kabuli_chr04	8171902	CC	TT	1940272988
SNP_P1_53601_8172155	NC_021163.1	Ca_kabuli_chr04	8172155	AA	TT	1940272990
SNP_P1_53603_8173166	NC_021163.1	Ca_kabuli_chr04	8173166	CC	TT	1940272991
SNP_P1_53604_8173838	NC_021163.1	Ca_kabuli_chr04	8173838	AA	TT	1940272993
SNP_P1_53605_8173863	NC_021163.1	Ca_kabuli_chr04	8173863	CC	GG	1940272995
SNP_P1_53606_8175858	NC_021163.1	Ca_kabuli_chr04	8175858	GG	AA	1940272997
SNP_P1_53607_8175872	NC_021163.1	Ca_kabuli_chr04	8175872	TT	CC	1940272998
SNP_P1_53608_8176091	NC_021163.1	Ca_kabuli_chr04	8176091	GG	CC	1940273000
SNP_P1_53609_8176092	NC_021163.1	Ca_kabuli_chr04	8176092	GG	CC	1940273001
SNP_P1_53610_8176308	NC_021163.1	Ca_kabuli_chr04	8176308	TT	CC	1940273003
SNP_P1_53612_8181758	NC_021163.1	Ca_kabuli_chr04	8181758	GG	AA	1940273004
SNP_P1_53614_8182707	NC_021163.1	Ca_kabuli_chr04	8182707	CC	TT	1940273006
SNP_P1_53616_8183860	NC_021163.1	Ca_kabuli_chr04	8183860	TT	AA	1940273008
SNP_P1_53619_8184895	NC_021163.1	Ca_kabuli_chr04	8184895	TT	CC	1940273009
SNP_P1_53620_8185613	NC_021163.1	Ca_kabuli_chr04	8185613	AA	GG	1940273011
SNP_P1_53621_8185722	NC_021163.1	Ca_kabuli_chr04	8185722	CC	TT	1940273012
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SNP_P1_53632_8196022	NC_021163.1	Ca_kabuli_chr04	8196022	AA	GG	1940273017
SNP_P1_53633_8196403	NC_021163.1	Ca_kabuli_chr04	8196403	TT	CC	1940273019
SNP_P1_53634_8197897	NC_021163.1	Ca_kabuli_chr04	8197897	AA	GG	1940273020
SNP_P1_53635_8198001	NC_021163.1	Ca_kabuli_chr04	8198001	TT	AA	1940273022
SNP_P1_53636_8198719	NC_021163.1	Ca_kabuli_chr04	8198719	GG	CC	1940273024
SNP_P1_53638_8199356	NC_021163.1	Ca_kabuli_chr04	8199356	AA	GG	1940273025
SNP_P1_53639_8199387	NC_021163.1	Ca_kabuli_chr04	8199387	GG	AA	1940273027
SNP_P1_53640_8199623	NC_021163.1	Ca_kabuli_chr04	8199623	GG	CC	1940273028
SNP_P1_53641_8199667	NC_021163.1	Ca_kabuli_chr04	8199667	AA	GG	1940273030
SNP_P1_53642_8199784	NC_021163.1	Ca_kabuli_chr04	8199784	TT	CC	1940273032
SNP_P1_53643_8200014	NC_021163.1	Ca_kabuli_chr04	8200014	GG	AA	1940273033
SNP_P1_53644_8200017	NC_021163.1	Ca_kabuli_chr04	8200017	GG	AA	1940273035
SNP_P1_53645_8200027	NC_021163.1	Ca_kabuli_chr04	8200027	GG	AA	1940273036
SNP_P1_53646_8200032	NC_021163.1	Ca_kabuli_chr04	8200032	GG	AA	1940273038
SNP_P1_53647_8200067	NC_021163.1	Ca_kabuli_chr04	8200067	CC	TT	1940273040

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53649_8200984	NC_021163.1	Ca_kabuli_chr04	8200984	TT	AA	1940273043
SNP_P1_53650_8201008	NC_021163.1	Ca_kabuli_chr04	8201008	TT	CC	1940273045
SNP_P1_53651_8201010	NC_021163.1	Ca_kabuli_chr04	8201010	GG	AA	1940273046
SNP_P1_53652_8201086	NC_021163.1	Ca_kabuli_chr04	8201086	CC	AA	1940273048
SNP_P1_53654_8201227	NC_021163.1	Ca_kabuli_chr04	8201227	AA	TT	1940273049
SNP_P1_53655_8201258	NC_021163.1	Ca_kabuli_chr04	8201258	AA	CC	1940273051
SNP_P1_53656_8201271	NC_021163.1	Ca_kabuli_chr04	8201271	AA	GG	1940273053
SNP_P1_53657_8201283	NC_021163.1	Ca_kabuli_chr04	8201283	AA	GG	1940273054
SNP_P1_53658_8201285	NC_021163.1	Ca_kabuli_chr04	8201285	TT	GG	1940273056
SNP_P1_53659_8201322	NC_021163.1	Ca_kabuli_chr04	8201322	CC	TT	1940273057
SNP_P1_53660_8201326	NC_021163.1	Ca_kabuli_chr04	8201326	GG	AA	1940273059
SNP_P1_53661_8201366	NC_021163.1	Ca_kabuli_chr04	8201366	AA	GG	1940273061
SNP_P1_53662_8201367	NC_021163.1	Ca_kabuli_chr04	8201367	AA	GG	1940273062
SNP_P1_53663_8201650	NC_021163.1	Ca_kabuli_chr04	8201650	TT	CC	1940273064
SNP_P1_53664_8201924	NC_021163.1	Ca_kabuli_chr04	8201924	GG	TT	1940273065
SNP_P1_53665_8201937	NC_021163.1	Ca_kabuli_chr04	8201937	GG	AA	1940273067
SNP_P1_53666_8202775	NC_021163.1	Ca_kabuli_chr04	8202775	AA	CC	1940273068
SNP_P1_53667_8202782	NC_021163.1	Ca_kabuli_chr04	8202782	AA	TT	1940273070
SNP_P1_53669_8203077	NC_021163.1	Ca_kabuli_chr04	8203077	AA	GG	1940273072
SNP_P1_53670_8205046	NC_021163.1	Ca_kabuli_chr04	8205046	TT	AA	1940273073
SNP_P1_53671_8205253	NC_021163.1	Ca_kabuli_chr04	8205253	CC	AA	1940273075
SNP_P1_53672_8205254	NC_021163.1	Ca_kabuli_chr04	8205254	GG	TT	1940273076
SNP_P1_53674_8206396	NC_021163.1	Ca_kabuli_chr04	8206396	AA	GG	1940273078
SNP_P1_53675_8207169	NC_021163.1	Ca_kabuli_chr04	8207169	TT	AA	1940273080
SNP_P1_53676_8207691	NC_021163.1	Ca_kabuli_chr04	8207691	GG	AA	1940273081
SNP_P1_53677_8207767	NC_021163.1	Ca_kabuli_chr04	8207767	GG	AA	1940273083
SNP_P1_53678_8207841	NC_021163.1	Ca_kabuli_chr04	8207841	CC	AA	1940273085
SNP_P1_53680_8207863	NC_021163.1	Ca_kabuli_chr04	8207863	CC	AA	1940273086
SNP_P1_53681_8208010	NC_021163.1	Ca_kabuli_chr04	8208010	CC	TT	1940273088
SNP_P1_53682_8208014	NC_021163.1	Ca_kabuli_chr04	8208014	CC	TT	1940273089
SNP_P1_53683_8208020	NC_021163.1	Ca_kabuli_chr04	8208020	TT	CC	1940273091
SNP_P1_53684_8208049	NC_021163.1	Ca_kabuli_chr04	8208049	GG	CC	1940273093
SNP_P1_53685_8208534	NC_021163.1	Ca_kabuli_chr04	8208534	CC	TT	1940273094
SNP_P1_53686_8208738	NC_021163.1	Ca_kabuli_chr04	8208738	AA	GG	1940273096
SNP_P1_53688_8208766	NC_021163.1	Ca_kabuli_chr04	8208766	CC	GG	1940273097
SNP_P1_53689_8209048	NC_021163.1	Ca_kabuli_chr04	8209048	CC	TT	1940273099
SNP_P1_53690_8209202	NC_021163.1	Ca_kabuli_chr04	8209202	TT	CC	1940273101
SNP_P1_53691_8209240	NC_021163.1	Ca_kabuli_chr04	8209240	AA	GG	1940273102
SNP_P1_53692_8209315	NC_021163.1	Ca_kabuli_chr04	8209315	AA	TT	1940273104
SNP_P1_53693_8209544	NC_021163.1	Ca_kabuli_chr04	8209544	GG	AA	1940273105
SNP_P1_53694_8209553	NC_021163.1	Ca_kabuli_chr04	8209553	AA	GG	1940273107

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53696_8209576	NC_021163.1	Ca_kabuli_chr04	8209576	AA	GG	1940273110
SNP_P1_53697_8209594	NC_021163.1	Ca_kabuli_chr04	8209594	GG	AA	1940273112
SNP_P1_53699_8210279	NC_021163.1	Ca_kabuli_chr04	8210279	AA	GG	1940273113
SNP_P1_53700_8210443	NC_021163.1	Ca_kabuli_chr04	8210443	TT	GG	1940273115
SNP_P1_53702_8211570	NC_021163.1	Ca_kabuli_chr04	8211570	GG	AA	1940273117
SNP_P1_53703_8212312	NC_021163.1	Ca_kabuli_chr04	8212312	TT	AA	1940273120
SNP_P1_53704_8212326	NC_021163.1	Ca_kabuli_chr04	8212326	AA	GG	1940273123
SNP_P1_53705_8212489	NC_021163.1	Ca_kabuli_chr04	8212489	CC	TT	1940273125
SNP_P1_53706_8214279	NC_021163.1	Ca_kabuli_chr04	8214279	TT	AA	1940273128
SNP_P1_53707_8214486	NC_021163.1	Ca_kabuli_chr04	8214486	CC	GG	1940273130
SNP_P1_53708_8214727	NC_021163.1	Ca_kabuli_chr04	8214727	AA	GG	1940273133
SNP_P1_53709_8214742	NC_021163.1	Ca_kabuli_chr04	8214742	AA	CC	1940273136
SNP_P1_53710_8214848	NC_021163.1	Ca_kabuli_chr04	8214848	TT	GG	1940273138
SNP_P1_53712_8215045	NC_021163.1	Ca_kabuli_chr04	8215045	AA	TT	1940273141
SNP_P1_53713_8215162	NC_021163.1	Ca_kabuli_chr04	8215162	CC	TT	1940273143
SNP_P1_53714_8215898	NC_021163.1	Ca_kabuli_chr04	8215898	CC	TT	1940273146
SNP_P1_53715_8216105	NC_021163.1	Ca_kabuli_chr04	8216105	AA	GG	1940273148
SNP_P1_53717_8216158	NC_021163.1	Ca_kabuli_chr04	8216158	CC	TT	1940273149
SNP_P1_53718_8216182	NC_021163.1	Ca_kabuli_chr04	8216182	GG	CC	1940273151
SNP_P1_53719_8216330	NC_021163.1	Ca_kabuli_chr04	8216330	GG	AA	1940273152
SNP_P1_53720_8216516	NC_021163.1	Ca_kabuli_chr04	8216516	CC	GG	1940273154
SNP_P1_53724_8217067	NC_021163.1	Ca_kabuli_chr04	8217067	GG	AA	1940273155
SNP_P1_53725_8217130	NC_021163.1	Ca_kabuli_chr04	8217130	CC	TT	1940273157
SNP_P1_53726_8217150	NC_021163.1	Ca_kabuli_chr04	8217150	AA	GG	1940273158
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SNP_P1_53729_8220339	NC_021163.1	Ca_kabuli_chr04	8220339	AA	GG	1940273163
SNP_P1_53731_8220517	NC_021163.1	Ca_kabuli_chr04	8220517	AA	GG	1940273165
SNP_P1_53732_8220527	NC_021163.1	Ca_kabuli_chr04	8220527	AA	GG	1940273167
SNP_P1_53733_8220543	NC_021163.1	Ca_kabuli_chr04	8220543	GG	CC	1940273168
SNP_P1_53734_8220552	NC_021163.1	Ca_kabuli_chr04	8220552	TT	AA	1940273170
SNP_P1_53735_8220719	NC_021163.1	Ca_kabuli_chr04	8220719	GG	AA	1940273172
SNP_P1_53736_8220927	NC_021163.1	Ca_kabuli_chr04	8220927	AA	GG	1940273173
SNP_P1_53740_8221628	NC_021163.1	Ca_kabuli_chr04	8221628	GG	AA	1940273175
SNP_P1_53741_8221654	NC_021163.1	Ca_kabuli_chr04	8221654	AA	GG	1940273177
SNP_P1_53744_8221945	NC_021163.1	Ca_kabuli_chr04	8221945	AA	TT	1940273178
SNP_P1_53745_8221991	NC_021163.1	Ca_kabuli_chr04	8221991	TT	GG	1940273180
SNP_P1_53747_8222710	NC_021163.1	Ca_kabuli_chr04	8222710	TT	AA	1940273181
SNP_P1_53748_8222718	NC_021163.1	Ca_kabuli_chr04	8222718	CC	TT	1940273183
SNP_P1_53750_8223156	NC_021163.1	Ca_kabuli_chr04	8223156	GG	AA	1940273184
SNP_P1_53751_8223228	NC_021163.1	Ca_kabuli_chr04	8223228	AA	GG	1940273186

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53753_8223339	NC_021163.1	Ca_kabuli_chr04	8223339	TT	CC	1940273189
SNP_P1_53754_8223540	NC_021163.1	Ca_kabuli_chr04	8223540	GG	AA	1940273191
SNP_P1_53756_8223686	NC_021163.1	Ca_kabuli_chr04	8223686	GG	TT	1940273193
SNP_P1_53757_8223771	NC_021163.1	Ca_kabuli_chr04	8223771	CC	TT	1940273194
SNP_P1_53759_8225391	NC_021163.1	Ca_kabuli_chr04	8225391	GG	AA	1940273196
SNP_P1_53760_8226051	NC_021163.1	Ca_kabuli_chr04	8226051	CC	GG	1940273197
SNP_P1_53761_8226265	NC_021163.1	Ca_kabuli_chr04	8226265	CC	TT	1940273199
SNP_P1_53763_8226743	NC_021163.1	Ca_kabuli_chr04	8226743	CC	AA	1940273200
SNP_P1_53764_8226833	NC_021163.1	Ca_kabuli_chr04	8226833	CC	TT	1940273202
SNP_P1_53765_8226871	NC_021163.1	Ca_kabuli_chr04	8226871	CC	TT	1940273204
SNP_P1_53766_8229143	NC_021163.1	Ca_kabuli_chr04	8229143	AA	GG	1940273205
SNP_P1_53767_8229352	NC_021163.1	Ca_kabuli_chr04	8229352	TT	CC	1940273207
SNP_P1_53769_8230413	NC_021163.1	Ca_kabuli_chr04	8230413	CC	AA	1940273208
SNP_P1_53770_8230551	NC_021163.1	Ca_kabuli_chr04	8230551	TT	CC	1940273210
SNP_P1_53771_8230632	NC_021163.1	Ca_kabuli_chr04	8230632	TT	GG	1940273211
SNP_P1_53772_8230760	NC_021163.1	Ca_kabuli_chr04	8230760	TT	CC	1940273213
SNP_P1_53773_8230907	NC_021163.1	Ca_kabuli_chr04	8230907	TT	AA	1940273214
SNP_P1_53774_8230922	NC_021163.1	Ca_kabuli_chr04	8230922	TT	CC	1940273216
SNP_P1_53775_8230947	NC_021163.1	Ca_kabuli_chr04	8230947	AA	GG	1940273217
SNP_P1_53776_8230948	NC_021163.1	Ca_kabuli_chr04	8230948	GG	AA	1940273218
SNP_P1_53777_8230957	NC_021163.1	Ca_kabuli_chr04	8230957	CC	GG	1940273220
SNP_P1_53778_8230962	NC_021163.1	Ca_kabuli_chr04	8230962	TT	CC	1940273221
SNP_P1_53779_8231134	NC_021163.1	Ca_kabuli_chr04	8231134	GG	AA	1940273223
SNP_P1_53780_8232297	NC_021163.1	Ca_kabuli_chr04	8232297	GG	AA	1940273224
SNP_P1_53781_8232338	NC_021163.1	Ca_kabuli_chr04	8232338	GG	AA	1940273226
SNP_P1_53784_8232647	NC_021163.1	Ca_kabuli_chr04	8232647	AA	GG	1940273227
SNP_P1_53785_8232679	NC_021163.1	Ca_kabuli_chr04	8232679	CC	TT	1940273229
SNP_P1_53786_8232717	NC_021163.1	Ca_kabuli_chr04	8232717	CC	TT	1940273230
SNP_P1_53787_8232729	NC_021163.1	Ca_kabuli_chr04	8232729	TT	AA	1940273231
SNP_P1_53788_8232743	NC_021163.1	Ca_kabuli_chr04	8232743	GG	CC	1940273232
SNP_P1_53789_8232783	NC_021163.1	Ca_kabuli_chr04	8232783	CC	TT	1940273234
SNP_P1_53791_8236760	NC_021163.1	Ca_kabuli_chr04	8236760	AA	GG	1940273235
SNP_P1_53792_8237655	NC_021163.1	Ca_kabuli_chr04	8237655	CC	AA	1940273236
SNP_P1_53793_8238090	NC_021163.1	Ca_kabuli_chr04	8238090	TT	AA	1940273238
SNP_P1_53794_8238145	NC_021163.1	Ca_kabuli_chr04	8238145	AA	TT	1940273239
SNP_P1_53795_8238198	NC_021163.1	Ca_kabuli_chr04	8238198	CC	TT	1940273240
SNP_P1_53798_8240408	NC_021163.1	Ca_kabuli_chr04	8240408	AA	GG	1940273242
SNP_P1_53799_8240938	NC_021163.1	Ca_kabuli_chr04	8240938	CC	TT	1940273243
SNP_P1_53801_8241635	NC_021163.1	Ca_kabuli_chr04	8241635	GG	AA	1940273244
SNP_P1_53803_8253171	NC_021163.1	Ca_kabuli_chr04	8253171	AA	GG	1940273245
SNP_P1_53804_8253831	NC_021163.1	Ca_kabuli_chr04	8253831	GG	AA	1940273247

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53806_8254028	NC_021163.1	Ca_kabuli_chr04	8254028	AA	GG	1940273249
SNP_P1_53807_8256356	NC_021163.1	Ca_kabuli_chr04	8256356	GG	TT	1940273250
SNP_P1_53808_8256539	NC_021163.1	Ca_kabuli_chr04	8256539	CC	TT	1940273252
SNP_P1_53809_8256679	NC_021163.1	Ca_kabuli_chr04	8256679	CC	AA	1940273253
SNP_P1_53810_8256855	NC_021163.1	Ca_kabuli_chr04	8256855	CC	TT	1940273254
SNP_P1_53811_8257982	NC_021163.1	Ca_kabuli_chr04	8257982	CC	TT	1940273256
SNP_P1_53812_8264040	NC_021163.1	Ca_kabuli_chr04	8264040	AA	GG	1940273257
SNP_P1_53813_8264881	NC_021163.1	Ca_kabuli_chr04	8264881	AA	GG	1940273258
SNP_P1_53814_8264935	NC_021163.1	Ca_kabuli_chr04	8264935	GG	AA	1940273260
SNP_P1_53816_8268217	NC_021163.1	Ca_kabuli_chr04	8268217	AA	GG	1940273261
SNP_P1_53817_8268498	NC_021163.1	Ca_kabuli_chr04	8268498	CC	TT	1940273262
SNP_P1_53818_8269347	NC_021163.1	Ca_kabuli_chr04	8269347	GG	CC	1940273264
SNP_P1_53819_8269417	NC_021163.1	Ca_kabuli_chr04	8269417	AA	GG	1940273265
SNP_P1_53820_8271998	NC_021163.1	Ca_kabuli_chr04	8271998	CC	TT	1940273266
SNP_P1_53821_8274301	NC_021163.1	Ca_kabuli_chr04	8274301	GG	AA	1940273267
SNP_P1_53822_8274582	NC_021163.1	Ca_kabuli_chr04	8274582	AA	GG	1940273269
SNP_P1_53823_8275233	NC_021163.1	Ca_kabuli_chr04	8275233	AA	TT	1940273270
SNP_P1_53824_8275460	NC_021163.1	Ca_kabuli_chr04	8275460	CC	AA	1940273271
SNP_P1_53825_8276828	NC_021163.1	Ca_kabuli_chr04	8276828	CC	TT	1940273272
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SNP_P1_53827_8277150	NC_021163.1	Ca_kabuli_chr04	8277150	CC	GG	1940273275
SNP_P1_53828_8280142	NC_021163.1	Ca_kabuli_chr04	8280142	TT	CC	1940273276
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SNP_P1_53831_8280445	NC_021163.1	Ca_kabuli_chr04	8280445	TT	CC	1940273279
SNP_P1_53832_8280902	NC_021163.1	Ca_kabuli_chr04	8280902	CC	AA	1940273280
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SNP_P1_53837_8281061	NC_021163.1	Ca_kabuli_chr04	8281061	CC	AA	1940273285
SNP_P1_53838_8281158	NC_021163.1	Ca_kabuli_chr04	8281158	TT	AA	1940273287
SNP_P1_53839_8281166	NC_021163.1	Ca_kabuli_chr04	8281166	TT	GG	1940273288
SNP_P1_53840_8281285	NC_021163.1	Ca_kabuli_chr04	8281285	CC	TT	1940273289
SNP_P1_53841_8281311	NC_021163.1	Ca_kabuli_chr04	8281311	GG	AA	1940273290
SNP_P1_53843_8281340	NC_021163.1	Ca_kabuli_chr04	8281340	TT	CC	1940273292
SNP_P1_53844_8283190	NC_021163.1	Ca_kabuli_chr04	8283190	AA	GG	1940273293
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SNP_P1_53850_8292362	NC_021163.1	Ca_kabuli_chr04	8292362	TT	GG	1940273300
SNP_P1_53851_8292387	NC_021163.1	Ca_kabuli_chr04	8292387	TT	CC	1940273302

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53854_8292426	NC_021163.1	Ca_kabuli_chr04	8292426	CC	TT	1940273308
SNP_P1_53855_8292522	NC_021163.1	Ca_kabuli_chr04	8292522	GG	AA	1940273311
SNP_P1_53856_8292645	NC_021163.1	Ca_kabuli_chr04	8292645	CC	TT	1940273313
SNP_P1_53857_8292675	NC_021163.1	Ca_kabuli_chr04	8292675	GG	AA	1940273316
SNP_P1_53858_8292716	NC_021163.1	Ca_kabuli_chr04	8292716	GG	AA	1940273318
SNP_P1_53859_8292722	NC_021163.1	Ca_kabuli_chr04	8292722	TT	GG	1940273320
SNP_P1_53862_8293502	NC_021163.1	Ca_kabuli_chr04	8293502	AA	TT	1940273322
SNP_P1_53863_8293516	NC_021163.1	Ca_kabuli_chr04	8293516	TT	CC	1940273323
SNP_P1_53864_8293521	NC_021163.1	Ca_kabuli_chr04	8293521	CC	TT	1940273325
SNP_P1_53865_8293584	NC_021163.1	Ca_kabuli_chr04	8293584	TT	CC	1940273327
SNP_P1_53866_8293589	NC_021163.1	Ca_kabuli_chr04	8293589	TT	AA	1940273329
SNP_P1_53867_8293809	NC_021163.1	Ca_kabuli_chr04	8293809	AA	GG	1940273331
SNP_P1_53868_8293814	NC_021163.1	Ca_kabuli_chr04	8293814	CC	TT	1940273333
SNP_P1_53869_8293836	NC_021163.1	Ca_kabuli_chr04	8293836	AA	GG	1940273335
SNP_P1_53870_8293847	NC_021163.1	Ca_kabuli_chr04	8293847	AA	GG	1940273337
SNP_P1_53871_8294117	NC_021163.1	Ca_kabuli_chr04	8294117	GG	TT	1940273338
SNP_P1_53872_8294154	NC_021163.1	Ca_kabuli_chr04	8294154	GG	AA	1940273340
SNP_P1_53873_8294160	NC_021163.1	Ca_kabuli_chr04	8294160	CC	TT	1940273342
SNP_P1_53874_8294182	NC_021163.1	Ca_kabuli_chr04	8294182	TT	GG	1940273344
SNP_P1_53875_8294225	NC_021163.1	Ca_kabuli_chr04	8294225	CC	AA	1940273346
SNP_P1_53876_8295398	NC_021163.1	Ca_kabuli_chr04	8295398	TT	CC	1940273348
SNP_P1_53878_8296019	NC_021163.1	Ca_kabuli_chr04	8296019	GG	AA	1940273350
SNP_P1_53879_8296400	NC_021163.1	Ca_kabuli_chr04	8296400	TT	CC	1940273351
SNP_P1_53880_8296892	NC_021163.1	Ca_kabuli_chr04	8296892	AA	TT	1940273352
SNP_P1_53881_8297035	NC_021163.1	Ca_kabuli_chr04	8297035	GG	AA	1940273354
SNP_P1_53882_8297112	NC_021163.1	Ca_kabuli_chr04	8297112	TT	AA	1940273355
SNP_P1_53883_8297167	NC_021163.1	Ca_kabuli_chr04	8297167	TT	CC	1940273356
SNP_P1_53884_8298687	NC_021163.1	Ca_kabuli_chr04	8298687	AA	GG	1940273358
SNP_P1_53887_8300554	NC_021163.1	Ca_kabuli_chr04	8300554	TT	CC	1940273359
SNP_P1_53888_8300584	NC_021163.1	Ca_kabuli_chr04	8300584	AA	GG	1940273361
SNP_P1_53889_8300675	NC_021163.1	Ca_kabuli_chr04	8300675	CC	TT	1940273362
SNP_P1_53890_8301265	NC_021163.1	Ca_kabuli_chr04	8301265	GG	TT	1940273363
SNP_P1_53891_8301270	NC_021163.1	Ca_kabuli_chr04	8301270	AA	GG	1940273365
SNP_P1_53892_8303783	NC_021163.1	Ca_kabuli_chr04	8303783	AA	CC	1940273366
SNP_P1_53893_8303810	NC_021163.1	Ca_kabuli_chr04	8303810	CC	GG	1940273367
SNP_P1_53897_8307721	NC_021163.1	Ca_kabuli_chr04	8307721	AA	GG	1940273369
SNP_P1_53898_8307763	NC_021163.1	Ca_kabuli_chr04	8307763	TT	AA	1940273370
SNP_P1_53899_8307999	NC_021163.1	Ca_kabuli_chr04	8307999	GG	AA	1940273371
SNP_P1_53900_8308261	NC_021163.1	Ca_kabuli_chr04	8308261	CC	AA	1940273373
SNP_P1_53902_8308913	NC_021163.1	Ca_kabuli_chr04	8308913	GG	AA	1940273374

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53904_8309060	NC_021163.1	Ca_kabuli_chr04	8309060	AA	TT	1940273377
SNP_P1_53906_8309253	NC_021163.1	Ca_kabuli_chr04	8309253	CC	TT	1940273379
SNP_P1_53908_8310588	NC_021163.1	Ca_kabuli_chr04	8310588	GG	CC	1940273380
SNP_P1_53909_8310881	NC_021163.1	Ca_kabuli_chr04	8310881	AA	GG	1940273382
SNP_P1_53910_8310897	NC_021163.1	Ca_kabuli_chr04	8310897	AA	TT	1940273383
SNP_P1_53912_8310965	NC_021163.1	Ca_kabuli_chr04	8310965	GG	AA	1940273385
SNP_P1_53913_8310975	NC_021163.1	Ca_kabuli_chr04	8310975	TT	AA	1940273387
SNP_P1_53914_8311163	NC_021163.1	Ca_kabuli_chr04	8311163	GG	AA	1940273388
SNP_P1_53915_8311181	NC_021163.1	Ca_kabuli_chr04	8311181	AA	GG	1940273389
SNP_P1_53916_8311193	NC_021163.1	Ca_kabuli_chr04	8311193	CC	AA	1940273391
SNP_P1_53917_8311211	NC_021163.1	Ca_kabuli_chr04	8311211	CC	AA	1940273392
SNP_P1_53918_8311455	NC_021163.1	Ca_kabuli_chr04	8311455	GG	AA	1940273394
SNP_P1_53919_8311757	NC_021163.1	Ca_kabuli_chr04	8311757	TT	AA	1940273395
SNP_P1_53921_8311826	NC_021163.1	Ca_kabuli_chr04	8311826	CC	TT	1940273397
SNP_P1_53923_8312002	NC_021163.1	Ca_kabuli_chr04	8312002	CC	TT	1940273398
SNP_P1_53924_8312413	NC_021163.1	Ca_kabuli_chr04	8312413	CC	AA	1940273399
SNP_P1_53925_8312415	NC_021163.1	Ca_kabuli_chr04	8312415	TT	CC	1940273401
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SNP_P1_53928_8312459	NC_021163.1	Ca_kabuli_chr04	8312459	CC	TT	1940273405
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SNP_P1_53930_8312482	NC_021163.1	Ca_kabuli_chr04	8312482	CC	AA	1940273408
SNP_P1_53931_8312496	NC_021163.1	Ca_kabuli_chr04	8312496	AA	GG	1940273409
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SNP_P1_53936_8314292	NC_021163.1	Ca_kabuli_chr04	8314292	CC	TT	1940273417
SNP_P1_53937_8314297	NC_021163.1	Ca_kabuli_chr04	8314297	TT	AA	1940273419
SNP_P1_53938_8314299	NC_021163.1	Ca_kabuli_chr04	8314299	AA	GG	1940273421
SNP_P1_53939_8314351	NC_021163.1	Ca_kabuli_chr04	8314351	TT	AA	1940273422
SNP_P1_53940_8314547	NC_021163.1	Ca_kabuli_chr04	8314547	CC	TT	1940273424
SNP_P1_53941_8314622	NC_021163.1	Ca_kabuli_chr04	8314622	TT	CC	1940273426
SNP_P1_53942_8314802	NC_021163.1	Ca_kabuli_chr04	8314802	GG	AA	1940273428
SNP_P1_53943_8315177	NC_021163.1	Ca_kabuli_chr04	8315177	CC	GG	1940273429
SNP_P1_53945_8315675	NC_021163.1	Ca_kabuli_chr04	8315675	AA	GG	1940273432
SNP_P1_53946_8315841	NC_021163.1	Ca_kabuli_chr04	8315841	TT	CC	1940273434
SNP_P1_53947_8315864	NC_021163.1	Ca_kabuli_chr04	8315864	CC	TT	1940273435
SNP_P1_53948_8315895	NC_021163.1	Ca_kabuli_chr04	8315895	GG	AA	1940273437
SNP_P1_53952_8316475	NC_021163.1	Ca_kabuli_chr04	8316475	TT	CC	1940273439
SNP_P1_53954_8316745	NC_021163.1	Ca_kabuli_chr04	8316745	AA	GG	1940273440

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_53957_8317776	NC_021163.1	Ca_kabuli_chr04	8317776	TT	GG	1940273445
SNP_P1_53958_8317879	NC_021163.1	Ca_kabuli_chr04	8317879	CC	TT	1940273447
SNP_P1_53959_8317924	NC_021163.1	Ca_kabuli_chr04	8317924	GG	AA	1940273448
SNP_P1_53960_8317952	NC_021163.1	Ca_kabuli_chr04	8317952	TT	GG	1940273450
SNP_P1_53964_8318186	NC_021163.1	Ca_kabuli_chr04	8318186	AA	GG	1940273451
SNP_P1_53965_8318240	NC_021163.1	Ca_kabuli_chr04	8318240	TT	AA	1940273453
SNP_P1_53966_8318307	NC_021163.1	Ca_kabuli_chr04	8318307	CC	TT	1940273455
SNP_P1_53967_8318344	NC_021163.1	Ca_kabuli_chr04	8318344	AA	CC	1940273456
SNP_P1_53969_8318402	NC_021163.1	Ca_kabuli_chr04	8318402	TT	CC	1940273458
SNP_P1_53970_8319437	NC_021163.1	Ca_kabuli_chr04	8319437	TT	AA	1940273459
SNP_P1_53971_8319467	NC_021163.1	Ca_kabuli_chr04	8319467	CC	TT	1940273461
SNP_P1_53972_8319490	NC_021163.1	Ca_kabuli_chr04	8319490	GG	AA	1940273463
SNP_P1_53973_8319511	NC_021163.1	Ca_kabuli_chr04	8319511	TT	CC	1940273464
SNP_P1_53974_8319519	NC_021163.1	Ca_kabuli_chr04	8319519	GG	AA	1940273466
SNP_P1_53976_8319638	NC_021163.1	Ca_kabuli_chr04	8319638	AA	CC	1940273467
SNP_P1_53977_8319743	NC_021163.1	Ca_kabuli_chr04	8319743	TT	GG	1940273469
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SNP_P1_53979_8320088	NC_021163.1	Ca_kabuli_chr04	8320088	AA	GG	1940273472
SNP_P1_53981_8320133	NC_021163.1	Ca_kabuli_chr04	8320133	AA	GG	1940273474
SNP_P1_53982_8320143	NC_021163.1	Ca_kabuli_chr04	8320143	CC	TT	1940273475
SNP_P1_53983_8320283	NC_021163.1	Ca_kabuli_chr04	8320283	AA	GG	1940273477
SNP_P1_53984_8320650	NC_021163.1	Ca_kabuli_chr04	8320650	AA	TT	1940273479
SNP_P1_53987_8320784	NC_021163.1	Ca_kabuli_chr04	8320784	AA	GG	1940273482
SNP_P1_53988_8321550	NC_021163.1	Ca_kabuli_chr04	8321550	AA	CC	1940273484
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SNP_P1_53992_8327840	NC_021163.1	Ca_kabuli_chr04	8327840	TT	CC	1940273490
SNP_P1_53993_8328170	NC_021163.1	Ca_kabuli_chr04	8328170	AA	TT	1940273493
SNP_P1_53994_8329365	NC_021163.1	Ca_kabuli_chr04	8329365	AA	TT	1940273495
SNP_P1_53996_8330033	NC_021163.1	Ca_kabuli_chr04	8330033	TT	AA	1940273496
SNP_P1_53997_8330735	NC_021163.1	Ca_kabuli_chr04	8330735	GG	CC	1940273498
SNP_P1_53998_8330757	NC_021163.1	Ca_kabuli_chr04	8330757	CC	AA	1940273500
SNP_P1_53999_8331244	NC_021163.1	Ca_kabuli_chr04	8331244	CC	TT	1940273501
SNP_P1_54001_8332120	NC_021163.1	Ca_kabuli_chr04	8332120	GG	CC	1940273503
SNP_P1_54002_8332383	NC_021163.1	Ca_kabuli_chr04	8332383	TT	CC	1940273504
SNP_P1_54004_8333148	NC_021163.1	Ca_kabuli_chr04	8333148	GG	AA	1940273507
SNP_P1_54005_8333240	NC_021163.1	Ca_kabuli_chr04	8333240	AA	TT	1940273509
SNP_P1_54006_8333316	NC_021163.1	Ca_kabuli_chr04	8333316	TT	AA	1940273512
SNP_P1_54007_8333387	NC_021163.1	Ca_kabuli_chr04	8333387	GG	AA	1940273514
SNP_P1_54009_8333489	NC_021163.1	Ca_kabuli_chr04	8333489	CC	AA	1940273517
SNP_P1_54011_8333869	NC_021163.1	Ca_kabuli_chr04	8333869	GG	AA	1940273519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54013_8334692	NC_021163.1	Ca_kabuli_chr04	8334692	CC	TT	1940273524
SNP_P1_54014_8334772	NC_021163.1	Ca_kabuli_chr04	8334772	GG	AA	1940273527
SNP_P1_54015_8339083	NC_021163.1	Ca_kabuli_chr04	8339083	CC	AA	1940273529
SNP_P1_54016_8339110	NC_021163.1	Ca_kabuli_chr04	8339110	CC	TT	1940273531
SNP_P1_54017_8339493	NC_021163.1	Ca_kabuli_chr04	8339493	GG	AA	1940273535
SNP_P1_54019_8340242	NC_021163.1	Ca_kabuli_chr04	8340242	AA	GG	1940273538
SNP_P1_54020_8341359	NC_021163.1	Ca_kabuli_chr04	8341359	CC	AA	1940273542
SNP_P1_54022_8343019	NC_021163.1	Ca_kabuli_chr04	8343019	TT	CC	1940273546
SNP_P1_54023_8343100	NC_021163.1	Ca_kabuli_chr04	8343100	AA	CC	1940273550
SNP_P1_54024_8343102	NC_021163.1	Ca_kabuli_chr04	8343102	AA	TT	1940273553
SNP_P1_54025_8343383	NC_021163.1	Ca_kabuli_chr04	8343383	CC	GG	1940273556
SNP_P1_54026_8343440	NC_021163.1	Ca_kabuli_chr04	8343440	CC	AA	1940273559
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SNP_P1_54029_8343839	NC_021163.1	Ca_kabuli_chr04	8343839	AA	TT	1940273567
SNP_P1_54030_8343865	NC_021163.1	Ca_kabuli_chr04	8343865	TT	AA	1940273570
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SNP_P1_54032_8344243	NC_021163.1	Ca_kabuli_chr04	8344243	AA	GG	1940273575
SNP_P1_54033_8344624	NC_021163.1	Ca_kabuli_chr04	8344624	CC	TT	1940273577
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SNP_P1_54041_8349539	NC_021163.1	Ca_kabuli_chr04	8349539	TT	AA	1940273591
SNP_P1_54044_8350573	NC_021163.1	Ca_kabuli_chr04	8350573	GG	TT	1940273592
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SNP_P1_54046_8350993	NC_021163.1	Ca_kabuli_chr04	8350993	CC	TT	1940273595
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SNP_P1_54051_8353238	NC_021163.1	Ca_kabuli_chr04	8353238	TT	CC	1940273604
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SNP_P1_54053_8353253	NC_021163.1	Ca_kabuli_chr04	8353253	AA	GG	1940273607
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SNP_P1_54056_8354854	NC_021163.1	Ca_kabuli_chr04	8354854	TT	CC	1940273612
SNP_P1_54058_8354959	NC_021163.1	Ca_kabuli_chr04	8354959	AA	GG	1940273613
SNP_P1_54059_8354992	NC_021163.1	Ca_kabuli_chr04	8354992	CC	TT	1940273615

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54062_8359190	NC_021163.1	Ca_kabuli_chr04	8359190	AA	GG	1940273619
SNP_P1_54063_8360408	NC_021163.1	Ca_kabuli_chr04	8360408	GG	AA	1940273621
SNP_P1_54064_8360438	NC_021163.1	Ca_kabuli_chr04	8360438	GG	CC	1940273622
SNP_P1_54065_8361616	NC_021163.1	Ca_kabuli_chr04	8361616	CC	TT	1940273624
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SNP_P1_54067_8370436	NC_021163.1	Ca_kabuli_chr04	8370436	CC	TT	1940273627
SNP_P1_54068_8370798	NC_021163.1	Ca_kabuli_chr04	8370798	AA	CC	1940273628
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SNP_P1_54083_8373346	NC_021163.1	Ca_kabuli_chr04	8373346	AA	TT	1940273646
SNP_P1_54085_8373664	NC_021163.1	Ca_kabuli_chr04	8373664	GG	AA	1940273648
SNP_P1_54087_8374914	NC_021163.1	Ca_kabuli_chr04	8374914	GG	AA	1940273649
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SNP_P1_54098_8377131	NC_021163.1	Ca_kabuli_chr04	8377131	GG	CC	1940273660
SNP_P1_54100_8377326	NC_021163.1	Ca_kabuli_chr04	8377326	CC	AA	1940273662
SNP_P1_54101_8377335	NC_021163.1	Ca_kabuli_chr04	8377335	CC	TT	1940273665
SNP_P1_54102_8377354	NC_021163.1	Ca_kabuli_chr04	8377354	AA	GG	1940273667
SNP_P1_54103_8377360	NC_021163.1	Ca_kabuli_chr04	8377360	TT	CC	1940273669
SNP_P1_54105_8377438	NC_021163.1	Ca_kabuli_chr04	8377438	GG	AA	1940273671
SNP_P1_54106_8377560	NC_021163.1	Ca_kabuli_chr04	8377560	TT	CC	1940273672
SNP_P1_54108_8377654	NC_021163.1	Ca_kabuli_chr04	8377654	CC	TT	1940273674
SNP_P1_54109_8377660	NC_021163.1	Ca_kabuli_chr04	8377660	TT	CC	1940273676
SNP_P1_54110_8377718	NC_021163.1	Ca_kabuli_chr04	8377718	AA	CC	1940273678
SNP_P1_54111_8377959	NC_021163.1	Ca_kabuli_chr04	8377959	AA	GG	1940273680
SNP_P1_54112_8379089	NC_021163.1	Ca_kabuli_chr04	8379089	AA	GG	1940273683

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54117_8383147	NC_021163.1	Ca_kabuli_chr04	8383147	AA	GG	1940273687
SNP_P1_54118_8383149	NC_021163.1	Ca_kabuli_chr04	8383149	GG	AA	1940273689
SNP_P1_54119_8383411	NC_021163.1	Ca_kabuli_chr04	8383411	CC	AA	1940273691
SNP_P1_54120_8383412	NC_021163.1	Ca_kabuli_chr04	8383412	AA	CC	1940273693
SNP_P1_54121_8384595	NC_021163.1	Ca_kabuli_chr04	8384595	AA	GG	1940273695
SNP_P1_54122_8384649	NC_021163.1	Ca_kabuli_chr04	8384649	GG	AA	1940273697
SNP_P1_54124_8386391	NC_021163.1	Ca_kabuli_chr04	8386391	CC	AA	1940273698
SNP_P1_54126_8388301	NC_021163.1	Ca_kabuli_chr04	8388301	TT	AA	1940273700
SNP_P1_54127_8389543	NC_021163.1	Ca_kabuli_chr04	8389543	AA	GG	1940273702
SNP_P1_54129_8389836	NC_021163.1	Ca_kabuli_chr04	8389836	AA	GG	1940273703
SNP_P1_54130_8389853	NC_021163.1	Ca_kabuli_chr04	8389853	TT	AA	1940273705
SNP_P1_54131_8389855	NC_021163.1	Ca_kabuli_chr04	8389855	TT	AA	1940273706
SNP_P1_54132_8390461	NC_021163.1	Ca_kabuli_chr04	8390461	AA	CC	1940273707
SNP_P1_54134_8390775	NC_021163.1	Ca_kabuli_chr04	8390775	TT	AA	1940273708
SNP_P1_54135_8391077	NC_021163.1	Ca_kabuli_chr04	8391077	AA	TT	1940273710
SNP_P1_54136_8391079	NC_021163.1	Ca_kabuli_chr04	8391079	GG	CC	1940273711
SNP_P1_54137_8391081	NC_021163.1	Ca_kabuli_chr04	8391081	GG	AA	1940273713
SNP_P1_54138_8391095	NC_021163.1	Ca_kabuli_chr04	8391095	TT	AA	1940273714
SNP_P1_54139_8391097	NC_021163.1	Ca_kabuli_chr04	8391097	AA	GG	1940273715
SNP_P1_54140_8391119	NC_021163.1	Ca_kabuli_chr04	8391119	AA	GG	1940273717
SNP_P1_54142_8391393	NC_021163.1	Ca_kabuli_chr04	8391393	GG	AA	1940273718
SNP_P1_54143_8391472	NC_021163.1	Ca_kabuli_chr04	8391472	AA	GG	1940273719
SNP_P1_54144_8391707	NC_021163.1	Ca_kabuli_chr04	8391707	GG	AA	1940273721
SNP_P1_54145_8392711	NC_021163.1	Ca_kabuli_chr04	8392711	TT	CC	1940273722
SNP_P1_54146_8394412	NC_021163.1	Ca_kabuli_chr04	8394412	AA	GG	1940273723
SNP_P1_54147_8395216	NC_021163.1	Ca_kabuli_chr04	8395216	GG	TT	1940273725
SNP_P1_54148_8395446	NC_021163.1	Ca_kabuli_chr04	8395446	AA	GG	1940273726
SNP_P1_54149_8395478	NC_021163.1	Ca_kabuli_chr04	8395478	AA	CC	1940273728
SNP_P1_54150_8395737	NC_021163.1	Ca_kabuli_chr04	8395737	GG	AA	1940273729
SNP_P1_54152_8396384	NC_021163.1	Ca_kabuli_chr04	8396384	AA	GG	1940273731
SNP_P1_54153_8396573	NC_021163.1	Ca_kabuli_chr04	8396573	CC	AA	1940273732
SNP_P1_54154_8396575	NC_021163.1	Ca_kabuli_chr04	8396575	CC	AA	1940273733
SNP_P1_54155_8396632	NC_021163.1	Ca_kabuli_chr04	8396632	AA	GG	1940273735
SNP_P1_54156_8396957	NC_021163.1	Ca_kabuli_chr04	8396957	AA	GG	1940273736
SNP_P1_54157_8396997	NC_021163.1	Ca_kabuli_chr04	8396997	GG	AA	1940273737
SNP_P1_54158_8397252	NC_021163.1	Ca_kabuli_chr04	8397252	CC	GG	1940273739
SNP_P1_54159_8397316	NC_021163.1	Ca_kabuli_chr04	8397316	TT	CC	1940273740
SNP_P1_54160_8398641	NC_021163.1	Ca_kabuli_chr04	8398641	AA	GG	1940273742
SNP_P1_54161_8398652	NC_021163.1	Ca_kabuli_chr04	8398652	CC	TT	1940273743
SNP_P1_54163_8398983	NC_021163.1	Ca_kabuli_chr04	8398983	TT	CC	1940273744
SNP_P1_54164_8399001	NC_021163.1	Ca_kabuli_chr04	8399001	AA	CC	1940273746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54166_8399391	NC_021163.1	Ca_kabuli_chr04	8399391	AA	TT	1940273748
SNP_P1_54167_8399394	NC_021163.1	Ca_kabuli_chr04	8399394	AA	CC	1940273750
SNP_P1_54168_8400105	NC_021163.1	Ca_kabuli_chr04	8400105	GG	AA	1940273751
SNP_P1_54172_8401867	NC_021163.1	Ca_kabuli_chr04	8401867	CC	TT	1940273752
SNP_P1_54173_8401944	NC_021163.1	Ca_kabuli_chr04	8401944	GG	AA	1940273754
SNP_P1_54174_8402274	NC_021163.1	Ca_kabuli_chr04	8402274	GG	AA	1940273756
SNP_P1_54175_8402782	NC_021163.1	Ca_kabuli_chr04	8402782	AA	CC	1940273757
SNP_P1_54176_8408107	NC_021163.1	Ca_kabuli_chr04	8408107	GG	AA	1940273759
SNP_P1_54177_8408118	NC_021163.1	Ca_kabuli_chr04	8408118	GG	AA	1940273760
SNP_P1_54178_8408187	NC_021163.1	Ca_kabuli_chr04	8408187	TT	GG	1940273761
SNP_P1_54179_8408527	NC_021163.1	Ca_kabuli_chr04	8408527	CC	AA	1940273763
SNP_P1_54181_8408864	NC_021163.1	Ca_kabuli_chr04	8408864	CC	GG	1940273764
SNP_P1_54183_8408915	NC_021163.1	Ca_kabuli_chr04	8408915	CC	TT	1940273765
SNP_P1_54184_8408933	NC_021163.1	Ca_kabuli_chr04	8408933	GG	AA	1940273767
SNP_P1_54186_8409463	NC_021163.1	Ca_kabuli_chr04	8409463	AA	GG	1940273768
SNP_P1_54187_8409793	NC_021163.1	Ca_kabuli_chr04	8409793	CC	TT	1940273770
SNP_P1_54188_8409841	NC_021163.1	Ca_kabuli_chr04	8409841	GG	AA	1940273771
SNP_P1_54189_8409846	NC_021163.1	Ca_kabuli_chr04	8409846	TT	CC	1940273772
SNP_P1_54190_8409905	NC_021163.1	Ca_kabuli_chr04	8409905	GG	TT	1940273774
SNP_P1_54191_8410147	NC_021163.1	Ca_kabuli_chr04	8410147	TT	GG	1940273775
SNP_P1_54192_8410402	NC_021163.1	Ca_kabuli_chr04	8410402	GG	AA	1940273777
SNP_P1_54193_8410825	NC_021163.1	Ca_kabuli_chr04	8410825	AA	GG	1940273778
SNP_P1_54194_8410827	NC_021163.1	Ca_kabuli_chr04	8410827	AA	CC	1940273780
SNP_P1_54196_8411493	NC_021163.1	Ca_kabuli_chr04	8411493	GG	AA	1940273781
SNP_P1_54197_8411501	NC_021163.1	Ca_kabuli_chr04	8411501	TT	GG	1940273782
SNP_P1_54198_8411528	NC_021163.1	Ca_kabuli_chr04	8411528	CC	TT	1940273784
SNP_P1_54199_8411537	NC_021163.1	Ca_kabuli_chr04	8411537	GG	AA	1940273785
SNP_P1_54200_8411995	NC_021163.1	Ca_kabuli_chr04	8411995	GG	AA	1940273787
SNP_P1_54201_8411997	NC_021163.1	Ca_kabuli_chr04	8411997	GG	TT	1940273788
SNP_P1_54202_8412025	NC_021163.1	Ca_kabuli_chr04	8412025	CC	TT	1940273790
SNP_P1_54203_8412035	NC_021163.1	Ca_kabuli_chr04	8412035	CC	TT	1940273791
SNP_P1_54204_8412045	NC_021163.1	Ca_kabuli_chr04	8412045	GG	AA	1940273793
SNP_P1_54205_8412046	NC_021163.1	Ca_kabuli_chr04	8412046	AA	GG	1940273794
SNP_P1_54206_8412066	NC_021163.1	Ca_kabuli_chr04	8412066	CC	TT	1940273796
SNP_P1_54207_8412386	NC_021163.1	Ca_kabuli_chr04	8412386	AA	GG	1940273797
SNP_P1_54208_8412544	NC_021163.1	Ca_kabuli_chr04	8412544	GG	AA	1940273799
SNP_P1_54209_8412594	NC_021163.1	Ca_kabuli_chr04	8412594	GG	AA	1940273800
SNP_P1_54210_8412830	NC_021163.1	Ca_kabuli_chr04	8412830	AA	GG	1940273801
SNP_P1_54211_8412929	NC_021163.1	Ca_kabuli_chr04	8412929	CC	GG	1940273803
SNP_P1_54212_8413275	NC_021163.1	Ca_kabuli_chr04	8413275	AA	TT	1940273804
SNP_P1_54213_8413555	NC_021163.1	Ca_kabuli_chr04	8413555	CC	TT	1940273806

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54216_8413750	NC_021163.1	Ca_kabuli_chr04	8413750	GG	AA	1940273809
SNP_P1_54218_8413770	NC_021163.1	Ca_kabuli_chr04	8413770	CC	TT	1940273810
SNP_P1_54219_8413798	NC_021163.1	Ca_kabuli_chr04	8413798	TT	CC	1940273812
SNP_P1_54220_8413835	NC_021163.1	Ca_kabuli_chr04	8413835	TT	CC	1940273813
SNP_P1_54221_8413838	NC_021163.1	Ca_kabuli_chr04	8413838	GG	AA	1940273815
SNP_P1_54222_8413893	NC_021163.1	Ca_kabuli_chr04	8413893	GG	AA	1940273817
SNP_P1_54223_8414031	NC_021163.1	Ca_kabuli_chr04	8414031	AA	GG	1940273819
SNP_P1_54224_8414039	NC_021163.1	Ca_kabuli_chr04	8414039	TT	CC	1940273820
SNP_P1_54225_8414070	NC_021163.1	Ca_kabuli_chr04	8414070	CC	TT	1940273822
SNP_P1_54226_8414085	NC_021163.1	Ca_kabuli_chr04	8414085	TT	CC	1940273824
SNP_P1_54227_8414157	NC_021163.1	Ca_kabuli_chr04	8414157	TT	CC	1940273825
SNP_P1_54228_8414160	NC_021163.1	Ca_kabuli_chr04	8414160	GG	AA	1940273827
SNP_P1_54230_8414684	NC_021163.1	Ca_kabuli_chr04	8414684	AA	GG	1940273828
SNP_P1_54231_8414704	NC_021163.1	Ca_kabuli_chr04	8414704	GG	TT	1940273830
SNP_P1_54232_8414712	NC_021163.1	Ca_kabuli_chr04	8414712	AA	GG	1940273832
SNP_P1_54233_8414719	NC_021163.1	Ca_kabuli_chr04	8414719	TT	AA	1940273833
SNP_P1_54234_8414721	NC_021163.1	Ca_kabuli_chr04	8414721	TT	AA	1940273835
SNP_P1_54235_8414727	NC_021163.1	Ca_kabuli_chr04	8414727	TT	CC	1940273836
SNP_P1_54236_8414903	NC_021163.1	Ca_kabuli_chr04	8414903	TT	CC	1940273838
SNP_P1_54237_8415043	NC_021163.1	Ca_kabuli_chr04	8415043	TT	AA	1940273839
SNP_P1_54238_8415044	NC_021163.1	Ca_kabuli_chr04	8415044	TT	CC	1940273841
SNP_P1_54239_8415508	NC_021163.1	Ca_kabuli_chr04	8415508	CC	AA	1940273842
SNP_P1_54240_8415883	NC_021163.1	Ca_kabuli_chr04	8415883	AA	GG	1940273844
SNP_P1_54241_8415884	NC_021163.1	Ca_kabuli_chr04	8415884	TT	CC	1940273846
SNP_P1_54242_8415888	NC_021163.1	Ca_kabuli_chr04	8415888	CC	AA	1940273848
SNP_P1_54243_8415898	NC_021163.1	Ca_kabuli_chr04	8415898	AA	GG	1940273850
SNP_P1_54244_8415911	NC_021163.1	Ca_kabuli_chr04	8415911	AA	CC	1940273852
SNP_P1_54245_8417607	NC_021163.1	Ca_kabuli_chr04	8417607	TT	AA	1940273854
SNP_P1_54246_8417652	NC_021163.1	Ca_kabuli_chr04	8417652	CC	TT	1940273856
SNP_P1_54247_8417674	NC_021163.1	Ca_kabuli_chr04	8417674	AA	TT	1940273857
SNP_P1_54248_8418301	NC_021163.1	Ca_kabuli_chr04	8418301	GG	CC	1940273859
SNP_P1_54249_8418725	NC_021163.1	Ca_kabuli_chr04	8418725	TT	AA	1940273860
SNP_P1_54250_8418831	NC_021163.1	Ca_kabuli_chr04	8418831	CC	GG	1940273862
SNP_P1_54251_8418852	NC_021163.1	Ca_kabuli_chr04	8418852	AA	GG	1940273864
SNP_P1_54252_8418925	NC_021163.1	Ca_kabuli_chr04	8418925	TT	CC	1940273866
SNP_P1_54253_8418963	NC_021163.1	Ca_kabuli_chr04	8418963	AA	GG	1940273868
SNP_P1_54254_8418966	NC_021163.1	Ca_kabuli_chr04	8418966	CC	GG	1940273870
SNP_P1_54255_8418998	NC_021163.1	Ca_kabuli_chr04	8418998	GG	AA	1940273872
SNP_P1_54256_8419063	NC_021163.1	Ca_kabuli_chr04	8419063	AA	GG	1940273873
SNP_P1_54257_8419064	NC_021163.1	Ca_kabuli_chr04	8419064	AA	GG	1940273876
SNP_P1_54258_8421115	NC_021163.1	Ca_kabuli_chr04	8421115	GG	CC	1940273878

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54260_8421703	NC_021163.1	Ca_kabuli_chr04	8421703	GG	CC	1940273882
SNP_P1_54261_8421704	NC_021163.1	Ca_kabuli_chr04	8421704	CC	GG	1940273884
SNP_P1_54262_8421948	NC_021163.1	Ca_kabuli_chr04	8421948	CC	AA	1940273886
SNP_P1_54263_8421956	NC_021163.1	Ca_kabuli_chr04	8421956	TT	CC	1940273888
SNP_P1_54264_8421960	NC_021163.1	Ca_kabuli_chr04	8421960	TT	GG	1940273890
SNP_P1_54265_8421986	NC_021163.1	Ca_kabuli_chr04	8421986	GG	AA	1940273891
SNP_P1_54266_8422007	NC_021163.1	Ca_kabuli_chr04	8422007	TT	AA	1940273893
SNP_P1_54268_8422206	NC_021163.1	Ca_kabuli_chr04	8422206	GG	AA	1940273894
SNP_P1_54269_8422349	NC_021163.1	Ca_kabuli_chr04	8422349	GG	AA	1940273895
SNP_P1_54270_8422370	NC_021163.1	Ca_kabuli_chr04	8422370	TT	AA	1940273896
SNP_P1_54271_8422418	NC_021163.1	Ca_kabuli_chr04	8422418	AA	GG	1940273898
SNP_P1_54272_8422438	NC_021163.1	Ca_kabuli_chr04	8422438	GG	AA	1940273899
SNP_P1_54273_8423505	NC_021163.1	Ca_kabuli_chr04	8423505	AA	CC	1940273900
SNP_P1_54274_8423823	NC_021163.1	Ca_kabuli_chr04	8423823	CC	TT	1940273901
SNP_P1_54275_8423867	NC_021163.1	Ca_kabuli_chr04	8423867	TT	AA	1940273902
SNP_P1_54276_8423868	NC_021163.1	Ca_kabuli_chr04	8423868	AA	GG	1940273904
SNP_P1_54277_8423884	NC_021163.1	Ca_kabuli_chr04	8423884	AA	GG	1940273905
SNP_P1_54278_8423960	NC_021163.1	Ca_kabuli_chr04	8423960	GG	AA	1940273906
SNP_P1_54279_8424811	NC_021163.1	Ca_kabuli_chr04	8424811	TT	CC	1940273908
SNP_P1_54280_8424850	NC_021163.1	Ca_kabuli_chr04	8424850	TT	CC	1940273909
SNP_P1_54281_8424851	NC_021163.1	Ca_kabuli_chr04	8424851	TT	CC	1940273910
SNP_P1_54282_8424879	NC_021163.1	Ca_kabuli_chr04	8424879	GG	AA	1940273912
SNP_P1_54283_8424881	NC_021163.1	Ca_kabuli_chr04	8424881	CC	TT	1940273914
SNP_P1_54284_8424999	NC_021163.1	Ca_kabuli_chr04	8424999	TT	CC	1940273915
SNP_P1_54285_8425301	NC_021163.1	Ca_kabuli_chr04	8425301	CC	TT	1940273917
SNP_P1_54286_8425321	NC_021163.1	Ca_kabuli_chr04	8425321	GG	AA	1940273918
SNP_P1_54287_8425322	NC_021163.1	Ca_kabuli_chr04	8425322	AA	TT	1940273920
SNP_P1_54288_8425554	NC_021163.1	Ca_kabuli_chr04	8425554	TT	GG	1940273921
SNP_P1_54289_8429279	NC_021163.1	Ca_kabuli_chr04	8429279	TT	AA	1940273923
SNP_P1_54290_8429318	NC_021163.1	Ca_kabuli_chr04	8429318	GG	AA	1940273924
SNP_P1_54291_8431738	NC_021163.1	Ca_kabuli_chr04	8431738	AA	TT	1940273926
SNP_P1_54292_8432481	NC_021163.1	Ca_kabuli_chr04	8432481	TT	CC	1940273928
SNP_P1_54293_8440161	NC_021163.1	Ca_kabuli_chr04	8440161	TT	AA	1940273930
SNP_P1_54295_8442257	NC_021163.1	Ca_kabuli_chr04	8442257	TT	AA	1940273931
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SNP_P1_54297_8442797	NC_021163.1	Ca_kabuli_chr04	8442797	CC	AA	1940273935
SNP_P1_54298_8444559	NC_021163.1	Ca_kabuli_chr04	8444559	CC	TT	1940273937
SNP_P1_54299_8445596	NC_021163.1	Ca_kabuli_chr04	8445596	TT	CC	1940273939
SNP_P1_54300_8445827	NC_021163.1	Ca_kabuli_chr04	8445827	TT	CC	1940273940
SNP_P1_54301_8446102	NC_021163.1	Ca_kabuli_chr04	8446102	TT	CC	1940273942
SNP_P1_54302_8448593	NC_021163.1	Ca_kabuli_chr04	8448593	AA	GG	1940273944

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54305_8449276	NC_021163.1	Ca_kabuli_chr04	8449276	TT	AA	1940273949
SNP_P1_54306_8449277	NC_021163.1	Ca_kabuli_chr04	8449277	TT	AA	1940273951
SNP_P1_54307_8449774	NC_021163.1	Ca_kabuli_chr04	8449774	GG	AA	1940273952
SNP_P1_54308_8449785	NC_021163.1	Ca_kabuli_chr04	8449785	AA	GG	1940273954
SNP_P1_54309_8450110	NC_021163.1	Ca_kabuli_chr04	8450110	CC	TT	1940273956
SNP_P1_54311_8453886	NC_021163.1	Ca_kabuli_chr04	8453886	CC	TT	1940273958
SNP_P1_54312_8454042	NC_021163.1	Ca_kabuli_chr04	8454042	GG	AA	1940273959
SNP_P1_54313_8454163	NC_021163.1	Ca_kabuli_chr04	8454163	CC	TT	1940273961
SNP_P1_54314_8454184	NC_021163.1	Ca_kabuli_chr04	8454184	CC	GG	1940273962
SNP_P1_54315_8454198	NC_021163.1	Ca_kabuli_chr04	8454198	TT	CC	1940273964
SNP_P1_54316_8454218	NC_021163.1	Ca_kabuli_chr04	8454218	AA	GG	1940273965
SNP_P1_54317_8454243	NC_021163.1	Ca_kabuli_chr04	8454243	GG	AA	1940273967
SNP_P1_54318_8457947	NC_021163.1	Ca_kabuli_chr04	8457947	CC	GG	1940273968
SNP_P1_54319_8457966	NC_021163.1	Ca_kabuli_chr04	8457966	TT	CC	1940273970
SNP_P1_54320_8457980	NC_021163.1	Ca_kabuli_chr04	8457980	TT	AA	1940273971
SNP_P1_54321_8458075	NC_021163.1	Ca_kabuli_chr04	8458075	AA	TT	1940273973
SNP_P1_54322_8458242	NC_021163.1	Ca_kabuli_chr04	8458242	CC	TT	1940273974
SNP_P1_54323_8458284	NC_021163.1	Ca_kabuli_chr04	8458284	CC	TT	1940273975
SNP_P1_54324_8458305	NC_021163.1	Ca_kabuli_chr04	8458305	GG	AA	1940273977
SNP_P1_54327_8458628	NC_021163.1	Ca_kabuli_chr04	8458628	AA	CC	1940273978
SNP_P1_54329_8458717	NC_021163.1	Ca_kabuli_chr04	8458717	CC	TT	1940273979
SNP_P1_54330_8458887	NC_021163.1	Ca_kabuli_chr04	8458887	AA	TT	1940273980
SNP_P1_54331_8459387	NC_021163.1	Ca_kabuli_chr04	8459387	CC	TT	1940273982
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SNP_P1_54335_8460149	NC_021163.1	Ca_kabuli_chr04	8460149	AA	TT	1940273985
SNP_P1_54336_8460659	NC_021163.1	Ca_kabuli_chr04	8460659	CC	TT	1940273986
SNP_P1_54337_8460669	NC_021163.1	Ca_kabuli_chr04	8460669	GG	TT	1940273987
SNP_P1_54338_8460676	NC_021163.1	Ca_kabuli_chr04	8460676	CC	TT	1940273989
SNP_P1_54340_8462738	NC_021163.1	Ca_kabuli_chr04	8462738	GG	AA	1940273990
SNP_P1_54341_8462745	NC_021163.1	Ca_kabuli_chr04	8462745	AA	CC	1940273991
SNP_P1_54342_8462937	NC_021163.1	Ca_kabuli_chr04	8462937	GG	AA	1940273993
SNP_P1_54343_8463548	NC_021163.1	Ca_kabuli_chr04	8463548	AA	GG	1940273994
SNP_P1_54344_8463724	NC_021163.1	Ca_kabuli_chr04	8463724	GG	AA	1940273996
SNP_P1_54345_8465126	NC_021163.1	Ca_kabuli_chr04	8465126	CC	TT	1940273997
SNP_P1_54346_8466409	NC_021163.1	Ca_kabuli_chr04	8466409	GG	AA	1940273998
SNP_P1_54347_8466464	NC_021163.1	Ca_kabuli_chr04	8466464	AA	GG	1940274000
SNP_P1_54348_8466483	NC_021163.1	Ca_kabuli_chr04	8466483	TT	AA	1940274001
SNP_P1_54349_8466845	NC_021163.1	Ca_kabuli_chr04	8466845	AA	TT	1940274002
SNP_P1_54350_8466870	NC_021163.1	Ca_kabuli_chr04	8466870	TT	CC	1940274004
SNP_P1_54352_8467303	NC_021163.1	Ca_kabuli_chr04	8467303	GG	AA	1940274005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54354_8467633	NC_021163.1	Ca_kabuli_chr04	8467633	TT	AA	1940274009
SNP_P1_54355_8468298	NC_021163.1	Ca_kabuli_chr04	8468298	GG	AA	1940274010
SNP_P1_54356_8468337	NC_021163.1	Ca_kabuli_chr04	8468337	CC	TT	1940274011
SNP_P1_54357_8468354	NC_021163.1	Ca_kabuli_chr04	8468354	TT	CC	1940274013
SNP_P1_54358_8468381	NC_021163.1	Ca_kabuli_chr04	8468381	CC	TT	1940274014
SNP_P1_54359_8468413	NC_021163.1	Ca_kabuli_chr04	8468413	AA	GG	1940274016
SNP_P1_54360_8468559	NC_021163.1	Ca_kabuli_chr04	8468559	AA	CC	1940274017
SNP_P1_54361_8468621	NC_021163.1	Ca_kabuli_chr04	8468621	GG	TT	1940274018
SNP_P1_54363_8471111	NC_021163.1	Ca_kabuli_chr04	8471111	CC	TT	1940274020
SNP_P1_54364_8471155	NC_021163.1	Ca_kabuli_chr04	8471155	TT	AA	1940274021
SNP_P1_54365_8471174	NC_021163.1	Ca_kabuli_chr04	8471174	AA	GG	1940274023
SNP_P1_54368_8471543	NC_021163.1	Ca_kabuli_chr04	8471543	CC	TT	1940274024
SNP_P1_54369_8473028	NC_021163.1	Ca_kabuli_chr04	8473028	AA	GG	1940274025
SNP_P1_54370_8474050	NC_021163.1	Ca_kabuli_chr04	8474050	AA	TT	1940274027
SNP_P1_54371_8474863	NC_021163.1	Ca_kabuli_chr04	8474863	CC	GG	1940274028
SNP_P1_54372_8475123	NC_021163.1	Ca_kabuli_chr04	8475123	TT	CC	1940274030
SNP_P1_54374_8475168	NC_021163.1	Ca_kabuli_chr04	8475168	GG	CC	1940274032
SNP_P1_54375_8475205	NC_021163.1	Ca_kabuli_chr04	8475205	TT	AA	1940274033
SNP_P1_54376_8475207	NC_021163.1	Ca_kabuli_chr04	8475207	AA	GG	1940274035
SNP_P1_54377_8475232	NC_021163.1	Ca_kabuli_chr04	8475232	CC	GG	1940274036
SNP_P1_54378_8476432	NC_021163.1	Ca_kabuli_chr04	8476432	AA	GG	1940274038
SNP_P1_54379_8476618	NC_021163.1	Ca_kabuli_chr04	8476618	CC	TT	1940274040
SNP_P1_54380_8476636	NC_021163.1	Ca_kabuli_chr04	8476636	GG	AA	1940274041
SNP_P1_54381_8477203	NC_021163.1	Ca_kabuli_chr04	8477203	GG	AA	1940274043
SNP_P1_54382_8477210	NC_021163.1	Ca_kabuli_chr04	8477210	GG	CC	1940274044
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SNP_P1_54384_8478191	NC_021163.1	Ca_kabuli_chr04	8478191	GG	AA	1940274047
SNP_P1_54385_8478230	NC_021163.1	Ca_kabuli_chr04	8478230	AA	CC	1940274049
SNP_P1_54387_8479287	NC_021163.1	Ca_kabuli_chr04	8479287	CC	GG	1940274051
SNP_P1_54388_8479467	NC_021163.1	Ca_kabuli_chr04	8479467	AA	TT	1940274052
SNP_P1_54389_8479518	NC_021163.1	Ca_kabuli_chr04	8479518	TT	CC	1940274054
SNP_P1_54390_8480275	NC_021163.1	Ca_kabuli_chr04	8480275	TT	GG	1940274055
SNP_P1_54391_8480318	NC_021163.1	Ca_kabuli_chr04	8480318	AA	GG	1940274056
SNP_P1_54392_8480713	NC_021163.1	Ca_kabuli_chr04	8480713	CC	AA	1940274058
SNP_P1_54393_8480714	NC_021163.1	Ca_kabuli_chr04	8480714	TT	CC	1940274059
SNP_P1_54394_8480716	NC_021163.1	Ca_kabuli_chr04	8480716	TT	AA	1940274060
SNP_P1_54395_8481158	NC_021163.1	Ca_kabuli_chr04	8481158	CC	AA	1940274062
SNP_P1_54397_8481234	NC_021163.1	Ca_kabuli_chr04	8481234	AA	GG	1940274063
SNP_P1_54398_8481502	NC_021163.1	Ca_kabuli_chr04	8481502	GG	AA	1940274065
SNP_P1_54399_8481709	NC_021163.1	Ca_kabuli_chr04	8481709	TT	CC	1940274066
SNP_P1_54400_8481759	NC_021163.1	Ca_kabuli_chr04	8481759	CC	TT	1940274068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54403_8481957	NC_021163.1	Ca_kabuli_chr04	8481957	GG	AA	1940274072
SNP_P1_54405_8482183	NC_021163.1	Ca_kabuli_chr04	8482183	CC	TT	1940274073
SNP_P1_54406_8482189	NC_021163.1	Ca_kabuli_chr04	8482189	TT	CC	1940274075
SNP_P1_54407_8482331	NC_021163.1	Ca_kabuli_chr04	8482331	GG	AA	1940274076
SNP_P1_54408_8482379	NC_021163.1	Ca_kabuli_chr04	8482379	AA	GG	1940274078
SNP_P1_54409_8482398	NC_021163.1	Ca_kabuli_chr04	8482398	AA	GG	1940274079
SNP_P1_54410_8482549	NC_021163.1	Ca_kabuli_chr04	8482549	TT	CC	1940274080
SNP_P1_54411_8482560	NC_021163.1	Ca_kabuli_chr04	8482560	GG	CC	1940274082
SNP_P1_54412_8482782	NC_021163.1	Ca_kabuli_chr04	8482782	GG	AA	1940274083
SNP_P1_54414_8483053	NC_021163.1	Ca_kabuli_chr04	8483053	GG	AA	1940274084
SNP_P1_54415_8483063	NC_021163.1	Ca_kabuli_chr04	8483063	CC	AA	1940274085
SNP_P1_54418_8483318	NC_021163.1	Ca_kabuli_chr04	8483318	CC	TT	1940274087
SNP_P1_54419_8483827	NC_021163.1	Ca_kabuli_chr04	8483827	CC	TT	1940274088
SNP_P1_54420_8483836	NC_021163.1	Ca_kabuli_chr04	8483836	CC	TT	1940274090
SNP_P1_54422_8486393	NC_021163.1	Ca_kabuli_chr04	8486393	CC	AA	1940274091
SNP_P1_54423_8486681	NC_021163.1	Ca_kabuli_chr04	8486681	GG	AA	1940274093
SNP_P1_54424_8489407	NC_021163.1	Ca_kabuli_chr04	8489407	TT	AA	1940274095
SNP_P1_54425_8489417	NC_021163.1	Ca_kabuli_chr04	8489417	GG	TT	1940274096
SNP_P1_54427_8489819	NC_021163.1	Ca_kabuli_chr04	8489819	AA	GG	1940274098
SNP_P1_54428_8490008	NC_021163.1	Ca_kabuli_chr04	8490008	CC	TT	1940274099
SNP_P1_54429_8490040	NC_021163.1	Ca_kabuli_chr04	8490040	TT	GG	1940274101
SNP_P1_54430_8490195	NC_021163.1	Ca_kabuli_chr04	8490195	GG	AA	1940274102
SNP_P1_54431_8490386	NC_021163.1	Ca_kabuli_chr04	8490386	AA	GG	1940274104
SNP_P1_54432_8490401	NC_021163.1	Ca_kabuli_chr04	8490401	CC	TT	1940274105
SNP_P1_54434_8493219	NC_021163.1	Ca_kabuli_chr04	8493219	AA	GG	1940274107
SNP_P1_54435_8494149	NC_021163.1	Ca_kabuli_chr04	8494149	AA	TT	1940274108
SNP_P1_54437_8497083	NC_021163.1	Ca_kabuli_chr04	8497083	CC	AA	1940274110
SNP_P1_54439_8498996	NC_021163.1	Ca_kabuli_chr04	8498996	CC	AA	1940274111
SNP_P1_54440_8499663	NC_021163.1	Ca_kabuli_chr04	8499663	TT	CC	1940274113
SNP_P1_54441_8499968	NC_021163.1	Ca_kabuli_chr04	8499968	GG	CC	1940274115
SNP_P1_54442_8500669	NC_021163.1	Ca_kabuli_chr04	8500669	CC	TT	1940274116
SNP_P1_54443_8500902	NC_021163.1	Ca_kabuli_chr04	8500902	CC	AA	1940274118
SNP_P1_54445_8502109	NC_021163.1	Ca_kabuli_chr04	8502109	AA	TT	1940274119
SNP_P1_54446_8502411	NC_021163.1	Ca_kabuli_chr04	8502411	CC	TT	1940274121
SNP_P1_54447_8502419	NC_021163.1	Ca_kabuli_chr04	8502419	TT	CC	1940274122
SNP_P1_54448_8502857	NC_021163.1	Ca_kabuli_chr04	8502857	TT	CC	1940274124
SNP_P1_54449_8502888	NC_021163.1	Ca_kabuli_chr04	8502888	CC	TT	1940274126
SNP_P1_54451_8503082	NC_021163.1	Ca_kabuli_chr04	8503082	CC	AA	1940274127
SNP_P1_54452_8503209	NC_021163.1	Ca_kabuli_chr04	8503209	AA	TT	1940274129
SNP_P1_54453_8503419	NC_021163.1	Ca_kabuli_chr04	8503419	TT	CC	1940274130

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54455_8505107	NC_021163.1	Ca_kabuli_chr04	8505107	AA	CC	1940274133
SNP_P1_54456_8505178	NC_021163.1	Ca_kabuli_chr04	8505178	AA	GG	1940274134
SNP_P1_54457_8505348	NC_021163.1	Ca_kabuli_chr04	8505348	GG	AA	1940274136
SNP_P1_54458_8505350	NC_021163.1	Ca_kabuli_chr04	8505350	AA	GG	1940274137
SNP_P1_54459_8505386	NC_021163.1	Ca_kabuli_chr04	8505386	AA	GG	1940274138
SNP_P1_54461_8506672	NC_021163.1	Ca_kabuli_chr04	8506672	CC	TT	1940274140
SNP_P1_54462_8506957	NC_021163.1	Ca_kabuli_chr04	8506957	TT	CC	1940274141
SNP_P1_54463_8507356	NC_021163.1	Ca_kabuli_chr04	8507356	GG	TT	1940274142
SNP_P1_54464_8507845	NC_021163.1	Ca_kabuli_chr04	8507845	CC	TT	1940274144
SNP_P1_54465_8508028	NC_021163.1	Ca_kabuli_chr04	8508028	CC	AA	1940274145
SNP_P1_54466_8508261	NC_021163.1	Ca_kabuli_chr04	8508261	AA	GG	1940274146
SNP_P1_54467_8508729	NC_021163.1	Ca_kabuli_chr04	8508729	TT	CC	1940274147
SNP_P1_54468_8508878	NC_021163.1	Ca_kabuli_chr04	8508878	AA	GG	1940274149
SNP_P1_54469_8508935	NC_021163.1	Ca_kabuli_chr04	8508935	TT	AA	1940274150
SNP_P1_54470_8509048	NC_021163.1	Ca_kabuli_chr04	8509048	GG	AA	1940274151
SNP_P1_54472_8509198	NC_021163.1	Ca_kabuli_chr04	8509198	GG	TT	1940274153
SNP_P1_54473_8509407	NC_021163.1	Ca_kabuli_chr04	8509407	AA	GG	1940274154
SNP_P1_54475_8512666	NC_021163.1	Ca_kabuli_chr04	8512666	AA	GG	1940274155
SNP_P1_54476_8512891	NC_021163.1	Ca_kabuli_chr04	8512891	TT	CC	1940274156
SNP_P1_54477_8513146	NC_021163.1	Ca_kabuli_chr04	8513146	AA	TT	1940274157
SNP_P1_54478_8513216	NC_021163.1	Ca_kabuli_chr04	8513216	GG	AA	1940274158
SNP_P1_54480_8514719	NC_021163.1	Ca_kabuli_chr04	8514719	TT	CC	1940274159
SNP_P1_54481_8514741	NC_021163.1	Ca_kabuli_chr04	8514741	CC	TT	1940274161
SNP_P1_54482_8514746	NC_021163.1	Ca_kabuli_chr04	8514746	TT	CC	1940274162
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SNP_P1_54486_8515051	NC_021163.1	Ca_kabuli_chr04	8515051	AA	GG	1940274165
SNP_P1_54487_8515059	NC_021163.1	Ca_kabuli_chr04	8515059	GG	AA	1940274166
SNP_P1_54488_8515197	NC_021163.1	Ca_kabuli_chr04	8515197	TT	CC	1940274167
SNP_P1_54489_8515231	NC_021163.1	Ca_kabuli_chr04	8515231	AA	GG	1940274168
SNP_P1_54490_8515246	NC_021163.1	Ca_kabuli_chr04	8515246	TT	GG	1940274170
SNP_P1_54491_8515304	NC_021163.1	Ca_kabuli_chr04	8515304	CC	TT	1940274171
SNP_P1_54492_8515309	NC_021163.1	Ca_kabuli_chr04	8515309	TT	CC	1940274172
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SNP_P1_54495_8515409	NC_021163.1	Ca_kabuli_chr04	8515409	TT	CC	1940274175
SNP_P1_54496_8515413	NC_021163.1	Ca_kabuli_chr04	8515413	AA	GG	1940274176
SNP_P1_54497_8515428	NC_021163.1	Ca_kabuli_chr04	8515428	AA	GG	1940274178
SNP_P1_54498_8515629	NC_021163.1	Ca_kabuli_chr04	8515629	TT	CC	1940274179
SNP_P1_54499_8515830	NC_021163.1	Ca_kabuli_chr04	8515830	GG	TT	1940274181
SNP_P1_54500_8515832	NC_021163.1	Ca_kabuli_chr04	8515832	AA	GG	1940274183

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54503_8516639	NC_021163.1	Ca_kabuli_chr04	8516639	GG	AA	1940274187
SNP_P1_54504_8516641	NC_021163.1	Ca_kabuli_chr04	8516641	GG	AA	1940274189
SNP_P1_54505_8516789	NC_021163.1	Ca_kabuli_chr04	8516789	GG	AA	1940274190
SNP_P1_54506_8517092	NC_021163.1	Ca_kabuli_chr04	8517092	CC	GG	1940274192
SNP_P1_54507_8518380	NC_021163.1	Ca_kabuli_chr04	8518380	AA	GG	1940274194
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SNP_P1_54510_8519504	NC_021163.1	Ca_kabuli_chr04	8519504	GG	AA	1940274198
SNP_P1_54513_8521866	NC_021163.1	Ca_kabuli_chr04	8521866	TT	GG	1940274200
SNP_P1_54514_8521927	NC_021163.1	Ca_kabuli_chr04	8521927	AA	TT	1940274202
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SNP_P1_54517_8522247	NC_021163.1	Ca_kabuli_chr04	8522247	AA	GG	1940274205
SNP_P1_54518_8522268	NC_021163.1	Ca_kabuli_chr04	8522268	CC	TT	1940274206
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SNP_P1_54521_8522432	NC_021163.1	Ca_kabuli_chr04	8522432	AA	GG	1940274210
SNP_P1_54522_8522522	NC_021163.1	Ca_kabuli_chr04	8522522	AA	GG	1940274211
SNP_P1_54523_8522568	NC_021163.1	Ca_kabuli_chr04	8522568	GG	AA	1940274212
SNP_P1_54524_8522786	NC_021163.1	Ca_kabuli_chr04	8522786	AA	GG	1940274214
SNP_P1_54526_8522813	NC_021163.1	Ca_kabuli_chr04	8522813	CC	TT	1940274215
SNP_P1_54527_8522987	NC_021163.1	Ca_kabuli_chr04	8522987	CC	TT	1940274217
SNP_P1_54529_8523036	NC_021163.1	Ca_kabuli_chr04	8523036	CC	TT	1940274218
SNP_P1_54530_8523488	NC_021163.1	Ca_kabuli_chr04	8523488	CC	GG	1940274219
SNP_P1_54531_8526363	NC_021163.1	Ca_kabuli_chr04	8526363	GG	AA	1940274221
SNP_P1_54532_8548515	NC_021163.1	Ca_kabuli_chr04	8548515	TT	AA	1940274222
SNP_P1_54533_8567697	NC_021163.1	Ca_kabuli_chr04	8567697	GG	AA	1940274223
SNP_P1_54534_8568323	NC_021163.1	Ca_kabuli_chr04	8568323	TT	AA	1940274225
SNP_P1_54536_8573031	NC_021163.1	Ca_kabuli_chr04	8573031	AA	GG	1940274226
SNP_P1_54538_8573902	NC_021163.1	Ca_kabuli_chr04	8573902	GG	AA	1940274227
SNP_P1_54539_8574914	NC_021163.1	Ca_kabuli_chr04	8574914	AA	GG	1940274229
SNP_P1_54540_8574915	NC_021163.1	Ca_kabuli_chr04	8574915	AA	GG	1940274230
SNP_P1_54541_8575063	NC_021163.1	Ca_kabuli_chr04	8575063	CC	TT	1940274232
SNP_P1_54543_8581346	NC_021163.1	Ca_kabuli_chr04	8581346	GG	AA	1940274234
SNP_P1_54545_8609735	NC_021163.1	Ca_kabuli_chr04	8609735	GG	AA	1940274235
SNP_P1_54546_8611794	NC_021163.1	Ca_kabuli_chr04	8611794	TT	CC	1940274237
SNP_P1_54547_8611815	NC_021163.1	Ca_kabuli_chr04	8611815	GG	AA	1940274239
SNP_P1_54548_8612382	NC_021163.1	Ca_kabuli_chr04	8612382	TT	CC	1940274241
SNP_P1_54550_8612565	NC_021163.1	Ca_kabuli_chr04	8612565	GG	AA	1940274243
SNP_P1_54552_8612753	NC_021163.1	Ca_kabuli_chr04	8612753	TT	AA	1940274245
SNP_P1_54553_8612768	NC_021163.1	Ca_kabuli_chr04	8612768	AA	TT	1940274247
SNP_P1_54555_8613496	NC_021163.1	Ca_kabuli_chr04	8613496	TT	CC	1940274248

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54559_8613793	NC_021163.1	Ca_kabuli_chr04	8613793	CC	TT	1940274254
SNP_P1_54560_8613808	NC_021163.1	Ca_kabuli_chr04	8613808	AA	GG	1940274256
SNP_P1_54561_8613910	NC_021163.1	Ca_kabuli_chr04	8613910	CC	TT	1940274258
SNP_P1_54562_8614053	NC_021163.1	Ca_kabuli_chr04	8614053	TT	AA	1940274260
SNP_P1_54563_8614173	NC_021163.1	Ca_kabuli_chr04	8614173	TT	CC	1940274262
SNP_P1_54564_8614182	NC_021163.1	Ca_kabuli_chr04	8614182	TT	CC	1940274264
SNP_P1_54565_8614199	NC_021163.1	Ca_kabuli_chr04	8614199	CC	TT	1940274266
SNP_P1_54566_8614380	NC_021163.1	Ca_kabuli_chr04	8614380	CC	TT	1940274268
SNP_P1_54568_8614463	NC_021163.1	Ca_kabuli_chr04	8614463	AA	GG	1940274270
SNP_P1_54569_8614567	NC_021163.1	Ca_kabuli_chr04	8614567	TT	CC	1940274272
SNP_P1_54570_8614603	NC_021163.1	Ca_kabuli_chr04	8614603	AA	GG	1940274274
SNP_P1_54571_8614788	NC_021163.1	Ca_kabuli_chr04	8614788	GG	AA	1940274275
SNP_P1_54572_8614789	NC_021163.1	Ca_kabuli_chr04	8614789	TT	CC	1940274277
SNP_P1_54573_8615180	NC_021163.1	Ca_kabuli_chr04	8615180	GG	CC	1940274280
SNP_P1_54575_8616963	NC_021163.1	Ca_kabuli_chr04	8616963	AA	TT	1940274282
SNP_P1_54576_8616964	NC_021163.1	Ca_kabuli_chr04	8616964	TT	AA	1940274284
SNP_P1_54577_8616968	NC_021163.1	Ca_kabuli_chr04	8616968	TT	AA	1940274285
SNP_P1_54578_8617618	NC_021163.1	Ca_kabuli_chr04	8617618	TT	CC	1940274287
SNP_P1_54580_8622173	NC_021163.1	Ca_kabuli_chr04	8622173	TT	CC	1940274289
SNP_P1_54581_8622180	NC_021163.1	Ca_kabuli_chr04	8622180	CC	TT	1940274292
SNP_P1_54582_8622206	NC_021163.1	Ca_kabuli_chr04	8622206	GG	CC	1940274294
SNP_P1_54583_8622301	NC_021163.1	Ca_kabuli_chr04	8622301	GG	CC	1940274297
SNP_P1_54584_8622936	NC_021163.1	Ca_kabuli_chr04	8622936	TT	CC	1940274299
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SNP_P1_54587_8624091	NC_021163.1	Ca_kabuli_chr04	8624091	AA	GG	1940274307
SNP_P1_54588_8625528	NC_021163.1	Ca_kabuli_chr04	8625528	AA	GG	1940274310
SNP_P1_54589_8625673	NC_021163.1	Ca_kabuli_chr04	8625673	AA	GG	1940274312
SNP_P1_54590_8625683	NC_021163.1	Ca_kabuli_chr04	8625683	TT	CC	1940274314
SNP_P1_54591_8625699	NC_021163.1	Ca_kabuli_chr04	8625699	CC	TT	1940274315
SNP_P1_54592_8625705	NC_021163.1	Ca_kabuli_chr04	8625705	CC	TT	1940274317
SNP_P1_54593_8625717	NC_021163.1	Ca_kabuli_chr04	8625717	TT	AA	1940274319
SNP_P1_54594_8625724	NC_021163.1	Ca_kabuli_chr04	8625724	GG	AA	1940274322
SNP_P1_54595_8625725	NC_021163.1	Ca_kabuli_chr04	8625725	TT	CC	1940274325
SNP_P1_54596_8625746	NC_021163.1	Ca_kabuli_chr04	8625746	CC	TT	1940274327
SNP_P1_54597_8625755	NC_021163.1	Ca_kabuli_chr04	8625755	GG	AA	1940274330
SNP_P1_54598_8625789	NC_021163.1	Ca_kabuli_chr04	8625789	CC	AA	1940274333
SNP_P1_54599_8625791	NC_021163.1	Ca_kabuli_chr04	8625791	TT	AA	1940274335
SNP_P1_54600_8626074	NC_021163.1	Ca_kabuli_chr04	8626074	AA	GG	1940274338
SNP_P1_54601_8626079	NC_021163.1	Ca_kabuli_chr04	8626079	AA	GG	1940274341

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54605_8627677	NC_021163.1	Ca_kabuli_chr04	8627677	TT	CC	1940274350
SNP_P1_54606_8628439	NC_021163.1	Ca_kabuli_chr04	8628439	TT	CC	1940274353
SNP_P1_54607_8629259	NC_021163.1	Ca_kabuli_chr04	8629259	CC	TT	1940274354
SNP_P1_54608_8629426	NC_021163.1	Ca_kabuli_chr04	8629426	CC	TT	1940274356
SNP_P1_54609_8629479	NC_021163.1	Ca_kabuli_chr04	8629479	TT	GG	1940274357
SNP_P1_54610_8630513	NC_021163.1	Ca_kabuli_chr04	8630513	GG	TT	1940274359
SNP_P1_54611_8630542	NC_021163.1	Ca_kabuli_chr04	8630542	GG	AA	1940274361
SNP_P1_54612_8630584	NC_021163.1	Ca_kabuli_chr04	8630584	CC	TT	1940274362
SNP_P1_54613_8630799	NC_021163.1	Ca_kabuli_chr04	8630799	CC	TT	1940274364
SNP_P1_54614_8630862	NC_021163.1	Ca_kabuli_chr04	8630862	CC	AA	1940274366
SNP_P1_54615_8630914	NC_021163.1	Ca_kabuli_chr04	8630914	GG	AA	1940274368
SNP_P1_54616_8632929	NC_021163.1	Ca_kabuli_chr04	8632929	TT	GG	1940274370
SNP_P1_54617_8632974	NC_021163.1	Ca_kabuli_chr04	8632974	CC	TT	1940274372
SNP_P1_54618_8632985	NC_021163.1	Ca_kabuli_chr04	8632985	CC	TT	1940274374
SNP_P1_54619_8632990	NC_021163.1	Ca_kabuli_chr04	8632990	GG	AA	1940274375
SNP_P1_54622_8633605	NC_021163.1	Ca_kabuli_chr04	8633605	TT	AA	1940274377
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SNP_P1_54624_8633688	NC_021163.1	Ca_kabuli_chr04	8633688	GG	AA	1940274380
SNP_P1_54625_8633843	NC_021163.1	Ca_kabuli_chr04	8633843	GG	AA	1940274382
SNP_P1_54626_8633876	NC_021163.1	Ca_kabuli_chr04	8633876	AA	TT	1940274383
SNP_P1_54627_8635646	NC_021163.1	Ca_kabuli_chr04	8635646	TT	AA	1940274385
SNP_P1_54628_8635681	NC_021163.1	Ca_kabuli_chr04	8635681	CC	GG	1940274387
SNP_P1_54629_8636442	NC_021163.1	Ca_kabuli_chr04	8636442	GG	TT	1940274389
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SNP_P1_54631_8637196	NC_021163.1	Ca_kabuli_chr04	8637196	TT	CC	1940274392
SNP_P1_54632_8637495	NC_021163.1	Ca_kabuli_chr04	8637495	GG	AA	1940274395
SNP_P1_54633_8637498	NC_021163.1	Ca_kabuli_chr04	8637498	CC	TT	1940274397
SNP_P1_54634_8637499	NC_021163.1	Ca_kabuli_chr04	8637499	TT	CC	1940274399
SNP_P1_54635_8637717	NC_021163.1	Ca_kabuli_chr04	8637717	CC	TT	1940274400
SNP_P1_54636_8637718	NC_021163.1	Ca_kabuli_chr04	8637718	GG	AA	1940274402
SNP_P1_54637_8638444	NC_021163.1	Ca_kabuli_chr04	8638444	GG	CC	1940274404
SNP_P1_54639_8638703	NC_021163.1	Ca_kabuli_chr04	8638703	GG	AA	1940274406
SNP_P1_54640_8638798	NC_021163.1	Ca_kabuli_chr04	8638798	CC	GG	1940274408
SNP_P1_54641_8638955	NC_021163.1	Ca_kabuli_chr04	8638955	CC	TT	1940274410
SNP_P1_54642_8639220	NC_021163.1	Ca_kabuli_chr04	8639220	AA	CC	1940274411
SNP_P1_54644_8639647	NC_021163.1	Ca_kabuli_chr04	8639647	TT	CC	1940274413
SNP_P1_54645_8639666	NC_021163.1	Ca_kabuli_chr04	8639666	TT	AA	1940274415
SNP_P1_54646_8640040	NC_021163.1	Ca_kabuli_chr04	8640040	GG	AA	1940274417
SNP_P1_54647_8640053	NC_021163.1	Ca_kabuli_chr04	8640053	CC	GG	1940274419
SNP_P1_54648_8640061	NC_021163.1	Ca_kabuli_chr04	8640061	GG	TT	1940274420

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54650_8643533	NC_021163.1	Ca_kabuli_chr04	8643533	TT	GG	1940274424
SNP_P1_54651_8643895	NC_021163.1	Ca_kabuli_chr04	8643895	AA	GG	1940274426
SNP_P1_54652_8643896	NC_021163.1	Ca_kabuli_chr04	8643896	AA	GG	1940274428
SNP_P1_54653_8643907	NC_021163.1	Ca_kabuli_chr04	8643907	AA	CC	1940274430
SNP_P1_54654_8647902	NC_021163.1	Ca_kabuli_chr04	8647902	AA	CC	1940274432
SNP_P1_54655_8648091	NC_021163.1	Ca_kabuli_chr04	8648091	TT	GG	1940274435
SNP_P1_54656_8648105	NC_021163.1	Ca_kabuli_chr04	8648105	TT	CC	1940274437
SNP_P1_54657_8648106	NC_021163.1	Ca_kabuli_chr04	8648106	GG	AA	1940274439
SNP_P1_54658_8648140	NC_021163.1	Ca_kabuli_chr04	8648140	GG	CC	1940274442
SNP_P1_54659_8648142	NC_021163.1	Ca_kabuli_chr04	8648142	GG	CC	1940274445
SNP_P1_54660_8648144	NC_021163.1	Ca_kabuli_chr04	8648144	TT	CC	1940274447
SNP_P1_54661_8648305	NC_021163.1	Ca_kabuli_chr04	8648305	GG	AA	1940274450
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SNP_P1_54666_8653087	NC_021163.1	Ca_kabuli_chr04	8653087	AA	GG	1940274459
SNP_P1_54667_8653092	NC_021163.1	Ca_kabuli_chr04	8653092	GG	AA	1940274461
SNP_P1_54668_8653381	NC_021163.1	Ca_kabuli_chr04	8653381	CC	TT	1940274463
SNP_P1_54669_8656186	NC_021163.1	Ca_kabuli_chr04	8656186	AA	GG	1940274466
SNP_P1_54670_8657978	NC_021163.1	Ca_kabuli_chr04	8657978	TT	AA	1940274468
SNP_P1_54671_8660115	NC_021163.1	Ca_kabuli_chr04	8660115	TT	AA	1940274470
SNP_P1_54672_8660727	NC_021163.1	Ca_kabuli_chr04	8660727	CC	TT	1940274472
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SNP_P1_54677_8666356	NC_021163.1	Ca_kabuli_chr04	8666356	CC	TT	1940274481
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SNP_P1_54679_8666554	NC_021163.1	Ca_kabuli_chr04	8666554	CC	AA	1940274485
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SNP_P1_54681_8666710	NC_021163.1	Ca_kabuli_chr04	8666710	AA	GG	1940274488
SNP_P1_54682_8666722	NC_021163.1	Ca_kabuli_chr04	8666722	GG	AA	1940274490
SNP_P1_54683_8666994	NC_021163.1	Ca_kabuli_chr04	8666994	AA	GG	1940274492
SNP_P1_54684_8666997	NC_021163.1	Ca_kabuli_chr04	8666997	AA	GG	1940274493
SNP_P1_54685_8667793	NC_021163.1	Ca_kabuli_chr04	8667793	AA	GG	1940274495
SNP_P1_54686_8667970	NC_021163.1	Ca_kabuli_chr04	8667970	AA	GG	1940274496
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SNP_P1_54688_8668387	NC_021163.1	Ca_kabuli_chr04	8668387	GG	AA	1940274499
SNP_P1_54689_8668393	NC_021163.1	Ca_kabuli_chr04	8668393	AA	GG	1940274500
SNP_P1_54690_8668440	NC_021163.1	Ca_kabuli_chr04	8668440	AA	CC	1940274501
SNP_P1_54691_8668460	NC_021163.1	Ca_kabuli_chr04	8668460	GG	AA	1940274503

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54694_8668492	NC_021163.1	Ca_kabuli_chr04	8668492	AA	CC	1940274507
SNP_P1_54695_8668648	NC_021163.1	Ca_kabuli_chr04	8668648	GG	AA	1940274508
SNP_P1_54696_8668753	NC_021163.1	Ca_kabuli_chr04	8668753	GG	AA	1940274509
SNP_P1_54697_8669104	NC_021163.1	Ca_kabuli_chr04	8669104	TT	CC	1940274511
SNP_P1_54698_8669326	NC_021163.1	Ca_kabuli_chr04	8669326	GG	CC	1940274512
SNP_P1_54699_8669596	NC_021163.1	Ca_kabuli_chr04	8669596	AA	CC	1940274514
SNP_P1_54700_8670012	NC_021163.1	Ca_kabuli_chr04	8670012	TT	GG	1940274515
SNP_P1_54701_8670039	NC_021163.1	Ca_kabuli_chr04	8670039	GG	AA	1940274517
SNP_P1_54702_8670811	NC_021163.1	Ca_kabuli_chr04	8670811	TT	AA	1940274518
SNP_P1_54703_8677398	NC_021163.1	Ca_kabuli_chr04	8677398	CC	AA	1940274519
SNP_P1_54704_8677470	NC_021163.1	Ca_kabuli_chr04	8677470	TT	AA	1940274520
SNP_P1_54705_8677513	NC_021163.1	Ca_kabuli_chr04	8677513	GG	AA	1940274522
SNP_P1_54706_8680851	NC_021163.1	Ca_kabuli_chr04	8680851	AA	GG	1940274523
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SNP_P1_54708_8682003	NC_021163.1	Ca_kabuli_chr04	8682003	AA	GG	1940274527
SNP_P1_54709_8683678	NC_021163.1	Ca_kabuli_chr04	8683678	GG	AA	1940274529
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SNP_P1_54711_8684330	NC_021163.1	Ca_kabuli_chr04	8684330	AA	GG	1940274532
SNP_P1_54712_8685067	NC_021163.1	Ca_kabuli_chr04	8685067	AA	GG	1940274534
SNP_P1_54713_8685068	NC_021163.1	Ca_kabuli_chr04	8685068	GG	CC	1940274536
SNP_P1_54715_8686517	NC_021163.1	Ca_kabuli_chr04	8686517	TT	CC	1940274539
SNP_P1_54716_8686555	NC_021163.1	Ca_kabuli_chr04	8686555	TT	GG	1940274541
SNP_P1_54717_8686558	NC_021163.1	Ca_kabuli_chr04	8686558	TT	GG	1940274543
SNP_P1_54718_8686641	NC_021163.1	Ca_kabuli_chr04	8686641	CC	TT	1940274545
SNP_P1_54719_8687811	NC_021163.1	Ca_kabuli_chr04	8687811	TT	CC	1940274546
SNP_P1_54720_8687814	NC_021163.1	Ca_kabuli_chr04	8687814	CC	TT	1940274548
SNP_P1_54721_8687848	NC_021163.1	Ca_kabuli_chr04	8687848	CC	AA	1940274550
SNP_P1_54722_8688539	NC_021163.1	Ca_kabuli_chr04	8688539	GG	AA	1940274552
SNP_P1_54723_8688544	NC_021163.1	Ca_kabuli_chr04	8688544	AA	GG	1940274553
SNP_P1_54724_8688552	NC_021163.1	Ca_kabuli_chr04	8688552	CC	GG	1940274555
SNP_P1_54725_8688562	NC_021163.1	Ca_kabuli_chr04	8688562	CC	AA	1940274557
SNP_P1_54727_8688965	NC_021163.1	Ca_kabuli_chr04	8688965	GG	AA	1940274558
SNP_P1_54729_8689189	NC_021163.1	Ca_kabuli_chr04	8689189	TT	CC	1940274560
SNP_P1_54730_8689200	NC_021163.1	Ca_kabuli_chr04	8689200	GG	TT	1940274562
SNP_P1_54731_8689227	NC_021163.1	Ca_kabuli_chr04	8689227	GG	TT	1940274563
SNP_P1_54732_8689282	NC_021163.1	Ca_kabuli_chr04	8689282	CC	AA	1940274565
SNP_P1_54733_8689355	NC_021163.1	Ca_kabuli_chr04	8689355	CC	GG	1940274566
SNP_P1_54734_8689359	NC_021163.1	Ca_kabuli_chr04	8689359	TT	GG	1940274568
SNP_P1_54735_8689365	NC_021163.1	Ca_kabuli_chr04	8689365	TT	CC	1940274569
SNP_P1_54736_8689376	NC_021163.1	Ca_kabuli_chr04	8689376	CC	TT	1940274571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_54737_8689480	NC_021163.1	Ca_kabuli_chr04	8689480	AA	CC	1940274573
SNP_P1_54738_8689491	NC_021163.1	Ca_kabuli_chr04	8689491	GG	AA	1940274574
SNP_P1_54739_8689501	NC_021163.1	Ca_kabuli_chr04	8689501	GG	AA	1940274576
SNP_P1_54740_8689508	NC_021163.1	Ca_kabuli_chr04	8689508	TT	GG	1940274578
SNP_P1_54741_8689510	NC_021163.1	Ca_kabuli_chr04	8689510	GG	AA	1940274581
SNP_P1_54742_8689784	NC_021163.1	Ca_kabuli_chr04	8689784	TT	AA	1940274583
SNP_P1_54743_8689837	NC_021163.1	Ca_kabuli_chr04	8689837	TT	AA	1940274586
SNP_P1_54744_8689870	NC_021163.1	Ca_kabuli_chr04	8689870	TT	GG	1940274588
SNP_P1_54745_8689951	NC_021163.1	Ca_kabuli_chr04	8689951	CC	AA	1940274590
SNP_P1_54746_8689967	NC_021163.1	Ca_kabuli_chr04	8689967	AA	GG	1940274592
SNP_P1_54747_8689975	NC_021163.1	Ca_kabuli_chr04	8689975	TT	CC	1940274595
SNP_P1_54748_8690027	NC_021163.1	Ca_kabuli_chr04	8690027	AA	TT	1940274597
SNP_P1_54749_8690043	NC_021163.1	Ca_kabuli_chr04	8690043	GG	AA	1940274599
SNP_P1_54750_8690046	NC_021163.1	Ca_kabuli_chr04	8690046	TT	AA	1940274601
SNP_P1_54751_8690052	NC_021163.1	Ca_kabuli_chr04	8690052	AA	TT	1940274602
SNP_P1_54752_8690203	NC_021163.1	Ca_kabuli_chr04	8690203	AA	GG	1940274604
SNP_P1_54753_8690219	NC_021163.1	Ca_kabuli_chr04	8690219	CC	TT	1940274606
SNP_P1_54754_8690253	NC_021163.1	Ca_kabuli_chr04	8690253	AA	TT	1940274607
SNP_P1_54755_8690313	NC_021163.1	Ca_kabuli_chr04	8690313	AA	GG	1940274609
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SNP_P1_54757_8690423	NC_021163.1	Ca_kabuli_chr04	8690423	AA	GG	1940274612
SNP_P1_54758_8690435	NC_021163.1	Ca_kabuli_chr04	8690435	AA	CC	1940274614
SNP_P1_54759_8690491	NC_021163.1	Ca_kabuli_chr04	8690491	AA	GG	1940274615
SNP_P1_54760_8690665	NC_021163.1	Ca_kabuli_chr04	8690665	AA	GG	1940274617
SNP_P1_54762_8694091	NC_021163.1	Ca_kabuli_chr04	8694091	GG	AA	1940274619
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SNP_P1_54765_8694889	NC_021163.1	Ca_kabuli_chr04	8694889	TT	CC	1940274625
SNP_P1_54766_8695079	NC_021163.1	Ca_kabuli_chr04	8695079	CC	TT	1940274627
SNP_P1_54767_8695379	NC_021163.1	Ca_kabuli_chr04	8695379	TT	GG	1940274629
SNP_P1_54768_8695562	NC_021163.1	Ca_kabuli_chr04	8695562	TT	CC	1940274631
SNP_P1_54769_8697475	NC_021163.1	Ca_kabuli_chr04	8697475	TT	GG	1940274633
SNP_P1_54770_8697938	NC_021163.1	Ca_kabuli_chr04	8697938	AA	GG	1940274635
SNP_P1_54771_8698120	NC_021163.1	Ca_kabuli_chr04	8698120	TT	CC	1940274636
SNP_P1_54772_8698244	NC_021163.1	Ca_kabuli_chr04	8698244	AA	GG	1940274638
SNP_P1_54773_8698561	NC_021163.1	Ca_kabuli_chr04	8698561	GG	AA	1940274640
SNP_P1_54775_8699718	NC_021163.1	Ca_kabuli_chr04	8699718	CC	TT	1940274641
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SNP_P1_54777_8701100	NC_021163.1	Ca_kabuli_chr04	8701100	AA	GG	1940274644
SNP_P1_54778_8701104	NC_021163.1	Ca_kabuli_chr04	8701104	CC	AA	1940274646
SNP_P1_54779_8701136	NC_021163.1	Ca_kabuli_chr04	8701136	CC	TT	1940274648
SNP_P1_54780_8701301	NC_021163.1	Ca_kabuli_chr04	8701301	AA	GG	1940274650

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54784_8704915	NC_021163.1	Ca_kabuli_chr04	8704915	AA	TT	1940274656
SNP_P1_54785_8704943	NC_021163.1	Ca_kabuli_chr04	8704943	GG	CC	1940274658
SNP_P1_54786_8705007	NC_021163.1	Ca_kabuli_chr04	8705007	TT	CC	1940274660
SNP_P1_54788_8705214	NC_021163.1	Ca_kabuli_chr04	8705214	TT	GG	1940274662
SNP_P1_54790_8706530	NC_021163.1	Ca_kabuli_chr04	8706530	TT	CC	1940274664
SNP_P1_54791_8706569	NC_021163.1	Ca_kabuli_chr04	8706569	TT	AA	1940274666
SNP_P1_54793_8706882	NC_021163.1	Ca_kabuli_chr04	8706882	AA	GG	1940274668
SNP_P1_54794_8706892	NC_021163.1	Ca_kabuli_chr04	8706892	TT	CC	1940274669
SNP_P1_54795_8706908	NC_021163.1	Ca_kabuli_chr04	8706908	TT	CC	1940274671
SNP_P1_54796_8706944	NC_021163.1	Ca_kabuli_chr04	8706944	TT	CC	1940274672
SNP_P1_54797_8707231	NC_021163.1	Ca_kabuli_chr04	8707231	CC	GG	1940274674
SNP_P1_54798_8707724	NC_021163.1	Ca_kabuli_chr04	8707724	AA	CC	1940274676
SNP_P1_54799_8707731	NC_021163.1	Ca_kabuli_chr04	8707731	TT	CC	1940274677
SNP_P1_54800_8707743	NC_021163.1	Ca_kabuli_chr04	8707743	TT	CC	1940274679
SNP_P1_54801_8707792	NC_021163.1	Ca_kabuli_chr04	8707792	CC	TT	1940274680
SNP_P1_54802_8707984	NC_021163.1	Ca_kabuli_chr04	8707984	TT	GG	1940274682
SNP_P1_54803_8707995	NC_021163.1	Ca_kabuli_chr04	8707995	GG	AA	1940274683
SNP_P1_54805_8708229	NC_021163.1	Ca_kabuli_chr04	8708229	CC	AA	1940274685
SNP_P1_54806_8708245	NC_021163.1	Ca_kabuli_chr04	8708245	GG	AA	1940274686
SNP_P1_54807_8708246	NC_021163.1	Ca_kabuli_chr04	8708246	GG	AA	1940274688
SNP_P1_54809_8708353	NC_021163.1	Ca_kabuli_chr04	8708353	TT	CC	1940274689
SNP_P1_54811_8708507	NC_021163.1	Ca_kabuli_chr04	8708507	TT	CC	1940274691
SNP_P1_54812_8708519	NC_021163.1	Ca_kabuli_chr04	8708519	CC	TT	1940274692
SNP_P1_54813_8709072	NC_021163.1	Ca_kabuli_chr04	8709072	TT	CC	1940274693
SNP_P1_54814_8709097	NC_021163.1	Ca_kabuli_chr04	8709097	CC	AA	1940274695
SNP_P1_54815_8709390	NC_021163.1	Ca_kabuli_chr04	8709390	CC	GG	1940274696
SNP_P1_54817_8709558	NC_021163.1	Ca_kabuli_chr04	8709558	AA	CC	1940274697
SNP_P1_54818_8709571	NC_021163.1	Ca_kabuli_chr04	8709571	CC	GG	1940274699
SNP_P1_54819_8709642	NC_021163.1	Ca_kabuli_chr04	8709642	GG	AA	1940274700
SNP_P1_54820_8709643	NC_021163.1	Ca_kabuli_chr04	8709643	AA	GG	1940274701
SNP_P1_54823_8709911	NC_021163.1	Ca_kabuli_chr04	8709911	TT	CC	1940274703
SNP_P1_54824_8709925	NC_021163.1	Ca_kabuli_chr04	8709925	TT	CC	1940274704
SNP_P1_54825_8710073	NC_021163.1	Ca_kabuli_chr04	8710073	AA	GG	1940274705
SNP_P1_54826_8711148	NC_021163.1	Ca_kabuli_chr04	8711148	AA	GG	1940274706
SNP_P1_54828_8711391	NC_021163.1	Ca_kabuli_chr04	8711391	GG	TT	1940274708
SNP_P1_54829_8711434	NC_021163.1	Ca_kabuli_chr04	8711434	TT	CC	1940274709
SNP_P1_54830_8711862	NC_021163.1	Ca_kabuli_chr04	8711862	CC	AA	1940274710
SNP_P1_54832_8712137	NC_021163.1	Ca_kabuli_chr04	8712137	GG	AA	1940274711
SNP_P1_54834_8713259	NC_021163.1	Ca_kabuli_chr04	8713259	AA	TT	1940274713
SNP_P1_54835_8713889	NC_021163.1	Ca_kabuli_chr04	8713889	AA	TT	1940274714

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_54836_8713945	NC_021163.1	Ca_kabuli_chr04	8713945	TT	GG	1940274715
SNP_P1_54837_8714327	NC_021163.1	Ca_kabuli_chr04	8714327	GG	AA	1940274716
SNP_P1_54838_8714330	NC_021163.1	Ca_kabuli_chr04	8714330	AA	GG	1940274718
SNP_P1_54839_8714336	NC_021163.1	Ca_kabuli_chr04	8714336	GG	AA	1940274719
SNP_P1_54840_8714338	NC_021163.1	Ca_kabuli_chr04	8714338	GG	AA	1940274720
SNP_P1_54841_8714360	NC_021163.1	Ca_kabuli_chr04	8714360	AA	GG	1940274721
SNP_P1_54842_8714378	NC_021163.1	Ca_kabuli_chr04	8714378	TT	CC	1940274723
SNP_P1_54843_8715351	NC_021163.1	Ca_kabuli_chr04	8715351	AA	CC	1940274724
SNP_P1_54844_8719020	NC_021163.1	Ca_kabuli_chr04	8719020	CC	AA	1940274725
SNP_P1_54845_8719050	NC_021163.1	Ca_kabuli_chr04	8719050	CC	TT	1940274726
SNP_P1_54846_8719375	NC_021163.1	Ca_kabuli_chr04	8719375	TT	CC	1940274728
SNP_P1_54847_8720049	NC_021163.1	Ca_kabuli_chr04	8720049	CC	AA	1940274729
SNP_P1_54849_8720952	NC_021163.1	Ca_kabuli_chr04	8720952	CC	AA	1940274730
SNP_P1_54850_8721103	NC_021163.1	Ca_kabuli_chr04	8721103	GG	AA	1940274731
SNP_P1_54851_8721220	NC_021163.1	Ca_kabuli_chr04	8721220	CC	TT	1940274733
SNP_P1_54852_8721421	NC_021163.1	Ca_kabuli_chr04	8721421	CC	AA	1940274734
SNP_P1_54853_8721555	NC_021163.1	Ca_kabuli_chr04	8721555	CC	TT	1940274735
SNP_P1_54854_8721582	NC_021163.1	Ca_kabuli_chr04	8721582	TT	AA	1940274736
SNP_P1_54855_8721595	NC_021163.1	Ca_kabuli_chr04	8721595	CC	TT	1940274738
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SNP_P1_54858_8721631	NC_021163.1	Ca_kabuli_chr04	8721631	AA	GG	1940274741
SNP_P1_54859_8721632	NC_021163.1	Ca_kabuli_chr04	8721632	AA	TT	1940274743
SNP_P1_54860_8721660	NC_021163.1	Ca_kabuli_chr04	8721660	CC	TT	1940274744
SNP_P1_54861_8721662	NC_021163.1	Ca_kabuli_chr04	8721662	GG	AA	1940274745
SNP_P1_54862_8721689	NC_021163.1	Ca_kabuli_chr04	8721689	GG	AA	1940274746
SNP_P1_54864_8723173	NC_021163.1	Ca_kabuli_chr04	8723173	GG	AA	1940274748
SNP_P1_54866_8723882	NC_021163.1	Ca_kabuli_chr04	8723882	AA	CC	1940274749
SNP_P1_54867_8723960	NC_021163.1	Ca_kabuli_chr04	8723960	TT	CC	1940274750
SNP_P1_54868_8723964	NC_021163.1	Ca_kabuli_chr04	8723964	TT	CC	1940274751
SNP_P1_54870_8724047	NC_021163.1	Ca_kabuli_chr04	8724047	AA	GG	1940274752
SNP_P1_54871_8724198	NC_021163.1	Ca_kabuli_chr04	8724198	GG	AA	1940274753
SNP_P1_54872_8724229	NC_021163.1	Ca_kabuli_chr04	8724229	AA	GG	1940274755
SNP_P1_54873_8725484	NC_021163.1	Ca_kabuli_chr04	8725484	GG	AA	1940274756
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SNP_P1_54875_8725666	NC_021163.1	Ca_kabuli_chr04	8725666	CC	TT	1940274758
SNP_P1_54876_8725703	NC_021163.1	Ca_kabuli_chr04	8725703	CC	TT	1940274759
SNP_P1_54877_8725756	NC_021163.1	Ca_kabuli_chr04	8725756	GG	AA	1940274760
SNP_P1_54878_8725964	NC_021163.1	Ca_kabuli_chr04	8725964	GG	TT	1940274761
SNP_P1_54879_8725970	NC_021163.1	Ca_kabuli_chr04	8725970	GG	TT	1940274762
SNP_P1_54880_8725987	NC_021163.1	Ca_kabuli_chr04	8725987	AA	GG	1940274764
SNP_P1_54881_8726006	NC_021163.1	Ca_kabuli_chr04	8726006	GG	AA	1940274765

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54883_8726314	NC_021163.1	Ca_kabuli_chr04	8726314	GG	AA	1940274767
SNP_P1_54884_8726319	NC_021163.1	Ca_kabuli_chr04	8726319	CC	TT	1940274768
SNP_P1_54885_8726342	NC_021163.1	Ca_kabuli_chr04	8726342	CC	TT	1940274769
SNP_P1_54886_8727209	NC_021163.1	Ca_kabuli_chr04	8727209	CC	AA	1940274770
SNP_P1_54888_8728269	NC_021163.1	Ca_kabuli_chr04	8728269	GG	AA	1940274771
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SNP_P1_54890_8729151	NC_021163.1	Ca_kabuli_chr04	8729151	GG	AA	1940274773
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SNP_P1_54892_8729476	NC_021163.1	Ca_kabuli_chr04	8729476	GG	TT	1940274776
SNP_P1_54893_8729964	NC_021163.1	Ca_kabuli_chr04	8729964	CC	TT	1940274777
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SNP_P1_54900_8730710	NC_021163.1	Ca_kabuli_chr04	8730710	TT	CC	1940274782
SNP_P1_54901_8730711	NC_021163.1	Ca_kabuli_chr04	8730711	GG	AA	1940274784
SNP_P1_54902_8730728	NC_021163.1	Ca_kabuli_chr04	8730728	CC	AA	1940274785
SNP_P1_54903_8730736	NC_021163.1	Ca_kabuli_chr04	8730736	CC	TT	1940274786
SNP_P1_54904_8730781	NC_021163.1	Ca_kabuli_chr04	8730781	AA	TT	1940274787
SNP_P1_54905_8733001	NC_021163.1	Ca_kabuli_chr04	8733001	TT	CC	1940274788
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SNP_P1_54908_8734140	NC_021163.1	Ca_kabuli_chr04	8734140	CC	TT	1940274790
SNP_P1_54909_8734156	NC_021163.1	Ca_kabuli_chr04	8734156	AA	TT	1940274792
SNP_P1_54910_8734404	NC_021163.1	Ca_kabuli_chr04	8734404	GG	AA	1940274793
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SNP_P1_54915_8735169	NC_021163.1	Ca_kabuli_chr04	8735169	GG	TT	1940274797
SNP_P1_54916_8736143	NC_021163.1	Ca_kabuli_chr04	8736143	CC	TT	1940274798
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SNP_P1_54919_8737219	NC_021163.1	Ca_kabuli_chr04	8737219	AA	CC	1940274801
SNP_P1_54920_8737225	NC_021163.1	Ca_kabuli_chr04	8737225	CC	TT	1940274802
SNP_P1_54921_8737257	NC_021163.1	Ca_kabuli_chr04	8737257	TT	CC	1940274803
SNP_P1_54922_8737317	NC_021163.1	Ca_kabuli_chr04	8737317	GG	AA	1940274804
SNP_P1_54923_8737682	NC_021163.1	Ca_kabuli_chr04	8737682	CC	TT	1940274805
SNP_P1_54924_8737804	NC_021163.1	Ca_kabuli_chr04	8737804	TT	CC	1940274807
SNP_P1_54925_8741084	NC_021163.1	Ca_kabuli_chr04	8741084	AA	GG	1940274808
SNP_P1_54926_8742881	NC_021163.1	Ca_kabuli_chr04	8742881	GG	CC	1940274809
SNP_P1_54928_8743010	NC_021163.1	Ca_kabuli_chr04	8743010	AA	GG	1940274810
SNP_P1_54929_8743075	NC_021163.1	Ca_kabuli_chr04	8743075	TT	GG	1940274812
SNP_P1_54930_8743288	NC_021163.1	Ca_kabuli_chr04	8743288	AA	TT	1940274813

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54935_8743777	NC_021163.1	Ca_kabuli_chr04	8743777	AA	GG	1940274819
SNP_P1_54936_8744345	NC_021163.1	Ca_kabuli_chr04	8744345	GG	AA	1940274820
SNP_P1_54937_8744400	NC_021163.1	Ca_kabuli_chr04	8744400	CC	TT	1940274821
SNP_P1_54938_8744453	NC_021163.1	Ca_kabuli_chr04	8744453	GG	AA	1940274822
SNP_P1_54939_8744669	NC_021163.1	Ca_kabuli_chr04	8744669	AA	GG	1940274824
SNP_P1_54940_8745555	NC_021163.1	Ca_kabuli_chr04	8745555	TT	CC	1940274825
SNP_P1_54941_8745657	NC_021163.1	Ca_kabuli_chr04	8745657	TT	CC	1940274826
SNP_P1_54942_8745703	NC_021163.1	Ca_kabuli_chr04	8745703	TT	CC	1940274827
SNP_P1_54943_8745708	NC_021163.1	Ca_kabuli_chr04	8745708	CC	TT	1940274828
SNP_P1_54944_8745712	NC_021163.1	Ca_kabuli_chr04	8745712	CC	TT	1940274829
SNP_P1_54945_8746027	NC_021163.1	Ca_kabuli_chr04	8746027	CC	TT	1940274830
SNP_P1_54946_8746063	NC_021163.1	Ca_kabuli_chr04	8746063	AA	GG	1940274832
SNP_P1_54947_8746210	NC_021163.1	Ca_kabuli_chr04	8746210	TT	AA	1940274833
SNP_P1_54948_8746356	NC_021163.1	Ca_kabuli_chr04	8746356	AA	GG	1940274834
SNP_P1_54949_8746396	NC_021163.1	Ca_kabuli_chr04	8746396	TT	CC	1940274835
SNP_P1_54950_8746519	NC_021163.1	Ca_kabuli_chr04	8746519	AA	GG	1940274836
SNP_P1_54951_8746528	NC_021163.1	Ca_kabuli_chr04	8746528	GG	AA	1940274838
SNP_P1_54952_8746600	NC_021163.1	Ca_kabuli_chr04	8746600	CC	AA	1940274839
SNP_P1_54953_8746671	NC_021163.1	Ca_kabuli_chr04	8746671	CC	TT	1940274840
SNP_P1_54954_8747017	NC_021163.1	Ca_kabuli_chr04	8747017	CC	TT	1940274841
SNP_P1_54955_8747021	NC_021163.1	Ca_kabuli_chr04	8747021	GG	AA	1940274842
SNP_P1_54956_8747126	NC_021163.1	Ca_kabuli_chr04	8747126	CC	TT	1940274844
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SNP_P1_54958_8748072	NC_021163.1	Ca_kabuli_chr04	8748072	AA	TT	1940274846
SNP_P1_54959_8748103	NC_021163.1	Ca_kabuli_chr04	8748103	AA	CC	1940274847
SNP_P1_54962_8748377	NC_021163.1	Ca_kabuli_chr04	8748377	CC	TT	1940274848
SNP_P1_54963_8748694	NC_021163.1	Ca_kabuli_chr04	8748694	TT	CC	1940274850
SNP_P1_54965_8748995	NC_021163.1	Ca_kabuli_chr04	8748995	CC	TT	1940274851
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SNP_P1_54968_8749717	NC_021163.1	Ca_kabuli_chr04	8749717	GG	AA	1940274854
SNP_P1_54969_8749769	NC_021163.1	Ca_kabuli_chr04	8749769	AA	GG	1940274855
SNP_P1_54970_8750627	NC_021163.1	Ca_kabuli_chr04	8750627	AA	GG	1940274857
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SNP_P1_54972_8751207	NC_021163.1	Ca_kabuli_chr04	8751207	AA	TT	1940274860
SNP_P1_54974_8751377	NC_021163.1	Ca_kabuli_chr04	8751377	GG	CC	1940274861
SNP_P1_54975_8752561	NC_021163.1	Ca_kabuli_chr04	8752561	TT	AA	1940274863
SNP_P1_54977_8753347	NC_021163.1	Ca_kabuli_chr04	8753347	TT	CC	1940274864
SNP_P1_54978_8753611	NC_021163.1	Ca_kabuli_chr04	8753611	CC	TT	1940274865

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_54983_8754624	NC_021163.1	Ca_kabuli_chr04	8754624	GG	CC	1940274869
SNP_P1_54984_8754651	NC_021163.1	Ca_kabuli_chr04	8754651	CC	TT	1940274871
SNP_P1_54985_8756677	NC_021163.1	Ca_kabuli_chr04	8756677	CC	TT	1940274872
SNP_P1_54986_8756851	NC_021163.1	Ca_kabuli_chr04	8756851	TT	AA	1940274874
SNP_P1_54987_8756883	NC_021163.1	Ca_kabuli_chr04	8756883	AA	TT	1940274875
SNP_P1_54988_8756925	NC_021163.1	Ca_kabuli_chr04	8756925	GG	AA	1940274877
SNP_P1_54990_8757770	NC_021163.1	Ca_kabuli_chr04	8757770	GG	AA	1940274879
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SNP_P1_55007_8765117	NC_021163.1	Ca_kabuli_chr04	8765117	AA	GG	1940274899
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SNP_P1_55018_8766978	NC_021163.1	Ca_kabuli_chr04	8766978	AA	TT	1940274915
SNP_P1_55019_8767069	NC_021163.1	Ca_kabuli_chr04	8767069	CC	GG	1940274916
SNP_P1_55020_8767223	NC_021163.1	Ca_kabuli_chr04	8767223	AA	GG	1940274918
SNP_P1_55021_8767295	NC_021163.1	Ca_kabuli_chr04	8767295	GG	AA	1940274919
SNP_P1_55022_8767305	NC_021163.1	Ca_kabuli_chr04	8767305	AA	GG	1940274921
SNP_P1_55023_8767462	NC_021163.1	Ca_kabuli_chr04	8767462	GG	CC	1940274923
SNP_P1_55024_8767490	NC_021163.1	Ca_kabuli_chr04	8767490	TT	GG	1940274924
SNP_P1_55025_8767509	NC_021163.1	Ca_kabuli_chr04	8767509	GG	AA	1940274926
SNP_P1_55026_8767539	NC_021163.1	Ca_kabuli_chr04	8767539	TT	AA	1940274927

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55029_8768264	NC_021163.1	Ca_kabuli_chr04	8768264	CC	AA	1940274932
SNP_P1_55030_8768662	NC_021163.1	Ca_kabuli_chr04	8768662	AA	GG	1940274934
SNP_P1_55031_8769849	NC_021163.1	Ca_kabuli_chr04	8769849	AA	GG	1940274935
SNP_P1_55032_8769862	NC_021163.1	Ca_kabuli_chr04	8769862	CC	TT	1940274937
SNP_P1_55033_8769881	NC_021163.1	Ca_kabuli_chr04	8769881	AA	TT	1940274938
SNP_P1_55034_8771633	NC_021163.1	Ca_kabuli_chr04	8771633	CC	TT	1940274940
SNP_P1_55035_8772248	NC_021163.1	Ca_kabuli_chr04	8772248	GG	TT	1940274942
SNP_P1_55036_8773892	NC_021163.1	Ca_kabuli_chr04	8773892	AA	GG	1940274943
SNP_P1_55037_8774188	NC_021163.1	Ca_kabuli_chr04	8774188	AA	GG	1940274945
SNP_P1_55038_8774189	NC_021163.1	Ca_kabuli_chr04	8774189	GG	AA	1940274946
SNP_P1_55039_8774196	NC_021163.1	Ca_kabuli_chr04	8774196	AA	TT	1940274948
SNP_P1_55040_8774215	NC_021163.1	Ca_kabuli_chr04	8774215	AA	GG	1940274949
SNP_P1_55041_8774248	NC_021163.1	Ca_kabuli_chr04	8774248	TT	CC	1940274951
SNP_P1_55042_8774249	NC_021163.1	Ca_kabuli_chr04	8774249	CC	TT	1940274952
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SNP_P1_55046_8774437	NC_021163.1	Ca_kabuli_chr04	8774437	GG	AA	1940274957
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SNP_P1_55051_8775531	NC_021163.1	Ca_kabuli_chr04	8775531	CC	TT	1940274964
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SNP_P1_55057_8781699	NC_021163.1	Ca_kabuli_chr04	8781699	GG	AA	1940274971
SNP_P1_55058_8781714	NC_021163.1	Ca_kabuli_chr04	8781714	TT	CC	1940274973
SNP_P1_55059_8781734	NC_021163.1	Ca_kabuli_chr04	8781734	AA	GG	1940274974
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SNP_P1_55061_8781754	NC_021163.1	Ca_kabuli_chr04	8781754	GG	AA	1940274977
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SNP_P1_55063_8782201	NC_021163.1	Ca_kabuli_chr04	8782201	GG	AA	1940274980
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SNP_P1_55068_8784139	NC_021163.1	Ca_kabuli_chr04	8784139	GG	AA	1940274989
SNP_P1_55069_8784159	NC_021163.1	Ca_kabuli_chr04	8784159	CC	TT	1940274990
SNP_P1_55070_8784188	NC_021163.1	Ca_kabuli_chr04	8784188	AA	CC	1940274992

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55074_8785609	NC_021163.1	Ca_kabuli_chr04	8785609	AA	CC	1940274998
SNP_P1_55075_8785676	NC_021163.1	Ca_kabuli_chr04	8785676	GG	AA	1940275000
SNP_P1_55076_8787230	NC_021163.1	Ca_kabuli_chr04	8787230	CC	TT	1940275001
SNP_P1_55077_8787281	NC_021163.1	Ca_kabuli_chr04	8787281	AA	GG	1940275003
SNP_P1_55079_8787607	NC_021163.1	Ca_kabuli_chr04	8787607	CC	TT	1940275005
SNP_P1_55081_8788383	NC_021163.1	Ca_kabuli_chr04	8788383	CC	AA	1940275006
SNP_P1_55082_8788397	NC_021163.1	Ca_kabuli_chr04	8788397	GG	AA	1940275008
SNP_P1_55085_8791160	NC_021163.1	Ca_kabuli_chr04	8791160	TT	CC	1940275009
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SNP_P1_55092_8792849	NC_021163.1	Ca_kabuli_chr04	8792849	TT	CC	1940275021
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SNP_P1_55117_8799593	NC_021163.1	Ca_kabuli_chr04	8799593	TT	AA	1940275051
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SNP_P1_55122_8800393	NC_021163.1	Ca_kabuli_chr04	8800393	TT	CC	1940275058
SNP_P1_55123_8800413	NC_021163.1	Ca_kabuli_chr04	8800413	CC	TT	1940275059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55126_8800498	NC_021163.1	Ca_kabuli_chr04	8800498	TT	GG	1940275064
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SNP_P1_55149_8817327	NC_021163.1	Ca_kabuli_chr04	8817327	CC	GG	1940275091
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SNP_P1_55151_8817607	NC_021163.1	Ca_kabuli_chr04	8817607	AA	GG	1940275095
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SNP_P1_55158_8818683	NC_021163.1	Ca_kabuli_chr04	8818683	TT	AA	1940275106
SNP_P1_55159_8826308	NC_021163.1	Ca_kabuli_chr04	8826308	GG	CC	1940275108
SNP_P1_55160_8826696	NC_021163.1	Ca_kabuli_chr04	8826696	CC	GG	1940275109
SNP_P1_55161_8826812	NC_021163.1	Ca_kabuli_chr04	8826812	AA	CC	1940275111
SNP_P1_55162_8827011	NC_021163.1	Ca_kabuli_chr04	8827011	CC	AA	1940275112
SNP_P1_55163_8827106	NC_021163.1	Ca_kabuli_chr04	8827106	TT	CC	1940275114
SNP_P1_55164_8827197	NC_021163.1	Ca_kabuli_chr04	8827197	CC	TT	1940275116
SNP_P1_55165_8827396	NC_021163.1	Ca_kabuli_chr04	8827396	CC	GG	1940275117
SNP_P1_55166_8827441	NC_021163.1	Ca_kabuli_chr04	8827441	TT	CC	1940275119
SNP_P1_55167_8827954	NC_021163.1	Ca_kabuli_chr04	8827954	CC	AA	1940275120
SNP_P1_55168_8829010	NC_021163.1	Ca_kabuli_chr04	8829010	AA	GG	1940275122
SNP_P1_55169_8829018	NC_021163.1	Ca_kabuli_chr04	8829018	CC	GG	1940275124
SNP_P1_55170_8829255	NC_021163.1	Ca_kabuli_chr04	8829255	AA	GG	1940275125
SNP_P1_55171_8829280	NC_021163.1	Ca_kabuli_chr04	8829280	TT	CC	1940275127

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55173_8829368	NC_021163.1	Ca_kabuli_chr04	8829368	TT	CC	1940275130
SNP_P1_55174_8829585	NC_021163.1	Ca_kabuli_chr04	8829585	TT	CC	1940275132
SNP_P1_55175_8829683	NC_021163.1	Ca_kabuli_chr04	8829683	GG	AA	1940275133
SNP_P1_55176_8829936	NC_021163.1	Ca_kabuli_chr04	8829936	TT	AA	1940275135
SNP_P1_55177_8830155	NC_021163.1	Ca_kabuli_chr04	8830155	CC	TT	1940275136
SNP_P1_55178_8830529	NC_021163.1	Ca_kabuli_chr04	8830529	GG	AA	1940275138
SNP_P1_55179_8830533	NC_021163.1	Ca_kabuli_chr04	8830533	TT	AA	1940275140
SNP_P1_55180_8830552	NC_021163.1	Ca_kabuli_chr04	8830552	GG	AA	1940275141
SNP_P1_55181_8830565	NC_021163.1	Ca_kabuli_chr04	8830565	TT	CC	1940275143
SNP_P1_55182_8830703	NC_021163.1	Ca_kabuli_chr04	8830703	CC	TT	1940275144
SNP_P1_55183_8830706	NC_021163.1	Ca_kabuli_chr04	8830706	TT	AA	1940275146
SNP_P1_55184_8831763	NC_021163.1	Ca_kabuli_chr04	8831763	CC	TT	1940275148
SNP_P1_55185_8831785	NC_021163.1	Ca_kabuli_chr04	8831785	TT	AA	1940275149
SNP_P1_55186_8831811	NC_021163.1	Ca_kabuli_chr04	8831811	CC	AA	1940275151
SNP_P1_55187_8831829	NC_021163.1	Ca_kabuli_chr04	8831829	CC	TT	1940275152
SNP_P1_55188_8833651	NC_021163.1	Ca_kabuli_chr04	8833651	GG	AA	1940275154
SNP_P1_55189_8834014	NC_021163.1	Ca_kabuli_chr04	8834014	CC	TT	1940275156
SNP_P1_55190_8834268	NC_021163.1	Ca_kabuli_chr04	8834268	TT	CC	1940275157
SNP_P1_55191_8834273	NC_021163.1	Ca_kabuli_chr04	8834273	CC	TT	1940275159
SNP_P1_55192_8834283	NC_021163.1	Ca_kabuli_chr04	8834283	GG	AA	1940275160
SNP_P1_55193_8834290	NC_021163.1	Ca_kabuli_chr04	8834290	TT	CC	1940275161
SNP_P1_55194_8834322	NC_021163.1	Ca_kabuli_chr04	8834322	TT	CC	1940275163
SNP_P1_55195_8834346	NC_021163.1	Ca_kabuli_chr04	8834346	GG	TT	1940275164
SNP_P1_55196_8834556	NC_021163.1	Ca_kabuli_chr04	8834556	CC	TT	1940275166
SNP_P1_55197_8834905	NC_021163.1	Ca_kabuli_chr04	8834905	GG	AA	1940275167
SNP_P1_55198_8836040	NC_021163.1	Ca_kabuli_chr04	8836040	TT	CC	1940275168
SNP_P1_55200_8836445	NC_021163.1	Ca_kabuli_chr04	8836445	CC	TT	1940275170
SNP_P1_55201_8836484	NC_021163.1	Ca_kabuli_chr04	8836484	CC	TT	1940275171
SNP_P1_55202_8836491	NC_021163.1	Ca_kabuli_chr04	8836491	GG	AA	1940275172
SNP_P1_55203_8836523	NC_021163.1	Ca_kabuli_chr04	8836523	AA	CC	1940275174
SNP_P1_55204_8836577	NC_021163.1	Ca_kabuli_chr04	8836577	TT	GG	1940275175
SNP_P1_55208_8837442	NC_021163.1	Ca_kabuli_chr04	8837442	TT	AA	1940275177
SNP_P1_55209_8837443	NC_021163.1	Ca_kabuli_chr04	8837443	CC	TT	1940275179
SNP_P1_55210_8837508	NC_021163.1	Ca_kabuli_chr04	8837508	TT	GG	1940275180
SNP_P1_55211_8839378	NC_021163.1	Ca_kabuli_chr04	8839378	GG	CC	1940275182
SNP_P1_55212_8839393	NC_021163.1	Ca_kabuli_chr04	8839393	CC	TT	1940275183
SNP_P1_55213_8839418	NC_021163.1	Ca_kabuli_chr04	8839418	AA	GG	1940275185
SNP_P1_55214_8839438	NC_021163.1	Ca_kabuli_chr04	8839438	AA	GG	1940275186
SNP_P1_55215_8839710	NC_021163.1	Ca_kabuli_chr04	8839710	GG	AA	1940275188
SNP_P1_55216_8839833	NC_021163.1	Ca_kabuli_chr04	8839833	CC	TT	1940275189
SNP_P1_55218_8840657	NC_021163.1	Ca_kabuli_chr04	8840657	GG	TT	1940275191

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55221_8841008	NC_021163.1	Ca_kabuli_chr04	8841008	TT	AA	1940275195
SNP_P1_55222_8841055	NC_021163.1	Ca_kabuli_chr04	8841055	CC	TT	1940275197
SNP_P1_55223_8841149	NC_021163.1	Ca_kabuli_chr04	8841149	TT	GG	1940275198
SNP_P1_55224_8841224	NC_021163.1	Ca_kabuli_chr04	8841224	TT	CC	1940275200
SNP_P1_55225_8841236	NC_021163.1	Ca_kabuli_chr04	8841236	TT	CC	1940275201
SNP_P1_55227_8842832	NC_021163.1	Ca_kabuli_chr04	8842832	AA	GG	1940275203
SNP_P1_55228_8843357	NC_021163.1	Ca_kabuli_chr04	8843357	CC	TT	1940275204
SNP_P1_55229_8843562	NC_021163.1	Ca_kabuli_chr04	8843562	AA	CC	1940275206
SNP_P1_55230_8846756	NC_021163.1	Ca_kabuli_chr04	8846756	AA	TT	1940275208
SNP_P1_55231_8846835	NC_021163.1	Ca_kabuli_chr04	8846835	AA	GG	1940275209
SNP_P1_55233_8847384	NC_021163.1	Ca_kabuli_chr04	8847384	AA	TT	1940275211
SNP_P1_55234_8849173	NC_021163.1	Ca_kabuli_chr04	8849173	GG	CC	1940275213
SNP_P1_55235_8850998	NC_021163.1	Ca_kabuli_chr04	8850998	TT	CC	1940275214
SNP_P1_55236_8851294	NC_021163.1	Ca_kabuli_chr04	8851294	AA	TT	1940275216
SNP_P1_55237_8851345	NC_021163.1	Ca_kabuli_chr04	8851345	AA	GG	1940275217
SNP_P1_55238_8851465	NC_021163.1	Ca_kabuli_chr04	8851465	AA	TT	1940275219
SNP_P1_55239_8851466	NC_021163.1	Ca_kabuli_chr04	8851466	CC	GG	1940275220
SNP_P1_55240_8853699	NC_021163.1	Ca_kabuli_chr04	8853699	CC	TT	1940275221
SNP_P1_55241_8855953	NC_021163.1	Ca_kabuli_chr04	8855953	TT	GG	1940275223
SNP_P1_55242_8857257	NC_021163.1	Ca_kabuli_chr04	8857257	GG	TT	1940275224
SNP_P1_55243_8858397	NC_021163.1	Ca_kabuli_chr04	8858397	CC	GG	1940275225
SNP_P1_55245_8858728	NC_021163.1	Ca_kabuli_chr04	8858728	AA	TT	1940275227
SNP_P1_55246_8859275	NC_021163.1	Ca_kabuli_chr04	8859275	TT	GG	1940275228
SNP_P1_55247_8859277	NC_021163.1	Ca_kabuli_chr04	8859277	AA	GG	1940275230
SNP_P1_55248_8859791	NC_021163.1	Ca_kabuli_chr04	8859791	AA	GG	1940275231
SNP_P1_55249_8860653	NC_021163.1	Ca_kabuli_chr04	8860653	CC	GG	1940275232
SNP_P1_55250_8860796	NC_021163.1	Ca_kabuli_chr04	8860796	GG	AA	1940275234
SNP_P1_55251_8861076	NC_021163.1	Ca_kabuli_chr04	8861076	CC	TT	1940275235
SNP_P1_55252_8861169	NC_021163.1	Ca_kabuli_chr04	8861169	AA	GG	1940275237
SNP_P1_55253_8861206	NC_021163.1	Ca_kabuli_chr04	8861206	GG	AA	1940275238
SNP_P1_55254_8861510	NC_021163.1	Ca_kabuli_chr04	8861510	GG	TT	1940275240
SNP_P1_55256_8862170	NC_021163.1	Ca_kabuli_chr04	8862170	AA	CC	1940275241
SNP_P1_55257_8862218	NC_021163.1	Ca_kabuli_chr04	8862218	CC	TT	1940275242
SNP_P1_55258_8862329	NC_021163.1	Ca_kabuli_chr04	8862329	TT	AA	1940275244
SNP_P1_55259_8862833	NC_021163.1	Ca_kabuli_chr04	8862833	TT	AA	1940275246
SNP_P1_55260_8862835	NC_021163.1	Ca_kabuli_chr04	8862835	TT	GG	1940275248
SNP_P1_55261_8864222	NC_021163.1	Ca_kabuli_chr04	8864222	GG	AA	1940275250
SNP_P1_55262_8864379	NC_021163.1	Ca_kabuli_chr04	8864379	AA	TT	1940275251
SNP_P1_55264_8865682	NC_021163.1	Ca_kabuli_chr04	8865682	CC	AA	1940275253
SNP_P1_55265_8866759	NC_021163.1	Ca_kabuli_chr04	8866759	TT	GG	1940275255

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_55266_8867179	NC_021163.1	Ca_kabuli_chr04	8867179	GG	AA	1940275256
SNP_P1_55267_8867191	NC_021163.1	Ca_kabuli_chr04	8867191	TT	GG	1940275258
SNP_P1_55269_8868117	NC_021163.1	Ca_kabuli_chr04	8868117	TT	CC	1940275260
SNP_P1_55270_8871341	NC_021163.1	Ca_kabuli_chr04	8871341	AA	CC	1940275261
SNP_P1_55271_8871613	NC_021163.1	Ca_kabuli_chr04	8871613	AA	GG	1940275263
SNP_P1_55272_8871887	NC_021163.1	Ca_kabuli_chr04	8871887	GG	CC	1940275265
SNP_P1_55273_8871890	NC_021163.1	Ca_kabuli_chr04	8871890	AA	CC	1940275266
SNP_P1_55274_8872349	NC_021163.1	Ca_kabuli_chr04	8872349	AA	CC	1940275268
SNP_P1_55275_8872632	NC_021163.1	Ca_kabuli_chr04	8872632	GG	CC	1940275270
SNP_P1_55276_8877051	NC_021163.1	Ca_kabuli_chr04	8877051	CC	TT	1940275271
SNP_P1_55277_8877249	NC_021163.1	Ca_kabuli_chr04	8877249	GG	CC	1940275273
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SNP_P1_55279_8878086	NC_021163.1	Ca_kabuli_chr04	8878086	GG	TT	1940275276
SNP_P1_55280_8878172	NC_021163.1	Ca_kabuli_chr04	8878172	TT	GG	1940275277
SNP_P1_55281_8878537	NC_021163.1	Ca_kabuli_chr04	8878537	AA	GG	1940275278
SNP_P1_55282_8878586	NC_021163.1	Ca_kabuli_chr04	8878586	GG	AA	1940275280
SNP_P1_55284_8879106	NC_021163.1	Ca_kabuli_chr04	8879106	CC	GG	1940275281
SNP_P1_55285_8879110	NC_021163.1	Ca_kabuli_chr04	8879110	TT	GG	1940275283
SNP_P1_55286_8879115	NC_021163.1	Ca_kabuli_chr04	8879115	AA	TT	1940275284
SNP_P1_55287_8879130	NC_021163.1	Ca_kabuli_chr04	8879130	TT	AA	1940275286
SNP_P1_55288_8879507	NC_021163.1	Ca_kabuli_chr04	8879507	GG	AA	1940275288
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SNP_P1_55291_8879663	NC_021163.1	Ca_kabuli_chr04	8879663	CC	TT	1940275292
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SNP_P1_55293_8881919	NC_021163.1	Ca_kabuli_chr04	8881919	AA	GG	1940275296
SNP_P1_55295_8882714	NC_021163.1	Ca_kabuli_chr04	8882714	AA	CC	1940275297
SNP_P1_55296_8882728	NC_021163.1	Ca_kabuli_chr04	8882728	GG	AA	1940275299
SNP_P1_55297_8882742	NC_021163.1	Ca_kabuli_chr04	8882742	AA	TT	1940275301
SNP_P1_55299_8884723	NC_021163.1	Ca_kabuli_chr04	8884723	TT	CC	1940275302
SNP_P1_55301_8884798	NC_021163.1	Ca_kabuli_chr04	8884798	AA	TT	1940275304
SNP_P1_55302_8884950	NC_021163.1	Ca_kabuli_chr04	8884950	AA	CC	1940275306
SNP_P1_55304_8884965	NC_021163.1	Ca_kabuli_chr04	8884965	AA	CC	1940275308
SNP_P1_55305_8884998	NC_021163.1	Ca_kabuli_chr04	8884998	CC	TT	1940275310
SNP_P1_55306_8885076	NC_021163.1	Ca_kabuli_chr04	8885076	AA	GG	1940275311
SNP_P1_55307_8885370	NC_021163.1	Ca_kabuli_chr04	8885370	TT	CC	1940275313
SNP_P1_55308_8885378	NC_021163.1	Ca_kabuli_chr04	8885378	GG	AA	1940275316
SNP_P1_55309_8885379	NC_021163.1	Ca_kabuli_chr04	8885379	AA	TT	1940275318
SNP_P1_55310_8885421	NC_021163.1	Ca_kabuli_chr04	8885421	TT	CC	1940275320
SNP_P1_55311_8885488	NC_021163.1	Ca_kabuli_chr04	8885488	GG	TT	1940275323
SNP_P1_55312_8885490	NC_021163.1	Ca_kabuli_chr04	8885490	CC	GG	1940275326
SNP_P1_55313_8885562	NC_021163.1	Ca_kabuli_chr04	8885562	AA	TT	1940275328
SNP_P1_55314_8885564	NC_021163.1	Ca_kabuli_chr04	8885564	TT	CC	1940275331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55316_8885577	NC_021163.1	Ca_kabuli_chr04	8885577	CC	TT	1940275337
SNP_P1_55317_8885615	NC_021163.1	Ca_kabuli_chr04	8885615	TT	AA	1940275340
SNP_P1_55320_8886472	NC_021163.1	Ca_kabuli_chr04	8886472	AA	TT	1940275342
SNP_P1_55321_8886585	NC_021163.1	Ca_kabuli_chr04	8886585	GG	CC	1940275343
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SNP_P1_55323_8886928	NC_021163.1	Ca_kabuli_chr04	8886928	AA	GG	1940275347
SNP_P1_55324_8887555	NC_021163.1	Ca_kabuli_chr04	8887555	CC	AA	1940275348
SNP_P1_55325_8889092	NC_021163.1	Ca_kabuli_chr04	8889092	TT	CC	1940275350
SNP_P1_55326_8889114	NC_021163.1	Ca_kabuli_chr04	8889114	GG	AA	1940275352
SNP_P1_55328_8889750	NC_021163.1	Ca_kabuli_chr04	8889750	TT	CC	1940275354
SNP_P1_55330_8889813	NC_021163.1	Ca_kabuli_chr04	8889813	GG	AA	1940275356
SNP_P1_55331_8889831	NC_021163.1	Ca_kabuli_chr04	8889831	TT	CC	1940275358
SNP_P1_55332_8890191	NC_021163.1	Ca_kabuli_chr04	8890191	AA	GG	1940275360
SNP_P1_55333_8890799	NC_021163.1	Ca_kabuli_chr04	8890799	AA	GG	1940275362
SNP_P1_55336_8891596	NC_021163.1	Ca_kabuli_chr04	8891596	TT	CC	1940275364
SNP_P1_55337_8891821	NC_021163.1	Ca_kabuli_chr04	8891821	CC	GG	1940275365
SNP_P1_55338_8893101	NC_021163.1	Ca_kabuli_chr04	8893101	GG	CC	1940275367
SNP_P1_55339_8893116	NC_021163.1	Ca_kabuli_chr04	8893116	CC	TT	1940275369
SNP_P1_55340_8893807	NC_021163.1	Ca_kabuli_chr04	8893807	GG	CC	1940275371
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SNP_P1_55342_8893823	NC_021163.1	Ca_kabuli_chr04	8893823	AA	GG	1940275374
SNP_P1_55343_8893853	NC_021163.1	Ca_kabuli_chr04	8893853	AA	TT	1940275376
SNP_P1_55344_8893864	NC_021163.1	Ca_kabuli_chr04	8893864	CC	AA	1940275378
SNP_P1_55345_8894031	NC_021163.1	Ca_kabuli_chr04	8894031	TT	CC	1940275379
SNP_P1_55346_8894121	NC_021163.1	Ca_kabuli_chr04	8894121	AA	GG	1940275381
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SNP_P1_55348_8894168	NC_021163.1	Ca_kabuli_chr04	8894168	GG	TT	1940275384
SNP_P1_55350_8894316	NC_021163.1	Ca_kabuli_chr04	8894316	AA	GG	1940275386
SNP_P1_55352_8895260	NC_021163.1	Ca_kabuli_chr04	8895260	GG	AA	1940275388
SNP_P1_55353_8895411	NC_021163.1	Ca_kabuli_chr04	8895411	GG	TT	1940275389
SNP_P1_55354_8895412	NC_021163.1	Ca_kabuli_chr04	8895412	AA	TT	1940275391
SNP_P1_55355_8895419	NC_021163.1	Ca_kabuli_chr04	8895419	AA	CC	1940275393
SNP_P1_55356_8895426	NC_021163.1	Ca_kabuli_chr04	8895426	AA	GG	1940275394
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SNP_P1_55358_8895458	NC_021163.1	Ca_kabuli_chr04	8895458	CC	TT	1940275398
SNP_P1_55359_8896208	NC_021163.1	Ca_kabuli_chr04	8896208	CC	AA	1940275400
SNP_P1_55361_8896451	NC_021163.1	Ca_kabuli_chr04	8896451	GG	TT	1940275402
SNP_P1_55362_8896573	NC_021163.1	Ca_kabuli_chr04	8896573	GG	AA	1940275404
SNP_P1_55363_8896589	NC_021163.1	Ca_kabuli_chr04	8896589	GG	CC	1940275406
SNP_P1_55364_8896762	NC_021163.1	Ca_kabuli_chr04	8896762	CC	TT	1940275408
SNP_P1_55365_8896822	NC_021163.1	Ca_kabuli_chr04	8896822	TT	CC	1940275410

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55367_8897205	NC_021163.1	Ca_kabuli_chr04	8897205	TT	CC	1940275413
SNP_P1_55368_8897305	NC_021163.1	Ca_kabuli_chr04	8897305	AA	GG	1940275415
SNP_P1_55369_8897430	NC_021163.1	Ca_kabuli_chr04	8897430	CC	AA	1940275417
SNP_P1_55371_8897539	NC_021163.1	Ca_kabuli_chr04	8897539	CC	TT	1940275419
SNP_P1_55372_8897848	NC_021163.1	Ca_kabuli_chr04	8897848	TT	GG	1940275421
SNP_P1_55373_8897890	NC_021163.1	Ca_kabuli_chr04	8897890	GG	AA	1940275422
SNP_P1_55374_8897902	NC_021163.1	Ca_kabuli_chr04	8897902	CC	TT	1940275424
SNP_P1_55375_8898031	NC_021163.1	Ca_kabuli_chr04	8898031	GG	AA	1940275426
SNP_P1_55376_8898191	NC_021163.1	Ca_kabuli_chr04	8898191	AA	CC	1940275427
SNP_P1_55378_8898276	NC_021163.1	Ca_kabuli_chr04	8898276	TT	CC	1940275429
SNP_P1_55379_8898300	NC_021163.1	Ca_kabuli_chr04	8898300	TT	CC	1940275430
SNP_P1_55381_8900478	NC_021163.1	Ca_kabuli_chr04	8900478	TT	AA	1940275431
SNP_P1_55383_8900837	NC_021163.1	Ca_kabuli_chr04	8900837	CC	GG	1940275433
SNP_P1_55384_8900898	NC_021163.1	Ca_kabuli_chr04	8900898	TT	AA	1940275434
SNP_P1_55385_8900906	NC_021163.1	Ca_kabuli_chr04	8900906	AA	CC	1940275436
SNP_P1_55386_8900907	NC_021163.1	Ca_kabuli_chr04	8900907	AA	TT	1940275437
SNP_P1_55388_8901286	NC_021163.1	Ca_kabuli_chr04	8901286	CC	AA	1940275439
SNP_P1_55390_8901755	NC_021163.1	Ca_kabuli_chr04	8901755	GG	AA	1940275440
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SNP_P1_55392_8901796	NC_021163.1	Ca_kabuli_chr04	8901796	TT	AA	1940275443
SNP_P1_55393_8903368	NC_021163.1	Ca_kabuli_chr04	8903368	GG	AA	1940275444
SNP_P1_55394_8903412	NC_021163.1	Ca_kabuli_chr04	8903412	TT	CC	1940275446
SNP_P1_55395_8903430	NC_021163.1	Ca_kabuli_chr04	8903430	TT	AA	1940275447
SNP_P1_55396_8903517	NC_021163.1	Ca_kabuli_chr04	8903517	AA	TT	1940275449
SNP_P1_55397_8903607	NC_021163.1	Ca_kabuli_chr04	8903607	CC	AA	1940275451
SNP_P1_55398_8903652	NC_021163.1	Ca_kabuli_chr04	8903652	TT	AA	1940275452
SNP_P1_55399_8903733	NC_021163.1	Ca_kabuli_chr04	8903733	GG	AA	1940275454
SNP_P1_55400_8903759	NC_021163.1	Ca_kabuli_chr04	8903759	TT	CC	1940275456
SNP_P1_55402_8903817	NC_021163.1	Ca_kabuli_chr04	8903817	CC	AA	1940275458
SNP_P1_55404_8904108	NC_021163.1	Ca_kabuli_chr04	8904108	CC	TT	1940275460
SNP_P1_55406_8906325	NC_021163.1	Ca_kabuli_chr04	8906325	GG	AA	1940275461
SNP_P1_55407_8906342	NC_021163.1	Ca_kabuli_chr04	8906342	AA	GG	1940275463
SNP_P1_55408_8909416	NC_021163.1	Ca_kabuli_chr04	8909416	TT	CC	1940275465
SNP_P1_55410_8962754	NC_021163.1	Ca_kabuli_chr04	8962754	TT	AA	1940275467
SNP_P1_55411_8971580	NC_021163.1	Ca_kabuli_chr04	8971580	CC	AA	1940275468
SNP_P1_55413_9010555	NC_021163.1	Ca_kabuli_chr04	9010555	GG	AA	1940275470
SNP_P1_55414_9015073	NC_021163.1	Ca_kabuli_chr04	9015073	AA	GG	1940275471
SNP_P1_55416_9026307	NC_021163.1	Ca_kabuli_chr04	9026307	AA	GG	1940275473
SNP_P1_55417_9026969	NC_021163.1	Ca_kabuli_chr04	9026969	TT	CC	1940275474
SNP_P1_55420_9041805	NC_021163.1	Ca_kabuli_chr04	9041805	CC	GG	1940275476
SNP_P1_55423_9057867	NC_021163.1	Ca_kabuli_chr04	9057867	TT	CC	1940275478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55427_9065358	NC_021163.1	Ca_kabuli_chr04	9065358	CC	TT	1940275486
SNP_P1_55428_9065856	NC_021163.1	Ca_kabuli_chr04	9065856	TT	AA	1940275488
SNP_P1_55429_9066176	NC_021163.1	Ca_kabuli_chr04	9066176	TT	AA	1940275490
SNP_P1_55430_9066214	NC_021163.1	Ca_kabuli_chr04	9066214	GG	TT	1940275491
SNP_P1_55431_9066238	NC_021163.1	Ca_kabuli_chr04	9066238	GG	TT	1940275493
SNP_P1_55432_9066255	NC_021163.1	Ca_kabuli_chr04	9066255	CC	TT	1940275494
SNP_P1_55434_9066488	NC_021163.1	Ca_kabuli_chr04	9066488	TT	CC	1940275496
SNP_P1_55435_9066622	NC_021163.1	Ca_kabuli_chr04	9066622	GG	AA	1940275497
SNP_P1_55436_9071242	NC_021163.1	Ca_kabuli_chr04	9071242	TT	CC	1940275498
SNP_P1_55437_9074482	NC_021163.1	Ca_kabuli_chr04	9074482	TT	CC	1940275500
SNP_P1_55438_9075384	NC_021163.1	Ca_kabuli_chr04	9075384	TT	GG	1940275501
SNP_P1_55439_9075389	NC_021163.1	Ca_kabuli_chr04	9075389	AA	TT	1940275502
SNP_P1_55440_9075494	NC_021163.1	Ca_kabuli_chr04	9075494	TT	AA	1940275503
SNP_P1_55442_9083510	NC_021163.1	Ca_kabuli_chr04	9083510	AA	GG	1940275505
SNP_P1_55443_9083720	NC_021163.1	Ca_kabuli_chr04	9083720	CC	TT	1940275506
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SNP_P1_55445_9104616	NC_021163.1	Ca_kabuli_chr04	9104616	GG	AA	1940275508
SNP_P1_55446_9126583	NC_021163.1	Ca_kabuli_chr04	9126583	AA	TT	1940275510
SNP_P1_55447_9126710	NC_021163.1	Ca_kabuli_chr04	9126710	GG	AA	1940275511
SNP_P1_55448_9126790	NC_021163.1	Ca_kabuli_chr04	9126790	TT	CC	1940275512
SNP_P1_55449_9126823	NC_021163.1	Ca_kabuli_chr04	9126823	TT	GG	1940275513
SNP_P1_55450_9126907	NC_021163.1	Ca_kabuli_chr04	9126907	TT	AA	1940275515
SNP_P1_55452_9130726	NC_021163.1	Ca_kabuli_chr04	9130726	AA	CC	1940275516
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SNP_P1_55454_9147377	NC_021163.1	Ca_kabuli_chr04	9147377	TT	CC	1940275519
SNP_P1_55455_9147380	NC_021163.1	Ca_kabuli_chr04	9147380	AA	GG	1940275520
SNP_P1_55456_9159729	NC_021163.1	Ca_kabuli_chr04	9159729	GG	AA	1940275521
SNP_P1_55457_9168500	NC_021163.1	Ca_kabuli_chr04	9168500	GG	AA	1940275523
SNP_P1_55458_9172944	NC_021163.1	Ca_kabuli_chr04	9172944	CC	TT	1940275524
SNP_P1_55459_9179144	NC_021163.1	Ca_kabuli_chr04	9179144	GG	TT	1940275525
SNP_P1_55460_9180861	NC_021163.1	Ca_kabuli_chr04	9180861	GG	AA	1940275526
SNP_P1_55461_9183506	NC_021163.1	Ca_kabuli_chr04	9183506	GG	TT	1940275528
SNP_P1_55462_9206483	NC_021163.1	Ca_kabuli_chr04	9206483	AA	TT	1940275529
SNP_P1_55463_9214048	NC_021163.1	Ca_kabuli_chr04	9214048	CC	TT	1940275530
SNP_P1_55465_9233240	NC_021163.1	Ca_kabuli_chr04	9233240	AA	GG	1940275531
SNP_P1_55466_9233342	NC_021163.1	Ca_kabuli_chr04	9233342	TT	AA	1940275533
SNP_P1_55467_9233352	NC_021163.1	Ca_kabuli_chr04	9233352	TT	AA	1940275534
SNP_P1_55468_9233438	NC_021163.1	Ca_kabuli_chr04	9233438	AA	GG	1940275535
SNP_P1_55469_9233485	NC_021163.1	Ca_kabuli_chr04	9233485	GG	AA	1940275537

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55471_9233956	NC_021163.1	Ca_kabuli_chr04	9233956	TT	GG	1940275539
SNP_P1_55472_9233976	NC_021163.1	Ca_kabuli_chr04	9233976	GG	TT	1940275540
SNP_P1_55473_9312774	NC_021163.1	Ca_kabuli_chr04	9312774	GG	TT	1940275542
SNP_P1_55475_9345697	NC_021163.1	Ca_kabuli_chr04	9345697	CC	AA	1940275543
SNP_P1_55476_9348429	NC_021163.1	Ca_kabuli_chr04	9348429	AA	CC	1940275544
SNP_P1_55478_9359837	NC_021163.1	Ca_kabuli_chr04	9359837	CC	TT	1940275546
SNP_P1_55479_9370406	NC_021163.1	Ca_kabuli_chr04	9370406	AA	GG	1940275547
SNP_P1_55481_9372462	NC_021163.1	Ca_kabuli_chr04	9372462	GG	AA	1940275548
SNP_P1_55482_9372469	NC_021163.1	Ca_kabuli_chr04	9372469	GG	AA	1940275550
SNP_P1_55484_9387809	NC_021163.1	Ca_kabuli_chr04	9387809	GG	AA	1940275551
SNP_P1_55485_9387889	NC_021163.1	Ca_kabuli_chr04	9387889	CC	GG	1940275552
SNP_P1_55486_9387894	NC_021163.1	Ca_kabuli_chr04	9387894	GG	TT	1940275554
SNP_P1_55487_9387971	NC_021163.1	Ca_kabuli_chr04	9387971	TT	CC	1940275555
SNP_P1_55488_9387977	NC_021163.1	Ca_kabuli_chr04	9387977	AA	CC	1940275556
SNP_P1_55490_9388158	NC_021163.1	Ca_kabuli_chr04	9388158	GG	AA	1940275558
SNP_P1_55491_9388174	NC_021163.1	Ca_kabuli_chr04	9388174	GG	CC	1940275559
SNP_P1_55492_9388180	NC_021163.1	Ca_kabuli_chr04	9388180	TT	AA	1940275560
SNP_P1_55493_9388185	NC_021163.1	Ca_kabuli_chr04	9388185	AA	GG	1940275562
SNP_P1_55494_9388226	NC_021163.1	Ca_kabuli_chr04	9388226	GG	AA	1940275563
SNP_P1_55495_9388233	NC_021163.1	Ca_kabuli_chr04	9388233	GG	AA	1940275564
SNP_P1_55496_9388271	NC_021163.1	Ca_kabuli_chr04	9388271	GG	TT	1940275566
SNP_P1_55497_9388273	NC_021163.1	Ca_kabuli_chr04	9388273	TT	CC	1940275567
SNP_P1_55499_9410036	NC_021163.1	Ca_kabuli_chr04	9410036	TT	CC	1940275569
SNP_P1_55500_9432567	NC_021163.1	Ca_kabuli_chr04	9432567	AA	TT	1940275570
SNP_P1_55501_9441361	NC_021163.1	Ca_kabuli_chr04	9441361	AA	GG	1940275572
SNP_P1_55503_9456501	NC_021163.1	Ca_kabuli_chr04	9456501	GG	AA	1940275574
SNP_P1_55505_9475705	NC_021163.1	Ca_kabuli_chr04	9475705	GG	AA	1940275575
SNP_P1_55506_9501420	NC_021163.1	Ca_kabuli_chr04	9501420	AA	TT	1940275576
SNP_P1_55507_9505186	NC_021163.1	Ca_kabuli_chr04	9505186	AA	TT	1940275578
SNP_P1_55508_9516071	NC_021163.1	Ca_kabuli_chr04	9516071	AA	GG	1940275580
SNP_P1_55509_9516219	NC_021163.1	Ca_kabuli_chr04	9516219	TT	AA	1940275582
SNP_P1_55510_9516222	NC_021163.1	Ca_kabuli_chr04	9516222	AA	GG	1940275584
SNP_P1_55511_9545796	NC_021163.1	Ca_kabuli_chr04	9545796	AA	GG	1940275586
SNP_P1_55512_9545853	NC_021163.1	Ca_kabuli_chr04	9545853	CC	TT	1940275588
SNP_P1_55513_9547678	NC_021163.1	Ca_kabuli_chr04	9547678	CC	TT	1940275590
SNP_P1_55514_9549748	NC_021163.1	Ca_kabuli_chr04	9549748	CC	TT	1940275592
SNP_P1_55516_9552151	NC_021163.1	Ca_kabuli_chr04	9552151	CC	TT	1940275593
SNP_P1_55517_9555442	NC_021163.1	Ca_kabuli_chr04	9555442	CC	TT	1940275595
SNP_P1_55519_9573798	NC_021163.1	Ca_kabuli_chr04	9573798	GG	TT	1940275597
SNP_P1_55521_9599355	NC_021163.1	Ca_kabuli_chr04	9599355	GG	AA	1940275598
SNP_P1_55522_9601469	NC_021163.1	Ca_kabuli_chr04	9601469	TT	GG	1940275600

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55524_9606127	NC_021163.1	Ca_kabuli_chr04	9606127	GG	CC	1940275603
SNP_P1_55525_9617996	NC_021163.1	Ca_kabuli_chr04	9617996	TT	AA	1940275605
SNP_P1_55526_9627791	NC_021163.1	Ca_kabuli_chr04	9627791	CC	TT	1940275606
SNP_P1_55527_9627795	NC_021163.1	Ca_kabuli_chr04	9627795	CC	TT	1940275608
SNP_P1_55528_9627804	NC_021163.1	Ca_kabuli_chr04	9627804	TT	CC	1940275610
SNP_P1_55529_9627836	NC_021163.1	Ca_kabuli_chr04	9627836	AA	GG	1940275611
SNP_P1_55530_9627880	NC_021163.1	Ca_kabuli_chr04	9627880	AA	CC	1940275613
SNP_P1_55531_9627914	NC_021163.1	Ca_kabuli_chr04	9627914	TT	CC	1940275614
SNP_P1_55532_9627963	NC_021163.1	Ca_kabuli_chr04	9627963	CC	TT	1940275616
SNP_P1_55533_9628009	NC_021163.1	Ca_kabuli_chr04	9628009	CC	AA	1940275618
SNP_P1_55534_9628012	NC_021163.1	Ca_kabuli_chr04	9628012	GG	CC	1940275619
SNP_P1_55535_9628027	NC_021163.1	Ca_kabuli_chr04	9628027	GG	AA	1940275621
SNP_P1_55536_9628068	NC_021163.1	Ca_kabuli_chr04	9628068	AA	GG	1940275623
SNP_P1_55537_9628094	NC_021163.1	Ca_kabuli_chr04	9628094	CC	TT	1940275625
SNP_P1_55538_9628114	NC_021163.1	Ca_kabuli_chr04	9628114	GG	CC	1940275627
SNP_P1_55539_9628117	NC_021163.1	Ca_kabuli_chr04	9628117	GG	AA	1940275629
SNP_P1_55540_9628213	NC_021163.1	Ca_kabuli_chr04	9628213	AA	TT	1940275632
SNP_P1_55541_9628234	NC_021163.1	Ca_kabuli_chr04	9628234	GG	AA	1940275634
SNP_P1_55542_9628241	NC_021163.1	Ca_kabuli_chr04	9628241	AA	GG	1940275636
SNP_P1_55543_9628456	NC_021163.1	Ca_kabuli_chr04	9628456	AA	GG	1940275638
SNP_P1_55544_9628486	NC_021163.1	Ca_kabuli_chr04	9628486	AA	GG	1940275640
SNP_P1_55545_9628564	NC_021163.1	Ca_kabuli_chr04	9628564	AA	TT	1940275642
SNP_P1_55546_9628578	NC_021163.1	Ca_kabuli_chr04	9628578	AA	GG	1940275644
SNP_P1_55547_9628591	NC_021163.1	Ca_kabuli_chr04	9628591	CC	TT	1940275647
SNP_P1_55548_9628622	NC_021163.1	Ca_kabuli_chr04	9628622	GG	AA	1940275649
SNP_P1_55549_9628659	NC_021163.1	Ca_kabuli_chr04	9628659	AA	GG	1940275651
SNP_P1_55550_9628664	NC_021163.1	Ca_kabuli_chr04	9628664	TT	CC	1940275653
SNP_P1_55551_9628675	NC_021163.1	Ca_kabuli_chr04	9628675	TT	CC	1940275655
SNP_P1_55552_9628805	NC_021163.1	Ca_kabuli_chr04	9628805	AA	TT	1940275657
SNP_P1_55553_9628818	NC_021163.1	Ca_kabuli_chr04	9628818	CC	TT	1940275659
SNP_P1_55554_9628831	NC_021163.1	Ca_kabuli_chr04	9628831	AA	TT	1940275660
SNP_P1_55555_9628871	NC_021163.1	Ca_kabuli_chr04	9628871	TT	GG	1940275663
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SNP_P1_55557_9629128	NC_021163.1	Ca_kabuli_chr04	9629128	GG	AA	1940275667
SNP_P1_55558_9629129	NC_021163.1	Ca_kabuli_chr04	9629129	AA	GG	1940275670
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SNP_P1_55560_9629168	NC_021163.1	Ca_kabuli_chr04	9629168	GG	TT	1940275675
SNP_P1_55561_9629173	NC_021163.1	Ca_kabuli_chr04	9629173	GG	AA	1940275678
SNP_P1_55562_9629181	NC_021163.1	Ca_kabuli_chr04	9629181	GG	TT	1940275680
SNP_P1_55563_9629402	NC_021163.1	Ca_kabuli_chr04	9629402	TT	CC	1940275682
SNP_P1_55564_9629417	NC_021163.1	Ca_kabuli_chr04	9629417	TT	GG	1940275683

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55567_9629549	NC_021163.1	Ca_kabuli_chr04	9629549	CC	TT	1940275687
SNP_P1_55568_9629561	NC_021163.1	Ca_kabuli_chr04	9629561	CC	TT	1940275689
SNP_P1_55569_9629562	NC_021163.1	Ca_kabuli_chr04	9629562	TT	CC	1940275691
SNP_P1_55570_9629568	NC_021163.1	Ca_kabuli_chr04	9629568	GG	AA	1940275692
SNP_P1_55571_9629683	NC_021163.1	Ca_kabuli_chr04	9629683	CC	AA	1940275694
SNP_P1_55572_9629691	NC_021163.1	Ca_kabuli_chr04	9629691	TT	CC	1940275695
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SNP_P1_55575_9629825	NC_021163.1	Ca_kabuli_chr04	9629825	CC	GG	1940275700
SNP_P1_55576_9629841	NC_021163.1	Ca_kabuli_chr04	9629841	TT	CC	1940275702
SNP_P1_55577_9629855	NC_021163.1	Ca_kabuli_chr04	9629855	AA	TT	1940275703
SNP_P1_55578_9629887	NC_021163.1	Ca_kabuli_chr04	9629887	GG	TT	1940275705
SNP_P1_55579_9629924	NC_021163.1	Ca_kabuli_chr04	9629924	AA	GG	1940275706
SNP_P1_55580_9629940	NC_021163.1	Ca_kabuli_chr04	9629940	CC	TT	1940275708
SNP_P1_55581_9629971	NC_021163.1	Ca_kabuli_chr04	9629971	GG	AA	1940275709
SNP_P1_55582_9629978	NC_021163.1	Ca_kabuli_chr04	9629978	TT	GG	1940275711
SNP_P1_55583_9629995	NC_021163.1	Ca_kabuli_chr04	9629995	AA	CC	1940275713
SNP_P1_55584_9630050	NC_021163.1	Ca_kabuli_chr04	9630050	AA	TT	1940275714
SNP_P1_55585_9630065	NC_021163.1	Ca_kabuli_chr04	9630065	CC	TT	1940275716
SNP_P1_55586_9630119	NC_021163.1	Ca_kabuli_chr04	9630119	AA	GG	1940275717
SNP_P1_55587_9630161	NC_021163.1	Ca_kabuli_chr04	9630161	GG	AA	1940275719
SNP_P1_55588_9630193	NC_021163.1	Ca_kabuli_chr04	9630193	CC	GG	1940275720
SNP_P1_55589_9630199	NC_021163.1	Ca_kabuli_chr04	9630199	TT	GG	1940275722
SNP_P1_55590_9630210	NC_021163.1	Ca_kabuli_chr04	9630210	GG	TT	1940275723
SNP_P1_55591_9630214	NC_021163.1	Ca_kabuli_chr04	9630214	AA	GG	1940275725
SNP_P1_55592_9630268	NC_021163.1	Ca_kabuli_chr04	9630268	CC	AA	1940275726
SNP_P1_55593_9630282	NC_021163.1	Ca_kabuli_chr04	9630282	TT	CC	1940275728
SNP_P1_55595_9630356	NC_021163.1	Ca_kabuli_chr04	9630356	GG	TT	1940275730
SNP_P1_55596_9630406	NC_021163.1	Ca_kabuli_chr04	9630406	TT	AA	1940275731
SNP_P1_55597_9630414	NC_021163.1	Ca_kabuli_chr04	9630414	CC	GG	1940275733
SNP_P1_55598_9630415	NC_021163.1	Ca_kabuli_chr04	9630415	AA	TT	1940275734
SNP_P1_55599_9630425	NC_021163.1	Ca_kabuli_chr04	9630425	AA	GG	1940275736
SNP_P1_55600_9630466	NC_021163.1	Ca_kabuli_chr04	9630466	GG	TT	1940275737
SNP_P1_55601_9630481	NC_021163.1	Ca_kabuli_chr04	9630481	AA	GG	1940275739
SNP_P1_55602_9630495	NC_021163.1	Ca_kabuli_chr04	9630495	GG	AA	1940275740
SNP_P1_55603_9630502	NC_021163.1	Ca_kabuli_chr04	9630502	GG	AA	1940275742
SNP_P1_55604_9630508	NC_021163.1	Ca_kabuli_chr04	9630508	CC	TT	1940275743
SNP_P1_55605_9630526	NC_021163.1	Ca_kabuli_chr04	9630526	AA	GG	1940275745
SNP_P1_55606_9630530	NC_021163.1	Ca_kabuli_chr04	9630530	GG	TT	1940275746
SNP_P1_55607_9630563	NC_021163.1	Ca_kabuli_chr04	9630563	CC	TT	1940275748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55609_9630598	NC_021163.1	Ca_kabuli_chr04	9630598	GG	AA	1940275751
SNP_P1_55610_9630602	NC_021163.1	Ca_kabuli_chr04	9630602	AA	GG	1940275753
SNP_P1_55611_9630604	NC_021163.1	Ca_kabuli_chr04	9630604	TT	GG	1940275755
SNP_P1_55612_9630739	NC_021163.1	Ca_kabuli_chr04	9630739	TT	CC	1940275757
SNP_P1_55613_9630780	NC_021163.1	Ca_kabuli_chr04	9630780	GG	TT	1940275759
SNP_P1_55614_9630902	NC_021163.1	Ca_kabuli_chr04	9630902	AA	TT	1940275761
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SNP_P1_55616_9632311	NC_021163.1	Ca_kabuli_chr04	9632311	TT	AA	1940275765
SNP_P1_55618_9632809	NC_021163.1	Ca_kabuli_chr04	9632809	AA	TT	1940275767
SNP_P1_55619_9632840	NC_021163.1	Ca_kabuli_chr04	9632840	TT	AA	1940275769
SNP_P1_55620_9632849	NC_021163.1	Ca_kabuli_chr04	9632849	AA	GG	1940275771
SNP_P1_55621_9632892	NC_021163.1	Ca_kabuli_chr04	9632892	AA	CC	1940275773
SNP_P1_55622_9632908	NC_021163.1	Ca_kabuli_chr04	9632908	TT	AA	1940275775
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SNP_P1_55626_9632990	NC_021163.1	Ca_kabuli_chr04	9632990	GG	TT	1940275781
SNP_P1_55627_9633006	NC_021163.1	Ca_kabuli_chr04	9633006	CC	GG	1940275783
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SNP_P1_55629_9633055	NC_021163.1	Ca_kabuli_chr04	9633055	AA	GG	1940275787
SNP_P1_55630_9633935	NC_021163.1	Ca_kabuli_chr04	9633935	TT	GG	1940275789
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SNP_P1_55637_9638493	NC_021163.1	Ca_kabuli_chr04	9638493	TT	AA	1940275802
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SNP_P1_55642_9655308	NC_021163.1	Ca_kabuli_chr04	9655308	AA	TT	1940275807
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SNP_P1_55644_9655711	NC_021163.1	Ca_kabuli_chr04	9655711	TT	CC	1940275810
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SNP_P1_55648_9677618	NC_021163.1	Ca_kabuli_chr04	9677618	CC	TT	1940275813
SNP_P1_55649_9685877	NC_021163.1	Ca_kabuli_chr04	9685877	AA	TT	1940275814
SNP_P1_55650_9693394	NC_021163.1	Ca_kabuli_chr04	9693394	GG	AA	1940275816
SNP_P1_55651_9718070	NC_021163.1	Ca_kabuli_chr04	9718070	AA	TT	1940275817
SNP_P1_55654_9723082	NC_021163.1	Ca_kabuli_chr04	9723082	CC	TT	1940275818
SNP_P1_55655_9726199	NC_021163.1	Ca_kabuli_chr04	9726199	AA	GG	1940275820
SNP_P1_55656_9726237	NC_021163.1	Ca_kabuli_chr04	9726237	AA	CC	1940275821
SNP_P1_55657_9726356	NC_021163.1	Ca_kabuli_chr04	9726356	CC	TT	1940275822

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55660_9726430	NC_021163.1	Ca_kabuli_chr04	9726430	AA	TT	1940275826
SNP_P1_55661_9726517	NC_021163.1	Ca_kabuli_chr04	9726517	CC	GG	1940275828
SNP_P1_55662_9726681	NC_021163.1	Ca_kabuli_chr04	9726681	CC	TT	1940275830
SNP_P1_55663_9726719	NC_021163.1	Ca_kabuli_chr04	9726719	AA	GG	1940275831
SNP_P1_55664_9726852	NC_021163.1	Ca_kabuli_chr04	9726852	GG	AA	1940275833
SNP_P1_55665_9727214	NC_021163.1	Ca_kabuli_chr04	9727214	TT	CC	1940275834
SNP_P1_55666_9727350	NC_021163.1	Ca_kabuli_chr04	9727350	AA	GG	1940275836
SNP_P1_55667_9727491	NC_021163.1	Ca_kabuli_chr04	9727491	CC	TT	1940275838
SNP_P1_55671_9821421	NC_021163.1	Ca_kabuli_chr04	9821421	CC	TT	1940275839
SNP_P1_55675_9866135	NC_021163.1	Ca_kabuli_chr04	9866135	AA	TT	1940275841
SNP_P1_55676_9880276	NC_021163.1	Ca_kabuli_chr04	9880276	TT	AA	1940275843
SNP_P1_55677_9881350	NC_021163.1	Ca_kabuli_chr04	9881350	AA	GG	1940275844
SNP_P1_55678_9922920	NC_021163.1	Ca_kabuli_chr04	9922920	TT	AA	1940275846
SNP_P1_55680_9933697	NC_021163.1	Ca_kabuli_chr04	9933697	AA	CC	1940275848
SNP_P1_55682_9948620	NC_021163.1	Ca_kabuli_chr04	9948620	AA	GG	1940275850
SNP_P1_55684_9966538	NC_021163.1	Ca_kabuli_chr04	9966538	CC	TT	1940275852
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SNP_P1_55691_10033983	NC_021163.1	Ca_kabuli_chr04	10033983	GG	AA	1940275863
SNP_P1_55692_10034042	NC_021163.1	Ca_kabuli_chr04	10034042	TT	CC	1940275864
SNP_P1_55693_10035511	NC_021163.1	Ca_kabuli_chr04	10035511	CC	GG	1940275867
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SNP_P1_55697_10061487	NC_021163.1	Ca_kabuli_chr04	10061487	TT	GG	1940275870
SNP_P1_55698_10070104	NC_021163.1	Ca_kabuli_chr04	10070104	CC	TT	1940275872
SNP_P1_55700_10120517	NC_021163.1	Ca_kabuli_chr04	10120517	GG	AA	1940275873
SNP_P1_55701_10124135	NC_021163.1	Ca_kabuli_chr04	10124135	CC	AA	1940275875
SNP_P1_55704_10158348	NC_021163.1	Ca_kabuli_chr04	10158348	CC	TT	1940275877
SNP_P1_55706_10180610	NC_021163.1	Ca_kabuli_chr04	10180610	CC	TT	1940275879
SNP_P1_55707_10183619	NC_021163.1	Ca_kabuli_chr04	10183619	TT	CC	1940275881
SNP_P1_55708_10205947	NC_021163.1	Ca_kabuli_chr04	10205947	AA	GG	1940275882
SNP_P1_55711_10235096	NC_021163.1	Ca_kabuli_chr04	10235096	GG	TT	1940275884
SNP_P1_55712_10240534	NC_021163.1	Ca_kabuli_chr04	10240534	GG	AA	1940275886
SNP_P1_55713_10253310	NC_021163.1	Ca_kabuli_chr04	10253310	TT	GG	1940275887
SNP_P1_55714_10253317	NC_021163.1	Ca_kabuli_chr04	10253317	TT	AA	1940275889
SNP_P1_55715_10253324	NC_021163.1	Ca_kabuli_chr04	10253324	CC	GG	1940275890
SNP_P1_55716_10253325	NC_021163.1	Ca_kabuli_chr04	10253325	CC	AA	1940275892
SNP_P1_55717_10253370	NC_021163.1	Ca_kabuli_chr04	10253370	CC	AA	1940275893

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55719_10255869	NC_021163.1	Ca_kabuli_chr04	10255869	AA	GG	1940275896
SNP_P1_55720_10260422	NC_021163.1	Ca_kabuli_chr04	10260422	AA	CC	1940275897
SNP_P1_55723_10278667	NC_021163.1	Ca_kabuli_chr04	10278667	CC	TT	1940275898
SNP_P1_55724_10319935	NC_021163.1	Ca_kabuli_chr04	10319935	AA	GG	1940275900
SNP_P1_55725_10323316	NC_021163.1	Ca_kabuli_chr04	10323316	CC	TT	1940275901
SNP_P1_55728_10336155	NC_021163.1	Ca_kabuli_chr04	10336155	AA	TT	1940275903
SNP_P1_55730_10355275	NC_021163.1	Ca_kabuli_chr04	10355275	TT	CC	1940275905
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SNP_P1_55733_10409409	NC_021163.1	Ca_kabuli_chr04	10409409	CC	TT	1940275910
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SNP_P1_55737_10452408	NC_021163.1	Ca_kabuli_chr04	10452408	CC	TT	1940275914
SNP_P1_55738_10460888	NC_021163.1	Ca_kabuli_chr04	10460888	AA	GG	1940275916
SNP_P1_55739_10460892	NC_021163.1	Ca_kabuli_chr04	10460892	AA	GG	1940275917
SNP_P1_55741_10473742	NC_021163.1	Ca_kabuli_chr04	10473742	AA	GG	1940275919
SNP_P1_55742_10507659	NC_021163.1	Ca_kabuli_chr04	10507659	AA	GG	1940275920
SNP_P1_55743_10508502	NC_021163.1	Ca_kabuli_chr04	10508502	GG	AA	1940275922
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SNP_P1_55757_10713191	NC_021163.1	Ca_kabuli_chr04	10713191	TT	AA	1940275938
SNP_P1_55759_10741327	NC_021163.1	Ca_kabuli_chr04	10741327	GG	AA	1940275939
SNP_P1_55760_10752870	NC_021163.1	Ca_kabuli_chr04	10752870	AA	TT	1940275941
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SNP_P1_55762_10757629	NC_021163.1	Ca_kabuli_chr04	10757629	AA	CC	1940275943
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SNP_P1_55764_10820773	NC_021163.1	Ca_kabuli_chr04	10820773	TT	AA	1940275947
SNP_P1_55765_10821124	NC_021163.1	Ca_kabuli_chr04	10821124	CC	TT	1940275948
SNP_P1_55766_10831472	NC_021163.1	Ca_kabuli_chr04	10831472	GG	CC	1940275950
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SNP_P1_55773_10946958	NC_021163.1	Ca_kabuli_chr04	10946958	AA	GG	1940275955
SNP_P1_55774_10955225	NC_021163.1	Ca_kabuli_chr04	10955225	CC	AA	1940275957
SNP_P1_55775_10966762	NC_021163.1	Ca_kabuli_chr04	10966762	TT	CC	1940275959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55778_10971002	NC_021163.1	Ca_kabuli_chr04	10971002	AA	GG	1940275964
SNP_P1_55779_10971010	NC_021163.1	Ca_kabuli_chr04	10971010	GG	CC	1940275965
SNP_P1_55780_10971439	NC_021163.1	Ca_kabuli_chr04	10971439	AA	GG	1940275967
SNP_P1_55781_10986118	NC_021163.1	Ca_kabuli_chr04	10986118	GG	AA	1940275968
SNP_P1_55782_10986125	NC_021163.1	Ca_kabuli_chr04	10986125	GG	TT	1940275970
SNP_P1_55783_10986127	NC_021163.1	Ca_kabuli_chr04	10986127	GG	AA	1940275972
SNP_P1_55784_10986128	NC_021163.1	Ca_kabuli_chr04	10986128	TT	CC	1940275973
SNP_P1_55785_10986131	NC_021163.1	Ca_kabuli_chr04	10986131	GG	AA	1940275975
SNP_P1_55786_10986132	NC_021163.1	Ca_kabuli_chr04	10986132	TT	AA	1940275976
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SNP_P1_55793_11003109	NC_021163.1	Ca_kabuli_chr04	11003109	TT	CC	1940275988
SNP_P1_55794_11003256	NC_021163.1	Ca_kabuli_chr04	11003256	AA	GG	1940275989
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SNP_P1_55800_11057194	NC_021163.1	Ca_kabuli_chr04	11057194	AA	GG	1940275996
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SNP_P1_55806_11182679	NC_021163.1	Ca_kabuli_chr04	11182679	AA	GG	1940276005
SNP_P1_55808_11208073	NC_021163.1	Ca_kabuli_chr04	11208073	AA	CC	1940276006
SNP_P1_55810_11209560	NC_021163.1	Ca_kabuli_chr04	11209560	TT	CC	1940276008
SNP_P1_55811_11210181	NC_021163.1	Ca_kabuli_chr04	11210181	GG	TT	1940276009
SNP_P1_55812_11210659	NC_021163.1	Ca_kabuli_chr04	11210659	AA	GG	1940276010
SNP_P1_55813_11211863	NC_021163.1	Ca_kabuli_chr04	11211863	AA	CC	1940276012
SNP_P1_55814_11212351	NC_021163.1	Ca_kabuli_chr04	11212351	TT	CC	1940276013
SNP_P1_55815_11213005	NC_021163.1	Ca_kabuli_chr04	11213005	GG	AA	1940276015
SNP_P1_55816_11213460	NC_021163.1	Ca_kabuli_chr04	11213460	GG	CC	1940276016
SNP_P1_55817_11213785	NC_021163.1	Ca_kabuli_chr04	11213785	GG	CC	1940276018
SNP_P1_55818_11214469	NC_021163.1	Ca_kabuli_chr04	11214469	GG	AA	1940276019
SNP_P1_55819_11215060	NC_021163.1	Ca_kabuli_chr04	11215060	AA	GG	1940276021
SNP_P1_55820_11215061	NC_021163.1	Ca_kabuli_chr04	11215061	CC	TT	1940276023

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_55821_11215123	NC_021163.1	Ca_kabuli_chr04	11215123	TT	AA	1940276024
SNP_P1_55822_11215622	NC_021163.1	Ca_kabuli_chr04	11215622	TT	GG	1940276026
SNP_P1_55824_11216179	NC_021163.1	Ca_kabuli_chr04	11216179	CC	AA	1940276027
SNP_P1_55825_11216341	NC_021163.1	Ca_kabuli_chr04	11216341	AA	GG	1940276029
SNP_P1_55826_11216560	NC_021163.1	Ca_kabuli_chr04	11216560	AA	TT	1940276031
SNP_P1_55827_11216592	NC_021163.1	Ca_kabuli_chr04	11216592	CC	TT	1940276032
SNP_P1_55828_11216594	NC_021163.1	Ca_kabuli_chr04	11216594	TT	CC	1940276034
SNP_P1_55829_11216908	NC_021163.1	Ca_kabuli_chr04	11216908	GG	TT	1940276035
SNP_P1_55830_11217195	NC_021163.1	Ca_kabuli_chr04	11217195	TT	GG	1940276037
SNP_P1_55832_11217975	NC_021163.1	Ca_kabuli_chr04	11217975	CC	TT	1940276039
SNP_P1_55833_11219469	NC_021163.1	Ca_kabuli_chr04	11219469	TT	CC	1940276040
SNP_P1_55834_11219509	NC_021163.1	Ca_kabuli_chr04	11219509	CC	GG	1940276042
SNP_P1_55835_11219986	NC_021163.1	Ca_kabuli_chr04	11219986	CC	AA	1940276043
SNP_P1_55837_11220642	NC_021163.1	Ca_kabuli_chr04	11220642	CC	TT	1940276045
SNP_P1_55838_11221029	NC_021163.1	Ca_kabuli_chr04	11221029	CC	GG	1940276047
SNP_P1_55839_11221033	NC_021163.1	Ca_kabuli_chr04	11221033	AA	TT	1940276048
SNP_P1_55840_11221205	NC_021163.1	Ca_kabuli_chr04	11221205	AA	CC	1940276050
SNP_P1_55841_11221572	NC_021163.1	Ca_kabuli_chr04	11221572	TT	CC	1940276051
SNP_P1_55842_11221588	NC_021163.1	Ca_kabuli_chr04	11221588	GG	TT	1940276053
SNP_P1_55843_11221726	NC_021163.1	Ca_kabuli_chr04	11221726	AA	TT	1940276055
SNP_P1_55844_11225015	NC_021163.1	Ca_kabuli_chr04	11225015	AA	TT	1940276056
SNP_P1_55845_11225408	NC_021163.1	Ca_kabuli_chr04	11225408	AA	GG	1940276058
SNP_P1_55846_11226147	NC_021163.1	Ca_kabuli_chr04	11226147	TT	CC	1940276059
SNP_P1_55847_11226645	NC_021163.1	Ca_kabuli_chr04	11226645	TT	AA	1940276061
SNP_P1_55848_11226687	NC_021163.1	Ca_kabuli_chr04	11226687	GG	TT	1940276063
SNP_P1_55850_11227984	NC_021163.1	Ca_kabuli_chr04	11227984	AA	GG	1940276064
SNP_P1_55852_11228320	NC_021163.1	Ca_kabuli_chr04	11228320	TT	AA	1940276066
SNP_P1_55853_11228387	NC_021163.1	Ca_kabuli_chr04	11228387	GG	AA	1940276067
SNP_P1_55854_11229156	NC_021163.1	Ca_kabuli_chr04	11229156	AA	GG	1940276069
SNP_P1_55855_11229548	NC_021163.1	Ca_kabuli_chr04	11229548	TT	CC	1940276070
SNP_P1_55856_11230003	NC_021163.1	Ca_kabuli_chr04	11230003	GG	AA	1940276072
SNP_P1_55857_11230184	NC_021163.1	Ca_kabuli_chr04	11230184	TT	AA	1940276074
SNP_P1_55858_11233102	NC_021163.1	Ca_kabuli_chr04	11233102	GG	TT	1940276075
SNP_P1_55859_11233651	NC_021163.1	Ca_kabuli_chr04	11233651	TT	CC	1940276077
SNP_P1_55860_11234130	NC_021163.1	Ca_kabuli_chr04	11234130	GG	AA	1940276078
SNP_P1_55861_11234168	NC_021163.1	Ca_kabuli_chr04	11234168	TT	CC	1940276080
SNP_P1_55862_11234397	NC_021163.1	Ca_kabuli_chr04	11234397	GG	AA	1940276081
SNP_P1_55863_11234418	NC_021163.1	Ca_kabuli_chr04	11234418	AA	GG	1940276083
SNP_P1_55865_11235647	NC_021163.1	Ca_kabuli_chr04	11235647	CC	AA	1940276084
SNP_P1_55866_11237858	NC_021163.1	Ca_kabuli_chr04	11237858	AA	GG	1940276085
SNP_P1_55868_11238204	NC_021163.1	Ca_kabuli_chr04	11238204	TT	AA	1940276087
SNP_P1_55869_11238763	NC_021163.1	Ca_kabuli_chr04	11238763	TT	CC	1940276088

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55871_11238976	NC_021163.1	Ca_kabuli_chr04	11238976	CC	TT	1940276091
SNP_P1_55872_11239751	NC_021163.1	Ca_kabuli_chr04	11239751	CC	TT	1940276092
SNP_P1_55873_11240048	NC_021163.1	Ca_kabuli_chr04	11240048	AA	GG	1940276094
SNP_P1_55874_11240191	NC_021163.1	Ca_kabuli_chr04	11240191	CC	TT	1940276095
SNP_P1_55875_11240892	NC_021163.1	Ca_kabuli_chr04	11240892	CC	TT	1940276096
SNP_P1_55876_11241226	NC_021163.1	Ca_kabuli_chr04	11241226	CC	TT	1940276098
SNP_P1_55877_11241279	NC_021163.1	Ca_kabuli_chr04	11241279	CC	AA	1940276099
SNP_P1_55878_11241284	NC_021163.1	Ca_kabuli_chr04	11241284	GG	AA	1940276100
SNP_P1_55879_11241288	NC_021163.1	Ca_kabuli_chr04	11241288	AA	TT	1940276102
SNP_P1_55880_11241875	NC_021163.1	Ca_kabuli_chr04	11241875	AA	TT	1940276103
SNP_P1_55881_11242130	NC_021163.1	Ca_kabuli_chr04	11242130	GG	AA	1940276105
SNP_P1_55882_11243672	NC_021163.1	Ca_kabuli_chr04	11243672	TT	CC	1940276107
SNP_P1_55883_11243684	NC_021163.1	Ca_kabuli_chr04	11243684	TT	CC	1940276108
SNP_P1_55884_11243872	NC_021163.1	Ca_kabuli_chr04	11243872	CC	TT	1940276110
SNP_P1_55885_11243888	NC_021163.1	Ca_kabuli_chr04	11243888	AA	GG	1940276112
SNP_P1_55888_11245401	NC_021163.1	Ca_kabuli_chr04	11245401	TT	CC	1940276113
SNP_P1_55889_11247224	NC_021163.1	Ca_kabuli_chr04	11247224	CC	AA	1940276115
SNP_P1_55890_11247542	NC_021163.1	Ca_kabuli_chr04	11247542	CC	AA	1940276117
SNP_P1_55891_11248605	NC_021163.1	Ca_kabuli_chr04	11248605	TT	AA	1940276119
SNP_P1_55892_11248988	NC_021163.1	Ca_kabuli_chr04	11248988	CC	TT	1940276120
SNP_P1_55893_11249675	NC_021163.1	Ca_kabuli_chr04	11249675	AA	GG	1940276122
SNP_P1_55894_11249951	NC_021163.1	Ca_kabuli_chr04	11249951	TT	AA	1940276123
SNP_P1_55895_11250058	NC_021163.1	Ca_kabuli_chr04	11250058	TT	CC	1940276125
SNP_P1_55896_11250312	NC_021163.1	Ca_kabuli_chr04	11250312	CC	TT	1940276126
SNP_P1_55897_11251447	NC_021163.1	Ca_kabuli_chr04	11251447	TT	CC	1940276128
SNP_P1_55899_11252009	NC_021163.1	Ca_kabuli_chr04	11252009	GG	TT	1940276129
SNP_P1_55900_11252374	NC_021163.1	Ca_kabuli_chr04	11252374	GG	TT	1940276131
SNP_P1_55901_11253251	NC_021163.1	Ca_kabuli_chr04	11253251	CC	GG	1940276133
SNP_P1_55902_11253256	NC_021163.1	Ca_kabuli_chr04	11253256	AA	CC	1940276134
SNP_P1_55903_11255005	NC_021163.1	Ca_kabuli_chr04	11255005	TT	CC	1940276136
SNP_P1_55904_11255869	NC_021163.1	Ca_kabuli_chr04	11255869	TT	CC	1940276138
SNP_P1_55905_11257269	NC_021163.1	Ca_kabuli_chr04	11257269	CC	AA	1940276139
SNP_P1_55906_11257398	NC_021163.1	Ca_kabuli_chr04	11257398	GG	AA	1940276141
SNP_P1_55907_11257760	NC_021163.1	Ca_kabuli_chr04	11257760	CC	GG	1940276142
SNP_P1_55908_11258186	NC_021163.1	Ca_kabuli_chr04	11258186	CC	TT	1940276144
SNP_P1_55909_11258462	NC_021163.1	Ca_kabuli_chr04	11258462	AA	TT	1940276145
SNP_P1_55910_11258860	NC_021163.1	Ca_kabuli_chr04	11258860	AA	GG	1940276147
SNP_P1_55911_11259144	NC_021163.1	Ca_kabuli_chr04	11259144	CC	GG	1940276149
SNP_P1_55912_11259807	NC_021163.1	Ca_kabuli_chr04	11259807	GG	AA	1940276150
SNP_P1_55913_11259843	NC_021163.1	Ca_kabuli_chr04	11259843	TT	CC	1940276152
SNP_P1_55914_11260105	NC_021163.1	Ca_kabuli_chr04	11260105	TT	CC	1940276153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_55915_11260161	NC_021163.1	Ca_kabuli_chr04	11260161	AA	GG	1940276155
SNP_P1_55916_11260162	NC_021163.1	Ca_kabuli_chr04	11260162	GG	TT	1940276156
SNP_P1_55917_11260205	NC_021163.1	Ca_kabuli_chr04	11260205	CC	TT	1940276158
SNP_P1_55918_11261069	NC_021163.1	Ca_kabuli_chr04	11261069	AA	TT	1940276160
SNP_P1_55919_11261078	NC_021163.1	Ca_kabuli_chr04	11261078	TT	GG	1940276161
SNP_P1_55920_11261113	NC_021163.1	Ca_kabuli_chr04	11261113	AA	TT	1940276163
SNP_P1_55921_11261289	NC_021163.1	Ca_kabuli_chr04	11261289	AA	GG	1940276164
SNP_P1_55923_11264353	NC_021163.1	Ca_kabuli_chr04	11264353	AA	GG	1940276166
SNP_P1_55924_11264545	NC_021163.1	Ca_kabuli_chr04	11264545	TT	CC	1940276167
SNP_P1_55925_11264986	NC_021163.1	Ca_kabuli_chr04	11264986	CC	TT	1940276169
SNP_P1_55926_11265170	NC_021163.1	Ca_kabuli_chr04	11265170	TT	CC	1940276170
SNP_P1_55927_11265509	NC_021163.1	Ca_kabuli_chr04	11265509	CC	TT	1940276172
SNP_P1_55928_11266642	NC_021163.1	Ca_kabuli_chr04	11266642	GG	AA	1940276173
SNP_P1_55929_11266649	NC_021163.1	Ca_kabuli_chr04	11266649	CC	AA	1940276174
SNP_P1_55930_11266663	NC_021163.1	Ca_kabuli_chr04	11266663	TT	AA	1940276176
SNP_P1_55931_11269500	NC_021163.1	Ca_kabuli_chr04	11269500	AA	GG	1940276177
SNP_P1_55932_11269505	NC_021163.1	Ca_kabuli_chr04	11269505	TT	CC	1940276178
SNP_P1_55933_11269580	NC_021163.1	Ca_kabuli_chr04	11269580	TT	GG	1940276179
SNP_P1_55934_11269875	NC_021163.1	Ca_kabuli_chr04	11269875	CC	TT	1940276180
SNP_P1_55935_11269887	NC_021163.1	Ca_kabuli_chr04	11269887	GG	AA	1940276182
SNP_P1_55936_11269978	NC_021163.1	Ca_kabuli_chr04	11269978	CC	GG	1940276183
SNP_P1_55937_11270103	NC_021163.1	Ca_kabuli_chr04	11270103	AA	TT	1940276185
SNP_P1_55938_11270366	NC_021163.1	Ca_kabuli_chr04	11270366	AA	CC	1940276186
SNP_P1_55939_11270420	NC_021163.1	Ca_kabuli_chr04	11270420	TT	CC	1940276189
SNP_P1_55940_11270425	NC_021163.1	Ca_kabuli_chr04	11270425	CC	GG	1940276191
SNP_P1_55941_11270649	NC_021163.1	Ca_kabuli_chr04	11270649	CC	GG	1940276194
SNP_P1_55942_11271099	NC_021163.1	Ca_kabuli_chr04	11271099	TT	AA	1940276197
SNP_P1_55944_11271477	NC_021163.1	Ca_kabuli_chr04	11271477	TT	CC	1940276199
SNP_P1_55945_11271638	NC_021163.1	Ca_kabuli_chr04	11271638	GG	CC	1940276202
SNP_P1_55946_11271658	NC_021163.1	Ca_kabuli_chr04	11271658	CC	TT	1940276205
SNP_P1_55947_11273526	NC_021163.1	Ca_kabuli_chr04	11273526	AA	TT	1940276208
SNP_P1_55948_11274281	NC_021163.1	Ca_kabuli_chr04	11274281	TT	CC	1940276210
SNP_P1_55949_11274745	NC_021163.1	Ca_kabuli_chr04	11274745	AA	GG	1940276212
SNP_P1_55950_11278211	NC_021163.1	Ca_kabuli_chr04	11278211	AA	TT	1940276214
SNP_P1_55951_11278213	NC_021163.1	Ca_kabuli_chr04	11278213	GG	TT	1940276217
SNP_P1_55952_11279378	NC_021163.1	Ca_kabuli_chr04	11279378	AA	GG	1940276219
SNP_P1_55953_11279554	NC_021163.1	Ca_kabuli_chr04	11279554	GG	AA	1940276221
SNP_P1_55954_11279687	NC_021163.1	Ca_kabuli_chr04	11279687	CC	GG	1940276223
SNP_P1_55955_11280839	NC_021163.1	Ca_kabuli_chr04	11280839	CC	TT	1940276224
SNP_P1_55956_11280841	NC_021163.1	Ca_kabuli_chr04	11280841	CC	TT	1940276226
SNP_P1_55957_11280905	NC_021163.1	Ca_kabuli_chr04	11280905	TT	CC	1940276228
SNP_P1_55958_11280911	NC_021163.1	Ca_kabuli_chr04	11280911	CC	TT	1940276230

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_55960_11281006	NC_021163.1	Ca_kabuli_chr04	11281006	AA	GG	1940276234
SNP_P1_55961_11281130	NC_021163.1	Ca_kabuli_chr04	11281130	GG	AA	1940276236
SNP_P1_55962_11281298	NC_021163.1	Ca_kabuli_chr04	11281298	AA	GG	1940276238
SNP_P1_55963_11281459	NC_021163.1	Ca_kabuli_chr04	11281459	CC	AA	1940276240
SNP_P1_55964_11281484	NC_021163.1	Ca_kabuli_chr04	11281484	AA	TT	1940276241
SNP_P1_55966_11281690	NC_021163.1	Ca_kabuli_chr04	11281690	GG	AA	1940276243
SNP_P1_55967_11281712	NC_021163.1	Ca_kabuli_chr04	11281712	AA	CC	1940276245
SNP_P1_55968_11281943	NC_021163.1	Ca_kabuli_chr04	11281943	TT	CC	1940276246
SNP_P1_55969_11281957	NC_021163.1	Ca_kabuli_chr04	11281957	AA	GG	1940276248
SNP_P1_55970_11281981	NC_021163.1	Ca_kabuli_chr04	11281981	CC	TT	1940276250
SNP_P1_55971_11282023	NC_021163.1	Ca_kabuli_chr04	11282023	TT	CC	1940276252
SNP_P1_55972_11282076	NC_021163.1	Ca_kabuli_chr04	11282076	CC	TT	1940276253
SNP_P1_55973_11282396	NC_021163.1	Ca_kabuli_chr04	11282396	CC	GG	1940276254
SNP_P1_55974_11282402	NC_021163.1	Ca_kabuli_chr04	11282402	CC	TT	1940276255
SNP_P1_55975_11282795	NC_021163.1	Ca_kabuli_chr04	11282795	CC	TT	1940276257
SNP_P1_55976_11283108	NC_021163.1	Ca_kabuli_chr04	11283108	TT	CC	1940276258
SNP_P1_55977_11284195	NC_021163.1	Ca_kabuli_chr04	11284195	AA	GG	1940276259
SNP_P1_55978_11285366	NC_021163.1	Ca_kabuli_chr04	11285366	GG	AA	1940276260
SNP_P1_55980_11286153	NC_021163.1	Ca_kabuli_chr04	11286153	AA	CC	1940276262
SNP_P1_55981_11287770	NC_021163.1	Ca_kabuli_chr04	11287770	AA	TT	1940276263
SNP_P1_55982_11290428	NC_021163.1	Ca_kabuli_chr04	11290428	GG	AA	1940276264
SNP_P1_55983_11290496	NC_021163.1	Ca_kabuli_chr04	11290496	AA	CC	1940276265
SNP_P1_55984_11291213	NC_021163.1	Ca_kabuli_chr04	11291213	CC	TT	1940276267
SNP_P1_55985_11297517	NC_021163.1	Ca_kabuli_chr04	11297517	TT	CC	1940276268
SNP_P1_55986_11297544	NC_021163.1	Ca_kabuli_chr04	11297544	CC	AA	1940276269
SNP_P1_55987_11297978	NC_021163.1	Ca_kabuli_chr04	11297978	TT	CC	1940276270
SNP_P1_55988_11298021	NC_021163.1	Ca_kabuli_chr04	11298021	AA	TT	1940276271
SNP_P1_55989_11298135	NC_021163.1	Ca_kabuli_chr04	11298135	GG	AA	1940276273
SNP_P1_55990_11298474	NC_021163.1	Ca_kabuli_chr04	11298474	TT	CC	1940276274
SNP_P1_55991_11299645	NC_021163.1	Ca_kabuli_chr04	11299645	TT	CC	1940276275
SNP_P1_55992_11300107	NC_021163.1	Ca_kabuli_chr04	11300107	CC	TT	1940276276
SNP_P1_55993_11300138	NC_021163.1	Ca_kabuli_chr04	11300138	GG	AA	1940276278
SNP_P1_55994_11300145	NC_021163.1	Ca_kabuli_chr04	11300145	CC	TT	1940276279
SNP_P1_55995_11300182	NC_021163.1	Ca_kabuli_chr04	11300182	CC	GG	1940276281
SNP_P1_55996_11300362	NC_021163.1	Ca_kabuli_chr04	11300362	CC	TT	1940276282
SNP_P1_55997_11300390	NC_021163.1	Ca_kabuli_chr04	11300390	TT	AA	1940276284
SNP_P1_55998_11300673	NC_021163.1	Ca_kabuli_chr04	11300673	TT	GG	1940276286
SNP_P1_55999_11300777	NC_021163.1	Ca_kabuli_chr04	11300777	CC	AA	1940276287
SNP_P1_56000_11301419	NC_021163.1	Ca_kabuli_chr04	11301419	AA	TT	1940276289
SNP_P1_56002_11303327	NC_021163.1	Ca_kabuli_chr04	11303327	CC	AA	1940276291
SNP_P1_56003_11303414	NC_021163.1	Ca_kabuli_chr04	11303414	CC	TT	1940276293

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56007_11308363	NC_021163.1	Ca_kabuli_chr04	11308363	GG	AA	1940276297
SNP_P1_56008_11308367	NC_021163.1	Ca_kabuli_chr04	11308367	TT	GG	1940276299
SNP_P1_56009_11310049	NC_021163.1	Ca_kabuli_chr04	11310049	CC	TT	1940276301
SNP_P1_56010_11310133	NC_021163.1	Ca_kabuli_chr04	11310133	GG	AA	1940276304
SNP_P1_56011_11310196	NC_021163.1	Ca_kabuli_chr04	11310196	TT	CC	1940276306
SNP_P1_56012_11310229	NC_021163.1	Ca_kabuli_chr04	11310229	GG	TT	1940276308
SNP_P1_56013_11312956	NC_021163.1	Ca_kabuli_chr04	11312956	GG	AA	1940276311
SNP_P1_56014_11313012	NC_021163.1	Ca_kabuli_chr04	11313012	GG	AA	1940276314
SNP_P1_56015_11313094	NC_021163.1	Ca_kabuli_chr04	11313094	TT	CC	1940276317
SNP_P1_56016_11313261	NC_021163.1	Ca_kabuli_chr04	11313261	AA	TT	1940276319
SNP_P1_56017_11313425	NC_021163.1	Ca_kabuli_chr04	11313425	GG	AA	1940276322
SNP_P1_56018_11313428	NC_021163.1	Ca_kabuli_chr04	11313428	GG	AA	1940276324
SNP_P1_56019_11314350	NC_021163.1	Ca_kabuli_chr04	11314350	CC	TT	1940276327
SNP_P1_56020_11314477	NC_021163.1	Ca_kabuli_chr04	11314477	GG	AA	1940276329
SNP_P1_56021_11314897	NC_021163.1	Ca_kabuli_chr04	11314897	TT	CC	1940276332
SNP_P1_56022_11314975	NC_021163.1	Ca_kabuli_chr04	11314975	CC	TT	1940276334
SNP_P1_56023_11315502	NC_021163.1	Ca_kabuli_chr04	11315502	GG	AA	1940276335
SNP_P1_56024_11315820	NC_021163.1	Ca_kabuli_chr04	11315820	CC	TT	1940276337
SNP_P1_56025_11315826	NC_021163.1	Ca_kabuli_chr04	11315826	TT	AA	1940276339
SNP_P1_56026_11315827	NC_021163.1	Ca_kabuli_chr04	11315827	TT	AA	1940276341
SNP_P1_56027_11315830	NC_021163.1	Ca_kabuli_chr04	11315830	TT	CC	1940276343
SNP_P1_56028_11315842	NC_021163.1	Ca_kabuli_chr04	11315842	AA	GG	1940276344
SNP_P1_56030_11318074	NC_021163.1	Ca_kabuli_chr04	11318074	AA	TT	1940276346
SNP_P1_56031_11318238	NC_021163.1	Ca_kabuli_chr04	11318238	CC	TT	1940276348
SNP_P1_56032_11318361	NC_021163.1	Ca_kabuli_chr04	11318361	TT	CC	1940276349
SNP_P1_56033_11318371	NC_021163.1	Ca_kabuli_chr04	11318371	AA	GG	1940276351
SNP_P1_56034_11318395	NC_021163.1	Ca_kabuli_chr04	11318395	CC	TT	1940276352
SNP_P1_56035_11318617	NC_021163.1	Ca_kabuli_chr04	11318617	TT	AA	1940276355
SNP_P1_56036_11320290	NC_021163.1	Ca_kabuli_chr04	11320290	CC	GG	1940276357
SNP_P1_56037_11321099	NC_021163.1	Ca_kabuli_chr04	11321099	TT	GG	1940276360
SNP_P1_56038_11321122	NC_021163.1	Ca_kabuli_chr04	11321122	CC	TT	1940276363
SNP_P1_56039_11321123	NC_021163.1	Ca_kabuli_chr04	11321123	AA	CC	1940276365
SNP_P1_56040_11321361	NC_021163.1	Ca_kabuli_chr04	11321361	TT	AA	1940276368
SNP_P1_56041_11321369	NC_021163.1	Ca_kabuli_chr04	11321369	GG	AA	1940276370
SNP_P1_56042_11321643	NC_021163.1	Ca_kabuli_chr04	11321643	GG	AA	1940276372
SNP_P1_56043_11321647	NC_021163.1	Ca_kabuli_chr04	11321647	GG	TT	1940276375
SNP_P1_56045_11321727	NC_021163.1	Ca_kabuli_chr04	11321727	TT	CC	1940276378
SNP_P1_56046_11321848	NC_021163.1	Ca_kabuli_chr04	11321848	GG	TT	1940276381
SNP_P1_56047_11322172	NC_021163.1	Ca_kabuli_chr04	11322172	CC	AA	1940276383
SNP_P1_56048_11322212	NC_021163.1	Ca_kabuli_chr04	11322212	CC	TT	1940276386
SNP_P1_56049_11322292	NC_021163.1	Ca_kabuli_chr04	11322292	AA	GG	1940276389

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56053_11322701	NC_021163.1	Ca_kabuli_chr04	11322701	TT	AA	1940276396
SNP_P1_56054_11322834	NC_021163.1	Ca_kabuli_chr04	11322834	AA	GG	1940276398
SNP_P1_56055_11323813	NC_021163.1	Ca_kabuli_chr04	11323813	AA	GG	1940276401
SNP_P1_56057_11324851	NC_021163.1	Ca_kabuli_chr04	11324851	CC	TT	1940276402
SNP_P1_56058_11324853	NC_021163.1	Ca_kabuli_chr04	11324853	CC	TT	1940276404
SNP_P1_56059_11325048	NC_021163.1	Ca_kabuli_chr04	11325048	TT	GG	1940276405
SNP_P1_56060_11325382	NC_021163.1	Ca_kabuli_chr04	11325382	CC	AA	1940276407
SNP_P1_56061_11326428	NC_021163.1	Ca_kabuli_chr04	11326428	GG	AA	1940276408
SNP_P1_56062_11327079	NC_021163.1	Ca_kabuli_chr04	11327079	AA	CC	1940276410
SNP_P1_56063_11327080	NC_021163.1	Ca_kabuli_chr04	11327080	TT	CC	1940276411
SNP_P1_56064_11327148	NC_021163.1	Ca_kabuli_chr04	11327148	CC	TT	1940276412
SNP_P1_56065_11327180	NC_021163.1	Ca_kabuli_chr04	11327180	CC	TT	1940276413
SNP_P1_56066_11327194	NC_021163.1	Ca_kabuli_chr04	11327194	TT	CC	1940276415
SNP_P1_56067_11327223	NC_021163.1	Ca_kabuli_chr04	11327223	AA	TT	1940276416
SNP_P1_56068_11327229	NC_021163.1	Ca_kabuli_chr04	11327229	AA	CC	1940276418
SNP_P1_56069_11327244	NC_021163.1	Ca_kabuli_chr04	11327244	AA	GG	1940276420
SNP_P1_56071_11327507	NC_021163.1	Ca_kabuli_chr04	11327507	CC	AA	1940276421
SNP_P1_56072_11329476	NC_021163.1	Ca_kabuli_chr04	11329476	GG	TT	1940276422
SNP_P1_56075_11332454	NC_021163.1	Ca_kabuli_chr04	11332454	GG	AA	1940276423
SNP_P1_56076_11333394	NC_021163.1	Ca_kabuli_chr04	11333394	CC	GG	1940276425
SNP_P1_56077_11334056	NC_021163.1	Ca_kabuli_chr04	11334056	AA	GG	1940276426
SNP_P1_56078_11334058	NC_021163.1	Ca_kabuli_chr04	11334058	CC	GG	1940276427
SNP_P1_56079_11335738	NC_021163.1	Ca_kabuli_chr04	11335738	CC	AA	1940276429
SNP_P1_56080_11336489	NC_021163.1	Ca_kabuli_chr04	11336489	TT	CC	1940276430
SNP_P1_56081_11336559	NC_021163.1	Ca_kabuli_chr04	11336559	CC	TT	1940276432
SNP_P1_56082_11337065	NC_021163.1	Ca_kabuli_chr04	11337065	CC	TT	1940276434
SNP_P1_56084_11337980	NC_021163.1	Ca_kabuli_chr04	11337980	TT	AA	1940276435
SNP_P1_56085_11338519	NC_021163.1	Ca_kabuli_chr04	11338519	TT	CC	1940276437
SNP_P1_56086_11338538	NC_021163.1	Ca_kabuli_chr04	11338538	CC	TT	1940276438
SNP_P1_56087_11338927	NC_021163.1	Ca_kabuli_chr04	11338927	AA	GG	1940276440
SNP_P1_56088_11339344	NC_021163.1	Ca_kabuli_chr04	11339344	CC	TT	1940276441
SNP_P1_56089_11339390	NC_021163.1	Ca_kabuli_chr04	11339390	AA	GG	1940276442
SNP_P1_56090_11339434	NC_021163.1	Ca_kabuli_chr04	11339434	AA	GG	1940276444
SNP_P1_56092_11339544	NC_021163.1	Ca_kabuli_chr04	11339544	TT	AA	1940276445
SNP_P1_56093_11340243	NC_021163.1	Ca_kabuli_chr04	11340243	GG	AA	1940276446
SNP_P1_56094_11340246	NC_021163.1	Ca_kabuli_chr04	11340246	CC	TT	1940276448
SNP_P1_56095_11340307	NC_021163.1	Ca_kabuli_chr04	11340307	CC	TT	1940276449
SNP_P1_56096_11340315	NC_021163.1	Ca_kabuli_chr04	11340315	AA	GG	1940276451
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SNP_P1_56098_11340329	NC_021163.1	Ca_kabuli_chr04	11340329	GG	AA	1940276454
SNP_P1_56099_11340371	NC_021163.1	Ca_kabuli_chr04	11340371	TT	CC	1940276456

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56102_11343649	NC_021163.1	Ca_kabuli_chr04	11343649	AA	GG	1940276459
SNP_P1_56103_11344011	NC_021163.1	Ca_kabuli_chr04	11344011	GG	AA	1940276461
SNP_P1_56104_11344739	NC_021163.1	Ca_kabuli_chr04	11344739	CC	AA	1940276462
SNP_P1_56105_11344740	NC_021163.1	Ca_kabuli_chr04	11344740	GG	AA	1940276464
SNP_P1_56107_11346916	NC_021163.1	Ca_kabuli_chr04	11346916	AA	GG	1940276466
SNP_P1_56108_11347005	NC_021163.1	Ca_kabuli_chr04	11347005	TT	GG	1940276467
SNP_P1_56109_11347049	NC_021163.1	Ca_kabuli_chr04	11347049	CC	TT	1940276469
SNP_P1_56110_11347464	NC_021163.1	Ca_kabuli_chr04	11347464	GG	CC	1940276470
SNP_P1_56111_11347475	NC_021163.1	Ca_kabuli_chr04	11347475	CC	TT	1940276472
SNP_P1_56112_11347530	NC_021163.1	Ca_kabuli_chr04	11347530	AA	GG	1940276473
SNP_P1_56113_11347601	NC_021163.1	Ca_kabuli_chr04	11347601	TT	CC	1940276475
SNP_P1_56114_11347852	NC_021163.1	Ca_kabuli_chr04	11347852	CC	TT	1940276477
SNP_P1_56115_11347864	NC_021163.1	Ca_kabuli_chr04	11347864	TT	AA	1940276478
SNP_P1_56116_11347884	NC_021163.1	Ca_kabuli_chr04	11347884	CC	TT	1940276480
SNP_P1_56117_11348157	NC_021163.1	Ca_kabuli_chr04	11348157	CC	GG	1940276481
SNP_P1_56118_11348966	NC_021163.1	Ca_kabuli_chr04	11348966	TT	CC	1940276483
SNP_P1_56119_11349953	NC_021163.1	Ca_kabuli_chr04	11349953	CC	TT	1940276485
SNP_P1_56121_11352059	NC_021163.1	Ca_kabuli_chr04	11352059	AA	TT	1940276486
SNP_P1_56122_11352089	NC_021163.1	Ca_kabuli_chr04	11352089	AA	GG	1940276488
SNP_P1_56123_11352103	NC_021163.1	Ca_kabuli_chr04	11352103	TT	CC	1940276490
SNP_P1_56124_11352356	NC_021163.1	Ca_kabuli_chr04	11352356	AA	CC	1940276492
SNP_P1_56125_11352395	NC_021163.1	Ca_kabuli_chr04	11352395	TT	CC	1940276493
SNP_P1_56126_11352750	NC_021163.1	Ca_kabuli_chr04	11352750	AA	GG	1940276495
SNP_P1_56127_11353381	NC_021163.1	Ca_kabuli_chr04	11353381	CC	TT	1940276496
SNP_P1_56128_11353871	NC_021163.1	Ca_kabuli_chr04	11353871	AA	GG	1940276498
SNP_P1_56129_11354173	NC_021163.1	Ca_kabuli_chr04	11354173	AA	GG	1940276499
SNP_P1_56131_11354441	NC_021163.1	Ca_kabuli_chr04	11354441	CC	TT	1940276501
SNP_P1_56132_11354519	NC_021163.1	Ca_kabuli_chr04	11354519	TT	GG	1940276502
SNP_P1_56133_11354632	NC_021163.1	Ca_kabuli_chr04	11354632	GG	AA	1940276504
SNP_P1_56134_11354647	NC_021163.1	Ca_kabuli_chr04	11354647	TT	GG	1940276505
SNP_P1_56135_11354655	NC_021163.1	Ca_kabuli_chr04	11354655	AA	TT	1940276507
SNP_P1_56136_11354671	NC_021163.1	Ca_kabuli_chr04	11354671	TT	AA	1940276508
SNP_P1_56137_11355002	NC_021163.1	Ca_kabuli_chr04	11355002	GG	AA	1940276510
SNP_P1_56138_11355882	NC_021163.1	Ca_kabuli_chr04	11355882	GG	AA	1940276512
SNP_P1_56139_11356110	NC_021163.1	Ca_kabuli_chr04	11356110	GG	AA	1940276513
SNP_P1_56140_11356121	NC_021163.1	Ca_kabuli_chr04	11356121	CC	GG	1940276515
SNP_P1_56141_11356226	NC_021163.1	Ca_kabuli_chr04	11356226	CC	AA	1940276516
SNP_P1_56147_11357194	NC_021163.1	Ca_kabuli_chr04	11357194	TT	CC	1940276518
SNP_P1_56148_11357200	NC_021163.1	Ca_kabuli_chr04	11357200	GG	AA	1940276519
SNP_P1_56149_11357203	NC_021163.1	Ca_kabuli_chr04	11357203	CC	TT	1940276520
SNP_P1_56150_11357206	NC_021163.1	Ca_kabuli_chr04	11357206	AA	GG	1940276522

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56152_11357290	NC_021163.1	Ca_kabuli_chr04	11357290	TT	CC	1940276524
SNP_P1_56153_11357291	NC_021163.1	Ca_kabuli_chr04	11357291	AA	GG	1940276525
SNP_P1_56154_11357495	NC_021163.1	Ca_kabuli_chr04	11357495	AA	GG	1940276527
SNP_P1_56155_11357587	NC_021163.1	Ca_kabuli_chr04	11357587	TT	GG	1940276528
SNP_P1_56156_11357773	NC_021163.1	Ca_kabuli_chr04	11357773	GG	AA	1940276530
SNP_P1_56158_11360216	NC_021163.1	Ca_kabuli_chr04	11360216	GG	AA	1940276531
SNP_P1_56160_11361797	NC_021163.1	Ca_kabuli_chr04	11361797	CC	TT	1940276533
SNP_P1_56161_11362045	NC_021163.1	Ca_kabuli_chr04	11362045	GG	TT	1940276534
SNP_P1_56162_11362790	NC_021163.1	Ca_kabuli_chr04	11362790	GG	CC	1940276536
SNP_P1_56163_11362833	NC_021163.1	Ca_kabuli_chr04	11362833	GG	AA	1940276537
SNP_P1_56164_11363351	NC_021163.1	Ca_kabuli_chr04	11363351	TT	CC	1940276539
SNP_P1_56165_11364937	NC_021163.1	Ca_kabuli_chr04	11364937	AA	CC	1940276540
SNP_P1_56166_11364979	NC_021163.1	Ca_kabuli_chr04	11364979	GG	AA	1940276542
SNP_P1_56167_11365031	NC_021163.1	Ca_kabuli_chr04	11365031	TT	GG	1940276543
SNP_P1_56168_11365135	NC_021163.1	Ca_kabuli_chr04	11365135	CC	TT	1940276545
SNP_P1_56169_11365147	NC_021163.1	Ca_kabuli_chr04	11365147	GG	AA	1940276546
SNP_P1_56170_11365190	NC_021163.1	Ca_kabuli_chr04	11365190	TT	CC	1940276547
SNP_P1_56171_11365781	NC_021163.1	Ca_kabuli_chr04	11365781	CC	TT	1940276549
SNP_P1_56172_11365793	NC_021163.1	Ca_kabuli_chr04	11365793	TT	CC	1940276550
SNP_P1_56173_11365820	NC_021163.1	Ca_kabuli_chr04	11365820	CC	GG	1940276551
SNP_P1_56174_11365873	NC_021163.1	Ca_kabuli_chr04	11365873	AA	GG	1940276553
SNP_P1_56175_11365921	NC_021163.1	Ca_kabuli_chr04	11365921	GG	AA	1940276554
SNP_P1_56176_11366153	NC_021163.1	Ca_kabuli_chr04	11366153	AA	CC	1940276556
SNP_P1_56177_11366424	NC_021163.1	Ca_kabuli_chr04	11366424	AA	TT	1940276557
SNP_P1_56178_11366429	NC_021163.1	Ca_kabuli_chr04	11366429	AA	CC	1940276558
SNP_P1_56179_11366454	NC_021163.1	Ca_kabuli_chr04	11366454	TT	CC	1940276560
SNP_P1_56180_11366616	NC_021163.1	Ca_kabuli_chr04	11366616	CC	TT	1940276561
SNP_P1_56181_11366660	NC_021163.1	Ca_kabuli_chr04	11366660	GG	CC	1940276562
SNP_P1_56182_11366921	NC_021163.1	Ca_kabuli_chr04	11366921	GG	AA	1940276564
SNP_P1_56183_11369807	NC_021163.1	Ca_kabuli_chr04	11369807	TT	AA	1940276565
SNP_P1_56184_11369944	NC_021163.1	Ca_kabuli_chr04	11369944	GG	AA	1940276566
SNP_P1_56185_11370238	NC_021163.1	Ca_kabuli_chr04	11370238	TT	AA	1940276567
SNP_P1_56186_11370925	NC_021163.1	Ca_kabuli_chr04	11370925	AA	GG	1940276569
SNP_P1_56187_11370978	NC_021163.1	Ca_kabuli_chr04	11370978	TT	AA	1940276570
SNP_P1_56188_11370982	NC_021163.1	Ca_kabuli_chr04	11370982	CC	AA	1940276571
SNP_P1_56189_11371016	NC_021163.1	Ca_kabuli_chr04	11371016	TT	AA	1940276573
SNP_P1_56190_11371055	NC_021163.1	Ca_kabuli_chr04	11371055	CC	TT	1940276574
SNP_P1_56191_11371210	NC_021163.1	Ca_kabuli_chr04	11371210	GG	AA	1940276576
SNP_P1_56193_11371778	NC_021163.1	Ca_kabuli_chr04	11371778	TT	AA	1940276577
SNP_P1_56194_11371779	NC_021163.1	Ca_kabuli_chr04	11371779	TT	CC	1940276579
SNP_P1_56195_11372162	NC_021163.1	Ca_kabuli_chr04	11372162	AA	GG	1940276582

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56198_11373629	NC_021163.1	Ca_kabuli_chr04	11373629	CC	TT	1940276588
SNP_P1_56199_11373642	NC_021163.1	Ca_kabuli_chr04	11373642	TT	CC	1940276590
SNP_P1_56200_11373687	NC_021163.1	Ca_kabuli_chr04	11373687	TT	AA	1940276592
SNP_P1_56201_11373811	NC_021163.1	Ca_kabuli_chr04	11373811	CC	TT	1940276594
SNP_P1_56202_11374612	NC_021163.1	Ca_kabuli_chr04	11374612	CC	AA	1940276596
SNP_P1_56203_11374682	NC_021163.1	Ca_kabuli_chr04	11374682	AA	GG	1940276598
SNP_P1_56204_11374687	NC_021163.1	Ca_kabuli_chr04	11374687	GG	AA	1940276600
SNP_P1_56205_11374712	NC_021163.1	Ca_kabuli_chr04	11374712	AA	GG	1940276601
SNP_P1_56206_11375408	NC_021163.1	Ca_kabuli_chr04	11375408	GG	AA	1940276603
SNP_P1_56207_11375666	NC_021163.1	Ca_kabuli_chr04	11375666	GG	AA	1940276605
SNP_P1_56208_11375681	NC_021163.1	Ca_kabuli_chr04	11375681	GG	AA	1940276607
SNP_P1_56210_11375747	NC_021163.1	Ca_kabuli_chr04	11375747	TT	CC	1940276609
SNP_P1_56211_11375786	NC_021163.1	Ca_kabuli_chr04	11375786	TT	GG	1940276611
SNP_P1_56212_11375789	NC_021163.1	Ca_kabuli_chr04	11375789	AA	CC	1940276613
SNP_P1_56213_11375800	NC_021163.1	Ca_kabuli_chr04	11375800	AA	TT	1940276615
SNP_P1_56214_11376317	NC_021163.1	Ca_kabuli_chr04	11376317	AA	CC	1940276617
SNP_P1_56215_11376320	NC_021163.1	Ca_kabuli_chr04	11376320	CC	GG	1940276619
SNP_P1_56216_11376797	NC_021163.1	Ca_kabuli_chr04	11376797	GG	AA	1940276620
SNP_P1_56217_11379749	NC_021163.1	Ca_kabuli_chr04	11379749	TT	CC	1940276622
SNP_P1_56218_11380340	NC_021163.1	Ca_kabuli_chr04	11380340	AA	GG	1940276624
SNP_P1_56219_11380347	NC_021163.1	Ca_kabuli_chr04	11380347	GG	AA	1940276626
SNP_P1_56220_11380348	NC_021163.1	Ca_kabuli_chr04	11380348	TT	AA	1940276629
SNP_P1_56221_11380668	NC_021163.1	Ca_kabuli_chr04	11380668	AA	GG	1940276631
SNP_P1_56223_11380852	NC_021163.1	Ca_kabuli_chr04	11380852	TT	AA	1940276633
SNP_P1_56224_11382159	NC_021163.1	Ca_kabuli_chr04	11382159	AA	GG	1940276635
SNP_P1_56225_11382348	NC_021163.1	Ca_kabuli_chr04	11382348	TT	AA	1940276636
SNP_P1_56226_11382350	NC_021163.1	Ca_kabuli_chr04	11382350	CC	TT	1940276638
SNP_P1_56227_11382403	NC_021163.1	Ca_kabuli_chr04	11382403	AA	GG	1940276640
SNP_P1_56229_11384678	NC_021163.1	Ca_kabuli_chr04	11384678	AA	CC	1940276642
SNP_P1_56230_11385718	NC_021163.1	Ca_kabuli_chr04	11385718	CC	TT	1940276644
SNP_P1_56231_11387145	NC_021163.1	Ca_kabuli_chr04	11387145	GG	TT	1940276646
SNP_P1_56232_11387463	NC_021163.1	Ca_kabuli_chr04	11387463	AA	GG	1940276648
SNP_P1_56233_11390965	NC_021163.1	Ca_kabuli_chr04	11390965	CC	AA	1940276649
SNP_P1_56237_11393261	NC_021163.1	Ca_kabuli_chr04	11393261	TT	AA	1940276651
SNP_P1_56238_11395152	NC_021163.1	Ca_kabuli_chr04	11395152	GG	TT	1940276652
SNP_P1_56239_11397810	NC_021163.1	Ca_kabuli_chr04	11397810	TT	CC	1940276654
SNP_P1_56241_11399128	NC_021163.1	Ca_kabuli_chr04	11399128	AA	GG	1940276655
SNP_P1_56242_11399171	NC_021163.1	Ca_kabuli_chr04	11399171	AA	CC	1940276657
SNP_P1_56243_11399196	NC_021163.1	Ca_kabuli_chr04	11399196	GG	TT	1940276659
SNP_P1_56244_11399215	NC_021163.1	Ca_kabuli_chr04	11399215	AA	CC	1940276661

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56246_11399315	NC_021163.1	Ca_kabuli_chr04	11399315	AA	GG	1940276664
SNP_P1_56247_11399316	NC_021163.1	Ca_kabuli_chr04	11399316	GG	TT	1940276666
SNP_P1_56248_11399317	NC_021163.1	Ca_kabuli_chr04	11399317	TT	AA	1940276668
SNP_P1_56249_11399328	NC_021163.1	Ca_kabuli_chr04	11399328	GG	AA	1940276670
SNP_P1_56250_11399375	NC_021163.1	Ca_kabuli_chr04	11399375	AA	GG	1940276672
SNP_P1_56251_11399382	NC_021163.1	Ca_kabuli_chr04	11399382	TT	GG	1940276674
SNP_P1_56252_11399400	NC_021163.1	Ca_kabuli_chr04	11399400	TT	AA	1940276676
SNP_P1_56253_11399453	NC_021163.1	Ca_kabuli_chr04	11399453	GG	TT	1940276678
SNP_P1_56254_11399739	NC_021163.1	Ca_kabuli_chr04	11399739	TT	CC	1940276680
SNP_P1_56255_11399823	NC_021163.1	Ca_kabuli_chr04	11399823	GG	AA	1940276682
SNP_P1_56256_11400091	NC_021163.1	Ca_kabuli_chr04	11400091	AA	TT	1940276684
SNP_P1_56257_11400134	NC_021163.1	Ca_kabuli_chr04	11400134	GG	AA	1940276687
SNP_P1_56258_11400368	NC_021163.1	Ca_kabuli_chr04	11400368	GG	TT	1940276689
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SNP_P1_56260_11400483	NC_021163.1	Ca_kabuli_chr04	11400483	AA	GG	1940276693
SNP_P1_56261_11400556	NC_021163.1	Ca_kabuli_chr04	11400556	TT	AA	1940276695
SNP_P1_56262_11400766	NC_021163.1	Ca_kabuli_chr04	11400766	TT	AA	1940276697
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SNP_P1_56264_11400832	NC_021163.1	Ca_kabuli_chr04	11400832	TT	AA	1940276701
SNP_P1_56265_11400905	NC_021163.1	Ca_kabuli_chr04	11400905	TT	CC	1940276702
SNP_P1_56266_11400915	NC_021163.1	Ca_kabuli_chr04	11400915	GG	AA	1940276704
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SNP_P1_56268_11401210	NC_021163.1	Ca_kabuli_chr04	11401210	TT	GG	1940276708
SNP_P1_56269_11401213	NC_021163.1	Ca_kabuli_chr04	11401213	AA	GG	1940276710
SNP_P1_56270_11406139	NC_021163.1	Ca_kabuli_chr04	11406139	AA	CC	1940276713
SNP_P1_56271_11406144	NC_021163.1	Ca_kabuli_chr04	11406144	AA	TT	1940276714
SNP_P1_56272_11406509	NC_021163.1	Ca_kabuli_chr04	11406509	AA	GG	1940276716
SNP_P1_56273_11406512	NC_021163.1	Ca_kabuli_chr04	11406512	TT	GG	1940276717
SNP_P1_56274_11409662	NC_021163.1	Ca_kabuli_chr04	11409662	CC	TT	1940276719
SNP_P1_56275_11410734	NC_021163.1	Ca_kabuli_chr04	11410734	CC	TT	1940276720
SNP_P1_56276_11412122	NC_021163.1	Ca_kabuli_chr04	11412122	CC	TT	1940276722
SNP_P1_56277_11414788	NC_021163.1	Ca_kabuli_chr04	11414788	AA	CC	1940276724
SNP_P1_56278_11415142	NC_021163.1	Ca_kabuli_chr04	11415142	GG	AA	1940276726
SNP_P1_56279_11415190	NC_021163.1	Ca_kabuli_chr04	11415190	TT	CC	1940276728
SNP_P1_56280_11415391	NC_021163.1	Ca_kabuli_chr04	11415391	TT	CC	1940276729
SNP_P1_56281_11415454	NC_021163.1	Ca_kabuli_chr04	11415454	TT	CC	1940276731
SNP_P1_56282_11415521	NC_021163.1	Ca_kabuli_chr04	11415521	CC	TT	1940276732
SNP_P1_56283_11415646	NC_021163.1	Ca_kabuli_chr04	11415646	TT	CC	1940276734
SNP_P1_56284_11415653	NC_021163.1	Ca_kabuli_chr04	11415653	TT	CC	1940276735
SNP_P1_56285_11415705	NC_021163.1	Ca_kabuli_chr04	11415705	TT	CC	1940276737
SNP_P1_56286_11415776	NC_021163.1	Ca_kabuli_chr04	11415776	CC	AA	1940276738

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56288_11416024	NC_021163.1	Ca_kabuli_chr04	11416024	CC	TT	1940276741
SNP_P1_56289_11416057	NC_021163.1	Ca_kabuli_chr04	11416057	GG	AA	1940276742
SNP_P1_56290_11416180	NC_021163.1	Ca_kabuli_chr04	11416180	GG	AA	1940276744
SNP_P1_56292_11416613	NC_021163.1	Ca_kabuli_chr04	11416613	CC	AA	1940276745
SNP_P1_56293_11417715	NC_021163.1	Ca_kabuli_chr04	11417715	CC	AA	1940276747
SNP_P1_56295_11423261	NC_021163.1	Ca_kabuli_chr04	11423261	GG	AA	1940276748
SNP_P1_56297_11425682	NC_021163.1	Ca_kabuli_chr04	11425682	GG	CC	1940276750
SNP_P1_56298_11425772	NC_021163.1	Ca_kabuli_chr04	11425772	TT	CC	1940276751
SNP_P1_56299_11425833	NC_021163.1	Ca_kabuli_chr04	11425833	GG	AA	1940276753
SNP_P1_56300_11425844	NC_021163.1	Ca_kabuli_chr04	11425844	AA	GG	1940276754
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SNP_P1_56302_11426113	NC_021163.1	Ca_kabuli_chr04	11426113	AA	GG	1940276757
SNP_P1_56303_11426116	NC_021163.1	Ca_kabuli_chr04	11426116	AA	CC	1940276758
SNP_P1_56304_11426175	NC_021163.1	Ca_kabuli_chr04	11426175	TT	CC	1940276760
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SNP_P1_56306_11426490	NC_021163.1	Ca_kabuli_chr04	11426490	AA	CC	1940276763
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SNP_P1_56311_11429887	NC_021163.1	Ca_kabuli_chr04	11429887	GG	AA	1940276770
SNP_P1_56312_11429891	NC_021163.1	Ca_kabuli_chr04	11429891	AA	GG	1940276771
SNP_P1_56313_11432570	NC_021163.1	Ca_kabuli_chr04	11432570	GG	AA	1940276773
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SNP_P1_56316_11435782	NC_021163.1	Ca_kabuli_chr04	11435782	AA	GG	1940276776
SNP_P1_56318_11435947	NC_021163.1	Ca_kabuli_chr04	11435947	AA	GG	1940276778
SNP_P1_56319_11435999	NC_021163.1	Ca_kabuli_chr04	11435999	AA	GG	1940276779
SNP_P1_56320_11437584	NC_021163.1	Ca_kabuli_chr04	11437584	AA	TT	1940276780
SNP_P1_56321_11438717	NC_021163.1	Ca_kabuli_chr04	11438717	TT	CC	1940276781
SNP_P1_56322_11439539	NC_021163.1	Ca_kabuli_chr04	11439539	AA	TT	1940276783
SNP_P1_56323_11439540	NC_021163.1	Ca_kabuli_chr04	11439540	AA	GG	1940276784
SNP_P1_56324_11440109	NC_021163.1	Ca_kabuli_chr04	11440109	CC	TT	1940276785
SNP_P1_56325_11440998	NC_021163.1	Ca_kabuli_chr04	11440998	GG	AA	1940276787
SNP_P1_56327_11441257	NC_021163.1	Ca_kabuli_chr04	11441257	CC	AA	1940276788
SNP_P1_56328_11441263	NC_021163.1	Ca_kabuli_chr04	11441263	CC	AA	1940276789
SNP_P1_56329_11441308	NC_021163.1	Ca_kabuli_chr04	11441308	CC	TT	1940276791
SNP_P1_56330_11441536	NC_021163.1	Ca_kabuli_chr04	11441536	AA	GG	1940276792
SNP_P1_56331_11441553	NC_021163.1	Ca_kabuli_chr04	11441553	AA	TT	1940276794
SNP_P1_56332_11441604	NC_021163.1	Ca_kabuli_chr04	11441604	TT	AA	1940276795
SNP_P1_56333_11441673	NC_021163.1	Ca_kabuli_chr04	11441673	GG	AA	1940276796

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56335_11442061	NC_021163.1	Ca_kabuli_chr04	11442061	TT	CC	1940276799
SNP_P1_56336_11442099	NC_021163.1	Ca_kabuli_chr04	11442099	CC	TT	1940276800
SNP_P1_56337_11442799	NC_021163.1	Ca_kabuli_chr04	11442799	CC	TT	1940276802
SNP_P1_56338_11442992	NC_021163.1	Ca_kabuli_chr04	11442992	TT	GG	1940276803
SNP_P1_56340_11443042	NC_021163.1	Ca_kabuli_chr04	11443042	AA	TT	1940276805
SNP_P1_56341_11443114	NC_021163.1	Ca_kabuli_chr04	11443114	AA	TT	1940276806
SNP_P1_56342_11443240	NC_021163.1	Ca_kabuli_chr04	11443240	CC	TT	1940276808
SNP_P1_56343_11443306	NC_021163.1	Ca_kabuli_chr04	11443306	GG	AA	1940276809
SNP_P1_56344_11443390	NC_021163.1	Ca_kabuli_chr04	11443390	AA	TT	1940276810
SNP_P1_56345_11443400	NC_021163.1	Ca_kabuli_chr04	11443400	CC	GG	1940276812
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SNP_P1_56347_11445206	NC_021163.1	Ca_kabuli_chr04	11445206	CC	TT	1940276815
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SNP_P1_56350_11445271	NC_021163.1	Ca_kabuli_chr04	11445271	GG	AA	1940276819
SNP_P1_56351_11445336	NC_021163.1	Ca_kabuli_chr04	11445336	CC	TT	1940276821
SNP_P1_56352_11445534	NC_021163.1	Ca_kabuli_chr04	11445534	TT	CC	1940276822
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SNP_P1_56365_11447899	NC_021163.1	Ca_kabuli_chr04	11447899	TT	CC	1940276839
SNP_P1_56366_11448276	NC_021163.1	Ca_kabuli_chr04	11448276	TT	CC	1940276840
SNP_P1_56367_11448641	NC_021163.1	Ca_kabuli_chr04	11448641	TT	GG	1940276841
SNP_P1_56368_11450593	NC_021163.1	Ca_kabuli_chr04	11450593	CC	AA	1940276843
SNP_P1_56369_11451197	NC_021163.1	Ca_kabuli_chr04	11451197	AA	GG	1940276844
SNP_P1_56370_11451198	NC_021163.1	Ca_kabuli_chr04	11451198	CC	GG	1940276846
SNP_P1_56372_11451822	NC_021163.1	Ca_kabuli_chr04	11451822	AA	TT	1940276847
SNP_P1_56373_11451835	NC_021163.1	Ca_kabuli_chr04	11451835	CC	GG	1940276849
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SNP_P1_56378_11452954	NC_021163.1	Ca_kabuli_chr04	11452954	AA	TT	1940276855
SNP_P1_56379_11453325	NC_021163.1	Ca_kabuli_chr04	11453325	TT	CC	1940276857
SNP_P1_56380_11453332	NC_021163.1	Ca_kabuli_chr04	11453332	CC	AA	1940276858
SNP_P1_56381_11454820	NC_021163.1	Ca_kabuli_chr04	11454820	TT	CC	1940276860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56384_11455120	NC_021163.1	Ca_kabuli_chr04	11455120	CC	TT	1940276865
SNP_P1_56385_11455121	NC_021163.1	Ca_kabuli_chr04	11455121	AA	CC	1940276866
SNP_P1_56386_11455131	NC_021163.1	Ca_kabuli_chr04	11455131	TT	CC	1940276868
SNP_P1_56387_11455184	NC_021163.1	Ca_kabuli_chr04	11455184	GG	AA	1940276869
SNP_P1_56388_11455198	NC_021163.1	Ca_kabuli_chr04	11455198	AA	CC	1940276871
SNP_P1_56389_11455212	NC_021163.1	Ca_kabuli_chr04	11455212	GG	AA	1940276872
SNP_P1_56390_11455215	NC_021163.1	Ca_kabuli_chr04	11455215	TT	GG	1940276874
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SNP_P1_56398_11459939	NC_021163.1	Ca_kabuli_chr04	11459939	AA	TT	1940276884
SNP_P1_56399_11460220	NC_021163.1	Ca_kabuli_chr04	11460220	AA	GG	1940276886
SNP_P1_56400_11460230	NC_021163.1	Ca_kabuli_chr04	11460230	GG	AA	1940276887
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SNP_P1_56403_11461462	NC_021163.1	Ca_kabuli_chr04	11461462	CC	TT	1940276892
SNP_P1_56404_11461694	NC_021163.1	Ca_kabuli_chr04	11461694	AA	TT	1940276893
SNP_P1_56405_11461766	NC_021163.1	Ca_kabuli_chr04	11461766	GG	TT	1940276895
SNP_P1_56406_11463174	NC_021163.1	Ca_kabuli_chr04	11463174	AA	GG	1940276896
SNP_P1_56407_11463181	NC_021163.1	Ca_kabuli_chr04	11463181	AA	CC	1940276897
SNP_P1_56408_11463214	NC_021163.1	Ca_kabuli_chr04	11463214	CC	TT	1940276899
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SNP_P1_56410_11465075	NC_021163.1	Ca_kabuli_chr04	11465075	TT	CC	1940276902
SNP_P1_56411_11466893	NC_021163.1	Ca_kabuli_chr04	11466893	GG	AA	1940276903
SNP_P1_56412_11466938	NC_021163.1	Ca_kabuli_chr04	11466938	AA	TT	1940276904
SNP_P1_56413_11466952	NC_021163.1	Ca_kabuli_chr04	11466952	TT	CC	1940276906
SNP_P1_56414_11467014	NC_021163.1	Ca_kabuli_chr04	11467014	CC	AA	1940276907
SNP_P1_56415_11467017	NC_021163.1	Ca_kabuli_chr04	11467017	GG	AA	1940276909
SNP_P1_56416_11467020	NC_021163.1	Ca_kabuli_chr04	11467020	TT	CC	1940276910
SNP_P1_56417_11467423	NC_021163.1	Ca_kabuli_chr04	11467423	GG	AA	1940276912
SNP_P1_56418_11467434	NC_021163.1	Ca_kabuli_chr04	11467434	AA	GG	1940276913
SNP_P1_56419_11467453	NC_021163.1	Ca_kabuli_chr04	11467453	CC	TT	1940276914
SNP_P1_56420_11467577	NC_021163.1	Ca_kabuli_chr04	11467577	TT	CC	1940276916
SNP_P1_56421_11467608	NC_021163.1	Ca_kabuli_chr04	11467608	GG	AA	1940276917
SNP_P1_56422_11467778	NC_021163.1	Ca_kabuli_chr04	11467778	CC	TT	1940276918
SNP_P1_56423_11467887	NC_021163.1	Ca_kabuli_chr04	11467887	AA	GG	1940276920
SNP_P1_56424_11467924	NC_021163.1	Ca_kabuli_chr04	11467924	GG	TT	1940276922

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_56425_11467968	NC_021163.1	Ca_kabuli_chr04	11467968	AA	GG	1940276923
SNP_P1_56426_11468115	NC_021163.1	Ca_kabuli_chr04	11468115	CC	TT	1940276924
SNP_P1_56427_11468146	NC_021163.1	Ca_kabuli_chr04	11468146	GG	AA	1940276926
SNP_P1_56429_11468259	NC_021163.1	Ca_kabuli_chr04	11468259	CC	TT	1940276927
SNP_P1_56430_11468268	NC_021163.1	Ca_kabuli_chr04	11468268	TT	CC	1940276928
SNP_P1_56431_11468750	NC_021163.1	Ca_kabuli_chr04	11468750	CC	TT	1940276930
SNP_P1_56432_11468769	NC_021163.1	Ca_kabuli_chr04	11468769	AA	GG	1940276931
SNP_P1_56433_11468777	NC_021163.1	Ca_kabuli_chr04	11468777	CC	TT	1940276932
SNP_P1_56434_11468822	NC_021163.1	Ca_kabuli_chr04	11468822	TT	CC	1940276934
SNP_P1_56435_11469095	NC_021163.1	Ca_kabuli_chr04	11469095	AA	TT	1940276935
SNP_P1_56436_11469103	NC_021163.1	Ca_kabuli_chr04	11469103	GG	CC	1940276937
SNP_P1_56437_11469538	NC_021163.1	Ca_kabuli_chr04	11469538	AA	GG	1940276938
SNP_P1_56438_11469569	NC_021163.1	Ca_kabuli_chr04	11469569	AA	TT	1940276940
SNP_P1_56439_11469787	NC_021163.1	Ca_kabuli_chr04	11469787	TT	CC	1940276942
SNP_P1_56440_11469794	NC_021163.1	Ca_kabuli_chr04	11469794	TT	CC	1940276943
SNP_P1_56441_11469798	NC_021163.1	Ca_kabuli_chr04	11469798	TT	AA	1940276945
SNP_P1_56442_11469800	NC_021163.1	Ca_kabuli_chr04	11469800	GG	AA	1940276946
SNP_P1_56443_11469815	NC_021163.1	Ca_kabuli_chr04	11469815	TT	CC	1940276948
SNP_P1_56444_11470142	NC_021163.1	Ca_kabuli_chr04	11470142	GG	AA	1940276950
SNP_P1_56445_11470166	NC_021163.1	Ca_kabuli_chr04	11470166	AA	GG	1940276951
SNP_P1_56446_11470208	NC_021163.1	Ca_kabuli_chr04	11470208	GG	CC	1940276953
SNP_P1_56447_11470486	NC_021163.1	Ca_kabuli_chr04	11470486	GG	AA	1940276955
SNP_P1_56448_11470523	NC_021163.1	Ca_kabuli_chr04	11470523	TT	CC	1940276956
SNP_P1_56449_11471098	NC_021163.1	Ca_kabuli_chr04	11471098	CC	TT	1940276958
SNP_P1_56451_11471233	NC_021163.1	Ca_kabuli_chr04	11471233	TT	CC	1940276959
SNP_P1_56452_11471347	NC_021163.1	Ca_kabuli_chr04	11471347	TT	CC	1940276961
SNP_P1_56453_11471426	NC_021163.1	Ca_kabuli_chr04	11471426	TT	GG	1940276963
SNP_P1_56454_11471465	NC_021163.1	Ca_kabuli_chr04	11471465	GG	AA	1940276964
SNP_P1_56455_11471498	NC_021163.1	Ca_kabuli_chr04	11471498	TT	CC	1940276966
SNP_P1_56456_11471556	NC_021163.1	Ca_kabuli_chr04	11471556	AA	TT	1940276967
SNP_P1_56457_11471568	NC_021163.1	Ca_kabuli_chr04	11471568	CC	AA	1940276969
SNP_P1_56458_11471596	NC_021163.1	Ca_kabuli_chr04	11471596	TT	CC	1940276971
SNP_P1_56459_11471641	NC_021163.1	Ca_kabuli_chr04	11471641	AA	GG	1940276972
SNP_P1_56460_11471745	NC_021163.1	Ca_kabuli_chr04	11471745	CC	TT	1940276974
SNP_P1_56461_11471766	NC_021163.1	Ca_kabuli_chr04	11471766	GG	AA	1940276976
SNP_P1_56462_11471873	NC_021163.1	Ca_kabuli_chr04	11471873	GG	AA	1940276977
SNP_P1_56463_11471983	NC_021163.1	Ca_kabuli_chr04	11471983	CC	AA	1940276979
SNP_P1_56465_11474084	NC_021163.1	Ca_kabuli_chr04	11474084	TT	GG	1940276980
SNP_P1_56466_11475752	NC_021163.1	Ca_kabuli_chr04	11475752	GG	TT	1940276982
SNP_P1_56467_11476748	NC_021163.1	Ca_kabuli_chr04	11476748	GG	AA	1940276984
SNP_P1_56468_11476780	NC_021163.1	Ca_kabuli_chr04	11476780	CC	AA	1940276985
SNP_P1_56469_11476804	NC_021163.1	Ca_kabuli_chr04	11476804	TT	GG	1940276987

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56471_11477517	NC_021163.1	Ca_kabuli_chr04	11477517	GG	TT	1940276990
SNP_P1_56472_11477555	NC_021163.1	Ca_kabuli_chr04	11477555	CC	GG	1940276992
SNP_P1_56473_11477588	NC_021163.1	Ca_kabuli_chr04	11477588	TT	CC	1940276994
SNP_P1_56474_11478147	NC_021163.1	Ca_kabuli_chr04	11478147	AA	CC	1940276995
SNP_P1_56476_11480310	NC_021163.1	Ca_kabuli_chr04	11480310	GG	TT	1940276997
SNP_P1_56477_11480604	NC_021163.1	Ca_kabuli_chr04	11480604	TT	CC	1940276999
SNP_P1_56478_11480618	NC_021163.1	Ca_kabuli_chr04	11480618	CC	TT	1940277000
SNP_P1_56479_11481582	NC_021163.1	Ca_kabuli_chr04	11481582	GG	TT	1940277002
SNP_P1_56480_11481701	NC_021163.1	Ca_kabuli_chr04	11481701	AA	GG	1940277003
SNP_P1_56481_11481705	NC_021163.1	Ca_kabuli_chr04	11481705	CC	GG	1940277005
SNP_P1_56482_11481943	NC_021163.1	Ca_kabuli_chr04	11481943	TT	AA	1940277006
SNP_P1_56483_11482365	NC_021163.1	Ca_kabuli_chr04	11482365	AA	GG	1940277008
SNP_P1_56485_11482801	NC_021163.1	Ca_kabuli_chr04	11482801	CC	TT	1940277009
SNP_P1_56486_11485381	NC_021163.1	Ca_kabuli_chr04	11485381	GG	AA	1940277011
SNP_P1_56487_11489077	NC_021163.1	Ca_kabuli_chr04	11489077	TT	AA	1940277012
SNP_P1_56488_11492410	NC_021163.1	Ca_kabuli_chr04	11492410	CC	GG	1940277013
SNP_P1_56489_11492581	NC_021163.1	Ca_kabuli_chr04	11492581	TT	CC	1940277015
SNP_P1_56490_11492588	NC_021163.1	Ca_kabuli_chr04	11492588	TT	GG	1940277016
SNP_P1_56492_11493013	NC_021163.1	Ca_kabuli_chr04	11493013	CC	TT	1940277017
SNP_P1_56493_11493259	NC_021163.1	Ca_kabuli_chr04	11493259	GG	AA	1940277019
SNP_P1_56494_11493277	NC_021163.1	Ca_kabuli_chr04	11493277	TT	AA	1940277020
SNP_P1_56496_11493509	NC_021163.1	Ca_kabuli_chr04	11493509	GG	CC	1940277021
SNP_P1_56499_11494646	NC_021163.1	Ca_kabuli_chr04	11494646	TT	AA	1940277023
SNP_P1_56500_11494676	NC_021163.1	Ca_kabuli_chr04	11494676	AA	GG	1940277025
SNP_P1_56501_11494692	NC_021163.1	Ca_kabuli_chr04	11494692	CC	TT	1940277026
SNP_P1_56502_11494991	NC_021163.1	Ca_kabuli_chr04	11494991	TT	CC	1940277028
SNP_P1_56503_11495055	NC_021163.1	Ca_kabuli_chr04	11495055	TT	CC	1940277029
SNP_P1_56506_11505406	NC_021163.1	Ca_kabuli_chr04	11505406	GG	AA	1940277031
SNP_P1_56507_11505929	NC_021163.1	Ca_kabuli_chr04	11505929	GG	AA	1940277033
SNP_P1_56508_11505957	NC_021163.1	Ca_kabuli_chr04	11505957	GG	AA	1940277034
SNP_P1_56509_11506122	NC_021163.1	Ca_kabuli_chr04	11506122	GG	AA	1940277036
SNP_P1_56510_11506169	NC_021163.1	Ca_kabuli_chr04	11506169	TT	CC	1940277038
SNP_P1_56513_11509572	NC_021163.1	Ca_kabuli_chr04	11509572	CC	AA	1940277039
SNP_P1_56515_11512976	NC_021163.1	Ca_kabuli_chr04	11512976	TT	CC	1940277041
SNP_P1_56516_11512992	NC_021163.1	Ca_kabuli_chr04	11512992	CC	TT	1940277043
SNP_P1_56517_11513613	NC_021163.1	Ca_kabuli_chr04	11513613	TT	CC	1940277044
SNP_P1_56518_11513621	NC_021163.1	Ca_kabuli_chr04	11513621	TT	AA	1940277046
SNP_P1_56519_11513623	NC_021163.1	Ca_kabuli_chr04	11513623	AA	CC	1940277047
SNP_P1_56520_11513639	NC_021163.1	Ca_kabuli_chr04	11513639	AA	CC	1940277049
SNP_P1_56521_11514012	NC_021163.1	Ca_kabuli_chr04	11514012	TT	CC	1940277051
SNP_P1_56522_11514229	NC_021163.1	Ca_kabuli_chr04	11514229	TT	AA	1940277053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56524_11514966	NC_021163.1	Ca_kabuli_chr04	11514966	GG	AA	1940277056
SNP_P1_56526_11515166	NC_021163.1	Ca_kabuli_chr04	11515166	CC	TT	1940277057
SNP_P1_56527_11515443	NC_021163.1	Ca_kabuli_chr04	11515443	GG	AA	1940277059
SNP_P1_56528_11515516	NC_021163.1	Ca_kabuli_chr04	11515516	AA	GG	1940277060
SNP_P1_56529_11515735	NC_021163.1	Ca_kabuli_chr04	11515735	CC	TT	1940277062
SNP_P1_56530_11515774	NC_021163.1	Ca_kabuli_chr04	11515774	GG	TT	1940277063
SNP_P1_56531_11515979	NC_021163.1	Ca_kabuli_chr04	11515979	CC	TT	1940277064
SNP_P1_56532_11515997	NC_021163.1	Ca_kabuli_chr04	11515997	CC	GG	1940277066
SNP_P1_56533_11516329	NC_021163.1	Ca_kabuli_chr04	11516329	AA	GG	1940277067
SNP_P1_56534_11516379	NC_021163.1	Ca_kabuli_chr04	11516379	AA	GG	1940277069
SNP_P1_56535_11517517	NC_021163.1	Ca_kabuli_chr04	11517517	CC	AA	1940277070
SNP_P1_56536_11518068	NC_021163.1	Ca_kabuli_chr04	11518068	AA	GG	1940277071
SNP_P1_56537_11519251	NC_021163.1	Ca_kabuli_chr04	11519251	CC	TT	1940277073
SNP_P1_56538_11519562	NC_021163.1	Ca_kabuli_chr04	11519562	AA	GG	1940277074
SNP_P1_56539_11520348	NC_021163.1	Ca_kabuli_chr04	11520348	TT	GG	1940277076
SNP_P1_56540_11520604	NC_021163.1	Ca_kabuli_chr04	11520604	GG	TT	1940277078
SNP_P1_56541_11520644	NC_021163.1	Ca_kabuli_chr04	11520644	AA	GG	1940277079
SNP_P1_56542_11520857	NC_021163.1	Ca_kabuli_chr04	11520857	GG	AA	1940277081
SNP_P1_56543_11524339	NC_021163.1	Ca_kabuli_chr04	11524339	TT	CC	1940277083
SNP_P1_56544_11524381	NC_021163.1	Ca_kabuli_chr04	11524381	CC	TT	1940277085
SNP_P1_56545_11527360	NC_021163.1	Ca_kabuli_chr04	11527360	AA	TT	1940277087
SNP_P1_56546_11527361	NC_021163.1	Ca_kabuli_chr04	11527361	TT	GG	1940277089
SNP_P1_56547_11527412	NC_021163.1	Ca_kabuli_chr04	11527412	TT	GG	1940277091
SNP_P1_56548_11527451	NC_021163.1	Ca_kabuli_chr04	11527451	GG	AA	1940277093
SNP_P1_56549_11527457	NC_021163.1	Ca_kabuli_chr04	11527457	CC	TT	1940277095
SNP_P1_56550_11527633	NC_021163.1	Ca_kabuli_chr04	11527633	GG	AA	1940277098
SNP_P1_56551_11527693	NC_021163.1	Ca_kabuli_chr04	11527693	AA	GG	1940277100
SNP_P1_56552_11530307	NC_021163.1	Ca_kabuli_chr04	11530307	AA	CC	1940277102
SNP_P1_56553_11533176	NC_021163.1	Ca_kabuli_chr04	11533176	AA	GG	1940277105
SNP_P1_56554_11533391	NC_021163.1	Ca_kabuli_chr04	11533391	CC	TT	1940277107
SNP_P1_56555_11533565	NC_021163.1	Ca_kabuli_chr04	11533565	CC	TT	1940277109
SNP_P1_56556_11533575	NC_021163.1	Ca_kabuli_chr04	11533575	CC	GG	1940277111
SNP_P1_56557_11533598	NC_021163.1	Ca_kabuli_chr04	11533598	TT	CC	1940277112
SNP_P1_56558_11533655	NC_021163.1	Ca_kabuli_chr04	11533655	AA	GG	1940277114
SNP_P1_56559_11533964	NC_021163.1	Ca_kabuli_chr04	11533964	GG	AA	1940277116
SNP_P1_56560_11534219	NC_021163.1	Ca_kabuli_chr04	11534219	AA	GG	1940277117
SNP_P1_56561_11535139	NC_021163.1	Ca_kabuli_chr04	11535139	CC	GG	1940277119
SNP_P1_56562_11535513	NC_021163.1	Ca_kabuli_chr04	11535513	AA	CC	1940277120
SNP_P1_56563_11535919	NC_021163.1	Ca_kabuli_chr04	11535919	GG	AA	1940277122
SNP_P1_56564_11537188	NC_021163.1	Ca_kabuli_chr04	11537188	TT	GG	1940277123
SNP_P1_56565_11537232	NC_021163.1	Ca_kabuli_chr04	11537232	GG	AA	1940277125

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56567_11539665	NC_021163.1	Ca_kabuli_chr04	11539665	GG	AA	1940277128
SNP_P1_56568_11539925	NC_021163.1	Ca_kabuli_chr04	11539925	TT	CC	1940277130
SNP_P1_56570_11540218	NC_021163.1	Ca_kabuli_chr04	11540218	CC	TT	1940277131
SNP_P1_56571_11540223	NC_021163.1	Ca_kabuli_chr04	11540223	CC	TT	1940277133
SNP_P1_56572_11540371	NC_021163.1	Ca_kabuli_chr04	11540371	CC	GG	1940277134
SNP_P1_56573_11540377	NC_021163.1	Ca_kabuli_chr04	11540377	CC	TT	1940277136
SNP_P1_56574_11540910	NC_021163.1	Ca_kabuli_chr04	11540910	TT	GG	1940277137
SNP_P1_56575_11541118	NC_021163.1	Ca_kabuli_chr04	11541118	CC	TT	1940277139
SNP_P1_56576_11541133	NC_021163.1	Ca_kabuli_chr04	11541133	CC	TT	1940277141
SNP_P1_56577_11541352	NC_021163.1	Ca_kabuli_chr04	11541352	GG	AA	1940277143
SNP_P1_56578_11541376	NC_021163.1	Ca_kabuli_chr04	11541376	GG	CC	1940277144
SNP_P1_56579_11541377	NC_021163.1	Ca_kabuli_chr04	11541377	GG	AA	1940277146
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SNP_P1_56582_11542112	NC_021163.1	Ca_kabuli_chr04	11542112	AA	GG	1940277149
SNP_P1_56583_11543093	NC_021163.1	Ca_kabuli_chr04	11543093	CC	GG	1940277151
SNP_P1_56584_11543126	NC_021163.1	Ca_kabuli_chr04	11543126	TT	AA	1940277152
SNP_P1_56585_11543393	NC_021163.1	Ca_kabuli_chr04	11543393	AA	GG	1940277154
SNP_P1_56586_11543414	NC_021163.1	Ca_kabuli_chr04	11543414	TT	AA	1940277156
SNP_P1_56587_11543928	NC_021163.1	Ca_kabuli_chr04	11543928	AA	TT	1940277157
SNP_P1_56588_11543930	NC_021163.1	Ca_kabuli_chr04	11543930	TT	GG	1940277159
SNP_P1_56589_11544023	NC_021163.1	Ca_kabuli_chr04	11544023	AA	CC	1940277160
SNP_P1_56590_11544320	NC_021163.1	Ca_kabuli_chr04	11544320	CC	TT	1940277162
SNP_P1_56591_11546903	NC_021163.1	Ca_kabuli_chr04	11546903	GG	TT	1940277163
SNP_P1_56592_11547195	NC_021163.1	Ca_kabuli_chr04	11547195	GG	AA	1940277165
SNP_P1_56593_11547200	NC_021163.1	Ca_kabuli_chr04	11547200	TT	AA	1940277166
SNP_P1_56594_11547202	NC_021163.1	Ca_kabuli_chr04	11547202	CC	AA	1940277168
SNP_P1_56596_11547502	NC_021163.1	Ca_kabuli_chr04	11547502	CC	AA	1940277169
SNP_P1_56597_11547998	NC_021163.1	Ca_kabuli_chr04	11547998	GG	AA	1940277171
SNP_P1_56598_11548696	NC_021163.1	Ca_kabuli_chr04	11548696	GG	AA	1940277173
SNP_P1_56599_11549441	NC_021163.1	Ca_kabuli_chr04	11549441	TT	AA	1940277175
SNP_P1_56601_11550598	NC_021163.1	Ca_kabuli_chr04	11550598	CC	AA	1940277176
SNP_P1_56602_11551283	NC_021163.1	Ca_kabuli_chr04	11551283	GG	CC	1940277178
SNP_P1_56604_11552271	NC_021163.1	Ca_kabuli_chr04	11552271	TT	CC	1940277180
SNP_P1_56606_11553184	NC_021163.1	Ca_kabuli_chr04	11553184	GG	AA	1940277182
SNP_P1_56608_11554747	NC_021163.1	Ca_kabuli_chr04	11554747	AA	TT	1940277184
SNP_P1_56609_11563914	NC_021163.1	Ca_kabuli_chr04	11563914	AA	GG	1940277185
SNP_P1_56610_11563929	NC_021163.1	Ca_kabuli_chr04	11563929	TT	CC	1940277187
SNP_P1_56611_11563932	NC_021163.1	Ca_kabuli_chr04	11563932	GG	AA	1940277189
SNP_P1_56612_11564027	NC_021163.1	Ca_kabuli_chr04	11564027	CC	AA	1940277190
SNP_P1_56613_11564192	NC_021163.1	Ca_kabuli_chr04	11564192	AA	CC	1940277192
SNP_P1_56614_11564198	NC_021163.1	Ca_kabuli_chr04	11564198	TT	GG	1940277194

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56616_11564380	NC_021163.1	Ca_kabuli_chr04	11564380	AA	GG	1940277198
SNP_P1_56617_11564397	NC_021163.1	Ca_kabuli_chr04	11564397	TT	CC	1940277201
SNP_P1_56618_11564411	NC_021163.1	Ca_kabuli_chr04	11564411	CC	GG	1940277203
SNP_P1_56619_11564898	NC_021163.1	Ca_kabuli_chr04	11564898	CC	AA	1940277206
SNP_P1_56620_11564904	NC_021163.1	Ca_kabuli_chr04	11564904	CC	TT	1940277210
SNP_P1_56621_11564909	NC_021163.1	Ca_kabuli_chr04	11564909	TT	GG	1940277213
SNP_P1_56622_11564915	NC_021163.1	Ca_kabuli_chr04	11564915	AA	CC	1940277215
SNP_P1_56623_11564941	NC_021163.1	Ca_kabuli_chr04	11564941	GG	TT	1940277217
SNP_P1_56624_11564944	NC_021163.1	Ca_kabuli_chr04	11564944	TT	CC	1940277220
SNP_P1_56625_11564975	NC_021163.1	Ca_kabuli_chr04	11564975	CC	GG	1940277221
SNP_P1_56626_11565036	NC_021163.1	Ca_kabuli_chr04	11565036	AA	CC	1940277223
SNP_P1_56627_11565077	NC_021163.1	Ca_kabuli_chr04	11565077	TT	CC	1940277225
SNP_P1_56628_11565099	NC_021163.1	Ca_kabuli_chr04	11565099	CC	TT	1940277227
SNP_P1_56629_11565328	NC_021163.1	Ca_kabuli_chr04	11565328	GG	AA	1940277230
SNP_P1_56630_11565338	NC_021163.1	Ca_kabuli_chr04	11565338	AA	CC	1940277232
SNP_P1_56632_11565427	NC_021163.1	Ca_kabuli_chr04	11565427	GG	AA	1940277234
SNP_P1_56633_11565609	NC_021163.1	Ca_kabuli_chr04	11565609	AA	GG	1940277235
SNP_P1_56634_11567670	NC_021163.1	Ca_kabuli_chr04	11567670	AA	GG	1940277237
SNP_P1_56636_11567874	NC_021163.1	Ca_kabuli_chr04	11567874	CC	TT	1940277238
SNP_P1_56638_11568997	NC_021163.1	Ca_kabuli_chr04	11568997	TT	AA	1940277240
SNP_P1_56639_11569220	NC_021163.1	Ca_kabuli_chr04	11569220	CC	AA	1940277241
SNP_P1_56640_11569245	NC_021163.1	Ca_kabuli_chr04	11569245	CC	TT	1940277243
SNP_P1_56641_11569250	NC_021163.1	Ca_kabuli_chr04	11569250	TT	CC	1940277244
SNP_P1_56642_11569271	NC_021163.1	Ca_kabuli_chr04	11569271	TT	GG	1940277246
SNP_P1_56643_11569395	NC_021163.1	Ca_kabuli_chr04	11569395	AA	CC	1940277247
SNP_P1_56644_11569439	NC_021163.1	Ca_kabuli_chr04	11569439	GG	TT	1940277249
SNP_P1_56645_11569459	NC_021163.1	Ca_kabuli_chr04	11569459	TT	AA	1940277250
SNP_P1_56646_11569490	NC_021163.1	Ca_kabuli_chr04	11569490	AA	TT	1940277252
SNP_P1_56647_11569528	NC_021163.1	Ca_kabuli_chr04	11569528	CC	AA	1940277253
SNP_P1_56648_11570021	NC_021163.1	Ca_kabuli_chr04	11570021	AA	CC	1940277255
SNP_P1_56650_11570049	NC_021163.1	Ca_kabuli_chr04	11570049	TT	GG	1940277256
SNP_P1_56651_11570090	NC_021163.1	Ca_kabuli_chr04	11570090	AA	GG	1940277257
SNP_P1_56653_11663665	NC_021163.1	Ca_kabuli_chr04	11663665	CC	AA	1940277259
SNP_P1_56655_11672415	NC_021163.1	Ca_kabuli_chr04	11672415	TT	AA	1940277260
SNP_P1_56656_11681843	NC_021163.1	Ca_kabuli_chr04	11681843	GG	AA	1940277262
SNP_P1_56657_11722537	NC_021163.1	Ca_kabuli_chr04	11722537	AA	TT	1940277263
SNP_P1_56658_11726321	NC_021163.1	Ca_kabuli_chr04	11726321	AA	GG	1940277265
SNP_P1_56659_11740752	NC_021163.1	Ca_kabuli_chr04	11740752	TT	AA	1940277267
SNP_P1_56661_11768882	NC_021163.1	Ca_kabuli_chr04	11768882	TT	AA	1940277269
SNP_P1_56663_11786307	NC_021163.1	Ca_kabuli_chr04	11786307	GG	CC	1940277271
SNP_P1_56664_11788317	NC_021163.1	Ca_kabuli_chr04	11788317	CC	GG	1940277274

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56666_11793409	NC_021163.1	Ca_kabuli_chr04	11793409	GG	CC	1940277279
SNP_P1_56667_11793561	NC_021163.1	Ca_kabuli_chr04	11793561	CC	TT	1940277281
SNP_P1_56668_11793596	NC_021163.1	Ca_kabuli_chr04	11793596	TT	CC	1940277283
SNP_P1_56669_11793658	NC_021163.1	Ca_kabuli_chr04	11793658	AA	GG	1940277286
SNP_P1_56670_11793790	NC_021163.1	Ca_kabuli_chr04	11793790	AA	CC	1940277288
SNP_P1_56671_11799645	NC_021163.1	Ca_kabuli_chr04	11799645	TT	AA	1940277290
SNP_P1_56673_11812023	NC_021163.1	Ca_kabuli_chr04	11812023	TT	CC	1940277292
SNP_P1_56674_11812265	NC_021163.1	Ca_kabuli_chr04	11812265	GG	CC	1940277294
SNP_P1_56676_11841804	NC_021163.1	Ca_kabuli_chr04	11841804	TT	CC	1940277296
SNP_P1_56677_11843914	NC_021163.1	Ca_kabuli_chr04	11843914	TT	CC	1940277298
SNP_P1_56678_11847494	NC_021163.1	Ca_kabuli_chr04	11847494	CC	TT	1940277300
SNP_P1_56679_11863174	NC_021163.1	Ca_kabuli_chr04	11863174	GG	TT	1940277302
SNP_P1_56681_11873165	NC_021163.1	Ca_kabuli_chr04	11873165	CC	TT	1940277303
SNP_P1_56682_11874718	NC_021163.1	Ca_kabuli_chr04	11874718	CC	GG	1940277305
SNP_P1_56683_11898791	NC_021163.1	Ca_kabuli_chr04	11898791	AA	GG	1940277307
SNP_P1_56684_11903433	NC_021163.1	Ca_kabuli_chr04	11903433	AA	TT	1940277308
SNP_P1_56685_11907374	NC_021163.1	Ca_kabuli_chr04	11907374	TT	CC	1940277310
SNP_P1_56686_11912180	NC_021163.1	Ca_kabuli_chr04	11912180	CC	TT	1940277312
SNP_P1_56687_11926380	NC_021163.1	Ca_kabuli_chr04	11926380	TT	AA	1940277313
SNP_P1_56688_11927533	NC_021163.1	Ca_kabuli_chr04	11927533	AA	GG	1940277315
SNP_P1_56690_11934002	NC_021163.1	Ca_kabuli_chr04	11934002	AA	TT	1940277317
SNP_P1_56691_11974769	NC_021163.1	Ca_kabuli_chr04	11974769	TT	AA	1940277318
SNP_P1_56692_11975485	NC_021163.1	Ca_kabuli_chr04	11975485	GG	TT	1940277320
SNP_P1_56694_11993401	NC_021163.1	Ca_kabuli_chr04	11993401	GG	AA	1940277321
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SNP_P1_56699_12021935	NC_021163.1	Ca_kabuli_chr04	12021935	TT	GG	1940277327
SNP_P1_56700_12021950	NC_021163.1	Ca_kabuli_chr04	12021950	AA	GG	1940277329
SNP_P1_56702_12033694	NC_021163.1	Ca_kabuli_chr04	12033694	TT	GG	1940277330
SNP_P1_56703_12039513	NC_021163.1	Ca_kabuli_chr04	12039513	GG	CC	1940277332
SNP_P1_56704_12039582	NC_021163.1	Ca_kabuli_chr04	12039582	AA	CC	1940277333
SNP_P1_56705_12039588	NC_021163.1	Ca_kabuli_chr04	12039588	TT	GG	1940277335
SNP_P1_56706_12039595	NC_021163.1	Ca_kabuli_chr04	12039595	GG	CC	1940277336
SNP_P1_56708_12075322	NC_021163.1	Ca_kabuli_chr04	12075322	GG	AA	1940277338
SNP_P1_56709_12077991	NC_021163.1	Ca_kabuli_chr04	12077991	AA	CC	1940277339
SNP_P1_56710_12077994	NC_021163.1	Ca_kabuli_chr04	12077994	TT	GG	1940277341
SNP_P1_56712_12083786	NC_021163.1	Ca_kabuli_chr04	12083786	AA	GG	1940277343
SNP_P1_56713_12092336	NC_021163.1	Ca_kabuli_chr04	12092336	AA	GG	1940277344
SNP_P1_56715_12106425	NC_021163.1	Ca_kabuli_chr04	12106425	GG	AA	1940277346
SNP_P1_56716_12119473	NC_021163.1	Ca_kabuli_chr04	12119473	AA	TT	1940277347

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56718_12141089	NC_021163.1	Ca_kabuli_chr04	12141089	GG	AA	1940277350
SNP_P1_56719_12145745	NC_021163.1	Ca_kabuli_chr04	12145745	GG	AA	1940277352
SNP_P1_56720_12157285	NC_021163.1	Ca_kabuli_chr04	12157285	GG	AA	1940277354
SNP_P1_56721_12168947	NC_021163.1	Ca_kabuli_chr04	12168947	AA	GG	1940277356
SNP_P1_56722_12178876	NC_021163.1	Ca_kabuli_chr04	12178876	TT	AA	1940277357
SNP_P1_56723_12193677	NC_021163.1	Ca_kabuli_chr04	12193677	TT	AA	1940277359
SNP_P1_56724_12207456	NC_021163.1	Ca_kabuli_chr04	12207456	AA	TT	1940277361
SNP_P1_56725_12225931	NC_021163.1	Ca_kabuli_chr04	12225931	AA	GG	1940277363
SNP_P1_56726_12227425	NC_021163.1	Ca_kabuli_chr04	12227425	CC	AA	1940277365
SNP_P1_56727_12227457	NC_021163.1	Ca_kabuli_chr04	12227457	AA	GG	1940277368
SNP_P1_56728_12227513	NC_021163.1	Ca_kabuli_chr04	12227513	CC	AA	1940277370
SNP_P1_56729_12227560	NC_021163.1	Ca_kabuli_chr04	12227560	GG	AA	1940277373
SNP_P1_56730_12253718	NC_021163.1	Ca_kabuli_chr04	12253718	TT	GG	1940277375
SNP_P1_56731_12261497	NC_021163.1	Ca_kabuli_chr04	12261497	AA	GG	1940277377
SNP_P1_56732_12270085	NC_021163.1	Ca_kabuli_chr04	12270085	CC	TT	1940277379
SNP_P1_56733_12292021	NC_021163.1	Ca_kabuli_chr04	12292021	TT	CC	1940277380
SNP_P1_56735_12325765	NC_021163.1	Ca_kabuli_chr04	12325765	TT	CC	1940277382
SNP_P1_56736_12333486	NC_021163.1	Ca_kabuli_chr04	12333486	CC	TT	1940277384
SNP_P1_56737_12333494	NC_021163.1	Ca_kabuli_chr04	12333494	GG	AA	1940277385
SNP_P1_56738_12333495	NC_021163.1	Ca_kabuli_chr04	12333495	GG	CC	1940277387
SNP_P1_56740_12338538	NC_021163.1	Ca_kabuli_chr04	12338538	GG	TT	1940277388
SNP_P1_56741_12338543	NC_021163.1	Ca_kabuli_chr04	12338543	CC	GG	1940277390
SNP_P1_56742_12338562	NC_021163.1	Ca_kabuli_chr04	12338562	AA	CC	1940277392
SNP_P1_56743_12338916	NC_021163.1	Ca_kabuli_chr04	12338916	AA	GG	1940277393
SNP_P1_56744_12338994	NC_021163.1	Ca_kabuli_chr04	12338994	AA	TT	1940277395
SNP_P1_56745_12339004	NC_021163.1	Ca_kabuli_chr04	12339004	GG	AA	1940277396
SNP_P1_56746_12339006	NC_021163.1	Ca_kabuli_chr04	12339006	CC	TT	1940277398
SNP_P1_56747_12339009	NC_021163.1	Ca_kabuli_chr04	12339009	GG	AA	1940277400
SNP_P1_56748_12339153	NC_021163.1	Ca_kabuli_chr04	12339153	TT	CC	1940277401
SNP_P1_56749_12339165	NC_021163.1	Ca_kabuli_chr04	12339165	CC	TT	1940277402
SNP_P1_56750_12339175	NC_021163.1	Ca_kabuli_chr04	12339175	AA	GG	1940277404
SNP_P1_56751_12339185	NC_021163.1	Ca_kabuli_chr04	12339185	GG	AA	1940277405
SNP_P1_56752_12339296	NC_021163.1	Ca_kabuli_chr04	12339296	GG	AA	1940277406
SNP_P1_56753_12339297	NC_021163.1	Ca_kabuli_chr04	12339297	GG	AA	1940277408
SNP_P1_56754_12339312	NC_021163.1	Ca_kabuli_chr04	12339312	CC	TT	1940277409
SNP_P1_56755_12339322	NC_021163.1	Ca_kabuli_chr04	12339322	AA	TT	1940277410
SNP_P1_56756_12339334	NC_021163.1	Ca_kabuli_chr04	12339334	GG	AA	1940277412
SNP_P1_56757_12339362	NC_021163.1	Ca_kabuli_chr04	12339362	AA	GG	1940277413
SNP_P1_56758_12343848	NC_021163.1	Ca_kabuli_chr04	12343848	TT	GG	1940277414
SNP_P1_56760_12363384	NC_021163.1	Ca_kabuli_chr04	12363384	TT	GG	1940277416
SNP_P1_56761_12371092	NC_021163.1	Ca_kabuli_chr04	12371092	CC	TT	1940277417

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56763_12381928	NC_021163.1	Ca_kabuli_chr04	12381928	TT	CC	1940277419
SNP_P1_56764_12387057	NC_021163.1	Ca_kabuli_chr04	12387057	TT	CC	1940277421
SNP_P1_56765_12389237	NC_021163.1	Ca_kabuli_chr04	12389237	CC	AA	1940277422
SNP_P1_56766_12389891	NC_021163.1	Ca_kabuli_chr04	12389891	AA	GG	1940277424
SNP_P1_56767_12391095	NC_021163.1	Ca_kabuli_chr04	12391095	GG	TT	1940277425
SNP_P1_56768_12392581	NC_021163.1	Ca_kabuli_chr04	12392581	GG	AA	1940277426
SNP_P1_56769_12439564	NC_021163.1	Ca_kabuli_chr04	12439564	GG	AA	1940277428
SNP_P1_56770_12443820	NC_021163.1	Ca_kabuli_chr04	12443820	AA	CC	1940277429
SNP_P1_56771_12452479	NC_021163.1	Ca_kabuli_chr04	12452479	GG	AA	1940277430
SNP_P1_56772_12452506	NC_021163.1	Ca_kabuli_chr04	12452506	CC	AA	1940277432
SNP_P1_56773_12452527	NC_021163.1	Ca_kabuli_chr04	12452527	AA	TT	1940277433
SNP_P1_56774_12454662	NC_021163.1	Ca_kabuli_chr04	12454662	CC	TT	1940277434
SNP_P1_56775_12454667	NC_021163.1	Ca_kabuli_chr04	12454667	CC	TT	1940277435
SNP_P1_56776_12461415	NC_021163.1	Ca_kabuli_chr04	12461415	TT	GG	1940277437
SNP_P1_56777_12461546	NC_021163.1	Ca_kabuli_chr04	12461546	CC	TT	1940277438
SNP_P1_56778_12463612	NC_021163.1	Ca_kabuli_chr04	12463612	AA	GG	1940277439
SNP_P1_56779_12463938	NC_021163.1	Ca_kabuli_chr04	12463938	GG	TT	1940277440
SNP_P1_56780_12464728	NC_021163.1	Ca_kabuli_chr04	12464728	CC	TT	1940277442
SNP_P1_56782_12471270	NC_021163.1	Ca_kabuli_chr04	12471270	TT	CC	1940277443
SNP_P1_56783_12472392	NC_021163.1	Ca_kabuli_chr04	12472392	GG	TT	1940277444
SNP_P1_56785_12472751	NC_021163.1	Ca_kabuli_chr04	12472751	TT	CC	1940277446
SNP_P1_56786_12472994	NC_021163.1	Ca_kabuli_chr04	12472994	TT	CC	1940277447
SNP_P1_56787_12473297	NC_021163.1	Ca_kabuli_chr04	12473297	AA	CC	1940277448
SNP_P1_56788_12473378	NC_021163.1	Ca_kabuli_chr04	12473378	CC	GG	1940277449
SNP_P1_56789_12478463	NC_021163.1	Ca_kabuli_chr04	12478463	AA	TT	1940277451
SNP_P1_56790_12479441	NC_021163.1	Ca_kabuli_chr04	12479441	TT	CC	1940277452
SNP_P1_56791_12479616	NC_021163.1	Ca_kabuli_chr04	12479616	GG	AA	1940277453
SNP_P1_56793_12479772	NC_021163.1	Ca_kabuli_chr04	12479772	TT	CC	1940277455
SNP_P1_56794_12480139	NC_021163.1	Ca_kabuli_chr04	12480139	AA	TT	1940277457
SNP_P1_56795_12480152	NC_021163.1	Ca_kabuli_chr04	12480152	CC	TT	1940277458
SNP_P1_56796_12480177	NC_021163.1	Ca_kabuli_chr04	12480177	CC	TT	1940277460
SNP_P1_56797_12481076	NC_021163.1	Ca_kabuli_chr04	12481076	AA	GG	1940277462
SNP_P1_56798_12481088	NC_021163.1	Ca_kabuli_chr04	12481088	TT	GG	1940277464
SNP_P1_56799_12481099	NC_021163.1	Ca_kabuli_chr04	12481099	AA	GG	1940277466
SNP_P1_56800_12482453	NC_021163.1	Ca_kabuli_chr04	12482453	GG	AA	1940277467
SNP_P1_56801_12482494	NC_021163.1	Ca_kabuli_chr04	12482494	GG	AA	1940277469
SNP_P1_56802_12483907	NC_021163.1	Ca_kabuli_chr04	12483907	AA	TT	1940277471
SNP_P1_56803_12483934	NC_021163.1	Ca_kabuli_chr04	12483934	GG	AA	1940277473
SNP_P1_56804_12484090	NC_021163.1	Ca_kabuli_chr04	12484090	TT	CC	1940277475
SNP_P1_56805_12484383	NC_021163.1	Ca_kabuli_chr04	12484383	TT	CC	1940277476
SNP_P1_56806_12485094	NC_021163.1	Ca_kabuli_chr04	12485094	GG	TT	1940277478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56810_12485577	NC_021163.1	Ca_kabuli_chr04	12485577	CC	AA	1940277486
SNP_P1_56811_12485612	NC_021163.1	Ca_kabuli_chr04	12485612	TT	AA	1940277488
SNP_P1_56812_12485615	NC_021163.1	Ca_kabuli_chr04	12485615	TT	CC	1940277490
SNP_P1_56813_12485628	NC_021163.1	Ca_kabuli_chr04	12485628	CC	AA	1940277492
SNP_P1_56814_12487482	NC_021163.1	Ca_kabuli_chr04	12487482	CC	GG	1940277493
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SNP_P1_56816_12489765	NC_021163.1	Ca_kabuli_chr04	12489765	AA	GG	1940277497
SNP_P1_56817_12489785	NC_021163.1	Ca_kabuli_chr04	12489785	AA	TT	1940277499
SNP_P1_56819_12489951	NC_021163.1	Ca_kabuli_chr04	12489951	AA	TT	1940277502
SNP_P1_56820_12490280	NC_021163.1	Ca_kabuli_chr04	12490280	AA	GG	1940277504
SNP_P1_56822_12492569	NC_021163.1	Ca_kabuli_chr04	12492569	GG	AA	1940277507
SNP_P1_56823_12493314	NC_021163.1	Ca_kabuli_chr04	12493314	TT	CC	1940277510
SNP_P1_56824_12493338	NC_021163.1	Ca_kabuli_chr04	12493338	TT	CC	1940277512
SNP_P1_56826_12493665	NC_021163.1	Ca_kabuli_chr04	12493665	AA	GG	1940277514
SNP_P1_56827_12493668	NC_021163.1	Ca_kabuli_chr04	12493668	CC	TT	1940277515
SNP_P1_56830_12493956	NC_021163.1	Ca_kabuli_chr04	12493956	GG	CC	1940277517
SNP_P1_56831_12497631	NC_021163.1	Ca_kabuli_chr04	12497631	CC	GG	1940277519
SNP_P1_56832_12497635	NC_021163.1	Ca_kabuli_chr04	12497635	TT	GG	1940277521
SNP_P1_56833_12498559	NC_021163.1	Ca_kabuli_chr04	12498559	CC	TT	1940277522
SNP_P1_56834_12498589	NC_021163.1	Ca_kabuli_chr04	12498589	AA	TT	1940277524
SNP_P1_56836_12498792	NC_021163.1	Ca_kabuli_chr04	12498792	AA	TT	1940277526
SNP_P1_56837_12498793	NC_021163.1	Ca_kabuli_chr04	12498793	CC	TT	1940277528
SNP_P1_56838_12498813	NC_021163.1	Ca_kabuli_chr04	12498813	AA	TT	1940277530
SNP_P1_56839_12503632	NC_021163.1	Ca_kabuli_chr04	12503632	GG	AA	1940277532
SNP_P1_56840_12503649	NC_021163.1	Ca_kabuli_chr04	12503649	GG	TT	1940277534
SNP_P1_56843_12505377	NC_021163.1	Ca_kabuli_chr04	12505377	TT	GG	1940277536
SNP_P1_56844_12505386	NC_021163.1	Ca_kabuli_chr04	12505386	AA	GG	1940277538
SNP_P1_56846_12505537	NC_021163.1	Ca_kabuli_chr04	12505537	CC	TT	1940277540
SNP_P1_56848_12505991	NC_021163.1	Ca_kabuli_chr04	12505991	AA	CC	1940277541
SNP_P1_56850_12506450	NC_021163.1	Ca_kabuli_chr04	12506450	AA	TT	1940277543
SNP_P1_56851_12507815	NC_021163.1	Ca_kabuli_chr04	12507815	CC	TT	1940277545
SNP_P1_56853_12508123	NC_021163.1	Ca_kabuli_chr04	12508123	CC	AA	1940277547
SNP_P1_56854_12508920	NC_021163.1	Ca_kabuli_chr04	12508920	AA	GG	1940277548
SNP_P1_56856_12508952	NC_021163.1	Ca_kabuli_chr04	12508952	GG	AA	1940277550
SNP_P1_56857_12509192	NC_021163.1	Ca_kabuli_chr04	12509192	TT	CC	1940277553
SNP_P1_56858_12509318	NC_021163.1	Ca_kabuli_chr04	12509318	GG	TT	1940277555
SNP_P1_56859_12509321	NC_021163.1	Ca_kabuli_chr04	12509321	AA	CC	1940277557
SNP_P1_56860_12509333	NC_021163.1	Ca_kabuli_chr04	12509333	GG	AA	1940277559
SNP_P1_56862_12510116	NC_021163.1	Ca_kabuli_chr04	12510116	AA	GG	1940277560

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56864_12510347	NC_021163.1	Ca_kabuli_chr04	12510347	CC	TT	1940277564
SNP_P1_56865_12510348	NC_021163.1	Ca_kabuli_chr04	12510348	CC	TT	1940277566
SNP_P1_56866_12510397	NC_021163.1	Ca_kabuli_chr04	12510397	AA	GG	1940277567
SNP_P1_56867_12510417	NC_021163.1	Ca_kabuli_chr04	12510417	CC	TT	1940277569
SNP_P1_56868_12510423	NC_021163.1	Ca_kabuli_chr04	12510423	AA	TT	1940277571
SNP_P1_56869_12510425	NC_021163.1	Ca_kabuli_chr04	12510425	CC	TT	1940277573
SNP_P1_56870_12510465	NC_021163.1	Ca_kabuli_chr04	12510465	GG	AA	1940277575
SNP_P1_56871_12512706	NC_021163.1	Ca_kabuli_chr04	12512706	TT	CC	1940277577
SNP_P1_56872_12517423	NC_021163.1	Ca_kabuli_chr04	12517423	GG	AA	1940277579
SNP_P1_56873_12517571	NC_021163.1	Ca_kabuli_chr04	12517571	AA	GG	1940277581
SNP_P1_56874_12517759	NC_021163.1	Ca_kabuli_chr04	12517759	AA	GG	1940277582
SNP_P1_56876_12519108	NC_021163.1	Ca_kabuli_chr04	12519108	CC	TT	1940277584
SNP_P1_56877_12519540	NC_021163.1	Ca_kabuli_chr04	12519540	GG	AA	1940277586
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SNP_P1_56893_12523238	NC_021163.1	Ca_kabuli_chr04	12523238	CC	TT	1940277607
SNP_P1_56894_12523242	NC_021163.1	Ca_kabuli_chr04	12523242	GG	TT	1940277608
SNP_P1_56895_12523321	NC_021163.1	Ca_kabuli_chr04	12523321	TT	CC	1940277609
SNP_P1_56896_12523934	NC_021163.1	Ca_kabuli_chr04	12523934	GG	TT	1940277610
SNP_P1_56897_12524770	NC_021163.1	Ca_kabuli_chr04	12524770	CC	TT	1940277611
SNP_P1_56898_12524798	NC_021163.1	Ca_kabuli_chr04	12524798	GG	AA	1940277613
SNP_P1_56899_12524818	NC_021163.1	Ca_kabuli_chr04	12524818	GG	AA	1940277614
SNP_P1_56900_12525074	NC_021163.1	Ca_kabuli_chr04	12525074	AA	CC	1940277615
SNP_P1_56901_12525209	NC_021163.1	Ca_kabuli_chr04	12525209	AA	GG	1940277617
SNP_P1_56902_12525379	NC_021163.1	Ca_kabuli_chr04	12525379	AA	CC	1940277618
SNP_P1_56903_12525394	NC_021163.1	Ca_kabuli_chr04	12525394	TT	CC	1940277619
SNP_P1_56904_12525639	NC_021163.1	Ca_kabuli_chr04	12525639	AA	TT	1940277621
SNP_P1_56905_12525693	NC_021163.1	Ca_kabuli_chr04	12525693	TT	AA	1940277622
SNP_P1_56910_12527056	NC_021163.1	Ca_kabuli_chr04	12527056	AA	GG	1940277623

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56913_12527902	NC_021163.1	Ca_kabuli_chr04	12527902	TT	GG	1940277627
SNP_P1_56914_12528154	NC_021163.1	Ca_kabuli_chr04	12528154	GG	AA	1940277628
SNP_P1_56915_12528208	NC_021163.1	Ca_kabuli_chr04	12528208	AA	GG	1940277630
SNP_P1_56917_12528782	NC_021163.1	Ca_kabuli_chr04	12528782	AA	CC	1940277631
SNP_P1_56918_12528899	NC_021163.1	Ca_kabuli_chr04	12528899	CC	TT	1940277632
SNP_P1_56920_12528940	NC_021163.1	Ca_kabuli_chr04	12528940	TT	CC	1940277634
SNP_P1_56921_12529336	NC_021163.1	Ca_kabuli_chr04	12529336	TT	CC	1940277635
SNP_P1_56922_12529359	NC_021163.1	Ca_kabuli_chr04	12529359	AA	TT	1940277636
SNP_P1_56923_12529371	NC_021163.1	Ca_kabuli_chr04	12529371	TT	CC	1940277638
SNP_P1_56925_12529642	NC_021163.1	Ca_kabuli_chr04	12529642	AA	TT	1940277639
SNP_P1_56926_12529666	NC_021163.1	Ca_kabuli_chr04	12529666	GG	TT	1940277640
SNP_P1_56930_12530287	NC_021163.1	Ca_kabuli_chr04	12530287	TT	CC	1940277641
SNP_P1_56931_12531002	NC_021163.1	Ca_kabuli_chr04	12531002	GG	AA	1940277642
SNP_P1_56933_12531983	NC_021163.1	Ca_kabuli_chr04	12531983	TT	CC	1940277644
SNP_P1_56934_12532218	NC_021163.1	Ca_kabuli_chr04	12532218	TT	AA	1940277645
SNP_P1_56936_12535029	NC_021163.1	Ca_kabuli_chr04	12535029	GG	TT	1940277646
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SNP_P1_56939_12537550	NC_021163.1	Ca_kabuli_chr04	12537550	AA	GG	1940277648
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SNP_P1_56941_12539446	NC_021163.1	Ca_kabuli_chr04	12539446	AA	CC	1940277651
SNP_P1_56942_12539447	NC_021163.1	Ca_kabuli_chr04	12539447	GG	AA	1940277652
SNP_P1_56943_12539512	NC_021163.1	Ca_kabuli_chr04	12539512	TT	CC	1940277653
SNP_P1_56944_12539668	NC_021163.1	Ca_kabuli_chr04	12539668	AA	GG	1940277654
SNP_P1_56945_12539691	NC_021163.1	Ca_kabuli_chr04	12539691	TT	AA	1940277655
SNP_P1_56946_12539728	NC_021163.1	Ca_kabuli_chr04	12539728	AA	GG	1940277656
SNP_P1_56947_12540469	NC_021163.1	Ca_kabuli_chr04	12540469	CC	TT	1940277658
SNP_P1_56948_12540472	NC_021163.1	Ca_kabuli_chr04	12540472	GG	CC	1940277659
SNP_P1_56949_12540519	NC_021163.1	Ca_kabuli_chr04	12540519	AA	TT	1940277660
SNP_P1_56950_12540638	NC_021163.1	Ca_kabuli_chr04	12540638	TT	CC	1940277661
SNP_P1_56951_12541007	NC_021163.1	Ca_kabuli_chr04	12541007	CC	TT	1940277662
SNP_P1_56952_12541062	NC_021163.1	Ca_kabuli_chr04	12541062	CC	TT	1940277663
SNP_P1_56953_12541993	NC_021163.1	Ca_kabuli_chr04	12541993	GG	TT	1940277665
SNP_P1_56954_12542048	NC_021163.1	Ca_kabuli_chr04	12542048	GG	AA	1940277666
SNP_P1_56955_12542320	NC_021163.1	Ca_kabuli_chr04	12542320	CC	AA	1940277667
SNP_P1_56956_12542458	NC_021163.1	Ca_kabuli_chr04	12542458	CC	TT	1940277668
SNP_P1_56957_12542477	NC_021163.1	Ca_kabuli_chr04	12542477	AA	CC	1940277669
SNP_P1_56958_12542529	NC_021163.1	Ca_kabuli_chr04	12542529	TT	CC	1940277671
SNP_P1_56961_12544475	NC_021163.1	Ca_kabuli_chr04	12544475	GG	TT	1940277672
SNP_P1_56963_12546002	NC_021163.1	Ca_kabuli_chr04	12546002	GG	AA	1940277673
SNP_P1_56965_12546037	NC_021163.1	Ca_kabuli_chr04	12546037	AA	TT	1940277675

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_56967_12546149	NC_021163.1	Ca_kabuli_chr04	12546149	AA	GG	1940277678
SNP_P1_56968_12546268	NC_021163.1	Ca_kabuli_chr04	12546268	TT	CC	1940277680
SNP_P1_56969_12546290	NC_021163.1	Ca_kabuli_chr04	12546290	TT	AA	1940277681
SNP_P1_56970_12546353	NC_021163.1	Ca_kabuli_chr04	12546353	AA	CC	1940277683
SNP_P1_56971_12547451	NC_021163.1	Ca_kabuli_chr04	12547451	AA	GG	1940277684
SNP_P1_56972_12547748	NC_021163.1	Ca_kabuli_chr04	12547748	AA	GG	1940277686
SNP_P1_56973_12547758	NC_021163.1	Ca_kabuli_chr04	12547758	TT	CC	1940277687
SNP_P1_56974_12548510	NC_021163.1	Ca_kabuli_chr04	12548510	TT	AA	1940277689
SNP_P1_56975_12548758	NC_021163.1	Ca_kabuli_chr04	12548758	GG	CC	1940277690
SNP_P1_56976_12548761	NC_021163.1	Ca_kabuli_chr04	12548761	CC	TT	1940277692
SNP_P1_56977_12548793	NC_021163.1	Ca_kabuli_chr04	12548793	AA	TT	1940277693
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SNP_P1_56980_12550714	NC_021163.1	Ca_kabuli_chr04	12550714	GG	CC	1940277696
SNP_P1_56981_12550882	NC_021163.1	Ca_kabuli_chr04	12550882	AA	CC	1940277698
SNP_P1_56982_12550942	NC_021163.1	Ca_kabuli_chr04	12550942	CC	TT	1940277699
SNP_P1_56983_12551202	NC_021163.1	Ca_kabuli_chr04	12551202	GG	AA	1940277700
SNP_P1_56984_12551551	NC_021163.1	Ca_kabuli_chr04	12551551	CC	TT	1940277701
SNP_P1_56985_12551554	NC_021163.1	Ca_kabuli_chr04	12551554	GG	TT	1940277703
SNP_P1_56986_12551808	NC_021163.1	Ca_kabuli_chr04	12551808	AA	GG	1940277704
SNP_P1_56987_12551997	NC_021163.1	Ca_kabuli_chr04	12551997	TT	CC	1940277705
SNP_P1_56988_12552038	NC_021163.1	Ca_kabuli_chr04	12552038	CC	AA	1940277707
SNP_P1_56989_12552041	NC_021163.1	Ca_kabuli_chr04	12552041	AA	GG	1940277708
SNP_P1_56990_12553504	NC_021163.1	Ca_kabuli_chr04	12553504	GG	AA	1940277710
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SNP_P1_56996_12555232	NC_021163.1	Ca_kabuli_chr04	12555232	CC	GG	1940277715
SNP_P1_56997_12556605	NC_021163.1	Ca_kabuli_chr04	12556605	TT	CC	1940277717
SNP_P1_56998_12558481	NC_021163.1	Ca_kabuli_chr04	12558481	CC	TT	1940277719
SNP_P1_56999_12558507	NC_021163.1	Ca_kabuli_chr04	12558507	GG	TT	1940277721
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SNP_P1_57002_12558798	NC_021163.1	Ca_kabuli_chr04	12558798	TT	GG	1940277727
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SNP_P1_57006_12559572	NC_021163.1	Ca_kabuli_chr04	12559572	CC	TT	1940277739
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SNP_P1_57009_12559812	NC_021163.1	Ca_kabuli_chr04	12559812	GG	TT	1940277746
SNP_P1_57010_12559816	NC_021163.1	Ca_kabuli_chr04	12559816	TT	CC	1940277749
SNP_P1_57012_12560336	NC_021163.1	Ca_kabuli_chr04	12560336	AA	GG	1940277752
SNP_P1_57013_12562098	NC_021163.1	Ca_kabuli_chr04	12562098	GG	TT	1940277754

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57016_12562134	NC_021163.1	Ca_kabuli_chr04	12562134	TT	CC	1940277762
SNP_P1_57017_12562178	NC_021163.1	Ca_kabuli_chr04	12562178	TT	AA	1940277765
SNP_P1_57018_12562182	NC_021163.1	Ca_kabuli_chr04	12562182	GG	TT	1940277768
SNP_P1_57019_12562183	NC_021163.1	Ca_kabuli_chr04	12562183	AA	TT	1940277772
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SNP_P1_57023_12563188	NC_021163.1	Ca_kabuli_chr04	12563188	GG	TT	1940277784
SNP_P1_57024_12563196	NC_021163.1	Ca_kabuli_chr04	12563196	GG	AA	1940277786
SNP_P1_57025_12563216	NC_021163.1	Ca_kabuli_chr04	12563216	TT	GG	1940277789
SNP_P1_57026_12563442	NC_021163.1	Ca_kabuli_chr04	12563442	GG	AA	1940277792
SNP_P1_57027_12564908	NC_021163.1	Ca_kabuli_chr04	12564908	TT	CC	1940277795
SNP_P1_57028_12564924	NC_021163.1	Ca_kabuli_chr04	12564924	TT	CC	1940277797
SNP_P1_57029_12564929	NC_021163.1	Ca_kabuli_chr04	12564929	GG	AA	1940277801
SNP_P1_57030_12564934	NC_021163.1	Ca_kabuli_chr04	12564934	CC	TT	1940277804
SNP_P1_57031_12565521	NC_021163.1	Ca_kabuli_chr04	12565521	CC	AA	1940277807
SNP_P1_57034_12565947	NC_021163.1	Ca_kabuli_chr04	12565947	CC	GG	1940277809
SNP_P1_57035_12566192	NC_021163.1	Ca_kabuli_chr04	12566192	TT	CC	1940277812
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SNP_P1_57037_12566196	NC_021163.1	Ca_kabuli_chr04	12566196	TT	CC	1940277817
SNP_P1_57038_12566413	NC_021163.1	Ca_kabuli_chr04	12566413	CC	TT	1940277820
SNP_P1_57040_12566596	NC_021163.1	Ca_kabuli_chr04	12566596	AA	GG	1940277822
SNP_P1_57042_12566685	NC_021163.1	Ca_kabuli_chr04	12566685	AA	TT	1940277824
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SNP_P1_57048_12566999	NC_021163.1	Ca_kabuli_chr04	12566999	CC	TT	1940277836
SNP_P1_57049_12567006	NC_021163.1	Ca_kabuli_chr04	12567006	GG	AA	1940277838
SNP_P1_57050_12567008	NC_021163.1	Ca_kabuli_chr04	12567008	TT	CC	1940277839
SNP_P1_57051_12567018	NC_021163.1	Ca_kabuli_chr04	12567018	GG	AA	1940277841
SNP_P1_57052_12567470	NC_021163.1	Ca_kabuli_chr04	12567470	CC	TT	1940277843
SNP_P1_57053_12567475	NC_021163.1	Ca_kabuli_chr04	12567475	GG	TT	1940277845
SNP_P1_57054_12567909	NC_021163.1	Ca_kabuli_chr04	12567909	GG	AA	1940277847
SNP_P1_57055_12567915	NC_021163.1	Ca_kabuli_chr04	12567915	CC	TT	1940277849
SNP_P1_57057_12568476	NC_021163.1	Ca_kabuli_chr04	12568476	CC	TT	1940277851
SNP_P1_57058_12569220	NC_021163.1	Ca_kabuli_chr04	12569220	CC	TT	1940277853
SNP_P1_57060_12569708	NC_021163.1	Ca_kabuli_chr04	12569708	GG	CC	1940277854
SNP_P1_57062_12571151	NC_021163.1	Ca_kabuli_chr04	12571151	CC	TT	1940277856

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57064_12571366	NC_021163.1	Ca_kabuli_chr04	12571366	GG	AA	1940277858
SNP_P1_57065_12571754	NC_021163.1	Ca_kabuli_chr04	12571754	AA	GG	1940277860
SNP_P1_57066_12571866	NC_021163.1	Ca_kabuli_chr04	12571866	TT	AA	1940277861
SNP_P1_57068_12572114	NC_021163.1	Ca_kabuli_chr04	12572114	AA	GG	1940277862
SNP_P1_57069_12572117	NC_021163.1	Ca_kabuli_chr04	12572117	AA	TT	1940277864
SNP_P1_57070_12572153	NC_021163.1	Ca_kabuli_chr04	12572153	AA	GG	1940277865
SNP_P1_57071_12572240	NC_021163.1	Ca_kabuli_chr04	12572240	CC	TT	1940277866
SNP_P1_57072_12572423	NC_021163.1	Ca_kabuli_chr04	12572423	TT	AA	1940277868
SNP_P1_57074_12573142	NC_021163.1	Ca_kabuli_chr04	12573142	TT	CC	1940277869
SNP_P1_57075_12573172	NC_021163.1	Ca_kabuli_chr04	12573172	CC	TT	1940277870
SNP_P1_57076_12573804	NC_021163.1	Ca_kabuli_chr04	12573804	AA	TT	1940277872
SNP_P1_57077_12575257	NC_021163.1	Ca_kabuli_chr04	12575257	AA	GG	1940277873
SNP_P1_57078_12575278	NC_021163.1	Ca_kabuli_chr04	12575278	GG	AA	1940277874
SNP_P1_57079_12575758	NC_021163.1	Ca_kabuli_chr04	12575758	CC	TT	1940277876
SNP_P1_57080_12575922	NC_021163.1	Ca_kabuli_chr04	12575922	CC	TT	1940277877
SNP_P1_57081_12576094	NC_021163.1	Ca_kabuli_chr04	12576094	CC	TT	1940277879
SNP_P1_57082_12576388	NC_021163.1	Ca_kabuli_chr04	12576388	TT	GG	1940277880
SNP_P1_57083_12576429	NC_021163.1	Ca_kabuli_chr04	12576429	GG	TT	1940277881
SNP_P1_57084_12576471	NC_021163.1	Ca_kabuli_chr04	12576471	GG	TT	1940277883
SNP_P1_57085_12576520	NC_021163.1	Ca_kabuli_chr04	12576520	TT	CC	1940277884
SNP_P1_57086_12576696	NC_021163.1	Ca_kabuli_chr04	12576696	AA	CC	1940277886
SNP_P1_57087_12576712	NC_021163.1	Ca_kabuli_chr04	12576712	AA	TT	1940277887
SNP_P1_57088_12576746	NC_021163.1	Ca_kabuli_chr04	12576746	CC	GG	1940277888
SNP_P1_57089_12577800	NC_021163.1	Ca_kabuli_chr04	12577800	TT	AA	1940277890
SNP_P1_57091_12578089	NC_021163.1	Ca_kabuli_chr04	12578089	TT	AA	1940277891
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SNP_P1_57094_12578369	NC_021163.1	Ca_kabuli_chr04	12578369	AA	CC	1940277894
SNP_P1_57095_12578378	NC_021163.1	Ca_kabuli_chr04	12578378	AA	TT	1940277896
SNP_P1_57096_12578408	NC_021163.1	Ca_kabuli_chr04	12578408	CC	AA	1940277897
SNP_P1_57097_12579521	NC_021163.1	Ca_kabuli_chr04	12579521	AA	GG	1940277899
SNP_P1_57098_12579528	NC_021163.1	Ca_kabuli_chr04	12579528	CC	AA	1940277901
SNP_P1_57099_12580259	NC_021163.1	Ca_kabuli_chr04	12580259	TT	AA	1940277903
SNP_P1_57101_12581082	NC_021163.1	Ca_kabuli_chr04	12581082	AA	CC	1940277904
SNP_P1_57102_12582935	NC_021163.1	Ca_kabuli_chr04	12582935	GG	AA	1940277906
SNP_P1_57104_12583186	NC_021163.1	Ca_kabuli_chr04	12583186	GG	TT	1940277908
SNP_P1_57105_12583443	NC_021163.1	Ca_kabuli_chr04	12583443	AA	CC	1940277910
SNP_P1_57106_12583777	NC_021163.1	Ca_kabuli_chr04	12583777	GG	AA	1940277912
SNP_P1_57107_12584002	NC_021163.1	Ca_kabuli_chr04	12584002	TT	GG	1940277914
SNP_P1_57108_12584262	NC_021163.1	Ca_kabuli_chr04	12584262	GG	AA	1940277916
SNP_P1_57109_12584270	NC_021163.1	Ca_kabuli_chr04	12584270	GG	AA	1940277918
SNP_P1_57110_12585351	NC_021163.1	Ca_kabuli_chr04	12585351	TT	CC	1940277920

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57112_12587056	NC_021163.1	Ca_kabuli_chr04	12587056	GG	AA	1940277924
SNP_P1_57113_12587057	NC_021163.1	Ca_kabuli_chr04	12587057	AA	GG	1940277926
SNP_P1_57114_12587075	NC_021163.1	Ca_kabuli_chr04	12587075	GG	CC	1940277928
SNP_P1_57116_12587381	NC_021163.1	Ca_kabuli_chr04	12587381	CC	TT	1940277930
SNP_P1_57117_12587605	NC_021163.1	Ca_kabuli_chr04	12587605	GG	AA	1940277932
SNP_P1_57118_12587857	NC_021163.1	Ca_kabuli_chr04	12587857	TT	AA	1940277934
SNP_P1_57119_12587985	NC_021163.1	Ca_kabuli_chr04	12587985	CC	TT	1940277936
SNP_P1_57120_12588264	NC_021163.1	Ca_kabuli_chr04	12588264	GG	AA	1940277939
SNP_P1_57121_12588313	NC_021163.1	Ca_kabuli_chr04	12588313	GG	AA	1940277941
SNP_P1_57124_12588985	NC_021163.1	Ca_kabuli_chr04	12588985	GG	AA	1940277944
SNP_P1_57127_12589511	NC_021163.1	Ca_kabuli_chr04	12589511	TT	GG	1940277947
SNP_P1_57128_12589861	NC_021163.1	Ca_kabuli_chr04	12589861	TT	AA	1940277950
SNP_P1_57129_12589880	NC_021163.1	Ca_kabuli_chr04	12589880	TT	CC	1940277952
SNP_P1_57130_12590898	NC_021163.1	Ca_kabuli_chr04	12590898	AA	GG	1940277954
SNP_P1_57131_12591054	NC_021163.1	Ca_kabuli_chr04	12591054	GG	CC	1940277956
SNP_P1_57132_12591173	NC_021163.1	Ca_kabuli_chr04	12591173	TT	GG	1940277959
SNP_P1_57133_12591240	NC_021163.1	Ca_kabuli_chr04	12591240	AA	GG	1940277961
SNP_P1_57134_12591449	NC_021163.1	Ca_kabuli_chr04	12591449	GG	TT	1940277963
SNP_P1_57136_12591553	NC_021163.1	Ca_kabuli_chr04	12591553	GG	AA	1940277965
SNP_P1_57137_12592014	NC_021163.1	Ca_kabuli_chr04	12592014	CC	GG	1940277967
SNP_P1_57138_12592222	NC_021163.1	Ca_kabuli_chr04	12592222	CC	TT	1940277969
SNP_P1_57140_12592493	NC_021163.1	Ca_kabuli_chr04	12592493	GG	AA	1940277971
SNP_P1_57141_12593112	NC_021163.1	Ca_kabuli_chr04	12593112	TT	CC	1940277972
SNP_P1_57144_12593349	NC_021163.1	Ca_kabuli_chr04	12593349	AA	TT	1940277974
SNP_P1_57145_12593359	NC_021163.1	Ca_kabuli_chr04	12593359	AA	GG	1940277976
SNP_P1_57149_12594820	NC_021163.1	Ca_kabuli_chr04	12594820	GG	TT	1940277978
SNP_P1_57150_12594840	NC_021163.1	Ca_kabuli_chr04	12594840	GG	AA	1940277979
SNP_P1_57151_12594851	NC_021163.1	Ca_kabuli_chr04	12594851	CC	AA	1940277981
SNP_P1_57153_12595134	NC_021163.1	Ca_kabuli_chr04	12595134	TT	CC	1940277982
SNP_P1_57154_12596286	NC_021163.1	Ca_kabuli_chr04	12596286	AA	GG	1940277984
SNP_P1_57155_12596619	NC_021163.1	Ca_kabuli_chr04	12596619	GG	CC	1940277985
SNP_P1_57156_12596626	NC_021163.1	Ca_kabuli_chr04	12596626	CC	TT	1940277986
SNP_P1_57157_12596639	NC_021163.1	Ca_kabuli_chr04	12596639	GG	TT	1940277988
SNP_P1_57159_12596770	NC_021163.1	Ca_kabuli_chr04	12596770	AA	GG	1940277989
SNP_P1_57160_12596793	NC_021163.1	Ca_kabuli_chr04	12596793	AA	GG	1940277991
SNP_P1_57162_12597123	NC_021163.1	Ca_kabuli_chr04	12597123	GG	AA	1940277992
SNP_P1_57163_12597748	NC_021163.1	Ca_kabuli_chr04	12597748	AA	GG	1940277994
SNP_P1_57164_12599221	NC_021163.1	Ca_kabuli_chr04	12599221	TT	CC	1940277995
SNP_P1_57165_12599233	NC_021163.1	Ca_kabuli_chr04	12599233	TT	GG	1940277997
SNP_P1_57166_12599245	NC_021163.1	Ca_kabuli_chr04	12599245	AA	GG	1940277999
SNP_P1_57167_12599278	NC_021163.1	Ca_kabuli_chr04	12599278	CC	TT	1940278000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57169_12601183	NC_021163.1	Ca_kabuli_chr04	12601183	GG	AA	1940278003
SNP_P1_57170_12601984	NC_021163.1	Ca_kabuli_chr04	12601984	AA	TT	1940278005
SNP_P1_57171_12602015	NC_021163.1	Ca_kabuli_chr04	12602015	AA	GG	1940278007
SNP_P1_57172_12602193	NC_021163.1	Ca_kabuli_chr04	12602193	CC	GG	1940278008
SNP_P1_57173_12602216	NC_021163.1	Ca_kabuli_chr04	12602216	AA	GG	1940278010
SNP_P1_57174_12602224	NC_021163.1	Ca_kabuli_chr04	12602224	GG	CC	1940278011
SNP_P1_57175_12602321	NC_021163.1	Ca_kabuli_chr04	12602321	CC	TT	1940278013
SNP_P1_57176_12602360	NC_021163.1	Ca_kabuli_chr04	12602360	TT	AA	1940278015
SNP_P1_57177_12602488	NC_021163.1	Ca_kabuli_chr04	12602488	AA	GG	1940278016
SNP_P1_57178_12602497	NC_021163.1	Ca_kabuli_chr04	12602497	AA	GG	1940278018
SNP_P1_57179_12603016	NC_021163.1	Ca_kabuli_chr04	12603016	CC	AA	1940278019
SNP_P1_57180_12603311	NC_021163.1	Ca_kabuli_chr04	12603311	AA	TT	1940278021
SNP_P1_57181_12603606	NC_021163.1	Ca_kabuli_chr04	12603606	CC	GG	1940278022
SNP_P1_57182_12603876	NC_021163.1	Ca_kabuli_chr04	12603876	CC	AA	1940278023
SNP_P1_57183_12604029	NC_021163.1	Ca_kabuli_chr04	12604029	GG	AA	1940278025
SNP_P1_57186_12604563	NC_021163.1	Ca_kabuli_chr04	12604563	AA	GG	1940278027
SNP_P1_57187_12604564	NC_021163.1	Ca_kabuli_chr04	12604564	TT	GG	1940278028
SNP_P1_57188_12604571	NC_021163.1	Ca_kabuli_chr04	12604571	AA	CC	1940278030
SNP_P1_57189_12605619	NC_021163.1	Ca_kabuli_chr04	12605619	CC	TT	1940278032
SNP_P1_57190_12605774	NC_021163.1	Ca_kabuli_chr04	12605774	TT	CC	1940278033
SNP_P1_57191_12605815	NC_021163.1	Ca_kabuli_chr04	12605815	TT	AA	1940278035
SNP_P1_57193_12605971	NC_021163.1	Ca_kabuli_chr04	12605971	GG	CC	1940278036
SNP_P1_57194_12606076	NC_021163.1	Ca_kabuli_chr04	12606076	CC	TT	1940278037
SNP_P1_57195_12606172	NC_021163.1	Ca_kabuli_chr04	12606172	TT	CC	1940278039
SNP_P1_57196_12606258	NC_021163.1	Ca_kabuli_chr04	12606258	CC	TT	1940278041
SNP_P1_57197_12606708	NC_021163.1	Ca_kabuli_chr04	12606708	CC	TT	1940278042
SNP_P1_57198_12607607	NC_021163.1	Ca_kabuli_chr04	12607607	TT	CC	1940278043
SNP_P1_57199_12607614	NC_021163.1	Ca_kabuli_chr04	12607614	AA	CC	1940278045
SNP_P1_57200_12607631	NC_021163.1	Ca_kabuli_chr04	12607631	GG	AA	1940278046
SNP_P1_57201_12607669	NC_021163.1	Ca_kabuli_chr04	12607669	AA	TT	1940278048
SNP_P1_57202_12609209	NC_021163.1	Ca_kabuli_chr04	12609209	TT	CC	1940278049
SNP_P1_57203_12609218	NC_021163.1	Ca_kabuli_chr04	12609218	CC	AA	1940278050
SNP_P1_57204_12609279	NC_021163.1	Ca_kabuli_chr04	12609279	AA	TT	1940278052
SNP_P1_57205_12609301	NC_021163.1	Ca_kabuli_chr04	12609301	CC	TT	1940278054
SNP_P1_57206_12609320	NC_021163.1	Ca_kabuli_chr04	12609320	TT	CC	1940278055
SNP_P1_57207_12609564	NC_021163.1	Ca_kabuli_chr04	12609564	GG	CC	1940278056
SNP_P1_57208_12609580	NC_021163.1	Ca_kabuli_chr04	12609580	AA	GG	1940278058
SNP_P1_57209_12609670	NC_021163.1	Ca_kabuli_chr04	12609670	CC	AA	1940278060
SNP_P1_57210_12609673	NC_021163.1	Ca_kabuli_chr04	12609673	GG	CC	1940278061
SNP_P1_57212_12612504	NC_021163.1	Ca_kabuli_chr04	12612504	GG	CC	1940278063
SNP_P1_57213_12614425	NC_021163.1	Ca_kabuli_chr04	12614425	TT	AA	1940278065

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57215_12625399	NC_021163.1	Ca_kabuli_chr04	12625399	GG	TT	1940278068
SNP_P1_57216_12627418	NC_021163.1	Ca_kabuli_chr04	12627418	CC	TT	1940278069
SNP_P1_57217_12627568	NC_021163.1	Ca_kabuli_chr04	12627568	AA	GG	1940278071
SNP_P1_57218_12628062	NC_021163.1	Ca_kabuli_chr04	12628062	GG	TT	1940278073
SNP_P1_57219_12628212	NC_021163.1	Ca_kabuli_chr04	12628212	GG	AA	1940278074
SNP_P1_57224_12665710	NC_021163.1	Ca_kabuli_chr04	12665710	AA	TT	1940278076
SNP_P1_57227_12667698	NC_021163.1	Ca_kabuli_chr04	12667698	AA	GG	1940278078
SNP_P1_57229_12672397	NC_021163.1	Ca_kabuli_chr04	12672397	GG	CC	1940278079
SNP_P1_57231_12676389	NC_021163.1	Ca_kabuli_chr04	12676389	AA	GG	1940278081
SNP_P1_57232_12676398	NC_021163.1	Ca_kabuli_chr04	12676398	GG	AA	1940278082
SNP_P1_57233_12676452	NC_021163.1	Ca_kabuli_chr04	12676452	GG	AA	1940278084
SNP_P1_57234_12676486	NC_021163.1	Ca_kabuli_chr04	12676486	TT	CC	1940278086
SNP_P1_57235_12676499	NC_021163.1	Ca_kabuli_chr04	12676499	GG	AA	1940278087
SNP_P1_57236_12676665	NC_021163.1	Ca_kabuli_chr04	12676665	AA	GG	1940278089
SNP_P1_57237_12676713	NC_021163.1	Ca_kabuli_chr04	12676713	AA	GG	1940278091
SNP_P1_57238_12676757	NC_021163.1	Ca_kabuli_chr04	12676757	GG	AA	1940278092
SNP_P1_57239_12676766	NC_021163.1	Ca_kabuli_chr04	12676766	AA	GG	1940278094
SNP_P1_57242_12704195	NC_021163.1	Ca_kabuli_chr04	12704195	GG	AA	1940278096
SNP_P1_57243_12714210	NC_021163.1	Ca_kabuli_chr04	12714210	AA	CC	1940278097
SNP_P1_57245_12715466	NC_021163.1	Ca_kabuli_chr04	12715466	CC	AA	1940278099
SNP_P1_57248_12755447	NC_021163.1	Ca_kabuli_chr04	12755447	CC	TT	1940278100
SNP_P1_57249_12759153	NC_021163.1	Ca_kabuli_chr04	12759153	CC	AA	1940278102
SNP_P1_57251_12766525	NC_021163.1	Ca_kabuli_chr04	12766525	TT	CC	1940278104
SNP_P1_57252_12769779	NC_021163.1	Ca_kabuli_chr04	12769779	AA	TT	1940278106
SNP_P1_57253_12771276	NC_021163.1	Ca_kabuli_chr04	12771276	AA	TT	1940278107
SNP_P1_57254_12784650	NC_021163.1	Ca_kabuli_chr04	12784650	AA	TT	1940278109
SNP_P1_57257_12832645	NC_021163.1	Ca_kabuli_chr04	12832645	TT	CC	1940278110
SNP_P1_57258_12836541	NC_021163.1	Ca_kabuli_chr04	12836541	AA	CC	1940278111
SNP_P1_57259_12836542	NC_021163.1	Ca_kabuli_chr04	12836542	AA	GG	1940278113
SNP_P1_57263_12926117	NC_021163.1	Ca_kabuli_chr04	12926117	GG	AA	1940278114
SNP_P1_57264_12926479	NC_021163.1	Ca_kabuli_chr04	12926479	CC	TT	1940278116
SNP_P1_57266_12943814	NC_021163.1	Ca_kabuli_chr04	12943814	AA	GG	1940278118
SNP_P1_57267_12943817	NC_021163.1	Ca_kabuli_chr04	12943817	AA	TT	1940278119
SNP_P1_57268_12985816	NC_021163.1	Ca_kabuli_chr04	12985816	CC	TT	1940278121
SNP_P1_57269_12985823	NC_021163.1	Ca_kabuli_chr04	12985823	CC	AA	1940278122
SNP_P1_57270_12985830	NC_021163.1	Ca_kabuli_chr04	12985830	AA	TT	1940278124
SNP_P1_57271_12985843	NC_021163.1	Ca_kabuli_chr04	12985843	GG	TT	1940278126
SNP_P1_57274_13031878	NC_021163.1	Ca_kabuli_chr04	13031878	TT	AA	1940278127
SNP_P1_57275_13036288	NC_021163.1	Ca_kabuli_chr04	13036288	CC	TT	1940278129
SNP_P1_57276_13038070	NC_021163.1	Ca_kabuli_chr04	13038070	CC	TT	1940278131
SNP_P1_57277_13040542	NC_021163.1	Ca_kabuli_chr04	13040542	AA	GG	1940278132

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57279_13049973	NC_021163.1	Ca_kabuli_chr04	13049973	GG	AA	1940278135
SNP_P1_57280_13049974	NC_021163.1	Ca_kabuli_chr04	13049974	TT	AA	1940278137
SNP_P1_57281_13053298	NC_021163.1	Ca_kabuli_chr04	13053298	AA	TT	1940278139
SNP_P1_57282_13066401	NC_021163.1	Ca_kabuli_chr04	13066401	AA	TT	1940278140
SNP_P1_57283_13066462	NC_021163.1	Ca_kabuli_chr04	13066462	GG	AA	1940278142
SNP_P1_57285_13075493	NC_021163.1	Ca_kabuli_chr04	13075493	TT	CC	1940278143
SNP_P1_57286_13075497	NC_021163.1	Ca_kabuli_chr04	13075497	TT	CC	1940278144
SNP_P1_57287_13081123	NC_021163.1	Ca_kabuli_chr04	13081123	TT	CC	1940278146
SNP_P1_57288_13082266	NC_021163.1	Ca_kabuli_chr04	13082266	AA	TT	1940278148
SNP_P1_57289_13082268	NC_021163.1	Ca_kabuli_chr04	13082268	AA	TT	1940278150
SNP_P1_57290_13095646	NC_021163.1	Ca_kabuli_chr04	13095646	AA	GG	1940278152
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SNP_P1_57292_13126290	NC_021163.1	Ca_kabuli_chr04	13126290	TT	AA	1940278155
SNP_P1_57293_13130877	NC_021163.1	Ca_kabuli_chr04	13130877	TT	AA	1940278157
SNP_P1_57295_13153703	NC_021163.1	Ca_kabuli_chr04	13153703	CC	AA	1940278159
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SNP_P1_57297_13157023	NC_021163.1	Ca_kabuli_chr04	13157023	CC	AA	1940278162
SNP_P1_57298_13157712	NC_021163.1	Ca_kabuli_chr04	13157712	CC	TT	1940278164
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SNP_P1_57301_13189186	NC_021163.1	Ca_kabuli_chr04	13189186	TT	CC	1940278169
SNP_P1_57302_13195891	NC_021163.1	Ca_kabuli_chr04	13195891	TT	AA	1940278171
SNP_P1_57304_13257901	NC_021163.1	Ca_kabuli_chr04	13257901	CC	TT	1940278173
SNP_P1_57306_13282908	NC_021163.1	Ca_kabuli_chr04	13282908	CC	TT	1940278176
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SNP_P1_57312_13386048	NC_021163.1	Ca_kabuli_chr04	13386048	AA	GG	1940278182
SNP_P1_57314_13394035	NC_021163.1	Ca_kabuli_chr04	13394035	CC	TT	1940278183
SNP_P1_57315_13394283	NC_021163.1	Ca_kabuli_chr04	13394283	CC	TT	1940278185
SNP_P1_57316_13404461	NC_021163.1	Ca_kabuli_chr04	13404461	TT	AA	1940278186
SNP_P1_57317_13418361	NC_021163.1	Ca_kabuli_chr04	13418361	TT	CC	1940278188
SNP_P1_57318_13420967	NC_021163.1	Ca_kabuli_chr04	13420967	CC	GG	1940278190
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SNP_P1_57321_13434985	NC_021163.1	Ca_kabuli_chr04	13434985	AA	TT	1940278193
SNP_P1_57322_13436788	NC_021163.1	Ca_kabuli_chr04	13436788	AA	GG	1940278195
SNP_P1_57324_13455213	NC_021163.1	Ca_kabuli_chr04	13455213	AA	TT	1940278196
SNP_P1_57325_13461044	NC_021163.1	Ca_kabuli_chr04	13461044	CC	GG	1940278198
SNP_P1_57326_13477419	NC_021163.1	Ca_kabuli_chr04	13477419	GG	AA	1940278199
SNP_P1_57327_13481269	NC_021163.1	Ca_kabuli_chr04	13481269	TT	AA	1940278201
SNP_P1_57329_13521963	NC_021163.1	Ca_kabuli_chr04	13521963	TT	AA	1940278203
SNP_P1_57330_13530557	NC_021163.1	Ca_kabuli_chr04	13530557	GG	CC	1940278204

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57332_13549638	NC_021163.1	Ca_kabuli_chr04	13549638	AA	CC	1940278208
SNP_P1_57333_13555506	NC_021163.1	Ca_kabuli_chr04	13555506	CC	TT	1940278209
SNP_P1_57334_13555515	NC_021163.1	Ca_kabuli_chr04	13555515	CC	TT	1940278211
SNP_P1_57335_13555518	NC_021163.1	Ca_kabuli_chr04	13555518	CC	TT	1940278212
SNP_P1_57336_13555547	NC_021163.1	Ca_kabuli_chr04	13555547	GG	AA	1940278213
SNP_P1_57337_13555705	NC_021163.1	Ca_kabuli_chr04	13555705	CC	TT	1940278215
SNP_P1_57338_13555807	NC_021163.1	Ca_kabuli_chr04	13555807	AA	GG	1940278217
SNP_P1_57339_13558731	NC_021163.1	Ca_kabuli_chr04	13558731	TT	GG	1940278218
SNP_P1_57340_13559935	NC_021163.1	Ca_kabuli_chr04	13559935	CC	TT	1940278219
SNP_P1_57341_13560520	NC_021163.1	Ca_kabuli_chr04	13560520	AA	GG	1940278221
SNP_P1_57342_13564822	NC_021163.1	Ca_kabuli_chr04	13564822	GG	AA	1940278222
SNP_P1_57343_13574475	NC_021163.1	Ca_kabuli_chr04	13574475	CC	GG	1940278224
SNP_P1_57344_13574730	NC_021163.1	Ca_kabuli_chr04	13574730	CC	TT	1940278225
SNP_P1_57345_13574738	NC_021163.1	Ca_kabuli_chr04	13574738	AA	GG	1940278227
SNP_P1_57346_13574796	NC_021163.1	Ca_kabuli_chr04	13574796	CC	TT	1940278228
SNP_P1_57347_13574797	NC_021163.1	Ca_kabuli_chr04	13574797	GG	AA	1940278230
SNP_P1_57348_13574968	NC_021163.1	Ca_kabuli_chr04	13574968	GG	AA	1940278232
SNP_P1_57349_13577793	NC_021163.1	Ca_kabuli_chr04	13577793	AA	CC	1940278233
SNP_P1_57350_13577805	NC_021163.1	Ca_kabuli_chr04	13577805	TT	AA	1940278235
SNP_P1_57351_13578611	NC_021163.1	Ca_kabuli_chr04	13578611	TT	GG	1940278236
SNP_P1_57352_13578613	NC_021163.1	Ca_kabuli_chr04	13578613	TT	AA	1940278238
SNP_P1_57353_13578843	NC_021163.1	Ca_kabuli_chr04	13578843	CC	TT	1940278240
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SNP_P1_57356_13579471	NC_021163.1	Ca_kabuli_chr04	13579471	CC	TT	1940278243
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SNP_P1_57361_13580893	NC_021163.1	Ca_kabuli_chr04	13580893	GG	AA	1940278249
SNP_P1_57362_13581004	NC_021163.1	Ca_kabuli_chr04	13581004	GG	AA	1940278251
SNP_P1_57363_13581291	NC_021163.1	Ca_kabuli_chr04	13581291	AA	GG	1940278253
SNP_P1_57364_13581471	NC_021163.1	Ca_kabuli_chr04	13581471	TT	CC	1940278254
SNP_P1_57365_13581475	NC_021163.1	Ca_kabuli_chr04	13581475	TT	CC	1940278256
SNP_P1_57366_13581500	NC_021163.1	Ca_kabuli_chr04	13581500	CC	TT	1940278257
SNP_P1_57367_13582403	NC_021163.1	Ca_kabuli_chr04	13582403	AA	GG	1940278259
SNP_P1_57368_13582404	NC_021163.1	Ca_kabuli_chr04	13582404	CC	TT	1940278261
SNP_P1_57369_13582452	NC_021163.1	Ca_kabuli_chr04	13582452	GG	TT	1940278262
SNP_P1_57370_13582612	NC_021163.1	Ca_kabuli_chr04	13582612	CC	TT	1940278264
SNP_P1_57372_13582676	NC_021163.1	Ca_kabuli_chr04	13582676	TT	GG	1940278265
SNP_P1_57373_13582705	NC_021163.1	Ca_kabuli_chr04	13582705	AA	TT	1940278267
SNP_P1_57374_13583471	NC_021163.1	Ca_kabuli_chr04	13583471	TT	GG	1940278269
SNP_P1_57375_13585643	NC_021163.1	Ca_kabuli_chr04	13585643	GG	CC	1940278270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57378_13586572	NC_021163.1	Ca_kabuli_chr04	13586572	GG	TT	1940278275
SNP_P1_57379_13587230	NC_021163.1	Ca_kabuli_chr04	13587230	CC	AA	1940278277
SNP_P1_57380_13587569	NC_021163.1	Ca_kabuli_chr04	13587569	TT	AA	1940278278
SNP_P1_57381_13589950	NC_021163.1	Ca_kabuli_chr04	13589950	CC	TT	1940278280
SNP_P1_57382_13590887	NC_021163.1	Ca_kabuli_chr04	13590887	TT	CC	1940278281
SNP_P1_57383_13590926	NC_021163.1	Ca_kabuli_chr04	13590926	GG	AA	1940278283
SNP_P1_57384_13594149	NC_021163.1	Ca_kabuli_chr04	13594149	AA	GG	1940278285
SNP_P1_57385_13594166	NC_021163.1	Ca_kabuli_chr04	13594166	CC	TT	1940278286
SNP_P1_57386_13602212	NC_021163.1	Ca_kabuli_chr04	13602212	CC	TT	1940278288
SNP_P1_57387_13602229	NC_021163.1	Ca_kabuli_chr04	13602229	GG	AA	1940278289
SNP_P1_57388_13603544	NC_021163.1	Ca_kabuli_chr04	13603544	GG	TT	1940278291
SNP_P1_57389_13603587	NC_021163.1	Ca_kabuli_chr04	13603587	AA	GG	1940278292
SNP_P1_57390_13603592	NC_021163.1	Ca_kabuli_chr04	13603592	TT	AA	1940278294
SNP_P1_57391_13603903	NC_021163.1	Ca_kabuli_chr04	13603903	CC	TT	1940278296
SNP_P1_57392_13603910	NC_021163.1	Ca_kabuli_chr04	13603910	AA	GG	1940278297
SNP_P1_57394_13604299	NC_021163.1	Ca_kabuli_chr04	13604299	GG	AA	1940278299
SNP_P1_57395_13604467	NC_021163.1	Ca_kabuli_chr04	13604467	CC	TT	1940278300
SNP_P1_57396_13604473	NC_021163.1	Ca_kabuli_chr04	13604473	GG	CC	1940278302
SNP_P1_57397_13604496	NC_021163.1	Ca_kabuli_chr04	13604496	CC	AA	1940278304
SNP_P1_57399_13604552	NC_021163.1	Ca_kabuli_chr04	13604552	TT	CC	1940278305
SNP_P1_57400_13604600	NC_021163.1	Ca_kabuli_chr04	13604600	AA	CC	1940278307
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SNP_P1_57404_13612229	NC_021163.1	Ca_kabuli_chr04	13612229	AA	CC	1940278312
SNP_P1_57406_13613448	NC_021163.1	Ca_kabuli_chr04	13613448	TT	GG	1940278313
SNP_P1_57407_13613455	NC_021163.1	Ca_kabuli_chr04	13613455	GG	AA	1940278315
SNP_P1_57408_13614057	NC_021163.1	Ca_kabuli_chr04	13614057	CC	TT	1940278316
SNP_P1_57409_13614104	NC_021163.1	Ca_kabuli_chr04	13614104	GG	AA	1940278318
SNP_P1_57410_13614126	NC_021163.1	Ca_kabuli_chr04	13614126	TT	CC	1940278320
SNP_P1_57411_13614140	NC_021163.1	Ca_kabuli_chr04	13614140	GG	AA	1940278321
SNP_P1_57413_13614346	NC_021163.1	Ca_kabuli_chr04	13614346	TT	GG	1940278323
SNP_P1_57415_13614864	NC_021163.1	Ca_kabuli_chr04	13614864	TT	CC	1940278325
SNP_P1_57416_13614879	NC_021163.1	Ca_kabuli_chr04	13614879	AA	GG	1940278326
SNP_P1_57417_13614884	NC_021163.1	Ca_kabuli_chr04	13614884	AA	GG	1940278328
SNP_P1_57418_13615634	NC_021163.1	Ca_kabuli_chr04	13615634	GG	TT	1940278329
SNP_P1_57419_13616163	NC_021163.1	Ca_kabuli_chr04	13616163	TT	CC	1940278331
SNP_P1_57420_13616167	NC_021163.1	Ca_kabuli_chr04	13616167	TT	AA	1940278333
SNP_P1_57421_13617174	NC_021163.1	Ca_kabuli_chr04	13617174	TT	AA	1940278334
SNP_P1_57423_13617542	NC_021163.1	Ca_kabuli_chr04	13617542	GG	AA	1940278336
SNP_P1_57424_13617712	NC_021163.1	Ca_kabuli_chr04	13617712	TT	CC	1940278337

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57426_13617945	NC_021163.1	Ca_kabuli_chr04	13617945	GG	TT	1940278341
SNP_P1_57427_13618133	NC_021163.1	Ca_kabuli_chr04	13618133	TT	CC	1940278342
SNP_P1_57428_13618160	NC_021163.1	Ca_kabuli_chr04	13618160	TT	CC	1940278344
SNP_P1_57429_13618537	NC_021163.1	Ca_kabuli_chr04	13618537	AA	GG	1940278345
SNP_P1_57430_13619044	NC_021163.1	Ca_kabuli_chr04	13619044	CC	GG	1940278347
SNP_P1_57431_13620167	NC_021163.1	Ca_kabuli_chr04	13620167	AA	GG	1940278349
SNP_P1_57432_13620184	NC_021163.1	Ca_kabuli_chr04	13620184	GG	AA	1940278350
SNP_P1_57433_13620193	NC_021163.1	Ca_kabuli_chr04	13620193	GG	AA	1940278352
SNP_P1_57434_13620205	NC_021163.1	Ca_kabuli_chr04	13620205	CC	TT	1940278353
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SNP_P1_57436_13621927	NC_021163.1	Ca_kabuli_chr04	13621927	TT	CC	1940278357
SNP_P1_57437_13621981	NC_021163.1	Ca_kabuli_chr04	13621981	AA	GG	1940278358
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SNP_P1_57439_13622279	NC_021163.1	Ca_kabuli_chr04	13622279	AA	TT	1940278361
SNP_P1_57440_13623269	NC_021163.1	Ca_kabuli_chr04	13623269	GG	AA	1940278363
SNP_P1_57441_13623697	NC_021163.1	Ca_kabuli_chr04	13623697	GG	AA	1940278364
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SNP_P1_57455_13626458	NC_021163.1	Ca_kabuli_chr04	13626458	TT	CC	1940278383
SNP_P1_57456_13626484	NC_021163.1	Ca_kabuli_chr04	13626484	GG	AA	1940278385
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SNP_P1_57459_13626994	NC_021163.1	Ca_kabuli_chr04	13626994	CC	GG	1940278390
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SNP_P1_57461_13627804	NC_021163.1	Ca_kabuli_chr04	13627804	CC	TT	1940278393
SNP_P1_57462_13627807	NC_021163.1	Ca_kabuli_chr04	13627807	GG	AA	1940278395
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SNP_P1_57466_13628607	NC_021163.1	Ca_kabuli_chr04	13628607	GG	AA	1940278401
SNP_P1_57467_13628625	NC_021163.1	Ca_kabuli_chr04	13628625	GG	AA	1940278402
SNP_P1_57468_13628626	NC_021163.1	Ca_kabuli_chr04	13628626	TT	CC	1940278404

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57473_13628818	NC_021163.1	Ca_kabuli_chr04	13628818	CC	TT	1940278412
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SNP_P1_57475_13628992	NC_021163.1	Ca_kabuli_chr04	13628992	TT	CC	1940278415
SNP_P1_57477_13629241	NC_021163.1	Ca_kabuli_chr04	13629241	CC	AA	1940278417
SNP_P1_57478_13629264	NC_021163.1	Ca_kabuli_chr04	13629264	AA	GG	1940278418
SNP_P1_57479_13629477	NC_021163.1	Ca_kabuli_chr04	13629477	AA	GG	1940278420
SNP_P1_57480_13629482	NC_021163.1	Ca_kabuli_chr04	13629482	GG	AA	1940278422
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SNP_P1_57484_13631050	NC_021163.1	Ca_kabuli_chr04	13631050	AA	CC	1940278426
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SNP_P1_57487_13631181	NC_021163.1	Ca_kabuli_chr04	13631181	CC	TT	1940278429
SNP_P1_57488_13631188	NC_021163.1	Ca_kabuli_chr04	13631188	GG	AA	1940278431
SNP_P1_57489_13631190	NC_021163.1	Ca_kabuli_chr04	13631190	TT	CC	1940278433
SNP_P1_57490_13631233	NC_021163.1	Ca_kabuli_chr04	13631233	GG	AA	1940278434
SNP_P1_57491_13631250	NC_021163.1	Ca_kabuli_chr04	13631250	GG	AA	1940278436
SNP_P1_57492_13632093	NC_021163.1	Ca_kabuli_chr04	13632093	GG	AA	1940278437
SNP_P1_57494_13633113	NC_021163.1	Ca_kabuli_chr04	13633113	TT	GG	1940278439
SNP_P1_57495_13633147	NC_021163.1	Ca_kabuli_chr04	13633147	GG	AA	1940278441
SNP_P1_57496_13633231	NC_021163.1	Ca_kabuli_chr04	13633231	TT	CC	1940278442
SNP_P1_57497_13633405	NC_021163.1	Ca_kabuli_chr04	13633405	TT	CC	1940278444
SNP_P1_57498_13633421	NC_021163.1	Ca_kabuli_chr04	13633421	AA	TT	1940278445
SNP_P1_57499_13633586	NC_021163.1	Ca_kabuli_chr04	13633586	TT	GG	1940278447
SNP_P1_57500_13633795	NC_021163.1	Ca_kabuli_chr04	13633795	TT	CC	1940278449
SNP_P1_57501_13633804	NC_021163.1	Ca_kabuli_chr04	13633804	GG	AA	1940278450
SNP_P1_57502_13634206	NC_021163.1	Ca_kabuli_chr04	13634206	AA	TT	1940278452
SNP_P1_57503_13634279	NC_021163.1	Ca_kabuli_chr04	13634279	CC	AA	1940278453
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SNP_P1_57506_13638301	NC_021163.1	Ca_kabuli_chr04	13638301	GG	AA	1940278457
SNP_P1_57507_13638744	NC_021163.1	Ca_kabuli_chr04	13638744	TT	CC	1940278458
SNP_P1_57508_13638757	NC_021163.1	Ca_kabuli_chr04	13638757	AA	GG	1940278460
SNP_P1_57509_13638764	NC_021163.1	Ca_kabuli_chr04	13638764	AA	CC	1940278461
SNP_P1_57510_13638791	NC_021163.1	Ca_kabuli_chr04	13638791	GG	AA	1940278463
SNP_P1_57511_13638820	NC_021163.1	Ca_kabuli_chr04	13638820	TT	AA	1940278465
SNP_P1_57512_13638859	NC_021163.1	Ca_kabuli_chr04	13638859	TT	CC	1940278466
SNP_P1_57513_13638860	NC_021163.1	Ca_kabuli_chr04	13638860	GG	AA	1940278468
SNP_P1_57514_13638882	NC_021163.1	Ca_kabuli_chr04	13638882	AA	GG	1940278469
SNP_P1_57515_13639084	NC_021163.1	Ca_kabuli_chr04	13639084	GG	AA	1940278471

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57520_13644625	NC_021163.1	Ca_kabuli_chr04	13644625	GG	AA	1940278474
SNP_P1_57521_13644698	NC_021163.1	Ca_kabuli_chr04	13644698	GG	CC	1940278476
SNP_P1_57522_13646220	NC_021163.1	Ca_kabuli_chr04	13646220	TT	GG	1940278477
SNP_P1_57523_13647850	NC_021163.1	Ca_kabuli_chr04	13647850	CC	AA	1940278479
SNP_P1_57524_13647856	NC_021163.1	Ca_kabuli_chr04	13647856	AA	TT	1940278480
SNP_P1_57525_13648011	NC_021163.1	Ca_kabuli_chr04	13648011	CC	TT	1940278482
SNP_P1_57526_13648033	NC_021163.1	Ca_kabuli_chr04	13648033	CC	AA	1940278484
SNP_P1_57527_13648036	NC_021163.1	Ca_kabuli_chr04	13648036	AA	TT	1940278485
SNP_P1_57528_13648370	NC_021163.1	Ca_kabuli_chr04	13648370	GG	CC	1940278487
SNP_P1_57529_13649077	NC_021163.1	Ca_kabuli_chr04	13649077	GG	TT	1940278488
SNP_P1_57530_13650062	NC_021163.1	Ca_kabuli_chr04	13650062	GG	TT	1940278490
SNP_P1_57531_13650065	NC_021163.1	Ca_kabuli_chr04	13650065	TT	AA	1940278492
SNP_P1_57532_13650151	NC_021163.1	Ca_kabuli_chr04	13650151	TT	CC	1940278493
SNP_P1_57533_13651659	NC_021163.1	Ca_kabuli_chr04	13651659	TT	AA	1940278495
SNP_P1_57534_13653147	NC_021163.1	Ca_kabuli_chr04	13653147	TT	AA	1940278496
SNP_P1_57535_13653780	NC_021163.1	Ca_kabuli_chr04	13653780	AA	GG	1940278498
SNP_P1_57536_13654388	NC_021163.1	Ca_kabuli_chr04	13654388	CC	AA	1940278500
SNP_P1_57537_13654389	NC_021163.1	Ca_kabuli_chr04	13654389	CC	GG	1940278501
SNP_P1_57539_13654438	NC_021163.1	Ca_kabuli_chr04	13654438	TT	CC	1940278503
SNP_P1_57540_13654634	NC_021163.1	Ca_kabuli_chr04	13654634	CC	TT	1940278505
SNP_P1_57541_13654656	NC_021163.1	Ca_kabuli_chr04	13654656	TT	CC	1940278506
SNP_P1_57543_13655305	NC_021163.1	Ca_kabuli_chr04	13655305	TT	GG	1940278508
SNP_P1_57544_13655442	NC_021163.1	Ca_kabuli_chr04	13655442	CC	TT	1940278509
SNP_P1_57545_13655628	NC_021163.1	Ca_kabuli_chr04	13655628	GG	AA	1940278511
SNP_P1_57547_13656777	NC_021163.1	Ca_kabuli_chr04	13656777	AA	GG	1940278513
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SNP_P1_57549_13657510	NC_021163.1	Ca_kabuli_chr04	13657510	TT	CC	1940278516
SNP_P1_57550_13657558	NC_021163.1	Ca_kabuli_chr04	13657558	TT	CC	1940278518
SNP_P1_57551_13657749	NC_021163.1	Ca_kabuli_chr04	13657749	TT	CC	1940278520
SNP_P1_57553_13657953	NC_021163.1	Ca_kabuli_chr04	13657953	AA	TT	1940278521
SNP_P1_57554_13658002	NC_021163.1	Ca_kabuli_chr04	13658002	GG	CC	1940278523
SNP_P1_57555_13658141	NC_021163.1	Ca_kabuli_chr04	13658141	CC	TT	1940278525
SNP_P1_57556_13658156	NC_021163.1	Ca_kabuli_chr04	13658156	AA	TT	1940278526
SNP_P1_57557_13658544	NC_021163.1	Ca_kabuli_chr04	13658544	TT	AA	1940278528
SNP_P1_57558_13659111	NC_021163.1	Ca_kabuli_chr04	13659111	GG	AA	1940278530
SNP_P1_57559_13662104	NC_021163.1	Ca_kabuli_chr04	13662104	AA	GG	1940278531
SNP_P1_57561_13663092	NC_021163.1	Ca_kabuli_chr04	13663092	TT	CC	1940278533
SNP_P1_57562_13663454	NC_021163.1	Ca_kabuli_chr04	13663454	TT	GG	1940278535
SNP_P1_57563_13663947	NC_021163.1	Ca_kabuli_chr04	13663947	TT	AA	1940278537
SNP_P1_57564_13663953	NC_021163.1	Ca_kabuli_chr04	13663953	AA	TT	1940278539
SNP_P1_57566_13666458	NC_021163.1	Ca_kabuli_chr04	13666458	AA	TT	1940278540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57568_13666705	NC_021163.1	Ca_kabuli_chr04	13666705	CC	TT	1940278543
SNP_P1_57569_13667686	NC_021163.1	Ca_kabuli_chr04	13667686	CC	TT	1940278545
SNP_P1_57570_13667834	NC_021163.1	Ca_kabuli_chr04	13667834	AA	TT	1940278547
SNP_P1_57571_13667972	NC_021163.1	Ca_kabuli_chr04	13667972	GG	AA	1940278548
SNP_P1_57572_13668023	NC_021163.1	Ca_kabuli_chr04	13668023	CC	TT	1940278550
SNP_P1_57573_13668286	NC_021163.1	Ca_kabuli_chr04	13668286	AA	CC	1940278551
SNP_P1_57574_13668288	NC_021163.1	Ca_kabuli_chr04	13668288	AA	GG	1940278553
SNP_P1_57575_13668289	NC_021163.1	Ca_kabuli_chr04	13668289	CC	TT	1940278555
SNP_P1_57576_13668290	NC_021163.1	Ca_kabuli_chr04	13668290	CC	AA	1940278556
SNP_P1_57577_13669790	NC_021163.1	Ca_kabuli_chr04	13669790	AA	CC	1940278558
SNP_P1_57580_13670637	NC_021163.1	Ca_kabuli_chr04	13670637	TT	CC	1940278560
SNP_P1_57581_13670677	NC_021163.1	Ca_kabuli_chr04	13670677	CC	TT	1940278561
SNP_P1_57582_13670745	NC_021163.1	Ca_kabuli_chr04	13670745	GG	AA	1940278563
SNP_P1_57583_13670754	NC_021163.1	Ca_kabuli_chr04	13670754	CC	TT	1940278565
SNP_P1_57584_13670959	NC_021163.1	Ca_kabuli_chr04	13670959	GG	CC	1940278566
SNP_P1_57585_13670961	NC_021163.1	Ca_kabuli_chr04	13670961	CC	TT	1940278567
SNP_P1_57586_13671584	NC_021163.1	Ca_kabuli_chr04	13671584	CC	TT	1940278568
SNP_P1_57587_13671587	NC_021163.1	Ca_kabuli_chr04	13671587	GG	CC	1940278569
SNP_P1_57588_13673670	NC_021163.1	Ca_kabuli_chr04	13673670	GG	AA	1940278570
SNP_P1_57590_13674624	NC_021163.1	Ca_kabuli_chr04	13674624	AA	GG	1940278571
SNP_P1_57591_13674932	NC_021163.1	Ca_kabuli_chr04	13674932	GG	AA	1940278572
SNP_P1_57593_13675057	NC_021163.1	Ca_kabuli_chr04	13675057	AA	GG	1940278573
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SNP_P1_57595_13675209	NC_021163.1	Ca_kabuli_chr04	13675209	GG	AA	1940278575
SNP_P1_57596_13675501	NC_021163.1	Ca_kabuli_chr04	13675501	TT	CC	1940278577
SNP_P1_57597_13675506	NC_021163.1	Ca_kabuli_chr04	13675506	CC	TT	1940278578
SNP_P1_57598_13675746	NC_021163.1	Ca_kabuli_chr04	13675746	AA	GG	1940278579
SNP_P1_57599_13675842	NC_021163.1	Ca_kabuli_chr04	13675842	AA	TT	1940278580
SNP_P1_57600_13676951	NC_021163.1	Ca_kabuli_chr04	13676951	CC	GG	1940278581
SNP_P1_57601_13677885	NC_021163.1	Ca_kabuli_chr04	13677885	AA	GG	1940278582
SNP_P1_57602_13677914	NC_021163.1	Ca_kabuli_chr04	13677914	CC	TT	1940278583
SNP_P1_57603_13677920	NC_021163.1	Ca_kabuli_chr04	13677920	GG	AA	1940278584
SNP_P1_57604_13677932	NC_021163.1	Ca_kabuli_chr04	13677932	TT	CC	1940278585
SNP_P1_57605_13677952	NC_021163.1	Ca_kabuli_chr04	13677952	AA	GG	1940278587
SNP_P1_57606_13678004	NC_021163.1	Ca_kabuli_chr04	13678004	CC	TT	1940278589
SNP_P1_57607_13678145	NC_021163.1	Ca_kabuli_chr04	13678145	TT	CC	1940278590
SNP_P1_57608_13678158	NC_021163.1	Ca_kabuli_chr04	13678158	CC	TT	1940278592
SNP_P1_57609_13682276	NC_021163.1	Ca_kabuli_chr04	13682276	CC	TT	1940278593
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SNP_P1_57611_13682393	NC_021163.1	Ca_kabuli_chr04	13682393	AA	GG	1940278597
SNP_P1_57612_13682491	NC_021163.1	Ca_kabuli_chr04	13682491	AA	GG	1940278598

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57614_13682742	NC_021163.1	Ca_kabuli_chr04	13682742	GG	AA	1940278601
SNP_P1_57615_13682784	NC_021163.1	Ca_kabuli_chr04	13682784	CC	TT	1940278603
SNP_P1_57616_13682835	NC_021163.1	Ca_kabuli_chr04	13682835	GG	AA	1940278604
SNP_P1_57617_13683034	NC_021163.1	Ca_kabuli_chr04	13683034	GG	AA	1940278606
SNP_P1_57618_13683060	NC_021163.1	Ca_kabuli_chr04	13683060	AA	GG	1940278608
SNP_P1_57619_13683093	NC_021163.1	Ca_kabuli_chr04	13683093	AA	GG	1940278609
SNP_P1_57620_13683288	NC_021163.1	Ca_kabuli_chr04	13683288	TT	CC	1940278611
SNP_P1_57621_13684807	NC_021163.1	Ca_kabuli_chr04	13684807	GG	TT	1940278612
SNP_P1_57622_13684843	NC_021163.1	Ca_kabuli_chr04	13684843	GG	AA	1940278614
SNP_P1_57623_13684849	NC_021163.1	Ca_kabuli_chr04	13684849	GG	AA	1940278616
SNP_P1_57624_13685443	NC_021163.1	Ca_kabuli_chr04	13685443	GG	AA	1940278617
SNP_P1_57625_13686025	NC_021163.1	Ca_kabuli_chr04	13686025	CC	GG	1940278619
SNP_P1_57626_13688925	NC_021163.1	Ca_kabuli_chr04	13688925	GG	AA	1940278620
SNP_P1_57627_13689660	NC_021163.1	Ca_kabuli_chr04	13689660	AA	TT	1940278622
SNP_P1_57629_13690163	NC_021163.1	Ca_kabuli_chr04	13690163	AA	GG	1940278624
SNP_P1_57630_13690423	NC_021163.1	Ca_kabuli_chr04	13690423	AA	GG	1940278625
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SNP_P1_57633_13691182	NC_021163.1	Ca_kabuli_chr04	13691182	TT	GG	1940278630
SNP_P1_57635_13691491	NC_021163.1	Ca_kabuli_chr04	13691491	AA	GG	1940278632
SNP_P1_57636_13691843	NC_021163.1	Ca_kabuli_chr04	13691843	TT	CC	1940278633
SNP_P1_57637_13691844	NC_021163.1	Ca_kabuli_chr04	13691844	CC	AA	1940278634
SNP_P1_57638_13692111	NC_021163.1	Ca_kabuli_chr04	13692111	TT	CC	1940278636
SNP_P1_57640_13693828	NC_021163.1	Ca_kabuli_chr04	13693828	AA	GG	1940278638
SNP_P1_57641_13693992	NC_021163.1	Ca_kabuli_chr04	13693992	AA	GG	1940278639
SNP_P1_57642_13694024	NC_021163.1	Ca_kabuli_chr04	13694024	TT	CC	1940278641
SNP_P1_57643_13694026	NC_021163.1	Ca_kabuli_chr04	13694026	CC	AA	1940278642
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SNP_P1_57646_13696047	NC_021163.1	Ca_kabuli_chr04	13696047	CC	TT	1940278645
SNP_P1_57647_13696360	NC_021163.1	Ca_kabuli_chr04	13696360	GG	AA	1940278647
SNP_P1_57648_13696733	NC_021163.1	Ca_kabuli_chr04	13696733	AA	GG	1940278649
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SNP_P1_57656_13699663	NC_021163.1	Ca_kabuli_chr04	13699663	GG	AA	1940278662
SNP_P1_57658_13700713	NC_021163.1	Ca_kabuli_chr04	13700713	TT	AA	1940278663
SNP_P1_57659_13703269	NC_021163.1	Ca_kabuli_chr04	13703269	GG	AA	1940278665

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57664_13706102	NC_021163.1	Ca_kabuli_chr04	13706102	TT	CC	1940278670
SNP_P1_57665_13706130	NC_021163.1	Ca_kabuli_chr04	13706130	AA	GG	1940278671
SNP_P1_57666_13706323	NC_021163.1	Ca_kabuli_chr04	13706323	TT	CC	1940278673
SNP_P1_57667_13706324	NC_021163.1	Ca_kabuli_chr04	13706324	AA	CC	1940278674
SNP_P1_57668_13706398	NC_021163.1	Ca_kabuli_chr04	13706398	CC	TT	1940278676
SNP_P1_57669_13706440	NC_021163.1	Ca_kabuli_chr04	13706440	GG	AA	1940278678
SNP_P1_57670_13706907	NC_021163.1	Ca_kabuli_chr04	13706907	AA	CC	1940278679
SNP_P1_57672_13711670	NC_021163.1	Ca_kabuli_chr04	13711670	GG	AA	1940278681
SNP_P1_57673_13711835	NC_021163.1	Ca_kabuli_chr04	13711835	AA	GG	1940278683
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SNP_P1_57675_13713550	NC_021163.1	Ca_kabuli_chr04	13713550	GG	CC	1940278686
SNP_P1_57676_13714023	NC_021163.1	Ca_kabuli_chr04	13714023	AA	TT	1940278687
SNP_P1_57677_13716902	NC_021163.1	Ca_kabuli_chr04	13716902	AA	GG	1940278689
SNP_P1_57678_13717760	NC_021163.1	Ca_kabuli_chr04	13717760	GG	AA	1940278691
SNP_P1_57679_13718817	NC_021163.1	Ca_kabuli_chr04	13718817	GG	AA	1940278692
SNP_P1_57680_13719446	NC_021163.1	Ca_kabuli_chr04	13719446	TT	CC	1940278694
SNP_P1_57681_13723629	NC_021163.1	Ca_kabuli_chr04	13723629	GG	TT	1940278695
SNP_P1_57682_13726606	NC_021163.1	Ca_kabuli_chr04	13726606	AA	TT	1940278697
SNP_P1_57683_13727786	NC_021163.1	Ca_kabuli_chr04	13727786	TT	CC	1940278699
SNP_P1_57684_13729682	NC_021163.1	Ca_kabuli_chr04	13729682	TT	GG	1940278700
SNP_P1_57685_13729786	NC_021163.1	Ca_kabuli_chr04	13729786	CC	TT	1940278701
SNP_P1_57686_13729867	NC_021163.1	Ca_kabuli_chr04	13729867	AA	GG	1940278703
SNP_P1_57687_13729933	NC_021163.1	Ca_kabuli_chr04	13729933	GG	AA	1940278704
SNP_P1_57688_13730064	NC_021163.1	Ca_kabuli_chr04	13730064	AA	TT	1940278706
SNP_P1_57690_13731423	NC_021163.1	Ca_kabuli_chr04	13731423	AA	GG	1940278708
SNP_P1_57691_13731464	NC_021163.1	Ca_kabuli_chr04	13731464	GG	AA	1940278709
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SNP_P1_57695_13732797	NC_021163.1	Ca_kabuli_chr04	13732797	GG	CC	1940278714
SNP_P1_57696_13733027	NC_021163.1	Ca_kabuli_chr04	13733027	GG	AA	1940278716
SNP_P1_57697_13734297	NC_021163.1	Ca_kabuli_chr04	13734297	GG	AA	1940278717
SNP_P1_57698_13739272	NC_021163.1	Ca_kabuli_chr04	13739272	GG	AA	1940278719
SNP_P1_57699_13739609	NC_021163.1	Ca_kabuli_chr04	13739609	AA	CC	1940278720
SNP_P1_57700_13739854	NC_021163.1	Ca_kabuli_chr04	13739854	GG	CC	1940278722
SNP_P1_57701_13743315	NC_021163.1	Ca_kabuli_chr04	13743315	TT	AA	1940278724
SNP_P1_57703_13744591	NC_021163.1	Ca_kabuli_chr04	13744591	GG	TT	1940278725
SNP_P1_57704_13744768	NC_021163.1	Ca_kabuli_chr04	13744768	AA	GG	1940278727
SNP_P1_57705_13745022	NC_021163.1	Ca_kabuli_chr04	13745022	CC	GG	1940278728
SNP_P1_57706_13745316	NC_021163.1	Ca_kabuli_chr04	13745316	TT	AA	1940278730
SNP_P1_57708_13746894	NC_021163.1	Ca_kabuli_chr04	13746894	TT	CC	1940278732

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57710_13749741	NC_021163.1	Ca_kabuli_chr04	13749741	TT	GG	1940278735
SNP_P1_57711_13750753	NC_021163.1	Ca_kabuli_chr04	13750753	GG	AA	1940278736
SNP_P1_57713_13750851	NC_021163.1	Ca_kabuli_chr04	13750851	CC	TT	1940278738
SNP_P1_57714_13750852	NC_021163.1	Ca_kabuli_chr04	13750852	TT	CC	1940278739
SNP_P1_57715_13751090	NC_021163.1	Ca_kabuli_chr04	13751090	CC	TT	1940278741
SNP_P1_57716_13751107	NC_021163.1	Ca_kabuli_chr04	13751107	AA	GG	1940278742
SNP_P1_57717_13751118	NC_021163.1	Ca_kabuli_chr04	13751118	AA	GG	1940278744
SNP_P1_57718_13751227	NC_021163.1	Ca_kabuli_chr04	13751227	AA	GG	1940278745
SNP_P1_57719_13753564	NC_021163.1	Ca_kabuli_chr04	13753564	CC	TT	1940278747
SNP_P1_57720_13753777	NC_021163.1	Ca_kabuli_chr04	13753777	CC	GG	1940278749
SNP_P1_57721_13753801	NC_021163.1	Ca_kabuli_chr04	13753801	TT	CC	1940278750
SNP_P1_57723_13757791	NC_021163.1	Ca_kabuli_chr04	13757791	AA	CC	1940278752
SNP_P1_57725_13760852	NC_021163.1	Ca_kabuli_chr04	13760852	TT	AA	1940278753
SNP_P1_57726_13761511	NC_021163.1	Ca_kabuli_chr04	13761511	AA	GG	1940278755
SNP_P1_57727_13761831	NC_021163.1	Ca_kabuli_chr04	13761831	AA	TT	1940278757
SNP_P1_57728_13762499	NC_021163.1	Ca_kabuli_chr04	13762499	CC	AA	1940278758
SNP_P1_57729_13764314	NC_021163.1	Ca_kabuli_chr04	13764314	AA	GG	1940278760
SNP_P1_57730_13764476	NC_021163.1	Ca_kabuli_chr04	13764476	AA	TT	1940278761
SNP_P1_57731_13764805	NC_021163.1	Ca_kabuli_chr04	13764805	CC	AA	1940278763
SNP_P1_57732_13765325	NC_021163.1	Ca_kabuli_chr04	13765325	TT	AA	1940278765
SNP_P1_57733_13765334	NC_021163.1	Ca_kabuli_chr04	13765334	GG	TT	1940278766
SNP_P1_57734_13765373	NC_021163.1	Ca_kabuli_chr04	13765373	AA	GG	1940278768
SNP_P1_57735_13766508	NC_021163.1	Ca_kabuli_chr04	13766508	CC	GG	1940278769
SNP_P1_57736_13766949	NC_021163.1	Ca_kabuli_chr04	13766949	AA	TT	1940278771
SNP_P1_57737_13770000	NC_021163.1	Ca_kabuli_chr04	13770000	GG	CC	1940278772
SNP_P1_57738_13770057	NC_021163.1	Ca_kabuli_chr04	13770057	TT	CC	1940278774
SNP_P1_57739_13770062	NC_021163.1	Ca_kabuli_chr04	13770062	AA	GG	1940278776
SNP_P1_57741_13770481	NC_021163.1	Ca_kabuli_chr04	13770481	TT	CC	1940278777
SNP_P1_57744_13770703	NC_021163.1	Ca_kabuli_chr04	13770703	TT	AA	1940278779
SNP_P1_57745_13770748	NC_021163.1	Ca_kabuli_chr04	13770748	CC	TT	1940278780
SNP_P1_57746_13773570	NC_021163.1	Ca_kabuli_chr04	13773570	AA	GG	1940278782
SNP_P1_57747_13773823	NC_021163.1	Ca_kabuli_chr04	13773823	TT	AA	1940278784
SNP_P1_57748_13774071	NC_021163.1	Ca_kabuli_chr04	13774071	AA	GG	1940278785
SNP_P1_57749_13774509	NC_021163.1	Ca_kabuli_chr04	13774509	TT	CC	1940278787
SNP_P1_57750_13774595	NC_021163.1	Ca_kabuli_chr04	13774595	TT	GG	1940278788
SNP_P1_57751_13774870	NC_021163.1	Ca_kabuli_chr04	13774870	GG	AA	1940278790
SNP_P1_57752_13774871	NC_021163.1	Ca_kabuli_chr04	13774871	TT	CC	1940278792
SNP_P1_57753_13774935	NC_021163.1	Ca_kabuli_chr04	13774935	TT	CC	1940278793
SNP_P1_57754_13774979	NC_021163.1	Ca_kabuli_chr04	13774979	AA	TT	1940278795
SNP_P1_57755_13775087	NC_021163.1	Ca_kabuli_chr04	13775087	TT	GG	1940278796
SNP_P1_57756_13776039	NC_021163.1	Ca_kabuli_chr04	13776039	TT	AA	1940278798

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57759_13776541	NC_021163.1	Ca_kabuli_chr04	13776541	AA	CC	1940278801
SNP_P1_57760_13776626	NC_021163.1	Ca_kabuli_chr04	13776626	GG	AA	1940278803
SNP_P1_57762_13777058	NC_021163.1	Ca_kabuli_chr04	13777058	CC	TT	1940278804
SNP_P1_57763_13777083	NC_021163.1	Ca_kabuli_chr04	13777083	CC	TT	1940278806
SNP_P1_57765_13777828	NC_021163.1	Ca_kabuli_chr04	13777828	TT	AA	1940278808
SNP_P1_57766_13779392	NC_021163.1	Ca_kabuli_chr04	13779392	AA	TT	1940278809
SNP_P1_57767_13779614	NC_021163.1	Ca_kabuli_chr04	13779614	CC	TT	1940278811
SNP_P1_57769_13784651	NC_021163.1	Ca_kabuli_chr04	13784651	GG	CC	1940278812
SNP_P1_57770_13785083	NC_021163.1	Ca_kabuli_chr04	13785083	AA	TT	1940278814
SNP_P1_57771_13785126	NC_021163.1	Ca_kabuli_chr04	13785126	TT	AA	1940278815
SNP_P1_57772_13785371	NC_021163.1	Ca_kabuli_chr04	13785371	TT	CC	1940278817
SNP_P1_57773_13785409	NC_021163.1	Ca_kabuli_chr04	13785409	AA	GG	1940278819
SNP_P1_57774_13787448	NC_021163.1	Ca_kabuli_chr04	13787448	AA	CC	1940278820
SNP_P1_57775_13787770	NC_021163.1	Ca_kabuli_chr04	13787770	AA	CC	1940278822
SNP_P1_57776_13787775	NC_021163.1	Ca_kabuli_chr04	13787775	AA	GG	1940278823
SNP_P1_57777_13788659	NC_021163.1	Ca_kabuli_chr04	13788659	GG	AA	1940278825
SNP_P1_57778_13788862	NC_021163.1	Ca_kabuli_chr04	13788862	GG	AA	1940278827
SNP_P1_57779_13789596	NC_021163.1	Ca_kabuli_chr04	13789596	TT	AA	1940278828
SNP_P1_57780_13789658	NC_021163.1	Ca_kabuli_chr04	13789658	AA	GG	1940278830
SNP_P1_57781_13789662	NC_021163.1	Ca_kabuli_chr04	13789662	AA	TT	1940278832
SNP_P1_57782_13789667	NC_021163.1	Ca_kabuli_chr04	13789667	CC	TT	1940278833
SNP_P1_57783_13790838	NC_021163.1	Ca_kabuli_chr04	13790838	TT	CC	1940278835
SNP_P1_57784_13790911	NC_021163.1	Ca_kabuli_chr04	13790911	GG	AA	1940278836
SNP_P1_57786_13792215	NC_021163.1	Ca_kabuli_chr04	13792215	TT	AA	1940278838
SNP_P1_57788_13792800	NC_021163.1	Ca_kabuli_chr04	13792800	TT	CC	1940278839
SNP_P1_57789_13794040	NC_021163.1	Ca_kabuli_chr04	13794040	TT	AA	1940278841
SNP_P1_57790_13794043	NC_021163.1	Ca_kabuli_chr04	13794043	AA	CC	1940278843
SNP_P1_57791_13794324	NC_021163.1	Ca_kabuli_chr04	13794324	CC	TT	1940278844
SNP_P1_57793_13796125	NC_021163.1	Ca_kabuli_chr04	13796125	GG	AA	1940278846
SNP_P1_57794_13796262	NC_021163.1	Ca_kabuli_chr04	13796262	CC	TT	1940278848
SNP_P1_57795_13798255	NC_021163.1	Ca_kabuli_chr04	13798255	CC	TT	1940278849
SNP_P1_57797_13798755	NC_021163.1	Ca_kabuli_chr04	13798755	TT	GG	1940278851
SNP_P1_57798_13798779	NC_021163.1	Ca_kabuli_chr04	13798779	GG	CC	1940278853
SNP_P1_57799_13799576	NC_021163.1	Ca_kabuli_chr04	13799576	TT	CC	1940278854
SNP_P1_57800_13799746	NC_021163.1	Ca_kabuli_chr04	13799746	CC	TT	1940278856
SNP_P1_57801_13799918	NC_021163.1	Ca_kabuli_chr04	13799918	TT	AA	1940278857
SNP_P1_57802_13799977	NC_021163.1	Ca_kabuli_chr04	13799977	CC	AA	1940278859
SNP_P1_57803_13800614	NC_021163.1	Ca_kabuli_chr04	13800614	CC	AA	1940278860
SNP_P1_57804_13800654	NC_021163.1	Ca_kabuli_chr04	13800654	AA	CC	1940278862
SNP_P1_57805_13803092	NC_021163.1	Ca_kabuli_chr04	13803092	GG	AA	1940278864
SNP_P1_57806_13803376	NC_021163.1	Ca_kabuli_chr04	13803376	CC	GG	1940278865

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57808_13804813	NC_021163.1	Ca_kabuli_chr04	13804813	AA	GG	1940278868
SNP_P1_57809_13805129	NC_021163.1	Ca_kabuli_chr04	13805129	CC	AA	1940278870
SNP_P1_57812_13805681	NC_021163.1	Ca_kabuli_chr04	13805681	GG	TT	1940278872
SNP_P1_57813_13805752	NC_021163.1	Ca_kabuli_chr04	13805752	AA	CC	1940278873
SNP_P1_57814_13805762	NC_021163.1	Ca_kabuli_chr04	13805762	GG	AA	1940278875
SNP_P1_57815_13805788	NC_021163.1	Ca_kabuli_chr04	13805788	GG	AA	1940278876
SNP_P1_57816_13805805	NC_021163.1	Ca_kabuli_chr04	13805805	CC	TT	1940278878
SNP_P1_57817_13805807	NC_021163.1	Ca_kabuli_chr04	13805807	TT	AA	1940278880
SNP_P1_57818_13805818	NC_021163.1	Ca_kabuli_chr04	13805818	GG	AA	1940278881
SNP_P1_57819_13806496	NC_021163.1	Ca_kabuli_chr04	13806496	GG	AA	1940278883
SNP_P1_57820_13807026	NC_021163.1	Ca_kabuli_chr04	13807026	AA	TT	1940278884
SNP_P1_57821_13807275	NC_021163.1	Ca_kabuli_chr04	13807275	AA	CC	1940278886
SNP_P1_57823_13807579	NC_021163.1	Ca_kabuli_chr04	13807579	AA	GG	1940278888
SNP_P1_57824_13807588	NC_021163.1	Ca_kabuli_chr04	13807588	GG	AA	1940278889
SNP_P1_57826_13807686	NC_021163.1	Ca_kabuli_chr04	13807686	CC	TT	1940278891
SNP_P1_57827_13807717	NC_021163.1	Ca_kabuli_chr04	13807717	CC	TT	1940278892
SNP_P1_57828_13807725	NC_021163.1	Ca_kabuli_chr04	13807725	TT	CC	1940278894
SNP_P1_57829_13807820	NC_021163.1	Ca_kabuli_chr04	13807820	CC	TT	1940278896
SNP_P1_57831_13807947	NC_021163.1	Ca_kabuli_chr04	13807947	AA	GG	1940278897
SNP_P1_57832_13808524	NC_021163.1	Ca_kabuli_chr04	13808524	TT	AA	1940278899
SNP_P1_57834_13809174	NC_021163.1	Ca_kabuli_chr04	13809174	AA	GG	1940278900
SNP_P1_57835_13809237	NC_021163.1	Ca_kabuli_chr04	13809237	TT	AA	1940278902
SNP_P1_57836_13809386	NC_021163.1	Ca_kabuli_chr04	13809386	CC	AA	1940278903
SNP_P1_57837_13809534	NC_021163.1	Ca_kabuli_chr04	13809534	CC	TT	1940278905
SNP_P1_57840_13810601	NC_021163.1	Ca_kabuli_chr04	13810601	AA	TT	1940278906
SNP_P1_57841_13810632	NC_021163.1	Ca_kabuli_chr04	13810632	CC	TT	1940278908
SNP_P1_57842_13811410	NC_021163.1	Ca_kabuli_chr04	13811410	GG	AA	1940278910
SNP_P1_57843_13811798	NC_021163.1	Ca_kabuli_chr04	13811798	AA	GG	1940278911
SNP_P1_57844_13812585	NC_021163.1	Ca_kabuli_chr04	13812585	TT	GG	1940278913
SNP_P1_57845_13812619	NC_021163.1	Ca_kabuli_chr04	13812619	AA	GG	1940278914
SNP_P1_57846_13812649	NC_021163.1	Ca_kabuli_chr04	13812649	AA	CC	1940278916
SNP_P1_57847_13812739	NC_021163.1	Ca_kabuli_chr04	13812739	CC	TT	1940278917
SNP_P1_57848_13812751	NC_021163.1	Ca_kabuli_chr04	13812751	TT	CC	1940278919
SNP_P1_57849_13812814	NC_021163.1	Ca_kabuli_chr04	13812814	GG	CC	1940278920
SNP_P1_57850_13812937	NC_021163.1	Ca_kabuli_chr04	13812937	GG	AA	1940278922
SNP_P1_57851_13813018	NC_021163.1	Ca_kabuli_chr04	13813018	GG	AA	1940278923
SNP_P1_57852_13813039	NC_021163.1	Ca_kabuli_chr04	13813039	GG	AA	1940278925
SNP_P1_57853_13814078	NC_021163.1	Ca_kabuli_chr04	13814078	CC	TT	1940278927
SNP_P1_57854_13814095	NC_021163.1	Ca_kabuli_chr04	13814095	CC	TT	1940278928
SNP_P1_57855_13814204	NC_021163.1	Ca_kabuli_chr04	13814204	CC	AA	1940278929
SNP_P1_57856_13814224	NC_021163.1	Ca_kabuli_chr04	13814224	AA	GG	1940278931

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57858_13814535	NC_021163.1	Ca_kabuli_chr04	13814535	GG	CC	1940278934
SNP_P1_57859_13814596	NC_021163.1	Ca_kabuli_chr04	13814596	CC	TT	1940278935
SNP_P1_57860_13814619	NC_021163.1	Ca_kabuli_chr04	13814619	GG	AA	1940278936
SNP_P1_57861_13814856	NC_021163.1	Ca_kabuli_chr04	13814856	AA	TT	1940278938
SNP_P1_57862_13815061	NC_021163.1	Ca_kabuli_chr04	13815061	TT	GG	1940278940
SNP_P1_57863_13815076	NC_021163.1	Ca_kabuli_chr04	13815076	CC	AA	1940278941
SNP_P1_57864_13815420	NC_021163.1	Ca_kabuli_chr04	13815420	TT	CC	1940278943
SNP_P1_57865_13815444	NC_021163.1	Ca_kabuli_chr04	13815444	TT	CC	1940278944
SNP_P1_57866_13815446	NC_021163.1	Ca_kabuli_chr04	13815446	GG	AA	1940278946
SNP_P1_57867_13815467	NC_021163.1	Ca_kabuli_chr04	13815467	CC	AA	1940278948
SNP_P1_57868_13815497	NC_021163.1	Ca_kabuli_chr04	13815497	CC	TT	1940278950
SNP_P1_57869_13816508	NC_021163.1	Ca_kabuli_chr04	13816508	AA	GG	1940278951
SNP_P1_57870_13816515	NC_021163.1	Ca_kabuli_chr04	13816515	CC	TT	1940278953
SNP_P1_57871_13816523	NC_021163.1	Ca_kabuli_chr04	13816523	AA	GG	1940278954
SNP_P1_57872_13816563	NC_021163.1	Ca_kabuli_chr04	13816563	AA	GG	1940278956
SNP_P1_57873_13816588	NC_021163.1	Ca_kabuli_chr04	13816588	AA	CC	1940278958
SNP_P1_57874_13817150	NC_021163.1	Ca_kabuli_chr04	13817150	TT	GG	1940278959
SNP_P1_57875_13817154	NC_021163.1	Ca_kabuli_chr04	13817154	TT	AA	1940278961
SNP_P1_57876_13820104	NC_021163.1	Ca_kabuli_chr04	13820104	TT	CC	1940278962
SNP_P1_57877_13820237	NC_021163.1	Ca_kabuli_chr04	13820237	GG	TT	1940278964
SNP_P1_57878_13820543	NC_021163.1	Ca_kabuli_chr04	13820543	CC	GG	1940278965
SNP_P1_57879_13822196	NC_021163.1	Ca_kabuli_chr04	13822196	CC	TT	1940278967
SNP_P1_57880_13822628	NC_021163.1	Ca_kabuli_chr04	13822628	AA	TT	1940278969
SNP_P1_57881_13824231	NC_021163.1	Ca_kabuli_chr04	13824231	CC	TT	1940278970
SNP_P1_57882_13824711	NC_021163.1	Ca_kabuli_chr04	13824711	GG	AA	1940278972
SNP_P1_57883_13825084	NC_021163.1	Ca_kabuli_chr04	13825084	CC	TT	1940278974
SNP_P1_57884_13825423	NC_021163.1	Ca_kabuli_chr04	13825423	CC	AA	1940278975
SNP_P1_57885_13825451	NC_021163.1	Ca_kabuli_chr04	13825451	GG	AA	1940278977
SNP_P1_57886_13825763	NC_021163.1	Ca_kabuli_chr04	13825763	TT	CC	1940278978
SNP_P1_57887_13826044	NC_021163.1	Ca_kabuli_chr04	13826044	GG	AA	1940278980
SNP_P1_57888_13826091	NC_021163.1	Ca_kabuli_chr04	13826091	CC	TT	1940278981
SNP_P1_57890_13826161	NC_021163.1	Ca_kabuli_chr04	13826161	GG	AA	1940278983
SNP_P1_57891_13826182	NC_021163.1	Ca_kabuli_chr04	13826182	CC	TT	1940278984
SNP_P1_57892_13826378	NC_021163.1	Ca_kabuli_chr04	13826378	CC	TT	1940278986
SNP_P1_57893_13826386	NC_021163.1	Ca_kabuli_chr04	13826386	GG	AA	1940278987
SNP_P1_57895_13826540	NC_021163.1	Ca_kabuli_chr04	13826540	TT	CC	1940278989
SNP_P1_57896_13826561	NC_021163.1	Ca_kabuli_chr04	13826561	GG	AA	1940278990
SNP_P1_57897_13826727	NC_021163.1	Ca_kabuli_chr04	13826727	CC	TT	1940278992
SNP_P1_57898_13826752	NC_021163.1	Ca_kabuli_chr04	13826752	GG	TT	1940278994
SNP_P1_57900_13826922	NC_021163.1	Ca_kabuli_chr04	13826922	TT	AA	1940278995
SNP_P1_57902_13828284	NC_021163.1	Ca_kabuli_chr04	13828284	AA	GG	1940278997

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57904_13829429	NC_021163.1	Ca_kabuli_chr04	13829429	TT	AA	1940279000
SNP_P1_57905_13829438	NC_021163.1	Ca_kabuli_chr04	13829438	GG	AA	1940279001
SNP_P1_57906_13829446	NC_021163.1	Ca_kabuli_chr04	13829446	AA	GG	1940279003
SNP_P1_57908_13829719	NC_021163.1	Ca_kabuli_chr04	13829719	GG	AA	1940279004
SNP_P1_57909_13829811	NC_021163.1	Ca_kabuli_chr04	13829811	TT	GG	1940279006
SNP_P1_57910_13830783	NC_021163.1	Ca_kabuli_chr04	13830783	CC	TT	1940279008
SNP_P1_57911_13830820	NC_021163.1	Ca_kabuli_chr04	13830820	AA	CC	1940279009
SNP_P1_57912_13830978	NC_021163.1	Ca_kabuli_chr04	13830978	GG	AA	1940279011
SNP_P1_57913_13831889	NC_021163.1	Ca_kabuli_chr04	13831889	CC	AA	1940279013
SNP_P1_57914_13831952	NC_021163.1	Ca_kabuli_chr04	13831952	CC	GG	1940279014
SNP_P1_57915_13832613	NC_021163.1	Ca_kabuli_chr04	13832613	TT	CC	1940279016
SNP_P1_57916_13833008	NC_021163.1	Ca_kabuli_chr04	13833008	TT	CC	1940279017
SNP_P1_57918_13834336	NC_021163.1	Ca_kabuli_chr04	13834336	CC	TT	1940279019
SNP_P1_57919_13834375	NC_021163.1	Ca_kabuli_chr04	13834375	AA	CC	1940279021
SNP_P1_57920_13834503	NC_021163.1	Ca_kabuli_chr04	13834503	AA	TT	1940279022
SNP_P1_57921_13834583	NC_021163.1	Ca_kabuli_chr04	13834583	AA	GG	1940279024
SNP_P1_57923_13834804	NC_021163.1	Ca_kabuli_chr04	13834804	TT	CC	1940279025
SNP_P1_57924_13836146	NC_021163.1	Ca_kabuli_chr04	13836146	GG	TT	1940279027
SNP_P1_57925_13836917	NC_021163.1	Ca_kabuli_chr04	13836917	GG	AA	1940279028
SNP_P1_57927_13840191	NC_021163.1	Ca_kabuli_chr04	13840191	TT	AA	1940279030
SNP_P1_57928_13840227	NC_021163.1	Ca_kabuli_chr04	13840227	CC	AA	1940279032
SNP_P1_57929_13843531	NC_021163.1	Ca_kabuli_chr04	13843531	TT	AA	1940279033
SNP_P1_57930_13845362	NC_021163.1	Ca_kabuli_chr04	13845362	AA	GG	1940279035
SNP_P1_57931_13846093	NC_021163.1	Ca_kabuli_chr04	13846093	AA	GG	1940279036
SNP_P1_57932_13846564	NC_021163.1	Ca_kabuli_chr04	13846564	TT	AA	1940279038
SNP_P1_57933_13846717	NC_021163.1	Ca_kabuli_chr04	13846717	GG	AA	1940279040
SNP_P1_57934_13846775	NC_021163.1	Ca_kabuli_chr04	13846775	CC	AA	1940279041
SNP_P1_57935_13846790	NC_021163.1	Ca_kabuli_chr04	13846790	AA	GG	1940279043
SNP_P1_57936_13846814	NC_021163.1	Ca_kabuli_chr04	13846814	GG	AA	1940279044
SNP_P1_57937_13846820	NC_021163.1	Ca_kabuli_chr04	13846820	TT	GG	1940279046
SNP_P1_57938_13846834	NC_021163.1	Ca_kabuli_chr04	13846834	GG	TT	1940279047
SNP_P1_57939_13846929	NC_021163.1	Ca_kabuli_chr04	13846929	AA	CC	1940279049
SNP_P1_57940_13846973	NC_021163.1	Ca_kabuli_chr04	13846973	AA	CC	1940279050
SNP_P1_57941_13846991	NC_021163.1	Ca_kabuli_chr04	13846991	GG	AA	1940279052
SNP_P1_57942_13847234	NC_021163.1	Ca_kabuli_chr04	13847234	CC	AA	1940279054
SNP_P1_57943_13847263	NC_021163.1	Ca_kabuli_chr04	13847263	AA	TT	1940279055
SNP_P1_57944_13847569	NC_021163.1	Ca_kabuli_chr04	13847569	TT	AA	1940279057
SNP_P1_57945_13847610	NC_021163.1	Ca_kabuli_chr04	13847610	TT	GG	1940279058
SNP_P1_57946_13848069	NC_021163.1	Ca_kabuli_chr04	13848069	AA	GG	1940279060
SNP_P1_57947_13848094	NC_021163.1	Ca_kabuli_chr04	13848094	CC	AA	1940279062
SNP_P1_57948_13848099	NC_021163.1	Ca_kabuli_chr04	13848099	TT	CC	1940279063

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57951_13848566	NC_021163.1	Ca_kabuli_chr04	13848566	CC	TT	1940279068
SNP_P1_57952_13849604	NC_021163.1	Ca_kabuli_chr04	13849604	TT	AA	1940279070
SNP_P1_57953_13850231	NC_021163.1	Ca_kabuli_chr04	13850231	GG	AA	1940279071
SNP_P1_57955_13851248	NC_021163.1	Ca_kabuli_chr04	13851248	AA	TT	1940279073
SNP_P1_57956_13851257	NC_021163.1	Ca_kabuli_chr04	13851257	TT	AA	1940279074
SNP_P1_57957_13851457	NC_021163.1	Ca_kabuli_chr04	13851457	AA	TT	1940279076
SNP_P1_57959_13851537	NC_021163.1	Ca_kabuli_chr04	13851537	AA	CC	1940279077
SNP_P1_57960_13851544	NC_021163.1	Ca_kabuli_chr04	13851544	CC	TT	1940279079
SNP_P1_57961_13853196	NC_021163.1	Ca_kabuli_chr04	13853196	GG	AA	1940279080
SNP_P1_57962_13853735	NC_021163.1	Ca_kabuli_chr04	13853735	GG	AA	1940279082
SNP_P1_57963_13853747	NC_021163.1	Ca_kabuli_chr04	13853747	CC	GG	1940279083
SNP_P1_57964_13853954	NC_021163.1	Ca_kabuli_chr04	13853954	CC	AA	1940279085
SNP_P1_57965_13854044	NC_021163.1	Ca_kabuli_chr04	13854044	AA	GG	1940279086
SNP_P1_57966_13854187	NC_021163.1	Ca_kabuli_chr04	13854187	CC	TT	1940279088
SNP_P1_57967_13854194	NC_021163.1	Ca_kabuli_chr04	13854194	AA	GG	1940279090
SNP_P1_57968_13854207	NC_021163.1	Ca_kabuli_chr04	13854207	CC	TT	1940279091
SNP_P1_57969_13854219	NC_021163.1	Ca_kabuli_chr04	13854219	AA	TT	1940279093
SNP_P1_57970_13854221	NC_021163.1	Ca_kabuli_chr04	13854221	GG	TT	1940279094
SNP_P1_57971_13854455	NC_021163.1	Ca_kabuli_chr04	13854455	TT	GG	1940279096
SNP_P1_57972_13854462	NC_021163.1	Ca_kabuli_chr04	13854462	AA	GG	1940279097
SNP_P1_57973_13855734	NC_021163.1	Ca_kabuli_chr04	13855734	CC	TT	1940279099
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SNP_P1_57976_13856431	NC_021163.1	Ca_kabuli_chr04	13856431	AA	CC	1940279104
SNP_P1_57977_13857089	NC_021163.1	Ca_kabuli_chr04	13857089	AA	GG	1940279106
SNP_P1_57978_13857453	NC_021163.1	Ca_kabuli_chr04	13857453	GG	TT	1940279107
SNP_P1_57979_13858089	NC_021163.1	Ca_kabuli_chr04	13858089	TT	CC	1940279109
SNP_P1_57980_13858097	NC_021163.1	Ca_kabuli_chr04	13858097	AA	TT	1940279110
SNP_P1_57981_13858457	NC_021163.1	Ca_kabuli_chr04	13858457	GG	AA	1940279112
SNP_P1_57982_13860169	NC_021163.1	Ca_kabuli_chr04	13860169	TT	AA	1940279114
SNP_P1_57983_13860811	NC_021163.1	Ca_kabuli_chr04	13860811	GG	CC	1940279116
SNP_P1_57984_13861131	NC_021163.1	Ca_kabuli_chr04	13861131	TT	GG	1940279117
SNP_P1_57985_13861136	NC_021163.1	Ca_kabuli_chr04	13861136	GG	AA	1940279119
SNP_P1_57987_13862292	NC_021163.1	Ca_kabuli_chr04	13862292	AA	TT	1940279120
SNP_P1_57988_13862361	NC_021163.1	Ca_kabuli_chr04	13862361	TT	AA	1940279122
SNP_P1_57989_13862362	NC_021163.1	Ca_kabuli_chr04	13862362	TT	AA	1940279124
SNP_P1_57990_13862535	NC_021163.1	Ca_kabuli_chr04	13862535	CC	AA	1940279125
SNP_P1_57991_13862537	NC_021163.1	Ca_kabuli_chr04	13862537	TT	GG	1940279127
SNP_P1_57992_13862544	NC_021163.1	Ca_kabuli_chr04	13862544	AA	GG	1940279128
SNP_P1_57993_13862560	NC_021163.1	Ca_kabuli_chr04	13862560	CC	TT	1940279130

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_57996_13862609	NC_021163.1	Ca_kabuli_chr04	13862609	TT	CC	1940279135
SNP_P1_57997_13862620	NC_021163.1	Ca_kabuli_chr04	13862620	AA	GG	1940279136
SNP_P1_57998_13863684	NC_021163.1	Ca_kabuli_chr04	13863684	GG	TT	1940279138
SNP_P1_57999_13863687	NC_021163.1	Ca_kabuli_chr04	13863687	AA	CC	1940279140
SNP_P1_58000_13863689	NC_021163.1	Ca_kabuli_chr04	13863689	TT	GG	1940279141
SNP_P1_58001_13864032	NC_021163.1	Ca_kabuli_chr04	13864032	AA	GG	1940279143
SNP_P1_58002_13864034	NC_021163.1	Ca_kabuli_chr04	13864034	AA	GG	1940279144
SNP_P1_58003_13864038	NC_021163.1	Ca_kabuli_chr04	13864038	CC	TT	1940279146
SNP_P1_58004_13864044	NC_021163.1	Ca_kabuli_chr04	13864044	GG	AA	1940279147
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SNP_P1_58006_13864288	NC_021163.1	Ca_kabuli_chr04	13864288	CC	TT	1940279151
SNP_P1_58007_13864849	NC_021163.1	Ca_kabuli_chr04	13864849	GG	AA	1940279152
SNP_P1_58008_13864883	NC_021163.1	Ca_kabuli_chr04	13864883	TT	AA	1940279154
SNP_P1_58009_13864963	NC_021163.1	Ca_kabuli_chr04	13864963	TT	AA	1940279156
SNP_P1_58010_13865164	NC_021163.1	Ca_kabuli_chr04	13865164	CC	TT	1940279157
SNP_P1_58011_13865179	NC_021163.1	Ca_kabuli_chr04	13865179	TT	CC	1940279159
SNP_P1_58012_13865354	NC_021163.1	Ca_kabuli_chr04	13865354	CC	TT	1940279160
SNP_P1_58013_13865474	NC_021163.1	Ca_kabuli_chr04	13865474	AA	TT	1940279162
SNP_P1_58015_13866165	NC_021163.1	Ca_kabuli_chr04	13866165	CC	AA	1940279164
SNP_P1_58017_13866985	NC_021163.1	Ca_kabuli_chr04	13866985	AA	TT	1940279165
SNP_P1_58021_13908798	NC_021163.1	Ca_kabuli_chr04	13908798	GG	AA	1940279167
SNP_P1_58022_13908943	NC_021163.1	Ca_kabuli_chr04	13908943	AA	GG	1940279168
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SNP_P1_58024_13909246	NC_021163.1	Ca_kabuli_chr04	13909246	CC	TT	1940279172
SNP_P1_58028_13911299	NC_021163.1	Ca_kabuli_chr04	13911299	TT	CC	1940279174
SNP_P1_58030_13912327	NC_021163.1	Ca_kabuli_chr04	13912327	AA	GG	1940279175
SNP_P1_58031_13917600	NC_021163.1	Ca_kabuli_chr04	13917600	TT	GG	1940279177
SNP_P1_58032_13930922	NC_021163.1	Ca_kabuli_chr04	13930922	AA	GG	1940279178
SNP_P1_58033_13946266	NC_021163.1	Ca_kabuli_chr04	13946266	CC	TT	1940279180
SNP_P1_58034_13962641	NC_021163.1	Ca_kabuli_chr04	13962641	TT	GG	1940279182
SNP_P1_58035_13962644	NC_021163.1	Ca_kabuli_chr04	13962644	AA	GG	1940279183
SNP_P1_58040_14015736	NC_021163.1	Ca_kabuli_chr04	14015736	TT	CC	1940279185
SNP_P1_58041_14085762	NC_021163.1	Ca_kabuli_chr04	14085762	CC	TT	1940279186
SNP_P1_58042_14101844	NC_021163.1	Ca_kabuli_chr04	14101844	GG	AA	1940279188
SNP_P1_58043_14108091	NC_021163.1	Ca_kabuli_chr04	14108091	AA	TT	1940279189
SNP_P1_58044_14111779	NC_021163.1	Ca_kabuli_chr04	14111779	AA	CC	1940279191
SNP_P1_58045_14117334	NC_021163.1	Ca_kabuli_chr04	14117334	GG	AA	1940279193
SNP_P1_58046_14120727	NC_021163.1	Ca_kabuli_chr04	14120727	GG	AA	1940279194
SNP_P1_58047_14120730	NC_021163.1	Ca_kabuli_chr04	14120730	TT	CC	1940279196
SNP_P1_58048_14137014	NC_021163.1	Ca_kabuli_chr04	14137014	TT	CC	1940279197

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58051_14158660	NC_021163.1	Ca_kabuli_chr04	14158660	GG	AA	1940279202
SNP_P1_58052_14159448	NC_021163.1	Ca_kabuli_chr04	14159448	CC	TT	1940279204
SNP_P1_58054_14194783	NC_021163.1	Ca_kabuli_chr04	14194783	GG	TT	1940279205
SNP_P1_58056_14205049	NC_021163.1	Ca_kabuli_chr04	14205049	TT	AA	1940279207
SNP_P1_58057_14205054	NC_021163.1	Ca_kabuli_chr04	14205054	AA	CC	1940279209
SNP_P1_58058_14205427	NC_021163.1	Ca_kabuli_chr04	14205427	AA	CC	1940279210
SNP_P1_58059_14205449	NC_021163.1	Ca_kabuli_chr04	14205449	GG	AA	1940279212
SNP_P1_58060_14213314	NC_021163.1	Ca_kabuli_chr04	14213314	GG	AA	1940279213
SNP_P1_58061_14213356	NC_021163.1	Ca_kabuli_chr04	14213356	AA	GG	1940279215
SNP_P1_58062_14221691	NC_021163.1	Ca_kabuli_chr04	14221691	TT	GG	1940279217
SNP_P1_58064_14251395	NC_021163.1	Ca_kabuli_chr04	14251395	TT	CC	1940279218
SNP_P1_58065_14260354	NC_021163.1	Ca_kabuli_chr04	14260354	TT	CC	1940279220
SNP_P1_58066_14260372	NC_021163.1	Ca_kabuli_chr04	14260372	TT	AA	1940279221
SNP_P1_58067_14260563	NC_021163.1	Ca_kabuli_chr04	14260563	AA	CC	1940279223
SNP_P1_58068_14260581	NC_021163.1	Ca_kabuli_chr04	14260581	AA	GG	1940279225
SNP_P1_58069_14260607	NC_021163.1	Ca_kabuli_chr04	14260607	GG	AA	1940279226
SNP_P1_58070_14271489	NC_021163.1	Ca_kabuli_chr04	14271489	TT	AA	1940279228
SNP_P1_58071_14271531	NC_021163.1	Ca_kabuli_chr04	14271531	TT	CC	1940279229
SNP_P1_58072_14271579	NC_021163.1	Ca_kabuli_chr04	14271579	TT	CC	1940279231
SNP_P1_58073_14271954	NC_021163.1	Ca_kabuli_chr04	14271954	TT	CC	1940279232
SNP_P1_58074_14271960	NC_021163.1	Ca_kabuli_chr04	14271960	AA	CC	1940279234
SNP_P1_58075_14271967	NC_021163.1	Ca_kabuli_chr04	14271967	CC	AA	1940279236
SNP_P1_58076_14271975	NC_021163.1	Ca_kabuli_chr04	14271975	CC	AA	1940279237
SNP_P1_58077_14297414	NC_021163.1	Ca_kabuli_chr04	14297414	CC	TT	1940279239
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SNP_P1_58081_14329783	NC_021163.1	Ca_kabuli_chr04	14329783	GG	AA	1940279245
SNP_P1_58082_14329853	NC_021163.1	Ca_kabuli_chr04	14329853	AA	GG	1940279247
SNP_P1_58083_14329858	NC_021163.1	Ca_kabuli_chr04	14329858	CC	GG	1940279249
SNP_P1_58084_14329863	NC_021163.1	Ca_kabuli_chr04	14329863	TT	CC	1940279250
SNP_P1_58085_14329884	NC_021163.1	Ca_kabuli_chr04	14329884	AA	GG	1940279252
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SNP_P1_58087_14329999	NC_021163.1	Ca_kabuli_chr04	14329999	AA	GG	1940279255
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SNP_P1_58092_14330757	NC_021163.1	Ca_kabuli_chr04	14330757	GG	TT	1940279263
SNP_P1_58093_14354562	NC_021163.1	Ca_kabuli_chr04	14354562	AA	CC	1940279264

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58096_14359799	NC_021163.1	Ca_kabuli_chr04	14359799	TT	CC	1940279269
SNP_P1_58097_14383445	NC_021163.1	Ca_kabuli_chr04	14383445	AA	GG	1940279271
SNP_P1_58098_14383483	NC_021163.1	Ca_kabuli_chr04	14383483	AA	CC	1940279273
SNP_P1_58099_14384913	NC_021163.1	Ca_kabuli_chr04	14384913	CC	TT	1940279274
SNP_P1_58100_14392425	NC_021163.1	Ca_kabuli_chr04	14392425	GG	AA	1940279276
SNP_P1_58101_14392645	NC_021163.1	Ca_kabuli_chr04	14392645	AA	TT	1940279277
SNP_P1_58102_14392669	NC_021163.1	Ca_kabuli_chr04	14392669	AA	GG	1940279279
SNP_P1_58103_14392703	NC_021163.1	Ca_kabuli_chr04	14392703	AA	GG	1940279281
SNP_P1_58104_14392721	NC_021163.1	Ca_kabuli_chr04	14392721	TT	GG	1940279282
SNP_P1_58105_14392747	NC_021163.1	Ca_kabuli_chr04	14392747	CC	TT	1940279284
SNP_P1_58109_14397378	NC_021163.1	Ca_kabuli_chr04	14397378	TT	CC	1940279285
SNP_P1_58110_14397425	NC_021163.1	Ca_kabuli_chr04	14397425	AA	GG	1940279287
SNP_P1_58111_14397507	NC_021163.1	Ca_kabuli_chr04	14397507	AA	CC	1940279289
SNP_P1_58112_14397570	NC_021163.1	Ca_kabuli_chr04	14397570	GG	AA	1940279290
SNP_P1_58113_14397591	NC_021163.1	Ca_kabuli_chr04	14397591	CC	TT	1940279292
SNP_P1_58114_14397628	NC_021163.1	Ca_kabuli_chr04	14397628	CC	TT	1940279293
SNP_P1_58115_14398049	NC_021163.1	Ca_kabuli_chr04	14398049	TT	CC	1940279295
SNP_P1_58116_14398322	NC_021163.1	Ca_kabuli_chr04	14398322	CC	GG	1940279297
SNP_P1_58117_14399173	NC_021163.1	Ca_kabuli_chr04	14399173	TT	CC	1940279298
SNP_P1_58118_14399444	NC_021163.1	Ca_kabuli_chr04	14399444	TT	GG	1940279300
SNP_P1_58119_14405470	NC_021163.1	Ca_kabuli_chr04	14405470	TT	CC	1940279301
SNP_P1_58120_14405471	NC_021163.1	Ca_kabuli_chr04	14405471	TT	GG	1940279303
SNP_P1_58121_14405509	NC_021163.1	Ca_kabuli_chr04	14405509	CC	TT	1940279304
SNP_P1_58122_14405514	NC_021163.1	Ca_kabuli_chr04	14405514	TT	GG	1940279306
SNP_P1_58123_14405577	NC_021163.1	Ca_kabuli_chr04	14405577	AA	GG	1940279307
SNP_P1_58124_14405593	NC_021163.1	Ca_kabuli_chr04	14405593	GG	TT	1940279309
SNP_P1_58125_14405603	NC_021163.1	Ca_kabuli_chr04	14405603	AA	TT	1940279311
SNP_P1_58127_14405699	NC_021163.1	Ca_kabuli_chr04	14405699	GG	TT	1940279312
SNP_P1_58128_14405707	NC_021163.1	Ca_kabuli_chr04	14405707	CC	TT	1940279314
SNP_P1_58129_14405722	NC_021163.1	Ca_kabuli_chr04	14405722	GG	AA	1940279316
SNP_P1_58131_14405819	NC_021163.1	Ca_kabuli_chr04	14405819	AA	GG	1940279318
SNP_P1_58132_14405826	NC_021163.1	Ca_kabuli_chr04	14405826	CC	TT	1940279319
SNP_P1_58133_14405834	NC_021163.1	Ca_kabuli_chr04	14405834	TT	CC	1940279321
SNP_P1_58134_14405862	NC_021163.1	Ca_kabuli_chr04	14405862	GG	AA	1940279323
SNP_P1_58135_14405865	NC_021163.1	Ca_kabuli_chr04	14405865	GG	CC	1940279324
SNP_P1_58136_14406021	NC_021163.1	Ca_kabuli_chr04	14406021	AA	TT	1940279326
SNP_P1_58138_14406059	NC_021163.1	Ca_kabuli_chr04	14406059	TT	AA	1940279327
SNP_P1_58139_14406071	NC_021163.1	Ca_kabuli_chr04	14406071	TT	CC	1940279329
SNP_P1_58140_14406085	NC_021163.1	Ca_kabuli_chr04	14406085	AA	TT	1940279330
SNP_P1_58141_14406101	NC_021163.1	Ca_kabuli_chr04	14406101	TT	CC	1940279332

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58144_14406143	NC_021163.1	Ca_kabuli_chr04	14406143	TT	GG	1940279335
SNP_P1_58145_14406166	NC_021163.1	Ca_kabuli_chr04	14406166	GG	AA	1940279337
SNP_P1_58146_14406185	NC_021163.1	Ca_kabuli_chr04	14406185	GG	AA	1940279339
SNP_P1_58147_14406220	NC_021163.1	Ca_kabuli_chr04	14406220	AA	TT	1940279340
SNP_P1_58148_14406221	NC_021163.1	Ca_kabuli_chr04	14406221	GG	AA	1940279342
SNP_P1_58149_14406243	NC_021163.1	Ca_kabuli_chr04	14406243	GG	AA	1940279343
SNP_P1_58150_14406276	NC_021163.1	Ca_kabuli_chr04	14406276	TT	AA	1940279345
SNP_P1_58151_14406277	NC_021163.1	Ca_kabuli_chr04	14406277	CC	GG	1940279347
SNP_P1_58152_14406348	NC_021163.1	Ca_kabuli_chr04	14406348	TT	GG	1940279348
SNP_P1_58153_14406395	NC_021163.1	Ca_kabuli_chr04	14406395	TT	AA	1940279350
SNP_P1_58154_14406422	NC_021163.1	Ca_kabuli_chr04	14406422	AA	CC	1940279351
SNP_P1_58155_14406528	NC_021163.1	Ca_kabuli_chr04	14406528	CC	TT	1940279353
SNP_P1_58156_14407117	NC_021163.1	Ca_kabuli_chr04	14407117	CC	AA	1940279355
SNP_P1_58157_14407154	NC_021163.1	Ca_kabuli_chr04	14407154	AA	CC	1940279356
SNP_P1_58158_14407155	NC_021163.1	Ca_kabuli_chr04	14407155	TT	AA	1940279358
SNP_P1_58160_14421613	NC_021163.1	Ca_kabuli_chr04	14421613	TT	AA	1940279359
SNP_P1_58161_14421622	NC_021163.1	Ca_kabuli_chr04	14421622	AA	TT	1940279361
SNP_P1_58162_14421887	NC_021163.1	Ca_kabuli_chr04	14421887	AA	GG	1940279362
SNP_P1_58163_14422154	NC_021163.1	Ca_kabuli_chr04	14422154	AA	TT	1940279364
SNP_P1_58164_14422166	NC_021163.1	Ca_kabuli_chr04	14422166	TT	CC	1940279366
SNP_P1_58165_14422183	NC_021163.1	Ca_kabuli_chr04	14422183	CC	GG	1940279367
SNP_P1_58166_14422218	NC_021163.1	Ca_kabuli_chr04	14422218	CC	TT	1940279369
SNP_P1_58167_14423894	NC_021163.1	Ca_kabuli_chr04	14423894	TT	GG	1940279370
SNP_P1_58168_14451960	NC_021163.1	Ca_kabuli_chr04	14451960	GG	AA	1940279372
SNP_P1_58169_14473361	NC_021163.1	Ca_kabuli_chr04	14473361	TT	GG	1940279373
SNP_P1_58171_14491093	NC_021163.1	Ca_kabuli_chr04	14491093	AA	CC	1940279375
SNP_P1_58172_14491603	NC_021163.1	Ca_kabuli_chr04	14491603	AA	TT	1940279377
SNP_P1_58173_14491604	NC_021163.1	Ca_kabuli_chr04	14491604	CC	AA	1940279378
SNP_P1_58174_14491605	NC_021163.1	Ca_kabuli_chr04	14491605	TT	CC	1940279380
SNP_P1_58175_14491627	NC_021163.1	Ca_kabuli_chr04	14491627	CC	TT	1940279382
SNP_P1_58176_14491645	NC_021163.1	Ca_kabuli_chr04	14491645	GG	AA	1940279384
SNP_P1_58177_14556368	NC_021163.1	Ca_kabuli_chr04	14556368	CC	AA	1940279386
SNP_P1_58178_14556421	NC_021163.1	Ca_kabuli_chr04	14556421	TT	GG	1940279387
SNP_P1_58179_14556477	NC_021163.1	Ca_kabuli_chr04	14556477	TT	CC	1940279389
SNP_P1_58180_14556489	NC_021163.1	Ca_kabuli_chr04	14556489	AA	GG	1940279391
SNP_P1_58181_14558233	NC_021163.1	Ca_kabuli_chr04	14558233	GG	AA	1940279392
SNP_P1_58182_14598016	NC_021163.1	Ca_kabuli_chr04	14598016	TT	GG	1940279394
SNP_P1_58183_14616489	NC_021163.1	Ca_kabuli_chr04	14616489	CC	AA	1940279395
SNP_P1_58185_14620234	NC_021163.1	Ca_kabuli_chr04	14620234	GG	TT	1940279397
SNP_P1_58187_14630544	NC_021163.1	Ca_kabuli_chr04	14630544	TT	CC	1940279399
SNP_P1_58188_14630548	NC_021163.1	Ca_kabuli_chr04	14630548	AA	CC	1940279400

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58190_14651309	NC_021163.1	Ca_kabuli_chr04	14651309	AA	GG	1940279403
SNP_P1_58191_14651315	NC_021163.1	Ca_kabuli_chr04	14651315	AA	GG	1940279405
SNP_P1_58193_14652494	NC_021163.1	Ca_kabuli_chr04	14652494	AA	GG	1940279407
SNP_P1_58197_14772296	NC_021163.1	Ca_kabuli_chr04	14772296	TT	AA	1940279408
SNP_P1_58198_14793944	NC_021163.1	Ca_kabuli_chr04	14793944	GG	AA	1940279410
SNP_P1_58199_14793989	NC_021163.1	Ca_kabuli_chr04	14793989	TT	AA	1940279411
SNP_P1_58200_14794020	NC_021163.1	Ca_kabuli_chr04	14794020	TT	CC	1940279413
SNP_P1_58201_14794101	NC_021163.1	Ca_kabuli_chr04	14794101	AA	GG	1940279415
SNP_P1_58202_14794117	NC_021163.1	Ca_kabuli_chr04	14794117	AA	GG	1940279416
SNP_P1_58204_14811745	NC_021163.1	Ca_kabuli_chr04	14811745	TT	CC	1940279418
SNP_P1_58205_14814071	NC_021163.1	Ca_kabuli_chr04	14814071	AA	TT	1940279419
SNP_P1_58206_14839359	NC_021163.1	Ca_kabuli_chr04	14839359	AA	GG	1940279421
SNP_P1_58207_14846175	NC_021163.1	Ca_kabuli_chr04	14846175	TT	CC	1940279422
SNP_P1_58208_14860899	NC_021163.1	Ca_kabuli_chr04	14860899	GG	TT	1940279424
SNP_P1_58209_14867245	NC_021163.1	Ca_kabuli_chr04	14867245	TT	CC	1940279426
SNP_P1_58210_14867416	NC_021163.1	Ca_kabuli_chr04	14867416	TT	CC	1940279427
SNP_P1_58211_14911719	NC_021163.1	Ca_kabuli_chr04	14911719	TT	AA	1940279429
SNP_P1_58212_14911774	NC_021163.1	Ca_kabuli_chr04	14911774	CC	AA	1940279430
SNP_P1_58213_14911845	NC_021163.1	Ca_kabuli_chr04	14911845	AA	CC	1940279432
SNP_P1_58214_14932634	NC_021163.1	Ca_kabuli_chr04	14932634	TT	CC	1940279433
SNP_P1_58215_14932690	NC_021163.1	Ca_kabuli_chr04	14932690	AA	GG	1940279435
SNP_P1_58216_14932825	NC_021163.1	Ca_kabuli_chr04	14932825	CC	TT	1940279436
SNP_P1_58217_14932838	NC_021163.1	Ca_kabuli_chr04	14932838	CC	AA	1940279438
SNP_P1_58219_14933063	NC_021163.1	Ca_kabuli_chr04	14933063	AA	GG	1940279439
SNP_P1_58220_14933118	NC_021163.1	Ca_kabuli_chr04	14933118	GG	TT	1940279441
SNP_P1_58221_14933187	NC_021163.1	Ca_kabuli_chr04	14933187	TT	CC	1940279442
SNP_P1_58222_14939010	NC_021163.1	Ca_kabuli_chr04	14939010	AA	TT	1940279444
SNP_P1_58223_14939011	NC_021163.1	Ca_kabuli_chr04	14939011	AA	TT	1940279445
SNP_P1_58224_14940221	NC_021163.1	Ca_kabuli_chr04	14940221	TT	CC	1940279447
SNP_P1_58227_14997210	NC_021163.1	Ca_kabuli_chr04	14997210	GG	CC	1940279449
SNP_P1_58228_14999768	NC_021163.1	Ca_kabuli_chr04	14999768	CC	TT	1940279450
SNP_P1_58229_14999871	NC_021163.1	Ca_kabuli_chr04	14999871	GG	TT	1940279452
SNP_P1_58230_14999877	NC_021163.1	Ca_kabuli_chr04	14999877	GG	AA	1940279453
SNP_P1_58231_14999899	NC_021163.1	Ca_kabuli_chr04	14999899	TT	CC	1940279455
SNP_P1_58232_14999994	NC_021163.1	Ca_kabuli_chr04	14999994	TT	CC	1940279457
SNP_P1_58233_15000025	NC_021163.1	Ca_kabuli_chr04	15000025	CC	AA	1940279458
SNP_P1_58234_15000054	NC_021163.1	Ca_kabuli_chr04	15000054	TT	AA	1940279460
SNP_P1_58235_15000059	NC_021163.1	Ca_kabuli_chr04	15000059	AA	TT	1940279461
SNP_P1_58236_15000076	NC_021163.1	Ca_kabuli_chr04	15000076	CC	AA	1940279463
SNP_P1_58237_15000079	NC_021163.1	Ca_kabuli_chr04	15000079	AA	CC	1940279464
SNP_P1_58238_15000240	NC_021163.1	Ca_kabuli_chr04	15000240	AA	GG	1940279466

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58240_15004759	NC_021163.1	Ca_kabuli_chr04	15004759	TT	GG	1940279469
SNP_P1_58241_15004797	NC_021163.1	Ca_kabuli_chr04	15004797	TT	CC	1940279471
SNP_P1_58242_15004851	NC_021163.1	Ca_kabuli_chr04	15004851	GG	TT	1940279472
SNP_P1_58243_15004852	NC_021163.1	Ca_kabuli_chr04	15004852	TT	GG	1940279474
SNP_P1_58244_15004920	NC_021163.1	Ca_kabuli_chr04	15004920	AA	GG	1940279475
SNP_P1_58245_15005007	NC_021163.1	Ca_kabuli_chr04	15005007	CC	AA	1940279477
SNP_P1_58246_15005022	NC_021163.1	Ca_kabuli_chr04	15005022	AA	GG	1940279479
SNP_P1_58247_15005027	NC_021163.1	Ca_kabuli_chr04	15005027	TT	CC	1940279480
SNP_P1_58248_15012536	NC_021163.1	Ca_kabuli_chr04	15012536	AA	GG	1940279482
SNP_P1_58250_15013576	NC_021163.1	Ca_kabuli_chr04	15013576	TT	CC	1940279483
SNP_P1_58251_15018038	NC_021163.1	Ca_kabuli_chr04	15018038	TT	GG	1940279485
SNP_P1_58252_15018611	NC_021163.1	Ca_kabuli_chr04	15018611	CC	GG	1940279487
SNP_P1_58256_15046083	NC_021163.1	Ca_kabuli_chr04	15046083	AA	GG	1940279488
SNP_P1_58257_15048106	NC_021163.1	Ca_kabuli_chr04	15048106	TT	AA	1940279490
SNP_P1_58258_15048121	NC_021163.1	Ca_kabuli_chr04	15048121	AA	CC	1940279492
SNP_P1_58259_15048137	NC_021163.1	Ca_kabuli_chr04	15048137	AA	TT	1940279493
SNP_P1_58260_15048142	NC_021163.1	Ca_kabuli_chr04	15048142	AA	CC	1940279495
SNP_P1_58262_15048218	NC_021163.1	Ca_kabuli_chr04	15048218	TT	AA	1940279496
SNP_P1_58263_15056640	NC_021163.1	Ca_kabuli_chr04	15056640	TT	AA	1940279498
SNP_P1_58264_15056944	NC_021163.1	Ca_kabuli_chr04	15056944	GG	AA	1940279499
SNP_P1_58265_15060804	NC_021163.1	Ca_kabuli_chr04	15060804	GG	AA	1940279501
SNP_P1_58266_15080965	NC_021163.1	Ca_kabuli_chr04	15080965	CC	TT	1940279503
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SNP_P1_58268_15081007	NC_021163.1	Ca_kabuli_chr04	15081007	CC	TT	1940279506
SNP_P1_58269_15081062	NC_021163.1	Ca_kabuli_chr04	15081062	TT	AA	1940279507
SNP_P1_58270_15081144	NC_021163.1	Ca_kabuli_chr04	15081144	GG	TT	1940279509
SNP_P1_58271_15095608	NC_021163.1	Ca_kabuli_chr04	15095608	AA	TT	1940279510
SNP_P1_58272_15118226	NC_021163.1	Ca_kabuli_chr04	15118226	TT	CC	1940279512
SNP_P1_58273_15118538	NC_021163.1	Ca_kabuli_chr04	15118538	CC	TT	1940279513
SNP_P1_58274_15118778	NC_021163.1	Ca_kabuli_chr04	15118778	AA	TT	1940279515
SNP_P1_58275_15119207	NC_021163.1	Ca_kabuli_chr04	15119207	TT	GG	1940279517
SNP_P1_58276_15120237	NC_021163.1	Ca_kabuli_chr04	15120237	CC	TT	1940279518
SNP_P1_58279_15153847	NC_021163.1	Ca_kabuli_chr04	15153847	CC	TT	1940279520
SNP_P1_58280_15162841	NC_021163.1	Ca_kabuli_chr04	15162841	CC	TT	1940279521
SNP_P1_58282_15170782	NC_021163.1	Ca_kabuli_chr04	15170782	AA	GG	1940279523
SNP_P1_58283_15170850	NC_021163.1	Ca_kabuli_chr04	15170850	CC	TT	1940279524
SNP_P1_58284_15181183	NC_021163.1	Ca_kabuli_chr04	15181183	AA	GG	1940279526
SNP_P1_58285_15208564	NC_021163.1	Ca_kabuli_chr04	15208564	AA	GG	1940279527
SNP_P1_58286_15208578	NC_021163.1	Ca_kabuli_chr04	15208578	AA	TT	1940279529
SNP_P1_58287_15208600	NC_021163.1	Ca_kabuli_chr04	15208600	CC	GG	1940279531
SNP_P1_58288_15212771	NC_021163.1	Ca_kabuli_chr04	15212771	CC	AA	1940279532

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58293_15231362	NC_021163.1	Ca_kabuli_chr04	15231362	TT	AA	1940279537
SNP_P1_58294_15234280	NC_021163.1	Ca_kabuli_chr04	15234280	AA	TT	1940279538
SNP_P1_58295_15241807	NC_021163.1	Ca_kabuli_chr04	15241807	CC	GG	1940279540
SNP_P1_58297_15252476	NC_021163.1	Ca_kabuli_chr04	15252476	GG	AA	1940279542
SNP_P1_58299_15256000	NC_021163.1	Ca_kabuli_chr04	15256000	GG	AA	1940279543
SNP_P1_58300_15265863	NC_021163.1	Ca_kabuli_chr04	15265863	CC	TT	1940279545
SNP_P1_58303_15292097	NC_021163.1	Ca_kabuli_chr04	15292097	AA	GG	1940279546
SNP_P1_58304_15329481	NC_021163.1	Ca_kabuli_chr04	15329481	AA	GG	1940279548
SNP_P1_58305_15329948	NC_021163.1	Ca_kabuli_chr04	15329948	GG	TT	1940279549
SNP_P1_58306_15330046	NC_021163.1	Ca_kabuli_chr04	15330046	GG	TT	1940279551
SNP_P1_58307_15330089	NC_021163.1	Ca_kabuli_chr04	15330089	AA	GG	1940279552
SNP_P1_58308_15333258	NC_021163.1	Ca_kabuli_chr04	15333258	TT	CC	1940279554
SNP_P1_58309_15333300	NC_021163.1	Ca_kabuli_chr04	15333300	AA	GG	1940279556
SNP_P1_58310_15333325	NC_021163.1	Ca_kabuli_chr04	15333325	CC	TT	1940279557
SNP_P1_58311_15333354	NC_021163.1	Ca_kabuli_chr04	15333354	GG	AA	1940279559
SNP_P1_58312_15333356	NC_021163.1	Ca_kabuli_chr04	15333356	TT	CC	1940279561
SNP_P1_58313_15333413	NC_021163.1	Ca_kabuli_chr04	15333413	AA	GG	1940279562
SNP_P1_58314_15333422	NC_021163.1	Ca_kabuli_chr04	15333422	GG	AA	1940279564
SNP_P1_58315_15333426	NC_021163.1	Ca_kabuli_chr04	15333426	TT	GG	1940279565
SNP_P1_58316_15333431	NC_021163.1	Ca_kabuli_chr04	15333431	CC	TT	1940279567
SNP_P1_58317_15333434	NC_021163.1	Ca_kabuli_chr04	15333434	AA	GG	1940279569
SNP_P1_58318_15333673	NC_021163.1	Ca_kabuli_chr04	15333673	AA	TT	1940279570
SNP_P1_58319_15333676	NC_021163.1	Ca_kabuli_chr04	15333676	GG	AA	1940279572
SNP_P1_58320_15342691	NC_021163.1	Ca_kabuli_chr04	15342691	CC	TT	1940279574
SNP_P1_58321_15342721	NC_021163.1	Ca_kabuli_chr04	15342721	AA	GG	1940279575
SNP_P1_58322_15343488	NC_021163.1	Ca_kabuli_chr04	15343488	GG	AA	1940279577
SNP_P1_58323_15343493	NC_021163.1	Ca_kabuli_chr04	15343493	AA	TT	1940279579
SNP_P1_58324_15382716	NC_021163.1	Ca_kabuli_chr04	15382716	AA	CC	1940279580
SNP_P1_58325_15387996	NC_021163.1	Ca_kabuli_chr04	15387996	CC	TT	1940279582
SNP_P1_58327_15401156	NC_021163.1	Ca_kabuli_chr04	15401156	AA	CC	1940279583
SNP_P1_58329_15412920	NC_021163.1	Ca_kabuli_chr04	15412920	CC	TT	1940279585
SNP_P1_58330_15419035	NC_021163.1	Ca_kabuli_chr04	15419035	AA	GG	1940279587
SNP_P1_58331_15456816	NC_021163.1	Ca_kabuli_chr04	15456816	CC	TT	1940279588
SNP_P1_58332_15466676	NC_021163.1	Ca_kabuli_chr04	15466676	TT	AA	1940279590
SNP_P1_58335_15484695	NC_021163.1	Ca_kabuli_chr04	15484695	GG	CC	1940279591
SNP_P1_58336_15494879	NC_021163.1	Ca_kabuli_chr04	15494879	CC	TT	1940279593
SNP_P1_58337_15495179	NC_021163.1	Ca_kabuli_chr04	15495179	AA	GG	1940279595
SNP_P1_58339_15524784	NC_021163.1	Ca_kabuli_chr04	15524784	TT	CC	1940279596
SNP_P1_58340_15530255	NC_021163.1	Ca_kabuli_chr04	15530255	CC	GG	1940279598
SNP_P1_58341_15534207	NC_021163.1	Ca_kabuli_chr04	15534207	AA	TT	1940279600

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58345_15593185	NC_021163.1	Ca_kabuli_chr04	15593185	AA	GG	1940279603
SNP_P1_58346_15594583	NC_021163.1	Ca_kabuli_chr04	15594583	GG	AA	1940279605
SNP_P1_58347_15594597	NC_021163.1	Ca_kabuli_chr04	15594597	GG	TT	1940279606
SNP_P1_58348_15595799	NC_021163.1	Ca_kabuli_chr04	15595799	AA	CC	1940279608
SNP_P1_58350_15614128	NC_021163.1	Ca_kabuli_chr04	15614128	CC	TT	1940279610
SNP_P1_58351_15614151	NC_021163.1	Ca_kabuli_chr04	15614151	TT	CC	1940279611
SNP_P1_58352_15620825	NC_021163.1	Ca_kabuli_chr04	15620825	TT	CC	1940279613
SNP_P1_58353_15632684	NC_021163.1	Ca_kabuli_chr04	15632684	TT	GG	1940279614
SNP_P1_58354_15632697	NC_021163.1	Ca_kabuli_chr04	15632697	TT	CC	1940279616
SNP_P1_58355_15632699	NC_021163.1	Ca_kabuli_chr04	15632699	GG	TT	1940279617
SNP_P1_58358_15669184	NC_021163.1	Ca_kabuli_chr04	15669184	TT	CC	1940279619
SNP_P1_58359_15690834	NC_021163.1	Ca_kabuli_chr04	15690834	TT	CC	1940279621
SNP_P1_58360_15698212	NC_021163.1	Ca_kabuli_chr04	15698212	GG	TT	1940279622
SNP_P1_58361_15716532	NC_021163.1	Ca_kabuli_chr04	15716532	GG	AA	1940279624
SNP_P1_58362_15719950	NC_021163.1	Ca_kabuli_chr04	15719950	TT	CC	1940279625
SNP_P1_58363_15719955	NC_021163.1	Ca_kabuli_chr04	15719955	AA	TT	1940279627
SNP_P1_58364_15719956	NC_021163.1	Ca_kabuli_chr04	15719956	AA	TT	1940279629
SNP_P1_58365_15722159	NC_021163.1	Ca_kabuli_chr04	15722159	TT	CC	1940279630
SNP_P1_58366_15722177	NC_021163.1	Ca_kabuli_chr04	15722177	TT	CC	1940279632
SNP_P1_58367_15729658	NC_021163.1	Ca_kabuli_chr04	15729658	AA	TT	1940279634
SNP_P1_58369_15742305	NC_021163.1	Ca_kabuli_chr04	15742305	TT	AA	1940279635
SNP_P1_58370_15742506	NC_021163.1	Ca_kabuli_chr04	15742506	CC	AA	1940279637
SNP_P1_58372_15745667	NC_021163.1	Ca_kabuli_chr04	15745667	CC	TT	1940279638
SNP_P1_58373_15757185	NC_021163.1	Ca_kabuli_chr04	15757185	GG	CC	1940279640
SNP_P1_58374_15763856	NC_021163.1	Ca_kabuli_chr04	15763856	TT	GG	1940279641
SNP_P1_58375_15763863	NC_021163.1	Ca_kabuli_chr04	15763863	AA	GG	1940279643
SNP_P1_58376_15768682	NC_021163.1	Ca_kabuli_chr04	15768682	CC	TT	1940279645
SNP_P1_58377_15768782	NC_021163.1	Ca_kabuli_chr04	15768782	AA	GG	1940279646
SNP_P1_58379_15788493	NC_021163.1	Ca_kabuli_chr04	15788493	GG	AA	1940279648
SNP_P1_58380_15788495	NC_021163.1	Ca_kabuli_chr04	15788495	GG	CC	1940279649
SNP_P1_58381_15788519	NC_021163.1	Ca_kabuli_chr04	15788519	TT	CC	1940279651
SNP_P1_58382_15788718	NC_021163.1	Ca_kabuli_chr04	15788718	GG	TT	1940279653
SNP_P1_58383_15788721	NC_021163.1	Ca_kabuli_chr04	15788721	TT	CC	1940279654
SNP_P1_58384_15790159	NC_021163.1	Ca_kabuli_chr04	15790159	GG	TT	1940279656
SNP_P1_58385_15797728	NC_021163.1	Ca_kabuli_chr04	15797728	TT	GG	1940279658
SNP_P1_58386_15801308	NC_021163.1	Ca_kabuli_chr04	15801308	CC	TT	1940279659
SNP_P1_58387_15801342	NC_021163.1	Ca_kabuli_chr04	15801342	CC	TT	1940279661
SNP_P1_58388_15817059	NC_021163.1	Ca_kabuli_chr04	15817059	TT	CC	1940279662
SNP_P1_58389_15826056	NC_021163.1	Ca_kabuli_chr04	15826056	TT	AA	1940279664
SNP_P1_58390_15827868	NC_021163.1	Ca_kabuli_chr04	15827868	GG	AA	1940279666
SNP_P1_58391_15840364	NC_021163.1	Ca_kabuli_chr04	15840364	AA	TT	1940279667

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58393_15858830	NC_021163.1	Ca_kabuli_chr04	15858830	AA	GG	1940279670
SNP_P1_58394_15860012	NC_021163.1	Ca_kabuli_chr04	15860012	TT	CC	1940279672
SNP_P1_58395_15862712	NC_021163.1	Ca_kabuli_chr04	15862712	GG	AA	1940279674
SNP_P1_58396_15863533	NC_021163.1	Ca_kabuli_chr04	15863533	TT	CC	1940279675
SNP_P1_58397_15869988	NC_021163.1	Ca_kabuli_chr04	15869988	CC	TT	1940279677
SNP_P1_58398_15879275	NC_021163.1	Ca_kabuli_chr04	15879275	TT	CC	1940279678
SNP_P1_58399_15879448	NC_021163.1	Ca_kabuli_chr04	15879448	AA	CC	1940279680
SNP_P1_58400_15879481	NC_021163.1	Ca_kabuli_chr04	15879481	GG	TT	1940279682
SNP_P1_58401_15879483	NC_021163.1	Ca_kabuli_chr04	15879483	AA	TT	1940279684
SNP_P1_58402_15881411	NC_021163.1	Ca_kabuli_chr04	15881411	CC	TT	1940279685
SNP_P1_58404_15882577	NC_021163.1	Ca_kabuli_chr04	15882577	CC	TT	1940279687
SNP_P1_58405_15882603	NC_021163.1	Ca_kabuli_chr04	15882603	AA	TT	1940279688
SNP_P1_58406_15882647	NC_021163.1	Ca_kabuli_chr04	15882647	TT	CC	1940279690
SNP_P1_58407_15882845	NC_021163.1	Ca_kabuli_chr04	15882845	AA	GG	1940279692
SNP_P1_58408_15883914	NC_021163.1	Ca_kabuli_chr04	15883914	CC	TT	1940279693
SNP_P1_58409_15884123	NC_021163.1	Ca_kabuli_chr04	15884123	CC	TT	1940279695
SNP_P1_58410_15884141	NC_021163.1	Ca_kabuli_chr04	15884141	AA	GG	1940279696
SNP_P1_58411_15884183	NC_021163.1	Ca_kabuli_chr04	15884183	CC	TT	1940279698
SNP_P1_58412_15885108	NC_021163.1	Ca_kabuli_chr04	15885108	CC	TT	1940279700
SNP_P1_58413_15885448	NC_021163.1	Ca_kabuli_chr04	15885448	AA	GG	1940279701
SNP_P1_58414_15885474	NC_021163.1	Ca_kabuli_chr04	15885474	AA	GG	1940279703
SNP_P1_58415_15885541	NC_021163.1	Ca_kabuli_chr04	15885541	GG	AA	1940279705
SNP_P1_58417_15888636	NC_021163.1	Ca_kabuli_chr04	15888636	TT	AA	1940279706
SNP_P1_58418_15888679	NC_021163.1	Ca_kabuli_chr04	15888679	AA	CC	1940279708
SNP_P1_58419_15888926	NC_021163.1	Ca_kabuli_chr04	15888926	AA	GG	1940279709
SNP_P1_58421_15889212	NC_021163.1	Ca_kabuli_chr04	15889212	TT	AA	1940279711
SNP_P1_58422_15889246	NC_021163.1	Ca_kabuli_chr04	15889246	AA	CC	1940279712
SNP_P1_58423_15889253	NC_021163.1	Ca_kabuli_chr04	15889253	AA	GG	1940279714
SNP_P1_58424_15889259	NC_021163.1	Ca_kabuli_chr04	15889259	CC	TT	1940279716
SNP_P1_58425_15891647	NC_021163.1	Ca_kabuli_chr04	15891647	GG	CC	1940279717
SNP_P1_58426_15891755	NC_021163.1	Ca_kabuli_chr04	15891755	CC	TT	1940279719
SNP_P1_58427_15891822	NC_021163.1	Ca_kabuli_chr04	15891822	AA	GG	1940279720
SNP_P1_58428_15891929	NC_021163.1	Ca_kabuli_chr04	15891929	GG	AA	1940279722
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SNP_P1_58434_15897808	NC_021163.1	Ca_kabuli_chr04	15897808	CC	AA	1940279725
SNP_P1_58435_15897821	NC_021163.1	Ca_kabuli_chr04	15897821	TT	CC	1940279727
SNP_P1_58436_15897832	NC_021163.1	Ca_kabuli_chr04	15897832	TT	CC	1940279729
SNP_P1_58437_15897860	NC_021163.1	Ca_kabuli_chr04	15897860	GG	CC	1940279730
SNP_P1_58439_15898298	NC_021163.1	Ca_kabuli_chr04	15898298	TT	AA	1940279732
SNP_P1_58440_15899215	NC_021163.1	Ca_kabuli_chr04	15899215	CC	TT	1940279734
SNP_P1_58441_15899221	NC_021163.1	Ca_kabuli_chr04	15899221	TT	CC	1940279735

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58443_15902651	NC_021163.1	Ca_kabuli_chr04	15902651	GG	TT	1940279739
SNP_P1_58444_15903249	NC_021163.1	Ca_kabuli_chr04	15903249	CC	TT	1940279740
SNP_P1_58445_15903999	NC_021163.1	Ca_kabuli_chr04	15903999	TT	AA	1940279742
SNP_P1_58446_15904212	NC_021163.1	Ca_kabuli_chr04	15904212	CC	AA	1940279744
SNP_P1_58447_15904238	NC_021163.1	Ca_kabuli_chr04	15904238	TT	AA	1940279745
SNP_P1_58448_15904479	NC_021163.1	Ca_kabuli_chr04	15904479	GG	CC	1940279747
SNP_P1_58449_15904605	NC_021163.1	Ca_kabuli_chr04	15904605	GG	CC	1940279748
SNP_P1_58450_15907128	NC_021163.1	Ca_kabuli_chr04	15907128	TT	CC	1940279750
SNP_P1_58451_15907665	NC_021163.1	Ca_kabuli_chr04	15907665	GG	AA	1940279752
SNP_P1_58452_15907742	NC_021163.1	Ca_kabuli_chr04	15907742	AA	TT	1940279753
SNP_P1_58453_15907956	NC_021163.1	Ca_kabuli_chr04	15907956	CC	TT	1940279755
SNP_P1_58454_15907996	NC_021163.1	Ca_kabuli_chr04	15907996	TT	CC	1940279756
SNP_P1_58455_15908001	NC_021163.1	Ca_kabuli_chr04	15908001	TT	GG	1940279758
SNP_P1_58457_15908715	NC_021163.1	Ca_kabuli_chr04	15908715	CC	AA	1940279760
SNP_P1_58459_15908767	NC_021163.1	Ca_kabuli_chr04	15908767	AA	TT	1940279761
SNP_P1_58460_15908820	NC_021163.1	Ca_kabuli_chr04	15908820	AA	GG	1940279763
SNP_P1_58461_15908992	NC_021163.1	Ca_kabuli_chr04	15908992	AA	CC	1940279765
SNP_P1_58462_15908997	NC_021163.1	Ca_kabuli_chr04	15908997	GG	AA	1940279766
SNP_P1_58463_15909020	NC_021163.1	Ca_kabuli_chr04	15909020	CC	TT	1940279768
SNP_P1_58464_15909028	NC_021163.1	Ca_kabuli_chr04	15909028	TT	CC	1940279769
SNP_P1_58465_15909029	NC_021163.1	Ca_kabuli_chr04	15909029	TT	CC	1940279771
SNP_P1_58466_15909062	NC_021163.1	Ca_kabuli_chr04	15909062	AA	TT	1940279773
SNP_P1_58467_15909296	NC_021163.1	Ca_kabuli_chr04	15909296	TT	GG	1940279774
SNP_P1_58468_15909333	NC_021163.1	Ca_kabuli_chr04	15909333	TT	CC	1940279776
SNP_P1_58469_15911641	NC_021163.1	Ca_kabuli_chr04	15911641	TT	AA	1940279777
SNP_P1_58470_15911895	NC_021163.1	Ca_kabuli_chr04	15911895	CC	AA	1940279779
SNP_P1_58471_15911896	NC_021163.1	Ca_kabuli_chr04	15911896	CC	TT	1940279781
SNP_P1_58472_15911902	NC_021163.1	Ca_kabuli_chr04	15911902	GG	AA	1940279782
SNP_P1_58473_15914644	NC_021163.1	Ca_kabuli_chr04	15914644	CC	TT	1940279784
SNP_P1_58474_15916802	NC_021163.1	Ca_kabuli_chr04	15916802	GG	AA	1940279785
SNP_P1_58475_15917102	NC_021163.1	Ca_kabuli_chr04	15917102	GG	CC	1940279787
SNP_P1_58476_15919986	NC_021163.1	Ca_kabuli_chr04	15919986	CC	TT	1940279788
SNP_P1_58478_15921270	NC_021163.1	Ca_kabuli_chr04	15921270	GG	AA	1940279790
SNP_P1_58479_15922809	NC_021163.1	Ca_kabuli_chr04	15922809	CC	GG	1940279792
SNP_P1_58480_15923944	NC_021163.1	Ca_kabuli_chr04	15923944	CC	GG	1940279793
SNP_P1_58481_15924323	NC_021163.1	Ca_kabuli_chr04	15924323	GG	AA	1940279795
SNP_P1_58482_15925054	NC_021163.1	Ca_kabuli_chr04	15925054	CC	TT	1940279796
SNP_P1_58483_15925055	NC_021163.1	Ca_kabuli_chr04	15925055	CC	AA	1940279798
SNP_P1_58485_15925154	NC_021163.1	Ca_kabuli_chr04	15925154	CC	TT	1940279800
SNP_P1_58486_15925312	NC_021163.1	Ca_kabuli_chr04	15925312	TT	GG	1940279801
SNP_P1_58487_15925936	NC_021163.1	Ca_kabuli_chr04	15925936	GG	TT	1940279803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58491_15927782	NC_021163.1	Ca_kabuli_chr04	15927782	CC	TT	1940279806
SNP_P1_58493_15931177	NC_021163.1	Ca_kabuli_chr04	15931177	GG	CC	1940279808
SNP_P1_58494_15931210	NC_021163.1	Ca_kabuli_chr04	15931210	AA	TT	1940279809
SNP_P1_58495_15931844	NC_021163.1	Ca_kabuli_chr04	15931844	CC	GG	1940279811
SNP_P1_58496_15932740	NC_021163.1	Ca_kabuli_chr04	15932740	GG	AA	1940279813
SNP_P1_58497_15932744	NC_021163.1	Ca_kabuli_chr04	15932744	CC	TT	1940279814
SNP_P1_58498_15934901	NC_021163.1	Ca_kabuli_chr04	15934901	GG	TT	1940279816
SNP_P1_58499_15935131	NC_021163.1	Ca_kabuli_chr04	15935131	GG	AA	1940279817
SNP_P1_58500_15935398	NC_021163.1	Ca_kabuli_chr04	15935398	CC	TT	1940279819
SNP_P1_58501_15935863	NC_021163.1	Ca_kabuli_chr04	15935863	CC	GG	1940279820
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SNP_P1_58503_15936145	NC_021163.1	Ca_kabuli_chr04	15936145	AA	GG	1940279824
SNP_P1_58504_15936503	NC_021163.1	Ca_kabuli_chr04	15936503	TT	CC	1940279825
SNP_P1_58505_15936526	NC_021163.1	Ca_kabuli_chr04	15936526	AA	GG	1940279827
SNP_P1_58506_15936583	NC_021163.1	Ca_kabuli_chr04	15936583	GG	AA	1940279828
SNP_P1_58509_15937320	NC_021163.1	Ca_kabuli_chr04	15937320	TT	CC	1940279830
SNP_P1_58510_15937354	NC_021163.1	Ca_kabuli_chr04	15937354	GG	TT	1940279832
SNP_P1_58511_15937998	NC_021163.1	Ca_kabuli_chr04	15937998	AA	CC	1940279833
SNP_P1_58512_15938181	NC_021163.1	Ca_kabuli_chr04	15938181	CC	TT	1940279835
SNP_P1_58513_15938274	NC_021163.1	Ca_kabuli_chr04	15938274	AA	GG	1940279836
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SNP_P1_58515_15938887	NC_021163.1	Ca_kabuli_chr04	15938887	CC	TT	1940279839
SNP_P1_58516_15938971	NC_021163.1	Ca_kabuli_chr04	15938971	AA	TT	1940279841
SNP_P1_58517_15938973	NC_021163.1	Ca_kabuli_chr04	15938973	AA	TT	1940279843
SNP_P1_58519_15939130	NC_021163.1	Ca_kabuli_chr04	15939130	CC	AA	1940279844
SNP_P1_58522_15940594	NC_021163.1	Ca_kabuli_chr04	15940594	TT	CC	1940279846
SNP_P1_58523_15940618	NC_021163.1	Ca_kabuli_chr04	15940618	GG	CC	1940279847
SNP_P1_58524_15942039	NC_021163.1	Ca_kabuli_chr04	15942039	AA	GG	1940279849
SNP_P1_58525_15942084	NC_021163.1	Ca_kabuli_chr04	15942084	AA	GG	1940279851
SNP_P1_58526_15942209	NC_021163.1	Ca_kabuli_chr04	15942209	TT	CC	1940279852
SNP_P1_58527_15943658	NC_021163.1	Ca_kabuli_chr04	15943658	GG	CC	1940279854
SNP_P1_58528_15943861	NC_021163.1	Ca_kabuli_chr04	15943861	GG	CC	1940279855
SNP_P1_58529_15944466	NC_021163.1	Ca_kabuli_chr04	15944466	AA	GG	1940279857
SNP_P1_58532_15945890	NC_021163.1	Ca_kabuli_chr04	15945890	AA	TT	1940279859
SNP_P1_58533_15945932	NC_021163.1	Ca_kabuli_chr04	15945932	TT	GG	1940279861
SNP_P1_58534_15945953	NC_021163.1	Ca_kabuli_chr04	15945953	AA	TT	1940279862
SNP_P1_58535_15945979	NC_021163.1	Ca_kabuli_chr04	15945979	TT	CC	1940279864
SNP_P1_58536_15948309	NC_021163.1	Ca_kabuli_chr04	15948309	GG	AA	1940279866
SNP_P1_58537_15948832	NC_021163.1	Ca_kabuli_chr04	15948832	TT	CC	1940279867
SNP_P1_58538_15948932	NC_021163.1	Ca_kabuli_chr04	15948932	GG	AA	1940279869
SNP_P1_58540_15948946	NC_021163.1	Ca_kabuli_chr04	15948946	TT	CC	1940279871

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_58541_15949506	NC_021163.1	Ca_kabuli_chr04	15949506	CC	AA	1940279872
SNP_P1_58542_15949543	NC_021163.1	Ca_kabuli_chr04	15949543	TT	CC	1940279874
SNP_P1_58543_15950430	NC_021163.1	Ca_kabuli_chr04	15950430	CC	TT	1940279875
SNP_P1_58544_15950433	NC_021163.1	Ca_kabuli_chr04	15950433	AA	GG	1940279877
SNP_P1_58545_15950473	NC_021163.1	Ca_kabuli_chr04	15950473	TT	CC	1940279879
SNP_P1_58546_15950476	NC_021163.1	Ca_kabuli_chr04	15950476	CC	GG	1940279880
SNP_P1_58548_15950691	NC_021163.1	Ca_kabuli_chr04	15950691	CC	TT	1940279882
SNP_P1_58549_15950724	NC_021163.1	Ca_kabuli_chr04	15950724	AA	TT	1940279883
SNP_P1_58550_15950817	NC_021163.1	Ca_kabuli_chr04	15950817	CC	TT	1940279885
SNP_P1_58552_15950837	NC_021163.1	Ca_kabuli_chr04	15950837	AA	GG	1940279887
SNP_P1_58553_15951660	NC_021163.1	Ca_kabuli_chr04	15951660	AA	GG	1940279888
SNP_P1_58554_15951868	NC_021163.1	Ca_kabuli_chr04	15951868	TT	CC	1940279890
SNP_P1_58555_15951880	NC_021163.1	Ca_kabuli_chr04	15951880	AA	TT	1940279892
SNP_P1_58556_15952040	NC_021163.1	Ca_kabuli_chr04	15952040	GG	TT	1940279894
SNP_P1_58557_15952587	NC_021163.1	Ca_kabuli_chr04	15952587	AA	CC	1940279895
SNP_P1_58558_15953583	NC_021163.1	Ca_kabuli_chr04	15953583	TT	CC	1940279897
SNP_P1_58559_15953642	NC_021163.1	Ca_kabuli_chr04	15953642	TT	AA	1940279899
SNP_P1_58560_15953900	NC_021163.1	Ca_kabuli_chr04	15953900	CC	TT	1940279900
SNP_P1_58561_15954328	NC_021163.1	Ca_kabuli_chr04	15954328	CC	TT	1940279902
SNP_P1_58562_15954336	NC_021163.1	Ca_kabuli_chr04	15954336	GG	AA	1940279903
SNP_P1_58563_15955216	NC_021163.1	Ca_kabuli_chr04	15955216	CC	TT	1940279905
SNP_P1_58564_15957554	NC_021163.1	Ca_kabuli_chr04	15957554	CC	GG	1940279907
SNP_P1_58565_15957571	NC_021163.1	Ca_kabuli_chr04	15957571	CC	AA	1940279908
SNP_P1_58567_15957598	NC_021163.1	Ca_kabuli_chr04	15957598	TT	CC	1940279910
SNP_P1_58568_15957646	NC_021163.1	Ca_kabuli_chr04	15957646	TT	AA	1940279911
SNP_P1_58569_15958551	NC_021163.1	Ca_kabuli_chr04	15958551	AA	TT	1940279913
SNP_P1_58570_15959936	NC_021163.1	Ca_kabuli_chr04	15959936	CC	TT	1940279915
SNP_P1_58571_15962521	NC_021163.1	Ca_kabuli_chr04	15962521	CC	TT	1940279916
SNP_P1_58572_15962552	NC_021163.1	Ca_kabuli_chr04	15962552	AA	GG	1940279918
SNP_P1_58574_15962643	NC_021163.1	Ca_kabuli_chr04	15962643	TT	CC	1940279919
SNP_P1_58575_15962674	NC_021163.1	Ca_kabuli_chr04	15962674	GG	AA	1940279921
SNP_P1_58576_15963255	NC_021163.1	Ca_kabuli_chr04	15963255	TT	CC	1940279923
SNP_P1_58579_15964388	NC_021163.1	Ca_kabuli_chr04	15964388	AA	GG	1940279924
SNP_P1_58580_15964391	NC_021163.1	Ca_kabuli_chr04	15964391	TT	AA	1940279926
SNP_P1_58581_15964401	NC_021163.1	Ca_kabuli_chr04	15964401	GG	AA	1940279927
SNP_P1_58582_15964443	NC_021163.1	Ca_kabuli_chr04	15964443	GG	AA	1940279929
SNP_P1_58583_15964444	NC_021163.1	Ca_kabuli_chr04	15964444	CC	GG	1940279930
SNP_P1_58584_15964470	NC_021163.1	Ca_kabuli_chr04	15964470	TT	CC	1940279932
SNP_P1_58585_15965099	NC_021163.1	Ca_kabuli_chr04	15965099	GG	CC	1940279934
SNP_P1_58586_15966468	NC_021163.1	Ca_kabuli_chr04	15966468	GG	AA	1940279935
SNP_P1_58587_15966513	NC_021163.1	Ca_kabuli_chr04	15966513	TT	AA	1940279937
SNP_P1_58588_15966550	NC_021163.1	Ca_kabuli_chr04	15966550	GG	AA	1940279938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58590_15966685	NC_021163.1	Ca_kabuli_chr04	15966685	CC	GG	1940279942
SNP_P1_58591_15966734	NC_021163.1	Ca_kabuli_chr04	15966734	TT	AA	1940279943
SNP_P1_58592_15967423	NC_021163.1	Ca_kabuli_chr04	15967423	TT	CC	1940279945
SNP_P1_58593_15967430	NC_021163.1	Ca_kabuli_chr04	15967430	GG	AA	1940279946
SNP_P1_58595_15968040	NC_021163.1	Ca_kabuli_chr04	15968040	AA	GG	1940279948
SNP_P1_58597_15968812	NC_021163.1	Ca_kabuli_chr04	15968812	GG	AA	1940279950
SNP_P1_58599_15972105	NC_021163.1	Ca_kabuli_chr04	15972105	GG	CC	1940279951
SNP_P1_58600_15973139	NC_021163.1	Ca_kabuli_chr04	15973139	AA	GG	1940279953
SNP_P1_58601_15973652	NC_021163.1	Ca_kabuli_chr04	15973652	TT	AA	1940279954
SNP_P1_58602_15974549	NC_021163.1	Ca_kabuli_chr04	15974549	GG	TT	1940279956
SNP_P1_58603_15974701	NC_021163.1	Ca_kabuli_chr04	15974701	AA	GG	1940279958
SNP_P1_58604_15974840	NC_021163.1	Ca_kabuli_chr04	15974840	CC	AA	1940279959
SNP_P1_58605_15981417	NC_021163.1	Ca_kabuli_chr04	15981417	TT	GG	1940279960
SNP_P1_58607_15981887	NC_021163.1	Ca_kabuli_chr04	15981887	AA	TT	1940279962
SNP_P1_58608_15982186	NC_021163.1	Ca_kabuli_chr04	15982186	AA	TT	1940279963
SNP_P1_58609_15982191	NC_021163.1	Ca_kabuli_chr04	15982191	AA	GG	1940279965
SNP_P1_58610_15982745	NC_021163.1	Ca_kabuli_chr04	15982745	GG	AA	1940279967
SNP_P1_58612_15983480	NC_021163.1	Ca_kabuli_chr04	15983480	AA	TT	1940279968
SNP_P1_58613_15984042	NC_021163.1	Ca_kabuli_chr04	15984042	AA	GG	1940279970
SNP_P1_58614_15984316	NC_021163.1	Ca_kabuli_chr04	15984316	TT	CC	1940279971
SNP_P1_58615_15984353	NC_021163.1	Ca_kabuli_chr04	15984353	AA	TT	1940279973
SNP_P1_58616_15984392	NC_021163.1	Ca_kabuli_chr04	15984392	AA	GG	1940279974
SNP_P1_58617_15985082	NC_021163.1	Ca_kabuli_chr04	15985082	GG	TT	1940279976
SNP_P1_58618_15985167	NC_021163.1	Ca_kabuli_chr04	15985167	TT	CC	1940279978
SNP_P1_58619_15986599	NC_021163.1	Ca_kabuli_chr04	15986599	AA	GG	1940279979
SNP_P1_58620_15986753	NC_021163.1	Ca_kabuli_chr04	15986753	GG	AA	1940279981
SNP_P1_58621_15986783	NC_021163.1	Ca_kabuli_chr04	15986783	CC	TT	1940279983
SNP_P1_58623_15987624	NC_021163.1	Ca_kabuli_chr04	15987624	AA	GG	1940279985
SNP_P1_58624_15987948	NC_021163.1	Ca_kabuli_chr04	15987948	AA	GG	1940279986
SNP_P1_58625_15988916	NC_021163.1	Ca_kabuli_chr04	15988916	TT	CC	1940279988
SNP_P1_58626_15988924	NC_021163.1	Ca_kabuli_chr04	15988924	GG	AA	1940279990
SNP_P1_58627_15989361	NC_021163.1	Ca_kabuli_chr04	15989361	CC	TT	1940279991
SNP_P1_58628_15989654	NC_021163.1	Ca_kabuli_chr04	15989654	TT	CC	1940279993
SNP_P1_58629_15990847	NC_021163.1	Ca_kabuli_chr04	15990847	TT	CC	1940279994
SNP_P1_58630_15990869	NC_021163.1	Ca_kabuli_chr04	15990869	CC	TT	1940279996
SNP_P1_58632_15991847	NC_021163.1	Ca_kabuli_chr04	15991847	TT	AA	1940279997
SNP_P1_58633_15991855	NC_021163.1	Ca_kabuli_chr04	15991855	GG	AA	1940279999
SNP_P1_58634_15991869	NC_021163.1	Ca_kabuli_chr04	15991869	CC	AA	1940280000
SNP_P1_58635_15992222	NC_021163.1	Ca_kabuli_chr04	15992222	AA	CC	1940280002
SNP_P1_58636_15993921	NC_021163.1	Ca_kabuli_chr04	15993921	AA	CC	1940280004
SNP_P1_58638_15994070	NC_021163.1	Ca_kabuli_chr04	15994070	CC	GG	1940280005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58640_15994816	NC_021163.1	Ca_kabuli_chr04	15994816	CC	TT	1940280008
SNP_P1_58641_15994818	NC_021163.1	Ca_kabuli_chr04	15994818	AA	CC	1940280010
SNP_P1_58642_15994844	NC_021163.1	Ca_kabuli_chr04	15994844	AA	CC	1940280012
SNP_P1_58643_15995781	NC_021163.1	Ca_kabuli_chr04	15995781	TT	GG	1940280013
SNP_P1_58644_15995854	NC_021163.1	Ca_kabuli_chr04	15995854	CC	AA	1940280015
SNP_P1_58645_15996112	NC_021163.1	Ca_kabuli_chr04	15996112	TT	CC	1940280016
SNP_P1_58646_15996183	NC_021163.1	Ca_kabuli_chr04	15996183	AA	GG	1940280018
SNP_P1_58647_15996519	NC_021163.1	Ca_kabuli_chr04	15996519	TT	CC	1940280020
SNP_P1_58648_15996977	NC_021163.1	Ca_kabuli_chr04	15996977	GG	TT	1940280022
SNP_P1_58649_15997317	NC_021163.1	Ca_kabuli_chr04	15997317	GG	TT	1940280023
SNP_P1_58650_15998818	NC_021163.1	Ca_kabuli_chr04	15998818	GG	TT	1940280025
SNP_P1_58651_15999991	NC_021163.1	Ca_kabuli_chr04	15999991	AA	GG	1940280026
SNP_P1_58652_16000293	NC_021163.1	Ca_kabuli_chr04	16000293	AA	CC	1940280028
SNP_P1_58653_16000312	NC_021163.1	Ca_kabuli_chr04	16000312	TT	CC	1940280029
SNP_P1_58654_16000315	NC_021163.1	Ca_kabuli_chr04	16000315	GG	AA	1940280031
SNP_P1_58655_16000624	NC_021163.1	Ca_kabuli_chr04	16000624	TT	CC	1940280033
SNP_P1_58657_16000645	NC_021163.1	Ca_kabuli_chr04	16000645	TT	CC	1940280034
SNP_P1_58658_16000706	NC_021163.1	Ca_kabuli_chr04	16000706	TT	CC	1940280036
SNP_P1_58659_16000754	NC_021163.1	Ca_kabuli_chr04	16000754	GG	AA	1940280038
SNP_P1_58660_16010151	NC_021163.1	Ca_kabuli_chr04	16010151	AA	CC	1940280040
SNP_P1_58661_16011699	NC_021163.1	Ca_kabuli_chr04	16011699	CC	TT	1940280042
SNP_P1_58662_16015945	NC_021163.1	Ca_kabuli_chr04	16015945	AA	TT	1940280044
SNP_P1_58663_16024871	NC_021163.1	Ca_kabuli_chr04	16024871	CC	AA	1940280045
SNP_P1_58664_16025030	NC_021163.1	Ca_kabuli_chr04	16025030	CC	TT	1940280047
SNP_P1_58665_16025061	NC_021163.1	Ca_kabuli_chr04	16025061	AA	GG	1940280049
SNP_P1_58666_16025144	NC_021163.1	Ca_kabuli_chr04	16025144	TT	CC	1940280051
SNP_P1_58667_16025404	NC_021163.1	Ca_kabuli_chr04	16025404	GG	AA	1940280052
SNP_P1_58668_16025436	NC_021163.1	Ca_kabuli_chr04	16025436	CC	TT	1940280054
SNP_P1_58669_16025469	NC_021163.1	Ca_kabuli_chr04	16025469	TT	CC	1940280056
SNP_P1_58670_16025477	NC_021163.1	Ca_kabuli_chr04	16025477	AA	GG	1940280057
SNP_P1_58671_16025802	NC_021163.1	Ca_kabuli_chr04	16025802	GG	TT	1940280059
SNP_P1_58672_16025811	NC_021163.1	Ca_kabuli_chr04	16025811	AA	GG	1940280060
SNP_P1_58673_16025813	NC_021163.1	Ca_kabuli_chr04	16025813	GG	CC	1940280062
SNP_P1_58674_16025834	NC_021163.1	Ca_kabuli_chr04	16025834	TT	CC	1940280064
SNP_P1_58675_16025878	NC_021163.1	Ca_kabuli_chr04	16025878	GG	CC	1940280065
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SNP_P1_58677_16025882	NC_021163.1	Ca_kabuli_chr04	16025882	CC	AA	1940280069
SNP_P1_58678_16026095	NC_021163.1	Ca_kabuli_chr04	16026095	CC	AA	1940280070
SNP_P1_58679_16026131	NC_021163.1	Ca_kabuli_chr04	16026131	AA	GG	1940280072
SNP_P1_58680_16026157	NC_021163.1	Ca_kabuli_chr04	16026157	CC	TT	1940280074
SNP_P1_58681_16026519	NC_021163.1	Ca_kabuli_chr04	16026519	GG	AA	1940280075

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58683_16027759	NC_021163.1	Ca_kabuli_chr04	16027759	GG	TT	1940280078
SNP_P1_58684_16027808	NC_021163.1	Ca_kabuli_chr04	16027808	CC	TT	1940280080
SNP_P1_58685_16027809	NC_021163.1	Ca_kabuli_chr04	16027809	GG	AA	1940280082
SNP_P1_58686_16027835	NC_021163.1	Ca_kabuli_chr04	16027835	TT	AA	1940280083
SNP_P1_58688_16027959	NC_021163.1	Ca_kabuli_chr04	16027959	GG	AA	1940280085
SNP_P1_58689_16027968	NC_021163.1	Ca_kabuli_chr04	16027968	TT	AA	1940280086
SNP_P1_58690_16028165	NC_021163.1	Ca_kabuli_chr04	16028165	CC	TT	1940280088
SNP_P1_58691_16028227	NC_021163.1	Ca_kabuli_chr04	16028227	AA	GG	1940280090
SNP_P1_58693_16030028	NC_021163.1	Ca_kabuli_chr04	16030028	CC	TT	1940280091
SNP_P1_58694_16030653	NC_021163.1	Ca_kabuli_chr04	16030653	TT	CC	1940280093
SNP_P1_58695_16030701	NC_021163.1	Ca_kabuli_chr04	16030701	CC	TT	1940280094
SNP_P1_58696_16030722	NC_021163.1	Ca_kabuli_chr04	16030722	GG	AA	1940280096
SNP_P1_58697_16030738	NC_021163.1	Ca_kabuli_chr04	16030738	TT	AA	1940280098
SNP_P1_58698_16030861	NC_021163.1	Ca_kabuli_chr04	16030861	GG	AA	1940280099
SNP_P1_58699_16030878	NC_021163.1	Ca_kabuli_chr04	16030878	AA	GG	1940280101
SNP_P1_58700_16031556	NC_021163.1	Ca_kabuli_chr04	16031556	TT	CC	1940280103
SNP_P1_58701_16031557	NC_021163.1	Ca_kabuli_chr04	16031557	CC	GG	1940280104
SNP_P1_58702_16031562	NC_021163.1	Ca_kabuli_chr04	16031562	CC	AA	1940280106
SNP_P1_58703_16031593	NC_021163.1	Ca_kabuli_chr04	16031593	TT	GG	1940280107
SNP_P1_58704_16032788	NC_021163.1	Ca_kabuli_chr04	16032788	AA	GG	1940280109
SNP_P1_58705_16033159	NC_021163.1	Ca_kabuli_chr04	16033159	AA	CC	1940280111
SNP_P1_58707_16033505	NC_021163.1	Ca_kabuli_chr04	16033505	TT	AA	1940280113
SNP_P1_58708_16039405	NC_021163.1	Ca_kabuli_chr04	16039405	GG	TT	1940280115
SNP_P1_58709_16039409	NC_021163.1	Ca_kabuli_chr04	16039409	GG	AA	1940280116
SNP_P1_58710_16039554	NC_021163.1	Ca_kabuli_chr04	16039554	AA	CC	1940280118
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SNP_P1_58714_16041551	NC_021163.1	Ca_kabuli_chr04	16041551	CC	AA	1940280124
SNP_P1_58715_16041891	NC_021163.1	Ca_kabuli_chr04	16041891	AA	GG	1940280126
SNP_P1_58716_16042155	NC_021163.1	Ca_kabuli_chr04	16042155	GG	AA	1940280127
SNP_P1_58717_16042198	NC_021163.1	Ca_kabuli_chr04	16042198	TT	AA	1940280130
SNP_P1_58718_16042213	NC_021163.1	Ca_kabuli_chr04	16042213	AA	TT	1940280131
SNP_P1_58719_16042236	NC_021163.1	Ca_kabuli_chr04	16042236	TT	CC	1940280133
SNP_P1_58720_16044240	NC_021163.1	Ca_kabuli_chr04	16044240	GG	AA	1940280134
SNP_P1_58721_16044427	NC_021163.1	Ca_kabuli_chr04	16044427	TT	CC	1940280136
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SNP_P1_58726_16044998	NC_021163.1	Ca_kabuli_chr04	16044998	AA	TT	1940280142
SNP_P1_58727_16045005	NC_021163.1	Ca_kabuli_chr04	16045005	CC	TT	1940280144

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58729_16045526	NC_021163.1	Ca_kabuli_chr04	16045526	CC	GG	1940280147
SNP_P1_58730_16045870	NC_021163.1	Ca_kabuli_chr04	16045870	GG	AA	1940280149
SNP_P1_58731_16046081	NC_021163.1	Ca_kabuli_chr04	16046081	GG	AA	1940280150
SNP_P1_58732_16046928	NC_021163.1	Ca_kabuli_chr04	16046928	CC	TT	1940280152
SNP_P1_58734_16048652	NC_021163.1	Ca_kabuli_chr04	16048652	TT	GG	1940280154
SNP_P1_58735_16048693	NC_021163.1	Ca_kabuli_chr04	16048693	GG	AA	1940280155
SNP_P1_58736_16049010	NC_021163.1	Ca_kabuli_chr04	16049010	AA	GG	1940280157
SNP_P1_58737_16049037	NC_021163.1	Ca_kabuli_chr04	16049037	AA	GG	1940280158
SNP_P1_58738_16049395	NC_021163.1	Ca_kabuli_chr04	16049395	AA	GG	1940280160
SNP_P1_58739_16050152	NC_021163.1	Ca_kabuli_chr04	16050152	TT	CC	1940280162
SNP_P1_58741_16051352	NC_021163.1	Ca_kabuli_chr04	16051352	GG	AA	1940280163
SNP_P1_58742_16051378	NC_021163.1	Ca_kabuli_chr04	16051378	TT	CC	1940280165
SNP_P1_58743_16051428	NC_021163.1	Ca_kabuli_chr04	16051428	TT	CC	1940280166
SNP_P1_58744_16051462	NC_021163.1	Ca_kabuli_chr04	16051462	TT	GG	1940280168
SNP_P1_58745_16052515	NC_021163.1	Ca_kabuli_chr04	16052515	GG	TT	1940280170
SNP_P1_58746_16052679	NC_021163.1	Ca_kabuli_chr04	16052679	GG	AA	1940280171
SNP_P1_58747_16053467	NC_021163.1	Ca_kabuli_chr04	16053467	CC	TT	1940280173
SNP_P1_58748_16053803	NC_021163.1	Ca_kabuli_chr04	16053803	TT	CC	1940280174
SNP_P1_58749_16054666	NC_021163.1	Ca_kabuli_chr04	16054666	CC	GG	1940280176
SNP_P1_58751_16055627	NC_021163.1	Ca_kabuli_chr04	16055627	CC	AA	1940280178
SNP_P1_58752_16055649	NC_021163.1	Ca_kabuli_chr04	16055649	GG	CC	1940280179
SNP_P1_58753_16056205	NC_021163.1	Ca_kabuli_chr04	16056205	CC	TT	1940280181
SNP_P1_58754_16056687	NC_021163.1	Ca_kabuli_chr04	16056687	CC	TT	1940280183
SNP_P1_58755_16056773	NC_021163.1	Ca_kabuli_chr04	16056773	TT	CC	1940280184
SNP_P1_58757_16056990	NC_021163.1	Ca_kabuli_chr04	16056990	AA	GG	1940280186
SNP_P1_58758_16057019	NC_021163.1	Ca_kabuli_chr04	16057019	TT	CC	1940280187
SNP_P1_58760_16057165	NC_021163.1	Ca_kabuli_chr04	16057165	TT	CC	1940280189
SNP_P1_58761_16057431	NC_021163.1	Ca_kabuli_chr04	16057431	AA	CC	1940280191
SNP_P1_58762_16057847	NC_021163.1	Ca_kabuli_chr04	16057847	AA	TT	1940280192
SNP_P1_58763_16058357	NC_021163.1	Ca_kabuli_chr04	16058357	CC	GG	1940280194
SNP_P1_58764_16058824	NC_021163.1	Ca_kabuli_chr04	16058824	AA	GG	1940280195
SNP_P1_58765_16058827	NC_021163.1	Ca_kabuli_chr04	16058827	CC	GG	1940280197
SNP_P1_58768_16060358	NC_021163.1	Ca_kabuli_chr04	16060358	AA	TT	1940280199
SNP_P1_58769_16060669	NC_021163.1	Ca_kabuli_chr04	16060669	GG	CC	1940280200
SNP_P1_58770_16061164	NC_021163.1	Ca_kabuli_chr04	16061164	CC	AA	1940280202
SNP_P1_58771_16061165	NC_021163.1	Ca_kabuli_chr04	16061165	AA	CC	1940280204
SNP_P1_58773_16062153	NC_021163.1	Ca_kabuli_chr04	16062153	CC	TT	1940280205
SNP_P1_58774_16062197	NC_021163.1	Ca_kabuli_chr04	16062197	TT	AA	1940280207
SNP_P1_58775_16062268	NC_021163.1	Ca_kabuli_chr04	16062268	AA	TT	1940280208
SNP_P1_58776_16063418	NC_021163.1	Ca_kabuli_chr04	16063418	GG	CC	1940280210
SNP_P1_58777_16064570	NC_021163.1	Ca_kabuli_chr04	16064570	TT	AA	1940280212

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58780_16065344	NC_021163.1	Ca_kabuli_chr04	16065344	CC	TT	1940280215
SNP_P1_58783_16066480	NC_021163.1	Ca_kabuli_chr04	16066480	TT	CC	1940280217
SNP_P1_58786_16067339	NC_021163.1	Ca_kabuli_chr04	16067339	TT	GG	1940280219
SNP_P1_58787_16067407	NC_021163.1	Ca_kabuli_chr04	16067407	TT	AA	1940280220
SNP_P1_58788_16067422	NC_021163.1	Ca_kabuli_chr04	16067422	AA	GG	1940280222
SNP_P1_58789_16067484	NC_021163.1	Ca_kabuli_chr04	16067484	GG	AA	1940280223
SNP_P1_58790_16070258	NC_021163.1	Ca_kabuli_chr04	16070258	CC	TT	1940280225
SNP_P1_58792_16072367	NC_021163.1	Ca_kabuli_chr04	16072367	CC	AA	1940280226
SNP_P1_58794_16072589	NC_021163.1	Ca_kabuli_chr04	16072589	TT	GG	1940280228
SNP_P1_58795_16072597	NC_021163.1	Ca_kabuli_chr04	16072597	AA	TT	1940280229
SNP_P1_58797_16072733	NC_021163.1	Ca_kabuli_chr04	16072733	CC	GG	1940280231
SNP_P1_58799_16073901	NC_021163.1	Ca_kabuli_chr04	16073901	CC	AA	1940280233
SNP_P1_58801_16074580	NC_021163.1	Ca_kabuli_chr04	16074580	AA	CC	1940280234
SNP_P1_58802_16074595	NC_021163.1	Ca_kabuli_chr04	16074595	GG	AA	1940280236
SNP_P1_58804_16075055	NC_021163.1	Ca_kabuli_chr04	16075055	TT	CC	1940280238
SNP_P1_58805_16075296	NC_021163.1	Ca_kabuli_chr04	16075296	AA	TT	1940280239
SNP_P1_58806_16075862	NC_021163.1	Ca_kabuli_chr04	16075862	CC	AA	1940280241
SNP_P1_58807_16075891	NC_021163.1	Ca_kabuli_chr04	16075891	TT	CC	1940280242
SNP_P1_58808_16076158	NC_021163.1	Ca_kabuli_chr04	16076158	TT	CC	1940280244
SNP_P1_58809_16077149	NC_021163.1	Ca_kabuli_chr04	16077149	CC	GG	1940280246
SNP_P1_58810_16079266	NC_021163.1	Ca_kabuli_chr04	16079266	TT	GG	1940280247
SNP_P1_58811_16079553	NC_021163.1	Ca_kabuli_chr04	16079553	TT	GG	1940280249
SNP_P1_58812_16079572	NC_021163.1	Ca_kabuli_chr04	16079572	AA	GG	1940280250
SNP_P1_58813_16079762	NC_021163.1	Ca_kabuli_chr04	16079762	AA	CC	1940280252
SNP_P1_58815_16080038	NC_021163.1	Ca_kabuli_chr04	16080038	AA	CC	1940280254
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SNP_P1_58818_16084056	NC_021163.1	Ca_kabuli_chr04	16084056	TT	CC	1940280257
SNP_P1_58819_16084067	NC_021163.1	Ca_kabuli_chr04	16084067	GG	AA	1940280259
SNP_P1_58820_16084238	NC_021163.1	Ca_kabuli_chr04	16084238	CC	TT	1940280260
SNP_P1_58821_16084252	NC_021163.1	Ca_kabuli_chr04	16084252	CC	GG	1940280262
SNP_P1_58823_16085164	NC_021163.1	Ca_kabuli_chr04	16085164	AA	CC	1940280263
SNP_P1_58824_16085169	NC_021163.1	Ca_kabuli_chr04	16085169	TT	CC	1940280265
SNP_P1_58825_16085375	NC_021163.1	Ca_kabuli_chr04	16085375	TT	CC	1940280266
SNP_P1_58828_16088500	NC_021163.1	Ca_kabuli_chr04	16088500	AA	GG	1940280268
SNP_P1_58829_16088814	NC_021163.1	Ca_kabuli_chr04	16088814	AA	CC	1940280270
SNP_P1_58830_16089080	NC_021163.1	Ca_kabuli_chr04	16089080	TT	AA	1940280271
SNP_P1_58831_16089081	NC_021163.1	Ca_kabuli_chr04	16089081	AA	TT	1940280273
SNP_P1_58832_16089325	NC_021163.1	Ca_kabuli_chr04	16089325	CC	GG	1940280275
SNP_P1_58833_16089354	NC_021163.1	Ca_kabuli_chr04	16089354	TT	CC	1940280276
SNP_P1_58834_16089603	NC_021163.1	Ca_kabuli_chr04	16089603	TT	CC	1940280278
SNP_P1_58835_16089633	NC_021163.1	Ca_kabuli_chr04	16089633	CC	TT	1940280279

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58837_16089712	NC_021163.1	Ca_kabuli_chr04	16089712	GG	TT	1940280283
SNP_P1_58838_16089718	NC_021163.1	Ca_kabuli_chr04	16089718	GG	CC	1940280284
SNP_P1_58839_16089747	NC_021163.1	Ca_kabuli_chr04	16089747	TT	GG	1940280286
SNP_P1_58840_16090010	NC_021163.1	Ca_kabuli_chr04	16090010	CC	AA	1940280287
SNP_P1_58841_16095252	NC_021163.1	Ca_kabuli_chr04	16095252	AA	TT	1940280289
SNP_P1_58845_16095961	NC_021163.1	Ca_kabuli_chr04	16095961	GG	TT	1940280291
SNP_P1_58846_16095989	NC_021163.1	Ca_kabuli_chr04	16095989	CC	TT	1940280292
SNP_P1_58848_16097324	NC_021163.1	Ca_kabuli_chr04	16097324	GG	AA	1940280294
SNP_P1_58849_16098444	NC_021163.1	Ca_kabuli_chr04	16098444	TT	AA	1940280295
SNP_P1_58851_16098514	NC_021163.1	Ca_kabuli_chr04	16098514	CC	TT	1940280297
SNP_P1_58852_16098563	NC_021163.1	Ca_kabuli_chr04	16098563	CC	AA	1940280299
SNP_P1_58853_16098774	NC_021163.1	Ca_kabuli_chr04	16098774	GG	AA	1940280300
SNP_P1_58854_16098897	NC_021163.1	Ca_kabuli_chr04	16098897	GG	AA	1940280302
SNP_P1_58855_16098933	NC_021163.1	Ca_kabuli_chr04	16098933	CC	TT	1940280303
SNP_P1_58856_16098986	NC_021163.1	Ca_kabuli_chr04	16098986	CC	TT	1940280305
SNP_P1_58857_16098989	NC_021163.1	Ca_kabuli_chr04	16098989	AA	GG	1940280307
SNP_P1_58858_16098993	NC_021163.1	Ca_kabuli_chr04	16098993	CC	TT	1940280308
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SNP_P1_58860_16099016	NC_021163.1	Ca_kabuli_chr04	16099016	CC	TT	1940280312
SNP_P1_58861_16099354	NC_021163.1	Ca_kabuli_chr04	16099354	AA	GG	1940280313
SNP_P1_58862_16099362	NC_021163.1	Ca_kabuli_chr04	16099362	TT	AA	1940280315
SNP_P1_58863_16099388	NC_021163.1	Ca_kabuli_chr04	16099388	GG	TT	1940280316
SNP_P1_58864_16099398	NC_021163.1	Ca_kabuli_chr04	16099398	TT	AA	1940280318
SNP_P1_58865_16099450	NC_021163.1	Ca_kabuli_chr04	16099450	TT	AA	1940280320
SNP_P1_58866_16099771	NC_021163.1	Ca_kabuli_chr04	16099771	TT	CC	1940280321
SNP_P1_58867_16099780	NC_021163.1	Ca_kabuli_chr04	16099780	AA	GG	1940280323
SNP_P1_58869_16100038	NC_021163.1	Ca_kabuli_chr04	16100038	GG	AA	1940280324
SNP_P1_58870_16100067	NC_021163.1	Ca_kabuli_chr04	16100067	AA	CC	1940280326
SNP_P1_58871_16100071	NC_021163.1	Ca_kabuli_chr04	16100071	TT	AA	1940280327
SNP_P1_58872_16100319	NC_021163.1	Ca_kabuli_chr04	16100319	CC	AA	1940280329
SNP_P1_58873_16101719	NC_021163.1	Ca_kabuli_chr04	16101719	AA	TT	1940280331
SNP_P1_58874_16101725	NC_021163.1	Ca_kabuli_chr04	16101725	TT	CC	1940280332
SNP_P1_58875_16101780	NC_021163.1	Ca_kabuli_chr04	16101780	AA	TT	1940280334
SNP_P1_58876_16103248	NC_021163.1	Ca_kabuli_chr04	16103248	CC	TT	1940280335
SNP_P1_58877_16103286	NC_021163.1	Ca_kabuli_chr04	16103286	TT	GG	1940280337
SNP_P1_58878_16103296	NC_021163.1	Ca_kabuli_chr04	16103296	TT	GG	1940280339
SNP_P1_58879_16103313	NC_021163.1	Ca_kabuli_chr04	16103313	GG	CC	1940280340
SNP_P1_58881_16103361	NC_021163.1	Ca_kabuli_chr04	16103361	CC	AA	1940280342
SNP_P1_58882_16103380	NC_021163.1	Ca_kabuli_chr04	16103380	AA	GG	1940280343
SNP_P1_58883_16103386	NC_021163.1	Ca_kabuli_chr04	16103386	AA	GG	1940280345
SNP_P1_58884_16103634	NC_021163.1	Ca_kabuli_chr04	16103634	AA	TT	1940280346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58887_16110267	NC_021163.1	Ca_kabuli_chr04	16110267	TT	GG	1940280351
SNP_P1_58890_16120815	NC_021163.1	Ca_kabuli_chr04	16120815	AA	CC	1940280353
SNP_P1_58891_16121119	NC_021163.1	Ca_kabuli_chr04	16121119	TT	CC	1940280354
SNP_P1_58893_16130942	NC_021163.1	Ca_kabuli_chr04	16130942	TT	AA	1940280356
SNP_P1_58895_16131259	NC_021163.1	Ca_kabuli_chr04	16131259	CC	TT	1940280358
SNP_P1_58896_16131350	NC_021163.1	Ca_kabuli_chr04	16131350	GG	AA	1940280360
SNP_P1_58897_16132011	NC_021163.1	Ca_kabuli_chr04	16132011	TT	GG	1940280362
SNP_P1_58899_16138153	NC_021163.1	Ca_kabuli_chr04	16138153	CC	TT	1940280364
SNP_P1_58900_16138693	NC_021163.1	Ca_kabuli_chr04	16138693	CC	TT	1940280365
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SNP_P1_58904_16155503	NC_021163.1	Ca_kabuli_chr04	16155503	AA	GG	1940280370
SNP_P1_58905_16158002	NC_021163.1	Ca_kabuli_chr04	16158002	GG	AA	1940280372
SNP_P1_58906_16160780	NC_021163.1	Ca_kabuli_chr04	16160780	GG	AA	1940280373
SNP_P1_58907_16161140	NC_021163.1	Ca_kabuli_chr04	16161140	TT	CC	1940280375
SNP_P1_58908_16164843	NC_021163.1	Ca_kabuli_chr04	16164843	TT	CC	1940280376
SNP_P1_58910_16186559	NC_021163.1	Ca_kabuli_chr04	16186559	TT	GG	1940280378
SNP_P1_58911_16186641	NC_021163.1	Ca_kabuli_chr04	16186641	CC	TT	1940280379
SNP_P1_58912_16186679	NC_021163.1	Ca_kabuli_chr04	16186679	TT	CC	1940280381
SNP_P1_58913_16186691	NC_021163.1	Ca_kabuli_chr04	16186691	TT	AA	1940280383
SNP_P1_58914_16186693	NC_021163.1	Ca_kabuli_chr04	16186693	AA	GG	1940280384
SNP_P1_58917_16228600	NC_021163.1	Ca_kabuli_chr04	16228600	CC	TT	1940280386
SNP_P1_58919_16245525	NC_021163.1	Ca_kabuli_chr04	16245525	TT	GG	1940280388
SNP_P1_58920_16246791	NC_021163.1	Ca_kabuli_chr04	16246791	TT	AA	1940280389
SNP_P1_58921_16250499	NC_021163.1	Ca_kabuli_chr04	16250499	CC	TT	1940280391
SNP_P1_58922_16287429	NC_021163.1	Ca_kabuli_chr04	16287429	TT	GG	1940280392
SNP_P1_58923_16295464	NC_021163.1	Ca_kabuli_chr04	16295464	CC	TT	1940280394
SNP_P1_58924_16295588	NC_021163.1	Ca_kabuli_chr04	16295588	GG	AA	1940280395
SNP_P1_58925_16296113	NC_021163.1	Ca_kabuli_chr04	16296113	AA	GG	1940280397
SNP_P1_58926_16298127	NC_021163.1	Ca_kabuli_chr04	16298127	GG	TT	1940280399
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SNP_P1_58931_16330669	NC_021163.1	Ca_kabuli_chr04	16330669	GG	AA	1940280405
SNP_P1_58932_16330676	NC_021163.1	Ca_kabuli_chr04	16330676	GG	AA	1940280407
SNP_P1_58933_16334373	NC_021163.1	Ca_kabuli_chr04	16334373	CC	AA	1940280409
SNP_P1_58935_16341303	NC_021163.1	Ca_kabuli_chr04	16341303	TT	AA	1940280410
SNP_P1_58936_16346793	NC_021163.1	Ca_kabuli_chr04	16346793	CC	AA	1940280412
SNP_P1_58937_16352323	NC_021163.1	Ca_kabuli_chr04	16352323	CC	TT	1940280413
SNP_P1_58938_16355352	NC_021163.1	Ca_kabuli_chr04	16355352	CC	TT	1940280415

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58941_16366563	NC_021163.1	Ca_kabuli_chr04	16366563	GG	AA	1940280420
SNP_P1_58942_16371213	NC_021163.1	Ca_kabuli_chr04	16371213	AA	TT	1940280422
SNP_P1_58943_16399509	NC_021163.1	Ca_kabuli_chr04	16399509	TT	GG	1940280423
SNP_P1_58944_16399519	NC_021163.1	Ca_kabuli_chr04	16399519	GG	TT	1940280425
SNP_P1_58945_16404619	NC_021163.1	Ca_kabuli_chr04	16404619	CC	TT	1940280426
SNP_P1_58946_16411130	NC_021163.1	Ca_kabuli_chr04	16411130	CC	GG	1940280428
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SNP_P1_58951_16498518	NC_021163.1	Ca_kabuli_chr04	16498518	CC	TT	1940280433
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SNP_P1_58953_16522570	NC_021163.1	Ca_kabuli_chr04	16522570	AA	GG	1940280436
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SNP_P1_58956_16551893	NC_021163.1	Ca_kabuli_chr04	16551893	AA	TT	1940280441
SNP_P1_58958_16576161	NC_021163.1	Ca_kabuli_chr04	16576161	GG	TT	1940280442
SNP_P1_58959_16576206	NC_021163.1	Ca_kabuli_chr04	16576206	TT	AA	1940280444
SNP_P1_58960_16576400	NC_021163.1	Ca_kabuli_chr04	16576400	AA	GG	1940280445
SNP_P1_58961_16576410	NC_021163.1	Ca_kabuli_chr04	16576410	GG	AA	1940280447
SNP_P1_58962_16576418	NC_021163.1	Ca_kabuli_chr04	16576418	TT	AA	1940280448
SNP_P1_58963_16576419	NC_021163.1	Ca_kabuli_chr04	16576419	TT	CC	1940280450
SNP_P1_58964_16576426	NC_021163.1	Ca_kabuli_chr04	16576426	CC	AA	1940280452
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SNP_P1_58966_16582672	NC_021163.1	Ca_kabuli_chr04	16582672	CC	GG	1940280455
SNP_P1_58967_16582695	NC_021163.1	Ca_kabuli_chr04	16582695	TT	GG	1940280456
SNP_P1_58968_16582709	NC_021163.1	Ca_kabuli_chr04	16582709	GG	CC	1940280458
SNP_P1_58969_16583518	NC_021163.1	Ca_kabuli_chr04	16583518	TT	CC	1940280459
SNP_P1_58970_16584739	NC_021163.1	Ca_kabuli_chr04	16584739	CC	GG	1940280461
SNP_P1_58971_16593865	NC_021163.1	Ca_kabuli_chr04	16593865	CC	TT	1940280463
SNP_P1_58972_16594182	NC_021163.1	Ca_kabuli_chr04	16594182	CC	TT	1940280464
SNP_P1_58973_16605926	NC_021163.1	Ca_kabuli_chr04	16605926	CC	AA	1940280466
SNP_P1_58975_16652809	NC_021163.1	Ca_kabuli_chr04	16652809	CC	AA	1940280467
SNP_P1_58976_16665244	NC_021163.1	Ca_kabuli_chr04	16665244	GG	AA	1940280469
SNP_P1_58978_16688862	NC_021163.1	Ca_kabuli_chr04	16688862	AA	GG	1940280471
SNP_P1_58980_16704147	NC_021163.1	Ca_kabuli_chr04	16704147	CC	GG	1940280472
SNP_P1_58982_16722443	NC_021163.1	Ca_kabuli_chr04	16722443	CC	TT	1940280474
SNP_P1_58983_16724913	NC_021163.1	Ca_kabuli_chr04	16724913	GG	AA	1940280475
SNP_P1_58984_16727713	NC_021163.1	Ca_kabuli_chr04	16727713	AA	TT	1940280477
SNP_P1_58985_16728707	NC_021163.1	Ca_kabuli_chr04	16728707	CC	TT	1940280479
SNP_P1_58986_16740611	NC_021163.1	Ca_kabuli_chr04	16740611	GG	AA	1940280480
SNP_P1_58987_16742257	NC_021163.1	Ca_kabuli_chr04	16742257	AA	GG	1940280482

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_58991_16796930	NC_021163.1	Ca_kabuli_chr04	16796930	CC	AA	1940280485
SNP_P1_58992_16803789	NC_021163.1	Ca_kabuli_chr04	16803789	AA	TT	1940280487
SNP_P1_58993_16826085	NC_021163.1	Ca_kabuli_chr04	16826085	GG	AA	1940280488
SNP_P1_58994_16826107	NC_021163.1	Ca_kabuli_chr04	16826107	CC	TT	1940280490
SNP_P1_59002_16879410	NC_021163.1	Ca_kabuli_chr04	16879410	AA	GG	1940280491
SNP_P1_59003_16879411	NC_021163.1	Ca_kabuli_chr04	16879411	AA	GG	1940280493
SNP_P1_59004_16879461	NC_021163.1	Ca_kabuli_chr04	16879461	AA	GG	1940280495
SNP_P1_59005_16879707	NC_021163.1	Ca_kabuli_chr04	16879707	AA	CC	1940280496
SNP_P1_59006_16879738	NC_021163.1	Ca_kabuli_chr04	16879738	CC	TT	1940280498
SNP_P1_59007_16879754	NC_021163.1	Ca_kabuli_chr04	16879754	AA	GG	1940280500
SNP_P1_59008_16883439	NC_021163.1	Ca_kabuli_chr04	16883439	CC	TT	1940280501
SNP_P1_59009_16891814	NC_021163.1	Ca_kabuli_chr04	16891814	CC	AA	1940280503
SNP_P1_59010_16906791	NC_021163.1	Ca_kabuli_chr04	16906791	GG	AA	1940280504
SNP_P1_59011_16906801	NC_021163.1	Ca_kabuli_chr04	16906801	CC	AA	1940280506
SNP_P1_59012_16911923	NC_021163.1	Ca_kabuli_chr04	16911923	TT	GG	1940280508
SNP_P1_59013_16913891	NC_021163.1	Ca_kabuli_chr04	16913891	CC	TT	1940280509
SNP_P1_59016_16936300	NC_021163.1	Ca_kabuli_chr04	16936300	CC	TT	1940280511
SNP_P1_59017_16936896	NC_021163.1	Ca_kabuli_chr04	16936896	TT	AA	1940280512
SNP_P1_59018_16936912	NC_021163.1	Ca_kabuli_chr04	16936912	TT	CC	1940280514
SNP_P1_59019_16936947	NC_021163.1	Ca_kabuli_chr04	16936947	TT	CC	1940280516
SNP_P1_59020_16942123	NC_021163.1	Ca_kabuli_chr04	16942123	AA	CC	1940280517
SNP_P1_59021_16943134	NC_021163.1	Ca_kabuli_chr04	16943134	TT	CC	1940280519
SNP_P1_59023_16943240	NC_021163.1	Ca_kabuli_chr04	16943240	GG	AA	1940280520
SNP_P1_59025_16944457	NC_021163.1	Ca_kabuli_chr04	16944457	GG	AA	1940280522
SNP_P1_59026_16957491	NC_021163.1	Ca_kabuli_chr04	16957491	AA	GG	1940280524
SNP_P1_59028_16961142	NC_021163.1	Ca_kabuli_chr04	16961142	TT	CC	1940280525
SNP_P1_59029_16978881	NC_021163.1	Ca_kabuli_chr04	16978881	AA	CC	1940280527
SNP_P1_59030_16981920	NC_021163.1	Ca_kabuli_chr04	16981920	AA	CC	1940280528
SNP_P1_59031_16982104	NC_021163.1	Ca_kabuli_chr04	16982104	GG	AA	1940280530
SNP_P1_59032_16983455	NC_021163.1	Ca_kabuli_chr04	16983455	CC	TT	1940280532
SNP_P1_59034_16984427	NC_021163.1	Ca_kabuli_chr04	16984427	TT	AA	1940280533
SNP_P1_59035_16984435	NC_021163.1	Ca_kabuli_chr04	16984435	AA	TT	1940280535
SNP_P1_59036_16987305	NC_021163.1	Ca_kabuli_chr04	16987305	AA	CC	1940280536
SNP_P1_59037_16987383	NC_021163.1	Ca_kabuli_chr04	16987383	TT	CC	1940280538
SNP_P1_59038_16988407	NC_021163.1	Ca_kabuli_chr04	16988407	AA	TT	1940280540
SNP_P1_59040_16989686	NC_021163.1	Ca_kabuli_chr04	16989686	TT	CC	1940280541
SNP_P1_59041_16990299	NC_021163.1	Ca_kabuli_chr04	16990299	CC	AA	1940280543
SNP_P1_59043_16991407	NC_021163.1	Ca_kabuli_chr04	16991407	GG	CC	1940280545
SNP_P1_59044_16993406	NC_021163.1	Ca_kabuli_chr04	16993406	AA	CC	1940280546
SNP_P1_59045_16995501	NC_021163.1	Ca_kabuli_chr04	16995501	AA	GG	1940280548
SNP_P1_59046_16997665	NC_021163.1	Ca_kabuli_chr04	16997665	AA	TT	1940280549

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59048_16998113	NC_021163.1	Ca_kabuli_chr04	16998113	TT	CC	1940280553
SNP_P1_59049_16998132	NC_021163.1	Ca_kabuli_chr04	16998132	GG	AA	1940280555
SNP_P1_59050_16998301	NC_021163.1	Ca_kabuli_chr04	16998301	TT	CC	1940280556
SNP_P1_59051_16999529	NC_021163.1	Ca_kabuli_chr04	16999529	CC	AA	1940280558
SNP_P1_59053_17001121	NC_021163.1	Ca_kabuli_chr04	17001121	GG	AA	1940280559
SNP_P1_59054_17001449	NC_021163.1	Ca_kabuli_chr04	17001449	CC	TT	1940280560
SNP_P1_59055_17002727	NC_021163.1	Ca_kabuli_chr04	17002727	GG	TT	1940280562
SNP_P1_59056_17002730	NC_021163.1	Ca_kabuli_chr04	17002730	TT	CC	1940280564
SNP_P1_59057_17002801	NC_021163.1	Ca_kabuli_chr04	17002801	CC	TT	1940280565
SNP_P1_59058_17002802	NC_021163.1	Ca_kabuli_chr04	17002802	AA	GG	1940280567
SNP_P1_59059_17003041	NC_021163.1	Ca_kabuli_chr04	17003041	CC	TT	1940280568
SNP_P1_59060_17003059	NC_021163.1	Ca_kabuli_chr04	17003059	GG	AA	1940280570
SNP_P1_59061_17003060	NC_021163.1	Ca_kabuli_chr04	17003060	AA	GG	1940280572
SNP_P1_59062_17003065	NC_021163.1	Ca_kabuli_chr04	17003065	GG	AA	1940280573
SNP_P1_59063_17003080	NC_021163.1	Ca_kabuli_chr04	17003080	GG	AA	1940280575
SNP_P1_59064_17003084	NC_021163.1	Ca_kabuli_chr04	17003084	GG	TT	1940280576
SNP_P1_59065_17003599	NC_021163.1	Ca_kabuli_chr04	17003599	GG	AA	1940280578
SNP_P1_59066_17003939	NC_021163.1	Ca_kabuli_chr04	17003939	TT	CC	1940280580
SNP_P1_59067_17003942	NC_021163.1	Ca_kabuli_chr04	17003942	GG	AA	1940280581
SNP_P1_59068_17003953	NC_021163.1	Ca_kabuli_chr04	17003953	GG	AA	1940280583
SNP_P1_59069_17003961	NC_021163.1	Ca_kabuli_chr04	17003961	TT	GG	1940280584
SNP_P1_59070_17004001	NC_021163.1	Ca_kabuli_chr04	17004001	TT	GG	1940280586
SNP_P1_59071_17007318	NC_021163.1	Ca_kabuli_chr04	17007318	AA	TT	1940280588
SNP_P1_59072_17007515	NC_021163.1	Ca_kabuli_chr04	17007515	GG	CC	1940280589
SNP_P1_59073_17007520	NC_021163.1	Ca_kabuli_chr04	17007520	AA	GG	1940280591
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SNP_P1_59075_17010753	NC_021163.1	Ca_kabuli_chr04	17010753	TT	CC	1940280594
SNP_P1_59077_17011218	NC_021163.1	Ca_kabuli_chr04	17011218	TT	GG	1940280596
SNP_P1_59078_17011438	NC_021163.1	Ca_kabuli_chr04	17011438	GG	TT	1940280597
SNP_P1_59079_17011490	NC_021163.1	Ca_kabuli_chr04	17011490	AA	CC	1940280599
SNP_P1_59080_17011559	NC_021163.1	Ca_kabuli_chr04	17011559	AA	GG	1940280601
SNP_P1_59082_17012674	NC_021163.1	Ca_kabuli_chr04	17012674	TT	CC	1940280602
SNP_P1_59084_17013283	NC_021163.1	Ca_kabuli_chr04	17013283	CC	TT	1940280604
SNP_P1_59085_17013308	NC_021163.1	Ca_kabuli_chr04	17013308	CC	AA	1940280605
SNP_P1_59086_17013332	NC_021163.1	Ca_kabuli_chr04	17013332	CC	AA	1940280607
SNP_P1_59087_17015202	NC_021163.1	Ca_kabuli_chr04	17015202	TT	CC	1940280609
SNP_P1_59088_17015417	NC_021163.1	Ca_kabuli_chr04	17015417	CC	AA	1940280610
SNP_P1_59089_17015429	NC_021163.1	Ca_kabuli_chr04	17015429	TT	CC	1940280612
SNP_P1_59090_17015434	NC_021163.1	Ca_kabuli_chr04	17015434	CC	TT	1940280613
SNP_P1_59091_17015484	NC_021163.1	Ca_kabuli_chr04	17015484	GG	TT	1940280615
SNP_P1_59092_17016232	NC_021163.1	Ca_kabuli_chr04	17016232	GG	CC	1940280617

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59094_17016285	NC_021163.1	Ca_kabuli_chr04	17016285	TT	CC	1940280620
SNP_P1_59097_17017719	NC_021163.1	Ca_kabuli_chr04	17017719	CC	AA	1940280621
SNP_P1_59099_17017800	NC_021163.1	Ca_kabuli_chr04	17017800	TT	AA	1940280623
SNP_P1_59100_17017809	NC_021163.1	Ca_kabuli_chr04	17017809	GG	AA	1940280625
SNP_P1_59101_17017815	NC_021163.1	Ca_kabuli_chr04	17017815	GG	AA	1940280626
SNP_P1_59102_17017825	NC_021163.1	Ca_kabuli_chr04	17017825	TT	GG	1940280628
SNP_P1_59103_17018011	NC_021163.1	Ca_kabuli_chr04	17018011	AA	TT	1940280629
SNP_P1_59104_17018078	NC_021163.1	Ca_kabuli_chr04	17018078	CC	TT	1940280631
SNP_P1_59105_17019695	NC_021163.1	Ca_kabuli_chr04	17019695	GG	CC	1940280633
SNP_P1_59106_17019711	NC_021163.1	Ca_kabuli_chr04	17019711	TT	AA	1940280634
SNP_P1_59107_17019728	NC_021163.1	Ca_kabuli_chr04	17019728	AA	TT	1940280636
SNP_P1_59108_17019765	NC_021163.1	Ca_kabuli_chr04	17019765	AA	TT	1940280637
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SNP_P1_59110_17020241	NC_021163.1	Ca_kabuli_chr04	17020241	TT	CC	1940280641
SNP_P1_59111_17021843	NC_021163.1	Ca_kabuli_chr04	17021843	TT	CC	1940280642
SNP_P1_59112_17021894	NC_021163.1	Ca_kabuli_chr04	17021894	GG	TT	1940280644
SNP_P1_59113_17021895	NC_021163.1	Ca_kabuli_chr04	17021895	TT	AA	1940280645
SNP_P1_59114_17022960	NC_021163.1	Ca_kabuli_chr04	17022960	GG	AA	1940280647
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SNP_P1_59116_17023062	NC_021163.1	Ca_kabuli_chr04	17023062	AA	TT	1940280650
SNP_P1_59117_17023076	NC_021163.1	Ca_kabuli_chr04	17023076	GG	AA	1940280652
SNP_P1_59118_17023091	NC_021163.1	Ca_kabuli_chr04	17023091	TT	CC	1940280653
SNP_P1_59119_17023158	NC_021163.1	Ca_kabuli_chr04	17023158	AA	TT	1940280655
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SNP_P1_59121_17023986	NC_021163.1	Ca_kabuli_chr04	17023986	CC	AA	1940280658
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SNP_P1_59123_17024096	NC_021163.1	Ca_kabuli_chr04	17024096	CC	TT	1940280661
SNP_P1_59124_17025588	NC_021163.1	Ca_kabuli_chr04	17025588	TT	CC	1940280663
SNP_P1_59125_17025956	NC_021163.1	Ca_kabuli_chr04	17025956	CC	AA	1940280664
SNP_P1_59127_17029374	NC_021163.1	Ca_kabuli_chr04	17029374	AA	GG	1940280666
SNP_P1_59130_17030566	NC_021163.1	Ca_kabuli_chr04	17030566	GG	AA	1940280668
SNP_P1_59131_17031171	NC_021163.1	Ca_kabuli_chr04	17031171	CC	TT	1940280669
SNP_P1_59133_17031736	NC_021163.1	Ca_kabuli_chr04	17031736	CC	GG	1940280671
SNP_P1_59134_17032673	NC_021163.1	Ca_kabuli_chr04	17032673	TT	CC	1940280672
SNP_P1_59135_17033089	NC_021163.1	Ca_kabuli_chr04	17033089	CC	TT	1940280674
SNP_P1_59136_17036052	NC_021163.1	Ca_kabuli_chr04	17036052	TT	GG	1940280676
SNP_P1_59138_17036719	NC_021163.1	Ca_kabuli_chr04	17036719	AA	TT	1940280677
SNP_P1_59140_17039223	NC_021163.1	Ca_kabuli_chr04	17039223	TT	CC	1940280679
SNP_P1_59141_17039327	NC_021163.1	Ca_kabuli_chr04	17039327	GG	CC	1940280681
SNP_P1_59142_17039488	NC_021163.1	Ca_kabuli_chr04	17039488	CC	TT	1940280683
SNP_P1_59143_17039788	NC_021163.1	Ca_kabuli_chr04	17039788	AA	TT	1940280684

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59146_17040068	NC_021163.1	Ca_kabuli_chr04	17040068	GG	AA	1940280689
SNP_P1_59147_17040121	NC_021163.1	Ca_kabuli_chr04	17040121	CC	TT	1940280691
SNP_P1_59149_17041262	NC_021163.1	Ca_kabuli_chr04	17041262	CC	GG	1940280692
SNP_P1_59150_17041279	NC_021163.1	Ca_kabuli_chr04	17041279	GG	AA	1940280694
SNP_P1_59151_17041509	NC_021163.1	Ca_kabuli_chr04	17041509	TT	AA	1940280695
SNP_P1_59152_17041512	NC_021163.1	Ca_kabuli_chr04	17041512	TT	AA	1940280697
SNP_P1_59154_17044210	NC_021163.1	Ca_kabuli_chr04	17044210	CC	TT	1940280698
SNP_P1_59155_17044936	NC_021163.1	Ca_kabuli_chr04	17044936	CC	TT	1940280700
SNP_P1_59156_17045005	NC_021163.1	Ca_kabuli_chr04	17045005	TT	CC	1940280701
SNP_P1_59157_17045240	NC_021163.1	Ca_kabuli_chr04	17045240	AA	GG	1940280703
SNP_P1_59158_17045889	NC_021163.1	Ca_kabuli_chr04	17045889	CC	GG	1940280704
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SNP_P1_59163_17049032	NC_021163.1	Ca_kabuli_chr04	17049032	GG	TT	1940280709
SNP_P1_59164_17049149	NC_021163.1	Ca_kabuli_chr04	17049149	TT	GG	1940280711
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SNP_P1_59167_17049530	NC_021163.1	Ca_kabuli_chr04	17049530	TT	GG	1940280714
SNP_P1_59169_17050149	NC_021163.1	Ca_kabuli_chr04	17050149	GG	TT	1940280715
SNP_P1_59170_17051350	NC_021163.1	Ca_kabuli_chr04	17051350	AA	CC	1940280717
SNP_P1_59172_17051808	NC_021163.1	Ca_kabuli_chr04	17051808	TT	GG	1940280719
SNP_P1_59173_17052836	NC_021163.1	Ca_kabuli_chr04	17052836	AA	TT	1940280720
SNP_P1_59175_17053923	NC_021163.1	Ca_kabuli_chr04	17053923	CC	TT	1940280722
SNP_P1_59176_17053924	NC_021163.1	Ca_kabuli_chr04	17053924	CC	AA	1940280723
SNP_P1_59177_17056899	NC_021163.1	Ca_kabuli_chr04	17056899	TT	CC	1940280725
SNP_P1_59178_17057536	NC_021163.1	Ca_kabuli_chr04	17057536	AA	GG	1940280726
SNP_P1_59179_17057617	NC_021163.1	Ca_kabuli_chr04	17057617	GG	AA	1940280728
SNP_P1_59180_17058510	NC_021163.1	Ca_kabuli_chr04	17058510	TT	CC	1940280730
SNP_P1_59181_17058563	NC_021163.1	Ca_kabuli_chr04	17058563	AA	TT	1940280731
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SNP_P1_59183_17060164	NC_021163.1	Ca_kabuli_chr04	17060164	GG	CC	1940280734
SNP_P1_59184_17060398	NC_021163.1	Ca_kabuli_chr04	17060398	CC	TT	1940280736
SNP_P1_59185_17060418	NC_021163.1	Ca_kabuli_chr04	17060418	TT	CC	1940280738
SNP_P1_59186_17060448	NC_021163.1	Ca_kabuli_chr04	17060448	GG	TT	1940280739
SNP_P1_59187_17060766	NC_021163.1	Ca_kabuli_chr04	17060766	AA	CC	1940280741
SNP_P1_59188_17061082	NC_021163.1	Ca_kabuli_chr04	17061082	AA	TT	1940280742
SNP_P1_59189_17061804	NC_021163.1	Ca_kabuli_chr04	17061804	AA	TT	1940280744
SNP_P1_59190_17061840	NC_021163.1	Ca_kabuli_chr04	17061840	GG	CC	1940280746
SNP_P1_59193_17063298	NC_021163.1	Ca_kabuli_chr04	17063298	GG	AA	1940280747
SNP_P1_59194_17063312	NC_021163.1	Ca_kabuli_chr04	17063312	AA	TT	1940280749
SNP_P1_59195_17063337	NC_021163.1	Ca_kabuli_chr04	17063337	AA	TT	1940280750

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_59197_17063625	NC_021163.1	Ca_kabuli_chr04	17063625	GG	AA	1940280752
SNP_P1_59198_17063734	NC_021163.1	Ca_kabuli_chr04	17063734	AA	GG	1940280754
SNP_P1_59199_17063788	NC_021163.1	Ca_kabuli_chr04	17063788	CC	TT	1940280755
SNP_P1_59201_17063849	NC_021163.1	Ca_kabuli_chr04	17063849	TT	AA	1940280757
SNP_P1_59202_17063855	NC_021163.1	Ca_kabuli_chr04	17063855	CC	TT	1940280758
SNP_P1_59203_17064735	NC_021163.1	Ca_kabuli_chr04	17064735	AA	GG	1940280760
SNP_P1_59204_17064832	NC_021163.1	Ca_kabuli_chr04	17064832	GG	AA	1940280762
SNP_P1_59205_17064986	NC_021163.1	Ca_kabuli_chr04	17064986	AA	CC	1940280763
SNP_P1_59206_17065029	NC_021163.1	Ca_kabuli_chr04	17065029	GG	AA	1940280765
SNP_P1_59209_17067054	NC_021163.1	Ca_kabuli_chr04	17067054	TT	CC	1940280766
SNP_P1_59211_17067137	NC_021163.1	Ca_kabuli_chr04	17067137	TT	AA	1940280768
SNP_P1_59214_17067194	NC_021163.1	Ca_kabuli_chr04	17067194	GG	AA	1940280769
SNP_P1_59215_17071708	NC_021163.1	Ca_kabuli_chr04	17071708	TT	AA	1940280771
SNP_P1_59217_17072501	NC_021163.1	Ca_kabuli_chr04	17072501	TT	CC	1940280773
SNP_P1_59218_17073989	NC_021163.1	Ca_kabuli_chr04	17073989	AA	GG	1940280775
SNP_P1_59220_17081211	NC_021163.1	Ca_kabuli_chr04	17081211	TT	CC	1940280776
SNP_P1_59221_17081510	NC_021163.1	Ca_kabuli_chr04	17081510	AA	GG	1940280778
SNP_P1_59222_17081524	NC_021163.1	Ca_kabuli_chr04	17081524	GG	AA	1940280779
SNP_P1_59223_17081536	NC_021163.1	Ca_kabuli_chr04	17081536	AA	GG	1940280781
SNP_P1_59224_17081546	NC_021163.1	Ca_kabuli_chr04	17081546	CC	TT	1940280782
SNP_P1_59225_17081588	NC_021163.1	Ca_kabuli_chr04	17081588	GG	AA	1940280784
SNP_P1_59226_17081628	NC_021163.1	Ca_kabuli_chr04	17081628	AA	GG	1940280786
SNP_P1_59227_17081639	NC_021163.1	Ca_kabuli_chr04	17081639	AA	GG	1940280787
SNP_P1_59229_17081694	NC_021163.1	Ca_kabuli_chr04	17081694	TT	GG	1940280789
SNP_P1_59232_17081945	NC_021163.1	Ca_kabuli_chr04	17081945	AA	TT	1940280790
SNP_P1_59233_17081985	NC_021163.1	Ca_kabuli_chr04	17081985	AA	TT	1940280792
SNP_P1_59235_17082019	NC_021163.1	Ca_kabuli_chr04	17082019	AA	TT	1940280794
SNP_P1_59236_17082185	NC_021163.1	Ca_kabuli_chr04	17082185	GG	AA	1940280795
SNP_P1_59237_17082216	NC_021163.1	Ca_kabuli_chr04	17082216	TT	CC	1940280797
SNP_P1_59239_17086904	NC_021163.1	Ca_kabuli_chr04	17086904	GG	AA	1940280799
SNP_P1_59240_17087031	NC_021163.1	Ca_kabuli_chr04	17087031	GG	AA	1940280800
SNP_P1_59241_17087866	NC_021163.1	Ca_kabuli_chr04	17087866	AA	GG	1940280802
SNP_P1_59242_17088154	NC_021163.1	Ca_kabuli_chr04	17088154	AA	CC	1940280803
SNP_P1_59243_17089421	NC_021163.1	Ca_kabuli_chr04	17089421	CC	TT	1940280805
SNP_P1_59244_17089961	NC_021163.1	Ca_kabuli_chr04	17089961	AA	TT	1940280806
SNP_P1_59246_17090584	NC_021163.1	Ca_kabuli_chr04	17090584	AA	GG	1940280808
SNP_P1_59248_17094772	NC_021163.1	Ca_kabuli_chr04	17094772	GG	CC	1940280810
SNP_P1_59249_17095041	NC_021163.1	Ca_kabuli_chr04	17095041	GG	AA	1940280811
SNP_P1_59251_17095145	NC_021163.1	Ca_kabuli_chr04	17095145	GG	AA	1940280812
SNP_P1_59252_17095262	NC_021163.1	Ca_kabuli_chr04	17095262	AA	GG	1940280814
SNP_P1_59253_17095714	NC_021163.1	Ca_kabuli_chr04	17095714	AA	TT	1940280815
SNP_P1_59255_17095977	NC_021163.1	Ca_kabuli_chr04	17095977	GG	AA	1940280817

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59258_17096081	NC_021163.1	Ca_kabuli_chr04	17096081	TT	CC	1940280820
SNP_P1_59259_17096125	NC_021163.1	Ca_kabuli_chr04	17096125	GG	AA	1940280822
SNP_P1_59260_17096298	NC_021163.1	Ca_kabuli_chr04	17096298	GG	AA	1940280823
SNP_P1_59261_17096299	NC_021163.1	Ca_kabuli_chr04	17096299	TT	CC	1940280825
SNP_P1_59262_17096309	NC_021163.1	Ca_kabuli_chr04	17096309	CC	TT	1940280826
SNP_P1_59264_17096696	NC_021163.1	Ca_kabuli_chr04	17096696	CC	TT	1940280828
SNP_P1_59265_17096700	NC_021163.1	Ca_kabuli_chr04	17096700	GG	TT	1940280830
SNP_P1_59266_17096703	NC_021163.1	Ca_kabuli_chr04	17096703	GG	AA	1940280831
SNP_P1_59267_17096710	NC_021163.1	Ca_kabuli_chr04	17096710	CC	AA	1940280833
SNP_P1_59268_17096711	NC_021163.1	Ca_kabuli_chr04	17096711	TT	CC	1940280835
SNP_P1_59270_17096836	NC_021163.1	Ca_kabuli_chr04	17096836	CC	TT	1940280836
SNP_P1_59271_17096883	NC_021163.1	Ca_kabuli_chr04	17096883	TT	GG	1940280838
SNP_P1_59272_17096920	NC_021163.1	Ca_kabuli_chr04	17096920	GG	CC	1940280839
SNP_P1_59273_17096928	NC_021163.1	Ca_kabuli_chr04	17096928	AA	CC	1940280841
SNP_P1_59274_17096939	NC_021163.1	Ca_kabuli_chr04	17096939	TT	CC	1940280843
SNP_P1_59275_17097112	NC_021163.1	Ca_kabuli_chr04	17097112	AA	CC	1940280844
SNP_P1_59277_17097172	NC_021163.1	Ca_kabuli_chr04	17097172	GG	AA	1940280846
SNP_P1_59278_17097192	NC_021163.1	Ca_kabuli_chr04	17097192	TT	AA	1940280847
SNP_P1_59279_17097221	NC_021163.1	Ca_kabuli_chr04	17097221	CC	AA	1940280849
SNP_P1_59280_17098365	NC_021163.1	Ca_kabuli_chr04	17098365	AA	CC	1940280851
SNP_P1_59281_17098382	NC_021163.1	Ca_kabuli_chr04	17098382	AA	CC	1940280852
SNP_P1_59282_17098383	NC_021163.1	Ca_kabuli_chr04	17098383	TT	CC	1940280854
SNP_P1_59283_17098398	NC_021163.1	Ca_kabuli_chr04	17098398	TT	CC	1940280855
SNP_P1_59284_17099330	NC_021163.1	Ca_kabuli_chr04	17099330	TT	GG	1940280857
SNP_P1_59285_17099356	NC_021163.1	Ca_kabuli_chr04	17099356	GG	AA	1940280859
SNP_P1_59286_17099366	NC_021163.1	Ca_kabuli_chr04	17099366	GG	AA	1940280860
SNP_P1_59287_17099400	NC_021163.1	Ca_kabuli_chr04	17099400	TT	CC	1940280862
SNP_P1_59288_17099643	NC_021163.1	Ca_kabuli_chr04	17099643	GG	AA	1940280863
SNP_P1_59289_17099664	NC_021163.1	Ca_kabuli_chr04	17099664	TT	GG	1940280865
SNP_P1_59292_17101264	NC_021163.1	Ca_kabuli_chr04	17101264	CC	TT	1940280866
SNP_P1_59296_17101475	NC_021163.1	Ca_kabuli_chr04	17101475	CC	TT	1940280870
SNP_P1_59297_17101572	NC_021163.1	Ca_kabuli_chr04	17101572	GG	AA	1940280871
SNP_P1_59300_17101728	NC_021163.1	Ca_kabuli_chr04	17101728	TT	CC	1940280873
SNP_P1_59301_17101928	NC_021163.1	Ca_kabuli_chr04	17101928	CC	TT	1940280875
SNP_P1_59302_17101936	NC_021163.1	Ca_kabuli_chr04	17101936	GG	AA	1940280877
SNP_P1_59304_17101999	NC_021163.1	Ca_kabuli_chr04	17101999	TT	AA	1940280878
SNP_P1_59305_17102009	NC_021163.1	Ca_kabuli_chr04	17102009	AA	GG	1940280880
SNP_P1_59306_17102011	NC_021163.1	Ca_kabuli_chr04	17102011	TT	GG	1940280882
SNP_P1_59307_17102015	NC_021163.1	Ca_kabuli_chr04	17102015	GG	AA	1940280883
SNP_P1_59308_17102053	NC_021163.1	Ca_kabuli_chr04	17102053	GG	AA	1940280885
SNP_P1_59309_17102203	NC_021163.1	Ca_kabuli_chr04	17102203	CC	TT	1940280886

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59311_17104879	NC_021163.1	Ca_kabuli_chr04	17104879	CC	GG	1940280890
SNP_P1_59312_17105765	NC_021163.1	Ca_kabuli_chr04	17105765	GG	AA	1940280891
SNP_P1_59313_17110420	NC_021163.1	Ca_kabuli_chr04	17110420	TT	AA	1940280893
SNP_P1_59314_17115228	NC_021163.1	Ca_kabuli_chr04	17115228	AA	TT	1940280894
SNP_P1_59316_17115296	NC_021163.1	Ca_kabuli_chr04	17115296	AA	GG	1940280896
SNP_P1_59317_17115324	NC_021163.1	Ca_kabuli_chr04	17115324	TT	AA	1940280898
SNP_P1_59318_17115333	NC_021163.1	Ca_kabuli_chr04	17115333	AA	CC	1940280899
SNP_P1_59319_17115336	NC_021163.1	Ca_kabuli_chr04	17115336	AA	TT	1940280901
SNP_P1_59320_17115337	NC_021163.1	Ca_kabuli_chr04	17115337	GG	TT	1940280902
SNP_P1_59321_17116345	NC_021163.1	Ca_kabuli_chr04	17116345	TT	AA	1940280904
SNP_P1_59322_17116396	NC_021163.1	Ca_kabuli_chr04	17116396	AA	TT	1940280906
SNP_P1_59323_17116468	NC_021163.1	Ca_kabuli_chr04	17116468	TT	CC	1940280907
SNP_P1_59325_17131112	NC_021163.1	Ca_kabuli_chr04	17131112	GG	CC	1940280909
SNP_P1_59327_17131403	NC_021163.1	Ca_kabuli_chr04	17131403	AA	GG	1940280910
SNP_P1_59328_17131405	NC_021163.1	Ca_kabuli_chr04	17131405	TT	AA	1940280912
SNP_P1_59329_17131739	NC_021163.1	Ca_kabuli_chr04	17131739	AA	GG	1940280913
SNP_P1_59331_17131929	NC_021163.1	Ca_kabuli_chr04	17131929	AA	GG	1940280915
SNP_P1_59332_17131977	NC_021163.1	Ca_kabuli_chr04	17131977	CC	TT	1940280917
SNP_P1_59333_17132190	NC_021163.1	Ca_kabuli_chr04	17132190	AA	GG	1940280918
SNP_P1_59334_17132276	NC_021163.1	Ca_kabuli_chr04	17132276	TT	CC	1940280920
SNP_P1_59335_17132290	NC_021163.1	Ca_kabuli_chr04	17132290	CC	TT	1940280922
SNP_P1_59336_17133083	NC_021163.1	Ca_kabuli_chr04	17133083	GG	AA	1940280923
SNP_P1_59337_17133253	NC_021163.1	Ca_kabuli_chr04	17133253	AA	GG	1940280925
SNP_P1_59338_17133306	NC_021163.1	Ca_kabuli_chr04	17133306	CC	AA	1940280926
SNP_P1_59339_17133450	NC_021163.1	Ca_kabuli_chr04	17133450	CC	TT	1940280928
SNP_P1_59340_17133466	NC_021163.1	Ca_kabuli_chr04	17133466	TT	CC	1940280929
SNP_P1_59341_17133490	NC_021163.1	Ca_kabuli_chr04	17133490	AA	TT	1940280931
SNP_P1_59342_17133563	NC_021163.1	Ca_kabuli_chr04	17133563	AA	GG	1940280933
SNP_P1_59343_17133570	NC_021163.1	Ca_kabuli_chr04	17133570	AA	GG	1940280934
SNP_P1_59344_17134135	NC_021163.1	Ca_kabuli_chr04	17134135	TT	AA	1940280936
SNP_P1_59345_17134444	NC_021163.1	Ca_kabuli_chr04	17134444	AA	GG	1940280938
SNP_P1_59346_17134450	NC_021163.1	Ca_kabuli_chr04	17134450	AA	CC	1940280939
SNP_P1_59347_17135330	NC_021163.1	Ca_kabuli_chr04	17135330	GG	AA	1940280941
SNP_P1_59348_17135566	NC_021163.1	Ca_kabuli_chr04	17135566	GG	AA	1940280942
SNP_P1_59349_17135633	NC_021163.1	Ca_kabuli_chr04	17135633	AA	GG	1940280944
SNP_P1_59350_17136059	NC_021163.1	Ca_kabuli_chr04	17136059	GG	CC	1940280945
SNP_P1_59351_17136474	NC_021163.1	Ca_kabuli_chr04	17136474	TT	CC	1940280947
SNP_P1_59352_17136492	NC_021163.1	Ca_kabuli_chr04	17136492	AA	TT	1940280949
SNP_P1_59353_17136495	NC_021163.1	Ca_kabuli_chr04	17136495	AA	TT	1940280950
SNP_P1_59354_17136498	NC_021163.1	Ca_kabuli_chr04	17136498	TT	CC	1940280952
SNP_P1_59355_17137519	NC_021163.1	Ca_kabuli_chr04	17137519	AA	GG	1940280953

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_59356_17137627	NC_021163.1	Ca_kabuli_chr04	17137627	AA	GG	1940280955
SNP_P1_59358_17137665	NC_021163.1	Ca_kabuli_chr04	17137665	AA	TT	1940280957
SNP_P1_59359_17137862	NC_021163.1	Ca_kabuli_chr04	17137862	TT	CC	1940280958
SNP_P1_59361_17137889	NC_021163.1	Ca_kabuli_chr04	17137889	AA	GG	1940280960
SNP_P1_59362_17137938	NC_021163.1	Ca_kabuli_chr04	17137938	TT	AA	1940280962
SNP_P1_59365_17143087	NC_021163.1	Ca_kabuli_chr04	17143087	TT	CC	1940280963
SNP_P1_59366_17143326	NC_021163.1	Ca_kabuli_chr04	17143326	GG	TT	1940280965
SNP_P1_59367_17143336	NC_021163.1	Ca_kabuli_chr04	17143336	CC	TT	1940280966
SNP_P1_59368_17143399	NC_021163.1	Ca_kabuli_chr04	17143399	CC	TT	1940280968
SNP_P1_59369_17143417	NC_021163.1	Ca_kabuli_chr04	17143417	GG	AA	1940280970
SNP_P1_59370_17143452	NC_021163.1	Ca_kabuli_chr04	17143452	GG	AA	1940280971
SNP_P1_59372_17143634	NC_021163.1	Ca_kabuli_chr04	17143634	GG	AA	1940280972
SNP_P1_59374_17143717	NC_021163.1	Ca_kabuli_chr04	17143717	GG	AA	1940280974
SNP_P1_59375_17143737	NC_021163.1	Ca_kabuli_chr04	17143737	GG	TT	1940280976
SNP_P1_59376_17143739	NC_021163.1	Ca_kabuli_chr04	17143739	AA	GG	1940280977
SNP_P1_59377_17143775	NC_021163.1	Ca_kabuli_chr04	17143775	CC	TT	1940280979
SNP_P1_59378_17143790	NC_021163.1	Ca_kabuli_chr04	17143790	AA	GG	1940280981
SNP_P1_59379_17143806	NC_021163.1	Ca_kabuli_chr04	17143806	GG	AA	1940280982
SNP_P1_59380_17143825	NC_021163.1	Ca_kabuli_chr04	17143825	GG	AA	1940280984
SNP_P1_59381_17143834	NC_021163.1	Ca_kabuli_chr04	17143834	CC	TT	1940280985
SNP_P1_59382_17143843	NC_021163.1	Ca_kabuli_chr04	17143843	GG	CC	1940280987
SNP_P1_59383_17143855	NC_021163.1	Ca_kabuli_chr04	17143855	TT	GG	1940280989
SNP_P1_59384_17145962	NC_021163.1	Ca_kabuli_chr04	17145962	AA	CC	1940280990
SNP_P1_59385_17146565	NC_021163.1	Ca_kabuli_chr04	17146565	TT	CC	1940280992
SNP_P1_59386_17146890	NC_021163.1	Ca_kabuli_chr04	17146890	AA	TT	1940280993
SNP_P1_59387_17146923	NC_021163.1	Ca_kabuli_chr04	17146923	TT	AA	1940280995
SNP_P1_59388_17146924	NC_021163.1	Ca_kabuli_chr04	17146924	TT	AA	1940280996
SNP_P1_59389_17146933	NC_021163.1	Ca_kabuli_chr04	17146933	AA	TT	1940280998
SNP_P1_59390_17146935	NC_021163.1	Ca_kabuli_chr04	17146935	GG	AA	1940281000
SNP_P1_59392_17147537	NC_021163.1	Ca_kabuli_chr04	17147537	CC	TT	1940281001
SNP_P1_59393_17147875	NC_021163.1	Ca_kabuli_chr04	17147875	TT	CC	1940281003
SNP_P1_59394_17147926	NC_021163.1	Ca_kabuli_chr04	17147926	CC	TT	1940281004
SNP_P1_59395_17148434	NC_021163.1	Ca_kabuli_chr04	17148434	AA	GG	1940281006
SNP_P1_59396_17148894	NC_021163.1	Ca_kabuli_chr04	17148894	GG	CC	1940281008
SNP_P1_59397_17148895	NC_021163.1	Ca_kabuli_chr04	17148895	GG	AA	1940281009
SNP_P1_59398_17149190	NC_021163.1	Ca_kabuli_chr04	17149190	TT	CC	1940281011
SNP_P1_59399_17149498	NC_021163.1	Ca_kabuli_chr04	17149498	CC	TT	1940281013
SNP_P1_59400_17149577	NC_021163.1	Ca_kabuli_chr04	17149577	GG	AA	1940281014
SNP_P1_59401_17149953	NC_021163.1	Ca_kabuli_chr04	17149953	GG	TT	1940281016
SNP_P1_59402_17149959	NC_021163.1	Ca_kabuli_chr04	17149959	GG	CC	1940281018
SNP_P1_59403_17150293	NC_021163.1	Ca_kabuli_chr04	17150293	TT	GG	1940281019
SNP_P1_59404_17151571	NC_021163.1	Ca_kabuli_chr04	17151571	CC	TT	1940281021

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59406_17151693	NC_021163.1	Ca_kabuli_chr04	17151693	AA	TT	1940281024
SNP_P1_59407_17152153	NC_021163.1	Ca_kabuli_chr04	17152153	GG	AA	1940281026
SNP_P1_59408_17156597	NC_021163.1	Ca_kabuli_chr04	17156597	GG	CC	1940281027
SNP_P1_59409_17157172	NC_021163.1	Ca_kabuli_chr04	17157172	TT	CC	1940281029
SNP_P1_59410_17157245	NC_021163.1	Ca_kabuli_chr04	17157245	AA	GG	1940281030
SNP_P1_59411_17157748	NC_021163.1	Ca_kabuli_chr04	17157748	GG	CC	1940281032
SNP_P1_59413_17157814	NC_021163.1	Ca_kabuli_chr04	17157814	CC	TT	1940281033
SNP_P1_59414_17157940	NC_021163.1	Ca_kabuli_chr04	17157940	TT	CC	1940281035
SNP_P1_59415_17158098	NC_021163.1	Ca_kabuli_chr04	17158098	TT	CC	1940281037
SNP_P1_59416_17158221	NC_021163.1	Ca_kabuli_chr04	17158221	CC	AA	1940281038
SNP_P1_59417_17158231	NC_021163.1	Ca_kabuli_chr04	17158231	TT	CC	1940281040
SNP_P1_59418_17158313	NC_021163.1	Ca_kabuli_chr04	17158313	GG	AA	1940281041
SNP_P1_59419_17158336	NC_021163.1	Ca_kabuli_chr04	17158336	GG	AA	1940281043
SNP_P1_59420_17158546	NC_021163.1	Ca_kabuli_chr04	17158546	TT	CC	1940281045
SNP_P1_59421_17158559	NC_021163.1	Ca_kabuli_chr04	17158559	TT	AA	1940281046
SNP_P1_59422_17158561	NC_021163.1	Ca_kabuli_chr04	17158561	TT	CC	1940281048
SNP_P1_59423_17158568	NC_021163.1	Ca_kabuli_chr04	17158568	TT	CC	1940281049
SNP_P1_59424_17158645	NC_021163.1	Ca_kabuli_chr04	17158645	AA	GG	1940281051
SNP_P1_59425_17158697	NC_021163.1	Ca_kabuli_chr04	17158697	AA	GG	1940281053
SNP_P1_59426_17158887	NC_021163.1	Ca_kabuli_chr04	17158887	GG	CC	1940281054
SNP_P1_59427_17159103	NC_021163.1	Ca_kabuli_chr04	17159103	CC	TT	1940281056
SNP_P1_59429_17161491	NC_021163.1	Ca_kabuli_chr04	17161491	AA	GG	1940281057
SNP_P1_59430_17161685	NC_021163.1	Ca_kabuli_chr04	17161685	TT	AA	1940281059
SNP_P1_59431_17163440	NC_021163.1	Ca_kabuli_chr04	17163440	CC	AA	1940281061
SNP_P1_59432_17165964	NC_021163.1	Ca_kabuli_chr04	17165964	GG	TT	1940281062
SNP_P1_59433_17166265	NC_021163.1	Ca_kabuli_chr04	17166265	CC	AA	1940281064
SNP_P1_59434_17166319	NC_021163.1	Ca_kabuli_chr04	17166319	CC	TT	1940281065
SNP_P1_59435_17166333	NC_021163.1	Ca_kabuli_chr04	17166333	CC	AA	1940281067
SNP_P1_59436_17166791	NC_021163.1	Ca_kabuli_chr04	17166791	AA	GG	1940281069
SNP_P1_59437_17166973	NC_021163.1	Ca_kabuli_chr04	17166973	CC	AA	1940281070
SNP_P1_59439_17167265	NC_021163.1	Ca_kabuli_chr04	17167265	GG	CC	1940281072
SNP_P1_59441_17167362	NC_021163.1	Ca_kabuli_chr04	17167362	CC	AA	1940281073
SNP_P1_59442_17167464	NC_021163.1	Ca_kabuli_chr04	17167464	CC	TT	1940281075
SNP_P1_59443_17167505	NC_021163.1	Ca_kabuli_chr04	17167505	AA	GG	1940281077
SNP_P1_59444_17167516	NC_021163.1	Ca_kabuli_chr04	17167516	GG	TT	1940281078
SNP_P1_59445_17167522	NC_021163.1	Ca_kabuli_chr04	17167522	CC	TT	1940281080
SNP_P1_59446_17167541	NC_021163.1	Ca_kabuli_chr04	17167541	AA	GG	1940281081
SNP_P1_59447_17167576	NC_021163.1	Ca_kabuli_chr04	17167576	GG	AA	1940281083
SNP_P1_59448_17167600	NC_021163.1	Ca_kabuli_chr04	17167600	AA	TT	1940281085
SNP_P1_59449_17167700	NC_021163.1	Ca_kabuli_chr04	17167700	GG	AA	1940281086
SNP_P1_59450_17167728	NC_021163.1	Ca_kabuli_chr04	17167728	AA	TT	1940281088

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59453_17167817	NC_021163.1	Ca_kabuli_chr04	17167817	AA	GG	1940281091
SNP_P1_59454_17167918	NC_021163.1	Ca_kabuli_chr04	17167918	TT	GG	1940281093
SNP_P1_59455_17168559	NC_021163.1	Ca_kabuli_chr04	17168559	CC	TT	1940281094
SNP_P1_59456_17168613	NC_021163.1	Ca_kabuli_chr04	17168613	AA	GG	1940281096
SNP_P1_59457_17168627	NC_021163.1	Ca_kabuli_chr04	17168627	AA	CC	1940281097
SNP_P1_59458_17168630	NC_021163.1	Ca_kabuli_chr04	17168630	TT	GG	1940281099
SNP_P1_59459_17168911	NC_021163.1	Ca_kabuli_chr04	17168911	TT	AA	1940281101
SNP_P1_59460_17168920	NC_021163.1	Ca_kabuli_chr04	17168920	TT	CC	1940281102
SNP_P1_59461_17168956	NC_021163.1	Ca_kabuli_chr04	17168956	AA	TT	1940281104
SNP_P1_59462_17169163	NC_021163.1	Ca_kabuli_chr04	17169163	CC	AA	1940281105
SNP_P1_59463_17169252	NC_021163.1	Ca_kabuli_chr04	17169252	AA	GG	1940281107
SNP_P1_59464_17169291	NC_021163.1	Ca_kabuli_chr04	17169291	TT	CC	1940281109
SNP_P1_59465_17169306	NC_021163.1	Ca_kabuli_chr04	17169306	GG	AA	1940281110
SNP_P1_59466_17169342	NC_021163.1	Ca_kabuli_chr04	17169342	CC	TT	1940281112
SNP_P1_59467_17169361	NC_021163.1	Ca_kabuli_chr04	17169361	TT	CC	1940281113
SNP_P1_59468_17169376	NC_021163.1	Ca_kabuli_chr04	17169376	TT	CC	1940281115
SNP_P1_59469_17169378	NC_021163.1	Ca_kabuli_chr04	17169378	CC	TT	1940281117
SNP_P1_59470_17169556	NC_021163.1	Ca_kabuli_chr04	17169556	TT	CC	1940281118
SNP_P1_59471_17169613	NC_021163.1	Ca_kabuli_chr04	17169613	TT	CC	1940281120
SNP_P1_59472_17169629	NC_021163.1	Ca_kabuli_chr04	17169629	AA	GG	1940281121
SNP_P1_59474_17170727	NC_021163.1	Ca_kabuli_chr04	17170727	TT	AA	1940281123
SNP_P1_59475_17170929	NC_021163.1	Ca_kabuli_chr04	17170929	TT	GG	1940281125
SNP_P1_59476_17170955	NC_021163.1	Ca_kabuli_chr04	17170955	GG	AA	1940281126
SNP_P1_59477_17171092	NC_021163.1	Ca_kabuli_chr04	17171092	GG	TT	1940281128
SNP_P1_59478_17171113	NC_021163.1	Ca_kabuli_chr04	17171113	CC	GG	1940281130
SNP_P1_59479_17171166	NC_021163.1	Ca_kabuli_chr04	17171166	CC	TT	1940281131
SNP_P1_59480_17171178	NC_021163.1	Ca_kabuli_chr04	17171178	GG	CC	1940281133
SNP_P1_59481_17171217	NC_021163.1	Ca_kabuli_chr04	17171217	CC	TT	1940281134
SNP_P1_59482_17171266	NC_021163.1	Ca_kabuli_chr04	17171266	CC	TT	1940281136
SNP_P1_59483_17171287	NC_021163.1	Ca_kabuli_chr04	17171287	GG	AA	1940281138
SNP_P1_59484_17171298	NC_021163.1	Ca_kabuli_chr04	17171298	CC	TT	1940281139
SNP_P1_59485_17171301	NC_021163.1	Ca_kabuli_chr04	17171301	GG	AA	1940281141
SNP_P1_59487_17171526	NC_021163.1	Ca_kabuli_chr04	17171526	AA	GG	1940281142
SNP_P1_59488_17171562	NC_021163.1	Ca_kabuli_chr04	17171562	CC	TT	1940281144
SNP_P1_59490_17171891	NC_021163.1	Ca_kabuli_chr04	17171891	CC	TT	1940281146
SNP_P1_59491_17171902	NC_021163.1	Ca_kabuli_chr04	17171902	TT	CC	1940281147
SNP_P1_59492_17171911	NC_021163.1	Ca_kabuli_chr04	17171911	TT	CC	1940281148
SNP_P1_59493_17171919	NC_021163.1	Ca_kabuli_chr04	17171919	TT	CC	1940281150
SNP_P1_59494_17171946	NC_021163.1	Ca_kabuli_chr04	17171946	AA	CC	1940281152
SNP_P1_59495_17171950	NC_021163.1	Ca_kabuli_chr04	17171950	CC	TT	1940281153
SNP_P1_59496_17171975	NC_021163.1	Ca_kabuli_chr04	17171975	CC	TT	1940281155

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59498_17172161	NC_021163.1	Ca_kabuli_chr04	17172161	TT	CC	1940281158
SNP_P1_59499_17172187	NC_021163.1	Ca_kabuli_chr04	17172187	GG	AA	1940281160
SNP_P1_59500_17172191	NC_021163.1	Ca_kabuli_chr04	17172191	CC	TT	1940281161
SNP_P1_59501_17172841	NC_021163.1	Ca_kabuli_chr04	17172841	TT	GG	1940281163
SNP_P1_59502_17185133	NC_021163.1	Ca_kabuli_chr04	17185133	AA	CC	1940281164
SNP_P1_59503_17185375	NC_021163.1	Ca_kabuli_chr04	17185375	AA	GG	1940281166
SNP_P1_59504_17185427	NC_021163.1	Ca_kabuli_chr04	17185427	CC	TT	1940281168
SNP_P1_59505_17185444	NC_021163.1	Ca_kabuli_chr04	17185444	CC	TT	1940281169
SNP_P1_59506_17185447	NC_021163.1	Ca_kabuli_chr04	17185447	AA	GG	1940281171
SNP_P1_59507_17185449	NC_021163.1	Ca_kabuli_chr04	17185449	AA	GG	1940281172
SNP_P1_59508_17185469	NC_021163.1	Ca_kabuli_chr04	17185469	TT	CC	1940281174
SNP_P1_59509_17185504	NC_021163.1	Ca_kabuli_chr04	17185504	AA	TT	1940281176
SNP_P1_59510_17185648	NC_021163.1	Ca_kabuli_chr04	17185648	TT	CC	1940281177
SNP_P1_59511_17185649	NC_021163.1	Ca_kabuli_chr04	17185649	GG	AA	1940281179
SNP_P1_59512_17185775	NC_021163.1	Ca_kabuli_chr04	17185775	TT	AA	1940281181
SNP_P1_59513_17186075	NC_021163.1	Ca_kabuli_chr04	17186075	AA	CC	1940281182
SNP_P1_59514_17186721	NC_021163.1	Ca_kabuli_chr04	17186721	GG	AA	1940281184
SNP_P1_59515_17186742	NC_021163.1	Ca_kabuli_chr04	17186742	AA	GG	1940281185
SNP_P1_59516_17187340	NC_021163.1	Ca_kabuli_chr04	17187340	TT	CC	1940281187
SNP_P1_59517_17187560	NC_021163.1	Ca_kabuli_chr04	17187560	GG	CC	1940281189
SNP_P1_59518_17188045	NC_021163.1	Ca_kabuli_chr04	17188045	GG	TT	1940281190
SNP_P1_59519_17188075	NC_021163.1	Ca_kabuli_chr04	17188075	GG	AA	1940281192
SNP_P1_59520_17188094	NC_021163.1	Ca_kabuli_chr04	17188094	TT	CC	1940281193
SNP_P1_59521_17188095	NC_021163.1	Ca_kabuli_chr04	17188095	CC	TT	1940281195
SNP_P1_59522_17188126	NC_021163.1	Ca_kabuli_chr04	17188126	GG	AA	1940281197
SNP_P1_59523_17188232	NC_021163.1	Ca_kabuli_chr04	17188232	TT	CC	1940281198
SNP_P1_59524_17188301	NC_021163.1	Ca_kabuli_chr04	17188301	CC	TT	1940281200
SNP_P1_59525_17188319	NC_021163.1	Ca_kabuli_chr04	17188319	CC	AA	1940281201
SNP_P1_59526_17188326	NC_021163.1	Ca_kabuli_chr04	17188326	TT	AA	1940281203
SNP_P1_59527_17188327	NC_021163.1	Ca_kabuli_chr04	17188327	AA	TT	1940281204
SNP_P1_59528_17188330	NC_021163.1	Ca_kabuli_chr04	17188330	AA	TT	1940281206
SNP_P1_59529_17188336	NC_021163.1	Ca_kabuli_chr04	17188336	GG	AA	1940281207
SNP_P1_59530_17188353	NC_021163.1	Ca_kabuli_chr04	17188353	TT	CC	1940281209
SNP_P1_59531_17188407	NC_021163.1	Ca_kabuli_chr04	17188407	CC	AA	1940281211
SNP_P1_59533_17188448	NC_021163.1	Ca_kabuli_chr04	17188448	TT	AA	1940281212
SNP_P1_59534_17188457	NC_021163.1	Ca_kabuli_chr04	17188457	AA	TT	1940281214
SNP_P1_59536_17188502	NC_021163.1	Ca_kabuli_chr04	17188502	GG	AA	1940281216
SNP_P1_59537_17188513	NC_021163.1	Ca_kabuli_chr04	17188513	GG	AA	1940281217
SNP_P1_59538_17190588	NC_021163.1	Ca_kabuli_chr04	17190588	CC	TT	1940281219
SNP_P1_59539_17190646	NC_021163.1	Ca_kabuli_chr04	17190646	TT	GG	1940281220
SNP_P1_59540_17190725	NC_021163.1	Ca_kabuli_chr04	17190725	AA	GG	1940281222

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59542_17191853	NC_021163.1	Ca_kabuli_chr04	17191853	CC	AA	1940281225
SNP_P1_59544_17193804	NC_021163.1	Ca_kabuli_chr04	17193804	GG	TT	1940281227
SNP_P1_59545_17194311	NC_021163.1	Ca_kabuli_chr04	17194311	AA	TT	1940281228
SNP_P1_59546_17195038	NC_021163.1	Ca_kabuli_chr04	17195038	TT	CC	1940281230
SNP_P1_59547_17195039	NC_021163.1	Ca_kabuli_chr04	17195039	AA	GG	1940281232
SNP_P1_59548_17195060	NC_021163.1	Ca_kabuli_chr04	17195060	AA	GG	1940281233
SNP_P1_59549_17195067	NC_021163.1	Ca_kabuli_chr04	17195067	AA	TT	1940281235
SNP_P1_59550_17195321	NC_021163.1	Ca_kabuli_chr04	17195321	AA	GG	1940281237
SNP_P1_59551_17195331	NC_021163.1	Ca_kabuli_chr04	17195331	CC	TT	1940281238
SNP_P1_59552_17195356	NC_021163.1	Ca_kabuli_chr04	17195356	AA	TT	1940281240
SNP_P1_59554_17195635	NC_021163.1	Ca_kabuli_chr04	17195635	AA	TT	1940281241
SNP_P1_59555_17195903	NC_021163.1	Ca_kabuli_chr04	17195903	GG	TT	1940281243
SNP_P1_59557_17198053	NC_021163.1	Ca_kabuli_chr04	17198053	GG	AA	1940281245
SNP_P1_59558_17198333	NC_021163.1	Ca_kabuli_chr04	17198333	TT	CC	1940281246
SNP_P1_59559_17199300	NC_021163.1	Ca_kabuli_chr04	17199300	AA	GG	1940281247
SNP_P1_59560_17200882	NC_021163.1	Ca_kabuli_chr04	17200882	CC	AA	1940281248
SNP_P1_59561_17200883	NC_021163.1	Ca_kabuli_chr04	17200883	CC	TT	1940281249
SNP_P1_59562_17201153	NC_021163.1	Ca_kabuli_chr04	17201153	AA	TT	1940281250
SNP_P1_59563_17201158	NC_021163.1	Ca_kabuli_chr04	17201158	AA	TT	1940281251
SNP_P1_59564_17201166	NC_021163.1	Ca_kabuli_chr04	17201166	AA	GG	1940281253
SNP_P1_59565_17201283	NC_021163.1	Ca_kabuli_chr04	17201283	TT	AA	1940281255
SNP_P1_59566_17201336	NC_021163.1	Ca_kabuli_chr04	17201336	GG	CC	1940281256
SNP_P1_59567_17201343	NC_021163.1	Ca_kabuli_chr04	17201343	CC	TT	1940281258
SNP_P1_59568_17203037	NC_021163.1	Ca_kabuli_chr04	17203037	AA	CC	1940281259
SNP_P1_59569_17203059	NC_021163.1	Ca_kabuli_chr04	17203059	TT	CC	1940281261
SNP_P1_59570_17203096	NC_021163.1	Ca_kabuli_chr04	17203096	TT	CC	1940281262
SNP_P1_59571_17203271	NC_021163.1	Ca_kabuli_chr04	17203271	GG	AA	1940281264
SNP_P1_59573_17204871	NC_021163.1	Ca_kabuli_chr04	17204871	AA	CC	1940281266
SNP_P1_59574_17206081	NC_021163.1	Ca_kabuli_chr04	17206081	CC	GG	1940281267
SNP_P1_59576_17206453	NC_021163.1	Ca_kabuli_chr04	17206453	TT	CC	1940281269
SNP_P1_59577_17206463	NC_021163.1	Ca_kabuli_chr04	17206463	CC	TT	1940281270
SNP_P1_59578_17206614	NC_021163.1	Ca_kabuli_chr04	17206614	CC	GG	1940281272
SNP_P1_59579_17206636	NC_021163.1	Ca_kabuli_chr04	17206636	AA	TT	1940281274
SNP_P1_59580_17206637	NC_021163.1	Ca_kabuli_chr04	17206637	AA	TT	1940281275
SNP_P1_59581_17206641	NC_021163.1	Ca_kabuli_chr04	17206641	AA	TT	1940281277
SNP_P1_59584_17206846	NC_021163.1	Ca_kabuli_chr04	17206846	GG	CC	1940281278
SNP_P1_59587_17206883	NC_021163.1	Ca_kabuli_chr04	17206883	GG	AA	1940281280
SNP_P1_59589_17207153	NC_021163.1	Ca_kabuli_chr04	17207153	AA	TT	1940281282
SNP_P1_59591_17207477	NC_021163.1	Ca_kabuli_chr04	17207477	TT	CC	1940281283
SNP_P1_59592_17207494	NC_021163.1	Ca_kabuli_chr04	17207494	GG	AA	1940281285
SNP_P1_59593_17208441	NC_021163.1	Ca_kabuli_chr04	17208441	TT	GG	1940281286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59597_17208832	NC_021163.1	Ca_kabuli_chr04	17208832	CC	AA	1940281291
SNP_P1_59598_17208880	NC_021163.1	Ca_kabuli_chr04	17208880	CC	GG	1940281293
SNP_P1_59599_17208915	NC_021163.1	Ca_kabuli_chr04	17208915	CC	TT	1940281294
SNP_P1_59600_17209052	NC_021163.1	Ca_kabuli_chr04	17209052	GG	CC	1940281296
SNP_P1_59601_17209110	NC_021163.1	Ca_kabuli_chr04	17209110	TT	AA	1940281298
SNP_P1_59602_17209130	NC_021163.1	Ca_kabuli_chr04	17209130	GG	AA	1940281299
SNP_P1_59603_17209179	NC_021163.1	Ca_kabuli_chr04	17209179	AA	GG	1940281301
SNP_P1_59604_17209417	NC_021163.1	Ca_kabuli_chr04	17209417	AA	CC	1940281302
SNP_P1_59605_17209432	NC_021163.1	Ca_kabuli_chr04	17209432	AA	GG	1940281304
SNP_P1_59606_17209475	NC_021163.1	Ca_kabuli_chr04	17209475	TT	CC	1940281306
SNP_P1_59607_17209542	NC_021163.1	Ca_kabuli_chr04	17209542	CC	TT	1940281308
SNP_P1_59608_17209657	NC_021163.1	Ca_kabuli_chr04	17209657	GG	AA	1940281309
SNP_P1_59609_17209665	NC_021163.1	Ca_kabuli_chr04	17209665	TT	CC	1940281311
SNP_P1_59610_17209690	NC_021163.1	Ca_kabuli_chr04	17209690	AA	GG	1940281312
SNP_P1_59614_17210963	NC_021163.1	Ca_kabuli_chr04	17210963	AA	GG	1940281314
SNP_P1_59615_17211025	NC_021163.1	Ca_kabuli_chr04	17211025	CC	TT	1940281316
SNP_P1_59616_17211496	NC_021163.1	Ca_kabuli_chr04	17211496	TT	GG	1940281317
SNP_P1_59617_17211758	NC_021163.1	Ca_kabuli_chr04	17211758	CC	TT	1940281319
SNP_P1_59618_17211789	NC_021163.1	Ca_kabuli_chr04	17211789	GG	AA	1940281320
SNP_P1_59619_17211808	NC_021163.1	Ca_kabuli_chr04	17211808	GG	AA	1940281322
SNP_P1_59620_17212149	NC_021163.1	Ca_kabuli_chr04	17212149	GG	CC	1940281324
SNP_P1_59621_17212159	NC_021163.1	Ca_kabuli_chr04	17212159	TT	CC	1940281325
SNP_P1_59622_17212815	NC_021163.1	Ca_kabuli_chr04	17212815	CC	AA	1940281327
SNP_P1_59623_17212825	NC_021163.1	Ca_kabuli_chr04	17212825	TT	AA	1940281328
SNP_P1_59624_17212829	NC_021163.1	Ca_kabuli_chr04	17212829	TT	GG	1940281330
SNP_P1_59627_17219687	NC_021163.1	Ca_kabuli_chr04	17219687	GG	AA	1940281332
SNP_P1_59628_17219705	NC_021163.1	Ca_kabuli_chr04	17219705	AA	GG	1940281333
SNP_P1_59629_17219746	NC_021163.1	Ca_kabuli_chr04	17219746	AA	GG	1940281335
SNP_P1_59630_17219776	NC_021163.1	Ca_kabuli_chr04	17219776	GG	AA	1940281336
SNP_P1_59631_17223030	NC_021163.1	Ca_kabuli_chr04	17223030	AA	CC	1940281337
SNP_P1_59632_17223144	NC_021163.1	Ca_kabuli_chr04	17223144	TT	AA	1940281339
SNP_P1_59633_17223151	NC_021163.1	Ca_kabuli_chr04	17223151	TT	CC	1940281341
SNP_P1_59634_17223503	NC_021163.1	Ca_kabuli_chr04	17223503	GG	CC	1940281342
SNP_P1_59635_17224532	NC_021163.1	Ca_kabuli_chr04	17224532	CC	TT	1940281345
SNP_P1_59636_17224537	NC_021163.1	Ca_kabuli_chr04	17224537	CC	GG	1940281347
SNP_P1_59637_17225207	NC_021163.1	Ca_kabuli_chr04	17225207	AA	GG	1940281349
SNP_P1_59639_17226678	NC_021163.1	Ca_kabuli_chr04	17226678	TT	CC	1940281350
SNP_P1_59640_17226722	NC_021163.1	Ca_kabuli_chr04	17226722	CC	TT	1940281352
SNP_P1_59641_17227010	NC_021163.1	Ca_kabuli_chr04	17227010	CC	TT	1940281353
SNP_P1_59642_17227100	NC_021163.1	Ca_kabuli_chr04	17227100	AA	TT	1940281355

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59645_17229422	NC_021163.1	Ca_kabuli_chr04	17229422	GG	TT	1940281361
SNP_P1_59646_17230036	NC_021163.1	Ca_kabuli_chr04	17230036	AA	GG	1940281363
SNP_P1_59647_17231523	NC_021163.1	Ca_kabuli_chr04	17231523	CC	GG	1940281364
SNP_P1_59648_17231539	NC_021163.1	Ca_kabuli_chr04	17231539	AA	GG	1940281366
SNP_P1_59649_17231785	NC_021163.1	Ca_kabuli_chr04	17231785	GG	TT	1940281367
SNP_P1_59650_17233363	NC_021163.1	Ca_kabuli_chr04	17233363	GG	TT	1940281369
SNP_P1_59651_17233734	NC_021163.1	Ca_kabuli_chr04	17233734	CC	TT	1940281370
SNP_P1_59652_17234160	NC_021163.1	Ca_kabuli_chr04	17234160	TT	GG	1940281372
SNP_P1_59653_17234821	NC_021163.1	Ca_kabuli_chr04	17234821	GG	AA	1940281374
SNP_P1_59655_17236210	NC_021163.1	Ca_kabuli_chr04	17236210	AA	GG	1940281375
SNP_P1_59656_17236336	NC_021163.1	Ca_kabuli_chr04	17236336	TT	CC	1940281377
SNP_P1_59657_17237119	NC_021163.1	Ca_kabuli_chr04	17237119	AA	GG	1940281378
SNP_P1_59658_17237423	NC_021163.1	Ca_kabuli_chr04	17237423	GG	AA	1940281380
SNP_P1_59659_17237825	NC_021163.1	Ca_kabuli_chr04	17237825	AA	CC	1940281382
SNP_P1_59661_17239360	NC_021163.1	Ca_kabuli_chr04	17239360	GG	AA	1940281383
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SNP_P1_59663_17239391	NC_021163.1	Ca_kabuli_chr04	17239391	CC	AA	1940281386
SNP_P1_59664_17239421	NC_021163.1	Ca_kabuli_chr04	17239421	GG	AA	1940281388
SNP_P1_59665_17239709	NC_021163.1	Ca_kabuli_chr04	17239709	CC	TT	1940281389
SNP_P1_59666_17239745	NC_021163.1	Ca_kabuli_chr04	17239745	GG	AA	1940281391
SNP_P1_59667_17241577	NC_021163.1	Ca_kabuli_chr04	17241577	AA	TT	1940281392
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SNP_P1_59669_17241763	NC_021163.1	Ca_kabuli_chr04	17241763	AA	CC	1940281396
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SNP_P1_59671_17242104	NC_021163.1	Ca_kabuli_chr04	17242104	TT	AA	1940281399
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SNP_P1_59678_17243711	NC_021163.1	Ca_kabuli_chr04	17243711	CC	TT	1940281404
SNP_P1_59679_17243784	NC_021163.1	Ca_kabuli_chr04	17243784	GG	AA	1940281406
SNP_P1_59680_17243785	NC_021163.1	Ca_kabuli_chr04	17243785	TT	GG	1940281407
SNP_P1_59681_17243792	NC_021163.1	Ca_kabuli_chr04	17243792	GG	AA	1940281409
SNP_P1_59682_17244392	NC_021163.1	Ca_kabuli_chr04	17244392	TT	AA	1940281411
SNP_P1_59683_17244532	NC_021163.1	Ca_kabuli_chr04	17244532	GG	TT	1940281412
SNP_P1_59684_17244542	NC_021163.1	Ca_kabuli_chr04	17244542	CC	TT	1940281414
SNP_P1_59685_17244602	NC_021163.1	Ca_kabuli_chr04	17244602	AA	GG	1940281415
SNP_P1_59686_17244642	NC_021163.1	Ca_kabuli_chr04	17244642	AA	GG	1940281417
SNP_P1_59688_17244912	NC_021163.1	Ca_kabuli_chr04	17244912	CC	TT	1940281419
SNP_P1_59689_17245236	NC_021163.1	Ca_kabuli_chr04	17245236	AA	TT	1940281420
SNP_P1_59691_17247176	NC_021163.1	Ca_kabuli_chr04	17247176	GG	CC	1940281422
SNP_P1_59692_17247407	NC_021163.1	Ca_kabuli_chr04	17247407	TT	CC	1940281424

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59698_17248290	NC_021163.1	Ca_kabuli_chr04	17248290	AA	CC	1940281428
SNP_P1_59700_17248388	NC_021163.1	Ca_kabuli_chr04	17248388	AA	CC	1940281430
SNP_P1_59701_17248389	NC_021163.1	Ca_kabuli_chr04	17248389	CC	TT	1940281432
SNP_P1_59702_17248410	NC_021163.1	Ca_kabuli_chr04	17248410	AA	GG	1940281433
SNP_P1_59703_17248457	NC_021163.1	Ca_kabuli_chr04	17248457	AA	GG	1940281435
SNP_P1_59704_17248598	NC_021163.1	Ca_kabuli_chr04	17248598	AA	GG	1940281436
SNP_P1_59705_17248631	NC_021163.1	Ca_kabuli_chr04	17248631	GG	CC	1940281438
SNP_P1_59706_17248773	NC_021163.1	Ca_kabuli_chr04	17248773	AA	GG	1940281440
SNP_P1_59707_17248849	NC_021163.1	Ca_kabuli_chr04	17248849	TT	CC	1940281441
SNP_P1_59708_17249129	NC_021163.1	Ca_kabuli_chr04	17249129	GG	TT	1940281443
SNP_P1_59709_17250126	NC_021163.1	Ca_kabuli_chr04	17250126	AA	GG	1940281444
SNP_P1_59710_17250134	NC_021163.1	Ca_kabuli_chr04	17250134	CC	TT	1940281446
SNP_P1_59711_17250136	NC_021163.1	Ca_kabuli_chr04	17250136	GG	AA	1940281448
SNP_P1_59712_17250170	NC_021163.1	Ca_kabuli_chr04	17250170	AA	GG	1940281449
SNP_P1_59713_17250352	NC_021163.1	Ca_kabuli_chr04	17250352	CC	AA	1940281451
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SNP_P1_59717_17251310	NC_021163.1	Ca_kabuli_chr04	17251310	AA	TT	1940281454
SNP_P1_59718_17251527	NC_021163.1	Ca_kabuli_chr04	17251527	AA	CC	1940281456
SNP_P1_59719_17251563	NC_021163.1	Ca_kabuli_chr04	17251563	CC	AA	1940281457
SNP_P1_59721_17251774	NC_021163.1	Ca_kabuli_chr04	17251774	GG	AA	1940281459
SNP_P1_59722_17251809	NC_021163.1	Ca_kabuli_chr04	17251809	TT	AA	1940281460
SNP_P1_59724_17252097	NC_021163.1	Ca_kabuli_chr04	17252097	CC	TT	1940281462
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SNP_P1_59726_17253078	NC_021163.1	Ca_kabuli_chr04	17253078	AA	GG	1940281466
SNP_P1_59727_17253098	NC_021163.1	Ca_kabuli_chr04	17253098	AA	CC	1940281467
SNP_P1_59728_17253099	NC_021163.1	Ca_kabuli_chr04	17253099	TT	AA	1940281469
SNP_P1_59729_17253112	NC_021163.1	Ca_kabuli_chr04	17253112	CC	AA	1940281470
SNP_P1_59731_17253589	NC_021163.1	Ca_kabuli_chr04	17253589	TT	CC	1940281472
SNP_P1_59733_17253847	NC_021163.1	Ca_kabuli_chr04	17253847	GG	TT	1940281473
SNP_P1_59734_17253876	NC_021163.1	Ca_kabuli_chr04	17253876	TT	CC	1940281475
SNP_P1_59735_17253888	NC_021163.1	Ca_kabuli_chr04	17253888	CC	TT	1940281477
SNP_P1_59736_17253928	NC_021163.1	Ca_kabuli_chr04	17253928	AA	CC	1940281478
SNP_P1_59738_17253963	NC_021163.1	Ca_kabuli_chr04	17253963	GG	AA	1940281480
SNP_P1_59739_17254001	NC_021163.1	Ca_kabuli_chr04	17254001	CC	GG	1940281481
SNP_P1_59740_17254002	NC_021163.1	Ca_kabuli_chr04	17254002	TT	CC	1940281483
SNP_P1_59742_17254592	NC_021163.1	Ca_kabuli_chr04	17254592	AA	TT	1940281484
SNP_P1_59744_17255533	NC_021163.1	Ca_kabuli_chr04	17255533	AA	TT	1940281486
SNP_P1_59745_17255592	NC_021163.1	Ca_kabuli_chr04	17255592	AA	TT	1940281487
SNP_P1_59748_17257295	NC_021163.1	Ca_kabuli_chr04	17257295	TT	CC	1940281489
SNP_P1_59749_17257307	NC_021163.1	Ca_kabuli_chr04	17257307	AA	GG	1940281491

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59752_17257636	NC_021163.1	Ca_kabuli_chr04	17257636	GG	TT	1940281495
SNP_P1_59753_17257708	NC_021163.1	Ca_kabuli_chr04	17257708	GG	AA	1940281497
SNP_P1_59755_17257995	NC_021163.1	Ca_kabuli_chr04	17257995	CC	TT	1940281499
SNP_P1_59756_17258262	NC_021163.1	Ca_kabuli_chr04	17258262	GG	AA	1940281500
SNP_P1_59757_17258590	NC_021163.1	Ca_kabuli_chr04	17258590	AA	CC	1940281502
SNP_P1_59758_17259188	NC_021163.1	Ca_kabuli_chr04	17259188	GG	AA	1940281503
SNP_P1_59759_17259350	NC_021163.1	Ca_kabuli_chr04	17259350	GG	AA	1940281505
SNP_P1_59761_17259623	NC_021163.1	Ca_kabuli_chr04	17259623	CC	TT	1940281507
SNP_P1_59762_17259633	NC_021163.1	Ca_kabuli_chr04	17259633	TT	CC	1940281508
SNP_P1_59763_17260294	NC_021163.1	Ca_kabuli_chr04	17260294	GG	AA	1940281510
SNP_P1_59764_17260299	NC_021163.1	Ca_kabuli_chr04	17260299	TT	AA	1940281511
SNP_P1_59765_17260363	NC_021163.1	Ca_kabuli_chr04	17260363	AA	GG	1940281513
SNP_P1_59766_17260619	NC_021163.1	Ca_kabuli_chr04	17260619	AA	CC	1940281515
SNP_P1_59768_17263704	NC_021163.1	Ca_kabuli_chr04	17263704	CC	TT	1940281516
SNP_P1_59769_17263955	NC_021163.1	Ca_kabuli_chr04	17263955	GG	AA	1940281518
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SNP_P1_59775_17264172	NC_021163.1	Ca_kabuli_chr04	17264172	AA	CC	1940281528
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SNP_P1_59780_17265453	NC_021163.1	Ca_kabuli_chr04	17265453	TT	GG	1940281534
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SNP_P1_59782_17266005	NC_021163.1	Ca_kabuli_chr04	17266005	TT	CC	1940281537
SNP_P1_59783_17266044	NC_021163.1	Ca_kabuli_chr04	17266044	CC	TT	1940281539
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SNP_P1_59790_17267478	NC_021163.1	Ca_kabuli_chr04	17267478	TT	CC	1940281545
SNP_P1_59791_17270587	NC_021163.1	Ca_kabuli_chr04	17270587	AA	TT	1940281547
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SNP_P1_59796_17271106	NC_021163.1	Ca_kabuli_chr04	17271106	GG	AA	1940281553
SNP_P1_59798_17272019	NC_021163.1	Ca_kabuli_chr04	17272019	GG	AA	1940281555
SNP_P1_59799_17272553	NC_021163.1	Ca_kabuli_chr04	17272553	TT	CC	1940281557
SNP_P1_59800_17273774	NC_021163.1	Ca_kabuli_chr04	17273774	CC	TT	1940281558

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59803_17279574	NC_021163.1	Ca_kabuli_chr04	17279574	CC	TT	1940281563
SNP_P1_59804_17280268	NC_021163.1	Ca_kabuli_chr04	17280268	CC	TT	1940281565
SNP_P1_59805_17281518	NC_021163.1	Ca_kabuli_chr04	17281518	AA	GG	1940281566
SNP_P1_59806_17281646	NC_021163.1	Ca_kabuli_chr04	17281646	AA	GG	1940281568
SNP_P1_59807_17283800	NC_021163.1	Ca_kabuli_chr04	17283800	AA	GG	1940281570
SNP_P1_59808_17283806	NC_021163.1	Ca_kabuli_chr04	17283806	TT	CC	1940281571
SNP_P1_59809_17283816	NC_021163.1	Ca_kabuli_chr04	17283816	CC	TT	1940281573
SNP_P1_59810_17284763	NC_021163.1	Ca_kabuli_chr04	17284763	AA	GG	1940281574
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SNP_P1_59812_17284803	NC_021163.1	Ca_kabuli_chr04	17284803	CC	TT	1940281577
SNP_P1_59813_17284845	NC_021163.1	Ca_kabuli_chr04	17284845	CC	TT	1940281579
SNP_P1_59815_17285076	NC_021163.1	Ca_kabuli_chr04	17285076	GG	TT	1940281581
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SNP_P1_59818_17286398	NC_021163.1	Ca_kabuli_chr04	17286398	CC	AA	1940281584
SNP_P1_59819_17286420	NC_021163.1	Ca_kabuli_chr04	17286420	AA	GG	1940281586
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SNP_P1_59823_17286617	NC_021163.1	Ca_kabuli_chr04	17286617	AA	GG	1940281591
SNP_P1_59825_17287124	NC_021163.1	Ca_kabuli_chr04	17287124	AA	TT	1940281592
SNP_P1_59826_17287126	NC_021163.1	Ca_kabuli_chr04	17287126	TT	CC	1940281594
SNP_P1_59827_17287130	NC_021163.1	Ca_kabuli_chr04	17287130	AA	GG	1940281595
SNP_P1_59828_17287132	NC_021163.1	Ca_kabuli_chr04	17287132	CC	TT	1940281597
SNP_P1_59829_17287133	NC_021163.1	Ca_kabuli_chr04	17287133	AA	GG	1940281599
SNP_P1_59830_17287140	NC_021163.1	Ca_kabuli_chr04	17287140	AA	GG	1940281600
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SNP_P1_59834_17287353	NC_021163.1	Ca_kabuli_chr04	17287353	GG	AA	1940281605
SNP_P1_59835_17287364	NC_021163.1	Ca_kabuli_chr04	17287364	TT	CC	1940281607
SNP_P1_59836_17287847	NC_021163.1	Ca_kabuli_chr04	17287847	AA	GG	1940281608
SNP_P1_59837_17287965	NC_021163.1	Ca_kabuli_chr04	17287965	AA	GG	1940281610
SNP_P1_59838_17287971	NC_021163.1	Ca_kabuli_chr04	17287971	AA	GG	1940281611
SNP_P1_59839_17288873	NC_021163.1	Ca_kabuli_chr04	17288873	AA	TT	1940281613
SNP_P1_59840_17288914	NC_021163.1	Ca_kabuli_chr04	17288914	GG	AA	1940281615
SNP_P1_59841_17288932	NC_021163.1	Ca_kabuli_chr04	17288932	GG	AA	1940281616
SNP_P1_59842_17289042	NC_021163.1	Ca_kabuli_chr04	17289042	CC	AA	1940281618
SNP_P1_59844_17289312	NC_021163.1	Ca_kabuli_chr04	17289312	GG	AA	1940281619
SNP_P1_59845_17289320	NC_021163.1	Ca_kabuli_chr04	17289320	AA	CC	1940281621
SNP_P1_59846_17289327	NC_021163.1	Ca_kabuli_chr04	17289327	AA	GG	1940281623
SNP_P1_59847_17289845	NC_021163.1	Ca_kabuli_chr04	17289845	CC	AA	1940281624
SNP_P1_59848_17290315	NC_021163.1	Ca_kabuli_chr04	17290315	AA	GG	1940281626

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59851_17290964	NC_021163.1	Ca_kabuli_chr04	17290964	CC	TT	1940281629
SNP_P1_59852_17290969	NC_021163.1	Ca_kabuli_chr04	17290969	AA	TT	1940281631
SNP_P1_59853_17290976	NC_021163.1	Ca_kabuli_chr04	17290976	TT	CC	1940281632
SNP_P1_59854_17290987	NC_021163.1	Ca_kabuli_chr04	17290987	AA	TT	1940281634
SNP_P1_59855_17290989	NC_021163.1	Ca_kabuli_chr04	17290989	GG	AA	1940281635
SNP_P1_59856_17291149	NC_021163.1	Ca_kabuli_chr04	17291149	TT	CC	1940281637
SNP_P1_59857_17291214	NC_021163.1	Ca_kabuli_chr04	17291214	AA	TT	1940281638
SNP_P1_59858_17291227	NC_021163.1	Ca_kabuli_chr04	17291227	AA	GG	1940281640
SNP_P1_59859_17291231	NC_021163.1	Ca_kabuli_chr04	17291231	CC	AA	1940281642
SNP_P1_59861_17291489	NC_021163.1	Ca_kabuli_chr04	17291489	AA	GG	1940281643
SNP_P1_59862_17291708	NC_021163.1	Ca_kabuli_chr04	17291708	AA	GG	1940281644
SNP_P1_59863_17291712	NC_021163.1	Ca_kabuli_chr04	17291712	CC	TT	1940281646
SNP_P1_59864_17291742	NC_021163.1	Ca_kabuli_chr04	17291742	CC	TT	1940281647
SNP_P1_59865_17291772	NC_021163.1	Ca_kabuli_chr04	17291772	CC	TT	1940281649
SNP_P1_59866_17291986	NC_021163.1	Ca_kabuli_chr04	17291986	CC	TT	1940281650
SNP_P1_59867_17292006	NC_021163.1	Ca_kabuli_chr04	17292006	TT	CC	1940281652
SNP_P1_59868_17292007	NC_021163.1	Ca_kabuli_chr04	17292007	GG	CC	1940281654
SNP_P1_59869_17292356	NC_021163.1	Ca_kabuli_chr04	17292356	TT	CC	1940281655
SNP_P1_59870_17292374	NC_021163.1	Ca_kabuli_chr04	17292374	AA	CC	1940281657
SNP_P1_59871_17292388	NC_021163.1	Ca_kabuli_chr04	17292388	TT	CC	1940281658
SNP_P1_59872_17292391	NC_021163.1	Ca_kabuli_chr04	17292391	AA	GG	1940281660
SNP_P1_59873_17292699	NC_021163.1	Ca_kabuli_chr04	17292699	AA	GG	1940281662
SNP_P1_59874_17292700	NC_021163.1	Ca_kabuli_chr04	17292700	TT	AA	1940281663
SNP_P1_59875_17293093	NC_021163.1	Ca_kabuli_chr04	17293093	AA	GG	1940281665
SNP_P1_59876_17293342	NC_021163.1	Ca_kabuli_chr04	17293342	AA	GG	1940281666
SNP_P1_59877_17293346	NC_021163.1	Ca_kabuli_chr04	17293346	AA	GG	1940281668
SNP_P1_59878_17293348	NC_021163.1	Ca_kabuli_chr04	17293348	AA	GG	1940281669
SNP_P1_59879_17293398	NC_021163.1	Ca_kabuli_chr04	17293398	TT	CC	1940281671
SNP_P1_59881_17293616	NC_021163.1	Ca_kabuli_chr04	17293616	GG	AA	1940281673
SNP_P1_59882_17293633	NC_021163.1	Ca_kabuli_chr04	17293633	AA	GG	1940281674
SNP_P1_59883_17293768	NC_021163.1	Ca_kabuli_chr04	17293768	AA	GG	1940281676
SNP_P1_59884_17293854	NC_021163.1	Ca_kabuli_chr04	17293854	AA	CC	1940281677
SNP_P1_59885_17294997	NC_021163.1	Ca_kabuli_chr04	17294997	TT	AA	1940281679
SNP_P1_59886_17296075	NC_021163.1	Ca_kabuli_chr04	17296075	CC	TT	1940281681
SNP_P1_59887_17296992	NC_021163.1	Ca_kabuli_chr04	17296992	TT	AA	1940281682
SNP_P1_59889_17298555	NC_021163.1	Ca_kabuli_chr04	17298555	TT	CC	1940281684
SNP_P1_59890_17298810	NC_021163.1	Ca_kabuli_chr04	17298810	AA	TT	1940281685
SNP_P1_59891_17309732	NC_021163.1	Ca_kabuli_chr04	17309732	AA	CC	1940281687
SNP_P1_59892_17309827	NC_021163.1	Ca_kabuli_chr04	17309827	GG	CC	1940281689
SNP_P1_59893_17312044	NC_021163.1	Ca_kabuli_chr04	17312044	GG	CC	1940281690
SNP_P1_59894_17312104	NC_021163.1	Ca_kabuli_chr04	17312104	TT	CC	1940281692

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59897_17313602	NC_021163.1	Ca_kabuli_chr04	17313602	TT	AA	1940281695
SNP_P1_59898_17314130	NC_021163.1	Ca_kabuli_chr04	17314130	AA	GG	1940281697
SNP_P1_59899_17314178	NC_021163.1	Ca_kabuli_chr04	17314178	GG	AA	1940281698
SNP_P1_59900_17314215	NC_021163.1	Ca_kabuli_chr04	17314215	AA	GG	1940281700
SNP_P1_59902_17314543	NC_021163.1	Ca_kabuli_chr04	17314543	AA	TT	1940281702
SNP_P1_59903_17314557	NC_021163.1	Ca_kabuli_chr04	17314557	AA	GG	1940281703
SNP_P1_59905_17314754	NC_021163.1	Ca_kabuli_chr04	17314754	TT	AA	1940281705
SNP_P1_59906_17314757	NC_021163.1	Ca_kabuli_chr04	17314757	TT	AA	1940281706
SNP_P1_59907_17314759	NC_021163.1	Ca_kabuli_chr04	17314759	TT	AA	1940281708
SNP_P1_59911_17315364	NC_021163.1	Ca_kabuli_chr04	17315364	TT	CC	1940281710
SNP_P1_59912_17315370	NC_021163.1	Ca_kabuli_chr04	17315370	AA	GG	1940281711
SNP_P1_59913_17315378	NC_021163.1	Ca_kabuli_chr04	17315378	CC	TT	1940281713
SNP_P1_59914_17315396	NC_021163.1	Ca_kabuli_chr04	17315396	CC	TT	1940281714
SNP_P1_59915_17315413	NC_021163.1	Ca_kabuli_chr04	17315413	AA	GG	1940281716
SNP_P1_59917_17318145	NC_021163.1	Ca_kabuli_chr04	17318145	TT	GG	1940281718
SNP_P1_59918_17318759	NC_021163.1	Ca_kabuli_chr04	17318759	AA	GG	1940281719
SNP_P1_59919_17318961	NC_021163.1	Ca_kabuli_chr04	17318961	AA	GG	1940281721
SNP_P1_59920_17319200	NC_021163.1	Ca_kabuli_chr04	17319200	AA	TT	1940281722
SNP_P1_59922_1732164	NC_021163.1	Ca_kabuli_chr04	17322164	TT	CC	1940281724
SNP_P1_59923_17322404	NC_021163.1	Ca_kabuli_chr04	17322404	AA	GG	1940281726
SNP_P1_59924_17322493	NC_021163.1	Ca_kabuli_chr04	17322493	CC	AA	1940281727
SNP_P1_59925_17322528	NC_021163.1	Ca_kabuli_chr04	17322528	GG	TT	1940281729
SNP_P1_59926_17322553	NC_021163.1	Ca_kabuli_chr04	17322553	GG	AA	1940281731
SNP_P1_59927_17322606	NC_021163.1	Ca_kabuli_chr04	17322606	AA	GG	1940281732
SNP_P1_59928_17322697	NC_021163.1	Ca_kabuli_chr04	17322697	AA	CC	1940281734
SNP_P1_59929_17322798	NC_021163.1	Ca_kabuli_chr04	17322798	AA	GG	1940281735
SNP_P1_59931_17324406	NC_021163.1	Ca_kabuli_chr04	17324406	TT	AA	1940281737
SNP_P1_59933_17324637	NC_021163.1	Ca_kabuli_chr04	17324637	AA	TT	1940281738
SNP_P1_59934_17324660	NC_021163.1	Ca_kabuli_chr04	17324660	CC	GG	1940281740
SNP_P1_59935_17325194	NC_021163.1	Ca_kabuli_chr04	17325194	GG	AA	1940281742
SNP_P1_59937_17325695	NC_021163.1	Ca_kabuli_chr04	17325695	AA	TT	1940281743
SNP_P1_59938_17325701	NC_021163.1	Ca_kabuli_chr04	17325701	AA	TT	1940281745
SNP_P1_59940_17325978	NC_021163.1	Ca_kabuli_chr04	17325978	AA	TT	1940281746
SNP_P1_59942_17327379	NC_021163.1	Ca_kabuli_chr04	17327379	GG	AA	1940281748
SNP_P1_59944_17328524	NC_021163.1	Ca_kabuli_chr04	17328524	TT	AA	1940281750
SNP_P1_59945_17328537	NC_021163.1	Ca_kabuli_chr04	17328537	AA	GG	1940281751
SNP_P1_59946_17328539	NC_021163.1	Ca_kabuli_chr04	17328539	GG	CC	1940281753
SNP_P1_59947_17328544	NC_021163.1	Ca_kabuli_chr04	17328544	TT	AA	1940281754
SNP_P1_59948_17329047	NC_021163.1	Ca_kabuli_chr04	17329047	AA	GG	1940281756
SNP_P1_59950_17329576	NC_021163.1	Ca_kabuli_chr04	17329576	TT	CC	1940281758
SNP_P1_59951_17329828	NC_021163.1	Ca_kabuli_chr04	17329828	TT	AA	1940281759

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_59953_17331700	NC_021163.1	Ca_kabuli_chr04	17331700	CC	TT	1940281762
SNP_P1_59954_17331706	NC_021163.1	Ca_kabuli_chr04	17331706	AA	TT	1940281764
SNP_P1_59955_17331743	NC_021163.1	Ca_kabuli_chr04	17331743	TT	CC	1940281766
SNP_P1_59956_17331779	NC_021163.1	Ca_kabuli_chr04	17331779	CC	TT	1940281767
SNP_P1_59957_17331959	NC_021163.1	Ca_kabuli_chr04	17331959	CC	TT	1940281769
SNP_P1_59959_17333253	NC_021163.1	Ca_kabuli_chr04	17333253	GG	AA	1940281770
SNP_P1_59960_17333887	NC_021163.1	Ca_kabuli_chr04	17333887	CC	AA	1940281772
SNP_P1_59961_17334204	NC_021163.1	Ca_kabuli_chr04	17334204	GG	AA	1940281774
SNP_P1_59962_17334490	NC_021163.1	Ca_kabuli_chr04	17334490	CC	TT	1940281775
SNP_P1_59963_17334760	NC_021163.1	Ca_kabuli_chr04	17334760	CC	TT	1940281777
SNP_P1_59964_17335181	NC_021163.1	Ca_kabuli_chr04	17335181	TT	AA	1940281778
SNP_P1_59965_17335201	NC_021163.1	Ca_kabuli_chr04	17335201	TT	CC	1940281780
SNP_P1_59966_17335358	NC_021163.1	Ca_kabuli_chr04	17335358	CC	TT	1940281782
SNP_P1_59967_17336903	NC_021163.1	Ca_kabuli_chr04	17336903	TT	CC	1940281783
SNP_P1_59968_17336904	NC_021163.1	Ca_kabuli_chr04	17336904	GG	AA	1940281785
SNP_P1_59969_17336918	NC_021163.1	Ca_kabuli_chr04	17336918	AA	GG	1940281786
SNP_P1_59970_17338857	NC_021163.1	Ca_kabuli_chr04	17338857	TT	CC	1940281788
SNP_P1_59971_17339200	NC_021163.1	Ca_kabuli_chr04	17339200	GG	AA	1940281790
SNP_P1_59972_17339399	NC_021163.1	Ca_kabuli_chr04	17339399	AA	GG	1940281791
SNP_P1_59973_17339711	NC_021163.1	Ca_kabuli_chr04	17339711	CC	TT	1940281793
SNP_P1_59975_17340574	NC_021163.1	Ca_kabuli_chr04	17340574	TT	GG	1940281794
SNP_P1_59977_17343730	NC_021163.1	Ca_kabuli_chr04	17343730	GG	AA	1940281796
SNP_P1_59978_17343917	NC_021163.1	Ca_kabuli_chr04	17343917	AA	CC	1940281797
SNP_P1_59980_17344166	NC_021163.1	Ca_kabuli_chr04	17344166	CC	AA	1940281799
SNP_P1_59981_17344172	NC_021163.1	Ca_kabuli_chr04	17344172	AA	GG	1940281800
SNP_P1_59982_17344239	NC_021163.1	Ca_kabuli_chr04	17344239	GG	AA	1940281802
SNP_P1_59983_17344449	NC_021163.1	Ca_kabuli_chr04	17344449	CC	TT	1940281803
SNP_P1_59984_17344502	NC_021163.1	Ca_kabuli_chr04	17344502	AA	TT	1940281805
SNP_P1_59985_17344522	NC_021163.1	Ca_kabuli_chr04	17344522	TT	CC	1940281807
SNP_P1_59986_17344627	NC_021163.1	Ca_kabuli_chr04	17344627	AA	GG	1940281808
SNP_P1_59988_17347712	NC_021163.1	Ca_kabuli_chr04	17347712	TT	GG	1940281809
SNP_P1_59989_17348034	NC_021163.1	Ca_kabuli_chr04	17348034	CC	GG	1940281811
SNP_P1_59990_17348089	NC_021163.1	Ca_kabuli_chr04	17348089	CC	AA	1940281813
SNP_P1_59991_17348162	NC_021163.1	Ca_kabuli_chr04	17348162	GG	CC	1940281814
SNP_P1_59992_17348173	NC_021163.1	Ca_kabuli_chr04	17348173	AA	GG	1940281816
SNP_P1_59993_17348174	NC_021163.1	Ca_kabuli_chr04	17348174	AA	GG	1940281818
SNP_P1_59994_17349267	NC_021163.1	Ca_kabuli_chr04	17349267	GG	TT	1940281819
SNP_P1_59995_17349331	NC_021163.1	Ca_kabuli_chr04	17349331	TT	CC	1940281821
SNP_P1_59996_17349367	NC_021163.1	Ca_kabuli_chr04	17349367	TT	CC	1940281822
SNP_P1_59997_17352799	NC_021163.1	Ca_kabuli_chr04	17352799	TT	GG	1940281824
SNP_P1_59998_17353020	NC_021163.1	Ca_kabuli_chr04	17353020	AA	GG	1940281826

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60002_17353738	NC_021163.1	Ca_kabuli_chr04	17353738	TT	CC	1940281829
SNP_P1_60003_17353766	NC_021163.1	Ca_kabuli_chr04	17353766	CC	AA	1940281830
SNP_P1_60004_17353800	NC_021163.1	Ca_kabuli_chr04	17353800	GG	TT	1940281832
SNP_P1_60005_17353836	NC_021163.1	Ca_kabuli_chr04	17353836	AA	TT	1940281834
SNP_P1_60006_17353866	NC_021163.1	Ca_kabuli_chr04	17353866	GG	AA	1940281835
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SNP_P1_60008_17353877	NC_021163.1	Ca_kabuli_chr04	17353877	AA	GG	1940281838
SNP_P1_60009_17354126	NC_021163.1	Ca_kabuli_chr04	17354126	TT	GG	1940281840
SNP_P1_60010_17354444	NC_021163.1	Ca_kabuli_chr04	17354444	AA	TT	1940281842
SNP_P1_60011_17354495	NC_021163.1	Ca_kabuli_chr04	17354495	TT	CC	1940281843
SNP_P1_60013_17355117	NC_021163.1	Ca_kabuli_chr04	17355117	CC	TT	1940281845
SNP_P1_60014_17355328	NC_021163.1	Ca_kabuli_chr04	17355328	TT	AA	1940281846
SNP_P1_60015_17355338	NC_021163.1	Ca_kabuli_chr04	17355338	TT	AA	1940281848
SNP_P1_60016_17355351	NC_021163.1	Ca_kabuli_chr04	17355351	GG	AA	1940281850
SNP_P1_60017_17355406	NC_021163.1	Ca_kabuli_chr04	17355406	CC	AA	1940281851
SNP_P1_60018_17355579	NC_021163.1	Ca_kabuli_chr04	17355579	CC	AA	1940281853
SNP_P1_60020_17355622	NC_021163.1	Ca_kabuli_chr04	17355622	TT	AA	1940281855
SNP_P1_60021_17355630	NC_021163.1	Ca_kabuli_chr04	17355630	CC	AA	1940281856
SNP_P1_60022_17356447	NC_021163.1	Ca_kabuli_chr04	17356447	AA	CC	1940281858
SNP_P1_60023_17356452	NC_021163.1	Ca_kabuli_chr04	17356452	GG	AA	1940281859
SNP_P1_60024_17356607	NC_021163.1	Ca_kabuli_chr04	17356607	GG	AA	1940281861
SNP_P1_60025_17356784	NC_021163.1	Ca_kabuli_chr04	17356784	TT	GG	1940281862
SNP_P1_60026_17356914	NC_021163.1	Ca_kabuli_chr04	17356914	GG	AA	1940281864
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SNP_P1_60029_17356993	NC_021163.1	Ca_kabuli_chr04	17356993	CC	TT	1940281869
SNP_P1_60030_17358547	NC_021163.1	Ca_kabuli_chr04	17358547	TT	CC	1940281870
SNP_P1_60031_17358879	NC_021163.1	Ca_kabuli_chr04	17358879	TT	AA	1940281872
SNP_P1_60032_17358921	NC_021163.1	Ca_kabuli_chr04	17358921	TT	AA	1940281874
SNP_P1_60033_17358922	NC_021163.1	Ca_kabuli_chr04	17358922	TT	AA	1940281875
SNP_P1_60034_17359964	NC_021163.1	Ca_kabuli_chr04	17359964	TT	CC	1940281877
SNP_P1_60035_17360064	NC_021163.1	Ca_kabuli_chr04	17360064	GG	AA	1940281878
SNP_P1_60036_17360235	NC_021163.1	Ca_kabuli_chr04	17360235	TT	CC	1940281880
SNP_P1_60037_17360249	NC_021163.1	Ca_kabuli_chr04	17360249	AA	TT	1940281882
SNP_P1_60040_17362394	NC_021163.1	Ca_kabuli_chr04	17362394	GG	AA	1940281883
SNP_P1_60041_17362626	NC_021163.1	Ca_kabuli_chr04	17362626	TT	AA	1940281885
SNP_P1_60042_17363099	NC_021163.1	Ca_kabuli_chr04	17363099	AA	TT	1940281886
SNP_P1_60043_17363356	NC_021163.1	Ca_kabuli_chr04	17363356	CC	TT	1940281888
SNP_P1_60044_17363378	NC_021163.1	Ca_kabuli_chr04	17363378	AA	GG	1940281890
SNP_P1_60045_17363985	NC_021163.1	Ca_kabuli_chr04	17363985	CC	AA	1940281891
SNP_P1_60047_17364412	NC_021163.1	Ca_kabuli_chr04	17364412	AA	CC	1940281893

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_60048_17365079	NC_021163.1	Ca_kabuli_chr04	17365079	GG	AA	1940281894
SNP_P1_60050_17365402	NC_021163.1	Ca_kabuli_chr04	17365402	CC	TT	1940281896
SNP_P1_60051_17366584	NC_021163.1	Ca_kabuli_chr04	17366584	GG	CC	1940281898
SNP_P1_60053_17366772	NC_021163.1	Ca_kabuli_chr04	17366772	AA	CC	1940281899
SNP_P1_60055_17366939	NC_021163.1	Ca_kabuli_chr04	17366939	GG	TT	1940281901
SNP_P1_60056_17366944	NC_021163.1	Ca_kabuli_chr04	17366944	AA	TT	1940281902
SNP_P1_60057_17367000	NC_021163.1	Ca_kabuli_chr04	17367000	GG	TT	1940281903
SNP_P1_60058_17367105	NC_021163.1	Ca_kabuli_chr04	17367105	AA	GG	1940281905
SNP_P1_60059_17367106	NC_021163.1	Ca_kabuli_chr04	17367106	GG	AA	1940281907
SNP_P1_60060_17367134	NC_021163.1	Ca_kabuli_chr04	17367134	GG	AA	1940281908
SNP_P1_60062_17367164	NC_021163.1	Ca_kabuli_chr04	17367164	GG	AA	1940281910
SNP_P1_60064_17367677	NC_021163.1	Ca_kabuli_chr04	17367677	CC	AA	1940281912
SNP_P1_60065_17367952	NC_021163.1	Ca_kabuli_chr04	17367952	TT	CC	1940281913
SNP_P1_60066_17368797	NC_021163.1	Ca_kabuli_chr04	17368797	CC	TT	1940281915
SNP_P1_60067_17368804	NC_021163.1	Ca_kabuli_chr04	17368804	CC	TT	1940281916
SNP_P1_60068_17368825	NC_021163.1	Ca_kabuli_chr04	17368825	GG	TT	1940281917
SNP_P1_60070_17368878	NC_021163.1	Ca_kabuli_chr04	17368878	GG	CC	1940281919
SNP_P1_60072_17372426	NC_021163.1	Ca_kabuli_chr04	17372426	AA	GG	1940281921
SNP_P1_60073_17372451	NC_021163.1	Ca_kabuli_chr04	17372451	AA	GG	1940281922
SNP_P1_60074_17372469	NC_021163.1	Ca_kabuli_chr04	17372469	GG	AA	1940281924
SNP_P1_60075_17372655	NC_021163.1	Ca_kabuli_chr04	17372655	TT	CC	1940281925
SNP_P1_60077_17376800	NC_021163.1	Ca_kabuli_chr04	17376800	TT	CC	1940281927
SNP_P1_60078_17380479	NC_021163.1	Ca_kabuli_chr04	17380479	AA	GG	1940281929
SNP_P1_60079_17381209	NC_021163.1	Ca_kabuli_chr04	17381209	CC	AA	1940281930
SNP_P1_60080_17381453	NC_021163.1	Ca_kabuli_chr04	17381453	TT	CC	1940281932
SNP_P1_60081_17383425	NC_021163.1	Ca_kabuli_chr04	17383425	TT	GG	1940281933
SNP_P1_60082_17383426	NC_021163.1	Ca_kabuli_chr04	17383426	GG	CC	1940281935
SNP_P1_60083_17383473	NC_021163.1	Ca_kabuli_chr04	17383473	CC	TT	1940281937
SNP_P1_60084_17383477	NC_021163.1	Ca_kabuli_chr04	17383477	TT	CC	1940281938
SNP_P1_60085_17384697	NC_021163.1	Ca_kabuli_chr04	17384697	AA	GG	1940281940
SNP_P1_60086_17384974	NC_021163.1	Ca_kabuli_chr04	17384974	GG	TT	1940281941
SNP_P1_60087_17385056	NC_021163.1	Ca_kabuli_chr04	17385056	TT	GG	1940281943
SNP_P1_60088_17385058	NC_021163.1	Ca_kabuli_chr04	17385058	AA	GG	1940281944
SNP_P1_60089_17385098	NC_021163.1	Ca_kabuli_chr04	17385098	CC	TT	1940281946
SNP_P1_60090_17385104	NC_021163.1	Ca_kabuli_chr04	17385104	GG	TT	1940281948
SNP_P1_60091_17386333	NC_021163.1	Ca_kabuli_chr04	17386333	AA	CC	1940281949
SNP_P1_60092_17386362	NC_021163.1	Ca_kabuli_chr04	17386362	TT	GG	1940281951
SNP_P1_60093_17386651	NC_021163.1	Ca_kabuli_chr04	17386651	CC	GG	1940281952
SNP_P1_60094_17386677	NC_021163.1	Ca_kabuli_chr04	17386677	GG	AA	1940281954
SNP_P1_60095_17386681	NC_021163.1	Ca_kabuli_chr04	17386681	TT	AA	1940281956
SNP_P1_60096_17386694	NC_021163.1	Ca_kabuli_chr04	17386694	GG	TT	1940281957
SNP_P1_60097_17386733	NC_021163.1	Ca_kabuli_chr04	17386733	CC	TT	1940281959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_60098_17386739	NC_021163.1	Ca_kabuli_chr04	17386739	CC	TT	1940281960
SNP_P1_60100_17389036	NC_021163.1	Ca_kabuli_chr04	17389036	TT	CC	1940281962
SNP_P1_60101_17389069	NC_021163.1	Ca_kabuli_chr04	17389069	CC	TT	1940281964
SNP_P1_60102_17389070	NC_021163.1	Ca_kabuli_chr04	17389070	AA	CC	1940281965
SNP_P1_60103_17389299	NC_021163.1	Ca_kabuli_chr04	17389299	GG	AA	1940281967
SNP_P1_60104_17392302	NC_021163.1	Ca_kabuli_chr04	17392302	GG	AA	1940281968
SNP_P1_60105_17394050	NC_021163.1	Ca_kabuli_chr04	17394050	CC	TT	1940281970
SNP_P1_60107_17395128	NC_021163.1	Ca_kabuli_chr04	17395128	AA	GG	1940281972
SNP_P1_60108_17395146	NC_021163.1	Ca_kabuli_chr04	17395146	AA	GG	1940281973
SNP_P1_60110_17397872	NC_021163.1	Ca_kabuli_chr04	17397872	CC	AA	1940281975
SNP_P1_60111_17397897	NC_021163.1	Ca_kabuli_chr04	17397897	TT	GG	1940281977
SNP_P1_60112_17398168	NC_021163.1	Ca_kabuli_chr04	17398168	CC	GG	1940281978
SNP_P1_60113_17398645	NC_021163.1	Ca_kabuli_chr04	17398645	AA	GG	1940281980
SNP_P1_60116_17402316	NC_021163.1	Ca_kabuli_chr04	17402316	CC	TT	1940281981
SNP_P1_60117_17402424	NC_021163.1	Ca_kabuli_chr04	17402424	CC	TT	1940281983
SNP_P1_60118_17402896	NC_021163.1	Ca_kabuli_chr04	17402896	GG	CC	1940281984
SNP_P1_60119_17403021	NC_021163.1	Ca_kabuli_chr04	17403021	AA	GG	1940281986
SNP_P1_60120_17403032	NC_021163.1	Ca_kabuli_chr04	17403032	CC	AA	1940281988
SNP_P1_60121_17403038	NC_021163.1	Ca_kabuli_chr04	17403038	AA	GG	1940281989
SNP_P1_60122_17403077	NC_021163.1	Ca_kabuli_chr04	17403077	AA	GG	1940281991
SNP_P1_60123_17403256	NC_021163.1	Ca_kabuli_chr04	17403256	GG	AA	1940281992
SNP_P1_60124_17403290	NC_021163.1	Ca_kabuli_chr04	17403290	GG	AA	1940281994
SNP_P1_60125_17403297	NC_021163.1	Ca_kabuli_chr04	17403297	CC	TT	1940281996
SNP_P1_60126_17403329	NC_021163.1	Ca_kabuli_chr04	17403329	GG	AA	1940281997
SNP_P1_60127_17403335	NC_021163.1	Ca_kabuli_chr04	17403335	CC	TT	1940281999
SNP_P1_60128_17405094	NC_021163.1	Ca_kabuli_chr04	17405094	GG	TT	1940282000
SNP_P1_60129_17405254	NC_021163.1	Ca_kabuli_chr04	17405254	GG	AA	1940282002
SNP_P1_60131_17406893	NC_021163.1	Ca_kabuli_chr04	17406893	CC	AA	1940282004
SNP_P1_60132_17407407	NC_021163.1	Ca_kabuli_chr04	17407407	TT	CC	1940282005
SNP_P1_60133_17407479	NC_021163.1	Ca_kabuli_chr04	17407479	GG	TT	1940282007
SNP_P1_60134_17407736	NC_021163.1	Ca_kabuli_chr04	17407736	AA	GG	1940282008
SNP_P1_60135_17408503	NC_021163.1	Ca_kabuli_chr04	17408503	AA	TT	1940282010
SNP_P1_60136_17409094	NC_021163.1	Ca_kabuli_chr04	17409094	CC	AA	1940282012
SNP_P1_60137_17409922	NC_021163.1	Ca_kabuli_chr04	17409922	AA	GG	1940282013
SNP_P1_60138_17409958	NC_021163.1	Ca_kabuli_chr04	17409958	TT	CC	1940282015
SNP_P1_60139_17411849	NC_021163.1	Ca_kabuli_chr04	17411849	GG	AA	1940282017
SNP_P1_60140_17412462	NC_021163.1	Ca_kabuli_chr04	17412462	CC	TT	1940282018
SNP_P1_60141_17412479	NC_021163.1	Ca_kabuli_chr04	17412479	GG	CC	1940282020
SNP_P1_60142_17412499	NC_021163.1	Ca_kabuli_chr04	17412499	AA	CC	1940282021
SNP_P1_60143_17412511	NC_021163.1	Ca_kabuli_chr04	17412511	CC	TT	1940282023
SNP_P1_60144_17412519	NC_021163.1	Ca_kabuli_chr04	17412519	AA	GG	1940282024
SNP_P1_60145_17412521	NC_021163.1	Ca_kabuli_chr04	17412521	TT	CC	1940282026

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_60146_17414433	NC_021163.1	Ca_kabuli_chr04	17414433	GG	AA	1940282028
SNP_P1_60147_17414969	NC_021163.1	Ca_kabuli_chr04	17414969	TT	CC	1940282029
SNP_P1_60148_17414976	NC_021163.1	Ca_kabuli_chr04	17414976	TT	CC	1940282031
SNP_P1_60149_17414988	NC_021163.1	Ca_kabuli_chr04	17414988	GG	AA	1940282032
SNP_P1_60150_17415447	NC_021163.1	Ca_kabuli_chr04	17415447	GG	TT	1940282034
SNP_P1_60151_17415459	NC_021163.1	Ca_kabuli_chr04	17415459	TT	GG	1940282035
SNP_P1_60152_17415506	NC_021163.1	Ca_kabuli_chr04	17415506	TT	AA	1940282037
SNP_P1_60153_17415517	NC_021163.1	Ca_kabuli_chr04	17415517	CC	TT	1940282039
SNP_P1_60154_17415529	NC_021163.1	Ca_kabuli_chr04	17415529	GG	AA	1940282040
SNP_P1_60155_17415588	NC_021163.1	Ca_kabuli_chr04	17415588	AA	GG	1940282042
SNP_P1_60156_17415766	NC_021163.1	Ca_kabuli_chr04	17415766	GG	AA	1940282043
SNP_P1_60157_17415793	NC_021163.1	Ca_kabuli_chr04	17415793	GG	TT	1940282045
SNP_P1_60158_17415809	NC_021163.1	Ca_kabuli_chr04	17415809	CC	TT	1940282046
SNP_P1_60159_17415813	NC_021163.1	Ca_kabuli_chr04	17415813	GG	AA	1940282048
SNP_P1_60160_17415818	NC_021163.1	Ca_kabuli_chr04	17415818	TT	GG	1940282050
SNP_P1_60161_17415823	NC_021163.1	Ca_kabuli_chr04	17415823	GG	AA	1940282051
SNP_P1_60162_17415854	NC_021163.1	Ca_kabuli_chr04	17415854	GG	AA	1940282053
SNP_P1_60163_17415903	NC_021163.1	Ca_kabuli_chr04	17415903	GG	AA	1940282054
SNP_P1_60164_17419090	NC_021163.1	Ca_kabuli_chr04	17419090	TT	CC	1940282056
SNP_P1_60165_17420047	NC_021163.1	Ca_kabuli_chr04	17420047	CC	TT	1940282058
SNP_P1_60166_17420091	NC_021163.1	Ca_kabuli_chr04	17420091	AA	GG	1940282059
SNP_P1_60168_17420391	NC_021163.1	Ca_kabuli_chr04	17420391	TT	CC	1940282061
SNP_P1_60169_17420486	NC_021163.1	Ca_kabuli_chr04	17420486	AA	GG	1940282062
SNP_P1_60170_17420506	NC_021163.1	Ca_kabuli_chr04	17420506	CC	TT	1940282064
SNP_P1_60171_17420530	NC_021163.1	Ca_kabuli_chr04	17420530	AA	GG	1940282066
SNP_P1_60172_17420543	NC_021163.1	Ca_kabuli_chr04	17420543	TT	GG	1940282067
SNP_P1_60173_17420547	NC_021163.1	Ca_kabuli_chr04	17420547	TT	CC	1940282069
SNP_P1_60174_17420660	NC_021163.1	Ca_kabuli_chr04	17420660	CC	TT	1940282070
SNP_P1_60176_17420764	NC_021163.1	Ca_kabuli_chr04	17420764	AA	GG	1940282072
SNP_P1_60177_17420788	NC_021163.1	Ca_kabuli_chr04	17420788	TT	AA	1940282074
SNP_P1_60178_17420794	NC_021163.1	Ca_kabuli_chr04	17420794	AA	TT	1940282075
SNP_P1_60179_17420850	NC_021163.1	Ca_kabuli_chr04	17420850	TT	AA	1940282077
SNP_P1_60180_17420852	NC_021163.1	Ca_kabuli_chr04	17420852	TT	CC	1940282078
SNP_P1_60181_17420870	NC_021163.1	Ca_kabuli_chr04	17420870	GG	AA	1940282080
SNP_P1_60182_17421011	NC_021163.1	Ca_kabuli_chr04	17421011	GG	TT	1940282082
SNP_P1_60183_17421031	NC_021163.1	Ca_kabuli_chr04	17421031	CC	TT	1940282083
SNP_P1_60184_17421111	NC_021163.1	Ca_kabuli_chr04	17421111	CC	AA	1940282085
SNP_P1_60186_17421197	NC_021163.1	Ca_kabuli_chr04	17421197	CC	TT	1940282086
SNP_P1_60187_17421214	NC_021163.1	Ca_kabuli_chr04	17421214	GG	AA	1940282088
SNP_P1_60189_17421296	NC_021163.1	Ca_kabuli_chr04	17421296	CC	GG	1940282090
SNP_P1_60190_17421378	NC_021163.1	Ca_kabuli_chr04	17421378	CC	TT	1940282091
SNP_P1_60191_17421388	NC_021163.1	Ca_kabuli_chr04	17421388	GG	AA	1940282093

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_60192_17421428	NC_021163.1	Ca_kabuli_chr04	17421428	CC	GG	1940282094
SNP_P1_60193_17421434	NC_021163.1	Ca_kabuli_chr04	17421434	AA	CC	1940282096
SNP_P1_60194_17421474	NC_021163.1	Ca_kabuli_chr04	17421474	TT	CC	1940282098
SNP_P1_60195_17421511	NC_021163.1	Ca_kabuli_chr04	17421511	AA	GG	1940282099
SNP_P1_60196_17421528	NC_021163.1	Ca_kabuli_chr04	17421528	CC	TT	1940282101
SNP_P1_60197_17421552	NC_021163.1	Ca_kabuli_chr04	17421552	AA	GG	1940282102
SNP_P1_60198_17421565	NC_021163.1	Ca_kabuli_chr04	17421565	AA	GG	1940282103
SNP_P1_60199_17421576	NC_021163.1	Ca_kabuli_chr04	17421576	GG	AA	1940282105
SNP_P1_60200_17421634	NC_021163.1	Ca_kabuli_chr04	17421634	AA	GG	1940282107
SNP_P1_60201_17421635	NC_021163.1	Ca_kabuli_chr04	17421635	AA	GG	1940282108
SNP_P1_60202_17421693	NC_021163.1	Ca_kabuli_chr04	17421693	GG	TT	1940282110
SNP_P1_60203_17421724	NC_021163.1	Ca_kabuli_chr04	17421724	AA	CC	1940282112
SNP_P1_60204_17421788	NC_021163.1	Ca_kabuli_chr04	17421788	GG	CC	1940282113
SNP_P1_60205_17421818	NC_021163.1	Ca_kabuli_chr04	17421818	CC	TT	1940282115
SNP_P1_60206_17421832	NC_021163.1	Ca_kabuli_chr04	17421832	GG	AA	1940282116
SNP_P1_60207_17422069	NC_021163.1	Ca_kabuli_chr04	17422069	CC	GG	1940282118
SNP_P1_60208_17422072	NC_021163.1	Ca_kabuli_chr04	17422072	CC	TT	1940282120
SNP_P1_60209_17422075	NC_021163.1	Ca_kabuli_chr04	17422075	CC	GG	1940282121
SNP_P1_60210_17422076	NC_021163.1	Ca_kabuli_chr04	17422076	GG	AA	1940282123
SNP_P1_60211_17422173	NC_021163.1	Ca_kabuli_chr04	17422173	AA	GG	1940282124
SNP_P1_60212_17422178	NC_021163.1	Ca_kabuli_chr04	17422178	CC	TT	1940282126
SNP_P1_60213_17422186	NC_021163.1	Ca_kabuli_chr04	17422186	CC	TT	1940282128
SNP_P1_60214_17423226	NC_021163.1	Ca_kabuli_chr04	17423226	GG	CC	1940282129
SNP_P1_60217_17423353	NC_021163.1	Ca_kabuli_chr04	17423353	GG	AA	1940282131
SNP_P1_60218_17423379	NC_021163.1	Ca_kabuli_chr04	17423379	AA	CC	1940282132
SNP_P1_60219_17423390	NC_021163.1	Ca_kabuli_chr04	17423390	CC	TT	1940282134
SNP_P1_60220_17423397	NC_021163.1	Ca_kabuli_chr04	17423397	GG	AA	1940282135
SNP_P1_60221_17423420	NC_021163.1	Ca_kabuli_chr04	17423420	TT	CC	1940282137
SNP_P1_60222_17423426	NC_021163.1	Ca_kabuli_chr04	17423426	TT	CC	1940282139
SNP_P1_60223_17423450	NC_021163.1	Ca_kabuli_chr04	17423450	TT	CC	1940282140
SNP_P1_60224_17423551	NC_021163.1	Ca_kabuli_chr04	17423551	TT	AA	1940282142
SNP_P1_60226_17423585	NC_021163.1	Ca_kabuli_chr04	17423585	TT	CC	1940282143
SNP_P1_60227_17423647	NC_021163.1	Ca_kabuli_chr04	17423647	TT	CC	1940282145
SNP_P1_60228_17423648	NC_021163.1	Ca_kabuli_chr04	17423648	AA	GG	1940282147
SNP_P1_60229_17423701	NC_021163.1	Ca_kabuli_chr04	17423701	CC	GG	1940282148
SNP_P1_60230_17423703	NC_021163.1	Ca_kabuli_chr04	17423703	AA	GG	1940282150
SNP_P1_60231_17424955	NC_021163.1	Ca_kabuli_chr04	17424955	GG	AA	1940282151
SNP_P1_60232_17424966	NC_021163.1	Ca_kabuli_chr04	17424966	GG	AA	1940282153
SNP_P1_60233_17424989	NC_021163.1	Ca_kabuli_chr04	17424989	CC	TT	1940282155
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SNP_P1_60235_17425018	NC_021163.1	Ca_kabuli_chr04	17425018	TT	CC	1940282158
SNP_P1_60236_17425659	NC_021163.1	Ca_kabuli_chr04	17425659	CC	TT	1940282159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60238_17425665	NC_021163.1	Ca_kabuli_chr04	17425665	TT	CC	1940282163
SNP_P1_60239_17425688	NC_021163.1	Ca_kabuli_chr04	17425688	AA	CC	1940282164
SNP_P1_60240_17425696	NC_021163.1	Ca_kabuli_chr04	17425696	CC	TT	1940282166
SNP_P1_60241_17425697	NC_021163.1	Ca_kabuli_chr04	17425697	TT	CC	1940282167
SNP_P1_60242_17425729	NC_021163.1	Ca_kabuli_chr04	17425729	TT	AA	1940282169
SNP_P1_60243_17425730	NC_021163.1	Ca_kabuli_chr04	17425730	CC	GG	1940282171
SNP_P1_60245_17426053	NC_021163.1	Ca_kabuli_chr04	17426053	AA	GG	1940282172
SNP_P1_60246_17426058	NC_021163.1	Ca_kabuli_chr04	17426058	GG	AA	1940282174
SNP_P1_60247_17426204	NC_021163.1	Ca_kabuli_chr04	17426204	CC	TT	1940282175
SNP_P1_60248_17427362	NC_021163.1	Ca_kabuli_chr04	17427362	CC	TT	1940282177
SNP_P1_60249_17428101	NC_021163.1	Ca_kabuli_chr04	17428101	CC	TT	1940282179
SNP_P1_60250_17428440	NC_021163.1	Ca_kabuli_chr04	17428440	CC	TT	1940282180
SNP_P1_60251_17429237	NC_021163.1	Ca_kabuli_chr04	17429237	CC	GG	1940282182
SNP_P1_60252_17429457	NC_021163.1	Ca_kabuli_chr04	17429457	TT	AA	1940282183
SNP_P1_60253_17429468	NC_021163.1	Ca_kabuli_chr04	17429468	CC	TT	1940282185
SNP_P1_60254_17430298	NC_021163.1	Ca_kabuli_chr04	17430298	GG	CC	1940282187
SNP_P1_60256_17430554	NC_021163.1	Ca_kabuli_chr04	17430554	AA	CC	1940282188
SNP_P1_60257_17431156	NC_021163.1	Ca_kabuli_chr04	17431156	TT	CC	1940282190
SNP_P1_60258_17431553	NC_021163.1	Ca_kabuli_chr04	17431553	AA	GG	1940282191
SNP_P1_60260_17431595	NC_021163.1	Ca_kabuli_chr04	17431595	GG	AA	1940282193
SNP_P1_60262_17432364	NC_021163.1	Ca_kabuli_chr04	17432364	GG	CC	1940282195
SNP_P1_60263_17432425	NC_021163.1	Ca_kabuli_chr04	17432425	GG	TT	1940282196
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SNP_P1_60266_17433914	NC_021163.1	Ca_kabuli_chr04	17433914	AA	GG	1940282199
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SNP_P1_60269_17434167	NC_021163.1	Ca_kabuli_chr04	17434167	TT	AA	1940282204
SNP_P1_60271_17434201	NC_021163.1	Ca_kabuli_chr04	17434201	GG	AA	1940282206
SNP_P1_60272_17434204	NC_021163.1	Ca_kabuli_chr04	17434204	GG	AA	1940282207
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SNP_P1_60276_17434851	NC_021163.1	Ca_kabuli_chr04	17434851	AA	GG	1940282212
SNP_P1_60277_17435001	NC_021163.1	Ca_kabuli_chr04	17435001	GG	AA	1940282214
SNP_P1_60278_17435030	NC_021163.1	Ca_kabuli_chr04	17435030	AA	GG	1940282216
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SNP_P1_60280_17435058	NC_021163.1	Ca_kabuli_chr04	17435058	AA	GG	1940282219
SNP_P1_60281_17435064	NC_021163.1	Ca_kabuli_chr04	17435064	AA	TT	1940282220
SNP_P1_60282_17435084	NC_021163.1	Ca_kabuli_chr04	17435084	GG	AA	1940282222
SNP_P1_60283_17435419	NC_021163.1	Ca_kabuli_chr04	17435419	AA	GG	1940282223
SNP_P1_60284_17435422	NC_021163.1	Ca_kabuli_chr04	17435422	AA	GG	1940282225
SNP_P1_60285_17435437	NC_021163.1	Ca_kabuli_chr04	17435437	AA	GG	1940282227

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60288_17436201	NC_021163.1	Ca_kabuli_chr04	17436201	TT	GG	1940282231
SNP_P1_60289_17436279	NC_021163.1	Ca_kabuli_chr04	17436279	TT	GG	1940282233
SNP_P1_60290_17436281	NC_021163.1	Ca_kabuli_chr04	17436281	GG	TT	1940282235
SNP_P1_60291_17436288	NC_021163.1	Ca_kabuli_chr04	17436288	AA	GG	1940282236
SNP_P1_60293_17436359	NC_021163.1	Ca_kabuli_chr04	17436359	AA	GG	1940282238
SNP_P1_60294_17436363	NC_021163.1	Ca_kabuli_chr04	17436363	CC	TT	1940282239
SNP_P1_60295_17438893	NC_021163.1	Ca_kabuli_chr04	17438893	CC	AA	1940282241
SNP_P1_60296_17438947	NC_021163.1	Ca_kabuli_chr04	17438947	AA	TT	1940282243
SNP_P1_60297_17439191	NC_021163.1	Ca_kabuli_chr04	17439191	TT	CC	1940282244
SNP_P1_60298_17439236	NC_021163.1	Ca_kabuli_chr04	17439236	TT	CC	1940282246
SNP_P1_60300_17439333	NC_021163.1	Ca_kabuli_chr04	17439333	CC	TT	1940282247
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SNP_P1_60303_17439571	NC_021163.1	Ca_kabuli_chr04	17439571	TT	GG	1940282252
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SNP_P1_60308_17439938	NC_021163.1	Ca_kabuli_chr04	17439938	TT	CC	1940282261
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SNP_P1_60312_17440052	NC_021163.1	Ca_kabuli_chr04	17440052	CC	TT	1940282267
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SNP_P1_60317_17440281	NC_021163.1	Ca_kabuli_chr04	17440281	GG	AA	1940282275
SNP_P1_60318_17440292	NC_021163.1	Ca_kabuli_chr04	17440292	TT	CC	1940282276
SNP_P1_60319_17440300	NC_021163.1	Ca_kabuli_chr04	17440300	GG	AA	1940282278
SNP_P1_60320_17440989	NC_021163.1	Ca_kabuli_chr04	17440989	CC	TT	1940282279
SNP_P1_60321_17440993	NC_021163.1	Ca_kabuli_chr04	17440993	AA	GG	1940282280
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SNP_P1_60327_17442664	NC_021163.1	Ca_kabuli_chr04	17442664	CC	GG	1940282290
SNP_P1_60328_17443121	NC_021163.1	Ca_kabuli_chr04	17443121	CC	TT	1940282292
SNP_P1_60330_17443506	NC_021163.1	Ca_kabuli_chr04	17443506	AA	CC	1940282293

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60333_17444885	NC_021163.1	Ca_kabuli_chr04	17444885	CC	TT	1940282298
SNP_P1_60334_17445937	NC_021163.1	Ca_kabuli_chr04	17445937	GG	AA	1940282299
SNP_P1_60335_17446619	NC_021163.1	Ca_kabuli_chr04	17446619	CC	TT	1940282301
SNP_P1_60336_17446647	NC_021163.1	Ca_kabuli_chr04	17446647	AA	GG	1940282302
SNP_P1_60337_17446953	NC_021163.1	Ca_kabuli_chr04	17446953	CC	GG	1940282304
SNP_P1_60338_17447716	NC_021163.1	Ca_kabuli_chr04	17447716	TT	CC	1940282306
SNP_P1_60339_17447730	NC_021163.1	Ca_kabuli_chr04	17447730	AA	CC	1940282307
SNP_P1_60340_17447742	NC_021163.1	Ca_kabuli_chr04	17447742	AA	GG	1940282309
SNP_P1_60341_17447750	NC_021163.1	Ca_kabuli_chr04	17447750	AA	GG	1940282310
SNP_P1_60342_17447791	NC_021163.1	Ca_kabuli_chr04	17447791	GG	AA	1940282312
SNP_P1_60345_17448144	NC_021163.1	Ca_kabuli_chr04	17448144	AA	GG	1940282314
SNP_P1_60346_17448544	NC_021163.1	Ca_kabuli_chr04	17448544	AA	CC	1940282315
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SNP_P1_60354_17459659	NC_021163.1	Ca_kabuli_chr04	17459659	CC	TT	1940282328
SNP_P1_60355_17461610	NC_021163.1	Ca_kabuli_chr04	17461610	AA	TT	1940282330
SNP_P1_60356_17461634	NC_021163.1	Ca_kabuli_chr04	17461634	AA	TT	1940282331
SNP_P1_60357_17461709	NC_021163.1	Ca_kabuli_chr04	17461709	TT	CC	1940282333
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SNP_P1_60359_17461745	NC_021163.1	Ca_kabuli_chr04	17461745	GG	AA	1940282336
SNP_P1_60361_17462034	NC_021163.1	Ca_kabuli_chr04	17462034	TT	CC	1940282337
SNP_P1_60363_17462977	NC_021163.1	Ca_kabuli_chr04	17462977	GG	AA	1940282339
SNP_P1_60364_17464338	NC_021163.1	Ca_kabuli_chr04	17464338	GG	AA	1940282341
SNP_P1_60365_17464956	NC_021163.1	Ca_kabuli_chr04	17464956	CC	TT	1940282342
SNP_P1_60366_17467875	NC_021163.1	Ca_kabuli_chr04	17467875	TT	GG	1940282344
SNP_P1_60367_17468882	NC_021163.1	Ca_kabuli_chr04	17468882	GG	AA	1940282345
SNP_P1_60368_17469119	NC_021163.1	Ca_kabuli_chr04	17469119	TT	AA	1940282347
SNP_P1_60369_17469386	NC_021163.1	Ca_kabuli_chr04	17469386	TT	CC	1940282349
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SNP_P1_60371_17469553	NC_021163.1	Ca_kabuli_chr04	17469553	GG	AA	1940282352
SNP_P1_60372_17469617	NC_021163.1	Ca_kabuli_chr04	17469617	AA	GG	1940282353
SNP_P1_60373_17470588	NC_021163.1	Ca_kabuli_chr04	17470588	GG	TT	1940282355
SNP_P1_60374_17470838	NC_021163.1	Ca_kabuli_chr04	17470838	GG	AA	1940282357
SNP_P1_60377_17471059	NC_021163.1	Ca_kabuli_chr04	17471059	GG	AA	1940282358
SNP_P1_60378_17471104	NC_021163.1	Ca_kabuli_chr04	17471104	TT	CC	1940282360

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60382_17474775	NC_021163.1	Ca_kabuli_chr04	17474775	GG	AA	1940282365
SNP_P1_60383_17474930	NC_021163.1	Ca_kabuli_chr04	17474930	GG	AA	1940282366
SNP_P1_60384_17475106	NC_021163.1	Ca_kabuli_chr04	17475106	TT	AA	1940282368
SNP_P1_60386_17475948	NC_021163.1	Ca_kabuli_chr04	17475948	CC	TT	1940282369
SNP_P1_60387_17475987	NC_021163.1	Ca_kabuli_chr04	17475987	AA	TT	1940282371
SNP_P1_60388_17476269	NC_021163.1	Ca_kabuli_chr04	17476269	AA	TT	1940282373
SNP_P1_60389_17481872	NC_021163.1	Ca_kabuli_chr04	17481872	GG	TT	1940282374
SNP_P1_60390_17483838	NC_021163.1	Ca_kabuli_chr04	17483838	TT	CC	1940282376
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SNP_P1_60394_17485848	NC_021163.1	Ca_kabuli_chr04	17485848	CC	TT	1940282381
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SNP_P1_60396_17486908	NC_021163.1	Ca_kabuli_chr04	17486908	GG	AA	1940282384
SNP_P1_60398_17489054	NC_021163.1	Ca_kabuli_chr04	17489054	GG	AA	1940282386
SNP_P1_60399_17489210	NC_021163.1	Ca_kabuli_chr04	17489210	AA	GG	1940282387
SNP_P1_60400_17489212	NC_021163.1	Ca_kabuli_chr04	17489212	TT	GG	1940282389
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SNP_P1_60406_17492287	NC_021163.1	Ca_kabuli_chr04	17492287	TT	GG	1940282397
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SNP_P1_60412_17493610	NC_021163.1	Ca_kabuli_chr04	17493610	AA	GG	1940282406
SNP_P1_60413_17494840	NC_021163.1	Ca_kabuli_chr04	17494840	AA	GG	1940282408
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SNP_P1_60417_17495500	NC_021163.1	Ca_kabuli_chr04	17495500	GG	AA	1940282411
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SNP_P1_60419_17495587	NC_021163.1	Ca_kabuli_chr04	17495587	GG	AA	1940282414
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SNP_P1_60422_17498303	NC_021163.1	Ca_kabuli_chr04	17498303	AA	CC	1940282417
SNP_P1_60423_17498461	NC_021163.1	Ca_kabuli_chr04	17498461	AA	GG	1940282419
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SNP_P1_60427_17518777	NC_021163.1	Ca_kabuli_chr04	17518777	AA	TT	1940282424
SNP_P1_60428_17518807	NC_021163.1	Ca_kabuli_chr04	17518807	CC	AA	1940282425
SNP_P1_60430_17523124	NC_021163.1	Ca_kabuli_chr04	17523124	CC	TT	1940282427

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60435_17525616	NC_021163.1	Ca_kabuli_chr04	17525616	GG	AA	1940282434
SNP_P1_60436_17526907	NC_021163.1	Ca_kabuli_chr04	17526907	TT	CC	1940282435
SNP_P1_60437_17527159	NC_021163.1	Ca_kabuli_chr04	17527159	CC	TT	1940282437
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SNP_P1_60443_17533015	NC_021163.1	Ca_kabuli_chr04	17533015	CC	GG	1940282445
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SNP_P1_60446_17533355	NC_021163.1	Ca_kabuli_chr04	17533355	TT	AA	1940282449
SNP_P1_60447_17533375	NC_021163.1	Ca_kabuli_chr04	17533375	AA	GG	1940282451
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SNP_P1_60451_17533622	NC_021163.1	Ca_kabuli_chr04	17533622	CC	AA	1940282454
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SNP_P1_60453_17534807	NC_021163.1	Ca_kabuli_chr04	17534807	TT	CC	1940282458
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SNP_P1_60460_17535082	NC_021163.1	Ca_kabuli_chr04	17535082	CC	TT	1940282467
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SNP_P1_60465_17537160	NC_021163.1	Ca_kabuli_chr04	17537160	GG	CC	1940282472
SNP_P1_60466_17537815	NC_021163.1	Ca_kabuli_chr04	17537815	TT	CC	1940282474
SNP_P1_60467_17537854	NC_021163.1	Ca_kabuli_chr04	17537854	AA	GG	1940282475
SNP_P1_60468_17537902	NC_021163.1	Ca_kabuli_chr04	17537902	AA	GG	1940282477
SNP_P1_60469_17538063	NC_021163.1	Ca_kabuli_chr04	17538063	CC	TT	1940282478
SNP_P1_60470_17539746	NC_021163.1	Ca_kabuli_chr04	17539746	TT	CC	1940282480
SNP_P1_60471_17544898	NC_021163.1	Ca_kabuli_chr04	17544898	GG	AA	1940282482
SNP_P1_60473_17547726	NC_021163.1	Ca_kabuli_chr04	17547726	GG	AA	1940282483
SNP_P1_60474_17550024	NC_021163.1	Ca_kabuli_chr04	17550024	GG	AA	1940282485
SNP_P1_60476_17553513	NC_021163.1	Ca_kabuli_chr04	17553513	TT	AA	1940282486
SNP_P1_60477_17553863	NC_021163.1	Ca_kabuli_chr04	17553863	AA	CC	1940282488
SNP_P1_60478_17554204	NC_021163.1	Ca_kabuli_chr04	17554204	GG	TT	1940282490
SNP_P1_60479_17554452	NC_021163.1	Ca_kabuli_chr04	17554452	CC	AA	1940282491
SNP_P1_60480_17555145	NC_021163.1	Ca_kabuli_chr04	17555145	AA	GG	1940282493
SNP_P1_60481_17556596	NC_021163.1	Ca_kabuli_chr04	17556596	CC	TT	1940282494

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60483_17557640	NC_021163.1	Ca_kabuli_chr04	17557640	AA	GG	1940282497
SNP_P1_60484_17557754	NC_021163.1	Ca_kabuli_chr04	17557754	GG	TT	1940282499
SNP_P1_60485_17557755	NC_021163.1	Ca_kabuli_chr04	17557755	GG	CC	1940282501
SNP_P1_60486_17560590	NC_021163.1	Ca_kabuli_chr04	17560590	TT	CC	1940282502
SNP_P1_60487_17560893	NC_021163.1	Ca_kabuli_chr04	17560893	AA	CC	1940282504
SNP_P1_60488_17561103	NC_021163.1	Ca_kabuli_chr04	17561103	AA	CC	1940282505
SNP_P1_60489_17561114	NC_021163.1	Ca_kabuli_chr04	17561114	CC	TT	1940282507
SNP_P1_60490_17562683	NC_021163.1	Ca_kabuli_chr04	17562683	CC	TT	1940282509
SNP_P1_60491_17562852	NC_021163.1	Ca_kabuli_chr04	17562852	AA	CC	1940282510
SNP_P1_60492_17563560	NC_021163.1	Ca_kabuli_chr04	17563560	CC	TT	1940282512
SNP_P1_60493_17563638	NC_021163.1	Ca_kabuli_chr04	17563638	CC	TT	1940282514
SNP_P1_60494_17563956	NC_021163.1	Ca_kabuli_chr04	17563956	AA	CC	1940282515
SNP_P1_60495_17564306	NC_021163.1	Ca_kabuli_chr04	17564306	TT	CC	1940282517
SNP_P1_60496_17564320	NC_021163.1	Ca_kabuli_chr04	17564320	AA	CC	1940282518
SNP_P1_60497_17566886	NC_021163.1	Ca_kabuli_chr04	17566886	GG	AA	1940282520
SNP_P1_60498_17567079	NC_021163.1	Ca_kabuli_chr04	17567079	TT	CC	1940282522
SNP_P1_60500_17568170	NC_021163.1	Ca_kabuli_chr04	17568170	TT	GG	1940282523
SNP_P1_60501_17568228	NC_021163.1	Ca_kabuli_chr04	17568228	TT	AA	1940282525
SNP_P1_60503_17577996	NC_021163.1	Ca_kabuli_chr04	17577996	CC	TT	1940282526
SNP_P1_60504_17578145	NC_021163.1	Ca_kabuli_chr04	17578145	GG	CC	1940282528
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SNP_P1_60506_17581562	NC_021163.1	Ca_kabuli_chr04	17581562	GG	AA	1940282531
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SNP_P1_60508_17581676	NC_021163.1	Ca_kabuli_chr04	17581676	CC	GG	1940282534
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SNP_P1_60510_17584072	NC_021163.1	Ca_kabuli_chr04	17584072	GG	AA	1940282538
SNP_P1_60511_17584983	NC_021163.1	Ca_kabuli_chr04	17584983	CC	TT	1940282539
SNP_P1_60512_17585413	NC_021163.1	Ca_kabuli_chr04	17585413	AA	CC	1940282541
SNP_P1_60513_17585769	NC_021163.1	Ca_kabuli_chr04	17585769	AA	GG	1940282542
SNP_P1_60514_17587309	NC_021163.1	Ca_kabuli_chr04	17587309	AA	CC	1940282544
SNP_P1_60515_17588837	NC_021163.1	Ca_kabuli_chr04	17588837	AA	GG	1940282546
SNP_P1_60516_17595197	NC_021163.1	Ca_kabuli_chr04	17595197	CC	GG	1940282547
SNP_P1_60517_17595392	NC_021163.1	Ca_kabuli_chr04	17595392	CC	GG	1940282549
SNP_P1_60518_17595546	NC_021163.1	Ca_kabuli_chr04	17595546	CC	AA	1940282550
SNP_P1_60519_17595763	NC_021163.1	Ca_kabuli_chr04	17595763	TT	CC	1940282552
SNP_P1_60520_17595864	NC_021163.1	Ca_kabuli_chr04	17595864	TT	AA	1940282553
SNP_P1_60521_17596054	NC_021163.1	Ca_kabuli_chr04	17596054	GG	TT	1940282555
SNP_P1_60522_17596360	NC_021163.1	Ca_kabuli_chr04	17596360	AA	GG	1940282557
SNP_P1_60523_17597909	NC_021163.1	Ca_kabuli_chr04	17597909	CC	AA	1940282558
SNP_P1_60524_17597982	NC_021163.1	Ca_kabuli_chr04	17597982	TT	GG	1940282560
SNP_P1_60525_17598712	NC_021163.1	Ca_kabuli_chr04	17598712	AA	GG	1940282562

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60527_17599005	NC_021163.1	Ca_kabuli_chr04	17599005	GG	CC	1940282565
SNP_P1_60528_17599183	NC_021163.1	Ca_kabuli_chr04	17599183	AA	TT	1940282566
SNP_P1_60529_17599223	NC_021163.1	Ca_kabuli_chr04	17599223	TT	AA	1940282568
SNP_P1_60530_17599307	NC_021163.1	Ca_kabuli_chr04	17599307	AA	GG	1940282570
SNP_P1_60531_17599326	NC_021163.1	Ca_kabuli_chr04	17599326	AA	GG	1940282571
SNP_P1_60532_17599438	NC_021163.1	Ca_kabuli_chr04	17599438	GG	CC	1940282573
SNP_P1_60533_17599439	NC_021163.1	Ca_kabuli_chr04	17599439	AA	GG	1940282574
SNP_P1_60534_17599483	NC_021163.1	Ca_kabuli_chr04	17599483	AA	GG	1940282576
SNP_P1_60535_17599488	NC_021163.1	Ca_kabuli_chr04	17599488	AA	CC	1940282578
SNP_P1_60536_17600067	NC_021163.1	Ca_kabuli_chr04	17600067	CC	AA	1940282580
SNP_P1_60537_17600078	NC_021163.1	Ca_kabuli_chr04	17600078	TT	CC	1940282582
SNP_P1_60538_17600176	NC_021163.1	Ca_kabuli_chr04	17600176	GG	AA	1940282584
SNP_P1_60539_17600187	NC_021163.1	Ca_kabuli_chr04	17600187	GG	AA	1940282586
SNP_P1_60540_17600188	NC_021163.1	Ca_kabuli_chr04	17600188	AA	GG	1940282589
SNP_P1_60541_17600259	NC_021163.1	Ca_kabuli_chr04	17600259	GG	AA	1940282591
SNP_P1_60542_17600264	NC_021163.1	Ca_kabuli_chr04	17600264	AA	TT	1940282593
SNP_P1_60543_17600292	NC_021163.1	Ca_kabuli_chr04	17600292	CC	GG	1940282595
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SNP_P1_60545_17600324	NC_021163.1	Ca_kabuli_chr04	17600324	TT	CC	1940282600
SNP_P1_60546_17600388	NC_021163.1	Ca_kabuli_chr04	17600388	TT	GG	1940282603
SNP_P1_60547_17600429	NC_021163.1	Ca_kabuli_chr04	17600429	AA	GG	1940282606
SNP_P1_60548_17600467	NC_021163.1	Ca_kabuli_chr04	17600467	AA	GG	1940282609
SNP_P1_60549_17600562	NC_021163.1	Ca_kabuli_chr04	17600562	TT	GG	1940282610
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SNP_P1_60551_17600744	NC_021163.1	Ca_kabuli_chr04	17600744	GG	AA	1940282613
SNP_P1_60552_17600774	NC_021163.1	Ca_kabuli_chr04	17600774	GG	CC	1940282614
SNP_P1_60555_17600936	NC_021163.1	Ca_kabuli_chr04	17600936	AA	TT	1940282616
SNP_P1_60556_17601012	NC_021163.1	Ca_kabuli_chr04	17601012	TT	CC	1940282617
SNP_P1_60557_17601081	NC_021163.1	Ca_kabuli_chr04	17601081	TT	AA	1940282619
SNP_P1_60558_17601144	NC_021163.1	Ca_kabuli_chr04	17601144	TT	CC	1940282621
SNP_P1_60559_17601446	NC_021163.1	Ca_kabuli_chr04	17601446	TT	CC	1940282623
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SNP_P1_60563_17601607	NC_021163.1	Ca_kabuli_chr04	17601607	CC	AA	1940282628
SNP_P1_60564_17601646	NC_021163.1	Ca_kabuli_chr04	17601646	TT	AA	1940282631
SNP_P1_60565_17601727	NC_021163.1	Ca_kabuli_chr04	17601727	TT	CC	1940282633
SNP_P1_60566_17601736	NC_021163.1	Ca_kabuli_chr04	17601736	CC	TT	1940282636
SNP_P1_60567_17601762	NC_021163.1	Ca_kabuli_chr04	17601762	GG	AA	1940282638
SNP_P1_60568_17601763	NC_021163.1	Ca_kabuli_chr04	17601763	AA	GG	1940282641
SNP_P1_60569_17601777	NC_021163.1	Ca_kabuli_chr04	17601777	CC	AA	1940282643
SNP_P1_60570_17601786	NC_021163.1	Ca_kabuli_chr04	17601786	GG	AA	1940282645

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60573_17601830	NC_021163.1	Ca_kabuli_chr04	17601830	GG	AA	1940282651
SNP_P1_60574_17601835	NC_021163.1	Ca_kabuli_chr04	17601835	GG	AA	1940282653
SNP_P1_60576_17601933	NC_021163.1	Ca_kabuli_chr04	17601933	TT	GG	1940282655
SNP_P1_60577_17602022	NC_021163.1	Ca_kabuli_chr04	17602022	CC	TT	1940282656
SNP_P1_60578_17602063	NC_021163.1	Ca_kabuli_chr04	17602063	AA	TT	1940282657
SNP_P1_60579_17602199	NC_021163.1	Ca_kabuli_chr04	17602199	GG	AA	1940282659
SNP_P1_60580_17602202	NC_021163.1	Ca_kabuli_chr04	17602202	GG	AA	1940282661
SNP_P1_60581_17602228	NC_021163.1	Ca_kabuli_chr04	17602228	GG	AA	1940282662
SNP_P1_60582_17602232	NC_021163.1	Ca_kabuli_chr04	17602232	GG	AA	1940282664
SNP_P1_60583_17602243	NC_021163.1	Ca_kabuli_chr04	17602243	GG	AA	1940282665
SNP_P1_60584_17602244	NC_021163.1	Ca_kabuli_chr04	17602244	TT	GG	1940282667
SNP_P1_60585_17602321	NC_021163.1	Ca_kabuli_chr04	17602321	CC	TT	1940282668
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SNP_P1_60588_17602932	NC_021163.1	Ca_kabuli_chr04	17602932	TT	CC	1940282671
SNP_P1_60589_17603613	NC_021163.1	Ca_kabuli_chr04	17603613	CC	TT	1940282673
SNP_P1_60590_17606625	NC_021163.1	Ca_kabuli_chr04	17606625	AA	CC	1940282674
SNP_P1_60591_17606626	NC_021163.1	Ca_kabuli_chr04	17606626	TT	AA	1940282676
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SNP_P1_60605_17610768	NC_021163.1	Ca_kabuli_chr04	17610768	GG	AA	1940282695
SNP_P1_60606_17610951	NC_021163.1	Ca_kabuli_chr04	17610951	AA	GG	1940282696
SNP_P1_60607_17610976	NC_021163.1	Ca_kabuli_chr04	17610976	GG	AA	1940282698
SNP_P1_60608_17610987	NC_021163.1	Ca_kabuli_chr04	17610987	TT	CC	1940282699
SNP_P1_60609_17612297	NC_021163.1	Ca_kabuli_chr04	17612297	AA	GG	1940282701
SNP_P1_60611_17616082	NC_021163.1	Ca_kabuli_chr04	17616082	CC	AA	1940282702
SNP_P1_60612_17616084	NC_021163.1	Ca_kabuli_chr04	17616084	CC	TT	1940282703
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SNP_P1_60619_17618212	NC_021163.1	Ca_kabuli_chr04	17618212	TT	AA	1940282711
SNP_P1_60621_17618625	NC_021163.1	Ca_kabuli_chr04	17618625	TT	CC	1940282713

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60624_17618683	NC_021163.1	Ca_kabuli_chr04	17618683	CC	AA	1940282717
SNP_P1_60625_17618685	NC_021163.1	Ca_kabuli_chr04	17618685	GG	TT	1940282719
SNP_P1_60626_17618741	NC_021163.1	Ca_kabuli_chr04	17618741	AA	GG	1940282720
SNP_P1_60627_17618817	NC_021163.1	Ca_kabuli_chr04	17618817	AA	GG	1940282722
SNP_P1_60629_17619062	NC_021163.1	Ca_kabuli_chr04	17619062	TT	AA	1940282723
SNP_P1_60630_17619115	NC_021163.1	Ca_kabuli_chr04	17619115	TT	CC	1940282725
SNP_P1_60631_17619120	NC_021163.1	Ca_kabuli_chr04	17619120	AA	GG	1940282726
SNP_P1_60633_17619213	NC_021163.1	Ca_kabuli_chr04	17619213	CC	TT	1940282728
SNP_P1_60634_17619368	NC_021163.1	Ca_kabuli_chr04	17619368	GG	AA	1940282729
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SNP_P1_60636_17621423	NC_021163.1	Ca_kabuli_chr04	17621423	GG	CC	1940282732
SNP_P1_60637_17621456	NC_021163.1	Ca_kabuli_chr04	17621456	GG	TT	1940282733
SNP_P1_60638_17621964	NC_021163.1	Ca_kabuli_chr04	17621964	CC	TT	1940282735
SNP_P1_60639_17622252	NC_021163.1	Ca_kabuli_chr04	17622252	AA	CC	1940283029
SNP_P1_60640_17622335	NC_021163.1	Ca_kabuli_chr04	17622335	GG	CC	1940283030
SNP_P1_60641_17622652	NC_021163.1	Ca_kabuli_chr04	17622652	TT	AA	1940283031
SNP_P1_60643_17623144	NC_021163.1	Ca_kabuli_chr04	17623144	CC	AA	1940283032
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SNP_P1_60648_17625041	NC_021163.1	Ca_kabuli_chr04	17625041	CC	TT	1940283036
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SNP_P1_60651_17626477	NC_021163.1	Ca_kabuli_chr04	17626477	AA	TT	1940283038
SNP_P1_60652_17626478	NC_021163.1	Ca_kabuli_chr04	17626478	GG	TT	1940283039
SNP_P1_60654_17626651	NC_021163.1	Ca_kabuli_chr04	17626651	TT	CC	1940283040
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SNP_P1_60656_17626731	NC_021163.1	Ca_kabuli_chr04	17626731	AA	GG	1940283042
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SNP_P1_60660_17627789	NC_021163.1	Ca_kabuli_chr04	17627789	AA	TT	1940283046
SNP_P1_60661_17627910	NC_021163.1	Ca_kabuli_chr04	17627910	TT	AA	1940283047
SNP_P1_60662_17628072	NC_021163.1	Ca_kabuli_chr04	17628072	GG	AA	1940283048
SNP_P1_60663_17628074	NC_021163.1	Ca_kabuli_chr04	17628074	CC	GG	1940283049
SNP_P1_60664_17629117	NC_021163.1	Ca_kabuli_chr04	17629117	GG	TT	1940283050
SNP_P1_60666_17631084	NC_021163.1	Ca_kabuli_chr04	17631084	TT	GG	1940283051
SNP_P1_60667_17631123	NC_021163.1	Ca_kabuli_chr04	17631123	CC	GG	1940283052
SNP_P1_60669_17633666	NC_021163.1	Ca_kabuli_chr04	17633666	TT	CC	1940283053
SNP_P1_60670_17633923	NC_021163.1	Ca_kabuli_chr04	17633923	TT	AA	1940283054
SNP_P1_60672_17635156	NC_021163.1	Ca_kabuli_chr04	17635156	TT	CC	1940283055

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_60673_17635436	NC_021163.1	Ca_kabuli_chr04	17635436	GG	AA	1940283056
SNP_P1_60674_17635666	NC_021163.1	Ca_kabuli_chr04	17635666	CC	TT	1940283057
SNP_P1_60675_17635960	NC_021163.1	Ca_kabuli_chr04	17635960	GG	AA	1940283058
SNP_P1_60677_17636811	NC_021163.1	Ca_kabuli_chr04	17636811	AA	GG	1940283059
SNP_P1_60678_17636882	NC_021163.1	Ca_kabuli_chr04	17636882	TT	CC	1940283060
SNP_P1_60679_17637196	NC_021163.1	Ca_kabuli_chr04	17637196	CC	TT	1940283061
SNP_P1_60682_17637564	NC_021163.1	Ca_kabuli_chr04	17637564	TT	CC	1940283062
SNP_P1_60684_17637661	NC_021163.1	Ca_kabuli_chr04	17637661	CC	GG	1940283063
SNP_P1_60685_17638844	NC_021163.1	Ca_kabuli_chr04	17638844	AA	CC	1940283064
SNP_P1_60686_17638851	NC_021163.1	Ca_kabuli_chr04	17638851	AA	TT	1940283065
SNP_P1_60688_17639677	NC_021163.1	Ca_kabuli_chr04	17639677	GG	AA	1940283066
SNP_P1_60690_17640357	NC_021163.1	Ca_kabuli_chr04	17640357	GG	TT	1940283067
SNP_P1_60692_17640707	NC_021163.1	Ca_kabuli_chr04	17640707	GG	AA	1940283068
SNP_P1_60693_17640760	NC_021163.1	Ca_kabuli_chr04	17640760	CC	TT	1940283069
SNP_P1_60695_17641346	NC_021163.1	Ca_kabuli_chr04	17641346	TT	AA	1940283070
SNP_P1_60696_17641750	NC_021163.1	Ca_kabuli_chr04	17641750	GG	AA	1940283071
SNP_P1_60697_17642938	NC_021163.1	Ca_kabuli_chr04	17642938	TT	AA	1940283072
SNP_P1_60698_17642958	NC_021163.1	Ca_kabuli_chr04	17642958	AA	GG	1940283073
SNP_P1_60699_17645218	NC_021163.1	Ca_kabuli_chr04	17645218	AA	TT	1940283074
SNP_P1_60700_17645242	NC_021163.1	Ca_kabuli_chr04	17645242	AA	TT	1940283075
SNP_P1_60701_17645447	NC_021163.1	Ca_kabuli_chr04	17645447	TT	CC	1940283076
SNP_P1_60702_17645500	NC_021163.1	Ca_kabuli_chr04	17645500	GG	TT	1940283077
SNP_P1_60703_17645691	NC_021163.1	Ca_kabuli_chr04	17645691	TT	GG	1940283078
SNP_P1_60704_17645707	NC_021163.1	Ca_kabuli_chr04	17645707	TT	CC	1940283079
SNP_P1_60705_17645750	NC_021163.1	Ca_kabuli_chr04	17645750	TT	AA	1940283080
SNP_P1_60706_17645757	NC_021163.1	Ca_kabuli_chr04	17645757	AA	GG	1940283081
SNP_P1_60707_17645758	NC_021163.1	Ca_kabuli_chr04	17645758	TT	CC	1940283082
SNP_P1_60708_17645849	NC_021163.1	Ca_kabuli_chr04	17645849	TT	CC	1940283083
SNP_P1_60709_17645859	NC_021163.1	Ca_kabuli_chr04	17645859	TT	CC	1940283084
SNP_P1_60710_17645862	NC_021163.1	Ca_kabuli_chr04	17645862	TT	GG	1940283085
SNP_P1_60711_17647103	NC_021163.1	Ca_kabuli_chr04	17647103	AA	CC	1940283086
SNP_P1_60712_17648265	NC_021163.1	Ca_kabuli_chr04	17648265	TT	CC	1940283087
SNP_P1_60713_17648682	NC_021163.1	Ca_kabuli_chr04	17648682	CC	TT	1940283088
SNP_P1_60714_17648975	NC_021163.1	Ca_kabuli_chr04	17648975	GG	AA	1940283089
SNP_P1_60716_17649300	NC_021163.1	Ca_kabuli_chr04	17649300	AA	GG	1940283090
SNP_P1_60717_17649326	NC_021163.1	Ca_kabuli_chr04	17649326	AA	GG	1940283091
SNP_P1_60718_17649353	NC_021163.1	Ca_kabuli_chr04	17649353	GG	AA	1940283092
SNP_P1_60719_17649387	NC_021163.1	Ca_kabuli_chr04	17649387	TT	CC	1940283093
SNP_P1_60720_17649537	NC_021163.1	Ca_kabuli_chr04	17649537	CC	AA	1940283094
SNP_P1_60721_17649550	NC_021163.1	Ca_kabuli_chr04	17649550	TT	AA	1940283095
SNP_P1_60722_17649577	NC_021163.1	Ca_kabuli_chr04	17649577	AA	TT	1940283096
SNP_P1_60723_17649888	NC_021163.1	Ca_kabuli_chr04	17649888	TT	CC	1940283097

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60725_17651190	NC_021163.1	Ca_kabuli_chr04	17651190	CC	TT	1940283099
SNP_P1_60726_17652134	NC_021163.1	Ca_kabuli_chr04	17652134	AA	GG	1940283100
SNP_P1_60727_17652140	NC_021163.1	Ca_kabuli_chr04	17652140	TT	CC	1940283101
SNP_P1_60728_17652150	NC_021163.1	Ca_kabuli_chr04	17652150	TT	AA	1940283102
SNP_P1_60729_17652163	NC_021163.1	Ca_kabuli_chr04	17652163	CC	GG	1940283103
SNP_P1_60730_17652167	NC_021163.1	Ca_kabuli_chr04	17652167	AA	CC	1940283104
SNP_P1_60732_17653724	NC_021163.1	Ca_kabuli_chr04	17653724	TT	CC	1940283105
SNP_P1_60734_17654613	NC_021163.1	Ca_kabuli_chr04	17654613	GG	TT	1940283106
SNP_P1_60736_17654816	NC_021163.1	Ca_kabuli_chr04	17654816	AA	GG	1940283107
SNP_P1_60737_17654915	NC_021163.1	Ca_kabuli_chr04	17654915	GG	AA	1940283108
SNP_P1_60738_17654919	NC_021163.1	Ca_kabuli_chr04	17654919	AA	TT	1940283109
SNP_P1_60739_17654954	NC_021163.1	Ca_kabuli_chr04	17654954	TT	CC	1940283110
SNP_P1_60740_17654957	NC_021163.1	Ca_kabuli_chr04	17654957	AA	GG	1940283111
SNP_P1_60742_17656723	NC_021163.1	Ca_kabuli_chr04	17656723	GG	TT	1940283112
SNP_P1_60743_17656809	NC_021163.1	Ca_kabuli_chr04	17656809	GG	AA	1940283113
SNP_P1_60744_17656876	NC_021163.1	Ca_kabuli_chr04	17656876	TT	GG	1940283114
SNP_P1_60745_17656877	NC_021163.1	Ca_kabuli_chr04	17656877	GG	AA	1940283115
SNP_P1_60746_17656945	NC_021163.1	Ca_kabuli_chr04	17656945	GG	AA	1940283116
SNP_P1_60748_17657008	NC_021163.1	Ca_kabuli_chr04	17657008	AA	CC	1940283117
SNP_P1_60749_17657080	NC_021163.1	Ca_kabuli_chr04	17657080	GG	AA	1940283118
SNP_P1_60750_17657232	NC_021163.1	Ca_kabuli_chr04	17657232	TT	GG	1940283119
SNP_P1_60752_17658205	NC_021163.1	Ca_kabuli_chr04	17658205	GG	CC	1940283120
SNP_P1_60754_17661556	NC_021163.1	Ca_kabuli_chr04	17661556	TT	CC	1940283121
SNP_P1_60755_17661583	NC_021163.1	Ca_kabuli_chr04	17661583	AA	TT	1940283122
SNP_P1_60757_17662437	NC_021163.1	Ca_kabuli_chr04	17662437	GG	AA	1940283123
SNP_P1_60759_17663577	NC_021163.1	Ca_kabuli_chr04	17663577	TT	CC	1940283124
SNP_P1_60761_17665399	NC_021163.1	Ca_kabuli_chr04	17665399	GG	CC	1940283125
SNP_P1_60762_17665412	NC_021163.1	Ca_kabuli_chr04	17665412	CC	AA	1940283126
SNP_P1_60763_17665431	NC_021163.1	Ca_kabuli_chr04	17665431	CC	TT	1940283127
SNP_P1_60765_17665757	NC_021163.1	Ca_kabuli_chr04	17665757	CC	TT	1940283128
SNP_P1_60766_17666191	NC_021163.1	Ca_kabuli_chr04	17666191	AA	GG	1940283129
SNP_P1_60768_17666312	NC_021163.1	Ca_kabuli_chr04	17666312	TT	CC	1940283130
SNP_P1_60769_17666384	NC_021163.1	Ca_kabuli_chr04	17666384	TT	CC	1940283131
SNP_P1_60772_17666954	NC_021163.1	Ca_kabuli_chr04	17666954	GG	TT	1940283132
SNP_P1_60773_17666963	NC_021163.1	Ca_kabuli_chr04	17666963	AA	TT	1940283133
SNP_P1_60774_17667100	NC_021163.1	Ca_kabuli_chr04	17667100	AA	GG	1940283134
SNP_P1_60775_17667811	NC_021163.1	Ca_kabuli_chr04	17667811	AA	GG	1940283135
SNP_P1_60776_17667832	NC_021163.1	Ca_kabuli_chr04	17667832	GG	AA	1940283136
SNP_P1_60778_17668000	NC_021163.1	Ca_kabuli_chr04	17668000	TT	GG	1940283137
SNP_P1_60779_17670524	NC_021163.1	Ca_kabuli_chr04	17670524	GG	AA	1940283138
SNP_P1_60781_17670973	NC_021163.1	Ca_kabuli_chr04	17670973	TT	CC	1940283139

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_60782_17671028	NC_021163.1	Ca_kabuli_chr04	17671028	CC	GG	1940283140
SNP_P1_60783_17671327	NC_021163.1	Ca_kabuli_chr04	17671327	CC	TT	1940283141
SNP_P1_60784_17671328	NC_021163.1	Ca_kabuli_chr04	17671328	AA	GG	1940283142
SNP_P1_60785_17671432	NC_021163.1	Ca_kabuli_chr04	17671432	GG	CC	1940283143
SNP_P1_60786_17671811	NC_021163.1	Ca_kabuli_chr04	17671811	CC	TT	1940283144
SNP_P1_60787_17671819	NC_021163.1	Ca_kabuli_chr04	17671819	TT	CC	1940283145
SNP_P1_60788_17672531	NC_021163.1	Ca_kabuli_chr04	17672531	GG	CC	1940283146
SNP_P1_60789_17672787	NC_021163.1	Ca_kabuli_chr04	17672787	AA	CC	1940283147
SNP_P1_60790_17672829	NC_021163.1	Ca_kabuli_chr04	17672829	GG	TT	1940283148
SNP_P1_60791_17673769	NC_021163.1	Ca_kabuli_chr04	17673769	TT	CC	1940283149
SNP_P1_60793_17673827	NC_021163.1	Ca_kabuli_chr04	17673827	CC	AA	1940283150
SNP_P1_60794_17673940	NC_021163.1	Ca_kabuli_chr04	17673940	AA	TT	1940283151
SNP_P1_60795_17674638	NC_021163.1	Ca_kabuli_chr04	17674638	GG	AA	1940283152
SNP_P1_60797_17675684	NC_021163.1	Ca_kabuli_chr04	17675684	GG	AA	1940283153
SNP_P1_60798_17675863	NC_021163.1	Ca_kabuli_chr04	17675863	GG	AA	1940283154
SNP_P1_60799_17675952	NC_021163.1	Ca_kabuli_chr04	17675952	AA	GG	1940283155
SNP_P1_60800_17677474	NC_021163.1	Ca_kabuli_chr04	17677474	GG	AA	1940283156
SNP_P1_60802_17678321	NC_021163.1	Ca_kabuli_chr04	17678321	AA	GG	1940283157
SNP_P1_60804_17680493	NC_021163.1	Ca_kabuli_chr04	17680493	TT	AA	1940283158
SNP_P1_60805_17680577	NC_021163.1	Ca_kabuli_chr04	17680577	CC	TT	1940283159
SNP_P1_60806_17680599	NC_021163.1	Ca_kabuli_chr04	17680599	AA	GG	1940283160
SNP_P1_60807_17680754	NC_021163.1	Ca_kabuli_chr04	17680754	CC	GG	1940283161
SNP_P1_60808_17681651	NC_021163.1	Ca_kabuli_chr04	17681651	GG	AA	1940283162
SNP_P1_60809_17682245	NC_021163.1	Ca_kabuli_chr04	17682245	AA	GG	1940283163
SNP_P1_60810_17683170	NC_021163.1	Ca_kabuli_chr04	17683170	CC	TT	1940283164
SNP_P1_60811_17684364	NC_021163.1	Ca_kabuli_chr04	17684364	AA	CC	1940283165
SNP_P1_60812_17684767	NC_021163.1	Ca_kabuli_chr04	17684767	GG	AA	1940283166
SNP_P1_60813_17686486	NC_021163.1	Ca_kabuli_chr04	17686486	TT	GG	1940283167
SNP_P1_60814_17686517	NC_021163.1	Ca_kabuli_chr04	17686517	AA	CC	1940283168
SNP_P1_60815_17687254	NC_021163.1	Ca_kabuli_chr04	17687254	TT	CC	1940283169
SNP_P1_60816_17687267	NC_021163.1	Ca_kabuli_chr04	17687267	GG	TT	1940283170
SNP_P1_60817_17687279	NC_021163.1	Ca_kabuli_chr04	17687279	CC	AA	1940283171
SNP_P1_60818_17687331	NC_021163.1	Ca_kabuli_chr04	17687331	AA	GG	1940283172
SNP_P1_60819_17687338	NC_021163.1	Ca_kabuli_chr04	17687338	TT	CC	1940283173
SNP_P1_60820_17690387	NC_021163.1	Ca_kabuli_chr04	17690387	GG	TT	1940283174
SNP_P1_60821_17690428	NC_021163.1	Ca_kabuli_chr04	17690428	AA	CC	1940283175
SNP_P1_60823_17691490	NC_021163.1	Ca_kabuli_chr04	17691490	CC	TT	1940283176
SNP_P1_60824_17693454	NC_021163.1	Ca_kabuli_chr04	17693454	GG	AA	1940283177
SNP_P1_60826_17698224	NC_021163.1	Ca_kabuli_chr04	17698224	AA	GG	1940283178
SNP_P1_60827_17698228	NC_021163.1	Ca_kabuli_chr04	17698228	GG	CC	1940283179
SNP_P1_60828_17699551	NC_021163.1	Ca_kabuli_chr04	17699551	TT	CC	1940283180
SNP_P1_60829_17699746	NC_021163.1	Ca_kabuli_chr04	17699746	TT	AA	1940283181

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_60830_17703495	NC_021163.1	Ca_kabuli_chr04	17703495	AA	GG	1940283182
SNP_P1_60831_17703569	NC_021163.1	Ca_kabuli_chr04	17703569	GG	AA	1940283183
SNP_P1_60832_17703801	NC_021163.1	Ca_kabuli_chr04	17703801	TT	CC	1940283184
SNP_P1_60833_17703995	NC_021163.1	Ca_kabuli_chr04	17703995	GG	AA	1940283185
SNP_P1_60834_17705378	NC_021163.1	Ca_kabuli_chr04	17705378	TT	CC	1940283186
SNP_P1_60835_17705395	NC_021163.1	Ca_kabuli_chr04	17705395	TT	CC	1940283187
SNP_P1_60837_17707029	NC_021163.1	Ca_kabuli_chr04	17707029	AA	GG	1940283188
SNP_P1_60838_17707038	NC_021163.1	Ca_kabuli_chr04	17707038	GG	AA	1940283189
SNP_P1_60840_17712884	NC_021163.1	Ca_kabuli_chr04	17712884	GG	AA	1940283190
SNP_P1_60841_17712923	NC_021163.1	Ca_kabuli_chr04	17712923	GG	AA	1940283191
SNP_P1_60842_17713025	NC_021163.1	Ca_kabuli_chr04	17713025	CC	AA	1940283192
SNP_P1_60843_17713086	NC_021163.1	Ca_kabuli_chr04	17713086	TT	AA	1940283193
SNP_P1_60844_17713087	NC_021163.1	Ca_kabuli_chr04	17713087	AA	CC	1940283194
SNP_P1_60846_17713434	NC_021163.1	Ca_kabuli_chr04	17713434	TT	CC	1940283195
SNP_P1_60850_17715365	NC_021163.1	Ca_kabuli_chr04	17715365	TT	CC	1940283196
SNP_P1_60851_17715526	NC_021163.1	Ca_kabuli_chr04	17715526	CC	TT	1940283197
SNP_P1_60852_17715557	NC_021163.1	Ca_kabuli_chr04	17715557	CC	TT	1940283198
SNP_P1_60854_17715691	NC_021163.1	Ca_kabuli_chr04	17715691	AA	TT	1940283199
SNP_P1_60855_17715700	NC_021163.1	Ca_kabuli_chr04	17715700	TT	CC	1940283200
SNP_P1_60856_17715709	NC_021163.1	Ca_kabuli_chr04	17715709	AA	TT	1940283201
SNP_P1_60857_17715848	NC_021163.1	Ca_kabuli_chr04	17715848	AA	GG	1940283202
SNP_P1_60858_17715939	NC_021163.1	Ca_kabuli_chr04	17715939	AA	GG	1940283203
SNP_P1_60860_17717058	NC_021163.1	Ca_kabuli_chr04	17717058	AA	CC	1940283204
SNP_P1_60861_17717062	NC_021163.1	Ca_kabuli_chr04	17717062	TT	CC	1940283205
SNP_P1_60862_17717170	NC_021163.1	Ca_kabuli_chr04	17717170	TT	CC	1940283206
SNP_P1_60863_17717240	NC_021163.1	Ca_kabuli_chr04	17717240	TT	CC	1940283207
SNP_P1_60865_17717316	NC_021163.1	Ca_kabuli_chr04	17717316	TT	GG	1940283208
SNP_P1_60866_17717317	NC_021163.1	Ca_kabuli_chr04	17717317	GG	TT	1940283209
SNP_P1_60867_17717486	NC_021163.1	Ca_kabuli_chr04	17717486	CC	AA	1940283210
SNP_P1_60868_17717682	NC_021163.1	Ca_kabuli_chr04	17717682	AA	GG	1940283211
SNP_P1_60869_17717693	NC_021163.1	Ca_kabuli_chr04	17717693	GG	TT	1940283212
SNP_P1_60870_17717720	NC_021163.1	Ca_kabuli_chr04	17717720	CC	GG	1940283213
SNP_P1_60871_17718687	NC_021163.1	Ca_kabuli_chr04	17718687	AA	GG	1940283214
SNP_P1_60872_17720327	NC_021163.1	Ca_kabuli_chr04	17720327	CC	AA	1940283215
SNP_P1_60873_17720348	NC_021163.1	Ca_kabuli_chr04	17720348	AA	GG	1940283216
SNP_P1_60875_17720401	NC_021163.1	Ca_kabuli_chr04	17720401	TT	CC	1940283217
SNP_P1_60876_17720730	NC_021163.1	Ca_kabuli_chr04	17720730	AA	CC	1940283218
SNP_P1_60877_17721449	NC_021163.1	Ca_kabuli_chr04	17721449	GG	AA	1940283219
SNP_P1_60878_17721481	NC_021163.1	Ca_kabuli_chr04	17721481	TT	CC	1940283220
SNP_P1_60880_17722918	NC_021163.1	Ca_kabuli_chr04	17722918	AA	GG	1940283221
SNP_P1_60881_17723467	NC_021163.1	Ca_kabuli_chr04	17723467	AA	GG	1940283222
SNP_P1_60882_17723717	NC_021163.1	Ca_kabuli_chr04	17723717	CC	TT	1940283223

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60884_17724562	NC_021163.1	Ca_kabuli_chr04	17724562	GG	TT	1940283225
SNP_P1_60885_17724583	NC_021163.1	Ca_kabuli_chr04	17724583	GG	TT	1940283226
SNP_P1_60886_17725189	NC_021163.1	Ca_kabuli_chr04	17725189	AA	GG	1940283227
SNP_P1_60887_17725692	NC_021163.1	Ca_kabuli_chr04	17725692	TT	CC	1940283228
SNP_P1_60888_17725765	NC_021163.1	Ca_kabuli_chr04	17725765	TT	AA	1940283229
SNP_P1_60889_17726295	NC_021163.1	Ca_kabuli_chr04	17726295	TT	CC	1940283230
SNP_P1_60890_17727319	NC_021163.1	Ca_kabuli_chr04	17727319	TT	AA	1940283231
SNP_P1_60891_17728820	NC_021163.1	Ca_kabuli_chr04	17728820	AA	GG	1940283232
SNP_P1_60892_17728826	NC_021163.1	Ca_kabuli_chr04	17728826	AA	TT	1940283233
SNP_P1_60893_17728845	NC_021163.1	Ca_kabuli_chr04	17728845	CC	AA	1940283234
SNP_P1_60894_17728962	NC_021163.1	Ca_kabuli_chr04	17728962	GG	CC	1940283235
SNP_P1_60895_17732902	NC_021163.1	Ca_kabuli_chr04	17732902	AA	TT	1940283236
SNP_P1_60896_17732960	NC_021163.1	Ca_kabuli_chr04	17732960	TT	AA	1940283237
SNP_P1_60897_17732973	NC_021163.1	Ca_kabuli_chr04	17732973	AA	GG	1940283238
SNP_P1_60898_17733022	NC_021163.1	Ca_kabuli_chr04	17733022	TT	CC	1940283239
SNP_P1_60899_17733028	NC_021163.1	Ca_kabuli_chr04	17733028	AA	GG	1940283240
SNP_P1_60900_17733099	NC_021163.1	Ca_kabuli_chr04	17733099	AA	TT	1940283241
SNP_P1_60902_17733857	NC_021163.1	Ca_kabuli_chr04	17733857	AA	GG	1940283242
SNP_P1_60903_17734713	NC_021163.1	Ca_kabuli_chr04	17734713	CC	TT	1940283243
SNP_P1_60904_17734892	NC_021163.1	Ca_kabuli_chr04	17734892	AA	CC	1940283244
SNP_P1_60905_17734994	NC_021163.1	Ca_kabuli_chr04	17734994	TT	CC	1940283245
SNP_P1_60907_17735018	NC_021163.1	Ca_kabuli_chr04	17735018	AA	GG	1940283246
SNP_P1_60908_17735024	NC_021163.1	Ca_kabuli_chr04	17735024	CC	TT	1940283247
SNP_P1_60909_17735206	NC_021163.1	Ca_kabuli_chr04	17735206	CC	TT	1940283248
SNP_P1_60911_17735538	NC_021163.1	Ca_kabuli_chr04	17735538	CC	TT	1940283249
SNP_P1_60912_17735569	NC_021163.1	Ca_kabuli_chr04	17735569	AA	TT	1940283250
SNP_P1_60914_17735617	NC_021163.1	Ca_kabuli_chr04	17735617	TT	AA	1940283251
SNP_P1_60915_17735618	NC_021163.1	Ca_kabuli_chr04	17735618	TT	AA	1940283252
SNP_P1_60916_17735627	NC_021163.1	Ca_kabuli_chr04	17735627	TT	GG	1940283253
SNP_P1_60917_17735639	NC_021163.1	Ca_kabuli_chr04	17735639	GG	TT	1940283254
SNP_P1_60918_17735692	NC_021163.1	Ca_kabuli_chr04	17735692	CC	AA	1940283255
SNP_P1_60919_17735737	NC_021163.1	Ca_kabuli_chr04	17735737	TT	AA	1940283256
SNP_P1_60921_17735828	NC_021163.1	Ca_kabuli_chr04	17735828	CC	AA	1940283257
SNP_P1_60922_17738628	NC_021163.1	Ca_kabuli_chr04	17738628	CC	AA	1940283258
SNP_P1_60923_17738664	NC_021163.1	Ca_kabuli_chr04	17738664	GG	TT	1940283259
SNP_P1_60924_17738697	NC_021163.1	Ca_kabuli_chr04	17738697	AA	GG	1940283260
SNP_P1_60926_17738788	NC_021163.1	Ca_kabuli_chr04	17738788	AA	GG	1940283261
SNP_P1_60927_17739114	NC_021163.1	Ca_kabuli_chr04	17739114	GG	AA	1940283262
SNP_P1_60928_17739144	NC_021163.1	Ca_kabuli_chr04	17739144	TT	AA	1940283263
SNP_P1_60929_17739172	NC_021163.1	Ca_kabuli_chr04	17739172	CC	GG	1940283264
SNP_P1_60930_17739265	NC_021163.1	Ca_kabuli_chr04	17739265	TT	CC	1940283265

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60932_17739732	NC_021163.1	Ca_kabuli_chr04	17739732	TT	GG	1940283267
SNP_P1_60933_17739772	NC_021163.1	Ca_kabuli_chr04	17739772	TT	GG	1940283268
SNP_P1_60934_17739984	NC_021163.1	Ca_kabuli_chr04	17739984	GG	AA	1940283269
SNP_P1_60935_17740495	NC_021163.1	Ca_kabuli_chr04	17740495	GG	AA	1940283270
SNP_P1_60936_17740571	NC_021163.1	Ca_kabuli_chr04	17740571	AA	GG	1940283271
SNP_P1_60938_17740637	NC_021163.1	Ca_kabuli_chr04	17740637	AA	CC	1940283272
SNP_P1_60939_17740658	NC_021163.1	Ca_kabuli_chr04	17740658	GG	TT	1940283273
SNP_P1_60940_17740823	NC_021163.1	Ca_kabuli_chr04	17740823	TT	GG	1940283274
SNP_P1_60941_17740849	NC_021163.1	Ca_kabuli_chr04	17740849	GG	AA	1940283275
SNP_P1_60942_17740872	NC_021163.1	Ca_kabuli_chr04	17740872	AA	GG	1940283276
SNP_P1_60943_17740931	NC_021163.1	Ca_kabuli_chr04	17740931	GG	AA	1940283277
SNP_P1_60944_17740947	NC_021163.1	Ca_kabuli_chr04	17740947	AA	TT	1940283278
SNP_P1_60945_17740966	NC_021163.1	Ca_kabuli_chr04	17740966	GG	AA	1940283279
SNP_P1_60946_17740983	NC_021163.1	Ca_kabuli_chr04	17740983	CC	TT	1940283280
SNP_P1_60947_17741010	NC_021163.1	Ca_kabuli_chr04	17741010	CC	TT	1940283281
SNP_P1_60948_17741089	NC_021163.1	Ca_kabuli_chr04	17741089	TT	AA	1940283282
SNP_P1_60949_17741103	NC_021163.1	Ca_kabuli_chr04	17741103	TT	CC	1940283283
SNP_P1_60950_17741111	NC_021163.1	Ca_kabuli_chr04	17741111	TT	GG	1940283284
SNP_P1_60951_17741162	NC_021163.1	Ca_kabuli_chr04	17741162	CC	AA	1940283285
SNP_P1_60952_17741214	NC_021163.1	Ca_kabuli_chr04	17741214	CC	TT	1940283286
SNP_P1_60953_17741220	NC_021163.1	Ca_kabuli_chr04	17741220	AA	GG	1940283287
SNP_P1_60954_17741275	NC_021163.1	Ca_kabuli_chr04	17741275	TT	CC	1940283288
SNP_P1_60955_17741299	NC_021163.1	Ca_kabuli_chr04	17741299	GG	AA	1940283289
SNP_P1_60956_17741455	NC_021163.1	Ca_kabuli_chr04	17741455	CC	GG	1940283290
SNP_P1_60957_17741496	NC_021163.1	Ca_kabuli_chr04	17741496	CC	TT	1940283291
SNP_P1_60958_17741759	NC_021163.1	Ca_kabuli_chr04	17741759	TT	CC	1940283292
SNP_P1_60960_17742322	NC_021163.1	Ca_kabuli_chr04	17742322	TT	GG	1940283293
SNP_P1_60961_17742328	NC_021163.1	Ca_kabuli_chr04	17742328	AA	GG	1940283294
SNP_P1_60963_17743049	NC_021163.1	Ca_kabuli_chr04	17743049	CC	TT	1940283295
SNP_P1_60965_17743330	NC_021163.1	Ca_kabuli_chr04	17743330	TT	AA	1940283296
SNP_P1_60966_17743350	NC_021163.1	Ca_kabuli_chr04	17743350	AA	TT	1940283297
SNP_P1_60967_17743682	NC_021163.1	Ca_kabuli_chr04	17743682	AA	CC	1940283298
SNP_P1_60968_17743909	NC_021163.1	Ca_kabuli_chr04	17743909	TT	GG	1940283299
SNP_P1_60969_17743911	NC_021163.1	Ca_kabuli_chr04	17743911	TT	GG	1940283300
SNP_P1_60970_17743919	NC_021163.1	Ca_kabuli_chr04	17743919	CC	AA	1940283301
SNP_P1_60971_17743996	NC_021163.1	Ca_kabuli_chr04	17743996	GG	AA	1940283302
SNP_P1_60972_17745988	NC_021163.1	Ca_kabuli_chr04	17745988	TT	AA	1940283303
SNP_P1_60974_17748485	NC_021163.1	Ca_kabuli_chr04	17748485	TT	AA	1940283304
SNP_P1_60975_17749758	NC_021163.1	Ca_kabuli_chr04	17749758	GG	AA	1940283305
SNP_P1_60976_17749856	NC_021163.1	Ca_kabuli_chr04	17749856	TT	CC	1940283306
SNP_P1_60978_17753419	NC_021163.1	Ca_kabuli_chr04	17753419	AA	CC	1940283307

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_60980_17754479	NC_021163.1	Ca_kabuli_chr04	17754479	GG	AA	1940283309
SNP_P1_60981_17755658	NC_021163.1	Ca_kabuli_chr04	17755658	GG	AA	1940283310
SNP_P1_60982_17756550	NC_021163.1	Ca_kabuli_chr04	17756550	AA	GG	1940283311
SNP_P1_60983_17756718	NC_021163.1	Ca_kabuli_chr04	17756718	AA	GG	1940283312
SNP_P1_60984_17757024	NC_021163.1	Ca_kabuli_chr04	17757024	GG	AA	1940283313
SNP_P1_60985_17757033	NC_021163.1	Ca_kabuli_chr04	17757033	AA	CC	1940283314
SNP_P1_60986_17757037	NC_021163.1	Ca_kabuli_chr04	17757037	AA	GG	1940283315
SNP_P1_60987_17757051	NC_021163.1	Ca_kabuli_chr04	17757051	GG	TT	1940283316
SNP_P1_60989_17757935	NC_021163.1	Ca_kabuli_chr04	17757935	AA	CC	1940283317
SNP_P1_60991_17759568	NC_021163.1	Ca_kabuli_chr04	17759568	TT	CC	1940283318
SNP_P1_60992_17759830	NC_021163.1	Ca_kabuli_chr04	17759830	AA	TT	1940283319
SNP_P1_60993_17760284	NC_021163.1	Ca_kabuli_chr04	17760284	GG	CC	1940283320
SNP_P1_60994_17760759	NC_021163.1	Ca_kabuli_chr04	17760759	AA	GG	1940283321
SNP_P1_60995_17761326	NC_021163.1	Ca_kabuli_chr04	17761326	CC	AA	1940283322
SNP_P1_60996_17761649	NC_021163.1	Ca_kabuli_chr04	17761649	GG	TT	1940283323
SNP_P1_60997_17762161	NC_021163.1	Ca_kabuli_chr04	17762161	AA	TT	1940283324
SNP_P1_60998_17762980	NC_021163.1	Ca_kabuli_chr04	17762980	CC	TT	1940283325
SNP_P1_60999_17763666	NC_021163.1	Ca_kabuli_chr04	17763666	AA	GG	1940283326
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SNP_P1_61002_17766110	NC_021163.1	Ca_kabuli_chr04	17766110	AA	TT	1940283328
SNP_P1_61004_17766462	NC_021163.1	Ca_kabuli_chr04	17766462	AA	GG	1940283329
SNP_P1_61005_17766506	NC_021163.1	Ca_kabuli_chr04	17766506	TT	CC	1940283330
SNP_P1_61006_17766525	NC_021163.1	Ca_kabuli_chr04	17766525	CC	TT	1940283331
SNP_P1_61009_17766800	NC_021163.1	Ca_kabuli_chr04	17766800	TT	AA	1940283332
SNP_P1_61010_17766946	NC_021163.1	Ca_kabuli_chr04	17766946	TT	AA	1940283333
SNP_P1_61011_17766970	NC_021163.1	Ca_kabuli_chr04	17766970	CC	TT	1940283334
SNP_P1_61013_17767024	NC_021163.1	Ca_kabuli_chr04	17767024	CC	TT	1940283335
SNP_P1_61014_17768152	NC_021163.1	Ca_kabuli_chr04	17768152	AA	GG	1940283336
SNP_P1_61015_17768159	NC_021163.1	Ca_kabuli_chr04	17768159	GG	AA	1940283337
SNP_P1_61016_17768163	NC_021163.1	Ca_kabuli_chr04	17768163	AA	GG	1940283338
SNP_P1_61017_17768179	NC_021163.1	Ca_kabuli_chr04	17768179	CC	TT	1940283339
SNP_P1_61019_17768804	NC_021163.1	Ca_kabuli_chr04	17768804	CC	AA	1940283340
SNP_P1_61020_17769095	NC_021163.1	Ca_kabuli_chr04	17769095	GG	AA	1940283341
SNP_P1_61021_17769099	NC_021163.1	Ca_kabuli_chr04	17769099	GG	CC	1940283342
SNP_P1_61024_17771658	NC_021163.1	Ca_kabuli_chr04	17771658	GG	AA	1940283343
SNP_P1_61026_17772520	NC_021163.1	Ca_kabuli_chr04	17772520	TT	CC	1940283344
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SNP_P1_61028_17773512	NC_021163.1	Ca_kabuli_chr04	17773512	AA	GG	1940283346
SNP_P1_61030_17773518	NC_021163.1	Ca_kabuli_chr04	17773518	GG	CC	1940283347
SNP_P1_61031_17773526	NC_021163.1	Ca_kabuli_chr04	17773526	CC	TT	1940283348
SNP_P1_61032_17773530	NC_021163.1	Ca_kabuli_chr04	17773530	TT	GG	1940283349

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_61034_17773865	NC_021163.1	Ca_kabuli_chr04	17773865	AA	GG	1940283351
SNP_P1_61035_17773893	NC_021163.1	Ca_kabuli_chr04	17773893	GG	AA	1940283352
SNP_P1_61036_17774458	NC_021163.1	Ca_kabuli_chr04	17774458	CC	AA	1940283353
SNP_P1_61037_17774510	NC_021163.1	Ca_kabuli_chr04	17774510	TT	AA	1940283354
SNP_P1_61039_17774816	NC_021163.1	Ca_kabuli_chr04	17774816	GG	TT	1940283355
SNP_P1_61041_17775186	NC_021163.1	Ca_kabuli_chr04	17775186	CC	TT	1940283356
SNP_P1_61042_17775206	NC_021163.1	Ca_kabuli_chr04	17775206	CC	TT	1940283357
SNP_P1_61043_17775209	NC_021163.1	Ca_kabuli_chr04	17775209	GG	TT	1940283358
SNP_P1_61044_17775470	NC_021163.1	Ca_kabuli_chr04	17775470	GG	AA	1940283359
SNP_P1_61045_17775478	NC_021163.1	Ca_kabuli_chr04	17775478	TT	CC	1940283360
SNP_P1_61046_17775530	NC_021163.1	Ca_kabuli_chr04	17775530	AA	GG	1940283361
SNP_P1_61047_17775593	NC_021163.1	Ca_kabuli_chr04	17775593	AA	CC	1940283362
SNP_P1_61048_17775669	NC_021163.1	Ca_kabuli_chr04	17775669	CC	TT	1940283363
SNP_P1_61049_17775702	NC_021163.1	Ca_kabuli_chr04	17775702	AA	GG	1940283364
SNP_P1_61050_17775765	NC_021163.1	Ca_kabuli_chr04	17775765	CC	GG	1940283365
SNP_P1_61051_17775767	NC_021163.1	Ca_kabuli_chr04	17775767	TT	CC	1940283366
SNP_P1_61052_17775791	NC_021163.1	Ca_kabuli_chr04	17775791	AA	CC	1940283367
SNP_P1_61054_17775920	NC_021163.1	Ca_kabuli_chr04	17775920	CC	TT	1940283368
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SNP_P1_61059_17777056	NC_021163.1	Ca_kabuli_chr04	17777056	CC	TT	1940283373
SNP_P1_61060_17777065	NC_021163.1	Ca_kabuli_chr04	17777065	CC	TT	1940283374
SNP_P1_61062_17777602	NC_021163.1	Ca_kabuli_chr04	17777602	TT	GG	1940283375
SNP_P1_61064_17777689	NC_021163.1	Ca_kabuli_chr04	17777689	AA	GG	1940283376
SNP_P1_61066_17778413	NC_021163.1	Ca_kabuli_chr04	17778413	GG	AA	1940283377
SNP_P1_61067_17778549	NC_021163.1	Ca_kabuli_chr04	17778549	TT	CC	1940283378
SNP_P1_61068_17778566	NC_021163.1	Ca_kabuli_chr04	17778566	TT	CC	1940283379
SNP_P1_61069_17778584	NC_021163.1	Ca_kabuli_chr04	17778584	CC	TT	1940283380
SNP_P1_61070_17778627	NC_021163.1	Ca_kabuli_chr04	17778627	GG	AA	1940283381
SNP_P1_61072_17779388	NC_021163.1	Ca_kabuli_chr04	17779388	TT	CC	1940283382
SNP_P1_61073_17779476	NC_021163.1	Ca_kabuli_chr04	17779476	CC	TT	1940283383
SNP_P1_61074_17779558	NC_021163.1	Ca_kabuli_chr04	17779558	TT	AA	1940283384
SNP_P1_61075_17779660	NC_021163.1	Ca_kabuli_chr04	17779660	AA	TT	1940283385
SNP_P1_61076_17779721	NC_021163.1	Ca_kabuli_chr04	17779721	AA	GG	1940283386
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SNP_P1_61078_17780303	NC_021163.1	Ca_kabuli_chr04	17780303	GG	AA	1940283388
SNP_P1_61079_17780306	NC_021163.1	Ca_kabuli_chr04	17780306	AA	GG	1940283389
SNP_P1_61080_17780569	NC_021163.1	Ca_kabuli_chr04	17780569	TT	CC	1940283390
SNP_P1_61081_17784563	NC_021163.1	Ca_kabuli_chr04	17784563	GG	TT	1940283391

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_61085_17786745	NC_021163.1	Ca_kabuli_chr04	17786745	AA	CC	1940283394
SNP_P1_61086_17786787	NC_021163.1	Ca_kabuli_chr04	17786787	GG	AA	1940283395
SNP_P1_61087_17787029	NC_021163.1	Ca_kabuli_chr04	17787029	AA	CC	1940283396
SNP_P1_61088_17787053	NC_021163.1	Ca_kabuli_chr04	17787053	AA	TT	1940283397
SNP_P1_61089_17787116	NC_021163.1	Ca_kabuli_chr04	17787116	GG	AA	1940283398
SNP_P1_61090_17788376	NC_021163.1	Ca_kabuli_chr04	17788376	AA	GG	1940283399
SNP_P1_61091_17792817	NC_021163.1	Ca_kabuli_chr04	17792817	CC	TT	1940283400
SNP_P1_61092_17793308	NC_021163.1	Ca_kabuli_chr04	17793308	CC	TT	1940283401
SNP_P1_61093_17793362	NC_021163.1	Ca_kabuli_chr04	17793362	TT	AA	1940283402
SNP_P1_61094_17793389	NC_021163.1	Ca_kabuli_chr04	17793389	GG	AA	1940283403
SNP_P1_61095_17793722	NC_021163.1	Ca_kabuli_chr04	17793722	TT	CC	1940283404
SNP_P1_61096_17793769	NC_021163.1	Ca_kabuli_chr04	17793769	GG	TT	1940283405
SNP_P1_61097_17793813	NC_021163.1	Ca_kabuli_chr04	17793813	AA	GG	1940283406
SNP_P1_61098_17815992	NC_021163.1	Ca_kabuli_chr04	17815992	TT	GG	1940283407
SNP_P1_61100_17819888	NC_021163.1	Ca_kabuli_chr04	17819888	TT	AA	1940283408
SNP_P1_61103_17822354	NC_021163.1	Ca_kabuli_chr04	17822354	AA	TT	1940283409
SNP_P1_61104_17822386	NC_021163.1	Ca_kabuli_chr04	17822386	AA	TT	1940283410
SNP_P1_61105_17823853	NC_021163.1	Ca_kabuli_chr04	17823853	AA	TT	1940283411
SNP_P1_61107_17824178	NC_021163.1	Ca_kabuli_chr04	17824178	AA	GG	1940283412
SNP_P1_61109_17825605	NC_021163.1	Ca_kabuli_chr04	17825605	CC	TT	1940283413
SNP_P1_61110_17825607	NC_021163.1	Ca_kabuli_chr04	17825607	CC	TT	1940283414
SNP_P1_61111_17825619	NC_021163.1	Ca_kabuli_chr04	17825619	CC	TT	1940283415
SNP_P1_61112_17825626	NC_021163.1	Ca_kabuli_chr04	17825626	CC	TT	1940283416
SNP_P1_61113_17825650	NC_021163.1	Ca_kabuli_chr04	17825650	CC	TT	1940283417
SNP_P1_61114_17825685	NC_021163.1	Ca_kabuli_chr04	17825685	GG	AA	1940283418
SNP_P1_61115_17825707	NC_021163.1	Ca_kabuli_chr04	17825707	CC	AA	1940283419
SNP_P1_61116_17825748	NC_021163.1	Ca_kabuli_chr04	17825748	GG	AA	1940283420
SNP_P1_61117_17825753	NC_021163.1	Ca_kabuli_chr04	17825753	CC	TT	1940283421
SNP_P1_61118_17825773	NC_021163.1	Ca_kabuli_chr04	17825773	GG	AA	1940283422
SNP_P1_61119_17825804	NC_021163.1	Ca_kabuli_chr04	17825804	CC	TT	1940283423
SNP_P1_61120_17825828	NC_021163.1	Ca_kabuli_chr04	17825828	GG	TT	1940283424
SNP_P1_61121_17825874	NC_021163.1	Ca_kabuli_chr04	17825874	TT	AA	1940283425
SNP_P1_61123_17825956	NC_021163.1	Ca_kabuli_chr04	17825956	TT	CC	1940283426
SNP_P1_61124_17825974	NC_021163.1	Ca_kabuli_chr04	17825974	TT	AA	1940283427
SNP_P1_61126_17825999	NC_021163.1	Ca_kabuli_chr04	17825999	TT	CC	1940283428
SNP_P1_61127_17826082	NC_021163.1	Ca_kabuli_chr04	17826082	TT	CC	1940283429
SNP_P1_61128_17826110	NC_021163.1	Ca_kabuli_chr04	17826110	TT	CC	1940283430
SNP_P1_61129_17826319	NC_021163.1	Ca_kabuli_chr04	17826319	CC	TT	1940283431
SNP_P1_61132_17828957	NC_021163.1	Ca_kabuli_chr04	17828957	AA	GG	1940283432
SNP_P1_61133_17830092	NC_021163.1	Ca_kabuli_chr04	17830092	CC	TT	1940283433

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_61135_17830276	NC_021163.1	Ca_kabuli_chr04	17830276	GG	AA	1940283435
SNP_P1_61136_17830303	NC_021163.1	Ca_kabuli_chr04	17830303	CC	TT	1940283436
SNP_P1_61137_17830359	NC_021163.1	Ca_kabuli_chr04	17830359	TT	AA	1940283437
SNP_P1_61139_17830519	NC_021163.1	Ca_kabuli_chr04	17830519	AA	CC	1940283438
SNP_P1_61140_17830555	NC_021163.1	Ca_kabuli_chr04	17830555	AA	CC	1940283439
SNP_P1_61141_17831051	NC_021163.1	Ca_kabuli_chr04	17831051	TT	CC	1940283440
SNP_P1_61143_17831254	NC_021163.1	Ca_kabuli_chr04	17831254	CC	TT	1940283441
SNP_P1_61144_17831396	NC_021163.1	Ca_kabuli_chr04	17831396	TT	GG	1940283442
SNP_P1_61145_17831432	NC_021163.1	Ca_kabuli_chr04	17831432	GG	AA	1940283443
SNP_P1_61146_17837514	NC_021163.1	Ca_kabuli_chr04	17837514	TT	CC	1940283444
SNP_P1_61147_17837648	NC_021163.1	Ca_kabuli_chr04	17837648	GG	AA	1940283445
SNP_P1_61148_17838321	NC_021163.1	Ca_kabuli_chr04	17838321	CC	TT	1940283446
SNP_P1_61149_17838580	NC_021163.1	Ca_kabuli_chr04	17838580	AA	CC	1940283447
SNP_P1_61150_17838665	NC_021163.1	Ca_kabuli_chr04	17838665	CC	AA	1940283448
SNP_P1_61151_17840660	NC_021163.1	Ca_kabuli_chr04	17840660	CC	AA	1940283449
SNP_P1_61152_17840666	NC_021163.1	Ca_kabuli_chr04	17840666	TT	CC	1940283450
SNP_P1_61153_17840679	NC_021163.1	Ca_kabuli_chr04	17840679	CC	AA	1940283451
SNP_P1_61154_17842790	NC_021163.1	Ca_kabuli_chr04	17842790	TT	AA	1940283452
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SNP_P1_61156_17842815	NC_021163.1	Ca_kabuli_chr04	17842815	CC	AA	1940283454
SNP_P1_61158_17844364	NC_021163.1	Ca_kabuli_chr04	17844364	TT	AA	1940283455
SNP_P1_61159_17844396	NC_021163.1	Ca_kabuli_chr04	17844396	AA	CC	1940283456
SNP_P1_61160_17844468	NC_021163.1	Ca_kabuli_chr04	17844468	AA	TT	1940283457
SNP_P1_61161_17845174	NC_021163.1	Ca_kabuli_chr04	17845174	TT	AA	1940283458
SNP_P1_61162_17845178	NC_021163.1	Ca_kabuli_chr04	17845178	GG	AA	1940283459
SNP_P1_61163_17845182	NC_021163.1	Ca_kabuli_chr04	17845182	CC	AA	1940283460
SNP_P1_61164_17845202	NC_021163.1	Ca_kabuli_chr04	17845202	TT	CC	1940283461
SNP_P1_61166_17845963	NC_021163.1	Ca_kabuli_chr04	17845963	GG	AA	1940283462
SNP_P1_61168_17846311	NC_021163.1	Ca_kabuli_chr04	17846311	AA	GG	1940283463
SNP_P1_61169_17846440	NC_021163.1	Ca_kabuli_chr04	17846440	AA	CC	1940283464
SNP_P1_61170_17846899	NC_021163.1	Ca_kabuli_chr04	17846899	TT	CC	1940283465
SNP_P1_61172_17849389	NC_021163.1	Ca_kabuli_chr04	17849389	TT	CC	1940283466
SNP_P1_61174_17853870	NC_021163.1	Ca_kabuli_chr04	17853870	AA	GG	1940283467
SNP_P1_61175_17853917	NC_021163.1	Ca_kabuli_chr04	17853917	AA	CC	1940283468
SNP_P1_61176_17854262	NC_021163.1	Ca_kabuli_chr04	17854262	TT	CC	1940283469
SNP_P1_61177_17856646	NC_021163.1	Ca_kabuli_chr04	17856646	AA	TT	1940283470
SNP_P1_61178_17856937	NC_021163.1	Ca_kabuli_chr04	17856937	GG	TT	1940283471
SNP_P1_61179_17856976	NC_021163.1	Ca_kabuli_chr04	17856976	TT	CC	1940283472
SNP_P1_61180_17859580	NC_021163.1	Ca_kabuli_chr04	17859580	AA	TT	1940283473
SNP_P1_61181_17859931	NC_021163.1	Ca_kabuli_chr04	17859931	GG	TT	1940283474
SNP_P1_61182_17861432	NC_021163.1	Ca_kabuli_chr04	17861432	AA	TT	1940283475

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_61184_17861709	NC_021163.1	Ca_kabuli_chr04	17861709	TT	AA	1940283477
SNP_P1_61186_17862526	NC_021163.1	Ca_kabuli_chr04	17862526	GG	AA	1940283478
SNP_P1_61187_17862757	NC_021163.1	Ca_kabuli_chr04	17862757	AA	TT	1940283479
SNP_P1_61188_17862762	NC_021163.1	Ca_kabuli_chr04	17862762	AA	CC	1940283480
SNP_P1_61190_17862799	NC_021163.1	Ca_kabuli_chr04	17862799	AA	CC	1940283481
SNP_P1_61191_17862883	NC_021163.1	Ca_kabuli_chr04	17862883	GG	TT	1940283482
SNP_P1_61192_17863115	NC_021163.1	Ca_kabuli_chr04	17863115	AA	GG	1940283483
SNP_P1_61194_17863925	NC_021163.1	Ca_kabuli_chr04	17863925	GG	AA	1940283484
SNP_P1_61195_17864212	NC_021163.1	Ca_kabuli_chr04	17864212	CC	TT	1940283485
SNP_P1_61197_17864515	NC_021163.1	Ca_kabuli_chr04	17864515	GG	AA	1940283486
SNP_P1_61200_17865633	NC_021163.1	Ca_kabuli_chr04	17865633	GG	AA	1940283487
SNP_P1_61201_17865661	NC_021163.1	Ca_kabuli_chr04	17865661	CC	TT	1940283488
SNP_P1_61202_17865669	NC_021163.1	Ca_kabuli_chr04	17865669	TT	CC	1940283489
SNP_P1_61203_17866010	NC_021163.1	Ca_kabuli_chr04	17866010	CC	TT	1940283490
SNP_P1_61204_17866217	NC_021163.1	Ca_kabuli_chr04	17866217	AA	TT	1940283491
SNP_P1_61206_17868618	NC_021163.1	Ca_kabuli_chr04	17868618	CC	TT	1940283492
SNP_P1_61207_17870158	NC_021163.1	Ca_kabuli_chr04	17870158	CC	TT	1940283493
SNP_P1_61208_17870845	NC_021163.1	Ca_kabuli_chr04	17870845	GG	AA	1940283494
SNP_P1_61210_17871763	NC_021163.1	Ca_kabuli_chr04	17871763	CC	TT	1940283495
SNP_P1_61211_17872079	NC_021163.1	Ca_kabuli_chr04	17872079	AA	TT	1940283496
SNP_P1_61213_17879665	NC_021163.1	Ca_kabuli_chr04	17879665	TT	CC	1940283497
SNP_P1_61214_17880491	NC_021163.1	Ca_kabuli_chr04	17880491	GG	AA	1940283498
SNP_P1_61215_17892550	NC_021163.1	Ca_kabuli_chr04	17892550	AA	GG	1940283499
SNP_P1_61216_17897009	NC_021163.1	Ca_kabuli_chr04	17897009	AA	TT	1940283500
SNP_P1_61217_17897032	NC_021163.1	Ca_kabuli_chr04	17897032	CC	GG	1940283501
SNP_P1_61218_17897041	NC_021163.1	Ca_kabuli_chr04	17897041	CC	AA	1940283502
SNP_P1_61219_17921523	NC_021163.1	Ca_kabuli_chr04	17921523	TT	CC	1940283503
SNP_P1_61220_17932701	NC_021163.1	Ca_kabuli_chr04	17932701	CC	TT	1940283504
SNP_P1_61223_17975390	NC_021163.1	Ca_kabuli_chr04	17975390	CC	TT	1940283505
SNP_P1_61225_18027089	NC_021163.1	Ca_kabuli_chr04	18027089	AA	TT	1940283506
SNP_P1_61226_18033669	NC_021163.1	Ca_kabuli_chr04	18033669	TT	CC	1940283507
SNP_P1_61227_18033859	NC_021163.1	Ca_kabuli_chr04	18033859	TT	CC	1940283508
SNP_P1_61229_18038127	NC_021163.1	Ca_kabuli_chr04	18038127	TT	CC	1940283509
SNP_P1_61231_18074986	NC_021163.1	Ca_kabuli_chr04	18074986	TT	GG	1940283510
SNP_P1_61232_18074987	NC_021163.1	Ca_kabuli_chr04	18074987	TT	AA	1940283511
SNP_P1_61233_18090774	NC_021163.1	Ca_kabuli_chr04	18090774	TT	CC	1940283512
SNP_P1_61234_18094505	NC_021163.1	Ca_kabuli_chr04	18094505	GG	AA	1940283513
SNP_P1_61236_18106199	NC_021163.1	Ca_kabuli_chr04	18106199	TT	CC	1940283514
SNP_P1_61237_18106541	NC_021163.1	Ca_kabuli_chr04	18106541	CC	AA	1940283515
SNP_P1_61239_18118144	NC_021163.1	Ca_kabuli_chr04	18118144	CC	TT	1940283516
SNP_P1_61241_18131139	NC_021163.1	Ca_kabuli_chr04	18131139	CC	AA	1940283517

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_61243_18138170	NC_021163.1	Ca_kabuli_chr04	18138170	AA	TT	1940283519
SNP_P1_61244_18138188	NC_021163.1	Ca_kabuli_chr04	18138188	TT	AA	1940283520
SNP_P1_61245_18138248	NC_021163.1	Ca_kabuli_chr04	18138248	CC	AA	1940283521
SNP_P1_61246_18143517	NC_021163.1	Ca_kabuli_chr04	18143517	CC	TT	1940283522
SNP_P1_61247_18147181	NC_021163.1	Ca_kabuli_chr04	18147181	GG	TT	1940283523
SNP_P1_61248_18147190	NC_021163.1	Ca_kabuli_chr04	18147190	TT	GG	1940283524
SNP_P1_61249_18147682	NC_021163.1	Ca_kabuli_chr04	18147682	AA	TT	1940283525
SNP_P1_61250_18173414	NC_021163.1	Ca_kabuli_chr04	18173414	CC	AA	1940283526
SNP_P1_61252_18178963	NC_021163.1	Ca_kabuli_chr04	18178963	AA	GG	1940283527
SNP_P1_61253_18178964	NC_021163.1	Ca_kabuli_chr04	18178964	AA	CC	1940283528
SNP_P1_61254_18183859	NC_021163.1	Ca_kabuli_chr04	18183859	TT	CC	1940283529
SNP_P1_61255_18185820	NC_021163.1	Ca_kabuli_chr04	18185820	AA	TT	1940283530
SNP_P1_61256_18194902	NC_021163.1	Ca_kabuli_chr04	18194902	AA	CC	1940283531
SNP_P1_61257_18194905	NC_021163.1	Ca_kabuli_chr04	18194905	AA	GG	1940283532
SNP_P1_61258_18195862	NC_021163.1	Ca_kabuli_chr04	18195862	CC	TT	1940283533
SNP_P1_61260_18197551	NC_021163.1	Ca_kabuli_chr04	18197551	AA	TT	1940283534
SNP_P1_61261_18201091	NC_021163.1	Ca_kabuli_chr04	18201091	TT	GG	1940283535
SNP_P1_61262_18201095	NC_021163.1	Ca_kabuli_chr04	18201095	TT	CC	1940283536
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SNP_P1_61265_18231297	NC_021163.1	Ca_kabuli_chr04	18231297	TT	CC	1940283539
SNP_P1_61267_18249673	NC_021163.1	Ca_kabuli_chr04	18249673	CC	AA	1940283540
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SNP_P1_61270_18262308	NC_021163.1	Ca_kabuli_chr04	18262308	TT	AA	1940283543
SNP_P1_61271_18262376	NC_021163.1	Ca_kabuli_chr04	18262376	AA	GG	1940283544
SNP_P1_61272_18263858	NC_021163.1	Ca_kabuli_chr04	18263858	TT	CC	1940283545
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SNP_P1_61275_18264121	NC_021163.1	Ca_kabuli_chr04	18264121	AA	GG	1940283548
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SNP_P1_61277_18264406	NC_021163.1	Ca_kabuli_chr04	18264406	TT	CC	1940283550
SNP_P1_61278_18264423	NC_021163.1	Ca_kabuli_chr04	18264423	TT	AA	1940283551
SNP_P1_61279_18264713	NC_021163.1	Ca_kabuli_chr04	18264713	TT	AA	1940283552
SNP_P1_61280_18264802	NC_021163.1	Ca_kabuli_chr04	18264802	TT	CC	1940283553
SNP_P1_61281_18264839	NC_021163.1	Ca_kabuli_chr04	18264839	GG	AA	1940283554
SNP_P1_61282_18269171	NC_021163.1	Ca_kabuli_chr04	18269171	TT	CC	1940283555
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SNP_P1_61285_18269277	NC_021163.1	Ca_kabuli_chr04	18269277	TT	GG	1940283558
SNP_P1_61286_18279796	NC_021163.1	Ca_kabuli_chr04	18279796	AA	TT	1940283559

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_61291_18295684	NC_021163.1	Ca_kabuli_chr04	18295684	AA	TT	1940283563
SNP_P1_61292_18296461	NC_021163.1	Ca_kabuli_chr04	18296461	AA	CC	1940283564
SNP_P1_61293_18296469	NC_021163.1	Ca_kabuli_chr04	18296469	TT	CC	1940283565
SNP_P1_61294_18296982	NC_021163.1	Ca_kabuli_chr04	18296982	GG	TT	1940283566
SNP_P1_61295_18309050	NC_021163.1	Ca_kabuli_chr04	18309050	CC	TT	1940283567
SNP_P1_61296_18310729	NC_021163.1	Ca_kabuli_chr04	18310729	TT	AA	1940283568
SNP_P1_61297_18310732	NC_021163.1	Ca_kabuli_chr04	18310732	TT	CC	1940283569
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SNP_P1_61302_18324105	NC_021163.1	Ca_kabuli_chr04	18324105	TT	GG	1940283574
SNP_P1_61303_18324162	NC_021163.1	Ca_kabuli_chr04	18324162	AA	TT	1940283575
SNP_P1_61304_18335062	NC_021163.1	Ca_kabuli_chr04	18335062	TT	AA	1940283576
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SNP_P1_61309_18369514	NC_021163.1	Ca_kabuli_chr04	18369514	CC	AA	1940283581
SNP_P1_61310_18369522	NC_021163.1	Ca_kabuli_chr04	18369522	AA	TT	1940283582
SNP_P1_61311_18378768	NC_021163.1	Ca_kabuli_chr04	18378768	GG	TT	1940283583
SNP_P1_61312_18378778	NC_021163.1	Ca_kabuli_chr04	18378778	GG	AA	1940283584
SNP_P1_61313_18378791	NC_021163.1	Ca_kabuli_chr04	18378791	GG	AA	1940283585
SNP_P1_61314_18378901	NC_021163.1	Ca_kabuli_chr04	18378901	AA	GG	1940283586
SNP_P1_61315_18379245	NC_021163.1	Ca_kabuli_chr04	18379245	AA	GG	1940283587
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SNP_P1_61317_18388451	NC_021163.1	Ca_kabuli_chr04	18388451	TT	CC	1940283589
SNP_P1_61320_18413458	NC_021163.1	Ca_kabuli_chr04	18413458	TT	GG	1940283590
SNP_P1_61321_18417523	NC_021163.1	Ca_kabuli_chr04	18417523	TT	CC	1940283591
SNP_P1_61322_18430129	NC_021163.1	Ca_kabuli_chr04	18430129	AA	GG	1940283592
SNP_P1_61323_18437655	NC_021163.1	Ca_kabuli_chr04	18437655	TT	CC	1940283593
SNP_P1_61324_18445751	NC_021163.1	Ca_kabuli_chr04	18445751	GG	AA	1940283594
SNP_P1_61325_18445824	NC_021163.1	Ca_kabuli_chr04	18445824	AA	CC	1940283595
SNP_P1_61326_18445828	NC_021163.1	Ca_kabuli_chr04	18445828	CC	TT	1940283596
SNP_P1_61327_18446138	NC_021163.1	Ca_kabuli_chr04	18446138	AA	GG	1940283597
SNP_P1_61329_18446255	NC_021163.1	Ca_kabuli_chr04	18446255	CC	TT	1940283598
SNP_P1_61330_18447837	NC_021163.1	Ca_kabuli_chr04	18447837	AA	GG	1940283599
SNP_P1_61331_18458064	NC_021163.1	Ca_kabuli_chr04	18458064	CC	TT	1940283600
SNP_P1_61332_18508133	NC_021163.1	Ca_kabuli_chr04	18508133	TT	GG	1940283601

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_61333_18515433	NC_021163.1	Ca_kabuli_chr04	18515433	TT	AA	1940283602
SNP_P1_61337_18541236	NC_021163.1	Ca_kabuli_chr04	18541236	TT	GG	1940283603
SNP_P1_61338_18541239	NC_021163.1	Ca_kabuli_chr04	18541239	TT	GG	1940283604
SNP_P1_61339_18561217	NC_021163.1	Ca_kabuli_chr04	18561217	GG	AA	1940283605
SNP_P1_61340_18588241	NC_021163.1	Ca_kabuli_chr04	18588241	GG	AA	1940283606
SNP_P1_61341_18588637	NC_021163.1	Ca_kabuli_chr04	18588637	AA	GG	1940283607
SNP_P1_61342_18588698	NC_021163.1	Ca_kabuli_chr04	18588698	GG	TT	1940283608
SNP_P1_61343_18607509	NC_021163.1	Ca_kabuli_chr04	18607509	CC	TT	1940283609
SNP_P1_61345_18626830	NC_021163.1	Ca_kabuli_chr04	18626830	CC	TT	1940283610
SNP_P1_61347_18653012	NC_021163.1	Ca_kabuli_chr04	18653012	CC	TT	1940283611
SNP_P1_61348_18653054	NC_021163.1	Ca_kabuli_chr04	18653054	AA	GG	1940283612
SNP_P1_61349_18653393	NC_021163.1	Ca_kabuli_chr04	18653393	AA	GG	1940283613
SNP_P1_61350_18653396	NC_021163.1	Ca_kabuli_chr04	18653396	AA	GG	1940283614
SNP_P1_61351_18663722	NC_021163.1	Ca_kabuli_chr04	18663722	GG	TT	1940283615
SNP_P1_61352_18674594	NC_021163.1	Ca_kabuli_chr04	18674594	GG	AA	1940283616
SNP_P1_61354_18676428	NC_021163.1	Ca_kabuli_chr04	18676428	TT	GG	1940283617
SNP_P1_61355_18676647	NC_021163.1	Ca_kabuli_chr04	18676647	AA	TT	1940283618
SNP_P1_61356_18676838	NC_021163.1	Ca_kabuli_chr04	18676838	TT	CC	1940283619
SNP_P1_61357_18677131	NC_021163.1	Ca_kabuli_chr04	18677131	TT	CC	1940283620
SNP_P1_61358_18677169	NC_021163.1	Ca_kabuli_chr04	18677169	TT	CC	1940283621
SNP_P1_61359_18703967	NC_021163.1	Ca_kabuli_chr04	18703967	TT	CC	1940283622
SNP_P1_61360_18704126	NC_021163.1	Ca_kabuli_chr04	18704126	GG	AA	1940283623
SNP_P1_61363_18770103	NC_021163.1	Ca_kabuli_chr04	18770103	TT	GG	1940283624
SNP_P1_61365_18792382	NC_021163.1	Ca_kabuli_chr04	18792382	GG	TT	1940283625
SNP_P1_61366_18801999	NC_021163.1	Ca_kabuli_chr04	18801999	GG	TT	1940283626
SNP_P1_61367_18807358	NC_021163.1	Ca_kabuli_chr04	18807358	CC	AA	1940283627
SNP_P1_61368_18807387	NC_021163.1	Ca_kabuli_chr04	18807387	GG	AA	1940283628
SNP_P1_61369_18810604	NC_021163.1	Ca_kabuli_chr04	18810604	AA	GG	1940283629
SNP_P1_61370_18816200	NC_021163.1	Ca_kabuli_chr04	18816200	GG	AA	1940283630
SNP_P1_61371_18816392	NC_021163.1	Ca_kabuli_chr04	18816392	GG	AA	1940283631
SNP_P1_61372_18821166	NC_021163.1	Ca_kabuli_chr04	18821166	AA	TT	1940283632
SNP_P1_61374_18825370	NC_021163.1	Ca_kabuli_chr04	18825370	AA	TT	1940283633
SNP_P1_61375_18833807	NC_021163.1	Ca_kabuli_chr04	18833807	TT	CC	1940283634
SNP_P1_61376_18834116	NC_021163.1	Ca_kabuli_chr04	18834116	CC	TT	1940283635
SNP_P1_61377_18834163	NC_021163.1	Ca_kabuli_chr04	18834163	TT	AA	1940283636
SNP_P1_61378_18834165	NC_021163.1	Ca_kabuli_chr04	18834165	CC	TT	1940283637
SNP_P1_61379_18836253	NC_021163.1	Ca_kabuli_chr04	18836253	GG	AA	1940283638
SNP_P1_61380_18836299	NC_021163.1	Ca_kabuli_chr04	18836299	GG	CC	1940283639
SNP_P1_61381_18837692	NC_021163.1	Ca_kabuli_chr04	18837692	CC	GG	1940283640
SNP_P1_61382_18837698	NC_021163.1	Ca_kabuli_chr04	18837698	AA	CC	1940283641
SNP_P1_61383_18837714	NC_021163.1	Ca_kabuli_chr04	18837714	CC	GG	1940283642
SNP_P1_61384_18837934	NC_021163.1	Ca_kabuli_chr04	18837934	CC	AA	1940283643

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_61385_18837992	NC_021163.1	Ca_kabuli_chr04	18837992	TT	GG	1940283644
SNP_P1_61386_18838035	NC_021163.1	Ca_kabuli_chr04	18838035	AA	TT	1940283645
SNP_P1_61387_18838062	NC_021163.1	Ca_kabuli_chr04	18838062	AA	TT	1940283646
SNP_P1_61388_18839683	NC_021163.1	Ca_kabuli_chr04	18839683	GG	TT	1940283647
SNP_P1_61389_18839986	NC_021163.1	Ca_kabuli_chr04	18839986	AA	GG	1940283648
SNP_P1_61390_18840848	NC_021163.1	Ca_kabuli_chr04	18840848	TT	CC	1940283649
SNP_P1_61391_18840853	NC_021163.1	Ca_kabuli_chr04	18840853	AA	GG	1940283650
SNP_P1_61392_18841073	NC_021163.1	Ca_kabuli_chr04	18841073	CC	AA	1940283651
SNP_P1_61393_18841074	NC_021163.1	Ca_kabuli_chr04	18841074	TT	CC	1940283652
SNP_P1_61396_18915593	NC_021163.1	Ca_kabuli_chr04	18915593	GG	AA	1940283653
SNP_P1_61400_18931236	NC_021163.1	Ca_kabuli_chr04	18931236	TT	CC	1940283654
SNP_P1_61402_18978477	NC_021163.1	Ca_kabuli_chr04	18978477	CC	TT	1940283655
SNP_P1_61403_18987026	NC_021163.1	Ca_kabuli_chr04	18987026	AA	TT	1940283656
SNP_P1_61404_18988421	NC_021163.1	Ca_kabuli_chr04	18988421	GG	AA	1940283657
SNP_P1_61405_18991864	NC_021163.1	Ca_kabuli_chr04	18991864	TT	AA	1940283658
SNP_P1_61407_19008678	NC_021163.1	Ca_kabuli_chr04	19008678	AA	TT	1940283659
SNP_P1_61408_19008682	NC_021163.1	Ca_kabuli_chr04	19008682	AA	GG	1940283660
SNP_P1_61410_19045979	NC_021163.1	Ca_kabuli_chr04	19045979	CC	TT	1940283661
SNP_P1_61411_19046014	NC_021163.1	Ca_kabuli_chr04	19046014	AA	TT	1940283662
SNP_P1_61413_19046122	NC_021163.1	Ca_kabuli_chr04	19046122	AA	CC	1940283663
SNP_P1_61414_19046132	NC_021163.1	Ca_kabuli_chr04	19046132	AA	CC	1940283664
SNP_P1_61415_19046288	NC_021163.1	Ca_kabuli_chr04	19046288	TT	GG	1940283665
SNP_P1_61416_19047094	NC_021163.1	Ca_kabuli_chr04	19047094	CC	AA	1940283666
SNP_P1_61417_19076169	NC_021163.1	Ca_kabuli_chr04	19076169	GG	AA	1940283667
SNP_P1_61419_19082276	NC_021163.1	Ca_kabuli_chr04	19082276	TT	CC	1940283668
SNP_P1_61420_19082324	NC_021163.1	Ca_kabuli_chr04	19082324	GG	AA	1940283669
SNP_P1_61421_19082565	NC_021163.1	Ca_kabuli_chr04	19082565	AA	GG	1940283670
SNP_P1_61422_19082606	NC_021163.1	Ca_kabuli_chr04	19082606	TT	CC	1940283671
SNP_P1_61423_19082618	NC_021163.1	Ca_kabuli_chr04	19082618	TT	CC	1940283672
SNP_P1_61424_19084580	NC_021163.1	Ca_kabuli_chr04	19084580	AA	GG	1940283673
SNP_P1_61425_19084593	NC_021163.1	Ca_kabuli_chr04	19084593	AA	GG	1940283674
SNP_P1_61426_19084595	NC_021163.1	Ca_kabuli_chr04	19084595	AA	GG	1940283675
SNP_P1_61427_19084661	NC_021163.1	Ca_kabuli_chr04	19084661	GG	AA	1940283676
SNP_P1_61428_19085050	NC_021163.1	Ca_kabuli_chr04	19085050	AA	GG	1940283677
SNP_P1_61430_19099560	NC_021163.1	Ca_kabuli_chr04	19099560	TT	CC	1940283678
SNP_P1_61431_19103892	NC_021163.1	Ca_kabuli_chr04	19103892	GG	CC	1940283679
SNP_P1_61432_19104838	NC_021163.1	Ca_kabuli_chr04	19104838	TT	GG	1940283680
SNP_P1_61433_19104841	NC_021163.1	Ca_kabuli_chr04	19104841	TT	AA	1940283681
SNP_P1_61437_19147101	NC_021163.1	Ca_kabuli_chr04	19147101	TT	GG	1940283682
SNP_P1_61442_19246530	NC_021163.1	Ca_kabuli_chr04	19246530	TT	CC	1940283683
SNP_P1_61443_19265352	NC_021163.1	Ca_kabuli_chr04	19265352	GG	AA	1940283684
SNP_P1_61444_19288941	NC_021163.1	Ca_kabuli_chr04	19288941	GG	AA	1940283685

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_61446_19296688	NC_021163.1	Ca_kabuli_chr04	19296688	AA	TT	1940283686
SNP_P1_61447_19296691	NC_021163.1	Ca_kabuli_chr04	19296691	AA	CC	1940283687
SNP_P1_61448_19296996	NC_021163.1	Ca_kabuli_chr04	19296996	CC	GG	1940283688
SNP_P1_61449_19303443	NC_021163.1	Ca_kabuli_chr04	19303443	TT	CC	1940283689
SNP_P1_61450_19303445	NC_021163.1	Ca_kabuli_chr04	19303445	TT	CC	1940283690
SNP_P1_61452_19335294	NC_021163.1	Ca_kabuli_chr04	19335294	AA	TT	1940283691
SNP_P1_61453_19335317	NC_021163.1	Ca_kabuli_chr04	19335317	CC	GG	1940283692
SNP_P1_61454_19335356	NC_021163.1	Ca_kabuli_chr04	19335356	AA	CC	1940283693
SNP_P1_61455_19341573	NC_021163.1	Ca_kabuli_chr04	19341573	TT	AA	1940283694
SNP_P1_61457_19342582	NC_021163.1	Ca_kabuli_chr04	19342582	CC	TT	1940283695
SNP_P1_61458_19346179	NC_021163.1	Ca_kabuli_chr04	19346179	CC	GG	1940283696
SNP_P1_61459_19346182	NC_021163.1	Ca_kabuli_chr04	19346182	CC	TT	1940283697
SNP_P1_61460_19346211	NC_021163.1	Ca_kabuli_chr04	19346211	AA	GG	1940283698
SNP_P1_61461_19346232	NC_021163.1	Ca_kabuli_chr04	19346232	CC	GG	1940283699
SNP_P1_61462_19346605	NC_021163.1	Ca_kabuli_chr04	19346605	TT	CC	1940283700
SNP_P1_61463_19346629	NC_021163.1	Ca_kabuli_chr04	19346629	GG	CC	1940283701
SNP_P1_61464_19350281	NC_021163.1	Ca_kabuli_chr04	19350281	GG	TT	1940283702
SNP_P1_61465_19350301	NC_021163.1	Ca_kabuli_chr04	19350301	GG	TT	1940283703
SNP_P1_61466_19358318	NC_021163.1	Ca_kabuli_chr04	19358318	CC	TT	1940283704
SNP_P1_61468_19371414	NC_021163.1	Ca_kabuli_chr04	19371414	AA	TT	1940283705
SNP_P1_61469_19371418	NC_021163.1	Ca_kabuli_chr04	19371418	CC	GG	1940283706
SNP_P1_61470_19371445	NC_021163.1	Ca_kabuli_chr04	19371445	AA	TT	1940283707
SNP_P1_61471_19371472	NC_021163.1	Ca_kabuli_chr04	19371472	GG	TT	1940283708
SNP_P1_61472_19371475	NC_021163.1	Ca_kabuli_chr04	19371475	TT	GG	1940283709
SNP_P1_61473_19371477	NC_021163.1	Ca_kabuli_chr04	19371477	AA	CC	1940283710
SNP_P1_61474_19396848	NC_021163.1	Ca_kabuli_chr04	19396848	AA	GG	1940283711
SNP_P1_61475_19396852	NC_021163.1	Ca_kabuli_chr04	19396852	CC	TT	1940283712
SNP_P1_61476_19397407	NC_021163.1	Ca_kabuli_chr04	19397407	CC	TT	1940283713
SNP_P1_61478_19400448	NC_021163.1	Ca_kabuli_chr04	19400448	TT	CC	1940283714
SNP_P1_61479_19400519	NC_021163.1	Ca_kabuli_chr04	19400519	CC	TT	1940283715
SNP_P1_61480_19400534	NC_021163.1	Ca_kabuli_chr04	19400534	TT	CC	1940283716
SNP_P1_61481_19400565	NC_021163.1	Ca_kabuli_chr04	19400565	TT	CC	1940283717
SNP_P1_61482_19402520	NC_021163.1	Ca_kabuli_chr04	19402520	AA	GG	1940283718
SNP_P1_61484_19423717	NC_021163.1	Ca_kabuli_chr04	19423717	GG	AA	1940283719
SNP_P1_61485_19427637	NC_021163.1	Ca_kabuli_chr04	19427637	TT	CC	1940283720
SNP_P1_61486_19428182	NC_021163.1	Ca_kabuli_chr04	19428182	AA	GG	1940283721
SNP_P1_61487_19429795	NC_021163.1	Ca_kabuli_chr04	19429795	CC	TT	1940283722
SNP_P1_61488_19439509	NC_021163.1	Ca_kabuli_chr04	19439509	CC	TT	1940283723
SNP_P1_61489_19445892	NC_021163.1	Ca_kabuli_chr04	19445892	AA	GG	1940283724
SNP_P1_61491_19446068	NC_021163.1	Ca_kabuli_chr04	19446068	CC	AA	1940283725
SNP_P1_61492_19446108	NC_021163.1	Ca_kabuli_chr04	19446108	AA	GG	1940283726
SNP_P1_61493_19446272	NC_021163.1	Ca_kabuli_chr04	19446272	AA	GG	1940283727

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_61494_19446307	NC_021163.1	Ca_kabuli_chr04	19446307	TT	CC	1940283728
SNP_P1_61495_19446384	NC_021163.1	Ca_kabuli_chr04	19446384	CC	TT	1940283729
SNP_P1_61496_19450794	NC_021163.1	Ca_kabuli_chr04	19450794	GG	AA	1940283730
SNP_P1_61497_19460490	NC_021163.1	Ca_kabuli_chr04	19460490	TT	AA	1940283731
SNP_P1_61498_19460491	NC_021163.1	Ca_kabuli_chr04	19460491	GG	TT	1940283732
SNP_P1_61499_19460492	NC_021163.1	Ca_kabuli_chr04	19460492	TT	AA	1940283733
SNP_P1_61500_19462258	NC_021163.1	Ca_kabuli_chr04	19462258	CC	TT	1940283734
SNP_P1_61501_19463540	NC_021163.1	Ca_kabuli_chr04	19463540	AA	TT	1940283735
SNP_P1_61502_19464330	NC_021163.1	Ca_kabuli_chr04	19464330	AA	GG	1940283736
SNP_P1_61504_19473885	NC_021163.1	Ca_kabuli_chr04	19473885	TT	CC	1940283737
SNP_P1_61505_19475430	NC_021163.1	Ca_kabuli_chr04	19475430	AA	GG	1940283738
SNP_P1_61506_19517367	NC_021163.1	Ca_kabuli_chr04	19517367	TT	GG	1940283739
SNP_P1_61507_19517423	NC_021163.1	Ca_kabuli_chr04	19517423	TT	CC	1940283740
SNP_P1_61508_19517709	NC_021163.1	Ca_kabuli_chr04	19517709	GG	AA	1940283741
SNP_P1_61509_19551426	NC_021163.1	Ca_kabuli_chr04	19551426	GG	CC	1940283742
SNP_P1_61511_19568483	NC_021163.1	Ca_kabuli_chr04	19568483	AA	CC	1940283743
SNP_P1_61512_19571586	NC_021163.1	Ca_kabuli_chr04	19571586	AA	GG	1940283744
SNP_P1_61513_19572092	NC_021163.1	Ca_kabuli_chr04	19572092	GG	TT	1940283745
SNP_P1_61514_19572097	NC_021163.1	Ca_kabuli_chr04	19572097	TT	AA	1940283746
SNP_P1_61515_19577135	NC_021163.1	Ca_kabuli_chr04	19577135	CC	TT	1940283747
SNP_P1_61516_19606931	NC_021163.1	Ca_kabuli_chr04	19606931	GG	TT	1940283748
SNP_P1_61517_19616107	NC_021163.1	Ca_kabuli_chr04	19616107	GG	AA	1940283749
SNP_P1_61518_19621038	NC_021163.1	Ca_kabuli_chr04	19621038	CC	TT	1940283750
SNP_P1_61519_19623514	NC_021163.1	Ca_kabuli_chr04	19623514	TT	CC	1940283751
SNP_P1_61520_19624938	NC_021163.1	Ca_kabuli_chr04	19624938	CC	TT	1940283752
SNP_P1_61522_19643639	NC_021163.1	Ca_kabuli_chr04	19643639	GG	AA	1940283753
SNP_P1_61524_19644129	NC_021163.1	Ca_kabuli_chr04	19644129	AA	GG	1940283754
SNP_P1_61525_19644612	NC_021163.1	Ca_kabuli_chr04	19644612	GG	TT	1940283755
SNP_P1_61526_19644632	NC_021163.1	Ca_kabuli_chr04	19644632	AA	CC	1940283756
SNP_P1_61527_19649039	NC_021163.1	Ca_kabuli_chr04	19649039	GG	AA	1940283757
SNP_P1_61530_19691234	NC_021163.1	Ca_kabuli_chr04	19691234	CC	TT	1940283758
SNP_P1_61531_19691294	NC_021163.1	Ca_kabuli_chr04	19691294	TT	CC	1940283759
SNP_P1_61532_19691758	NC_021163.1	Ca_kabuli_chr04	19691758	AA	GG	1940283760
SNP_P1_61534_19779203	NC_021163.1	Ca_kabuli_chr04	19779203	GG	AA	1940283761
SNP_P1_61536_19783870	NC_021163.1	Ca_kabuli_chr04	19783870	AA	GG	1940283762
SNP_P1_61537_19783925	NC_021163.1	Ca_kabuli_chr04	19783925	AA	GG	1940283763
SNP_P1_61538_19784103	NC_021163.1	Ca_kabuli_chr04	19784103	GG	AA	1940283764
SNP_P1_61539_19784123	NC_021163.1	Ca_kabuli_chr04	19784123	AA	GG	1940283765
SNP_P1_61540_19784143	NC_021163.1	Ca_kabuli_chr04	19784143	GG	TT	1940283766
SNP_P1_61541_19784198	NC_021163.1	Ca_kabuli_chr04	19784198	GG	AA	1940283767
SNP_P1_61542_19784223	NC_021163.1	Ca_kabuli_chr04	19784223	GG	AA	1940283768
SNP_P1_61543_19784420	NC_021163.1	Ca_kabuli_chr04	19784420	AA	GG	1940283769

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_61545_19784434	NC_021163.1	Ca_kabuli_chr04	19784434	CC	TT	1940283771
SNP_P1_61546_19784469	NC_021163.1	Ca_kabuli_chr04	19784469	CC	GG	1940283772
SNP_P1_61547_19784487	NC_021163.1	Ca_kabuli_chr04	19784487	TT	AA	1940283773
SNP_P1_61548_19784550	NC_021163.1	Ca_kabuli_chr04	19784550	TT	CC	1940283774
SNP_P1_61549_19784570	NC_021163.1	Ca_kabuli_chr04	19784570	GG	AA	1940283775
SNP_P1_61550_19787189	NC_021163.1	Ca_kabuli_chr04	19787189	AA	GG	1940283776
SNP_P1_61551_19788736	NC_021163.1	Ca_kabuli_chr04	19788736	TT	AA	1940283777
SNP_P1_61553_19809679	NC_021163.1	Ca_kabuli_chr04	19809679	CC	TT	1940283778
SNP_P1_61554_19821340	NC_021163.1	Ca_kabuli_chr04	19821340	AA	GG	1940283779
SNP_P1_61556_19856643	NC_021163.1	Ca_kabuli_chr04	19856643	AA	GG	1940283780
SNP_P1_61557_19856701	NC_021163.1	Ca_kabuli_chr04	19856701	GG	AA	1940283781
SNP_P1_61558_19878638	NC_021163.1	Ca_kabuli_chr04	19878638	CC	TT	1940283782
SNP_P1_61560_19884273	NC_021163.1	Ca_kabuli_chr04	19884273	TT	GG	1940283783
SNP_P1_61561_19939073	NC_021163.1	Ca_kabuli_chr04	19939073	GG	AA	1940283784
SNP_P1_61562_19945205	NC_021163.1	Ca_kabuli_chr04	19945205	CC	TT	1940283785
SNP_P1_61564_19948090	NC_021163.1	Ca_kabuli_chr04	19948090	CC	TT	1940283786
SNP_P1_61565_19960546	NC_021163.1	Ca_kabuli_chr04	19960546	GG	AA	1940283787
SNP_P1_61566_19968833	NC_021163.1	Ca_kabuli_chr04	19968833	AA	CC	1940283788
SNP_P1_61567_19968887	NC_021163.1	Ca_kabuli_chr04	19968887	AA	CC	1940283789
SNP_P1_61568_19968897	NC_021163.1	Ca_kabuli_chr04	19968897	GG	AA	1940283790
SNP_P1_61569_19968923	NC_021163.1	Ca_kabuli_chr04	19968923	CC	TT	1940283791
SNP_P1_61570_19999895	NC_021163.1	Ca_kabuli_chr04	19999895	AA	GG	1940283792
SNP_P1_61571_20005682	NC_021163.1	Ca_kabuli_chr04	20005682	AA	TT	1940283793
SNP_P1_61572_20016336	NC_021163.1	Ca_kabuli_chr04	20016336	CC	TT	1940283794
SNP_P1_61573_20035345	NC_021163.1	Ca_kabuli_chr04	20035345	CC	TT	1940283795
SNP_P1_61574_20051841	NC_021163.1	Ca_kabuli_chr04	20051841	TT	AA	1940283796
SNP_P1_61576_20055518	NC_021163.1	Ca_kabuli_chr04	20055518	GG	AA	1940283797
SNP_P1_61577_20057724	NC_021163.1	Ca_kabuli_chr04	20057724	AA	TT	1940283798
SNP_P1_61578_20068535	NC_021163.1	Ca_kabuli_chr04	20068535	CC	AA	1940283799
SNP_P1_61579_20068553	NC_021163.1	Ca_kabuli_chr04	20068553	GG	TT	1940283800
SNP_P1_61580_20068554	NC_021163.1	Ca_kabuli_chr04	20068554	AA	TT	1940283801
SNP_P1_61581_20072491	NC_021163.1	Ca_kabuli_chr04	20072491	GG	AA	1940283802
SNP_P1_61582_20087647	NC_021163.1	Ca_kabuli_chr04	20087647	GG	TT	1940283803
SNP_P1_61583_20091187	NC_021163.1	Ca_kabuli_chr04	20091187	TT	GG	1940283804
SNP_P1_61584_20091254	NC_021163.1	Ca_kabuli_chr04	20091254	CC	TT	1940283805
SNP_P1_61585_20097039	NC_021163.1	Ca_kabuli_chr04	20097039	AA	GG	1940283806
SNP_P1_61586_20097052	NC_021163.1	Ca_kabuli_chr04	20097052	GG	AA	1940283807
SNP_P1_61587_20097068	NC_021163.1	Ca_kabuli_chr04	20097068	CC	AA	1940283808
SNP_P1_61589_20097143	NC_021163.1	Ca_kabuli_chr04	20097143	AA	GG	1940283809
SNP_P1_61590_20097455	NC_021163.1	Ca_kabuli_chr04	20097455	AA	GG	1940283810
SNP_P1_61591_20111975	NC_021163.1	Ca_kabuli_chr04	20111975	TT	CC	1940283811

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_61593_20143738	NC_021163.1	Ca_kabuli_chr04	20143738	CC	GG	1940283813
SNP_P1_61594_20145649	NC_021163.1	Ca_kabuli_chr04	20145649	TT	CC	1940283814
SNP_P1_61595_20145654	NC_021163.1	Ca_kabuli_chr04	20145654	AA	GG	1940283815
SNP_P1_61596_20147541	NC_021163.1	Ca_kabuli_chr04	20147541	AA	GG	1940283816
SNP_P1_61597_20150005	NC_021163.1	Ca_kabuli_chr04	20150005	AA	CC	1940283817
SNP_P1_61598_20150018	NC_021163.1	Ca_kabuli_chr04	20150018	CC	AA	1940283818
SNP_P1_61599_20150071	NC_021163.1	Ca_kabuli_chr04	20150071	AA	GG	1940283819
SNP_P1_61601_20156684	NC_021163.1	Ca_kabuli_chr04	20156684	GG	CC	1940283820
SNP_P1_61602_20163463	NC_021163.1	Ca_kabuli_chr04	20163463	AA	GG	1940283821
SNP_P1_61603_20164678	NC_021163.1	Ca_kabuli_chr04	20164678	TT	AA	1940283822
SNP_P1_61604_20164679	NC_021163.1	Ca_kabuli_chr04	20164679	TT	AA	1940283823
SNP_P1_61605_20176731	NC_021163.1	Ca_kabuli_chr04	20176731	GG	AA	1940283824
SNP_P1_61606_20180079	NC_021163.1	Ca_kabuli_chr04	20180079	GG	TT	1940283825
SNP_P1_61607_20187138	NC_021163.1	Ca_kabuli_chr04	20187138	GG	AA	1940283826
SNP_P1_61608_20208155	NC_021163.1	Ca_kabuli_chr04	20208155	GG	AA	1940283827
SNP_P1_61609_20211093	NC_021163.1	Ca_kabuli_chr04	20211093	TT	GG	1940283828
SNP_P1_61610_20211303	NC_021163.1	Ca_kabuli_chr04	20211303	AA	GG	1940283829
SNP_P1_61611_20212198	NC_021163.1	Ca_kabuli_chr04	20212198	GG	AA	1940283830
SNP_P1_61613_20226263	NC_021163.1	Ca_kabuli_chr04	20226263	CC	TT	1940283831
SNP_P1_61614_20233667	NC_021163.1	Ca_kabuli_chr04	20233667	TT	GG	1940283832
SNP_P1_61615_20249562	NC_021163.1	Ca_kabuli_chr04	20249562	GG	TT	1940283833
SNP_P1_61616_20260918	NC_021163.1	Ca_kabuli_chr04	20260918	AA	CC	1940283834
SNP_P1_61617_20264515	NC_021163.1	Ca_kabuli_chr04	20264515	TT	CC	1940283835
SNP_P1_61618_20264664	NC_021163.1	Ca_kabuli_chr04	20264664	TT	GG	1940283836
SNP_P1_61619_20264709	NC_021163.1	Ca_kabuli_chr04	20264709	CC	TT	1940283837
SNP_P1_61620_20266495	NC_021163.1	Ca_kabuli_chr04	20266495	AA	GG	1940283838
SNP_P1_61621_20266508	NC_021163.1	Ca_kabuli_chr04	20266508	AA	CC	1940283839
SNP_P1_61622_20266651	NC_021163.1	Ca_kabuli_chr04	20266651	GG	AA	1940283840
SNP_P1_61623_20266670	NC_021163.1	Ca_kabuli_chr04	20266670	TT	CC	1940283841
SNP_P1_61624_20266684	NC_021163.1	Ca_kabuli_chr04	20266684	CC	AA	1940283842
SNP_P1_61625_20266805	NC_021163.1	Ca_kabuli_chr04	20266805	TT	CC	1940283843
SNP_P1_61626_20266807	NC_021163.1	Ca_kabuli_chr04	20266807	TT	AA	1940283844
SNP_P1_61627_20266814	NC_021163.1	Ca_kabuli_chr04	20266814	CC	TT	1940283845
SNP_P1_61628_20271633	NC_021163.1	Ca_kabuli_chr04	20271633	CC	TT	1940283846
SNP_P1_61629_20272657	NC_021163.1	Ca_kabuli_chr04	20272657	TT	GG	1940283847
SNP_P1_61630_20280946	NC_021163.1	Ca_kabuli_chr04	20280946	AA	CC	1940283848
SNP_P1_61631_20296627	NC_021163.1	Ca_kabuli_chr04	20296627	AA	TT	1940283849
SNP_P1_61632_20311889	NC_021163.1	Ca_kabuli_chr04	20311889	CC	TT	1940283850
SNP_P1_61633_20313213	NC_021163.1	Ca_kabuli_chr04	20313213	CC	TT	1940283851
SNP_P1_61634_20320299	NC_021163.1	Ca_kabuli_chr04	20320299	CC	TT	1940283852
SNP_P1_61635_20328342	NC_021163.1	Ca_kabuli_chr04	20328342	GG	AA	1940283853

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_61637_20342838	NC_021163.1	Ca_kabuli_chr04	20342838	GG	AA	1940283855
SNP_P1_61638_20352506	NC_021163.1	Ca_kabuli_chr04	20352506	GG	CC	1940283856
SNP_P1_61639_20401878	NC_021163.1	Ca_kabuli_chr04	20401878	AA	GG	1940283857
SNP_P1_61640_20403095	NC_021163.1	Ca_kabuli_chr04	20403095	CC	TT	1940283858
SNP_P1_61641_20419846	NC_021163.1	Ca_kabuli_chr04	20419846	TT	AA	1940283859
SNP_P1_61643_20432785	NC_021163.1	Ca_kabuli_chr04	20432785	AA	TT	1940283860
SNP_P1_61644_20447459	NC_021163.1	Ca_kabuli_chr04	20447459	CC	GG	1940283861
SNP_P1_61645_20470898	NC_021163.1	Ca_kabuli_chr04	20470898	AA	GG	1940283862
SNP_P1_61646_20478241	NC_021163.1	Ca_kabuli_chr04	20478241	GG	AA	1940283863
SNP_P1_61648_20532147	NC_021163.1	Ca_kabuli_chr04	20532147	GG	AA	1940283864
SNP_P1_61649_20540100	NC_021163.1	Ca_kabuli_chr04	20540100	CC	TT	1940283865
SNP_P1_61650_20540173	NC_021163.1	Ca_kabuli_chr04	20540173	AA	GG	1940283866
SNP_P1_61651_20540213	NC_021163.1	Ca_kabuli_chr04	20540213	GG	AA	1940283867
SNP_P1_61652_20540304	NC_021163.1	Ca_kabuli_chr04	20540304	GG	TT	1940283868
SNP_P1_61654_20540455	NC_021163.1	Ca_kabuli_chr04	20540455	TT	CC	1940283869
SNP_P1_61655_20544330	NC_021163.1	Ca_kabuli_chr04	20544330	TT	AA	1940283870
SNP_P1_61656_20573203	NC_021163.1	Ca_kabuli_chr04	20573203	CC	TT	1940283871
SNP_P1_61657_20584189	NC_021163.1	Ca_kabuli_chr04	20584189	CC	AA	1940283872
SNP_P1_61658_20594476	NC_021163.1	Ca_kabuli_chr04	20594476	AA	TT	1940283873
SNP_P1_61659_20597574	NC_021163.1	Ca_kabuli_chr04	20597574	GG	AA	1940283874
SNP_P1_61660_20608810	NC_021163.1	Ca_kabuli_chr04	20608810	CC	AA	1940283875
SNP_P1_61661_20615665	NC_021163.1	Ca_kabuli_chr04	20615665	AA	GG	1940283876
SNP_P1_61662_20621552	NC_021163.1	Ca_kabuli_chr04	20621552	CC	TT	1940283877
SNP_P1_61663_20632914	NC_021163.1	Ca_kabuli_chr04	20632914	GG	AA	1940283878
SNP_P1_61664_20637041	NC_021163.1	Ca_kabuli_chr04	20637041	TT	GG	1940283879
SNP_P1_61665_20637233	NC_021163.1	Ca_kabuli_chr04	20637233	GG	AA	1940283880
SNP_P1_61666_20641399	NC_021163.1	Ca_kabuli_chr04	20641399	AA	GG	1940283881
SNP_P1_61667_20650265	NC_021163.1	Ca_kabuli_chr04	20650265	GG	AA	1940283882
SNP_P1_61669_20650666	NC_021163.1	Ca_kabuli_chr04	20650666	TT	AA	1940283883
SNP_P1_61670_20656083	NC_021163.1	Ca_kabuli_chr04	20656083	GG	CC	1940283884
SNP_P1_61672_20681305	NC_021163.1	Ca_kabuli_chr04	20681305	TT	AA	1940283885
SNP_P1_61675_20729418	NC_021163.1	Ca_kabuli_chr04	20729418	CC	TT	1940283886
SNP_P1_61677_20738472	NC_021163.1	Ca_kabuli_chr04	20738472	AA	GG	1940283887
SNP_P1_61678_20738499	NC_021163.1	Ca_kabuli_chr04	20738499	AA	GG	1940283888
SNP_P1_61679_20738517	NC_021163.1	Ca_kabuli_chr04	20738517	TT	GG	1940283889
SNP_P1_61680_20738526	NC_021163.1	Ca_kabuli_chr04	20738526	GG	AA	1940283890
SNP_P1_61682_20753840	NC_021163.1	Ca_kabuli_chr04	20753840	TT	CC	1940283891
SNP_P1_61683_20766145	NC_021163.1	Ca_kabuli_chr04	20766145	GG	AA	1940283892
SNP_P1_61685_20776267	NC_021163.1	Ca_kabuli_chr04	20776267	AA	GG	1940283893
SNP_P1_61686_20798572	NC_021163.1	Ca_kabuli_chr04	20798572	AA	TT	1940283894
SNP_P1_61689_20798885	NC_021163.1	Ca_kabuli_chr04	20798885	AA	TT	1940283895

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_61691_20798927	NC_021163.1	Ca_kabuli_chr04	20798927	CC	TT	1940283897
SNP_P1_61692_20799165	NC_021163.1	Ca_kabuli_chr04	20799165	TT	CC	1940283898
SNP_P1_61693_20804936	NC_021163.1	Ca_kabuli_chr04	20804936	GG	AA	1940283899
SNP_P1_61694_20806528	NC_021163.1	Ca_kabuli_chr04	20806528	TT	AA	1940283900
SNP_P1_61695_20817654	NC_021163.1	Ca_kabuli_chr04	20817654	GG	TT	1940283901
SNP_P1_61696_20817661	NC_021163.1	Ca_kabuli_chr04	20817661	CC	TT	1940283902
SNP_P1_61697_20817675	NC_021163.1	Ca_kabuli_chr04	20817675	CC	GG	1940283903
SNP_P1_61698_20819755	NC_021163.1	Ca_kabuli_chr04	20819755	TT	CC	1940283904
SNP_P1_61699_20819763	NC_021163.1	Ca_kabuli_chr04	20819763	AA	GG	1940283905
SNP_P1_61700_20819768	NC_021163.1	Ca_kabuli_chr04	20819768	TT	AA	1940283906
SNP_P1_61701_20819770	NC_021163.1	Ca_kabuli_chr04	20819770	CC	GG	1940283907
SNP_P1_61702_20819771	NC_021163.1	Ca_kabuli_chr04	20819771	AA	CC	1940283908
SNP_P1_61703_20819803	NC_021163.1	Ca_kabuli_chr04	20819803	AA	CC	1940283909
SNP_P1_61704_20819806	NC_021163.1	Ca_kabuli_chr04	20819806	CC	TT	1940283910
SNP_P1_61705_20820629	NC_021163.1	Ca_kabuli_chr04	20820629	TT	CC	1940283911
SNP_P1_61706_20830163	NC_021163.1	Ca_kabuli_chr04	20830163	TT	AA	1940283912
SNP_P1_61707_20830228	NC_021163.1	Ca_kabuli_chr04	20830228	GG	TT	1940283913
SNP_P1_61708_20830263	NC_021163.1	Ca_kabuli_chr04	20830263	TT	CC	1940283914
SNP_P1_61709_20830458	NC_021163.1	Ca_kabuli_chr04	20830458	TT	CC	1940283915
SNP_P1_61710_20830523	NC_021163.1	Ca_kabuli_chr04	20830523	GG	AA	1940283916
SNP_P1_61711_20830597	NC_021163.1	Ca_kabuli_chr04	20830597	GG	TT	1940283917
SNP_P1_61712_20840985	NC_021163.1	Ca_kabuli_chr04	20840985	TT	AA	1940283918
SNP_P1_61714_20845655	NC_021163.1	Ca_kabuli_chr04	20845655	AA	GG	1940283919
SNP_P1_61715_20855104	NC_021163.1	Ca_kabuli_chr04	20855104	GG	AA	1940283920
SNP_P1_61716_20855122	NC_021163.1	Ca_kabuli_chr04	20855122	CC	TT	1940283921
SNP_P1_61717_20855123	NC_021163.1	Ca_kabuli_chr04	20855123	AA	GG	1940283922
SNP_P1_61720_20914654	NC_021163.1	Ca_kabuli_chr04	20914654	CC	AA	1940283923
SNP_P1_61721_20928529	NC_021163.1	Ca_kabuli_chr04	20928529	GG	TT	1940283924
SNP_P1_61724_20970267	NC_021163.1	Ca_kabuli_chr04	20970267	CC	TT	1940283925
SNP_P1_61725_20981215	NC_021163.1	Ca_kabuli_chr04	20981215	TT	CC	1940283926
SNP_P1_61726_20983908	NC_021163.1	Ca_kabuli_chr04	20983908	AA	TT	1940283927
SNP_P1_61727_20987062	NC_021163.1	Ca_kabuli_chr04	20987062	AA	GG	1940283928
SNP_P1_61728_20992038	NC_021163.1	Ca_kabuli_chr04	20992038	GG	AA	1940283929
SNP_P1_61729_20996751	NC_021163.1	Ca_kabuli_chr04	20996751	CC	GG	1940283930
SNP_P1_61730_20997715	NC_021163.1	Ca_kabuli_chr04	20997715	CC	TT	1940283931
SNP_P1_61731_20997743	NC_021163.1	Ca_kabuli_chr04	20997743	GG	CC	1940283932
SNP_P1_61732_20997946	NC_021163.1	Ca_kabuli_chr04	20997946	CC	AA	1940283933
SNP_P1_61733_20997961	NC_021163.1	Ca_kabuli_chr04	20997961	CC	GG	1940283934
SNP_P1_61734_20997965	NC_021163.1	Ca_kabuli_chr04	20997965	TT	GG	1940283935
SNP_P1_61736_20998741	NC_021163.1	Ca_kabuli_chr04	20998741	CC	TT	1940283936
SNP_P1_61737_20998790	NC_021163.1	Ca_kabuli_chr04	20998790	CC	TT	1940283937

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_61738_21004639	NC_021163.1	Ca_kabuli_chr04	21004639	GG	TT	1940283938
SNP_P1_61739_21004649	NC_021163.1	Ca_kabuli_chr04	21004649	CC	TT	1940283939
SNP_P1_61740_21008125	NC_021163.1	Ca_kabuli_chr04	21008125	TT	AA	1940283940
SNP_P1_61741_21008514	NC_021163.1	Ca_kabuli_chr04	21008514	TT	GG	1940283941
SNP_P1_61742_21008552	NC_021163.1	Ca_kabuli_chr04	21008552	CC	AA	1940283942
SNP_P1_61743_21008556	NC_021163.1	Ca_kabuli_chr04	21008556	CC	AA	1940283943
SNP_P1_61744_21008579	NC_021163.1	Ca_kabuli_chr04	21008579	AA	CC	1940283944
SNP_P1_61745_21015255	NC_021163.1	Ca_kabuli_chr04	21015255	CC	TT	1940283945
SNP_P1_61750_21063560	NC_021163.1	Ca_kabuli_chr04	21063560	AA	CC	1940283946
SNP_P1_61751_21063582	NC_021163.1	Ca_kabuli_chr04	21063582	AA	GG	1940283947
SNP_P1_61752_21063591	NC_021163.1	Ca_kabuli_chr04	21063591	CC	TT	1940283948
SNP_P1_61753_21067553	NC_021163.1	Ca_kabuli_chr04	21067553	TT	CC	1940283949
SNP_P1_61754_21067645	NC_021163.1	Ca_kabuli_chr04	21067645	TT	CC	1940283950
SNP_P1_61755_21067936	NC_021163.1	Ca_kabuli_chr04	21067936	TT	CC	1940283951
SNP_P1_61756_21067940	NC_021163.1	Ca_kabuli_chr04	21067940	TT	CC	1940283952
SNP_P1_61757_21071866	NC_021163.1	Ca_kabuli_chr04	21071866	CC	GG	1940283953
SNP_P1_61759_21071919	NC_021163.1	Ca_kabuli_chr04	21071919	TT	CC	1940283954
SNP_P1_61761_21073209	NC_021163.1	Ca_kabuli_chr04	21073209	CC	TT	1940283955
SNP_P1_61762_21076465	NC_021163.1	Ca_kabuli_chr04	21076465	CC	TT	1940283956
SNP_P1_61763_21076504	NC_021163.1	Ca_kabuli_chr04	21076504	GG	TT	1940283957
SNP_P1_61764_21076666	NC_021163.1	Ca_kabuli_chr04	21076666	TT	CC	1940283958
SNP_P1_61765_21076710	NC_021163.1	Ca_kabuli_chr04	21076710	CC	TT	1940283959
SNP_P1_61767_21085048	NC_021163.1	Ca_kabuli_chr04	21085048	GG	AA	1940283960
SNP_P1_61769_21105903	NC_021163.1	Ca_kabuli_chr04	21105903	GG	AA	1940283961
SNP_P1_61771_21125560	NC_021163.1	Ca_kabuli_chr04	21125560	GG	AA	1940283962
SNP_P1_61773_21154335	NC_021163.1	Ca_kabuli_chr04	21154335	CC	TT	1940283963
SNP_P1_61774_21161025	NC_021163.1	Ca_kabuli_chr04	21161025	AA	GG	1940283964
SNP_P1_61775_21175052	NC_021163.1	Ca_kabuli_chr04	21175052	TT	CC	1940283965
SNP_P1_61777_21175364	NC_021163.1	Ca_kabuli_chr04	21175364	GG	AA	1940283966
SNP_P1_61778_21175920	NC_021163.1	Ca_kabuli_chr04	21175920	CC	AA	1940283967
SNP_P1_61780_21185442	NC_021163.1	Ca_kabuli_chr04	21185442	CC	TT	1940283968
SNP_P1_61781_21209264	NC_021163.1	Ca_kabuli_chr04	21209264	TT	CC	1940283969
SNP_P1_61782_21213431	NC_021163.1	Ca_kabuli_chr04	21213431	TT	CC	1940283970
SNP_P1_61783_21213560	NC_021163.1	Ca_kabuli_chr04	21213560	GG	TT	1940283971
SNP_P1_61784_21213602	NC_021163.1	Ca_kabuli_chr04	21213602	GG	AA	1940283972
SNP_P1_61785_21213621	NC_021163.1	Ca_kabuli_chr04	21213621	AA	GG	1940283973
SNP_P1_61786_21213627	NC_021163.1	Ca_kabuli_chr04	21213627	AA	GG	1940283974
SNP_P1_61788_21229268	NC_021163.1	Ca_kabuli_chr04	21229268	GG	AA	1940283975
SNP_P1_61789_21229274	NC_021163.1	Ca_kabuli_chr04	21229274	GG	TT	1940283976
SNP_P1_61790_21229628	NC_021163.1	Ca_kabuli_chr04	21229628	CC	AA	1940283977
SNP_P1_61791_21229669	NC_021163.1	Ca_kabuli_chr04	21229669	AA	TT	1940283978
SNP_P1_61792_21229753	NC_021163.1	Ca_kabuli_chr04	21229753	GG	CC	1940283979

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_61793_21229780	NC_021163.1	Ca_kabuli_chr04	21229780	AA	GG	1940283980
SNP_P1_61794_21229861	NC_021163.1	Ca_kabuli_chr04	21229861	AA	CC	1940283981
SNP_P1_61795_21229884	NC_021163.1	Ca_kabuli_chr04	21229884	TT	CC	1940283982
SNP_P1_61796_21229968	NC_021163.1	Ca_kabuli_chr04	21229968	GG	TT	1940283983
SNP_P1_61798_21231212	NC_021163.1	Ca_kabuli_chr04	21231212	CC	AA	1940283984
SNP_P1_61799_21231280	NC_021163.1	Ca_kabuli_chr04	21231280	CC	TT	1940283985
SNP_P1_61800_21231302	NC_021163.1	Ca_kabuli_chr04	21231302	AA	GG	1940283986
SNP_P1_61801_21231328	NC_021163.1	Ca_kabuli_chr04	21231328	AA	GG	1940283987
SNP_P1_61802_21231441	NC_021163.1	Ca_kabuli_chr04	21231441	GG	CC	1940283988
SNP_P1_61803_21231457	NC_021163.1	Ca_kabuli_chr04	21231457	TT	CC	1940283989
SNP_P1_61804_21231506	NC_021163.1	Ca_kabuli_chr04	21231506	TT	CC	1940283990
SNP_P1_61805_21231550	NC_021163.1	Ca_kabuli_chr04	21231550	TT	GG	1940283991
SNP_P1_61806_21231591	NC_021163.1	Ca_kabuli_chr04	21231591	AA	GG	1940283992
SNP_P1_61807_21234316	NC_021163.1	Ca_kabuli_chr04	21234316	AA	GG	1940283993
SNP_P1_61808_21234651	NC_021163.1	Ca_kabuli_chr04	21234651	CC	AA	1940283994
SNP_P1_61809_21234709	NC_021163.1	Ca_kabuli_chr04	21234709	TT	GG	1940283995
SNP_P1_61810_21239758	NC_021163.1	Ca_kabuli_chr04	21239758	AA	GG	1940283996
SNP_P1_61811_21239895	NC_021163.1	Ca_kabuli_chr04	21239895	CC	TT	1940283997
SNP_P1_61812_21240167	NC_021163.1	Ca_kabuli_chr04	21240167	AA	TT	1940283998
SNP_P1_61813_21240207	NC_021163.1	Ca_kabuli_chr04	21240207	TT	AA	1940283999
SNP_P1_61814_21243203	NC_021163.1	Ca_kabuli_chr04	21243203	AA	CC	1940284000
SNP_P1_61815_21243734	NC_021163.1	Ca_kabuli_chr04	21243734	GG	AA	1940284001
SNP_P1_61816_21244355	NC_021163.1	Ca_kabuli_chr04	21244355	GG	AA	1940284002
SNP_P1_61820_21261668	NC_021163.1	Ca_kabuli_chr04	21261668	TT	CC	1940284003
SNP_P1_61822_21269894	NC_021163.1	Ca_kabuli_chr04	21269894	GG	AA	1940284004
SNP_P1_61823_21275083	NC_021163.1	Ca_kabuli_chr04	21275083	TT	CC	1940284005
SNP_P1_61824_21284977	NC_021163.1	Ca_kabuli_chr04	21284977	CC	TT	1940284006
SNP_P1_61826_21314477	NC_021163.1	Ca_kabuli_chr04	21314477	CC	TT	1940284007
SNP_P1_61827_21318138	NC_021163.1	Ca_kabuli_chr04	21318138	CC	AA	1940284008
SNP_P1_61828_21323825	NC_021163.1	Ca_kabuli_chr04	21323825	AA	TT	1940284009
SNP_P1_61829_21331108	NC_021163.1	Ca_kabuli_chr04	21331108	TT	AA	1940284010
SNP_P1_61830_21331112	NC_021163.1	Ca_kabuli_chr04	21331112	TT	CC	1940284011
SNP_P1_61831_21331119	NC_021163.1	Ca_kabuli_chr04	21331119	TT	CC	1940284012
SNP_P1_61832_21331164	NC_021163.1	Ca_kabuli_chr04	21331164	AA	CC	1940284013
SNP_P1_61833_21331505	NC_021163.1	Ca_kabuli_chr04	21331505	AA	GG	1940284014
SNP_P1_61834_21331512	NC_021163.1	Ca_kabuli_chr04	21331512	TT	AA	1940284015
SNP_P1_61835_21331552	NC_021163.1	Ca_kabuli_chr04	21331552	TT	CC	1940284016
SNP_P1_61836_21346316	NC_021163.1	Ca_kabuli_chr04	21346316	AA	TT	1940284017
SNP_P1_61837_21347007	NC_021163.1	Ca_kabuli_chr04	21347007	TT	AA	1940284018
SNP_P1_61838_21347515	NC_021163.1	Ca_kabuli_chr04	21347515	TT	AA	1940284019
SNP_P1_61839_21347667	NC_021163.1	Ca_kabuli_chr04	21347667	TT	GG	1940284020
SNP_P1_61840_21347760	NC_021163.1	Ca_kabuli_chr04	21347760	TT	AA	1940284021

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_61841_21347905	NC_021163.1	Ca_kabuli_chr04	21347905	CC	AA	1940284022
SNP_P1_61842_21357886	NC_021163.1	Ca_kabuli_chr04	21357886	TT	CC	1940284023
SNP_P1_61843_21359230	NC_021163.1	Ca_kabuli_chr04	21359230	CC	GG	1940284024
SNP_P1_61844_21364529	NC_021163.1	Ca_kabuli_chr04	21364529	CC	TT	1940284025
SNP_P1_61845_21373914	NC_021163.1	Ca_kabuli_chr04	21373914	GG	AA	1940284026
SNP_P1_61846_21375338	NC_021163.1	Ca_kabuli_chr04	21375338	AA	CC	1940284027
SNP_P1_61848_21384314	NC_021163.1	Ca_kabuli_chr04	21384314	CC	TT	1940284028
SNP_P1_61849_21389665	NC_021163.1	Ca_kabuli_chr04	21389665	GG	AA	1940284029
SNP_P1_61851_21420982	NC_021163.1	Ca_kabuli_chr04	21420982	CC	TT	1940284030
SNP_P1_61852_21426565	NC_021163.1	Ca_kabuli_chr04	21426565	TT	CC	1940284031
SNP_P1_61854_21426623	NC_021163.1	Ca_kabuli_chr04	21426623	GG	CC	1940284032
SNP_P1_61855_21426725	NC_021163.1	Ca_kabuli_chr04	21426725	AA	GG	1940284033
SNP_P1_61856_21450668	NC_021163.1	Ca_kabuli_chr04	21450668	CC	TT	1940284034
SNP_P1_61857_21458475	NC_021163.1	Ca_kabuli_chr04	21458475	CC	TT	1940284035
SNP_P1_61858_21463462	NC_021163.1	Ca_kabuli_chr04	21463462	TT	CC	1940284036
SNP_P1_61859_21498669	NC_021163.1	Ca_kabuli_chr04	21498669	TT	CC	1940284037
SNP_P1_61860_21502715	NC_021163.1	Ca_kabuli_chr04	21502715	TT	CC	1940284038
SNP_P1_61861_21508192	NC_021163.1	Ca_kabuli_chr04	21508192	GG	AA	1940284039
SNP_P1_61862_21511754	NC_021163.1	Ca_kabuli_chr04	21511754	AA	GG	1940284040
SNP_P1_61863_21511779	NC_021163.1	Ca_kabuli_chr04	21511779	TT	GG	1940284041
SNP_P1_61864_21511878	NC_021163.1	Ca_kabuli_chr04	21511878	TT	GG	1940284042
SNP_P1_61865_21514323	NC_021163.1	Ca_kabuli_chr04	21514323	TT	CC	1940284043
SNP_P1_61867_21514660	NC_021163.1	Ca_kabuli_chr04	21514660	TT	AA	1940284044
SNP_P1_61868_21514668	NC_021163.1	Ca_kabuli_chr04	21514668	AA	GG	1940284045
SNP_P1_61869_21516764	NC_021163.1	Ca_kabuli_chr04	21516764	AA	GG	1940284046
SNP_P1_61870_21516768	NC_021163.1	Ca_kabuli_chr04	21516768	AA	TT	1940284047
SNP_P1_61871_21528944	NC_021163.1	Ca_kabuli_chr04	21528944	AA	CC	1940284048
SNP_P1_61872_21528970	NC_021163.1	Ca_kabuli_chr04	21528970	CC	AA	1940284049
SNP_P1_61873_21528972	NC_021163.1	Ca_kabuli_chr04	21528972	TT	AA	1940284050
SNP_P1_61874_21528973	NC_021163.1	Ca_kabuli_chr04	21528973	AA	TT	1940284051
SNP_P1_61875_21529154	NC_021163.1	Ca_kabuli_chr04	21529154	CC	TT	1940284052
SNP_P1_61877_21529200	NC_021163.1	Ca_kabuli_chr04	21529200	GG	AA	1940284053
SNP_P1_61880_21529747	NC_021163.1	Ca_kabuli_chr04	21529747	AA	TT	1940284054
SNP_P1_61881_21532153	NC_021163.1	Ca_kabuli_chr04	21532153	CC	GG	1940284055
SNP_P1_61882_21542358	NC_021163.1	Ca_kabuli_chr04	21542358	TT	CC	1940284056
SNP_P1_61883_21568556	NC_021163.1	Ca_kabuli_chr04	21568556	CC	TT	1940284057
SNP_P1_61884_21569919	NC_021163.1	Ca_kabuli_chr04	21569919	TT	GG	1940284058
SNP_P1_61885_21569945	NC_021163.1	Ca_kabuli_chr04	21569945	TT	AA	1940284059
SNP_P1_61886_21570243	NC_021163.1	Ca_kabuli_chr04	21570243	AA	GG	1940284060
SNP_P1_61887_21571039	NC_021163.1	Ca_kabuli_chr04	21571039	CC	TT	1940284061
SNP_P1_61888_21571185	NC_021163.1	Ca_kabuli_chr04	21571185	AA	GG	1940284062
SNP_P1_61890_21583540	NC_021163.1	Ca_kabuli_chr04	21583540	GG	AA	1940284063

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_61891_21583808	NC_021163.1	Ca_kabuli_chr04	21583808	TT	CC	1940284064
SNP_P1_61892_21583812	NC_021163.1	Ca_kabuli_chr04	21583812	AA	GG	1940284065
SNP_P1_61893_21589583	NC_021163.1	Ca_kabuli_chr04	21589583	GG	AA	1940284066
SNP_P1_61894_21589591	NC_021163.1	Ca_kabuli_chr04	21589591	GG	AA	1940284067
SNP_P1_61895_21589604	NC_021163.1	Ca_kabuli_chr04	21589604	AA	GG	1940284068
SNP_P1_61896_21589607	NC_021163.1	Ca_kabuli_chr04	21589607	CC	TT	1940284069
SNP_P1_61897_21599133	NC_021163.1	Ca_kabuli_chr04	21599133	GG	AA	1940284070
SNP_P1_61899_21601868	NC_021163.1	Ca_kabuli_chr04	21601868	TT	CC	1940284071
SNP_P1_61900_21601908	NC_021163.1	Ca_kabuli_chr04	21601908	TT	AA	1940284072
SNP_P1_61901_21601929	NC_021163.1	Ca_kabuli_chr04	21601929	AA	TT	1940284073
SNP_P1_61902_21601967	NC_021163.1	Ca_kabuli_chr04	21601967	AA	CC	1940284074
SNP_P1_61903_21601968	NC_021163.1	Ca_kabuli_chr04	21601968	AA	CC	1940284075
SNP_P1_61904_21601974	NC_021163.1	Ca_kabuli_chr04	21601974	TT	AA	1940284076
SNP_P1_61905_21607236	NC_021163.1	Ca_kabuli_chr04	21607236	AA	CC	1940284077
SNP_P1_61906_21607300	NC_021163.1	Ca_kabuli_chr04	21607300	TT	CC	1940284078
SNP_P1_61907_21607368	NC_021163.1	Ca_kabuli_chr04	21607368	GG	TT	1940284079
SNP_P1_61908_21607490	NC_021163.1	Ca_kabuli_chr04	21607490	AA	CC	1940284080
SNP_P1_61909_21607600	NC_021163.1	Ca_kabuli_chr04	21607600	TT	CC	1940284081
SNP_P1_61910_21607615	NC_021163.1	Ca_kabuli_chr04	21607615	AA	GG	1940284082
SNP_P1_61911_21607620	NC_021163.1	Ca_kabuli_chr04	21607620	AA	GG	1940284083
SNP_P1_61912_21607747	NC_021163.1	Ca_kabuli_chr04	21607747	TT	CC	1940284084
SNP_P1_61913_21607768	NC_021163.1	Ca_kabuli_chr04	21607768	TT	GG	1940284085
SNP_P1_61914_21607788	NC_021163.1	Ca_kabuli_chr04	21607788	TT	CC	1940284086
SNP_P1_61915_21607893	NC_021163.1	Ca_kabuli_chr04	21607893	CC	TT	1940284087
SNP_P1_61916_21607903	NC_021163.1	Ca_kabuli_chr04	21607903	GG	AA	1940284088
SNP_P1_61917_21609261	NC_021163.1	Ca_kabuli_chr04	21609261	TT	AA	1940284089
SNP_P1_61919_21622031	NC_021163.1	Ca_kabuli_chr04	21622031	TT	CC	1940284090
SNP_P1_61920_21622032	NC_021163.1	Ca_kabuli_chr04	21622032	CC	TT	1940284091
SNP_P1_61921_21622088	NC_021163.1	Ca_kabuli_chr04	21622088	AA	GG	1940284092
SNP_P1_61922_21622089	NC_021163.1	Ca_kabuli_chr04	21622089	GG	AA	1940284093
SNP_P1_61923_21622187	NC_021163.1	Ca_kabuli_chr04	21622187	TT	CC	1940284094
SNP_P1_61924_21622353	NC_021163.1	Ca_kabuli_chr04	21622353	GG	TT	1940284095
SNP_P1_61925_21622641	NC_021163.1	Ca_kabuli_chr04	21622641	AA	GG	1940284096
SNP_P1_61927_21622693	NC_021163.1	Ca_kabuli_chr04	21622693	GG	AA	1940284097
SNP_P1_61928_21623016	NC_021163.1	Ca_kabuli_chr04	21623016	AA	GG	1940284098
SNP_P1_61929_21623042	NC_021163.1	Ca_kabuli_chr04	21623042	GG	TT	1940284099
SNP_P1_61930_21624834	NC_021163.1	Ca_kabuli_chr04	21624834	TT	AA	1940284100
SNP_P1_61931_21625751	NC_021163.1	Ca_kabuli_chr04	21625751	GG	AA	1940284101
SNP_P1_61932_21627035	NC_021163.1	Ca_kabuli_chr04	21627035	TT	CC	1940284102
SNP_P1_61936_21660697	NC_021163.1	Ca_kabuli_chr04	21660697	CC	TT	1940284103
SNP_P1_61937_21669416	NC_021163.1	Ca_kabuli_chr04	21669416	AA	TT	1940284104
SNP_P1_61938_21669427	NC_021163.1	Ca_kabuli_chr04	21669427	GG	AA	1940284105

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_61940_21681633	NC_021163.1	Ca_kabuli_chr04	21681633	GG	AA	1940284107
SNP_P1_61941_21683845	NC_021163.1	Ca_kabuli_chr04	21683845	CC	TT	1940284108
SNP_P1_61942_21684093	NC_021163.1	Ca_kabuli_chr04	21684093	TT	AA	1940284109
SNP_P1_61943_21684736	NC_021163.1	Ca_kabuli_chr04	21684736	CC	TT	1940284110
SNP_P1_61944_21690616	NC_021163.1	Ca_kabuli_chr04	21690616	CC	AA	1940284111
SNP_P1_61945_21690937	NC_021163.1	Ca_kabuli_chr04	21690937	GG	AA	1940284112
SNP_P1_61946_21690995	NC_021163.1	Ca_kabuli_chr04	21690995	CC	TT	1940284113
SNP_P1_61947_21691029	NC_021163.1	Ca_kabuli_chr04	21691029	GG	AA	1940284114
SNP_P1_61948_21691060	NC_021163.1	Ca_kabuli_chr04	21691060	CC	TT	1940284115
SNP_P1_61949_21691100	NC_021163.1	Ca_kabuli_chr04	21691100	AA	GG	1940284116
SNP_P1_61950_21693494	NC_021163.1	Ca_kabuli_chr04	21693494	GG	TT	1940284117
SNP_P1_61951_21693557	NC_021163.1	Ca_kabuli_chr04	21693557	GG	AA	1940284118
SNP_P1_61952_21693559	NC_021163.1	Ca_kabuli_chr04	21693559	TT	GG	1940284119
SNP_P1_61953_21694217	NC_021163.1	Ca_kabuli_chr04	21694217	CC	AA	1940284120
SNP_P1_61956_21722835	NC_021163.1	Ca_kabuli_chr04	21722835	TT	CC	1940284121
SNP_P1_61959_21726908	NC_021163.1	Ca_kabuli_chr04	21726908	AA	TT	1940284122
SNP_P1_61961_21731646	NC_021163.1	Ca_kabuli_chr04	21731646	TT	CC	1940284123
SNP_P1_61962_21731806	NC_021163.1	Ca_kabuli_chr04	21731806	AA	TT	1940284124
SNP_P1_61963_21731852	NC_021163.1	Ca_kabuli_chr04	21731852	GG	AA	1940284125
SNP_P1_61964_21731859	NC_021163.1	Ca_kabuli_chr04	21731859	AA	TT	1940284126
SNP_P1_61965_21731871	NC_021163.1	Ca_kabuli_chr04	21731871	GG	AA	1940284127
SNP_P1_61966_21731879	NC_021163.1	Ca_kabuli_chr04	21731879	AA	TT	1940284128
SNP_P1_61967_21744752	NC_021163.1	Ca_kabuli_chr04	21744752	CC	TT	1940284129
SNP_P1_61968_21764733	NC_021163.1	Ca_kabuli_chr04	21764733	CC	AA	1940284130
SNP_P1_61970_21774511	NC_021163.1	Ca_kabuli_chr04	21774511	CC	TT	1940284131
SNP_P1_61971_21778566	NC_021163.1	Ca_kabuli_chr04	21778566	TT	CC	1940284132
SNP_P1_61972_21788731	NC_021163.1	Ca_kabuli_chr04	21788731	AA	TT	1940284133
SNP_P1_61973_21790544	NC_021163.1	Ca_kabuli_chr04	21790544	TT	CC	1940284134
SNP_P1_61974_21790553	NC_021163.1	Ca_kabuli_chr04	21790553	CC	TT	1940284135
SNP_P1_61976_21790801	NC_021163.1	Ca_kabuli_chr04	21790801	TT	CC	1940284136
SNP_P1_61977_21791220	NC_021163.1	Ca_kabuli_chr04	21791220	CC	TT	1940284137
SNP_P1_61978_21793277	NC_021163.1	Ca_kabuli_chr04	21793277	CC	TT	1940284138
SNP_P1_61979_21804593	NC_021163.1	Ca_kabuli_chr04	21804593	GG	AA	1940284139
SNP_P1_61980_21804619	NC_021163.1	Ca_kabuli_chr04	21804619	GG	AA	1940284140
SNP_P1_61981_21804742	NC_021163.1	Ca_kabuli_chr04	21804742	AA	GG	1940284141
SNP_P1_61983_21804788	NC_021163.1	Ca_kabuli_chr04	21804788	TT	GG	1940284142
SNP_P1_61984_21804812	NC_021163.1	Ca_kabuli_chr04	21804812	AA	GG	1940284143
SNP_P1_61985_21804822	NC_021163.1	Ca_kabuli_chr04	21804822	GG	AA	1940284144
SNP_P1_61986_21839323	NC_021163.1	Ca_kabuli_chr04	21839323	GG	AA	1940284145
SNP_P1_61987_21848587	NC_021163.1	Ca_kabuli_chr04	21848587	CC	TT	1940284146
SNP_P1_61988_21848607	NC_021163.1	Ca_kabuli_chr04	21848607	GG	AA	1940284147

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_61989_21848675	NC_021163.1	Ca_kabuli_chr04	21848675	AA	TT	1940284148
SNP_P1_61990_21848904	NC_021163.1	Ca_kabuli_chr04	21848904	TT	CC	1940284149
SNP_P1_61991_21849255	NC_021163.1	Ca_kabuli_chr04	21849255	GG	TT	1940284150
SNP_P1_61992_21849320	NC_021163.1	Ca_kabuli_chr04	21849320	TT	CC	1940284151
SNP_P1_61993_21849528	NC_021163.1	Ca_kabuli_chr04	21849528	GG	AA	1940284152
SNP_P1_61994_21849656	NC_021163.1	Ca_kabuli_chr04	21849656	AA	GG	1940284153
SNP_P1_61995_21856429	NC_021163.1	Ca_kabuli_chr04	21856429	TT	CC	1940284154
SNP_P1_61996_21872859	NC_021163.1	Ca_kabuli_chr04	21872859	TT	CC	1940284155
SNP_P1_61997_21872920	NC_021163.1	Ca_kabuli_chr04	21872920	AA	CC	1940284156
SNP_P1_61998_21887828	NC_021163.1	Ca_kabuli_chr04	21887828	GG	TT	1940284157
SNP_P1_61999_21891714	NC_021163.1	Ca_kabuli_chr04	21891714	AA	GG	1940284158
SNP_P1_62000_21904215	NC_021163.1	Ca_kabuli_chr04	21904215	GG	TT	1940284159
SNP_P1_62002_21909717	NC_021163.1	Ca_kabuli_chr04	21909717	CC	TT	1940284160
SNP_P1_62004_21915039	NC_021163.1	Ca_kabuli_chr04	21915039	GG	AA	1940284161
SNP_P1_62005_21928816	NC_021163.1	Ca_kabuli_chr04	21928816	GG	AA	1940284162
SNP_P1_62006_21929650	NC_021163.1	Ca_kabuli_chr04	21929650	AA	GG	1940284163
SNP_P1_62007_21929942	NC_021163.1	Ca_kabuli_chr04	21929942	GG	TT	1940284164
SNP_P1_62008_21930063	NC_021163.1	Ca_kabuli_chr04	21930063	CC	AA	1940284165
SNP_P1_62010_21936398	NC_021163.1	Ca_kabuli_chr04	21936398	GG	AA	1940284166
SNP_P1_62011_21936417	NC_021163.1	Ca_kabuli_chr04	21936417	TT	CC	1940284167
SNP_P1_62012_21936452	NC_021163.1	Ca_kabuli_chr04	21936452	AA	GG	1940284168
SNP_P1_62013_21936521	NC_021163.1	Ca_kabuli_chr04	21936521	CC	TT	1940284169
SNP_P1_62014_21936664	NC_021163.1	Ca_kabuli_chr04	21936664	TT	GG	1940284170
SNP_P1_62015_21936764	NC_021163.1	Ca_kabuli_chr04	21936764	GG	TT	1940284171
SNP_P1_62016_21936784	NC_021163.1	Ca_kabuli_chr04	21936784	CC	TT	1940284172
SNP_P1_62017_21936785	NC_021163.1	Ca_kabuli_chr04	21936785	CC	TT	1940284173
SNP_P1_62018_21936801	NC_021163.1	Ca_kabuli_chr04	21936801	AA	TT	1940284174
SNP_P1_62019_21946535	NC_021163.1	Ca_kabuli_chr04	21946535	TT	GG	1940284175
SNP_P1_62020_21992596	NC_021163.1	Ca_kabuli_chr04	21992596	CC	AA	1940284176
SNP_P1_62021_21992619	NC_021163.1	Ca_kabuli_chr04	21992619	CC	AA	1940284177
SNP_P1_62022_21992649	NC_021163.1	Ca_kabuli_chr04	21992649	CC	TT	1940284178
SNP_P1_62023_21996554	NC_021163.1	Ca_kabuli_chr04	21996554	GG	AA	1940284179
SNP_P1_62024_22007998	NC_021163.1	Ca_kabuli_chr04	22007998	TT	CC	1940284180
SNP_P1_62025_22008626	NC_021163.1	Ca_kabuli_chr04	22008626	CC	TT	1940284181
SNP_P1_62026_22014696	NC_021163.1	Ca_kabuli_chr04	22014696	GG	AA	1940284182
SNP_P1_62027_22016328	NC_021163.1	Ca_kabuli_chr04	22016328	GG	AA	1940284183
SNP_P1_62028_22024529	NC_021163.1	Ca_kabuli_chr04	22024529	CC	TT	1940284184
SNP_P1_62029_22027194	NC_021163.1	Ca_kabuli_chr04	22027194	AA	GG	1940284185
SNP_P1_62031_22052628	NC_021163.1	Ca_kabuli_chr04	22052628	TT	AA	1940284186
SNP_P1_62032_22052881	NC_021163.1	Ca_kabuli_chr04	22052881	GG	AA	1940284187
SNP_P1_62033_22071228	NC_021163.1	Ca_kabuli_chr04	22071228	CC	AA	1940284188
SNP_P1_62034_22073607	NC_021163.1	Ca_kabuli_chr04	22073607	AA	TT	1940284189

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_62035_22077584	NC_021163.1	Ca_kabuli_chr04	22077584	TT	CC	1940284190
SNP_P1_62036_22089471	NC_021163.1	Ca_kabuli_chr04	22089471	AA	GG	1940284191
SNP_P1_62037_22092886	NC_021163.1	Ca_kabuli_chr04	22092886	GG	AA	1940284192
SNP_P1_62038_22096694	NC_021163.1	Ca_kabuli_chr04	22096694	TT	CC	1940284193
SNP_P1_62040_22105393	NC_021163.1	Ca_kabuli_chr04	22105393	GG	AA	1940284194
SNP_P1_62041_22113745	NC_021163.1	Ca_kabuli_chr04	22113745	CC	TT	1940284195
SNP_P1_62042_22115061	NC_021163.1	Ca_kabuli_chr04	22115061	AA	GG	1940284196
SNP_P1_62043_22122046	NC_021163.1	Ca_kabuli_chr04	22122046	GG	AA	1940284197
SNP_P1_62044_22123575	NC_021163.1	Ca_kabuli_chr04	22123575	TT	CC	1940284198
SNP_P1_62045_22127622	NC_021163.1	Ca_kabuli_chr04	22127622	TT	CC	1940284199
SNP_P1_62046_22127639	NC_021163.1	Ca_kabuli_chr04	22127639	GG	CC	1940284200
SNP_P1_62047_22127645	NC_021163.1	Ca_kabuli_chr04	22127645	TT	GG	1940284201
SNP_P1_62048_22127662	NC_021163.1	Ca_kabuli_chr04	22127662	CC	TT	1940284202
SNP_P1_62049_22127884	NC_021163.1	Ca_kabuli_chr04	22127884	GG	CC	1940284203
SNP_P1_62050_22127999	NC_021163.1	Ca_kabuli_chr04	22127999	CC	TT	1940284204
SNP_P1_62051_22134669	NC_021163.1	Ca_kabuli_chr04	22134669	AA	TT	1940284205
SNP_P1_62052_22134969	NC_021163.1	Ca_kabuli_chr04	22134969	GG	CC	1940284206
SNP_P1_62054_22135052	NC_021163.1	Ca_kabuli_chr04	22135052	TT	CC	1940284207
SNP_P1_62055_22135108	NC_021163.1	Ca_kabuli_chr04	22135108	AA	TT	1940284208
SNP_P1_62056_22135118	NC_021163.1	Ca_kabuli_chr04	22135118	CC	AA	1940284209
SNP_P1_62058_22135439	NC_021163.1	Ca_kabuli_chr04	22135439	AA	GG	1940284210
SNP_P1_62059_22135485	NC_021163.1	Ca_kabuli_chr04	22135485	GG	CC	1940284211
SNP_P1_62060_22135519	NC_021163.1	Ca_kabuli_chr04	22135519	GG	AA	1940284212
SNP_P1_62061_22135523	NC_021163.1	Ca_kabuli_chr04	22135523	AA	TT	1940284213
SNP_P1_62062_22135542	NC_021163.1	Ca_kabuli_chr04	22135542	AA	CC	1940284214
SNP_P1_62063_22135622	NC_021163.1	Ca_kabuli_chr04	22135622	TT	AA	1940284215
SNP_P1_62064_22135690	NC_021163.1	Ca_kabuli_chr04	22135690	AA	GG	1940284216
SNP_P1_62065_22135714	NC_021163.1	Ca_kabuli_chr04	22135714	GG	AA	1940284217
SNP_P1_62066_22135718	NC_021163.1	Ca_kabuli_chr04	22135718	GG	TT	1940284218
SNP_P1_62067_22135724	NC_021163.1	Ca_kabuli_chr04	22135724	CC	AA	1940284219
SNP_P1_62068_22135737	NC_021163.1	Ca_kabuli_chr04	22135737	GG	TT	1940284220
SNP_P1_62069_22135746	NC_021163.1	Ca_kabuli_chr04	22135746	AA	GG	1940284221
SNP_P1_62070_22135751	NC_021163.1	Ca_kabuli_chr04	22135751	GG	CC	1940284222
SNP_P1_62071_22135754	NC_021163.1	Ca_kabuli_chr04	22135754	AA	CC	1940284223
SNP_P1_62072_22135756	NC_021163.1	Ca_kabuli_chr04	22135756	CC	AA	1940284224
SNP_P1_62073_22135765	NC_021163.1	Ca_kabuli_chr04	22135765	CC	AA	1940284225
SNP_P1_62074_22135774	NC_021163.1	Ca_kabuli_chr04	22135774	GG	AA	1940284226
SNP_P1_62075_22135787	NC_021163.1	Ca_kabuli_chr04	22135787	GG	AA	1940284227
SNP_P1_62076_22135788	NC_021163.1	Ca_kabuli_chr04	22135788	TT	CC	1940284228
SNP_P1_62077_22135818	NC_021163.1	Ca_kabuli_chr04	22135818	CC	TT	1940284229
SNP_P1_62078_22135886	NC_021163.1	Ca_kabuli_chr04	22135886	AA	CC	1940284230
SNP_P1_62079_22135901	NC_021163.1	Ca_kabuli_chr04	22135901	TT	CC	1940284231

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_62080_22135922	NC_021163.1	Ca_kabuli_chr04	22135922	CC	AA	1940284232
SNP_P1_62081_22135932	NC_021163.1	Ca_kabuli_chr04	22135932	GG	CC	1940284233
SNP_P1_62082_22135973	NC_021163.1	Ca_kabuli_chr04	22135973	AA	TT	1940284234
SNP_P1_62083_22135999	NC_021163.1	Ca_kabuli_chr04	22135999	AA	GG	1940284235
SNP_P1_62084_22136020	NC_021163.1	Ca_kabuli_chr04	22136020	GG	AA	1940284236
SNP_P1_62085_22136088	NC_021163.1	Ca_kabuli_chr04	22136088	GG	TT	1940284237
SNP_P1_62086_22136125	NC_021163.1	Ca_kabuli_chr04	22136125	TT	AA	1940284238
SNP_P1_62087_22136128	NC_021163.1	Ca_kabuli_chr04	22136128	GG	AA	1940284239
SNP_P1_62088_22136129	NC_021163.1	Ca_kabuli_chr04	22136129	AA	TT	1940284240
SNP_P1_62089_22136174	NC_021163.1	Ca_kabuli_chr04	22136174	AA	TT	1940284241
SNP_P1_62090_22136215	NC_021163.1	Ca_kabuli_chr04	22136215	GG	AA	1940284242
SNP_P1_62091_22136281	NC_021163.1	Ca_kabuli_chr04	22136281	AA	GG	1940284243
SNP_P1_62092_22136283	NC_021163.1	Ca_kabuli_chr04	22136283	TT	CC	1940284244
SNP_P1_62093_22136289	NC_021163.1	Ca_kabuli_chr04	22136289	AA	CC	1940284245
SNP_P1_62094_22137399	NC_021163.1	Ca_kabuli_chr04	22137399	AA	GG	1940284246
SNP_P1_62095_22138121	NC_021163.1	Ca_kabuli_chr04	22138121	CC	AA	1940284247
SNP_P1_62096_22138643	NC_021163.1	Ca_kabuli_chr04	22138643	GG	AA	1940284248
SNP_P1_62097_22147703	NC_021163.1	Ca_kabuli_chr04	22147703	AA	CC	1940284249
SNP_P1_62098_22158522	NC_021163.1	Ca_kabuli_chr04	22158522	GG	AA	1940284250
SNP_P1_62099_22159708	NC_021163.1	Ca_kabuli_chr04	22159708	GG	CC	1940284251
SNP_P1_62100_22167730	NC_021163.1	Ca_kabuli_chr04	22167730	CC	TT	1940284252
SNP_P1_62101_22171457	NC_021163.1	Ca_kabuli_chr04	22171457	TT	CC	1940284253
SNP_P1_62103_22191794	NC_021163.1	Ca_kabuli_chr04	22191794	CC	TT	1940284254
SNP_P1_62104_22200087	NC_021163.1	Ca_kabuli_chr04	22200087	AA	TT	1940284255
SNP_P1_62105_22202859	NC_021163.1	Ca_kabuli_chr04	22202859	CC	TT	1940284256
SNP_P1_62106_22205630	NC_021163.1	Ca_kabuli_chr04	22205630	CC	TT	1940284257
SNP_P1_62107_22209856	NC_021163.1	Ca_kabuli_chr04	22209856	TT	CC	1940284258
SNP_P1_62108_22209857	NC_021163.1	Ca_kabuli_chr04	22209857	TT	GG	1940284259
SNP_P1_62109_22209858	NC_021163.1	Ca_kabuli_chr04	22209858	AA	TT	1940284260
SNP_P1_62110_22213419	NC_021163.1	Ca_kabuli_chr04	22213419	CC	TT	1940284261
SNP_P1_62111_22215765	NC_021163.1	Ca_kabuli_chr04	22215765	CC	GG	1940284262
SNP_P1_62112_22239500	NC_021163.1	Ca_kabuli_chr04	22239500	GG	TT	1940284263
SNP_P1_62113_22256308	NC_021163.1	Ca_kabuli_chr04	22256308	TT	AA	1940284264
SNP_P1_62114_22265254	NC_021163.1	Ca_kabuli_chr04	22265254	TT	CC	1940284265
SNP_P1_62115_22265399	NC_021163.1	Ca_kabuli_chr04	22265399	CC	AA	1940284266
SNP_P1_62116_22304336	NC_021163.1	Ca_kabuli_chr04	22304336	AA	CC	1940284267
SNP_P1_62118_22314038	NC_021163.1	Ca_kabuli_chr04	22314038	CC	GG	1940284268
SNP_P1_62121_22344537	NC_021163.1	Ca_kabuli_chr04	22344537	AA	CC	1940284269
SNP_P1_62122_22344540	NC_021163.1	Ca_kabuli_chr04	22344540	TT	CC	1940284270
SNP_P1_62123_22369526	NC_021163.1	Ca_kabuli_chr04	22369526	AA	GG	1940284271
SNP_P1_62125_22381766	NC_021163.1	Ca_kabuli_chr04	22381766	GG	AA	1940284272
SNP_P1_62126_22396749	NC_021163.1	Ca_kabuli_chr04	22396749	TT	CC	1940284273

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62128_22411507	NC_021163.1	Ca_kabuli_chr04	22411507	AA	GG	1940284275
SNP_P1_62129_22412124	NC_021163.1	Ca_kabuli_chr04	22412124	AA	GG	1940284276
SNP_P1_62130_22412185	NC_021163.1	Ca_kabuli_chr04	22412185	GG	AA	1940284277
SNP_P1_62131_22412201	NC_021163.1	Ca_kabuli_chr04	22412201	TT	CC	1940284278
SNP_P1_62132_22412216	NC_021163.1	Ca_kabuli_chr04	22412216	AA	GG	1940284279
SNP_P1_62133_22412220	NC_021163.1	Ca_kabuli_chr04	22412220	TT	CC	1940284280
SNP_P1_62135_22444144	NC_021163.1	Ca_kabuli_chr04	22444144	AA	TT	1940284281
SNP_P1_62136_22444241	NC_021163.1	Ca_kabuli_chr04	22444241	GG	AA	1940284282
SNP_P1_62137_22444372	NC_021163.1	Ca_kabuli_chr04	22444372	GG	AA	1940284283
SNP_P1_62138_22444552	NC_021163.1	Ca_kabuli_chr04	22444552	GG	AA	1940284284
SNP_P1_62139_22456274	NC_021163.1	Ca_kabuli_chr04	22456274	GG	AA	1940284285
SNP_P1_62140_22458609	NC_021163.1	Ca_kabuli_chr04	22458609	CC	AA	1940284286
SNP_P1_62141_22472751	NC_021163.1	Ca_kabuli_chr04	22472751	AA	CC	1940284287
SNP_P1_62143_22483553	NC_021163.1	Ca_kabuli_chr04	22483553	TT	CC	1940284288
SNP_P1_62144_22483854	NC_021163.1	Ca_kabuli_chr04	22483854	AA	GG	1940284289
SNP_P1_62145_22483941	NC_021163.1	Ca_kabuli_chr04	22483941	TT	CC	1940284290
SNP_P1_62146_22484123	NC_021163.1	Ca_kabuli_chr04	22484123	GG	CC	1940284291
SNP_P1_62150_22515892	NC_021163.1	Ca_kabuli_chr04	22515892	TT	CC	1940284292
SNP_P1_62151_22521172	NC_021163.1	Ca_kabuli_chr04	22521172	GG	TT	1940284293
SNP_P1_62152_22527458	NC_021163.1	Ca_kabuli_chr04	22527458	TT	GG	1940284294
SNP_P1_62154_22539168	NC_021163.1	Ca_kabuli_chr04	22539168	CC	AA	1940284295
SNP_P1_62155_22546241	NC_021163.1	Ca_kabuli_chr04	22546241	AA	GG	1940284296
SNP_P1_62157_22549731	NC_021163.1	Ca_kabuli_chr04	22549731	AA	TT	1940284297
SNP_P1_62158_22562649	NC_021163.1	Ca_kabuli_chr04	22562649	CC	AA	1940284298
SNP_P1_62159_22570038	NC_021163.1	Ca_kabuli_chr04	22570038	GG	AA	1940284299
SNP_P1_62160_22570045	NC_021163.1	Ca_kabuli_chr04	22570045	AA	TT	1940284300
SNP_P1_62161_22570384	NC_021163.1	Ca_kabuli_chr04	22570384	TT	CC	1940284301
SNP_P1_62162_22570443	NC_021163.1	Ca_kabuli_chr04	22570443	TT	CC	1940284302
SNP_P1_62163_22570496	NC_021163.1	Ca_kabuli_chr04	22570496	AA	GG	1940284303
SNP_P1_62164_22570786	NC_021163.1	Ca_kabuli_chr04	22570786	TT	CC	1940284304
SNP_P1_62165_22570981	NC_021163.1	Ca_kabuli_chr04	22570981	AA	CC	1940284305
SNP_P1_62166_22570989	NC_021163.1	Ca_kabuli_chr04	22570989	AA	GG	1940284306
SNP_P1_62168_22601338	NC_021163.1	Ca_kabuli_chr04	22601338	TT	AA	1940284307
SNP_P1_62169_22601350	NC_021163.1	Ca_kabuli_chr04	22601350	AA	TT	1940284308
SNP_P1_62170_22601429	NC_021163.1	Ca_kabuli_chr04	22601429	AA	CC	1940284309
SNP_P1_62171_22601500	NC_021163.1	Ca_kabuli_chr04	22601500	AA	TT	1940284310
SNP_P1_62172_22601595	NC_021163.1	Ca_kabuli_chr04	22601595	AA	GG	1940284311
SNP_P1_62173_22601657	NC_021163.1	Ca_kabuli_chr04	22601657	TT	GG	1940284312
SNP_P1_62176_22608737	NC_021163.1	Ca_kabuli_chr04	22608737	GG	CC	1940284313
SNP_P1_62177_22618011	NC_021163.1	Ca_kabuli_chr04	22618011	TT	GG	1940284314
SNP_P1_62178_22618309	NC_021163.1	Ca_kabuli_chr04	22618309	TT	CC	1940284315

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62180_22619180	NC_021163.1	Ca_kabuli_chr04	22619180	GG	TT	1940284317
SNP_P1_62181_22622199	NC_021163.1	Ca_kabuli_chr04	22622199	GG	AA	1940284318
SNP_P1_62182_22648535	NC_021163.1	Ca_kabuli_chr04	22648535	TT	CC	1940284319
SNP_P1_62183_22648541	NC_021163.1	Ca_kabuli_chr04	22648541	CC	GG	1940284320
SNP_P1_62184_22648939	NC_021163.1	Ca_kabuli_chr04	22648939	GG	AA	1940284321
SNP_P1_62185_22649405	NC_021163.1	Ca_kabuli_chr04	22649405	AA	GG	1940284322
SNP_P1_62186_22650250	NC_021163.1	Ca_kabuli_chr04	22650250	AA	GG	1940284323
SNP_P1_62187_22650608	NC_021163.1	Ca_kabuli_chr04	22650608	GG	TT	1940284324
SNP_P1_62189_22656662	NC_021163.1	Ca_kabuli_chr04	22656662	AA	GG	1940284325
SNP_P1_62190_22656678	NC_021163.1	Ca_kabuli_chr04	22656678	TT	CC	1940284326
SNP_P1_62191_22656679	NC_021163.1	Ca_kabuli_chr04	22656679	GG	AA	1940284327
SNP_P1_62192_22656684	NC_021163.1	Ca_kabuli_chr04	22656684	CC	GG	1940284328
SNP_P1_62193_22656782	NC_021163.1	Ca_kabuli_chr04	22656782	AA	GG	1940284329
SNP_P1_62195_22657077	NC_021163.1	Ca_kabuli_chr04	22657077	TT	CC	1940284330
SNP_P1_62196_22657103	NC_021163.1	Ca_kabuli_chr04	22657103	GG	TT	1940284331
SNP_P1_62197_22657120	NC_021163.1	Ca_kabuli_chr04	22657120	CC	TT	1940284332
SNP_P1_62198_22657292	NC_021163.1	Ca_kabuli_chr04	22657292	GG	AA	1940284333
SNP_P1_62199_22657526	NC_021163.1	Ca_kabuli_chr04	22657526	AA	GG	1940284334
SNP_P1_62200_22657581	NC_021163.1	Ca_kabuli_chr04	22657581	GG	AA	1940284335
SNP_P1_62201_22658611	NC_021163.1	Ca_kabuli_chr04	22658611	AA	CC	1940284336
SNP_P1_62202_22658618	NC_021163.1	Ca_kabuli_chr04	22658618	GG	AA	1940284337
SNP_P1_62203_22658707	NC_021163.1	Ca_kabuli_chr04	22658707	AA	GG	1940284338
SNP_P1_62204_22658739	NC_021163.1	Ca_kabuli_chr04	22658739	TT	CC	1940284339
SNP_P1_62205_22658777	NC_021163.1	Ca_kabuli_chr04	22658777	AA	GG	1940284340
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SNP_P1_62207_22658862	NC_021163.1	Ca_kabuli_chr04	22658862	CC	TT	1940284342
SNP_P1_62208_22658885	NC_021163.1	Ca_kabuli_chr04	22658885	AA	TT	1940284343
SNP_P1_62209_22658927	NC_021163.1	Ca_kabuli_chr04	22658927	CC	TT	1940284344
SNP_P1_62210_22659128	NC_021163.1	Ca_kabuli_chr04	22659128	GG	CC	1940284345
SNP_P1_62211_22659152	NC_021163.1	Ca_kabuli_chr04	22659152	TT	GG	1940284346
SNP_P1_62212_22659169	NC_021163.1	Ca_kabuli_chr04	22659169	GG	AA	1940284347
SNP_P1_62213_22660444	NC_021163.1	Ca_kabuli_chr04	22660444	GG	AA	1940284348
SNP_P1_62214_22660495	NC_021163.1	Ca_kabuli_chr04	22660495	GG	AA	1940284349
SNP_P1_62215_22660517	NC_021163.1	Ca_kabuli_chr04	22660517	GG	AA	1940284350
SNP_P1_62216_22660925	NC_021163.1	Ca_kabuli_chr04	22660925	AA	GG	1940284351
SNP_P1_62217_22661020	NC_021163.1	Ca_kabuli_chr04	22661020	AA	GG	1940284352
SNP_P1_62218_22661060	NC_021163.1	Ca_kabuli_chr04	22661060	GG	TT	1940284353
SNP_P1_62219_22662210	NC_021163.1	Ca_kabuli_chr04	22662210	TT	AA	1940284354
SNP_P1_62220_22662212	NC_021163.1	Ca_kabuli_chr04	22662212	TT	AA	1940284355
SNP_P1_62221_22662557	NC_021163.1	Ca_kabuli_chr04	22662557	AA	CC	1940284356
SNP_P1_62222_22662573	NC_021163.1	Ca_kabuli_chr04	22662573	TT	CC	1940284357

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62225_22663490	NC_021163.1	Ca_kabuli_chr04	22663490	GG	CC	1940284359
SNP_P1_62226_22663578	NC_021163.1	Ca_kabuli_chr04	22663578	GG	CC	1940284360
SNP_P1_62227_22663845	NC_021163.1	Ca_kabuli_chr04	22663845	TT	AA	1940284361
SNP_P1_62228_22663856	NC_021163.1	Ca_kabuli_chr04	22663856	TT	CC	1940284362
SNP_P1_62229_22663859	NC_021163.1	Ca_kabuli_chr04	22663859	TT	CC	1940284363
SNP_P1_62230_22663892	NC_021163.1	Ca_kabuli_chr04	22663892	GG	TT	1940284364
SNP_P1_62231_22663951	NC_021163.1	Ca_kabuli_chr04	22663951	TT	CC	1940284365
SNP_P1_62232_22663993	NC_021163.1	Ca_kabuli_chr04	22663993	TT	GG	1940284366
SNP_P1_62233_22664010	NC_021163.1	Ca_kabuli_chr04	22664010	GG	TT	1940284367
SNP_P1_62234_22664477	NC_021163.1	Ca_kabuli_chr04	22664477	AA	TT	1940284368
SNP_P1_62235_22664503	NC_021163.1	Ca_kabuli_chr04	22664503	AA	TT	1940284369
SNP_P1_62236_22664610	NC_021163.1	Ca_kabuli_chr04	22664610	TT	AA	1940284370
SNP_P1_62237_22664611	NC_021163.1	Ca_kabuli_chr04	22664611	AA	TT	1940284371
SNP_P1_62238_22664612	NC_021163.1	Ca_kabuli_chr04	22664612	AA	GG	1940284372
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SNP_P1_62240_22664647	NC_021163.1	Ca_kabuli_chr04	22664647	GG	AA	1940284374
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SNP_P1_62242_22664759	NC_021163.1	Ca_kabuli_chr04	22664759	GG	AA	1940284376
SNP_P1_62243_22664777	NC_021163.1	Ca_kabuli_chr04	22664777	AA	GG	1940284377
SNP_P1_62244_22664798	NC_021163.1	Ca_kabuli_chr04	22664798	TT	CC	1940284378
SNP_P1_62245_22664808	NC_021163.1	Ca_kabuli_chr04	22664808	AA	CC	1940284379
SNP_P1_62246_22664810	NC_021163.1	Ca_kabuli_chr04	22664810	TT	AA	1940284380
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SNP_P1_62255_22667794	NC_021163.1	Ca_kabuli_chr04	22667794	TT	GG	1940284387
SNP_P1_62256_22667797	NC_021163.1	Ca_kabuli_chr04	22667797	AA	GG	1940284388
SNP_P1_62257_22668226	NC_021163.1	Ca_kabuli_chr04	22668226	TT	CC	1940284389
SNP_P1_62258_22668584	NC_021163.1	Ca_kabuli_chr04	22668584	AA	GG	1940284390
SNP_P1_62259_22668592	NC_021163.1	Ca_kabuli_chr04	22668592	CC	TT	1940284391
SNP_P1_62260_22669341	NC_021163.1	Ca_kabuli_chr04	22669341	TT	CC	1940284392
SNP_P1_62261_22669374	NC_021163.1	Ca_kabuli_chr04	22669374	GG	AA	1940284393
SNP_P1_62262_22669377	NC_021163.1	Ca_kabuli_chr04	22669377	CC	AA	1940284394
SNP_P1_62263_22669477	NC_021163.1	Ca_kabuli_chr04	22669477	AA	TT	1940284395
SNP_P1_62264_22669498	NC_021163.1	Ca_kabuli_chr04	22669498	CC	TT	1940284396
SNP_P1_62265_22669684	NC_021163.1	Ca_kabuli_chr04	22669684	TT	CC	1940284397
SNP_P1_62266_22669685	NC_021163.1	Ca_kabuli_chr04	22669685	CC	AA	1940284398
SNP_P1_62267_22669686	NC_021163.1	Ca_kabuli_chr04	22669686	CC	AA	1940284399

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62269_22669815	NC_021163.1	Ca_kabuli_chr04	22669815	GG	TT	1940284401
SNP_P1_62270_22671023	NC_021163.1	Ca_kabuli_chr04	22671023	TT	CC	1940284402
SNP_P1_62271_22671153	NC_021163.1	Ca_kabuli_chr04	22671153	AA	GG	1940284403
SNP_P1_62272_22671309	NC_021163.1	Ca_kabuli_chr04	22671309	CC	TT	1940284404
SNP_P1_62273_22671373	NC_021163.1	Ca_kabuli_chr04	22671373	AA	GG	1940284405
SNP_P1_62274_22673024	NC_021163.1	Ca_kabuli_chr04	22673024	GG	TT	1940284406
SNP_P1_62276_22675452	NC_021163.1	Ca_kabuli_chr04	22675452	AA	GG	1940284407
SNP_P1_62278_22675756	NC_021163.1	Ca_kabuli_chr04	22675756	TT	AA	1940284408
SNP_P1_62279_22676018	NC_021163.1	Ca_kabuli_chr04	22676018	TT	AA	1940284409
SNP_P1_62280_22676122	NC_021163.1	Ca_kabuli_chr04	22676122	CC	AA	1940284410
SNP_P1_62281_22676293	NC_021163.1	Ca_kabuli_chr04	22676293	GG	AA	1940284411
SNP_P1_62282_22676346	NC_021163.1	Ca_kabuli_chr04	22676346	GG	CC	1940284412
SNP_P1_62283_22676920	NC_021163.1	Ca_kabuli_chr04	22676920	GG	AA	1940284413
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SNP_P1_62285_22677167	NC_021163.1	Ca_kabuli_chr04	22677167	CC	TT	1940284415
SNP_P1_62286_22677179	NC_021163.1	Ca_kabuli_chr04	22677179	AA	GG	1940284416
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SNP_P1_62290_22677355	NC_021163.1	Ca_kabuli_chr04	22677355	CC	GG	1940284420
SNP_P1_62291_22677365	NC_021163.1	Ca_kabuli_chr04	22677365	TT	CC	1940284421
SNP_P1_62292_22677397	NC_021163.1	Ca_kabuli_chr04	22677397	AA	GG	1940284422
SNP_P1_62293_22677518	NC_021163.1	Ca_kabuli_chr04	22677518	CC	TT	1940284423
SNP_P1_62294_22677802	NC_021163.1	Ca_kabuli_chr04	22677802	CC	TT	1940284424
SNP_P1_62295_22678183	NC_021163.1	Ca_kabuli_chr04	22678183	GG	AA	1940284425
SNP_P1_62296_22678683	NC_021163.1	Ca_kabuli_chr04	22678683	TT	GG	1940284426
SNP_P1_62297_22678687	NC_021163.1	Ca_kabuli_chr04	22678687	AA	CC	1940284427
SNP_P1_62298_22678716	NC_021163.1	Ca_kabuli_chr04	22678716	AA	GG	1940284428
SNP_P1_62299_22679414	NC_021163.1	Ca_kabuli_chr04	22679414	TT	AA	1940284429
SNP_P1_62300_22679523	NC_021163.1	Ca_kabuli_chr04	22679523	AA	GG	1940284430
SNP_P1_62301_22679964	NC_021163.1	Ca_kabuli_chr04	22679964	AA	GG	1940284431
SNP_P1_62302_22680183	NC_021163.1	Ca_kabuli_chr04	22680183	AA	GG	1940284432
SNP_P1_62303_22680509	NC_021163.1	Ca_kabuli_chr04	22680509	AA	GG	1940284433
SNP_P1_62304_22680689	NC_021163.1	Ca_kabuli_chr04	22680689	AA	GG	1940284434
SNP_P1_62305_22680824	NC_021163.1	Ca_kabuli_chr04	22680824	AA	GG	1940284435
SNP_P1_62306_22681076	NC_021163.1	Ca_kabuli_chr04	22681076	TT	CC	1940284436
SNP_P1_62307_22681090	NC_021163.1	Ca_kabuli_chr04	22681090	AA	GG	1940284437
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SNP_P1_62309_22682088	NC_021163.1	Ca_kabuli_chr04	22682088	AA	GG	1940284439
SNP_P1_62310_22685467	NC_021163.1	Ca_kabuli_chr04	22685467	AA	GG	1940284440
SNP_P1_62311_22685522	NC_021163.1	Ca_kabuli_chr04	22685522	TT	CC	1940284441

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62313_22685858	NC_021163.1	Ca_kabuli_chr04	22685858	TT	CC	1940284443
SNP_P1_62315_22685943	NC_021163.1	Ca_kabuli_chr04	22685943	AA	CC	1940284444
SNP_P1_62316_22686019	NC_021163.1	Ca_kabuli_chr04	22686019	CC	TT	1940284445
SNP_P1_62317_22686672	NC_021163.1	Ca_kabuli_chr04	22686672	TT	CC	1940284446
SNP_P1_62318_22686673	NC_021163.1	Ca_kabuli_chr04	22686673	GG	AA	1940284447
SNP_P1_62319_22686686	NC_021163.1	Ca_kabuli_chr04	22686686	AA	TT	1940284448
SNP_P1_62320_22695278	NC_021163.1	Ca_kabuli_chr04	22695278	TT	CC	1940284449
SNP_P1_62321_22695601	NC_021163.1	Ca_kabuli_chr04	22695601	AA	GG	1940284450
SNP_P1_62322_22695632	NC_021163.1	Ca_kabuli_chr04	22695632	GG	TT	1940284451
SNP_P1_62324_22696087	NC_021163.1	Ca_kabuli_chr04	22696087	AA	GG	1940284452
SNP_P1_62325_22697377	NC_021163.1	Ca_kabuli_chr04	22697377	CC	AA	1940284453
SNP_P1_62326_22698006	NC_021163.1	Ca_kabuli_chr04	22698006	TT	CC	1940284454
SNP_P1_62327_22700289	NC_021163.1	Ca_kabuli_chr04	22700289	AA	GG	1940284455
SNP_P1_62328_22700297	NC_021163.1	Ca_kabuli_chr04	22700297	AA	CC	1940284456
SNP_P1_62329_22700474	NC_021163.1	Ca_kabuli_chr04	22700474	AA	CC	1940284457
SNP_P1_62330_22700627	NC_021163.1	Ca_kabuli_chr04	22700627	AA	GG	1940284458
SNP_P1_62331_22700669	NC_021163.1	Ca_kabuli_chr04	22700669	TT	GG	1940284459
SNP_P1_62332_22700678	NC_021163.1	Ca_kabuli_chr04	22700678	AA	GG	1940284460
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SNP_P1_62339_22701205	NC_021163.1	Ca_kabuli_chr04	22701205	TT	CC	1940284467
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SNP_P1_62346_22703200	NC_021163.1	Ca_kabuli_chr04	22703200	CC	TT	1940284470
SNP_P1_62347_22703225	NC_021163.1	Ca_kabuli_chr04	22703225	CC	TT	1940284471
SNP_P1_62348_22703496	NC_021163.1	Ca_kabuli_chr04	22703496	CC	TT	1940284472
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SNP_P1_62350_22703797	NC_021163.1	Ca_kabuli_chr04	22703797	TT	CC	1940284474
SNP_P1_62351_22704061	NC_021163.1	Ca_kabuli_chr04	22704061	AA	TT	1940284475
SNP_P1_62352_22704323	NC_021163.1	Ca_kabuli_chr04	22704323	TT	CC	1940284476
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SNP_P1_62357_22706347	NC_021163.1	Ca_kabuli_chr04	22706347	CC	GG	1940284481
SNP_P1_62359_22707882	NC_021163.1	Ca_kabuli_chr04	22707882	GG	AA	1940284482
SNP_P1_62361_22717018	NC_021163.1	Ca_kabuli_chr04	22717018	AA	GG	1940284483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62364_22719087	NC_021163.1	Ca_kabuli_chr04	22719087	GG	AA	1940284486
SNP_P1_62365_22719162	NC_021163.1	Ca_kabuli_chr04	22719162	TT	CC	1940284487
SNP_P1_62368_22719789	NC_021163.1	Ca_kabuli_chr04	22719789	GG	AA	1940284488
SNP_P1_62369_22720210	NC_021163.1	Ca_kabuli_chr04	22720210	AA	GG	1940284489
SNP_P1_62370_22723774	NC_021163.1	Ca_kabuli_chr04	22723774	AA	TT	1940284490
SNP_P1_62372_22724028	NC_021163.1	Ca_kabuli_chr04	22724028	GG	CC	1940284491
SNP_P1_62373_22724089	NC_021163.1	Ca_kabuli_chr04	22724089	AA	TT	1940284492
SNP_P1_62374_22724384	NC_021163.1	Ca_kabuli_chr04	22724384	AA	GG	1940284493
SNP_P1_62375_22724608	NC_021163.1	Ca_kabuli_chr04	22724608	TT	AA	1940284494
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SNP_P1_62378_22726592	NC_021163.1	Ca_kabuli_chr04	22726592	GG	AA	1940284497
SNP_P1_62379_22727787	NC_021163.1	Ca_kabuli_chr04	22727787	AA	GG	1940284498
SNP_P1_62380_22727821	NC_021163.1	Ca_kabuli_chr04	22727821	GG	TT	1940284499
SNP_P1_62382_22727895	NC_021163.1	Ca_kabuli_chr04	22727895	TT	CC	1940284500
SNP_P1_62384_22728115	NC_021163.1	Ca_kabuli_chr04	22728115	GG	AA	1940284501
SNP_P1_62385_22730920	NC_021163.1	Ca_kabuli_chr04	22730920	AA	GG	1940284502
SNP_P1_62386_22731313	NC_021163.1	Ca_kabuli_chr04	22731313	CC	TT	1940284503
SNP_P1_62387_22732219	NC_021163.1	Ca_kabuli_chr04	22732219	TT	GG	1940284504
SNP_P1_62388_22732229	NC_021163.1	Ca_kabuli_chr04	22732229	CC	TT	1940284505
SNP_P1_62389_22732570	NC_021163.1	Ca_kabuli_chr04	22732570	AA	TT	1940284506
SNP_P1_62390_22734367	NC_021163.1	Ca_kabuli_chr04	22734367	GG	AA	1940284507
SNP_P1_62392_22735823	NC_021163.1	Ca_kabuli_chr04	22735823	GG	AA	1940284508
SNP_P1_62393_22735851	NC_021163.1	Ca_kabuli_chr04	22735851	TT	CC	1940284509
SNP_P1_62394_22735882	NC_021163.1	Ca_kabuli_chr04	22735882	GG	AA	1940284510
SNP_P1_62395_22735883	NC_021163.1	Ca_kabuli_chr04	22735883	AA	GG	1940284511
SNP_P1_62396_22736047	NC_021163.1	Ca_kabuli_chr04	22736047	GG	AA	1940284512
SNP_P1_62397_22736536	NC_021163.1	Ca_kabuli_chr04	22736536	CC	TT	1940284513
SNP_P1_62398_22736581	NC_021163.1	Ca_kabuli_chr04	22736581	CC	TT	1940284514
SNP_P1_62399_22736613	NC_021163.1	Ca_kabuli_chr04	22736613	TT	GG	1940284515
SNP_P1_62400_22738109	NC_021163.1	Ca_kabuli_chr04	22738109	TT	CC	1940284516
SNP_P1_62401_22738121	NC_021163.1	Ca_kabuli_chr04	22738121	GG	AA	1940284517
SNP_P1_62402_22738281	NC_021163.1	Ca_kabuli_chr04	22738281	AA	GG	1940284518
SNP_P1_62403_22738412	NC_021163.1	Ca_kabuli_chr04	22738412	AA	GG	1940284519
SNP_P1_62404_22738680	NC_021163.1	Ca_kabuli_chr04	22738680	TT	CC	1940284520
SNP_P1_62405_22741352	NC_021163.1	Ca_kabuli_chr04	22741352	GG	AA	1940284521
SNP_P1_62406_22744570	NC_021163.1	Ca_kabuli_chr04	22744570	CC	TT	1940284522
SNP_P1_62407_22744600	NC_021163.1	Ca_kabuli_chr04	22744600	CC	TT	1940284523
SNP_P1_62410_22746166	NC_021163.1	Ca_kabuli_chr04	22746166	AA	GG	1940284524
SNP_P1_62411_22746180	NC_021163.1	Ca_kabuli_chr04	22746180	GG	CC	1940284525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62414_22747830	NC_021163.1	Ca_kabuli_chr04	22747830	GG	AA	1940284528
SNP_P1_62415_22748255	NC_021163.1	Ca_kabuli_chr04	22748255	TT	GG	1940284529
SNP_P1_62416_22748270	NC_021163.1	Ca_kabuli_chr04	22748270	AA	GG	1940284530
SNP_P1_62417_22748295	NC_021163.1	Ca_kabuli_chr04	22748295	CC	AA	1940284531
SNP_P1_62418_22748300	NC_021163.1	Ca_kabuli_chr04	22748300	CC	TT	1940284532
SNP_P1_62419_22748593	NC_021163.1	Ca_kabuli_chr04	22748593	AA	CC	1940284533
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SNP_P1_62421_22748656	NC_021163.1	Ca_kabuli_chr04	22748656	AA	CC	1940284535
SNP_P1_62422_22748757	NC_021163.1	Ca_kabuli_chr04	22748757	AA	GG	1940284536
SNP_P1_62423_22748826	NC_021163.1	Ca_kabuli_chr04	22748826	CC	TT	1940284537
SNP_P1_62426_22749275	NC_021163.1	Ca_kabuli_chr04	22749275	TT	CC	1940284538
SNP_P1_62427_22749967	NC_021163.1	Ca_kabuli_chr04	22749967	GG	TT	1940284539
SNP_P1_62428_22750176	NC_021163.1	Ca_kabuli_chr04	22750176	AA	GG	1940284540
SNP_P1_62429_22750249	NC_021163.1	Ca_kabuli_chr04	22750249	TT	CC	1940284541
SNP_P1_62430_22750251	NC_021163.1	Ca_kabuli_chr04	22750251	TT	AA	1940284542
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SNP_P1_62432_22750324	NC_021163.1	Ca_kabuli_chr04	22750324	AA	TT	1940284544
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SNP_P1_62437_22751228	NC_021163.1	Ca_kabuli_chr04	22751228	AA	GG	1940284548
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SNP_P1_62444_22754641	NC_021163.1	Ca_kabuli_chr04	22754641	GG	CC	1940284555
SNP_P1_62445_22755069	NC_021163.1	Ca_kabuli_chr04	22755069	TT	CC	1940284556
SNP_P1_62446_22755079	NC_021163.1	Ca_kabuli_chr04	22755079	GG	AA	1940284557
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SNP_P1_62451_22755330	NC_021163.1	Ca_kabuli_chr04	22755330	GG	AA	1940284560
SNP_P1_62452_22755397	NC_021163.1	Ca_kabuli_chr04	22755397	AA	CC	1940284561
SNP_P1_62453_22755547	NC_021163.1	Ca_kabuli_chr04	22755547	GG	AA	1940284562
SNP_P1_62454_22757744	NC_021163.1	Ca_kabuli_chr04	22757744	TT	GG	1940284563
SNP_P1_62455_22758040	NC_021163.1	Ca_kabuli_chr04	22758040	GG	AA	1940284564
SNP_P1_62456_22758130	NC_021163.1	Ca_kabuli_chr04	22758130	CC	AA	1940284565
SNP_P1_62457_22758135	NC_021163.1	Ca_kabuli_chr04	22758135	GG	TT	1940284566
SNP_P1_62458_22758173	NC_021163.1	Ca_kabuli_chr04	22758173	GG	TT	1940284567

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62461_22758427	NC_021163.1	Ca_kabuli_chr04	22758427	TT	CC	1940284570
SNP_P1_62462_22758608	NC_021163.1	Ca_kabuli_chr04	22758608	CC	AA	1940284571
SNP_P1_62463_22759468	NC_021163.1	Ca_kabuli_chr04	22759468	AA	GG	1940284572
SNP_P1_62464_22759596	NC_021163.1	Ca_kabuli_chr04	22759596	GG	CC	1940284573
SNP_P1_62465_22759733	NC_021163.1	Ca_kabuli_chr04	22759733	TT	CC	1940284574
SNP_P1_62466_22759822	NC_021163.1	Ca_kabuli_chr04	22759822	AA	GG	1940284575
SNP_P1_62467_22759843	NC_021163.1	Ca_kabuli_chr04	22759843	GG	AA	1940284576
SNP_P1_62468_22761952	NC_021163.1	Ca_kabuli_chr04	22761952	AA	CC	1940284577
SNP_P1_62469_22762280	NC_021163.1	Ca_kabuli_chr04	22762280	GG	AA	1940284578
SNP_P1_62470_22762287	NC_021163.1	Ca_kabuli_chr04	22762287	AA	GG	1940284579
SNP_P1_62471_22762305	NC_021163.1	Ca_kabuli_chr04	22762305	AA	CC	1940284580
SNP_P1_62472_22762378	NC_021163.1	Ca_kabuli_chr04	22762378	AA	GG	1940284581
SNP_P1_62473_22762799	NC_021163.1	Ca_kabuli_chr04	22762799	TT	CC	1940284582
SNP_P1_62474_22763389	NC_021163.1	Ca_kabuli_chr04	22763389	CC	TT	1940284583
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SNP_P1_62481_22764814	NC_021163.1	Ca_kabuli_chr04	22764814	GG	AA	1940284589
SNP_P1_62482_22764850	NC_021163.1	Ca_kabuli_chr04	22764850	AA	GG	1940284590
SNP_P1_62483_22765100	NC_021163.1	Ca_kabuli_chr04	22765100	AA	GG	1940284591
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SNP_P1_62492_22766520	NC_021163.1	Ca_kabuli_chr04	22766520	AA	TT	1940284595
SNP_P1_62493_22766521	NC_021163.1	Ca_kabuli_chr04	22766521	AA	TT	1940284596
SNP_P1_62494_22766556	NC_021163.1	Ca_kabuli_chr04	22766556	CC	AA	1940284597
SNP_P1_62495_22766599	NC_021163.1	Ca_kabuli_chr04	22766599	AA	TT	1940284598
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SNP_P1_62497_22766611	NC_021163.1	Ca_kabuli_chr04	22766611	TT	GG	1940284600
SNP_P1_62498_22766626	NC_021163.1	Ca_kabuli_chr04	22766626	TT	CC	1940284601
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SNP_P1_62502_22766889	NC_021163.1	Ca_kabuli_chr04	22766889	AA	GG	1940284604
SNP_P1_62503_22767001	NC_021163.1	Ca_kabuli_chr04	22767001	GG	TT	1940284605
SNP_P1_62505_22767399	NC_021163.1	Ca_kabuli_chr04	22767399	CC	TT	1940284606
SNP_P1_62506_22767402	NC_021163.1	Ca_kabuli_chr04	22767402	AA	GG	1940284607
SNP_P1_62507_22767701	NC_021163.1	Ca_kabuli_chr04	22767701	GG	AA	1940284608
SNP_P1_62508_22767863	NC_021163.1	Ca_kabuli_chr04	22767863	GG	AA	1940284609

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62512_22768168	NC_021163.1	Ca_kabuli_chr04	22768168	CC	GG	1940284613
SNP_P1_62513_22770837	NC_021163.1	Ca_kabuli_chr04	22770837	GG	AA	1940284614
SNP_P1_62514_22774251	NC_021163.1	Ca_kabuli_chr04	22774251	AA	GG	1940284615
SNP_P1_62515_22774521	NC_021163.1	Ca_kabuli_chr04	22774521	AA	GG	1940284616
SNP_P1_62516_22774651	NC_021163.1	Ca_kabuli_chr04	22774651	GG	AA	1940284617
SNP_P1_62517_22775092	NC_021163.1	Ca_kabuli_chr04	22775092	AA	TT	1940284618
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SNP_P1_62522_22783222	NC_021163.1	Ca_kabuli_chr04	22783222	CC	TT	1940284622
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SNP_P1_62527_22785398	NC_021163.1	Ca_kabuli_chr04	22785398	TT	CC	1940284626
SNP_P1_62528_22785410	NC_021163.1	Ca_kabuli_chr04	22785410	CC	TT	1940284627
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SNP_P1_62542_22794488	NC_021163.1	Ca_kabuli_chr04	22794488	AA	TT	1940284638
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SNP_P1_62555_22798904	NC_021163.1	Ca_kabuli_chr04	22798904	GG	AA	1940284651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62593_22818218	NC_021163.1	Ca_kabuli_chr04	22818218	TT	CC	1940284683
SNP_P1_62595_22818540	NC_021163.1	Ca_kabuli_chr04	22818540	AA	CC	1940284684
SNP_P1_62596_22818616	NC_021163.1	Ca_kabuli_chr04	22818616	TT	CC	1940284685
SNP_P1_62597_22818638	NC_021163.1	Ca_kabuli_chr04	22818638	CC	TT	1940284686
SNP_P1_62598_22818647	NC_021163.1	Ca_kabuli_chr04	22818647	TT	CC	1940284687
SNP_P1_62599_22818678	NC_021163.1	Ca_kabuli_chr04	22818678	CC	TT	1940284688
SNP_P1_62600_22818697	NC_021163.1	Ca_kabuli_chr04	22818697	CC	TT	1940284689
SNP_P1_62601_22818856	NC_021163.1	Ca_kabuli_chr04	22818856	AA	GG	1940284690
SNP_P1_62602_22818857	NC_021163.1	Ca_kabuli_chr04	22818857	TT	CC	1940284691
SNP_P1_62603_22818868	NC_021163.1	Ca_kabuli_chr04	22818868	CC	AA	1940284692
SNP_P1_62604_22818896	NC_021163.1	Ca_kabuli_chr04	22818896	TT	GG	1940284693

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_62605_22818908	NC_021163.1	Ca_kabuli_chr04	22818908	AA	GG	1940284694
SNP_P1_62606_22818973	NC_021163.1	Ca_kabuli_chr04	22818973	TT	GG	1940284695
SNP_P1_62607_22818995	NC_021163.1	Ca_kabuli_chr04	22818995	AA	GG	1940284696
SNP_P1_62608_22819012	NC_021163.1	Ca_kabuli_chr04	22819012	CC	GG	1940284697
SNP_P1_62609_22819020	NC_021163.1	Ca_kabuli_chr04	22819020	GG	AA	1940284698
SNP_P1_62610_22819046	NC_021163.1	Ca_kabuli_chr04	22819046	CC	AA	1940284699
SNP_P1_62611_22819095	NC_021163.1	Ca_kabuli_chr04	22819095	AA	TT	1940284700
SNP_P1_62612_22819105	NC_021163.1	Ca_kabuli_chr04	22819105	AA	CC	1940284701
SNP_P1_62614_22819222	NC_021163.1	Ca_kabuli_chr04	22819222	GG	AA	1940284702
SNP_P1_62615_22819252	NC_021163.1	Ca_kabuli_chr04	22819252	TT	CC	1940284703
SNP_P1_62616_22819258	NC_021163.1	Ca_kabuli_chr04	22819258	CC	AA	1940284704
SNP_P1_62617_22819269	NC_021163.1	Ca_kabuli_chr04	22819269	AA	GG	1940284705
SNP_P1_62618_22819322	NC_021163.1	Ca_kabuli_chr04	22819322	CC	TT	1940284706
SNP_P1_62619_22820479	NC_021163.1	Ca_kabuli_chr04	22820479	TT	CC	1940284707
SNP_P1_62620_22820632	NC_021163.1	Ca_kabuli_chr04	22820632	GG	TT	1940284708
SNP_P1_62621_22820999	NC_021163.1	Ca_kabuli_chr04	22820999	AA	TT	1940284709
SNP_P1_62622_22821002	NC_021163.1	Ca_kabuli_chr04	22821002	TT	CC	1940284710
SNP_P1_62623_22821014	NC_021163.1	Ca_kabuli_chr04	22821014	AA	GG	1940284711
SNP_P1_62624_22821248	NC_021163.1	Ca_kabuli_chr04	22821248	CC	GG	1940284712
SNP_P1_62625_22821274	NC_021163.1	Ca_kabuli_chr04	22821274	CC	TT	1940284713
SNP_P1_62626_22821294	NC_021163.1	Ca_kabuli_chr04	22821294	GG	AA	1940284714
SNP_P1_62627_22821406	NC_021163.1	Ca_kabuli_chr04	22821406	TT	AA	1940284715
SNP_P1_62628_22821454	NC_021163.1	Ca_kabuli_chr04	22821454	AA	GG	1940284716
SNP_P1_62629_22821923	NC_021163.1	Ca_kabuli_chr04	22821923	AA	GG	1940284717
SNP_P1_62630_22821951	NC_021163.1	Ca_kabuli_chr04	22821951	CC	TT	1940284718
SNP_P1_62631_22821964	NC_021163.1	Ca_kabuli_chr04	22821964	GG	AA	1940284719
SNP_P1_62632_22822408	NC_021163.1	Ca_kabuli_chr04	22822408	AA	GG	1940284720
SNP_P1_62633_22822424	NC_021163.1	Ca_kabuli_chr04	22822424	AA	GG	1940284721
SNP_P1_62634_22822428	NC_021163.1	Ca_kabuli_chr04	22822428	AA	TT	1940284722
SNP_P1_62635_22822429	NC_021163.1	Ca_kabuli_chr04	22822429	AA	TT	1940284723
SNP_P1_62636_22822609	NC_021163.1	Ca_kabuli_chr04	22822609	GG	AA	1940284724
SNP_P1_62638_22822781	NC_021163.1	Ca_kabuli_chr04	22822781	GG	AA	1940284725
SNP_P1_62639_22823376	NC_021163.1	Ca_kabuli_chr04	22823376	GG	TT	1940284726
SNP_P1_62642_22824380	NC_021163.1	Ca_kabuli_chr04	22824380	TT	GG	1940284727
SNP_P1_62644_22824435	NC_021163.1	Ca_kabuli_chr04	22824435	CC	TT	1940284728
SNP_P1_62646_22824499	NC_021163.1	Ca_kabuli_chr04	22824499	GG	AA	1940284729
SNP_P1_62647_22824506	NC_021163.1	Ca_kabuli_chr04	22824506	CC	TT	1940284730
SNP_P1_62648_22824527	NC_021163.1	Ca_kabuli_chr04	22824527	AA	GG	1940284731
SNP_P1_62649_22824661	NC_021163.1	Ca_kabuli_chr04	22824661	AA	GG	1940284732
SNP_P1_62650_22824892	NC_021163.1	Ca_kabuli_chr04	22824892	GG	TT	1940284733
SNP_P1_62651_22824924	NC_021163.1	Ca_kabuli_chr04	22824924	TT	CC	1940284734
SNP_P1_62652_22825010	NC_021163.1	Ca_kabuli_chr04	22825010	CC	AA	1940284735

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62656_22825111	NC_021163.1	Ca_kabuli_chr04	22825111	AA	GG	1940284738
SNP_P1_62657_22825169	NC_021163.1	Ca_kabuli_chr04	22825169	AA	TT	1940284739
SNP_P1_62658_22825816	NC_021163.1	Ca_kabuli_chr04	22825816	AA	TT	1940284740
SNP_P1_62659_22827300	NC_021163.1	Ca_kabuli_chr04	22827300	CC	TT	1940284741
SNP_P1_62660_22832972	NC_021163.1	Ca_kabuli_chr04	22832972	AA	GG	1940284742
SNP_P1_62661_22833560	NC_021163.1	Ca_kabuli_chr04	22833560	GG	AA	1940284743
SNP_P1_62662_22836522	NC_021163.1	Ca_kabuli_chr04	22836522	CC	AA	1940284744
SNP_P1_62663_22837072	NC_021163.1	Ca_kabuli_chr04	22837072	AA	CC	1940284745
SNP_P1_62664_22837108	NC_021163.1	Ca_kabuli_chr04	22837108	CC	TT	1940284746
SNP_P1_62666_22837348	NC_021163.1	Ca_kabuli_chr04	22837348	CC	TT	1940284747
SNP_P1_62670_22838016	NC_021163.1	Ca_kabuli_chr04	22838016	AA	GG	1940284748
SNP_P1_62671_22838122	NC_021163.1	Ca_kabuli_chr04	22838122	GG	AA	1940284749
SNP_P1_62672_22847596	NC_021163.1	Ca_kabuli_chr04	22847596	TT	GG	1940284750
SNP_P1_62673_22847609	NC_021163.1	Ca_kabuli_chr04	22847609	GG	TT	1940284751
SNP_P1_62674_22847615	NC_021163.1	Ca_kabuli_chr04	22847615	TT	AA	1940284752
SNP_P1_62675_22848597	NC_021163.1	Ca_kabuli_chr04	22848597	TT	CC	1940284753
SNP_P1_62676_22848798	NC_021163.1	Ca_kabuli_chr04	22848798	TT	CC	1940284754
SNP_P1_62678_22849025	NC_021163.1	Ca_kabuli_chr04	22849025	GG	AA	1940284755
SNP_P1_62680_22851952	NC_021163.1	Ca_kabuli_chr04	22851952	AA	CC	1940284756
SNP_P1_62681_22852246	NC_021163.1	Ca_kabuli_chr04	22852246	TT	GG	1940284757
SNP_P1_62682_22853938	NC_021163.1	Ca_kabuli_chr04	22853938	CC	TT	1940284758
SNP_P1_62683_22853960	NC_021163.1	Ca_kabuli_chr04	22853960	AA	GG	1940284759
SNP_P1_62686_22856629	NC_021163.1	Ca_kabuli_chr04	22856629	AA	TT	1940284760
SNP_P1_62688_22856723	NC_021163.1	Ca_kabuli_chr04	22856723	GG	CC	1940284761
SNP_P1_62689_22856904	NC_021163.1	Ca_kabuli_chr04	22856904	TT	CC	1940284762
SNP_P1_62690_22862791	NC_021163.1	Ca_kabuli_chr04	22862791	CC	TT	1940284763
SNP_P1_62691_22863376	NC_021163.1	Ca_kabuli_chr04	22863376	GG	TT	1940284764
SNP_P1_62692_22864182	NC_021163.1	Ca_kabuli_chr04	22864182	GG	AA	1940284765
SNP_P1_62695_22867170	NC_021163.1	Ca_kabuli_chr04	22867170	TT	AA	1940284766
SNP_P1_62698_22870155	NC_021163.1	Ca_kabuli_chr04	22870155	TT	CC	1940284767
SNP_P1_62699_22870184	NC_021163.1	Ca_kabuli_chr04	22870184	CC	TT	1940284768
SNP_P1_62700_22870412	NC_021163.1	Ca_kabuli_chr04	22870412	AA	GG	1940284769
SNP_P1_62701_22870431	NC_021163.1	Ca_kabuli_chr04	22870431	GG	AA	1940284770
SNP_P1_62702_22870534	NC_021163.1	Ca_kabuli_chr04	22870534	TT	AA	1940284771
SNP_P1_62703_22870624	NC_021163.1	Ca_kabuli_chr04	22870624	AA	CC	1940284772
SNP_P1_62704_22870642	NC_021163.1	Ca_kabuli_chr04	22870642	CC	TT	1940284773
SNP_P1_62705_22870655	NC_021163.1	Ca_kabuli_chr04	22870655	GG	AA	1940284774
SNP_P1_62706_22875354	NC_021163.1	Ca_kabuli_chr04	22875354	TT	CC	1940284775
SNP_P1_62707_22875382	NC_021163.1	Ca_kabuli_chr04	22875382	GG	AA	1940284776
SNP_P1_62708_22875387	NC_021163.1	Ca_kabuli_chr04	22875387	TT	GG	1940284777

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62710_22875644	NC_021163.1	Ca_kabuli_chr04	22875644	CC	TT	1940284779
SNP_P1_62711_22875696	NC_021163.1	Ca_kabuli_chr04	22875696	AA	TT	1940284780
SNP_P1_62712_22876810	NC_021163.1	Ca_kabuli_chr04	22876810	GG	AA	1940284781
SNP_P1_62713_22876816	NC_021163.1	Ca_kabuli_chr04	22876816	TT	GG	1940284782
SNP_P1_62714_22876820	NC_021163.1	Ca_kabuli_chr04	22876820	AA	GG	1940284783
SNP_P1_62715_22878973	NC_021163.1	Ca_kabuli_chr04	22878973	TT	CC	1940284784
SNP_P1_62716_22878985	NC_021163.1	Ca_kabuli_chr04	22878985	TT	GG	1940284785
SNP_P1_62717_22879225	NC_021163.1	Ca_kabuli_chr04	22879225	CC	AA	1940284786
SNP_P1_62718_22879996	NC_021163.1	Ca_kabuli_chr04	22879996	GG	AA	1940284787
SNP_P1_62719_22880167	NC_021163.1	Ca_kabuli_chr04	22880167	CC	TT	1940284788
SNP_P1_62720_22880412	NC_021163.1	Ca_kabuli_chr04	22880412	AA	TT	1940284789
SNP_P1_62721_22880449	NC_021163.1	Ca_kabuli_chr04	22880449	AA	GG	1940284790
SNP_P1_62722_22882884	NC_021163.1	Ca_kabuli_chr04	22882884	TT	CC	1940284791
SNP_P1_62723_22883317	NC_021163.1	Ca_kabuli_chr04	22883317	GG	AA	1940284792
SNP_P1_62724_22883412	NC_021163.1	Ca_kabuli_chr04	22883412	AA	GG	1940284793
SNP_P1_62725_22883493	NC_021163.1	Ca_kabuli_chr04	22883493	GG	AA	1940284794
SNP_P1_62726_22883674	NC_021163.1	Ca_kabuli_chr04	22883674	GG	TT	1940284795
SNP_P1_62728_22884748	NC_021163.1	Ca_kabuli_chr04	22884748	GG	CC	1940284796
SNP_P1_62729_22886429	NC_021163.1	Ca_kabuli_chr04	22886429	TT	CC	1940284797
SNP_P1_62730_22886469	NC_021163.1	Ca_kabuli_chr04	22886469	CC	TT	1940284798
SNP_P1_62731_22889612	NC_021163.1	Ca_kabuli_chr04	22889612	CC	AA	1940284799
SNP_P1_62733_22890028	NC_021163.1	Ca_kabuli_chr04	22890028	AA	TT	1940284800
SNP_P1_62734_22890062	NC_021163.1	Ca_kabuli_chr04	22890062	AA	GG	1940284801
SNP_P1_62735_22890107	NC_021163.1	Ca_kabuli_chr04	22890107	AA	GG	1940284802
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SNP_P1_62737_22890842	NC_021163.1	Ca_kabuli_chr04	22890842	GG	AA	1940284804
SNP_P1_62738_22890854	NC_021163.1	Ca_kabuli_chr04	22890854	AA	GG	1940284805
SNP_P1_62740_22891751	NC_021163.1	Ca_kabuli_chr04	22891751	TT	GG	1940284806
SNP_P1_62741_22892827	NC_021163.1	Ca_kabuli_chr04	22892827	TT	AA	1940284807
SNP_P1_62742_22892828	NC_021163.1	Ca_kabuli_chr04	22892828	TT	AA	1940284808
SNP_P1_62743_22894545	NC_021163.1	Ca_kabuli_chr04	22894545	AA	TT	1940284809
SNP_P1_62744_22894592	NC_021163.1	Ca_kabuli_chr04	22894592	TT	GG	1940284810
SNP_P1_62745_22894835	NC_021163.1	Ca_kabuli_chr04	22894835	TT	AA	1940284811
SNP_P1_62746_22896020	NC_021163.1	Ca_kabuli_chr04	22896020	AA	GG	1940284812
SNP_P1_62747_22896684	NC_021163.1	Ca_kabuli_chr04	22896684	AA	TT	1940284813
SNP_P1_62749_22896859	NC_021163.1	Ca_kabuli_chr04	22896859	TT	GG	1940284814
SNP_P1_62753_22899226	NC_021163.1	Ca_kabuli_chr04	22899226	AA	GG	1940284815
SNP_P1_62754_22900571	NC_021163.1	Ca_kabuli_chr04	22900571	AA	CC	1940284816
SNP_P1_62755_22900812	NC_021163.1	Ca_kabuli_chr04	22900812	AA	GG	1940284817
SNP_P1_62756_22900814	NC_021163.1	Ca_kabuli_chr04	22900814	TT	AA	1940284818
SNP_P1_62757_22900853	NC_021163.1	Ca_kabuli_chr04	22900853	TT	GG	1940284819

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62760_22901184	NC_021163.1	Ca_kabuli_chr04	22901184	CC	TT	1940284822
SNP_P1_62761_22901925	NC_021163.1	Ca_kabuli_chr04	22901925	AA	GG	1940284823
SNP_P1_62763_22901978	NC_021163.1	Ca_kabuli_chr04	22901978	CC	AA	1940284824
SNP_P1_62764_22901997	NC_021163.1	Ca_kabuli_chr04	22901997	AA	GG	1940284825
SNP_P1_62765_22902346	NC_021163.1	Ca_kabuli_chr04	22902346	TT	AA	1940284826
SNP_P1_62766_22902373	NC_021163.1	Ca_kabuli_chr04	22902373	CC	GG	1940284827
SNP_P1_62767_22902384	NC_021163.1	Ca_kabuli_chr04	22902384	CC	AA	1940284828
SNP_P1_62768_22902420	NC_021163.1	Ca_kabuli_chr04	22902420	GG	AA	1940284829
SNP_P1_62769_22902908	NC_021163.1	Ca_kabuli_chr04	22902908	AA	GG	1940284830
SNP_P1_62770_22904600	NC_021163.1	Ca_kabuli_chr04	22904600	AA	GG	1940284831
SNP_P1_62771_22906058	NC_021163.1	Ca_kabuli_chr04	22906058	GG	AA	1940284832
SNP_P1_62772_22906083	NC_021163.1	Ca_kabuli_chr04	22906083	AA	GG	1940284833
SNP_P1_62773_22906088	NC_021163.1	Ca_kabuli_chr04	22906088	AA	GG	1940284834
SNP_P1_62774_22910179	NC_021163.1	Ca_kabuli_chr04	22910179	TT	CC	1940284835
SNP_P1_62778_22914142	NC_021163.1	Ca_kabuli_chr04	22914142	CC	TT	1940284836
SNP_P1_62779_22914149	NC_021163.1	Ca_kabuli_chr04	22914149	TT	GG	1940284837
SNP_P1_62780_22914293	NC_021163.1	Ca_kabuli_chr04	22914293	CC	TT	1940284838
SNP_P1_62782_22914628	NC_021163.1	Ca_kabuli_chr04	22914628	GG	TT	1940284839
SNP_P1_62783_22914633	NC_021163.1	Ca_kabuli_chr04	22914633	AA	GG	1940284840
SNP_P1_62784_22915147	NC_021163.1	Ca_kabuli_chr04	22915147	CC	TT	1940284841
SNP_P1_62785_22915319	NC_021163.1	Ca_kabuli_chr04	22915319	TT	CC	1940284842
SNP_P1_62786_22916663	NC_021163.1	Ca_kabuli_chr04	22916663	AA	GG	1940284843
SNP_P1_62787_22916782	NC_021163.1	Ca_kabuli_chr04	22916782	TT	CC	1940284844
SNP_P1_62788_22916839	NC_021163.1	Ca_kabuli_chr04	22916839	TT	GG	1940284845
SNP_P1_62789_22916967	NC_021163.1	Ca_kabuli_chr04	22916967	GG	AA	1940284846
SNP_P1_62790_22917030	NC_021163.1	Ca_kabuli_chr04	22917030	TT	AA	1940284847
SNP_P1_62791_22917327	NC_021163.1	Ca_kabuli_chr04	22917327	AA	GG	1940284848
SNP_P1_62792_22918487	NC_021163.1	Ca_kabuli_chr04	22918487	CC	TT	1940284849
SNP_P1_62793_22918498	NC_021163.1	Ca_kabuli_chr04	22918498	GG	AA	1940284850
SNP_P1_62795_22920834	NC_021163.1	Ca_kabuli_chr04	22920834	TT	CC	1940284851
SNP_P1_62797_22921556	NC_021163.1	Ca_kabuli_chr04	22921556	CC	AA	1940284852
SNP_P1_62798_22921641	NC_021163.1	Ca_kabuli_chr04	22921641	CC	TT	1940284853
SNP_P1_62799_22921678	NC_021163.1	Ca_kabuli_chr04	22921678	AA	GG	1940284854
SNP_P1_62801_22922705	NC_021163.1	Ca_kabuli_chr04	22922705	GG	AA	1940284855
SNP_P1_62802_22923913	NC_021163.1	Ca_kabuli_chr04	22923913	CC	AA	1940284856
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SNP_P1_62804_22924436	NC_021163.1	Ca_kabuli_chr04	22924436	TT	CC	1940284858
SNP_P1_62805_22924697	NC_021163.1	Ca_kabuli_chr04	22924697	TT	CC	1940284859
SNP_P1_62806_22925416	NC_021163.1	Ca_kabuli_chr04	22925416	GG	AA	1940284860
SNP_P1_62807_22925428	NC_021163.1	Ca_kabuli_chr04	22925428	CC	TT	1940284861

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62810_22925621	NC_021163.1	Ca_kabuli_chr04	22925621	AA	GG	1940284864
SNP_P1_62811_22926060	NC_021163.1	Ca_kabuli_chr04	22926060	TT	CC	1940284865
SNP_P1_62812_22931559	NC_021163.1	Ca_kabuli_chr04	22931559	TT	CC	1940284866
SNP_P1_62815_22934265	NC_021163.1	Ca_kabuli_chr04	22934265	CC	TT	1940284867
SNP_P1_62816_22934310	NC_021163.1	Ca_kabuli_chr04	22934310	TT	CC	1940284868
SNP_P1_62817_22934498	NC_021163.1	Ca_kabuli_chr04	22934498	TT	CC	1940284869
SNP_P1_62818_22934501	NC_021163.1	Ca_kabuli_chr04	22934501	AA	GG	1940284870
SNP_P1_62819_22934538	NC_021163.1	Ca_kabuli_chr04	22934538	TT	AA	1940284871
SNP_P1_62820_22934732	NC_021163.1	Ca_kabuli_chr04	22934732	CC	AA	1940284872
SNP_P1_62821_22934788	NC_021163.1	Ca_kabuli_chr04	22934788	CC	TT	1940284873
SNP_P1_62822_22934827	NC_021163.1	Ca_kabuli_chr04	22934827	AA	CC	1940284874
SNP_P1_62823_22935317	NC_021163.1	Ca_kabuli_chr04	22935317	AA	GG	1940284875
SNP_P1_62824_22935332	NC_021163.1	Ca_kabuli_chr04	22935332	CC	TT	1940284876
SNP_P1_62825_22936408	NC_021163.1	Ca_kabuli_chr04	22936408	CC	TT	1940284877
SNP_P1_62826_22936555	NC_021163.1	Ca_kabuli_chr04	22936555	TT	GG	1940284878
SNP_P1_62827_22937062	NC_021163.1	Ca_kabuli_chr04	22937062	TT	CC	1940284879
SNP_P1_62828_22937115	NC_021163.1	Ca_kabuli_chr04	22937115	GG	TT	1940284880
SNP_P1_62829_22937346	NC_021163.1	Ca_kabuli_chr04	22937346	TT	CC	1940284881
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SNP_P1_62833_22938738	NC_021163.1	Ca_kabuli_chr04	22938738	GG	AA	1940284884
SNP_P1_62834_22938903	NC_021163.1	Ca_kabuli_chr04	22938903	TT	AA	1940284885
SNP_P1_62835_22939045	NC_021163.1	Ca_kabuli_chr04	22939045	GG	AA	1940284886
SNP_P1_62836_22939071	NC_021163.1	Ca_kabuli_chr04	22939071	AA	GG	1940284887
SNP_P1_62837_22939099	NC_021163.1	Ca_kabuli_chr04	22939099	CC	GG	1940284888
SNP_P1_62838_22939108	NC_021163.1	Ca_kabuli_chr04	22939108	CC	TT	1940284889
SNP_P1_62839_22939148	NC_021163.1	Ca_kabuli_chr04	22939148	AA	GG	1940284890
SNP_P1_62840_22939401	NC_021163.1	Ca_kabuli_chr04	22939401	TT	AA	1940284891
SNP_P1_62841_22940144	NC_021163.1	Ca_kabuli_chr04	22940144	CC	TT	1940284892
SNP_P1_62842_22941091	NC_021163.1	Ca_kabuli_chr04	22941091	AA	CC	1940284893
SNP_P1_62843_22941098	NC_021163.1	Ca_kabuli_chr04	22941098	CC	TT	1940284894
SNP_P1_62844_22942418	NC_021163.1	Ca_kabuli_chr04	22942418	GG	AA	1940284895
SNP_P1_62846_22942597	NC_021163.1	Ca_kabuli_chr04	22942597	CC	AA	1940284896
SNP_P1_62847_22943447	NC_021163.1	Ca_kabuli_chr04	22943447	CC	TT	1940284897
SNP_P1_62848_22943465	NC_021163.1	Ca_kabuli_chr04	22943465	TT	GG	1940284898
SNP_P1_62849_22943494	NC_021163.1	Ca_kabuli_chr04	22943494	GG	AA	1940284899
SNP_P1_62850_22943582	NC_021163.1	Ca_kabuli_chr04	22943582	TT	CC	1940284900
SNP_P1_62851_22944989	NC_021163.1	Ca_kabuli_chr04	22944989	AA	GG	1940284901
SNP_P1_62852_22945261	NC_021163.1	Ca_kabuli_chr04	22945261	TT	CC	1940284902
SNP_P1_62853_22946182	NC_021163.1	Ca_kabuli_chr04	22946182	GG	AA	1940284903

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62856_22947094	NC_021163.1	Ca_kabuli_chr04	22947094	AA	GG	1940284906
SNP_P1_62857_22947877	NC_021163.1	Ca_kabuli_chr04	22947877	CC	TT	1940284908
SNP_P1_62858_22948060	NC_021163.1	Ca_kabuli_chr04	22948060	TT	GG	1940284909
SNP_P1_62859_22948107	NC_021163.1	Ca_kabuli_chr04	22948107	AA	GG	1940284912
SNP_P1_62860_22948916	NC_021163.1	Ca_kabuli_chr04	22948916	AA	TT	1940284913
SNP_P1_62861_22949000	NC_021163.1	Ca_kabuli_chr04	22949000	TT	CC	1940284915
SNP_P1_62862_22949251	NC_021163.1	Ca_kabuli_chr04	22949251	CC	TT	1940284916
SNP_P1_62863_22950675	NC_021163.1	Ca_kabuli_chr04	22950675	AA	GG	1940284917
SNP_P1_62864_22950834	NC_021163.1	Ca_kabuli_chr04	22950834	CC	TT	1940284919
SNP_P1_62865_22951081	NC_021163.1	Ca_kabuli_chr04	22951081	AA	GG	1940284920
SNP_P1_62866_22951175	NC_021163.1	Ca_kabuli_chr04	22951175	TT	AA	1940284921
SNP_P1_62867_22951273	NC_021163.1	Ca_kabuli_chr04	22951273	GG	AA	1940284923
SNP_P1_62868_22954122	NC_021163.1	Ca_kabuli_chr04	22954122	AA	GG	1940284924
SNP_P1_62869_22954492	NC_021163.1	Ca_kabuli_chr04	22954492	CC	TT	1940284926
SNP_P1_62870_22954498	NC_021163.1	Ca_kabuli_chr04	22954498	GG	AA	1940284928
SNP_P1_62873_22955370	NC_021163.1	Ca_kabuli_chr04	22955370	AA	TT	1940284929
SNP_P1_62874_22956729	NC_021163.1	Ca_kabuli_chr04	22956729	GG	AA	1940284930
SNP_P1_62875_22957628	NC_021163.1	Ca_kabuli_chr04	22957628	TT	CC	1940284931
SNP_P1_62876_22959956	NC_021163.1	Ca_kabuli_chr04	22959956	CC	TT	1940284933
SNP_P1_62877_22962754	NC_021163.1	Ca_kabuli_chr04	22962754	AA	GG	1940284934
SNP_P1_62878_22963521	NC_021163.1	Ca_kabuli_chr04	22963521	AA	GG	1940284935
SNP_P1_62879_22963731	NC_021163.1	Ca_kabuli_chr04	22963731	AA	GG	1940284937
SNP_P1_62880_22964105	NC_021163.1	Ca_kabuli_chr04	22964105	GG	AA	1940284938
SNP_P1_62881_22965548	NC_021163.1	Ca_kabuli_chr04	22965548	GG	AA	1940284939
SNP_P1_62883_22966568	NC_021163.1	Ca_kabuli_chr04	22966568	TT	CC	1940284940
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SNP_P1_62885_22970038	NC_021163.1	Ca_kabuli_chr04	22970038	GG	AA	1940284943
SNP_P1_62887_22971608	NC_021163.1	Ca_kabuli_chr04	22971608	TT	AA	1940284944
SNP_P1_62888_22971744	NC_021163.1	Ca_kabuli_chr04	22971744	AA	CC	1940284945
SNP_P1_62889_22971746	NC_021163.1	Ca_kabuli_chr04	22971746	GG	AA	1940284946
SNP_P1_62890_22971766	NC_021163.1	Ca_kabuli_chr04	22971766	AA	GG	1940284947
SNP_P1_62891_22972058	NC_021163.1	Ca_kabuli_chr04	22972058	TT	CC	1940284949
SNP_P1_62892_22972138	NC_021163.1	Ca_kabuli_chr04	22972138	TT	AA	1940284950
SNP_P1_62895_22973176	NC_021163.1	Ca_kabuli_chr04	22973176	AA	TT	1940284951
SNP_P1_62896_22973186	NC_021163.1	Ca_kabuli_chr04	22973186	GG	TT	1940284952
SNP_P1_62897_22973201	NC_021163.1	Ca_kabuli_chr04	22973201	AA	GG	1940284953
SNP_P1_62899_22973457	NC_021163.1	Ca_kabuli_chr04	22973457	TT	CC	1940284955
SNP_P1_62900_22973501	NC_021163.1	Ca_kabuli_chr04	22973501	TT	CC	1940284956
SNP_P1_62901_22974062	NC_021163.1	Ca_kabuli_chr04	22974062	CC	AA	1940284957
SNP_P1_62902_22974082	NC_021163.1	Ca_kabuli_chr04	22974082	TT	GG	1940284958

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62904_22974191	NC_021163.1	Ca_kabuli_chr04	22974191	AA	CC	1940284961
SNP_P1_62905_22974201	NC_021163.1	Ca_kabuli_chr04	22974201	CC	TT	1940284963
SNP_P1_62908_22974382	NC_021163.1	Ca_kabuli_chr04	22974382	CC	TT	1940284965
SNP_P1_62909_22975311	NC_021163.1	Ca_kabuli_chr04	22975311	TT	CC	1940284966
SNP_P1_62910_22976529	NC_021163.1	Ca_kabuli_chr04	22976529	GG	AA	1940284968
SNP_P1_62911_22978180	NC_021163.1	Ca_kabuli_chr04	22978180	TT	GG	1940284970
SNP_P1_62912_22978186	NC_021163.1	Ca_kabuli_chr04	22978186	GG	AA	1940284971
SNP_P1_62914_22980023	NC_021163.1	Ca_kabuli_chr04	22980023	TT	CC	1940284973
SNP_P1_62917_22980861	NC_021163.1	Ca_kabuli_chr04	22980861	CC	AA	1940284975
SNP_P1_62919_22980899	NC_021163.1	Ca_kabuli_chr04	22980899	AA	GG	1940284977
SNP_P1_62920_22980910	NC_021163.1	Ca_kabuli_chr04	22980910	GG	AA	1940284978
SNP_P1_62921_22981053	NC_021163.1	Ca_kabuli_chr04	22981053	CC	TT	1940284980
SNP_P1_62922_22981090	NC_021163.1	Ca_kabuli_chr04	22981090	GG	AA	1940284982
SNP_P1_62924_22981194	NC_021163.1	Ca_kabuli_chr04	22981194	TT	CC	1940284983
SNP_P1_62926_22981229	NC_021163.1	Ca_kabuli_chr04	22981229	AA	GG	1940284985
SNP_P1_62928_22981308	NC_021163.1	Ca_kabuli_chr04	22981308	CC	TT	1940284987
SNP_P1_62929_22981332	NC_021163.1	Ca_kabuli_chr04	22981332	GG	AA	1940284989
SNP_P1_62931_22981451	NC_021163.1	Ca_kabuli_chr04	22981451	TT	AA	1940284990
SNP_P1_62932_22981469	NC_021163.1	Ca_kabuli_chr04	22981469	GG	AA	1940284992
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SNP_P1_62935_22981597	NC_021163.1	Ca_kabuli_chr04	22981597	AA	GG	1940284997
SNP_P1_62936_22982177	NC_021163.1	Ca_kabuli_chr04	22982177	CC	TT	1940284999
SNP_P1_62937_22982178	NC_021163.1	Ca_kabuli_chr04	22982178	TT	CC	1940285001
SNP_P1_62938_22982412	NC_021163.1	Ca_kabuli_chr04	22982412	AA	GG	1940285003
SNP_P1_62939_22982418	NC_021163.1	Ca_kabuli_chr04	22982418	AA	CC	1940285004
SNP_P1_62941_22982702	NC_021163.1	Ca_kabuli_chr04	22982702	AA	TT	1940285006
SNP_P1_62942_22983498	NC_021163.1	Ca_kabuli_chr04	22983498	GG	CC	1940285007
SNP_P1_62943_22983501	NC_021163.1	Ca_kabuli_chr04	22983501	AA	GG	1940285009
SNP_P1_62944_22983582	NC_021163.1	Ca_kabuli_chr04	22983582	GG	AA	1940285011
SNP_P1_62945_22983605	NC_021163.1	Ca_kabuli_chr04	22983605	AA	TT	1940285012
SNP_P1_62946_22983910	NC_021163.1	Ca_kabuli_chr04	22983910	AA	GG	1940285014
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SNP_P1_62949_22984839	NC_021163.1	Ca_kabuli_chr04	22984839	AA	GG	1940285017
SNP_P1_62951_22985735	NC_021163.1	Ca_kabuli_chr04	22985735	AA	TT	1940285018
SNP_P1_62952_22987568	NC_021163.1	Ca_kabuli_chr04	22987568	CC	GG	1940285020
SNP_P1_62953_22987884	NC_021163.1	Ca_kabuli_chr04	22987884	CC	GG	1940285021
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SNP_P1_62955_22988122	NC_021163.1	Ca_kabuli_chr04	22988122	GG	AA	1940285025
SNP_P1_62956_22988147	NC_021163.1	Ca_kabuli_chr04	22988147	GG	AA	1940285026
SNP_P1_62957_22988166	NC_021163.1	Ca_kabuli_chr04	22988166	GG	TT	1940285028

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_62959_22989382	NC_021163.1	Ca_kabuli_chr04	22989382	CC	GG	1940285031
SNP_P1_62960_22989384	NC_021163.1	Ca_kabuli_chr04	22989384	CC	AA	1940285033
SNP_P1_62961_22989399	NC_021163.1	Ca_kabuli_chr04	22989399	GG	AA	1940285034
SNP_P1_62962_22989405	NC_021163.1	Ca_kabuli_chr04	22989405	AA	CC	1940285036
SNP_P1_62963_22989406	NC_021163.1	Ca_kabuli_chr04	22989406	TT	CC	1940285037
SNP_P1_62964_22989409	NC_021163.1	Ca_kabuli_chr04	22989409	CC	TT	1940285039
SNP_P1_62965_22989433	NC_021163.1	Ca_kabuli_chr04	22989433	AA	GG	1940285040
SNP_P1_62966_22989444	NC_021163.1	Ca_kabuli_chr04	22989444	AA	GG	1940285042
SNP_P1_62967_23002004	NC_021163.1	Ca_kabuli_chr04	23002004	CC	TT	1940285043
SNP_P1_62968_23002015	NC_021163.1	Ca_kabuli_chr04	23002015	TT	AA	1940285045
SNP_P1_62969_23002017	NC_021163.1	Ca_kabuli_chr04	23002017	AA	GG	1940285046
SNP_P1_62970_23002055	NC_021163.1	Ca_kabuli_chr04	23002055	AA	GG	1940285048
SNP_P1_62971_23002070	NC_021163.1	Ca_kabuli_chr04	23002070	TT	CC	1940285049
SNP_P1_62972_23002080	NC_021163.1	Ca_kabuli_chr04	23002080	GG	AA	1940285051
SNP_P1_62973_23002147	NC_021163.1	Ca_kabuli_chr04	23002147	GG	AA	1940285053
SNP_P1_62974_23002180	NC_021163.1	Ca_kabuli_chr04	23002180	TT	CC	1940285054
SNP_P1_62975_23002188	NC_021163.1	Ca_kabuli_chr04	23002188	AA	GG	1940285056
SNP_P1_62976_23002223	NC_021163.1	Ca_kabuli_chr04	23002223	TT	CC	1940285057
SNP_P1_62977_23002238	NC_021163.1	Ca_kabuli_chr04	23002238	TT	CC	1940285059
SNP_P1_62978_23002248	NC_021163.1	Ca_kabuli_chr04	23002248	TT	CC	1940285061
SNP_P1_62979_23002255	NC_021163.1	Ca_kabuli_chr04	23002255	AA	GG	1940285063
SNP_P1_62980_23002392	NC_021163.1	Ca_kabuli_chr04	23002392	TT	CC	1940285064
SNP_P1_62981_23002428	NC_021163.1	Ca_kabuli_chr04	23002428	CC	GG	1940285066
SNP_P1_62982_23002465	NC_021163.1	Ca_kabuli_chr04	23002465	GG	AA	1940285068
SNP_P1_62983_23002472	NC_021163.1	Ca_kabuli_chr04	23002472	TT	CC	1940285069
SNP_P1_62984_23002478	NC_021163.1	Ca_kabuli_chr04	23002478	TT	AA	1940285071
SNP_P1_62985_23002527	NC_021163.1	Ca_kabuli_chr04	23002527	CC	TT	1940285073
SNP_P1_62988_23002791	NC_021163.1	Ca_kabuli_chr04	23002791	TT	AA	1940285075
SNP_P1_62989_23002880	NC_021163.1	Ca_kabuli_chr04	23002880	CC	TT	1940285076
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SNP_P1_62997_23003107	NC_021163.1	Ca_kabuli_chr04	23003107	TT	CC	1940285087
SNP_P1_62998_23003134	NC_021163.1	Ca_kabuli_chr04	23003134	TT	AA	1940285089
SNP_P1_62999_23012684	NC_021163.1	Ca_kabuli_chr04	23012684	TT	AA	1940285090
SNP_P1_63001_23012724	NC_021163.1	Ca_kabuli_chr04	23012724	TT	CC	1940285092
SNP_P1_63002_23012725	NC_021163.1	Ca_kabuli_chr04	23012725	AA	GG	1940285094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63005_23012889	NC_021163.1	Ca_kabuli_chr04	23012889	GG	AA	1940285098
SNP_P1_63006_23012890	NC_021163.1	Ca_kabuli_chr04	23012890	GG	AA	1940285100
SNP_P1_63007_23012897	NC_021163.1	Ca_kabuli_chr04	23012897	GG	AA	1940285101
SNP_P1_63008_23012898	NC_021163.1	Ca_kabuli_chr04	23012898	CC	TT	1940285103
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SNP_P1_63011_23016437	NC_021163.1	Ca_kabuli_chr04	23016437	GG	AA	1940285108
SNP_P1_63012_23017637	NC_021163.1	Ca_kabuli_chr04	23017637	GG	AA	1940285110
SNP_P1_63013_23018231	NC_021163.1	Ca_kabuli_chr04	23018231	CC	TT	1940285112
SNP_P1_63014_23018274	NC_021163.1	Ca_kabuli_chr04	23018274	CC	AA	1940285113
SNP_P1_63015_23018280	NC_021163.1	Ca_kabuli_chr04	23018280	TT	AA	1940285115
SNP_P1_63017_23018334	NC_021163.1	Ca_kabuli_chr04	23018334	TT	CC	1940285117
SNP_P1_63018_23018343	NC_021163.1	Ca_kabuli_chr04	23018343	TT	AA	1940285118
SNP_P1_63019_23018344	NC_021163.1	Ca_kabuli_chr04	23018344	TT	AA	1940285120
SNP_P1_63020_23018523	NC_021163.1	Ca_kabuli_chr04	23018523	TT	GG	1940285122
SNP_P1_63024_23018971	NC_021163.1	Ca_kabuli_chr04	23018971	GG	TT	1940285123
SNP_P1_63025_23019150	NC_021163.1	Ca_kabuli_chr04	23019150	CC	AA	1940285125
SNP_P1_63026_23019259	NC_021163.1	Ca_kabuli_chr04	23019259	GG	AA	1940285127
SNP_P1_63028_23020108	NC_021163.1	Ca_kabuli_chr04	23020108	GG	AA	1940285128
SNP_P1_63029_23020132	NC_021163.1	Ca_kabuli_chr04	23020132	CC	TT	1940285130
SNP_P1_63030_23020170	NC_021163.1	Ca_kabuli_chr04	23020170	GG	AA	1940285131
SNP_P1_63031_23020172	NC_021163.1	Ca_kabuli_chr04	23020172	TT	CC	1940285133
SNP_P1_63032_23020179	NC_021163.1	Ca_kabuli_chr04	23020179	GG	AA	1940285135
SNP_P1_63033_23020250	NC_021163.1	Ca_kabuli_chr04	23020250	CC	GG	1940285136
SNP_P1_63035_23020274	NC_021163.1	Ca_kabuli_chr04	23020274	CC	TT	1940285138
SNP_P1_63037_23020546	NC_021163.1	Ca_kabuli_chr04	23020546	CC	TT	1940285140
SNP_P1_63038_23020617	NC_021163.1	Ca_kabuli_chr04	23020617	AA	GG	1940285141
SNP_P1_63040_23027313	NC_021163.1	Ca_kabuli_chr04	23027313	CC	TT	1940285143
SNP_P1_63042_23027457	NC_021163.1	Ca_kabuli_chr04	23027457	CC	TT	1940285145
SNP_P1_63043_23027472	NC_021163.1	Ca_kabuli_chr04	23027472	AA	TT	1940285147
SNP_P1_63044_23027501	NC_021163.1	Ca_kabuli_chr04	23027501	AA	GG	1940285148
SNP_P1_63045_23027509	NC_021163.1	Ca_kabuli_chr04	23027509	CC	TT	1940285150
SNP_P1_63046_23027519	NC_021163.1	Ca_kabuli_chr04	23027519	GG	TT	1940285152
SNP_P1_63047_23027544	NC_021163.1	Ca_kabuli_chr04	23027544	AA	GG	1940285154
SNP_P1_63048_23027545	NC_021163.1	Ca_kabuli_chr04	23027545	GG	AA	1940285155
SNP_P1_63049_23027579	NC_021163.1	Ca_kabuli_chr04	23027579	CC	TT	1940285157
SNP_P1_63051_23027726	NC_021163.1	Ca_kabuli_chr04	23027726	GG	CC	1940285159
SNP_P1_63052_23027733	NC_021163.1	Ca_kabuli_chr04	23027733	TT	GG	1940285160
SNP_P1_63053_23027739	NC_021163.1	Ca_kabuli_chr04	23027739	CC	TT	1940285162
SNP_P1_63054_23027827	NC_021163.1	Ca_kabuli_chr04	23027827	CC	AA	1940285164

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63057_23027888	NC_021163.1	Ca_kabuli_chr04	23027888	CC	GG	1940285167
SNP_P1_63058_23027946	NC_021163.1	Ca_kabuli_chr04	23027946	CC	GG	1940285169
SNP_P1_63059_23028177	NC_021163.1	Ca_kabuli_chr04	23028177	AA	GG	1940285170
SNP_P1_63060_23029806	NC_021163.1	Ca_kabuli_chr04	23029806	AA	TT	1940285171
SNP_P1_63062_23031700	NC_021163.1	Ca_kabuli_chr04	23031700	AA	GG	1940285173
SNP_P1_63063_23031728	NC_021163.1	Ca_kabuli_chr04	23031728	AA	GG	1940285175
SNP_P1_63064_23031748	NC_021163.1	Ca_kabuli_chr04	23031748	CC	TT	1940285176
SNP_P1_63065_23031781	NC_021163.1	Ca_kabuli_chr04	23031781	TT	CC	1940285178
SNP_P1_63066_23031785	NC_021163.1	Ca_kabuli_chr04	23031785	CC	AA	1940285179
SNP_P1_63067_23032211	NC_021163.1	Ca_kabuli_chr04	23032211	GG	AA	1940285181
SNP_P1_63068_23032315	NC_021163.1	Ca_kabuli_chr04	23032315	CC	TT	1940285183
SNP_P1_63069_23032318	NC_021163.1	Ca_kabuli_chr04	23032318	TT	GG	1940285184
SNP_P1_63070_23033294	NC_021163.1	Ca_kabuli_chr04	23033294	TT	CC	1940285186
SNP_P1_63071_23033657	NC_021163.1	Ca_kabuli_chr04	23033657	GG	AA	1940285188
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SNP_P1_63073_23034095	NC_021163.1	Ca_kabuli_chr04	23034095	TT	CC	1940285191
SNP_P1_63074_23034169	NC_021163.1	Ca_kabuli_chr04	23034169	AA	GG	1940285192
SNP_P1_63075_23034187	NC_021163.1	Ca_kabuli_chr04	23034187	CC	TT	1940285194
SNP_P1_63076_23034261	NC_021163.1	Ca_kabuli_chr04	23034261	AA	TT	1940285196
SNP_P1_63077_23034357	NC_021163.1	Ca_kabuli_chr04	23034357	TT	GG	1940285197
SNP_P1_63078_23034372	NC_021163.1	Ca_kabuli_chr04	23034372	TT	CC	1940285199
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SNP_P1_63080_23034464	NC_021163.1	Ca_kabuli_chr04	23034464	CC	TT	1940285202
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SNP_P1_63085_23035764	NC_021163.1	Ca_kabuli_chr04	23035764	CC	AA	1940285208
SNP_P1_63086_23035987	NC_021163.1	Ca_kabuli_chr04	23035987	CC	GG	1940285209
SNP_P1_63087_23036050	NC_021163.1	Ca_kabuli_chr04	23036050	TT	GG	1940285211
SNP_P1_63088_23036060	NC_021163.1	Ca_kabuli_chr04	23036060	GG	AA	1940285213
SNP_P1_63089_23036061	NC_021163.1	Ca_kabuli_chr04	23036061	AA	GG	1940285214
SNP_P1_63090_23036286	NC_021163.1	Ca_kabuli_chr04	23036286	GG	CC	1940285216
SNP_P1_63091_23036331	NC_021163.1	Ca_kabuli_chr04	23036331	CC	TT	1940285217
SNP_P1_63092_23036675	NC_021163.1	Ca_kabuli_chr04	23036675	GG	CC	1940285219
SNP_P1_63093_23036790	NC_021163.1	Ca_kabuli_chr04	23036790	CC	TT	1940285220
SNP_P1_63094_23036811	NC_021163.1	Ca_kabuli_chr04	23036811	GG	AA	1940285222
SNP_P1_63095_23036963	NC_021163.1	Ca_kabuli_chr04	23036963	TT	GG	1940285224
SNP_P1_63096_23036990	NC_021163.1	Ca_kabuli_chr04	23036990	AA	CC	1940285225
SNP_P1_63097_23037044	NC_021163.1	Ca_kabuli_chr04	23037044	TT	GG	1940285227
SNP_P1_63098_23037049	NC_021163.1	Ca_kabuli_chr04	23037049	AA	GG	1940285229
SNP_P1_63099_23037051	NC_021163.1	Ca_kabuli_chr04	23037051	GG	TT	1940285230

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63101_23037720	NC_021163.1	Ca_kabuli_chr04	23037720	GG	TT	1940285234
SNP_P1_63102_23037847	NC_021163.1	Ca_kabuli_chr04	23037847	GG	CC	1940285235
SNP_P1_63103_23038034	NC_021163.1	Ca_kabuli_chr04	23038034	CC	AA	1940285237
SNP_P1_63104_23038044	NC_021163.1	Ca_kabuli_chr04	23038044	CC	AA	1940285238
SNP_P1_63105_23038062	NC_021163.1	Ca_kabuli_chr04	23038062	CC	TT	1940285240
SNP_P1_63106_23038786	NC_021163.1	Ca_kabuli_chr04	23038786	AA	GG	1940285242
SNP_P1_63107_23039036	NC_021163.1	Ca_kabuli_chr04	23039036	CC	TT	1940285244
SNP_P1_63108_23039037	NC_021163.1	Ca_kabuli_chr04	23039037	GG	AA	1940285246
SNP_P1_63109_23039052	NC_021163.1	Ca_kabuli_chr04	23039052	CC	GG	1940285247
SNP_P1_63110_23039595	NC_021163.1	Ca_kabuli_chr04	23039595	CC	TT	1940285249
SNP_P1_63111_23039914	NC_021163.1	Ca_kabuli_chr04	23039914	GG	TT	1940285250
SNP_P1_63112_23039953	NC_021163.1	Ca_kabuli_chr04	23039953	GG	TT	1940285252
SNP_P1_63113_23040200	NC_021163.1	Ca_kabuli_chr04	23040200	GG	TT	1940285254
SNP_P1_63114_23040293	NC_021163.1	Ca_kabuli_chr04	23040293	TT	AA	1940285255
SNP_P1_63115_23040294	NC_021163.1	Ca_kabuli_chr04	23040294	AA	TT	1940285257
SNP_P1_63116_23040354	NC_021163.1	Ca_kabuli_chr04	23040354	CC	AA	1940285258
SNP_P1_63117_23040402	NC_021163.1	Ca_kabuli_chr04	23040402	TT	CC	1940285260
SNP_P1_63118_23040407	NC_021163.1	Ca_kabuli_chr04	23040407	AA	GG	1940285262
SNP_P1_63119_23040547	NC_021163.1	Ca_kabuli_chr04	23040547	TT	CC	1940285263
SNP_P1_63120_23040667	NC_021163.1	Ca_kabuli_chr04	23040667	AA	GG	1940285265
SNP_P1_63121_23040756	NC_021163.1	Ca_kabuli_chr04	23040756	GG	AA	1940285266
SNP_P1_63122_23040776	NC_021163.1	Ca_kabuli_chr04	23040776	CC	TT	1940285268
SNP_P1_63123_23040844	NC_021163.1	Ca_kabuli_chr04	23040844	CC	TT	1940285270
SNP_P1_63124_23042079	NC_021163.1	Ca_kabuli_chr04	23042079	AA	CC	1940285271
SNP_P1_63125_23042123	NC_021163.1	Ca_kabuli_chr04	23042123	TT	CC	1940285273
SNP_P1_63126_23042442	NC_021163.1	Ca_kabuli_chr04	23042442	CC	TT	1940285274
SNP_P1_63127_23042463	NC_021163.1	Ca_kabuli_chr04	23042463	TT	CC	1940285276
SNP_P1_63128_23042479	NC_021163.1	Ca_kabuli_chr04	23042479	TT	CC	1940285278
SNP_P1_63129_23044298	NC_021163.1	Ca_kabuli_chr04	23044298	TT	AA	1940285279
SNP_P1_63130_23044434	NC_021163.1	Ca_kabuli_chr04	23044434	CC	TT	1940285281
SNP_P1_63131_23044461	NC_021163.1	Ca_kabuli_chr04	23044461	TT	GG	1940285283
SNP_P1_63132_23044502	NC_021163.1	Ca_kabuli_chr04	23044502	AA	CC	1940285284
SNP_P1_63133_23044509	NC_021163.1	Ca_kabuli_chr04	23044509	GG	AA	1940285286
SNP_P1_63134_23045828	NC_021163.1	Ca_kabuli_chr04	23045828	CC	TT	1940285287
SNP_P1_63135_23045882	NC_021163.1	Ca_kabuli_chr04	23045882	TT	CC	1940285289
SNP_P1_63136_23045901	NC_021163.1	Ca_kabuli_chr04	23045901	CC	TT	1940285291
SNP_P1_63137_23046146	NC_021163.1	Ca_kabuli_chr04	23046146	GG	AA	1940285293
SNP_P1_63138_23046228	NC_021163.1	Ca_kabuli_chr04	23046228	AA	GG	1940285294
SNP_P1_63139_23046235	NC_021163.1	Ca_kabuli_chr04	23046235	AA	GG	1940285296
SNP_P1_63140_23046458	NC_021163.1	Ca_kabuli_chr04	23046458	CC	GG	1940285297
SNP_P1_63141_23046465	NC_021163.1	Ca_kabuli_chr04	23046465	CC	TT	1940285299

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63143_23046527	NC_021163.1	Ca_kabuli_chr04	23046527	CC	TT	1940285302
SNP_P1_63144_23046604	NC_021163.1	Ca_kabuli_chr04	23046604	TT	CC	1940285304
SNP_P1_63145_23046676	NC_021163.1	Ca_kabuli_chr04	23046676	AA	CC	1940285306
SNP_P1_63146_23047329	NC_021163.1	Ca_kabuli_chr04	23047329	GG	AA	1940285307
SNP_P1_63147_23047961	NC_021163.1	Ca_kabuli_chr04	23047961	TT	CC	1940285309
SNP_P1_63148_23048981	NC_021163.1	Ca_kabuli_chr04	23048981	CC	TT	1940285311
SNP_P1_63149_23048998	NC_021163.1	Ca_kabuli_chr04	23048998	AA	GG	1940285312
SNP_P1_63151_23050354	NC_021163.1	Ca_kabuli_chr04	23050354	AA	CC	1940285314
SNP_P1_63152_23050357	NC_021163.1	Ca_kabuli_chr04	23050357	CC	TT	1940285316
SNP_P1_63153_23050403	NC_021163.1	Ca_kabuli_chr04	23050403	TT	CC	1940285317
SNP_P1_63154_23050576	NC_021163.1	Ca_kabuli_chr04	23050576	TT	CC	1940285319
SNP_P1_63155_23050659	NC_021163.1	Ca_kabuli_chr04	23050659	GG	TT	1940285321
SNP_P1_63156_23050687	NC_021163.1	Ca_kabuli_chr04	23050687	AA	TT	1940285322
SNP_P1_63158_23050857	NC_021163.1	Ca_kabuli_chr04	23050857	AA	TT	1940285324
SNP_P1_63160_23051753	NC_021163.1	Ca_kabuli_chr04	23051753	GG	AA	1940285326
SNP_P1_63161_23052015	NC_021163.1	Ca_kabuli_chr04	23052015	GG	TT	1940285327
SNP_P1_63162_23054082	NC_021163.1	Ca_kabuli_chr04	23054082	TT	CC	1940285329
SNP_P1_63164_23055092	NC_021163.1	Ca_kabuli_chr04	23055092	TT	CC	1940285330
SNP_P1_63166_23055267	NC_021163.1	Ca_kabuli_chr04	23055267	GG	AA	1940285332
SNP_P1_63167_23055274	NC_021163.1	Ca_kabuli_chr04	23055274	TT	CC	1940285334
SNP_P1_63168_23055310	NC_021163.1	Ca_kabuli_chr04	23055310	CC	TT	1940285335
SNP_P1_63170_23056351	NC_021163.1	Ca_kabuli_chr04	23056351	TT	CC	1940285337
SNP_P1_63171_23056360	NC_021163.1	Ca_kabuli_chr04	23056360	TT	AA	1940285339
SNP_P1_63174_23057086	NC_021163.1	Ca_kabuli_chr04	23057086	TT	AA	1940285340
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SNP_P1_63177_23058305	NC_021163.1	Ca_kabuli_chr04	23058305	AA	GG	1940285345
SNP_P1_63178_23058325	NC_021163.1	Ca_kabuli_chr04	23058325	TT	AA	1940285347
SNP_P1_63179_23058326	NC_021163.1	Ca_kabuli_chr04	23058326	TT	AA	1940285348
SNP_P1_63180_23058327	NC_021163.1	Ca_kabuli_chr04	23058327	CC	AA	1940285350
SNP_P1_63181_23058342	NC_021163.1	Ca_kabuli_chr04	23058342	GG	TT	1940285352
SNP_P1_63182_23058345	NC_021163.1	Ca_kabuli_chr04	23058345	CC	TT	1940285353
SNP_P1_63183_23058395	NC_021163.1	Ca_kabuli_chr04	23058395	GG	AA	1940285355
SNP_P1_63184_23058465	NC_021163.1	Ca_kabuli_chr04	23058465	GG	AA	1940285357
SNP_P1_63185_23058467	NC_021163.1	Ca_kabuli_chr04	23058467	CC	TT	1940285358
SNP_P1_63186_23058484	NC_021163.1	Ca_kabuli_chr04	23058484	GG	AA	1940285360
SNP_P1_63188_23058548	NC_021163.1	Ca_kabuli_chr04	23058548	AA	TT	1940285361
SNP_P1_63189_23058585	NC_021163.1	Ca_kabuli_chr04	23058585	GG	AA	1940285363
SNP_P1_63190_23059485	NC_021163.1	Ca_kabuli_chr04	23059485	TT	AA	1940285365
SNP_P1_63191_23059553	NC_021163.1	Ca_kabuli_chr04	23059553	AA	GG	1940285366
SNP_P1_63192_23059666	NC_021163.1	Ca_kabuli_chr04	23059666	CC	TT	1940285368

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63196_23059776	NC_021163.1	Ca_kabuli_chr04	23059776	TT	GG	1940285373
SNP_P1_63197_23059828	NC_021163.1	Ca_kabuli_chr04	23059828	TT	GG	1940285374
SNP_P1_63199_23060360	NC_021163.1	Ca_kabuli_chr04	23060360	AA	CC	1940285376
SNP_P1_63200_23060363	NC_021163.1	Ca_kabuli_chr04	23060363	TT	GG	1940285378
SNP_P1_63202_23060633	NC_021163.1	Ca_kabuli_chr04	23060633	TT	CC	1940285379
SNP_P1_63203_23064596	NC_021163.1	Ca_kabuli_chr04	23064596	GG	TT	1940285381
SNP_P1_63204_23064614	NC_021163.1	Ca_kabuli_chr04	23064614	GG	AA	1940285382
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SNP_P1_63206_23065088	NC_021163.1	Ca_kabuli_chr04	23065088	GG	CC	1940285386
SNP_P1_63207_23065331	NC_021163.1	Ca_kabuli_chr04	23065331	GG	AA	1940285387
SNP_P1_63208_23066570	NC_021163.1	Ca_kabuli_chr04	23066570	AA	CC	1940285389
SNP_P1_63209_23067083	NC_021163.1	Ca_kabuli_chr04	23067083	AA	GG	1940285391
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SNP_P1_63213_23068101	NC_021163.1	Ca_kabuli_chr04	23068101	TT	CC	1940285394
SNP_P1_63214_23076777	NC_021163.1	Ca_kabuli_chr04	23076777	CC	AA	1940285395
SNP_P1_63216_23077417	NC_021163.1	Ca_kabuli_chr04	23077417	CC	GG	1940285397
SNP_P1_63217_23077538	NC_021163.1	Ca_kabuli_chr04	23077538	AA	GG	1940285399
SNP_P1_63218_23077541	NC_021163.1	Ca_kabuli_chr04	23077541	TT	CC	1940285400
SNP_P1_63220_23077692	NC_021163.1	Ca_kabuli_chr04	23077692	TT	AA	1940285402
SNP_P1_63221_23077768	NC_021163.1	Ca_kabuli_chr04	23077768	TT	CC	1940285404
SNP_P1_63222_23077886	NC_021163.1	Ca_kabuli_chr04	23077886	GG	AA	1940285405
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SNP_P1_63224_23077919	NC_021163.1	Ca_kabuli_chr04	23077919	GG	AA	1940285408
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SNP_P1_63228_23079115	NC_021163.1	Ca_kabuli_chr04	23079115	AA	GG	1940285412
SNP_P1_63229_23079127	NC_021163.1	Ca_kabuli_chr04	23079127	GG	CC	1940285413
SNP_P1_63230_23079156	NC_021163.1	Ca_kabuli_chr04	23079156	GG	CC	1940285415
SNP_P1_63231_23079164	NC_021163.1	Ca_kabuli_chr04	23079164	GG	AA	1940285416
SNP_P1_63232_23079165	NC_021163.1	Ca_kabuli_chr04	23079165	CC	TT	1940285418
SNP_P1_63233_23079204	NC_021163.1	Ca_kabuli_chr04	23079204	AA	GG	1940285420
SNP_P1_63234_23079227	NC_021163.1	Ca_kabuli_chr04	23079227	GG	TT	1940285421
SNP_P1_63235_23079233	NC_021163.1	Ca_kabuli_chr04	23079233	TT	GG	1940285423
SNP_P1_63238_23079524	NC_021163.1	Ca_kabuli_chr04	23079524	CC	GG	1940285424
SNP_P1_63240_23097925	NC_021163.1	Ca_kabuli_chr04	23097925	CC	GG	1940285426
SNP_P1_63241_23098144	NC_021163.1	Ca_kabuli_chr04	23098144	TT	AA	1940285428
SNP_P1_63244_23098303	NC_021163.1	Ca_kabuli_chr04	23098303	CC	TT	1940285429
SNP_P1_63245_23098305	NC_021163.1	Ca_kabuli_chr04	23098305	TT	CC	1940285431
SNP_P1_63247_23098828	NC_021163.1	Ca_kabuli_chr04	23098828	TT	CC	1940285433
SNP_P1_63248_23098834	NC_021163.1	Ca_kabuli_chr04	23098834	TT	CC	1940285434
SNP_P1_63249_23098851	NC_021163.1	Ca_kabuli_chr04	23098851	CC	TT	1940285436

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_63250_23098857	NC_021163.1	Ca_kabuli_chr04	23098857	AA	GG	1940285437
SNP_P1_63251_23098875	NC_021163.1	Ca_kabuli_chr04	23098875	GG	AA	1940285439
SNP_P1_63252_23099763	NC_021163.1	Ca_kabuli_chr04	23099763	CC	AA	1940285441
SNP_P1_63253_23099993	NC_021163.1	Ca_kabuli_chr04	23099993	GG	AA	1940285442
SNP_P1_63254_23100178	NC_021163.1	Ca_kabuli_chr04	23100178	TT	GG	1940285444
SNP_P1_63255_23100182	NC_021163.1	Ca_kabuli_chr04	23100182	TT	AA	1940285445
SNP_P1_63256_23100186	NC_021163.1	Ca_kabuli_chr04	23100186	GG	AA	1940285447
SNP_P1_63257_23100236	NC_021163.1	Ca_kabuli_chr04	23100236	CC	TT	1940285449
SNP_P1_63258_23100243	NC_021163.1	Ca_kabuli_chr04	23100243	TT	CC	1940285450
SNP_P1_63259_23100503	NC_021163.1	Ca_kabuli_chr04	23100503	TT	AA	1940285452
SNP_P1_63260_23100883	NC_021163.1	Ca_kabuli_chr04	23100883	GG	TT	1940285454
SNP_P1_63261_23100918	NC_021163.1	Ca_kabuli_chr04	23100918	TT	CC	1940285455
SNP_P1_63262_23101617	NC_021163.1	Ca_kabuli_chr04	23101617	AA	TT	1940285457
SNP_P1_63263_23101792	NC_021163.1	Ca_kabuli_chr04	23101792	TT	CC	1940285458
SNP_P1_63264_23101794	NC_021163.1	Ca_kabuli_chr04	23101794	GG	AA	1940285460
SNP_P1_63265_23101802	NC_021163.1	Ca_kabuli_chr04	23101802	GG	AA	1940285462
SNP_P1_63266_23101837	NC_021163.1	Ca_kabuli_chr04	23101837	CC	TT	1940285463
SNP_P1_63267_23102134	NC_021163.1	Ca_kabuli_chr04	23102134	AA	CC	1940285465
SNP_P1_63268_23102195	NC_021163.1	Ca_kabuli_chr04	23102195	AA	GG	1940285466
SNP_P1_63271_23104098	NC_021163.1	Ca_kabuli_chr04	23104098	CC	AA	1940285468
SNP_P1_63273_23104368	NC_021163.1	Ca_kabuli_chr04	23104368	AA	GG	1940285470
SNP_P1_63274_23104882	NC_021163.1	Ca_kabuli_chr04	23104882	CC	TT	1940285471
SNP_P1_63275_23104883	NC_021163.1	Ca_kabuli_chr04	23104883	GG	TT	1940285473
SNP_P1_63276_23105108	NC_021163.1	Ca_kabuli_chr04	23105108	CC	TT	1940285474
SNP_P1_63277_23108856	NC_021163.1	Ca_kabuli_chr04	23108856	CC	TT	1940285476
SNP_P1_63278_23108876	NC_021163.1	Ca_kabuli_chr04	23108876	AA	GG	1940285478
SNP_P1_63279_23108896	NC_021163.1	Ca_kabuli_chr04	23108896	GG	AA	1940285479
SNP_P1_63280_23108935	NC_021163.1	Ca_kabuli_chr04	23108935	AA	GG	1940285481
SNP_P1_63281_23108941	NC_021163.1	Ca_kabuli_chr04	23108941	GG	CC	1940285482
SNP_P1_63282_23109069	NC_021163.1	Ca_kabuli_chr04	23109069	TT	CC	1940285484
SNP_P1_63283_23109143	NC_021163.1	Ca_kabuli_chr04	23109143	TT	GG	1940285486
SNP_P1_63284_23110660	NC_021163.1	Ca_kabuli_chr04	23110660	GG	TT	1940285487
SNP_P1_63285_23110680	NC_021163.1	Ca_kabuli_chr04	23110680	CC	TT	1940285489
SNP_P1_63286_23110703	NC_021163.1	Ca_kabuli_chr04	23110703	CC	TT	1940285490
SNP_P1_63287_23111001	NC_021163.1	Ca_kabuli_chr04	23111001	AA	CC	1940285492
SNP_P1_63288_23112112	NC_021163.1	Ca_kabuli_chr04	23112112	GG	AA	1940285494
SNP_P1_63289_23112118	NC_021163.1	Ca_kabuli_chr04	23112118	GG	TT	1940285495
SNP_P1_63290_23112149	NC_021163.1	Ca_kabuli_chr04	23112149	GG	AA	1940285497
SNP_P1_63291_23112192	NC_021163.1	Ca_kabuli_chr04	23112192	CC	TT	1940285499
SNP_P1_63292_23112217	NC_021163.1	Ca_kabuli_chr04	23112217	CC	TT	1940285500
SNP_P1_63293_23112233	NC_021163.1	Ca_kabuli_chr04	23112233	TT	CC	1940285502
SNP_P1_63294_23112250	NC_021163.1	Ca_kabuli_chr04	23112250	TT	GG	1940285503

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63296_23112593	NC_021163.1	Ca_kabuli_chr04	23112593	GG	AA	1940285507
SNP_P1_63297_23112602	NC_021163.1	Ca_kabuli_chr04	23112602	GG	CC	1940285508
SNP_P1_63298_23112626	NC_021163.1	Ca_kabuli_chr04	23112626	GG	TT	1940285510
SNP_P1_63299_23116353	NC_021163.1	Ca_kabuli_chr04	23116353	TT	CC	1940285512
SNP_P1_63300_23116370	NC_021163.1	Ca_kabuli_chr04	23116370	CC	TT	1940285513
SNP_P1_63301_23116385	NC_021163.1	Ca_kabuli_chr04	23116385	CC	TT	1940285515
SNP_P1_63302_23116387	NC_021163.1	Ca_kabuli_chr04	23116387	TT	GG	1940285516
SNP_P1_63303_23116394	NC_021163.1	Ca_kabuli_chr04	23116394	CC	AA	1940285518
SNP_P1_63304_23116967	NC_021163.1	Ca_kabuli_chr04	23116967	GG	AA	1940285520
SNP_P1_63305_23117136	NC_021163.1	Ca_kabuli_chr04	23117136	GG	TT	1940285521
SNP_P1_63306_23117300	NC_021163.1	Ca_kabuli_chr04	23117300	TT	GG	1940285523
SNP_P1_63307_23117424	NC_021163.1	Ca_kabuli_chr04	23117424	GG	TT	1940285524
SNP_P1_63308_23117425	NC_021163.1	Ca_kabuli_chr04	23117425	TT	CC	1940285526
SNP_P1_63309_23117836	NC_021163.1	Ca_kabuli_chr04	23117836	AA	CC	1940285528
SNP_P1_63310_23118097	NC_021163.1	Ca_kabuli_chr04	23118097	CC	AA	1940285529
SNP_P1_63311_23118108	NC_021163.1	Ca_kabuli_chr04	23118108	CC	TT	1940285531
SNP_P1_63312_23118127	NC_021163.1	Ca_kabuli_chr04	23118127	CC	AA	1940285532
SNP_P1_63313_23118176	NC_021163.1	Ca_kabuli_chr04	23118176	TT	AA	1940285534
SNP_P1_63314_23118358	NC_021163.1	Ca_kabuli_chr04	23118358	TT	CC	1940285536
SNP_P1_63315_23118429	NC_021163.1	Ca_kabuli_chr04	23118429	TT	CC	1940285537
SNP_P1_63316_23119405	NC_021163.1	Ca_kabuli_chr04	23119405	CC	TT	1940285539
SNP_P1_63317_23119407	NC_021163.1	Ca_kabuli_chr04	23119407	CC	TT	1940285541
SNP_P1_63318_23119577	NC_021163.1	Ca_kabuli_chr04	23119577	TT	GG	1940285542
SNP_P1_63319_23119585	NC_021163.1	Ca_kabuli_chr04	23119585	GG	AA	1940285544
SNP_P1_63320_23119833	NC_021163.1	Ca_kabuli_chr04	23119833	AA	TT	1940285546
SNP_P1_63321_23119835	NC_021163.1	Ca_kabuli_chr04	23119835	AA	TT	1940285547
SNP_P1_63322_23119837	NC_021163.1	Ca_kabuli_chr04	23119837	TT	GG	1940285549
SNP_P1_63323_23119869	NC_021163.1	Ca_kabuli_chr04	23119869	GG	TT	1940285551
SNP_P1_63324_23120422	NC_021163.1	Ca_kabuli_chr04	23120422	GG	AA	1940285552
SNP_P1_63325_23120614	NC_021163.1	Ca_kabuli_chr04	23120614	TT	GG	1940285554
SNP_P1_63326_23120644	NC_021163.1	Ca_kabuli_chr04	23120644	GG	AA	1940285556
SNP_P1_63327_23120650	NC_021163.1	Ca_kabuli_chr04	23120650	GG	AA	1940285557
SNP_P1_63328_23120667	NC_021163.1	Ca_kabuli_chr04	23120667	GG	AA	1940285559
SNP_P1_63329_23120676	NC_021163.1	Ca_kabuli_chr04	23120676	TT	CC	1940285560
SNP_P1_63330_23120714	NC_021163.1	Ca_kabuli_chr04	23120714	TT	AA	1940285562
SNP_P1_63331_23120717	NC_021163.1	Ca_kabuli_chr04	23120717	AA	TT	1940285564
SNP_P1_63332_23120882	NC_021163.1	Ca_kabuli_chr04	23120882	AA	TT	1940285565
SNP_P1_63333_23122042	NC_021163.1	Ca_kabuli_chr04	23122042	CC	TT	1940285567
SNP_P1_63334_23122218	NC_021163.1	Ca_kabuli_chr04	23122218	CC	AA	1940285568
SNP_P1_63335_23122230	NC_021163.1	Ca_kabuli_chr04	23122230	AA	CC	1940285570
SNP_P1_63336_23122255	NC_021163.1	Ca_kabuli_chr04	23122255	AA	GG	1940285572

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_63337_23122257	NC_021163.1	Ca_kabuli_chr04	23122257	CC	GG	1940285573
SNP_P1_63338_23122269	NC_021163.1	Ca_kabuli_chr04	23122269	TT	CC	1940285575
SNP_P1_63339_23122293	NC_021163.1	Ca_kabuli_chr04	23122293	TT	AA	1940285577
SNP_P1_63340_23122298	NC_021163.1	Ca_kabuli_chr04	23122298	CC	TT	1940285578
SNP_P1_63341_23122307	NC_021163.1	Ca_kabuli_chr04	23122307	AA	CC	1940285580
SNP_P1_63342_23122342	NC_021163.1	Ca_kabuli_chr04	23122342	CC	GG	1940285581
SNP_P1_63343_23122399	NC_021163.1	Ca_kabuli_chr04	23122399	CC	TT	1940285583
SNP_P1_63344_23128839	NC_021163.1	Ca_kabuli_chr04	23128839	GG	AA	1940285585
SNP_P1_63345_23130064	NC_021163.1	Ca_kabuli_chr04	23130064	AA	GG	1940285586
SNP_P1_63346_23130082	NC_021163.1	Ca_kabuli_chr04	23130082	AA	GG	1940285588
SNP_P1_63347_23130368	NC_021163.1	Ca_kabuli_chr04	23130368	AA	GG	1940285590
SNP_P1_63348_23130388	NC_021163.1	Ca_kabuli_chr04	23130388	TT	CC	1940285591
SNP_P1_63349_23130433	NC_021163.1	Ca_kabuli_chr04	23130433	GG	AA	1940285593
SNP_P1_63350_23130938	NC_021163.1	Ca_kabuli_chr04	23130938	AA	CC	1940285594
SNP_P1_63351_23131334	NC_021163.1	Ca_kabuli_chr04	23131334	TT	CC	1940285596
SNP_P1_63352_23131933	NC_021163.1	Ca_kabuli_chr04	23131933	TT	AA	1940285598
SNP_P1_63353_23132489	NC_021163.1	Ca_kabuli_chr04	23132489	TT	CC	1940285599
SNP_P1_63354_23132672	NC_021163.1	Ca_kabuli_chr04	23132672	TT	CC	1940285601
SNP_P1_63355_23132676	NC_021163.1	Ca_kabuli_chr04	23132676	CC	TT	1940285602
SNP_P1_63356_23133571	NC_021163.1	Ca_kabuli_chr04	23133571	GG	AA	1940285604
SNP_P1_63357_23133572	NC_021163.1	Ca_kabuli_chr04	23133572	AA	TT	1940285606
SNP_P1_63358_23133598	NC_021163.1	Ca_kabuli_chr04	23133598	CC	AA	1940285608
SNP_P1_63359_23133611	NC_021163.1	Ca_kabuli_chr04	23133611	GG	AA	1940285611
SNP_P1_63360_23133655	NC_021163.1	Ca_kabuli_chr04	23133655	AA	GG	1940285614
SNP_P1_63361_23133888	NC_021163.1	Ca_kabuli_chr04	23133888	AA	TT	1940285617
SNP_P1_63362_23133891	NC_021163.1	Ca_kabuli_chr04	23133891	CC	TT	1940285620
SNP_P1_63364_23134526	NC_021163.1	Ca_kabuli_chr04	23134526	GG	AA	1940285623
SNP_P1_63365_23135178	NC_021163.1	Ca_kabuli_chr04	23135178	AA	GG	1940285626
SNP_P1_63366_23135190	NC_021163.1	Ca_kabuli_chr04	23135190	TT	AA	1940285630
SNP_P1_63367_23135202	NC_021163.1	Ca_kabuli_chr04	23135202	CC	GG	1940285633
SNP_P1_63369_23135516	NC_021163.1	Ca_kabuli_chr04	23135516	GG	AA	1940285636
SNP_P1_63370_23135566	NC_021163.1	Ca_kabuli_chr04	23135566	TT	AA	1940285637
SNP_P1_63371_23135764	NC_021163.1	Ca_kabuli_chr04	23135764	TT	CC	1940285639
SNP_P1_63372_23135827	NC_021163.1	Ca_kabuli_chr04	23135827	GG	AA	1940285641
SNP_P1_63373_23136755	NC_021163.1	Ca_kabuli_chr04	23136755	AA	GG	1940285642
SNP_P1_63374_23136761	NC_021163.1	Ca_kabuli_chr04	23136761	AA	GG	1940285644
SNP_P1_63375_23136774	NC_021163.1	Ca_kabuli_chr04	23136774	GG	AA	1940285645
SNP_P1_63376_23136810	NC_021163.1	Ca_kabuli_chr04	23136810	AA	GG	1940285647
SNP_P1_63377_23137177	NC_021163.1	Ca_kabuli_chr04	23137177	CC	TT	1940285649
SNP_P1_63378_23137518	NC_021163.1	Ca_kabuli_chr04	23137518	CC	TT	1940285650
SNP_P1_63380_23137572	NC_021163.1	Ca_kabuli_chr04	23137572	AA	CC	1940285652
SNP_P1_63381_23137603	NC_021163.1	Ca_kabuli_chr04	23137603	CC	TT	1940285653

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_63382_23137780	NC_021163.1	Ca_kabuli_chr04	23137780	TT	CC	1940285655
SNP_P1_63383_23139142	NC_021163.1	Ca_kabuli_chr04	23139142	AA	GG	1940285656
SNP_P1_63384_23139145	NC_021163.1	Ca_kabuli_chr04	23139145	AA	GG	1940285658
SNP_P1_63385_23139159	NC_021163.1	Ca_kabuli_chr04	23139159	GG	AA	1940285659
SNP_P1_63386_23139175	NC_021163.1	Ca_kabuli_chr04	23139175	AA	GG	1940285661
SNP_P1_63387_23139187	NC_021163.1	Ca_kabuli_chr04	23139187	GG	AA	1940285662
SNP_P1_63388_23139205	NC_021163.1	Ca_kabuli_chr04	23139205	GG	AA	1940285664
SNP_P1_63389_23139213	NC_021163.1	Ca_kabuli_chr04	23139213	AA	GG	1940285666
SNP_P1_63390_23139223	NC_021163.1	Ca_kabuli_chr04	23139223	AA	GG	1940285667
SNP_P1_63391_23139364	NC_021163.1	Ca_kabuli_chr04	23139364	GG	AA	1940285669
SNP_P1_63392_23139375	NC_021163.1	Ca_kabuli_chr04	23139375	AA	CC	1940285671
SNP_P1_63393_23139390	NC_021163.1	Ca_kabuli_chr04	23139390	TT	GG	1940285672
SNP_P1_63394_23139396	NC_021163.1	Ca_kabuli_chr04	23139396	CC	TT	1940285674
SNP_P1_63395_23139447	NC_021163.1	Ca_kabuli_chr04	23139447	AA	GG	1940285675
SNP_P1_63396_23144803	NC_021163.1	Ca_kabuli_chr04	23144803	TT	CC	1940285677
SNP_P1_63397_23144824	NC_021163.1	Ca_kabuli_chr04	23144824	CC	TT	1940285678
SNP_P1_63398_23145615	NC_021163.1	Ca_kabuli_chr04	23145615	CC	TT	1940285680
SNP_P1_63400_23147504	NC_021163.1	Ca_kabuli_chr04	23147504	CC	GG	1940285682
SNP_P1_63401_23147605	NC_021163.1	Ca_kabuli_chr04	23147605	AA	TT	1940285683
SNP_P1_63402_23147606	NC_021163.1	Ca_kabuli_chr04	23147606	CC	TT	1940285685
SNP_P1_63403_23147636	NC_021163.1	Ca_kabuli_chr04	23147636	GG	AA	1940285686
SNP_P1_63404_23147638	NC_021163.1	Ca_kabuli_chr04	23147638	AA	GG	1940285688
SNP_P1_63405_23147799	NC_021163.1	Ca_kabuli_chr04	23147799	CC	TT	1940285690
SNP_P1_63406_23147850	NC_021163.1	Ca_kabuli_chr04	23147850	AA	CC	1940285691
SNP_P1_63407_23147862	NC_021163.1	Ca_kabuli_chr04	23147862	AA	GG	1940285693
SNP_P1_63408_23148604	NC_021163.1	Ca_kabuli_chr04	23148604	CC	TT	1940285695
SNP_P1_63409_23149117	NC_021163.1	Ca_kabuli_chr04	23149117	CC	AA	1940285696
SNP_P1_63410_23153853	NC_021163.1	Ca_kabuli_chr04	23153853	TT	CC	1940285698
SNP_P1_63411_23158926	NC_021163.1	Ca_kabuli_chr04	23158926	AA	GG	1940285700
SNP_P1_63412_23169134	NC_021163.1	Ca_kabuli_chr04	23169134	AA	GG	1940285701
SNP_P1_63413_23188558	NC_021163.1	Ca_kabuli_chr04	23188558	AA	CC	1940285703
SNP_P1_63415_23227173	NC_021163.1	Ca_kabuli_chr04	23227173	CC	TT	1940285704
SNP_P1_63416_23227269	NC_021163.1	Ca_kabuli_chr04	23227269	AA	TT	1940285706
SNP_P1_63417_23245240	NC_021163.1	Ca_kabuli_chr04	23245240	CC	GG	1940285708
SNP_P1_63418_23251609	NC_021163.1	Ca_kabuli_chr04	23251609	AA	GG	1940285709
SNP_P1_63420_23272971	NC_021163.1	Ca_kabuli_chr04	23272971	TT	GG	1940285711
SNP_P1_63422_23277116	NC_021163.1	Ca_kabuli_chr04	23277116	CC	TT	1940285713
SNP_P1_63423_23278558	NC_021163.1	Ca_kabuli_chr04	23278558	CC	AA	1940285714
SNP_P1_63424_23302429	NC_021163.1	Ca_kabuli_chr04	23302429	CC	TT	1940285716
SNP_P1_63425_23309674	NC_021163.1	Ca_kabuli_chr04	23309674	CC	GG	1940285717
SNP_P1_63426_23310215	NC_021163.1	Ca_kabuli_chr04	23310215	AA	GG	1940285719
SNP_P1_63427_23310260	NC_021163.1	Ca_kabuli_chr04	23310260	AA	TT	1940285721

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63429_23349679	NC_021163.1	Ca_kabuli_chr04	23349679	AA	TT	1940285724
SNP_P1_63430_23350691	NC_021163.1	Ca_kabuli_chr04	23350691	AA	TT	1940285725
SNP_P1_63431_23350692	NC_021163.1	Ca_kabuli_chr04	23350692	AA	CC	1940285727
SNP_P1_63432_23361280	NC_021163.1	Ca_kabuli_chr04	23361280	CC	AA	1940285729
SNP_P1_63433_23361288	NC_021163.1	Ca_kabuli_chr04	23361288	AA	GG	1940285730
SNP_P1_63434_23361358	NC_021163.1	Ca_kabuli_chr04	23361358	TT	CC	1940285733
SNP_P1_63435_23361800	NC_021163.1	Ca_kabuli_chr04	23361800	CC	TT	1940285735
SNP_P1_63437_23365818	NC_021163.1	Ca_kabuli_chr04	23365818	TT	CC	1940285737
SNP_P1_63438_23365825	NC_021163.1	Ca_kabuli_chr04	23365825	CC	TT	1940285740
SNP_P1_63439_23365828	NC_021163.1	Ca_kabuli_chr04	23365828	GG	AA	1940285742
SNP_P1_63440_23365837	NC_021163.1	Ca_kabuli_chr04	23365837	AA	GG	1940285745
SNP_P1_63443_23391150	NC_021163.1	Ca_kabuli_chr04	23391150	TT	AA	1940285747
SNP_P1_63444_23398776	NC_021163.1	Ca_kabuli_chr04	23398776	CC	TT	1940285749
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SNP_P1_63446_23411262	NC_021163.1	Ca_kabuli_chr04	23411262	GG	AA	1940285752
SNP_P1_63448_23421482	NC_021163.1	Ca_kabuli_chr04	23421482	TT	CC	1940285754
SNP_P1_63449_23421483	NC_021163.1	Ca_kabuli_chr04	23421483	AA	CC	1940285755
SNP_P1_63450_23421659	NC_021163.1	Ca_kabuli_chr04	23421659	AA	GG	1940285760
SNP_P1_63451_23421683	NC_021163.1	Ca_kabuli_chr04	23421683	TT	CC	1940285761
SNP_P1_63452_23421711	NC_021163.1	Ca_kabuli_chr04	23421711	CC	AA	1940285763
SNP_P1_63453_23421798	NC_021163.1	Ca_kabuli_chr04	23421798	AA	GG	1940285764
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SNP_P1_63456_23422256	NC_021163.1	Ca_kabuli_chr04	23422256	AA	GG	1940285769
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SNP_P1_63459_23497539	NC_021163.1	Ca_kabuli_chr04	23497539	AA	GG	1940285774
SNP_P1_63460_23503614	NC_021163.1	Ca_kabuli_chr04	23503614	TT	CC	1940285776
SNP_P1_63461_23508620	NC_021163.1	Ca_kabuli_chr04	23508620	TT	CC	1940285777
SNP_P1_63462_23508740	NC_021163.1	Ca_kabuli_chr04	23508740	TT	CC	1940285779
SNP_P1_63463_23508757	NC_021163.1	Ca_kabuli_chr04	23508757	CC	TT	1940285781
SNP_P1_63464_23515868	NC_021163.1	Ca_kabuli_chr04	23515868	TT	CC	1940285782
SNP_P1_63465_23518648	NC_021163.1	Ca_kabuli_chr04	23518648	GG	AA	1940285784
SNP_P1_63466_23522480	NC_021163.1	Ca_kabuli_chr04	23522480	AA	TT	1940285785
SNP_P1_63467_23522495	NC_021163.1	Ca_kabuli_chr04	23522495	TT	GG	1940285787
SNP_P1_63468_23522499	NC_021163.1	Ca_kabuli_chr04	23522499	TT	GG	1940285789
SNP_P1_63469_23522697	NC_021163.1	Ca_kabuli_chr04	23522697	TT	AA	1940285790
SNP_P1_63471_23530902	NC_021163.1	Ca_kabuli_chr04	23530902	TT	AA	1940285792
SNP_P1_63472_23536548	NC_021163.1	Ca_kabuli_chr04	23536548	GG	AA	1940285793
SNP_P1_63473_23536667	NC_021163.1	Ca_kabuli_chr04	23536667	TT	GG	1940285795
SNP_P1_63474_23536669	NC_021163.1	Ca_kabuli_chr04	23536669	TT	CC	1940285797

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63477_23586050	NC_021163.1	Ca_kabuli_chr04	23586050	GG	AA	1940285802
SNP_P1_63478_23587135	NC_021163.1	Ca_kabuli_chr04	23587135	AA	GG	1940285803
SNP_P1_63479_23587138	NC_021163.1	Ca_kabuli_chr04	23587138	GG	AA	1940285805
SNP_P1_63480_23587183	NC_021163.1	Ca_kabuli_chr04	23587183	GG	CC	1940285806
SNP_P1_63481_23590151	NC_021163.1	Ca_kabuli_chr04	23590151	CC	AA	1940285808
SNP_P1_63483_23620895	NC_021163.1	Ca_kabuli_chr04	23620895	CC	TT	1940285810
SNP_P1_63484_23625825	NC_021163.1	Ca_kabuli_chr04	23625825	CC	AA	1940285811
SNP_P1_63485_23632486	NC_021163.1	Ca_kabuli_chr04	23632486	TT	CC	1940285813
SNP_P1_63486_23634253	NC_021163.1	Ca_kabuli_chr04	23634253	CC	GG	1940285814
SNP_P1_63487_23640829	NC_021163.1	Ca_kabuli_chr04	23640829	GG	AA	1940285816
SNP_P1_63488_23643987	NC_021163.1	Ca_kabuli_chr04	23643987	CC	TT	1940285818
SNP_P1_63489_23647020	NC_021163.1	Ca_kabuli_chr04	23647020	GG	CC	1940285819
SNP_P1_63490_23649292	NC_021163.1	Ca_kabuli_chr04	23649292	TT	GG	1940285821
SNP_P1_63491_23650894	NC_021163.1	Ca_kabuli_chr04	23650894	AA	GG	1940285823
SNP_P1_63492_23653544	NC_021163.1	Ca_kabuli_chr04	23653544	AA	GG	1940285824
SNP_P1_63493_23663785	NC_021163.1	Ca_kabuli_chr04	23663785	TT	GG	1940285826
SNP_P1_63494_23664000	NC_021163.1	Ca_kabuli_chr04	23664000	TT	CC	1940285827
SNP_P1_63495_23665071	NC_021163.1	Ca_kabuli_chr04	23665071	CC	AA	1940285829
SNP_P1_63496_23665081	NC_021163.1	Ca_kabuli_chr04	23665081	AA	GG	1940285831
SNP_P1_63497_23682330	NC_021163.1	Ca_kabuli_chr04	23682330	AA	GG	1940285832
SNP_P1_63498_23694294	NC_021163.1	Ca_kabuli_chr04	23694294	GG	TT	1940285834
SNP_P1_63499_23694305	NC_021163.1	Ca_kabuli_chr04	23694305	AA	CC	1940285835
SNP_P1_63500_23694309	NC_021163.1	Ca_kabuli_chr04	23694309	TT	CC	1940285837
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SNP_P1_63503_23694347	NC_021163.1	Ca_kabuli_chr04	23694347	TT	GG	1940285842
SNP_P1_63504_23694349	NC_021163.1	Ca_kabuli_chr04	23694349	AA	GG	1940285843
SNP_P1_63505_23699374	NC_021163.1	Ca_kabuli_chr04	23699374	TT	CC	1940285845
SNP_P1_63506_23699517	NC_021163.1	Ca_kabuli_chr04	23699517	TT	GG	1940285847
SNP_P1_63507_23699523	NC_021163.1	Ca_kabuli_chr04	23699523	TT	GG	1940285848
SNP_P1_63508_23699525	NC_021163.1	Ca_kabuli_chr04	23699525	AA	TT	1940285850
SNP_P1_63509_23699532	NC_021163.1	Ca_kabuli_chr04	23699532	GG	AA	1940285851
SNP_P1_63510_23699540	NC_021163.1	Ca_kabuli_chr04	23699540	CC	GG	1940285853
SNP_P1_63511_23699628	NC_021163.1	Ca_kabuli_chr04	23699628	GG	CC	1940285855
SNP_P1_63512_23699629	NC_021163.1	Ca_kabuli_chr04	23699629	TT	CC	1940285856
SNP_P1_63513_23699658	NC_021163.1	Ca_kabuli_chr04	23699658	AA	GG	1940285858
SNP_P1_63514_23699807	NC_021163.1	Ca_kabuli_chr04	23699807	CC	TT	1940285859
SNP_P1_63515_23699964	NC_021163.1	Ca_kabuli_chr04	23699964	AA	TT	1940285861
SNP_P1_63516_23701480	NC_021163.1	Ca_kabuli_chr04	23701480	CC	AA	1940285862
SNP_P1_63517_23704577	NC_021163.1	Ca_kabuli_chr04	23704577	GG	AA	1940285864

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63519_23717403	NC_021163.1	Ca_kabuli_chr04	23717403	GG	AA	1940285867
SNP_P1_63520_23719774	NC_021163.1	Ca_kabuli_chr04	23719774	GG	AA	1940285869
SNP_P1_63521_23719800	NC_021163.1	Ca_kabuli_chr04	23719800	AA	GG	1940285870
SNP_P1_63522_23719811	NC_021163.1	Ca_kabuli_chr04	23719811	TT	CC	1940285872
SNP_P1_63523_23719813	NC_021163.1	Ca_kabuli_chr04	23719813	AA	TT	1940285874
SNP_P1_63524_23719815	NC_021163.1	Ca_kabuli_chr04	23719815	TT	AA	1940285875
SNP_P1_63525_23719881	NC_021163.1	Ca_kabuli_chr04	23719881	AA	TT	1940285877
SNP_P1_63526_23720147	NC_021163.1	Ca_kabuli_chr04	23720147	CC	TT	1940285878
SNP_P1_63527_23720227	NC_021163.1	Ca_kabuli_chr04	23720227	AA	GG	1940285880
SNP_P1_63528_23720298	NC_021163.1	Ca_kabuli_chr04	23720298	TT	CC	1940285882
SNP_P1_63529_23720338	NC_021163.1	Ca_kabuli_chr04	23720338	AA	GG	1940285883
SNP_P1_63530_23720360	NC_021163.1	Ca_kabuli_chr04	23720360	TT	CC	1940285885
SNP_P1_63531_23720366	NC_021163.1	Ca_kabuli_chr04	23720366	GG	AA	1940285887
SNP_P1_63532_23720625	NC_021163.1	Ca_kabuli_chr04	23720625	CC	TT	1940285888
SNP_P1_63533_23720873	NC_021163.1	Ca_kabuli_chr04	23720873	AA	GG	1940285890
SNP_P1_63534_23721102	NC_021163.1	Ca_kabuli_chr04	23721102	GG	CC	1940285891
SNP_P1_63536_23753163	NC_021163.1	Ca_kabuli_chr04	23753163	TT	CC	1940285893
SNP_P1_63539_23757424	NC_021163.1	Ca_kabuli_chr04	23757424	TT	AA	1940285895
SNP_P1_63540_23757793	NC_021163.1	Ca_kabuli_chr04	23757793	AA	GG	1940285896
SNP_P1_63541_23757794	NC_021163.1	Ca_kabuli_chr04	23757794	AA	GG	1940285898
SNP_P1_63542_23758168	NC_021163.1	Ca_kabuli_chr04	23758168	AA	GG	1940285899
SNP_P1_63544_23760401	NC_021163.1	Ca_kabuli_chr04	23760401	TT	GG	1940285901
SNP_P1_63545_23760468	NC_021163.1	Ca_kabuli_chr04	23760468	TT	GG	1940285903
SNP_P1_63546_23760470	NC_021163.1	Ca_kabuli_chr04	23760470	AA	TT	1940285904
SNP_P1_63547_23765275	NC_021163.1	Ca_kabuli_chr04	23765275	TT	AA	1940285906
SNP_P1_63548_23815507	NC_021163.1	Ca_kabuli_chr04	23815507	GG	AA	1940285907
SNP_P1_63549_23824759	NC_021163.1	Ca_kabuli_chr04	23824759	AA	TT	1940285909
SNP_P1_63550_23824761	NC_021163.1	Ca_kabuli_chr04	23824761	GG	CC	1940285911
SNP_P1_63551_23827811	NC_021163.1	Ca_kabuli_chr04	23827811	GG	AA	1940285912
SNP_P1_63552_23827904	NC_021163.1	Ca_kabuli_chr04	23827904	CC	TT	1940285914
SNP_P1_63553_23827913	NC_021163.1	Ca_kabuli_chr04	23827913	TT	GG	1940285915
SNP_P1_63554_23828018	NC_021163.1	Ca_kabuli_chr04	23828018	CC	AA	1940285917
SNP_P1_63555_23828033	NC_021163.1	Ca_kabuli_chr04	23828033	AA	TT	1940285919
SNP_P1_63557_23828135	NC_021163.1	Ca_kabuli_chr04	23828135	GG	AA	1940285920
SNP_P1_63558_23828187	NC_021163.1	Ca_kabuli_chr04	23828187	AA	TT	1940285922
SNP_P1_63559_23828307	NC_021163.1	Ca_kabuli_chr04	23828307	CC	TT	1940285924
SNP_P1_63560_23828330	NC_021163.1	Ca_kabuli_chr04	23828330	CC	TT	1940285925
SNP_P1_63561_23844546	NC_021163.1	Ca_kabuli_chr04	23844546	GG	AA	1940285927
SNP_P1_63562_23854881	NC_021163.1	Ca_kabuli_chr04	23854881	CC	TT	1940285928
SNP_P1_63563_23855676	NC_021163.1	Ca_kabuli_chr04	23855676	TT	CC	1940285930
SNP_P1_63565_23918850	NC_021163.1	Ca_kabuli_chr04	23918850	TT	GG	1940285932

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63568_23962927	NC_021163.1	Ca_kabuli_chr04	23962927	AA	TT	1940285935
SNP_P1_63569_23962929	NC_021163.1	Ca_kabuli_chr04	23962929	AA	CC	1940285936
SNP_P1_63570_23965875	NC_021163.1	Ca_kabuli_chr04	23965875	TT	CC	1940285938
SNP_P1_63571_23967952	NC_021163.1	Ca_kabuli_chr04	23967952	AA	GG	1940285940
SNP_P1_63572_23969480	NC_021163.1	Ca_kabuli_chr04	23969480	CC	TT	1940285941
SNP_P1_63573_23975452	NC_021163.1	Ca_kabuli_chr04	23975452	GG	AA	1940285943
SNP_P1_63575_23984815	NC_021163.1	Ca_kabuli_chr04	23984815	CC	AA	1940285945
SNP_P1_63576_23991267	NC_021163.1	Ca_kabuli_chr04	23991267	GG	AA	1940285946
SNP_P1_63577_23998357	NC_021163.1	Ca_kabuli_chr04	23998357	TT	CC	1940285948
SNP_P1_63578_24001310	NC_021163.1	Ca_kabuli_chr04	24001310	AA	GG	1940285949
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SNP_P1_63580_24013055	NC_021163.1	Ca_kabuli_chr04	24013055	TT	CC	1940285953
SNP_P1_63581_24034321	NC_021163.1	Ca_kabuli_chr04	24034321	CC	TT	1940285954
SNP_P1_63582_24043941	NC_021163.1	Ca_kabuli_chr04	24043941	CC	TT	1940285956
SNP_P1_63583_24057180	NC_021163.1	Ca_kabuli_chr04	24057180	TT	CC	1940285957
SNP_P1_63584_24063613	NC_021163.1	Ca_kabuli_chr04	24063613	GG	AA	1940285959
SNP_P1_63585_24063617	NC_021163.1	Ca_kabuli_chr04	24063617	TT	CC	1940285961
SNP_P1_63586_24063619	NC_021163.1	Ca_kabuli_chr04	24063619	AA	GG	1940285962
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SNP_P1_63589_24063978	NC_021163.1	Ca_kabuli_chr04	24063978	GG	AA	1940285967
SNP_P1_63591_24076741	NC_021163.1	Ca_kabuli_chr04	24076741	TT	AA	1940285969
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SNP_P1_63593_24087113	NC_021163.1	Ca_kabuli_chr04	24087113	AA	GG	1940285972
SNP_P1_63594_24088957	NC_021163.1	Ca_kabuli_chr04	24088957	CC	TT	1940285973
SNP_P1_63595_24091976	NC_021163.1	Ca_kabuli_chr04	24091976	AA	TT	1940285975
SNP_P1_63596_24096017	NC_021163.1	Ca_kabuli_chr04	24096017	TT	CC	1940285977
SNP_P1_63597_24096072	NC_021163.1	Ca_kabuli_chr04	24096072	AA	GG	1940285978
SNP_P1_63599_24110470	NC_021163.1	Ca_kabuli_chr04	24110470	TT	AA	1940285980
SNP_P1_63600_24112693	NC_021163.1	Ca_kabuli_chr04	24112693	GG	TT	1940285981
SNP_P1_63601_24113024	NC_021163.1	Ca_kabuli_chr04	24113024	TT	GG	1940285983
SNP_P1_63602_24114551	NC_021163.1	Ca_kabuli_chr04	24114551	GG	AA	1940285985
SNP_P1_63604_24118805	NC_021163.1	Ca_kabuli_chr04	24118805	TT	GG	1940285986
SNP_P1_63605_24139165	NC_021163.1	Ca_kabuli_chr04	24139165	GG	AA	1940285988
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SNP_P1_63608_24143322	NC_021163.1	Ca_kabuli_chr04	24143322	GG	AA	1940285991
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SNP_P1_63611_24158258	NC_021163.1	Ca_kabuli_chr04	24158258	TT	CC	1940285994
SNP_P1_63613_24189968	NC_021163.1	Ca_kabuli_chr04	24189968	AA	TT	1940285996
SNP_P1_63614_24189975	NC_021163.1	Ca_kabuli_chr04	24189975	GG	TT	1940285998
SNP_P1_63615_24202361	NC_021163.1	Ca_kabuli_chr04	24202361	AA	GG	1940285999

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63618_24215995	NC_021163.1	Ca_kabuli_chr04	24215995	AA	TT	1940286004
SNP_P1_63619_24219555	NC_021163.1	Ca_kabuli_chr04	24219555	AA	GG	1940286006
SNP_P1_63620_24230971	NC_021163.1	Ca_kabuli_chr04	24230971	GG	AA	1940286007
SNP_P1_63621_24236875	NC_021163.1	Ca_kabuli_chr04	24236875	TT	CC	1940286009
SNP_P1_63622_24239512	NC_021163.1	Ca_kabuli_chr04	24239512	AA	CC	1940286011
SNP_P1_63625_24276132	NC_021163.1	Ca_kabuli_chr04	24276132	TT	CC	1940286012
SNP_P1_63627_24285617	NC_021163.1	Ca_kabuli_chr04	24285617	GG	AA	1940286014
SNP_P1_63628_24286631	NC_021163.1	Ca_kabuli_chr04	24286631	GG	AA	1940286015
SNP_P1_63629_24290299	NC_021163.1	Ca_kabuli_chr04	24290299	CC	GG	1940286017
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SNP_P1_63631_24326929	NC_021163.1	Ca_kabuli_chr04	24326929	AA	GG	1940286020
SNP_P1_63633_24341200	NC_021163.1	Ca_kabuli_chr04	24341200	AA	CC	1940286022
SNP_P1_63634_24345925	NC_021163.1	Ca_kabuli_chr04	24345925	TT	CC	1940286023
SNP_P1_63635_24347995	NC_021163.1	Ca_kabuli_chr04	24347995	CC	TT	1940286025
SNP_P1_63636_24350107	NC_021163.1	Ca_kabuli_chr04	24350107	TT	CC	1940286026
SNP_P1_63637_24350109	NC_021163.1	Ca_kabuli_chr04	24350109	TT	AA	1940286028
SNP_P1_63638_24350136	NC_021163.1	Ca_kabuli_chr04	24350136	TT	CC	1940286030
SNP_P1_63639_24350159	NC_021163.1	Ca_kabuli_chr04	24350159	TT	GG	1940286031
SNP_P1_63640_24350213	NC_021163.1	Ca_kabuli_chr04	24350213	TT	CC	1940286033
SNP_P1_63641_24350226	NC_021163.1	Ca_kabuli_chr04	24350226	CC	TT	1940286035
SNP_P1_63642_24350372	NC_021163.1	Ca_kabuli_chr04	24350372	CC	TT	1940286036
SNP_P1_63643_24350424	NC_021163.1	Ca_kabuli_chr04	24350424	AA	GG	1940286038
SNP_P1_63644_24352425	NC_021163.1	Ca_kabuli_chr04	24352425	CC	TT	1940286039
SNP_P1_63645_24356954	NC_021163.1	Ca_kabuli_chr04	24356954	TT	GG	1940286041
SNP_P1_63646_24357057	NC_021163.1	Ca_kabuli_chr04	24357057	TT	GG	1940286042
SNP_P1_63647_24357070	NC_021163.1	Ca_kabuli_chr04	24357070	TT	GG	1940286044
SNP_P1_63649_24364594	NC_021163.1	Ca_kabuli_chr04	24364594	AA	CC	1940286046
SNP_P1_63650_24365186	NC_021163.1	Ca_kabuli_chr04	24365186	TT	CC	1940286047
SNP_P1_63651_24368035	NC_021163.1	Ca_kabuli_chr04	24368035	AA	TT	1940286049
SNP_P1_63652_24368447	NC_021163.1	Ca_kabuli_chr04	24368447	CC	TT	1940286051
SNP_P1_63653_24368528	NC_021163.1	Ca_kabuli_chr04	24368528	TT	CC	1940286052
SNP_P1_63655_24378320	NC_021163.1	Ca_kabuli_chr04	24378320	TT	GG	1940286054
SNP_P1_63656_24379715	NC_021163.1	Ca_kabuli_chr04	24379715	GG	AA	1940286056
SNP_P1_63657_24379880	NC_021163.1	Ca_kabuli_chr04	24379880	GG	AA	1940286057
SNP_P1_63658_24382621	NC_021163.1	Ca_kabuli_chr04	24382621	GG	AA	1940286059
SNP_P1_63661_24398858	NC_021163.1	Ca_kabuli_chr04	24398858	TT	CC	1940286060
SNP_P1_63662_24400345	NC_021163.1	Ca_kabuli_chr04	24400345	CC	GG	1940286062
SNP_P1_63663_24403401	NC_021163.1	Ca_kabuli_chr04	24403401	CC	GG	1940286064
SNP_P1_63664_24417297	NC_021163.1	Ca_kabuli_chr04	24417297	AA	GG	1940286065
SNP_P1_63665_24423524	NC_021163.1	Ca_kabuli_chr04	24423524	GG	CC	1940286067

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63668_24427653	NC_021163.1	Ca_kabuli_chr04	24427653	TT	GG	1940286070
SNP_P1_63669_24436836	NC_021163.1	Ca_kabuli_chr04	24436836	CC	AA	1940286072
SNP_P1_63670_24437737	NC_021163.1	Ca_kabuli_chr04	24437737	TT	CC	1940286073
SNP_P1_63671_24437885	NC_021163.1	Ca_kabuli_chr04	24437885	CC	TT	1940286075
SNP_P1_63673_24438182	NC_021163.1	Ca_kabuli_chr04	24438182	AA	CC	1940286077
SNP_P1_63674_24438222	NC_021163.1	Ca_kabuli_chr04	24438222	GG	AA	1940286078
SNP_P1_63675_24438223	NC_021163.1	Ca_kabuli_chr04	24438223	AA	GG	1940286080
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SNP_P1_63677_24438228	NC_021163.1	Ca_kabuli_chr04	24438228	TT	CC	1940286083
SNP_P1_63678_24438244	NC_021163.1	Ca_kabuli_chr04	24438244	CC	TT	1940286085
SNP_P1_63679_24442892	NC_021163.1	Ca_kabuli_chr04	24442892	TT	GG	1940286086
SNP_P1_63680_24442898	NC_021163.1	Ca_kabuli_chr04	24442898	TT	CC	1940286088
SNP_P1_63681_24442902	NC_021163.1	Ca_kabuli_chr04	24442902	GG	CC	1940286090
SNP_P1_63682_24442904	NC_021163.1	Ca_kabuli_chr04	24442904	GG	AA	1940286091
SNP_P1_63683_24442906	NC_021163.1	Ca_kabuli_chr04	24442906	GG	AA	1940286093
SNP_P1_63684_24442907	NC_021163.1	Ca_kabuli_chr04	24442907	TT	CC	1940286094
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SNP_P1_63687_24443045	NC_021163.1	Ca_kabuli_chr04	24443045	CC	TT	1940286098
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SNP_P1_63697_24453523	NC_021163.1	Ca_kabuli_chr04	24453523	CC	TT	1940286114
SNP_P1_63698_24453739	NC_021163.1	Ca_kabuli_chr04	24453739	TT	AA	1940286115
SNP_P1_63699_24453750	NC_021163.1	Ca_kabuli_chr04	24453750	AA	GG	1940286117
SNP_P1_63700_24453752	NC_021163.1	Ca_kabuli_chr04	24453752	AA	TT	1940286118
SNP_P1_63703_24456669	NC_021163.1	Ca_kabuli_chr04	24456669	TT	CC	1940286120
SNP_P1_63704_24456938	NC_021163.1	Ca_kabuli_chr04	24456938	AA	GG	1940286122
SNP_P1_63705_24460050	NC_021163.1	Ca_kabuli_chr04	24460050	TT	GG	1940286123
SNP_P1_63707_24474342	NC_021163.1	Ca_kabuli_chr04	24474342	TT	GG	1940286125
SNP_P1_63708_24476083	NC_021163.1	Ca_kabuli_chr04	24476083	AA	GG	1940286127
SNP_P1_63709_24476211	NC_021163.1	Ca_kabuli_chr04	24476211	AA	TT	1940286128
SNP_P1_63710_24478431	NC_021163.1	Ca_kabuli_chr04	24478431	TT	GG	1940286130
SNP_P1_63711_24478812	NC_021163.1	Ca_kabuli_chr04	24478812	AA	GG	1940286131
SNP_P1_63712_24478837	NC_021163.1	Ca_kabuli_chr04	24478837	TT	CC	1940286133
SNP_P1_63713_24478841	NC_021163.1	Ca_kabuli_chr04	24478841	AA	CC	1940286135

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63718_24479172	NC_021163.1	Ca_kabuli_chr04	24479172	CC	TT	1940286139
SNP_P1_63719_24479186	NC_021163.1	Ca_kabuli_chr04	24479186	AA	TT	1940286141
SNP_P1_63720_24479187	NC_021163.1	Ca_kabuli_chr04	24479187	AA	TT	1940286143
SNP_P1_63721_24479189	NC_021163.1	Ca_kabuli_chr04	24479189	TT	AA	1940286144
SNP_P1_63722_24479205	NC_021163.1	Ca_kabuli_chr04	24479205	GG	AA	1940286146
SNP_P1_63723_24479225	NC_021163.1	Ca_kabuli_chr04	24479225	CC	AA	1940286148
SNP_P1_63724_24479321	NC_021163.1	Ca_kabuli_chr04	24479321	GG	AA	1940286149
SNP_P1_63725_24480772	NC_021163.1	Ca_kabuli_chr04	24480772	AA	TT	1940286151
SNP_P1_63726_24483368	NC_021163.1	Ca_kabuli_chr04	24483368	GG	TT	1940286152
SNP_P1_63727_24484637	NC_021163.1	Ca_kabuli_chr04	24484637	GG	AA	1940286154
SNP_P1_63728_24489515	NC_021163.1	Ca_kabuli_chr04	24489515	CC	AA	1940286156
SNP_P1_63729_24494560	NC_021163.1	Ca_kabuli_chr04	24494560	GG	AA	1940286157
SNP_P1_63730_24495118	NC_021163.1	Ca_kabuli_chr04	24495118	TT	CC	1940286159
SNP_P1_63731_24496195	NC_021163.1	Ca_kabuli_chr04	24496195	TT	AA	1940286160
SNP_P1_63734_24512995	NC_021163.1	Ca_kabuli_chr04	24512995	AA	TT	1940286162
SNP_P1_63735_24518536	NC_021163.1	Ca_kabuli_chr04	24518536	AA	GG	1940286164
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SNP_P1_63738_24538326	NC_021163.1	Ca_kabuli_chr04	24538326	TT	AA	1940286168
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SNP_P1_63740_24550771	NC_021163.1	Ca_kabuli_chr04	24550771	TT	CC	1940286172
SNP_P1_63744_24556522	NC_021163.1	Ca_kabuli_chr04	24556522	CC	AA	1940286173
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SNP_P1_63746_24556535	NC_021163.1	Ca_kabuli_chr04	24556535	CC	TT	1940286176
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SNP_P1_63749_24564476	NC_021163.1	Ca_kabuli_chr04	24564476	GG	TT	1940286181
SNP_P1_63750_24564745	NC_021163.1	Ca_kabuli_chr04	24564745	AA	GG	1940286183
SNP_P1_63751_24566316	NC_021163.1	Ca_kabuli_chr04	24566316	AA	GG	1940286184
SNP_P1_63752_24566880	NC_021163.1	Ca_kabuli_chr04	24566880	TT	CC	1940286186
SNP_P1_63753_24568261	NC_021163.1	Ca_kabuli_chr04	24568261	GG	TT	1940286188
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SNP_P1_63760_24581610	NC_021163.1	Ca_kabuli_chr04	24581610	GG	AA	1940286196
SNP_P1_63761_24581967	NC_021163.1	Ca_kabuli_chr04	24581967	CC	AA	1940286197
SNP_P1_63762_24584157	NC_021163.1	Ca_kabuli_chr04	24584157	GG	TT	1940286199
SNP_P1_63763_24590805	NC_021163.1	Ca_kabuli_chr04	24590805	GG	CC	1940286201
SNP_P1_63764_24595677	NC_021163.1	Ca_kabuli_chr04	24595677	AA	TT	1940286202

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63768_24609946	NC_021163.1	Ca_kabuli_chr04	24609946	AA	GG	1940286207
SNP_P1_63769_24610010	NC_021163.1	Ca_kabuli_chr04	24610010	TT	CC	1940286209
SNP_P1_63772_24626204	NC_021163.1	Ca_kabuli_chr04	24626204	AA	GG	1940286210
SNP_P1_63774_24628721	NC_021163.1	Ca_kabuli_chr04	24628721	TT	GG	1940286212
SNP_P1_63775_24628729	NC_021163.1	Ca_kabuli_chr04	24628729	AA	TT	1940286213
SNP_P1_63776_24629083	NC_021163.1	Ca_kabuli_chr04	24629083	TT	GG	1940286215
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SNP_P1_63778_24630863	NC_021163.1	Ca_kabuli_chr04	24630863	TT	AA	1940286218
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SNP_P1_63781_24643397	NC_021163.1	Ca_kabuli_chr04	24643397	CC	GG	1940286223
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SNP_P1_63783_24653684	NC_021163.1	Ca_kabuli_chr04	24653684	GG	CC	1940286226
SNP_P1_63784_24657087	NC_021163.1	Ca_kabuli_chr04	24657087	CC	TT	1940286228
SNP_P1_63785_24666559	NC_021163.1	Ca_kabuli_chr04	24666559	AA	GG	1940286230
SNP_P1_63786_24666771	NC_021163.1	Ca_kabuli_chr04	24666771	CC	TT	1940286231
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SNP_P1_63803_24722520	NC_021163.1	Ca_kabuli_chr04	24722520	TT	CC	1940286254
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SNP_P1_63811_24760113	NC_021163.1	Ca_kabuli_chr04	24760113	AA	TT	1940286264
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SNP_P1_63813_24760394	NC_021163.1	Ca_kabuli_chr04	24760394	TT	CC	1940286267
SNP_P1_63814_24760416	NC_021163.1	Ca_kabuli_chr04	24760416	TT	CC	1940286268
SNP_P1_63815_24760417	NC_021163.1	Ca_kabuli_chr04	24760417	GG	AA	1940286270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63819_24773596	NC_021163.1	Ca_kabuli_chr04	24773596	CC	TT	1940286277
SNP_P1_63820_24777134	NC_021163.1	Ca_kabuli_chr04	24777134	AA	CC	1940286278
SNP_P1_63821_24777146	NC_021163.1	Ca_kabuli_chr04	24777146	TT	CC	1940286280
SNP_P1_63822_24777317	NC_021163.1	Ca_kabuli_chr04	24777317	TT	CC	1940286281
SNP_P1_63823_24777456	NC_021163.1	Ca_kabuli_chr04	24777456	CC	AA	1940286283
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SNP_P1_63826_24777519	NC_021163.1	Ca_kabuli_chr04	24777519	TT	CC	1940286290
SNP_P1_63827_24777521	NC_021163.1	Ca_kabuli_chr04	24777521	GG	TT	1940286291
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SNP_P1_63838_24789763	NC_021163.1	Ca_kabuli_chr04	24789763	AA	GG	1940286307
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SNP_P1_63840_24793011	NC_021163.1	Ca_kabuli_chr04	24793011	GG	TT	1940286310
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SNP_P1_63843_24797183	NC_021163.1	Ca_kabuli_chr04	24797183	AA	CC	1940286315
SNP_P1_63844_24797930	NC_021163.1	Ca_kabuli_chr04	24797930	TT	CC	1940286317
SNP_P1_63845_24798170	NC_021163.1	Ca_kabuli_chr04	24798170	AA	GG	1940286318
SNP_P1_63846_24798437	NC_021163.1	Ca_kabuli_chr04	24798437	TT	GG	1940286320
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SNP_P1_63849_24809140	NC_021163.1	Ca_kabuli_chr04	24809140	AA	GG	1940286325
SNP_P1_63850_24822026	NC_021163.1	Ca_kabuli_chr04	24822026	GG	AA	1940286327
SNP_P1_63851_24825218	NC_021163.1	Ca_kabuli_chr04	24825218	AA	GG	1940286328
SNP_P1_63852_24828207	NC_021163.1	Ca_kabuli_chr04	24828207	TT	CC	1940286330
SNP_P1_63853_24828232	NC_021163.1	Ca_kabuli_chr04	24828232	TT	CC	1940286331
SNP_P1_63855_24832431	NC_021163.1	Ca_kabuli_chr04	24832431	GG	TT	1940286333
SNP_P1_63856_24836802	NC_021163.1	Ca_kabuli_chr04	24836802	TT	CC	1940286335
SNP_P1_63857_24837114	NC_021163.1	Ca_kabuli_chr04	24837114	AA	GG	1940286337
SNP_P1_63858_24837255	NC_021163.1	Ca_kabuli_chr04	24837255	AA	CC	1940286338
SNP_P1_63860_24840434	NC_021163.1	Ca_kabuli_chr04	24840434	GG	TT	1940286340

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_63861_24843111	NC_021163.1	Ca_kabuli_chr04	24843111	AA	GG	1940286341
SNP_P1_63862_24851003	NC_021163.1	Ca_kabuli_chr04	24851003	AA	GG	1940286343
SNP_P1_63863_24870691	NC_021163.1	Ca_kabuli_chr04	24870691	GG	AA	1940286345
SNP_P1_63864_24875582	NC_021163.1	Ca_kabuli_chr04	24875582	CC	TT	1940286346
SNP_P1_63865_24875874	NC_021163.1	Ca_kabuli_chr04	24875874	AA	GG	1940286348
SNP_P1_63866_24876598	NC_021163.1	Ca_kabuli_chr04	24876598	GG	AA	1940286350
SNP_P1_63867_24877472	NC_021163.1	Ca_kabuli_chr04	24877472	CC	AA	1940286351
SNP_P1_63868_24877545	NC_021163.1	Ca_kabuli_chr04	24877545	CC	TT	1940286353
SNP_P1_63869_24877556	NC_021163.1	Ca_kabuli_chr04	24877556	AA	CC	1940286354
SNP_P1_63870_24877575	NC_021163.1	Ca_kabuli_chr04	24877575	AA	GG	1940286356
SNP_P1_63871_24877584	NC_021163.1	Ca_kabuli_chr04	24877584	AA	GG	1940286358
SNP_P1_63872_24877619	NC_021163.1	Ca_kabuli_chr04	24877619	TT	CC	1940286359
SNP_P1_63873_24888479	NC_021163.1	Ca_kabuli_chr04	24888479	TT	AA	1940286361
SNP_P1_63874_24891060	NC_021163.1	Ca_kabuli_chr04	24891060	CC	TT	1940286363
SNP_P1_63876_24898647	NC_021163.1	Ca_kabuli_chr04	24898647	TT	CC	1940286364
SNP_P1_63877_24900220	NC_021163.1	Ca_kabuli_chr04	24900220	CC	GG	1940286366
SNP_P1_63878_24900515	NC_021163.1	Ca_kabuli_chr04	24900515	TT	GG	1940286367
SNP_P1_63879_24904540	NC_021163.1	Ca_kabuli_chr04	24904540	GG	AA	1940286369
SNP_P1_63882_24906804	NC_021163.1	Ca_kabuli_chr04	24906804	TT	CC	1940286371
SNP_P1_63883_24908914	NC_021163.1	Ca_kabuli_chr04	24908914	TT	AA	1940286372
SNP_P1_63884_24908917	NC_021163.1	Ca_kabuli_chr04	24908917	AA	TT	1940286374
SNP_P1_63885_24910254	NC_021163.1	Ca_kabuli_chr04	24910254	TT	AA	1940286375
SNP_P1_63886_24910289	NC_021163.1	Ca_kabuli_chr04	24910289	AA	CC	1940286377
SNP_P1_63887_24910643	NC_021163.1	Ca_kabuli_chr04	24910643	TT	AA	1940286379
SNP_P1_63889_24914825	NC_021163.1	Ca_kabuli_chr04	24914825	TT	GG	1940286380
SNP_P1_63890_24918252	NC_021163.1	Ca_kabuli_chr04	24918252	CC	AA	1940286381
SNP_P1_63891_24919480	NC_021163.1	Ca_kabuli_chr04	24919480	TT	CC	1940286382
SNP_P1_63893_24929516	NC_021163.1	Ca_kabuli_chr04	24929516	TT	CC	1940286384
SNP_P1_63894_24936696	NC_021163.1	Ca_kabuli_chr04	24936696	AA	GG	1940286385
SNP_P1_63895_24939253	NC_021163.1	Ca_kabuli_chr04	24939253	GG	AA	1940286387
SNP_P1_63897_24948799	NC_021163.1	Ca_kabuli_chr04	24948799	TT	AA	1940286389
SNP_P1_63898_24956503	NC_021163.1	Ca_kabuli_chr04	24956503	GG	AA	1940286390
SNP_P1_63899_24956633	NC_021163.1	Ca_kabuli_chr04	24956633	AA	GG	1940286392
SNP_P1_63900_24958608	NC_021163.1	Ca_kabuli_chr04	24958608	GG	TT	1940286393
SNP_P1_63901_24959976	NC_021163.1	Ca_kabuli_chr04	24959976	CC	TT	1940286395
SNP_P1_63902_24961855	NC_021163.1	Ca_kabuli_chr04	24961855	AA	GG	1940286397
SNP_P1_63903_24965366	NC_021163.1	Ca_kabuli_chr04	24965366	AA	CC	1940286398
SNP_P1_63904_24970340	NC_021163.1	Ca_kabuli_chr04	24970340	AA	TT	1940286400
SNP_P1_63905_24975621	NC_021163.1	Ca_kabuli_chr04	24975621	GG	AA	1940286401
SNP_P1_63907_24996423	NC_021163.1	Ca_kabuli_chr04	24996423	GG	TT	1940286403
SNP_P1_63908_24996662	NC_021163.1	Ca_kabuli_chr04	24996662	GG	AA	1940286405
SNP_P1_63909_24996716	NC_021163.1	Ca_kabuli_chr04	24996716	AA	GG	1940286406

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63911_24996749	NC_021163.1	Ca_kabuli_chr04	24996749	GG	AA	1940286410
SNP_P1_63912_24996903	NC_021163.1	Ca_kabuli_chr04	24996903	TT	CC	1940286411
SNP_P1_63913_24996955	NC_021163.1	Ca_kabuli_chr04	24996955	TT	CC	1940286413
SNP_P1_63914_24996985	NC_021163.1	Ca_kabuli_chr04	24996985	GG	AA	1940286414
SNP_P1_63915_24997314	NC_021163.1	Ca_kabuli_chr04	24997314	TT	CC	1940286416
SNP_P1_63916_24997325	NC_021163.1	Ca_kabuli_chr04	24997325	GG	AA	1940286417
SNP_P1_63917_25011236	NC_021163.1	Ca_kabuli_chr04	25011236	AA	GG	1940286419
SNP_P1_63918_25011251	NC_021163.1	Ca_kabuli_chr04	25011251	AA	TT	1940286420
SNP_P1_63919_25011271	NC_021163.1	Ca_kabuli_chr04	25011271	CC	TT	1940286422
SNP_P1_63920_25011285	NC_021163.1	Ca_kabuli_chr04	25011285	CC	TT	1940286424
SNP_P1_63921_25011287	NC_021163.1	Ca_kabuli_chr04	25011287	TT	GG	1940286425
SNP_P1_63922_25011311	NC_021163.1	Ca_kabuli_chr04	25011311	GG	AA	1940286427
SNP_P1_63923_25011320	NC_021163.1	Ca_kabuli_chr04	25011320	AA	TT	1940286428
SNP_P1_63924_25011326	NC_021163.1	Ca_kabuli_chr04	25011326	AA	GG	1940286430
SNP_P1_63925_25011356	NC_021163.1	Ca_kabuli_chr04	25011356	GG	AA	1940286432
SNP_P1_63926_25011365	NC_021163.1	Ca_kabuli_chr04	25011365	GG	AA	1940286433
SNP_P1_63927_25011576	NC_021163.1	Ca_kabuli_chr04	25011576	AA	GG	1940286435
SNP_P1_63928_25015442	NC_021163.1	Ca_kabuli_chr04	25015442	GG	AA	1940286436
SNP_P1_63929_25018873	NC_021163.1	Ca_kabuli_chr04	25018873	TT	CC	1940286438
SNP_P1_63930_25024256	NC_021163.1	Ca_kabuli_chr04	25024256	GG	TT	1940286440
SNP_P1_63931_25024608	NC_021163.1	Ca_kabuli_chr04	25024608	CC	AA	1940286441
SNP_P1_63932_25024623	NC_021163.1	Ca_kabuli_chr04	25024623	AA	CC	1940286443
SNP_P1_63933_25024830	NC_021163.1	Ca_kabuli_chr04	25024830	AA	CC	1940286445
SNP_P1_63934_25024947	NC_021163.1	Ca_kabuli_chr04	25024947	GG	AA	1940286446
SNP_P1_63935_25025206	NC_021163.1	Ca_kabuli_chr04	25025206	CC	TT	1940286448
SNP_P1_63936_25026727	NC_021163.1	Ca_kabuli_chr04	25026727	AA	CC	1940286449
SNP_P1_63937_25026737	NC_021163.1	Ca_kabuli_chr04	25026737	AA	GG	1940286451
SNP_P1_63938_25026746	NC_021163.1	Ca_kabuli_chr04	25026746	AA	GG	1940286453
SNP_P1_63939_25026755	NC_021163.1	Ca_kabuli_chr04	25026755	TT	GG	1940286454
SNP_P1_63940_25026761	NC_021163.1	Ca_kabuli_chr04	25026761	TT	CC	1940286456
SNP_P1_63941_25026797	NC_021163.1	Ca_kabuli_chr04	25026797	CC	TT	1940286457
SNP_P1_63942_25026799	NC_021163.1	Ca_kabuli_chr04	25026799	AA	GG	1940286459
SNP_P1_63943_25027001	NC_021163.1	Ca_kabuli_chr04	25027001	GG	AA	1940286461
SNP_P1_63944_25027020	NC_021163.1	Ca_kabuli_chr04	25027020	AA	GG	1940286462
SNP_P1_63945_25027030	NC_021163.1	Ca_kabuli_chr04	25027030	TT	CC	1940286464
SNP_P1_63946_25027042	NC_021163.1	Ca_kabuli_chr04	25027042	AA	GG	1940286466
SNP_P1_63947_25027183	NC_021163.1	Ca_kabuli_chr04	25027183	GG	AA	1940286467
SNP_P1_63948_25027637	NC_021163.1	Ca_kabuli_chr04	25027637	AA	GG	1940286469
SNP_P1_63949_25027648	NC_021163.1	Ca_kabuli_chr04	25027648	CC	TT	1940286470
SNP_P1_63950_25027877	NC_021163.1	Ca_kabuli_chr04	25027877	AA	GG	1940286472
SNP_P1_63951_25031495	NC_021163.1	Ca_kabuli_chr04	25031495	CC	TT	1940286473

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63956_25041255	NC_021163.1	Ca_kabuli_chr04	25041255	AA	GG	1940286477
SNP_P1_63957_25041289	NC_021163.1	Ca_kabuli_chr04	25041289	GG	TT	1940286479
SNP_P1_63958_25041293	NC_021163.1	Ca_kabuli_chr04	25041293	CC	GG	1940286481
SNP_P1_63960_25041745	NC_021163.1	Ca_kabuli_chr04	25041745	GG	AA	1940286482
SNP_P1_63961_25041796	NC_021163.1	Ca_kabuli_chr04	25041796	GG	AA	1940286484
SNP_P1_63962_25045965	NC_021163.1	Ca_kabuli_chr04	25045965	GG	AA	1940286485
SNP_P1_63963_25046415	NC_021163.1	Ca_kabuli_chr04	25046415	CC	TT	1940286487
SNP_P1_63964_25046461	NC_021163.1	Ca_kabuli_chr04	25046461	TT	GG	1940286489
SNP_P1_63965_25046963	NC_021163.1	Ca_kabuli_chr04	25046963	AA	GG	1940286490
SNP_P1_63966_25047032	NC_021163.1	Ca_kabuli_chr04	25047032	AA	GG	1940286492
SNP_P1_63967_25047033	NC_021163.1	Ca_kabuli_chr04	25047033	TT	GG	1940286493
SNP_P1_63968_25047046	NC_021163.1	Ca_kabuli_chr04	25047046	TT	GG	1940286495
SNP_P1_63969_25047110	NC_021163.1	Ca_kabuli_chr04	25047110	GG	AA	1940286497
SNP_P1_63970_25047171	NC_021163.1	Ca_kabuli_chr04	25047171	GG	CC	1940286498
SNP_P1_63971_25047231	NC_021163.1	Ca_kabuli_chr04	25047231	CC	TT	1940286500
SNP_P1_63972_25047279	NC_021163.1	Ca_kabuli_chr04	25047279	CC	GG	1940286502
SNP_P1_63973_25047379	NC_021163.1	Ca_kabuli_chr04	25047379	CC	TT	1940286503
SNP_P1_63974_25047557	NC_021163.1	Ca_kabuli_chr04	25047557	CC	TT	1940286505
SNP_P1_63975_25047771	NC_021163.1	Ca_kabuli_chr04	25047771	CC	TT	1940286506
SNP_P1_63976_25047837	NC_021163.1	Ca_kabuli_chr04	25047837	CC	AA	1940286508
SNP_P1_63977_25048510	NC_021163.1	Ca_kabuli_chr04	25048510	TT	AA	1940286510
SNP_P1_63978_25048526	NC_021163.1	Ca_kabuli_chr04	25048526	CC	TT	1940286511
SNP_P1_63979_25048582	NC_021163.1	Ca_kabuli_chr04	25048582	AA	TT	1940286513
SNP_P1_63980_25051487	NC_021163.1	Ca_kabuli_chr04	25051487	TT	CC	1940286514
SNP_P1_63981_25051925	NC_021163.1	Ca_kabuli_chr04	25051925	GG	AA	1940286516
SNP_P1_63982_25051946	NC_021163.1	Ca_kabuli_chr04	25051946	AA	GG	1940286518
SNP_P1_63983_25052542	NC_021163.1	Ca_kabuli_chr04	25052542	GG	AA	1940286519
SNP_P1_63984_25052651	NC_021163.1	Ca_kabuli_chr04	25052651	TT	CC	1940286521
SNP_P1_63985_25053258	NC_021163.1	Ca_kabuli_chr04	25053258	CC	GG	1940286522
SNP_P1_63986_25053677	NC_021163.1	Ca_kabuli_chr04	25053677	TT	GG	1940286524
SNP_P1_63987_25053796	NC_021163.1	Ca_kabuli_chr04	25053796	CC	TT	1940286526
SNP_P1_63988_25054020	NC_021163.1	Ca_kabuli_chr04	25054020	AA	CC	1940286527
SNP_P1_63989_25054468	NC_021163.1	Ca_kabuli_chr04	25054468	AA	GG	1940286529
SNP_P1_63990_25054509	NC_021163.1	Ca_kabuli_chr04	25054509	CC	AA	1940286531
SNP_P1_63991_25054605	NC_021163.1	Ca_kabuli_chr04	25054605	TT	GG	1940286532
SNP_P1_63992_25054873	NC_021163.1	Ca_kabuli_chr04	25054873	GG	TT	1940286534
SNP_P1_63993_25055171	NC_021163.1	Ca_kabuli_chr04	25055171	AA	CC	1940286535
SNP_P1_63994_25055211	NC_021163.1	Ca_kabuli_chr04	25055211	CC	TT	1940286537
SNP_P1_63996_25059399	NC_021163.1	Ca_kabuli_chr04	25059399	GG	AA	1940286539
SNP_P1_63997_25059401	NC_021163.1	Ca_kabuli_chr04	25059401	TT	CC	1940286540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_63999_25059432	NC_021163.1	Ca_kabuli_chr04	25059432	AA	GG	1940286543
SNP_P1_64000_25059482	NC_021163.1	Ca_kabuli_chr04	25059482	AA	GG	1940286545
SNP_P1_64001_25060379	NC_021163.1	Ca_kabuli_chr04	25060379	GG	AA	1940286547
SNP_P1_64002_25060402	NC_021163.1	Ca_kabuli_chr04	25060402	TT	CC	1940286548
SNP_P1_64003_25060403	NC_021163.1	Ca_kabuli_chr04	25060403	TT	CC	1940286550
SNP_P1_64004_25060676	NC_021163.1	Ca_kabuli_chr04	25060676	TT	CC	1940286552
SNP_P1_64005_25062962	NC_021163.1	Ca_kabuli_chr04	25062962	AA	CC	1940286553
SNP_P1_64006_25064164	NC_021163.1	Ca_kabuli_chr04	25064164	AA	GG	1940286555
SNP_P1_64007_25064235	NC_021163.1	Ca_kabuli_chr04	25064235	GG	AA	1940286556
SNP_P1_64008_25066438	NC_021163.1	Ca_kabuli_chr04	25066438	AA	GG	1940286558
SNP_P1_64009_25066987	NC_021163.1	Ca_kabuli_chr04	25066987	CC	AA	1940286560
SNP_P1_64010_25067188	NC_021163.1	Ca_kabuli_chr04	25067188	TT	CC	1940286561
SNP_P1_64011_25067217	NC_021163.1	Ca_kabuli_chr04	25067217	TT	AA	1940286563
SNP_P1_64012_25067267	NC_021163.1	Ca_kabuli_chr04	25067267	TT	CC	1940286564
SNP_P1_64013_25067269	NC_021163.1	Ca_kabuli_chr04	25067269	TT	CC	1940286566
SNP_P1_64014_25067421	NC_021163.1	Ca_kabuli_chr04	25067421	GG	AA	1940286568
SNP_P1_64015_25067592	NC_021163.1	Ca_kabuli_chr04	25067592	TT	GG	1940286569
SNP_P1_64016_25067676	NC_021163.1	Ca_kabuli_chr04	25067676	CC	GG	1940286571
SNP_P1_64017_25067706	NC_021163.1	Ca_kabuli_chr04	25067706	AA	CC	1940286573
SNP_P1_64018_25067762	NC_021163.1	Ca_kabuli_chr04	25067762	AA	CC	1940286574
SNP_P1_64019_25067764	NC_021163.1	Ca_kabuli_chr04	25067764	GG	AA	1940286576
SNP_P1_64020_25067765	NC_021163.1	Ca_kabuli_chr04	25067765	AA	CC	1940286577
SNP_P1_64021_25068341	NC_021163.1	Ca_kabuli_chr04	25068341	GG	AA	1940286579
SNP_P1_64022_25069256	NC_021163.1	Ca_kabuli_chr04	25069256	CC	GG	1940286581
SNP_P1_64023_25070433	NC_021163.1	Ca_kabuli_chr04	25070433	CC	AA	1940286582
SNP_P1_64026_25071009	NC_021163.1	Ca_kabuli_chr04	25071009	CC	TT	1940286584
SNP_P1_64027_25071036	NC_021163.1	Ca_kabuli_chr04	25071036	TT	GG	1940286585
SNP_P1_64028_25071094	NC_021163.1	Ca_kabuli_chr04	25071094	CC	TT	1940286587
SNP_P1_64029_25071164	NC_021163.1	Ca_kabuli_chr04	25071164	GG	TT	1940286589
SNP_P1_64031_25071346	NC_021163.1	Ca_kabuli_chr04	25071346	CC	GG	1940286590
SNP_P1_64032_25071476	NC_021163.1	Ca_kabuli_chr04	25071476	GG	CC	1940286592
SNP_P1_64033_25071599	NC_021163.1	Ca_kabuli_chr04	25071599	GG	AA	1940286593
SNP_P1_64034_25072802	NC_021163.1	Ca_kabuli_chr04	25072802	GG	TT	1940286595
SNP_P1_64035_25074132	NC_021163.1	Ca_kabuli_chr04	25074132	TT	CC	1940286597
SNP_P1_64036_25074136	NC_021163.1	Ca_kabuli_chr04	25074136	AA	GG	1940286598
SNP_P1_64038_25074287	NC_021163.1	Ca_kabuli_chr04	25074287	AA	GG	1940286600
SNP_P1_64039_25074508	NC_021163.1	Ca_kabuli_chr04	25074508	TT	CC	1940286602
SNP_P1_64040_25074574	NC_021163.1	Ca_kabuli_chr04	25074574	CC	TT	1940286603
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SNP_P1_64042_25074654	NC_021163.1	Ca_kabuli_chr04	25074654	AA	CC	1940286607
SNP_P1_64043_25074705	NC_021163.1	Ca_kabuli_chr04	25074705	CC	TT	1940286608

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64047_25084644	NC_021163.1	Ca_kabuli_chr04	25084644	TT	CC	1940286613
SNP_P1_64049_25089253	NC_021163.1	Ca_kabuli_chr04	25089253	CC	GG	1940286614
SNP_P1_64050_25089264	NC_021163.1	Ca_kabuli_chr04	25089264	TT	CC	1940286616
SNP_P1_64051_25089354	NC_021163.1	Ca_kabuli_chr04	25089354	AA	TT	1940286618
SNP_P1_64052_25089362	NC_021163.1	Ca_kabuli_chr04	25089362	CC	AA	1940286619
SNP_P1_64053_25089375	NC_021163.1	Ca_kabuli_chr04	25089375	AA	GG	1940286621
SNP_P1_64055_25100196	NC_021163.1	Ca_kabuli_chr04	25100196	GG	AA	1940286622
SNP_P1_64056_25100547	NC_021163.1	Ca_kabuli_chr04	25100547	CC	TT	1940286624
SNP_P1_64057_25100967	NC_021163.1	Ca_kabuli_chr04	25100967	CC	TT	1940286626
SNP_P1_64059_25101783	NC_021163.1	Ca_kabuli_chr04	25101783	AA	GG	1940286627
SNP_P1_64060_25103915	NC_021163.1	Ca_kabuli_chr04	25103915	GG	CC	1940286629
SNP_P1_64061_25104513	NC_021163.1	Ca_kabuli_chr04	25104513	AA	GG	1940286630
SNP_P1_64062_25105960	NC_021163.1	Ca_kabuli_chr04	25105960	GG	AA	1940286632
SNP_P1_64063_25106154	NC_021163.1	Ca_kabuli_chr04	25106154	TT	CC	1940286634
SNP_P1_64064_25106164	NC_021163.1	Ca_kabuli_chr04	25106164	TT	CC	1940286635
SNP_P1_64065_25106400	NC_021163.1	Ca_kabuli_chr04	25106400	CC	AA	1940286637
SNP_P1_64067_25109589	NC_021163.1	Ca_kabuli_chr04	25109589	CC	TT	1940286638
SNP_P1_64068_25109634	NC_021163.1	Ca_kabuli_chr04	25109634	GG	TT	1940286640
SNP_P1_64069_25109665	NC_021163.1	Ca_kabuli_chr04	25109665	GG	CC	1940286641
SNP_P1_64070_25109675	NC_021163.1	Ca_kabuli_chr04	25109675	AA	TT	1940286643
SNP_P1_64071_25110079	NC_021163.1	Ca_kabuli_chr04	25110079	GG	TT	1940286645
SNP_P1_64072_25111752	NC_021163.1	Ca_kabuli_chr04	25111752	TT	GG	1940286646
SNP_P1_64073_25113664	NC_021163.1	Ca_kabuli_chr04	25113664	AA	CC	1940286648
SNP_P1_64074_25116829	NC_021163.1	Ca_kabuli_chr04	25116829	CC	TT	1940286649
SNP_P1_64075_25116887	NC_021163.1	Ca_kabuli_chr04	25116887	GG	AA	1940286651
SNP_P1_64076_25117235	NC_021163.1	Ca_kabuli_chr04	25117235	TT	CC	1940286653
SNP_P1_64077_25117377	NC_021163.1	Ca_kabuli_chr04	25117377	TT	CC	1940286654
SNP_P1_64078_25117456	NC_021163.1	Ca_kabuli_chr04	25117456	CC	TT	1940286656
SNP_P1_64079_25122002	NC_021163.1	Ca_kabuli_chr04	25122002	GG	AA	1940286657
SNP_P1_64080_25122375	NC_021163.1	Ca_kabuli_chr04	25122375	AA	GG	1940286659
SNP_P1_64081_25124840	NC_021163.1	Ca_kabuli_chr04	25124840	TT	CC	1940286660
SNP_P1_64082_25125328	NC_021163.1	Ca_kabuli_chr04	25125328	GG	AA	1940286662
SNP_P1_64083_25125353	NC_021163.1	Ca_kabuli_chr04	25125353	CC	GG	1940286664
SNP_P1_64084_25125526	NC_021163.1	Ca_kabuli_chr04	25125526	CC	AA	1940286666
SNP_P1_64085_25129885	NC_021163.1	Ca_kabuli_chr04	25129885	AA	GG	1940286669
SNP_P1_64086_25130369	NC_021163.1	Ca_kabuli_chr04	25130369	TT	CC	1940286671
SNP_P1_64087_25133600	NC_021163.1	Ca_kabuli_chr04	25133600	CC	GG	1940286673
SNP_P1_64088_25133605	NC_021163.1	Ca_kabuli_chr04	25133605	CC	AA	1940286676
SNP_P1_64089_25133606	NC_021163.1	Ca_kabuli_chr04	25133606	TT	AA	1940286678
SNP_P1_64090_25134034	NC_021163.1	Ca_kabuli_chr04	25134034	GG	AA	1940286681

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64092_25135241	NC_021163.1	Ca_kabuli_chr04	25135241	AA	GG	1940286684
SNP_P1_64093_25135295	NC_021163.1	Ca_kabuli_chr04	25135295	GG	CC	1940286686
SNP_P1_64094_25136143	NC_021163.1	Ca_kabuli_chr04	25136143	GG	AA	1940286687
SNP_P1_64095_25136481	NC_021163.1	Ca_kabuli_chr04	25136481	GG	AA	1940286689
SNP_P1_64096_25136608	NC_021163.1	Ca_kabuli_chr04	25136608	TT	AA	1940286691
SNP_P1_64097_25136683	NC_021163.1	Ca_kabuli_chr04	25136683	AA	GG	1940286692
SNP_P1_64098_25136750	NC_021163.1	Ca_kabuli_chr04	25136750	GG	AA	1940286694
SNP_P1_64099_25136982	NC_021163.1	Ca_kabuli_chr04	25136982	GG	AA	1940286696
SNP_P1_64101_25137459	NC_021163.1	Ca_kabuli_chr04	25137459	TT	CC	1940286697
SNP_P1_64102_25138911	NC_021163.1	Ca_kabuli_chr04	25138911	CC	AA	1940286699
SNP_P1_64103_25141481	NC_021163.1	Ca_kabuli_chr04	25141481	TT	CC	1940286700
SNP_P1_64104_25144874	NC_021163.1	Ca_kabuli_chr04	25144874	TT	CC	1940286702
SNP_P1_64105_25148070	NC_021163.1	Ca_kabuli_chr04	25148070	CC	AA	1940286703
SNP_P1_64106_25148305	NC_021163.1	Ca_kabuli_chr04	25148305	AA	CC	1940286705
SNP_P1_64107_25148613	NC_021163.1	Ca_kabuli_chr04	25148613	GG	TT	1940286707
SNP_P1_64108_25151648	NC_021163.1	Ca_kabuli_chr04	25151648	AA	GG	1940286708
SNP_P1_64109_25151651	NC_021163.1	Ca_kabuli_chr04	25151651	GG	TT	1940286710
SNP_P1_64112_25154833	NC_021163.1	Ca_kabuli_chr04	25154833	TT	AA	1940286711
SNP_P1_64114_25157229	NC_021163.1	Ca_kabuli_chr04	25157229	GG	CC	1940286713
SNP_P1_64115_25158110	NC_021163.1	Ca_kabuli_chr04	25158110	TT	CC	1940286714
SNP_P1_64117_25159063	NC_021163.1	Ca_kabuli_chr04	25159063	GG	AA	1940286715
SNP_P1_64118_25161199	NC_021163.1	Ca_kabuli_chr04	25161199	CC	TT	1940286717
SNP_P1_64119_25161374	NC_021163.1	Ca_kabuli_chr04	25161374	GG	AA	1940286718
SNP_P1_64120_25163007	NC_021163.1	Ca_kabuli_chr04	25163007	GG	AA	1940286719
SNP_P1_64121_25163163	NC_021163.1	Ca_kabuli_chr04	25163163	TT	CC	1940286720
SNP_P1_64122_25163357	NC_021163.1	Ca_kabuli_chr04	25163357	AA	GG	1940286721
SNP_P1_64123_25164979	NC_021163.1	Ca_kabuli_chr04	25164979	CC	TT	1940286722
SNP_P1_64124_25166376	NC_021163.1	Ca_kabuli_chr04	25166376	GG	AA	1940286724
SNP_P1_64125_25168094	NC_021163.1	Ca_kabuli_chr04	25168094	TT	GG	1940286725
SNP_P1_64126_25169656	NC_021163.1	Ca_kabuli_chr04	25169656	AA	TT	1940286726
SNP_P1_64127_25172059	NC_021163.1	Ca_kabuli_chr04	25172059	GG	AA	1940286727
SNP_P1_64128_25173594	NC_021163.1	Ca_kabuli_chr04	25173594	AA	GG	1940286729
SNP_P1_64129_25174941	NC_021163.1	Ca_kabuli_chr04	25174941	CC	TT	1940286730
SNP_P1_64130_25175225	NC_021163.1	Ca_kabuli_chr04	25175225	TT	CC	1940286731
SNP_P1_64132_25177855	NC_021163.1	Ca_kabuli_chr04	25177855	TT	CC	1940286732
SNP_P1_64133_25177872	NC_021163.1	Ca_kabuli_chr04	25177872	AA	GG	1940286734
SNP_P1_64134_25179026	NC_021163.1	Ca_kabuli_chr04	25179026	GG	AA	1940286735
SNP_P1_64135_25183590	NC_021163.1	Ca_kabuli_chr04	25183590	AA	TT	1940286736
SNP_P1_64136_25185247	NC_021163.1	Ca_kabuli_chr04	25185247	CC	TT	1940286737
SNP_P1_64137_25185322	NC_021163.1	Ca_kabuli_chr04	25185322	TT	CC	1940286739
SNP_P1_64139_25187841	NC_021163.1	Ca_kabuli_chr04	25187841	GG	AA	1940286740

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64141_25190215	NC_021163.1	Ca_kabuli_chr04	25190215	AA	CC	1940286743
SNP_P1_64143_25193204	NC_021163.1	Ca_kabuli_chr04	25193204	CC	TT	1940286745
SNP_P1_64144_25200782	NC_021163.1	Ca_kabuli_chr04	25200782	TT	CC	1940286746
SNP_P1_64145_25200978	NC_021163.1	Ca_kabuli_chr04	25200978	GG	TT	1940286748
SNP_P1_64146_25201469	NC_021163.1	Ca_kabuli_chr04	25201469	AA	TT	1940286750
SNP_P1_64147_25202318	NC_021163.1	Ca_kabuli_chr04	25202318	GG	TT	1940286752
SNP_P1_64148_25202618	NC_021163.1	Ca_kabuli_chr04	25202618	CC	TT	1940286753
SNP_P1_64149_25204153	NC_021163.1	Ca_kabuli_chr04	25204153	AA	GG	1940286755
SNP_P1_64150_25204619	NC_021163.1	Ca_kabuli_chr04	25204619	AA	GG	1940286756
SNP_P1_64152_25206024	NC_021163.1	Ca_kabuli_chr04	25206024	AA	GG	1940286758
SNP_P1_64153_25209983	NC_021163.1	Ca_kabuli_chr04	25209983	CC	TT	1940286760
SNP_P1_64154_25210643	NC_021163.1	Ca_kabuli_chr04	25210643	AA	CC	1940286761
SNP_P1_64155_25210709	NC_021163.1	Ca_kabuli_chr04	25210709	AA	CC	1940286763
SNP_P1_64156_25211470	NC_021163.1	Ca_kabuli_chr04	25211470	TT	GG	1940286764
SNP_P1_64157_25213585	NC_021163.1	Ca_kabuli_chr04	25213585	AA	GG	1940286766
SNP_P1_64158_25213707	NC_021163.1	Ca_kabuli_chr04	25213707	GG	AA	1940286768
SNP_P1_64160_25213878	NC_021163.1	Ca_kabuli_chr04	25213878	GG	TT	1940286769
SNP_P1_64161_25214226	NC_021163.1	Ca_kabuli_chr04	25214226	TT	AA	1940286771
SNP_P1_64162_25215121	NC_021163.1	Ca_kabuli_chr04	25215121	AA	GG	1940286772
SNP_P1_64163_25215513	NC_021163.1	Ca_kabuli_chr04	25215513	AA	GG	1940286774
SNP_P1_64164_25215521	NC_021163.1	Ca_kabuli_chr04	25215521	TT	CC	1940286776
SNP_P1_64165_25215527	NC_021163.1	Ca_kabuli_chr04	25215527	TT	AA	1940286777
SNP_P1_64166_25215552	NC_021163.1	Ca_kabuli_chr04	25215552	AA	GG	1940286779
SNP_P1_64167_25215725	NC_021163.1	Ca_kabuli_chr04	25215725	AA	GG	1940286781
SNP_P1_64168_25215779	NC_021163.1	Ca_kabuli_chr04	25215779	AA	CC	1940286783
SNP_P1_64169_25215829	NC_021163.1	Ca_kabuli_chr04	25215829	GG	TT	1940286785
SNP_P1_64170_25216453	NC_021163.1	Ca_kabuli_chr04	25216453	AA	TT	1940286787
SNP_P1_64171_25216501	NC_021163.1	Ca_kabuli_chr04	25216501	AA	GG	1940286788
SNP_P1_64172_25216519	NC_021163.1	Ca_kabuli_chr04	25216519	CC	AA	1940286790
SNP_P1_64173_25216716	NC_021163.1	Ca_kabuli_chr04	25216716	TT	CC	1940286791
SNP_P1_64174_25217575	NC_021163.1	Ca_kabuli_chr04	25217575	TT	AA	1940286793
SNP_P1_64175_25217739	NC_021163.1	Ca_kabuli_chr04	25217739	TT	CC	1940286795
SNP_P1_64176_25217817	NC_021163.1	Ca_kabuli_chr04	25217817	AA	TT	1940286796
SNP_P1_64177_25220099	NC_021163.1	Ca_kabuli_chr04	25220099	AA	GG	1940286798
SNP_P1_64178_25220135	NC_021163.1	Ca_kabuli_chr04	25220135	CC	AA	1940286799
SNP_P1_64179_25222392	NC_021163.1	Ca_kabuli_chr04	25222392	TT	CC	1940286801
SNP_P1_64180_25225460	NC_021163.1	Ca_kabuli_chr04	25225460	CC	TT	1940286803
SNP_P1_64181_25225592	NC_021163.1	Ca_kabuli_chr04	25225592	TT	AA	1940286804
SNP_P1_64182_25226129	NC_021163.1	Ca_kabuli_chr04	25226129	CC	AA	1940286806
SNP_P1_64183_25227029	NC_021163.1	Ca_kabuli_chr04	25227029	GG	AA	1940286808
SNP_P1_64184_25227406	NC_021163.1	Ca_kabuli_chr04	25227406	AA	GG	1940286809

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64186_25228113	NC_021163.1	Ca_kabuli_chr04	25228113	CC	GG	1940286812
SNP_P1_64188_25228981	NC_021163.1	Ca_kabuli_chr04	25228981	GG	AA	1940286814
SNP_P1_64189_25235346	NC_021163.1	Ca_kabuli_chr04	25235346	CC	TT	1940286816
SNP_P1_64190_25235556	NC_021163.1	Ca_kabuli_chr04	25235556	CC	TT	1940286817
SNP_P1_64191_25235607	NC_021163.1	Ca_kabuli_chr04	25235607	AA	TT	1940286819
SNP_P1_64193_25236570	NC_021163.1	Ca_kabuli_chr04	25236570	GG	TT	1940286820
SNP_P1_64194_25237194	NC_021163.1	Ca_kabuli_chr04	25237194	AA	GG	1940286822
SNP_P1_64195_25237195	NC_021163.1	Ca_kabuli_chr04	25237195	CC	TT	1940286824
SNP_P1_64196_25237270	NC_021163.1	Ca_kabuli_chr04	25237270	AA	CC	1940286825
SNP_P1_64197_25237346	NC_021163.1	Ca_kabuli_chr04	25237346	AA	GG	1940286827
SNP_P1_64198_25237491	NC_021163.1	Ca_kabuli_chr04	25237491	TT	GG	1940286828
SNP_P1_64199_25237506	NC_021163.1	Ca_kabuli_chr04	25237506	GG	AA	1940286830
SNP_P1_64200_25237517	NC_021163.1	Ca_kabuli_chr04	25237517	TT	CC	1940286832
SNP_P1_64201_25237702	NC_021163.1	Ca_kabuli_chr04	25237702	TT	CC	1940286833
SNP_P1_64202_25237707	NC_021163.1	Ca_kabuli_chr04	25237707	TT	CC	1940286835
SNP_P1_64203_25237754	NC_021163.1	Ca_kabuli_chr04	25237754	CC	TT	1940286837
SNP_P1_64205_25237838	NC_021163.1	Ca_kabuli_chr04	25237838	CC	TT	1940286839
SNP_P1_64206_25237853	NC_021163.1	Ca_kabuli_chr04	25237853	CC	AA	1940286840
SNP_P1_64207_25237913	NC_021163.1	Ca_kabuli_chr04	25237913	CC	AA	1940286842
SNP_P1_64208_25237945	NC_021163.1	Ca_kabuli_chr04	25237945	AA	CC	1940286843
SNP_P1_64209_25237949	NC_021163.1	Ca_kabuli_chr04	25237949	CC	TT	1940286845
SNP_P1_64211_25237990	NC_021163.1	Ca_kabuli_chr04	25237990	TT	CC	1940286847
SNP_P1_64212_25238058	NC_021163.1	Ca_kabuli_chr04	25238058	CC	TT	1940286848
SNP_P1_64213_25238069	NC_021163.1	Ca_kabuli_chr04	25238069	GG	AA	1940286849
SNP_P1_64214_25238070	NC_021163.1	Ca_kabuli_chr04	25238070	AA	CC	1940286851
SNP_P1_64215_25238071	NC_021163.1	Ca_kabuli_chr04	25238071	TT	AA	1940286853
SNP_P1_64216_25238105	NC_021163.1	Ca_kabuli_chr04	25238105	AA	GG	1940286854
SNP_P1_64217_25238142	NC_021163.1	Ca_kabuli_chr04	25238142	TT	CC	1940286856
SNP_P1_64218_25238180	NC_021163.1	Ca_kabuli_chr04	25238180	AA	CC	1940286858
SNP_P1_64219_25238947	NC_021163.1	Ca_kabuli_chr04	25238947	TT	AA	1940286859
SNP_P1_64221_25239155	NC_021163.1	Ca_kabuli_chr04	25239155	TT	AA	1940286861
SNP_P1_64222_25239216	NC_021163.1	Ca_kabuli_chr04	25239216	TT	CC	1940286862
SNP_P1_64223_25239656	NC_021163.1	Ca_kabuli_chr04	25239656	TT	CC	1940286864
SNP_P1_64224_25239668	NC_021163.1	Ca_kabuli_chr04	25239668	AA	GG	1940286865
SNP_P1_64225_25241814	NC_021163.1	Ca_kabuli_chr04	25241814	TT	CC	1940286867
SNP_P1_64226_25241833	NC_021163.1	Ca_kabuli_chr04	25241833	GG	CC	1940286868
SNP_P1_64227_25241840	NC_021163.1	Ca_kabuli_chr04	25241840	TT	CC	1940286869
SNP_P1_64228_25243071	NC_021163.1	Ca_kabuli_chr04	25243071	CC	TT	1940286871
SNP_P1_64229_25245797	NC_021163.1	Ca_kabuli_chr04	25245797	CC	TT	1940286873
SNP_P1_64230_25250135	NC_021163.1	Ca_kabuli_chr04	25250135	TT	CC	1940286874
SNP_P1_64231_25250144	NC_021163.1	Ca_kabuli_chr04	25250144	GG	AA	1940286876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64234_25253448	NC_021163.1	Ca_kabuli_chr04	25253448	GG	CC	1940286881
SNP_P1_64235_25253466	NC_021163.1	Ca_kabuli_chr04	25253466	AA	CC	1940286882
SNP_P1_64236_25253554	NC_021163.1	Ca_kabuli_chr04	25253554	TT	CC	1940286884
SNP_P1_64237_25255286	NC_021163.1	Ca_kabuli_chr04	25255286	TT	CC	1940286886
SNP_P1_64238_25255547	NC_021163.1	Ca_kabuli_chr04	25255547	AA	GG	1940286887
SNP_P1_64239_25255730	NC_021163.1	Ca_kabuli_chr04	25255730	TT	CC	1940286889
SNP_P1_64240_25255838	NC_021163.1	Ca_kabuli_chr04	25255838	TT	CC	1940286890
SNP_P1_64242_25256415	NC_021163.1	Ca_kabuli_chr04	25256415	TT	CC	1940286892
SNP_P1_64243_25257770	NC_021163.1	Ca_kabuli_chr04	25257770	GG	AA	1940286894
SNP_P1_64244_25257793	NC_021163.1	Ca_kabuli_chr04	25257793	GG	AA	1940286895
SNP_P1_64245_25257794	NC_021163.1	Ca_kabuli_chr04	25257794	GG	AA	1940286897
SNP_P1_64246_25257800	NC_021163.1	Ca_kabuli_chr04	25257800	CC	GG	1940286898
SNP_P1_64247_25258225	NC_021163.1	Ca_kabuli_chr04	25258225	AA	GG	1940286900
SNP_P1_64248_25258608	NC_021163.1	Ca_kabuli_chr04	25258608	TT	AA	1940286902
SNP_P1_64249_25258648	NC_021163.1	Ca_kabuli_chr04	25258648	GG	AA	1940286903
SNP_P1_64250_25258654	NC_021163.1	Ca_kabuli_chr04	25258654	CC	TT	1940286905
SNP_P1_64251_25258924	NC_021163.1	Ca_kabuli_chr04	25258924	CC	TT	1940286907
SNP_P1_64252_25259199	NC_021163.1	Ca_kabuli_chr04	25259199	AA	CC	1940286908
SNP_P1_64253_25259244	NC_021163.1	Ca_kabuli_chr04	25259244	TT	GG	1940286910
SNP_P1_64254_25259531	NC_021163.1	Ca_kabuli_chr04	25259531	CC	TT	1940286912
SNP_P1_64255_25259677	NC_021163.1	Ca_kabuli_chr04	25259677	GG	AA	1940286913
SNP_P1_64256_25259681	NC_021163.1	Ca_kabuli_chr04	25259681	GG	AA	1940286915
SNP_P1_64257_25259695	NC_021163.1	Ca_kabuli_chr04	25259695	CC	GG	1940286916
SNP_P1_64258_25259776	NC_021163.1	Ca_kabuli_chr04	25259776	TT	CC	1940286918
SNP_P1_64259_25259820	NC_021163.1	Ca_kabuli_chr04	25259820	TT	GG	1940286920
SNP_P1_64260_25259866	NC_021163.1	Ca_kabuli_chr04	25259866	TT	CC	1940286921
SNP_P1_64261_25260061	NC_021163.1	Ca_kabuli_chr04	25260061	GG	TT	1940286923
SNP_P1_64262_25260424	NC_021163.1	Ca_kabuli_chr04	25260424	GG	AA	1940286924
SNP_P1_64263_25260446	NC_021163.1	Ca_kabuli_chr04	25260446	GG	TT	1940286926
SNP_P1_64264_25260618	NC_021163.1	Ca_kabuli_chr04	25260618	CC	AA	1940286928
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SNP_P1_64266_25274642	NC_021163.1	Ca_kabuli_chr04	25274642	TT	AA	1940286931
SNP_P1_64267_25274734	NC_021163.1	Ca_kabuli_chr04	25274734	CC	TT	1940286933
SNP_P1_64268_25275013	NC_021163.1	Ca_kabuli_chr04	25275013	AA	GG	1940286934
SNP_P1_64269_25275087	NC_021163.1	Ca_kabuli_chr04	25275087	TT	CC	1940286936
SNP_P1_64270_25275097	NC_021163.1	Ca_kabuli_chr04	25275097	GG	CC	1940286937
SNP_P1_64271_25275142	NC_021163.1	Ca_kabuli_chr04	25275142	TT	CC	1940286939
SNP_P1_64273_25275421	NC_021163.1	Ca_kabuli_chr04	25275421	TT	CC	1940286941
SNP_P1_64274_25275424	NC_021163.1	Ca_kabuli_chr04	25275424	TT	CC	1940286942
SNP_P1_64275_25275556	NC_021163.1	Ca_kabuli_chr04	25275556	CC	GG	1940286944

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64277_25275618	NC_021163.1	Ca_kabuli_chr04	25275618	GG	AA	1940286947
SNP_P1_64278_25275664	NC_021163.1	Ca_kabuli_chr04	25275664	GG	AA	1940286949
SNP_P1_64279_25275921	NC_021163.1	Ca_kabuli_chr04	25275921	TT	AA	1940286950
SNP_P1_64280_25276063	NC_021163.1	Ca_kabuli_chr04	25276063	GG	TT	1940286952
SNP_P1_64281_25278766	NC_021163.1	Ca_kabuli_chr04	25278766	AA	TT	1940286953
SNP_P1_64282_25278931	NC_021163.1	Ca_kabuli_chr04	25278931	GG	AA	1940286955
SNP_P1_64283_25279095	NC_021163.1	Ca_kabuli_chr04	25279095	CC	TT	1940286957
SNP_P1_64284_25279104	NC_021163.1	Ca_kabuli_chr04	25279104	CC	TT	1940286958
SNP_P1_64285_25279120	NC_021163.1	Ca_kabuli_chr04	25279120	AA	GG	1940286960
SNP_P1_64286_25279124	NC_021163.1	Ca_kabuli_chr04	25279124	AA	GG	1940286961
SNP_P1_64287_25279184	NC_021163.1	Ca_kabuli_chr04	25279184	CC	TT	1940286963
SNP_P1_64288_25279257	NC_021163.1	Ca_kabuli_chr04	25279257	CC	AA	1940286965
SNP_P1_64289_25279478	NC_021163.1	Ca_kabuli_chr04	25279478	CC	AA	1940286966
SNP_P1_64290_25279821	NC_021163.1	Ca_kabuli_chr04	25279821	TT	CC	1940286968
SNP_P1_64291_25279839	NC_021163.1	Ca_kabuli_chr04	25279839	GG	CC	1940286970
SNP_P1_64292_25279883	NC_021163.1	Ca_kabuli_chr04	25279883	CC	TT	1940286971
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SNP_P1_64294_25280297	NC_021163.1	Ca_kabuli_chr04	25280297	CC	TT	1940286974
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SNP_P1_64297_25281144	NC_021163.1	Ca_kabuli_chr04	25281144	AA	GG	1940286979
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SNP_P1_64299_25285023	NC_021163.1	Ca_kabuli_chr04	25285023	AA	GG	1940286982
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SNP_P1_64303_25285773	NC_021163.1	Ca_kabuli_chr04	25285773	CC	TT	1940286989
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SNP_P1_64306_25287594	NC_021163.1	Ca_kabuli_chr04	25287594	AA	TT	1940286992
SNP_P1_64307_25287717	NC_021163.1	Ca_kabuli_chr04	25287717	CC	TT	1940286994
SNP_P1_64309_25287788	NC_021163.1	Ca_kabuli_chr04	25287788	TT	CC	1940286995
SNP_P1_64310_25289443	NC_021163.1	Ca_kabuli_chr04	25289443	AA	GG	1940286996
SNP_P1_64311_25290070	NC_021163.1	Ca_kabuli_chr04	25290070	GG	TT	1940286998
SNP_P1_64312_25290086	NC_021163.1	Ca_kabuli_chr04	25290086	CC	TT	1940287000
SNP_P1_64313_25290119	NC_021163.1	Ca_kabuli_chr04	25290119	GG	CC	1940287001
SNP_P1_64314_25290127	NC_021163.1	Ca_kabuli_chr04	25290127	TT	CC	1940287003
SNP_P1_64315_25290128	NC_021163.1	Ca_kabuli_chr04	25290128	CC	TT	1940287004
SNP_P1_64316_25290174	NC_021163.1	Ca_kabuli_chr04	25290174	AA	GG	1940287006
SNP_P1_64317_25290192	NC_021163.1	Ca_kabuli_chr04	25290192	GG	AA	1940287008
SNP_P1_64319_25290353	NC_021163.1	Ca_kabuli_chr04	25290353	CC	AA	1940287009
SNP_P1_64321_25290408	NC_021163.1	Ca_kabuli_chr04	25290408	AA	GG	1940287011

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64323_25290636	NC_021163.1	Ca_kabuli_chr04	25290636	TT	CC	1940287014
SNP_P1_64324_25290688	NC_021163.1	Ca_kabuli_chr04	25290688	CC	TT	1940287016
SNP_P1_64325_25290689	NC_021163.1	Ca_kabuli_chr04	25290689	AA	GG	1940287017
SNP_P1_64326_25290763	NC_021163.1	Ca_kabuli_chr04	25290763	CC	TT	1940287019
SNP_P1_64327_25290772	NC_021163.1	Ca_kabuli_chr04	25290772	CC	TT	1940287021
SNP_P1_64328_25290826	NC_021163.1	Ca_kabuli_chr04	25290826	AA	CC	1940287022
SNP_P1_64329_25290872	NC_021163.1	Ca_kabuli_chr04	25290872	AA	GG	1940287024
SNP_P1_64330_25291155	NC_021163.1	Ca_kabuli_chr04	25291155	TT	CC	1940287025
SNP_P1_64331_25291294	NC_021163.1	Ca_kabuli_chr04	25291294	CC	GG	1940287027
SNP_P1_64332_25291437	NC_021163.1	Ca_kabuli_chr04	25291437	TT	AA	1940287029
SNP_P1_64333_25291450	NC_021163.1	Ca_kabuli_chr04	25291450	TT	CC	1940287030
SNP_P1_64334_25291729	NC_021163.1	Ca_kabuli_chr04	25291729	TT	CC	1940287032
SNP_P1_64336_25292396	NC_021163.1	Ca_kabuli_chr04	25292396	CC	TT	1940287033
SNP_P1_64337_25292584	NC_021163.1	Ca_kabuli_chr04	25292584	TT	GG	1940287035
SNP_P1_64338_25292598	NC_021163.1	Ca_kabuli_chr04	25292598	TT	CC	1940287037
SNP_P1_64339_25292613	NC_021163.1	Ca_kabuli_chr04	25292613	GG	AA	1940287038
SNP_P1_64341_25292725	NC_021163.1	Ca_kabuli_chr04	25292725	TT	AA	1940287040
SNP_P1_64342_25293034	NC_021163.1	Ca_kabuli_chr04	25293034	TT	GG	1940287042
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SNP_P1_64344_25293084	NC_021163.1	Ca_kabuli_chr04	25293084	AA	GG	1940287045
SNP_P1_64345_25293086	NC_021163.1	Ca_kabuli_chr04	25293086	AA	GG	1940287047
SNP_P1_64346_25293235	NC_021163.1	Ca_kabuli_chr04	25293235	GG	CC	1940287049
SNP_P1_64347_25293243	NC_021163.1	Ca_kabuli_chr04	25293243	CC	AA	1940287050
SNP_P1_64348_25293812	NC_021163.1	Ca_kabuli_chr04	25293812	CC	AA	1940287052
SNP_P1_64349_25293874	NC_021163.1	Ca_kabuli_chr04	25293874	TT	CC	1940287054
SNP_P1_64350_25294710	NC_021163.1	Ca_kabuli_chr04	25294710	CC	TT	1940287055
SNP_P1_64351_25294720	NC_021163.1	Ca_kabuli_chr04	25294720	AA	CC	1940287057
SNP_P1_64352_25294771	NC_021163.1	Ca_kabuli_chr04	25294771	CC	TT	1940287059
SNP_P1_64353_25295502	NC_021163.1	Ca_kabuli_chr04	25295502	AA	CC	1940287060
SNP_P1_64354_25296713	NC_021163.1	Ca_kabuli_chr04	25296713	TT	CC	1940287062
SNP_P1_64355_25296771	NC_021163.1	Ca_kabuli_chr04	25296771	CC	GG	1940287063
SNP_P1_64356_25296896	NC_021163.1	Ca_kabuli_chr04	25296896	CC	TT	1940287065
SNP_P1_64357_25296903	NC_021163.1	Ca_kabuli_chr04	25296903	AA	TT	1940287067
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SNP_P1_64359_25297039	NC_021163.1	Ca_kabuli_chr04	25297039	CC	AA	1940287070
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SNP_P1_64362_25297098	NC_021163.1	Ca_kabuli_chr04	25297098	TT	GG	1940287073
SNP_P1_64363_25297111	NC_021163.1	Ca_kabuli_chr04	25297111	CC	TT	1940287074
SNP_P1_64364_25299990	NC_021163.1	Ca_kabuli_chr04	25299990	CC	TT	1940287075
SNP_P1_64365_25300789	NC_021163.1	Ca_kabuli_chr04	25300789	TT	CC	1940287076

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64369_25302326	NC_021163.1	Ca_kabuli_chr04	25302326	GG	AA	1940287080
SNP_P1_64370_25302530	NC_021163.1	Ca_kabuli_chr04	25302530	CC	TT	1940287082
SNP_P1_64371_25302612	NC_021163.1	Ca_kabuli_chr04	25302612	GG	AA	1940287084
SNP_P1_64372_25303354	NC_021163.1	Ca_kabuli_chr04	25303354	CC	TT	1940287085
SNP_P1_64373_25303417	NC_021163.1	Ca_kabuli_chr04	25303417	CC	GG	1940287087
SNP_P1_64374_25303561	NC_021163.1	Ca_kabuli_chr04	25303561	TT	GG	1940287089
SNP_P1_64375_25303588	NC_021163.1	Ca_kabuli_chr04	25303588	AA	GG	1940287090
SNP_P1_64376_25303597	NC_021163.1	Ca_kabuli_chr04	25303597	CC	TT	1940287092
SNP_P1_64378_25303632	NC_021163.1	Ca_kabuli_chr04	25303632	AA	GG	1940287094
SNP_P1_64379_25303647	NC_021163.1	Ca_kabuli_chr04	25303647	CC	TT	1940287095
SNP_P1_64380_25304990	NC_021163.1	Ca_kabuli_chr04	25304990	CC	TT	1940287097
SNP_P1_64381_25305000	NC_021163.1	Ca_kabuli_chr04	25305000	AA	GG	1940287099
SNP_P1_64382_25306382	NC_021163.1	Ca_kabuli_chr04	25306382	AA	GG	1940287100
SNP_P1_64383_25306387	NC_021163.1	Ca_kabuli_chr04	25306387	CC	TT	1940287102
SNP_P1_64384_25319533	NC_021163.1	Ca_kabuli_chr04	25319533	TT	GG	1940287103
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SNP_P1_64386_25326903	NC_021163.1	Ca_kabuli_chr04	25326903	AA	GG	1940287107
SNP_P1_64387_25326918	NC_021163.1	Ca_kabuli_chr04	25326918	AA	GG	1940287108
SNP_P1_64388_25326990	NC_021163.1	Ca_kabuli_chr04	25326990	CC	AA	1940287110
SNP_P1_64389_25326998	NC_021163.1	Ca_kabuli_chr04	25326998	AA	GG	1940287112
SNP_P1_64390_25327019	NC_021163.1	Ca_kabuli_chr04	25327019	GG	AA	1940287113
SNP_P1_64391_25327040	NC_021163.1	Ca_kabuli_chr04	25327040	AA	CC	1940287115
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SNP_P1_64393_25327101	NC_021163.1	Ca_kabuli_chr04	25327101	CC	TT	1940287118
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SNP_P1_64397_25327171	NC_021163.1	Ca_kabuli_chr04	25327171	TT	CC	1940287123
SNP_P1_64398_25327187	NC_021163.1	Ca_kabuli_chr04	25327187	GG	TT	1940287125
SNP_P1_64399_25327260	NC_021163.1	Ca_kabuli_chr04	25327260	GG	AA	1940287126
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SNP_P1_64401_25327420	NC_021163.1	Ca_kabuli_chr04	25327420	TT	GG	1940287129
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SNP_P1_64403_25327460	NC_021163.1	Ca_kabuli_chr04	25327460	TT	GG	1940287133
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SNP_P1_64406_25340966	NC_021163.1	Ca_kabuli_chr04	25340966	AA	CC	1940287136
SNP_P1_64407_25342092	NC_021163.1	Ca_kabuli_chr04	25342092	AA	GG	1940287138
SNP_P1_64408_25342960	NC_021163.1	Ca_kabuli_chr04	25342960	GG	TT	1940287139
SNP_P1_64409_25344368	NC_021163.1	Ca_kabuli_chr04	25344368	CC	AA	1940287141
SNP_P1_64410_25344403	NC_021163.1	Ca_kabuli_chr04	25344403	AA	GG	1940287142

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SNP_P1_64417_25349556	NC_021163.1	Ca_kabuli_chr04	25349556	CC	AA	1940287147
SNP_P1_64418_25350903	NC_021163.1	Ca_kabuli_chr04	25350903	AA	GG	1940287149
SNP_P1_64419_25350924	NC_021163.1	Ca_kabuli_chr04	25350924	CC	TT	1940287151
SNP_P1_64420_25350943	NC_021163.1	Ca_kabuli_chr04	25350943	TT	CC	1940287152
SNP_P1_64421_25351816	NC_021163.1	Ca_kabuli_chr04	25351816	CC	TT	1940287154
SNP_P1_64422_25351820	NC_021163.1	Ca_kabuli_chr04	25351820	TT	AA	1940287155
SNP_P1_64423_25351821	NC_021163.1	Ca_kabuli_chr04	25351821	TT	AA	1940287157
SNP_P1_64424_25352167	NC_021163.1	Ca_kabuli_chr04	25352167	GG	TT	1940287159
SNP_P1_64426_25352391	NC_021163.1	Ca_kabuli_chr04	25352391	GG	AA	1940287160
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SNP_P1_64428_25352414	NC_021163.1	Ca_kabuli_chr04	25352414	GG	CC	1940287163
SNP_P1_64429_25352447	NC_021163.1	Ca_kabuli_chr04	25352447	TT	AA	1940287165
SNP_P1_64431_25352585	NC_021163.1	Ca_kabuli_chr04	25352585	AA	CC	1940287167
SNP_P1_64432_25352590	NC_021163.1	Ca_kabuli_chr04	25352590	GG	AA	1940287169
SNP_P1_64434_25352637	NC_021163.1	Ca_kabuli_chr04	25352637	TT	CC	1940287170
SNP_P1_64435_25352701	NC_021163.1	Ca_kabuli_chr04	25352701	CC	AA	1940287172
SNP_P1_64436_25352705	NC_021163.1	Ca_kabuli_chr04	25352705	TT	CC	1940287173
SNP_P1_64437_25352709	NC_021163.1	Ca_kabuli_chr04	25352709	CC	TT	1940287175
SNP_P1_64438_25352734	NC_021163.1	Ca_kabuli_chr04	25352734	CC	TT	1940287177
SNP_P1_64439_25352772	NC_021163.1	Ca_kabuli_chr04	25352772	GG	AA	1940287178
SNP_P1_64440_25352787	NC_021163.1	Ca_kabuli_chr04	25352787	GG	AA	1940287180
SNP_P1_64441_25352798	NC_021163.1	Ca_kabuli_chr04	25352798	GG	AA	1940287181
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SNP_P1_64445_25352870	NC_021163.1	Ca_kabuli_chr04	25352870	CC	TT	1940287188
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SNP_P1_64447_25352879	NC_021163.1	Ca_kabuli_chr04	25352879	AA	TT	1940287191
SNP_P1_64448_25353023	NC_021163.1	Ca_kabuli_chr04	25353023	GG	AA	1940287192
SNP_P1_64449_25353035	NC_021163.1	Ca_kabuli_chr04	25353035	GG	AA	1940287194
SNP_P1_64450_25353051	NC_021163.1	Ca_kabuli_chr04	25353051	CC	AA	1940287195
SNP_P1_64451_25353060	NC_021163.1	Ca_kabuli_chr04	25353060	GG	TT	1940287197
SNP_P1_64452_25353061	NC_021163.1	Ca_kabuli_chr04	25353061	TT	AA	1940287198
SNP_P1_64454_25353096	NC_021163.1	Ca_kabuli_chr04	25353096	CC	GG	1940287199
SNP_P1_64457_25353219	NC_021163.1	Ca_kabuli_chr04	25353219	CC	TT	1940287200
SNP_P1_64458_25353230	NC_021163.1	Ca_kabuli_chr04	25353230	GG	TT	1940287202
SNP_P1_64459_25353240	NC_021163.1	Ca_kabuli_chr04	25353240	TT	GG	1940287203
SNP_P1_64460_25353282	NC_021163.1	Ca_kabuli_chr04	25353282	CC	AA	1940287205
SNP_P1_64461_25353292	NC_021163.1	Ca_kabuli_chr04	25353292	GG	AA	1940287207
SNP_P1_64462_25353302	NC_021163.1	Ca_kabuli_chr04	25353302	AA	GG	1940287208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_64463_25353314	NC_021163.1	Ca_kabuli_chr04	25353314	AA	TT	1940287210
SNP_P1_64464_25353340	NC_021163.1	Ca_kabuli_chr04	25353340	GG	TT	1940287212
SNP_P1_64465_25353351	NC_021163.1	Ca_kabuli_chr04	25353351	TT	AA	1940287213
SNP_P1_64466_25353360	NC_021163.1	Ca_kabuli_chr04	25353360	GG	TT	1940287215
SNP_P1_64467_25353428	NC_021163.1	Ca_kabuli_chr04	25353428	CC	GG	1940287216
SNP_P1_64468_25353473	NC_021163.1	Ca_kabuli_chr04	25353473	AA	TT	1940287218
SNP_P1_64469_25353544	NC_021163.1	Ca_kabuli_chr04	25353544	TT	CC	1940287219
SNP_P1_64470_25353563	NC_021163.1	Ca_kabuli_chr04	25353563	GG	AA	1940287221
SNP_P1_64472_25355077	NC_021163.1	Ca_kabuli_chr04	25355077	AA	GG	1940287223
SNP_P1_64473_25355338	NC_021163.1	Ca_kabuli_chr04	25355338	TT	AA	1940287225
SNP_P1_64474_25356606	NC_021163.1	Ca_kabuli_chr04	25356606	TT	CC	1940287226
SNP_P1_64475_25356618	NC_021163.1	Ca_kabuli_chr04	25356618	TT	CC	1940287228
SNP_P1_64476_25356847	NC_021163.1	Ca_kabuli_chr04	25356847	AA	CC	1940287229
SNP_P1_64477_25356873	NC_021163.1	Ca_kabuli_chr04	25356873	GG	AA	1940287231
SNP_P1_64478_25356893	NC_021163.1	Ca_kabuli_chr04	25356893	AA	TT	1940287233
SNP_P1_64479_25357126	NC_021163.1	Ca_kabuli_chr04	25357126	AA	CC	1940287234
SNP_P1_64480_25357893	NC_021163.1	Ca_kabuli_chr04	25357893	GG	AA	1940287235
SNP_P1_64481_25357897	NC_021163.1	Ca_kabuli_chr04	25357897	AA	GG	1940287237
SNP_P1_64482_25357905	NC_021163.1	Ca_kabuli_chr04	25357905	AA	TT	1940287238
SNP_P1_64483_25357914	NC_021163.1	Ca_kabuli_chr04	25357914	GG	AA	1940287240
SNP_P1_64484_25357966	NC_021163.1	Ca_kabuli_chr04	25357966	TT	AA	1940287241
SNP_P1_64485_25358011	NC_021163.1	Ca_kabuli_chr04	25358011	GG	AA	1940287243
SNP_P1_64488_25358164	NC_021163.1	Ca_kabuli_chr04	25358164	GG	AA	1940287244
SNP_P1_64489_25358173	NC_021163.1	Ca_kabuli_chr04	25358173	CC	GG	1940287245
SNP_P1_64490_25358191	NC_021163.1	Ca_kabuli_chr04	25358191	GG	TT	1940287247
SNP_P1_64491_25358224	NC_021163.1	Ca_kabuli_chr04	25358224	TT	AA	1940287248
SNP_P1_64492_25358252	NC_021163.1	Ca_kabuli_chr04	25358252	TT	AA	1940287249
SNP_P1_64493_25358282	NC_021163.1	Ca_kabuli_chr04	25358282	GG	AA	1940287251
SNP_P1_64494_25358284	NC_021163.1	Ca_kabuli_chr04	25358284	AA	TT	1940287252
SNP_P1_64495_25358330	NC_021163.1	Ca_kabuli_chr04	25358330	GG	CC	1940287254
SNP_P1_64496_25358376	NC_021163.1	Ca_kabuli_chr04	25358376	CC	TT	1940287255
SNP_P1_64497_25358447	NC_021163.1	Ca_kabuli_chr04	25358447	TT	CC	1940287256
SNP_P1_64498_25358456	NC_021163.1	Ca_kabuli_chr04	25358456	GG	TT	1940287258
SNP_P1_64499_25358477	NC_021163.1	Ca_kabuli_chr04	25358477	GG	TT	1940287259
SNP_P1_64500_25358493	NC_021163.1	Ca_kabuli_chr04	25358493	TT	CC	1940287261
SNP_P1_64501_25358501	NC_021163.1	Ca_kabuli_chr04	25358501	GG	AA	1940287263
SNP_P1_64502_25358503	NC_021163.1	Ca_kabuli_chr04	25358503	CC	TT	1940287264
SNP_P1_64504_25358865	NC_021163.1	Ca_kabuli_chr04	25358865	GG	AA	1940287266
SNP_P1_64505_25359079	NC_021163.1	Ca_kabuli_chr04	25359079	CC	AA	1940287268
SNP_P1_64506_25359100	NC_021163.1	Ca_kabuli_chr04	25359100	TT	CC	1940287270
SNP_P1_64507_25359225	NC_021163.1	Ca_kabuli_chr04	25359225	AA	CC	1940287272
SNP_P1_64508_25359252	NC_021163.1	Ca_kabuli_chr04	25359252	CC	GG	1940287274

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64510_25360329	NC_021163.1	Ca_kabuli_chr04	25360329	AA	GG	1940287277
SNP_P1_64511_25360625	NC_021163.1	Ca_kabuli_chr04	25360625	GG	AA	1940287279
SNP_P1_64512_25360639	NC_021163.1	Ca_kabuli_chr04	25360639	GG	AA	1940287281
SNP_P1_64513_25360694	NC_021163.1	Ca_kabuli_chr04	25360694	GG	AA	1940287283
SNP_P1_64514_25360800	NC_021163.1	Ca_kabuli_chr04	25360800	CC	AA	1940287285
SNP_P1_64515_25360876	NC_021163.1	Ca_kabuli_chr04	25360876	CC	TT	1940287287
SNP_P1_64517_25366329	NC_021163.1	Ca_kabuli_chr04	25366329	GG	AA	1940287288
SNP_P1_64518_25366368	NC_021163.1	Ca_kabuli_chr04	25366368	TT	GG	1940287290
SNP_P1_64519_25366476	NC_021163.1	Ca_kabuli_chr04	25366476	TT	CC	1940287292
SNP_P1_64520_25366668	NC_021163.1	Ca_kabuli_chr04	25366668	TT	CC	1940287293
SNP_P1_64521_25366699	NC_021163.1	Ca_kabuli_chr04	25366699	GG	AA	1940287295
SNP_P1_64522_25366762	NC_021163.1	Ca_kabuli_chr04	25366762	AA	CC	1940287297
SNP_P1_64523_25366813	NC_021163.1	Ca_kabuli_chr04	25366813	CC	AA	1940287300
SNP_P1_64524_25366867	NC_021163.1	Ca_kabuli_chr04	25366867	CC	TT	1940287302
SNP_P1_64525_25366892	NC_021163.1	Ca_kabuli_chr04	25366892	CC	TT	1940287304
SNP_P1_64526_25366908	NC_021163.1	Ca_kabuli_chr04	25366908	AA	GG	1940287307
SNP_P1_64527_25366958	NC_021163.1	Ca_kabuli_chr04	25366958	CC	GG	1940287309
SNP_P1_64528_25367008	NC_021163.1	Ca_kabuli_chr04	25367008	CC	TT	1940287311
SNP_P1_64529_25367152	NC_021163.1	Ca_kabuli_chr04	25367152	GG	AA	1940287313
SNP_P1_64530_25367175	NC_021163.1	Ca_kabuli_chr04	25367175	CC	TT	1940287315
SNP_P1_64532_25367319	NC_021163.1	Ca_kabuli_chr04	25367319	TT	CC	1940287316
SNP_P1_64533_25367409	NC_021163.1	Ca_kabuli_chr04	25367409	TT	CC	1940287318
SNP_P1_64534_25367410	NC_021163.1	Ca_kabuli_chr04	25367410	GG	AA	1940287320
SNP_P1_64535_25367434	NC_021163.1	Ca_kabuli_chr04	25367434	AA	GG	1940287321
SNP_P1_64536_25367549	NC_021163.1	Ca_kabuli_chr04	25367549	TT	CC	1940287323
SNP_P1_64537_25367568	NC_021163.1	Ca_kabuli_chr04	25367568	CC	TT	1940287325
SNP_P1_64538_25367598	NC_021163.1	Ca_kabuli_chr04	25367598	GG	TT	1940287326
SNP_P1_64539_25367604	NC_021163.1	Ca_kabuli_chr04	25367604	AA	CC	1940287328
SNP_P1_64540_25367606	NC_021163.1	Ca_kabuli_chr04	25367606	AA	TT	1940287330
SNP_P1_64541_25367611	NC_021163.1	Ca_kabuli_chr04	25367611	TT	AA	1940287331
SNP_P1_64542_25368342	NC_021163.1	Ca_kabuli_chr04	25368342	AA	GG	1940287333
SNP_P1_64543_25368401	NC_021163.1	Ca_kabuli_chr04	25368401	TT	CC	1940287334
SNP_P1_64544_25368405	NC_021163.1	Ca_kabuli_chr04	25368405	TT	AA	1940287336
SNP_P1_64545_25368420	NC_021163.1	Ca_kabuli_chr04	25368420	GG	AA	1940287338
SNP_P1_64546_25368460	NC_021163.1	Ca_kabuli_chr04	25368460	CC	TT	1940287339
SNP_P1_64547_25368585	NC_021163.1	Ca_kabuli_chr04	25368585	GG	AA	1940287341
SNP_P1_64548_25368589	NC_021163.1	Ca_kabuli_chr04	25368589	GG	CC	1940287343
SNP_P1_64549_25368631	NC_021163.1	Ca_kabuli_chr04	25368631	AA	CC	1940287344
SNP_P1_64550_25368889	NC_021163.1	Ca_kabuli_chr04	25368889	TT	AA	1940287346
SNP_P1_64551_25368921	NC_021163.1	Ca_kabuli_chr04	25368921	TT	AA	1940287347
SNP_P1_64552_25369425	NC_021163.1	Ca_kabuli_chr04	25369425	AA	CC	1940287349

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64554_25369598	NC_021163.1	Ca_kabuli_chr04	25369598	TT	CC	1940287352
SNP_P1_64555_25369619	NC_021163.1	Ca_kabuli_chr04	25369619	TT	GG	1940287354
SNP_P1_64557_25369705	NC_021163.1	Ca_kabuli_chr04	25369705	GG	AA	1940287356
SNP_P1_64558_25369712	NC_021163.1	Ca_kabuli_chr04	25369712	AA	TT	1940287357
SNP_P1_64559_25369737	NC_021163.1	Ca_kabuli_chr04	25369737	AA	TT	1940287359
SNP_P1_64560_25369740	NC_021163.1	Ca_kabuli_chr04	25369740	TT	CC	1940287360
SNP_P1_64561_25369744	NC_021163.1	Ca_kabuli_chr04	25369744	AA	CC	1940287362
SNP_P1_64562_25369751	NC_021163.1	Ca_kabuli_chr04	25369751	CC	TT	1940287364
SNP_P1_64565_25370888	NC_021163.1	Ca_kabuli_chr04	25370888	GG	AA	1940287365
SNP_P1_64566_25370900	NC_021163.1	Ca_kabuli_chr04	25370900	AA	TT	1940287367
SNP_P1_64567_25370958	NC_021163.1	Ca_kabuli_chr04	25370958	TT	CC	1940287368
SNP_P1_64568_25371493	NC_021163.1	Ca_kabuli_chr04	25371493	CC	TT	1940287370
SNP_P1_64569_25371517	NC_021163.1	Ca_kabuli_chr04	25371517	CC	TT	1940287372
SNP_P1_64570_25371520	NC_021163.1	Ca_kabuli_chr04	25371520	CC	AA	1940287373
SNP_P1_64571_25371523	NC_021163.1	Ca_kabuli_chr04	25371523	AA	TT	1940287375
SNP_P1_64572_25372026	NC_021163.1	Ca_kabuli_chr04	25372026	AA	TT	1940287377
SNP_P1_64573_25372042	NC_021163.1	Ca_kabuli_chr04	25372042	TT	AA	1940287378
SNP_P1_64574_25372045	NC_021163.1	Ca_kabuli_chr04	25372045	GG	TT	1940287380
SNP_P1_64575_25372106	NC_021163.1	Ca_kabuli_chr04	25372106	AA	GG	1940287382
SNP_P1_64576_25374959	NC_021163.1	Ca_kabuli_chr04	25374959	TT	CC	1940287383
SNP_P1_64577_25375245	NC_021163.1	Ca_kabuli_chr04	25375245	AA	CC	1940287385
SNP_P1_64578_25375357	NC_021163.1	Ca_kabuli_chr04	25375357	GG	AA	1940287386
SNP_P1_64579_25375449	NC_021163.1	Ca_kabuli_chr04	25375449	TT	AA	1940287388
SNP_P1_64580_25375500	NC_021163.1	Ca_kabuli_chr04	25375500	TT	CC	1940287390
SNP_P1_64581_25375517	NC_021163.1	Ca_kabuli_chr04	25375517	TT	AA	1940287391
SNP_P1_64582_25375526	NC_021163.1	Ca_kabuli_chr04	25375526	TT	AA	1940287392
SNP_P1_64584_25375574	NC_021163.1	Ca_kabuli_chr04	25375574	AA	CC	1940287394
SNP_P1_64585_25375608	NC_021163.1	Ca_kabuli_chr04	25375608	GG	AA	1940287396
SNP_P1_64586_25375618	NC_021163.1	Ca_kabuli_chr04	25375618	GG	TT	1940287397
SNP_P1_64587_25375693	NC_021163.1	Ca_kabuli_chr04	25375693	GG	AA	1940287399
SNP_P1_64589_25375724	NC_021163.1	Ca_kabuli_chr04	25375724	CC	TT	1940287401
SNP_P1_64590_25375752	NC_021163.1	Ca_kabuli_chr04	25375752	TT	GG	1940287402
SNP_P1_64591_25375770	NC_021163.1	Ca_kabuli_chr04	25375770	AA	GG	1940287404
SNP_P1_64592_25375895	NC_021163.1	Ca_kabuli_chr04	25375895	GG	AA	1940287405
SNP_P1_64593_25375933	NC_021163.1	Ca_kabuli_chr04	25375933	GG	AA	1940287407
SNP_P1_64594_25375967	NC_021163.1	Ca_kabuli_chr04	25375967	CC	AA	1940287409
SNP_P1_64595_25376115	NC_021163.1	Ca_kabuli_chr04	25376115	CC	AA	1940287410
SNP_P1_64596_25376331	NC_021163.1	Ca_kabuli_chr04	25376331	GG	TT	1940287412
SNP_P1_64597_25376434	NC_021163.1	Ca_kabuli_chr04	25376434	TT	AA	1940287413
SNP_P1_64598_25376456	NC_021163.1	Ca_kabuli_chr04	25376456	CC	TT	1940287415
SNP_P1_64599_25376647	NC_021163.1	Ca_kabuli_chr04	25376647	TT	GG	1940287417

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64601_25376855	NC_021163.1	Ca_kabuli_chr04	25376855	AA	GG	1940287420
SNP_P1_64602_25376884	NC_021163.1	Ca_kabuli_chr04	25376884	TT	GG	1940287421
SNP_P1_64603_25376918	NC_021163.1	Ca_kabuli_chr04	25376918	CC	TT	1940287423
SNP_P1_64605_25378194	NC_021163.1	Ca_kabuli_chr04	25378194	GG	TT	1940287424
SNP_P1_64606_25389185	NC_021163.1	Ca_kabuli_chr04	25389185	TT	CC	1940287426
SNP_P1_64607_25389227	NC_021163.1	Ca_kabuli_chr04	25389227	AA	TT	1940287427
SNP_P1_64608_25389307	NC_021163.1	Ca_kabuli_chr04	25389307	CC	TT	1940287429
SNP_P1_64609_25389344	NC_021163.1	Ca_kabuli_chr04	25389344	GG	CC	1940287430
SNP_P1_64610_25389358	NC_021163.1	Ca_kabuli_chr04	25389358	TT	CC	1940287432
SNP_P1_64611_25389389	NC_021163.1	Ca_kabuli_chr04	25389389	CC	TT	1940287434
SNP_P1_64612_25389446	NC_021163.1	Ca_kabuli_chr04	25389446	AA	GG	1940287435
SNP_P1_64613_25389453	NC_021163.1	Ca_kabuli_chr04	25389453	AA	GG	1940287437
SNP_P1_64614_25389457	NC_021163.1	Ca_kabuli_chr04	25389457	TT	CC	1940287439
SNP_P1_64615_25389458	NC_021163.1	Ca_kabuli_chr04	25389458	CC	TT	1940287440
SNP_P1_64616_25389539	NC_021163.1	Ca_kabuli_chr04	25389539	CC	TT	1940287442
SNP_P1_64617_25391577	NC_021163.1	Ca_kabuli_chr04	25391577	GG	TT	1940287444
SNP_P1_64618_25391614	NC_021163.1	Ca_kabuli_chr04	25391614	AA	GG	1940287445
SNP_P1_64619_25391728	NC_021163.1	Ca_kabuli_chr04	25391728	CC	TT	1940287447
SNP_P1_64620_25391763	NC_021163.1	Ca_kabuli_chr04	25391763	AA	GG	1940287448
SNP_P1_64621_25392178	NC_021163.1	Ca_kabuli_chr04	25392178	AA	GG	1940287450
SNP_P1_64623_25392622	NC_021163.1	Ca_kabuli_chr04	25392622	TT	GG	1940287451
SNP_P1_64624_25393495	NC_021163.1	Ca_kabuli_chr04	25393495	GG	AA	1940287453
SNP_P1_64625_25393542	NC_021163.1	Ca_kabuli_chr04	25393542	CC	TT	1940287455
SNP_P1_64627_25393759	NC_021163.1	Ca_kabuli_chr04	25393759	TT	GG	1940287456
SNP_P1_64628_25393771	NC_021163.1	Ca_kabuli_chr04	25393771	TT	CC	1940287458
SNP_P1_64629_25393974	NC_021163.1	Ca_kabuli_chr04	25393974	GG	AA	1940287460
SNP_P1_64630_25394025	NC_021163.1	Ca_kabuli_chr04	25394025	CC	AA	1940287461
SNP_P1_64631_25394574	NC_021163.1	Ca_kabuli_chr04	25394574	GG	AA	1940287463
SNP_P1_64632_25394583	NC_021163.1	Ca_kabuli_chr04	25394583	CC	AA	1940287464
SNP_P1_64633_25394595	NC_021163.1	Ca_kabuli_chr04	25394595	TT	CC	1940287466
SNP_P1_64634_25394627	NC_021163.1	Ca_kabuli_chr04	25394627	CC	TT	1940287468
SNP_P1_64635_25394657	NC_021163.1	Ca_kabuli_chr04	25394657	GG	AA	1940287469
SNP_P1_64636_25394658	NC_021163.1	Ca_kabuli_chr04	25394658	AA	CC	1940287471
SNP_P1_64637_25394741	NC_021163.1	Ca_kabuli_chr04	25394741	AA	GG	1940287473
SNP_P1_64638_25394879	NC_021163.1	Ca_kabuli_chr04	25394879	AA	CC	1940287474
SNP_P1_64639_25409825	NC_021163.1	Ca_kabuli_chr04	25409825	GG	CC	1940287476
SNP_P1_64640_25409861	NC_021163.1	Ca_kabuli_chr04	25409861	CC	TT	1940287478
SNP_P1_64642_25434325	NC_021163.1	Ca_kabuli_chr04	25434325	TT	GG	1940287479
SNP_P1_64643_25434356	NC_021163.1	Ca_kabuli_chr04	25434356	CC	TT	1940287481
SNP_P1_64645_25434418	NC_021163.1	Ca_kabuli_chr04	25434418	TT	CC	1940287482
SNP_P1_64646_25434590	NC_021163.1	Ca_kabuli_chr04	25434590	GG	CC	1940287484

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64648_25434726	NC_021163.1	Ca_kabuli_chr04	25434726	CC	TT	1940287487
SNP_P1_64649_25439165	NC_021163.1	Ca_kabuli_chr04	25439165	GG	AA	1940287489
SNP_P1_64650_25439166	NC_021163.1	Ca_kabuli_chr04	25439166	TT	AA	1940287490
SNP_P1_64651_25440451	NC_021163.1	Ca_kabuli_chr04	25440451	GG	AA	1940287492
SNP_P1_64652_25440636	NC_021163.1	Ca_kabuli_chr04	25440636	AA	GG	1940287494
SNP_P1_64653_25440737	NC_021163.1	Ca_kabuli_chr04	25440737	TT	CC	1940287495
SNP_P1_64654_25440812	NC_021163.1	Ca_kabuli_chr04	25440812	AA	TT	1940287497
SNP_P1_64655_25440845	NC_021163.1	Ca_kabuli_chr04	25440845	GG	AA	1940287498
SNP_P1_64656_25440915	NC_021163.1	Ca_kabuli_chr04	25440915	TT	AA	1940287500
SNP_P1_64657_25441076	NC_021163.1	Ca_kabuli_chr04	25441076	AA	GG	1940287502
SNP_P1_64658_25441141	NC_021163.1	Ca_kabuli_chr04	25441141	CC	AA	1940287503
SNP_P1_64659_25441148	NC_021163.1	Ca_kabuli_chr04	25441148	TT	GG	1940287504
SNP_P1_64660_25441930	NC_021163.1	Ca_kabuli_chr04	25441930	AA	CC	1940287506
SNP_P1_64661_25442092	NC_021163.1	Ca_kabuli_chr04	25442092	AA	CC	1940287507
SNP_P1_64662_25446421	NC_021163.1	Ca_kabuli_chr04	25446421	TT	CC	1940287509
SNP_P1_64664_25448375	NC_021163.1	Ca_kabuli_chr04	25448375	GG	AA	1940287511
SNP_P1_64665_25448713	NC_021163.1	Ca_kabuli_chr04	25448713	TT	AA	1940287512
SNP_P1_64666_25448721	NC_021163.1	Ca_kabuli_chr04	25448721	AA	GG	1940287514
SNP_P1_64667_25456060	NC_021163.1	Ca_kabuli_chr04	25456060	CC	TT	1940287516
SNP_P1_64668_25456275	NC_021163.1	Ca_kabuli_chr04	25456275	TT	CC	1940287517
SNP_P1_64669_25456294	NC_021163.1	Ca_kabuli_chr04	25456294	AA	CC	1940287519
SNP_P1_64670_25456534	NC_021163.1	Ca_kabuli_chr04	25456534	GG	TT	1940287520
SNP_P1_64672_25456597	NC_021163.1	Ca_kabuli_chr04	25456597	CC	AA	1940287522
SNP_P1_64673_25456643	NC_021163.1	Ca_kabuli_chr04	25456643	GG	CC	1940287524
SNP_P1_64674_25456656	NC_021163.1	Ca_kabuli_chr04	25456656	GG	AA	1940287526
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SNP_P1_64679_25458042	NC_021163.1	Ca_kabuli_chr04	25458042	AA	GG	1940287531
SNP_P1_64680_25458572	NC_021163.1	Ca_kabuli_chr04	25458572	GG	TT	1940287532
SNP_P1_64681_25459351	NC_021163.1	Ca_kabuli_chr04	25459351	GG	AA	1940287533
SNP_P1_64682_25459652	NC_021163.1	Ca_kabuli_chr04	25459652	CC	TT	1940287534
SNP_P1_64683_25461457	NC_021163.1	Ca_kabuli_chr04	25461457	AA	GG	1940287536
SNP_P1_64684_25461498	NC_021163.1	Ca_kabuli_chr04	25461498	TT	AA	1940287537
SNP_P1_64685_25462475	NC_021163.1	Ca_kabuli_chr04	25462475	TT	CC	1940287539
SNP_P1_64686_25462476	NC_021163.1	Ca_kabuli_chr04	25462476	TT	AA	1940287540
SNP_P1_64687_25463676	NC_021163.1	Ca_kabuli_chr04	25463676	TT	CC	1940287542
SNP_P1_64688_25463687	NC_021163.1	Ca_kabuli_chr04	25463687	TT	AA	1940287543
SNP_P1_64689_25463688	NC_021163.1	Ca_kabuli_chr04	25463688	GG	AA	1940287545
SNP_P1_64690_25463689	NC_021163.1	Ca_kabuli_chr04	25463689	GG	CC	1940287546
SNP_P1_64691_25463735	NC_021163.1	Ca_kabuli_chr04	25463735	TT	CC	1940287547
SNP_P1_64692_25463741	NC_021163.1	Ca_kabuli_chr04	25463741	GG	TT	1940287548

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64697_25467920	NC_021163.1	Ca_kabuli_chr04	25467920	AA	GG	1940287553
SNP_P1_64700_25470559	NC_021163.1	Ca_kabuli_chr04	25470559	CC	AA	1940287555
SNP_P1_64702_25474392	NC_021163.1	Ca_kabuli_chr04	25474392	GG	TT	1940287557
SNP_P1_64703_25474812	NC_021163.1	Ca_kabuli_chr04	25474812	AA	TT	1940287558
SNP_P1_64705_25479893	NC_021163.1	Ca_kabuli_chr04	25479893	AA	GG	1940287560
SNP_P1_64706_25486840	NC_021163.1	Ca_kabuli_chr04	25486840	AA	CC	1940287562
SNP_P1_64707_25487047	NC_021163.1	Ca_kabuli_chr04	25487047	TT	AA	1940287564
SNP_P1_64708_25487056	NC_021163.1	Ca_kabuli_chr04	25487056	AA	TT	1940287565
SNP_P1_64709_25487320	NC_021163.1	Ca_kabuli_chr04	25487320	TT	CC	1940287567
SNP_P1_64710_25489158	NC_021163.1	Ca_kabuli_chr04	25489158	TT	CC	1940287569
SNP_P1_64711_25491495	NC_021163.1	Ca_kabuli_chr04	25491495	CC	GG	1940287571
SNP_P1_64712_25492259	NC_021163.1	Ca_kabuli_chr04	25492259	TT	GG	1940287572
SNP_P1_64713_25492372	NC_021163.1	Ca_kabuli_chr04	25492372	AA	CC	1940287574
SNP_P1_64714_25492835	NC_021163.1	Ca_kabuli_chr04	25492835	GG	CC	1940287575
SNP_P1_64715_25494229	NC_021163.1	Ca_kabuli_chr04	25494229	TT	CC	1940287576
SNP_P1_64716_25494804	NC_021163.1	Ca_kabuli_chr04	25494804	TT	AA	1940287578
SNP_P1_64718_25495813	NC_021163.1	Ca_kabuli_chr04	25495813	AA	GG	1940287580
SNP_P1_64719_25497678	NC_021163.1	Ca_kabuli_chr04	25497678	TT	GG	1940287582
SNP_P1_64720_25498004	NC_021163.1	Ca_kabuli_chr04	25498004	GG	AA	1940287583
SNP_P1_64721_25499257	NC_021163.1	Ca_kabuli_chr04	25499257	TT	CC	1940287585
SNP_P1_64722_25499711	NC_021163.1	Ca_kabuli_chr04	25499711	GG	TT	1940287586
SNP_P1_64723_25500789	NC_021163.1	Ca_kabuli_chr04	25500789	CC	AA	1940287588
SNP_P1_64725_25502008	NC_021163.1	Ca_kabuli_chr04	25502008	AA	CC	1940287590
SNP_P1_64726_25504264	NC_021163.1	Ca_kabuli_chr04	25504264	AA	GG	1940287591
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SNP_P1_64728_25505860	NC_021163.1	Ca_kabuli_chr04	25505860	CC	TT	1940287595
SNP_P1_64729_25505905	NC_021163.1	Ca_kabuli_chr04	25505905	GG	AA	1940287596
SNP_P1_64730_25506036	NC_021163.1	Ca_kabuli_chr04	25506036	GG	AA	1940287598
SNP_P1_64732_25512246	NC_021163.1	Ca_kabuli_chr04	25512246	TT	GG	1940287599
SNP_P1_64733_25513035	NC_021163.1	Ca_kabuli_chr04	25513035	GG	TT	1940287601
SNP_P1_64734_25513053	NC_021163.1	Ca_kabuli_chr04	25513053	GG	CC	1940287603
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SNP_P1_64736_25515314	NC_021163.1	Ca_kabuli_chr04	25515314	GG	AA	1940287607
SNP_P1_64737_25515338	NC_021163.1	Ca_kabuli_chr04	25515338	GG	TT	1940287608
SNP_P1_64739_25516516	NC_021163.1	Ca_kabuli_chr04	25516516	TT	CC	1940287610
SNP_P1_64740_25519290	NC_021163.1	Ca_kabuli_chr04	25519290	TT	CC	1940287612
SNP_P1_64741_25519319	NC_021163.1	Ca_kabuli_chr04	25519319	GG	CC	1940287613
SNP_P1_64743_25522701	NC_021163.1	Ca_kabuli_chr04	25522701	GG	TT	1940287615
SNP_P1_64745_25523962	NC_021163.1	Ca_kabuli_chr04	25523962	CC	TT	1940287616
SNP_P1_64746_25523988	NC_021163.1	Ca_kabuli_chr04	25523988	TT	CC	1940287617

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64754_25538011	NC_021163.1	Ca_kabuli_chr04	25538011	TT	CC	1940287621
SNP_P1_64755_25538427	NC_021163.1	Ca_kabuli_chr04	25538427	AA	GG	1940287622
SNP_P1_64756_25540172	NC_021163.1	Ca_kabuli_chr04	25540172	CC	TT	1940287624
SNP_P1_64757_25542976	NC_021163.1	Ca_kabuli_chr04	25542976	TT	GG	1940287626
SNP_P1_64758_25543210	NC_021163.1	Ca_kabuli_chr04	25543210	GG	AA	1940287628
SNP_P1_64759_25543726	NC_021163.1	Ca_kabuli_chr04	25543726	GG	AA	1940287630
SNP_P1_64761_25543890	NC_021163.1	Ca_kabuli_chr04	25543890	TT	CC	1940287631
SNP_P1_64762_25544747	NC_021163.1	Ca_kabuli_chr04	25544747	TT	GG	1940287633
SNP_P1_64763_25544759	NC_021163.1	Ca_kabuli_chr04	25544759	GG	AA	1940287634
SNP_P1_64764_25556747	NC_021163.1	Ca_kabuli_chr04	25556747	CC	AA	1940287636
SNP_P1_64765_25557556	NC_021163.1	Ca_kabuli_chr04	25557556	AA	TT	1940287637
SNP_P1_64766_25557557	NC_021163.1	Ca_kabuli_chr04	25557557	AA	CC	1940287639
SNP_P1_64767_25557575	NC_021163.1	Ca_kabuli_chr04	25557575	TT	GG	1940287640
SNP_P1_64769_25565705	NC_021163.1	Ca_kabuli_chr04	25565705	GG	AA	1940287642
SNP_P1_64770_25566858	NC_021163.1	Ca_kabuli_chr04	25566858	GG	TT	1940287644
SNP_P1_64771_25577794	NC_021163.1	Ca_kabuli_chr04	25577794	GG	AA	1940287645
SNP_P1_64773_25579592	NC_021163.1	Ca_kabuli_chr04	25579592	GG	TT	1940287646
SNP_P1_64774_25581394	NC_021163.1	Ca_kabuli_chr04	25581394	AA	GG	1940287648
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SNP_P1_64781_25604028	NC_021163.1	Ca_kabuli_chr04	25604028	AA	GG	1940287656
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SNP_P1_64783_25606134	NC_021163.1	Ca_kabuli_chr04	25606134	AA	TT	1940287659
SNP_P1_64784_25607350	NC_021163.1	Ca_kabuli_chr04	25607350	TT	CC	1940287660
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SNP_P1_64786_25611073	NC_021163.1	Ca_kabuli_chr04	25611073	TT	GG	1940287664
SNP_P1_64788_25615463	NC_021163.1	Ca_kabuli_chr04	25615463	TT	CC	1940287665
SNP_P1_64789_25616401	NC_021163.1	Ca_kabuli_chr04	25616401	CC	AA	1940287667
SNP_P1_64790_25618140	NC_021163.1	Ca_kabuli_chr04	25618140	AA	TT	1940287669
SNP_P1_64791_25620586	NC_021163.1	Ca_kabuli_chr04	25620586	GG	AA	1940287670
SNP_P1_64792_25621925	NC_021163.1	Ca_kabuli_chr04	25621925	AA	TT	1940287672
SNP_P1_64794_25624102	NC_021163.1	Ca_kabuli_chr04	25624102	AA	CC	1940287673
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SNP_P1_64796_25627883	NC_021163.1	Ca_kabuli_chr04	25627883	AA	CC	1940287677
SNP_P1_64797_25628246	NC_021163.1	Ca_kabuli_chr04	25628246	CC	GG	1940287679
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SNP_P1_64800_25632887	NC_021163.1	Ca_kabuli_chr04	25632887	TT	CC	1940287682
SNP_P1_64801_25633028	NC_021163.1	Ca_kabuli_chr04	25633028	TT	CC	1940287684
SNP_P1_64802_25634030	NC_021163.1	Ca_kabuli_chr04	25634030	GG	AA	1940287686

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64804_25636720	NC_021163.1	Ca_kabuli_chr04	25636720	TT	CC	1940287689
SNP_P1_64805_25637810	NC_021163.1	Ca_kabuli_chr04	25637810	GG	AA	1940287691
SNP_P1_64806_25642034	NC_021163.1	Ca_kabuli_chr04	25642034	GG	TT	1940287693
SNP_P1_64807_25642565	NC_021163.1	Ca_kabuli_chr04	25642565	AA	TT	1940287695
SNP_P1_64808_25643428	NC_021163.1	Ca_kabuli_chr04	25643428	CC	TT	1940287696
SNP_P1_64809_25646169	NC_021163.1	Ca_kabuli_chr04	25646169	GG	TT	1940287699
SNP_P1_64810_25647602	NC_021163.1	Ca_kabuli_chr04	25647602	AA	GG	1940287701
SNP_P1_64811_25647714	NC_021163.1	Ca_kabuli_chr04	25647714	AA	TT	1940287702
SNP_P1_64812_25649605	NC_021163.1	Ca_kabuli_chr04	25649605	TT	GG	1940287704
SNP_P1_64814_25653364	NC_021163.1	Ca_kabuli_chr04	25653364	CC	TT	1940287706
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SNP_P1_64817_25659486	NC_021163.1	Ca_kabuli_chr04	25659486	AA	TT	1940287711
SNP_P1_64818_25659647	NC_021163.1	Ca_kabuli_chr04	25659647	GG	AA	1940287713
SNP_P1_64819_25670327	NC_021163.1	Ca_kabuli_chr04	25670327	GG	AA	1940287714
SNP_P1_64820_25670761	NC_021163.1	Ca_kabuli_chr04	25670761	TT	CC	1940287716
SNP_P1_64821_25673388	NC_021163.1	Ca_kabuli_chr04	25673388	GG	AA	1940287718
SNP_P1_64822_25673585	NC_021163.1	Ca_kabuli_chr04	25673585	CC	TT	1940287719
SNP_P1_64823_25675046	NC_021163.1	Ca_kabuli_chr04	25675046	GG	AA	1940287721
SNP_P1_64824_25675898	NC_021163.1	Ca_kabuli_chr04	25675898	CC	AA	1940287722
SNP_P1_64825_25676998	NC_021163.1	Ca_kabuli_chr04	25676998	GG	TT	1940287724
SNP_P1_64826_25677974	NC_021163.1	Ca_kabuli_chr04	25677974	AA	GG	1940287726
SNP_P1_64827_25679325	NC_021163.1	Ca_kabuli_chr04	25679325	CC	TT	1940287727
SNP_P1_64828_25679872	NC_021163.1	Ca_kabuli_chr04	25679872	AA	GG	1940287729
SNP_P1_64829_25681310	NC_021163.1	Ca_kabuli_chr04	25681310	GG	AA	1940287730
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SNP_P1_64831_25681881	NC_021163.1	Ca_kabuli_chr04	25681881	AA	GG	1940287734
SNP_P1_64832_25681890	NC_021163.1	Ca_kabuli_chr04	25681890	CC	TT	1940287735
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SNP_P1_64834_25683634	NC_021163.1	Ca_kabuli_chr04	25683634	AA	GG	1940287738
SNP_P1_64835_25683890	NC_021163.1	Ca_kabuli_chr04	25683890	GG	AA	1940287740
SNP_P1_64836_25684064	NC_021163.1	Ca_kabuli_chr04	25684064	TT	CC	1940287741
SNP_P1_64837_25685113	NC_021163.1	Ca_kabuli_chr04	25685113	GG	AA	1940287743
SNP_P1_64838_25685225	NC_021163.1	Ca_kabuli_chr04	25685225	AA	GG	1940287744
SNP_P1_64839_25685975	NC_021163.1	Ca_kabuli_chr04	25685975	GG	AA	1940287746
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SNP_P1_64843_25689179	NC_021163.1	Ca_kabuli_chr04	25689179	CC	AA	1940287753
SNP_P1_64844_25689359	NC_021163.1	Ca_kabuli_chr04	25689359	AA	GG	1940287755
SNP_P1_64845_25690077	NC_021163.1	Ca_kabuli_chr04	25690077	AA	GG	1940287757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64848_25695917	NC_021163.1	Ca_kabuli_chr04	25695917	TT	AA	1940287763
SNP_P1_64849_25695974	NC_021163.1	Ca_kabuli_chr04	25695974	CC	TT	1940287765
SNP_P1_64850_25698629	NC_021163.1	Ca_kabuli_chr04	25698629	GG	AA	1940287767
SNP_P1_64851_25699169	NC_021163.1	Ca_kabuli_chr04	25699169	AA	GG	1940287769
SNP_P1_64852_25699256	NC_021163.1	Ca_kabuli_chr04	25699256	GG	CC	1940287770
SNP_P1_64853_25699943	NC_021163.1	Ca_kabuli_chr04	25699943	GG	AA	1940287772
SNP_P1_64854_25699960	NC_021163.1	Ca_kabuli_chr04	25699960	GG	AA	1940287774
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SNP_P1_64856_25708378	NC_021163.1	Ca_kabuli_chr04	25708378	AA	GG	1940287777
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SNP_P1_64861_25712962	NC_021163.1	Ca_kabuli_chr04	25712962	GG	CC	1940287783
SNP_P1_64862_25716967	NC_021163.1	Ca_kabuli_chr04	25716967	TT	CC	1940287784
SNP_P1_64863_25717228	NC_021163.1	Ca_kabuli_chr04	25717228	TT	GG	1940287786
SNP_P1_64864_25717378	NC_021163.1	Ca_kabuli_chr04	25717378	TT	AA	1940287787
SNP_P1_64865_25720630	NC_021163.1	Ca_kabuli_chr04	25720630	TT	CC	1940287789
SNP_P1_64866_25720868	NC_021163.1	Ca_kabuli_chr04	25720868	GG	AA	1940287791
SNP_P1_64867_25720890	NC_021163.1	Ca_kabuli_chr04	25720890	CC	TT	1940287792
SNP_P1_64868_25720921	NC_021163.1	Ca_kabuli_chr04	25720921	AA	GG	1940287794
SNP_P1_64869_25720950	NC_021163.1	Ca_kabuli_chr04	25720950	AA	GG	1940287796
SNP_P1_64871_25721026	NC_021163.1	Ca_kabuli_chr04	25721026	CC	AA	1940287797
SNP_P1_64872_25723399	NC_021163.1	Ca_kabuli_chr04	25723399	TT	CC	1940287799
SNP_P1_64873_25723475	NC_021163.1	Ca_kabuli_chr04	25723475	CC	TT	1940287801
SNP_P1_64874_25723830	NC_021163.1	Ca_kabuli_chr04	25723830	CC	TT	1940287803
SNP_P1_64875_25724105	NC_021163.1	Ca_kabuli_chr04	25724105	CC	GG	1940287805
SNP_P1_64876_25724588	NC_021163.1	Ca_kabuli_chr04	25724588	AA	CC	1940287807
SNP_P1_64877_25725598	NC_021163.1	Ca_kabuli_chr04	25725598	TT	CC	1940287808
SNP_P1_64879_25726820	NC_021163.1	Ca_kabuli_chr04	25726820	TT	GG	1940287810
SNP_P1_64880_25729063	NC_021163.1	Ca_kabuli_chr04	25729063	CC	GG	1940287812
SNP_P1_64881_25731043	NC_021163.1	Ca_kabuli_chr04	25731043	CC	TT	1940287814
SNP_P1_64882_25731102	NC_021163.1	Ca_kabuli_chr04	25731102	CC	TT	1940287816
SNP_P1_64883_25731391	NC_021163.1	Ca_kabuli_chr04	25731391	AA	GG	1940287818
SNP_P1_64884_25731394	NC_021163.1	Ca_kabuli_chr04	25731394	CC	TT	1940287820
SNP_P1_64885_25731400	NC_021163.1	Ca_kabuli_chr04	25731400	GG	CC	1940287822
SNP_P1_64887_25739577	NC_021163.1	Ca_kabuli_chr04	25739577	GG	AA	1940287824
SNP_P1_64888_25741517	NC_021163.1	Ca_kabuli_chr04	25741517	AA	GG	1940287826
SNP_P1_64889_25744472	NC_021163.1	Ca_kabuli_chr04	25744472	TT	AA	1940287828
SNP_P1_64890_25752953	NC_021163.1	Ca_kabuli_chr04	25752953	GG	AA	1940287830
SNP_P1_64891_25753280	NC_021163.1	Ca_kabuli_chr04	25753280	TT	AA	1940287832

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64893_25754470	NC_021163.1	Ca_kabuli_chr04	25754470	AA	GG	1940287835
SNP_P1_64894_25754687	NC_021163.1	Ca_kabuli_chr04	25754687	CC	AA	1940287836
SNP_P1_64895_25755573	NC_021163.1	Ca_kabuli_chr04	25755573	AA	TT	1940287838
SNP_P1_64896_25755575	NC_021163.1	Ca_kabuli_chr04	25755575	GG	CC	1940287840
SNP_P1_64897_25756377	NC_021163.1	Ca_kabuli_chr04	25756377	AA	GG	1940287841
SNP_P1_64898_25758049	NC_021163.1	Ca_kabuli_chr04	25758049	CC	TT	1940287842
SNP_P1_64900_25758254	NC_021163.1	Ca_kabuli_chr04	25758254	AA	GG	1940287844
SNP_P1_64902_25760195	NC_021163.1	Ca_kabuli_chr04	25760195	GG	AA	1940287845
SNP_P1_64903_25760356	NC_021163.1	Ca_kabuli_chr04	25760356	GG	AA	1940287847
SNP_P1_64904_25760431	NC_021163.1	Ca_kabuli_chr04	25760431	TT	CC	1940287848
SNP_P1_64905_25760566	NC_021163.1	Ca_kabuli_chr04	25760566	CC	TT	1940287850
SNP_P1_64906_25760572	NC_021163.1	Ca_kabuli_chr04	25760572	TT	CC	1940287851
SNP_P1_64907_25762250	NC_021163.1	Ca_kabuli_chr04	25762250	AA	GG	1940287852
SNP_P1_64908_25763196	NC_021163.1	Ca_kabuli_chr04	25763196	GG	TT	1940287853
SNP_P1_64909_25768063	NC_021163.1	Ca_kabuli_chr04	25768063	GG	AA	1940287854
SNP_P1_64911_25768418	NC_021163.1	Ca_kabuli_chr04	25768418	TT	AA	1940287855
SNP_P1_64912_25768465	NC_021163.1	Ca_kabuli_chr04	25768465	AA	GG	1940287857
SNP_P1_64913_25768466	NC_021163.1	Ca_kabuli_chr04	25768466	AA	GG	1940287858
SNP_P1_64914_25768479	NC_021163.1	Ca_kabuli_chr04	25768479	GG	TT	1940287859
SNP_P1_64915_25768481	NC_021163.1	Ca_kabuli_chr04	25768481	AA	GG	1940287861
SNP_P1_64916_25768528	NC_021163.1	Ca_kabuli_chr04	25768528	TT	GG	1940287862
SNP_P1_64917_25769226	NC_021163.1	Ca_kabuli_chr04	25769226	AA	GG	1940287863
SNP_P1_64918_25769887	NC_021163.1	Ca_kabuli_chr04	25769887	GG	CC	1940287865
SNP_P1_64919_25770537	NC_021163.1	Ca_kabuli_chr04	25770537	TT	CC	1940287866
SNP_P1_64921_25772303	NC_021163.1	Ca_kabuli_chr04	25772303	GG	AA	1940287867
SNP_P1_64922_25772364	NC_021163.1	Ca_kabuli_chr04	25772364	GG	AA	1940287868
SNP_P1_64923_25772681	NC_021163.1	Ca_kabuli_chr04	25772681	AA	GG	1940287869
SNP_P1_64924_25773324	NC_021163.1	Ca_kabuli_chr04	25773324	GG	AA	1940287871
SNP_P1_64925_25773761	NC_021163.1	Ca_kabuli_chr04	25773761	TT	AA	1940287873
SNP_P1_64926_25773882	NC_021163.1	Ca_kabuli_chr04	25773882	GG	AA	1940287874
SNP_P1_64928_25775971	NC_021163.1	Ca_kabuli_chr04	25775971	TT	CC	1940287876
SNP_P1_64930_25776377	NC_021163.1	Ca_kabuli_chr04	25776377	GG	AA	1940287877
SNP_P1_64931_25776543	NC_021163.1	Ca_kabuli_chr04	25776543	GG	AA	1940287879
SNP_P1_64932_25776557	NC_021163.1	Ca_kabuli_chr04	25776557	CC	TT	1940287881
SNP_P1_64933_25776575	NC_021163.1	Ca_kabuli_chr04	25776575	GG	AA	1940287883
SNP_P1_64934_25776622	NC_021163.1	Ca_kabuli_chr04	25776622	CC	TT	1940287884
SNP_P1_64935_25776692	NC_021163.1	Ca_kabuli_chr04	25776692	GG	AA	1940287886
SNP_P1_64936_25777935	NC_021163.1	Ca_kabuli_chr04	25777935	AA	GG	1940287888
SNP_P1_64937_25777981	NC_021163.1	Ca_kabuli_chr04	25777981	TT	CC	1940287889
SNP_P1_64938_25779526	NC_021163.1	Ca_kabuli_chr04	25779526	GG	AA	1940287890
SNP_P1_64939_25779556	NC_021163.1	Ca_kabuli_chr04	25779556	GG	AA	1940287892

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64941_25780012	NC_021163.1	Ca_kabuli_chr04	25780012	GG	TT	1940287895
SNP_P1_64943_25781808	NC_021163.1	Ca_kabuli_chr04	25781808	AA	GG	1940287897
SNP_P1_64944_25782220	NC_021163.1	Ca_kabuli_chr04	25782220	TT	AA	1940287898
SNP_P1_64945_25782789	NC_021163.1	Ca_kabuli_chr04	25782789	CC	TT	1940287901
SNP_P1_64946_25782917	NC_021163.1	Ca_kabuli_chr04	25782917	CC	TT	1940287903
SNP_P1_64947_25782987	NC_021163.1	Ca_kabuli_chr04	25782987	AA	GG	1940287905
SNP_P1_64948_25783289	NC_021163.1	Ca_kabuli_chr04	25783289	GG	AA	1940287907
SNP_P1_64950_25784140	NC_021163.1	Ca_kabuli_chr04	25784140	CC	TT	1940287909
SNP_P1_64951_25784728	NC_021163.1	Ca_kabuli_chr04	25784728	CC	GG	1940287911
SNP_P1_64952_25785198	NC_021163.1	Ca_kabuli_chr04	25785198	AA	GG	1940287914
SNP_P1_64953_25790132	NC_021163.1	Ca_kabuli_chr04	25790132	CC	TT	1940287916
SNP_P1_64954_25790206	NC_021163.1	Ca_kabuli_chr04	25790206	TT	GG	1940287918
SNP_P1_64956_25790550	NC_021163.1	Ca_kabuli_chr04	25790550	TT	CC	1940287920
SNP_P1_64957_25790566	NC_021163.1	Ca_kabuli_chr04	25790566	GG	AA	1940287922
SNP_P1_64958_25790654	NC_021163.1	Ca_kabuli_chr04	25790654	CC	TT	1940287923
SNP_P1_64959_25790779	NC_021163.1	Ca_kabuli_chr04	25790779	CC	TT	1940287925
SNP_P1_64960_25791689	NC_021163.1	Ca_kabuli_chr04	25791689	CC	AA	1940287927
SNP_P1_64961_25793178	NC_021163.1	Ca_kabuli_chr04	25793178	CC	AA	1940287930
SNP_P1_64962_25793854	NC_021163.1	Ca_kabuli_chr04	25793854	CC	TT	1940287932
SNP_P1_64963_25795797	NC_021163.1	Ca_kabuli_chr04	25795797	GG	AA	1940287935
SNP_P1_64964_25796492	NC_021163.1	Ca_kabuli_chr04	25796492	CC	TT	1940287938
SNP_P1_64965_25800824	NC_021163.1	Ca_kabuli_chr04	25800824	GG	AA	1940287942
SNP_P1_64966_25801295	NC_021163.1	Ca_kabuli_chr04	25801295	CC	TT	1940287943
SNP_P1_64968_25802511	NC_021163.1	Ca_kabuli_chr04	25802511	AA	GG	1940287945
SNP_P1_64969_25803666	NC_021163.1	Ca_kabuli_chr04	25803666	TT	AA	1940287947
SNP_P1_64970_25803723	NC_021163.1	Ca_kabuli_chr04	25803723	GG	AA	1940287949
SNP_P1_64971_25803830	NC_021163.1	Ca_kabuli_chr04	25803830	TT	CC	1940287951
SNP_P1_64972_25804035	NC_021163.1	Ca_kabuli_chr04	25804035	GG	AA	1940287953
SNP_P1_64973_25804124	NC_021163.1	Ca_kabuli_chr04	25804124	GG	TT	1940287955
SNP_P1_64974_25804848	NC_021163.1	Ca_kabuli_chr04	25804848	AA	TT	1940287956
SNP_P1_64975_25805072	NC_021163.1	Ca_kabuli_chr04	25805072	AA	CC	1940287958
SNP_P1_64976_25807511	NC_021163.1	Ca_kabuli_chr04	25807511	AA	GG	1940287960
SNP_P1_64977_25810862	NC_021163.1	Ca_kabuli_chr04	25810862	CC	TT	1940287961
SNP_P1_64979_25812506	NC_021163.1	Ca_kabuli_chr04	25812506	AA	TT	1940287964
SNP_P1_64980_25813813	NC_021163.1	Ca_kabuli_chr04	25813813	TT	CC	1940287966
SNP_P1_64981_25814068	NC_021163.1	Ca_kabuli_chr04	25814068	CC	GG	1940287967
SNP_P1_64982_25815454	NC_021163.1	Ca_kabuli_chr04	25815454	TT	CC	1940287969
SNP_P1_64983_25815770	NC_021163.1	Ca_kabuli_chr04	25815770	AA	GG	1940287970
SNP_P1_64984_25817195	NC_021163.1	Ca_kabuli_chr04	25817195	TT	CC	1940287972
SNP_P1_64985_25817442	NC_021163.1	Ca_kabuli_chr04	25817442	AA	CC	1940287974
SNP_P1_64986_25818324	NC_021163.1	Ca_kabuli_chr04	25818324	AA	TT	1940287976

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_64989_25820578	NC_021163.1	Ca_kabuli_chr04	25820578	AA	GG	1940287980
SNP_P1_64990_25820633	NC_021163.1	Ca_kabuli_chr04	25820633	TT	GG	1940287982
SNP_P1_64991_25821756	NC_021163.1	Ca_kabuli_chr04	25821756	AA	GG	1940287983
SNP_P1_64994_25824625	NC_021163.1	Ca_kabuli_chr04	25824625	GG	AA	1940287985
SNP_P1_64995_25824859	NC_021163.1	Ca_kabuli_chr04	25824859	TT	CC	1940287987
SNP_P1_64996_25826005	NC_021163.1	Ca_kabuli_chr04	25826005	GG	AA	1940287989
SNP_P1_64997_25826043	NC_021163.1	Ca_kabuli_chr04	25826043	GG	AA	1940287990
SNP_P1_64998_25829358	NC_021163.1	Ca_kabuli_chr04	25829358	AA	TT	1940287992
SNP_P1_64999_25832385	NC_021163.1	Ca_kabuli_chr04	25832385	AA	GG	1940287994
SNP_P1_65000_25832707	NC_021163.1	Ca_kabuli_chr04	25832707	CC	TT	1940287995
SNP_P1_65002_25833696	NC_021163.1	Ca_kabuli_chr04	25833696	GG	AA	1940287997
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SNP_P1_65004_25834920	NC_021163.1	Ca_kabuli_chr04	25834920	AA	GG	1940288001
SNP_P1_65005_25834945	NC_021163.1	Ca_kabuli_chr04	25834945	TT	CC	1940288003
SNP_P1_65007_25834982	NC_021163.1	Ca_kabuli_chr04	25834982	CC	TT	1940288004
SNP_P1_65008_25835912	NC_021163.1	Ca_kabuli_chr04	25835912	AA	GG	1940288006
SNP_P1_65009_25836167	NC_021163.1	Ca_kabuli_chr04	25836167	AA	GG	1940288008
SNP_P1_65010_25836171	NC_021163.1	Ca_kabuli_chr04	25836171	AA	GG	1940288010
SNP_P1_65012_25847277	NC_021163.1	Ca_kabuli_chr04	25847277	GG	AA	1940288011
SNP_P1_65013_25847288	NC_021163.1	Ca_kabuli_chr04	25847288	GG	TT	1940288013
SNP_P1_65014_25847303	NC_021163.1	Ca_kabuli_chr04	25847303	CC	TT	1940288014
SNP_P1_65015_25847655	NC_021163.1	Ca_kabuli_chr04	25847655	CC	AA	1940288016
SNP_P1_65017_25847740	NC_021163.1	Ca_kabuli_chr04	25847740	GG	TT	1940288018
SNP_P1_65018_25848042	NC_021163.1	Ca_kabuli_chr04	25848042	AA	CC	1940288019
SNP_P1_65019_25852723	NC_021163.1	Ca_kabuli_chr04	25852723	AA	GG	1940288021
SNP_P1_65021_25854352	NC_021163.1	Ca_kabuli_chr04	25854352	AA	CC	1940288023
SNP_P1_65024_25854865	NC_021163.1	Ca_kabuli_chr04	25854865	GG	AA	1940288024
SNP_P1_65025_25857405	NC_021163.1	Ca_kabuli_chr04	25857405	TT	CC	1940288026
SNP_P1_65026_25857538	NC_021163.1	Ca_kabuli_chr04	25857538	TT	GG	1940288028
SNP_P1_65027_25858191	NC_021163.1	Ca_kabuli_chr04	25858191	GG	AA	1940288029
SNP_P1_65028_25860451	NC_021163.1	Ca_kabuli_chr04	25860451	CC	TT	1940288031
SNP_P1_65029_25861059	NC_021163.1	Ca_kabuli_chr04	25861059	AA	GG	1940288033
SNP_P1_65031_25863067	NC_021163.1	Ca_kabuli_chr04	25863067	TT	AA	1940288034
SNP_P1_65033_25865407	NC_021163.1	Ca_kabuli_chr04	25865407	AA	GG	1940288036
SNP_P1_65034_25866443	NC_021163.1	Ca_kabuli_chr04	25866443	GG	CC	1940288038
SNP_P1_65035_25867541	NC_021163.1	Ca_kabuli_chr04	25867541	CC	TT	1940288039
SNP_P1_65036_25867568	NC_021163.1	Ca_kabuli_chr04	25867568	AA	GG	1940288041
SNP_P1_65038_25870535	NC_021163.1	Ca_kabuli_chr04	25870535	AA	GG	1940288043
SNP_P1_65039_25873697	NC_021163.1	Ca_kabuli_chr04	25873697	CC	TT	1940288045
SNP_P1_65040_25875045	NC_021163.1	Ca_kabuli_chr04	25875045	GG	AA	1940288047
SNP_P1_65041_25878849	NC_021163.1	Ca_kabuli_chr04	25878849	GG	AA	1940288048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65044_25882407	NC_021163.1	Ca_kabuli_chr04	25882407	AA	CC	1940288053
SNP_P1_65045_25882677	NC_021163.1	Ca_kabuli_chr04	25882677	GG	TT	1940288054
SNP_P1_65046_25883195	NC_021163.1	Ca_kabuli_chr04	25883195	TT	CC	1940288056
SNP_P1_65047_25883221	NC_021163.1	Ca_kabuli_chr04	25883221	CC	AA	1940288058
SNP_P1_65048_25883493	NC_021163.1	Ca_kabuli_chr04	25883493	GG	AA	1940288059
SNP_P1_65049_25884462	NC_021163.1	Ca_kabuli_chr04	25884462	GG	CC	1940288061
SNP_P1_65051_25884687	NC_021163.1	Ca_kabuli_chr04	25884687	CC	TT	1940288063
SNP_P1_65052_25884871	NC_021163.1	Ca_kabuli_chr04	25884871	GG	AA	1940288064
SNP_P1_65053_25885290	NC_021163.1	Ca_kabuli_chr04	25885290	GG	CC	1940288066
SNP_P1_65054_25885315	NC_021163.1	Ca_kabuli_chr04	25885315	AA	GG	1940288068
SNP_P1_65055_25885426	NC_021163.1	Ca_kabuli_chr04	25885426	AA	TT	1940288070
SNP_P1_65056_25886998	NC_021163.1	Ca_kabuli_chr04	25886998	CC	TT	1940288072
SNP_P1_65057_25887548	NC_021163.1	Ca_kabuli_chr04	25887548	TT	AA	1940288075
SNP_P1_65058_25887712	NC_021163.1	Ca_kabuli_chr04	25887712	GG	AA	1940288076
SNP_P1_65059_25887777	NC_021163.1	Ca_kabuli_chr04	25887777	CC	AA	1940288079
SNP_P1_65060_25887822	NC_021163.1	Ca_kabuli_chr04	25887822	GG	TT	1940288082
SNP_P1_65061_25887835	NC_021163.1	Ca_kabuli_chr04	25887835	CC	TT	1940288084
SNP_P1_65062_25889441	NC_021163.1	Ca_kabuli_chr04	25889441	GG	AA	1940288086
SNP_P1_65063_25889475	NC_021163.1	Ca_kabuli_chr04	25889475	TT	CC	1940288088
SNP_P1_65065_25890903	NC_021163.1	Ca_kabuli_chr04	25890903	TT	AA	1940288090
SNP_P1_65066_25890920	NC_021163.1	Ca_kabuli_chr04	25890920	AA	CC	1940288092
SNP_P1_65067_25890969	NC_021163.1	Ca_kabuli_chr04	25890969	TT	GG	1940288094
SNP_P1_65068_25891822	NC_021163.1	Ca_kabuli_chr04	25891822	TT	AA	1940288097
SNP_P1_65069_25891823	NC_021163.1	Ca_kabuli_chr04	25891823	AA	CC	1940288099
SNP_P1_65070_25892200	NC_021163.1	Ca_kabuli_chr04	25892200	TT	AA	1940288101
SNP_P1_65071_25892771	NC_021163.1	Ca_kabuli_chr04	25892771	AA	CC	1940288102
SNP_P1_65072_25894362	NC_021163.1	Ca_kabuli_chr04	25894362	AA	GG	1940288104
SNP_P1_65073_25894390	NC_021163.1	Ca_kabuli_chr04	25894390	AA	CC	1940288106
SNP_P1_65074_25894468	NC_021163.1	Ca_kabuli_chr04	25894468	AA	TT	1940288108
SNP_P1_65075_25894761	NC_021163.1	Ca_kabuli_chr04	25894761	TT	AA	1940288110
SNP_P1_65076_25896069	NC_021163.1	Ca_kabuli_chr04	25896069	CC	AA	1940288113
SNP_P1_65077_25896118	NC_021163.1	Ca_kabuli_chr04	25896118	TT	CC	1940288115
SNP_P1_65078_25896319	NC_021163.1	Ca_kabuli_chr04	25896319	CC	GG	1940288117
SNP_P1_65079_25896387	NC_021163.1	Ca_kabuli_chr04	25896387	AA	GG	1940288118
SNP_P1_65080_25897464	NC_021163.1	Ca_kabuli_chr04	25897464	CC	AA	1940288120
SNP_P1_65081_25897842	NC_021163.1	Ca_kabuli_chr04	25897842	TT	CC	1940288122
SNP_P1_65083_25898135	NC_021163.1	Ca_kabuli_chr04	25898135	GG	AA	1940288123
SNP_P1_65084_25902925	NC_021163.1	Ca_kabuli_chr04	25902925	GG	AA	1940288125
SNP_P1_65085_25903091	NC_021163.1	Ca_kabuli_chr04	25903091	GG	CC	1940288126
SNP_P1_65086_25903105	NC_021163.1	Ca_kabuli_chr04	25903105	AA	CC	1940288128

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65088_25905570	NC_021163.1	Ca_kabuli_chr04	25905570	CC	AA	1940288131
SNP_P1_65089_25907539	NC_021163.1	Ca_kabuli_chr04	25907539	TT	GG	1940288132
SNP_P1_65090_25907596	NC_021163.1	Ca_kabuli_chr04	25907596	GG	AA	1940288134
SNP_P1_65091_25907597	NC_021163.1	Ca_kabuli_chr04	25907597	AA	TT	1940288135
SNP_P1_65092_25909034	NC_021163.1	Ca_kabuli_chr04	25909034	TT	CC	1940288137
SNP_P1_65093_25909376	NC_021163.1	Ca_kabuli_chr04	25909376	AA	GG	1940288138
SNP_P1_65094_25909397	NC_021163.1	Ca_kabuli_chr04	25909397	CC	TT	1940288140
SNP_P1_65095_25909499	NC_021163.1	Ca_kabuli_chr04	25909499	CC	AA	1940288141
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SNP_P1_65097_25909521	NC_021163.1	Ca_kabuli_chr04	25909521	GG	TT	1940288143
SNP_P1_65098_25910328	NC_021163.1	Ca_kabuli_chr04	25910328	TT	AA	1940288144
SNP_P1_65099_25910329	NC_021163.1	Ca_kabuli_chr04	25910329	TT	CC	1940288146
SNP_P1_65100_25910696	NC_021163.1	Ca_kabuli_chr04	25910696	TT	CC	1940288147
SNP_P1_65101_25911214	NC_021163.1	Ca_kabuli_chr04	25911214	TT	CC	1940288148
SNP_P1_65102_25911444	NC_021163.1	Ca_kabuli_chr04	25911444	CC	AA	1940288150
SNP_P1_65103_25912814	NC_021163.1	Ca_kabuli_chr04	25912814	CC	GG	1940288152
SNP_P1_65104_25912821	NC_021163.1	Ca_kabuli_chr04	25912821	AA	GG	1940288153
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SNP_P1_65106_25912899	NC_021163.1	Ca_kabuli_chr04	25912899	GG	AA	1940288156
SNP_P1_65107_25913604	NC_021163.1	Ca_kabuli_chr04	25913604	CC	TT	1940288158
SNP_P1_65108_25913645	NC_021163.1	Ca_kabuli_chr04	25913645	TT	GG	1940288159
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SNP_P1_65110_25915317	NC_021163.1	Ca_kabuli_chr04	25915317	CC	TT	1940288163
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SNP_P1_65114_25916845	NC_021163.1	Ca_kabuli_chr04	25916845	GG	AA	1940288167
SNP_P1_65115_25916878	NC_021163.1	Ca_kabuli_chr04	25916878	CC	TT	1940288169
SNP_P1_65116_25916920	NC_021163.1	Ca_kabuli_chr04	25916920	AA	CC	1940288171
SNP_P1_65117_25916984	NC_021163.1	Ca_kabuli_chr04	25916984	CC	AA	1940288172
SNP_P1_65118_25917031	NC_021163.1	Ca_kabuli_chr04	25917031	CC	TT	1940288174
SNP_P1_65119_25917105	NC_021163.1	Ca_kabuli_chr04	25917105	CC	TT	1940288176
SNP_P1_65120_25917147	NC_021163.1	Ca_kabuli_chr04	25917147	CC	TT	1940288177
SNP_P1_65121_25918405	NC_021163.1	Ca_kabuli_chr04	25918405	CC	GG	1940288179
SNP_P1_65122_25923959	NC_021163.1	Ca_kabuli_chr04	25923959	GG	TT	1940288181
SNP_P1_65123_25923977	NC_021163.1	Ca_kabuli_chr04	25923977	GG	AA	1940288182
SNP_P1_65126_25926006	NC_021163.1	Ca_kabuli_chr04	25926006	AA	GG	1940288184
SNP_P1_65127_25926799	NC_021163.1	Ca_kabuli_chr04	25926799	GG	AA	1940288185
SNP_P1_65128_25926918	NC_021163.1	Ca_kabuli_chr04	25926918	TT	CC	1940288187
SNP_P1_65130_25934778	NC_021163.1	Ca_kabuli_chr04	25934778	AA	GG	1940288189
SNP_P1_65131_25934940	NC_021163.1	Ca_kabuli_chr04	25934940	GG	TT	1940288190
SNP_P1_65132_25935749	NC_021163.1	Ca_kabuli_chr04	25935749	AA	GG	1940288192

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65135_25937309	NC_021163.1	Ca_kabuli_chr04	25937309	GG	AA	1940288195
SNP_P1_65137_25937554	NC_021163.1	Ca_kabuli_chr04	25937554	GG	AA	1940288197
SNP_P1_65138_25937811	NC_021163.1	Ca_kabuli_chr04	25937811	GG	AA	1940288198
SNP_P1_65139_25937814	NC_021163.1	Ca_kabuli_chr04	25937814	CC	TT	1940288200
SNP_P1_65140_25939551	NC_021163.1	Ca_kabuli_chr04	25939551	TT	CC	1940288202
SNP_P1_65141_25940156	NC_021163.1	Ca_kabuli_chr04	25940156	AA	GG	1940288203
SNP_P1_65142_25940187	NC_021163.1	Ca_kabuli_chr04	25940187	GG	TT	1940288205
SNP_P1_65144_25940234	NC_021163.1	Ca_kabuli_chr04	25940234	AA	GG	1940288207
SNP_P1_65145_25940402	NC_021163.1	Ca_kabuli_chr04	25940402	TT	CC	1940288208
SNP_P1_65146_25940482	NC_021163.1	Ca_kabuli_chr04	25940482	GG	AA	1940288210
SNP_P1_65148_25942364	NC_021163.1	Ca_kabuli_chr04	25942364	TT	AA	1940288212
SNP_P1_65150_25943464	NC_021163.1	Ca_kabuli_chr04	25943464	GG	CC	1940288213
SNP_P1_65151_25943687	NC_021163.1	Ca_kabuli_chr04	25943687	GG	AA	1940288215
SNP_P1_65153_25944593	NC_021163.1	Ca_kabuli_chr04	25944593	TT	CC	1940288217
SNP_P1_65154_25945207	NC_021163.1	Ca_kabuli_chr04	25945207	CC	GG	1940288218
SNP_P1_65156_25945372	NC_021163.1	Ca_kabuli_chr04	25945372	AA	CC	1940288220
SNP_P1_65157_25945430	NC_021163.1	Ca_kabuli_chr04	25945430	GG	AA	1940288222
SNP_P1_65158_25945496	NC_021163.1	Ca_kabuli_chr04	25945496	GG	AA	1940288223
SNP_P1_65159_25945677	NC_021163.1	Ca_kabuli_chr04	25945677	GG	AA	1940288225
SNP_P1_65160_25945699	NC_021163.1	Ca_kabuli_chr04	25945699	GG	TT	1940288226
SNP_P1_65161_25945853	NC_021163.1	Ca_kabuli_chr04	25945853	TT	CC	1940288228
SNP_P1_65162_25946169	NC_021163.1	Ca_kabuli_chr04	25946169	CC	TT	1940288230
SNP_P1_65163_25946425	NC_021163.1	Ca_kabuli_chr04	25946425	GG	AA	1940288231
SNP_P1_65165_25947115	NC_021163.1	Ca_kabuli_chr04	25947115	CC	TT	1940288233
SNP_P1_65166_25947225	NC_021163.1	Ca_kabuli_chr04	25947225	AA	GG	1940288235
SNP_P1_65167_25947242	NC_021163.1	Ca_kabuli_chr04	25947242	CC	TT	1940288236
SNP_P1_65168_25948055	NC_021163.1	Ca_kabuli_chr04	25948055	CC	TT	1940288238
SNP_P1_65169_25948430	NC_021163.1	Ca_kabuli_chr04	25948430	CC	TT	1940288240
SNP_P1_65170_25948671	NC_021163.1	Ca_kabuli_chr04	25948671	TT	GG	1940288241
SNP_P1_65171_25948746	NC_021163.1	Ca_kabuli_chr04	25948746	GG	AA	1940288243
SNP_P1_65172_25949189	NC_021163.1	Ca_kabuli_chr04	25949189	GG	TT	1940288245
SNP_P1_65173_25949209	NC_021163.1	Ca_kabuli_chr04	25949209	CC	TT	1940288247
SNP_P1_65174_25949616	NC_021163.1	Ca_kabuli_chr04	25949616	GG	AA	1940288248
SNP_P1_65175_25949627	NC_021163.1	Ca_kabuli_chr04	25949627	TT	CC	1940288250
SNP_P1_65176_25949765	NC_021163.1	Ca_kabuli_chr04	25949765	GG	AA	1940288252
SNP_P1_65177_25949802	NC_021163.1	Ca_kabuli_chr04	25949802	CC	TT	1940288253
SNP_P1_65178_25949838	NC_021163.1	Ca_kabuli_chr04	25949838	TT	AA	1940288255
SNP_P1_65179_25950191	NC_021163.1	Ca_kabuli_chr04	25950191	CC	AA	1940288257
SNP_P1_65180_25950593	NC_021163.1	Ca_kabuli_chr04	25950593	TT	AA	1940288258
SNP_P1_65181_25950624	NC_021163.1	Ca_kabuli_chr04	25950624	CC	TT	1940288260
SNP_P1_65182_25951719	NC_021163.1	Ca_kabuli_chr04	25951719	CC	TT	1940288262

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65184_25954035	NC_021163.1	Ca_kabuli_chr04	25954035	GG	TT	1940288265
SNP_P1_65185_25954225	NC_021163.1	Ca_kabuli_chr04	25954225	GG	AA	1940288267
SNP_P1_65187_25955392	NC_021163.1	Ca_kabuli_chr04	25955392	GG	CC	1940288268
SNP_P1_65188_25955763	NC_021163.1	Ca_kabuli_chr04	25955763	TT	CC	1940288270
SNP_P1_65190_25956493	NC_021163.1	Ca_kabuli_chr04	25956493	GG	AA	1940288271
SNP_P1_65191_25956517	NC_021163.1	Ca_kabuli_chr04	25956517	AA	GG	1940288273
SNP_P1_65192_25956521	NC_021163.1	Ca_kabuli_chr04	25956521	CC	TT	1940288275
SNP_P1_65193_25956529	NC_021163.1	Ca_kabuli_chr04	25956529	AA	GG	1940288276
SNP_P1_65194_25956533	NC_021163.1	Ca_kabuli_chr04	25956533	CC	TT	1940288278
SNP_P1_65195_25956691	NC_021163.1	Ca_kabuli_chr04	25956691	GG	TT	1940288280
SNP_P1_65196_25956716	NC_021163.1	Ca_kabuli_chr04	25956716	TT	GG	1940288281
SNP_P1_65197_25956911	NC_021163.1	Ca_kabuli_chr04	25956911	TT	GG	1940288283
SNP_P1_65198_25956922	NC_021163.1	Ca_kabuli_chr04	25956922	AA	GG	1940288285
SNP_P1_65199_25956952	NC_021163.1	Ca_kabuli_chr04	25956952	GG	AA	1940288286
SNP_P1_65200_25957015	NC_021163.1	Ca_kabuli_chr04	25957015	GG	AA	1940288288
SNP_P1_65201_25957027	NC_021163.1	Ca_kabuli_chr04	25957027	CC	GG	1940288290
SNP_P1_65202_25957044	NC_021163.1	Ca_kabuli_chr04	25957044	GG	AA	1940288292
SNP_P1_65203_25957153	NC_021163.1	Ca_kabuli_chr04	25957153	GG	AA	1940288293
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SNP_P1_65205_25957313	NC_021163.1	Ca_kabuli_chr04	25957313	CC	AA	1940288297
SNP_P1_65206_25957471	NC_021163.1	Ca_kabuli_chr04	25957471	AA	TT	1940288298
SNP_P1_65207_25957595	NC_021163.1	Ca_kabuli_chr04	25957595	TT	AA	1940288300
SNP_P1_65209_25957853	NC_021163.1	Ca_kabuli_chr04	25957853	CC	AA	1940288302
SNP_P1_65210_25957867	NC_021163.1	Ca_kabuli_chr04	25957867	TT	CC	1940288303
SNP_P1_65211_25957943	NC_021163.1	Ca_kabuli_chr04	25957943	GG	AA	1940288305
SNP_P1_65213_25958045	NC_021163.1	Ca_kabuli_chr04	25958045	CC	TT	1940288307
SNP_P1_65215_25958158	NC_021163.1	Ca_kabuli_chr04	25958158	TT	CC	1940288308
SNP_P1_65216_25958596	NC_021163.1	Ca_kabuli_chr04	25958596	AA	TT	1940288310
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SNP_P1_65218_25958664	NC_021163.1	Ca_kabuli_chr04	25958664	CC	TT	1940288313
SNP_P1_65219_25958683	NC_021163.1	Ca_kabuli_chr04	25958683	CC	TT	1940288315
SNP_P1_65221_25959231	NC_021163.1	Ca_kabuli_chr04	25959231	CC	AA	1940288317
SNP_P1_65222_25959868	NC_021163.1	Ca_kabuli_chr04	25959868	TT	CC	1940288318
SNP_P1_65224_25960046	NC_021163.1	Ca_kabuli_chr04	25960046	TT	AA	1940288320
SNP_P1_65225_25960438	NC_021163.1	Ca_kabuli_chr04	25960438	CC	TT	1940288322
SNP_P1_65226_25960455	NC_021163.1	Ca_kabuli_chr04	25960455	AA	GG	1940288323
SNP_P1_65227_25962282	NC_021163.1	Ca_kabuli_chr04	25962282	AA	GG	1940288325
SNP_P1_65228_25962491	NC_021163.1	Ca_kabuli_chr04	25962491	AA	TT	1940288327
SNP_P1_65229_25962559	NC_021163.1	Ca_kabuli_chr04	25962559	CC	GG	1940288328
SNP_P1_65230_25962651	NC_021163.1	Ca_kabuli_chr04	25962651	CC	TT	1940288330
SNP_P1_65231_25962759	NC_021163.1	Ca_kabuli_chr04	25962759	TT	GG	1940288331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65235_25963017	NC_021163.1	Ca_kabuli_chr04	25963017	AA	TT	1940288335
SNP_P1_65237_25963259	NC_021163.1	Ca_kabuli_chr04	25963259	GG	AA	1940288336
SNP_P1_65239_25963301	NC_021163.1	Ca_kabuli_chr04	25963301	TT	CC	1940288338
SNP_P1_65240_25963305	NC_021163.1	Ca_kabuli_chr04	25963305	AA	GG	1940288340
SNP_P1_65241_25963410	NC_021163.1	Ca_kabuli_chr04	25963410	CC	TT	1940288341
SNP_P1_65242_25963465	NC_021163.1	Ca_kabuli_chr04	25963465	GG	AA	1940288343
SNP_P1_65244_25963486	NC_021163.1	Ca_kabuli_chr04	25963486	AA	CC	1940288345
SNP_P1_65245_25963487	NC_021163.1	Ca_kabuli_chr04	25963487	GG	AA	1940288346
SNP_P1_65246_25963505	NC_021163.1	Ca_kabuli_chr04	25963505	AA	CC	1940288348
SNP_P1_65247_25963509	NC_021163.1	Ca_kabuli_chr04	25963509	GG	TT	1940288350
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SNP_P1_65251_25963588	NC_021163.1	Ca_kabuli_chr04	25963588	CC	TT	1940288356
SNP_P1_65252_25963676	NC_021163.1	Ca_kabuli_chr04	25963676	CC	AA	1940288358
SNP_P1_65253_25963705	NC_021163.1	Ca_kabuli_chr04	25963705	AA	TT	1940288360
SNP_P1_65254_25963765	NC_021163.1	Ca_kabuli_chr04	25963765	AA	GG	1940288361
SNP_P1_65255_25963779	NC_021163.1	Ca_kabuli_chr04	25963779	AA	CC	1940288363
SNP_P1_65257_25964127	NC_021163.1	Ca_kabuli_chr04	25964127	TT	CC	1940288365
SNP_P1_65258_25964215	NC_021163.1	Ca_kabuli_chr04	25964215	TT	GG	1940288366
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SNP_P1_65261_25964286	NC_021163.1	Ca_kabuli_chr04	25964286	TT	CC	1940288371
SNP_P1_65262_25964296	NC_021163.1	Ca_kabuli_chr04	25964296	CC	TT	1940288373
SNP_P1_65263_25964368	NC_021163.1	Ca_kabuli_chr04	25964368	GG	AA	1940288374
SNP_P1_65264_25964478	NC_021163.1	Ca_kabuli_chr04	25964478	AA	GG	1940288376
SNP_P1_65265_25964543	NC_021163.1	Ca_kabuli_chr04	25964543	AA	GG	1940288378
SNP_P1_65266_25964692	NC_021163.1	Ca_kabuli_chr04	25964692	AA	CC	1940288379
SNP_P1_65267_25964701	NC_021163.1	Ca_kabuli_chr04	25964701	CC	TT	1940288381
SNP_P1_65268_25964738	NC_021163.1	Ca_kabuli_chr04	25964738	AA	GG	1940288383
SNP_P1_65269_25964847	NC_021163.1	Ca_kabuli_chr04	25964847	GG	TT	1940288384
SNP_P1_65270_25964855	NC_021163.1	Ca_kabuli_chr04	25964855	AA	CC	1940288386
SNP_P1_65271_25965130	NC_021163.1	Ca_kabuli_chr04	25965130	AA	GG	1940288388
SNP_P1_65272_25965183	NC_021163.1	Ca_kabuli_chr04	25965183	GG	AA	1940288389
SNP_P1_65273_25965188	NC_021163.1	Ca_kabuli_chr04	25965188	TT	GG	1940288391
SNP_P1_65274_25965211	NC_021163.1	Ca_kabuli_chr04	25965211	CC	TT	1940288393
SNP_P1_65275_25965337	NC_021163.1	Ca_kabuli_chr04	25965337	AA	CC	1940288394
SNP_P1_65277_25965394	NC_021163.1	Ca_kabuli_chr04	25965394	CC	TT	1940288396
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SNP_P1_65279_25965544	NC_021163.1	Ca_kabuli_chr04	25965544	GG	CC	1940288399
SNP_P1_65280_25965801	NC_021163.1	Ca_kabuli_chr04	25965801	GG	TT	1940288400

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65282_25965854	NC_021163.1	Ca_kabuli_chr04	25965854	AA	CC	1940288402
SNP_P1_65283_25965883	NC_021163.1	Ca_kabuli_chr04	25965883	GG	AA	1940288404
SNP_P1_65284_25965993	NC_021163.1	Ca_kabuli_chr04	25965993	GG	AA	1940288405
SNP_P1_65285_25966048	NC_021163.1	Ca_kabuli_chr04	25966048	CC	TT	1940288406
SNP_P1_65286_25966064	NC_021163.1	Ca_kabuli_chr04	25966064	CC	GG	1940288407
SNP_P1_65288_25966076	NC_021163.1	Ca_kabuli_chr04	25966076	GG	AA	1940288408
SNP_P1_65289_25966085	NC_021163.1	Ca_kabuli_chr04	25966085	TT	AA	1940288410
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SNP_P1_65292_25966283	NC_021163.1	Ca_kabuli_chr04	25966283	TT	GG	1940288413
SNP_P1_65293_25966307	NC_021163.1	Ca_kabuli_chr04	25966307	GG	AA	1940288414
SNP_P1_65294_25966309	NC_021163.1	Ca_kabuli_chr04	25966309	AA	GG	1940288416
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SNP_P1_65297_25966366	NC_021163.1	Ca_kabuli_chr04	25966366	CC	TT	1940288419
SNP_P1_65298_25966379	NC_021163.1	Ca_kabuli_chr04	25966379	GG	AA	1940288420
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SNP_P1_65300_25966407	NC_021163.1	Ca_kabuli_chr04	25966407	AA	GG	1940288423
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SNP_P1_65305_25966548	NC_021163.1	Ca_kabuli_chr04	25966548	AA	GG	1940288429
SNP_P1_65306_25966590	NC_021163.1	Ca_kabuli_chr04	25966590	CC	TT	1940288430
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SNP_P1_65310_25966741	NC_021163.1	Ca_kabuli_chr04	25966741	CC	AA	1940288436
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SNP_P1_65312_25966782	NC_021163.1	Ca_kabuli_chr04	25966782	CC	AA	1940288438
SNP_P1_65313_25966860	NC_021163.1	Ca_kabuli_chr04	25966860	AA	TT	1940288440
SNP_P1_65314_25966887	NC_021163.1	Ca_kabuli_chr04	25966887	AA	TT	1940288441
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SNP_P1_65316_25966927	NC_021163.1	Ca_kabuli_chr04	25966927	AA	GG	1940288444
SNP_P1_65317_25966935	NC_021163.1	Ca_kabuli_chr04	25966935	CC	TT	1940288446
SNP_P1_65318_25966953	NC_021163.1	Ca_kabuli_chr04	25966953	GG	TT	1940288447
SNP_P1_65319_25966999	NC_021163.1	Ca_kabuli_chr04	25966999	CC	AA	1940288448
SNP_P1_65320_25967073	NC_021163.1	Ca_kabuli_chr04	25967073	GG	TT	1940288450
SNP_P1_65321_25967125	NC_021163.1	Ca_kabuli_chr04	25967125	GG	AA	1940288451
SNP_P1_65322_25967142	NC_021163.1	Ca_kabuli_chr04	25967142	AA	CC	1940288452
SNP_P1_65323_25967225	NC_021163.1	Ca_kabuli_chr04	25967225	GG	AA	1940288454

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65326_25967788	NC_021163.1	Ca_kabuli_chr04	25967788	AA	GG	1940288458
SNP_P1_65327_25967795	NC_021163.1	Ca_kabuli_chr04	25967795	AA	CC	1940288459
SNP_P1_65328_25967884	NC_021163.1	Ca_kabuli_chr04	25967884	CC	TT	1940288460
SNP_P1_65329_25967968	NC_021163.1	Ca_kabuli_chr04	25967968	CC	TT	1940288462
SNP_P1_65331_25968001	NC_021163.1	Ca_kabuli_chr04	25968001	CC	GG	1940288463
SNP_P1_65332_25968019	NC_021163.1	Ca_kabuli_chr04	25968019	CC	AA	1940288464
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SNP_P1_65334_25968028	NC_021163.1	Ca_kabuli_chr04	25968028	CC	TT	1940288467
SNP_P1_65335_25968065	NC_021163.1	Ca_kabuli_chr04	25968065	TT	GG	1940288468
SNP_P1_65336_25968240	NC_021163.1	Ca_kabuli_chr04	25968240	TT	CC	1940288470
SNP_P1_65337_25968297	NC_021163.1	Ca_kabuli_chr04	25968297	TT	AA	1940288471
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SNP_P1_65342_25968501	NC_021163.1	Ca_kabuli_chr04	25968501	TT	GG	1940288478
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SNP_P1_65358_25969625	NC_021163.1	Ca_kabuli_chr04	25969625	CC	TT	1940288500
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SNP_P1_65362_25969792	NC_021163.1	Ca_kabuli_chr04	25969792	AA	GG	1940288506
SNP_P1_65363_25969813	NC_021163.1	Ca_kabuli_chr04	25969813	AA	GG	1940288508
SNP_P1_65364_25969849	NC_021163.1	Ca_kabuli_chr04	25969849	TT	CC	1940288509
SNP_P1_65365_25969872	NC_021163.1	Ca_kabuli_chr04	25969872	AA	GG	1940288511
SNP_P1_65366_25969892	NC_021163.1	Ca_kabuli_chr04	25969892	AA	GG	1940288512
SNP_P1_65367_25970135	NC_021163.1	Ca_kabuli_chr04	25970135	AA	GG	1940288514
SNP_P1_65369_25970181	NC_021163.1	Ca_kabuli_chr04	25970181	CC	TT	1940288515

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65373_25970396	NC_021163.1	Ca_kabuli_chr04	25970396	CC	TT	1940288521
SNP_P1_65374_25970399	NC_021163.1	Ca_kabuli_chr04	25970399	GG	AA	1940288523
SNP_P1_65375_25970426	NC_021163.1	Ca_kabuli_chr04	25970426	CC	AA	1940288524
SNP_P1_65376_25970467	NC_021163.1	Ca_kabuli_chr04	25970467	AA	CC	1940288525
SNP_P1_65377_25970527	NC_021163.1	Ca_kabuli_chr04	25970527	CC	AA	1940288527
SNP_P1_65378_25970562	NC_021163.1	Ca_kabuli_chr04	25970562	TT	GG	1940288528
SNP_P1_65379_25970563	NC_021163.1	Ca_kabuli_chr04	25970563	CC	AA	1940288530
SNP_P1_65380_25970583	NC_021163.1	Ca_kabuli_chr04	25970583	TT	AA	1940288531
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SNP_P1_65382_25970609	NC_021163.1	Ca_kabuli_chr04	25970609	AA	CC	1940288534
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SNP_P1_65387_25970766	NC_021163.1	Ca_kabuli_chr04	25970766	AA	GG	1940288541
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SNP_P1_65400_25971221	NC_021163.1	Ca_kabuli_chr04	25971221	TT	CC	1940288558
SNP_P1_65402_25971402	NC_021163.1	Ca_kabuli_chr04	25971402	TT	GG	1940288560
SNP_P1_65403_25971626	NC_021163.1	Ca_kabuli_chr04	25971626	CC	TT	1940288561
SNP_P1_65404_25971651	NC_021163.1	Ca_kabuli_chr04	25971651	TT	CC	1940288563
SNP_P1_65406_25971711	NC_021163.1	Ca_kabuli_chr04	25971711	TT	GG	1940288565
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SNP_P1_65410_25971933	NC_021163.1	Ca_kabuli_chr04	25971933	TT	CC	1940288570
SNP_P1_65411_25971939	NC_021163.1	Ca_kabuli_chr04	25971939	TT	AA	1940288571
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SNP_P1_65413_25972073	NC_021163.1	Ca_kabuli_chr04	25972073	GG	TT	1940288573
SNP_P1_65414_25972099	NC_021163.1	Ca_kabuli_chr04	25972099	TT	AA	1940288574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65417_25972204	NC_021163.1	Ca_kabuli_chr04	25972204	CC	AA	1940288578
SNP_P1_65418_25972211	NC_021163.1	Ca_kabuli_chr04	25972211	GG	TT	1940288579
SNP_P1_65419_25972223	NC_021163.1	Ca_kabuli_chr04	25972223	AA	CC	1940288580
SNP_P1_65420_25972505	NC_021163.1	Ca_kabuli_chr04	25972505	CC	AA	1940288582
SNP_P1_65421_25972524	NC_021163.1	Ca_kabuli_chr04	25972524	AA	GG	1940288583
SNP_P1_65422_25972577	NC_021163.1	Ca_kabuli_chr04	25972577	GG	AA	1940288584
SNP_P1_65423_25972586	NC_021163.1	Ca_kabuli_chr04	25972586	TT	CC	1940288586
SNP_P1_65424_25972667	NC_021163.1	Ca_kabuli_chr04	25972667	GG	AA	1940288588
SNP_P1_65425_25972668	NC_021163.1	Ca_kabuli_chr04	25972668	GG	AA	1940288589
SNP_P1_65426_25972702	NC_021163.1	Ca_kabuli_chr04	25972702	AA	GG	1940288591
SNP_P1_65427_25972745	NC_021163.1	Ca_kabuli_chr04	25972745	AA	GG	1940288592
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SNP_P1_65430_25972973	NC_021163.1	Ca_kabuli_chr04	25972973	TT	GG	1940288596
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SNP_P1_65437_25973283	NC_021163.1	Ca_kabuli_chr04	25973283	AA	GG	1940288606
SNP_P1_65438_25973303	NC_021163.1	Ca_kabuli_chr04	25973303	TT	CC	1940288608
SNP_P1_65439_25973395	NC_021163.1	Ca_kabuli_chr04	25973395	CC	TT	1940288609
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SNP_P1_65454_25974143	NC_021163.1	Ca_kabuli_chr04	25974143	AA	GG	1940288631
SNP_P1_65455_25974174	NC_021163.1	Ca_kabuli_chr04	25974174	GG	AA	1940288633
SNP_P1_65456_25974243	NC_021163.1	Ca_kabuli_chr04	25974243	TT	CC	1940288634

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65460_25974533	NC_021163.1	Ca_kabuli_chr04	25974533	AA	GG	1940288640
SNP_P1_65461_25974540	NC_021163.1	Ca_kabuli_chr04	25974540	AA	GG	1940288642
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SNP_P1_65463_25974728	NC_021163.1	Ca_kabuli_chr04	25974728	CC	TT	1940288645
SNP_P1_65464_25974771	NC_021163.1	Ca_kabuli_chr04	25974771	GG	AA	1940288646
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SNP_P1_65466_25974803	NC_021163.1	Ca_kabuli_chr04	25974803	AA	GG	1940288648
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SNP_P1_65470_25974945	NC_021163.1	Ca_kabuli_chr04	25974945	CC	GG	1940288652
SNP_P1_65471_25974960	NC_021163.1	Ca_kabuli_chr04	25974960	GG	TT	1940288653
SNP_P1_65472_25975083	NC_021163.1	Ca_kabuli_chr04	25975083	AA	GG	1940288655
SNP_P1_65473_25975092	NC_021163.1	Ca_kabuli_chr04	25975092	TT	CC	1940288657
SNP_P1_65475_25975190	NC_021163.1	Ca_kabuli_chr04	25975190	GG	AA	1940288658
SNP_P1_65476_25975245	NC_021163.1	Ca_kabuli_chr04	25975245	CC	TT	1940288660
SNP_P1_65477_25975280	NC_021163.1	Ca_kabuli_chr04	25975280	CC	TT	1940288661
SNP_P1_65478_25975282	NC_021163.1	Ca_kabuli_chr04	25975282	GG	AA	1940288662
SNP_P1_65479_25975305	NC_021163.1	Ca_kabuli_chr04	25975305	AA	GG	1940288664
SNP_P1_65480_25975319	NC_021163.1	Ca_kabuli_chr04	25975319	CC	TT	1940288665
SNP_P1_65482_25975391	NC_021163.1	Ca_kabuli_chr04	25975391	AA	CC	1940288667
SNP_P1_65483_25975479	NC_021163.1	Ca_kabuli_chr04	25975479	AA	GG	1940288669
SNP_P1_65484_25975484	NC_021163.1	Ca_kabuli_chr04	25975484	CC	TT	1940288670
SNP_P1_65485_25975487	NC_021163.1	Ca_kabuli_chr04	25975487	GG	TT	1940288672
SNP_P1_65486_25975550	NC_021163.1	Ca_kabuli_chr04	25975550	GG	TT	1940288673
SNP_P1_65487_25975582	NC_021163.1	Ca_kabuli_chr04	25975582	CC	TT	1940288675
SNP_P1_65488_25975601	NC_021163.1	Ca_kabuli_chr04	25975601	TT	CC	1940288676
SNP_P1_65489_25975611	NC_021163.1	Ca_kabuli_chr04	25975611	GG	CC	1940288678
SNP_P1_65490_25975653	NC_021163.1	Ca_kabuli_chr04	25975653	GG	AA	1940288680
SNP_P1_65491_25975661	NC_021163.1	Ca_kabuli_chr04	25975661	AA	GG	1940288681
SNP_P1_65492_25975768	NC_021163.1	Ca_kabuli_chr04	25975768	TT	CC	1940288683
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SNP_P1_65494_25976561	NC_021163.1	Ca_kabuli_chr04	25976561	CC	AA	1940288686
SNP_P1_65495_25976666	NC_021163.1	Ca_kabuli_chr04	25976666	CC	AA	1940288688
SNP_P1_65496_25976704	NC_021163.1	Ca_kabuli_chr04	25976704	CC	TT	1940288690
SNP_P1_65497_25976744	NC_021163.1	Ca_kabuli_chr04	25976744	AA	GG	1940288691
SNP_P1_65498_25976755	NC_021163.1	Ca_kabuli_chr04	25976755	TT	AA	1940288693
SNP_P1_65499_25976767	NC_021163.1	Ca_kabuli_chr04	25976767	GG	AA	1940288694
SNP_P1_65500_25976769	NC_021163.1	Ca_kabuli_chr04	25976769	GG	TT	1940288696
SNP_P1_65501_25976784	NC_021163.1	Ca_kabuli_chr04	25976784	CC	TT	1940288697

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65504_25976980	NC_021163.1	Ca_kabuli_chr04	25976980	TT	CC	1940288702
SNP_P1_65505_25977012	NC_021163.1	Ca_kabuli_chr04	25977012	AA	GG	1940288703
SNP_P1_65506_25977122	NC_021163.1	Ca_kabuli_chr04	25977122	TT	AA	1940288705
SNP_P1_65507_25977137	NC_021163.1	Ca_kabuli_chr04	25977137	GG	AA	1940288707
SNP_P1_65508_25977322	NC_021163.1	Ca_kabuli_chr04	25977322	TT	GG	1940288708
SNP_P1_65509_25977345	NC_021163.1	Ca_kabuli_chr04	25977345	TT	CC	1940288710
SNP_P1_65510_25977508	NC_021163.1	Ca_kabuli_chr04	25977508	TT	CC	1940288711
SNP_P1_65511_25977545	NC_021163.1	Ca_kabuli_chr04	25977545	GG	TT	1940288713
SNP_P1_65512_25977758	NC_021163.1	Ca_kabuli_chr04	25977758	TT	GG	1940288714
SNP_P1_65513_25977915	NC_021163.1	Ca_kabuli_chr04	25977915	GG	CC	1940288716
SNP_P1_65514_25977932	NC_021163.1	Ca_kabuli_chr04	25977932	AA	TT	1940288717
SNP_P1_65515_25977950	NC_021163.1	Ca_kabuli_chr04	25977950	CC	GG	1940288718
SNP_P1_65516_25977983	NC_021163.1	Ca_kabuli_chr04	25977983	CC	TT	1940288720
SNP_P1_65517_25978005	NC_021163.1	Ca_kabuli_chr04	25978005	GG	AA	1940288721
SNP_P1_65518_25978037	NC_021163.1	Ca_kabuli_chr04	25978037	CC	GG	1940288723
SNP_P1_65519_25978101	NC_021163.1	Ca_kabuli_chr04	25978101	GG	TT	1940288724
SNP_P1_65520_25978130	NC_021163.1	Ca_kabuli_chr04	25978130	GG	TT	1940288726
SNP_P1_65521_25978378	NC_021163.1	Ca_kabuli_chr04	25978378	TT	GG	1940288727
SNP_P1_65522_25978384	NC_021163.1	Ca_kabuli_chr04	25978384	CC	TT	1940288729
SNP_P1_65524_25978520	NC_021163.1	Ca_kabuli_chr04	25978520	TT	CC	1940288731
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SNP_P1_65526_25978919	NC_021163.1	Ca_kabuli_chr04	25978919	AA	CC	1940288734
SNP_P1_65527_25978935	NC_021163.1	Ca_kabuli_chr04	25978935	GG	AA	1940288735
SNP_P1_65528_25979093	NC_021163.1	Ca_kabuli_chr04	25979093	AA	TT	1940288737
SNP_P1_65529_25979184	NC_021163.1	Ca_kabuli_chr04	25979184	CC	AA	1940288738
SNP_P1_65530_25979377	NC_021163.1	Ca_kabuli_chr04	25979377	GG	CC	1940288740
SNP_P1_65531_25979606	NC_021163.1	Ca_kabuli_chr04	25979606	TT	AA	1940288741
SNP_P1_65532_25979657	NC_021163.1	Ca_kabuli_chr04	25979657	AA	GG	1940288743
SNP_P1_65534_25979821	NC_021163.1	Ca_kabuli_chr04	25979821	AA	CC	1940288744
SNP_P1_65535_25979949	NC_021163.1	Ca_kabuli_chr04	25979949	CC	TT	1940288746
SNP_P1_65536_25980196	NC_021163.1	Ca_kabuli_chr04	25980196	AA	TT	1940288748
SNP_P1_65537_25980225	NC_021163.1	Ca_kabuli_chr04	25980225	AA	GG	1940288750
SNP_P1_65538_25980511	NC_021163.1	Ca_kabuli_chr04	25980511	GG	TT	1940288751
SNP_P1_65539_25980630	NC_021163.1	Ca_kabuli_chr04	25980630	CC	AA	1940288753
SNP_P1_65540_25980776	NC_021163.1	Ca_kabuli_chr04	25980776	AA	TT	1940288755
SNP_P1_65541_25980826	NC_021163.1	Ca_kabuli_chr04	25980826	AA	GG	1940288756
SNP_P1_65542_25980870	NC_021163.1	Ca_kabuli_chr04	25980870	TT	CC	1940288758
SNP_P1_65543_25980904	NC_021163.1	Ca_kabuli_chr04	25980904	AA	CC	1940288759
SNP_P1_65544_25980995	NC_021163.1	Ca_kabuli_chr04	25980995	GG	AA	1940288761
SNP_P1_65545_25981042	NC_021163.1	Ca_kabuli_chr04	25981042	GG	TT	1940288762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65550_25981533	NC_021163.1	Ca_kabuli_chr04	25981533	GG	AA	1940288767
SNP_P1_65551_25981534	NC_021163.1	Ca_kabuli_chr04	25981534	GG	AA	1940288768
SNP_P1_65552_25981541	NC_021163.1	Ca_kabuli_chr04	25981541	AA	CC	1940288770
SNP_P1_65553_25981653	NC_021163.1	Ca_kabuli_chr04	25981653	AA	CC	1940288772
SNP_P1_65554_25981679	NC_021163.1	Ca_kabuli_chr04	25981679	GG	AA	1940288773
SNP_P1_65555_25981697	NC_021163.1	Ca_kabuli_chr04	25981697	TT	CC	1940288775
SNP_P1_65556_25981715	NC_021163.1	Ca_kabuli_chr04	25981715	CC	TT	1940288776
SNP_P1_65557_25981738	NC_021163.1	Ca_kabuli_chr04	25981738	AA	GG	1940288777
SNP_P1_65558_25981781	NC_021163.1	Ca_kabuli_chr04	25981781	TT	CC	1940288779
SNP_P1_65559_25981829	NC_021163.1	Ca_kabuli_chr04	25981829	GG	TT	1940288780
SNP_P1_65560_25981852	NC_021163.1	Ca_kabuli_chr04	25981852	AA	TT	1940288782
SNP_P1_65561_25981891	NC_021163.1	Ca_kabuli_chr04	25981891	GG	AA	1940288783
SNP_P1_65562_25981973	NC_021163.1	Ca_kabuli_chr04	25981973	AA	GG	1940288785
SNP_P1_65563_25981974	NC_021163.1	Ca_kabuli_chr04	25981974	TT	CC	1940288786
SNP_P1_65564_25982065	NC_021163.1	Ca_kabuli_chr04	25982065	GG	AA	1940288788
SNP_P1_65565_25982085	NC_021163.1	Ca_kabuli_chr04	25982085	CC	GG	1940288789
SNP_P1_65566_25982121	NC_021163.1	Ca_kabuli_chr04	25982121	AA	TT	1940288791
SNP_P1_65567_25982137	NC_021163.1	Ca_kabuli_chr04	25982137	TT	CC	1940288792
SNP_P1_65568_25982149	NC_021163.1	Ca_kabuli_chr04	25982149	CC	TT	1940288794
SNP_P1_65569_25982188	NC_021163.1	Ca_kabuli_chr04	25982188	CC	TT	1940288795
SNP_P1_65570_25982226	NC_021163.1	Ca_kabuli_chr04	25982226	CC	AA	1940288797
SNP_P1_65571_25982275	NC_021163.1	Ca_kabuli_chr04	25982275	GG	AA	1940288798
SNP_P1_65572_25982330	NC_021163.1	Ca_kabuli_chr04	25982330	AA	GG	1940288800
SNP_P1_65573_25982560	NC_021163.1	Ca_kabuli_chr04	25982560	TT	AA	1940288801
SNP_P1_65574_25982573	NC_021163.1	Ca_kabuli_chr04	25982573	CC	TT	1940288803
SNP_P1_65575_25982587	NC_021163.1	Ca_kabuli_chr04	25982587	GG	TT	1940288804
SNP_P1_65576_25982670	NC_021163.1	Ca_kabuli_chr04	25982670	AA	GG	1940288806
SNP_P1_65577_25982678	NC_021163.1	Ca_kabuli_chr04	25982678	CC	AA	1940288807
SNP_P1_65578_25982679	NC_021163.1	Ca_kabuli_chr04	25982679	AA	TT	1940288809
SNP_P1_65579_25982697	NC_021163.1	Ca_kabuli_chr04	25982697	AA	GG	1940288810
SNP_P1_65581_25982763	NC_021163.1	Ca_kabuli_chr04	25982763	TT	CC	1940288811
SNP_P1_65582_25982767	NC_021163.1	Ca_kabuli_chr04	25982767	TT	AA	1940288813
SNP_P1_65583_25982774	NC_021163.1	Ca_kabuli_chr04	25982774	AA	TT	1940288815
SNP_P1_65584_25982797	NC_021163.1	Ca_kabuli_chr04	25982797	CC	GG	1940288816
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SNP_P1_65586_25982960	NC_021163.1	Ca_kabuli_chr04	25982960	CC	TT	1940288819
SNP_P1_65587_25982968	NC_021163.1	Ca_kabuli_chr04	25982968	AA	GG	1940288821
SNP_P1_65588_25983036	NC_021163.1	Ca_kabuli_chr04	25983036	GG	AA	1940288822
SNP_P1_65589_25983040	NC_021163.1	Ca_kabuli_chr04	25983040	AA	GG	1940288824
SNP_P1_65590_25983045	NC_021163.1	Ca_kabuli_chr04	25983045	AA	CC	1940288825

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65592_25983119	NC_021163.1	Ca_kabuli_chr04	25983119	CC	AA	1940288828
SNP_P1_65593_25983139	NC_021163.1	Ca_kabuli_chr04	25983139	CC	TT	1940288830
SNP_P1_65594_25983206	NC_021163.1	Ca_kabuli_chr04	25983206	AA	TT	1940288831
SNP_P1_65595_25983311	NC_021163.1	Ca_kabuli_chr04	25983311	AA	GG	1940288832
SNP_P1_65596_25983366	NC_021163.1	Ca_kabuli_chr04	25983366	TT	CC	1940288834
SNP_P1_65597_25983525	NC_021163.1	Ca_kabuli_chr04	25983525	TT	GG	1940288835
SNP_P1_65598_25983541	NC_021163.1	Ca_kabuli_chr04	25983541	TT	GG	1940288837
SNP_P1_65599_25983567	NC_021163.1	Ca_kabuli_chr04	25983567	TT	GG	1940288839
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SNP_P1_65601_25983691	NC_021163.1	Ca_kabuli_chr04	25983691	AA	GG	1940288842
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SNP_P1_65603_25983787	NC_021163.1	Ca_kabuli_chr04	25983787	TT	AA	1940288844
SNP_P1_65604_25983788	NC_021163.1	Ca_kabuli_chr04	25983788	TT	AA	1940288846
SNP_P1_65606_25983825	NC_021163.1	Ca_kabuli_chr04	25983825	CC	AA	1940288847
SNP_P1_65607_25983886	NC_021163.1	Ca_kabuli_chr04	25983886	AA	CC	1940288848
SNP_P1_65608_25983911	NC_021163.1	Ca_kabuli_chr04	25983911	GG	AA	1940288850
SNP_P1_65609_25983972	NC_021163.1	Ca_kabuli_chr04	25983972	CC	TT	1940288851
SNP_P1_65610_25983975	NC_021163.1	Ca_kabuli_chr04	25983975	CC	GG	1940288852
SNP_P1_65611_25983978	NC_021163.1	Ca_kabuli_chr04	25983978	GG	TT	1940288854
SNP_P1_65612_25983994	NC_021163.1	Ca_kabuli_chr04	25983994	CC	AA	1940288855
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SNP_P1_65619_25984109	NC_021163.1	Ca_kabuli_chr04	25984109	AA	GG	1940288863
SNP_P1_65620_25984118	NC_021163.1	Ca_kabuli_chr04	25984118	GG	AA	1940288864
SNP_P1_65621_25984139	NC_021163.1	Ca_kabuli_chr04	25984139	CC	TT	1940288866
SNP_P1_65622_25984180	NC_021163.1	Ca_kabuli_chr04	25984180	TT	AA	1940288867
SNP_P1_65624_25984211	NC_021163.1	Ca_kabuli_chr04	25984211	TT	CC	1940288868
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SNP_P1_65626_25984330	NC_021163.1	Ca_kabuli_chr04	25984330	GG	AA	1940288871
SNP_P1_65627_25984368	NC_021163.1	Ca_kabuli_chr04	25984368	GG	AA	1940288872
SNP_P1_65628_25984403	NC_021163.1	Ca_kabuli_chr04	25984403	CC	TT	1940288873
SNP_P1_65629_25984421	NC_021163.1	Ca_kabuli_chr04	25984421	AA	TT	1940288875
SNP_P1_65631_25984569	NC_021163.1	Ca_kabuli_chr04	25984569	TT	CC	1940288876
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SNP_P1_65633_25984647	NC_021163.1	Ca_kabuli_chr04	25984647	AA	GG	1940288879
SNP_P1_65634_25984679	NC_021163.1	Ca_kabuli_chr04	25984679	TT	GG	1940288880
SNP_P1_65635_25984680	NC_021163.1	Ca_kabuli_chr04	25984680	CC	TT	1940288881
SNP_P1_65636_25984785	NC_021163.1	Ca_kabuli_chr04	25984785	AA	CC	1940288883

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65641_25984985	NC_021163.1	Ca_kabuli_chr04	25984985	TT	CC	1940288889
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SNP_P1_65643_25985095	NC_021163.1	Ca_kabuli_chr04	25985095	CC	TT	1940288892
SNP_P1_65644_25985099	NC_021163.1	Ca_kabuli_chr04	25985099	TT	GG	1940288893
SNP_P1_65645_25985120	NC_021163.1	Ca_kabuli_chr04	25985120	CC	AA	1940288894
SNP_P1_65646_25985217	NC_021163.1	Ca_kabuli_chr04	25985217	GG	AA	1940288896
SNP_P1_65647_25985231	NC_021163.1	Ca_kabuli_chr04	25985231	TT	CC	1940288897
SNP_P1_65648_25985243	NC_021163.1	Ca_kabuli_chr04	25985243	TT	CC	1940288898
SNP_P1_65650_25985801	NC_021163.1	Ca_kabuli_chr04	25985801	TT	CC	1940288899
SNP_P1_65651_25985819	NC_021163.1	Ca_kabuli_chr04	25985819	AA	CC	1940288901
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SNP_P1_65654_25985982	NC_021163.1	Ca_kabuli_chr04	25985982	GG	AA	1940288905
SNP_P1_65655_25986031	NC_021163.1	Ca_kabuli_chr04	25986031	TT	CC	1940288906
SNP_P1_65656_25986063	NC_021163.1	Ca_kabuli_chr04	25986063	AA	CC	1940288907
SNP_P1_65657_25986093	NC_021163.1	Ca_kabuli_chr04	25986093	TT	AA	1940288909
SNP_P1_65658_25986124	NC_021163.1	Ca_kabuli_chr04	25986124	CC	AA	1940288911
SNP_P1_65659_25986176	NC_021163.1	Ca_kabuli_chr04	25986176	TT	CC	1940288912
SNP_P1_65660_25986382	NC_021163.1	Ca_kabuli_chr04	25986382	CC	TT	1940288914
SNP_P1_65661_25986623	NC_021163.1	Ca_kabuli_chr04	25986623	GG	AA	1940288916
SNP_P1_65662_25986632	NC_021163.1	Ca_kabuli_chr04	25986632	GG	TT	1940288917
SNP_P1_65663_25986658	NC_021163.1	Ca_kabuli_chr04	25986658	TT	GG	1940288919
SNP_P1_65664_25986858	NC_021163.1	Ca_kabuli_chr04	25986858	AA	GG	1940288921
SNP_P1_65665_25986900	NC_021163.1	Ca_kabuli_chr04	25986900	TT	GG	1940288922
SNP_P1_65666_25986904	NC_021163.1	Ca_kabuli_chr04	25986904	GG	CC	1940288924
SNP_P1_65668_25986972	NC_021163.1	Ca_kabuli_chr04	25986972	CC	TT	1940288926
SNP_P1_65669_25987071	NC_021163.1	Ca_kabuli_chr04	25987071	CC	TT	1940288927
SNP_P1_65670_25987110	NC_021163.1	Ca_kabuli_chr04	25987110	CC	AA	1940288929
SNP_P1_65671_25987121	NC_021163.1	Ca_kabuli_chr04	25987121	GG	AA	1940288930
SNP_P1_65672_25987129	NC_021163.1	Ca_kabuli_chr04	25987129	AA	GG	1940288932
SNP_P1_65673_25987151	NC_021163.1	Ca_kabuli_chr04	25987151	TT	CC	1940288934
SNP_P1_65674_25987159	NC_021163.1	Ca_kabuli_chr04	25987159	AA	TT	1940288935
SNP_P1_65675_25987187	NC_021163.1	Ca_kabuli_chr04	25987187	TT	AA	1940288937
SNP_P1_65677_25987336	NC_021163.1	Ca_kabuli_chr04	25987336	CC	TT	1940288939
SNP_P1_65678_25987341	NC_021163.1	Ca_kabuli_chr04	25987341	GG	AA	1940288940
SNP_P1_65679_25987513	NC_021163.1	Ca_kabuli_chr04	25987513	TT	GG	1940288942
SNP_P1_65680_25987529	NC_021163.1	Ca_kabuli_chr04	25987529	GG	AA	1940288943
SNP_P1_65681_25987571	NC_021163.1	Ca_kabuli_chr04	25987571	GG	AA	1940288945

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65684_25987634	NC_021163.1	Ca_kabuli_chr04	25987634	TT	CC	1940288948
SNP_P1_65685_25987706	NC_021163.1	Ca_kabuli_chr04	25987706	AA	CC	1940288950
SNP_P1_65686_25987773	NC_021163.1	Ca_kabuli_chr04	25987773	GG	TT	1940288952
SNP_P1_65687_25987914	NC_021163.1	Ca_kabuli_chr04	25987914	CC	TT	1940288953
SNP_P1_65688_25987961	NC_021163.1	Ca_kabuli_chr04	25987961	TT	CC	1940288955
SNP_P1_65689_25988031	NC_021163.1	Ca_kabuli_chr04	25988031	GG	CC	1940288956
SNP_P1_65690_25988033	NC_021163.1	Ca_kabuli_chr04	25988033	TT	AA	1940288958
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SNP_P1_65692_25988554	NC_021163.1	Ca_kabuli_chr04	25988554	CC	GG	1940288960
SNP_P1_65693_25988594	NC_021163.1	Ca_kabuli_chr04	25988594	TT	CC	1940288961
SNP_P1_65694_25988615	NC_021163.1	Ca_kabuli_chr04	25988615	TT	CC	1940288963
SNP_P1_65695_25988858	NC_021163.1	Ca_kabuli_chr04	25988858	GG	AA	1940288965
SNP_P1_65696_25988872	NC_021163.1	Ca_kabuli_chr04	25988872	TT	GG	1940288966
SNP_P1_65697_25988901	NC_021163.1	Ca_kabuli_chr04	25988901	CC	GG	1940288968
SNP_P1_65698_25988944	NC_021163.1	Ca_kabuli_chr04	25988944	TT	GG	1940288970
SNP_P1_65700_25989057	NC_021163.1	Ca_kabuli_chr04	25989057	CC	TT	1940288971
SNP_P1_65701_25989121	NC_021163.1	Ca_kabuli_chr04	25989121	TT	CC	1940288973
SNP_P1_65702_25989226	NC_021163.1	Ca_kabuli_chr04	25989226	CC	TT	1940288974
SNP_P1_65703_25989271	NC_021163.1	Ca_kabuli_chr04	25989271	CC	TT	1940288976
SNP_P1_65706_25989354	NC_021163.1	Ca_kabuli_chr04	25989354	GG	TT	1940288978
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SNP_P1_65708_25989518	NC_021163.1	Ca_kabuli_chr04	25989518	AA	CC	1940288981
SNP_P1_65709_25989602	NC_021163.1	Ca_kabuli_chr04	25989602	CC	TT	1940288983
SNP_P1_65710_25989657	NC_021163.1	Ca_kabuli_chr04	25989657	AA	GG	1940288985
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SNP_P1_65712_25989731	NC_021163.1	Ca_kabuli_chr04	25989731	TT	GG	1940288988
SNP_P1_65713_25989797	NC_021163.1	Ca_kabuli_chr04	25989797	AA	CC	1940288989
SNP_P1_65714_25989814	NC_021163.1	Ca_kabuli_chr04	25989814	TT	CC	1940288990
SNP_P1_65715_25989998	NC_021163.1	Ca_kabuli_chr04	25989998	GG	AA	1940288991
SNP_P1_65716_25990052	NC_021163.1	Ca_kabuli_chr04	25990052	CC	AA	1940288993
SNP_P1_65717_25990055	NC_021163.1	Ca_kabuli_chr04	25990055	TT	CC	1940288994
SNP_P1_65718_25990107	NC_021163.1	Ca_kabuli_chr04	25990107	AA	GG	1940288996
SNP_P1_65719_25990110	NC_021163.1	Ca_kabuli_chr04	25990110	AA	TT	1940288998
SNP_P1_65720_25990140	NC_021163.1	Ca_kabuli_chr04	25990140	AA	GG	1940288999
SNP_P1_65721_25990218	NC_021163.1	Ca_kabuli_chr04	25990218	TT	AA	1940289001
SNP_P1_65722_25990259	NC_021163.1	Ca_kabuli_chr04	25990259	AA	GG	1940289003
SNP_P1_65723_25990277	NC_021163.1	Ca_kabuli_chr04	25990277	TT	GG	1940289004
SNP_P1_65724_25990343	NC_021163.1	Ca_kabuli_chr04	25990343	CC	TT	1940289006
SNP_P1_65725_25990353	NC_021163.1	Ca_kabuli_chr04	25990353	TT	CC	1940289007
SNP_P1_65726_25990401	NC_021163.1	Ca_kabuli_chr04	25990401	AA	TT	1940289009
SNP_P1_65727_25990428	NC_021163.1	Ca_kabuli_chr04	25990428	AA	GG	1940289011

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65729_25990450	NC_021163.1	Ca_kabuli_chr04	25990450	GG	AA	1940289014
SNP_P1_65730_25990556	NC_021163.1	Ca_kabuli_chr04	25990556	CC	TT	1940289016
SNP_P1_65731_25990592	NC_021163.1	Ca_kabuli_chr04	25990592	AA	GG	1940289018
SNP_P1_65732_25990670	NC_021163.1	Ca_kabuli_chr04	25990670	CC	TT	1940289019
SNP_P1_65733_25990720	NC_021163.1	Ca_kabuli_chr04	25990720	AA	GG	1940289021
SNP_P1_65734_25990816	NC_021163.1	Ca_kabuli_chr04	25990816	CC	GG	1940289023
SNP_P1_65735_25990827	NC_021163.1	Ca_kabuli_chr04	25990827	GG	CC	1940289025
SNP_P1_65736_25990857	NC_021163.1	Ca_kabuli_chr04	25990857	TT	CC	1940289026
SNP_P1_65738_25990929	NC_021163.1	Ca_kabuli_chr04	25990929	CC	TT	1940289027
SNP_P1_65739_25990939	NC_021163.1	Ca_kabuli_chr04	25990939	CC	TT	1940289029
SNP_P1_65740_25990954	NC_021163.1	Ca_kabuli_chr04	25990954	GG	AA	1940289030
SNP_P1_65741_25991002	NC_021163.1	Ca_kabuli_chr04	25991002	AA	CC	1940289032
SNP_P1_65742_25991022	NC_021163.1	Ca_kabuli_chr04	25991022	CC	AA	1940289034
SNP_P1_65743_25991026	NC_021163.1	Ca_kabuli_chr04	25991026	AA	GG	1940289035
SNP_P1_65744_25991032	NC_021163.1	Ca_kabuli_chr04	25991032	CC	TT	1940289036
SNP_P1_65745_25991056	NC_021163.1	Ca_kabuli_chr04	25991056	GG	TT	1940289038
SNP_P1_65746_25991368	NC_021163.1	Ca_kabuli_chr04	25991368	AA	GG	1940289040
SNP_P1_65747_25992593	NC_021163.1	Ca_kabuli_chr04	25992593	AA	GG	1940289041
SNP_P1_65748_25993224	NC_021163.1	Ca_kabuli_chr04	25993224	TT	AA	1940289043
SNP_P1_65749_25993284	NC_021163.1	Ca_kabuli_chr04	25993284	CC	TT	1940289044
SNP_P1_65750_25993293	NC_021163.1	Ca_kabuli_chr04	25993293	GG	AA	1940289046
SNP_P1_65751_25993918	NC_021163.1	Ca_kabuli_chr04	25993918	AA	GG	1940289048
SNP_P1_65752_25993936	NC_021163.1	Ca_kabuli_chr04	25993936	GG	AA	1940289050
SNP_P1_65753_25993960	NC_021163.1	Ca_kabuli_chr04	25993960	TT	CC	1940289051
SNP_P1_65754_25993967	NC_021163.1	Ca_kabuli_chr04	25993967	TT	AA	1940289053
SNP_P1_65755_25994152	NC_021163.1	Ca_kabuli_chr04	25994152	GG	TT	1940289055
SNP_P1_65756_25994157	NC_021163.1	Ca_kabuli_chr04	25994157	GG	AA	1940289057
SNP_P1_65757_25994177	NC_021163.1	Ca_kabuli_chr04	25994177	GG	AA	1940289059
SNP_P1_65758_25994294	NC_021163.1	Ca_kabuli_chr04	25994294	GG	AA	1940289061
SNP_P1_65759_25994341	NC_021163.1	Ca_kabuli_chr04	25994341	GG	AA	1940289063
SNP_P1_65761_25994468	NC_021163.1	Ca_kabuli_chr04	25994468	GG	CC	1940289064
SNP_P1_65763_25994645	NC_021163.1	Ca_kabuli_chr04	25994645	TT	CC	1940289066
SNP_P1_65764_25994652	NC_021163.1	Ca_kabuli_chr04	25994652	CC	TT	1940289067
SNP_P1_65765_25994686	NC_021163.1	Ca_kabuli_chr04	25994686	TT	CC	1940289068
SNP_P1_65767_25994789	NC_021163.1	Ca_kabuli_chr04	25994789	AA	GG	1940289069
SNP_P1_65768_25994977	NC_021163.1	Ca_kabuli_chr04	25994977	GG	CC	1940289071
SNP_P1_65769_25995054	NC_021163.1	Ca_kabuli_chr04	25995054	TT	AA	1940289072
SNP_P1_65771_25995103	NC_021163.1	Ca_kabuli_chr04	25995103	CC	TT	1940289073
SNP_P1_65772_25995147	NC_021163.1	Ca_kabuli_chr04	25995147	CC	AA	1940289074
SNP_P1_65773_25995170	NC_021163.1	Ca_kabuli_chr04	25995170	GG	AA	1940289075
SNP_P1_65774_25995223	NC_021163.1	Ca_kabuli_chr04	25995223	TT	AA	1940289076

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65776_25995350	NC_021163.1	Ca_kabuli_chr04	25995350	AA	GG	1940289079
SNP_P1_65777_25995354	NC_021163.1	Ca_kabuli_chr04	25995354	CC	TT	1940289080
SNP_P1_65778_25995406	NC_021163.1	Ca_kabuli_chr04	25995406	TT	CC	1940289083
SNP_P1_65779_25995425	NC_021163.1	Ca_kabuli_chr04	25995425	GG	TT	1940289085
SNP_P1_65780_25995457	NC_021163.1	Ca_kabuli_chr04	25995457	GG	AA	1940289087
SNP_P1_65781_25995499	NC_021163.1	Ca_kabuli_chr04	25995499	AA	GG	1940289088
SNP_P1_65782_25995536	NC_021163.1	Ca_kabuli_chr04	25995536	CC	TT	1940289089
SNP_P1_65783_25995563	NC_021163.1	Ca_kabuli_chr04	25995563	TT	CC	1940289090
SNP_P1_65784_25995581	NC_021163.1	Ca_kabuli_chr04	25995581	TT	CC	1940289091
SNP_P1_65785_25995694	NC_021163.1	Ca_kabuli_chr04	25995694	TT	GG	1940289092
SNP_P1_65786_25995698	NC_021163.1	Ca_kabuli_chr04	25995698	GG	AA	1940289093
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SNP_P1_65788_25995781	NC_021163.1	Ca_kabuli_chr04	25995781	CC	TT	1940289096
SNP_P1_65790_25995843	NC_021163.1	Ca_kabuli_chr04	25995843	TT	CC	1940289098
SNP_P1_65791_25995881	NC_021163.1	Ca_kabuli_chr04	25995881	TT	CC	1940289100
SNP_P1_65792_25995895	NC_021163.1	Ca_kabuli_chr04	25995895	AA	CC	1940289102
SNP_P1_65793_25995908	NC_021163.1	Ca_kabuli_chr04	25995908	AA	GG	1940289104
SNP_P1_65794_25995926	NC_021163.1	Ca_kabuli_chr04	25995926	CC	AA	1940289106
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SNP_P1_65797_25996071	NC_021163.1	Ca_kabuli_chr04	25996071	CC	GG	1940289110
SNP_P1_65798_25996164	NC_021163.1	Ca_kabuli_chr04	25996164	CC	TT	1940289112
SNP_P1_65799_25996180	NC_021163.1	Ca_kabuli_chr04	25996180	TT	AA	1940289113
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SNP_P1_65807_26000087	NC_021163.1	Ca_kabuli_chr04	26000087	GG	TT	1940289125
SNP_P1_65808_26001294	NC_021163.1	Ca_kabuli_chr04	26001294	TT	GG	1940289126
SNP_P1_65809_26001571	NC_021163.1	Ca_kabuli_chr04	26001571	CC	TT	1940289128
SNP_P1_65810_26001783	NC_021163.1	Ca_kabuli_chr04	26001783	TT	GG	1940289129
SNP_P1_65812_26002720	NC_021163.1	Ca_kabuli_chr04	26002720	AA	TT	1940289131
SNP_P1_65813_26002729	NC_021163.1	Ca_kabuli_chr04	26002729	AA	CC	1940289133
SNP_P1_65814_26003087	NC_021163.1	Ca_kabuli_chr04	26003087	GG	AA	1940289134
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SNP_P1_65819_26010094	NC_021163.1	Ca_kabuli_chr04	26010094	TT	CC	1940289141
SNP_P1_65821_26011879	NC_021163.1	Ca_kabuli_chr04	26011879	AA	GG	1940289142
SNP_P1_65822_26012026	NC_021163.1	Ca_kabuli_chr04	26012026	AA	GG	1940289144
SNP_P1_65823_26012059	NC_021163.1	Ca_kabuli_chr04	26012059	TT	CC	1940289145

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65828_26017550	NC_021163.1	Ca_kabuli_chr04	26017550	CC	TT	1940289151
SNP_P1_65829_26017985	NC_021163.1	Ca_kabuli_chr04	26017985	TT	CC	1940289153
SNP_P1_65831_26019082	NC_021163.1	Ca_kabuli_chr04	26019082	AA	GG	1940289155
SNP_P1_65833_26020022	NC_021163.1	Ca_kabuli_chr04	26020022	CC	TT	1940289156
SNP_P1_65834_26020613	NC_021163.1	Ca_kabuli_chr04	26020613	TT	CC	1940289158
SNP_P1_65835_26020795	NC_021163.1	Ca_kabuli_chr04	26020795	GG	CC	1940289159
SNP_P1_65837_26023493	NC_021163.1	Ca_kabuli_chr04	26023493	AA	TT	1940289161
SNP_P1_65838_26023515	NC_021163.1	Ca_kabuli_chr04	26023515	TT	GG	1940289163
SNP_P1_65839_26025635	NC_021163.1	Ca_kabuli_chr04	26025635	TT	AA	1940289165
SNP_P1_65840_26029070	NC_021163.1	Ca_kabuli_chr04	26029070	AA	TT	1940289167
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SNP_P1_65843_26030553	NC_021163.1	Ca_kabuli_chr04	26030553	GG	AA	1940289172
SNP_P1_65844_26030578	NC_021163.1	Ca_kabuli_chr04	26030578	AA	CC	1940289174
SNP_P1_65845_26030895	NC_021163.1	Ca_kabuli_chr04	26030895	CC	AA	1940289175
SNP_P1_65846_26030896	NC_021163.1	Ca_kabuli_chr04	26030896	AA	CC	1940289177
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SNP_P1_65850_26030974	NC_021163.1	Ca_kabuli_chr04	26030974	TT	AA	1940289182
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SNP_P1_65860_26056019	NC_021163.1	Ca_kabuli_chr04	26056019	GG	AA	1940289195
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SNP_P1_65863_26062710	NC_021163.1	Ca_kabuli_chr04	26062710	TT	GG	1940289198
SNP_P1_65864_26062977	NC_021163.1	Ca_kabuli_chr04	26062977	CC	TT	1940289200
SNP_P1_65867_26065875	NC_021163.1	Ca_kabuli_chr04	26065875	AA	GG	1940289202
SNP_P1_65868_26067565	NC_021163.1	Ca_kabuli_chr04	26067565	TT	AA	1940289204
SNP_P1_65869_26070404	NC_021163.1	Ca_kabuli_chr04	26070404	GG	AA	1940289205
SNP_P1_65870_26070405	NC_021163.1	Ca_kabuli_chr04	26070405	CC	TT	1940289207
SNP_P1_65871_26072129	NC_021163.1	Ca_kabuli_chr04	26072129	AA	CC	1940289209
SNP_P1_65873_26074463	NC_021163.1	Ca_kabuli_chr04	26074463	GG	TT	1940289210
SNP_P1_65875_26075663	NC_021163.1	Ca_kabuli_chr04	26075663	TT	GG	1940289212
SNP_P1_65877_26076223	NC_021163.1	Ca_kabuli_chr04	26076223	TT	CC	1940289213
SNP_P1_65878_26076795	NC_021163.1	Ca_kabuli_chr04	26076795	TT	CC	1940289214
SNP_P1_65880_26076896	NC_021163.1	Ca_kabuli_chr04	26076896	TT	CC	1940289216

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_65881_26077019	NC_021163.1	Ca_kabuli_chr04	26077019	TT	CC	1940289217
SNP_P1_65882_26077027	NC_021163.1	Ca_kabuli_chr04	26077027	GG	AA	1940289219
SNP_P1_65884_26082002	NC_021163.1	Ca_kabuli_chr04	26082002	TT	CC	1940289221
SNP_P1_65885_26082176	NC_021163.1	Ca_kabuli_chr04	26082176	CC	GG	1940289222
SNP_P1_65886_26082279	NC_021163.1	Ca_kabuli_chr04	26082279	GG	AA	1940289224
SNP_P1_65887_26086237	NC_021163.1	Ca_kabuli_chr04	26086237	AA	CC	1940289225
SNP_P1_65888_26086261	NC_021163.1	Ca_kabuli_chr04	26086261	TT	CC	1940289227
SNP_P1_65889_26087311	NC_021163.1	Ca_kabuli_chr04	26087311	GG	CC	1940289229
SNP_P1_65890_26089526	NC_021163.1	Ca_kabuli_chr04	26089526	AA	TT	1940289231
SNP_P1_65891_26089529	NC_021163.1	Ca_kabuli_chr04	26089529	GG	AA	1940289232
SNP_P1_65892_26090483	NC_021163.1	Ca_kabuli_chr04	26090483	AA	GG	1940289234
SNP_P1_65893_26091371	NC_021163.1	Ca_kabuli_chr04	26091371	CC	AA	1940289236
SNP_P1_65899_26099276	NC_021163.1	Ca_kabuli_chr04	26099276	CC	GG	1940289237
SNP_P1_65900_26099581	NC_021163.1	Ca_kabuli_chr04	26099581	CC	TT	1940289239
SNP_P1_65901_26100751	NC_021163.1	Ca_kabuli_chr04	26100751	AA	GG	1940289241
SNP_P1_65902_26102396	NC_021163.1	Ca_kabuli_chr04	26102396	TT	CC	1940289242
SNP_P1_65903_26103788	NC_021163.1	Ca_kabuli_chr04	26103788	CC	TT	1940289244
SNP_P1_65904_26104539	NC_021163.1	Ca_kabuli_chr04	26104539	GG	AA	1940289246
SNP_P1_65905_26105801	NC_021163.1	Ca_kabuli_chr04	26105801	AA	GG	1940289247
SNP_P1_65906_26107260	NC_021163.1	Ca_kabuli_chr04	26107260	CC	AA	1940289249
SNP_P1_65908_26108817	NC_021163.1	Ca_kabuli_chr04	26108817	TT	GG	1940289251
SNP_P1_65909_26109221	NC_021163.1	Ca_kabuli_chr04	26109221	CC	TT	1940289252
SNP_P1_65910_26110270	NC_021163.1	Ca_kabuli_chr04	26110270	TT	CC	1940289254
SNP_P1_65911_26110309	NC_021163.1	Ca_kabuli_chr04	26110309	CC	TT	1940289255
SNP_P1_65913_26111356	NC_021163.1	Ca_kabuli_chr04	26111356	GG	AA	1940289257
SNP_P1_65914_26113606	NC_021163.1	Ca_kabuli_chr04	26113606	CC	TT	1940289259
SNP_P1_65916_26114291	NC_021163.1	Ca_kabuli_chr04	26114291	AA	GG	1940289260
SNP_P1_65917_26116750	NC_021163.1	Ca_kabuli_chr04	26116750	AA	GG	1940289262
SNP_P1_65918_26116751	NC_021163.1	Ca_kabuli_chr04	26116751	CC	TT	1940289264
SNP_P1_65919_26116756	NC_021163.1	Ca_kabuli_chr04	26116756	GG	CC	1940289265
SNP_P1_65920_26117044	NC_021163.1	Ca_kabuli_chr04	26117044	TT	CC	1940289267
SNP_P1_65921_26117103	NC_021163.1	Ca_kabuli_chr04	26117103	GG	AA	1940289269
SNP_P1_65924_26120101	NC_021163.1	Ca_kabuli_chr04	26120101	GG	AA	1940289271
SNP_P1_65925_26120154	NC_021163.1	Ca_kabuli_chr04	26120154	TT	AA	1940289273
SNP_P1_65927_26124739	NC_021163.1	Ca_kabuli_chr04	26124739	AA	TT	1940289274
SNP_P1_65928_26126063	NC_021163.1	Ca_kabuli_chr04	26126063	TT	CC	1940289276
SNP_P1_65929_26128269	NC_021163.1	Ca_kabuli_chr04	26128269	CC	TT	1940289278
SNP_P1_65930_26129058	NC_021163.1	Ca_kabuli_chr04	26129058	CC	AA	1940289279
SNP_P1_65931_26129203	NC_021163.1	Ca_kabuli_chr04	26129203	TT	AA	1940289281
SNP_P1_65932_26129240	NC_021163.1	Ca_kabuli_chr04	26129240	GG	AA	1940289283
SNP_P1_65934_26138705	NC_021163.1	Ca_kabuli_chr04	26138705	CC	TT	1940289285
SNP_P1_65935_26140374	NC_021163.1	Ca_kabuli_chr04	26140374	CC	GG	1940289286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_65936_26140585	NC_021163.1	Ca_kabuli_chr04	26140585	GG	TT	1940289288
SNP_P1_65937_26140769	NC_021163.1	Ca_kabuli_chr04	26140769	CC	GG	1940289289
SNP_P1_65938_26142173	NC_021163.1	Ca_kabuli_chr04	26142173	GG	AA	1940289291
SNP_P1_65939_26144568	NC_021163.1	Ca_kabuli_chr04	26144568	AA	GG	1940289292
SNP_P1_65940_26152926	NC_021163.1	Ca_kabuli_chr04	26152926	CC	TT	1940289294
SNP_P1_65941_26153015	NC_021163.1	Ca_kabuli_chr04	26153015	CC	TT	1940289295
SNP_P1_65942_26153268	NC_021163.1	Ca_kabuli_chr04	26153268	TT	CC	1940289297
SNP_P1_65943_26153563	NC_021163.1	Ca_kabuli_chr04	26153563	AA	CC	1940289299
SNP_P1_65944_26154896	NC_021163.1	Ca_kabuli_chr04	26154896	AA	TT	1940289300
SNP_P1_65945_26154987	NC_021163.1	Ca_kabuli_chr04	26154987	TT	CC	1940289302
SNP_P1_65946_26155899	NC_021163.1	Ca_kabuli_chr04	26155899	AA	GG	1940289303
SNP_P1_65947_26158899	NC_021163.1	Ca_kabuli_chr04	26158899	GG	AA	1940289305
SNP_P1_65948_26160976	NC_021163.1	Ca_kabuli_chr04	26160976	AA	CC	1940289307
SNP_P1_65949_26161206	NC_021163.1	Ca_kabuli_chr04	26161206	GG	AA	1940289308
SNP_P1_65950_26161216	NC_021163.1	Ca_kabuli_chr04	26161216	AA	GG	1940289310
SNP_P1_65951_26162516	NC_021163.1	Ca_kabuli_chr04	26162516	TT	CC	1940289311
SNP_P1_65952_26162528	NC_021163.1	Ca_kabuli_chr04	26162528	AA	GG	1940289314
SNP_P1_65953_26162559	NC_021163.1	Ca_kabuli_chr04	26162559	AA	GG	1940289315
SNP_P1_65954_26162574	NC_021163.1	Ca_kabuli_chr04	26162574	GG	AA	1940289317
SNP_P1_65955_26163462	NC_021163.1	Ca_kabuli_chr04	26163462	AA	TT	1940289319
SNP_P1_65956_26163468	NC_021163.1	Ca_kabuli_chr04	26163468	CC	TT	1940289320
SNP_P1_65957_26163471	NC_021163.1	Ca_kabuli_chr04	26163471	AA	GG	1940289323
SNP_P1_65958_26164614	NC_021163.1	Ca_kabuli_chr04	26164614	CC	TT	1940289325
SNP_P1_65959_26165220	NC_021163.1	Ca_kabuli_chr04	26165220	CC	TT	1940289326
SNP_P1_65960_26166168	NC_021163.1	Ca_kabuli_chr04	26166168	AA	CC	1940289328
SNP_P1_65961_26166194	NC_021163.1	Ca_kabuli_chr04	26166194	GG	AA	1940289331
SNP_P1_65962_26166692	NC_021163.1	Ca_kabuli_chr04	26166692	CC	TT	1940289334
SNP_P1_65963_26168504	NC_021163.1	Ca_kabuli_chr04	26168504	AA	GG	1940289336
SNP_P1_65964_26169224	NC_021163.1	Ca_kabuli_chr04	26169224	GG	CC	1940289338
SNP_P1_65966_26171026	NC_021163.1	Ca_kabuli_chr04	26171026	AA	TT	1940289340
SNP_P1_65967_26171977	NC_021163.1	Ca_kabuli_chr04	26171977	AA	CC	1940289343
SNP_P1_65968_26172089	NC_021163.1	Ca_kabuli_chr04	26172089	AA	TT	1940289345
SNP_P1_65969_26174176	NC_021163.1	Ca_kabuli_chr04	26174176	AA	GG	1940289347
SNP_P1_65970_26174393	NC_021163.1	Ca_kabuli_chr04	26174393	GG	TT	1940289349
SNP_P1_65971_26175625	NC_021163.1	Ca_kabuli_chr04	26175625	GG	TT	1940289351
SNP_P1_65974_26178746	NC_021163.1	Ca_kabuli_chr04	26178746	GG	AA	1940289352
SNP_P1_65975_26179569	NC_021163.1	Ca_kabuli_chr04	26179569	AA	GG	1940289354
SNP_P1_65976_26179728	NC_021163.1	Ca_kabuli_chr04	26179728	AA	TT	1940289356
SNP_P1_65977_26181075	NC_021163.1	Ca_kabuli_chr04	26181075	CC	AA	1940289358
SNP_P1_65978_26181856	NC_021163.1	Ca_kabuli_chr04	26181856	TT	GG	1940289359
SNP_P1_65979_26181887	NC_021163.1	Ca_kabuli_chr04	26181887	GG	AA	1940289361
SNP_P1_65980_26182272	NC_021163.1	Ca_kabuli_chr04	26182272	AA	GG	1940289363

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_65982_26183000	NC_021163.1	Ca_kabuli_chr04	26183000	GG	AA	1940289366
SNP_P1_65983_26185087	NC_021163.1	Ca_kabuli_chr04	26185087	AA	GG	1940289368
SNP_P1_65984_26186895	NC_021163.1	Ca_kabuli_chr04	26186895	AA	CC	1940289369
SNP_P1_65985_26187882	NC_021163.1	Ca_kabuli_chr04	26187882	AA	GG	1940289371
SNP_P1_65986_26188185	NC_021163.1	Ca_kabuli_chr04	26188185	AA	GG	1940289373
SNP_P1_65987_26189103	NC_021163.1	Ca_kabuli_chr04	26189103	AA	TT	1940289375
SNP_P1_65988_26189629	NC_021163.1	Ca_kabuli_chr04	26189629	TT	CC	1940289377
SNP_P1_65989_26191345	NC_021163.1	Ca_kabuli_chr04	26191345	CC	AA	1940289378
SNP_P1_65990_26191350	NC_021163.1	Ca_kabuli_chr04	26191350	AA	CC	1940289380
SNP_P1_65991_26192773	NC_021163.1	Ca_kabuli_chr04	26192773	GG	AA	1940289382
SNP_P1_65992_26193062	NC_021163.1	Ca_kabuli_chr04	26193062	CC	TT	1940289383
SNP_P1_65993_26193457	NC_021163.1	Ca_kabuli_chr04	26193457	TT	AA	1940289385
SNP_P1_65994_26195852	NC_021163.1	Ca_kabuli_chr04	26195852	AA	CC	1940289387
SNP_P1_65995_26197668	NC_021163.1	Ca_kabuli_chr04	26197668	AA	TT	1940289389
SNP_P1_65996_26198117	NC_021163.1	Ca_kabuli_chr04	26198117	AA	GG	1940289390
SNP_P1_65997_26198165	NC_021163.1	Ca_kabuli_chr04	26198165	TT	CC	1940289392
SNP_P1_65998_26198486	NC_021163.1	Ca_kabuli_chr04	26198486	CC	AA	1940289394
SNP_P1_65999_26198489	NC_021163.1	Ca_kabuli_chr04	26198489	AA	GG	1940289395
SNP_P1_66000_26198986	NC_021163.1	Ca_kabuli_chr04	26198986	AA	CC	1940289397
SNP_P1_66002_26199445	NC_021163.1	Ca_kabuli_chr04	26199445	CC	TT	1940289399
SNP_P1_66003_26200121	NC_021163.1	Ca_kabuli_chr04	26200121	AA	GG	1940289401
SNP_P1_66004_26200691	NC_021163.1	Ca_kabuli_chr04	26200691	CC	AA	1940289403
SNP_P1_66005_26200857	NC_021163.1	Ca_kabuli_chr04	26200857	TT	CC	1940289405
SNP_P1_66006_26201171	NC_021163.1	Ca_kabuli_chr04	26201171	AA	CC	1940289406
SNP_P1_66007_26201483	NC_021163.1	Ca_kabuli_chr04	26201483	GG	TT	1940289407
SNP_P1_66011_26204567	NC_021163.1	Ca_kabuli_chr04	26204567	AA	GG	1940289409
SNP_P1_66012_26205783	NC_021163.1	Ca_kabuli_chr04	26205783	AA	GG	1940289410
SNP_P1_66013_26207056	NC_021163.1	Ca_kabuli_chr04	26207056	GG	AA	1940289412
SNP_P1_66014_26207433	NC_021163.1	Ca_kabuli_chr04	26207433	AA	CC	1940289413
SNP_P1_66015_26207573	NC_021163.1	Ca_kabuli_chr04	26207573	TT	CC	1940289415
SNP_P1_66016_26207802	NC_021163.1	Ca_kabuli_chr04	26207802	CC	GG	1940289416
SNP_P1_66017_26207851	NC_021163.1	Ca_kabuli_chr04	26207851	AA	GG	1940289418
SNP_P1_66018_26218223	NC_021163.1	Ca_kabuli_chr04	26218223	TT	CC	1940289419
SNP_P1_66019_26219102	NC_021163.1	Ca_kabuli_chr04	26219102	AA	TT	1940289421
SNP_P1_66020_26223810	NC_021163.1	Ca_kabuli_chr04	26223810	TT	CC	1940289422
SNP_P1_66021_26224213	NC_021163.1	Ca_kabuli_chr04	26224213	TT	CC	1940289424
SNP_P1_66023_26225809	NC_021163.1	Ca_kabuli_chr04	26225809	AA	GG	1940289425
SNP_P1_66024_26226195	NC_021163.1	Ca_kabuli_chr04	26226195	GG	AA	1940289427
SNP_P1_66025_26226462	NC_021163.1	Ca_kabuli_chr04	26226462	GG	TT	1940289428
SNP_P1_66026_26228102	NC_021163.1	Ca_kabuli_chr04	26228102	AA	GG	1940289430
SNP_P1_66028_26230466	NC_021163.1	Ca_kabuli_chr04	26230466	CC	TT	1940289431

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_66030_26233767	NC_021163.1	Ca_kabuli_chr04	26233767	TT	CC	1940289433
SNP_P1_66031_26234181	NC_021163.1	Ca_kabuli_chr04	26234181	GG	AA	1940289434
SNP_P1_66032_26235011	NC_021163.1	Ca_kabuli_chr04	26235011	CC	TT	1940289436
SNP_P1_66033_26236527	NC_021163.1	Ca_kabuli_chr04	26236527	TT	CC	1940289437
SNP_P1_66035_26238297	NC_021163.1	Ca_kabuli_chr04	26238297	AA	GG	1940289439
SNP_P1_66036_26239324	NC_021163.1	Ca_kabuli_chr04	26239324	AA	CC	1940289440
SNP_P1_66037_26239616	NC_021163.1	Ca_kabuli_chr04	26239616	AA	CC	1940289442
SNP_P1_66038_26243097	NC_021163.1	Ca_kabuli_chr04	26243097	GG	CC	1940289444
SNP_P1_66039_26243099	NC_021163.1	Ca_kabuli_chr04	26243099	AA	GG	1940289445
SNP_P1_66040_26243150	NC_021163.1	Ca_kabuli_chr04	26243150	TT	AA	1940289447
SNP_P1_66041_26243175	NC_021163.1	Ca_kabuli_chr04	26243175	GG	AA	1940289449
SNP_P1_66042_26243357	NC_021163.1	Ca_kabuli_chr04	26243357	AA	GG	1940289450
SNP_P1_66043_26243390	NC_021163.1	Ca_kabuli_chr04	26243390	TT	CC	1940289452
SNP_P1_66044_26243423	NC_021163.1	Ca_kabuli_chr04	26243423	CC	TT	1940289454
SNP_P1_66045_26243468	NC_021163.1	Ca_kabuli_chr04	26243468	AA	GG	1940289455
SNP_P1_66046_26244281	NC_021163.1	Ca_kabuli_chr04	26244281	AA	GG	1940289457
SNP_P1_66047_26245393	NC_021163.1	Ca_kabuli_chr04	26245393	TT	CC	1940289458
SNP_P1_66048_26248981	NC_021163.1	Ca_kabuli_chr04	26248981	TT	CC	1940289460
SNP_P1_66051_26251902	NC_021163.1	Ca_kabuli_chr04	26251902	TT	CC	1940289462
SNP_P1_66052_26252036	NC_021163.1	Ca_kabuli_chr04	26252036	AA	CC	1940289463
SNP_P1_66053_26252247	NC_021163.1	Ca_kabuli_chr04	26252247	TT	CC	1940289465
SNP_P1_66054_26256532	NC_021163.1	Ca_kabuli_chr04	26256532	GG	TT	1940289467
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SNP_P1_66057_26259138	NC_021163.1	Ca_kabuli_chr04	26259138	AA	GG	1940289472
SNP_P1_66058_26259497	NC_021163.1	Ca_kabuli_chr04	26259497	AA	CC	1940289473
SNP_P1_66059_26261398	NC_021163.1	Ca_kabuli_chr04	26261398	GG	CC	1940289475
SNP_P1_66060_26262745	NC_021163.1	Ca_kabuli_chr04	26262745	AA	GG	1940289476
SNP_P1_66061_26262780	NC_021163.1	Ca_kabuli_chr04	26262780	GG	TT	1940289478
SNP_P1_66062_26262925	NC_021163.1	Ca_kabuli_chr04	26262925	AA	GG	1940289480
SNP_P1_66063_26263234	NC_021163.1	Ca_kabuli_chr04	26263234	CC	TT	1940289482
SNP_P1_66064_26263313	NC_021163.1	Ca_kabuli_chr04	26263313	AA	GG	1940289484
SNP_P1_66065_26263444	NC_021163.1	Ca_kabuli_chr04	26263444	TT	CC	1940289485
SNP_P1_66066_26263447	NC_021163.1	Ca_kabuli_chr04	26263447	TT	CC	1940289487
SNP_P1_66067_26263528	NC_021163.1	Ca_kabuli_chr04	26263528	TT	CC	1940289488
SNP_P1_66068_26263552	NC_021163.1	Ca_kabuli_chr04	26263552	GG	AA	1940289489
SNP_P1_66069_26263560	NC_021163.1	Ca_kabuli_chr04	26263560	AA	GG	1940289491
SNP_P1_66070_26263604	NC_021163.1	Ca_kabuli_chr04	26263604	TT	AA	1940289492
SNP_P1_66071_26263628	NC_021163.1	Ca_kabuli_chr04	26263628	AA	GG	1940289494
SNP_P1_66072_26263631	NC_021163.1	Ca_kabuli_chr04	26263631	AA	GG	1940289496
SNP_P1_66073_26263910	NC_021163.1	Ca_kabuli_chr04	26263910	GG	AA	1940289497
SNP_P1_66074_26263986	NC_021163.1	Ca_kabuli_chr04	26263986	CC	TT	1940289499

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66077_26276775	NC_021163.1	Ca_kabuli_chr04	26276775	TT	AA	1940289502
SNP_P1_66078_26282208	NC_021163.1	Ca_kabuli_chr04	26282208	GG	AA	1940289504
SNP_P1_66080_26294865	NC_021163.1	Ca_kabuli_chr04	26294865	TT	CC	1940289505
SNP_P1_66081_26295399	NC_021163.1	Ca_kabuli_chr04	26295399	TT	CC	1940289507
SNP_P1_66082_26295404	NC_021163.1	Ca_kabuli_chr04	26295404	CC	AA	1940289508
SNP_P1_66083_26300291	NC_021163.1	Ca_kabuli_chr04	26300291	GG	AA	1940289509
SNP_P1_66084_26300608	NC_021163.1	Ca_kabuli_chr04	26300608	GG	AA	1940289510
SNP_P1_66086_26304024	NC_021163.1	Ca_kabuli_chr04	26304024	AA	TT	1940289512
SNP_P1_66089_26306713	NC_021163.1	Ca_kabuli_chr04	26306713	AA	CC	1940289513
SNP_P1_66090_26307236	NC_021163.1	Ca_kabuli_chr04	26307236	CC	TT	1940289515
SNP_P1_66091_26307468	NC_021163.1	Ca_kabuli_chr04	26307468	AA	GG	1940289516
SNP_P1_66092_26307508	NC_021163.1	Ca_kabuli_chr04	26307508	CC	TT	1940289517
SNP_P1_66094_26309695	NC_021163.1	Ca_kabuli_chr04	26309695	GG	AA	1940289519
SNP_P1_66095_26309992	NC_021163.1	Ca_kabuli_chr04	26309992	GG	TT	1940289520
SNP_P1_66096_26310524	NC_021163.1	Ca_kabuli_chr04	26310524	CC	AA	1940289522
SNP_P1_66098_26325498	NC_021163.1	Ca_kabuli_chr04	26325498	GG	AA	1940289523
SNP_P1_66100_26329591	NC_021163.1	Ca_kabuli_chr04	26329591	GG	AA	1940289524
SNP_P1_66101_26332232	NC_021163.1	Ca_kabuli_chr04	26332232	AA	GG	1940289526
SNP_P1_66102_26338166	NC_021163.1	Ca_kabuli_chr04	26338166	TT	GG	1940289528
SNP_P1_66103_26341371	NC_021163.1	Ca_kabuli_chr04	26341371	AA	TT	1940289530
SNP_P1_66104_26341850	NC_021163.1	Ca_kabuli_chr04	26341850	GG	AA	1940289531
SNP_P1_66105_26343072	NC_021163.1	Ca_kabuli_chr04	26343072	AA	TT	1940289532
SNP_P1_66106_26343414	NC_021163.1	Ca_kabuli_chr04	26343414	GG	AA	1940289534
SNP_P1_66108_26344180	NC_021163.1	Ca_kabuli_chr04	26344180	GG	AA	1940289535
SNP_P1_66109_26351243	NC_021163.1	Ca_kabuli_chr04	26351243	AA	GG	1940289536
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SNP_P1_66111_26353205	NC_021163.1	Ca_kabuli_chr04	26353205	TT	AA	1940289539
SNP_P1_66113_26355266	NC_021163.1	Ca_kabuli_chr04	26355266	GG	AA	1940289541
SNP_P1_66114_26355466	NC_021163.1	Ca_kabuli_chr04	26355466	CC	TT	1940289543
SNP_P1_66115_26355506	NC_021163.1	Ca_kabuli_chr04	26355506	AA	TT	1940289545
SNP_P1_66116_26355977	NC_021163.1	Ca_kabuli_chr04	26355977	CC	TT	1940289547
SNP_P1_66117_26357126	NC_021163.1	Ca_kabuli_chr04	26357126	AA	TT	1940289552
SNP_P1_66118_26361180	NC_021163.1	Ca_kabuli_chr04	26361180	GG	TT	1940289555
SNP_P1_66119_26361620	NC_021163.1	Ca_kabuli_chr04	26361620	TT	CC	1940289558
SNP_P1_66120_26363529	NC_021163.1	Ca_kabuli_chr04	26363529	TT	GG	1940289561
SNP_P1_66123_26365936	NC_021163.1	Ca_kabuli_chr04	26365936	AA	CC	1940289563
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SNP_P1_66127_26370513	NC_021163.1	Ca_kabuli_chr04	26370513	TT	CC	1940289567
SNP_P1_66129_26371080	NC_021163.1	Ca_kabuli_chr04	26371080	GG	TT	1940289569
SNP_P1_66130_26371361	NC_021163.1	Ca_kabuli_chr04	26371361	GG	AA	1940289571
SNP_P1_66131_26371794	NC_021163.1	Ca_kabuli_chr04	26371794	CC	AA	1940289573

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66134_26373180	NC_021163.1	Ca_kabuli_chr04	26373180	TT	GG	1940289579
SNP_P1_66135_26378363	NC_021163.1	Ca_kabuli_chr04	26378363	AA	GG	1940289581
SNP_P1_66136_26378887	NC_021163.1	Ca_kabuli_chr04	26378887	CC	TT	1940289583
SNP_P1_66137_26379377	NC_021163.1	Ca_kabuli_chr04	26379377	CC	TT	1940289584
SNP_P1_66138_26379516	NC_021163.1	Ca_kabuli_chr04	26379516	GG	AA	1940289586
SNP_P1_66141_26380064	NC_021163.1	Ca_kabuli_chr04	26380064	GG	AA	1940289588
SNP_P1_66142_26380127	NC_021163.1	Ca_kabuli_chr04	26380127	TT	CC	1940289589
SNP_P1_66143_26380167	NC_021163.1	Ca_kabuli_chr04	26380167	TT	CC	1940289591
SNP_P1_66144_26380630	NC_021163.1	Ca_kabuli_chr04	26380630	GG	AA	1940289593
SNP_P1_66145_26381174	NC_021163.1	Ca_kabuli_chr04	26381174	CC	TT	1940289595
SNP_P1_66146_26381236	NC_021163.1	Ca_kabuli_chr04	26381236	CC	TT	1940289597
SNP_P1_66148_26382032	NC_021163.1	Ca_kabuli_chr04	26382032	GG	AA	1940289598
SNP_P1_66150_26389802	NC_021163.1	Ca_kabuli_chr04	26389802	GG	AA	1940289600
SNP_P1_66151_26390159	NC_021163.1	Ca_kabuli_chr04	26390159	GG	AA	1940289602
SNP_P1_66152_26394392	NC_021163.1	Ca_kabuli_chr04	26394392	GG	TT	1940289604
SNP_P1_66153_26394593	NC_021163.1	Ca_kabuli_chr04	26394593	GG	AA	1940289606
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SNP_P1_66156_26397220	NC_021163.1	Ca_kabuli_chr04	26397220	AA	CC	1940289609
SNP_P1_66157_26397629	NC_021163.1	Ca_kabuli_chr04	26397629	GG	AA	1940289611
SNP_P1_66158_26397656	NC_021163.1	Ca_kabuli_chr04	26397656	GG	AA	1940289613
SNP_P1_66159_26397922	NC_021163.1	Ca_kabuli_chr04	26397922	GG	CC	1940289615
SNP_P1_66160_26397957	NC_021163.1	Ca_kabuli_chr04	26397957	CC	TT	1940289616
SNP_P1_66161_26398058	NC_021163.1	Ca_kabuli_chr04	26398058	TT	CC	1940289618
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SNP_P1_66164_26399559	NC_021163.1	Ca_kabuli_chr04	26399559	TT	CC	1940289623
SNP_P1_66165_26400780	NC_021163.1	Ca_kabuli_chr04	26400780	CC	TT	1940289625
SNP_P1_66166_26400976	NC_021163.1	Ca_kabuli_chr04	26400976	GG	AA	1940289627
SNP_P1_66167_26401106	NC_021163.1	Ca_kabuli_chr04	26401106	TT	CC	1940289629
SNP_P1_66168_26401827	NC_021163.1	Ca_kabuli_chr04	26401827	GG	CC	1940289630
SNP_P1_66169_26402348	NC_021163.1	Ca_kabuli_chr04	26402348	GG	AA	1940289632
SNP_P1_66170_26402354	NC_021163.1	Ca_kabuli_chr04	26402354	AA	GG	1940289634
SNP_P1_66171_26403324	NC_021163.1	Ca_kabuli_chr04	26403324	CC	AA	1940289635
SNP_P1_66173_26404680	NC_021163.1	Ca_kabuli_chr04	26404680	CC	TT	1940289637
SNP_P1_66174_26404809	NC_021163.1	Ca_kabuli_chr04	26404809	AA	GG	1940289638
SNP_P1_66175_26405527	NC_021163.1	Ca_kabuli_chr04	26405527	GG	CC	1940289639
SNP_P1_66176_26406188	NC_021163.1	Ca_kabuli_chr04	26406188	GG	TT	1940289640
SNP_P1_66177_26406941	NC_021163.1	Ca_kabuli_chr04	26406941	TT	GG	1940289641
SNP_P1_66178_26408085	NC_021163.1	Ca_kabuli_chr04	26408085	GG	CC	1940289642
SNP_P1_66179_26409259	NC_021163.1	Ca_kabuli_chr04	26409259	TT	CC	1940289643

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66181_26409371	NC_021163.1	Ca_kabuli_chr04	26409371	TT	GG	1940289645
SNP_P1_66182_26409507	NC_021163.1	Ca_kabuli_chr04	26409507	AA	TT	1940289646
SNP_P1_66183_26410069	NC_021163.1	Ca_kabuli_chr04	26410069	AA	CC	1940289648
SNP_P1_66184_26410288	NC_021163.1	Ca_kabuli_chr04	26410288	AA	GG	1940289649
SNP_P1_66186_26410990	NC_021163.1	Ca_kabuli_chr04	26410990	TT	CC	1940289651
SNP_P1_66187_26411090	NC_021163.1	Ca_kabuli_chr04	26411090	AA	TT	1940289652
SNP_P1_66188_26411091	NC_021163.1	Ca_kabuli_chr04	26411091	GG	AA	1940289654
SNP_P1_66189_26411141	NC_021163.1	Ca_kabuli_chr04	26411141	AA	TT	1940289656
SNP_P1_66190_26411203	NC_021163.1	Ca_kabuli_chr04	26411203	TT	CC	1940289657
SNP_P1_66191_26411289	NC_021163.1	Ca_kabuli_chr04	26411289	TT	CC	1940289659
SNP_P1_66192_26411400	NC_021163.1	Ca_kabuli_chr04	26411400	GG	AA	1940289661
SNP_P1_66193_26411410	NC_021163.1	Ca_kabuli_chr04	26411410	AA	GG	1940289662
SNP_P1_66194_26411481	NC_021163.1	Ca_kabuli_chr04	26411481	TT	AA	1940289664
SNP_P1_66195_26411575	NC_021163.1	Ca_kabuli_chr04	26411575	GG	AA	1940289666
SNP_P1_66196_26415326	NC_021163.1	Ca_kabuli_chr04	26415326	TT	CC	1940289667
SNP_P1_66197_26415971	NC_021163.1	Ca_kabuli_chr04	26415971	GG	AA	1940289669
SNP_P1_66199_26418863	NC_021163.1	Ca_kabuli_chr04	26418863	CC	AA	1940289670
SNP_P1_66200_26440014	NC_021163.1	Ca_kabuli_chr04	26440014	AA	GG	1940289672
SNP_P1_66201_26440446	NC_021163.1	Ca_kabuli_chr04	26440446	AA	GG	1940289674
SNP_P1_66202_26456628	NC_021163.1	Ca_kabuli_chr04	26456628	AA	GG	1940289675
SNP_P1_66203_26456712	NC_021163.1	Ca_kabuli_chr04	26456712	CC	TT	1940289677
SNP_P1_66204_26457150	NC_021163.1	Ca_kabuli_chr04	26457150	GG	TT	1940289678
SNP_P1_66205_26460774	NC_021163.1	Ca_kabuli_chr04	26460774	GG	AA	1940289680
SNP_P1_66206_26460791	NC_021163.1	Ca_kabuli_chr04	26460791	GG	AA	1940289681
SNP_P1_66208_26463472	NC_021163.1	Ca_kabuli_chr04	26463472	AA	GG	1940289683
SNP_P1_66209_26464689	NC_021163.1	Ca_kabuli_chr04	26464689	TT	CC	1940289685
SNP_P1_66210_26464818	NC_021163.1	Ca_kabuli_chr04	26464818	GG	AA	1940289687
SNP_P1_66211_26465350	NC_021163.1	Ca_kabuli_chr04	26465350	TT	CC	1940289688
SNP_P1_66212_26466910	NC_021163.1	Ca_kabuli_chr04	26466910	CC	TT	1940289690
SNP_P1_66213_26467248	NC_021163.1	Ca_kabuli_chr04	26467248	CC	TT	1940289692
SNP_P1_66214_26467402	NC_021163.1	Ca_kabuli_chr04	26467402	AA	GG	1940289694
SNP_P1_66215_26467713	NC_021163.1	Ca_kabuli_chr04	26467713	CC	TT	1940289695
SNP_P1_66216_26467775	NC_021163.1	Ca_kabuli_chr04	26467775	TT	CC	1940289697
SNP_P1_66217_26467914	NC_021163.1	Ca_kabuli_chr04	26467914	AA	GG	1940289698
SNP_P1_66218_26468021	NC_021163.1	Ca_kabuli_chr04	26468021	AA	CC	1940289700
SNP_P1_66220_26469196	NC_021163.1	Ca_kabuli_chr04	26469196	TT	CC	1940289702
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SNP_P1_66222_26472418	NC_021163.1	Ca_kabuli_chr04	26472418	CC	TT	1940289705
SNP_P1_66223_26472540	NC_021163.1	Ca_kabuli_chr04	26472540	CC	TT	1940289707
SNP_P1_66224_26473644	NC_021163.1	Ca_kabuli_chr04	26473644	CC	TT	1940289708
SNP_P1_66225_26480753	NC_021163.1	Ca_kabuli_chr04	26480753	AA	TT	1940289710

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66228_26483830	NC_021163.1	Ca_kabuli_chr04	26483830	AA	TT	1940289713
SNP_P1_66229_26486204	NC_021163.1	Ca_kabuli_chr04	26486204	TT	CC	1940289715
SNP_P1_66230_26486446	NC_021163.1	Ca_kabuli_chr04	26486446	GG	AA	1940289717
SNP_P1_66231_26487857	NC_021163.1	Ca_kabuli_chr04	26487857	GG	AA	1940289719
SNP_P1_66233_26489185	NC_021163.1	Ca_kabuli_chr04	26489185	TT	CC	1940289720
SNP_P1_66235_26489973	NC_021163.1	Ca_kabuli_chr04	26489973	AA	TT	1940289722
SNP_P1_66236_26491033	NC_021163.1	Ca_kabuli_chr04	26491033	TT	CC	1940289724
SNP_P1_66237_26491101	NC_021163.1	Ca_kabuli_chr04	26491101	AA	TT	1940289726
SNP_P1_66238_26491631	NC_021163.1	Ca_kabuli_chr04	26491631	TT	AA	1940289727
SNP_P1_66239_26492048	NC_021163.1	Ca_kabuli_chr04	26492048	TT	CC	1940289729
SNP_P1_66240_26492869	NC_021163.1	Ca_kabuli_chr04	26492869	CC	TT	1940289731
SNP_P1_66242_26494434	NC_021163.1	Ca_kabuli_chr04	26494434	CC	AA	1940289732
SNP_P1_66243_26494502	NC_021163.1	Ca_kabuli_chr04	26494502	GG	AA	1940289734
SNP_P1_66244_26494811	NC_021163.1	Ca_kabuli_chr04	26494811	TT	GG	1940289735
SNP_P1_66246_26495644	NC_021163.1	Ca_kabuli_chr04	26495644	GG	AA	1940289737
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SNP_P1_66248_26498573	NC_021163.1	Ca_kabuli_chr04	26498573	GG	AA	1940289739
SNP_P1_66249_26499467	NC_021163.1	Ca_kabuli_chr04	26499467	GG	TT	1940289741
SNP_P1_66250_26500268	NC_021163.1	Ca_kabuli_chr04	26500268	AA	CC	1940289743
SNP_P1_66251_26501597	NC_021163.1	Ca_kabuli_chr04	26501597	AA	GG	1940289745
SNP_P1_66252_26502245	NC_021163.1	Ca_kabuli_chr04	26502245	AA	TT	1940289746
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SNP_P1_66255_26509367	NC_021163.1	Ca_kabuli_chr04	26509367	CC	TT	1940289750
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SNP_P1_66260_26512086	NC_021163.1	Ca_kabuli_chr04	26512086	CC	TT	1940289757
SNP_P1_66261_26514427	NC_021163.1	Ca_kabuli_chr04	26514427	CC	TT	1940289759
SNP_P1_66262_26514493	NC_021163.1	Ca_kabuli_chr04	26514493	GG	AA	1940289761
SNP_P1_66263_26514507	NC_021163.1	Ca_kabuli_chr04	26514507	TT	CC	1940289762
SNP_P1_66265_26517317	NC_021163.1	Ca_kabuli_chr04	26517317	AA	GG	1940289763
SNP_P1_66267_26519988	NC_021163.1	Ca_kabuli_chr04	26519988	GG	AA	1940289765
SNP_P1_66269_26525276	NC_021163.1	Ca_kabuli_chr04	26525276	AA	GG	1940289766
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SNP_P1_66274_26530375	NC_021163.1	Ca_kabuli_chr04	26530375	CC	TT	1940289773
SNP_P1_66275_26531483	NC_021163.1	Ca_kabuli_chr04	26531483	GG	TT	1940289774
SNP_P1_66276_26532430	NC_021163.1	Ca_kabuli_chr04	26532430	CC	AA	1940289776
SNP_P1_66277_26542005	NC_021163.1	Ca_kabuli_chr04	26542005	AA	CC	1940289778

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66281_26543227	NC_021163.1	Ca_kabuli_chr04	26543227	TT	CC	1940289782
SNP_P1_66282_26545855	NC_021163.1	Ca_kabuli_chr04	26545855	GG	AA	1940289784
SNP_P1_66283_26546944	NC_021163.1	Ca_kabuli_chr04	26546944	GG	AA	1940289786
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SNP_P1_66285_26550705	NC_021163.1	Ca_kabuli_chr04	26550705	CC	TT	1940289789
SNP_P1_66286_26550930	NC_021163.1	Ca_kabuli_chr04	26550930	AA	GG	1940289790
SNP_P1_66287_26551678	NC_021163.1	Ca_kabuli_chr04	26551678	AA	GG	1940289792
SNP_P1_66288_26556298	NC_021163.1	Ca_kabuli_chr04	26556298	TT	CC	1940289793
SNP_P1_66289_26556502	NC_021163.1	Ca_kabuli_chr04	26556502	AA	CC	1940289795
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SNP_P1_66292_26583597	NC_021163.1	Ca_kabuli_chr04	26583597	CC	TT	1940289798
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SNP_P1_66294_26587265	NC_021163.1	Ca_kabuli_chr04	26587265	TT	CC	1940289801
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SNP_P1_66296_26590142	NC_021163.1	Ca_kabuli_chr04	26590142	GG	TT	1940289804
SNP_P1_66297_26590145	NC_021163.1	Ca_kabuli_chr04	26590145	GG	AA	1940289806
SNP_P1_66298_26590887	NC_021163.1	Ca_kabuli_chr04	26590887	GG	AA	1940289808
SNP_P1_66299_26590907	NC_021163.1	Ca_kabuli_chr04	26590907	AA	GG	1940289809
SNP_P1_66300_26591392	NC_021163.1	Ca_kabuli_chr04	26591392	CC	TT	1940289811
SNP_P1_66301_26591861	NC_021163.1	Ca_kabuli_chr04	26591861	TT	CC	1940289812
SNP_P1_66302_26592209	NC_021163.1	Ca_kabuli_chr04	26592209	TT	CC	1940289814
SNP_P1_66303_26593355	NC_021163.1	Ca_kabuli_chr04	26593355	CC	AA	1940289816
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SNP_P1_66305_26596329	NC_021163.1	Ca_kabuli_chr04	26596329	TT	GG	1940289819
SNP_P1_66306_26596705	NC_021163.1	Ca_kabuli_chr04	26596705	CC	GG	1940289821
SNP_P1_66307_26597070	NC_021163.1	Ca_kabuli_chr04	26597070	CC	AA	1940289823
SNP_P1_66309_26597434	NC_021163.1	Ca_kabuli_chr04	26597434	GG	TT	1940289825
SNP_P1_66310_26597703	NC_021163.1	Ca_kabuli_chr04	26597703	AA	GG	1940289827
SNP_P1_66312_26604898	NC_021163.1	Ca_kabuli_chr04	26604898	AA	GG	1940289829
SNP_P1_66313_26604951	NC_021163.1	Ca_kabuli_chr04	26604951	AA	CC	1940289832
SNP_P1_66315_26608249	NC_021163.1	Ca_kabuli_chr04	26608249	TT	CC	1940289833
SNP_P1_66316_26608275	NC_021163.1	Ca_kabuli_chr04	26608275	TT	CC	1940289835
SNP_P1_66317_26608421	NC_021163.1	Ca_kabuli_chr04	26608421	AA	GG	1940289836
SNP_P1_66318_26608439	NC_021163.1	Ca_kabuli_chr04	26608439	CC	AA	1940289837
SNP_P1_66319_26608501	NC_021163.1	Ca_kabuli_chr04	26608501	AA	CC	1940289839
SNP_P1_66320_26608595	NC_021163.1	Ca_kabuli_chr04	26608595	CC	AA	1940289840
SNP_P1_66321_26608936	NC_021163.1	Ca_kabuli_chr04	26608936	GG	AA	1940289841
SNP_P1_66322_26608958	NC_021163.1	Ca_kabuli_chr04	26608958	CC	GG	1940289843
SNP_P1_66323_26609027	NC_021163.1	Ca_kabuli_chr04	26609027	TT	CC	1940289844
SNP_P1_66324_26609550	NC_021163.1	Ca_kabuli_chr04	26609550	CC	AA	1940289846

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66327_26620417	NC_021163.1	Ca_kabuli_chr04	26620417	AA	GG	1940289849
SNP_P1_66329_26621319	NC_021163.1	Ca_kabuli_chr04	26621319	AA	GG	1940289850
SNP_P1_66330_26621522	NC_021163.1	Ca_kabuli_chr04	26621522	CC	TT	1940289852
SNP_P1_66331_26621999	NC_021163.1	Ca_kabuli_chr04	26621999	CC	TT	1940289853
SNP_P1_66333_26622317	NC_021163.1	Ca_kabuli_chr04	26622317	GG	AA	1940289854
SNP_P1_66336_26625423	NC_021163.1	Ca_kabuli_chr04	26625423	AA	GG	1940289855
SNP_P1_66337_26626777	NC_021163.1	Ca_kabuli_chr04	26626777	CC	GG	1940289856
SNP_P1_66338_26630836	NC_021163.1	Ca_kabuli_chr04	26630836	TT	CC	1940289857
SNP_P1_66339_26631061	NC_021163.1	Ca_kabuli_chr04	26631061	GG	TT	1940289858
SNP_P1_66340_26632362	NC_021163.1	Ca_kabuli_chr04	26632362	GG	AA	1940289860
SNP_P1_66341_26635066	NC_021163.1	Ca_kabuli_chr04	26635066	TT	CC	1940289861
SNP_P1_66342_26638805	NC_021163.1	Ca_kabuli_chr04	26638805	TT	GG	1940289862
SNP_P1_66343_26639143	NC_021163.1	Ca_kabuli_chr04	26639143	TT	AA	1940289863
SNP_P1_66344_26639253	NC_021163.1	Ca_kabuli_chr04	26639253	TT	CC	1940289864
SNP_P1_66345_26639976	NC_021163.1	Ca_kabuli_chr04	26639976	CC	TT	1940289865
SNP_P1_66346_26643108	NC_021163.1	Ca_kabuli_chr04	26643108	GG	AA	1940289866
SNP_P1_66348_26648237	NC_021163.1	Ca_kabuli_chr04	26648237	TT	GG	1940289868
SNP_P1_66350_26649354	NC_021163.1	Ca_kabuli_chr04	26649354	CC	TT	1940289869
SNP_P1_66351_26650241	NC_021163.1	Ca_kabuli_chr04	26650241	CC	TT	1940289870
SNP_P1_66352_26651852	NC_021163.1	Ca_kabuli_chr04	26651852	TT	CC	1940289871
SNP_P1_66353_26651894	NC_021163.1	Ca_kabuli_chr04	26651894	TT	CC	1940289873
SNP_P1_66355_26652586	NC_021163.1	Ca_kabuli_chr04	26652586	GG	AA	1940289874
SNP_P1_66356_26652956	NC_021163.1	Ca_kabuli_chr04	26652956	GG	TT	1940289875
SNP_P1_66357_26653013	NC_021163.1	Ca_kabuli_chr04	26653013	CC	TT	1940289877
SNP_P1_66358_26653082	NC_021163.1	Ca_kabuli_chr04	26653082	CC	AA	1940289878
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SNP_P1_66361_26653615	NC_021163.1	Ca_kabuli_chr04	26653615	TT	CC	1940289881
SNP_P1_66363_26653928	NC_021163.1	Ca_kabuli_chr04	26653928	CC	TT	1940289883
SNP_P1_66364_26654756	NC_021163.1	Ca_kabuli_chr04	26654756	CC	TT	1940289884
SNP_P1_66365_26656820	NC_021163.1	Ca_kabuli_chr04	26656820	AA	TT	1940289886
SNP_P1_66366_26657010	NC_021163.1	Ca_kabuli_chr04	26657010	AA	GG	1940289888
SNP_P1_66367_26657431	NC_021163.1	Ca_kabuli_chr04	26657431	TT	CC	1940289889
SNP_P1_66368_26659042	NC_021163.1	Ca_kabuli_chr04	26659042	GG	AA	1940289891
SNP_P1_66369_26659776	NC_021163.1	Ca_kabuli_chr04	26659776	CC	TT	1940289892
SNP_P1_66370_26660409	NC_021163.1	Ca_kabuli_chr04	26660409	TT	AA	1940289894
SNP_P1_66371_26661367	NC_021163.1	Ca_kabuli_chr04	26661367	TT	CC	1940289895
SNP_P1_66372_26661545	NC_021163.1	Ca_kabuli_chr04	26661545	AA	GG	1940289897
SNP_P1_66373_26662408	NC_021163.1	Ca_kabuli_chr04	26662408	TT	CC	1940289898
SNP_P1_66375_26663049	NC_021163.1	Ca_kabuli_chr04	26663049	GG	AA	1940289900
SNP_P1_66376_26663115	NC_021163.1	Ca_kabuli_chr04	26663115	GG	AA	1940289901
SNP_P1_66377_26663664	NC_021163.1	Ca_kabuli_chr04	26663664	AA	TT	1940289902

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66381_26666090	NC_021163.1	Ca_kabuli_chr04	26666090	AA	GG	1940289905
SNP_P1_66383_26669523	NC_021163.1	Ca_kabuli_chr04	26669523	CC	TT	1940289906
SNP_P1_66384_26670248	NC_021163.1	Ca_kabuli_chr04	26670248	GG	AA	1940289907
SNP_P1_66385_26670340	NC_021163.1	Ca_kabuli_chr04	26670340	CC	GG	1940289909
SNP_P1_66386_26670366	NC_021163.1	Ca_kabuli_chr04	26670366	CC	TT	1940289910
SNP_P1_66388_26671251	NC_021163.1	Ca_kabuli_chr04	26671251	AA	TT	1940289911
SNP_P1_66389_26671577	NC_021163.1	Ca_kabuli_chr04	26671577	TT	AA	1940289912
SNP_P1_66392_26673840	NC_021163.1	Ca_kabuli_chr04	26673840	GG	TT	1940289914
SNP_P1_66393_26684060	NC_021163.1	Ca_kabuli_chr04	26684060	GG	AA	1940289915
SNP_P1_66394_26696048	NC_021163.1	Ca_kabuli_chr04	26696048	AA	CC	1940289916
SNP_P1_66395_26698289	NC_021163.1	Ca_kabuli_chr04	26698289	GG	TT	1940289917
SNP_P1_66396_26727270	NC_021163.1	Ca_kabuli_chr04	26727270	GG	TT	1940289919
SNP_P1_66397_26727778	NC_021163.1	Ca_kabuli_chr04	26727778	TT	AA	1940289920
SNP_P1_66398_26728704	NC_021163.1	Ca_kabuli_chr04	26728704	GG	TT	1940289921
SNP_P1_66399_26728780	NC_021163.1	Ca_kabuli_chr04	26728780	CC	GG	1940289922
SNP_P1_66400_26730192	NC_021163.1	Ca_kabuli_chr04	26730192	GG	AA	1940289924
SNP_P1_66401_26730273	NC_021163.1	Ca_kabuli_chr04	26730273	GG	AA	1940289925
SNP_P1_66402_26734626	NC_021163.1	Ca_kabuli_chr04	26734626	GG	AA	1940289926
SNP_P1_66403_26735304	NC_021163.1	Ca_kabuli_chr04	26735304	TT	CC	1940289928
SNP_P1_66404_26735398	NC_021163.1	Ca_kabuli_chr04	26735398	AA	GG	1940289929
SNP_P1_66405_26736206	NC_021163.1	Ca_kabuli_chr04	26736206	CC	TT	1940289930
SNP_P1_66406_26736886	NC_021163.1	Ca_kabuli_chr04	26736886	CC	TT	1940289932
SNP_P1_66407_26739084	NC_021163.1	Ca_kabuli_chr04	26739084	AA	GG	1940289933
SNP_P1_66410_26741082	NC_021163.1	Ca_kabuli_chr04	26741082	TT	AA	1940289934
SNP_P1_66412_26742163	NC_021163.1	Ca_kabuli_chr04	26742163	GG	AA	1940289936
SNP_P1_66413_26743260	NC_021163.1	Ca_kabuli_chr04	26743260	CC	AA	1940289937
SNP_P1_66414_26743853	NC_021163.1	Ca_kabuli_chr04	26743853	TT	CC	1940289939
SNP_P1_66415_26745152	NC_021163.1	Ca_kabuli_chr04	26745152	GG	AA	1940289940
SNP_P1_66416_26745458	NC_021163.1	Ca_kabuli_chr04	26745458	CC	GG	1940289942
SNP_P1_66417_26745459	NC_021163.1	Ca_kabuli_chr04	26745459	AA	TT	1940289944
SNP_P1_66418_26746221	NC_021163.1	Ca_kabuli_chr04	26746221	CC	TT	1940289945
SNP_P1_66420_26746575	NC_021163.1	Ca_kabuli_chr04	26746575	TT	CC	1940289947
SNP_P1_66421_26748474	NC_021163.1	Ca_kabuli_chr04	26748474	TT	CC	1940289949
SNP_P1_66423_26750909	NC_021163.1	Ca_kabuli_chr04	26750909	GG	AA	1940289950
SNP_P1_66426_26752513	NC_021163.1	Ca_kabuli_chr04	26752513	AA	GG	1940289951
SNP_P1_66429_26753125	NC_021163.1	Ca_kabuli_chr04	26753125	TT	AA	1940289953
SNP_P1_66430_26753146	NC_021163.1	Ca_kabuli_chr04	26753146	GG	AA	1940289954
SNP_P1_66432_26755525	NC_021163.1	Ca_kabuli_chr04	26755525	AA	GG	1940289955
SNP_P1_66433_26761872	NC_021163.1	Ca_kabuli_chr04	26761872	AA	GG	1940289957
SNP_P1_66434_26761897	NC_021163.1	Ca_kabuli_chr04	26761897	TT	AA	1940289958
SNP_P1_66436_26763506	NC_021163.1	Ca_kabuli_chr04	26763506	TT	AA	1940289959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66438_26764964	NC_021163.1	Ca_kabuli_chr04	26764964	AA	CC	1940289962
SNP_P1_66439_26765251	NC_021163.1	Ca_kabuli_chr04	26765251	AA	CC	1940289963
SNP_P1_66441_26766108	NC_021163.1	Ca_kabuli_chr04	26766108	AA	GG	1940289965
SNP_P1_66442_26766587	NC_021163.1	Ca_kabuli_chr04	26766587	AA	GG	1940289966
SNP_P1_66443_26766588	NC_021163.1	Ca_kabuli_chr04	26766588	AA	GG	1940289967
SNP_P1_66446_26769188	NC_021163.1	Ca_kabuli_chr04	26769188	GG	AA	1940289969
SNP_P1_66448_26775477	NC_021163.1	Ca_kabuli_chr04	26775477	CC	TT	1940289970
SNP_P1_66449_26776009	NC_021163.1	Ca_kabuli_chr04	26776009	CC	TT	1940289971
SNP_P1_66450_26777097	NC_021163.1	Ca_kabuli_chr04	26777097	TT	CC	1940289973
SNP_P1_66451_26777507	NC_021163.1	Ca_kabuli_chr04	26777507	CC	AA	1940289974
SNP_P1_66452_26781599	NC_021163.1	Ca_kabuli_chr04	26781599	CC	TT	1940289975
SNP_P1_66453_26781894	NC_021163.1	Ca_kabuli_chr04	26781894	CC	TT	1940289977
SNP_P1_66455_26785725	NC_021163.1	Ca_kabuli_chr04	26785725	TT	AA	1940289979
SNP_P1_66457_26790234	NC_021163.1	Ca_kabuli_chr04	26790234	TT	AA	1940289980
SNP_P1_66458_26794055	NC_021163.1	Ca_kabuli_chr04	26794055	AA	GG	1940289981
SNP_P1_66459_26794110	NC_021163.1	Ca_kabuli_chr04	26794110	AA	CC	1940289983
SNP_P1_66460_26794395	NC_021163.1	Ca_kabuli_chr04	26794395	GG	AA	1940289984
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SNP_P1_66463_26800264	NC_021163.1	Ca_kabuli_chr04	26800264	CC	AA	1940289987
SNP_P1_66464_26804267	NC_021163.1	Ca_kabuli_chr04	26804267	CC	TT	1940289989
SNP_P1_66466_26805605	NC_021163.1	Ca_kabuli_chr04	26805605	GG	AA	1940289990
SNP_P1_66467_26805821	NC_021163.1	Ca_kabuli_chr04	26805821	AA	GG	1940289991
SNP_P1_66468_26807395	NC_021163.1	Ca_kabuli_chr04	26807395	AA	GG	1940289993
SNP_P1_66469_26807953	NC_021163.1	Ca_kabuli_chr04	26807953	TT	GG	1940289994
SNP_P1_66470_26807962	NC_021163.1	Ca_kabuli_chr04	26807962	CC	AA	1940289996
SNP_P1_66471_26807979	NC_021163.1	Ca_kabuli_chr04	26807979	TT	CC	1940289997
SNP_P1_66472_26807985	NC_021163.1	Ca_kabuli_chr04	26807985	TT	CC	1940289999
SNP_P1_66473_26807994	NC_021163.1	Ca_kabuli_chr04	26807994	CC	AA	1940290000
SNP_P1_66474_26808107	NC_021163.1	Ca_kabuli_chr04	26808107	TT	CC	1940290002
SNP_P1_66475_26808224	NC_021163.1	Ca_kabuli_chr04	26808224	CC	TT	1940290003
SNP_P1_66476_26808230	NC_021163.1	Ca_kabuli_chr04	26808230	CC	AA	1940290005
SNP_P1_66477_26810599	NC_021163.1	Ca_kabuli_chr04	26810599	GG	TT	1940290006
SNP_P1_66478_26810674	NC_021163.1	Ca_kabuli_chr04	26810674	AA	CC	1940290008
SNP_P1_66479_26810680	NC_021163.1	Ca_kabuli_chr04	26810680	CC	TT	1940290009
SNP_P1_66480_26810689	NC_021163.1	Ca_kabuli_chr04	26810689	TT	CC	1940290011
SNP_P1_66481_26810737	NC_021163.1	Ca_kabuli_chr04	26810737	CC	TT	1940290012
SNP_P1_66482_26810749	NC_021163.1	Ca_kabuli_chr04	26810749	GG	AA	1940290014
SNP_P1_66483_26810862	NC_021163.1	Ca_kabuli_chr04	26810862	CC	TT	1940290015
SNP_P1_66484_26810867	NC_021163.1	Ca_kabuli_chr04	26810867	TT	AA	1940290017
SNP_P1_66485_26810940	NC_021163.1	Ca_kabuli_chr04	26810940	GG	AA	1940290019
SNP_P1_66486_26813549	NC_021163.1	Ca_kabuli_chr04	26813549	CC	TT	1940290021

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66489_26814280	NC_021163.1	Ca_kabuli_chr04	26814280	AA	TT	1940290026
SNP_P1_66490_26815447	NC_021163.1	Ca_kabuli_chr04	26815447	CC	TT	1940290028
SNP_P1_66491_26815871	NC_021163.1	Ca_kabuli_chr04	26815871	AA	TT	1940290029
SNP_P1_66493_26816346	NC_021163.1	Ca_kabuli_chr04	26816346	GG	TT	1940290031
SNP_P1_66494_26818366	NC_021163.1	Ca_kabuli_chr04	26818366	CC	TT	1940290033
SNP_P1_66495_26821666	NC_021163.1	Ca_kabuli_chr04	26821666	AA	TT	1940290035
SNP_P1_66496_26821667	NC_021163.1	Ca_kabuli_chr04	26821667	CC	AA	1940290036
SNP_P1_66497_26822128	NC_021163.1	Ca_kabuli_chr04	26822128	GG	AA	1940290038
SNP_P1_66498_26822516	NC_021163.1	Ca_kabuli_chr04	26822516	GG	AA	1940290039
SNP_P1_66499_26827993	NC_021163.1	Ca_kabuli_chr04	26827993	TT	AA	1940290041
SNP_P1_66500_26828921	NC_021163.1	Ca_kabuli_chr04	26828921	GG	AA	1940290043
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SNP_P1_66502_26831686	NC_021163.1	Ca_kabuli_chr04	26831686	CC	TT	1940290046
SNP_P1_66503_26832621	NC_021163.1	Ca_kabuli_chr04	26832621	GG	AA	1940290048
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SNP_P1_66509_26842941	NC_021163.1	Ca_kabuli_chr04	26842941	GG	TT	1940290055
SNP_P1_66510_26843325	NC_021163.1	Ca_kabuli_chr04	26843325	AA	GG	1940290056
SNP_P1_66511_26846425	NC_021163.1	Ca_kabuli_chr04	26846425	AA	TT	1940290058
SNP_P1_66513_26846997	NC_021163.1	Ca_kabuli_chr04	26846997	CC	AA	1940290059
SNP_P1_66514_26847013	NC_021163.1	Ca_kabuli_chr04	26847013	GG	AA	1940290060
SNP_P1_66516_26847339	NC_021163.1	Ca_kabuli_chr04	26847339	AA	CC	1940290061
SNP_P1_66517_26847394	NC_021163.1	Ca_kabuli_chr04	26847394	CC	TT	1940290062
SNP_P1_66518_26847401	NC_021163.1	Ca_kabuli_chr04	26847401	TT	CC	1940290064
SNP_P1_66519_26847454	NC_021163.1	Ca_kabuli_chr04	26847454	AA	GG	1940290065
SNP_P1_66520_26847461	NC_021163.1	Ca_kabuli_chr04	26847461	GG	TT	1940290066
SNP_P1_66521_26847470	NC_021163.1	Ca_kabuli_chr04	26847470	TT	CC	1940290067
SNP_P1_66523_26850093	NC_021163.1	Ca_kabuli_chr04	26850093	TT	CC	1940290068
SNP_P1_66524_26850227	NC_021163.1	Ca_kabuli_chr04	26850227	TT	CC	1940290070
SNP_P1_66526_26850731	NC_021163.1	Ca_kabuli_chr04	26850731	TT	CC	1940290071
SNP_P1_66527_26850737	NC_021163.1	Ca_kabuli_chr04	26850737	CC	TT	1940290072
SNP_P1_66529_26851097	NC_021163.1	Ca_kabuli_chr04	26851097	AA	CC	1940290073
SNP_P1_66531_26857868	NC_021163.1	Ca_kabuli_chr04	26857868	CC	TT	1940290075
SNP_P1_66532_26858372	NC_021163.1	Ca_kabuli_chr04	26858372	AA	GG	1940290076
SNP_P1_66533_26863089	NC_021163.1	Ca_kabuli_chr04	26863089	TT	CC	1940290077
SNP_P1_66534_26864244	NC_021163.1	Ca_kabuli_chr04	26864244	AA	GG	1940290078
SNP_P1_66535_26866009	NC_021163.1	Ca_kabuli_chr04	26866009	AA	TT	1940290079
SNP_P1_66536_26866043	NC_021163.1	Ca_kabuli_chr04	26866043	GG	AA	1940290081

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_66537_26866303	NC_021163.1	Ca_kabuli_chr04	26866303	AA	GG	1940290082
SNP_P1_66538_26866304	NC_021163.1	Ca_kabuli_chr04	26866304	GG	AA	1940290083
SNP_P1_66539_26867036	NC_021163.1	Ca_kabuli_chr04	26867036	TT	CC	1940290084
SNP_P1_66540_26870361	NC_021163.1	Ca_kabuli_chr04	26870361	TT	CC	1940290085
SNP_P1_66541_26870508	NC_021163.1	Ca_kabuli_chr04	26870508	GG	TT	1940290087
SNP_P1_66542_26874746	NC_021163.1	Ca_kabuli_chr04	26874746	GG	AA	1940290088
SNP_P1_66544_26894587	NC_021163.1	Ca_kabuli_chr04	26894587	TT	CC	1940290089
SNP_P1_66545_26894754	NC_021163.1	Ca_kabuli_chr04	26894754	AA	GG	1940290090
SNP_P1_66546_26895552	NC_021163.1	Ca_kabuli_chr04	26895552	AA	TT	1940290091
SNP_P1_66547_26895708	NC_021163.1	Ca_kabuli_chr04	26895708	CC	AA	1940290093
SNP_P1_66549_26899256	NC_021163.1	Ca_kabuli_chr04	26899256	AA	CC	1940290096
SNP_P1_66550_26900941	NC_021163.1	Ca_kabuli_chr04	26900941	AA	GG	1940290098
SNP_P1_66551_26901659	NC_021163.1	Ca_kabuli_chr04	26901659	CC	AA	1940290100
SNP_P1_66552_26901667	NC_021163.1	Ca_kabuli_chr04	26901667	CC	TT	1940290101
SNP_P1_66553_26901707	NC_021163.1	Ca_kabuli_chr04	26901707	AA	TT	1940290103
SNP_P1_66554_26901708	NC_021163.1	Ca_kabuli_chr04	26901708	GG	TT	1940290104
SNP_P1_66555_26901832	NC_021163.1	Ca_kabuli_chr04	26901832	CC	TT	1940290105
SNP_P1_66556_26901901	NC_021163.1	Ca_kabuli_chr04	26901901	GG	AA	1940290107
SNP_P1_66557_26901902	NC_021163.1	Ca_kabuli_chr04	26901902	CC	TT	1940290108
SNP_P1_66558_26902130	NC_021163.1	Ca_kabuli_chr04	26902130	AA	GG	1940290109
SNP_P1_66559_26902778	NC_021163.1	Ca_kabuli_chr04	26902778	TT	GG	1940290111
SNP_P1_66560_26902794	NC_021163.1	Ca_kabuli_chr04	26902794	TT	CC	1940290112
SNP_P1_66561_26902814	NC_021163.1	Ca_kabuli_chr04	26902814	AA	CC	1940290115
SNP_P1_66562_26903017	NC_021163.1	Ca_kabuli_chr04	26903017	AA	GG	1940290117
SNP_P1_66563_26903072	NC_021163.1	Ca_kabuli_chr04	26903072	TT	CC	1940290119
SNP_P1_66564_26903245	NC_021163.1	Ca_kabuli_chr04	26903245	AA	GG	1940290121
SNP_P1_66566_26903464	NC_021163.1	Ca_kabuli_chr04	26903464	AA	GG	1940290122
SNP_P1_66567_26904549	NC_021163.1	Ca_kabuli_chr04	26904549	GG	AA	1940290123
SNP_P1_66570_26916177	NC_021163.1	Ca_kabuli_chr04	26916177	TT	CC	1940290125
SNP_P1_66571_26916471	NC_021163.1	Ca_kabuli_chr04	26916471	TT	CC	1940290126
SNP_P1_66573_26918831	NC_021163.1	Ca_kabuli_chr04	26918831	TT	CC	1940290128
SNP_P1_66574_26919498	NC_021163.1	Ca_kabuli_chr04	26919498	GG	CC	1940290130
SNP_P1_66575_26924987	NC_021163.1	Ca_kabuli_chr04	26924987	AA	GG	1940290131
SNP_P1_66576_26936463	NC_021163.1	Ca_kabuli_chr04	26936463	TT	CC	1940290133
SNP_P1_66577_26936524	NC_021163.1	Ca_kabuli_chr04	26936524	CC	TT	1940290134
SNP_P1_66578_26936554	NC_021163.1	Ca_kabuli_chr04	26936554	GG	AA	1940290135
SNP_P1_66579_26936771	NC_021163.1	Ca_kabuli_chr04	26936771	GG	AA	1940290136
SNP_P1_66580_26936787	NC_021163.1	Ca_kabuli_chr04	26936787	TT	GG	1940290137
SNP_P1_66581_26936921	NC_021163.1	Ca_kabuli_chr04	26936921	AA	GG	1940290139
SNP_P1_66582_26936939	NC_021163.1	Ca_kabuli_chr04	26936939	AA	GG	1940290141
SNP_P1_66583_26936951	NC_021163.1	Ca_kabuli_chr04	26936951	AA	GG	1940290142
SNP_P1_66584_26936954	NC_021163.1	Ca_kabuli_chr04	26936954	TT	AA	1940290144

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66586_26937009	NC_021163.1	Ca_kabuli_chr04	26937009	GG	AA	1940290147
SNP_P1_66587_26937019	NC_021163.1	Ca_kabuli_chr04	26937019	TT	AA	1940290148
SNP_P1_66588_26937041	NC_021163.1	Ca_kabuli_chr04	26937041	AA	CC	1940290150
SNP_P1_66589_26937045	NC_021163.1	Ca_kabuli_chr04	26937045	CC	TT	1940290151
SNP_P1_66590_26937046	NC_021163.1	Ca_kabuli_chr04	26937046	TT	CC	1940290153
SNP_P1_66591_26937054	NC_021163.1	Ca_kabuli_chr04	26937054	GG	AA	1940290154
SNP_P1_66592_26937056	NC_021163.1	Ca_kabuli_chr04	26937056	GG	AA	1940290156
SNP_P1_66593_26937074	NC_021163.1	Ca_kabuli_chr04	26937074	CC	TT	1940290157
SNP_P1_66594_26937078	NC_021163.1	Ca_kabuli_chr04	26937078	AA	GG	1940290159
SNP_P1_66595_26937133	NC_021163.1	Ca_kabuli_chr04	26937133	GG	TT	1940290160
SNP_P1_66596_26937140	NC_021163.1	Ca_kabuli_chr04	26937140	GG	TT	1940290161
SNP_P1_66597_26937145	NC_021163.1	Ca_kabuli_chr04	26937145	AA	GG	1940290163
SNP_P1_66598_26937146	NC_021163.1	Ca_kabuli_chr04	26937146	CC	TT	1940290164
SNP_P1_66599_26937151	NC_021163.1	Ca_kabuli_chr04	26937151	TT	CC	1940290166
SNP_P1_66600_26937170	NC_021163.1	Ca_kabuli_chr04	26937170	AA	GG	1940290167
SNP_P1_66601_26937209	NC_021163.1	Ca_kabuli_chr04	26937209	TT	GG	1940290168
SNP_P1_66603_26943478	NC_021163.1	Ca_kabuli_chr04	26943478	TT	AA	1940290170
SNP_P1_66604_26944124	NC_021163.1	Ca_kabuli_chr04	26944124	AA	GG	1940290171
SNP_P1_66605_26945499	NC_021163.1	Ca_kabuli_chr04	26945499	CC	AA	1940290173
SNP_P1_66606_26945551	NC_021163.1	Ca_kabuli_chr04	26945551	CC	TT	1940290174
SNP_P1_66608_26947593	NC_021163.1	Ca_kabuli_chr04	26947593	GG	TT	1940290176
SNP_P1_66609_26947601	NC_021163.1	Ca_kabuli_chr04	26947601	TT	AA	1940290178
SNP_P1_66610_26947662	NC_021163.1	Ca_kabuli_chr04	26947662	AA	GG	1940290179
SNP_P1_66611_26947663	NC_021163.1	Ca_kabuli_chr04	26947663	AA	GG	1940290181
SNP_P1_66612_26947666	NC_021163.1	Ca_kabuli_chr04	26947666	AA	TT	1940290182
SNP_P1_66613_26948907	NC_021163.1	Ca_kabuli_chr04	26948907	TT	GG	1940290184
SNP_P1_66614_26952429	NC_021163.1	Ca_kabuli_chr04	26952429	GG	AA	1940290185
SNP_P1_66615_26954370	NC_021163.1	Ca_kabuli_chr04	26954370	CC	AA	1940290187
SNP_P1_66616_26955770	NC_021163.1	Ca_kabuli_chr04	26955770	CC	TT	1940290189
SNP_P1_66617_26956988	NC_021163.1	Ca_kabuli_chr04	26956988	CC	TT	1940290191
SNP_P1_66618_26961729	NC_021163.1	Ca_kabuli_chr04	26961729	AA	GG	1940290193
SNP_P1_66619_26964383	NC_021163.1	Ca_kabuli_chr04	26964383	GG	AA	1940290194
SNP_P1_66620_26966282	NC_021163.1	Ca_kabuli_chr04	26966282	TT	CC	1940290196
SNP_P1_66623_26967633	NC_021163.1	Ca_kabuli_chr04	26967633	GG	TT	1940290198
SNP_P1_66625_26967729	NC_021163.1	Ca_kabuli_chr04	26967729	GG	AA	1940290199
SNP_P1_66626_26967740	NC_021163.1	Ca_kabuli_chr04	26967740	AA	GG	1940290201
SNP_P1_66627_26970286	NC_021163.1	Ca_kabuli_chr04	26970286	TT	AA	1940290202
SNP_P1_66628_26970368	NC_021163.1	Ca_kabuli_chr04	26970368	CC	AA	1940290204
SNP_P1_66629_26970670	NC_021163.1	Ca_kabuli_chr04	26970670	CC	AA	1940290205
SNP_P1_66630_26972078	NC_021163.1	Ca_kabuli_chr04	26972078	CC	TT	1940290207
SNP_P1_66631_26972462	NC_021163.1	Ca_kabuli_chr04	26972462	GG	TT	1940290208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66633_26975869	NC_021163.1	Ca_kabuli_chr04	26975869	AA	TT	1940290212
SNP_P1_66634_26975870	NC_021163.1	Ca_kabuli_chr04	26975870	TT	GG	1940290213
SNP_P1_66635_26976535	NC_021163.1	Ca_kabuli_chr04	26976535	GG	AA	1940290215
SNP_P1_66636_26979070	NC_021163.1	Ca_kabuli_chr04	26979070	CC	GG	1940290216
SNP_P1_66637_26980360	NC_021163.1	Ca_kabuli_chr04	26980360	TT	GG	1940290218
SNP_P1_66638_26980572	NC_021163.1	Ca_kabuli_chr04	26980572	AA	GG	1940290219
SNP_P1_66639_26980591	NC_021163.1	Ca_kabuli_chr04	26980591	CC	TT	1940290221
SNP_P1_66640_26980592	NC_021163.1	Ca_kabuli_chr04	26980592	TT	CC	1940290222
SNP_P1_66641_26980619	NC_021163.1	Ca_kabuli_chr04	26980619	AA	GG	1940290224
SNP_P1_66642_26980623	NC_021163.1	Ca_kabuli_chr04	26980623	TT	CC	1940290226
SNP_P1_66643_26980624	NC_021163.1	Ca_kabuli_chr04	26980624	CC	TT	1940290227
SNP_P1_66644_26980626	NC_021163.1	Ca_kabuli_chr04	26980626	TT	CC	1940290229
SNP_P1_66645_26980629	NC_021163.1	Ca_kabuli_chr04	26980629	GG	TT	1940290231
SNP_P1_66646_26980634	NC_021163.1	Ca_kabuli_chr04	26980634	TT	CC	1940290232
SNP_P1_66647_26990017	NC_021163.1	Ca_kabuli_chr04	26990017	CC	AA	1940290234
SNP_P1_66648_26991164	NC_021163.1	Ca_kabuli_chr04	26991164	TT	CC	1940290236
SNP_P1_66650_26991518	NC_021163.1	Ca_kabuli_chr04	26991518	TT	CC	1940290237
SNP_P1_66651_26992612	NC_021163.1	Ca_kabuli_chr04	26992612	AA	GG	1940290239
SNP_P1_66652_26992615	NC_021163.1	Ca_kabuli_chr04	26992615	CC	GG	1940290241
SNP_P1_66653_26994862	NC_021163.1	Ca_kabuli_chr04	26994862	GG	AA	1940290242
SNP_P1_66654_26994863	NC_021163.1	Ca_kabuli_chr04	26994863	CC	TT	1940290244
SNP_P1_66655_26997482	NC_021163.1	Ca_kabuli_chr04	26997482	TT	CC	1940290245
SNP_P1_66656_26997552	NC_021163.1	Ca_kabuli_chr04	26997552	TT	GG	1940290247
SNP_P1_66657_26998393	NC_021163.1	Ca_kabuli_chr04	26998393	TT	GG	1940290249
SNP_P1_66658_26998829	NC_021163.1	Ca_kabuli_chr04	26998829	CC	AA	1940290250
SNP_P1_66659_26999035	NC_021163.1	Ca_kabuli_chr04	26999035	TT	AA	1940290252
SNP_P1_66660_27002284	NC_021163.1	Ca_kabuli_chr04	27002284	TT	GG	1940290254
SNP_P1_66661_27002464	NC_021163.1	Ca_kabuli_chr04	27002464	TT	AA	1940290255
SNP_P1_66662_27002473	NC_021163.1	Ca_kabuli_chr04	27002473	GG	CC	1940290257
SNP_P1_66663_27002550	NC_021163.1	Ca_kabuli_chr04	27002550	TT	CC	1940290259
SNP_P1_66664_27003118	NC_021163.1	Ca_kabuli_chr04	27003118	TT	GG	1940290260
SNP_P1_66665_27005105	NC_021163.1	Ca_kabuli_chr04	27005105	GG	AA	1940290262
SNP_P1_66666_27005834	NC_021163.1	Ca_kabuli_chr04	27005834	TT	CC	1940290264
SNP_P1_66667_27005847	NC_021163.1	Ca_kabuli_chr04	27005847	CC	TT	1940290265
SNP_P1_66668_27006277	NC_021163.1	Ca_kabuli_chr04	27006277	CC	TT	1940290267
SNP_P1_66669_27007299	NC_021163.1	Ca_kabuli_chr04	27007299	GG	AA	1940290269
SNP_P1_66670_27007303	NC_021163.1	Ca_kabuli_chr04	27007303	TT	GG	1940290270
SNP_P1_66671_27007336	NC_021163.1	Ca_kabuli_chr04	27007336	GG	AA	1940290272
SNP_P1_66672_27007607	NC_021163.1	Ca_kabuli_chr04	27007607	TT	AA	1940290273
SNP_P1_66674_27011929	NC_021163.1	Ca_kabuli_chr04	27011929	CC	TT	1940290275
SNP_P1_66675_27016029	NC_021163.1	Ca_kabuli_chr04	27016029	TT	CC	1940290277

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_66676_27016058	NC_021163.1	Ca_kabuli_chr04	27016058	GG	AA	1940290278
SNP_P1_66677_27016170	NC_021163.1	Ca_kabuli_chr04	27016170	CC	TT	1940290280
SNP_P1_66678_27016304	NC_021163.1	Ca_kabuli_chr04	27016304	GG	AA	1940290282
SNP_P1_66679_27016707	NC_021163.1	Ca_kabuli_chr04	27016707	AA	CC	1940290283
SNP_P1_66680_27017121	NC_021163.1	Ca_kabuli_chr04	27017121	AA	GG	1940290285
SNP_P1_66682_27017429	NC_021163.1	Ca_kabuli_chr04	27017429	CC	AA	1940290287
SNP_P1_66683_27017698	NC_021163.1	Ca_kabuli_chr04	27017698	CC	TT	1940290288
SNP_P1_66684_27018012	NC_021163.1	Ca_kabuli_chr04	27018012	CC	TT	1940290290
SNP_P1_66685_27018594	NC_021163.1	Ca_kabuli_chr04	27018594	TT	CC	1940290292
SNP_P1_66686_27018689	NC_021163.1	Ca_kabuli_chr04	27018689	AA	TT	1940290293
SNP_P1_66687_27019383	NC_021163.1	Ca_kabuli_chr04	27019383	CC	TT	1940290295
SNP_P1_66688_27019750	NC_021163.1	Ca_kabuli_chr04	27019750	CC	AA	1940290297
SNP_P1_66689_27019754	NC_021163.1	Ca_kabuli_chr04	27019754	CC	AA	1940290298
SNP_P1_66690_27020032	NC_021163.1	Ca_kabuli_chr04	27020032	TT	GG	1940290300
SNP_P1_66691_27020035	NC_021163.1	Ca_kabuli_chr04	27020035	AA	GG	1940290302
SNP_P1_66692_27021007	NC_021163.1	Ca_kabuli_chr04	27021007	AA	GG	1940290303
SNP_P1_66693_27021282	NC_021163.1	Ca_kabuli_chr04	27021282	CC	TT	1940290305
SNP_P1_66694_27021482	NC_021163.1	Ca_kabuli_chr04	27021482	GG	AA	1940290307
SNP_P1_66695_27021491	NC_021163.1	Ca_kabuli_chr04	27021491	GG	AA	1940290308
SNP_P1_66696_27021577	NC_021163.1	Ca_kabuli_chr04	27021577	CC	AA	1940290310
SNP_P1_66697_27022074	NC_021163.1	Ca_kabuli_chr04	27022074	CC	GG	1940290312
SNP_P1_66698_27025330	NC_021163.1	Ca_kabuli_chr04	27025330	AA	GG	1940290313
SNP_P1_66699_27025711	NC_021163.1	Ca_kabuli_chr04	27025711	CC	TT	1940290315
SNP_P1_66700_27026471	NC_021163.1	Ca_kabuli_chr04	27026471	GG	TT	1940290316
SNP_P1_66701_27027025	NC_021163.1	Ca_kabuli_chr04	27027025	CC	TT	1940290318
SNP_P1_66702_27027033	NC_021163.1	Ca_kabuli_chr04	27027033	AA	GG	1940290320
SNP_P1_66703_27028117	NC_021163.1	Ca_kabuli_chr04	27028117	TT	CC	1940290321
SNP_P1_66704_27028118	NC_021163.1	Ca_kabuli_chr04	27028118	CC	TT	1940290323
SNP_P1_66705_27032463	NC_021163.1	Ca_kabuli_chr04	27032463	AA	GG	1940290325
SNP_P1_66706_27032958	NC_021163.1	Ca_kabuli_chr04	27032958	GG	AA	1940290326
SNP_P1_66707_27037378	NC_021163.1	Ca_kabuli_chr04	27037378	CC	TT	1940290328
SNP_P1_66708_27038141	NC_021163.1	Ca_kabuli_chr04	27038141	CC	GG	1940290330
SNP_P1_66709_27038220	NC_021163.1	Ca_kabuli_chr04	27038220	CC	TT	1940290331
SNP_P1_66710_27041050	NC_021163.1	Ca_kabuli_chr04	27041050	GG	TT	1940290333
SNP_P1_66711_27045908	NC_021163.1	Ca_kabuli_chr04	27045908	GG	AA	1940290335
SNP_P1_66712_27057073	NC_021163.1	Ca_kabuli_chr04	27057073	AA	CC	1940290336
SNP_P1_66713_27060315	NC_021163.1	Ca_kabuli_chr04	27060315	GG	TT	1940290338
SNP_P1_66714_27060359	NC_021163.1	Ca_kabuli_chr04	27060359	TT	CC	1940290339
SNP_P1_66715_27060368	NC_021163.1	Ca_kabuli_chr04	27060368	AA	TT	1940290341
SNP_P1_66716_27061101	NC_021163.1	Ca_kabuli_chr04	27061101	AA	GG	1940290343
SNP_P1_66717_27065069	NC_021163.1	Ca_kabuli_chr04	27065069	AA	CC	1940290344
SNP_P1_66718_27065258	NC_021163.1	Ca_kabuli_chr04	27065258	TT	AA	1940290346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66720_27066039	NC_021163.1	Ca_kabuli_chr04	27066039	TT	GG	1940290349
SNP_P1_66722_27067957	NC_021163.1	Ca_kabuli_chr04	27067957	CC	AA	1940290352
SNP_P1_66723_27068425	NC_021163.1	Ca_kabuli_chr04	27068425	TT	CC	1940290354
SNP_P1_66724_27068984	NC_021163.1	Ca_kabuli_chr04	27068984	GG	CC	1940290356
SNP_P1_66725_27069048	NC_021163.1	Ca_kabuli_chr04	27069048	TT	AA	1940290358
SNP_P1_66726_27069090	NC_021163.1	Ca_kabuli_chr04	27069090	CC	GG	1940290360
SNP_P1_66727_27070454	NC_021163.1	Ca_kabuli_chr04	27070454	AA	GG	1940290362
SNP_P1_66728_27070513	NC_021163.1	Ca_kabuli_chr04	27070513	CC	TT	1940290364
SNP_P1_66729_27070881	NC_021163.1	Ca_kabuli_chr04	27070881	GG	CC	1940290365
SNP_P1_66730_27071119	NC_021163.1	Ca_kabuli_chr04	27071119	CC	GG	1940290367
SNP_P1_66731_27071270	NC_021163.1	Ca_kabuli_chr04	27071270	TT	AA	1940290369
SNP_P1_66732_27071453	NC_021163.1	Ca_kabuli_chr04	27071453	GG	TT	1940290371
SNP_P1_66733_27072105	NC_021163.1	Ca_kabuli_chr04	27072105	CC	TT	1940290373
SNP_P1_66734_27072281	NC_021163.1	Ca_kabuli_chr04	27072281	AA	TT	1940290376
SNP_P1_66736_27077656	NC_021163.1	Ca_kabuli_chr04	27077656	TT	CC	1940290379
SNP_P1_66739_27080429	NC_021163.1	Ca_kabuli_chr04	27080429	CC	TT	1940290383
SNP_P1_66740_27080966	NC_021163.1	Ca_kabuli_chr04	27080966	TT	CC	1940290388
SNP_P1_66741_27081730	NC_021163.1	Ca_kabuli_chr04	27081730	GG	AA	1940290391
SNP_P1_66742_27081760	NC_021163.1	Ca_kabuli_chr04	27081760	CC	TT	1940290395
SNP_P1_66743_27082011	NC_021163.1	Ca_kabuli_chr04	27082011	CC	TT	1940290400
SNP_P1_66744_27082279	NC_021163.1	Ca_kabuli_chr04	27082279	AA	GG	1940290403
SNP_P1_66745_27082376	NC_021163.1	Ca_kabuli_chr04	27082376	AA	GG	1940290405
SNP_P1_66746_27082391	NC_021163.1	Ca_kabuli_chr04	27082391	TT	AA	1940290407
SNP_P1_66747_27082859	NC_021163.1	Ca_kabuli_chr04	27082859	GG	AA	1940290410
SNP_P1_66748_27086323	NC_021163.1	Ca_kabuli_chr04	27086323	TT	GG	1940290412
SNP_P1_66749_27086327	NC_021163.1	Ca_kabuli_chr04	27086327	AA	CC	1940290415
SNP_P1_66751_27089354	NC_021163.1	Ca_kabuli_chr04	27089354	CC	TT	1940290417
SNP_P1_66752_27089403	NC_021163.1	Ca_kabuli_chr04	27089403	AA	GG	1940290420
SNP_P1_66753_27090681	NC_021163.1	Ca_kabuli_chr04	27090681	GG	TT	1940290423
SNP_P1_66754_27091429	NC_021163.1	Ca_kabuli_chr04	27091429	TT	AA	1940290425
SNP_P1_66755_27093762	NC_021163.1	Ca_kabuli_chr04	27093762	TT	CC	1940290427
SNP_P1_66756_27093865	NC_021163.1	Ca_kabuli_chr04	27093865	GG	TT	1940290430
SNP_P1_66757_27094753	NC_021163.1	Ca_kabuli_chr04	27094753	CC	TT	1940290433
SNP_P1_66758_27094755	NC_021163.1	Ca_kabuli_chr04	27094755	TT	GG	1940290435
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SNP_P1_66760_27095195	NC_021163.1	Ca_kabuli_chr04	27095195	AA	GG	1940290438
SNP_P1_66761_27102831	NC_021163.1	Ca_kabuli_chr04	27102831	CC	TT	1940290440
SNP_P1_66762_27103792	NC_021163.1	Ca_kabuli_chr04	27103792	CC	AA	1940290442
SNP_P1_66763_27104060	NC_021163.1	Ca_kabuli_chr04	27104060	TT	AA	1940290443
SNP_P1_66764_27104061	NC_021163.1	Ca_kabuli_chr04	27104061	TT	AA	1940290445
SNP_P1_66765_27104100	NC_021163.1	Ca_kabuli_chr04	27104100	GG	AA	1940290447

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66768_27113361	NC_021163.1	Ca_kabuli_chr04	27113361	TT	CC	1940290452
SNP_P1_66769_27122680	NC_021163.1	Ca_kabuli_chr04	27122680	GG	AA	1940290453
SNP_P1_66770_27122720	NC_021163.1	Ca_kabuli_chr04	27122720	CC	TT	1940290455
SNP_P1_66771_27124311	NC_021163.1	Ca_kabuli_chr04	27124311	TT	CC	1940290457
SNP_P1_66772_27124747	NC_021163.1	Ca_kabuli_chr04	27124747	AA	GG	1940290458
SNP_P1_66773_27134075	NC_021163.1	Ca_kabuli_chr04	27134075	GG	AA	1940290460
SNP_P1_66774_27134615	NC_021163.1	Ca_kabuli_chr04	27134615	TT	CC	1940290461
SNP_P1_66775_27134628	NC_021163.1	Ca_kabuli_chr04	27134628	CC	AA	1940290463
SNP_P1_66776_27135758	NC_021163.1	Ca_kabuli_chr04	27135758	GG	AA	1940290465
SNP_P1_66777_27136023	NC_021163.1	Ca_kabuli_chr04	27136023	CC	AA	1940290466
SNP_P1_66778_27136072	NC_021163.1	Ca_kabuli_chr04	27136072	AA	GG	1940290468
SNP_P1_66779_27136198	NC_021163.1	Ca_kabuli_chr04	27136198	GG	AA	1940290470
SNP_P1_66780_27136212	NC_021163.1	Ca_kabuli_chr04	27136212	CC	TT	1940290471
SNP_P1_66781_27136363	NC_021163.1	Ca_kabuli_chr04	27136363	AA	GG	1940290473
SNP_P1_66782_27136769	NC_021163.1	Ca_kabuli_chr04	27136769	TT	CC	1940290475
SNP_P1_66783_27137808	NC_021163.1	Ca_kabuli_chr04	27137808	GG	AA	1940290476
SNP_P1_66784_27137811	NC_021163.1	Ca_kabuli_chr04	27137811	CC	GG	1940290478
SNP_P1_66785_27139004	NC_021163.1	Ca_kabuli_chr04	27139004	GG	AA	1940290479
SNP_P1_66786_27139535	NC_021163.1	Ca_kabuli_chr04	27139535	TT	CC	1940290481
SNP_P1_66787_27139577	NC_021163.1	Ca_kabuli_chr04	27139577	GG	AA	1940290483
SNP_P1_66788_27139950	NC_021163.1	Ca_kabuli_chr04	27139950	AA	TT	1940290484
SNP_P1_66790_27140015	NC_021163.1	Ca_kabuli_chr04	27140015	TT	AA	1940290486
SNP_P1_66791_27140021	NC_021163.1	Ca_kabuli_chr04	27140021	TT	CC	1940290488
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SNP_P1_66793_27141872	NC_021163.1	Ca_kabuli_chr04	27141872	GG	TT	1940290491
SNP_P1_66794_27142965	NC_021163.1	Ca_kabuli_chr04	27142965	AA	CC	1940290493
SNP_P1_66795_27143276	NC_021163.1	Ca_kabuli_chr04	27143276	GG	AA	1940290494
SNP_P1_66796_27143282	NC_021163.1	Ca_kabuli_chr04	27143282	GG	AA	1940290496
SNP_P1_66797_27143311	NC_021163.1	Ca_kabuli_chr04	27143311	AA	GG	1940290498
SNP_P1_66798_27144775	NC_021163.1	Ca_kabuli_chr04	27144775	GG	TT	1940290499
SNP_P1_66799_27144785	NC_021163.1	Ca_kabuli_chr04	27144785	GG	AA	1940290501
SNP_P1_66800_27145634	NC_021163.1	Ca_kabuli_chr04	27145634	CC	TT	1940290503
SNP_P1_66801_27147012	NC_021163.1	Ca_kabuli_chr04	27147012	AA	CC	1940290504
SNP_P1_66802_27149114	NC_021163.1	Ca_kabuli_chr04	27149114	AA	TT	1940290506
SNP_P1_66804_27152272	NC_021163.1	Ca_kabuli_chr04	27152272	AA	GG	1940290507
SNP_P1_66805_27153064	NC_021163.1	Ca_kabuli_chr04	27153064	CC	TT	1940290509
SNP_P1_66806_27159952	NC_021163.1	Ca_kabuli_chr04	27159952	AA	GG	1940290510
SNP_P1_66807_27160128	NC_021163.1	Ca_kabuli_chr04	27160128	TT	CC	1940290512
SNP_P1_66809_27164303	NC_021163.1	Ca_kabuli_chr04	27164303	TT	AA	1940290513
SNP_P1_66810_27165368	NC_021163.1	Ca_kabuli_chr04	27165368	GG	CC	1940290515

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66813_27170284	NC_021163.1	Ca_kabuli_chr04	27170284	GG	TT	1940290517
SNP_P1_66814_27170715	NC_021163.1	Ca_kabuli_chr04	27170715	CC	AA	1940290519
SNP_P1_66815_27170788	NC_021163.1	Ca_kabuli_chr04	27170788	GG	AA	1940290522
SNP_P1_66816_27171946	NC_021163.1	Ca_kabuli_chr04	27171946	CC	AA	1940290524
SNP_P1_66817_27172845	NC_021163.1	Ca_kabuli_chr04	27172845	TT	CC	1940290525
SNP_P1_66818_27173145	NC_021163.1	Ca_kabuli_chr04	27173145	GG	TT	1940290528
SNP_P1_66819_27173185	NC_021163.1	Ca_kabuli_chr04	27173185	TT	CC	1940290530
SNP_P1_66820_27173278	NC_021163.1	Ca_kabuli_chr04	27173278	AA	GG	1940290533
SNP_P1_66821_27174709	NC_021163.1	Ca_kabuli_chr04	27174709	GG	TT	1940290536
SNP_P1_66823_27176165	NC_021163.1	Ca_kabuli_chr04	27176165	GG	CC	1940290537
SNP_P1_66824_27176216	NC_021163.1	Ca_kabuli_chr04	27176216	CC	GG	1940290539
SNP_P1_66825_27177883	NC_021163.1	Ca_kabuli_chr04	27177883	TT	CC	1940290541
SNP_P1_66826_27178546	NC_021163.1	Ca_kabuli_chr04	27178546	TT	CC	1940290542
SNP_P1_66827_27180296	NC_021163.1	Ca_kabuli_chr04	27180296	CC	AA	1940290544
SNP_P1_66828_27180836	NC_021163.1	Ca_kabuli_chr04	27180836	CC	AA	1940290545
SNP_P1_66829_27181408	NC_021163.1	Ca_kabuli_chr04	27181408	AA	GG	1940290546
SNP_P1_66830_27182656	NC_021163.1	Ca_kabuli_chr04	27182656	GG	AA	1940290547
SNP_P1_66834_27184820	NC_021163.1	Ca_kabuli_chr04	27184820	TT	CC	1940290548
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SNP_P1_66836_27185974	NC_021163.1	Ca_kabuli_chr04	27185974	GG	CC	1940290551
SNP_P1_66841_27197886	NC_021163.1	Ca_kabuli_chr04	27197886	TT	CC	1940290552
SNP_P1_66843_27198644	NC_021163.1	Ca_kabuli_chr04	27198644	TT	AA	1940290553
SNP_P1_66844_27198961	NC_021163.1	Ca_kabuli_chr04	27198961	AA	GG	1940290554
SNP_P1_66845_27199028	NC_021163.1	Ca_kabuli_chr04	27199028	CC	AA	1940290555
SNP_P1_66846_27199039	NC_021163.1	Ca_kabuli_chr04	27199039	AA	GG	1940290557
SNP_P1_66847_27199187	NC_021163.1	Ca_kabuli_chr04	27199187	GG	AA	1940290558
SNP_P1_66848_27199249	NC_021163.1	Ca_kabuli_chr04	27199249	TT	CC	1940290559
SNP_P1_66849_27199543	NC_021163.1	Ca_kabuli_chr04	27199543	AA	GG	1940290560
SNP_P1_66850_27201040	NC_021163.1	Ca_kabuli_chr04	27201040	CC	TT	1940290561
SNP_P1_66851_27201081	NC_021163.1	Ca_kabuli_chr04	27201081	GG	AA	1940290563
SNP_P1_66852_27201259	NC_021163.1	Ca_kabuli_chr04	27201259	AA	GG	1940290564
SNP_P1_66853_27205095	NC_021163.1	Ca_kabuli_chr04	27205095	TT	CC	1940290565
SNP_P1_66854_27206557	NC_021163.1	Ca_kabuli_chr04	27206557	CC	TT	1940290566
SNP_P1_66855_27207205	NC_021163.1	Ca_kabuli_chr04	27207205	CC	AA	1940290567
SNP_P1_66856_27207893	NC_021163.1	Ca_kabuli_chr04	27207893	CC	AA	1940290568
SNP_P1_66857_27208320	NC_021163.1	Ca_kabuli_chr04	27208320	CC	AA	1940290570
SNP_P1_66858_27208335	NC_021163.1	Ca_kabuli_chr04	27208335	AA	GG	1940290571
SNP_P1_66859_27208358	NC_021163.1	Ca_kabuli_chr04	27208358	AA	GG	1940290572
SNP_P1_66860_27208359	NC_021163.1	Ca_kabuli_chr04	27208359	CC	AA	1940290573
SNP_P1_66861_27208908	NC_021163.1	Ca_kabuli_chr04	27208908	GG	AA	1940290574
SNP_P1_66862_27209819	NC_021163.1	Ca_kabuli_chr04	27209819	AA	CC	1940290575

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66864_27210395	NC_021163.1	Ca_kabuli_chr04	27210395	AA	TT	1940290578
SNP_P1_66865_27212829	NC_021163.1	Ca_kabuli_chr04	27212829	TT	AA	1940290579
SNP_P1_66866_27213114	NC_021163.1	Ca_kabuli_chr04	27213114	CC	TT	1940290580
SNP_P1_66867_27213136	NC_021163.1	Ca_kabuli_chr04	27213136	AA	CC	1940290581
SNP_P1_66868_27213170	NC_021163.1	Ca_kabuli_chr04	27213170	AA	GG	1940290583
SNP_P1_66869_27213197	NC_021163.1	Ca_kabuli_chr04	27213197	GG	AA	1940290584
SNP_P1_66870_27213247	NC_021163.1	Ca_kabuli_chr04	27213247	AA	GG	1940290585
SNP_P1_66871_27213588	NC_021163.1	Ca_kabuli_chr04	27213588	AA	CC	1940290586
SNP_P1_66872_27215519	NC_021163.1	Ca_kabuli_chr04	27215519	TT	CC	1940290587
SNP_P1_66873_27216850	NC_021163.1	Ca_kabuli_chr04	27216850	TT	GG	1940290588
SNP_P1_66875_27219689	NC_021163.1	Ca_kabuli_chr04	27219689	GG	TT	1940290590
SNP_P1_66879_27240320	NC_021163.1	Ca_kabuli_chr04	27240320	GG	CC	1940290591
SNP_P1_66880_27240725	NC_021163.1	Ca_kabuli_chr04	27240725	CC	TT	1940290592
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SNP_P1_66883_27241781	NC_021163.1	Ca_kabuli_chr04	27241781	CC	GG	1940290595
SNP_P1_66884_27242707	NC_021163.1	Ca_kabuli_chr04	27242707	CC	GG	1940290596
SNP_P1_66885_27243969	NC_021163.1	Ca_kabuli_chr04	27243969	GG	AA	1940290599
SNP_P1_66886_27244408	NC_021163.1	Ca_kabuli_chr04	27244408	CC	TT	1940290604
SNP_P1_66887_27244411	NC_021163.1	Ca_kabuli_chr04	27244411	AA	GG	1940290610
SNP_P1_66888_27244481	NC_021163.1	Ca_kabuli_chr04	27244481	CC	TT	1940290616
SNP_P1_66889_27245900	NC_021163.1	Ca_kabuli_chr04	27245900	AA	TT	1940290620
SNP_P1_66890_27246990	NC_021163.1	Ca_kabuli_chr04	27246990	AA	GG	1940290623
SNP_P1_66891_27248834	NC_021163.1	Ca_kabuli_chr04	27248834	CC	TT	1940290626
SNP_P1_66892_27248882	NC_021163.1	Ca_kabuli_chr04	27248882	AA	TT	1940290629
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SNP_P1_66894_27249225	NC_021163.1	Ca_kabuli_chr04	27249225	GG	AA	1940290634
SNP_P1_66895_27249261	NC_021163.1	Ca_kabuli_chr04	27249261	GG	AA	1940290636
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SNP_P1_66897_27252931	NC_021163.1	Ca_kabuli_chr04	27252931	TT	AA	1940290640
SNP_P1_66898_27253545	NC_021163.1	Ca_kabuli_chr04	27253545	TT	GG	1940290641
SNP_P1_66899_27253546	NC_021163.1	Ca_kabuli_chr04	27253546	CC	AA	1940290643
SNP_P1_66900_27256232	NC_021163.1	Ca_kabuli_chr04	27256232	TT	CC	1940290644
SNP_P1_66901_27256785	NC_021163.1	Ca_kabuli_chr04	27256785	GG	CC	1940290646
SNP_P1_66902_27257036	NC_021163.1	Ca_kabuli_chr04	27257036	TT	CC	1940290647
SNP_P1_66903_27257137	NC_021163.1	Ca_kabuli_chr04	27257137	CC	GG	1940290649
SNP_P1_66904_27257230	NC_021163.1	Ca_kabuli_chr04	27257230	AA	GG	1940290650
SNP_P1_66905_27257880	NC_021163.1	Ca_kabuli_chr04	27257880	TT	AA	1940290652
SNP_P1_66906_27257889	NC_021163.1	Ca_kabuli_chr04	27257889	TT	AA	1940290653
SNP_P1_66907_27258567	NC_021163.1	Ca_kabuli_chr04	27258567	AA	TT	1940290655
SNP_P1_66909_27259367	NC_021163.1	Ca_kabuli_chr04	27259367	CC	AA	1940290656
SNP_P1_66910_27260725	NC_021163.1	Ca_kabuli_chr04	27260725	GG	CC	1940290658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66913_27261833	NC_021163.1	Ca_kabuli_chr04	27261833	CC	AA	1940290661
SNP_P1_66914_27265990	NC_021163.1	Ca_kabuli_chr04	27265990	GG	AA	1940290662
SNP_P1_66915_27266053	NC_021163.1	Ca_kabuli_chr04	27266053	AA	TT	1940290663
SNP_P1_66916_27266248	NC_021163.1	Ca_kabuli_chr04	27266248	TT	CC	1940290665
SNP_P1_66917_27266298	NC_021163.1	Ca_kabuli_chr04	27266298	AA	GG	1940290666
SNP_P1_66918_27266317	NC_021163.1	Ca_kabuli_chr04	27266317	CC	AA	1940290668
SNP_P1_66919_27266370	NC_021163.1	Ca_kabuli_chr04	27266370	GG	AA	1940290669
SNP_P1_66920_27266481	NC_021163.1	Ca_kabuli_chr04	27266481	GG	AA	1940290671
SNP_P1_66921_27266505	NC_021163.1	Ca_kabuli_chr04	27266505	CC	GG	1940290672
SNP_P1_66922_27266567	NC_021163.1	Ca_kabuli_chr04	27266567	AA	GG	1940290673
SNP_P1_66923_27266594	NC_021163.1	Ca_kabuli_chr04	27266594	AA	TT	1940290675
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SNP_P1_66925_27266644	NC_021163.1	Ca_kabuli_chr04	27266644	CC	AA	1940290677
SNP_P1_66926_27266658	NC_021163.1	Ca_kabuli_chr04	27266658	TT	CC	1940290679
SNP_P1_66927_27266660	NC_021163.1	Ca_kabuli_chr04	27266660	AA	TT	1940290680
SNP_P1_66928_27266748	NC_021163.1	Ca_kabuli_chr04	27266748	TT	AA	1940290681
SNP_P1_66929_27266780	NC_021163.1	Ca_kabuli_chr04	27266780	GG	TT	1940290683
SNP_P1_66930_27266849	NC_021163.1	Ca_kabuli_chr04	27266849	AA	CC	1940290684
SNP_P1_66931_27266887	NC_021163.1	Ca_kabuli_chr04	27266887	AA	TT	1940290685
SNP_P1_66932_27266933	NC_021163.1	Ca_kabuli_chr04	27266933	TT	GG	1940290687
SNP_P1_66933_27266957	NC_021163.1	Ca_kabuli_chr04	27266957	CC	TT	1940290688
SNP_P1_66934_27266973	NC_021163.1	Ca_kabuli_chr04	27266973	AA	GG	1940290690
SNP_P1_66935_27267083	NC_021163.1	Ca_kabuli_chr04	27267083	AA	GG	1940290691
SNP_P1_66937_27267220	NC_021163.1	Ca_kabuli_chr04	27267220	AA	GG	1940290692
SNP_P1_66938_27267294	NC_021163.1	Ca_kabuli_chr04	27267294	CC	TT	1940290693
SNP_P1_66939_27270498	NC_021163.1	Ca_kabuli_chr04	27270498	TT	CC	1940290694
SNP_P1_66940_27270611	NC_021163.1	Ca_kabuli_chr04	27270611	TT	GG	1940290695
SNP_P1_66941_27270763	NC_021163.1	Ca_kabuli_chr04	27270763	TT	CC	1940290697
SNP_P1_66942_27270894	NC_021163.1	Ca_kabuli_chr04	27270894	AA	GG	1940290698
SNP_P1_66943_27270957	NC_021163.1	Ca_kabuli_chr04	27270957	CC	AA	1940290699
SNP_P1_66944_27270989	NC_021163.1	Ca_kabuli_chr04	27270989	AA	TT	1940290700
SNP_P1_66945_27272328	NC_021163.1	Ca_kabuli_chr04	27272328	AA	CC	1940290701
SNP_P1_66946_27272576	NC_021163.1	Ca_kabuli_chr04	27272576	AA	GG	1940290702
SNP_P1_66947_27272585	NC_021163.1	Ca_kabuli_chr04	27272585	AA	TT	1940290703
SNP_P1_66948_27272604	NC_021163.1	Ca_kabuli_chr04	27272604	CC	TT	1940290705
SNP_P1_66949_27274165	NC_021163.1	Ca_kabuli_chr04	27274165	CC	GG	1940290706
SNP_P1_66950_27274172	NC_021163.1	Ca_kabuli_chr04	27274172	CC	TT	1940290707
SNP_P1_66951_27274177	NC_021163.1	Ca_kabuli_chr04	27274177	TT	AA	1940290709
SNP_P1_66952_27274413	NC_021163.1	Ca_kabuli_chr04	27274413	CC	TT	1940290710
SNP_P1_66953_27276227	NC_021163.1	Ca_kabuli_chr04	27276227	AA	GG	1940290711
SNP_P1_66954_27283442	NC_021163.1	Ca_kabuli_chr04	27283442	AA	GG	1940290713

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_66957_27283910	NC_021163.1	Ca_kabuli_chr04	27283910	AA	TT	1940290715
SNP_P1_66958_27285126	NC_021163.1	Ca_kabuli_chr04	27285126	TT	CC	1940290716
SNP_P1_66959_27285248	NC_021163.1	Ca_kabuli_chr04	27285248	GG	AA	1940290718
SNP_P1_66960_27285379	NC_021163.1	Ca_kabuli_chr04	27285379	AA	GG	1940290719
SNP_P1_66961_27285392	NC_021163.1	Ca_kabuli_chr04	27285392	GG	TT	1940290721
SNP_P1_66962_27285455	NC_021163.1	Ca_kabuli_chr04	27285455	AA	TT	1940290722
SNP_P1_66963_27285563	NC_021163.1	Ca_kabuli_chr04	27285563	GG	AA	1940290724
SNP_P1_66964_27285594	NC_021163.1	Ca_kabuli_chr04	27285594	GG	CC	1940290725
SNP_P1_66965_27285601	NC_021163.1	Ca_kabuli_chr04	27285601	AA	CC	1940290726
SNP_P1_66967_27302720	NC_021163.1	Ca_kabuli_chr04	27302720	CC	TT	1940290728
SNP_P1_66969_27312748	NC_021163.1	Ca_kabuli_chr04	27312748	GG	AA	1940290729
SNP_P1_66970_27312958	NC_021163.1	Ca_kabuli_chr04	27312958	TT	GG	1940290731
SNP_P1_66971_27313007	NC_021163.1	Ca_kabuli_chr04	27313007	TT	AA	1940290732
SNP_P1_66972_27313644	NC_021163.1	Ca_kabuli_chr04	27313644	TT	AA	1940290733
SNP_P1_66973_27314135	NC_021163.1	Ca_kabuli_chr04	27314135	CC	AA	1940290735
SNP_P1_66974_27314472	NC_021163.1	Ca_kabuli_chr04	27314472	CC	AA	1940290736
SNP_P1_66976_27314573	NC_021163.1	Ca_kabuli_chr04	27314573	AA	GG	1940290738
SNP_P1_66977_27314589	NC_021163.1	Ca_kabuli_chr04	27314589	CC	TT	1940290739
SNP_P1_66978_27314596	NC_021163.1	Ca_kabuli_chr04	27314596	GG	TT	1940290740
SNP_P1_66979_27314646	NC_021163.1	Ca_kabuli_chr04	27314646	GG	AA	1940290741
SNP_P1_66980_27314701	NC_021163.1	Ca_kabuli_chr04	27314701	AA	GG	1940290743
SNP_P1_66981_27314703	NC_021163.1	Ca_kabuli_chr04	27314703	TT	CC	1940290744
SNP_P1_66982_27314837	NC_021163.1	Ca_kabuli_chr04	27314837	CC	TT	1940290745
SNP_P1_66983_27314843	NC_021163.1	Ca_kabuli_chr04	27314843	AA	GG	1940290747
SNP_P1_66984_27314889	NC_021163.1	Ca_kabuli_chr04	27314889	AA	TT	1940290748
SNP_P1_66986_27314952	NC_021163.1	Ca_kabuli_chr04	27314952	AA	TT	1940290750
SNP_P1_66987_27314971	NC_021163.1	Ca_kabuli_chr04	27314971	TT	AA	1940290751
SNP_P1_66988_27316012	NC_021163.1	Ca_kabuli_chr04	27316012	TT	GG	1940290753
SNP_P1_66989_27316027	NC_021163.1	Ca_kabuli_chr04	27316027	GG	AA	1940290754
SNP_P1_66990_27316070	NC_021163.1	Ca_kabuli_chr04	27316070	CC	TT	1940290755
SNP_P1_66991_27316071	NC_021163.1	Ca_kabuli_chr04	27316071	TT	CC	1940290757
SNP_P1_66992_27316083	NC_021163.1	Ca_kabuli_chr04	27316083	CC	TT	1940290758
SNP_P1_66993_27316088	NC_021163.1	Ca_kabuli_chr04	27316088	TT	CC	1940290759
SNP_P1_66994_27316090	NC_021163.1	Ca_kabuli_chr04	27316090	GG	AA	1940290761
SNP_P1_66995_27316130	NC_021163.1	Ca_kabuli_chr04	27316130	TT	CC	1940290762
SNP_P1_66996_27316161	NC_021163.1	Ca_kabuli_chr04	27316161	CC	TT	1940290764
SNP_P1_66997_27316220	NC_021163.1	Ca_kabuli_chr04	27316220	CC	TT	1940290765
SNP_P1_66998_27316221	NC_021163.1	Ca_kabuli_chr04	27316221	GG	AA	1940290767
SNP_P1_66999_27316294	NC_021163.1	Ca_kabuli_chr04	27316294	GG	AA	1940290769
SNP_P1_67000_27316319	NC_021163.1	Ca_kabuli_chr04	27316319	CC	GG	1940290770
SNP_P1_67001_27316645	NC_021163.1	Ca_kabuli_chr04	27316645	TT	CC	1940290772

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67003_27316834	NC_021163.1	Ca_kabuli_chr04	27316834	AA	GG	1940290774
SNP_P1_67004_27316835	NC_021163.1	Ca_kabuli_chr04	27316835	CC	TT	1940290776
SNP_P1_67005_27316840	NC_021163.1	Ca_kabuli_chr04	27316840	TT	CC	1940290777
SNP_P1_67006_27316882	NC_021163.1	Ca_kabuli_chr04	27316882	GG	AA	1940290778
SNP_P1_67007_27316944	NC_021163.1	Ca_kabuli_chr04	27316944	GG	AA	1940290780
SNP_P1_67008_27316965	NC_021163.1	Ca_kabuli_chr04	27316965	AA	GG	1940290781
SNP_P1_67009_27317265	NC_021163.1	Ca_kabuli_chr04	27317265	CC	TT	1940290782
SNP_P1_67010_27317325	NC_021163.1	Ca_kabuli_chr04	27317325	CC	TT	1940290783
SNP_P1_67011_27317326	NC_021163.1	Ca_kabuli_chr04	27317326	AA	TT	1940290785
SNP_P1_67012_27317372	NC_021163.1	Ca_kabuli_chr04	27317372	AA	TT	1940290786
SNP_P1_67014_27317765	NC_021163.1	Ca_kabuli_chr04	27317765	CC	GG	1940290787
SNP_P1_67015_27318035	NC_021163.1	Ca_kabuli_chr04	27318035	AA	GG	1940290789
SNP_P1_67016_27318204	NC_021163.1	Ca_kabuli_chr04	27318204	TT	AA	1940290790
SNP_P1_67017_27318468	NC_021163.1	Ca_kabuli_chr04	27318468	GG	AA	1940290791
SNP_P1_67018_27318477	NC_021163.1	Ca_kabuli_chr04	27318477	AA	GG	1940290793
SNP_P1_67019_27318828	NC_021163.1	Ca_kabuli_chr04	27318828	GG	AA	1940290794
SNP_P1_67020_27319291	NC_021163.1	Ca_kabuli_chr04	27319291	GG	AA	1940290795
SNP_P1_67021_27319325	NC_021163.1	Ca_kabuli_chr04	27319325	GG	AA	1940290797
SNP_P1_67022_27319331	NC_021163.1	Ca_kabuli_chr04	27319331	AA	TT	1940290798
SNP_P1_67023_27319333	NC_021163.1	Ca_kabuli_chr04	27319333	CC	AA	1940290799
SNP_P1_67024_27319359	NC_021163.1	Ca_kabuli_chr04	27319359	TT	CC	1940290801
SNP_P1_67025_27319363	NC_021163.1	Ca_kabuli_chr04	27319363	AA	CC	1940290802
SNP_P1_67026_27319418	NC_021163.1	Ca_kabuli_chr04	27319418	AA	GG	1940290803
SNP_P1_67027_27319420	NC_021163.1	Ca_kabuli_chr04	27319420	GG	AA	1940290805
SNP_P1_67028_27322290	NC_021163.1	Ca_kabuli_chr04	27322290	CC	TT	1940290806
SNP_P1_67030_27322591	NC_021163.1	Ca_kabuli_chr04	27322591	AA	CC	1940290807
SNP_P1_67031_27322899	NC_021163.1	Ca_kabuli_chr04	27322899	GG	AA	1940290809
SNP_P1_67032_27322900	NC_021163.1	Ca_kabuli_chr04	27322900	TT	CC	1940290810
SNP_P1_67033_27322908	NC_021163.1	Ca_kabuli_chr04	27322908	AA	GG	1940290812
SNP_P1_67034_27322976	NC_021163.1	Ca_kabuli_chr04	27322976	CC	TT	1940290813
SNP_P1_67035_27322985	NC_021163.1	Ca_kabuli_chr04	27322985	CC	AA	1940290814
SNP_P1_67036_27323165	NC_021163.1	Ca_kabuli_chr04	27323165	TT	CC	1940290816
SNP_P1_67037_27323457	NC_021163.1	Ca_kabuli_chr04	27323457	AA	CC	1940290817
SNP_P1_67038_27323461	NC_021163.1	Ca_kabuli_chr04	27323461	TT	AA	1940290819
SNP_P1_67039_27323498	NC_021163.1	Ca_kabuli_chr04	27323498	CC	AA	1940290821
SNP_P1_67040_27323515	NC_021163.1	Ca_kabuli_chr04	27323515	GG	TT	1940290823
SNP_P1_67041_27323548	NC_021163.1	Ca_kabuli_chr04	27323548	AA	GG	1940290825
SNP_P1_67042_27323843	NC_021163.1	Ca_kabuli_chr04	27323843	AA	GG	1940290826
SNP_P1_67043_27323894	NC_021163.1	Ca_kabuli_chr04	27323894	TT	CC	1940290827
SNP_P1_67044_27323903	NC_021163.1	Ca_kabuli_chr04	27323903	AA	GG	1940290829
SNP_P1_67045_27324635	NC_021163.1	Ca_kabuli_chr04	27324635	TT	AA	1940290831

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67047_27325273	NC_021163.1	Ca_kabuli_chr04	27325273	TT	GG	1940290835
SNP_P1_67048_27325413	NC_021163.1	Ca_kabuli_chr04	27325413	CC	GG	1940290837
SNP_P1_67049_27325415	NC_021163.1	Ca_kabuli_chr04	27325415	GG	AA	1940290839
SNP_P1_67050_27326005	NC_021163.1	Ca_kabuli_chr04	27326005	TT	CC	1940290842
SNP_P1_67051_27326029	NC_021163.1	Ca_kabuli_chr04	27326029	GG	AA	1940290843
SNP_P1_67052_27326055	NC_021163.1	Ca_kabuli_chr04	27326055	GG	AA	1940290845
SNP_P1_67053_27328654	NC_021163.1	Ca_kabuli_chr04	27328654	CC	TT	1940290846
SNP_P1_67054_27328740	NC_021163.1	Ca_kabuli_chr04	27328740	GG	AA	1940290848
SNP_P1_67055_27329835	NC_021163.1	Ca_kabuli_chr04	27329835	CC	TT	1940290849
SNP_P1_67056_27329865	NC_021163.1	Ca_kabuli_chr04	27329865	TT	AA	1940290851
SNP_P1_67057_27330237	NC_021163.1	Ca_kabuli_chr04	27330237	TT	AA	1940290852
SNP_P1_67058_27331429	NC_021163.1	Ca_kabuli_chr04	27331429	CC	AA	1940290854
SNP_P1_67059_27331436	NC_021163.1	Ca_kabuli_chr04	27331436	GG	AA	1940290855
SNP_P1_67060_27331483	NC_021163.1	Ca_kabuli_chr04	27331483	GG	TT	1940290856
SNP_P1_67061_27331487	NC_021163.1	Ca_kabuli_chr04	27331487	TT	CC	1940290858
SNP_P1_67062_27331557	NC_021163.1	Ca_kabuli_chr04	27331557	AA	GG	1940290859
SNP_P1_67063_27331692	NC_021163.1	Ca_kabuli_chr04	27331692	TT	CC	1940290861
SNP_P1_67064_27331697	NC_021163.1	Ca_kabuli_chr04	27331697	TT	CC	1940290863
SNP_P1_67067_27331888	NC_021163.1	Ca_kabuli_chr04	27331888	GG	TT	1940290864
SNP_P1_67068_27331927	NC_021163.1	Ca_kabuli_chr04	27331927	CC	GG	1940290866
SNP_P1_67069_27331956	NC_021163.1	Ca_kabuli_chr04	27331956	TT	CC	1940290868
SNP_P1_67070_27332028	NC_021163.1	Ca_kabuli_chr04	27332028	AA	TT	1940290870
SNP_P1_67071_27332266	NC_021163.1	Ca_kabuli_chr04	27332266	GG	AA	1940290872
SNP_P1_67072_27332275	NC_021163.1	Ca_kabuli_chr04	27332275	GG	AA	1940290874
SNP_P1_67074_27333741	NC_021163.1	Ca_kabuli_chr04	27333741	CC	TT	1940290875
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SNP_P1_67077_27335768	NC_021163.1	Ca_kabuli_chr04	27335768	TT	CC	1940290879
SNP_P1_67078_27335793	NC_021163.1	Ca_kabuli_chr04	27335793	TT	CC	1940290881
SNP_P1_67079_27336004	NC_021163.1	Ca_kabuli_chr04	27336004	AA	CC	1940290883
SNP_P1_67080_27336031	NC_021163.1	Ca_kabuli_chr04	27336031	CC	GG	1940290885
SNP_P1_67081_27336044	NC_021163.1	Ca_kabuli_chr04	27336044	AA	GG	1940290887
SNP_P1_67082_27336052	NC_021163.1	Ca_kabuli_chr04	27336052	TT	AA	1940290889
SNP_P1_67083_27336075	NC_021163.1	Ca_kabuli_chr04	27336075	TT	AA	1940290890
SNP_P1_67084_27336091	NC_021163.1	Ca_kabuli_chr04	27336091	AA	GG	1940290892
SNP_P1_67085_27336102	NC_021163.1	Ca_kabuli_chr04	27336102	TT	CC	1940290894
SNP_P1_67086_27340551	NC_021163.1	Ca_kabuli_chr04	27340551	GG	TT	1940290895
SNP_P1_67087_27340739	NC_021163.1	Ca_kabuli_chr04	27340739	GG	TT	1940290897
SNP_P1_67088_27340903	NC_021163.1	Ca_kabuli_chr04	27340903	TT	AA	1940290899
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SNP_P1_67090_27340941	NC_021163.1	Ca_kabuli_chr04	27340941	GG	TT	1940290902
SNP_P1_67091_27347637	NC_021163.1	Ca_kabuli_chr04	27347637	TT	AA	1940290904

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67095_27348010	NC_021163.1	Ca_kabuli_chr04	27348010	CC	TT	1940290910
SNP_P1_67096_27348079	NC_021163.1	Ca_kabuli_chr04	27348079	CC	TT	1940290912
SNP_P1_67097_27350472	NC_021163.1	Ca_kabuli_chr04	27350472	TT	CC	1940290913
SNP_P1_67098_27350485	NC_021163.1	Ca_kabuli_chr04	27350485	TT	CC	1940290915
SNP_P1_67099_27350497	NC_021163.1	Ca_kabuli_chr04	27350497	TT	AA	1940290917
SNP_P1_67100_27350500	NC_021163.1	Ca_kabuli_chr04	27350500	CC	TT	1940290918
SNP_P1_67101_27350616	NC_021163.1	Ca_kabuli_chr04	27350616	TT	GG	1940290920
SNP_P1_67104_27350649	NC_021163.1	Ca_kabuli_chr04	27350649	AA	TT	1940290922
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SNP_P1_67107_27350806	NC_021163.1	Ca_kabuli_chr04	27350806	TT	CC	1940290927
SNP_P1_67108_27350852	NC_021163.1	Ca_kabuli_chr04	27350852	TT	CC	1940290928
SNP_P1_67109_27350883	NC_021163.1	Ca_kabuli_chr04	27350883	GG	AA	1940290930
SNP_P1_67110_27351178	NC_021163.1	Ca_kabuli_chr04	27351178	CC	TT	1940290931
SNP_P1_67111_27351285	NC_021163.1	Ca_kabuli_chr04	27351285	CC	TT	1940290933
SNP_P1_67112_27351714	NC_021163.1	Ca_kabuli_chr04	27351714	AA	GG	1940290935
SNP_P1_67113_27351761	NC_021163.1	Ca_kabuli_chr04	27351761	CC	GG	1940290936
SNP_P1_67114_27351766	NC_021163.1	Ca_kabuli_chr04	27351766	TT	CC	1940290938
SNP_P1_67115_27353046	NC_021163.1	Ca_kabuli_chr04	27353046	TT	CC	1940290940
SNP_P1_67116_27353048	NC_021163.1	Ca_kabuli_chr04	27353048	GG	TT	1940290941
SNP_P1_67117_27353348	NC_021163.1	Ca_kabuli_chr04	27353348	TT	CC	1940290943
SNP_P1_67118_27353691	NC_021163.1	Ca_kabuli_chr04	27353691	CC	AA	1940290945
SNP_P1_67119_27353908	NC_021163.1	Ca_kabuli_chr04	27353908	TT	CC	1940290946
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SNP_P1_67121_27353925	NC_021163.1	Ca_kabuli_chr04	27353925	CC	GG	1940290949
SNP_P1_67122_27354125	NC_021163.1	Ca_kabuli_chr04	27354125	AA	GG	1940290951
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SNP_P1_67124_27354359	NC_021163.1	Ca_kabuli_chr04	27354359	CC	TT	1940290954
SNP_P1_67125_27354366	NC_021163.1	Ca_kabuli_chr04	27354366	CC	TT	1940290956
SNP_P1_67126_27354386	NC_021163.1	Ca_kabuli_chr04	27354386	AA	GG	1940290958
SNP_P1_67127_27354426	NC_021163.1	Ca_kabuli_chr04	27354426	TT	AA	1940290959
SNP_P1_67128_27354431	NC_021163.1	Ca_kabuli_chr04	27354431	TT	AA	1940290961
SNP_P1_67129_27354461	NC_021163.1	Ca_kabuli_chr04	27354461	TT	AA	1940290963
SNP_P1_67130_27354462	NC_021163.1	Ca_kabuli_chr04	27354462	AA	GG	1940290964
SNP_P1_67131_27354476	NC_021163.1	Ca_kabuli_chr04	27354476	AA	GG	1940290966
SNP_P1_67132_27354649	NC_021163.1	Ca_kabuli_chr04	27354649	AA	CC	1940290968
SNP_P1_67133_27354712	NC_021163.1	Ca_kabuli_chr04	27354712	GG	AA	1940290969
SNP_P1_67135_27354727	NC_021163.1	Ca_kabuli_chr04	27354727	GG	AA	1940290971
SNP_P1_67136_27354795	NC_021163.1	Ca_kabuli_chr04	27354795	AA	TT	1940290973

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_67138_27355158	NC_021163.1	Ca_kabuli_chr04	27355158	AA	TT	1940290974
SNP_P1_67139_27355160	NC_021163.1	Ca_kabuli_chr04	27355160	GG	TT	1940290976
SNP_P1_67141_27355399	NC_021163.1	Ca_kabuli_chr04	27355399	CC	GG	1940290977
SNP_P1_67142_27355435	NC_021163.1	Ca_kabuli_chr04	27355435	TT	CC	1940290978
SNP_P1_67143_27355488	NC_021163.1	Ca_kabuli_chr04	27355488	CC	TT	1940290980
SNP_P1_67144_27355504	NC_021163.1	Ca_kabuli_chr04	27355504	CC	AA	1940290981
SNP_P1_67145_27355521	NC_021163.1	Ca_kabuli_chr04	27355521	TT	AA	1940290982
SNP_P1_67146_27356339	NC_021163.1	Ca_kabuli_chr04	27356339	GG	TT	1940290984
SNP_P1_67147_27356343	NC_021163.1	Ca_kabuli_chr04	27356343	TT	CC	1940290985
SNP_P1_67148_27356489	NC_021163.1	Ca_kabuli_chr04	27356489	GG	TT	1940290987
SNP_P1_67149_27356502	NC_021163.1	Ca_kabuli_chr04	27356502	CC	AA	1940290988
SNP_P1_67150_27356798	NC_021163.1	Ca_kabuli_chr04	27356798	AA	CC	1940290989
SNP_P1_67151_27356803	NC_021163.1	Ca_kabuli_chr04	27356803	AA	GG	1940290990
SNP_P1_67152_27357115	NC_021163.1	Ca_kabuli_chr04	27357115	AA	GG	1940290991
SNP_P1_67154_27357170	NC_021163.1	Ca_kabuli_chr04	27357170	AA	GG	1940290992
SNP_P1_67155_27357351	NC_021163.1	Ca_kabuli_chr04	27357351	TT	AA	1940290993
SNP_P1_67156_27360426	NC_021163.1	Ca_kabuli_chr04	27360426	TT	GG	1940290994
SNP_P1_67157_27362042	NC_021163.1	Ca_kabuli_chr04	27362042	TT	CC	1940290995
SNP_P1_67158_27362059	NC_021163.1	Ca_kabuli_chr04	27362059	TT	CC	1940290996
SNP_P1_67159_27362120	NC_021163.1	Ca_kabuli_chr04	27362120	AA	GG	1940290998
SNP_P1_67160_27362164	NC_021163.1	Ca_kabuli_chr04	27362164	AA	GG	1940290999
SNP_P1_67161_27362210	NC_021163.1	Ca_kabuli_chr04	27362210	CC	TT	1940291000
SNP_P1_67162_27362228	NC_021163.1	Ca_kabuli_chr04	27362228	AA	TT	1940291001
SNP_P1_67163_27362502	NC_021163.1	Ca_kabuli_chr04	27362502	AA	GG	1940291002
SNP_P1_67164_27362506	NC_021163.1	Ca_kabuli_chr04	27362506	CC	GG	1940291003
SNP_P1_67165_27362558	NC_021163.1	Ca_kabuli_chr04	27362558	AA	GG	1940291004
SNP_P1_67166_27364312	NC_021163.1	Ca_kabuli_chr04	27364312	AA	GG	1940291005
SNP_P1_67167_27364898	NC_021163.1	Ca_kabuli_chr04	27364898	AA	CC	1940291007
SNP_P1_67168_27364941	NC_021163.1	Ca_kabuli_chr04	27364941	AA	GG	1940291008
SNP_P1_67169_27364973	NC_021163.1	Ca_kabuli_chr04	27364973	CC	TT	1940291009
SNP_P1_67172_27365217	NC_021163.1	Ca_kabuli_chr04	27365217	CC	GG	1940291010
SNP_P1_67173_27365230	NC_021163.1	Ca_kabuli_chr04	27365230	TT	CC	1940291011
SNP_P1_67174_27365360	NC_021163.1	Ca_kabuli_chr04	27365360	TT	AA	1940291012
SNP_P1_67175_27366407	NC_021163.1	Ca_kabuli_chr04	27366407	AA	GG	1940291013
SNP_P1_67176_27366487	NC_021163.1	Ca_kabuli_chr04	27366487	TT	CC	1940291014
SNP_P1_67177_27366540	NC_021163.1	Ca_kabuli_chr04	27366540	GG	AA	1940291016
SNP_P1_67178_27366557	NC_021163.1	Ca_kabuli_chr04	27366557	AA	GG	1940291017
SNP_P1_67179_27366567	NC_021163.1	Ca_kabuli_chr04	27366567	CC	TT	1940291018
SNP_P1_67180_27366575	NC_021163.1	Ca_kabuli_chr04	27366575	AA	GG	1940291019
SNP_P1_67181_27366604	NC_021163.1	Ca_kabuli_chr04	27366604	TT	CC	1940291021
SNP_P1_67182_27366720	NC_021163.1	Ca_kabuli_chr04	27366720	GG	AA	1940291022
SNP_P1_67183_27366729	NC_021163.1	Ca_kabuli_chr04	27366729	TT	CC	1940291023

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67185_27367242	NC_021163.1	Ca_kabuli_chr04	27367242	TT	CC	1940291026
SNP_P1_67186_27367519	NC_021163.1	Ca_kabuli_chr04	27367519	GG	CC	1940291027
SNP_P1_67187_27367721	NC_021163.1	Ca_kabuli_chr04	27367721	CC	AA	1940291029
SNP_P1_67188_27367763	NC_021163.1	Ca_kabuli_chr04	27367763	AA	TT	1940291030
SNP_P1_67189_27367791	NC_021163.1	Ca_kabuli_chr04	27367791	GG	TT	1940291032
SNP_P1_67191_27367859	NC_021163.1	Ca_kabuli_chr04	27367859	AA	GG	1940291034
SNP_P1_67192_27368031	NC_021163.1	Ca_kabuli_chr04	27368031	AA	TT	1940291036
SNP_P1_67193_27368069	NC_021163.1	Ca_kabuli_chr04	27368069	AA	CC	1940291038
SNP_P1_67194_27368070	NC_021163.1	Ca_kabuli_chr04	27368070	AA	GG	1940291040
SNP_P1_67195_27368181	NC_021163.1	Ca_kabuli_chr04	27368181	AA	CC	1940291041
SNP_P1_67196_27368324	NC_021163.1	Ca_kabuli_chr04	27368324	AA	CC	1940291043
SNP_P1_67197_27368326	NC_021163.1	Ca_kabuli_chr04	27368326	CC	TT	1940291044
SNP_P1_67198_27368375	NC_021163.1	Ca_kabuli_chr04	27368375	TT	CC	1940291046
SNP_P1_67199_27368382	NC_021163.1	Ca_kabuli_chr04	27368382	GG	CC	1940291047
SNP_P1_67200_27368409	NC_021163.1	Ca_kabuli_chr04	27368409	CC	TT	1940291049
SNP_P1_67202_27368698	NC_021163.1	Ca_kabuli_chr04	27368698	TT	CC	1940291051
SNP_P1_67203_27368700	NC_021163.1	Ca_kabuli_chr04	27368700	AA	GG	1940291052
SNP_P1_67204_27368731	NC_021163.1	Ca_kabuli_chr04	27368731	GG	AA	1940291054
SNP_P1_67205_27368987	NC_021163.1	Ca_kabuli_chr04	27368987	TT	CC	1940291055
SNP_P1_67206_27369003	NC_021163.1	Ca_kabuli_chr04	27369003	AA	GG	1940291057
SNP_P1_67208_27369196	NC_021163.1	Ca_kabuli_chr04	27369196	GG	TT	1940291058
SNP_P1_67210_27375434	NC_021163.1	Ca_kabuli_chr04	27375434	GG	AA	1940291060
SNP_P1_67213_27377580	NC_021163.1	Ca_kabuli_chr04	27377580	CC	TT	1940291062
SNP_P1_67214_27377850	NC_021163.1	Ca_kabuli_chr04	27377850	TT	GG	1940291063
SNP_P1_67217_27380028	NC_021163.1	Ca_kabuli_chr04	27380028	TT	CC	1940291065
SNP_P1_67218_27380105	NC_021163.1	Ca_kabuli_chr04	27380105	AA	TT	1940291066
SNP_P1_67219_27380368	NC_021163.1	Ca_kabuli_chr04	27380368	TT	CC	1940291067
SNP_P1_67220_27380829	NC_021163.1	Ca_kabuli_chr04	27380829	AA	GG	1940291069
SNP_P1_67221_27380988	NC_021163.1	Ca_kabuli_chr04	27380988	AA	GG	1940291070
SNP_P1_67222_27381041	NC_021163.1	Ca_kabuli_chr04	27381041	CC	TT	1940291071
SNP_P1_67223_27381684	NC_021163.1	Ca_kabuli_chr04	27381684	TT	CC	1940291073
SNP_P1_67224_27381738	NC_021163.1	Ca_kabuli_chr04	27381738	GG	AA	1940291074
SNP_P1_67225_27383030	NC_021163.1	Ca_kabuli_chr04	27383030	GG	AA	1940291076
SNP_P1_67226_27383574	NC_021163.1	Ca_kabuli_chr04	27383574	GG	AA	1940291077
SNP_P1_67227_27383897	NC_021163.1	Ca_kabuli_chr04	27383897	AA	GG	1940291079
SNP_P1_67228_27383902	NC_021163.1	Ca_kabuli_chr04	27383902	CC	GG	1940291080
SNP_P1_67230_27383983	NC_021163.1	Ca_kabuli_chr04	27383983	GG	AA	1940291081
SNP_P1_67231_27384002	NC_021163.1	Ca_kabuli_chr04	27384002	AA	GG	1940291083
SNP_P1_67233_27385415	NC_021163.1	Ca_kabuli_chr04	27385415	TT	CC	1940291084
SNP_P1_67234_27386379	NC_021163.1	Ca_kabuli_chr04	27386379	TT	AA	1940291085
SNP_P1_67235_27386569	NC_021163.1	Ca_kabuli_chr04	27386569	GG	CC	1940291087

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67237_27388718	NC_021163.1	Ca_kabuli_chr04	27388718	AA	CC	1940291090
SNP_P1_67239_27388847	NC_021163.1	Ca_kabuli_chr04	27388847	AA	TT	1940291091
SNP_P1_67240_27389042	NC_021163.1	Ca_kabuli_chr04	27389042	GG	AA	1940291092
SNP_P1_67241_27389050	NC_021163.1	Ca_kabuli_chr04	27389050	AA	CC	1940291093
SNP_P1_67242_27389074	NC_021163.1	Ca_kabuli_chr04	27389074	TT	CC	1940291095
SNP_P1_67243_27389865	NC_021163.1	Ca_kabuli_chr04	27389865	GG	AA	1940291096
SNP_P1_67244_27389885	NC_021163.1	Ca_kabuli_chr04	27389885	GG	AA	1940291097
SNP_P1_67245_27389901	NC_021163.1	Ca_kabuli_chr04	27389901	CC	TT	1940291098
SNP_P1_67246_27390770	NC_021163.1	Ca_kabuli_chr04	27390770	TT	CC	1940291100
SNP_P1_67247_27394675	NC_021163.1	Ca_kabuli_chr04	27394675	AA	CC	1940291101
SNP_P1_67248_27394692	NC_021163.1	Ca_kabuli_chr04	27394692	AA	GG	1940291102
SNP_P1_67249_27394700	NC_021163.1	Ca_kabuli_chr04	27394700	AA	CC	1940291103
SNP_P1_67250_27395365	NC_021163.1	Ca_kabuli_chr04	27395365	TT	GG	1940291104
SNP_P1_67251_27395383	NC_021163.1	Ca_kabuli_chr04	27395383	TT	AA	1940291106
SNP_P1_67252_27395395	NC_021163.1	Ca_kabuli_chr04	27395395	AA	GG	1940291107
SNP_P1_67253_27395421	NC_021163.1	Ca_kabuli_chr04	27395421	GG	TT	1940291108
SNP_P1_67255_27395986	NC_021163.1	Ca_kabuli_chr04	27395986	TT	GG	1940291109
SNP_P1_67256_27396609	NC_021163.1	Ca_kabuli_chr04	27396609	GG	AA	1940291110
SNP_P1_67257_27397210	NC_021163.1	Ca_kabuli_chr04	27397210	CC	TT	1940291112
SNP_P1_67258_27397257	NC_021163.1	Ca_kabuli_chr04	27397257	AA	GG	1940291113
SNP_P1_67259_27397315	NC_021163.1	Ca_kabuli_chr04	27397315	GG	AA	1940291114
SNP_P1_67260_27397348	NC_021163.1	Ca_kabuli_chr04	27397348	CC	TT	1940291115
SNP_P1_67261_27397365	NC_021163.1	Ca_kabuli_chr04	27397365	GG	AA	1940291117
SNP_P1_67262_27397366	NC_021163.1	Ca_kabuli_chr04	27397366	AA	GG	1940291118
SNP_P1_67263_27397387	NC_021163.1	Ca_kabuli_chr04	27397387	AA	CC	1940291119
SNP_P1_67264_27397389	NC_021163.1	Ca_kabuli_chr04	27397389	CC	AA	1940291120
SNP_P1_67265_27397564	NC_021163.1	Ca_kabuli_chr04	27397564	TT	GG	1940291122
SNP_P1_67266_27397579	NC_021163.1	Ca_kabuli_chr04	27397579	TT	CC	1940291123
SNP_P1_67267_27398013	NC_021163.1	Ca_kabuli_chr04	27398013	CC	TT	1940291124
SNP_P1_67268_27398058	NC_021163.1	Ca_kabuli_chr04	27398058	GG	AA	1940291125
SNP_P1_67269_27398440	NC_021163.1	Ca_kabuli_chr04	27398440	AA	CC	1940291127
SNP_P1_67270_27398443	NC_021163.1	Ca_kabuli_chr04	27398443	AA	GG	1940291128
SNP_P1_67271_27398512	NC_021163.1	Ca_kabuli_chr04	27398512	GG	TT	1940291129
SNP_P1_67272_27398513	NC_021163.1	Ca_kabuli_chr04	27398513	CC	TT	1940291130
SNP_P1_67274_27398785	NC_021163.1	Ca_kabuli_chr04	27398785	TT	CC	1940291132
SNP_P1_67275_27398841	NC_021163.1	Ca_kabuli_chr04	27398841	TT	CC	1940291133
SNP_P1_67276_27398995	NC_021163.1	Ca_kabuli_chr04	27398995	TT	CC	1940291134
SNP_P1_67277_27398998	NC_021163.1	Ca_kabuli_chr04	27398998	GG	TT	1940291135
SNP_P1_67278_27399206	NC_021163.1	Ca_kabuli_chr04	27399206	TT	CC	1940291137
SNP_P1_67279_27399413	NC_021163.1	Ca_kabuli_chr04	27399413	CC	TT	1940291138
SNP_P1_67280_27399429	NC_021163.1	Ca_kabuli_chr04	27399429	TT	CC	1940291139

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67282_27400603	NC_021163.1	Ca_kabuli_chr04	27400603	CC	GG	1940291141
SNP_P1_67283_27401509	NC_021163.1	Ca_kabuli_chr04	27401509	CC	TT	1940291143
SNP_P1_67284_27402121	NC_021163.1	Ca_kabuli_chr04	27402121	AA	GG	1940291144
SNP_P1_67285_27402150	NC_021163.1	Ca_kabuli_chr04	27402150	TT	CC	1940291145
SNP_P1_67286_27402189	NC_021163.1	Ca_kabuli_chr04	27402189	GG	AA	1940291147
SNP_P1_67287_27402285	NC_021163.1	Ca_kabuli_chr04	27402285	AA	GG	1940291148
SNP_P1_67288_27402298	NC_021163.1	Ca_kabuli_chr04	27402298	GG	TT	1940291149
SNP_P1_67289_27402324	NC_021163.1	Ca_kabuli_chr04	27402324	TT	CC	1940291151
SNP_P1_67290_27402507	NC_021163.1	Ca_kabuli_chr04	27402507	TT	CC	1940291152
SNP_P1_67291_27402682	NC_021163.1	Ca_kabuli_chr04	27402682	GG	AA	1940291154
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SNP_P1_67293_27402736	NC_021163.1	Ca_kabuli_chr04	27402736	AA	TT	1940291157
SNP_P1_67294_27402806	NC_021163.1	Ca_kabuli_chr04	27402806	CC	TT	1940291158
SNP_P1_67296_27402882	NC_021163.1	Ca_kabuli_chr04	27402882	CC	GG	1940291159
SNP_P1_67297_27403145	NC_021163.1	Ca_kabuli_chr04	27403145	GG	AA	1940291161
SNP_P1_67299_27403244	NC_021163.1	Ca_kabuli_chr04	27403244	GG	AA	1940291163
SNP_P1_67301_27403405	NC_021163.1	Ca_kabuli_chr04	27403405	GG	AA	1940291164
SNP_P1_67302_27403448	NC_021163.1	Ca_kabuli_chr04	27403448	CC	AA	1940291165
SNP_P1_67303_27403563	NC_021163.1	Ca_kabuli_chr04	27403563	CC	TT	1940291167
SNP_P1_67304_27403708	NC_021163.1	Ca_kabuli_chr04	27403708	GG	AA	1940291168
SNP_P1_67305_27403850	NC_021163.1	Ca_kabuli_chr04	27403850	GG	AA	1940291170
SNP_P1_67306_27403886	NC_021163.1	Ca_kabuli_chr04	27403886	TT	CC	1940291172
SNP_P1_67307_27403986	NC_021163.1	Ca_kabuli_chr04	27403986	CC	TT	1940291174
SNP_P1_67308_27404158	NC_021163.1	Ca_kabuli_chr04	27404158	CC	AA	1940291176
SNP_P1_67309_27404252	NC_021163.1	Ca_kabuli_chr04	27404252	GG	CC	1940291178
SNP_P1_67310_27404828	NC_021163.1	Ca_kabuli_chr04	27404828	TT	CC	1940291179
SNP_P1_67311_27404900	NC_021163.1	Ca_kabuli_chr04	27404900	TT	CC	1940291181
SNP_P1_67312_27405574	NC_021163.1	Ca_kabuli_chr04	27405574	CC	TT	1940291183
SNP_P1_67315_27405724	NC_021163.1	Ca_kabuli_chr04	27405724	GG	CC	1940291184
SNP_P1_67316_27406078	NC_021163.1	Ca_kabuli_chr04	27406078	AA	GG	1940291186
SNP_P1_67317_27406100	NC_021163.1	Ca_kabuli_chr04	27406100	GG	AA	1940291188
SNP_P1_67318_27406103	NC_021163.1	Ca_kabuli_chr04	27406103	AA	CC	1940291189
SNP_P1_67319_27406136	NC_021163.1	Ca_kabuli_chr04	27406136	TT	CC	1940291191
SNP_P1_67321_27406437	NC_021163.1	Ca_kabuli_chr04	27406437	GG	AA	1940291192
SNP_P1_67322_27406452	NC_021163.1	Ca_kabuli_chr04	27406452	GG	AA	1940291194
SNP_P1_67324_27409393	NC_021163.1	Ca_kabuli_chr04	27409393	AA	TT	1940291196
SNP_P1_67325_27409569	NC_021163.1	Ca_kabuli_chr04	27409569	GG	AA	1940291197
SNP_P1_67327_27409913	NC_021163.1	Ca_kabuli_chr04	27409913	AA	CC	1940291199
SNP_P1_67328_27409941	NC_021163.1	Ca_kabuli_chr04	27409941	CC	TT	1940291201
SNP_P1_67329_27410826	NC_021163.1	Ca_kabuli_chr04	27410826	CC	TT	1940291202
SNP_P1_67330_27411168	NC_021163.1	Ca_kabuli_chr04	27411168	TT	AA	1940291204

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_67331_27412123	NC_021163.1	Ca_kabuli_chr04	27412123	GG	AA	1940291206
SNP_P1_67332_27412127	NC_021163.1	Ca_kabuli_chr04	27412127	GG	AA	1940291208
SNP_P1_67333_27417093	NC_021163.1	Ca_kabuli_chr04	27417093	CC	TT	1940291210
SNP_P1_67334_27417117	NC_021163.1	Ca_kabuli_chr04	27417117	GG	TT	1940291212
SNP_P1_67335_27417678	NC_021163.1	Ca_kabuli_chr04	27417678	GG	CC	1940291214
SNP_P1_67336_27417712	NC_021163.1	Ca_kabuli_chr04	27417712	AA	GG	1940291217
SNP_P1_67337_27417918	NC_021163.1	Ca_kabuli_chr04	27417918	AA	GG	1940291219
SNP_P1_67338_27418252	NC_021163.1	Ca_kabuli_chr04	27418252	GG	AA	1940291221
SNP_P1_67339_27418255	NC_021163.1	Ca_kabuli_chr04	27418255	AA	CC	1940291223
SNP_P1_67340_27418274	NC_021163.1	Ca_kabuli_chr04	27418274	AA	GG	1940291225
SNP_P1_67341_27418287	NC_021163.1	Ca_kabuli_chr04	27418287	CC	TT	1940291227
SNP_P1_67342_27418288	NC_021163.1	Ca_kabuli_chr04	27418288	GG	CC	1940291229
SNP_P1_67343_27418289	NC_021163.1	Ca_kabuli_chr04	27418289	CC	TT	1940291231
SNP_P1_67344_27419449	NC_021163.1	Ca_kabuli_chr04	27419449	CC	TT	1940291232
SNP_P1_67345_27419450	NC_021163.1	Ca_kabuli_chr04	27419450	AA	GG	1940291235
SNP_P1_67346_27419865	NC_021163.1	Ca_kabuli_chr04	27419865	GG	AA	1940291237
SNP_P1_67347_27420121	NC_021163.1	Ca_kabuli_chr04	27420121	GG	AA	1940291238
SNP_P1_67348_27420123	NC_021163.1	Ca_kabuli_chr04	27420123	GG	AA	1940291241
SNP_P1_67349_27420145	NC_021163.1	Ca_kabuli_chr04	27420145	CC	TT	1940291243
SNP_P1_67350_27420158	NC_021163.1	Ca_kabuli_chr04	27420158	CC	TT	1940291245
SNP_P1_67351_27420160	NC_021163.1	Ca_kabuli_chr04	27420160	TT	CC	1940291247
SNP_P1_67352_27420171	NC_021163.1	Ca_kabuli_chr04	27420171	GG	AA	1940291249
SNP_P1_67353_27420376	NC_021163.1	Ca_kabuli_chr04	27420376	TT	CC	1940291252
SNP_P1_67354_27420389	NC_021163.1	Ca_kabuli_chr04	27420389	TT	CC	1940291254
SNP_P1_67355_27420410	NC_021163.1	Ca_kabuli_chr04	27420410	AA	CC	1940291256
SNP_P1_67356_27420423	NC_021163.1	Ca_kabuli_chr04	27420423	CC	GG	1940291258
SNP_P1_67357_27420735	NC_021163.1	Ca_kabuli_chr04	27420735	TT	CC	1940291261
SNP_P1_67358_27421622	NC_021163.1	Ca_kabuli_chr04	27421622	CC	AA	1940291264
SNP_P1_67359_27421627	NC_021163.1	Ca_kabuli_chr04	27421627	TT	CC	1940291267
SNP_P1_67360_27421640	NC_021163.1	Ca_kabuli_chr04	27421640	TT	GG	1940291269
SNP_P1_67361_27422375	NC_021163.1	Ca_kabuli_chr04	27422375	CC	TT	1940291270
SNP_P1_67362_27423124	NC_021163.1	Ca_kabuli_chr04	27423124	CC	TT	1940291272
SNP_P1_67363_27423528	NC_021163.1	Ca_kabuli_chr04	27423528	TT	CC	1940291275
SNP_P1_67364_27423857	NC_021163.1	Ca_kabuli_chr04	27423857	GG	CC	1940291279
SNP_P1_67365_27423887	NC_021163.1	Ca_kabuli_chr04	27423887	AA	GG	1940291282
SNP_P1_67366_27423936	NC_021163.1	Ca_kabuli_chr04	27423936	AA	GG	1940291286
SNP_P1_67367_27424079	NC_021163.1	Ca_kabuli_chr04	27424079	TT	GG	1940291290
SNP_P1_67368_27424209	NC_021163.1	Ca_kabuli_chr04	27424209	CC	TT	1940291294
SNP_P1_67369_27424280	NC_021163.1	Ca_kabuli_chr04	27424280	CC	TT	1940291298
SNP_P1_67370_27424306	NC_021163.1	Ca_kabuli_chr04	27424306	AA	GG	1940291303
SNP_P1_67371_27424658	NC_021163.1	Ca_kabuli_chr04	27424658	CC	TT	1940291309
SNP_P1_67372_27426806	NC_021163.1	Ca_kabuli_chr04	27426806	AA	GG	1940291314

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67374_27427230	NC_021163.1	Ca_kabuli_chr04	27427230	GG	AA	1940291318
SNP_P1_67375_27431093	NC_021163.1	Ca_kabuli_chr04	27431093	GG	TT	1940291320
SNP_P1_67376_27431863	NC_021163.1	Ca_kabuli_chr04	27431863	AA	TT	1940291322
SNP_P1_67377_27431870	NC_021163.1	Ca_kabuli_chr04	27431870	CC	TT	1940291324
SNP_P1_67378_27431884	NC_021163.1	Ca_kabuli_chr04	27431884	GG	TT	1940291325
SNP_P1_67379_27432908	NC_021163.1	Ca_kabuli_chr04	27432908	TT	CC	1940291327
SNP_P1_67380_27432910	NC_021163.1	Ca_kabuli_chr04	27432910	TT	CC	1940291329
SNP_P1_67381_27432912	NC_021163.1	Ca_kabuli_chr04	27432912	GG	TT	1940291330
SNP_P1_67382_27432914	NC_021163.1	Ca_kabuli_chr04	27432914	AA	GG	1940291332
SNP_P1_67383_27433440	NC_021163.1	Ca_kabuli_chr04	27433440	TT	AA	1940291335
SNP_P1_67384_27433796	NC_021163.1	Ca_kabuli_chr04	27433796	GG	AA	1940291336
SNP_P1_67385_27433805	NC_021163.1	Ca_kabuli_chr04	27433805	GG	AA	1940291338
SNP_P1_67386_27433835	NC_021163.1	Ca_kabuli_chr04	27433835	CC	AA	1940291341
SNP_P1_67387_27433851	NC_021163.1	Ca_kabuli_chr04	27433851	CC	GG	1940291343
SNP_P1_67388_27433857	NC_021163.1	Ca_kabuli_chr04	27433857	TT	AA	1940291344
SNP_P1_67389_27433888	NC_021163.1	Ca_kabuli_chr04	27433888	TT	CC	1940291346
SNP_P1_67390_27433923	NC_021163.1	Ca_kabuli_chr04	27433923	CC	TT	1940291347
SNP_P1_67391_27434774	NC_021163.1	Ca_kabuli_chr04	27434774	TT	AA	1940291349
SNP_P1_67392_27434784	NC_021163.1	Ca_kabuli_chr04	27434784	TT	CC	1940291350
SNP_P1_67393_27434972	NC_021163.1	Ca_kabuli_chr04	27434972	TT	GG	1940291352
SNP_P1_67394_27435340	NC_021163.1	Ca_kabuli_chr04	27435340	AA	GG	1940291354
SNP_P1_67395_27436452	NC_021163.1	Ca_kabuli_chr04	27436452	AA	GG	1940291356
SNP_P1_67396_27436486	NC_021163.1	Ca_kabuli_chr04	27436486	CC	TT	1940291358
SNP_P1_67397_27436776	NC_021163.1	Ca_kabuli_chr04	27436776	AA	TT	1940291360
SNP_P1_67398_27437060	NC_021163.1	Ca_kabuli_chr04	27437060	GG	AA	1940291362
SNP_P1_67399_27440475	NC_021163.1	Ca_kabuli_chr04	27440475	GG	AA	1940291364
SNP_P1_67400_27440687	NC_021163.1	Ca_kabuli_chr04	27440687	GG	AA	1940291366
SNP_P1_67401_27440692	NC_021163.1	Ca_kabuli_chr04	27440692	TT	CC	1940291368
SNP_P1_67402_27440693	NC_021163.1	Ca_kabuli_chr04	27440693	AA	CC	1940291370
SNP_P1_67403_27441019	NC_021163.1	Ca_kabuli_chr04	27441019	AA	TT	1940291372
SNP_P1_67404_27442718	NC_021163.1	Ca_kabuli_chr04	27442718	AA	GG	1940291374
SNP_P1_67405_27445452	NC_021163.1	Ca_kabuli_chr04	27445452	GG	CC	1940291376
SNP_P1_67406_27445500	NC_021163.1	Ca_kabuli_chr04	27445500	GG	AA	1940291378
SNP_P1_67407_27445530	NC_021163.1	Ca_kabuli_chr04	27445530	AA	TT	1940291380
SNP_P1_67408_27445699	NC_021163.1	Ca_kabuli_chr04	27445699	AA	GG	1940291381
SNP_P1_67409_27445735	NC_021163.1	Ca_kabuli_chr04	27445735	GG	AA	1940291383
SNP_P1_67411_27474015	NC_021163.1	Ca_kabuli_chr04	27474015	CC	TT	1940291385
SNP_P1_67413_27477286	NC_021163.1	Ca_kabuli_chr04	27477286	AA	CC	1940291386
SNP_P1_67414_27478446	NC_021163.1	Ca_kabuli_chr04	27478446	AA	GG	1940291388
SNP_P1_67415_27478556	NC_021163.1	Ca_kabuli_chr04	27478556	TT	CC	1940291389
SNP_P1_67416_27478717	NC_021163.1	Ca_kabuli_chr04	27478717	AA	GG	1940291391

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67418_27481233	NC_021163.1	Ca_kabuli_chr04	27481233	AA	GG	1940291395
SNP_P1_67419_27481545	NC_021163.1	Ca_kabuli_chr04	27481545	TT	CC	1940291396
SNP_P1_67420_27481551	NC_021163.1	Ca_kabuli_chr04	27481551	CC	GG	1940291399
SNP_P1_67421_27481599	NC_021163.1	Ca_kabuli_chr04	27481599	CC	TT	1940291401
SNP_P1_67422_27481605	NC_021163.1	Ca_kabuli_chr04	27481605	GG	AA	1940291403
SNP_P1_67423_27481607	NC_021163.1	Ca_kabuli_chr04	27481607	AA	TT	1940291405
SNP_P1_67424_27481613	NC_021163.1	Ca_kabuli_chr04	27481613	AA	TT	1940291407
SNP_P1_67425_27481643	NC_021163.1	Ca_kabuli_chr04	27481643	CC	TT	1940291408
SNP_P1_67426_27481653	NC_021163.1	Ca_kabuli_chr04	27481653	AA	TT	1940291410
SNP_P1_67427_27481840	NC_021163.1	Ca_kabuli_chr04	27481840	GG	AA	1940291412
SNP_P1_67428_27481856	NC_021163.1	Ca_kabuli_chr04	27481856	CC	TT	1940291414
SNP_P1_67429_27481863	NC_021163.1	Ca_kabuli_chr04	27481863	TT	AA	1940291416
SNP_P1_67430_27481867	NC_021163.1	Ca_kabuli_chr04	27481867	GG	AA	1940291419
SNP_P1_67431_27481877	NC_021163.1	Ca_kabuli_chr04	27481877	TT	CC	1940291421
SNP_P1_67432_27481891	NC_021163.1	Ca_kabuli_chr04	27481891	TT	CC	1940291423
SNP_P1_67433_27481900	NC_021163.1	Ca_kabuli_chr04	27481900	CC	TT	1940291425
SNP_P1_67434_27481901	NC_021163.1	Ca_kabuli_chr04	27481901	CC	TT	1940291427
SNP_P1_67435_27481916	NC_021163.1	Ca_kabuli_chr04	27481916	GG	AA	1940291430
SNP_P1_67436_27481931	NC_021163.1	Ca_kabuli_chr04	27481931	AA	CC	1940291431
SNP_P1_67437_27481942	NC_021163.1	Ca_kabuli_chr04	27481942	CC	AA	1940291433
SNP_P1_67438_27481966	NC_021163.1	Ca_kabuli_chr04	27481966	GG	TT	1940291435
SNP_P1_67439_27482011	NC_021163.1	Ca_kabuli_chr04	27482011	GG	AA	1940291436
SNP_P1_67440_27482382	NC_021163.1	Ca_kabuli_chr04	27482382	TT	CC	1940291438
SNP_P1_67442_27484314	NC_021163.1	Ca_kabuli_chr04	27484314	TT	AA	1940291439
SNP_P1_67443_27484380	NC_021163.1	Ca_kabuli_chr04	27484380	GG	AA	1940291441
SNP_P1_67444_27484439	NC_021163.1	Ca_kabuli_chr04	27484439	AA	GG	1940291443
SNP_P1_67445_27484467	NC_021163.1	Ca_kabuli_chr04	27484467	CC	TT	1940291444
SNP_P1_67446_27487288	NC_021163.1	Ca_kabuli_chr04	27487288	AA	GG	1940291447
SNP_P1_67447_27487334	NC_021163.1	Ca_kabuli_chr04	27487334	TT	CC	1940291449
SNP_P1_67448_27487378	NC_021163.1	Ca_kabuli_chr04	27487378	TT	GG	1940291450
SNP_P1_67449_27487413	NC_021163.1	Ca_kabuli_chr04	27487413	AA	TT	1940291452
SNP_P1_67450_27487418	NC_021163.1	Ca_kabuli_chr04	27487418	TT	CC	1940291453
SNP_P1_67451_27487442	NC_021163.1	Ca_kabuli_chr04	27487442	AA	CC	1940291455
SNP_P1_67453_27491829	NC_021163.1	Ca_kabuli_chr04	27491829	TT	AA	1940291456
SNP_P1_67455_27491879	NC_021163.1	Ca_kabuli_chr04	27491879	GG	AA	1940291458
SNP_P1_67456_27491972	NC_021163.1	Ca_kabuli_chr04	27491972	GG	TT	1940291459
SNP_P1_67457_27493403	NC_021163.1	Ca_kabuli_chr04	27493403	TT	AA	1940291461
SNP_P1_67458_27494064	NC_021163.1	Ca_kabuli_chr04	27494064	AA	CC	1940291463
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SNP_P1_67460_27496381	NC_021163.1	Ca_kabuli_chr04	27496381	GG	CC	1940291467
SNP_P1_67462_27497443	NC_021163.1	Ca_kabuli_chr04	27497443	GG	CC	1940291469

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67464_27498316	NC_021163.1	Ca_kabuli_chr04	27498316	AA	GG	1940291472
SNP_P1_67465_27498604	NC_021163.1	Ca_kabuli_chr04	27498604	TT	CC	1940291474
SNP_P1_67466_27498724	NC_021163.1	Ca_kabuli_chr04	27498724	AA	GG	1940291476
SNP_P1_67468_27499387	NC_021163.1	Ca_kabuli_chr04	27499387	TT	AA	1940291478
SNP_P1_67469_27499408	NC_021163.1	Ca_kabuli_chr04	27499408	TT	CC	1940291480
SNP_P1_67470_27499561	NC_021163.1	Ca_kabuli_chr04	27499561	CC	GG	1940291483
SNP_P1_67471_27499576	NC_021163.1	Ca_kabuli_chr04	27499576	GG	AA	1940291485
SNP_P1_67472_27499760	NC_021163.1	Ca_kabuli_chr04	27499760	GG	AA	1940291487
SNP_P1_67473_27499805	NC_021163.1	Ca_kabuli_chr04	27499805	TT	AA	1940291489
SNP_P1_67474_27499827	NC_021163.1	Ca_kabuli_chr04	27499827	CC	TT	1940291491
SNP_P1_67475_27500872	NC_021163.1	Ca_kabuli_chr04	27500872	GG	AA	1940291493
SNP_P1_67476_27503210	NC_021163.1	Ca_kabuli_chr04	27503210	CC	GG	1940291495
SNP_P1_67478_27503309	NC_021163.1	Ca_kabuli_chr04	27503309	CC	AA	1940291497
SNP_P1_67479_27503329	NC_021163.1	Ca_kabuli_chr04	27503329	TT	GG	1940291499
SNP_P1_67480_27503345	NC_021163.1	Ca_kabuli_chr04	27503345	AA	GG	1940291501
SNP_P1_67481_27503548	NC_021163.1	Ca_kabuli_chr04	27503548	CC	GG	1940291504
SNP_P1_67482_27504826	NC_021163.1	Ca_kabuli_chr04	27504826	TT	CC	1940291506
SNP_P1_67483_27505639	NC_021163.1	Ca_kabuli_chr04	27505639	CC	TT	1940291508
SNP_P1_67484_27505955	NC_021163.1	Ca_kabuli_chr04	27505955	AA	GG	1940291510
SNP_P1_67485_27506013	NC_021163.1	Ca_kabuli_chr04	27506013	TT	GG	1940291512
SNP_P1_67487_27506357	NC_021163.1	Ca_kabuli_chr04	27506357	TT	CC	1940291514
SNP_P1_67488_27506371	NC_021163.1	Ca_kabuli_chr04	27506371	AA	GG	1940291516
SNP_P1_67489_27506590	NC_021163.1	Ca_kabuli_chr04	27506590	GG	AA	1940291519
SNP_P1_67490_27506612	NC_021163.1	Ca_kabuli_chr04	27506612	AA	GG	1940291521
SNP_P1_67491_27506716	NC_021163.1	Ca_kabuli_chr04	27506716	AA	GG	1940291524
SNP_P1_67492_27506907	NC_021163.1	Ca_kabuli_chr04	27506907	AA	GG	1940291527
SNP_P1_67493_27506990	NC_021163.1	Ca_kabuli_chr04	27506990	TT	AA	1940291532
SNP_P1_67494_27507006	NC_021163.1	Ca_kabuli_chr04	27507006	TT	CC	1940291538
SNP_P1_67495_27507196	NC_021163.1	Ca_kabuli_chr04	27507196	AA	GG	1940291543
SNP_P1_67497_27509182	NC_021163.1	Ca_kabuli_chr04	27509182	AA	GG	1940291549
SNP_P1_67498_27509357	NC_021163.1	Ca_kabuli_chr04	27509357	AA	GG	1940291553
SNP_P1_67499_27509525	NC_021163.1	Ca_kabuli_chr04	27509525	AA	TT	1940291557
SNP_P1_67500_27509830	NC_021163.1	Ca_kabuli_chr04	27509830	GG	AA	1940291562
SNP_P1_67501_27509849	NC_021163.1	Ca_kabuli_chr04	27509849	TT	GG	1940291566
SNP_P1_67502_27509887	NC_021163.1	Ca_kabuli_chr04	27509887	TT	CC	1940291570
SNP_P1_67503_27509911	NC_021163.1	Ca_kabuli_chr04	27509911	CC	AA	1940291575
SNP_P1_67504_27511009	NC_021163.1	Ca_kabuli_chr04	27511009	GG	AA	1940291579
SNP_P1_67505_27511014	NC_021163.1	Ca_kabuli_chr04	27511014	CC	TT	1940291582
SNP_P1_67506_27511017	NC_021163.1	Ca_kabuli_chr04	27511017	TT	CC	1940291586
SNP_P1_67507_27511022	NC_021163.1	Ca_kabuli_chr04	27511022	GG	AA	1940291590
SNP_P1_67508_27511039	NC_021163.1	Ca_kabuli_chr04	27511039	TT	CC	1940291594

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67510_27511078	NC_021163.1	Ca_kabuli_chr04	27511078	TT	AA	1940291599
SNP_P1_67511_27511081	NC_021163.1	Ca_kabuli_chr04	27511081	CC	TT	1940291601
SNP_P1_67512_27511671	NC_021163.1	Ca_kabuli_chr04	27511671	CC	GG	1940291604
SNP_P1_67513_27512129	NC_021163.1	Ca_kabuli_chr04	27512129	AA	GG	1940291606
SNP_P1_67514_27512358	NC_021163.1	Ca_kabuli_chr04	27512358	TT	GG	1940291609
SNP_P1_67516_27512648	NC_021163.1	Ca_kabuli_chr04	27512648	TT	CC	1940291611
SNP_P1_67517_27512684	NC_021163.1	Ca_kabuli_chr04	27512684	CC	TT	1940291614
SNP_P1_67518_27512703	NC_021163.1	Ca_kabuli_chr04	27512703	TT	CC	1940291616
SNP_P1_67519_27512846	NC_021163.1	Ca_kabuli_chr04	27512846	GG	TT	1940291619
SNP_P1_67522_27513939	NC_021163.1	Ca_kabuli_chr04	27513939	GG	AA	1940291621
SNP_P1_67523_27513960	NC_021163.1	Ca_kabuli_chr04	27513960	GG	AA	1940291623
SNP_P1_67524_27513962	NC_021163.1	Ca_kabuli_chr04	27513962	TT	CC	1940291627
SNP_P1_67525_27513982	NC_021163.1	Ca_kabuli_chr04	27513982	AA	GG	1940291629
SNP_P1_67526_27514300	NC_021163.1	Ca_kabuli_chr04	27514300	CC	TT	1940291631
SNP_P1_67528_27515699	NC_021163.1	Ca_kabuli_chr04	27515699	AA	GG	1940291634
SNP_P1_67529_27517310	NC_021163.1	Ca_kabuli_chr04	27517310	CC	TT	1940291637
SNP_P1_67530_27519188	NC_021163.1	Ca_kabuli_chr04	27519188	AA	TT	1940291639
SNP_P1_67531_27520507	NC_021163.1	Ca_kabuli_chr04	27520507	CC	AA	1940291641
SNP_P1_67532_27522754	NC_021163.1	Ca_kabuli_chr04	27522754	CC	TT	1940291642
SNP_P1_67533_27523018	NC_021163.1	Ca_kabuli_chr04	27523018	AA	GG	1940291644
SNP_P1_67535_27523296	NC_021163.1	Ca_kabuli_chr04	27523296	GG	AA	1940291645
SNP_P1_67536_27524290	NC_021163.1	Ca_kabuli_chr04	27524290	GG	AA	1940291647
SNP_P1_67538_27530375	NC_021163.1	Ca_kabuli_chr04	27530375	CC	AA	1940291649
SNP_P1_67540_27531060	NC_021163.1	Ca_kabuli_chr04	27531060	TT	CC	1940291650
SNP_P1_67541_27532701	NC_021163.1	Ca_kabuli_chr04	27532701	TT	AA	1940291652
SNP_P1_67542_27536047	NC_021163.1	Ca_kabuli_chr04	27536047	GG	AA	1940291654
SNP_P1_67543_27536778	NC_021163.1	Ca_kabuli_chr04	27536778	GG	TT	1940291655
SNP_P1_67545_27540062	NC_021163.1	Ca_kabuli_chr04	27540062	TT	AA	1940291657
SNP_P1_67546_27540625	NC_021163.1	Ca_kabuli_chr04	27540625	TT	CC	1940291658
SNP_P1_67547_27545163	NC_021163.1	Ca_kabuli_chr04	27545163	AA	CC	1940291660
SNP_P1_67548_27545195	NC_021163.1	Ca_kabuli_chr04	27545195	AA	CC	1940291662
SNP_P1_67549_27545196	NC_021163.1	Ca_kabuli_chr04	27545196	TT	CC	1940291663
SNP_P1_67550_27545242	NC_021163.1	Ca_kabuli_chr04	27545242	CC	TT	1940291665
SNP_P1_67551_27545247	NC_021163.1	Ca_kabuli_chr04	27545247	CC	TT	1940291667
SNP_P1_67552_27545535	NC_021163.1	Ca_kabuli_chr04	27545535	AA	GG	1940291668
SNP_P1_67553_27545541	NC_021163.1	Ca_kabuli_chr04	27545541	TT	GG	1940291670
SNP_P1_67554_27545546	NC_021163.1	Ca_kabuli_chr04	27545546	TT	AA	1940291671
SNP_P1_67555_27545558	NC_021163.1	Ca_kabuli_chr04	27545558	CC	TT	1940291673
SNP_P1_67556_27547028	NC_021163.1	Ca_kabuli_chr04	27547028	GG	AA	1940291675
SNP_P1_67557_27547065	NC_021163.1	Ca_kabuli_chr04	27547065	AA	GG	1940291676
SNP_P1_67558_27547321	NC_021163.1	Ca_kabuli_chr04	27547321	AA	TT	1940291678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67561_27547780	NC_021163.1	Ca_kabuli_chr04	27547780	AA	GG	1940291681
SNP_P1_67562_27547900	NC_021163.1	Ca_kabuli_chr04	27547900	AA	CC	1940291683
SNP_P1_67563_27547906	NC_021163.1	Ca_kabuli_chr04	27547906	CC	AA	1940291684
SNP_P1_67564_27547995	NC_021163.1	Ca_kabuli_chr04	27547995	AA	TT	1940291686
SNP_P1_67565_27548036	NC_021163.1	Ca_kabuli_chr04	27548036	AA	GG	1940291688
SNP_P1_67566_27548728	NC_021163.1	Ca_kabuli_chr04	27548728	GG	AA	1940291689
SNP_P1_67568_27548872	NC_021163.1	Ca_kabuli_chr04	27548872	CC	AA	1940291691
SNP_P1_67569_27549091	NC_021163.1	Ca_kabuli_chr04	27549091	GG	AA	1940291693
SNP_P1_67570_27549284	NC_021163.1	Ca_kabuli_chr04	27549284	AA	GG	1940291694
SNP_P1_67571_27549544	NC_021163.1	Ca_kabuli_chr04	27549544	CC	GG	1940291696
SNP_P1_67572_27551355	NC_021163.1	Ca_kabuli_chr04	27551355	GG	AA	1940291697
SNP_P1_67573_27552603	NC_021163.1	Ca_kabuli_chr04	27552603	TT	CC	1940291699
SNP_P1_67574_27554405	NC_021163.1	Ca_kabuli_chr04	27554405	TT	CC	1940291701
SNP_P1_67575_27554408	NC_021163.1	Ca_kabuli_chr04	27554408	TT	CC	1940291702
SNP_P1_67576_27554412	NC_021163.1	Ca_kabuli_chr04	27554412	AA	GG	1940291704
SNP_P1_67577_27554429	NC_021163.1	Ca_kabuli_chr04	27554429	TT	CC	1940291706
SNP_P1_67578_27554465	NC_021163.1	Ca_kabuli_chr04	27554465	CC	TT	1940291707
SNP_P1_67579_27554548	NC_021163.1	Ca_kabuli_chr04	27554548	AA	GG	1940291709
SNP_P1_67580_27554549	NC_021163.1	Ca_kabuli_chr04	27554549	AA	GG	1940291711
SNP_P1_67581_27554559	NC_021163.1	Ca_kabuli_chr04	27554559	AA	GG	1940291712
SNP_P1_67582_27554579	NC_021163.1	Ca_kabuli_chr04	27554579	AA	GG	1940291714
SNP_P1_67584_27554669	NC_021163.1	Ca_kabuli_chr04	27554669	GG	TT	1940291715
SNP_P1_67585_27554675	NC_021163.1	Ca_kabuli_chr04	27554675	AA	GG	1940291717
SNP_P1_67586_27554681	NC_021163.1	Ca_kabuli_chr04	27554681	TT	CC	1940291719
SNP_P1_67587_27554705	NC_021163.1	Ca_kabuli_chr04	27554705	TT	CC	1940291720
SNP_P1_67588_27554831	NC_021163.1	Ca_kabuli_chr04	27554831	TT	CC	1940291722
SNP_P1_67589_27554913	NC_021163.1	Ca_kabuli_chr04	27554913	GG	TT	1940291723
SNP_P1_67590_27554945	NC_021163.1	Ca_kabuli_chr04	27554945	AA	TT	1940291725
SNP_P1_67591_27554975	NC_021163.1	Ca_kabuli_chr04	27554975	AA	GG	1940291727
SNP_P1_67592_27555533	NC_021163.1	Ca_kabuli_chr04	27555533	TT	GG	1940291728
SNP_P1_67593_27555581	NC_021163.1	Ca_kabuli_chr04	27555581	TT	CC	1940291730
SNP_P1_67594_27555609	NC_021163.1	Ca_kabuli_chr04	27555609	AA	GG	1940291732
SNP_P1_67595_27555664	NC_021163.1	Ca_kabuli_chr04	27555664	CC	AA	1940291733
SNP_P1_67596_27555861	NC_021163.1	Ca_kabuli_chr04	27555861	AA	TT	1940291735
SNP_P1_67597_27555866	NC_021163.1	Ca_kabuli_chr04	27555866	GG	TT	1940291736
SNP_P1_67598_27555871	NC_021163.1	Ca_kabuli_chr04	27555871	AA	TT	1940291738
SNP_P1_67599_27558072	NC_021163.1	Ca_kabuli_chr04	27558072	TT	CC	1940291740
SNP_P1_67600_27558181	NC_021163.1	Ca_kabuli_chr04	27558181	GG	AA	1940291741
SNP_P1_67601_27559367	NC_021163.1	Ca_kabuli_chr04	27559367	CC	AA	1940291743
SNP_P1_67602_27559369	NC_021163.1	Ca_kabuli_chr04	27559369	GG	AA	1940291745
SNP_P1_67603_27559582	NC_021163.1	Ca_kabuli_chr04	27559582	TT	CC	1940291746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67605_27561737	NC_021163.1	Ca_kabuli_chr04	27561737	GG	AA	1940291750
SNP_P1_67606_27562427	NC_021163.1	Ca_kabuli_chr04	27562427	TT	CC	1940291751
SNP_P1_67608_27562545	NC_021163.1	Ca_kabuli_chr04	27562545	CC	TT	1940291753
SNP_P1_67609_27562729	NC_021163.1	Ca_kabuli_chr04	27562729	TT	GG	1940291754
SNP_P1_67610_27564283	NC_021163.1	Ca_kabuli_chr04	27564283	AA	GG	1940291756
SNP_P1_67611_27565132	NC_021163.1	Ca_kabuli_chr04	27565132	CC	TT	1940291758
SNP_P1_67612_27565666	NC_021163.1	Ca_kabuli_chr04	27565666	CC	AA	1940291759
SNP_P1_67613_27567843	NC_021163.1	Ca_kabuli_chr04	27567843	CC	TT	1940291761
SNP_P1_67614_27570655	NC_021163.1	Ca_kabuli_chr04	27570655	CC	TT	1940291763
SNP_P1_67615_27571007	NC_021163.1	Ca_kabuli_chr04	27571007	AA	CC	1940291764
SNP_P1_67616_27571161	NC_021163.1	Ca_kabuli_chr04	27571161	GG	AA	1940291766
SNP_P1_67617_27571556	NC_021163.1	Ca_kabuli_chr04	27571556	TT	CC	1940291768
SNP_P1_67618_27572705	NC_021163.1	Ca_kabuli_chr04	27572705	TT	GG	1940291769
SNP_P1_67619_27573950	NC_021163.1	Ca_kabuli_chr04	27573950	CC	TT	1940291771
SNP_P1_67621_27575781	NC_021163.1	Ca_kabuli_chr04	27575781	AA	GG	1940291772
SNP_P1_67623_27577096	NC_021163.1	Ca_kabuli_chr04	27577096	GG	AA	1940291774
SNP_P1_67624_27577513	NC_021163.1	Ca_kabuli_chr04	27577513	AA	CC	1940291776
SNP_P1_67625_27579091	NC_021163.1	Ca_kabuli_chr04	27579091	CC	TT	1940291777
SNP_P1_67626_27579444	NC_021163.1	Ca_kabuli_chr04	27579444	TT	CC	1940291779
SNP_P1_67627_27579967	NC_021163.1	Ca_kabuli_chr04	27579967	GG	AA	1940291781
SNP_P1_67628_27580012	NC_021163.1	Ca_kabuli_chr04	27580012	AA	GG	1940291782
SNP_P1_67629_27580202	NC_021163.1	Ca_kabuli_chr04	27580202	AA	GG	1940291784
SNP_P1_67630_27580227	NC_021163.1	Ca_kabuli_chr04	27580227	CC	TT	1940291785
SNP_P1_67632_27580896	NC_021163.1	Ca_kabuli_chr04	27580896	TT	AA	1940291787
SNP_P1_67633_27581572	NC_021163.1	Ca_kabuli_chr04	27581572	CC	TT	1940291789
SNP_P1_67635_27583286	NC_021163.1	Ca_kabuli_chr04	27583286	AA	GG	1940291790
SNP_P1_67636_27583322	NC_021163.1	Ca_kabuli_chr04	27583322	CC	TT	1940291792
SNP_P1_67637_27585149	NC_021163.1	Ca_kabuli_chr04	27585149	AA	TT	1940291794
SNP_P1_67638_27587074	NC_021163.1	Ca_kabuli_chr04	27587074	AA	CC	1940291795
SNP_P1_67639_27587221	NC_021163.1	Ca_kabuli_chr04	27587221	GG	AA	1940291797
SNP_P1_67640_27587423	NC_021163.1	Ca_kabuli_chr04	27587423	AA	CC	1940291798
SNP_P1_67641_27587446	NC_021163.1	Ca_kabuli_chr04	27587446	AA	GG	1940291800
SNP_P1_67642_27588308	NC_021163.1	Ca_kabuli_chr04	27588308	GG	AA	1940291802
SNP_P1_67643_27588313	NC_021163.1	Ca_kabuli_chr04	27588313	TT	GG	1940291803
SNP_P1_67644_27588745	NC_021163.1	Ca_kabuli_chr04	27588745	GG	CC	1940291805
SNP_P1_67645_27588750	NC_021163.1	Ca_kabuli_chr04	27588750	CC	TT	1940291807
SNP_P1_67646_27588767	NC_021163.1	Ca_kabuli_chr04	27588767	TT	CC	1940291808
SNP_P1_67647_27593319	NC_021163.1	Ca_kabuli_chr04	27593319	AA	GG	1940291810
SNP_P1_67650_27595241	NC_021163.1	Ca_kabuli_chr04	27595241	CC	TT	1940291811
SNP_P1_67651_27595279	NC_021163.1	Ca_kabuli_chr04	27595279	CC	TT	1940291813
SNP_P1_67652_27599518	NC_021163.1	Ca_kabuli_chr04	27599518	GG	AA	1940291815

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67655_27604172	NC_021163.1	Ca_kabuli_chr04	27604172	GG	AA	1940291818
SNP_P1_67657_27604761	NC_021163.1	Ca_kabuli_chr04	27604761	AA	GG	1940291820
SNP_P1_67659_27611041	NC_021163.1	Ca_kabuli_chr04	27611041	TT	CC	1940291821
SNP_P1_67660_27611195	NC_021163.1	Ca_kabuli_chr04	27611195	AA	GG	1940291823
SNP_P1_67661_27611255	NC_021163.1	Ca_kabuli_chr04	27611255	TT	AA	1940291824
SNP_P1_67662_27611361	NC_021163.1	Ca_kabuli_chr04	27611361	GG	AA	1940291826
SNP_P1_67663_27611445	NC_021163.1	Ca_kabuli_chr04	27611445	TT	AA	1940291828
SNP_P1_67664_27611598	NC_021163.1	Ca_kabuli_chr04	27611598	AA	GG	1940291829
SNP_P1_67666_27615558	NC_021163.1	Ca_kabuli_chr04	27615558	CC	AA	1940291831
SNP_P1_67667_27620333	NC_021163.1	Ca_kabuli_chr04	27620333	GG	AA	1940291833
SNP_P1_67668_27622768	NC_021163.1	Ca_kabuli_chr04	27622768	CC	TT	1940291834
SNP_P1_67670_27625368	NC_021163.1	Ca_kabuli_chr04	27625368	AA	TT	1940291836
SNP_P1_67671_27626672	NC_021163.1	Ca_kabuli_chr04	27626672	CC	TT	1940291838
SNP_P1_67672_27628156	NC_021163.1	Ca_kabuli_chr04	27628156	TT	CC	1940291839
SNP_P1_67673_27628186	NC_021163.1	Ca_kabuli_chr04	27628186	AA	GG	1940291841
SNP_P1_67674_27628240	NC_021163.1	Ca_kabuli_chr04	27628240	TT	CC	1940291842
SNP_P1_67675_27631175	NC_021163.1	Ca_kabuli_chr04	27631175	CC	TT	1940291844
SNP_P1_67676_27631249	NC_021163.1	Ca_kabuli_chr04	27631249	TT	AA	1940291846
SNP_P1_67677_27631312	NC_021163.1	Ca_kabuli_chr04	27631312	GG	AA	1940291847
SNP_P1_67678_27631660	NC_021163.1	Ca_kabuli_chr04	27631660	TT	CC	1940291849
SNP_P1_67679_27631675	NC_021163.1	Ca_kabuli_chr04	27631675	CC	TT	1940291851
SNP_P1_67680_27631680	NC_021163.1	Ca_kabuli_chr04	27631680	TT	CC	1940291852
SNP_P1_67681_27631922	NC_021163.1	Ca_kabuli_chr04	27631922	AA	GG	1940291854
SNP_P1_67682_27631930	NC_021163.1	Ca_kabuli_chr04	27631930	AA	GG	1940291855
SNP_P1_67683_27631943	NC_021163.1	Ca_kabuli_chr04	27631943	AA	TT	1940291857
SNP_P1_67684_27632026	NC_021163.1	Ca_kabuli_chr04	27632026	TT	CC	1940291859
SNP_P1_67685_27632029	NC_021163.1	Ca_kabuli_chr04	27632029	TT	GG	1940291860
SNP_P1_67687_27634672	NC_021163.1	Ca_kabuli_chr04	27634672	CC	TT	1940291862
SNP_P1_67688_27634925	NC_021163.1	Ca_kabuli_chr04	27634925	AA	GG	1940291864
SNP_P1_67689_27635193	NC_021163.1	Ca_kabuli_chr04	27635193	TT	CC	1940291865
SNP_P1_67690_27635961	NC_021163.1	Ca_kabuli_chr04	27635961	CC	TT	1940291867
SNP_P1_67691_27636994	NC_021163.1	Ca_kabuli_chr04	27636994	GG	TT	1940291869
SNP_P1_67692_27637126	NC_021163.1	Ca_kabuli_chr04	27637126	AA	CC	1940291870
SNP_P1_67693_27637145	NC_021163.1	Ca_kabuli_chr04	27637145	GG	AA	1940291872
SNP_P1_67695_27637506	NC_021163.1	Ca_kabuli_chr04	27637506	TT	AA	1940291873
SNP_P1_67696_27637682	NC_021163.1	Ca_kabuli_chr04	27637682	GG	AA	1940291875
SNP_P1_67697_27639648	NC_021163.1	Ca_kabuli_chr04	27639648	AA	GG	1940291877
SNP_P1_67698_27646387	NC_021163.1	Ca_kabuli_chr04	27646387	TT	CC	1940291878
SNP_P1_67699_27646396	NC_021163.1	Ca_kabuli_chr04	27646396	TT	AA	1940291880
SNP_P1_67700_27646397	NC_021163.1	Ca_kabuli_chr04	27646397	AA	CC	1940291882
SNP_P1_67701_27646400	NC_021163.1	Ca_kabuli_chr04	27646400	TT	CC	1940291883

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67703_27646663	NC_021163.1	Ca_kabuli_chr04	27646663	CC	TT	1940291886
SNP_P1_67704_27647413	NC_021163.1	Ca_kabuli_chr04	27647413	CC	TT	1940291888
SNP_P1_67705_27647558	NC_021163.1	Ca_kabuli_chr04	27647558	CC	TT	1940291890
SNP_P1_67706_27648022	NC_021163.1	Ca_kabuli_chr04	27648022	GG	AA	1940291891
SNP_P1_67707_27648442	NC_021163.1	Ca_kabuli_chr04	27648442	TT	CC	1940291893
SNP_P1_67708_27648929	NC_021163.1	Ca_kabuli_chr04	27648929	GG	CC	1940291895
SNP_P1_67711_27653645	NC_021163.1	Ca_kabuli_chr04	27653645	CC	TT	1940291896
SNP_P1_67712_27653878	NC_021163.1	Ca_kabuli_chr04	27653878	AA	GG	1940291898
SNP_P1_67715_27656590	NC_021163.1	Ca_kabuli_chr04	27656590	TT	GG	1940291899
SNP_P1_67716_27656669	NC_021163.1	Ca_kabuli_chr04	27656669	AA	GG	1940291901
SNP_P1_67717_27657055	NC_021163.1	Ca_kabuli_chr04	27657055	TT	CC	1940291903
SNP_P1_67718_27657071	NC_021163.1	Ca_kabuli_chr04	27657071	TT	GG	1940291904
SNP_P1_67719_27657148	NC_021163.1	Ca_kabuli_chr04	27657148	TT	AA	1940291906
SNP_P1_67720_27657272	NC_021163.1	Ca_kabuli_chr04	27657272	AA	GG	1940291908
SNP_P1_67722_27657456	NC_021163.1	Ca_kabuli_chr04	27657456	TT	GG	1940291909
SNP_P1_67723_27657617	NC_021163.1	Ca_kabuli_chr04	27657617	GG	TT	1940291911
SNP_P1_67724_27659499	NC_021163.1	Ca_kabuli_chr04	27659499	AA	GG	1940291912
SNP_P1_67725_27660400	NC_021163.1	Ca_kabuli_chr04	27660400	TT	CC	1940291914
SNP_P1_67726_27670281	NC_021163.1	Ca_kabuli_chr04	27670281	AA	GG	1940291916
SNP_P1_67727_27674196	NC_021163.1	Ca_kabuli_chr04	27674196	AA	GG	1940291917
SNP_P1_67728_27674508	NC_021163.1	Ca_kabuli_chr04	27674508	GG	CC	1940291919
SNP_P1_67729_27674517	NC_021163.1	Ca_kabuli_chr04	27674517	CC	TT	1940291921
SNP_P1_67730_27675479	NC_021163.1	Ca_kabuli_chr04	27675479	CC	TT	1940291922
SNP_P1_67731_27675820	NC_021163.1	Ca_kabuli_chr04	27675820	CC	GG	1940291924
SNP_P1_67732_27675858	NC_021163.1	Ca_kabuli_chr04	27675858	CC	TT	1940291926
SNP_P1_67733_27680640	NC_021163.1	Ca_kabuli_chr04	27680640	TT	CC	1940291927
SNP_P1_67734_27681416	NC_021163.1	Ca_kabuli_chr04	27681416	AA	TT	1940291929
SNP_P1_67735_27682480	NC_021163.1	Ca_kabuli_chr04	27682480	TT	CC	1940291930
SNP_P1_67737_27682672	NC_021163.1	Ca_kabuli_chr04	27682672	AA	GG	1940291932
SNP_P1_67738_27684573	NC_021163.1	Ca_kabuli_chr04	27684573	GG	TT	1940291934
SNP_P1_67739_27685720	NC_021163.1	Ca_kabuli_chr04	27685720	TT	AA	1940291935
SNP_P1_67740_27687134	NC_021163.1	Ca_kabuli_chr04	27687134	AA	GG	1940291937
SNP_P1_67741_27687143	NC_021163.1	Ca_kabuli_chr04	27687143	AA	GG	1940291939
SNP_P1_67742_27687941	NC_021163.1	Ca_kabuli_chr04	27687941	GG	CC	1940291940
SNP_P1_67743_27688118	NC_021163.1	Ca_kabuli_chr04	27688118	CC	TT	1940291942
SNP_P1_67744_27689547	NC_021163.1	Ca_kabuli_chr04	27689547	CC	AA	1940291943
SNP_P1_67745_27689605	NC_021163.1	Ca_kabuli_chr04	27689605	GG	TT	1940291945
SNP_P1_67746_27690130	NC_021163.1	Ca_kabuli_chr04	27690130	TT	CC	1940291947
SNP_P1_67747_27690599	NC_021163.1	Ca_kabuli_chr04	27690599	GG	AA	1940291948
SNP_P1_67748_27690863	NC_021163.1	Ca_kabuli_chr04	27690863	CC	TT	1940291950
SNP_P1_67749_27691343	NC_021163.1	Ca_kabuli_chr04	27691343	CC	TT	1940291952

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_67750_27692897	NC_021163.1	Ca_kabuli_chr04	27692897	AA	TT	1940291953
SNP_P1_67751_27693189	NC_021163.1	Ca_kabuli_chr04	27693189	GG	AA	1940291955
SNP_P1_67752_27693513	NC_021163.1	Ca_kabuli_chr04	27693513	TT	AA	1940291957
SNP_P1_67753_27694921	NC_021163.1	Ca_kabuli_chr04	27694921	AA	GG	1940291958
SNP_P1_67754_27695347	NC_021163.1	Ca_kabuli_chr04	27695347	CC	GG	1940291960
SNP_P1_67755_27695750	NC_021163.1	Ca_kabuli_chr04	27695750	AA	GG	1940291961
SNP_P1_67756_27696132	NC_021163.1	Ca_kabuli_chr04	27696132	AA	GG	1940291963
SNP_P1_67757_27698163	NC_021163.1	Ca_kabuli_chr04	27698163	AA	CC	1940291965
SNP_P1_67759_27698989	NC_021163.1	Ca_kabuli_chr04	27698989	GG	AA	1940291966
SNP_P1_67760_27702143	NC_021163.1	Ca_kabuli_chr04	27702143	AA	GG	1940291968
SNP_P1_67761_27703371	NC_021163.1	Ca_kabuli_chr04	27703371	GG	AA	1940291970
SNP_P1_67762_27703378	NC_021163.1	Ca_kabuli_chr04	27703378	AA	TT	1940291971
SNP_P1_67763_27705194	NC_021163.1	Ca_kabuli_chr04	27705194	AA	GG	1940291973
SNP_P1_67764_27705578	NC_021163.1	Ca_kabuli_chr04	27705578	TT	AA	1940291974
SNP_P1_67765_27706727	NC_021163.1	Ca_kabuli_chr04	27706727	AA	GG	1940291976
SNP_P1_67766_27710396	NC_021163.1	Ca_kabuli_chr04	27710396	AA	GG	1940291978
SNP_P1_67767_27710474	NC_021163.1	Ca_kabuli_chr04	27710474	GG	CC	1940291979
SNP_P1_67768_27711563	NC_021163.1	Ca_kabuli_chr04	27711563	CC	GG	1940291981
SNP_P1_67769_27715471	NC_021163.1	Ca_kabuli_chr04	27715471	GG	AA	1940291983
SNP_P1_67770_27715661	NC_021163.1	Ca_kabuli_chr04	27715661	AA	GG	1940291984
SNP_P1_67771_27715717	NC_021163.1	Ca_kabuli_chr04	27715717	CC	AA	1940291986
SNP_P1_67772_27718652	NC_021163.1	Ca_kabuli_chr04	27718652	GG	AA	1940291987
SNP_P1_67773_27718653	NC_021163.1	Ca_kabuli_chr04	27718653	AA	CC	1940291989
SNP_P1_67774_27720921	NC_021163.1	Ca_kabuli_chr04	27720921	TT	CC	1940291991
SNP_P1_67775_27724596	NC_021163.1	Ca_kabuli_chr04	27724596	AA	CC	1940291992
SNP_P1_67776_27724720	NC_021163.1	Ca_kabuli_chr04	27724720	TT	GG	1940291994
SNP_P1_67777_27724751	NC_021163.1	Ca_kabuli_chr04	27724751	TT	CC	1940291996
SNP_P1_67778_27724763	NC_021163.1	Ca_kabuli_chr04	27724763	AA	GG	1940291997
SNP_P1_67779_27724794	NC_021163.1	Ca_kabuli_chr04	27724794	GG	CC	1940291999
SNP_P1_67780_27724799	NC_021163.1	Ca_kabuli_chr04	27724799	AA	GG	1940292000
SNP_P1_67781_27724832	NC_021163.1	Ca_kabuli_chr04	27724832	GG	TT	1940292002
SNP_P1_67782_27724847	NC_021163.1	Ca_kabuli_chr04	27724847	CC	AA	1940292004
SNP_P1_67783_27724894	NC_021163.1	Ca_kabuli_chr04	27724894	CC	TT	1940292005
SNP_P1_67784_27724947	NC_021163.1	Ca_kabuli_chr04	27724947	GG	CC	1940292007
SNP_P1_67785_27724987	NC_021163.1	Ca_kabuli_chr04	27724987	GG	CC	1940292009
SNP_P1_67786_27725196	NC_021163.1	Ca_kabuli_chr04	27725196	AA	TT	1940292010
SNP_P1_67787_27725264	NC_021163.1	Ca_kabuli_chr04	27725264	TT	CC	1940292012
SNP_P1_67788_27730367	NC_021163.1	Ca_kabuli_chr04	27730367	AA	GG	1940292014
SNP_P1_67789_27730392	NC_021163.1	Ca_kabuli_chr04	27730392	GG	TT	1940292015
SNP_P1_67790_27731122	NC_021163.1	Ca_kabuli_chr04	27731122	AA	GG	1940292017
SNP_P1_67791_27731359	NC_021163.1	Ca_kabuli_chr04	27731359	CC	AA	1940292018
SNP_P1_67792_27731577	NC_021163.1	Ca_kabuli_chr04	27731577	AA	GG	1940292020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_67793_27731585	NC_021163.1	Ca_kabuli_chr04	27731585	GG	TT	1940292022
SNP_P1_67794_27733890	NC_021163.1	Ca_kabuli_chr04	27733890	CC	TT	1940292023
SNP_P1_67795_27734187	NC_021163.1	Ca_kabuli_chr04	27734187	AA	TT	1940292025
SNP_P1_67796_27734472	NC_021163.1	Ca_kabuli_chr04	27734472	CC	AA	1940292027
SNP_P1_67797_27735108	NC_021163.1	Ca_kabuli_chr04	27735108	AA	CC	1940292028
SNP_P1_67798_27735338	NC_021163.1	Ca_kabuli_chr04	27735338	GG	AA	1940292030
SNP_P1_67799_27735471	NC_021163.1	Ca_kabuli_chr04	27735471	AA	GG	1940292031
SNP_P1_67800_27739097	NC_021163.1	Ca_kabuli_chr04	27739097	CC	TT	1940292033
SNP_P1_67801_27744929	NC_021163.1	Ca_kabuli_chr04	27744929	CC	AA	1940292035
SNP_P1_67803_27746551	NC_021163.1	Ca_kabuli_chr04	27746551	CC	TT	1940292036
SNP_P1_67804_27746568	NC_021163.1	Ca_kabuli_chr04	27746568	TT	AA	1940292038
SNP_P1_67805_27746689	NC_021163.1	Ca_kabuli_chr04	27746689	CC	TT	1940292040
SNP_P1_67806_27746721	NC_021163.1	Ca_kabuli_chr04	27746721	TT	CC	1940292041
SNP_P1_67807_27749992	NC_021163.1	Ca_kabuli_chr04	27749992	AA	GG	1940292043
SNP_P1_67808_27750371	NC_021163.1	Ca_kabuli_chr04	27750371	CC	TT	1940292044
SNP_P1_67809_27752848	NC_021163.1	Ca_kabuli_chr04	27752848	CC	TT	1940292046
SNP_P1_67810_27752949	NC_021163.1	Ca_kabuli_chr04	27752949	CC	GG	1940292048
SNP_P1_67811_27753131	NC_021163.1	Ca_kabuli_chr04	27753131	CC	TT	1940292049
SNP_P1_67812_27753296	NC_021163.1	Ca_kabuli_chr04	27753296	AA	TT	1940292051
SNP_P1_67813_27753553	NC_021163.1	Ca_kabuli_chr04	27753553	AA	GG	1940292053
SNP_P1_67814_27757202	NC_021163.1	Ca_kabuli_chr04	27757202	AA	GG	1940292054
SNP_P1_67815_27762211	NC_021163.1	Ca_kabuli_chr04	27762211	TT	GG	1940292056
SNP_P1_67816_27767071	NC_021163.1	Ca_kabuli_chr04	27767071	CC	TT	1940292057
SNP_P1_67817_27783964	NC_021163.1	Ca_kabuli_chr04	27783964	AA	TT	1940292059
SNP_P1_67818_27786682	NC_021163.1	Ca_kabuli_chr04	27786682	GG	TT	1940292061
SNP_P1_67820_27799276	NC_021163.1	Ca_kabuli_chr04	27799276	TT	GG	1940292062
SNP_P1_67821_27799664	NC_021163.1	Ca_kabuli_chr04	27799664	CC	AA	1940292064
SNP_P1_67822_27800903	NC_021163.1	Ca_kabuli_chr04	27800903	TT	CC	1940292066
SNP_P1_67823_27801321	NC_021163.1	Ca_kabuli_chr04	27801321	TT	CC	1940292067
SNP_P1_67824_27801393	NC_021163.1	Ca_kabuli_chr04	27801393	AA	CC	1940292069
SNP_P1_67825_27802667	NC_021163.1	Ca_kabuli_chr04	27802667	AA	GG	1940292071
SNP_P1_67826_27803160	NC_021163.1	Ca_kabuli_chr04	27803160	TT	CC	1940292072
SNP_P1_67827_27804049	NC_021163.1	Ca_kabuli_chr04	27804049	CC	TT	1940292074
SNP_P1_67829_27810340	NC_021163.1	Ca_kabuli_chr04	27810340	GG	AA	1940292076
SNP_P1_67831_27818653	NC_021163.1	Ca_kabuli_chr04	27818653	GG	TT	1940292077
SNP_P1_67832_27822874	NC_021163.1	Ca_kabuli_chr04	27822874	CC	AA	1940292079
SNP_P1_67833_27830385	NC_021163.1	Ca_kabuli_chr04	27830385	TT	CC	1940292080
SNP_P1_67834_27830875	NC_021163.1	Ca_kabuli_chr04	27830875	CC	TT	1940292082
SNP_P1_67835_27837312	NC_021163.1	Ca_kabuli_chr04	27837312	AA	GG	1940292084
SNP_P1_67836_27839666	NC_021163.1	Ca_kabuli_chr04	27839666	GG	TT	1940292085
SNP_P1_67837_27843865	NC_021163.1	Ca_kabuli_chr04	27843865	GG	AA	1940292087
SNP_P1_67838_27844124	NC_021163.1	Ca_kabuli_chr04	27844124	AA	CC	1940292089

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67840_27849614	NC_021163.1	Ca_kabuli_chr04	27849614	GG	AA	1940292092
SNP_P1_67841_27851754	NC_021163.1	Ca_kabuli_chr04	27851754	TT	AA	1940292093
SNP_P1_67842_27852074	NC_021163.1	Ca_kabuli_chr04	27852074	TT	GG	1940292095
SNP_P1_67843_27852330	NC_021163.1	Ca_kabuli_chr04	27852330	AA	GG	1940292097
SNP_P1_67844_27852555	NC_021163.1	Ca_kabuli_chr04	27852555	GG	CC	1940292098
SNP_P1_67845_27853143	NC_021163.1	Ca_kabuli_chr04	27853143	GG	AA	1940292100
SNP_P1_67846_27853806	NC_021163.1	Ca_kabuli_chr04	27853806	CC	TT	1940292102
SNP_P1_67847_27856629	NC_021163.1	Ca_kabuli_chr04	27856629	GG	AA	1940292103
SNP_P1_67848_27857789	NC_021163.1	Ca_kabuli_chr04	27857789	TT	CC	1940292105
SNP_P1_67850_27860343	NC_021163.1	Ca_kabuli_chr04	27860343	TT	CC	1940292107
SNP_P1_67851_27860689	NC_021163.1	Ca_kabuli_chr04	27860689	TT	GG	1940292108
SNP_P1_67852_27860770	NC_021163.1	Ca_kabuli_chr04	27860770	AA	GG	1940292110
SNP_P1_67853_27861846	NC_021163.1	Ca_kabuli_chr04	27861846	AA	TT	1940292112
SNP_P1_67854_27861847	NC_021163.1	Ca_kabuli_chr04	27861847	GG	AA	1940292113
SNP_P1_67855_27862465	NC_021163.1	Ca_kabuli_chr04	27862465	TT	GG	1940292115
SNP_P1_67856_27863484	NC_021163.1	Ca_kabuli_chr04	27863484	CC	AA	1940292116
SNP_P1_67857_27863795	NC_021163.1	Ca_kabuli_chr04	27863795	CC	AA	1940292118
SNP_P1_67858_27863868	NC_021163.1	Ca_kabuli_chr04	27863868	CC	GG	1940292120
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SNP_P1_67861_27870004	NC_021163.1	Ca_kabuli_chr04	27870004	AA	GG	1940292123
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SNP_P1_67863_27870893	NC_021163.1	Ca_kabuli_chr04	27870893	CC	TT	1940292126
SNP_P1_67864_27871324	NC_021163.1	Ca_kabuli_chr04	27871324	AA	GG	1940292128
SNP_P1_67865_27872842	NC_021163.1	Ca_kabuli_chr04	27872842	CC	TT	1940292130
SNP_P1_67867_27874449	NC_021163.1	Ca_kabuli_chr04	27874449	AA	GG	1940292131
SNP_P1_67868_27875128	NC_021163.1	Ca_kabuli_chr04	27875128	GG	TT	1940292133
SNP_P1_67870_27876906	NC_021163.1	Ca_kabuli_chr04	27876906	CC	AA	1940292135
SNP_P1_67871_27876907	NC_021163.1	Ca_kabuli_chr04	27876907	AA	TT	1940292136
SNP_P1_67872_27878009	NC_021163.1	Ca_kabuli_chr04	27878009	TT	CC	1940292138
SNP_P1_67873_27887204	NC_021163.1	Ca_kabuli_chr04	27887204	TT	GG	1940292139
SNP_P1_67874_27889232	NC_021163.1	Ca_kabuli_chr04	27889232	TT	CC	1940292141
SNP_P1_67875_27890497	NC_021163.1	Ca_kabuli_chr04	27890497	GG	AA	1940292143
SNP_P1_67876_27890810	NC_021163.1	Ca_kabuli_chr04	27890810	GG	AA	1940292144
SNP_P1_67877_27891901	NC_021163.1	Ca_kabuli_chr04	27891901	TT	CC	1940292146
SNP_P1_67878_27896321	NC_021163.1	Ca_kabuli_chr04	27896321	GG	AA	1940292148
SNP_P1_67879_27896974	NC_021163.1	Ca_kabuli_chr04	27896974	AA	TT	1940292149
SNP_P1_67880_27900103	NC_021163.1	Ca_kabuli_chr04	27900103	AA	CC	1940292151
SNP_P1_67881_27901737	NC_021163.1	Ca_kabuli_chr04	27901737	TT	AA	1940292152
SNP_P1_67882_27902106	NC_021163.1	Ca_kabuli_chr04	27902106	AA	GG	1940292154
SNP_P1_67884_27903759	NC_021163.1	Ca_kabuli_chr04	27903759	AA	TT	1940292156
SNP_P1_67885_27907822	NC_021163.1	Ca_kabuli_chr04	27907822	GG	CC	1940292157

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67887_27916321	NC_021163.1	Ca_kabuli_chr04	27916321	AA	GG	1940292161
SNP_P1_67888_27919416	NC_021163.1	Ca_kabuli_chr04	27919416	AA	GG	1940292162
SNP_P1_67889_27919442	NC_021163.1	Ca_kabuli_chr04	27919442	AA	GG	1940292164
SNP_P1_67893_27924438	NC_021163.1	Ca_kabuli_chr04	27924438	TT	GG	1940292166
SNP_P1_67894_27926088	NC_021163.1	Ca_kabuli_chr04	27926088	AA	GG	1940292167
SNP_P1_67895_27926976	NC_021163.1	Ca_kabuli_chr04	27926976	GG	AA	1940292169
SNP_P1_67896_27927897	NC_021163.1	Ca_kabuli_chr04	27927897	GG	AA	1940292170
SNP_P1_67897_27928558	NC_021163.1	Ca_kabuli_chr04	27928558	TT	CC	1940292172
SNP_P1_67898_27928726	NC_021163.1	Ca_kabuli_chr04	27928726	GG	AA	1940292174
SNP_P1_67899_27928746	NC_021163.1	Ca_kabuli_chr04	27928746	TT	CC	1940292175
SNP_P1_67900_27928758	NC_021163.1	Ca_kabuli_chr04	27928758	GG	TT	1940292177
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SNP_P1_67902_27928804	NC_021163.1	Ca_kabuli_chr04	27928804	AA	CC	1940292180
SNP_P1_67903_27928809	NC_021163.1	Ca_kabuli_chr04	27928809	CC	AA	1940292182
SNP_P1_67905_27928844	NC_021163.1	Ca_kabuli_chr04	27928844	TT	CC	1940292183
SNP_P1_67906_27928869	NC_021163.1	Ca_kabuli_chr04	27928869	CC	TT	1940292185
SNP_P1_67908_27928914	NC_021163.1	Ca_kabuli_chr04	27928914	TT	AA	1940292187
SNP_P1_67909_27928930	NC_021163.1	Ca_kabuli_chr04	27928930	TT	GG	1940292188
SNP_P1_67910_27928936	NC_021163.1	Ca_kabuli_chr04	27928936	CC	GG	1940292190
SNP_P1_67911_27928937	NC_021163.1	Ca_kabuli_chr04	27928937	CC	TT	1940292192
SNP_P1_67912_27928958	NC_021163.1	Ca_kabuli_chr04	27928958	AA	CC	1940292193
SNP_P1_67914_27930479	NC_021163.1	Ca_kabuli_chr04	27930479	TT	CC	1940292195
SNP_P1_67915_27930489	NC_021163.1	Ca_kabuli_chr04	27930489	TT	CC	1940292197
SNP_P1_67916_27930548	NC_021163.1	Ca_kabuli_chr04	27930548	AA	GG	1940292198
SNP_P1_67917_27930558	NC_021163.1	Ca_kabuli_chr04	27930558	AA	CC	1940292200
SNP_P1_67918_27930572	NC_021163.1	Ca_kabuli_chr04	27930572	TT	CC	1940292201
SNP_P1_67919_27930590	NC_021163.1	Ca_kabuli_chr04	27930590	AA	GG	1940292203
SNP_P1_67920_27930596	NC_021163.1	Ca_kabuli_chr04	27930596	TT	GG	1940292205
SNP_P1_67921_27930625	NC_021163.1	Ca_kabuli_chr04	27930625	TT	GG	1940292206
SNP_P1_67922_27930821	NC_021163.1	Ca_kabuli_chr04	27930821	TT	CC	1940292208
SNP_P1_67923_27935613	NC_021163.1	Ca_kabuli_chr04	27935613	AA	GG	1940292210
SNP_P1_67924_27936690	NC_021163.1	Ca_kabuli_chr04	27936690	GG	AA	1940292211
SNP_P1_67925_27938445	NC_021163.1	Ca_kabuli_chr04	27938445	AA	GG	1940292213
SNP_P1_67926_27938480	NC_021163.1	Ca_kabuli_chr04	27938480	AA	GG	1940292215
SNP_P1_67927_27939412	NC_021163.1	Ca_kabuli_chr04	27939412	CC	GG	1940292216
SNP_P1_67928_27943246	NC_021163.1	Ca_kabuli_chr04	27943246	TT	CC	1940292218
SNP_P1_67929_27943461	NC_021163.1	Ca_kabuli_chr04	27943461	TT	GG	1940292219
SNP_P1_67930_27943636	NC_021163.1	Ca_kabuli_chr04	27943636	TT	GG	1940292221
SNP_P1_67931_27943642	NC_021163.1	Ca_kabuli_chr04	27943642	CC	TT	1940292223
SNP_P1_67932_27943693	NC_021163.1	Ca_kabuli_chr04	27943693	TT	CC	1940292224
SNP_P1_67933_27943711	NC_021163.1	Ca_kabuli_chr04	27943711	GG	AA	1940292226

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_67934_27943716	NC_021163.1	Ca_kabuli_chr04	27943716	TT	AA	1940292228
SNP_P1_67936_27943736	NC_021163.1	Ca_kabuli_chr04	27943736	CC	TT	1940292229
SNP_P1_67937_27944502	NC_021163.1	Ca_kabuli_chr04	27944502	GG	AA	1940292231
SNP_P1_67938_27949263	NC_021163.1	Ca_kabuli_chr04	27949263	CC	TT	1940292232
SNP_P1_67942_27954781	NC_021163.1	Ca_kabuli_chr04	27954781	TT	CC	1940292234
SNP_P1_67943_27956558	NC_021163.1	Ca_kabuli_chr04	27956558	AA	GG	1940292236
SNP_P1_67945_27957315	NC_021163.1	Ca_kabuli_chr04	27957315	AA	GG	1940292237
SNP_P1_67946_27961328	NC_021163.1	Ca_kabuli_chr04	27961328	TT	CC	1940292239
SNP_P1_67948_27962250	NC_021163.1	Ca_kabuli_chr04	27962250	TT	CC	1940292241
SNP_P1_67949_27963792	NC_021163.1	Ca_kabuli_chr04	27963792	GG	AA	1940292242
SNP_P1_67950_27964301	NC_021163.1	Ca_kabuli_chr04	27964301	AA	GG	1940292244
SNP_P1_67951_27964661	NC_021163.1	Ca_kabuli_chr04	27964661	GG	AA	1940292246
SNP_P1_67952_27965546	NC_021163.1	Ca_kabuli_chr04	27965546	TT	CC	1940292247
SNP_P1_67955_27975291	NC_021163.1	Ca_kabuli_chr04	27975291	TT	AA	1940292249
SNP_P1_67956_27976076	NC_021163.1	Ca_kabuli_chr04	27976076	GG	AA	1940292250
SNP_P1_67957_27976346	NC_021163.1	Ca_kabuli_chr04	27976346	AA	GG	1940292252
SNP_P1_67958_27983516	NC_021163.1	Ca_kabuli_chr04	27983516	GG	AA	1940292254
SNP_P1_67959_27983785	NC_021163.1	Ca_kabuli_chr04	27983785	TT	AA	1940292255
SNP_P1_67960_27984670	NC_021163.1	Ca_kabuli_chr04	27984670	GG	AA	1940292257
SNP_P1_67961_27985977	NC_021163.1	Ca_kabuli_chr04	27985977	AA	GG	1940292259
SNP_P1_67962_27987597	NC_021163.1	Ca_kabuli_chr04	27987597	TT	CC	1940292260
SNP_P1_67963_27992144	NC_021163.1	Ca_kabuli_chr04	27992144	TT	CC	1940292262
SNP_P1_67966_27996949	NC_021163.1	Ca_kabuli_chr04	27996949	CC	TT	1940292264
SNP_P1_67967_27996958	NC_021163.1	Ca_kabuli_chr04	27996958	CC	AA	1940292265
SNP_P1_67968_27997115	NC_021163.1	Ca_kabuli_chr04	27997115	GG	TT	1940292267
SNP_P1_67970_27997230	NC_021163.1	Ca_kabuli_chr04	27997230	CC	TT	1940292268
SNP_P1_67971_27997235	NC_021163.1	Ca_kabuli_chr04	27997235	CC	TT	1940292270
SNP_P1_67972_27997243	NC_021163.1	Ca_kabuli_chr04	27997243	AA	TT	1940292272
SNP_P1_67973_27997335	NC_021163.1	Ca_kabuli_chr04	27997335	CC	TT	1940292273
SNP_P1_67974_27997403	NC_021163.1	Ca_kabuli_chr04	27997403	CC	AA	1940292275
SNP_P1_67975_27997512	NC_021163.1	Ca_kabuli_chr04	27997512	AA	CC	1940292277
SNP_P1_67976_27997527	NC_021163.1	Ca_kabuli_chr04	27997527	CC	TT	1940292278
SNP_P1_67977_27997536	NC_021163.1	Ca_kabuli_chr04	27997536	AA	TT	1940292280
SNP_P1_67978_27997538	NC_021163.1	Ca_kabuli_chr04	27997538	TT	GG	1940292282
SNP_P1_67979_27997568	NC_021163.1	Ca_kabuli_chr04	27997568	TT	CC	1940292283
SNP_P1_67980_27997595	NC_021163.1	Ca_kabuli_chr04	27997595	AA	GG	1940292285
SNP_P1_67981_27998188	NC_021163.1	Ca_kabuli_chr04	27998188	TT	AA	1940292286
SNP_P1_67983_27998726	NC_021163.1	Ca_kabuli_chr04	27998726	CC	TT	1940292288
SNP_P1_67985_28013390	NC_021163.1	Ca_kabuli_chr04	28013390	TT	GG	1940292290
SNP_P1_67986_28013393	NC_021163.1	Ca_kabuli_chr04	28013393	GG	AA	1940292291
SNP_P1_67987_28013429	NC_021163.1	Ca_kabuli_chr04	28013429	AA	TT	1940292293
SNP_P1_67988_28018314	NC_021163.1	Ca_kabuli_chr04	28018314	CC	TT	1940292295

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_67990_28018541	NC_021163.1	Ca_kabuli_chr04	28018541	CC	TT	1940292298
SNP_P1_67992_28019122	NC_021163.1	Ca_kabuli_chr04	28019122	TT	AA	1940292299
SNP_P1_67993_28019171	NC_021163.1	Ca_kabuli_chr04	28019171	GG	CC	1940292301
SNP_P1_67994_28019253	NC_021163.1	Ca_kabuli_chr04	28019253	CC	TT	1940292303
SNP_P1_67995_28019258	NC_021163.1	Ca_kabuli_chr04	28019258	TT	GG	1940292304
SNP_P1_67996_28019271	NC_021163.1	Ca_kabuli_chr04	28019271	GG	CC	1940292306
SNP_P1_67997_28019325	NC_021163.1	Ca_kabuli_chr04	28019325	TT	CC	1940292308
SNP_P1_67999_28019621	NC_021163.1	Ca_kabuli_chr04	28019621	TT	CC	1940292309
SNP_P1_68000_28020141	NC_021163.1	Ca_kabuli_chr04	28020141	CC	TT	1940292311
SNP_P1_68001_28020274	NC_021163.1	Ca_kabuli_chr04	28020274	AA	GG	1940292313
SNP_P1_68002_28020286	NC_021163.1	Ca_kabuli_chr04	28020286	AA	GG	1940292314
SNP_P1_68003_28020287	NC_021163.1	Ca_kabuli_chr04	28020287	TT	CC	1940292316
SNP_P1_68004_28020296	NC_021163.1	Ca_kabuli_chr04	28020296	GG	AA	1940292317
SNP_P1_68005_28020614	NC_021163.1	Ca_kabuli_chr04	28020614	GG	AA	1940292319
SNP_P1_68006_28020635	NC_021163.1	Ca_kabuli_chr04	28020635	TT	GG	1940292321
SNP_P1_68007_28020785	NC_021163.1	Ca_kabuli_chr04	28020785	AA	GG	1940292322
SNP_P1_68009_28021094	NC_021163.1	Ca_kabuli_chr04	28021094	GG	AA	1940292324
SNP_P1_68010_28021116	NC_021163.1	Ca_kabuli_chr04	28021116	AA	GG	1940292326
SNP_P1_68011_28021128	NC_021163.1	Ca_kabuli_chr04	28021128	AA	CC	1940292327
SNP_P1_68012_28021130	NC_021163.1	Ca_kabuli_chr04	28021130	GG	TT	1940292329
SNP_P1_68013_28021446	NC_021163.1	Ca_kabuli_chr04	28021446	CC	TT	1940292331
SNP_P1_68014_28021466	NC_021163.1	Ca_kabuli_chr04	28021466	TT	CC	1940292332
SNP_P1_68015_28021948	NC_021163.1	Ca_kabuli_chr04	28021948	AA	GG	1940292334
SNP_P1_68016_28021950	NC_021163.1	Ca_kabuli_chr04	28021950	AA	GG	1940292336
SNP_P1_68017_28022290	NC_021163.1	Ca_kabuli_chr04	28022290	GG	AA	1940292337
SNP_P1_68018_28022319	NC_021163.1	Ca_kabuli_chr04	28022319	CC	TT	1940292339
SNP_P1_68021_28023859	NC_021163.1	Ca_kabuli_chr04	28023859	CC	TT	1940292340
SNP_P1_68022_28024561	NC_021163.1	Ca_kabuli_chr04	28024561	CC	TT	1940292342
SNP_P1_68023_28024599	NC_021163.1	Ca_kabuli_chr04	28024599	CC	TT	1940292344
SNP_P1_68024_28024676	NC_021163.1	Ca_kabuli_chr04	28024676	CC	GG	1940292345
SNP_P1_68025_28024679	NC_021163.1	Ca_kabuli_chr04	28024679	AA	GG	1940292347
SNP_P1_68027_28025314	NC_021163.1	Ca_kabuli_chr04	28025314	CC	TT	1940292349
SNP_P1_68028_28025337	NC_021163.1	Ca_kabuli_chr04	28025337	AA	GG	1940292350
SNP_P1_68029_28026126	NC_021163.1	Ca_kabuli_chr04	28026126	GG	TT	1940292352
SNP_P1_68030_28026351	NC_021163.1	Ca_kabuli_chr04	28026351	GG	AA	1940292354
SNP_P1_68031_28026367	NC_021163.1	Ca_kabuli_chr04	28026367	AA	GG	1940292355
SNP_P1_68032_28026947	NC_021163.1	Ca_kabuli_chr04	28026947	CC	AA	1940292357
SNP_P1_68033_28026960	NC_021163.1	Ca_kabuli_chr04	28026960	CC	TT	1940292358
SNP_P1_68034_28027003	NC_021163.1	Ca_kabuli_chr04	28027003	GG	AA	1940292360
SNP_P1_68035_28027030	NC_021163.1	Ca_kabuli_chr04	28027030	AA	TT	1940292362
SNP_P1_68036_28027040	NC_021163.1	Ca_kabuli_chr04	28027040	TT	GG	1940292363

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68038_28027049	NC_021163.1	Ca_kabuli_chr04	28027049	GG	TT	1940292367
SNP_P1_68039_28027167	NC_021163.1	Ca_kabuli_chr04	28027167	GG	TT	1940292368
SNP_P1_68040_28027173	NC_021163.1	Ca_kabuli_chr04	28027173	AA	GG	1940292370
SNP_P1_68041_28027209	NC_021163.1	Ca_kabuli_chr04	28027209	GG	AA	1940292371
SNP_P1_68042_28027210	NC_021163.1	Ca_kabuli_chr04	28027210	GG	TT	1940292373
SNP_P1_68043_28027233	NC_021163.1	Ca_kabuli_chr04	28027233	TT	GG	1940292375
SNP_P1_68044_28027454	NC_021163.1	Ca_kabuli_chr04	28027454	CC	TT	1940292376
SNP_P1_68046_28034970	NC_021163.1	Ca_kabuli_chr04	28034970	TT	CC	1940292378
SNP_P1_68047_28035019	NC_021163.1	Ca_kabuli_chr04	28035019	AA	GG	1940292380
SNP_P1_68048_28035044	NC_021163.1	Ca_kabuli_chr04	28035044	TT	GG	1940292381
SNP_P1_68049_28035330	NC_021163.1	Ca_kabuli_chr04	28035330	AA	TT	1940292383
SNP_P1_68050_28041576	NC_021163.1	Ca_kabuli_chr04	28041576	GG	AA	1940292385
SNP_P1_68051_28041577	NC_021163.1	Ca_kabuli_chr04	28041577	GG	TT	1940292386
SNP_P1_68052_28041588	NC_021163.1	Ca_kabuli_chr04	28041588	AA	GG	1940292388
SNP_P1_68053_28041841	NC_021163.1	Ca_kabuli_chr04	28041841	TT	GG	1940292389
SNP_P1_68054_28042195	NC_021163.1	Ca_kabuli_chr04	28042195	AA	GG	1940292391
SNP_P1_68055_28042214	NC_021163.1	Ca_kabuli_chr04	28042214	AA	GG	1940292393
SNP_P1_68056_28042217	NC_021163.1	Ca_kabuli_chr04	28042217	CC	TT	1940292394
SNP_P1_68057_28042250	NC_021163.1	Ca_kabuli_chr04	28042250	AA	GG	1940292396
SNP_P1_68058_28042331	NC_021163.1	Ca_kabuli_chr04	28042331	GG	AA	1940292398
SNP_P1_68059_28042397	NC_021163.1	Ca_kabuli_chr04	28042397	CC	TT	1940292399
SNP_P1_68060_28042439	NC_021163.1	Ca_kabuli_chr04	28042439	TT	AA	1940292401
SNP_P1_68061_28042442	NC_021163.1	Ca_kabuli_chr04	28042442	GG	TT	1940292402
SNP_P1_68062_28042454	NC_021163.1	Ca_kabuli_chr04	28042454	CC	TT	1940292404
SNP_P1_68064_28042525	NC_021163.1	Ca_kabuli_chr04	28042525	CC	AA	1940292406
SNP_P1_68065_28042583	NC_021163.1	Ca_kabuli_chr04	28042583	CC	TT	1940292407
SNP_P1_68066_28042615	NC_021163.1	Ca_kabuli_chr04	28042615	CC	TT	1940292409
SNP_P1_68067_28042728	NC_021163.1	Ca_kabuli_chr04	28042728	AA	GG	1940292411
SNP_P1_68068_28042730	NC_021163.1	Ca_kabuli_chr04	28042730	TT	CC	1940292412
SNP_P1_68069_28042737	NC_021163.1	Ca_kabuli_chr04	28042737	AA	GG	1940292414
SNP_P1_68071_28042774	NC_021163.1	Ca_kabuli_chr04	28042774	GG	AA	1940292416
SNP_P1_68072_28042776	NC_021163.1	Ca_kabuli_chr04	28042776	CC	TT	1940292417
SNP_P1_68073_28042938	NC_021163.1	Ca_kabuli_chr04	28042938	GG	AA	1940292419
SNP_P1_68074_28043120	NC_021163.1	Ca_kabuli_chr04	28043120	GG	AA	1940292420
SNP_P1_68075_28043128	NC_021163.1	Ca_kabuli_chr04	28043128	AA	GG	1940292422
SNP_P1_68076_28043182	NC_021163.1	Ca_kabuli_chr04	28043182	CC	GG	1940292424
SNP_P1_68077_28043554	NC_021163.1	Ca_kabuli_chr04	28043554	CC	TT	1940292425
SNP_P1_68078_28043572	NC_021163.1	Ca_kabuli_chr04	28043572	CC	AA	1940292427
SNP_P1_68079_28043679	NC_021163.1	Ca_kabuli_chr04	28043679	AA	TT	1940292429
SNP_P1_68080_28043680	NC_021163.1	Ca_kabuli_chr04	28043680	AA	TT	1940292430
SNP_P1_68081_28043725	NC_021163.1	Ca_kabuli_chr04	28043725	TT	AA	1940292432

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_68082_28043762	NC_021163.1	Ca_kabuli_chr04	28043762	AA	GG	1940292434
SNP_P1_68083_28043764	NC_021163.1	Ca_kabuli_chr04	28043764	GG	TT	1940292435
SNP_P1_68084_28043771	NC_021163.1	Ca_kabuli_chr04	28043771	TT	CC	1940292437
SNP_P1_68085_28044075	NC_021163.1	Ca_kabuli_chr04	28044075	CC	AA	1940292438
SNP_P1_68086_28044130	NC_021163.1	Ca_kabuli_chr04	28044130	CC	TT	1940292440
SNP_P1_68088_28044401	NC_021163.1	Ca_kabuli_chr04	28044401	CC	AA	1940292442
SNP_P1_68089_28045413	NC_021163.1	Ca_kabuli_chr04	28045413	CC	TT	1940292443
SNP_P1_68090_28045426	NC_021163.1	Ca_kabuli_chr04	28045426	GG	CC	1940292445
SNP_P1_68091_28045722	NC_021163.1	Ca_kabuli_chr04	28045722	GG	AA	1940292447
SNP_P1_68092_28046780	NC_021163.1	Ca_kabuli_chr04	28046780	CC	AA	1940292448
SNP_P1_68093_28047777	NC_021163.1	Ca_kabuli_chr04	28047777	AA	CC	1940292450
SNP_P1_68094_28050881	NC_021163.1	Ca_kabuli_chr04	28050881	CC	AA	1940292451
SNP_P1_68095_28050985	NC_021163.1	Ca_kabuli_chr04	28050985	GG	AA	1940292453
SNP_P1_68096_28050989	NC_021163.1	Ca_kabuli_chr04	28050989	GG	AA	1940292455
SNP_P1_68097_28052480	NC_021163.1	Ca_kabuli_chr04	28052480	GG	TT	1940292456
SNP_P1_68098_28053023	NC_021163.1	Ca_kabuli_chr04	28053023	GG	AA	1940292458
SNP_P1_68099_28053240	NC_021163.1	Ca_kabuli_chr04	28053240	TT	CC	1940292460
SNP_P1_68100_28053688	NC_021163.1	Ca_kabuli_chr04	28053688	GG	CC	1940292461
SNP_P1_68101_28054546	NC_021163.1	Ca_kabuli_chr04	28054546	TT	GG	1940292463
SNP_P1_68102_28054620	NC_021163.1	Ca_kabuli_chr04	28054620	TT	CC	1940292465
SNP_P1_68103_28054799	NC_021163.1	Ca_kabuli_chr04	28054799	TT	GG	1940292466
SNP_P1_68104_28055709	NC_021163.1	Ca_kabuli_chr04	28055709	AA	GG	1940292468
SNP_P1_68105_28057337	NC_021163.1	Ca_kabuli_chr04	28057337	AA	TT	1940292469
SNP_P1_68106_28057433	NC_021163.1	Ca_kabuli_chr04	28057433	CC	GG	1940292471
SNP_P1_68107_28057441	NC_021163.1	Ca_kabuli_chr04	28057441	GG	AA	1940292473
SNP_P1_68109_28057687	NC_021163.1	Ca_kabuli_chr04	28057687	TT	AA	1940292474
SNP_P1_68111_28057953	NC_021163.1	Ca_kabuli_chr04	28057953	CC	TT	1940292476
SNP_P1_68112_28059653	NC_021163.1	Ca_kabuli_chr04	28059653	AA	GG	1940292478
SNP_P1_68113_28061093	NC_021163.1	Ca_kabuli_chr04	28061093	AA	GG	1940292479
SNP_P1_68114_28061174	NC_021163.1	Ca_kabuli_chr04	28061174	GG	AA	1940292481
SNP_P1_68115_28061983	NC_021163.1	Ca_kabuli_chr04	28061983	TT	CC	1940292483
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SNP_P1_68118_28063377	NC_021163.1	Ca_kabuli_chr04	28063377	GG	AA	1940292486
SNP_P1_68119_28064174	NC_021163.1	Ca_kabuli_chr04	28064174	CC	TT	1940292487
SNP_P1_68120_28064263	NC_021163.1	Ca_kabuli_chr04	28064263	AA	GG	1940292489
SNP_P1_68121_28064298	NC_021163.1	Ca_kabuli_chr04	28064298	CC	AA	1940292491
SNP_P1_68122_28064446	NC_021163.1	Ca_kabuli_chr04	28064446	TT	AA	1940292492
SNP_P1_68123_28066160	NC_021163.1	Ca_kabuli_chr04	28066160	TT	CC	1940292494
SNP_P1_68125_28071871	NC_021163.1	Ca_kabuli_chr04	28071871	CC	TT	1940292496
SNP_P1_68127_28072268	NC_021163.1	Ca_kabuli_chr04	28072268	TT	CC	1940292497
SNP_P1_68128_28072827	NC_021163.1	Ca_kabuli_chr04	28072827	TT	CC	1940292499
SNP_P1_68129_28073413	NC_021163.1	Ca_kabuli_chr04	28073413	CC	TT	1940292500

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68131_28075664	NC_021163.1	Ca_kabuli_chr04	28075664	CC	TT	1940292504
SNP_P1_68133_28089178	NC_021163.1	Ca_kabuli_chr04	28089178	GG	AA	1940292505
SNP_P1_68134_28089809	NC_021163.1	Ca_kabuli_chr04	28089809	TT	CC	1940292507
SNP_P1_68135_28090616	NC_021163.1	Ca_kabuli_chr04	28090616	TT	AA	1940292509
SNP_P1_68136_28090654	NC_021163.1	Ca_kabuli_chr04	28090654	GG	AA	1940292510
SNP_P1_68137_28092867	NC_021163.1	Ca_kabuli_chr04	28092867	TT	GG	1940292512
SNP_P1_68138_28093361	NC_021163.1	Ca_kabuli_chr04	28093361	TT	CC	1940292514
SNP_P1_68140_28098403	NC_021163.1	Ca_kabuli_chr04	28098403	CC	TT	1940292515
SNP_P1_68141_28098975	NC_021163.1	Ca_kabuli_chr04	28098975	CC	TT	1940292517
SNP_P1_68142_28100000	NC_021163.1	Ca_kabuli_chr04	28100000	CC	TT	1940292518
SNP_P1_68143_28100027	NC_021163.1	Ca_kabuli_chr04	28100027	GG	TT	1940292520
SNP_P1_68144_28100807	NC_021163.1	Ca_kabuli_chr04	28100807	GG	AA	1940292522
SNP_P1_68145_28100864	NC_021163.1	Ca_kabuli_chr04	28100864	TT	CC	1940292523
SNP_P1_68146_28100909	NC_021163.1	Ca_kabuli_chr04	28100909	TT	CC	1940292525
SNP_P1_68147_28101520	NC_021163.1	Ca_kabuli_chr04	28101520	CC	AA	1940292527
SNP_P1_68148_28101540	NC_021163.1	Ca_kabuli_chr04	28101540	CC	AA	1940292528
SNP_P1_68149_28101918	NC_021163.1	Ca_kabuli_chr04	28101918	GG	AA	1940292530
SNP_P1_68150_28102683	NC_021163.1	Ca_kabuli_chr04	28102683	CC	TT	1940292532
SNP_P1_68151_28105679	NC_021163.1	Ca_kabuli_chr04	28105679	AA	GG	1940292533
SNP_P1_68152_28106442	NC_021163.1	Ca_kabuli_chr04	28106442	TT	AA	1940292535
SNP_P1_68153_28107559	NC_021163.1	Ca_kabuli_chr04	28107559	TT	GG	1940292536
SNP_P1_68154_28107654	NC_021163.1	Ca_kabuli_chr04	28107654	CC	TT	1940292538
SNP_P1_68155_28108386	NC_021163.1	Ca_kabuli_chr04	28108386	AA	GG	1940292540
SNP_P1_68157_28108901	NC_021163.1	Ca_kabuli_chr04	28108901	AA	TT	1940292541
SNP_P1_68158_28109033	NC_021163.1	Ca_kabuli_chr04	28109033	CC	AA	1940292543
SNP_P1_68159_28109079	NC_021163.1	Ca_kabuli_chr04	28109079	TT	AA	1940292545
SNP_P1_68161_28111868	NC_021163.1	Ca_kabuli_chr04	28111868	TT	CC	1940292546
SNP_P1_68163_28112743	NC_021163.1	Ca_kabuli_chr04	28112743	TT	AA	1940292548
SNP_P1_68164_28119542	NC_021163.1	Ca_kabuli_chr04	28119542	CC	TT	1940292550
SNP_P1_68168_28121030	NC_021163.1	Ca_kabuli_chr04	28121030	GG	AA	1940292551
SNP_P1_68169_28121051	NC_021163.1	Ca_kabuli_chr04	28121051	CC	AA	1940292553
SNP_P1_68171_28122050	NC_021163.1	Ca_kabuli_chr04	28122050	AA	GG	1940292554
SNP_P1_68172_28122090	NC_021163.1	Ca_kabuli_chr04	28122090	TT	CC	1940292556
SNP_P1_68173_28122480	NC_021163.1	Ca_kabuli_chr04	28122480	GG	AA	1940292558
SNP_P1_68176_28123380	NC_021163.1	Ca_kabuli_chr04	28123380	AA	GG	1940292559
SNP_P1_68177_28123536	NC_021163.1	Ca_kabuli_chr04	28123536	TT	GG	1940292561
SNP_P1_68178_28123621	NC_021163.1	Ca_kabuli_chr04	28123621	AA	TT	1940292563
SNP_P1_68179_28124503	NC_021163.1	Ca_kabuli_chr04	28124503	TT	GG	1940292564
SNP_P1_68180_28124815	NC_021163.1	Ca_kabuli_chr04	28124815	AA	TT	1940292566
SNP_P1_68182_28127092	NC_021163.1	Ca_kabuli_chr04	28127092	AA	TT	1940292568
SNP_P1_68183_28127111	NC_021163.1	Ca_kabuli_chr04	28127111	TT	AA	1940292569

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68186_28133908	NC_021163.1	Ca_kabuli_chr04	28133908	AA	GG	1940292572
SNP_P1_68187_28134532	NC_021163.1	Ca_kabuli_chr04	28134532	TT	CC	1940292574
SNP_P1_68188_28136581	NC_021163.1	Ca_kabuli_chr04	28136581	TT	AA	1940292576
SNP_P1_68190_28138440	NC_021163.1	Ca_kabuli_chr04	28138440	TT	AA	1940292577
SNP_P1_68191_28138449	NC_021163.1	Ca_kabuli_chr04	28138449	GG	AA	1940292579
SNP_P1_68192_28139779	NC_021163.1	Ca_kabuli_chr04	28139779	CC	AA	1940292581
SNP_P1_68193_28139781	NC_021163.1	Ca_kabuli_chr04	28139781	AA	GG	1940292582
SNP_P1_68194_28139795	NC_021163.1	Ca_kabuli_chr04	28139795	GG	AA	1940292584
SNP_P1_68195_28139797	NC_021163.1	Ca_kabuli_chr04	28139797	CC	TT	1940292586
SNP_P1_68196_28139838	NC_021163.1	Ca_kabuli_chr04	28139838	TT	CC	1940292587
SNP_P1_68197_28139930	NC_021163.1	Ca_kabuli_chr04	28139930	CC	AA	1940292589
SNP_P1_68198_28139968	NC_021163.1	Ca_kabuli_chr04	28139968	GG	TT	1940292590
SNP_P1_68199_28140004	NC_021163.1	Ca_kabuli_chr04	28140004	TT	CC	1940292592
SNP_P1_68200_28140018	NC_021163.1	Ca_kabuli_chr04	28140018	CC	AA	1940292594
SNP_P1_68201_28140029	NC_021163.1	Ca_kabuli_chr04	28140029	GG	TT	1940292595
SNP_P1_68202_28140051	NC_021163.1	Ca_kabuli_chr04	28140051	CC	GG	1940292597
SNP_P1_68203_28140073	NC_021163.1	Ca_kabuli_chr04	28140073	AA	GG	1940292599
SNP_P1_68204_28140074	NC_021163.1	Ca_kabuli_chr04	28140074	GG	TT	1940292600
SNP_P1_68205_28140090	NC_021163.1	Ca_kabuli_chr04	28140090	TT	CC	1940292602
SNP_P1_68206_28140094	NC_021163.1	Ca_kabuli_chr04	28140094	TT	CC	1940292604
SNP_P1_68207_28140118	NC_021163.1	Ca_kabuli_chr04	28140118	AA	GG	1940292605
SNP_P1_68208_28140170	NC_021163.1	Ca_kabuli_chr04	28140170	GG	TT	1940292607
SNP_P1_68209_28140226	NC_021163.1	Ca_kabuli_chr04	28140226	AA	GG	1940292608
SNP_P1_68210_28140234	NC_021163.1	Ca_kabuli_chr04	28140234	GG	AA	1940292610
SNP_P1_68211_28140309	NC_021163.1	Ca_kabuli_chr04	28140309	CC	TT	1940292612
SNP_P1_68212_28140331	NC_021163.1	Ca_kabuli_chr04	28140331	TT	CC	1940292613
SNP_P1_68213_28140444	NC_021163.1	Ca_kabuli_chr04	28140444	CC	TT	1940292615
SNP_P1_68214_28140453	NC_021163.1	Ca_kabuli_chr04	28140453	GG	AA	1940292617
SNP_P1_68215_28142698	NC_021163.1	Ca_kabuli_chr04	28142698	AA	GG	1940292618
SNP_P1_68217_28144385	NC_021163.1	Ca_kabuli_chr04	28144385	AA	CC	1940292620
SNP_P1_68218_28144636	NC_021163.1	Ca_kabuli_chr04	28144636	CC	TT	1940292621
SNP_P1_68219_28144941	NC_021163.1	Ca_kabuli_chr04	28144941	TT	CC	1940292623
SNP_P1_68220_28144968	NC_021163.1	Ca_kabuli_chr04	28144968	AA	TT	1940292625
SNP_P1_68221_28144990	NC_021163.1	Ca_kabuli_chr04	28144990	AA	GG	1940292626
SNP_P1_68222_28145212	NC_021163.1	Ca_kabuli_chr04	28145212	GG	TT	1940292628
SNP_P1_68223_28145218	NC_021163.1	Ca_kabuli_chr04	28145218	GG	TT	1940292630
SNP_P1_68224_28145249	NC_021163.1	Ca_kabuli_chr04	28145249	CC	GG	1940292631
SNP_P1_68225_28145310	NC_021163.1	Ca_kabuli_chr04	28145310	TT	CC	1940292633
SNP_P1_68226_28145351	NC_021163.1	Ca_kabuli_chr04	28145351	GG	AA	1940292635
SNP_P1_68227_28145378	NC_021163.1	Ca_kabuli_chr04	28145378	GG	AA	1940292636
SNP_P1_68228_28145548	NC_021163.1	Ca_kabuli_chr04	28145548	CC	TT	1940292638

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68230_28145879	NC_021163.1	Ca_kabuli_chr04	28145879	AA	CC	1940292641
SNP_P1_68232_28146522	NC_021163.1	Ca_kabuli_chr04	28146522	GG	TT	1940292643
SNP_P1_68233_28146802	NC_021163.1	Ca_kabuli_chr04	28146802	GG	TT	1940292644
SNP_P1_68235_28147572	NC_021163.1	Ca_kabuli_chr04	28147572	TT	CC	1940292646
SNP_P1_68237_28148615	NC_021163.1	Ca_kabuli_chr04	28148615	TT	CC	1940292648
SNP_P1_68239_28148795	NC_021163.1	Ca_kabuli_chr04	28148795	GG	AA	1940292649
SNP_P1_68240_28149429	NC_021163.1	Ca_kabuli_chr04	28149429	CC	AA	1940292651
SNP_P1_68241_28150451	NC_021163.1	Ca_kabuli_chr04	28150451	TT	GG	1940292653
SNP_P1_68242_28150479	NC_021163.1	Ca_kabuli_chr04	28150479	AA	GG	1940292654
SNP_P1_68243_28150522	NC_021163.1	Ca_kabuli_chr04	28150522	GG	AA	1940292656
SNP_P1_68244_28150814	NC_021163.1	Ca_kabuli_chr04	28150814	GG	AA	1940292657
SNP_P1_68245_28150830	NC_021163.1	Ca_kabuli_chr04	28150830	AA	CC	1940292659
SNP_P1_68246_28151113	NC_021163.1	Ca_kabuli_chr04	28151113	TT	CC	1940292661
SNP_P1_68247_28151406	NC_021163.1	Ca_kabuli_chr04	28151406	CC	TT	1940292662
SNP_P1_68248_28151633	NC_021163.1	Ca_kabuli_chr04	28151633	GG	AA	1940292664
SNP_P1_68249_28151729	NC_021163.1	Ca_kabuli_chr04	28151729	TT	CC	1940292666
SNP_P1_68250_28152276	NC_021163.1	Ca_kabuli_chr04	28152276	CC	AA	1940292667
SNP_P1_68251_28152351	NC_021163.1	Ca_kabuli_chr04	28152351	CC	TT	1940292669
SNP_P1_68252_28152415	NC_021163.1	Ca_kabuli_chr04	28152415	CC	TT	1940292671
SNP_P1_68253_28152462	NC_021163.1	Ca_kabuli_chr04	28152462	GG	CC	1940292672
SNP_P1_68254_28152546	NC_021163.1	Ca_kabuli_chr04	28152546	AA	GG	1940292674
SNP_P1_68255_28152576	NC_021163.1	Ca_kabuli_chr04	28152576	TT	CC	1940292675
SNP_P1_68256_28152591	NC_021163.1	Ca_kabuli_chr04	28152591	CC	GG	1940292677
SNP_P1_68257_28153147	NC_021163.1	Ca_kabuli_chr04	28153147	TT	CC	1940292679
SNP_P1_68259_28153271	NC_021163.1	Ca_kabuli_chr04	28153271	CC	TT	1940292680
SNP_P1_68262_28160031	NC_021163.1	Ca_kabuli_chr04	28160031	GG	AA	1940292682
SNP_P1_68263_28160041	NC_021163.1	Ca_kabuli_chr04	28160041	AA	GG	1940292684
SNP_P1_68264_28160163	NC_021163.1	Ca_kabuli_chr04	28160163	AA	CC	1940292685
SNP_P1_68265_28160339	NC_021163.1	Ca_kabuli_chr04	28160339	AA	TT	1940292687
SNP_P1_68266_28160341	NC_021163.1	Ca_kabuli_chr04	28160341	TT	AA	1940292689
SNP_P1_68268_28160454	NC_021163.1	Ca_kabuli_chr04	28160454	TT	CC	1940292690
SNP_P1_68269_28160464	NC_021163.1	Ca_kabuli_chr04	28160464	CC	TT	1940292692
SNP_P1_68270_28162194	NC_021163.1	Ca_kabuli_chr04	28162194	TT	CC	1940292693
SNP_P1_68271_28162199	NC_021163.1	Ca_kabuli_chr04	28162199	TT	CC	1940292695
SNP_P1_68272_28162238	NC_021163.1	Ca_kabuli_chr04	28162238	CC	TT	1940292697
SNP_P1_68274_28162300	NC_021163.1	Ca_kabuli_chr04	28162300	CC	AA	1940292698
SNP_P1_68275_28162340	NC_021163.1	Ca_kabuli_chr04	28162340	CC	TT	1940292700
SNP_P1_68276_28162488	NC_021163.1	Ca_kabuli_chr04	28162488	AA	TT	1940292702
SNP_P1_68277_28162562	NC_021163.1	Ca_kabuli_chr04	28162562	GG	AA	1940292703
SNP_P1_68278_28162657	NC_021163.1	Ca_kabuli_chr04	28162657	TT	CC	1940292705
SNP_P1_68279_28163326	NC_021163.1	Ca_kabuli_chr04	28163326	GG	AA	1940292707

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68282_28167199	NC_021163.1	Ca_kabuli_chr04	28167199	CC	TT	1940292710
SNP_P1_68284_28168450	NC_021163.1	Ca_kabuli_chr04	28168450	CC	AA	1940292711
SNP_P1_68285_28168471	NC_021163.1	Ca_kabuli_chr04	28168471	CC	TT	1940292713
SNP_P1_68286_28168679	NC_021163.1	Ca_kabuli_chr04	28168679	CC	AA	1940292715
SNP_P1_68287_28168989	NC_021163.1	Ca_kabuli_chr04	28168989	AA	GG	1940292716
SNP_P1_68288_28168994	NC_021163.1	Ca_kabuli_chr04	28168994	AA	CC	1940292718
SNP_P1_68289_28168998	NC_021163.1	Ca_kabuli_chr04	28168998	TT	GG	1940292720
SNP_P1_68290_28170125	NC_021163.1	Ca_kabuli_chr04	28170125	CC	TT	1940292721
SNP_P1_68291_28170375	NC_021163.1	Ca_kabuli_chr04	28170375	AA	CC	1940292723
SNP_P1_68292_28170496	NC_021163.1	Ca_kabuli_chr04	28170496	CC	TT	1940292725
SNP_P1_68293_28170516	NC_021163.1	Ca_kabuli_chr04	28170516	TT	AA	1940292726
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SNP_P1_68296_28171134	NC_021163.1	Ca_kabuli_chr04	28171134	TT	AA	1940292731
SNP_P1_68297_28171545	NC_021163.1	Ca_kabuli_chr04	28171545	GG	AA	1940292733
SNP_P1_68298_28171636	NC_021163.1	Ca_kabuli_chr04	28171636	AA	CC	1940292734
SNP_P1_68299_28172104	NC_021163.1	Ca_kabuli_chr04	28172104	AA	GG	1940292736
SNP_P1_68300_28173081	NC_021163.1	Ca_kabuli_chr04	28173081	CC	AA	1940292738
SNP_P1_68301_28173437	NC_021163.1	Ca_kabuli_chr04	28173437	TT	CC	1940292739
SNP_P1_68304_28175294	NC_021163.1	Ca_kabuli_chr04	28175294	GG	AA	1940292741
SNP_P1_68305_28176480	NC_021163.1	Ca_kabuli_chr04	28176480	AA	GG	1940292742
SNP_P1_68306_28177733	NC_021163.1	Ca_kabuli_chr04	28177733	TT	CC	1940292744
SNP_P1_68307_28178086	NC_021163.1	Ca_kabuli_chr04	28178086	GG	CC	1940292746
SNP_P1_68308_28178322	NC_021163.1	Ca_kabuli_chr04	28178322	TT	CC	1940292747
SNP_P1_68309_28178352	NC_021163.1	Ca_kabuli_chr04	28178352	TT	CC	1940292749
SNP_P1_68310_28178358	NC_021163.1	Ca_kabuli_chr04	28178358	TT	CC	1940292751
SNP_P1_68311_28178359	NC_021163.1	Ca_kabuli_chr04	28178359	AA	TT	1940292752
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SNP_P1_68313_28178427	NC_021163.1	Ca_kabuli_chr04	28178427	AA	GG	1940292756
SNP_P1_68314_28178472	NC_021163.1	Ca_kabuli_chr04	28178472	AA	GG	1940292757
SNP_P1_68315_28179288	NC_021163.1	Ca_kabuli_chr04	28179288	TT	AA	1940292759
SNP_P1_68316_28179352	NC_021163.1	Ca_kabuli_chr04	28179352	CC	AA	1940292760
SNP_P1_68317_28179560	NC_021163.1	Ca_kabuli_chr04	28179560	TT	CC	1940292762
SNP_P1_68319_28179859	NC_021163.1	Ca_kabuli_chr04	28179859	CC	TT	1940292764
SNP_P1_68320_28179909	NC_021163.1	Ca_kabuli_chr04	28179909	AA	TT	1940292765
SNP_P1_68322_28180114	NC_021163.1	Ca_kabuli_chr04	28180114	GG	AA	1940292767
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SNP_P1_68324_28180218	NC_021163.1	Ca_kabuli_chr04	28180218	GG	TT	1940292770
SNP_P1_68325_28180256	NC_021163.1	Ca_kabuli_chr04	28180256	GG	TT	1940292772
SNP_P1_68327_28180402	NC_021163.1	Ca_kabuli_chr04	28180402	AA	GG	1940292773
SNP_P1_68328_28180426	NC_021163.1	Ca_kabuli_chr04	28180426	TT	GG	1940292775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68331_28180960	NC_021163.1	Ca_kabuli_chr04	28180960	TT	GG	1940292780
SNP_P1_68332_28180978	NC_021163.1	Ca_kabuli_chr04	28180978	CC	TT	1940292782
SNP_P1_68334_28181000	NC_021163.1	Ca_kabuli_chr04	28181000	AA	GG	1940292783
SNP_P1_68335_28181928	NC_021163.1	Ca_kabuli_chr04	28181928	GG	AA	1940292785
SNP_P1_68336_28181942	NC_021163.1	Ca_kabuli_chr04	28181942	AA	GG	1940292787
SNP_P1_68337_28182098	NC_021163.1	Ca_kabuli_chr04	28182098	TT	AA	1940292788
SNP_P1_68338_28182209	NC_021163.1	Ca_kabuli_chr04	28182209	AA	CC	1940292790
SNP_P1_68339_28182398	NC_021163.1	Ca_kabuli_chr04	28182398	GG	AA	1940292791
SNP_P1_68340_28182408	NC_021163.1	Ca_kabuli_chr04	28182408	CC	AA	1940292793
SNP_P1_68341_28182415	NC_021163.1	Ca_kabuli_chr04	28182415	AA	GG	1940292795
SNP_P1_68342_28182421	NC_021163.1	Ca_kabuli_chr04	28182421	CC	TT	1940292796
SNP_P1_68343_28182423	NC_021163.1	Ca_kabuli_chr04	28182423	AA	GG	1940292798
SNP_P1_68344_28182532	NC_021163.1	Ca_kabuli_chr04	28182532	TT	CC	1940292800
SNP_P1_68345_28182578	NC_021163.1	Ca_kabuli_chr04	28182578	CC	TT	1940292801
SNP_P1_68346_28182614	NC_021163.1	Ca_kabuli_chr04	28182614	AA	CC	1940292803
SNP_P1_68347_28183281	NC_021163.1	Ca_kabuli_chr04	28183281	AA	GG	1940292804
SNP_P1_68348_28183306	NC_021163.1	Ca_kabuli_chr04	28183306	AA	CC	1940292806
SNP_P1_68349_28183460	NC_021163.1	Ca_kabuli_chr04	28183460	AA	GG	1940292808
SNP_P1_68350_28183480	NC_021163.1	Ca_kabuli_chr04	28183480	AA	TT	1940292809
SNP_P1_68351_28183490	NC_021163.1	Ca_kabuli_chr04	28183490	TT	CC	1940292811
SNP_P1_68353_28183528	NC_021163.1	Ca_kabuli_chr04	28183528	AA	GG	1940292813
SNP_P1_68354_28183587	NC_021163.1	Ca_kabuli_chr04	28183587	CC	GG	1940292814
SNP_P1_68355_28184209	NC_021163.1	Ca_kabuli_chr04	28184209	CC	TT	1940292816
SNP_P1_68356_28184239	NC_021163.1	Ca_kabuli_chr04	28184239	TT	GG	1940292818
SNP_P1_68357_28184320	NC_021163.1	Ca_kabuli_chr04	28184320	GG	TT	1940292819
SNP_P1_68358_28184460	NC_021163.1	Ca_kabuli_chr04	28184460	TT	CC	1940292821
SNP_P1_68359_28184532	NC_021163.1	Ca_kabuli_chr04	28184532	AA	GG	1940292822
SNP_P1_68361_28185532	NC_021163.1	Ca_kabuli_chr04	28185532	AA	TT	1940292824
SNP_P1_68363_28199160	NC_021163.1	Ca_kabuli_chr04	28199160	TT	AA	1940292826
SNP_P1_68366_28201816	NC_021163.1	Ca_kabuli_chr04	28201816	TT	AA	1940292827
SNP_P1_68367_28201821	NC_021163.1	Ca_kabuli_chr04	28201821	TT	AA	1940292829
SNP_P1_68368_28202157	NC_021163.1	Ca_kabuli_chr04	28202157	AA	GG	1940292831
SNP_P1_68369_28202189	NC_021163.1	Ca_kabuli_chr04	28202189	TT	AA	1940292832
SNP_P1_68370_28202266	NC_021163.1	Ca_kabuli_chr04	28202266	GG	TT	1940292834
SNP_P1_68371_28202268	NC_021163.1	Ca_kabuli_chr04	28202268	CC	TT	1940292836
SNP_P1_68372_28202501	NC_021163.1	Ca_kabuli_chr04	28202501	AA	CC	1940292837
SNP_P1_68373_28202522	NC_021163.1	Ca_kabuli_chr04	28202522	CC	TT	1940292839
SNP_P1_68374_28202994	NC_021163.1	Ca_kabuli_chr04	28202994	CC	TT	1940292841
SNP_P1_68375_28204227	NC_021163.1	Ca_kabuli_chr04	28204227	TT	CC	1940292842
SNP_P1_68376_28204978	NC_021163.1	Ca_kabuli_chr04	28204978	TT	CC	1940292844

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68379_28205231	NC_021163.1	Ca_kabuli_chr04	28205231	GG	AA	1940292847
SNP_P1_68381_28206945	NC_021163.1	Ca_kabuli_chr04	28206945	CC	TT	1940292849
SNP_P1_68382_28207021	NC_021163.1	Ca_kabuli_chr04	28207021	TT	AA	1940292850
SNP_P1_68383_28207022	NC_021163.1	Ca_kabuli_chr04	28207022	TT	AA	1940292852
SNP_P1_68384_28207055	NC_021163.1	Ca_kabuli_chr04	28207055	TT	AA	1940292854
SNP_P1_68386_28207120	NC_021163.1	Ca_kabuli_chr04	28207120	TT	GG	1940292855
SNP_P1_68388_28207375	NC_021163.1	Ca_kabuli_chr04	28207375	CC	TT	1940292857
SNP_P1_68389_28207426	NC_021163.1	Ca_kabuli_chr04	28207426	TT	GG	1940292858
SNP_P1_68390_28207601	NC_021163.1	Ca_kabuli_chr04	28207601	CC	TT	1940292860
SNP_P1_68391_28208207	NC_021163.1	Ca_kabuli_chr04	28208207	AA	GG	1940292862
SNP_P1_68392_28208226	NC_021163.1	Ca_kabuli_chr04	28208226	AA	GG	1940292863
SNP_P1_68397_28210767	NC_021163.1	Ca_kabuli_chr04	28210767	GG	AA	1940292865
SNP_P1_68398_28210795	NC_021163.1	Ca_kabuli_chr04	28210795	TT	CC	1940292867
SNP_P1_68399_28211983	NC_021163.1	Ca_kabuli_chr04	28211983	AA	CC	1940292868
SNP_P1_68401_28212115	NC_021163.1	Ca_kabuli_chr04	28212115	AA	GG	1940292870
SNP_P1_68402_28212156	NC_021163.1	Ca_kabuli_chr04	28212156	CC	TT	1940292872
SNP_P1_68403_28213366	NC_021163.1	Ca_kabuli_chr04	28213366	AA	GG	1940292873
SNP_P1_68404_28213443	NC_021163.1	Ca_kabuli_chr04	28213443	CC	TT	1940292875
SNP_P1_68405_28225415	NC_021163.1	Ca_kabuli_chr04	28225415	GG	AA	1940292876
SNP_P1_68406_28225483	NC_021163.1	Ca_kabuli_chr04	28225483	GG	AA	1940292878
SNP_P1_68407_28225489	NC_021163.1	Ca_kabuli_chr04	28225489	CC	GG	1940292880
SNP_P1_68408_28225518	NC_021163.1	Ca_kabuli_chr04	28225518	TT	CC	1940292881
SNP_P1_68409_28225548	NC_021163.1	Ca_kabuli_chr04	28225548	GG	CC	1940292883
SNP_P1_68410_28225569	NC_021163.1	Ca_kabuli_chr04	28225569	CC	TT	1940292885
SNP_P1_68411_28231182	NC_021163.1	Ca_kabuli_chr04	28231182	CC	TT	1940292886
SNP_P1_68412_28231442	NC_021163.1	Ca_kabuli_chr04	28231442	TT	AA	1940292888
SNP_P1_68413_28232709	NC_021163.1	Ca_kabuli_chr04	28232709	AA	GG	1940292889
SNP_P1_68414_28232718	NC_021163.1	Ca_kabuli_chr04	28232718	AA	TT	1940292891
SNP_P1_68415_28232778	NC_021163.1	Ca_kabuli_chr04	28232778	GG	AA	1940292893
SNP_P1_68416_28232783	NC_021163.1	Ca_kabuli_chr04	28232783	AA	CC	1940292894
SNP_P1_68417_28232857	NC_021163.1	Ca_kabuli_chr04	28232857	AA	GG	1940292896
SNP_P1_68418_28233045	NC_021163.1	Ca_kabuli_chr04	28233045	TT	GG	1940292898
SNP_P1_68419_28235600	NC_021163.1	Ca_kabuli_chr04	28235600	CC	AA	1940292899
SNP_P1_68420_28235615	NC_021163.1	Ca_kabuli_chr04	28235615	AA	CC	1940292901
SNP_P1_68421_28235651	NC_021163.1	Ca_kabuli_chr04	28235651	GG	AA	1940292903
SNP_P1_68422_28235746	NC_021163.1	Ca_kabuli_chr04	28235746	TT	CC	1940292904
SNP_P1_68423_28235776	NC_021163.1	Ca_kabuli_chr04	28235776	AA	CC	1940292906
SNP_P1_68424_28235782	NC_021163.1	Ca_kabuli_chr04	28235782	AA	GG	1940292907
SNP_P1_68425_28235796	NC_021163.1	Ca_kabuli_chr04	28235796	TT	CC	1940292909
SNP_P1_68426_28235835	NC_021163.1	Ca_kabuli_chr04	28235835	CC	AA	1940292911
SNP_P1_68427_28235845	NC_021163.1	Ca_kabuli_chr04	28235845	GG	CC	1940292912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68429_28235881	NC_021163.1	Ca_kabuli_chr04	28235881	AA	GG	1940292916
SNP_P1_68430_28235891	NC_021163.1	Ca_kabuli_chr04	28235891	AA	TT	1940292917
SNP_P1_68431_28235924	NC_021163.1	Ca_kabuli_chr04	28235924	TT	CC	1940292919
SNP_P1_68432_28235941	NC_021163.1	Ca_kabuli_chr04	28235941	AA	GG	1940292921
SNP_P1_68433_28236120	NC_021163.1	Ca_kabuli_chr04	28236120	GG	CC	1940292922
SNP_P1_68434_28236177	NC_021163.1	Ca_kabuli_chr04	28236177	TT	CC	1940292924
SNP_P1_68435_28236231	NC_021163.1	Ca_kabuli_chr04	28236231	CC	TT	1940292925
SNP_P1_68436_28236235	NC_021163.1	Ca_kabuli_chr04	28236235	TT	CC	1940292927
SNP_P1_68437_28236774	NC_021163.1	Ca_kabuli_chr04	28236774	AA	GG	1940292929
SNP_P1_68438_28236776	NC_021163.1	Ca_kabuli_chr04	28236776	GG	CC	1940292930
SNP_P1_68439_28236807	NC_021163.1	Ca_kabuli_chr04	28236807	TT	CC	1940292932
SNP_P1_68440_28238670	NC_021163.1	Ca_kabuli_chr04	28238670	AA	GG	1940292934
SNP_P1_68441_28238675	NC_021163.1	Ca_kabuli_chr04	28238675	CC	GG	1940292935
SNP_P1_68442_28238698	NC_021163.1	Ca_kabuli_chr04	28238698	GG	TT	1940292937
SNP_P1_68443_28238757	NC_021163.1	Ca_kabuli_chr04	28238757	GG	CC	1940292938
SNP_P1_68444_28238790	NC_021163.1	Ca_kabuli_chr04	28238790	AA	GG	1940292940
SNP_P1_68445_28238798	NC_021163.1	Ca_kabuli_chr04	28238798	TT	CC	1940292942
SNP_P1_68446_28238963	NC_021163.1	Ca_kabuli_chr04	28238963	CC	AA	1940292943
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SNP_P1_68449_28239001	NC_021163.1	Ca_kabuli_chr04	28239001	AA	GG	1940292948
SNP_P1_68450_28239091	NC_021163.1	Ca_kabuli_chr04	28239091	CC	TT	1940292950
SNP_P1_68451_28239098	NC_021163.1	Ca_kabuli_chr04	28239098	GG	TT	1940292952
SNP_P1_68452_28239099	NC_021163.1	Ca_kabuli_chr04	28239099	CC	GG	1940292953
SNP_P1_68453_28239105	NC_021163.1	Ca_kabuli_chr04	28239105	CC	AA	1940292955
SNP_P1_68454_28239115	NC_021163.1	Ca_kabuli_chr04	28239115	TT	GG	1940292956
SNP_P1_68455_28239123	NC_021163.1	Ca_kabuli_chr04	28239123	CC	AA	1940292958
SNP_P1_68456_28239135	NC_021163.1	Ca_kabuli_chr04	28239135	AA	TT	1940292960
SNP_P1_68457_28239136	NC_021163.1	Ca_kabuli_chr04	28239136	AA	CC	1940292961
SNP_P1_68458_28239920	NC_021163.1	Ca_kabuli_chr04	28239920	TT	CC	1940292963
SNP_P1_68459_28240633	NC_021163.1	Ca_kabuli_chr04	28240633	AA	CC	1940292965
SNP_P1_68460_28240953	NC_021163.1	Ca_kabuli_chr04	28240953	TT	CC	1940292966
SNP_P1_68461_28242459	NC_021163.1	Ca_kabuli_chr04	28242459	CC	TT	1940292968
SNP_P1_68462_28242502	NC_021163.1	Ca_kabuli_chr04	28242502	TT	GG	1940292970
SNP_P1_68464_28246772	NC_021163.1	Ca_kabuli_chr04	28246772	TT	GG	1940292971
SNP_P1_68465_28247059	NC_021163.1	Ca_kabuli_chr04	28247059	GG	AA	1940292973
SNP_P1_68466_28253098	NC_021163.1	Ca_kabuli_chr04	28253098	CC	AA	1940292974
SNP_P1_68467_28254162	NC_021163.1	Ca_kabuli_chr04	28254162	GG	TT	1940292976
SNP_P1_68469_28254645	NC_021163.1	Ca_kabuli_chr04	28254645	CC	TT	1940292978
SNP_P1_68470_28257805	NC_021163.1	Ca_kabuli_chr04	28257805	CC	TT	1940292979
SNP_P1_68471_28260503	NC_021163.1	Ca_kabuli_chr04	28260503	AA	GG	1940292981

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68473_28263977	NC_021163.1	Ca_kabuli_chr04	28263977	GG	AA	1940292984
SNP_P1_68474_28263988	NC_021163.1	Ca_kabuli_chr04	28263988	TT	CC	1940292986
SNP_P1_68475_28265157	NC_021163.1	Ca_kabuli_chr04	28265157	GG	AA	1940292988
SNP_P1_68476_28265255	NC_021163.1	Ca_kabuli_chr04	28265255	TT	AA	1940292989
SNP_P1_68477_28266389	NC_021163.1	Ca_kabuli_chr04	28266389	TT	GG	1940292991
SNP_P1_68478_28266562	NC_021163.1	Ca_kabuli_chr04	28266562	TT	AA	1940292992
SNP_P1_68479_28266743	NC_021163.1	Ca_kabuli_chr04	28266743	TT	AA	1940292994
SNP_P1_68480_28267062	NC_021163.1	Ca_kabuli_chr04	28267062	AA	TT	1940292996
SNP_P1_68481_28267527	NC_021163.1	Ca_kabuli_chr04	28267527	CC	TT	1940292997
SNP_P1_68482_28268603	NC_021163.1	Ca_kabuli_chr04	28268603	AA	GG	1940292999
SNP_P1_68483_28273165	NC_021163.1	Ca_kabuli_chr04	28273165	AA	GG	1940293001
SNP_P1_68484_28273347	NC_021163.1	Ca_kabuli_chr04	28273347	GG	AA	1940293002
SNP_P1_68485_28273889	NC_021163.1	Ca_kabuli_chr04	28273889	CC	TT	1940293004
SNP_P1_68486_28274059	NC_021163.1	Ca_kabuli_chr04	28274059	GG	AA	1940293006
SNP_P1_68489_28276221	NC_021163.1	Ca_kabuli_chr04	28276221	CC	TT	1940293007
SNP_P1_68490_28276232	NC_021163.1	Ca_kabuli_chr04	28276232	TT	CC	1940293009
SNP_P1_68491_28276456	NC_021163.1	Ca_kabuli_chr04	28276456	GG	AA	1940293010
SNP_P1_68492_28276481	NC_021163.1	Ca_kabuli_chr04	28276481	AA	GG	1940293012
SNP_P1_68493_28276576	NC_021163.1	Ca_kabuli_chr04	28276576	TT	GG	1940293014
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SNP_P1_68495_28276591	NC_021163.1	Ca_kabuli_chr04	28276591	CC	TT	1940293017
SNP_P1_68496_28276596	NC_021163.1	Ca_kabuli_chr04	28276596	AA	TT	1940293019
SNP_P1_68497_28276600	NC_021163.1	Ca_kabuli_chr04	28276600	AA	TT	1940293020
SNP_P1_68498_28276616	NC_021163.1	Ca_kabuli_chr04	28276616	AA	GG	1940293022
SNP_P1_68499_28276646	NC_021163.1	Ca_kabuli_chr04	28276646	GG	CC	1940293024
SNP_P1_68500_28276651	NC_021163.1	Ca_kabuli_chr04	28276651	GG	AA	1940293025
SNP_P1_68501_28276664	NC_021163.1	Ca_kabuli_chr04	28276664	TT	GG	1940293027
SNP_P1_68502_28276694	NC_021163.1	Ca_kabuli_chr04	28276694	GG	AA	1940293028
SNP_P1_68503_28276707	NC_021163.1	Ca_kabuli_chr04	28276707	CC	TT	1940293030
SNP_P1_68504_28276829	NC_021163.1	Ca_kabuli_chr04	28276829	AA	GG	1940293032
SNP_P1_68506_28277250	NC_021163.1	Ca_kabuli_chr04	28277250	TT	GG	1940293033
SNP_P1_68507_28277618	NC_021163.1	Ca_kabuli_chr04	28277618	TT	AA	1940293035
SNP_P1_68508_28277621	NC_021163.1	Ca_kabuli_chr04	28277621	AA	GG	1940293037
SNP_P1_68509_28279309	NC_021163.1	Ca_kabuli_chr04	28279309	TT	GG	1940293038
SNP_P1_68512_28282208	NC_021163.1	Ca_kabuli_chr04	28282208	GG	AA	1940293040
SNP_P1_68514_28282508	NC_021163.1	Ca_kabuli_chr04	28282508	AA	GG	1940293042
SNP_P1_68515_28282546	NC_021163.1	Ca_kabuli_chr04	28282546	CC	TT	1940293043
SNP_P1_68516_28282630	NC_021163.1	Ca_kabuli_chr04	28282630	GG	AA	1940293045
SNP_P1_68517_28282865	NC_021163.1	Ca_kabuli_chr04	28282865	GG	TT	1940293047
SNP_P1_68518_28282869	NC_021163.1	Ca_kabuli_chr04	28282869	TT	CC	1940293048
SNP_P1_68519_28283079	NC_021163.1	Ca_kabuli_chr04	28283079	TT	CC	1940293050

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68521_28283360	NC_021163.1	Ca_kabuli_chr04	28283360	AA	TT	1940293053
SNP_P1_68523_28283877	NC_021163.1	Ca_kabuli_chr04	28283877	AA	TT	1940293055
SNP_P1_68524_28285583	NC_021163.1	Ca_kabuli_chr04	28285583	TT	CC	1940293056
SNP_P1_68525_28285600	NC_021163.1	Ca_kabuli_chr04	28285600	GG	AA	1940293058
SNP_P1_68526_28285861	NC_021163.1	Ca_kabuli_chr04	28285861	GG	AA	1940293060
SNP_P1_68527_28285904	NC_021163.1	Ca_kabuli_chr04	28285904	TT	CC	1940293061
SNP_P1_68528_28286379	NC_021163.1	Ca_kabuli_chr04	28286379	GG	AA	1940293063
SNP_P1_68529_28286557	NC_021163.1	Ca_kabuli_chr04	28286557	CC	GG	1940293065
SNP_P1_68530_28286722	NC_021163.1	Ca_kabuli_chr04	28286722	AA	GG	1940293066
SNP_P1_68531_28286744	NC_021163.1	Ca_kabuli_chr04	28286744	CC	AA	1940293068
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SNP_P1_68535_28287604	NC_021163.1	Ca_kabuli_chr04	28287604	TT	CC	1940293074
SNP_P1_68536_28287666	NC_021163.1	Ca_kabuli_chr04	28287666	GG	CC	1940293076
SNP_P1_68537_28287844	NC_021163.1	Ca_kabuli_chr04	28287844	CC	TT	1940293078
SNP_P1_68538_28287889	NC_021163.1	Ca_kabuli_chr04	28287889	GG	AA	1940293079
SNP_P1_68539_28288875	NC_021163.1	Ca_kabuli_chr04	28288875	GG	AA	1940293081
SNP_P1_68540_28289227	NC_021163.1	Ca_kabuli_chr04	28289227	AA	GG	1940293083
SNP_P1_68541_28289416	NC_021163.1	Ca_kabuli_chr04	28289416	CC	TT	1940293084
SNP_P1_68542_28290409	NC_021163.1	Ca_kabuli_chr04	28290409	TT	CC	1940293086
SNP_P1_68543_28290690	NC_021163.1	Ca_kabuli_chr04	28290690	AA	GG	1940293088
SNP_P1_68544_28290809	NC_021163.1	Ca_kabuli_chr04	28290809	TT	AA	1940293089
SNP_P1_68545_28290896	NC_021163.1	Ca_kabuli_chr04	28290896	GG	AA	1940293091
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SNP_P1_68547_28293761	NC_021163.1	Ca_kabuli_chr04	28293761	TT	CC	1940293094
SNP_P1_68548_28294138	NC_021163.1	Ca_kabuli_chr04	28294138	AA	GG	1940293096
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SNP_P1_68550_28295149	NC_021163.1	Ca_kabuli_chr04	28295149	GG	AA	1940293099
SNP_P1_68551_28295405	NC_021163.1	Ca_kabuli_chr04	28295405	AA	GG	1940293101
SNP_P1_68553_28295685	NC_021163.1	Ca_kabuli_chr04	28295685	TT	CC	1940293102
SNP_P1_68554_28295761	NC_021163.1	Ca_kabuli_chr04	28295761	GG	AA	1940293104
SNP_P1_68555_28295789	NC_021163.1	Ca_kabuli_chr04	28295789	TT	CC	1940293106
SNP_P1_68556_28295815	NC_021163.1	Ca_kabuli_chr04	28295815	AA	GG	1940293107
SNP_P1_68557_28295827	NC_021163.1	Ca_kabuli_chr04	28295827	TT	CC	1940293109
SNP_P1_68558_28295831	NC_021163.1	Ca_kabuli_chr04	28295831	CC	AA	1940293111
SNP_P1_68559_28296148	NC_021163.1	Ca_kabuli_chr04	28296148	GG	AA	1940293112
SNP_P1_68562_28297217	NC_021163.1	Ca_kabuli_chr04	28297217	GG	AA	1940293114
SNP_P1_68563_28297497	NC_021163.1	Ca_kabuli_chr04	28297497	CC	TT	1940293116
SNP_P1_68564_28297498	NC_021163.1	Ca_kabuli_chr04	28297498	CC	TT	1940293117
SNP_P1_68565_28297507	NC_021163.1	Ca_kabuli_chr04	28297507	CC	TT	1940293119

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_68566_28298284	NC_021163.1	Ca_kabuli_chr04	28298284	GG	AA	1940293120
SNP_P1_68567_28298298	NC_021163.1	Ca_kabuli_chr04	28298298	TT	CC	1940293122
SNP_P1_68568_28303132	NC_021163.1	Ca_kabuli_chr04	28303132	TT	CC	1940293124
SNP_P1_68569_28306161	NC_021163.1	Ca_kabuli_chr04	28306161	GG	AA	1940293125
SNP_P1_68572_28314708	NC_021163.1	Ca_kabuli_chr04	28314708	CC	TT	1940293127
SNP_P1_68573_28314924	NC_021163.1	Ca_kabuli_chr04	28314924	TT	CC	1940293129
SNP_P1_68574_28314987	NC_021163.1	Ca_kabuli_chr04	28314987	CC	TT	1940293130
SNP_P1_68575_28315001	NC_021163.1	Ca_kabuli_chr04	28315001	GG	AA	1940293132
SNP_P1_68576_28315035	NC_021163.1	Ca_kabuli_chr04	28315035	AA	GG	1940293133
SNP_P1_68577_28315224	NC_021163.1	Ca_kabuli_chr04	28315224	TT	CC	1940293135
SNP_P1_68578_28315240	NC_021163.1	Ca_kabuli_chr04	28315240	AA	GG	1940293137
SNP_P1_68579_28315702	NC_021163.1	Ca_kabuli_chr04	28315702	GG	AA	1940293138
SNP_P1_68580_28315707	NC_021163.1	Ca_kabuli_chr04	28315707	CC	TT	1940293140
SNP_P1_68581_28316972	NC_021163.1	Ca_kabuli_chr04	28316972	GG	CC	1940293142
SNP_P1_68582_28317701	NC_021163.1	Ca_kabuli_chr04	28317701	GG	AA	1940293143
SNP_P1_68583_28317725	NC_021163.1	Ca_kabuli_chr04	28317725	CC	TT	1940293145
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SNP_P1_68585_28319086	NC_021163.1	Ca_kabuli_chr04	28319086	TT	CC	1940293148
SNP_P1_68587_28321125	NC_021163.1	Ca_kabuli_chr04	28321125	AA	GG	1940293150
SNP_P1_68588_28321465	NC_021163.1	Ca_kabuli_chr04	28321465	TT	CC	1940293152
SNP_P1_68589_28321474	NC_021163.1	Ca_kabuli_chr04	28321474	AA	GG	1940293153
SNP_P1_68590_28321483	NC_021163.1	Ca_kabuli_chr04	28321483	CC	AA	1940293155
SNP_P1_68592_28322708	NC_021163.1	Ca_kabuli_chr04	28322708	CC	TT	1940293157
SNP_P1_68593_28322733	NC_021163.1	Ca_kabuli_chr04	28322733	CC	TT	1940293158
SNP_P1_68594_28325790	NC_021163.1	Ca_kabuli_chr04	28325790	AA	TT	1940293160
SNP_P1_68595_28330245	NC_021163.1	Ca_kabuli_chr04	28330245	AA	CC	1940293161
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SNP_P1_68597_28330904	NC_021163.1	Ca_kabuli_chr04	28330904	GG	TT	1940293165
SNP_P1_68599_28331319	NC_021163.1	Ca_kabuli_chr04	28331319	TT	AA	1940293166
SNP_P1_68600_28332144	NC_021163.1	Ca_kabuli_chr04	28332144	TT	GG	1940293168
SNP_P1_68601_28333357	NC_021163.1	Ca_kabuli_chr04	28333357	CC	GG	1940293170
SNP_P1_68602_28334415	NC_021163.1	Ca_kabuli_chr04	28334415	TT	CC	1940293171
SNP_P1_68603_28334998	NC_021163.1	Ca_kabuli_chr04	28334998	CC	TT	1940293173
SNP_P1_68604_28336192	NC_021163.1	Ca_kabuli_chr04	28336192	TT	AA	1940293175
SNP_P1_68605_28336438	NC_021163.1	Ca_kabuli_chr04	28336438	AA	GG	1940293176
SNP_P1_68607_28337372	NC_021163.1	Ca_kabuli_chr04	28337372	CC	TT	1940293178
SNP_P1_68609_28337667	NC_021163.1	Ca_kabuli_chr04	28337667	AA	GG	1940293179
SNP_P1_68610_28337831	NC_021163.1	Ca_kabuli_chr04	28337831	AA	GG	1940293181
SNP_P1_68611_28338095	NC_021163.1	Ca_kabuli_chr04	28338095	TT	GG	1940293183
SNP_P1_68614_28339545	NC_021163.1	Ca_kabuli_chr04	28339545	TT	AA	1940293184
SNP_P1_68615_28339779	NC_021163.1	Ca_kabuli_chr04	28339779	GG	AA	1940293186
SNP_P1_68616_28339959	NC_021163.1	Ca_kabuli_chr04	28339959	AA	TT	1940293188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68618_28340316	NC_021163.1	Ca_kabuli_chr04	28340316	CC	TT	1940293191
SNP_P1_68619_28340736	NC_021163.1	Ca_kabuli_chr04	28340736	AA	GG	1940293193
SNP_P1_68620_28340956	NC_021163.1	Ca_kabuli_chr04	28340956	AA	TT	1940293194
SNP_P1_68621_28342326	NC_021163.1	Ca_kabuli_chr04	28342326	AA	CC	1940293196
SNP_P1_68622_28342608	NC_021163.1	Ca_kabuli_chr04	28342608	GG	TT	1940293197
SNP_P1_68623_28342625	NC_021163.1	Ca_kabuli_chr04	28342625	AA	GG	1940293199
SNP_P1_68625_28343009	NC_021163.1	Ca_kabuli_chr04	28343009	GG	AA	1940293201
SNP_P1_68626_28343097	NC_021163.1	Ca_kabuli_chr04	28343097	GG	AA	1940293202
SNP_P1_68627_28343496	NC_021163.1	Ca_kabuli_chr04	28343496	AA	GG	1940293204
SNP_P1_68628_28343977	NC_021163.1	Ca_kabuli_chr04	28343977	TT	CC	1940293206
SNP_P1_68629_28344282	NC_021163.1	Ca_kabuli_chr04	28344282	GG	TT	1940293207
SNP_P1_68630_28344284	NC_021163.1	Ca_kabuli_chr04	28344284	CC	TT	1940293209
SNP_P1_68631_28344324	NC_021163.1	Ca_kabuli_chr04	28344324	TT	CC	1940293211
SNP_P1_68632_28345953	NC_021163.1	Ca_kabuli_chr04	28345953	GG	AA	1940293212
SNP_P1_68634_28346711	NC_021163.1	Ca_kabuli_chr04	28346711	AA	TT	1940293214
SNP_P1_68635_28346971	NC_021163.1	Ca_kabuli_chr04	28346971	TT	GG	1940293216
SNP_P1_68636_28347578	NC_021163.1	Ca_kabuli_chr04	28347578	CC	TT	1940293217
SNP_P1_68637_28348474	NC_021163.1	Ca_kabuli_chr04	28348474	GG	AA	1940293219
SNP_P1_68638_28348626	NC_021163.1	Ca_kabuli_chr04	28348626	AA	TT	1940293221
SNP_P1_68639_28348641	NC_021163.1	Ca_kabuli_chr04	28348641	CC	GG	1940293222
SNP_P1_68640_28348651	NC_021163.1	Ca_kabuli_chr04	28348651	TT	GG	1940293224
SNP_P1_68641_28348658	NC_021163.1	Ca_kabuli_chr04	28348658	CC	TT	1940293225
SNP_P1_68643_28348723	NC_021163.1	Ca_kabuli_chr04	28348723	CC	TT	1940293227
SNP_P1_68644_28348904	NC_021163.1	Ca_kabuli_chr04	28348904	AA	GG	1940293229
SNP_P1_68646_28348983	NC_021163.1	Ca_kabuli_chr04	28348983	CC	TT	1940293230
SNP_P1_68647_28348984	NC_021163.1	Ca_kabuli_chr04	28348984	CC	TT	1940293232
SNP_P1_68648_28348993	NC_021163.1	Ca_kabuli_chr04	28348993	GG	CC	1940293234
SNP_P1_68649_28350587	NC_021163.1	Ca_kabuli_chr04	28350587	GG	AA	1940293235
SNP_P1_68650_28350879	NC_021163.1	Ca_kabuli_chr04	28350879	CC	TT	1940293237
SNP_P1_68651_28350942	NC_021163.1	Ca_kabuli_chr04	28350942	AA	GG	1940293239
SNP_P1_68652_28351321	NC_021163.1	Ca_kabuli_chr04	28351321	AA	TT	1940293240
SNP_P1_68654_28351364	NC_021163.1	Ca_kabuli_chr04	28351364	TT	AA	1940293242
SNP_P1_68655_28351365	NC_021163.1	Ca_kabuli_chr04	28351365	TT	AA	1940293243
SNP_P1_68656_28351366	NC_021163.1	Ca_kabuli_chr04	28351366	TT	AA	1940293245
SNP_P1_68657_28351919	NC_021163.1	Ca_kabuli_chr04	28351919	TT	CC	1940293247
SNP_P1_68658_28352009	NC_021163.1	Ca_kabuli_chr04	28352009	CC	AA	1940293248
SNP_P1_68659_28352034	NC_021163.1	Ca_kabuli_chr04	28352034	GG	AA	1940293250
SNP_P1_68660_28352100	NC_021163.1	Ca_kabuli_chr04	28352100	AA	GG	1940293252
SNP_P1_68661_28352231	NC_021163.1	Ca_kabuli_chr04	28352231	TT	CC	1940293253
SNP_P1_68662_28352636	NC_021163.1	Ca_kabuli_chr04	28352636	CC	AA	1940293255
SNP_P1_68663_28352979	NC_021163.1	Ca_kabuli_chr04	28352979	CC	TT	1940293257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_68664_28352991	NC_021163.1	Ca_kabuli_chr04	28352991	AA	GG	1940293258
SNP_P1_68665_28354883	NC_021163.1	Ca_kabuli_chr04	28354883	AA	CC	1940293260
SNP_P1_68666_28355126	NC_021163.1	Ca_kabuli_chr04	28355126	CC	TT	1940293262
SNP_P1_68667_28355149	NC_021163.1	Ca_kabuli_chr04	28355149	TT	CC	1940293263
SNP_P1_68668_28356115	NC_021163.1	Ca_kabuli_chr04	28356115	AA	GG	1940293265
SNP_P1_68669_28356163	NC_021163.1	Ca_kabuli_chr04	28356163	TT	CC	1940293266
SNP_P1_68670_28356339	NC_021163.1	Ca_kabuli_chr04	28356339	CC	TT	1940293268
SNP_P1_68671_28356513	NC_021163.1	Ca_kabuli_chr04	28356513	TT	CC	1940293270
SNP_P1_68672_28357937	NC_021163.1	Ca_kabuli_chr04	28357937	CC	TT	1940293271
SNP_P1_68673_28358054	NC_021163.1	Ca_kabuli_chr04	28358054	AA	TT	1940293273
SNP_P1_68674_28358293	NC_021163.1	Ca_kabuli_chr04	28358293	GG	AA	1940293275
SNP_P1_68675_28358422	NC_021163.1	Ca_kabuli_chr04	28358422	CC	GG	1940293276
SNP_P1_68677_28358561	NC_021163.1	Ca_kabuli_chr04	28358561	TT	GG	1940293278
SNP_P1_68678_28358587	NC_021163.1	Ca_kabuli_chr04	28358587	AA	TT	1940293279
SNP_P1_68680_28358771	NC_021163.1	Ca_kabuli_chr04	28358771	TT	CC	1940293281
SNP_P1_68681_28358952	NC_021163.1	Ca_kabuli_chr04	28358952	TT	CC	1940293283
SNP_P1_68682_28359386	NC_021163.1	Ca_kabuli_chr04	28359386	AA	GG	1940293284
SNP_P1_68683_28359396	NC_021163.1	Ca_kabuli_chr04	28359396	CC	TT	1940293286
SNP_P1_68684_28359406	NC_021163.1	Ca_kabuli_chr04	28359406	AA	GG	1940293288
SNP_P1_68685_28359414	NC_021163.1	Ca_kabuli_chr04	28359414	AA	TT	1940293289
SNP_P1_68686_28359538	NC_021163.1	Ca_kabuli_chr04	28359538	TT	CC	1940293291
SNP_P1_68687_28360363	NC_021163.1	Ca_kabuli_chr04	28360363	TT	CC	1940293293
SNP_P1_68688_28360417	NC_021163.1	Ca_kabuli_chr04	28360417	TT	AA	1940293294
SNP_P1_68689_28360793	NC_021163.1	Ca_kabuli_chr04	28360793	TT	CC	1940293296
SNP_P1_68690_28360798	NC_021163.1	Ca_kabuli_chr04	28360798	AA	GG	1940293298
SNP_P1_68691_28360900	NC_021163.1	Ca_kabuli_chr04	28360900	TT	CC	1940293299
SNP_P1_68693_28361630	NC_021163.1	Ca_kabuli_chr04	28361630	GG	TT	1940293301
SNP_P1_68696_28362318	NC_021163.1	Ca_kabuli_chr04	28362318	CC	TT	1940293302
SNP_P1_68697_28363615	NC_021163.1	Ca_kabuli_chr04	28363615	GG	AA	1940293304
SNP_P1_68698_28363621	NC_021163.1	Ca_kabuli_chr04	28363621	CC	TT	1940293306
SNP_P1_68699_28363945	NC_021163.1	Ca_kabuli_chr04	28363945	CC	GG	1940293307
SNP_P1_68700_28364211	NC_021163.1	Ca_kabuli_chr04	28364211	TT	GG	1940293309
SNP_P1_68701_28364236	NC_021163.1	Ca_kabuli_chr04	28364236	TT	CC	1940293311
SNP_P1_68702_28364466	NC_021163.1	Ca_kabuli_chr04	28364466	CC	AA	1940293312
SNP_P1_68704_28364769	NC_021163.1	Ca_kabuli_chr04	28364769	GG	AA	1940293314
SNP_P1_68705_28365647	NC_021163.1	Ca_kabuli_chr04	28365647	GG	AA	1940293316
SNP_P1_68706_28366047	NC_021163.1	Ca_kabuli_chr04	28366047	AA	GG	1940293317
SNP_P1_68707_28368506	NC_021163.1	Ca_kabuli_chr04	28368506	TT	GG	1940293319
SNP_P1_68708_28368841	NC_021163.1	Ca_kabuli_chr04	28368841	CC	AA	1940293321
SNP_P1_68710_28369557	NC_021163.1	Ca_kabuli_chr04	28369557	CC	TT	1940293322
SNP_P1_68711_28369576	NC_021163.1	Ca_kabuli_chr04	28369576	TT	CC	1940293324
SNP_P1_68714_28369987	NC_021163.1	Ca_kabuli_chr04	28369987	GG	AA	1940293325

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68716_28371573	NC_021163.1	Ca_kabuli_chr04	28371573	AA	TT	1940293329
SNP_P1_68717_28371687	NC_021163.1	Ca_kabuli_chr04	28371687	AA	TT	1940293330
SNP_P1_68718_28372102	NC_021163.1	Ca_kabuli_chr04	28372102	CC	TT	1940293332
SNP_P1_68721_28372886	NC_021163.1	Ca_kabuli_chr04	28372886	GG	TT	1940293334
SNP_P1_68722_28372900	NC_021163.1	Ca_kabuli_chr04	28372900	AA	TT	1940293335
SNP_P1_68724_28373526	NC_021163.1	Ca_kabuli_chr04	28373526	GG	AA	1940293337
SNP_P1_68725_28374304	NC_021163.1	Ca_kabuli_chr04	28374304	TT	CC	1940293339
SNP_P1_68727_28375006	NC_021163.1	Ca_kabuli_chr04	28375006	CC	GG	1940293340
SNP_P1_68728_28375268	NC_021163.1	Ca_kabuli_chr04	28375268	AA	GG	1940293342
SNP_P1_68729_28375441	NC_021163.1	Ca_kabuli_chr04	28375441	TT	CC	1940293344
SNP_P1_68730_28377294	NC_021163.1	Ca_kabuli_chr04	28377294	CC	TT	1940293345
SNP_P1_68732_28377927	NC_021163.1	Ca_kabuli_chr04	28377927	CC	TT	1940293347
SNP_P1_68733_28378790	NC_021163.1	Ca_kabuli_chr04	28378790	AA	GG	1940293348
SNP_P1_68734_28378938	NC_021163.1	Ca_kabuli_chr04	28378938	AA	CC	1940293350
SNP_P1_68735_28380264	NC_021163.1	Ca_kabuli_chr04	28380264	TT	GG	1940293352
SNP_P1_68736_28380278	NC_021163.1	Ca_kabuli_chr04	28380278	TT	GG	1940293353
SNP_P1_68738_28380486	NC_021163.1	Ca_kabuli_chr04	28380486	AA	CC	1940293355
SNP_P1_68739_28380592	NC_021163.1	Ca_kabuli_chr04	28380592	CC	TT	1940293357
SNP_P1_68740_28380629	NC_021163.1	Ca_kabuli_chr04	28380629	CC	TT	1940293358
SNP_P1_68741_28382349	NC_021163.1	Ca_kabuli_chr04	28382349	GG	AA	1940293360
SNP_P1_68742_28382524	NC_021163.1	Ca_kabuli_chr04	28382524	TT	GG	1940293362
SNP_P1_68743_28383989	NC_021163.1	Ca_kabuli_chr04	28383989	AA	CC	1940293363
SNP_P1_68744_28384225	NC_021163.1	Ca_kabuli_chr04	28384225	AA	CC	1940293365
SNP_P1_68745_28384832	NC_021163.1	Ca_kabuli_chr04	28384832	AA	GG	1940293366
SNP_P1_68746_28384849	NC_021163.1	Ca_kabuli_chr04	28384849	AA	GG	1940293368
SNP_P1_68748_28384871	NC_021163.1	Ca_kabuli_chr04	28384871	TT	CC	1940293370
SNP_P1_68749_28384891	NC_021163.1	Ca_kabuli_chr04	28384891	AA	CC	1940293371
SNP_P1_68750_28384977	NC_021163.1	Ca_kabuli_chr04	28384977	TT	CC	1940293373
SNP_P1_68751_28385150	NC_021163.1	Ca_kabuli_chr04	28385150	TT	CC	1940293375
SNP_P1_68752_28385164	NC_021163.1	Ca_kabuli_chr04	28385164	GG	CC	1940293376
SNP_P1_68753_28385206	NC_021163.1	Ca_kabuli_chr04	28385206	AA	GG	1940293378
SNP_P1_68754_28385297	NC_021163.1	Ca_kabuli_chr04	28385297	CC	TT	1940293380
SNP_P1_68755_28385348	NC_021163.1	Ca_kabuli_chr04	28385348	CC	AA	1940293381
SNP_P1_68756_28385355	NC_021163.1	Ca_kabuli_chr04	28385355	GG	AA	1940293383
SNP_P1_68757_28385361	NC_021163.1	Ca_kabuli_chr04	28385361	CC	TT	1940293385
SNP_P1_68758_28386598	NC_021163.1	Ca_kabuli_chr04	28386598	TT	AA	1940293386
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SNP_P1_68760_28386897	NC_021163.1	Ca_kabuli_chr04	28386897	GG	AA	1940293390
SNP_P1_68761_28387165	NC_021163.1	Ca_kabuli_chr04	28387165	AA	CC	1940293391
SNP_P1_68762_28387423	NC_021163.1	Ca_kabuli_chr04	28387423	CC	TT	1940293393
SNP_P1_68763_28387501	NC_021163.1	Ca_kabuli_chr04	28387501	GG	CC	1940293395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68766_28388498	NC_021163.1	Ca_kabuli_chr04	28388498	TT	GG	1940293400
SNP_P1_68767_28388502	NC_021163.1	Ca_kabuli_chr04	28388502	AA	GG	1940293401
SNP_P1_68768_28388588	NC_021163.1	Ca_kabuli_chr04	28388588	CC	TT	1940293403
SNP_P1_68769_28388604	NC_021163.1	Ca_kabuli_chr04	28388604	GG	AA	1940293405
SNP_P1_68770_28388624	NC_021163.1	Ca_kabuli_chr04	28388624	GG	TT	1940293406
SNP_P1_68771_28388713	NC_021163.1	Ca_kabuli_chr04	28388713	GG	CC	1940293408
SNP_P1_68772_28388743	NC_021163.1	Ca_kabuli_chr04	28388743	CC	TT	1940293409
SNP_P1_68773_28388744	NC_021163.1	Ca_kabuli_chr04	28388744	AA	GG	1940293411
SNP_P1_68774_28388748	NC_021163.1	Ca_kabuli_chr04	28388748	GG	CC	1940293413
SNP_P1_68775_28388814	NC_021163.1	Ca_kabuli_chr04	28388814	AA	GG	1940293414
SNP_P1_68776_28388964	NC_021163.1	Ca_kabuli_chr04	28388964	GG	TT	1940293416
SNP_P1_68777_28389012	NC_021163.1	Ca_kabuli_chr04	28389012	GG	AA	1940293418
SNP_P1_68778_28389015	NC_021163.1	Ca_kabuli_chr04	28389015	CC	GG	1940293419
SNP_P1_68779_28389165	NC_021163.1	Ca_kabuli_chr04	28389165	TT	GG	1940293421
SNP_P1_68780_28389171	NC_021163.1	Ca_kabuli_chr04	28389171	GG	AA	1940293423
SNP_P1_68781_28389349	NC_021163.1	Ca_kabuli_chr04	28389349	CC	TT	1940293424
SNP_P1_68782_28389351	NC_021163.1	Ca_kabuli_chr04	28389351	TT	GG	1940293426
SNP_P1_68783_28389500	NC_021163.1	Ca_kabuli_chr04	28389500	AA	CC	1940293428
SNP_P1_68784_28389509	NC_021163.1	Ca_kabuli_chr04	28389509	CC	TT	1940293429
SNP_P1_68785_28389524	NC_021163.1	Ca_kabuli_chr04	28389524	GG	AA	1940293431
SNP_P1_68786_28389929	NC_021163.1	Ca_kabuli_chr04	28389929	GG	AA	1940293432
SNP_P1_68787_28389930	NC_021163.1	Ca_kabuli_chr04	28389930	GG	AA	1940293434
SNP_P1_68788_28389956	NC_021163.1	Ca_kabuli_chr04	28389956	AA	CC	1940293436
SNP_P1_68789_28389957	NC_021163.1	Ca_kabuli_chr04	28389957	AA	TT	1940293438
SNP_P1_68790_28389958	NC_021163.1	Ca_kabuli_chr04	28389958	AA	TT	1940293439
SNP_P1_68791_28389988	NC_021163.1	Ca_kabuli_chr04	28389988	GG	AA	1940293441
SNP_P1_68792_28390229	NC_021163.1	Ca_kabuli_chr04	28390229	AA	CC	1940293442
SNP_P1_68793_28390231	NC_021163.1	Ca_kabuli_chr04	28390231	TT	CC	1940293444
SNP_P1_68794_28390274	NC_021163.1	Ca_kabuli_chr04	28390274	GG	AA	1940293446
SNP_P1_68796_28390285	NC_021163.1	Ca_kabuli_chr04	28390285	TT	CC	1940293447
SNP_P1_68797_28390293	NC_021163.1	Ca_kabuli_chr04	28390293	GG	AA	1940293449
SNP_P1_68798_28390297	NC_021163.1	Ca_kabuli_chr04	28390297	TT	GG	1940293451
SNP_P1_68799_28390316	NC_021163.1	Ca_kabuli_chr04	28390316	TT	GG	1940293452
SNP_P1_68800_28390330	NC_021163.1	Ca_kabuli_chr04	28390330	AA	CC	1940293454
SNP_P1_68801_28390342	NC_021163.1	Ca_kabuli_chr04	28390342	GG	AA	1940293456
SNP_P1_68803_28390532	NC_021163.1	Ca_kabuli_chr04	28390532	CC	TT	1940293457
SNP_P1_68804_28390546	NC_021163.1	Ca_kabuli_chr04	28390546	AA	GG	1940293459
SNP_P1_68805_28390570	NC_021163.1	Ca_kabuli_chr04	28390570	AA	CC	1940293461
SNP_P1_68806_28390580	NC_021163.1	Ca_kabuli_chr04	28390580	AA	CC	1940293462
SNP_P1_68807_28390720	NC_021163.1	Ca_kabuli_chr04	28390720	AA	GG	1940293464

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68809_28390772	NC_021163.1	Ca_kabuli_chr04	28390772	AA	CC	1940293467
SNP_P1_68810_28390831	NC_021163.1	Ca_kabuli_chr04	28390831	CC	TT	1940293469
SNP_P1_68811_28390937	NC_021163.1	Ca_kabuli_chr04	28390937	GG	TT	1940293471
SNP_P1_68812_28390971	NC_021163.1	Ca_kabuli_chr04	28390971	AA	GG	1940293472
SNP_P1_68813_28391211	NC_021163.1	Ca_kabuli_chr04	28391211	TT	CC	1940293474
SNP_P1_68814_28393952	NC_021163.1	Ca_kabuli_chr04	28393952	TT	CC	1940293475
SNP_P1_68815_28400486	NC_021163.1	Ca_kabuli_chr04	28400486	AA	GG	1940293477
SNP_P1_68816_28400490	NC_021163.1	Ca_kabuli_chr04	28400490	TT	CC	1940293479
SNP_P1_68818_28402293	NC_021163.1	Ca_kabuli_chr04	28402293	TT	AA	1940293480
SNP_P1_68820_28402883	NC_021163.1	Ca_kabuli_chr04	28402883	AA	CC	1940293482
SNP_P1_68821_28402908	NC_021163.1	Ca_kabuli_chr04	28402908	CC	TT	1940293484
SNP_P1_68822_28402942	NC_021163.1	Ca_kabuli_chr04	28402942	GG	AA	1940293485
SNP_P1_68823_28403197	NC_021163.1	Ca_kabuli_chr04	28403197	CC	TT	1940293487
SNP_P1_68824_28403227	NC_021163.1	Ca_kabuli_chr04	28403227	CC	TT	1940293489
SNP_P1_68825_28403280	NC_021163.1	Ca_kabuli_chr04	28403280	CC	TT	1940293490
SNP_P1_68826_28403571	NC_021163.1	Ca_kabuli_chr04	28403571	CC	TT	1940293492
SNP_P1_68827_28404488	NC_021163.1	Ca_kabuli_chr04	28404488	GG	AA	1940293493
SNP_P1_68829_28404609	NC_021163.1	Ca_kabuli_chr04	28404609	CC	TT	1940293495
SNP_P1_68830_28404826	NC_021163.1	Ca_kabuli_chr04	28404826	AA	GG	1940293497
SNP_P1_68831_28405140	NC_021163.1	Ca_kabuli_chr04	28405140	TT	CC	1940293498
SNP_P1_68832_28405622	NC_021163.1	Ca_kabuli_chr04	28405622	AA	TT	1940293500
SNP_P1_68833_28405743	NC_021163.1	Ca_kabuli_chr04	28405743	AA	TT	1940293502
SNP_P1_68834_28405963	NC_021163.1	Ca_kabuli_chr04	28405963	TT	GG	1940293503
SNP_P1_68835_28406142	NC_021163.1	Ca_kabuli_chr04	28406142	CC	TT	1940293505
SNP_P1_68836_28406281	NC_021163.1	Ca_kabuli_chr04	28406281	TT	CC	1940293507
SNP_P1_68837_28406323	NC_021163.1	Ca_kabuli_chr04	28406323	GG	TT	1940293508
SNP_P1_68838_28406342	NC_021163.1	Ca_kabuli_chr04	28406342	TT	CC	1940293510
SNP_P1_68840_28406556	NC_021163.1	Ca_kabuli_chr04	28406556	TT	AA	1940293511
SNP_P1_68841_28406816	NC_021163.1	Ca_kabuli_chr04	28406816	AA	GG	1940293513
SNP_P1_68842_28406926	NC_021163.1	Ca_kabuli_chr04	28406926	GG	AA	1940293515
SNP_P1_68843_28406975	NC_021163.1	Ca_kabuli_chr04	28406975	CC	TT	1940293516
SNP_P1_68844_28406987	NC_021163.1	Ca_kabuli_chr04	28406987	GG	TT	1940293518
SNP_P1_68845_28407080	NC_021163.1	Ca_kabuli_chr04	28407080	CC	TT	1940293520
SNP_P1_68846_28407087	NC_021163.1	Ca_kabuli_chr04	28407087	GG	AA	1940293521
SNP_P1_68847_28407109	NC_021163.1	Ca_kabuli_chr04	28407109	AA	GG	1940293523
SNP_P1_68848_28407122	NC_021163.1	Ca_kabuli_chr04	28407122	CC	TT	1940293525
SNP_P1_68851_28407790	NC_021163.1	Ca_kabuli_chr04	28407790	CC	TT	1940293526
SNP_P1_68852_28407826	NC_021163.1	Ca_kabuli_chr04	28407826	AA	CC	1940293528
SNP_P1_68854_28408170	NC_021163.1	Ca_kabuli_chr04	28408170	CC	TT	1940293529
SNP_P1_68855_28408172	NC_021163.1	Ca_kabuli_chr04	28408172	GG	TT	1940293531
SNP_P1_68856_28408501	NC_021163.1	Ca_kabuli_chr04	28408501	CC	TT	1940293533

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68858_28409655	NC_021163.1	Ca_kabuli_chr04	28409655	CC	TT	1940293536
SNP_P1_68859_28409884	NC_021163.1	Ca_kabuli_chr04	28409884	GG	AA	1940293538
SNP_P1_68860_28409888	NC_021163.1	Ca_kabuli_chr04	28409888	GG	AA	1940293539
SNP_P1_68861_28409889	NC_021163.1	Ca_kabuli_chr04	28409889	CC	TT	1940293541
SNP_P1_68862_28409937	NC_021163.1	Ca_kabuli_chr04	28409937	GG	AA	1940293543
SNP_P1_68863_28410000	NC_021163.1	Ca_kabuli_chr04	28410000	GG	TT	1940293544
SNP_P1_68864_28410050	NC_021163.1	Ca_kabuli_chr04	28410050	TT	CC	1940293546
SNP_P1_68865_28410086	NC_021163.1	Ca_kabuli_chr04	28410086	CC	AA	1940293547
SNP_P1_68866_28410089	NC_021163.1	Ca_kabuli_chr04	28410089	TT	CC	1940293549
SNP_P1_68867_28410172	NC_021163.1	Ca_kabuli_chr04	28410172	GG	AA	1940293551
SNP_P1_68869_28410349	NC_021163.1	Ca_kabuli_chr04	28410349	AA	TT	1940293552
SNP_P1_68870_28410359	NC_021163.1	Ca_kabuli_chr04	28410359	AA	GG	1940293554
SNP_P1_68871_28410462	NC_021163.1	Ca_kabuli_chr04	28410462	GG	AA	1940293556
SNP_P1_68872_28410552	NC_021163.1	Ca_kabuli_chr04	28410552	CC	AA	1940293557
SNP_P1_68873_28410555	NC_021163.1	Ca_kabuli_chr04	28410555	TT	CC	1940293559
SNP_P1_68874_28410740	NC_021163.1	Ca_kabuli_chr04	28410740	GG	AA	1940293561
SNP_P1_68875_28412377	NC_021163.1	Ca_kabuli_chr04	28412377	AA	GG	1940293562
SNP_P1_68876_28412556	NC_021163.1	Ca_kabuli_chr04	28412556	AA	CC	1940293564
SNP_P1_68877_28412669	NC_021163.1	Ca_kabuli_chr04	28412669	GG	AA	1940293565
SNP_P1_68878_28413033	NC_021163.1	Ca_kabuli_chr04	28413033	GG	AA	1940293567
SNP_P1_68879_28413659	NC_021163.1	Ca_kabuli_chr04	28413659	GG	AA	1940293569
SNP_P1_68880_28414260	NC_021163.1	Ca_kabuli_chr04	28414260	CC	GG	1940293570
SNP_P1_68881_28414277	NC_021163.1	Ca_kabuli_chr04	28414277	AA	GG	1940293572
SNP_P1_68883_28414450	NC_021163.1	Ca_kabuli_chr04	28414450	CC	TT	1940293574
SNP_P1_68884_28414785	NC_021163.1	Ca_kabuli_chr04	28414785	CC	GG	1940293575
SNP_P1_68886_28415659	NC_021163.1	Ca_kabuli_chr04	28415659	GG	AA	1940293577
SNP_P1_68888_28417868	NC_021163.1	Ca_kabuli_chr04	28417868	AA	GG	1940293579
SNP_P1_68889_28417904	NC_021163.1	Ca_kabuli_chr04	28417904	GG	CC	1940293580
SNP_P1_68890_28418016	NC_021163.1	Ca_kabuli_chr04	28418016	TT	GG	1940293582
SNP_P1_68891_28418069	NC_021163.1	Ca_kabuli_chr04	28418069	GG	AA	1940293583
SNP_P1_68892_28418081	NC_021163.1	Ca_kabuli_chr04	28418081	CC	TT	1940293585
SNP_P1_68893_28418142	NC_021163.1	Ca_kabuli_chr04	28418142	CC	TT	1940293587
SNP_P1_68894_28418173	NC_021163.1	Ca_kabuli_chr04	28418173	AA	GG	1940293588
SNP_P1_68896_28418278	NC_021163.1	Ca_kabuli_chr04	28418278	AA	TT	1940293590
SNP_P1_68897_28418594	NC_021163.1	Ca_kabuli_chr04	28418594	AA	GG	1940293592
SNP_P1_68898_28418611	NC_021163.1	Ca_kabuli_chr04	28418611	GG	TT	1940293593
SNP_P1_68899_28418743	NC_021163.1	Ca_kabuli_chr04	28418743	TT	CC	1940293595
SNP_P1_68900_28418915	NC_021163.1	Ca_kabuli_chr04	28418915	CC	GG	1940293597
SNP_P1_68901_28418967	NC_021163.1	Ca_kabuli_chr04	28418967	CC	AA	1940293598
SNP_P1_68902_28419019	NC_021163.1	Ca_kabuli_chr04	28419019	CC	GG	1940293600
SNP_P1_68903_28419192	NC_021163.1	Ca_kabuli_chr04	28419192	AA	TT	1940293601

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68905_28420026	NC_021163.1	Ca_kabuli_chr04	28420026	CC	AA	1940293605
SNP_P1_68906_28420654	NC_021163.1	Ca_kabuli_chr04	28420654	GG	AA	1940293606
SNP_P1_68907_28420900	NC_021163.1	Ca_kabuli_chr04	28420900	CC	TT	1940293608
SNP_P1_68910_28422481	NC_021163.1	Ca_kabuli_chr04	28422481	AA	GG	1940293610
SNP_P1_68911_28422514	NC_021163.1	Ca_kabuli_chr04	28422514	CC	TT	1940293611
SNP_P1_68913_28422649	NC_021163.1	Ca_kabuli_chr04	28422649	TT	GG	1940293613
SNP_P1_68915_28422984	NC_021163.1	Ca_kabuli_chr04	28422984	GG	TT	1940293615
SNP_P1_68916_28422991	NC_021163.1	Ca_kabuli_chr04	28422991	TT	GG	1940293616
SNP_P1_68918_28425249	NC_021163.1	Ca_kabuli_chr04	28425249	AA	GG	1940293618
SNP_P1_68919_28427765	NC_021163.1	Ca_kabuli_chr04	28427765	GG	CC	1940293619
SNP_P1_68920_28428493	NC_021163.1	Ca_kabuli_chr04	28428493	TT	AA	1940293621
SNP_P1_68921_28430442	NC_021163.1	Ca_kabuli_chr04	28430442	GG	AA	1940293623
SNP_P1_68922_28433092	NC_021163.1	Ca_kabuli_chr04	28433092	AA	GG	1940293624
SNP_P1_68923_28434947	NC_021163.1	Ca_kabuli_chr04	28434947	CC	TT	1940293626
SNP_P1_68924_28435045	NC_021163.1	Ca_kabuli_chr04	28435045	GG	AA	1940293628
SNP_P1_68925_28435085	NC_021163.1	Ca_kabuli_chr04	28435085	TT	CC	1940293629
SNP_P1_68926_28435101	NC_021163.1	Ca_kabuli_chr04	28435101	TT	CC	1940293631
SNP_P1_68927_28439777	NC_021163.1	Ca_kabuli_chr04	28439777	CC	TT	1940293633
SNP_P1_68928_28439797	NC_021163.1	Ca_kabuli_chr04	28439797	TT	CC	1940293634
SNP_P1_68930_28439855	NC_021163.1	Ca_kabuli_chr04	28439855	TT	GG	1940293636
SNP_P1_68931_28439895	NC_021163.1	Ca_kabuli_chr04	28439895	GG	TT	1940293637
SNP_P1_68932_28439912	NC_021163.1	Ca_kabuli_chr04	28439912	GG	AA	1940293639
SNP_P1_68934_28440594	NC_021163.1	Ca_kabuli_chr04	28440594	GG	AA	1940293641
SNP_P1_68935_28440627	NC_021163.1	Ca_kabuli_chr04	28440627	TT	CC	1940293642
SNP_P1_68937_28441437	NC_021163.1	Ca_kabuli_chr04	28441437	GG	AA	1940293644
SNP_P1_68938_28441456	NC_021163.1	Ca_kabuli_chr04	28441456	AA	CC	1940293646
SNP_P1_68939_28442364	NC_021163.1	Ca_kabuli_chr04	28442364	AA	TT	1940293647
SNP_P1_68940_28444180	NC_021163.1	Ca_kabuli_chr04	28444180	CC	TT	1940293649
SNP_P1_68941_28445461	NC_021163.1	Ca_kabuli_chr04	28445461	CC	TT	1940293651
SNP_P1_68942_28447061	NC_021163.1	Ca_kabuli_chr04	28447061	CC	TT	1940293652
SNP_P1_68943_28447423	NC_021163.1	Ca_kabuli_chr04	28447423	AA	GG	1940293654
SNP_P1_68944_28447679	NC_021163.1	Ca_kabuli_chr04	28447679	TT	CC	1940293655
SNP_P1_68946_28448471	NC_021163.1	Ca_kabuli_chr04	28448471	CC	GG	1940293657
SNP_P1_68947_28449078	NC_021163.1	Ca_kabuli_chr04	28449078	TT	CC	1940293659
SNP_P1_68948_28449130	NC_021163.1	Ca_kabuli_chr04	28449130	CC	TT	1940293660
SNP_P1_68950_28449503	NC_021163.1	Ca_kabuli_chr04	28449503	TT	AA	1940293662
SNP_P1_68951_28450186	NC_021163.1	Ca_kabuli_chr04	28450186	AA	TT	1940293664
SNP_P1_68952_28451346	NC_021163.1	Ca_kabuli_chr04	28451346	CC	AA	1940293665
SNP_P1_68953_28451395	NC_021163.1	Ca_kabuli_chr04	28451395	GG	AA	1940293667
SNP_P1_68954_28451481	NC_021163.1	Ca_kabuli_chr04	28451481	TT	CC	1940293669
SNP_P1_68955_28451743	NC_021163.1	Ca_kabuli_chr04	28451743	TT	CC	1940293670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_68957_28452617	NC_021163.1	Ca_kabuli_chr04	28452617	CC	TT	1940293674
SNP_P1_68958_28452740	NC_021163.1	Ca_kabuli_chr04	28452740	GG	TT	1940293675
SNP_P1_68959_28452775	NC_021163.1	Ca_kabuli_chr04	28452775	GG	CC	1940293677
SNP_P1_68960_28452892	NC_021163.1	Ca_kabuli_chr04	28452892	TT	CC	1940293678
SNP_P1_68961_28453371	NC_021163.1	Ca_kabuli_chr04	28453371	GG	TT	1940293680
SNP_P1_68962_28453470	NC_021163.1	Ca_kabuli_chr04	28453470	AA	GG	1940293682
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SNP_P1_68964_28453906	NC_021163.1	Ca_kabuli_chr04	28453906	CC	TT	1940293685
SNP_P1_68966_28455161	NC_021163.1	Ca_kabuli_chr04	28455161	GG	CC	1940293687
SNP_P1_68967_28455327	NC_021163.1	Ca_kabuli_chr04	28455327	GG	TT	1940293688
SNP_P1_68968_28457083	NC_021163.1	Ca_kabuli_chr04	28457083	AA	GG	1940293690
SNP_P1_68969_28457625	NC_021163.1	Ca_kabuli_chr04	28457625	AA	CC	1940293692
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SNP_P1_68972_28461902	NC_021163.1	Ca_kabuli_chr04	28461902	GG	AA	1940293695
SNP_P1_68973_28461905	NC_021163.1	Ca_kabuli_chr04	28461905	GG	AA	1940293696
SNP_P1_68974_28461913	NC_021163.1	Ca_kabuli_chr04	28461913	GG	TT	1940293698
SNP_P1_68975_28461926	NC_021163.1	Ca_kabuli_chr04	28461926	TT	AA	1940293700
SNP_P1_68976_28484288	NC_021163.1	Ca_kabuli_chr04	28484288	CC	AA	1940293701
SNP_P1_68977_28497048	NC_021163.1	Ca_kabuli_chr04	28497048	CC	TT	1940293703
SNP_P1_68979_28497131	NC_021163.1	Ca_kabuli_chr04	28497131	TT	AA	1940293705
SNP_P1_68980_28497380	NC_021163.1	Ca_kabuli_chr04	28497380	AA	GG	1940293706
SNP_P1_68981_28497646	NC_021163.1	Ca_kabuli_chr04	28497646	AA	GG	1940293708
SNP_P1_68982_28498498	NC_021163.1	Ca_kabuli_chr04	28498498	CC	TT	1940293709
SNP_P1_68984_28501327	NC_021163.1	Ca_kabuli_chr04	28501327	GG	TT	1940293711
SNP_P1_68986_28504684	NC_021163.1	Ca_kabuli_chr04	28504684	TT	GG	1940293713
SNP_P1_68987_28504685	NC_021163.1	Ca_kabuli_chr04	28504685	TT	AA	1940293714
SNP_P1_68988_28504697	NC_021163.1	Ca_kabuli_chr04	28504697	AA	TT	1940293716
SNP_P1_68989_28504769	NC_021163.1	Ca_kabuli_chr04	28504769	AA	TT	1940293718
SNP_P1_68991_28505507	NC_021163.1	Ca_kabuli_chr04	28505507	CC	AA	1940293719
SNP_P1_68992_28506447	NC_021163.1	Ca_kabuli_chr04	28506447	CC	TT	1940293721
SNP_P1_68993_28507242	NC_021163.1	Ca_kabuli_chr04	28507242	TT	AA	1940293723
SNP_P1_68994_28507452	NC_021163.1	Ca_kabuli_chr04	28507452	CC	TT	1940293724
SNP_P1_68995_28507533	NC_021163.1	Ca_kabuli_chr04	28507533	TT	CC	1940293726
SNP_P1_68997_28511834	NC_021163.1	Ca_kabuli_chr04	28511834	AA	GG	1940293727
SNP_P1_68999_28520446	NC_021163.1	Ca_kabuli_chr04	28520446	GG	TT	1940293729
SNP_P1_69000_28520506	NC_021163.1	Ca_kabuli_chr04	28520506	TT	AA	1940293731
SNP_P1_69001_28521507	NC_021163.1	Ca_kabuli_chr04	28521507	AA	GG	1940293732
SNP_P1_69003_28524838	NC_021163.1	Ca_kabuli_chr04	28524838	TT	GG	1940293734
SNP_P1_69004_28525317	NC_021163.1	Ca_kabuli_chr04	28525317	AA	TT	1940293736
SNP_P1_69005_28525612	NC_021163.1	Ca_kabuli_chr04	28525612	AA	GG	1940293737
SNP_P1_69006_28525892	NC_021163.1	Ca_kabuli_chr04	28525892	AA	GG	1940293739

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69008_28527045	NC_021163.1	Ca_kabuli_chr04	28527045	TT	GG	1940293742
SNP_P1_69009_28530408	NC_021163.1	Ca_kabuli_chr04	28530408	CC	TT	1940293744
SNP_P1_69010_28531081	NC_021163.1	Ca_kabuli_chr04	28531081	AA	GG	1940293745
SNP_P1_69011_28531269	NC_021163.1	Ca_kabuli_chr04	28531269	TT	CC	1940293747
SNP_P1_69012_28531376	NC_021163.1	Ca_kabuli_chr04	28531376	CC	GG	1940293749
SNP_P1_69013_28533437	NC_021163.1	Ca_kabuli_chr04	28533437	GG	AA	1940293750
SNP_P1_69014_28533639	NC_021163.1	Ca_kabuli_chr04	28533639	TT	CC	1940293752
SNP_P1_69015_28533909	NC_021163.1	Ca_kabuli_chr04	28533909	CC	TT	1940293754
SNP_P1_69017_28535424	NC_021163.1	Ca_kabuli_chr04	28535424	AA	GG	1940293755
SNP_P1_69018_28535437	NC_021163.1	Ca_kabuli_chr04	28535437	GG	AA	1940293757
SNP_P1_69020_28535830	NC_021163.1	Ca_kabuli_chr04	28535830	GG	AA	1940293759
SNP_P1_69021_28535872	NC_021163.1	Ca_kabuli_chr04	28535872	GG	AA	1940293760
SNP_P1_69022_28536182	NC_021163.1	Ca_kabuli_chr04	28536182	CC	GG	1940293762
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SNP_P1_69025_28541053	NC_021163.1	Ca_kabuli_chr04	28541053	TT	CC	1940293767
SNP_P1_69026_28541219	NC_021163.1	Ca_kabuli_chr04	28541219	TT	CC	1940293768
SNP_P1_69027_28541281	NC_021163.1	Ca_kabuli_chr04	28541281	TT	CC	1940293770
SNP_P1_69028_28541286	NC_021163.1	Ca_kabuli_chr04	28541286	CC	GG	1940293772
SNP_P1_69029_28541611	NC_021163.1	Ca_kabuli_chr04	28541611	GG	AA	1940293773
SNP_P1_69032_28546855	NC_021163.1	Ca_kabuli_chr04	28546855	TT	CC	1940293775
SNP_P1_69033_28555442	NC_021163.1	Ca_kabuli_chr04	28555442	AA	GG	1940293777
SNP_P1_69035_28559899	NC_021163.1	Ca_kabuli_chr04	28559899	GG	TT	1940293778
SNP_P1_69036_28564087	NC_021163.1	Ca_kabuli_chr04	28564087	AA	GG	1940293780
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SNP_P1_69039_28572562	NC_021163.1	Ca_kabuli_chr04	28572562	AA	TT	1940293785
SNP_P1_69041_28576917	NC_021163.1	Ca_kabuli_chr04	28576917	TT	GG	1940293786
SNP_P1_69043_28581984	NC_021163.1	Ca_kabuli_chr04	28581984	AA	GG	1940293788
SNP_P1_69045_28582111	NC_021163.1	Ca_kabuli_chr04	28582111	CC	TT	1940293790
SNP_P1_69046_28583725	NC_021163.1	Ca_kabuli_chr04	28583725	AA	GG	1940293791
SNP_P1_69047_28583734	NC_021163.1	Ca_kabuli_chr04	28583734	GG	AA	1940293793
SNP_P1_69048_28583738	NC_021163.1	Ca_kabuli_chr04	28583738	TT	CC	1940293795
SNP_P1_69050_28584103	NC_021163.1	Ca_kabuli_chr04	28584103	GG	TT	1940293796
SNP_P1_69051_28584851	NC_021163.1	Ca_kabuli_chr04	28584851	AA	GG	1940293798
SNP_P1_69052_28585200	NC_021163.1	Ca_kabuli_chr04	28585200	TT	CC	1940293799
SNP_P1_69053_28585237	NC_021163.1	Ca_kabuli_chr04	28585237	AA	GG	1940293801
SNP_P1_69054_28585282	NC_021163.1	Ca_kabuli_chr04	28585282	CC	TT	1940293803
SNP_P1_69055_28585571	NC_021163.1	Ca_kabuli_chr04	28585571	TT	GG	1940293804
SNP_P1_69056_28585581	NC_021163.1	Ca_kabuli_chr04	28585581	GG	AA	1940293806
SNP_P1_69057_28585654	NC_021163.1	Ca_kabuli_chr04	28585654	TT	AA	1940293808

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69062_28591163	NC_021163.1	Ca_kabuli_chr04	28591163	GG	AA	1940293813
SNP_P1_69063_28592973	NC_021163.1	Ca_kabuli_chr04	28592973	GG	AA	1940293814
SNP_P1_69064_28607479	NC_021163.1	Ca_kabuli_chr04	28607479	AA	GG	1940293816
SNP_P1_69065_28607556	NC_021163.1	Ca_kabuli_chr04	28607556	GG	AA	1940293818
SNP_P1_69066_28607637	NC_021163.1	Ca_kabuli_chr04	28607637	CC	TT	1940293819
SNP_P1_69067_28607822	NC_021163.1	Ca_kabuli_chr04	28607822	AA	GG	1940293821
SNP_P1_69068_28608085	NC_021163.1	Ca_kabuli_chr04	28608085	CC	TT	1940293822
SNP_P1_69069_28608308	NC_021163.1	Ca_kabuli_chr04	28608308	AA	GG	1940293824
SNP_P1_69070_28608665	NC_021163.1	Ca_kabuli_chr04	28608665	GG	AA	1940293826
SNP_P1_69071_28609443	NC_021163.1	Ca_kabuli_chr04	28609443	GG	AA	1940293827
SNP_P1_69072_28610573	NC_021163.1	Ca_kabuli_chr04	28610573	TT	CC	1940293829
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SNP_P1_69075_28622013	NC_021163.1	Ca_kabuli_chr04	28622013	CC	AA	1940293832
SNP_P1_69077_28623364	NC_021163.1	Ca_kabuli_chr04	28623364	CC	TT	1940293834
SNP_P1_69078_28624792	NC_021163.1	Ca_kabuli_chr04	28624792	TT	AA	1940293836
SNP_P1_69079_28627600	NC_021163.1	Ca_kabuli_chr04	28627600	GG	AA	1940293837
SNP_P1_69080_28630055	NC_021163.1	Ca_kabuli_chr04	28630055	TT	AA	1940293839
SNP_P1_69081_28631070	NC_021163.1	Ca_kabuli_chr04	28631070	AA	GG	1940293840
SNP_P1_69082_28632076	NC_021163.1	Ca_kabuli_chr04	28632076	TT	CC	1940293842
SNP_P1_69083_28633181	NC_021163.1	Ca_kabuli_chr04	28633181	GG	AA	1940293844
SNP_P1_69084_28633960	NC_021163.1	Ca_kabuli_chr04	28633960	TT	CC	1940293845
SNP_P1_69085_28634953	NC_021163.1	Ca_kabuli_chr04	28634953	TT	CC	1940293847
SNP_P1_69086_28634964	NC_021163.1	Ca_kabuli_chr04	28634964	TT	CC	1940293849
SNP_P1_69087_28635269	NC_021163.1	Ca_kabuli_chr04	28635269	TT	CC	1940293850
SNP_P1_69088_28635821	NC_021163.1	Ca_kabuli_chr04	28635821	CC	TT	1940293852
SNP_P1_69089_28635850	NC_021163.1	Ca_kabuli_chr04	28635850	TT	CC	1940293854
SNP_P1_69091_28638973	NC_021163.1	Ca_kabuli_chr04	28638973	TT	AA	1940293855
SNP_P1_69092_28638994	NC_021163.1	Ca_kabuli_chr04	28638994	AA	CC	1940293857
SNP_P1_69093_28638995	NC_021163.1	Ca_kabuli_chr04	28638995	AA	TT	1940293859
SNP_P1_69094_28639032	NC_021163.1	Ca_kabuli_chr04	28639032	TT	CC	1940293860
SNP_P1_69095_28639498	NC_021163.1	Ca_kabuli_chr04	28639498	GG	TT	1940293862
SNP_P1_69096_28639500	NC_021163.1	Ca_kabuli_chr04	28639500	CC	TT	1940293863
SNP_P1_69097_28640117	NC_021163.1	Ca_kabuli_chr04	28640117	GG	AA	1940293865
SNP_P1_69098_28640316	NC_021163.1	Ca_kabuli_chr04	28640316	TT	AA	1940293867
SNP_P1_69099_28640374	NC_021163.1	Ca_kabuli_chr04	28640374	CC	TT	1940293868
SNP_P1_69100_28641139	NC_021163.1	Ca_kabuli_chr04	28641139	GG	AA	1940293870
SNP_P1_69101_28642702	NC_021163.1	Ca_kabuli_chr04	28642702	AA	TT	1940293872
SNP_P1_69102_28645633	NC_021163.1	Ca_kabuli_chr04	28645633	AA	GG	1940293873
SNP_P1_69103_28646258	NC_021163.1	Ca_kabuli_chr04	28646258	AA	GG	1940293875
SNP_P1_69104_28646273	NC_021163.1	Ca_kabuli_chr04	28646273	AA	GG	1940293877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69106_28655608	NC_021163.1	Ca_kabuli_chr04	28655608	CC	TT	1940293880
SNP_P1_69107_28663748	NC_021163.1	Ca_kabuli_chr04	28663748	GG	AA	1940293882
SNP_P1_69108_28664073	NC_021163.1	Ca_kabuli_chr04	28664073	CC	TT	1940293883
SNP_P1_69109_28664109	NC_021163.1	Ca_kabuli_chr04	28664109	TT	AA	1940293885
SNP_P1_69110_28669450	NC_021163.1	Ca_kabuli_chr04	28669450	CC	AA	1940293886
SNP_P1_69111_28674375	NC_021163.1	Ca_kabuli_chr04	28674375	CC	TT	1940293888
SNP_P1_69112_28674393	NC_021163.1	Ca_kabuli_chr04	28674393	AA	CC	1940293890
SNP_P1_69113_28674553	NC_021163.1	Ca_kabuli_chr04	28674553	TT	GG	1940293891
SNP_P1_69114_28674554	NC_021163.1	Ca_kabuli_chr04	28674554	GG	TT	1940293893
SNP_P1_69115_28674583	NC_021163.1	Ca_kabuli_chr04	28674583	CC	TT	1940293895
SNP_P1_69116_28675065	NC_021163.1	Ca_kabuli_chr04	28675065	AA	GG	1940293896
SNP_P1_69117_28675074	NC_021163.1	Ca_kabuli_chr04	28675074	AA	GG	1940293898
SNP_P1_69118_28675083	NC_021163.1	Ca_kabuli_chr04	28675083	TT	AA	1940293899
SNP_P1_69119_28675207	NC_021163.1	Ca_kabuli_chr04	28675207	TT	GG	1940293901
SNP_P1_69120_28688840	NC_021163.1	Ca_kabuli_chr04	28688840	CC	TT	1940293903
SNP_P1_69121_28689614	NC_021163.1	Ca_kabuli_chr04	28689614	TT	CC	1940293904
SNP_P1_69122_28691770	NC_021163.1	Ca_kabuli_chr04	28691770	GG	AA	1940293906
SNP_P1_69123_28691891	NC_021163.1	Ca_kabuli_chr04	28691891	TT	CC	1940293908
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SNP_P1_69126_28698627	NC_021163.1	Ca_kabuli_chr04	28698627	TT	CC	1940293913
SNP_P1_69127_28698630	NC_021163.1	Ca_kabuli_chr04	28698630	TT	AA	1940293914
SNP_P1_69128_28698633	NC_021163.1	Ca_kabuli_chr04	28698633	AA	CC	1940293916
SNP_P1_69129_28698639	NC_021163.1	Ca_kabuli_chr04	28698639	TT	AA	1940293918
SNP_P1_69130_28701184	NC_021163.1	Ca_kabuli_chr04	28701184	CC	GG	1940293919
SNP_P1_69131_28702370	NC_021163.1	Ca_kabuli_chr04	28702370	GG	CC	1940293921
SNP_P1_69132_28714936	NC_021163.1	Ca_kabuli_chr04	28714936	AA	GG	1940293922
SNP_P1_69133_28714941	NC_021163.1	Ca_kabuli_chr04	28714941	CC	TT	1940293924
SNP_P1_69134_28714950	NC_021163.1	Ca_kabuli_chr04	28714950	CC	TT	1940293926
SNP_P1_69135_28714968	NC_021163.1	Ca_kabuli_chr04	28714968	CC	GG	1940293927
SNP_P1_69136_28714986	NC_021163.1	Ca_kabuli_chr04	28714986	GG	AA	1940293929
SNP_P1_69138_28715024	NC_021163.1	Ca_kabuli_chr04	28715024	GG	AA	1940293931
SNP_P1_69139_28715123	NC_021163.1	Ca_kabuli_chr04	28715123	TT	AA	1940293932
SNP_P1_69140_28715129	NC_021163.1	Ca_kabuli_chr04	28715129	CC	TT	1940293934
SNP_P1_69141_28715137	NC_021163.1	Ca_kabuli_chr04	28715137	TT	GG	1940293936
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SNP_P1_69143_28715227	NC_021163.1	Ca_kabuli_chr04	28715227	AA	GG	1940293939
SNP_P1_69144_28715242	NC_021163.1	Ca_kabuli_chr04	28715242	GG	AA	1940293940
SNP_P1_69145_28727007	NC_021163.1	Ca_kabuli_chr04	28727007	TT	AA	1940293942
SNP_P1_69146_28727126	NC_021163.1	Ca_kabuli_chr04	28727126	TT	CC	1940293944
SNP_P1_69147_28727130	NC_021163.1	Ca_kabuli_chr04	28727130	TT	AA	1940293945

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69150_28727210	NC_021163.1	Ca_kabuli_chr04	28727210	CC	TT	1940293950
SNP_P1_69151_28771609	NC_021163.1	Ca_kabuli_chr04	28771609	TT	AA	1940293952
SNP_P1_69153_28772013	NC_021163.1	Ca_kabuli_chr04	28772013	TT	CC	1940293954
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SNP_P1_69156_28776487	NC_021163.1	Ca_kabuli_chr04	28776487	AA	TT	1940293958
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SNP_P1_69159_28777629	NC_021163.1	Ca_kabuli_chr04	28777629	TT	CC	1940293963
SNP_P1_69160_28778150	NC_021163.1	Ca_kabuli_chr04	28778150	TT	AA	1940293965
SNP_P1_69161_28778167	NC_021163.1	Ca_kabuli_chr04	28778167	CC	TT	1940293967
SNP_P1_69162_28780898	NC_021163.1	Ca_kabuli_chr04	28780898	TT	CC	1940293968
SNP_P1_69163_28781318	NC_021163.1	Ca_kabuli_chr04	28781318	GG	AA	1940293970
SNP_P1_69164_28781851	NC_021163.1	Ca_kabuli_chr04	28781851	CC	TT	1940293972
SNP_P1_69165_28782512	NC_021163.1	Ca_kabuli_chr04	28782512	AA	TT	1940293973
SNP_P1_69166_28783252	NC_021163.1	Ca_kabuli_chr04	28783252	CC	TT	1940293975
SNP_P1_69168_28783956	NC_021163.1	Ca_kabuli_chr04	28783956	CC	AA	1940293976
SNP_P1_69169_28783970	NC_021163.1	Ca_kabuli_chr04	28783970	TT	CC	1940293978
SNP_P1_69170_28784308	NC_021163.1	Ca_kabuli_chr04	28784308	CC	TT	1940293980
SNP_P1_69171_28785175	NC_021163.1	Ca_kabuli_chr04	28785175	GG	AA	1940293981
SNP_P1_69172_28785891	NC_021163.1	Ca_kabuli_chr04	28785891	GG	CC	1940293983
SNP_P1_69173_28786161	NC_021163.1	Ca_kabuli_chr04	28786161	TT	CC	1940293985
SNP_P1_69175_28792125	NC_021163.1	Ca_kabuli_chr04	28792125	GG	AA	1940293986
SNP_P1_69177_28793924	NC_021163.1	Ca_kabuli_chr04	28793924	GG	AA	1940293988
SNP_P1_69178_28794130	NC_021163.1	Ca_kabuli_chr04	28794130	GG	TT	1940293990
SNP_P1_69179_28794351	NC_021163.1	Ca_kabuli_chr04	28794351	GG	TT	1940293991
SNP_P1_69180_28794380	NC_021163.1	Ca_kabuli_chr04	28794380	CC	TT	1940293993
SNP_P1_69181_28794384	NC_021163.1	Ca_kabuli_chr04	28794384	TT	CC	1940293994
SNP_P1_69182_28794903	NC_021163.1	Ca_kabuli_chr04	28794903	GG	TT	1940293996
SNP_P1_69183_28794911	NC_021163.1	Ca_kabuli_chr04	28794911	TT	CC	1940293998
SNP_P1_69184_28794921	NC_021163.1	Ca_kabuli_chr04	28794921	GG	TT	1940293999
SNP_P1_69185_28795023	NC_021163.1	Ca_kabuli_chr04	28795023	GG	TT	1940294001
SNP_P1_69186_28799571	NC_021163.1	Ca_kabuli_chr04	28799571	TT	AA	1940294003
SNP_P1_69187_28799574	NC_021163.1	Ca_kabuli_chr04	28799574	CC	GG	1940294004
SNP_P1_69188_28799646	NC_021163.1	Ca_kabuli_chr04	28799646	GG	TT	1940294006
SNP_P1_69189_28800834	NC_021163.1	Ca_kabuli_chr04	28800834	GG	TT	1940294008
SNP_P1_69190_28801643	NC_021163.1	Ca_kabuli_chr04	28801643	GG	CC	1940294009
SNP_P1_69191_28801674	NC_021163.1	Ca_kabuli_chr04	28801674	CC	TT	1940294011
SNP_P1_69192_28801770	NC_021163.1	Ca_kabuli_chr04	28801770	CC	GG	1940294013
SNP_P1_69193_28801813	NC_021163.1	Ca_kabuli_chr04	28801813	CC	TT	1940294014

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69195_28801820	NC_021163.1	Ca_kabuli_chr04	28801820	AA	GG	1940294017
SNP_P1_69196_28801828	NC_021163.1	Ca_kabuli_chr04	28801828	GG	CC	1940294019
SNP_P1_69197_28801835	NC_021163.1	Ca_kabuli_chr04	28801835	CC	AA	1940294021
SNP_P1_69198_28801905	NC_021163.1	Ca_kabuli_chr04	28801905	TT	GG	1940294022
SNP_P1_69199_28801920	NC_021163.1	Ca_kabuli_chr04	28801920	TT	CC	1940294024
SNP_P1_69200_28801930	NC_021163.1	Ca_kabuli_chr04	28801930	TT	CC	1940294026
SNP_P1_69201_28801944	NC_021163.1	Ca_kabuli_chr04	28801944	GG	TT	1940294027
SNP_P1_69202_28801974	NC_021163.1	Ca_kabuli_chr04	28801974	CC	GG	1940294029
SNP_P1_69203_28802015	NC_021163.1	Ca_kabuli_chr04	28802015	TT	CC	1940294031
SNP_P1_69205_28802039	NC_021163.1	Ca_kabuli_chr04	28802039	CC	AA	1940294032
SNP_P1_69206_28802133	NC_021163.1	Ca_kabuli_chr04	28802133	TT	GG	1940294034
SNP_P1_69207_28802148	NC_021163.1	Ca_kabuli_chr04	28802148	AA	GG	1940294035
SNP_P1_69208_28802196	NC_021163.1	Ca_kabuli_chr04	28802196	GG	AA	1940294037
SNP_P1_69210_28802310	NC_021163.1	Ca_kabuli_chr04	28802310	TT	CC	1940294039
SNP_P1_69211_28802405	NC_021163.1	Ca_kabuli_chr04	28802405	TT	CC	1940294040
SNP_P1_69212_28802642	NC_021163.1	Ca_kabuli_chr04	28802642	AA	CC	1940294042
SNP_P1_69213_28802661	NC_021163.1	Ca_kabuli_chr04	28802661	GG	AA	1940294044
SNP_P1_69214_28802700	NC_021163.1	Ca_kabuli_chr04	28802700	GG	AA	1940294045
SNP_P1_69215_28802987	NC_021163.1	Ca_kabuli_chr04	28802987	AA	TT	1940294047
SNP_P1_69216_28803003	NC_021163.1	Ca_kabuli_chr04	28803003	TT	CC	1940294049
SNP_P1_69217_28803030	NC_021163.1	Ca_kabuli_chr04	28803030	AA	TT	1940294050
SNP_P1_69218_28805319	NC_021163.1	Ca_kabuli_chr04	28805319	AA	GG	1940294052
SNP_P1_69219_28805322	NC_021163.1	Ca_kabuli_chr04	28805322	CC	TT	1940294054
SNP_P1_69220_28805327	NC_021163.1	Ca_kabuli_chr04	28805327	GG	AA	1940294055
SNP_P1_69221_28805354	NC_021163.1	Ca_kabuli_chr04	28805354	AA	GG	1940294057
SNP_P1_69222_28805405	NC_021163.1	Ca_kabuli_chr04	28805405	TT	CC	1940294058
SNP_P1_69223_28805536	NC_021163.1	Ca_kabuli_chr04	28805536	GG	AA	1940294060
SNP_P1_69224_28805539	NC_021163.1	Ca_kabuli_chr04	28805539	AA	GG	1940294062
SNP_P1_69225_28805551	NC_021163.1	Ca_kabuli_chr04	28805551	AA	TT	1940294063
SNP_P1_69226_28805553	NC_021163.1	Ca_kabuli_chr04	28805553	AA	CC	1940294065
SNP_P1_69227_28805637	NC_021163.1	Ca_kabuli_chr04	28805637	CC	TT	1940294067
SNP_P1_69228_28805639	NC_021163.1	Ca_kabuli_chr04	28805639	AA	GG	1940294068
SNP_P1_69230_28806639	NC_021163.1	Ca_kabuli_chr04	28806639	CC	TT	1940294070
SNP_P1_69231_28806816	NC_021163.1	Ca_kabuli_chr04	28806816	GG	AA	1940294072
SNP_P1_69232_28806835	NC_021163.1	Ca_kabuli_chr04	28806835	CC	TT	1940294073
SNP_P1_69233_28806847	NC_021163.1	Ca_kabuli_chr04	28806847	AA	TT	1940294075
SNP_P1_69234_28806856	NC_021163.1	Ca_kabuli_chr04	28806856	CC	TT	1940294077
SNP_P1_69235_28818162	NC_021163.1	Ca_kabuli_chr04	28818162	GG	AA	1940294078
SNP_P1_69236_28818436	NC_021163.1	Ca_kabuli_chr04	28818436	TT	CC	1940294080
SNP_P1_69237_28818438	NC_021163.1	Ca_kabuli_chr04	28818438	GG	AA	1940294081
SNP_P1_69238_28818474	NC_021163.1	Ca_kabuli_chr04	28818474	AA	GG	1940294083

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69240_28818520	NC_021163.1	Ca_kabuli_chr04	28818520	TT	AA	1940294086
SNP_P1_69241_28818666	NC_021163.1	Ca_kabuli_chr04	28818666	CC	TT	1940294088
SNP_P1_69242_28818738	NC_021163.1	Ca_kabuli_chr04	28818738	AA	GG	1940294090
SNP_P1_69243_28819896	NC_021163.1	Ca_kabuli_chr04	28819896	GG	AA	1940294091
SNP_P1_69244_28822313	NC_021163.1	Ca_kabuli_chr04	28822313	GG	AA	1940294093
SNP_P1_69245_28822583	NC_021163.1	Ca_kabuli_chr04	28822583	GG	AA	1940294095
SNP_P1_69247_28822918	NC_021163.1	Ca_kabuli_chr04	28822918	AA	GG	1940294096
SNP_P1_69248_28823013	NC_021163.1	Ca_kabuli_chr04	28823013	CC	TT	1940294098
SNP_P1_69249_28823704	NC_021163.1	Ca_kabuli_chr04	28823704	GG	AA	1940294099
SNP_P1_69250_28823718	NC_021163.1	Ca_kabuli_chr04	28823718	CC	TT	1940294101
SNP_P1_69251_28823721	NC_021163.1	Ca_kabuli_chr04	28823721	AA	GG	1940294103
SNP_P1_69252_28823956	NC_021163.1	Ca_kabuli_chr04	28823956	TT	CC	1940294104
SNP_P1_69253_28823961	NC_021163.1	Ca_kabuli_chr04	28823961	AA	GG	1940294106
SNP_P1_69254_28824553	NC_021163.1	Ca_kabuli_chr04	28824553	CC	GG	1940294108
SNP_P1_69255_28824613	NC_021163.1	Ca_kabuli_chr04	28824613	AA	TT	1940294109
SNP_P1_69256_28824619	NC_021163.1	Ca_kabuli_chr04	28824619	GG	CC	1940294111
SNP_P1_69257_28824814	NC_021163.1	Ca_kabuli_chr04	28824814	GG	AA	1940294113
SNP_P1_69258_28824903	NC_021163.1	Ca_kabuli_chr04	28824903	AA	TT	1940294114
SNP_P1_69259_28825199	NC_021163.1	Ca_kabuli_chr04	28825199	TT	CC	1940294116
SNP_P1_69260_28825201	NC_021163.1	Ca_kabuli_chr04	28825201	AA	CC	1940294118
SNP_P1_69261_28827525	NC_021163.1	Ca_kabuli_chr04	28827525	GG	CC	1940294119
SNP_P1_69262_28828631	NC_021163.1	Ca_kabuli_chr04	28828631	TT	GG	1940294121
SNP_P1_69263_28828632	NC_021163.1	Ca_kabuli_chr04	28828632	CC	TT	1940294123
SNP_P1_69264_28828726	NC_021163.1	Ca_kabuli_chr04	28828726	TT	CC	1940294124
SNP_P1_69266_28829543	NC_021163.1	Ca_kabuli_chr04	28829543	AA	GG	1940294126
SNP_P1_69267_28829544	NC_021163.1	Ca_kabuli_chr04	28829544	TT	AA	1940294127
SNP_P1_69268_28829846	NC_021163.1	Ca_kabuli_chr04	28829846	GG	AA	1940294129
SNP_P1_69269_28830388	NC_021163.1	Ca_kabuli_chr04	28830388	AA	CC	1940294131
SNP_P1_69270_28830758	NC_021163.1	Ca_kabuli_chr04	28830758	GG	AA	1940294132
SNP_P1_69271_28833725	NC_021163.1	Ca_kabuli_chr04	28833725	TT	AA	1940294134
SNP_P1_69273_28835332	NC_021163.1	Ca_kabuli_chr04	28835332	GG	AA	1940294136
SNP_P1_69274_28835536	NC_021163.1	Ca_kabuli_chr04	28835536	GG	AA	1940294137
SNP_P1_69275_28835538	NC_021163.1	Ca_kabuli_chr04	28835538	CC	TT	1940294139
SNP_P1_69276_28835752	NC_021163.1	Ca_kabuli_chr04	28835752	TT	AA	1940294140
SNP_P1_69277_28842263	NC_021163.1	Ca_kabuli_chr04	28842263	AA	GG	1940294142
SNP_P1_69278_28842278	NC_021163.1	Ca_kabuli_chr04	28842278	GG	AA	1940294144
SNP_P1_69279_28842950	NC_021163.1	Ca_kabuli_chr04	28842950	GG	AA	1940294145
SNP_P1_69280_28843487	NC_021163.1	Ca_kabuli_chr04	28843487	GG	CC	1940294147
SNP_P1_69281_28843803	NC_021163.1	Ca_kabuli_chr04	28843803	CC	TT	1940294149
SNP_P1_69282_28843814	NC_021163.1	Ca_kabuli_chr04	28843814	TT	CC	1940294150
SNP_P1_69283_28844854	NC_021163.1	Ca_kabuli_chr04	28844854	TT	CC	1940294152

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69285_28848599	NC_021163.1	Ca_kabuli_chr04	28848599	AA	TT	1940294155
SNP_P1_69286_28848719	NC_021163.1	Ca_kabuli_chr04	28848719	GG	AA	1940294157
SNP_P1_69289_28849437	NC_021163.1	Ca_kabuli_chr04	28849437	CC	TT	1940294159
SNP_P1_69291_28853122	NC_021163.1	Ca_kabuli_chr04	28853122	AA	GG	1940294160
SNP_P1_69293_28853250	NC_021163.1	Ca_kabuli_chr04	28853250	GG	AA	1940294162
SNP_P1_69294_28853268	NC_021163.1	Ca_kabuli_chr04	28853268	AA	GG	1940294163
SNP_P1_69295_28853312	NC_021163.1	Ca_kabuli_chr04	28853312	GG	AA	1940294165
SNP_P1_69297_28856543	NC_021163.1	Ca_kabuli_chr04	28856543	AA	CC	1940294167
SNP_P1_69298_28856731	NC_021163.1	Ca_kabuli_chr04	28856731	GG	TT	1940294168
SNP_P1_69300_28856990	NC_021163.1	Ca_kabuli_chr04	28856990	TT	CC	1940294170
SNP_P1_69301_28857130	NC_021163.1	Ca_kabuli_chr04	28857130	TT	CC	1940294172
SNP_P1_69302_28859064	NC_021163.1	Ca_kabuli_chr04	28859064	CC	TT	1940294173
SNP_P1_69303_28861175	NC_021163.1	Ca_kabuli_chr04	28861175	TT	CC	1940294175
SNP_P1_69304_28863212	NC_021163.1	Ca_kabuli_chr04	28863212	AA	CC	1940294177
SNP_P1_69305_28865948	NC_021163.1	Ca_kabuli_chr04	28865948	CC	GG	1940294178
SNP_P1_69306_28865952	NC_021163.1	Ca_kabuli_chr04	28865952	GG	AA	1940294180
SNP_P1_69307_28865954	NC_021163.1	Ca_kabuli_chr04	28865954	AA	TT	1940294181
SNP_P1_69308_28868538	NC_021163.1	Ca_kabuli_chr04	28868538	AA	TT	1940294183
SNP_P1_69310_28870582	NC_021163.1	Ca_kabuli_chr04	28870582	GG	AA	1940294185
SNP_P1_69311_28870593	NC_021163.1	Ca_kabuli_chr04	28870593	CC	TT	1940294186
SNP_P1_69312_28870628	NC_021163.1	Ca_kabuli_chr04	28870628	AA	GG	1940294188
SNP_P1_69313_28871221	NC_021163.1	Ca_kabuli_chr04	28871221	CC	AA	1940294190
SNP_P1_69314_28871254	NC_021163.1	Ca_kabuli_chr04	28871254	GG	AA	1940294191
SNP_P1_69315_28871266	NC_021163.1	Ca_kabuli_chr04	28871266	AA	GG	1940294193
SNP_P1_69316_28871286	NC_021163.1	Ca_kabuli_chr04	28871286	GG	TT	1940294195
SNP_P1_69317_28871843	NC_021163.1	Ca_kabuli_chr04	28871843	CC	AA	1940294196
SNP_P1_69318_28871908	NC_021163.1	Ca_kabuli_chr04	28871908	CC	TT	1940294198
SNP_P1_69319_28871910	NC_021163.1	Ca_kabuli_chr04	28871910	GG	AA	1940294200
SNP_P1_69320_28871967	NC_021163.1	Ca_kabuli_chr04	28871967	TT	CC	1940294201
SNP_P1_69321_28872796	NC_021163.1	Ca_kabuli_chr04	28872796	AA	GG	1940294203
SNP_P1_69322_28877075	NC_021163.1	Ca_kabuli_chr04	28877075	AA	GG	1940294204
SNP_P1_69323_28878797	NC_021163.1	Ca_kabuli_chr04	28878797	GG	CC	1940294206
SNP_P1_69324_28880039	NC_021163.1	Ca_kabuli_chr04	28880039	GG	AA	1940294208
SNP_P1_69325_28881618	NC_021163.1	Ca_kabuli_chr04	28881618	AA	TT	1940294209
SNP_P1_69326_28882702	NC_021163.1	Ca_kabuli_chr04	28882702	TT	CC	1940294211
SNP_P1_69327_28885394	NC_021163.1	Ca_kabuli_chr04	28885394	TT	AA	1940294213
SNP_P1_69328_28886719	NC_021163.1	Ca_kabuli_chr04	28886719	TT	CC	1940294214
SNP_P1_69329_28887677	NC_021163.1	Ca_kabuli_chr04	28887677	CC	AA	1940294216
SNP_P1_69331_28887948	NC_021163.1	Ca_kabuli_chr04	28887948	CC	TT	1940294218
SNP_P1_69332_28888014	NC_021163.1	Ca_kabuli_chr04	28888014	TT	CC	1940294219
SNP_P1_69333_28890925	NC_021163.1	Ca_kabuli_chr04	28890925	GG	CC	1940294221

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69335_28892996	NC_021163.1	Ca_kabuli_chr04	28892996	TT	AA	1940294224
SNP_P1_69336_28893466	NC_021163.1	Ca_kabuli_chr04	28893466	TT	CC	1940294226
SNP_P1_69337_28893470	NC_021163.1	Ca_kabuli_chr04	28893470	CC	TT	1940294227
SNP_P1_69339_28894910	NC_021163.1	Ca_kabuli_chr04	28894910	TT	AA	1940294229
SNP_P1_69340_28894912	NC_021163.1	Ca_kabuli_chr04	28894912	CC	TT	1940294231
SNP_P1_69341_28897978	NC_021163.1	Ca_kabuli_chr04	28897978	TT	CC	1940294232
SNP_P1_69342_28898144	NC_021163.1	Ca_kabuli_chr04	28898144	CC	TT	1940294234
SNP_P1_69343_28899562	NC_021163.1	Ca_kabuli_chr04	28899562	GG	AA	1940294236
SNP_P1_69344_28900181	NC_021163.1	Ca_kabuli_chr04	28900181	CC	TT	1940294237
SNP_P1_69345_28900350	NC_021163.1	Ca_kabuli_chr04	28900350	GG	AA	1940294239
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SNP_P1_69351_28907815	NC_021163.1	Ca_kabuli_chr04	28907815	TT	CC	1940294247
SNP_P1_69353_28909081	NC_021163.1	Ca_kabuli_chr04	28909081	CC	TT	1940294249
SNP_P1_69354_28909119	NC_021163.1	Ca_kabuli_chr04	28909119	GG	AA	1940294250
SNP_P1_69358_28910672	NC_021163.1	Ca_kabuli_chr04	28910672	TT	CC	1940294252
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SNP_P1_69360_28911272	NC_021163.1	Ca_kabuli_chr04	28911272	TT	AA	1940294255
SNP_P1_69361_28911274	NC_021163.1	Ca_kabuli_chr04	28911274	AA	GG	1940294257
SNP_P1_69365_28914556	NC_021163.1	Ca_kabuli_chr04	28914556	TT	CC	1940294259
SNP_P1_69370_28915436	NC_021163.1	Ca_kabuli_chr04	28915436	GG	AA	1940294260
SNP_P1_69371_28915537	NC_021163.1	Ca_kabuli_chr04	28915537	TT	AA	1940294262
SNP_P1_69373_28916054	NC_021163.1	Ca_kabuli_chr04	28916054	TT	CC	1940294264
SNP_P1_69374_28921433	NC_021163.1	Ca_kabuli_chr04	28921433	GG	AA	1940294265
SNP_P1_69375_28922045	NC_021163.1	Ca_kabuli_chr04	28922045	CC	TT	1940294267
SNP_P1_69376_28922125	NC_021163.1	Ca_kabuli_chr04	28922125	CC	TT	1940294269
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SNP_P1_69378_28924607	NC_021163.1	Ca_kabuli_chr04	28924607	AA	TT	1940294272
SNP_P1_69379_28924939	NC_021163.1	Ca_kabuli_chr04	28924939	AA	TT	1940294273
SNP_P1_69382_28925791	NC_021163.1	Ca_kabuli_chr04	28925791	AA	GG	1940294275
SNP_P1_69383_28926223	NC_021163.1	Ca_kabuli_chr04	28926223	GG	TT	1940294277
SNP_P1_69384_28926225	NC_021163.1	Ca_kabuli_chr04	28926225	CC	TT	1940294278
SNP_P1_69385_28926452	NC_021163.1	Ca_kabuli_chr04	28926452	CC	TT	1940294280
SNP_P1_69386_28926706	NC_021163.1	Ca_kabuli_chr04	28926706	GG	AA	1940294282
SNP_P1_69387_28927798	NC_021163.1	Ca_kabuli_chr04	28927798	GG	TT	1940294283
SNP_P1_69388_28929115	NC_021163.1	Ca_kabuli_chr04	28929115	GG	AA	1940294285
SNP_P1_69390_28929197	NC_021163.1	Ca_kabuli_chr04	28929197	CC	TT	1940294287
SNP_P1_69391_28929198	NC_021163.1	Ca_kabuli_chr04	28929198	AA	GG	1940294288
SNP_P1_69392_28929199	NC_021163.1	Ca_kabuli_chr04	28929199	GG	AA	1940294290

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69394_28930161	NC_021163.1	Ca_kabuli_chr04	28930161	CC	AA	1940294293
SNP_P1_69396_28932680	NC_021163.1	Ca_kabuli_chr04	28932680	TT	CC	1940294295
SNP_P1_69397_28933167	NC_021163.1	Ca_kabuli_chr04	28933167	CC	GG	1940294296
SNP_P1_69398_28933208	NC_021163.1	Ca_kabuli_chr04	28933208	TT	GG	1940294298
SNP_P1_69400_28934563	NC_021163.1	Ca_kabuli_chr04	28934563	TT	CC	1940294300
SNP_P1_69401_28934770	NC_021163.1	Ca_kabuli_chr04	28934770	AA	CC	1940294301
SNP_P1_69402_28935629	NC_021163.1	Ca_kabuli_chr04	28935629	GG	CC	1940294303
SNP_P1_69405_28938690	NC_021163.1	Ca_kabuli_chr04	28938690	CC	TT	1940294305
SNP_P1_69406_28939079	NC_021163.1	Ca_kabuli_chr04	28939079	GG	AA	1940294306
SNP_P1_69407_28947576	NC_021163.1	Ca_kabuli_chr04	28947576	TT	AA	1940294308
SNP_P1_69409_28951368	NC_021163.1	Ca_kabuli_chr04	28951368	TT	CC	1940294310
SNP_P1_69410_28953540	NC_021163.1	Ca_kabuli_chr04	28953540	GG	AA	1940294311
SNP_P1_69411_28953597	NC_021163.1	Ca_kabuli_chr04	28953597	TT	CC	1940294313
SNP_P1_69412_28953785	NC_021163.1	Ca_kabuli_chr04	28953785	CC	TT	1940294315
SNP_P1_69413_28954090	NC_021163.1	Ca_kabuli_chr04	28954090	AA	GG	1940294316
SNP_P1_69414_28954749	NC_021163.1	Ca_kabuli_chr04	28954749	CC	AA	1940294318
SNP_P1_69416_28956453	NC_021163.1	Ca_kabuli_chr04	28956453	TT	CC	1940294319
SNP_P1_69417_28956850	NC_021163.1	Ca_kabuli_chr04	28956850	CC	TT	1940294321
SNP_P1_69418_28958003	NC_021163.1	Ca_kabuli_chr04	28958003	TT	GG	1940294323
SNP_P1_69419_28958085	NC_021163.1	Ca_kabuli_chr04	28958085	TT	CC	1940294324
SNP_P1_69420_28958157	NC_021163.1	Ca_kabuli_chr04	28958157	TT	CC	1940294326
SNP_P1_69421_28959658	NC_021163.1	Ca_kabuli_chr04	28959658	AA	GG	1940294328
SNP_P1_69422_28959981	NC_021163.1	Ca_kabuli_chr04	28959981	AA	GG	1940294329
SNP_P1_69423_28960207	NC_021163.1	Ca_kabuli_chr04	28960207	AA	TT	1940294331
SNP_P1_69424_28961762	NC_021163.1	Ca_kabuli_chr04	28961762	CC	AA	1940294333
SNP_P1_69425_28964646	NC_021163.1	Ca_kabuli_chr04	28964646	GG	AA	1940294334
SNP_P1_69426_28965648	NC_021163.1	Ca_kabuli_chr04	28965648	TT	GG	1940294336
SNP_P1_69427_28966378	NC_021163.1	Ca_kabuli_chr04	28966378	TT	GG	1940294337
SNP_P1_69428_28966397	NC_021163.1	Ca_kabuli_chr04	28966397	TT	CC	1940294339
SNP_P1_69429_28966508	NC_021163.1	Ca_kabuli_chr04	28966508	CC	TT	1940294341
SNP_P1_69430_28966515	NC_021163.1	Ca_kabuli_chr04	28966515	TT	CC	1940294342
SNP_P1_69431_28966530	NC_021163.1	Ca_kabuli_chr04	28966530	TT	AA	1940294344
SNP_P1_69432_28966628	NC_021163.1	Ca_kabuli_chr04	28966628	CC	TT	1940294346
SNP_P1_69433_28969897	NC_021163.1	Ca_kabuli_chr04	28969897	TT	AA	1940294347
SNP_P1_69434_28981315	NC_021163.1	Ca_kabuli_chr04	28981315	GG	TT	1940294349
SNP_P1_69435_28981396	NC_021163.1	Ca_kabuli_chr04	28981396	CC	TT	1940294351
SNP_P1_69436_28981476	NC_021163.1	Ca_kabuli_chr04	28981476	CC	TT	1940294352
SNP_P1_69437_28982942	NC_021163.1	Ca_kabuli_chr04	28982942	CC	TT	1940294354
SNP_P1_69438_28985787	NC_021163.1	Ca_kabuli_chr04	28985787	CC	AA	1940294356
SNP_P1_69439_28985892	NC_021163.1	Ca_kabuli_chr04	28985892	GG	TT	1940294357
SNP_P1_69440_28986145	NC_021163.1	Ca_kabuli_chr04	28986145	GG	AA	1940294359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69442_28986423	NC_021163.1	Ca_kabuli_chr04	28986423	GG	AA	1940294362
SNP_P1_69443_28986433	NC_021163.1	Ca_kabuli_chr04	28986433	AA	TT	1940294364
SNP_P1_69444_28986491	NC_021163.1	Ca_kabuli_chr04	28986491	AA	GG	1940294365
SNP_P1_69445_28986676	NC_021163.1	Ca_kabuli_chr04	28986676	CC	TT	1940294367
SNP_P1_69447_28986727	NC_021163.1	Ca_kabuli_chr04	28986727	TT	GG	1940294369
SNP_P1_69448_28986852	NC_021163.1	Ca_kabuli_chr04	28986852	TT	AA	1940294370
SNP_P1_69449_28988648	NC_021163.1	Ca_kabuli_chr04	28988648	TT	CC	1940294372
SNP_P1_69451_28989292	NC_021163.1	Ca_kabuli_chr04	28989292	CC	TT	1940294374
SNP_P1_69452_28989350	NC_021163.1	Ca_kabuli_chr04	28989350	AA	GG	1940294375
SNP_P1_69453_28989467	NC_021163.1	Ca_kabuli_chr04	28989467	GG	AA	1940294377
SNP_P1_69454_28990295	NC_021163.1	Ca_kabuli_chr04	28990295	GG	AA	1940294379
SNP_P1_69456_28990355	NC_021163.1	Ca_kabuli_chr04	28990355	GG	AA	1940294380
SNP_P1_69457_28990391	NC_021163.1	Ca_kabuli_chr04	28990391	CC	TT	1940294382
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SNP_P1_69459_28990668	NC_021163.1	Ca_kabuli_chr04	28990668	GG	AA	1940294385
SNP_P1_69460_28991543	NC_021163.1	Ca_kabuli_chr04	28991543	GG	TT	1940294387
SNP_P1_69462_28992349	NC_021163.1	Ca_kabuli_chr04	28992349	AA	GG	1940294388
SNP_P1_69463_28992407	NC_021163.1	Ca_kabuli_chr04	28992407	TT	CC	1940294390
SNP_P1_69464_28992674	NC_021163.1	Ca_kabuli_chr04	28992674	TT	GG	1940294392
SNP_P1_69465_28992712	NC_021163.1	Ca_kabuli_chr04	28992712	TT	CC	1940294393
SNP_P1_69467_28994380	NC_021163.1	Ca_kabuli_chr04	28994380	GG	TT	1940294395
SNP_P1_69468_28994405	NC_021163.1	Ca_kabuli_chr04	28994405	AA	TT	1940294397
SNP_P1_69469_28994453	NC_021163.1	Ca_kabuli_chr04	28994453	GG	TT	1940294398
SNP_P1_69470_28994482	NC_021163.1	Ca_kabuli_chr04	28994482	AA	TT	1940294400
SNP_P1_69471_28994490	NC_021163.1	Ca_kabuli_chr04	28994490	AA	GG	1940294402
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SNP_P1_69474_28995372	NC_021163.1	Ca_kabuli_chr04	28995372	TT	AA	1940294405
SNP_P1_69475_28995384	NC_021163.1	Ca_kabuli_chr04	28995384	CC	TT	1940294407
SNP_P1_69476_28995619	NC_021163.1	Ca_kabuli_chr04	28995619	GG	AA	1940294408
SNP_P1_69477_28995783	NC_021163.1	Ca_kabuli_chr04	28995783	AA	GG	1940294410
SNP_P1_69478_28995805	NC_021163.1	Ca_kabuli_chr04	28995805	CC	TT	1940294412
SNP_P1_69479_28995876	NC_021163.1	Ca_kabuli_chr04	28995876	TT	CC	1940294413
SNP_P1_69480_28996182	NC_021163.1	Ca_kabuli_chr04	28996182	GG	AA	1940294415
SNP_P1_69483_28996692	NC_021163.1	Ca_kabuli_chr04	28996692	TT	CC	1940294416
SNP_P1_69484_29007711	NC_021163.1	Ca_kabuli_chr04	29007711	CC	AA	1940294418
SNP_P1_69485_29007949	NC_021163.1	Ca_kabuli_chr04	29007949	CC	TT	1940294420
SNP_P1_69486_29007994	NC_021163.1	Ca_kabuli_chr04	29007994	GG	AA	1940294421
SNP_P1_69487_29008004	NC_021163.1	Ca_kabuli_chr04	29008004	GG	AA	1940294423
SNP_P1_69488_29008225	NC_021163.1	Ca_kabuli_chr04	29008225	AA	CC	1940294425
SNP_P1_69490_29008267	NC_021163.1	Ca_kabuli_chr04	29008267	TT	AA	1940294426
SNP_P1_69492_29008607	NC_021163.1	Ca_kabuli_chr04	29008607	GG	TT	1940294428

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69495_29008660	NC_021163.1	Ca_kabuli_chr04	29008660	CC	TT	1940294433
SNP_P1_69496_29008665	NC_021163.1	Ca_kabuli_chr04	29008665	TT	CC	1940294435
SNP_P1_69497_29008675	NC_021163.1	Ca_kabuli_chr04	29008675	GG	CC	1940294436
SNP_P1_69498_29008687	NC_021163.1	Ca_kabuli_chr04	29008687	CC	TT	1940294438
SNP_P1_69499_29008729	NC_021163.1	Ca_kabuli_chr04	29008729	CC	GG	1940294439
SNP_P1_69500_29010906	NC_021163.1	Ca_kabuli_chr04	29010906	AA	GG	1940294441
SNP_P1_69501_29010928	NC_021163.1	Ca_kabuli_chr04	29010928	GG	TT	1940294443
SNP_P1_69502_29010935	NC_021163.1	Ca_kabuli_chr04	29010935	GG	AA	1940294444
SNP_P1_69503_29011300	NC_021163.1	Ca_kabuli_chr04	29011300	CC	AA	1940294446
SNP_P1_69504_29011350	NC_021163.1	Ca_kabuli_chr04	29011350	AA	CC	1940294448
SNP_P1_69505_29011605	NC_021163.1	Ca_kabuli_chr04	29011605	TT	AA	1940294449
SNP_P1_69506_29011611	NC_021163.1	Ca_kabuli_chr04	29011611	GG	CC	1940294451
SNP_P1_69507_29012617	NC_021163.1	Ca_kabuli_chr04	29012617	GG	TT	1940294453
SNP_P1_69508_29012642	NC_021163.1	Ca_kabuli_chr04	29012642	GG	AA	1940294454
SNP_P1_69509_29012659	NC_021163.1	Ca_kabuli_chr04	29012659	AA	TT	1940294456
SNP_P1_69510_29012666	NC_021163.1	Ca_kabuli_chr04	29012666	TT	CC	1940294458
SNP_P1_69511_29019173	NC_021163.1	Ca_kabuli_chr04	29019173	CC	TT	1940294459
SNP_P1_69512_29019177	NC_021163.1	Ca_kabuli_chr04	29019177	AA	GG	1940294461
SNP_P1_69513_29019660	NC_021163.1	Ca_kabuli_chr04	29019660	AA	TT	1940294462
SNP_P1_69514_29019671	NC_021163.1	Ca_kabuli_chr04	29019671	TT	GG	1940294464
SNP_P1_69515_29019673	NC_021163.1	Ca_kabuli_chr04	29019673	AA	TT	1940294466
SNP_P1_69516_29028269	NC_021163.1	Ca_kabuli_chr04	29028269	AA	GG	1940294467
SNP_P1_69517_29028271	NC_021163.1	Ca_kabuli_chr04	29028271	AA	GG	1940294469
SNP_P1_69518_29028279	NC_021163.1	Ca_kabuli_chr04	29028279	TT	CC	1940294471
SNP_P1_69519_29028296	NC_021163.1	Ca_kabuli_chr04	29028296	GG	AA	1940294472
SNP_P1_69520_29028299	NC_021163.1	Ca_kabuli_chr04	29028299	GG	TT	1940294474
SNP_P1_69521_29028315	NC_021163.1	Ca_kabuli_chr04	29028315	AA	GG	1940294476
SNP_P1_69522_29028317	NC_021163.1	Ca_kabuli_chr04	29028317	CC	GG	1940294477
SNP_P1_69523_29028326	NC_021163.1	Ca_kabuli_chr04	29028326	GG	CC	1940294479
SNP_P1_69524_29028376	NC_021163.1	Ca_kabuli_chr04	29028376	AA	GG	1940294481
SNP_P1_69525_29030290	NC_021163.1	Ca_kabuli_chr04	29030290	TT	CC	1940294482
SNP_P1_69526_29030780	NC_021163.1	Ca_kabuli_chr04	29030780	AA	GG	1940294484
SNP_P1_69527_29030946	NC_021163.1	Ca_kabuli_chr04	29030946	AA	TT	1940294485
SNP_P1_69528_29031016	NC_021163.1	Ca_kabuli_chr04	29031016	CC	TT	1940294487
SNP_P1_69529_29031029	NC_021163.1	Ca_kabuli_chr04	29031029	AA	GG	1940294489
SNP_P1_69530_29031044	NC_021163.1	Ca_kabuli_chr04	29031044	GG	TT	1940294490
SNP_P1_69532_29033909	NC_021163.1	Ca_kabuli_chr04	29033909	GG	AA	1940294492
SNP_P1_69533_29033924	NC_021163.1	Ca_kabuli_chr04	29033924	TT	CC	1940294494
SNP_P1_69534_29034254	NC_021163.1	Ca_kabuli_chr04	29034254	CC	TT	1940294495
SNP_P1_69535_29034298	NC_021163.1	Ca_kabuli_chr04	29034298	GG	AA	1940294497

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69537_29034343	NC_021163.1	Ca_kabuli_chr04	29034343	CC	TT	1940294500
SNP_P1_69538_29034352	NC_021163.1	Ca_kabuli_chr04	29034352	GG	AA	1940294502
SNP_P1_69539_29034416	NC_021163.1	Ca_kabuli_chr04	29034416	CC	TT	1940294504
SNP_P1_69540_29034440	NC_021163.1	Ca_kabuli_chr04	29034440	CC	TT	1940294505
SNP_P1_69541_29034454	NC_021163.1	Ca_kabuli_chr04	29034454	CC	TT	1940294507
SNP_P1_69542_29034466	NC_021163.1	Ca_kabuli_chr04	29034466	CC	TT	1940294508
SNP_P1_69543_29034474	NC_021163.1	Ca_kabuli_chr04	29034474	CC	TT	1940294510
SNP_P1_69544_29034535	NC_021163.1	Ca_kabuli_chr04	29034535	GG	AA	1940294512
SNP_P1_69545_29034536	NC_021163.1	Ca_kabuli_chr04	29034536	TT	CC	1940294513
SNP_P1_69546_29034554	NC_021163.1	Ca_kabuli_chr04	29034554	GG	AA	1940294515
SNP_P1_69548_29034770	NC_021163.1	Ca_kabuli_chr04	29034770	AA	GG	1940294517
SNP_P1_69549_29034878	NC_021163.1	Ca_kabuli_chr04	29034878	AA	CC	1940294518
SNP_P1_69550_29034879	NC_021163.1	Ca_kabuli_chr04	29034879	TT	CC	1940294520
SNP_P1_69551_29034897	NC_021163.1	Ca_kabuli_chr04	29034897	GG	AA	1940294522
SNP_P1_69552_29035116	NC_021163.1	Ca_kabuli_chr04	29035116	AA	TT	1940294523
SNP_P1_69553_29035147	NC_021163.1	Ca_kabuli_chr04	29035147	GG	AA	1940294525
SNP_P1_69554_29035389	NC_021163.1	Ca_kabuli_chr04	29035389	AA	GG	1940294527
SNP_P1_69555_29035418	NC_021163.1	Ca_kabuli_chr04	29035418	TT	CC	1940294528
SNP_P1_69556_29035433	NC_021163.1	Ca_kabuli_chr04	29035433	AA	CC	1940294530
SNP_P1_69557_29035434	NC_021163.1	Ca_kabuli_chr04	29035434	TT	GG	1940294531
SNP_P1_69558_29035774	NC_021163.1	Ca_kabuli_chr04	29035774	AA	GG	1940294533
SNP_P1_69559_29036106	NC_021163.1	Ca_kabuli_chr04	29036106	TT	CC	1940294535
SNP_P1_69560_29036387	NC_021163.1	Ca_kabuli_chr04	29036387	GG	AA	1940294536
SNP_P1_69561_29036478	NC_021163.1	Ca_kabuli_chr04	29036478	TT	GG	1940294538
SNP_P1_69562_29036624	NC_021163.1	Ca_kabuli_chr04	29036624	GG	CC	1940294540
SNP_P1_69563_29036630	NC_021163.1	Ca_kabuli_chr04	29036630	AA	GG	1940294541
SNP_P1_69564_29036635	NC_021163.1	Ca_kabuli_chr04	29036635	AA	GG	1940294543
SNP_P1_69565_29036636	NC_021163.1	Ca_kabuli_chr04	29036636	GG	AA	1940294545
SNP_P1_69566_29036706	NC_021163.1	Ca_kabuli_chr04	29036706	AA	GG	1940294546
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SNP_P1_69568_29036711	NC_021163.1	Ca_kabuli_chr04	29036711	CC	GG	1940294550
SNP_P1_69569_29037006	NC_021163.1	Ca_kabuli_chr04	29037006	AA	CC	1940294551
SNP_P1_69570_29037010	NC_021163.1	Ca_kabuli_chr04	29037010	TT	AA	1940294553
SNP_P1_69572_29037347	NC_021163.1	Ca_kabuli_chr04	29037347	CC	TT	1940294554
SNP_P1_69573_29037613	NC_021163.1	Ca_kabuli_chr04	29037613	CC	TT	1940294556
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SNP_P1_69576_29037854	NC_021163.1	Ca_kabuli_chr04	29037854	GG	AA	1940294561
SNP_P1_69577_29037887	NC_021163.1	Ca_kabuli_chr04	29037887	GG	CC	1940294563
SNP_P1_69579_29038016	NC_021163.1	Ca_kabuli_chr04	29038016	CC	TT	1940294564
SNP_P1_69580_29038019	NC_021163.1	Ca_kabuli_chr04	29038019	CC	AA	1940294566

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69582_29038021	NC_021163.1	Ca_kabuli_chr04	29038021	TT	GG	1940294569
SNP_P1_69583_29038022	NC_021163.1	Ca_kabuli_chr04	29038022	TT	AA	1940294571
SNP_P1_69584_29048971	NC_021163.1	Ca_kabuli_chr04	29048971	AA	GG	1940294573
SNP_P1_69585_29048977	NC_021163.1	Ca_kabuli_chr04	29048977	TT	CC	1940294574
SNP_P1_69586_29049436	NC_021163.1	Ca_kabuli_chr04	29049436	CC	GG	1940294576
SNP_P1_69587_29049664	NC_021163.1	Ca_kabuli_chr04	29049664	TT	CC	1940294577
SNP_P1_69589_29050944	NC_021163.1	Ca_kabuli_chr04	29050944	TT	CC	1940294579
SNP_P1_69590_29051556	NC_021163.1	Ca_kabuli_chr04	29051556	CC	TT	1940294581
SNP_P1_69591_29051596	NC_021163.1	Ca_kabuli_chr04	29051596	AA	GG	1940294582
SNP_P1_69592_29051717	NC_021163.1	Ca_kabuli_chr04	29051717	CC	TT	1940294584
SNP_P1_69593_29051823	NC_021163.1	Ca_kabuli_chr04	29051823	TT	CC	1940294586
SNP_P1_69594_29052024	NC_021163.1	Ca_kabuli_chr04	29052024	AA	GG	1940294587
SNP_P1_69595_29052309	NC_021163.1	Ca_kabuli_chr04	29052309	TT	AA	1940294589
SNP_P1_69596_29052340	NC_021163.1	Ca_kabuli_chr04	29052340	CC	TT	1940294591
SNP_P1_69597_29053776	NC_021163.1	Ca_kabuli_chr04	29053776	AA	TT	1940294592
SNP_P1_69598_29053780	NC_021163.1	Ca_kabuli_chr04	29053780	CC	AA	1940294594
SNP_P1_69599_29053809	NC_021163.1	Ca_kabuli_chr04	29053809	CC	TT	1940294595
SNP_P1_69600_29054582	NC_021163.1	Ca_kabuli_chr04	29054582	TT	AA	1940294597
SNP_P1_69601_29054605	NC_021163.1	Ca_kabuli_chr04	29054605	CC	TT	1940294599
SNP_P1_69602_29055788	NC_021163.1	Ca_kabuli_chr04	29055788	TT	CC	1940294600
SNP_P1_69603_29055834	NC_021163.1	Ca_kabuli_chr04	29055834	GG	TT	1940294602
SNP_P1_69604_29055998	NC_021163.1	Ca_kabuli_chr04	29055998	TT	GG	1940294604
SNP_P1_69605_29056000	NC_021163.1	Ca_kabuli_chr04	29056000	CC	AA	1940294605
SNP_P1_69606_29056146	NC_021163.1	Ca_kabuli_chr04	29056146	GG	AA	1940294607
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SNP_P1_69610_29056872	NC_021163.1	Ca_kabuli_chr04	29056872	GG	AA	1940294614
SNP_P1_69611_29057267	NC_021163.1	Ca_kabuli_chr04	29057267	AA	TT	1940294615
SNP_P1_69612_29057688	NC_021163.1	Ca_kabuli_chr04	29057688	GG	AA	1940294617
SNP_P1_69613_29058350	NC_021163.1	Ca_kabuli_chr04	29058350	CC	AA	1940294618
SNP_P1_69614_29058731	NC_021163.1	Ca_kabuli_chr04	29058731	TT	CC	1940294620
SNP_P1_69616_29059111	NC_021163.1	Ca_kabuli_chr04	29059111	TT	GG	1940294622
SNP_P1_69617_29059257	NC_021163.1	Ca_kabuli_chr04	29059257	GG	TT	1940294623
SNP_P1_69618_29059276	NC_021163.1	Ca_kabuli_chr04	29059276	CC	TT	1940294625
SNP_P1_69619_29059278	NC_021163.1	Ca_kabuli_chr04	29059278	TT	CC	1940294627
SNP_P1_69620_29059500	NC_021163.1	Ca_kabuli_chr04	29059500	TT	CC	1940294628
SNP_P1_69621_29059555	NC_021163.1	Ca_kabuli_chr04	29059555	TT	CC	1940294630
SNP_P1_69622_29059654	NC_021163.1	Ca_kabuli_chr04	29059654	TT	CC	1940294632
SNP_P1_69623_29059769	NC_021163.1	Ca_kabuli_chr04	29059769	CC	TT	1940294633
SNP_P1_69625_29059912	NC_021163.1	Ca_kabuli_chr04	29059912	AA	GG	1940294635

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69627_29059944	NC_021163.1	Ca_kabuli_chr04	29059944	AA	GG	1940294638
SNP_P1_69628_29060191	NC_021163.1	Ca_kabuli_chr04	29060191	TT	CC	1940294640
SNP_P1_69629_29060200	NC_021163.1	Ca_kabuli_chr04	29060200	TT	CC	1940294642
SNP_P1_69630_29060220	NC_021163.1	Ca_kabuli_chr04	29060220	TT	CC	1940294643
SNP_P1_69631_29060244	NC_021163.1	Ca_kabuli_chr04	29060244	TT	CC	1940294645
SNP_P1_69633_29060303	NC_021163.1	Ca_kabuli_chr04	29060303	CC	TT	1940294646
SNP_P1_69634_29060310	NC_021163.1	Ca_kabuli_chr04	29060310	AA	CC	1940294648
SNP_P1_69635_29060332	NC_021163.1	Ca_kabuli_chr04	29060332	CC	TT	1940294650
SNP_P1_69636_29060384	NC_021163.1	Ca_kabuli_chr04	29060384	CC	AA	1940294651
SNP_P1_69637_29060395	NC_021163.1	Ca_kabuli_chr04	29060395	TT	CC	1940294653
SNP_P1_69638_29060498	NC_021163.1	Ca_kabuli_chr04	29060498	CC	TT	1940294655
SNP_P1_69639_29060708	NC_021163.1	Ca_kabuli_chr04	29060708	TT	CC	1940294656
SNP_P1_69640_29060709	NC_021163.1	Ca_kabuli_chr04	29060709	CC	TT	1940294658
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SNP_P1_69643_29061004	NC_021163.1	Ca_kabuli_chr04	29061004	CC	TT	1940294663
SNP_P1_69644_29061039	NC_021163.1	Ca_kabuli_chr04	29061039	AA	GG	1940294665
SNP_P1_69645_29061050	NC_021163.1	Ca_kabuli_chr04	29061050	AA	GG	1940294666
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SNP_P1_69648_29061259	NC_021163.1	Ca_kabuli_chr04	29061259	TT	GG	1940294671
SNP_P1_69649_29061435	NC_021163.1	Ca_kabuli_chr04	29061435	GG	AA	1940294673
SNP_P1_69650_29061441	NC_021163.1	Ca_kabuli_chr04	29061441	TT	GG	1940294674
SNP_P1_69651_29061631	NC_021163.1	Ca_kabuli_chr04	29061631	GG	TT	1940294676
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SNP_P1_69654_29062607	NC_021163.1	Ca_kabuli_chr04	29062607	TT	CC	1940294681
SNP_P1_69656_29063033	NC_021163.1	Ca_kabuli_chr04	29063033	CC	GG	1940294683
SNP_P1_69657_29063034	NC_021163.1	Ca_kabuli_chr04	29063034	GG	AA	1940294684
SNP_P1_69658_29063052	NC_021163.1	Ca_kabuli_chr04	29063052	TT	GG	1940294686
SNP_P1_69659_29063882	NC_021163.1	Ca_kabuli_chr04	29063882	AA	GG	1940294688
SNP_P1_69660_29064163	NC_021163.1	Ca_kabuli_chr04	29064163	TT	CC	1940294689
SNP_P1_69661_29064522	NC_021163.1	Ca_kabuli_chr04	29064522	CC	AA	1940294691
SNP_P1_69662_29064557	NC_021163.1	Ca_kabuli_chr04	29064557	GG	AA	1940294692
SNP_P1_69664_29064979	NC_021163.1	Ca_kabuli_chr04	29064979	AA	GG	1940294694
SNP_P1_69665_29065110	NC_021163.1	Ca_kabuli_chr04	29065110	TT	CC	1940294696
SNP_P1_69666_29065113	NC_021163.1	Ca_kabuli_chr04	29065113	CC	AA	1940294697
SNP_P1_69668_29065322	NC_021163.1	Ca_kabuli_chr04	29065322	CC	TT	1940294699
SNP_P1_69670_29066199	NC_021163.1	Ca_kabuli_chr04	29066199	GG	TT	1940294701
SNP_P1_69671_29066222	NC_021163.1	Ca_kabuli_chr04	29066222	AA	GG	1940294702
SNP_P1_69672_29066315	NC_021163.1	Ca_kabuli_chr04	29066315	AA	GG	1940294704

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69674_29066658	NC_021163.1	Ca_kabuli_chr04	29066658	CC	TT	1940294707
SNP_P1_69675_29066662	NC_021163.1	Ca_kabuli_chr04	29066662	GG	AA	1940294709
SNP_P1_69676_29067841	NC_021163.1	Ca_kabuli_chr04	29067841	AA	CC	1940294711
SNP_P1_69677_29068266	NC_021163.1	Ca_kabuli_chr04	29068266	GG	AA	1940294712
SNP_P1_69678_29068645	NC_021163.1	Ca_kabuli_chr04	29068645	GG	AA	1940294714
SNP_P1_69679_29068655	NC_021163.1	Ca_kabuli_chr04	29068655	AA	GG	1940294715
SNP_P1_69680_29068710	NC_021163.1	Ca_kabuli_chr04	29068710	CC	TT	1940294717
SNP_P1_69682_29071172	NC_021163.1	Ca_kabuli_chr04	29071172	GG	TT	1940294719
SNP_P1_69683_29071179	NC_021163.1	Ca_kabuli_chr04	29071179	CC	TT	1940294720
SNP_P1_69684_29071188	NC_021163.1	Ca_kabuli_chr04	29071188	GG	CC	1940294722
SNP_P1_69685_29071356	NC_021163.1	Ca_kabuli_chr04	29071356	AA	TT	1940294724
SNP_P1_69686_29071427	NC_021163.1	Ca_kabuli_chr04	29071427	GG	TT	1940294725
SNP_P1_69687_29071503	NC_021163.1	Ca_kabuli_chr04	29071503	GG	TT	1940294727
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SNP_P1_69690_29071807	NC_021163.1	Ca_kabuli_chr04	29071807	TT	CC	1940294732
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SNP_P1_69694_29085142	NC_021163.1	Ca_kabuli_chr04	29085142	TT	CC	1940294737
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SNP_P1_69696_29085178	NC_021163.1	Ca_kabuli_chr04	29085178	CC	TT	1940294740
SNP_P1_69697_29085243	NC_021163.1	Ca_kabuli_chr04	29085243	TT	CC	1940294742
SNP_P1_69698_29085546	NC_021163.1	Ca_kabuli_chr04	29085546	TT	CC	1940294743
SNP_P1_69699_29085628	NC_021163.1	Ca_kabuli_chr04	29085628	TT	CC	1940294745
SNP_P1_69700_29085629	NC_021163.1	Ca_kabuli_chr04	29085629	GG	AA	1940294747
SNP_P1_69701_29085666	NC_021163.1	Ca_kabuli_chr04	29085666	TT	CC	1940294748
SNP_P1_69702_29085674	NC_021163.1	Ca_kabuli_chr04	29085674	TT	CC	1940294750
SNP_P1_69703_29085713	NC_021163.1	Ca_kabuli_chr04	29085713	GG	TT	1940294752
SNP_P1_69704_29085724	NC_021163.1	Ca_kabuli_chr04	29085724	AA	GG	1940294753
SNP_P1_69705_29085900	NC_021163.1	Ca_kabuli_chr04	29085900	AA	GG	1940294755
SNP_P1_69706_29086019	NC_021163.1	Ca_kabuli_chr04	29086019	AA	CC	1940294757
SNP_P1_69707_29086395	NC_021163.1	Ca_kabuli_chr04	29086395	AA	TT	1940294758
SNP_P1_69708_29086396	NC_021163.1	Ca_kabuli_chr04	29086396	TT	CC	1940294760
SNP_P1_69709_29086678	NC_021163.1	Ca_kabuli_chr04	29086678	AA	GG	1940294762
SNP_P1_69711_29090094	NC_021163.1	Ca_kabuli_chr04	29090094	TT	GG	1940294763
SNP_P1_69712_29090379	NC_021163.1	Ca_kabuli_chr04	29090379	TT	AA	1940294765
SNP_P1_69713_29091464	NC_021163.1	Ca_kabuli_chr04	29091464	GG	CC	1940294766
SNP_P1_69715_29091793	NC_021163.1	Ca_kabuli_chr04	29091793	TT	GG	1940294768
SNP_P1_69716_29091803	NC_021163.1	Ca_kabuli_chr04	29091803	AA	CC	1940294770
SNP_P1_69717_29092572	NC_021163.1	Ca_kabuli_chr04	29092572	AA	TT	1940294771
SNP_P1_69718_29092905	NC_021163.1	Ca_kabuli_chr04	29092905	GG	AA	1940294773

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69722_29097122	NC_021163.1	Ca_kabuli_chr04	29097122	GG	AA	1940294778
SNP_P1_69723_29097494	NC_021163.1	Ca_kabuli_chr04	29097494	GG	CC	1940294780
SNP_P1_69724_29097780	NC_021163.1	Ca_kabuli_chr04	29097780	GG	AA	1940294781
SNP_P1_69725_29098687	NC_021163.1	Ca_kabuli_chr04	29098687	GG	AA	1940294783
SNP_P1_69726_29098890	NC_021163.1	Ca_kabuli_chr04	29098890	TT	CC	1940294785
SNP_P1_69728_29099071	NC_021163.1	Ca_kabuli_chr04	29099071	GG	AA	1940294786
SNP_P1_69729_29099082	NC_021163.1	Ca_kabuli_chr04	29099082	AA	GG	1940294788
SNP_P1_69730_29100485	NC_021163.1	Ca_kabuli_chr04	29100485	AA	GG	1940294789
SNP_P1_69731_29100731	NC_021163.1	Ca_kabuli_chr04	29100731	CC	TT	1940294791
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SNP_P1_69736_29101338	NC_021163.1	Ca_kabuli_chr04	29101338	GG	AA	1940294798
SNP_P1_69738_29109149	NC_021163.1	Ca_kabuli_chr04	29109149	AA	GG	1940294799
SNP_P1_69739_29109152	NC_021163.1	Ca_kabuli_chr04	29109152	GG	CC	1940294801
SNP_P1_69740_29109154	NC_021163.1	Ca_kabuli_chr04	29109154	TT	CC	1940294803
SNP_P1_69741_29109185	NC_021163.1	Ca_kabuli_chr04	29109185	CC	AA	1940294804
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SNP_P1_69743_29109245	NC_021163.1	Ca_kabuli_chr04	29109245	TT	CC	1940294808
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SNP_P1_69747_29110153	NC_021163.1	Ca_kabuli_chr04	29110153	AA	GG	1940294811
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SNP_P1_69754_29110567	NC_021163.1	Ca_kabuli_chr04	29110567	CC	TT	1940294821
SNP_P1_69756_29110671	NC_021163.1	Ca_kabuli_chr04	29110671	CC	TT	1940294822
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SNP_P1_69758_29110710	NC_021163.1	Ca_kabuli_chr04	29110710	AA	GG	1940294826
SNP_P1_69759_29111661	NC_021163.1	Ca_kabuli_chr04	29111661	GG	AA	1940294827
SNP_P1_69760_29111682	NC_021163.1	Ca_kabuli_chr04	29111682	AA	CC	1940294829
SNP_P1_69761_29111691	NC_021163.1	Ca_kabuli_chr04	29111691	CC	AA	1940294831
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SNP_P1_69763_29111776	NC_021163.1	Ca_kabuli_chr04	29111776	AA	CC	1940294834
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SNP_P1_69766_29112138	NC_021163.1	Ca_kabuli_chr04	29112138	TT	GG	1940294839
SNP_P1_69767_29112155	NC_021163.1	Ca_kabuli_chr04	29112155	CC	TT	1940294840
SNP_P1_69768_29112166	NC_021163.1	Ca_kabuli_chr04	29112166	GG	AA	1940294842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69771_29112578	NC_021163.1	Ca_kabuli_chr04	29112578	AA	GG	1940294847
SNP_P1_69772_29112598	NC_021163.1	Ca_kabuli_chr04	29112598	AA	CC	1940294849
SNP_P1_69773_29112609	NC_021163.1	Ca_kabuli_chr04	29112609	TT	GG	1940294850
SNP_P1_69774_29112682	NC_021163.1	Ca_kabuli_chr04	29112682	TT	CC	1940294852
SNP_P1_69775_29112701	NC_021163.1	Ca_kabuli_chr04	29112701	CC	AA	1940294854
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SNP_P1_69780_29113008	NC_021163.1	Ca_kabuli_chr04	29113008	CC	TT	1940294860
SNP_P1_69781_29113010	NC_021163.1	Ca_kabuli_chr04	29113010	AA	GG	1940294862
SNP_P1_69782_29113818	NC_021163.1	Ca_kabuli_chr04	29113818	AA	GG	1940294864
SNP_P1_69783_29113896	NC_021163.1	Ca_kabuli_chr04	29113896	CC	AA	1940294865
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SNP_P1_69785_29113954	NC_021163.1	Ca_kabuli_chr04	29113954	AA	GG	1940294868
SNP_P1_69786_29114740	NC_021163.1	Ca_kabuli_chr04	29114740	CC	GG	1940294870
SNP_P1_69787_29114941	NC_021163.1	Ca_kabuli_chr04	29114941	TT	CC	1940294872
SNP_P1_69788_29115471	NC_021163.1	Ca_kabuli_chr04	29115471	GG	TT	1940294873
SNP_P1_69789_29115513	NC_021163.1	Ca_kabuli_chr04	29115513	GG	TT	1940294875
SNP_P1_69790_29115579	NC_021163.1	Ca_kabuli_chr04	29115579	CC	AA	1940294877
SNP_P1_69791_29115710	NC_021163.1	Ca_kabuli_chr04	29115710	TT	CC	1940294878
SNP_P1_69792_29115771	NC_021163.1	Ca_kabuli_chr04	29115771	TT	CC	1940294880
SNP_P1_69793_29115892	NC_021163.1	Ca_kabuli_chr04	29115892	AA	GG	1940294882
SNP_P1_69794_29115944	NC_021163.1	Ca_kabuli_chr04	29115944	AA	TT	1940294883
SNP_P1_69795_29115964	NC_021163.1	Ca_kabuli_chr04	29115964	AA	CC	1940294885
SNP_P1_69796_29117519	NC_021163.1	Ca_kabuli_chr04	29117519	GG	AA	1940294887
SNP_P1_69797_29117529	NC_021163.1	Ca_kabuli_chr04	29117529	TT	CC	1940294888
SNP_P1_69798_29117592	NC_021163.1	Ca_kabuli_chr04	29117592	AA	TT	1940294890
SNP_P1_69799_29117598	NC_021163.1	Ca_kabuli_chr04	29117598	GG	AA	1940294892
SNP_P1_69800_29117913	NC_021163.1	Ca_kabuli_chr04	29117913	TT	CC	1940294893
SNP_P1_69801_29117934	NC_021163.1	Ca_kabuli_chr04	29117934	CC	TT	1940294895
SNP_P1_69802_29117956	NC_021163.1	Ca_kabuli_chr04	29117956	AA	GG	1940294896
SNP_P1_69803_29118304	NC_021163.1	Ca_kabuli_chr04	29118304	TT	CC	1940294898
SNP_P1_69804_29118307	NC_021163.1	Ca_kabuli_chr04	29118307	CC	TT	1940294900
SNP_P1_69805_29118341	NC_021163.1	Ca_kabuli_chr04	29118341	GG	AA	1940294901
SNP_P1_69806_29119358	NC_021163.1	Ca_kabuli_chr04	29119358	GG	AA	1940294903
SNP_P1_69807_29119661	NC_021163.1	Ca_kabuli_chr04	29119661	AA	GG	1940294905
SNP_P1_69808_29119689	NC_021163.1	Ca_kabuli_chr04	29119689	AA	GG	1940294906
SNP_P1_69809_29119884	NC_021163.1	Ca_kabuli_chr04	29119884	GG	TT	1940294908
SNP_P1_69810_29120158	NC_021163.1	Ca_kabuli_chr04	29120158	AA	GG	1940294910
SNP_P1_69812_29120543	NC_021163.1	Ca_kabuli_chr04	29120543	CC	TT	1940294911

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69814_29120878	NC_021163.1	Ca_kabuli_chr04	29120878	TT	CC	1940294915
SNP_P1_69815_29120879	NC_021163.1	Ca_kabuli_chr04	29120879	GG	AA	1940294916
SNP_P1_69816_29120938	NC_021163.1	Ca_kabuli_chr04	29120938	AA	GG	1940294918
SNP_P1_69817_29120976	NC_021163.1	Ca_kabuli_chr04	29120976	AA	GG	1940294919
SNP_P1_69819_29123083	NC_021163.1	Ca_kabuli_chr04	29123083	AA	TT	1940294921
SNP_P1_69820_29123272	NC_021163.1	Ca_kabuli_chr04	29123272	TT	AA	1940294923
SNP_P1_69821_29123554	NC_021163.1	Ca_kabuli_chr04	29123554	AA	GG	1940294924
SNP_P1_69822_29123567	NC_021163.1	Ca_kabuli_chr04	29123567	GG	CC	1940294926
SNP_P1_69823_29123571	NC_021163.1	Ca_kabuli_chr04	29123571	CC	TT	1940294928
SNP_P1_69824_29123679	NC_021163.1	Ca_kabuli_chr04	29123679	TT	CC	1940294929
SNP_P1_69825_29123756	NC_021163.1	Ca_kabuli_chr04	29123756	AA	GG	1940294931
SNP_P1_69826_29123762	NC_021163.1	Ca_kabuli_chr04	29123762	AA	GG	1940294933
SNP_P1_69828_29124266	NC_021163.1	Ca_kabuli_chr04	29124266	CC	TT	1940294934
SNP_P1_69829_29124499	NC_021163.1	Ca_kabuli_chr04	29124499	GG	TT	1940294936
SNP_P1_69830_29124660	NC_021163.1	Ca_kabuli_chr04	29124660	AA	CC	1940294938
SNP_P1_69832_29130805	NC_021163.1	Ca_kabuli_chr04	29130805	AA	TT	1940294939
SNP_P1_69833_29130867	NC_021163.1	Ca_kabuli_chr04	29130867	TT	GG	1940294941
SNP_P1_69834_29130923	NC_021163.1	Ca_kabuli_chr04	29130923	AA	GG	1940294943
SNP_P1_69835_29131082	NC_021163.1	Ca_kabuli_chr04	29131082	GG	TT	1940294944
SNP_P1_69836_29131102	NC_021163.1	Ca_kabuli_chr04	29131102	CC	AA	1940294946
SNP_P1_69837_29131104	NC_021163.1	Ca_kabuli_chr04	29131104	AA	GG	1940294947
SNP_P1_69838_29131162	NC_021163.1	Ca_kabuli_chr04	29131162	CC	TT	1940294949
SNP_P1_69839_29131164	NC_021163.1	Ca_kabuli_chr04	29131164	TT	CC	1940294951
SNP_P1_69840_29131280	NC_021163.1	Ca_kabuli_chr04	29131280	TT	CC	1940294952
SNP_P1_69841_29131298	NC_021163.1	Ca_kabuli_chr04	29131298	GG	CC	1940294954
SNP_P1_69842_29131432	NC_021163.1	Ca_kabuli_chr04	29131432	TT	AA	1940294956
SNP_P1_69843_29133242	NC_021163.1	Ca_kabuli_chr04	29133242	CC	AA	1940294957
SNP_P1_69844_29133501	NC_021163.1	Ca_kabuli_chr04	29133501	GG	AA	1940294959
SNP_P1_69845_29133689	NC_021163.1	Ca_kabuli_chr04	29133689	GG	AA	1940294961
SNP_P1_69846_29133738	NC_021163.1	Ca_kabuli_chr04	29133738	CC	AA	1940294962
SNP_P1_69847_29134019	NC_021163.1	Ca_kabuli_chr04	29134019	AA	CC	1940294964
SNP_P1_69848_29134024	NC_021163.1	Ca_kabuli_chr04	29134024	GG	AA	1940294966
SNP_P1_69850_29134277	NC_021163.1	Ca_kabuli_chr04	29134277	AA	CC	1940294967
SNP_P1_69851_29134592	NC_021163.1	Ca_kabuli_chr04	29134592	GG	AA	1940294969
SNP_P1_69852_29134770	NC_021163.1	Ca_kabuli_chr04	29134770	AA	CC	1940294971
SNP_P1_69853_29134772	NC_021163.1	Ca_kabuli_chr04	29134772	TT	AA	1940294972
SNP_P1_69854_29134794	NC_021163.1	Ca_kabuli_chr04	29134794	CC	AA	1940294974
SNP_P1_69855_29134817	NC_021163.1	Ca_kabuli_chr04	29134817	CC	TT	1940294975
SNP_P1_69856_29134832	NC_021163.1	Ca_kabuli_chr04	29134832	GG	AA	1940294977
SNP_P1_69857_29134873	NC_021163.1	Ca_kabuli_chr04	29134873	AA	GG	1940294979
SNP_P1_69858_29134887	NC_021163.1	Ca_kabuli_chr04	29134887	CC	GG	1940294980

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69860_29134910	NC_021163.1	Ca_kabuli_chr04	29134910	GG	AA	1940294984
SNP_P1_69861_29134924	NC_021163.1	Ca_kabuli_chr04	29134924	GG	TT	1940294985
SNP_P1_69862_29134950	NC_021163.1	Ca_kabuli_chr04	29134950	GG	AA	1940294987
SNP_P1_69863_29134959	NC_021163.1	Ca_kabuli_chr04	29134959	AA	GG	1940294989
SNP_P1_69864_29134969	NC_021163.1	Ca_kabuli_chr04	29134969	GG	AA	1940294990
SNP_P1_69865_29134988	NC_021163.1	Ca_kabuli_chr04	29134988	GG	AA	1940294992
SNP_P1_69866_29135069	NC_021163.1	Ca_kabuli_chr04	29135069	CC	TT	1940294994
SNP_P1_69867_29135094	NC_021163.1	Ca_kabuli_chr04	29135094	AA	CC	1940294995
SNP_P1_69868_29135096	NC_021163.1	Ca_kabuli_chr04	29135096	GG	AA	1940294997
SNP_P1_69869_29135176	NC_021163.1	Ca_kabuli_chr04	29135176	AA	TT	1940294999
SNP_P1_69870_29135208	NC_021163.1	Ca_kabuli_chr04	29135208	TT	GG	1940295000
SNP_P1_69871_29135330	NC_021163.1	Ca_kabuli_chr04	29135330	AA	TT	1940295002
SNP_P1_69872_29135384	NC_021163.1	Ca_kabuli_chr04	29135384	AA	GG	1940295004
SNP_P1_69873_29135400	NC_021163.1	Ca_kabuli_chr04	29135400	AA	GG	1940295005
SNP_P1_69874_29135595	NC_021163.1	Ca_kabuli_chr04	29135595	TT	CC	1940295007
SNP_P1_69875_29135671	NC_021163.1	Ca_kabuli_chr04	29135671	TT	CC	1940295008
SNP_P1_69876_29135844	NC_021163.1	Ca_kabuli_chr04	29135844	GG	TT	1940295010
SNP_P1_69877_29136010	NC_021163.1	Ca_kabuli_chr04	29136010	CC	TT	1940295012
SNP_P1_69879_29136040	NC_021163.1	Ca_kabuli_chr04	29136040	CC	TT	1940295013
SNP_P1_69880_29136085	NC_021163.1	Ca_kabuli_chr04	29136085	TT	GG	1940295015
SNP_P1_69881_29136087	NC_021163.1	Ca_kabuli_chr04	29136087	GG	AA	1940295017
SNP_P1_69882_29136250	NC_021163.1	Ca_kabuli_chr04	29136250	TT	CC	1940295018
SNP_P1_69883_29136789	NC_021163.1	Ca_kabuli_chr04	29136789	AA	GG	1940295020
SNP_P1_69884_29136857	NC_021163.1	Ca_kabuli_chr04	29136857	AA	TT	1940295022
SNP_P1_69885_29137292	NC_021163.1	Ca_kabuli_chr04	29137292	AA	GG	1940295023
SNP_P1_69886_29137530	NC_021163.1	Ca_kabuli_chr04	29137530	CC	AA	1940295025
SNP_P1_69887_29137547	NC_021163.1	Ca_kabuli_chr04	29137547	CC	TT	1940295027
SNP_P1_69888_29137561	NC_021163.1	Ca_kabuli_chr04	29137561	CC	AA	1940295028
SNP_P1_69889_29146052	NC_021163.1	Ca_kabuli_chr04	29146052	TT	CC	1940295030
SNP_P1_69890_29147601	NC_021163.1	Ca_kabuli_chr04	29147601	AA	GG	1940295031
SNP_P1_69891_29147626	NC_021163.1	Ca_kabuli_chr04	29147626	AA	CC	1940295033
SNP_P1_69892_29149874	NC_021163.1	Ca_kabuli_chr04	29149874	AA	TT	1940295035
SNP_P1_69893_29155864	NC_021163.1	Ca_kabuli_chr04	29155864	AA	GG	1940295036
SNP_P1_69894_29156352	NC_021163.1	Ca_kabuli_chr04	29156352	CC	TT	1940295038
SNP_P1_69895_29156497	NC_021163.1	Ca_kabuli_chr04	29156497	CC	GG	1940295040
SNP_P1_69896_29156652	NC_021163.1	Ca_kabuli_chr04	29156652	TT	GG	1940295041
SNP_P1_69898_29157787	NC_021163.1	Ca_kabuli_chr04	29157787	CC	AA	1940295043
SNP_P1_69900_29158242	NC_021163.1	Ca_kabuli_chr04	29158242	AA	GG	1940295045
SNP_P1_69901_29158389	NC_021163.1	Ca_kabuli_chr04	29158389	GG	AA	1940295046
SNP_P1_69902_29158392	NC_021163.1	Ca_kabuli_chr04	29158392	CC	TT	1940295048
SNP_P1_69906_29162506	NC_021163.1	Ca_kabuli_chr04	29162506	TT	CC	1940295050

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_69910_29175681	NC_021163.1	Ca_kabuli_chr04	29175681	TT	CC	1940295053
SNP_P1_69911_29175727	NC_021163.1	Ca_kabuli_chr04	29175727	CC	TT	1940295054
SNP_P1_69912_29175948	NC_021163.1	Ca_kabuli_chr04	29175948	TT	CC	1940295056
SNP_P1_69913_29176299	NC_021163.1	Ca_kabuli_chr04	29176299	GG	AA	1940295058
SNP_P1_69914_29176336	NC_021163.1	Ca_kabuli_chr04	29176336	AA	TT	1940295059
SNP_P1_69915_29176417	NC_021163.1	Ca_kabuli_chr04	29176417	GG	AA	1940295061
SNP_P1_69916_29176761	NC_021163.1	Ca_kabuli_chr04	29176761	TT	CC	1940295063
SNP_P1_69917_29178215	NC_021163.1	Ca_kabuli_chr04	29178215	GG	AA	1940295064
SNP_P1_69918_29184558	NC_021163.1	Ca_kabuli_chr04	29184558	AA	CC	1940295066
SNP_P1_69920_29185941	NC_021163.1	Ca_kabuli_chr04	29185941	GG	TT	1940295068
SNP_P1_69921_29185967	NC_021163.1	Ca_kabuli_chr04	29185967	CC	TT	1940295069
SNP_P1_69922_29185994	NC_021163.1	Ca_kabuli_chr04	29185994	CC	TT	1940295071
SNP_P1_69923_29186334	NC_021163.1	Ca_kabuli_chr04	29186334	TT	CC	1940295073
SNP_P1_69924_29186828	NC_021163.1	Ca_kabuli_chr04	29186828	TT	GG	1940295074
SNP_P1_69925_29187841	NC_021163.1	Ca_kabuli_chr04	29187841	AA	GG	1940295076
SNP_P1_69926_29187923	NC_021163.1	Ca_kabuli_chr04	29187923	CC	TT	1940295078
SNP_P1_69927_29188293	NC_021163.1	Ca_kabuli_chr04	29188293	AA	TT	1940295079
SNP_P1_69928_29188369	NC_021163.1	Ca_kabuli_chr04	29188369	GG	AA	1940295081
SNP_P1_69929_29188522	NC_021163.1	Ca_kabuli_chr04	29188522	CC	GG	1940295082
SNP_P1_69930_29188605	NC_021163.1	Ca_kabuli_chr04	29188605	AA	TT	1940295084
SNP_P1_69932_29188691	NC_021163.1	Ca_kabuli_chr04	29188691	GG	TT	1940295086
SNP_P1_69933_29188732	NC_021163.1	Ca_kabuli_chr04	29188732	AA	GG	1940295087
SNP_P1_69934_29188790	NC_021163.1	Ca_kabuli_chr04	29188790	CC	GG	1940295089
SNP_P1_69936_29188965	NC_021163.1	Ca_kabuli_chr04	29188965	AA	CC	1940295091
SNP_P1_69937_29190215	NC_021163.1	Ca_kabuli_chr04	29190215	GG	CC	1940295092
SNP_P1_69940_29190749	NC_021163.1	Ca_kabuli_chr04	29190749	CC	TT	1940295094
SNP_P1_69942_29191427	NC_021163.1	Ca_kabuli_chr04	29191427	TT	GG	1940295096
SNP_P1_69943_29191741	NC_021163.1	Ca_kabuli_chr04	29191741	TT	CC	1940295097
SNP_P1_69944_29191973	NC_021163.1	Ca_kabuli_chr04	29191973	AA	GG	1940295099
SNP_P1_69945_29192638	NC_021163.1	Ca_kabuli_chr04	29192638	GG	AA	1940295101
SNP_P1_69946_29192700	NC_021163.1	Ca_kabuli_chr04	29192700	TT	AA	1940295102
SNP_P1_69947_29192701	NC_021163.1	Ca_kabuli_chr04	29192701	CC	TT	1940295104
SNP_P1_69948_29192740	NC_021163.1	Ca_kabuli_chr04	29192740	TT	CC	1940295106
SNP_P1_69949_29192771	NC_021163.1	Ca_kabuli_chr04	29192771	AA	GG	1940295107
SNP_P1_69950_29193779	NC_021163.1	Ca_kabuli_chr04	29193779	TT	CC	1940295109
SNP_P1_69951_29194507	NC_021163.1	Ca_kabuli_chr04	29194507	TT	CC	1940295110
SNP_P1_69952_29194782	NC_021163.1	Ca_kabuli_chr04	29194782	TT	GG	1940295112
SNP_P1_69953_29194990	NC_021163.1	Ca_kabuli_chr04	29194990	TT	CC	1940295114
SNP_P1_69954_29195251	NC_021163.1	Ca_kabuli_chr04	29195251	TT	AA	1940295115
SNP_P1_69955_29195480	NC_021163.1	Ca_kabuli_chr04	29195480	GG	TT	1940295117
SNP_P1_69956_29195506	NC_021163.1	Ca_kabuli_chr04	29195506	CC	TT	1940295119

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_69958_29195594	NC_021163.1	Ca_kabuli_chr04	29195594	AA	TT	1940295120
SNP_P1_69959_29195595	NC_021163.1	Ca_kabuli_chr04	29195595	AA	TT	1940295122
SNP_P1_69960_29195598	NC_021163.1	Ca_kabuli_chr04	29195598	AA	CC	1940295124
SNP_P1_69961_29196647	NC_021163.1	Ca_kabuli_chr04	29196647	GG	AA	1940295125
SNP_P1_69962_29196875	NC_021163.1	Ca_kabuli_chr04	29196875	CC	GG	1940295127
SNP_P1_69963_29196903	NC_021163.1	Ca_kabuli_chr04	29196903	GG	CC	1940295129
SNP_P1_69964_29196931	NC_021163.1	Ca_kabuli_chr04	29196931	CC	TT	1940295130
SNP_P1_69965_29196955	NC_021163.1	Ca_kabuli_chr04	29196955	GG	AA	1940295132
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SNP_P1_69967_29196973	NC_021163.1	Ca_kabuli_chr04	29196973	AA	GG	1940295135
SNP_P1_69969_29202472	NC_021163.1	Ca_kabuli_chr04	29202472	GG	TT	1940295137
SNP_P1_69970_29202507	NC_021163.1	Ca_kabuli_chr04	29202507	AA	CC	1940295139
SNP_P1_69971_29202575	NC_021163.1	Ca_kabuli_chr04	29202575	CC	TT	1940295140
SNP_P1_69972_29202728	NC_021163.1	Ca_kabuli_chr04	29202728	TT	CC	1940295142
SNP_P1_69973_29202955	NC_021163.1	Ca_kabuli_chr04	29202955	TT	GG	1940295143
SNP_P1_69975_29203015	NC_021163.1	Ca_kabuli_chr04	29203015	AA	GG	1940295145
SNP_P1_69976_29203419	NC_021163.1	Ca_kabuli_chr04	29203419	TT	CC	1940295147
SNP_P1_69978_29203853	NC_021163.1	Ca_kabuli_chr04	29203853	GG	CC	1940295148
SNP_P1_69979_29203869	NC_021163.1	Ca_kabuli_chr04	29203869	TT	CC	1940295150
SNP_P1_69981_29205123	NC_021163.1	Ca_kabuli_chr04	29205123	GG	AA	1940295152
SNP_P1_69982_29205135	NC_021163.1	Ca_kabuli_chr04	29205135	AA	GG	1940295153
SNP_P1_69983_29206277	NC_021163.1	Ca_kabuli_chr04	29206277	GG	AA	1940295155
SNP_P1_69985_29207001	NC_021163.1	Ca_kabuli_chr04	29207001	AA	TT	1940295157
SNP_P1_69986_29207124	NC_021163.1	Ca_kabuli_chr04	29207124	CC	TT	1940295158
SNP_P1_69987_29207262	NC_021163.1	Ca_kabuli_chr04	29207262	TT	CC	1940295160
SNP_P1_69988_29207264	NC_021163.1	Ca_kabuli_chr04	29207264	AA	GG	1940295162
SNP_P1_69990_29207499	NC_021163.1	Ca_kabuli_chr04	29207499	CC	TT	1940295163
SNP_P1_69991_29207541	NC_021163.1	Ca_kabuli_chr04	29207541	TT	AA	1940295165
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SNP_P1_69994_29207608	NC_021163.1	Ca_kabuli_chr04	29207608	GG	TT	1940295170
SNP_P1_69995_29207704	NC_021163.1	Ca_kabuli_chr04	29207704	TT	AA	1940295172
SNP_P1_69996_29207708	NC_021163.1	Ca_kabuli_chr04	29207708	CC	TT	1940295173
SNP_P1_69997_29207709	NC_021163.1	Ca_kabuli_chr04	29207709	TT	CC	1940295175
SNP_P1_69998_29207710	NC_021163.1	Ca_kabuli_chr04	29207710	AA	GG	1940295177
SNP_P1_69999_29207867	NC_021163.1	Ca_kabuli_chr04	29207867	TT	GG	1940295178
SNP_P1_70000_29207979	NC_021163.1	Ca_kabuli_chr04	29207979	TT	CC	1940295180
SNP_P1_70001_29208105	NC_021163.1	Ca_kabuli_chr04	29208105	AA	GG	1940295182
SNP_P1_70002_29208305	NC_021163.1	Ca_kabuli_chr04	29208305	GG	AA	1940295183
SNP_P1_70003_29208410	NC_021163.1	Ca_kabuli_chr04	29208410	TT	CC	1940295185
SNP_P1_70004_29208444	NC_021163.1	Ca_kabuli_chr04	29208444	TT	CC	1940295186
SNP_P1_70005_29208471	NC_021163.1	Ca_kabuli_chr04	29208471	CC	TT	1940295188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_70006_29208695	NC_021163.1	Ca_kabuli_chr04	29208695	AA	GG	1940295190
SNP_P1_70007_29209260	NC_021163.1	Ca_kabuli_chr04	29209260	CC	TT	1940295191
SNP_P1_70008_29209286	NC_021163.1	Ca_kabuli_chr04	29209286	TT	GG	1940295193
SNP_P1_70009_29210666	NC_021163.1	Ca_kabuli_chr04	29210666	TT	CC	1940295195
SNP_P1_70010_29210668	NC_021163.1	Ca_kabuli_chr04	29210668	GG	TT	1940295196
SNP_P1_70011_29212986	NC_021163.1	Ca_kabuli_chr04	29212986	AA	GG	1940295198
SNP_P1_70012_29213061	NC_021163.1	Ca_kabuli_chr04	29213061	AA	GG	1940295200
SNP_P1_70014_29213587	NC_021163.1	Ca_kabuli_chr04	29213587	GG	AA	1940295201
SNP_P1_70015_29213924	NC_021163.1	Ca_kabuli_chr04	29213924	CC	AA	1940295203
SNP_P1_70016_29214362	NC_021163.1	Ca_kabuli_chr04	29214362	AA	TT	1940295205
SNP_P1_70017_29214747	NC_021163.1	Ca_kabuli_chr04	29214747	TT	CC	1940295206
SNP_P1_70018_29215901	NC_021163.1	Ca_kabuli_chr04	29215901	TT	CC	1940295208
SNP_P1_70019_29216158	NC_021163.1	Ca_kabuli_chr04	29216158	GG	CC	1940295210
SNP_P1_70020_29216206	NC_021163.1	Ca_kabuli_chr04	29216206	TT	CC	1940295211
SNP_P1_70021_29216421	NC_021163.1	Ca_kabuli_chr04	29216421	GG	AA	1940295213
SNP_P1_70022_29217251	NC_021163.1	Ca_kabuli_chr04	29217251	GG	TT	1940295215
SNP_P1_70023_29220756	NC_021163.1	Ca_kabuli_chr04	29220756	AA	GG	1940295216
SNP_P1_70024_29220758	NC_021163.1	Ca_kabuli_chr04	29220758	AA	GG	1940295218
SNP_P1_70025_29220773	NC_021163.1	Ca_kabuli_chr04	29220773	AA	GG	1940295220
SNP_P1_70026_29221072	NC_021163.1	Ca_kabuli_chr04	29221072	GG	AA	1940295221
SNP_P1_70028_29221387	NC_021163.1	Ca_kabuli_chr04	29221387	AA	GG	1940295223
SNP_P1_70029_29221391	NC_021163.1	Ca_kabuli_chr04	29221391	CC	AA	1940295225
SNP_P1_70030_29221947	NC_021163.1	Ca_kabuli_chr04	29221947	AA	CC	1940295226
SNP_P1_70032_29222001	NC_021163.1	Ca_kabuli_chr04	29222001	TT	AA	1940295228
SNP_P1_70033_29222271	NC_021163.1	Ca_kabuli_chr04	29222271	AA	TT	1940295229
SNP_P1_70035_29222451	NC_021163.1	Ca_kabuli_chr04	29222451	GG	AA	1940295231
SNP_P1_70036_29222491	NC_021163.1	Ca_kabuli_chr04	29222491	GG	TT	1940295233
SNP_P1_70037_29222582	NC_021163.1	Ca_kabuli_chr04	29222582	CC	TT	1940295234
SNP_P1_70038_29222909	NC_021163.1	Ca_kabuli_chr04	29222909	GG	CC	1940295236
SNP_P1_70039_29222959	NC_021163.1	Ca_kabuli_chr04	29222959	GG	CC	1940295238
SNP_P1_70040_29223202	NC_021163.1	Ca_kabuli_chr04	29223202	CC	TT	1940295239
SNP_P1_70041_29224248	NC_021163.1	Ca_kabuli_chr04	29224248	TT	GG	1940295241
SNP_P1_70042_29224274	NC_021163.1	Ca_kabuli_chr04	29224274	TT	AA	1940295243
SNP_P1_70043_29224275	NC_021163.1	Ca_kabuli_chr04	29224275	AA	TT	1940295244
SNP_P1_70044_29224304	NC_021163.1	Ca_kabuli_chr04	29224304	AA	TT	1940295246
SNP_P1_70045_29224332	NC_021163.1	Ca_kabuli_chr04	29224332	CC	GG	1940295248
SNP_P1_70046_29224501	NC_021163.1	Ca_kabuli_chr04	29224501	GG	AA	1940295249
SNP_P1_70047_29224529	NC_021163.1	Ca_kabuli_chr04	29224529	CC	GG	1940295251
SNP_P1_70048_29224586	NC_021163.1	Ca_kabuli_chr04	29224586	GG	AA	1940295253
SNP_P1_70049_29224609	NC_021163.1	Ca_kabuli_chr04	29224609	CC	TT	1940295254
SNP_P1_70050_29224610	NC_021163.1	Ca_kabuli_chr04	29224610	AA	GG	1940295256
SNP_P1_70051_29224834	NC_021163.1	Ca_kabuli_chr04	29224834	TT	AA	1940295258

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70053_29225599	NC_021163.1	Ca_kabuli_chr04	29225599	GG	TT	1940295261
SNP_P1_70054_29225997	NC_021163.1	Ca_kabuli_chr04	29225997	CC	AA	1940295263
SNP_P1_70055_29226318	NC_021163.1	Ca_kabuli_chr04	29226318	AA	TT	1940295264
SNP_P1_70057_29230687	NC_021163.1	Ca_kabuli_chr04	29230687	AA	CC	1940295266
SNP_P1_70058_29230721	NC_021163.1	Ca_kabuli_chr04	29230721	GG	AA	1940295267
SNP_P1_70059_29230723	NC_021163.1	Ca_kabuli_chr04	29230723	CC	TT	1940295269
SNP_P1_70060_29230763	NC_021163.1	Ca_kabuli_chr04	29230763	TT	AA	1940295271
SNP_P1_70061_29230920	NC_021163.1	Ca_kabuli_chr04	29230920	CC	TT	1940295272
SNP_P1_70062_29230952	NC_021163.1	Ca_kabuli_chr04	29230952	AA	CC	1940295274
SNP_P1_70063_29231533	NC_021163.1	Ca_kabuli_chr04	29231533	TT	CC	1940295276
SNP_P1_70064_29231577	NC_021163.1	Ca_kabuli_chr04	29231577	TT	CC	1940295277
SNP_P1_70066_29231826	NC_021163.1	Ca_kabuli_chr04	29231826	CC	TT	1940295279
SNP_P1_70067_29231831	NC_021163.1	Ca_kabuli_chr04	29231831	AA	GG	1940295281
SNP_P1_70068_29231938	NC_021163.1	Ca_kabuli_chr04	29231938	TT	GG	1940295282
SNP_P1_70069_29232068	NC_021163.1	Ca_kabuli_chr04	29232068	CC	TT	1940295284
SNP_P1_70070_29232106	NC_021163.1	Ca_kabuli_chr04	29232106	TT	CC	1940295286
SNP_P1_70071_29232107	NC_021163.1	Ca_kabuli_chr04	29232107	GG	AA	1940295287
SNP_P1_70072_29232111	NC_021163.1	Ca_kabuli_chr04	29232111	TT	GG	1940295289
SNP_P1_70073_29232153	NC_021163.1	Ca_kabuli_chr04	29232153	TT	CC	1940295291
SNP_P1_70074_29232375	NC_021163.1	Ca_kabuli_chr04	29232375	AA	GG	1940295292
SNP_P1_70075_29232449	NC_021163.1	Ca_kabuli_chr04	29232449	GG	AA	1940295294
SNP_P1_70076_29232895	NC_021163.1	Ca_kabuli_chr04	29232895	CC	GG	1940295296
SNP_P1_70077_29232932	NC_021163.1	Ca_kabuli_chr04	29232932	AA	TT	1940295297
SNP_P1_70078_29232933	NC_021163.1	Ca_kabuli_chr04	29232933	GG	AA	1940295299
SNP_P1_70079_29233095	NC_021163.1	Ca_kabuli_chr04	29233095	CC	TT	1940295301
SNP_P1_70080_29233118	NC_021163.1	Ca_kabuli_chr04	29233118	GG	AA	1940295302
SNP_P1_70081_29233255	NC_021163.1	Ca_kabuli_chr04	29233255	AA	GG	1940295304
SNP_P1_70082_29233258	NC_021163.1	Ca_kabuli_chr04	29233258	AA	GG	1940295305
SNP_P1_70083_29233571	NC_021163.1	Ca_kabuli_chr04	29233571	TT	GG	1940295307
SNP_P1_70084_29234017	NC_021163.1	Ca_kabuli_chr04	29234017	TT	CC	1940295309
SNP_P1_70085_29234087	NC_021163.1	Ca_kabuli_chr04	29234087	CC	TT	1940295310
SNP_P1_70087_29234839	NC_021163.1	Ca_kabuli_chr04	29234839	CC	GG	1940295312
SNP_P1_70088_29234845	NC_021163.1	Ca_kabuli_chr04	29234845	TT	CC	1940295314
SNP_P1_70089_29235180	NC_021163.1	Ca_kabuli_chr04	29235180	TT	AA	1940295315
SNP_P1_70090_29235476	NC_021163.1	Ca_kabuli_chr04	29235476	AA	GG	1940295317
SNP_P1_70091_29235538	NC_021163.1	Ca_kabuli_chr04	29235538	CC	TT	1940295319
SNP_P1_70092_29236070	NC_021163.1	Ca_kabuli_chr04	29236070	TT	CC	1940295320
SNP_P1_70093_29236338	NC_021163.1	Ca_kabuli_chr04	29236338	CC	TT	1940295322
SNP_P1_70094_29236340	NC_021163.1	Ca_kabuli_chr04	29236340	AA	GG	1940295324
SNP_P1_70095_29236550	NC_021163.1	Ca_kabuli_chr04	29236550	TT	CC	1940295325
SNP_P1_70096_29236626	NC_021163.1	Ca_kabuli_chr04	29236626	TT	GG	1940295327

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_70097_29236913	NC_021163.1	Ca_kabuli_chr04	29236913	AA	GG	1940295329
SNP_P1_70098_29236993	NC_021163.1	Ca_kabuli_chr04	29236993	TT	CC	1940295330
SNP_P1_70099_29237398	NC_021163.1	Ca_kabuli_chr04	29237398	GG	AA	1940295332
SNP_P1_70100_29237502	NC_021163.1	Ca_kabuli_chr04	29237502	CC	TT	1940295334
SNP_P1_70101_29237520	NC_021163.1	Ca_kabuli_chr04	29237520	AA	GG	1940295335
SNP_P1_70102_29238083	NC_021163.1	Ca_kabuli_chr04	29238083	GG	AA	1940295337
SNP_P1_70103_29238342	NC_021163.1	Ca_kabuli_chr04	29238342	AA	GG	1940295338
SNP_P1_70104_29238397	NC_021163.1	Ca_kabuli_chr04	29238397	CC	TT	1940295340
SNP_P1_70105_29238680	NC_021163.1	Ca_kabuli_chr04	29238680	GG	AA	1940295342
SNP_P1_70106_29238702	NC_021163.1	Ca_kabuli_chr04	29238702	CC	TT	1940295343
SNP_P1_70108_29238813	NC_021163.1	Ca_kabuli_chr04	29238813	CC	TT	1940295345
SNP_P1_70110_29239171	NC_021163.1	Ca_kabuli_chr04	29239171	GG	AA	1940295347
SNP_P1_70111_29240025	NC_021163.1	Ca_kabuli_chr04	29240025	CC	AA	1940295348
SNP_P1_70112_29240031	NC_021163.1	Ca_kabuli_chr04	29240031	TT	CC	1940295350
SNP_P1_70113_29240065	NC_021163.1	Ca_kabuli_chr04	29240065	TT	CC	1940295352
SNP_P1_70114_29240527	NC_021163.1	Ca_kabuli_chr04	29240527	AA	TT	1940295353
SNP_P1_70116_29240626	NC_021163.1	Ca_kabuli_chr04	29240626	CC	GG	1940295355
SNP_P1_70117_29240682	NC_021163.1	Ca_kabuli_chr04	29240682	GG	AA	1940295357
SNP_P1_70118_29243075	NC_021163.1	Ca_kabuli_chr04	29243075	AA	GG	1940295358
SNP_P1_70120_29243421	NC_021163.1	Ca_kabuli_chr04	29243421	AA	CC	1940295360
SNP_P1_70121_29243442	NC_021163.1	Ca_kabuli_chr04	29243442	AA	GG	1940295362
SNP_P1_70122_29243466	NC_021163.1	Ca_kabuli_chr04	29243466	CC	TT	1940295363
SNP_P1_70123_29243470	NC_021163.1	Ca_kabuli_chr04	29243470	AA	TT	1940295365
SNP_P1_70124_29244371	NC_021163.1	Ca_kabuli_chr04	29244371	TT	GG	1940295367
SNP_P1_70125_29244434	NC_021163.1	Ca_kabuli_chr04	29244434	AA	CC	1940295368
SNP_P1_70126_29244529	NC_021163.1	Ca_kabuli_chr04	29244529	GG	CC	1940295370
SNP_P1_70127_29244669	NC_021163.1	Ca_kabuli_chr04	29244669	GG	AA	1940295371
SNP_P1_70128_29244763	NC_021163.1	Ca_kabuli_chr04	29244763	AA	GG	1940295373
SNP_P1_70130_29244845	NC_021163.1	Ca_kabuli_chr04	29244845	CC	GG	1940295375
SNP_P1_70131_29244857	NC_021163.1	Ca_kabuli_chr04	29244857	TT	GG	1940295376
SNP_P1_70132_29244881	NC_021163.1	Ca_kabuli_chr04	29244881	GG	AA	1940295378
SNP_P1_70133_29245057	NC_021163.1	Ca_kabuli_chr04	29245057	AA	GG	1940295380
SNP_P1_70134_29245073	NC_021163.1	Ca_kabuli_chr04	29245073	CC	TT	1940295381
SNP_P1_70136_29245115	NC_021163.1	Ca_kabuli_chr04	29245115	AA	CC	1940295383
SNP_P1_70137_29245157	NC_021163.1	Ca_kabuli_chr04	29245157	TT	AA	1940295385
SNP_P1_70138_29245638	NC_021163.1	Ca_kabuli_chr04	29245638	GG	AA	1940295386
SNP_P1_70139_29247287	NC_021163.1	Ca_kabuli_chr04	29247287	TT	CC	1940295388
SNP_P1_70140_29247307	NC_021163.1	Ca_kabuli_chr04	29247307	CC	TT	1940295390
SNP_P1_70141_29247917	NC_021163.1	Ca_kabuli_chr04	29247917	AA	GG	1940295391
SNP_P1_70142_29247958	NC_021163.1	Ca_kabuli_chr04	29247958	TT	CC	1940295393
SNP_P1_70143_29247970	NC_021163.1	Ca_kabuli_chr04	29247970	TT	AA	1940295395
SNP_P1_70144_29247972	NC_021163.1	Ca_kabuli_chr04	29247972	GG	AA	1940295396

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_70145_29248104	NC_021163.1	Ca_kabuli_chr04	29248104	TT	AA	1940295398
SNP_P1_70146_29248198	NC_021163.1	Ca_kabuli_chr04	29248198	TT	CC	1940295400
SNP_P1_70147_29248590	NC_021163.1	Ca_kabuli_chr04	29248590	CC	AA	1940295401
SNP_P1_70148_29248855	NC_021163.1	Ca_kabuli_chr04	29248855	CC	GG	1940295403
SNP_P1_70149_29260827	NC_021163.1	Ca_kabuli_chr04	29260827	GG	AA	1940295405
SNP_P1_70150_29262046	NC_021163.1	Ca_kabuli_chr04	29262046	GG	CC	1940295406
SNP_P1_70151_29262073	NC_021163.1	Ca_kabuli_chr04	29262073	AA	GG	1940295408
SNP_P1_70153_29262264	NC_021163.1	Ca_kabuli_chr04	29262264	CC	GG	1940295409
SNP_P1_70154_29263063	NC_021163.1	Ca_kabuli_chr04	29263063	TT	CC	1940295411
SNP_P1_70155_29263074	NC_021163.1	Ca_kabuli_chr04	29263074	GG	AA	1940295413
SNP_P1_70156_29263237	NC_021163.1	Ca_kabuli_chr04	29263237	GG	AA	1940295414
SNP_P1_70157_29263251	NC_021163.1	Ca_kabuli_chr04	29263251	TT	CC	1940295416
SNP_P1_70158_29263287	NC_021163.1	Ca_kabuli_chr04	29263287	TT	GG	1940295418
SNP_P1_70159_29263288	NC_021163.1	Ca_kabuli_chr04	29263288	AA	CC	1940295419
SNP_P1_70162_29264085	NC_021163.1	Ca_kabuli_chr04	29264085	AA	CC	1940295421
SNP_P1_70163_29264236	NC_021163.1	Ca_kabuli_chr04	29264236	TT	CC	1940295423
SNP_P1_70164_29265484	NC_021163.1	Ca_kabuli_chr04	29265484	CC	TT	1940295424
SNP_P1_70165_29265544	NC_021163.1	Ca_kabuli_chr04	29265544	GG	CC	1940295426
SNP_P1_70166_29265914	NC_021163.1	Ca_kabuli_chr04	29265914	TT	AA	1940295428
SNP_P1_70167_29265973	NC_021163.1	Ca_kabuli_chr04	29265973	GG	AA	1940295429
SNP_P1_70168_29265974	NC_021163.1	Ca_kabuli_chr04	29265974	CC	GG	1940295431
SNP_P1_70169_29266591	NC_021163.1	Ca_kabuli_chr04	29266591	CC	AA	1940295433
SNP_P1_70170_29266685	NC_021163.1	Ca_kabuli_chr04	29266685	GG	AA	1940295434
SNP_P1_70172_29266856	NC_021163.1	Ca_kabuli_chr04	29266856	CC	TT	1940295436
SNP_P1_70173_29266857	NC_021163.1	Ca_kabuli_chr04	29266857	TT	AA	1940295438
SNP_P1_70174_29266965	NC_021163.1	Ca_kabuli_chr04	29266965	CC	TT	1940295439
SNP_P1_70176_29273574	NC_021163.1	Ca_kabuli_chr04	29273574	GG	AA	1940295441
SNP_P1_70178_29277939	NC_021163.1	Ca_kabuli_chr04	29277939	AA	GG	1940295443
SNP_P1_70180_29279413	NC_021163.1	Ca_kabuli_chr04	29279413	CC	TT	1940295444
SNP_P1_70182_29280820	NC_021163.1	Ca_kabuli_chr04	29280820	GG	TT	1940295446
SNP_P1_70183_29282037	NC_021163.1	Ca_kabuli_chr04	29282037	AA	GG	1940295448
SNP_P1_70184_29283578	NC_021163.1	Ca_kabuli_chr04	29283578	CC	TT	1940295449
SNP_P1_70186_29292314	NC_021163.1	Ca_kabuli_chr04	29292314	GG	AA	1940295451
SNP_P1_70187_29292346	NC_021163.1	Ca_kabuli_chr04	29292346	AA	CC	1940295453
SNP_P1_70189_29298313	NC_021163.1	Ca_kabuli_chr04	29298313	GG	AA	1940295454
SNP_P1_70190_29298844	NC_021163.1	Ca_kabuli_chr04	29298844	GG	AA	1940295456
SNP_P1_70191_29298884	NC_021163.1	Ca_kabuli_chr04	29298884	TT	CC	1940295458
SNP_P1_70192_29305055	NC_021163.1	Ca_kabuli_chr04	29305055	TT	GG	1940295459
SNP_P1_70193_29305060	NC_021163.1	Ca_kabuli_chr04	29305060	GG	AA	1940295461
SNP_P1_70194_29305061	NC_021163.1	Ca_kabuli_chr04	29305061	TT	CC	1940295462
SNP_P1_70195_29305094	NC_021163.1	Ca_kabuli_chr04	29305094	CC	TT	1940295464
SNP_P1_70196_29305341	NC_021163.1	Ca_kabuli_chr04	29305341	TT	CC	1940295466

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70198_29306168	NC_021163.1	Ca_kabuli_chr04	29306168	TT	CC	1940295469
SNP_P1_70199_29306913	NC_021163.1	Ca_kabuli_chr04	29306913	GG	TT	1940295471
SNP_P1_70200_29307582	NC_021163.1	Ca_kabuli_chr04	29307582	TT	CC	1940295472
SNP_P1_70201_29307622	NC_021163.1	Ca_kabuli_chr04	29307622	AA	TT	1940295474
SNP_P1_70202_29308145	NC_021163.1	Ca_kabuli_chr04	29308145	TT	AA	1940295476
SNP_P1_70203_29308168	NC_021163.1	Ca_kabuli_chr04	29308168	CC	TT	1940295477
SNP_P1_70204_29309337	NC_021163.1	Ca_kabuli_chr04	29309337	CC	TT	1940295479
SNP_P1_70206_29310017	NC_021163.1	Ca_kabuli_chr04	29310017	AA	CC	1940295481
SNP_P1_70207_29310019	NC_021163.1	Ca_kabuli_chr04	29310019	CC	AA	1940295482
SNP_P1_70208_29310190	NC_021163.1	Ca_kabuli_chr04	29310190	AA	TT	1940295484
SNP_P1_70209_29310199	NC_021163.1	Ca_kabuli_chr04	29310199	TT	GG	1940295486
SNP_P1_70210_29310200	NC_021163.1	Ca_kabuli_chr04	29310200	TT	CC	1940295487
SNP_P1_70211_29310279	NC_021163.1	Ca_kabuli_chr04	29310279	AA	TT	1940295489
SNP_P1_70212_29310384	NC_021163.1	Ca_kabuli_chr04	29310384	AA	TT	1940295490
SNP_P1_70213_29310387	NC_021163.1	Ca_kabuli_chr04	29310387	GG	TT	1940295492
SNP_P1_70214_29310472	NC_021163.1	Ca_kabuli_chr04	29310472	GG	AA	1940295494
SNP_P1_70215_29310516	NC_021163.1	Ca_kabuli_chr04	29310516	CC	TT	1940295495
SNP_P1_70216_29310518	NC_021163.1	Ca_kabuli_chr04	29310518	TT	AA	1940295497
SNP_P1_70217_29310566	NC_021163.1	Ca_kabuli_chr04	29310566	GG	AA	1940295499
SNP_P1_70218_29310590	NC_021163.1	Ca_kabuli_chr04	29310590	TT	AA	1940295500
SNP_P1_70219_29310604	NC_021163.1	Ca_kabuli_chr04	29310604	AA	GG	1940295502
SNP_P1_70220_29310650	NC_021163.1	Ca_kabuli_chr04	29310650	AA	GG	1940295504
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SNP_P1_70223_29310965	NC_021163.1	Ca_kabuli_chr04	29310965	TT	GG	1940295507
SNP_P1_70226_29312398	NC_021163.1	Ca_kabuli_chr04	29312398	AA	CC	1940295509
SNP_P1_70227_29313097	NC_021163.1	Ca_kabuli_chr04	29313097	CC	TT	1940295510
SNP_P1_70228_29313273	NC_021163.1	Ca_kabuli_chr04	29313273	TT	CC	1940295512
SNP_P1_70229_29313310	NC_021163.1	Ca_kabuli_chr04	29313310	GG	AA	1940295514
SNP_P1_70230_29313323	NC_021163.1	Ca_kabuli_chr04	29313323	CC	TT	1940295515
SNP_P1_70231_29313582	NC_021163.1	Ca_kabuli_chr04	29313582	AA	GG	1940295517
SNP_P1_70233_29314646	NC_021163.1	Ca_kabuli_chr04	29314646	AA	GG	1940295519
SNP_P1_70234_29314869	NC_021163.1	Ca_kabuli_chr04	29314869	TT	GG	1940295520
SNP_P1_70235_29315613	NC_021163.1	Ca_kabuli_chr04	29315613	CC	TT	1940295522
SNP_P1_70236_29315637	NC_021163.1	Ca_kabuli_chr04	29315637	GG	AA	1940295523
SNP_P1_70237_29316725	NC_021163.1	Ca_kabuli_chr04	29316725	TT	GG	1940295525
SNP_P1_70238_29317224	NC_021163.1	Ca_kabuli_chr04	29317224	CC	GG	1940295527
SNP_P1_70239_29317227	NC_021163.1	Ca_kabuli_chr04	29317227	GG	AA	1940295528
SNP_P1_70240_29317419	NC_021163.1	Ca_kabuli_chr04	29317419	CC	TT	1940295530
SNP_P1_70241_29317466	NC_021163.1	Ca_kabuli_chr04	29317466	GG	TT	1940295532
SNP_P1_70242_29317539	NC_021163.1	Ca_kabuli_chr04	29317539	GG	AA	1940295533
SNP_P1_70243_29317612	NC_021163.1	Ca_kabuli_chr04	29317612	GG	AA	1940295535

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70245_29317903	NC_021163.1	Ca_kabuli_chr04	29317903	AA	CC	1940295538
SNP_P1_70246_29318090	NC_021163.1	Ca_kabuli_chr04	29318090	TT	CC	1940295540
SNP_P1_70247_29319026	NC_021163.1	Ca_kabuli_chr04	29319026	GG	CC	1940295542
SNP_P1_70248_29319090	NC_021163.1	Ca_kabuli_chr04	29319090	AA	CC	1940295543
SNP_P1_70249_29319296	NC_021163.1	Ca_kabuli_chr04	29319296	AA	CC	1940295545
SNP_P1_70250_29319389	NC_021163.1	Ca_kabuli_chr04	29319389	GG	AA	1940295547
SNP_P1_70251_29320193	NC_021163.1	Ca_kabuli_chr04	29320193	TT	GG	1940295548
SNP_P1_70252_29320204	NC_021163.1	Ca_kabuli_chr04	29320204	TT	GG	1940295550
SNP_P1_70253_29320553	NC_021163.1	Ca_kabuli_chr04	29320553	GG	AA	1940295551
SNP_P1_70254_29320848	NC_021163.1	Ca_kabuli_chr04	29320848	TT	CC	1940295553
SNP_P1_70255_29320881	NC_021163.1	Ca_kabuli_chr04	29320881	CC	TT	1940295555
SNP_P1_70256_29320898	NC_021163.1	Ca_kabuli_chr04	29320898	CC	AA	1940295556
SNP_P1_70257_29321050	NC_021163.1	Ca_kabuli_chr04	29321050	AA	GG	1940295558
SNP_P1_70259_29321375	NC_021163.1	Ca_kabuli_chr04	29321375	GG	CC	1940295560
SNP_P1_70260_29321393	NC_021163.1	Ca_kabuli_chr04	29321393	TT	CC	1940295562
SNP_P1_70261_29321416	NC_021163.1	Ca_kabuli_chr04	29321416	AA	TT	1940295563
SNP_P1_70262_29321616	NC_021163.1	Ca_kabuli_chr04	29321616	AA	GG	1940295565
SNP_P1_70263_29321762	NC_021163.1	Ca_kabuli_chr04	29321762	GG	AA	1940295566
SNP_P1_70264_29321830	NC_021163.1	Ca_kabuli_chr04	29321830	GG	TT	1940295568
SNP_P1_70265_29321845	NC_021163.1	Ca_kabuli_chr04	29321845	AA	GG	1940295570
SNP_P1_70266_29321872	NC_021163.1	Ca_kabuli_chr04	29321872	CC	TT	1940295571
SNP_P1_70267_29322020	NC_021163.1	Ca_kabuli_chr04	29322020	TT	GG	1940295573
SNP_P1_70268_29322322	NC_021163.1	Ca_kabuli_chr04	29322322	CC	TT	1940295575
SNP_P1_70269_29322331	NC_021163.1	Ca_kabuli_chr04	29322331	CC	TT	1940295576
SNP_P1_70270_29323507	NC_021163.1	Ca_kabuli_chr04	29323507	TT	GG	1940295578
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SNP_P1_70272_29323739	NC_021163.1	Ca_kabuli_chr04	29323739	CC	TT	1940295581
SNP_P1_70273_29323741	NC_021163.1	Ca_kabuli_chr04	29323741	CC	TT	1940295583
SNP_P1_70274_29323746	NC_021163.1	Ca_kabuli_chr04	29323746	GG	AA	1940295585
SNP_P1_70275_29323752	NC_021163.1	Ca_kabuli_chr04	29323752	TT	CC	1940295586
SNP_P1_70276_29324272	NC_021163.1	Ca_kabuli_chr04	29324272	AA	CC	1940295588
SNP_P1_70277_29325295	NC_021163.1	Ca_kabuli_chr04	29325295	GG	AA	1940295590
SNP_P1_70278_29325543	NC_021163.1	Ca_kabuli_chr04	29325543	AA	GG	1940295591
SNP_P1_70279_29325594	NC_021163.1	Ca_kabuli_chr04	29325594	TT	CC	1940295593
SNP_P1_70280_29326084	NC_021163.1	Ca_kabuli_chr04	29326084	TT	GG	1940295595
SNP_P1_70281_29326100	NC_021163.1	Ca_kabuli_chr04	29326100	CC	TT	1940295596
SNP_P1_70282_29326411	NC_021163.1	Ca_kabuli_chr04	29326411	GG	AA	1940295598
SNP_P1_70283_29326572	NC_021163.1	Ca_kabuli_chr04	29326572	TT	CC	1940295600
SNP_P1_70284_29326889	NC_021163.1	Ca_kabuli_chr04	29326889	CC	AA	1940295601
SNP_P1_70285_29327249	NC_021163.1	Ca_kabuli_chr04	29327249	TT	CC	1940295603
SNP_P1_70286_29327656	NC_021163.1	Ca_kabuli_chr04	29327656	TT	CC	1940295605

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70288_29329524	NC_021163.1	Ca_kabuli_chr04	29329524	CC	TT	1940295608
SNP_P1_70289_29329727	NC_021163.1	Ca_kabuli_chr04	29329727	CC	AA	1940295609
SNP_P1_70290_29329832	NC_021163.1	Ca_kabuli_chr04	29329832	TT	CC	1940295611
SNP_P1_70291_29329860	NC_021163.1	Ca_kabuli_chr04	29329860	GG	TT	1940295613
SNP_P1_70292_29330012	NC_021163.1	Ca_kabuli_chr04	29330012	TT	CC	1940295614
SNP_P1_70294_29330265	NC_021163.1	Ca_kabuli_chr04	29330265	CC	AA	1940295616
SNP_P1_70295_29331118	NC_021163.1	Ca_kabuli_chr04	29331118	GG	AA	1940295617
SNP_P1_70296_29332978	NC_021163.1	Ca_kabuli_chr04	29332978	GG	CC	1940295619
SNP_P1_70297_29333217	NC_021163.1	Ca_kabuli_chr04	29333217	CC	TT	1940295621
SNP_P1_70298_29334387	NC_021163.1	Ca_kabuli_chr04	29334387	AA	GG	1940295622
SNP_P1_70299_29334435	NC_021163.1	Ca_kabuli_chr04	29334435	TT	CC	1940295624
SNP_P1_70301_29338348	NC_021163.1	Ca_kabuli_chr04	29338348	TT	CC	1940295626
SNP_P1_70302_29338382	NC_021163.1	Ca_kabuli_chr04	29338382	GG	AA	1940295627
SNP_P1_70303_29338541	NC_021163.1	Ca_kabuli_chr04	29338541	TT	CC	1940295629
SNP_P1_70304_29338728	NC_021163.1	Ca_kabuli_chr04	29338728	AA	GG	1940295631
SNP_P1_70305_29338781	NC_021163.1	Ca_kabuli_chr04	29338781	CC	TT	1940295632
SNP_P1_70306_29338931	NC_021163.1	Ca_kabuli_chr04	29338931	CC	TT	1940295634
SNP_P1_70307_29339273	NC_021163.1	Ca_kabuli_chr04	29339273	GG	AA	1940295636
SNP_P1_70309_29342766	NC_021163.1	Ca_kabuli_chr04	29342766	AA	GG	1940295637
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SNP_P1_70314_29349135	NC_021163.1	Ca_kabuli_chr04	29349135	TT	CC	1940295644
SNP_P1_70315_29349220	NC_021163.1	Ca_kabuli_chr04	29349220	CC	AA	1940295645
SNP_P1_70316_29349288	NC_021163.1	Ca_kabuli_chr04	29349288	AA	GG	1940295647
SNP_P1_70317_29349360	NC_021163.1	Ca_kabuli_chr04	29349360	GG	AA	1940295649
SNP_P1_70318_29349386	NC_021163.1	Ca_kabuli_chr04	29349386	TT	GG	1940295651
SNP_P1_70319_29349443	NC_021163.1	Ca_kabuli_chr04	29349443	CC	TT	1940295652
SNP_P1_70320_29349604	NC_021163.1	Ca_kabuli_chr04	29349604	GG	TT	1940295654
SNP_P1_70321_29349894	NC_021163.1	Ca_kabuli_chr04	29349894	TT	GG	1940295655
SNP_P1_70322_29349949	NC_021163.1	Ca_kabuli_chr04	29349949	AA	TT	1940295657
SNP_P1_70323_29349974	NC_021163.1	Ca_kabuli_chr04	29349974	AA	TT	1940295659
SNP_P1_70324_29349983	NC_021163.1	Ca_kabuli_chr04	29349983	GG	AA	1940295660
SNP_P1_70326_29350264	NC_021163.1	Ca_kabuli_chr04	29350264	CC	TT	1940295662
SNP_P1_70327_29350292	NC_021163.1	Ca_kabuli_chr04	29350292	TT	AA	1940295664
SNP_P1_70328_29350324	NC_021163.1	Ca_kabuli_chr04	29350324	CC	TT	1940295665
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SNP_P1_70330_29351027	NC_021163.1	Ca_kabuli_chr04	29351027	CC	AA	1940295669
SNP_P1_70331_29351273	NC_021163.1	Ca_kabuli_chr04	29351273	AA	GG	1940295670
SNP_P1_70332_29351293	NC_021163.1	Ca_kabuli_chr04	29351293	AA	GG	1940295672
SNP_P1_70334_29351314	NC_021163.1	Ca_kabuli_chr04	29351314	TT	GG	1940295674

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70336_29351676	NC_021163.1	Ca_kabuli_chr04	29351676	CC	AA	1940295677
SNP_P1_70337_29351728	NC_021163.1	Ca_kabuli_chr04	29351728	AA	GG	1940295679
SNP_P1_70338_29351729	NC_021163.1	Ca_kabuli_chr04	29351729	GG	AA	1940295680
SNP_P1_70340_29356158	NC_021163.1	Ca_kabuli_chr04	29356158	TT	CC	1940295682
SNP_P1_70342_29356238	NC_021163.1	Ca_kabuli_chr04	29356238	GG	AA	1940295683
SNP_P1_70345_29357366	NC_021163.1	Ca_kabuli_chr04	29357366	TT	AA	1940295685
SNP_P1_70346_29357620	NC_021163.1	Ca_kabuli_chr04	29357620	CC	AA	1940295687
SNP_P1_70347_29357798	NC_021163.1	Ca_kabuli_chr04	29357798	AA	CC	1940295689
SNP_P1_70348_29359252	NC_021163.1	Ca_kabuli_chr04	29359252	TT	AA	1940295690
SNP_P1_70349_29360386	NC_021163.1	Ca_kabuli_chr04	29360386	AA	CC	1940295692
SNP_P1_70352_29361422	NC_021163.1	Ca_kabuli_chr04	29361422	TT	CC	1940295694
SNP_P1_70354_29361940	NC_021163.1	Ca_kabuli_chr04	29361940	CC	TT	1940295695
SNP_P1_70356_29363604	NC_021163.1	Ca_kabuli_chr04	29363604	GG	AA	1940295697
SNP_P1_70357_29363610	NC_021163.1	Ca_kabuli_chr04	29363610	GG	AA	1940295699
SNP_P1_70358_29363615	NC_021163.1	Ca_kabuli_chr04	29363615	GG	AA	1940295700
SNP_P1_70359_29364029	NC_021163.1	Ca_kabuli_chr04	29364029	AA	CC	1940295702
SNP_P1_70361_29365232	NC_021163.1	Ca_kabuli_chr04	29365232	AA	TT	1940295703
SNP_P1_70363_29366114	NC_021163.1	Ca_kabuli_chr04	29366114	GG	AA	1940295705
SNP_P1_70364_29367119	NC_021163.1	Ca_kabuli_chr04	29367119	AA	GG	1940295707
SNP_P1_70365_29367439	NC_021163.1	Ca_kabuli_chr04	29367439	AA	CC	1940295708
SNP_P1_70366_29367542	NC_021163.1	Ca_kabuli_chr04	29367542	TT	CC	1940295710
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SNP_P1_70373_29368779	NC_021163.1	Ca_kabuli_chr04	29368779	CC	TT	1940295715
SNP_P1_70374_29368792	NC_021163.1	Ca_kabuli_chr04	29368792	GG	AA	1940295717
SNP_P1_70375_29368822	NC_021163.1	Ca_kabuli_chr04	29368822	CC	TT	1940295719
SNP_P1_70376_29369054	NC_021163.1	Ca_kabuli_chr04	29369054	AA	GG	1940295720
SNP_P1_70377_29369888	NC_021163.1	Ca_kabuli_chr04	29369888	CC	TT	1940295722
SNP_P1_70378_29370749	NC_021163.1	Ca_kabuli_chr04	29370749	TT	AA	1940295724
SNP_P1_70379_29372540	NC_021163.1	Ca_kabuli_chr04	29372540	CC	TT	1940295726
SNP_P1_70381_29381248	NC_021163.1	Ca_kabuli_chr04	29381248	GG	AA	1940295728
SNP_P1_70382_29382490	NC_021163.1	Ca_kabuli_chr04	29382490	CC	TT	1940295729
SNP_P1_70383_29386184	NC_021163.1	Ca_kabuli_chr04	29386184	CC	TT	1940295731
SNP_P1_70384_29386325	NC_021163.1	Ca_kabuli_chr04	29386325	GG	TT	1940295733
SNP_P1_70385_29386920	NC_021163.1	Ca_kabuli_chr04	29386920	CC	AA	1940295735
SNP_P1_70386_29387294	NC_021163.1	Ca_kabuli_chr04	29387294	AA	GG	1940295737
SNP_P1_70388_29391474	NC_021163.1	Ca_kabuli_chr04	29391474	TT	GG	1940295739
SNP_P1_70389_29391813	NC_021163.1	Ca_kabuli_chr04	29391813	CC	TT	1940295740
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SNP_P1_70392_29397283	NC_021163.1	Ca_kabuli_chr04	29397283	TT	GG	1940295744
SNP_P1_70393_29400754	NC_021163.1	Ca_kabuli_chr04	29400754	GG	AA	1940295746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70399_29415669	NC_021163.1	Ca_kabuli_chr04	29415669	GG	AA	1940295753
SNP_P1_70400_29415819	NC_021163.1	Ca_kabuli_chr04	29415819	CC	GG	1940295754
SNP_P1_70401_29415834	NC_021163.1	Ca_kabuli_chr04	29415834	GG	AA	1940295756
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SNP_P1_70403_29416192	NC_021163.1	Ca_kabuli_chr04	29416192	AA	TT	1940295759
SNP_P1_70404_29416283	NC_021163.1	Ca_kabuli_chr04	29416283	GG	CC	1940295761
SNP_P1_70405_29416290	NC_021163.1	Ca_kabuli_chr04	29416290	AA	CC	1940295763
SNP_P1_70406_29416390	NC_021163.1	Ca_kabuli_chr04	29416390	AA	GG	1940295765
SNP_P1_70407_29416419	NC_021163.1	Ca_kabuli_chr04	29416419	AA	CC	1940295767
SNP_P1_70408_29416428	NC_021163.1	Ca_kabuli_chr04	29416428	CC	TT	1940295768
SNP_P1_70409_29416442	NC_021163.1	Ca_kabuli_chr04	29416442	TT	CC	1940295770
SNP_P1_70410_29416444	NC_021163.1	Ca_kabuli_chr04	29416444	GG	AA	1940295772
SNP_P1_70412_29416665	NC_021163.1	Ca_kabuli_chr04	29416665	TT	CC	1940295773
SNP_P1_70413_29416683	NC_021163.1	Ca_kabuli_chr04	29416683	GG	AA	1940295775
SNP_P1_70414_29416735	NC_021163.1	Ca_kabuli_chr04	29416735	TT	CC	1940295777
SNP_P1_70415_29416901	NC_021163.1	Ca_kabuli_chr04	29416901	AA	GG	1940295779
SNP_P1_70416_29417084	NC_021163.1	Ca_kabuli_chr04	29417084	GG	AA	1940295781
SNP_P1_70418_29418241	NC_021163.1	Ca_kabuli_chr04	29418241	TT	GG	1940295782
SNP_P1_70420_29419313	NC_021163.1	Ca_kabuli_chr04	29419313	CC	GG	1940295784
SNP_P1_70421_29419551	NC_021163.1	Ca_kabuli_chr04	29419551	GG	AA	1940295785
SNP_P1_70423_29419929	NC_021163.1	Ca_kabuli_chr04	29419929	GG	AA	1940295787
SNP_P1_70424_29419933	NC_021163.1	Ca_kabuli_chr04	29419933	TT	CC	1940295789
SNP_P1_70425_29419964	NC_021163.1	Ca_kabuli_chr04	29419964	AA	TT	1940295791
SNP_P1_70426_29420039	NC_021163.1	Ca_kabuli_chr04	29420039	CC	GG	1940295793
SNP_P1_70427_29420050	NC_021163.1	Ca_kabuli_chr04	29420050	AA	TT	1940295794
SNP_P1_70428_29420108	NC_021163.1	Ca_kabuli_chr04	29420108	GG	TT	1940295796
SNP_P1_70430_29420203	NC_021163.1	Ca_kabuli_chr04	29420203	CC	TT	1940295798
SNP_P1_70432_29420231	NC_021163.1	Ca_kabuli_chr04	29420231	AA	GG	1940295799
SNP_P1_70433_29420332	NC_021163.1	Ca_kabuli_chr04	29420332	GG	CC	1940295801
SNP_P1_70434_29420549	NC_021163.1	Ca_kabuli_chr04	29420549	TT	GG	1940295803
SNP_P1_70435_29420673	NC_021163.1	Ca_kabuli_chr04	29420673	TT	AA	1940295809
SNP_P1_70436_29420674	NC_021163.1	Ca_kabuli_chr04	29420674	TT	AA	1940295811
SNP_P1_70438_29420891	NC_021163.1	Ca_kabuli_chr04	29420891	AA	CC	1940295812
SNP_P1_70439_29420898	NC_021163.1	Ca_kabuli_chr04	29420898	AA	GG	1940295814
SNP_P1_70440_29420935	NC_021163.1	Ca_kabuli_chr04	29420935	AA	GG	1940295815
SNP_P1_70441_29420973	NC_021163.1	Ca_kabuli_chr04	29420973	GG	AA	1940295817
SNP_P1_70442_29420986	NC_021163.1	Ca_kabuli_chr04	29420986	AA	CC	1940295819
SNP_P1_70443_29421082	NC_021163.1	Ca_kabuli_chr04	29421082	TT	CC	1940295821
SNP_P1_70445_29421172	NC_021163.1	Ca_kabuli_chr04	29421172	AA	TT	1940295822

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70447_29421558	NC_021163.1	Ca_kabuli_chr04	29421558	AA	GG	1940295825
SNP_P1_70449_29423498	NC_021163.1	Ca_kabuli_chr04	29423498	AA	GG	1940295827
SNP_P1_70450_29423554	NC_021163.1	Ca_kabuli_chr04	29423554	TT	CC	1940295829
SNP_P1_70451_29423618	NC_021163.1	Ca_kabuli_chr04	29423618	GG	AA	1940295830
SNP_P1_70452_29426287	NC_021163.1	Ca_kabuli_chr04	29426287	TT	AA	1940295832
SNP_P1_70456_29427838	NC_021163.1	Ca_kabuli_chr04	29427838	CC	AA	1940295834
SNP_P1_70457_29429036	NC_021163.1	Ca_kabuli_chr04	29429036	CC	TT	1940295835
SNP_P1_70458_29429672	NC_021163.1	Ca_kabuli_chr04	29429672	AA	GG	1940295837
SNP_P1_70460_29432270	NC_021163.1	Ca_kabuli_chr04	29432270	CC	TT	1940295839
SNP_P1_70461_29433159	NC_021163.1	Ca_kabuli_chr04	29433159	AA	GG	1940295840
SNP_P1_70462_29433360	NC_021163.1	Ca_kabuli_chr04	29433360	AA	GG	1940295842
SNP_P1_70463_29434039	NC_021163.1	Ca_kabuli_chr04	29434039	TT	CC	1940295844
SNP_P1_70464_29435426	NC_021163.1	Ca_kabuli_chr04	29435426	TT	AA	1940295845
SNP_P1_70466_29436656	NC_021163.1	Ca_kabuli_chr04	29436656	TT	AA	1940295847
SNP_P1_70467_29437685	NC_021163.1	Ca_kabuli_chr04	29437685	CC	TT	1940295849
SNP_P1_70468_29438874	NC_021163.1	Ca_kabuli_chr04	29438874	TT	CC	1940295850
SNP_P1_70469_29438876	NC_021163.1	Ca_kabuli_chr04	29438876	GG	TT	1940295852
SNP_P1_70470_29441675	NC_021163.1	Ca_kabuli_chr04	29441675	CC	TT	1940295854
SNP_P1_70473_29443994	NC_021163.1	Ca_kabuli_chr04	29443994	GG	TT	1940295855
SNP_P1_70474_29444223	NC_021163.1	Ca_kabuli_chr04	29444223	AA	GG	1940295857
SNP_P1_70475_29444655	NC_021163.1	Ca_kabuli_chr04	29444655	TT	CC	1940295859
SNP_P1_70476_29445125	NC_021163.1	Ca_kabuli_chr04	29445125	TT	CC	1940295860
SNP_P1_70477_29446414	NC_021163.1	Ca_kabuli_chr04	29446414	CC	TT	1940295862
SNP_P1_70478_29447793	NC_021163.1	Ca_kabuli_chr04	29447793	GG	AA	1940295864
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SNP_P1_70482_29453144	NC_021163.1	Ca_kabuli_chr04	29453144	TT	CC	1940295870
SNP_P1_70483_29453145	NC_021163.1	Ca_kabuli_chr04	29453145	GG	AA	1940295872
SNP_P1_70484_29453180	NC_021163.1	Ca_kabuli_chr04	29453180	TT	CC	1940295873
SNP_P1_70485_29453208	NC_021163.1	Ca_kabuli_chr04	29453208	GG	AA	1940295875
SNP_P1_70486_29455652	NC_021163.1	Ca_kabuli_chr04	29455652	AA	CC	1940295877
SNP_P1_70487_29456685	NC_021163.1	Ca_kabuli_chr04	29456685	CC	TT	1940295878
SNP_P1_70488_29461084	NC_021163.1	Ca_kabuli_chr04	29461084	CC	TT	1940295880
SNP_P1_70490_29466866	NC_021163.1	Ca_kabuli_chr04	29466866	TT	CC	1940295882
SNP_P1_70491_29466868	NC_021163.1	Ca_kabuli_chr04	29466868	CC	TT	1940295883
SNP_P1_70492_29466893	NC_021163.1	Ca_kabuli_chr04	29466893	CC	TT	1940295885
SNP_P1_70493_29469807	NC_021163.1	Ca_kabuli_chr04	29469807	GG	AA	1940295887
SNP_P1_70494_29471020	NC_021163.1	Ca_kabuli_chr04	29471020	TT	CC	1940295888
SNP_P1_70495_29471309	NC_021163.1	Ca_kabuli_chr04	29471309	AA	TT	1940295890
SNP_P1_70496_29472301	NC_021163.1	Ca_kabuli_chr04	29472301	TT	CC	1940295892

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70498_29475085	NC_021163.1	Ca_kabuli_chr04	29475085	CC	TT	1940295895
SNP_P1_70499_29477954	NC_021163.1	Ca_kabuli_chr04	29477954	GG	AA	1940295897
SNP_P1_70500_29479407	NC_021163.1	Ca_kabuli_chr04	29479407	TT	CC	1940295898
SNP_P1_70501_29479550	NC_021163.1	Ca_kabuli_chr04	29479550	AA	TT	1940295900
SNP_P1_70502_29479703	NC_021163.1	Ca_kabuli_chr04	29479703	CC	TT	1940295902
SNP_P1_70503_29479712	NC_021163.1	Ca_kabuli_chr04	29479712	CC	TT	1940295903
SNP_P1_70504_29480006	NC_021163.1	Ca_kabuli_chr04	29480006	GG	AA	1940295906
SNP_P1_70506_29480418	NC_021163.1	Ca_kabuli_chr04	29480418	AA	GG	1940295907
SNP_P1_70507_29480645	NC_021163.1	Ca_kabuli_chr04	29480645	TT	GG	1940295909
SNP_P1_70508_29481187	NC_021163.1	Ca_kabuli_chr04	29481187	AA	CC	1940295910
SNP_P1_70509_29482750	NC_021163.1	Ca_kabuli_chr04	29482750	TT	CC	1940295912
SNP_P1_70510_29483102	NC_021163.1	Ca_kabuli_chr04	29483102	AA	TT	1940295914
SNP_P1_70511_29483186	NC_021163.1	Ca_kabuli_chr04	29483186	CC	TT	1940295915
SNP_P1_70512_29490702	NC_021163.1	Ca_kabuli_chr04	29490702	TT	GG	1940295917
SNP_P1_70513_29490800	NC_021163.1	Ca_kabuli_chr04	29490800	TT	AA	1940295919
SNP_P1_70514_29490826	NC_021163.1	Ca_kabuli_chr04	29490826	GG	AA	1940295920
SNP_P1_70515_29490839	NC_021163.1	Ca_kabuli_chr04	29490839	AA	GG	1940295922
SNP_P1_70516_29490857	NC_021163.1	Ca_kabuli_chr04	29490857	AA	GG	1940295924
SNP_P1_70517_29491024	NC_021163.1	Ca_kabuli_chr04	29491024	TT	GG	1940295925
SNP_P1_70518_29491031	NC_021163.1	Ca_kabuli_chr04	29491031	CC	TT	1940295927
SNP_P1_70519_29491130	NC_021163.1	Ca_kabuli_chr04	29491130	CC	TT	1940295929
SNP_P1_70520_29492773	NC_021163.1	Ca_kabuli_chr04	29492773	TT	CC	1940295930
SNP_P1_70521_29495435	NC_021163.1	Ca_kabuli_chr04	29495435	AA	GG	1940295932
SNP_P1_70522_29495595	NC_021163.1	Ca_kabuli_chr04	29495595	TT	CC	1940295934
SNP_P1_70524_29499002	NC_021163.1	Ca_kabuli_chr04	29499002	GG	CC	1940295935
SNP_P1_70525_29499912	NC_021163.1	Ca_kabuli_chr04	29499912	GG	AA	1940295937
SNP_P1_70526_29501252	NC_021163.1	Ca_kabuli_chr04	29501252	AA	GG	1940295938
SNP_P1_70527_29501321	NC_021163.1	Ca_kabuli_chr04	29501321	TT	CC	1940295940
SNP_P1_70528_29501340	NC_021163.1	Ca_kabuli_chr04	29501340	GG	AA	1940295942
SNP_P1_70529_29501515	NC_021163.1	Ca_kabuli_chr04	29501515	GG	AA	1940295943
SNP_P1_70531_29503551	NC_021163.1	Ca_kabuli_chr04	29503551	CC	TT	1940295945
SNP_P1_70532_29508005	NC_021163.1	Ca_kabuli_chr04	29508005	GG	AA	1940295947
SNP_P1_70533_29509576	NC_021163.1	Ca_kabuli_chr04	29509576	AA	TT	1940295948
SNP_P1_70535_29510178	NC_021163.1	Ca_kabuli_chr04	29510178	AA	GG	1940295950
SNP_P1_70538_29517121	NC_021163.1	Ca_kabuli_chr04	29517121	AA	CC	1940295952
SNP_P1_70539_29519227	NC_021163.1	Ca_kabuli_chr04	29519227	AA	GG	1940295953
SNP_P1_70540_29519247	NC_021163.1	Ca_kabuli_chr04	29519247	TT	CC	1940295955
SNP_P1_70541_29519496	NC_021163.1	Ca_kabuli_chr04	29519496	AA	GG	1940295957
SNP_P1_70542_29519516	NC_021163.1	Ca_kabuli_chr04	29519516	CC	TT	1940295958
SNP_P1_70544_29520652	NC_021163.1	Ca_kabuli_chr04	29520652	GG	TT	1940295960
SNP_P1_70545_29521744	NC_021163.1	Ca_kabuli_chr04	29521744	GG	AA	1940295962

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70549_29531263	NC_021163.1	Ca_kabuli_chr04	29531263	TT	CC	1940295966
SNP_P1_70551_29534163	NC_021163.1	Ca_kabuli_chr04	29534163	CC	TT	1940295968
SNP_P1_70552_29534241	NC_021163.1	Ca_kabuli_chr04	29534241	GG	AA	1940295970
SNP_P1_70554_29535122	NC_021163.1	Ca_kabuli_chr04	29535122	CC	AA	1940295971
SNP_P1_70555_29535989	NC_021163.1	Ca_kabuli_chr04	29535989	AA	GG	1940295973
SNP_P1_70556_29539268	NC_021163.1	Ca_kabuli_chr04	29539268	CC	AA	1940295975
SNP_P1_70557_29542190	NC_021163.1	Ca_kabuli_chr04	29542190	AA	GG	1940295977
SNP_P1_70558_29543716	NC_021163.1	Ca_kabuli_chr04	29543716	CC	AA	1940295979
SNP_P1_70561_29547339	NC_021163.1	Ca_kabuli_chr04	29547339	AA	CC	1940295980
SNP_P1_70563_29547453	NC_021163.1	Ca_kabuli_chr04	29547453	CC	GG	1940295982
SNP_P1_70564_29550603	NC_021163.1	Ca_kabuli_chr04	29550603	AA	GG	1940295984
SNP_P1_70565_29551996	NC_021163.1	Ca_kabuli_chr04	29551996	GG	AA	1940295985
SNP_P1_70566_29553373	NC_021163.1	Ca_kabuli_chr04	29553373	TT	CC	1940295987
SNP_P1_70567_29554127	NC_021163.1	Ca_kabuli_chr04	29554127	TT	CC	1940295989
SNP_P1_70568_29558632	NC_021163.1	Ca_kabuli_chr04	29558632	CC	TT	1940295990
SNP_P1_70569_29559176	NC_021163.1	Ca_kabuli_chr04	29559176	AA	GG	1940295992
SNP_P1_70570_29559430	NC_021163.1	Ca_kabuli_chr04	29559430	TT	CC	1940295994
SNP_P1_70572_29564341	NC_021163.1	Ca_kabuli_chr04	29564341	GG	CC	1940295995
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SNP_P1_70574_29564541	NC_021163.1	Ca_kabuli_chr04	29564541	CC	TT	1940295999
SNP_P1_70575_29564590	NC_021163.1	Ca_kabuli_chr04	29564590	CC	TT	1940296000
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SNP_P1_70583_29569967	NC_021163.1	Ca_kabuli_chr04	29569967	TT	GG	1940296010
SNP_P1_70585_29570480	NC_021163.1	Ca_kabuli_chr04	29570480	AA	GG	1940296012
SNP_P1_70586_29571385	NC_021163.1	Ca_kabuli_chr04	29571385	GG	AA	1940296013
SNP_P1_70587_29571466	NC_021163.1	Ca_kabuli_chr04	29571466	TT	AA	1940296015
SNP_P1_70588_29575141	NC_021163.1	Ca_kabuli_chr04	29575141	TT	AA	1940296017
SNP_P1_70589_29575365	NC_021163.1	Ca_kabuli_chr04	29575365	AA	CC	1940296018
SNP_P1_70590_29575416	NC_021163.1	Ca_kabuli_chr04	29575416	GG	TT	1940296020
SNP_P1_70591_29575420	NC_021163.1	Ca_kabuli_chr04	29575420	AA	TT	1940296022
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SNP_P1_70593_29579808	NC_021163.1	Ca_kabuli_chr04	29579808	CC	TT	1940296025
SNP_P1_70594_29579935	NC_021163.1	Ca_kabuli_chr04	29579935	CC	TT	1940296027
SNP_P1_70595_29579958	NC_021163.1	Ca_kabuli_chr04	29579958	GG	AA	1940296028
SNP_P1_70596_29579970	NC_021163.1	Ca_kabuli_chr04	29579970	CC	TT	1940296030
SNP_P1_70597_29581022	NC_021163.1	Ca_kabuli_chr04	29581022	CC	TT	1940296032

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70600_29581116	NC_021163.1	Ca_kabuli_chr04	29581116	TT	CC	1940296036
SNP_P1_70601_29581168	NC_021163.1	Ca_kabuli_chr04	29581168	AA	GG	1940296038
SNP_P1_70602_29581193	NC_021163.1	Ca_kabuli_chr04	29581193	GG	AA	1940296040
SNP_P1_70604_29582524	NC_021163.1	Ca_kabuli_chr04	29582524	CC	GG	1940296041
SNP_P1_70605_29584417	NC_021163.1	Ca_kabuli_chr04	29584417	TT	CC	1940296043
SNP_P1_70606_29585047	NC_021163.1	Ca_kabuli_chr04	29585047	GG	AA	1940296045
SNP_P1_70607_29585926	NC_021163.1	Ca_kabuli_chr04	29585926	AA	GG	1940296046
SNP_P1_70608_29587722	NC_021163.1	Ca_kabuli_chr04	29587722	AA	GG	1940296048
SNP_P1_70609_29588941	NC_021163.1	Ca_kabuli_chr04	29588941	AA	GG	1940296050
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SNP_P1_70611_29593758	NC_021163.1	Ca_kabuli_chr04	29593758	CC	TT	1940296053
SNP_P1_70612_29593914	NC_021163.1	Ca_kabuli_chr04	29593914	AA	GG	1940296055
SNP_P1_70614_29599896	NC_021163.1	Ca_kabuli_chr04	29599896	CC	AA	1940296057
SNP_P1_70615_29602477	NC_021163.1	Ca_kabuli_chr04	29602477	CC	TT	1940296058
SNP_P1_70616_29602643	NC_021163.1	Ca_kabuli_chr04	29602643	AA	TT	1940296060
SNP_P1_70617_29602773	NC_021163.1	Ca_kabuli_chr04	29602773	GG	AA	1940296062
SNP_P1_70618_29602919	NC_021163.1	Ca_kabuli_chr04	29602919	GG	AA	1940296063
SNP_P1_70619_29602975	NC_021163.1	Ca_kabuli_chr04	29602975	AA	GG	1940296065
SNP_P1_70620_29602989	NC_021163.1	Ca_kabuli_chr04	29602989	TT	AA	1940296067
SNP_P1_70621_29603295	NC_021163.1	Ca_kabuli_chr04	29603295	AA	TT	1940296068
SNP_P1_70622_29603299	NC_021163.1	Ca_kabuli_chr04	29603299	AA	CC	1940296070
SNP_P1_70623_29603619	NC_021163.1	Ca_kabuli_chr04	29603619	TT	CC	1940296072
SNP_P1_70624_29603629	NC_021163.1	Ca_kabuli_chr04	29603629	GG	AA	1940296074
SNP_P1_70625_29604814	NC_021163.1	Ca_kabuli_chr04	29604814	CC	TT	1940296075
SNP_P1_70626_29604995	NC_021163.1	Ca_kabuli_chr04	29604995	CC	TT	1940296077
SNP_P1_70627_29605088	NC_021163.1	Ca_kabuli_chr04	29605088	TT	CC	1940296079
SNP_P1_70628_29605107	NC_021163.1	Ca_kabuli_chr04	29605107	CC	TT	1940296080
SNP_P1_70629_29605142	NC_021163.1	Ca_kabuli_chr04	29605142	CC	TT	1940296082
SNP_P1_70630_29605315	NC_021163.1	Ca_kabuli_chr04	29605315	AA	GG	1940296084
SNP_P1_70631_29605327	NC_021163.1	Ca_kabuli_chr04	29605327	AA	GG	1940296085
SNP_P1_70632_29605527	NC_021163.1	Ca_kabuli_chr04	29605527	TT	CC	1940296087
SNP_P1_70633_29605649	NC_021163.1	Ca_kabuli_chr04	29605649	TT	CC	1940296089
SNP_P1_70634_29605677	NC_021163.1	Ca_kabuli_chr04	29605677	GG	AA	1940296090
SNP_P1_70636_29605892	NC_021163.1	Ca_kabuli_chr04	29605892	CC	TT	1940296092
SNP_P1_70637_29606023	NC_021163.1	Ca_kabuli_chr04	29606023	AA	CC	1940296094
SNP_P1_70638_29616161	NC_021163.1	Ca_kabuli_chr04	29616161	GG	AA	1940296095
SNP_P1_70639_29616196	NC_021163.1	Ca_kabuli_chr04	29616196	AA	CC	1940296097
SNP_P1_70640_29616383	NC_021163.1	Ca_kabuli_chr04	29616383	GG	CC	1940296099
SNP_P1_70641_29618097	NC_021163.1	Ca_kabuli_chr04	29618097	CC	TT	1940296100
SNP_P1_70643_29618577	NC_021163.1	Ca_kabuli_chr04	29618577	TT	GG	1940296102

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_70644_29618654	NC_021163.1	Ca_kabuli_chr04	29618654	AA	GG	1940296104
SNP_P1_70645_29618692	NC_021163.1	Ca_kabuli_chr04	29618692	AA	GG	1940296105
SNP_P1_70647_29618965	NC_021163.1	Ca_kabuli_chr04	29618965	CC	TT	1940296107
SNP_P1_70648_29618974	NC_021163.1	Ca_kabuli_chr04	29618974	TT	GG	1940296109
SNP_P1_70649_29618975	NC_021163.1	Ca_kabuli_chr04	29618975	CC	TT	1940296110
SNP_P1_70650_29619069	NC_021163.1	Ca_kabuli_chr04	29619069	CC	AA	1940296112
SNP_P1_70651_29619130	NC_021163.1	Ca_kabuli_chr04	29619130	GG	AA	1940296114
SNP_P1_70653_29619239	NC_021163.1	Ca_kabuli_chr04	29619239	TT	CC	1940296115
SNP_P1_70654_29619252	NC_021163.1	Ca_kabuli_chr04	29619252	CC	TT	1940296117
SNP_P1_70655_29620624	NC_021163.1	Ca_kabuli_chr04	29620624	CC	TT	1940296119
SNP_P1_70656_29621329	NC_021163.1	Ca_kabuli_chr04	29621329	AA	CC	1940296120
SNP_P1_70657_29622342	NC_021163.1	Ca_kabuli_chr04	29622342	GG	AA	1940296122
SNP_P1_70659_29622881	NC_021163.1	Ca_kabuli_chr04	29622881	AA	CC	1940296123
SNP_P1_70660_29623584	NC_021163.1	Ca_kabuli_chr04	29623584	GG	TT	1940296125
SNP_P1_70661_29623656	NC_021163.1	Ca_kabuli_chr04	29623656	TT	CC	1940296127
SNP_P1_70662_29623658	NC_021163.1	Ca_kabuli_chr04	29623658	CC	TT	1940296128
SNP_P1_70663_29624267	NC_021163.1	Ca_kabuli_chr04	29624267	GG	AA	1940296130
SNP_P1_70665_29624529	NC_021163.1	Ca_kabuli_chr04	29624529	GG	TT	1940296132
SNP_P1_70666_29625418	NC_021163.1	Ca_kabuli_chr04	29625418	AA	CC	1940296133
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SNP_P1_70668_29625641	NC_021163.1	Ca_kabuli_chr04	29625641	TT	GG	1940296137
SNP_P1_70670_29626535	NC_021163.1	Ca_kabuli_chr04	29626535	GG	CC	1940296138
SNP_P1_70671_29626567	NC_021163.1	Ca_kabuli_chr04	29626567	AA	TT	1940296140
SNP_P1_70672_29626592	NC_021163.1	Ca_kabuli_chr04	29626592	GG	AA	1940296142
SNP_P1_70673_29626630	NC_021163.1	Ca_kabuli_chr04	29626630	TT	GG	1940296143
SNP_P1_70674_29626802	NC_021163.1	Ca_kabuli_chr04	29626802	GG	AA	1940296145
SNP_P1_70676_29626848	NC_021163.1	Ca_kabuli_chr04	29626848	AA	TT	1940296146
SNP_P1_70677_29627840	NC_021163.1	Ca_kabuli_chr04	29627840	AA	TT	1940296148
SNP_P1_70679_29628443	NC_021163.1	Ca_kabuli_chr04	29628443	GG	CC	1940296150
SNP_P1_70680_29635717	NC_021163.1	Ca_kabuli_chr04	29635717	AA	GG	1940296151
SNP_P1_70681_29635812	NC_021163.1	Ca_kabuli_chr04	29635812	TT	CC	1940296153
SNP_P1_70682_29635853	NC_021163.1	Ca_kabuli_chr04	29635853	TT	CC	1940296155
SNP_P1_70683_29635886	NC_021163.1	Ca_kabuli_chr04	29635886	CC	TT	1940296156
SNP_P1_70684_29636271	NC_021163.1	Ca_kabuli_chr04	29636271	GG	AA	1940296158
SNP_P1_70685_29636418	NC_021163.1	Ca_kabuli_chr04	29636418	TT	AA	1940296160
SNP_P1_70686_29636550	NC_021163.1	Ca_kabuli_chr04	29636550	TT	CC	1940296161
SNP_P1_70687_29636575	NC_021163.1	Ca_kabuli_chr04	29636575	CC	AA	1940296163
SNP_P1_70688_29637073	NC_021163.1	Ca_kabuli_chr04	29637073	GG	AA	1940296165
SNP_P1_70689_29637096	NC_021163.1	Ca_kabuli_chr04	29637096	TT	AA	1940296166
SNP_P1_70690_29639234	NC_021163.1	Ca_kabuli_chr04	29639234	GG	AA	1940296168
SNP_P1_70691_29640033	NC_021163.1	Ca_kabuli_chr04	29640033	CC	AA	1940296170
SNP_P1_70693_29640388	NC_021163.1	Ca_kabuli_chr04	29640388	GG	AA	1940296171

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70695_29641062	NC_021163.1	Ca_kabuli_chr04	29641062	AA	TT	1940296174
SNP_P1_70696_29641350	NC_021163.1	Ca_kabuli_chr04	29641350	GG	AA	1940296176
SNP_P1_70697_29641376	NC_021163.1	Ca_kabuli_chr04	29641376	AA	CC	1940296178
SNP_P1_70698_29641472	NC_021163.1	Ca_kabuli_chr04	29641472	TT	CC	1940296180
SNP_P1_70699_29643172	NC_021163.1	Ca_kabuli_chr04	29643172	TT	CC	1940296181
SNP_P1_70700_29643792	NC_021163.1	Ca_kabuli_chr04	29643792	AA	GG	1940296183
SNP_P1_70701_29643835	NC_021163.1	Ca_kabuli_chr04	29643835	GG	AA	1940296185
SNP_P1_70702_29644066	NC_021163.1	Ca_kabuli_chr04	29644066	CC	TT	1940296186
SNP_P1_70703_29645945	NC_021163.1	Ca_kabuli_chr04	29645945	GG	TT	1940296188
SNP_P1_70704_29646166	NC_021163.1	Ca_kabuli_chr04	29646166	AA	GG	1940296190
SNP_P1_70705_29646273	NC_021163.1	Ca_kabuli_chr04	29646273	TT	GG	1940296191
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SNP_P1_70707_29646940	NC_021163.1	Ca_kabuli_chr04	29646940	AA	GG	1940296194
SNP_P1_70708_29646966	NC_021163.1	Ca_kabuli_chr04	29646966	GG	AA	1940296196
SNP_P1_70711_29647409	NC_021163.1	Ca_kabuli_chr04	29647409	CC	TT	1940296198
SNP_P1_70712_29647432	NC_021163.1	Ca_kabuli_chr04	29647432	AA	GG	1940296199
SNP_P1_70713_29647558	NC_021163.1	Ca_kabuli_chr04	29647558	TT	CC	1940296201
SNP_P1_70714_29647827	NC_021163.1	Ca_kabuli_chr04	29647827	CC	TT	1940296203
SNP_P1_70715_29647835	NC_021163.1	Ca_kabuli_chr04	29647835	GG	AA	1940296204
SNP_P1_70716_29647884	NC_021163.1	Ca_kabuli_chr04	29647884	TT	AA	1940296206
SNP_P1_70717_29647898	NC_021163.1	Ca_kabuli_chr04	29647898	TT	CC	1940296208
SNP_P1_70719_29648041	NC_021163.1	Ca_kabuli_chr04	29648041	CC	TT	1940296210
SNP_P1_70720_29648175	NC_021163.1	Ca_kabuli_chr04	29648175	AA	GG	1940296211
SNP_P1_70721_29648237	NC_021163.1	Ca_kabuli_chr04	29648237	TT	CC	1940296213
SNP_P1_70722_29648259	NC_021163.1	Ca_kabuli_chr04	29648259	CC	TT	1940296215
SNP_P1_70724_29649618	NC_021163.1	Ca_kabuli_chr04	29649618	TT	CC	1940296216
SNP_P1_70725_29650014	NC_021163.1	Ca_kabuli_chr04	29650014	AA	GG	1940296218
SNP_P1_70727_29651029	NC_021163.1	Ca_kabuli_chr04	29651029	CC	AA	1940296220
SNP_P1_70728_29651263	NC_021163.1	Ca_kabuli_chr04	29651263	CC	TT	1940296221
SNP_P1_70729_29651308	NC_021163.1	Ca_kabuli_chr04	29651308	GG	AA	1940296223
SNP_P1_70730_29651319	NC_021163.1	Ca_kabuli_chr04	29651319	CC	AA	1940296225
SNP_P1_70731_29651711	NC_021163.1	Ca_kabuli_chr04	29651711	GG	AA	1940296226
SNP_P1_70732_29651760	NC_021163.1	Ca_kabuli_chr04	29651760	TT	CC	1940296228
SNP_P1_70733_29651767	NC_021163.1	Ca_kabuli_chr04	29651767	GG	AA	1940296229
SNP_P1_70734_29652293	NC_021163.1	Ca_kabuli_chr04	29652293	TT	CC	1940296231
SNP_P1_70735_29652595	NC_021163.1	Ca_kabuli_chr04	29652595	TT	CC	1940296233
SNP_P1_70736_29652615	NC_021163.1	Ca_kabuli_chr04	29652615	TT	AA	1940296234
SNP_P1_70737_29652838	NC_021163.1	Ca_kabuli_chr04	29652838	GG	AA	1940296236
SNP_P1_70738_29653075	NC_021163.1	Ca_kabuli_chr04	29653075	AA	CC	1940296238
SNP_P1_70739_29653155	NC_021163.1	Ca_kabuli_chr04	29653155	CC	TT	1940296239
SNP_P1_70740_29653640	NC_021163.1	Ca_kabuli_chr04	29653640	CC	AA	1940296241

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70742_29653813	NC_021163.1	Ca_kabuli_chr04	29653813	CC	TT	1940296244
SNP_P1_70744_29654837	NC_021163.1	Ca_kabuli_chr04	29654837	GG	AA	1940296246
SNP_P1_70745_29656422	NC_021163.1	Ca_kabuli_chr04	29656422	GG	AA	1940296248
SNP_P1_70746_29656463	NC_021163.1	Ca_kabuli_chr04	29656463	GG	AA	1940296249
SNP_P1_70747_29656765	NC_021163.1	Ca_kabuli_chr04	29656765	CC	TT	1940296251
SNP_P1_70749_29658976	NC_021163.1	Ca_kabuli_chr04	29658976	GG	AA	1940296253
SNP_P1_70750_29659255	NC_021163.1	Ca_kabuli_chr04	29659255	AA	GG	1940296254
SNP_P1_70751_29659258	NC_021163.1	Ca_kabuli_chr04	29659258	GG	AA	1940296256
SNP_P1_70752_29660576	NC_021163.1	Ca_kabuli_chr04	29660576	AA	GG	1940296258
SNP_P1_70753_29660754	NC_021163.1	Ca_kabuli_chr04	29660754	GG	AA	1940296259
SNP_P1_70754_29661885	NC_021163.1	Ca_kabuli_chr04	29661885	TT	GG	1940296261
SNP_P1_70755_29666765	NC_021163.1	Ca_kabuli_chr04	29666765	TT	GG	1940296263
SNP_P1_70756_29669593	NC_021163.1	Ca_kabuli_chr04	29669593	TT	CC	1940296264
SNP_P1_70757_29669594	NC_021163.1	Ca_kabuli_chr04	29669594	TT	AA	1940296266
SNP_P1_70758_29670010	NC_021163.1	Ca_kabuli_chr04	29670010	GG	AA	1940296268
SNP_P1_70759_29670135	NC_021163.1	Ca_kabuli_chr04	29670135	AA	GG	1940296269
SNP_P1_70760_29670589	NC_021163.1	Ca_kabuli_chr04	29670589	TT	CC	1940296271
SNP_P1_70761_29671363	NC_021163.1	Ca_kabuli_chr04	29671363	CC	TT	1940296272
SNP_P1_70762_29671417	NC_021163.1	Ca_kabuli_chr04	29671417	CC	AA	1940296274
SNP_P1_70763_29671497	NC_021163.1	Ca_kabuli_chr04	29671497	TT	CC	1940296276
SNP_P1_70764_29671662	NC_021163.1	Ca_kabuli_chr04	29671662	AA	GG	1940296277
SNP_P1_70765_29671750	NC_021163.1	Ca_kabuli_chr04	29671750	AA	GG	1940296279
SNP_P1_70766_29671990	NC_021163.1	Ca_kabuli_chr04	29671990	CC	TT	1940296281
SNP_P1_70767_29672181	NC_021163.1	Ca_kabuli_chr04	29672181	CC	TT	1940296282
SNP_P1_70768_29672190	NC_021163.1	Ca_kabuli_chr04	29672190	CC	TT	1940296284
SNP_P1_70769_29672200	NC_021163.1	Ca_kabuli_chr04	29672200	TT	CC	1940296286
SNP_P1_70770_29672380	NC_021163.1	Ca_kabuli_chr04	29672380	GG	AA	1940296287
SNP_P1_70771_29672381	NC_021163.1	Ca_kabuli_chr04	29672381	GG	AA	1940296289
SNP_P1_70772_29672623	NC_021163.1	Ca_kabuli_chr04	29672623	CC	AA	1940296291
SNP_P1_70773_29672628	NC_021163.1	Ca_kabuli_chr04	29672628	AA	CC	1940296292
SNP_P1_70774_29674884	NC_021163.1	Ca_kabuli_chr04	29674884	GG	AA	1940296294
SNP_P1_70775_29680412	NC_021163.1	Ca_kabuli_chr04	29680412	TT	CC	1940296296
SNP_P1_70776_29681011	NC_021163.1	Ca_kabuli_chr04	29681011	TT	CC	1940296297
SNP_P1_70777_29681367	NC_021163.1	Ca_kabuli_chr04	29681367	CC	TT	1940296299
SNP_P1_70778_29681471	NC_021163.1	Ca_kabuli_chr04	29681471	GG	CC	1940296301
SNP_P1_70780_29681723	NC_021163.1	Ca_kabuli_chr04	29681723	AA	GG	1940296302
SNP_P1_70781_29682090	NC_021163.1	Ca_kabuli_chr04	29682090	AA	GG	1940296304
SNP_P1_70782_29683718	NC_021163.1	Ca_kabuli_chr04	29683718	AA	TT	1940296305
SNP_P1_70783_29684633	NC_021163.1	Ca_kabuli_chr04	29684633	TT	CC	1940296307
SNP_P1_70785_29685256	NC_021163.1	Ca_kabuli_chr04	29685256	AA	GG	1940296309
SNP_P1_70786_29685286	NC_021163.1	Ca_kabuli_chr04	29685286	AA	GG	1940296310

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70788_29686207	NC_021163.1	Ca_kabuli_chr04	29686207	TT	CC	1940296314
SNP_P1_70789_29686665	NC_021163.1	Ca_kabuli_chr04	29686665	TT	CC	1940296315
SNP_P1_70790_29686848	NC_021163.1	Ca_kabuli_chr04	29686848	CC	AA	1940296317
SNP_P1_70791_29694995	NC_021163.1	Ca_kabuli_chr04	29694995	CC	GG	1940296319
SNP_P1_70792_29697839	NC_021163.1	Ca_kabuli_chr04	29697839	AA	GG	1940296320
SNP_P1_70794_29698570	NC_021163.1	Ca_kabuli_chr04	29698570	GG	AA	1940296322
SNP_P1_70795_29699392	NC_021163.1	Ca_kabuli_chr04	29699392	CC	TT	1940296324
SNP_P1_70796_29699803	NC_021163.1	Ca_kabuli_chr04	29699803	CC	TT	1940296325
SNP_P1_70800_29700654	NC_021163.1	Ca_kabuli_chr04	29700654	AA	GG	1940296327
SNP_P1_70801_29700681	NC_021163.1	Ca_kabuli_chr04	29700681	GG	AA	1940296329
SNP_P1_70802_29700893	NC_021163.1	Ca_kabuli_chr04	29700893	AA	TT	1940296331
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SNP_P1_70805_29701338	NC_021163.1	Ca_kabuli_chr04	29701338	TT	CC	1940296334
SNP_P1_70807_29702101	NC_021163.1	Ca_kabuli_chr04	29702101	TT	CC	1940296335
SNP_P1_70808_29702105	NC_021163.1	Ca_kabuli_chr04	29702105	GG	TT	1940296337
SNP_P1_70810_29702176	NC_021163.1	Ca_kabuli_chr04	29702176	TT	CC	1940296339
SNP_P1_70811_29702439	NC_021163.1	Ca_kabuli_chr04	29702439	AA	GG	1940296340
SNP_P1_70812_29702460	NC_021163.1	Ca_kabuli_chr04	29702460	CC	TT	1940296342
SNP_P1_70813_29703282	NC_021163.1	Ca_kabuli_chr04	29703282	TT	AA	1940296344
SNP_P1_70814_29703353	NC_021163.1	Ca_kabuli_chr04	29703353	TT	GG	1940296345
SNP_P1_70816_29703600	NC_021163.1	Ca_kabuli_chr04	29703600	AA	GG	1940296347
SNP_P1_70817_29703666	NC_021163.1	Ca_kabuli_chr04	29703666	GG	AA	1940296349
SNP_P1_70818_29704082	NC_021163.1	Ca_kabuli_chr04	29704082	AA	TT	1940296350
SNP_P1_70819_29704700	NC_021163.1	Ca_kabuli_chr04	29704700	CC	TT	1940296352
SNP_P1_70820_29711467	NC_021163.1	Ca_kabuli_chr04	29711467	AA	GG	1940296354
SNP_P1_70821_29714150	NC_021163.1	Ca_kabuli_chr04	29714150	CC	TT	1940296355
SNP_P1_70822_29714655	NC_021163.1	Ca_kabuli_chr04	29714655	CC	TT	1940296357
SNP_P1_70823_29715615	NC_021163.1	Ca_kabuli_chr04	29715615	TT	GG	1940296359
SNP_P1_70824_29715623	NC_021163.1	Ca_kabuli_chr04	29715623	GG	CC	1940296360
SNP_P1_70825_29715781	NC_021163.1	Ca_kabuli_chr04	29715781	CC	TT	1940296362
SNP_P1_70826_29716050	NC_021163.1	Ca_kabuli_chr04	29716050	TT	GG	1940296364
SNP_P1_70827_29716693	NC_021163.1	Ca_kabuli_chr04	29716693	TT	CC	1940296365
SNP_P1_70828_29716776	NC_021163.1	Ca_kabuli_chr04	29716776	TT	CC	1940296367
SNP_P1_70829_29717421	NC_021163.1	Ca_kabuli_chr04	29717421	TT	CC	1940296369
SNP_P1_70832_29718229	NC_021163.1	Ca_kabuli_chr04	29718229	CC	AA	1940296370
SNP_P1_70834_29719025	NC_021163.1	Ca_kabuli_chr04	29719025	AA	GG	1940296372
SNP_P1_70836_29722288	NC_021163.1	Ca_kabuli_chr04	29722288	AA	GG	1940296373
SNP_P1_70837_29722567	NC_021163.1	Ca_kabuli_chr04	29722567	AA	GG	1940296375
SNP_P1_70838_29722588	NC_021163.1	Ca_kabuli_chr04	29722588	AA	CC	1940296377
SNP_P1_70839_29722604	NC_021163.1	Ca_kabuli_chr04	29722604	CC	TT	1940296378
SNP_P1_70840_29722607	NC_021163.1	Ca_kabuli_chr04	29722607	TT	CC	1940296380

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70843_29722820	NC_021163.1	Ca_kabuli_chr04	29722820	GG	TT	1940296383
SNP_P1_70844_29722847	NC_021163.1	Ca_kabuli_chr04	29722847	TT	CC	1940296385
SNP_P1_70845_29722975	NC_021163.1	Ca_kabuli_chr04	29722975	AA	GG	1940296387
SNP_P1_70846_29723043	NC_021163.1	Ca_kabuli_chr04	29723043	CC	GG	1940296388
SNP_P1_70847_29723209	NC_021163.1	Ca_kabuli_chr04	29723209	CC	AA	1940296390
SNP_P1_70848_29747527	NC_021163.1	Ca_kabuli_chr04	29747527	CC	TT	1940296392
SNP_P1_70849_29747528	NC_021163.1	Ca_kabuli_chr04	29747528	AA	GG	1940296393
SNP_P1_70850_29747561	NC_021163.1	Ca_kabuli_chr04	29747561	TT	GG	1940296395
SNP_P1_70851_29747755	NC_021163.1	Ca_kabuli_chr04	29747755	CC	GG	1940296397
SNP_P1_70852_29747756	NC_021163.1	Ca_kabuli_chr04	29747756	CC	TT	1940296398
SNP_P1_70853_29747796	NC_021163.1	Ca_kabuli_chr04	29747796	GG	TT	1940296400
SNP_P1_70854_29747802	NC_021163.1	Ca_kabuli_chr04	29747802	AA	GG	1940296402
SNP_P1_70855_29762452	NC_021163.1	Ca_kabuli_chr04	29762452	AA	TT	1940296403
SNP_P1_70856_29762459	NC_021163.1	Ca_kabuli_chr04	29762459	TT	GG	1940296405
SNP_P1_70857_29762505	NC_021163.1	Ca_kabuli_chr04	29762505	CC	TT	1940296406
SNP_P1_70858_29762507	NC_021163.1	Ca_kabuli_chr04	29762507	GG	TT	1940296407
SNP_P1_70859_29762509	NC_021163.1	Ca_kabuli_chr04	29762509	TT	CC	1940296408
SNP_P1_70860_29762776	NC_021163.1	Ca_kabuli_chr04	29762776	GG	AA	1940296409
SNP_P1_70862_29768085	NC_021163.1	Ca_kabuli_chr04	29768085	TT	GG	1940296410
SNP_P1_70863_29768374	NC_021163.1	Ca_kabuli_chr04	29768374	TT	AA	1940296411
SNP_P1_70864_29768671	NC_021163.1	Ca_kabuli_chr04	29768671	CC	TT	1940296412
SNP_P1_70865_29769351	NC_021163.1	Ca_kabuli_chr04	29769351	AA	CC	1940296414
SNP_P1_70866_29769366	NC_021163.1	Ca_kabuli_chr04	29769366	AA	CC	1940296415
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SNP_P1_70868_29770176	NC_021163.1	Ca_kabuli_chr04	29770176	AA	GG	1940296419
SNP_P1_70869_29770370	NC_021163.1	Ca_kabuli_chr04	29770370	CC	TT	1940296420
SNP_P1_70870_29770412	NC_021163.1	Ca_kabuli_chr04	29770412	TT	AA	1940296422
SNP_P1_70871_29771216	NC_021163.1	Ca_kabuli_chr04	29771216	AA	GG	1940296424
SNP_P1_70872_29771364	NC_021163.1	Ca_kabuli_chr04	29771364	AA	CC	1940296426
SNP_P1_70873_29771602	NC_021163.1	Ca_kabuli_chr04	29771602	AA	CC	1940296427
SNP_P1_70874_29771810	NC_021163.1	Ca_kabuli_chr04	29771810	AA	TT	1940296429
SNP_P1_70875_29772608	NC_021163.1	Ca_kabuli_chr04	29772608	AA	GG	1940296431
SNP_P1_70876_29773016	NC_021163.1	Ca_kabuli_chr04	29773016	AA	TT	1940296433
SNP_P1_70879_29776665	NC_021163.1	Ca_kabuli_chr04	29776665	TT	GG	1940296434
SNP_P1_70882_29784257	NC_021163.1	Ca_kabuli_chr04	29784257	GG	AA	1940296436
SNP_P1_70883_29784488	NC_021163.1	Ca_kabuli_chr04	29784488	AA	CC	1940296438
SNP_P1_70884_29785188	NC_021163.1	Ca_kabuli_chr04	29785188	GG	AA	1940296439
SNP_P1_70885_29785249	NC_021163.1	Ca_kabuli_chr04	29785249	AA	GG	1940296441
SNP_P1_70886_29787901	NC_021163.1	Ca_kabuli_chr04	29787901	AA	GG	1940296443
SNP_P1_70887_29793433	NC_021163.1	Ca_kabuli_chr04	29793433	TT	CC	1940296444
SNP_P1_70888_29793681	NC_021163.1	Ca_kabuli_chr04	29793681	AA	GG	1940296446

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70891_29794119	NC_021163.1	Ca_kabuli_chr04	29794119	TT	AA	1940296449
SNP_P1_70892_29795574	NC_021163.1	Ca_kabuli_chr04	29795574	AA	TT	1940296452
SNP_P1_70893_29799797	NC_021163.1	Ca_kabuli_chr04	29799797	AA	GG	1940296453
SNP_P1_70894_29803660	NC_021163.1	Ca_kabuli_chr04	29803660	AA	CC	1940296455
SNP_P1_70895_29804526	NC_021163.1	Ca_kabuli_chr04	29804526	GG	TT	1940296456
SNP_P1_70897_29804788	NC_021163.1	Ca_kabuli_chr04	29804788	AA	CC	1940296458
SNP_P1_70898_29804806	NC_021163.1	Ca_kabuli_chr04	29804806	TT	AA	1940296460
SNP_P1_70899_29804835	NC_021163.1	Ca_kabuli_chr04	29804835	AA	GG	1940296461
SNP_P1_70900_29805092	NC_021163.1	Ca_kabuli_chr04	29805092	AA	TT	1940296463
SNP_P1_70901_29805128	NC_021163.1	Ca_kabuli_chr04	29805128	AA	GG	1940296465
SNP_P1_70902_29805169	NC_021163.1	Ca_kabuli_chr04	29805169	AA	GG	1940296466
SNP_P1_70903_29805204	NC_021163.1	Ca_kabuli_chr04	29805204	GG	AA	1940296468
SNP_P1_70904_29813220	NC_021163.1	Ca_kabuli_chr04	29813220	TT	AA	1940296470
SNP_P1_70905_29815115	NC_021163.1	Ca_kabuli_chr04	29815115	AA	GG	1940296471
SNP_P1_70907_29818190	NC_021163.1	Ca_kabuli_chr04	29818190	AA	GG	1940296473
SNP_P1_70908_29818481	NC_021163.1	Ca_kabuli_chr04	29818481	AA	GG	1940296475
SNP_P1_70909_29820145	NC_021163.1	Ca_kabuli_chr04	29820145	GG	TT	1940296476
SNP_P1_70910_29820253	NC_021163.1	Ca_kabuli_chr04	29820253	AA	GG	1940296478
SNP_P1_70911_29821599	NC_021163.1	Ca_kabuli_chr04	29821599	GG	TT	1940296480
SNP_P1_70913_29826330	NC_021163.1	Ca_kabuli_chr04	29826330	AA	GG	1940296481
SNP_P1_70914_29828961	NC_021163.1	Ca_kabuli_chr04	29828961	CC	TT	1940296483
SNP_P1_70915_29828962	NC_021163.1	Ca_kabuli_chr04	29828962	AA	GG	1940296485
SNP_P1_70916_29829318	NC_021163.1	Ca_kabuli_chr04	29829318	TT	CC	1940296486
SNP_P1_70917_29829992	NC_021163.1	Ca_kabuli_chr04	29829992	CC	AA	1940296488
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SNP_P1_70919_29830798	NC_021163.1	Ca_kabuli_chr04	29830798	GG	AA	1940296491
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SNP_P1_70921_29832760	NC_021163.1	Ca_kabuli_chr04	29832760	AA	GG	1940296495
SNP_P1_70922_29836417	NC_021163.1	Ca_kabuli_chr04	29836417	CC	TT	1940296496
SNP_P1_70923_29848683	NC_021163.1	Ca_kabuli_chr04	29848683	CC	TT	1940296498
SNP_P1_70925_29850375	NC_021163.1	Ca_kabuli_chr04	29850375	AA	GG	1940296500
SNP_P1_70926_29851520	NC_021163.1	Ca_kabuli_chr04	29851520	AA	GG	1940296501
SNP_P1_70927_29851737	NC_021163.1	Ca_kabuli_chr04	29851737	TT	CC	1940296503
SNP_P1_70928_29856080	NC_021163.1	Ca_kabuli_chr04	29856080	TT	CC	1940296505
SNP_P1_70929_29859792	NC_021163.1	Ca_kabuli_chr04	29859792	CC	TT	1940296506
SNP_P1_70930_29859960	NC_021163.1	Ca_kabuli_chr04	29859960	GG	AA	1940296508
SNP_P1_70931_29862498	NC_021163.1	Ca_kabuli_chr04	29862498	TT	AA	1940296510
SNP_P1_70936_29866531	NC_021163.1	Ca_kabuli_chr04	29866531	AA	GG	1940296512
SNP_P1_70937_29867084	NC_021163.1	Ca_kabuli_chr04	29867084	GG	AA	1940296513
SNP_P1_70938_29867671	NC_021163.1	Ca_kabuli_chr04	29867671	GG	AA	1940296515
SNP_P1_70939_29868331	NC_021163.1	Ca_kabuli_chr04	29868331	TT	CC	1940296517

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70942_29875712	NC_021163.1	Ca_kabuli_chr04	29875712	GG	TT	1940296520
SNP_P1_70943_29875756	NC_021163.1	Ca_kabuli_chr04	29875756	GG	CC	1940296522
SNP_P1_70944_29876292	NC_021163.1	Ca_kabuli_chr04	29876292	AA	GG	1940296524
SNP_P1_70945_29877669	NC_021163.1	Ca_kabuli_chr04	29877669	AA	GG	1940296525
SNP_P1_70946_29885108	NC_021163.1	Ca_kabuli_chr04	29885108	CC	TT	1940296527
SNP_P1_70947_29885695	NC_021163.1	Ca_kabuli_chr04	29885695	TT	GG	1940296529
SNP_P1_70948_29886040	NC_021163.1	Ca_kabuli_chr04	29886040	TT	AA	1940296530
SNP_P1_70949_29886744	NC_021163.1	Ca_kabuli_chr04	29886744	CC	TT	1940296532
SNP_P1_70950_29886761	NC_021163.1	Ca_kabuli_chr04	29886761	GG	AA	1940296534
SNP_P1_70952_29900191	NC_021163.1	Ca_kabuli_chr04	29900191	CC	TT	1940296535
SNP_P1_70953_29900266	NC_021163.1	Ca_kabuli_chr04	29900266	TT	AA	1940296537
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SNP_P1_70956_29902511	NC_021163.1	Ca_kabuli_chr04	29902511	TT	GG	1940296540
SNP_P1_70957_29906034	NC_021163.1	Ca_kabuli_chr04	29906034	GG	CC	1940296542
SNP_P1_70958_29907710	NC_021163.1	Ca_kabuli_chr04	29907710	AA	GG	1940296543
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SNP_P1_70960_29907944	NC_021163.1	Ca_kabuli_chr04	29907944	TT	GG	1940296547
SNP_P1_70961_29907946	NC_021163.1	Ca_kabuli_chr04	29907946	TT	CC	1940296548
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SNP_P1_70966_29918951	NC_021163.1	Ca_kabuli_chr04	29918951	CC	AA	1940296552
SNP_P1_70967_29918967	NC_021163.1	Ca_kabuli_chr04	29918967	TT	CC	1940296553
SNP_P1_70969_29925504	NC_021163.1	Ca_kabuli_chr04	29925504	GG	TT	1940296555
SNP_P1_70971_29929438	NC_021163.1	Ca_kabuli_chr04	29929438	CC	GG	1940296557
SNP_P1_70972_29930617	NC_021163.1	Ca_kabuli_chr04	29930617	CC	TT	1940296559
SNP_P1_70973_29930748	NC_021163.1	Ca_kabuli_chr04	29930748	CC	TT	1940296560
SNP_P1_70974_29930911	NC_021163.1	Ca_kabuli_chr04	29930911	CC	TT	1940296562
SNP_P1_70975_29930916	NC_021163.1	Ca_kabuli_chr04	29930916	AA	CC	1940296563
SNP_P1_70976_29931040	NC_021163.1	Ca_kabuli_chr04	29931040	CC	TT	1940296565
SNP_P1_70978_29931103	NC_021163.1	Ca_kabuli_chr04	29931103	AA	GG	1940296567
SNP_P1_70979_29931374	NC_021163.1	Ca_kabuli_chr04	29931374	TT	GG	1940296568
SNP_P1_70980_29931380	NC_021163.1	Ca_kabuli_chr04	29931380	CC	TT	1940296570
SNP_P1_70981_29932374	NC_021163.1	Ca_kabuli_chr04	29932374	GG	CC	1940296572
SNP_P1_70982_29932511	NC_021163.1	Ca_kabuli_chr04	29932511	CC	TT	1940296573
SNP_P1_70983_29932523	NC_021163.1	Ca_kabuli_chr04	29932523	TT	CC	1940296575
SNP_P1_70985_29932674	NC_021163.1	Ca_kabuli_chr04	29932674	AA	GG	1940296577
SNP_P1_70986_29932843	NC_021163.1	Ca_kabuli_chr04	29932843	GG	TT	1940296578
SNP_P1_70987_29932863	NC_021163.1	Ca_kabuli_chr04	29932863	TT	CC	1940296580
SNP_P1_70988_29932885	NC_021163.1	Ca_kabuli_chr04	29932885	AA	CC	1940296582
SNP_P1_70989_29932895	NC_021163.1	Ca_kabuli_chr04	29932895	AA	TT	1940296583
SNP_P1_70990_29933037	NC_021163.1	Ca_kabuli_chr04	29933037	AA	GG	1940296585
SNP_P1_70991_29933216	NC_021163.1	Ca_kabuli_chr04	29933216	AA	CC	1940296587

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_70994_29933464	NC_021163.1	Ca_kabuli_chr04	29933464	CC	AA	1940296592
SNP_P1_70995_29933678	NC_021163.1	Ca_kabuli_chr04	29933678	AA	GG	1940296593
SNP_P1_70996_29933718	NC_021163.1	Ca_kabuli_chr04	29933718	CC	GG	1940296595
SNP_P1_70997_29933734	NC_021163.1	Ca_kabuli_chr04	29933734	AA	CC	1940296596
SNP_P1_70999_29933794	NC_021163.1	Ca_kabuli_chr04	29933794	TT	GG	1940296598
SNP_P1_71000_29933800	NC_021163.1	Ca_kabuli_chr04	29933800	GG	TT	1940296600
SNP_P1_71001_29934081	NC_021163.1	Ca_kabuli_chr04	29934081	TT	CC	1940296601
SNP_P1_71002_29934139	NC_021163.1	Ca_kabuli_chr04	29934139	AA	GG	1940296603
SNP_P1_71003_29934143	NC_021163.1	Ca_kabuli_chr04	29934143	TT	CC	1940296605
SNP_P1_71004_29934176	NC_021163.1	Ca_kabuli_chr04	29934176	GG	CC	1940296607
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SNP_P1_71006_29934232	NC_021163.1	Ca_kabuli_chr04	29934232	TT	GG	1940296610
SNP_P1_71007_29934403	NC_021163.1	Ca_kabuli_chr04	29934403	GG	TT	1940296612
SNP_P1_71008_29934405	NC_021163.1	Ca_kabuli_chr04	29934405	AA	CC	1940296613
SNP_P1_71009_29934409	NC_021163.1	Ca_kabuli_chr04	29934409	GG	AA	1940296615
SNP_P1_71010_29934425	NC_021163.1	Ca_kabuli_chr04	29934425	TT	AA	1940296617
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SNP_P1_71017_29936438	NC_021163.1	Ca_kabuli_chr04	29936438	GG	TT	1940296626
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SNP_P1_71021_29938330	NC_021163.1	Ca_kabuli_chr04	29938330	CC	TT	1940296633
SNP_P1_71022_29938681	NC_021163.1	Ca_kabuli_chr04	29938681	TT	AA	1940296635
SNP_P1_71023_29939231	NC_021163.1	Ca_kabuli_chr04	29939231	GG	TT	1940296636
SNP_P1_71024_29939255	NC_021163.1	Ca_kabuli_chr04	29939255	AA	CC	1940296638
SNP_P1_71025_29939263	NC_021163.1	Ca_kabuli_chr04	29939263	CC	AA	1940296640
SNP_P1_71026_29939265	NC_021163.1	Ca_kabuli_chr04	29939265	AA	GG	1940296641
SNP_P1_71027_29939273	NC_021163.1	Ca_kabuli_chr04	29939273	AA	GG	1940296643
SNP_P1_71028_29940130	NC_021163.1	Ca_kabuli_chr04	29940130	CC	TT	1940296645
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SNP_P1_71031_29940406	NC_021163.1	Ca_kabuli_chr04	29940406	GG	AA	1940296650
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SNP_P1_71034_29942140	NC_021163.1	Ca_kabuli_chr04	29942140	TT	CC	1940296653
SNP_P1_71035_29942480	NC_021163.1	Ca_kabuli_chr04	29942480	TT	CC	1940296655
SNP_P1_71036_29942529	NC_021163.1	Ca_kabuli_chr04	29942529	CC	GG	1940296657

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71040_29943245	NC_021163.1	Ca_kabuli_chr04	29943245	AA	CC	1940296664
SNP_P1_71041_29943361	NC_021163.1	Ca_kabuli_chr04	29943361	AA	GG	1940296665
SNP_P1_71042_29943402	NC_021163.1	Ca_kabuli_chr04	29943402	CC	TT	1940296667
SNP_P1_71043_29943403	NC_021163.1	Ca_kabuli_chr04	29943403	GG	AA	1940296669
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SNP_P1_71047_29945846	NC_021163.1	Ca_kabuli_chr04	29945846	TT	CC	1940296675
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SNP_P1_71055_29958122	NC_021163.1	Ca_kabuli_chr04	29958122	TT	GG	1940296687
SNP_P1_71056_29960463	NC_021163.1	Ca_kabuli_chr04	29960463	TT	CC	1940296688
SNP_P1_71057_29960487	NC_021163.1	Ca_kabuli_chr04	29960487	TT	CC	1940296690
SNP_P1_71058_29960542	NC_021163.1	Ca_kabuli_chr04	29960542	CC	TT	1940296692
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SNP_P1_71061_29961401	NC_021163.1	Ca_kabuli_chr04	29961401	CC	TT	1940296697
SNP_P1_71062_29961897	NC_021163.1	Ca_kabuli_chr04	29961897	AA	GG	1940296698
SNP_P1_71063_29972965	NC_021163.1	Ca_kabuli_chr04	29972965	CC	GG	1940296700
SNP_P1_71064_29972999	NC_021163.1	Ca_kabuli_chr04	29972999	CC	AA	1940296701
SNP_P1_71065_29973005	NC_021163.1	Ca_kabuli_chr04	29973005	GG	TT	1940296703
SNP_P1_71066_29973018	NC_021163.1	Ca_kabuli_chr04	29973018	GG	AA	1940296705
SNP_P1_71068_29975068	NC_021163.1	Ca_kabuli_chr04	29975068	AA	GG	1940296706
SNP_P1_71069_29975122	NC_021163.1	Ca_kabuli_chr04	29975122	AA	GG	1940296708
SNP_P1_71070_29975174	NC_021163.1	Ca_kabuli_chr04	29975174	AA	GG	1940296710
SNP_P1_71071_29975181	NC_021163.1	Ca_kabuli_chr04	29975181	GG	AA	1940296711
SNP_P1_71072_29975468	NC_021163.1	Ca_kabuli_chr04	29975468	GG	AA	1940296713
SNP_P1_71073_29977728	NC_021163.1	Ca_kabuli_chr04	29977728	AA	CC	1940296715
SNP_P1_71074_29977855	NC_021163.1	Ca_kabuli_chr04	29977855	AA	GG	1940296716
SNP_P1_71075_29978594	NC_021163.1	Ca_kabuli_chr04	29978594	GG	AA	1940296718
SNP_P1_71076_29979601	NC_021163.1	Ca_kabuli_chr04	29979601	TT	CC	1940296720
SNP_P1_71077_29979611	NC_021163.1	Ca_kabuli_chr04	29979611	CC	TT	1940296721
SNP_P1_71078_29979665	NC_021163.1	Ca_kabuli_chr04	29979665	AA	GG	1940296723
SNP_P1_71079_29979670	NC_021163.1	Ca_kabuli_chr04	29979670	CC	TT	1940296725
SNP_P1_71080_29979673	NC_021163.1	Ca_kabuli_chr04	29979673	AA	CC	1940296726

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71083_29985449	NC_021163.1	Ca_kabuli_chr04	29985449	CC	AA	1940296730
SNP_P1_71084_29985451	NC_021163.1	Ca_kabuli_chr04	29985451	AA	GG	1940296731
SNP_P1_71085_29985461	NC_021163.1	Ca_kabuli_chr04	29985461	AA	TT	1940296733
SNP_P1_71086_29985478	NC_021163.1	Ca_kabuli_chr04	29985478	AA	TT	1940296734
SNP_P1_71087_29985483	NC_021163.1	Ca_kabuli_chr04	29985483	CC	AA	1940296736
SNP_P1_71088_29985651	NC_021163.1	Ca_kabuli_chr04	29985651	GG	TT	1940296738
SNP_P1_71089_29985657	NC_021163.1	Ca_kabuli_chr04	29985657	TT	CC	1940296740
SNP_P1_71090_29985667	NC_021163.1	Ca_kabuli_chr04	29985667	AA	TT	1940296741
SNP_P1_71091_29985691	NC_021163.1	Ca_kabuli_chr04	29985691	CC	AA	1940296743
SNP_P1_71092_29985823	NC_021163.1	Ca_kabuli_chr04	29985823	TT	CC	1940296744
SNP_P1_71093_29985960	NC_021163.1	Ca_kabuli_chr04	29985960	AA	TT	1940296746
SNP_P1_71094_29986395	NC_021163.1	Ca_kabuli_chr04	29986395	CC	AA	1940296748
SNP_P1_71095_29986622	NC_021163.1	Ca_kabuli_chr04	29986622	GG	CC	1940296749
SNP_P1_71096_29987433	NC_021163.1	Ca_kabuli_chr04	29987433	TT	CC	1940296751
SNP_P1_71098_29987939	NC_021163.1	Ca_kabuli_chr04	29987939	GG	TT	1940296753
SNP_P1_71099_29987940	NC_021163.1	Ca_kabuli_chr04	29987940	CC	AA	1940296754
SNP_P1_71100_29987948	NC_021163.1	Ca_kabuli_chr04	29987948	AA	CC	1940296756
SNP_P1_71101_29987956	NC_021163.1	Ca_kabuli_chr04	29987956	CC	TT	1940296758
SNP_P1_71102_29989444	NC_021163.1	Ca_kabuli_chr04	29989444	GG	CC	1940296760
SNP_P1_71103_29990856	NC_021163.1	Ca_kabuli_chr04	29990856	AA	GG	1940296761
SNP_P1_71104_29990896	NC_021163.1	Ca_kabuli_chr04	29990896	CC	GG	1940296763
SNP_P1_71105_29990900	NC_021163.1	Ca_kabuli_chr04	29990900	CC	AA	1940296765
SNP_P1_71106_29991075	NC_021163.1	Ca_kabuli_chr04	29991075	GG	AA	1940296766
SNP_P1_71107_29991094	NC_021163.1	Ca_kabuli_chr04	29991094	CC	TT	1940296768
SNP_P1_71108_29991262	NC_021163.1	Ca_kabuli_chr04	29991262	AA	TT	1940296770
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SNP_P1_71110_29991276	NC_021163.1	Ca_kabuli_chr04	29991276	GG	AA	1940296773
SNP_P1_71111_29991297	NC_021163.1	Ca_kabuli_chr04	29991297	AA	CC	1940296775
SNP_P1_71112_29991312	NC_021163.1	Ca_kabuli_chr04	29991312	AA	TT	1940296776
SNP_P1_71113_29991314	NC_021163.1	Ca_kabuli_chr04	29991314	AA	TT	1940296778
SNP_P1_71114_29991344	NC_021163.1	Ca_kabuli_chr04	29991344	CC	AA	1940296780
SNP_P1_71115_29991509	NC_021163.1	Ca_kabuli_chr04	29991509	AA	GG	1940296781
SNP_P1_71116_29991553	NC_021163.1	Ca_kabuli_chr04	29991553	GG	TT	1940296784
SNP_P1_71117_29991571	NC_021163.1	Ca_kabuli_chr04	29991571	AA	TT	1940296785
SNP_P1_71118_29991589	NC_021163.1	Ca_kabuli_chr04	29991589	AA	GG	1940296787
SNP_P1_71119_30001180	NC_021163.1	Ca_kabuli_chr04	30001180	GG	AA	1940296788
SNP_P1_71120_30001438	NC_021163.1	Ca_kabuli_chr04	30001438	AA	CC	1940296790
SNP_P1_71121_30005759	NC_021163.1	Ca_kabuli_chr04	30005759	GG	AA	1940296792
SNP_P1_71122_30005763	NC_021163.1	Ca_kabuli_chr04	30005763	TT	GG	1940296793
SNP_P1_71123_30005785	NC_021163.1	Ca_kabuli_chr04	30005785	TT	CC	1940296795
SNP_P1_71124_30006038	NC_021163.1	Ca_kabuli_chr04	30006038	CC	AA	1940296797

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71126_30006075	NC_021163.1	Ca_kabuli_chr04	30006075	GG	CC	1940296800
SNP_P1_71127_30006081	NC_021163.1	Ca_kabuli_chr04	30006081	TT	CC	1940296802
SNP_P1_71128_30006092	NC_021163.1	Ca_kabuli_chr04	30006092	CC	AA	1940296803
SNP_P1_71129_30006101	NC_021163.1	Ca_kabuli_chr04	30006101	AA	CC	1940296805
SNP_P1_71130_30006180	NC_021163.1	Ca_kabuli_chr04	30006180	TT	CC	1940296807
SNP_P1_71131_30006186	NC_021163.1	Ca_kabuli_chr04	30006186	AA	CC	1940296808
SNP_P1_71132_30006225	NC_021163.1	Ca_kabuli_chr04	30006225	AA	GG	1940296810
SNP_P1_71133_30006232	NC_021163.1	Ca_kabuli_chr04	30006232	TT	CC	1940296812
SNP_P1_71134_30006236	NC_021163.1	Ca_kabuli_chr04	30006236	CC	TT	1940296813
SNP_P1_71135_30009241	NC_021163.1	Ca_kabuli_chr04	30009241	CC	AA	1940296815
SNP_P1_71136_30009276	NC_021163.1	Ca_kabuli_chr04	30009276	CC	AA	1940296817
SNP_P1_71137_30009503	NC_021163.1	Ca_kabuli_chr04	30009503	TT	CC	1940296818
SNP_P1_71138_30009512	NC_021163.1	Ca_kabuli_chr04	30009512	CC	TT	1940296820
SNP_P1_71139_30009513	NC_021163.1	Ca_kabuli_chr04	30009513	AA	GG	1940296822
SNP_P1_71140_30009529	NC_021163.1	Ca_kabuli_chr04	30009529	CC	TT	1940296823
SNP_P1_71141_30009547	NC_021163.1	Ca_kabuli_chr04	30009547	TT	GG	1940296825
SNP_P1_71142_30016477	NC_021163.1	Ca_kabuli_chr04	30016477	GG	AA	1940296826
SNP_P1_71143_30019033	NC_021163.1	Ca_kabuli_chr04	30019033	GG	AA	1940296828
SNP_P1_71144_30019768	NC_021163.1	Ca_kabuli_chr04	30019768	AA	GG	1940296830
SNP_P1_71145_30019888	NC_021163.1	Ca_kabuli_chr04	30019888	TT	CC	1940296831
SNP_P1_71146_30019892	NC_021163.1	Ca_kabuli_chr04	30019892	AA	GG	1940296833
SNP_P1_71147_30019895	NC_021163.1	Ca_kabuli_chr04	30019895	GG	AA	1940296835
SNP_P1_71148_30019941	NC_021163.1	Ca_kabuli_chr04	30019941	GG	TT	1940296836
SNP_P1_71149_30019956	NC_021163.1	Ca_kabuli_chr04	30019956	GG	TT	1940296838
SNP_P1_71150_30019957	NC_021163.1	Ca_kabuli_chr04	30019957	CC	TT	1940296840
SNP_P1_71151_30019970	NC_021163.1	Ca_kabuli_chr04	30019970	TT	CC	1940296841
SNP_P1_71152_30020106	NC_021163.1	Ca_kabuli_chr04	30020106	AA	GG	1940296843
SNP_P1_71153_30020232	NC_021163.1	Ca_kabuli_chr04	30020232	TT	CC	1940296845
SNP_P1_71154_30020245	NC_021163.1	Ca_kabuli_chr04	30020245	GG	CC	1940296846
SNP_P1_71155_30025656	NC_021163.1	Ca_kabuli_chr04	30025656	TT	CC	1940296848
SNP_P1_71156_30025676	NC_021163.1	Ca_kabuli_chr04	30025676	TT	CC	1940296850
SNP_P1_71157_30025708	NC_021163.1	Ca_kabuli_chr04	30025708	AA	GG	1940296851
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SNP_P1_71159_30025751	NC_021163.1	Ca_kabuli_chr04	30025751	CC	TT	1940296855
SNP_P1_71160_30033028	NC_021163.1	Ca_kabuli_chr04	30033028	AA	CC	1940296856
SNP_P1_71161_30033107	NC_021163.1	Ca_kabuli_chr04	30033107	CC	TT	1940296858
SNP_P1_71163_30033348	NC_021163.1	Ca_kabuli_chr04	30033348	GG	TT	1940296860
SNP_P1_71164_30033358	NC_021163.1	Ca_kabuli_chr04	30033358	AA	GG	1940296861
SNP_P1_71165_30033361	NC_021163.1	Ca_kabuli_chr04	30033361	AA	GG	1940296864
SNP_P1_71166_30033363	NC_021163.1	Ca_kabuli_chr04	30033363	TT	CC	1940296866
SNP_P1_71167_30033429	NC_021163.1	Ca_kabuli_chr04	30033429	GG	CC	1940296867

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71169_30042887	NC_021163.1	Ca_kabuli_chr04	30042887	CC	AA	1940296871
SNP_P1_71170_30042921	NC_021163.1	Ca_kabuli_chr04	30042921	CC	TT	1940296872
SNP_P1_71171_30043233	NC_021163.1	Ca_kabuli_chr04	30043233	AA	TT	1940296874
SNP_P1_71173_30046009	NC_021163.1	Ca_kabuli_chr04	30046009	TT	AA	1940296876
SNP_P1_71176_30047154	NC_021163.1	Ca_kabuli_chr04	30047154	TT	AA	1940296878
SNP_P1_71177_30047715	NC_021163.1	Ca_kabuli_chr04	30047715	AA	TT	1940296879
SNP_P1_71178_30049368	NC_021163.1	Ca_kabuli_chr04	30049368	TT	CC	1940296881
SNP_P1_71179_30050904	NC_021163.1	Ca_kabuli_chr04	30050904	GG	AA	1940296882
SNP_P1_71180_30052839	NC_021163.1	Ca_kabuli_chr04	30052839	CC	AA	1940296884
SNP_P1_71181_30055018	NC_021163.1	Ca_kabuli_chr04	30055018	GG	AA	1940296886
SNP_P1_71182_30055114	NC_021163.1	Ca_kabuli_chr04	30055114	CC	TT	1940296887
SNP_P1_71183_30055144	NC_021163.1	Ca_kabuli_chr04	30055144	AA	GG	1940296889
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SNP_P1_71185_30060330	NC_021163.1	Ca_kabuli_chr04	30060330	GG	AA	1940296892
SNP_P1_71186_30064727	NC_021163.1	Ca_kabuli_chr04	30064727	CC	AA	1940296893
SNP_P1_71187_30070843	NC_021163.1	Ca_kabuli_chr04	30070843	CC	TT	1940296895
SNP_P1_71188_30071967	NC_021163.1	Ca_kabuli_chr04	30071967	TT	GG	1940296897
SNP_P1_71189_30072207	NC_021163.1	Ca_kabuli_chr04	30072207	TT	CC	1940296899
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SNP_P1_71193_30073169	NC_021163.1	Ca_kabuli_chr04	30073169	TT	CC	1940296905
SNP_P1_71194_30073173	NC_021163.1	Ca_kabuli_chr04	30073173	TT	GG	1940296906
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SNP_P1_71200_30075871	NC_021163.1	Ca_kabuli_chr04	30075871	GG	AA	1940296914
SNP_P1_71201_30076753	NC_021163.1	Ca_kabuli_chr04	30076753	CC	TT	1940296916
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SNP_P1_71204_30076986	NC_021163.1	Ca_kabuli_chr04	30076986	GG	AA	1940296919
SNP_P1_71206_30078123	NC_021163.1	Ca_kabuli_chr04	30078123	AA	GG	1940296920
SNP_P1_71207_30078131	NC_021163.1	Ca_kabuli_chr04	30078131	AA	GG	1940296922
SNP_P1_71208_30080423	NC_021163.1	Ca_kabuli_chr04	30080423	TT	CC	1940296924
SNP_P1_71209_30080426	NC_021163.1	Ca_kabuli_chr04	30080426	CC	AA	1940296925
SNP_P1_71210_30080682	NC_021163.1	Ca_kabuli_chr04	30080682	CC	AA	1940296927
SNP_P1_71211_30080732	NC_021163.1	Ca_kabuli_chr04	30080732	AA	CC	1940296929
SNP_P1_71212_30081030	NC_021163.1	Ca_kabuli_chr04	30081030	AA	CC	1940296930
SNP_P1_71214_30082701	NC_021163.1	Ca_kabuli_chr04	30082701	GG	AA	1940296932
SNP_P1_71216_30082875	NC_021163.1	Ca_kabuli_chr04	30082875	AA	TT	1940296933
SNP_P1_71217_30083704	NC_021163.1	Ca_kabuli_chr04	30083704	CC	TT	1940296935
SNP_P1_71218_30083893	NC_021163.1	Ca_kabuli_chr04	30083893	CC	TT	1940296937

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71221_30085411	NC_021163.1	Ca_kabuli_chr04	30085411	AA	GG	1940296942
SNP_P1_71222_30085510	NC_021163.1	Ca_kabuli_chr04	30085510	TT	AA	1940296943
SNP_P1_71225_30086961	NC_021163.1	Ca_kabuli_chr04	30086961	AA	CC	1940296945
SNP_P1_71226_30086966	NC_021163.1	Ca_kabuli_chr04	30086966	TT	CC	1940296946
SNP_P1_71227_30086970	NC_021163.1	Ca_kabuli_chr04	30086970	TT	CC	1940296948
SNP_P1_71228_30087044	NC_021163.1	Ca_kabuli_chr04	30087044	AA	GG	1940296950
SNP_P1_71229_30087209	NC_021163.1	Ca_kabuli_chr04	30087209	AA	GG	1940296951
SNP_P1_71231_30090282	NC_021163.1	Ca_kabuli_chr04	30090282	GG	AA	1940296953
SNP_P1_71233_30091349	NC_021163.1	Ca_kabuli_chr04	30091349	AA	TT	1940296955
SNP_P1_71235_30091590	NC_021163.1	Ca_kabuli_chr04	30091590	TT	GG	1940296956
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SNP_P1_71242_30093614	NC_021163.1	Ca_kabuli_chr04	30093614	TT	AA	1940296964
SNP_P1_71243_30096222	NC_021163.1	Ca_kabuli_chr04	30096222	AA	GG	1940296966
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SNP_P1_71248_30096605	NC_021163.1	Ca_kabuli_chr04	30096605	TT	CC	1940296974
SNP_P1_71249_30096648	NC_021163.1	Ca_kabuli_chr04	30096648	AA	GG	1940296976
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SNP_P1_71252_30097360	NC_021163.1	Ca_kabuli_chr04	30097360	TT	CC	1940296981
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SNP_P1_71258_30098270	NC_021163.1	Ca_kabuli_chr04	30098270	CC	TT	1940296989
SNP_P1_71259_30098287	NC_021163.1	Ca_kabuli_chr04	30098287	GG	AA	1940296991
SNP_P1_71262_30098469	NC_021163.1	Ca_kabuli_chr04	30098469	AA	GG	1940296993
SNP_P1_71263_30098510	NC_021163.1	Ca_kabuli_chr04	30098510	AA	CC	1940296994
SNP_P1_71264_30098520	NC_021163.1	Ca_kabuli_chr04	30098520	CC	AA	1940296996
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SNP_P1_71266_30098886	NC_021163.1	Ca_kabuli_chr04	30098886	CC	TT	1940296999
SNP_P1_71268_30102025	NC_021163.1	Ca_kabuli_chr04	30102025	GG	TT	1940297001
SNP_P1_71269_30102048	NC_021163.1	Ca_kabuli_chr04	30102048	TT	GG	1940297002
SNP_P1_71270_30102049	NC_021163.1	Ca_kabuli_chr04	30102049	CC	TT	1940297004
SNP_P1_71271_30102116	NC_021163.1	Ca_kabuli_chr04	30102116	AA	GG	1940297006

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_71272_30102341	NC_021163.1	Ca_kabuli_chr04	30102341	GG	AA	1940297007
SNP_P1_71273_30102499	NC_021163.1	Ca_kabuli_chr04	30102499	GG	AA	1940297009
SNP_P1_71274_30102500	NC_021163.1	Ca_kabuli_chr04	30102500	CC	TT	1940297010
SNP_P1_71276_30103870	NC_021163.1	Ca_kabuli_chr04	30103870	TT	CC	1940297012
SNP_P1_71277_30105644	NC_021163.1	Ca_kabuli_chr04	30105644	TT	CC	1940297014
SNP_P1_71278_30105766	NC_021163.1	Ca_kabuli_chr04	30105766	GG	TT	1940297015
SNP_P1_71279_30107431	NC_021163.1	Ca_kabuli_chr04	30107431	AA	GG	1940297017
SNP_P1_71280_30107453	NC_021163.1	Ca_kabuli_chr04	30107453	CC	TT	1940297019
SNP_P1_71282_30111571	NC_021163.1	Ca_kabuli_chr04	30111571	CC	TT	1940297020
SNP_P1_71283_30111594	NC_021163.1	Ca_kabuli_chr04	30111594	CC	TT	1940297022
SNP_P1_71284_30111627	NC_021163.1	Ca_kabuli_chr04	30111627	TT	GG	1940297024
SNP_P1_71286_30111649	NC_021163.1	Ca_kabuli_chr04	30111649	CC	GG	1940297025
SNP_P1_71287_30111652	NC_021163.1	Ca_kabuli_chr04	30111652	TT	CC	1940297027
SNP_P1_71288_30111699	NC_021163.1	Ca_kabuli_chr04	30111699	GG	AA	1940297029
SNP_P1_71289_30111704	NC_021163.1	Ca_kabuli_chr04	30111704	CC	GG	1940297030
SNP_P1_71290_30111740	NC_021163.1	Ca_kabuli_chr04	30111740	TT	CC	1940297032
SNP_P1_71291_30111767	NC_021163.1	Ca_kabuli_chr04	30111767	TT	CC	1940297034
SNP_P1_71292_30111815	NC_021163.1	Ca_kabuli_chr04	30111815	AA	CC	1940297035
SNP_P1_71293_30112023	NC_021163.1	Ca_kabuli_chr04	30112023	TT	CC	1940297037
SNP_P1_71295_30112130	NC_021163.1	Ca_kabuli_chr04	30112130	TT	GG	1940297039
SNP_P1_71296_30112131	NC_021163.1	Ca_kabuli_chr04	30112131	AA	TT	1940297040
SNP_P1_71298_30115607	NC_021163.1	Ca_kabuli_chr04	30115607	AA	GG	1940297042
SNP_P1_71299_30115670	NC_021163.1	Ca_kabuli_chr04	30115670	GG	TT	1940297044
SNP_P1_71300_30115708	NC_021163.1	Ca_kabuli_chr04	30115708	TT	CC	1940297045
SNP_P1_71301_30115714	NC_021163.1	Ca_kabuli_chr04	30115714	TT	AA	1940297047
SNP_P1_71303_30115998	NC_021163.1	Ca_kabuli_chr04	30115998	AA	TT	1940297049
SNP_P1_71304_30115999	NC_021163.1	Ca_kabuli_chr04	30115999	AA	CC	1940297050
SNP_P1_71305_30116000	NC_021163.1	Ca_kabuli_chr04	30116000	TT	AA	1940297052
SNP_P1_71306_30116052	NC_021163.1	Ca_kabuli_chr04	30116052	TT	CC	1940297054
SNP_P1_71307_30116499	NC_021163.1	Ca_kabuli_chr04	30116499	GG	AA	1940297055
SNP_P1_71308_30116541	NC_021163.1	Ca_kabuli_chr04	30116541	TT	CC	1940297057
SNP_P1_71309_30116775	NC_021163.1	Ca_kabuli_chr04	30116775	TT	CC	1940297059
SNP_P1_71310_30116813	NC_021163.1	Ca_kabuli_chr04	30116813	AA	TT	1940297060
SNP_P1_71311_30117018	NC_021163.1	Ca_kabuli_chr04	30117018	AA	GG	1940297062
SNP_P1_71312_30117023	NC_021163.1	Ca_kabuli_chr04	30117023	CC	GG	1940297063
SNP_P1_71313_30117063	NC_021163.1	Ca_kabuli_chr04	30117063	CC	TT	1940297065
SNP_P1_71314_30117444	NC_021163.1	Ca_kabuli_chr04	30117444	TT	CC	1940297067
SNP_P1_71315_30117668	NC_021163.1	Ca_kabuli_chr04	30117668	TT	CC	1940297069
SNP_P1_71316_30117740	NC_021163.1	Ca_kabuli_chr04	30117740	TT	CC	1940297070
SNP_P1_71317_30117811	NC_021163.1	Ca_kabuli_chr04	30117811	CC	TT	1940297072
SNP_P1_71318_30118013	NC_021163.1	Ca_kabuli_chr04	30118013	GG	AA	1940297074
SNP_P1_71319_30118046	NC_021163.1	Ca_kabuli_chr04	30118046	AA	GG	1940297075

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71321_30118292	NC_021163.1	Ca_kabuli_chr04	30118292	TT	CC	1940297079
SNP_P1_71322_30118295	NC_021163.1	Ca_kabuli_chr04	30118295	TT	AA	1940297080
SNP_P1_71324_30118706	NC_021163.1	Ca_kabuli_chr04	30118706	GG	AA	1940297082
SNP_P1_71326_30119008	NC_021163.1	Ca_kabuli_chr04	30119008	TT	CC	1940297084
SNP_P1_71327_30119397	NC_021163.1	Ca_kabuli_chr04	30119397	CC	TT	1940297086
SNP_P1_71328_30119806	NC_021163.1	Ca_kabuli_chr04	30119806	CC	TT	1940297087
SNP_P1_71329_30119840	NC_021163.1	Ca_kabuli_chr04	30119840	GG	CC	1940297089
SNP_P1_71330_30119865	NC_021163.1	Ca_kabuli_chr04	30119865	TT	AA	1940297091
SNP_P1_71331_30120224	NC_021163.1	Ca_kabuli_chr04	30120224	GG	AA	1940297092
SNP_P1_71332_30120254	NC_021163.1	Ca_kabuli_chr04	30120254	GG	TT	1940297094
SNP_P1_71333_30120555	NC_021163.1	Ca_kabuli_chr04	30120555	TT	GG	1940297096
SNP_P1_71334_30120593	NC_021163.1	Ca_kabuli_chr04	30120593	TT	CC	1940297097
SNP_P1_71335_30120651	NC_021163.1	Ca_kabuli_chr04	30120651	TT	CC	1940297099
SNP_P1_71337_30120709	NC_021163.1	Ca_kabuli_chr04	30120709	CC	TT	1940297101
SNP_P1_71338_30120897	NC_021163.1	Ca_kabuli_chr04	30120897	GG	AA	1940297102
SNP_P1_71339_30121001	NC_021163.1	Ca_kabuli_chr04	30121001	AA	GG	1940297104
SNP_P1_71340_30121037	NC_021163.1	Ca_kabuli_chr04	30121037	TT	CC	1940297105
SNP_P1_71341_30122206	NC_021163.1	Ca_kabuli_chr04	30122206	AA	GG	1940297107
SNP_P1_71342_30122394	NC_021163.1	Ca_kabuli_chr04	30122394	AA	GG	1940297109
SNP_P1_71343_30122418	NC_021163.1	Ca_kabuli_chr04	30122418	CC	TT	1940297110
SNP_P1_71344_30122488	NC_021163.1	Ca_kabuli_chr04	30122488	TT	AA	1940297112
SNP_P1_71347_30122612	NC_021163.1	Ca_kabuli_chr04	30122612	CC	TT	1940297114
SNP_P1_71348_30122617	NC_021163.1	Ca_kabuli_chr04	30122617	AA	CC	1940297116
SNP_P1_71349_30122761	NC_021163.1	Ca_kabuli_chr04	30122761	AA	CC	1940297117
SNP_P1_71351_30122839	NC_021163.1	Ca_kabuli_chr04	30122839	TT	CC	1940297119
SNP_P1_71352_30122885	NC_021163.1	Ca_kabuli_chr04	30122885	TT	CC	1940297121
SNP_P1_71354_30122900	NC_021163.1	Ca_kabuli_chr04	30122900	CC	TT	1940297122
SNP_P1_71355_30124966	NC_021163.1	Ca_kabuli_chr04	30124966	AA	TT	1940297124
SNP_P1_71356_30125124	NC_021163.1	Ca_kabuli_chr04	30125124	GG	AA	1940297126
SNP_P1_71357_30125149	NC_021163.1	Ca_kabuli_chr04	30125149	GG	AA	1940297127
SNP_P1_71358_30125409	NC_021163.1	Ca_kabuli_chr04	30125409	GG	AA	1940297129
SNP_P1_71359_30125712	NC_021163.1	Ca_kabuli_chr04	30125712	TT	GG	1940297131
SNP_P1_71360_30125718	NC_021163.1	Ca_kabuli_chr04	30125718	CC	TT	1940297132
SNP_P1_71361_30125960	NC_021163.1	Ca_kabuli_chr04	30125960	GG	AA	1940297134
SNP_P1_71362_30126053	NC_021163.1	Ca_kabuli_chr04	30126053	AA	GG	1940297136
SNP_P1_71363_30132219	NC_021163.1	Ca_kabuli_chr04	30132219	TT	CC	1940297137
SNP_P1_71364_30132519	NC_021163.1	Ca_kabuli_chr04	30132519	AA	CC	1940297139
SNP_P1_71365_30132528	NC_021163.1	Ca_kabuli_chr04	30132528	TT	CC	1940297140
SNP_P1_71367_30132850	NC_021163.1	Ca_kabuli_chr04	30132850	CC	GG	1940297142
SNP_P1_71369_30134097	NC_021163.1	Ca_kabuli_chr04	30134097	AA	GG	1940297144
SNP_P1_71371_30134401	NC_021163.1	Ca_kabuli_chr04	30134401	AA	GG	1940297146

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71374_30134467	NC_021163.1	Ca_kabuli_chr04	30134467	TT	CC	1940297149
SNP_P1_71375_30134505	NC_021163.1	Ca_kabuli_chr04	30134505	CC	TT	1940297151
SNP_P1_71376_30134528	NC_021163.1	Ca_kabuli_chr04	30134528	GG	TT	1940297152
SNP_P1_71377_30134582	NC_021163.1	Ca_kabuli_chr04	30134582	TT	AA	1940297154
SNP_P1_71378_30134586	NC_021163.1	Ca_kabuli_chr04	30134586	TT	CC	1940297155
SNP_P1_71379_30134619	NC_021163.1	Ca_kabuli_chr04	30134619	AA	TT	1940297157
SNP_P1_71380_30134829	NC_021163.1	Ca_kabuli_chr04	30134829	GG	AA	1940297159
SNP_P1_71381_30137402	NC_021163.1	Ca_kabuli_chr04	30137402	CC	TT	1940297160
SNP_P1_71382_30137588	NC_021163.1	Ca_kabuli_chr04	30137588	TT	CC	1940297162
SNP_P1_71383_30137591	NC_021163.1	Ca_kabuli_chr04	30137591	TT	CC	1940297164
SNP_P1_71384_30137809	NC_021163.1	Ca_kabuli_chr04	30137809	AA	GG	1940297165
SNP_P1_71385_30138132	NC_021163.1	Ca_kabuli_chr04	30138132	AA	GG	1940297167
SNP_P1_71386_30138138	NC_021163.1	Ca_kabuli_chr04	30138138	GG	AA	1940297169
SNP_P1_71387_30138427	NC_021163.1	Ca_kabuli_chr04	30138427	GG	AA	1940297171
SNP_P1_71388_30138865	NC_021163.1	Ca_kabuli_chr04	30138865	CC	TT	1940297173
SNP_P1_71389_30139170	NC_021163.1	Ca_kabuli_chr04	30139170	GG	AA	1940297175
SNP_P1_71390_30139203	NC_021163.1	Ca_kabuli_chr04	30139203	TT	CC	1940297176
SNP_P1_71391_30140083	NC_021163.1	Ca_kabuli_chr04	30140083	TT	GG	1940297178
SNP_P1_71392_30140200	NC_021163.1	Ca_kabuli_chr04	30140200	GG	CC	1940297180
SNP_P1_71393_30140216	NC_021163.1	Ca_kabuli_chr04	30140216	CC	TT	1940297182
SNP_P1_71394_30140860	NC_021163.1	Ca_kabuli_chr04	30140860	AA	CC	1940297183
SNP_P1_71395_30141083	NC_021163.1	Ca_kabuli_chr04	30141083	GG	AA	1940297185
SNP_P1_71396_30141368	NC_021163.1	Ca_kabuli_chr04	30141368	TT	CC	1940297187
SNP_P1_71397_30141407	NC_021163.1	Ca_kabuli_chr04	30141407	GG	AA	1940297189
SNP_P1_71399_30141772	NC_021163.1	Ca_kabuli_chr04	30141772	CC	GG	1940297190
SNP_P1_71401_30141961	NC_021163.1	Ca_kabuli_chr04	30141961	CC	AA	1940297192
SNP_P1_71403_30142180	NC_021163.1	Ca_kabuli_chr04	30142180	AA	CC	1940297194
SNP_P1_71404_30142198	NC_021163.1	Ca_kabuli_chr04	30142198	GG	CC	1940297196
SNP_P1_71405_30142201	NC_021163.1	Ca_kabuli_chr04	30142201	AA	GG	1940297197
SNP_P1_71406_30142340	NC_021163.1	Ca_kabuli_chr04	30142340	TT	AA	1940297199
SNP_P1_71407_30142343	NC_021163.1	Ca_kabuli_chr04	30142343	GG	CC	1940297201
SNP_P1_71408_30143535	NC_021163.1	Ca_kabuli_chr04	30143535	TT	CC	1940297203
SNP_P1_71409_30143775	NC_021163.1	Ca_kabuli_chr04	30143775	GG	CC	1940297204
SNP_P1_71410_30143844	NC_021163.1	Ca_kabuli_chr04	30143844	GG	AA	1940297206
SNP_P1_71411_30144330	NC_021163.1	Ca_kabuli_chr04	30144330	TT	CC	1940297208
SNP_P1_71412_30144391	NC_021163.1	Ca_kabuli_chr04	30144391	GG	AA	1940297209
SNP_P1_71413_30144426	NC_021163.1	Ca_kabuli_chr04	30144426	TT	GG	1940297211
SNP_P1_71414_30146745	NC_021163.1	Ca_kabuli_chr04	30146745	AA	GG	1940297213
SNP_P1_71415_30146974	NC_021163.1	Ca_kabuli_chr04	30146974	TT	CC	1940297214
SNP_P1_71416_30147020	NC_021163.1	Ca_kabuli_chr04	30147020	TT	GG	1940297216
SNP_P1_71417_30147021	NC_021163.1	Ca_kabuli_chr04	30147021	TT	AA	1940297218

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_71420_30148017	NC_021163.1	Ca_kabuli_chr04	30148017	TT	AA	1940297219
SNP_P1_71421_30148219	NC_021163.1	Ca_kabuli_chr04	30148219	AA	TT	1940297221
SNP_P1_71423_30148761	NC_021163.1	Ca_kabuli_chr04	30148761	GG	TT	1940297223
SNP_P1_71424_30149241	NC_021163.1	Ca_kabuli_chr04	30149241	CC	TT	1940297224
SNP_P1_71425_30149278	NC_021163.1	Ca_kabuli_chr04	30149278	TT	AA	1940297226
SNP_P1_71426_30149318	NC_021163.1	Ca_kabuli_chr04	30149318	TT	CC	1940297228
SNP_P1_71427_30149705	NC_021163.1	Ca_kabuli_chr04	30149705	TT	AA	1940297229
SNP_P1_71428_30150135	NC_021163.1	Ca_kabuli_chr04	30150135	AA	TT	1940297231
SNP_P1_71429_30150392	NC_021163.1	Ca_kabuli_chr04	30150392	GG	TT	1940297233
SNP_P1_71431_30152236	NC_021163.1	Ca_kabuli_chr04	30152236	TT	CC	1940297235
SNP_P1_71432_30152485	NC_021163.1	Ca_kabuli_chr04	30152485	AA	TT	1940297236
SNP_P1_71433_30152495	NC_021163.1	Ca_kabuli_chr04	30152495	AA	TT	1940297238
SNP_P1_71434_30152531	NC_021163.1	Ca_kabuli_chr04	30152531	GG	AA	1940297239
SNP_P1_71435_30152739	NC_021163.1	Ca_kabuli_chr04	30152739	AA	GG	1940297241
SNP_P1_71436_30152959	NC_021163.1	Ca_kabuli_chr04	30152959	CC	TT	1940297243
SNP_P1_71437_30170072	NC_021163.1	Ca_kabuli_chr04	30170072	TT	CC	1940297244
SNP_P1_71439_30170932	NC_021163.1	Ca_kabuli_chr04	30170932	TT	CC	1940297246
SNP_P1_71440_30171014	NC_021163.1	Ca_kabuli_chr04	30171014	AA	CC	1940297248
SNP_P1_71441_30171038	NC_021163.1	Ca_kabuli_chr04	30171038	TT	AA	1940297249
SNP_P1_71442_30171185	NC_021163.1	Ca_kabuli_chr04	30171185	CC	TT	1940297251
SNP_P1_71443_30171206	NC_021163.1	Ca_kabuli_chr04	30171206	GG	AA	1940297253
SNP_P1_71444_30171220	NC_021163.1	Ca_kabuli_chr04	30171220	GG	AA	1940297254
SNP_P1_71445_30171237	NC_021163.1	Ca_kabuli_chr04	30171237	AA	CC	1940297256
SNP_P1_71446_30171241	NC_021163.1	Ca_kabuli_chr04	30171241	CC	GG	1940297258
SNP_P1_71447_30171299	NC_021163.1	Ca_kabuli_chr04	30171299	AA	GG	1940297259
SNP_P1_71448_30171323	NC_021163.1	Ca_kabuli_chr04	30171323	AA	GG	1940297261
SNP_P1_71449_30171404	NC_021163.1	Ca_kabuli_chr04	30171404	AA	TT	1940297263
SNP_P1_71450_30171512	NC_021163.1	Ca_kabuli_chr04	30171512	TT	GG	1940297264
SNP_P1_71451_30171659	NC_021163.1	Ca_kabuli_chr04	30171659	AA	GG	1940297266
SNP_P1_71452_30171671	NC_021163.1	Ca_kabuli_chr04	30171671	TT	CC	1940297267
SNP_P1_71453_30171681	NC_021163.1	Ca_kabuli_chr04	30171681	AA	CC	1940297269
SNP_P1_71454_30171713	NC_021163.1	Ca_kabuli_chr04	30171713	TT	CC	1940297271
SNP_P1_71456_30171837	NC_021163.1	Ca_kabuli_chr04	30171837	GG	AA	1940297272
SNP_P1_71457_30171902	NC_021163.1	Ca_kabuli_chr04	30171902	CC	GG	1940297274
SNP_P1_71458_30171974	NC_021163.1	Ca_kabuli_chr04	30171974	AA	TT	1940297276
SNP_P1_71459_30171977	NC_021163.1	Ca_kabuli_chr04	30171977	TT	CC	1940297277
SNP_P1_71460_30171978	NC_021163.1	Ca_kabuli_chr04	30171978	TT	CC	1940297279
SNP_P1_71462_30172144	NC_021163.1	Ca_kabuli_chr04	30172144	AA	GG	1940297281
SNP_P1_71463_30172214	NC_021163.1	Ca_kabuli_chr04	30172214	GG	AA	1940297282
SNP_P1_71464_30172227	NC_021163.1	Ca_kabuli_chr04	30172227	GG	AA	1940297284
SNP_P1_71466_30172346	NC_021163.1	Ca_kabuli_chr04	30172346	GG	AA	1940297286
SNP_P1_71467_30172464	NC_021163.1	Ca_kabuli_chr04	30172464	CC	AA	1940297288

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71470_30172660	NC_021163.1	Ca_kabuli_chr04	30172660	GG	TT	1940297292
SNP_P1_71471_30172739	NC_021163.1	Ca_kabuli_chr04	30172739	CC	AA	1940297294
SNP_P1_71472_30172742	NC_021163.1	Ca_kabuli_chr04	30172742	TT	AA	1940297296
SNP_P1_71473_30172785	NC_021163.1	Ca_kabuli_chr04	30172785	GG	AA	1940297297
SNP_P1_71474_30172787	NC_021163.1	Ca_kabuli_chr04	30172787	GG	AA	1940297299
SNP_P1_71475_30175800	NC_021163.1	Ca_kabuli_chr04	30175800	GG	AA	1940297301
SNP_P1_71476_30175858	NC_021163.1	Ca_kabuli_chr04	30175858	GG	AA	1940297302
SNP_P1_71477_30175859	NC_021163.1	Ca_kabuli_chr04	30175859	TT	CC	1940297304
SNP_P1_71478_30175883	NC_021163.1	Ca_kabuli_chr04	30175883	GG	AA	1940297306
SNP_P1_71479_30175884	NC_021163.1	Ca_kabuli_chr04	30175884	TT	CC	1940297308
SNP_P1_71480_30175889	NC_021163.1	Ca_kabuli_chr04	30175889	GG	AA	1940297309
SNP_P1_71481_30175997	NC_021163.1	Ca_kabuli_chr04	30175997	GG	AA	1940297311
SNP_P1_71482_30176022	NC_021163.1	Ca_kabuli_chr04	30176022	AA	GG	1940297313
SNP_P1_71483_30176026	NC_021163.1	Ca_kabuli_chr04	30176026	AA	CC	1940297314
SNP_P1_71484_30176046	NC_021163.1	Ca_kabuli_chr04	30176046	GG	AA	1940297316
SNP_P1_71485_30176053	NC_021163.1	Ca_kabuli_chr04	30176053	TT	AA	1940297318
SNP_P1_71486_30176109	NC_021163.1	Ca_kabuli_chr04	30176109	TT	CC	1940297319
SNP_P1_71487_30176165	NC_021163.1	Ca_kabuli_chr04	30176165	AA	CC	1940297321
SNP_P1_71488_30176180	NC_021163.1	Ca_kabuli_chr04	30176180	AA	TT	1940297323
SNP_P1_71489_30176228	NC_021163.1	Ca_kabuli_chr04	30176228	TT	CC	1940297325
SNP_P1_71490_30176229	NC_021163.1	Ca_kabuli_chr04	30176229	GG	AA	1940297326
SNP_P1_71491_30176344	NC_021163.1	Ca_kabuli_chr04	30176344	TT	CC	1940297328
SNP_P1_71492_30176349	NC_021163.1	Ca_kabuli_chr04	30176349	CC	TT	1940297330
SNP_P1_71493_30176490	NC_021163.1	Ca_kabuli_chr04	30176490	CC	TT	1940297331
SNP_P1_71494_30176512	NC_021163.1	Ca_kabuli_chr04	30176512	CC	TT	1940297333
SNP_P1_71495_30176825	NC_021163.1	Ca_kabuli_chr04	30176825	AA	GG	1940297335
SNP_P1_71496_30177135	NC_021163.1	Ca_kabuli_chr04	30177135	TT	CC	1940297336
SNP_P1_71497_30177945	NC_021163.1	Ca_kabuli_chr04	30177945	CC	GG	1940297338
SNP_P1_71498_30178084	NC_021163.1	Ca_kabuli_chr04	30178084	GG	AA	1940297340
SNP_P1_71499_30178089	NC_021163.1	Ca_kabuli_chr04	30178089	TT	AA	1940297341
SNP_P1_71500_30178091	NC_021163.1	Ca_kabuli_chr04	30178091	TT	CC	1940297343
SNP_P1_71501_30178093	NC_021163.1	Ca_kabuli_chr04	30178093	CC	AA	1940297345
SNP_P1_71502_30178201	NC_021163.1	Ca_kabuli_chr04	30178201	AA	GG	1940297346
SNP_P1_71503_30178207	NC_021163.1	Ca_kabuli_chr04	30178207	TT	GG	1940297348
SNP_P1_71504_30178222	NC_021163.1	Ca_kabuli_chr04	30178222	GG	TT	1940297350
SNP_P1_71505_30178274	NC_021163.1	Ca_kabuli_chr04	30178274	CC	TT	1940297351
SNP_P1_71506_30178278	NC_021163.1	Ca_kabuli_chr04	30178278	AA	GG	1940297353
SNP_P1_71507_30178334	NC_021163.1	Ca_kabuli_chr04	30178334	TT	GG	1940297355
SNP_P1_71508_30178359	NC_021163.1	Ca_kabuli_chr04	30178359	CC	TT	1940297356
SNP_P1_71509_30178389	NC_021163.1	Ca_kabuli_chr04	30178389	GG	AA	1940297358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71512_30178667	NC_021163.1	Ca_kabuli_chr04	30178667	CC	TT	1940297361
SNP_P1_71513_30178670	NC_021163.1	Ca_kabuli_chr04	30178670	GG	TT	1940297363
SNP_P1_71514_30178712	NC_021163.1	Ca_kabuli_chr04	30178712	GG	TT	1940297365
SNP_P1_71515_30178885	NC_021163.1	Ca_kabuli_chr04	30178885	CC	TT	1940297366
SNP_P1_71516_30178888	NC_021163.1	Ca_kabuli_chr04	30178888	TT	GG	1940297368
SNP_P1_71517_30179067	NC_021163.1	Ca_kabuli_chr04	30179067	CC	TT	1940297369
SNP_P1_71518_30179091	NC_021163.1	Ca_kabuli_chr04	30179091	AA	GG	1940297371
SNP_P1_71519_30179092	NC_021163.1	Ca_kabuli_chr04	30179092	GG	AA	1940297373
SNP_P1_71520_30179109	NC_021163.1	Ca_kabuli_chr04	30179109	CC	TT	1940297375
SNP_P1_71521_30179134	NC_021163.1	Ca_kabuli_chr04	30179134	GG	AA	1940297376
SNP_P1_71525_30180549	NC_021163.1	Ca_kabuli_chr04	30180549	CC	GG	1940297378
SNP_P1_71526_30180630	NC_021163.1	Ca_kabuli_chr04	30180630	TT	GG	1940297380
SNP_P1_71527_30184281	NC_021163.1	Ca_kabuli_chr04	30184281	CC	TT	1940297381
SNP_P1_71528_30184284	NC_021163.1	Ca_kabuli_chr04	30184284	TT	CC	1940297383
SNP_P1_71529_30184313	NC_021163.1	Ca_kabuli_chr04	30184313	GG	AA	1940297384
SNP_P1_71530_30184330	NC_021163.1	Ca_kabuli_chr04	30184330	TT	CC	1940297386
SNP_P1_71531_30184513	NC_021163.1	Ca_kabuli_chr04	30184513	TT	AA	1940297388
SNP_P1_71533_30184558	NC_021163.1	Ca_kabuli_chr04	30184558	AA	GG	1940297389
SNP_P1_71534_30184603	NC_021163.1	Ca_kabuli_chr04	30184603	CC	TT	1940297391
SNP_P1_71535_30184868	NC_021163.1	Ca_kabuli_chr04	30184868	TT	GG	1940297393
SNP_P1_71536_30184876	NC_021163.1	Ca_kabuli_chr04	30184876	CC	GG	1940297394
SNP_P1_71537_30185264	NC_021163.1	Ca_kabuli_chr04	30185264	GG	AA	1940297396
SNP_P1_71538_30185321	NC_021163.1	Ca_kabuli_chr04	30185321	AA	TT	1940297398
SNP_P1_71539_30185330	NC_021163.1	Ca_kabuli_chr04	30185330	TT	GG	1940297399
SNP_P1_71540_30185536	NC_021163.1	Ca_kabuli_chr04	30185536	AA	GG	1940297401
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SNP_P1_71543_30187730	NC_021163.1	Ca_kabuli_chr04	30187730	AA	GG	1940297404
SNP_P1_71544_30187765	NC_021163.1	Ca_kabuli_chr04	30187765	GG	AA	1940297406
SNP_P1_71546_30188041	NC_021163.1	Ca_kabuli_chr04	30188041	AA	CC	1940297408
SNP_P1_71547_30188052	NC_021163.1	Ca_kabuli_chr04	30188052	CC	TT	1940297409
SNP_P1_71548_30188081	NC_021163.1	Ca_kabuli_chr04	30188081	TT	CC	1940297411
SNP_P1_71549_30188085	NC_021163.1	Ca_kabuli_chr04	30188085	TT	GG	1940297413
SNP_P1_71550_30188122	NC_021163.1	Ca_kabuli_chr04	30188122	GG	TT	1940297414
SNP_P1_71551_30188128	NC_021163.1	Ca_kabuli_chr04	30188128	GG	AA	1940297416
SNP_P1_71552_30188141	NC_021163.1	Ca_kabuli_chr04	30188141	AA	GG	1940297418
SNP_P1_71553_30188346	NC_021163.1	Ca_kabuli_chr04	30188346	TT	CC	1940297419
SNP_P1_71554_30188516	NC_021163.1	Ca_kabuli_chr04	30188516	AA	CC	1940297421
SNP_P1_71555_30188612	NC_021163.1	Ca_kabuli_chr04	30188612	TT	AA	1940297423
SNP_P1_71556_30188629	NC_021163.1	Ca_kabuli_chr04	30188629	CC	TT	1940297424
SNP_P1_71557_30188773	NC_021163.1	Ca_kabuli_chr04	30188773	TT	AA	1940297426
SNP_P1_71558_30188785	NC_021163.1	Ca_kabuli_chr04	30188785	GG	AA	1940297428

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71560_30188824	NC_021163.1	Ca_kabuli_chr04	30188824	GG	TT	1940297431
SNP_P1_71561_30188829	NC_021163.1	Ca_kabuli_chr04	30188829	AA	GG	1940297433
SNP_P1_71562_30188887	NC_021163.1	Ca_kabuli_chr04	30188887	CC	TT	1940297434
SNP_P1_71563_30189034	NC_021163.1	Ca_kabuli_chr04	30189034	GG	AA	1940297436
SNP_P1_71564_30189084	NC_021163.1	Ca_kabuli_chr04	30189084	AA	GG	1940297438
SNP_P1_71565_30189086	NC_021163.1	Ca_kabuli_chr04	30189086	AA	GG	1940297439
SNP_P1_71566_30189687	NC_021163.1	Ca_kabuli_chr04	30189687	CC	AA	1940297441
SNP_P1_71567_30189716	NC_021163.1	Ca_kabuli_chr04	30189716	CC	AA	1940297442
SNP_P1_71568_30190053	NC_021163.1	Ca_kabuli_chr04	30190053	GG	AA	1940297445
SNP_P1_71569_30190054	NC_021163.1	Ca_kabuli_chr04	30190054	AA	GG	1940297446
SNP_P1_71570_30190061	NC_021163.1	Ca_kabuli_chr04	30190061	TT	CC	1940297448
SNP_P1_71571_30191173	NC_021163.1	Ca_kabuli_chr04	30191173	AA	TT	1940297450
SNP_P1_71572_30191275	NC_021163.1	Ca_kabuli_chr04	30191275	CC	AA	1940297451
SNP_P1_71573_30191478	NC_021163.1	Ca_kabuli_chr04	30191478	AA	CC	1940297453
SNP_P1_71574_30192256	NC_021163.1	Ca_kabuli_chr04	30192256	CC	TT	1940297455
SNP_P1_71575_30192534	NC_021163.1	Ca_kabuli_chr04	30192534	TT	CC	1940297457
SNP_P1_71576_30192607	NC_021163.1	Ca_kabuli_chr04	30192607	AA	GG	1940297458
SNP_P1_71577_30192734	NC_021163.1	Ca_kabuli_chr04	30192734	CC	TT	1940297460
SNP_P1_71578_30192736	NC_021163.1	Ca_kabuli_chr04	30192736	AA	GG	1940297462
SNP_P1_71579_30193053	NC_021163.1	Ca_kabuli_chr04	30193053	TT	CC	1940297463
SNP_P1_71580_30193094	NC_021163.1	Ca_kabuli_chr04	30193094	AA	CC	1940297465
SNP_P1_71581_30194168	NC_021163.1	Ca_kabuli_chr04	30194168	TT	CC	1940297467
SNP_P1_71582_30194550	NC_021163.1	Ca_kabuli_chr04	30194550	TT	CC	1940297469
SNP_P1_71584_30194750	NC_021163.1	Ca_kabuli_chr04	30194750	AA	CC	1940297470
SNP_P1_71585_30194821	NC_021163.1	Ca_kabuli_chr04	30194821	TT	CC	1940297472
SNP_P1_71586_30194823	NC_021163.1	Ca_kabuli_chr04	30194823	GG	AA	1940297474
SNP_P1_71587_30194837	NC_021163.1	Ca_kabuli_chr04	30194837	CC	TT	1940297475
SNP_P1_71589_30195069	NC_021163.1	Ca_kabuli_chr04	30195069	CC	TT	1940297477
SNP_P1_71590_30195301	NC_021163.1	Ca_kabuli_chr04	30195301	TT	CC	1940297479
SNP_P1_71591_30195410	NC_021163.1	Ca_kabuli_chr04	30195410	CC	AA	1940297480
SNP_P1_71592_30195417	NC_021163.1	Ca_kabuli_chr04	30195417	GG	CC	1940297482
SNP_P1_71593_30195444	NC_021163.1	Ca_kabuli_chr04	30195444	CC	AA	1940297484
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SNP_P1_71595_30197087	NC_021163.1	Ca_kabuli_chr04	30197087	GG	AA	1940297487
SNP_P1_71596_30197096	NC_021163.1	Ca_kabuli_chr04	30197096	AA	CC	1940297489
SNP_P1_71597_30197107	NC_021163.1	Ca_kabuli_chr04	30197107	AA	GG	1940297490
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SNP_P1_71600_30197991	NC_021163.1	Ca_kabuli_chr04	30197991	TT	CC	1940297496
SNP_P1_71601_30198012	NC_021163.1	Ca_kabuli_chr04	30198012	AA	CC	1940297497
SNP_P1_71602_30198037	NC_021163.1	Ca_kabuli_chr04	30198037	TT	AA	1940297499

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71605_30199662	NC_021163.1	Ca_kabuli_chr04	30199662	TT	CC	1940297502
SNP_P1_71606_30199670	NC_021163.1	Ca_kabuli_chr04	30199670	AA	GG	1940297504
SNP_P1_71607_30199674	NC_021163.1	Ca_kabuli_chr04	30199674	GG	AA	1940297506
SNP_P1_71608_30199686	NC_021163.1	Ca_kabuli_chr04	30199686	TT	CC	1940297507
SNP_P1_71609_30199708	NC_021163.1	Ca_kabuli_chr04	30199708	AA	CC	1940297509
SNP_P1_71610_30200773	NC_021163.1	Ca_kabuli_chr04	30200773	GG	TT	1940297511
SNP_P1_71612_30200824	NC_021163.1	Ca_kabuli_chr04	30200824	AA	GG	1940297512
SNP_P1_71613_30200964	NC_021163.1	Ca_kabuli_chr04	30200964	TT	AA	1940297514
SNP_P1_71614_30200978	NC_021163.1	Ca_kabuli_chr04	30200978	CC	TT	1940297516
SNP_P1_71615_30201192	NC_021163.1	Ca_kabuli_chr04	30201192	AA	GG	1940297518
SNP_P1_71617_30201768	NC_021163.1	Ca_kabuli_chr04	30201768	CC	AA	1940297519
SNP_P1_71618_30201771	NC_021163.1	Ca_kabuli_chr04	30201771	TT	GG	1940297521
SNP_P1_71619_30201975	NC_021163.1	Ca_kabuli_chr04	30201975	AA	CC	1940297522
SNP_P1_71620_30201978	NC_021163.1	Ca_kabuli_chr04	30201978	TT	CC	1940297524
SNP_P1_71621_30202122	NC_021163.1	Ca_kabuli_chr04	30202122	TT	AA	1940297526
SNP_P1_71622_30203884	NC_021163.1	Ca_kabuli_chr04	30203884	AA	GG	1940297527
SNP_P1_71623_30203886	NC_021163.1	Ca_kabuli_chr04	30203886	TT	CC	1940297529
SNP_P1_71624_30204260	NC_021163.1	Ca_kabuli_chr04	30204260	GG	CC	1940297531
SNP_P1_71625_30204280	NC_021163.1	Ca_kabuli_chr04	30204280	AA	TT	1940297532
SNP_P1_71626_30204300	NC_021163.1	Ca_kabuli_chr04	30204300	AA	GG	1940297534
SNP_P1_71627_30204303	NC_021163.1	Ca_kabuli_chr04	30204303	GG	AA	1940297536
SNP_P1_71628_30204308	NC_021163.1	Ca_kabuli_chr04	30204308	GG	CC	1940297538
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SNP_P1_71630_30204334	NC_021163.1	Ca_kabuli_chr04	30204334	GG	TT	1940297541
SNP_P1_71631_30204403	NC_021163.1	Ca_kabuli_chr04	30204403	CC	TT	1940297542
SNP_P1_71632_30204517	NC_021163.1	Ca_kabuli_chr04	30204517	TT	GG	1940297544
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SNP_P1_71634_30204984	NC_021163.1	Ca_kabuli_chr04	30204984	GG	AA	1940297547
SNP_P1_71635_30205546	NC_021163.1	Ca_kabuli_chr04	30205546	TT	AA	1940297549
SNP_P1_71636_30205560	NC_021163.1	Ca_kabuli_chr04	30205560	AA	GG	1940297551
SNP_P1_71637_30205586	NC_021163.1	Ca_kabuli_chr04	30205586	TT	AA	1940297552
SNP_P1_71639_30206941	NC_021163.1	Ca_kabuli_chr04	30206941	GG	TT	1940297554
SNP_P1_71640_30207068	NC_021163.1	Ca_kabuli_chr04	30207068	GG	CC	1940297556
SNP_P1_71641_30207070	NC_021163.1	Ca_kabuli_chr04	30207070	AA	GG	1940297557
SNP_P1_71643_30207302	NC_021163.1	Ca_kabuli_chr04	30207302	GG	AA	1940297559
SNP_P1_71644_30207340	NC_021163.1	Ca_kabuli_chr04	30207340	CC	TT	1940297561
SNP_P1_71645_30207352	NC_021163.1	Ca_kabuli_chr04	30207352	AA	CC	1940297562
SNP_P1_71646_30207354	NC_021163.1	Ca_kabuli_chr04	30207354	GG	AA	1940297564
SNP_P1_71647_30207367	NC_021163.1	Ca_kabuli_chr04	30207367	CC	AA	1940297566
SNP_P1_71648_30207377	NC_021163.1	Ca_kabuli_chr04	30207377	GG	TT	1940297567
SNP_P1_71649_30207459	NC_021163.1	Ca_kabuli_chr04	30207459	AA	GG	1940297569

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71655_30211689	NC_021163.1	Ca_kabuli_chr04	30211689	CC	TT	1940297574
SNP_P1_71656_30211746	NC_021163.1	Ca_kabuli_chr04	30211746	GG	AA	1940297576
SNP_P1_71657_30211785	NC_021163.1	Ca_kabuli_chr04	30211785	AA	GG	1940297577
SNP_P1_71658_30211898	NC_021163.1	Ca_kabuli_chr04	30211898	AA	TT	1940297579
SNP_P1_71659_30212245	NC_021163.1	Ca_kabuli_chr04	30212245	AA	TT	1940297581
SNP_P1_71661_30214012	NC_021163.1	Ca_kabuli_chr04	30214012	TT	CC	1940297582
SNP_P1_71662_30216186	NC_021163.1	Ca_kabuli_chr04	30216186	GG	TT	1940297584
SNP_P1_71663_30216190	NC_021163.1	Ca_kabuli_chr04	30216190	CC	TT	1940297586
SNP_P1_71664_30220904	NC_021163.1	Ca_kabuli_chr04	30220904	TT	CC	1940297587
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SNP_P1_71666_30225572	NC_021163.1	Ca_kabuli_chr04	30225572	TT	AA	1940297591
SNP_P1_71667_30226212	NC_021163.1	Ca_kabuli_chr04	30226212	GG	AA	1940297592
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SNP_P1_71670_30227064	NC_021163.1	Ca_kabuli_chr04	30227064	CC	TT	1940297596
SNP_P1_71671_30227750	NC_021163.1	Ca_kabuli_chr04	30227750	AA	GG	1940297598
SNP_P1_71672_30228598	NC_021163.1	Ca_kabuli_chr04	30228598	TT	CC	1940297599
SNP_P1_71673_30228728	NC_021163.1	Ca_kabuli_chr04	30228728	CC	TT	1940297601
SNP_P1_71674_30228931	NC_021163.1	Ca_kabuli_chr04	30228931	GG	AA	1940297603
SNP_P1_71676_30237365	NC_021163.1	Ca_kabuli_chr04	30237365	TT	CC	1940297604
SNP_P1_71677_30237413	NC_021163.1	Ca_kabuli_chr04	30237413	TT	AA	1940297606
SNP_P1_71679_30242037	NC_021163.1	Ca_kabuli_chr04	30242037	CC	TT	1940297608
SNP_P1_71680_30245786	NC_021163.1	Ca_kabuli_chr04	30245786	GG	TT	1940297609
SNP_P1_71681_30251088	NC_021163.1	Ca_kabuli_chr04	30251088	CC	TT	1940297611
SNP_P1_71682_30251096	NC_021163.1	Ca_kabuli_chr04	30251096	TT	CC	1940297612
SNP_P1_71683_30251108	NC_021163.1	Ca_kabuli_chr04	30251108	AA	GG	1940297614
SNP_P1_71684_30251145	NC_021163.1	Ca_kabuli_chr04	30251145	TT	CC	1940297616
SNP_P1_71687_30267289	NC_021163.1	Ca_kabuli_chr04	30267289	GG	TT	1940297617
SNP_P1_71688_30267767	NC_021163.1	Ca_kabuli_chr04	30267767	AA	GG	1940297619
SNP_P1_71689_30267838	NC_021163.1	Ca_kabuli_chr04	30267838	CC	AA	1940297621
SNP_P1_71690_30267852	NC_021163.1	Ca_kabuli_chr04	30267852	AA	GG	1940297622
SNP_P1_71691_30268087	NC_021163.1	Ca_kabuli_chr04	30268087	GG	AA	1940297624
SNP_P1_71692_30276680	NC_021163.1	Ca_kabuli_chr04	30276680	CC	TT	1940297626
SNP_P1_71693_30277125	NC_021163.1	Ca_kabuli_chr04	30277125	CC	GG	1940297627
SNP_P1_71694_30278622	NC_021163.1	Ca_kabuli_chr04	30278622	TT	GG	1940297629
SNP_P1_71695_30279102	NC_021163.1	Ca_kabuli_chr04	30279102	CC	TT	1940297631
SNP_P1_71696_30279441	NC_021163.1	Ca_kabuli_chr04	30279441	CC	TT	1940297632
SNP_P1_71697_30279892	NC_021163.1	Ca_kabuli_chr04	30279892	AA	GG	1940297634
SNP_P1_71698_30286155	NC_021163.1	Ca_kabuli_chr04	30286155	AA	TT	1940297635
SNP_P1_71699_30286561	NC_021163.1	Ca_kabuli_chr04	30286561	TT	GG	1940297637
SNP_P1_71700_30286777	NC_021163.1	Ca_kabuli_chr04	30286777	CC	AA	1940297639

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71702_30288238	NC_021163.1	Ca_kabuli_chr04	30288238	GG	AA	1940297642
SNP_P1_71703_30292965	NC_021163.1	Ca_kabuli_chr04	30292965	CC	TT	1940297644
SNP_P1_71704_30293515	NC_021163.1	Ca_kabuli_chr04	30293515	GG	AA	1940297646
SNP_P1_71705_30296406	NC_021163.1	Ca_kabuli_chr04	30296406	CC	TT	1940297647
SNP_P1_71706_30297858	NC_021163.1	Ca_kabuli_chr04	30297858	CC	TT	1940297649
SNP_P1_71707_30310180	NC_021163.1	Ca_kabuli_chr04	30310180	TT	CC	1940297651
SNP_P1_71709_30317952	NC_021163.1	Ca_kabuli_chr04	30317952	CC	AA	1940297652
SNP_P1_71710_30317953	NC_021163.1	Ca_kabuli_chr04	30317953	TT	AA	1940297654
SNP_P1_71711_30318294	NC_021163.1	Ca_kabuli_chr04	30318294	AA	TT	1940297656
SNP_P1_71712_30321042	NC_021163.1	Ca_kabuli_chr04	30321042	CC	TT	1940297657
SNP_P1_71713_30322866	NC_021163.1	Ca_kabuli_chr04	30322866	GG	AA	1940297659
SNP_P1_71714_30324968	NC_021163.1	Ca_kabuli_chr04	30324968	TT	CC	1940297661
SNP_P1_71715_30325067	NC_021163.1	Ca_kabuli_chr04	30325067	AA	GG	1940297662
SNP_P1_71717_30330603	NC_021163.1	Ca_kabuli_chr04	30330603	AA	CC	1940297664
SNP_P1_71718_30330604	NC_021163.1	Ca_kabuli_chr04	30330604	TT	AA	1940297666
SNP_P1_71720_30332689	NC_021163.1	Ca_kabuli_chr04	30332689	CC	TT	1940297667
SNP_P1_71722_30334005	NC_021163.1	Ca_kabuli_chr04	30334005	AA	GG	1940297669
SNP_P1_71723_30336212	NC_021163.1	Ca_kabuli_chr04	30336212	AA	GG	1940297671
SNP_P1_71724_30336644	NC_021163.1	Ca_kabuli_chr04	30336644	TT	CC	1940297672
SNP_P1_71725_30338526	NC_021163.1	Ca_kabuli_chr04	30338526	TT	GG	1940297674
SNP_P1_71726_30342994	NC_021163.1	Ca_kabuli_chr04	30342994	AA	GG	1940297676
SNP_P1_71727_30348299	NC_021163.1	Ca_kabuli_chr04	30348299	CC	TT	1940297678
SNP_P1_71729_30351930	NC_021163.1	Ca_kabuli_chr04	30351930	TT	AA	1940297679
SNP_P1_71730_30352177	NC_021163.1	Ca_kabuli_chr04	30352177	AA	GG	1940297681
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SNP_P1_71733_30358955	NC_021163.1	Ca_kabuli_chr04	30358955	CC	TT	1940297686
SNP_P1_71735_30365673	NC_021163.1	Ca_kabuli_chr04	30365673	CC	AA	1940297687
SNP_P1_71736_30368207	NC_021163.1	Ca_kabuli_chr04	30368207	TT	CC	1940297689
SNP_P1_71737_30369181	NC_021163.1	Ca_kabuli_chr04	30369181	GG	AA	1940297691
SNP_P1_71738_30370099	NC_021163.1	Ca_kabuli_chr04	30370099	GG	AA	1940297692
SNP_P1_71739_30370344	NC_021163.1	Ca_kabuli_chr04	30370344	CC	AA	1940297694
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SNP_P1_71741_30373287	NC_021163.1	Ca_kabuli_chr04	30373287	GG	AA	1940297697
SNP_P1_71742_30373432	NC_021163.1	Ca_kabuli_chr04	30373432	AA	CC	1940297699
SNP_P1_71743_30376885	NC_021163.1	Ca_kabuli_chr04	30376885	TT	CC	1940297701
SNP_P1_71744_30377350	NC_021163.1	Ca_kabuli_chr04	30377350	AA	GG	1940297702
SNP_P1_71745_30377583	NC_021163.1	Ca_kabuli_chr04	30377583	CC	TT	1940297704
SNP_P1_71746_30377597	NC_021163.1	Ca_kabuli_chr04	30377597	GG	AA	1940297706
SNP_P1_71747_30377717	NC_021163.1	Ca_kabuli_chr04	30377717	AA	GG	1940297707
SNP_P1_71748_30379086	NC_021163.1	Ca_kabuli_chr04	30379086	TT	CC	1940297709

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71750_30379297	NC_021163.1	Ca_kabuli_chr04	30379297	AA	GG	1940297712
SNP_P1_71751_30380825	NC_021163.1	Ca_kabuli_chr04	30380825	CC	TT	1940297714
SNP_P1_71752_30388119	NC_021163.1	Ca_kabuli_chr04	30388119	GG	TT	1940297716
SNP_P1_71753_30390642	NC_021163.1	Ca_kabuli_chr04	30390642	CC	TT	1940297718
SNP_P1_71755_30390717	NC_021163.1	Ca_kabuli_chr04	30390717	GG	TT	1940297719
SNP_P1_71756_30398521	NC_021163.1	Ca_kabuli_chr04	30398521	AA	GG	1940297721
SNP_P1_71757_30398634	NC_021163.1	Ca_kabuli_chr04	30398634	AA	GG	1940297723
SNP_P1_71758_30398650	NC_021163.1	Ca_kabuli_chr04	30398650	AA	CC	1940297724
SNP_P1_71759_30398763	NC_021163.1	Ca_kabuli_chr04	30398763	AA	GG	1940297726
SNP_P1_71760_30398803	NC_021163.1	Ca_kabuli_chr04	30398803	AA	GG	1940297729
SNP_P1_71761_30398817	NC_021163.1	Ca_kabuli_chr04	30398817	TT	CC	1940297730
SNP_P1_71762_30398877	NC_021163.1	Ca_kabuli_chr04	30398877	AA	GG	1940297732
SNP_P1_71763_30398918	NC_021163.1	Ca_kabuli_chr04	30398918	TT	CC	1940297733
SNP_P1_71764_30398936	NC_021163.1	Ca_kabuli_chr04	30398936	GG	CC	1940297735
SNP_P1_71766_30403489	NC_021163.1	Ca_kabuli_chr04	30403489	AA	GG	1940297737
SNP_P1_71767_30403771	NC_021163.1	Ca_kabuli_chr04	30403771	GG	AA	1940297738
SNP_P1_71770_30405123	NC_021163.1	Ca_kabuli_chr04	30405123	CC	TT	1940297740
SNP_P1_71771_30406118	NC_021163.1	Ca_kabuli_chr04	30406118	AA	CC	1940297742
SNP_P1_71772_30406125	NC_021163.1	Ca_kabuli_chr04	30406125	GG	CC	1940297744
SNP_P1_71773_30406194	NC_021163.1	Ca_kabuli_chr04	30406194	CC	AA	1940297745
SNP_P1_71774_30406371	NC_021163.1	Ca_kabuli_chr04	30406371	CC	TT	1940297747
SNP_P1_71775_30406372	NC_021163.1	Ca_kabuli_chr04	30406372	AA	CC	1940297749
SNP_P1_71776_30406383	NC_021163.1	Ca_kabuli_chr04	30406383	AA	GG	1940297751
SNP_P1_71777_30407181	NC_021163.1	Ca_kabuli_chr04	30407181	TT	AA	1940297752
SNP_P1_71778_30407408	NC_021163.1	Ca_kabuli_chr04	30407408	TT	AA	1940297754
SNP_P1_71779_30408540	NC_021163.1	Ca_kabuli_chr04	30408540	GG	AA	1940297756
SNP_P1_71780_30408578	NC_021163.1	Ca_kabuli_chr04	30408578	CC	TT	1940297758
SNP_P1_71781_30408601	NC_021163.1	Ca_kabuli_chr04	30408601	AA	GG	1940297759
SNP_P1_71783_30409117	NC_021163.1	Ca_kabuli_chr04	30409117	CC	TT	1940297761
SNP_P1_71784_30413516	NC_021163.1	Ca_kabuli_chr04	30413516	GG	AA	1940297763
SNP_P1_71785_30413597	NC_021163.1	Ca_kabuli_chr04	30413597	TT	GG	1940297765
SNP_P1_71786_30413606	NC_021163.1	Ca_kabuli_chr04	30413606	AA	CC	1940297766
SNP_P1_71787_30413625	NC_021163.1	Ca_kabuli_chr04	30413625	CC	AA	1940297768
SNP_P1_71788_30413798	NC_021163.1	Ca_kabuli_chr04	30413798	GG	AA	1940297770
SNP_P1_71789_30414600	NC_021163.1	Ca_kabuli_chr04	30414600	AA	GG	1940297771
SNP_P1_71791_30418408	NC_021163.1	Ca_kabuli_chr04	30418408	TT	CC	1940297773
SNP_P1_71792_30419680	NC_021163.1	Ca_kabuli_chr04	30419680	TT	AA	1940297775
SNP_P1_71793_30419953	NC_021163.1	Ca_kabuli_chr04	30419953	CC	TT	1940297776
SNP_P1_71794_30420029	NC_021163.1	Ca_kabuli_chr04	30420029	TT	CC	1940297778
SNP_P1_71795_30420040	NC_021163.1	Ca_kabuli_chr04	30420040	AA	CC	1940297780
SNP_P1_71796_30420317	NC_021163.1	Ca_kabuli_chr04	30420317	AA	TT	1940297781

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71798_30420784	NC_021163.1	Ca_kabuli_chr04	30420784	CC	TT	1940297785
SNP_P1_71799_30420853	NC_021163.1	Ca_kabuli_chr04	30420853	CC	TT	1940297786
SNP_P1_71800_30421284	NC_021163.1	Ca_kabuli_chr04	30421284	CC	AA	1940297788
SNP_P1_71801_30421577	NC_021163.1	Ca_kabuli_chr04	30421577	TT	AA	1940297790
SNP_P1_71802_30421835	NC_021163.1	Ca_kabuli_chr04	30421835	TT	AA	1940297792
SNP_P1_71803_30421864	NC_021163.1	Ca_kabuli_chr04	30421864	AA	TT	1940297793
SNP_P1_71804_30421876	NC_021163.1	Ca_kabuli_chr04	30421876	TT	CC	1940297795
SNP_P1_71805_30421986	NC_021163.1	Ca_kabuli_chr04	30421986	TT	AA	1940297796
SNP_P1_71806_30422208	NC_021163.1	Ca_kabuli_chr04	30422208	GG	AA	1940297798
SNP_P1_71807_30422233	NC_021163.1	Ca_kabuli_chr04	30422233	AA	CC	1940297800
SNP_P1_71808_30422240	NC_021163.1	Ca_kabuli_chr04	30422240	AA	TT	1940297801
SNP_P1_71809_30422279	NC_021163.1	Ca_kabuli_chr04	30422279	TT	CC	1940297803
SNP_P1_71810_30422472	NC_021163.1	Ca_kabuli_chr04	30422472	GG	AA	1940297805
SNP_P1_71812_30422713	NC_021163.1	Ca_kabuli_chr04	30422713	TT	AA	1940297806
SNP_P1_71813_30422803	NC_021163.1	Ca_kabuli_chr04	30422803	TT	AA	1940297808
SNP_P1_71814_30422885	NC_021163.1	Ca_kabuli_chr04	30422885	AA	GG	1940297810
SNP_P1_71815_30423039	NC_021163.1	Ca_kabuli_chr04	30423039	TT	CC	1940297811
SNP_P1_71816_30423062	NC_021163.1	Ca_kabuli_chr04	30423062	GG	AA	1940297813
SNP_P1_71818_30423166	NC_021163.1	Ca_kabuli_chr04	30423166	AA	CC	1940297815
SNP_P1_71819_30423751	NC_021163.1	Ca_kabuli_chr04	30423751	TT	CC	1940297817
SNP_P1_71820_30423757	NC_021163.1	Ca_kabuli_chr04	30423757	TT	CC	1940297818
SNP_P1_71821_30423776	NC_021163.1	Ca_kabuli_chr04	30423776	GG	AA	1940297820
SNP_P1_71822_30423781	NC_021163.1	Ca_kabuli_chr04	30423781	AA	GG	1940297822
SNP_P1_71823_30424032	NC_021163.1	Ca_kabuli_chr04	30424032	GG	AA	1940297823
SNP_P1_71825_30425041	NC_021163.1	Ca_kabuli_chr04	30425041	CC	TT	1940297825
SNP_P1_71826_30425042	NC_021163.1	Ca_kabuli_chr04	30425042	AA	GG	1940297826
SNP_P1_71827_30425055	NC_021163.1	Ca_kabuli_chr04	30425055	TT	CC	1940297828
SNP_P1_71828_30425252	NC_021163.1	Ca_kabuli_chr04	30425252	GG	TT	1940297830
SNP_P1_71829_30425406	NC_021163.1	Ca_kabuli_chr04	30425406	CC	TT	1940297832
SNP_P1_71830_30425425	NC_021163.1	Ca_kabuli_chr04	30425425	AA	GG	1940297834
SNP_P1_71831_30425827	NC_021163.1	Ca_kabuli_chr04	30425827	AA	GG	1940297835
SNP_P1_71832_30426068	NC_021163.1	Ca_kabuli_chr04	30426068	TT	AA	1940297837
SNP_P1_71833_30426393	NC_021163.1	Ca_kabuli_chr04	30426393	AA	GG	1940297839
SNP_P1_71835_30429386	NC_021163.1	Ca_kabuli_chr04	30429386	AA	GG	1940297840
SNP_P1_71836_30429391	NC_021163.1	Ca_kabuli_chr04	30429391	AA	GG	1940297842
SNP_P1_71837_30429554	NC_021163.1	Ca_kabuli_chr04	30429554	GG	AA	1940297844
SNP_P1_71838_30429575	NC_021163.1	Ca_kabuli_chr04	30429575	TT	CC	1940297845
SNP_P1_71839_30429972	NC_021163.1	Ca_kabuli_chr04	30429972	CC	TT	1940297847
SNP_P1_71841_30431894	NC_021163.1	Ca_kabuli_chr04	30431894	AA	GG	1940297849
SNP_P1_71843_30435248	NC_021163.1	Ca_kabuli_chr04	30435248	GG	AA	1940297851
SNP_P1_71844_30437919	NC_021163.1	Ca_kabuli_chr04	30437919	TT	GG	1940297852

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_71846_30448038	NC_021163.1	Ca_kabuli_chr04	30448038	GG	TT	1940297856
SNP_P1_71847_30451216	NC_021163.1	Ca_kabuli_chr04	30451216	TT	AA	1940297857
SNP_P1_71848_30451217	NC_021163.1	Ca_kabuli_chr04	30451217	AA	TT	1940297859
SNP_P1_71849_30451219	NC_021163.1	Ca_kabuli_chr04	30451219	CC	AA	1940297860
SNP_P1_71850_30451321	NC_021163.1	Ca_kabuli_chr04	30451321	GG	AA	1940297862
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SNP_P1_71852_30453309	NC_021163.1	Ca_kabuli_chr04	30453309	TT	GG	1940297865
SNP_P1_71853_30454224	NC_021163.1	Ca_kabuli_chr04	30454224	CC	TT	1940297867
SNP_P1_71854_30454234	NC_021163.1	Ca_kabuli_chr04	30454234	AA	GG	1940297869
SNP_P1_71856_30454508	NC_021163.1	Ca_kabuli_chr04	30454508	AA	GG	1940297871
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SNP_P1_71866_30463930	NC_021163.1	Ca_kabuli_chr04	30463930	AA	GG	1940297878
SNP_P1_71867_30464073	NC_021163.1	Ca_kabuli_chr04	30464073	TT	CC	1940297880
SNP_P1_71868_30464189	NC_021163.1	Ca_kabuli_chr04	30464189	GG	AA	1940297881
SNP_P1_71869_30464381	NC_021163.1	Ca_kabuli_chr04	30464381	CC	GG	1940297883
SNP_P1_71871_30464600	NC_021163.1	Ca_kabuli_chr04	30464600	AA	GG	1940297885
SNP_P1_71873_30465357	NC_021163.1	Ca_kabuli_chr04	30465357	CC	TT	1940297887
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SNP_P1_71875_30465504	NC_021163.1	Ca_kabuli_chr04	30465504	AA	GG	1940297890
SNP_P1_71876_30466474	NC_021163.1	Ca_kabuli_chr04	30466474	GG	AA	1940297892
SNP_P1_71877_30466482	NC_021163.1	Ca_kabuli_chr04	30466482	CC	AA	1940297894
SNP_P1_71878_30466750	NC_021163.1	Ca_kabuli_chr04	30466750	TT	AA	1940297895
SNP_P1_71879_30467982	NC_021163.1	Ca_kabuli_chr04	30467982	TT	CC	1940297897
SNP_P1_71881_30468021	NC_021163.1	Ca_kabuli_chr04	30468021	CC	TT	1940297899
SNP_P1_71882_30468199	NC_021163.1	Ca_kabuli_chr04	30468199	GG	AA	1940297901
SNP_P1_71884_30468318	NC_021163.1	Ca_kabuli_chr04	30468318	AA	GG	1940297903
SNP_P1_71885_30468327	NC_021163.1	Ca_kabuli_chr04	30468327	AA	CC	1940297904
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SNP_P1_71888_30470099	NC_021163.1	Ca_kabuli_chr04	30470099	GG	TT	1940297907
SNP_P1_71889_30470105	NC_021163.1	Ca_kabuli_chr04	30470105	TT	GG	1940297909
SNP_P1_71890_30470325	NC_021163.1	Ca_kabuli_chr04	30470325	CC	TT	1940297910
SNP_P1_71891_30470357	NC_021163.1	Ca_kabuli_chr04	30470357	AA	GG	1940297912
SNP_P1_71892_30470746	NC_021163.1	Ca_kabuli_chr04	30470746	TT	CC	1940297914
SNP_P1_71893_30471338	NC_021163.1	Ca_kabuli_chr04	30471338	CC	TT	1940297916
SNP_P1_71894_30471339	NC_021163.1	Ca_kabuli_chr04	30471339	GG	CC	1940297917
SNP_P1_71896_30471372	NC_021163.1	Ca_kabuli_chr04	30471372	TT	CC	1940297919
SNP_P1_71897_30476830	NC_021163.1	Ca_kabuli_chr04	30476830	AA	GG	1940297921
SNP_P1_71898_30476841	NC_021163.1	Ca_kabuli_chr04	30476841	AA	GG	1940297922
SNP_P1_71899_30476853	NC_021163.1	Ca_kabuli_chr04	30476853	AA	GG	1940297924

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_71900_30476855	NC_021163.1	Ca_kabuli_chr04	30476855	AA	GG	1940297925
SNP_P1_71901_30476872	NC_021163.1	Ca_kabuli_chr04	30476872	GG	AA	1940297927
SNP_P1_71902_30476878	NC_021163.1	Ca_kabuli_chr04	30476878	GG	AA	1940297929
SNP_P1_71903_30476879	NC_021163.1	Ca_kabuli_chr04	30476879	AA	GG	1940297930
SNP_P1_71904_30476889	NC_021163.1	Ca_kabuli_chr04	30476889	TT	CC	1940297932
SNP_P1_71905_30476903	NC_021163.1	Ca_kabuli_chr04	30476903	CC	AA	1940297933
SNP_P1_71906_30477024	NC_021163.1	Ca_kabuli_chr04	30477024	GG	AA	1940297935
SNP_P1_71907_30477026	NC_021163.1	Ca_kabuli_chr04	30477026	AA	TT	1940297937
SNP_P1_71908_30477029	NC_021163.1	Ca_kabuli_chr04	30477029	CC	TT	1940297938
SNP_P1_71909_30477031	NC_021163.1	Ca_kabuli_chr04	30477031	AA	GG	1940297940
SNP_P1_71910_30477032	NC_021163.1	Ca_kabuli_chr04	30477032	GG	TT	1940297942
SNP_P1_71911_30477504	NC_021163.1	Ca_kabuli_chr04	30477504	GG	AA	1940297943
SNP_P1_71912_30477538	NC_021163.1	Ca_kabuli_chr04	30477538	AA	GG	1940297945
SNP_P1_71914_30478728	NC_021163.1	Ca_kabuli_chr04	30478728	CC	TT	1940297947
SNP_P1_71915_30480229	NC_021163.1	Ca_kabuli_chr04	30480229	AA	TT	1940297948
SNP_P1_71916_30480276	NC_021163.1	Ca_kabuli_chr04	30480276	GG	AA	1940297950
SNP_P1_71917_30480698	NC_021163.1	Ca_kabuli_chr04	30480698	AA	GG	1940297952
SNP_P1_71918_30480963	NC_021163.1	Ca_kabuli_chr04	30480963	TT	GG	1940297953
SNP_P1_71919_30487123	NC_021163.1	Ca_kabuli_chr04	30487123	GG	AA	1940297955
SNP_P1_71920_30495531	NC_021163.1	Ca_kabuli_chr04	30495531	CC	TT	1940297957
SNP_P1_71921_30495577	NC_021163.1	Ca_kabuli_chr04	30495577	CC	TT	1940297959
SNP_P1_71922_30495607	NC_021163.1	Ca_kabuli_chr04	30495607	GG	TT	1940297960
SNP_P1_71923_30495760	NC_021163.1	Ca_kabuli_chr04	30495760	CC	TT	1940297962
SNP_P1_71924_30495935	NC_021163.1	Ca_kabuli_chr04	30495935	GG	AA	1940297964
SNP_P1_71925_30497201	NC_021163.1	Ca_kabuli_chr04	30497201	TT	CC	1940297965
SNP_P1_71926_30498128	NC_021163.1	Ca_kabuli_chr04	30498128	TT	AA	1940297967
SNP_P1_71927_30498838	NC_021163.1	Ca_kabuli_chr04	30498838	TT	AA	1940297969
SNP_P1_71928_30498849	NC_021163.1	Ca_kabuli_chr04	30498849	AA	GG	1940297970
SNP_P1_71929_30498898	NC_021163.1	Ca_kabuli_chr04	30498898	TT	CC	1940297972
SNP_P1_71930_30499066	NC_021163.1	Ca_kabuli_chr04	30499066	TT	CC	1940297974
SNP_P1_71931_30499068	NC_021163.1	Ca_kabuli_chr04	30499068	GG	TT	1940297975
SNP_P1_71935_30505021	NC_021163.1	Ca_kabuli_chr04	30505021	AA	GG	1940297977
SNP_P1_71936_30506004	NC_021163.1	Ca_kabuli_chr04	30506004	GG	AA	1940297979
SNP_P1_71937_30508140	NC_021163.1	Ca_kabuli_chr04	30508140	AA	CC	1940297981
SNP_P1_71938_30508292	NC_021163.1	Ca_kabuli_chr04	30508292	AA	GG	1940297982
SNP_P1_71939_30508644	NC_021163.1	Ca_kabuli_chr04	30508644	AA	TT	1940297984
SNP_P1_71940_30510180	NC_021163.1	Ca_kabuli_chr04	30510180	TT	CC	1940297986
SNP_P1_71941_30510406	NC_021163.1	Ca_kabuli_chr04	30510406	GG	TT	1940297987
SNP_P1_71942_30510411	NC_021163.1	Ca_kabuli_chr04	30510411	CC	TT	1940297989
SNP_P1_71943_30510420	NC_021163.1	Ca_kabuli_chr04	30510420	GG	AA	1940297991
SNP_P1_71944_30518845	NC_021163.1	Ca_kabuli_chr04	30518845	TT	CC	1940297992
SNP_P1_71945_30520011	NC_021163.1	Ca_kabuli_chr04	30520011	TT	CC	1940297994

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_71946_30521064	NC_021163.1	Ca_kabuli_chr04	30521064	TT	GG	1940297996
SNP_P1_71947_30521115	NC_021163.1	Ca_kabuli_chr04	30521115	TT	CC	1940297997
SNP_P1_71948_30521185	NC_021163.1	Ca_kabuli_chr04	30521185	AA	GG	1940297999
SNP_P1_71949_30521194	NC_021163.1	Ca_kabuli_chr04	30521194	TT	AA	1940298001
SNP_P1_71950_30521275	NC_021163.1	Ca_kabuli_chr04	30521275	AA	TT	1940298003
SNP_P1_71951_30521409	NC_021163.1	Ca_kabuli_chr04	30521409	TT	CC	1940298005
SNP_P1_71952_30521893	NC_021163.1	Ca_kabuli_chr04	30521893	TT	CC	1940298006
SNP_P1_71953_30522226	NC_021163.1	Ca_kabuli_chr04	30522226	CC	TT	1940298008
SNP_P1_71954_30522291	NC_021163.1	Ca_kabuli_chr04	30522291	GG	AA	1940298010
SNP_P1_71955_30527051	NC_021163.1	Ca_kabuli_chr04	30527051	AA	GG	1940298011
SNP_P1_71956_30527355	NC_021163.1	Ca_kabuli_chr04	30527355	AA	GG	1940298013
SNP_P1_71957_30527618	NC_021163.1	Ca_kabuli_chr04	30527618	GG	CC	1940298015
SNP_P1_71959_30528295	NC_021163.1	Ca_kabuli_chr04	30528295	GG	AA	1940298016
SNP_P1_71960_30529574	NC_021163.1	Ca_kabuli_chr04	30529574	CC	AA	1940298018
SNP_P1_71961_30531132	NC_021163.1	Ca_kabuli_chr04	30531132	AA	TT	1940298020
SNP_P1_71962_30534343	NC_021163.1	Ca_kabuli_chr04	30534343	CC	TT	1940298021
SNP_P1_71963_30534472	NC_021163.1	Ca_kabuli_chr04	30534472	AA	CC	1940298023
SNP_P1_71964_30534621	NC_021163.1	Ca_kabuli_chr04	30534621	TT	AA	1940298025
SNP_P1_71967_30535768	NC_021163.1	Ca_kabuli_chr04	30535768	AA	GG	1940298026
SNP_P1_71968_30535820	NC_021163.1	Ca_kabuli_chr04	30535820	AA	GG	1940298028
SNP_P1_71970_30536004	NC_021163.1	Ca_kabuli_chr04	30536004	CC	TT	1940298030
SNP_P1_71971_30536366	NC_021163.1	Ca_kabuli_chr04	30536366	AA	GG	1940298032
SNP_P1_71973_30537134	NC_021163.1	Ca_kabuli_chr04	30537134	TT	GG	1940298034
SNP_P1_71974_30537349	NC_021163.1	Ca_kabuli_chr04	30537349	CC	TT	1940298035
SNP_P1_71975_30537482	NC_021163.1	Ca_kabuli_chr04	30537482	AA	GG	1940298037
SNP_P1_71977_30537740	NC_021163.1	Ca_kabuli_chr04	30537740	CC	TT	1940298039
SNP_P1_71978_30537764	NC_021163.1	Ca_kabuli_chr04	30537764	CC	AA	1940298040
SNP_P1_71980_30538533	NC_021163.1	Ca_kabuli_chr04	30538533	CC	TT	1940298042
SNP_P1_71981_30538580	NC_021163.1	Ca_kabuli_chr04	30538580	AA	GG	1940298044
SNP_P1_71982_30538934	NC_021163.1	Ca_kabuli_chr04	30538934	GG	CC	1940298045
SNP_P1_71983_30538964	NC_021163.1	Ca_kabuli_chr04	30538964	CC	AA	1940298047
SNP_P1_71984_30539048	NC_021163.1	Ca_kabuli_chr04	30539048	AA	GG	1940298049
SNP_P1_71985_30539049	NC_021163.1	Ca_kabuli_chr04	30539049	AA	GG	1940298050
SNP_P1_71986_30539053	NC_021163.1	Ca_kabuli_chr04	30539053	GG	CC	1940298052
SNP_P1_71987_30539062	NC_021163.1	Ca_kabuli_chr04	30539062	TT	GG	1940298054
SNP_P1_71988_30539154	NC_021163.1	Ca_kabuli_chr04	30539154	GG	AA	1940298055
SNP_P1_71989_30539162	NC_021163.1	Ca_kabuli_chr04	30539162	CC	TT	1940298057
SNP_P1_71990_30539175	NC_021163.1	Ca_kabuli_chr04	30539175	GG	AA	1940298059
SNP_P1_71991_30539198	NC_021163.1	Ca_kabuli_chr04	30539198	TT	CC	1940298060
SNP_P1_71992_30539301	NC_021163.1	Ca_kabuli_chr04	30539301	GG	AA	1940298062
SNP_P1_71993_30539306	NC_021163.1	Ca_kabuli_chr04	30539306	GG	AA	1940298063
SNP_P1_71994_30539313	NC_021163.1	Ca_kabuli_chr04	30539313	TT	GG	1940298064

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_71995_30539353	NC_021163.1	Ca_kabuli_chr04	30539353	GG	AA	1940298065
SNP_P1_71996_30539369	NC_021163.1	Ca_kabuli_chr04	30539369	GG	AA	1940298066
SNP_P1_71997_30539412	NC_021163.1	Ca_kabuli_chr04	30539412	GG	AA	1940298067
SNP_P1_71998_30539416	NC_021163.1	Ca_kabuli_chr04	30539416	GG	CC	1940298068
SNP_P1_71999_30539430	NC_021163.1	Ca_kabuli_chr04	30539430	TT	CC	1940298069
SNP_P1_72000_30539545	NC_021163.1	Ca_kabuli_chr04	30539545	CC	AA	1940298070
SNP_P1_72001_30539584	NC_021163.1	Ca_kabuli_chr04	30539584	TT	GG	1940298071
SNP_P1_72002_30539630	NC_021163.1	Ca_kabuli_chr04	30539630	GG	AA	1940298072
SNP_P1_72003_30539634	NC_021163.1	Ca_kabuli_chr04	30539634	AA	CC	1940298073
SNP_P1_72004_30539707	NC_021163.1	Ca_kabuli_chr04	30539707	AA	CC	1940298074
SNP_P1_72005_30540704	NC_021163.1	Ca_kabuli_chr04	30540704	TT	AA	1940298075
SNP_P1_72006_30540780	NC_021163.1	Ca_kabuli_chr04	30540780	TT	CC	1940298076
SNP_P1_72007_30540847	NC_021163.1	Ca_kabuli_chr04	30540847	TT	GG	1940298078
SNP_P1_72008_30540932	NC_021163.1	Ca_kabuli_chr04	30540932	GG	AA	1940298080
SNP_P1_72009_30540954	NC_021163.1	Ca_kabuli_chr04	30540954	CC	TT	1940298081
SNP_P1_72010_30541034	NC_021163.1	Ca_kabuli_chr04	30541034	CC	TT	1940298083
SNP_P1_72011_30541158	NC_021163.1	Ca_kabuli_chr04	30541158	TT	AA	1940298084
SNP_P1_72012_30541308	NC_021163.1	Ca_kabuli_chr04	30541308	CC	TT	1940298086
SNP_P1_72013_30541352	NC_021163.1	Ca_kabuli_chr04	30541352	AA	GG	1940298088
SNP_P1_72014_30541371	NC_021163.1	Ca_kabuli_chr04	30541371	GG	AA	1940298089
SNP_P1_72015_30541374	NC_021163.1	Ca_kabuli_chr04	30541374	CC	TT	1940298091
SNP_P1_72016_30541400	NC_021163.1	Ca_kabuli_chr04	30541400	CC	GG	1940298093
SNP_P1_72017_30541418	NC_021163.1	Ca_kabuli_chr04	30541418	TT	AA	1940298094
SNP_P1_72018_30541444	NC_021163.1	Ca_kabuli_chr04	30541444	GG	AA	1940298096
SNP_P1_72019_30541497	NC_021163.1	Ca_kabuli_chr04	30541497	TT	CC	1940298098
SNP_P1_72020_30541598	NC_021163.1	Ca_kabuli_chr04	30541598	CC	TT	1940298099
SNP_P1_72021_30541607	NC_021163.1	Ca_kabuli_chr04	30541607	AA	GG	1940298101
SNP_P1_72022_30541634	NC_021163.1	Ca_kabuli_chr04	30541634	AA	GG	1940298103
SNP_P1_72023_30541645	NC_021163.1	Ca_kabuli_chr04	30541645	GG	AA	1940298105
SNP_P1_72024_30541656	NC_021163.1	Ca_kabuli_chr04	30541656	TT	CC	1940298106
SNP_P1_72025_30541657	NC_021163.1	Ca_kabuli_chr04	30541657	TT	CC	1940298108
SNP_P1_72026_30541736	NC_021163.1	Ca_kabuli_chr04	30541736	GG	AA	1940298109
SNP_P1_72027_30541791	NC_021163.1	Ca_kabuli_chr04	30541791	TT	CC	1940298111
SNP_P1_72028_30541795	NC_021163.1	Ca_kabuli_chr04	30541795	CC	TT	1940298113
SNP_P1_72029_30541812	NC_021163.1	Ca_kabuli_chr04	30541812	AA	GG	1940298115
SNP_P1_72030_30541818	NC_021163.1	Ca_kabuli_chr04	30541818	AA	GG	1940298116
SNP_P1_72031_30541866	NC_021163.1	Ca_kabuli_chr04	30541866	AA	GG	1940298118
SNP_P1_72032_30541868	NC_021163.1	Ca_kabuli_chr04	30541868	AA	GG	1940298119
SNP_P1_72033_30541918	NC_021163.1	Ca_kabuli_chr04	30541918	CC	AA	1940298121
SNP_P1_72034_30541936	NC_021163.1	Ca_kabuli_chr04	30541936	AA	GG	1940298123
SNP_P1_72035_30541961	NC_021163.1	Ca_kabuli_chr04	30541961	GG	AA	1940298124
SNP_P1_72036_30541998	NC_021163.1	Ca_kabuli_chr04	30541998	AA	CC	1940298126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_72037_30542003	NC_021163.1	Ca_kabuli_chr04	30542003	TT	CC	1940298128
SNP_P1_72038_30542004	NC_021163.1	Ca_kabuli_chr04	30542004	TT	AA	1940298129
SNP_P1_72039_30542063	NC_021163.1	Ca_kabuli_chr04	30542063	AA	TT	1940298131
SNP_P1_72040_30542074	NC_021163.1	Ca_kabuli_chr04	30542074	TT	CC	1940298133
SNP_P1_72041_30542076	NC_021163.1	Ca_kabuli_chr04	30542076	CC	AA	1940298135
SNP_P1_72042_30542090	NC_021163.1	Ca_kabuli_chr04	30542090	AA	GG	1940298136
SNP_P1_72043_30542109	NC_021163.1	Ca_kabuli_chr04	30542109	AA	CC	1940298138
SNP_P1_72044_30542124	NC_021163.1	Ca_kabuli_chr04	30542124	TT	AA	1940298139
SNP_P1_72046_30542184	NC_021163.1	Ca_kabuli_chr04	30542184	CC	TT	1940298141
SNP_P1_72047_30542288	NC_021163.1	Ca_kabuli_chr04	30542288	CC	AA	1940298143
SNP_P1_72048_30542428	NC_021163.1	Ca_kabuli_chr04	30542428	AA	GG	1940298144
SNP_P1_72049_30542541	NC_021163.1	Ca_kabuli_chr04	30542541	TT	GG	1940298146
SNP_P1_72050_30542598	NC_021163.1	Ca_kabuli_chr04	30542598	GG	AA	1940298148
SNP_P1_72051_30542611	NC_021163.1	Ca_kabuli_chr04	30542611	GG	CC	1940298149
SNP_P1_72052_30542638	NC_021163.1	Ca_kabuli_chr04	30542638	TT	CC	1940298151
SNP_P1_72053_30542640	NC_021163.1	Ca_kabuli_chr04	30542640	TT	GG	1940298153
SNP_P1_72054_30542659	NC_021163.1	Ca_kabuli_chr04	30542659	CC	TT	1940298155
SNP_P1_72055_30542702	NC_021163.1	Ca_kabuli_chr04	30542702	GG	TT	1940298156
SNP_P1_72056_30542765	NC_021163.1	Ca_kabuli_chr04	30542765	GG	AA	1940298158
SNP_P1_72057_30542778	NC_021163.1	Ca_kabuli_chr04	30542778	GG	AA	1940298159
SNP_P1_72058_30542815	NC_021163.1	Ca_kabuli_chr04	30542815	AA	CC	1940298161
SNP_P1_72059_30542905	NC_021163.1	Ca_kabuli_chr04	30542905	CC	GG	1940298163
SNP_P1_72060_30543039	NC_021163.1	Ca_kabuli_chr04	30543039	AA	GG	1940298164
SNP_P1_72061_30543048	NC_021163.1	Ca_kabuli_chr04	30543048	AA	GG	1940298166
SNP_P1_72062_30543053	NC_021163.1	Ca_kabuli_chr04	30543053	GG	TT	1940298168
SNP_P1_72063_30543156	NC_021163.1	Ca_kabuli_chr04	30543156	GG	AA	1940298169
SNP_P1_72064_30543159	NC_021163.1	Ca_kabuli_chr04	30543159	AA	GG	1940298171
SNP_P1_72065_30543170	NC_021163.1	Ca_kabuli_chr04	30543170	GG	AA	1940298173
SNP_P1_72066_30543173	NC_021163.1	Ca_kabuli_chr04	30543173	AA	GG	1940298174
SNP_P1_72067_30543208	NC_021163.1	Ca_kabuli_chr04	30543208	AA	CC	1940298176
SNP_P1_72068_30543229	NC_021163.1	Ca_kabuli_chr04	30543229	CC	TT	1940298178
SNP_P1_72069_30543313	NC_021163.1	Ca_kabuli_chr04	30543313	AA	GG	1940298179
SNP_P1_72070_30543482	NC_021163.1	Ca_kabuli_chr04	30543482	AA	GG	1940298181
SNP_P1_72072_30543761	NC_021163.1	Ca_kabuli_chr04	30543761	GG	CC	1940298183
SNP_P1_72073_30543799	NC_021163.1	Ca_kabuli_chr04	30543799	CC	TT	1940298184
SNP_P1_72074_30543803	NC_021163.1	Ca_kabuli_chr04	30543803	GG	AA	1940298186
SNP_P1_72075_30543867	NC_021163.1	Ca_kabuli_chr04	30543867	GG	TT	1940298188
SNP_P1_72076_30544027	NC_021163.1	Ca_kabuli_chr04	30544027	GG	CC	1940298189
SNP_P1_72077_30544047	NC_021163.1	Ca_kabuli_chr04	30544047	GG	AA	1940298191
SNP_P1_72078_30544180	NC_021163.1	Ca_kabuli_chr04	30544180	CC	TT	1940298193
SNP_P1_72079_30544188	NC_021163.1	Ca_kabuli_chr04	30544188	CC	TT	1940298194
SNP_P1_72080_30544231	NC_021163.1	Ca_kabuli_chr04	30544231	AA	GG	1940298196

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72082_30544282	NC_021163.1	Ca_kabuli_chr04	30544282	CC	TT	1940298199
SNP_P1_72083_30544300	NC_021163.1	Ca_kabuli_chr04	30544300	AA	CC	1940298201
SNP_P1_72084_30544481	NC_021163.1	Ca_kabuli_chr04	30544481	CC	TT	1940298202
SNP_P1_72085_30544486	NC_021163.1	Ca_kabuli_chr04	30544486	CC	TT	1940298204
SNP_P1_72086_30544545	NC_021163.1	Ca_kabuli_chr04	30544545	GG	AA	1940298206
SNP_P1_72087_30544574	NC_021163.1	Ca_kabuli_chr04	30544574	AA	CC	1940298207
SNP_P1_72088_30544619	NC_021163.1	Ca_kabuli_chr04	30544619	GG	AA	1940298209
SNP_P1_72089_30544621	NC_021163.1	Ca_kabuli_chr04	30544621	AA	CC	1940298211
SNP_P1_72090_30544627	NC_021163.1	Ca_kabuli_chr04	30544627	TT	GG	1940298212
SNP_P1_72091_30545478	NC_021163.1	Ca_kabuli_chr04	30545478	AA	TT	1940298214
SNP_P1_72092_30545487	NC_021163.1	Ca_kabuli_chr04	30545487	TT	CC	1940298215
SNP_P1_72093_30545518	NC_021163.1	Ca_kabuli_chr04	30545518	CC	TT	1940298217
SNP_P1_72095_30546181	NC_021163.1	Ca_kabuli_chr04	30546181	GG	TT	1940298219
SNP_P1_72096_30546358	NC_021163.1	Ca_kabuli_chr04	30546358	CC	TT	1940298220
SNP_P1_72097_30546379	NC_021163.1	Ca_kabuli_chr04	30546379	TT	CC	1940298222
SNP_P1_72098_30546452	NC_021163.1	Ca_kabuli_chr04	30546452	CC	TT	1940298224
SNP_P1_72099_30546464	NC_021163.1	Ca_kabuli_chr04	30546464	TT	GG	1940298225
SNP_P1_72100_30546488	NC_021163.1	Ca_kabuli_chr04	30546488	AA	GG	1940298227
SNP_P1_72101_30546501	NC_021163.1	Ca_kabuli_chr04	30546501	CC	AA	1940298229
SNP_P1_72102_30546502	NC_021163.1	Ca_kabuli_chr04	30546502	CC	TT	1940298230
SNP_P1_72103_30546514	NC_021163.1	Ca_kabuli_chr04	30546514	GG	AA	1940298232
SNP_P1_72104_30546526	NC_021163.1	Ca_kabuli_chr04	30546526	AA	GG	1940298234
SNP_P1_72105_30546566	NC_021163.1	Ca_kabuli_chr04	30546566	CC	TT	1940298235
SNP_P1_72106_30546579	NC_021163.1	Ca_kabuli_chr04	30546579	GG	AA	1940298237
SNP_P1_72107_30546594	NC_021163.1	Ca_kabuli_chr04	30546594	TT	GG	1940298238
SNP_P1_72108_30546613	NC_021163.1	Ca_kabuli_chr04	30546613	AA	TT	1940298240
SNP_P1_72109_30546646	NC_021163.1	Ca_kabuli_chr04	30546646	AA	TT	1940298242
SNP_P1_72110_30546666	NC_021163.1	Ca_kabuli_chr04	30546666	TT	GG	1940298243
SNP_P1_72111_30546684	NC_021163.1	Ca_kabuli_chr04	30546684	AA	GG	1940298245
SNP_P1_72112_30546688	NC_021163.1	Ca_kabuli_chr04	30546688	TT	AA	1940298247
SNP_P1_72113_30546695	NC_021163.1	Ca_kabuli_chr04	30546695	CC	TT	1940298248
SNP_P1_72114_30546701	NC_021163.1	Ca_kabuli_chr04	30546701	CC	TT	1940298250
SNP_P1_72115_30546702	NC_021163.1	Ca_kabuli_chr04	30546702	CC	TT	1940298252
SNP_P1_72116_30546716	NC_021163.1	Ca_kabuli_chr04	30546716	TT	CC	1940298253
SNP_P1_72117_30546780	NC_021163.1	Ca_kabuli_chr04	30546780	AA	CC	1940298255
SNP_P1_72118_30546795	NC_021163.1	Ca_kabuli_chr04	30546795	CC	TT	1940298257
SNP_P1_72119_30546872	NC_021163.1	Ca_kabuli_chr04	30546872	TT	GG	1940298258
SNP_P1_72120_30547168	NC_021163.1	Ca_kabuli_chr04	30547168	CC	GG	1940298260
SNP_P1_72121_30548178	NC_021163.1	Ca_kabuli_chr04	30548178	TT	CC	1940298262
SNP_P1_72122_30548374	NC_021163.1	Ca_kabuli_chr04	30548374	CC	AA	1940298263
SNP_P1_72123_30548392	NC_021163.1	Ca_kabuli_chr04	30548392	AA	TT	1940298265

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72126_30548788	NC_021163.1	Ca_kabuli_chr04	30548788	GG	AA	1940298270
SNP_P1_72127_30549082	NC_021163.1	Ca_kabuli_chr04	30549082	CC	TT	1940298271
SNP_P1_72128_30549098	NC_021163.1	Ca_kabuli_chr04	30549098	AA	GG	1940298273
SNP_P1_72129_30549246	NC_021163.1	Ca_kabuli_chr04	30549246	CC	TT	1940298275
SNP_P1_72130_30549549	NC_021163.1	Ca_kabuli_chr04	30549549	TT	CC	1940298276
SNP_P1_72131_30549565	NC_021163.1	Ca_kabuli_chr04	30549565	TT	CC	1940298278
SNP_P1_72132_30550012	NC_021163.1	Ca_kabuli_chr04	30550012	GG	AA	1940298280
SNP_P1_72133_30550013	NC_021163.1	Ca_kabuli_chr04	30550013	GG	TT	1940298281
SNP_P1_72134_30550557	NC_021163.1	Ca_kabuli_chr04	30550557	AA	CC	1940298283
SNP_P1_72135_30551420	NC_021163.1	Ca_kabuli_chr04	30551420	TT	CC	1940298284
SNP_P1_72136_30551717	NC_021163.1	Ca_kabuli_chr04	30551717	TT	CC	1940298286
SNP_P1_72138_30553850	NC_021163.1	Ca_kabuli_chr04	30553850	AA	GG	1940298288
SNP_P1_72139_30553904	NC_021163.1	Ca_kabuli_chr04	30553904	AA	GG	1940298289
SNP_P1_72140_30554089	NC_021163.1	Ca_kabuli_chr04	30554089	TT	CC	1940298291
SNP_P1_72141_30554894	NC_021163.1	Ca_kabuli_chr04	30554894	AA	CC	1940298293
SNP_P1_72142_30554901	NC_021163.1	Ca_kabuli_chr04	30554901	GG	AA	1940298294
SNP_P1_72143_30556109	NC_021163.1	Ca_kabuli_chr04	30556109	GG	AA	1940298296
SNP_P1_72144_30556124	NC_021163.1	Ca_kabuli_chr04	30556124	CC	TT	1940298298
SNP_P1_72145_30556597	NC_021163.1	Ca_kabuli_chr04	30556597	AA	TT	1940298299
SNP_P1_72146_30556636	NC_021163.1	Ca_kabuli_chr04	30556636	AA	GG	1940298301
SNP_P1_72147_30556723	NC_021163.1	Ca_kabuli_chr04	30556723	GG	CC	1940298303
SNP_P1_72148_30556725	NC_021163.1	Ca_kabuli_chr04	30556725	AA	TT	1940298304
SNP_P1_72149_30557093	NC_021163.1	Ca_kabuli_chr04	30557093	TT	CC	1940298306
SNP_P1_72150_30557390	NC_021163.1	Ca_kabuli_chr04	30557390	AA	GG	1940298308
SNP_P1_72152_30559127	NC_021163.1	Ca_kabuli_chr04	30559127	AA	TT	1940298309
SNP_P1_72153_30559323	NC_021163.1	Ca_kabuli_chr04	30559323	TT	AA	1940298311
SNP_P1_72154_30559401	NC_021163.1	Ca_kabuli_chr04	30559401	AA	GG	1940298313
SNP_P1_72155_30559428	NC_021163.1	Ca_kabuli_chr04	30559428	GG	AA	1940298314
SNP_P1_72156_30559947	NC_021163.1	Ca_kabuli_chr04	30559947	GG	AA	1940298316
SNP_P1_72157_30560194	NC_021163.1	Ca_kabuli_chr04	30560194	TT	CC	1940298317
SNP_P1_72159_30561698	NC_021163.1	Ca_kabuli_chr04	30561698	GG	TT	1940298319
SNP_P1_72160_30565022	NC_021163.1	Ca_kabuli_chr04	30565022	CC	AA	1940298321
SNP_P1_72161_30565184	NC_021163.1	Ca_kabuli_chr04	30565184	TT	CC	1940298322
SNP_P1_72163_30565679	NC_021163.1	Ca_kabuli_chr04	30565679	AA	GG	1940298324
SNP_P1_72164_30565855	NC_021163.1	Ca_kabuli_chr04	30565855	AA	CC	1940298326
SNP_P1_72167_30568302	NC_021163.1	Ca_kabuli_chr04	30568302	GG	AA	1940298327
SNP_P1_72170_30573056	NC_021163.1	Ca_kabuli_chr04	30573056	TT	CC	1940298329
SNP_P1_72171_30573260	NC_021163.1	Ca_kabuli_chr04	30573260	CC	AA	1940298331
SNP_P1_72174_30575208	NC_021163.1	Ca_kabuli_chr04	30575208	TT	GG	1940298332
SNP_P1_72175_30577416	NC_021163.1	Ca_kabuli_chr04	30577416	GG	AA	1940298334

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72177_30577542	NC_021163.1	Ca_kabuli_chr04	30577542	AA	GG	1940298337
SNP_P1_72178_30579835	NC_021163.1	Ca_kabuli_chr04	30579835	TT	GG	1940298339
SNP_P1_72179_30580184	NC_021163.1	Ca_kabuli_chr04	30580184	GG	AA	1940298340
SNP_P1_72180_30580796	NC_021163.1	Ca_kabuli_chr04	30580796	AA	TT	1940298342
SNP_P1_72181_30581423	NC_021163.1	Ca_kabuli_chr04	30581423	TT	AA	1940298344
SNP_P1_72182_30581559	NC_021163.1	Ca_kabuli_chr04	30581559	GG	AA	1940298345
SNP_P1_72184_30581729	NC_021163.1	Ca_kabuli_chr04	30581729	CC	TT	1940298347
SNP_P1_72185_30581948	NC_021163.1	Ca_kabuli_chr04	30581948	AA	CC	1940298349
SNP_P1_72188_30583803	NC_021163.1	Ca_kabuli_chr04	30583803	TT	CC	1940298350
SNP_P1_72189_30583906	NC_021163.1	Ca_kabuli_chr04	30583906	CC	GG	1940298352
SNP_P1_72191_30584237	NC_021163.1	Ca_kabuli_chr04	30584237	CC	TT	1940298354
SNP_P1_72192_30584306	NC_021163.1	Ca_kabuli_chr04	30584306	AA	GG	1940298355
SNP_P1_72193_30584353	NC_021163.1	Ca_kabuli_chr04	30584353	CC	TT	1940298357
SNP_P1_72194_30584359	NC_021163.1	Ca_kabuli_chr04	30584359	AA	GG	1940298359
SNP_P1_72195_30584369	NC_021163.1	Ca_kabuli_chr04	30584369	TT	CC	1940298360
SNP_P1_72196_30584370	NC_021163.1	Ca_kabuli_chr04	30584370	CC	TT	1940298362
SNP_P1_72197_30584373	NC_021163.1	Ca_kabuli_chr04	30584373	GG	AA	1940298364
SNP_P1_72198_30584465	NC_021163.1	Ca_kabuli_chr04	30584465	GG	AA	1940298365
SNP_P1_72199_30584660	NC_021163.1	Ca_kabuli_chr04	30584660	CC	AA	1940298367
SNP_P1_72200_30584831	NC_021163.1	Ca_kabuli_chr04	30584831	AA	CC	1940298369
SNP_P1_72201_30584927	NC_021163.1	Ca_kabuli_chr04	30584927	AA	TT	1940298370
SNP_P1_72203_30585443	NC_021163.1	Ca_kabuli_chr04	30585443	AA	GG	1940298372
SNP_P1_72205_30586268	NC_021163.1	Ca_kabuli_chr04	30586268	TT	CC	1940298374
SNP_P1_72206_30586420	NC_021163.1	Ca_kabuli_chr04	30586420	GG	AA	1940298375
SNP_P1_72207_30586741	NC_021163.1	Ca_kabuli_chr04	30586741	AA	TT	1940298377
SNP_P1_72208_30587161	NC_021163.1	Ca_kabuli_chr04	30587161	CC	TT	1940298378
SNP_P1_72209_30589164	NC_021163.1	Ca_kabuli_chr04	30589164	AA	GG	1940298380
SNP_P1_72210_30589393	NC_021163.1	Ca_kabuli_chr04	30589393	TT	CC	1940298382
SNP_P1_72211_30589798	NC_021163.1	Ca_kabuli_chr04	30589798	TT	GG	1940298383
SNP_P1_72212_30590715	NC_021163.1	Ca_kabuli_chr04	30590715	GG	TT	1940298385
SNP_P1_72213_30591350	NC_021163.1	Ca_kabuli_chr04	30591350	GG	AA	1940298387
SNP_P1_72214_30591581	NC_021163.1	Ca_kabuli_chr04	30591581	AA	GG	1940298388
SNP_P1_72215_30591609	NC_021163.1	Ca_kabuli_chr04	30591609	CC	TT	1940298390
SNP_P1_72216_30592540	NC_021163.1	Ca_kabuli_chr04	30592540	AA	CC	1940298392
SNP_P1_72217_30593553	NC_021163.1	Ca_kabuli_chr04	30593553	CC	TT	1940298393
SNP_P1_72218_30600451	NC_021163.1	Ca_kabuli_chr04	30600451	CC	AA	1940298395
SNP_P1_72219_30600507	NC_021163.1	Ca_kabuli_chr04	30600507	TT	AA	1940298397
SNP_P1_72220_30603322	NC_021163.1	Ca_kabuli_chr04	30603322	TT	CC	1940298398
SNP_P1_72222_30606067	NC_021163.1	Ca_kabuli_chr04	30606067	CC	TT	1940298400
SNP_P1_72223_30606102	NC_021163.1	Ca_kabuli_chr04	30606102	CC	TT	1940298402
SNP_P1_72224_30606204	NC_021163.1	Ca_kabuli_chr04	30606204	TT	AA	1940298403

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72226_30606538	NC_021163.1	Ca_kabuli_chr04	30606538	CC	TT	1940298407
SNP_P1_72227_30607230	NC_021163.1	Ca_kabuli_chr04	30607230	AA	GG	1940298408
SNP_P1_72228_30607701	NC_021163.1	Ca_kabuli_chr04	30607701	CC	TT	1940298410
SNP_P1_72229_30607740	NC_021163.1	Ca_kabuli_chr04	30607740	GG	AA	1940298412
SNP_P1_72230_30607962	NC_021163.1	Ca_kabuli_chr04	30607962	GG	AA	1940298413
SNP_P1_72231_30608967	NC_021163.1	Ca_kabuli_chr04	30608967	AA	GG	1940298415
SNP_P1_72232_30616250	NC_021163.1	Ca_kabuli_chr04	30616250	CC	TT	1940298417
SNP_P1_72233_30617528	NC_021163.1	Ca_kabuli_chr04	30617528	CC	AA	1940298418
SNP_P1_72234_30617540	NC_021163.1	Ca_kabuli_chr04	30617540	CC	TT	1940298420
SNP_P1_72236_30618472	NC_021163.1	Ca_kabuli_chr04	30618472	AA	GG	1940298421
SNP_P1_72238_30619688	NC_021163.1	Ca_kabuli_chr04	30619688	AA	TT	1940298423
SNP_P1_72240_30621752	NC_021163.1	Ca_kabuli_chr04	30621752	TT	CC	1940298425
SNP_P1_72241_30621784	NC_021163.1	Ca_kabuli_chr04	30621784	AA	TT	1940298426
SNP_P1_72242_30621920	NC_021163.1	Ca_kabuli_chr04	30621920	TT	CC	1940298428
SNP_P1_72243_30623574	NC_021163.1	Ca_kabuli_chr04	30623574	CC	TT	1940298430
SNP_P1_72244_30626581	NC_021163.1	Ca_kabuli_chr04	30626581	TT	CC	1940298431
SNP_P1_72245_30627251	NC_021163.1	Ca_kabuli_chr04	30627251	CC	TT	1940298433
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SNP_P1_72255_30635770	NC_021163.1	Ca_kabuli_chr04	30635770	TT	CC	1940298449
SNP_P1_72257_30641768	NC_021163.1	Ca_kabuli_chr04	30641768	TT	CC	1940298451
SNP_P1_72258_30641877	NC_021163.1	Ca_kabuli_chr04	30641877	AA	GG	1940298453
SNP_P1_72259_30647526	NC_021163.1	Ca_kabuli_chr04	30647526	GG	TT	1940298454
SNP_P1_72260_30648703	NC_021163.1	Ca_kabuli_chr04	30648703	GG	TT	1940298456
SNP_P1_72263_30650447	NC_021163.1	Ca_kabuli_chr04	30650447	CC	TT	1940298458
SNP_P1_72264_30651642	NC_021163.1	Ca_kabuli_chr04	30651642	CC	AA	1940298459
SNP_P1_72265_30652804	NC_021163.1	Ca_kabuli_chr04	30652804	TT	CC	1940298461
SNP_P1_72266_30653466	NC_021163.1	Ca_kabuli_chr04	30653466	GG	AA	1940298463
SNP_P1_72267_30653480	NC_021163.1	Ca_kabuli_chr04	30653480	CC	TT	1940298464
SNP_P1_72269_30662087	NC_021163.1	Ca_kabuli_chr04	30662087	TT	AA	1940298466
SNP_P1_72270_30664177	NC_021163.1	Ca_kabuli_chr04	30664177	GG	AA	1940298468
SNP_P1_72271_30671760	NC_021163.1	Ca_kabuli_chr04	30671760	TT	CC	1940298469
SNP_P1_72272_30673458	NC_021163.1	Ca_kabuli_chr04	30673458	AA	TT	1940298471
SNP_P1_72273_30675156	NC_021163.1	Ca_kabuli_chr04	30675156	AA	TT	1940298473

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72276_30688587	NC_021163.1	Ca_kabuli_chr04	30688587	AA	GG	1940298476
SNP_P1_72277_30688901	NC_021163.1	Ca_kabuli_chr04	30688901	GG	AA	1940298478
SNP_P1_72278_30690709	NC_021163.1	Ca_kabuli_chr04	30690709	GG	AA	1940298479
SNP_P1_72282_30693204	NC_021163.1	Ca_kabuli_chr04	30693204	GG	CC	1940298481
SNP_P1_72283_30693784	NC_021163.1	Ca_kabuli_chr04	30693784	AA	CC	1940298482
SNP_P1_72286_30701620	NC_021163.1	Ca_kabuli_chr04	30701620	AA	GG	1940298484
SNP_P1_72287_30705142	NC_021163.1	Ca_kabuli_chr04	30705142	CC	TT	1940298486
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SNP_P1_72289_30706484	NC_021163.1	Ca_kabuli_chr04	30706484	AA	TT	1940298493
SNP_P1_72290_30708745	NC_021163.1	Ca_kabuli_chr04	30708745	GG	AA	1940298494
SNP_P1_72291_30708754	NC_021163.1	Ca_kabuli_chr04	30708754	CC	TT	1940298496
SNP_P1_72292_30708808	NC_021163.1	Ca_kabuli_chr04	30708808	AA	GG	1940298498
SNP_P1_72293_30712219	NC_021163.1	Ca_kabuli_chr04	30712219	CC	AA	1940298499
SNP_P1_72294_30713634	NC_021163.1	Ca_kabuli_chr04	30713634	CC	AA	1940298501
SNP_P1_72296_30716002	NC_021163.1	Ca_kabuli_chr04	30716002	AA	GG	1940298503
SNP_P1_72297_30716015	NC_021163.1	Ca_kabuli_chr04	30716015	CC	TT	1940298504
SNP_P1_72298_30716351	NC_021163.1	Ca_kabuli_chr04	30716351	CC	AA	1940298506
SNP_P1_72299_30716478	NC_021163.1	Ca_kabuli_chr04	30716478	AA	TT	1940298508
SNP_P1_72300_30716774	NC_021163.1	Ca_kabuli_chr04	30716774	AA	GG	1940298509
SNP_P1_72301_30717378	NC_021163.1	Ca_kabuli_chr04	30717378	TT	GG	1940298511
SNP_P1_72302_30717561	NC_021163.1	Ca_kabuli_chr04	30717561	CC	AA	1940298513
SNP_P1_72303_30717651	NC_021163.1	Ca_kabuli_chr04	30717651	CC	TT	1940298514
SNP_P1_72304_30718057	NC_021163.1	Ca_kabuli_chr04	30718057	GG	TT	1940298516
SNP_P1_72305_30718353	NC_021163.1	Ca_kabuli_chr04	30718353	AA	GG	1940298518
SNP_P1_72306_30718491	NC_021163.1	Ca_kabuli_chr04	30718491	AA	TT	1940298519
SNP_P1_72308_30718897	NC_021163.1	Ca_kabuli_chr04	30718897	GG	CC	1940298521
SNP_P1_72309_30718914	NC_021163.1	Ca_kabuli_chr04	30718914	AA	TT	1940298522
SNP_P1_72310_30719029	NC_021163.1	Ca_kabuli_chr04	30719029	CC	TT	1940298524
SNP_P1_72311_30719079	NC_021163.1	Ca_kabuli_chr04	30719079	AA	TT	1940298526
SNP_P1_72312_30719647	NC_021163.1	Ca_kabuli_chr04	30719647	TT	GG	1940298528
SNP_P1_72313_30719648	NC_021163.1	Ca_kabuli_chr04	30719648	TT	AA	1940298529
SNP_P1_72314_30719760	NC_021163.1	Ca_kabuli_chr04	30719760	TT	GG	1940298531
SNP_P1_72315_30720012	NC_021163.1	Ca_kabuli_chr04	30720012	TT	GG	1940298533
SNP_P1_72316_30720276	NC_021163.1	Ca_kabuli_chr04	30720276	CC	TT	1940298534
SNP_P1_72317_30720316	NC_021163.1	Ca_kabuli_chr04	30720316	AA	TT	1940298536
SNP_P1_72318_30720905	NC_021163.1	Ca_kabuli_chr04	30720905	TT	AA	1940298538
SNP_P1_72319_30721736	NC_021163.1	Ca_kabuli_chr04	30721736	GG	TT	1940298539
SNP_P1_72320_30725485	NC_021163.1	Ca_kabuli_chr04	30725485	AA	TT	1940298541
SNP_P1_72321_30727067	NC_021163.1	Ca_kabuli_chr04	30727067	TT	CC	1940298543
SNP_P1_72322_30729055	NC_021163.1	Ca_kabuli_chr04	30729055	AA	GG	1940298544
SNP_P1_72323_30735725	NC_021163.1	Ca_kabuli_chr04	30735725	GG	AA	1940298546

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72326_30739210	NC_021163.1	Ca_kabuli_chr04	30739210	AA	TT	1940298550
SNP_P1_72327_30740209	NC_021163.1	Ca_kabuli_chr04	30740209	GG	AA	1940298551
SNP_P1_72328_30740237	NC_021163.1	Ca_kabuli_chr04	30740237	TT	AA	1940298553
SNP_P1_72329_30741541	NC_021163.1	Ca_kabuli_chr04	30741541	GG	TT	1940298555
SNP_P1_72330_30741904	NC_021163.1	Ca_kabuli_chr04	30741904	TT	CC	1940298556
SNP_P1_72332_30742913	NC_021163.1	Ca_kabuli_chr04	30742913	AA	GG	1940298558
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SNP_P1_72334_30743179	NC_021163.1	Ca_kabuli_chr04	30743179	AA	GG	1940298561
SNP_P1_72335_30744192	NC_021163.1	Ca_kabuli_chr04	30744192	GG	CC	1940298563
SNP_P1_72336_30746076	NC_021163.1	Ca_kabuli_chr04	30746076	CC	TT	1940298564
SNP_P1_72337_30747206	NC_021163.1	Ca_kabuli_chr04	30747206	AA	GG	1940298566
SNP_P1_72338_30749629	NC_021163.1	Ca_kabuli_chr04	30749629	GG	AA	1940298567
SNP_P1_72339_30749631	NC_021163.1	Ca_kabuli_chr04	30749631	GG	AA	1940298569
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SNP_P1_72342_30754779	NC_021163.1	Ca_kabuli_chr04	30754779	CC	TT	1940298572
SNP_P1_72346_30762886	NC_021163.1	Ca_kabuli_chr04	30762886	AA	TT	1940298574
SNP_P1_72347_30763136	NC_021163.1	Ca_kabuli_chr04	30763136	TT	CC	1940298576
SNP_P1_72348_30767731	NC_021163.1	Ca_kabuli_chr04	30767731	CC	TT	1940298577
SNP_P1_72349_30767944	NC_021163.1	Ca_kabuli_chr04	30767944	TT	GG	1940298579
SNP_P1_72350_30768458	NC_021163.1	Ca_kabuli_chr04	30768458	GG	TT	1940298581
SNP_P1_72351_30769004	NC_021163.1	Ca_kabuli_chr04	30769004	AA	CC	1940298582
SNP_P1_72352_30769032	NC_021163.1	Ca_kabuli_chr04	30769032	TT	CC	1940298583
SNP_P1_72353_30770815	NC_021163.1	Ca_kabuli_chr04	30770815	AA	GG	1940298586
SNP_P1_72354_30771583	NC_021163.1	Ca_kabuli_chr04	30771583	AA	GG	1940298587
SNP_P1_72355_30772036	NC_021163.1	Ca_kabuli_chr04	30772036	CC	TT	1940298592
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SNP_P1_72363_30786029	NC_021163.1	Ca_kabuli_chr04	30786029	GG	AA	1940298600
SNP_P1_72364_30787777	NC_021163.1	Ca_kabuli_chr04	30787777	GG	CC	1940298602
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SNP_P1_72366_30787834	NC_021163.1	Ca_kabuli_chr04	30787834	CC	TT	1940298605
SNP_P1_72369_30795094	NC_021163.1	Ca_kabuli_chr04	30795094	TT	CC	1940298607
SNP_P1_72370_30795434	NC_021163.1	Ca_kabuli_chr04	30795434	GG	AA	1940298609
SNP_P1_72371_30798216	NC_021163.1	Ca_kabuli_chr04	30798216	GG	AA	1940298610
SNP_P1_72372_30799090	NC_021163.1	Ca_kabuli_chr04	30799090	TT	CC	1940298612
SNP_P1_72373_30805916	NC_021163.1	Ca_kabuli_chr04	30805916	TT	AA	1940298614
SNP_P1_72374_30806119	NC_021163.1	Ca_kabuli_chr04	30806119	TT	GG	1940298616
SNP_P1_72376_30819625	NC_021163.1	Ca_kabuli_chr04	30819625	TT	CC	1940298618
SNP_P1_72377_30819879	NC_021163.1	Ca_kabuli_chr04	30819879	GG	AA	1940298620

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72379_30820460	NC_021163.1	Ca_kabuli_chr04	30820460	CC	AA	1940298623
SNP_P1_72380_30820738	NC_021163.1	Ca_kabuli_chr04	30820738	TT	CC	1940298625
SNP_P1_72381_30821461	NC_021163.1	Ca_kabuli_chr04	30821461	AA	CC	1940298626
SNP_P1_72382_30822862	NC_021163.1	Ca_kabuli_chr04	30822862	GG	AA	1940298628
SNP_P1_72384_30824258	NC_021163.1	Ca_kabuli_chr04	30824258	AA	CC	1940298630
SNP_P1_72385_30825126	NC_021163.1	Ca_kabuli_chr04	30825126	TT	CC	1940298631
SNP_P1_72386_30825129	NC_021163.1	Ca_kabuli_chr04	30825129	TT	CC	1940298633
SNP_P1_72387_30827427	NC_021163.1	Ca_kabuli_chr04	30827427	GG	AA	1940298634
SNP_P1_72388_30827889	NC_021163.1	Ca_kabuli_chr04	30827889	CC	TT	1940298636
SNP_P1_72389_30827982	NC_021163.1	Ca_kabuli_chr04	30827982	GG	TT	1940298638
SNP_P1_72390_30828641	NC_021163.1	Ca_kabuli_chr04	30828641	CC	TT	1940298639
SNP_P1_72391_30828729	NC_021163.1	Ca_kabuli_chr04	30828729	GG	AA	1940298641
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SNP_P1_72398_30829706	NC_021163.1	Ca_kabuli_chr04	30829706	TT	GG	1940298653
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SNP_P1_72400_30829808	NC_021163.1	Ca_kabuli_chr04	30829808	TT	CC	1940298656
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SNP_P1_72402_30830786	NC_021163.1	Ca_kabuli_chr04	30830786	AA	CC	1940298659
SNP_P1_72403_30831972	NC_021163.1	Ca_kabuli_chr04	30831972	TT	CC	1940298661
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SNP_P1_72407_30836937	NC_021163.1	Ca_kabuli_chr04	30836937	CC	TT	1940298666
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SNP_P1_72409_30839745	NC_021163.1	Ca_kabuli_chr04	30839745	AA	TT	1940298669
SNP_P1_72410_30844323	NC_021163.1	Ca_kabuli_chr04	30844323	TT	CC	1940298671
SNP_P1_72411_30844399	NC_021163.1	Ca_kabuli_chr04	30844399	AA	CC	1940298673
SNP_P1_72413_30846158	NC_021163.1	Ca_kabuli_chr04	30846158	CC	TT	1940298674
SNP_P1_72414_30855314	NC_021163.1	Ca_kabuli_chr04	30855314	AA	GG	1940298676
SNP_P1_72416_30856829	NC_021163.1	Ca_kabuli_chr04	30856829	TT	CC	1940298677
SNP_P1_72417_30858519	NC_021163.1	Ca_kabuli_chr04	30858519	GG	AA	1940298679
SNP_P1_72418_30858688	NC_021163.1	Ca_kabuli_chr04	30858688	AA	GG	1940298681
SNP_P1_72419_30859940	NC_021163.1	Ca_kabuli_chr04	30859940	AA	CC	1940298682
SNP_P1_72420_30861554	NC_021163.1	Ca_kabuli_chr04	30861554	GG	AA	1940298684
SNP_P1_72421_30861558	NC_021163.1	Ca_kabuli_chr04	30861558	TT	AA	1940298686
SNP_P1_72422_30861571	NC_021163.1	Ca_kabuli_chr04	30861571	GG	TT	1940298687
SNP_P1_72423_30861584	NC_021163.1	Ca_kabuli_chr04	30861584	GG	AA	1940298689

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72426_30861885	NC_021163.1	Ca_kabuli_chr04	30861885	CC	AA	1940298692
SNP_P1_72427_30863687	NC_021163.1	Ca_kabuli_chr04	30863687	GG	AA	1940298694
SNP_P1_72428_30865005	NC_021163.1	Ca_kabuli_chr04	30865005	TT	GG	1940298696
SNP_P1_72430_30866286	NC_021163.1	Ca_kabuli_chr04	30866286	AA	CC	1940298697
SNP_P1_72431_30866289	NC_021163.1	Ca_kabuli_chr04	30866289	GG	AA	1940298699
SNP_P1_72432_30866299	NC_021163.1	Ca_kabuli_chr04	30866299	CC	GG	1940298701
SNP_P1_72433_30866303	NC_021163.1	Ca_kabuli_chr04	30866303	AA	GG	1940298702
SNP_P1_72434_30866308	NC_021163.1	Ca_kabuli_chr04	30866308	TT	GG	1940298704
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SNP_P1_72436_30866576	NC_021163.1	Ca_kabuli_chr04	30866576	AA	CC	1940298707
SNP_P1_72438_30866973	NC_021163.1	Ca_kabuli_chr04	30866973	TT	CC	1940298709
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SNP_P1_72441_30867884	NC_021163.1	Ca_kabuli_chr04	30867884	AA	GG	1940298712
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SNP_P1_72443_30868126	NC_021163.1	Ca_kabuli_chr04	30868126	AA	GG	1940298715
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SNP_P1_72452_30869887	NC_021163.1	Ca_kabuli_chr04	30869887	TT	AA	1940298730
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SNP_P1_72457_30870102	NC_021163.1	Ca_kabuli_chr04	30870102	GG	AA	1940298739
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SNP_P1_72459_30870344	NC_021163.1	Ca_kabuli_chr04	30870344	GG	AA	1940298742
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SNP_P1_72469_30872956	NC_021163.1	Ca_kabuli_chr04	30872956	AA	CC	1940298757
SNP_P1_72470_30873278	NC_021163.1	Ca_kabuli_chr04	30873278	TT	GG	1940298759

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72473_30873336	NC_021163.1	Ca_kabuli_chr04	30873336	GG	TT	1940298764
SNP_P1_72474_30873354	NC_021163.1	Ca_kabuli_chr04	30873354	CC	AA	1940298765
SNP_P1_72475_30873357	NC_021163.1	Ca_kabuli_chr04	30873357	AA	CC	1940298767
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SNP_P1_72486_30874021	NC_021163.1	Ca_kabuli_chr04	30874021	TT	AA	1940298783
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SNP_P1_72493_30876464	NC_021163.1	Ca_kabuli_chr04	30876464	GG	TT	1940298795
SNP_P1_72496_30880817	NC_021163.1	Ca_kabuli_chr04	30880817	TT	AA	1940298797
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SNP_P1_72502_30883062	NC_021163.1	Ca_kabuli_chr04	30883062	TT	CC	1940298807
SNP_P1_72503_30883360	NC_021163.1	Ca_kabuli_chr04	30883360	TT	GG	1940298808
SNP_P1_72505_30883391	NC_021163.1	Ca_kabuli_chr04	30883391	AA	CC	1940298810
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SNP_P1_72510_30883548	NC_021163.1	Ca_kabuli_chr04	30883548	AA	GG	1940298816
SNP_P1_72511_30883661	NC_021163.1	Ca_kabuli_chr04	30883661	CC	TT	1940298818
SNP_P1_72512_30883744	NC_021163.1	Ca_kabuli_chr04	30883744	TT	CC	1940298820
SNP_P1_72513_30883745	NC_021163.1	Ca_kabuli_chr04	30883745	TT	CC	1940298821
SNP_P1_72514_30883750	NC_021163.1	Ca_kabuli_chr04	30883750	TT	CC	1940298823
SNP_P1_72515_30883946	NC_021163.1	Ca_kabuli_chr04	30883946	TT	GG	1940298825
SNP_P1_72516_30884006	NC_021163.1	Ca_kabuli_chr04	30884006	AA	GG	1940298826
SNP_P1_72517_30884522	NC_021163.1	Ca_kabuli_chr04	30884522	CC	TT	1940298828

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_72518_30884756	NC_021163.1	Ca_kabuli_chr04	30884756	CC	TT	1940298830
SNP_P1_72519_30885089	NC_021163.1	Ca_kabuli_chr04	30885089	GG	AA	1940298831
SNP_P1_72521_30885348	NC_021163.1	Ca_kabuli_chr04	30885348	TT	AA	1940298833
SNP_P1_72522_30885349	NC_021163.1	Ca_kabuli_chr04	30885349	TT	GG	1940298835
SNP_P1_72523_30886056	NC_021163.1	Ca_kabuli_chr04	30886056	CC	TT	1940298836
SNP_P1_72524_30886088	NC_021163.1	Ca_kabuli_chr04	30886088	TT	AA	1940298838
SNP_P1_72525_30886095	NC_021163.1	Ca_kabuli_chr04	30886095	TT	CC	1940298840
SNP_P1_72526_30886130	NC_021163.1	Ca_kabuli_chr04	30886130	AA	CC	1940298841
SNP_P1_72527_30886137	NC_021163.1	Ca_kabuli_chr04	30886137	TT	AA	1940298843
SNP_P1_72528_30886286	NC_021163.1	Ca_kabuli_chr04	30886286	AA	GG	1940298845
SNP_P1_72529_30886293	NC_021163.1	Ca_kabuli_chr04	30886293	TT	GG	1940298846
SNP_P1_72530_30886371	NC_021163.1	Ca_kabuli_chr04	30886371	GG	CC	1940298848
SNP_P1_72531_30886393	NC_021163.1	Ca_kabuli_chr04	30886393	AA	GG	1940298849
SNP_P1_72532_30886636	NC_021163.1	Ca_kabuli_chr04	30886636	GG	AA	1940298851
SNP_P1_72533_30886867	NC_021163.1	Ca_kabuli_chr04	30886867	TT	CC	1940298853
SNP_P1_72534_30886921	NC_021163.1	Ca_kabuli_chr04	30886921	GG	AA	1940298854
SNP_P1_72535_30886936	NC_021163.1	Ca_kabuli_chr04	30886936	TT	CC	1940298856
SNP_P1_72536_30886940	NC_021163.1	Ca_kabuli_chr04	30886940	TT	CC	1940298858
SNP_P1_72537_30886960	NC_021163.1	Ca_kabuli_chr04	30886960	AA	GG	1940298859
SNP_P1_72538_30886971	NC_021163.1	Ca_kabuli_chr04	30886971	GG	TT	1940298861
SNP_P1_72539_30886997	NC_021163.1	Ca_kabuli_chr04	30886997	TT	AA	1940298863
SNP_P1_72541_30887170	NC_021163.1	Ca_kabuli_chr04	30887170	CC	AA	1940298864
SNP_P1_72542_30887195	NC_021163.1	Ca_kabuli_chr04	30887195	AA	GG	1940298866
SNP_P1_72543_30887217	NC_021163.1	Ca_kabuli_chr04	30887217	AA	GG	1940298868
SNP_P1_72544_30887277	NC_021163.1	Ca_kabuli_chr04	30887277	GG	AA	1940298869
SNP_P1_72545_30887281	NC_021163.1	Ca_kabuli_chr04	30887281	GG	AA	1940298871
SNP_P1_72546_30887289	NC_021163.1	Ca_kabuli_chr04	30887289	CC	AA	1940298873
SNP_P1_72547_30887293	NC_021163.1	Ca_kabuli_chr04	30887293	CC	TT	1940298874
SNP_P1_72548_30887433	NC_021163.1	Ca_kabuli_chr04	30887433	TT	AA	1940298876
SNP_P1_72549_30887500	NC_021163.1	Ca_kabuli_chr04	30887500	TT	GG	1940298878
SNP_P1_72551_30887506	NC_021163.1	Ca_kabuli_chr04	30887506	AA	GG	1940298879
SNP_P1_72552_30887617	NC_021163.1	Ca_kabuli_chr04	30887617	GG	TT	1940298881
SNP_P1_72553_30887858	NC_021163.1	Ca_kabuli_chr04	30887858	AA	TT	1940298883
SNP_P1_72554_30887879	NC_021163.1	Ca_kabuli_chr04	30887879	CC	TT	1940298884
SNP_P1_72555_30888082	NC_021163.1	Ca_kabuli_chr04	30888082	AA	TT	1940298886
SNP_P1_72556_30888130	NC_021163.1	Ca_kabuli_chr04	30888130	AA	TT	1940298888
SNP_P1_72557_30888141	NC_021163.1	Ca_kabuli_chr04	30888141	CC	TT	1940298889
SNP_P1_72558_30888238	NC_021163.1	Ca_kabuli_chr04	30888238	TT	CC	1940298891
SNP_P1_72559_30888249	NC_021163.1	Ca_kabuli_chr04	30888249	TT	GG	1940298892
SNP_P1_72560_30888257	NC_021163.1	Ca_kabuli_chr04	30888257	CC	TT	1940298894
SNP_P1_72561_30888299	NC_021163.1	Ca_kabuli_chr04	30888299	TT	CC	1940298896
SNP_P1_72562_30888398	NC_021163.1	Ca_kabuli_chr04	30888398	TT	AA	1940298897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72564_30888477	NC_021163.1	Ca_kabuli_chr04	30888477	CC	GG	1940298901
SNP_P1_72566_30888535	NC_021163.1	Ca_kabuli_chr04	30888535	TT	CC	1940298902
SNP_P1_72567_30888626	NC_021163.1	Ca_kabuli_chr04	30888626	CC	AA	1940298904
SNP_P1_72568_30889010	NC_021163.1	Ca_kabuli_chr04	30889010	TT	CC	1940298906
SNP_P1_72569_30897372	NC_021163.1	Ca_kabuli_chr04	30897372	TT	CC	1940298907
SNP_P1_72570_30897398	NC_021163.1	Ca_kabuli_chr04	30897398	TT	CC	1940298909
SNP_P1_72571_30897428	NC_021163.1	Ca_kabuli_chr04	30897428	TT	CC	1940298911
SNP_P1_72572_30897467	NC_021163.1	Ca_kabuli_chr04	30897467	GG	AA	1940298912
SNP_P1_72573_30897521	NC_021163.1	Ca_kabuli_chr04	30897521	TT	CC	1940298914
SNP_P1_72575_30897584	NC_021163.1	Ca_kabuli_chr04	30897584	TT	AA	1940298916
SNP_P1_72576_30897594	NC_021163.1	Ca_kabuli_chr04	30897594	GG	AA	1940298917
SNP_P1_72577_30897831	NC_021163.1	Ca_kabuli_chr04	30897831	AA	GG	1940298919
SNP_P1_72578_30897873	NC_021163.1	Ca_kabuli_chr04	30897873	TT	GG	1940298921
SNP_P1_72579_30897903	NC_021163.1	Ca_kabuli_chr04	30897903	TT	CC	1940298922
SNP_P1_72580_30897909	NC_021163.1	Ca_kabuli_chr04	30897909	CC	TT	1940298924
SNP_P1_72581_30897960	NC_021163.1	Ca_kabuli_chr04	30897960	AA	TT	1940298926
SNP_P1_72582_30924415	NC_021163.1	Ca_kabuli_chr04	30924415	AA	GG	1940298927
SNP_P1_72583_30924650	NC_021163.1	Ca_kabuli_chr04	30924650	AA	TT	1940298929
SNP_P1_72584_30928423	NC_021163.1	Ca_kabuli_chr04	30928423	GG	TT	1940298930
SNP_P1_72585_30928446	NC_021163.1	Ca_kabuli_chr04	30928446	TT	CC	1940298932
SNP_P1_72586_30928493	NC_021163.1	Ca_kabuli_chr04	30928493	CC	AA	1940298934
SNP_P1_72587_30928611	NC_021163.1	Ca_kabuli_chr04	30928611	CC	TT	1940298935
SNP_P1_72588_30928633	NC_021163.1	Ca_kabuli_chr04	30928633	GG	AA	1940298937
SNP_P1_72589_30928669	NC_021163.1	Ca_kabuli_chr04	30928669	AA	GG	1940298939
SNP_P1_72590_30928671	NC_021163.1	Ca_kabuli_chr04	30928671	GG	TT	1940298940
SNP_P1_72591_30928674	NC_021163.1	Ca_kabuli_chr04	30928674	CC	GG	1940298942
SNP_P1_72593_30928825	NC_021163.1	Ca_kabuli_chr04	30928825	CC	TT	1940298944
SNP_P1_72594_30928842	NC_021163.1	Ca_kabuli_chr04	30928842	AA	CC	1940298945
SNP_P1_72595_30928872	NC_021163.1	Ca_kabuli_chr04	30928872	TT	CC	1940298947
SNP_P1_72596_30929153	NC_021163.1	Ca_kabuli_chr04	30929153	GG	AA	1940298949
SNP_P1_72597_30929174	NC_021163.1	Ca_kabuli_chr04	30929174	GG	AA	1940298950
SNP_P1_72598_30929412	NC_021163.1	Ca_kabuli_chr04	30929412	GG	AA	1940298952
SNP_P1_72599_30929709	NC_021163.1	Ca_kabuli_chr04	30929709	TT	AA	1940298954
SNP_P1_72600_30934689	NC_021163.1	Ca_kabuli_chr04	30934689	AA	GG	1940298955
SNP_P1_72602_30940480	NC_021163.1	Ca_kabuli_chr04	30940480	CC	TT	1940298957
SNP_P1_72603_30940519	NC_021163.1	Ca_kabuli_chr04	30940519	GG	TT	1940298958
SNP_P1_72604_30940531	NC_021163.1	Ca_kabuli_chr04	30940531	GG	AA	1940298960
SNP_P1_72605_30940707	NC_021163.1	Ca_kabuli_chr04	30940707	TT	CC	1940298962
SNP_P1_72606_30941445	NC_021163.1	Ca_kabuli_chr04	30941445	TT	CC	1940298963
SNP_P1_72607_30941749	NC_021163.1	Ca_kabuli_chr04	30941749	TT	AA	1940298965
SNP_P1_72608_30941770	NC_021163.1	Ca_kabuli_chr04	30941770	AA	GG	1940298967

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72610_30942072	NC_021163.1	Ca_kabuli_chr04	30942072	AA	GG	1940298970
SNP_P1_72611_30942370	NC_021163.1	Ca_kabuli_chr04	30942370	TT	GG	1940298972
SNP_P1_72612_30942374	NC_021163.1	Ca_kabuli_chr04	30942374	CC	TT	1940298973
SNP_P1_72613_30942439	NC_021163.1	Ca_kabuli_chr04	30942439	AA	TT	1940298975
SNP_P1_72614_30942712	NC_021163.1	Ca_kabuli_chr04	30942712	TT	CC	1940298977
SNP_P1_72615_30942747	NC_021163.1	Ca_kabuli_chr04	30942747	CC	AA	1940298978
SNP_P1_72616_30943176	NC_021163.1	Ca_kabuli_chr04	30943176	GG	TT	1940298980
SNP_P1_72617_30943371	NC_021163.1	Ca_kabuli_chr04	30943371	CC	AA	1940298982
SNP_P1_72618_30944256	NC_021163.1	Ca_kabuli_chr04	30944256	TT	GG	1940298983
SNP_P1_72619_30944399	NC_021163.1	Ca_kabuli_chr04	30944399	TT	CC	1940298985
SNP_P1_72620_30950781	NC_021163.1	Ca_kabuli_chr04	30950781	GG	AA	1940298987
SNP_P1_72621_30951498	NC_021163.1	Ca_kabuli_chr04	30951498	CC	TT	1940298988
SNP_P1_72622_30951680	NC_021163.1	Ca_kabuli_chr04	30951680	AA	CC	1940298990
SNP_P1_72623_30951803	NC_021163.1	Ca_kabuli_chr04	30951803	AA	GG	1940298991
SNP_P1_72624_30951835	NC_021163.1	Ca_kabuli_chr04	30951835	AA	GG	1940298993
SNP_P1_72625_30951852	NC_021163.1	Ca_kabuli_chr04	30951852	CC	TT	1940298995
SNP_P1_72626_30951866	NC_021163.1	Ca_kabuli_chr04	30951866	GG	AA	1940298996
SNP_P1_72627_30951977	NC_021163.1	Ca_kabuli_chr04	30951977	GG	AA	1940298998
SNP_P1_72628_30952222	NC_021163.1	Ca_kabuli_chr04	30952222	TT	AA	1940299000
SNP_P1_72629_30952237	NC_021163.1	Ca_kabuli_chr04	30952237	TT	CC	1940299001
SNP_P1_72630_30953247	NC_021163.1	Ca_kabuli_chr04	30953247	GG	AA	1940299003
SNP_P1_72631_30953572	NC_021163.1	Ca_kabuli_chr04	30953572	GG	TT	1940299005
SNP_P1_72632_30953575	NC_021163.1	Ca_kabuli_chr04	30953575	GG	CC	1940299006
SNP_P1_72633_30953866	NC_021163.1	Ca_kabuli_chr04	30953866	CC	TT	1940299008
SNP_P1_72634_30953921	NC_021163.1	Ca_kabuli_chr04	30953921	TT	AA	1940299010
SNP_P1_72635_30954113	NC_021163.1	Ca_kabuli_chr04	30954113	TT	CC	1940299011
SNP_P1_72636_30954202	NC_021163.1	Ca_kabuli_chr04	30954202	GG	AA	1940299013
SNP_P1_72638_30954410	NC_021163.1	Ca_kabuli_chr04	30954410	TT	AA	1940299015
SNP_P1_72639_30954446	NC_021163.1	Ca_kabuli_chr04	30954446	GG	TT	1940299016
SNP_P1_72640_30954688	NC_021163.1	Ca_kabuli_chr04	30954688	CC	TT	1940299018
SNP_P1_72641_30955981	NC_021163.1	Ca_kabuli_chr04	30955981	GG	AA	1940299020
SNP_P1_72642_30956806	NC_021163.1	Ca_kabuli_chr04	30956806	CC	TT	1940299021
SNP_P1_72643_30958512	NC_021163.1	Ca_kabuli_chr04	30958512	GG	AA	1940299023
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SNP_P1_72645_30958679	NC_021163.1	Ca_kabuli_chr04	30958679	AA	GG	1940299026
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SNP_P1_72647_30958703	NC_021163.1	Ca_kabuli_chr04	30958703	TT	GG	1940299029
SNP_P1_72648_30958729	NC_021163.1	Ca_kabuli_chr04	30958729	TT	CC	1940299031
SNP_P1_72649_30958858	NC_021163.1	Ca_kabuli_chr04	30958858	CC	TT	1940299033
SNP_P1_72650_30959106	NC_021163.1	Ca_kabuli_chr04	30959106	GG	AA	1940299034
SNP_P1_72652_30959223	NC_021163.1	Ca_kabuli_chr04	30959223	GG	CC	1940299036

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72654_30959842	NC_021163.1	Ca_kabuli_chr04	30959842	AA	TT	1940299039
SNP_P1_72655_30959844	NC_021163.1	Ca_kabuli_chr04	30959844	AA	GG	1940299041
SNP_P1_72656_30959927	NC_021163.1	Ca_kabuli_chr04	30959927	TT	CC	1940299043
SNP_P1_72657_30959979	NC_021163.1	Ca_kabuli_chr04	30959979	GG	AA	1940299044
SNP_P1_72658_30960125	NC_021163.1	Ca_kabuli_chr04	30960125	AA	CC	1940299046
SNP_P1_72659_30960366	NC_021163.1	Ca_kabuli_chr04	30960366	GG	TT	1940299048
SNP_P1_72660_30961525	NC_021163.1	Ca_kabuli_chr04	30961525	TT	AA	1940299049
SNP_P1_72661_30961715	NC_021163.1	Ca_kabuli_chr04	30961715	TT	AA	1940299051
SNP_P1_72662_30961744	NC_021163.1	Ca_kabuli_chr04	30961744	AA	CC	1940299053
SNP_P1_72663_30961750	NC_021163.1	Ca_kabuli_chr04	30961750	AA	GG	1940299054
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SNP_P1_72666_30963646	NC_021163.1	Ca_kabuli_chr04	30963646	AA	TT	1940299059
SNP_P1_72667_30963792	NC_021163.1	Ca_kabuli_chr04	30963792	AA	GG	1940299061
SNP_P1_72669_30964435	NC_021163.1	Ca_kabuli_chr04	30964435	AA	GG	1940299063
SNP_P1_72670_30964758	NC_021163.1	Ca_kabuli_chr04	30964758	TT	CC	1940299064
SNP_P1_72671_30965040	NC_021163.1	Ca_kabuli_chr04	30965040	CC	TT	1940299066
SNP_P1_72672_30965088	NC_021163.1	Ca_kabuli_chr04	30965088	CC	TT	1940299067
SNP_P1_72673_30965116	NC_021163.1	Ca_kabuli_chr04	30965116	TT	AA	1940299069
SNP_P1_72674_30965925	NC_021163.1	Ca_kabuli_chr04	30965925	AA	TT	1940299071
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SNP_P1_72676_30966037	NC_021163.1	Ca_kabuli_chr04	30966037	CC	AA	1940299074
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SNP_P1_72679_30966881	NC_021163.1	Ca_kabuli_chr04	30966881	AA	CC	1940299079
SNP_P1_72681_30968235	NC_021163.1	Ca_kabuli_chr04	30968235	CC	TT	1940299081
SNP_P1_72682_30979799	NC_021163.1	Ca_kabuli_chr04	30979799	GG	CC	1940299082
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SNP_P1_72685_30980013	NC_021163.1	Ca_kabuli_chr04	30980013	CC	AA	1940299087
SNP_P1_72686_30980299	NC_021163.1	Ca_kabuli_chr04	30980299	CC	GG	1940299089
SNP_P1_72687_30980344	NC_021163.1	Ca_kabuli_chr04	30980344	CC	TT	1940299091
SNP_P1_72688_30980357	NC_021163.1	Ca_kabuli_chr04	30980357	CC	TT	1940299092
SNP_P1_72689_30980363	NC_021163.1	Ca_kabuli_chr04	30980363	CC	TT	1940299094
SNP_P1_72690_30980407	NC_021163.1	Ca_kabuli_chr04	30980407	AA	GG	1940299096
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SNP_P1_72693_30981869	NC_021163.1	Ca_kabuli_chr04	30981869	CC	AA	1940299100
SNP_P1_72694_30982877	NC_021163.1	Ca_kabuli_chr04	30982877	AA	TT	1940299102
SNP_P1_72695_30983079	NC_021163.1	Ca_kabuli_chr04	30983079	AA	GG	1940299104
SNP_P1_72696_30983100	NC_021163.1	Ca_kabuli_chr04	30983100	AA	GG	1940299105

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72698_30983781	NC_021163.1	Ca_kabuli_chr04	30983781	TT	GG	1940299109
SNP_P1_72699_30984102	NC_021163.1	Ca_kabuli_chr04	30984102	AA	TT	1940299110
SNP_P1_72700_30984151	NC_021163.1	Ca_kabuli_chr04	30984151	TT	CC	1940299112
SNP_P1_72701_30998072	NC_021163.1	Ca_kabuli_chr04	30998072	AA	GG	1940299114
SNP_P1_72702_30998109	NC_021163.1	Ca_kabuli_chr04	30998109	AA	GG	1940299115
SNP_P1_72703_30998369	NC_021163.1	Ca_kabuli_chr04	30998369	TT	AA	1940299117
SNP_P1_72704_30998490	NC_021163.1	Ca_kabuli_chr04	30998490	GG	CC	1940299119
SNP_P1_72705_30999031	NC_021163.1	Ca_kabuli_chr04	30999031	TT	CC	1940299120
SNP_P1_72706_30999779	NC_021163.1	Ca_kabuli_chr04	30999779	CC	GG	1940299122
SNP_P1_72707_30999952	NC_021163.1	Ca_kabuli_chr04	30999952	CC	AA	1940299124
SNP_P1_72708_30999959	NC_021163.1	Ca_kabuli_chr04	30999959	CC	TT	1940299125
SNP_P1_72709_30999991	NC_021163.1	Ca_kabuli_chr04	30999991	TT	AA	1940299127
SNP_P1_72710_31000049	NC_021163.1	Ca_kabuli_chr04	31000049	AA	GG	1940299129
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SNP_P1_72712_31001101	NC_021163.1	Ca_kabuli_chr04	31001101	TT	AA	1940299132
SNP_P1_72713_31001157	NC_021163.1	Ca_kabuli_chr04	31001157	GG	TT	1940299134
SNP_P1_72714_31001187	NC_021163.1	Ca_kabuli_chr04	31001187	AA	TT	1940299135
SNP_P1_72715_31001425	NC_021163.1	Ca_kabuli_chr04	31001425	AA	GG	1940299138
SNP_P1_72716_31001558	NC_021163.1	Ca_kabuli_chr04	31001558	CC	AA	1940299139
SNP_P1_72717_31001583	NC_021163.1	Ca_kabuli_chr04	31001583	AA	CC	1940299141
SNP_P1_72718_31001587	NC_021163.1	Ca_kabuli_chr04	31001587	TT	GG	1940299142
SNP_P1_72719_31001742	NC_021163.1	Ca_kabuli_chr04	31001742	AA	TT	1940299144
SNP_P1_72721_31001952	NC_021163.1	Ca_kabuli_chr04	31001952	TT	CC	1940299146
SNP_P1_72724_31010359	NC_021163.1	Ca_kabuli_chr04	31010359	CC	TT	1940299147
SNP_P1_72726_31011601	NC_021163.1	Ca_kabuli_chr04	31011601	GG	CC	1940299150
SNP_P1_72727_31011622	NC_021163.1	Ca_kabuli_chr04	31011622	AA	GG	1940299151
SNP_P1_72728_31015913	NC_021163.1	Ca_kabuli_chr04	31015913	AA	GG	1940299153
SNP_P1_72729_31015918	NC_021163.1	Ca_kabuli_chr04	31015918	CC	TT	1940299154
SNP_P1_72730_31015950	NC_021163.1	Ca_kabuli_chr04	31015950	GG	AA	1940299156
SNP_P1_72732_31016155	NC_021163.1	Ca_kabuli_chr04	31016155	TT	GG	1940299158
SNP_P1_72733_31016182	NC_021163.1	Ca_kabuli_chr04	31016182	TT	AA	1940299159
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SNP_P1_72735_31016547	NC_021163.1	Ca_kabuli_chr04	31016547	GG	AA	1940299163
SNP_P1_72737_31022064	NC_021163.1	Ca_kabuli_chr04	31022064	CC	TT	1940299164
SNP_P1_72738_31022095	NC_021163.1	Ca_kabuli_chr04	31022095	TT	GG	1940299166
SNP_P1_72739_31022163	NC_021163.1	Ca_kabuli_chr04	31022163	GG	AA	1940299168
SNP_P1_72740_31022169	NC_021163.1	Ca_kabuli_chr04	31022169	GG	TT	1940299169
SNP_P1_72741_31022581	NC_021163.1	Ca_kabuli_chr04	31022581	GG	AA	1940299171
SNP_P1_72742_31022602	NC_021163.1	Ca_kabuli_chr04	31022602	GG	AA	1940299173
SNP_P1_72743_31023021	NC_021163.1	Ca_kabuli_chr04	31023021	CC	AA	1940299174
SNP_P1_72744_31023322	NC_021163.1	Ca_kabuli_chr04	31023322	TT	CC	1940299176

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72746_31023638	NC_021163.1	Ca_kabuli_chr04	31023638	TT	AA	1940299179
SNP_P1_72747_31024227	NC_021163.1	Ca_kabuli_chr04	31024227	CC	TT	1940299181
SNP_P1_72748_31024239	NC_021163.1	Ca_kabuli_chr04	31024239	CC	TT	1940299182
SNP_P1_72749_31024393	NC_021163.1	Ca_kabuli_chr04	31024393	CC	TT	1940299184
SNP_P1_72750_31024397	NC_021163.1	Ca_kabuli_chr04	31024397	CC	AA	1940299186
SNP_P1_72751_31024409	NC_021163.1	Ca_kabuli_chr04	31024409	TT	CC	1940299188
SNP_P1_72752_31024411	NC_021163.1	Ca_kabuli_chr04	31024411	CC	TT	1940299189
SNP_P1_72754_31025875	NC_021163.1	Ca_kabuli_chr04	31025875	TT	GG	1940299191
SNP_P1_72755_31025920	NC_021163.1	Ca_kabuli_chr04	31025920	GG	AA	1940299193
SNP_P1_72756_31026296	NC_021163.1	Ca_kabuli_chr04	31026296	AA	GG	1940299194
SNP_P1_72757_31026665	NC_021163.1	Ca_kabuli_chr04	31026665	GG	AA	1940299196
SNP_P1_72758_31026674	NC_021163.1	Ca_kabuli_chr04	31026674	AA	GG	1940299197
SNP_P1_72759_31026755	NC_021163.1	Ca_kabuli_chr04	31026755	GG	TT	1940299199
SNP_P1_72760_31027051	NC_021163.1	Ca_kabuli_chr04	31027051	CC	GG	1940299201
SNP_P1_72761_31027166	NC_021163.1	Ca_kabuli_chr04	31027166	GG	AA	1940299202
SNP_P1_72762_31027941	NC_021163.1	Ca_kabuli_chr04	31027941	GG	AA	1940299204
SNP_P1_72763_31027972	NC_021163.1	Ca_kabuli_chr04	31027972	CC	GG	1940299206
SNP_P1_72764_31027973	NC_021163.1	Ca_kabuli_chr04	31027973	GG	CC	1940299207
SNP_P1_72765_31028115	NC_021163.1	Ca_kabuli_chr04	31028115	TT	GG	1940299209
SNP_P1_72766_31028130	NC_021163.1	Ca_kabuli_chr04	31028130	TT	GG	1940299211
SNP_P1_72767_31028162	NC_021163.1	Ca_kabuli_chr04	31028162	CC	TT	1940299212
SNP_P1_72768_31028178	NC_021163.1	Ca_kabuli_chr04	31028178	AA	GG	1940299214
SNP_P1_72769_31028376	NC_021163.1	Ca_kabuli_chr04	31028376	AA	GG	1940299216
SNP_P1_72770_31028655	NC_021163.1	Ca_kabuli_chr04	31028655	CC	TT	1940299217
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SNP_P1_72774_31041512	NC_021163.1	Ca_kabuli_chr04	31041512	TT	AA	1940299222
SNP_P1_72775_31042212	NC_021163.1	Ca_kabuli_chr04	31042212	AA	CC	1940299224
SNP_P1_72776_31042259	NC_021163.1	Ca_kabuli_chr04	31042259	CC	TT	1940299225
SNP_P1_72777_31049607	NC_021163.1	Ca_kabuli_chr04	31049607	GG	CC	1940299227
SNP_P1_72778_31049621	NC_021163.1	Ca_kabuli_chr04	31049621	AA	GG	1940299229
SNP_P1_72780_31049650	NC_021163.1	Ca_kabuli_chr04	31049650	AA	TT	1940299230
SNP_P1_72782_31049894	NC_021163.1	Ca_kabuli_chr04	31049894	CC	AA	1940299232
SNP_P1_72783_31049919	NC_021163.1	Ca_kabuli_chr04	31049919	AA	TT	1940299234
SNP_P1_72784_31049942	NC_021163.1	Ca_kabuli_chr04	31049942	GG	AA	1940299235
SNP_P1_72785_31051280	NC_021163.1	Ca_kabuli_chr04	31051280	GG	TT	1940299237
SNP_P1_72786_31051288	NC_021163.1	Ca_kabuli_chr04	31051288	AA	CC	1940299239
SNP_P1_72787_31051291	NC_021163.1	Ca_kabuli_chr04	31051291	TT	GG	1940299240
SNP_P1_72788_31051304	NC_021163.1	Ca_kabuli_chr04	31051304	TT	CC	1940299242
SNP_P1_72789_31051358	NC_021163.1	Ca_kabuli_chr04	31051358	GG	AA	1940299244
SNP_P1_72790_31051361	NC_021163.1	Ca_kabuli_chr04	31051361	TT	CC	1940299245

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72793_31051447	NC_021163.1	Ca_kabuli_chr04	31051447	GG	AA	1940299250
SNP_P1_72794_31051453	NC_021163.1	Ca_kabuli_chr04	31051453	TT	CC	1940299252
SNP_P1_72795_31051481	NC_021163.1	Ca_kabuli_chr04	31051481	GG	AA	1940299253
SNP_P1_72796_31051544	NC_021163.1	Ca_kabuli_chr04	31051544	TT	CC	1940299255
SNP_P1_72797_31051906	NC_021163.1	Ca_kabuli_chr04	31051906	GG	TT	1940299257
SNP_P1_72798_31051910	NC_021163.1	Ca_kabuli_chr04	31051910	GG	AA	1940299258
SNP_P1_72799_31051986	NC_021163.1	Ca_kabuli_chr04	31051986	GG	TT	1940299260
SNP_P1_72800_31052189	NC_021163.1	Ca_kabuli_chr04	31052189	CC	TT	1940299262
SNP_P1_72801_31052251	NC_021163.1	Ca_kabuli_chr04	31052251	AA	CC	1940299263
SNP_P1_72802_31052276	NC_021163.1	Ca_kabuli_chr04	31052276	TT	CC	1940299265
SNP_P1_72803_31052282	NC_021163.1	Ca_kabuli_chr04	31052282	CC	TT	1940299267
SNP_P1_72804_31052470	NC_021163.1	Ca_kabuli_chr04	31052470	GG	TT	1940299268
SNP_P1_72805_31052565	NC_021163.1	Ca_kabuli_chr04	31052565	CC	TT	1940299270
SNP_P1_72806_31052905	NC_021163.1	Ca_kabuli_chr04	31052905	GG	TT	1940299272
SNP_P1_72807_31052938	NC_021163.1	Ca_kabuli_chr04	31052938	GG	AA	1940299273
SNP_P1_72808_31053281	NC_021163.1	Ca_kabuli_chr04	31053281	GG	TT	1940299275
SNP_P1_72809_31053898	NC_021163.1	Ca_kabuli_chr04	31053898	CC	TT	1940299277
SNP_P1_72811_31054415	NC_021163.1	Ca_kabuli_chr04	31054415	AA	GG	1940299278
SNP_P1_72812_31054504	NC_021163.1	Ca_kabuli_chr04	31054504	TT	CC	1940299280
SNP_P1_72813_31054527	NC_021163.1	Ca_kabuli_chr04	31054527	GG	AA	1940299282
SNP_P1_72814_31054564	NC_021163.1	Ca_kabuli_chr04	31054564	GG	TT	1940299283
SNP_P1_72815_31054596	NC_021163.1	Ca_kabuli_chr04	31054596	CC	TT	1940299285
SNP_P1_72816_31054598	NC_021163.1	Ca_kabuli_chr04	31054598	GG	TT	1940299286
SNP_P1_72817_31054858	NC_021163.1	Ca_kabuli_chr04	31054858	AA	GG	1940299288
SNP_P1_72818_31054896	NC_021163.1	Ca_kabuli_chr04	31054896	GG	AA	1940299290
SNP_P1_72819_31054900	NC_021163.1	Ca_kabuli_chr04	31054900	TT	CC	1940299291
SNP_P1_72820_31054902	NC_021163.1	Ca_kabuli_chr04	31054902	TT	CC	1940299293
SNP_P1_72822_31055918	NC_021163.1	Ca_kabuli_chr04	31055918	AA	GG	1940299295
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SNP_P1_72824_31056315	NC_021163.1	Ca_kabuli_chr04	31056315	GG	AA	1940299298
SNP_P1_72825_31056351	NC_021163.1	Ca_kabuli_chr04	31056351	GG	CC	1940299300
SNP_P1_72826_31056363	NC_021163.1	Ca_kabuli_chr04	31056363	GG	TT	1940299301
SNP_P1_72827_31056375	NC_021163.1	Ca_kabuli_chr04	31056375	TT	GG	1940299303
SNP_P1_72828_31056782	NC_021163.1	Ca_kabuli_chr04	31056782	CC	AA	1940299305
SNP_P1_72829_31057303	NC_021163.1	Ca_kabuli_chr04	31057303	AA	CC	1940299306
SNP_P1_72831_31057523	NC_021163.1	Ca_kabuli_chr04	31057523	TT	AA	1940299308
SNP_P1_72832_31057610	NC_021163.1	Ca_kabuli_chr04	31057610	GG	CC	1940299310
SNP_P1_72833_31057623	NC_021163.1	Ca_kabuli_chr04	31057623	AA	CC	1940299311
SNP_P1_72834_31057661	NC_021163.1	Ca_kabuli_chr04	31057661	TT	CC	1940299313
SNP_P1_72835_31057891	NC_021163.1	Ca_kabuli_chr04	31057891	AA	GG	1940299314

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72837_31060881	NC_021163.1	Ca_kabuli_chr04	31060881	AA	TT	1940299318
SNP_P1_72838_31061499	NC_021163.1	Ca_kabuli_chr04	31061499	CC	GG	1940299319
SNP_P1_72839_31061880	NC_021163.1	Ca_kabuli_chr04	31061880	AA	GG	1940299321
SNP_P1_72840_31061888	NC_021163.1	Ca_kabuli_chr04	31061888	CC	GG	1940299323
SNP_P1_72842_31062692	NC_021163.1	Ca_kabuli_chr04	31062692	CC	AA	1940299324
SNP_P1_72844_31063075	NC_021163.1	Ca_kabuli_chr04	31063075	AA	TT	1940299326
SNP_P1_72846_31063439	NC_021163.1	Ca_kabuli_chr04	31063439	AA	GG	1940299328
SNP_P1_72847_31063989	NC_021163.1	Ca_kabuli_chr04	31063989	CC	TT	1940299329
SNP_P1_72848_31064178	NC_021163.1	Ca_kabuli_chr04	31064178	AA	GG	1940299331
SNP_P1_72849_31064199	NC_021163.1	Ca_kabuli_chr04	31064199	TT	CC	1940299333
SNP_P1_72850_31064374	NC_021163.1	Ca_kabuli_chr04	31064374	TT	CC	1940299334
SNP_P1_72851_31064389	NC_021163.1	Ca_kabuli_chr04	31064389	CC	TT	1940299336
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SNP_P1_72853_31065857	NC_021163.1	Ca_kabuli_chr04	31065857	AA	GG	1940299339
SNP_P1_72854_31066094	NC_021163.1	Ca_kabuli_chr04	31066094	TT	GG	1940299341
SNP_P1_72855_31066124	NC_021163.1	Ca_kabuli_chr04	31066124	AA	GG	1940299343
SNP_P1_72856_31070692	NC_021163.1	Ca_kabuli_chr04	31070692	AA	GG	1940299344
SNP_P1_72857_31070812	NC_021163.1	Ca_kabuli_chr04	31070812	AA	GG	1940299346
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SNP_P1_72860_31071019	NC_021163.1	Ca_kabuli_chr04	31071019	AA	GG	1940299351
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SNP_P1_72862_31071062	NC_021163.1	Ca_kabuli_chr04	31071062	AA	TT	1940299354
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SNP_P1_72868_31071650	NC_021163.1	Ca_kabuli_chr04	31071650	CC	TT	1940299364
SNP_P1_72869_31071703	NC_021163.1	Ca_kabuli_chr04	31071703	CC	TT	1940299366
SNP_P1_72871_31071748	NC_021163.1	Ca_kabuli_chr04	31071748	CC	TT	1940299367
SNP_P1_72872_31071802	NC_021163.1	Ca_kabuli_chr04	31071802	GG	CC	1940299369
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SNP_P1_72874_31072038	NC_021163.1	Ca_kabuli_chr04	31072038	CC	TT	1940299372
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SNP_P1_72879_31074358	NC_021163.1	Ca_kabuli_chr04	31074358	AA	TT	1940299379
SNP_P1_72880_31074361	NC_021163.1	Ca_kabuli_chr04	31074361	CC	TT	1940299380
SNP_P1_72881_31077223	NC_021163.1	Ca_kabuli_chr04	31077223	CC	TT	1940299382
SNP_P1_72882_31077417	NC_021163.1	Ca_kabuli_chr04	31077417	CC	GG	1940299384

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72885_31077635	NC_021163.1	Ca_kabuli_chr04	31077635	AA	TT	1940299389
SNP_P1_72886_31079529	NC_021163.1	Ca_kabuli_chr04	31079529	AA	GG	1940299390
SNP_P1_72887_31079573	NC_021163.1	Ca_kabuli_chr04	31079573	TT	CC	1940299392
SNP_P1_72888_31079641	NC_021163.1	Ca_kabuli_chr04	31079641	CC	TT	1940299394
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SNP_P1_72897_31102895	NC_021163.1	Ca_kabuli_chr04	31102895	AA	GG	1940299407
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SNP_P1_72900_31104864	NC_021163.1	Ca_kabuli_chr04	31104864	CC	TT	1940299410
SNP_P1_72901_31104881	NC_021163.1	Ca_kabuli_chr04	31104881	GG	AA	1940299412
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SNP_P1_72904_31106918	NC_021163.1	Ca_kabuli_chr04	31106918	TT	GG	1940299415
SNP_P1_72905_31107076	NC_021163.1	Ca_kabuli_chr04	31107076	AA	GG	1940299417
SNP_P1_72906_31107139	NC_021163.1	Ca_kabuli_chr04	31107139	GG	TT	1940299418
SNP_P1_72907_31107199	NC_021163.1	Ca_kabuli_chr04	31107199	GG	CC	1940299420
SNP_P1_72908_31107260	NC_021163.1	Ca_kabuli_chr04	31107260	GG	AA	1940299422
SNP_P1_72909_31107271	NC_021163.1	Ca_kabuli_chr04	31107271	CC	AA	1940299423
SNP_P1_72910_31107405	NC_021163.1	Ca_kabuli_chr04	31107405	CC	AA	1940299425
SNP_P1_72911_31107627	NC_021163.1	Ca_kabuli_chr04	31107627	CC	AA	1940299427
SNP_P1_72913_31108159	NC_021163.1	Ca_kabuli_chr04	31108159	TT	GG	1940299428
SNP_P1_72914_31108243	NC_021163.1	Ca_kabuli_chr04	31108243	CC	GG	1940299430
SNP_P1_72915_31108247	NC_021163.1	Ca_kabuli_chr04	31108247	AA	TT	1940299432
SNP_P1_72916_31108254	NC_021163.1	Ca_kabuli_chr04	31108254	CC	TT	1940299433
SNP_P1_72917_31108308	NC_021163.1	Ca_kabuli_chr04	31108308	GG	AA	1940299435
SNP_P1_72918_31108452	NC_021163.1	Ca_kabuli_chr04	31108452	AA	TT	1940299437
SNP_P1_72919_31108537	NC_021163.1	Ca_kabuli_chr04	31108537	AA	GG	1940299438
SNP_P1_72920_31108555	NC_021163.1	Ca_kabuli_chr04	31108555	GG	AA	1940299440
SNP_P1_72921_31108570	NC_021163.1	Ca_kabuli_chr04	31108570	CC	TT	1940299442
SNP_P1_72923_31108670	NC_021163.1	Ca_kabuli_chr04	31108670	GG	AA	1940299443
SNP_P1_72924_31108728	NC_021163.1	Ca_kabuli_chr04	31108728	CC	TT	1940299445
SNP_P1_72925_31108746	NC_021163.1	Ca_kabuli_chr04	31108746	CC	AA	1940299446
SNP_P1_72926_31108832	NC_021163.1	Ca_kabuli_chr04	31108832	CC	TT	1940299448
SNP_P1_72927_31108844	NC_021163.1	Ca_kabuli_chr04	31108844	GG	AA	1940299450
SNP_P1_72928_31108981	NC_021163.1	Ca_kabuli_chr04	31108981	AA	GG	1940299451
SNP_P1_72929_31109075	NC_021163.1	Ca_kabuli_chr04	31109075	GG	AA	1940299453

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72931_31109912	NC_021163.1	Ca_kabuli_chr04	31109912	AA	GG	1940299456
SNP_P1_72932_31110230	NC_021163.1	Ca_kabuli_chr04	31110230	AA	TT	1940299458
SNP_P1_72933_31110236	NC_021163.1	Ca_kabuli_chr04	31110236	CC	GG	1940299460
SNP_P1_72934_31110260	NC_021163.1	Ca_kabuli_chr04	31110260	GG	AA	1940299461
SNP_P1_72935_31110266	NC_021163.1	Ca_kabuli_chr04	31110266	CC	TT	1940299463
SNP_P1_72936_31110269	NC_021163.1	Ca_kabuli_chr04	31110269	TT	CC	1940299465
SNP_P1_72937_31110339	NC_021163.1	Ca_kabuli_chr04	31110339	AA	GG	1940299466
SNP_P1_72938_31110351	NC_021163.1	Ca_kabuli_chr04	31110351	AA	GG	1940299468
SNP_P1_72939_31110370	NC_021163.1	Ca_kabuli_chr04	31110370	CC	TT	1940299470
SNP_P1_72940_31110574	NC_021163.1	Ca_kabuli_chr04	31110574	AA	CC	1940299471
SNP_P1_72941_31110608	NC_021163.1	Ca_kabuli_chr04	31110608	CC	AA	1940299473
SNP_P1_72942_31110876	NC_021163.1	Ca_kabuli_chr04	31110876	TT	AA	1940299475
SNP_P1_72943_31110901	NC_021163.1	Ca_kabuli_chr04	31110901	GG	TT	1940299476
SNP_P1_72945_31110959	NC_021163.1	Ca_kabuli_chr04	31110959	TT	CC	1940299478
SNP_P1_72946_31111415	NC_021163.1	Ca_kabuli_chr04	31111415	GG	TT	1940299480
SNP_P1_72947_31111469	NC_021163.1	Ca_kabuli_chr04	31111469	TT	CC	1940299481
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SNP_P1_72950_31112234	NC_021163.1	Ca_kabuli_chr04	31112234	GG	AA	1940299486
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SNP_P1_72959_31115586	NC_021163.1	Ca_kabuli_chr04	31115586	AA	TT	1940299499
SNP_P1_72960_31117254	NC_021163.1	Ca_kabuli_chr04	31117254	GG	AA	1940299501
SNP_P1_72961_31117283	NC_021163.1	Ca_kabuli_chr04	31117283	CC	TT	1940299503
SNP_P1_72962_31117291	NC_021163.1	Ca_kabuli_chr04	31117291	TT	AA	1940299504
SNP_P1_72963_31117341	NC_021163.1	Ca_kabuli_chr04	31117341	TT	CC	1940299506
SNP_P1_72964_31118062	NC_021163.1	Ca_kabuli_chr04	31118062	CC	AA	1940299507
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SNP_P1_72966_31118081	NC_021163.1	Ca_kabuli_chr04	31118081	GG	TT	1940299511
SNP_P1_72967_31118243	NC_021163.1	Ca_kabuli_chr04	31118243	GG	AA	1940299512
SNP_P1_72969_31118288	NC_021163.1	Ca_kabuli_chr04	31118288	AA	GG	1940299514
SNP_P1_72970_31118301	NC_021163.1	Ca_kabuli_chr04	31118301	CC	TT	1940299516
SNP_P1_72971_31118306	NC_021163.1	Ca_kabuli_chr04	31118306	AA	GG	1940299517
SNP_P1_72972_31118318	NC_021163.1	Ca_kabuli_chr04	31118318	AA	GG	1940299519
SNP_P1_72973_31118333	NC_021163.1	Ca_kabuli_chr04	31118333	AA	GG	1940299521
SNP_P1_72974_31118357	NC_021163.1	Ca_kabuli_chr04	31118357	GG	TT	1940299522

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_72977_31119469	NC_021163.1	Ca_kabuli_chr04	31119469	AA	GG	1940299527
SNP_P1_72978_31120606	NC_021163.1	Ca_kabuli_chr04	31120606	TT	CC	1940299529
SNP_P1_72979_31120635	NC_021163.1	Ca_kabuli_chr04	31120635	GG	AA	1940299531
SNP_P1_72980_31120654	NC_021163.1	Ca_kabuli_chr04	31120654	AA	GG	1940299532
SNP_P1_72981_31120736	NC_021163.1	Ca_kabuli_chr04	31120736	CC	GG	1940299534
SNP_P1_72982_31120860	NC_021163.1	Ca_kabuli_chr04	31120860	GG	AA	1940299536
SNP_P1_72983_31120871	NC_021163.1	Ca_kabuli_chr04	31120871	AA	GG	1940299537
SNP_P1_72984_31120880	NC_021163.1	Ca_kabuli_chr04	31120880	AA	GG	1940299539
SNP_P1_72985_31121012	NC_021163.1	Ca_kabuli_chr04	31121012	GG	AA	1940299540
SNP_P1_72986_31121027	NC_021163.1	Ca_kabuli_chr04	31121027	AA	GG	1940299542
SNP_P1_72987_31121074	NC_021163.1	Ca_kabuli_chr04	31121074	TT	CC	1940299544
SNP_P1_72988_31121079	NC_021163.1	Ca_kabuli_chr04	31121079	CC	TT	1940299545
SNP_P1_72989_31121092	NC_021163.1	Ca_kabuli_chr04	31121092	CC	GG	1940299547
SNP_P1_72990_31121100	NC_021163.1	Ca_kabuli_chr04	31121100	AA	GG	1940299549
SNP_P1_72991_31121601	NC_021163.1	Ca_kabuli_chr04	31121601	CC	AA	1940299550
SNP_P1_72992_31121631	NC_021163.1	Ca_kabuli_chr04	31121631	CC	GG	1940299552
SNP_P1_72994_31122093	NC_021163.1	Ca_kabuli_chr04	31122093	TT	CC	1940299554
SNP_P1_72995_31122111	NC_021163.1	Ca_kabuli_chr04	31122111	TT	AA	1940299555
SNP_P1_72996_31122338	NC_021163.1	Ca_kabuli_chr04	31122338	CC	AA	1940299557
SNP_P1_72997_31122352	NC_021163.1	Ca_kabuli_chr04	31122352	CC	GG	1940299559
SNP_P1_72998_31122360	NC_021163.1	Ca_kabuli_chr04	31122360	TT	CC	1940299560
SNP_P1_72999_31122365	NC_021163.1	Ca_kabuli_chr04	31122365	TT	CC	1940299562
SNP_P1_73001_31123170	NC_021163.1	Ca_kabuli_chr04	31123170	GG	AA	1940299564
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SNP_P1_73003_31123245	NC_021163.1	Ca_kabuli_chr04	31123245	CC	TT	1940299567
SNP_P1_73004_31123248	NC_021163.1	Ca_kabuli_chr04	31123248	AA	TT	1940299569
SNP_P1_73005_31123284	NC_021163.1	Ca_kabuli_chr04	31123284	TT	CC	1940299570
SNP_P1_73006_31123292	NC_021163.1	Ca_kabuli_chr04	31123292	GG	AA	1940299572
SNP_P1_73007_31123312	NC_021163.1	Ca_kabuli_chr04	31123312	GG	AA	1940299573
SNP_P1_73008_31123559	NC_021163.1	Ca_kabuli_chr04	31123559	AA	TT	1940299575
SNP_P1_73009_31123615	NC_021163.1	Ca_kabuli_chr04	31123615	CC	TT	1940299577
SNP_P1_73010_31123659	NC_021163.1	Ca_kabuli_chr04	31123659	AA	GG	1940299578
SNP_P1_73011_31123684	NC_021163.1	Ca_kabuli_chr04	31123684	GG	AA	1940299580
SNP_P1_73012_31123779	NC_021163.1	Ca_kabuli_chr04	31123779	CC	AA	1940299582
SNP_P1_73013_31123783	NC_021163.1	Ca_kabuli_chr04	31123783	AA	GG	1940299583
SNP_P1_73014_31123968	NC_021163.1	Ca_kabuli_chr04	31123968	TT	GG	1940299585
SNP_P1_73015_31124050	NC_021163.1	Ca_kabuli_chr04	31124050	CC	GG	1940299587
SNP_P1_73016_31124057	NC_021163.1	Ca_kabuli_chr04	31124057	TT	CC	1940299588
SNP_P1_73017_31124069	NC_021163.1	Ca_kabuli_chr04	31124069	AA	GG	1940299590
SNP_P1_73018_31124234	NC_021163.1	Ca_kabuli_chr04	31124234	GG	AA	1940299592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73021_31124795	NC_021163.1	Ca_kabuli_chr04	31124795	AA	CC	1940299595
SNP_P1_73022_31124837	NC_021163.1	Ca_kabuli_chr04	31124837	AA	GG	1940299597
SNP_P1_73023_31124926	NC_021163.1	Ca_kabuli_chr04	31124926	GG	AA	1940299598
SNP_P1_73024_31125009	NC_021163.1	Ca_kabuli_chr04	31125009	CC	GG	1940299600
SNP_P1_73025_31125062	NC_021163.1	Ca_kabuli_chr04	31125062	AA	GG	1940299602
SNP_P1_73026_31125074	NC_021163.1	Ca_kabuli_chr04	31125074	TT	CC	1940299603
SNP_P1_73027_31125077	NC_021163.1	Ca_kabuli_chr04	31125077	CC	TT	1940299605
SNP_P1_73028_31126149	NC_021163.1	Ca_kabuli_chr04	31126149	AA	GG	1940299607
SNP_P1_73029_31126484	NC_021163.1	Ca_kabuli_chr04	31126484	TT	CC	1940299608
SNP_P1_73030_31126488	NC_021163.1	Ca_kabuli_chr04	31126488	GG	AA	1940299610
SNP_P1_73031_31126663	NC_021163.1	Ca_kabuli_chr04	31126663	AA	GG	1940299611
SNP_P1_73032_31126701	NC_021163.1	Ca_kabuli_chr04	31126701	AA	GG	1940299613
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SNP_P1_73034_31126846	NC_021163.1	Ca_kabuli_chr04	31126846	AA	GG	1940299616
SNP_P1_73035_31126847	NC_021163.1	Ca_kabuli_chr04	31126847	CC	TT	1940299618
SNP_P1_73036_31126964	NC_021163.1	Ca_kabuli_chr04	31126964	CC	TT	1940299620
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SNP_P1_73038_31127638	NC_021163.1	Ca_kabuli_chr04	31127638	AA	GG	1940299623
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SNP_P1_73043_31128340	NC_021163.1	Ca_kabuli_chr04	31128340	AA	GG	1940299631
SNP_P1_73044_31129439	NC_021163.1	Ca_kabuli_chr04	31129439	TT	AA	1940299633
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SNP_P1_73051_31136153	NC_021163.1	Ca_kabuli_chr04	31136153	AA	GG	1940299641
SNP_P1_73052_31136453	NC_021163.1	Ca_kabuli_chr04	31136453	GG	AA	1940299644
SNP_P1_73053_31136492	NC_021163.1	Ca_kabuli_chr04	31136492	GG	AA	1940299645
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SNP_P1_73058_31138052	NC_021163.1	Ca_kabuli_chr04	31138052	TT	CC	1940299650
SNP_P1_73059_31138053	NC_021163.1	Ca_kabuli_chr04	31138053	TT	CC	1940299652
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SNP_P1_73062_31138356	NC_021163.1	Ca_kabuli_chr04	31138356	GG	AA	1940299657
SNP_P1_73063_31138365	NC_021163.1	Ca_kabuli_chr04	31138365	CC	TT	1940299658
SNP_P1_73064_31138715	NC_021163.1	Ca_kabuli_chr04	31138715	CC	TT	1940299660
SNP_P1_73068_31145115	NC_021163.1	Ca_kabuli_chr04	31145115	AA	GG	1940299662

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73073_31150747	NC_021163.1	Ca_kabuli_chr04	31150747	CC	TT	1940299668
SNP_P1_73074_31152105	NC_021163.1	Ca_kabuli_chr04	31152105	GG	AA	1940299670
SNP_P1_73075_31153701	NC_021163.1	Ca_kabuli_chr04	31153701	CC	GG	1940299671
SNP_P1_73076_31154697	NC_021163.1	Ca_kabuli_chr04	31154697	TT	CC	1940299673
SNP_P1_73077_31155315	NC_021163.1	Ca_kabuli_chr04	31155315	TT	CC	1940299676
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SNP_P1_73079_31156002	NC_021163.1	Ca_kabuli_chr04	31156002	AA	GG	1940299679
SNP_P1_73081_31160206	NC_021163.1	Ca_kabuli_chr04	31160206	GG	CC	1940299681
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SNP_P1_73085_31172972	NC_021163.1	Ca_kabuli_chr04	31172972	GG	TT	1940299684
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SNP_P1_73097_31183297	NC_021163.1	Ca_kabuli_chr04	31183297	AA	GG	1940299700
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SNP_P1_73100_31189289	NC_021163.1	Ca_kabuli_chr04	31189289	CC	TT	1940299703
SNP_P1_73101_31189621	NC_021163.1	Ca_kabuli_chr04	31189621	AA	CC	1940299705
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SNP_P1_73105_31190120	NC_021163.1	Ca_kabuli_chr04	31190120	TT	CC	1940299712
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SNP_P1_73108_31192909	NC_021163.1	Ca_kabuli_chr04	31192909	AA	GG	1940299715
SNP_P1_73109_31193053	NC_021163.1	Ca_kabuli_chr04	31193053	TT	GG	1940299717
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SNP_P1_73111_31194330	NC_021163.1	Ca_kabuli_chr04	31194330	AA	GG	1940299720
SNP_P1_73113_31195142	NC_021163.1	Ca_kabuli_chr04	31195142	GG	AA	1940299722
SNP_P1_73116_31206607	NC_021163.1	Ca_kabuli_chr04	31206607	TT	GG	1940299724
SNP_P1_73117_31206985	NC_021163.1	Ca_kabuli_chr04	31206985	GG	AA	1940299725
SNP_P1_73118_31207019	NC_021163.1	Ca_kabuli_chr04	31207019	AA	GG	1940299727
SNP_P1_73119_31207528	NC_021163.1	Ca_kabuli_chr04	31207528	AA	GG	1940299729
SNP_P1_73120_31207532	NC_021163.1	Ca_kabuli_chr04	31207532	AA	GG	1940299730
SNP_P1_73121_31207762	NC_021163.1	Ca_kabuli_chr04	31207762	GG	AA	1940299732

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_73122_31208089	NC_021163.1	Ca_kabuli_chr04	31208089	TT	AA	1940299734
SNP_P1_73123_31213833	NC_021163.1	Ca_kabuli_chr04	31213833	AA	CC	1940299735
SNP_P1_73124_31213868	NC_021163.1	Ca_kabuli_chr04	31213868	AA	GG	1940299737
SNP_P1_73125_31217673	NC_021163.1	Ca_kabuli_chr04	31217673	GG	TT	1940299739
SNP_P1_73126_31217763	NC_021163.1	Ca_kabuli_chr04	31217763	AA	CC	1940299740
SNP_P1_73127_31217797	NC_021163.1	Ca_kabuli_chr04	31217797	TT	CC	1940299742
SNP_P1_73128_31217992	NC_021163.1	Ca_kabuli_chr04	31217992	TT	CC	1940299744
SNP_P1_73129_31220022	NC_021163.1	Ca_kabuli_chr04	31220022	CC	GG	1940299745
SNP_P1_73130_31221993	NC_021163.1	Ca_kabuli_chr04	31221993	GG	AA	1940299747
SNP_P1_73132_31224833	NC_021163.1	Ca_kabuli_chr04	31224833	GG	AA	1940299748
SNP_P1_73133_31224985	NC_021163.1	Ca_kabuli_chr04	31224985	AA	TT	1940299750
SNP_P1_73134_31225114	NC_021163.1	Ca_kabuli_chr04	31225114	TT	AA	1940299752
SNP_P1_73136_31228804	NC_021163.1	Ca_kabuli_chr04	31228804	TT	CC	1940299753
SNP_P1_73137_31228881	NC_021163.1	Ca_kabuli_chr04	31228881	CC	TT	1940299755
SNP_P1_73139_31230369	NC_021163.1	Ca_kabuli_chr04	31230369	CC	TT	1940299757
SNP_P1_73142_31230590	NC_021163.1	Ca_kabuli_chr04	31230590	CC	TT	1940299758
SNP_P1_73143_31230620	NC_021163.1	Ca_kabuli_chr04	31230620	GG	AA	1940299760
SNP_P1_73145_31230679	NC_021163.1	Ca_kabuli_chr04	31230679	AA	GG	1940299762
SNP_P1_73146_31230741	NC_021163.1	Ca_kabuli_chr04	31230741	CC	TT	1940299763
SNP_P1_73147_31230791	NC_021163.1	Ca_kabuli_chr04	31230791	CC	TT	1940299765
SNP_P1_73148_31230823	NC_021163.1	Ca_kabuli_chr04	31230823	CC	AA	1940299767
SNP_P1_73149_31231053	NC_021163.1	Ca_kabuli_chr04	31231053	CC	GG	1940299768
SNP_P1_73150_31233024	NC_021163.1	Ca_kabuli_chr04	31233024	GG	AA	1940299770
SNP_P1_73151_31233818	NC_021163.1	Ca_kabuli_chr04	31233818	CC	TT	1940299772
SNP_P1_73152_31233820	NC_021163.1	Ca_kabuli_chr04	31233820	TT	CC	1940299773
SNP_P1_73153_31234129	NC_021163.1	Ca_kabuli_chr04	31234129	GG	TT	1940299775
SNP_P1_73154_31234158	NC_021163.1	Ca_kabuli_chr04	31234158	CC	TT	1940299777
SNP_P1_73155_31234456	NC_021163.1	Ca_kabuli_chr04	31234456	TT	CC	1940299778
SNP_P1_73156_31234542	NC_021163.1	Ca_kabuli_chr04	31234542	TT	CC	1940299780
SNP_P1_73157_31234751	NC_021163.1	Ca_kabuli_chr04	31234751	GG	TT	1940299781
SNP_P1_73158_31234755	NC_021163.1	Ca_kabuli_chr04	31234755	TT	CC	1940299783
SNP_P1_73159_31234797	NC_021163.1	Ca_kabuli_chr04	31234797	GG	TT	1940299785
SNP_P1_73160_31234800	NC_021163.1	Ca_kabuli_chr04	31234800	TT	CC	1940299786
SNP_P1_73161_31234898	NC_021163.1	Ca_kabuli_chr04	31234898	TT	CC	1940299788
SNP_P1_73163_31235318	NC_021163.1	Ca_kabuli_chr04	31235318	AA	GG	1940299790
SNP_P1_73166_31236739	NC_021163.1	Ca_kabuli_chr04	31236739	AA	TT	1940299791
SNP_P1_73167_31237500	NC_021163.1	Ca_kabuli_chr04	31237500	CC	TT	1940299793
SNP_P1_73168_31237679	NC_021163.1	Ca_kabuli_chr04	31237679	AA	CC	1940299795
SNP_P1_73169_31237687	NC_021163.1	Ca_kabuli_chr04	31237687	TT	AA	1940299796
SNP_P1_73171_31247712	NC_021163.1	Ca_kabuli_chr04	31247712	TT	CC	1940299798
SNP_P1_73172_31248559	NC_021163.1	Ca_kabuli_chr04	31248559	AA	TT	1940299800
SNP_P1_73173_31248560	NC_021163.1	Ca_kabuli_chr04	31248560	CC	TT	1940299801

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_73174_31248813	NC_021163.1	Ca_kabuli_chr04	31248813	GG	AA	1940299803
SNP_P1_73175_31248828	NC_021163.1	Ca_kabuli_chr04	31248828	CC	TT	1940299805
SNP_P1_73176_31248907	NC_021163.1	Ca_kabuli_chr04	31248907	GG	AA	1940299806
SNP_P1_73177_31248909	NC_021163.1	Ca_kabuli_chr04	31248909	GG	AA	1940299808
SNP_P1_73178_31249893	NC_021163.1	Ca_kabuli_chr04	31249893	GG	AA	1940299810
SNP_P1_73179_31250131	NC_021163.1	Ca_kabuli_chr04	31250131	CC	GG	1940299811
SNP_P1_73180_31250141	NC_021163.1	Ca_kabuli_chr04	31250141	GG	CC	1940299813
SNP_P1_73181_31250252	NC_021163.1	Ca_kabuli_chr04	31250252	GG	AA	1940299815
SNP_P1_73182_31250317	NC_021163.1	Ca_kabuli_chr04	31250317	GG	TT	1940299816
SNP_P1_73183_31250553	NC_021163.1	Ca_kabuli_chr04	31250553	AA	CC	1940299818
SNP_P1_73184_31250568	NC_021163.1	Ca_kabuli_chr04	31250568	CC	GG	1940299819
SNP_P1_73185_31250682	NC_021163.1	Ca_kabuli_chr04	31250682	GG	CC	1940299821
SNP_P1_73187_31251140	NC_021163.1	Ca_kabuli_chr04	31251140	GG	TT	1940299823
SNP_P1_73188_31251981	NC_021163.1	Ca_kabuli_chr04	31251981	TT	CC	1940299824
SNP_P1_73189_31253448	NC_021163.1	Ca_kabuli_chr04	31253448	CC	AA	1940299826
SNP_P1_73190_31253455	NC_021163.1	Ca_kabuli_chr04	31253455	AA	GG	1940299828
SNP_P1_73191_31253925	NC_021163.1	Ca_kabuli_chr04	31253925	AA	GG	1940299829
SNP_P1_73192_31254148	NC_021163.1	Ca_kabuli_chr04	31254148	AA	GG	1940299831
SNP_P1_73193_31254151	NC_021163.1	Ca_kabuli_chr04	31254151	TT	AA	1940299833
SNP_P1_73194_31254223	NC_021163.1	Ca_kabuli_chr04	31254223	CC	GG	1940299834
SNP_P1_73195_31254227	NC_021163.1	Ca_kabuli_chr04	31254227	CC	TT	1940299836
SNP_P1_73196_31254281	NC_021163.1	Ca_kabuli_chr04	31254281	GG	AA	1940299838
SNP_P1_73197_31255528	NC_021163.1	Ca_kabuli_chr04	31255528	AA	CC	1940299839
SNP_P1_73198_31258557	NC_021163.1	Ca_kabuli_chr04	31258557	TT	CC	1940299841
SNP_P1_73199_31258640	NC_021163.1	Ca_kabuli_chr04	31258640	AA	GG	1940299843
SNP_P1_73201_31258925	NC_021163.1	Ca_kabuli_chr04	31258925	GG	CC	1940299844
SNP_P1_73202_31259002	NC_021163.1	Ca_kabuli_chr04	31259002	AA	CC	1940299846
SNP_P1_73203_31259027	NC_021163.1	Ca_kabuli_chr04	31259027	CC	AA	1940299848
SNP_P1_73205_31259214	NC_021163.1	Ca_kabuli_chr04	31259214	GG	TT	1940299849
SNP_P1_73206_31259536	NC_021163.1	Ca_kabuli_chr04	31259536	CC	TT	1940299851
SNP_P1_73207_31261520	NC_021163.1	Ca_kabuli_chr04	31261520	CC	TT	1940299853
SNP_P1_73208_31261688	NC_021163.1	Ca_kabuli_chr04	31261688	GG	AA	1940299854
SNP_P1_73210_31266318	NC_021163.1	Ca_kabuli_chr04	31266318	AA	TT	1940299856
SNP_P1_73211_31267901	NC_021163.1	Ca_kabuli_chr04	31267901	AA	TT	1940299857
SNP_P1_73212_31267907	NC_021163.1	Ca_kabuli_chr04	31267907	AA	GG	1940299859
SNP_P1_73213_31268319	NC_021163.1	Ca_kabuli_chr04	31268319	AA	CC	1940299861
SNP_P1_73214_31268531	NC_021163.1	Ca_kabuli_chr04	31268531	CC	TT	1940299862
SNP_P1_73215_31269204	NC_021163.1	Ca_kabuli_chr04	31269204	CC	AA	1940299864
SNP_P1_73216_31270567	NC_021163.1	Ca_kabuli_chr04	31270567	CC	GG	1940299866
SNP_P1_73217_31270683	NC_021163.1	Ca_kabuli_chr04	31270683	TT	CC	1940299867
SNP_P1_73218_31271539	NC_021163.1	Ca_kabuli_chr04	31271539	TT	GG	1940299869
SNP_P1_73219_31272083	NC_021163.1	Ca_kabuli_chr04	31272083	TT	CC	1940299871

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73222_31275218	NC_021163.1	Ca_kabuli_chr04	31275218	GG	CC	1940299874
SNP_P1_73223_31275342	NC_021163.1	Ca_kabuli_chr04	31275342	TT	CC	1940299876
SNP_P1_73225_31275550	NC_021163.1	Ca_kabuli_chr04	31275550	AA	GG	1940299877
SNP_P1_73226_31275658	NC_021163.1	Ca_kabuli_chr04	31275658	AA	GG	1940299879
SNP_P1_73227_31275691	NC_021163.1	Ca_kabuli_chr04	31275691	GG	AA	1940299881
SNP_P1_73230_31276140	NC_021163.1	Ca_kabuli_chr04	31276140	TT	AA	1940299882
SNP_P1_73231_31276286	NC_021163.1	Ca_kabuli_chr04	31276286	AA	GG	1940299884
SNP_P1_73233_31276653	NC_021163.1	Ca_kabuli_chr04	31276653	AA	GG	1940299885
SNP_P1_73234_31276654	NC_021163.1	Ca_kabuli_chr04	31276654	TT	CC	1940299887
SNP_P1_73236_31279152	NC_021163.1	Ca_kabuli_chr04	31279152	AA	CC	1940299889
SNP_P1_73237_31279218	NC_021163.1	Ca_kabuli_chr04	31279218	CC	TT	1940299890
SNP_P1_73239_31279288	NC_021163.1	Ca_kabuli_chr04	31279288	CC	TT	1940299892
SNP_P1_73240_31281324	NC_021163.1	Ca_kabuli_chr04	31281324	GG	TT	1940299894
SNP_P1_73241_31281863	NC_021163.1	Ca_kabuli_chr04	31281863	TT	CC	1940299895
SNP_P1_73242_31282238	NC_021163.1	Ca_kabuli_chr04	31282238	TT	CC	1940299897
SNP_P1_73243_31282271	NC_021163.1	Ca_kabuli_chr04	31282271	AA	GG	1940299899
SNP_P1_73244_31282880	NC_021163.1	Ca_kabuli_chr04	31282880	TT	AA	1940299900
SNP_P1_73245_31283106	NC_021163.1	Ca_kabuli_chr04	31283106	TT	GG	1940299902
SNP_P1_73246_31283222	NC_021163.1	Ca_kabuli_chr04	31283222	CC	GG	1940299904
SNP_P1_73247_31284101	NC_021163.1	Ca_kabuli_chr04	31284101	AA	CC	1940299905
SNP_P1_73248_31284173	NC_021163.1	Ca_kabuli_chr04	31284173	TT	CC	1940299907
SNP_P1_73249_31284187	NC_021163.1	Ca_kabuli_chr04	31284187	AA	TT	1940299909
SNP_P1_73250_31284208	NC_021163.1	Ca_kabuli_chr04	31284208	GG	TT	1940299910
SNP_P1_73251_31284236	NC_021163.1	Ca_kabuli_chr04	31284236	TT	CC	1940299912
SNP_P1_73253_31284508	NC_021163.1	Ca_kabuli_chr04	31284508	CC	TT	1940299913
SNP_P1_73254_31284570	NC_021163.1	Ca_kabuli_chr04	31284570	AA	GG	1940299915
SNP_P1_73256_31285193	NC_021163.1	Ca_kabuli_chr04	31285193	TT	GG	1940299917
SNP_P1_73257_31285313	NC_021163.1	Ca_kabuli_chr04	31285313	CC	TT	1940299918
SNP_P1_73258_31285331	NC_021163.1	Ca_kabuli_chr04	31285331	CC	GG	1940299920
SNP_P1_73259_31287192	NC_021163.1	Ca_kabuli_chr04	31287192	GG	AA	1940299922
SNP_P1_73260_31287535	NC_021163.1	Ca_kabuli_chr04	31287535	CC	TT	1940299923
SNP_P1_73261_31288915	NC_021163.1	Ca_kabuli_chr04	31288915	TT	CC	1940299925
SNP_P1_73262_31289075	NC_021163.1	Ca_kabuli_chr04	31289075	AA	CC	1940299927
SNP_P1_73263_31290524	NC_021163.1	Ca_kabuli_chr04	31290524	AA	CC	1940299928
SNP_P1_73264_31290598	NC_021163.1	Ca_kabuli_chr04	31290598	AA	GG	1940299930
SNP_P1_73265_31290653	NC_021163.1	Ca_kabuli_chr04	31290653	TT	CC	1940299932
SNP_P1_73266_31290712	NC_021163.1	Ca_kabuli_chr04	31290712	GG	CC	1940299933
SNP_P1_73267_31290747	NC_021163.1	Ca_kabuli_chr04	31290747	CC	GG	1940299935
SNP_P1_73268_31290822	NC_021163.1	Ca_kabuli_chr04	31290822	AA	TT	1940299937
SNP_P1_73269_31290828	NC_021163.1	Ca_kabuli_chr04	31290828	AA	GG	1940299938
SNP_P1_73270_31290865	NC_021163.1	Ca_kabuli_chr04	31290865	TT	GG	1940299940

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_73272_31291105	NC_021163.1	Ca_kabuli_chr04	31291105	TT	CC	1940299942
SNP_P1_73274_31291844	NC_021163.1	Ca_kabuli_chr04	31291844	TT	CC	1940299943
SNP_P1_73275_31291855	NC_021163.1	Ca_kabuli_chr04	31291855	TT	AA	1940299945
SNP_P1_73277_31293953	NC_021163.1	Ca_kabuli_chr04	31293953	GG	AA	1940299947
SNP_P1_73278_31294121	NC_021163.1	Ca_kabuli_chr04	31294121	GG	TT	1940299948
SNP_P1_73279_31294414	NC_021163.1	Ca_kabuli_chr04	31294414	CC	TT	1940299950
SNP_P1_73280_31294460	NC_021163.1	Ca_kabuli_chr04	31294460	TT	GG	1940299952
SNP_P1_73281_31294829	NC_021163.1	Ca_kabuli_chr04	31294829	TT	AA	1940299953
SNP_P1_73282_31295707	NC_021163.1	Ca_kabuli_chr04	31295707	GG	AA	1940299955
SNP_P1_73283_31296040	NC_021163.1	Ca_kabuli_chr04	31296040	AA	TT	1940299956
SNP_P1_73284_31296390	NC_021163.1	Ca_kabuli_chr04	31296390	CC	TT	1940299958
SNP_P1_73285_31296537	NC_021163.1	Ca_kabuli_chr04	31296537	TT	CC	1940299960
SNP_P1_73286_31298101	NC_021163.1	Ca_kabuli_chr04	31298101	GG	AA	1940299961
SNP_P1_73287_31298267	NC_021163.1	Ca_kabuli_chr04	31298267	TT	GG	1940299963
SNP_P1_73288_31298354	NC_021163.1	Ca_kabuli_chr04	31298354	GG	AA	1940299965
SNP_P1_73290_31303157	NC_021163.1	Ca_kabuli_chr04	31303157	GG	AA	1940299966
SNP_P1_73292_31303972	NC_021163.1	Ca_kabuli_chr04	31303972	TT	AA	1940299968
SNP_P1_73293_31306147	NC_021163.1	Ca_kabuli_chr04	31306147	TT	AA	1940299970
SNP_P1_73294_31306349	NC_021163.1	Ca_kabuli_chr04	31306349	TT	CC	1940299971
SNP_P1_73295_31306390	NC_021163.1	Ca_kabuli_chr04	31306390	CC	AA	1940299973
SNP_P1_73296_31307147	NC_021163.1	Ca_kabuli_chr04	31307147	TT	CC	1940299975
SNP_P1_73297_31307179	NC_021163.1	Ca_kabuli_chr04	31307179	TT	GG	1940299976
SNP_P1_73298_31307280	NC_021163.1	Ca_kabuli_chr04	31307280	AA	GG	1940299978
SNP_P1_73299_31307414	NC_021163.1	Ca_kabuli_chr04	31307414	GG	AA	1940299980
SNP_P1_73300_31307518	NC_021163.1	Ca_kabuli_chr04	31307518	CC	AA	1940299981
SNP_P1_73301_31307763	NC_021163.1	Ca_kabuli_chr04	31307763	GG	AA	1940299983
SNP_P1_73302_31307819	NC_021163.1	Ca_kabuli_chr04	31307819	GG	AA	1940299985
SNP_P1_73303_31308227	NC_021163.1	Ca_kabuli_chr04	31308227	AA	GG	1940299986
SNP_P1_73304_31308295	NC_021163.1	Ca_kabuli_chr04	31308295	CC	AA	1940299988
SNP_P1_73305_31310477	NC_021163.1	Ca_kabuli_chr04	31310477	AA	GG	1940299989
SNP_P1_73307_31312606	NC_021163.1	Ca_kabuli_chr04	31312606	AA	GG	1940299991
SNP_P1_73308_31314459	NC_021163.1	Ca_kabuli_chr04	31314459	CC	TT	1940299993
SNP_P1_73310_31314827	NC_021163.1	Ca_kabuli_chr04	31314827	CC	AA	1940299994
SNP_P1_73311_31314967	NC_021163.1	Ca_kabuli_chr04	31314967	TT	CC	1940299996
SNP_P1_73312_31314987	NC_021163.1	Ca_kabuli_chr04	31314987	AA	GG	1940299998
SNP_P1_73313_31316121	NC_021163.1	Ca_kabuli_chr04	31316121	AA	GG	1940299999
SNP_P1_73314_31316374	NC_021163.1	Ca_kabuli_chr04	31316374	AA	TT	1940300001
SNP_P1_73316_31317047	NC_021163.1	Ca_kabuli_chr04	31317047	AA	TT	1940300003
SNP_P1_73317_31317072	NC_021163.1	Ca_kabuli_chr04	31317072	CC	GG	1940300004
SNP_P1_73318_31317436	NC_021163.1	Ca_kabuli_chr04	31317436	CC	AA	1940300006
SNP_P1_73321_31317591	NC_021163.1	Ca_kabuli_chr04	31317591	AA	TT	1940300008
SNP_P1_73322_31317607	NC_021163.1	Ca_kabuli_chr04	31317607	GG	AA	1940300009

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73324_31317965	NC_021163.1	Ca_kabuli_chr04	31317965	TT	GG	1940300013
SNP_P1_73325_31317981	NC_021163.1	Ca_kabuli_chr04	31317981	CC	TT	1940300014
SNP_P1_73326_31318019	NC_021163.1	Ca_kabuli_chr04	31318019	TT	AA	1940300016
SNP_P1_73327_31318549	NC_021163.1	Ca_kabuli_chr04	31318549	TT	CC	1940300018
SNP_P1_73328_31318556	NC_021163.1	Ca_kabuli_chr04	31318556	GG	CC	1940300019
SNP_P1_73329_31319076	NC_021163.1	Ca_kabuli_chr04	31319076	CC	AA	1940300021
SNP_P1_73331_31320796	NC_021163.1	Ca_kabuli_chr04	31320796	AA	GG	1940300023
SNP_P1_73332_31320814	NC_021163.1	Ca_kabuli_chr04	31320814	CC	TT	1940300024
SNP_P1_73333_31321245	NC_021163.1	Ca_kabuli_chr04	31321245	GG	AA	1940300026
SNP_P1_73334_31321639	NC_021163.1	Ca_kabuli_chr04	31321639	TT	CC	1940300027
SNP_P1_73335_31322262	NC_021163.1	Ca_kabuli_chr04	31322262	CC	AA	1940300029
SNP_P1_73336_31322524	NC_021163.1	Ca_kabuli_chr04	31322524	GG	AA	1940300031
SNP_P1_73338_31323223	NC_021163.1	Ca_kabuli_chr04	31323223	TT	CC	1940300032
SNP_P1_73339_31323349	NC_021163.1	Ca_kabuli_chr04	31323349	TT	CC	1940300034
SNP_P1_73340_31323954	NC_021163.1	Ca_kabuli_chr04	31323954	CC	AA	1940300036
SNP_P1_73341_31324140	NC_021163.1	Ca_kabuli_chr04	31324140	GG	AA	1940300037
SNP_P1_73342_31324257	NC_021163.1	Ca_kabuli_chr04	31324257	AA	CC	1940300039
SNP_P1_73343_31324273	NC_021163.1	Ca_kabuli_chr04	31324273	GG	AA	1940300040
SNP_P1_73344_31325773	NC_021163.1	Ca_kabuli_chr04	31325773	TT	CC	1940300042
SNP_P1_73345_31326049	NC_021163.1	Ca_kabuli_chr04	31326049	GG	AA	1940300044
SNP_P1_73346_31332382	NC_021163.1	Ca_kabuli_chr04	31332382	CC	AA	1940300045
SNP_P1_73347_31332435	NC_021163.1	Ca_kabuli_chr04	31332435	TT	AA	1940300047
SNP_P1_73348_31333628	NC_021163.1	Ca_kabuli_chr04	31333628	AA	GG	1940300049
SNP_P1_73349_31333959	NC_021163.1	Ca_kabuli_chr04	31333959	AA	TT	1940300050
SNP_P1_73350_31334684	NC_021163.1	Ca_kabuli_chr04	31334684	TT	CC	1940300052
SNP_P1_73351_31334894	NC_021163.1	Ca_kabuli_chr04	31334894	TT	AA	1940300054
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SNP_P1_73353_31336053	NC_021163.1	Ca_kabuli_chr04	31336053	AA	TT	1940300057
SNP_P1_73354_31336364	NC_021163.1	Ca_kabuli_chr04	31336364	CC	TT	1940300059
SNP_P1_73356_31343184	NC_021163.1	Ca_kabuli_chr04	31343184	TT	CC	1940300060
SNP_P1_73357_31343995	NC_021163.1	Ca_kabuli_chr04	31343995	GG	AA	1940300062
SNP_P1_73358_31344029	NC_021163.1	Ca_kabuli_chr04	31344029	CC	TT	1940300064
SNP_P1_73359_31345055	NC_021163.1	Ca_kabuli_chr04	31345055	TT	CC	1940300065
SNP_P1_73360_31347334	NC_021163.1	Ca_kabuli_chr04	31347334	CC	TT	1940300067
SNP_P1_73362_31348811	NC_021163.1	Ca_kabuli_chr04	31348811	AA	CC	1940300069
SNP_P1_73363_31360724	NC_021163.1	Ca_kabuli_chr04	31360724	GG	CC	1940300070
SNP_P1_73365_31365215	NC_021163.1	Ca_kabuli_chr04	31365215	GG	AA	1940300072
SNP_P1_73366_31366062	NC_021163.1	Ca_kabuli_chr04	31366062	GG	AA	1940300074
SNP_P1_73368_31373502	NC_021163.1	Ca_kabuli_chr04	31373502	CC	TT	1940300075
SNP_P1_73369_31376118	NC_021163.1	Ca_kabuli_chr04	31376118	AA	TT	1940300077
SNP_P1_73370_31376342	NC_021163.1	Ca_kabuli_chr04	31376342	CC	GG	1940300078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73373_31378428	NC_021163.1	Ca_kabuli_chr04	31378428	CC	TT	1940300083
SNP_P1_73374_31379089	NC_021163.1	Ca_kabuli_chr04	31379089	AA	GG	1940300085
SNP_P1_73375_31379386	NC_021163.1	Ca_kabuli_chr04	31379386	AA	GG	1940300087
SNP_P1_73376_31379607	NC_021163.1	Ca_kabuli_chr04	31379607	CC	TT	1940300088
SNP_P1_73377_31379679	NC_021163.1	Ca_kabuli_chr04	31379679	AA	CC	1940300090
SNP_P1_73378_31381689	NC_021163.1	Ca_kabuli_chr04	31381689	TT	CC	1940300092
SNP_P1_73379_31385616	NC_021163.1	Ca_kabuli_chr04	31385616	GG	AA	1940300093
SNP_P1_73380_31385671	NC_021163.1	Ca_kabuli_chr04	31385671	CC	TT	1940300095
SNP_P1_73381_31385853	NC_021163.1	Ca_kabuli_chr04	31385853	TT	GG	1940300097
SNP_P1_73382_31385863	NC_021163.1	Ca_kabuli_chr04	31385863	CC	TT	1940300098
SNP_P1_73383_31387811	NC_021163.1	Ca_kabuli_chr04	31387811	GG	AA	1940300100
SNP_P1_73384_31388578	NC_021163.1	Ca_kabuli_chr04	31388578	CC	AA	1940300102
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SNP_P1_73386_31388697	NC_021163.1	Ca_kabuli_chr04	31388697	TT	CC	1940300105
SNP_P1_73387_31388802	NC_021163.1	Ca_kabuli_chr04	31388802	AA	GG	1940300107
SNP_P1_73388_31388980	NC_021163.1	Ca_kabuli_chr04	31388980	GG	AA	1940300108
SNP_P1_73389_31389128	NC_021163.1	Ca_kabuli_chr04	31389128	TT	CC	1940300110
SNP_P1_73390_31389561	NC_021163.1	Ca_kabuli_chr04	31389561	CC	TT	1940300112
SNP_P1_73391_31389564	NC_021163.1	Ca_kabuli_chr04	31389564	CC	AA	1940300113
SNP_P1_73392_31389570	NC_021163.1	Ca_kabuli_chr04	31389570	GG	CC	1940300115
SNP_P1_73393_31394981	NC_021163.1	Ca_kabuli_chr04	31394981	AA	GG	1940300117
SNP_P1_73394_31398874	NC_021163.1	Ca_kabuli_chr04	31398874	AA	CC	1940300118
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SNP_P1_73399_31400615	NC_021163.1	Ca_kabuli_chr04	31400615	AA	GG	1940300126
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SNP_P1_73401_31400814	NC_021163.1	Ca_kabuli_chr04	31400814	AA	GG	1940300130
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SNP_P1_73404_31400862	NC_021163.1	Ca_kabuli_chr04	31400862	AA	GG	1940300135
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SNP_P1_73406_31406287	NC_021163.1	Ca_kabuli_chr04	31406287	CC	TT	1940300138
SNP_P1_73408_31410522	NC_021163.1	Ca_kabuli_chr04	31410522	AA	TT	1940300140
SNP_P1_73409_31410541	NC_021163.1	Ca_kabuli_chr04	31410541	AA	CC	1940300141
SNP_P1_73410_31410580	NC_021163.1	Ca_kabuli_chr04	31410580	AA	TT	1940300143
SNP_P1_73411_31414748	NC_021163.1	Ca_kabuli_chr04	31414748	TT	CC	1940300145
SNP_P1_73412_31416258	NC_021163.1	Ca_kabuli_chr04	31416258	CC	TT	1940300146
SNP_P1_73413_31416297	NC_021163.1	Ca_kabuli_chr04	31416297	AA	CC	1940300148

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73416_31417388	NC_021163.1	Ca_kabuli_chr04	31417388	GG	AA	1940300153
SNP_P1_73419_31424571	NC_021163.1	Ca_kabuli_chr04	31424571	AA	GG	1940300155
SNP_P1_73421_31424774	NC_021163.1	Ca_kabuli_chr04	31424774	TT	CC	1940300156
SNP_P1_73422_31424858	NC_021163.1	Ca_kabuli_chr04	31424858	GG	AA	1940300158
SNP_P1_73423_31424909	NC_021163.1	Ca_kabuli_chr04	31424909	CC	TT	1940300160
SNP_P1_73424_31425097	NC_021163.1	Ca_kabuli_chr04	31425097	TT	CC	1940300161
SNP_P1_73425_31444983	NC_021163.1	Ca_kabuli_chr04	31444983	TT	CC	1940300163
SNP_P1_73426_31445165	NC_021163.1	Ca_kabuli_chr04	31445165	TT	CC	1940300164
SNP_P1_73427_31445198	NC_021163.1	Ca_kabuli_chr04	31445198	TT	CC	1940300166
SNP_P1_73428_31445200	NC_021163.1	Ca_kabuli_chr04	31445200	AA	GG	1940300168
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SNP_P1_73435_31450336	NC_021163.1	Ca_kabuli_chr04	31450336	CC	TT	1940300176
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SNP_P1_73438_31451874	NC_021163.1	Ca_kabuli_chr04	31451874	TT	GG	1940300179
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SNP_P1_73442_31452843	NC_021163.1	Ca_kabuli_chr04	31452843	AA	GG	1940300182
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SNP_P1_73446_31453027	NC_021163.1	Ca_kabuli_chr04	31453027	GG	AA	1940300187
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SNP_P1_73450_31453515	NC_021163.1	Ca_kabuli_chr04	31453515	GG	AA	1940300193
SNP_P1_73452_31460469	NC_021163.1	Ca_kabuli_chr04	31460469	TT	AA	1940300195
SNP_P1_73453_31460482	NC_021163.1	Ca_kabuli_chr04	31460482	AA	CC	1940300197
SNP_P1_73454_31460520	NC_021163.1	Ca_kabuli_chr04	31460520	GG	TT	1940300198
SNP_P1_73455_31460561	NC_021163.1	Ca_kabuli_chr04	31460561	TT	CC	1940300200
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SNP_P1_73457_31462980	NC_021163.1	Ca_kabuli_chr04	31462980	CC	TT	1940300203
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SNP_P1_73461_31463326	NC_021163.1	Ca_kabuli_chr04	31463326	GG	AA	1940300207
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SNP_P1_73465_31467918	NC_021163.1	Ca_kabuli_chr04	31467918	TT	CC	1940300213
SNP_P1_73466_31468245	NC_021163.1	Ca_kabuli_chr04	31468245	AA	GG	1940300215
SNP_P1_73467_31468429	NC_021163.1	Ca_kabuli_chr04	31468429	GG	AA	1940300217

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73469_31470393	NC_021163.1	Ca_kabuli_chr04	31470393	GG	AA	1940300220
SNP_P1_73470_31470643	NC_021163.1	Ca_kabuli_chr04	31470643	TT	CC	1940300222
SNP_P1_73471_31471156	NC_021163.1	Ca_kabuli_chr04	31471156	GG	AA	1940300223
SNP_P1_73472_31472734	NC_021163.1	Ca_kabuli_chr04	31472734	TT	GG	1940300225
SNP_P1_73473_31472892	NC_021163.1	Ca_kabuli_chr04	31472892	CC	TT	1940300226
SNP_P1_73474_31473409	NC_021163.1	Ca_kabuli_chr04	31473409	TT	CC	1940300228
SNP_P1_73475_31473952	NC_021163.1	Ca_kabuli_chr04	31473952	CC	TT	1940300230
SNP_P1_73476_31478363	NC_021163.1	Ca_kabuli_chr04	31478363	AA	GG	1940300231
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SNP_P1_73478_31491306	NC_021163.1	Ca_kabuli_chr04	31491306	AA	GG	1940300235
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SNP_P1_73480_31491411	NC_021163.1	Ca_kabuli_chr04	31491411	TT	CC	1940300238
SNP_P1_73481_31518716	NC_021163.1	Ca_kabuli_chr04	31518716	AA	TT	1940300240
SNP_P1_73482_31522565	NC_021163.1	Ca_kabuli_chr04	31522565	AA	GG	1940300241
SNP_P1_73483_31522690	NC_021163.1	Ca_kabuli_chr04	31522690	CC	AA	1940300243
SNP_P1_73484_31522982	NC_021163.1	Ca_kabuli_chr04	31522982	AA	GG	1940300245
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SNP_P1_73486_31527203	NC_021163.1	Ca_kabuli_chr04	31527203	CC	TT	1940300248
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SNP_P1_73513_31534845	NC_021163.1	Ca_kabuli_chr04	31534845	CC	AA	1940300283
SNP_P1_73514_31534850	NC_021163.1	Ca_kabuli_chr04	31534850	TT	GG	1940300284
SNP_P1_73515_31545472	NC_021163.1	Ca_kabuli_chr04	31545472	GG	CC	1940300286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73519_31546099	NC_021163.1	Ca_kabuli_chr04	31546099	GG	TT	1940300293
SNP_P1_73520_31548854	NC_021163.1	Ca_kabuli_chr04	31548854	AA	GG	1940300294
SNP_P1_73521_31548873	NC_021163.1	Ca_kabuli_chr04	31548873	TT	AA	1940300296
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SNP_P1_73536_31554819	NC_021163.1	Ca_kabuli_chr04	31554819	TT	GG	1940300314
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SNP_P1_73539_31555534	NC_021163.1	Ca_kabuli_chr04	31555534	CC	TT	1940300317
SNP_P1_73540_31555560	NC_021163.1	Ca_kabuli_chr04	31555560	CC	TT	1940300319
SNP_P1_73541_31555723	NC_021163.1	Ca_kabuli_chr04	31555723	AA	GG	1940300321
SNP_P1_73542_31556005	NC_021163.1	Ca_kabuli_chr04	31556005	GG	AA	1940300322
SNP_P1_73543_31556277	NC_021163.1	Ca_kabuli_chr04	31556277	AA	GG	1940300324
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SNP_P1_73546_31557778	NC_021163.1	Ca_kabuli_chr04	31557778	GG	TT	1940300329
SNP_P1_73547_31557832	NC_021163.1	Ca_kabuli_chr04	31557832	CC	TT	1940300331
SNP_P1_73548_31558050	NC_021163.1	Ca_kabuli_chr04	31558050	GG	AA	1940300332
SNP_P1_73550_31559438	NC_021163.1	Ca_kabuli_chr04	31559438	AA	GG	1940300334
SNP_P1_73551_31559450	NC_021163.1	Ca_kabuli_chr04	31559450	TT	GG	1940300336
SNP_P1_73552_31559483	NC_021163.1	Ca_kabuli_chr04	31559483	TT	CC	1940300337
SNP_P1_73553_31559520	NC_021163.1	Ca_kabuli_chr04	31559520	GG	AA	1940300339
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SNP_P1_73555_31560316	NC_021163.1	Ca_kabuli_chr04	31560316	TT	CC	1940300342
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SNP_P1_73558_31560628	NC_021163.1	Ca_kabuli_chr04	31560628	AA	GG	1940300346
SNP_P1_73559_31560812	NC_021163.1	Ca_kabuli_chr04	31560812	AA	TT	1940300347
SNP_P1_73560_31561057	NC_021163.1	Ca_kabuli_chr04	31561057	GG	AA	1940300349
SNP_P1_73561_31561325	NC_021163.1	Ca_kabuli_chr04	31561325	AA	GG	1940300350
SNP_P1_73562_31561426	NC_021163.1	Ca_kabuli_chr04	31561426	CC	TT	1940300352
SNP_P1_73563_31561903	NC_021163.1	Ca_kabuli_chr04	31561903	AA	GG	1940300354
SNP_P1_73564_31562081	NC_021163.1	Ca_kabuli_chr04	31562081	TT	AA	1940300355

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73566_31562240	NC_021163.1	Ca_kabuli_chr04	31562240	AA	GG	1940300359
SNP_P1_73567_31562271	NC_021163.1	Ca_kabuli_chr04	31562271	AA	GG	1940300360
SNP_P1_73568_31562337	NC_021163.1	Ca_kabuli_chr04	31562337	CC	TT	1940300362
SNP_P1_73569_31562370	NC_021163.1	Ca_kabuli_chr04	31562370	TT	CC	1940300364
SNP_P1_73570_31562726	NC_021163.1	Ca_kabuli_chr04	31562726	CC	TT	1940300365
SNP_P1_73571_31562736	NC_021163.1	Ca_kabuli_chr04	31562736	AA	GG	1940300367
SNP_P1_73572_31566848	NC_021163.1	Ca_kabuli_chr04	31566848	GG	AA	1940300369
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SNP_P1_73576_31569765	NC_021163.1	Ca_kabuli_chr04	31569765	TT	CC	1940300374
SNP_P1_73577_31569977	NC_021163.1	Ca_kabuli_chr04	31569977	GG	AA	1940300375
SNP_P1_73579_31570196	NC_021163.1	Ca_kabuli_chr04	31570196	CC	TT	1940300377
SNP_P1_73580_31571350	NC_021163.1	Ca_kabuli_chr04	31571350	AA	GG	1940300379
SNP_P1_73581_31571357	NC_021163.1	Ca_kabuli_chr04	31571357	GG	AA	1940300380
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SNP_P1_73589_31581685	NC_021163.1	Ca_kabuli_chr04	31581685	GG	AA	1940300394
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SNP_P1_73597_31606749	NC_021163.1	Ca_kabuli_chr04	31606749	GG	AA	1940300407
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SNP_P1_73600_31611335	NC_021163.1	Ca_kabuli_chr04	31611335	CC	TT	1940300410
SNP_P1_73601_31611392	NC_021163.1	Ca_kabuli_chr04	31611392	GG	AA	1940300412
SNP_P1_73602_31611826	NC_021163.1	Ca_kabuli_chr04	31611826	GG	AA	1940300413
SNP_P1_73605_31612446	NC_021163.1	Ca_kabuli_chr04	31612446	CC	TT	1940300415
SNP_P1_73607_31612978	NC_021163.1	Ca_kabuli_chr04	31612978	AA	GG	1940300417
SNP_P1_73608_31613775	NC_021163.1	Ca_kabuli_chr04	31613775	GG	CC	1940300418
SNP_P1_73609_31614319	NC_021163.1	Ca_kabuli_chr04	31614319	TT	AA	1940300420
SNP_P1_73610_31614685	NC_021163.1	Ca_kabuli_chr04	31614685	TT	GG	1940300422
SNP_P1_73611_31614702	NC_021163.1	Ca_kabuli_chr04	31614702	AA	GG	1940300423
SNP_P1_73612_31614792	NC_021163.1	Ca_kabuli_chr04	31614792	AA	TT	1940300425

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73614_31614809	NC_021163.1	Ca_kabuli_chr04	31614809	TT	CC	1940300428
SNP_P1_73615_31614824	NC_021163.1	Ca_kabuli_chr04	31614824	GG	AA	1940300430
SNP_P1_73616_31614857	NC_021163.1	Ca_kabuli_chr04	31614857	AA	TT	1940300432
SNP_P1_73618_31614864	NC_021163.1	Ca_kabuli_chr04	31614864	AA	GG	1940300433
SNP_P1_73619_31615434	NC_021163.1	Ca_kabuli_chr04	31615434	TT	CC	1940300435
SNP_P1_73620_31615439	NC_021163.1	Ca_kabuli_chr04	31615439	GG	AA	1940300437
SNP_P1_73622_31616593	NC_021163.1	Ca_kabuli_chr04	31616593	CC	TT	1940300438
SNP_P1_73624_31617270	NC_021163.1	Ca_kabuli_chr04	31617270	AA	GG	1940300440
SNP_P1_73625_31617707	NC_021163.1	Ca_kabuli_chr04	31617707	AA	TT	1940300441
SNP_P1_73626_31618001	NC_021163.1	Ca_kabuli_chr04	31618001	TT	CC	1940300443
SNP_P1_73627_31618031	NC_021163.1	Ca_kabuli_chr04	31618031	TT	GG	1940300445
SNP_P1_73628_31618179	NC_021163.1	Ca_kabuli_chr04	31618179	CC	TT	1940300446
SNP_P1_73629_31618217	NC_021163.1	Ca_kabuli_chr04	31618217	CC	AA	1940300448
SNP_P1_73630_31619044	NC_021163.1	Ca_kabuli_chr04	31619044	GG	AA	1940300450
SNP_P1_73631_31619071	NC_021163.1	Ca_kabuli_chr04	31619071	CC	TT	1940300451
SNP_P1_73632_31619074	NC_021163.1	Ca_kabuli_chr04	31619074	GG	AA	1940300453
SNP_P1_73633_31619397	NC_021163.1	Ca_kabuli_chr04	31619397	AA	GG	1940300455
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SNP_P1_73637_31620161	NC_021163.1	Ca_kabuli_chr04	31620161	AA	GG	1940300460
SNP_P1_73638_31620186	NC_021163.1	Ca_kabuli_chr04	31620186	TT	CC	1940300461
SNP_P1_73639_31620218	NC_021163.1	Ca_kabuli_chr04	31620218	TT	CC	1940300463
SNP_P1_73640_31620241	NC_021163.1	Ca_kabuli_chr04	31620241	TT	CC	1940300465
SNP_P1_73641_31620618	NC_021163.1	Ca_kabuli_chr04	31620618	TT	CC	1940300466
SNP_P1_73642_31620784	NC_021163.1	Ca_kabuli_chr04	31620784	GG	CC	1940300468
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SNP_P1_73648_31622077	NC_021163.1	Ca_kabuli_chr04	31622077	CC	TT	1940300475
SNP_P1_73649_31625476	NC_021163.1	Ca_kabuli_chr04	31625476	TT	CC	1940300476
SNP_P1_73650_31625483	NC_021163.1	Ca_kabuli_chr04	31625483	CC	AA	1940300478
SNP_P1_73652_31626238	NC_021163.1	Ca_kabuli_chr04	31626238	CC	TT	1940300480
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SNP_P1_73656_31626665	NC_021163.1	Ca_kabuli_chr04	31626665	AA	GG	1940300484
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SNP_P1_73658_31627123	NC_021163.1	Ca_kabuli_chr04	31627123	TT	CC	1940300488
SNP_P1_73659_31627679	NC_021163.1	Ca_kabuli_chr04	31627679	AA	GG	1940300489
SNP_P1_73660_31628016	NC_021163.1	Ca_kabuli_chr04	31628016	CC	AA	1940300491
SNP_P1_73661_31628324	NC_021163.1	Ca_kabuli_chr04	31628324	CC	AA	1940300493
SNP_P1_73662_31629583	NC_021163.1	Ca_kabuli_chr04	31629583	CC	AA	1940300494

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73664_31630016	NC_021163.1	Ca_kabuli_chr04	31630016	GG	TT	1940300498
SNP_P1_73665_31630032	NC_021163.1	Ca_kabuli_chr04	31630032	CC	TT	1940300499
SNP_P1_73666_31630110	NC_021163.1	Ca_kabuli_chr04	31630110	AA	GG	1940300501
SNP_P1_73667_31630369	NC_021163.1	Ca_kabuli_chr04	31630369	TT	CC	1940300503
SNP_P1_73668_31630493	NC_021163.1	Ca_kabuli_chr04	31630493	AA	GG	1940300504
SNP_P1_73670_31630560	NC_021163.1	Ca_kabuli_chr04	31630560	AA	GG	1940300506
SNP_P1_73672_31630605	NC_021163.1	Ca_kabuli_chr04	31630605	AA	GG	1940300508
SNP_P1_73673_31630733	NC_021163.1	Ca_kabuli_chr04	31630733	GG	TT	1940300509
SNP_P1_73675_31630959	NC_021163.1	Ca_kabuli_chr04	31630959	GG	AA	1940300511
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SNP_P1_73683_31632045	NC_021163.1	Ca_kabuli_chr04	31632045	AA	TT	1940300519
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SNP_P1_73686_31632210	NC_021163.1	Ca_kabuli_chr04	31632210	TT	CC	1940300524
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SNP_P1_73692_31634722	NC_021163.1	Ca_kabuli_chr04	31634722	CC	TT	1940300532
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SNP_P1_73701_31635950	NC_021163.1	Ca_kabuli_chr04	31635950	CC	TT	1940300542
SNP_P1_73702_31635956	NC_021163.1	Ca_kabuli_chr04	31635956	GG	AA	1940300544
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SNP_P1_73714_31637141	NC_021163.1	Ca_kabuli_chr04	31637141	AA	GG	1940300559
SNP_P1_73715_31637181	NC_021163.1	Ca_kabuli_chr04	31637181	GG	AA	1940300561
SNP_P1_73716_31637300	NC_021163.1	Ca_kabuli_chr04	31637300	AA	GG	1940300562
SNP_P1_73717_31638771	NC_021163.1	Ca_kabuli_chr04	31638771	CC	TT	1940300564

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73720_31638838	NC_021163.1	Ca_kabuli_chr04	31638838	CC	TT	1940300569
SNP_P1_73721_31639023	NC_021163.1	Ca_kabuli_chr04	31639023	AA	CC	1940300571
SNP_P1_73722_31639191	NC_021163.1	Ca_kabuli_chr04	31639191	AA	GG	1940300572
SNP_P1_73723_31639195	NC_021163.1	Ca_kabuli_chr04	31639195	GG	TT	1940300574
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SNP_P1_73725_31639407	NC_021163.1	Ca_kabuli_chr04	31639407	CC	TT	1940300577
SNP_P1_73726_31639527	NC_021163.1	Ca_kabuli_chr04	31639527	AA	CC	1940300579
SNP_P1_73728_31639705	NC_021163.1	Ca_kabuli_chr04	31639705	AA	GG	1940300580
SNP_P1_73729_31639716	NC_021163.1	Ca_kabuli_chr04	31639716	AA	TT	1940300582
SNP_P1_73730_31639732	NC_021163.1	Ca_kabuli_chr04	31639732	AA	TT	1940300584
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SNP_P1_73751_31644360	NC_021163.1	Ca_kabuli_chr04	31644360	AA	CC	1940300617
SNP_P1_73754_31644770	NC_021163.1	Ca_kabuli_chr04	31644770	AA	TT	1940300618
SNP_P1_73755_31644854	NC_021163.1	Ca_kabuli_chr04	31644854	AA	GG	1940300620
SNP_P1_73756_31644947	NC_021163.1	Ca_kabuli_chr04	31644947	TT	GG	1940300622
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SNP_P1_73760_31647379	NC_021163.1	Ca_kabuli_chr04	31647379	AA	GG	1940300625
SNP_P1_73763_31647808	NC_021163.1	Ca_kabuli_chr04	31647808	GG	TT	1940300627
SNP_P1_73764_31647841	NC_021163.1	Ca_kabuli_chr04	31647841	TT	CC	1940300628
SNP_P1_73766_31648189	NC_021163.1	Ca_kabuli_chr04	31648189	AA	TT	1940300630
SNP_P1_73767_31648589	NC_021163.1	Ca_kabuli_chr04	31648589	GG	AA	1940300632
SNP_P1_73769_31649906	NC_021163.1	Ca_kabuli_chr04	31649906	GG	AA	1940300633

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_73772_31651604	NC_021163.1	Ca_kabuli_chr04	31651604	TT	CC	1940300636
SNP_P1_73773_31652160	NC_021163.1	Ca_kabuli_chr04	31652160	TT	GG	1940300637
SNP_P1_73775_31652445	NC_021163.1	Ca_kabuli_chr04	31652445	TT	CC	1940300639
SNP_P1_73776_31652450	NC_021163.1	Ca_kabuli_chr04	31652450	GG	AA	1940300641
SNP_P1_73777_31652455	NC_021163.1	Ca_kabuli_chr04	31652455	TT	CC	1940300642
SNP_P1_73778_31652463	NC_021163.1	Ca_kabuli_chr04	31652463	GG	AA	1940300644
SNP_P1_73780_31653167	NC_021163.1	Ca_kabuli_chr04	31653167	CC	AA	1940300646
SNP_P1_73781_31653177	NC_021163.1	Ca_kabuli_chr04	31653177	GG	TT	1940300647
SNP_P1_73782_31653230	NC_021163.1	Ca_kabuli_chr04	31653230	TT	AA	1940300649
SNP_P1_73784_31653259	NC_021163.1	Ca_kabuli_chr04	31653259	TT	GG	1940300651
SNP_P1_73785_31653455	NC_021163.1	Ca_kabuli_chr04	31653455	TT	CC	1940300652
SNP_P1_73786_31653724	NC_021163.1	Ca_kabuli_chr04	31653724	TT	GG	1940300654
SNP_P1_73788_31653866	NC_021163.1	Ca_kabuli_chr04	31653866	GG	AA	1940300656
SNP_P1_73789_31653900	NC_021163.1	Ca_kabuli_chr04	31653900	TT	CC	1940300657
SNP_P1_73790_31654089	NC_021163.1	Ca_kabuli_chr04	31654089	TT	CC	1940300659
SNP_P1_73791_31654104	NC_021163.1	Ca_kabuli_chr04	31654104	AA	GG	1940300661
SNP_P1_73792_31657690	NC_021163.1	Ca_kabuli_chr04	31657690	GG	AA	1940300662
SNP_P1_73793_31657691	NC_021163.1	Ca_kabuli_chr04	31657691	GG	AA	1940300664
SNP_P1_73795_31667332	NC_021163.1	Ca_kabuli_chr04	31667332	CC	AA	1940300666
SNP_P1_73798_31671713	NC_021163.1	Ca_kabuli_chr04	31671713	CC	AA	1940300667
SNP_P1_73799_31671792	NC_021163.1	Ca_kabuli_chr04	31671792	TT	GG	1940300669
SNP_P1_73800_31671898	NC_021163.1	Ca_kabuli_chr04	31671898	CC	TT	1940300671
SNP_P1_73801_31671930	NC_021163.1	Ca_kabuli_chr04	31671930	GG	AA	1940300672
SNP_P1_73802_31672005	NC_021163.1	Ca_kabuli_chr04	31672005	AA	CC	1940300674
SNP_P1_73803_31672027	NC_021163.1	Ca_kabuli_chr04	31672027	AA	GG	1940300676
SNP_P1_73804_31672244	NC_021163.1	Ca_kabuli_chr04	31672244	TT	CC	1940300677
SNP_P1_73805_31673634	NC_021163.1	Ca_kabuli_chr04	31673634	GG	CC	1940300679
SNP_P1_73806_31675080	NC_021163.1	Ca_kabuli_chr04	31675080	TT	CC	1940300681
SNP_P1_73807_31675291	NC_021163.1	Ca_kabuli_chr04	31675291	CC	TT	1940300682
SNP_P1_73808_31676433	NC_021163.1	Ca_kabuli_chr04	31676433	AA	GG	1940300684
SNP_P1_73810_31683622	NC_021163.1	Ca_kabuli_chr04	31683622	CC	TT	1940300686
SNP_P1_73811_31683809	NC_021163.1	Ca_kabuli_chr04	31683809	CC	TT	1940300687
SNP_P1_73812_31683874	NC_021163.1	Ca_kabuli_chr04	31683874	CC	AA	1940300689
SNP_P1_73813_31684236	NC_021163.1	Ca_kabuli_chr04	31684236	CC	AA	1940300690
SNP_P1_73815_31689950	NC_021163.1	Ca_kabuli_chr04	31689950	AA	TT	1940300692
SNP_P1_73816_31690535	NC_021163.1	Ca_kabuli_chr04	31690535	TT	CC	1940300694
SNP_P1_73817_31690709	NC_021163.1	Ca_kabuli_chr04	31690709	CC	TT	1940300695
SNP_P1_73818_31701308	NC_021163.1	Ca_kabuli_chr04	31701308	GG	TT	1940300697
SNP_P1_73819_31703189	NC_021163.1	Ca_kabuli_chr04	31703189	AA	GG	1940300699
SNP_P1_73820_31706897	NC_021163.1	Ca_kabuli_chr04	31706897	CC	TT	1940300700
SNP_P1_73821_31710056	NC_021163.1	Ca_kabuli_chr04	31710056	AA	CC	1940300702
SNP_P1_73822_31711761	NC_021163.1	Ca_kabuli_chr04	31711761	TT	AA	1940300704

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73824_31712507	NC_021163.1	Ca_kabuli_chr04	31712507	AA	GG	1940300707
SNP_P1_73829_31715121	NC_021163.1	Ca_kabuli_chr04	31715121	CC	AA	1940300709
SNP_P1_73830_31715143	NC_021163.1	Ca_kabuli_chr04	31715143	AA	TT	1940300710
SNP_P1_73831_31716961	NC_021163.1	Ca_kabuli_chr04	31716961	GG	AA	1940300712
SNP_P1_73833_31718940	NC_021163.1	Ca_kabuli_chr04	31718940	CC	AA	1940300714
SNP_P1_73834_31719352	NC_021163.1	Ca_kabuli_chr04	31719352	CC	TT	1940300715
SNP_P1_73835_31719900	NC_021163.1	Ca_kabuli_chr04	31719900	AA	GG	1940300717
SNP_P1_73836_31721937	NC_021163.1	Ca_kabuli_chr04	31721937	CC	TT	1940300719
SNP_P1_73837_31721998	NC_021163.1	Ca_kabuli_chr04	31721998	TT	CC	1940300720
SNP_P1_73838_31722151	NC_021163.1	Ca_kabuli_chr04	31722151	CC	AA	1940300722
SNP_P1_73841_31734288	NC_021163.1	Ca_kabuli_chr04	31734288	CC	AA	1940300724
SNP_P1_73842_31734364	NC_021163.1	Ca_kabuli_chr04	31734364	GG	AA	1940300725
SNP_P1_73843_31735142	NC_021163.1	Ca_kabuli_chr04	31735142	TT	CC	1940300727
SNP_P1_73846_31737101	NC_021163.1	Ca_kabuli_chr04	31737101	CC	TT	1940300729
SNP_P1_73847_31737608	NC_021163.1	Ca_kabuli_chr04	31737608	GG	AA	1940300730
SNP_P1_73848_31745404	NC_021163.1	Ca_kabuli_chr04	31745404	GG	TT	1940300732
SNP_P1_73849_31750849	NC_021163.1	Ca_kabuli_chr04	31750849	GG	AA	1940300733
SNP_P1_73850_31751653	NC_021163.1	Ca_kabuli_chr04	31751653	CC	TT	1940300735
SNP_P1_73851_31752359	NC_021163.1	Ca_kabuli_chr04	31752359	CC	TT	1940300737
SNP_P1_73853_31754050	NC_021163.1	Ca_kabuli_chr04	31754050	AA	GG	1940300738
SNP_P1_73854_31757035	NC_021163.1	Ca_kabuli_chr04	31757035	TT	GG	1940300740
SNP_P1_73855_31757282	NC_021163.1	Ca_kabuli_chr04	31757282	CC	AA	1940300742
SNP_P1_73856_31757299	NC_021163.1	Ca_kabuli_chr04	31757299	AA	TT	1940300743
SNP_P1_73858_31758342	NC_021163.1	Ca_kabuli_chr04	31758342	GG	AA	1940300745
SNP_P1_73859_31758641	NC_021163.1	Ca_kabuli_chr04	31758641	GG	AA	1940300747
SNP_P1_73860_31758651	NC_021163.1	Ca_kabuli_chr04	31758651	GG	AA	1940300748
SNP_P1_73861_31759961	NC_021163.1	Ca_kabuli_chr04	31759961	AA	GG	1940300750
SNP_P1_73863_31765055	NC_021163.1	Ca_kabuli_chr04	31765055	AA	TT	1940300752
SNP_P1_73864_31765077	NC_021163.1	Ca_kabuli_chr04	31765077	CC	TT	1940300753
SNP_P1_73865_31768161	NC_021163.1	Ca_kabuli_chr04	31768161	CC	TT	1940300755
SNP_P1_73867_31770436	NC_021163.1	Ca_kabuli_chr04	31770436	AA	GG	1940300757
SNP_P1_73869_31772811	NC_021163.1	Ca_kabuli_chr04	31772811	AA	GG	1940300758
SNP_P1_73870_31774012	NC_021163.1	Ca_kabuli_chr04	31774012	AA	GG	1940300760
SNP_P1_73871_31774093	NC_021163.1	Ca_kabuli_chr04	31774093	GG	AA	1940300762
SNP_P1_73872_31774775	NC_021163.1	Ca_kabuli_chr04	31774775	TT	CC	1940300763
SNP_P1_73873_31775130	NC_021163.1	Ca_kabuli_chr04	31775130	TT	CC	1940300765
SNP_P1_73874_31775157	NC_021163.1	Ca_kabuli_chr04	31775157	TT	GG	1940300767
SNP_P1_73876_31780403	NC_021163.1	Ca_kabuli_chr04	31780403	TT	CC	1940300768
SNP_P1_73877_31780432	NC_021163.1	Ca_kabuli_chr04	31780432	GG	AA	1940300770
SNP_P1_73878_31781757	NC_021163.1	Ca_kabuli_chr04	31781757	TT	CC	1940300771
SNP_P1_73879_31781811	NC_021163.1	Ca_kabuli_chr04	31781811	CC	TT	1940300773

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73881_31781857	NC_021163.1	Ca_kabuli_chr04	31781857	TT	CC	1940300776
SNP_P1_73882_31781878	NC_021163.1	Ca_kabuli_chr04	31781878	TT	CC	1940300778
SNP_P1_73883_31787473	NC_021163.1	Ca_kabuli_chr04	31787473	TT	GG	1940300780
SNP_P1_73884_31789355	NC_021163.1	Ca_kabuli_chr04	31789355	AA	TT	1940300781
SNP_P1_73885_31790030	NC_021163.1	Ca_kabuli_chr04	31790030	TT	GG	1940300783
SNP_P1_73887_31790071	NC_021163.1	Ca_kabuli_chr04	31790071	GG	TT	1940300785
SNP_P1_73888_31791736	NC_021163.1	Ca_kabuli_chr04	31791736	TT	AA	1940300786
SNP_P1_73889_31793084	NC_021163.1	Ca_kabuli_chr04	31793084	AA	TT	1940300788
SNP_P1_73890_31794144	NC_021163.1	Ca_kabuli_chr04	31794144	CC	TT	1940300789
SNP_P1_73891_31795568	NC_021163.1	Ca_kabuli_chr04	31795568	CC	TT	1940300791
SNP_P1_73892_31795632	NC_021163.1	Ca_kabuli_chr04	31795632	AA	GG	1940300793
SNP_P1_73893_31797527	NC_021163.1	Ca_kabuli_chr04	31797527	TT	CC	1940300794
SNP_P1_73895_31797959	NC_021163.1	Ca_kabuli_chr04	31797959	CC	TT	1940300796
SNP_P1_73896_31798136	NC_021163.1	Ca_kabuli_chr04	31798136	TT	CC	1940300798
SNP_P1_73897_31798334	NC_021163.1	Ca_kabuli_chr04	31798334	CC	AA	1940300799
SNP_P1_73898_31800238	NC_021163.1	Ca_kabuli_chr04	31800238	CC	TT	1940300801
SNP_P1_73899_31800667	NC_021163.1	Ca_kabuli_chr04	31800667	TT	AA	1940300803
SNP_P1_73900_31801374	NC_021163.1	Ca_kabuli_chr04	31801374	AA	CC	1940300804
SNP_P1_73901_31801621	NC_021163.1	Ca_kabuli_chr04	31801621	GG	AA	1940300806
SNP_P1_73902_31804066	NC_021163.1	Ca_kabuli_chr04	31804066	GG	AA	1940300808
SNP_P1_73903_31804405	NC_021163.1	Ca_kabuli_chr04	31804405	CC	TT	1940300809
SNP_P1_73905_31810510	NC_021163.1	Ca_kabuli_chr04	31810510	AA	GG	1940300811
SNP_P1_73906_31810526	NC_021163.1	Ca_kabuli_chr04	31810526	AA	GG	1940300813
SNP_P1_73907_31812236	NC_021163.1	Ca_kabuli_chr04	31812236	CC	TT	1940300814
SNP_P1_73908_31812253	NC_021163.1	Ca_kabuli_chr04	31812253	GG	AA	1940300816
SNP_P1_73909_31813145	NC_021163.1	Ca_kabuli_chr04	31813145	CC	TT	1940300818
SNP_P1_73910_31813602	NC_021163.1	Ca_kabuli_chr04	31813602	AA	CC	1940300819
SNP_P1_73911_31814205	NC_021163.1	Ca_kabuli_chr04	31814205	TT	AA	1940300821
SNP_P1_73912_31814643	NC_021163.1	Ca_kabuli_chr04	31814643	TT	CC	1940300823
SNP_P1_73913_31814777	NC_021163.1	Ca_kabuli_chr04	31814777	TT	CC	1940300824
SNP_P1_73914_31815905	NC_021163.1	Ca_kabuli_chr04	31815905	AA	CC	1940300826
SNP_P1_73916_31816921	NC_021163.1	Ca_kabuli_chr04	31816921	TT	AA	1940300827
SNP_P1_73919_31822942	NC_021163.1	Ca_kabuli_chr04	31822942	TT	CC	1940300829
SNP_P1_73920_31823317	NC_021163.1	Ca_kabuli_chr04	31823317	CC	TT	1940300831
SNP_P1_73921_31824905	NC_021163.1	Ca_kabuli_chr04	31824905	CC	TT	1940300832
SNP_P1_73923_31825540	NC_021163.1	Ca_kabuli_chr04	31825540	TT	AA	1940300834
SNP_P1_73925_31825837	NC_021163.1	Ca_kabuli_chr04	31825837	TT	AA	1940300836
SNP_P1_73926_31826329	NC_021163.1	Ca_kabuli_chr04	31826329	TT	CC	1940300837
SNP_P1_73927_31826422	NC_021163.1	Ca_kabuli_chr04	31826422	CC	TT	1940300839
SNP_P1_73928_31827678	NC_021163.1	Ca_kabuli_chr04	31827678	TT	GG	1940300841
SNP_P1_73929_31831837	NC_021163.1	Ca_kabuli_chr04	31831837	AA	TT	1940300842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73931_31832079	NC_021163.1	Ca_kabuli_chr04	31832079	TT	CC	1940300846
SNP_P1_73932_31832157	NC_021163.1	Ca_kabuli_chr04	31832157	GG	TT	1940300847
SNP_P1_73933_31832301	NC_021163.1	Ca_kabuli_chr04	31832301	CC	GG	1940300849
SNP_P1_73934_31832471	NC_021163.1	Ca_kabuli_chr04	31832471	TT	CC	1940300851
SNP_P1_73935_31835173	NC_021163.1	Ca_kabuli_chr04	31835173	GG	AA	1940300852
SNP_P1_73937_31837534	NC_021163.1	Ca_kabuli_chr04	31837534	CC	AA	1940300854
SNP_P1_73938_31847055	NC_021163.1	Ca_kabuli_chr04	31847055	CC	TT	1940300856
SNP_P1_73939_31850208	NC_021163.1	Ca_kabuli_chr04	31850208	GG	TT	1940300857
SNP_P1_73940_31850281	NC_021163.1	Ca_kabuli_chr04	31850281	AA	TT	1940300859
SNP_P1_73942_31855457	NC_021163.1	Ca_kabuli_chr04	31855457	TT	CC	1940300861
SNP_P1_73943_31855791	NC_021163.1	Ca_kabuli_chr04	31855791	TT	CC	1940300862
SNP_P1_73944_31857097	NC_021163.1	Ca_kabuli_chr04	31857097	CC	TT	1940300864
SNP_P1_73945_31858832	NC_021163.1	Ca_kabuli_chr04	31858832	TT	CC	1940300866
SNP_P1_73947_31860862	NC_021163.1	Ca_kabuli_chr04	31860862	CC	GG	1940300867
SNP_P1_73948_31863624	NC_021163.1	Ca_kabuli_chr04	31863624	GG	TT	1940300869
SNP_P1_73949_31865450	NC_021163.1	Ca_kabuli_chr04	31865450	TT	CC	1940300870
SNP_P1_73950_31866404	NC_021163.1	Ca_kabuli_chr04	31866404	GG	AA	1940300872
SNP_P1_73951_31867163	NC_021163.1	Ca_kabuli_chr04	31867163	CC	GG	1940300874
SNP_P1_73952_31870053	NC_021163.1	Ca_kabuli_chr04	31870053	TT	CC	1940300875
SNP_P1_73953_31871113	NC_021163.1	Ca_kabuli_chr04	31871113	AA	GG	1940300877
SNP_P1_73955_31871920	NC_021163.1	Ca_kabuli_chr04	31871920	TT	CC	1940300879
SNP_P1_73956_31872440	NC_021163.1	Ca_kabuli_chr04	31872440	AA	CC	1940300880
SNP_P1_73957_31873134	NC_021163.1	Ca_kabuli_chr04	31873134	AA	TT	1940300882
SNP_P1_73958_31873218	NC_021163.1	Ca_kabuli_chr04	31873218	CC	AA	1940300884
SNP_P1_73959_31873383	NC_021163.1	Ca_kabuli_chr04	31873383	GG	AA	1940300885
SNP_P1_73960_31873791	NC_021163.1	Ca_kabuli_chr04	31873791	TT	GG	1940300887
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SNP_P1_73963_31873939	NC_021163.1	Ca_kabuli_chr04	31873939	AA	TT	1940300890
SNP_P1_73964_31881740	NC_021163.1	Ca_kabuli_chr04	31881740	GG	TT	1940300892
SNP_P1_73966_31885223	NC_021163.1	Ca_kabuli_chr04	31885223	CC	TT	1940300894
SNP_P1_73967_31886025	NC_021163.1	Ca_kabuli_chr04	31886025	CC	TT	1940300895
SNP_P1_73968_31886042	NC_021163.1	Ca_kabuli_chr04	31886042	AA	TT	1940300897
SNP_P1_73969_31886048	NC_021163.1	Ca_kabuli_chr04	31886048	GG	AA	1940300899
SNP_P1_73970_31886131	NC_021163.1	Ca_kabuli_chr04	31886131	CC	TT	1940300900
SNP_P1_73971_31886159	NC_021163.1	Ca_kabuli_chr04	31886159	AA	GG	1940300902
SNP_P1_73972_31886773	NC_021163.1	Ca_kabuli_chr04	31886773	GG	CC	1940300904
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SNP_P1_73974_31887000	NC_021163.1	Ca_kabuli_chr04	31887000	CC	TT	1940300907
SNP_P1_73975_31887538	NC_021163.1	Ca_kabuli_chr04	31887538	TT	AA	1940300908
SNP_P1_73976_31887541	NC_021163.1	Ca_kabuli_chr04	31887541	GG	AA	1940300910
SNP_P1_73977_31887569	NC_021163.1	Ca_kabuli_chr04	31887569	GG	AA	1940300912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_73980_31891365	NC_021163.1	Ca_kabuli_chr04	31891365	TT	GG	1940300917
SNP_P1_73981_31891756	NC_021163.1	Ca_kabuli_chr04	31891756	TT	CC	1940300918
SNP_P1_73982_31891982	NC_021163.1	Ca_kabuli_chr04	31891982	GG	AA	1940300920
SNP_P1_73984_31892272	NC_021163.1	Ca_kabuli_chr04	31892272	TT	CC	1940300922
SNP_P1_73986_31892359	NC_021163.1	Ca_kabuli_chr04	31892359	AA	GG	1940300923
SNP_P1_73987_31894327	NC_021163.1	Ca_kabuli_chr04	31894327	TT	CC	1940300925
SNP_P1_73988_31895654	NC_021163.1	Ca_kabuli_chr04	31895654	CC	AA	1940300927
SNP_P1_73989_31895665	NC_021163.1	Ca_kabuli_chr04	31895665	TT	CC	1940300928
SNP_P1_73990_31904521	NC_021163.1	Ca_kabuli_chr04	31904521	AA	GG	1940300930
SNP_P1_73991_31908095	NC_021163.1	Ca_kabuli_chr04	31908095	TT	CC	1940300932
SNP_P1_73992_31908146	NC_021163.1	Ca_kabuli_chr04	31908146	TT	CC	1940300933
SNP_P1_73993_31909417	NC_021163.1	Ca_kabuli_chr04	31909417	TT	CC	1940300935
SNP_P1_73994_31910527	NC_021163.1	Ca_kabuli_chr04	31910527	AA	GG	1940300937
SNP_P1_73995_31911863	NC_021163.1	Ca_kabuli_chr04	31911863	CC	TT	1940300938
SNP_P1_73996_31915274	NC_021163.1	Ca_kabuli_chr04	31915274	GG	AA	1940300940
SNP_P1_73998_31915431	NC_021163.1	Ca_kabuli_chr04	31915431	AA	GG	1940300942
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SNP_P1_74000_31915803	NC_021163.1	Ca_kabuli_chr04	31915803	GG	TT	1940300945
SNP_P1_74001_31916136	NC_021163.1	Ca_kabuli_chr04	31916136	TT	CC	1940300947
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SNP_P1_74012_31919550	NC_021163.1	Ca_kabuli_chr04	31919550	GG	AA	1940300960
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SNP_P1_74018_31928491	NC_021163.1	Ca_kabuli_chr04	31928491	TT	CC	1940300970
SNP_P1_74019_31928769	NC_021163.1	Ca_kabuli_chr04	31928769	GG	CC	1940300971
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SNP_P1_74021_31929144	NC_021163.1	Ca_kabuli_chr04	31929144	TT	CC	1940300975
SNP_P1_74022_31929490	NC_021163.1	Ca_kabuli_chr04	31929490	TT	AA	1940300976
SNP_P1_74025_31932452	NC_021163.1	Ca_kabuli_chr04	31932452	CC	TT	1940300978
SNP_P1_74027_31935908	NC_021163.1	Ca_kabuli_chr04	31935908	CC	TT	1940300980
SNP_P1_74028_31936145	NC_021163.1	Ca_kabuli_chr04	31936145	GG	AA	1940300981

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74032_31938134	NC_021163.1	Ca_kabuli_chr04	31938134	TT	CC	1940300986
SNP_P1_74033_31938191	NC_021163.1	Ca_kabuli_chr04	31938191	TT	CC	1940300988
SNP_P1_74034_31938222	NC_021163.1	Ca_kabuli_chr04	31938222	TT	GG	1940300989
SNP_P1_74036_31941431	NC_021163.1	Ca_kabuli_chr04	31941431	GG	AA	1940300991
SNP_P1_74037_31941768	NC_021163.1	Ca_kabuli_chr04	31941768	AA	GG	1940300993
SNP_P1_74038_31943147	NC_021163.1	Ca_kabuli_chr04	31943147	TT	CC	1940300994
SNP_P1_74039_31945312	NC_021163.1	Ca_kabuli_chr04	31945312	CC	AA	1940300996
SNP_P1_74040_31946214	NC_021163.1	Ca_kabuli_chr04	31946214	AA	GG	1940300998
SNP_P1_74042_31949330	NC_021163.1	Ca_kabuli_chr04	31949330	CC	AA	1940300999
SNP_P1_74043_31949637	NC_021163.1	Ca_kabuli_chr04	31949637	CC	TT	1940301001
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SNP_P1_74048_31953614	NC_021163.1	Ca_kabuli_chr04	31953614	AA	TT	1940301009
SNP_P1_74050_31953693	NC_021163.1	Ca_kabuli_chr04	31953693	TT	GG	1940301011
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SNP_P1_74052_31954305	NC_021163.1	Ca_kabuli_chr04	31954305	CC	GG	1940301014
SNP_P1_74053_31954330	NC_021163.1	Ca_kabuli_chr04	31954330	AA	GG	1940301016
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SNP_P1_74057_31955241	NC_021163.1	Ca_kabuli_chr04	31955241	TT	AA	1940301021
SNP_P1_74058_31957184	NC_021163.1	Ca_kabuli_chr04	31957184	AA	CC	1940301023
SNP_P1_74060_31959691	NC_021163.1	Ca_kabuli_chr04	31959691	GG	TT	1940301024
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SNP_P1_74062_31959701	NC_021163.1	Ca_kabuli_chr04	31959701	AA	GG	1940301028
SNP_P1_74063_31959709	NC_021163.1	Ca_kabuli_chr04	31959709	CC	TT	1940301029
SNP_P1_74064_31959729	NC_021163.1	Ca_kabuli_chr04	31959729	TT	AA	1940301031
SNP_P1_74065_31959945	NC_021163.1	Ca_kabuli_chr04	31959945	AA	GG	1940301032
SNP_P1_74066_31959964	NC_021163.1	Ca_kabuli_chr04	31959964	CC	AA	1940301034
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SNP_P1_74069_31960231	NC_021163.1	Ca_kabuli_chr04	31960231	TT	CC	1940301039
SNP_P1_74070_31960362	NC_021163.1	Ca_kabuli_chr04	31960362	TT	CC	1940301041
SNP_P1_74071_31960375	NC_021163.1	Ca_kabuli_chr04	31960375	TT	CC	1940301042
SNP_P1_74072_31960391	NC_021163.1	Ca_kabuli_chr04	31960391	CC	TT	1940301044
SNP_P1_74073_31960447	NC_021163.1	Ca_kabuli_chr04	31960447	GG	AA	1940301046
SNP_P1_74074_31960459	NC_021163.1	Ca_kabuli_chr04	31960459	TT	GG	1940301047
SNP_P1_74075_31960465	NC_021163.1	Ca_kabuli_chr04	31960465	CC	TT	1940301049
SNP_P1_74076_31960612	NC_021163.1	Ca_kabuli_chr04	31960612	TT	GG	1940301051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74079_31960665	NC_021163.1	Ca_kabuli_chr04	31960665	TT	CC	1940301056
SNP_P1_74080_31962515	NC_021163.1	Ca_kabuli_chr04	31962515	CC	TT	1940301057
SNP_P1_74081_31962545	NC_021163.1	Ca_kabuli_chr04	31962545	CC	TT	1940301059
SNP_P1_74082_31962821	NC_021163.1	Ca_kabuli_chr04	31962821	AA	CC	1940301061
SNP_P1_74083_31963161	NC_021163.1	Ca_kabuli_chr04	31963161	AA	GG	1940301062
SNP_P1_74084_31963404	NC_021163.1	Ca_kabuli_chr04	31963404	CC	TT	1940301064
SNP_P1_74085_31963426	NC_021163.1	Ca_kabuli_chr04	31963426	AA	GG	1940301066
SNP_P1_74086_31963432	NC_021163.1	Ca_kabuli_chr04	31963432	CC	AA	1940301067
SNP_P1_74087_31963441	NC_021163.1	Ca_kabuli_chr04	31963441	CC	TT	1940301069
SNP_P1_74088_31963443	NC_021163.1	Ca_kabuli_chr04	31963443	CC	TT	1940301071
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SNP_P1_74093_31966394	NC_021163.1	Ca_kabuli_chr04	31966394	TT	CC	1940301077
SNP_P1_74096_31967704	NC_021163.1	Ca_kabuli_chr04	31967704	AA	GG	1940301079
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SNP_P1_74104_31973278	NC_021163.1	Ca_kabuli_chr04	31973278	TT	CC	1940301089
SNP_P1_74105_31973437	NC_021163.1	Ca_kabuli_chr04	31973437	CC	TT	1940301090
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SNP_P1_74108_31973534	NC_021163.1	Ca_kabuli_chr04	31973534	AA	GG	1940301095
SNP_P1_74109_31973553	NC_021163.1	Ca_kabuli_chr04	31973553	CC	TT	1940301097
SNP_P1_74110_31973554	NC_021163.1	Ca_kabuli_chr04	31973554	AA	TT	1940301099
SNP_P1_74112_31973887	NC_021163.1	Ca_kabuli_chr04	31973887	GG	CC	1940301100
SNP_P1_74114_31974116	NC_021163.1	Ca_kabuli_chr04	31974116	AA	TT	1940301102
SNP_P1_74115_31974117	NC_021163.1	Ca_kabuli_chr04	31974117	TT	CC	1940301104
SNP_P1_74117_31974209	NC_021163.1	Ca_kabuli_chr04	31974209	TT	GG	1940301105
SNP_P1_74118_31974225	NC_021163.1	Ca_kabuli_chr04	31974225	CC	TT	1940301107
SNP_P1_74119_31974234	NC_021163.1	Ca_kabuli_chr04	31974234	AA	CC	1940301109
SNP_P1_74120_31974235	NC_021163.1	Ca_kabuli_chr04	31974235	GG	TT	1940301110
SNP_P1_74121_31974237	NC_021163.1	Ca_kabuli_chr04	31974237	TT	GG	1940301112
SNP_P1_74122_31974399	NC_021163.1	Ca_kabuli_chr04	31974399	AA	CC	1940301113
SNP_P1_74123_31974414	NC_021163.1	Ca_kabuli_chr04	31974414	AA	GG	1940301115
SNP_P1_74124_31974424	NC_021163.1	Ca_kabuli_chr04	31974424	GG	AA	1940301117
SNP_P1_74125_31974429	NC_021163.1	Ca_kabuli_chr04	31974429	TT	AA	1940301118
SNP_P1_74126_31974517	NC_021163.1	Ca_kabuli_chr04	31974517	CC	TT	1940301120

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74128_31974560	NC_021163.1	Ca_kabuli_chr04	31974560	AA	GG	1940301123
SNP_P1_74129_31974880	NC_021163.1	Ca_kabuli_chr04	31974880	GG	CC	1940301125
SNP_P1_74131_31974944	NC_021163.1	Ca_kabuli_chr04	31974944	TT	CC	1940301127
SNP_P1_74132_31975564	NC_021163.1	Ca_kabuli_chr04	31975564	GG	CC	1940301128
SNP_P1_74133_31975784	NC_021163.1	Ca_kabuli_chr04	31975784	CC	AA	1940301130
SNP_P1_74134_31975804	NC_021163.1	Ca_kabuli_chr04	31975804	AA	GG	1940301132
SNP_P1_74135_31975816	NC_021163.1	Ca_kabuli_chr04	31975816	CC	TT	1940301133
SNP_P1_74136_31975936	NC_021163.1	Ca_kabuli_chr04	31975936	TT	CC	1940301134
SNP_P1_74137_31975997	NC_021163.1	Ca_kabuli_chr04	31975997	AA	GG	1940301136
SNP_P1_74138_31976005	NC_021163.1	Ca_kabuli_chr04	31976005	CC	TT	1940301138
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SNP_P1_74143_31976363	NC_021163.1	Ca_kabuli_chr04	31976363	GG	AA	1940301146
SNP_P1_74144_31976566	NC_021163.1	Ca_kabuli_chr04	31976566	AA	TT	1940301148
SNP_P1_74145_31976581	NC_021163.1	Ca_kabuli_chr04	31976581	CC	TT	1940301149
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SNP_P1_74152_31978138	NC_021163.1	Ca_kabuli_chr04	31978138	CC	AA	1940301159
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SNP_P1_74169_31988472	NC_021163.1	Ca_kabuli_chr04	31988472	AA	CC	1940301186
SNP_P1_74170_31989291	NC_021163.1	Ca_kabuli_chr04	31989291	GG	AA	1940301188
SNP_P1_74171_31989292	NC_021163.1	Ca_kabuli_chr04	31989292	GG	TT	1940301190

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74176_31989501	NC_021163.1	Ca_kabuli_chr04	31989501	GG	AA	1940301198
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SNP_P1_74183_31990362	NC_021163.1	Ca_kabuli_chr04	31990362	GG	TT	1940301208
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SNP_P1_74190_31991659	NC_021163.1	Ca_kabuli_chr04	31991659	AA	CC	1940301218
SNP_P1_74191_31991755	NC_021163.1	Ca_kabuli_chr04	31991755	AA	CC	1940301220
SNP_P1_74192_31991798	NC_021163.1	Ca_kabuli_chr04	31991798	CC	GG	1940301221
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SNP_P1_74194_31991908	NC_021163.1	Ca_kabuli_chr04	31991908	TT	GG	1940301224
SNP_P1_74195_31992070	NC_021163.1	Ca_kabuli_chr04	31992070	AA	GG	1940301226
SNP_P1_74196_31992197	NC_021163.1	Ca_kabuli_chr04	31992197	GG	CC	1940301228
SNP_P1_74197_31992417	NC_021163.1	Ca_kabuli_chr04	31992417	TT	CC	1940301229
SNP_P1_74198_31992434	NC_021163.1	Ca_kabuli_chr04	31992434	GG	CC	1940301231
SNP_P1_74199_31992481	NC_021163.1	Ca_kabuli_chr04	31992481	AA	GG	1940301233
SNP_P1_74200_31992502	NC_021163.1	Ca_kabuli_chr04	31992502	TT	CC	1940301234
SNP_P1_74201_31992690	NC_021163.1	Ca_kabuli_chr04	31992690	GG	AA	1940301236
SNP_P1_74202_31992843	NC_021163.1	Ca_kabuli_chr04	31992843	CC	TT	1940301238
SNP_P1_74203_31993199	NC_021163.1	Ca_kabuli_chr04	31993199	AA	TT	1940301239
SNP_P1_74204_31994223	NC_021163.1	Ca_kabuli_chr04	31994223	TT	GG	1940301241
SNP_P1_74206_31994547	NC_021163.1	Ca_kabuli_chr04	31994547	TT	CC	1940301243
SNP_P1_74207_31994597	NC_021163.1	Ca_kabuli_chr04	31994597	AA	CC	1940301244
SNP_P1_74208_31995612	NC_021163.1	Ca_kabuli_chr04	31995612	TT	GG	1940301246
SNP_P1_74209_31996621	NC_021163.1	Ca_kabuli_chr04	31996621	GG	AA	1940301248
SNP_P1_74210_31996622	NC_021163.1	Ca_kabuli_chr04	31996622	AA	GG	1940301249
SNP_P1_74211_31997813	NC_021163.1	Ca_kabuli_chr04	31997813	TT	AA	1940301251
SNP_P1_74212_31998044	NC_021163.1	Ca_kabuli_chr04	31998044	GG	AA	1940301253
SNP_P1_74213_31999454	NC_021163.1	Ca_kabuli_chr04	31999454	AA	GG	1940301254
SNP_P1_74214_31999557	NC_021163.1	Ca_kabuli_chr04	31999557	CC	GG	1940301256
SNP_P1_74215_31999785	NC_021163.1	Ca_kabuli_chr04	31999785	TT	CC	1940301258
SNP_P1_74216_31999815	NC_021163.1	Ca_kabuli_chr04	31999815	GG	AA	1940301259

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74218_32000189	NC_021163.1	Ca_kabuli_chr04	32000189	AA	GG	1940301263
SNP_P1_74219_32000214	NC_021163.1	Ca_kabuli_chr04	32000214	AA	GG	1940301264
SNP_P1_74220_32000217	NC_021163.1	Ca_kabuli_chr04	32000217	AA	TT	1940301266
SNP_P1_74221_32000242	NC_021163.1	Ca_kabuli_chr04	32000242	GG	AA	1940301268
SNP_P1_74222_32000308	NC_021163.1	Ca_kabuli_chr04	32000308	AA	CC	1940301269
SNP_P1_74223_32000327	NC_021163.1	Ca_kabuli_chr04	32000327	CC	TT	1940301271
SNP_P1_74224_32000402	NC_021163.1	Ca_kabuli_chr04	32000402	AA	GG	1940301272
SNP_P1_74225_32001130	NC_021163.1	Ca_kabuli_chr04	32001130	GG	AA	1940301274
SNP_P1_74226_32001131	NC_021163.1	Ca_kabuli_chr04	32001131	GG	AA	1940301276
SNP_P1_74227_32001173	NC_021163.1	Ca_kabuli_chr04	32001173	CC	TT	1940301277
SNP_P1_74228_32001370	NC_021163.1	Ca_kabuli_chr04	32001370	CC	TT	1940301279
SNP_P1_74229_32002687	NC_021163.1	Ca_kabuli_chr04	32002687	GG	AA	1940301281
SNP_P1_74230_32003308	NC_021163.1	Ca_kabuli_chr04	32003308	CC	TT	1940301282
SNP_P1_74231_32004209	NC_021163.1	Ca_kabuli_chr04	32004209	AA	GG	1940301284
SNP_P1_74232_32004310	NC_021163.1	Ca_kabuli_chr04	32004310	GG	AA	1940301286
SNP_P1_74234_32005694	NC_021163.1	Ca_kabuli_chr04	32005694	TT	GG	1940301287
SNP_P1_74235_32005921	NC_021163.1	Ca_kabuli_chr04	32005921	GG	AA	1940301289
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SNP_P1_74238_32007535	NC_021163.1	Ca_kabuli_chr04	32007535	TT	CC	1940301294
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SNP_P1_74241_32008206	NC_021163.1	Ca_kabuli_chr04	32008206	GG	TT	1940301297
SNP_P1_74243_32008504	NC_021163.1	Ca_kabuli_chr04	32008504	CC	AA	1940301299
SNP_P1_74245_32008705	NC_021163.1	Ca_kabuli_chr04	32008705	TT	CC	1940301301
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SNP_P1_74251_32009198	NC_021163.1	Ca_kabuli_chr04	32009198	CC	TT	1940301309
SNP_P1_74252_32010872	NC_021163.1	Ca_kabuli_chr04	32010872	AA	GG	1940301311
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SNP_P1_74256_32011948	NC_021163.1	Ca_kabuli_chr04	32011948	AA	TT	1940301317
SNP_P1_74257_32011959	NC_021163.1	Ca_kabuli_chr04	32011959	GG	TT	1940301319
SNP_P1_74258_32012191	NC_021163.1	Ca_kabuli_chr04	32012191	CC	TT	1940301320
SNP_P1_74259_32012195	NC_021163.1	Ca_kabuli_chr04	32012195	GG	TT	1940301322
SNP_P1_74261_32013053	NC_021163.1	Ca_kabuli_chr04	32013053	CC	TT	1940301324
SNP_P1_74262_32013083	NC_021163.1	Ca_kabuli_chr04	32013083	CC	TT	1940301325
SNP_P1_74263_32013089	NC_021163.1	Ca_kabuli_chr04	32013089	GG	TT	1940301327
SNP_P1_74264_32013235	NC_021163.1	Ca_kabuli_chr04	32013235	CC	TT	1940301329

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74267_32013432	NC_021163.1	Ca_kabuli_chr04	32013432	CC	GG	1940301334
SNP_P1_74268_32013487	NC_021163.1	Ca_kabuli_chr04	32013487	GG	AA	1940301335
SNP_P1_74269_32013549	NC_021163.1	Ca_kabuli_chr04	32013549	AA	TT	1940301337
SNP_P1_74270_32013612	NC_021163.1	Ca_kabuli_chr04	32013612	AA	CC	1940301339
SNP_P1_74271_32013642	NC_021163.1	Ca_kabuli_chr04	32013642	CC	AA	1940301340
SNP_P1_74272_32013741	NC_021163.1	Ca_kabuli_chr04	32013741	TT	GG	1940301342
SNP_P1_74273_32014064	NC_021163.1	Ca_kabuli_chr04	32014064	GG	AA	1940301344
SNP_P1_74274_32014388	NC_021163.1	Ca_kabuli_chr04	32014388	TT	CC	1940301345
SNP_P1_74275_32014577	NC_021163.1	Ca_kabuli_chr04	32014577	CC	TT	1940301347
SNP_P1_74276_32014587	NC_021163.1	Ca_kabuli_chr04	32014587	TT	AA	1940301349
SNP_P1_74277_32014632	NC_021163.1	Ca_kabuli_chr04	32014632	TT	CC	1940301350
SNP_P1_74278_32014684	NC_021163.1	Ca_kabuli_chr04	32014684	GG	AA	1940301352
SNP_P1_74279_32014711	NC_021163.1	Ca_kabuli_chr04	32014711	GG	AA	1940301354
SNP_P1_74280_32014765	NC_021163.1	Ca_kabuli_chr04	32014765	AA	TT	1940301355
SNP_P1_74281_32014784	NC_021163.1	Ca_kabuli_chr04	32014784	AA	CC	1940301357
SNP_P1_74282_32014816	NC_021163.1	Ca_kabuli_chr04	32014816	CC	TT	1940301359
SNP_P1_74283_32014924	NC_021163.1	Ca_kabuli_chr04	32014924	AA	GG	1940301360
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SNP_P1_74287_32015971	NC_021163.1	Ca_kabuli_chr04	32015971	GG	AA	1940301367
SNP_P1_74288_32015980	NC_021163.1	Ca_kabuli_chr04	32015980	TT	CC	1940301369
SNP_P1_74289_32016005	NC_021163.1	Ca_kabuli_chr04	32016005	TT	CC	1940301370
SNP_P1_74290_32016421	NC_021163.1	Ca_kabuli_chr04	32016421	GG	AA	1940301372
SNP_P1_74291_32017114	NC_021163.1	Ca_kabuli_chr04	32017114	AA	GG	1940301373
SNP_P1_74292_32017474	NC_021163.1	Ca_kabuli_chr04	32017474	AA	GG	1940301375
SNP_P1_74293_32017528	NC_021163.1	Ca_kabuli_chr04	32017528	GG	TT	1940301377
SNP_P1_74294_32017785	NC_021163.1	Ca_kabuli_chr04	32017785	AA	TT	1940301378
SNP_P1_74295_32017885	NC_021163.1	Ca_kabuli_chr04	32017885	GG	AA	1940301380
SNP_P1_74296_32018084	NC_021163.1	Ca_kabuli_chr04	32018084	AA	GG	1940301382
SNP_P1_74297_32018089	NC_021163.1	Ca_kabuli_chr04	32018089	CC	AA	1940301383
SNP_P1_74298_32018286	NC_021163.1	Ca_kabuli_chr04	32018286	TT	AA	1940301385
SNP_P1_74299_32018291	NC_021163.1	Ca_kabuli_chr04	32018291	TT	AA	1940301387
SNP_P1_74300_32018352	NC_021163.1	Ca_kabuli_chr04	32018352	GG	AA	1940301388
SNP_P1_74301_32019098	NC_021163.1	Ca_kabuli_chr04	32019098	TT	AA	1940301390
SNP_P1_74302_32019101	NC_021163.1	Ca_kabuli_chr04	32019101	CC	AA	1940301392
SNP_P1_74303_32019150	NC_021163.1	Ca_kabuli_chr04	32019150	AA	TT	1940301393
SNP_P1_74304_32019507	NC_021163.1	Ca_kabuli_chr04	32019507	CC	TT	1940301395
SNP_P1_74305_32019508	NC_021163.1	Ca_kabuli_chr04	32019508	TT	GG	1940301397
SNP_P1_74306_32019520	NC_021163.1	Ca_kabuli_chr04	32019520	AA	GG	1940301398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74308_32021062	NC_021163.1	Ca_kabuli_chr04	32021062	TT	CC	1940301402
SNP_P1_74310_32021081	NC_021163.1	Ca_kabuli_chr04	32021081	CC	AA	1940301403
SNP_P1_74311_32021090	NC_021163.1	Ca_kabuli_chr04	32021090	AA	TT	1940301405
SNP_P1_74312_32021315	NC_021163.1	Ca_kabuli_chr04	32021315	TT	CC	1940301407
SNP_P1_74313_32021521	NC_021163.1	Ca_kabuli_chr04	32021521	AA	GG	1940301408
SNP_P1_74314_32021523	NC_021163.1	Ca_kabuli_chr04	32021523	TT	CC	1940301410
SNP_P1_74315_32021880	NC_021163.1	Ca_kabuli_chr04	32021880	TT	GG	1940301412
SNP_P1_74316_32021905	NC_021163.1	Ca_kabuli_chr04	32021905	GG	AA	1940301413
SNP_P1_74317_32021918	NC_021163.1	Ca_kabuli_chr04	32021918	GG	CC	1940301415
SNP_P1_74318_32022023	NC_021163.1	Ca_kabuli_chr04	32022023	TT	CC	1940301416
SNP_P1_74319_32022305	NC_021163.1	Ca_kabuli_chr04	32022305	GG	CC	1940301418
SNP_P1_74320_32022563	NC_021163.1	Ca_kabuli_chr04	32022563	TT	CC	1940301420
SNP_P1_74321_32022571	NC_021163.1	Ca_kabuli_chr04	32022571	TT	GG	1940301421
SNP_P1_74322_32022579	NC_021163.1	Ca_kabuli_chr04	32022579	TT	CC	1940301423
SNP_P1_74323_32022630	NC_021163.1	Ca_kabuli_chr04	32022630	TT	CC	1940301425
SNP_P1_74325_32031828	NC_021163.1	Ca_kabuli_chr04	32031828	GG	AA	1940301426
SNP_P1_74326_32031837	NC_021163.1	Ca_kabuli_chr04	32031837	AA	GG	1940301428
SNP_P1_74327_32031878	NC_021163.1	Ca_kabuli_chr04	32031878	CC	TT	1940301430
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SNP_P1_74331_32035991	NC_021163.1	Ca_kabuli_chr04	32035991	GG	AA	1940301436
SNP_P1_74333_32036106	NC_021163.1	Ca_kabuli_chr04	32036106	CC	TT	1940301438
SNP_P1_74334_32036273	NC_021163.1	Ca_kabuli_chr04	32036273	TT	CC	1940301440
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SNP_P1_74337_32036453	NC_021163.1	Ca_kabuli_chr04	32036453	TT	CC	1940301445
SNP_P1_74338_32036496	NC_021163.1	Ca_kabuli_chr04	32036496	CC	TT	1940301446
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SNP_P1_74340_32036525	NC_021163.1	Ca_kabuli_chr04	32036525	CC	AA	1940301450
SNP_P1_74341_32037820	NC_021163.1	Ca_kabuli_chr04	32037820	CC	TT	1940301451
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SNP_P1_74343_32038618	NC_021163.1	Ca_kabuli_chr04	32038618	CC	TT	1940301454
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SNP_P1_74345_32039018	NC_021163.1	Ca_kabuli_chr04	32039018	AA	TT	1940301458
SNP_P1_74346_32039033	NC_021163.1	Ca_kabuli_chr04	32039033	TT	CC	1940301460
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SNP_P1_74348_32041317	NC_021163.1	Ca_kabuli_chr04	32041317	CC	TT	1940301463
SNP_P1_74349_32041378	NC_021163.1	Ca_kabuli_chr04	32041378	AA	GG	1940301464
SNP_P1_74350_32041416	NC_021163.1	Ca_kabuli_chr04	32041416	TT	CC	1940301466
SNP_P1_74351_32041471	NC_021163.1	Ca_kabuli_chr04	32041471	TT	CC	1940301468

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74357_32044187	NC_021163.1	Ca_kabuli_chr04	32044187	CC	TT	1940301473
SNP_P1_74358_32045161	NC_021163.1	Ca_kabuli_chr04	32045161	CC	TT	1940301474
SNP_P1_74359_32045288	NC_021163.1	Ca_kabuli_chr04	32045288	CC	TT	1940301476
SNP_P1_74360_32045642	NC_021163.1	Ca_kabuli_chr04	32045642	AA	GG	1940301478
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SNP_P1_74362_32045684	NC_021163.1	Ca_kabuli_chr04	32045684	AA	TT	1940301481
SNP_P1_74367_32047164	NC_021163.1	Ca_kabuli_chr04	32047164	TT	GG	1940301483
SNP_P1_74369_32047453	NC_021163.1	Ca_kabuli_chr04	32047453	AA	GG	1940301484
SNP_P1_74371_32047645	NC_021163.1	Ca_kabuli_chr04	32047645	AA	GG	1940301486
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SNP_P1_74379_32049537	NC_021163.1	Ca_kabuli_chr04	32049537	AA	GG	1940301494
SNP_P1_74381_32049639	NC_021163.1	Ca_kabuli_chr04	32049639	CC	AA	1940301496
SNP_P1_74382_32049681	NC_021163.1	Ca_kabuli_chr04	32049681	GG	CC	1940301498
SNP_P1_74384_32050183	NC_021163.1	Ca_kabuli_chr04	32050183	CC	GG	1940301499
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SNP_P1_74386_32050295	NC_021163.1	Ca_kabuli_chr04	32050295	CC	TT	1940301502
SNP_P1_74387_32050297	NC_021163.1	Ca_kabuli_chr04	32050297	TT	CC	1940301504
SNP_P1_74388_32051162	NC_021163.1	Ca_kabuli_chr04	32051162	AA	GG	1940301506
SNP_P1_74389_32051612	NC_021163.1	Ca_kabuli_chr04	32051612	TT	CC	1940301507
SNP_P1_74390_32051676	NC_021163.1	Ca_kabuli_chr04	32051676	GG	AA	1940301509
SNP_P1_74391_32051701	NC_021163.1	Ca_kabuli_chr04	32051701	AA	GG	1940301511
SNP_P1_74392_32051845	NC_021163.1	Ca_kabuli_chr04	32051845	AA	GG	1940301512
SNP_P1_74393_32054066	NC_021163.1	Ca_kabuli_chr04	32054066	TT	CC	1940301514
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SNP_P1_74396_32054279	NC_021163.1	Ca_kabuli_chr04	32054279	CC	AA	1940301519
SNP_P1_74397_32054386	NC_021163.1	Ca_kabuli_chr04	32054386	TT	CC	1940301521
SNP_P1_74398_32054408	NC_021163.1	Ca_kabuli_chr04	32054408	GG	TT	1940301522
SNP_P1_74399_32054423	NC_021163.1	Ca_kabuli_chr04	32054423	AA	GG	1940301524
SNP_P1_74400_32054477	NC_021163.1	Ca_kabuli_chr04	32054477	CC	TT	1940301526
SNP_P1_74401_32054553	NC_021163.1	Ca_kabuli_chr04	32054553	CC	AA	1940301527
SNP_P1_74402_32055251	NC_021163.1	Ca_kabuli_chr04	32055251	AA	CC	1940301529
SNP_P1_74403_32055252	NC_021163.1	Ca_kabuli_chr04	32055252	GG	AA	1940301531
SNP_P1_74404_32055262	NC_021163.1	Ca_kabuli_chr04	32055262	AA	GG	1940301532
SNP_P1_74405_32055378	NC_021163.1	Ca_kabuli_chr04	32055378	CC	TT	1940301534
SNP_P1_74406_32055406	NC_021163.1	Ca_kabuli_chr04	32055406	GG	TT	1940301536
SNP_P1_74407_32055499	NC_021163.1	Ca_kabuli_chr04	32055499	TT	AA	1940301537

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_74408_32055541	NC_021163.1	Ca_kabuli_chr04	32055541	TT	AA	1940301539
SNP_P1_74409_32055891	NC_021163.1	Ca_kabuli_chr04	32055891	AA	GG	1940301541
SNP_P1_74410_32056013	NC_021163.1	Ca_kabuli_chr04	32056013	AA	CC	1940301542
SNP_P1_74411_32056271	NC_021163.1	Ca_kabuli_chr04	32056271	AA	TT	1940301544
SNP_P1_74412_32056289	NC_021163.1	Ca_kabuli_chr04	32056289	TT	CC	1940301546
SNP_P1_74413_32056365	NC_021163.1	Ca_kabuli_chr04	32056365	GG	AA	1940301547
SNP_P1_74414_32057399	NC_021163.1	Ca_kabuli_chr04	32057399	GG	AA	1940301549
SNP_P1_74416_32057534	NC_021163.1	Ca_kabuli_chr04	32057534	TT	AA	1940301551
SNP_P1_74417_32060334	NC_021163.1	Ca_kabuli_chr04	32060334	TT	AA	1940301552
SNP_P1_74418_32060480	NC_021163.1	Ca_kabuli_chr04	32060480	AA	TT	1940301554
SNP_P1_74419_32060641	NC_021163.1	Ca_kabuli_chr04	32060641	AA	CC	1940301555
SNP_P1_74420_32061555	NC_021163.1	Ca_kabuli_chr04	32061555	GG	AA	1940301557
SNP_P1_74421_32061563	NC_021163.1	Ca_kabuli_chr04	32061563	TT	CC	1940301559
SNP_P1_74422_32067594	NC_021163.1	Ca_kabuli_chr04	32067594	TT	CC	1940301560
SNP_P1_74423_32067596	NC_021163.1	Ca_kabuli_chr04	32067596	GG	AA	1940301562
SNP_P1_74425_32067826	NC_021163.1	Ca_kabuli_chr04	32067826	AA	GG	1940301564
SNP_P1_74427_32069414	NC_021163.1	Ca_kabuli_chr04	32069414	GG	CC	1940301565
SNP_P1_74428_32069431	NC_021163.1	Ca_kabuli_chr04	32069431	TT	CC	1940301567
SNP_P1_74429_32073115	NC_021163.1	Ca_kabuli_chr04	32073115	TT	GG	1940301569
SNP_P1_74431_32073550	NC_021163.1	Ca_kabuli_chr04	32073550	GG	CC	1940301570
SNP_P1_74432_32083185	NC_021163.1	Ca_kabuli_chr04	32083185	AA	GG	1940301572
SNP_P1_74433_32083299	NC_021163.1	Ca_kabuli_chr04	32083299	AA	GG	1940301574
SNP_P1_74434_32083302	NC_021163.1	Ca_kabuli_chr04	32083302	AA	TT	1940301575
SNP_P1_74435_32083354	NC_021163.1	Ca_kabuli_chr04	32083354	GG	AA	1940301577
SNP_P1_74436_32083372	NC_021163.1	Ca_kabuli_chr04	32083372	GG	AA	1940301579
SNP_P1_74437_32083421	NC_021163.1	Ca_kabuli_chr04	32083421	AA	GG	1940301580
SNP_P1_74438_32083491	NC_021163.1	Ca_kabuli_chr04	32083491	AA	GG	1940301582
SNP_P1_74439_32083500	NC_021163.1	Ca_kabuli_chr04	32083500	GG	AA	1940301584
SNP_P1_74440_32083522	NC_021163.1	Ca_kabuli_chr04	32083522	CC	TT	1940301585
SNP_P1_74441_32083760	NC_021163.1	Ca_kabuli_chr04	32083760	AA	GG	1940301587
SNP_P1_74442_32083774	NC_021163.1	Ca_kabuli_chr04	32083774	TT	CC	1940301589
SNP_P1_74443_32101235	NC_021163.1	Ca_kabuli_chr04	32101235	TT	AA	1940301590
SNP_P1_74446_32101949	NC_021163.1	Ca_kabuli_chr04	32101949	AA	CC	1940301592
SNP_P1_74447_32101951	NC_021163.1	Ca_kabuli_chr04	32101951	AA	GG	1940301594
SNP_P1_74448_32101984	NC_021163.1	Ca_kabuli_chr04	32101984	GG	AA	1940301595
SNP_P1_74449_32102171	NC_021163.1	Ca_kabuli_chr04	32102171	CC	TT	1940301597
SNP_P1_74450_32102895	NC_021163.1	Ca_kabuli_chr04	32102895	AA	GG	1940301599
SNP_P1_74451_32102905	NC_021163.1	Ca_kabuli_chr04	32102905	TT	CC	1940301600
SNP_P1_74453_32103292	NC_021163.1	Ca_kabuli_chr04	32103292	CC	TT	1940301602
SNP_P1_74454_32103296	NC_021163.1	Ca_kabuli_chr04	32103296	AA	CC	1940301603
SNP_P1_74455_32103440	NC_021163.1	Ca_kabuli_chr04	32103440	GG	AA	1940301605
SNP_P1_74456_32103458	NC_021163.1	Ca_kabuli_chr04	32103458	AA	GG	1940301607

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74459_32104328	NC_021163.1	Ca_kabuli_chr04	32104328	GG	TT	1940301610
SNP_P1_74460_32104494	NC_021163.1	Ca_kabuli_chr04	32104494	AA	CC	1940301612
SNP_P1_74461_32104882	NC_021163.1	Ca_kabuli_chr04	32104882	GG	TT	1940301613
SNP_P1_74462_32105279	NC_021163.1	Ca_kabuli_chr04	32105279	CC	TT	1940301614
SNP_P1_74463_32105659	NC_021163.1	Ca_kabuli_chr04	32105659	TT	AA	1940301616
SNP_P1_74465_32105911	NC_021163.1	Ca_kabuli_chr04	32105911	AA	CC	1940301618
SNP_P1_74466_32106226	NC_021163.1	Ca_kabuli_chr04	32106226	GG	TT	1940301619
SNP_P1_74467_32112198	NC_021163.1	Ca_kabuli_chr04	32112198	GG	AA	1940301621
SNP_P1_74468_32112220	NC_021163.1	Ca_kabuli_chr04	32112220	AA	GG	1940301623
SNP_P1_74469_32112369	NC_021163.1	Ca_kabuli_chr04	32112369	CC	AA	1940301625
SNP_P1_74471_32112507	NC_021163.1	Ca_kabuli_chr04	32112507	GG	AA	1940301626
SNP_P1_74472_32114520	NC_021163.1	Ca_kabuli_chr04	32114520	GG	AA	1940301628
SNP_P1_74473_32116248	NC_021163.1	Ca_kabuli_chr04	32116248	AA	TT	1940301629
SNP_P1_74474_32116468	NC_021163.1	Ca_kabuli_chr04	32116468	CC	TT	1940301631
SNP_P1_74475_32116543	NC_021163.1	Ca_kabuli_chr04	32116543	GG	AA	1940301633
SNP_P1_74476_32116554	NC_021163.1	Ca_kabuli_chr04	32116554	AA	GG	1940301634
SNP_P1_74477_32116580	NC_021163.1	Ca_kabuli_chr04	32116580	CC	AA	1940301637
SNP_P1_74478_32116606	NC_021163.1	Ca_kabuli_chr04	32116606	TT	CC	1940301638
SNP_P1_74479_32116928	NC_021163.1	Ca_kabuli_chr04	32116928	GG	AA	1940301640
SNP_P1_74480_32116957	NC_021163.1	Ca_kabuli_chr04	32116957	GG	TT	1940301641
SNP_P1_74481_32117002	NC_021163.1	Ca_kabuli_chr04	32117002	GG	TT	1940301643
SNP_P1_74482_32117153	NC_021163.1	Ca_kabuli_chr04	32117153	TT	CC	1940301645
SNP_P1_74483_32117155	NC_021163.1	Ca_kabuli_chr04	32117155	GG	AA	1940301646
SNP_P1_74484_32117180	NC_021163.1	Ca_kabuli_chr04	32117180	CC	TT	1940301648
SNP_P1_74485_32118257	NC_021163.1	Ca_kabuli_chr04	32118257	AA	GG	1940301650
SNP_P1_74486_32118467	NC_021163.1	Ca_kabuli_chr04	32118467	AA	GG	1940301651
SNP_P1_74487_32118468	NC_021163.1	Ca_kabuli_chr04	32118468	AA	GG	1940301653
SNP_P1_74488_32118559	NC_021163.1	Ca_kabuli_chr04	32118559	CC	AA	1940301655
SNP_P1_74489_32118605	NC_021163.1	Ca_kabuli_chr04	32118605	TT	GG	1940301656
SNP_P1_74491_32119194	NC_021163.1	Ca_kabuli_chr04	32119194	TT	CC	1940301658
SNP_P1_74493_32119433	NC_021163.1	Ca_kabuli_chr04	32119433	CC	AA	1940301660
SNP_P1_74494_32120351	NC_021163.1	Ca_kabuli_chr04	32120351	TT	CC	1940301661
SNP_P1_74495_32120393	NC_021163.1	Ca_kabuli_chr04	32120393	AA	TT	1940301663
SNP_P1_74497_32121900	NC_021163.1	Ca_kabuli_chr04	32121900	AA	GG	1940301665
SNP_P1_74499_32122399	NC_021163.1	Ca_kabuli_chr04	32122399	CC	TT	1940301666
SNP_P1_74500_32123141	NC_021163.1	Ca_kabuli_chr04	32123141	TT	CC	1940301668
SNP_P1_74501_32123143	NC_021163.1	Ca_kabuli_chr04	32123143	GG	TT	1940301670
SNP_P1_74502_32123169	NC_021163.1	Ca_kabuli_chr04	32123169	GG	AA	1940301671
SNP_P1_74503_32123184	NC_021163.1	Ca_kabuli_chr04	32123184	GG	CC	1940301673
SNP_P1_74506_32124550	NC_021163.1	Ca_kabuli_chr04	32124550	TT	CC	1940301675
SNP_P1_74507_32124562	NC_021163.1	Ca_kabuli_chr04	32124562	GG	AA	1940301676

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74509_32124818	NC_021163.1	Ca_kabuli_chr04	32124818	TT	CC	1940301680
SNP_P1_74510_32125657	NC_021163.1	Ca_kabuli_chr04	32125657	AA	GG	1940301681
SNP_P1_74511_32125979	NC_021163.1	Ca_kabuli_chr04	32125979	TT	CC	1940301683
SNP_P1_74515_32128637	NC_021163.1	Ca_kabuli_chr04	32128637	AA	GG	1940301684
SNP_P1_74516_32128644	NC_021163.1	Ca_kabuli_chr04	32128644	CC	AA	1940301686
SNP_P1_74517_32128846	NC_021163.1	Ca_kabuli_chr04	32128846	GG	AA	1940301688
SNP_P1_74519_32137723	NC_021163.1	Ca_kabuli_chr04	32137723	AA	TT	1940301689
SNP_P1_74520_32137730	NC_021163.1	Ca_kabuli_chr04	32137730	TT	AA	1940301691
SNP_P1_74523_32138080	NC_021163.1	Ca_kabuli_chr04	32138080	CC	AA	1940301693
SNP_P1_74524_32138124	NC_021163.1	Ca_kabuli_chr04	32138124	AA	TT	1940301694
SNP_P1_74525_32139042	NC_021163.1	Ca_kabuli_chr04	32139042	AA	TT	1940301696
SNP_P1_74526_32139111	NC_021163.1	Ca_kabuli_chr04	32139111	AA	TT	1940301698
SNP_P1_74527_32139146	NC_021163.1	Ca_kabuli_chr04	32139146	AA	CC	1940301699
SNP_P1_74528_32139399	NC_021163.1	Ca_kabuli_chr04	32139399	AA	CC	1940301701
SNP_P1_74529_32139400	NC_021163.1	Ca_kabuli_chr04	32139400	TT	GG	1940301703
SNP_P1_74530_32139425	NC_021163.1	Ca_kabuli_chr04	32139425	GG	AA	1940301704
SNP_P1_74531_32139430	NC_021163.1	Ca_kabuli_chr04	32139430	GG	AA	1940301706
SNP_P1_74532_32139848	NC_021163.1	Ca_kabuli_chr04	32139848	AA	GG	1940301708
SNP_P1_74533_32139855	NC_021163.1	Ca_kabuli_chr04	32139855	TT	CC	1940301709
SNP_P1_74534_32139874	NC_021163.1	Ca_kabuli_chr04	32139874	GG	TT	1940301711
SNP_P1_74535_32140303	NC_021163.1	Ca_kabuli_chr04	32140303	TT	CC	1940301713
SNP_P1_74536_32140352	NC_021163.1	Ca_kabuli_chr04	32140352	AA	TT	1940301714
SNP_P1_74537_32140447	NC_021163.1	Ca_kabuli_chr04	32140447	CC	TT	1940301716
SNP_P1_74538_32140641	NC_021163.1	Ca_kabuli_chr04	32140641	TT	CC	1940301718
SNP_P1_74539_32140672	NC_021163.1	Ca_kabuli_chr04	32140672	AA	TT	1940301719
SNP_P1_74540_32140774	NC_021163.1	Ca_kabuli_chr04	32140774	TT	GG	1940301721
SNP_P1_74541_32140776	NC_021163.1	Ca_kabuli_chr04	32140776	GG	AA	1940301723
SNP_P1_74542_32140794	NC_021163.1	Ca_kabuli_chr04	32140794	GG	TT	1940301724
SNP_P1_74543_32140892	NC_021163.1	Ca_kabuli_chr04	32140892	TT	CC	1940301726
SNP_P1_74544_32140928	NC_021163.1	Ca_kabuli_chr04	32140928	GG	AA	1940301728
SNP_P1_74545_32140939	NC_021163.1	Ca_kabuli_chr04	32140939	CC	TT	1940301729
SNP_P1_74546_32140965	NC_021163.1	Ca_kabuli_chr04	32140965	CC	TT	1940301731
SNP_P1_74547_32140994	NC_021163.1	Ca_kabuli_chr04	32140994	TT	GG	1940301733
SNP_P1_74548_32141170	NC_021163.1	Ca_kabuli_chr04	32141170	AA	GG	1940301734
SNP_P1_74549_32141250	NC_021163.1	Ca_kabuli_chr04	32141250	TT	CC	1940301736
SNP_P1_74551_32141398	NC_021163.1	Ca_kabuli_chr04	32141398	GG	AA	1940301738
SNP_P1_74552_32141403	NC_021163.1	Ca_kabuli_chr04	32141403	AA	GG	1940301739
SNP_P1_74553_32141405	NC_021163.1	Ca_kabuli_chr04	32141405	AA	GG	1940301741
SNP_P1_74554_32141411	NC_021163.1	Ca_kabuli_chr04	32141411	TT	GG	1940301742
SNP_P1_74555_32141447	NC_021163.1	Ca_kabuli_chr04	32141447	CC	TT	1940301744
SNP_P1_74556_32141472	NC_021163.1	Ca_kabuli_chr04	32141472	GG	AA	1940301746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_74557_32141475	NC_021163.1	Ca_kabuli_chr04	32141475	TT	GG	1940301747
SNP_P1_74558_32141626	NC_021163.1	Ca_kabuli_chr04	32141626	AA	GG	1940301749
SNP_P1_74559_32141812	NC_021163.1	Ca_kabuli_chr04	32141812	AA	GG	1940301751
SNP_P1_74560_32141818	NC_021163.1	Ca_kabuli_chr04	32141818	TT	GG	1940301752
SNP_P1_74561_32142726	NC_021163.1	Ca_kabuli_chr04	32142726	CC	TT	1940301754
SNP_P1_74562_32142775	NC_021163.1	Ca_kabuli_chr04	32142775	TT	AA	1940301756
SNP_P1_74563_32142905	NC_021163.1	Ca_kabuli_chr04	32142905	CC	AA	1940301757
SNP_P1_74564_32142913	NC_021163.1	Ca_kabuli_chr04	32142913	GG	AA	1940301759
SNP_P1_74565_32142932	NC_021163.1	Ca_kabuli_chr04	32142932	AA	TT	1940301761
SNP_P1_74566_32143057	NC_021163.1	Ca_kabuli_chr04	32143057	AA	TT	1940301762
SNP_P1_74567_32143101	NC_021163.1	Ca_kabuli_chr04	32143101	GG	AA	1940301764
SNP_P1_74568_32143137	NC_021163.1	Ca_kabuli_chr04	32143137	CC	TT	1940301766
SNP_P1_74569_32143158	NC_021163.1	Ca_kabuli_chr04	32143158	GG	TT	1940301767
SNP_P1_74570_32143178	NC_021163.1	Ca_kabuli_chr04	32143178	CC	TT	1940301769
SNP_P1_74571_32143233	NC_021163.1	Ca_kabuli_chr04	32143233	TT	CC	1940301771
SNP_P1_74572_32143238	NC_021163.1	Ca_kabuli_chr04	32143238	TT	CC	1940301772
SNP_P1_74573_32143240	NC_021163.1	Ca_kabuli_chr04	32143240	GG	CC	1940301774
SNP_P1_74574_32143562	NC_021163.1	Ca_kabuli_chr04	32143562	TT	CC	1940301776
SNP_P1_74575_32143571	NC_021163.1	Ca_kabuli_chr04	32143571	GG	AA	1940301777
SNP_P1_74576_32143590	NC_021163.1	Ca_kabuli_chr04	32143590	AA	GG	1940301779
SNP_P1_74577_32143612	NC_021163.1	Ca_kabuli_chr04	32143612	GG	AA	1940301781
SNP_P1_74578_32143614	NC_021163.1	Ca_kabuli_chr04	32143614	GG	AA	1940301782
SNP_P1_74579_32143721	NC_021163.1	Ca_kabuli_chr04	32143721	AA	GG	1940301784
SNP_P1_74581_32143868	NC_021163.1	Ca_kabuli_chr04	32143868	CC	GG	1940301785
SNP_P1_74582_32144052	NC_021163.1	Ca_kabuli_chr04	32144052	CC	AA	1940301787
SNP_P1_74583_32144075	NC_021163.1	Ca_kabuli_chr04	32144075	AA	GG	1940301789
SNP_P1_74584_32144338	NC_021163.1	Ca_kabuli_chr04	32144338	AA	GG	1940301790
SNP_P1_74585_32144364	NC_021163.1	Ca_kabuli_chr04	32144364	TT	CC	1940301792
SNP_P1_74587_32144423	NC_021163.1	Ca_kabuli_chr04	32144423	GG	AA	1940301794
SNP_P1_74588_32144754	NC_021163.1	Ca_kabuli_chr04	32144754	CC	TT	1940301795
SNP_P1_74589_32146715	NC_021163.1	Ca_kabuli_chr04	32146715	GG	TT	1940301797
SNP_P1_74590_32146718	NC_021163.1	Ca_kabuli_chr04	32146718	TT	CC	1940301799
SNP_P1_74591_32146975	NC_021163.1	Ca_kabuli_chr04	32146975	CC	TT	1940301800
SNP_P1_74592_32147261	NC_021163.1	Ca_kabuli_chr04	32147261	AA	CC	1940301802
SNP_P1_74593_32147275	NC_021163.1	Ca_kabuli_chr04	32147275	AA	CC	1940301804
SNP_P1_74594_32147443	NC_021163.1	Ca_kabuli_chr04	32147443	CC	GG	1940301805
SNP_P1_74595_32147450	NC_021163.1	Ca_kabuli_chr04	32147450	GG	AA	1940301807
SNP_P1_74596_32147463	NC_021163.1	Ca_kabuli_chr04	32147463	CC	TT	1940301809
SNP_P1_74597_32147641	NC_021163.1	Ca_kabuli_chr04	32147641	TT	CC	1940301810
SNP_P1_74599_32148651	NC_021163.1	Ca_kabuli_chr04	32148651	AA	CC	1940301812
SNP_P1_74601_32149301	NC_021163.1	Ca_kabuli_chr04	32149301	TT	AA	1940301814
SNP_P1_74602_32149528	NC_021163.1	Ca_kabuli_chr04	32149528	GG	AA	1940301815

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74604_32149532	NC_021163.1	Ca_kabuli_chr04	32149532	TT	CC	1940301819
SNP_P1_74605_32149581	NC_021163.1	Ca_kabuli_chr04	32149581	GG	AA	1940301820
SNP_P1_74606_32149702	NC_021163.1	Ca_kabuli_chr04	32149702	AA	CC	1940301822
SNP_P1_74607_32149723	NC_021163.1	Ca_kabuli_chr04	32149723	AA	TT	1940301824
SNP_P1_74608_32149844	NC_021163.1	Ca_kabuli_chr04	32149844	AA	GG	1940301825
SNP_P1_74609_32149854	NC_021163.1	Ca_kabuli_chr04	32149854	GG	AA	1940301827
SNP_P1_74610_32149921	NC_021163.1	Ca_kabuli_chr04	32149921	AA	GG	1940301829
SNP_P1_74611_32149927	NC_021163.1	Ca_kabuli_chr04	32149927	CC	TT	1940301830
SNP_P1_74612_32149948	NC_021163.1	Ca_kabuli_chr04	32149948	CC	TT	1940301832
SNP_P1_74613_32149954	NC_021163.1	Ca_kabuli_chr04	32149954	AA	GG	1940301834
SNP_P1_74614_32149973	NC_021163.1	Ca_kabuli_chr04	32149973	CC	TT	1940301835
SNP_P1_74615_32149975	NC_021163.1	Ca_kabuli_chr04	32149975	AA	TT	1940301837
SNP_P1_74616_32149995	NC_021163.1	Ca_kabuli_chr04	32149995	GG	AA	1940301839
SNP_P1_74617_32150022	NC_021163.1	Ca_kabuli_chr04	32150022	AA	TT	1940301840
SNP_P1_74618_32150041	NC_021163.1	Ca_kabuli_chr04	32150041	CC	AA	1940301842
SNP_P1_74619_32150085	NC_021163.1	Ca_kabuli_chr04	32150085	TT	AA	1940301844
SNP_P1_74620_32150088	NC_021163.1	Ca_kabuli_chr04	32150088	TT	CC	1940301845
SNP_P1_74622_32150960	NC_021163.1	Ca_kabuli_chr04	32150960	CC	TT	1940301847
SNP_P1_74623_32150992	NC_021163.1	Ca_kabuli_chr04	32150992	AA	GG	1940301849
SNP_P1_74624_32151111	NC_021163.1	Ca_kabuli_chr04	32151111	AA	GG	1940301850
SNP_P1_74625_32151592	NC_021163.1	Ca_kabuli_chr04	32151592	CC	TT	1940301852
SNP_P1_74626_32151900	NC_021163.1	Ca_kabuli_chr04	32151900	GG	AA	1940301853
SNP_P1_74627_32151983	NC_021163.1	Ca_kabuli_chr04	32151983	TT	GG	1940301855
SNP_P1_74628_32152115	NC_021163.1	Ca_kabuli_chr04	32152115	TT	CC	1940301857
SNP_P1_74630_32152181	NC_021163.1	Ca_kabuli_chr04	32152181	TT	CC	1940301858
SNP_P1_74631_32152326	NC_021163.1	Ca_kabuli_chr04	32152326	GG	CC	1940301860
SNP_P1_74632_32152340	NC_021163.1	Ca_kabuli_chr04	32152340	GG	TT	1940301862
SNP_P1_74634_32152446	NC_021163.1	Ca_kabuli_chr04	32152446	CC	TT	1940301863
SNP_P1_74635_32152476	NC_021163.1	Ca_kabuli_chr04	32152476	AA	TT	1940301865
SNP_P1_74636_32152501	NC_021163.1	Ca_kabuli_chr04	32152501	TT	CC	1940301867
SNP_P1_74637_32152529	NC_021163.1	Ca_kabuli_chr04	32152529	GG	AA	1940301868
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SNP_P1_74639_32152533	NC_021163.1	Ca_kabuli_chr04	32152533	TT	CC	1940301872
SNP_P1_74640_32152534	NC_021163.1	Ca_kabuli_chr04	32152534	CC	TT	1940301873
SNP_P1_74641_32152546	NC_021163.1	Ca_kabuli_chr04	32152546	TT	AA	1940301875
SNP_P1_74642_32155158	NC_021163.1	Ca_kabuli_chr04	32155158	AA	GG	1940301877
SNP_P1_74644_32155392	NC_021163.1	Ca_kabuli_chr04	32155392	CC	TT	1940301878
SNP_P1_74645_32155700	NC_021163.1	Ca_kabuli_chr04	32155700	TT	CC	1940301880
SNP_P1_74646_32155716	NC_021163.1	Ca_kabuli_chr04	32155716	TT	AA	1940301882
SNP_P1_74647_32155746	NC_021163.1	Ca_kabuli_chr04	32155746	TT	CC	1940301883
SNP_P1_74648_32155782	NC_021163.1	Ca_kabuli_chr04	32155782	CC	TT	1940301885

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74650_32155907	NC_021163.1	Ca_kabuli_chr04	32155907	AA	CC	1940301888
SNP_P1_74651_32155951	NC_021163.1	Ca_kabuli_chr04	32155951	TT	CC	1940301890
SNP_P1_74652_32155955	NC_021163.1	Ca_kabuli_chr04	32155955	TT	CC	1940301892
SNP_P1_74653_32155980	NC_021163.1	Ca_kabuli_chr04	32155980	GG	AA	1940301893
SNP_P1_74654_32156008	NC_021163.1	Ca_kabuli_chr04	32156008	TT	AA	1940301895
SNP_P1_74655_32156089	NC_021163.1	Ca_kabuli_chr04	32156089	GG	AA	1940301897
SNP_P1_74656_32156181	NC_021163.1	Ca_kabuli_chr04	32156181	AA	CC	1940301898
SNP_P1_74657_32156188	NC_021163.1	Ca_kabuli_chr04	32156188	TT	CC	1940301900
SNP_P1_74658_32156214	NC_021163.1	Ca_kabuli_chr04	32156214	CC	GG	1940301902
SNP_P1_74659_32156217	NC_021163.1	Ca_kabuli_chr04	32156217	CC	TT	1940301903
SNP_P1_74660_32156220	NC_021163.1	Ca_kabuli_chr04	32156220	CC	TT	1940301905
SNP_P1_74661_32156250	NC_021163.1	Ca_kabuli_chr04	32156250	AA	CC	1940301907
SNP_P1_74662_32156307	NC_021163.1	Ca_kabuli_chr04	32156307	TT	CC	1940301908
SNP_P1_74663_32156485	NC_021163.1	Ca_kabuli_chr04	32156485	AA	GG	1940301910
SNP_P1_74664_32156489	NC_021163.1	Ca_kabuli_chr04	32156489	GG	AA	1940301912
SNP_P1_74665_32156546	NC_021163.1	Ca_kabuli_chr04	32156546	TT	CC	1940301913
SNP_P1_74669_32157508	NC_021163.1	Ca_kabuli_chr04	32157508	TT	AA	1940301915
SNP_P1_74670_32157528	NC_021163.1	Ca_kabuli_chr04	32157528	CC	TT	1940301917
SNP_P1_74673_32159288	NC_021163.1	Ca_kabuli_chr04	32159288	GG	TT	1940301918
SNP_P1_74675_32160137	NC_021163.1	Ca_kabuli_chr04	32160137	TT	CC	1940301920
SNP_P1_74676_32160152	NC_021163.1	Ca_kabuli_chr04	32160152	TT	CC	1940301922
SNP_P1_74677_32160154	NC_021163.1	Ca_kabuli_chr04	32160154	AA	GG	1940301923
SNP_P1_74678_32160301	NC_021163.1	Ca_kabuli_chr04	32160301	TT	CC	1940301925
SNP_P1_74679_32160303	NC_021163.1	Ca_kabuli_chr04	32160303	TT	CC	1940301927
SNP_P1_74680_32160306	NC_021163.1	Ca_kabuli_chr04	32160306	TT	CC	1940301928
SNP_P1_74681_32160325	NC_021163.1	Ca_kabuli_chr04	32160325	TT	CC	1940301930
SNP_P1_74682_32160672	NC_021163.1	Ca_kabuli_chr04	32160672	CC	TT	1940301932
SNP_P1_74683_32166266	NC_021163.1	Ca_kabuli_chr04	32166266	TT	CC	1940301933
SNP_P1_74684_32166300	NC_021163.1	Ca_kabuli_chr04	32166300	CC	TT	1940301935
SNP_P1_74685_32166314	NC_021163.1	Ca_kabuli_chr04	32166314	AA	GG	1940301936
SNP_P1_74686_32166637	NC_021163.1	Ca_kabuli_chr04	32166637	TT	CC	1940301938
SNP_P1_74687_32166657	NC_021163.1	Ca_kabuli_chr04	32166657	GG	AA	1940301940
SNP_P1_74688_32166872	NC_021163.1	Ca_kabuli_chr04	32166872	TT	GG	1940301941
SNP_P1_74689_32166875	NC_021163.1	Ca_kabuli_chr04	32166875	GG	AA	1940301943
SNP_P1_74691_32167684	NC_021163.1	Ca_kabuli_chr04	32167684	AA	GG	1940301945
SNP_P1_74692_32168126	NC_021163.1	Ca_kabuli_chr04	32168126	AA	GG	1940301946
SNP_P1_74693_32168136	NC_021163.1	Ca_kabuli_chr04	32168136	CC	AA	1940301948
SNP_P1_74695_32173474	NC_021163.1	Ca_kabuli_chr04	32173474	CC	GG	1940301950
SNP_P1_74697_32173684	NC_021163.1	Ca_kabuli_chr04	32173684	TT	GG	1940301951
SNP_P1_74699_32173942	NC_021163.1	Ca_kabuli_chr04	32173942	AA	TT	1940301953
SNP_P1_74700_32174665	NC_021163.1	Ca_kabuli_chr04	32174665	TT	AA	1940301955

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74702_32174871	NC_021163.1	Ca_kabuli_chr04	32174871	TT	CC	1940301958
SNP_P1_74703_32174941	NC_021163.1	Ca_kabuli_chr04	32174941	GG	TT	1940301960
SNP_P1_74704_32175456	NC_021163.1	Ca_kabuli_chr04	32175456	AA	GG	1940301961
SNP_P1_74705_32175502	NC_021163.1	Ca_kabuli_chr04	32175502	GG	AA	1940301963
SNP_P1_74706_32175657	NC_021163.1	Ca_kabuli_chr04	32175657	AA	TT	1940301965
SNP_P1_74707_32175667	NC_021163.1	Ca_kabuli_chr04	32175667	AA	GG	1940301966
SNP_P1_74709_32176158	NC_021163.1	Ca_kabuli_chr04	32176158	CC	AA	1940301968
SNP_P1_74711_32176926	NC_021163.1	Ca_kabuli_chr04	32176926	GG	AA	1940301970
SNP_P1_74712_32177219	NC_021163.1	Ca_kabuli_chr04	32177219	CC	TT	1940301971
SNP_P1_74713_32177248	NC_021163.1	Ca_kabuli_chr04	32177248	GG	AA	1940301973
SNP_P1_74714_32177255	NC_021163.1	Ca_kabuli_chr04	32177255	CC	TT	1940301975
SNP_P1_74715_32179205	NC_021163.1	Ca_kabuli_chr04	32179205	CC	TT	1940301976
SNP_P1_74716_32179208	NC_021163.1	Ca_kabuli_chr04	32179208	GG	AA	1940301978
SNP_P1_74718_32179432	NC_021163.1	Ca_kabuli_chr04	32179432	CC	TT	1940301980
SNP_P1_74719_32179441	NC_021163.1	Ca_kabuli_chr04	32179441	CC	AA	1940301981
SNP_P1_74720_32179444	NC_021163.1	Ca_kabuli_chr04	32179444	CC	TT	1940301983
SNP_P1_74723_32180255	NC_021163.1	Ca_kabuli_chr04	32180255	GG	AA	1940301985
SNP_P1_74724_32180397	NC_021163.1	Ca_kabuli_chr04	32180397	AA	GG	1940301986
SNP_P1_74725_32180412	NC_021163.1	Ca_kabuli_chr04	32180412	TT	CC	1940301988
SNP_P1_74727_32182759	NC_021163.1	Ca_kabuli_chr04	32182759	GG	TT	1940301989
SNP_P1_74728_32182796	NC_021163.1	Ca_kabuli_chr04	32182796	AA	TT	1940301991
SNP_P1_74729_32182842	NC_021163.1	Ca_kabuli_chr04	32182842	CC	TT	1940301993
SNP_P1_74730_32182869	NC_021163.1	Ca_kabuli_chr04	32182869	CC	TT	1940301994
SNP_P1_74731_32182871	NC_021163.1	Ca_kabuli_chr04	32182871	AA	TT	1940301996
SNP_P1_74732_32183493	NC_021163.1	Ca_kabuli_chr04	32183493	GG	AA	1940301998
SNP_P1_74733_32183968	NC_021163.1	Ca_kabuli_chr04	32183968	GG	AA	1940301999
SNP_P1_74734_32185238	NC_021163.1	Ca_kabuli_chr04	32185238	GG	TT	1940302001
SNP_P1_74735_32185872	NC_021163.1	Ca_kabuli_chr04	32185872	TT	GG	1940302003
SNP_P1_74736_32186376	NC_021163.1	Ca_kabuli_chr04	32186376	CC	GG	1940302004
SNP_P1_74738_32186520	NC_021163.1	Ca_kabuli_chr04	32186520	CC	TT	1940302006
SNP_P1_74739_32186823	NC_021163.1	Ca_kabuli_chr04	32186823	CC	GG	1940302008
SNP_P1_74741_32187180	NC_021163.1	Ca_kabuli_chr04	32187180	CC	AA	1940302009
SNP_P1_74742_32187181	NC_021163.1	Ca_kabuli_chr04	32187181	CC	TT	1940302011
SNP_P1_74743_32187185	NC_021163.1	Ca_kabuli_chr04	32187185	AA	TT	1940302013
SNP_P1_74744_32187520	NC_021163.1	Ca_kabuli_chr04	32187520	TT	GG	1940302014
SNP_P1_74745_32187717	NC_021163.1	Ca_kabuli_chr04	32187717	TT	CC	1940302016
SNP_P1_74747_32188234	NC_021163.1	Ca_kabuli_chr04	32188234	CC	TT	1940302018
SNP_P1_74748_32189188	NC_021163.1	Ca_kabuli_chr04	32189188	AA	CC	1940302019
SNP_P1_74749_32189226	NC_021163.1	Ca_kabuli_chr04	32189226	GG	TT	1940302021
SNP_P1_74750_32189253	NC_021163.1	Ca_kabuli_chr04	32189253	GG	AA	1940302023
SNP_P1_74751_32190099	NC_021163.1	Ca_kabuli_chr04	32190099	CC	GG	1940302024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74754_32204042	NC_021163.1	Ca_kabuli_chr04	32204042	GG	CC	1940302028
SNP_P1_74755_32204824	NC_021163.1	Ca_kabuli_chr04	32204824	GG	CC	1940302029
SNP_P1_74756_32204828	NC_021163.1	Ca_kabuli_chr04	32204828	TT	AA	1940302031
SNP_P1_74757_32206498	NC_021163.1	Ca_kabuli_chr04	32206498	CC	TT	1940302033
SNP_P1_74758_32208696	NC_021163.1	Ca_kabuli_chr04	32208696	TT	CC	1940302034
SNP_P1_74759_32208697	NC_021163.1	Ca_kabuli_chr04	32208697	AA	GG	1940302036
SNP_P1_74760_32208735	NC_021163.1	Ca_kabuli_chr04	32208735	TT	CC	1940302038
SNP_P1_74761_32208757	NC_021163.1	Ca_kabuli_chr04	32208757	AA	CC	1940302039
SNP_P1_74762_32208759	NC_021163.1	Ca_kabuli_chr04	32208759	AA	CC	1940302041
SNP_P1_74763_32208849	NC_021163.1	Ca_kabuli_chr04	32208849	GG	AA	1940302043
SNP_P1_74764_32208856	NC_021163.1	Ca_kabuli_chr04	32208856	AA	GG	1940302044
SNP_P1_74766_32208921	NC_021163.1	Ca_kabuli_chr04	32208921	AA	CC	1940302046
SNP_P1_74767_32209659	NC_021163.1	Ca_kabuli_chr04	32209659	GG	AA	1940302048
SNP_P1_74768_32209725	NC_021163.1	Ca_kabuli_chr04	32209725	AA	GG	1940302049
SNP_P1_74769_32209835	NC_021163.1	Ca_kabuli_chr04	32209835	GG	AA	1940302051
SNP_P1_74770_32209837	NC_021163.1	Ca_kabuli_chr04	32209837	CC	TT	1940302052
SNP_P1_74771_32210016	NC_021163.1	Ca_kabuli_chr04	32210016	AA	TT	1940302054
SNP_P1_74772_32210075	NC_021163.1	Ca_kabuli_chr04	32210075	GG	AA	1940302056
SNP_P1_74773_32210852	NC_021163.1	Ca_kabuli_chr04	32210852	AA	GG	1940302057
SNP_P1_74775_32212451	NC_021163.1	Ca_kabuli_chr04	32212451	GG	AA	1940302059
SNP_P1_74777_32212899	NC_021163.1	Ca_kabuli_chr04	32212899	GG	AA	1940302061
SNP_P1_74778_32213075	NC_021163.1	Ca_kabuli_chr04	32213075	CC	TT	1940302062
SNP_P1_74779_32213153	NC_021163.1	Ca_kabuli_chr04	32213153	CC	TT	1940302064
SNP_P1_74780_32213502	NC_021163.1	Ca_kabuli_chr04	32213502	AA	GG	1940302066
SNP_P1_74783_32214893	NC_021163.1	Ca_kabuli_chr04	32214893	AA	TT	1940302067
SNP_P1_74784_32215070	NC_021163.1	Ca_kabuli_chr04	32215070	AA	CC	1940302069
SNP_P1_74785_32215071	NC_021163.1	Ca_kabuli_chr04	32215071	TT	GG	1940302071
SNP_P1_74786_32215072	NC_021163.1	Ca_kabuli_chr04	32215072	GG	AA	1940302072
SNP_P1_74788_32215255	NC_021163.1	Ca_kabuli_chr04	32215255	TT	AA	1940302074
SNP_P1_74789_32215685	NC_021163.1	Ca_kabuli_chr04	32215685	TT	AA	1940302076
SNP_P1_74790_32215717	NC_021163.1	Ca_kabuli_chr04	32215717	TT	AA	1940302077
SNP_P1_74791_32215733	NC_021163.1	Ca_kabuli_chr04	32215733	TT	GG	1940302079
SNP_P1_74794_32216313	NC_021163.1	Ca_kabuli_chr04	32216313	TT	AA	1940302081
SNP_P1_74795_32216316	NC_021163.1	Ca_kabuli_chr04	32216316	GG	AA	1940302083
SNP_P1_74796_32216493	NC_021163.1	Ca_kabuli_chr04	32216493	TT	CC	1940302084
SNP_P1_74797_32216572	NC_021163.1	Ca_kabuli_chr04	32216572	CC	TT	1940302086
SNP_P1_74798_32216615	NC_021163.1	Ca_kabuli_chr04	32216615	CC	TT	1940302087
SNP_P1_74799_32216616	NC_021163.1	Ca_kabuli_chr04	32216616	TT	AA	1940302089
SNP_P1_74800_32216641	NC_021163.1	Ca_kabuli_chr04	32216641	AA	GG	1940302091
SNP_P1_74801_32216645	NC_021163.1	Ca_kabuli_chr04	32216645	GG	AA	1940302092
SNP_P1_74802_32216710	NC_021163.1	Ca_kabuli_chr04	32216710	GG	AA	1940302094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74805_32216929	NC_021163.1	Ca_kabuli_chr04	32216929	GG	AA	1940302099
SNP_P1_74806_32216987	NC_021163.1	Ca_kabuli_chr04	32216987	GG	AA	1940302101
SNP_P1_74807_32217011	NC_021163.1	Ca_kabuli_chr04	32217011	AA	TT	1940302102
SNP_P1_74808_32217138	NC_021163.1	Ca_kabuli_chr04	32217138	GG	AA	1940302105
SNP_P1_74809_32217275	NC_021163.1	Ca_kabuli_chr04	32217275	CC	TT	1940302106
SNP_P1_74810_32217864	NC_021163.1	Ca_kabuli_chr04	32217864	CC	TT	1940302108
SNP_P1_74811_32217897	NC_021163.1	Ca_kabuli_chr04	32217897	TT	CC	1940302109
SNP_P1_74812_32218147	NC_021163.1	Ca_kabuli_chr04	32218147	CC	TT	1940302111
SNP_P1_74813_32219380	NC_021163.1	Ca_kabuli_chr04	32219380	GG	AA	1940302113
SNP_P1_74815_32220286	NC_021163.1	Ca_kabuli_chr04	32220286	AA	GG	1940302114
SNP_P1_74816_32220704	NC_021163.1	Ca_kabuli_chr04	32220704	CC	TT	1940302116
SNP_P1_74817_32221131	NC_021163.1	Ca_kabuli_chr04	32221131	CC	TT	1940302118
SNP_P1_74818_32221157	NC_021163.1	Ca_kabuli_chr04	32221157	TT	CC	1940302119
SNP_P1_74819_32221158	NC_021163.1	Ca_kabuli_chr04	32221158	CC	TT	1940302121
SNP_P1_74820_32221290	NC_021163.1	Ca_kabuli_chr04	32221290	GG	CC	1940302123
SNP_P1_74821_32221313	NC_021163.1	Ca_kabuli_chr04	32221313	AA	CC	1940302124
SNP_P1_74822_32221522	NC_021163.1	Ca_kabuli_chr04	32221522	CC	TT	1940302126
SNP_P1_74823_3222186	NC_021163.1	Ca_kabuli_chr04	3222186	AA	CC	1940302128
SNP_P1_74824_3222190	NC_021163.1	Ca_kabuli_chr04	3222190	GG	AA	1940302129
SNP_P1_74826_32222851	NC_021163.1	Ca_kabuli_chr04	32222851	TT	AA	1940302131
SNP_P1_74828_32222931	NC_021163.1	Ca_kabuli_chr04	32222931	TT	AA	1940302133
SNP_P1_74829_32222933	NC_021163.1	Ca_kabuli_chr04	32222933	GG	AA	1940302134
SNP_P1_74830_32222949	NC_021163.1	Ca_kabuli_chr04	32222949	GG	TT	1940302136
SNP_P1_74831_32222989	NC_021163.1	Ca_kabuli_chr04	32222989	AA	GG	1940302138
SNP_P1_74832_32223029	NC_021163.1	Ca_kabuli_chr04	32223029	GG	AA	1940302139
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SNP_P1_74834_32223074	NC_021163.1	Ca_kabuli_chr04	32223074	TT	GG	1940302143
SNP_P1_74835_32223105	NC_021163.1	Ca_kabuli_chr04	32223105	TT	AA	1940302144
SNP_P1_74836_32223153	NC_021163.1	Ca_kabuli_chr04	32223153	AA	GG	1940302146
SNP_P1_74837_32223199	NC_021163.1	Ca_kabuli_chr04	32223199	GG	TT	1940302148
SNP_P1_74838_32223214	NC_021163.1	Ca_kabuli_chr04	32223214	GG	AA	1940302149
SNP_P1_74839_32223228	NC_021163.1	Ca_kabuli_chr04	32223228	GG	TT	1940302151
SNP_P1_74840_32223258	NC_021163.1	Ca_kabuli_chr04	32223258	TT	GG	1940302153
SNP_P1_74841_32223292	NC_021163.1	Ca_kabuli_chr04	32223292	GG	AA	1940302154
SNP_P1_74842_32223320	NC_021163.1	Ca_kabuli_chr04	32223320	CC	TT	1940302156
SNP_P1_74843_32223430	NC_021163.1	Ca_kabuli_chr04	32223430	CC	AA	1940302157
SNP_P1_74844_32223464	NC_021163.1	Ca_kabuli_chr04	32223464	GG	TT	1940302159
SNP_P1_74845_32223510	NC_021163.1	Ca_kabuli_chr04	32223510	GG	AA	1940302161
SNP_P1_74846_32223522	NC_021163.1	Ca_kabuli_chr04	32223522	TT	GG	1940302162
SNP_P1_74847_32223592	NC_021163.1	Ca_kabuli_chr04	32223592	CC	AA	1940302164

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74851_32225016	NC_021163.1	Ca_kabuli_chr04	32225016	TT	CC	1940302169
SNP_P1_74852_32225034	NC_021163.1	Ca_kabuli_chr04	32225034	TT	CC	1940302171
SNP_P1_74853_32225081	NC_021163.1	Ca_kabuli_chr04	32225081	AA	GG	1940302172
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SNP_P1_74855_32225231	NC_021163.1	Ca_kabuli_chr04	32225231	AA	GG	1940302176
SNP_P1_74856_32225513	NC_021163.1	Ca_kabuli_chr04	32225513	AA	GG	1940302177
SNP_P1_74857_32225529	NC_021163.1	Ca_kabuli_chr04	32225529	AA	CC	1940302179
SNP_P1_74858_32225555	NC_021163.1	Ca_kabuli_chr04	32225555	GG	TT	1940302181
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SNP_P1_74860_32225601	NC_021163.1	Ca_kabuli_chr04	32225601	AA	GG	1940302184
SNP_P1_74861_32225607	NC_021163.1	Ca_kabuli_chr04	32225607	TT	CC	1940302186
SNP_P1_74862_32225649	NC_021163.1	Ca_kabuli_chr04	32225649	TT	CC	1940302187
SNP_P1_74863_32225850	NC_021163.1	Ca_kabuli_chr04	32225850	TT	CC	1940302189
SNP_P1_74865_32225894	NC_021163.1	Ca_kabuli_chr04	32225894	AA	GG	1940302191
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SNP_P1_74867_32226451	NC_021163.1	Ca_kabuli_chr04	32226451	CC	TT	1940302194
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SNP_P1_74870_32227679	NC_021163.1	Ca_kabuli_chr04	32227679	GG	AA	1940302197
SNP_P1_74872_32233317	NC_021163.1	Ca_kabuli_chr04	32233317	CC	TT	1940302199
SNP_P1_74873_32233320	NC_021163.1	Ca_kabuli_chr04	32233320	TT	CC	1940302201
SNP_P1_74874_32233326	NC_021163.1	Ca_kabuli_chr04	32233326	TT	CC	1940302202
SNP_P1_74875_32233553	NC_021163.1	Ca_kabuli_chr04	32233553	CC	TT	1940302204
SNP_P1_74876_32233560	NC_021163.1	Ca_kabuli_chr04	32233560	AA	GG	1940302206
SNP_P1_74877_32233593	NC_021163.1	Ca_kabuli_chr04	32233593	CC	AA	1940302207
SNP_P1_74878_32235958	NC_021163.1	Ca_kabuli_chr04	32235958	GG	TT	1940302209
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SNP_P1_74880_32236412	NC_021163.1	Ca_kabuli_chr04	32236412	CC	GG	1940302212
SNP_P1_74881_32236466	NC_021163.1	Ca_kabuli_chr04	32236466	AA	CC	1940302214
SNP_P1_74882_32236498	NC_021163.1	Ca_kabuli_chr04	32236498	TT	CC	1940302216
SNP_P1_74883_32237486	NC_021163.1	Ca_kabuli_chr04	32237486	CC	AA	1940302217
SNP_P1_74884_32237756	NC_021163.1	Ca_kabuli_chr04	32237756	GG	AA	1940302219
SNP_P1_74885_32238737	NC_021163.1	Ca_kabuli_chr04	32238737	TT	GG	1940302220
SNP_P1_74886_32239361	NC_021163.1	Ca_kabuli_chr04	32239361	AA	GG	1940302222
SNP_P1_74887_32239443	NC_021163.1	Ca_kabuli_chr04	32239443	TT	CC	1940302224
SNP_P1_74888_32239689	NC_021163.1	Ca_kabuli_chr04	32239689	AA	CC	1940302225
SNP_P1_74889_32239765	NC_021163.1	Ca_kabuli_chr04	32239765	CC	TT	1940302227
SNP_P1_74890_32239917	NC_021163.1	Ca_kabuli_chr04	32239917	AA	TT	1940302229
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SNP_P1_74894_32240221	NC_021163.1	Ca_kabuli_chr04	32240221	CC	TT	1940302234

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74897_32241722	NC_021163.1	Ca_kabuli_chr04	32241722	GG	CC	1940302239
SNP_P1_74898_32241731	NC_021163.1	Ca_kabuli_chr04	32241731	GG	CC	1940302240
SNP_P1_74899_32241804	NC_021163.1	Ca_kabuli_chr04	32241804	AA	GG	1940302242
SNP_P1_74900_32241812	NC_021163.1	Ca_kabuli_chr04	32241812	GG	AA	1940302244
SNP_P1_74901_32241978	NC_021163.1	Ca_kabuli_chr04	32241978	TT	AA	1940302245
SNP_P1_74902_32241981	NC_021163.1	Ca_kabuli_chr04	32241981	AA	GG	1940302247
SNP_P1_74903_32241983	NC_021163.1	Ca_kabuli_chr04	32241983	CC	TT	1940302249
SNP_P1_74904_32243386	NC_021163.1	Ca_kabuli_chr04	32243386	AA	GG	1940302250
SNP_P1_74905_32243632	NC_021163.1	Ca_kabuli_chr04	32243632	CC	TT	1940302252
SNP_P1_74906_32243858	NC_021163.1	Ca_kabuli_chr04	32243858	TT	CC	1940302254
SNP_P1_74907_32243892	NC_021163.1	Ca_kabuli_chr04	32243892	TT	CC	1940302255
SNP_P1_74908_32245963	NC_021163.1	Ca_kabuli_chr04	32245963	GG	AA	1940302257
SNP_P1_74909_32252646	NC_021163.1	Ca_kabuli_chr04	32252646	GG	TT	1940302259
SNP_P1_74910_32255381	NC_021163.1	Ca_kabuli_chr04	32255381	AA	GG	1940302260
SNP_P1_74911_32255413	NC_021163.1	Ca_kabuli_chr04	32255413	AA	GG	1940302262
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SNP_P1_74914_32255618	NC_021163.1	Ca_kabuli_chr04	32255618	TT	CC	1940302267
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SNP_P1_74916_32255644	NC_021163.1	Ca_kabuli_chr04	32255644	GG	AA	1940302270
SNP_P1_74917_32255779	NC_021163.1	Ca_kabuli_chr04	32255779	AA	GG	1940302272
SNP_P1_74918_32255795	NC_021163.1	Ca_kabuli_chr04	32255795	GG	AA	1940302273
SNP_P1_74919_32256410	NC_021163.1	Ca_kabuli_chr04	32256410	TT	AA	1940302275
SNP_P1_74920_32256706	NC_021163.1	Ca_kabuli_chr04	32256706	AA	CC	1940302277
SNP_P1_74921_32257241	NC_021163.1	Ca_kabuli_chr04	32257241	GG	AA	1940302278
SNP_P1_74922_32257246	NC_021163.1	Ca_kabuli_chr04	32257246	CC	TT	1940302280
SNP_P1_74923_32257438	NC_021163.1	Ca_kabuli_chr04	32257438	TT	CC	1940302282
SNP_P1_74925_32257491	NC_021163.1	Ca_kabuli_chr04	32257491	TT	CC	1940302283
SNP_P1_74926_32257526	NC_021163.1	Ca_kabuli_chr04	32257526	GG	CC	1940302285
SNP_P1_74927_32257529	NC_021163.1	Ca_kabuli_chr04	32257529	AA	GG	1940302287
SNP_P1_74928_32258078	NC_021163.1	Ca_kabuli_chr04	32258078	AA	GG	1940302288
SNP_P1_74929_32258830	NC_021163.1	Ca_kabuli_chr04	32258830	GG	AA	1940302290
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SNP_P1_74931_32259423	NC_021163.1	Ca_kabuli_chr04	32259423	AA	GG	1940302293
SNP_P1_74932_32262450	NC_021163.1	Ca_kabuli_chr04	32262450	CC	TT	1940302295
SNP_P1_74933_32262451	NC_021163.1	Ca_kabuli_chr04	32262451	TT	AA	1940302297
SNP_P1_74934_32262476	NC_021163.1	Ca_kabuli_chr04	32262476	CC	TT	1940302298
SNP_P1_74935_32262491	NC_021163.1	Ca_kabuli_chr04	32262491	CC	TT	1940302300
SNP_P1_74936_32262523	NC_021163.1	Ca_kabuli_chr04	32262523	TT	CC	1940302302
SNP_P1_74937_32262532	NC_021163.1	Ca_kabuli_chr04	32262532	GG	AA	1940302303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74940_32262645	NC_021163.1	Ca_kabuli_chr04	32262645	TT	GG	1940302308
SNP_P1_74941_32262739	NC_021163.1	Ca_kabuli_chr04	32262739	AA	GG	1940302310
SNP_P1_74942_32262781	NC_021163.1	Ca_kabuli_chr04	32262781	AA	GG	1940302312
SNP_P1_74943_32262834	NC_021163.1	Ca_kabuli_chr04	32262834	AA	GG	1940302313
SNP_P1_74944_32262842	NC_021163.1	Ca_kabuli_chr04	32262842	AA	CC	1940302315
SNP_P1_74945_32262884	NC_021163.1	Ca_kabuli_chr04	32262884	GG	AA	1940302317
SNP_P1_74946_32263276	NC_021163.1	Ca_kabuli_chr04	32263276	GG	AA	1940302318
SNP_P1_74947_32263323	NC_021163.1	Ca_kabuli_chr04	32263323	AA	CC	1940302320
SNP_P1_74948_32263390	NC_021163.1	Ca_kabuli_chr04	32263390	CC	AA	1940302321
SNP_P1_74949_32263430	NC_021163.1	Ca_kabuli_chr04	32263430	TT	CC	1940302323
SNP_P1_74950_32263666	NC_021163.1	Ca_kabuli_chr04	32263666	CC	TT	1940302325
SNP_P1_74951_32263744	NC_021163.1	Ca_kabuli_chr04	32263744	AA	GG	1940302326
SNP_P1_74954_32263815	NC_021163.1	Ca_kabuli_chr04	32263815	TT	CC	1940302328
SNP_P1_74955_32264129	NC_021163.1	Ca_kabuli_chr04	32264129	CC	TT	1940302330
SNP_P1_74956_32264442	NC_021163.1	Ca_kabuli_chr04	32264442	AA	TT	1940302331
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SNP_P1_74960_32264790	NC_021163.1	Ca_kabuli_chr04	32264790	GG	AA	1940302335
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SNP_P1_74975_32290605	NC_021163.1	Ca_kabuli_chr04	32290605	AA	GG	1940302358
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SNP_P1_74982_32294547	NC_021163.1	Ca_kabuli_chr04	32294547	AA	TT	1940302368
SNP_P1_74983_32295405	NC_021163.1	Ca_kabuli_chr04	32295405	AA	GG	1940302370
SNP_P1_74984_32296277	NC_021163.1	Ca_kabuli_chr04	32296277	TT	CC	1940302371
SNP_P1_74985_32296442	NC_021163.1	Ca_kabuli_chr04	32296442	AA	TT	1940302373

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_74989_32298673	NC_021163.1	Ca_kabuli_chr04	32298673	AA	CC	1940302379
SNP_P1_74990_32298679	NC_021163.1	Ca_kabuli_chr04	32298679	CC	GG	1940302381
SNP_P1_74991_32300356	NC_021163.1	Ca_kabuli_chr04	32300356	GG	AA	1940302383
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SNP_P1_74997_32301367	NC_021163.1	Ca_kabuli_chr04	32301367	AA	TT	1940302391
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SNP_P1_74999_32301444	NC_021163.1	Ca_kabuli_chr04	32301444	AA	GG	1940302394
SNP_P1_75001_32301560	NC_021163.1	Ca_kabuli_chr04	32301560	AA	GG	1940302396
SNP_P1_75003_32301669	NC_021163.1	Ca_kabuli_chr04	32301669	CC	TT	1940302398
SNP_P1_75004_32301901	NC_021163.1	Ca_kabuli_chr04	32301901	CC	TT	1940302399
SNP_P1_75005_32301902	NC_021163.1	Ca_kabuli_chr04	32301902	TT	CC	1940302401
SNP_P1_75006_32301962	NC_021163.1	Ca_kabuli_chr04	32301962	GG	AA	1940302403
SNP_P1_75008_32302228	NC_021163.1	Ca_kabuli_chr04	32302228	AA	GG	1940302404
SNP_P1_75009_32302620	NC_021163.1	Ca_kabuli_chr04	32302620	GG	AA	1940302406
SNP_P1_75010_32302634	NC_021163.1	Ca_kabuli_chr04	32302634	CC	GG	1940302408
SNP_P1_75011_32302748	NC_021163.1	Ca_kabuli_chr04	32302748	AA	GG	1940302409
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SNP_P1_75014_32315405	NC_021163.1	Ca_kabuli_chr04	32315405	AA	GG	1940302413
SNP_P1_75015_32315727	NC_021163.1	Ca_kabuli_chr04	32315727	AA	CC	1940302414
SNP_P1_75016_32315761	NC_021163.1	Ca_kabuli_chr04	32315761	CC	TT	1940302416
SNP_P1_75017_32316983	NC_021163.1	Ca_kabuli_chr04	32316983	AA	GG	1940302418
SNP_P1_75018_32316996	NC_021163.1	Ca_kabuli_chr04	32316996	GG	TT	1940302419
SNP_P1_75019_32316998	NC_021163.1	Ca_kabuli_chr04	32316998	CC	AA	1940302421
SNP_P1_75020_32316999	NC_021163.1	Ca_kabuli_chr04	32316999	CC	TT	1940302423
SNP_P1_75021_32317031	NC_021163.1	Ca_kabuli_chr04	32317031	AA	GG	1940302424
SNP_P1_75022_32317316	NC_021163.1	Ca_kabuli_chr04	32317316	GG	TT	1940302426
SNP_P1_75023_32317321	NC_021163.1	Ca_kabuli_chr04	32317321	TT	AA	1940302428
SNP_P1_75024_32317326	NC_021163.1	Ca_kabuli_chr04	32317326	GG	CC	1940302429
SNP_P1_75025_32317335	NC_021163.1	Ca_kabuli_chr04	32317335	GG	AA	1940302431
SNP_P1_75026_32318224	NC_021163.1	Ca_kabuli_chr04	32318224	AA	GG	1940302433
SNP_P1_75027_32318288	NC_021163.1	Ca_kabuli_chr04	32318288	AA	CC	1940302434
SNP_P1_75028_32318292	NC_021163.1	Ca_kabuli_chr04	32318292	AA	GG	1940302436
SNP_P1_75029_32321615	NC_021163.1	Ca_kabuli_chr04	32321615	GG	TT	1940302437
SNP_P1_75030_32321674	NC_021163.1	Ca_kabuli_chr04	32321674	GG	AA	1940302439
SNP_P1_75031_32321693	NC_021163.1	Ca_kabuli_chr04	32321693	CC	TT	1940302441
SNP_P1_75032_32321714	NC_021163.1	Ca_kabuli_chr04	32321714	TT	CC	1940302442

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75035_32332130	NC_021163.1	Ca_kabuli_chr04	32332130	AA	GG	1940302447
SNP_P1_75036_32335153	NC_021163.1	Ca_kabuli_chr04	32335153	TT	CC	1940302449
SNP_P1_75037_32335160	NC_021163.1	Ca_kabuli_chr04	32335160	CC	TT	1940302451
SNP_P1_75039_32335220	NC_021163.1	Ca_kabuli_chr04	32335220	TT	AA	1940302452
SNP_P1_75040_32335401	NC_021163.1	Ca_kabuli_chr04	32335401	CC	TT	1940302454
SNP_P1_75041_32335461	NC_021163.1	Ca_kabuli_chr04	32335461	TT	CC	1940302456
SNP_P1_75042_32335620	NC_021163.1	Ca_kabuli_chr04	32335620	CC	GG	1940302457
SNP_P1_75043_32335640	NC_021163.1	Ca_kabuli_chr04	32335640	CC	AA	1940302459
SNP_P1_75044_32335699	NC_021163.1	Ca_kabuli_chr04	32335699	TT	CC	1940302461
SNP_P1_75045_32335720	NC_021163.1	Ca_kabuli_chr04	32335720	CC	TT	1940302462
SNP_P1_75046_32335742	NC_021163.1	Ca_kabuli_chr04	32335742	TT	GG	1940302464
SNP_P1_75047_32335795	NC_021163.1	Ca_kabuli_chr04	32335795	AA	GG	1940302466
SNP_P1_75048_32338951	NC_021163.1	Ca_kabuli_chr04	32338951	GG	AA	1940302467
SNP_P1_75049_32339316	NC_021163.1	Ca_kabuli_chr04	32339316	AA	GG	1940302469
SNP_P1_75051_32344005	NC_021163.1	Ca_kabuli_chr04	32344005	GG	TT	1940302471
SNP_P1_75052_32344080	NC_021163.1	Ca_kabuli_chr04	32344080	AA	GG	1940302472
SNP_P1_75053_32344410	NC_021163.1	Ca_kabuli_chr04	32344410	CC	TT	1940302474
SNP_P1_75054_32344427	NC_021163.1	Ca_kabuli_chr04	32344427	GG	AA	1940302476
SNP_P1_75055_32344703	NC_021163.1	Ca_kabuli_chr04	32344703	GG	AA	1940302477
SNP_P1_75056_32345169	NC_021163.1	Ca_kabuli_chr04	32345169	GG	CC	1940302479
SNP_P1_75057_32345176	NC_021163.1	Ca_kabuli_chr04	32345176	GG	TT	1940302481
SNP_P1_75058_32345177	NC_021163.1	Ca_kabuli_chr04	32345177	AA	CC	1940302482
SNP_P1_75059_32347966	NC_021163.1	Ca_kabuli_chr04	32347966	GG	AA	1940302484
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SNP_P1_75061_32347986	NC_021163.1	Ca_kabuli_chr04	32347986	GG	CC	1940302487
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SNP_P1_75063_32352877	NC_021163.1	Ca_kabuli_chr04	32352877	TT	CC	1940302491
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SNP_P1_75065_32355640	NC_021163.1	Ca_kabuli_chr04	32355640	TT	CC	1940302494
SNP_P1_75066_32355642	NC_021163.1	Ca_kabuli_chr04	32355642	GG	AA	1940302496
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SNP_P1_75068_32363378	NC_021163.1	Ca_kabuli_chr04	32363378	GG	CC	1940302499
SNP_P1_75069_32363811	NC_021163.1	Ca_kabuli_chr04	32363811	GG	CC	1940302501
SNP_P1_75070_32363827	NC_021163.1	Ca_kabuli_chr04	32363827	CC	TT	1940302502
SNP_P1_75071_32363869	NC_021163.1	Ca_kabuli_chr04	32363869	TT	AA	1940302504
SNP_P1_75072_32363877	NC_021163.1	Ca_kabuli_chr04	32363877	TT	GG	1940302506
SNP_P1_75073_32363899	NC_021163.1	Ca_kabuli_chr04	32363899	TT	CC	1940302507
SNP_P1_75074_32363943	NC_021163.1	Ca_kabuli_chr04	32363943	GG	AA	1940302509
SNP_P1_75075_32364266	NC_021163.1	Ca_kabuli_chr04	32364266	TT	CC	1940302511
SNP_P1_75076_32364564	NC_021163.1	Ca_kabuli_chr04	32364564	CC	TT	1940302512

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75078_32365244	NC_021163.1	Ca_kabuli_chr04	32365244	CC	AA	1940302516
SNP_P1_75079_32365445	NC_021163.1	Ca_kabuli_chr04	32365445	AA	TT	1940302517
SNP_P1_75080_32365476	NC_021163.1	Ca_kabuli_chr04	32365476	AA	GG	1940302519
SNP_P1_75081_32365560	NC_021163.1	Ca_kabuli_chr04	32365560	GG	AA	1940302520
SNP_P1_75082_32365959	NC_021163.1	Ca_kabuli_chr04	32365959	GG	AA	1940302522
SNP_P1_75084_32366067	NC_021163.1	Ca_kabuli_chr04	32366067	AA	GG	1940302524
SNP_P1_75085_32366135	NC_021163.1	Ca_kabuli_chr04	32366135	CC	AA	1940302525
SNP_P1_75086_32366137	NC_021163.1	Ca_kabuli_chr04	32366137	CC	AA	1940302527
SNP_P1_75087_32366213	NC_021163.1	Ca_kabuli_chr04	32366213	GG	AA	1940302529
SNP_P1_75089_32368140	NC_021163.1	Ca_kabuli_chr04	32368140	CC	TT	1940302530
SNP_P1_75090_32369288	NC_021163.1	Ca_kabuli_chr04	32369288	CC	TT	1940302532
SNP_P1_75091_32369301	NC_021163.1	Ca_kabuli_chr04	32369301	AA	GG	1940302534
SNP_P1_75092_32369303	NC_021163.1	Ca_kabuli_chr04	32369303	CC	AA	1940302535
SNP_P1_75094_32369614	NC_021163.1	Ca_kabuli_chr04	32369614	AA	TT	1940302537
SNP_P1_75095_32369639	NC_021163.1	Ca_kabuli_chr04	32369639	TT	AA	1940302539
SNP_P1_75096_32370145	NC_021163.1	Ca_kabuli_chr04	32370145	GG	AA	1940302540
SNP_P1_75098_32370396	NC_021163.1	Ca_kabuli_chr04	32370396	AA	TT	1940302542
SNP_P1_75099_32370746	NC_021163.1	Ca_kabuli_chr04	32370746	AA	CC	1940302544
SNP_P1_75100_32371309	NC_021163.1	Ca_kabuli_chr04	32371309	AA	GG	1940302545
SNP_P1_75101_32373384	NC_021163.1	Ca_kabuli_chr04	32373384	AA	GG	1940302547
SNP_P1_75102_32373772	NC_021163.1	Ca_kabuli_chr04	32373772	AA	TT	1940302549
SNP_P1_75103_32373773	NC_021163.1	Ca_kabuli_chr04	32373773	AA	TT	1940302550
SNP_P1_75104_32373774	NC_021163.1	Ca_kabuli_chr04	32373774	AA	TT	1940302552
SNP_P1_75105_32374242	NC_021163.1	Ca_kabuli_chr04	32374242	TT	CC	1940302554
SNP_P1_75106_32374500	NC_021163.1	Ca_kabuli_chr04	32374500	TT	CC	1940302555
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SNP_P1_75108_32374862	NC_021163.1	Ca_kabuli_chr04	32374862	TT	CC	1940302559
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SNP_P1_75110_32375496	NC_021163.1	Ca_kabuli_chr04	32375496	GG	AA	1940302562
SNP_P1_75111_32375500	NC_021163.1	Ca_kabuli_chr04	32375500	TT	CC	1940302564
SNP_P1_75112_32375512	NC_021163.1	Ca_kabuli_chr04	32375512	AA	TT	1940302565
SNP_P1_75113_32375571	NC_021163.1	Ca_kabuli_chr04	32375571	AA	GG	1940302567
SNP_P1_75114_32376066	NC_021163.1	Ca_kabuli_chr04	32376066	AA	TT	1940302569
SNP_P1_75115_32376100	NC_021163.1	Ca_kabuli_chr04	32376100	TT	AA	1940302570
SNP_P1_75116_32376102	NC_021163.1	Ca_kabuli_chr04	32376102	TT	CC	1940302572
SNP_P1_75117_32376355	NC_021163.1	Ca_kabuli_chr04	32376355	CC	TT	1940302574
SNP_P1_75118_32376357	NC_021163.1	Ca_kabuli_chr04	32376357	GG	TT	1940302575
SNP_P1_75119_32376437	NC_021163.1	Ca_kabuli_chr04	32376437	TT	AA	1940302577
SNP_P1_75120_32376448	NC_021163.1	Ca_kabuli_chr04	32376448	GG	AA	1940302578
SNP_P1_75121_32376452	NC_021163.1	Ca_kabuli_chr04	32376452	CC	TT	1940302580
SNP_P1_75122_32376479	NC_021163.1	Ca_kabuli_chr04	32376479	TT	CC	1940302582

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75125_32377517	NC_021163.1	Ca_kabuli_chr04	32377517	TT	CC	1940302587
SNP_P1_75126_32377733	NC_021163.1	Ca_kabuli_chr04	32377733	AA	GG	1940302588
SNP_P1_75127_32377748	NC_021163.1	Ca_kabuli_chr04	32377748	TT	GG	1940302590
SNP_P1_75128_32377768	NC_021163.1	Ca_kabuli_chr04	32377768	CC	AA	1940302592
SNP_P1_75129_32377778	NC_021163.1	Ca_kabuli_chr04	32377778	AA	CC	1940302593
SNP_P1_75130_32377779	NC_021163.1	Ca_kabuli_chr04	32377779	GG	AA	1940302595
SNP_P1_75131_32377997	NC_021163.1	Ca_kabuli_chr04	32377997	TT	CC	1940302597
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SNP_P1_75133_32380896	NC_021163.1	Ca_kabuli_chr04	32380896	CC	AA	1940302600
SNP_P1_75134_32381048	NC_021163.1	Ca_kabuli_chr04	32381048	AA	CC	1940302602
SNP_P1_75135_32381229	NC_021163.1	Ca_kabuli_chr04	32381229	CC	TT	1940302603
SNP_P1_75136_32381232	NC_021163.1	Ca_kabuli_chr04	32381232	AA	GG	1940302605
SNP_P1_75137_32381237	NC_021163.1	Ca_kabuli_chr04	32381237	AA	GG	1940302607
SNP_P1_75138_32381334	NC_021163.1	Ca_kabuli_chr04	32381334	TT	CC	1940302608
SNP_P1_75139_32381535	NC_021163.1	Ca_kabuli_chr04	32381535	TT	CC	1940302610
SNP_P1_75140_32381537	NC_021163.1	Ca_kabuli_chr04	32381537	AA	GG	1940302612
SNP_P1_75141_32381548	NC_021163.1	Ca_kabuli_chr04	32381548	AA	CC	1940302613
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SNP_P1_75144_32381903	NC_021163.1	Ca_kabuli_chr04	32381903	TT	AA	1940302618
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SNP_P1_75154_32387346	NC_021163.1	Ca_kabuli_chr04	32387346	AA	GG	1940302630
SNP_P1_75155_32388144	NC_021163.1	Ca_kabuli_chr04	32388144	GG	AA	1940302631
SNP_P1_75157_32388545	NC_021163.1	Ca_kabuli_chr04	32388545	AA	TT	1940302633
SNP_P1_75159_32388822	NC_021163.1	Ca_kabuli_chr04	32388822	CC	GG	1940302635
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SNP_P1_75168_32391053	NC_021163.1	Ca_kabuli_chr04	32391053	AA	GG	1940302648
SNP_P1_75169_32392237	NC_021163.1	Ca_kabuli_chr04	32392237	CC	TT	1940302650
SNP_P1_75170_32392279	NC_021163.1	Ca_kabuli_chr04	32392279	TT	AA	1940302651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75176_32395323	NC_021163.1	Ca_kabuli_chr04	32395323	AA	GG	1940302658
SNP_P1_75178_32395942	NC_021163.1	Ca_kabuli_chr04	32395942	AA	GG	1940302660
SNP_P1_75180_32396863	NC_021163.1	Ca_kabuli_chr04	32396863	GG	AA	1940302661
SNP_P1_75181_32397745	NC_021163.1	Ca_kabuli_chr04	32397745	TT	AA	1940302663
SNP_P1_75182_32397791	NC_021163.1	Ca_kabuli_chr04	32397791	CC	TT	1940302665
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SNP_P1_75195_32398113	NC_021163.1	Ca_kabuli_chr04	32398113	GG	AA	1940302686
SNP_P1_75197_32398188	NC_021163.1	Ca_kabuli_chr04	32398188	AA	TT	1940302687
SNP_P1_75198_32398200	NC_021163.1	Ca_kabuli_chr04	32398200	TT	GG	1940302689
SNP_P1_75199_32398203	NC_021163.1	Ca_kabuli_chr04	32398203	TT	CC	1940302691
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SNP_P1_75201_32398250	NC_021163.1	Ca_kabuli_chr04	32398250	CC	AA	1940302694
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SNP_P1_75203_32398288	NC_021163.1	Ca_kabuli_chr04	32398288	GG	AA	1940302697
SNP_P1_75204_32399584	NC_021163.1	Ca_kabuli_chr04	32399584	GG	TT	1940302699
SNP_P1_75208_32401109	NC_021163.1	Ca_kabuli_chr04	32401109	AA	GG	1940302701
SNP_P1_75209_32402382	NC_021163.1	Ca_kabuli_chr04	32402382	TT	GG	1940302702
SNP_P1_75210_32403613	NC_021163.1	Ca_kabuli_chr04	32403613	AA	GG	1940302704
SNP_P1_75211_32403802	NC_021163.1	Ca_kabuli_chr04	32403802	CC	TT	1940302706
SNP_P1_75212_32404020	NC_021163.1	Ca_kabuli_chr04	32404020	GG	AA	1940302707
SNP_P1_75213_32404024	NC_021163.1	Ca_kabuli_chr04	32404024	AA	GG	1940302709
SNP_P1_75214_32404025	NC_021163.1	Ca_kabuli_chr04	32404025	TT	CC	1940302710
SNP_P1_75216_32404197	NC_021163.1	Ca_kabuli_chr04	32404197	TT	CC	1940302712
SNP_P1_75217_32404213	NC_021163.1	Ca_kabuli_chr04	32404213	AA	TT	1940302714
SNP_P1_75218_32404258	NC_021163.1	Ca_kabuli_chr04	32404258	TT	AA	1940302715
SNP_P1_75219_32404268	NC_021163.1	Ca_kabuli_chr04	32404268	CC	TT	1940302717
SNP_P1_75220_32404276	NC_021163.1	Ca_kabuli_chr04	32404276	AA	GG	1940302719
SNP_P1_75221_32404294	NC_021163.1	Ca_kabuli_chr04	32404294	CC	AA	1940302720

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_75222_32404296	NC_021163.1	Ca_kabuli_chr04	32404296	GG	AA	1940302722
SNP_P1_75223_32404326	NC_021163.1	Ca_kabuli_chr04	32404326	TT	CC	1940302724
SNP_P1_75224_32404433	NC_021163.1	Ca_kabuli_chr04	32404433	TT	CC	1940302725
SNP_P1_75225_32404446	NC_021163.1	Ca_kabuli_chr04	32404446	GG	AA	1940302727
SNP_P1_75226_32404448	NC_021163.1	Ca_kabuli_chr04	32404448	AA	TT	1940302729
SNP_P1_75227_32404461	NC_021163.1	Ca_kabuli_chr04	32404461	AA	GG	1940302730
SNP_P1_75228_32404559	NC_021163.1	Ca_kabuli_chr04	32404559	TT	CC	1940302732
SNP_P1_75229_32404571	NC_021163.1	Ca_kabuli_chr04	32404571	TT	CC	1940302734
SNP_P1_75231_32411620	NC_021163.1	Ca_kabuli_chr04	32411620	TT	GG	1940302735
SNP_P1_75232_32411633	NC_021163.1	Ca_kabuli_chr04	32411633	AA	GG	1940302737
SNP_P1_75233_32411652	NC_021163.1	Ca_kabuli_chr04	32411652	AA	GG	1940302739
SNP_P1_75234_32411657	NC_021163.1	Ca_kabuli_chr04	32411657	GG	TT	1940302740
SNP_P1_75235_32411675	NC_021163.1	Ca_kabuli_chr04	32411675	CC	TT	1940302742
SNP_P1_75236_32411696	NC_021163.1	Ca_kabuli_chr04	32411696	AA	TT	1940302744
SNP_P1_75237_32411697	NC_021163.1	Ca_kabuli_chr04	32411697	TT	CC	1940302745
SNP_P1_75238_32411746	NC_021163.1	Ca_kabuli_chr04	32411746	GG	AA	1940302747
SNP_P1_75239_32413091	NC_021163.1	Ca_kabuli_chr04	32413091	AA	CC	1940302748
SNP_P1_75240_32413107	NC_021163.1	Ca_kabuli_chr04	32413107	GG	TT	1940302750
SNP_P1_75241_32413135	NC_021163.1	Ca_kabuli_chr04	32413135	AA	GG	1940302752
SNP_P1_75242_32413391	NC_021163.1	Ca_kabuli_chr04	32413391	CC	GG	1940302753
SNP_P1_75243_32413399	NC_021163.1	Ca_kabuli_chr04	32413399	TT	AA	1940302755
SNP_P1_75244_32413416	NC_021163.1	Ca_kabuli_chr04	32413416	AA	TT	1940302757
SNP_P1_75245_32413424	NC_021163.1	Ca_kabuli_chr04	32413424	CC	TT	1940302758
SNP_P1_75246_32413445	NC_021163.1	Ca_kabuli_chr04	32413445	TT	CC	1940302760
SNP_P1_75248_32413910	NC_021163.1	Ca_kabuli_chr04	32413910	AA	TT	1940302762
SNP_P1_75249_32414840	NC_021163.1	Ca_kabuli_chr04	32414840	CC	GG	1940302763
SNP_P1_75251_32415652	NC_021163.1	Ca_kabuli_chr04	32415652	AA	TT	1940302765
SNP_P1_75252_32415659	NC_021163.1	Ca_kabuli_chr04	32415659	TT	AA	1940302767
SNP_P1_75253_32415660	NC_021163.1	Ca_kabuli_chr04	32415660	CC	TT	1940302768
SNP_P1_75254_32415669	NC_021163.1	Ca_kabuli_chr04	32415669	CC	TT	1940302770
SNP_P1_75255_32415683	NC_021163.1	Ca_kabuli_chr04	32415683	CC	GG	1940302772
SNP_P1_75256_32415804	NC_021163.1	Ca_kabuli_chr04	32415804	AA	CC	1940302773
SNP_P1_75257_32415853	NC_021163.1	Ca_kabuli_chr04	32415853	CC	GG	1940302775
SNP_P1_75258_32415856	NC_021163.1	Ca_kabuli_chr04	32415856	AA	GG	1940302777
SNP_P1_75259_32415857	NC_021163.1	Ca_kabuli_chr04	32415857	GG	AA	1940302779
SNP_P1_75261_32416471	NC_021163.1	Ca_kabuli_chr04	32416471	TT	GG	1940302780
SNP_P1_75262_32416917	NC_021163.1	Ca_kabuli_chr04	32416917	TT	CC	1940302782
SNP_P1_75263_32416947	NC_021163.1	Ca_kabuli_chr04	32416947	CC	TT	1940302784
SNP_P1_75264_32416964	NC_021163.1	Ca_kabuli_chr04	32416964	TT	CC	1940302785
SNP_P1_75266_32418505	NC_021163.1	Ca_kabuli_chr04	32418505	AA	GG	1940302787
SNP_P1_75268_32431849	NC_021163.1	Ca_kabuli_chr04	32431849	AA	GG	1940302789
SNP_P1_75269_32432091	NC_021163.1	Ca_kabuli_chr04	32432091	GG	AA	1940302790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75271_32432148	NC_021163.1	Ca_kabuli_chr04	32432148	TT	CC	1940302794
SNP_P1_75272_32432344	NC_021163.1	Ca_kabuli_chr04	32432344	AA	TT	1940302795
SNP_P1_75273_32432349	NC_021163.1	Ca_kabuli_chr04	32432349	GG	AA	1940302797
SNP_P1_75274_32432422	NC_021163.1	Ca_kabuli_chr04	32432422	AA	GG	1940302799
SNP_P1_75276_32432546	NC_021163.1	Ca_kabuli_chr04	32432546	GG	CC	1940302800
SNP_P1_75277_32432555	NC_021163.1	Ca_kabuli_chr04	32432555	GG	AA	1940302802
SNP_P1_75278_32432569	NC_021163.1	Ca_kabuli_chr04	32432569	GG	AA	1940302804
SNP_P1_75279_32432693	NC_021163.1	Ca_kabuli_chr04	32432693	GG	AA	1940302805
SNP_P1_75280_32432703	NC_021163.1	Ca_kabuli_chr04	32432703	AA	CC	1940302807
SNP_P1_75281_32432736	NC_021163.1	Ca_kabuli_chr04	32432736	TT	CC	1940302809
SNP_P1_75282_32432762	NC_021163.1	Ca_kabuli_chr04	32432762	GG	AA	1940302810
SNP_P1_75283_32432981	NC_021163.1	Ca_kabuli_chr04	32432981	CC	TT	1940302812
SNP_P1_75284_32432987	NC_021163.1	Ca_kabuli_chr04	32432987	CC	TT	1940302814
SNP_P1_75286_32432990	NC_021163.1	Ca_kabuli_chr04	32432990	AA	GG	1940302815
SNP_P1_75287_32433952	NC_021163.1	Ca_kabuli_chr04	32433952	TT	CC	1940302817
SNP_P1_75288_32434014	NC_021163.1	Ca_kabuli_chr04	32434014	GG	AA	1940302819
SNP_P1_75289_32434044	NC_021163.1	Ca_kabuli_chr04	32434044	TT	CC	1940302820
SNP_P1_75291_32450587	NC_021163.1	Ca_kabuli_chr04	32450587	AA	TT	1940302822
SNP_P1_75292_32450719	NC_021163.1	Ca_kabuli_chr04	32450719	TT	CC	1940302824
SNP_P1_75293_32453992	NC_021163.1	Ca_kabuli_chr04	32453992	CC	TT	1940302825
SNP_P1_75296_32454530	NC_021163.1	Ca_kabuli_chr04	32454530	GG	TT	1940302827
SNP_P1_75297_32454866	NC_021163.1	Ca_kabuli_chr04	32454866	AA	GG	1940302829
SNP_P1_75298_32454875	NC_021163.1	Ca_kabuli_chr04	32454875	TT	CC	1940302830
SNP_P1_75299_32455161	NC_021163.1	Ca_kabuli_chr04	32455161	CC	TT	1940302832
SNP_P1_75300_32455435	NC_021163.1	Ca_kabuli_chr04	32455435	TT	CC	1940302834
SNP_P1_75301_32455440	NC_021163.1	Ca_kabuli_chr04	32455440	CC	AA	1940302835
SNP_P1_75302_32455501	NC_021163.1	Ca_kabuli_chr04	32455501	GG	AA	1940302837
SNP_P1_75303_32455521	NC_021163.1	Ca_kabuli_chr04	32455521	TT	GG	1940302839
SNP_P1_75304_32455823	NC_021163.1	Ca_kabuli_chr04	32455823	AA	GG	1940302840
SNP_P1_75305_32455835	NC_021163.1	Ca_kabuli_chr04	32455835	AA	TT	1940302842
SNP_P1_75306_32455836	NC_021163.1	Ca_kabuli_chr04	32455836	CC	TT	1940302843
SNP_P1_75307_32455840	NC_021163.1	Ca_kabuli_chr04	32455840	TT	CC	1940302845
SNP_P1_75308_32455862	NC_021163.1	Ca_kabuli_chr04	32455862	AA	TT	1940302847
SNP_P1_75310_32457668	NC_021163.1	Ca_kabuli_chr04	32457668	CC	AA	1940302848
SNP_P1_75311_32457722	NC_021163.1	Ca_kabuli_chr04	32457722	AA	GG	1940302850
SNP_P1_75312_32457849	NC_021163.1	Ca_kabuli_chr04	32457849	AA	TT	1940302852
SNP_P1_75313_32457855	NC_021163.1	Ca_kabuli_chr04	32457855	TT	CC	1940302853
SNP_P1_75314_32457872	NC_021163.1	Ca_kabuli_chr04	32457872	TT	CC	1940302855
SNP_P1_75315_32458672	NC_021163.1	Ca_kabuli_chr04	32458672	AA	GG	1940302857
SNP_P1_75316_32459106	NC_021163.1	Ca_kabuli_chr04	32459106	CC	AA	1940302858
SNP_P1_75317_32459115	NC_021163.1	Ca_kabuli_chr04	32459115	AA	GG	1940302860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75321_32461946	NC_021163.1	Ca_kabuli_chr04	32461946	CC	GG	1940302863
SNP_P1_75322_32462025	NC_021163.1	Ca_kabuli_chr04	32462025	CC	TT	1940302865
SNP_P1_75323_32463411	NC_021163.1	Ca_kabuli_chr04	32463411	TT	GG	1940302867
SNP_P1_75324_32463690	NC_021163.1	Ca_kabuli_chr04	32463690	AA	GG	1940302868
SNP_P1_75326_32465396	NC_021163.1	Ca_kabuli_chr04	32465396	TT	AA	1940302870
SNP_P1_75327_32466258	NC_021163.1	Ca_kabuli_chr04	32466258	AA	CC	1940302872
SNP_P1_75328_32466650	NC_021163.1	Ca_kabuli_chr04	32466650	CC	GG	1940302873
SNP_P1_75329_32466921	NC_021163.1	Ca_kabuli_chr04	32466921	CC	TT	1940302875
SNP_P1_75330_32466997	NC_021163.1	Ca_kabuli_chr04	32466997	CC	TT	1940302877
SNP_P1_75332_32467030	NC_021163.1	Ca_kabuli_chr04	32467030	TT	GG	1940302878
SNP_P1_75333_32467254	NC_021163.1	Ca_kabuli_chr04	32467254	AA	GG	1940302880
SNP_P1_75334_32467474	NC_021163.1	Ca_kabuli_chr04	32467474	GG	TT	1940302882
SNP_P1_75336_32470900	NC_021163.1	Ca_kabuli_chr04	32470900	TT	AA	1940302883
SNP_P1_75337_32471282	NC_021163.1	Ca_kabuli_chr04	32471282	CC	TT	1940302885
SNP_P1_75338_32471290	NC_021163.1	Ca_kabuli_chr04	32471290	TT	AA	1940302887
SNP_P1_75339_32471622	NC_021163.1	Ca_kabuli_chr04	32471622	GG	TT	1940302888
SNP_P1_75340_32471634	NC_021163.1	Ca_kabuli_chr04	32471634	CC	TT	1940302890
SNP_P1_75341_32471637	NC_021163.1	Ca_kabuli_chr04	32471637	AA	GG	1940302892
SNP_P1_75342_32471651	NC_021163.1	Ca_kabuli_chr04	32471651	GG	AA	1940302893
SNP_P1_75343_32471835	NC_021163.1	Ca_kabuli_chr04	32471835	GG	AA	1940302895
SNP_P1_75344_32472090	NC_021163.1	Ca_kabuli_chr04	32472090	GG	TT	1940302897
SNP_P1_75345_32472149	NC_021163.1	Ca_kabuli_chr04	32472149	AA	TT	1940302898
SNP_P1_75346_32473200	NC_021163.1	Ca_kabuli_chr04	32473200	GG	AA	1940302900
SNP_P1_75348_32474413	NC_021163.1	Ca_kabuli_chr04	32474413	AA	GG	1940302902
SNP_P1_75349_32474735	NC_021163.1	Ca_kabuli_chr04	32474735	TT	CC	1940302903
SNP_P1_75350_32478162	NC_021163.1	Ca_kabuli_chr04	32478162	GG	AA	1940302905
SNP_P1_75351_32480846	NC_021163.1	Ca_kabuli_chr04	32480846	CC	TT	1940302906
SNP_P1_75352_32481218	NC_021163.1	Ca_kabuli_chr04	32481218	AA	GG	1940302908
SNP_P1_75353_32482047	NC_021163.1	Ca_kabuli_chr04	32482047	GG	TT	1940302910
SNP_P1_75354_32482205	NC_021163.1	Ca_kabuli_chr04	32482205	AA	TT	1940302911
SNP_P1_75355_32482206	NC_021163.1	Ca_kabuli_chr04	32482206	TT	GG	1940302913
SNP_P1_75357_32482497	NC_021163.1	Ca_kabuli_chr04	32482497	GG	AA	1940302915
SNP_P1_75358_32482531	NC_021163.1	Ca_kabuli_chr04	32482531	CC	AA	1940302916
SNP_P1_75361_32483063	NC_021163.1	Ca_kabuli_chr04	32483063	TT	AA	1940302918
SNP_P1_75362_32483254	NC_021163.1	Ca_kabuli_chr04	32483254	CC	AA	1940302920
SNP_P1_75363_32483260	NC_021163.1	Ca_kabuli_chr04	32483260	AA	TT	1940302921
SNP_P1_75364_32483552	NC_021163.1	Ca_kabuli_chr04	32483552	CC	AA	1940302923
SNP_P1_75365_32483585	NC_021163.1	Ca_kabuli_chr04	32483585	CC	TT	1940302925
SNP_P1_75366_32484090	NC_021163.1	Ca_kabuli_chr04	32484090	CC	AA	1940302926
SNP_P1_75367_32484233	NC_021163.1	Ca_kabuli_chr04	32484233	TT	CC	1940302928
SNP_P1_75369_32484429	NC_021163.1	Ca_kabuli_chr04	32484429	AA	GG	1940302930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75371_32485347	NC_021163.1	Ca_kabuli_chr04	32485347	AA	TT	1940302933
SNP_P1_75372_32485348	NC_021163.1	Ca_kabuli_chr04	32485348	AA	CC	1940302935
SNP_P1_75373_32485639	NC_021163.1	Ca_kabuli_chr04	32485639	TT	GG	1940302936
SNP_P1_75374_32486859	NC_021163.1	Ca_kabuli_chr04	32486859	TT	CC	1940302938
SNP_P1_75375_32487014	NC_021163.1	Ca_kabuli_chr04	32487014	TT	AA	1940302940
SNP_P1_75376_32488071	NC_021163.1	Ca_kabuli_chr04	32488071	CC	TT	1940302941
SNP_P1_75377_32488083	NC_021163.1	Ca_kabuli_chr04	32488083	TT	GG	1940302943
SNP_P1_75378_32488718	NC_021163.1	Ca_kabuli_chr04	32488718	CC	TT	1940302945
SNP_P1_75379_32488920	NC_021163.1	Ca_kabuli_chr04	32488920	GG	TT	1940302946
SNP_P1_75380_32489049	NC_021163.1	Ca_kabuli_chr04	32489049	CC	AA	1940302948
SNP_P1_75381_32489094	NC_021163.1	Ca_kabuli_chr04	32489094	AA	TT	1940302950
SNP_P1_75384_32489945	NC_021163.1	Ca_kabuli_chr04	32489945	CC	AA	1940302951
SNP_P1_75385_32489957	NC_021163.1	Ca_kabuli_chr04	32489957	AA	GG	1940302953
SNP_P1_75386_32490514	NC_021163.1	Ca_kabuli_chr04	32490514	CC	TT	1940302955
SNP_P1_75387_32490565	NC_021163.1	Ca_kabuli_chr04	32490565	TT	CC	1940302956
SNP_P1_75388_32490840	NC_021163.1	Ca_kabuli_chr04	32490840	TT	AA	1940302958
SNP_P1_75389_32490847	NC_021163.1	Ca_kabuli_chr04	32490847	GG	AA	1940302960
SNP_P1_75390_32491434	NC_021163.1	Ca_kabuli_chr04	32491434	AA	GG	1940302961
SNP_P1_75391_32492003	NC_021163.1	Ca_kabuli_chr04	32492003	AA	GG	1940302963
SNP_P1_75392_32492066	NC_021163.1	Ca_kabuli_chr04	32492066	AA	CC	1940302965
SNP_P1_75394_32492153	NC_021163.1	Ca_kabuli_chr04	32492153	CC	TT	1940302966
SNP_P1_75395_32492182	NC_021163.1	Ca_kabuli_chr04	32492182	CC	TT	1940302968
SNP_P1_75396_32492198	NC_021163.1	Ca_kabuli_chr04	32492198	AA	GG	1940302969
SNP_P1_75397_32492211	NC_021163.1	Ca_kabuli_chr04	32492211	GG	AA	1940302971
SNP_P1_75398_32492464	NC_021163.1	Ca_kabuli_chr04	32492464	AA	GG	1940302973
SNP_P1_75400_32493410	NC_021163.1	Ca_kabuli_chr04	32493410	TT	CC	1940302974
SNP_P1_75401_32493462	NC_021163.1	Ca_kabuli_chr04	32493462	AA	GG	1940302976
SNP_P1_75402_32493634	NC_021163.1	Ca_kabuli_chr04	32493634	CC	TT	1940302978
SNP_P1_75403_32493655	NC_021163.1	Ca_kabuli_chr04	32493655	AA	CC	1940302979
SNP_P1_75404_32494372	NC_021163.1	Ca_kabuli_chr04	32494372	TT	CC	1940302981
SNP_P1_75405_32494495	NC_021163.1	Ca_kabuli_chr04	32494495	AA	TT	1940302983
SNP_P1_75406_32494509	NC_021163.1	Ca_kabuli_chr04	32494509	TT	CC	1940302984
SNP_P1_75407_32494521	NC_021163.1	Ca_kabuli_chr04	32494521	AA	CC	1940302986
SNP_P1_75408_32494543	NC_021163.1	Ca_kabuli_chr04	32494543	TT	CC	1940302988
SNP_P1_75411_32494741	NC_021163.1	Ca_kabuli_chr04	32494741	AA	TT	1940302989
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SNP_P1_75413_32496531	NC_021163.1	Ca_kabuli_chr04	32496531	GG	CC	1940302993
SNP_P1_75416_32496807	NC_021163.1	Ca_kabuli_chr04	32496807	AA	CC	1940302994
SNP_P1_75417_32497075	NC_021163.1	Ca_kabuli_chr04	32497075	GG	AA	1940302996
SNP_P1_75418_32497256	NC_021163.1	Ca_kabuli_chr04	32497256	GG	AA	1940302998
SNP_P1_75419_32497288	NC_021163.1	Ca_kabuli_chr04	32497288	TT	CC	1940302999

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75421_32497622	NC_021163.1	Ca_kabuli_chr04	32497622	GG	CC	1940303003
SNP_P1_75423_32497734	NC_021163.1	Ca_kabuli_chr04	32497734	GG	AA	1940303004
SNP_P1_75424_32497943	NC_021163.1	Ca_kabuli_chr04	32497943	CC	TT	1940303006
SNP_P1_75425_32498567	NC_021163.1	Ca_kabuli_chr04	32498567	AA	GG	1940303008
SNP_P1_75426_32498617	NC_021163.1	Ca_kabuli_chr04	32498617	AA	CC	1940303009
SNP_P1_75427_32498636	NC_021163.1	Ca_kabuli_chr04	32498636	CC	TT	1940303011
SNP_P1_75429_32499032	NC_021163.1	Ca_kabuli_chr04	32499032	GG	TT	1940303013
SNP_P1_75430_32499843	NC_021163.1	Ca_kabuli_chr04	32499843	TT	GG	1940303014
SNP_P1_75431_32500164	NC_021163.1	Ca_kabuli_chr04	32500164	AA	TT	1940303016
SNP_P1_75432_32500345	NC_021163.1	Ca_kabuli_chr04	32500345	TT	GG	1940303018
SNP_P1_75433_32500346	NC_021163.1	Ca_kabuli_chr04	32500346	TT	AA	1940303019
SNP_P1_75434_32501913	NC_021163.1	Ca_kabuli_chr04	32501913	GG	CC	1940303021
SNP_P1_75435_32501968	NC_021163.1	Ca_kabuli_chr04	32501968	TT	CC	1940303023
SNP_P1_75436_32502195	NC_021163.1	Ca_kabuli_chr04	32502195	AA	GG	1940303024
SNP_P1_75437_32506522	NC_021163.1	Ca_kabuli_chr04	32506522	AA	GG	1940303026
SNP_P1_75438_32508846	NC_021163.1	Ca_kabuli_chr04	32508846	GG	AA	1940303028
SNP_P1_75439_32509008	NC_021163.1	Ca_kabuli_chr04	32509008	GG	AA	1940303029
SNP_P1_75440_32509332	NC_021163.1	Ca_kabuli_chr04	32509332	GG	AA	1940303031
SNP_P1_75441_32509604	NC_021163.1	Ca_kabuli_chr04	32509604	TT	GG	1940303033
SNP_P1_75443_32509963	NC_021163.1	Ca_kabuli_chr04	32509963	TT	CC	1940303034
SNP_P1_75444_32510977	NC_021163.1	Ca_kabuli_chr04	32510977	TT	CC	1940303036
SNP_P1_75445_32511576	NC_021163.1	Ca_kabuli_chr04	32511576	CC	TT	1940303038
SNP_P1_75446_32511898	NC_021163.1	Ca_kabuli_chr04	32511898	CC	TT	1940303039
SNP_P1_75449_32512478	NC_021163.1	Ca_kabuli_chr04	32512478	TT	GG	1940303041
SNP_P1_75450_32512558	NC_021163.1	Ca_kabuli_chr04	32512558	AA	GG	1940303043
SNP_P1_75451_32512670	NC_021163.1	Ca_kabuli_chr04	32512670	GG	TT	1940303044
SNP_P1_75452_32512857	NC_021163.1	Ca_kabuli_chr04	32512857	TT	CC	1940303046
SNP_P1_75453_32513507	NC_021163.1	Ca_kabuli_chr04	32513507	TT	GG	1940303048
SNP_P1_75454_32514061	NC_021163.1	Ca_kabuli_chr04	32514061	TT	GG	1940303049
SNP_P1_75455_32514072	NC_021163.1	Ca_kabuli_chr04	32514072	TT	CC	1940303051
SNP_P1_75459_32519120	NC_021163.1	Ca_kabuli_chr04	32519120	TT	GG	1940303052
SNP_P1_75461_32522537	NC_021163.1	Ca_kabuli_chr04	32522537	TT	GG	1940303054
SNP_P1_75462_32522556	NC_021163.1	Ca_kabuli_chr04	32522556	CC	TT	1940303056
SNP_P1_75463_32522909	NC_021163.1	Ca_kabuli_chr04	32522909	GG	AA	1940303057
SNP_P1_75464_32522953	NC_021163.1	Ca_kabuli_chr04	32522953	GG	TT	1940303059
SNP_P1_75466_32523287	NC_021163.1	Ca_kabuli_chr04	32523287	AA	CC	1940303061
SNP_P1_75468_32523496	NC_021163.1	Ca_kabuli_chr04	32523496	GG	AA	1940303062
SNP_P1_75469_32523994	NC_021163.1	Ca_kabuli_chr04	32523994	AA	GG	1940303064
SNP_P1_75470_32524063	NC_021163.1	Ca_kabuli_chr04	32524063	TT	CC	1940303066
SNP_P1_75472_32524240	NC_021163.1	Ca_kabuli_chr04	32524240	CC	TT	1940303067
SNP_P1_75473_32524305	NC_021163.1	Ca_kabuli_chr04	32524305	GG	CC	1940303069

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75477_32524440	NC_021163.1	Ca_kabuli_chr04	32524440	GG	AA	1940303074
SNP_P1_75478_32524442	NC_021163.1	Ca_kabuli_chr04	32524442	TT	AA	1940303076
SNP_P1_75479_32524472	NC_021163.1	Ca_kabuli_chr04	32524472	AA	GG	1940303077
SNP_P1_75480_32524532	NC_021163.1	Ca_kabuli_chr04	32524532	AA	GG	1940303079
SNP_P1_75481_32524600	NC_021163.1	Ca_kabuli_chr04	32524600	AA	GG	1940303081
SNP_P1_75482_32524641	NC_021163.1	Ca_kabuli_chr04	32524641	CC	TT	1940303082
SNP_P1_75483_32524754	NC_021163.1	Ca_kabuli_chr04	32524754	CC	TT	1940303084
SNP_P1_75484_32524762	NC_021163.1	Ca_kabuli_chr04	32524762	TT	CC	1940303086
SNP_P1_75485_32524787	NC_021163.1	Ca_kabuli_chr04	32524787	TT	GG	1940303087
SNP_P1_75487_32525460	NC_021163.1	Ca_kabuli_chr04	32525460	TT	AA	1940303089
SNP_P1_75489_32525524	NC_021163.1	Ca_kabuli_chr04	32525524	GG	TT	1940303091
SNP_P1_75490_32525692	NC_021163.1	Ca_kabuli_chr04	32525692	AA	GG	1940303092
SNP_P1_75491_32525765	NC_021163.1	Ca_kabuli_chr04	32525765	TT	CC	1940303094
SNP_P1_75492_32525823	NC_021163.1	Ca_kabuli_chr04	32525823	AA	GG	1940303096
SNP_P1_75493_32526451	NC_021163.1	Ca_kabuli_chr04	32526451	GG	AA	1940303097
SNP_P1_75494_32526463	NC_021163.1	Ca_kabuli_chr04	32526463	CC	TT	1940303099
SNP_P1_75495_32526490	NC_021163.1	Ca_kabuli_chr04	32526490	AA	GG	1940303101
SNP_P1_75496_32526509	NC_021163.1	Ca_kabuli_chr04	32526509	GG	AA	1940303102
SNP_P1_75497_32526807	NC_021163.1	Ca_kabuli_chr04	32526807	TT	CC	1940303104
SNP_P1_75498_32526905	NC_021163.1	Ca_kabuli_chr04	32526905	CC	TT	1940303106
SNP_P1_75499_32526920	NC_021163.1	Ca_kabuli_chr04	32526920	GG	AA	1940303107
SNP_P1_75500_32527188	NC_021163.1	Ca_kabuli_chr04	32527188	AA	GG	1940303109
SNP_P1_75501_32527577	NC_021163.1	Ca_kabuli_chr04	32527577	TT	CC	1940303111
SNP_P1_75502_32527578	NC_021163.1	Ca_kabuli_chr04	32527578	CC	TT	1940303112
SNP_P1_75503_32527622	NC_021163.1	Ca_kabuli_chr04	32527622	CC	AA	1940303114
SNP_P1_75504_32527639	NC_021163.1	Ca_kabuli_chr04	32527639	CC	TT	1940303116
SNP_P1_75505_32527947	NC_021163.1	Ca_kabuli_chr04	32527947	CC	TT	1940303117
SNP_P1_75506_32527981	NC_021163.1	Ca_kabuli_chr04	32527981	TT	CC	1940303119
SNP_P1_75507_32528814	NC_021163.1	Ca_kabuli_chr04	32528814	CC	AA	1940303120
SNP_P1_75508_32528882	NC_021163.1	Ca_kabuli_chr04	32528882	CC	AA	1940303122
SNP_P1_75509_32529320	NC_021163.1	Ca_kabuli_chr04	32529320	GG	AA	1940303124
SNP_P1_75511_32529413	NC_021163.1	Ca_kabuli_chr04	32529413	TT	AA	1940303125
SNP_P1_75512_32529608	NC_021163.1	Ca_kabuli_chr04	32529608	TT	AA	1940303127
SNP_P1_75513_32529653	NC_021163.1	Ca_kabuli_chr04	32529653	CC	TT	1940303129
SNP_P1_75514_32530517	NC_021163.1	Ca_kabuli_chr04	32530517	GG	AA	1940303130
SNP_P1_75515_32530565	NC_021163.1	Ca_kabuli_chr04	32530565	CC	TT	1940303132
SNP_P1_75516_32530910	NC_021163.1	Ca_kabuli_chr04	32530910	GG	AA	1940303134
SNP_P1_75517_32531371	NC_021163.1	Ca_kabuli_chr04	32531371	CC	TT	1940303135
SNP_P1_75518_32531389	NC_021163.1	Ca_kabuli_chr04	32531389	GG	AA	1940303137
SNP_P1_75519_32531412	NC_021163.1	Ca_kabuli_chr04	32531412	TT	CC	1940303139

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75522_32531596	NC_021163.1	Ca_kabuli_chr04	32531596	GG	AA	1940303142
SNP_P1_75523_32531671	NC_021163.1	Ca_kabuli_chr04	32531671	TT	CC	1940303144
SNP_P1_75524_32531775	NC_021163.1	Ca_kabuli_chr04	32531775	AA	GG	1940303145
SNP_P1_75525_32532860	NC_021163.1	Ca_kabuli_chr04	32532860	CC	AA	1940303147
SNP_P1_75526_32533302	NC_021163.1	Ca_kabuli_chr04	32533302	TT	GG	1940303149
SNP_P1_75527_32534593	NC_021163.1	Ca_kabuli_chr04	32534593	GG	CC	1940303150
SNP_P1_75528_32535899	NC_021163.1	Ca_kabuli_chr04	32535899	CC	TT	1940303152
SNP_P1_75529_32535951	NC_021163.1	Ca_kabuli_chr04	32535951	CC	TT	1940303154
SNP_P1_75530_32535980	NC_021163.1	Ca_kabuli_chr04	32535980	GG	AA	1940303155
SNP_P1_75532_32536127	NC_021163.1	Ca_kabuli_chr04	32536127	TT	CC	1940303157
SNP_P1_75533_32536354	NC_021163.1	Ca_kabuli_chr04	32536354	AA	GG	1940303159
SNP_P1_75534_32536373	NC_021163.1	Ca_kabuli_chr04	32536373	CC	AA	1940303160
SNP_P1_75535_32537198	NC_021163.1	Ca_kabuli_chr04	32537198	GG	TT	1940303162
SNP_P1_75536_32537219	NC_021163.1	Ca_kabuli_chr04	32537219	TT	CC	1940303164
SNP_P1_75537_32537409	NC_021163.1	Ca_kabuli_chr04	32537409	CC	TT	1940303165
SNP_P1_75538_32537426	NC_021163.1	Ca_kabuli_chr04	32537426	CC	AA	1940303167
SNP_P1_75539_32537519	NC_021163.1	Ca_kabuli_chr04	32537519	AA	GG	1940303169
SNP_P1_75540_32537952	NC_021163.1	Ca_kabuli_chr04	32537952	CC	TT	1940303170
SNP_P1_75541_32538373	NC_021163.1	Ca_kabuli_chr04	32538373	TT	AA	1940303172
SNP_P1_75543_32540476	NC_021163.1	Ca_kabuli_chr04	32540476	GG	TT	1940303174
SNP_P1_75544_32540485	NC_021163.1	Ca_kabuli_chr04	32540485	CC	TT	1940303175
SNP_P1_75545_32540827	NC_021163.1	Ca_kabuli_chr04	32540827	CC	TT	1940303177
SNP_P1_75546_32544531	NC_021163.1	Ca_kabuli_chr04	32544531	AA	CC	1940303179
SNP_P1_75547_32545369	NC_021163.1	Ca_kabuli_chr04	32545369	CC	AA	1940303180
SNP_P1_75548_32545386	NC_021163.1	Ca_kabuli_chr04	32545386	TT	CC	1940303182
SNP_P1_75549_32545387	NC_021163.1	Ca_kabuli_chr04	32545387	CC	TT	1940303184
SNP_P1_75550_32545572	NC_021163.1	Ca_kabuli_chr04	32545572	CC	AA	1940303185
SNP_P1_75551_32545627	NC_021163.1	Ca_kabuli_chr04	32545627	AA	GG	1940303187
SNP_P1_75552_32545715	NC_021163.1	Ca_kabuli_chr04	32545715	CC	GG	1940303189
SNP_P1_75553_32546022	NC_021163.1	Ca_kabuli_chr04	32546022	GG	AA	1940303190
SNP_P1_75554_32546027	NC_021163.1	Ca_kabuli_chr04	32546027	TT	CC	1940303192
SNP_P1_75555_32547200	NC_021163.1	Ca_kabuli_chr04	32547200	AA	GG	1940303194
SNP_P1_75556_32548886	NC_021163.1	Ca_kabuli_chr04	32548886	CC	TT	1940303195
SNP_P1_75558_32549121	NC_021163.1	Ca_kabuli_chr04	32549121	TT	CC	1940303197
SNP_P1_75559_32549221	NC_021163.1	Ca_kabuli_chr04	32549221	AA	GG	1940303199
SNP_P1_75560_32549314	NC_021163.1	Ca_kabuli_chr04	32549314	AA	TT	1940303200
SNP_P1_75562_32550258	NC_021163.1	Ca_kabuli_chr04	32550258	TT	CC	1940303202
SNP_P1_75563_32550264	NC_021163.1	Ca_kabuli_chr04	32550264	TT	CC	1940303204
SNP_P1_75564_32550321	NC_021163.1	Ca_kabuli_chr04	32550321	CC	TT	1940303205
SNP_P1_75565_32550342	NC_021163.1	Ca_kabuli_chr04	32550342	AA	GG	1940303207
SNP_P1_75567_32550405	NC_021163.1	Ca_kabuli_chr04	32550405	TT	CC	1940303208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75569_32550486	NC_021163.1	Ca_kabuli_chr04	32550486	AA	GG	1940303212
SNP_P1_75570_32550488	NC_021163.1	Ca_kabuli_chr04	32550488	AA	GG	1940303213
SNP_P1_75571_32550517	NC_021163.1	Ca_kabuli_chr04	32550517	AA	GG	1940303215
SNP_P1_75572_32550554	NC_021163.1	Ca_kabuli_chr04	32550554	TT	CC	1940303217
SNP_P1_75573_32550630	NC_021163.1	Ca_kabuli_chr04	32550630	TT	CC	1940303218
SNP_P1_75574_32550631	NC_021163.1	Ca_kabuli_chr04	32550631	TT	GG	1940303220
SNP_P1_75575_32550635	NC_021163.1	Ca_kabuli_chr04	32550635	GG	AA	1940303222
SNP_P1_75576_32550642	NC_021163.1	Ca_kabuli_chr04	32550642	GG	AA	1940303223
SNP_P1_75577_32551343	NC_021163.1	Ca_kabuli_chr04	32551343	GG	AA	1940303225
SNP_P1_75578_32551390	NC_021163.1	Ca_kabuli_chr04	32551390	AA	GG	1940303227
SNP_P1_75579_32551649	NC_021163.1	Ca_kabuli_chr04	32551649	AA	GG	1940303228
SNP_P1_75580_32551697	NC_021163.1	Ca_kabuli_chr04	32551697	CC	AA	1940303230
SNP_P1_75581_32551899	NC_021163.1	Ca_kabuli_chr04	32551899	AA	GG	1940303232
SNP_P1_75583_32552067	NC_021163.1	Ca_kabuli_chr04	32552067	AA	GG	1940303233
SNP_P1_75584_32552292	NC_021163.1	Ca_kabuli_chr04	32552292	GG	TT	1940303235
SNP_P1_75585_32552331	NC_021163.1	Ca_kabuli_chr04	32552331	AA	GG	1940303237
SNP_P1_75586_32552781	NC_021163.1	Ca_kabuli_chr04	32552781	GG	TT	1940303238
SNP_P1_75587_32552782	NC_021163.1	Ca_kabuli_chr04	32552782	AA	GG	1940303240
SNP_P1_75588_32552818	NC_021163.1	Ca_kabuli_chr04	32552818	TT	AA	1940303242
SNP_P1_75589_32553086	NC_021163.1	Ca_kabuli_chr04	32553086	CC	TT	1940303243
SNP_P1_75590_32553118	NC_021163.1	Ca_kabuli_chr04	32553118	CC	AA	1940303245
SNP_P1_75591_32554164	NC_021163.1	Ca_kabuli_chr04	32554164	CC	TT	1940303247
SNP_P1_75594_32556756	NC_021163.1	Ca_kabuli_chr04	32556756	TT	GG	1940303248
SNP_P1_75595_32556775	NC_021163.1	Ca_kabuli_chr04	32556775	AA	GG	1940303250
SNP_P1_75597_32558071	NC_021163.1	Ca_kabuli_chr04	32558071	AA	GG	1940303252
SNP_P1_75598_32558086	NC_021163.1	Ca_kabuli_chr04	32558086	AA	GG	1940303253
SNP_P1_75599_32559005	NC_021163.1	Ca_kabuli_chr04	32559005	GG	AA	1940303255
SNP_P1_75600_32559032	NC_021163.1	Ca_kabuli_chr04	32559032	GG	AA	1940303257
SNP_P1_75601_32559101	NC_021163.1	Ca_kabuli_chr04	32559101	CC	TT	1940303258
SNP_P1_75605_32561953	NC_021163.1	Ca_kabuli_chr04	32561953	TT	CC	1940303260
SNP_P1_75606_32562148	NC_021163.1	Ca_kabuli_chr04	32562148	GG	AA	1940303262
SNP_P1_75608_32562716	NC_021163.1	Ca_kabuli_chr04	32562716	AA	GG	1940303264
SNP_P1_75609_32568171	NC_021163.1	Ca_kabuli_chr04	32568171	GG	TT	1940303266
SNP_P1_75610_32568221	NC_021163.1	Ca_kabuli_chr04	32568221	CC	TT	1940303267
SNP_P1_75611_32568235	NC_021163.1	Ca_kabuli_chr04	32568235	CC	TT	1940303269
SNP_P1_75612_32568265	NC_021163.1	Ca_kabuli_chr04	32568265	CC	TT	1940303271
SNP_P1_75613_32569008	NC_021163.1	Ca_kabuli_chr04	32569008	CC	GG	1940303272
SNP_P1_75614_32569383	NC_021163.1	Ca_kabuli_chr04	32569383	CC	TT	1940303274
SNP_P1_75615_32570115	NC_021163.1	Ca_kabuli_chr04	32570115	TT	AA	1940303276
SNP_P1_75616_32570501	NC_021163.1	Ca_kabuli_chr04	32570501	GG	AA	1940303277
SNP_P1_75617_32573081	NC_021163.1	Ca_kabuli_chr04	32573081	CC	AA	1940303279

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75620_32573152	NC_021163.1	Ca_kabuli_chr04	32573152	AA	GG	1940303284
SNP_P1_75621_32573195	NC_021163.1	Ca_kabuli_chr04	32573195	AA	GG	1940303286
SNP_P1_75622_32573819	NC_021163.1	Ca_kabuli_chr04	32573819	TT	CC	1940303287
SNP_P1_75623_32576268	NC_021163.1	Ca_kabuli_chr04	32576268	CC	AA	1940303289
SNP_P1_75624_32576520	NC_021163.1	Ca_kabuli_chr04	32576520	GG	TT	1940303291
SNP_P1_75625_32576546	NC_021163.1	Ca_kabuli_chr04	32576546	AA	GG	1940303292
SNP_P1_75626_32576558	NC_021163.1	Ca_kabuli_chr04	32576558	AA	CC	1940303294
SNP_P1_75627_32576581	NC_021163.1	Ca_kabuli_chr04	32576581	TT	CC	1940303296
SNP_P1_75628_32576622	NC_021163.1	Ca_kabuli_chr04	32576622	TT	AA	1940303297
SNP_P1_75629_32576638	NC_021163.1	Ca_kabuli_chr04	32576638	AA	GG	1940303299
SNP_P1_75630_32576674	NC_021163.1	Ca_kabuli_chr04	32576674	TT	CC	1940303301
SNP_P1_75631_32576878	NC_021163.1	Ca_kabuli_chr04	32576878	GG	CC	1940303302
SNP_P1_75632_32576957	NC_021163.1	Ca_kabuli_chr04	32576957	GG	TT	1940303304
SNP_P1_75634_32578950	NC_021163.1	Ca_kabuli_chr04	32578950	GG	TT	1940303306
SNP_P1_75635_32579127	NC_021163.1	Ca_kabuli_chr04	32579127	CC	TT	1940303307
SNP_P1_75636_32579130	NC_021163.1	Ca_kabuli_chr04	32579130	TT	GG	1940303309
SNP_P1_75637_32579244	NC_021163.1	Ca_kabuli_chr04	32579244	TT	CC	1940303311
SNP_P1_75638_32579253	NC_021163.1	Ca_kabuli_chr04	32579253	TT	CC	1940303312
SNP_P1_75639_32581279	NC_021163.1	Ca_kabuli_chr04	32581279	GG	AA	1940303314
SNP_P1_75640_32581366	NC_021163.1	Ca_kabuli_chr04	32581366	TT	GG	1940303316
SNP_P1_75641_32581371	NC_021163.1	Ca_kabuli_chr04	32581371	TT	CC	1940303317
SNP_P1_75642_32581392	NC_021163.1	Ca_kabuli_chr04	32581392	CC	TT	1940303319
SNP_P1_75643_32581393	NC_021163.1	Ca_kabuli_chr04	32581393	AA	GG	1940303321
SNP_P1_75644_32581441	NC_021163.1	Ca_kabuli_chr04	32581441	GG	TT	1940303322
SNP_P1_75645_32581442	NC_021163.1	Ca_kabuli_chr04	32581442	AA	GG	1940303324
SNP_P1_75646_32581460	NC_021163.1	Ca_kabuli_chr04	32581460	CC	AA	1940303325
SNP_P1_75647_32581513	NC_021163.1	Ca_kabuli_chr04	32581513	AA	GG	1940303327
SNP_P1_75648_32581531	NC_021163.1	Ca_kabuli_chr04	32581531	GG	TT	1940303328
SNP_P1_75649_32581734	NC_021163.1	Ca_kabuli_chr04	32581734	GG	AA	1940303330
SNP_P1_75650_32581878	NC_021163.1	Ca_kabuli_chr04	32581878	GG	AA	1940303332
SNP_P1_75651_32581891	NC_021163.1	Ca_kabuli_chr04	32581891	TT	CC	1940303333
SNP_P1_75652_32582865	NC_021163.1	Ca_kabuli_chr04	32582865	AA	GG	1940303335
SNP_P1_75653_32584056	NC_021163.1	Ca_kabuli_chr04	32584056	CC	TT	1940303337
SNP_P1_75654_32584139	NC_021163.1	Ca_kabuli_chr04	32584139	CC	TT	1940303338
SNP_P1_75657_32585382	NC_021163.1	Ca_kabuli_chr04	32585382	AA	TT	1940303340
SNP_P1_75658_32585384	NC_021163.1	Ca_kabuli_chr04	32585384	TT	CC	1940303342
SNP_P1_75659_32586682	NC_021163.1	Ca_kabuli_chr04	32586682	AA	GG	1940303343
SNP_P1_75662_32587117	NC_021163.1	Ca_kabuli_chr04	32587117	GG	AA	1940303345
SNP_P1_75664_32589359	NC_021163.1	Ca_kabuli_chr04	32589359	TT	CC	1940303347
SNP_P1_75665_32589633	NC_021163.1	Ca_kabuli_chr04	32589633	TT	CC	1940303348

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75667_32590130	NC_021163.1	Ca_kabuli_chr04	32590130	GG	TT	1940303352
SNP_P1_75668_32590507	NC_021163.1	Ca_kabuli_chr04	32590507	TT	AA	1940303353
SNP_P1_75670_32590591	NC_021163.1	Ca_kabuli_chr04	32590591	TT	CC	1940303355
SNP_P1_75671_32590667	NC_021163.1	Ca_kabuli_chr04	32590667	GG	TT	1940303357
SNP_P1_75672_32592183	NC_021163.1	Ca_kabuli_chr04	32592183	CC	GG	1940303358
SNP_P1_75674_32592557	NC_021163.1	Ca_kabuli_chr04	32592557	TT	CC	1940303360
SNP_P1_75675_32592616	NC_021163.1	Ca_kabuli_chr04	32592616	TT	CC	1940303362
SNP_P1_75676_32593611	NC_021163.1	Ca_kabuli_chr04	32593611	AA	GG	1940303363
SNP_P1_75677_32593692	NC_021163.1	Ca_kabuli_chr04	32593692	AA	GG	1940303365
SNP_P1_75678_32594077	NC_021163.1	Ca_kabuli_chr04	32594077	CC	AA	1940303367
SNP_P1_75679_32594161	NC_021163.1	Ca_kabuli_chr04	32594161	GG	CC	1940303368
SNP_P1_75680_32594619	NC_021163.1	Ca_kabuli_chr04	32594619	TT	CC	1940303370
SNP_P1_75681_32594923	NC_021163.1	Ca_kabuli_chr04	32594923	TT	CC	1940303372
SNP_P1_75682_32595230	NC_021163.1	Ca_kabuli_chr04	32595230	TT	CC	1940303373
SNP_P1_75684_32596208	NC_021163.1	Ca_kabuli_chr04	32596208	GG	AA	1940303375
SNP_P1_75685_32596529	NC_021163.1	Ca_kabuli_chr04	32596529	AA	GG	1940303377
SNP_P1_75686_32596547	NC_021163.1	Ca_kabuli_chr04	32596547	GG	AA	1940303378
SNP_P1_75687_32596706	NC_021163.1	Ca_kabuli_chr04	32596706	AA	GG	1940303380
SNP_P1_75688_32596902	NC_021163.1	Ca_kabuli_chr04	32596902	TT	GG	1940303382
SNP_P1_75689_32596911	NC_021163.1	Ca_kabuli_chr04	32596911	TT	AA	1940303383
SNP_P1_75690_32598458	NC_021163.1	Ca_kabuli_chr04	32598458	GG	AA	1940303385
SNP_P1_75691_32600006	NC_021163.1	Ca_kabuli_chr04	32600006	CC	TT	1940303387
SNP_P1_75692_32600629	NC_021163.1	Ca_kabuli_chr04	32600629	AA	CC	1940303388
SNP_P1_75693_32601398	NC_021163.1	Ca_kabuli_chr04	32601398	GG	CC	1940303390
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SNP_P1_75697_32602202	NC_021163.1	Ca_kabuli_chr04	32602202	GG	CC	1940303395
SNP_P1_75698_32602275	NC_021163.1	Ca_kabuli_chr04	32602275	CC	GG	1940303397
SNP_P1_75699_32602382	NC_021163.1	Ca_kabuli_chr04	32602382	AA	TT	1940303398
SNP_P1_75700_32602432	NC_021163.1	Ca_kabuli_chr04	32602432	TT	CC	1940303400
SNP_P1_75701_32602586	NC_021163.1	Ca_kabuli_chr04	32602586	CC	TT	1940303401
SNP_P1_75702_32603062	NC_021163.1	Ca_kabuli_chr04	32603062	GG	TT	1940303403
SNP_P1_75703_32605286	NC_021163.1	Ca_kabuli_chr04	32605286	GG	CC	1940303405
SNP_P1_75704_32605848	NC_021163.1	Ca_kabuli_chr04	32605848	AA	TT	1940303406
SNP_P1_75705_32608502	NC_021163.1	Ca_kabuli_chr04	32608502	TT	CC	1940303408
SNP_P1_75706_32608511	NC_021163.1	Ca_kabuli_chr04	32608511	GG	AA	1940303410
SNP_P1_75707_32608905	NC_021163.1	Ca_kabuli_chr04	32608905	GG	AA	1940303411
SNP_P1_75708_32608908	NC_021163.1	Ca_kabuli_chr04	32608908	GG	AA	1940303413
SNP_P1_75709_32610108	NC_021163.1	Ca_kabuli_chr04	32610108	TT	GG	1940303415
SNP_P1_75710_32610160	NC_021163.1	Ca_kabuli_chr04	32610160	AA	GG	1940303416
SNP_P1_75711_32610502	NC_021163.1	Ca_kabuli_chr04	32610502	CC	TT	1940303418

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75713_32615115	NC_021163.1	Ca_kabuli_chr04	32615115	AA	CC	1940303421
SNP_P1_75714_32615440	NC_021163.1	Ca_kabuli_chr04	32615440	CC	AA	1940303423
SNP_P1_75715_32617703	NC_021163.1	Ca_kabuli_chr04	32617703	GG	AA	1940303425
SNP_P1_75716_32617968	NC_021163.1	Ca_kabuli_chr04	32617968	AA	GG	1940303426
SNP_P1_75717_32618167	NC_021163.1	Ca_kabuli_chr04	32618167	TT	AA	1940303428
SNP_P1_75718_32618992	NC_021163.1	Ca_kabuli_chr04	32618992	TT	CC	1940303430
SNP_P1_75719_32619153	NC_021163.1	Ca_kabuli_chr04	32619153	AA	GG	1940303431
SNP_P1_75720_32619419	NC_021163.1	Ca_kabuli_chr04	32619419	GG	AA	1940303433
SNP_P1_75721_32620324	NC_021163.1	Ca_kabuli_chr04	32620324	TT	CC	1940303435
SNP_P1_75722_32620611	NC_021163.1	Ca_kabuli_chr04	32620611	GG	AA	1940303436
SNP_P1_75723_32620667	NC_021163.1	Ca_kabuli_chr04	32620667	CC	TT	1940303438
SNP_P1_75724_32620920	NC_021163.1	Ca_kabuli_chr04	32620920	TT	GG	1940303440
SNP_P1_75725_32621011	NC_021163.1	Ca_kabuli_chr04	32621011	TT	CC	1940303441
SNP_P1_75726_32621087	NC_021163.1	Ca_kabuli_chr04	32621087	CC	TT	1940303443
SNP_P1_75729_32622517	NC_021163.1	Ca_kabuli_chr04	32622517	TT	AA	1940303445
SNP_P1_75732_32623274	NC_021163.1	Ca_kabuli_chr04	32623274	GG	CC	1940303446
SNP_P1_75735_32626017	NC_021163.1	Ca_kabuli_chr04	32626017	GG	AA	1940303448
SNP_P1_75736_32626047	NC_021163.1	Ca_kabuli_chr04	32626047	TT	AA	1940303449
SNP_P1_75737_32629573	NC_021163.1	Ca_kabuli_chr04	32629573	TT	AA	1940303451
SNP_P1_75738_32630427	NC_021163.1	Ca_kabuli_chr04	32630427	CC	AA	1940303453
SNP_P1_75739_32630990	NC_021163.1	Ca_kabuli_chr04	32630990	TT	CC	1940303454
SNP_P1_75740_32634279	NC_021163.1	Ca_kabuli_chr04	32634279	AA	GG	1940303456
SNP_P1_75741_32634299	NC_021163.1	Ca_kabuli_chr04	32634299	TT	GG	1940303458
SNP_P1_75743_32634866	NC_021163.1	Ca_kabuli_chr04	32634866	AA	GG	1940303460
SNP_P1_75745_32635128	NC_021163.1	Ca_kabuli_chr04	32635128	AA	CC	1940303461
SNP_P1_75746_32635135	NC_021163.1	Ca_kabuli_chr04	32635135	GG	TT	1940303463
SNP_P1_75747_32635162	NC_021163.1	Ca_kabuli_chr04	32635162	AA	TT	1940303465
SNP_P1_75748_32636315	NC_021163.1	Ca_kabuli_chr04	32636315	CC	TT	1940303466
SNP_P1_75749_32637842	NC_021163.1	Ca_kabuli_chr04	32637842	AA	TT	1940303468
SNP_P1_75751_32638022	NC_021163.1	Ca_kabuli_chr04	32638022	GG	TT	1940303469
SNP_P1_75752_32639654	NC_021163.1	Ca_kabuli_chr04	32639654	CC	TT	1940303471
SNP_P1_75753_32640058	NC_021163.1	Ca_kabuli_chr04	32640058	CC	TT	1940303473
SNP_P1_75754_32640373	NC_021163.1	Ca_kabuli_chr04	32640373	AA	GG	1940303474
SNP_P1_75755_32641121	NC_021163.1	Ca_kabuli_chr04	32641121	AA	TT	1940303476
SNP_P1_75757_32641643	NC_021163.1	Ca_kabuli_chr04	32641643	TT	CC	1940303478
SNP_P1_75758_32641648	NC_021163.1	Ca_kabuli_chr04	32641648	AA	GG	1940303479
SNP_P1_75759_32644084	NC_021163.1	Ca_kabuli_chr04	32644084	AA	CC	1940303481
SNP_P1_75760_32644122	NC_021163.1	Ca_kabuli_chr04	32644122	CC	TT	1940303483
SNP_P1_75761_32644135	NC_021163.1	Ca_kabuli_chr04	32644135	TT	CC	1940303484
SNP_P1_75762_32644369	NC_021163.1	Ca_kabuli_chr04	32644369	AA	TT	1940303486
SNP_P1_75763_32644416	NC_021163.1	Ca_kabuli_chr04	32644416	AA	CC	1940303487

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75765_32644832	NC_021163.1	Ca_kabuli_chr04	32644832	GG	CC	1940303491
SNP_P1_75766_32644834	NC_021163.1	Ca_kabuli_chr04	32644834	TT	CC	1940303493
SNP_P1_75767_32645201	NC_021163.1	Ca_kabuli_chr04	32645201	CC	TT	1940303494
SNP_P1_75768_32645305	NC_021163.1	Ca_kabuli_chr04	32645305	AA	GG	1940303496
SNP_P1_75769_32645918	NC_021163.1	Ca_kabuli_chr04	32645918	AA	GG	1940303498
SNP_P1_75770_32645974	NC_021163.1	Ca_kabuli_chr04	32645974	CC	TT	1940303499
SNP_P1_75771_32646104	NC_021163.1	Ca_kabuli_chr04	32646104	AA	GG	1940303501
SNP_P1_75772_32646105	NC_021163.1	Ca_kabuli_chr04	32646105	AA	GG	1940303502
SNP_P1_75773_32646129	NC_021163.1	Ca_kabuli_chr04	32646129	CC	TT	1940303504
SNP_P1_75774_32646217	NC_021163.1	Ca_kabuli_chr04	32646217	TT	CC	1940303506
SNP_P1_75775_32646547	NC_021163.1	Ca_kabuli_chr04	32646547	CC	AA	1940303507
SNP_P1_75776_32646593	NC_021163.1	Ca_kabuli_chr04	32646593	CC	AA	1940303509
SNP_P1_75777_32646882	NC_021163.1	Ca_kabuli_chr04	32646882	TT	CC	1940303511
SNP_P1_75779_32648855	NC_021163.1	Ca_kabuli_chr04	32648855	AA	GG	1940303512
SNP_P1_75782_32654541	NC_021163.1	Ca_kabuli_chr04	32654541	TT	AA	1940303514
SNP_P1_75783_32661129	NC_021163.1	Ca_kabuli_chr04	32661129	CC	TT	1940303516
SNP_P1_75785_32662817	NC_021163.1	Ca_kabuli_chr04	32662817	TT	CC	1940303517
SNP_P1_75786_32664304	NC_021163.1	Ca_kabuli_chr04	32664304	TT	CC	1940303519
SNP_P1_75787_32665248	NC_021163.1	Ca_kabuli_chr04	32665248	TT	CC	1940303521
SNP_P1_75789_32666585	NC_021163.1	Ca_kabuli_chr04	32666585	CC	TT	1940303522
SNP_P1_75790_32666589	NC_021163.1	Ca_kabuli_chr04	32666589	TT	CC	1940303524
SNP_P1_75791_32667452	NC_021163.1	Ca_kabuli_chr04	32667452	AA	CC	1940303526
SNP_P1_75792_32673191	NC_021163.1	Ca_kabuli_chr04	32673191	AA	GG	1940303527
SNP_P1_75793_32673237	NC_021163.1	Ca_kabuli_chr04	32673237	AA	GG	1940303529
SNP_P1_75794_32673708	NC_021163.1	Ca_kabuli_chr04	32673708	TT	GG	1940303531
SNP_P1_75795_32682148	NC_021163.1	Ca_kabuli_chr04	32682148	CC	TT	1940303532
SNP_P1_75796_32682883	NC_021163.1	Ca_kabuli_chr04	32682883	GG	AA	1940303534
SNP_P1_75797_32684969	NC_021163.1	Ca_kabuli_chr04	32684969	AA	GG	1940303536
SNP_P1_75798_32685850	NC_021163.1	Ca_kabuli_chr04	32685850	CC	TT	1940303537
SNP_P1_75800_32695809	NC_021163.1	Ca_kabuli_chr04	32695809	GG	AA	1940303539
SNP_P1_75801_32699538	NC_021163.1	Ca_kabuli_chr04	32699538	AA	CC	1940303541
SNP_P1_75802_32699892	NC_021163.1	Ca_kabuli_chr04	32699892	GG	AA	1940303542
SNP_P1_75804_32700170	NC_021163.1	Ca_kabuli_chr04	32700170	CC	TT	1940303544
SNP_P1_75805_32700171	NC_021163.1	Ca_kabuli_chr04	32700171	AA	GG	1940303546
SNP_P1_75807_32717726	NC_021163.1	Ca_kabuli_chr04	32717726	TT	GG	1940303547
SNP_P1_75808_32739909	NC_021163.1	Ca_kabuli_chr04	32739909	GG	AA	1940303549
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SNP_P1_75810_32739993	NC_021163.1	Ca_kabuli_chr04	32739993	GG	TT	1940303552
SNP_P1_75811_32740006	NC_021163.1	Ca_kabuli_chr04	32740006	CC	TT	1940303554
SNP_P1_75812_32740034	NC_021163.1	Ca_kabuli_chr04	32740034	GG	AA	1940303555
SNP_P1_75813_32749076	NC_021163.1	Ca_kabuli_chr04	32749076	AA	CC	1940303557

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75816_32763381	NC_021163.1	Ca_kabuli_chr04	32763381	AA	TT	1940303562
SNP_P1_75817_32763391	NC_021163.1	Ca_kabuli_chr04	32763391	TT	GG	1940303564
SNP_P1_75818_32765112	NC_021163.1	Ca_kabuli_chr04	32765112	TT	CC	1940303565
SNP_P1_75819_32765146	NC_021163.1	Ca_kabuli_chr04	32765146	GG	AA	1940303567
SNP_P1_75820_32766058	NC_021163.1	Ca_kabuli_chr04	32766058	TT	CC	1940303569
SNP_P1_75821_32766152	NC_021163.1	Ca_kabuli_chr04	32766152	CC	TT	1940303570
SNP_P1_75822_32767267	NC_021163.1	Ca_kabuli_chr04	32767267	AA	GG	1940303572
SNP_P1_75823_32767270	NC_021163.1	Ca_kabuli_chr04	32767270	TT	AA	1940303574
SNP_P1_75824_32767272	NC_021163.1	Ca_kabuli_chr04	32767272	CC	TT	1940303575
SNP_P1_75825_32767287	NC_021163.1	Ca_kabuli_chr04	32767287	CC	TT	1940303577
SNP_P1_75826_32767306	NC_021163.1	Ca_kabuli_chr04	32767306	TT	CC	1940303579
SNP_P1_75827_32767318	NC_021163.1	Ca_kabuli_chr04	32767318	AA	CC	1940303580
SNP_P1_75828_32770378	NC_021163.1	Ca_kabuli_chr04	32770378	AA	GG	1940303582
SNP_P1_75829_32791080	NC_021163.1	Ca_kabuli_chr04	32791080	GG	AA	1940303584
SNP_P1_75830_32792107	NC_021163.1	Ca_kabuli_chr04	32792107	TT	AA	1940303585
SNP_P1_75831_32793483	NC_021163.1	Ca_kabuli_chr04	32793483	AA	GG	1940303587
SNP_P1_75832_32793967	NC_021163.1	Ca_kabuli_chr04	32793967	AA	GG	1940303589
SNP_P1_75833_32795325	NC_021163.1	Ca_kabuli_chr04	32795325	AA	GG	1940303590
SNP_P1_75834_32795328	NC_021163.1	Ca_kabuli_chr04	32795328	GG	TT	1940303592
SNP_P1_75835_32810902	NC_021163.1	Ca_kabuli_chr04	32810902	GG	CC	1940303594
SNP_P1_75836_32830178	NC_021163.1	Ca_kabuli_chr04	32830178	TT	CC	1940303595
SNP_P1_75837_32834822	NC_021163.1	Ca_kabuli_chr04	32834822	TT	CC	1940303597
SNP_P1_75840_32861899	NC_021163.1	Ca_kabuli_chr04	32861899	AA	GG	1940303599
SNP_P1_75841_32861926	NC_021163.1	Ca_kabuli_chr04	32861926	GG	AA	1940303600
SNP_P1_75842_32861935	NC_021163.1	Ca_kabuli_chr04	32861935	TT	CC	1940303602
SNP_P1_75843_32873074	NC_021163.1	Ca_kabuli_chr04	32873074	TT	AA	1940303604
SNP_P1_75845_32873093	NC_021163.1	Ca_kabuli_chr04	32873093	TT	AA	1940303605
SNP_P1_75847_32884368	NC_021163.1	Ca_kabuli_chr04	32884368	AA	GG	1940303607
SNP_P1_75848_32884713	NC_021163.1	Ca_kabuli_chr04	32884713	GG	AA	1940303609
SNP_P1_75849_32884737	NC_021163.1	Ca_kabuli_chr04	32884737	TT	AA	1940303610
SNP_P1_75850_32884740	NC_021163.1	Ca_kabuli_chr04	32884740	AA	GG	1940303612
SNP_P1_75851_32885342	NC_021163.1	Ca_kabuli_chr04	32885342	AA	GG	1940303614
SNP_P1_75852_32885346	NC_021163.1	Ca_kabuli_chr04	32885346	CC	TT	1940303615
SNP_P1_75853_32885360	NC_021163.1	Ca_kabuli_chr04	32885360	AA	GG	1940303617
SNP_P1_75854_32885364	NC_021163.1	Ca_kabuli_chr04	32885364	CC	TT	1940303618
SNP_P1_75855_32885377	NC_021163.1	Ca_kabuli_chr04	32885377	AA	GG	1940303620
SNP_P1_75856_32885397	NC_021163.1	Ca_kabuli_chr04	32885397	CC	AA	1940303622
SNP_P1_75857_32885425	NC_021163.1	Ca_kabuli_chr04	32885425	CC	TT	1940303623
SNP_P1_75858_32885485	NC_021163.1	Ca_kabuli_chr04	32885485	GG	AA	1940303625
SNP_P1_75860_32885500	NC_021163.1	Ca_kabuli_chr04	32885500	GG	AA	1940303627

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_75861_32885560	NC_021163.1	Ca_kabuli_chr04	32885560	GG	AA	1940303628
SNP_P1_75862_32885592	NC_021163.1	Ca_kabuli_chr04	32885592	CC	GG	1940303630
SNP_P1_75863_32885614	NC_021163.1	Ca_kabuli_chr04	32885614	AA	GG	1940303632
SNP_P1_75864_32885640	NC_021163.1	Ca_kabuli_chr04	32885640	TT	CC	1940303633
SNP_P1_75865_32885657	NC_021163.1	Ca_kabuli_chr04	32885657	CC	TT	1940303635
SNP_P1_75866_32885673	NC_021163.1	Ca_kabuli_chr04	32885673	CC	TT	1940303637
SNP_P1_75867_32885687	NC_021163.1	Ca_kabuli_chr04	32885687	TT	CC	1940303638
SNP_P1_75868_32885694	NC_021163.1	Ca_kabuli_chr04	32885694	AA	CC	1940303640
SNP_P1_75869_32885734	NC_021163.1	Ca_kabuli_chr04	32885734	TT	CC	1940303642
SNP_P1_75870_32885912	NC_021163.1	Ca_kabuli_chr04	32885912	GG	AA	1940303643
SNP_P1_75871_32885943	NC_021163.1	Ca_kabuli_chr04	32885943	GG	AA	1940303645
SNP_P1_75872_32885951	NC_021163.1	Ca_kabuli_chr04	32885951	TT	CC	1940303647
SNP_P1_75873_32885987	NC_021163.1	Ca_kabuli_chr04	32885987	AA	CC	1940303648
SNP_P1_75874_32886004	NC_021163.1	Ca_kabuli_chr04	32886004	GG	AA	1940303650
SNP_P1_75875_32886023	NC_021163.1	Ca_kabuli_chr04	32886023	CC	TT	1940303652
SNP_P1_75876_32886065	NC_021163.1	Ca_kabuli_chr04	32886065	GG	AA	1940303653
SNP_P1_75877_32886108	NC_021163.1	Ca_kabuli_chr04	32886108	TT	CC	1940303655
SNP_P1_75878_32886149	NC_021163.1	Ca_kabuli_chr04	32886149	AA	CC	1940303657
SNP_P1_75879_32886157	NC_021163.1	Ca_kabuli_chr04	32886157	TT	GG	1940303658
SNP_P1_75880_32886200	NC_021163.1	Ca_kabuli_chr04	32886200	AA	TT	1940303660
SNP_P1_75881_32886217	NC_021163.1	Ca_kabuli_chr04	32886217	CC	TT	1940303662
SNP_P1_75882_32886233	NC_021163.1	Ca_kabuli_chr04	32886233	GG	AA	1940303663
SNP_P1_75883_32886312	NC_021163.1	Ca_kabuli_chr04	32886312	GG	TT	1940303665
SNP_P1_75884_32886314	NC_021163.1	Ca_kabuli_chr04	32886314	AA	GG	1940303667
SNP_P1_75885_32886372	NC_021163.1	Ca_kabuli_chr04	32886372	AA	GG	1940303668
SNP_P1_75886_32886385	NC_021163.1	Ca_kabuli_chr04	32886385	AA	GG	1940303670
SNP_P1_75888_32886408	NC_021163.1	Ca_kabuli_chr04	32886408	TT	CC	1940303672
SNP_P1_75889_32886442	NC_021163.1	Ca_kabuli_chr04	32886442	TT	CC	1940303673
SNP_P1_75890_32886446	NC_021163.1	Ca_kabuli_chr04	32886446	CC	TT	1940303675
SNP_P1_75892_32886496	NC_021163.1	Ca_kabuli_chr04	32886496	TT	CC	1940303677
SNP_P1_75893_32886676	NC_021163.1	Ca_kabuli_chr04	32886676	AA	GG	1940303678
SNP_P1_75894_32886720	NC_021163.1	Ca_kabuli_chr04	32886720	GG	AA	1940303680
SNP_P1_75895_32886801	NC_021163.1	Ca_kabuli_chr04	32886801	TT	CC	1940303682
SNP_P1_75896_32888760	NC_021163.1	Ca_kabuli_chr04	32888760	AA	CC	1940303683
SNP_P1_75897_32888845	NC_021163.1	Ca_kabuli_chr04	32888845	TT	CC	1940303685
SNP_P1_75898_32888869	NC_021163.1	Ca_kabuli_chr04	32888869	AA	GG	1940303687
SNP_P1_75899_32890271	NC_021163.1	Ca_kabuli_chr04	32890271	TT	GG	1940303688
SNP_P1_75900_32902298	NC_021163.1	Ca_kabuli_chr04	32902298	AA	GG	1940303690
SNP_P1_75901_32902358	NC_021163.1	Ca_kabuli_chr04	32902358	CC	TT	1940303691
SNP_P1_75902_32902475	NC_021163.1	Ca_kabuli_chr04	32902475	CC	AA	1940303693
SNP_P1_75903_32902670	NC_021163.1	Ca_kabuli_chr04	32902670	CC	GG	1940303695
SNP_P1_75904_32902690	NC_021163.1	Ca_kabuli_chr04	32902690	AA	GG	1940303696

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_75906_32902717	NC_021163.1	Ca_kabuli_chr04	32902717	GG	AA	1940303700
SNP_P1_75907_32902771	NC_021163.1	Ca_kabuli_chr04	32902771	CC	TT	1940303701
SNP_P1_75908_32902786	NC_021163.1	Ca_kabuli_chr04	32902786	TT	CC	1940303703
SNP_P1_75909_32902869	NC_021163.1	Ca_kabuli_chr04	32902869	CC	TT	1940303705
SNP_P1_75910_32902993	NC_021163.1	Ca_kabuli_chr04	32902993	TT	CC	1940303706
SNP_P1_75911_32911748	NC_021163.1	Ca_kabuli_chr04	32911748	CC	TT	1940303708
SNP_P1_75913_32913494	NC_021163.1	Ca_kabuli_chr04	32913494	AA	CC	1940303710
SNP_P1_75914_32913496	NC_021163.1	Ca_kabuli_chr04	32913496	TT	AA	1940303711
SNP_P1_75915_32917124	NC_021163.1	Ca_kabuli_chr04	32917124	CC	TT	1940303713
SNP_P1_75916_32961797	NC_021163.1	Ca_kabuli_chr04	32961797	TT	AA	1940303715
SNP_P1_75917_32967324	NC_021163.1	Ca_kabuli_chr04	32967324	GG	TT	1940303716
SNP_P1_75918_32967406	NC_021163.1	Ca_kabuli_chr04	32967406	CC	TT	1940303718
SNP_P1_75919_32967410	NC_021163.1	Ca_kabuli_chr04	32967410	CC	GG	1940303720
SNP_P1_75920_32968008	NC_021163.1	Ca_kabuli_chr04	32968008	CC	TT	1940303721
SNP_P1_75921_32985858	NC_021163.1	Ca_kabuli_chr04	32985858	GG	AA	1940303723
SNP_P1_75922_32994889	NC_021163.1	Ca_kabuli_chr04	32994889	CC	TT	1940303725
SNP_P1_75923_33004222	NC_021163.1	Ca_kabuli_chr04	33004222	AA	GG	1940303726
SNP_P1_75924_33035819	NC_021163.1	Ca_kabuli_chr04	33035819	TT	AA	1940303728
SNP_P1_75925_33036918	NC_021163.1	Ca_kabuli_chr04	33036918	GG	TT	1940303730
SNP_P1_75926_33037850	NC_021163.1	Ca_kabuli_chr04	33037850	AA	TT	1940303731
SNP_P1_75927_33038247	NC_021163.1	Ca_kabuli_chr04	33038247	CC	TT	1940303733
SNP_P1_75928_33038249	NC_021163.1	Ca_kabuli_chr04	33038249	TT	GG	1940303735
SNP_P1_75929_33048894	NC_021163.1	Ca_kabuli_chr04	33048894	TT	CC	1940303736
SNP_P1_75930_33049859	NC_021163.1	Ca_kabuli_chr04	33049859	AA	TT	1940303738
SNP_P1_75931_33050006	NC_021163.1	Ca_kabuli_chr04	33050006	GG	AA	1940303740
SNP_P1_75932_33050359	NC_021163.1	Ca_kabuli_chr04	33050359	CC	TT	1940303741
SNP_P1_75934_33050470	NC_021163.1	Ca_kabuli_chr04	33050470	TT	CC	1940303743
SNP_P1_75935_33050523	NC_021163.1	Ca_kabuli_chr04	33050523	AA	GG	1940303745
SNP_P1_75938_33054083	NC_021163.1	Ca_kabuli_chr04	33054083	TT	CC	1940303746
SNP_P1_75940_33058834	NC_021163.1	Ca_kabuli_chr04	33058834	CC	TT	1940303748
SNP_P1_75941_33059835	NC_021163.1	Ca_kabuli_chr04	33059835	CC	TT	1940303750
SNP_P1_75943_33060815	NC_021163.1	Ca_kabuli_chr04	33060815	GG	TT	1940303751
SNP_P1_75944_33062796	NC_021163.1	Ca_kabuli_chr04	33062796	AA	GG	1940303753
SNP_P1_75946_33065222	NC_021163.1	Ca_kabuli_chr04	33065222	GG	AA	1940303755
SNP_P1_75947_33066027	NC_021163.1	Ca_kabuli_chr04	33066027	GG	AA	1940303756
SNP_P1_75949_33067342	NC_021163.1	Ca_kabuli_chr04	33067342	TT	CC	1940303758
SNP_P1_75950_33067863	NC_021163.1	Ca_kabuli_chr04	33067863	CC	TT	1940303760
SNP_P1_75951_33068382	NC_021163.1	Ca_kabuli_chr04	33068382	TT	AA	1940303761
SNP_P1_75952_33076776	NC_021163.1	Ca_kabuli_chr04	33076776	AA	GG	1940303763
SNP_P1_75953_33076781	NC_021163.1	Ca_kabuli_chr04	33076781	GG	AA	1940303765
SNP_P1_75954_33076852	NC_021163.1	Ca_kabuli_chr04	33076852	TT	CC	1940303766

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_75955_33076886	NC_021163.1	Ca_kabuli_chr04	33076886	CC	TT	1940303768
SNP_P1_75956_33080677	NC_021163.1	Ca_kabuli_chr04	33080677	TT	AA	1940303769
SNP_P1_75957_33087045	NC_021163.1	Ca_kabuli_chr04	33087045	CC	TT	1940303771
SNP_P1_75958_33088221	NC_021163.1	Ca_kabuli_chr04	33088221	GG	AA	1940303773
SNP_P1_75959_33088223	NC_021163.1	Ca_kabuli_chr04	33088223	TT	GG	1940303774
SNP_P1_75960_33089948	NC_021163.1	Ca_kabuli_chr04	33089948	GG	CC	1940303776
SNP_P1_75961_33089950	NC_021163.1	Ca_kabuli_chr04	33089950	TT	CC	1940303778
SNP_P1_75962_33090339	NC_021163.1	Ca_kabuli_chr04	33090339	AA	TT	1940303779
SNP_P1_75963_33091277	NC_021163.1	Ca_kabuli_chr04	33091277	TT	CC	1940303781
SNP_P1_75964_33091730	NC_021163.1	Ca_kabuli_chr04	33091730	AA	TT	1940303783
SNP_P1_75966_33094046	NC_021163.1	Ca_kabuli_chr04	33094046	GG	CC	1940303784
SNP_P1_75967_33094369	NC_021163.1	Ca_kabuli_chr04	33094369	TT	CC	1940303786
SNP_P1_75968_33094393	NC_021163.1	Ca_kabuli_chr04	33094393	CC	AA	1940303788
SNP_P1_75969_33094874	NC_021163.1	Ca_kabuli_chr04	33094874	CC	TT	1940303789
SNP_P1_75972_33101216	NC_021163.1	Ca_kabuli_chr04	33101216	AA	GG	1940303791
SNP_P1_75973_33101544	NC_021163.1	Ca_kabuli_chr04	33101544	TT	CC	1940303793
SNP_P1_75974_33102256	NC_021163.1	Ca_kabuli_chr04	33102256	TT	CC	1940303794
SNP_P1_75976_33102636	NC_021163.1	Ca_kabuli_chr04	33102636	CC	GG	1940303796
SNP_P1_75977_33103398	NC_021163.1	Ca_kabuli_chr04	33103398	CC	GG	1940303798
SNP_P1_75978_33106469	NC_021163.1	Ca_kabuli_chr04	33106469	TT	CC	1940303799
SNP_P1_75979_33106882	NC_021163.1	Ca_kabuli_chr04	33106882	AA	GG	1940303801
SNP_P1_75980_33107865	NC_021163.1	Ca_kabuli_chr04	33107865	AA	GG	1940303803
SNP_P1_75981_33107916	NC_021163.1	Ca_kabuli_chr04	33107916	AA	GG	1940303804
SNP_P1_75982_33109031	NC_021163.1	Ca_kabuli_chr04	33109031	AA	TT	1940303806
SNP_P1_75983_33111315	NC_021163.1	Ca_kabuli_chr04	33111315	CC	AA	1940303808
SNP_P1_75986_33113961	NC_021163.1	Ca_kabuli_chr04	33113961	AA	GG	1940303809
SNP_P1_75987_33115145	NC_021163.1	Ca_kabuli_chr04	33115145	CC	TT	1940303811
SNP_P1_75988_33119213	NC_021163.1	Ca_kabuli_chr04	33119213	CC	GG	1940303813
SNP_P1_75989_33121083	NC_021163.1	Ca_kabuli_chr04	33121083	CC	TT	1940303814
SNP_P1_75990_33121893	NC_021163.1	Ca_kabuli_chr04	33121893	GG	AA	1940303816
SNP_P1_75991_33129817	NC_021163.1	Ca_kabuli_chr04	33129817	TT	CC	1940303818
SNP_P1_75992_33130017	NC_021163.1	Ca_kabuli_chr04	33130017	GG	TT	1940303819
SNP_P1_75993_33131472	NC_021163.1	Ca_kabuli_chr04	33131472	TT	CC	1940303821
SNP_P1_75994_33131481	NC_021163.1	Ca_kabuli_chr04	33131481	TT	CC	1940303823
SNP_P1_75995_33131902	NC_021163.1	Ca_kabuli_chr04	33131902	CC	TT	1940303824
SNP_P1_75996_33133917	NC_021163.1	Ca_kabuli_chr04	33133917	TT	AA	1940303826
SNP_P1_75997_33134154	NC_021163.1	Ca_kabuli_chr04	33134154	AA	GG	1940303828
SNP_P1_75998_33134170	NC_021163.1	Ca_kabuli_chr04	33134170	CC	AA	1940303829
SNP_P1_75999_33134448	NC_021163.1	Ca_kabuli_chr04	33134448	TT	GG	1940303831
SNP_P1_76000_33134449	NC_021163.1	Ca_kabuli_chr04	33134449	GG	TT	1940303833
SNP_P1_76001_33134777	NC_021163.1	Ca_kabuli_chr04	33134777	GG	AA	1940303834
SNP_P1_76002_33135278	NC_021163.1	Ca_kabuli_chr04	33135278	CC	TT	1940303836

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76004_33136950	NC_021163.1	Ca_kabuli_chr04	33136950	GG	AA	1940303839
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SNP_P1_76008_33140913	NC_021163.1	Ca_kabuli_chr04	33140913	TT	AA	1940303843
SNP_P1_76011_33148943	NC_021163.1	Ca_kabuli_chr04	33148943	GG	AA	1940303844
SNP_P1_76012_33150934	NC_021163.1	Ca_kabuli_chr04	33150934	CC	AA	1940303846
SNP_P1_76013_33152502	NC_021163.1	Ca_kabuli_chr04	33152502	CC	TT	1940303848
SNP_P1_76014_33152846	NC_021163.1	Ca_kabuli_chr04	33152846	CC	TT	1940303849
SNP_P1_76015_33154336	NC_021163.1	Ca_kabuli_chr04	33154336	AA	CC	1940303851
SNP_P1_76016_33154484	NC_021163.1	Ca_kabuli_chr04	33154484	AA	GG	1940303852
SNP_P1_76017_33155932	NC_021163.1	Ca_kabuli_chr04	33155932	AA	CC	1940303854
SNP_P1_76018_33163562	NC_021163.1	Ca_kabuli_chr04	33163562	TT	AA	1940303856
SNP_P1_76019_33166087	NC_021163.1	Ca_kabuli_chr04	33166087	TT	CC	1940303857
SNP_P1_76020_33166812	NC_021163.1	Ca_kabuli_chr04	33166812	CC	TT	1940303859
SNP_P1_76021_33167701	NC_021163.1	Ca_kabuli_chr04	33167701	TT	CC	1940303861
SNP_P1_76022_33167812	NC_021163.1	Ca_kabuli_chr04	33167812	AA	GG	1940303862
SNP_P1_76023_33167945	NC_021163.1	Ca_kabuli_chr04	33167945	CC	GG	1940303864
SNP_P1_76024_33167951	NC_021163.1	Ca_kabuli_chr04	33167951	AA	CC	1940303866
SNP_P1_76025_33168012	NC_021163.1	Ca_kabuli_chr04	33168012	CC	TT	1940303867
SNP_P1_76026_33170489	NC_021163.1	Ca_kabuli_chr04	33170489	GG	AA	1940303869
SNP_P1_76028_33173580	NC_021163.1	Ca_kabuli_chr04	33173580	TT	GG	1940303871
SNP_P1_76030_33176685	NC_021163.1	Ca_kabuli_chr04	33176685	AA	GG	1940303872
SNP_P1_76031_33177235	NC_021163.1	Ca_kabuli_chr04	33177235	TT	CC	1940303874
SNP_P1_76032_33179286	NC_021163.1	Ca_kabuli_chr04	33179286	AA	GG	1940303876
SNP_P1_76033_33179298	NC_021163.1	Ca_kabuli_chr04	33179298	AA	GG	1940303877
SNP_P1_76034_33179805	NC_021163.1	Ca_kabuli_chr04	33179805	AA	TT	1940303879
SNP_P1_76035_33179813	NC_021163.1	Ca_kabuli_chr04	33179813	TT	GG	1940303881
SNP_P1_76037_33185340	NC_021163.1	Ca_kabuli_chr04	33185340	CC	AA	1940303882
SNP_P1_76038_33185947	NC_021163.1	Ca_kabuli_chr04	33185947	CC	TT	1940303884
SNP_P1_76040_33186138	NC_021163.1	Ca_kabuli_chr04	33186138	CC	TT	1940303886
SNP_P1_76041_33189487	NC_021163.1	Ca_kabuli_chr04	33189487	TT	GG	1940303887
SNP_P1_76042_33189518	NC_021163.1	Ca_kabuli_chr04	33189518	AA	TT	1940303889
SNP_P1_76043_33189730	NC_021163.1	Ca_kabuli_chr04	33189730	CC	AA	1940303891
SNP_P1_76044_33189733	NC_021163.1	Ca_kabuli_chr04	33189733	TT	AA	1940303892
SNP_P1_76045_33190174	NC_021163.1	Ca_kabuli_chr04	33190174	GG	CC	1940303894
SNP_P1_76046_33194723	NC_021163.1	Ca_kabuli_chr04	33194723	AA	GG	1940303896
SNP_P1_76048_33195088	NC_021163.1	Ca_kabuli_chr04	33195088	TT	CC	1940303897
SNP_P1_76049_33195226	NC_021163.1	Ca_kabuli_chr04	33195226	GG	AA	1940303899
SNP_P1_76050_33195284	NC_021163.1	Ca_kabuli_chr04	33195284	GG	AA	1940303901
SNP_P1_76051_33195296	NC_021163.1	Ca_kabuli_chr04	33195296	AA	CC	1940303902
SNP_P1_76052_33195464	NC_021163.1	Ca_kabuli_chr04	33195464	CC	TT	1940303904
SNP_P1_76053_33195601	NC_021163.1	Ca_kabuli_chr04	33195601	GG	AA	1940303906

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76055_33195629	NC_021163.1	Ca_kabuli_chr04	33195629	AA	CC	1940303909
SNP_P1_76056_33198779	NC_021163.1	Ca_kabuli_chr04	33198779	TT	GG	1940303911
SNP_P1_76057_33200124	NC_021163.1	Ca_kabuli_chr04	33200124	TT	GG	1940303912
SNP_P1_76058_33200704	NC_021163.1	Ca_kabuli_chr04	33200704	AA	GG	1940303914
SNP_P1_76059_33208327	NC_021163.1	Ca_kabuli_chr04	33208327	CC	AA	1940303916
SNP_P1_76060_33210504	NC_021163.1	Ca_kabuli_chr04	33210504	GG	TT	1940303917
SNP_P1_76062_33214505	NC_021163.1	Ca_kabuli_chr04	33214505	AA	TT	1940303919
SNP_P1_76063_33215269	NC_021163.1	Ca_kabuli_chr04	33215269	TT	CC	1940303921
SNP_P1_76064_33223101	NC_021163.1	Ca_kabuli_chr04	33223101	TT	CC	1940303922
SNP_P1_76065_33223186	NC_021163.1	Ca_kabuli_chr04	33223186	GG	TT	1940303924
SNP_P1_76066_33225443	NC_021163.1	Ca_kabuli_chr04	33225443	TT	AA	1940303926
SNP_P1_76067_33237626	NC_021163.1	Ca_kabuli_chr04	33237626	GG	AA	1940303927
SNP_P1_76068_33238252	NC_021163.1	Ca_kabuli_chr04	33238252	TT	CC	1940303929
SNP_P1_76069_33238457	NC_021163.1	Ca_kabuli_chr04	33238457	AA	GG	1940303930
SNP_P1_76070_33239832	NC_021163.1	Ca_kabuli_chr04	33239832	CC	GG	1940303932
SNP_P1_76071_33240264	NC_021163.1	Ca_kabuli_chr04	33240264	CC	AA	1940303934
SNP_P1_76072_33242258	NC_021163.1	Ca_kabuli_chr04	33242258	TT	AA	1940303935
SNP_P1_76073_33242663	NC_021163.1	Ca_kabuli_chr04	33242663	GG	AA	1940303937
SNP_P1_76074_33243173	NC_021163.1	Ca_kabuli_chr04	33243173	TT	CC	1940303939
SNP_P1_76075_33243916	NC_021163.1	Ca_kabuli_chr04	33243916	AA	GG	1940303940
SNP_P1_76076_33251921	NC_021163.1	Ca_kabuli_chr04	33251921	CC	TT	1940303942
SNP_P1_76077_33255537	NC_021163.1	Ca_kabuli_chr04	33255537	GG	TT	1940303944
SNP_P1_76078_33255566	NC_021163.1	Ca_kabuli_chr04	33255566	AA	GG	1940303945
SNP_P1_76079_33255589	NC_021163.1	Ca_kabuli_chr04	33255589	GG	AA	1940303947
SNP_P1_76080_33255613	NC_021163.1	Ca_kabuli_chr04	33255613	CC	TT	1940303949
SNP_P1_76081_33255725	NC_021163.1	Ca_kabuli_chr04	33255725	AA	GG	1940303950
SNP_P1_76083_33256388	NC_021163.1	Ca_kabuli_chr04	33256388	TT	AA	1940303952
SNP_P1_76084_33258912	NC_021163.1	Ca_kabuli_chr04	33258912	AA	GG	1940303954
SNP_P1_76085_33259039	NC_021163.1	Ca_kabuli_chr04	33259039	AA	CC	1940303955
SNP_P1_76086_33259323	NC_021163.1	Ca_kabuli_chr04	33259323	AA	GG	1940303957
SNP_P1_76087_33259380	NC_021163.1	Ca_kabuli_chr04	33259380	GG	AA	1940303959
SNP_P1_76088_33259646	NC_021163.1	Ca_kabuli_chr04	33259646	TT	GG	1940303960
SNP_P1_76089_33259647	NC_021163.1	Ca_kabuli_chr04	33259647	CC	AA	1940303962
SNP_P1_76090_33259661	NC_021163.1	Ca_kabuli_chr04	33259661	AA	GG	1940303964
SNP_P1_76091_33260415	NC_021163.1	Ca_kabuli_chr04	33260415	AA	GG	1940303965
SNP_P1_76092_33262293	NC_021163.1	Ca_kabuli_chr04	33262293	GG	CC	1940303967
SNP_P1_76093_33263441	NC_021163.1	Ca_kabuli_chr04	33263441	GG	CC	1940303968
SNP_P1_76094_33268561	NC_021163.1	Ca_kabuli_chr04	33268561	AA	CC	1940303970
SNP_P1_76095_33269906	NC_021163.1	Ca_kabuli_chr04	33269906	CC	TT	1940303972
SNP_P1_76096_33269958	NC_021163.1	Ca_kabuli_chr04	33269958	AA	GG	1940303973
SNP_P1_76097_33272234	NC_021163.1	Ca_kabuli_chr04	33272234	GG	AA	1940303975

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76099_33285204	NC_021163.1	Ca_kabuli_chr04	33285204	AA	TT	1940303978
SNP_P1_76100_33286871	NC_021163.1	Ca_kabuli_chr04	33286871	AA	GG	1940303980
SNP_P1_76102_33292393	NC_021163.1	Ca_kabuli_chr04	33292393	CC	TT	1940303982
SNP_P1_76103_33294569	NC_021163.1	Ca_kabuli_chr04	33294569	GG	AA	1940303983
SNP_P1_76105_33296855	NC_021163.1	Ca_kabuli_chr04	33296855	AA	TT	1940303985
SNP_P1_76106_33300429	NC_021163.1	Ca_kabuli_chr04	33300429	CC	GG	1940303987
SNP_P1_76107_33302067	NC_021163.1	Ca_kabuli_chr04	33302067	GG	AA	1940303988
SNP_P1_76108_33302295	NC_021163.1	Ca_kabuli_chr04	33302295	GG	TT	1940303990
SNP_P1_76109_33306195	NC_021163.1	Ca_kabuli_chr04	33306195	TT	CC	1940303992
SNP_P1_76110_33307224	NC_021163.1	Ca_kabuli_chr04	33307224	GG	AA	1940303993
SNP_P1_76112_33309002	NC_021163.1	Ca_kabuli_chr04	33309002	TT	CC	1940303995
SNP_P1_76113_33309412	NC_021163.1	Ca_kabuli_chr04	33309412	AA	GG	1940303997
SNP_P1_76114_33310211	NC_021163.1	Ca_kabuli_chr04	33310211	AA	TT	1940303998
SNP_P1_76116_33311148	NC_021163.1	Ca_kabuli_chr04	33311148	CC	AA	1940304000
SNP_P1_76117_33311152	NC_021163.1	Ca_kabuli_chr04	33311152	AA	TT	1940304002
SNP_P1_76118_33312157	NC_021163.1	Ca_kabuli_chr04	33312157	CC	AA	1940304003
SNP_P1_76119_33312791	NC_021163.1	Ca_kabuli_chr04	33312791	CC	TT	1940304005
SNP_P1_76120_33312902	NC_021163.1	Ca_kabuli_chr04	33312902	AA	GG	1940304007
SNP_P1_76121_33314589	NC_021163.1	Ca_kabuli_chr04	33314589	TT	CC	1940304008
SNP_P1_76122_33314592	NC_021163.1	Ca_kabuli_chr04	33314592	GG	TT	1940304010
SNP_P1_76124_33314669	NC_021163.1	Ca_kabuli_chr04	33314669	AA	GG	1940304012
SNP_P1_76125_33314763	NC_021163.1	Ca_kabuli_chr04	33314763	AA	CC	1940304013
SNP_P1_76126_33315689	NC_021163.1	Ca_kabuli_chr04	33315689	CC	TT	1940304015
SNP_P1_76127_33315735	NC_021163.1	Ca_kabuli_chr04	33315735	GG	TT	1940304017
SNP_P1_76129_33316097	NC_021163.1	Ca_kabuli_chr04	33316097	GG	AA	1940304018
SNP_P1_76130_33316848	NC_021163.1	Ca_kabuli_chr04	33316848	CC	AA	1940304020
SNP_P1_76131_33317464	NC_021163.1	Ca_kabuli_chr04	33317464	GG	TT	1940304021
SNP_P1_76134_33327067	NC_021163.1	Ca_kabuli_chr04	33327067	TT	AA	1940304023
SNP_P1_76135_33327080	NC_021163.1	Ca_kabuli_chr04	33327080	TT	GG	1940304025
SNP_P1_76138_33327434	NC_021163.1	Ca_kabuli_chr04	33327434	TT	CC	1940304026
SNP_P1_76139_33327497	NC_021163.1	Ca_kabuli_chr04	33327497	TT	CC	1940304028
SNP_P1_76140_33327522	NC_021163.1	Ca_kabuli_chr04	33327522	CC	GG	1940304030
SNP_P1_76141_33327626	NC_021163.1	Ca_kabuli_chr04	33327626	CC	AA	1940304031
SNP_P1_76142_33327657	NC_021163.1	Ca_kabuli_chr04	33327657	AA	CC	1940304033
SNP_P1_76143_33327661	NC_021163.1	Ca_kabuli_chr04	33327661	GG	TT	1940304034
SNP_P1_76146_33328016	NC_021163.1	Ca_kabuli_chr04	33328016	CC	TT	1940304036
SNP_P1_76148_33329320	NC_021163.1	Ca_kabuli_chr04	33329320	GG	AA	1940304038
SNP_P1_76149_33329327	NC_021163.1	Ca_kabuli_chr04	33329327	GG	AA	1940304039
SNP_P1_76150_33329329	NC_021163.1	Ca_kabuli_chr04	33329329	CC	AA	1940304041
SNP_P1_76151_33329337	NC_021163.1	Ca_kabuli_chr04	33329337	GG	CC	1940304042
SNP_P1_76152_33329389	NC_021163.1	Ca_kabuli_chr04	33329389	GG	TT	1940304044

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76155_33329447	NC_021163.1	Ca_kabuli_chr04	33329447	AA	GG	1940304047
SNP_P1_76156_33329448	NC_021163.1	Ca_kabuli_chr04	33329448	GG	AA	1940304049
SNP_P1_76157_33329745	NC_021163.1	Ca_kabuli_chr04	33329745	CC	TT	1940304051
SNP_P1_76158_33330400	NC_021163.1	Ca_kabuli_chr04	33330400	AA	CC	1940304052
SNP_P1_76159_33330731	NC_021163.1	Ca_kabuli_chr04	33330731	CC	GG	1940304054
SNP_P1_76160_33330743	NC_021163.1	Ca_kabuli_chr04	33330743	AA	GG	1940304056
SNP_P1_76161_33331916	NC_021163.1	Ca_kabuli_chr04	33331916	CC	TT	1940304057
SNP_P1_76162_33332160	NC_021163.1	Ca_kabuli_chr04	33332160	AA	CC	1940304059
SNP_P1_76163_33335129	NC_021163.1	Ca_kabuli_chr04	33335129	CC	TT	1940304061
SNP_P1_76164_33336332	NC_021163.1	Ca_kabuli_chr04	33336332	TT	CC	1940304062
SNP_P1_76165_33336644	NC_021163.1	Ca_kabuli_chr04	33336644	TT	CC	1940304064
SNP_P1_76167_33337353	NC_021163.1	Ca_kabuli_chr04	33337353	GG	CC	1940304066
SNP_P1_76168_33337364	NC_021163.1	Ca_kabuli_chr04	33337364	GG	AA	1940304067
SNP_P1_76169_33337562	NC_021163.1	Ca_kabuli_chr04	33337562	AA	GG	1940304069
SNP_P1_76170_33337573	NC_021163.1	Ca_kabuli_chr04	33337573	CC	TT	1940304071
SNP_P1_76171_33339017	NC_021163.1	Ca_kabuli_chr04	33339017	TT	CC	1940304072
SNP_P1_76172_33339414	NC_021163.1	Ca_kabuli_chr04	33339414	TT	CC	1940304074
SNP_P1_76173_33339795	NC_021163.1	Ca_kabuli_chr04	33339795	GG	TT	1940304076
SNP_P1_76175_33340151	NC_021163.1	Ca_kabuli_chr04	33340151	AA	GG	1940304077
SNP_P1_76176_33340309	NC_021163.1	Ca_kabuli_chr04	33340309	TT	CC	1940304079
SNP_P1_76177_33340662	NC_021163.1	Ca_kabuli_chr04	33340662	AA	GG	1940304081
SNP_P1_76178_33340669	NC_021163.1	Ca_kabuli_chr04	33340669	GG	AA	1940304082
SNP_P1_76179_33340818	NC_021163.1	Ca_kabuli_chr04	33340818	AA	GG	1940304084
SNP_P1_76180_33341045	NC_021163.1	Ca_kabuli_chr04	33341045	CC	AA	1940304086
SNP_P1_76181_33341161	NC_021163.1	Ca_kabuli_chr04	33341161	TT	GG	1940304087
SNP_P1_76182_33341180	NC_021163.1	Ca_kabuli_chr04	33341180	GG	AA	1940304089
SNP_P1_76183_33341450	NC_021163.1	Ca_kabuli_chr04	33341450	AA	TT	1940304091
SNP_P1_76184_33341451	NC_021163.1	Ca_kabuli_chr04	33341451	CC	TT	1940304092
SNP_P1_76185_33341791	NC_021163.1	Ca_kabuli_chr04	33341791	TT	CC	1940304094
SNP_P1_76186_33341794	NC_021163.1	Ca_kabuli_chr04	33341794	TT	CC	1940304096
SNP_P1_76187_33341810	NC_021163.1	Ca_kabuli_chr04	33341810	GG	AA	1940304097
SNP_P1_76188_33343032	NC_021163.1	Ca_kabuli_chr04	33343032	GG	AA	1940304099
SNP_P1_76189_33343160	NC_021163.1	Ca_kabuli_chr04	33343160	AA	GG	1940304101
SNP_P1_76190_33343375	NC_021163.1	Ca_kabuli_chr04	33343375	TT	CC	1940304102
SNP_P1_76191_33344653	NC_021163.1	Ca_kabuli_chr04	33344653	CC	TT	1940304104
SNP_P1_76192_33344912	NC_021163.1	Ca_kabuli_chr04	33344912	CC	GG	1940304106
SNP_P1_76193_33344976	NC_021163.1	Ca_kabuli_chr04	33344976	TT	CC	1940304107
SNP_P1_76194_33345005	NC_021163.1	Ca_kabuli_chr04	33345005	TT	CC	1940304109
SNP_P1_76195_33345023	NC_021163.1	Ca_kabuli_chr04	33345023	CC	TT	1940304111
SNP_P1_76196_33345048	NC_021163.1	Ca_kabuli_chr04	33345048	TT	GG	1940304112
SNP_P1_76197_33346340	NC_021163.1	Ca_kabuli_chr04	33346340	TT	GG	1940304114

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76199_33346358	NC_021163.1	Ca_kabuli_chr04	33346358	AA	TT	1940304117
SNP_P1_76200_33346395	NC_021163.1	Ca_kabuli_chr04	33346395	AA	CC	1940304119
SNP_P1_76201_33346565	NC_021163.1	Ca_kabuli_chr04	33346565	TT	AA	1940304120
SNP_P1_76202_33346573	NC_021163.1	Ca_kabuli_chr04	33346573	TT	CC	1940304122
SNP_P1_76203_33346582	NC_021163.1	Ca_kabuli_chr04	33346582	GG	TT	1940304124
SNP_P1_76204_33346586	NC_021163.1	Ca_kabuli_chr04	33346586	AA	TT	1940304125
SNP_P1_76205_33346604	NC_021163.1	Ca_kabuli_chr04	33346604	GG	AA	1940304127
SNP_P1_76206_33346741	NC_021163.1	Ca_kabuli_chr04	33346741	AA	GG	1940304129
SNP_P1_76207_33346804	NC_021163.1	Ca_kabuli_chr04	33346804	GG	TT	1940304130
SNP_P1_76208_33346832	NC_021163.1	Ca_kabuli_chr04	33346832	TT	GG	1940304132
SNP_P1_76210_33347072	NC_021163.1	Ca_kabuli_chr04	33347072	CC	TT	1940304134
SNP_P1_76211_33347134	NC_021163.1	Ca_kabuli_chr04	33347134	AA	TT	1940304135
SNP_P1_76212_33347258	NC_021163.1	Ca_kabuli_chr04	33347258	AA	CC	1940304137
SNP_P1_76213_33347299	NC_021163.1	Ca_kabuli_chr04	33347299	TT	CC	1940304139
SNP_P1_76214_33347416	NC_021163.1	Ca_kabuli_chr04	33347416	GG	TT	1940304140
SNP_P1_76215_33347451	NC_021163.1	Ca_kabuli_chr04	33347451	TT	AA	1940304142
SNP_P1_76216_33347508	NC_021163.1	Ca_kabuli_chr04	33347508	TT	GG	1940304144
SNP_P1_76217_33347516	NC_021163.1	Ca_kabuli_chr04	33347516	TT	CC	1940304145
SNP_P1_76218_33347529	NC_021163.1	Ca_kabuli_chr04	33347529	CC	TT	1940304147
SNP_P1_76219_33347559	NC_021163.1	Ca_kabuli_chr04	33347559	GG	AA	1940304149
SNP_P1_76220_33347589	NC_021163.1	Ca_kabuli_chr04	33347589	AA	CC	1940304150
SNP_P1_76221_33347651	NC_021163.1	Ca_kabuli_chr04	33347651	TT	CC	1940304152
SNP_P1_76222_33347670	NC_021163.1	Ca_kabuli_chr04	33347670	AA	CC	1940304154
SNP_P1_76223_33347692	NC_021163.1	Ca_kabuli_chr04	33347692	TT	CC	1940304155
SNP_P1_76224_33347726	NC_021163.1	Ca_kabuli_chr04	33347726	CC	TT	1940304157
SNP_P1_76225_33347732	NC_021163.1	Ca_kabuli_chr04	33347732	GG	AA	1940304159
SNP_P1_76226_33347736	NC_021163.1	Ca_kabuli_chr04	33347736	TT	CC	1940304160
SNP_P1_76227_33347746	NC_021163.1	Ca_kabuli_chr04	33347746	AA	GG	1940304162
SNP_P1_76228_33347829	NC_021163.1	Ca_kabuli_chr04	33347829	AA	TT	1940304164
SNP_P1_76229_33347837	NC_021163.1	Ca_kabuli_chr04	33347837	CC	TT	1940304165
SNP_P1_76230_33347870	NC_021163.1	Ca_kabuli_chr04	33347870	AA	GG	1940304167
SNP_P1_76231_33347913	NC_021163.1	Ca_kabuli_chr04	33347913	CC	TT	1940304168
SNP_P1_76232_33347924	NC_021163.1	Ca_kabuli_chr04	33347924	AA	TT	1940304170
SNP_P1_76233_33347991	NC_021163.1	Ca_kabuli_chr04	33347991	AA	GG	1940304172
SNP_P1_76234_33348054	NC_021163.1	Ca_kabuli_chr04	33348054	CC	TT	1940304173
SNP_P1_76235_33348163	NC_021163.1	Ca_kabuli_chr04	33348163	AA	GG	1940304175
SNP_P1_76237_33348285	NC_021163.1	Ca_kabuli_chr04	33348285	GG	TT	1940304177
SNP_P1_76238_33348530	NC_021163.1	Ca_kabuli_chr04	33348530	GG	TT	1940304178
SNP_P1_76239_33348677	NC_021163.1	Ca_kabuli_chr04	33348677	GG	TT	1940304180
SNP_P1_76240_33349889	NC_021163.1	Ca_kabuli_chr04	33349889	AA	TT	1940304182
SNP_P1_76243_33353075	NC_021163.1	Ca_kabuli_chr04	33353075	AA	GG	1940304183

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76245_33356064	NC_021163.1	Ca_kabuli_chr04	33356064	TT	AA	1940304187
SNP_P1_76246_33356302	NC_021163.1	Ca_kabuli_chr04	33356302	CC	TT	1940304188
SNP_P1_76247_33356687	NC_021163.1	Ca_kabuli_chr04	33356687	CC	AA	1940304190
SNP_P1_76248_33356759	NC_021163.1	Ca_kabuli_chr04	33356759	TT	CC	1940304192
SNP_P1_76249_33356819	NC_021163.1	Ca_kabuli_chr04	33356819	GG	AA	1940304193
SNP_P1_76250_33356972	NC_021163.1	Ca_kabuli_chr04	33356972	CC	TT	1940304195
SNP_P1_76251_33357117	NC_021163.1	Ca_kabuli_chr04	33357117	TT	CC	1940304197
SNP_P1_76252_33357125	NC_021163.1	Ca_kabuli_chr04	33357125	TT	AA	1940304198
SNP_P1_76253_33357147	NC_021163.1	Ca_kabuli_chr04	33357147	GG	AA	1940304200
SNP_P1_76255_33357771	NC_021163.1	Ca_kabuli_chr04	33357771	TT	GG	1940304202
SNP_P1_76256_33358869	NC_021163.1	Ca_kabuli_chr04	33358869	GG	AA	1940304203
SNP_P1_76257_33359621	NC_021163.1	Ca_kabuli_chr04	33359621	CC	TT	1940304205
SNP_P1_76258_33359657	NC_021163.1	Ca_kabuli_chr04	33359657	CC	TT	1940304207
SNP_P1_76259_33359687	NC_021163.1	Ca_kabuli_chr04	33359687	TT	GG	1940304208
SNP_P1_76260_33359709	NC_021163.1	Ca_kabuli_chr04	33359709	CC	AA	1940304210
SNP_P1_76261_33360020	NC_021163.1	Ca_kabuli_chr04	33360020	TT	CC	1940304212
SNP_P1_76262_33362248	NC_021163.1	Ca_kabuli_chr04	33362248	TT	CC	1940304213
SNP_P1_76263_33363214	NC_021163.1	Ca_kabuli_chr04	33363214	GG	AA	1940304215
SNP_P1_76264_33363721	NC_021163.1	Ca_kabuli_chr04	33363721	TT	CC	1940304217
SNP_P1_76265_33368226	NC_021163.1	Ca_kabuli_chr04	33368226	TT	CC	1940304218
SNP_P1_76266_33373780	NC_021163.1	Ca_kabuli_chr04	33373780	CC	TT	1940304220
SNP_P1_76267_33373784	NC_021163.1	Ca_kabuli_chr04	33373784	AA	GG	1940304222
SNP_P1_76268_33373806	NC_021163.1	Ca_kabuli_chr04	33373806	GG	AA	1940304223
SNP_P1_76269_33373834	NC_021163.1	Ca_kabuli_chr04	33373834	TT	GG	1940304225
SNP_P1_76270_33375216	NC_021163.1	Ca_kabuli_chr04	33375216	AA	GG	1940304227
SNP_P1_76271_33375429	NC_021163.1	Ca_kabuli_chr04	33375429	CC	AA	1940304228
SNP_P1_76272_33376143	NC_021163.1	Ca_kabuli_chr04	33376143	CC	TT	1940304230
SNP_P1_76273_33376154	NC_021163.1	Ca_kabuli_chr04	33376154	AA	TT	1940304232
SNP_P1_76274_33376399	NC_021163.1	Ca_kabuli_chr04	33376399	GG	AA	1940304233
SNP_P1_76275_33376753	NC_021163.1	Ca_kabuli_chr04	33376753	AA	CC	1940304235
SNP_P1_76278_33377530	NC_021163.1	Ca_kabuli_chr04	33377530	CC	TT	1940304237
SNP_P1_76279_33377567	NC_021163.1	Ca_kabuli_chr04	33377567	CC	TT	1940304238
SNP_P1_76281_33386818	NC_021163.1	Ca_kabuli_chr04	33386818	TT	AA	1940304240
SNP_P1_76282_33386819	NC_021163.1	Ca_kabuli_chr04	33386819	TT	AA	1940304241
SNP_P1_76283_33386822	NC_021163.1	Ca_kabuli_chr04	33386822	AA	TT	1940304243
SNP_P1_76284_33386919	NC_021163.1	Ca_kabuli_chr04	33386919	TT	CC	1940304245
SNP_P1_76285_33387019	NC_021163.1	Ca_kabuli_chr04	33387019	CC	TT	1940304246
SNP_P1_76286_33387031	NC_021163.1	Ca_kabuli_chr04	33387031	GG	AA	1940304248
SNP_P1_76287_33387033	NC_021163.1	Ca_kabuli_chr04	33387033	AA	GG	1940304250
SNP_P1_76289_33387975	NC_021163.1	Ca_kabuli_chr04	33387975	AA	TT	1940304251
SNP_P1_76290_33389960	NC_021163.1	Ca_kabuli_chr04	33389960	GG	AA	1940304253

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76292_33391437	NC_021163.1	Ca_kabuli_chr04	33391437	GG	AA	1940304256
SNP_P1_76293_33391614	NC_021163.1	Ca_kabuli_chr04	33391614	TT	CC	1940304258
SNP_P1_76294_33392367	NC_021163.1	Ca_kabuli_chr04	33392367	TT	CC	1940304260
SNP_P1_76297_33393758	NC_021163.1	Ca_kabuli_chr04	33393758	GG	CC	1940304261
SNP_P1_76299_33394028	NC_021163.1	Ca_kabuli_chr04	33394028	AA	TT	1940304263
SNP_P1_76300_33394071	NC_021163.1	Ca_kabuli_chr04	33394071	CC	TT	1940304265
SNP_P1_76301_33394085	NC_021163.1	Ca_kabuli_chr04	33394085	GG	AA	1940304266
SNP_P1_76302_33394399	NC_021163.1	Ca_kabuli_chr04	33394399	AA	CC	1940304268
SNP_P1_76303_33394412	NC_021163.1	Ca_kabuli_chr04	33394412	AA	GG	1940304270
SNP_P1_76304_33394424	NC_021163.1	Ca_kabuli_chr04	33394424	CC	AA	1940304271
SNP_P1_76306_33394920	NC_021163.1	Ca_kabuli_chr04	33394920	CC	TT	1940304273
SNP_P1_76307_33394926	NC_021163.1	Ca_kabuli_chr04	33394926	TT	CC	1940304275
SNP_P1_76308_33396245	NC_021163.1	Ca_kabuli_chr04	33396245	AA	TT	1940304276
SNP_P1_76309_33396297	NC_021163.1	Ca_kabuli_chr04	33396297	GG	TT	1940304278
SNP_P1_76312_33399868	NC_021163.1	Ca_kabuli_chr04	33399868	GG	AA	1940304280
SNP_P1_76313_33401199	NC_021163.1	Ca_kabuli_chr04	33401199	CC	TT	1940304281
SNP_P1_76315_33401318	NC_021163.1	Ca_kabuli_chr04	33401318	GG	AA	1940304283
SNP_P1_76316_33405478	NC_021163.1	Ca_kabuli_chr04	33405478	TT	GG	1940304285
SNP_P1_76317_33406655	NC_021163.1	Ca_kabuli_chr04	33406655	GG	TT	1940304286
SNP_P1_76318_33408015	NC_021163.1	Ca_kabuli_chr04	33408015	AA	GG	1940304288
SNP_P1_76319_33408875	NC_021163.1	Ca_kabuli_chr04	33408875	AA	GG	1940304290
SNP_P1_76320_33410713	NC_021163.1	Ca_kabuli_chr04	33410713	TT	GG	1940304291
SNP_P1_76321_33411603	NC_021163.1	Ca_kabuli_chr04	33411603	GG	AA	1940304293
SNP_P1_76322_33411987	NC_021163.1	Ca_kabuli_chr04	33411987	CC	AA	1940304295
SNP_P1_76324_33414128	NC_021163.1	Ca_kabuli_chr04	33414128	CC	TT	1940304296
SNP_P1_76325_33416600	NC_021163.1	Ca_kabuli_chr04	33416600	AA	TT	1940304298
SNP_P1_76326_33416814	NC_021163.1	Ca_kabuli_chr04	33416814	CC	GG	1940304300
SNP_P1_76327_33416922	NC_021163.1	Ca_kabuli_chr04	33416922	AA	CC	1940304301
SNP_P1_76328_33417621	NC_021163.1	Ca_kabuli_chr04	33417621	GG	TT	1940304303
SNP_P1_76329_33419034	NC_021163.1	Ca_kabuli_chr04	33419034	AA	CC	1940304305
SNP_P1_76330_33419035	NC_021163.1	Ca_kabuli_chr04	33419035	CC	AA	1940304306
SNP_P1_76331_33424342	NC_021163.1	Ca_kabuli_chr04	33424342	TT	CC	1940304308
SNP_P1_76332_33425473	NC_021163.1	Ca_kabuli_chr04	33425473	GG	AA	1940304310
SNP_P1_76333_33429489	NC_021163.1	Ca_kabuli_chr04	33429489	GG	AA	1940304311
SNP_P1_76336_33434221	NC_021163.1	Ca_kabuli_chr04	33434221	TT	CC	1940304313
SNP_P1_76337_33434446	NC_021163.1	Ca_kabuli_chr04	33434446	AA	GG	1940304315
SNP_P1_76338_33434567	NC_021163.1	Ca_kabuli_chr04	33434567	AA	GG	1940304316
SNP_P1_76339_33435714	NC_021163.1	Ca_kabuli_chr04	33435714	AA	GG	1940304318
SNP_P1_76340_33439401	NC_021163.1	Ca_kabuli_chr04	33439401	TT	AA	1940304319
SNP_P1_76341_33443138	NC_021163.1	Ca_kabuli_chr04	33443138	TT	GG	1940304321
SNP_P1_76342_33443188	NC_021163.1	Ca_kabuli_chr04	33443188	GG	AA	1940304323

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76345_33452733	NC_021163.1	Ca_kabuli_chr04	33452733	TT	CC	1940304326
SNP_P1_76346_33454032	NC_021163.1	Ca_kabuli_chr04	33454032	GG	AA	1940304328
SNP_P1_76347_33454194	NC_021163.1	Ca_kabuli_chr04	33454194	TT	GG	1940304329
SNP_P1_76348_33454315	NC_021163.1	Ca_kabuli_chr04	33454315	TT	CC	1940304331
SNP_P1_76349_33455661	NC_021163.1	Ca_kabuli_chr04	33455661	AA	GG	1940304333
SNP_P1_76350_33458842	NC_021163.1	Ca_kabuli_chr04	33458842	CC	TT	1940304334
SNP_P1_76353_33468169	NC_021163.1	Ca_kabuli_chr04	33468169	TT	CC	1940304336
SNP_P1_76354_33468261	NC_021163.1	Ca_kabuli_chr04	33468261	AA	TT	1940304338
SNP_P1_76355_33475550	NC_021163.1	Ca_kabuli_chr04	33475550	CC	TT	1940304339
SNP_P1_76356_33475681	NC_021163.1	Ca_kabuli_chr04	33475681	TT	CC	1940304341
SNP_P1_76357_33478889	NC_021163.1	Ca_kabuli_chr04	33478889	GG	AA	1940304343
SNP_P1_76358_33481121	NC_021163.1	Ca_kabuli_chr04	33481121	AA	GG	1940304344
SNP_P1_76359_33481222	NC_021163.1	Ca_kabuli_chr04	33481222	AA	TT	1940304346
SNP_P1_76360_33481774	NC_021163.1	Ca_kabuli_chr04	33481774	AA	CC	1940304348
SNP_P1_76361_33489091	NC_021163.1	Ca_kabuli_chr04	33489091	GG	CC	1940304349
SNP_P1_76362_33489856	NC_021163.1	Ca_kabuli_chr04	33489856	AA	CC	1940304351
SNP_P1_76363_33493318	NC_021163.1	Ca_kabuli_chr04	33493318	GG	AA	1940304353
SNP_P1_76365_33493411	NC_021163.1	Ca_kabuli_chr04	33493411	GG	AA	1940304354
SNP_P1_76366_33493435	NC_021163.1	Ca_kabuli_chr04	33493435	AA	GG	1940304356
SNP_P1_76367_33493448	NC_021163.1	Ca_kabuli_chr04	33493448	AA	GG	1940304358
SNP_P1_76368_33493710	NC_021163.1	Ca_kabuli_chr04	33493710	AA	GG	1940304359
SNP_P1_76369_33493734	NC_021163.1	Ca_kabuli_chr04	33493734	AA	CC	1940304361
SNP_P1_76370_33493743	NC_021163.1	Ca_kabuli_chr04	33493743	TT	GG	1940304363
SNP_P1_76371_33493747	NC_021163.1	Ca_kabuli_chr04	33493747	TT	CC	1940304364
SNP_P1_76372_33493763	NC_021163.1	Ca_kabuli_chr04	33493763	GG	AA	1940304366
SNP_P1_76373_33494322	NC_021163.1	Ca_kabuli_chr04	33494322	AA	GG	1940304368
SNP_P1_76374_33494713	NC_021163.1	Ca_kabuli_chr04	33494713	GG	TT	1940304369
SNP_P1_76375_33495938	NC_021163.1	Ca_kabuli_chr04	33495938	CC	TT	1940304371
SNP_P1_76376_33495939	NC_021163.1	Ca_kabuli_chr04	33495939	AA	TT	1940304373
SNP_P1_76377_33495947	NC_021163.1	Ca_kabuli_chr04	33495947	GG	AA	1940304374
SNP_P1_76378_33497460	NC_021163.1	Ca_kabuli_chr04	33497460	AA	TT	1940304376
SNP_P1_76379_33498155	NC_021163.1	Ca_kabuli_chr04	33498155	GG	TT	1940304378
SNP_P1_76381_33503710	NC_021163.1	Ca_kabuli_chr04	33503710	AA	TT	1940304379
SNP_P1_76382_33508875	NC_021163.1	Ca_kabuli_chr04	33508875	AA	CC	1940304381
SNP_P1_76383_33508903	NC_021163.1	Ca_kabuli_chr04	33508903	TT	GG	1940304383
SNP_P1_76384_33509373	NC_021163.1	Ca_kabuli_chr04	33509373	CC	TT	1940304384
SNP_P1_76385_33509421	NC_021163.1	Ca_kabuli_chr04	33509421	GG	AA	1940304386
SNP_P1_76386_33511563	NC_021163.1	Ca_kabuli_chr04	33511563	CC	AA	1940304388
SNP_P1_76387_33515442	NC_021163.1	Ca_kabuli_chr04	33515442	AA	GG	1940304389
SNP_P1_76388_33515831	NC_021163.1	Ca_kabuli_chr04	33515831	GG	AA	1940304391
SNP_P1_76389_33516045	NC_021163.1	Ca_kabuli_chr04	33516045	AA	GG	1940304393

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_76390_33516654	NC_021163.1	Ca_kabuli_chr04	33516654	GG	AA	1940304394
SNP_P1_76391_33516678	NC_021163.1	Ca_kabuli_chr04	33516678	GG	TT	1940304396
SNP_P1_76392_33518478	NC_021163.1	Ca_kabuli_chr04	33518478	AA	CC	1940304398
SNP_P1_76393_33520056	NC_021163.1	Ca_kabuli_chr04	33520056	CC	AA	1940304399
SNP_P1_76394_33529153	NC_021163.1	Ca_kabuli_chr04	33529153	TT	CC	1940304401
SNP_P1_76395_33529437	NC_021163.1	Ca_kabuli_chr04	33529437	CC	TT	1940304402
SNP_P1_76396_33529587	NC_021163.1	Ca_kabuli_chr04	33529587	TT	CC	1940304404
SNP_P1_76397_33529670	NC_021163.1	Ca_kabuli_chr04	33529670	GG	AA	1940304406
SNP_P1_76399_33533340	NC_021163.1	Ca_kabuli_chr04	33533340	AA	GG	1940304407
SNP_P1_76400_33533586	NC_021163.1	Ca_kabuli_chr04	33533586	CC	AA	1940304409
SNP_P1_76401_33539520	NC_021163.1	Ca_kabuli_chr04	33539520	CC	TT	1940304411
SNP_P1_76402_33542375	NC_021163.1	Ca_kabuli_chr04	33542375	CC	AA	1940304412
SNP_P1_76403_33543054	NC_021163.1	Ca_kabuli_chr04	33543054	AA	TT	1940304414
SNP_P1_76404_33546602	NC_021163.1	Ca_kabuli_chr04	33546602	AA	CC	1940304416
SNP_P1_76405_33546627	NC_021163.1	Ca_kabuli_chr04	33546627	TT	CC	1940304417
SNP_P1_76406_33546798	NC_021163.1	Ca_kabuli_chr04	33546798	TT	GG	1940304419
SNP_P1_76407_33546851	NC_021163.1	Ca_kabuli_chr04	33546851	CC	AA	1940304421
SNP_P1_76409_33547131	NC_021163.1	Ca_kabuli_chr04	33547131	TT	CC	1940304422
SNP_P1_76410_33553524	NC_021163.1	Ca_kabuli_chr04	33553524	CC	AA	1940304424
SNP_P1_76411_33553655	NC_021163.1	Ca_kabuli_chr04	33553655	CC	TT	1940304426
SNP_P1_76412_33554568	NC_021163.1	Ca_kabuli_chr04	33554568	TT	CC	1940304427
SNP_P1_76413_33555136	NC_021163.1	Ca_kabuli_chr04	33555136	GG	AA	1940304429
SNP_P1_76414_33561198	NC_021163.1	Ca_kabuli_chr04	33561198	GG	TT	1940304431
SNP_P1_76415_33561268	NC_021163.1	Ca_kabuli_chr04	33561268	CC	TT	1940304432
SNP_P1_76416_33561294	NC_021163.1	Ca_kabuli_chr04	33561294	AA	TT	1940304434
SNP_P1_76417_33561399	NC_021163.1	Ca_kabuli_chr04	33561399	GG	AA	1940304436
SNP_P1_76419_33561415	NC_021163.1	Ca_kabuli_chr04	33561415	AA	TT	1940304437
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SNP_P1_76421_33561516	NC_021163.1	Ca_kabuli_chr04	33561516	TT	AA	1940304441
SNP_P1_76422_33561915	NC_021163.1	Ca_kabuli_chr04	33561915	GG	TT	1940304442
SNP_P1_76423_33562249	NC_021163.1	Ca_kabuli_chr04	33562249	AA	GG	1940304444
SNP_P1_76424_33562326	NC_021163.1	Ca_kabuli_chr04	33562326	GG	AA	1940304446
SNP_P1_76425_33562764	NC_021163.1	Ca_kabuli_chr04	33562764	TT	GG	1940304447
SNP_P1_76426_33562804	NC_021163.1	Ca_kabuli_chr04	33562804	TT	AA	1940304449
SNP_P1_76427_33566124	NC_021163.1	Ca_kabuli_chr04	33566124	AA	GG	1940304451
SNP_P1_76428_33566129	NC_021163.1	Ca_kabuli_chr04	33566129	AA	CC	1940304452
SNP_P1_76430_33568649	NC_021163.1	Ca_kabuli_chr04	33568649	TT	CC	1940304454
SNP_P1_76431_33570222	NC_021163.1	Ca_kabuli_chr04	33570222	TT	AA	1940304456
SNP_P1_76432_33570374	NC_021163.1	Ca_kabuli_chr04	33570374	TT	CC	1940304457
SNP_P1_76433_33570375	NC_021163.1	Ca_kabuli_chr04	33570375	TT	CC	1940304459
SNP_P1_76434_33570393	NC_021163.1	Ca_kabuli_chr04	33570393	TT	CC	1940304461
SNP_P1_76435_33570515	NC_021163.1	Ca_kabuli_chr04	33570515	CC	GG	1940304462

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76437_33570620	NC_021163.1	Ca_kabuli_chr04	33570620	AA	CC	1940304466
SNP_P1_76438_33570653	NC_021163.1	Ca_kabuli_chr04	33570653	GG	TT	1940304467
SNP_P1_76439_33570654	NC_021163.1	Ca_kabuli_chr04	33570654	TT	CC	1940304469
SNP_P1_76440_33571306	NC_021163.1	Ca_kabuli_chr04	33571306	TT	CC	1940304471
SNP_P1_76441_33572340	NC_021163.1	Ca_kabuli_chr04	33572340	AA	GG	1940304472
SNP_P1_76443_33572992	NC_021163.1	Ca_kabuli_chr04	33572992	CC	TT	1940304474
SNP_P1_76444_33575071	NC_021163.1	Ca_kabuli_chr04	33575071	TT	CC	1940304476
SNP_P1_76445_33579772	NC_021163.1	Ca_kabuli_chr04	33579772	CC	TT	1940304477
SNP_P1_76446_33581791	NC_021163.1	Ca_kabuli_chr04	33581791	CC	TT	1940304479
SNP_P1_76447_33582589	NC_021163.1	Ca_kabuli_chr04	33582589	GG	AA	1940304481
SNP_P1_76448_33583801	NC_021163.1	Ca_kabuli_chr04	33583801	TT	CC	1940304482
SNP_P1_76450_33586521	NC_021163.1	Ca_kabuli_chr04	33586521	GG	AA	1940304484
SNP_P1_76451_33588457	NC_021163.1	Ca_kabuli_chr04	33588457	AA	GG	1940304485
SNP_P1_76452_33589877	NC_021163.1	Ca_kabuli_chr04	33589877	AA	CC	1940304487
SNP_P1_76453_33589896	NC_021163.1	Ca_kabuli_chr04	33589896	GG	CC	1940304489
SNP_P1_76454_33591335	NC_021163.1	Ca_kabuli_chr04	33591335	AA	GG	1940304490
SNP_P1_76455_33600915	NC_021163.1	Ca_kabuli_chr04	33600915	GG	AA	1940304492
SNP_P1_76456_33601094	NC_021163.1	Ca_kabuli_chr04	33601094	GG	AA	1940304494
SNP_P1_76457_33602084	NC_021163.1	Ca_kabuli_chr04	33602084	GG	AA	1940304495
SNP_P1_76458_33611761	NC_021163.1	Ca_kabuli_chr04	33611761	GG	TT	1940304497
SNP_P1_76459_33613316	NC_021163.1	Ca_kabuli_chr04	33613316	CC	TT	1940304499
SNP_P1_76461_33614767	NC_021163.1	Ca_kabuli_chr04	33614767	CC	AA	1940304500
SNP_P1_76462_33614768	NC_021163.1	Ca_kabuli_chr04	33614768	TT	AA	1940304502
SNP_P1_76463_33614769	NC_021163.1	Ca_kabuli_chr04	33614769	TT	AA	1940304504
SNP_P1_76464_33614853	NC_021163.1	Ca_kabuli_chr04	33614853	TT	AA	1940304505
SNP_P1_76465_33615115	NC_021163.1	Ca_kabuli_chr04	33615115	GG	TT	1940304507
SNP_P1_76466_33615195	NC_021163.1	Ca_kabuli_chr04	33615195	CC	TT	1940304509
SNP_P1_76467_33615454	NC_021163.1	Ca_kabuli_chr04	33615454	TT	CC	1940304510
SNP_P1_76469_33615503	NC_021163.1	Ca_kabuli_chr04	33615503	AA	GG	1940304512
SNP_P1_76471_33615675	NC_021163.1	Ca_kabuli_chr04	33615675	CC	AA	1940304514
SNP_P1_76472_33615709	NC_021163.1	Ca_kabuli_chr04	33615709	TT	AA	1940304515
SNP_P1_76473_33615795	NC_021163.1	Ca_kabuli_chr04	33615795	AA	GG	1940304517
SNP_P1_76474_33615837	NC_021163.1	Ca_kabuli_chr04	33615837	CC	TT	1940304519
SNP_P1_76475_33616030	NC_021163.1	Ca_kabuli_chr04	33616030	CC	TT	1940304520
SNP_P1_76476_33616090	NC_021163.1	Ca_kabuli_chr04	33616090	CC	AA	1940304522
SNP_P1_76477_33616162	NC_021163.1	Ca_kabuli_chr04	33616162	TT	CC	1940304524
SNP_P1_76478_33616165	NC_021163.1	Ca_kabuli_chr04	33616165	AA	TT	1940304525
SNP_P1_76479_33616178	NC_021163.1	Ca_kabuli_chr04	33616178	CC	TT	1940304527
SNP_P1_76480_33616432	NC_021163.1	Ca_kabuli_chr04	33616432	CC	AA	1940304529
SNP_P1_76481_33616469	NC_021163.1	Ca_kabuli_chr04	33616469	AA	CC	1940304530
SNP_P1_76482_33616550	NC_021163.1	Ca_kabuli_chr04	33616550	AA	GG	1940304532

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76484_33616999	NC_021163.1	Ca_kabuli_chr04	33616999	CC	TT	1940304535
SNP_P1_76485_33617101	NC_021163.1	Ca_kabuli_chr04	33617101	TT	CC	1940304537
SNP_P1_76486_33617229	NC_021163.1	Ca_kabuli_chr04	33617229	TT	CC	1940304539
SNP_P1_76487_33617232	NC_021163.1	Ca_kabuli_chr04	33617232	TT	CC	1940304540
SNP_P1_76488_33617244	NC_021163.1	Ca_kabuli_chr04	33617244	TT	AA	1940304542
SNP_P1_76489_33617318	NC_021163.1	Ca_kabuli_chr04	33617318	TT	GG	1940304544
SNP_P1_76490_33617325	NC_021163.1	Ca_kabuli_chr04	33617325	GG	AA	1940304545
SNP_P1_76492_33617364	NC_021163.1	Ca_kabuli_chr04	33617364	CC	AA	1940304547
SNP_P1_76493_33617664	NC_021163.1	Ca_kabuli_chr04	33617664	AA	GG	1940304549
SNP_P1_76494_33617720	NC_021163.1	Ca_kabuli_chr04	33617720	GG	AA	1940304550
SNP_P1_76496_33618672	NC_021163.1	Ca_kabuli_chr04	33618672	AA	TT	1940304552
SNP_P1_76497_33618689	NC_021163.1	Ca_kabuli_chr04	33618689	CC	TT	1940304554
SNP_P1_76498_33618888	NC_021163.1	Ca_kabuli_chr04	33618888	TT	CC	1940304555
SNP_P1_76499_33619084	NC_021163.1	Ca_kabuli_chr04	33619084	AA	GG	1940304557
SNP_P1_76500_33619100	NC_021163.1	Ca_kabuli_chr04	33619100	TT	AA	1940304559
SNP_P1_76501_33619106	NC_021163.1	Ca_kabuli_chr04	33619106	CC	AA	1940304560
SNP_P1_76503_33619267	NC_021163.1	Ca_kabuli_chr04	33619267	TT	GG	1940304562
SNP_P1_76505_33619709	NC_021163.1	Ca_kabuli_chr04	33619709	GG	CC	1940304564
SNP_P1_76506_33619854	NC_021163.1	Ca_kabuli_chr04	33619854	CC	AA	1940304565
SNP_P1_76507_33620078	NC_021163.1	Ca_kabuli_chr04	33620078	CC	AA	1940304567
SNP_P1_76508_33620129	NC_021163.1	Ca_kabuli_chr04	33620129	GG	TT	1940304569
SNP_P1_76510_33620543	NC_021163.1	Ca_kabuli_chr04	33620543	CC	TT	1940304570
SNP_P1_76511_33620552	NC_021163.1	Ca_kabuli_chr04	33620552	TT	CC	1940304572
SNP_P1_76512_33620567	NC_021163.1	Ca_kabuli_chr04	33620567	TT	CC	1940304574
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SNP_P1_76515_33620619	NC_021163.1	Ca_kabuli_chr04	33620619	AA	GG	1940304579
SNP_P1_76516_33620778	NC_021163.1	Ca_kabuli_chr04	33620778	CC	TT	1940304581
SNP_P1_76517_33620781	NC_021163.1	Ca_kabuli_chr04	33620781	AA	CC	1940304582
SNP_P1_76518_33620782	NC_021163.1	Ca_kabuli_chr04	33620782	TT	CC	1940304584
SNP_P1_76519_33620786	NC_021163.1	Ca_kabuli_chr04	33620786	GG	AA	1940304585
SNP_P1_76520_33620787	NC_021163.1	Ca_kabuli_chr04	33620787	AA	TT	1940304587
SNP_P1_76521_33620823	NC_021163.1	Ca_kabuli_chr04	33620823	TT	CC	1940304589
SNP_P1_76522_33620843	NC_021163.1	Ca_kabuli_chr04	33620843	CC	TT	1940304590
SNP_P1_76523_33620861	NC_021163.1	Ca_kabuli_chr04	33620861	TT	CC	1940304592
SNP_P1_76524_33620867	NC_021163.1	Ca_kabuli_chr04	33620867	TT	CC	1940304594
SNP_P1_76525_33620876	NC_021163.1	Ca_kabuli_chr04	33620876	GG	CC	1940304595
SNP_P1_76526_33620880	NC_021163.1	Ca_kabuli_chr04	33620880	AA	GG	1940304597
SNP_P1_76527_33620908	NC_021163.1	Ca_kabuli_chr04	33620908	AA	GG	1940304598
SNP_P1_76528_33620984	NC_021163.1	Ca_kabuli_chr04	33620984	TT	CC	1940304600
SNP_P1_76529_33621016	NC_021163.1	Ca_kabuli_chr04	33621016	TT	CC	1940304602

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76531_33621065	NC_021163.1	Ca_kabuli_chr04	33621065	GG	AA	1940304605
SNP_P1_76532_33621109	NC_021163.1	Ca_kabuli_chr04	33621109	CC	AA	1940304607
SNP_P1_76533_33621110	NC_021163.1	Ca_kabuli_chr04	33621110	TT	CC	1940304608
SNP_P1_76534_33621111	NC_021163.1	Ca_kabuli_chr04	33621111	AA	GG	1940304610
SNP_P1_76535_33621114	NC_021163.1	Ca_kabuli_chr04	33621114	AA	TT	1940304612
SNP_P1_76536_33621150	NC_021163.1	Ca_kabuli_chr04	33621150	AA	GG	1940304613
SNP_P1_76537_33621681	NC_021163.1	Ca_kabuli_chr04	33621681	CC	TT	1940304615
SNP_P1_76538_33625840	NC_021163.1	Ca_kabuli_chr04	33625840	TT	CC	1940304617
SNP_P1_76539_33625860	NC_021163.1	Ca_kabuli_chr04	33625860	CC	TT	1940304618
SNP_P1_76540_33626015	NC_021163.1	Ca_kabuli_chr04	33626015	AA	TT	1940304620
SNP_P1_76541_33626018	NC_021163.1	Ca_kabuli_chr04	33626018	TT	GG	1940304622
SNP_P1_76542_33626038	NC_021163.1	Ca_kabuli_chr04	33626038	AA	CC	1940304623
SNP_P1_76543_33626039	NC_021163.1	Ca_kabuli_chr04	33626039	AA	GG	1940304625
SNP_P1_76544_33626146	NC_021163.1	Ca_kabuli_chr04	33626146	CC	GG	1940304627
SNP_P1_76545_33626160	NC_021163.1	Ca_kabuli_chr04	33626160	CC	TT	1940304628
SNP_P1_76546_33626163	NC_021163.1	Ca_kabuli_chr04	33626163	CC	GG	1940304630
SNP_P1_76547_33626165	NC_021163.1	Ca_kabuli_chr04	33626165	CC	TT	1940304632
SNP_P1_76548_33626194	NC_021163.1	Ca_kabuli_chr04	33626194	AA	TT	1940304633
SNP_P1_76549_33626214	NC_021163.1	Ca_kabuli_chr04	33626214	GG	CC	1940304635
SNP_P1_76550_33626220	NC_021163.1	Ca_kabuli_chr04	33626220	GG	AA	1940304637
SNP_P1_76551_33626232	NC_021163.1	Ca_kabuli_chr04	33626232	AA	TT	1940304638
SNP_P1_76552_33626233	NC_021163.1	Ca_kabuli_chr04	33626233	TT	CC	1940304640
SNP_P1_76553_33626245	NC_021163.1	Ca_kabuli_chr04	33626245	AA	GG	1940304642
SNP_P1_76554_33626250	NC_021163.1	Ca_kabuli_chr04	33626250	CC	TT	1940304643
SNP_P1_76555_33626257	NC_021163.1	Ca_kabuli_chr04	33626257	CC	TT	1940304645
SNP_P1_76556_33626279	NC_021163.1	Ca_kabuli_chr04	33626279	CC	TT	1940304647
SNP_P1_76557_33626283	NC_021163.1	Ca_kabuli_chr04	33626283	AA	CC	1940304648
SNP_P1_76558_33626286	NC_021163.1	Ca_kabuli_chr04	33626286	AA	CC	1940304650
SNP_P1_76559_33626346	NC_021163.1	Ca_kabuli_chr04	33626346	AA	GG	1940304652
SNP_P1_76560_33626384	NC_021163.1	Ca_kabuli_chr04	33626384	CC	TT	1940304654
SNP_P1_76561_33626401	NC_021163.1	Ca_kabuli_chr04	33626401	AA	CC	1940304656
SNP_P1_76562_33626417	NC_021163.1	Ca_kabuli_chr04	33626417	TT	CC	1940304657
SNP_P1_76563_33627088	NC_021163.1	Ca_kabuli_chr04	33627088	AA	GG	1940304659
SNP_P1_76564_33627131	NC_021163.1	Ca_kabuli_chr04	33627131	GG	AA	1940304661
SNP_P1_76565_33627147	NC_021163.1	Ca_kabuli_chr04	33627147	GG	AA	1940304662
SNP_P1_76566_33627259	NC_021163.1	Ca_kabuli_chr04	33627259	TT	GG	1940304664
SNP_P1_76567_33627649	NC_021163.1	Ca_kabuli_chr04	33627649	AA	GG	1940304666
SNP_P1_76568_33627655	NC_021163.1	Ca_kabuli_chr04	33627655	GG	AA	1940304667
SNP_P1_76570_33627707	NC_021163.1	Ca_kabuli_chr04	33627707	AA	GG	1940304669
SNP_P1_76571_33627871	NC_021163.1	Ca_kabuli_chr04	33627871	TT	CC	1940304671
SNP_P1_76572_33629784	NC_021163.1	Ca_kabuli_chr04	33629784	AA	TT	1940304672

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76574_33629887	NC_021163.1	Ca_kabuli_chr04	33629887	GG	AA	1940304676
SNP_P1_76575_33629992	NC_021163.1	Ca_kabuli_chr04	33629992	TT	CC	1940304677
SNP_P1_76576_33629995	NC_021163.1	Ca_kabuli_chr04	33629995	AA	CC	1940304679
SNP_P1_76577_33630007	NC_021163.1	Ca_kabuli_chr04	33630007	GG	AA	1940304681
SNP_P1_76578_33630014	NC_021163.1	Ca_kabuli_chr04	33630014	TT	CC	1940304682
SNP_P1_76579_33630025	NC_021163.1	Ca_kabuli_chr04	33630025	AA	TT	1940304684
SNP_P1_76580_33630027	NC_021163.1	Ca_kabuli_chr04	33630027	CC	GG	1940304686
SNP_P1_76581_33630038	NC_021163.1	Ca_kabuli_chr04	33630038	GG	CC	1940304687
SNP_P1_76582_33630039	NC_021163.1	Ca_kabuli_chr04	33630039	GG	AA	1940304689
SNP_P1_76583_33630078	NC_021163.1	Ca_kabuli_chr04	33630078	CC	TT	1940304691
SNP_P1_76584_33630080	NC_021163.1	Ca_kabuli_chr04	33630080	GG	AA	1940304692
SNP_P1_76585_33630081	NC_021163.1	Ca_kabuli_chr04	33630081	AA	GG	1940304694
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SNP_P1_76587_33630111	NC_021163.1	Ca_kabuli_chr04	33630111	CC	GG	1940304697
SNP_P1_76588_33630112	NC_021163.1	Ca_kabuli_chr04	33630112	CC	TT	1940304699
SNP_P1_76589_33630120	NC_021163.1	Ca_kabuli_chr04	33630120	AA	GG	1940304700
SNP_P1_76591_33654178	NC_021163.1	Ca_kabuli_chr04	33654178	AA	TT	1940304702
SNP_P1_76592_33662113	NC_021163.1	Ca_kabuli_chr04	33662113	AA	TT	1940304704
SNP_P1_76593_33662114	NC_021163.1	Ca_kabuli_chr04	33662114	AA	CC	1940304706
SNP_P1_76594_33663078	NC_021163.1	Ca_kabuli_chr04	33663078	TT	CC	1940304707
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SNP_P1_76596_33670636	NC_021163.1	Ca_kabuli_chr04	33670636	TT	AA	1940304710
SNP_P1_76597_33675919	NC_021163.1	Ca_kabuli_chr04	33675919	TT	CC	1940304712
SNP_P1_76598_33691820	NC_021163.1	Ca_kabuli_chr04	33691820	TT	GG	1940304714
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SNP_P1_76601_33702642	NC_021163.1	Ca_kabuli_chr04	33702642	GG	AA	1940304719
SNP_P1_76602_33709111	NC_021163.1	Ca_kabuli_chr04	33709111	GG	AA	1940304720
SNP_P1_76603_33709380	NC_021163.1	Ca_kabuli_chr04	33709380	AA	GG	1940304722
SNP_P1_76604_33712394	NC_021163.1	Ca_kabuli_chr04	33712394	AA	GG	1940304724
SNP_P1_76605_33713233	NC_021163.1	Ca_kabuli_chr04	33713233	TT	CC	1940304725
SNP_P1_76606_33713245	NC_021163.1	Ca_kabuli_chr04	33713245	CC	TT	1940304727
SNP_P1_76607_33713320	NC_021163.1	Ca_kabuli_chr04	33713320	CC	TT	1940304729
SNP_P1_76608_33713866	NC_021163.1	Ca_kabuli_chr04	33713866	TT	CC	1940304730
SNP_P1_76609_33713955	NC_021163.1	Ca_kabuli_chr04	33713955	CC	AA	1940304732
SNP_P1_76610_33714031	NC_021163.1	Ca_kabuli_chr04	33714031	GG	AA	1940304734
SNP_P1_76611_33714074	NC_021163.1	Ca_kabuli_chr04	33714074	TT	AA	1940304735
SNP_P1_76614_33714593	NC_021163.1	Ca_kabuli_chr04	33714593	GG	TT	1940304737
SNP_P1_76615_33714737	NC_021163.1	Ca_kabuli_chr04	33714737	AA	GG	1940304739
SNP_P1_76616_33715120	NC_021163.1	Ca_kabuli_chr04	33715120	GG	AA	1940304740
SNP_P1_76617_33715134	NC_021163.1	Ca_kabuli_chr04	33715134	CC	TT	1940304742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76619_33715217	NC_021163.1	Ca_kabuli_chr04	33715217	AA	GG	1940304745
SNP_P1_76621_33715962	NC_021163.1	Ca_kabuli_chr04	33715962	CC	GG	1940304747
SNP_P1_76622_33716339	NC_021163.1	Ca_kabuli_chr04	33716339	AA	TT	1940304749
SNP_P1_76623_33716607	NC_021163.1	Ca_kabuli_chr04	33716607	GG	CC	1940304750
SNP_P1_76624_33717044	NC_021163.1	Ca_kabuli_chr04	33717044	GG	AA	1940304752
SNP_P1_76625_33717195	NC_021163.1	Ca_kabuli_chr04	33717195	AA	CC	1940304754
SNP_P1_76626_33717350	NC_021163.1	Ca_kabuli_chr04	33717350	TT	CC	1940304755
SNP_P1_76627_33717427	NC_021163.1	Ca_kabuli_chr04	33717427	AA	GG	1940304757
SNP_P1_76628_33717748	NC_021163.1	Ca_kabuli_chr04	33717748	GG	AA	1940304759
SNP_P1_76629_33717802	NC_021163.1	Ca_kabuli_chr04	33717802	TT	AA	1940304760
SNP_P1_76631_33717957	NC_021163.1	Ca_kabuli_chr04	33717957	AA	CC	1940304762
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SNP_P1_76634_33718355	NC_021163.1	Ca_kabuli_chr04	33718355	TT	GG	1940304767
SNP_P1_76635_33718511	NC_021163.1	Ca_kabuli_chr04	33718511	CC	TT	1940304768
SNP_P1_76636_33719215	NC_021163.1	Ca_kabuli_chr04	33719215	TT	CC	1940304770
SNP_P1_76637_33719243	NC_021163.1	Ca_kabuli_chr04	33719243	CC	AA	1940304772
SNP_P1_76638_33719502	NC_021163.1	Ca_kabuli_chr04	33719502	AA	GG	1940304773
SNP_P1_76639_33719553	NC_021163.1	Ca_kabuli_chr04	33719553	CC	GG	1940304775
SNP_P1_76640_33719576	NC_021163.1	Ca_kabuli_chr04	33719576	TT	AA	1940304777
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SNP_P1_76642_33720042	NC_021163.1	Ca_kabuli_chr04	33720042	CC	TT	1940304780
SNP_P1_76643_33720303	NC_021163.1	Ca_kabuli_chr04	33720303	CC	AA	1940304782
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SNP_P1_76647_33721137	NC_021163.1	Ca_kabuli_chr04	33721137	GG	TT	1940304788
SNP_P1_76648_33721381	NC_021163.1	Ca_kabuli_chr04	33721381	AA	TT	1940304790
SNP_P1_76649_33721404	NC_021163.1	Ca_kabuli_chr04	33721404	TT	AA	1940304792
SNP_P1_76650_33721410	NC_021163.1	Ca_kabuli_chr04	33721410	AA	GG	1940304793
SNP_P1_76651_33721483	NC_021163.1	Ca_kabuli_chr04	33721483	GG	AA	1940304795
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SNP_P1_76653_33721846	NC_021163.1	Ca_kabuli_chr04	33721846	GG	AA	1940304798
SNP_P1_76654_33721975	NC_021163.1	Ca_kabuli_chr04	33721975	GG	AA	1940304800
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SNP_P1_76656_33722064	NC_021163.1	Ca_kabuli_chr04	33722064	TT	CC	1940304803
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SNP_P1_76659_33732799	NC_021163.1	Ca_kabuli_chr04	33732799	GG	AA	1940304808
SNP_P1_76660_33732979	NC_021163.1	Ca_kabuli_chr04	33732979	AA	CC	1940304810
SNP_P1_76661_33733178	NC_021163.1	Ca_kabuli_chr04	33733178	GG	AA	1940304812

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76664_33736859	NC_021163.1	Ca_kabuli_chr04	33736859	GG	AA	1940304815
SNP_P1_76666_33737880	NC_021163.1	Ca_kabuli_chr04	33737880	CC	TT	1940304817
SNP_P1_76668_33738820	NC_021163.1	Ca_kabuli_chr04	33738820	GG	AA	1940304818
SNP_P1_76669_33738874	NC_021163.1	Ca_kabuli_chr04	33738874	AA	TT	1940304820
SNP_P1_76670_33741404	NC_021163.1	Ca_kabuli_chr04	33741404	CC	TT	1940304822
SNP_P1_76671_33741601	NC_021163.1	Ca_kabuli_chr04	33741601	TT	AA	1940304823
SNP_P1_76672_33742031	NC_021163.1	Ca_kabuli_chr04	33742031	CC	AA	1940304825
SNP_P1_76674_33743565	NC_021163.1	Ca_kabuli_chr04	33743565	AA	GG	1940304826
SNP_P1_76675_33743686	NC_021163.1	Ca_kabuli_chr04	33743686	AA	GG	1940304828
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SNP_P1_76677_33743744	NC_021163.1	Ca_kabuli_chr04	33743744	CC	TT	1940304831
SNP_P1_76678_33744839	NC_021163.1	Ca_kabuli_chr04	33744839	TT	CC	1940304833
SNP_P1_76679_33746897	NC_021163.1	Ca_kabuli_chr04	33746897	CC	TT	1940304835
SNP_P1_76680_33746987	NC_021163.1	Ca_kabuli_chr04	33746987	AA	TT	1940304836
SNP_P1_76682_33747135	NC_021163.1	Ca_kabuli_chr04	33747135	AA	GG	1940304838
SNP_P1_76683_33747305	NC_021163.1	Ca_kabuli_chr04	33747305	TT	CC	1940304840
SNP_P1_76684_33747360	NC_021163.1	Ca_kabuli_chr04	33747360	CC	TT	1940304841
SNP_P1_76685_33747366	NC_021163.1	Ca_kabuli_chr04	33747366	CC	GG	1940304843
SNP_P1_76686_33750122	NC_021163.1	Ca_kabuli_chr04	33750122	AA	GG	1940304845
SNP_P1_76687_33750704	NC_021163.1	Ca_kabuli_chr04	33750704	GG	AA	1940304846
SNP_P1_76688_33751205	NC_021163.1	Ca_kabuli_chr04	33751205	GG	AA	1940304848
SNP_P1_76689_33751570	NC_021163.1	Ca_kabuli_chr04	33751570	GG	AA	1940304850
SNP_P1_76691_33755165	NC_021163.1	Ca_kabuli_chr04	33755165	GG	AA	1940304851
SNP_P1_76692_33756706	NC_021163.1	Ca_kabuli_chr04	33756706	TT	GG	1940304853
SNP_P1_76693_33756826	NC_021163.1	Ca_kabuli_chr04	33756826	CC	TT	1940304855
SNP_P1_76694_33757300	NC_021163.1	Ca_kabuli_chr04	33757300	GG	AA	1940304856
SNP_P1_76695_33757950	NC_021163.1	Ca_kabuli_chr04	33757950	GG	AA	1940304858
SNP_P1_76697_33758350	NC_021163.1	Ca_kabuli_chr04	33758350	TT	GG	1940304860
SNP_P1_76698_33758612	NC_021163.1	Ca_kabuli_chr04	33758612	CC	TT	1940304861
SNP_P1_76699_33758734	NC_021163.1	Ca_kabuli_chr04	33758734	GG	AA	1940304863
SNP_P1_76700_33760056	NC_021163.1	Ca_kabuli_chr04	33760056	CC	TT	1940304865
SNP_P1_76701_33760231	NC_021163.1	Ca_kabuli_chr04	33760231	AA	GG	1940304866
SNP_P1_76702_33760426	NC_021163.1	Ca_kabuli_chr04	33760426	AA	GG	1940304868
SNP_P1_76703_33760484	NC_021163.1	Ca_kabuli_chr04	33760484	GG	TT	1940304870
SNP_P1_76704_33760664	NC_021163.1	Ca_kabuli_chr04	33760664	CC	TT	1940304871
SNP_P1_76705_33764157	NC_021163.1	Ca_kabuli_chr04	33764157	CC	AA	1940304873
SNP_P1_76706_33764205	NC_021163.1	Ca_kabuli_chr04	33764205	AA	CC	1940304875
SNP_P1_76707_33764435	NC_021163.1	Ca_kabuli_chr04	33764435	GG	AA	1940304876
SNP_P1_76709_33768136	NC_021163.1	Ca_kabuli_chr04	33768136	GG	AA	1940304878
SNP_P1_76710_33768905	NC_021163.1	Ca_kabuli_chr04	33768905	CC	TT	1940304880
SNP_P1_76712_33771388	NC_021163.1	Ca_kabuli_chr04	33771388	CC	TT	1940304881

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76715_33773282	NC_021163.1	Ca_kabuli_chr04	33773282	CC	GG	1940304886
SNP_P1_76717_33774685	NC_021163.1	Ca_kabuli_chr04	33774685	GG	CC	1940304888
SNP_P1_76718_33775530	NC_021163.1	Ca_kabuli_chr04	33775530	TT	GG	1940304890
SNP_P1_76719_33776042	NC_021163.1	Ca_kabuli_chr04	33776042	AA	GG	1940304891
SNP_P1_76720_33776070	NC_021163.1	Ca_kabuli_chr04	33776070	AA	GG	1940304893
SNP_P1_76721_33776346	NC_021163.1	Ca_kabuli_chr04	33776346	TT	AA	1940304895
SNP_P1_76722_33776568	NC_021163.1	Ca_kabuli_chr04	33776568	GG	AA	1940304896
SNP_P1_76723_33777534	NC_021163.1	Ca_kabuli_chr04	33777534	CC	TT	1940304898
SNP_P1_76724_33777582	NC_021163.1	Ca_kabuli_chr04	33777582	TT	GG	1940304900
SNP_P1_76725_33777860	NC_021163.1	Ca_kabuli_chr04	33777860	TT	GG	1940304901
SNP_P1_76726_33779429	NC_021163.1	Ca_kabuli_chr04	33779429	GG	AA	1940304903
SNP_P1_76727_33779430	NC_021163.1	Ca_kabuli_chr04	33779430	AA	GG	1940304905
SNP_P1_76728_33781368	NC_021163.1	Ca_kabuli_chr04	33781368	TT	CC	1940304906
SNP_P1_76729_33782846	NC_021163.1	Ca_kabuli_chr04	33782846	GG	AA	1940304908
SNP_P1_76730_33784047	NC_021163.1	Ca_kabuli_chr04	33784047	AA	GG	1940304910
SNP_P1_76732_33784732	NC_021163.1	Ca_kabuli_chr04	33784732	TT	CC	1940304911
SNP_P1_76733_33786844	NC_021163.1	Ca_kabuli_chr04	33786844	CC	TT	1940304913
SNP_P1_76734_33787395	NC_021163.1	Ca_kabuli_chr04	33787395	TT	AA	1940304915
SNP_P1_76735_33793813	NC_021163.1	Ca_kabuli_chr04	33793813	GG	AA	1940304916
SNP_P1_76736_33794796	NC_021163.1	Ca_kabuli_chr04	33794796	CC	TT	1940304918
SNP_P1_76738_33796176	NC_021163.1	Ca_kabuli_chr04	33796176	GG	AA	1940304920
SNP_P1_76739_33796179	NC_021163.1	Ca_kabuli_chr04	33796179	CC	AA	1940304921
SNP_P1_76740_33796584	NC_021163.1	Ca_kabuli_chr04	33796584	GG	TT	1940304923
SNP_P1_76741_33800754	NC_021163.1	Ca_kabuli_chr04	33800754	GG	AA	1940304924
SNP_P1_76742_33800789	NC_021163.1	Ca_kabuli_chr04	33800789	GG	TT	1940304926
SNP_P1_76743_33801598	NC_021163.1	Ca_kabuli_chr04	33801598	CC	AA	1940304928
SNP_P1_76744_33802157	NC_021163.1	Ca_kabuli_chr04	33802157	AA	GG	1940304929
SNP_P1_76745_33804795	NC_021163.1	Ca_kabuli_chr04	33804795	GG	AA	1940304931
SNP_P1_76746_33805458	NC_021163.1	Ca_kabuli_chr04	33805458	TT	CC	1940304933
SNP_P1_76747_33805558	NC_021163.1	Ca_kabuli_chr04	33805558	CC	TT	1940304934
SNP_P1_76748_33806017	NC_021163.1	Ca_kabuli_chr04	33806017	GG	AA	1940304936
SNP_P1_76749_33806036	NC_021163.1	Ca_kabuli_chr04	33806036	CC	AA	1940304938
SNP_P1_76751_33807542	NC_021163.1	Ca_kabuli_chr04	33807542	AA	TT	1940304939
SNP_P1_76752_33807597	NC_021163.1	Ca_kabuli_chr04	33807597	AA	GG	1940304941
SNP_P1_76753_33808066	NC_021163.1	Ca_kabuli_chr04	33808066	GG	AA	1940304943
SNP_P1_76754_33810648	NC_021163.1	Ca_kabuli_chr04	33810648	TT	GG	1940304944
SNP_P1_76755_33810679	NC_021163.1	Ca_kabuli_chr04	33810679	TT	CC	1940304946
SNP_P1_76756_33810691	NC_021163.1	Ca_kabuli_chr04	33810691	AA	TT	1940304948
SNP_P1_76757_33810713	NC_021163.1	Ca_kabuli_chr04	33810713	AA	TT	1940304949
SNP_P1_76758_33810950	NC_021163.1	Ca_kabuli_chr04	33810950	GG	AA	1940304951

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76760_33811060	NC_021163.1	Ca_kabuli_chr04	33811060	AA	GG	1940304954
SNP_P1_76761_33811363	NC_021163.1	Ca_kabuli_chr04	33811363	AA	GG	1940304956
SNP_P1_76765_33814480	NC_021163.1	Ca_kabuli_chr04	33814480	TT	GG	1940304958
SNP_P1_76766_33816727	NC_021163.1	Ca_kabuli_chr04	33816727	CC	TT	1940304959
SNP_P1_76767_33817993	NC_021163.1	Ca_kabuli_chr04	33817993	CC	TT	1940304961
SNP_P1_76768_33819569	NC_021163.1	Ca_kabuli_chr04	33819569	TT	AA	1940304963
SNP_P1_76769_33819570	NC_021163.1	Ca_kabuli_chr04	33819570	TT	AA	1940304964
SNP_P1_76771_33822204	NC_021163.1	Ca_kabuli_chr04	33822204	TT	AA	1940304966
SNP_P1_76773_33826486	NC_021163.1	Ca_kabuli_chr04	33826486	GG	AA	1940304968
SNP_P1_76774_33827341	NC_021163.1	Ca_kabuli_chr04	33827341	AA	TT	1940304969
SNP_P1_76776_33828705	NC_021163.1	Ca_kabuli_chr04	33828705	TT	AA	1940304971
SNP_P1_76777_33833532	NC_021163.1	Ca_kabuli_chr04	33833532	AA	TT	1940304973
SNP_P1_76779_33834197	NC_021163.1	Ca_kabuli_chr04	33834197	AA	TT	1940304974
SNP_P1_76780_33834510	NC_021163.1	Ca_kabuli_chr04	33834510	CC	GG	1940304976
SNP_P1_76781_33835189	NC_021163.1	Ca_kabuli_chr04	33835189	CC	TT	1940304978
SNP_P1_76783_33837672	NC_021163.1	Ca_kabuli_chr04	33837672	TT	GG	1940304979
SNP_P1_76784_33838807	NC_021163.1	Ca_kabuli_chr04	33838807	CC	AA	1940304981
SNP_P1_76785_33839138	NC_021163.1	Ca_kabuli_chr04	33839138	CC	TT	1940304983
SNP_P1_76786_33839237	NC_021163.1	Ca_kabuli_chr04	33839237	CC	TT	1940304984
SNP_P1_76787_33839256	NC_021163.1	Ca_kabuli_chr04	33839256	CC	AA	1940304986
SNP_P1_76788_33841470	NC_021163.1	Ca_kabuli_chr04	33841470	GG	AA	1940304988
SNP_P1_76789_33841511	NC_021163.1	Ca_kabuli_chr04	33841511	TT	CC	1940304989
SNP_P1_76790_33841715	NC_021163.1	Ca_kabuli_chr04	33841715	TT	CC	1940304991
SNP_P1_76791_33842809	NC_021163.1	Ca_kabuli_chr04	33842809	GG	AA	1940304993
SNP_P1_76792_33842925	NC_021163.1	Ca_kabuli_chr04	33842925	AA	CC	1940304994
SNP_P1_76793_33843154	NC_021163.1	Ca_kabuli_chr04	33843154	TT	CC	1940304996
SNP_P1_76796_33844805	NC_021163.1	Ca_kabuli_chr04	33844805	AA	CC	1940304998
SNP_P1_76797_33845123	NC_021163.1	Ca_kabuli_chr04	33845123	GG	AA	1940304999
SNP_P1_76798_33845237	NC_021163.1	Ca_kabuli_chr04	33845237	TT	CC	1940305001
SNP_P1_76800_33845592	NC_021163.1	Ca_kabuli_chr04	33845592	TT	CC	1940305003
SNP_P1_76801_33845726	NC_021163.1	Ca_kabuli_chr04	33845726	AA	GG	1940305004
SNP_P1_76802_33846909	NC_021163.1	Ca_kabuli_chr04	33846909	CC	TT	1940305006
SNP_P1_76803_33846930	NC_021163.1	Ca_kabuli_chr04	33846930	CC	TT	1940305007
SNP_P1_76804_33849400	NC_021163.1	Ca_kabuli_chr04	33849400	CC	TT	1940305009
SNP_P1_76805_33849651	NC_021163.1	Ca_kabuli_chr04	33849651	CC	TT	1940305011
SNP_P1_76806_33849775	NC_021163.1	Ca_kabuli_chr04	33849775	CC	TT	1940305012
SNP_P1_76807_33851278	NC_021163.1	Ca_kabuli_chr04	33851278	TT	CC	1940305014
SNP_P1_76808_33853271	NC_021163.1	Ca_kabuli_chr04	33853271	CC	GG	1940305016
SNP_P1_76809_33853376	NC_021163.1	Ca_kabuli_chr04	33853376	AA	GG	1940305017
SNP_P1_76810_33853391	NC_021163.1	Ca_kabuli_chr04	33853391	TT	AA	1940305019
SNP_P1_76811_33853402	NC_021163.1	Ca_kabuli_chr04	33853402	AA	TT	1940305021

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76813_33853439	NC_021163.1	Ca_kabuli_chr04	33853439	AA	GG	1940305024
SNP_P1_76814_33853792	NC_021163.1	Ca_kabuli_chr04	33853792	TT	CC	1940305026
SNP_P1_76815_33856182	NC_021163.1	Ca_kabuli_chr04	33856182	GG	AA	1940305027
SNP_P1_76817_33856623	NC_021163.1	Ca_kabuli_chr04	33856623	TT	AA	1940305029
SNP_P1_76818_33856920	NC_021163.1	Ca_kabuli_chr04	33856920	CC	GG	1940305031
SNP_P1_76820_33857976	NC_021163.1	Ca_kabuli_chr04	33857976	GG	AA	1940305032
SNP_P1_76821_33861472	NC_021163.1	Ca_kabuli_chr04	33861472	GG	CC	1940305034
SNP_P1_76823_33865182	NC_021163.1	Ca_kabuli_chr04	33865182	AA	CC	1940305036
SNP_P1_76825_33866416	NC_021163.1	Ca_kabuli_chr04	33866416	AA	GG	1940305037
SNP_P1_76826_33868631	NC_021163.1	Ca_kabuli_chr04	33868631	GG	AA	1940305039
SNP_P1_76827_33868841	NC_021163.1	Ca_kabuli_chr04	33868841	TT	AA	1940305041
SNP_P1_76828_33871111	NC_021163.1	Ca_kabuli_chr04	33871111	AA	GG	1940305042
SNP_P1_76829_33871350	NC_021163.1	Ca_kabuli_chr04	33871350	AA	GG	1940305044
SNP_P1_76830_33871356	NC_021163.1	Ca_kabuli_chr04	33871356	TT	CC	1940305046
SNP_P1_76831_33871358	NC_021163.1	Ca_kabuli_chr04	33871358	GG	AA	1940305047
SNP_P1_76832_33871368	NC_021163.1	Ca_kabuli_chr04	33871368	CC	TT	1940305049
SNP_P1_76833_33871451	NC_021163.1	Ca_kabuli_chr04	33871451	CC	TT	1940305051
SNP_P1_76834_33871508	NC_021163.1	Ca_kabuli_chr04	33871508	AA	TT	1940305052
SNP_P1_76835_33871509	NC_021163.1	Ca_kabuli_chr04	33871509	CC	GG	1940305054
SNP_P1_76837_33871525	NC_021163.1	Ca_kabuli_chr04	33871525	CC	AA	1940305056
SNP_P1_76838_33871623	NC_021163.1	Ca_kabuli_chr04	33871623	AA	CC	1940305057
SNP_P1_76839_33871660	NC_021163.1	Ca_kabuli_chr04	33871660	GG	TT	1940305059
SNP_P1_76840_33873396	NC_021163.1	Ca_kabuli_chr04	33873396	AA	GG	1940305061
SNP_P1_76841_33873453	NC_021163.1	Ca_kabuli_chr04	33873453	TT	CC	1940305062
SNP_P1_76842_33874936	NC_021163.1	Ca_kabuli_chr04	33874936	GG	AA	1940305064
SNP_P1_76843_33874953	NC_021163.1	Ca_kabuli_chr04	33874953	AA	GG	1940305066
SNP_P1_76844_33876158	NC_021163.1	Ca_kabuli_chr04	33876158	GG	TT	1940305067
SNP_P1_76845_33877521	NC_021163.1	Ca_kabuli_chr04	33877521	GG	TT	1940305069
SNP_P1_76846_33878371	NC_021163.1	Ca_kabuli_chr04	33878371	CC	TT	1940305071
SNP_P1_76848_33879869	NC_021163.1	Ca_kabuli_chr04	33879869	GG	AA	1940305072
SNP_P1_76849_33880413	NC_021163.1	Ca_kabuli_chr04	33880413	CC	TT	1940305074
SNP_P1_76850_33881762	NC_021163.1	Ca_kabuli_chr04	33881762	AA	CC	1940305076
SNP_P1_76852_33886847	NC_021163.1	Ca_kabuli_chr04	33886847	CC	TT	1940305077
SNP_P1_76853_33887010	NC_021163.1	Ca_kabuli_chr04	33887010	AA	TT	1940305079
SNP_P1_76854_33887247	NC_021163.1	Ca_kabuli_chr04	33887247	AA	GG	1940305081
SNP_P1_76855_33895904	NC_021163.1	Ca_kabuli_chr04	33895904	CC	AA	1940305082
SNP_P1_76856_33898179	NC_021163.1	Ca_kabuli_chr04	33898179	TT	GG	1940305084
SNP_P1_76857_33899211	NC_021163.1	Ca_kabuli_chr04	33899211	GG	AA	1940305086
SNP_P1_76858_33901098	NC_021163.1	Ca_kabuli_chr04	33901098	CC	TT	1940305087
SNP_P1_76859_33901323	NC_021163.1	Ca_kabuli_chr04	33901323	GG	AA	1940305089
SNP_P1_76860_33905511	NC_021163.1	Ca_kabuli_chr04	33905511	GG	AA	1940305091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76862_33909868	NC_021163.1	Ca_kabuli_chr04	33909868	AA	GG	1940305094
SNP_P1_76865_33927212	NC_021163.1	Ca_kabuli_chr04	33927212	GG	CC	1940305096
SNP_P1_76867_33931825	NC_021163.1	Ca_kabuli_chr04	33931825	TT	CC	1940305097
SNP_P1_76868_33935950	NC_021163.1	Ca_kabuli_chr04	33935950	AA	CC	1940305099
SNP_P1_76869_33936941	NC_021163.1	Ca_kabuli_chr04	33936941	CC	TT	1940305101
SNP_P1_76870_33941150	NC_021163.1	Ca_kabuli_chr04	33941150	AA	TT	1940305102
SNP_P1_76871_33947660	NC_021163.1	Ca_kabuli_chr04	33947660	TT	CC	1940305104
SNP_P1_76872_33949233	NC_021163.1	Ca_kabuli_chr04	33949233	AA	CC	1940305106
SNP_P1_76873_33949234	NC_021163.1	Ca_kabuli_chr04	33949234	AA	CC	1940305107
SNP_P1_76875_33953055	NC_021163.1	Ca_kabuli_chr04	33953055	AA	GG	1940305109
SNP_P1_76877_33957403	NC_021163.1	Ca_kabuli_chr04	33957403	CC	GG	1940305111
SNP_P1_76879_33963491	NC_021163.1	Ca_kabuli_chr04	33963491	GG	CC	1940305112
SNP_P1_76880_33967049	NC_021163.1	Ca_kabuli_chr04	33967049	AA	CC	1940305114
SNP_P1_76881_33967465	NC_021163.1	Ca_kabuli_chr04	33967465	TT	GG	1940305116
SNP_P1_76882_33970979	NC_021163.1	Ca_kabuli_chr04	33970979	TT	GG	1940305117
SNP_P1_76883_33973071	NC_021163.1	Ca_kabuli_chr04	33973071	CC	TT	1940305119
SNP_P1_76884_33977952	NC_021163.1	Ca_kabuli_chr04	33977952	CC	AA	1940305121
SNP_P1_76885_33979532	NC_021163.1	Ca_kabuli_chr04	33979532	CC	TT	1940305122
SNP_P1_76886_33979914	NC_021163.1	Ca_kabuli_chr04	33979914	CC	TT	1940305124
SNP_P1_76887_33981420	NC_021163.1	Ca_kabuli_chr04	33981420	CC	AA	1940305126
SNP_P1_76888_33986213	NC_021163.1	Ca_kabuli_chr04	33986213	CC	TT	1940305127
SNP_P1_76889_33992174	NC_021163.1	Ca_kabuli_chr04	33992174	GG	CC	1940305129
SNP_P1_76890_33995329	NC_021163.1	Ca_kabuli_chr04	33995329	CC	TT	1940305131
SNP_P1_76891_33998508	NC_021163.1	Ca_kabuli_chr04	33998508	CC	AA	1940305132
SNP_P1_76892_33999427	NC_021163.1	Ca_kabuli_chr04	33999427	CC	AA	1940305134
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SNP_P1_76894_34003493	NC_021163.1	Ca_kabuli_chr04	34003493	GG	CC	1940305137
SNP_P1_76895_34003795	NC_021163.1	Ca_kabuli_chr04	34003795	CC	AA	1940305139
SNP_P1_76896_34005984	NC_021163.1	Ca_kabuli_chr04	34005984	TT	CC	1940305140
SNP_P1_76897_34006176	NC_021163.1	Ca_kabuli_chr04	34006176	GG	TT	1940305142
SNP_P1_76898_34007606	NC_021163.1	Ca_kabuli_chr04	34007606	AA	GG	1940305144
SNP_P1_76899_34009996	NC_021163.1	Ca_kabuli_chr04	34009996	AA	GG	1940305145
SNP_P1_76900_34010625	NC_021163.1	Ca_kabuli_chr04	34010625	CC	TT	1940305147
SNP_P1_76901_34011345	NC_021163.1	Ca_kabuli_chr04	34011345	AA	GG	1940305149
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SNP_P1_76905_34019195	NC_021163.1	Ca_kabuli_chr04	34019195	TT	CC	1940305154
SNP_P1_76906_34019196	NC_021163.1	Ca_kabuli_chr04	34019196	GG	AA	1940305155
SNP_P1_76907_34025434	NC_021163.1	Ca_kabuli_chr04	34025434	GG	AA	1940305157
SNP_P1_76910_34028346	NC_021163.1	Ca_kabuli_chr04	34028346	GG	TT	1940305159
SNP_P1_76911_34033882	NC_021163.1	Ca_kabuli_chr04	34033882	GG	AA	1940305160

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76913_34038838	NC_021163.1	Ca_kabuli_chr04	34038838	GG	AA	1940305164
SNP_P1_76915_34040219	NC_021163.1	Ca_kabuli_chr04	34040219	AA	GG	1940305165
SNP_P1_76916_34040939	NC_021163.1	Ca_kabuli_chr04	34040939	TT	GG	1940305167
SNP_P1_76917_34043793	NC_021163.1	Ca_kabuli_chr04	34043793	TT	CC	1940305169
SNP_P1_76918_34045515	NC_021163.1	Ca_kabuli_chr04	34045515	TT	CC	1940305170
SNP_P1_76919_34046116	NC_021163.1	Ca_kabuli_chr04	34046116	AA	TT	1940305172
SNP_P1_76920_34052308	NC_021163.1	Ca_kabuli_chr04	34052308	TT	CC	1940305174
SNP_P1_76921_34055062	NC_021163.1	Ca_kabuli_chr04	34055062	TT	CC	1940305175
SNP_P1_76923_34057860	NC_021163.1	Ca_kabuli_chr04	34057860	AA	TT	1940305177
SNP_P1_76924_34060626	NC_021163.1	Ca_kabuli_chr04	34060626	CC	GG	1940305179
SNP_P1_76925_34064390	NC_021163.1	Ca_kabuli_chr04	34064390	CC	TT	1940305180
SNP_P1_76926_34067849	NC_021163.1	Ca_kabuli_chr04	34067849	TT	CC	1940305182
SNP_P1_76927_34067952	NC_021163.1	Ca_kabuli_chr04	34067952	TT	AA	1940305184
SNP_P1_76928_34068437	NC_021163.1	Ca_kabuli_chr04	34068437	TT	CC	1940305185
SNP_P1_76929_34068451	NC_021163.1	Ca_kabuli_chr04	34068451	GG	AA	1940305187
SNP_P1_76930_34068463	NC_021163.1	Ca_kabuli_chr04	34068463	TT	CC	1940305189
SNP_P1_76931_34072267	NC_021163.1	Ca_kabuli_chr04	34072267	AA	CC	1940305190
SNP_P1_76932_34072809	NC_021163.1	Ca_kabuli_chr04	34072809	GG	CC	1940305192
SNP_P1_76934_34077816	NC_021163.1	Ca_kabuli_chr04	34077816	CC	AA	1940305194
SNP_P1_76935_34078194	NC_021163.1	Ca_kabuli_chr04	34078194	GG	AA	1940305195
SNP_P1_76936_34078440	NC_021163.1	Ca_kabuli_chr04	34078440	AA	GG	1940305197
SNP_P1_76937_34078591	NC_021163.1	Ca_kabuli_chr04	34078591	TT	GG	1940305199
SNP_P1_76938_34078616	NC_021163.1	Ca_kabuli_chr04	34078616	AA	CC	1940305200
SNP_P1_76939_34078623	NC_021163.1	Ca_kabuli_chr04	34078623	TT	CC	1940305202
SNP_P1_76940_34078656	NC_021163.1	Ca_kabuli_chr04	34078656	AA	GG	1940305204
SNP_P1_76941_34078723	NC_021163.1	Ca_kabuli_chr04	34078723	TT	AA	1940305205
SNP_P1_76942_34078760	NC_021163.1	Ca_kabuli_chr04	34078760	GG	AA	1940305207
SNP_P1_76943_34080980	NC_021163.1	Ca_kabuli_chr04	34080980	GG	AA	1940305209
SNP_P1_76944_34080987	NC_021163.1	Ca_kabuli_chr04	34080987	GG	TT	1940305210
SNP_P1_76945_34082465	NC_021163.1	Ca_kabuli_chr04	34082465	TT	AA	1940305212
SNP_P1_76946_34082541	NC_021163.1	Ca_kabuli_chr04	34082541	TT	CC	1940305214
SNP_P1_76947_34082674	NC_021163.1	Ca_kabuli_chr04	34082674	CC	TT	1940305215
SNP_P1_76948_34088866	NC_021163.1	Ca_kabuli_chr04	34088866	AA	GG	1940305217
SNP_P1_76949_34089754	NC_021163.1	Ca_kabuli_chr04	34089754	CC	AA	1940305219
SNP_P1_76950_34092094	NC_021163.1	Ca_kabuli_chr04	34092094	GG	TT	1940305220
SNP_P1_76951_34093390	NC_021163.1	Ca_kabuli_chr04	34093390	GG	AA	1940305222
SNP_P1_76952_34094951	NC_021163.1	Ca_kabuli_chr04	34094951	AA	GG	1940305224
SNP_P1_76953_34095398	NC_021163.1	Ca_kabuli_chr04	34095398	TT	AA	1940305225
SNP_P1_76954_34096110	NC_021163.1	Ca_kabuli_chr04	34096110	GG	AA	1940305227
SNP_P1_76955_34096533	NC_021163.1	Ca_kabuli_chr04	34096533	TT	CC	1940305229
SNP_P1_76956_34096534	NC_021163.1	Ca_kabuli_chr04	34096534	TT	CC	1940305230

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_76958_34097830	NC_021163.1	Ca_kabuli_chr04	34097830	AA	GG	1940305234
SNP_P1_76959_34100220	NC_021163.1	Ca_kabuli_chr04	34100220	TT	GG	1940305235
SNP_P1_76960_34118132	NC_021163.1	Ca_kabuli_chr04	34118132	TT	GG	1940305237
SNP_P1_76961_34120298	NC_021163.1	Ca_kabuli_chr04	34120298	TT	GG	1940305239
SNP_P1_76962_34120299	NC_021163.1	Ca_kabuli_chr04	34120299	TT	GG	1940305240
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SNP_P1_76965_34126738	NC_021163.1	Ca_kabuli_chr04	34126738	AA	TT	1940305245
SNP_P1_76966_34127147	NC_021163.1	Ca_kabuli_chr04	34127147	GG	AA	1940305247
SNP_P1_76968_34129628	NC_021163.1	Ca_kabuli_chr04	34129628	AA	GG	1940305248
SNP_P1_76969_34129874	NC_021163.1	Ca_kabuli_chr04	34129874	GG	AA	1940305250
SNP_P1_76970_34129883	NC_021163.1	Ca_kabuli_chr04	34129883	CC	TT	1940305252
SNP_P1_76971_34134254	NC_021163.1	Ca_kabuli_chr04	34134254	AA	GG	1940305253
SNP_P1_76972_34149776	NC_021163.1	Ca_kabuli_chr04	34149776	CC	AA	1940305255
SNP_P1_76973_34152846	NC_021163.1	Ca_kabuli_chr04	34152846	AA	GG	1940305257
SNP_P1_76974_34152859	NC_021163.1	Ca_kabuli_chr04	34152859	CC	TT	1940305258
SNP_P1_76975_34156391	NC_021163.1	Ca_kabuli_chr04	34156391	CC	TT	1940305260
SNP_P1_76976_34158344	NC_021163.1	Ca_kabuli_chr04	34158344	GG	AA	1940305262
SNP_P1_76977_34160104	NC_021163.1	Ca_kabuli_chr04	34160104	GG	AA	1940305263
SNP_P1_76978_34161367	NC_021163.1	Ca_kabuli_chr04	34161367	AA	CC	1940305265
SNP_P1_76979_34161398	NC_021163.1	Ca_kabuli_chr04	34161398	CC	GG	1940305267
SNP_P1_76980_34161400	NC_021163.1	Ca_kabuli_chr04	34161400	CC	TT	1940305268
SNP_P1_76981_34161445	NC_021163.1	Ca_kabuli_chr04	34161445	GG	AA	1940305270
SNP_P1_76982_34161476	NC_021163.1	Ca_kabuli_chr04	34161476	GG	AA	1940305272
SNP_P1_76983_34163437	NC_021163.1	Ca_kabuli_chr04	34163437	TT	CC	1940305273
SNP_P1_76984_34168193	NC_021163.1	Ca_kabuli_chr04	34168193	AA	GG	1940305275
SNP_P1_76985_34168580	NC_021163.1	Ca_kabuli_chr04	34168580	GG	CC	1940305277
SNP_P1_76988_34170628	NC_021163.1	Ca_kabuli_chr04	34170628	AA	CC	1940305278
SNP_P1_76989_34175616	NC_021163.1	Ca_kabuli_chr04	34175616	GG	AA	1940305280
SNP_P1_76991_34177619	NC_021163.1	Ca_kabuli_chr04	34177619	AA	GG	1940305282
SNP_P1_76992_34180208	NC_021163.1	Ca_kabuli_chr04	34180208	AA	TT	1940305283
SNP_P1_76993_34188494	NC_021163.1	Ca_kabuli_chr04	34188494	TT	CC	1940305285
SNP_P1_76994_34188536	NC_021163.1	Ca_kabuli_chr04	34188536	TT	CC	1940305287
SNP_P1_76995_34188575	NC_021163.1	Ca_kabuli_chr04	34188575	GG	AA	1940305288
SNP_P1_76997_34193873	NC_021163.1	Ca_kabuli_chr04	34193873	GG	AA	1940305290
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SNP_P1_76999_34199976	NC_021163.1	Ca_kabuli_chr04	34199976	TT	CC	1940305293
SNP_P1_77000_34200331	NC_021163.1	Ca_kabuli_chr04	34200331	AA	CC	1940305295
SNP_P1_77001_34201060	NC_021163.1	Ca_kabuli_chr04	34201060	CC	TT	1940305297
SNP_P1_77002_34201856	NC_021163.1	Ca_kabuli_chr04	34201856	GG	AA	1940305298
SNP_P1_77003_34202985	NC_021163.1	Ca_kabuli_chr04	34202985	TT	CC	1940305300

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77005_34203130	NC_021163.1	Ca_kabuli_chr04	34203130	TT	CC	1940305303
SNP_P1_77006_34206349	NC_021163.1	Ca_kabuli_chr04	34206349	AA	GG	1940305305
SNP_P1_77007_34208736	NC_021163.1	Ca_kabuli_chr04	34208736	TT	GG	1940305307
SNP_P1_77008_34212385	NC_021163.1	Ca_kabuli_chr04	34212385	AA	GG	1940305308
SNP_P1_77009_34214363	NC_021163.1	Ca_kabuli_chr04	34214363	AA	CC	1940305310
SNP_P1_77010_34215265	NC_021163.1	Ca_kabuli_chr04	34215265	CC	TT	1940305312
SNP_P1_77011_34216306	NC_021163.1	Ca_kabuli_chr04	34216306	AA	GG	1940305313
SNP_P1_77012_34216311	NC_021163.1	Ca_kabuli_chr04	34216311	TT	CC	1940305315
SNP_P1_77013_34218869	NC_021163.1	Ca_kabuli_chr04	34218869	TT	GG	1940305317
SNP_P1_77014_34222156	NC_021163.1	Ca_kabuli_chr04	34222156	TT	AA	1940305318
SNP_P1_77015_34222537	NC_021163.1	Ca_kabuli_chr04	34222537	TT	CC	1940305320
SNP_P1_77016_34222718	NC_021163.1	Ca_kabuli_chr04	34222718	CC	TT	1940305322
SNP_P1_77017_34224273	NC_021163.1	Ca_kabuli_chr04	34224273	TT	CC	1940305323
SNP_P1_77018_34225229	NC_021163.1	Ca_kabuli_chr04	34225229	AA	GG	1940305325
SNP_P1_77020_34232769	NC_021163.1	Ca_kabuli_chr04	34232769	AA	GG	1940305327
SNP_P1_77021_34233421	NC_021163.1	Ca_kabuli_chr04	34233421	AA	TT	1940305328
SNP_P1_77022_34233462	NC_021163.1	Ca_kabuli_chr04	34233462	GG	CC	1940305330
SNP_P1_77023_34236243	NC_021163.1	Ca_kabuli_chr04	34236243	AA	GG	1940305332
SNP_P1_77024_34237417	NC_021163.1	Ca_kabuli_chr04	34237417	GG	AA	1940305333
SNP_P1_77025_34237505	NC_021163.1	Ca_kabuli_chr04	34237505	GG	TT	1940305335
SNP_P1_77026_34237535	NC_021163.1	Ca_kabuli_chr04	34237535	GG	TT	1940305337
SNP_P1_77027_34238639	NC_021163.1	Ca_kabuli_chr04	34238639	AA	GG	1940305338
SNP_P1_77028_34239525	NC_021163.1	Ca_kabuli_chr04	34239525	GG	AA	1940305340
SNP_P1_77030_34240005	NC_021163.1	Ca_kabuli_chr04	34240005	CC	GG	1940305342
SNP_P1_77031_34240055	NC_021163.1	Ca_kabuli_chr04	34240055	AA	GG	1940305343
SNP_P1_77032_34240113	NC_021163.1	Ca_kabuli_chr04	34240113	CC	AA	1940305345
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SNP_P1_77035_34240408	NC_021163.1	Ca_kabuli_chr04	34240408	CC	TT	1940305348
SNP_P1_77036_34240727	NC_021163.1	Ca_kabuli_chr04	34240727	TT	AA	1940305350
SNP_P1_77037_34240867	NC_021163.1	Ca_kabuli_chr04	34240867	GG	AA	1940305352
SNP_P1_77038_34240915	NC_021163.1	Ca_kabuli_chr04	34240915	TT	CC	1940305353
SNP_P1_77039_34245110	NC_021163.1	Ca_kabuli_chr04	34245110	CC	TT	1940305355
SNP_P1_77040_34245322	NC_021163.1	Ca_kabuli_chr04	34245322	GG	AA	1940305357
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SNP_P1_77043_34252683	NC_021163.1	Ca_kabuli_chr04	34252683	GG	AA	1940305360
SNP_P1_77044_34252882	NC_021163.1	Ca_kabuli_chr04	34252882	CC	TT	1940305362
SNP_P1_77045_34252884	NC_021163.1	Ca_kabuli_chr04	34252884	AA	GG	1940305363
SNP_P1_77046_34253461	NC_021163.1	Ca_kabuli_chr04	34253461	CC	AA	1940305365
SNP_P1_77048_34257322	NC_021163.1	Ca_kabuli_chr04	34257322	TT	CC	1940305367
SNP_P1_77050_34260343	NC_021163.1	Ca_kabuli_chr04	34260343	GG	TT	1940305368
SNP_P1_77051_34260397	NC_021163.1	Ca_kabuli_chr04	34260397	GG	AA	1940305370

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77053_34261887	NC_021163.1	Ca_kabuli_chr04	34261887	TT	GG	1940305373
SNP_P1_77054_34266211	NC_021163.1	Ca_kabuli_chr04	34266211	AA	GG	1940305375
SNP_P1_77055_34266313	NC_021163.1	Ca_kabuli_chr04	34266313	AA	GG	1940305376
SNP_P1_77056_34266328	NC_021163.1	Ca_kabuli_chr04	34266328	GG	AA	1940305378
SNP_P1_77057_34266501	NC_021163.1	Ca_kabuli_chr04	34266501	GG	TT	1940305380
SNP_P1_77058_34266579	NC_021163.1	Ca_kabuli_chr04	34266579	TT	CC	1940305381
SNP_P1_77059_34266588	NC_021163.1	Ca_kabuli_chr04	34266588	AA	TT	1940305383
SNP_P1_77060_34266746	NC_021163.1	Ca_kabuli_chr04	34266746	AA	GG	1940305385
SNP_P1_77061_34268058	NC_021163.1	Ca_kabuli_chr04	34268058	CC	TT	1940305386
SNP_P1_77062_34271009	NC_021163.1	Ca_kabuli_chr04	34271009	AA	TT	1940305388
SNP_P1_77063_34271113	NC_021163.1	Ca_kabuli_chr04	34271113	TT	CC	1940305390
SNP_P1_77064_34272520	NC_021163.1	Ca_kabuli_chr04	34272520	CC	TT	1940305391
SNP_P1_77065_34274345	NC_021163.1	Ca_kabuli_chr04	34274345	TT	CC	1940305393
SNP_P1_77066_34275586	NC_021163.1	Ca_kabuli_chr04	34275586	GG	AA	1940305395
SNP_P1_77067_34280006	NC_021163.1	Ca_kabuli_chr04	34280006	GG	AA	1940305396
SNP_P1_77068_34280644	NC_021163.1	Ca_kabuli_chr04	34280644	CC	TT	1940305398
SNP_P1_77069_34283148	NC_021163.1	Ca_kabuli_chr04	34283148	AA	CC	1940305400
SNP_P1_77070_34286726	NC_021163.1	Ca_kabuli_chr04	34286726	CC	TT	1940305401
SNP_P1_77071_34286807	NC_021163.1	Ca_kabuli_chr04	34286807	CC	TT	1940305403
SNP_P1_77072_34287065	NC_021163.1	Ca_kabuli_chr04	34287065	TT	AA	1940305405
SNP_P1_77073_34288364	NC_021163.1	Ca_kabuli_chr04	34288364	CC	TT	1940305406
SNP_P1_77074_34291370	NC_021163.1	Ca_kabuli_chr04	34291370	CC	AA	1940305408
SNP_P1_77075_34292527	NC_021163.1	Ca_kabuli_chr04	34292527	TT	CC	1940305410
SNP_P1_77076_34293058	NC_021163.1	Ca_kabuli_chr04	34293058	TT	CC	1940305411
SNP_P1_77077_34293079	NC_021163.1	Ca_kabuli_chr04	34293079	TT	CC	1940305413
SNP_P1_77079_34294430	NC_021163.1	Ca_kabuli_chr04	34294430	AA	GG	1940305415
SNP_P1_77080_34294904	NC_021163.1	Ca_kabuli_chr04	34294904	GG	AA	1940305416
SNP_P1_77081_34301574	NC_021163.1	Ca_kabuli_chr04	34301574	CC	TT	1940305418
SNP_P1_77082_34302300	NC_021163.1	Ca_kabuli_chr04	34302300	AA	CC	1940305420
SNP_P1_77083_34308484	NC_021163.1	Ca_kabuli_chr04	34308484	GG	AA	1940305421
SNP_P1_77084_34312150	NC_021163.1	Ca_kabuli_chr04	34312150	CC	TT	1940305423
SNP_P1_77085_34315467	NC_021163.1	Ca_kabuli_chr04	34315467	AA	TT	1940305425
SNP_P1_77086_34319362	NC_021163.1	Ca_kabuli_chr04	34319362	AA	GG	1940305426
SNP_P1_77088_34323774	NC_021163.1	Ca_kabuli_chr04	34323774	GG	CC	1940305428
SNP_P1_77089_34324075	NC_021163.1	Ca_kabuli_chr04	34324075	TT	CC	1940305430
SNP_P1_77091_34329488	NC_021163.1	Ca_kabuli_chr04	34329488	CC	AA	1940305431
SNP_P1_77093_34331676	NC_021163.1	Ca_kabuli_chr04	34331676	AA	GG	1940305433
SNP_P1_77094_34331712	NC_021163.1	Ca_kabuli_chr04	34331712	TT	AA	1940305435
SNP_P1_77095_34332957	NC_021163.1	Ca_kabuli_chr04	34332957	TT	CC	1940305436
SNP_P1_77097_34343711	NC_021163.1	Ca_kabuli_chr04	34343711	AA	GG	1940305438
SNP_P1_77099_34351525	NC_021163.1	Ca_kabuli_chr04	34351525	AA	GG	1940305440

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77101_34362539	NC_021163.1	Ca_kabuli_chr04	34362539	TT	AA	1940305443
SNP_P1_77103_34369186	NC_021163.1	Ca_kabuli_chr04	34369186	CC	GG	1940305445
SNP_P1_77104_34374353	NC_021163.1	Ca_kabuli_chr04	34374353	AA	TT	1940305446
SNP_P1_77106_34375363	NC_021163.1	Ca_kabuli_chr04	34375363	GG	AA	1940305448
SNP_P1_77107_34375718	NC_021163.1	Ca_kabuli_chr04	34375718	TT	GG	1940305450
SNP_P1_77108_34376752	NC_021163.1	Ca_kabuli_chr04	34376752	CC	TT	1940305451
SNP_P1_77110_34380127	NC_021163.1	Ca_kabuli_chr04	34380127	CC	TT	1940305453
SNP_P1_77112_34384813	NC_021163.1	Ca_kabuli_chr04	34384813	CC	TT	1940305455
SNP_P1_77113_34384824	NC_021163.1	Ca_kabuli_chr04	34384824	CC	AA	1940305456
SNP_P1_77114_34385140	NC_021163.1	Ca_kabuli_chr04	34385140	TT	CC	1940305458
SNP_P1_77115_34387715	NC_021163.1	Ca_kabuli_chr04	34387715	TT	CC	1940305460
SNP_P1_77116_34387803	NC_021163.1	Ca_kabuli_chr04	34387803	AA	CC	1940305461
SNP_P1_77117_34387924	NC_021163.1	Ca_kabuli_chr04	34387924	CC	TT	1940305463
SNP_P1_77118_34387996	NC_021163.1	Ca_kabuli_chr04	34387996	TT	GG	1940305464
SNP_P1_77121_34389100	NC_021163.1	Ca_kabuli_chr04	34389100	AA	GG	1940305466
SNP_P1_77122_34390975	NC_021163.1	Ca_kabuli_chr04	34390975	GG	TT	1940305468
SNP_P1_77124_34392902	NC_021163.1	Ca_kabuli_chr04	34392902	AA	CC	1940305469
SNP_P1_77126_34394032	NC_021163.1	Ca_kabuli_chr04	34394032	AA	GG	1940305471
SNP_P1_77127_34395064	NC_021163.1	Ca_kabuli_chr04	34395064	GG	AA	1940305473
SNP_P1_77128_34401463	NC_021163.1	Ca_kabuli_chr04	34401463	GG	AA	1940305474
SNP_P1_77129_34401714	NC_021163.1	Ca_kabuli_chr04	34401714	CC	TT	1940305476
SNP_P1_77130_34405475	NC_021163.1	Ca_kabuli_chr04	34405475	TT	AA	1940305478
SNP_P1_77131_34409051	NC_021163.1	Ca_kabuli_chr04	34409051	GG	AA	1940305479
SNP_P1_77132_34409486	NC_021163.1	Ca_kabuli_chr04	34409486	AA	GG	1940305481
SNP_P1_77133_34409541	NC_021163.1	Ca_kabuli_chr04	34409541	AA	GG	1940305483
SNP_P1_77134_34412645	NC_021163.1	Ca_kabuli_chr04	34412645	TT	CC	1940305484
SNP_P1_77136_34413962	NC_021163.1	Ca_kabuli_chr04	34413962	CC	TT	1940305486
SNP_P1_77137_34414942	NC_021163.1	Ca_kabuli_chr04	34414942	GG	AA	1940305488
SNP_P1_77138_34415173	NC_021163.1	Ca_kabuli_chr04	34415173	AA	TT	1940305489
SNP_P1_77139_34415433	NC_021163.1	Ca_kabuli_chr04	34415433	GG	TT	1940305491
SNP_P1_77141_34419026	NC_021163.1	Ca_kabuli_chr04	34419026	GG	AA	1940305493
SNP_P1_77142_34420159	NC_021163.1	Ca_kabuli_chr04	34420159	AA	GG	1940305494
SNP_P1_77143_34421183	NC_021163.1	Ca_kabuli_chr04	34421183	GG	AA	1940305496
SNP_P1_77144_34421449	NC_021163.1	Ca_kabuli_chr04	34421449	TT	CC	1940305498
SNP_P1_77145_34421547	NC_021163.1	Ca_kabuli_chr04	34421547	AA	TT	1940305499
SNP_P1_77146_34421726	NC_021163.1	Ca_kabuli_chr04	34421726	CC	AA	1940305501
SNP_P1_77147_34422811	NC_021163.1	Ca_kabuli_chr04	34422811	CC	GG	1940305503
SNP_P1_77148_34423282	NC_021163.1	Ca_kabuli_chr04	34423282	CC	TT	1940305504
SNP_P1_77149_34424020	NC_021163.1	Ca_kabuli_chr04	34424020	TT	CC	1940305506
SNP_P1_77150_34430231	NC_021163.1	Ca_kabuli_chr04	34430231	AA	GG	1940305508
SNP_P1_77151_34430364	NC_021163.1	Ca_kabuli_chr04	34430364	AA	GG	1940305509

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77153_34431258	NC_021163.1	Ca_kabuli_chr04	34431258	CC	TT	1940305513
SNP_P1_77154_34431544	NC_021163.1	Ca_kabuli_chr04	34431544	AA	TT	1940305514
SNP_P1_77155_34432940	NC_021163.1	Ca_kabuli_chr04	34432940	TT	CC	1940305516
SNP_P1_77156_34442355	NC_021163.1	Ca_kabuli_chr04	34442355	TT	CC	1940305518
SNP_P1_77157_34442382	NC_021163.1	Ca_kabuli_chr04	34442382	TT	CC	1940305519
SNP_P1_77158_34442705	NC_021163.1	Ca_kabuli_chr04	34442705	TT	CC	1940305521
SNP_P1_77159_34446220	NC_021163.1	Ca_kabuli_chr04	34446220	TT	CC	1940305523
SNP_P1_77160_34446825	NC_021163.1	Ca_kabuli_chr04	34446825	AA	GG	1940305524
SNP_P1_77161_34449078	NC_021163.1	Ca_kabuli_chr04	34449078	TT	AA	1940305526
SNP_P1_77162_34449401	NC_021163.1	Ca_kabuli_chr04	34449401	GG	AA	1940305528
SNP_P1_77163_34455265	NC_021163.1	Ca_kabuli_chr04	34455265	TT	CC	1940305529
SNP_P1_77165_34464401	NC_021163.1	Ca_kabuli_chr04	34464401	TT	CC	1940305531
SNP_P1_77166_34468114	NC_021163.1	Ca_kabuli_chr04	34468114	AA	CC	1940305533
SNP_P1_77167_34468315	NC_021163.1	Ca_kabuli_chr04	34468315	AA	GG	1940305534
SNP_P1_77168_34472342	NC_021163.1	Ca_kabuli_chr04	34472342	TT	CC	1940305536
SNP_P1_77172_34476505	NC_021163.1	Ca_kabuli_chr04	34476505	CC	TT	1940305538
SNP_P1_77173_34482247	NC_021163.1	Ca_kabuli_chr04	34482247	TT	CC	1940305539
SNP_P1_77175_34486034	NC_021163.1	Ca_kabuli_chr04	34486034	CC	TT	1940305541
SNP_P1_77176_34486983	NC_021163.1	Ca_kabuli_chr04	34486983	GG	AA	1940305543
SNP_P1_77177_34490160	NC_021163.1	Ca_kabuli_chr04	34490160	AA	GG	1940305544
SNP_P1_77179_34493325	NC_021163.1	Ca_kabuli_chr04	34493325	CC	TT	1940305546
SNP_P1_77180_34494698	NC_021163.1	Ca_kabuli_chr04	34494698	TT	GG	1940305548
SNP_P1_77182_34495700	NC_021163.1	Ca_kabuli_chr04	34495700	CC	AA	1940305549
SNP_P1_77183_34496956	NC_021163.1	Ca_kabuli_chr04	34496956	CC	TT	1940305551
SNP_P1_77184_34503497	NC_021163.1	Ca_kabuli_chr04	34503497	AA	GG	1940305552
SNP_P1_77185_34503637	NC_021163.1	Ca_kabuli_chr04	34503637	CC	TT	1940305554
SNP_P1_77186_34503644	NC_021163.1	Ca_kabuli_chr04	34503644	AA	GG	1940305556
SNP_P1_77187_34503797	NC_021163.1	Ca_kabuli_chr04	34503797	CC	TT	1940305557
SNP_P1_77188_34503867	NC_021163.1	Ca_kabuli_chr04	34503867	GG	TT	1940305559
SNP_P1_77189_34505315	NC_021163.1	Ca_kabuli_chr04	34505315	GG	AA	1940305561
SNP_P1_77190_34506154	NC_021163.1	Ca_kabuli_chr04	34506154	AA	GG	1940305562
SNP_P1_77191_34513411	NC_021163.1	Ca_kabuli_chr04	34513411	AA	GG	1940305564
SNP_P1_77192_34515810	NC_021163.1	Ca_kabuli_chr04	34515810	TT	CC	1940305566
SNP_P1_77195_34517090	NC_021163.1	Ca_kabuli_chr04	34517090	AA	CC	1940305567
SNP_P1_77196_34517091	NC_021163.1	Ca_kabuli_chr04	34517091	GG	CC	1940305569
SNP_P1_77198_34520614	NC_021163.1	Ca_kabuli_chr04	34520614	TT	AA	1940305571
SNP_P1_77199_34520659	NC_021163.1	Ca_kabuli_chr04	34520659	CC	GG	1940305572
SNP_P1_77200_34520775	NC_021163.1	Ca_kabuli_chr04	34520775	AA	TT	1940305574
SNP_P1_77201_34520848	NC_021163.1	Ca_kabuli_chr04	34520848	TT	AA	1940305576
SNP_P1_77202_34520878	NC_021163.1	Ca_kabuli_chr04	34520878	TT	CC	1940305577
SNP_P1_77203_34520914	NC_021163.1	Ca_kabuli_chr04	34520914	TT	AA	1940305579

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77205_34520947	NC_021163.1	Ca_kabuli_chr04	34520947	TT	CC	1940305582
SNP_P1_77206_34524891	NC_021163.1	Ca_kabuli_chr04	34524891	CC	AA	1940305584
SNP_P1_77207_34525236	NC_021163.1	Ca_kabuli_chr04	34525236	TT	CC	1940305586
SNP_P1_77208_34525277	NC_021163.1	Ca_kabuli_chr04	34525277	TT	GG	1940305587
SNP_P1_77210_34526980	NC_021163.1	Ca_kabuli_chr04	34526980	AA	GG	1940305589
SNP_P1_77211_34527008	NC_021163.1	Ca_kabuli_chr04	34527008	AA	GG	1940305591
SNP_P1_77212_34527026	NC_021163.1	Ca_kabuli_chr04	34527026	AA	GG	1940305592
SNP_P1_77213_34528837	NC_021163.1	Ca_kabuli_chr04	34528837	GG	CC	1940305594
SNP_P1_77214_34554685	NC_021163.1	Ca_kabuli_chr04	34554685	CC	GG	1940305596
SNP_P1_77215_34557521	NC_021163.1	Ca_kabuli_chr04	34557521	AA	CC	1940305597
SNP_P1_77216_34557522	NC_021163.1	Ca_kabuli_chr04	34557522	AA	CC	1940305599
SNP_P1_77217_34566166	NC_021163.1	Ca_kabuli_chr04	34566166	CC	TT	1940305601
SNP_P1_77219_34566308	NC_021163.1	Ca_kabuli_chr04	34566308	TT	AA	1940305602
SNP_P1_77221_34566765	NC_021163.1	Ca_kabuli_chr04	34566765	AA	CC	1940305604
SNP_P1_77222_34566767	NC_021163.1	Ca_kabuli_chr04	34566767	CC	TT	1940305606
SNP_P1_77223_34568236	NC_021163.1	Ca_kabuli_chr04	34568236	TT	AA	1940305607
SNP_P1_77224_34570263	NC_021163.1	Ca_kabuli_chr04	34570263	CC	AA	1940305609
SNP_P1_77225_34571667	NC_021163.1	Ca_kabuli_chr04	34571667	TT	AA	1940305611
SNP_P1_77226_34581100	NC_021163.1	Ca_kabuli_chr04	34581100	CC	TT	1940305612
SNP_P1_77227_34581119	NC_021163.1	Ca_kabuli_chr04	34581119	CC	TT	1940305614
SNP_P1_77228_34581130	NC_021163.1	Ca_kabuli_chr04	34581130	GG	TT	1940305616
SNP_P1_77229_34582049	NC_021163.1	Ca_kabuli_chr04	34582049	TT	CC	1940305617
SNP_P1_77230_34582058	NC_021163.1	Ca_kabuli_chr04	34582058	GG	AA	1940305619
SNP_P1_77231_34582083	NC_021163.1	Ca_kabuli_chr04	34582083	CC	GG	1940305621
SNP_P1_77232_34582114	NC_021163.1	Ca_kabuli_chr04	34582114	CC	TT	1940305622
SNP_P1_77233_34582191	NC_021163.1	Ca_kabuli_chr04	34582191	TT	CC	1940305624
SNP_P1_77234_34582205	NC_021163.1	Ca_kabuli_chr04	34582205	TT	AA	1940305626
SNP_P1_77235_34582509	NC_021163.1	Ca_kabuli_chr04	34582509	CC	TT	1940305627
SNP_P1_77236_34582540	NC_021163.1	Ca_kabuli_chr04	34582540	TT	CC	1940305629
SNP_P1_77237_34582570	NC_021163.1	Ca_kabuli_chr04	34582570	CC	AA	1940305631
SNP_P1_77238_34582594	NC_021163.1	Ca_kabuli_chr04	34582594	TT	GG	1940305632
SNP_P1_77239_34586267	NC_021163.1	Ca_kabuli_chr04	34586267	CC	GG	1940305634
SNP_P1_77240_34586286	NC_021163.1	Ca_kabuli_chr04	34586286	GG	AA	1940305636
SNP_P1_77241_34586350	NC_021163.1	Ca_kabuli_chr04	34586350	CC	TT	1940305637
SNP_P1_77242_34586351	NC_021163.1	Ca_kabuli_chr04	34586351	AA	TT	1940305639
SNP_P1_77243_34586356	NC_021163.1	Ca_kabuli_chr04	34586356	CC	TT	1940305640
SNP_P1_77244_34586566	NC_021163.1	Ca_kabuli_chr04	34586566	AA	GG	1940305642
SNP_P1_77245_34586570	NC_021163.1	Ca_kabuli_chr04	34586570	AA	TT	1940305644
SNP_P1_77246_34586638	NC_021163.1	Ca_kabuli_chr04	34586638	GG	AA	1940305645
SNP_P1_77247_34586657	NC_021163.1	Ca_kabuli_chr04	34586657	TT	GG	1940305647
SNP_P1_77248_34586668	NC_021163.1	Ca_kabuli_chr04	34586668	AA	CC	1940305649

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77251_34586762	NC_021163.1	Ca_kabuli_chr04	34586762	CC	TT	1940305654
SNP_P1_77252_34586792	NC_021163.1	Ca_kabuli_chr04	34586792	TT	AA	1940305655
SNP_P1_77253_34587220	NC_021163.1	Ca_kabuli_chr04	34587220	TT	AA	1940305657
SNP_P1_77254_34587221	NC_021163.1	Ca_kabuli_chr04	34587221	CC	AA	1940305659
SNP_P1_77255_34587250	NC_021163.1	Ca_kabuli_chr04	34587250	CC	GG	1940305660
SNP_P1_77256_34588023	NC_021163.1	Ca_kabuli_chr04	34588023	GG	CC	1940305662
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SNP_P1_77259_34588670	NC_021163.1	Ca_kabuli_chr04	34588670	GG	AA	1940305667
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SNP_P1_77261_34588696	NC_021163.1	Ca_kabuli_chr04	34588696	GG	CC	1940305670
SNP_P1_77262_34588959	NC_021163.1	Ca_kabuli_chr04	34588959	GG	TT	1940305672
SNP_P1_77263_34588960	NC_021163.1	Ca_kabuli_chr04	34588960	TT	CC	1940305674
SNP_P1_77264_34589132	NC_021163.1	Ca_kabuli_chr04	34589132	GG	AA	1940305675
SNP_P1_77265_34589800	NC_021163.1	Ca_kabuli_chr04	34589800	GG	CC	1940305677
SNP_P1_77266_34590430	NC_021163.1	Ca_kabuli_chr04	34590430	TT	CC	1940305679
SNP_P1_77267_34590446	NC_021163.1	Ca_kabuli_chr04	34590446	TT	CC	1940305680
SNP_P1_77268_34590510	NC_021163.1	Ca_kabuli_chr04	34590510	TT	AA	1940305682
SNP_P1_77269_34590511	NC_021163.1	Ca_kabuli_chr04	34590511	AA	GG	1940305684
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SNP_P1_77271_34590761	NC_021163.1	Ca_kabuli_chr04	34590761	AA	GG	1940305687
SNP_P1_77272_34590806	NC_021163.1	Ca_kabuli_chr04	34590806	CC	AA	1940305689
SNP_P1_77273_34593140	NC_021163.1	Ca_kabuli_chr04	34593140	TT	AA	1940305690
SNP_P1_77274_34593382	NC_021163.1	Ca_kabuli_chr04	34593382	CC	GG	1940305692
SNP_P1_77275_34594648	NC_021163.1	Ca_kabuli_chr04	34594648	CC	AA	1940305694
SNP_P1_77276_34598732	NC_021163.1	Ca_kabuli_chr04	34598732	TT	GG	1940305695
SNP_P1_77277_34598842	NC_021163.1	Ca_kabuli_chr04	34598842	AA	TT	1940305697
SNP_P1_77278_34598862	NC_021163.1	Ca_kabuli_chr04	34598862	AA	GG	1940305699
SNP_P1_77279_34598904	NC_021163.1	Ca_kabuli_chr04	34598904	AA	TT	1940305700
SNP_P1_77280_34598994	NC_021163.1	Ca_kabuli_chr04	34598994	AA	GG	1940305702
SNP_P1_77282_34599117	NC_021163.1	Ca_kabuli_chr04	34599117	CC	AA	1940305704
SNP_P1_77283_34599239	NC_021163.1	Ca_kabuli_chr04	34599239	GG	CC	1940305705
SNP_P1_77285_34601854	NC_021163.1	Ca_kabuli_chr04	34601854	CC	TT	1940305707
SNP_P1_77286_34601884	NC_021163.1	Ca_kabuli_chr04	34601884	GG	TT	1940305709
SNP_P1_77287_34602247	NC_021163.1	Ca_kabuli_chr04	34602247	TT	GG	1940305710
SNP_P1_77288_34602268	NC_021163.1	Ca_kabuli_chr04	34602268	GG	CC	1940305712
SNP_P1_77289_34602273	NC_021163.1	Ca_kabuli_chr04	34602273	CC	AA	1940305714
SNP_P1_77291_34605209	NC_021163.1	Ca_kabuli_chr04	34605209	GG	TT	1940305715
SNP_P1_77292_34607367	NC_021163.1	Ca_kabuli_chr04	34607367	GG	TT	1940305717
SNP_P1_77293_34607774	NC_021163.1	Ca_kabuli_chr04	34607774	TT	AA	1940305719

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_77294_34614429	NC_021163.1	Ca_kabuli_chr04	34614429	AA	TT	1940305720
SNP_P1_77295_34621494	NC_021163.1	Ca_kabuli_chr04	34621494	AA	TT	1940305722
SNP_P1_77296_34621791	NC_021163.1	Ca_kabuli_chr04	34621791	TT	GG	1940305724
SNP_P1_77297_34621804	NC_021163.1	Ca_kabuli_chr04	34621804	AA	GG	1940305725
SNP_P1_77298_34623711	NC_021163.1	Ca_kabuli_chr04	34623711	TT	CC	1940305727
SNP_P1_77300_34631898	NC_021163.1	Ca_kabuli_chr04	34631898	TT	AA	1940305729
SNP_P1_77301_34631910	NC_021163.1	Ca_kabuli_chr04	34631910	CC	AA	1940305730
SNP_P1_77302_34631916	NC_021163.1	Ca_kabuli_chr04	34631916	CC	TT	1940305732
SNP_P1_77303_34631918	NC_021163.1	Ca_kabuli_chr04	34631918	CC	AA	1940305734
SNP_P1_77304_34631921	NC_021163.1	Ca_kabuli_chr04	34631921	CC	TT	1940305735
SNP_P1_77305_34636565	NC_021163.1	Ca_kabuli_chr04	34636565	CC	TT	1940305737
SNP_P1_77306_34647722	NC_021163.1	Ca_kabuli_chr04	34647722	AA	GG	1940305739
SNP_P1_77308_34655472	NC_021163.1	Ca_kabuli_chr04	34655472	GG	CC	1940305740
SNP_P1_77309_34664356	NC_021163.1	Ca_kabuli_chr04	34664356	CC	TT	1940305742
SNP_P1_77310_34664810	NC_021163.1	Ca_kabuli_chr04	34664810	AA	GG	1940305744
SNP_P1_77311_34664977	NC_021163.1	Ca_kabuli_chr04	34664977	CC	TT	1940305745
SNP_P1_77312_34664986	NC_021163.1	Ca_kabuli_chr04	34664986	AA	GG	1940305747
SNP_P1_77313_34665252	NC_021163.1	Ca_kabuli_chr04	34665252	CC	TT	1940305749
SNP_P1_77314_34667089	NC_021163.1	Ca_kabuli_chr04	34667089	TT	AA	1940305750
SNP_P1_77315_34667113	NC_021163.1	Ca_kabuli_chr04	34667113	TT	CC	1940305752
SNP_P1_77316_34667414	NC_021163.1	Ca_kabuli_chr04	34667414	AA	GG	1940305754
SNP_P1_77317_34667445	NC_021163.1	Ca_kabuli_chr04	34667445	CC	TT	1940305755
SNP_P1_77318_34674952	NC_021163.1	Ca_kabuli_chr04	34674952	AA	TT	1940305757
SNP_P1_77319_34683556	NC_021163.1	Ca_kabuli_chr04	34683556	AA	GG	1940305759
SNP_P1_77320_34683645	NC_021163.1	Ca_kabuli_chr04	34683645	GG	AA	1940305760
SNP_P1_77321_34683690	NC_021163.1	Ca_kabuli_chr04	34683690	TT	CC	1940305762
SNP_P1_77322_34683694	NC_021163.1	Ca_kabuli_chr04	34683694	GG	AA	1940305764
SNP_P1_77323_34684107	NC_021163.1	Ca_kabuli_chr04	34684107	GG	AA	1940305765
SNP_P1_77324_34691778	NC_021163.1	Ca_kabuli_chr04	34691778	CC	TT	1940305767
SNP_P1_77325_34691779	NC_021163.1	Ca_kabuli_chr04	34691779	AA	TT	1940305769
SNP_P1_77326_34695106	NC_021163.1	Ca_kabuli_chr04	34695106	CC	TT	1940305770
SNP_P1_77327_34702977	NC_021163.1	Ca_kabuli_chr04	34702977	CC	AA	1940305772
SNP_P1_77328_34704215	NC_021163.1	Ca_kabuli_chr04	34704215	TT	CC	1940305774
SNP_P1_77329_34704245	NC_021163.1	Ca_kabuli_chr04	34704245	TT	CC	1940305775
SNP_P1_77330_34704249	NC_021163.1	Ca_kabuli_chr04	34704249	CC	GG	1940305777
SNP_P1_77331_34704436	NC_021163.1	Ca_kabuli_chr04	34704436	TT	CC	1940305779
SNP_P1_77332_34711432	NC_021163.1	Ca_kabuli_chr04	34711432	GG	TT	1940305780
SNP_P1_77333_34711439	NC_021163.1	Ca_kabuli_chr04	34711439	GG	AA	1940305782
SNP_P1_77334_34712359	NC_021163.1	Ca_kabuli_chr04	34712359	TT	AA	1940305784
SNP_P1_77335_34712472	NC_021163.1	Ca_kabuli_chr04	34712472	TT	AA	1940305785
SNP_P1_77336_34712524	NC_021163.1	Ca_kabuli_chr04	34712524	TT	CC	1940305787
SNP_P1_77337_34712553	NC_021163.1	Ca_kabuli_chr04	34712553	TT	CC	1940305789

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77339_34712775	NC_021163.1	Ca_kabuli_chr04	34712775	GG	CC	1940305792
SNP_P1_77340_34717211	NC_021163.1	Ca_kabuli_chr04	34717211	CC	TT	1940305793
SNP_P1_77341_34721347	NC_021163.1	Ca_kabuli_chr04	34721347	CC	AA	1940305795
SNP_P1_77342_34731645	NC_021163.1	Ca_kabuli_chr04	34731645	AA	GG	1940305797
SNP_P1_77343_34774008	NC_021163.1	Ca_kabuli_chr04	34774008	AA	TT	1940305798
SNP_P1_77344_34774264	NC_021163.1	Ca_kabuli_chr04	34774264	AA	CC	1940305800
SNP_P1_77345_34778663	NC_021163.1	Ca_kabuli_chr04	34778663	CC	TT	1940305802
SNP_P1_77346_34783598	NC_021163.1	Ca_kabuli_chr04	34783598	GG	AA	1940305803
SNP_P1_77347_34792830	NC_021163.1	Ca_kabuli_chr04	34792830	TT	CC	1940305805
SNP_P1_77348_34831892	NC_021163.1	Ca_kabuli_chr04	34831892	AA	GG	1940305807
SNP_P1_77349_34831905	NC_021163.1	Ca_kabuli_chr04	34831905	AA	TT	1940305808
SNP_P1_77350_34831908	NC_021163.1	Ca_kabuli_chr04	34831908	AA	GG	1940305810
SNP_P1_77351_34831909	NC_021163.1	Ca_kabuli_chr04	34831909	CC	TT	1940305812
SNP_P1_77352_34831922	NC_021163.1	Ca_kabuli_chr04	34831922	CC	TT	1940305813
SNP_P1_77353_34833971	NC_021163.1	Ca_kabuli_chr04	34833971	AA	GG	1940305815
SNP_P1_77354_34834395	NC_021163.1	Ca_kabuli_chr04	34834395	TT	CC	1940305817
SNP_P1_77355_34834565	NC_021163.1	Ca_kabuli_chr04	34834565	TT	CC	1940305818
SNP_P1_77356_34834569	NC_021163.1	Ca_kabuli_chr04	34834569	AA	GG	1940305820
SNP_P1_77357_34834582	NC_021163.1	Ca_kabuli_chr04	34834582	CC	AA	1940305822
SNP_P1_77358_34844326	NC_021163.1	Ca_kabuli_chr04	34844326	GG	AA	1940305823
SNP_P1_77359_34874516	NC_021163.1	Ca_kabuli_chr04	34874516	CC	TT	1940305825
SNP_P1_77360_34879073	NC_021163.1	Ca_kabuli_chr04	34879073	TT	CC	1940305827
SNP_P1_77361_34883315	NC_021163.1	Ca_kabuli_chr04	34883315	TT	CC	1940305828
SNP_P1_77362_34883316	NC_021163.1	Ca_kabuli_chr04	34883316	TT	CC	1940305830
SNP_P1_77363_34883320	NC_021163.1	Ca_kabuli_chr04	34883320	CC	TT	1940305832
SNP_P1_77364_34883366	NC_021163.1	Ca_kabuli_chr04	34883366	AA	GG	1940305833
SNP_P1_77365_34883416	NC_021163.1	Ca_kabuli_chr04	34883416	AA	GG	1940305835
SNP_P1_77366_34883420	NC_021163.1	Ca_kabuli_chr04	34883420	TT	CC	1940305837
SNP_P1_77367_34883427	NC_021163.1	Ca_kabuli_chr04	34883427	TT	CC	1940305838
SNP_P1_77368_34883461	NC_021163.1	Ca_kabuli_chr04	34883461	AA	GG	1940305840
SNP_P1_77369_34883508	NC_021163.1	Ca_kabuli_chr04	34883508	TT	GG	1940305842
SNP_P1_77370_34883519	NC_021163.1	Ca_kabuli_chr04	34883519	TT	CC	1940305843
SNP_P1_77371_34883526	NC_021163.1	Ca_kabuli_chr04	34883526	TT	CC	1940305845
SNP_P1_77372_34883528	NC_021163.1	Ca_kabuli_chr04	34883528	CC	TT	1940305847
SNP_P1_77373_34883539	NC_021163.1	Ca_kabuli_chr04	34883539	TT	CC	1940305848
SNP_P1_77374_34883604	NC_021163.1	Ca_kabuli_chr04	34883604	AA	GG	1940305850
SNP_P1_77375_34883620	NC_021163.1	Ca_kabuli_chr04	34883620	AA	GG	1940305852
SNP_P1_77376_34883627	NC_021163.1	Ca_kabuli_chr04	34883627	AA	GG	1940305853
SNP_P1_77377_34883652	NC_021163.1	Ca_kabuli_chr04	34883652	AA	GG	1940305855
SNP_P1_77378_34883663	NC_021163.1	Ca_kabuli_chr04	34883663	AA	GG	1940305857
SNP_P1_77379_34883671	NC_021163.1	Ca_kabuli_chr04	34883671	AA	GG	1940305858

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77381_34883724	NC_021163.1	Ca_kabuli_chr04	34883724	AA	CC	1940305862
SNP_P1_77382_34883727	NC_021163.1	Ca_kabuli_chr04	34883727	TT	AA	1940305863
SNP_P1_77383_34883734	NC_021163.1	Ca_kabuli_chr04	34883734	AA	GG	1940305865
SNP_P1_77384_34883750	NC_021163.1	Ca_kabuli_chr04	34883750	TT	AA	1940305867
SNP_P1_77385_34883768	NC_021163.1	Ca_kabuli_chr04	34883768	GG	AA	1940305868
SNP_P1_77386_34883796	NC_021163.1	Ca_kabuli_chr04	34883796	TT	GG	1940305870
SNP_P1_77387_34883820	NC_021163.1	Ca_kabuli_chr04	34883820	TT	GG	1940305872
SNP_P1_77388_34883858	NC_021163.1	Ca_kabuli_chr04	34883858	AA	GG	1940305873
SNP_P1_77389_34883885	NC_021163.1	Ca_kabuli_chr04	34883885	TT	AA	1940305875
SNP_P1_77390_34883887	NC_021163.1	Ca_kabuli_chr04	34883887	TT	CC	1940305877
SNP_P1_77391_34883893	NC_021163.1	Ca_kabuli_chr04	34883893	TT	AA	1940305878
SNP_P1_77392_34883941	NC_021163.1	Ca_kabuli_chr04	34883941	CC	AA	1940305880
SNP_P1_77393_34883945	NC_021163.1	Ca_kabuli_chr04	34883945	GG	AA	1940305882
SNP_P1_77394_34883960	NC_021163.1	Ca_kabuli_chr04	34883960	AA	GG	1940305883
SNP_P1_77395_34883965	NC_021163.1	Ca_kabuli_chr04	34883965	TT	GG	1940305885
SNP_P1_77396_34883996	NC_021163.1	Ca_kabuli_chr04	34883996	AA	TT	1940305887
SNP_P1_77397_34884038	NC_021163.1	Ca_kabuli_chr04	34884038	AA	GG	1940305888
SNP_P1_77398_34884092	NC_021163.1	Ca_kabuli_chr04	34884092	TT	GG	1940305890
SNP_P1_77399_34884096	NC_021163.1	Ca_kabuli_chr04	34884096	CC	TT	1940305892
SNP_P1_77400_34884112	NC_021163.1	Ca_kabuli_chr04	34884112	TT	CC	1940305893
SNP_P1_77401_34884536	NC_021163.1	Ca_kabuli_chr04	34884536	CC	TT	1940305895
SNP_P1_77402_34884558	NC_021163.1	Ca_kabuli_chr04	34884558	TT	GG	1940305897
SNP_P1_77403_34884586	NC_021163.1	Ca_kabuli_chr04	34884586	TT	CC	1940305898
SNP_P1_77404_34884594	NC_021163.1	Ca_kabuli_chr04	34884594	AA	TT	1940305900
SNP_P1_77405_34884646	NC_021163.1	Ca_kabuli_chr04	34884646	TT	CC	1940305902
SNP_P1_77406_34884668	NC_021163.1	Ca_kabuli_chr04	34884668	TT	CC	1940305903
SNP_P1_77407_34884737	NC_021163.1	Ca_kabuli_chr04	34884737	AA	TT	1940305905
SNP_P1_77409_34894072	NC_021163.1	Ca_kabuli_chr04	34894072	CC	TT	1940305907
SNP_P1_77410_34897889	NC_021163.1	Ca_kabuli_chr04	34897889	GG	CC	1940305908
SNP_P1_77411_34902938	NC_021163.1	Ca_kabuli_chr04	34902938	GG	AA	1940305910
SNP_P1_77412_34902955	NC_021163.1	Ca_kabuli_chr04	34902955	AA	TT	1940305912
SNP_P1_77413_34902963	NC_021163.1	Ca_kabuli_chr04	34902963	CC	TT	1940305913
SNP_P1_77414_34910402	NC_021163.1	Ca_kabuli_chr04	34910402	CC	TT	1940305915
SNP_P1_77415_34910846	NC_021163.1	Ca_kabuli_chr04	34910846	AA	GG	1940305917
SNP_P1_77416_34912961	NC_021163.1	Ca_kabuli_chr04	34912961	CC	TT	1940305918
SNP_P1_77417_34912990	NC_021163.1	Ca_kabuli_chr04	34912990	TT	CC	1940305920
SNP_P1_77418_34913083	NC_021163.1	Ca_kabuli_chr04	34913083	AA	GG	1940305922
SNP_P1_77419_34920873	NC_021163.1	Ca_kabuli_chr04	34920873	TT	AA	1940305923
SNP_P1_77420_34925529	NC_021163.1	Ca_kabuli_chr04	34925529	TT	AA	1940305925
SNP_P1_77421_34933818	NC_021163.1	Ca_kabuli_chr04	34933818	CC	AA	1940305927
SNP_P1_77422_34937139	NC_021163.1	Ca_kabuli_chr04	34937139	GG	AA	1940305928

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77424_34939945	NC_021163.1	Ca_kabuli_chr04	34939945	CC	TT	1940305932
SNP_P1_77426_34950906	NC_021163.1	Ca_kabuli_chr04	34950906	TT	CC	1940305933
SNP_P1_77427_34955174	NC_021163.1	Ca_kabuli_chr04	34955174	GG	TT	1940305935
SNP_P1_77428_34964961	NC_021163.1	Ca_kabuli_chr04	34964961	TT	AA	1940305937
SNP_P1_77430_34968864	NC_021163.1	Ca_kabuli_chr04	34968864	AA	GG	1940305938
SNP_P1_77431_34972094	NC_021163.1	Ca_kabuli_chr04	34972094	TT	GG	1940305940
SNP_P1_77432_34973955	NC_021163.1	Ca_kabuli_chr04	34973955	GG	AA	1940305942
SNP_P1_77433_34988258	NC_021163.1	Ca_kabuli_chr04	34988258	AA	GG	1940305943
SNP_P1_77434_35002930	NC_021163.1	Ca_kabuli_chr04	35002930	TT	CC	1940305945
SNP_P1_77435_35015551	NC_021163.1	Ca_kabuli_chr04	35015551	CC	GG	1940305947
SNP_P1_77436_35017812	NC_021163.1	Ca_kabuli_chr04	35017812	GG	AA	1940305948
SNP_P1_77437_35027994	NC_021163.1	Ca_kabuli_chr04	35027994	AA	GG	1940305950
SNP_P1_77438_35043751	NC_021163.1	Ca_kabuli_chr04	35043751	CC	TT	1940305952
SNP_P1_77439_35053421	NC_021163.1	Ca_kabuli_chr04	35053421	GG	AA	1940305953
SNP_P1_77440_35077066	NC_021163.1	Ca_kabuli_chr04	35077066	CC	TT	1940305955
SNP_P1_77441_35077127	NC_021163.1	Ca_kabuli_chr04	35077127	AA	CC	1940305957
SNP_P1_77442_35077390	NC_021163.1	Ca_kabuli_chr04	35077390	TT	CC	1940305959
SNP_P1_77443_35077593	NC_021163.1	Ca_kabuli_chr04	35077593	CC	AA	1940305960
SNP_P1_77444_35083657	NC_021163.1	Ca_kabuli_chr04	35083657	GG	TT	1940305962
SNP_P1_77445_35092096	NC_021163.1	Ca_kabuli_chr04	35092096	TT	AA	1940305964
SNP_P1_77446_35103396	NC_021163.1	Ca_kabuli_chr04	35103396	AA	GG	1940305965
SNP_P1_77448_35111353	NC_021163.1	Ca_kabuli_chr04	35111353	AA	CC	1940305967
SNP_P1_77449_35114825	NC_021163.1	Ca_kabuli_chr04	35114825	AA	CC	1940305969
SNP_P1_77450_35115012	NC_021163.1	Ca_kabuli_chr04	35115012	CC	AA	1940305970
SNP_P1_77451_35115086	NC_021163.1	Ca_kabuli_chr04	35115086	TT	CC	1940305972
SNP_P1_77452_35115117	NC_021163.1	Ca_kabuli_chr04	35115117	GG	AA	1940305974
SNP_P1_77453_35115161	NC_021163.1	Ca_kabuli_chr04	35115161	GG	AA	1940305975
SNP_P1_77454_35115163	NC_021163.1	Ca_kabuli_chr04	35115163	CC	TT	1940305977
SNP_P1_77455_35115181	NC_021163.1	Ca_kabuli_chr04	35115181	TT	CC	1940305979
SNP_P1_77456_35115209	NC_021163.1	Ca_kabuli_chr04	35115209	GG	AA	1940305980
SNP_P1_77457_35115215	NC_021163.1	Ca_kabuli_chr04	35115215	AA	CC	1940305982
SNP_P1_77458_35115248	NC_021163.1	Ca_kabuli_chr04	35115248	AA	GG	1940305984
SNP_P1_77459_35139446	NC_021163.1	Ca_kabuli_chr04	35139446	AA	TT	1940305985
SNP_P1_77460_35143667	NC_021163.1	Ca_kabuli_chr04	35143667	GG	AA	1940305987
SNP_P1_77461_35143733	NC_021163.1	Ca_kabuli_chr04	35143733	AA	GG	1940305989
SNP_P1_77462_35151300	NC_021163.1	Ca_kabuli_chr04	35151300	CC	TT	1940305990
SNP_P1_77463_35159174	NC_021163.1	Ca_kabuli_chr04	35159174	GG	AA	1940305992
SNP_P1_77464_35171237	NC_021163.1	Ca_kabuli_chr04	35171237	TT	CC	1940305994
SNP_P1_77465_35179267	NC_021163.1	Ca_kabuli_chr04	35179267	AA	TT	1940305995
SNP_P1_77466_35179273	NC_021163.1	Ca_kabuli_chr04	35179273	CC	TT	1940305997
SNP_P1_77467_35179285	NC_021163.1	Ca_kabuli_chr04	35179285	TT	AA	1940305999

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77469_35179714	NC_021163.1	Ca_kabuli_chr04	35179714	CC	AA	1940306002
SNP_P1_77470_35182318	NC_021163.1	Ca_kabuli_chr04	35182318	CC	TT	1940306004
SNP_P1_77471_35185386	NC_021163.1	Ca_kabuli_chr04	35185386	CC	TT	1940306005
SNP_P1_77472_35185483	NC_021163.1	Ca_kabuli_chr04	35185483	TT	CC	1940306007
SNP_P1_77473_35187464	NC_021163.1	Ca_kabuli_chr04	35187464	AA	GG	1940306009
SNP_P1_77474_35187517	NC_021163.1	Ca_kabuli_chr04	35187517	AA	TT	1940306010
SNP_P1_77475_35187536	NC_021163.1	Ca_kabuli_chr04	35187536	AA	TT	1940306012
SNP_P1_77476_35187553	NC_021163.1	Ca_kabuli_chr04	35187553	GG	TT	1940306014
SNP_P1_77477_35194731	NC_021163.1	Ca_kabuli_chr04	35194731	AA	GG	1940306015
SNP_P1_77478_35194805	NC_021163.1	Ca_kabuli_chr04	35194805	GG	AA	1940306017
SNP_P1_77479_35194807	NC_021163.1	Ca_kabuli_chr04	35194807	AA	TT	1940306019
SNP_P1_77480_35194809	NC_021163.1	Ca_kabuli_chr04	35194809	CC	AA	1940306020
SNP_P1_77481_35195297	NC_021163.1	Ca_kabuli_chr04	35195297	CC	TT	1940306022
SNP_P1_77482_35199282	NC_021163.1	Ca_kabuli_chr04	35199282	GG	TT	1940306024
SNP_P1_77484_35216176	NC_021163.1	Ca_kabuli_chr04	35216176	TT	AA	1940306025
SNP_P1_77486_35247595	NC_021163.1	Ca_kabuli_chr04	35247595	CC	TT	1940306027
SNP_P1_77487_35257617	NC_021163.1	Ca_kabuli_chr04	35257617	CC	AA	1940306029
SNP_P1_77488_35258030	NC_021163.1	Ca_kabuli_chr04	35258030	AA	CC	1940306030
SNP_P1_77489_35263289	NC_021163.1	Ca_kabuli_chr04	35263289	CC	AA	1940306032
SNP_P1_77490_35263301	NC_021163.1	Ca_kabuli_chr04	35263301	CC	TT	1940306034
SNP_P1_77491_35265121	NC_021163.1	Ca_kabuli_chr04	35265121	GG	AA	1940306035
SNP_P1_77492_35267781	NC_021163.1	Ca_kabuli_chr04	35267781	TT	GG	1940306037
SNP_P1_77493_35267787	NC_021163.1	Ca_kabuli_chr04	35267787	GG	CC	1940306039
SNP_P1_77494_35269857	NC_021163.1	Ca_kabuli_chr04	35269857	GG	CC	1940306040
SNP_P1_77495_35269858	NC_021163.1	Ca_kabuli_chr04	35269858	TT	AA	1940306042
SNP_P1_77496_35279705	NC_021163.1	Ca_kabuli_chr04	35279705	CC	TT	1940306044
SNP_P1_77497_35284433	NC_021163.1	Ca_kabuli_chr04	35284433	TT	AA	1940306045
SNP_P1_77499_35303884	NC_021163.1	Ca_kabuli_chr04	35303884	CC	AA	1940306047
SNP_P1_77500_35311346	NC_021163.1	Ca_kabuli_chr04	35311346	CC	TT	1940306049
SNP_P1_77502_35320735	NC_021163.1	Ca_kabuli_chr04	35320735	AA	GG	1940306050
SNP_P1_77503_35329300	NC_021163.1	Ca_kabuli_chr04	35329300	AA	CC	1940306052
SNP_P1_77504_35342329	NC_021163.1	Ca_kabuli_chr04	35342329	CC	TT	1940306054
SNP_P1_77505_35342386	NC_021163.1	Ca_kabuli_chr04	35342386	GG	AA	1940306055
SNP_P1_77506_35342521	NC_021163.1	Ca_kabuli_chr04	35342521	CC	TT	1940306057
SNP_P1_77507_35342701	NC_021163.1	Ca_kabuli_chr04	35342701	CC	TT	1940306059
SNP_P1_77508_35342724	NC_021163.1	Ca_kabuli_chr04	35342724	AA	GG	1940306060
SNP_P1_77509_35342814	NC_021163.1	Ca_kabuli_chr04	35342814	GG	AA	1940306062
SNP_P1_77510_35342858	NC_021163.1	Ca_kabuli_chr04	35342858	TT	CC	1940306064
SNP_P1_77511_35343493	NC_021163.1	Ca_kabuli_chr04	35343493	TT	CC	1940306065
SNP_P1_77513_35343904	NC_021163.1	Ca_kabuli_chr04	35343904	GG	AA	1940306067
SNP_P1_77514_35343917	NC_021163.1	Ca_kabuli_chr04	35343917	CC	TT	1940306069

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77516_35343974	NC_021163.1	Ca_kabuli_chr04	35343974	CC	TT	1940306072
SNP_P1_77517_35349896	NC_021163.1	Ca_kabuli_chr04	35349896	TT	GG	1940306074
SNP_P1_77518_35349898	NC_021163.1	Ca_kabuli_chr04	35349898	TT	CC	1940306075
SNP_P1_77521_35369564	NC_021163.1	Ca_kabuli_chr04	35369564	TT	GG	1940306077
SNP_P1_77522_35369722	NC_021163.1	Ca_kabuli_chr04	35369722	TT	CC	1940306079
SNP_P1_77523_35369742	NC_021163.1	Ca_kabuli_chr04	35369742	AA	GG	1940306080
SNP_P1_77524_35369779	NC_021163.1	Ca_kabuli_chr04	35369779	CC	GG	1940306082
SNP_P1_77525_35369780	NC_021163.1	Ca_kabuli_chr04	35369780	GG	AA	1940306084
SNP_P1_77527_35369899	NC_021163.1	Ca_kabuli_chr04	35369899	CC	TT	1940306085
SNP_P1_77528_35391647	NC_021163.1	Ca_kabuli_chr04	35391647	AA	GG	1940306087
SNP_P1_77529_35391910	NC_021163.1	Ca_kabuli_chr04	35391910	CC	AA	1940306089
SNP_P1_77530_35391918	NC_021163.1	Ca_kabuli_chr04	35391918	TT	GG	1940306090
SNP_P1_77531_35391930	NC_021163.1	Ca_kabuli_chr04	35391930	CC	TT	1940306092
SNP_P1_77532_35391939	NC_021163.1	Ca_kabuli_chr04	35391939	AA	TT	1940306094
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SNP_P1_77535_35430241	NC_021163.1	Ca_kabuli_chr04	35430241	GG	AA	1940306099
SNP_P1_77536_35430317	NC_021163.1	Ca_kabuli_chr04	35430317	GG	AA	1940306100
SNP_P1_77537_35430378	NC_021163.1	Ca_kabuli_chr04	35430378	GG	AA	1940306102
SNP_P1_77538_35430382	NC_021163.1	Ca_kabuli_chr04	35430382	TT	AA	1940306104
SNP_P1_77539_35430854	NC_021163.1	Ca_kabuli_chr04	35430854	TT	CC	1940306105
SNP_P1_77540_35430892	NC_021163.1	Ca_kabuli_chr04	35430892	TT	AA	1940306107
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SNP_P1_77543_35431538	NC_021163.1	Ca_kabuli_chr04	35431538	AA	CC	1940306112
SNP_P1_77544_35431567	NC_021163.1	Ca_kabuli_chr04	35431567	CC	GG	1940306114
SNP_P1_77545_35431680	NC_021163.1	Ca_kabuli_chr04	35431680	CC	AA	1940306115
SNP_P1_77546_35431816	NC_021163.1	Ca_kabuli_chr04	35431816	CC	TT	1940306117
SNP_P1_77547_35431897	NC_021163.1	Ca_kabuli_chr04	35431897	AA	CC	1940306119
SNP_P1_77548_35431910	NC_021163.1	Ca_kabuli_chr04	35431910	AA	GG	1940306120
SNP_P1_77549_35431944	NC_021163.1	Ca_kabuli_chr04	35431944	CC	AA	1940306122
SNP_P1_77550_35431977	NC_021163.1	Ca_kabuli_chr04	35431977	TT	CC	1940306124
SNP_P1_77551_35431995	NC_021163.1	Ca_kabuli_chr04	35431995	CC	TT	1940306125
SNP_P1_77553_35432022	NC_021163.1	Ca_kabuli_chr04	35432022	GG	AA	1940306127
SNP_P1_77554_35432082	NC_021163.1	Ca_kabuli_chr04	35432082	GG	AA	1940306129
SNP_P1_77555_35432335	NC_021163.1	Ca_kabuli_chr04	35432335	AA	GG	1940306130
SNP_P1_77556_35432465	NC_021163.1	Ca_kabuli_chr04	35432465	GG	AA	1940306132
SNP_P1_77557_35432506	NC_021163.1	Ca_kabuli_chr04	35432506	TT	CC	1940306134
SNP_P1_77558_35432513	NC_021163.1	Ca_kabuli_chr04	35432513	GG	CC	1940306135
SNP_P1_77559_35432547	NC_021163.1	Ca_kabuli_chr04	35432547	TT	CC	1940306137
SNP_P1_77560_35432552	NC_021163.1	Ca_kabuli_chr04	35432552	GG	AA	1940306139

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77562_35432599	NC_021163.1	Ca_kabuli_chr04	35432599	GG	TT	1940306142
SNP_P1_77563_35432683	NC_021163.1	Ca_kabuli_chr04	35432683	TT	GG	1940306144
SNP_P1_77564_35432763	NC_021163.1	Ca_kabuli_chr04	35432763	TT	GG	1940306145
SNP_P1_77565_35432814	NC_021163.1	Ca_kabuli_chr04	35432814	CC	TT	1940306147
SNP_P1_77566_35432824	NC_021163.1	Ca_kabuli_chr04	35432824	GG	AA	1940306149
SNP_P1_77568_35432884	NC_021163.1	Ca_kabuli_chr04	35432884	TT	GG	1940306150
SNP_P1_77570_35433183	NC_021163.1	Ca_kabuli_chr04	35433183	GG	TT	1940306152
SNP_P1_77572_35438295	NC_021163.1	Ca_kabuli_chr04	35438295	TT	CC	1940306154
SNP_P1_77573_35438419	NC_021163.1	Ca_kabuli_chr04	35438419	GG	AA	1940306155
SNP_P1_77575_35446156	NC_021163.1	Ca_kabuli_chr04	35446156	TT	AA	1940306157
SNP_P1_77576_35452728	NC_021163.1	Ca_kabuli_chr04	35452728	AA	CC	1940306159
SNP_P1_77577_35452817	NC_021163.1	Ca_kabuli_chr04	35452817	CC	AA	1940306160
SNP_P1_77578_35453583	NC_021163.1	Ca_kabuli_chr04	35453583	TT	CC	1940306162
SNP_P1_77579_35453584	NC_021163.1	Ca_kabuli_chr04	35453584	CC	GG	1940306164
SNP_P1_77580_35453631	NC_021163.1	Ca_kabuli_chr04	35453631	GG	AA	1940306165
SNP_P1_77581_35453639	NC_021163.1	Ca_kabuli_chr04	35453639	AA	TT	1940306167
SNP_P1_77582_35454842	NC_021163.1	Ca_kabuli_chr04	35454842	CC	AA	1940306169
SNP_P1_77583_35454883	NC_021163.1	Ca_kabuli_chr04	35454883	CC	AA	1940306170
SNP_P1_77584_35455062	NC_021163.1	Ca_kabuli_chr04	35455062	TT	AA	1940306172
SNP_P1_77585_35455327	NC_021163.1	Ca_kabuli_chr04	35455327	TT	CC	1940306174
SNP_P1_77586_35455648	NC_021163.1	Ca_kabuli_chr04	35455648	CC	TT	1940306175
SNP_P1_77587_35455837	NC_021163.1	Ca_kabuli_chr04	35455837	CC	TT	1940306177
SNP_P1_77588_35456525	NC_021163.1	Ca_kabuli_chr04	35456525	CC	TT	1940306178
SNP_P1_77589_35456542	NC_021163.1	Ca_kabuli_chr04	35456542	TT	CC	1940306180
SNP_P1_77591_35457119	NC_021163.1	Ca_kabuli_chr04	35457119	TT	AA	1940306182
SNP_P1_77592_35457161	NC_021163.1	Ca_kabuli_chr04	35457161	GG	TT	1940306183
SNP_P1_77593_35457303	NC_021163.1	Ca_kabuli_chr04	35457303	GG	AA	1940306185
SNP_P1_77594_35457304	NC_021163.1	Ca_kabuli_chr04	35457304	CC	TT	1940306187
SNP_P1_77595_35457316	NC_021163.1	Ca_kabuli_chr04	35457316	TT	CC	1940306188
SNP_P1_77596_35457511	NC_021163.1	Ca_kabuli_chr04	35457511	CC	GG	1940306190
SNP_P1_77597_35457613	NC_021163.1	Ca_kabuli_chr04	35457613	AA	CC	1940306192
SNP_P1_77598_35457639	NC_021163.1	Ca_kabuli_chr04	35457639	TT	AA	1940306193
SNP_P1_77599_35461251	NC_021163.1	Ca_kabuli_chr04	35461251	TT	CC	1940306195
SNP_P1_77600_35462130	NC_021163.1	Ca_kabuli_chr04	35462130	TT	AA	1940306197
SNP_P1_77601_35462202	NC_021163.1	Ca_kabuli_chr04	35462202	TT	GG	1940306198
SNP_P1_77602_35467454	NC_021163.1	Ca_kabuli_chr04	35467454	CC	GG	1940306200
SNP_P1_77603_35469224	NC_021163.1	Ca_kabuli_chr04	35469224	TT	CC	1940306202
SNP_P1_77604_35469304	NC_021163.1	Ca_kabuli_chr04	35469304	GG	AA	1940306204
SNP_P1_77605_35469394	NC_021163.1	Ca_kabuli_chr04	35469394	CC	TT	1940306205
SNP_P1_77606_35469506	NC_021163.1	Ca_kabuli_chr04	35469506	CC	TT	1940306207
SNP_P1_77607_35469609	NC_021163.1	Ca_kabuli_chr04	35469609	CC	TT	1940306209

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77609_35469740	NC_021163.1	Ca_kabuli_chr04	35469740	AA	TT	1940306212
SNP_P1_77610_35469741	NC_021163.1	Ca_kabuli_chr04	35469741	TT	GG	1940306214
SNP_P1_77611_35469851	NC_021163.1	Ca_kabuli_chr04	35469851	GG	AA	1940306215
SNP_P1_77612_35469868	NC_021163.1	Ca_kabuli_chr04	35469868	GG	AA	1940306217
SNP_P1_77613_35469894	NC_021163.1	Ca_kabuli_chr04	35469894	AA	TT	1940306218
SNP_P1_77614_35469930	NC_021163.1	Ca_kabuli_chr04	35469930	AA	TT	1940306220
SNP_P1_77615_35469972	NC_021163.1	Ca_kabuli_chr04	35469972	GG	AA	1940306222
SNP_P1_77616_35470016	NC_021163.1	Ca_kabuli_chr04	35470016	AA	GG	1940306224
SNP_P1_77617_35470027	NC_021163.1	Ca_kabuli_chr04	35470027	CC	TT	1940306225
SNP_P1_77618_35470103	NC_021163.1	Ca_kabuli_chr04	35470103	TT	AA	1940306227
SNP_P1_77619_35470158	NC_021163.1	Ca_kabuli_chr04	35470158	GG	CC	1940306228
SNP_P1_77620_35470160	NC_021163.1	Ca_kabuli_chr04	35470160	TT	CC	1940306230
SNP_P1_77621_35470167	NC_021163.1	Ca_kabuli_chr04	35470167	CC	TT	1940306232
SNP_P1_77622_35470186	NC_021163.1	Ca_kabuli_chr04	35470186	TT	CC	1940306233
SNP_P1_77623_35470200	NC_021163.1	Ca_kabuli_chr04	35470200	CC	TT	1940306235
SNP_P1_77624_35470241	NC_021163.1	Ca_kabuli_chr04	35470241	GG	AA	1940306237
SNP_P1_77625_35470291	NC_021163.1	Ca_kabuli_chr04	35470291	GG	AA	1940306238
SNP_P1_77626_35470304	NC_021163.1	Ca_kabuli_chr04	35470304	TT	CC	1940306240
SNP_P1_77627_35470319	NC_021163.1	Ca_kabuli_chr04	35470319	GG	AA	1940306242
SNP_P1_77628_35470390	NC_021163.1	Ca_kabuli_chr04	35470390	AA	TT	1940306244
SNP_P1_77629_35470398	NC_021163.1	Ca_kabuli_chr04	35470398	GG	AA	1940306245
SNP_P1_77630_35486602	NC_021163.1	Ca_kabuli_chr04	35486602	TT	AA	1940306247
SNP_P1_77631_35487121	NC_021163.1	Ca_kabuli_chr04	35487121	GG	AA	1940306249
SNP_P1_77632_35489987	NC_021163.1	Ca_kabuli_chr04	35489987	TT	CC	1940306250
SNP_P1_77633_35494861	NC_021163.1	Ca_kabuli_chr04	35494861	TT	AA	1940306252
SNP_P1_77634_35498841	NC_021163.1	Ca_kabuli_chr04	35498841	GG	AA	1940306253
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SNP_P1_77636_35503996	NC_021163.1	Ca_kabuli_chr04	35503996	TT	AA	1940306257
SNP_P1_77637_35511873	NC_021163.1	Ca_kabuli_chr04	35511873	TT	CC	1940306258
SNP_P1_77638_35511878	NC_021163.1	Ca_kabuli_chr04	35511878	TT	CC	1940306260
SNP_P1_77639_35511955	NC_021163.1	Ca_kabuli_chr04	35511955	GG	CC	1940306262
SNP_P1_77640_35512169	NC_021163.1	Ca_kabuli_chr04	35512169	CC	GG	1940306263
SNP_P1_77641_35512303	NC_021163.1	Ca_kabuli_chr04	35512303	GG	AA	1940306265
SNP_P1_77642_35519172	NC_021163.1	Ca_kabuli_chr04	35519172	CC	TT	1940306267
SNP_P1_77643_35521739	NC_021163.1	Ca_kabuli_chr04	35521739	AA	TT	1940306268
SNP_P1_77644_35521740	NC_021163.1	Ca_kabuli_chr04	35521740	TT	AA	1940306270
SNP_P1_77645_35553928	NC_021163.1	Ca_kabuli_chr04	35553928	GG	AA	1940306272
SNP_P1_77646_35553949	NC_021163.1	Ca_kabuli_chr04	35553949	CC	TT	1940306273
SNP_P1_77647_35563235	NC_021163.1	Ca_kabuli_chr04	35563235	TT	GG	1940306275
SNP_P1_77648_35563320	NC_021163.1	Ca_kabuli_chr04	35563320	TT	CC	1940306277
SNP_P1_77649_35563338	NC_021163.1	Ca_kabuli_chr04	35563338	TT	CC	1940306278

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77652_35563582	NC_021163.1	Ca_kabuli_chr04	35563582	AA	GG	1940306283
SNP_P1_77653_35564921	NC_021163.1	Ca_kabuli_chr04	35564921	TT	CC	1940306285
SNP_P1_77654_35564929	NC_021163.1	Ca_kabuli_chr04	35564929	TT	CC	1940306287
SNP_P1_77655_35568528	NC_021163.1	Ca_kabuli_chr04	35568528	AA	TT	1940306288
SNP_P1_77656_35569081	NC_021163.1	Ca_kabuli_chr04	35569081	AA	GG	1940306290
SNP_P1_77657_35580332	NC_021163.1	Ca_kabuli_chr04	35580332	TT	GG	1940306292
SNP_P1_77658_35580336	NC_021163.1	Ca_kabuli_chr04	35580336	AA	GG	1940306294
SNP_P1_77659_35589273	NC_021163.1	Ca_kabuli_chr04	35589273	AA	GG	1940306295
SNP_P1_77661_35597891	NC_021163.1	Ca_kabuli_chr04	35597891	CC	TT	1940306297
SNP_P1_77662_35597909	NC_021163.1	Ca_kabuli_chr04	35597909	GG	AA	1940306298
SNP_P1_77663_35597912	NC_021163.1	Ca_kabuli_chr04	35597912	TT	CC	1940306300
SNP_P1_77664_35597918	NC_021163.1	Ca_kabuli_chr04	35597918	CC	GG	1940306302
SNP_P1_77665_35597923	NC_021163.1	Ca_kabuli_chr04	35597923	GG	AA	1940306303
SNP_P1_77666_35597942	NC_021163.1	Ca_kabuli_chr04	35597942	TT	AA	1940306305
SNP_P1_77667_35598621	NC_021163.1	Ca_kabuli_chr04	35598621	TT	CC	1940306307
SNP_P1_77668_35598668	NC_021163.1	Ca_kabuli_chr04	35598668	GG	AA	1940306308
SNP_P1_77669_35598675	NC_021163.1	Ca_kabuli_chr04	35598675	TT	CC	1940306310
SNP_P1_77670_35598746	NC_021163.1	Ca_kabuli_chr04	35598746	CC	TT	1940306312
SNP_P1_77671_35598781	NC_021163.1	Ca_kabuli_chr04	35598781	AA	GG	1940306313
SNP_P1_77672_35598847	NC_021163.1	Ca_kabuli_chr04	35598847	TT	CC	1940306315
SNP_P1_77673_35598861	NC_021163.1	Ca_kabuli_chr04	35598861	TT	GG	1940306317
SNP_P1_77674_35599144	NC_021163.1	Ca_kabuli_chr04	35599144	CC	TT	1940306318
SNP_P1_77675_35599151	NC_021163.1	Ca_kabuli_chr04	35599151	AA	GG	1940306320
SNP_P1_77676_35599167	NC_021163.1	Ca_kabuli_chr04	35599167	AA	GG	1940306322
SNP_P1_77677_35599188	NC_021163.1	Ca_kabuli_chr04	35599188	CC	TT	1940306323
SNP_P1_77678_35599229	NC_021163.1	Ca_kabuli_chr04	35599229	CC	TT	1940306325
SNP_P1_77679_35600793	NC_021163.1	Ca_kabuli_chr04	35600793	CC	TT	1940306327
SNP_P1_77680_35600897	NC_021163.1	Ca_kabuli_chr04	35600897	CC	AA	1940306328
SNP_P1_77681_35609724	NC_021163.1	Ca_kabuli_chr04	35609724	GG	AA	1940306330
SNP_P1_77682_35615895	NC_021163.1	Ca_kabuli_chr04	35615895	AA	GG	1940306332
SNP_P1_77683_35615912	NC_021163.1	Ca_kabuli_chr04	35615912	TT	GG	1940306333
SNP_P1_77684_35616071	NC_021163.1	Ca_kabuli_chr04	35616071	TT	CC	1940306335
SNP_P1_77685_35616108	NC_021163.1	Ca_kabuli_chr04	35616108	AA	TT	1940306337
SNP_P1_77686_35616382	NC_021163.1	Ca_kabuli_chr04	35616382	AA	CC	1940306338
SNP_P1_77687_35616942	NC_021163.1	Ca_kabuli_chr04	35616942	CC	AA	1940306340
SNP_P1_77688_35617112	NC_021163.1	Ca_kabuli_chr04	35617112	AA	GG	1940306342
SNP_P1_77689_35617119	NC_021163.1	Ca_kabuli_chr04	35617119	AA	GG	1940306343
SNP_P1_77690_35617122	NC_021163.1	Ca_kabuli_chr04	35617122	TT	CC	1940306345
SNP_P1_77691_35617195	NC_021163.1	Ca_kabuli_chr04	35617195	TT	CC	1940306347
SNP_P1_77692_35617252	NC_021163.1	Ca_kabuli_chr04	35617252	GG	AA	1940306348

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77695_35621883	NC_021163.1	Ca_kabuli_chr04	35621883	CC	TT	1940306352
SNP_P1_77696_35626157	NC_021163.1	Ca_kabuli_chr04	35626157	GG	AA	1940306353
SNP_P1_77697_35628813	NC_021163.1	Ca_kabuli_chr04	35628813	TT	GG	1940306355
SNP_P1_77698_35628815	NC_021163.1	Ca_kabuli_chr04	35628815	AA	CC	1940306357
SNP_P1_77700_35643538	NC_021163.1	Ca_kabuli_chr04	35643538	CC	TT	1940306358
SNP_P1_77701_35659857	NC_021163.1	Ca_kabuli_chr04	35659857	GG	AA	1940306360
SNP_P1_77702_35691584	NC_021163.1	Ca_kabuli_chr04	35691584	CC	TT	1940306362
SNP_P1_77703_35691657	NC_021163.1	Ca_kabuli_chr04	35691657	CC	AA	1940306363
SNP_P1_77704_35695354	NC_021163.1	Ca_kabuli_chr04	35695354	GG	AA	1940306365
SNP_P1_77705_35695400	NC_021163.1	Ca_kabuli_chr04	35695400	CC	AA	1940306367
SNP_P1_77706_35695427	NC_021163.1	Ca_kabuli_chr04	35695427	TT	AA	1940306369
SNP_P1_77707_35695641	NC_021163.1	Ca_kabuli_chr04	35695641	AA	GG	1940306370
SNP_P1_77709_35695818	NC_021163.1	Ca_kabuli_chr04	35695818	CC	GG	1940306372
SNP_P1_77710_35705032	NC_021163.1	Ca_kabuli_chr04	35705032	CC	TT	1940306373
SNP_P1_77712_35708524	NC_021163.1	Ca_kabuli_chr04	35708524	TT	CC	1940306375
SNP_P1_77713_35708587	NC_021163.1	Ca_kabuli_chr04	35708587	CC	TT	1940306377
SNP_P1_77714_35708597	NC_021163.1	Ca_kabuli_chr04	35708597	CC	AA	1940306378
SNP_P1_77715_35708734	NC_021163.1	Ca_kabuli_chr04	35708734	AA	GG	1940306380
SNP_P1_77716_35708738	NC_021163.1	Ca_kabuli_chr04	35708738	GG	AA	1940306382
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SNP_P1_77718_35710580	NC_021163.1	Ca_kabuli_chr04	35710580	TT	GG	1940306385
SNP_P1_77719_35710606	NC_021163.1	Ca_kabuli_chr04	35710606	GG	AA	1940306387
SNP_P1_77720_35711966	NC_021163.1	Ca_kabuli_chr04	35711966	TT	GG	1940306388
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SNP_P1_77724_35712383	NC_021163.1	Ca_kabuli_chr04	35712383	AA	GG	1940306395
SNP_P1_77725_35712394	NC_021163.1	Ca_kabuli_chr04	35712394	AA	CC	1940306397
SNP_P1_77726_35720285	NC_021163.1	Ca_kabuli_chr04	35720285	AA	GG	1940306398
SNP_P1_77727_35720288	NC_021163.1	Ca_kabuli_chr04	35720288	AA	GG	1940306400
SNP_P1_77730_35767480	NC_021163.1	Ca_kabuli_chr04	35767480	AA	GG	1940306402
SNP_P1_77731_35768557	NC_021163.1	Ca_kabuli_chr04	35768557	AA	TT	1940306403
SNP_P1_77732_35768610	NC_021163.1	Ca_kabuli_chr04	35768610	AA	GG	1940306405
SNP_P1_77733_35779968	NC_021163.1	Ca_kabuli_chr04	35779968	TT	AA	1940306407
SNP_P1_77734_35779972	NC_021163.1	Ca_kabuli_chr04	35779972	AA	TT	1940306408
SNP_P1_77735_35780031	NC_021163.1	Ca_kabuli_chr04	35780031	AA	GG	1940306410
SNP_P1_77736_35780137	NC_021163.1	Ca_kabuli_chr04	35780137	TT	CC	1940306412
SNP_P1_77737_35780234	NC_021163.1	Ca_kabuli_chr04	35780234	CC	AA	1940306413
SNP_P1_77738_35780302	NC_021163.1	Ca_kabuli_chr04	35780302	TT	AA	1940306415
SNP_P1_77739_35780404	NC_021163.1	Ca_kabuli_chr04	35780404	GG	AA	1940306417
SNP_P1_77740_35780428	NC_021163.1	Ca_kabuli_chr04	35780428	GG	AA	1940306418

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77742_35780527	NC_021163.1	Ca_kabuli_chr04	35780527	TT	AA	1940306422
SNP_P1_77743_35780536	NC_021163.1	Ca_kabuli_chr04	35780536	GG	AA	1940306423
SNP_P1_77744_35780538	NC_021163.1	Ca_kabuli_chr04	35780538	CC	TT	1940306425
SNP_P1_77745_35780549	NC_021163.1	Ca_kabuli_chr04	35780549	GG	AA	1940306427
SNP_P1_77746_35780558	NC_021163.1	Ca_kabuli_chr04	35780558	TT	CC	1940306428
SNP_P1_77747_35780671	NC_021163.1	Ca_kabuli_chr04	35780671	AA	GG	1940306430
SNP_P1_77748_35791340	NC_021163.1	Ca_kabuli_chr04	35791340	CC	GG	1940306432
SNP_P1_77749_35791401	NC_021163.1	Ca_kabuli_chr04	35791401	GG	AA	1940306433
SNP_P1_77750_35791482	NC_021163.1	Ca_kabuli_chr04	35791482	GG	TT	1940306435
SNP_P1_77751_35791499	NC_021163.1	Ca_kabuli_chr04	35791499	CC	TT	1940306437
SNP_P1_77752_35791567	NC_021163.1	Ca_kabuli_chr04	35791567	AA	TT	1940306438
SNP_P1_77753_35791676	NC_021163.1	Ca_kabuli_chr04	35791676	GG	CC	1940306440
SNP_P1_77754_35791733	NC_021163.1	Ca_kabuli_chr04	35791733	GG	AA	1940306442
SNP_P1_77755_35791839	NC_021163.1	Ca_kabuli_chr04	35791839	TT	CC	1940306443
SNP_P1_77756_35791840	NC_021163.1	Ca_kabuli_chr04	35791840	GG	AA	1940306445
SNP_P1_77757_35792021	NC_021163.1	Ca_kabuli_chr04	35792021	AA	GG	1940306447
SNP_P1_77758_35792208	NC_021163.1	Ca_kabuli_chr04	35792208	GG	AA	1940306448
SNP_P1_77759_35793320	NC_021163.1	Ca_kabuli_chr04	35793320	AA	TT	1940306450
SNP_P1_77760_35793350	NC_021163.1	Ca_kabuli_chr04	35793350	TT	CC	1940306452
SNP_P1_77761_35793809	NC_021163.1	Ca_kabuli_chr04	35793809	CC	GG	1940306453
SNP_P1_77762_35796585	NC_021163.1	Ca_kabuli_chr04	35796585	GG	AA	1940306455
SNP_P1_77763_35798271	NC_021163.1	Ca_kabuli_chr04	35798271	CC	TT	1940306457
SNP_P1_77764_35798285	NC_021163.1	Ca_kabuli_chr04	35798285	AA	TT	1940306458
SNP_P1_77765_35798327	NC_021163.1	Ca_kabuli_chr04	35798327	AA	GG	1940306460
SNP_P1_77766_35798427	NC_021163.1	Ca_kabuli_chr04	35798427	TT	AA	1940306462
SNP_P1_77767_35804413	NC_021163.1	Ca_kabuli_chr04	35804413	AA	CC	1940306463
SNP_P1_77768_35807957	NC_021163.1	Ca_kabuli_chr04	35807957	GG	AA	1940306465
SNP_P1_77771_35822156	NC_021163.1	Ca_kabuli_chr04	35822156	TT	CC	1940306467
SNP_P1_77772_35822162	NC_021163.1	Ca_kabuli_chr04	35822162	CC	TT	1940306468
SNP_P1_77773_35822286	NC_021163.1	Ca_kabuli_chr04	35822286	CC	TT	1940306470
SNP_P1_77774_35822336	NC_021163.1	Ca_kabuli_chr04	35822336	AA	GG	1940306472
SNP_P1_77776_35822553	NC_021163.1	Ca_kabuli_chr04	35822553	TT	CC	1940306473
SNP_P1_77777_35822690	NC_021163.1	Ca_kabuli_chr04	35822690	CC	TT	1940306475
SNP_P1_77778_35828698	NC_021163.1	Ca_kabuli_chr04	35828698	TT	GG	1940306477
SNP_P1_77779_35828742	NC_021163.1	Ca_kabuli_chr04	35828742	AA	CC	1940306478
SNP_P1_77780_35828798	NC_021163.1	Ca_kabuli_chr04	35828798	AA	GG	1940306480
SNP_P1_77781_35828819	NC_021163.1	Ca_kabuli_chr04	35828819	AA	CC	1940306482
SNP_P1_77782_35829015	NC_021163.1	Ca_kabuli_chr04	35829015	TT	CC	1940306483
SNP_P1_77783_35829019	NC_021163.1	Ca_kabuli_chr04	35829019	GG	AA	1940306485
SNP_P1_77784_35829271	NC_021163.1	Ca_kabuli_chr04	35829271	AA	GG	1940306487
SNP_P1_77785_35831283	NC_021163.1	Ca_kabuli_chr04	35831283	TT	CC	1940306488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77787_35831588	NC_021163.1	Ca_kabuli_chr04	35831588	AA	TT	1940306492
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SNP_P1_77789_35831770	NC_021163.1	Ca_kabuli_chr04	35831770	CC	GG	1940306495
SNP_P1_77790_35838715	NC_021163.1	Ca_kabuli_chr04	35838715	AA	TT	1940306497
SNP_P1_77792_35846939	NC_021163.1	Ca_kabuli_chr04	35846939	CC	AA	1940306498
SNP_P1_77793_35853606	NC_021163.1	Ca_kabuli_chr04	35853606	GG	CC	1940306500
SNP_P1_77794_35885262	NC_021163.1	Ca_kabuli_chr04	35885262	CC	AA	1940306502
SNP_P1_77795_35897765	NC_021163.1	Ca_kabuli_chr04	35897765	CC	TT	1940306503
SNP_P1_77796_35901144	NC_021163.1	Ca_kabuli_chr04	35901144	AA	GG	1940306505
SNP_P1_77797_35901183	NC_021163.1	Ca_kabuli_chr04	35901183	TT	GG	1940306507
SNP_P1_77798_35901197	NC_021163.1	Ca_kabuli_chr04	35901197	TT	CC	1940306508
SNP_P1_77800_35913995	NC_021163.1	Ca_kabuli_chr04	35913995	TT	AA	1940306510
SNP_P1_77801_35921951	NC_021163.1	Ca_kabuli_chr04	35921951	AA	TT	1940306512
SNP_P1_77803_35937262	NC_021163.1	Ca_kabuli_chr04	35937262	CC	TT	1940306513
SNP_P1_77804_35944938	NC_021163.1	Ca_kabuli_chr04	35944938	TT	CC	1940306515
SNP_P1_77805_35944976	NC_021163.1	Ca_kabuli_chr04	35944976	AA	GG	1940306517
SNP_P1_77806_35945284	NC_021163.1	Ca_kabuli_chr04	35945284	TT	AA	1940306518
SNP_P1_77807_35960557	NC_021163.1	Ca_kabuli_chr04	35960557	AA	GG	1940306520
SNP_P1_77809_36026921	NC_021163.1	Ca_kabuli_chr04	36026921	AA	GG	1940306522
SNP_P1_77810_36026951	NC_021163.1	Ca_kabuli_chr04	36026951	CC	TT	1940306523
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SNP_P1_77812_36027246	NC_021163.1	Ca_kabuli_chr04	36027246	TT	GG	1940306527
SNP_P1_77813_36059784	NC_021163.1	Ca_kabuli_chr04	36059784	CC	TT	1940306528
SNP_P1_77814_36068793	NC_021163.1	Ca_kabuli_chr04	36068793	AA	CC	1940306530
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SNP_P1_77818_36079543	NC_021163.1	Ca_kabuli_chr04	36079543	CC	TT	1940306535
SNP_P1_77819_36093890	NC_021163.1	Ca_kabuli_chr04	36093890	AA	GG	1940306537
SNP_P1_77820_36094281	NC_021163.1	Ca_kabuli_chr04	36094281	TT	CC	1940306538
SNP_P1_77822_36096096	NC_021163.1	Ca_kabuli_chr04	36096096	CC	TT	1940306540
SNP_P1_77823_36099075	NC_021163.1	Ca_kabuli_chr04	36099075	TT	GG	1940306542
SNP_P1_77824_36099077	NC_021163.1	Ca_kabuli_chr04	36099077	GG	AA	1940306543
SNP_P1_77825_36099100	NC_021163.1	Ca_kabuli_chr04	36099100	TT	AA	1940306545
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SNP_P1_77827_36112591	NC_021163.1	Ca_kabuli_chr04	36112591	TT	CC	1940306548
SNP_P1_77828_36118930	NC_021163.1	Ca_kabuli_chr04	36118930	GG	TT	1940306550
SNP_P1_77829_36118936	NC_021163.1	Ca_kabuli_chr04	36118936	GG	TT	1940306552
SNP_P1_77830_36118947	NC_021163.1	Ca_kabuli_chr04	36118947	CC	AA	1940306553
SNP_P1_77831_36118948	NC_021163.1	Ca_kabuli_chr04	36118948	CC	TT	1940306555
SNP_P1_77832_36118965	NC_021163.1	Ca_kabuli_chr04	36118965	CC	TT	1940306557
SNP_P1_77834_36140244	NC_021163.1	Ca_kabuli_chr04	36140244	TT	CC	1940306558

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77836_36189697	NC_021163.1	Ca_kabuli_chr04	36189697	GG	AA	1940306562
SNP_P1_77837_36211340	NC_021163.1	Ca_kabuli_chr04	36211340	CC	TT	1940306563
SNP_P1_77838_36225468	NC_021163.1	Ca_kabuli_chr04	36225468	AA	GG	1940306565
SNP_P1_77841_36252998	NC_021163.1	Ca_kabuli_chr04	36252998	AA	GG	1940306567
SNP_P1_77843_36256971	NC_021163.1	Ca_kabuli_chr04	36256971	GG	AA	1940306568
SNP_P1_77844_36271990	NC_021163.1	Ca_kabuli_chr04	36271990	AA	GG	1940306570
SNP_P1_77845_36283369	NC_021163.1	Ca_kabuli_chr04	36283369	TT	CC	1940306572
SNP_P1_77846_36283371	NC_021163.1	Ca_kabuli_chr04	36283371	TT	GG	1940306573
SNP_P1_77847_36283397	NC_021163.1	Ca_kabuli_chr04	36283397	TT	CC	1940306575
SNP_P1_77848_36291048	NC_021163.1	Ca_kabuli_chr04	36291048	GG	AA	1940306577
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SNP_P1_77851_36300103	NC_021163.1	Ca_kabuli_chr04	36300103	TT	CC	1940306580
SNP_P1_77852_36300108	NC_021163.1	Ca_kabuli_chr04	36300108	CC	TT	1940306582
SNP_P1_77853_36300222	NC_021163.1	Ca_kabuli_chr04	36300222	AA	GG	1940306583
SNP_P1_77854_36300458	NC_021163.1	Ca_kabuli_chr04	36300458	CC	TT	1940306585
SNP_P1_77855_36300473	NC_021163.1	Ca_kabuli_chr04	36300473	AA	CC	1940306587
SNP_P1_77856_36301074	NC_021163.1	Ca_kabuli_chr04	36301074	AA	GG	1940306588
SNP_P1_77860_36334952	NC_021163.1	Ca_kabuli_chr04	36334952	AA	GG	1940306590
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SNP_P1_77862_36335023	NC_021163.1	Ca_kabuli_chr04	36335023	TT	AA	1940306593
SNP_P1_77863_36335061	NC_021163.1	Ca_kabuli_chr04	36335061	GG	AA	1940306595
SNP_P1_77864_36335296	NC_021163.1	Ca_kabuli_chr04	36335296	CC	TT	1940306597
SNP_P1_77866_36335449	NC_021163.1	Ca_kabuli_chr04	36335449	GG	AA	1940306598
SNP_P1_77867_36335495	NC_021163.1	Ca_kabuli_chr04	36335495	CC	TT	1940306600
SNP_P1_77868_36335532	NC_021163.1	Ca_kabuli_chr04	36335532	TT	CC	1940306602
SNP_P1_77869_36335708	NC_021163.1	Ca_kabuli_chr04	36335708	TT	CC	1940306603
SNP_P1_77870_36335717	NC_021163.1	Ca_kabuli_chr04	36335717	CC	TT	1940306605
SNP_P1_77871_36335766	NC_021163.1	Ca_kabuli_chr04	36335766	CC	TT	1940306607
SNP_P1_77872_36335840	NC_021163.1	Ca_kabuli_chr04	36335840	TT	GG	1940306608
SNP_P1_77873_36335873	NC_021163.1	Ca_kabuli_chr04	36335873	CC	TT	1940306610
SNP_P1_77874_36335983	NC_021163.1	Ca_kabuli_chr04	36335983	TT	CC	1940306612
SNP_P1_77875_36336107	NC_021163.1	Ca_kabuli_chr04	36336107	TT	CC	1940306613
SNP_P1_77876_36336128	NC_021163.1	Ca_kabuli_chr04	36336128	AA	GG	1940306615
SNP_P1_77877_36336201	NC_021163.1	Ca_kabuli_chr04	36336201	CC	TT	1940306617
SNP_P1_77878_36336220	NC_021163.1	Ca_kabuli_chr04	36336220	CC	TT	1940306618
SNP_P1_77879_36336293	NC_021163.1	Ca_kabuli_chr04	36336293	CC	AA	1940306620
SNP_P1_77880_36336701	NC_021163.1	Ca_kabuli_chr04	36336701	GG	AA	1940306622
SNP_P1_77881_36336712	NC_021163.1	Ca_kabuli_chr04	36336712	TT	AA	1940306623
SNP_P1_77882_36336741	NC_021163.1	Ca_kabuli_chr04	36336741	TT	CC	1940306625
SNP_P1_77883_36336755	NC_021163.1	Ca_kabuli_chr04	36336755	CC	GG	1940306627
SNP_P1_77884_36336860	NC_021163.1	Ca_kabuli_chr04	36336860	TT	GG	1940306628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_77885_36336872	NC_021163.1	Ca_kabuli_chr04	36336872	GG	AA	1940306630
SNP_P1_77887_36336927	NC_021163.1	Ca_kabuli_chr04	36336927	CC	AA	1940306632
SNP_P1_77888_36336951	NC_021163.1	Ca_kabuli_chr04	36336951	CC	TT	1940306633
SNP_P1_77889_36336967	NC_021163.1	Ca_kabuli_chr04	36336967	AA	TT	1940306635
SNP_P1_77890_36336968	NC_021163.1	Ca_kabuli_chr04	36336968	AA	GG	1940306637
SNP_P1_77891_36337004	NC_021163.1	Ca_kabuli_chr04	36337004	AA	GG	1940306638
SNP_P1_77892_36337010	NC_021163.1	Ca_kabuli_chr04	36337010	CC	TT	1940306640
SNP_P1_77893_36337106	NC_021163.1	Ca_kabuli_chr04	36337106	AA	GG	1940306642
SNP_P1_77894_36337115	NC_021163.1	Ca_kabuli_chr04	36337115	AA	GG	1940306643
SNP_P1_77896_36337230	NC_021163.1	Ca_kabuli_chr04	36337230	GG	AA	1940306645
SNP_P1_77897_36337313	NC_021163.1	Ca_kabuli_chr04	36337313	AA	GG	1940306647
SNP_P1_77898_36337318	NC_021163.1	Ca_kabuli_chr04	36337318	CC	GG	1940306648
SNP_P1_77900_36388589	NC_021163.1	Ca_kabuli_chr04	36388589	TT	AA	1940306650
SNP_P1_77901_36389354	NC_021163.1	Ca_kabuli_chr04	36389354	TT	CC	1940306652
SNP_P1_77902_36389389	NC_021163.1	Ca_kabuli_chr04	36389389	CC	AA	1940306653
SNP_P1_77904_36397779	NC_021163.1	Ca_kabuli_chr04	36397779	GG	CC	1940306655
SNP_P1_77905_36416710	NC_021163.1	Ca_kabuli_chr04	36416710	CC	TT	1940306657
SNP_P1_77906_36416713	NC_021163.1	Ca_kabuli_chr04	36416713	CC	TT	1940306658
SNP_P1_77908_36472864	NC_021163.1	Ca_kabuli_chr04	36472864	AA	GG	1940306660
SNP_P1_77910_36485346	NC_021163.1	Ca_kabuli_chr04	36485346	CC	TT	1940306662
SNP_P1_77911_36499553	NC_021163.1	Ca_kabuli_chr04	36499553	GG	AA	1940306663
SNP_P1_77915_36530294	NC_021163.1	Ca_kabuli_chr04	36530294	CC	TT	1940306665
SNP_P1_77916_36530518	NC_021163.1	Ca_kabuli_chr04	36530518	TT	CC	1940306667
SNP_P1_77917_36531914	NC_021163.1	Ca_kabuli_chr04	36531914	GG	AA	1940306668
SNP_P1_77918_36550175	NC_021163.1	Ca_kabuli_chr04	36550175	GG	AA	1940306670
SNP_P1_77919_36550233	NC_021163.1	Ca_kabuli_chr04	36550233	GG	TT	1940306672
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SNP_P1_77921_36550802	NC_021163.1	Ca_kabuli_chr04	36550802	CC	AA	1940306675
SNP_P1_77922_36550822	NC_021163.1	Ca_kabuli_chr04	36550822	CC	AA	1940306677
SNP_P1_77923_36550859	NC_021163.1	Ca_kabuli_chr04	36550859	AA	CC	1940306678
SNP_P1_77924_36550862	NC_021163.1	Ca_kabuli_chr04	36550862	GG	AA	1940306680
SNP_P1_77925_36550918	NC_021163.1	Ca_kabuli_chr04	36550918	CC	TT	1940306682
SNP_P1_77927_36615879	NC_021163.1	Ca_kabuli_chr04	36615879	GG	AA	1940306683
SNP_P1_77928_36615887	NC_021163.1	Ca_kabuli_chr04	36615887	GG	TT	1940306685
SNP_P1_77929_36629787	NC_021163.1	Ca_kabuli_chr04	36629787	GG	AA	1940306687
SNP_P1_77931_36674183	NC_021163.1	Ca_kabuli_chr04	36674183	TT	CC	1940306688
SNP_P1_77932_36676658	NC_021163.1	Ca_kabuli_chr04	36676658	AA	GG	1940306690
SNP_P1_77933_36682523	NC_021163.1	Ca_kabuli_chr04	36682523	AA	GG	1940306692
SNP_P1_77935_36692891	NC_021163.1	Ca_kabuli_chr04	36692891	TT	AA	1940306693
SNP_P1_77936_36692902	NC_021163.1	Ca_kabuli_chr04	36692902	TT	CC	1940306695
SNP_P1_77937_36693515	NC_021163.1	Ca_kabuli_chr04	36693515	GG	TT	1940306697
SNP_P1_77938_36726657	NC_021163.1	Ca_kabuli_chr04	36726657	TT	CC	1940306698

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77941_36726704	NC_021163.1	Ca_kabuli_chr04	36726704	TT	CC	1940306703
SNP_P1_77942_36726720	NC_021163.1	Ca_kabuli_chr04	36726720	AA	CC	1940306705
SNP_P1_77943_36726745	NC_021163.1	Ca_kabuli_chr04	36726745	TT	CC	1940306707
SNP_P1_77946_36726986	NC_021163.1	Ca_kabuli_chr04	36726986	AA	GG	1940306708
SNP_P1_77947_36727121	NC_021163.1	Ca_kabuli_chr04	36727121	TT	AA	1940306710
SNP_P1_77948_36727163	NC_021163.1	Ca_kabuli_chr04	36727163	TT	CC	1940306712
SNP_P1_77950_36735007	NC_021163.1	Ca_kabuli_chr04	36735007	CC	TT	1940306713
SNP_P1_77951_36735153	NC_021163.1	Ca_kabuli_chr04	36735153	CC	TT	1940306715
SNP_P1_77952_36735293	NC_021163.1	Ca_kabuli_chr04	36735293	CC	TT	1940306717
SNP_P1_77953_36752509	NC_021163.1	Ca_kabuli_chr04	36752509	TT	CC	1940306718
SNP_P1_77954_36761432	NC_021163.1	Ca_kabuli_chr04	36761432	CC	AA	1940306720
SNP_P1_77956_36814598	NC_021163.1	Ca_kabuli_chr04	36814598	GG	TT	1940306722
SNP_P1_77957_36818563	NC_021163.1	Ca_kabuli_chr04	36818563	CC	TT	1940306723
SNP_P1_77958_36839166	NC_021163.1	Ca_kabuli_chr04	36839166	CC	TT	1940306725
SNP_P1_77959_36842665	NC_021163.1	Ca_kabuli_chr04	36842665	CC	GG	1940306727
SNP_P1_77960_36853057	NC_021163.1	Ca_kabuli_chr04	36853057	TT	AA	1940306728
SNP_P1_77962_36859655	NC_021163.1	Ca_kabuli_chr04	36859655	GG	TT	1940306730
SNP_P1_77963_36882619	NC_021163.1	Ca_kabuli_chr04	36882619	TT	CC	1940306732
SNP_P1_77964_36882751	NC_021163.1	Ca_kabuli_chr04	36882751	GG	AA	1940306733
SNP_P1_77965_36897993	NC_021163.1	Ca_kabuli_chr04	36897993	CC	AA	1940306735
SNP_P1_77966_36906539	NC_021163.1	Ca_kabuli_chr04	36906539	GG	AA	1940306737
SNP_P1_77968_36907602	NC_021163.1	Ca_kabuli_chr04	36907602	AA	GG	1940306738
SNP_P1_77969_36907623	NC_021163.1	Ca_kabuli_chr04	36907623	AA	GG	1940306740
SNP_P1_77971_36920716	NC_021163.1	Ca_kabuli_chr04	36920716	TT	CC	1940306742
SNP_P1_77972_36920739	NC_021163.1	Ca_kabuli_chr04	36920739	TT	GG	1940306743
SNP_P1_77974_36931789	NC_021163.1	Ca_kabuli_chr04	36931789	TT	CC	1940306745
SNP_P1_77975_36931832	NC_021163.1	Ca_kabuli_chr04	36931832	CC	TT	1940306747
SNP_P1_77976_36931835	NC_021163.1	Ca_kabuli_chr04	36931835	CC	TT	1940306748
SNP_P1_77977_36932554	NC_021163.1	Ca_kabuli_chr04	36932554	CC	TT	1940306750
SNP_P1_77978_36937984	NC_021163.1	Ca_kabuli_chr04	36937984	GG	TT	1940306751
SNP_P1_77979_36952554	NC_021163.1	Ca_kabuli_chr04	36952554	CC	TT	1940306753
SNP_P1_77980_36952569	NC_021163.1	Ca_kabuli_chr04	36952569	GG	TT	1940306755
SNP_P1_77981_36952588	NC_021163.1	Ca_kabuli_chr04	36952588	GG	TT	1940306756
SNP_P1_77983_36952840	NC_021163.1	Ca_kabuli_chr04	36952840	GG	CC	1940306758
SNP_P1_77985_36953728	NC_021163.1	Ca_kabuli_chr04	36953728	CC	GG	1940306760
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SNP_P1_77988_36955623	NC_021163.1	Ca_kabuli_chr04	36955623	CC	TT	1940306763
SNP_P1_77989_36955706	NC_021163.1	Ca_kabuli_chr04	36955706	GG	TT	1940306765
SNP_P1_77992_36956108	NC_021163.1	Ca_kabuli_chr04	36956108	GG	TT	1940306767
SNP_P1_77994_36956893	NC_021163.1	Ca_kabuli_chr04	36956893	AA	TT	1940306768

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_77996_36957135	NC_021163.1	Ca_kabuli_chr04	36957135	CC	GG	1940306771
SNP_P1_77997_36957146	NC_021163.1	Ca_kabuli_chr04	36957146	CC	AA	1940306773
SNP_P1_77998_36957222	NC_021163.1	Ca_kabuli_chr04	36957222	AA	TT	1940306775
SNP_P1_78000_36957435	NC_021163.1	Ca_kabuli_chr04	36957435	GG	CC	1940306776
SNP_P1_78001_36957460	NC_021163.1	Ca_kabuli_chr04	36957460	GG	TT	1940306778
SNP_P1_78003_36957739	NC_021163.1	Ca_kabuli_chr04	36957739	CC	TT	1940306780
SNP_P1_78004_36959095	NC_021163.1	Ca_kabuli_chr04	36959095	AA	TT	1940306781
SNP_P1_78005_36959216	NC_021163.1	Ca_kabuli_chr04	36959216	TT	CC	1940306783
SNP_P1_78007_36959493	NC_021163.1	Ca_kabuli_chr04	36959493	TT	CC	1940306785
SNP_P1_78008_36959511	NC_021163.1	Ca_kabuli_chr04	36959511	AA	GG	1940306786
SNP_P1_78009_36959823	NC_021163.1	Ca_kabuli_chr04	36959823	CC	AA	1940306788
SNP_P1_78010_36960143	NC_021163.1	Ca_kabuli_chr04	36960143	CC	AA	1940306790
SNP_P1_78011_36960144	NC_021163.1	Ca_kabuli_chr04	36960144	AA	TT	1940306791
SNP_P1_78012_36960198	NC_021163.1	Ca_kabuli_chr04	36960198	GG	CC	1940306793
SNP_P1_78013_36960459	NC_021163.1	Ca_kabuli_chr04	36960459	CC	GG	1940306795
SNP_P1_78014_36961310	NC_021163.1	Ca_kabuli_chr04	36961310	GG	AA	1940306796
SNP_P1_78015_36961352	NC_021163.1	Ca_kabuli_chr04	36961352	GG	AA	1940306798
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SNP_P1_78018_36964357	NC_021163.1	Ca_kabuli_chr04	36964357	TT	CC	1940306803
SNP_P1_78019_36964707	NC_021163.1	Ca_kabuli_chr04	36964707	GG	AA	1940306805
SNP_P1_78020_36964730	NC_021163.1	Ca_kabuli_chr04	36964730	GG	TT	1940306806
SNP_P1_78021_36964867	NC_021163.1	Ca_kabuli_chr04	36964867	AA	TT	1940306808
SNP_P1_78022_36964885	NC_021163.1	Ca_kabuli_chr04	36964885	AA	GG	1940306810
SNP_P1_78023_36964889	NC_021163.1	Ca_kabuli_chr04	36964889	GG	AA	1940306811
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SNP_P1_78025_36965156	NC_021163.1	Ca_kabuli_chr04	36965156	TT	CC	1940306815
SNP_P1_78026_36966890	NC_021163.1	Ca_kabuli_chr04	36966890	TT	GG	1940306816
SNP_P1_78027_36966904	NC_021163.1	Ca_kabuli_chr04	36966904	AA	CC	1940306818
SNP_P1_78028_36966908	NC_021163.1	Ca_kabuli_chr04	36966908	AA	TT	1940306820
SNP_P1_78030_36968258	NC_021163.1	Ca_kabuli_chr04	36968258	TT	AA	1940306821
SNP_P1_78032_36968304	NC_021163.1	Ca_kabuli_chr04	36968304	CC	AA	1940306823
SNP_P1_78033_36968337	NC_021163.1	Ca_kabuli_chr04	36968337	TT	GG	1940306825
SNP_P1_78035_36968824	NC_021163.1	Ca_kabuli_chr04	36968824	GG	AA	1940306826
SNP_P1_78036_36969466	NC_021163.1	Ca_kabuli_chr04	36969466	AA	GG	1940306828
SNP_P1_78038_36969577	NC_021163.1	Ca_kabuli_chr04	36969577	AA	GG	1940306830
SNP_P1_78039_36969685	NC_021163.1	Ca_kabuli_chr04	36969685	CC	GG	1940306831
SNP_P1_78040_36969702	NC_021163.1	Ca_kabuli_chr04	36969702	GG	TT	1940306833
SNP_P1_78041_36969768	NC_021163.1	Ca_kabuli_chr04	36969768	AA	GG	1940306835
SNP_P1_78042_36969774	NC_021163.1	Ca_kabuli_chr04	36969774	TT	CC	1940306836
SNP_P1_78044_36970037	NC_021163.1	Ca_kabuli_chr04	36970037	GG	AA	1940306838

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78047_36971712	NC_021163.1	Ca_kabuli_chr04	36971712	GG	CC	1940306843
SNP_P1_78049_36971775	NC_021163.1	Ca_kabuli_chr04	36971775	GG	TT	1940306845
SNP_P1_78053_36972804	NC_021163.1	Ca_kabuli_chr04	36972804	AA	GG	1940306846
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SNP_P1_78055_36973155	NC_021163.1	Ca_kabuli_chr04	36973155	CC	TT	1940306850
SNP_P1_78056_36973193	NC_021163.1	Ca_kabuli_chr04	36973193	AA	TT	1940306851
SNP_P1_78057_36973194	NC_021163.1	Ca_kabuli_chr04	36973194	AA	TT	1940306853
SNP_P1_78058_36974287	NC_021163.1	Ca_kabuli_chr04	36974287	AA	CC	1940306855
SNP_P1_78059_36974609	NC_021163.1	Ca_kabuli_chr04	36974609	CC	TT	1940306856
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SNP_P1_78061_36975361	NC_021163.1	Ca_kabuli_chr04	36975361	CC	AA	1940306860
SNP_P1_78062_36976988	NC_021163.1	Ca_kabuli_chr04	36976988	AA	GG	1940306862
SNP_P1_78063_36977192	NC_021163.1	Ca_kabuli_chr04	36977192	TT	CC	1940306863
SNP_P1_78064_36977194	NC_021163.1	Ca_kabuli_chr04	36977194	GG	AA	1940306865
SNP_P1_78065_36977411	NC_021163.1	Ca_kabuli_chr04	36977411	GG	AA	1940306867
SNP_P1_78066_36977961	NC_021163.1	Ca_kabuli_chr04	36977961	TT	GG	1940306868
SNP_P1_78067_36978092	NC_021163.1	Ca_kabuli_chr04	36978092	TT	GG	1940306870
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SNP_P1_78069_36979655	NC_021163.1	Ca_kabuli_chr04	36979655	TT	CC	1940306873
SNP_P1_78070_36982149	NC_021163.1	Ca_kabuli_chr04	36982149	GG	AA	1940306875
SNP_P1_78071_36986180	NC_021163.1	Ca_kabuli_chr04	36986180	AA	GG	1940306876
SNP_P1_78072_36986213	NC_021163.1	Ca_kabuli_chr04	36986213	TT	AA	1940306878
SNP_P1_78073_36986418	NC_021163.1	Ca_kabuli_chr04	36986418	GG	AA	1940306880
SNP_P1_78074_36986480	NC_021163.1	Ca_kabuli_chr04	36986480	AA	TT	1940306882
SNP_P1_78075_36986553	NC_021163.1	Ca_kabuli_chr04	36986553	GG	TT	1940306883
SNP_P1_78076_36986556	NC_021163.1	Ca_kabuli_chr04	36986556	AA	CC	1940306885
SNP_P1_78077_36986559	NC_021163.1	Ca_kabuli_chr04	36986559	TT	GG	1940306886
SNP_P1_78078_36986620	NC_021163.1	Ca_kabuli_chr04	36986620	AA	GG	1940306888
SNP_P1_78079_36986853	NC_021163.1	Ca_kabuli_chr04	36986853	TT	GG	1940306890
SNP_P1_78080_36986933	NC_021163.1	Ca_kabuli_chr04	36986933	AA	GG	1940306891
SNP_P1_78081_37004664	NC_021163.1	Ca_kabuli_chr04	37004664	GG	AA	1940306893
SNP_P1_78082_37004665	NC_021163.1	Ca_kabuli_chr04	37004665	CC	TT	1940306895
SNP_P1_78083_37007310	NC_021163.1	Ca_kabuli_chr04	37007310	TT	GG	1940306896
SNP_P1_78084_37007624	NC_021163.1	Ca_kabuli_chr04	37007624	GG	AA	1940306898
SNP_P1_78085_37007640	NC_021163.1	Ca_kabuli_chr04	37007640	TT	CC	1940306900
SNP_P1_78087_37007692	NC_021163.1	Ca_kabuli_chr04	37007692	GG	TT	1940306901
SNP_P1_78088_37008388	NC_021163.1	Ca_kabuli_chr04	37008388	GG	TT	1940306903
SNP_P1_78089_37008514	NC_021163.1	Ca_kabuli_chr04	37008514	GG	AA	1940306905
SNP_P1_78091_37008746	NC_021163.1	Ca_kabuli_chr04	37008746	TT	GG	1940306907
SNP_P1_78092_37008969	NC_021163.1	Ca_kabuli_chr04	37008969	CC	AA	1940306908

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78096_37009197	NC_021163.1	Ca_kabuli_chr04	37009197	AA	GG	1940306913
SNP_P1_78097_37009219	NC_021163.1	Ca_kabuli_chr04	37009219	AA	GG	1940306915
SNP_P1_78098_37009460	NC_021163.1	Ca_kabuli_chr04	37009460	GG	AA	1940306916
SNP_P1_78099_37009463	NC_021163.1	Ca_kabuli_chr04	37009463	AA	GG	1940306918
SNP_P1_78100_37009507	NC_021163.1	Ca_kabuli_chr04	37009507	AA	TT	1940306920
SNP_P1_78101_37009508	NC_021163.1	Ca_kabuli_chr04	37009508	AA	GG	1940306921
SNP_P1_78102_37011210	NC_021163.1	Ca_kabuli_chr04	37011210	TT	CC	1940306923
SNP_P1_78103_37011261	NC_021163.1	Ca_kabuli_chr04	37011261	TT	CC	1940306925
SNP_P1_78104_37011335	NC_021163.1	Ca_kabuli_chr04	37011335	GG	AA	1940306927
SNP_P1_78105_37012192	NC_021163.1	Ca_kabuli_chr04	37012192	TT	AA	1940306928
SNP_P1_78106_37012201	NC_021163.1	Ca_kabuli_chr04	37012201	CC	AA	1940306930
SNP_P1_78107_37012259	NC_021163.1	Ca_kabuli_chr04	37012259	CC	TT	1940306932
SNP_P1_78108_37012300	NC_021163.1	Ca_kabuli_chr04	37012300	AA	GG	1940306933
SNP_P1_78109_37012493	NC_021163.1	Ca_kabuli_chr04	37012493	TT	CC	1940306935
SNP_P1_78110_37012616	NC_021163.1	Ca_kabuli_chr04	37012616	TT	CC	1940306937
SNP_P1_78111_37012778	NC_021163.1	Ca_kabuli_chr04	37012778	TT	GG	1940306938
SNP_P1_78112_37012823	NC_021163.1	Ca_kabuli_chr04	37012823	AA	CC	1940306940
SNP_P1_78113_37012840	NC_021163.1	Ca_kabuli_chr04	37012840	AA	CC	1940306942
SNP_P1_78114_37012885	NC_021163.1	Ca_kabuli_chr04	37012885	CC	TT	1940306943
SNP_P1_78115_37013005	NC_021163.1	Ca_kabuli_chr04	37013005	AA	TT	1940306945
SNP_P1_78116_37013263	NC_021163.1	Ca_kabuli_chr04	37013263	GG	AA	1940306946
SNP_P1_78117_37013336	NC_021163.1	Ca_kabuli_chr04	37013336	GG	AA	1940306948
SNP_P1_78118_37013498	NC_021163.1	Ca_kabuli_chr04	37013498	AA	CC	1940306950
SNP_P1_78119_37013520	NC_021163.1	Ca_kabuli_chr04	37013520	CC	TT	1940306951
SNP_P1_78120_37013556	NC_021163.1	Ca_kabuli_chr04	37013556	CC	TT	1940306953
SNP_P1_78121_37013579	NC_021163.1	Ca_kabuli_chr04	37013579	AA	TT	1940306955
SNP_P1_78122_37013776	NC_021163.1	Ca_kabuli_chr04	37013776	AA	GG	1940306956
SNP_P1_78123_37013797	NC_021163.1	Ca_kabuli_chr04	37013797	GG	AA	1940306958
SNP_P1_78124_37013829	NC_021163.1	Ca_kabuli_chr04	37013829	TT	CC	1940306960
SNP_P1_78125_37013855	NC_021163.1	Ca_kabuli_chr04	37013855	CC	TT	1940306961
SNP_P1_78126_37013861	NC_021163.1	Ca_kabuli_chr04	37013861	AA	TT	1940306963
SNP_P1_78127_37013955	NC_021163.1	Ca_kabuli_chr04	37013955	TT	AA	1940306965
SNP_P1_78128_37013960	NC_021163.1	Ca_kabuli_chr04	37013960	TT	CC	1940306966
SNP_P1_78129_37015607	NC_021163.1	Ca_kabuli_chr04	37015607	CC	AA	1940306968
SNP_P1_78131_37025432	NC_021163.1	Ca_kabuli_chr04	37025432	CC	TT	1940306970
SNP_P1_78132_37025436	NC_021163.1	Ca_kabuli_chr04	37025436	AA	CC	1940306971
SNP_P1_78133_37025458	NC_021163.1	Ca_kabuli_chr04	37025458	CC	AA	1940306973
SNP_P1_78134_37025479	NC_021163.1	Ca_kabuli_chr04	37025479	AA	TT	1940306975
SNP_P1_78135_37025481	NC_021163.1	Ca_kabuli_chr04	37025481	GG	CC	1940306976
SNP_P1_78136_37025482	NC_021163.1	Ca_kabuli_chr04	37025482	GG	AA	1940306978

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78138_37025504	NC_021163.1	Ca_kabuli_chr04	37025504	TT	AA	1940306981
SNP_P1_78139_37025510	NC_021163.1	Ca_kabuli_chr04	37025510	AA	GG	1940306983
SNP_P1_78140_37025697	NC_021163.1	Ca_kabuli_chr04	37025697	TT	CC	1940306985
SNP_P1_78141_37025750	NC_021163.1	Ca_kabuli_chr04	37025750	TT	AA	1940306986
SNP_P1_78142_37027073	NC_021163.1	Ca_kabuli_chr04	37027073	CC	TT	1940306988
SNP_P1_78143_37027097	NC_021163.1	Ca_kabuli_chr04	37027097	GG	TT	1940306990
SNP_P1_78144_37027299	NC_021163.1	Ca_kabuli_chr04	37027299	TT	CC	1940306991
SNP_P1_78145_37027454	NC_021163.1	Ca_kabuli_chr04	37027454	CC	AA	1940306993
SNP_P1_78146_37027462	NC_021163.1	Ca_kabuli_chr04	37027462	GG	AA	1940306995
SNP_P1_78147_37027465	NC_021163.1	Ca_kabuli_chr04	37027465	CC	TT	1940306996
SNP_P1_78148_37027471	NC_021163.1	Ca_kabuli_chr04	37027471	GG	CC	1940306998
SNP_P1_78149_37027496	NC_021163.1	Ca_kabuli_chr04	37027496	TT	AA	1940307000
SNP_P1_78150_37027508	NC_021163.1	Ca_kabuli_chr04	37027508	GG	AA	1940307001
SNP_P1_78151_37027544	NC_021163.1	Ca_kabuli_chr04	37027544	TT	GG	1940307003
SNP_P1_78152_37030251	NC_021163.1	Ca_kabuli_chr04	37030251	GG	TT	1940307005
SNP_P1_78153_37032909	NC_021163.1	Ca_kabuli_chr04	37032909	TT	CC	1940307006
SNP_P1_78154_37032921	NC_021163.1	Ca_kabuli_chr04	37032921	TT	CC	1940307008
SNP_P1_78155_37032989	NC_021163.1	Ca_kabuli_chr04	37032989	TT	CC	1940307010
SNP_P1_78156_37033249	NC_021163.1	Ca_kabuli_chr04	37033249	TT	CC	1940307011
SNP_P1_78157_37033256	NC_021163.1	Ca_kabuli_chr04	37033256	TT	CC	1940307013
SNP_P1_78158_37033265	NC_021163.1	Ca_kabuli_chr04	37033265	TT	GG	1940307015
SNP_P1_78159_37033311	NC_021163.1	Ca_kabuli_chr04	37033311	GG	AA	1940307016
SNP_P1_78160_37033312	NC_021163.1	Ca_kabuli_chr04	37033312	GG	AA	1940307018
SNP_P1_78161_37033330	NC_021163.1	Ca_kabuli_chr04	37033330	AA	GG	1940307020
SNP_P1_78163_37033608	NC_021163.1	Ca_kabuli_chr04	37033608	CC	TT	1940307021
SNP_P1_78164_37033616	NC_021163.1	Ca_kabuli_chr04	37033616	AA	GG	1940307023
SNP_P1_78165_37033834	NC_021163.1	Ca_kabuli_chr04	37033834	GG	AA	1940307025
SNP_P1_78166_37033921	NC_021163.1	Ca_kabuli_chr04	37033921	GG	AA	1940307026
SNP_P1_78168_37034149	NC_021163.1	Ca_kabuli_chr04	37034149	TT	GG	1940307028
SNP_P1_78170_37034722	NC_021163.1	Ca_kabuli_chr04	37034722	TT	CC	1940307030
SNP_P1_78171_37034737	NC_021163.1	Ca_kabuli_chr04	37034737	TT	CC	1940307031
SNP_P1_78172_37034767	NC_021163.1	Ca_kabuli_chr04	37034767	GG	AA	1940307033
SNP_P1_78173_37035031	NC_021163.1	Ca_kabuli_chr04	37035031	GG	AA	1940307035
SNP_P1_78174_37035048	NC_021163.1	Ca_kabuli_chr04	37035048	CC	TT	1940307036
SNP_P1_78175_37035055	NC_021163.1	Ca_kabuli_chr04	37035055	AA	CC	1940307038
SNP_P1_78176_37035507	NC_021163.1	Ca_kabuli_chr04	37035507	GG	CC	1940307040
SNP_P1_78179_37035779	NC_021163.1	Ca_kabuli_chr04	37035779	AA	GG	1940307041
SNP_P1_78181_37038568	NC_021163.1	Ca_kabuli_chr04	37038568	AA	GG	1940307043
SNP_P1_78182_37038604	NC_021163.1	Ca_kabuli_chr04	37038604	AA	TT	1940307045
SNP_P1_78183_37038860	NC_021163.1	Ca_kabuli_chr04	37038860	TT	CC	1940307046
SNP_P1_78185_37039140	NC_021163.1	Ca_kabuli_chr04	37039140	CC	TT	1940307048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78190_37039555	NC_021163.1	Ca_kabuli_chr04	37039555	CC	GG	1940307051
SNP_P1_78192_37041145	NC_021163.1	Ca_kabuli_chr04	37041145	GG	TT	1940307053
SNP_P1_78193_37041154	NC_021163.1	Ca_kabuli_chr04	37041154	GG	TT	1940307055
SNP_P1_78194_37041162	NC_021163.1	Ca_kabuli_chr04	37041162	TT	CC	1940307056
SNP_P1_78195_37041164	NC_021163.1	Ca_kabuli_chr04	37041164	AA	GG	1940307058
SNP_P1_78196_37041187	NC_021163.1	Ca_kabuli_chr04	37041187	TT	CC	1940307060
SNP_P1_78197_37041399	NC_021163.1	Ca_kabuli_chr04	37041399	AA	GG	1940307061
SNP_P1_78198_37043057	NC_021163.1	Ca_kabuli_chr04	37043057	GG	AA	1940307063
SNP_P1_78199_37043059	NC_021163.1	Ca_kabuli_chr04	37043059	AA	GG	1940307065
SNP_P1_78200_37043402	NC_021163.1	Ca_kabuli_chr04	37043402	AA	TT	1940307066
SNP_P1_78201_37043461	NC_021163.1	Ca_kabuli_chr04	37043461	CC	AA	1940307068
SNP_P1_78203_37044407	NC_021163.1	Ca_kabuli_chr04	37044407	TT	CC	1940307070
SNP_P1_78204_37044422	NC_021163.1	Ca_kabuli_chr04	37044422	GG	AA	1940307071
SNP_P1_78205_37044426	NC_021163.1	Ca_kabuli_chr04	37044426	GG	AA	1940307073
SNP_P1_78206_37044944	NC_021163.1	Ca_kabuli_chr04	37044944	CC	GG	1940307075
SNP_P1_78207_37044988	NC_021163.1	Ca_kabuli_chr04	37044988	TT	AA	1940307076
SNP_P1_78209_37045233	NC_021163.1	Ca_kabuli_chr04	37045233	CC	TT	1940307078
SNP_P1_78210_37045748	NC_021163.1	Ca_kabuli_chr04	37045748	GG	CC	1940307080
SNP_P1_78211_37045786	NC_021163.1	Ca_kabuli_chr04	37045786	CC	TT	1940307081
SNP_P1_78212_37046494	NC_021163.1	Ca_kabuli_chr04	37046494	TT	CC	1940307083
SNP_P1_78213_37046504	NC_021163.1	Ca_kabuli_chr04	37046504	TT	GG	1940307085
SNP_P1_78214_37046545	NC_021163.1	Ca_kabuli_chr04	37046545	TT	AA	1940307086
SNP_P1_78215_37046564	NC_021163.1	Ca_kabuli_chr04	37046564	AA	GG	1940307088
SNP_P1_78216_37046779	NC_021163.1	Ca_kabuli_chr04	37046779	TT	CC	1940307090
SNP_P1_78217_37046928	NC_021163.1	Ca_kabuli_chr04	37046928	GG	TT	1940307091
SNP_P1_78220_37047817	NC_021163.1	Ca_kabuli_chr04	37047817	CC	TT	1940307093
SNP_P1_78221_37047884	NC_021163.1	Ca_kabuli_chr04	37047884	GG	CC	1940307095
SNP_P1_78222_37047900	NC_021163.1	Ca_kabuli_chr04	37047900	TT	CC	1940307096
SNP_P1_78223_37047910	NC_021163.1	Ca_kabuli_chr04	37047910	GG	AA	1940307098
SNP_P1_78224_37048089	NC_021163.1	Ca_kabuli_chr04	37048089	CC	TT	1940307100
SNP_P1_78225_37048090	NC_021163.1	Ca_kabuli_chr04	37048090	AA	GG	1940307101
SNP_P1_78226_37048152	NC_021163.1	Ca_kabuli_chr04	37048152	AA	GG	1940307103
SNP_P1_78227_37048173	NC_021163.1	Ca_kabuli_chr04	37048173	TT	CC	1940307105
SNP_P1_78228_37049082	NC_021163.1	Ca_kabuli_chr04	37049082	TT	CC	1940307106
SNP_P1_78229_37049083	NC_021163.1	Ca_kabuli_chr04	37049083	TT	GG	1940307108
SNP_P1_78230_37049337	NC_021163.1	Ca_kabuli_chr04	37049337	GG	CC	1940307110
SNP_P1_78231_37053182	NC_021163.1	Ca_kabuli_chr04	37053182	AA	TT	1940307111
SNP_P1_78232_37053201	NC_021163.1	Ca_kabuli_chr04	37053201	CC	TT	1940307113
SNP_P1_78233_37053206	NC_021163.1	Ca_kabuli_chr04	37053206	TT	AA	1940307115
SNP_P1_78234_37053239	NC_021163.1	Ca_kabuli_chr04	37053239	AA	GG	1940307116
SNP_P1_78236_37053286	NC_021163.1	Ca_kabuli_chr04	37053286	CC	TT	1940307118

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78240_37055479	NC_021163.1	Ca_kabuli_chr04	37055479	GG	AA	1940307121
SNP_P1_78241_37055521	NC_021163.1	Ca_kabuli_chr04	37055521	TT	AA	1940307123
SNP_P1_78243_37055701	NC_021163.1	Ca_kabuli_chr04	37055701	AA	GG	1940307125
SNP_P1_78245_37055848	NC_021163.1	Ca_kabuli_chr04	37055848	CC	TT	1940307126
SNP_P1_78246_37055923	NC_021163.1	Ca_kabuli_chr04	37055923	GG	AA	1940307128
SNP_P1_78248_37057944	NC_021163.1	Ca_kabuli_chr04	37057944	TT	GG	1940307130
SNP_P1_78250_37057977	NC_021163.1	Ca_kabuli_chr04	37057977	CC	TT	1940307131
SNP_P1_78251_37057983	NC_021163.1	Ca_kabuli_chr04	37057983	TT	CC	1940307133
SNP_P1_78252_37058308	NC_021163.1	Ca_kabuli_chr04	37058308	CC	AA	1940307135
SNP_P1_78253_37058315	NC_021163.1	Ca_kabuli_chr04	37058315	GG	TT	1940307136
SNP_P1_78254_37058358	NC_021163.1	Ca_kabuli_chr04	37058358	AA	GG	1940307138
SNP_P1_78255_37058558	NC_021163.1	Ca_kabuli_chr04	37058558	TT	CC	1940307140
SNP_P1_78256_37058780	NC_021163.1	Ca_kabuli_chr04	37058780	CC	GG	1940307141
SNP_P1_78257_37058785	NC_021163.1	Ca_kabuli_chr04	37058785	CC	GG	1940307143
SNP_P1_78258_37058853	NC_021163.1	Ca_kabuli_chr04	37058853	TT	AA	1940307145
SNP_P1_78259_37059778	NC_021163.1	Ca_kabuli_chr04	37059778	TT	CC	1940307146
SNP_P1_78260_37061423	NC_021163.1	Ca_kabuli_chr04	37061423	GG	AA	1940307148
SNP_P1_78261_37067584	NC_021163.1	Ca_kabuli_chr04	37067584	AA	TT	1940307150
SNP_P1_78262_37067636	NC_021163.1	Ca_kabuli_chr04	37067636	AA	GG	1940307151
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SNP_P1_78264_37067693	NC_021163.1	Ca_kabuli_chr04	37067693	TT	CC	1940307155
SNP_P1_78265_37067907	NC_021163.1	Ca_kabuli_chr04	37067907	TT	AA	1940307156
SNP_P1_78266_37068990	NC_021163.1	Ca_kabuli_chr04	37068990	AA	CC	1940307158
SNP_P1_78268_37069216	NC_021163.1	Ca_kabuli_chr04	37069216	TT	CC	1940307160
SNP_P1_78269_37069903	NC_021163.1	Ca_kabuli_chr04	37069903	AA	CC	1940307161
SNP_P1_78270_37069963	NC_021163.1	Ca_kabuli_chr04	37069963	TT	AA	1940307163
SNP_P1_78271_37070153	NC_021163.1	Ca_kabuli_chr04	37070153	TT	CC	1940307165
SNP_P1_78272_37070422	NC_021163.1	Ca_kabuli_chr04	37070422	AA	GG	1940307166
SNP_P1_78274_37074558	NC_021163.1	Ca_kabuli_chr04	37074558	GG	AA	1940307168
SNP_P1_78275_37076320	NC_021163.1	Ca_kabuli_chr04	37076320	AA	TT	1940307170
SNP_P1_78276_37076384	NC_021163.1	Ca_kabuli_chr04	37076384	CC	TT	1940307171
SNP_P1_78278_37076418	NC_021163.1	Ca_kabuli_chr04	37076418	TT	GG	1940307173
SNP_P1_78279_37076656	NC_021163.1	Ca_kabuli_chr04	37076656	TT	GG	1940307175
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SNP_P1_78281_37076692	NC_021163.1	Ca_kabuli_chr04	37076692	TT	CC	1940307178
SNP_P1_78282_37076703	NC_021163.1	Ca_kabuli_chr04	37076703	CC	TT	1940307180
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SNP_P1_78286_37082938	NC_021163.1	Ca_kabuli_chr04	37082938	AA	GG	1940307183
SNP_P1_78287_37082949	NC_021163.1	Ca_kabuli_chr04	37082949	GG	AA	1940307185
SNP_P1_78288_37082980	NC_021163.1	Ca_kabuli_chr04	37082980	AA	TT	1940307186
SNP_P1_78291_37083223	NC_021163.1	Ca_kabuli_chr04	37083223	TT	GG	1940307188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78293_37083537	NC_021163.1	Ca_kabuli_chr04	37083537	CC	GG	1940307191
SNP_P1_78294_37083821	NC_021163.1	Ca_kabuli_chr04	37083821	TT	AA	1940307193
SNP_P1_78295_37083843	NC_021163.1	Ca_kabuli_chr04	37083843	TT	AA	1940307195
SNP_P1_78296_37084891	NC_021163.1	Ca_kabuli_chr04	37084891	GG	AA	1940307196
SNP_P1_78297_37084897	NC_021163.1	Ca_kabuli_chr04	37084897	AA	CC	1940307198
SNP_P1_78298_37084898	NC_021163.1	Ca_kabuli_chr04	37084898	GG	AA	1940307200
SNP_P1_78299_37084914	NC_021163.1	Ca_kabuli_chr04	37084914	CC	TT	1940307201
SNP_P1_78300_37085218	NC_021163.1	Ca_kabuli_chr04	37085218	AA	GG	1940307203
SNP_P1_78301_37085245	NC_021163.1	Ca_kabuli_chr04	37085245	CC	AA	1940307205
SNP_P1_78302_37085264	NC_021163.1	Ca_kabuli_chr04	37085264	TT	CC	1940307206
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SNP_P1_78304_37086366	NC_021163.1	Ca_kabuli_chr04	37086366	GG	AA	1940307210
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SNP_P1_78306_37086871	NC_021163.1	Ca_kabuli_chr04	37086871	CC	AA	1940307213
SNP_P1_78307_37086874	NC_021163.1	Ca_kabuli_chr04	37086874	TT	CC	1940307215
SNP_P1_78308_37086938	NC_021163.1	Ca_kabuli_chr04	37086938	AA	TT	1940307216
SNP_P1_78309_37087183	NC_021163.1	Ca_kabuli_chr04	37087183	GG	TT	1940307218
SNP_P1_78310_37087526	NC_021163.1	Ca_kabuli_chr04	37087526	AA	GG	1940307220
SNP_P1_78312_37087956	NC_021163.1	Ca_kabuli_chr04	37087956	TT	AA	1940307221
SNP_P1_78313_37088405	NC_021163.1	Ca_kabuli_chr04	37088405	AA	TT	1940307223
SNP_P1_78314_37088464	NC_021163.1	Ca_kabuli_chr04	37088464	CC	AA	1940307225
SNP_P1_78315_37088481	NC_021163.1	Ca_kabuli_chr04	37088481	GG	TT	1940307226
SNP_P1_78316_37088497	NC_021163.1	Ca_kabuli_chr04	37088497	CC	TT	1940307228
SNP_P1_78317_37089490	NC_021163.1	Ca_kabuli_chr04	37089490	AA	GG	1940307230
SNP_P1_78318_37089503	NC_021163.1	Ca_kabuli_chr04	37089503	AA	TT	1940307231
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SNP_P1_78320_37089777	NC_021163.1	Ca_kabuli_chr04	37089777	GG	TT	1940307235
SNP_P1_78321_37089783	NC_021163.1	Ca_kabuli_chr04	37089783	AA	GG	1940307236
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SNP_P1_78323_37090718	NC_021163.1	Ca_kabuli_chr04	37090718	AA	GG	1940307240
SNP_P1_78324_37090724	NC_021163.1	Ca_kabuli_chr04	37090724	AA	TT	1940307241
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SNP_P1_78327_37091002	NC_021163.1	Ca_kabuli_chr04	37091002	AA	GG	1940307247
SNP_P1_78328_37091037	NC_021163.1	Ca_kabuli_chr04	37091037	TT	CC	1940307248
SNP_P1_78329_37091342	NC_021163.1	Ca_kabuli_chr04	37091342	AA	GG	1940307250
SNP_P1_78330_37091347	NC_021163.1	Ca_kabuli_chr04	37091347	TT	CC	1940307252
SNP_P1_78331_37091365	NC_021163.1	Ca_kabuli_chr04	37091365	AA	GG	1940307253
SNP_P1_78332_37091395	NC_021163.1	Ca_kabuli_chr04	37091395	TT	GG	1940307255
SNP_P1_78333_37091666	NC_021163.1	Ca_kabuli_chr04	37091666	TT	CC	1940307257
SNP_P1_78334_37091968	NC_021163.1	Ca_kabuli_chr04	37091968	GG	AA	1940307258

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78336_37091983	NC_021163.1	Ca_kabuli_chr04	37091983	TT	CC	1940307262
SNP_P1_78337_37092145	NC_021163.1	Ca_kabuli_chr04	37092145	CC	GG	1940307263
SNP_P1_78338_37092512	NC_021163.1	Ca_kabuli_chr04	37092512	GG	AA	1940307265
SNP_P1_78339_37092520	NC_021163.1	Ca_kabuli_chr04	37092520	GG	AA	1940307267
SNP_P1_78340_37092560	NC_021163.1	Ca_kabuli_chr04	37092560	AA	GG	1940307268
SNP_P1_78341_37092814	NC_021163.1	Ca_kabuli_chr04	37092814	AA	GG	1940307270
SNP_P1_78342_37092822	NC_021163.1	Ca_kabuli_chr04	37092822	GG	CC	1940307272
SNP_P1_78343_37092840	NC_021163.1	Ca_kabuli_chr04	37092840	TT	CC	1940307273
SNP_P1_78344_37093357	NC_021163.1	Ca_kabuli_chr04	37093357	GG	TT	1940307275
SNP_P1_78345_37093415	NC_021163.1	Ca_kabuli_chr04	37093415	CC	AA	1940307277
SNP_P1_78346_37093646	NC_021163.1	Ca_kabuli_chr04	37093646	AA	CC	1940307278
SNP_P1_78347_37093846	NC_021163.1	Ca_kabuli_chr04	37093846	CC	GG	1940307280
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SNP_P1_78352_37096575	NC_021163.1	Ca_kabuli_chr04	37096575	TT	GG	1940307287
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SNP_P1_78355_37098437	NC_021163.1	Ca_kabuli_chr04	37098437	AA	GG	1940307292
SNP_P1_78356_37098639	NC_021163.1	Ca_kabuli_chr04	37098639	CC	AA	1940307293
SNP_P1_78357_37098671	NC_021163.1	Ca_kabuli_chr04	37098671	CC	TT	1940307295
SNP_P1_78359_37098943	NC_021163.1	Ca_kabuli_chr04	37098943	TT	GG	1940307297
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SNP_P1_78361_37099480	NC_021163.1	Ca_kabuli_chr04	37099480	AA	TT	1940307300
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SNP_P1_78365_37099707	NC_021163.1	Ca_kabuli_chr04	37099707	AA	TT	1940307307
SNP_P1_78366_37099714	NC_021163.1	Ca_kabuli_chr04	37099714	TT	CC	1940307308
SNP_P1_78367_37099737	NC_021163.1	Ca_kabuli_chr04	37099737	CC	TT	1940307310
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SNP_P1_78370_37100007	NC_021163.1	Ca_kabuli_chr04	37100007	AA	TT	1940307313
SNP_P1_78371_37100076	NC_021163.1	Ca_kabuli_chr04	37100076	CC	TT	1940307315
SNP_P1_78372_37100109	NC_021163.1	Ca_kabuli_chr04	37100109	AA	GG	1940307316
SNP_P1_78373_37100119	NC_021163.1	Ca_kabuli_chr04	37100119	TT	CC	1940307318
SNP_P1_78374_37100126	NC_021163.1	Ca_kabuli_chr04	37100126	GG	TT	1940307320
SNP_P1_78375_37100134	NC_021163.1	Ca_kabuli_chr04	37100134	GG	CC	1940307321
SNP_P1_78376_37100839	NC_021163.1	Ca_kabuli_chr04	37100839	CC	TT	1940307323
SNP_P1_78377_37100859	NC_021163.1	Ca_kabuli_chr04	37100859	AA	CC	1940307325
SNP_P1_78378_37100863	NC_021163.1	Ca_kabuli_chr04	37100863	CC	TT	1940307326
SNP_P1_78379_37100953	NC_021163.1	Ca_kabuli_chr04	37100953	CC	AA	1940307328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78384_37101699	NC_021163.1	Ca_kabuli_chr04	37101699	TT	AA	1940307333
SNP_P1_78385_37104030	NC_021163.1	Ca_kabuli_chr04	37104030	GG	AA	1940307335
SNP_P1_78386_37104057	NC_021163.1	Ca_kabuli_chr04	37104057	CC	TT	1940307336
SNP_P1_78387_37104068	NC_021163.1	Ca_kabuli_chr04	37104068	GG	AA	1940307338
SNP_P1_78388_37104291	NC_021163.1	Ca_kabuli_chr04	37104291	GG	TT	1940307340
SNP_P1_78389_37104948	NC_021163.1	Ca_kabuli_chr04	37104948	GG	AA	1940307341
SNP_P1_78390_37105137	NC_021163.1	Ca_kabuli_chr04	37105137	CC	TT	1940307343
SNP_P1_78391_37105176	NC_021163.1	Ca_kabuli_chr04	37105176	AA	GG	1940307345
SNP_P1_78392_37105263	NC_021163.1	Ca_kabuli_chr04	37105263	CC	TT	1940307346
SNP_P1_78393_37105304	NC_021163.1	Ca_kabuli_chr04	37105304	GG	AA	1940307348
SNP_P1_78394_37105310	NC_021163.1	Ca_kabuli_chr04	37105310	TT	GG	1940307350
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SNP_P1_78398_37105448	NC_021163.1	Ca_kabuli_chr04	37105448	TT	CC	1940307356
SNP_P1_78400_37105541	NC_021163.1	Ca_kabuli_chr04	37105541	GG	AA	1940307358
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SNP_P1_78402_37105582	NC_021163.1	Ca_kabuli_chr04	37105582	TT	AA	1940307361
SNP_P1_78403_37105904	NC_021163.1	Ca_kabuli_chr04	37105904	GG	AA	1940307363
SNP_P1_78404_37105967	NC_021163.1	Ca_kabuli_chr04	37105967	TT	AA	1940307365
SNP_P1_78405_37106293	NC_021163.1	Ca_kabuli_chr04	37106293	GG	CC	1940307366
SNP_P1_78406_37106359	NC_021163.1	Ca_kabuli_chr04	37106359	TT	AA	1940307368
SNP_P1_78407_37106612	NC_021163.1	Ca_kabuli_chr04	37106612	TT	CC	1940307370
SNP_P1_78408_37106631	NC_021163.1	Ca_kabuli_chr04	37106631	CC	TT	1940307371
SNP_P1_78409_37106641	NC_021163.1	Ca_kabuli_chr04	37106641	GG	AA	1940307373
SNP_P1_78410_37106642	NC_021163.1	Ca_kabuli_chr04	37106642	CC	TT	1940307375
SNP_P1_78411_37107063	NC_021163.1	Ca_kabuli_chr04	37107063	TT	CC	1940307376
SNP_P1_78412_37107266	NC_021163.1	Ca_kabuli_chr04	37107266	CC	AA	1940307378
SNP_P1_78413_37107356	NC_021163.1	Ca_kabuli_chr04	37107356	GG	AA	1940307380
SNP_P1_78414_37107366	NC_021163.1	Ca_kabuli_chr04	37107366	CC	GG	1940307381
SNP_P1_78415_37107371	NC_021163.1	Ca_kabuli_chr04	37107371	GG	TT	1940307383
SNP_P1_78416_37107999	NC_021163.1	Ca_kabuli_chr04	37107999	TT	CC	1940307385
SNP_P1_78418_37108164	NC_021163.1	Ca_kabuli_chr04	37108164	CC	TT	1940307386
SNP_P1_78419_37108165	NC_021163.1	Ca_kabuli_chr04	37108165	TT	CC	1940307388
SNP_P1_78420_37108324	NC_021163.1	Ca_kabuli_chr04	37108324	CC	TT	1940307390
SNP_P1_78422_37108422	NC_021163.1	Ca_kabuli_chr04	37108422	TT	GG	1940307391
SNP_P1_78423_37108449	NC_021163.1	Ca_kabuli_chr04	37108449	AA	CC	1940307393
SNP_P1_78424_37108503	NC_021163.1	Ca_kabuli_chr04	37108503	CC	TT	1940307395
SNP_P1_78425_37108556	NC_021163.1	Ca_kabuli_chr04	37108556	CC	TT	1940307396
SNP_P1_78426_37108604	NC_021163.1	Ca_kabuli_chr04	37108604	CC	GG	1940307398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78428_37108623	NC_021163.1	Ca_kabuli_chr04	37108623	CC	TT	1940307401
SNP_P1_78429_37108637	NC_021163.1	Ca_kabuli_chr04	37108637	CC	GG	1940307403
SNP_P1_78430_37108825	NC_021163.1	Ca_kabuli_chr04	37108825	AA	GG	1940307405
SNP_P1_78431_37108859	NC_021163.1	Ca_kabuli_chr04	37108859	AA	TT	1940307406
SNP_P1_78432_37108867	NC_021163.1	Ca_kabuli_chr04	37108867	AA	CC	1940307408
SNP_P1_78433_37108883	NC_021163.1	Ca_kabuli_chr04	37108883	CC	TT	1940307410
SNP_P1_78434_37108918	NC_021163.1	Ca_kabuli_chr04	37108918	CC	GG	1940307411
SNP_P1_78435_37108956	NC_021163.1	Ca_kabuli_chr04	37108956	GG	AA	1940307413
SNP_P1_78436_37108967	NC_021163.1	Ca_kabuli_chr04	37108967	GG	TT	1940307415
SNP_P1_78437_37108976	NC_021163.1	Ca_kabuli_chr04	37108976	GG	AA	1940307416
SNP_P1_78438_37108977	NC_021163.1	Ca_kabuli_chr04	37108977	CC	TT	1940307418
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SNP_P1_78441_37110042	NC_021163.1	Ca_kabuli_chr04	37110042	GG	TT	1940307423
SNP_P1_78442_37110323	NC_021163.1	Ca_kabuli_chr04	37110323	AA	CC	1940307425
SNP_P1_78443_37117471	NC_021163.1	Ca_kabuli_chr04	37117471	GG	CC	1940307426
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SNP_P1_78447_37117810	NC_021163.1	Ca_kabuli_chr04	37117810	CC	TT	1940307431
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SNP_P1_78453_37118587	NC_021163.1	Ca_kabuli_chr04	37118587	TT	AA	1940307436
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SNP_P1_78456_37119583	NC_021163.1	Ca_kabuli_chr04	37119583	TT	AA	1940307440
SNP_P1_78459_37120017	NC_021163.1	Ca_kabuli_chr04	37120017	AA	CC	1940307441
SNP_P1_78460_37121485	NC_021163.1	Ca_kabuli_chr04	37121485	AA	TT	1940307443
SNP_P1_78461_37121914	NC_021163.1	Ca_kabuli_chr04	37121914	CC	TT	1940307445
SNP_P1_78462_37122631	NC_021163.1	Ca_kabuli_chr04	37122631	AA	TT	1940307446
SNP_P1_78463_37122691	NC_021163.1	Ca_kabuli_chr04	37122691	TT	AA	1940307448
SNP_P1_78464_37122912	NC_021163.1	Ca_kabuli_chr04	37122912	AA	TT	1940307450
SNP_P1_78465_37122926	NC_021163.1	Ca_kabuli_chr04	37122926	AA	GG	1940307451
SNP_P1_78466_37122936	NC_021163.1	Ca_kabuli_chr04	37122936	TT	AA	1940307453
SNP_P1_78468_37123059	NC_021163.1	Ca_kabuli_chr04	37123059	TT	CC	1940307455
SNP_P1_78470_37128602	NC_021163.1	Ca_kabuli_chr04	37128602	CC	TT	1940307456
SNP_P1_78471_37128744	NC_021163.1	Ca_kabuli_chr04	37128744	CC	GG	1940307458
SNP_P1_78472_37128760	NC_021163.1	Ca_kabuli_chr04	37128760	GG	TT	1940307460
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SNP_P1_78474_37128951	NC_021163.1	Ca_kabuli_chr04	37128951	GG	AA	1940307463
SNP_P1_78475_37129775	NC_021163.1	Ca_kabuli_chr04	37129775	CC	GG	1940307465
SNP_P1_78476_37129906	NC_021163.1	Ca_kabuli_chr04	37129906	CC	AA	1940307466
SNP_P1_78478_37130941	NC_021163.1	Ca_kabuli_chr04	37130941	TT	GG	1940307468

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78482_37131249	NC_021163.1	Ca_kabuli_chr04	37131249	GG	AA	1940307473
SNP_P1_78483_37131284	NC_021163.1	Ca_kabuli_chr04	37131284	CC	GG	1940307475
SNP_P1_78485_37131343	NC_021163.1	Ca_kabuli_chr04	37131343	GG	AA	1940307476
SNP_P1_78486_37131367	NC_021163.1	Ca_kabuli_chr04	37131367	AA	GG	1940307478
SNP_P1_78487_37131387	NC_021163.1	Ca_kabuli_chr04	37131387	TT	CC	1940307480
SNP_P1_78488_37131476	NC_021163.1	Ca_kabuli_chr04	37131476	AA	GG	1940307481
SNP_P1_78489_37131492	NC_021163.1	Ca_kabuli_chr04	37131492	TT	AA	1940307483
SNP_P1_78493_37131796	NC_021163.1	Ca_kabuli_chr04	37131796	AA	GG	1940307485
SNP_P1_78496_37131841	NC_021163.1	Ca_kabuli_chr04	37131841	TT	GG	1940307486
SNP_P1_78497_37132130	NC_021163.1	Ca_kabuli_chr04	37132130	TT	GG	1940307488
SNP_P1_78498_37132263	NC_021163.1	Ca_kabuli_chr04	37132263	GG	AA	1940307490
SNP_P1_78499_37132471	NC_021163.1	Ca_kabuli_chr04	37132471	TT	CC	1940307491
SNP_P1_78500_37132481	NC_021163.1	Ca_kabuli_chr04	37132481	CC	TT	1940307493
SNP_P1_78501_37154671	NC_021163.1	Ca_kabuli_chr04	37154671	CC	TT	1940307495
SNP_P1_78502_37158713	NC_021163.1	Ca_kabuli_chr04	37158713	TT	AA	1940307496
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SNP_P1_78507_37206036	NC_021163.1	Ca_kabuli_chr04	37206036	CC	TT	1940307505
SNP_P1_78508_37206073	NC_021163.1	Ca_kabuli_chr04	37206073	CC	TT	1940307506
SNP_P1_78509_37246133	NC_021163.1	Ca_kabuli_chr04	37246133	TT	CC	1940307508
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SNP_P1_78512_37258904	NC_021163.1	Ca_kabuli_chr04	37258904	AA	TT	1940307513
SNP_P1_78513_37258905	NC_021163.1	Ca_kabuli_chr04	37258905	AA	TT	1940307515
SNP_P1_78514_37265638	NC_021163.1	Ca_kabuli_chr04	37265638	TT	CC	1940307516
SNP_P1_78515_37305058	NC_021163.1	Ca_kabuli_chr04	37305058	CC	AA	1940307518
SNP_P1_78516_37311794	NC_021163.1	Ca_kabuli_chr04	37311794	TT	CC	1940307520
SNP_P1_78518_37321808	NC_021163.1	Ca_kabuli_chr04	37321808	CC	TT	1940307521
SNP_P1_78521_37365603	NC_021163.1	Ca_kabuli_chr04	37365603	GG	TT	1940307523
SNP_P1_78522_37370108	NC_021163.1	Ca_kabuli_chr04	37370108	TT	CC	1940307525
SNP_P1_78523_37373394	NC_021163.1	Ca_kabuli_chr04	37373394	GG	TT	1940307526
SNP_P1_78524_37382555	NC_021163.1	Ca_kabuli_chr04	37382555	GG	AA	1940307528
SNP_P1_78526_37384531	NC_021163.1	Ca_kabuli_chr04	37384531	TT	AA	1940307530
SNP_P1_78527_37384537	NC_021163.1	Ca_kabuli_chr04	37384537	AA	TT	1940307531
SNP_P1_78528_37384540	NC_021163.1	Ca_kabuli_chr04	37384540	TT	GG	1940307533
SNP_P1_78529_37397154	NC_021163.1	Ca_kabuli_chr04	37397154	AA	GG	1940307535
SNP_P1_78531_37404226	NC_021163.1	Ca_kabuli_chr04	37404226	GG	AA	1940307536
SNP_P1_78532_37419199	NC_021163.1	Ca_kabuli_chr04	37419199	AA	GG	1940307538

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78535_37419256	NC_021163.1	Ca_kabuli_chr04	37419256	GG	AA	1940307541
SNP_P1_78536_37419262	NC_021163.1	Ca_kabuli_chr04	37419262	GG	AA	1940307543
SNP_P1_78539_37444046	NC_021163.1	Ca_kabuli_chr04	37444046	TT	CC	1940307545
SNP_P1_78540_37444230	NC_021163.1	Ca_kabuli_chr04	37444230	TT	CC	1940307546
SNP_P1_78541_37445687	NC_021163.1	Ca_kabuli_chr04	37445687	TT	CC	1940307548
SNP_P1_78542_37448089	NC_021163.1	Ca_kabuli_chr04	37448089	AA	TT	1940307550
SNP_P1_78543_37460337	NC_021163.1	Ca_kabuli_chr04	37460337	AA	TT	1940307551
SNP_P1_78544_37463407	NC_021163.1	Ca_kabuli_chr04	37463407	GG	AA	1940307553
SNP_P1_78545_37467290	NC_021163.1	Ca_kabuli_chr04	37467290	TT	AA	1940307555
SNP_P1_78546_37472887	NC_021163.1	Ca_kabuli_chr04	37472887	AA	GG	1940307556
SNP_P1_78547_37476154	NC_021163.1	Ca_kabuli_chr04	37476154	CC	GG	1940307558
SNP_P1_78548_37476420	NC_021163.1	Ca_kabuli_chr04	37476420	AA	GG	1940307560
SNP_P1_78549_37481314	NC_021163.1	Ca_kabuli_chr04	37481314	TT	CC	1940307561
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SNP_P1_78551_37484693	NC_021163.1	Ca_kabuli_chr04	37484693	AA	TT	1940307565
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SNP_P1_78554_37519455	NC_021163.1	Ca_kabuli_chr04	37519455	TT	CC	1940307568
SNP_P1_78556_37519804	NC_021163.1	Ca_kabuli_chr04	37519804	AA	GG	1940307570
SNP_P1_78557_37519820	NC_021163.1	Ca_kabuli_chr04	37519820	AA	TT	1940307571
SNP_P1_78558_37519893	NC_021163.1	Ca_kabuli_chr04	37519893	AA	GG	1940307573
SNP_P1_78559_37525049	NC_021163.1	Ca_kabuli_chr04	37525049	TT	CC	1940307575
SNP_P1_78560_37532016	NC_021163.1	Ca_kabuli_chr04	37532016	TT	CC	1940307576
SNP_P1_78561_37545696	NC_021163.1	Ca_kabuli_chr04	37545696	TT	AA	1940307578
SNP_P1_78562_37554766	NC_021163.1	Ca_kabuli_chr04	37554766	AA	GG	1940307580
SNP_P1_78563_37554827	NC_021163.1	Ca_kabuli_chr04	37554827	CC	GG	1940307581
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SNP_P1_78567_37604628	NC_021163.1	Ca_kabuli_chr04	37604628	GG	AA	1940307588
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SNP_P1_78569_37621698	NC_021163.1	Ca_kabuli_chr04	37621698	TT	CC	1940307591
SNP_P1_78570_37621731	NC_021163.1	Ca_kabuli_chr04	37621731	TT	AA	1940307593
SNP_P1_78571_37621752	NC_021163.1	Ca_kabuli_chr04	37621752	TT	CC	1940307595
SNP_P1_78572_37621940	NC_021163.1	Ca_kabuli_chr04	37621940	AA	CC	1940307596
SNP_P1_78573_37622100	NC_021163.1	Ca_kabuli_chr04	37622100	AA	CC	1940307598
SNP_P1_78574_37622110	NC_021163.1	Ca_kabuli_chr04	37622110	CC	TT	1940307600
SNP_P1_78575_37623624	NC_021163.1	Ca_kabuli_chr04	37623624	TT	GG	1940307602
SNP_P1_78576_37623718	NC_021163.1	Ca_kabuli_chr04	37623718	AA	CC	1940307603
SNP_P1_78578_37671115	NC_021163.1	Ca_kabuli_chr04	37671115	TT	GG	1940307605
SNP_P1_78579_37671522	NC_021163.1	Ca_kabuli_chr04	37671522	GG	AA	1940307607
SNP_P1_78580_37671550	NC_021163.1	Ca_kabuli_chr04	37671550	TT	CC	1940307608

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78582_37674020	NC_021163.1	Ca_kabuli_chr04	37674020	GG	AA	1940307611
SNP_P1_78583_37674065	NC_021163.1	Ca_kabuli_chr04	37674065	CC	TT	1940307613
SNP_P1_78584_37681347	NC_021163.1	Ca_kabuli_chr04	37681347	CC	TT	1940307615
SNP_P1_78585_37682636	NC_021163.1	Ca_kabuli_chr04	37682636	AA	GG	1940307616
SNP_P1_78587_37703722	NC_021163.1	Ca_kabuli_chr04	37703722	CC	TT	1940307618
SNP_P1_78588_37703751	NC_021163.1	Ca_kabuli_chr04	37703751	TT	CC	1940307620
SNP_P1_78589_37703863	NC_021163.1	Ca_kabuli_chr04	37703863	AA	TT	1940307622
SNP_P1_78590_37703941	NC_021163.1	Ca_kabuli_chr04	37703941	AA	GG	1940307623
SNP_P1_78591_37704077	NC_021163.1	Ca_kabuli_chr04	37704077	AA	CC	1940307625
SNP_P1_78592_37704106	NC_021163.1	Ca_kabuli_chr04	37704106	CC	AA	1940307626
SNP_P1_78593_37704109	NC_021163.1	Ca_kabuli_chr04	37704109	AA	CC	1940307628
SNP_P1_78594_37704114	NC_021163.1	Ca_kabuli_chr04	37704114	AA	CC	1940307630
SNP_P1_78595_37704272	NC_021163.1	Ca_kabuli_chr04	37704272	TT	GG	1940307631
SNP_P1_78597_37704307	NC_021163.1	Ca_kabuli_chr04	37704307	GG	AA	1940307633
SNP_P1_78598_37704345	NC_021163.1	Ca_kabuli_chr04	37704345	AA	GG	1940307635
SNP_P1_78599_37704705	NC_021163.1	Ca_kabuli_chr04	37704705	TT	GG	1940307636
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SNP_P1_78601_37704782	NC_021163.1	Ca_kabuli_chr04	37704782	CC	AA	1940307640
SNP_P1_78602_37705061	NC_021163.1	Ca_kabuli_chr04	37705061	TT	AA	1940307641
SNP_P1_78603_37705224	NC_021163.1	Ca_kabuli_chr04	37705224	GG	TT	1940307643
SNP_P1_78604_37705317	NC_021163.1	Ca_kabuli_chr04	37705317	AA	GG	1940307645
SNP_P1_78605_37705335	NC_021163.1	Ca_kabuli_chr04	37705335	TT	CC	1940307646
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SNP_P1_78608_37705885	NC_021163.1	Ca_kabuli_chr04	37705885	TT	CC	1940307651
SNP_P1_78613_37707088	NC_021163.1	Ca_kabuli_chr04	37707088	CC	TT	1940307653
SNP_P1_78614_37707106	NC_021163.1	Ca_kabuli_chr04	37707106	GG	CC	1940307655
SNP_P1_78616_37708911	NC_021163.1	Ca_kabuli_chr04	37708911	GG	CC	1940307656
SNP_P1_78617_37708964	NC_021163.1	Ca_kabuli_chr04	37708964	GG	TT	1940307658
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SNP_P1_78619_37709043	NC_021163.1	Ca_kabuli_chr04	37709043	GG	TT	1940307661
SNP_P1_78620_37709221	NC_021163.1	Ca_kabuli_chr04	37709221	TT	CC	1940307663
SNP_P1_78621_37709251	NC_021163.1	Ca_kabuli_chr04	37709251	TT	GG	1940307665
SNP_P1_78622_37709255	NC_021163.1	Ca_kabuli_chr04	37709255	AA	CC	1940307667
SNP_P1_78623_37709257	NC_021163.1	Ca_kabuli_chr04	37709257	AA	GG	1940307668
SNP_P1_78624_37732531	NC_021163.1	Ca_kabuli_chr04	37732531	CC	TT	1940307670
SNP_P1_78625_37732559	NC_021163.1	Ca_kabuli_chr04	37732559	TT	CC	1940307672
SNP_P1_78626_37732565	NC_021163.1	Ca_kabuli_chr04	37732565	CC	TT	1940307673
SNP_P1_78627_37732577	NC_021163.1	Ca_kabuli_chr04	37732577	CC	TT	1940307675
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SNP_P1_78630_37761879	NC_021163.1	Ca_kabuli_chr04	37761879	AA	GG	1940307678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78632_37761981	NC_021163.1	Ca_kabuli_chr04	37761981	GG	AA	1940307682
SNP_P1_78633_37767485	NC_021163.1	Ca_kabuli_chr04	37767485	AA	GG	1940307683
SNP_P1_78634_37784047	NC_021163.1	Ca_kabuli_chr04	37784047	CC	TT	1940307685
SNP_P1_78636_37800582	NC_021163.1	Ca_kabuli_chr04	37800582	AA	GG	1940307687
SNP_P1_78638_37818793	NC_021163.1	Ca_kabuli_chr04	37818793	GG	AA	1940307688
SNP_P1_78639_37821279	NC_021163.1	Ca_kabuli_chr04	37821279	TT	CC	1940307690
SNP_P1_78640_37822235	NC_021163.1	Ca_kabuli_chr04	37822235	GG	CC	1940307692
SNP_P1_78641_37822236	NC_021163.1	Ca_kabuli_chr04	37822236	TT	CC	1940307693
SNP_P1_78643_37829264	NC_021163.1	Ca_kabuli_chr04	37829264	CC	TT	1940307695
SNP_P1_78644_37842425	NC_021163.1	Ca_kabuli_chr04	37842425	CC	TT	1940307697
SNP_P1_78645_37855848	NC_021163.1	Ca_kabuli_chr04	37855848	AA	TT	1940307698
SNP_P1_78646_37855849	NC_021163.1	Ca_kabuli_chr04	37855849	AA	GG	1940307700
SNP_P1_78647_37857060	NC_021163.1	Ca_kabuli_chr04	37857060	AA	GG	1940307702
SNP_P1_78649_37858157	NC_021163.1	Ca_kabuli_chr04	37858157	GG	AA	1940307703
SNP_P1_78650_37861232	NC_021163.1	Ca_kabuli_chr04	37861232	AA	GG	1940307705
SNP_P1_78652_37883861	NC_021163.1	Ca_kabuli_chr04	37883861	AA	TT	1940307707
SNP_P1_78653_37883863	NC_021163.1	Ca_kabuli_chr04	37883863	TT	CC	1940307708
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SNP_P1_78661_38001230	NC_021163.1	Ca_kabuli_chr04	38001230	GG	AA	1940307718
SNP_P1_78662_38001285	NC_021163.1	Ca_kabuli_chr04	38001285	CC	TT	1940307720
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SNP_P1_78666_38017687	NC_021163.1	Ca_kabuli_chr04	38017687	GG	CC	1940307727
SNP_P1_78668_38045168	NC_021163.1	Ca_kabuli_chr04	38045168	TT	CC	1940307728
SNP_P1_78669_38049134	NC_021163.1	Ca_kabuli_chr04	38049134	AA	CC	1940307730
SNP_P1_78670_38050298	NC_021163.1	Ca_kabuli_chr04	38050298	AA	GG	1940307732
SNP_P1_78671_38057517	NC_021163.1	Ca_kabuli_chr04	38057517	AA	GG	1940307733
SNP_P1_78672_38067942	NC_021163.1	Ca_kabuli_chr04	38067942	GG	AA	1940307735
SNP_P1_78674_38087479	NC_021163.1	Ca_kabuli_chr04	38087479	TT	AA	1940307737
SNP_P1_78675_38102726	NC_021163.1	Ca_kabuli_chr04	38102726	AA	GG	1940307738
SNP_P1_78676_38115192	NC_021163.1	Ca_kabuli_chr04	38115192	GG	AA	1940307740
SNP_P1_78677_38117792	NC_021163.1	Ca_kabuli_chr04	38117792	GG	AA	1940307742
SNP_P1_78678_38129420	NC_021163.1	Ca_kabuli_chr04	38129420	AA	TT	1940307743
SNP_P1_78679_38132420	NC_021163.1	Ca_kabuli_chr04	38132420	AA	TT	1940307745
SNP_P1_78680_38132424	NC_021163.1	Ca_kabuli_chr04	38132424	AA	TT	1940307747
SNP_P1_78681_38142906	NC_021163.1	Ca_kabuli_chr04	38142906	CC	TT	1940307748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78685_38279037	NC_021163.1	Ca_kabuli_chr04	38279037	AA	GG	1940307753
SNP_P1_78686_38299697	NC_021163.1	Ca_kabuli_chr04	38299697	CC	TT	1940307755
SNP_P1_78687_38299922	NC_021163.1	Ca_kabuli_chr04	38299922	TT	CC	1940307757
SNP_P1_78688_38299931	NC_021163.1	Ca_kabuli_chr04	38299931	CC	TT	1940307758
SNP_P1_78689_38317573	NC_021163.1	Ca_kabuli_chr04	38317573	GG	CC	1940307760
SNP_P1_78690_38335933	NC_021163.1	Ca_kabuli_chr04	38335933	TT	GG	1940307762
SNP_P1_78691_38335973	NC_021163.1	Ca_kabuli_chr04	38335973	AA	GG	1940307763
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SNP_P1_78693_38336229	NC_021163.1	Ca_kabuli_chr04	38336229	GG	TT	1940307767
SNP_P1_78694_38336251	NC_021163.1	Ca_kabuli_chr04	38336251	TT	CC	1940307768
SNP_P1_78695_38336291	NC_021163.1	Ca_kabuli_chr04	38336291	CC	TT	1940307770
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SNP_P1_78698_38367342	NC_021163.1	Ca_kabuli_chr04	38367342	AA	GG	1940307775
SNP_P1_78699_38367373	NC_021163.1	Ca_kabuli_chr04	38367373	TT	GG	1940307777
SNP_P1_78700_38367382	NC_021163.1	Ca_kabuli_chr04	38367382	GG	AA	1940307778
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SNP_P1_78703_38388830	NC_021163.1	Ca_kabuli_chr04	38388830	TT	CC	1940307783
SNP_P1_78704_38398580	NC_021163.1	Ca_kabuli_chr04	38398580	AA	CC	1940307785
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SNP_P1_78706_38411377	NC_021163.1	Ca_kabuli_chr04	38411377	TT	GG	1940307788
SNP_P1_78708_38483166	NC_021163.1	Ca_kabuli_chr04	38483166	AA	GG	1940307790
SNP_P1_78709_38491574	NC_021163.1	Ca_kabuli_chr04	38491574	TT	GG	1940307792
SNP_P1_78710_38542943	NC_021163.1	Ca_kabuli_chr04	38542943	GG	TT	1940307793
SNP_P1_78711_38542946	NC_021163.1	Ca_kabuli_chr04	38542946	TT	CC	1940307795
SNP_P1_78712_38543852	NC_021163.1	Ca_kabuli_chr04	38543852	TT	CC	1940307797
SNP_P1_78713_38602014	NC_021163.1	Ca_kabuli_chr04	38602014	AA	GG	1940307798
SNP_P1_78714_38604234	NC_021163.1	Ca_kabuli_chr04	38604234	TT	AA	1940307800
SNP_P1_78715_38604238	NC_021163.1	Ca_kabuli_chr04	38604238	AA	CC	1940307802
SNP_P1_78716_38607587	NC_021163.1	Ca_kabuli_chr04	38607587	GG	CC	1940307804
SNP_P1_78717_38607669	NC_021163.1	Ca_kabuli_chr04	38607669	AA	GG	1940307805
SNP_P1_78719_38619368	NC_021163.1	Ca_kabuli_chr04	38619368	GG	CC	1940307807
SNP_P1_78720_38624438	NC_021163.1	Ca_kabuli_chr04	38624438	GG	AA	1940307809
SNP_P1_78721_38627292	NC_021163.1	Ca_kabuli_chr04	38627292	GG	CC	1940307810
SNP_P1_78722_38633917	NC_021163.1	Ca_kabuli_chr04	38633917	AA	GG	1940307812
SNP_P1_78723_38633918	NC_021163.1	Ca_kabuli_chr04	38633918	AA	TT	1940307814
SNP_P1_78724_38633929	NC_021163.1	Ca_kabuli_chr04	38633929	CC	AA	1940307815
SNP_P1_78725_38635271	NC_021163.1	Ca_kabuli_chr04	38635271	CC	TT	1940307817
SNP_P1_78726_38637722	NC_021163.1	Ca_kabuli_chr04	38637722	TT	GG	1940307819

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78728_38643054	NC_021163.1	Ca_kabuli_chr04	38643054	TT	CC	1940307822
SNP_P1_78729_38655152	NC_021163.1	Ca_kabuli_chr04	38655152	AA	GG	1940307824
SNP_P1_78732_38692790	NC_021163.1	Ca_kabuli_chr04	38692790	TT	GG	1940307825
SNP_P1_78733_38693597	NC_021163.1	Ca_kabuli_chr04	38693597	TT	CC	1940307827
SNP_P1_78734_38701061	NC_021163.1	Ca_kabuli_chr04	38701061	TT	CC	1940307829
SNP_P1_78735_38715192	NC_021163.1	Ca_kabuli_chr04	38715192	AA	GG	1940307830
SNP_P1_78736_38731251	NC_021163.1	Ca_kabuli_chr04	38731251	TT	GG	1940307832
SNP_P1_78737_38746029	NC_021163.1	Ca_kabuli_chr04	38746029	AA	GG	1940307834
SNP_P1_78738_38777704	NC_021163.1	Ca_kabuli_chr04	38777704	TT	AA	1940307835
SNP_P1_78739_38793368	NC_021163.1	Ca_kabuli_chr04	38793368	AA	TT	1940307837
SNP_P1_78740_38795790	NC_021163.1	Ca_kabuli_chr04	38795790	TT	CC	1940307839
SNP_P1_78741_38801446	NC_021163.1	Ca_kabuli_chr04	38801446	GG	TT	1940307840
SNP_P1_78743_38840151	NC_021163.1	Ca_kabuli_chr04	38840151	TT	CC	1940307842
SNP_P1_78744_38840204	NC_021163.1	Ca_kabuli_chr04	38840204	TT	CC	1940307844
SNP_P1_78745_38840550	NC_021163.1	Ca_kabuli_chr04	38840550	GG	CC	1940307845
SNP_P1_78746_38840551	NC_021163.1	Ca_kabuli_chr04	38840551	GG	AA	1940307847
SNP_P1_78747_38840564	NC_021163.1	Ca_kabuli_chr04	38840564	CC	TT	1940307849
SNP_P1_78749_38856348	NC_021163.1	Ca_kabuli_chr04	38856348	TT	CC	1940307850
SNP_P1_78750_38856489	NC_021163.1	Ca_kabuli_chr04	38856489	GG	AA	1940307852
SNP_P1_78753_38898742	NC_021163.1	Ca_kabuli_chr04	38898742	CC	TT	1940307854
SNP_P1_78754_38898757	NC_021163.1	Ca_kabuli_chr04	38898757	GG	AA	1940307855
SNP_P1_78755_38898795	NC_021163.1	Ca_kabuli_chr04	38898795	TT	CC	1940307857
SNP_P1_78756_38898798	NC_021163.1	Ca_kabuli_chr04	38898798	AA	GG	1940307859
SNP_P1_78757_38899145	NC_021163.1	Ca_kabuli_chr04	38899145	CC	TT	1940307860
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SNP_P1_78761_38899340	NC_021163.1	Ca_kabuli_chr04	38899340	GG	AA	1940307867
SNP_P1_78762_38899344	NC_021163.1	Ca_kabuli_chr04	38899344	GG	AA	1940307869
SNP_P1_78763_38899346	NC_021163.1	Ca_kabuli_chr04	38899346	GG	CC	1940307870
SNP_P1_78764_38899740	NC_021163.1	Ca_kabuli_chr04	38899740	AA	GG	1940307872
SNP_P1_78765_38899768	NC_021163.1	Ca_kabuli_chr04	38899768	GG	AA	1940307874
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SNP_P1_78767_38914567	NC_021163.1	Ca_kabuli_chr04	38914567	GG	AA	1940307877
SNP_P1_78768_38936850	NC_021163.1	Ca_kabuli_chr04	38936850	AA	GG	1940307879
SNP_P1_78769_38936853	NC_021163.1	Ca_kabuli_chr04	38936853	GG	AA	1940307880
SNP_P1_78771_38972898	NC_021163.1	Ca_kabuli_chr04	38972898	AA	GG	1940307882
SNP_P1_78772_38999105	NC_021163.1	Ca_kabuli_chr04	38999105	AA	TT	1940307884
SNP_P1_78773_39003052	NC_021163.1	Ca_kabuli_chr04	39003052	AA	GG	1940307885
SNP_P1_78774_39016285	NC_021163.1	Ca_kabuli_chr04	39016285	TT	GG	1940307887
SNP_P1_78777_39028870	NC_021163.1	Ca_kabuli_chr04	39028870	CC	TT	1940307889

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78783_39070306	NC_021163.1	Ca_kabuli_chr04	39070306	GG	AA	1940307894
SNP_P1_78784_39070326	NC_021163.1	Ca_kabuli_chr04	39070326	TT	AA	1940307895
SNP_P1_78785_39070328	NC_021163.1	Ca_kabuli_chr04	39070328	TT	GG	1940307897
SNP_P1_78786_39070683	NC_021163.1	Ca_kabuli_chr04	39070683	TT	CC	1940307899
SNP_P1_78787_39072788	NC_021163.1	Ca_kabuli_chr04	39072788	CC	GG	1940307900
SNP_P1_78788_39072949	NC_021163.1	Ca_kabuli_chr04	39072949	TT	GG	1940307902
SNP_P1_78790_39127592	NC_021163.1	Ca_kabuli_chr04	39127592	GG	AA	1940307904
SNP_P1_78791_39127602	NC_021163.1	Ca_kabuli_chr04	39127602	TT	CC	1940307905
SNP_P1_78792_39127616	NC_021163.1	Ca_kabuli_chr04	39127616	TT	CC	1940307907
SNP_P1_78794_39153741	NC_021163.1	Ca_kabuli_chr04	39153741	TT	AA	1940307909
SNP_P1_78796_39183749	NC_021163.1	Ca_kabuli_chr04	39183749	GG	TT	1940307910
SNP_P1_78798_39188732	NC_021163.1	Ca_kabuli_chr04	39188732	GG	AA	1940307912
SNP_P1_78799_39189724	NC_021163.1	Ca_kabuli_chr04	39189724	TT	CC	1940307914
SNP_P1_78800_39189849	NC_021163.1	Ca_kabuli_chr04	39189849	AA	GG	1940307915
SNP_P1_78801_39190055	NC_021163.1	Ca_kabuli_chr04	39190055	GG	AA	1940307917
SNP_P1_78802_39194796	NC_021163.1	Ca_kabuli_chr04	39194796	CC	AA	1940307919
SNP_P1_78803_39235953	NC_021163.1	Ca_kabuli_chr04	39235953	AA	CC	1940307920
SNP_P1_78804_39252847	NC_021163.1	Ca_kabuli_chr04	39252847	GG	TT	1940307922
SNP_P1_78807_39298454	NC_021163.1	Ca_kabuli_chr04	39298454	CC	AA	1940307924
SNP_P1_78808_39298457	NC_021163.1	Ca_kabuli_chr04	39298457	GG	AA	1940307925
SNP_P1_78809_39298506	NC_021163.1	Ca_kabuli_chr04	39298506	CC	TT	1940307927
SNP_P1_78810_39298732	NC_021163.1	Ca_kabuli_chr04	39298732	AA	GG	1940307929
SNP_P1_78811_39298762	NC_021163.1	Ca_kabuli_chr04	39298762	AA	TT	1940307930
SNP_P1_78812_39299025	NC_021163.1	Ca_kabuli_chr04	39299025	GG	CC	1940307932
SNP_P1_78813_39299037	NC_021163.1	Ca_kabuli_chr04	39299037	GG	TT	1940307934
SNP_P1_78814_39299050	NC_021163.1	Ca_kabuli_chr04	39299050	AA	GG	1940307935
SNP_P1_78815_39302940	NC_021163.1	Ca_kabuli_chr04	39302940	TT	AA	1940307937
SNP_P1_78816_39302941	NC_021163.1	Ca_kabuli_chr04	39302941	TT	AA	1940307939
SNP_P1_78817_39302948	NC_021163.1	Ca_kabuli_chr04	39302948	CC	AA	1940307940
SNP_P1_78818_39302959	NC_021163.1	Ca_kabuli_chr04	39302959	CC	TT	1940307942
SNP_P1_78819_39304335	NC_021163.1	Ca_kabuli_chr04	39304335	TT	GG	1940307944
SNP_P1_78820_39312505	NC_021163.1	Ca_kabuli_chr04	39312505	AA	TT	1940307945
SNP_P1_78821_39331811	NC_021163.1	Ca_kabuli_chr04	39331811	AA	GG	1940307947
SNP_P1_78822_39342791	NC_021163.1	Ca_kabuli_chr04	39342791	CC	TT	1940307949
SNP_P1_78823_39348592	NC_021163.1	Ca_kabuli_chr04	39348592	AA	TT	1940307950
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SNP_P1_78825_39385016	NC_021163.1	Ca_kabuli_chr04	39385016	AA	TT	1940307954
SNP_P1_78826_39643318	NC_021163.1	Ca_kabuli_chr04	39643318	AA	GG	1940307955
SNP_P1_78827_39644741	NC_021163.1	Ca_kabuli_chr04	39644741	TT	CC	1940307957
SNP_P1_78828_39644758	NC_021163.1	Ca_kabuli_chr04	39644758	TT	CC	1940307959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78830_39644847	NC_021163.1	Ca_kabuli_chr04	39644847	AA	TT	1940307962
SNP_P1_78831_39644867	NC_021163.1	Ca_kabuli_chr04	39644867	TT	CC	1940307964
SNP_P1_78832_39645056	NC_021163.1	Ca_kabuli_chr04	39645056	GG	AA	1940307965
SNP_P1_78833_39645077	NC_021163.1	Ca_kabuli_chr04	39645077	CC	AA	1940307967
SNP_P1_78835_39647285	NC_021163.1	Ca_kabuli_chr04	39647285	CC	TT	1940307969
SNP_P1_78836_39648930	NC_021163.1	Ca_kabuli_chr04	39648930	TT	AA	1940307970
SNP_P1_78837_39649336	NC_021163.1	Ca_kabuli_chr04	39649336	CC	TT	1940307972
SNP_P1_78838_39655072	NC_021163.1	Ca_kabuli_chr04	39655072	CC	AA	1940307974
SNP_P1_78840_39688910	NC_021163.1	Ca_kabuli_chr04	39688910	AA	CC	1940307975
SNP_P1_78841_39689095	NC_021163.1	Ca_kabuli_chr04	39689095	CC	AA	1940307977
SNP_P1_78842_39689098	NC_021163.1	Ca_kabuli_chr04	39689098	TT	GG	1940307979
SNP_P1_78844_39689210	NC_021163.1	Ca_kabuli_chr04	39689210	GG	AA	1940307980
SNP_P1_78845_39689278	NC_021163.1	Ca_kabuli_chr04	39689278	AA	CC	1940307982
SNP_P1_78846_39689287	NC_021163.1	Ca_kabuli_chr04	39689287	TT	GG	1940307984
SNP_P1_78847_39689301	NC_021163.1	Ca_kabuli_chr04	39689301	AA	CC	1940307985
SNP_P1_78848_39689308	NC_021163.1	Ca_kabuli_chr04	39689308	AA	GG	1940307987
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SNP_P1_78852_39689408	NC_021163.1	Ca_kabuli_chr04	39689408	GG	TT	1940307994
SNP_P1_78853_39689423	NC_021163.1	Ca_kabuli_chr04	39689423	GG	TT	1940307995
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SNP_P1_78856_39691522	NC_021163.1	Ca_kabuli_chr04	39691522	AA	TT	1940308000
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SNP_P1_78858_39691540	NC_021163.1	Ca_kabuli_chr04	39691540	AA	GG	1940308004
SNP_P1_78859_39697721	NC_021163.1	Ca_kabuli_chr04	39697721	AA	GG	1940308005
SNP_P1_78860_39697730	NC_021163.1	Ca_kabuli_chr04	39697730	AA	CC	1940308007
SNP_P1_78861_39697916	NC_021163.1	Ca_kabuli_chr04	39697916	CC	AA	1940308009
SNP_P1_78862_39697917	NC_021163.1	Ca_kabuli_chr04	39697917	AA	TT	1940308010
SNP_P1_78863_39697918	NC_021163.1	Ca_kabuli_chr04	39697918	AA	GG	1940308012
SNP_P1_78864_39697924	NC_021163.1	Ca_kabuli_chr04	39697924	TT	AA	1940308014
SNP_P1_78865_39698903	NC_021163.1	Ca_kabuli_chr04	39698903	AA	GG	1940308015
SNP_P1_78866_39701784	NC_021163.1	Ca_kabuli_chr04	39701784	TT	GG	1940308017
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SNP_P1_78870_39759069	NC_021163.1	Ca_kabuli_chr04	39759069	TT	AA	1940308020
SNP_P1_78871_39761406	NC_021163.1	Ca_kabuli_chr04	39761406	GG	TT	1940308022
SNP_P1_78872_39764566	NC_021163.1	Ca_kabuli_chr04	39764566	CC	GG	1940308024
SNP_P1_78873_39766689	NC_021163.1	Ca_kabuli_chr04	39766689	TT	AA	1940308025
SNP_P1_78874_39850341	NC_021163.1	Ca_kabuli_chr04	39850341	AA	GG	1940308027
SNP_P1_78875_39850343	NC_021163.1	Ca_kabuli_chr04	39850343	AA	TT	1940308029

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78877_39882838	NC_021163.1	Ca_kabuli_chr04	39882838	GG	AA	1940308032
SNP_P1_78878_39889371	NC_021163.1	Ca_kabuli_chr04	39889371	TT	CC	1940308034
SNP_P1_78879_39889447	NC_021163.1	Ca_kabuli_chr04	39889447	GG	AA	1940308035
SNP_P1_78880_39889473	NC_021163.1	Ca_kabuli_chr04	39889473	GG	AA	1940308037
SNP_P1_78881_39889515	NC_021163.1	Ca_kabuli_chr04	39889515	AA	TT	1940308039
SNP_P1_78882_39889534	NC_021163.1	Ca_kabuli_chr04	39889534	GG	AA	1940308040
SNP_P1_78883_39892228	NC_021163.1	Ca_kabuli_chr04	39892228	AA	CC	1940308042
SNP_P1_78884_39892448	NC_021163.1	Ca_kabuli_chr04	39892448	CC	TT	1940308044
SNP_P1_78885_39898498	NC_021163.1	Ca_kabuli_chr04	39898498	AA	TT	1940308045
SNP_P1_78886_39904157	NC_021163.1	Ca_kabuli_chr04	39904157	TT	CC	1940308047
SNP_P1_78887_39907464	NC_021163.1	Ca_kabuli_chr04	39907464	AA	CC	1940308049
SNP_P1_78888_39910546	NC_021163.1	Ca_kabuli_chr04	39910546	TT	GG	1940308050
SNP_P1_78889_39916539	NC_021163.1	Ca_kabuli_chr04	39916539	CC	TT	1940308052
SNP_P1_78890_39923611	NC_021163.1	Ca_kabuli_chr04	39923611	CC	AA	1940308054
SNP_P1_78891_39929609	NC_021163.1	Ca_kabuli_chr04	39929609	CC	TT	1940308055
SNP_P1_78892_39952003	NC_021163.1	Ca_kabuli_chr04	39952003	TT	CC	1940308057
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SNP_P1_78894_39967522	NC_021163.1	Ca_kabuli_chr04	39967522	AA	CC	1940308060
SNP_P1_78895_39967530	NC_021163.1	Ca_kabuli_chr04	39967530	TT	CC	1940308062
SNP_P1_78896_39967584	NC_021163.1	Ca_kabuli_chr04	39967584	TT	CC	1940308064
SNP_P1_78897_39967917	NC_021163.1	Ca_kabuli_chr04	39967917	CC	TT	1940308065
SNP_P1_78898_39973935	NC_021163.1	Ca_kabuli_chr04	39973935	TT	GG	1940308067
SNP_P1_78899_39986657	NC_021163.1	Ca_kabuli_chr04	39986657	AA	GG	1940308069
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SNP_P1_78904_39986759	NC_021163.1	Ca_kabuli_chr04	39986759	GG	AA	1940308077
SNP_P1_78905_39986779	NC_021163.1	Ca_kabuli_chr04	39986779	AA	TT	1940308079
SNP_P1_78906_39986965	NC_021163.1	Ca_kabuli_chr04	39986965	TT	CC	1940308080
SNP_P1_78907_39986973	NC_021163.1	Ca_kabuli_chr04	39986973	GG	AA	1940308082
SNP_P1_78908_39987034	NC_021163.1	Ca_kabuli_chr04	39987034	CC	TT	1940308084
SNP_P1_78909_39987165	NC_021163.1	Ca_kabuli_chr04	39987165	TT	CC	1940308085
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SNP_P1_78913_40033595	NC_021163.1	Ca_kabuli_chr04	40033595	AA	GG	1940308089
SNP_P1_78914_40040001	NC_021163.1	Ca_kabuli_chr04	40040001	AA	CC	1940308090
SNP_P1_78915_40047116	NC_021163.1	Ca_kabuli_chr04	40047116	TT	CC	1940308092
SNP_P1_78916_40047126	NC_021163.1	Ca_kabuli_chr04	40047126	AA	GG	1940308094
SNP_P1_78917_40049596	NC_021163.1	Ca_kabuli_chr04	40049596	TT	AA	1940308095
SNP_P1_78918_40049597	NC_021163.1	Ca_kabuli_chr04	40049597	TT	AA	1940308097
SNP_P1_78919_40049663	NC_021163.1	Ca_kabuli_chr04	40049663	AA	CC	1940308099

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78922_40078093	NC_021163.1	Ca_kabuli_chr04	40078093	TT	CC	1940308102
SNP_P1_78923_40078569	NC_021163.1	Ca_kabuli_chr04	40078569	TT	CC	1940308104
SNP_P1_78926_40096585	NC_021163.1	Ca_kabuli_chr04	40096585	AA	CC	1940308105
SNP_P1_78927_40096599	NC_021163.1	Ca_kabuli_chr04	40096599	AA	CC	1940308107
SNP_P1_78928_40098328	NC_021163.1	Ca_kabuli_chr04	40098328	AA	GG	1940308109
SNP_P1_78929_40098512	NC_021163.1	Ca_kabuli_chr04	40098512	GG	TT	1940308110
SNP_P1_78930_40098514	NC_021163.1	Ca_kabuli_chr04	40098514	TT	CC	1940308112
SNP_P1_78931_40098517	NC_021163.1	Ca_kabuli_chr04	40098517	TT	GG	1940308114
SNP_P1_78932_40098523	NC_021163.1	Ca_kabuli_chr04	40098523	GG	TT	1940308115
SNP_P1_78933_40098580	NC_021163.1	Ca_kabuli_chr04	40098580	GG	AA	1940308117
SNP_P1_78935_40108276	NC_021163.1	Ca_kabuli_chr04	40108276	CC	TT	1940308119
SNP_P1_78937_40114557	NC_021163.1	Ca_kabuli_chr04	40114557	TT	CC	1940308120
SNP_P1_78938_40114572	NC_021163.1	Ca_kabuli_chr04	40114572	AA	GG	1940308122
SNP_P1_78939_40114613	NC_021163.1	Ca_kabuli_chr04	40114613	AA	GG	1940308124
SNP_P1_78940_40116475	NC_021163.1	Ca_kabuli_chr04	40116475	CC	TT	1940308126
SNP_P1_78941_40122570	NC_021163.1	Ca_kabuli_chr04	40122570	AA	GG	1940308127
SNP_P1_78942_40131350	NC_021163.1	Ca_kabuli_chr04	40131350	TT	CC	1940308129
SNP_P1_78943_40133137	NC_021163.1	Ca_kabuli_chr04	40133137	GG	AA	1940308131
SNP_P1_78944_40144039	NC_021163.1	Ca_kabuli_chr04	40144039	AA	TT	1940308132
SNP_P1_78945_40165507	NC_021163.1	Ca_kabuli_chr04	40165507	CC	TT	1940308134
SNP_P1_78946_40171789	NC_021163.1	Ca_kabuli_chr04	40171789	GG	AA	1940308136
SNP_P1_78947_40171953	NC_021163.1	Ca_kabuli_chr04	40171953	GG	TT	1940308137
SNP_P1_78948_40171978	NC_021163.1	Ca_kabuli_chr04	40171978	TT	CC	1940308139
SNP_P1_78949_40223223	NC_021163.1	Ca_kabuli_chr04	40223223	AA	GG	1940308141
SNP_P1_78950_40241065	NC_021163.1	Ca_kabuli_chr04	40241065	GG	AA	1940308142
SNP_P1_78951_40255104	NC_021163.1	Ca_kabuli_chr04	40255104	TT	AA	1940308144
SNP_P1_78952_40301271	NC_021163.1	Ca_kabuli_chr04	40301271	CC	TT	1940308146
SNP_P1_78955_40330109	NC_021163.1	Ca_kabuli_chr04	40330109	CC	TT	1940308147
SNP_P1_78956_40334836	NC_021163.1	Ca_kabuli_chr04	40334836	GG	AA	1940308149
SNP_P1_78957_40334857	NC_021163.1	Ca_kabuli_chr04	40334857	GG	AA	1940308151
SNP_P1_78958_40334872	NC_021163.1	Ca_kabuli_chr04	40334872	AA	TT	1940308152
SNP_P1_78959_40334906	NC_021163.1	Ca_kabuli_chr04	40334906	AA	GG	1940308154
SNP_P1_78960_40334922	NC_021163.1	Ca_kabuli_chr04	40334922	TT	CC	1940308156
SNP_P1_78961_40334979	NC_021163.1	Ca_kabuli_chr04	40334979	CC	TT	1940308157
SNP_P1_78962_40335095	NC_021163.1	Ca_kabuli_chr04	40335095	AA	GG	1940308159
SNP_P1_78963_40335096	NC_021163.1	Ca_kabuli_chr04	40335096	GG	AA	1940308161
SNP_P1_78964_40335178	NC_021163.1	Ca_kabuli_chr04	40335178	TT	CC	1940308162
SNP_P1_78965_40335291	NC_021163.1	Ca_kabuli_chr04	40335291	TT	CC	1940308164
SNP_P1_78966_40335297	NC_021163.1	Ca_kabuli_chr04	40335297	AA	CC	1940308166
SNP_P1_78967_40335317	NC_021163.1	Ca_kabuli_chr04	40335317	CC	AA	1940308167
SNP_P1_78968_40335340	NC_021163.1	Ca_kabuli_chr04	40335340	AA	GG	1940308169

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_78970_40335348	NC_021163.1	Ca_kabuli_chr04	40335348	TT	GG	1940308172
SNP_P1_78971_40335430	NC_021163.1	Ca_kabuli_chr04	40335430	AA	GG	1940308174
SNP_P1_78972_40335438	NC_021163.1	Ca_kabuli_chr04	40335438	TT	CC	1940308176
SNP_P1_78973_40335509	NC_021163.1	Ca_kabuli_chr04	40335509	CC	GG	1940308177
SNP_P1_78974_40335511	NC_021163.1	Ca_kabuli_chr04	40335511	GG	AA	1940308179
SNP_P1_78975_40341855	NC_021163.1	Ca_kabuli_chr04	40341855	GG	AA	1940308181
SNP_P1_78976_40341864	NC_021163.1	Ca_kabuli_chr04	40341864	GG	AA	1940308182
SNP_P1_78977_40341905	NC_021163.1	Ca_kabuli_chr04	40341905	AA	GG	1940308184
SNP_P1_78978_40341917	NC_021163.1	Ca_kabuli_chr04	40341917	GG	AA	1940308186
SNP_P1_78979_40342229	NC_021163.1	Ca_kabuli_chr04	40342229	TT	CC	1940308187
SNP_P1_78980_40342230	NC_021163.1	Ca_kabuli_chr04	40342230	TT	AA	1940308189
SNP_P1_78981_40342231	NC_021163.1	Ca_kabuli_chr04	40342231	GG	TT	1940308191
SNP_P1_78982_40342235	NC_021163.1	Ca_kabuli_chr04	40342235	GG	TT	1940308192
SNP_P1_78983_40342276	NC_021163.1	Ca_kabuli_chr04	40342276	AA	GG	1940308194
SNP_P1_78984_40344694	NC_021163.1	Ca_kabuli_chr04	40344694	CC	TT	1940308196
SNP_P1_78985_40406311	NC_021163.1	Ca_kabuli_chr04	40406311	GG	AA	1940308197
SNP_P1_78986_40440090	NC_021163.1	Ca_kabuli_chr04	40440090	AA	GG	1940308199
SNP_P1_78987_40445508	NC_021163.1	Ca_kabuli_chr04	40445508	GG	CC	1940308201
SNP_P1_78989_40461508	NC_021163.1	Ca_kabuli_chr04	40461508	AA	GG	1940308202
SNP_P1_78990_40468689	NC_021163.1	Ca_kabuli_chr04	40468689	AA	TT	1940308204
SNP_P1_78991_40473259	NC_021163.1	Ca_kabuli_chr04	40473259	CC	TT	1940308206
SNP_P1_78992_40478631	NC_021163.1	Ca_kabuli_chr04	40478631	CC	TT	1940308207
SNP_P1_78993_40478656	NC_021163.1	Ca_kabuli_chr04	40478656	TT	CC	1940308209
SNP_P1_78994_40478942	NC_021163.1	Ca_kabuli_chr04	40478942	TT	CC	1940308211
SNP_P1_78995_40479842	NC_021163.1	Ca_kabuli_chr04	40479842	CC	TT	1940308212
SNP_P1_78996_40481903	NC_021163.1	Ca_kabuli_chr04	40481903	CC	TT	1940308214
SNP_P1_78998_40483825	NC_021163.1	Ca_kabuli_chr04	40483825	AA	GG	1940308216
SNP_P1_78999_40483864	NC_021163.1	Ca_kabuli_chr04	40483864	AA	GG	1940308217
SNP_P1_79000_40484393	NC_021163.1	Ca_kabuli_chr04	40484393	TT	AA	1940308219
SNP_P1_79001_40484589	NC_021163.1	Ca_kabuli_chr04	40484589	CC	TT	1940308221
SNP_P1_79002_40484595	NC_021163.1	Ca_kabuli_chr04	40484595	AA	GG	1940308222
SNP_P1_79003_40484604	NC_021163.1	Ca_kabuli_chr04	40484604	CC	TT	1940308224
SNP_P1_79004_40484633	NC_021163.1	Ca_kabuli_chr04	40484633	GG	AA	1940308226
SNP_P1_79005_40484690	NC_021163.1	Ca_kabuli_chr04	40484690	GG	AA	1940308227
SNP_P1_79006_40484694	NC_021163.1	Ca_kabuli_chr04	40484694	AA	GG	1940308229
SNP_P1_79007_40484761	NC_021163.1	Ca_kabuli_chr04	40484761	AA	GG	1940308231
SNP_P1_79008_40484785	NC_021163.1	Ca_kabuli_chr04	40484785	CC	TT	1940308232
SNP_P1_79009_40484908	NC_021163.1	Ca_kabuli_chr04	40484908	GG	CC	1940308234
SNP_P1_79011_40484959	NC_021163.1	Ca_kabuli_chr04	40484959	GG	CC	1940308236
SNP_P1_79013_40485134	NC_021163.1	Ca_kabuli_chr04	40485134	AA	TT	1940308237
SNP_P1_79014_40485153	NC_021163.1	Ca_kabuli_chr04	40485153	TT	AA	1940308239

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79017_40485518	NC_021163.1	Ca_kabuli_chr04	40485518	CC	AA	1940308242
SNP_P1_79018_40485519	NC_021163.1	Ca_kabuli_chr04	40485519	AA	TT	1940308244
SNP_P1_79019_40487693	NC_021163.1	Ca_kabuli_chr04	40487693	TT	AA	1940308246
SNP_P1_79020_40487810	NC_021163.1	Ca_kabuli_chr04	40487810	AA	CC	1940308247
SNP_P1_79021_40487840	NC_021163.1	Ca_kabuli_chr04	40487840	TT	CC	1940308249
SNP_P1_79022_40487936	NC_021163.1	Ca_kabuli_chr04	40487936	TT	CC	1940308251
SNP_P1_79023_40487943	NC_021163.1	Ca_kabuli_chr04	40487943	AA	TT	1940308252
SNP_P1_79024_40487955	NC_021163.1	Ca_kabuli_chr04	40487955	GG	AA	1940308254
SNP_P1_79025_40488478	NC_021163.1	Ca_kabuli_chr04	40488478	TT	AA	1940308256
SNP_P1_79026_40488626	NC_021163.1	Ca_kabuli_chr04	40488626	GG	AA	1940308257
SNP_P1_79027_40489538	NC_021163.1	Ca_kabuli_chr04	40489538	TT	CC	1940308259
SNP_P1_79028_40489878	NC_021163.1	Ca_kabuli_chr04	40489878	GG	TT	1940308261
SNP_P1_79029_40490122	NC_021163.1	Ca_kabuli_chr04	40490122	CC	TT	1940308262
SNP_P1_79030_40490186	NC_021163.1	Ca_kabuli_chr04	40490186	CC	GG	1940308264
SNP_P1_79031_40490374	NC_021163.1	Ca_kabuli_chr04	40490374	GG	TT	1940308266
SNP_P1_79032_40490560	NC_021163.1	Ca_kabuli_chr04	40490560	TT	CC	1940308268
SNP_P1_79033_40490561	NC_021163.1	Ca_kabuli_chr04	40490561	GG	AA	1940308269
SNP_P1_79034_40490972	NC_021163.1	Ca_kabuli_chr04	40490972	GG	TT	1940308271
SNP_P1_79035_40491074	NC_021163.1	Ca_kabuli_chr04	40491074	GG	CC	1940308273
SNP_P1_79037_40491505	NC_021163.1	Ca_kabuli_chr04	40491505	AA	TT	1940308274
SNP_P1_79038_40491507	NC_021163.1	Ca_kabuli_chr04	40491507	GG	TT	1940308276
SNP_P1_79039_40491544	NC_021163.1	Ca_kabuli_chr04	40491544	AA	CC	1940308278
SNP_P1_79040_40491651	NC_021163.1	Ca_kabuli_chr04	40491651	CC	TT	1940308279
SNP_P1_79041_40491772	NC_021163.1	Ca_kabuli_chr04	40491772	GG	CC	1940308281
SNP_P1_79042_40492047	NC_021163.1	Ca_kabuli_chr04	40492047	TT	CC	1940308283
SNP_P1_79043_40493842	NC_021163.1	Ca_kabuli_chr04	40493842	AA	TT	1940308284
SNP_P1_79044_40493878	NC_021163.1	Ca_kabuli_chr04	40493878	GG	AA	1940308286
SNP_P1_79045_40493910	NC_021163.1	Ca_kabuli_chr04	40493910	AA	GG	1940308288
SNP_P1_79046_40494750	NC_021163.1	Ca_kabuli_chr04	40494750	AA	GG	1940308289
SNP_P1_79047_40495163	NC_021163.1	Ca_kabuli_chr04	40495163	TT	CC	1940308291
SNP_P1_79048_40495199	NC_021163.1	Ca_kabuli_chr04	40495199	CC	AA	1940308293
SNP_P1_79049_40495262	NC_021163.1	Ca_kabuli_chr04	40495262	GG	AA	1940308294
SNP_P1_79050_40495545	NC_021163.1	Ca_kabuli_chr04	40495545	AA	GG	1940308296
SNP_P1_79051_40497257	NC_021163.1	Ca_kabuli_chr04	40497257	AA	TT	1940308298
SNP_P1_79052_40497438	NC_021163.1	Ca_kabuli_chr04	40497438	AA	GG	1940308299
SNP_P1_79053_40498035	NC_021163.1	Ca_kabuli_chr04	40498035	GG	AA	1940308301
SNP_P1_79055_40498181	NC_021163.1	Ca_kabuli_chr04	40498181	GG	CC	1940308303
SNP_P1_79056_40498187	NC_021163.1	Ca_kabuli_chr04	40498187	AA	GG	1940308304
SNP_P1_79057_40498228	NC_021163.1	Ca_kabuli_chr04	40498228	CC	TT	1940308306
SNP_P1_79058_40498267	NC_021163.1	Ca_kabuli_chr04	40498267	AA	CC	1940308308
SNP_P1_79060_40498901	NC_021163.1	Ca_kabuli_chr04	40498901	GG	AA	1940308309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79062_40499145	NC_021163.1	Ca_kabuli_chr04	40499145	CC	TT	1940308313
SNP_P1_79064_40499184	NC_021163.1	Ca_kabuli_chr04	40499184	AA	GG	1940308314
SNP_P1_79065_40499271	NC_021163.1	Ca_kabuli_chr04	40499271	AA	GG	1940308316
SNP_P1_79066_40499317	NC_021163.1	Ca_kabuli_chr04	40499317	GG	TT	1940308318
SNP_P1_79068_40499347	NC_021163.1	Ca_kabuli_chr04	40499347	CC	AA	1940308319
SNP_P1_79073_40501854	NC_021163.1	Ca_kabuli_chr04	40501854	AA	TT	1940308321
SNP_P1_79075_40501894	NC_021163.1	Ca_kabuli_chr04	40501894	CC	TT	1940308323
SNP_P1_79076_40503503	NC_021163.1	Ca_kabuli_chr04	40503503	CC	TT	1940308324
SNP_P1_79078_40503765	NC_021163.1	Ca_kabuli_chr04	40503765	TT	CC	1940308326
SNP_P1_79079_40504321	NC_021163.1	Ca_kabuli_chr04	40504321	AA	CC	1940308328
SNP_P1_79080_40504379	NC_021163.1	Ca_kabuli_chr04	40504379	CC	GG	1940308329
SNP_P1_79081_40504626	NC_021163.1	Ca_kabuli_chr04	40504626	CC	TT	1940308331
SNP_P1_79082_40504762	NC_021163.1	Ca_kabuli_chr04	40504762	CC	AA	1940308333
SNP_P1_79083_40504822	NC_021163.1	Ca_kabuli_chr04	40504822	GG	AA	1940308334
SNP_P1_79084_40504901	NC_021163.1	Ca_kabuli_chr04	40504901	TT	CC	1940308336
SNP_P1_79085_40504967	NC_021163.1	Ca_kabuli_chr04	40504967	TT	CC	1940308338
SNP_P1_79086_40504970	NC_021163.1	Ca_kabuli_chr04	40504970	AA	GG	1940308339
SNP_P1_79087_40504983	NC_021163.1	Ca_kabuli_chr04	40504983	AA	GG	1940308341
SNP_P1_79088_40505215	NC_021163.1	Ca_kabuli_chr04	40505215	CC	AA	1940308343
SNP_P1_79092_40506570	NC_021163.1	Ca_kabuli_chr04	40506570	AA	TT	1940308344
SNP_P1_79093_40506622	NC_021163.1	Ca_kabuli_chr04	40506622	TT	CC	1940308346
SNP_P1_79094_40506635	NC_021163.1	Ca_kabuli_chr04	40506635	TT	CC	1940308348
SNP_P1_79095_40506649	NC_021163.1	Ca_kabuli_chr04	40506649	TT	GG	1940308349
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SNP_P1_79098_40507124	NC_021163.1	Ca_kabuli_chr04	40507124	AA	TT	1940308353
SNP_P1_79099_40507144	NC_021163.1	Ca_kabuli_chr04	40507144	GG	AA	1940308354
SNP_P1_79100_40507173	NC_021163.1	Ca_kabuli_chr04	40507173	TT	CC	1940308356
SNP_P1_79101_40507933	NC_021163.1	Ca_kabuli_chr04	40507933	GG	CC	1940308358
SNP_P1_79102_40507973	NC_021163.1	Ca_kabuli_chr04	40507973	CC	TT	1940308359
SNP_P1_79103_40508183	NC_021163.1	Ca_kabuli_chr04	40508183	TT	CC	1940308361
SNP_P1_79104_40508240	NC_021163.1	Ca_kabuli_chr04	40508240	AA	GG	1940308363
SNP_P1_79105_40508254	NC_021163.1	Ca_kabuli_chr04	40508254	TT	GG	1940308364
SNP_P1_79106_40508626	NC_021163.1	Ca_kabuli_chr04	40508626	TT	CC	1940308366
SNP_P1_79107_40508633	NC_021163.1	Ca_kabuli_chr04	40508633	TT	CC	1940308368
SNP_P1_79109_40509208	NC_021163.1	Ca_kabuli_chr04	40509208	CC	GG	1940308369
SNP_P1_79111_40509437	NC_021163.1	Ca_kabuli_chr04	40509437	TT	CC	1940308371
SNP_P1_79113_40510483	NC_021163.1	Ca_kabuli_chr04	40510483	CC	AA	1940308373
SNP_P1_79114_40510516	NC_021163.1	Ca_kabuli_chr04	40510516	CC	TT	1940308374
SNP_P1_79115_40510531	NC_021163.1	Ca_kabuli_chr04	40510531	AA	TT	1940308376
SNP_P1_79116_40510546	NC_021163.1	Ca_kabuli_chr04	40510546	AA	TT	1940308378
SNP_P1_79117_40510853	NC_021163.1	Ca_kabuli_chr04	40510853	GG	AA	1940308379

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79120_40511590	NC_021163.1	Ca_kabuli_chr04	40511590	CC	TT	1940308384
SNP_P1_79122_40511925	NC_021163.1	Ca_kabuli_chr04	40511925	CC	TT	1940308386
SNP_P1_79124_40513037	NC_021163.1	Ca_kabuli_chr04	40513037	GG	AA	1940308388
SNP_P1_79125_40513826	NC_021163.1	Ca_kabuli_chr04	40513826	CC	TT	1940308389
SNP_P1_79126_40513838	NC_021163.1	Ca_kabuli_chr04	40513838	AA	CC	1940308391
SNP_P1_79128_40514184	NC_021163.1	Ca_kabuli_chr04	40514184	GG	AA	1940308393
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SNP_P1_79130_40514865	NC_021163.1	Ca_kabuli_chr04	40514865	TT	AA	1940308396
SNP_P1_79132_40514922	NC_021163.1	Ca_kabuli_chr04	40514922	CC	TT	1940308398
SNP_P1_79133_40514924	NC_021163.1	Ca_kabuli_chr04	40514924	CC	TT	1940308399
SNP_P1_79135_40515270	NC_021163.1	Ca_kabuli_chr04	40515270	AA	GG	1940308401
SNP_P1_79136_40515278	NC_021163.1	Ca_kabuli_chr04	40515278	TT	CC	1940308403
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SNP_P1_79138_40515445	NC_021163.1	Ca_kabuli_chr04	40515445	TT	CC	1940308406
SNP_P1_79139_40515468	NC_021163.1	Ca_kabuli_chr04	40515468	TT	CC	1940308408
SNP_P1_79140_40515470	NC_021163.1	Ca_kabuli_chr04	40515470	GG	TT	1940308409
SNP_P1_79141_40515471	NC_021163.1	Ca_kabuli_chr04	40515471	AA	GG	1940308411
SNP_P1_79142_40515473	NC_021163.1	Ca_kabuli_chr04	40515473	AA	GG	1940308413
SNP_P1_79143_40515570	NC_021163.1	Ca_kabuli_chr04	40515570	GG	AA	1940308414
SNP_P1_79144_40515572	NC_021163.1	Ca_kabuli_chr04	40515572	CC	TT	1940308416
SNP_P1_79145_40515590	NC_021163.1	Ca_kabuli_chr04	40515590	CC	TT	1940308418
SNP_P1_79146_40515852	NC_021163.1	Ca_kabuli_chr04	40515852	CC	TT	1940308419
SNP_P1_79147_40515855	NC_021163.1	Ca_kabuli_chr04	40515855	AA	GG	1940308421
SNP_P1_79148_40515866	NC_021163.1	Ca_kabuli_chr04	40515866	AA	GG	1940308423
SNP_P1_79149_40515890	NC_021163.1	Ca_kabuli_chr04	40515890	GG	AA	1940308424
SNP_P1_79150_40515897	NC_021163.1	Ca_kabuli_chr04	40515897	AA	GG	1940308426
SNP_P1_79151_40515976	NC_021163.1	Ca_kabuli_chr04	40515976	TT	CC	1940308428
SNP_P1_79152_40516032	NC_021163.1	Ca_kabuli_chr04	40516032	GG	AA	1940308429
SNP_P1_79153_40516043	NC_021163.1	Ca_kabuli_chr04	40516043	GG	AA	1940308431
SNP_P1_79154_40516052	NC_021163.1	Ca_kabuli_chr04	40516052	AA	GG	1940308433
SNP_P1_79155_40516089	NC_021163.1	Ca_kabuli_chr04	40516089	AA	GG	1940308434
SNP_P1_79156_40516414	NC_021163.1	Ca_kabuli_chr04	40516414	TT	GG	1940308436
SNP_P1_79157_40516475	NC_021163.1	Ca_kabuli_chr04	40516475	AA	CC	1940308438
SNP_P1_79158_40516526	NC_021163.1	Ca_kabuli_chr04	40516526	AA	GG	1940308440
SNP_P1_79159_40516578	NC_021163.1	Ca_kabuli_chr04	40516578	GG	AA	1940308441
SNP_P1_79160_40516656	NC_021163.1	Ca_kabuli_chr04	40516656	TT	CC	1940308443
SNP_P1_79161_40516667	NC_021163.1	Ca_kabuli_chr04	40516667	AA	GG	1940308445
SNP_P1_79162_40517007	NC_021163.1	Ca_kabuli_chr04	40517007	TT	CC	1940308446
SNP_P1_79163_40517010	NC_021163.1	Ca_kabuli_chr04	40517010	AA	GG	1940308448
SNP_P1_79164_40517015	NC_021163.1	Ca_kabuli_chr04	40517015	AA	GG	1940308450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79166_40517338	NC_021163.1	Ca_kabuli_chr04	40517338	GG	TT	1940308453
SNP_P1_79167_40517355	NC_021163.1	Ca_kabuli_chr04	40517355	GG	AA	1940308455
SNP_P1_79168_40517358	NC_021163.1	Ca_kabuli_chr04	40517358	CC	AA	1940308456
SNP_P1_79169_40517376	NC_021163.1	Ca_kabuli_chr04	40517376	GG	AA	1940308458
SNP_P1_79170_40517395	NC_021163.1	Ca_kabuli_chr04	40517395	TT	GG	1940308460
SNP_P1_79171_40517778	NC_021163.1	Ca_kabuli_chr04	40517778	TT	CC	1940308461
SNP_P1_79172_40517790	NC_021163.1	Ca_kabuli_chr04	40517790	TT	CC	1940308463
SNP_P1_79173_40518136	NC_021163.1	Ca_kabuli_chr04	40518136	GG	AA	1940308465
SNP_P1_79174_40518146	NC_021163.1	Ca_kabuli_chr04	40518146	GG	TT	1940308466
SNP_P1_79175_40518147	NC_021163.1	Ca_kabuli_chr04	40518147	TT	GG	1940308468
SNP_P1_79176_40518165	NC_021163.1	Ca_kabuli_chr04	40518165	CC	AA	1940308470
SNP_P1_79177_40518483	NC_021163.1	Ca_kabuli_chr04	40518483	AA	CC	1940308471
SNP_P1_79178_40518714	NC_021163.1	Ca_kabuli_chr04	40518714	CC	TT	1940308473
SNP_P1_79179_40518723	NC_021163.1	Ca_kabuli_chr04	40518723	CC	TT	1940308475
SNP_P1_79180_40518977	NC_021163.1	Ca_kabuli_chr04	40518977	AA	GG	1940308476
SNP_P1_79181_40519111	NC_021163.1	Ca_kabuli_chr04	40519111	GG	AA	1940308478
SNP_P1_79183_40519190	NC_021163.1	Ca_kabuli_chr04	40519190	CC	TT	1940308480
SNP_P1_79184_40519236	NC_021163.1	Ca_kabuli_chr04	40519236	CC	TT	1940308481
SNP_P1_79185_40519291	NC_021163.1	Ca_kabuli_chr04	40519291	AA	GG	1940308483
SNP_P1_79187_40519323	NC_021163.1	Ca_kabuli_chr04	40519323	TT	CC	1940308485
SNP_P1_79188_40519431	NC_021163.1	Ca_kabuli_chr04	40519431	CC	TT	1940308486
SNP_P1_79189_40519446	NC_021163.1	Ca_kabuli_chr04	40519446	AA	TT	1940308488
SNP_P1_79190_40519502	NC_021163.1	Ca_kabuli_chr04	40519502	CC	AA	1940308490
SNP_P1_79191_40519525	NC_021163.1	Ca_kabuli_chr04	40519525	AA	GG	1940308491
SNP_P1_79192_40519526	NC_021163.1	Ca_kabuli_chr04	40519526	AA	GG	1940308493
SNP_P1_79194_40519660	NC_021163.1	Ca_kabuli_chr04	40519660	GG	AA	1940308495
SNP_P1_79195_40519708	NC_021163.1	Ca_kabuli_chr04	40519708	GG	AA	1940308496
SNP_P1_79197_40520030	NC_021163.1	Ca_kabuli_chr04	40520030	GG	TT	1940308498
SNP_P1_79199_40521247	NC_021163.1	Ca_kabuli_chr04	40521247	GG	TT	1940308500
SNP_P1_79201_40521630	NC_021163.1	Ca_kabuli_chr04	40521630	CC	GG	1940308501
SNP_P1_79202_40521684	NC_021163.1	Ca_kabuli_chr04	40521684	AA	GG	1940308503
SNP_P1_79205_40523252	NC_021163.1	Ca_kabuli_chr04	40523252	CC	GG	1940308505
SNP_P1_79206_40523293	NC_021163.1	Ca_kabuli_chr04	40523293	GG	AA	1940308506
SNP_P1_79207_40523864	NC_021163.1	Ca_kabuli_chr04	40523864	TT	CC	1940308508
SNP_P1_79208_40524432	NC_021163.1	Ca_kabuli_chr04	40524432	TT	CC	1940308510
SNP_P1_79209_40524490	NC_021163.1	Ca_kabuli_chr04	40524490	GG	AA	1940308511
SNP_P1_79210_40524818	NC_021163.1	Ca_kabuli_chr04	40524818	AA	CC	1940308513
SNP_P1_79211_40526275	NC_021163.1	Ca_kabuli_chr04	40526275	GG	AA	1940308515
SNP_P1_79212_40527486	NC_021163.1	Ca_kabuli_chr04	40527486	CC	GG	1940308516
SNP_P1_79213_40528156	NC_021163.1	Ca_kabuli_chr04	40528156	CC	TT	1940308518
SNP_P1_79214_40528471	NC_021163.1	Ca_kabuli_chr04	40528471	AA	GG	1940308520

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79216_40528592	NC_021163.1	Ca_kabuli_chr04	40528592	TT	GG	1940308523
SNP_P1_79218_40529104	NC_021163.1	Ca_kabuli_chr04	40529104	GG	CC	1940308525
SNP_P1_79219_40529128	NC_021163.1	Ca_kabuli_chr04	40529128	TT	AA	1940308526
SNP_P1_79220_40529236	NC_021163.1	Ca_kabuli_chr04	40529236	AA	CC	1940308528
SNP_P1_79222_40529599	NC_021163.1	Ca_kabuli_chr04	40529599	AA	TT	1940308530
SNP_P1_79224_40531908	NC_021163.1	Ca_kabuli_chr04	40531908	AA	CC	1940308531
SNP_P1_79225_40533093	NC_021163.1	Ca_kabuli_chr04	40533093	CC	GG	1940308533
SNP_P1_79226_40533165	NC_021163.1	Ca_kabuli_chr04	40533165	GG	CC	1940308535
SNP_P1_79227_40533785	NC_021163.1	Ca_kabuli_chr04	40533785	TT	CC	1940308536
SNP_P1_79228_40533821	NC_021163.1	Ca_kabuli_chr04	40533821	CC	GG	1940308538
SNP_P1_79229_40533858	NC_021163.1	Ca_kabuli_chr04	40533858	AA	GG	1940308540
SNP_P1_79230_40534053	NC_021163.1	Ca_kabuli_chr04	40534053	CC	TT	1940308541
SNP_P1_79231_40534086	NC_021163.1	Ca_kabuli_chr04	40534086	AA	CC	1940308543
SNP_P1_79232_40534423	NC_021163.1	Ca_kabuli_chr04	40534423	AA	CC	1940308545
SNP_P1_79233_40534425	NC_021163.1	Ca_kabuli_chr04	40534425	AA	CC	1940308546
SNP_P1_79234_40534809	NC_021163.1	Ca_kabuli_chr04	40534809	GG	CC	1940308548
SNP_P1_79235_40538193	NC_021163.1	Ca_kabuli_chr04	40538193	GG	AA	1940308550
SNP_P1_79236_40538207	NC_021163.1	Ca_kabuli_chr04	40538207	GG	AA	1940308551
SNP_P1_79237_40539457	NC_021163.1	Ca_kabuli_chr04	40539457	TT	GG	1940308553
SNP_P1_79238_40539784	NC_021163.1	Ca_kabuli_chr04	40539784	TT	CC	1940308555
SNP_P1_79239_40540304	NC_021163.1	Ca_kabuli_chr04	40540304	GG	AA	1940308557
SNP_P1_79240_40540384	NC_021163.1	Ca_kabuli_chr04	40540384	CC	TT	1940308558
SNP_P1_79241_40541100	NC_021163.1	Ca_kabuli_chr04	40541100	TT	GG	1940308560
SNP_P1_79242_40541296	NC_021163.1	Ca_kabuli_chr04	40541296	AA	GG	1940308562
SNP_P1_79243_40541376	NC_021163.1	Ca_kabuli_chr04	40541376	CC	TT	1940308563
SNP_P1_79244_40541430	NC_021163.1	Ca_kabuli_chr04	40541430	AA	TT	1940308565
SNP_P1_79245_40543379	NC_021163.1	Ca_kabuli_chr04	40543379	AA	CC	1940308567
SNP_P1_79246_40543723	NC_021163.1	Ca_kabuli_chr04	40543723	TT	CC	1940308568
SNP_P1_79247_40546519	NC_021163.1	Ca_kabuli_chr04	40546519	TT	CC	1940308570
SNP_P1_79248_40546594	NC_021163.1	Ca_kabuli_chr04	40546594	CC	GG	1940308572
SNP_P1_79249_40546881	NC_021163.1	Ca_kabuli_chr04	40546881	AA	GG	1940308573
SNP_P1_79250_40546882	NC_021163.1	Ca_kabuli_chr04	40546882	TT	CC	1940308575
SNP_P1_79251_40546884	NC_021163.1	Ca_kabuli_chr04	40546884	AA	TT	1940308577
SNP_P1_79252_40546891	NC_021163.1	Ca_kabuli_chr04	40546891	TT	GG	1940308578
SNP_P1_79253_40546898	NC_021163.1	Ca_kabuli_chr04	40546898	CC	TT	1940308580
SNP_P1_79254_40547399	NC_021163.1	Ca_kabuli_chr04	40547399	TT	GG	1940308582
SNP_P1_79255_40548044	NC_021163.1	Ca_kabuli_chr04	40548044	TT	AA	1940308583
SNP_P1_79256_40549820	NC_021163.1	Ca_kabuli_chr04	40549820	GG	AA	1940308585
SNP_P1_79257_40549949	NC_021163.1	Ca_kabuli_chr04	40549949	TT	CC	1940308587
SNP_P1_79258_40549972	NC_021163.1	Ca_kabuli_chr04	40549972	AA	GG	1940308588
SNP_P1_79259_40549978	NC_021163.1	Ca_kabuli_chr04	40549978	GG	TT	1940308590

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79261_40550194	NC_021163.1	Ca_kabuli_chr04	40550194	CC	GG	1940308593
SNP_P1_79262_40551160	NC_021163.1	Ca_kabuli_chr04	40551160	AA	GG	1940308595
SNP_P1_79263_40551366	NC_021163.1	Ca_kabuli_chr04	40551366	CC	TT	1940308597
SNP_P1_79264_40551630	NC_021163.1	Ca_kabuli_chr04	40551630	AA	TT	1940308598
SNP_P1_79266_40552919	NC_021163.1	Ca_kabuli_chr04	40552919	GG	AA	1940308600
SNP_P1_79267_40552941	NC_021163.1	Ca_kabuli_chr04	40552941	GG	AA	1940308602
SNP_P1_79268_40553964	NC_021163.1	Ca_kabuli_chr04	40553964	GG	TT	1940308603
SNP_P1_79269_40553971	NC_021163.1	Ca_kabuli_chr04	40553971	GG	CC	1940308605
SNP_P1_79270_40557716	NC_021163.1	Ca_kabuli_chr04	40557716	CC	TT	1940308607
SNP_P1_79272_40558964	NC_021163.1	Ca_kabuli_chr04	40558964	AA	GG	1940308608
SNP_P1_79273_40558984	NC_021163.1	Ca_kabuli_chr04	40558984	TT	CC	1940308610
SNP_P1_79274_40559003	NC_021163.1	Ca_kabuli_chr04	40559003	TT	GG	1940308612
SNP_P1_79275_40559009	NC_021163.1	Ca_kabuli_chr04	40559009	TT	CC	1940308613
SNP_P1_79276_40559037	NC_021163.1	Ca_kabuli_chr04	40559037	GG	AA	1940308615
SNP_P1_79277_40559047	NC_021163.1	Ca_kabuli_chr04	40559047	GG	TT	1940308617
SNP_P1_79278_40559061	NC_021163.1	Ca_kabuli_chr04	40559061	CC	TT	1940308618
SNP_P1_79279_40559167	NC_021163.1	Ca_kabuli_chr04	40559167	AA	CC	1940308620
SNP_P1_79280_40559179	NC_021163.1	Ca_kabuli_chr04	40559179	CC	TT	1940308622
SNP_P1_79281_40559197	NC_021163.1	Ca_kabuli_chr04	40559197	TT	CC	1940308623
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SNP_P1_79284_40559489	NC_021163.1	Ca_kabuli_chr04	40559489	CC	TT	1940308627
SNP_P1_79285_40559534	NC_021163.1	Ca_kabuli_chr04	40559534	CC	TT	1940308628
SNP_P1_79286_40559575	NC_021163.1	Ca_kabuli_chr04	40559575	AA	GG	1940308630
SNP_P1_79287_40560051	NC_021163.1	Ca_kabuli_chr04	40560051	CC	AA	1940308632
SNP_P1_79288_40560055	NC_021163.1	Ca_kabuli_chr04	40560055	CC	GG	1940308633
SNP_P1_79289_40560077	NC_021163.1	Ca_kabuli_chr04	40560077	TT	CC	1940308635
SNP_P1_79291_40560600	NC_021163.1	Ca_kabuli_chr04	40560600	TT	CC	1940308637
SNP_P1_79292_40560603	NC_021163.1	Ca_kabuli_chr04	40560603	GG	TT	1940308638
SNP_P1_79293_40560670	NC_021163.1	Ca_kabuli_chr04	40560670	TT	GG	1940308640
SNP_P1_79294_40560705	NC_021163.1	Ca_kabuli_chr04	40560705	GG	TT	1940308642
SNP_P1_79296_40560737	NC_021163.1	Ca_kabuli_chr04	40560737	TT	CC	1940308643
SNP_P1_79297_40560753	NC_021163.1	Ca_kabuli_chr04	40560753	GG	TT	1940308645
SNP_P1_79298_40560755	NC_021163.1	Ca_kabuli_chr04	40560755	AA	GG	1940308647
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SNP_P1_79300_40560860	NC_021163.1	Ca_kabuli_chr04	40560860	CC	AA	1940308650
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SNP_P1_79302_40560879	NC_021163.1	Ca_kabuli_chr04	40560879	GG	AA	1940308653
SNP_P1_79303_40560880	NC_021163.1	Ca_kabuli_chr04	40560880	TT	CC	1940308655
SNP_P1_79304_40560898	NC_021163.1	Ca_kabuli_chr04	40560898	GG	AA	1940308657
SNP_P1_79305_40560982	NC_021163.1	Ca_kabuli_chr04	40560982	AA	GG	1940308658
SNP_P1_79306_40560995	NC_021163.1	Ca_kabuli_chr04	40560995	TT	CC	1940308660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79308_40561060	NC_021163.1	Ca_kabuli_chr04	40561060	AA	TT	1940308663
SNP_P1_79310_40561337	NC_021163.1	Ca_kabuli_chr04	40561337	GG	TT	1940308665
SNP_P1_79311_40567081	NC_021163.1	Ca_kabuli_chr04	40567081	TT	CC	1940308667
SNP_P1_79312_40567583	NC_021163.1	Ca_kabuli_chr04	40567583	AA	GG	1940308668
SNP_P1_79313_40567616	NC_021163.1	Ca_kabuli_chr04	40567616	AA	GG	1940308670
SNP_P1_79314_40567847	NC_021163.1	Ca_kabuli_chr04	40567847	GG	TT	1940308672
SNP_P1_79315_40571040	NC_021163.1	Ca_kabuli_chr04	40571040	TT	CC	1940308673
SNP_P1_79316_40572152	NC_021163.1	Ca_kabuli_chr04	40572152	AA	GG	1940308675
SNP_P1_79317_40572157	NC_021163.1	Ca_kabuli_chr04	40572157	TT	CC	1940308677
SNP_P1_79318_40572159	NC_021163.1	Ca_kabuli_chr04	40572159	AA	GG	1940308678
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SNP_P1_79320_40573474	NC_021163.1	Ca_kabuli_chr04	40573474	GG	AA	1940308682
SNP_P1_79322_40573556	NC_021163.1	Ca_kabuli_chr04	40573556	TT	CC	1940308683
SNP_P1_79323_40573565	NC_021163.1	Ca_kabuli_chr04	40573565	AA	GG	1940308685
SNP_P1_79324_40573659	NC_021163.1	Ca_kabuli_chr04	40573659	AA	TT	1940308687
SNP_P1_79326_40574683	NC_021163.1	Ca_kabuli_chr04	40574683	CC	TT	1940308688
SNP_P1_79327_40574725	NC_021163.1	Ca_kabuli_chr04	40574725	CC	TT	1940308690
SNP_P1_79328_40574737	NC_021163.1	Ca_kabuli_chr04	40574737	AA	GG	1940308692
SNP_P1_79329_40574758	NC_021163.1	Ca_kabuli_chr04	40574758	AA	GG	1940308693
SNP_P1_79331_40574896	NC_021163.1	Ca_kabuli_chr04	40574896	TT	AA	1940308695
SNP_P1_79332_40574914	NC_021163.1	Ca_kabuli_chr04	40574914	CC	TT	1940308697
SNP_P1_79333_40574928	NC_021163.1	Ca_kabuli_chr04	40574928	CC	TT	1940308698
SNP_P1_79334_40574937	NC_021163.1	Ca_kabuli_chr04	40574937	AA	GG	1940308700
SNP_P1_79335_40575102	NC_021163.1	Ca_kabuli_chr04	40575102	CC	TT	1940308702
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SNP_P1_79339_40575667	NC_021163.1	Ca_kabuli_chr04	40575667	CC	TT	1940308705
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SNP_P1_79341_40575932	NC_021163.1	Ca_kabuli_chr04	40575932	TT	CC	1940308708
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SNP_P1_79344_40576397	NC_021163.1	Ca_kabuli_chr04	40576397	CC	TT	1940308712
SNP_P1_79345_40576541	NC_021163.1	Ca_kabuli_chr04	40576541	TT	AA	1940308713
SNP_P1_79346_40576790	NC_021163.1	Ca_kabuli_chr04	40576790	CC	AA	1940308715
SNP_P1_79347_40577088	NC_021163.1	Ca_kabuli_chr04	40577088	TT	CC	1940308717
SNP_P1_79348_40577089	NC_021163.1	Ca_kabuli_chr04	40577089	CC	TT	1940308718
SNP_P1_79349_40577304	NC_021163.1	Ca_kabuli_chr04	40577304	AA	GG	1940308720
SNP_P1_79350_40577324	NC_021163.1	Ca_kabuli_chr04	40577324	AA	TT	1940308722
SNP_P1_79351_40577333	NC_021163.1	Ca_kabuli_chr04	40577333	TT	CC	1940308723
SNP_P1_79352_40577339	NC_021163.1	Ca_kabuli_chr04	40577339	TT	CC	1940308725
SNP_P1_79353_40581139	NC_021163.1	Ca_kabuli_chr04	40581139	TT	CC	1940308727
SNP_P1_79354_40581267	NC_021163.1	Ca_kabuli_chr04	40581267	TT	CC	1940308728
SNP_P1_79355_40581268	NC_021163.1	Ca_kabuli_chr04	40581268	GG	CC	1940308730

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_79356_40583494	NC_021163.1	Ca_kabuli_chr04	40583494	CC	TT	1940308732
SNP_P1_79357_40583516	NC_021163.1	Ca_kabuli_chr04	40583516	TT	CC	1940308733
SNP_P1_79358_40586891	NC_021163.1	Ca_kabuli_chr04	40586891	CC	AA	1940308735
SNP_P1_79360_40587356	NC_021163.1	Ca_kabuli_chr04	40587356	CC	GG	1940308737
SNP_P1_79361_40589424	NC_021163.1	Ca_kabuli_chr04	40589424	TT	CC	1940308738
SNP_P1_79362_40590868	NC_021163.1	Ca_kabuli_chr04	40590868	TT	AA	1940308740
SNP_P1_79365_40593667	NC_021163.1	Ca_kabuli_chr04	40593667	GG	AA	1940308742
SNP_P1_79366_40593682	NC_021163.1	Ca_kabuli_chr04	40593682	AA	GG	1940308743
SNP_P1_79367_40594470	NC_021163.1	Ca_kabuli_chr04	40594470	CC	AA	1940308745
SNP_P1_79368_40597111	NC_021163.1	Ca_kabuli_chr04	40597111	AA	GG	1940308747
SNP_P1_79369_40597948	NC_021163.1	Ca_kabuli_chr04	40597948	AA	GG	1940308748
SNP_P1_79370_40597970	NC_021163.1	Ca_kabuli_chr04	40597970	TT	AA	1940308750
SNP_P1_79371_40598011	NC_021163.1	Ca_kabuli_chr04	40598011	AA	CC	1940308752
SNP_P1_79372_40598016	NC_021163.1	Ca_kabuli_chr04	40598016	TT	GG	1940308753
SNP_P1_79373_40598026	NC_021163.1	Ca_kabuli_chr04	40598026	TT	AA	1940308755
SNP_P1_79374_40598273	NC_021163.1	Ca_kabuli_chr04	40598273	CC	TT	1940308757
SNP_P1_79375_40598274	NC_021163.1	Ca_kabuli_chr04	40598274	TT	GG	1940308758
SNP_P1_79376_40599444	NC_021163.1	Ca_kabuli_chr04	40599444	GG	AA	1940308760
SNP_P1_79377_40599928	NC_021163.1	Ca_kabuli_chr04	40599928	CC	AA	1940308762
SNP_P1_79378_40601388	NC_021163.1	Ca_kabuli_chr04	40601388	GG	TT	1940308763
SNP_P1_79379_40601701	NC_021163.1	Ca_kabuli_chr04	40601701	GG	AA	1940308765
SNP_P1_79381_40603349	NC_021163.1	Ca_kabuli_chr04	40603349	GG	AA	1940308767
SNP_P1_79382_40603625	NC_021163.1	Ca_kabuli_chr04	40603625	AA	CC	1940308768
SNP_P1_79383_40603644	NC_021163.1	Ca_kabuli_chr04	40603644	CC	TT	1940308770
SNP_P1_79384_40603677	NC_021163.1	Ca_kabuli_chr04	40603677	TT	AA	1940308772
SNP_P1_79385_40603678	NC_021163.1	Ca_kabuli_chr04	40603678	TT	AA	1940308773
SNP_P1_79386_40604187	NC_021163.1	Ca_kabuli_chr04	40604187	AA	CC	1940308775
SNP_P1_79387_40604188	NC_021163.1	Ca_kabuli_chr04	40604188	GG	CC	1940308777
SNP_P1_79388_40604437	NC_021163.1	Ca_kabuli_chr04	40604437	GG	TT	1940308779
SNP_P1_79389_40605147	NC_021163.1	Ca_kabuli_chr04	40605147	CC	AA	1940308780
SNP_P1_79391_40605753	NC_021163.1	Ca_kabuli_chr04	40605753	GG	AA	1940308782
SNP_P1_79393_40608892	NC_021163.1	Ca_kabuli_chr04	40608892	TT	GG	1940308784
SNP_P1_79394_40609241	NC_021163.1	Ca_kabuli_chr04	40609241	AA	CC	1940308785
SNP_P1_79395_40611261	NC_021163.1	Ca_kabuli_chr04	40611261	GG	AA	1940308787
SNP_P1_79396_40612623	NC_021163.1	Ca_kabuli_chr04	40612623	AA	GG	1940308789
SNP_P1_79397_40612753	NC_021163.1	Ca_kabuli_chr04	40612753	TT	CC	1940308790
SNP_P1_79398_40613210	NC_021163.1	Ca_kabuli_chr04	40613210	CC	TT	1940308792
SNP_P1_79401_40615140	NC_021163.1	Ca_kabuli_chr04	40615140	CC	AA	1940308794
SNP_P1_79402_40615219	NC_021163.1	Ca_kabuli_chr04	40615219	TT	CC	1940308795
SNP_P1_79403_40616157	NC_021163.1	Ca_kabuli_chr04	40616157	TT	GG	1940308797
SNP_P1_79404_40616993	NC_021163.1	Ca_kabuli_chr04	40616993	AA	GG	1940308799
SNP_P1_79405_40618071	NC_021163.1	Ca_kabuli_chr04	40618071	AA	GG	1940308800

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79408_40621612	NC_021163.1	Ca_kabuli_chr04	40621612	GG	TT	1940308804
SNP_P1_79409_40622038	NC_021163.1	Ca_kabuli_chr04	40622038	AA	GG	1940308805
SNP_P1_79410_40622109	NC_021163.1	Ca_kabuli_chr04	40622109	TT	GG	1940308807
SNP_P1_79412_40623128	NC_021163.1	Ca_kabuli_chr04	40623128	GG	TT	1940308809
SNP_P1_79413_40624377	NC_021163.1	Ca_kabuli_chr04	40624377	GG	CC	1940308810
SNP_P1_79414_40625207	NC_021163.1	Ca_kabuli_chr04	40625207	GG	AA	1940308812
SNP_P1_79415_40625425	NC_021163.1	Ca_kabuli_chr04	40625425	CC	TT	1940308814
SNP_P1_79419_40628882	NC_021163.1	Ca_kabuli_chr04	40628882	AA	GG	1940308815
SNP_P1_79420_40629771	NC_021163.1	Ca_kabuli_chr04	40629771	TT	CC	1940308817
SNP_P1_79421_40630022	NC_021163.1	Ca_kabuli_chr04	40630022	AA	CC	1940308819
SNP_P1_79422_40630366	NC_021163.1	Ca_kabuli_chr04	40630366	TT	CC	1940308820
SNP_P1_79423_40630367	NC_021163.1	Ca_kabuli_chr04	40630367	AA	CC	1940308822
SNP_P1_79424_40630368	NC_021163.1	Ca_kabuli_chr04	40630368	GG	AA	1940308824
SNP_P1_79425_40630369	NC_021163.1	Ca_kabuli_chr04	40630369	TT	AA	1940308825
SNP_P1_79426_40630370	NC_021163.1	Ca_kabuli_chr04	40630370	TT	CC	1940308827
SNP_P1_79427_40630411	NC_021163.1	Ca_kabuli_chr04	40630411	GG	AA	1940308829
SNP_P1_79428_40630790	NC_021163.1	Ca_kabuli_chr04	40630790	AA	CC	1940308830
SNP_P1_79429_40630812	NC_021163.1	Ca_kabuli_chr04	40630812	GG	TT	1940308832
SNP_P1_79430_40633405	NC_021163.1	Ca_kabuli_chr04	40633405	GG	AA	1940308834
SNP_P1_79432_40633795	NC_021163.1	Ca_kabuli_chr04	40633795	AA	GG	1940308835
SNP_P1_79433_40633889	NC_021163.1	Ca_kabuli_chr04	40633889	TT	CC	1940308837
SNP_P1_79434_40634570	NC_021163.1	Ca_kabuli_chr04	40634570	GG	AA	1940308839
SNP_P1_79435_40634624	NC_021163.1	Ca_kabuli_chr04	40634624	TT	AA	1940308840
SNP_P1_79436_40635062	NC_021163.1	Ca_kabuli_chr04	40635062	GG	TT	1940308842
SNP_P1_79437_40636320	NC_021163.1	Ca_kabuli_chr04	40636320	CC	AA	1940308844
SNP_P1_79438_40637646	NC_021163.1	Ca_kabuli_chr04	40637646	TT	GG	1940308845
SNP_P1_79439_40637789	NC_021163.1	Ca_kabuli_chr04	40637789	TT	CC	1940308847
SNP_P1_79440_40637790	NC_021163.1	Ca_kabuli_chr04	40637790	CC	AA	1940308849
SNP_P1_79441_40637900	NC_021163.1	Ca_kabuli_chr04	40637900	AA	CC	1940308850
SNP_P1_79442_40638071	NC_021163.1	Ca_kabuli_chr04	40638071	CC	TT	1940308852
SNP_P1_79443_40638439	NC_021163.1	Ca_kabuli_chr04	40638439	CC	TT	1940308854
SNP_P1_79444_40638658	NC_021163.1	Ca_kabuli_chr04	40638658	CC	GG	1940308855
SNP_P1_79445_40638713	NC_021163.1	Ca_kabuli_chr04	40638713	TT	CC	1940308857
SNP_P1_79447_40638745	NC_021163.1	Ca_kabuli_chr04	40638745	TT	CC	1940308859
SNP_P1_79448_40638748	NC_021163.1	Ca_kabuli_chr04	40638748	TT	CC	1940308860
SNP_P1_79450_40639273	NC_021163.1	Ca_kabuli_chr04	40639273	TT	GG	1940308862
SNP_P1_79451_40639322	NC_021163.1	Ca_kabuli_chr04	40639322	AA	GG	1940308864
SNP_P1_79452_40639338	NC_021163.1	Ca_kabuli_chr04	40639338	GG	AA	1940308865
SNP_P1_79453_40639403	NC_021163.1	Ca_kabuli_chr04	40639403	TT	AA	1940308867
SNP_P1_79454_40639635	NC_021163.1	Ca_kabuli_chr04	40639635	AA	GG	1940308869
SNP_P1_79455_40639640	NC_021163.1	Ca_kabuli_chr04	40639640	AA	GG	1940308870

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79457_40639695	NC_021163.1	Ca_kabuli_chr04	40639695	TT	AA	1940308874
SNP_P1_79458_40639701	NC_021163.1	Ca_kabuli_chr04	40639701	AA	TT	1940308875
SNP_P1_79459_40639741	NC_021163.1	Ca_kabuli_chr04	40639741	TT	AA	1940308877
SNP_P1_79462_40640353	NC_021163.1	Ca_kabuli_chr04	40640353	TT	CC	1940308879
SNP_P1_79463_40640413	NC_021163.1	Ca_kabuli_chr04	40640413	CC	TT	1940308880
SNP_P1_79465_40640584	NC_021163.1	Ca_kabuli_chr04	40640584	TT	CC	1940308882
SNP_P1_79466_40640689	NC_021163.1	Ca_kabuli_chr04	40640689	AA	CC	1940308884
SNP_P1_79467_40640819	NC_021163.1	Ca_kabuli_chr04	40640819	AA	TT	1940308885
SNP_P1_79469_40641134	NC_021163.1	Ca_kabuli_chr04	40641134	TT	GG	1940308887
SNP_P1_79470_40641164	NC_021163.1	Ca_kabuli_chr04	40641164	GG	AA	1940308889
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SNP_P1_79474_40646602	NC_021163.1	Ca_kabuli_chr04	40646602	AA	CC	1940308892
SNP_P1_79475_40646647	NC_021163.1	Ca_kabuli_chr04	40646647	AA	TT	1940308894
SNP_P1_79476_40646915	NC_021163.1	Ca_kabuli_chr04	40646915	CC	TT	1940308895
SNP_P1_79477_40646974	NC_021163.1	Ca_kabuli_chr04	40646974	GG	AA	1940308897
SNP_P1_79478_40646976	NC_021163.1	Ca_kabuli_chr04	40646976	CC	TT	1940308899
SNP_P1_79479_40647065	NC_021163.1	Ca_kabuli_chr04	40647065	GG	AA	1940308900
SNP_P1_79480_40647474	NC_021163.1	Ca_kabuli_chr04	40647474	TT	AA	1940308902
SNP_P1_79481_40648205	NC_021163.1	Ca_kabuli_chr04	40648205	GG	AA	1940308904
SNP_P1_79482_40648207	NC_021163.1	Ca_kabuli_chr04	40648207	CC	TT	1940308905
SNP_P1_79483_40648359	NC_021163.1	Ca_kabuli_chr04	40648359	TT	CC	1940308907
SNP_P1_79484_40648384	NC_021163.1	Ca_kabuli_chr04	40648384	CC	AA	1940308909
SNP_P1_79485_40648618	NC_021163.1	Ca_kabuli_chr04	40648618	CC	TT	1940308910
SNP_P1_79486_40648634	NC_021163.1	Ca_kabuli_chr04	40648634	GG	AA	1940308912
SNP_P1_79487_40648635	NC_021163.1	Ca_kabuli_chr04	40648635	AA	GG	1940308914
SNP_P1_79488_40648653	NC_021163.1	Ca_kabuli_chr04	40648653	GG	CC	1940308915
SNP_P1_79489_40648710	NC_021163.1	Ca_kabuli_chr04	40648710	AA	CC	1940308917
SNP_P1_79490_40648743	NC_021163.1	Ca_kabuli_chr04	40648743	CC	TT	1940308919
SNP_P1_79491_40648780	NC_021163.1	Ca_kabuli_chr04	40648780	AA	GG	1940308920
SNP_P1_79492_40648899	NC_021163.1	Ca_kabuli_chr04	40648899	GG	AA	1940308922
SNP_P1_79493_40648933	NC_021163.1	Ca_kabuli_chr04	40648933	CC	TT	1940308924
SNP_P1_79495_40649069	NC_021163.1	Ca_kabuli_chr04	40649069	GG	CC	1940308925
SNP_P1_79496_40649219	NC_021163.1	Ca_kabuli_chr04	40649219	AA	TT	1940308927
SNP_P1_79497_40649305	NC_021163.1	Ca_kabuli_chr04	40649305	CC	AA	1940308929
SNP_P1_79498_40651378	NC_021163.1	Ca_kabuli_chr04	40651378	CC	AA	1940308930
SNP_P1_79499_40651379	NC_021163.1	Ca_kabuli_chr04	40651379	TT	CC	1940308932
SNP_P1_79500_40651380	NC_021163.1	Ca_kabuli_chr04	40651380	CC	GG	1940308934
SNP_P1_79501_40651636	NC_021163.1	Ca_kabuli_chr04	40651636	GG	AA	1940308935
SNP_P1_79502_40651639	NC_021163.1	Ca_kabuli_chr04	40651639	TT	AA	1940308937
SNP_P1_79503_40652279	NC_021163.1	Ca_kabuli_chr04	40652279	AA	GG	1940308939
SNP_P1_79504_40652649	NC_021163.1	Ca_kabuli_chr04	40652649	CC	TT	1940308940

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79508_40653214	NC_021163.1	Ca_kabuli_chr04	40653214	AA	TT	1940308944
SNP_P1_79510_40653241	NC_021163.1	Ca_kabuli_chr04	40653241	GG	AA	1940308945
SNP_P1_79511_40653263	NC_021163.1	Ca_kabuli_chr04	40653263	AA	CC	1940308947
SNP_P1_79512_40653271	NC_021163.1	Ca_kabuli_chr04	40653271	GG	AA	1940308949
SNP_P1_79513_40653295	NC_021163.1	Ca_kabuli_chr04	40653295	CC	TT	1940308950
SNP_P1_79514_40653565	NC_021163.1	Ca_kabuli_chr04	40653565	TT	CC	1940308952
SNP_P1_79518_40701039	NC_021163.1	Ca_kabuli_chr04	40701039	TT	CC	1940308954
SNP_P1_79519_40701052	NC_021163.1	Ca_kabuli_chr04	40701052	TT	CC	1940308955
SNP_P1_79520_40701101	NC_021163.1	Ca_kabuli_chr04	40701101	GG	AA	1940308957
SNP_P1_79521_40702111	NC_021163.1	Ca_kabuli_chr04	40702111	TT	GG	1940308959
SNP_P1_79522_40702215	NC_021163.1	Ca_kabuli_chr04	40702215	TT	CC	1940308960
SNP_P1_79523_40702232	NC_021163.1	Ca_kabuli_chr04	40702232	CC	TT	1940308962
SNP_P1_79524_40702587	NC_021163.1	Ca_kabuli_chr04	40702587	CC	GG	1940308964
SNP_P1_79525_40702629	NC_021163.1	Ca_kabuli_chr04	40702629	TT	CC	1940308965
SNP_P1_79526_40702673	NC_021163.1	Ca_kabuli_chr04	40702673	AA	GG	1940308967
SNP_P1_79528_40702781	NC_021163.1	Ca_kabuli_chr04	40702781	CC	TT	1940308969
SNP_P1_79529_40702816	NC_021163.1	Ca_kabuli_chr04	40702816	GG	AA	1940308970
SNP_P1_79530_40702833	NC_021163.1	Ca_kabuli_chr04	40702833	GG	AA	1940308972
SNP_P1_79531_40703042	NC_021163.1	Ca_kabuli_chr04	40703042	CC	AA	1940308974
SNP_P1_79532_40703141	NC_021163.1	Ca_kabuli_chr04	40703141	TT	CC	1940308975
SNP_P1_79533_40703270	NC_021163.1	Ca_kabuli_chr04	40703270	CC	AA	1940308977
SNP_P1_79535_40704137	NC_021163.1	Ca_kabuli_chr04	40704137	TT	CC	1940308979
SNP_P1_79536_40707256	NC_021163.1	Ca_kabuli_chr04	40707256	GG	AA	1940308980
SNP_P1_79537_40709050	NC_021163.1	Ca_kabuli_chr04	40709050	TT	CC	1940308982
SNP_P1_79538_40714458	NC_021163.1	Ca_kabuli_chr04	40714458	TT	AA	1940308984
SNP_P1_79539_40715582	NC_021163.1	Ca_kabuli_chr04	40715582	CC	GG	1940308985
SNP_P1_79540_40716090	NC_021163.1	Ca_kabuli_chr04	40716090	AA	TT	1940308987
SNP_P1_79541_40716428	NC_021163.1	Ca_kabuli_chr04	40716428	GG	AA	1940308989
SNP_P1_79542_40718660	NC_021163.1	Ca_kabuli_chr04	40718660	AA	GG	1940308990
SNP_P1_79544_40720663	NC_021163.1	Ca_kabuli_chr04	40720663	TT	CC	1940308992
SNP_P1_79545_40721460	NC_021163.1	Ca_kabuli_chr04	40721460	AA	GG	1940308994
SNP_P1_79546_40723208	NC_021163.1	Ca_kabuli_chr04	40723208	GG	CC	1940308995
SNP_P1_79548_40728682	NC_021163.1	Ca_kabuli_chr04	40728682	AA	GG	1940308997
SNP_P1_79549_40729049	NC_021163.1	Ca_kabuli_chr04	40729049	CC	GG	1940308999
SNP_P1_79550_40729362	NC_021163.1	Ca_kabuli_chr04	40729362	AA	GG	1940309000
SNP_P1_79551_40729369	NC_021163.1	Ca_kabuli_chr04	40729369	AA	GG	1940309002
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SNP_P1_79554_40729668	NC_021163.1	Ca_kabuli_chr04	40729668	TT	AA	1940309005
SNP_P1_79555_40729744	NC_021163.1	Ca_kabuli_chr04	40729744	GG	AA	1940309007
SNP_P1_79556_40730032	NC_021163.1	Ca_kabuli_chr04	40730032	AA	GG	1940309009
SNP_P1_79557_40730038	NC_021163.1	Ca_kabuli_chr04	40730038	TT	CC	1940309010

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79559_40730225	NC_021163.1	Ca_kabuli_chr04	40730225	AA	GG	1940309014
SNP_P1_79560_40730549	NC_021163.1	Ca_kabuli_chr04	40730549	CC	TT	1940309016
SNP_P1_79561_40730830	NC_021163.1	Ca_kabuli_chr04	40730830	AA	GG	1940309017
SNP_P1_79562_40730923	NC_021163.1	Ca_kabuli_chr04	40730923	TT	AA	1940309019
SNP_P1_79564_40731159	NC_021163.1	Ca_kabuli_chr04	40731159	CC	AA	1940309021
SNP_P1_79565_40731207	NC_021163.1	Ca_kabuli_chr04	40731207	GG	AA	1940309022
SNP_P1_79566_40731451	NC_021163.1	Ca_kabuli_chr04	40731451	CC	TT	1940309024
SNP_P1_79567_40731452	NC_021163.1	Ca_kabuli_chr04	40731452	TT	CC	1940309025
SNP_P1_79568_40731468	NC_021163.1	Ca_kabuli_chr04	40731468	AA	GG	1940309027
SNP_P1_79569_40732338	NC_021163.1	Ca_kabuli_chr04	40732338	GG	AA	1940309029
SNP_P1_79570_40732357	NC_021163.1	Ca_kabuli_chr04	40732357	TT	CC	1940309030
SNP_P1_79571_40732363	NC_021163.1	Ca_kabuli_chr04	40732363	TT	AA	1940309032
SNP_P1_79572_40733601	NC_021163.1	Ca_kabuli_chr04	40733601	TT	AA	1940309034
SNP_P1_79573_40734461	NC_021163.1	Ca_kabuli_chr04	40734461	CC	TT	1940309035
SNP_P1_79575_40734494	NC_021163.1	Ca_kabuli_chr04	40734494	AA	CC	1940309037
SNP_P1_79577_40737530	NC_021163.1	Ca_kabuli_chr04	40737530	TT	CC	1940309039
SNP_P1_79578_40737662	NC_021163.1	Ca_kabuli_chr04	40737662	AA	TT	1940309040
SNP_P1_79579_40737819	NC_021163.1	Ca_kabuli_chr04	40737819	TT	CC	1940309042
SNP_P1_79580_40738475	NC_021163.1	Ca_kabuli_chr04	40738475	AA	TT	1940309044
SNP_P1_79581_40742532	NC_021163.1	Ca_kabuli_chr04	40742532	TT	CC	1940309046
SNP_P1_79582_40742568	NC_021163.1	Ca_kabuli_chr04	40742568	CC	TT	1940309047
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SNP_P1_79585_40743497	NC_021163.1	Ca_kabuli_chr04	40743497	GG	AA	1940309051
SNP_P1_79587_40743806	NC_021163.1	Ca_kabuli_chr04	40743806	TT	CC	1940309052
SNP_P1_79588_40743807	NC_021163.1	Ca_kabuli_chr04	40743807	GG	AA	1940309054
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SNP_P1_79590_40743838	NC_021163.1	Ca_kabuli_chr04	40743838	GG	CC	1940309057
SNP_P1_79591_40743850	NC_021163.1	Ca_kabuli_chr04	40743850	TT	AA	1940309059
SNP_P1_79592_40743944	NC_021163.1	Ca_kabuli_chr04	40743944	AA	GG	1940309061
SNP_P1_79594_40744009	NC_021163.1	Ca_kabuli_chr04	40744009	GG	AA	1940309062
SNP_P1_79595_40744056	NC_021163.1	Ca_kabuli_chr04	40744056	GG	CC	1940309064
SNP_P1_79596_40744170	NC_021163.1	Ca_kabuli_chr04	40744170	TT	CC	1940309066
SNP_P1_79597_40744190	NC_021163.1	Ca_kabuli_chr04	40744190	CC	TT	1940309067
SNP_P1_79598_40745413	NC_021163.1	Ca_kabuli_chr04	40745413	AA	TT	1940309069
SNP_P1_79599_40746510	NC_021163.1	Ca_kabuli_chr04	40746510	TT	CC	1940309071
SNP_P1_79602_40746916	NC_021163.1	Ca_kabuli_chr04	40746916	CC	TT	1940309072
SNP_P1_79603_40746999	NC_021163.1	Ca_kabuli_chr04	40746999	GG	AA	1940309074
SNP_P1_79604_40747377	NC_021163.1	Ca_kabuli_chr04	40747377	CC	AA	1940309076
SNP_P1_79605_40747551	NC_021163.1	Ca_kabuli_chr04	40747551	CC	TT	1940309077
SNP_P1_79607_40747701	NC_021163.1	Ca_kabuli_chr04	40747701	AA	GG	1940309079
SNP_P1_79608_40748202	NC_021163.1	Ca_kabuli_chr04	40748202	AA	TT	1940309081

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79612_40748761	NC_021163.1	Ca_kabuli_chr04	40748761	GG	CC	1940309084
SNP_P1_79614_40749792	NC_021163.1	Ca_kabuli_chr04	40749792	CC	TT	1940309086
SNP_P1_79615_40749812	NC_021163.1	Ca_kabuli_chr04	40749812	GG	CC	1940309087
SNP_P1_79616_40749818	NC_021163.1	Ca_kabuli_chr04	40749818	TT	CC	1940309089
SNP_P1_79617_40749870	NC_021163.1	Ca_kabuli_chr04	40749870	AA	TT	1940309091
SNP_P1_79618_40749915	NC_021163.1	Ca_kabuli_chr04	40749915	TT	CC	1940309092
SNP_P1_79619_40749937	NC_021163.1	Ca_kabuli_chr04	40749937	AA	GG	1940309094
SNP_P1_79620_40749947	NC_021163.1	Ca_kabuli_chr04	40749947	AA	CC	1940309096
SNP_P1_79621_40750114	NC_021163.1	Ca_kabuli_chr04	40750114	GG	AA	1940309097
SNP_P1_79622_40750173	NC_021163.1	Ca_kabuli_chr04	40750173	CC	TT	1940309099
SNP_P1_79623_40750291	NC_021163.1	Ca_kabuli_chr04	40750291	AA	CC	1940309101
SNP_P1_79624_40750555	NC_021163.1	Ca_kabuli_chr04	40750555	AA	GG	1940309102
SNP_P1_79625_40751630	NC_021163.1	Ca_kabuli_chr04	40751630	TT	CC	1940309104
SNP_P1_79626_40751753	NC_021163.1	Ca_kabuli_chr04	40751753	AA	TT	1940309106
SNP_P1_79627_40751762	NC_021163.1	Ca_kabuli_chr04	40751762	TT	CC	1940309107
SNP_P1_79628_40751810	NC_021163.1	Ca_kabuli_chr04	40751810	GG	CC	1940309109
SNP_P1_79629_40751845	NC_021163.1	Ca_kabuli_chr04	40751845	AA	GG	1940309111
SNP_P1_79630_40751850	NC_021163.1	Ca_kabuli_chr04	40751850	GG	AA	1940309112
SNP_P1_79631_40751951	NC_021163.1	Ca_kabuli_chr04	40751951	AA	GG	1940309114
SNP_P1_79632_40752113	NC_021163.1	Ca_kabuli_chr04	40752113	AA	GG	1940309116
SNP_P1_79633_40752294	NC_021163.1	Ca_kabuli_chr04	40752294	AA	GG	1940309117
SNP_P1_79635_40752317	NC_021163.1	Ca_kabuli_chr04	40752317	AA	GG	1940309119
SNP_P1_79636_40752341	NC_021163.1	Ca_kabuli_chr04	40752341	TT	AA	1940309121
SNP_P1_79637_40753827	NC_021163.1	Ca_kabuli_chr04	40753827	GG	TT	1940309122
SNP_P1_79639_40754579	NC_021163.1	Ca_kabuli_chr04	40754579	AA	TT	1940309124
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SNP_P1_79642_40754833	NC_021163.1	Ca_kabuli_chr04	40754833	AA	GG	1940309129
SNP_P1_79643_40755127	NC_021163.1	Ca_kabuli_chr04	40755127	GG	AA	1940309131
SNP_P1_79644_40755181	NC_021163.1	Ca_kabuli_chr04	40755181	TT	GG	1940309132
SNP_P1_79645_40755879	NC_021163.1	Ca_kabuli_chr04	40755879	TT	CC	1940309134
SNP_P1_79646_40756104	NC_021163.1	Ca_kabuli_chr04	40756104	CC	TT	1940309136
SNP_P1_79647_40757508	NC_021163.1	Ca_kabuli_chr04	40757508	CC	TT	1940309137
SNP_P1_79648_40757515	NC_021163.1	Ca_kabuli_chr04	40757515	CC	AA	1940309139
SNP_P1_79649_40757534	NC_021163.1	Ca_kabuli_chr04	40757534	GG	AA	1940309141
SNP_P1_79650_40757703	NC_021163.1	Ca_kabuli_chr04	40757703	GG	TT	1940309142
SNP_P1_79651_40757712	NC_021163.1	Ca_kabuli_chr04	40757712	TT	GG	1940309144
SNP_P1_79652_40757783	NC_021163.1	Ca_kabuli_chr04	40757783	GG	AA	1940309146
SNP_P1_79653_40757980	NC_021163.1	Ca_kabuli_chr04	40757980	AA	GG	1940309147
SNP_P1_79654_40759013	NC_021163.1	Ca_kabuli_chr04	40759013	CC	TT	1940309149
SNP_P1_79655_40759140	NC_021163.1	Ca_kabuli_chr04	40759140	CC	TT	1940309151

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79659_40759753	NC_021163.1	Ca_kabuli_chr04	40759753	TT	CC	1940309154
SNP_P1_79660_40759827	NC_021163.1	Ca_kabuli_chr04	40759827	AA	CC	1940309156
SNP_P1_79662_40760435	NC_021163.1	Ca_kabuli_chr04	40760435	TT	CC	1940309157
SNP_P1_79663_40760440	NC_021163.1	Ca_kabuli_chr04	40760440	AA	TT	1940309159
SNP_P1_79664_40761315	NC_021163.1	Ca_kabuli_chr04	40761315	AA	TT	1940309161
SNP_P1_79665_40761320	NC_021163.1	Ca_kabuli_chr04	40761320	AA	CC	1940309162
SNP_P1_79666_40761323	NC_021163.1	Ca_kabuli_chr04	40761323	AA	TT	1940309164
SNP_P1_79668_40762031	NC_021163.1	Ca_kabuli_chr04	40762031	CC	TT	1940309166
SNP_P1_79669_40762074	NC_021163.1	Ca_kabuli_chr04	40762074	AA	GG	1940309167
SNP_P1_79670_40762091	NC_021163.1	Ca_kabuli_chr04	40762091	CC	AA	1940309169
SNP_P1_79671_40762092	NC_021163.1	Ca_kabuli_chr04	40762092	CC	GG	1940309171
SNP_P1_79672_40762575	NC_021163.1	Ca_kabuli_chr04	40762575	TT	CC	1940309172
SNP_P1_79673_40762727	NC_021163.1	Ca_kabuli_chr04	40762727	CC	GG	1940309174
SNP_P1_79674_40762776	NC_021163.1	Ca_kabuli_chr04	40762776	TT	GG	1940309176
SNP_P1_79675_40763003	NC_021163.1	Ca_kabuli_chr04	40763003	TT	AA	1940309177
SNP_P1_79676_40763043	NC_021163.1	Ca_kabuli_chr04	40763043	TT	CC	1940309179
SNP_P1_79677_40763204	NC_021163.1	Ca_kabuli_chr04	40763204	TT	AA	1940309181
SNP_P1_79678_40763209	NC_021163.1	Ca_kabuli_chr04	40763209	CC	TT	1940309182
SNP_P1_79680_40763676	NC_021163.1	Ca_kabuli_chr04	40763676	TT	CC	1940309184
SNP_P1_79682_40765134	NC_021163.1	Ca_kabuli_chr04	40765134	AA	CC	1940309186
SNP_P1_79683_40765229	NC_021163.1	Ca_kabuli_chr04	40765229	CC	TT	1940309187
SNP_P1_79684_40765251	NC_021163.1	Ca_kabuli_chr04	40765251	GG	TT	1940309189
SNP_P1_79685_40765280	NC_021163.1	Ca_kabuli_chr04	40765280	CC	TT	1940309191
SNP_P1_79686_40765343	NC_021163.1	Ca_kabuli_chr04	40765343	TT	AA	1940309192
SNP_P1_79687_40765401	NC_021163.1	Ca_kabuli_chr04	40765401	GG	AA	1940309194
SNP_P1_79688_40765858	NC_021163.1	Ca_kabuli_chr04	40765858	CC	TT	1940309196
SNP_P1_79689_40766659	NC_021163.1	Ca_kabuli_chr04	40766659	CC	TT	1940309197
SNP_P1_79690_40766674	NC_021163.1	Ca_kabuli_chr04	40766674	TT	CC	1940309199
SNP_P1_79691_40766692	NC_021163.1	Ca_kabuli_chr04	40766692	TT	CC	1940309201
SNP_P1_79692_40766796	NC_021163.1	Ca_kabuli_chr04	40766796	GG	TT	1940309202
SNP_P1_79693_40766834	NC_021163.1	Ca_kabuli_chr04	40766834	GG	AA	1940309204
SNP_P1_79694_40766850	NC_021163.1	Ca_kabuli_chr04	40766850	CC	GG	1940309206
SNP_P1_79695_40766858	NC_021163.1	Ca_kabuli_chr04	40766858	TT	CC	1940309207
SNP_P1_79696_40767216	NC_021163.1	Ca_kabuli_chr04	40767216	AA	CC	1940309209
SNP_P1_79697_40767395	NC_021163.1	Ca_kabuli_chr04	40767395	CC	AA	1940309211
SNP_P1_79700_40768114	NC_021163.1	Ca_kabuli_chr04	40768114	AA	CC	1940309212
SNP_P1_79701_40768134	NC_021163.1	Ca_kabuli_chr04	40768134	GG	AA	1940309214
SNP_P1_79702_40768137	NC_021163.1	Ca_kabuli_chr04	40768137	TT	CC	1940309216
SNP_P1_79703_40769625	NC_021163.1	Ca_kabuli_chr04	40769625	CC	TT	1940309217
SNP_P1_79704_40769791	NC_021163.1	Ca_kabuli_chr04	40769791	CC	TT	1940309219
SNP_P1_79705_40769809	NC_021163.1	Ca_kabuli_chr04	40769809	TT	CC	1940309221

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79709_40770930	NC_021163.1	Ca_kabuli_chr04	40770930	GG	AA	1940309224
SNP_P1_79710_40771388	NC_021163.1	Ca_kabuli_chr04	40771388	CC	GG	1940309226
SNP_P1_79711_40772476	NC_021163.1	Ca_kabuli_chr04	40772476	CC	TT	1940309227
SNP_P1_79712_40772479	NC_021163.1	Ca_kabuli_chr04	40772479	CC	TT	1940309229
SNP_P1_79714_40772522	NC_021163.1	Ca_kabuli_chr04	40772522	GG	TT	1940309231
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SNP_P1_79718_40772820	NC_021163.1	Ca_kabuli_chr04	40772820	TT	CC	1940309236
SNP_P1_79719_40772835	NC_021163.1	Ca_kabuli_chr04	40772835	CC	TT	1940309237
SNP_P1_79720_40772841	NC_021163.1	Ca_kabuli_chr04	40772841	TT	AA	1940309239
SNP_P1_79721_40772852	NC_021163.1	Ca_kabuli_chr04	40772852	GG	AA	1940309241
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SNP_P1_79726_40772913	NC_021163.1	Ca_kabuli_chr04	40772913	CC	TT	1940309249
SNP_P1_79727_40773088	NC_021163.1	Ca_kabuli_chr04	40773088	GG	AA	1940309251
SNP_P1_79728_40773126	NC_021163.1	Ca_kabuli_chr04	40773126	GG	AA	1940309252
SNP_P1_79729_40773148	NC_021163.1	Ca_kabuli_chr04	40773148	CC	TT	1940309254
SNP_P1_79730_40773150	NC_021163.1	Ca_kabuli_chr04	40773150	TT	GG	1940309256
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SNP_P1_79732_40773181	NC_021163.1	Ca_kabuli_chr04	40773181	CC	TT	1940309259
SNP_P1_79733_40773335	NC_021163.1	Ca_kabuli_chr04	40773335	TT	GG	1940309261
SNP_P1_79734_40773343	NC_021163.1	Ca_kabuli_chr04	40773343	CC	TT	1940309263
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SNP_P1_79737_40773372	NC_021163.1	Ca_kabuli_chr04	40773372	GG	CC	1940309268
SNP_P1_79738_40773492	NC_021163.1	Ca_kabuli_chr04	40773492	GG	TT	1940309269
SNP_P1_79739_40773516	NC_021163.1	Ca_kabuli_chr04	40773516	TT	CC	1940309271
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SNP_P1_79743_40773919	NC_021163.1	Ca_kabuli_chr04	40773919	GG	AA	1940309276
SNP_P1_79745_40776452	NC_021163.1	Ca_kabuli_chr04	40776452	CC	AA	1940309278
SNP_P1_79746_40777027	NC_021163.1	Ca_kabuli_chr04	40777027	AA	CC	1940309279
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SNP_P1_79750_40778095	NC_021163.1	Ca_kabuli_chr04	40778095	TT	CC	1940309284
SNP_P1_79751_40778234	NC_021163.1	Ca_kabuli_chr04	40778234	CC	TT	1940309286
SNP_P1_79752_40778251	NC_021163.1	Ca_kabuli_chr04	40778251	TT	GG	1940309288
SNP_P1_79753_40778464	NC_021163.1	Ca_kabuli_chr04	40778464	TT	CC	1940309289
SNP_P1_79754_40778783	NC_021163.1	Ca_kabuli_chr04	40778783	TT	GG	1940309291

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79758_40779517	NC_021163.1	Ca_kabuli_chr04	40779517	TT	CC	1940309296
SNP_P1_79759_40779546	NC_021163.1	Ca_kabuli_chr04	40779546	CC	TT	1940309298
SNP_P1_79760_40781593	NC_021163.1	Ca_kabuli_chr04	40781593	CC	TT	1940309299
SNP_P1_79761_40781831	NC_021163.1	Ca_kabuli_chr04	40781831	AA	GG	1940309301
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SNP_P1_79763_40782208	NC_021163.1	Ca_kabuli_chr04	40782208	GG	AA	1940309304
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SNP_P1_79765_40782219	NC_021163.1	Ca_kabuli_chr04	40782219	AA	GG	1940309308
SNP_P1_79766_40782220	NC_021163.1	Ca_kabuli_chr04	40782220	CC	TT	1940309309
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SNP_P1_79768_40782237	NC_021163.1	Ca_kabuli_chr04	40782237	GG	AA	1940309313
SNP_P1_79769_40782408	NC_021163.1	Ca_kabuli_chr04	40782408	CC	AA	1940309314
SNP_P1_79770_40783553	NC_021163.1	Ca_kabuli_chr04	40783553	AA	GG	1940309316
SNP_P1_79772_40783810	NC_021163.1	Ca_kabuli_chr04	40783810	AA	GG	1940309318
SNP_P1_79773_40783828	NC_021163.1	Ca_kabuli_chr04	40783828	TT	CC	1940309319
SNP_P1_79775_40783908	NC_021163.1	Ca_kabuli_chr04	40783908	AA	TT	1940309321
SNP_P1_79777_40785987	NC_021163.1	Ca_kabuli_chr04	40785987	TT	CC	1940309323
SNP_P1_79778_40786004	NC_021163.1	Ca_kabuli_chr04	40786004	TT	CC	1940309324
SNP_P1_79779_40786715	NC_021163.1	Ca_kabuli_chr04	40786715	TT	CC	1940309326
SNP_P1_79780_40786760	NC_021163.1	Ca_kabuli_chr04	40786760	TT	CC	1940309328
SNP_P1_79781_40786848	NC_021163.1	Ca_kabuli_chr04	40786848	CC	TT	1940309329
SNP_P1_79782_40787229	NC_021163.1	Ca_kabuli_chr04	40787229	TT	CC	1940309331
SNP_P1_79785_40788135	NC_021163.1	Ca_kabuli_chr04	40788135	TT	CC	1940309333
SNP_P1_79786_40788138	NC_021163.1	Ca_kabuli_chr04	40788138	GG	AA	1940309334
SNP_P1_79788_40788567	NC_021163.1	Ca_kabuli_chr04	40788567	AA	CC	1940309336
SNP_P1_79789_40790138	NC_021163.1	Ca_kabuli_chr04	40790138	AA	TT	1940309338
SNP_P1_79790_40790240	NC_021163.1	Ca_kabuli_chr04	40790240	CC	TT	1940309339
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SNP_P1_79792_40790309	NC_021163.1	Ca_kabuli_chr04	40790309	TT	AA	1940309343
SNP_P1_79794_40790489	NC_021163.1	Ca_kabuli_chr04	40790489	AA	TT	1940309344
SNP_P1_79795_40790490	NC_021163.1	Ca_kabuli_chr04	40790490	TT	GG	1940309346
SNP_P1_79796_40790669	NC_021163.1	Ca_kabuli_chr04	40790669	GG	TT	1940309348
SNP_P1_79797_40790675	NC_021163.1	Ca_kabuli_chr04	40790675	TT	AA	1940309349
SNP_P1_79798_40790940	NC_021163.1	Ca_kabuli_chr04	40790940	GG	AA	1940309351
SNP_P1_79799_40790971	NC_021163.1	Ca_kabuli_chr04	40790971	AA	GG	1940309353
SNP_P1_79801_40791147	NC_021163.1	Ca_kabuli_chr04	40791147	CC	TT	1940309354
SNP_P1_79802_40791158	NC_021163.1	Ca_kabuli_chr04	40791158	CC	TT	1940309356
SNP_P1_79803_40791349	NC_021163.1	Ca_kabuli_chr04	40791349	CC	AA	1940309358
SNP_P1_79804_40793070	NC_021163.1	Ca_kabuli_chr04	40793070	CC	GG	1940309359
SNP_P1_79806_40793380	NC_021163.1	Ca_kabuli_chr04	40793380	AA	GG	1940309361

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79808_40794798	NC_021163.1	Ca_kabuli_chr04	40794798	CC	GG	1940309364
SNP_P1_79809_40795306	NC_021163.1	Ca_kabuli_chr04	40795306	CC	GG	1940309366
SNP_P1_79810_40795319	NC_021163.1	Ca_kabuli_chr04	40795319	TT	CC	1940309368
SNP_P1_79811_40795384	NC_021163.1	Ca_kabuli_chr04	40795384	CC	TT	1940309369
SNP_P1_79812_40795503	NC_021163.1	Ca_kabuli_chr04	40795503	AA	GG	1940309371
SNP_P1_79813_40795578	NC_021163.1	Ca_kabuli_chr04	40795578	TT	CC	1940309373
SNP_P1_79814_40795582	NC_021163.1	Ca_kabuli_chr04	40795582	CC	TT	1940309374
SNP_P1_79815_40796819	NC_021163.1	Ca_kabuli_chr04	40796819	CC	TT	1940309376
SNP_P1_79816_40796830	NC_021163.1	Ca_kabuli_chr04	40796830	TT	GG	1940309378
SNP_P1_79817_40797028	NC_021163.1	Ca_kabuli_chr04	40797028	TT	CC	1940309379
SNP_P1_79818_40797194	NC_021163.1	Ca_kabuli_chr04	40797194	GG	TT	1940309381
SNP_P1_79819_40797201	NC_021163.1	Ca_kabuli_chr04	40797201	TT	CC	1940309383
SNP_P1_79820_40797450	NC_021163.1	Ca_kabuli_chr04	40797450	GG	AA	1940309384
SNP_P1_79822_40797482	NC_021163.1	Ca_kabuli_chr04	40797482	GG	CC	1940309386
SNP_P1_79824_40797583	NC_021163.1	Ca_kabuli_chr04	40797583	CC	TT	1940309388
SNP_P1_79825_40797629	NC_021163.1	Ca_kabuli_chr04	40797629	CC	TT	1940309389
SNP_P1_79826_40797633	NC_021163.1	Ca_kabuli_chr04	40797633	CC	AA	1940309391
SNP_P1_79827_40797684	NC_021163.1	Ca_kabuli_chr04	40797684	CC	TT	1940309393
SNP_P1_79828_40797691	NC_021163.1	Ca_kabuli_chr04	40797691	GG	TT	1940309394
SNP_P1_79829_40797781	NC_021163.1	Ca_kabuli_chr04	40797781	AA	GG	1940309396
SNP_P1_79830_40797950	NC_021163.1	Ca_kabuli_chr04	40797950	CC	TT	1940309398
SNP_P1_79831_40797952	NC_021163.1	Ca_kabuli_chr04	40797952	TT	GG	1940309399
SNP_P1_79832_40798003	NC_021163.1	Ca_kabuli_chr04	40798003	CC	TT	1940309401
SNP_P1_79833_40799069	NC_021163.1	Ca_kabuli_chr04	40799069	AA	GG	1940309403
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SNP_P1_79837_40799476	NC_021163.1	Ca_kabuli_chr04	40799476	GG	TT	1940309408
SNP_P1_79838_40799723	NC_021163.1	Ca_kabuli_chr04	40799723	GG	AA	1940309409
SNP_P1_79840_40799764	NC_021163.1	Ca_kabuli_chr04	40799764	TT	AA	1940309411
SNP_P1_79841_40799765	NC_021163.1	Ca_kabuli_chr04	40799765	GG	AA	1940309413
SNP_P1_79842_40799843	NC_021163.1	Ca_kabuli_chr04	40799843	TT	AA	1940309414
SNP_P1_79843_40799850	NC_021163.1	Ca_kabuli_chr04	40799850	AA	CC	1940309416
SNP_P1_79844_40799935	NC_021163.1	Ca_kabuli_chr04	40799935	TT	GG	1940309418
SNP_P1_79845_40799974	NC_021163.1	Ca_kabuli_chr04	40799974	AA	TT	1940309419
SNP_P1_79846_40799975	NC_021163.1	Ca_kabuli_chr04	40799975	CC	AA	1940309421
SNP_P1_79847_40800106	NC_021163.1	Ca_kabuli_chr04	40800106	GG	AA	1940309423
SNP_P1_79848_40800133	NC_021163.1	Ca_kabuli_chr04	40800133	AA	TT	1940309424
SNP_P1_79849_40800164	NC_021163.1	Ca_kabuli_chr04	40800164	CC	TT	1940309426
SNP_P1_79850_40800344	NC_021163.1	Ca_kabuli_chr04	40800344	GG	TT	1940309428
SNP_P1_79851_40800480	NC_021163.1	Ca_kabuli_chr04	40800480	CC	TT	1940309430
SNP_P1_79852_40801147	NC_021163.1	Ca_kabuli_chr04	40801147	CC	TT	1940309431

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79854_40801287	NC_021163.1	Ca_kabuli_chr04	40801287	GG	AA	1940309435
SNP_P1_79856_40801481	NC_021163.1	Ca_kabuli_chr04	40801481	CC	AA	1940309436
SNP_P1_79857_40801999	NC_021163.1	Ca_kabuli_chr04	40801999	AA	GG	1940309438
SNP_P1_79859_40803324	NC_021163.1	Ca_kabuli_chr04	40803324	CC	TT	1940309440
SNP_P1_79860_40803368	NC_021163.1	Ca_kabuli_chr04	40803368	CC	TT	1940309441
SNP_P1_79861_40803370	NC_021163.1	Ca_kabuli_chr04	40803370	GG	AA	1940309443
SNP_P1_79862_40803398	NC_021163.1	Ca_kabuli_chr04	40803398	TT	CC	1940309445
SNP_P1_79863_40803516	NC_021163.1	Ca_kabuli_chr04	40803516	GG	AA	1940309446
SNP_P1_79864_40803530	NC_021163.1	Ca_kabuli_chr04	40803530	TT	GG	1940309448
SNP_P1_79865_40803533	NC_021163.1	Ca_kabuli_chr04	40803533	AA	CC	1940309450
SNP_P1_79866_40804760	NC_021163.1	Ca_kabuli_chr04	40804760	AA	GG	1940309451
SNP_P1_79867_40804774	NC_021163.1	Ca_kabuli_chr04	40804774	TT	GG	1940309453
SNP_P1_79868_40807475	NC_021163.1	Ca_kabuli_chr04	40807475	AA	TT	1940309455
SNP_P1_79869_40807519	NC_021163.1	Ca_kabuli_chr04	40807519	AA	GG	1940309456
SNP_P1_79870_40807522	NC_021163.1	Ca_kabuli_chr04	40807522	GG	TT	1940309458
SNP_P1_79872_40808010	NC_021163.1	Ca_kabuli_chr04	40808010	TT	CC	1940309460
SNP_P1_79873_40808067	NC_021163.1	Ca_kabuli_chr04	40808067	GG	CC	1940309461
SNP_P1_79874_40809554	NC_021163.1	Ca_kabuli_chr04	40809554	AA	CC	1940309463
SNP_P1_79877_40810424	NC_021163.1	Ca_kabuli_chr04	40810424	GG	AA	1940309465
SNP_P1_79878_40811162	NC_021163.1	Ca_kabuli_chr04	40811162	CC	AA	1940309466
SNP_P1_79879_40811175	NC_021163.1	Ca_kabuli_chr04	40811175	GG	TT	1940309468
SNP_P1_79880_40811441	NC_021163.1	Ca_kabuli_chr04	40811441	GG	AA	1940309470
SNP_P1_79881_40811463	NC_021163.1	Ca_kabuli_chr04	40811463	AA	GG	1940309471
SNP_P1_79883_40811689	NC_021163.1	Ca_kabuli_chr04	40811689	GG	TT	1940309473
SNP_P1_79884_40811698	NC_021163.1	Ca_kabuli_chr04	40811698	AA	GG	1940309475
SNP_P1_79885_40811701	NC_021163.1	Ca_kabuli_chr04	40811701	CC	AA	1940309476
SNP_P1_79886_40811720	NC_021163.1	Ca_kabuli_chr04	40811720	AA	GG	1940309478
SNP_P1_79887_40812029	NC_021163.1	Ca_kabuli_chr04	40812029	TT	GG	1940309480
SNP_P1_79889_40817441	NC_021163.1	Ca_kabuli_chr04	40817441	AA	CC	1940309481
SNP_P1_79890_40817467	NC_021163.1	Ca_kabuli_chr04	40817467	GG	CC	1940309483
SNP_P1_79891_40817510	NC_021163.1	Ca_kabuli_chr04	40817510	TT	CC	1940309485
SNP_P1_79892_40817745	NC_021163.1	Ca_kabuli_chr04	40817745	AA	GG	1940309486
SNP_P1_79893_40817756	NC_021163.1	Ca_kabuli_chr04	40817756	AA	GG	1940309488
SNP_P1_79894_40817911	NC_021163.1	Ca_kabuli_chr04	40817911	AA	GG	1940309490
SNP_P1_79895_40818184	NC_021163.1	Ca_kabuli_chr04	40818184	AA	GG	1940309491
SNP_P1_79896_40819529	NC_021163.1	Ca_kabuli_chr04	40819529	GG	AA	1940309493
SNP_P1_79897_40819567	NC_021163.1	Ca_kabuli_chr04	40819567	GG	CC	1940309495
SNP_P1_79898_40819584	NC_021163.1	Ca_kabuli_chr04	40819584	TT	AA	1940309496
SNP_P1_79901_40821076	NC_021163.1	Ca_kabuli_chr04	40821076	AA	GG	1940309498
SNP_P1_79902_40821734	NC_021163.1	Ca_kabuli_chr04	40821734	AA	GG	1940309500
SNP_P1_79903_40821990	NC_021163.1	Ca_kabuli_chr04	40821990	GG	TT	1940309501

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79906_40822819	NC_021163.1	Ca_kabuli_chr04	40822819	TT	CC	1940309505
SNP_P1_79907_40823005	NC_021163.1	Ca_kabuli_chr04	40823005	CC	AA	1940309506
SNP_P1_79908_40823345	NC_021163.1	Ca_kabuli_chr04	40823345	TT	GG	1940309508
SNP_P1_79909_40823371	NC_021163.1	Ca_kabuli_chr04	40823371	GG	CC	1940309510
SNP_P1_79910_40823385	NC_021163.1	Ca_kabuli_chr04	40823385	CC	AA	1940309511
SNP_P1_79911_40823386	NC_021163.1	Ca_kabuli_chr04	40823386	CC	TT	1940309513
SNP_P1_79912_40823696	NC_021163.1	Ca_kabuli_chr04	40823696	GG	TT	1940309515
SNP_P1_79914_40827434	NC_021163.1	Ca_kabuli_chr04	40827434	CC	TT	1940309516
SNP_P1_79915_40827520	NC_021163.1	Ca_kabuli_chr04	40827520	AA	GG	1940309518
SNP_P1_79916_40827614	NC_021163.1	Ca_kabuli_chr04	40827614	CC	TT	1940309520
SNP_P1_79917_40827696	NC_021163.1	Ca_kabuli_chr04	40827696	AA	GG	1940309521
SNP_P1_79918_40828629	NC_021163.1	Ca_kabuli_chr04	40828629	CC	TT	1940309523
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SNP_P1_79921_40830886	NC_021163.1	Ca_kabuli_chr04	40830886	TT	CC	1940309528
SNP_P1_79923_40832447	NC_021163.1	Ca_kabuli_chr04	40832447	GG	TT	1940309530
SNP_P1_79926_40833695	NC_021163.1	Ca_kabuli_chr04	40833695	GG	AA	1940309531
SNP_P1_79927_40833847	NC_021163.1	Ca_kabuli_chr04	40833847	CC	TT	1940309533
SNP_P1_79928_40834016	NC_021163.1	Ca_kabuli_chr04	40834016	CC	TT	1940309535
SNP_P1_79929_40834062	NC_021163.1	Ca_kabuli_chr04	40834062	GG	AA	1940309537
SNP_P1_79930_40834066	NC_021163.1	Ca_kabuli_chr04	40834066	CC	AA	1940309538
SNP_P1_79931_40834294	NC_021163.1	Ca_kabuli_chr04	40834294	CC	TT	1940309540
SNP_P1_79932_40834340	NC_021163.1	Ca_kabuli_chr04	40834340	TT	CC	1940309542
SNP_P1_79933_40834422	NC_021163.1	Ca_kabuli_chr04	40834422	CC	AA	1940309543
SNP_P1_79934_40834616	NC_021163.1	Ca_kabuli_chr04	40834616	TT	CC	1940309545
SNP_P1_79935_40835680	NC_021163.1	Ca_kabuli_chr04	40835680	TT	CC	1940309547
SNP_P1_79936_40835832	NC_021163.1	Ca_kabuli_chr04	40835832	AA	GG	1940309548
SNP_P1_79939_40837373	NC_021163.1	Ca_kabuli_chr04	40837373	AA	TT	1940309550
SNP_P1_79941_40839448	NC_021163.1	Ca_kabuli_chr04	40839448	GG	AA	1940309552
SNP_P1_79942_40839466	NC_021163.1	Ca_kabuli_chr04	40839466	TT	CC	1940309553
SNP_P1_79943_40839469	NC_021163.1	Ca_kabuli_chr04	40839469	TT	CC	1940309555
SNP_P1_79944_40839609	NC_021163.1	Ca_kabuli_chr04	40839609	GG	TT	1940309557
SNP_P1_79946_40839623	NC_021163.1	Ca_kabuli_chr04	40839623	AA	TT	1940309558
SNP_P1_79949_40840235	NC_021163.1	Ca_kabuli_chr04	40840235	AA	TT	1940309560
SNP_P1_79950_40840573	NC_021163.1	Ca_kabuli_chr04	40840573	TT	AA	1940309562
SNP_P1_79951_40840674	NC_021163.1	Ca_kabuli_chr04	40840674	AA	CC	1940309563
SNP_P1_79952_40841360	NC_021163.1	Ca_kabuli_chr04	40841360	CC	TT	1940309565
SNP_P1_79953_40841567	NC_021163.1	Ca_kabuli_chr04	40841567	CC	GG	1940309567
SNP_P1_79954_40841978	NC_021163.1	Ca_kabuli_chr04	40841978	GG	AA	1940309568
SNP_P1_79956_40842611	NC_021163.1	Ca_kabuli_chr04	40842611	GG	AA	1940309570
SNP_P1_79958_40842810	NC_021163.1	Ca_kabuli_chr04	40842810	AA	GG	1940309572

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_79964_40845039	NC_021163.1	Ca_kabuli_chr04	40845039	AA	GG	1940309577
SNP_P1_79965_40845641	NC_021163.1	Ca_kabuli_chr04	40845641	CC	AA	1940309578
SNP_P1_79966_40845899	NC_021163.1	Ca_kabuli_chr04	40845899	TT	GG	1940309580
SNP_P1_79969_40846776	NC_021163.1	Ca_kabuli_chr04	40846776	TT	AA	1940309582
SNP_P1_79970_40846813	NC_021163.1	Ca_kabuli_chr04	40846813	CC	TT	1940309583
SNP_P1_79971_40846841	NC_021163.1	Ca_kabuli_chr04	40846841	CC	TT	1940309585
SNP_P1_79972_40846842	NC_021163.1	Ca_kabuli_chr04	40846842	CC	GG	1940309587
SNP_P1_79973_40846847	NC_021163.1	Ca_kabuli_chr04	40846847	GG	AA	1940309588
SNP_P1_79974_40847836	NC_021163.1	Ca_kabuli_chr04	40847836	TT	CC	1940309590
SNP_P1_79975_40851320	NC_021163.1	Ca_kabuli_chr04	40851320	TT	GG	1940309592
SNP_P1_79976_40851331	NC_021163.1	Ca_kabuli_chr04	40851331	CC	TT	1940309593
SNP_P1_79977_40851579	NC_021163.1	Ca_kabuli_chr04	40851579	AA	CC	1940309595
SNP_P1_79978_40851594	NC_021163.1	Ca_kabuli_chr04	40851594	AA	TT	1940309597
SNP_P1_79979_40852067	NC_021163.1	Ca_kabuli_chr04	40852067	CC	TT	1940309598
SNP_P1_79980_40852288	NC_021163.1	Ca_kabuli_chr04	40852288	GG	AA	1940309600
SNP_P1_79981_40852443	NC_021163.1	Ca_kabuli_chr04	40852443	AA	GG	1940309602
SNP_P1_79982_40852602	NC_021163.1	Ca_kabuli_chr04	40852602	TT	AA	1940309603
SNP_P1_79983_40852611	NC_021163.1	Ca_kabuli_chr04	40852611	CC	TT	1940309605
SNP_P1_79984_40852649	NC_021163.1	Ca_kabuli_chr04	40852649	TT	AA	1940309607
SNP_P1_79985_40852653	NC_021163.1	Ca_kabuli_chr04	40852653	GG	AA	1940309608
SNP_P1_79987_40853002	NC_021163.1	Ca_kabuli_chr04	40853002	GG	TT	1940309610
SNP_P1_79989_40854255	NC_021163.1	Ca_kabuli_chr04	40854255	AA	GG	1940309612
SNP_P1_79990_40854274	NC_021163.1	Ca_kabuli_chr04	40854274	GG	AA	1940309613
SNP_P1_79991_40879902	NC_021163.1	Ca_kabuli_chr04	40879902	AA	CC	1940309615
SNP_P1_79992_40879911	NC_021163.1	Ca_kabuli_chr04	40879911	TT	AA	1940309617
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SNP_P1_79995_40880068	NC_021163.1	Ca_kabuli_chr04	40880068	CC	TT	1940309622
SNP_P1_79996_40880073	NC_021163.1	Ca_kabuli_chr04	40880073	AA	TT	1940309623
SNP_P1_79997_40880138	NC_021163.1	Ca_kabuli_chr04	40880138	GG	AA	1940309625
SNP_P1_79998_40880246	NC_021163.1	Ca_kabuli_chr04	40880246	CC	GG	1940309627
SNP_P1_79999_40880256	NC_021163.1	Ca_kabuli_chr04	40880256	CC	AA	1940309628
SNP_P1_80001_40880313	NC_021163.1	Ca_kabuli_chr04	40880313	CC	TT	1940309630
SNP_P1_80002_40880333	NC_021163.1	Ca_kabuli_chr04	40880333	CC	GG	1940309632
SNP_P1_80003_40880380	NC_021163.1	Ca_kabuli_chr04	40880380	AA	GG	1940309633
SNP_P1_80005_40881037	NC_021163.1	Ca_kabuli_chr04	40881037	AA	GG	1940309635
SNP_P1_80007_40881337	NC_021163.1	Ca_kabuli_chr04	40881337	TT	AA	1940309637
SNP_P1_80008_40881338	NC_021163.1	Ca_kabuli_chr04	40881338	AA	TT	1940309638
SNP_P1_80009_40881402	NC_021163.1	Ca_kabuli_chr04	40881402	AA	TT	1940309640
SNP_P1_80011_40881532	NC_021163.1	Ca_kabuli_chr04	40881532	TT	AA	1940309642

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80013_40882674	NC_021163.1	Ca_kabuli_chr04	40882674	TT	CC	1940309645
SNP_P1_80015_40883420	NC_021163.1	Ca_kabuli_chr04	40883420	TT	AA	1940309647
SNP_P1_80016_40883423	NC_021163.1	Ca_kabuli_chr04	40883423	AA	GG	1940309648
SNP_P1_80017_40883688	NC_021163.1	Ca_kabuli_chr04	40883688	TT	CC	1940309650
SNP_P1_80018_40886827	NC_021163.1	Ca_kabuli_chr04	40886827	TT	CC	1940309652
SNP_P1_80021_40887385	NC_021163.1	Ca_kabuli_chr04	40887385	TT	GG	1940309654
SNP_P1_80023_40890654	NC_021163.1	Ca_kabuli_chr04	40890654	CC	GG	1940309655
SNP_P1_80024_40890934	NC_021163.1	Ca_kabuli_chr04	40890934	TT	GG	1940309657
SNP_P1_80025_40891290	NC_021163.1	Ca_kabuli_chr04	40891290	AA	CC	1940309659
SNP_P1_80026_40891320	NC_021163.1	Ca_kabuli_chr04	40891320	CC	TT	1940309660
SNP_P1_80027_40891503	NC_021163.1	Ca_kabuli_chr04	40891503	TT	AA	1940309662
SNP_P1_80028_40891531	NC_021163.1	Ca_kabuli_chr04	40891531	CC	TT	1940309664
SNP_P1_80030_40891595	NC_021163.1	Ca_kabuli_chr04	40891595	TT	CC	1940309665
SNP_P1_80033_40891724	NC_021163.1	Ca_kabuli_chr04	40891724	AA	TT	1940309667
SNP_P1_80034_40891862	NC_021163.1	Ca_kabuli_chr04	40891862	AA	CC	1940309669
SNP_P1_80035_40891925	NC_021163.1	Ca_kabuli_chr04	40891925	TT	GG	1940309670
SNP_P1_80036_40892542	NC_021163.1	Ca_kabuli_chr04	40892542	TT	AA	1940309672
SNP_P1_80037_40892582	NC_021163.1	Ca_kabuli_chr04	40892582	TT	AA	1940309673
SNP_P1_80038_40892896	NC_021163.1	Ca_kabuli_chr04	40892896	GG	AA	1940309675
SNP_P1_80040_40893185	NC_021163.1	Ca_kabuli_chr04	40893185	AA	TT	1940309677
SNP_P1_80043_40893422	NC_021163.1	Ca_kabuli_chr04	40893422	AA	GG	1940309678
SNP_P1_80044_40893467	NC_021163.1	Ca_kabuli_chr04	40893467	CC	AA	1940309680
SNP_P1_80045_40893469	NC_021163.1	Ca_kabuli_chr04	40893469	AA	CC	1940309682
SNP_P1_80046_40895755	NC_021163.1	Ca_kabuli_chr04	40895755	GG	AA	1940309683
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SNP_P1_80049_40896021	NC_021163.1	Ca_kabuli_chr04	40896021	AA	GG	1940309688
SNP_P1_80050_40896055	NC_021163.1	Ca_kabuli_chr04	40896055	TT	CC	1940309690
SNP_P1_80051_40896066	NC_021163.1	Ca_kabuli_chr04	40896066	AA	GG	1940309692
SNP_P1_80052_40896099	NC_021163.1	Ca_kabuli_chr04	40896099	TT	CC	1940309693
SNP_P1_80054_40896248	NC_021163.1	Ca_kabuli_chr04	40896248	CC	AA	1940309695
SNP_P1_80055_40896258	NC_021163.1	Ca_kabuli_chr04	40896258	GG	AA	1940309697
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SNP_P1_80058_40899064	NC_021163.1	Ca_kabuli_chr04	40899064	GG	TT	1940309700
SNP_P1_80059_40901165	NC_021163.1	Ca_kabuli_chr04	40901165	TT	AA	1940309702
SNP_P1_80060_40901181	NC_021163.1	Ca_kabuli_chr04	40901181	AA	TT	1940309703
SNP_P1_80063_40901527	NC_021163.1	Ca_kabuli_chr04	40901527	CC	TT	1940309705
SNP_P1_80065_40901590	NC_021163.1	Ca_kabuli_chr04	40901590	TT	CC	1940309707
SNP_P1_80066_40901591	NC_021163.1	Ca_kabuli_chr04	40901591	TT	AA	1940309708
SNP_P1_80068_40901839	NC_021163.1	Ca_kabuli_chr04	40901839	AA	CC	1940309710
SNP_P1_80069_40901917	NC_021163.1	Ca_kabuli_chr04	40901917	TT	AA	1940309712

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80071_40901952	NC_021163.1	Ca_kabuli_chr04	40901952	GG	TT	1940309715
SNP_P1_80073_40902021	NC_021163.1	Ca_kabuli_chr04	40902021	TT	CC	1940309717
SNP_P1_80074_40902035	NC_021163.1	Ca_kabuli_chr04	40902035	TT	CC	1940309718
SNP_P1_80075_40902038	NC_021163.1	Ca_kabuli_chr04	40902038	TT	CC	1940309720
SNP_P1_80076_40902066	NC_021163.1	Ca_kabuli_chr04	40902066	CC	TT	1940309722
SNP_P1_80077_40902068	NC_021163.1	Ca_kabuli_chr04	40902068	CC	AA	1940309723
SNP_P1_80078_40902081	NC_021163.1	Ca_kabuli_chr04	40902081	AA	TT	1940309725
SNP_P1_80079_40902971	NC_021163.1	Ca_kabuli_chr04	40902971	CC	TT	1940309727
SNP_P1_80080_40903295	NC_021163.1	Ca_kabuli_chr04	40903295	CC	TT	1940309729
SNP_P1_80081_40903296	NC_021163.1	Ca_kabuli_chr04	40903296	CC	TT	1940309730
SNP_P1_80083_40904341	NC_021163.1	Ca_kabuli_chr04	40904341	TT	AA	1940309732
SNP_P1_80084_40904367	NC_021163.1	Ca_kabuli_chr04	40904367	CC	AA	1940309734
SNP_P1_80086_40905640	NC_021163.1	Ca_kabuli_chr04	40905640	TT	AA	1940309735
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SNP_P1_80088_40905643	NC_021163.1	Ca_kabuli_chr04	40905643	TT	GG	1940309739
SNP_P1_80089_40906914	NC_021163.1	Ca_kabuli_chr04	40906914	AA	GG	1940309740
SNP_P1_80091_40907524	NC_021163.1	Ca_kabuli_chr04	40907524	TT	CC	1940309742
SNP_P1_80092_40907577	NC_021163.1	Ca_kabuli_chr04	40907577	TT	AA	1940309744
SNP_P1_80093_40908521	NC_021163.1	Ca_kabuli_chr04	40908521	CC	TT	1940309745
SNP_P1_80094_40909046	NC_021163.1	Ca_kabuli_chr04	40909046	GG	CC	1940309747
SNP_P1_80096_40911192	NC_021163.1	Ca_kabuli_chr04	40911192	GG	AA	1940309749
SNP_P1_80097_40911249	NC_021163.1	Ca_kabuli_chr04	40911249	TT	CC	1940309750
SNP_P1_80098_40911326	NC_021163.1	Ca_kabuli_chr04	40911326	GG	AA	1940309752
SNP_P1_80099_40911658	NC_021163.1	Ca_kabuli_chr04	40911658	TT	CC	1940309754
SNP_P1_80101_40913200	NC_021163.1	Ca_kabuli_chr04	40913200	GG	CC	1940309755
SNP_P1_80102_40914691	NC_021163.1	Ca_kabuli_chr04	40914691	CC	GG	1940309757
SNP_P1_80103_40916282	NC_021163.1	Ca_kabuli_chr04	40916282	AA	TT	1940309759
SNP_P1_80104_40917776	NC_021163.1	Ca_kabuli_chr04	40917776	CC	AA	1940309760
SNP_P1_80105_40917777	NC_021163.1	Ca_kabuli_chr04	40917777	TT	AA	1940309762
SNP_P1_80106_40917869	NC_021163.1	Ca_kabuli_chr04	40917869	GG	AA	1940309764
SNP_P1_80107_40918069	NC_021163.1	Ca_kabuli_chr04	40918069	CC	AA	1940309765
SNP_P1_80108_40919165	NC_021163.1	Ca_kabuli_chr04	40919165	AA	GG	1940309767
SNP_P1_80109_40919196	NC_021163.1	Ca_kabuli_chr04	40919196	TT	CC	1940309769
SNP_P1_80110_40919728	NC_021163.1	Ca_kabuli_chr04	40919728	AA	TT	1940309770
SNP_P1_80111_40921587	NC_021163.1	Ca_kabuli_chr04	40921587	AA	GG	1940309772
SNP_P1_80112_40921610	NC_021163.1	Ca_kabuli_chr04	40921610	CC	TT	1940309774
SNP_P1_80113_40921637	NC_021163.1	Ca_kabuli_chr04	40921637	CC	TT	1940309775
SNP_P1_80114_40921923	NC_021163.1	Ca_kabuli_chr04	40921923	AA	TT	1940309777
SNP_P1_80115_40921958	NC_021163.1	Ca_kabuli_chr04	40921958	AA	GG	1940309779
SNP_P1_80116_40921992	NC_021163.1	Ca_kabuli_chr04	40921992	CC	TT	1940309780
SNP_P1_80117_40922213	NC_021163.1	Ca_kabuli_chr04	40922213	AA	TT	1940309782

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80121_40926669	NC_021163.1	Ca_kabuli_chr04	40926669	GG	AA	1940309785
SNP_P1_80122_40926747	NC_021163.1	Ca_kabuli_chr04	40926747	TT	CC	1940309787
SNP_P1_80124_40927093	NC_021163.1	Ca_kabuli_chr04	40927093	GG	AA	1940309789
SNP_P1_80125_40927161	NC_021163.1	Ca_kabuli_chr04	40927161	TT	CC	1940309790
SNP_P1_80126_40927199	NC_021163.1	Ca_kabuli_chr04	40927199	AA	CC	1940309792
SNP_P1_80127_40927385	NC_021163.1	Ca_kabuli_chr04	40927385	GG	AA	1940309794
SNP_P1_80128_40927622	NC_021163.1	Ca_kabuli_chr04	40927622	AA	GG	1940309795
SNP_P1_80130_40927729	NC_021163.1	Ca_kabuli_chr04	40927729	CC	TT	1940309797
SNP_P1_80133_40929520	NC_021163.1	Ca_kabuli_chr04	40929520	AA	GG	1940309799
SNP_P1_80134_40929655	NC_021163.1	Ca_kabuli_chr04	40929655	CC	AA	1940309800
SNP_P1_80135_40929960	NC_021163.1	Ca_kabuli_chr04	40929960	GG	AA	1940309802
SNP_P1_80137_40930155	NC_021163.1	Ca_kabuli_chr04	40930155	CC	TT	1940309804
SNP_P1_80139_40930911	NC_021163.1	Ca_kabuli_chr04	40930911	GG	TT	1940309805
SNP_P1_80140_40931385	NC_021163.1	Ca_kabuli_chr04	40931385	TT	CC	1940309807
SNP_P1_80141_40931418	NC_021163.1	Ca_kabuli_chr04	40931418	CC	AA	1940309809
SNP_P1_80142_40931433	NC_021163.1	Ca_kabuli_chr04	40931433	AA	CC	1940309810
SNP_P1_80143_40931625	NC_021163.1	Ca_kabuli_chr04	40931625	GG	TT	1940309812
SNP_P1_80144_40931635	NC_021163.1	Ca_kabuli_chr04	40931635	GG	AA	1940309814
SNP_P1_80145_40931640	NC_021163.1	Ca_kabuli_chr04	40931640	AA	TT	1940309816
SNP_P1_80146_40931641	NC_021163.1	Ca_kabuli_chr04	40931641	CC	TT	1940309817
SNP_P1_80148_40931961	NC_021163.1	Ca_kabuli_chr04	40931961	AA	TT	1940309819
SNP_P1_80149_40933390	NC_021163.1	Ca_kabuli_chr04	40933390	AA	TT	1940309821
SNP_P1_80150_40933614	NC_021163.1	Ca_kabuli_chr04	40933614	AA	GG	1940309822
SNP_P1_80151_40934332	NC_021163.1	Ca_kabuli_chr04	40934332	GG	AA	1940309824
SNP_P1_80152_40934364	NC_021163.1	Ca_kabuli_chr04	40934364	AA	CC	1940309826
SNP_P1_80153_40934381	NC_021163.1	Ca_kabuli_chr04	40934381	CC	TT	1940309827
SNP_P1_80154_40934393	NC_021163.1	Ca_kabuli_chr04	40934393	GG	CC	1940309829
SNP_P1_80155_40934429	NC_021163.1	Ca_kabuli_chr04	40934429	TT	CC	1940309831
SNP_P1_80156_40934438	NC_021163.1	Ca_kabuli_chr04	40934438	CC	TT	1940309832
SNP_P1_80157_40934451	NC_021163.1	Ca_kabuli_chr04	40934451	AA	CC	1940309834
SNP_P1_80158_40934459	NC_021163.1	Ca_kabuli_chr04	40934459	CC	GG	1940309836
SNP_P1_80159_40934460	NC_021163.1	Ca_kabuli_chr04	40934460	TT	CC	1940309837
SNP_P1_80160_40934492	NC_021163.1	Ca_kabuli_chr04	40934492	TT	CC	1940309839
SNP_P1_80161_40934525	NC_021163.1	Ca_kabuli_chr04	40934525	AA	GG	1940309841
SNP_P1_80162_40934576	NC_021163.1	Ca_kabuli_chr04	40934576	CC	TT	1940309842
SNP_P1_80163_40934616	NC_021163.1	Ca_kabuli_chr04	40934616	AA	TT	1940309844
SNP_P1_80164_40934642	NC_021163.1	Ca_kabuli_chr04	40934642	AA	GG	1940309846
SNP_P1_80165_40934643	NC_021163.1	Ca_kabuli_chr04	40934643	TT	CC	1940309847
SNP_P1_80166_40934649	NC_021163.1	Ca_kabuli_chr04	40934649	CC	AA	1940309849
SNP_P1_80167_40934694	NC_021163.1	Ca_kabuli_chr04	40934694	CC	TT	1940309851
SNP_P1_80169_40934748	NC_021163.1	Ca_kabuli_chr04	40934748	CC	TT	1940309852

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80172_40934897	NC_021163.1	Ca_kabuli_chr04	40934897	GG	TT	1940309855
SNP_P1_80173_40935297	NC_021163.1	Ca_kabuli_chr04	40935297	GG	AA	1940309857
SNP_P1_80174_40935323	NC_021163.1	Ca_kabuli_chr04	40935323	AA	GG	1940309858
SNP_P1_80175_40935330	NC_021163.1	Ca_kabuli_chr04	40935330	GG	AA	1940309860
SNP_P1_80176_40935386	NC_021163.1	Ca_kabuli_chr04	40935386	CC	TT	1940309862
SNP_P1_80177_40935515	NC_021163.1	Ca_kabuli_chr04	40935515	CC	GG	1940309864
SNP_P1_80178_40935519	NC_021163.1	Ca_kabuli_chr04	40935519	CC	TT	1940309865
SNP_P1_80179_40935582	NC_021163.1	Ca_kabuli_chr04	40935582	GG	AA	1940309867
SNP_P1_80180_40935607	NC_021163.1	Ca_kabuli_chr04	40935607	CC	TT	1940309869
SNP_P1_80181_40935617	NC_021163.1	Ca_kabuli_chr04	40935617	CC	GG	1940309870
SNP_P1_80182_40935877	NC_021163.1	Ca_kabuli_chr04	40935877	CC	TT	1940309872
SNP_P1_80184_40936667	NC_021163.1	Ca_kabuli_chr04	40936667	GG	AA	1940309874
SNP_P1_80186_40937520	NC_021163.1	Ca_kabuli_chr04	40937520	TT	AA	1940309875
SNP_P1_80187_40937526	NC_021163.1	Ca_kabuli_chr04	40937526	CC	TT	1940309877
SNP_P1_80188_40937527	NC_021163.1	Ca_kabuli_chr04	40937527	GG	AA	1940309879
SNP_P1_80189_40938705	NC_021163.1	Ca_kabuli_chr04	40938705	TT	CC	1940309881
SNP_P1_80190_40938719	NC_021163.1	Ca_kabuli_chr04	40938719	TT	GG	1940309882
SNP_P1_80191_40938721	NC_021163.1	Ca_kabuli_chr04	40938721	CC	TT	1940309884
SNP_P1_80192_40938992	NC_021163.1	Ca_kabuli_chr04	40938992	CC	AA	1940309886
SNP_P1_80193_40939018	NC_021163.1	Ca_kabuli_chr04	40939018	GG	AA	1940309887
SNP_P1_80194_40939087	NC_021163.1	Ca_kabuli_chr04	40939087	CC	TT	1940309889
SNP_P1_80195_40940040	NC_021163.1	Ca_kabuli_chr04	40940040	AA	CC	1940309890
SNP_P1_80196_40940106	NC_021163.1	Ca_kabuli_chr04	40940106	AA	GG	1940309892
SNP_P1_80197_40940338	NC_021163.1	Ca_kabuli_chr04	40940338	AA	TT	1940309894
SNP_P1_80198_40944502	NC_021163.1	Ca_kabuli_chr04	40944502	GG	AA	1940309895
SNP_P1_80199_40944528	NC_021163.1	Ca_kabuli_chr04	40944528	CC	AA	1940309897
SNP_P1_80200_40944530	NC_021163.1	Ca_kabuli_chr04	40944530	GG	AA	1940309899
SNP_P1_80201_40944535	NC_021163.1	Ca_kabuli_chr04	40944535	GG	AA	1940309900
SNP_P1_80203_40948479	NC_021163.1	Ca_kabuli_chr04	40948479	GG	AA	1940309902
SNP_P1_80206_40949111	NC_021163.1	Ca_kabuli_chr04	40949111	AA	TT	1940309903
SNP_P1_80208_40949761	NC_021163.1	Ca_kabuli_chr04	40949761	GG	AA	1940309905
SNP_P1_80209_40950320	NC_021163.1	Ca_kabuli_chr04	40950320	GG	TT	1940309907
SNP_P1_80210_40950452	NC_021163.1	Ca_kabuli_chr04	40950452	GG	AA	1940309908
SNP_P1_80212_40950555	NC_021163.1	Ca_kabuli_chr04	40950555	TT	CC	1940309910
SNP_P1_80213_40950560	NC_021163.1	Ca_kabuli_chr04	40950560	TT	AA	1940309912
SNP_P1_80214_40950580	NC_021163.1	Ca_kabuli_chr04	40950580	AA	TT	1940309913
SNP_P1_80215_40950637	NC_021163.1	Ca_kabuli_chr04	40950637	TT	AA	1940309915
SNP_P1_80218_40954163	NC_021163.1	Ca_kabuli_chr04	40954163	GG	AA	1940309917
SNP_P1_80219_40955303	NC_021163.1	Ca_kabuli_chr04	40955303	CC	TT	1940309918
SNP_P1_80220_40955348	NC_021163.1	Ca_kabuli_chr04	40955348	CC	TT	1940309920
SNP_P1_80221_40955379	NC_021163.1	Ca_kabuli_chr04	40955379	AA	CC	1940309922

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80224_40955903	NC_021163.1	Ca_kabuli_chr04	40955903	GG	TT	1940309927
SNP_P1_80225_40955956	NC_021163.1	Ca_kabuli_chr04	40955956	GG	AA	1940309928
SNP_P1_80226_40956033	NC_021163.1	Ca_kabuli_chr04	40956033	AA	GG	1940309930
SNP_P1_80227_40956252	NC_021163.1	Ca_kabuli_chr04	40956252	GG	CC	1940309932
SNP_P1_80228_40956253	NC_021163.1	Ca_kabuli_chr04	40956253	CC	TT	1940309933
SNP_P1_80230_40957349	NC_021163.1	Ca_kabuli_chr04	40957349	GG	TT	1940309935
SNP_P1_80231_40957371	NC_021163.1	Ca_kabuli_chr04	40957371	AA	TT	1940309937
SNP_P1_80232_40957394	NC_021163.1	Ca_kabuli_chr04	40957394	CC	TT	1940309939
SNP_P1_80233_40957407	NC_021163.1	Ca_kabuli_chr04	40957407	TT	AA	1940309940
SNP_P1_80234_40957409	NC_021163.1	Ca_kabuli_chr04	40957409	CC	TT	1940309942
SNP_P1_80235_40957412	NC_021163.1	Ca_kabuli_chr04	40957412	GG	AA	1940309944
SNP_P1_80236_40957565	NC_021163.1	Ca_kabuli_chr04	40957565	GG	TT	1940309945
SNP_P1_80237_40957583	NC_021163.1	Ca_kabuli_chr04	40957583	GG	AA	1940309947
SNP_P1_80239_40959042	NC_021163.1	Ca_kabuli_chr04	40959042	TT	CC	1940309949
SNP_P1_80240_40959080	NC_021163.1	Ca_kabuli_chr04	40959080	TT	GG	1940309950
SNP_P1_80241_40959087	NC_021163.1	Ca_kabuli_chr04	40959087	AA	CC	1940309952
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SNP_P1_80243_40960915	NC_021163.1	Ca_kabuli_chr04	40960915	CC	AA	1940309955
SNP_P1_80244_40961617	NC_021163.1	Ca_kabuli_chr04	40961617	AA	TT	1940309957
SNP_P1_80245_40961676	NC_021163.1	Ca_kabuli_chr04	40961676	GG	AA	1940309959
SNP_P1_80246_40961684	NC_021163.1	Ca_kabuli_chr04	40961684	AA	GG	1940309960
SNP_P1_80247_40961709	NC_021163.1	Ca_kabuli_chr04	40961709	AA	GG	1940309962
SNP_P1_80248_40961903	NC_021163.1	Ca_kabuli_chr04	40961903	CC	AA	1940309964
SNP_P1_80249_40963211	NC_021163.1	Ca_kabuli_chr04	40963211	GG	TT	1940309965
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SNP_P1_80251_40964887	NC_021163.1	Ca_kabuli_chr04	40964887	AA	GG	1940309969
SNP_P1_80252_40965198	NC_021163.1	Ca_kabuli_chr04	40965198	GG	AA	1940309970
SNP_P1_80253_40966046	NC_021163.1	Ca_kabuli_chr04	40966046	TT	AA	1940309972
SNP_P1_80255_40966368	NC_021163.1	Ca_kabuli_chr04	40966368	CC	TT	1940309974
SNP_P1_80256_40966419	NC_021163.1	Ca_kabuli_chr04	40966419	CC	GG	1940309975
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SNP_P1_80258_40966879	NC_021163.1	Ca_kabuli_chr04	40966879	GG	AA	1940309979
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SNP_P1_80260_40967299	NC_021163.1	Ca_kabuli_chr04	40967299	AA	TT	1940309982
SNP_P1_80262_40967715	NC_021163.1	Ca_kabuli_chr04	40967715	GG	AA	1940309984
SNP_P1_80263_40968003	NC_021163.1	Ca_kabuli_chr04	40968003	AA	GG	1940309985
SNP_P1_80264_40968230	NC_021163.1	Ca_kabuli_chr04	40968230	CC	TT	1940309987
SNP_P1_80265_40968426	NC_021163.1	Ca_kabuli_chr04	40968426	GG	TT	1940309989
SNP_P1_80266_40968600	NC_021163.1	Ca_kabuli_chr04	40968600	CC	TT	1940309990
SNP_P1_80267_40968705	NC_021163.1	Ca_kabuli_chr04	40968705	GG	AA	1940309992

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80271_40969273	NC_021163.1	Ca_kabuli_chr04	40969273	TT	CC	1940309997
SNP_P1_80272_40969350	NC_021163.1	Ca_kabuli_chr04	40969350	TT	GG	1940309999
SNP_P1_80273_40969362	NC_021163.1	Ca_kabuli_chr04	40969362	CC	TT	1940310000
SNP_P1_80274_40969383	NC_021163.1	Ca_kabuli_chr04	40969383	AA	CC	1940310002
SNP_P1_80275_40969579	NC_021163.1	Ca_kabuli_chr04	40969579	AA	GG	1940310004
SNP_P1_80276_40969618	NC_021163.1	Ca_kabuli_chr04	40969618	GG	AA	1940310005
SNP_P1_80277_40969626	NC_021163.1	Ca_kabuli_chr04	40969626	CC	TT	1940310007
SNP_P1_80278_40969632	NC_021163.1	Ca_kabuli_chr04	40969632	TT	CC	1940310009
SNP_P1_80280_40971132	NC_021163.1	Ca_kabuli_chr04	40971132	CC	AA	1940310010
SNP_P1_80281_40971403	NC_021163.1	Ca_kabuli_chr04	40971403	GG	TT	1940310012
SNP_P1_80282_40972028	NC_021163.1	Ca_kabuli_chr04	40972028	CC	TT	1940310014
SNP_P1_80283_40972058	NC_021163.1	Ca_kabuli_chr04	40972058	TT	AA	1940310015
SNP_P1_80284_40972077	NC_021163.1	Ca_kabuli_chr04	40972077	AA	GG	1940310017
SNP_P1_80285_40972093	NC_021163.1	Ca_kabuli_chr04	40972093	AA	CC	1940310019
SNP_P1_80286_40972115	NC_021163.1	Ca_kabuli_chr04	40972115	TT	CC	1940310020
SNP_P1_80287_40972157	NC_021163.1	Ca_kabuli_chr04	40972157	AA	GG	1940310022
SNP_P1_80288_40972296	NC_021163.1	Ca_kabuli_chr04	40972296	GG	AA	1940310024
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SNP_P1_80291_40974198	NC_021163.1	Ca_kabuli_chr04	40974198	TT	CC	1940310029
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SNP_P1_80298_40976654	NC_021163.1	Ca_kabuli_chr04	40976654	AA	GG	1940310040
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SNP_P1_80300_40977295	NC_021163.1	Ca_kabuli_chr04	40977295	CC	TT	1940310044
SNP_P1_80301_40978300	NC_021163.1	Ca_kabuli_chr04	40978300	CC	AA	1940310045
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SNP_P1_80303_40978372	NC_021163.1	Ca_kabuli_chr04	40978372	AA	CC	1940310049
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SNP_P1_80307_40982191	NC_021163.1	Ca_kabuli_chr04	40982191	CC	TT	1940310054
SNP_P1_80308_40982217	NC_021163.1	Ca_kabuli_chr04	40982217	AA	GG	1940310055
SNP_P1_80309_40982228	NC_021163.1	Ca_kabuli_chr04	40982228	AA	GG	1940310057
SNP_P1_80310_40982233	NC_021163.1	Ca_kabuli_chr04	40982233	CC	TT	1940310059
SNP_P1_80311_40982236	NC_021163.1	Ca_kabuli_chr04	40982236	TT	CC	1940310060
SNP_P1_80312_40982388	NC_021163.1	Ca_kabuli_chr04	40982388	TT	GG	1940310062

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80315_40982478	NC_021163.1	Ca_kabuli_chr04	40982478	CC	TT	1940310067
SNP_P1_80316_40982658	NC_021163.1	Ca_kabuli_chr04	40982658	TT	CC	1940310069
SNP_P1_80317_40982957	NC_021163.1	Ca_kabuli_chr04	40982957	GG	AA	1940310070
SNP_P1_80318_40983855	NC_021163.1	Ca_kabuli_chr04	40983855	AA	GG	1940310072
SNP_P1_80319_40983856	NC_021163.1	Ca_kabuli_chr04	40983856	CC	TT	1940310074
SNP_P1_80320_40983882	NC_021163.1	Ca_kabuli_chr04	40983882	AA	GG	1940310076
SNP_P1_80321_40984132	NC_021163.1	Ca_kabuli_chr04	40984132	AA	CC	1940310077
SNP_P1_80322_40984550	NC_021163.1	Ca_kabuli_chr04	40984550	AA	TT	1940310079
SNP_P1_80323_40984571	NC_021163.1	Ca_kabuli_chr04	40984571	GG	AA	1940310081
SNP_P1_80324_40988747	NC_021163.1	Ca_kabuli_chr04	40988747	TT	GG	1940310082
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SNP_P1_80326_40989292	NC_021163.1	Ca_kabuli_chr04	40989292	CC	TT	1940310086
SNP_P1_80327_40990470	NC_021163.1	Ca_kabuli_chr04	40990470	GG	AA	1940310087
SNP_P1_80328_40990480	NC_021163.1	Ca_kabuli_chr04	40990480	TT	GG	1940310089
SNP_P1_80329_40994027	NC_021163.1	Ca_kabuli_chr04	40994027	AA	GG	1940310091
SNP_P1_80330_40994394	NC_021163.1	Ca_kabuli_chr04	40994394	GG	CC	1940310092
SNP_P1_80331_40994592	NC_021163.1	Ca_kabuli_chr04	40994592	AA	GG	1940310094
SNP_P1_80332_40994651	NC_021163.1	Ca_kabuli_chr04	40994651	GG	TT	1940310096
SNP_P1_80333_40994876	NC_021163.1	Ca_kabuli_chr04	40994876	TT	CC	1940310097
SNP_P1_80334_40995867	NC_021163.1	Ca_kabuli_chr04	40995867	TT	CC	1940310099
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SNP_P1_80339_40996645	NC_021163.1	Ca_kabuli_chr04	40996645	TT	AA	1940310104
SNP_P1_80340_40996709	NC_021163.1	Ca_kabuli_chr04	40996709	CC	TT	1940310106
SNP_P1_80341_40996911	NC_021163.1	Ca_kabuli_chr04	40996911	AA	GG	1940310107
SNP_P1_80342_40996966	NC_021163.1	Ca_kabuli_chr04	40996966	GG	AA	1940310109
SNP_P1_80344_40997128	NC_021163.1	Ca_kabuli_chr04	40997128	CC	AA	1940310111
SNP_P1_80345_40997149	NC_021163.1	Ca_kabuli_chr04	40997149	TT	GG	1940310112
SNP_P1_80346_40997976	NC_021163.1	Ca_kabuli_chr04	40997976	CC	GG	1940310114
SNP_P1_80347_40998015	NC_021163.1	Ca_kabuli_chr04	40998015	TT	AA	1940310116
SNP_P1_80351_40998464	NC_021163.1	Ca_kabuli_chr04	40998464	GG	AA	1940310117
SNP_P1_80352_40998486	NC_021163.1	Ca_kabuli_chr04	40998486	AA	CC	1940310119
SNP_P1_80354_40998920	NC_021163.1	Ca_kabuli_chr04	40998920	TT	CC	1940310121
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SNP_P1_80359_41000546	NC_021163.1	Ca_kabuli_chr04	41000546	AA	GG	1940310127
SNP_P1_80361_41000953	NC_021163.1	Ca_kabuli_chr04	41000953	TT	CC	1940310129
SNP_P1_80363_41002243	NC_021163.1	Ca_kabuli_chr04	41002243	GG	AA	1940310131
SNP_P1_80364_41002253	NC_021163.1	Ca_kabuli_chr04	41002253	CC	GG	1940310132

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80367_41004171	NC_021163.1	Ca_kabuli_chr04	41004171	TT	AA	1940310136
SNP_P1_80368_41004179	NC_021163.1	Ca_kabuli_chr04	41004179	AA	GG	1940310137
SNP_P1_80369_41004183	NC_021163.1	Ca_kabuli_chr04	41004183	CC	TT	1940310139
SNP_P1_80370_41004230	NC_021163.1	Ca_kabuli_chr04	41004230	GG	AA	1940310141
SNP_P1_80371_41004504	NC_021163.1	Ca_kabuli_chr04	41004504	CC	TT	1940310142
SNP_P1_80372_41004507	NC_021163.1	Ca_kabuli_chr04	41004507	AA	CC	1940310144
SNP_P1_80373_41004515	NC_021163.1	Ca_kabuli_chr04	41004515	GG	AA	1940310146
SNP_P1_80374_41004516	NC_021163.1	Ca_kabuli_chr04	41004516	GG	AA	1940310147
SNP_P1_80375_41004517	NC_021163.1	Ca_kabuli_chr04	41004517	TT	CC	1940310149
SNP_P1_80376_41004523	NC_021163.1	Ca_kabuli_chr04	41004523	TT	CC	1940310151
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SNP_P1_80378_41004619	NC_021163.1	Ca_kabuli_chr04	41004619	GG	AA	1940310154
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SNP_P1_80380_41006773	NC_021163.1	Ca_kabuli_chr04	41006773	CC	TT	1940310157
SNP_P1_80381_41006781	NC_021163.1	Ca_kabuli_chr04	41006781	TT	AA	1940310159
SNP_P1_80382_41007026	NC_021163.1	Ca_kabuli_chr04	41007026	AA	GG	1940310161
SNP_P1_80383_41007040	NC_021163.1	Ca_kabuli_chr04	41007040	AA	GG	1940310162
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SNP_P1_80386_41007074	NC_021163.1	Ca_kabuli_chr04	41007074	GG	AA	1940310167
SNP_P1_80387_41007080	NC_021163.1	Ca_kabuli_chr04	41007080	GG	CC	1940310169
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SNP_P1_80389_41007146	NC_021163.1	Ca_kabuli_chr04	41007146	CC	AA	1940310173
SNP_P1_80391_41007542	NC_021163.1	Ca_kabuli_chr04	41007542	AA	GG	1940310174
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SNP_P1_80404_41013352	NC_021163.1	Ca_kabuli_chr04	41013352	TT	GG	1940310186
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SNP_P1_80412_41015747	NC_021163.1	Ca_kabuli_chr04	41015747	AA	GG	1940310198
SNP_P1_80413_41015776	NC_021163.1	Ca_kabuli_chr04	41015776	CC	TT	1940310199
SNP_P1_80414_41015876	NC_021163.1	Ca_kabuli_chr04	41015876	AA	GG	1940310201
SNP_P1_80415_41015878	NC_021163.1	Ca_kabuli_chr04	41015878	CC	TT	1940310203

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80418_41016099	NC_021163.1	Ca_kabuli_chr04	41016099	TT	AA	1940310208
SNP_P1_80419_41016114	NC_021163.1	Ca_kabuli_chr04	41016114	TT	CC	1940310209
SNP_P1_80420_41016173	NC_021163.1	Ca_kabuli_chr04	41016173	AA	TT	1940310211
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SNP_P1_80422_41016265	NC_021163.1	Ca_kabuli_chr04	41016265	AA	TT	1940310214
SNP_P1_80424_41016412	NC_021163.1	Ca_kabuli_chr04	41016412	GG	CC	1940310216
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SNP_P1_80426_41016611	NC_021163.1	Ca_kabuli_chr04	41016611	AA	CC	1940310219
SNP_P1_80427_41016744	NC_021163.1	Ca_kabuli_chr04	41016744	AA	CC	1940310221
SNP_P1_80428_41027534	NC_021163.1	Ca_kabuli_chr04	41027534	TT	CC	1940310223
SNP_P1_80430_41029723	NC_021163.1	Ca_kabuli_chr04	41029723	AA	GG	1940310224
SNP_P1_80432_41055717	NC_021163.1	Ca_kabuli_chr04	41055717	CC	TT	1940310226
SNP_P1_80433_41088528	NC_021163.1	Ca_kabuli_chr04	41088528	GG	AA	1940310228
SNP_P1_80434_41089519	NC_021163.1	Ca_kabuli_chr04	41089519	CC	GG	1940310229
SNP_P1_80435_41124768	NC_021163.1	Ca_kabuli_chr04	41124768	TT	AA	1940310231
SNP_P1_80436_41125992	NC_021163.1	Ca_kabuli_chr04	41125992	AA	GG	1940310233
SNP_P1_80437_41126152	NC_021163.1	Ca_kabuli_chr04	41126152	AA	TT	1940310234
SNP_P1_80438_41131031	NC_021163.1	Ca_kabuli_chr04	41131031	TT	AA	1940310236
SNP_P1_80439_41151343	NC_021163.1	Ca_kabuli_chr04	41151343	TT	AA	1940310238
SNP_P1_80440_41158060	NC_021163.1	Ca_kabuli_chr04	41158060	TT	CC	1940310239
SNP_P1_80441_41158412	NC_021163.1	Ca_kabuli_chr04	41158412	AA	GG	1940310241
SNP_P1_80443_41161022	NC_021163.1	Ca_kabuli_chr04	41161022	CC	TT	1940310243
SNP_P1_80445_41167358	NC_021163.1	Ca_kabuli_chr04	41167358	TT	CC	1940310244
SNP_P1_80446_41172737	NC_021163.1	Ca_kabuli_chr04	41172737	AA	GG	1940310246
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SNP_P1_80450_41195191	NC_021163.1	Ca_kabuli_chr04	41195191	TT	GG	1940310251
SNP_P1_80452_41245162	NC_021163.1	Ca_kabuli_chr04	41245162	AA	GG	1940310253
SNP_P1_80453_41245174	NC_021163.1	Ca_kabuli_chr04	41245174	CC	AA	1940310255
SNP_P1_80454_41246812	NC_021163.1	Ca_kabuli_chr04	41246812	AA	CC	1940310256
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SNP_P1_80459_41273218	NC_021163.1	Ca_kabuli_chr04	41273218	TT	CC	1940310260
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SNP_P1_80462_41306037	NC_021163.1	Ca_kabuli_chr04	41306037	GG	AA	1940310263
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SNP_P1_80467_41367764	NC_021163.1	Ca_kabuli_chr04	41367764	AA	GG	1940310266
SNP_P1_80470_41387185	NC_021163.1	Ca_kabuli_chr04	41387185	CC	TT	1940310268
SNP_P1_80471_41402099	NC_021163.1	Ca_kabuli_chr04	41402099	AA	GG	1940310270
SNP_P1_80472_41408457	NC_021163.1	Ca_kabuli_chr04	41408457	AA	GG	1940310271
SNP_P1_80473_41410159	NC_021163.1	Ca_kabuli_chr04	41410159	CC	TT	1940310273

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80478_41486328	NC_021163.1	Ca_kabuli_chr04	41486328	AA	CC	1940310278
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SNP_P1_80480_41520344	NC_021163.1	Ca_kabuli_chr04	41520344	GG	AA	1940310281
SNP_P1_80481_41520345	NC_021163.1	Ca_kabuli_chr04	41520345	AA	TT	1940310283
SNP_P1_80482_41531369	NC_021163.1	Ca_kabuli_chr04	41531369	AA	GG	1940310285
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SNP_P1_80485_41578384	NC_021163.1	Ca_kabuli_chr04	41578384	GG	AA	1940310290
SNP_P1_80486_41604541	NC_021163.1	Ca_kabuli_chr04	41604541	GG	CC	1940310291
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SNP_P1_80489_41646106	NC_021163.1	Ca_kabuli_chr04	41646106	AA	GG	1940310296
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SNP_P1_80492_41696034	NC_021163.1	Ca_kabuli_chr04	41696034	AA	GG	1940310301
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SNP_P1_80499_41786255	NC_021163.1	Ca_kabuli_chr04	41786255	AA	GG	1940310306
SNP_P1_80501_41795445	NC_021163.1	Ca_kabuli_chr04	41795445	AA	TT	1940310308
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SNP_P1_80512_41809309	NC_021163.1	Ca_kabuli_chr04	41809309	CC	AA	1940310321
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SNP_P1_80522_41823453	NC_021163.1	Ca_kabuli_chr04	41823453	CC	TT	1940310331
SNP_P1_80525_41823764	NC_021163.1	Ca_kabuli_chr04	41823764	CC	TT	1940310333
SNP_P1_80526_41823858	NC_021163.1	Ca_kabuli_chr04	41823858	AA	CC	1940310335
SNP_P1_80527_41823954	NC_021163.1	Ca_kabuli_chr04	41823954	GG	AA	1940310336
SNP_P1_80529_41824003	NC_021163.1	Ca_kabuli_chr04	41824003	TT	CC	1940310338
SNP_P1_80530_41824308	NC_021163.1	Ca_kabuli_chr04	41824308	TT	CC	1940310340
SNP_P1_80531_41824433	NC_021163.1	Ca_kabuli_chr04	41824433	TT	CC	1940310341
SNP_P1_80533_41824562	NC_021163.1	Ca_kabuli_chr04	41824562	GG	AA	1940310343

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80536_41825939	NC_021163.1	Ca_kabuli_chr04	41825939	AA	GG	1940310348
SNP_P1_80537_41826974	NC_021163.1	Ca_kabuli_chr04	41826974	CC	AA	1940310350
SNP_P1_80538_41826980	NC_021163.1	Ca_kabuli_chr04	41826980	TT	GG	1940310351
SNP_P1_80541_41827435	NC_021163.1	Ca_kabuli_chr04	41827435	CC	TT	1940310353
SNP_P1_80542_41828022	NC_021163.1	Ca_kabuli_chr04	41828022	TT	CC	1940310355
SNP_P1_80543_41828763	NC_021163.1	Ca_kabuli_chr04	41828763	GG	TT	1940310356
SNP_P1_80544_41829938	NC_021163.1	Ca_kabuli_chr04	41829938	TT	CC	1940310358
SNP_P1_80545_41830202	NC_021163.1	Ca_kabuli_chr04	41830202	TT	CC	1940310360
SNP_P1_80546_41830207	NC_021163.1	Ca_kabuli_chr04	41830207	CC	GG	1940310361
SNP_P1_80547_41831808	NC_021163.1	Ca_kabuli_chr04	41831808	AA	GG	1940310363
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SNP_P1_80558_41905041	NC_021163.1	Ca_kabuli_chr04	41905041	GG	CC	1940310378
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SNP_P1_80562_41925475	NC_021163.1	Ca_kabuli_chr04	41925475	CC	TT	1940310383
SNP_P1_80563_41930750	NC_021163.1	Ca_kabuli_chr04	41930750	CC	TT	1940310385
SNP_P1_80564_41942709	NC_021163.1	Ca_kabuli_chr04	41942709	CC	AA	1940310387
SNP_P1_80566_41973904	NC_021163.1	Ca_kabuli_chr04	41973904	AA	TT	1940310388
SNP_P1_80567_41982777	NC_021163.1	Ca_kabuli_chr04	41982777	TT	GG	1940310390
SNP_P1_80568_41982823	NC_021163.1	Ca_kabuli_chr04	41982823	TT	CC	1940310392
SNP_P1_80569_41983242	NC_021163.1	Ca_kabuli_chr04	41983242	AA	GG	1940310393
SNP_P1_80570_41983293	NC_021163.1	Ca_kabuli_chr04	41983293	GG	AA	1940310395
SNP_P1_80573_42013033	NC_021163.1	Ca_kabuli_chr04	42013033	TT	GG	1940310397
SNP_P1_80574_42013044	NC_021163.1	Ca_kabuli_chr04	42013044	CC	GG	1940310398
SNP_P1_80575_42013050	NC_021163.1	Ca_kabuli_chr04	42013050	AA	TT	1940310400
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SNP_P1_80577_42034865	NC_021163.1	Ca_kabuli_chr04	42034865	TT	AA	1940310403
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SNP_P1_80579_42034875	NC_021163.1	Ca_kabuli_chr04	42034875	AA	TT	1940310407
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SNP_P1_80581_42035073	NC_021163.1	Ca_kabuli_chr04	42035073	TT	GG	1940310410
SNP_P1_80582_42039236	NC_021163.1	Ca_kabuli_chr04	42039236	AA	TT	1940310412
SNP_P1_80584_42070129	NC_021163.1	Ca_kabuli_chr04	42070129	GG	TT	1940310413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80588_42078844	NC_021163.1	Ca_kabuli_chr04	42078844	CC	TT	1940310418
SNP_P1_80589_42078865	NC_021163.1	Ca_kabuli_chr04	42078865	AA	TT	1940310420
SNP_P1_80590_42078964	NC_021163.1	Ca_kabuli_chr04	42078964	AA	GG	1940310422
SNP_P1_80591_42081154	NC_021163.1	Ca_kabuli_chr04	42081154	TT	CC	1940310423
SNP_P1_80592_42081537	NC_021163.1	Ca_kabuli_chr04	42081537	TT	CC	1940310425
SNP_P1_80594_42083393	NC_021163.1	Ca_kabuli_chr04	42083393	AA	TT	1940310427
SNP_P1_80595_42083487	NC_021163.1	Ca_kabuli_chr04	42083487	TT	AA	1940310428
SNP_P1_80596_42083506	NC_021163.1	Ca_kabuli_chr04	42083506	AA	GG	1940310430
SNP_P1_80597_42083557	NC_021163.1	Ca_kabuli_chr04	42083557	CC	GG	1940310432
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SNP_P1_80599_42083560	NC_021163.1	Ca_kabuli_chr04	42083560	CC	AA	1940310435
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SNP_P1_80602_42083792	NC_021163.1	Ca_kabuli_chr04	42083792	GG	AA	1940310440
SNP_P1_80603_42083840	NC_021163.1	Ca_kabuli_chr04	42083840	GG	AA	1940310442
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SNP_P1_80611_42119024	NC_021163.1	Ca_kabuli_chr04	42119024	CC	TT	1940310452
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SNP_P1_80616_42119194	NC_021163.1	Ca_kabuli_chr04	42119194	TT	CC	1940310460
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SNP_P1_80619_42119269	NC_021163.1	Ca_kabuli_chr04	42119269	CC	TT	1940310465
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SNP_P1_80622_42119513	NC_021163.1	Ca_kabuli_chr04	42119513	TT	GG	1940310470
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SNP_P1_80626_42119716	NC_021163.1	Ca_kabuli_chr04	42119716	GG	AA	1940310477
SNP_P1_80627_42119757	NC_021163.1	Ca_kabuli_chr04	42119757	GG	AA	1940310479
SNP_P1_80628_42119851	NC_021163.1	Ca_kabuli_chr04	42119851	AA	TT	1940310480
SNP_P1_80629_42119889	NC_021163.1	Ca_kabuli_chr04	42119889	AA	CC	1940310482
SNP_P1_80630_42119901	NC_021163.1	Ca_kabuli_chr04	42119901	GG	AA	1940310484

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80635_42120201	NC_021163.1	Ca_kabuli_chr04	42120201	GG	CC	1940310492
SNP_P1_80636_42120202	NC_021163.1	Ca_kabuli_chr04	42120202	GG	TT	1940310494
SNP_P1_80637_42120203	NC_021163.1	Ca_kabuli_chr04	42120203	AA	GG	1940310495
SNP_P1_80638_42120236	NC_021163.1	Ca_kabuli_chr04	42120236	TT	CC	1940310497
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SNP_P1_80643_42120323	NC_021163.1	Ca_kabuli_chr04	42120323	AA	GG	1940310505
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SNP_P1_80647_42120452	NC_021163.1	Ca_kabuli_chr04	42120452	TT	CC	1940310510
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SNP_P1_80652_42120711	NC_021163.1	Ca_kabuli_chr04	42120711	AA	GG	1940310517
SNP_P1_80653_42121413	NC_021163.1	Ca_kabuli_chr04	42121413	CC	TT	1940310519
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SNP_P1_80655_42147955	NC_021163.1	Ca_kabuli_chr04	42147955	TT	AA	1940310522
SNP_P1_80656_42147961	NC_021163.1	Ca_kabuli_chr04	42147961	TT	CC	1940310524
SNP_P1_80657_42148089	NC_021163.1	Ca_kabuli_chr04	42148089	AA	TT	1940310525
SNP_P1_80658_42148102	NC_021163.1	Ca_kabuli_chr04	42148102	AA	GG	1940310527
SNP_P1_80659_42148118	NC_021163.1	Ca_kabuli_chr04	42148118	AA	GG	1940310529
SNP_P1_80660_42148119	NC_021163.1	Ca_kabuli_chr04	42148119	TT	CC	1940310530
SNP_P1_80661_42148121	NC_021163.1	Ca_kabuli_chr04	42148121	TT	GG	1940310532
SNP_P1_80662_42148122	NC_021163.1	Ca_kabuli_chr04	42148122	TT	AA	1940310534
SNP_P1_80663_42148228	NC_021163.1	Ca_kabuli_chr04	42148228	GG	AA	1940310535
SNP_P1_80664_42148229	NC_021163.1	Ca_kabuli_chr04	42148229	TT	CC	1940310537
SNP_P1_80665_42148231	NC_021163.1	Ca_kabuli_chr04	42148231	GG	TT	1940310539
SNP_P1_80666_42158174	NC_021163.1	Ca_kabuli_chr04	42158174	GG	AA	1940310540
SNP_P1_80667_42181561	NC_021163.1	Ca_kabuli_chr04	42181561	GG	AA	1940310542
SNP_P1_80668_42196134	NC_021163.1	Ca_kabuli_chr04	42196134	TT	AA	1940310544
SNP_P1_80669_42223959	NC_021163.1	Ca_kabuli_chr04	42223959	CC	AA	1940310545
SNP_P1_80670_42243738	NC_021163.1	Ca_kabuli_chr04	42243738	GG	AA	1940310547
SNP_P1_80671_42254221	NC_021163.1	Ca_kabuli_chr04	42254221	GG	TT	1940310549
SNP_P1_80672_42254228	NC_021163.1	Ca_kabuli_chr04	42254228	GG	TT	1940310550
SNP_P1_80673_42254231	NC_021163.1	Ca_kabuli_chr04	42254231	AA	TT	1940310552
SNP_P1_80674_42259780	NC_021163.1	Ca_kabuli_chr04	42259780	TT	GG	1940310554

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80677_42259808	NC_021163.1	Ca_kabuli_chr04	42259808	GG	AA	1940310559
SNP_P1_80678_42284856	NC_021163.1	Ca_kabuli_chr04	42284856	TT	CC	1940310560
SNP_P1_80679_42284904	NC_021163.1	Ca_kabuli_chr04	42284904	AA	GG	1940310562
SNP_P1_80680_42285202	NC_021163.1	Ca_kabuli_chr04	42285202	TT	CC	1940310564
SNP_P1_80681_42285380	NC_021163.1	Ca_kabuli_chr04	42285380	TT	AA	1940310565
SNP_P1_80682_42285407	NC_021163.1	Ca_kabuli_chr04	42285407	GG	AA	1940310567
SNP_P1_80683_42286597	NC_021163.1	Ca_kabuli_chr04	42286597	GG	CC	1940310569
SNP_P1_80684_42299403	NC_021163.1	Ca_kabuli_chr04	42299403	CC	AA	1940310570
SNP_P1_80685_42305917	NC_021163.1	Ca_kabuli_chr04	42305917	GG	AA	1940310572
SNP_P1_80686_42306111	NC_021163.1	Ca_kabuli_chr04	42306111	GG	AA	1940310574
SNP_P1_80687_42306150	NC_021163.1	Ca_kabuli_chr04	42306150	GG	AA	1940310575
SNP_P1_80688_42308266	NC_021163.1	Ca_kabuli_chr04	42308266	GG	AA	1940310577
SNP_P1_80689_42312384	NC_021163.1	Ca_kabuli_chr04	42312384	AA	GG	1940310579
SNP_P1_80690_42315132	NC_021163.1	Ca_kabuli_chr04	42315132	GG	CC	1940310580
SNP_P1_80692_42355728	NC_021163.1	Ca_kabuli_chr04	42355728	TT	CC	1940310582
SNP_P1_80694_42376296	NC_021163.1	Ca_kabuli_chr04	42376296	TT	CC	1940310584
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SNP_P1_80696_42386694	NC_021163.1	Ca_kabuli_chr04	42386694	TT	CC	1940310587
SNP_P1_80698_42407140	NC_021163.1	Ca_kabuli_chr04	42407140	AA	GG	1940310589
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SNP_P1_80700_42407240	NC_021163.1	Ca_kabuli_chr04	42407240	GG	AA	1940310592
SNP_P1_80703_42438409	NC_021163.1	Ca_kabuli_chr04	42438409	TT	CC	1940310594
SNP_P1_80704_42438444	NC_021163.1	Ca_kabuli_chr04	42438444	CC	TT	1940310595
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SNP_P1_80708_42439353	NC_021163.1	Ca_kabuli_chr04	42439353	TT	GG	1940310602
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SNP_P1_80710_42439613	NC_021163.1	Ca_kabuli_chr04	42439613	TT	CC	1940310606
SNP_P1_80711_42439694	NC_021163.1	Ca_kabuli_chr04	42439694	GG	AA	1940310607
SNP_P1_80712_42445514	NC_021163.1	Ca_kabuli_chr04	42445514	GG	TT	1940310609
SNP_P1_80713_42445572	NC_021163.1	Ca_kabuli_chr04	42445572	TT	CC	1940310611
SNP_P1_80714_42446691	NC_021163.1	Ca_kabuli_chr04	42446691	CC	TT	1940310612
SNP_P1_80715_42446710	NC_021163.1	Ca_kabuli_chr04	42446710	CC	TT	1940310614
SNP_P1_80716_42477586	NC_021163.1	Ca_kabuli_chr04	42477586	CC	TT	1940310616
SNP_P1_80717_42507696	NC_021163.1	Ca_kabuli_chr04	42507696	AA	CC	1940310617
SNP_P1_80718_42507705	NC_021163.1	Ca_kabuli_chr04	42507705	TT	CC	1940310619
SNP_P1_80719_42508020	NC_021163.1	Ca_kabuli_chr04	42508020	CC	GG	1940310621
SNP_P1_80720_42513497	NC_021163.1	Ca_kabuli_chr04	42513497	TT	CC	1940310622
SNP_P1_80721_42513529	NC_021163.1	Ca_kabuli_chr04	42513529	GG	TT	1940310624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80723_42513811	NC_021163.1	Ca_kabuli_chr04	42513811	AA	GG	1940310627
SNP_P1_80726_42517015	NC_021163.1	Ca_kabuli_chr04	42517015	GG	AA	1940310629
SNP_P1_80727_42517051	NC_021163.1	Ca_kabuli_chr04	42517051	AA	TT	1940310631
SNP_P1_80728_42517057	NC_021163.1	Ca_kabuli_chr04	42517057	AA	GG	1940310632
SNP_P1_80729_42517079	NC_021163.1	Ca_kabuli_chr04	42517079	AA	GG	1940310634
SNP_P1_80732_42546825	NC_021163.1	Ca_kabuli_chr04	42546825	AA	CC	1940310636
SNP_P1_80733_42546842	NC_021163.1	Ca_kabuli_chr04	42546842	TT	GG	1940310637
SNP_P1_80734_42546907	NC_021163.1	Ca_kabuli_chr04	42546907	AA	GG	1940310639
SNP_P1_80737_42561382	NC_021163.1	Ca_kabuli_chr04	42561382	AA	TT	1940310641
SNP_P1_80738_42561400	NC_021163.1	Ca_kabuli_chr04	42561400	CC	TT	1940310642
SNP_P1_80739_42561427	NC_021163.1	Ca_kabuli_chr04	42561427	GG	AA	1940310644
SNP_P1_80740_42561444	NC_021163.1	Ca_kabuli_chr04	42561444	AA	GG	1940310646
SNP_P1_80741_42580518	NC_021163.1	Ca_kabuli_chr04	42580518	AA	CC	1940310647
SNP_P1_80742_42580703	NC_021163.1	Ca_kabuli_chr04	42580703	AA	CC	1940310649
SNP_P1_80743_42580795	NC_021163.1	Ca_kabuli_chr04	42580795	AA	GG	1940310651
SNP_P1_80744_42588557	NC_021163.1	Ca_kabuli_chr04	42588557	TT	CC	1940310652
SNP_P1_80745_42588597	NC_021163.1	Ca_kabuli_chr04	42588597	TT	AA	1940310654
SNP_P1_80746_42588903	NC_021163.1	Ca_kabuli_chr04	42588903	AA	GG	1940310656
SNP_P1_80747_42588937	NC_021163.1	Ca_kabuli_chr04	42588937	CC	TT	1940310657
SNP_P1_80748_42588951	NC_021163.1	Ca_kabuli_chr04	42588951	GG	AA	1940310659
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SNP_P1_80752_42609857	NC_021163.1	Ca_kabuli_chr04	42609857	AA	GG	1940310664
SNP_P1_80754_42663707	NC_021163.1	Ca_kabuli_chr04	42663707	GG	AA	1940310666
SNP_P1_80756_42671170	NC_021163.1	Ca_kabuli_chr04	42671170	CC	TT	1940310667
SNP_P1_80757_42681359	NC_021163.1	Ca_kabuli_chr04	42681359	TT	CC	1940310669
SNP_P1_80758_42681371	NC_021163.1	Ca_kabuli_chr04	42681371	TT	AA	1940310671
SNP_P1_80759_42685824	NC_021163.1	Ca_kabuli_chr04	42685824	GG	AA	1940310672
SNP_P1_80760_42685857	NC_021163.1	Ca_kabuli_chr04	42685857	CC	TT	1940310674
SNP_P1_80762_42733231	NC_021163.1	Ca_kabuli_chr04	42733231	GG	AA	1940310676
SNP_P1_80763_42737373	NC_021163.1	Ca_kabuli_chr04	42737373	GG	TT	1940310677
SNP_P1_80764_42740003	NC_021163.1	Ca_kabuli_chr04	42740003	CC	TT	1940310679
SNP_P1_80765_42755287	NC_021163.1	Ca_kabuli_chr04	42755287	GG	AA	1940310681
SNP_P1_80766_42755289	NC_021163.1	Ca_kabuli_chr04	42755289	GG	AA	1940310682
SNP_P1_80767_42755291	NC_021163.1	Ca_kabuli_chr04	42755291	TT	GG	1940310684
SNP_P1_80768_42755413	NC_021163.1	Ca_kabuli_chr04	42755413	TT	CC	1940310686
SNP_P1_80769_42755511	NC_021163.1	Ca_kabuli_chr04	42755511	TT	CC	1940310687
SNP_P1_80770_42764881	NC_021163.1	Ca_kabuli_chr04	42764881	AA	GG	1940310689
SNP_P1_80771_42764987	NC_021163.1	Ca_kabuli_chr04	42764987	TT	CC	1940310691
SNP_P1_80772_42765105	NC_021163.1	Ca_kabuli_chr04	42765105	TT	CC	1940310693
SNP_P1_80774_42792824	NC_021163.1	Ca_kabuli_chr04	42792824	TT	AA	1940310694

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80776_42807534	NC_021163.1	Ca_kabuli_chr04	42807534	TT	GG	1940310698
SNP_P1_80777_42807539	NC_021163.1	Ca_kabuli_chr04	42807539	AA	GG	1940310699
SNP_P1_80778_42807562	NC_021163.1	Ca_kabuli_chr04	42807562	GG	AA	1940310701
SNP_P1_80779_42807655	NC_021163.1	Ca_kabuli_chr04	42807655	GG	AA	1940310703
SNP_P1_80780_42807957	NC_021163.1	Ca_kabuli_chr04	42807957	AA	GG	1940310704
SNP_P1_80781_42816710	NC_021163.1	Ca_kabuli_chr04	42816710	TT	AA	1940310706
SNP_P1_80782_42817819	NC_021163.1	Ca_kabuli_chr04	42817819	CC	TT	1940310708
SNP_P1_80783_42820788	NC_021163.1	Ca_kabuli_chr04	42820788	GG	AA	1940310709
SNP_P1_80784_42821106	NC_021163.1	Ca_kabuli_chr04	42821106	GG	AA	1940310711
SNP_P1_80785_42821130	NC_021163.1	Ca_kabuli_chr04	42821130	AA	CC	1940310713
SNP_P1_80786_42821155	NC_021163.1	Ca_kabuli_chr04	42821155	CC	TT	1940310714
SNP_P1_80787_42821250	NC_021163.1	Ca_kabuli_chr04	42821250	CC	TT	1940310716
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SNP_P1_80790_42829259	NC_021163.1	Ca_kabuli_chr04	42829259	CC	TT	1940310721
SNP_P1_80791_42829263	NC_021163.1	Ca_kabuli_chr04	42829263	CC	TT	1940310723
SNP_P1_80792_42829265	NC_021163.1	Ca_kabuli_chr04	42829265	AA	GG	1940310724
SNP_P1_80793_42829346	NC_021163.1	Ca_kabuli_chr04	42829346	TT	CC	1940310726
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SNP_P1_80796_42829469	NC_021163.1	Ca_kabuli_chr04	42829469	TT	CC	1940310731
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SNP_P1_80802_42844531	NC_021163.1	Ca_kabuli_chr04	42844531	AA	TT	1940310741
SNP_P1_80803_42845107	NC_021163.1	Ca_kabuli_chr04	42845107	TT	GG	1940310743
SNP_P1_80804_42845469	NC_021163.1	Ca_kabuli_chr04	42845469	TT	AA	1940310744
SNP_P1_80805_42845517	NC_021163.1	Ca_kabuli_chr04	42845517	AA	CC	1940310746
SNP_P1_80806_42845599	NC_021163.1	Ca_kabuli_chr04	42845599	AA	GG	1940310748
SNP_P1_80807_42846112	NC_021163.1	Ca_kabuli_chr04	42846112	GG	AA	1940310749
SNP_P1_80808_42846113	NC_021163.1	Ca_kabuli_chr04	42846113	AA	TT	1940310751
SNP_P1_80809_42883402	NC_021163.1	Ca_kabuli_chr04	42883402	TT	AA	1940310753
SNP_P1_80810_42887474	NC_021163.1	Ca_kabuli_chr04	42887474	TT	CC	1940310754
SNP_P1_80811_42887810	NC_021163.1	Ca_kabuli_chr04	42887810	CC	AA	1940310756
SNP_P1_80812_42887818	NC_021163.1	Ca_kabuli_chr04	42887818	AA	GG	1940310758
SNP_P1_80813_42887819	NC_021163.1	Ca_kabuli_chr04	42887819	GG	AA	1940310759
SNP_P1_80814_42889013	NC_021163.1	Ca_kabuli_chr04	42889013	CC	AA	1940310761
SNP_P1_80815_42889022	NC_021163.1	Ca_kabuli_chr04	42889022	TT	AA	1940310763
SNP_P1_80816_42889074	NC_021163.1	Ca_kabuli_chr04	42889074	GG	AA	1940310764

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80818_42892518	NC_021163.1	Ca_kabuli_chr04	42892518	CC	TT	1940310768
SNP_P1_80819_42892600	NC_021163.1	Ca_kabuli_chr04	42892600	TT	GG	1940310769
SNP_P1_80820_42892620	NC_021163.1	Ca_kabuli_chr04	42892620	TT	AA	1940310771
SNP_P1_80821_42892839	NC_021163.1	Ca_kabuli_chr04	42892839	CC	AA	1940310773
SNP_P1_80822_42892850	NC_021163.1	Ca_kabuli_chr04	42892850	CC	TT	1940310775
SNP_P1_80823_42893016	NC_021163.1	Ca_kabuli_chr04	42893016	AA	CC	1940310777
SNP_P1_80824_42893318	NC_021163.1	Ca_kabuli_chr04	42893318	AA	GG	1940310779
SNP_P1_80825_42893382	NC_021163.1	Ca_kabuli_chr04	42893382	TT	AA	1940310780
SNP_P1_80826_42893394	NC_021163.1	Ca_kabuli_chr04	42893394	CC	TT	1940310782
SNP_P1_80827_42893400	NC_021163.1	Ca_kabuli_chr04	42893400	GG	AA	1940310784
SNP_P1_80828_42894102	NC_021163.1	Ca_kabuli_chr04	42894102	CC	AA	1940310785
SNP_P1_80829_42897101	NC_021163.1	Ca_kabuli_chr04	42897101	AA	GG	1940310787
SNP_P1_80830_42899816	NC_021163.1	Ca_kabuli_chr04	42899816	GG	TT	1940310789
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SNP_P1_80832_42904493	NC_021163.1	Ca_kabuli_chr04	42904493	TT	AA	1940310792
SNP_P1_80833_42916168	NC_021163.1	Ca_kabuli_chr04	42916168	AA	GG	1940310794
SNP_P1_80834_42924717	NC_021163.1	Ca_kabuli_chr04	42924717	TT	CC	1940310795
SNP_P1_80835_42931741	NC_021163.1	Ca_kabuli_chr04	42931741	AA	GG	1940310797
SNP_P1_80836_42931749	NC_021163.1	Ca_kabuli_chr04	42931749	AA	GG	1940310799
SNP_P1_80837_42932779	NC_021163.1	Ca_kabuli_chr04	42932779	AA	GG	1940310800
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SNP_P1_80840_42947372	NC_021163.1	Ca_kabuli_chr04	42947372	AA	CC	1940310804
SNP_P1_80841_42947414	NC_021163.1	Ca_kabuli_chr04	42947414	TT	CC	1940310806
SNP_P1_80842_42947415	NC_021163.1	Ca_kabuli_chr04	42947415	GG	AA	1940310808
SNP_P1_80843_42947437	NC_021163.1	Ca_kabuli_chr04	42947437	TT	CC	1940310809
SNP_P1_80844_42947519	NC_021163.1	Ca_kabuli_chr04	42947519	AA	TT	1940310811
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SNP_P1_80846_42949911	NC_021163.1	Ca_kabuli_chr04	42949911	GG	AA	1940310814
SNP_P1_80847_42952745	NC_021163.1	Ca_kabuli_chr04	42952745	TT	CC	1940310816
SNP_P1_80848_42952768	NC_021163.1	Ca_kabuli_chr04	42952768	AA	TT	1940310818
SNP_P1_80849_42953085	NC_021163.1	Ca_kabuli_chr04	42953085	AA	GG	1940310819
SNP_P1_80850_42957806	NC_021163.1	Ca_kabuli_chr04	42957806	AA	TT	1940310821
SNP_P1_80851_42957815	NC_021163.1	Ca_kabuli_chr04	42957815	AA	GG	1940310823
SNP_P1_80852_42957845	NC_021163.1	Ca_kabuli_chr04	42957845	AA	GG	1940310824
SNP_P1_80853_42957847	NC_021163.1	Ca_kabuli_chr04	42957847	TT	CC	1940310826
SNP_P1_80854_42962104	NC_021163.1	Ca_kabuli_chr04	42962104	GG	AA	1940310827
SNP_P1_80855_42973891	NC_021163.1	Ca_kabuli_chr04	42973891	GG	AA	1940310829
SNP_P1_80856_42973919	NC_021163.1	Ca_kabuli_chr04	42973919	CC	TT	1940310831
SNP_P1_80857_42973982	NC_021163.1	Ca_kabuli_chr04	42973982	TT	CC	1940310833
SNP_P1_80858_42973992	NC_021163.1	Ca_kabuli_chr04	42973992	AA	GG	1940310834
SNP_P1_80859_42973994	NC_021163.1	Ca_kabuli_chr04	42973994	TT	CC	1940310836

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80861_42974040	NC_021163.1	Ca_kabuli_chr04	42974040	AA	GG	1940310839
SNP_P1_80862_42974062	NC_021163.1	Ca_kabuli_chr04	42974062	GG	CC	1940310841
SNP_P1_80863_42981917	NC_021163.1	Ca_kabuli_chr04	42981917	TT	GG	1940310843
SNP_P1_80864_42988621	NC_021163.1	Ca_kabuli_chr04	42988621	GG	AA	1940310844
SNP_P1_80865_42992069	NC_021163.1	Ca_kabuli_chr04	42992069	GG	AA	1940310846
SNP_P1_80866_42994045	NC_021163.1	Ca_kabuli_chr04	42994045	TT	CC	1940310848
SNP_P1_80867_42994065	NC_021163.1	Ca_kabuli_chr04	42994065	TT	CC	1940310849
SNP_P1_80868_43002069	NC_021163.1	Ca_kabuli_chr04	43002069	AA	CC	1940310851
SNP_P1_80869_43002146	NC_021163.1	Ca_kabuli_chr04	43002146	AA	GG	1940310853
SNP_P1_80870_43002155	NC_021163.1	Ca_kabuli_chr04	43002155	GG	TT	1940310854
SNP_P1_80871_43002184	NC_021163.1	Ca_kabuli_chr04	43002184	AA	GG	1940310856
SNP_P1_80872_43002200	NC_021163.1	Ca_kabuli_chr04	43002200	CC	TT	1940310858
SNP_P1_80873_43002309	NC_021163.1	Ca_kabuli_chr04	43002309	AA	TT	1940310860
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SNP_P1_80876_43002349	NC_021163.1	Ca_kabuli_chr04	43002349	AA	TT	1940310865
SNP_P1_80877_43002463	NC_021163.1	Ca_kabuli_chr04	43002463	GG	TT	1940310866
SNP_P1_80878_43002611	NC_021163.1	Ca_kabuli_chr04	43002611	TT	CC	1940310868
SNP_P1_80879_43002648	NC_021163.1	Ca_kabuli_chr04	43002648	TT	CC	1940310870
SNP_P1_80880_43005274	NC_021163.1	Ca_kabuli_chr04	43005274	GG	AA	1940310871
SNP_P1_80882_43005847	NC_021163.1	Ca_kabuli_chr04	43005847	TT	AA	1940310873
SNP_P1_80883_43005870	NC_021163.1	Ca_kabuli_chr04	43005870	AA	TT	1940310875
SNP_P1_80884_43006059	NC_021163.1	Ca_kabuli_chr04	43006059	GG	TT	1940310877
SNP_P1_80885_43006101	NC_021163.1	Ca_kabuli_chr04	43006101	GG	AA	1940310878
SNP_P1_80886_43006123	NC_021163.1	Ca_kabuli_chr04	43006123	CC	TT	1940310880
SNP_P1_80887_43006195	NC_021163.1	Ca_kabuli_chr04	43006195	TT	AA	1940310882
SNP_P1_80888_43006199	NC_021163.1	Ca_kabuli_chr04	43006199	TT	AA	1940310883
SNP_P1_80889_43006551	NC_021163.1	Ca_kabuli_chr04	43006551	TT	AA	1940310885
SNP_P1_80890_43009914	NC_021163.1	Ca_kabuli_chr04	43009914	TT	AA	1940310887
SNP_P1_80891_43009986	NC_021163.1	Ca_kabuli_chr04	43009986	GG	TT	1940310889
SNP_P1_80892_43010093	NC_021163.1	Ca_kabuli_chr04	43010093	TT	CC	1940310890
SNP_P1_80893_43010219	NC_021163.1	Ca_kabuli_chr04	43010219	TT	AA	1940310892
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SNP_P1_80895_43010349	NC_021163.1	Ca_kabuli_chr04	43010349	TT	CC	1940310895
SNP_P1_80896_43010396	NC_021163.1	Ca_kabuli_chr04	43010396	GG	AA	1940310897
SNP_P1_80897_43010409	NC_021163.1	Ca_kabuli_chr04	43010409	TT	GG	1940310899
SNP_P1_80898_43010434	NC_021163.1	Ca_kabuli_chr04	43010434	TT	CC	1940310900
SNP_P1_80899_43010465	NC_021163.1	Ca_kabuli_chr04	43010465	AA	GG	1940310902
SNP_P1_80900_43011450	NC_021163.1	Ca_kabuli_chr04	43011450	TT	AA	1940310904
SNP_P1_80901_43011484	NC_021163.1	Ca_kabuli_chr04	43011484	TT	CC	1940310905
SNP_P1_80902_43012128	NC_021163.1	Ca_kabuli_chr04	43012128	AA	GG	1940310907

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80904_43015191	NC_021163.1	Ca_kabuli_chr04	43015191	CC	TT	1940310910
SNP_P1_80905_43024134	NC_021163.1	Ca_kabuli_chr04	43024134	TT	CC	1940310912
SNP_P1_80906_43024147	NC_021163.1	Ca_kabuli_chr04	43024147	TT	CC	1940310914
SNP_P1_80907_43028424	NC_021163.1	Ca_kabuli_chr04	43028424	TT	AA	1940310915
SNP_P1_80908_43028594	NC_021163.1	Ca_kabuli_chr04	43028594	AA	TT	1940310917
SNP_P1_80909_43028638	NC_021163.1	Ca_kabuli_chr04	43028638	AA	GG	1940310919
SNP_P1_80910_43028684	NC_021163.1	Ca_kabuli_chr04	43028684	TT	CC	1940310920
SNP_P1_80911_43030798	NC_021163.1	Ca_kabuli_chr04	43030798	GG	AA	1940310922
SNP_P1_80912_43031701	NC_021163.1	Ca_kabuli_chr04	43031701	TT	AA	1940310924
SNP_P1_80913_43031761	NC_021163.1	Ca_kabuli_chr04	43031761	CC	GG	1940310925
SNP_P1_80914_43032487	NC_021163.1	Ca_kabuli_chr04	43032487	TT	CC	1940310927
SNP_P1_80915_43033840	NC_021163.1	Ca_kabuli_chr04	43033840	AA	TT	1940310929
SNP_P1_80916_43033848	NC_021163.1	Ca_kabuli_chr04	43033848	AA	TT	1940310930
SNP_P1_80917_43033849	NC_021163.1	Ca_kabuli_chr04	43033849	CC	TT	1940310932
SNP_P1_80918_43037957	NC_021163.1	Ca_kabuli_chr04	43037957	CC	GG	1940310934
SNP_P1_80919_43038321	NC_021163.1	Ca_kabuli_chr04	43038321	GG	AA	1940310935
SNP_P1_80920_43049661	NC_021163.1	Ca_kabuli_chr04	43049661	GG	AA	1940310937
SNP_P1_80922_43053884	NC_021163.1	Ca_kabuli_chr04	43053884	GG	AA	1940310939
SNP_P1_80923_43055373	NC_021163.1	Ca_kabuli_chr04	43055373	AA	TT	1940310940
SNP_P1_80924_43055847	NC_021163.1	Ca_kabuli_chr04	43055847	TT	CC	1940310942
SNP_P1_80925_43061698	NC_021163.1	Ca_kabuli_chr04	43061698	AA	GG	1940310944
SNP_P1_80926_43061818	NC_021163.1	Ca_kabuli_chr04	43061818	CC	GG	1940310945
SNP_P1_80927_43064526	NC_021163.1	Ca_kabuli_chr04	43064526	AA	GG	1940310947
SNP_P1_80928_43065449	NC_021163.1	Ca_kabuli_chr04	43065449	GG	AA	1940310949
SNP_P1_80929_43065594	NC_021163.1	Ca_kabuli_chr04	43065594	CC	TT	1940310950
SNP_P1_80930_43065602	NC_021163.1	Ca_kabuli_chr04	43065602	CC	GG	1940310952
SNP_P1_80931_43065642	NC_021163.1	Ca_kabuli_chr04	43065642	AA	GG	1940310954
SNP_P1_80932_43073557	NC_021163.1	Ca_kabuli_chr04	43073557	TT	AA	1940310955
SNP_P1_80933_43079282	NC_021163.1	Ca_kabuli_chr04	43079282	TT	CC	1940310957
SNP_P1_80934_43080803	NC_021163.1	Ca_kabuli_chr04	43080803	CC	TT	1940310959
SNP_P1_80935_43082135	NC_021163.1	Ca_kabuli_chr04	43082135	TT	CC	1940310961
SNP_P1_80936_43082201	NC_021163.1	Ca_kabuli_chr04	43082201	AA	TT	1940310962
SNP_P1_80937_43082224	NC_021163.1	Ca_kabuli_chr04	43082224	AA	CC	1940310964
SNP_P1_80938_43082453	NC_021163.1	Ca_kabuli_chr04	43082453	GG	AA	1940310966
SNP_P1_80939_43082643	NC_021163.1	Ca_kabuli_chr04	43082643	CC	TT	1940310967
SNP_P1_80940_43083696	NC_021163.1	Ca_kabuli_chr04	43083696	CC	AA	1940310969
SNP_P1_80941_43084849	NC_021163.1	Ca_kabuli_chr04	43084849	AA	GG	1940310971
SNP_P1_80942_43084850	NC_021163.1	Ca_kabuli_chr04	43084850	TT	GG	1940310972
SNP_P1_80943_43086335	NC_021163.1	Ca_kabuli_chr04	43086335	AA	TT	1940310974
SNP_P1_80944_43086336	NC_021163.1	Ca_kabuli_chr04	43086336	CC	TT	1940310976
SNP_P1_80945_43093192	NC_021163.1	Ca_kabuli_chr04	43093192	AA	GG	1940310977

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80947_43093457	NC_021163.1	Ca_kabuli_chr04	43093457	AA	CC	1940310981
SNP_P1_80948_43093658	NC_021163.1	Ca_kabuli_chr04	43093658	AA	TT	1940310982
SNP_P1_80949_43093720	NC_021163.1	Ca_kabuli_chr04	43093720	GG	TT	1940310984
SNP_P1_80950_43093732	NC_021163.1	Ca_kabuli_chr04	43093732	CC	TT	1940310986
SNP_P1_80951_43093739	NC_021163.1	Ca_kabuli_chr04	43093739	TT	AA	1940310987
SNP_P1_80952_43093767	NC_021163.1	Ca_kabuli_chr04	43093767	AA	GG	1940310989
SNP_P1_80953_43093771	NC_021163.1	Ca_kabuli_chr04	43093771	CC	AA	1940310991
SNP_P1_80954_43093788	NC_021163.1	Ca_kabuli_chr04	43093788	CC	TT	1940310992
SNP_P1_80955_43093796	NC_021163.1	Ca_kabuli_chr04	43093796	CC	TT	1940310994
SNP_P1_80956_43095089	NC_021163.1	Ca_kabuli_chr04	43095089	TT	CC	1940310996
SNP_P1_80957_43111734	NC_021163.1	Ca_kabuli_chr04	43111734	GG	AA	1940310997
SNP_P1_80958_43111838	NC_021163.1	Ca_kabuli_chr04	43111838	TT	AA	1940310999
SNP_P1_80959_43112182	NC_021163.1	Ca_kabuli_chr04	43112182	TT	AA	1940311000
SNP_P1_80960_43115388	NC_021163.1	Ca_kabuli_chr04	43115388	GG	AA	1940311002
SNP_P1_80961_43120029	NC_021163.1	Ca_kabuli_chr04	43120029	CC	AA	1940311004
SNP_P1_80962_43120030	NC_021163.1	Ca_kabuli_chr04	43120030	TT	CC	1940311005
SNP_P1_80963_43128315	NC_021163.1	Ca_kabuli_chr04	43128315	GG	AA	1940311007
SNP_P1_80964_43128330	NC_021163.1	Ca_kabuli_chr04	43128330	GG	TT	1940311009
SNP_P1_80965_43128334	NC_021163.1	Ca_kabuli_chr04	43128334	GG	AA	1940311011
SNP_P1_80966_43137290	NC_021163.1	Ca_kabuli_chr04	43137290	GG	TT	1940311012
SNP_P1_80967_43143932	NC_021163.1	Ca_kabuli_chr04	43143932	GG	CC	1940311014
SNP_P1_80968_43143954	NC_021163.1	Ca_kabuli_chr04	43143954	TT	CC	1940311016
SNP_P1_80969_43146786	NC_021163.1	Ca_kabuli_chr04	43146786	AA	TT	1940311017
SNP_P1_80970_43146812	NC_021163.1	Ca_kabuli_chr04	43146812	TT	CC	1940311019
SNP_P1_80971_43146878	NC_021163.1	Ca_kabuli_chr04	43146878	CC	GG	1940311021
SNP_P1_80972_43146893	NC_021163.1	Ca_kabuli_chr04	43146893	GG	AA	1940311022
SNP_P1_80973_43146954	NC_021163.1	Ca_kabuli_chr04	43146954	CC	TT	1940311024
SNP_P1_80974_43146975	NC_021163.1	Ca_kabuli_chr04	43146975	CC	TT	1940311026
SNP_P1_80975_43146983	NC_021163.1	Ca_kabuli_chr04	43146983	CC	TT	1940311027
SNP_P1_80976_43146991	NC_021163.1	Ca_kabuli_chr04	43146991	CC	TT	1940311029
SNP_P1_80977_43146996	NC_021163.1	Ca_kabuli_chr04	43146996	CC	TT	1940311031
SNP_P1_80978_43149966	NC_021163.1	Ca_kabuli_chr04	43149966	AA	GG	1940311032
SNP_P1_80979_43165531	NC_021163.1	Ca_kabuli_chr04	43165531	AA	TT	1940311034
SNP_P1_80980_43165547	NC_021163.1	Ca_kabuli_chr04	43165547	GG	AA	1940311036
SNP_P1_80981_43165566	NC_021163.1	Ca_kabuli_chr04	43165566	TT	CC	1940311037
SNP_P1_80982_43171381	NC_021163.1	Ca_kabuli_chr04	43171381	GG	CC	1940311039
SNP_P1_80983_43173864	NC_021163.1	Ca_kabuli_chr04	43173864	AA	TT	1940311041
SNP_P1_80984_43200277	NC_021163.1	Ca_kabuli_chr04	43200277	AA	CC	1940311042
SNP_P1_80985_43205113	NC_021163.1	Ca_kabuli_chr04	43205113	GG	AA	1940311044
SNP_P1_80986_43205245	NC_021163.1	Ca_kabuli_chr04	43205245	CC	TT	1940311046
SNP_P1_80987_43212036	NC_021163.1	Ca_kabuli_chr04	43212036	TT	AA	1940311047

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_80989_43222374	NC_021163.1	Ca_kabuli_chr04	43222374	TT	GG	1940311051
SNP_P1_80991_43232190	NC_021163.1	Ca_kabuli_chr04	43232190	TT	GG	1940311052
SNP_P1_80992_43240062	NC_021163.1	Ca_kabuli_chr04	43240062	GG	AA	1940311054
SNP_P1_80993_43240667	NC_021163.1	Ca_kabuli_chr04	43240667	AA	CC	1940311056
SNP_P1_80994_43240836	NC_021163.1	Ca_kabuli_chr04	43240836	CC	TT	1940311057
SNP_P1_80995_43240981	NC_021163.1	Ca_kabuli_chr04	43240981	AA	TT	1940311059
SNP_P1_80996_43241011	NC_021163.1	Ca_kabuli_chr04	43241011	AA	GG	1940311061
SNP_P1_80997_43242982	NC_021163.1	Ca_kabuli_chr04	43242982	GG	AA	1940311063
SNP_P1_80998_43243340	NC_021163.1	Ca_kabuli_chr04	43243340	GG	AA	1940311064
SNP_P1_80999_43243610	NC_021163.1	Ca_kabuli_chr04	43243610	GG	AA	1940311066
SNP_P1_81000_43243646	NC_021163.1	Ca_kabuli_chr04	43243646	AA	GG	1940311068
SNP_P1_81001_43243655	NC_021163.1	Ca_kabuli_chr04	43243655	GG	AA	1940311069
SNP_P1_81002_43243663	NC_021163.1	Ca_kabuli_chr04	43243663	AA	GG	1940311071
SNP_P1_81003_43243667	NC_021163.1	Ca_kabuli_chr04	43243667	AA	GG	1940311073
SNP_P1_81004_43243713	NC_021163.1	Ca_kabuli_chr04	43243713	TT	GG	1940311074
SNP_P1_81005_43243718	NC_021163.1	Ca_kabuli_chr04	43243718	TT	CC	1940311076
SNP_P1_81006_43243945	NC_021163.1	Ca_kabuli_chr04	43243945	GG	AA	1940311078
SNP_P1_81007_43243984	NC_021163.1	Ca_kabuli_chr04	43243984	CC	TT	1940311079
SNP_P1_81008_43243990	NC_021163.1	Ca_kabuli_chr04	43243990	AA	TT	1940311081
SNP_P1_81009_43244073	NC_021163.1	Ca_kabuli_chr04	43244073	CC	TT	1940311083
SNP_P1_81010_43247567	NC_021163.1	Ca_kabuli_chr04	43247567	CC	TT	1940311084
SNP_P1_81011_43247808	NC_021163.1	Ca_kabuli_chr04	43247808	CC	GG	1940311086
SNP_P1_81012_43263368	NC_021163.1	Ca_kabuli_chr04	43263368	AA	GG	1940311088
SNP_P1_81013_43263381	NC_021163.1	Ca_kabuli_chr04	43263381	CC	AA	1940311089
SNP_P1_81014_43270325	NC_021163.1	Ca_kabuli_chr04	43270325	AA	TT	1940311091
SNP_P1_81016_43273847	NC_021163.1	Ca_kabuli_chr04	43273847	TT	CC	1940311093
SNP_P1_81017_43274798	NC_021163.1	Ca_kabuli_chr04	43274798	GG	AA	1940311094
SNP_P1_81018_43274801	NC_021163.1	Ca_kabuli_chr04	43274801	TT	CC	1940311096
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SNP_P1_81020_43274834	NC_021163.1	Ca_kabuli_chr04	43274834	TT	AA	1940311099
SNP_P1_81021_43274864	NC_021163.1	Ca_kabuli_chr04	43274864	TT	CC	1940311101
SNP_P1_81022_43274894	NC_021163.1	Ca_kabuli_chr04	43274894	CC	TT	1940311103
SNP_P1_81023_43274909	NC_021163.1	Ca_kabuli_chr04	43274909	TT	GG	1940311104
SNP_P1_81024_43274911	NC_021163.1	Ca_kabuli_chr04	43274911	TT	CC	1940311106
SNP_P1_81025_43274912	NC_021163.1	Ca_kabuli_chr04	43274912	CC	TT	1940311108
SNP_P1_81026_43274919	NC_021163.1	Ca_kabuli_chr04	43274919	AA	CC	1940311109
SNP_P1_81027_43274932	NC_021163.1	Ca_kabuli_chr04	43274932	TT	CC	1940311111
SNP_P1_81028_43275190	NC_021163.1	Ca_kabuli_chr04	43275190	AA	GG	1940311113
SNP_P1_81029_43275206	NC_021163.1	Ca_kabuli_chr04	43275206	CC	TT	1940311114
SNP_P1_81030_43275239	NC_021163.1	Ca_kabuli_chr04	43275239	TT	CC	1940311116
SNP_P1_81031_43275244	NC_021163.1	Ca_kabuli_chr04	43275244	CC	TT	1940311118

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81035_43286064	NC_021163.1	Ca_kabuli_chr04	43286064	TT	CC	1940311123
SNP_P1_81036_43290006	NC_021163.1	Ca_kabuli_chr04	43290006	TT	AA	1940311124
SNP_P1_81038_43296476	NC_021163.1	Ca_kabuli_chr04	43296476	TT	AA	1940311126
SNP_P1_81041_43304339	NC_021163.1	Ca_kabuli_chr04	43304339	AA	TT	1940311128
SNP_P1_81042_43304346	NC_021163.1	Ca_kabuli_chr04	43304346	AA	TT	1940311129
SNP_P1_81043_43345831	NC_021163.1	Ca_kabuli_chr04	43345831	AA	TT	1940311131
SNP_P1_81044_43346046	NC_021163.1	Ca_kabuli_chr04	43346046	GG	AA	1940311133
SNP_P1_81045_43362622	NC_021163.1	Ca_kabuli_chr04	43362622	CC	TT	1940311134
SNP_P1_81046_43362633	NC_021163.1	Ca_kabuli_chr04	43362633	GG	AA	1940311136
SNP_P1_81048_43364528	NC_021163.1	Ca_kabuli_chr04	43364528	AA	GG	1940311138
SNP_P1_81049_43364540	NC_021163.1	Ca_kabuli_chr04	43364540	GG	AA	1940311139
SNP_P1_81050_43364566	NC_021163.1	Ca_kabuli_chr04	43364566	CC	TT	1940311141
SNP_P1_81051_43369210	NC_021163.1	Ca_kabuli_chr04	43369210	GG	CC	1940311143
SNP_P1_81052_43369230	NC_021163.1	Ca_kabuli_chr04	43369230	CC	TT	1940311144
SNP_P1_81053_43369356	NC_021163.1	Ca_kabuli_chr04	43369356	TT	CC	1940311146
SNP_P1_81054_43369371	NC_021163.1	Ca_kabuli_chr04	43369371	GG	AA	1940311148
SNP_P1_81055_43381822	NC_021163.1	Ca_kabuli_chr04	43381822	AA	TT	1940311149
SNP_P1_81058_43391576	NC_021163.1	Ca_kabuli_chr04	43391576	TT	CC	1940311151
SNP_P1_81059_43398838	NC_021163.1	Ca_kabuli_chr04	43398838	AA	GG	1940311153
SNP_P1_81060_43402415	NC_021163.1	Ca_kabuli_chr04	43402415	TT	CC	1940311154
SNP_P1_81062_43420992	NC_021163.1	Ca_kabuli_chr04	43420992	TT	CC	1940311156
SNP_P1_81064_43434195	NC_021163.1	Ca_kabuli_chr04	43434195	TT	AA	1940311158
SNP_P1_81065_43441187	NC_021163.1	Ca_kabuli_chr04	43441187	TT	CC	1940311159
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SNP_P1_81070_43468320	NC_021163.1	Ca_kabuli_chr04	43468320	AA	CC	1940311164
SNP_P1_81071_43468324	NC_021163.1	Ca_kabuli_chr04	43468324	AA	GG	1940311166
SNP_P1_81072_43468348	NC_021163.1	Ca_kabuli_chr04	43468348	CC	AA	1940311168
SNP_P1_81073_43468666	NC_021163.1	Ca_kabuli_chr04	43468666	AA	CC	1940311169
SNP_P1_81074_43468726	NC_021163.1	Ca_kabuli_chr04	43468726	AA	GG	1940311171
SNP_P1_81075_43478641	NC_021163.1	Ca_kabuli_chr04	43478641	CC	AA	1940311173
SNP_P1_81076_43495781	NC_021163.1	Ca_kabuli_chr04	43495781	TT	CC	1940311174
SNP_P1_81077_43497749	NC_021163.1	Ca_kabuli_chr04	43497749	AA	GG	1940311176
SNP_P1_81078_43510707	NC_021163.1	Ca_kabuli_chr04	43510707	TT	CC	1940311178
SNP_P1_81079_43510740	NC_021163.1	Ca_kabuli_chr04	43510740	TT	CC	1940311179
SNP_P1_81080_43510916	NC_021163.1	Ca_kabuli_chr04	43510916	CC	TT	1940311181
SNP_P1_81081_43511017	NC_021163.1	Ca_kabuli_chr04	43511017	AA	CC	1940311183
SNP_P1_81082_43511021	NC_021163.1	Ca_kabuli_chr04	43511021	TT	CC	1940311184
SNP_P1_81083_43511036	NC_021163.1	Ca_kabuli_chr04	43511036	AA	TT	1940311186
SNP_P1_81084_43511091	NC_021163.1	Ca_kabuli_chr04	43511091	TT	CC	1940311188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81087_43511104	NC_021163.1	Ca_kabuli_chr04	43511104	CC	TT	1940311193
SNP_P1_81088_43511138	NC_021163.1	Ca_kabuli_chr04	43511138	GG	AA	1940311194
SNP_P1_81089_43511259	NC_021163.1	Ca_kabuli_chr04	43511259	GG	AA	1940311196
SNP_P1_81090_43525676	NC_021163.1	Ca_kabuli_chr04	43525676	GG	AA	1940311198
SNP_P1_81091_43533427	NC_021163.1	Ca_kabuli_chr04	43533427	GG	AA	1940311199
SNP_P1_81092_43533662	NC_021163.1	Ca_kabuli_chr04	43533662	GG	TT	1940311201
SNP_P1_81093_43552246	NC_021163.1	Ca_kabuli_chr04	43552246	TT	CC	1940311203
SNP_P1_81094_43552630	NC_021163.1	Ca_kabuli_chr04	43552630	AA	CC	1940311204
SNP_P1_81095_43573252	NC_021163.1	Ca_kabuli_chr04	43573252	GG	AA	1940311206
SNP_P1_81096_43579547	NC_021163.1	Ca_kabuli_chr04	43579547	CC	TT	1940311208
SNP_P1_81097_43605111	NC_021163.1	Ca_kabuli_chr04	43605111	AA	GG	1940311209
SNP_P1_81099_43635722	NC_021163.1	Ca_kabuli_chr04	43635722	AA	CC	1940311211
SNP_P1_81100_43636143	NC_021163.1	Ca_kabuli_chr04	43636143	CC	TT	1940311213
SNP_P1_81101_43636239	NC_021163.1	Ca_kabuli_chr04	43636239	AA	GG	1940311215
SNP_P1_81102_43636240	NC_021163.1	Ca_kabuli_chr04	43636240	GG	TT	1940311216
SNP_P1_81103_43636686	NC_021163.1	Ca_kabuli_chr04	43636686	AA	TT	1940311218
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SNP_P1_81105_43658079	NC_021163.1	Ca_kabuli_chr04	43658079	AA	GG	1940311221
SNP_P1_81107_43664086	NC_021163.1	Ca_kabuli_chr04	43664086	AA	GG	1940311223
SNP_P1_81108_43664752	NC_021163.1	Ca_kabuli_chr04	43664752	GG	TT	1940311225
SNP_P1_81109_43671201	NC_021163.1	Ca_kabuli_chr04	43671201	AA	CC	1940311226
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SNP_P1_81113_43757413	NC_021163.1	Ca_kabuli_chr04	43757413	AA	GG	1940311230
SNP_P1_81114_43757476	NC_021163.1	Ca_kabuli_chr04	43757476	TT	CC	1940311231
SNP_P1_81115_43757505	NC_021163.1	Ca_kabuli_chr04	43757505	AA	GG	1940311233
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SNP_P1_81117_43766597	NC_021163.1	Ca_kabuli_chr04	43766597	GG	AA	1940311236
SNP_P1_81119_43781928	NC_021163.1	Ca_kabuli_chr04	43781928	TT	CC	1940311238
SNP_P1_81120_43781929	NC_021163.1	Ca_kabuli_chr04	43781929	TT	CC	1940311240
SNP_P1_81121_43801218	NC_021163.1	Ca_kabuli_chr04	43801218	AA	GG	1940311241
SNP_P1_81122_43819386	NC_021163.1	Ca_kabuli_chr04	43819386	AA	GG	1940311243
SNP_P1_81123_43821429	NC_021163.1	Ca_kabuli_chr04	43821429	CC	GG	1940311245
SNP_P1_81124_43825341	NC_021163.1	Ca_kabuli_chr04	43825341	GG	AA	1940311246
SNP_P1_81127_43849763	NC_021163.1	Ca_kabuli_chr04	43849763	CC	TT	1940311248
SNP_P1_81128_43850564	NC_021163.1	Ca_kabuli_chr04	43850564	AA	GG	1940311250
SNP_P1_81129_43858652	NC_021163.1	Ca_kabuli_chr04	43858652	TT	AA	1940311251
SNP_P1_81131_43881923	NC_021163.1	Ca_kabuli_chr04	43881923	CC	TT	1940311253
SNP_P1_81132_43887084	NC_021163.1	Ca_kabuli_chr04	43887084	CC	AA	1940311255
SNP_P1_81134_43895356	NC_021163.1	Ca_kabuli_chr04	43895356	GG	AA	1940311256
SNP_P1_81135_43895358	NC_021163.1	Ca_kabuli_chr04	43895358	TT	AA	1940311258

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81137_43898955	NC_021163.1	Ca_kabuli_chr04	43898955	CC	TT	1940311261
SNP_P1_81139_43923770	NC_021163.1	Ca_kabuli_chr04	43923770	TT	CC	1940311263
SNP_P1_81140_43926809	NC_021163.1	Ca_kabuli_chr04	43926809	TT	CC	1940311265
SNP_P1_81141_43933304	NC_021163.1	Ca_kabuli_chr04	43933304	AA	TT	1940311266
SNP_P1_81142_43953034	NC_021163.1	Ca_kabuli_chr04	43953034	AA	GG	1940311268
SNP_P1_81144_43970370	NC_021163.1	Ca_kabuli_chr04	43970370	AA	CC	1940311270
SNP_P1_81145_43986522	NC_021163.1	Ca_kabuli_chr04	43986522	GG	AA	1940311271
SNP_P1_81146_44022085	NC_021163.1	Ca_kabuli_chr04	44022085	CC	AA	1940311273
SNP_P1_81148_44041572	NC_021163.1	Ca_kabuli_chr04	44041572	CC	GG	1940311275
SNP_P1_81153_44093240	NC_021163.1	Ca_kabuli_chr04	44093240	AA	CC	1940311276
SNP_P1_81154_44093241	NC_021163.1	Ca_kabuli_chr04	44093241	AA	CC	1940311278
SNP_P1_81155_44093255	NC_021163.1	Ca_kabuli_chr04	44093255	CC	AA	1940311280
SNP_P1_81156_44093256	NC_021163.1	Ca_kabuli_chr04	44093256	CC	AA	1940311281
SNP_P1_81157_44096498	NC_021163.1	Ca_kabuli_chr04	44096498	AA	GG	1940311283
SNP_P1_81159_44108677	NC_021163.1	Ca_kabuli_chr04	44108677	CC	TT	1940311285
SNP_P1_81160_44116905	NC_021163.1	Ca_kabuli_chr04	44116905	TT	CC	1940311286
SNP_P1_81161_44134103	NC_021163.1	Ca_kabuli_chr04	44134103	CC	TT	1940311288
SNP_P1_81162_44134357	NC_021163.1	Ca_kabuli_chr04	44134357	CC	AA	1940311290
SNP_P1_81164_44134574	NC_021163.1	Ca_kabuli_chr04	44134574	TT	CC	1940311292
SNP_P1_81165_44134606	NC_021163.1	Ca_kabuli_chr04	44134606	AA	GG	1940311293
SNP_P1_81166_44134618	NC_021163.1	Ca_kabuli_chr04	44134618	CC	TT	1940311295
SNP_P1_81167_44134635	NC_021163.1	Ca_kabuli_chr04	44134635	AA	GG	1940311297
SNP_P1_81168_44134774	NC_021163.1	Ca_kabuli_chr04	44134774	AA	GG	1940311298
SNP_P1_81169_44134836	NC_021163.1	Ca_kabuli_chr04	44134836	CC	TT	1940311300
SNP_P1_81170_44135047	NC_021163.1	Ca_kabuli_chr04	44135047	TT	CC	1940311302
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SNP_P1_81172_44135203	NC_021163.1	Ca_kabuli_chr04	44135203	TT	AA	1940311305
SNP_P1_81173_44135205	NC_021163.1	Ca_kabuli_chr04	44135205	TT	CC	1940311307
SNP_P1_81174_44165370	NC_021163.1	Ca_kabuli_chr04	44165370	AA	GG	1940311308
SNP_P1_81176_44190824	NC_021163.1	Ca_kabuli_chr04	44190824	GG	CC	1940311310
SNP_P1_81177_44198065	NC_021163.1	Ca_kabuli_chr04	44198065	GG	CC	1940311312
SNP_P1_81178_44198072	NC_021163.1	Ca_kabuli_chr04	44198072	CC	TT	1940311313
SNP_P1_81179_44198550	NC_021163.1	Ca_kabuli_chr04	44198550	AA	GG	1940311315
SNP_P1_81180_44198555	NC_021163.1	Ca_kabuli_chr04	44198555	AA	GG	1940311317
SNP_P1_81181_44207729	NC_021163.1	Ca_kabuli_chr04	44207729	TT	GG	1940311318
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SNP_P1_81183_44214239	NC_021163.1	Ca_kabuli_chr04	44214239	TT	CC	1940311322
SNP_P1_81184_44214247	NC_021163.1	Ca_kabuli_chr04	44214247	TT	GG	1940311323
SNP_P1_81185_44214250	NC_021163.1	Ca_kabuli_chr04	44214250	AA	CC	1940311325
SNP_P1_81186_44214331	NC_021163.1	Ca_kabuli_chr04	44214331	CC	TT	1940311327
SNP_P1_81187_44214526	NC_021163.1	Ca_kabuli_chr04	44214526	CC	TT	1940311328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81189_44214530	NC_021163.1	Ca_kabuli_chr04	44214530	TT	CC	1940311332
SNP_P1_81190_44214537	NC_021163.1	Ca_kabuli_chr04	44214537	GG	AA	1940311333
SNP_P1_81191_44214538	NC_021163.1	Ca_kabuli_chr04	44214538	AA	CC	1940311335
SNP_P1_81192_44214566	NC_021163.1	Ca_kabuli_chr04	44214566	TT	AA	1940311337
SNP_P1_81193_44214680	NC_021163.1	Ca_kabuli_chr04	44214680	TT	CC	1940311338
SNP_P1_81194_44214704	NC_021163.1	Ca_kabuli_chr04	44214704	AA	GG	1940311340
SNP_P1_81195_44235280	NC_021163.1	Ca_kabuli_chr04	44235280	AA	GG	1940311342
SNP_P1_81196_44257961	NC_021163.1	Ca_kabuli_chr04	44257961	CC	TT	1940311343
SNP_P1_81198_44292792	NC_021163.1	Ca_kabuli_chr04	44292792	GG	AA	1940311345
SNP_P1_81199_44293777	NC_021163.1	Ca_kabuli_chr04	44293777	AA	GG	1940311347
SNP_P1_81200_44293820	NC_021163.1	Ca_kabuli_chr04	44293820	CC	TT	1940311348
SNP_P1_81201_44294024	NC_021163.1	Ca_kabuli_chr04	44294024	CC	TT	1940311350
SNP_P1_81202_44294073	NC_021163.1	Ca_kabuli_chr04	44294073	AA	GG	1940311352
SNP_P1_81203_44294102	NC_021163.1	Ca_kabuli_chr04	44294102	AA	TT	1940311353
SNP_P1_81204_44294103	NC_021163.1	Ca_kabuli_chr04	44294103	CC	GG	1940311355
SNP_P1_81205_44294308	NC_021163.1	Ca_kabuli_chr04	44294308	GG	TT	1940311357
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SNP_P1_81210_44294621	NC_021163.1	Ca_kabuli_chr04	44294621	AA	GG	1940311365
SNP_P1_81211_44294737	NC_021163.1	Ca_kabuli_chr04	44294737	TT	CC	1940311367
SNP_P1_81212_44294815	NC_021163.1	Ca_kabuli_chr04	44294815	AA	TT	1940311368
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SNP_P1_81215_44295002	NC_021163.1	Ca_kabuli_chr04	44295002	TT	GG	1940311374
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SNP_P1_81217_44295280	NC_021163.1	Ca_kabuli_chr04	44295280	AA	CC	1940311377
SNP_P1_81218_44295325	NC_021163.1	Ca_kabuli_chr04	44295325	TT	CC	1940311379
SNP_P1_81219_44295378	NC_021163.1	Ca_kabuli_chr04	44295378	TT	CC	1940311380
SNP_P1_81220_44301957	NC_021163.1	Ca_kabuli_chr04	44301957	GG	AA	1940311382
SNP_P1_81221_44306174	NC_021163.1	Ca_kabuli_chr04	44306174	CC	AA	1940311384
SNP_P1_81222_44310352	NC_021163.1	Ca_kabuli_chr04	44310352	GG	AA	1940311385
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SNP_P1_81224_44346355	NC_021163.1	Ca_kabuli_chr04	44346355	GG	CC	1940311389
SNP_P1_81225_44346629	NC_021163.1	Ca_kabuli_chr04	44346629	CC	TT	1940311390
SNP_P1_81227_44376515	NC_021163.1	Ca_kabuli_chr04	44376515	TT	CC	1940311392
SNP_P1_81228_44383617	NC_021163.1	Ca_kabuli_chr04	44383617	GG	AA	1940311394
SNP_P1_81229_44403371	NC_021163.1	Ca_kabuli_chr04	44403371	AA	TT	1940311395
SNP_P1_81230_44427807	NC_021163.1	Ca_kabuli_chr04	44427807	CC	TT	1940311397
SNP_P1_81232_44440512	NC_021163.1	Ca_kabuli_chr04	44440512	GG	AA	1940311399

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81235_44487091	NC_021163.1	Ca_kabuli_chr04	44487091	AA	GG	1940311404
SNP_P1_81236_44487139	NC_021163.1	Ca_kabuli_chr04	44487139	TT	GG	1940311405
SNP_P1_81237_44487143	NC_021163.1	Ca_kabuli_chr04	44487143	CC	TT	1940311407
SNP_P1_81238_44487146	NC_021163.1	Ca_kabuli_chr04	44487146	GG	CC	1940311409
SNP_P1_81239_44487152	NC_021163.1	Ca_kabuli_chr04	44487152	CC	TT	1940311410
SNP_P1_81240_44487776	NC_021163.1	Ca_kabuli_chr04	44487776	GG	CC	1940311412
SNP_P1_81241_44488011	NC_021163.1	Ca_kabuli_chr04	44488011	TT	CC	1940311414
SNP_P1_81243_44488278	NC_021163.1	Ca_kabuli_chr04	44488278	AA	GG	1940311415
SNP_P1_81244_44488288	NC_021163.1	Ca_kabuli_chr04	44488288	CC	TT	1940311417
SNP_P1_81245_44488301	NC_021163.1	Ca_kabuli_chr04	44488301	CC	TT	1940311419
SNP_P1_81247_44488499	NC_021163.1	Ca_kabuli_chr04	44488499	GG	CC	1940311420
SNP_P1_81249_44489494	NC_021163.1	Ca_kabuli_chr04	44489494	AA	GG	1940311422
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SNP_P1_81253_44490430	NC_021163.1	Ca_kabuli_chr04	44490430	TT	CC	1940311425
SNP_P1_81254_44490626	NC_021163.1	Ca_kabuli_chr04	44490626	AA	GG	1940311427
SNP_P1_81255_44490629	NC_021163.1	Ca_kabuli_chr04	44490629	TT	GG	1940311429
SNP_P1_81256_44490641	NC_021163.1	Ca_kabuli_chr04	44490641	TT	CC	1940311430
SNP_P1_81257_44490979	NC_021163.1	Ca_kabuli_chr04	44490979	AA	GG	1940311432
SNP_P1_81258_44491409	NC_021163.1	Ca_kabuli_chr04	44491409	TT	AA	1940311434
SNP_P1_81259_44491424	NC_021163.1	Ca_kabuli_chr04	44491424	TT	GG	1940311436
SNP_P1_81260_44491428	NC_021163.1	Ca_kabuli_chr04	44491428	GG	AA	1940311437
SNP_P1_81262_44491847	NC_021163.1	Ca_kabuli_chr04	44491847	AA	TT	1940311439
SNP_P1_81263_44492448	NC_021163.1	Ca_kabuli_chr04	44492448	AA	GG	1940311441
SNP_P1_81264_44492651	NC_021163.1	Ca_kabuli_chr04	44492651	CC	AA	1940311442
SNP_P1_81265_44492693	NC_021163.1	Ca_kabuli_chr04	44492693	TT	CC	1940311444
SNP_P1_81266_44492728	NC_021163.1	Ca_kabuli_chr04	44492728	TT	CC	1940311446
SNP_P1_81267_44493029	NC_021163.1	Ca_kabuli_chr04	44493029	TT	CC	1940311447
SNP_P1_81268_44493109	NC_021163.1	Ca_kabuli_chr04	44493109	TT	CC	1940311449
SNP_P1_81269_44493345	NC_021163.1	Ca_kabuli_chr04	44493345	CC	AA	1940311450
SNP_P1_81270_44494040	NC_021163.1	Ca_kabuli_chr04	44494040	TT	AA	1940311452
SNP_P1_81271_44494041	NC_021163.1	Ca_kabuli_chr04	44494041	AA	TT	1940311454
SNP_P1_81272_44494043	NC_021163.1	Ca_kabuli_chr04	44494043	AA	TT	1940311455
SNP_P1_81273_44494101	NC_021163.1	Ca_kabuli_chr04	44494101	TT	AA	1940311457
SNP_P1_81274_44495123	NC_021163.1	Ca_kabuli_chr04	44495123	AA	GG	1940311459
SNP_P1_81275_44495369	NC_021163.1	Ca_kabuli_chr04	44495369	CC	AA	1940311460
SNP_P1_81277_44496154	NC_021163.1	Ca_kabuli_chr04	44496154	TT	CC	1940311462
SNP_P1_81278_44497089	NC_021163.1	Ca_kabuli_chr04	44497089	CC	TT	1940311464
SNP_P1_81279_44497122	NC_021163.1	Ca_kabuli_chr04	44497122	AA	GG	1940311465
SNP_P1_81280_44497124	NC_021163.1	Ca_kabuli_chr04	44497124	CC	TT	1940311467
SNP_P1_81281_44497161	NC_021163.1	Ca_kabuli_chr04	44497161	GG	CC	1940311469

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81284_44499266	NC_021163.1	Ca_kabuli_chr04	44499266	TT	GG	1940311472
SNP_P1_81285_44499287	NC_021163.1	Ca_kabuli_chr04	44499287	GG	AA	1940311474
SNP_P1_81286_44499306	NC_021163.1	Ca_kabuli_chr04	44499306	TT	AA	1940311476
SNP_P1_81287_44499311	NC_021163.1	Ca_kabuli_chr04	44499311	AA	TT	1940311477
SNP_P1_81288_44499694	NC_021163.1	Ca_kabuli_chr04	44499694	TT	CC	1940311479
SNP_P1_81289_44500506	NC_021163.1	Ca_kabuli_chr04	44500506	CC	TT	1940311481
SNP_P1_81291_44500792	NC_021163.1	Ca_kabuli_chr04	44500792	CC	TT	1940311482
SNP_P1_81292_44501589	NC_021163.1	Ca_kabuli_chr04	44501589	CC	TT	1940311484
SNP_P1_81293_44501936	NC_021163.1	Ca_kabuli_chr04	44501936	CC	TT	1940311486
SNP_P1_81294_44503643	NC_021163.1	Ca_kabuli_chr04	44503643	CC	GG	1940311487
SNP_P1_81295_44503658	NC_021163.1	Ca_kabuli_chr04	44503658	CC	TT	1940311489
SNP_P1_81296_44503966	NC_021163.1	Ca_kabuli_chr04	44503966	TT	CC	1940311491
SNP_P1_81297_44503989	NC_021163.1	Ca_kabuli_chr04	44503989	TT	CC	1940311492
SNP_P1_81298_44504030	NC_021163.1	Ca_kabuli_chr04	44504030	TT	CC	1940311494
SNP_P1_81299_44504177	NC_021163.1	Ca_kabuli_chr04	44504177	TT	CC	1940311496
SNP_P1_81300_44504412	NC_021163.1	Ca_kabuli_chr04	44504412	GG	CC	1940311497
SNP_P1_81301_44504446	NC_021163.1	Ca_kabuli_chr04	44504446	GG	AA	1940311499
SNP_P1_81303_44505436	NC_021163.1	Ca_kabuli_chr04	44505436	AA	GG	1940311501
SNP_P1_81304_44505442	NC_021163.1	Ca_kabuli_chr04	44505442	CC	TT	1940311502
SNP_P1_81305_44505470	NC_021163.1	Ca_kabuli_chr04	44505470	CC	AA	1940311504
SNP_P1_81306_44505672	NC_021163.1	Ca_kabuli_chr04	44505672	GG	AA	1940311506
SNP_P1_81307_44505832	NC_021163.1	Ca_kabuli_chr04	44505832	AA	TT	1940311507
SNP_P1_81308_44506105	NC_021163.1	Ca_kabuli_chr04	44506105	CC	AA	1940311509
SNP_P1_81309_44506432	NC_021163.1	Ca_kabuli_chr04	44506432	AA	CC	1940311511
SNP_P1_81310_44506477	NC_021163.1	Ca_kabuli_chr04	44506477	GG	CC	1940311512
SNP_P1_81311_44506559	NC_021163.1	Ca_kabuli_chr04	44506559	TT	GG	1940311514
SNP_P1_81312_44506720	NC_021163.1	Ca_kabuli_chr04	44506720	TT	CC	1940311516
SNP_P1_81314_44507168	NC_021163.1	Ca_kabuli_chr04	44507168	AA	GG	1940311517
SNP_P1_81315_44507396	NC_021163.1	Ca_kabuli_chr04	44507396	GG	AA	1940311519
SNP_P1_81316_44507496	NC_021163.1	Ca_kabuli_chr04	44507496	TT	AA	1940311521
SNP_P1_81317_44507520	NC_021163.1	Ca_kabuli_chr04	44507520	AA	CC	1940311522
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SNP_P1_81322_44507910	NC_021163.1	Ca_kabuli_chr04	44507910	TT	AA	1940311526
SNP_P1_81323_44507915	NC_021163.1	Ca_kabuli_chr04	44507915	AA	GG	1940311527
SNP_P1_81325_44507952	NC_021163.1	Ca_kabuli_chr04	44507952	AA	TT	1940311529
SNP_P1_81326_44507984	NC_021163.1	Ca_kabuli_chr04	44507984	TT	CC	1940311531
SNP_P1_81327_44508098	NC_021163.1	Ca_kabuli_chr04	44508098	CC	GG	1940311532
SNP_P1_81328_44508115	NC_021163.1	Ca_kabuli_chr04	44508115	CC	TT	1940311534
SNP_P1_81329_44508139	NC_021163.1	Ca_kabuli_chr04	44508139	AA	GG	1940311536
SNP_P1_81331_44508337	NC_021163.1	Ca_kabuli_chr04	44508337	GG	AA	1940311537
SNP_P1_81332_44508814	NC_021163.1	Ca_kabuli_chr04	44508814	GG	TT	1940311539

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81335_44508991	NC_021163.1	Ca_kabuli_chr04	44508991	TT	AA	1940311544
SNP_P1_81337_44509221	NC_021163.1	Ca_kabuli_chr04	44509221	CC	AA	1940311546
SNP_P1_81338_44509547	NC_021163.1	Ca_kabuli_chr04	44509547	AA	GG	1940311547
SNP_P1_81339_44509584	NC_021163.1	Ca_kabuli_chr04	44509584	CC	AA	1940311549
SNP_P1_81340_44509589	NC_021163.1	Ca_kabuli_chr04	44509589	TT	CC	1940311551
SNP_P1_81341_44509702	NC_021163.1	Ca_kabuli_chr04	44509702	TT	GG	1940311552
SNP_P1_81342_44510392	NC_021163.1	Ca_kabuli_chr04	44510392	CC	AA	1940311554
SNP_P1_81343_44510404	NC_021163.1	Ca_kabuli_chr04	44510404	TT	AA	1940311556
SNP_P1_81344_44510573	NC_021163.1	Ca_kabuli_chr04	44510573	GG	AA	1940311558
SNP_P1_81345_44510586	NC_021163.1	Ca_kabuli_chr04	44510586	AA	CC	1940311559
SNP_P1_81346_44511295	NC_021163.1	Ca_kabuli_chr04	44511295	CC	TT	1940311561
SNP_P1_81347_44511325	NC_021163.1	Ca_kabuli_chr04	44511325	TT	CC	1940311563
SNP_P1_81349_44511435	NC_021163.1	Ca_kabuli_chr04	44511435	AA	CC	1940311564
SNP_P1_81350_44511477	NC_021163.1	Ca_kabuli_chr04	44511477	TT	CC	1940311566
SNP_P1_81351_44511691	NC_021163.1	Ca_kabuli_chr04	44511691	AA	TT	1940311568
SNP_P1_81352_44511825	NC_021163.1	Ca_kabuli_chr04	44511825	TT	CC	1940311569
SNP_P1_81353_44511862	NC_021163.1	Ca_kabuli_chr04	44511862	GG	TT	1940311571
SNP_P1_81354_44511867	NC_021163.1	Ca_kabuli_chr04	44511867	AA	GG	1940311573
SNP_P1_81355_44512089	NC_021163.1	Ca_kabuli_chr04	44512089	GG	AA	1940311574
SNP_P1_81356_44512091	NC_021163.1	Ca_kabuli_chr04	44512091	AA	CC	1940311576
SNP_P1_81357_44512145	NC_021163.1	Ca_kabuli_chr04	44512145	AA	GG	1940311578
SNP_P1_81358_44513092	NC_021163.1	Ca_kabuli_chr04	44513092	GG	CC	1940311579
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SNP_P1_81360_44513116	NC_021163.1	Ca_kabuli_chr04	44513116	TT	CC	1940311583
SNP_P1_81361_44513125	NC_021163.1	Ca_kabuli_chr04	44513125	CC	AA	1940311584
SNP_P1_81363_44513423	NC_021163.1	Ca_kabuli_chr04	44513423	CC	TT	1940311586
SNP_P1_81364_44513553	NC_021163.1	Ca_kabuli_chr04	44513553	AA	TT	1940311588
SNP_P1_81365_44513566	NC_021163.1	Ca_kabuli_chr04	44513566	TT	CC	1940311589
SNP_P1_81366_44513602	NC_021163.1	Ca_kabuli_chr04	44513602	TT	CC	1940311591
SNP_P1_81368_44513780	NC_021163.1	Ca_kabuli_chr04	44513780	GG	TT	1940311593
SNP_P1_81369_44514130	NC_021163.1	Ca_kabuli_chr04	44514130	TT	GG	1940311594
SNP_P1_81370_44514344	NC_021163.1	Ca_kabuli_chr04	44514344	TT	AA	1940311596
SNP_P1_81372_44514742	NC_021163.1	Ca_kabuli_chr04	44514742	CC	TT	1940311598
SNP_P1_81373_44514744	NC_021163.1	Ca_kabuli_chr04	44514744	CC	TT	1940311599
SNP_P1_81374_44514917	NC_021163.1	Ca_kabuli_chr04	44514917	GG	AA	1940311601
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SNP_P1_81376_44515009	NC_021163.1	Ca_kabuli_chr04	44515009	CC	TT	1940311604
SNP_P1_81377_44515120	NC_021163.1	Ca_kabuli_chr04	44515120	TT	AA	1940311606
SNP_P1_81378_44515182	NC_021163.1	Ca_kabuli_chr04	44515182	CC	TT	1940311608
SNP_P1_81379_44515240	NC_021163.1	Ca_kabuli_chr04	44515240	TT	GG	1940311609

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81381_44515693	NC_021163.1	Ca_kabuli_chr04	44515693	GG	AA	1940311613
SNP_P1_81382_44515722	NC_021163.1	Ca_kabuli_chr04	44515722	CC	TT	1940311614
SNP_P1_81383_44515803	NC_021163.1	Ca_kabuli_chr04	44515803	GG	AA	1940311616
SNP_P1_81384_44515820	NC_021163.1	Ca_kabuli_chr04	44515820	TT	CC	1940311618
SNP_P1_81385_44516021	NC_021163.1	Ca_kabuli_chr04	44516021	TT	GG	1940311619
SNP_P1_81386_44517024	NC_021163.1	Ca_kabuli_chr04	44517024	CC	TT	1940311621
SNP_P1_81387_44517308	NC_021163.1	Ca_kabuli_chr04	44517308	CC	TT	1940311623
SNP_P1_81388_44517367	NC_021163.1	Ca_kabuli_chr04	44517367	CC	TT	1940311624
SNP_P1_81389_44517370	NC_021163.1	Ca_kabuli_chr04	44517370	GG	AA	1940311626
SNP_P1_81390_44517566	NC_021163.1	Ca_kabuli_chr04	44517566	GG	AA	1940311628
SNP_P1_81391_44517729	NC_021163.1	Ca_kabuli_chr04	44517729	AA	GG	1940311629
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SNP_P1_81394_44518225	NC_021163.1	Ca_kabuli_chr04	44518225	CC	TT	1940311635
SNP_P1_81395_44519190	NC_021163.1	Ca_kabuli_chr04	44519190	CC	TT	1940311636
SNP_P1_81396_44519506	NC_021163.1	Ca_kabuli_chr04	44519506	AA	GG	1940311638
SNP_P1_81397_44519511	NC_021163.1	Ca_kabuli_chr04	44519511	AA	GG	1940311640
SNP_P1_81398_44519525	NC_021163.1	Ca_kabuli_chr04	44519525	CC	TT	1940311641
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SNP_P1_81402_44521644	NC_021163.1	Ca_kabuli_chr04	44521644	CC	TT	1940311648
SNP_P1_81403_44522218	NC_021163.1	Ca_kabuli_chr04	44522218	AA	GG	1940311650
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SNP_P1_81411_44523978	NC_021163.1	Ca_kabuli_chr04	44523978	CC	AA	1940311656
SNP_P1_81412_44523998	NC_021163.1	Ca_kabuli_chr04	44523998	AA	GG	1940311658
SNP_P1_81413_44524708	NC_021163.1	Ca_kabuli_chr04	44524708	AA	TT	1940311660
SNP_P1_81414_44524884	NC_021163.1	Ca_kabuli_chr04	44524884	CC	TT	1940311661
SNP_P1_81417_44525352	NC_021163.1	Ca_kabuli_chr04	44525352	CC	AA	1940311663
SNP_P1_81418_44525635	NC_021163.1	Ca_kabuli_chr04	44525635	TT	CC	1940311665
SNP_P1_81420_44527162	NC_021163.1	Ca_kabuli_chr04	44527162	CC	AA	1940311666
SNP_P1_81421_44529202	NC_021163.1	Ca_kabuli_chr04	44529202	AA	GG	1940311668
SNP_P1_81422_44529420	NC_021163.1	Ca_kabuli_chr04	44529420	TT	AA	1940311670
SNP_P1_81425_44532806	NC_021163.1	Ca_kabuli_chr04	44532806	GG	CC	1940311671
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SNP_P1_81427_44533027	NC_021163.1	Ca_kabuli_chr04	44533027	AA	TT	1940311675
SNP_P1_81428_44533040	NC_021163.1	Ca_kabuli_chr04	44533040	GG	AA	1940311676
SNP_P1_81429_44533055	NC_021163.1	Ca_kabuli_chr04	44533055	CC	TT	1940311678
SNP_P1_81430_44533088	NC_021163.1	Ca_kabuli_chr04	44533088	TT	AA	1940311680

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81437_44540432	NC_021163.1	Ca_kabuli_chr04	44540432	CC	TT	1940311685
SNP_P1_81438_44540438	NC_021163.1	Ca_kabuli_chr04	44540438	AA	GG	1940311686
SNP_P1_81439_44540440	NC_021163.1	Ca_kabuli_chr04	44540440	CC	TT	1940311688
SNP_P1_81440_44540442	NC_021163.1	Ca_kabuli_chr04	44540442	GG	AA	1940311690
SNP_P1_81441_44540495	NC_021163.1	Ca_kabuli_chr04	44540495	TT	GG	1940311691
SNP_P1_81442_44540788	NC_021163.1	Ca_kabuli_chr04	44540788	TT	CC	1940311693
SNP_P1_81443_44540789	NC_021163.1	Ca_kabuli_chr04	44540789	AA	GG	1940311695
SNP_P1_81444_44540792	NC_021163.1	Ca_kabuli_chr04	44540792	TT	CC	1940311696
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SNP_P1_81451_44543492	NC_021163.1	Ca_kabuli_chr04	44543492	GG	CC	1940311708
SNP_P1_81452_44543510	NC_021163.1	Ca_kabuli_chr04	44543510	AA	GG	1940311710
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SNP_P1_81457_44543707	NC_021163.1	Ca_kabuli_chr04	44543707	AA	CC	1940311717
SNP_P1_81458_44543721	NC_021163.1	Ca_kabuli_chr04	44543721	GG	AA	1940311718
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SNP_P1_81460_44543821	NC_021163.1	Ca_kabuli_chr04	44543821	CC	TT	1940311722
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SNP_P1_81466_44543912	NC_021163.1	Ca_kabuli_chr04	44543912	TT	AA	1940311732
SNP_P1_81467_44543916	NC_021163.1	Ca_kabuli_chr04	44543916	AA	CC	1940311733
SNP_P1_81468_44543924	NC_021163.1	Ca_kabuli_chr04	44543924	GG	AA	1940311735
SNP_P1_81469_44543974	NC_021163.1	Ca_kabuli_chr04	44543974	CC	GG	1940311737
SNP_P1_81470_44543977	NC_021163.1	Ca_kabuli_chr04	44543977	GG	AA	1940311738
SNP_P1_81471_44543998	NC_021163.1	Ca_kabuli_chr04	44543998	GG	AA	1940311740
SNP_P1_81472_44543999	NC_021163.1	Ca_kabuli_chr04	44543999	GG	AA	1940311742
SNP_P1_81473_44544442	NC_021163.1	Ca_kabuli_chr04	44544442	TT	AA	1940311743
SNP_P1_81474_44544469	NC_021163.1	Ca_kabuli_chr04	44544469	GG	TT	1940311745
SNP_P1_81475_44544548	NC_021163.1	Ca_kabuli_chr04	44544548	GG	CC	1940311747
SNP_P1_81477_44544853	NC_021163.1	Ca_kabuli_chr04	44544853	TT	CC	1940311748
SNP_P1_81478_44545089	NC_021163.1	Ca_kabuli_chr04	44545089	TT	CC	1940311750

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_81479_44546054	NC_021163.1	Ca_kabuli_chr04	44546054	GG	AA	1940311752
SNP_P1_81480_44546317	NC_021163.1	Ca_kabuli_chr04	44546317	AA	GG	1940311753
SNP_P1_81481_44546333	NC_021163.1	Ca_kabuli_chr04	44546333	CC	TT	1940311755
SNP_P1_81482_44546393	NC_021163.1	Ca_kabuli_chr04	44546393	CC	TT	1940311757
SNP_P1_81483_44546395	NC_021163.1	Ca_kabuli_chr04	44546395	AA	GG	1940311758
SNP_P1_81484_44546398	NC_021163.1	Ca_kabuli_chr04	44546398	AA	GG	1940311760
SNP_P1_81485_44548080	NC_021163.1	Ca_kabuli_chr04	44548080	AA	CC	1940311762
SNP_P1_81486_44548204	NC_021163.1	Ca_kabuli_chr04	44548204	AA	GG	1940311763
SNP_P1_81487_44548226	NC_021163.1	Ca_kabuli_chr04	44548226	GG	AA	1940311765
SNP_P1_81488_44548422	NC_021163.1	Ca_kabuli_chr04	44548422	GG	AA	1940311767
SNP_P1_81490_44548725	NC_021163.1	Ca_kabuli_chr04	44548725	CC	GG	1940311768
SNP_P1_81491_44548941	NC_021163.1	Ca_kabuli_chr04	44548941	GG	AA	1940311770
SNP_P1_81492_44549250	NC_021163.1	Ca_kabuli_chr04	44549250	TT	CC	1940311772
SNP_P1_81493_44549747	NC_021163.1	Ca_kabuli_chr04	44549747	CC	TT	1940311773
SNP_P1_81494_44549751	NC_021163.1	Ca_kabuli_chr04	44549751	AA	GG	1940311775
SNP_P1_81495_44550135	NC_021163.1	Ca_kabuli_chr04	44550135	TT	CC	1940311777
SNP_P1_81496_44550168	NC_021163.1	Ca_kabuli_chr04	44550168	CC	AA	1940311778
SNP_P1_81497_44550443	NC_021163.1	Ca_kabuli_chr04	44550443	AA	GG	1940311780
SNP_P1_81498_44550891	NC_021163.1	Ca_kabuli_chr04	44550891	TT	CC	1940311782
SNP_P1_81499_44550920	NC_021163.1	Ca_kabuli_chr04	44550920	GG	TT	1940311784
SNP_P1_81500_44550985	NC_021163.1	Ca_kabuli_chr04	44550985	GG	TT	1940311785
SNP_P1_81501_44551042	NC_021163.1	Ca_kabuli_chr04	44551042	CC	AA	1940311787
SNP_P1_81502_44551046	NC_021163.1	Ca_kabuli_chr04	44551046	TT	AA	1940311789
SNP_P1_81503_44551063	NC_021163.1	Ca_kabuli_chr04	44551063	AA	GG	1940311790
SNP_P1_81504_44551324	NC_021163.1	Ca_kabuli_chr04	44551324	GG	AA	1940311792
SNP_P1_81507_44551473	NC_021163.1	Ca_kabuli_chr04	44551473	CC	AA	1940311794
SNP_P1_81508_44551551	NC_021163.1	Ca_kabuli_chr04	44551551	AA	GG	1940311795
SNP_P1_81509_44551998	NC_021163.1	Ca_kabuli_chr04	44551998	TT	CC	1940311797
SNP_P1_81510_44552027	NC_021163.1	Ca_kabuli_chr04	44552027	CC	TT	1940311799
SNP_P1_81511_44552050	NC_021163.1	Ca_kabuli_chr04	44552050	CC	TT	1940311800
SNP_P1_81512_44552886	NC_021163.1	Ca_kabuli_chr04	44552886	TT	CC	1940311802
SNP_P1_81513_44552928	NC_021163.1	Ca_kabuli_chr04	44552928	AA	GG	1940311804
SNP_P1_81514_44552936	NC_021163.1	Ca_kabuli_chr04	44552936	TT	CC	1940311805
SNP_P1_81515_44552966	NC_021163.1	Ca_kabuli_chr04	44552966	GG	AA	1940311807
SNP_P1_81516_44553043	NC_021163.1	Ca_kabuli_chr04	44553043	CC	GG	1940311809
SNP_P1_81517_44553281	NC_021163.1	Ca_kabuli_chr04	44553281	AA	CC	1940311810
SNP_P1_81518_44553282	NC_021163.1	Ca_kabuli_chr04	44553282	AA	CC	1940311812
SNP_P1_81519_44553665	NC_021163.1	Ca_kabuli_chr04	44553665	GG	AA	1940311814
SNP_P1_81520_44553940	NC_021163.1	Ca_kabuli_chr04	44553940	GG	AA	1940311815
SNP_P1_81521_44553973	NC_021163.1	Ca_kabuli_chr04	44553973	CC	TT	1940311817
SNP_P1_81522_44554094	NC_021163.1	Ca_kabuli_chr04	44554094	CC	TT	1940311819
SNP_P1_81523_44554268	NC_021163.1	Ca_kabuli_chr04	44554268	CC	TT	1940311820

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81525_44554271	NC_021163.1	Ca_kabuli_chr04	44554271	AA	GG	1940311824
SNP_P1_81526_44554318	NC_021163.1	Ca_kabuli_chr04	44554318	AA	GG	1940311825
SNP_P1_81527_44554430	NC_021163.1	Ca_kabuli_chr04	44554430	GG	AA	1940311827
SNP_P1_81529_44557471	NC_021163.1	Ca_kabuli_chr04	44557471	GG	AA	1940311829
SNP_P1_81530_44557856	NC_021163.1	Ca_kabuli_chr04	44557856	GG	AA	1940311830
SNP_P1_81531_44558929	NC_021163.1	Ca_kabuli_chr04	44558929	TT	GG	1940311832
SNP_P1_81532_44559167	NC_021163.1	Ca_kabuli_chr04	44559167	TT	AA	1940311834
SNP_P1_81533_44559172	NC_021163.1	Ca_kabuli_chr04	44559172	CC	GG	1940311835
SNP_P1_81534_44559193	NC_021163.1	Ca_kabuli_chr04	44559193	GG	CC	1940311837
SNP_P1_81535_44559626	NC_021163.1	Ca_kabuli_chr04	44559626	GG	AA	1940311839
SNP_P1_81536_44559695	NC_021163.1	Ca_kabuli_chr04	44559695	TT	GG	1940311840
SNP_P1_81537_44559697	NC_021163.1	Ca_kabuli_chr04	44559697	CC	TT	1940311842
SNP_P1_81539_44560410	NC_021163.1	Ca_kabuli_chr04	44560410	CC	TT	1940311844
SNP_P1_81540_44560583	NC_021163.1	Ca_kabuli_chr04	44560583	GG	CC	1940311845
SNP_P1_81541_44560742	NC_021163.1	Ca_kabuli_chr04	44560742	GG	AA	1940311847
SNP_P1_81543_44560995	NC_021163.1	Ca_kabuli_chr04	44560995	CC	AA	1940311849
SNP_P1_81544_44561046	NC_021163.1	Ca_kabuli_chr04	44561046	CC	TT	1940311850
SNP_P1_81545_44561219	NC_021163.1	Ca_kabuli_chr04	44561219	CC	TT	1940311852
SNP_P1_81546_44561247	NC_021163.1	Ca_kabuli_chr04	44561247	GG	CC	1940311854
SNP_P1_81547_44561295	NC_021163.1	Ca_kabuli_chr04	44561295	AA	GG	1940311855
SNP_P1_81548_44561296	NC_021163.1	Ca_kabuli_chr04	44561296	TT	AA	1940311857
SNP_P1_81549_44561347	NC_021163.1	Ca_kabuli_chr04	44561347	TT	AA	1940311859
SNP_P1_81550_44561498	NC_021163.1	Ca_kabuli_chr04	44561498	CC	TT	1940311860
SNP_P1_81551_44561544	NC_021163.1	Ca_kabuli_chr04	44561544	TT	AA	1940311862
SNP_P1_81552_44563477	NC_021163.1	Ca_kabuli_chr04	44563477	GG	AA	1940311864
SNP_P1_81553_44563479	NC_021163.1	Ca_kabuli_chr04	44563479	CC	AA	1940311865
SNP_P1_81555_44563558	NC_021163.1	Ca_kabuli_chr04	44563558	TT	GG	1940311867
SNP_P1_81557_44564710	NC_021163.1	Ca_kabuli_chr04	44564710	AA	CC	1940311869
SNP_P1_81558_44564745	NC_021163.1	Ca_kabuli_chr04	44564745	TT	CC	1940311871
SNP_P1_81559_44565075	NC_021163.1	Ca_kabuli_chr04	44565075	AA	TT	1940311872
SNP_P1_81560_44565360	NC_021163.1	Ca_kabuli_chr04	44565360	AA	GG	1940311874
SNP_P1_81561_44565438	NC_021163.1	Ca_kabuli_chr04	44565438	AA	TT	1940311876
SNP_P1_81562_44565469	NC_021163.1	Ca_kabuli_chr04	44565469	TT	CC	1940311877
SNP_P1_81563_44565488	NC_021163.1	Ca_kabuli_chr04	44565488	AA	TT	1940311879
SNP_P1_81564_44565491	NC_021163.1	Ca_kabuli_chr04	44565491	AA	GG	1940311881
SNP_P1_81565_44565507	NC_021163.1	Ca_kabuli_chr04	44565507	GG	AA	1940311882
SNP_P1_81566_44565564	NC_021163.1	Ca_kabuli_chr04	44565564	AA	GG	1940311884
SNP_P1_81567_44565568	NC_021163.1	Ca_kabuli_chr04	44565568	TT	GG	1940311886
SNP_P1_81568_44565574	NC_021163.1	Ca_kabuli_chr04	44565574	GG	AA	1940311887
SNP_P1_81569_44566415	NC_021163.1	Ca_kabuli_chr04	44566415	TT	AA	1940311889
SNP_P1_81570_44566430	NC_021163.1	Ca_kabuli_chr04	44566430	GG	TT	1940311891

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81572_44567080	NC_021163.1	Ca_kabuli_chr04	44567080	TT	CC	1940311894
SNP_P1_81573_44567129	NC_021163.1	Ca_kabuli_chr04	44567129	TT	AA	1940311896
SNP_P1_81574_44567465	NC_021163.1	Ca_kabuli_chr04	44567465	TT	AA	1940311897
SNP_P1_81575_44570901	NC_021163.1	Ca_kabuli_chr04	44570901	TT	AA	1940311899
SNP_P1_81576_44570902	NC_021163.1	Ca_kabuli_chr04	44570902	GG	TT	1940311901
SNP_P1_81577_44570969	NC_021163.1	Ca_kabuli_chr04	44570969	CC	TT	1940311902
SNP_P1_81579_44571724	NC_021163.1	Ca_kabuli_chr04	44571724	CC	TT	1940311904
SNP_P1_81580_44571774	NC_021163.1	Ca_kabuli_chr04	44571774	TT	CC	1940311906
SNP_P1_81581_44571941	NC_021163.1	Ca_kabuli_chr04	44571941	AA	CC	1940311907
SNP_P1_81582_44572458	NC_021163.1	Ca_kabuli_chr04	44572458	AA	CC	1940311909
SNP_P1_81583_44572684	NC_021163.1	Ca_kabuli_chr04	44572684	GG	AA	1940311911
SNP_P1_81584_44572728	NC_021163.1	Ca_kabuli_chr04	44572728	AA	GG	1940311912
SNP_P1_81585_44572931	NC_021163.1	Ca_kabuli_chr04	44572931	AA	CC	1940311914
SNP_P1_81586_44577184	NC_021163.1	Ca_kabuli_chr04	44577184	CC	GG	1940311916
SNP_P1_81587_44577361	NC_021163.1	Ca_kabuli_chr04	44577361	TT	GG	1940311917
SNP_P1_81588_44577376	NC_021163.1	Ca_kabuli_chr04	44577376	AA	GG	1940311919
SNP_P1_81589_44577406	NC_021163.1	Ca_kabuli_chr04	44577406	TT	CC	1940311921
SNP_P1_81590_44578275	NC_021163.1	Ca_kabuli_chr04	44578275	TT	CC	1940311922
SNP_P1_81591_44581500	NC_021163.1	Ca_kabuli_chr04	44581500	AA	TT	1940311924
SNP_P1_81593_44581960	NC_021163.1	Ca_kabuli_chr04	44581960	CC	TT	1940311926
SNP_P1_81594_44582660	NC_021163.1	Ca_kabuli_chr04	44582660	CC	AA	1940311927
SNP_P1_81595_44583448	NC_021163.1	Ca_kabuli_chr04	44583448	GG	CC	1940311929
SNP_P1_81596_44583733	NC_021163.1	Ca_kabuli_chr04	44583733	CC	TT	1940311931
SNP_P1_81597_44583741	NC_021163.1	Ca_kabuli_chr04	44583741	GG	AA	1940311932
SNP_P1_81598_44583743	NC_021163.1	Ca_kabuli_chr04	44583743	GG	TT	1940311934
SNP_P1_81599_44583755	NC_021163.1	Ca_kabuli_chr04	44583755	AA	GG	1940311936
SNP_P1_81600_44583760	NC_021163.1	Ca_kabuli_chr04	44583760	TT	CC	1940311938
SNP_P1_81601_44583762	NC_021163.1	Ca_kabuli_chr04	44583762	TT	CC	1940311939
SNP_P1_81602_44583763	NC_021163.1	Ca_kabuli_chr04	44583763	CC	TT	1940311941
SNP_P1_81603_44583767	NC_021163.1	Ca_kabuli_chr04	44583767	TT	CC	1940311943
SNP_P1_81604_44583781	NC_021163.1	Ca_kabuli_chr04	44583781	GG	AA	1940311944
SNP_P1_81605_44583787	NC_021163.1	Ca_kabuli_chr04	44583787	CC	TT	1940311946
SNP_P1_81606_44583803	NC_021163.1	Ca_kabuli_chr04	44583803	CC	TT	1940311948
SNP_P1_81607_44583811	NC_021163.1	Ca_kabuli_chr04	44583811	GG	AA	1940311949
SNP_P1_81608_44584056	NC_021163.1	Ca_kabuli_chr04	44584056	CC	TT	1940311951
SNP_P1_81609_44584084	NC_021163.1	Ca_kabuli_chr04	44584084	AA	GG	1940311952
SNP_P1_81610_44584465	NC_021163.1	Ca_kabuli_chr04	44584465	GG	AA	1940311954
SNP_P1_81611_44584484	NC_021163.1	Ca_kabuli_chr04	44584484	CC	TT	1940311956
SNP_P1_81612_44584496	NC_021163.1	Ca_kabuli_chr04	44584496	AA	CC	1940311958
SNP_P1_81613_44584515	NC_021163.1	Ca_kabuli_chr04	44584515	GG	AA	1940311959
SNP_P1_81614_44584550	NC_021163.1	Ca_kabuli_chr04	44584550	AA	GG	1940311961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81616_44584657	NC_021163.1	Ca_kabuli_chr04	44584657	TT	CC	1940311964
SNP_P1_81617_44584728	NC_021163.1	Ca_kabuli_chr04	44584728	TT	CC	1940311966
SNP_P1_81618_44584740	NC_021163.1	Ca_kabuli_chr04	44584740	CC	GG	1940311968
SNP_P1_81619_44584865	NC_021163.1	Ca_kabuli_chr04	44584865	TT	CC	1940311969
SNP_P1_81620_44584910	NC_021163.1	Ca_kabuli_chr04	44584910	GG	AA	1940311971
SNP_P1_81621_44584943	NC_021163.1	Ca_kabuli_chr04	44584943	TT	AA	1940311973
SNP_P1_81622_44584951	NC_021163.1	Ca_kabuli_chr04	44584951	AA	TT	1940311974
SNP_P1_81623_44584962	NC_021163.1	Ca_kabuli_chr04	44584962	CC	TT	1940311976
SNP_P1_81624_44585327	NC_021163.1	Ca_kabuli_chr04	44585327	CC	TT	1940311978
SNP_P1_81625_44585359	NC_021163.1	Ca_kabuli_chr04	44585359	GG	CC	1940311979
SNP_P1_81626_44585383	NC_021163.1	Ca_kabuli_chr04	44585383	GG	AA	1940311981
SNP_P1_81627_44585485	NC_021163.1	Ca_kabuli_chr04	44585485	AA	TT	1940311983
SNP_P1_81628_44585491	NC_021163.1	Ca_kabuli_chr04	44585491	TT	CC	1940311984
SNP_P1_81629_44587929	NC_021163.1	Ca_kabuli_chr04	44587929	TT	AA	1940311986
SNP_P1_81630_44587977	NC_021163.1	Ca_kabuli_chr04	44587977	CC	TT	1940311988
SNP_P1_81631_44588136	NC_021163.1	Ca_kabuli_chr04	44588136	CC	AA	1940311989
SNP_P1_81632_44588199	NC_021163.1	Ca_kabuli_chr04	44588199	TT	CC	1940311991
SNP_P1_81633_44588740	NC_021163.1	Ca_kabuli_chr04	44588740	GG	TT	1940311993
SNP_P1_81634_44589930	NC_021163.1	Ca_kabuli_chr04	44589930	CC	GG	1940311995
SNP_P1_81635_44590209	NC_021163.1	Ca_kabuli_chr04	44590209	AA	GG	1940311996
SNP_P1_81636_44590214	NC_021163.1	Ca_kabuli_chr04	44590214	TT	GG	1940311998
SNP_P1_81637_44590678	NC_021163.1	Ca_kabuli_chr04	44590678	GG	AA	1940312000
SNP_P1_81638_44591657	NC_021163.1	Ca_kabuli_chr04	44591657	TT	CC	1940312001
SNP_P1_81640_44592247	NC_021163.1	Ca_kabuli_chr04	44592247	GG	TT	1940312003
SNP_P1_81641_44592470	NC_021163.1	Ca_kabuli_chr04	44592470	CC	TT	1940312005
SNP_P1_81642_44593445	NC_021163.1	Ca_kabuli_chr04	44593445	CC	TT	1940312006
SNP_P1_81643_44594447	NC_021163.1	Ca_kabuli_chr04	44594447	TT	AA	1940312008
SNP_P1_81644_44594976	NC_021163.1	Ca_kabuli_chr04	44594976	TT	CC	1940312010
SNP_P1_81645_44595014	NC_021163.1	Ca_kabuli_chr04	44595014	TT	CC	1940312011
SNP_P1_81646_44598777	NC_021163.1	Ca_kabuli_chr04	44598777	AA	GG	1940312013
SNP_P1_81647_44598809	NC_021163.1	Ca_kabuli_chr04	44598809	AA	GG	1940312015
SNP_P1_81648_44598882	NC_021163.1	Ca_kabuli_chr04	44598882	TT	GG	1940312016
SNP_P1_81649_44598958	NC_021163.1	Ca_kabuli_chr04	44598958	TT	CC	1940312018
SNP_P1_81650_44598961	NC_021163.1	Ca_kabuli_chr04	44598961	GG	AA	1940312020
SNP_P1_81651_44598987	NC_021163.1	Ca_kabuli_chr04	44598987	CC	AA	1940312021
SNP_P1_81652_44599077	NC_021163.1	Ca_kabuli_chr04	44599077	GG	AA	1940312023
SNP_P1_81653_44599132	NC_021163.1	Ca_kabuli_chr04	44599132	TT	CC	1940312025
SNP_P1_81654_44599707	NC_021163.1	Ca_kabuli_chr04	44599707	TT	CC	1940312026
SNP_P1_81655_44599713	NC_021163.1	Ca_kabuli_chr04	44599713	CC	TT	1940312028
SNP_P1_81656_44599715	NC_021163.1	Ca_kabuli_chr04	44599715	AA	GG	1940312030
SNP_P1_81657_44599729	NC_021163.1	Ca_kabuli_chr04	44599729	GG	AA	1940312031

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81659_44599780	NC_021163.1	Ca_kabuli_chr04	44599780	AA	GG	1940312035
SNP_P1_81660_44599976	NC_021163.1	Ca_kabuli_chr04	44599976	AA	TT	1940312036
SNP_P1_81661_44599993	NC_021163.1	Ca_kabuli_chr04	44599993	AA	GG	1940312038
SNP_P1_81662_44600000	NC_021163.1	Ca_kabuli_chr04	44600000	CC	TT	1940312040
SNP_P1_81663_44601078	NC_021163.1	Ca_kabuli_chr04	44601078	GG	TT	1940312041
SNP_P1_81664_44601559	NC_021163.1	Ca_kabuli_chr04	44601559	CC	TT	1940312043
SNP_P1_81665_44601747	NC_021163.1	Ca_kabuli_chr04	44601747	AA	CC	1940312045
SNP_P1_81666_44602235	NC_021163.1	Ca_kabuli_chr04	44602235	TT	GG	1940312046
SNP_P1_81667_44602460	NC_021163.1	Ca_kabuli_chr04	44602460	GG	AA	1940312048
SNP_P1_81668_44602708	NC_021163.1	Ca_kabuli_chr04	44602708	AA	GG	1940312050
SNP_P1_81669_44602719	NC_021163.1	Ca_kabuli_chr04	44602719	AA	GG	1940312051
SNP_P1_81670_44602906	NC_021163.1	Ca_kabuli_chr04	44602906	CC	TT	1940312053
SNP_P1_81671_44603009	NC_021163.1	Ca_kabuli_chr04	44603009	CC	GG	1940312055
SNP_P1_81672_44603479	NC_021163.1	Ca_kabuli_chr04	44603479	GG	TT	1940312056
SNP_P1_81673_44603525	NC_021163.1	Ca_kabuli_chr04	44603525	GG	TT	1940312058
SNP_P1_81674_44603527	NC_021163.1	Ca_kabuli_chr04	44603527	CC	TT	1940312060
SNP_P1_81675_44603538	NC_021163.1	Ca_kabuli_chr04	44603538	AA	GG	1940312061
SNP_P1_81676_44603813	NC_021163.1	Ca_kabuli_chr04	44603813	CC	AA	1940312063
SNP_P1_81677_44604019	NC_021163.1	Ca_kabuli_chr04	44604019	GG	CC	1940312065
SNP_P1_81678_44604029	NC_021163.1	Ca_kabuli_chr04	44604029	CC	AA	1940312066
SNP_P1_81679_44605039	NC_021163.1	Ca_kabuli_chr04	44605039	TT	AA	1940312068
SNP_P1_81681_44606713	NC_021163.1	Ca_kabuli_chr04	44606713	CC	TT	1940312070
SNP_P1_81682_44606779	NC_021163.1	Ca_kabuli_chr04	44606779	GG	AA	1940312071
SNP_P1_81684_44606821	NC_021163.1	Ca_kabuli_chr04	44606821	AA	GG	1940312073
SNP_P1_81685_44606942	NC_021163.1	Ca_kabuli_chr04	44606942	TT	CC	1940312075
SNP_P1_81686_44606952	NC_021163.1	Ca_kabuli_chr04	44606952	GG	AA	1940312076
SNP_P1_81687_44606993	NC_021163.1	Ca_kabuli_chr04	44606993	TT	CC	1940312078
SNP_P1_81689_44607024	NC_021163.1	Ca_kabuli_chr04	44607024	AA	GG	1940312080
SNP_P1_81690_44607232	NC_021163.1	Ca_kabuli_chr04	44607232	AA	GG	1940312081
SNP_P1_81691_44607308	NC_021163.1	Ca_kabuli_chr04	44607308	AA	GG	1940312083
SNP_P1_81692_44607529	NC_021163.1	Ca_kabuli_chr04	44607529	TT	CC	1940312085
SNP_P1_81693_44607559	NC_021163.1	Ca_kabuli_chr04	44607559	GG	CC	1940312086
SNP_P1_81695_44607717	NC_021163.1	Ca_kabuli_chr04	44607717	AA	GG	1940312088
SNP_P1_81696_44607856	NC_021163.1	Ca_kabuli_chr04	44607856	AA	GG	1940312090
SNP_P1_81697_44607877	NC_021163.1	Ca_kabuli_chr04	44607877	TT	CC	1940312091
SNP_P1_81698_44607891	NC_021163.1	Ca_kabuli_chr04	44607891	GG	AA	1940312093
SNP_P1_81700_44607966	NC_021163.1	Ca_kabuli_chr04	44607966	CC	TT	1940312095
SNP_P1_81701_44607982	NC_021163.1	Ca_kabuli_chr04	44607982	CC	TT	1940312096
SNP_P1_81702_44608020	NC_021163.1	Ca_kabuli_chr04	44608020	CC	TT	1940312098
SNP_P1_81703_44608028	NC_021163.1	Ca_kabuli_chr04	44608028	CC	TT	1940312100
SNP_P1_81704_44608054	NC_021163.1	Ca_kabuli_chr04	44608054	GG	TT	1940312102

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81707_44608259	NC_021163.1	Ca_kabuli_chr04	44608259	CC	TT	1940312107
SNP_P1_81708_44608895	NC_021163.1	Ca_kabuli_chr04	44608895	TT	CC	1940312108
SNP_P1_81709_44608968	NC_021163.1	Ca_kabuli_chr04	44608968	TT	CC	1940312110
SNP_P1_81710_44608970	NC_021163.1	Ca_kabuli_chr04	44608970	CC	TT	1940312112
SNP_P1_81711_44609137	NC_021163.1	Ca_kabuli_chr04	44609137	TT	GG	1940312113
SNP_P1_81712_44609156	NC_021163.1	Ca_kabuli_chr04	44609156	CC	TT	1940312115
SNP_P1_81713_44609159	NC_021163.1	Ca_kabuli_chr04	44609159	AA	CC	1940312117
SNP_P1_81714_44609215	NC_021163.1	Ca_kabuli_chr04	44609215	AA	GG	1940312118
SNP_P1_81715_44609491	NC_021163.1	Ca_kabuli_chr04	44609491	CC	TT	1940312120
SNP_P1_81716_44609654	NC_021163.1	Ca_kabuli_chr04	44609654	CC	TT	1940312122
SNP_P1_81717_44609834	NC_021163.1	Ca_kabuli_chr04	44609834	CC	TT	1940312123
SNP_P1_81718_44609838	NC_021163.1	Ca_kabuli_chr04	44609838	GG	TT	1940312125
SNP_P1_81719_44609894	NC_021163.1	Ca_kabuli_chr04	44609894	TT	AA	1940312127
SNP_P1_81720_44609920	NC_021163.1	Ca_kabuli_chr04	44609920	CC	AA	1940312128
SNP_P1_81721_44609998	NC_021163.1	Ca_kabuli_chr04	44609998	CC	TT	1940312130
SNP_P1_81722_44610000	NC_021163.1	Ca_kabuli_chr04	44610000	CC	AA	1940312132
SNP_P1_81723_44610002	NC_021163.1	Ca_kabuli_chr04	44610002	AA	GG	1940312133
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SNP_P1_81726_44611734	NC_021163.1	Ca_kabuli_chr04	44611734	AA	GG	1940312137
SNP_P1_81727_44611769	NC_021163.1	Ca_kabuli_chr04	44611769	TT	CC	1940312139
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SNP_P1_81734_44612146	NC_021163.1	Ca_kabuli_chr04	44612146	CC	TT	1940312149
SNP_P1_81735_44612149	NC_021163.1	Ca_kabuli_chr04	44612149	AA	GG	1940312150
SNP_P1_81736_44612230	NC_021163.1	Ca_kabuli_chr04	44612230	CC	AA	1940312152
SNP_P1_81737_44612367	NC_021163.1	Ca_kabuli_chr04	44612367	GG	TT	1940312154
SNP_P1_81738_44612388	NC_021163.1	Ca_kabuli_chr04	44612388	CC	AA	1940312155
SNP_P1_81739_44612489	NC_021163.1	Ca_kabuli_chr04	44612489	TT	AA	1940312157
SNP_P1_81740_44612549	NC_021163.1	Ca_kabuli_chr04	44612549	TT	GG	1940312159
SNP_P1_81741_44612574	NC_021163.1	Ca_kabuli_chr04	44612574	AA	TT	1940312160
SNP_P1_81742_44612818	NC_021163.1	Ca_kabuli_chr04	44612818	CC	TT	1940312162
SNP_P1_81743_44612850	NC_021163.1	Ca_kabuli_chr04	44612850	TT	CC	1940312164
SNP_P1_81744_44612917	NC_021163.1	Ca_kabuli_chr04	44612917	GG	TT	1940312165
SNP_P1_81745_44612969	NC_021163.1	Ca_kabuli_chr04	44612969	TT	AA	1940312167
SNP_P1_81747_44613638	NC_021163.1	Ca_kabuli_chr04	44613638	CC	TT	1940312169
SNP_P1_81749_44614112	NC_021163.1	Ca_kabuli_chr04	44614112	AA	CC	1940312170
SNP_P1_81751_44616351	NC_021163.1	Ca_kabuli_chr04	44616351	CC	TT	1940312172

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81753_44616422	NC_021163.1	Ca_kabuli_chr04	44616422	AA	TT	1940312175
SNP_P1_81754_44616423	NC_021163.1	Ca_kabuli_chr04	44616423	CC	TT	1940312177
SNP_P1_81755_44616564	NC_021163.1	Ca_kabuli_chr04	44616564	TT	CC	1940312179
SNP_P1_81756_44616618	NC_021163.1	Ca_kabuli_chr04	44616618	GG	TT	1940312180
SNP_P1_81757_44616883	NC_021163.1	Ca_kabuli_chr04	44616883	AA	GG	1940312182
SNP_P1_81758_44617619	NC_021163.1	Ca_kabuli_chr04	44617619	CC	TT	1940312184
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SNP_P1_81760_44617800	NC_021163.1	Ca_kabuli_chr04	44617800	AA	GG	1940312187
SNP_P1_81761_44618814	NC_021163.1	Ca_kabuli_chr04	44618814	TT	AA	1940312189
SNP_P1_81762_44618915	NC_021163.1	Ca_kabuli_chr04	44618915	CC	AA	1940312190
SNP_P1_81763_44621446	NC_021163.1	Ca_kabuli_chr04	44621446	AA	GG	1940312192
SNP_P1_81764_44621671	NC_021163.1	Ca_kabuli_chr04	44621671	CC	GG	1940312194
SNP_P1_81765_44621685	NC_021163.1	Ca_kabuli_chr04	44621685	AA	TT	1940312195
SNP_P1_81766_44621802	NC_021163.1	Ca_kabuli_chr04	44621802	TT	CC	1940312197
SNP_P1_81767_44624474	NC_021163.1	Ca_kabuli_chr04	44624474	AA	CC	1940312199
SNP_P1_81768_44624522	NC_021163.1	Ca_kabuli_chr04	44624522	TT	AA	1940312200
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SNP_P1_81772_44625013	NC_021163.1	Ca_kabuli_chr04	44625013	CC	AA	1940312207
SNP_P1_81773_44625020	NC_021163.1	Ca_kabuli_chr04	44625020	AA	CC	1940312209
SNP_P1_81774_44625267	NC_021163.1	Ca_kabuli_chr04	44625267	CC	TT	1940312211
SNP_P1_81775_44626753	NC_021163.1	Ca_kabuli_chr04	44626753	TT	CC	1940312212
SNP_P1_81776_44626770	NC_021163.1	Ca_kabuli_chr04	44626770	TT	GG	1940312214
SNP_P1_81777_44627320	NC_021163.1	Ca_kabuli_chr04	44627320	CC	TT	1940312216
SNP_P1_81778_44627445	NC_021163.1	Ca_kabuli_chr04	44627445	AA	GG	1940312217
SNP_P1_81779_44627629	NC_021163.1	Ca_kabuli_chr04	44627629	GG	AA	1940312219
SNP_P1_81780_44628511	NC_021163.1	Ca_kabuli_chr04	44628511	CC	AA	1940312221
SNP_P1_81781_44628790	NC_021163.1	Ca_kabuli_chr04	44628790	AA	CC	1940312222
SNP_P1_81782_44629045	NC_021163.1	Ca_kabuli_chr04	44629045	CC	TT	1940312224
SNP_P1_81783_44629061	NC_021163.1	Ca_kabuli_chr04	44629061	TT	AA	1940312226
SNP_P1_81784_44631097	NC_021163.1	Ca_kabuli_chr04	44631097	TT	AA	1940312227
SNP_P1_81785_44631098	NC_021163.1	Ca_kabuli_chr04	44631098	TT	AA	1940312229
SNP_P1_81786_44631119	NC_021163.1	Ca_kabuli_chr04	44631119	GG	CC	1940312231
SNP_P1_81787_44631142	NC_021163.1	Ca_kabuli_chr04	44631142	TT	CC	1940312232
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SNP_P1_81791_44632574	NC_021163.1	Ca_kabuli_chr04	44632574	TT	CC	1940312237
SNP_P1_81793_44632758	NC_021163.1	Ca_kabuli_chr04	44632758	TT	GG	1940312239
SNP_P1_81794_44632900	NC_021163.1	Ca_kabuli_chr04	44632900	CC	AA	1940312241
SNP_P1_81795_44632917	NC_021163.1	Ca_kabuli_chr04	44632917	TT	CC	1940312242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81797_44632930	NC_021163.1	Ca_kabuli_chr04	44632930	CC	AA	1940312246
SNP_P1_81798_44632934	NC_021163.1	Ca_kabuli_chr04	44632934	GG	AA	1940312247
SNP_P1_81799_44633024	NC_021163.1	Ca_kabuli_chr04	44633024	GG	AA	1940312249
SNP_P1_81800_44633069	NC_021163.1	Ca_kabuli_chr04	44633069	AA	TT	1940312251
SNP_P1_81801_44633070	NC_021163.1	Ca_kabuli_chr04	44633070	CC	TT	1940312252
SNP_P1_81802_44633071	NC_021163.1	Ca_kabuli_chr04	44633071	GG	AA	1940312254
SNP_P1_81803_44633075	NC_021163.1	Ca_kabuli_chr04	44633075	AA	GG	1940312256
SNP_P1_81804_44633091	NC_021163.1	Ca_kabuli_chr04	44633091	AA	GG	1940312257
SNP_P1_81805_44634148	NC_021163.1	Ca_kabuli_chr04	44634148	GG	AA	1940312259
SNP_P1_81806_44634454	NC_021163.1	Ca_kabuli_chr04	44634454	TT	CC	1940312261
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SNP_P1_81812_44640843	NC_021163.1	Ca_kabuli_chr04	44640843	TT	CC	1940312271
SNP_P1_81813_44642882	NC_021163.1	Ca_kabuli_chr04	44642882	AA	GG	1940312272
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SNP_P1_81816_44646567	NC_021163.1	Ca_kabuli_chr04	44646567	CC	GG	1940312276
SNP_P1_81817_44649337	NC_021163.1	Ca_kabuli_chr04	44649337	GG	AA	1940312277
SNP_P1_81818_44649378	NC_021163.1	Ca_kabuli_chr04	44649378	AA	TT	1940312279
SNP_P1_81819_44649399	NC_021163.1	Ca_kabuli_chr04	44649399	GG	AA	1940312281
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SNP_P1_81822_44653690	NC_021163.1	Ca_kabuli_chr04	44653690	AA	GG	1940312286
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SNP_P1_81824_44653951	NC_021163.1	Ca_kabuli_chr04	44653951	CC	TT	1940312289
SNP_P1_81825_44653975	NC_021163.1	Ca_kabuli_chr04	44653975	TT	CC	1940312291
SNP_P1_81826_44653983	NC_021163.1	Ca_kabuli_chr04	44653983	TT	CC	1940312292
SNP_P1_81827_44654005	NC_021163.1	Ca_kabuli_chr04	44654005	GG	AA	1940312294
SNP_P1_81828_44654020	NC_021163.1	Ca_kabuli_chr04	44654020	AA	GG	1940312296
SNP_P1_81830_44654405	NC_021163.1	Ca_kabuli_chr04	44654405	TT	CC	1940312297
SNP_P1_81831_44654415	NC_021163.1	Ca_kabuli_chr04	44654415	TT	GG	1940312299
SNP_P1_81832_44654455	NC_021163.1	Ca_kabuli_chr04	44654455	TT	AA	1940312301
SNP_P1_81833_44654695	NC_021163.1	Ca_kabuli_chr04	44654695	GG	CC	1940312302
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SNP_P1_81836_44656817	NC_021163.1	Ca_kabuli_chr04	44656817	TT	AA	1940312308
SNP_P1_81837_44657709	NC_021163.1	Ca_kabuli_chr04	44657709	AA	GG	1940312309
SNP_P1_81839_44658140	NC_021163.1	Ca_kabuli_chr04	44658140	AA	TT	1940312311
SNP_P1_81840_44660781	NC_021163.1	Ca_kabuli_chr04	44660781	CC	TT	1940312313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81846_44661388	NC_021163.1	Ca_kabuli_chr04	44661388	CC	GG	1940312318
SNP_P1_81847_44661887	NC_021163.1	Ca_kabuli_chr04	44661887	TT	CC	1940312319
SNP_P1_81848_44661929	NC_021163.1	Ca_kabuli_chr04	44661929	AA	CC	1940312321
SNP_P1_81849_44662424	NC_021163.1	Ca_kabuli_chr04	44662424	CC	TT	1940312323
SNP_P1_81850_44662751	NC_021163.1	Ca_kabuli_chr04	44662751	TT	CC	1940312324
SNP_P1_81851_44663203	NC_021163.1	Ca_kabuli_chr04	44663203	CC	GG	1940312326
SNP_P1_81852_44663209	NC_021163.1	Ca_kabuli_chr04	44663209	AA	CC	1940312328
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SNP_P1_81854_44663229	NC_021163.1	Ca_kabuli_chr04	44663229	AA	GG	1940312331
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SNP_P1_81861_44666849	NC_021163.1	Ca_kabuli_chr04	44666849	AA	GG	1940312341
SNP_P1_81862_44666868	NC_021163.1	Ca_kabuli_chr04	44666868	AA	GG	1940312343
SNP_P1_81863_44666871	NC_021163.1	Ca_kabuli_chr04	44666871	AA	GG	1940312344
SNP_P1_81864_44666952	NC_021163.1	Ca_kabuli_chr04	44666952	AA	GG	1940312346
SNP_P1_81865_44666967	NC_021163.1	Ca_kabuli_chr04	44666967	CC	TT	1940312348
SNP_P1_81866_44666974	NC_021163.1	Ca_kabuli_chr04	44666974	TT	AA	1940312349
SNP_P1_81867_44666984	NC_021163.1	Ca_kabuli_chr04	44666984	TT	CC	1940312351
SNP_P1_81868_44666988	NC_021163.1	Ca_kabuli_chr04	44666988	GG	AA	1940312353
SNP_P1_81869_44667240	NC_021163.1	Ca_kabuli_chr04	44667240	TT	CC	1940312354
SNP_P1_81870_44667783	NC_021163.1	Ca_kabuli_chr04	44667783	GG	AA	1940312356
SNP_P1_81871_44667821	NC_021163.1	Ca_kabuli_chr04	44667821	GG	AA	1940312358
SNP_P1_81872_44667822	NC_021163.1	Ca_kabuli_chr04	44667822	CC	AA	1940312359
SNP_P1_81873_44667836	NC_021163.1	Ca_kabuli_chr04	44667836	CC	TT	1940312361
SNP_P1_81874_44667843	NC_021163.1	Ca_kabuli_chr04	44667843	GG	AA	1940312363
SNP_P1_81876_44668639	NC_021163.1	Ca_kabuli_chr04	44668639	TT	AA	1940312364
SNP_P1_81879_44669027	NC_021163.1	Ca_kabuli_chr04	44669027	GG	AA	1940312366
SNP_P1_81880_44670976	NC_021163.1	Ca_kabuli_chr04	44670976	GG	TT	1940312368
SNP_P1_81881_44671319	NC_021163.1	Ca_kabuli_chr04	44671319	CC	GG	1940312369
SNP_P1_81882_44671772	NC_021163.1	Ca_kabuli_chr04	44671772	CC	TT	1940312371
SNP_P1_81883_44671791	NC_021163.1	Ca_kabuli_chr04	44671791	TT	GG	1940312373
SNP_P1_81884_44672128	NC_021163.1	Ca_kabuli_chr04	44672128	AA	GG	1940312375
SNP_P1_81885_44672488	NC_021163.1	Ca_kabuli_chr04	44672488	CC	TT	1940312376
SNP_P1_81886_44672541	NC_021163.1	Ca_kabuli_chr04	44672541	CC	AA	1940312378
SNP_P1_81887_44672839	NC_021163.1	Ca_kabuli_chr04	44672839	TT	CC	1940312380
SNP_P1_81888_44672842	NC_021163.1	Ca_kabuli_chr04	44672842	AA	GG	1940312381
SNP_P1_81889_44672846	NC_021163.1	Ca_kabuli_chr04	44672846	GG	AA	1940312383

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81891_44673746	NC_021163.1	Ca_kabuli_chr04	44673746	GG	TT	1940312386
SNP_P1_81892_44673780	NC_021163.1	Ca_kabuli_chr04	44673780	AA	GG	1940312388
SNP_P1_81893_44673792	NC_021163.1	Ca_kabuli_chr04	44673792	GG	AA	1940312390
SNP_P1_81894_44673794	NC_021163.1	Ca_kabuli_chr04	44673794	GG	AA	1940312391
SNP_P1_81895_44673899	NC_021163.1	Ca_kabuli_chr04	44673899	TT	CC	1940312393
SNP_P1_81896_44673923	NC_021163.1	Ca_kabuli_chr04	44673923	TT	CC	1940312395
SNP_P1_81897_44674043	NC_021163.1	Ca_kabuli_chr04	44674043	GG	TT	1940312396
SNP_P1_81898_44674667	NC_021163.1	Ca_kabuli_chr04	44674667	TT	CC	1940312398
SNP_P1_81900_44676788	NC_021163.1	Ca_kabuli_chr04	44676788	CC	AA	1940312400
SNP_P1_81901_44677145	NC_021163.1	Ca_kabuli_chr04	44677145	GG	AA	1940312401
SNP_P1_81902_44677180	NC_021163.1	Ca_kabuli_chr04	44677180	CC	GG	1940312403
SNP_P1_81903_44677217	NC_021163.1	Ca_kabuli_chr04	44677217	AA	GG	1940312405
SNP_P1_81904_44677268	NC_021163.1	Ca_kabuli_chr04	44677268	CC	TT	1940312406
SNP_P1_81905_44677312	NC_021163.1	Ca_kabuli_chr04	44677312	GG	AA	1940312408
SNP_P1_81906_44677313	NC_021163.1	Ca_kabuli_chr04	44677313	CC	TT	1940312410
SNP_P1_81907_44677383	NC_021163.1	Ca_kabuli_chr04	44677383	AA	GG	1940312411
SNP_P1_81908_44677462	NC_021163.1	Ca_kabuli_chr04	44677462	CC	TT	1940312413
SNP_P1_81909_44677468	NC_021163.1	Ca_kabuli_chr04	44677468	CC	TT	1940312415
SNP_P1_81910_44677487	NC_021163.1	Ca_kabuli_chr04	44677487	TT	CC	1940312416
SNP_P1_81911_44677497	NC_021163.1	Ca_kabuli_chr04	44677497	AA	TT	1940312418
SNP_P1_81912_44677631	NC_021163.1	Ca_kabuli_chr04	44677631	GG	AA	1940312420
SNP_P1_81913_44677660	NC_021163.1	Ca_kabuli_chr04	44677660	TT	CC	1940312421
SNP_P1_81914_44678033	NC_021163.1	Ca_kabuli_chr04	44678033	AA	GG	1940312423
SNP_P1_81915_44678159	NC_021163.1	Ca_kabuli_chr04	44678159	GG	CC	1940312425
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SNP_P1_81918_44678388	NC_021163.1	Ca_kabuli_chr04	44678388	TT	GG	1940312428
SNP_P1_81919_44678451	NC_021163.1	Ca_kabuli_chr04	44678451	AA	GG	1940312430
SNP_P1_81920_44678462	NC_021163.1	Ca_kabuli_chr04	44678462	AA	GG	1940312431
SNP_P1_81921_44678471	NC_021163.1	Ca_kabuli_chr04	44678471	GG	AA	1940312433
SNP_P1_81922_44678495	NC_021163.1	Ca_kabuli_chr04	44678495	CC	TT	1940312435
SNP_P1_81923_44679044	NC_021163.1	Ca_kabuli_chr04	44679044	AA	TT	1940312437
SNP_P1_81924_44679210	NC_021163.1	Ca_kabuli_chr04	44679210	TT	AA	1940312438
SNP_P1_81925_44679287	NC_021163.1	Ca_kabuli_chr04	44679287	TT	AA	1940312440
SNP_P1_81926_44679328	NC_021163.1	Ca_kabuli_chr04	44679328	GG	CC	1940312442
SNP_P1_81928_44679493	NC_021163.1	Ca_kabuli_chr04	44679493	AA	TT	1940312443
SNP_P1_81929_44679505	NC_021163.1	Ca_kabuli_chr04	44679505	TT	AA	1940312445
SNP_P1_81930_44679514	NC_021163.1	Ca_kabuli_chr04	44679514	TT	GG	1940312447
SNP_P1_81931_44679607	NC_021163.1	Ca_kabuli_chr04	44679607	GG	TT	1940312448
SNP_P1_81933_44679651	NC_021163.1	Ca_kabuli_chr04	44679651	AA	GG	1940312450
SNP_P1_81934_44679670	NC_021163.1	Ca_kabuli_chr04	44679670	GG	AA	1940312452
SNP_P1_81935_44680039	NC_021163.1	Ca_kabuli_chr04	44680039	CC	AA	1940312453

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81937_44680847	NC_021163.1	Ca_kabuli_chr04	44680847	TT	CC	1940312457
SNP_P1_81938_44680873	NC_021163.1	Ca_kabuli_chr04	44680873	TT	CC	1940312458
SNP_P1_81939_44680878	NC_021163.1	Ca_kabuli_chr04	44680878	TT	CC	1940312460
SNP_P1_81940_44680950	NC_021163.1	Ca_kabuli_chr04	44680950	GG	CC	1940312462
SNP_P1_81943_44681778	NC_021163.1	Ca_kabuli_chr04	44681778	TT	GG	1940312463
SNP_P1_81945_44683233	NC_021163.1	Ca_kabuli_chr04	44683233	TT	AA	1940312465
SNP_P1_81946_44683372	NC_021163.1	Ca_kabuli_chr04	44683372	TT	GG	1940312467
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SNP_P1_81948_44686163	NC_021163.1	Ca_kabuli_chr04	44686163	GG	CC	1940312470
SNP_P1_81949_44686165	NC_021163.1	Ca_kabuli_chr04	44686165	CC	TT	1940312472
SNP_P1_81950_44686182	NC_021163.1	Ca_kabuli_chr04	44686182	AA	TT	1940312473
SNP_P1_81951_44686194	NC_021163.1	Ca_kabuli_chr04	44686194	CC	TT	1940312475
SNP_P1_81952_44686314	NC_021163.1	Ca_kabuli_chr04	44686314	AA	GG	1940312477
SNP_P1_81953_44686319	NC_021163.1	Ca_kabuli_chr04	44686319	CC	GG	1940312478
SNP_P1_81954_44686342	NC_021163.1	Ca_kabuli_chr04	44686342	CC	TT	1940312480
SNP_P1_81955_44686349	NC_021163.1	Ca_kabuli_chr04	44686349	TT	CC	1940312482
SNP_P1_81956_44686411	NC_021163.1	Ca_kabuli_chr04	44686411	GG	TT	1940312483
SNP_P1_81957_44687741	NC_021163.1	Ca_kabuli_chr04	44687741	TT	AA	1940312485
SNP_P1_81958_44688529	NC_021163.1	Ca_kabuli_chr04	44688529	GG	AA	1940312487
SNP_P1_81959_44688769	NC_021163.1	Ca_kabuli_chr04	44688769	TT	CC	1940312489
SNP_P1_81960_44688807	NC_021163.1	Ca_kabuli_chr04	44688807	GG	AA	1940312490
SNP_P1_81961_44691070	NC_021163.1	Ca_kabuli_chr04	44691070	GG	TT	1940312492
SNP_P1_81963_44691169	NC_021163.1	Ca_kabuli_chr04	44691169	TT	CC	1940312494
SNP_P1_81965_44691798	NC_021163.1	Ca_kabuli_chr04	44691798	AA	GG	1940312495
SNP_P1_81966_44692177	NC_021163.1	Ca_kabuli_chr04	44692177	GG	TT	1940312497
SNP_P1_81967_44692357	NC_021163.1	Ca_kabuli_chr04	44692357	AA	TT	1940312499
SNP_P1_81968_44692358	NC_021163.1	Ca_kabuli_chr04	44692358	CC	TT	1940312500
SNP_P1_81969_44692370	NC_021163.1	Ca_kabuli_chr04	44692370	TT	GG	1940312502
SNP_P1_81970_44692375	NC_021163.1	Ca_kabuli_chr04	44692375	GG	AA	1940312504
SNP_P1_81971_44692838	NC_021163.1	Ca_kabuli_chr04	44692838	CC	TT	1940312505
SNP_P1_81972_44692926	NC_021163.1	Ca_kabuli_chr04	44692926	AA	TT	1940312507
SNP_P1_81974_44693209	NC_021163.1	Ca_kabuli_chr04	44693209	AA	TT	1940312509
SNP_P1_81976_44693634	NC_021163.1	Ca_kabuli_chr04	44693634	TT	AA	1940312510
SNP_P1_81977_44693732	NC_021163.1	Ca_kabuli_chr04	44693732	CC	TT	1940312512
SNP_P1_81978_44693741	NC_021163.1	Ca_kabuli_chr04	44693741	GG	TT	1940312514
SNP_P1_81979_44693768	NC_021163.1	Ca_kabuli_chr04	44693768	GG	AA	1940312515
SNP_P1_81980_44694332	NC_021163.1	Ca_kabuli_chr04	44694332	TT	AA	1940312517
SNP_P1_81981_44694555	NC_021163.1	Ca_kabuli_chr04	44694555	TT	AA	1940312519
SNP_P1_81983_44694695	NC_021163.1	Ca_kabuli_chr04	44694695	TT	GG	1940312520
SNP_P1_81985_44694745	NC_021163.1	Ca_kabuli_chr04	44694745	AA	TT	1940312522
SNP_P1_81986_44694750	NC_021163.1	Ca_kabuli_chr04	44694750	CC	AA	1940312524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_81988_44694795	NC_021163.1	Ca_kabuli_chr04	44694795	TT	GG	1940312527
SNP_P1_81989_44694872	NC_021163.1	Ca_kabuli_chr04	44694872	AA	CC	1940312529
SNP_P1_81990_44694894	NC_021163.1	Ca_kabuli_chr04	44694894	GG	TT	1940312530
SNP_P1_81991_44694957	NC_021163.1	Ca_kabuli_chr04	44694957	TT	GG	1940312532
SNP_P1_81992_44695162	NC_021163.1	Ca_kabuli_chr04	44695162	CC	AA	1940312534
SNP_P1_81993_44695260	NC_021163.1	Ca_kabuli_chr04	44695260	TT	CC	1940312536
SNP_P1_81995_44696171	NC_021163.1	Ca_kabuli_chr04	44696171	CC	TT	1940312537
SNP_P1_81996_44696419	NC_021163.1	Ca_kabuli_chr04	44696419	GG	TT	1940312539
SNP_P1_81997_44697085	NC_021163.1	Ca_kabuli_chr04	44697085	CC	TT	1940312540
SNP_P1_81998_44697086	NC_021163.1	Ca_kabuli_chr04	44697086	CC	GG	1940312542
SNP_P1_81999_44697107	NC_021163.1	Ca_kabuli_chr04	44697107	CC	AA	1940312544
SNP_P1_82000_44697112	NC_021163.1	Ca_kabuli_chr04	44697112	AA	TT	1940312546
SNP_P1_82001_44697139	NC_021163.1	Ca_kabuli_chr04	44697139	TT	AA	1940312547
SNP_P1_82002_44697145	NC_021163.1	Ca_kabuli_chr04	44697145	GG	AA	1940312549
SNP_P1_82003_44697160	NC_021163.1	Ca_kabuli_chr04	44697160	CC	TT	1940312551
SNP_P1_82004_44697257	NC_021163.1	Ca_kabuli_chr04	44697257	TT	AA	1940312552
SNP_P1_82005_44697318	NC_021163.1	Ca_kabuli_chr04	44697318	TT	CC	1940312554
SNP_P1_82007_44697486	NC_021163.1	Ca_kabuli_chr04	44697486	AA	GG	1940312556
SNP_P1_82008_44697492	NC_021163.1	Ca_kabuli_chr04	44697492	AA	GG	1940312557
SNP_P1_82010_44697667	NC_021163.1	Ca_kabuli_chr04	44697667	AA	TT	1940312559
SNP_P1_82011_44697690	NC_021163.1	Ca_kabuli_chr04	44697690	AA	TT	1940312561
SNP_P1_82012_44697986	NC_021163.1	Ca_kabuli_chr04	44697986	AA	GG	1940312562
SNP_P1_82013_44703469	NC_021163.1	Ca_kabuli_chr04	44703469	CC	TT	1940312564
SNP_P1_82014_44703471	NC_021163.1	Ca_kabuli_chr04	44703471	CC	AA	1940312566
SNP_P1_82015_44703547	NC_021163.1	Ca_kabuli_chr04	44703547	TT	CC	1940312567
SNP_P1_82016_44703590	NC_021163.1	Ca_kabuli_chr04	44703590	GG	TT	1940312569
SNP_P1_82017_44703845	NC_021163.1	Ca_kabuli_chr04	44703845	CC	TT	1940312571
SNP_P1_82018_44703863	NC_021163.1	Ca_kabuli_chr04	44703863	TT	CC	1940312572
SNP_P1_82019_44705096	NC_021163.1	Ca_kabuli_chr04	44705096	AA	CC	1940312574
SNP_P1_82021_44705736	NC_021163.1	Ca_kabuli_chr04	44705736	GG	CC	1940312576
SNP_P1_82022_44706645	NC_021163.1	Ca_kabuli_chr04	44706645	TT	AA	1940312577
SNP_P1_82024_44706824	NC_021163.1	Ca_kabuli_chr04	44706824	AA	GG	1940312579
SNP_P1_82028_44709522	NC_021163.1	Ca_kabuli_chr04	44709522	TT	CC	1940312581
SNP_P1_82029_44709524	NC_021163.1	Ca_kabuli_chr04	44709524	AA	GG	1940312582
SNP_P1_82032_44710015	NC_021163.1	Ca_kabuli_chr04	44710015	TT	GG	1940312584
SNP_P1_82033_44710125	NC_021163.1	Ca_kabuli_chr04	44710125	AA	GG	1940312586
SNP_P1_82034_44710215	NC_021163.1	Ca_kabuli_chr04	44710215	TT	CC	1940312587
SNP_P1_82035_44710227	NC_021163.1	Ca_kabuli_chr04	44710227	GG	AA	1940312589
SNP_P1_82037_44710346	NC_021163.1	Ca_kabuli_chr04	44710346	CC	TT	1940312591
SNP_P1_82038_44710420	NC_021163.1	Ca_kabuli_chr04	44710420	AA	CC	1940312592
SNP_P1_82040_44710613	NC_021163.1	Ca_kabuli_chr04	44710613	AA	GG	1940312594

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82042_44710792	NC_021163.1	Ca_kabuli_chr04	44710792	AA	TT	1940312597
SNP_P1_82043_44711186	NC_021163.1	Ca_kabuli_chr04	44711186	CC	TT	1940312599
SNP_P1_82044_44711572	NC_021163.1	Ca_kabuli_chr04	44711572	TT	AA	1940312601
SNP_P1_82045_44711585	NC_021163.1	Ca_kabuli_chr04	44711585	TT	CC	1940312602
SNP_P1_82046_44712530	NC_021163.1	Ca_kabuli_chr04	44712530	TT	AA	1940312604
SNP_P1_82047_44712905	NC_021163.1	Ca_kabuli_chr04	44712905	GG	AA	1940312606
SNP_P1_82048_44713832	NC_021163.1	Ca_kabuli_chr04	44713832	GG	AA	1940312608
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SNP_P1_82050_44713998	NC_021163.1	Ca_kabuli_chr04	44713998	TT	CC	1940312611
SNP_P1_82051_44714351	NC_021163.1	Ca_kabuli_chr04	44714351	AA	GG	1940312613
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SNP_P1_82056_44717698	NC_021163.1	Ca_kabuli_chr04	44717698	CC	AA	1940312621
SNP_P1_82057_44717699	NC_021163.1	Ca_kabuli_chr04	44717699	TT	AA	1940312623
SNP_P1_82058_44717776	NC_021163.1	Ca_kabuli_chr04	44717776	TT	GG	1940312624
SNP_P1_82059_44717785	NC_021163.1	Ca_kabuli_chr04	44717785	CC	GG	1940312626
SNP_P1_82060_44718001	NC_021163.1	Ca_kabuli_chr04	44718001	TT	CC	1940312628
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SNP_P1_82062_44718046	NC_021163.1	Ca_kabuli_chr04	44718046	GG	CC	1940312631
SNP_P1_82064_44718216	NC_021163.1	Ca_kabuli_chr04	44718216	GG	AA	1940312633
SNP_P1_82065_44718554	NC_021163.1	Ca_kabuli_chr04	44718554	CC	TT	1940312634
SNP_P1_82066_44718578	NC_021163.1	Ca_kabuli_chr04	44718578	GG	CC	1940312636
SNP_P1_82068_44718619	NC_021163.1	Ca_kabuli_chr04	44718619	TT	GG	1940312638
SNP_P1_82069_44718666	NC_021163.1	Ca_kabuli_chr04	44718666	CC	TT	1940312639
SNP_P1_82070_44718713	NC_021163.1	Ca_kabuli_chr04	44718713	GG	AA	1940312641
SNP_P1_82071_44718714	NC_021163.1	Ca_kabuli_chr04	44718714	CC	TT	1940312643
SNP_P1_82072_44718739	NC_021163.1	Ca_kabuli_chr04	44718739	TT	CC	1940312644
SNP_P1_82073_44718749	NC_021163.1	Ca_kabuli_chr04	44718749	GG	TT	1940312646
SNP_P1_82074_44719466	NC_021163.1	Ca_kabuli_chr04	44719466	CC	AA	1940312648
SNP_P1_82075_44721695	NC_021163.1	Ca_kabuli_chr04	44721695	GG	AA	1940312649
SNP_P1_82076_44723436	NC_021163.1	Ca_kabuli_chr04	44723436	CC	AA	1940312651
SNP_P1_82077_44723437	NC_021163.1	Ca_kabuli_chr04	44723437	GG	AA	1940312653
SNP_P1_82078_44723468	NC_021163.1	Ca_kabuli_chr04	44723468	AA	GG	1940312654
SNP_P1_82079_44723486	NC_021163.1	Ca_kabuli_chr04	44723486	CC	TT	1940312656
SNP_P1_82080_44723610	NC_021163.1	Ca_kabuli_chr04	44723610	AA	GG	1940312658
SNP_P1_82081_44723887	NC_021163.1	Ca_kabuli_chr04	44723887	CC	AA	1940312660
SNP_P1_82082_44724606	NC_021163.1	Ca_kabuli_chr04	44724606	CC	TT	1940312661
SNP_P1_82083_44724616	NC_021163.1	Ca_kabuli_chr04	44724616	AA	TT	1940312663
SNP_P1_82084_44724648	NC_021163.1	Ca_kabuli_chr04	44724648	AA	GG	1940312665

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_82085_44724810	NC_021163.1	Ca_kabuli_chr04	44724810	AA	GG	1940312666
SNP_P1_82086_44724856	NC_021163.1	Ca_kabuli_chr04	44724856	GG	AA	1940312668
SNP_P1_82087_44724870	NC_021163.1	Ca_kabuli_chr04	44724870	CC	TT	1940312670
SNP_P1_82088_44724975	NC_021163.1	Ca_kabuli_chr04	44724975	CC	TT	1940312671
SNP_P1_82089_44725021	NC_021163.1	Ca_kabuli_chr04	44725021	CC	TT	1940312673
SNP_P1_82090_44725026	NC_021163.1	Ca_kabuli_chr04	44725026	GG	AA	1940312675
SNP_P1_82091_44725139	NC_021163.1	Ca_kabuli_chr04	44725139	GG	AA	1940312676
SNP_P1_82092_44725148	NC_021163.1	Ca_kabuli_chr04	44725148	CC	TT	1940312678
SNP_P1_82093_44725151	NC_021163.1	Ca_kabuli_chr04	44725151	GG	AA	1940312680
SNP_P1_82094_44725166	NC_021163.1	Ca_kabuli_chr04	44725166	GG	AA	1940312681
SNP_P1_82095_44725172	NC_021163.1	Ca_kabuli_chr04	44725172	AA	GG	1940312683
SNP_P1_82096_44725198	NC_021163.1	Ca_kabuli_chr04	44725198	TT	CC	1940312685
SNP_P1_82097_44725236	NC_021163.1	Ca_kabuli_chr04	44725236	GG	AA	1940312686
SNP_P1_82098_44725267	NC_021163.1	Ca_kabuli_chr04	44725267	CC	TT	1940312688
SNP_P1_82099_44725283	NC_021163.1	Ca_kabuli_chr04	44725283	CC	TT	1940312690
SNP_P1_82100_44725391	NC_021163.1	Ca_kabuli_chr04	44725391	GG	AA	1940312691
SNP_P1_82101_44725427	NC_021163.1	Ca_kabuli_chr04	44725427	TT	CC	1940312693
SNP_P1_82102_44725461	NC_021163.1	Ca_kabuli_chr04	44725461	CC	TT	1940312695
SNP_P1_82103_44725551	NC_021163.1	Ca_kabuli_chr04	44725551	TT	AA	1940312696
SNP_P1_82106_44727349	NC_021163.1	Ca_kabuli_chr04	44727349	TT	CC	1940312698
SNP_P1_82107_44727509	NC_021163.1	Ca_kabuli_chr04	44727509	TT	AA	1940312700
SNP_P1_82108_44727581	NC_021163.1	Ca_kabuli_chr04	44727581	AA	TT	1940312701
SNP_P1_82109_44727610	NC_021163.1	Ca_kabuli_chr04	44727610	TT	CC	1940312703
SNP_P1_82111_44727679	NC_021163.1	Ca_kabuli_chr04	44727679	CC	GG	1940312705
SNP_P1_82112_44727876	NC_021163.1	Ca_kabuli_chr04	44727876	GG	TT	1940312706
SNP_P1_82114_44727929	NC_021163.1	Ca_kabuli_chr04	44727929	GG	AA	1940312708
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SNP_P1_82117_44728451	NC_021163.1	Ca_kabuli_chr04	44728451	AA	TT	1940312711
SNP_P1_82118_44728554	NC_021163.1	Ca_kabuli_chr04	44728554	AA	GG	1940312713
SNP_P1_82119_44728613	NC_021163.1	Ca_kabuli_chr04	44728613	CC	TT	1940312715
SNP_P1_82120_44728756	NC_021163.1	Ca_kabuli_chr04	44728756	AA	TT	1940312717
SNP_P1_82121_44728770	NC_021163.1	Ca_kabuli_chr04	44728770	AA	CC	1940312718
SNP_P1_82123_44729861	NC_021163.1	Ca_kabuli_chr04	44729861	GG	TT	1940312720
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SNP_P1_82125_44730125	NC_021163.1	Ca_kabuli_chr04	44730125	CC	TT	1940312723
SNP_P1_82126_44730141	NC_021163.1	Ca_kabuli_chr04	44730141	CC	AA	1940312725
SNP_P1_82127_44730363	NC_021163.1	Ca_kabuli_chr04	44730363	AA	CC	1940312727
SNP_P1_82128_44731563	NC_021163.1	Ca_kabuli_chr04	44731563	TT	CC	1940312728
SNP_P1_82129_44733067	NC_021163.1	Ca_kabuli_chr04	44733067	AA	TT	1940312730
SNP_P1_82130_44735012	NC_021163.1	Ca_kabuli_chr04	44735012	GG	AA	1940312732
SNP_P1_82131_44735917	NC_021163.1	Ca_kabuli_chr04	44735917	CC	AA	1940312733
SNP_P1_82134_44737288	NC_021163.1	Ca_kabuli_chr04	44737288	TT	AA	1940312735

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82140_44739658	NC_021163.1	Ca_kabuli_chr04	44739658	CC	GG	1940312738
SNP_P1_82141_44739670	NC_021163.1	Ca_kabuli_chr04	44739670	AA	TT	1940312740
SNP_P1_82142_44739709	NC_021163.1	Ca_kabuli_chr04	44739709	TT	CC	1940312742
SNP_P1_82144_44740339	NC_021163.1	Ca_kabuli_chr04	44740339	AA	GG	1940312744
SNP_P1_82145_44740359	NC_021163.1	Ca_kabuli_chr04	44740359	CC	TT	1940312745
SNP_P1_82146_44740949	NC_021163.1	Ca_kabuli_chr04	44740949	TT	CC	1940312747
SNP_P1_82147_44741138	NC_021163.1	Ca_kabuli_chr04	44741138	CC	TT	1940312749
SNP_P1_82148_44741165	NC_021163.1	Ca_kabuli_chr04	44741165	AA	CC	1940312750
SNP_P1_82149_44741178	NC_021163.1	Ca_kabuli_chr04	44741178	TT	AA	1940312752
SNP_P1_82151_44742102	NC_021163.1	Ca_kabuli_chr04	44742102	GG	AA	1940312754
SNP_P1_82153_44742917	NC_021163.1	Ca_kabuli_chr04	44742917	AA	TT	1940312755
SNP_P1_82154_44742934	NC_021163.1	Ca_kabuli_chr04	44742934	TT	CC	1940312757
SNP_P1_82155_44742936	NC_021163.1	Ca_kabuli_chr04	44742936	GG	TT	1940312759
SNP_P1_82156_44742952	NC_021163.1	Ca_kabuli_chr04	44742952	TT	CC	1940312761
SNP_P1_82157_44743090	NC_021163.1	Ca_kabuli_chr04	44743090	GG	AA	1940312762
SNP_P1_82158_44743153	NC_021163.1	Ca_kabuli_chr04	44743153	AA	CC	1940312764
SNP_P1_82159_44743170	NC_021163.1	Ca_kabuli_chr04	44743170	TT	CC	1940312766
SNP_P1_82160_44743289	NC_021163.1	Ca_kabuli_chr04	44743289	AA	CC	1940312767
SNP_P1_82161_44743324	NC_021163.1	Ca_kabuli_chr04	44743324	GG	AA	1940312769
SNP_P1_82162_44743353	NC_021163.1	Ca_kabuli_chr04	44743353	CC	TT	1940312771
SNP_P1_82163_44743373	NC_021163.1	Ca_kabuli_chr04	44743373	GG	AA	1940312772
SNP_P1_82164_44743487	NC_021163.1	Ca_kabuli_chr04	44743487	TT	GG	1940312774
SNP_P1_82165_44744195	NC_021163.1	Ca_kabuli_chr04	44744195	CC	GG	1940312776
SNP_P1_82166_44744448	NC_021163.1	Ca_kabuli_chr04	44744448	CC	TT	1940312777
SNP_P1_82167_44744632	NC_021163.1	Ca_kabuli_chr04	44744632	TT	CC	1940312779
SNP_P1_82168_44744642	NC_021163.1	Ca_kabuli_chr04	44744642	TT	AA	1940312781
SNP_P1_82170_44745156	NC_021163.1	Ca_kabuli_chr04	44745156	GG	TT	1940312782
SNP_P1_82171_44746345	NC_021163.1	Ca_kabuli_chr04	44746345	AA	GG	1940312784
SNP_P1_82172_44746731	NC_021163.1	Ca_kabuli_chr04	44746731	TT	AA	1940312786
SNP_P1_82173_44747457	NC_021163.1	Ca_kabuli_chr04	44747457	AA	GG	1940312787
SNP_P1_82174_44747598	NC_021163.1	Ca_kabuli_chr04	44747598	GG	AA	1940312789
SNP_P1_82175_44747616	NC_021163.1	Ca_kabuli_chr04	44747616	TT	CC	1940312791
SNP_P1_82177_44747798	NC_021163.1	Ca_kabuli_chr04	44747798	AA	TT	1940312792
SNP_P1_82178_44747818	NC_021163.1	Ca_kabuli_chr04	44747818	CC	TT	1940312794
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SNP_P1_82182_44748556	NC_021163.1	Ca_kabuli_chr04	44748556	TT	AA	1940312797
SNP_P1_82183_44748558	NC_021163.1	Ca_kabuli_chr04	44748558	CC	TT	1940312799
SNP_P1_82185_44749262	NC_021163.1	Ca_kabuli_chr04	44749262	TT	CC	1940312801
SNP_P1_82186_44749866	NC_021163.1	Ca_kabuli_chr04	44749866	CC	TT	1940312802
SNP_P1_82187_44750613	NC_021163.1	Ca_kabuli_chr04	44750613	GG	AA	1940312804
SNP_P1_82188_44750983	NC_021163.1	Ca_kabuli_chr04	44750983	CC	AA	1940312806

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82190_44751123	NC_021163.1	Ca_kabuli_chr04	44751123	TT	GG	1940312809
SNP_P1_82191_44751151	NC_021163.1	Ca_kabuli_chr04	44751151	CC	TT	1940312811
SNP_P1_82192_44751183	NC_021163.1	Ca_kabuli_chr04	44751183	GG	AA	1940312813
SNP_P1_82193_44751215	NC_021163.1	Ca_kabuli_chr04	44751215	TT	CC	1940312814
SNP_P1_82194_44751234	NC_021163.1	Ca_kabuli_chr04	44751234	GG	AA	1940312816
SNP_P1_82195_44751389	NC_021163.1	Ca_kabuli_chr04	44751389	AA	GG	1940312818
SNP_P1_82196_44751533	NC_021163.1	Ca_kabuli_chr04	44751533	AA	CC	1940312819
SNP_P1_82197_44751543	NC_021163.1	Ca_kabuli_chr04	44751543	AA	GG	1940312821
SNP_P1_82198_44751570	NC_021163.1	Ca_kabuli_chr04	44751570	TT	AA	1940312823
SNP_P1_82199_44751613	NC_021163.1	Ca_kabuli_chr04	44751613	AA	CC	1940312824
SNP_P1_82200_44752925	NC_021163.1	Ca_kabuli_chr04	44752925	CC	GG	1940312826
SNP_P1_82201_44752946	NC_021163.1	Ca_kabuli_chr04	44752946	AA	CC	1940312828
SNP_P1_82202_44755475	NC_021163.1	Ca_kabuli_chr04	44755475	GG	TT	1940312829
SNP_P1_82203_44756260	NC_021163.1	Ca_kabuli_chr04	44756260	AA	GG	1940312831
SNP_P1_82204_44756435	NC_021163.1	Ca_kabuli_chr04	44756435	TT	AA	1940312833
SNP_P1_82205_44756516	NC_021163.1	Ca_kabuli_chr04	44756516	TT	CC	1940312834
SNP_P1_82206_44757635	NC_021163.1	Ca_kabuli_chr04	44757635	AA	GG	1940312836
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SNP_P1_82208_44760169	NC_021163.1	Ca_kabuli_chr04	44760169	GG	AA	1940312839
SNP_P1_82209_44760171	NC_021163.1	Ca_kabuli_chr04	44760171	CC	TT	1940312841
SNP_P1_82210_44760402	NC_021163.1	Ca_kabuli_chr04	44760402	CC	GG	1940312843
SNP_P1_82211_44762922	NC_021163.1	Ca_kabuli_chr04	44762922	GG	TT	1940312844
SNP_P1_82212_44762972	NC_021163.1	Ca_kabuli_chr04	44762972	TT	CC	1940312846
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SNP_P1_82214_44763665	NC_021163.1	Ca_kabuli_chr04	44763665	TT	AA	1940312849
SNP_P1_82215_44764119	NC_021163.1	Ca_kabuli_chr04	44764119	AA	TT	1940312851
SNP_P1_82216_44764984	NC_021163.1	Ca_kabuli_chr04	44764984	AA	TT	1940312853
SNP_P1_82217_44765025	NC_021163.1	Ca_kabuli_chr04	44765025	TT	GG	1940312854
SNP_P1_82218_44765160	NC_021163.1	Ca_kabuli_chr04	44765160	AA	GG	1940312856
SNP_P1_82219_44765163	NC_021163.1	Ca_kabuli_chr04	44765163	CC	TT	1940312858
SNP_P1_82220_44765168	NC_021163.1	Ca_kabuli_chr04	44765168	CC	TT	1940312859
SNP_P1_82221_44765535	NC_021163.1	Ca_kabuli_chr04	44765535	TT	CC	1940312861
SNP_P1_82222_44767007	NC_021163.1	Ca_kabuli_chr04	44767007	CC	TT	1940312863
SNP_P1_82223_44768445	NC_021163.1	Ca_kabuli_chr04	44768445	TT	CC	1940312864
SNP_P1_82224_44768451	NC_021163.1	Ca_kabuli_chr04	44768451	GG	AA	1940312866
SNP_P1_82225_44769188	NC_021163.1	Ca_kabuli_chr04	44769188	AA	GG	1940312868
SNP_P1_82226_44769201	NC_021163.1	Ca_kabuli_chr04	44769201	CC	TT	1940312869
SNP_P1_82227_44769355	NC_021163.1	Ca_kabuli_chr04	44769355	GG	AA	1940312871
SNP_P1_82228_44769357	NC_021163.1	Ca_kabuli_chr04	44769357	GG	AA	1940312873
SNP_P1_82229_44769413	NC_021163.1	Ca_kabuli_chr04	44769413	TT	CC	1940312875
SNP_P1_82230_44769458	NC_021163.1	Ca_kabuli_chr04	44769458	AA	GG	1940312876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82232_44769713	NC_021163.1	Ca_kabuli_chr04	44769713	AA	TT	1940312880
SNP_P1_82233_44769748	NC_021163.1	Ca_kabuli_chr04	44769748	TT	CC	1940312881
SNP_P1_82234_44769782	NC_021163.1	Ca_kabuli_chr04	44769782	GG	AA	1940312883
SNP_P1_82235_44769906	NC_021163.1	Ca_kabuli_chr04	44769906	CC	TT	1940312885
SNP_P1_82236_44769938	NC_021163.1	Ca_kabuli_chr04	44769938	AA	TT	1940312886
SNP_P1_82237_44769952	NC_021163.1	Ca_kabuli_chr04	44769952	AA	TT	1940312888
SNP_P1_82238_44769960	NC_021163.1	Ca_kabuli_chr04	44769960	TT	GG	1940312890
SNP_P1_82239_44769992	NC_021163.1	Ca_kabuli_chr04	44769992	GG	AA	1940312891
SNP_P1_82240_44769997	NC_021163.1	Ca_kabuli_chr04	44769997	TT	GG	1940312893
SNP_P1_82241_44770018	NC_021163.1	Ca_kabuli_chr04	44770018	GG	AA	1940312895
SNP_P1_82242_44770053	NC_021163.1	Ca_kabuli_chr04	44770053	GG	AA	1940312896
SNP_P1_82243_44770093	NC_021163.1	Ca_kabuli_chr04	44770093	AA	GG	1940312898
SNP_P1_82244_44770098	NC_021163.1	Ca_kabuli_chr04	44770098	AA	GG	1940312900
SNP_P1_82246_44770178	NC_021163.1	Ca_kabuli_chr04	44770178	AA	GG	1940312901
SNP_P1_82247_44770185	NC_021163.1	Ca_kabuli_chr04	44770185	TT	AA	1940312903
SNP_P1_82248_44770193	NC_021163.1	Ca_kabuli_chr04	44770193	TT	AA	1940312905
SNP_P1_82249_44771276	NC_021163.1	Ca_kabuli_chr04	44771276	TT	GG	1940312906
SNP_P1_82250_44771336	NC_021163.1	Ca_kabuli_chr04	44771336	TT	CC	1940312908
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SNP_P1_82253_44771571	NC_021163.1	Ca_kabuli_chr04	44771571	CC	TT	1940312913
SNP_P1_82254_44771644	NC_021163.1	Ca_kabuli_chr04	44771644	AA	CC	1940312915
SNP_P1_82255_44771671	NC_021163.1	Ca_kabuli_chr04	44771671	TT	CC	1940312916
SNP_P1_82256_44771673	NC_021163.1	Ca_kabuli_chr04	44771673	AA	CC	1940312918
SNP_P1_82257_44771678	NC_021163.1	Ca_kabuli_chr04	44771678	CC	TT	1940312920
SNP_P1_82258_44771679	NC_021163.1	Ca_kabuli_chr04	44771679	TT	CC	1940312922
SNP_P1_82259_44771751	NC_021163.1	Ca_kabuli_chr04	44771751	AA	GG	1940312923
SNP_P1_82260_44771770	NC_021163.1	Ca_kabuli_chr04	44771770	AA	CC	1940312925
SNP_P1_82261_44771781	NC_021163.1	Ca_kabuli_chr04	44771781	GG	AA	1940312927
SNP_P1_82262_44771788	NC_021163.1	Ca_kabuli_chr04	44771788	CC	TT	1940312928
SNP_P1_82265_44773160	NC_021163.1	Ca_kabuli_chr04	44773160	CC	TT	1940312930
SNP_P1_82266_44773162	NC_021163.1	Ca_kabuli_chr04	44773162	CC	TT	1940312932
SNP_P1_82267_44773165	NC_021163.1	Ca_kabuli_chr04	44773165	AA	GG	1940312933
SNP_P1_82268_44773387	NC_021163.1	Ca_kabuli_chr04	44773387	CC	TT	1940312935
SNP_P1_82269_44773392	NC_021163.1	Ca_kabuli_chr04	44773392	CC	TT	1940312937
SNP_P1_82270_44773407	NC_021163.1	Ca_kabuli_chr04	44773407	GG	AA	1940312938
SNP_P1_82272_44773799	NC_021163.1	Ca_kabuli_chr04	44773799	TT	CC	1940312940
SNP_P1_82273_44773868	NC_021163.1	Ca_kabuli_chr04	44773868	TT	GG	1940312942
SNP_P1_82275_44773925	NC_021163.1	Ca_kabuli_chr04	44773925	GG	AA	1940312943
SNP_P1_82276_44773926	NC_021163.1	Ca_kabuli_chr04	44773926	AA	GG	1940312945
SNP_P1_82277_44773963	NC_021163.1	Ca_kabuli_chr04	44773963	AA	GG	1940312947

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82279_44774086	NC_021163.1	Ca_kabuli_chr04	44774086	AA	CC	1940312950
SNP_P1_82280_44774114	NC_021163.1	Ca_kabuli_chr04	44774114	GG	CC	1940312952
SNP_P1_82283_44776014	NC_021163.1	Ca_kabuli_chr04	44776014	CC	TT	1940312953
SNP_P1_82285_44776200	NC_021163.1	Ca_kabuli_chr04	44776200	CC	TT	1940312955
SNP_P1_82286_44776201	NC_021163.1	Ca_kabuli_chr04	44776201	GG	AA	1940312957
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SNP_P1_82296_44776765	NC_021163.1	Ca_kabuli_chr04	44776765	GG	AA	1940312973
SNP_P1_82297_44776825	NC_021163.1	Ca_kabuli_chr04	44776825	GG	AA	1940312975
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SNP_P1_82317_44780357	NC_021163.1	Ca_kabuli_chr04	44780357	CC	TT	1940313009
SNP_P1_82319_44780757	NC_021163.1	Ca_kabuli_chr04	44780757	TT	GG	1940313010
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SNP_P1_82323_44784911	NC_021163.1	Ca_kabuli_chr04	44784911	TT	CC	1940313014
SNP_P1_82324_44785331	NC_021163.1	Ca_kabuli_chr04	44785331	GG	AA	1940313015
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82329_44785962	NC_021163.1	Ca_kabuli_chr04	44785962	TT	CC	1940313022
SNP_P1_82330_44786069	NC_021163.1	Ca_kabuli_chr04	44786069	GG	CC	1940313024
SNP_P1_82331_44786203	NC_021163.1	Ca_kabuli_chr04	44786203	GG	TT	1940313025
SNP_P1_82332_44786232	NC_021163.1	Ca_kabuli_chr04	44786232	AA	CC	1940313027
SNP_P1_82333_44786246	NC_021163.1	Ca_kabuli_chr04	44786246	CC	TT	1940313029
SNP_P1_82334_44786327	NC_021163.1	Ca_kabuli_chr04	44786327	TT	CC	1940313030
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SNP_P1_82337_44786588	NC_021163.1	Ca_kabuli_chr04	44786588	TT	AA	1940313034
SNP_P1_82338_44786715	NC_021163.1	Ca_kabuli_chr04	44786715	AA	GG	1940313035
SNP_P1_82339_44786724	NC_021163.1	Ca_kabuli_chr04	44786724	TT	CC	1940313037
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SNP_P1_82341_44790608	NC_021163.1	Ca_kabuli_chr04	44790608	AA	TT	1940313040
SNP_P1_82342_44790618	NC_021163.1	Ca_kabuli_chr04	44790618	TT	CC	1940313042
SNP_P1_82344_44790786	NC_021163.1	Ca_kabuli_chr04	44790786	AA	GG	1940313044
SNP_P1_82345_44791046	NC_021163.1	Ca_kabuli_chr04	44791046	GG	CC	1940313045
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SNP_P1_82360_44795740	NC_021163.1	Ca_kabuli_chr04	44795740	GG	AA	1940313067
SNP_P1_82361_44795791	NC_021163.1	Ca_kabuli_chr04	44795791	CC	AA	1940313069
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SNP_P1_82367_44799515	NC_021163.1	Ca_kabuli_chr04	44799515	TT	GG	1940313077
SNP_P1_82368_44799516	NC_021163.1	Ca_kabuli_chr04	44799516	GG	AA	1940313079
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SNP_P1_82371_44816284	NC_021163.1	Ca_kabuli_chr04	44816284	CC	TT	1940313082
SNP_P1_82372_44816551	NC_021163.1	Ca_kabuli_chr04	44816551	TT	AA	1940313084
SNP_P1_82373_44817564	NC_021163.1	Ca_kabuli_chr04	44817564	GG	AA	1940313086
SNP_P1_82374_44819602	NC_021163.1	Ca_kabuli_chr04	44819602	AA	GG	1940313088

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82377_44819682	NC_021163.1	Ca_kabuli_chr04	44819682	AA	GG	1940313093
SNP_P1_82378_44819941	NC_021163.1	Ca_kabuli_chr04	44819941	TT	CC	1940313094
SNP_P1_82379_44819988	NC_021163.1	Ca_kabuli_chr04	44819988	CC	TT	1940313096
SNP_P1_82380_44820024	NC_021163.1	Ca_kabuli_chr04	44820024	GG	TT	1940313098
SNP_P1_82381_44820050	NC_021163.1	Ca_kabuli_chr04	44820050	TT	CC	1940313099
SNP_P1_82382_44820055	NC_021163.1	Ca_kabuli_chr04	44820055	CC	AA	1940313101
SNP_P1_82383_44820094	NC_021163.1	Ca_kabuli_chr04	44820094	CC	TT	1940313103
SNP_P1_82384_44821066	NC_021163.1	Ca_kabuli_chr04	44821066	AA	GG	1940313104
SNP_P1_82385_44821704	NC_021163.1	Ca_kabuli_chr04	44821704	CC	GG	1940313106
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SNP_P1_82387_44825276	NC_021163.1	Ca_kabuli_chr04	44825276	AA	TT	1940313109
SNP_P1_82391_44831318	NC_021163.1	Ca_kabuli_chr04	44831318	TT	CC	1940313111
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SNP_P1_82400_44833076	NC_021163.1	Ca_kabuli_chr04	44833076	GG	AA	1940313126
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SNP_P1_82409_44836845	NC_021163.1	Ca_kabuli_chr04	44836845	TT	AA	1940313136
SNP_P1_82410_44837092	NC_021163.1	Ca_kabuli_chr04	44837092	TT	CC	1940313138
SNP_P1_82411_44837120	NC_021163.1	Ca_kabuli_chr04	44837120	AA	CC	1940313140
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SNP_P1_82414_44837685	NC_021163.1	Ca_kabuli_chr04	44837685	CC	TT	1940313143
SNP_P1_82415_44837756	NC_021163.1	Ca_kabuli_chr04	44837756	TT	GG	1940313145
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SNP_P1_82422_44838857	NC_021163.1	Ca_kabuli_chr04	44838857	TT	AA	1940313153
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SNP_P1_82424_44838971	NC_021163.1	Ca_kabuli_chr04	44838971	AA	GG	1940313156
SNP_P1_82425_44839006	NC_021163.1	Ca_kabuli_chr04	44839006	GG	TT	1940313158

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82428_44839105	NC_021163.1	Ca_kabuli_chr04	44839105	CC	TT	1940313163
SNP_P1_82429_44839113	NC_021163.1	Ca_kabuli_chr04	44839113	AA	GG	1940313165
SNP_P1_82430_44839199	NC_021163.1	Ca_kabuli_chr04	44839199	GG	AA	1940313166
SNP_P1_82431_44839225	NC_021163.1	Ca_kabuli_chr04	44839225	GG	TT	1940313168
SNP_P1_82432_44839243	NC_021163.1	Ca_kabuli_chr04	44839243	GG	AA	1940313170
SNP_P1_82433_44839279	NC_021163.1	Ca_kabuli_chr04	44839279	GG	AA	1940313171
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SNP_P1_82438_44841290	NC_021163.1	Ca_kabuli_chr04	44841290	AA	TT	1940313180
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SNP_P1_82440_44841747	NC_021163.1	Ca_kabuli_chr04	44841747	AA	GG	1940313183
SNP_P1_82442_44843332	NC_021163.1	Ca_kabuli_chr04	44843332	TT	CC	1940313185
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SNP_P1_82470_44847028	NC_021163.1	Ca_kabuli_chr04	44847028	GG	AA	1940313227
SNP_P1_82471_44847398	NC_021163.1	Ca_kabuli_chr04	44847398	AA	CC	1940313229

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82481_44850500	NC_021163.1	Ca_kabuli_chr04	44850500	CC	GG	1940313244
SNP_P1_82482_44851123	NC_021163.1	Ca_kabuli_chr04	44851123	AA	TT	1940313245
SNP_P1_82483_44851233	NC_021163.1	Ca_kabuli_chr04	44851233	AA	GG	1940313247
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SNP_P1_82485_44854023	NC_021163.1	Ca_kabuli_chr04	44854023	TT	CC	1940313250
SNP_P1_82486_44854409	NC_021163.1	Ca_kabuli_chr04	44854409	AA	TT	1940313252
SNP_P1_82488_44854674	NC_021163.1	Ca_kabuli_chr04	44854674	AA	CC	1940313254
SNP_P1_82489_44854797	NC_021163.1	Ca_kabuli_chr04	44854797	TT	AA	1940313255
SNP_P1_82490_44854883	NC_021163.1	Ca_kabuli_chr04	44854883	AA	TT	1940313257
SNP_P1_82491_44854958	NC_021163.1	Ca_kabuli_chr04	44854958	CC	TT	1940313259
SNP_P1_82492_44854963	NC_021163.1	Ca_kabuli_chr04	44854963	GG	AA	1940313260
SNP_P1_82493_44855291	NC_021163.1	Ca_kabuli_chr04	44855291	TT	CC	1940313262
SNP_P1_82494_44855687	NC_021163.1	Ca_kabuli_chr04	44855687	TT	AA	1940313264
SNP_P1_82495_44855822	NC_021163.1	Ca_kabuli_chr04	44855822	TT	CC	1940313266
SNP_P1_82496_44855833	NC_021163.1	Ca_kabuli_chr04	44855833	TT	CC	1940313267
SNP_P1_82497_44855968	NC_021163.1	Ca_kabuli_chr04	44855968	TT	CC	1940313269
SNP_P1_82498_44856051	NC_021163.1	Ca_kabuli_chr04	44856051	GG	AA	1940313271
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SNP_P1_82500_44856070	NC_021163.1	Ca_kabuli_chr04	44856070	CC	TT	1940313274
SNP_P1_82501_44856162	NC_021163.1	Ca_kabuli_chr04	44856162	TT	AA	1940313276
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SNP_P1_82503_44856367	NC_021163.1	Ca_kabuli_chr04	44856367	CC	TT	1940313279
SNP_P1_82504_44856368	NC_021163.1	Ca_kabuli_chr04	44856368	AA	GG	1940313281
SNP_P1_82505_44856372	NC_021163.1	Ca_kabuli_chr04	44856372	TT	GG	1940313282
SNP_P1_82506_44856410	NC_021163.1	Ca_kabuli_chr04	44856410	CC	GG	1940313284
SNP_P1_82507_44856428	NC_021163.1	Ca_kabuli_chr04	44856428	CC	TT	1940313286
SNP_P1_82508_44856767	NC_021163.1	Ca_kabuli_chr04	44856767	CC	TT	1940313287
SNP_P1_82509_44856772	NC_021163.1	Ca_kabuli_chr04	44856772	TT	CC	1940313289
SNP_P1_82510_44856798	NC_021163.1	Ca_kabuli_chr04	44856798	GG	AA	1940313291
SNP_P1_82511_44857797	NC_021163.1	Ca_kabuli_chr04	44857797	GG	CC	1940313292
SNP_P1_82512_44857803	NC_021163.1	Ca_kabuli_chr04	44857803	TT	CC	1940313294
SNP_P1_82513_44858993	NC_021163.1	Ca_kabuli_chr04	44858993	AA	TT	1940313296
SNP_P1_82514_44859006	NC_021163.1	Ca_kabuli_chr04	44859006	CC	GG	1940313297
SNP_P1_82515_44859340	NC_021163.1	Ca_kabuli_chr04	44859340	GG	TT	1940313299

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82518_44862195	NC_021163.1	Ca_kabuli_chr04	44862195	TT	CC	1940313304
SNP_P1_82519_44862259	NC_021163.1	Ca_kabuli_chr04	44862259	CC	GG	1940313306
SNP_P1_82520_44863175	NC_021163.1	Ca_kabuli_chr04	44863175	AA	GG	1940313307
SNP_P1_82521_44863365	NC_021163.1	Ca_kabuli_chr04	44863365	GG	CC	1940313309
SNP_P1_82522_44863384	NC_021163.1	Ca_kabuli_chr04	44863384	AA	TT	1940313311
SNP_P1_82523_44863601	NC_021163.1	Ca_kabuli_chr04	44863601	GG	AA	1940313312
SNP_P1_82524_44863616	NC_021163.1	Ca_kabuli_chr04	44863616	TT	CC	1940313314
SNP_P1_82525_44864223	NC_021163.1	Ca_kabuli_chr04	44864223	GG	AA	1940313316
SNP_P1_82526_44864539	NC_021163.1	Ca_kabuli_chr04	44864539	TT	CC	1940313317
SNP_P1_82527_44864559	NC_021163.1	Ca_kabuli_chr04	44864559	CC	TT	1940313319
SNP_P1_82529_44864808	NC_021163.1	Ca_kabuli_chr04	44864808	GG	CC	1940313321
SNP_P1_82530_44864828	NC_021163.1	Ca_kabuli_chr04	44864828	AA	GG	1940313323
SNP_P1_82532_44865191	NC_021163.1	Ca_kabuli_chr04	44865191	CC	TT	1940313324
SNP_P1_82533_44865317	NC_021163.1	Ca_kabuli_chr04	44865317	AA	TT	1940313326
SNP_P1_82534_44865484	NC_021163.1	Ca_kabuli_chr04	44865484	AA	GG	1940313328
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SNP_P1_82537_44865722	NC_021163.1	Ca_kabuli_chr04	44865722	GG	AA	1940313331
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SNP_P1_82540_44866015	NC_021163.1	Ca_kabuli_chr04	44866015	GG	AA	1940313336
SNP_P1_82541_44866023	NC_021163.1	Ca_kabuli_chr04	44866023	TT	AA	1940313338
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SNP_P1_82550_44869660	NC_021163.1	Ca_kabuli_chr04	44869660	AA	CC	1940313349
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SNP_P1_82555_44872676	NC_021163.1	Ca_kabuli_chr04	44872676	GG	AA	1940313357
SNP_P1_82556_44872699	NC_021163.1	Ca_kabuli_chr04	44872699	AA	GG	1940313359
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SNP_P1_82559_44874527	NC_021163.1	Ca_kabuli_chr04	44874527	GG	AA	1940313363
SNP_P1_82560_44874721	NC_021163.1	Ca_kabuli_chr04	44874721	AA	GG	1940313365
SNP_P1_82562_44877916	NC_021163.1	Ca_kabuli_chr04	44877916	GG	AA	1940313367
SNP_P1_82563_44878120	NC_021163.1	Ca_kabuli_chr04	44878120	CC	AA	1940313369
SNP_P1_82565_44879129	NC_021163.1	Ca_kabuli_chr04	44879129	TT	GG	1940313371
SNP_P1_82566_44879149	NC_021163.1	Ca_kabuli_chr04	44879149	GG	AA	1940313373

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82569_44879424	NC_021163.1	Ca_kabuli_chr04	44879424	TT	GG	1940313378
SNP_P1_82570_44879436	NC_021163.1	Ca_kabuli_chr04	44879436	TT	CC	1940313379
SNP_P1_82571_44879448	NC_021163.1	Ca_kabuli_chr04	44879448	TT	CC	1940313381
SNP_P1_82572_44879455	NC_021163.1	Ca_kabuli_chr04	44879455	AA	TT	1940313383
SNP_P1_82573_44880759	NC_021163.1	Ca_kabuli_chr04	44880759	CC	AA	1940313384
SNP_P1_82574_44880770	NC_021163.1	Ca_kabuli_chr04	44880770	AA	GG	1940313386
SNP_P1_82575_44880796	NC_021163.1	Ca_kabuli_chr04	44880796	GG	AA	1940313388
SNP_P1_82576_44880819	NC_021163.1	Ca_kabuli_chr04	44880819	GG	TT	1940313389
SNP_P1_82578_44880948	NC_021163.1	Ca_kabuli_chr04	44880948	GG	AA	1940313391
SNP_P1_82580_44881792	NC_021163.1	Ca_kabuli_chr04	44881792	CC	TT	1940313393
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SNP_P1_82590_44884191	NC_021163.1	Ca_kabuli_chr04	44884191	CC	AA	1940313409
SNP_P1_82591_44884329	NC_021163.1	Ca_kabuli_chr04	44884329	AA	GG	1940313411
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SNP_P1_82593_44884574	NC_021163.1	Ca_kabuli_chr04	44884574	AA	GG	1940313414
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SNP_P1_82597_44884944	NC_021163.1	Ca_kabuli_chr04	44884944	AA	CC	1940313421
SNP_P1_82598_44884977	NC_021163.1	Ca_kabuli_chr04	44884977	AA	GG	1940313423
SNP_P1_82599_44884981	NC_021163.1	Ca_kabuli_chr04	44884981	TT	AA	1940313424
SNP_P1_82601_44885347	NC_021163.1	Ca_kabuli_chr04	44885347	AA	GG	1940313426
SNP_P1_82602_44885385	NC_021163.1	Ca_kabuli_chr04	44885385	AA	GG	1940313428
SNP_P1_82603_44885389	NC_021163.1	Ca_kabuli_chr04	44885389	TT	CC	1940313429
SNP_P1_82604_44885770	NC_021163.1	Ca_kabuli_chr04	44885770	AA	GG	1940313431
SNP_P1_82605_44885934	NC_021163.1	Ca_kabuli_chr04	44885934	CC	TT	1940313433
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SNP_P1_82607_44886049	NC_021163.1	Ca_kabuli_chr04	44886049	GG	AA	1940313436
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SNP_P1_82609_44886146	NC_021163.1	Ca_kabuli_chr04	44886146	TT	CC	1940313440
SNP_P1_82610_44886225	NC_021163.1	Ca_kabuli_chr04	44886225	TT	CC	1940313441
SNP_P1_82611_44886259	NC_021163.1	Ca_kabuli_chr04	44886259	GG	AA	1940313443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82615_44886584	NC_021163.1	Ca_kabuli_chr04	44886584	TT	AA	1940313448
SNP_P1_82616_44886741	NC_021163.1	Ca_kabuli_chr04	44886741	TT	GG	1940313450
SNP_P1_82618_44889809	NC_021163.1	Ca_kabuli_chr04	44889809	CC	TT	1940313451
SNP_P1_82619_44889846	NC_021163.1	Ca_kabuli_chr04	44889846	TT	GG	1940313453
SNP_P1_82620_44890427	NC_021163.1	Ca_kabuli_chr04	44890427	TT	GG	1940313455
SNP_P1_82621_44890428	NC_021163.1	Ca_kabuli_chr04	44890428	AA	GG	1940313456
SNP_P1_82622_44890439	NC_021163.1	Ca_kabuli_chr04	44890439	TT	AA	1940313458
SNP_P1_82623_44890499	NC_021163.1	Ca_kabuli_chr04	44890499	AA	GG	1940313460
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SNP_P1_82626_44890682	NC_021163.1	Ca_kabuli_chr04	44890682	GG	AA	1940313465
SNP_P1_82627_44890724	NC_021163.1	Ca_kabuli_chr04	44890724	CC	TT	1940313466
SNP_P1_82628_44890774	NC_021163.1	Ca_kabuli_chr04	44890774	AA	GG	1940313468
SNP_P1_82629_44890798	NC_021163.1	Ca_kabuli_chr04	44890798	TT	GG	1940313470
SNP_P1_82630_44890835	NC_021163.1	Ca_kabuli_chr04	44890835	AA	GG	1940313471
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SNP_P1_82632_44897339	NC_021163.1	Ca_kabuli_chr04	44897339	AA	TT	1940313475
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SNP_P1_82635_44897382	NC_021163.1	Ca_kabuli_chr04	44897382	TT	CC	1940313480
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SNP_P1_82646_44902417	NC_021163.1	Ca_kabuli_chr04	44902417	TT	AA	1940313495
SNP_P1_82647_44902526	NC_021163.1	Ca_kabuli_chr04	44902526	AA	TT	1940313496
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SNP_P1_82652_44904709	NC_021163.1	Ca_kabuli_chr04	44904709	AA	GG	1940313503
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SNP_P1_82658_44905211	NC_021163.1	Ca_kabuli_chr04	44905211	CC	TT	1940313508
SNP_P1_82659_44905220	NC_021163.1	Ca_kabuli_chr04	44905220	TT	CC	1940313510
SNP_P1_82660_44905273	NC_021163.1	Ca_kabuli_chr04	44905273	GG	CC	1940313511
SNP_P1_82661_44905317	NC_021163.1	Ca_kabuli_chr04	44905317	AA	TT	1940313513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82665_44905687	NC_021163.1	Ca_kabuli_chr04	44905687	AA	TT	1940313520
SNP_P1_82666_44905938	NC_021163.1	Ca_kabuli_chr04	44905938	AA	GG	1940313522
SNP_P1_82667_44906128	NC_021163.1	Ca_kabuli_chr04	44906128	CC	AA	1940313523
SNP_P1_82669_44907530	NC_021163.1	Ca_kabuli_chr04	44907530	CC	TT	1940313525
SNP_P1_82670_44907549	NC_021163.1	Ca_kabuli_chr04	44907549	GG	AA	1940313527
SNP_P1_82671_44907566	NC_021163.1	Ca_kabuli_chr04	44907566	GG	AA	1940313528
SNP_P1_82672_44907698	NC_021163.1	Ca_kabuli_chr04	44907698	AA	GG	1940313530
SNP_P1_82673_44907913	NC_021163.1	Ca_kabuli_chr04	44907913	CC	TT	1940313532
SNP_P1_82674_44907955	NC_021163.1	Ca_kabuli_chr04	44907955	CC	TT	1940313533
SNP_P1_82676_44909684	NC_021163.1	Ca_kabuli_chr04	44909684	GG	TT	1940313535
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SNP_P1_82678_44909712	NC_021163.1	Ca_kabuli_chr04	44909712	AA	TT	1940313539
SNP_P1_82680_44910035	NC_021163.1	Ca_kabuli_chr04	44910035	GG	CC	1940313540
SNP_P1_82681_44910074	NC_021163.1	Ca_kabuli_chr04	44910074	AA	CC	1940313542
SNP_P1_82682_44910135	NC_021163.1	Ca_kabuli_chr04	44910135	CC	AA	1940313544
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SNP_P1_82684_44910617	NC_021163.1	Ca_kabuli_chr04	44910617	CC	AA	1940313547
SNP_P1_82685_44910622	NC_021163.1	Ca_kabuli_chr04	44910622	GG	CC	1940313549
SNP_P1_82686_44910706	NC_021163.1	Ca_kabuli_chr04	44910706	GG	CC	1940313550
SNP_P1_82688_44913246	NC_021163.1	Ca_kabuli_chr04	44913246	AA	TT	1940313552
SNP_P1_82689_44913269	NC_021163.1	Ca_kabuli_chr04	44913269	CC	TT	1940313554
SNP_P1_82690_44913321	NC_021163.1	Ca_kabuli_chr04	44913321	TT	AA	1940313556
SNP_P1_82691_44913550	NC_021163.1	Ca_kabuli_chr04	44913550	GG	AA	1940313558
SNP_P1_82692_44913595	NC_021163.1	Ca_kabuli_chr04	44913595	CC	TT	1940313559
SNP_P1_82693_44913921	NC_021163.1	Ca_kabuli_chr04	44913921	TT	CC	1940313561
SNP_P1_82694_44915223	NC_021163.1	Ca_kabuli_chr04	44915223	TT	CC	1940313563
SNP_P1_82695_44915326	NC_021163.1	Ca_kabuli_chr04	44915326	TT	CC	1940313565
SNP_P1_82696_44915345	NC_021163.1	Ca_kabuli_chr04	44915345	GG	CC	1940313566
SNP_P1_82697_44915347	NC_021163.1	Ca_kabuli_chr04	44915347	CC	TT	1940313568
SNP_P1_82698_44915360	NC_021163.1	Ca_kabuli_chr04	44915360	TT	CC	1940313570
SNP_P1_82699_44915368	NC_021163.1	Ca_kabuli_chr04	44915368	CC	TT	1940313571
SNP_P1_82700_44915387	NC_021163.1	Ca_kabuli_chr04	44915387	CC	GG	1940313573
SNP_P1_82701_44915417	NC_021163.1	Ca_kabuli_chr04	44915417	AA	GG	1940313575
SNP_P1_82702_44915585	NC_021163.1	Ca_kabuli_chr04	44915585	CC	TT	1940313577
SNP_P1_82703_44915615	NC_021163.1	Ca_kabuli_chr04	44915615	CC	TT	1940313578
SNP_P1_82704_44915630	NC_021163.1	Ca_kabuli_chr04	44915630	AA	GG	1940313580
SNP_P1_82705_44915876	NC_021163.1	Ca_kabuli_chr04	44915876	TT	CC	1940313582
SNP_P1_82706_44915887	NC_021163.1	Ca_kabuli_chr04	44915887	AA	GG	1940313584
SNP_P1_82707_44915892	NC_021163.1	Ca_kabuli_chr04	44915892	TT	CC	1940313585

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82709_44915899	NC_021163.1	Ca_kabuli_chr04	44915899	CC	TT	1940313589
SNP_P1_82710_44915900	NC_021163.1	Ca_kabuli_chr04	44915900	CC	TT	1940313591
SNP_P1_82711_44917187	NC_021163.1	Ca_kabuli_chr04	44917187	AA	GG	1940313592
SNP_P1_82713_44917559	NC_021163.1	Ca_kabuli_chr04	44917559	CC	GG	1940313594
SNP_P1_82714_44917788	NC_021163.1	Ca_kabuli_chr04	44917788	CC	TT	1940313596
SNP_P1_82715_44917802	NC_021163.1	Ca_kabuli_chr04	44917802	GG	TT	1940313598
SNP_P1_82716_44917833	NC_021163.1	Ca_kabuli_chr04	44917833	GG	AA	1940313599
SNP_P1_82717_44918612	NC_021163.1	Ca_kabuli_chr04	44918612	GG	AA	1940313601
SNP_P1_82718_44918666	NC_021163.1	Ca_kabuli_chr04	44918666	TT	CC	1940313603
SNP_P1_82719_44918708	NC_021163.1	Ca_kabuli_chr04	44918708	TT	CC	1940313605
SNP_P1_82720_44919105	NC_021163.1	Ca_kabuli_chr04	44919105	TT	CC	1940313606
SNP_P1_82721_44921172	NC_021163.1	Ca_kabuli_chr04	44921172	GG	AA	1940313608
SNP_P1_82722_44921315	NC_021163.1	Ca_kabuli_chr04	44921315	GG	CC	1940313610
SNP_P1_82723_44921335	NC_021163.1	Ca_kabuli_chr04	44921335	GG	CC	1940313612
SNP_P1_82724_44921497	NC_021163.1	Ca_kabuli_chr04	44921497	AA	CC	1940313613
SNP_P1_82725_44921563	NC_021163.1	Ca_kabuli_chr04	44921563	TT	CC	1940313615
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SNP_P1_82727_44921594	NC_021163.1	Ca_kabuli_chr04	44921594	AA	GG	1940313619
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SNP_P1_82729_44921667	NC_021163.1	Ca_kabuli_chr04	44921667	CC	AA	1940313623
SNP_P1_82730_44921685	NC_021163.1	Ca_kabuli_chr04	44921685	CC	TT	1940313624
SNP_P1_82731_44921706	NC_021163.1	Ca_kabuli_chr04	44921706	CC	TT	1940313626
SNP_P1_82732_44922050	NC_021163.1	Ca_kabuli_chr04	44922050	TT	CC	1940313628
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SNP_P1_82734_44925167	NC_021163.1	Ca_kabuli_chr04	44925167	TT	CC	1940313631
SNP_P1_82735_44925182	NC_021163.1	Ca_kabuli_chr04	44925182	AA	GG	1940313633
SNP_P1_82737_44926408	NC_021163.1	Ca_kabuli_chr04	44926408	TT	AA	1940313635
SNP_P1_82738_44926425	NC_021163.1	Ca_kabuli_chr04	44926425	GG	TT	1940313637
SNP_P1_82739_44926429	NC_021163.1	Ca_kabuli_chr04	44926429	CC	TT	1940313638
SNP_P1_82740_44926459	NC_021163.1	Ca_kabuli_chr04	44926459	TT	CC	1940313640
SNP_P1_82741_44927339	NC_021163.1	Ca_kabuli_chr04	44927339	GG	AA	1940313642
SNP_P1_82742_44927349	NC_021163.1	Ca_kabuli_chr04	44927349	TT	CC	1940313644
SNP_P1_82743_44927625	NC_021163.1	Ca_kabuli_chr04	44927625	TT	CC	1940313645
SNP_P1_82744_44928320	NC_021163.1	Ca_kabuli_chr04	44928320	GG	AA	1940313647
SNP_P1_82745_44928692	NC_021163.1	Ca_kabuli_chr04	44928692	AA	CC	1940313649
SNP_P1_82746_44928800	NC_021163.1	Ca_kabuli_chr04	44928800	TT	CC	1940313651
SNP_P1_82747_44931401	NC_021163.1	Ca_kabuli_chr04	44931401	CC	AA	1940313652
SNP_P1_82748_44931442	NC_021163.1	Ca_kabuli_chr04	44931442	AA	GG	1940313654
SNP_P1_82749_44931443	NC_021163.1	Ca_kabuli_chr04	44931443	AA	GG	1940313656
SNP_P1_82750_44931999	NC_021163.1	Ca_kabuli_chr04	44931999	CC	TT	1940313658
SNP_P1_82751_44932084	NC_021163.1	Ca_kabuli_chr04	44932084	AA	TT	1940313659

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82755_44932486	NC_021163.1	Ca_kabuli_chr04	44932486	GG	AA	1940313664
SNP_P1_82756_44933254	NC_021163.1	Ca_kabuli_chr04	44933254	TT	CC	1940313666
SNP_P1_82757_44933309	NC_021163.1	Ca_kabuli_chr04	44933309	AA	GG	1940313668
SNP_P1_82759_44933506	NC_021163.1	Ca_kabuli_chr04	44933506	CC	AA	1940313670
SNP_P1_82761_44933562	NC_021163.1	Ca_kabuli_chr04	44933562	TT	GG	1940313671
SNP_P1_82762_44933566	NC_021163.1	Ca_kabuli_chr04	44933566	TT	GG	1940313673
SNP_P1_82763_44935023	NC_021163.1	Ca_kabuli_chr04	44935023	GG	CC	1940313675
SNP_P1_82764_44935140	NC_021163.1	Ca_kabuli_chr04	44935140	CC	TT	1940313677
SNP_P1_82765_44935160	NC_021163.1	Ca_kabuli_chr04	44935160	TT	GG	1940313678
SNP_P1_82766_44935192	NC_021163.1	Ca_kabuli_chr04	44935192	AA	TT	1940313680
SNP_P1_82767_44935199	NC_021163.1	Ca_kabuli_chr04	44935199	TT	CC	1940313682
SNP_P1_82768_44935209	NC_021163.1	Ca_kabuli_chr04	44935209	GG	AA	1940313684
SNP_P1_82769_44935213	NC_021163.1	Ca_kabuli_chr04	44935213	GG	CC	1940313685
SNP_P1_82770_44935225	NC_021163.1	Ca_kabuli_chr04	44935225	AA	TT	1940313687
SNP_P1_82771_44935264	NC_021163.1	Ca_kabuli_chr04	44935264	TT	AA	1940313689
SNP_P1_82772_44935323	NC_021163.1	Ca_kabuli_chr04	44935323	CC	AA	1940313690
SNP_P1_82774_44936710	NC_021163.1	Ca_kabuli_chr04	44936710	TT	GG	1940313692
SNP_P1_82775_44936793	NC_021163.1	Ca_kabuli_chr04	44936793	AA	GG	1940313694
SNP_P1_82776_44936918	NC_021163.1	Ca_kabuli_chr04	44936918	CC	TT	1940313695
SNP_P1_82779_44938624	NC_021163.1	Ca_kabuli_chr04	44938624	GG	AA	1940313697
SNP_P1_82780_44938873	NC_021163.1	Ca_kabuli_chr04	44938873	GG	AA	1940313699
SNP_P1_82781_44938892	NC_021163.1	Ca_kabuli_chr04	44938892	GG	AA	1940313700
SNP_P1_82782_44938896	NC_021163.1	Ca_kabuli_chr04	44938896	GG	AA	1940313702
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SNP_P1_82784_44939447	NC_021163.1	Ca_kabuli_chr04	44939447	AA	GG	1940313705
SNP_P1_82785_44939464	NC_021163.1	Ca_kabuli_chr04	44939464	AA	GG	1940313707
SNP_P1_82786_44939483	NC_021163.1	Ca_kabuli_chr04	44939483	CC	TT	1940313709
SNP_P1_82787_44939529	NC_021163.1	Ca_kabuli_chr04	44939529	GG	AA	1940313710
SNP_P1_82788_44939537	NC_021163.1	Ca_kabuli_chr04	44939537	TT	CC	1940313712
SNP_P1_82789_44939545	NC_021163.1	Ca_kabuli_chr04	44939545	AA	GG	1940313714
SNP_P1_82791_44939729	NC_021163.1	Ca_kabuli_chr04	44939729	AA	GG	1940313715
SNP_P1_82792_44939741	NC_021163.1	Ca_kabuli_chr04	44939741	AA	GG	1940313717
SNP_P1_82793_44939745	NC_021163.1	Ca_kabuli_chr04	44939745	TT	GG	1940313719
SNP_P1_82795_44939993	NC_021163.1	Ca_kabuli_chr04	44939993	GG	AA	1940313721
SNP_P1_82796_44940015	NC_021163.1	Ca_kabuli_chr04	44940015	GG	TT	1940313722
SNP_P1_82797_44940045	NC_021163.1	Ca_kabuli_chr04	44940045	AA	TT	1940313724
SNP_P1_82798_44940063	NC_021163.1	Ca_kabuli_chr04	44940063	CC	GG	1940313726
SNP_P1_82799_44940107	NC_021163.1	Ca_kabuli_chr04	44940107	GG	TT	1940313727
SNP_P1_82800_44940115	NC_021163.1	Ca_kabuli_chr04	44940115	AA	GG	1940313729
SNP_P1_82801_44940153	NC_021163.1	Ca_kabuli_chr04	44940153	CC	GG	1940313731

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82804_44944584	NC_021163.1	Ca_kabuli_chr04	44944584	AA	TT	1940313736
SNP_P1_82805_44944586	NC_021163.1	Ca_kabuli_chr04	44944586	GG	CC	1940313737
SNP_P1_82806_44944590	NC_021163.1	Ca_kabuli_chr04	44944590	AA	GG	1940313739
SNP_P1_82807_44944705	NC_021163.1	Ca_kabuli_chr04	44944705	GG	AA	1940313741
SNP_P1_82809_44945780	NC_021163.1	Ca_kabuli_chr04	44945780	CC	TT	1940313742
SNP_P1_82810_44946044	NC_021163.1	Ca_kabuli_chr04	44946044	CC	TT	1940313744
SNP_P1_82813_44946812	NC_021163.1	Ca_kabuli_chr04	44946812	GG	AA	1940313746
SNP_P1_82814_44947150	NC_021163.1	Ca_kabuli_chr04	44947150	TT	CC	1940313747
SNP_P1_82815_44947406	NC_021163.1	Ca_kabuli_chr04	44947406	GG	AA	1940313749
SNP_P1_82816_44947721	NC_021163.1	Ca_kabuli_chr04	44947721	AA	GG	1940313751
SNP_P1_82817_44947802	NC_021163.1	Ca_kabuli_chr04	44947802	AA	GG	1940313753
SNP_P1_82818_44947807	NC_021163.1	Ca_kabuli_chr04	44947807	GG	AA	1940313755
SNP_P1_82819_44947820	NC_021163.1	Ca_kabuli_chr04	44947820	GG	AA	1940313756
SNP_P1_82820_44947841	NC_021163.1	Ca_kabuli_chr04	44947841	AA	GG	1940313758
SNP_P1_82821_44947868	NC_021163.1	Ca_kabuli_chr04	44947868	GG	AA	1940313760
SNP_P1_82822_44947878	NC_021163.1	Ca_kabuli_chr04	44947878	AA	TT	1940313761
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SNP_P1_82826_44949061	NC_021163.1	Ca_kabuli_chr04	44949061	TT	AA	1940313768
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SNP_P1_82831_44950870	NC_021163.1	Ca_kabuli_chr04	44950870	AA	GG	1940313776
SNP_P1_82832_44951028	NC_021163.1	Ca_kabuli_chr04	44951028	CC	AA	1940313778
SNP_P1_82833_44951074	NC_021163.1	Ca_kabuli_chr04	44951074	TT	CC	1940313780
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SNP_P1_82837_44952217	NC_021163.1	Ca_kabuli_chr04	44952217	TT	CC	1940313786
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SNP_P1_82841_44953454	NC_021163.1	Ca_kabuli_chr04	44953454	TT	AA	1940313791
SNP_P1_82842_44953743	NC_021163.1	Ca_kabuli_chr04	44953743	TT	AA	1940313793
SNP_P1_82843_44953759	NC_021163.1	Ca_kabuli_chr04	44953759	AA	TT	1940313795
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SNP_P1_82845_44955002	NC_021163.1	Ca_kabuli_chr04	44955002	AA	CC	1940313798
SNP_P1_82846_44955266	NC_021163.1	Ca_kabuli_chr04	44955266	GG	CC	1940313800
SNP_P1_82847_44956991	NC_021163.1	Ca_kabuli_chr04	44956991	CC	TT	1940313802

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82850_44961011	NC_021163.1	Ca_kabuli_chr04	44961011	AA	GG	1940313807
SNP_P1_82851_44962414	NC_021163.1	Ca_kabuli_chr04	44962414	GG	AA	1940313808
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SNP_P1_82853_44962467	NC_021163.1	Ca_kabuli_chr04	44962467	AA	GG	1940313812
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SNP_P1_82855_44965175	NC_021163.1	Ca_kabuli_chr04	44965175	GG	TT	1940313815
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SNP_P1_82863_44969715	NC_021163.1	Ca_kabuli_chr04	44969715	TT	CC	1940313823
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SNP_P1_82866_44970229	NC_021163.1	Ca_kabuli_chr04	44970229	TT	CC	1940313828
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SNP_P1_82869_44970263	NC_021163.1	Ca_kabuli_chr04	44970263	AA	TT	1940313833
SNP_P1_82870_44970445	NC_021163.1	Ca_kabuli_chr04	44970445	CC	AA	1940313835
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SNP_P1_82873_44971178	NC_021163.1	Ca_kabuli_chr04	44971178	TT	AA	1940313838
SNP_P1_82874_44972279	NC_021163.1	Ca_kabuli_chr04	44972279	TT	CC	1940313840
SNP_P1_82875_44973866	NC_021163.1	Ca_kabuli_chr04	44973866	GG	AA	1940313842
SNP_P1_82876_44973872	NC_021163.1	Ca_kabuli_chr04	44973872	AA	GG	1940313843
SNP_P1_82877_44974188	NC_021163.1	Ca_kabuli_chr04	44974188	AA	GG	1940313845
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SNP_P1_82880_44976310	NC_021163.1	Ca_kabuli_chr04	44976310	CC	TT	1940313850
SNP_P1_82881_44976355	NC_021163.1	Ca_kabuli_chr04	44976355	AA	CC	1940313852
SNP_P1_82882_44976362	NC_021163.1	Ca_kabuli_chr04	44976362	TT	AA	1940313853
SNP_P1_82883_44976385	NC_021163.1	Ca_kabuli_chr04	44976385	GG	AA	1940313855
SNP_P1_82884_44976561	NC_021163.1	Ca_kabuli_chr04	44976561	AA	GG	1940313857
SNP_P1_82885_44976592	NC_021163.1	Ca_kabuli_chr04	44976592	TT	GG	1940313859
SNP_P1_82886_44977272	NC_021163.1	Ca_kabuli_chr04	44977272	TT	GG	1940313860
SNP_P1_82887_44977324	NC_021163.1	Ca_kabuli_chr04	44977324	AA	GG	1940313862
SNP_P1_82888_44977845	NC_021163.1	Ca_kabuli_chr04	44977845	CC	TT	1940313864
SNP_P1_82889_44978010	NC_021163.1	Ca_kabuli_chr04	44978010	AA	GG	1940313865
SNP_P1_82890_44978046	NC_021163.1	Ca_kabuli_chr04	44978046	GG	TT	1940313867
SNP_P1_82891_44978071	NC_021163.1	Ca_kabuli_chr04	44978071	AA	TT	1940313869
SNP_P1_82892_44978291	NC_021163.1	Ca_kabuli_chr04	44978291	TT	CC	1940313870
SNP_P1_82893_44978292	NC_021163.1	Ca_kabuli_chr04	44978292	TT	CC	1940313872

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82895_44979324	NC_021163.1	Ca_kabuli_chr04	44979324	GG	AA	1940313875
SNP_P1_82896_44979655	NC_021163.1	Ca_kabuli_chr04	44979655	TT	GG	1940313877
SNP_P1_82897_44979668	NC_021163.1	Ca_kabuli_chr04	44979668	GG	TT	1940313879
SNP_P1_82898_44979747	NC_021163.1	Ca_kabuli_chr04	44979747	CC	TT	1940313880
SNP_P1_82899_44980130	NC_021163.1	Ca_kabuli_chr04	44980130	TT	CC	1940313882
SNP_P1_82900_44982075	NC_021163.1	Ca_kabuli_chr04	44982075	CC	GG	1940313884
SNP_P1_82901_44982090	NC_021163.1	Ca_kabuli_chr04	44982090	TT	CC	1940313885
SNP_P1_82902_44982106	NC_021163.1	Ca_kabuli_chr04	44982106	TT	CC	1940313887
SNP_P1_82904_44982248	NC_021163.1	Ca_kabuli_chr04	44982248	AA	TT	1940313889
SNP_P1_82905_44982249	NC_021163.1	Ca_kabuli_chr04	44982249	AA	CC	1940313890
SNP_P1_82906_44982481	NC_021163.1	Ca_kabuli_chr04	44982481	CC	TT	1940313892
SNP_P1_82907_44982517	NC_021163.1	Ca_kabuli_chr04	44982517	AA	TT	1940313894
SNP_P1_82908_44982520	NC_021163.1	Ca_kabuli_chr04	44982520	AA	TT	1940313895
SNP_P1_82909_44982730	NC_021163.1	Ca_kabuli_chr04	44982730	AA	CC	1940313897
SNP_P1_82910_44984289	NC_021163.1	Ca_kabuli_chr04	44984289	AA	GG	1940313899
SNP_P1_82911_44985074	NC_021163.1	Ca_kabuli_chr04	44985074	CC	AA	1940313900
SNP_P1_82912_44985873	NC_021163.1	Ca_kabuli_chr04	44985873	CC	AA	1940313902
SNP_P1_82913_44986188	NC_021163.1	Ca_kabuli_chr04	44986188	TT	CC	1940313904
SNP_P1_82914_44986690	NC_021163.1	Ca_kabuli_chr04	44986690	AA	CC	1940313905
SNP_P1_82915_44987258	NC_021163.1	Ca_kabuli_chr04	44987258	AA	GG	1940313907
SNP_P1_82916_44987267	NC_021163.1	Ca_kabuli_chr04	44987267	CC	AA	1940313909
SNP_P1_82917_44987286	NC_021163.1	Ca_kabuli_chr04	44987286	AA	GG	1940313911
SNP_P1_82918_44987404	NC_021163.1	Ca_kabuli_chr04	44987404	CC	TT	1940313912
SNP_P1_82919_44987409	NC_021163.1	Ca_kabuli_chr04	44987409	AA	GG	1940313914
SNP_P1_82921_44987565	NC_021163.1	Ca_kabuli_chr04	44987565	GG	AA	1940313916
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SNP_P1_82923_44987741	NC_021163.1	Ca_kabuli_chr04	44987741	TT	CC	1940313919
SNP_P1_82925_44987949	NC_021163.1	Ca_kabuli_chr04	44987949	CC	GG	1940313921
SNP_P1_82927_44988119	NC_021163.1	Ca_kabuli_chr04	44988119	TT	AA	1940313923
SNP_P1_82928_44988165	NC_021163.1	Ca_kabuli_chr04	44988165	AA	CC	1940313924
SNP_P1_82929_44988262	NC_021163.1	Ca_kabuli_chr04	44988262	TT	CC	1940313926
SNP_P1_82930_44988263	NC_021163.1	Ca_kabuli_chr04	44988263	GG	AA	1940313928
SNP_P1_82931_44988267	NC_021163.1	Ca_kabuli_chr04	44988267	TT	CC	1940313930
SNP_P1_82932_44988277	NC_021163.1	Ca_kabuli_chr04	44988277	GG	CC	1940313931
SNP_P1_82933_44988301	NC_021163.1	Ca_kabuli_chr04	44988301	AA	CC	1940313933
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SNP_P1_82935_44988340	NC_021163.1	Ca_kabuli_chr04	44988340	AA	GG	1940313937
SNP_P1_82936_44988362	NC_021163.1	Ca_kabuli_chr04	44988362	TT	GG	1940313938
SNP_P1_82937_44988397	NC_021163.1	Ca_kabuli_chr04	44988397	CC	GG	1940313940
SNP_P1_82938_44988402	NC_021163.1	Ca_kabuli_chr04	44988402	GG	CC	1940313942
SNP_P1_82939_44988424	NC_021163.1	Ca_kabuli_chr04	44988424	GG	AA	1940313944

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82942_44990800	NC_021163.1	Ca_kabuli_chr04	44990800	TT	AA	1940313947
SNP_P1_82943_44990827	NC_021163.1	Ca_kabuli_chr04	44990827	TT	GG	1940313949
SNP_P1_82944_44992008	NC_021163.1	Ca_kabuli_chr04	44992008	CC	TT	1940313951
SNP_P1_82945_44992251	NC_021163.1	Ca_kabuli_chr04	44992251	AA	TT	1940313952
SNP_P1_82946_44992262	NC_021163.1	Ca_kabuli_chr04	44992262	GG	CC	1940313954
SNP_P1_82947_44992466	NC_021163.1	Ca_kabuli_chr04	44992466	CC	AA	1940313956
SNP_P1_82948_44992470	NC_021163.1	Ca_kabuli_chr04	44992470	AA	GG	1940313958
SNP_P1_82949_44993302	NC_021163.1	Ca_kabuli_chr04	44993302	GG	AA	1940313959
SNP_P1_82950_44993695	NC_021163.1	Ca_kabuli_chr04	44993695	AA	CC	1940313961
SNP_P1_82951_44993897	NC_021163.1	Ca_kabuli_chr04	44993897	GG	AA	1940313963
SNP_P1_82952_44993936	NC_021163.1	Ca_kabuli_chr04	44993936	GG	AA	1940313965
SNP_P1_82953_44994155	NC_021163.1	Ca_kabuli_chr04	44994155	TT	AA	1940313966
SNP_P1_82956_44994923	NC_021163.1	Ca_kabuli_chr04	44994923	AA	CC	1940313968
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SNP_P1_82959_44996226	NC_021163.1	Ca_kabuli_chr04	44996226	TT	CC	1940313972
SNP_P1_82960_44996290	NC_021163.1	Ca_kabuli_chr04	44996290	CC	GG	1940313973
SNP_P1_82963_44998089	NC_021163.1	Ca_kabuli_chr04	44998089	TT	AA	1940313975
SNP_P1_82964_44998270	NC_021163.1	Ca_kabuli_chr04	44998270	CC	TT	1940313977
SNP_P1_82965_44998372	NC_021163.1	Ca_kabuli_chr04	44998372	GG	AA	1940313979
SNP_P1_82966_44998377	NC_021163.1	Ca_kabuli_chr04	44998377	AA	GG	1940313980
SNP_P1_82967_44998393	NC_021163.1	Ca_kabuli_chr04	44998393	AA	TT	1940313982
SNP_P1_82968_44998532	NC_021163.1	Ca_kabuli_chr04	44998532	AA	GG	1940313984
SNP_P1_82969_44998589	NC_021163.1	Ca_kabuli_chr04	44998589	TT	GG	1940313986
SNP_P1_82972_44999939	NC_021163.1	Ca_kabuli_chr04	44999939	TT	CC	1940313988
SNP_P1_82973_44999947	NC_021163.1	Ca_kabuli_chr04	44999947	CC	AA	1940313989
SNP_P1_82974_44999959	NC_021163.1	Ca_kabuli_chr04	44999959	AA	CC	1940313991
SNP_P1_82975_45000124	NC_021163.1	Ca_kabuli_chr04	45000124	GG	AA	1940313993
SNP_P1_82976_45000129	NC_021163.1	Ca_kabuli_chr04	45000129	AA	CC	1940313995
SNP_P1_82977_45000185	NC_021163.1	Ca_kabuli_chr04	45000185	CC	TT	1940313996
SNP_P1_82978_45000188	NC_021163.1	Ca_kabuli_chr04	45000188	TT	AA	1940313998
SNP_P1_82979_45000196	NC_021163.1	Ca_kabuli_chr04	45000196	TT	AA	1940314000
SNP_P1_82980_45000309	NC_021163.1	Ca_kabuli_chr04	45000309	CC	TT	1940314002
SNP_P1_82981_45000335	NC_021163.1	Ca_kabuli_chr04	45000335	TT	CC	1940314003
SNP_P1_82983_45001167	NC_021163.1	Ca_kabuli_chr04	45001167	AA	GG	1940314005
SNP_P1_82984_45001459	NC_021163.1	Ca_kabuli_chr04	45001459	CC	TT	1940314007
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SNP_P1_82986_45001514	NC_021163.1	Ca_kabuli_chr04	45001514	GG	AA	1940314010
SNP_P1_82987_45002303	NC_021163.1	Ca_kabuli_chr04	45002303	CC	TT	1940314012
SNP_P1_82988_45002487	NC_021163.1	Ca_kabuli_chr04	45002487	TT	GG	1940314014
SNP_P1_82990_45002706	NC_021163.1	Ca_kabuli_chr04	45002706	CC	TT	1940314016
SNP_P1_82991_45002757	NC_021163.1	Ca_kabuli_chr04	45002757	TT	GG	1940314017

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_82993_45002832	NC_021163.1	Ca_kabuli_chr04	45002832	CC	AA	1940314021
SNP_P1_82994_45002835	NC_021163.1	Ca_kabuli_chr04	45002835	GG	AA	1940314023
SNP_P1_82995_45002979	NC_021163.1	Ca_kabuli_chr04	45002979	CC	TT	1940314025
SNP_P1_82996_45003548	NC_021163.1	Ca_kabuli_chr04	45003548	CC	TT	1940314026
SNP_P1_82997_45003955	NC_021163.1	Ca_kabuli_chr04	45003955	CC	TT	1940314028
SNP_P1_82998_45005025	NC_021163.1	Ca_kabuli_chr04	45005025	GG	AA	1940314030
SNP_P1_83000_45005267	NC_021163.1	Ca_kabuli_chr04	45005267	TT	CC	1940314031
SNP_P1_83001_45005301	NC_021163.1	Ca_kabuli_chr04	45005301	CC	AA	1940314033
SNP_P1_83002_45005309	NC_021163.1	Ca_kabuli_chr04	45005309	CC	TT	1940314035
SNP_P1_83003_45005479	NC_021163.1	Ca_kabuli_chr04	45005479	TT	AA	1940314037
SNP_P1_83004_45005496	NC_021163.1	Ca_kabuli_chr04	45005496	TT	AA	1940314038
SNP_P1_83005_45005548	NC_021163.1	Ca_kabuli_chr04	45005548	AA	TT	1940314040
SNP_P1_83006_45005576	NC_021163.1	Ca_kabuli_chr04	45005576	CC	TT	1940314042
SNP_P1_83007_45005583	NC_021163.1	Ca_kabuli_chr04	45005583	CC	TT	1940314044
SNP_P1_83008_45005899	NC_021163.1	Ca_kabuli_chr04	45005899	TT	AA	1940314046
SNP_P1_83009_45006088	NC_021163.1	Ca_kabuli_chr04	45006088	CC	GG	1940314047
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SNP_P1_83011_45006430	NC_021163.1	Ca_kabuli_chr04	45006430	TT	CC	1940314051
SNP_P1_83013_45007060	NC_021163.1	Ca_kabuli_chr04	45007060	CC	TT	1940314052
SNP_P1_83015_45007198	NC_021163.1	Ca_kabuli_chr04	45007198	AA	TT	1940314054
SNP_P1_83016_45007204	NC_021163.1	Ca_kabuli_chr04	45007204	GG	TT	1940314056
SNP_P1_83017_45008706	NC_021163.1	Ca_kabuli_chr04	45008706	AA	GG	1940314057
SNP_P1_83019_45010948	NC_021163.1	Ca_kabuli_chr04	45010948	GG	TT	1940314059
SNP_P1_83020_45011145	NC_021163.1	Ca_kabuli_chr04	45011145	AA	GG	1940314061
SNP_P1_83021_45011314	NC_021163.1	Ca_kabuli_chr04	45011314	CC	TT	1940314062
SNP_P1_83022_45011376	NC_021163.1	Ca_kabuli_chr04	45011376	AA	GG	1940314064
SNP_P1_83023_45011644	NC_021163.1	Ca_kabuli_chr04	45011644	CC	GG	1940314066
SNP_P1_83025_45014400	NC_021163.1	Ca_kabuli_chr04	45014400	TT	CC	1940314067
SNP_P1_83026_45014401	NC_021163.1	Ca_kabuli_chr04	45014401	GG	AA	1940314069
SNP_P1_83027_45014598	NC_021163.1	Ca_kabuli_chr04	45014598	TT	CC	1940314071
SNP_P1_83028_45014747	NC_021163.1	Ca_kabuli_chr04	45014747	TT	GG	1940314073
SNP_P1_83029_45014764	NC_021163.1	Ca_kabuli_chr04	45014764	CC	TT	1940314074
SNP_P1_83030_45014777	NC_021163.1	Ca_kabuli_chr04	45014777	CC	TT	1940314076
SNP_P1_83031_45016634	NC_021163.1	Ca_kabuli_chr04	45016634	AA	CC	1940314078
SNP_P1_83032_45016635	NC_021163.1	Ca_kabuli_chr04	45016635	AA	TT	1940314079
SNP_P1_83033_45016657	NC_021163.1	Ca_kabuli_chr04	45016657	TT	CC	1940314081
SNP_P1_83034_45016836	NC_021163.1	Ca_kabuli_chr04	45016836	TT	CC	1940314083
SNP_P1_83035_45016879	NC_021163.1	Ca_kabuli_chr04	45016879	AA	TT	1940314084
SNP_P1_83036_45016967	NC_021163.1	Ca_kabuli_chr04	45016967	CC	GG	1940314086
SNP_P1_83037_45016979	NC_021163.1	Ca_kabuli_chr04	45016979	AA	GG	1940314088
SNP_P1_83038_45017002	NC_021163.1	Ca_kabuli_chr04	45017002	GG	AA	1940314089

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83040_45017105	NC_021163.1	Ca_kabuli_chr04	45017105	GG	TT	1940314093
SNP_P1_83041_45017138	NC_021163.1	Ca_kabuli_chr04	45017138	GG	TT	1940314094
SNP_P1_83042_45017150	NC_021163.1	Ca_kabuli_chr04	45017150	GG	AA	1940314096
SNP_P1_83043_45021105	NC_021163.1	Ca_kabuli_chr04	45021105	CC	GG	1940314098
SNP_P1_83044_45022260	NC_021163.1	Ca_kabuli_chr04	45022260	GG	CC	1940314099
SNP_P1_83045_45022287	NC_021163.1	Ca_kabuli_chr04	45022287	TT	CC	1940314101
SNP_P1_83046_45023605	NC_021163.1	Ca_kabuli_chr04	45023605	TT	AA	1940314103
SNP_P1_83047_45028152	NC_021163.1	Ca_kabuli_chr04	45028152	AA	GG	1940314104
SNP_P1_83049_45030799	NC_021163.1	Ca_kabuli_chr04	45030799	TT	CC	1940314106
SNP_P1_83050_45032796	NC_021163.1	Ca_kabuli_chr04	45032796	CC	TT	1940314108
SNP_P1_83051_45034525	NC_021163.1	Ca_kabuli_chr04	45034525	GG	AA	1940314109
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SNP_P1_83054_45036210	NC_021163.1	Ca_kabuli_chr04	45036210	GG	AA	1940314115
SNP_P1_83055_45036295	NC_021163.1	Ca_kabuli_chr04	45036295	TT	GG	1940314116
SNP_P1_83056_45036328	NC_021163.1	Ca_kabuli_chr04	45036328	CC	TT	1940314118
SNP_P1_83057_45036368	NC_021163.1	Ca_kabuli_chr04	45036368	AA	GG	1940314120
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SNP_P1_83061_45036460	NC_021163.1	Ca_kabuli_chr04	45036460	CC	TT	1940314126
SNP_P1_83062_45036464	NC_021163.1	Ca_kabuli_chr04	45036464	CC	AA	1940314128
SNP_P1_83063_45036829	NC_021163.1	Ca_kabuli_chr04	45036829	GG	TT	1940314130
SNP_P1_83064_45037049	NC_021163.1	Ca_kabuli_chr04	45037049	CC	AA	1940314131
SNP_P1_83065_45037059	NC_021163.1	Ca_kabuli_chr04	45037059	CC	TT	1940314133
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SNP_P1_83067_45041993	NC_021163.1	Ca_kabuli_chr04	45041993	CC	TT	1940314136
SNP_P1_83068_45042155	NC_021163.1	Ca_kabuli_chr04	45042155	CC	TT	1940314138
SNP_P1_83069_45042173	NC_021163.1	Ca_kabuli_chr04	45042173	GG	AA	1940314140
SNP_P1_83070_45042184	NC_021163.1	Ca_kabuli_chr04	45042184	TT	CC	1940314141
SNP_P1_83071_45042186	NC_021163.1	Ca_kabuli_chr04	45042186	TT	CC	1940314143
SNP_P1_83072_45042222	NC_021163.1	Ca_kabuli_chr04	45042222	TT	AA	1940314145
SNP_P1_83073_45042236	NC_021163.1	Ca_kabuli_chr04	45042236	CC	TT	1940314146
SNP_P1_83074_45042564	NC_021163.1	Ca_kabuli_chr04	45042564	TT	CC	1940314148
SNP_P1_83075_45042819	NC_021163.1	Ca_kabuli_chr04	45042819	CC	TT	1940314150
SNP_P1_83076_45042833	NC_021163.1	Ca_kabuli_chr04	45042833	GG	AA	1940314151
SNP_P1_83077_45042840	NC_021163.1	Ca_kabuli_chr04	45042840	TT	CC	1940314153
SNP_P1_83078_45043304	NC_021163.1	Ca_kabuli_chr04	45043304	TT	GG	1940314155
SNP_P1_83079_45043582	NC_021163.1	Ca_kabuli_chr04	45043582	CC	GG	1940314156
SNP_P1_83080_45043879	NC_021163.1	Ca_kabuli_chr04	45043879	TT	AA	1940314158
SNP_P1_83082_45048051	NC_021163.1	Ca_kabuli_chr04	45048051	AA	GG	1940314160

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83084_45048136	NC_021163.1	Ca_kabuli_chr04	45048136	AA	GG	1940314163
SNP_P1_83085_45048418	NC_021163.1	Ca_kabuli_chr04	45048418	TT	CC	1940314165
SNP_P1_83087_45048545	NC_021163.1	Ca_kabuli_chr04	45048545	CC	TT	1940314167
SNP_P1_83088_45048564	NC_021163.1	Ca_kabuli_chr04	45048564	GG	AA	1940314168
SNP_P1_83089_45048772	NC_021163.1	Ca_kabuli_chr04	45048772	TT	AA	1940314170
SNP_P1_83090_45048776	NC_021163.1	Ca_kabuli_chr04	45048776	TT	GG	1940314172
SNP_P1_83091_45048866	NC_021163.1	Ca_kabuli_chr04	45048866	GG	AA	1940314173
SNP_P1_83092_45048881	NC_021163.1	Ca_kabuli_chr04	45048881	TT	CC	1940314175
SNP_P1_83093_45048918	NC_021163.1	Ca_kabuli_chr04	45048918	AA	TT	1940314177
SNP_P1_83094_45049340	NC_021163.1	Ca_kabuli_chr04	45049340	CC	AA	1940314178
SNP_P1_83095_45049386	NC_021163.1	Ca_kabuli_chr04	45049386	TT	CC	1940314180
SNP_P1_83096_45049400	NC_021163.1	Ca_kabuli_chr04	45049400	AA	CC	1940314182
SNP_P1_83097_45049465	NC_021163.1	Ca_kabuli_chr04	45049465	CC	TT	1940314183
SNP_P1_83098_45049484	NC_021163.1	Ca_kabuli_chr04	45049484	GG	AA	1940314185
SNP_P1_83099_45049782	NC_021163.1	Ca_kabuli_chr04	45049782	GG	AA	1940314187
SNP_P1_83100_45051324	NC_021163.1	Ca_kabuli_chr04	45051324	TT	CC	1940314188
SNP_P1_83101_45051331	NC_021163.1	Ca_kabuli_chr04	45051331	GG	CC	1940314190
SNP_P1_83102_45051585	NC_021163.1	Ca_kabuli_chr04	45051585	AA	GG	1940314192
SNP_P1_83103_45051629	NC_021163.1	Ca_kabuli_chr04	45051629	TT	CC	1940314193
SNP_P1_83104_45051741	NC_021163.1	Ca_kabuli_chr04	45051741	GG	AA	1940314195
SNP_P1_83105_45051866	NC_021163.1	Ca_kabuli_chr04	45051866	TT	CC	1940314197
SNP_P1_83106_45053008	NC_021163.1	Ca_kabuli_chr04	45053008	TT	CC	1940314198
SNP_P1_83107_45053771	NC_021163.1	Ca_kabuli_chr04	45053771	CC	GG	1940314200
SNP_P1_83108_45055218	NC_021163.1	Ca_kabuli_chr04	45055218	TT	CC	1940314202
SNP_P1_83109_45057031	NC_021163.1	Ca_kabuli_chr04	45057031	GG	TT	1940314203
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SNP_P1_83113_45058025	NC_021163.1	Ca_kabuli_chr04	45058025	CC	TT	1940314207
SNP_P1_83114_45058026	NC_021163.1	Ca_kabuli_chr04	45058026	AA	TT	1940314208
SNP_P1_83115_45058419	NC_021163.1	Ca_kabuli_chr04	45058419	AA	CC	1940314210
SNP_P1_83116_45058424	NC_021163.1	Ca_kabuli_chr04	45058424	TT	CC	1940314212
SNP_P1_83117_45058453	NC_021163.1	Ca_kabuli_chr04	45058453	CC	TT	1940314213
SNP_P1_83118_45058471	NC_021163.1	Ca_kabuli_chr04	45058471	AA	GG	1940314215
SNP_P1_83119_45059452	NC_021163.1	Ca_kabuli_chr04	45059452	AA	CC	1940314217
SNP_P1_83120_45060115	NC_021163.1	Ca_kabuli_chr04	45060115	GG	AA	1940314219
SNP_P1_83121_45060344	NC_021163.1	Ca_kabuli_chr04	45060344	GG	TT	1940314220
SNP_P1_83122_45060627	NC_021163.1	Ca_kabuli_chr04	45060627	CC	TT	1940314222
SNP_P1_83123_45060849	NC_021163.1	Ca_kabuli_chr04	45060849	AA	GG	1940314224
SNP_P1_83124_45061128	NC_021163.1	Ca_kabuli_chr04	45061128	AA	GG	1940314225
SNP_P1_83125_45061145	NC_021163.1	Ca_kabuli_chr04	45061145	GG	AA	1940314227
SNP_P1_83127_45062234	NC_021163.1	Ca_kabuli_chr04	45062234	CC	AA	1940314229
SNP_P1_83128_45063272	NC_021163.1	Ca_kabuli_chr04	45063272	CC	AA	1940314230

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83130_45063671	NC_021163.1	Ca_kabuli_chr04	45063671	AA	GG	1940314234
SNP_P1_83131_45063693	NC_021163.1	Ca_kabuli_chr04	45063693	CC	TT	1940314235
SNP_P1_83132_45063978	NC_021163.1	Ca_kabuli_chr04	45063978	AA	GG	1940314237
SNP_P1_83134_45064710	NC_021163.1	Ca_kabuli_chr04	45064710	AA	TT	1940314239
SNP_P1_83135_45064773	NC_021163.1	Ca_kabuli_chr04	45064773	AA	TT	1940314240
SNP_P1_83137_45065365	NC_021163.1	Ca_kabuli_chr04	45065365	AA	TT	1940314242
SNP_P1_83138_45065408	NC_021163.1	Ca_kabuli_chr04	45065408	CC	TT	1940314244
SNP_P1_83139_45065563	NC_021163.1	Ca_kabuli_chr04	45065563	TT	CC	1940314245
SNP_P1_83141_45065936	NC_021163.1	Ca_kabuli_chr04	45065936	CC	GG	1940314247
SNP_P1_83142_45065938	NC_021163.1	Ca_kabuli_chr04	45065938	TT	CC	1940314249
SNP_P1_83143_45066041	NC_021163.1	Ca_kabuli_chr04	45066041	CC	TT	1940314251
SNP_P1_83146_45066974	NC_021163.1	Ca_kabuli_chr04	45066974	GG	AA	1940314252
SNP_P1_83147_45067043	NC_021163.1	Ca_kabuli_chr04	45067043	AA	GG	1940314254
SNP_P1_83148_45067702	NC_021163.1	Ca_kabuli_chr04	45067702	AA	GG	1940314256
SNP_P1_83149_45067765	NC_021163.1	Ca_kabuli_chr04	45067765	GG	AA	1940314257
SNP_P1_83150_45067779	NC_021163.1	Ca_kabuli_chr04	45067779	TT	AA	1940314259
SNP_P1_83151_45068007	NC_021163.1	Ca_kabuli_chr04	45068007	TT	AA	1940314261
SNP_P1_83153_45069736	NC_021163.1	Ca_kabuli_chr04	45069736	AA	GG	1940314262
SNP_P1_83154_45069869	NC_021163.1	Ca_kabuli_chr04	45069869	CC	TT	1940314264
SNP_P1_83155_45070363	NC_021163.1	Ca_kabuli_chr04	45070363	AA	GG	1940314266
SNP_P1_83156_45070366	NC_021163.1	Ca_kabuli_chr04	45070366	CC	AA	1940314268
SNP_P1_83157_45071166	NC_021163.1	Ca_kabuli_chr04	45071166	GG	CC	1940314269
SNP_P1_83158_45071367	NC_021163.1	Ca_kabuli_chr04	45071367	GG	AA	1940314271
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SNP_P1_83162_45075265	NC_021163.1	Ca_kabuli_chr04	45075265	GG	TT	1940314278
SNP_P1_83163_45075565	NC_021163.1	Ca_kabuli_chr04	45075565	CC	TT	1940314280
SNP_P1_83164_45075576	NC_021163.1	Ca_kabuli_chr04	45075576	GG	AA	1940314282
SNP_P1_83165_45075584	NC_021163.1	Ca_kabuli_chr04	45075584	AA	GG	1940314283
SNP_P1_83166_45076003	NC_021163.1	Ca_kabuli_chr04	45076003	TT	CC	1940314285
SNP_P1_83168_45076917	NC_021163.1	Ca_kabuli_chr04	45076917	AA	CC	1940314287
SNP_P1_83169_45077121	NC_021163.1	Ca_kabuli_chr04	45077121	AA	GG	1940314289
SNP_P1_83170_45077225	NC_021163.1	Ca_kabuli_chr04	45077225	CC	AA	1940314290
SNP_P1_83172_45077338	NC_021163.1	Ca_kabuli_chr04	45077338	AA	GG	1940314292
SNP_P1_83173_45077421	NC_021163.1	Ca_kabuli_chr04	45077421	GG	CC	1940314294
SNP_P1_83174_45077423	NC_021163.1	Ca_kabuli_chr04	45077423	CC	TT	1940314296
SNP_P1_83175_45077561	NC_021163.1	Ca_kabuli_chr04	45077561	GG	CC	1940314297
SNP_P1_83176_45078311	NC_021163.1	Ca_kabuli_chr04	45078311	AA	GG	1940314299
SNP_P1_83177_45078593	NC_021163.1	Ca_kabuli_chr04	45078593	CC	TT	1940314301
SNP_P1_83178_45078689	NC_021163.1	Ca_kabuli_chr04	45078689	AA	CC	1940314303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83181_45080306	NC_021163.1	Ca_kabuli_chr04	45080306	TT	CC	1940314306
SNP_P1_83182_45081242	NC_021163.1	Ca_kabuli_chr04	45081242	AA	TT	1940314308
SNP_P1_83183_45081243	NC_021163.1	Ca_kabuli_chr04	45081243	AA	GG	1940314310
SNP_P1_83184_45081244	NC_021163.1	Ca_kabuli_chr04	45081244	AA	GG	1940314311
SNP_P1_83185_45081275	NC_021163.1	Ca_kabuli_chr04	45081275	GG	AA	1940314313
SNP_P1_83186_45081282	NC_021163.1	Ca_kabuli_chr04	45081282	CC	TT	1940314315
SNP_P1_83188_45082019	NC_021163.1	Ca_kabuli_chr04	45082019	TT	CC	1940314317
SNP_P1_83189_45084828	NC_021163.1	Ca_kabuli_chr04	45084828	GG	CC	1940314318
SNP_P1_83190_45085096	NC_021163.1	Ca_kabuli_chr04	45085096	CC	TT	1940314320
SNP_P1_83191_45085172	NC_021163.1	Ca_kabuli_chr04	45085172	TT	GG	1940314322
SNP_P1_83192_45085856	NC_021163.1	Ca_kabuli_chr04	45085856	AA	TT	1940314324
SNP_P1_83194_45089502	NC_021163.1	Ca_kabuli_chr04	45089502	GG	TT	1940314325
SNP_P1_83195_45090439	NC_021163.1	Ca_kabuli_chr04	45090439	CC	GG	1940314327
SNP_P1_83196_45091936	NC_021163.1	Ca_kabuli_chr04	45091936	CC	TT	1940314329
SNP_P1_83197_45092098	NC_021163.1	Ca_kabuli_chr04	45092098	GG	AA	1940314331
SNP_P1_83198_45092113	NC_021163.1	Ca_kabuli_chr04	45092113	TT	GG	1940314332
SNP_P1_83199_45092134	NC_021163.1	Ca_kabuli_chr04	45092134	TT	GG	1940314334
SNP_P1_83200_45092158	NC_021163.1	Ca_kabuli_chr04	45092158	TT	CC	1940314336
SNP_P1_83202_45092997	NC_021163.1	Ca_kabuli_chr04	45092997	GG	AA	1940314338
SNP_P1_83203_45094763	NC_021163.1	Ca_kabuli_chr04	45094763	CC	AA	1940314339
SNP_P1_83204_45095624	NC_021163.1	Ca_kabuli_chr04	45095624	GG	AA	1940314341
SNP_P1_83205_45095642	NC_021163.1	Ca_kabuli_chr04	45095642	AA	CC	1940314343
SNP_P1_83206_45096152	NC_021163.1	Ca_kabuli_chr04	45096152	TT	AA	1940314345
SNP_P1_83207_45096315	NC_021163.1	Ca_kabuli_chr04	45096315	GG	AA	1940314347
SNP_P1_83208_45097367	NC_021163.1	Ca_kabuli_chr04	45097367	TT	CC	1940314348
SNP_P1_83209_45097721	NC_021163.1	Ca_kabuli_chr04	45097721	AA	CC	1940314350
SNP_P1_83210_45097795	NC_021163.1	Ca_kabuli_chr04	45097795	TT	CC	1940314352
SNP_P1_83211_45098641	NC_021163.1	Ca_kabuli_chr04	45098641	CC	TT	1940314354
SNP_P1_83212_45098686	NC_021163.1	Ca_kabuli_chr04	45098686	AA	GG	1940314355
SNP_P1_83214_45098709	NC_021163.1	Ca_kabuli_chr04	45098709	AA	TT	1940314357
SNP_P1_83215_45099373	NC_021163.1	Ca_kabuli_chr04	45099373	CC	TT	1940314359
SNP_P1_83216_45100204	NC_021163.1	Ca_kabuli_chr04	45100204	TT	AA	1940314361
SNP_P1_83217_45100417	NC_021163.1	Ca_kabuli_chr04	45100417	CC	TT	1940314362
SNP_P1_83218_45100441	NC_021163.1	Ca_kabuli_chr04	45100441	TT	CC	1940314364
SNP_P1_83219_45100581	NC_021163.1	Ca_kabuli_chr04	45100581	TT	GG	1940314366
SNP_P1_83220_45102220	NC_021163.1	Ca_kabuli_chr04	45102220	GG	AA	1940314368
SNP_P1_83222_45103029	NC_021163.1	Ca_kabuli_chr04	45103029	TT	CC	1940314369
SNP_P1_83223_45103402	NC_021163.1	Ca_kabuli_chr04	45103402	GG	AA	1940314371
SNP_P1_83224_45103787	NC_021163.1	Ca_kabuli_chr04	45103787	GG	TT	1940314373
SNP_P1_83225_45103960	NC_021163.1	Ca_kabuli_chr04	45103960	GG	AA	1940314375
SNP_P1_83226_45104524	NC_021163.1	Ca_kabuli_chr04	45104524	GG	AA	1940314376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83229_45106127	NC_021163.1	Ca_kabuli_chr04	45106127	GG	AA	1940314380
SNP_P1_83230_45106882	NC_021163.1	Ca_kabuli_chr04	45106882	TT	AA	1940314382
SNP_P1_83231_45107163	NC_021163.1	Ca_kabuli_chr04	45107163	TT	AA	1940314383
SNP_P1_83232_45107261	NC_021163.1	Ca_kabuli_chr04	45107261	TT	CC	1940314385
SNP_P1_83233_45107288	NC_021163.1	Ca_kabuli_chr04	45107288	AA	GG	1940314387
SNP_P1_83235_45107978	NC_021163.1	Ca_kabuli_chr04	45107978	TT	CC	1940314389
SNP_P1_83236_45108166	NC_021163.1	Ca_kabuli_chr04	45108166	TT	AA	1940314390
SNP_P1_83238_45108476	NC_021163.1	Ca_kabuli_chr04	45108476	TT	CC	1940314392
SNP_P1_83239_45108493	NC_021163.1	Ca_kabuli_chr04	45108493	TT	CC	1940314394
SNP_P1_83240_45108868	NC_021163.1	Ca_kabuli_chr04	45108868	TT	AA	1940314396
SNP_P1_83242_45108915	NC_021163.1	Ca_kabuli_chr04	45108915	CC	TT	1940314397
SNP_P1_83244_45108990	NC_021163.1	Ca_kabuli_chr04	45108990	TT	CC	1940314399
SNP_P1_83245_45109319	NC_021163.1	Ca_kabuli_chr04	45109319	AA	GG	1940314401
SNP_P1_83246_45109345	NC_021163.1	Ca_kabuli_chr04	45109345	TT	AA	1940314403
SNP_P1_83247_45109612	NC_021163.1	Ca_kabuli_chr04	45109612	TT	CC	1940314404
SNP_P1_83248_45110206	NC_021163.1	Ca_kabuli_chr04	45110206	GG	AA	1940314406
SNP_P1_83249_45110405	NC_021163.1	Ca_kabuli_chr04	45110405	CC	AA	1940314408
SNP_P1_83250_45111471	NC_021163.1	Ca_kabuli_chr04	45111471	TT	GG	1940314410
SNP_P1_83251_45112695	NC_021163.1	Ca_kabuli_chr04	45112695	CC	TT	1940314411
SNP_P1_83252_45113847	NC_021163.1	Ca_kabuli_chr04	45113847	CC	GG	1940314413
SNP_P1_83253_45114211	NC_021163.1	Ca_kabuli_chr04	45114211	CC	TT	1940314415
SNP_P1_83254_45114330	NC_021163.1	Ca_kabuli_chr04	45114330	GG	TT	1940314416
SNP_P1_83255_45114339	NC_021163.1	Ca_kabuli_chr04	45114339	AA	GG	1940314418
SNP_P1_83256_45114402	NC_021163.1	Ca_kabuli_chr04	45114402	CC	TT	1940314420
SNP_P1_83258_45114914	NC_021163.1	Ca_kabuli_chr04	45114914	AA	GG	1940314421
SNP_P1_83259_45114931	NC_021163.1	Ca_kabuli_chr04	45114931	TT	GG	1940314423
SNP_P1_83260_45114932	NC_021163.1	Ca_kabuli_chr04	45114932	GG	AA	1940314425
SNP_P1_83261_45115268	NC_021163.1	Ca_kabuli_chr04	45115268	AA	GG	1940314426
SNP_P1_83262_45115366	NC_021163.1	Ca_kabuli_chr04	45115366	CC	TT	1940314428
SNP_P1_83268_45117978	NC_021163.1	Ca_kabuli_chr04	45117978	GG	AA	1940314430
SNP_P1_83269_45117991	NC_021163.1	Ca_kabuli_chr04	45117991	TT	CC	1940314431
SNP_P1_83270_45118434	NC_021163.1	Ca_kabuli_chr04	45118434	TT	CC	1940314433
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SNP_P1_83272_45118825	NC_021163.1	Ca_kabuli_chr04	45118825	TT	AA	1940314436
SNP_P1_83273_45118832	NC_021163.1	Ca_kabuli_chr04	45118832	CC	TT	1940314438
SNP_P1_83275_45118904	NC_021163.1	Ca_kabuli_chr04	45118904	TT	AA	1940314440
SNP_P1_83276_45119633	NC_021163.1	Ca_kabuli_chr04	45119633	TT	CC	1940314441
SNP_P1_83277_45119687	NC_021163.1	Ca_kabuli_chr04	45119687	TT	GG	1940314443
SNP_P1_83278_45119794	NC_021163.1	Ca_kabuli_chr04	45119794	TT	CC	1940314445
SNP_P1_83279_45119819	NC_021163.1	Ca_kabuli_chr04	45119819	TT	CC	1940314446
SNP_P1_83280_45119836	NC_021163.1	Ca_kabuli_chr04	45119836	AA	CC	1940314448

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83282_45120065	NC_021163.1	Ca_kabuli_chr04	45120065	GG	AA	1940314451
SNP_P1_83283_45120103	NC_021163.1	Ca_kabuli_chr04	45120103	GG	AA	1940314453
SNP_P1_83284_45120356	NC_021163.1	Ca_kabuli_chr04	45120356	TT	CC	1940314455
SNP_P1_83285_45120508	NC_021163.1	Ca_kabuli_chr04	45120508	TT	AA	1940314456
SNP_P1_83286_45120560	NC_021163.1	Ca_kabuli_chr04	45120560	CC	TT	1940314458
SNP_P1_83287_45123105	NC_021163.1	Ca_kabuli_chr04	45123105	AA	GG	1940314460
SNP_P1_83288_45123171	NC_021163.1	Ca_kabuli_chr04	45123171	AA	CC	1940314461
SNP_P1_83289_45124440	NC_021163.1	Ca_kabuli_chr04	45124440	AA	TT	1940314463
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SNP_P1_83291_45125226	NC_021163.1	Ca_kabuli_chr04	45125226	TT	AA	1940314466
SNP_P1_83292_45125265	NC_021163.1	Ca_kabuli_chr04	45125265	GG	CC	1940314468
SNP_P1_83293_45125821	NC_021163.1	Ca_kabuli_chr04	45125821	AA	TT	1940314470
SNP_P1_83295_45126138	NC_021163.1	Ca_kabuli_chr04	45126138	GG	AA	1940314472
SNP_P1_83297_45126334	NC_021163.1	Ca_kabuli_chr04	45126334	CC	TT	1940314473
SNP_P1_83298_45126398	NC_021163.1	Ca_kabuli_chr04	45126398	CC	TT	1940314475
SNP_P1_83299_45126406	NC_021163.1	Ca_kabuli_chr04	45126406	AA	TT	1940314477
SNP_P1_83300_45126600	NC_021163.1	Ca_kabuli_chr04	45126600	GG	CC	1940314478
SNP_P1_83301_45130800	NC_021163.1	Ca_kabuli_chr04	45130800	AA	TT	1940314480
SNP_P1_83302_45130982	NC_021163.1	Ca_kabuli_chr04	45130982	TT	GG	1940314482
SNP_P1_83303_45131270	NC_021163.1	Ca_kabuli_chr04	45131270	CC	TT	1940314483
SNP_P1_83304_45131372	NC_021163.1	Ca_kabuli_chr04	45131372	AA	TT	1940314485
SNP_P1_83305_45131630	NC_021163.1	Ca_kabuli_chr04	45131630	AA	CC	1940314487
SNP_P1_83306_45131784	NC_021163.1	Ca_kabuli_chr04	45131784	GG	TT	1940314488
SNP_P1_83307_45131819	NC_021163.1	Ca_kabuli_chr04	45131819	CC	TT	1940314490
SNP_P1_83308_45131994	NC_021163.1	Ca_kabuli_chr04	45131994	TT	CC	1940314492
SNP_P1_83309_45132019	NC_021163.1	Ca_kabuli_chr04	45132019	GG	AA	1940314493
SNP_P1_83310_45132025	NC_021163.1	Ca_kabuli_chr04	45132025	AA	TT	1940314495
SNP_P1_83311_45132077	NC_021163.1	Ca_kabuli_chr04	45132077	TT	AA	1940314497
SNP_P1_83312_45134115	NC_021163.1	Ca_kabuli_chr04	45134115	AA	CC	1940314498
SNP_P1_83313_45134221	NC_021163.1	Ca_kabuli_chr04	45134221	CC	TT	1940314500
SNP_P1_83314_45134297	NC_021163.1	Ca_kabuli_chr04	45134297	CC	TT	1940314502
SNP_P1_83315_45134324	NC_021163.1	Ca_kabuli_chr04	45134324	AA	TT	1940314503
SNP_P1_83316_45134845	NC_021163.1	Ca_kabuli_chr04	45134845	GG	AA	1940314505
SNP_P1_83317_45135385	NC_021163.1	Ca_kabuli_chr04	45135385	TT	GG	1940314507
SNP_P1_83318_45135413	NC_021163.1	Ca_kabuli_chr04	45135413	AA	GG	1940314508
SNP_P1_83320_45135863	NC_021163.1	Ca_kabuli_chr04	45135863	GG	AA	1940314510
SNP_P1_83321_45135959	NC_021163.1	Ca_kabuli_chr04	45135959	AA	CC	1940314512
SNP_P1_83322_45136480	NC_021163.1	Ca_kabuli_chr04	45136480	TT	CC	1940314513
SNP_P1_83323_45136944	NC_021163.1	Ca_kabuli_chr04	45136944	AA	GG	1940314515
SNP_P1_83324_45136945	NC_021163.1	Ca_kabuli_chr04	45136945	CC	TT	1940314517
SNP_P1_83325_45136965	NC_021163.1	Ca_kabuli_chr04	45136965	GG	TT	1940314518

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83328_45137016	NC_021163.1	Ca_kabuli_chr04	45137016	AA	TT	1940314522
SNP_P1_83330_45138640	NC_021163.1	Ca_kabuli_chr04	45138640	AA	TT	1940314523
SNP_P1_83331_45138662	NC_021163.1	Ca_kabuli_chr04	45138662	CC	TT	1940314525
SNP_P1_83332_45138695	NC_021163.1	Ca_kabuli_chr04	45138695	TT	CC	1940314527
SNP_P1_83333_45139189	NC_021163.1	Ca_kabuli_chr04	45139189	CC	GG	1940314528
SNP_P1_83334_45139272	NC_021163.1	Ca_kabuli_chr04	45139272	GG	TT	1940314530
SNP_P1_83335_45139329	NC_021163.1	Ca_kabuli_chr04	45139329	GG	CC	1940314532
SNP_P1_83336_45140328	NC_021163.1	Ca_kabuli_chr04	45140328	GG	TT	1940314534
SNP_P1_83337_45140790	NC_021163.1	Ca_kabuli_chr04	45140790	GG	AA	1940314535
SNP_P1_83339_45142213	NC_021163.1	Ca_kabuli_chr04	45142213	GG	AA	1940314537
SNP_P1_83340_45142217	NC_021163.1	Ca_kabuli_chr04	45142217	AA	GG	1940314539
SNP_P1_83341_45142631	NC_021163.1	Ca_kabuli_chr04	45142631	CC	TT	1940314540
SNP_P1_83342_45142632	NC_021163.1	Ca_kabuli_chr04	45142632	CC	TT	1940314542
SNP_P1_83343_45142693	NC_021163.1	Ca_kabuli_chr04	45142693	AA	GG	1940314544
SNP_P1_83344_45143030	NC_021163.1	Ca_kabuli_chr04	45143030	TT	CC	1940314545
SNP_P1_83345_45143038	NC_021163.1	Ca_kabuli_chr04	45143038	CC	TT	1940314547
SNP_P1_83346_45143044	NC_021163.1	Ca_kabuli_chr04	45143044	CC	GG	1940314549
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SNP_P1_83349_45144919	NC_021163.1	Ca_kabuli_chr04	45144919	AA	GG	1940314554
SNP_P1_83350_45145119	NC_021163.1	Ca_kabuli_chr04	45145119	AA	GG	1940314555
SNP_P1_83351_45145208	NC_021163.1	Ca_kabuli_chr04	45145208	GG	AA	1940314557
SNP_P1_83354_45145623	NC_021163.1	Ca_kabuli_chr04	45145623	AA	GG	1940314559
SNP_P1_83355_45145646	NC_021163.1	Ca_kabuli_chr04	45145646	GG	AA	1940314560
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SNP_P1_83359_45145966	NC_021163.1	Ca_kabuli_chr04	45145966	GG	AA	1940314567
SNP_P1_83360_45145979	NC_021163.1	Ca_kabuli_chr04	45145979	TT	CC	1940314569
SNP_P1_83361_45146131	NC_021163.1	Ca_kabuli_chr04	45146131	TT	CC	1940314570
SNP_P1_83362_45146161	NC_021163.1	Ca_kabuli_chr04	45146161	CC	GG	1940314572
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SNP_P1_83365_45146220	NC_021163.1	Ca_kabuli_chr04	45146220	TT	CC	1940314577
SNP_P1_83366_45146264	NC_021163.1	Ca_kabuli_chr04	45146264	GG	TT	1940314579
SNP_P1_83367_45146271	NC_021163.1	Ca_kabuli_chr04	45146271	AA	CC	1940314581
SNP_P1_83368_45146545	NC_021163.1	Ca_kabuli_chr04	45146545	CC	TT	1940314582
SNP_P1_83369_45147201	NC_021163.1	Ca_kabuli_chr04	45147201	TT	CC	1940314584
SNP_P1_83370_45147217	NC_021163.1	Ca_kabuli_chr04	45147217	TT	CC	1940314586
SNP_P1_83371_45147998	NC_021163.1	Ca_kabuli_chr04	45147998	AA	GG	1940314587
SNP_P1_83372_45148007	NC_021163.1	Ca_kabuli_chr04	45148007	AA	TT	1940314589

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83375_45148732	NC_021163.1	Ca_kabuli_chr04	45148732	GG	AA	1940314594
SNP_P1_83376_45148801	NC_021163.1	Ca_kabuli_chr04	45148801	TT	CC	1940314596
SNP_P1_83377_45149768	NC_021163.1	Ca_kabuli_chr04	45149768	CC	AA	1940314597
SNP_P1_83378_45150159	NC_021163.1	Ca_kabuli_chr04	45150159	AA	GG	1940314599
SNP_P1_83379_45150270	NC_021163.1	Ca_kabuli_chr04	45150270	TT	GG	1940314601
SNP_P1_83380_45150280	NC_021163.1	Ca_kabuli_chr04	45150280	TT	CC	1940314602
SNP_P1_83381_45150292	NC_021163.1	Ca_kabuli_chr04	45150292	CC	TT	1940314604
SNP_P1_83382_45150992	NC_021163.1	Ca_kabuli_chr04	45150992	TT	CC	1940314606
SNP_P1_83383_45150998	NC_021163.1	Ca_kabuli_chr04	45150998	TT	CC	1940314607
SNP_P1_83384_45151298	NC_021163.1	Ca_kabuli_chr04	45151298	GG	TT	1940314609
SNP_P1_83385_45151326	NC_021163.1	Ca_kabuli_chr04	45151326	AA	GG	1940314611
SNP_P1_83386_45151430	NC_021163.1	Ca_kabuli_chr04	45151430	TT	AA	1940314612
SNP_P1_83388_45152192	NC_021163.1	Ca_kabuli_chr04	45152192	AA	CC	1940314614
SNP_P1_83389_45153247	NC_021163.1	Ca_kabuli_chr04	45153247	GG	TT	1940314616
SNP_P1_83390_45153256	NC_021163.1	Ca_kabuli_chr04	45153256	GG	TT	1940314617
SNP_P1_83392_45153510	NC_021163.1	Ca_kabuli_chr04	45153510	CC	GG	1940314619
SNP_P1_83393_45153520	NC_021163.1	Ca_kabuli_chr04	45153520	TT	AA	1940314621
SNP_P1_83394_45153527	NC_021163.1	Ca_kabuli_chr04	45153527	TT	CC	1940314622
SNP_P1_83395_45153576	NC_021163.1	Ca_kabuli_chr04	45153576	TT	AA	1940314624
SNP_P1_83396_45153621	NC_021163.1	Ca_kabuli_chr04	45153621	AA	CC	1940314626
SNP_P1_83397_45153636	NC_021163.1	Ca_kabuli_chr04	45153636	GG	AA	1940314628
SNP_P1_83398_45153653	NC_021163.1	Ca_kabuli_chr04	45153653	AA	CC	1940314629
SNP_P1_83400_45153948	NC_021163.1	Ca_kabuli_chr04	45153948	AA	TT	1940314631
SNP_P1_83401_45154017	NC_021163.1	Ca_kabuli_chr04	45154017	CC	TT	1940314633
SNP_P1_83402_45154060	NC_021163.1	Ca_kabuli_chr04	45154060	AA	TT	1940314635
SNP_P1_83403_45154771	NC_021163.1	Ca_kabuli_chr04	45154771	TT	CC	1940314636
SNP_P1_83404_45155764	NC_021163.1	Ca_kabuli_chr04	45155764	CC	AA	1940314638
SNP_P1_83405_45155858	NC_021163.1	Ca_kabuli_chr04	45155858	CC	GG	1940314640
SNP_P1_83407_45156053	NC_021163.1	Ca_kabuli_chr04	45156053	AA	TT	1940314642
SNP_P1_83408_45156811	NC_021163.1	Ca_kabuli_chr04	45156811	CC	TT	1940314643
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SNP_P1_83410_45157212	NC_021163.1	Ca_kabuli_chr04	45157212	TT	CC	1940314647
SNP_P1_83411_45158149	NC_021163.1	Ca_kabuli_chr04	45158149	CC	AA	1940314649
SNP_P1_83413_45158908	NC_021163.1	Ca_kabuli_chr04	45158908	TT	CC	1940314650
SNP_P1_83415_45162112	NC_021163.1	Ca_kabuli_chr04	45162112	GG	AA	1940314652
SNP_P1_83416_45162871	NC_021163.1	Ca_kabuli_chr04	45162871	TT	CC	1940314654
SNP_P1_83417_45162884	NC_021163.1	Ca_kabuli_chr04	45162884	GG	AA	1940314656
SNP_P1_83418_45163306	NC_021163.1	Ca_kabuli_chr04	45163306	AA	CC	1940314657
SNP_P1_83420_45163408	NC_021163.1	Ca_kabuli_chr04	45163408	TT	GG	1940314659
SNP_P1_83421_45163619	NC_021163.1	Ca_kabuli_chr04	45163619	AA	CC	1940314661

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83424_45164118	NC_021163.1	Ca_kabuli_chr04	45164118	CC	TT	1940314666
SNP_P1_83425_45164307	NC_021163.1	Ca_kabuli_chr04	45164307	TT	CC	1940314668
SNP_P1_83427_45165807	NC_021163.1	Ca_kabuli_chr04	45165807	CC	TT	1940314670
SNP_P1_83428_45165894	NC_021163.1	Ca_kabuli_chr04	45165894	GG	TT	1940314671
SNP_P1_83429_45166097	NC_021163.1	Ca_kabuli_chr04	45166097	CC	TT	1940314673
SNP_P1_83430_45166204	NC_021163.1	Ca_kabuli_chr04	45166204	CC	GG	1940314675
SNP_P1_83431_45166233	NC_021163.1	Ca_kabuli_chr04	45166233	AA	GG	1940314677
SNP_P1_83432_45166236	NC_021163.1	Ca_kabuli_chr04	45166236	AA	GG	1940314678
SNP_P1_83433_45166257	NC_021163.1	Ca_kabuli_chr04	45166257	CC	TT	1940314680
SNP_P1_83434_45166264	NC_021163.1	Ca_kabuli_chr04	45166264	GG	AA	1940314682
SNP_P1_83435_45166271	NC_021163.1	Ca_kabuli_chr04	45166271	CC	TT	1940314684
SNP_P1_83436_45166284	NC_021163.1	Ca_kabuli_chr04	45166284	TT	CC	1940314685
SNP_P1_83437_45166323	NC_021163.1	Ca_kabuli_chr04	45166323	TT	AA	1940314687
SNP_P1_83438_45166332	NC_021163.1	Ca_kabuli_chr04	45166332	GG	AA	1940314689
SNP_P1_83439_45166336	NC_021163.1	Ca_kabuli_chr04	45166336	AA	TT	1940314691
SNP_P1_83440_45166337	NC_021163.1	Ca_kabuli_chr04	45166337	AA	TT	1940314692
SNP_P1_83441_45166499	NC_021163.1	Ca_kabuli_chr04	45166499	TT	CC	1940314694
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SNP_P1_83445_45168187	NC_021163.1	Ca_kabuli_chr04	45168187	TT	CC	1940314699
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SNP_P1_83455_45171664	NC_021163.1	Ca_kabuli_chr04	45171664	AA	TT	1940314715
SNP_P1_83456_45171931	NC_021163.1	Ca_kabuli_chr04	45171931	AA	GG	1940314717
SNP_P1_83458_45172133	NC_021163.1	Ca_kabuli_chr04	45172133	TT	AA	1940314719
SNP_P1_83459_45172138	NC_021163.1	Ca_kabuli_chr04	45172138	AA	CC	1940314720
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SNP_P1_83466_45176355	NC_021163.1	Ca_kabuli_chr04	45176355	AA	CC	1940314733
SNP_P1_83467_45176391	NC_021163.1	Ca_kabuli_chr04	45176391	CC	TT	1940314735

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83473_45177215	NC_021163.1	Ca_kabuli_chr04	45177215	AA	CC	1940314740
SNP_P1_83475_45177301	NC_021163.1	Ca_kabuli_chr04	45177301	AA	GG	1940314742
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SNP_P1_83477_45177350	NC_021163.1	Ca_kabuli_chr04	45177350	TT	CC	1940314745
SNP_P1_83478_45177544	NC_021163.1	Ca_kabuli_chr04	45177544	AA	GG	1940314747
SNP_P1_83479_45177600	NC_021163.1	Ca_kabuli_chr04	45177600	TT	CC	1940314749
SNP_P1_83480_45177841	NC_021163.1	Ca_kabuli_chr04	45177841	TT	GG	1940314750
SNP_P1_83482_45178038	NC_021163.1	Ca_kabuli_chr04	45178038	AA	GG	1940314752
SNP_P1_83483_45178070	NC_021163.1	Ca_kabuli_chr04	45178070	TT	CC	1940314754
SNP_P1_83484_45178239	NC_021163.1	Ca_kabuli_chr04	45178239	AA	GG	1940314756
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SNP_P1_83491_45179876	NC_021163.1	Ca_kabuli_chr04	45179876	GG	AA	1940314766
SNP_P1_83492_45179935	NC_021163.1	Ca_kabuli_chr04	45179935	TT	CC	1940314768
SNP_P1_83493_45180517	NC_021163.1	Ca_kabuli_chr04	45180517	AA	GG	1940314770
SNP_P1_83494_45180746	NC_021163.1	Ca_kabuli_chr04	45180746	CC	TT	1940314772
SNP_P1_83495_45180768	NC_021163.1	Ca_kabuli_chr04	45180768	AA	GG	1940314773
SNP_P1_83496_45180975	NC_021163.1	Ca_kabuli_chr04	45180975	CC	TT	1940314775
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SNP_P1_83500_45181859	NC_021163.1	Ca_kabuli_chr04	45181859	TT	CC	1940314782
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SNP_P1_83502_45181862	NC_021163.1	Ca_kabuli_chr04	45181862	AA	TT	1940314785
SNP_P1_83503_45181940	NC_021163.1	Ca_kabuli_chr04	45181940	CC	TT	1940314787
SNP_P1_83504_45182322	NC_021163.1	Ca_kabuli_chr04	45182322	CC	GG	1940314788
SNP_P1_83505_45182560	NC_021163.1	Ca_kabuli_chr04	45182560	TT	AA	1940314790
SNP_P1_83506_45182566	NC_021163.1	Ca_kabuli_chr04	45182566	TT	GG	1940314792
SNP_P1_83507_45182568	NC_021163.1	Ca_kabuli_chr04	45182568	CC	TT	1940314793
SNP_P1_83508_45182614	NC_021163.1	Ca_kabuli_chr04	45182614	TT	CC	1940314795
SNP_P1_83509_45182662	NC_021163.1	Ca_kabuli_chr04	45182662	AA	CC	1940314797
SNP_P1_83510_45182665	NC_021163.1	Ca_kabuli_chr04	45182665	AA	TT	1940314798
SNP_P1_83511_45182685	NC_021163.1	Ca_kabuli_chr04	45182685	TT	CC	1940314800
SNP_P1_83515_45184120	NC_021163.1	Ca_kabuli_chr04	45184120	AA	CC	1940314802
SNP_P1_83516_45184391	NC_021163.1	Ca_kabuli_chr04	45184391	GG	AA	1940314804
SNP_P1_83517_45184401	NC_021163.1	Ca_kabuli_chr04	45184401	CC	AA	1940314805
SNP_P1_83518_45184410	NC_021163.1	Ca_kabuli_chr04	45184410	TT	CC	1940314807

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83521_45184504	NC_021163.1	Ca_kabuli_chr04	45184504	AA	GG	1940314812
SNP_P1_83522_45184557	NC_021163.1	Ca_kabuli_chr04	45184557	CC	AA	1940314814
SNP_P1_83523_45185355	NC_021163.1	Ca_kabuli_chr04	45185355	CC	TT	1940314815
SNP_P1_83524_45185436	NC_021163.1	Ca_kabuli_chr04	45185436	TT	CC	1940314817
SNP_P1_83525_45185867	NC_021163.1	Ca_kabuli_chr04	45185867	CC	AA	1940314819
SNP_P1_83527_45185968	NC_021163.1	Ca_kabuli_chr04	45185968	TT	CC	1940314820
SNP_P1_83528_45186029	NC_021163.1	Ca_kabuli_chr04	45186029	AA	TT	1940314822
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SNP_P1_83530_45186495	NC_021163.1	Ca_kabuli_chr04	45186495	TT	AA	1940314825
SNP_P1_83531_45189440	NC_021163.1	Ca_kabuli_chr04	45189440	TT	AA	1940314827
SNP_P1_83533_45192921	NC_021163.1	Ca_kabuli_chr04	45192921	GG	AA	1940314829
SNP_P1_83534_45193915	NC_021163.1	Ca_kabuli_chr04	45193915	CC	GG	1940314830
SNP_P1_83536_45194111	NC_021163.1	Ca_kabuli_chr04	45194111	CC	AA	1940314832
SNP_P1_83537_45194113	NC_021163.1	Ca_kabuli_chr04	45194113	TT	AA	1940314834
SNP_P1_83538_45194186	NC_021163.1	Ca_kabuli_chr04	45194186	TT	GG	1940314835
SNP_P1_83539_45194268	NC_021163.1	Ca_kabuli_chr04	45194268	CC	TT	1940314837
SNP_P1_83540_45194824	NC_021163.1	Ca_kabuli_chr04	45194824	TT	CC	1940314839
SNP_P1_83541_45194829	NC_021163.1	Ca_kabuli_chr04	45194829	TT	CC	1940314840
SNP_P1_83542_45194890	NC_021163.1	Ca_kabuli_chr04	45194890	CC	TT	1940314842
SNP_P1_83543_45195167	NC_021163.1	Ca_kabuli_chr04	45195167	CC	TT	1940314844
SNP_P1_83546_45195778	NC_021163.1	Ca_kabuli_chr04	45195778	GG	AA	1940314845
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SNP_P1_83548_45195810	NC_021163.1	Ca_kabuli_chr04	45195810	AA	TT	1940314849
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SNP_P1_83554_45197952	NC_021163.1	Ca_kabuli_chr04	45197952	GG	TT	1940314855
SNP_P1_83555_45197980	NC_021163.1	Ca_kabuli_chr04	45197980	CC	TT	1940314857
SNP_P1_83556_45197994	NC_021163.1	Ca_kabuli_chr04	45197994	GG	AA	1940314859
SNP_P1_83557_45198003	NC_021163.1	Ca_kabuli_chr04	45198003	AA	CC	1940314860
SNP_P1_83558_45198275	NC_021163.1	Ca_kabuli_chr04	45198275	CC	TT	1940314862
SNP_P1_83559_45198728	NC_021163.1	Ca_kabuli_chr04	45198728	GG	TT	1940314864
SNP_P1_83560_45198758	NC_021163.1	Ca_kabuli_chr04	45198758	AA	GG	1940314866
SNP_P1_83561_45198761	NC_021163.1	Ca_kabuli_chr04	45198761	GG	TT	1940314867
SNP_P1_83562_45199031	NC_021163.1	Ca_kabuli_chr04	45199031	CC	AA	1940314869
SNP_P1_83563_45199035	NC_021163.1	Ca_kabuli_chr04	45199035	GG	TT	1940314871
SNP_P1_83564_45199036	NC_021163.1	Ca_kabuli_chr04	45199036	TT	CC	1940314872
SNP_P1_83565_45199057	NC_021163.1	Ca_kabuli_chr04	45199057	GG	AA	1940314874
SNP_P1_83566_45199071	NC_021163.1	Ca_kabuli_chr04	45199071	GG	TT	1940314876
SNP_P1_83567_45199072	NC_021163.1	Ca_kabuli_chr04	45199072	AA	GG	1940314877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83570_45200607	NC_021163.1	Ca_kabuli_chr04	45200607	CC	TT	1940314882
SNP_P1_83571_45200643	NC_021163.1	Ca_kabuli_chr04	45200643	TT	AA	1940314884
SNP_P1_83572_45200805	NC_021163.1	Ca_kabuli_chr04	45200805	TT	CC	1940314886
SNP_P1_83573_45203786	NC_021163.1	Ca_kabuli_chr04	45203786	AA	GG	1940314887
SNP_P1_83574_45204569	NC_021163.1	Ca_kabuli_chr04	45204569	TT	CC	1940314889
SNP_P1_83575_45204582	NC_021163.1	Ca_kabuli_chr04	45204582	GG	AA	1940314891
SNP_P1_83576_45204583	NC_021163.1	Ca_kabuli_chr04	45204583	TT	CC	1940314892
SNP_P1_83577_45205584	NC_021163.1	Ca_kabuli_chr04	45205584	GG	AA	1940314894
SNP_P1_83578_45205591	NC_021163.1	Ca_kabuli_chr04	45205591	TT	AA	1940314896
SNP_P1_83579_45205607	NC_021163.1	Ca_kabuli_chr04	45205607	GG	CC	1940314897
SNP_P1_83580_45206032	NC_021163.1	Ca_kabuli_chr04	45206032	GG	TT	1940314899
SNP_P1_83581_45206035	NC_021163.1	Ca_kabuli_chr04	45206035	TT	AA	1940314901
SNP_P1_83582_45206842	NC_021163.1	Ca_kabuli_chr04	45206842	AA	GG	1940314902
SNP_P1_83583_45207613	NC_021163.1	Ca_kabuli_chr04	45207613	AA	GG	1940314904
SNP_P1_83584_45207753	NC_021163.1	Ca_kabuli_chr04	45207753	GG	TT	1940314906
SNP_P1_83585_45208597	NC_021163.1	Ca_kabuli_chr04	45208597	AA	TT	1940314907
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SNP_P1_83588_45211437	NC_021163.1	Ca_kabuli_chr04	45211437	AA	GG	1940314912
SNP_P1_83589_45211440	NC_021163.1	Ca_kabuli_chr04	45211440	GG	CC	1940314914
SNP_P1_83590_45212212	NC_021163.1	Ca_kabuli_chr04	45212212	GG	AA	1940314916
SNP_P1_83591_45216430	NC_021163.1	Ca_kabuli_chr04	45216430	CC	GG	1940314918
SNP_P1_83592_45216470	NC_021163.1	Ca_kabuli_chr04	45216470	AA	CC	1940314919
SNP_P1_83593_45217257	NC_021163.1	Ca_kabuli_chr04	45217257	CC	TT	1940314921
SNP_P1_83594_45217341	NC_021163.1	Ca_kabuli_chr04	45217341	CC	TT	1940314923
SNP_P1_83595_45219038	NC_021163.1	Ca_kabuli_chr04	45219038	TT	GG	1940314924
SNP_P1_83596_45219103	NC_021163.1	Ca_kabuli_chr04	45219103	CC	TT	1940314926
SNP_P1_83597_45219892	NC_021163.1	Ca_kabuli_chr04	45219892	CC	AA	1940314928
SNP_P1_83598_45221597	NC_021163.1	Ca_kabuli_chr04	45221597	CC	TT	1940314929
SNP_P1_83599_45221606	NC_021163.1	Ca_kabuli_chr04	45221606	CC	TT	1940314931
SNP_P1_83600_45221614	NC_021163.1	Ca_kabuli_chr04	45221614	AA	GG	1940314933
SNP_P1_83601_45221629	NC_021163.1	Ca_kabuli_chr04	45221629	TT	CC	1940314934
SNP_P1_83602_45221724	NC_021163.1	Ca_kabuli_chr04	45221724	TT	CC	1940314936
SNP_P1_83603_45221729	NC_021163.1	Ca_kabuli_chr04	45221729	GG	TT	1940314938
SNP_P1_83604_45221740	NC_021163.1	Ca_kabuli_chr04	45221740	GG	TT	1940314939
SNP_P1_83605_45221742	NC_021163.1	Ca_kabuli_chr04	45221742	CC	TT	1940314941
SNP_P1_83606_45221788	NC_021163.1	Ca_kabuli_chr04	45221788	GG	AA	1940314943
SNP_P1_83607_45221793	NC_021163.1	Ca_kabuli_chr04	45221793	GG	AA	1940314944
SNP_P1_83608_45221804	NC_021163.1	Ca_kabuli_chr04	45221804	CC	TT	1940314946
SNP_P1_83609_45221810	NC_021163.1	Ca_kabuli_chr04	45221810	CC	AA	1940314948

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83611_45221846	NC_021163.1	Ca_kabuli_chr04	45221846	AA	GG	1940314951
SNP_P1_83612_45221891	NC_021163.1	Ca_kabuli_chr04	45221891	CC	GG	1940314953
SNP_P1_83613_45221978	NC_021163.1	Ca_kabuli_chr04	45221978	GG	TT	1940314955
SNP_P1_83614_45221990	NC_021163.1	Ca_kabuli_chr04	45221990	AA	CC	1940314956
SNP_P1_83616_45222138	NC_021163.1	Ca_kabuli_chr04	45222138	GG	TT	1940314958
SNP_P1_83617_45222290	NC_021163.1	Ca_kabuli_chr04	45222290	TT	AA	1940314960
SNP_P1_83618_45222292	NC_021163.1	Ca_kabuli_chr04	45222292	GG	AA	1940314961
SNP_P1_83619_45222300	NC_021163.1	Ca_kabuli_chr04	45222300	CC	TT	1940314963
SNP_P1_83620_45222302	NC_021163.1	Ca_kabuli_chr04	45222302	CC	TT	1940314965
SNP_P1_83621_45222334	NC_021163.1	Ca_kabuli_chr04	45222334	TT	CC	1940314966
SNP_P1_83624_45223106	NC_021163.1	Ca_kabuli_chr04	45223106	GG	CC	1940314968
SNP_P1_83626_45223404	NC_021163.1	Ca_kabuli_chr04	45223404	AA	TT	1940314970
SNP_P1_83627_45223548	NC_021163.1	Ca_kabuli_chr04	45223548	AA	TT	1940314971
SNP_P1_83629_45227155	NC_021163.1	Ca_kabuli_chr04	45227155	CC	TT	1940314973
SNP_P1_83630_45227157	NC_021163.1	Ca_kabuli_chr04	45227157	AA	CC	1940314975
SNP_P1_83631_45227161	NC_021163.1	Ca_kabuli_chr04	45227161	GG	AA	1940314976
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SNP_P1_83647_45234950	NC_021163.1	Ca_kabuli_chr04	45234950	GG	AA	1940315001
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SNP_P1_83654_45236678	NC_021163.1	Ca_kabuli_chr04	45236678	GG	AA	1940315011
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SNP_P1_83657_45245711	NC_021163.1	Ca_kabuli_chr04	45245711	GG	AA	1940315015
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SNP_P1_83660_45246214	NC_021163.1	Ca_kabuli_chr04	45246214	TT	CC	1940315020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83665_45247177	NC_021163.1	Ca_kabuli_chr04	45247177	GG	AA	1940315027
SNP_P1_83666_45247386	NC_021163.1	Ca_kabuli_chr04	45247386	GG	AA	1940315029
SNP_P1_83667_45247405	NC_021163.1	Ca_kabuli_chr04	45247405	AA	GG	1940315031
SNP_P1_83668_45247569	NC_021163.1	Ca_kabuli_chr04	45247569	TT	AA	1940315032
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SNP_P1_83671_45248307	NC_021163.1	Ca_kabuli_chr04	45248307	AA	TT	1940315038
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SNP_P1_83677_45249337	NC_021163.1	Ca_kabuli_chr04	45249337	GG	TT	1940315047
SNP_P1_83678_45249406	NC_021163.1	Ca_kabuli_chr04	45249406	AA	TT	1940315048
SNP_P1_83679_45249439	NC_021163.1	Ca_kabuli_chr04	45249439	CC	TT	1940315050
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SNP_P1_83684_45254477	NC_021163.1	Ca_kabuli_chr04	45254477	AA	GG	1940315059
SNP_P1_83685_45254769	NC_021163.1	Ca_kabuli_chr04	45254769	TT	GG	1940315060
SNP_P1_83686_45255977	NC_021163.1	Ca_kabuli_chr04	45255977	AA	TT	1940315062
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SNP_P1_83692_45256948	NC_021163.1	Ca_kabuli_chr04	45256948	TT	GG	1940315069
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SNP_P1_83694_45257254	NC_021163.1	Ca_kabuli_chr04	45257254	AA	GG	1940315073
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SNP_P1_83696_45258932	NC_021163.1	Ca_kabuli_chr04	45258932	TT	GG	1940315076
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SNP_P1_83701_45259280	NC_021163.1	Ca_kabuli_chr04	45259280	TT	CC	1940315085
SNP_P1_83702_45259666	NC_021163.1	Ca_kabuli_chr04	45259666	CC	TT	1940315087
SNP_P1_83703_45259700	NC_021163.1	Ca_kabuli_chr04	45259700	GG	AA	1940315088
SNP_P1_83704_45259718	NC_021163.1	Ca_kabuli_chr04	45259718	AA	GG	1940315090
SNP_P1_83705_45259822	NC_021163.1	Ca_kabuli_chr04	45259822	TT	CC	1940315092
SNP_P1_83706_45260735	NC_021163.1	Ca_kabuli_chr04	45260735	AA	GG	1940315094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_83707_45261302	NC_021163.1	Ca_kabuli_chr04	45261302	GG	AA	1940315095
SNP_P1_83708_45261777	NC_021163.1	Ca_kabuli_chr04	45261777	TT	AA	1940315097
SNP_P1_83709_45261789	NC_021163.1	Ca_kabuli_chr04	45261789	GG	AA	1940315099
SNP_P1_83710_45261805	NC_021163.1	Ca_kabuli_chr04	45261805	GG	AA	1940315101
SNP_P1_83711_45261829	NC_021163.1	Ca_kabuli_chr04	45261829	TT	CC	1940315102
SNP_P1_83712_45261830	NC_021163.1	Ca_kabuli_chr04	45261830	AA	GG	1940315104
SNP_P1_83713_45263598	NC_021163.1	Ca_kabuli_chr04	45263598	AA	TT	1940315106
SNP_P1_83714_45264722	NC_021163.1	Ca_kabuli_chr04	45264722	AA	TT	1940315107
SNP_P1_83715_45264898	NC_021163.1	Ca_kabuli_chr04	45264898	GG	AA	1940315109
SNP_P1_83716_45264913	NC_021163.1	Ca_kabuli_chr04	45264913	CC	TT	1940315111
SNP_P1_83717_45264938	NC_021163.1	Ca_kabuli_chr04	45264938	CC	TT	1940315113
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SNP_P1_83722_45268974	NC_021163.1	Ca_kabuli_chr04	45268974	CC	AA	1940315116
SNP_P1_83723_45269300	NC_021163.1	Ca_kabuli_chr04	45269300	TT	AA	1940315118
SNP_P1_83725_45269991	NC_021163.1	Ca_kabuli_chr04	45269991	TT	CC	1940315120
SNP_P1_83726_45270172	NC_021163.1	Ca_kabuli_chr04	45270172	CC	TT	1940315121
SNP_P1_83728_45272289	NC_021163.1	Ca_kabuli_chr04	45272289	CC	TT	1940315123
SNP_P1_83729_45272369	NC_021163.1	Ca_kabuli_chr04	45272369	CC	TT	1940315125
SNP_P1_83730_45272521	NC_021163.1	Ca_kabuli_chr04	45272521	AA	GG	1940315127
SNP_P1_83731_45272548	NC_021163.1	Ca_kabuli_chr04	45272548	TT	GG	1940315128
SNP_P1_83732_45272872	NC_021163.1	Ca_kabuli_chr04	45272872	AA	GG	1940315130
SNP_P1_83733_45272902	NC_021163.1	Ca_kabuli_chr04	45272902	AA	GG	1940315132
SNP_P1_83734_45273148	NC_021163.1	Ca_kabuli_chr04	45273148	AA	GG	1940315133
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SNP_P1_83736_45273163	NC_021163.1	Ca_kabuli_chr04	45273163	TT	CC	1940315137
SNP_P1_83737_45273174	NC_021163.1	Ca_kabuli_chr04	45273174	AA	TT	1940315138
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SNP_P1_83739_45273189	NC_021163.1	Ca_kabuli_chr04	45273189	AA	GG	1940315142
SNP_P1_83740_45273241	NC_021163.1	Ca_kabuli_chr04	45273241	AA	GG	1940315144
SNP_P1_83741_45273283	NC_021163.1	Ca_kabuli_chr04	45273283	AA	CC	1940315145
SNP_P1_83742_45273431	NC_021163.1	Ca_kabuli_chr04	45273431	GG	TT	1940315147
SNP_P1_83743_45273484	NC_021163.1	Ca_kabuli_chr04	45273484	CC	TT	1940315149
SNP_P1_83744_45273550	NC_021163.1	Ca_kabuli_chr04	45273550	AA	GG	1940315150
SNP_P1_83745_45274702	NC_021163.1	Ca_kabuli_chr04	45274702	AA	TT	1940315152
SNP_P1_83746_45276311	NC_021163.1	Ca_kabuli_chr04	45276311	GG	TT	1940315154
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SNP_P1_83749_45287871	NC_021163.1	Ca_kabuli_chr04	45287871	AA	GG	1940315159
SNP_P1_83750_45289437	NC_021163.1	Ca_kabuli_chr04	45289437	AA	TT	1940315160
SNP_P1_83751_45289658	NC_021163.1	Ca_kabuli_chr04	45289658	TT	CC	1940315162
SNP_P1_83752_45289803	NC_021163.1	Ca_kabuli_chr04	45289803	GG	AA	1940315164
SNP_P1_83754_45289977	NC_021163.1	Ca_kabuli_chr04	45289977	AA	GG	1940315165

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83756_45290113	NC_021163.1	Ca_kabuli_chr04	45290113	CC	TT	1940315169
SNP_P1_83757_45290157	NC_021163.1	Ca_kabuli_chr04	45290157	AA	GG	1940315170
SNP_P1_83758_45290250	NC_021163.1	Ca_kabuli_chr04	45290250	AA	GG	1940315172
SNP_P1_83759_45290285	NC_021163.1	Ca_kabuli_chr04	45290285	CC	TT	1940315174
SNP_P1_83760_45290369	NC_021163.1	Ca_kabuli_chr04	45290369	CC	AA	1940315175
SNP_P1_83761_45290411	NC_021163.1	Ca_kabuli_chr04	45290411	AA	TT	1940315177
SNP_P1_83763_45290660	NC_021163.1	Ca_kabuli_chr04	45290660	CC	TT	1940315179
SNP_P1_83764_45292453	NC_021163.1	Ca_kabuli_chr04	45292453	GG	CC	1940315180
SNP_P1_83765_45295411	NC_021163.1	Ca_kabuli_chr04	45295411	TT	AA	1940315182
SNP_P1_83766_45295608	NC_021163.1	Ca_kabuli_chr04	45295608	CC	AA	1940315184
SNP_P1_83767_45296379	NC_021163.1	Ca_kabuli_chr04	45296379	AA	GG	1940315185
SNP_P1_83768_45296581	NC_021163.1	Ca_kabuli_chr04	45296581	AA	GG	1940315187
SNP_P1_83769_45296593	NC_021163.1	Ca_kabuli_chr04	45296593	GG	AA	1940315189
SNP_P1_83770_45296608	NC_021163.1	Ca_kabuli_chr04	45296608	TT	CC	1940315190
SNP_P1_83771_45296611	NC_021163.1	Ca_kabuli_chr04	45296611	TT	CC	1940315192
SNP_P1_83772_45296616	NC_021163.1	Ca_kabuli_chr04	45296616	GG	AA	1940315194
SNP_P1_83773_45296623	NC_021163.1	Ca_kabuli_chr04	45296623	GG	AA	1940315195
SNP_P1_83774_45296825	NC_021163.1	Ca_kabuli_chr04	45296825	GG	TT	1940315197
SNP_P1_83775_45296865	NC_021163.1	Ca_kabuli_chr04	45296865	GG	AA	1940315199
SNP_P1_83776_45296959	NC_021163.1	Ca_kabuli_chr04	45296959	GG	AA	1940315200
SNP_P1_83777_45296982	NC_021163.1	Ca_kabuli_chr04	45296982	CC	TT	1940315202
SNP_P1_83778_45297014	NC_021163.1	Ca_kabuli_chr04	45297014	AA	GG	1940315204
SNP_P1_83779_45297262	NC_021163.1	Ca_kabuli_chr04	45297262	AA	GG	1940315205
SNP_P1_83781_45297841	NC_021163.1	Ca_kabuli_chr04	45297841	AA	GG	1940315207
SNP_P1_83782_45297847	NC_021163.1	Ca_kabuli_chr04	45297847	GG	CC	1940315209
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SNP_P1_83785_45298239	NC_021163.1	Ca_kabuli_chr04	45298239	AA	TT	1940315214
SNP_P1_83786_45298242	NC_021163.1	Ca_kabuli_chr04	45298242	AA	GG	1940315215
SNP_P1_83788_45298548	NC_021163.1	Ca_kabuli_chr04	45298548	TT	CC	1940315217
SNP_P1_83789_45298697	NC_021163.1	Ca_kabuli_chr04	45298697	AA	GG	1940315219
SNP_P1_83790_45298711	NC_021163.1	Ca_kabuli_chr04	45298711	AA	GG	1940315220
SNP_P1_83791_45298736	NC_021163.1	Ca_kabuli_chr04	45298736	AA	GG	1940315222
SNP_P1_83792_45298749	NC_021163.1	Ca_kabuli_chr04	45298749	TT	CC	1940315224
SNP_P1_83793_45298755	NC_021163.1	Ca_kabuli_chr04	45298755	GG	AA	1940315225
SNP_P1_83795_45299665	NC_021163.1	Ca_kabuli_chr04	45299665	AA	GG	1940315227
SNP_P1_83796_45299689	NC_021163.1	Ca_kabuli_chr04	45299689	CC	GG	1940315229
SNP_P1_83797_45299823	NC_021163.1	Ca_kabuli_chr04	45299823	GG	AA	1940315230
SNP_P1_83798_45300185	NC_021163.1	Ca_kabuli_chr04	45300185	GG	AA	1940315232
SNP_P1_83799_45300275	NC_021163.1	Ca_kabuli_chr04	45300275	GG	AA	1940315234
SNP_P1_83800_45302876	NC_021163.1	Ca_kabuli_chr04	45302876	GG	AA	1940315236

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83803_45306556	NC_021163.1	Ca_kabuli_chr04	45306556	GG	AA	1940315239
SNP_P1_83804_45307852	NC_021163.1	Ca_kabuli_chr04	45307852	CC	TT	1940315241
SNP_P1_83805_45308193	NC_021163.1	Ca_kabuli_chr04	45308193	AA	GG	1940315242
SNP_P1_83806_45309031	NC_021163.1	Ca_kabuli_chr04	45309031	CC	AA	1940315244
SNP_P1_83807_45309238	NC_021163.1	Ca_kabuli_chr04	45309238	TT	CC	1940315246
SNP_P1_83808_45309436	NC_021163.1	Ca_kabuli_chr04	45309436	CC	AA	1940315247
SNP_P1_83809_45317886	NC_021163.1	Ca_kabuli_chr04	45317886	TT	CC	1940315249
SNP_P1_83810_45317887	NC_021163.1	Ca_kabuli_chr04	45317887	GG	AA	1940315251
SNP_P1_83811_45317926	NC_021163.1	Ca_kabuli_chr04	45317926	GG	AA	1940315252
SNP_P1_83812_45317933	NC_021163.1	Ca_kabuli_chr04	45317933	AA	TT	1940315254
SNP_P1_83813_45318102	NC_021163.1	Ca_kabuli_chr04	45318102	CC	AA	1940315256
SNP_P1_83814_45319171	NC_021163.1	Ca_kabuli_chr04	45319171	TT	CC	1940315257
SNP_P1_83815_45319381	NC_021163.1	Ca_kabuli_chr04	45319381	AA	GG	1940315259
SNP_P1_83816_45319383	NC_021163.1	Ca_kabuli_chr04	45319383	TT	CC	1940315261
SNP_P1_83817_45319429	NC_021163.1	Ca_kabuli_chr04	45319429	TT	GG	1940315262
SNP_P1_83818_45320414	NC_021163.1	Ca_kabuli_chr04	45320414	TT	CC	1940315264
SNP_P1_83819_45320430	NC_021163.1	Ca_kabuli_chr04	45320430	TT	GG	1940315266
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SNP_P1_83821_45320589	NC_021163.1	Ca_kabuli_chr04	45320589	TT	CC	1940315269
SNP_P1_83822_45320639	NC_021163.1	Ca_kabuli_chr04	45320639	TT	CC	1940315271
SNP_P1_83823_45320975	NC_021163.1	Ca_kabuli_chr04	45320975	AA	GG	1940315272
SNP_P1_83824_45320977	NC_021163.1	Ca_kabuli_chr04	45320977	TT	CC	1940315274
SNP_P1_83825_45320978	NC_021163.1	Ca_kabuli_chr04	45320978	AA	TT	1940315276
SNP_P1_83827_45321059	NC_021163.1	Ca_kabuli_chr04	45321059	TT	CC	1940315277
SNP_P1_83828_45321618	NC_021163.1	Ca_kabuli_chr04	45321618	GG	AA	1940315279
SNP_P1_83829_45322779	NC_021163.1	Ca_kabuli_chr04	45322779	AA	GG	1940315281
SNP_P1_83830_45323119	NC_021163.1	Ca_kabuli_chr04	45323119	AA	CC	1940315282
SNP_P1_83832_45323730	NC_021163.1	Ca_kabuli_chr04	45323730	TT	CC	1940315284
SNP_P1_83833_45323751	NC_021163.1	Ca_kabuli_chr04	45323751	AA	GG	1940315286
SNP_P1_83834_45326033	NC_021163.1	Ca_kabuli_chr04	45326033	GG	AA	1940315288
SNP_P1_83835_45328251	NC_021163.1	Ca_kabuli_chr04	45328251	CC	TT	1940315289
SNP_P1_83836_45330627	NC_021163.1	Ca_kabuli_chr04	45330627	GG	AA	1940315291
SNP_P1_83837_45330703	NC_021163.1	Ca_kabuli_chr04	45330703	GG	CC	1940315293
SNP_P1_83838_45330905	NC_021163.1	Ca_kabuli_chr04	45330905	CC	TT	1940315294
SNP_P1_83839_45330909	NC_021163.1	Ca_kabuli_chr04	45330909	GG	TT	1940315296
SNP_P1_83840_45330954	NC_021163.1	Ca_kabuli_chr04	45330954	AA	GG	1940315298
SNP_P1_83841_45330984	NC_021163.1	Ca_kabuli_chr04	45330984	GG	TT	1940315299
SNP_P1_83842_45330997	NC_021163.1	Ca_kabuli_chr04	45330997	AA	GG	1940315301
SNP_P1_83843_45331005	NC_021163.1	Ca_kabuli_chr04	45331005	AA	GG	1940315303
SNP_P1_83844_45331086	NC_021163.1	Ca_kabuli_chr04	45331086	GG	TT	1940315304
SNP_P1_83845_45331260	NC_021163.1	Ca_kabuli_chr04	45331260	AA	GG	1940315306

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83849_45331985	NC_021163.1	Ca_kabuli_chr04	45331985	TT	CC	1940315313
SNP_P1_83850_45332040	NC_021163.1	Ca_kabuli_chr04	45332040	TT	AA	1940315314
SNP_P1_83852_45332279	NC_021163.1	Ca_kabuli_chr04	45332279	GG	TT	1940315316
SNP_P1_83853_45332429	NC_021163.1	Ca_kabuli_chr04	45332429	GG	AA	1940315318
SNP_P1_83854_45332436	NC_021163.1	Ca_kabuli_chr04	45332436	CC	TT	1940315319
SNP_P1_83855_45332438	NC_021163.1	Ca_kabuli_chr04	45332438	CC	TT	1940315321
SNP_P1_83856_45332509	NC_021163.1	Ca_kabuli_chr04	45332509	TT	CC	1940315323
SNP_P1_83857_45332562	NC_021163.1	Ca_kabuli_chr04	45332562	TT	CC	1940315324
SNP_P1_83858_45332567	NC_021163.1	Ca_kabuli_chr04	45332567	GG	AA	1940315326
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SNP_P1_83861_45332742	NC_021163.1	Ca_kabuli_chr04	45332742	AA	CC	1940315331
SNP_P1_83863_45332768	NC_021163.1	Ca_kabuli_chr04	45332768	TT	CC	1940315333
SNP_P1_83864_45332798	NC_021163.1	Ca_kabuli_chr04	45332798	AA	GG	1940315334
SNP_P1_83865_45332802	NC_021163.1	Ca_kabuli_chr04	45332802	TT	CC	1940315336
SNP_P1_83866_45332813	NC_021163.1	Ca_kabuli_chr04	45332813	TT	AA	1940315338
SNP_P1_83868_45332983	NC_021163.1	Ca_kabuli_chr04	45332983	GG	CC	1940315339
SNP_P1_83869_45333176	NC_021163.1	Ca_kabuli_chr04	45333176	AA	GG	1940315341
SNP_P1_83870_45333505	NC_021163.1	Ca_kabuli_chr04	45333505	TT	CC	1940315343
SNP_P1_83871_45333866	NC_021163.1	Ca_kabuli_chr04	45333866	CC	AA	1940315345
SNP_P1_83873_45334270	NC_021163.1	Ca_kabuli_chr04	45334270	TT	GG	1940315346
SNP_P1_83874_45334402	NC_021163.1	Ca_kabuli_chr04	45334402	TT	CC	1940315348
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SNP_P1_83878_45334592	NC_021163.1	Ca_kabuli_chr04	45334592	CC	AA	1940315351
SNP_P1_83879_45334601	NC_021163.1	Ca_kabuli_chr04	45334601	AA	CC	1940315353
SNP_P1_83880_45334618	NC_021163.1	Ca_kabuli_chr04	45334618	AA	GG	1940315355
SNP_P1_83881_45334638	NC_021163.1	Ca_kabuli_chr04	45334638	GG	CC	1940315357
SNP_P1_83883_45334730	NC_021163.1	Ca_kabuli_chr04	45334730	AA	GG	1940315358
SNP_P1_83884_45334776	NC_021163.1	Ca_kabuli_chr04	45334776	CC	TT	1940315360
SNP_P1_83885_45334819	NC_021163.1	Ca_kabuli_chr04	45334819	GG	AA	1940315362
SNP_P1_83887_45334896	NC_021163.1	Ca_kabuli_chr04	45334896	GG	AA	1940315364
SNP_P1_83888_45334922	NC_021163.1	Ca_kabuli_chr04	45334922	CC	TT	1940315365
SNP_P1_83890_45335054	NC_021163.1	Ca_kabuli_chr04	45335054	TT	GG	1940315367
SNP_P1_83891_45335433	NC_021163.1	Ca_kabuli_chr04	45335433	AA	CC	1940315369
SNP_P1_83895_45339326	NC_021163.1	Ca_kabuli_chr04	45339326	AA	GG	1940315371
SNP_P1_83896_45339344	NC_021163.1	Ca_kabuli_chr04	45339344	AA	TT	1940315372
SNP_P1_83897_45339379	NC_021163.1	Ca_kabuli_chr04	45339379	GG	AA	1940315374
SNP_P1_83898_45339584	NC_021163.1	Ca_kabuli_chr04	45339584	GG	AA	1940315376
SNP_P1_83899_45339980	NC_021163.1	Ca_kabuli_chr04	45339980	CC	GG	1940315377

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83903_45341435	NC_021163.1	Ca_kabuli_chr04	45341435	GG	AA	1940315381
SNP_P1_83904_45341439	NC_021163.1	Ca_kabuli_chr04	45341439	AA	TT	1940315383
SNP_P1_83906_45341657	NC_021163.1	Ca_kabuli_chr04	45341657	CC	GG	1940315384
SNP_P1_83907_45341671	NC_021163.1	Ca_kabuli_chr04	45341671	GG	AA	1940315386
SNP_P1_83909_45343374	NC_021163.1	Ca_kabuli_chr04	45343374	CC	TT	1940315388
SNP_P1_83911_45345551	NC_021163.1	Ca_kabuli_chr04	45345551	GG	AA	1940315390
SNP_P1_83912_45345769	NC_021163.1	Ca_kabuli_chr04	45345769	AA	CC	1940315391
SNP_P1_83913_45345799	NC_021163.1	Ca_kabuli_chr04	45345799	GG	AA	1940315393
SNP_P1_83914_45345813	NC_021163.1	Ca_kabuli_chr04	45345813	GG	TT	1940315395
SNP_P1_83916_45347361	NC_021163.1	Ca_kabuli_chr04	45347361	TT	CC	1940315397
SNP_P1_83917_45348638	NC_021163.1	Ca_kabuli_chr04	45348638	AA	TT	1940315398
SNP_P1_83918_45348894	NC_021163.1	Ca_kabuli_chr04	45348894	GG	CC	1940315400
SNP_P1_83919_45348912	NC_021163.1	Ca_kabuli_chr04	45348912	GG	AA	1940315402
SNP_P1_83920_45348985	NC_021163.1	Ca_kabuli_chr04	45348985	CC	TT	1940315404
SNP_P1_83921_45349158	NC_021163.1	Ca_kabuli_chr04	45349158	GG	AA	1940315405
SNP_P1_83923_45349966	NC_021163.1	Ca_kabuli_chr04	45349966	AA	GG	1940315407
SNP_P1_83925_45350274	NC_021163.1	Ca_kabuli_chr04	45350274	TT	AA	1940315409
SNP_P1_83926_45350296	NC_021163.1	Ca_kabuli_chr04	45350296	TT	CC	1940315411
SNP_P1_83928_45350533	NC_021163.1	Ca_kabuli_chr04	45350533	CC	GG	1940315412
SNP_P1_83929_45350556	NC_021163.1	Ca_kabuli_chr04	45350556	AA	GG	1940315414
SNP_P1_83930_45350563	NC_021163.1	Ca_kabuli_chr04	45350563	CC	AA	1940315416
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SNP_P1_83932_45350607	NC_021163.1	Ca_kabuli_chr04	45350607	TT	CC	1940315419
SNP_P1_83933_45350719	NC_021163.1	Ca_kabuli_chr04	45350719	GG	TT	1940315421
SNP_P1_83934_45350842	NC_021163.1	Ca_kabuli_chr04	45350842	TT	GG	1940315423
SNP_P1_83935_45351152	NC_021163.1	Ca_kabuli_chr04	45351152	AA	GG	1940315425
SNP_P1_83936_45351163	NC_021163.1	Ca_kabuli_chr04	45351163	GG	AA	1940315426
SNP_P1_83937_45351706	NC_021163.1	Ca_kabuli_chr04	45351706	CC	AA	1940315428
SNP_P1_83938_45352564	NC_021163.1	Ca_kabuli_chr04	45352564	GG	AA	1940315430
SNP_P1_83939_45352964	NC_021163.1	Ca_kabuli_chr04	45352964	CC	AA	1940315432
SNP_P1_83940_45352970	NC_021163.1	Ca_kabuli_chr04	45352970	TT	CC	1940315433
SNP_P1_83941_45358550	NC_021163.1	Ca_kabuli_chr04	45358550	GG	TT	1940315435
SNP_P1_83943_45359097	NC_021163.1	Ca_kabuli_chr04	45359097	GG	CC	1940315437
SNP_P1_83944_45359697	NC_021163.1	Ca_kabuli_chr04	45359697	CC	TT	1940315438
SNP_P1_83945_45359715	NC_021163.1	Ca_kabuli_chr04	45359715	TT	CC	1940315440
SNP_P1_83948_45363417	NC_021163.1	Ca_kabuli_chr04	45363417	TT	CC	1940315442
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SNP_P1_83950_45363988	NC_021163.1	Ca_kabuli_chr04	45363988	CC	TT	1940315445
SNP_P1_83951_45363994	NC_021163.1	Ca_kabuli_chr04	45363994	GG	CC	1940315447
SNP_P1_83952_45363996	NC_021163.1	Ca_kabuli_chr04	45363996	TT	CC	1940315449
SNP_P1_83953_45364036	NC_021163.1	Ca_kabuli_chr04	45364036	TT	CC	1940315451

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_83955_45366029	NC_021163.1	Ca_kabuli_chr04	45366029	TT	AA	1940315454
SNP_P1_83956_45366071	NC_021163.1	Ca_kabuli_chr04	45366071	CC	TT	1940315456
SNP_P1_83957_45366107	NC_021163.1	Ca_kabuli_chr04	45366107	TT	CC	1940315458
SNP_P1_83958_45366132	NC_021163.1	Ca_kabuli_chr04	45366132	TT	AA	1940315459
SNP_P1_83960_45366891	NC_021163.1	Ca_kabuli_chr04	45366891	AA	TT	1940315461
SNP_P1_83961_45366894	NC_021163.1	Ca_kabuli_chr04	45366894	CC	TT	1940315463
SNP_P1_83962_45366895	NC_021163.1	Ca_kabuli_chr04	45366895	CC	TT	1940315465
SNP_P1_83963_45367103	NC_021163.1	Ca_kabuli_chr04	45367103	CC	GG	1940315466
SNP_P1_83966_45368488	NC_021163.1	Ca_kabuli_chr04	45368488	AA	CC	1940315468
SNP_P1_83967_45368836	NC_021163.1	Ca_kabuli_chr04	45368836	GG	CC	1940315470
SNP_P1_83969_45369208	NC_021163.1	Ca_kabuli_chr04	45369208	GG	AA	1940315472
SNP_P1_83970_45369315	NC_021163.1	Ca_kabuli_chr04	45369315	AA	GG	1940315473
SNP_P1_83971_45369494	NC_021163.1	Ca_kabuli_chr04	45369494	CC	TT	1940315475
SNP_P1_83972_45369504	NC_021163.1	Ca_kabuli_chr04	45369504	TT	CC	1940315477
SNP_P1_83973_45369542	NC_021163.1	Ca_kabuli_chr04	45369542	TT	CC	1940315479
SNP_P1_83974_45369549	NC_021163.1	Ca_kabuli_chr04	45369549	AA	GG	1940315481
SNP_P1_83975_45369552	NC_021163.1	Ca_kabuli_chr04	45369552	TT	AA	1940315482
SNP_P1_83976_45370338	NC_021163.1	Ca_kabuli_chr04	45370338	TT	CC	1940315484
SNP_P1_83977_45370387	NC_021163.1	Ca_kabuli_chr04	45370387	TT	AA	1940315486
SNP_P1_83978_45370503	NC_021163.1	Ca_kabuli_chr04	45370503	TT	GG	1940315488
SNP_P1_83979_45370569	NC_021163.1	Ca_kabuli_chr04	45370569	TT	AA	1940315489
SNP_P1_83980_45370589	NC_021163.1	Ca_kabuli_chr04	45370589	GG	CC	1940315491
SNP_P1_83981_45370614	NC_021163.1	Ca_kabuli_chr04	45370614	GG	TT	1940315493
SNP_P1_83983_45370825	NC_021163.1	Ca_kabuli_chr04	45370825	CC	AA	1940315494
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SNP_P1_83986_45370882	NC_021163.1	Ca_kabuli_chr04	45370882	CC	TT	1940315499
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SNP_P1_83988_45370954	NC_021163.1	Ca_kabuli_chr04	45370954	GG	AA	1940315503
SNP_P1_83989_45370955	NC_021163.1	Ca_kabuli_chr04	45370955	AA	GG	1940315504
SNP_P1_83990_45370959	NC_021163.1	Ca_kabuli_chr04	45370959	CC	TT	1940315506
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SNP_P1_83992_45371075	NC_021163.1	Ca_kabuli_chr04	45371075	CC	TT	1940315509
SNP_P1_83993_45371147	NC_021163.1	Ca_kabuli_chr04	45371147	GG	CC	1940315511
SNP_P1_83994_45371155	NC_021163.1	Ca_kabuli_chr04	45371155	AA	GG	1940315513
SNP_P1_83995_45371170	NC_021163.1	Ca_kabuli_chr04	45371170	CC	TT	1940315515
SNP_P1_83996_45371230	NC_021163.1	Ca_kabuli_chr04	45371230	AA	GG	1940315516
SNP_P1_83997_45371255	NC_021163.1	Ca_kabuli_chr04	45371255	CC	AA	1940315518
SNP_P1_83998_45371268	NC_021163.1	Ca_kabuli_chr04	45371268	TT	CC	1940315520
SNP_P1_84000_45371400	NC_021163.1	Ca_kabuli_chr04	45371400	CC	TT	1940315521
SNP_P1_84001_45371478	NC_021163.1	Ca_kabuli_chr04	45371478	TT	CC	1940315523

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84003_45372376	NC_021163.1	Ca_kabuli_chr04	45372376	CC	TT	1940315526
SNP_P1_84004_45372381	NC_021163.1	Ca_kabuli_chr04	45372381	GG	CC	1940315528
SNP_P1_84006_45373007	NC_021163.1	Ca_kabuli_chr04	45373007	TT	CC	1940315530
SNP_P1_84007_45373366	NC_021163.1	Ca_kabuli_chr04	45373366	TT	GG	1940315531
SNP_P1_84008_45373630	NC_021163.1	Ca_kabuli_chr04	45373630	GG	TT	1940315533
SNP_P1_84009_45373644	NC_021163.1	Ca_kabuli_chr04	45373644	CC	TT	1940315535
SNP_P1_84010_45373671	NC_021163.1	Ca_kabuli_chr04	45373671	GG	TT	1940315536
SNP_P1_84011_45373741	NC_021163.1	Ca_kabuli_chr04	45373741	CC	AA	1940315538
SNP_P1_84012_45374397	NC_021163.1	Ca_kabuli_chr04	45374397	GG	CC	1940315540
SNP_P1_84013_45377354	NC_021163.1	Ca_kabuli_chr04	45377354	GG	AA	1940315541
SNP_P1_84014_45377409	NC_021163.1	Ca_kabuli_chr04	45377409	CC	TT	1940315543
SNP_P1_84016_45377555	NC_021163.1	Ca_kabuli_chr04	45377555	AA	CC	1940315545
SNP_P1_84018_45377599	NC_021163.1	Ca_kabuli_chr04	45377599	TT	CC	1940315546
SNP_P1_84020_45379258	NC_021163.1	Ca_kabuli_chr04	45379258	CC	TT	1940315548
SNP_P1_84021_45379601	NC_021163.1	Ca_kabuli_chr04	45379601	TT	CC	1940315550
SNP_P1_84022_45379641	NC_021163.1	Ca_kabuli_chr04	45379641	GG	AA	1940315551
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SNP_P1_84024_45380343	NC_021163.1	Ca_kabuli_chr04	45380343	AA	GG	1940315555
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SNP_P1_84027_45380439	NC_021163.1	Ca_kabuli_chr04	45380439	GG	AA	1940315558
SNP_P1_84028_45380477	NC_021163.1	Ca_kabuli_chr04	45380477	GG	AA	1940315560
SNP_P1_84029_45380602	NC_021163.1	Ca_kabuli_chr04	45380602	AA	GG	1940315561
SNP_P1_84030_45381505	NC_021163.1	Ca_kabuli_chr04	45381505	AA	GG	1940315563
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SNP_P1_84032_45382361	NC_021163.1	Ca_kabuli_chr04	45382361	GG	TT	1940315566
SNP_P1_84034_45383604	NC_021163.1	Ca_kabuli_chr04	45383604	TT	CC	1940315568
SNP_P1_84035_45383608	NC_021163.1	Ca_kabuli_chr04	45383608	CC	TT	1940315570
SNP_P1_84036_45383614	NC_021163.1	Ca_kabuli_chr04	45383614	CC	TT	1940315571
SNP_P1_84037_45383984	NC_021163.1	Ca_kabuli_chr04	45383984	CC	TT	1940315573
SNP_P1_84038_45384017	NC_021163.1	Ca_kabuli_chr04	45384017	GG	CC	1940315575
SNP_P1_84039_45384448	NC_021163.1	Ca_kabuli_chr04	45384448	TT	AA	1940315576
SNP_P1_84040_45385221	NC_021163.1	Ca_kabuli_chr04	45385221	GG	AA	1940315578
SNP_P1_84041_45385510	NC_021163.1	Ca_kabuli_chr04	45385510	CC	AA	1940315580
SNP_P1_84042_45385906	NC_021163.1	Ca_kabuli_chr04	45385906	CC	GG	1940315581
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SNP_P1_84044_45387737	NC_021163.1	Ca_kabuli_chr04	45387737	CC	TT	1940315585
SNP_P1_84045_45387968	NC_021163.1	Ca_kabuli_chr04	45387968	GG	TT	1940315586
SNP_P1_84046_45387970	NC_021163.1	Ca_kabuli_chr04	45387970	AA	TT	1940315588
SNP_P1_84047_45387992	NC_021163.1	Ca_kabuli_chr04	45387992	TT	CC	1940315590
SNP_P1_84048_45388004	NC_021163.1	Ca_kabuli_chr04	45388004	GG	TT	1940315591
SNP_P1_84049_45388008	NC_021163.1	Ca_kabuli_chr04	45388008	AA	TT	1940315593

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84052_45388799	NC_021163.1	Ca_kabuli_chr04	45388799	AA	GG	1940315598
SNP_P1_84053_45388800	NC_021163.1	Ca_kabuli_chr04	45388800	TT	AA	1940315600
SNP_P1_84054_45388980	NC_021163.1	Ca_kabuli_chr04	45388980	TT	CC	1940315601
SNP_P1_84055_45389029	NC_021163.1	Ca_kabuli_chr04	45389029	CC	TT	1940315603
SNP_P1_84056_45389036	NC_021163.1	Ca_kabuli_chr04	45389036	TT	AA	1940315605
SNP_P1_84058_45389265	NC_021163.1	Ca_kabuli_chr04	45389265	AA	GG	1940315606
SNP_P1_84059_45389371	NC_021163.1	Ca_kabuli_chr04	45389371	GG	CC	1940315608
SNP_P1_84060_45389523	NC_021163.1	Ca_kabuli_chr04	45389523	TT	AA	1940315610
SNP_P1_84061_45389682	NC_021163.1	Ca_kabuli_chr04	45389682	TT	CC	1940315611
SNP_P1_84062_45389775	NC_021163.1	Ca_kabuli_chr04	45389775	CC	AA	1940315613
SNP_P1_84063_45390078	NC_021163.1	Ca_kabuli_chr04	45390078	TT	CC	1940315615
SNP_P1_84064_45390374	NC_021163.1	Ca_kabuli_chr04	45390374	CC	AA	1940315616
SNP_P1_84066_45391934	NC_021163.1	Ca_kabuli_chr04	45391934	CC	AA	1940315618
SNP_P1_84067_45392838	NC_021163.1	Ca_kabuli_chr04	45392838	TT	CC	1940315620
SNP_P1_84068_45393002	NC_021163.1	Ca_kabuli_chr04	45393002	TT	AA	1940315622
SNP_P1_84069_45393046	NC_021163.1	Ca_kabuli_chr04	45393046	AA	TT	1940315623
SNP_P1_84070_45393049	NC_021163.1	Ca_kabuli_chr04	45393049	AA	GG	1940315625
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SNP_P1_84075_45395821	NC_021163.1	Ca_kabuli_chr04	45395821	GG	TT	1940315630
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SNP_P1_84078_45395862	NC_021163.1	Ca_kabuli_chr04	45395862	AA	TT	1940315635
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SNP_P1_84084_45398760	NC_021163.1	Ca_kabuli_chr04	45398760	AA	GG	1940315643
SNP_P1_84085_45398791	NC_021163.1	Ca_kabuli_chr04	45398791	GG	AA	1940315645
SNP_P1_84086_45398805	NC_021163.1	Ca_kabuli_chr04	45398805	GG	AA	1940315647
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SNP_P1_84089_45398827	NC_021163.1	Ca_kabuli_chr04	45398827	AA	GG	1940315652
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SNP_P1_84097_45399356	NC_021163.1	Ca_kabuli_chr04	45399356	TT	GG	1940315663

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84102_45400211	NC_021163.1	Ca_kabuli_chr04	45400211	AA	GG	1940315670
SNP_P1_84103_45400233	NC_021163.1	Ca_kabuli_chr04	45400233	AA	CC	1940315672
SNP_P1_84104_45400244	NC_021163.1	Ca_kabuli_chr04	45400244	GG	AA	1940315673
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SNP_P1_84116_45405468	NC_021163.1	Ca_kabuli_chr04	45405468	TT	CC	1940315688
SNP_P1_84117_45406042	NC_021163.1	Ca_kabuli_chr04	45406042	GG	TT	1940315690
SNP_P1_84118_45406046	NC_021163.1	Ca_kabuli_chr04	45406046	CC	TT	1940315692
SNP_P1_84119_45406076	NC_021163.1	Ca_kabuli_chr04	45406076	AA	GG	1940315693
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SNP_P1_84121_45406111	NC_021163.1	Ca_kabuli_chr04	45406111	GG	AA	1940315697
SNP_P1_84122_45406938	NC_021163.1	Ca_kabuli_chr04	45406938	CC	TT	1940315699
SNP_P1_84123_45408070	NC_021163.1	Ca_kabuli_chr04	45408070	GG	TT	1940315700
SNP_P1_84124_45408084	NC_021163.1	Ca_kabuli_chr04	45408084	TT	CC	1940315702
SNP_P1_84125_45408097	NC_021163.1	Ca_kabuli_chr04	45408097	AA	TT	1940315704
SNP_P1_84126_45408098	NC_021163.1	Ca_kabuli_chr04	45408098	CC	AA	1940315706
SNP_P1_84127_45408412	NC_021163.1	Ca_kabuli_chr04	45408412	CC	TT	1940315708
SNP_P1_84128_45408781	NC_021163.1	Ca_kabuli_chr04	45408781	AA	GG	1940315709
SNP_P1_84129_45408857	NC_021163.1	Ca_kabuli_chr04	45408857	AA	GG	1940315711
SNP_P1_84130_45408890	NC_021163.1	Ca_kabuli_chr04	45408890	GG	TT	1940315713
SNP_P1_84131_45408942	NC_021163.1	Ca_kabuli_chr04	45408942	AA	TT	1940315714
SNP_P1_84132_45409125	NC_021163.1	Ca_kabuli_chr04	45409125	CC	AA	1940315716
SNP_P1_84133_45409157	NC_021163.1	Ca_kabuli_chr04	45409157	GG	AA	1940315718
SNP_P1_84134_45409162	NC_021163.1	Ca_kabuli_chr04	45409162	CC	AA	1940315720
SNP_P1_84135_45409176	NC_021163.1	Ca_kabuli_chr04	45409176	AA	CC	1940315721
SNP_P1_84136_45409183	NC_021163.1	Ca_kabuli_chr04	45409183	AA	TT	1940315723
SNP_P1_84137_45409221	NC_021163.1	Ca_kabuli_chr04	45409221	GG	AA	1940315725
SNP_P1_84138_45409228	NC_021163.1	Ca_kabuli_chr04	45409228	CC	TT	1940315727
SNP_P1_84139_45409230	NC_021163.1	Ca_kabuli_chr04	45409230	AA	GG	1940315728
SNP_P1_84140_45409239	NC_021163.1	Ca_kabuli_chr04	45409239	AA	GG	1940315730
SNP_P1_84141_45411068	NC_021163.1	Ca_kabuli_chr04	45411068	AA	GG	1940315732
SNP_P1_84142_45411412	NC_021163.1	Ca_kabuli_chr04	45411412	TT	CC	1940315734
SNP_P1_84143_45411454	NC_021163.1	Ca_kabuli_chr04	45411454	GG	AA	1940315735

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84145_45411806	NC_021163.1	Ca_kabuli_chr04	45411806	AA	TT	1940315739
SNP_P1_84146_45411815	NC_021163.1	Ca_kabuli_chr04	45411815	TT	CC	1940315741
SNP_P1_84147_45412090	NC_021163.1	Ca_kabuli_chr04	45412090	GG	AA	1940315742
SNP_P1_84148_45413513	NC_021163.1	Ca_kabuli_chr04	45413513	GG	AA	1940315744
SNP_P1_84149_45413915	NC_021163.1	Ca_kabuli_chr04	45413915	CC	GG	1940315746
SNP_P1_84151_45414323	NC_021163.1	Ca_kabuli_chr04	45414323	AA	TT	1940315748
SNP_P1_84152_45414357	NC_021163.1	Ca_kabuli_chr04	45414357	CC	AA	1940315749
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SNP_P1_84154_45414429	NC_021163.1	Ca_kabuli_chr04	45414429	TT	CC	1940315753
SNP_P1_84155_45414452	NC_021163.1	Ca_kabuli_chr04	45414452	AA	CC	1940315755
SNP_P1_84156_45414472	NC_021163.1	Ca_kabuli_chr04	45414472	CC	TT	1940315757
SNP_P1_84157_45414580	NC_021163.1	Ca_kabuli_chr04	45414580	AA	TT	1940315758
SNP_P1_84162_45415433	NC_021163.1	Ca_kabuli_chr04	45415433	CC	AA	1940315760
SNP_P1_84163_45415442	NC_021163.1	Ca_kabuli_chr04	45415442	CC	GG	1940315762
SNP_P1_84165_45417182	NC_021163.1	Ca_kabuli_chr04	45417182	CC	GG	1940315764
SNP_P1_84166_45417741	NC_021163.1	Ca_kabuli_chr04	45417741	TT	AA	1940315765
SNP_P1_84167_45417749	NC_021163.1	Ca_kabuli_chr04	45417749	GG	TT	1940315767
SNP_P1_84168_45417757	NC_021163.1	Ca_kabuli_chr04	45417757	TT	CC	1940315769
SNP_P1_84169_45418058	NC_021163.1	Ca_kabuli_chr04	45418058	GG	AA	1940315771
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SNP_P1_84173_45418155	NC_021163.1	Ca_kabuli_chr04	45418155	CC	TT	1940315778
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SNP_P1_84179_45418373	NC_021163.1	Ca_kabuli_chr04	45418373	AA	GG	1940315786
SNP_P1_84180_45418405	NC_021163.1	Ca_kabuli_chr04	45418405	GG	CC	1940315788
SNP_P1_84181_45420566	NC_021163.1	Ca_kabuli_chr04	45420566	AA	GG	1940315790
SNP_P1_84182_45420954	NC_021163.1	Ca_kabuli_chr04	45420954	GG	CC	1940315792
SNP_P1_84183_45421430	NC_021163.1	Ca_kabuli_chr04	45421430	GG	TT	1940315793
SNP_P1_84184_45421488	NC_021163.1	Ca_kabuli_chr04	45421488	AA	GG	1940315795
SNP_P1_84185_45422449	NC_021163.1	Ca_kabuli_chr04	45422449	CC	TT	1940315797
SNP_P1_84186_45422682	NC_021163.1	Ca_kabuli_chr04	45422682	GG	AA	1940315799
SNP_P1_84187_45423166	NC_021163.1	Ca_kabuli_chr04	45423166	GG	AA	1940315800
SNP_P1_84188_45423168	NC_021163.1	Ca_kabuli_chr04	45423168	AA	GG	1940315802
SNP_P1_84189_45423220	NC_021163.1	Ca_kabuli_chr04	45423220	AA	GG	1940315804
SNP_P1_84190_45423355	NC_021163.1	Ca_kabuli_chr04	45423355	TT	CC	1940315806
SNP_P1_84191_45423394	NC_021163.1	Ca_kabuli_chr04	45423394	TT	GG	1940315807
SNP_P1_84192_45423402	NC_021163.1	Ca_kabuli_chr04	45423402	AA	GG	1940315809

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84195_45431290	NC_021163.1	Ca_kabuli_chr04	45431290	CC	TT	1940315814
SNP_P1_84198_45432131	NC_021163.1	Ca_kabuli_chr04	45432131	GG	AA	1940315816
SNP_P1_84199_45432141	NC_021163.1	Ca_kabuli_chr04	45432141	AA	GG	1940315818
SNP_P1_84200_45433454	NC_021163.1	Ca_kabuli_chr04	45433454	CC	TT	1940315819
SNP_P1_84201_45433844	NC_021163.1	Ca_kabuli_chr04	45433844	TT	AA	1940315821
SNP_P1_84202_45434009	NC_021163.1	Ca_kabuli_chr04	45434009	AA	CC	1940315823
SNP_P1_84203_45434010	NC_021163.1	Ca_kabuli_chr04	45434010	GG	AA	1940315824
SNP_P1_84204_45436269	NC_021163.1	Ca_kabuli_chr04	45436269	TT	AA	1940315826
SNP_P1_84208_45437588	NC_021163.1	Ca_kabuli_chr04	45437588	AA	TT	1940315828
SNP_P1_84209_45437602	NC_021163.1	Ca_kabuli_chr04	45437602	GG	AA	1940315830
SNP_P1_84211_45437887	NC_021163.1	Ca_kabuli_chr04	45437887	GG	AA	1940315831
SNP_P1_84212_45437909	NC_021163.1	Ca_kabuli_chr04	45437909	CC	TT	1940315833
SNP_P1_84213_45437917	NC_021163.1	Ca_kabuli_chr04	45437917	AA	GG	1940315835
SNP_P1_84214_45437924	NC_021163.1	Ca_kabuli_chr04	45437924	TT	GG	1940315836
SNP_P1_84215_45437970	NC_021163.1	Ca_kabuli_chr04	45437970	GG	AA	1940315838
SNP_P1_84216_45438289	NC_021163.1	Ca_kabuli_chr04	45438289	AA	GG	1940315840
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SNP_P1_84221_45439677	NC_021163.1	Ca_kabuli_chr04	45439677	TT	CC	1940315849
SNP_P1_84222_45439701	NC_021163.1	Ca_kabuli_chr04	45439701	GG	AA	1940315850
SNP_P1_84223_45439709	NC_021163.1	Ca_kabuli_chr04	45439709	TT	GG	1940315852
SNP_P1_84224_45439942	NC_021163.1	Ca_kabuli_chr04	45439942	TT	CC	1940315854
SNP_P1_84225_45439971	NC_021163.1	Ca_kabuli_chr04	45439971	GG	AA	1940315855
SNP_P1_84226_45439973	NC_021163.1	Ca_kabuli_chr04	45439973	GG	AA	1940315857
SNP_P1_84227_45440023	NC_021163.1	Ca_kabuli_chr04	45440023	GG	AA	1940315859
SNP_P1_84228_45440353	NC_021163.1	Ca_kabuli_chr04	45440353	CC	TT	1940315860
SNP_P1_84230_45440742	NC_021163.1	Ca_kabuli_chr04	45440742	TT	GG	1940315862
SNP_P1_84231_45440805	NC_021163.1	Ca_kabuli_chr04	45440805	TT	GG	1940315864
SNP_P1_84232_45442224	NC_021163.1	Ca_kabuli_chr04	45442224	AA	GG	1940315866
SNP_P1_84233_45445418	NC_021163.1	Ca_kabuli_chr04	45445418	GG	TT	1940315867
SNP_P1_84234_45447318	NC_021163.1	Ca_kabuli_chr04	45447318	TT	CC	1940315869
SNP_P1_84235_45453628	NC_021163.1	Ca_kabuli_chr04	45453628	AA	TT	1940315871
SNP_P1_84236_45471679	NC_021163.1	Ca_kabuli_chr04	45471679	GG	AA	1940315872
SNP_P1_84237_45471964	NC_021163.1	Ca_kabuli_chr04	45471964	GG	AA	1940315874
SNP_P1_84238_45472183	NC_021163.1	Ca_kabuli_chr04	45472183	AA	GG	1940315875
SNP_P1_84239_45472225	NC_021163.1	Ca_kabuli_chr04	45472225	CC	TT	1940315877
SNP_P1_84240_45472250	NC_021163.1	Ca_kabuli_chr04	45472250	GG	AA	1940315879
SNP_P1_84241_45477982	NC_021163.1	Ca_kabuli_chr04	45477982	AA	GG	1940315881

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84244_45496198	NC_021163.1	Ca_kabuli_chr04	45496198	GG	AA	1940315886
SNP_P1_84246_45506347	NC_021163.1	Ca_kabuli_chr04	45506347	TT	CC	1940315887
SNP_P1_84248_45582951	NC_021163.1	Ca_kabuli_chr04	45582951	AA	GG	1940315889
SNP_P1_84249_45584639	NC_021163.1	Ca_kabuli_chr04	45584639	AA	TT	1940315891
SNP_P1_84250_45589759	NC_021163.1	Ca_kabuli_chr04	45589759	GG	AA	1940315892
SNP_P1_84251_45589880	NC_021163.1	Ca_kabuli_chr04	45589880	TT	CC	1940315894
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SNP_P1_84254_45607620	NC_021163.1	Ca_kabuli_chr04	45607620	CC	TT	1940315897
SNP_P1_84255_45622320	NC_021163.1	Ca_kabuli_chr04	45622320	TT	GG	1940315899
SNP_P1_84257_45645663	NC_021163.1	Ca_kabuli_chr04	45645663	GG	AA	1940315900
SNP_P1_84258_45645926	NC_021163.1	Ca_kabuli_chr04	45645926	AA	CC	1940315902
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SNP_P1_84261_45646089	NC_021163.1	Ca_kabuli_chr04	45646089	CC	AA	1940315905
SNP_P1_84262_45668626	NC_021163.1	Ca_kabuli_chr04	45668626	CC	GG	1940315907
SNP_P1_84264_45698421	NC_021163.1	Ca_kabuli_chr04	45698421	TT	AA	1940315909
SNP_P1_84265_45698427	NC_021163.1	Ca_kabuli_chr04	45698427	TT	AA	1940315910
SNP_P1_84266_45698429	NC_021163.1	Ca_kabuli_chr04	45698429	AA	TT	1940315912
SNP_P1_84267_45698431	NC_021163.1	Ca_kabuli_chr04	45698431	AA	CC	1940315914
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SNP_P1_84270_45720139	NC_021163.1	Ca_kabuli_chr04	45720139	AA	GG	1940315919
SNP_P1_84272_45731534	NC_021163.1	Ca_kabuli_chr04	45731534	TT	CC	1940315920
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SNP_P1_84276_45753033	NC_021163.1	Ca_kabuli_chr04	45753033	AA	TT	1940315927
SNP_P1_84277_45756241	NC_021163.1	Ca_kabuli_chr04	45756241	AA	GG	1940315929
SNP_P1_84278_45756408	NC_021163.1	Ca_kabuli_chr04	45756408	GG	TT	1940315931
SNP_P1_84279_45756433	NC_021163.1	Ca_kabuli_chr04	45756433	TT	CC	1940315932
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SNP_P1_84281_45756512	NC_021163.1	Ca_kabuli_chr04	45756512	AA	GG	1940315935
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SNP_P1_84283_45756594	NC_021163.1	Ca_kabuli_chr04	45756594	GG	AA	1940315939
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SNP_P1_84287_45767751	NC_021163.1	Ca_kabuli_chr04	45767751	CC	TT	1940315945
SNP_P1_84288_45771282	NC_021163.1	Ca_kabuli_chr04	45771282	CC	AA	1940315947
SNP_P1_84289_45807485	NC_021163.1	Ca_kabuli_chr04	45807485	AA	GG	1940315949
SNP_P1_84290_45826278	NC_021163.1	Ca_kabuli_chr04	45826278	TT	CC	1940315951

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84294_45903330	NC_021163.1	Ca_kabuli_chr04	45903330	TT	CC	1940315956
SNP_P1_84295_45915877	NC_021163.1	Ca_kabuli_chr04	45915877	CC	TT	1940315957
SNP_P1_84297_45922929	NC_021163.1	Ca_kabuli_chr04	45922929	AA	GG	1940315959
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SNP_P1_84302_45993158	NC_021163.1	Ca_kabuli_chr04	45993158	GG	AA	1940315964
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SNP_P1_84304_45993661	NC_021163.1	Ca_kabuli_chr04	45993661	AA	TT	1940315967
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SNP_P1_84313_46005949	NC_021163.1	Ca_kabuli_chr04	46005949	AA	GG	1940315977
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SNP_P1_84316_46015823	NC_021163.1	Ca_kabuli_chr04	46015823	AA	TT	1940315981
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SNP_P1_84328_46113290	NC_021163.1	Ca_kabuli_chr04	46113290	GG	AA	1940315997
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SNP_P1_84336_46226581	NC_021163.1	Ca_kabuli_chr04	46226581	TT	CC	1940316007
SNP_P1_84341_46321989	NC_021163.1	Ca_kabuli_chr04	46321989	AA	GG	1940316009
SNP_P1_84342_46322024	NC_021163.1	Ca_kabuli_chr04	46322024	AA	GG	1940316011
SNP_P1_84343_46322268	NC_021163.1	Ca_kabuli_chr04	46322268	AA	GG	1940316012
SNP_P1_84344_46322341	NC_021163.1	Ca_kabuli_chr04	46322341	GG	AA	1940316014
SNP_P1_84345_46322553	NC_021163.1	Ca_kabuli_chr04	46322553	GG	TT	1940316016
SNP_P1_84346_46322560	NC_021163.1	Ca_kabuli_chr04	46322560	AA	GG	1940316017
SNP_P1_84347_46332583	NC_021163.1	Ca_kabuli_chr04	46332583	CC	TT	1940316019
SNP_P1_84348_46338501	NC_021163.1	Ca_kabuli_chr04	46338501	TT	AA	1940316021

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84350_46338506	NC_021163.1	Ca_kabuli_chr04	46338506	CC	TT	1940316024
SNP_P1_84352_46376377	NC_021163.1	Ca_kabuli_chr04	46376377	TT	CC	1940316026
SNP_P1_84353_46377539	NC_021163.1	Ca_kabuli_chr04	46377539	AA	TT	1940316028
SNP_P1_84355_46385755	NC_021163.1	Ca_kabuli_chr04	46385755	GG	AA	1940316029
SNP_P1_84356_46385774	NC_021163.1	Ca_kabuli_chr04	46385774	GG	AA	1940316031
SNP_P1_84357_46385863	NC_021163.1	Ca_kabuli_chr04	46385863	AA	GG	1940316033
SNP_P1_84358_46385956	NC_021163.1	Ca_kabuli_chr04	46385956	CC	AA	1940316035
SNP_P1_84359_46386098	NC_021163.1	Ca_kabuli_chr04	46386098	CC	TT	1940316037
SNP_P1_84360_46386119	NC_021163.1	Ca_kabuli_chr04	46386119	CC	TT	1940316038
SNP_P1_84362_46387920	NC_021163.1	Ca_kabuli_chr04	46387920	TT	CC	1940316040
SNP_P1_84363_46387930	NC_021163.1	Ca_kabuli_chr04	46387930	TT	CC	1940316042
SNP_P1_84364_46388170	NC_021163.1	Ca_kabuli_chr04	46388170	GG	TT	1940316044
SNP_P1_84365_46388546	NC_021163.1	Ca_kabuli_chr04	46388546	CC	TT	1940316045
SNP_P1_84366_46471787	NC_021163.1	Ca_kabuli_chr04	46471787	AA	GG	1940316047
SNP_P1_84367_46486640	NC_021163.1	Ca_kabuli_chr04	46486640	AA	TT	1940316049
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SNP_P1_84369_46492982	NC_021163.1	Ca_kabuli_chr04	46492982	TT	CC	1940316052
SNP_P1_84370_46495131	NC_021163.1	Ca_kabuli_chr04	46495131	AA	CC	1940316054
SNP_P1_84371_46495154	NC_021163.1	Ca_kabuli_chr04	46495154	TT	CC	1940316056
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SNP_P1_84373_46495311	NC_021163.1	Ca_kabuli_chr04	46495311	TT	AA	1940316059
SNP_P1_84374_46495398	NC_021163.1	Ca_kabuli_chr04	46495398	AA	GG	1940316061
SNP_P1_84375_46495580	NC_021163.1	Ca_kabuli_chr04	46495580	AA	GG	1940316063
SNP_P1_84376_46495585	NC_021163.1	Ca_kabuli_chr04	46495585	GG	AA	1940316065
SNP_P1_84379_46501447	NC_021163.1	Ca_kabuli_chr04	46501447	AA	CC	1940316066
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SNP_P1_84384_46557122	NC_021163.1	Ca_kabuli_chr04	46557122	AA	GG	1940316070
SNP_P1_84386_46579162	NC_021163.1	Ca_kabuli_chr04	46579162	GG	CC	1940316071
SNP_P1_84387_46579234	NC_021163.1	Ca_kabuli_chr04	46579234	TT	GG	1940316073
SNP_P1_84388_46579249	NC_021163.1	Ca_kabuli_chr04	46579249	GG	TT	1940316075
SNP_P1_84390_46581376	NC_021163.1	Ca_kabuli_chr04	46581376	CC	AA	1940316076
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SNP_P1_84393_46605275	NC_021163.1	Ca_kabuli_chr04	46605275	TT	AA	1940316080
SNP_P1_84394_46638287	NC_021163.1	Ca_kabuli_chr04	46638287	TT	CC	1940316082
SNP_P1_84395_46641591	NC_021163.1	Ca_kabuli_chr04	46641591	TT	CC	1940316083
SNP_P1_84396_46657858	NC_021163.1	Ca_kabuli_chr04	46657858	TT	AA	1940316085
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SNP_P1_84399_46702604	NC_021163.1	Ca_kabuli_chr04	46702604	TT	AA	1940316088
SNP_P1_84400_46769889	NC_021163.1	Ca_kabuli_chr04	46769889	TT	CC	1940316090
SNP_P1_84401_47182373	NC_021163.1	Ca_kabuli_chr04	47182373	TT	GG	1940316092
SNP_P1_84404_47200264	NC_021163.1	Ca_kabuli_chr04	47200264	TT	AA	1940316094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84407_47238655	NC_021163.1	Ca_kabuli_chr04	47238655	GG	TT	1940316099
SNP_P1_84409_47239067	NC_021163.1	Ca_kabuli_chr04	47239067	CC	TT	1940316101
SNP_P1_84410_47239068	NC_021163.1	Ca_kabuli_chr04	47239068	CC	TT	1940316102
SNP_P1_84411_47239219	NC_021163.1	Ca_kabuli_chr04	47239219	CC	TT	1940316104
SNP_P1_84412_47239282	NC_021163.1	Ca_kabuli_chr04	47239282	TT	CC	1940316106
SNP_P1_84413_47239350	NC_021163.1	Ca_kabuli_chr04	47239350	CC	TT	1940316108
SNP_P1_84414_47239356	NC_021163.1	Ca_kabuli_chr04	47239356	GG	AA	1940316109
SNP_P1_84415_47239417	NC_021163.1	Ca_kabuli_chr04	47239417	CC	TT	1940316111
SNP_P1_84416_47239422	NC_021163.1	Ca_kabuli_chr04	47239422	TT	CC	1940316113
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SNP_P1_84419_47241471	NC_021163.1	Ca_kabuli_chr04	47241471	CC	TT	1940316116
SNP_P1_84420_47241914	NC_021163.1	Ca_kabuli_chr04	47241914	TT	GG	1940316118
SNP_P1_84421_47243081	NC_021163.1	Ca_kabuli_chr04	47243081	TT	GG	1940316120
SNP_P1_84422_47243132	NC_021163.1	Ca_kabuli_chr04	47243132	CC	TT	1940316122
SNP_P1_84424_47245906	NC_021163.1	Ca_kabuli_chr04	47245906	AA	GG	1940316123
SNP_P1_84425_47246683	NC_021163.1	Ca_kabuli_chr04	47246683	CC	TT	1940316125
SNP_P1_84426_47246719	NC_021163.1	Ca_kabuli_chr04	47246719	CC	TT	1940316127
SNP_P1_84428_47247229	NC_021163.1	Ca_kabuli_chr04	47247229	CC	AA	1940316129
SNP_P1_84429_47247264	NC_021163.1	Ca_kabuli_chr04	47247264	CC	TT	1940316130
SNP_P1_84431_47247327	NC_021163.1	Ca_kabuli_chr04	47247327	TT	AA	1940316132
SNP_P1_84432_47248402	NC_021163.1	Ca_kabuli_chr04	47248402	AA	CC	1940316134
SNP_P1_84433_47248621	NC_021163.1	Ca_kabuli_chr04	47248621	CC	TT	1940316136
SNP_P1_84435_47249943	NC_021163.1	Ca_kabuli_chr04	47249943	CC	TT	1940316137
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SNP_P1_84438_47250033	NC_021163.1	Ca_kabuli_chr04	47250033	GG	AA	1940316142
SNP_P1_84439_47250057	NC_021163.1	Ca_kabuli_chr04	47250057	CC	TT	1940316144
SNP_P1_84440_47250058	NC_021163.1	Ca_kabuli_chr04	47250058	TT	CC	1940316146
SNP_P1_84441_47250059	NC_021163.1	Ca_kabuli_chr04	47250059	CC	AA	1940316148
SNP_P1_84442_47250101	NC_021163.1	Ca_kabuli_chr04	47250101	TT	AA	1940316149
SNP_P1_84443_47250136	NC_021163.1	Ca_kabuli_chr04	47250136	TT	CC	1940316151
SNP_P1_84444_47250315	NC_021163.1	Ca_kabuli_chr04	47250315	CC	GG	1940316153
SNP_P1_84445_47250341	NC_021163.1	Ca_kabuli_chr04	47250341	GG	AA	1940316154
SNP_P1_84447_47250506	NC_021163.1	Ca_kabuli_chr04	47250506	AA	TT	1940316156
SNP_P1_84448_47254556	NC_021163.1	Ca_kabuli_chr04	47254556	TT	CC	1940316158
SNP_P1_84449_47254574	NC_021163.1	Ca_kabuli_chr04	47254574	AA	CC	1940316160
SNP_P1_84450_47255217	NC_021163.1	Ca_kabuli_chr04	47255217	GG	AA	1940316161
SNP_P1_84451_47255478	NC_021163.1	Ca_kabuli_chr04	47255478	AA	GG	1940316163
SNP_P1_84452_47255635	NC_021163.1	Ca_kabuli_chr04	47255635	AA	GG	1940316165
SNP_P1_84453_47255710	NC_021163.1	Ca_kabuli_chr04	47255710	AA	GG	1940316167

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84455_47255769	NC_021163.1	Ca_kabuli_chr04	47255769	CC	TT	1940316170
SNP_P1_84456_47255846	NC_021163.1	Ca_kabuli_chr04	47255846	CC	TT	1940316172
SNP_P1_84457_47255847	NC_021163.1	Ca_kabuli_chr04	47255847	AA	TT	1940316173
SNP_P1_84458_47256588	NC_021163.1	Ca_kabuli_chr04	47256588	AA	GG	1940316175
SNP_P1_84459_47262682	NC_021163.1	Ca_kabuli_chr04	47262682	TT	CC	1940316177
SNP_P1_84460_47262683	NC_021163.1	Ca_kabuli_chr04	47262683	GG	AA	1940316178
SNP_P1_84461_47289009	NC_021163.1	Ca_kabuli_chr04	47289009	CC	TT	1940316180
SNP_P1_84462_47289094	NC_021163.1	Ca_kabuli_chr04	47289094	CC	TT	1940316182
SNP_P1_84464_47316398	NC_021163.1	Ca_kabuli_chr04	47316398	CC	AA	1940316183
SNP_P1_84465_47353324	NC_021163.1	Ca_kabuli_chr04	47353324	CC	TT	1940316185
SNP_P1_84466_47363089	NC_021163.1	Ca_kabuli_chr04	47363089	AA	GG	1940316187
SNP_P1_84467_47385806	NC_021163.1	Ca_kabuli_chr04	47385806	CC	AA	1940316188
SNP_P1_84468_47397647	NC_021163.1	Ca_kabuli_chr04	47397647	GG	TT	1940316190
SNP_P1_84469_47410226	NC_021163.1	Ca_kabuli_chr04	47410226	CC	TT	1940316192
SNP_P1_84471_47437581	NC_021163.1	Ca_kabuli_chr04	47437581	GG	CC	1940316193
SNP_P1_84475_47442710	NC_021163.1	Ca_kabuli_chr04	47442710	TT	AA	1940316195
SNP_P1_84476_47442712	NC_021163.1	Ca_kabuli_chr04	47442712	TT	AA	1940316197
SNP_P1_84477_47449860	NC_021163.1	Ca_kabuli_chr04	47449860	AA	TT	1940316198
SNP_P1_84478_47454488	NC_021163.1	Ca_kabuli_chr04	47454488	CC	TT	1940316200
SNP_P1_84480_47471217	NC_021163.1	Ca_kabuli_chr04	47471217	CC	TT	1940316202
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SNP_P1_84484_47515214	NC_021163.1	Ca_kabuli_chr04	47515214	AA	TT	1940316209
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SNP_P1_84488_47530905	NC_021163.1	Ca_kabuli_chr04	47530905	AA	GG	1940316215
SNP_P1_84490_47542220	NC_021163.1	Ca_kabuli_chr04	47542220	AA	CC	1940316217
SNP_P1_84491_47552320	NC_021163.1	Ca_kabuli_chr04	47552320	TT	CC	1940316219
SNP_P1_84492_47552332	NC_021163.1	Ca_kabuli_chr04	47552332	GG	TT	1940316220
SNP_P1_84494_47568782	NC_021163.1	Ca_kabuli_chr04	47568782	GG	TT	1940316222
SNP_P1_84495_47573766	NC_021163.1	Ca_kabuli_chr04	47573766	AA	TT	1940316224
SNP_P1_84496_47596811	NC_021163.1	Ca_kabuli_chr04	47596811	GG	AA	1940316225
SNP_P1_84498_47615902	NC_021163.1	Ca_kabuli_chr04	47615902	GG	AA	1940316227
SNP_P1_84499_47618152	NC_021163.1	Ca_kabuli_chr04	47618152	GG	AA	1940316229
SNP_P1_84500_47624811	NC_021163.1	Ca_kabuli_chr04	47624811	AA	CC	1940316230
SNP_P1_84501_47625138	NC_021163.1	Ca_kabuli_chr04	47625138	TT	AA	1940316232
SNP_P1_84502_47629144	NC_021163.1	Ca_kabuli_chr04	47629144	GG	AA	1940316234
SNP_P1_84503_47634440	NC_021163.1	Ca_kabuli_chr04	47634440	TT	AA	1940316235
SNP_P1_84504_47646038	NC_021163.1	Ca_kabuli_chr04	47646038	AA	TT	1940316237

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84508_47672832	NC_021163.1	Ca_kabuli_chr04	47672832	GG	AA	1940316242
SNP_P1_84509_47674400	NC_021163.1	Ca_kabuli_chr04	47674400	CC	TT	1940316244
SNP_P1_84510_47674690	NC_021163.1	Ca_kabuli_chr04	47674690	TT	CC	1940316245
SNP_P1_84512_47685967	NC_021163.1	Ca_kabuli_chr04	47685967	TT	AA	1940316247
SNP_P1_84513_47685968	NC_021163.1	Ca_kabuli_chr04	47685968	GG	TT	1940316249
SNP_P1_84514_47686043	NC_021163.1	Ca_kabuli_chr04	47686043	GG	AA	1940316250
SNP_P1_84515_47686118	NC_021163.1	Ca_kabuli_chr04	47686118	AA	GG	1940316252
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SNP_P1_84517_47686187	NC_021163.1	Ca_kabuli_chr04	47686187	AA	CC	1940316255
SNP_P1_84518_47699879	NC_021163.1	Ca_kabuli_chr04	47699879	GG	TT	1940316257
SNP_P1_84519_47704370	NC_021163.1	Ca_kabuli_chr04	47704370	GG	AA	1940316259
SNP_P1_84521_47717973	NC_021163.1	Ca_kabuli_chr04	47717973	CC	TT	1940316260
SNP_P1_84523_47739521	NC_021163.1	Ca_kabuli_chr04	47739521	TT	CC	1940316262
SNP_P1_84524_47744137	NC_021163.1	Ca_kabuli_chr04	47744137	TT	CC	1940316264
SNP_P1_84526_47757559	NC_021163.1	Ca_kabuli_chr04	47757559	CC	TT	1940316265
SNP_P1_84527_47766724	NC_021163.1	Ca_kabuli_chr04	47766724	TT	AA	1940316267
SNP_P1_84529_47782297	NC_021163.1	Ca_kabuli_chr04	47782297	AA	GG	1940316269
SNP_P1_84530_47792416	NC_021163.1	Ca_kabuli_chr04	47792416	CC	TT	1940316270
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SNP_P1_84534_47875036	NC_021163.1	Ca_kabuli_chr04	47875036	AA	CC	1940316274
SNP_P1_84535_47875038	NC_021163.1	Ca_kabuli_chr04	47875038	GG	AA	1940316275
SNP_P1_84537_47908814	NC_021163.1	Ca_kabuli_chr04	47908814	GG	AA	1940316277
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SNP_P1_84540_47916217	NC_021163.1	Ca_kabuli_chr04	47916217	GG	AA	1940316282
SNP_P1_84541_47916249	NC_021163.1	Ca_kabuli_chr04	47916249	AA	CC	1940316284
SNP_P1_84542_47916419	NC_021163.1	Ca_kabuli_chr04	47916419	GG	AA	1940316285
SNP_P1_84543_47935139	NC_021163.1	Ca_kabuli_chr04	47935139	AA	GG	1940316287
SNP_P1_84544_47935151	NC_021163.1	Ca_kabuli_chr04	47935151	AA	CC	1940316289
SNP_P1_84546_47936761	NC_021163.1	Ca_kabuli_chr04	47936761	GG	AA	1940316291
SNP_P1_84547_47939870	NC_021163.1	Ca_kabuli_chr04	47939870	TT	CC	1940316292
SNP_P1_84548_47939876	NC_021163.1	Ca_kabuli_chr04	47939876	TT	AA	1940316294
SNP_P1_84549_47939930	NC_021163.1	Ca_kabuli_chr04	47939930	AA	GG	1940316296
SNP_P1_84550_47940155	NC_021163.1	Ca_kabuli_chr04	47940155	GG	AA	1940316297
SNP_P1_84552_47955346	NC_021163.1	Ca_kabuli_chr04	47955346	AA	TT	1940316299
SNP_P1_84553_47955555	NC_021163.1	Ca_kabuli_chr04	47955555	CC	TT	1940316301
SNP_P1_84554_47955573	NC_021163.1	Ca_kabuli_chr04	47955573	TT	GG	1940316302
SNP_P1_84555_47955884	NC_021163.1	Ca_kabuli_chr04	47955884	CC	GG	1940316304
SNP_P1_84556_47958880	NC_021163.1	Ca_kabuli_chr04	47958880	TT	GG	1940316306
SNP_P1_84557_47958940	NC_021163.1	Ca_kabuli_chr04	47958940	CC	AA	1940316307

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84559_47959199	NC_021163.1	Ca_kabuli_chr04	47959199	GG	TT	1940316311
SNP_P1_84560_47959260	NC_021163.1	Ca_kabuli_chr04	47959260	AA	GG	1940316312
SNP_P1_84561_47960862	NC_021163.1	Ca_kabuli_chr04	47960862	CC	GG	1940316314
SNP_P1_84562_47960882	NC_021163.1	Ca_kabuli_chr04	47960882	CC	TT	1940316316
SNP_P1_84563_47960958	NC_021163.1	Ca_kabuli_chr04	47960958	AA	TT	1940316317
SNP_P1_84564_47960966	NC_021163.1	Ca_kabuli_chr04	47960966	GG	AA	1940316319
SNP_P1_84565_47960972	NC_021163.1	Ca_kabuli_chr04	47960972	TT	CC	1940316321
SNP_P1_84566_47960974	NC_021163.1	Ca_kabuli_chr04	47960974	AA	TT	1940316322
SNP_P1_84567_47960991	NC_021163.1	Ca_kabuli_chr04	47960991	CC	TT	1940316324
SNP_P1_84568_47961018	NC_021163.1	Ca_kabuli_chr04	47961018	CC	AA	1940316326
SNP_P1_84570_47961212	NC_021163.1	Ca_kabuli_chr04	47961212	AA	TT	1940316328
SNP_P1_84571_47961358	NC_021163.1	Ca_kabuli_chr04	47961358	GG	TT	1940316329
SNP_P1_84573_47961535	NC_021163.1	Ca_kabuli_chr04	47961535	TT	CC	1940316331
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SNP_P1_84577_47961664	NC_021163.1	Ca_kabuli_chr04	47961664	CC	TT	1940316336
SNP_P1_84579_47961723	NC_021163.1	Ca_kabuli_chr04	47961723	CC	TT	1940316338
SNP_P1_84580_47961731	NC_021163.1	Ca_kabuli_chr04	47961731	TT	CC	1940316340
SNP_P1_84581_47961758	NC_021163.1	Ca_kabuli_chr04	47961758	CC	AA	1940316342
SNP_P1_84582_47961908	NC_021163.1	Ca_kabuli_chr04	47961908	TT	GG	1940316343
SNP_P1_84583_47961956	NC_021163.1	Ca_kabuli_chr04	47961956	AA	CC	1940316345
SNP_P1_84585_47962023	NC_021163.1	Ca_kabuli_chr04	47962023	GG	AA	1940316347
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SNP_P1_84589_47962778	NC_021163.1	Ca_kabuli_chr04	47962778	GG	AA	1940316354
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SNP_P1_84592_47963111	NC_021163.1	Ca_kabuli_chr04	47963111	GG	AA	1940316359
SNP_P1_84593_47966308	NC_021163.1	Ca_kabuli_chr04	47966308	TT	AA	1940316361
SNP_P1_84594_47966373	NC_021163.1	Ca_kabuli_chr04	47966373	CC	TT	1940316362
SNP_P1_84596_47966410	NC_021163.1	Ca_kabuli_chr04	47966410	GG	TT	1940316364
SNP_P1_84597_47966420	NC_021163.1	Ca_kabuli_chr04	47966420	GG	TT	1940316366
SNP_P1_84598_47966431	NC_021163.1	Ca_kabuli_chr04	47966431	TT	CC	1940316368
SNP_P1_84599_47966441	NC_021163.1	Ca_kabuli_chr04	47966441	TT	CC	1940316369
SNP_P1_84600_47966447	NC_021163.1	Ca_kabuli_chr04	47966447	GG	TT	1940316371
SNP_P1_84601_47966476	NC_021163.1	Ca_kabuli_chr04	47966476	AA	GG	1940316373
SNP_P1_84602_47966500	NC_021163.1	Ca_kabuli_chr04	47966500	GG	AA	1940316375
SNP_P1_84603_47966508	NC_021163.1	Ca_kabuli_chr04	47966508	CC	GG	1940316376
SNP_P1_84604_47967757	NC_021163.1	Ca_kabuli_chr04	47967757	AA	GG	1940316378
SNP_P1_84605_47967800	NC_021163.1	Ca_kabuli_chr04	47967800	AA	TT	1940316380

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84608_47967931	NC_021163.1	Ca_kabuli_chr04	47967931	TT	AA	1940316385
SNP_P1_84609_47974418	NC_021163.1	Ca_kabuli_chr04	47974418	GG	CC	1940316387
SNP_P1_84610_47980870	NC_021163.1	Ca_kabuli_chr04	47980870	GG	AA	1940316389
SNP_P1_84611_47981093	NC_021163.1	Ca_kabuli_chr04	47981093	AA	CC	1940316390
SNP_P1_84612_47981097	NC_021163.1	Ca_kabuli_chr04	47981097	AA	TT	1940316392
SNP_P1_84613_47981465	NC_021163.1	Ca_kabuli_chr04	47981465	CC	TT	1940316394
SNP_P1_84615_47981983	NC_021163.1	Ca_kabuli_chr04	47981983	AA	GG	1940316395
SNP_P1_84616_47982180	NC_021163.1	Ca_kabuli_chr04	47982180	CC	GG	1940316397
SNP_P1_84617_47982273	NC_021163.1	Ca_kabuli_chr04	47982273	CC	TT	1940316399
SNP_P1_84618_47982429	NC_021163.1	Ca_kabuli_chr04	47982429	TT	AA	1940316401
SNP_P1_84619_47982458	NC_021163.1	Ca_kabuli_chr04	47982458	CC	TT	1940316403
SNP_P1_84620_47982487	NC_021163.1	Ca_kabuli_chr04	47982487	GG	TT	1940316404
SNP_P1_84621_47982587	NC_021163.1	Ca_kabuli_chr04	47982587	TT	AA	1940316406
SNP_P1_84622_47982613	NC_021163.1	Ca_kabuli_chr04	47982613	TT	CC	1940316408
SNP_P1_84625_47982839	NC_021163.1	Ca_kabuli_chr04	47982839	CC	TT	1940316410
SNP_P1_84626_47983040	NC_021163.1	Ca_kabuli_chr04	47983040	AA	TT	1940316411
SNP_P1_84627_47983062	NC_021163.1	Ca_kabuli_chr04	47983062	TT	CC	1940316413
SNP_P1_84630_47988089	NC_021163.1	Ca_kabuli_chr04	47988089	GG	TT	1940316415
SNP_P1_84631_47988136	NC_021163.1	Ca_kabuli_chr04	47988136	CC	GG	1940316416
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SNP_P1_84633_47989668	NC_021163.1	Ca_kabuli_chr04	47989668	CC	AA	1940316420
SNP_P1_84634_47989747	NC_021163.1	Ca_kabuli_chr04	47989747	AA	CC	1940316422
SNP_P1_84637_47991209	NC_021163.1	Ca_kabuli_chr04	47991209	CC	GG	1940316423
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SNP_P1_84640_47991270	NC_021163.1	Ca_kabuli_chr04	47991270	GG	CC	1940316429
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SNP_P1_84642_47992883	NC_021163.1	Ca_kabuli_chr04	47992883	CC	TT	1940316432
SNP_P1_84643_47997421	NC_021163.1	Ca_kabuli_chr04	47997421	CC	GG	1940316434
SNP_P1_84644_48002080	NC_021163.1	Ca_kabuli_chr04	48002080	AA	TT	1940316436
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SNP_P1_84648_48024679	NC_021163.1	Ca_kabuli_chr04	48024679	AA	TT	1940316439
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SNP_P1_84650_48025773	NC_021163.1	Ca_kabuli_chr04	48025773	TT	AA	1940316443
SNP_P1_84651_48026899	NC_021163.1	Ca_kabuli_chr04	48026899	AA	TT	1940316444
SNP_P1_84652_48026901	NC_021163.1	Ca_kabuli_chr04	48026901	AA	CC	1940316446
SNP_P1_84653_48037366	NC_021163.1	Ca_kabuli_chr04	48037366	GG	AA	1940316448
SNP_P1_84654_48039402	NC_021163.1	Ca_kabuli_chr04	48039402	AA	GG	1940316450
SNP_P1_84655_48040572	NC_021163.1	Ca_kabuli_chr04	48040572	CC	TT	1940316451
SNP_P1_84656_48043108	NC_021163.1	Ca_kabuli_chr04	48043108	GG	AA	1940316453

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84661_48081055	NC_021163.1	Ca_kabuli_chr04	48081055	TT	GG	1940316458
SNP_P1_84662_48112961	NC_021163.1	Ca_kabuli_chr04	48112961	CC	TT	1940316460
SNP_P1_84663_48114167	NC_021163.1	Ca_kabuli_chr04	48114167	CC	TT	1940316462
SNP_P1_84666_48126170	NC_021163.1	Ca_kabuli_chr04	48126170	TT	AA	1940316464
SNP_P1_84667_48127825	NC_021163.1	Ca_kabuli_chr04	48127825	AA	GG	1940316465
SNP_P1_84668_48138236	NC_021163.1	Ca_kabuli_chr04	48138236	TT	CC	1940316467
SNP_P1_84669_48159558	NC_021163.1	Ca_kabuli_chr04	48159558	TT	AA	1940316469
SNP_P1_84670_48161718	NC_021163.1	Ca_kabuli_chr04	48161718	AA	TT	1940316470
SNP_P1_84671_48169481	NC_021163.1	Ca_kabuli_chr04	48169481	TT	CC	1940316472
SNP_P1_84672_48182857	NC_021163.1	Ca_kabuli_chr04	48182857	AA	GG	1940316474
SNP_P1_84674_48203009	NC_021163.1	Ca_kabuli_chr04	48203009	GG	AA	1940316475
SNP_P1_84675_48203157	NC_021163.1	Ca_kabuli_chr04	48203157	AA	GG	1940316477
SNP_P1_84677_48203995	NC_021163.1	Ca_kabuli_chr04	48203995	GG	TT	1940316479
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SNP_P1_84679_48204231	NC_021163.1	Ca_kabuli_chr04	48204231	TT	AA	1940316482
SNP_P1_84680_48204519	NC_021163.1	Ca_kabuli_chr04	48204519	TT	AA	1940316484
SNP_P1_84681_48204526	NC_021163.1	Ca_kabuli_chr04	48204526	AA	TT	1940316485
SNP_P1_84682_48204799	NC_021163.1	Ca_kabuli_chr04	48204799	CC	TT	1940316487
SNP_P1_84684_48205784	NC_021163.1	Ca_kabuli_chr04	48205784	GG	CC	1940316489
SNP_P1_84685_48205877	NC_021163.1	Ca_kabuli_chr04	48205877	TT	AA	1940316490
SNP_P1_84686_48205892	NC_021163.1	Ca_kabuli_chr04	48205892	GG	AA	1940316492
SNP_P1_84687_48205923	NC_021163.1	Ca_kabuli_chr04	48205923	CC	TT	1940316494
SNP_P1_84688_48205949	NC_021163.1	Ca_kabuli_chr04	48205949	TT	CC	1940316495
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SNP_P1_84690_48205966	NC_021163.1	Ca_kabuli_chr04	48205966	TT	GG	1940316499
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SNP_P1_84692_48206150	NC_021163.1	Ca_kabuli_chr04	48206150	CC	TT	1940316502
SNP_P1_84693_48206205	NC_021163.1	Ca_kabuli_chr04	48206205	CC	TT	1940316504
SNP_P1_84694_48206270	NC_021163.1	Ca_kabuli_chr04	48206270	GG	AA	1940316505
SNP_P1_84695_48206278	NC_021163.1	Ca_kabuli_chr04	48206278	AA	GG	1940316507
SNP_P1_84696_48206556	NC_021163.1	Ca_kabuli_chr04	48206556	CC	GG	1940316509
SNP_P1_84697_48206565	NC_021163.1	Ca_kabuli_chr04	48206565	GG	CC	1940316510
SNP_P1_84698_48206618	NC_021163.1	Ca_kabuli_chr04	48206618	CC	AA	1940316512
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SNP_P1_84700_48206746	NC_021163.1	Ca_kabuli_chr04	48206746	TT	CC	1940316515
SNP_P1_84702_48207010	NC_021163.1	Ca_kabuli_chr04	48207010	CC	TT	1940316517
SNP_P1_84703_48207102	NC_021163.1	Ca_kabuli_chr04	48207102	TT	CC	1940316519
SNP_P1_84704_48207370	NC_021163.1	Ca_kabuli_chr04	48207370	TT	GG	1940316520
SNP_P1_84705_48207413	NC_021163.1	Ca_kabuli_chr04	48207413	CC	TT	1940316522
SNP_P1_84707_48207597	NC_021163.1	Ca_kabuli_chr04	48207597	CC	TT	1940316524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84710_48209446	NC_021163.1	Ca_kabuli_chr04	48209446	CC	GG	1940316529
SNP_P1_84711_48209493	NC_021163.1	Ca_kabuli_chr04	48209493	CC	GG	1940316530
SNP_P1_84712_48211170	NC_021163.1	Ca_kabuli_chr04	48211170	AA	TT	1940316532
SNP_P1_84713_48212507	NC_021163.1	Ca_kabuli_chr04	48212507	CC	TT	1940316534
SNP_P1_84716_48214150	NC_021163.1	Ca_kabuli_chr04	48214150	AA	GG	1940316535
SNP_P1_84717_48214200	NC_021163.1	Ca_kabuli_chr04	48214200	TT	CC	1940316537
SNP_P1_84718_48214219	NC_021163.1	Ca_kabuli_chr04	48214219	GG	AA	1940316539
SNP_P1_84719_48214256	NC_021163.1	Ca_kabuli_chr04	48214256	GG	TT	1940316540
SNP_P1_84721_48214618	NC_021163.1	Ca_kabuli_chr04	48214618	TT	CC	1940316542
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SNP_P1_84724_48214750	NC_021163.1	Ca_kabuli_chr04	48214750	AA	TT	1940316547
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SNP_P1_84728_48216527	NC_021163.1	Ca_kabuli_chr04	48216527	GG	AA	1940316552
SNP_P1_84729_48216537	NC_021163.1	Ca_kabuli_chr04	48216537	TT	CC	1940316554
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SNP_P1_84735_48216702	NC_021163.1	Ca_kabuli_chr04	48216702	GG	AA	1940316562
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SNP_P1_84741_48216875	NC_021163.1	Ca_kabuli_chr04	48216875	AA	GG	1940316572
SNP_P1_84742_48216935	NC_021163.1	Ca_kabuli_chr04	48216935	AA	GG	1940316574
SNP_P1_84743_48216957	NC_021163.1	Ca_kabuli_chr04	48216957	AA	CC	1940316575
SNP_P1_84744_48216966	NC_021163.1	Ca_kabuli_chr04	48216966	AA	CC	1940316577
SNP_P1_84745_48217080	NC_021163.1	Ca_kabuli_chr04	48217080	TT	CC	1940316579
SNP_P1_84746_48217113	NC_021163.1	Ca_kabuli_chr04	48217113	AA	GG	1940316581
SNP_P1_84747_48217443	NC_021163.1	Ca_kabuli_chr04	48217443	GG	AA	1940316582
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SNP_P1_84752_48217916	NC_021163.1	Ca_kabuli_chr04	48217916	GG	AA	1940316591
SNP_P1_84753_48217918	NC_021163.1	Ca_kabuli_chr04	48217918	TT	CC	1940316592
SNP_P1_84754_48217922	NC_021163.1	Ca_kabuli_chr04	48217922	CC	TT	1940316594

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84761_48222641	NC_021163.1	Ca_kabuli_chr04	48222641	AA	GG	1940316601
SNP_P1_84762_48222881	NC_021163.1	Ca_kabuli_chr04	48222881	GG	AA	1940316602
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SNP_P1_84766_48223132	NC_021163.1	Ca_kabuli_chr04	48223132	CC	TT	1940316607
SNP_P1_84767_48223141	NC_021163.1	Ca_kabuli_chr04	48223141	TT	CC	1940316609
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SNP_P1_84769_48223191	NC_021163.1	Ca_kabuli_chr04	48223191	GG	AA	1940316613
SNP_P1_84770_48223208	NC_021163.1	Ca_kabuli_chr04	48223208	GG	AA	1940316614
SNP_P1_84771_48223330	NC_021163.1	Ca_kabuli_chr04	48223330	TT	CC	1940316616
SNP_P1_84772_48223362	NC_021163.1	Ca_kabuli_chr04	48223362	GG	AA	1940316618
SNP_P1_84773_48223370	NC_021163.1	Ca_kabuli_chr04	48223370	GG	AA	1940316620
SNP_P1_84774_48223378	NC_021163.1	Ca_kabuli_chr04	48223378	CC	TT	1940316621
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SNP_P1_84779_48224874	NC_021163.1	Ca_kabuli_chr04	48224874	TT	GG	1940316630
SNP_P1_84781_48227317	NC_021163.1	Ca_kabuli_chr04	48227317	GG	CC	1940316632
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SNP_P1_84790_48229206	NC_021163.1	Ca_kabuli_chr04	48229206	AA	GG	1940316645
SNP_P1_84791_48229229	NC_021163.1	Ca_kabuli_chr04	48229229	CC	AA	1940316647
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SNP_P1_84795_48229915	NC_021163.1	Ca_kabuli_chr04	48229915	TT	CC	1940316654
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SNP_P1_84797_48229926	NC_021163.1	Ca_kabuli_chr04	48229926	TT	CC	1940316657
SNP_P1_84798_48229937	NC_021163.1	Ca_kabuli_chr04	48229937	AA	GG	1940316659
SNP_P1_84799_48229962	NC_021163.1	Ca_kabuli_chr04	48229962	CC	TT	1940316661
SNP_P1_84800_48229984	NC_021163.1	Ca_kabuli_chr04	48229984	CC	TT	1940316663
SNP_P1_84801_48229987	NC_021163.1	Ca_kabuli_chr04	48229987	AA	GG	1940316664
SNP_P1_84802_48230258	NC_021163.1	Ca_kabuli_chr04	48230258	GG	CC	1940316666

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84806_48231660	NC_021163.1	Ca_kabuli_chr04	48231660	CC	AA	1940316671
SNP_P1_84807_48231748	NC_021163.1	Ca_kabuli_chr04	48231748	TT	CC	1940316673
SNP_P1_84808_48231948	NC_021163.1	Ca_kabuli_chr04	48231948	CC	TT	1940316675
SNP_P1_84809_48232281	NC_021163.1	Ca_kabuli_chr04	48232281	CC	GG	1940316677
SNP_P1_84810_48232305	NC_021163.1	Ca_kabuli_chr04	48232305	TT	CC	1940316678
SNP_P1_84811_48232326	NC_021163.1	Ca_kabuli_chr04	48232326	CC	TT	1940316680
SNP_P1_84812_48232328	NC_021163.1	Ca_kabuli_chr04	48232328	AA	GG	1940316682
SNP_P1_84813_48232553	NC_021163.1	Ca_kabuli_chr04	48232553	AA	GG	1940316683
SNP_P1_84814_48232731	NC_021163.1	Ca_kabuli_chr04	48232731	GG	TT	1940316685
SNP_P1_84815_48232748	NC_021163.1	Ca_kabuli_chr04	48232748	CC	AA	1940316687
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SNP_P1_84820_48235451	NC_021163.1	Ca_kabuli_chr04	48235451	GG	AA	1940316694
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SNP_P1_84824_48236026	NC_021163.1	Ca_kabuli_chr04	48236026	TT	CC	1940316701
SNP_P1_84825_48239201	NC_021163.1	Ca_kabuli_chr04	48239201	AA	GG	1940316702
SNP_P1_84826_48239574	NC_021163.1	Ca_kabuli_chr04	48239574	CC	GG	1940316704
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SNP_P1_84841_48244305	NC_021163.1	Ca_kabuli_chr04	48244305	GG	AA	1940316728
SNP_P1_84842_48244495	NC_021163.1	Ca_kabuli_chr04	48244495	GG	CC	1940316730
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SNP_P1_84844_48246246	NC_021163.1	Ca_kabuli_chr04	48246246	TT	AA	1940316733
SNP_P1_84845_48246247	NC_021163.1	Ca_kabuli_chr04	48246247	AA	GG	1940316735
SNP_P1_84846_48246248	NC_021163.1	Ca_kabuli_chr04	48246248	GG	TT	1940316737
SNP_P1_84847_48246467	NC_021163.1	Ca_kabuli_chr04	48246467	TT	GG	1940316739

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84851_48248971	NC_021163.1	Ca_kabuli_chr04	48248971	GG	AA	1940316744
SNP_P1_84852_48251280	NC_021163.1	Ca_kabuli_chr04	48251280	GG	AA	1940316745
SNP_P1_84853_48251530	NC_021163.1	Ca_kabuli_chr04	48251530	CC	TT	1940316747
SNP_P1_84854_48251688	NC_021163.1	Ca_kabuli_chr04	48251688	TT	CC	1940316749
SNP_P1_84855_48251726	NC_021163.1	Ca_kabuli_chr04	48251726	AA	CC	1940316751
SNP_P1_84856_48251763	NC_021163.1	Ca_kabuli_chr04	48251763	GG	AA	1940316752
SNP_P1_84857_48252337	NC_021163.1	Ca_kabuli_chr04	48252337	CC	AA	1940316754
SNP_P1_84858_48253037	NC_021163.1	Ca_kabuli_chr04	48253037	TT	GG	1940316756
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SNP_P1_84860_48253823	NC_021163.1	Ca_kabuli_chr04	48253823	AA	GG	1940316759
SNP_P1_84861_48253826	NC_021163.1	Ca_kabuli_chr04	48253826	AA	TT	1940316761
SNP_P1_84862_48253934	NC_021163.1	Ca_kabuli_chr04	48253934	AA	TT	1940316762
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SNP_P1_84870_48260224	NC_021163.1	Ca_kabuli_chr04	48260224	AA	CC	1940316774
SNP_P1_84873_48261439	NC_021163.1	Ca_kabuli_chr04	48261439	AA	CC	1940316776
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SNP_P1_84880_48263292	NC_021163.1	Ca_kabuli_chr04	48263292	CC	TT	1940316787
SNP_P1_84882_48267223	NC_021163.1	Ca_kabuli_chr04	48267223	GG	AA	1940316789
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SNP_P1_84884_48269698	NC_021163.1	Ca_kabuli_chr04	48269698	AA	GG	1940316792
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SNP_P1_84887_48275598	NC_021163.1	Ca_kabuli_chr04	48275598	AA	GG	1940316798
SNP_P1_84889_48277240	NC_021163.1	Ca_kabuli_chr04	48277240	TT	AA	1940316799
SNP_P1_84890_48277248	NC_021163.1	Ca_kabuli_chr04	48277248	AA	TT	1940316801
SNP_P1_84891_48277302	NC_021163.1	Ca_kabuli_chr04	48277302	CC	TT	1940316803
SNP_P1_84892_48277321	NC_021163.1	Ca_kabuli_chr04	48277321	CC	TT	1940316804
SNP_P1_84893_48277389	NC_021163.1	Ca_kabuli_chr04	48277389	TT	AA	1940316806
SNP_P1_84894_48277449	NC_021163.1	Ca_kabuli_chr04	48277449	GG	AA	1940316808
SNP_P1_84895_48277461	NC_021163.1	Ca_kabuli_chr04	48277461	GG	AA	1940316809

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84898_48277616	NC_021163.1	Ca_kabuli_chr04	48277616	AA	GG	1940316814
SNP_P1_84900_48277865	NC_021163.1	Ca_kabuli_chr04	48277865	TT	CC	1940316816
SNP_P1_84901_48277873	NC_021163.1	Ca_kabuli_chr04	48277873	GG	AA	1940316818
SNP_P1_84902_48277878	NC_021163.1	Ca_kabuli_chr04	48277878	TT	AA	1940316819
SNP_P1_84903_48277932	NC_021163.1	Ca_kabuli_chr04	48277932	TT	CC	1940316821
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SNP_P1_84909_48278570	NC_021163.1	Ca_kabuli_chr04	48278570	AA	GG	1940316829
SNP_P1_84910_48278576	NC_021163.1	Ca_kabuli_chr04	48278576	GG	AA	1940316831
SNP_P1_84911_48278587	NC_021163.1	Ca_kabuli_chr04	48278587	TT	GG	1940316833
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SNP_P1_84922_48293125	NC_021163.1	Ca_kabuli_chr04	48293125	AA	TT	1940316846
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SNP_P1_84944_48298511	NC_021163.1	Ca_kabuli_chr04	48298511	AA	TT	1940316878
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84948_48299997	NC_021163.1	Ca_kabuli_chr04	48299997	CC	TT	1940316885
SNP_P1_84949_48299998	NC_021163.1	Ca_kabuli_chr04	48299998	CC	AA	1940316886
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SNP_P1_84968_48308379	NC_021163.1	Ca_kabuli_chr04	48308379	TT	CC	1940316915
SNP_P1_84969_48308392	NC_021163.1	Ca_kabuli_chr04	48308392	CC	AA	1940316916
SNP_P1_84970_48308402	NC_021163.1	Ca_kabuli_chr04	48308402	GG	AA	1940316918
SNP_P1_84971_48308435	NC_021163.1	Ca_kabuli_chr04	48308435	AA	GG	1940316920
SNP_P1_84973_48308529	NC_021163.1	Ca_kabuli_chr04	48308529	CC	TT	1940316921
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SNP_P1_84975_48308801	NC_021163.1	Ca_kabuli_chr04	48308801	GG	AA	1940316925
SNP_P1_84976_48308851	NC_021163.1	Ca_kabuli_chr04	48308851	GG	TT	1940316926
SNP_P1_84977_48308931	NC_021163.1	Ca_kabuli_chr04	48308931	CC	AA	1940316928
SNP_P1_84978_48308998	NC_021163.1	Ca_kabuli_chr04	48308998	AA	GG	1940316930
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SNP_P1_84982_48314503	NC_021163.1	Ca_kabuli_chr04	48314503	AA	CC	1940316933
SNP_P1_84984_48314865	NC_021163.1	Ca_kabuli_chr04	48314865	TT	CC	1940316935
SNP_P1_84986_48315535	NC_021163.1	Ca_kabuli_chr04	48315535	TT	AA	1940316936
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SNP_P1_84988_48316015	NC_021163.1	Ca_kabuli_chr04	48316015	CC	TT	1940316940
SNP_P1_84989_48316165	NC_021163.1	Ca_kabuli_chr04	48316165	CC	TT	1940316941
SNP_P1_84990_48316180	NC_021163.1	Ca_kabuli_chr04	48316180	AA	TT	1940316943
SNP_P1_84991_48316250	NC_021163.1	Ca_kabuli_chr04	48316250	GG	AA	1940316945
SNP_P1_84992_48316330	NC_021163.1	Ca_kabuli_chr04	48316330	CC	TT	1940316946
SNP_P1_84994_48316822	NC_021163.1	Ca_kabuli_chr04	48316822	CC	AA	1940316948
SNP_P1_84995_48316971	NC_021163.1	Ca_kabuli_chr04	48316971	AA	GG	1940316950

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_84997_48318380	NC_021163.1	Ca_kabuli_chr04	48318380	AA	CC	1940316953
SNP_P1_84999_48318514	NC_021163.1	Ca_kabuli_chr04	48318514	AA	GG	1940316955
SNP_P1_85000_48318540	NC_021163.1	Ca_kabuli_chr04	48318540	AA	GG	1940316956
SNP_P1_85001_48318601	NC_021163.1	Ca_kabuli_chr04	48318601	TT	CC	1940316958
SNP_P1_85002_48318770	NC_021163.1	Ca_kabuli_chr04	48318770	AA	TT	1940316960
SNP_P1_85003_48321733	NC_021163.1	Ca_kabuli_chr04	48321733	TT	CC	1940316961
SNP_P1_85004_48321738	NC_021163.1	Ca_kabuli_chr04	48321738	GG	CC	1940316963
SNP_P1_85007_48323605	NC_021163.1	Ca_kabuli_chr04	48323605	CC	TT	1940316965
SNP_P1_85008_48323610	NC_021163.1	Ca_kabuli_chr04	48323610	AA	GG	1940316966
SNP_P1_85009_48323915	NC_021163.1	Ca_kabuli_chr04	48323915	AA	GG	1940316968
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SNP_P1_85011_48324454	NC_021163.1	Ca_kabuli_chr04	48324454	TT	AA	1940316971
SNP_P1_85012_48324631	NC_021163.1	Ca_kabuli_chr04	48324631	AA	CC	1940316973
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SNP_P1_85020_48326976	NC_021163.1	Ca_kabuli_chr04	48326976	TT	AA	1940316987
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SNP_P1_85031_48331368	NC_021163.1	Ca_kabuli_chr04	48331368	TT	AA	1940317002
SNP_P1_85032_48331369	NC_021163.1	Ca_kabuli_chr04	48331369	AA	TT	1940317003
SNP_P1_85033_48331552	NC_021163.1	Ca_kabuli_chr04	48331552	GG	TT	1940317005
SNP_P1_85034_48331574	NC_021163.1	Ca_kabuli_chr04	48331574	GG	TT	1940317007
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SNP_P1_85038_48332494	NC_021163.1	Ca_kabuli_chr04	48332494	AA	GG	1940317013
SNP_P1_85039_48332675	NC_021163.1	Ca_kabuli_chr04	48332675	TT	CC	1940317015
SNP_P1_85041_48332741	NC_021163.1	Ca_kabuli_chr04	48332741	AA	GG	1940317017
SNP_P1_85042_48332798	NC_021163.1	Ca_kabuli_chr04	48332798	CC	AA	1940317018
SNP_P1_85043_48332847	NC_021163.1	Ca_kabuli_chr04	48332847	CC	TT	1940317020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85048_48336334	NC_021163.1	Ca_kabuli_chr04	48336334	GG	AA	1940317025
SNP_P1_85050_48336497	NC_021163.1	Ca_kabuli_chr04	48336497	GG	CC	1940317027
SNP_P1_85051_48336555	NC_021163.1	Ca_kabuli_chr04	48336555	GG	AA	1940317028
SNP_P1_85053_48336678	NC_021163.1	Ca_kabuli_chr04	48336678	AA	GG	1940317030
SNP_P1_85054_48336679	NC_021163.1	Ca_kabuli_chr04	48336679	AA	GG	1940317032
SNP_P1_85055_48340359	NC_021163.1	Ca_kabuli_chr04	48340359	GG	AA	1940317033
SNP_P1_85057_48340654	NC_021163.1	Ca_kabuli_chr04	48340654	CC	TT	1940317035
SNP_P1_85058_48340669	NC_021163.1	Ca_kabuli_chr04	48340669	GG	AA	1940317037
SNP_P1_85059_48340934	NC_021163.1	Ca_kabuli_chr04	48340934	CC	TT	1940317038
SNP_P1_85060_48341017	NC_021163.1	Ca_kabuli_chr04	48341017	TT	CC	1940317040
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SNP_P1_85063_48342410	NC_021163.1	Ca_kabuli_chr04	48342410	GG	AA	1940317043
SNP_P1_85065_48342728	NC_021163.1	Ca_kabuli_chr04	48342728	TT	CC	1940317045
SNP_P1_85066_48342753	NC_021163.1	Ca_kabuli_chr04	48342753	AA	TT	1940317047
SNP_P1_85067_48342814	NC_021163.1	Ca_kabuli_chr04	48342814	TT	GG	1940317048
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SNP_P1_85072_48343380	NC_021163.1	Ca_kabuli_chr04	48343380	CC	TT	1940317057
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SNP_P1_85077_48345608	NC_021163.1	Ca_kabuli_chr04	48345608	TT	GG	1940317065
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SNP_P1_85081_48350095	NC_021163.1	Ca_kabuli_chr04	48350095	AA	CC	1940317070
SNP_P1_85082_48350140	NC_021163.1	Ca_kabuli_chr04	48350140	AA	GG	1940317072
SNP_P1_85083_48351081	NC_021163.1	Ca_kabuli_chr04	48351081	GG	TT	1940317074
SNP_P1_85085_48351444	NC_021163.1	Ca_kabuli_chr04	48351444	GG	AA	1940317075
SNP_P1_85086_48351505	NC_021163.1	Ca_kabuli_chr04	48351505	AA	GG	1940317077
SNP_P1_85087_48351532	NC_021163.1	Ca_kabuli_chr04	48351532	GG	AA	1940317079
SNP_P1_85088_48351636	NC_021163.1	Ca_kabuli_chr04	48351636	CC	TT	1940317080
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SNP_P1_85090_48351998	NC_021163.1	Ca_kabuli_chr04	48351998	TT	CC	1940317084
SNP_P1_85091_48352278	NC_021163.1	Ca_kabuli_chr04	48352278	TT	CC	1940317085
SNP_P1_85092_48352509	NC_021163.1	Ca_kabuli_chr04	48352509	AA	CC	1940317087
SNP_P1_85093_48352653	NC_021163.1	Ca_kabuli_chr04	48352653	AA	TT	1940317089
SNP_P1_85094_48352940	NC_021163.1	Ca_kabuli_chr04	48352940	CC	AA	1940317090

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85097_48353869	NC_021163.1	Ca_kabuli_chr04	48353869	CC	TT	1940317095
SNP_P1_85098_48354750	NC_021163.1	Ca_kabuli_chr04	48354750	CC	TT	1940317097
SNP_P1_85099_48355358	NC_021163.1	Ca_kabuli_chr04	48355358	TT	AA	1940317099
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SNP_P1_85101_48355696	NC_021163.1	Ca_kabuli_chr04	48355696	GG	AA	1940317102
SNP_P1_85102_48355916	NC_021163.1	Ca_kabuli_chr04	48355916	TT	CC	1940317104
SNP_P1_85103_48356708	NC_021163.1	Ca_kabuli_chr04	48356708	AA	TT	1940317105
SNP_P1_85104_48359244	NC_021163.1	Ca_kabuli_chr04	48359244	CC	TT	1940317107
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SNP_P1_85108_48365388	NC_021163.1	Ca_kabuli_chr04	48365388	GG	AA	1940317114
SNP_P1_85109_48365729	NC_021163.1	Ca_kabuli_chr04	48365729	CC	TT	1940317115
SNP_P1_85110_48365926	NC_021163.1	Ca_kabuli_chr04	48365926	TT	GG	1940317117
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SNP_P1_85118_48368820	NC_021163.1	Ca_kabuli_chr04	48368820	TT	CC	1940317127
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SNP_P1_85137_48384626	NC_021163.1	Ca_kabuli_chr04	48384626	TT	AA	1940317157
SNP_P1_85138_48384660	NC_021163.1	Ca_kabuli_chr04	48384660	AA	TT	1940317159
SNP_P1_85139_48384876	NC_021163.1	Ca_kabuli_chr04	48384876	GG	AA	1940317161

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85143_48387211	NC_021163.1	Ca_kabuli_chr04	48387211	TT	GG	1940317167
SNP_P1_85144_48387217	NC_021163.1	Ca_kabuli_chr04	48387217	TT	AA	1940317169
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SNP_P1_85153_48391725	NC_021163.1	Ca_kabuli_chr04	48391725	TT	CC	1940317182
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SNP_P1_85155_48392468	NC_021163.1	Ca_kabuli_chr04	48392468	AA	GG	1940317186
SNP_P1_85156_48392521	NC_021163.1	Ca_kabuli_chr04	48392521	TT	GG	1940317187
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SNP_P1_85171_48395091	NC_021163.1	Ca_kabuli_chr04	48395091	GG	AA	1940317209
SNP_P1_85172_48395108	NC_021163.1	Ca_kabuli_chr04	48395108	TT	CC	1940317211
SNP_P1_85173_48395149	NC_021163.1	Ca_kabuli_chr04	48395149	CC	TT	1940317212
SNP_P1_85174_48395279	NC_021163.1	Ca_kabuli_chr04	48395279	AA	CC	1940317214
SNP_P1_85175_48395284	NC_021163.1	Ca_kabuli_chr04	48395284	TT	AA	1940317216
SNP_P1_85176_48395286	NC_021163.1	Ca_kabuli_chr04	48395286	TT	CC	1940317218
SNP_P1_85177_48395329	NC_021163.1	Ca_kabuli_chr04	48395329	AA	GG	1940317219
SNP_P1_85178_48395373	NC_021163.1	Ca_kabuli_chr04	48395373	AA	GG	1940317221
SNP_P1_85179_48395403	NC_021163.1	Ca_kabuli_chr04	48395403	AA	GG	1940317223
SNP_P1_85180_48395444	NC_021163.1	Ca_kabuli_chr04	48395444	AA	GG	1940317224
SNP_P1_85181_48395454	NC_021163.1	Ca_kabuli_chr04	48395454	TT	AA	1940317226
SNP_P1_85182_48395459	NC_021163.1	Ca_kabuli_chr04	48395459	TT	CC	1940317228
SNP_P1_85183_48395469	NC_021163.1	Ca_kabuli_chr04	48395469	CC	TT	1940317229
SNP_P1_85184_48395581	NC_021163.1	Ca_kabuli_chr04	48395581	TT	CC	1940317231

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85186_48395705	NC_021163.1	Ca_kabuli_chr04	48395705	AA	TT	1940317234
SNP_P1_85187_48395746	NC_021163.1	Ca_kabuli_chr04	48395746	TT	CC	1940317236
SNP_P1_85189_48395856	NC_021163.1	Ca_kabuli_chr04	48395856	TT	AA	1940317238
SNP_P1_85190_48395860	NC_021163.1	Ca_kabuli_chr04	48395860	AA	CC	1940317239
SNP_P1_85191_48396190	NC_021163.1	Ca_kabuli_chr04	48396190	TT	CC	1940317241
SNP_P1_85192_48396209	NC_021163.1	Ca_kabuli_chr04	48396209	GG	AA	1940317243
SNP_P1_85193_48396254	NC_021163.1	Ca_kabuli_chr04	48396254	CC	TT	1940317244
SNP_P1_85194_48396320	NC_021163.1	Ca_kabuli_chr04	48396320	CC	TT	1940317246
SNP_P1_85195_48396452	NC_021163.1	Ca_kabuli_chr04	48396452	GG	AA	1940317248
SNP_P1_85196_48396559	NC_021163.1	Ca_kabuli_chr04	48396559	TT	CC	1940317249
SNP_P1_85197_48397363	NC_021163.1	Ca_kabuli_chr04	48397363	CC	AA	1940317251
SNP_P1_85198_48398289	NC_021163.1	Ca_kabuli_chr04	48398289	AA	GG	1940317253
SNP_P1_85200_48398659	NC_021163.1	Ca_kabuli_chr04	48398659	AA	GG	1940317254
SNP_P1_85201_48400126	NC_021163.1	Ca_kabuli_chr04	48400126	TT	CC	1940317256
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SNP_P1_85203_48400508	NC_021163.1	Ca_kabuli_chr04	48400508	GG	AA	1940317259
SNP_P1_85204_48401285	NC_021163.1	Ca_kabuli_chr04	48401285	GG	AA	1940317261
SNP_P1_85205_48401321	NC_021163.1	Ca_kabuli_chr04	48401321	GG	TT	1940317263
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SNP_P1_85207_48402125	NC_021163.1	Ca_kabuli_chr04	48402125	GG	TT	1940317266
SNP_P1_85208_48402195	NC_021163.1	Ca_kabuli_chr04	48402195	TT	GG	1940317268
SNP_P1_85209_48402382	NC_021163.1	Ca_kabuli_chr04	48402382	AA	GG	1940317269
SNP_P1_85210_48402412	NC_021163.1	Ca_kabuli_chr04	48402412	CC	TT	1940317271
SNP_P1_85211_48402498	NC_021163.1	Ca_kabuli_chr04	48402498	CC	AA	1940317273
SNP_P1_85212_48403967	NC_021163.1	Ca_kabuli_chr04	48403967	TT	CC	1940317274
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SNP_P1_85214_48404400	NC_021163.1	Ca_kabuli_chr04	48404400	AA	GG	1940317278
SNP_P1_85215_48407035	NC_021163.1	Ca_kabuli_chr04	48407035	CC	TT	1940317279
SNP_P1_85217_48411408	NC_021163.1	Ca_kabuli_chr04	48411408	GG	AA	1940317281
SNP_P1_85218_48412087	NC_021163.1	Ca_kabuli_chr04	48412087	AA	GG	1940317283
SNP_P1_85219_48412110	NC_021163.1	Ca_kabuli_chr04	48412110	AA	TT	1940317284
SNP_P1_85220_48412118	NC_021163.1	Ca_kabuli_chr04	48412118	TT	AA	1940317286
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SNP_P1_85223_48413371	NC_021163.1	Ca_kabuli_chr04	48413371	TT	CC	1940317291
SNP_P1_85225_48414225	NC_021163.1	Ca_kabuli_chr04	48414225	GG	CC	1940317293
SNP_P1_85226_48414262	NC_021163.1	Ca_kabuli_chr04	48414262	CC	TT	1940317294
SNP_P1_85227_48414536	NC_021163.1	Ca_kabuli_chr04	48414536	GG	AA	1940317296
SNP_P1_85228_48414884	NC_021163.1	Ca_kabuli_chr04	48414884	GG	TT	1940317298
SNP_P1_85230_48419096	NC_021163.1	Ca_kabuli_chr04	48419096	TT	CC	1940317300
SNP_P1_85231_48419145	NC_021163.1	Ca_kabuli_chr04	48419145	CC	AA	1940317301

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85234_48419392	NC_021163.1	Ca_kabuli_chr04	48419392	TT	CC	1940317306
SNP_P1_85235_48427867	NC_021163.1	Ca_kabuli_chr04	48427867	GG	TT	1940317308
SNP_P1_85236_48427993	NC_021163.1	Ca_kabuli_chr04	48427993	GG	AA	1940317310
SNP_P1_85237_48428670	NC_021163.1	Ca_kabuli_chr04	48428670	CC	TT	1940317311
SNP_P1_85238_48428689	NC_021163.1	Ca_kabuli_chr04	48428689	TT	CC	1940317313
SNP_P1_85239_48428721	NC_021163.1	Ca_kabuli_chr04	48428721	GG	AA	1940317315
SNP_P1_85240_48428753	NC_021163.1	Ca_kabuli_chr04	48428753	AA	TT	1940317316
SNP_P1_85241_48430436	NC_021163.1	Ca_kabuli_chr04	48430436	GG	TT	1940317318
SNP_P1_85242_48430444	NC_021163.1	Ca_kabuli_chr04	48430444	CC	AA	1940317320
SNP_P1_85243_48430445	NC_021163.1	Ca_kabuli_chr04	48430445	AA	GG	1940317321
SNP_P1_85244_48430636	NC_021163.1	Ca_kabuli_chr04	48430636	TT	AA	1940317323
SNP_P1_85246_48431063	NC_021163.1	Ca_kabuli_chr04	48431063	TT	CC	1940317325
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SNP_P1_85248_48431510	NC_021163.1	Ca_kabuli_chr04	48431510	CC	TT	1940317328
SNP_P1_85249_48432248	NC_021163.1	Ca_kabuli_chr04	48432248	GG	TT	1940317330
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SNP_P1_85251_48432329	NC_021163.1	Ca_kabuli_chr04	48432329	GG	AA	1940317333
SNP_P1_85252_48432818	NC_021163.1	Ca_kabuli_chr04	48432818	CC	TT	1940317335
SNP_P1_85253_48433163	NC_021163.1	Ca_kabuli_chr04	48433163	CC	TT	1940317336
SNP_P1_85254_48433169	NC_021163.1	Ca_kabuli_chr04	48433169	AA	TT	1940317338
SNP_P1_85255_48433171	NC_021163.1	Ca_kabuli_chr04	48433171	TT	CC	1940317340
SNP_P1_85256_48433364	NC_021163.1	Ca_kabuli_chr04	48433364	CC	TT	1940317341
SNP_P1_85257_48433537	NC_021163.1	Ca_kabuli_chr04	48433537	AA	GG	1940317343
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SNP_P1_85261_48434580	NC_021163.1	Ca_kabuli_chr04	48434580	AA	GG	1940317348
SNP_P1_85262_48434640	NC_021163.1	Ca_kabuli_chr04	48434640	TT	CC	1940317350
SNP_P1_85263_48434803	NC_021163.1	Ca_kabuli_chr04	48434803	TT	AA	1940317351
SNP_P1_85264_48434827	NC_021163.1	Ca_kabuli_chr04	48434827	GG	AA	1940317353
SNP_P1_85265_48434828	NC_021163.1	Ca_kabuli_chr04	48434828	AA	TT	1940317355
SNP_P1_85266_48435124	NC_021163.1	Ca_kabuli_chr04	48435124	GG	AA	1940317356
SNP_P1_85268_48436919	NC_021163.1	Ca_kabuli_chr04	48436919	GG	TT	1940317358
SNP_P1_85269_48437214	NC_021163.1	Ca_kabuli_chr04	48437214	GG	AA	1940317360
SNP_P1_85270_48439960	NC_021163.1	Ca_kabuli_chr04	48439960	CC	GG	1940317361
SNP_P1_85272_48440032	NC_021163.1	Ca_kabuli_chr04	48440032	AA	GG	1940317363
SNP_P1_85273_48440063	NC_021163.1	Ca_kabuli_chr04	48440063	CC	TT	1940317365
SNP_P1_85274_48440098	NC_021163.1	Ca_kabuli_chr04	48440098	TT	CC	1940317366
SNP_P1_85275_48440157	NC_021163.1	Ca_kabuli_chr04	48440157	CC	TT	1940317368
SNP_P1_85276_48440235	NC_021163.1	Ca_kabuli_chr04	48440235	GG	AA	1940317370
SNP_P1_85277_48440250	NC_021163.1	Ca_kabuli_chr04	48440250	TT	GG	1940317371

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85281_48440825	NC_021163.1	Ca_kabuli_chr04	48440825	GG	AA	1940317375
SNP_P1_85282_48441688	NC_021163.1	Ca_kabuli_chr04	48441688	CC	TT	1940317376
SNP_P1_85283_48441697	NC_021163.1	Ca_kabuli_chr04	48441697	GG	AA	1940317378
SNP_P1_85284_48441881	NC_021163.1	Ca_kabuli_chr04	48441881	TT	CC	1940317380
SNP_P1_85285_48441890	NC_021163.1	Ca_kabuli_chr04	48441890	GG	AA	1940317382
SNP_P1_85286_48441901	NC_021163.1	Ca_kabuli_chr04	48441901	GG	AA	1940317383
SNP_P1_85289_48443507	NC_021163.1	Ca_kabuli_chr04	48443507	CC	TT	1940317385
SNP_P1_85291_48443854	NC_021163.1	Ca_kabuli_chr04	48443854	AA	GG	1940317387
SNP_P1_85292_48444104	NC_021163.1	Ca_kabuli_chr04	48444104	AA	GG	1940317388
SNP_P1_85293_48444140	NC_021163.1	Ca_kabuli_chr04	48444140	GG	TT	1940317390
SNP_P1_85294_48444225	NC_021163.1	Ca_kabuli_chr04	48444225	TT	CC	1940317392
SNP_P1_85296_48444250	NC_021163.1	Ca_kabuli_chr04	48444250	CC	TT	1940317393
SNP_P1_85297_48444251	NC_021163.1	Ca_kabuli_chr04	48444251	AA	GG	1940317395
SNP_P1_85298_48444260	NC_021163.1	Ca_kabuli_chr04	48444260	GG	AA	1940317397
SNP_P1_85299_48444329	NC_021163.1	Ca_kabuli_chr04	48444329	CC	TT	1940317398
SNP_P1_85300_48445058	NC_021163.1	Ca_kabuli_chr04	48445058	GG	AA	1940317400
SNP_P1_85301_48446045	NC_021163.1	Ca_kabuli_chr04	48446045	GG	AA	1940317402
SNP_P1_85302_48446870	NC_021163.1	Ca_kabuli_chr04	48446870	CC	TT	1940317403
SNP_P1_85303_48448273	NC_021163.1	Ca_kabuli_chr04	48448273	TT	CC	1940317405
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SNP_P1_85305_48448774	NC_021163.1	Ca_kabuli_chr04	48448774	AA	GG	1940317408
SNP_P1_85306_48448788	NC_021163.1	Ca_kabuli_chr04	48448788	AA	TT	1940317410
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SNP_P1_85311_48449180	NC_021163.1	Ca_kabuli_chr04	48449180	AA	GG	1940317418
SNP_P1_85312_48449337	NC_021163.1	Ca_kabuli_chr04	48449337	AA	GG	1940317420
SNP_P1_85313_48449364	NC_021163.1	Ca_kabuli_chr04	48449364	TT	CC	1940317422
SNP_P1_85314_48449963	NC_021163.1	Ca_kabuli_chr04	48449963	CC	AA	1940317423
SNP_P1_85315_48450159	NC_021163.1	Ca_kabuli_chr04	48450159	TT	CC	1940317425
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SNP_P1_85317_48450181	NC_021163.1	Ca_kabuli_chr04	48450181	AA	TT	1940317428
SNP_P1_85318_48450367	NC_021163.1	Ca_kabuli_chr04	48450367	GG	AA	1940317430
SNP_P1_85319_48450454	NC_021163.1	Ca_kabuli_chr04	48450454	AA	TT	1940317432
SNP_P1_85320_48450690	NC_021163.1	Ca_kabuli_chr04	48450690	AA	GG	1940317433
SNP_P1_85322_48450942	NC_021163.1	Ca_kabuli_chr04	48450942	AA	TT	1940317435
SNP_P1_85323_48452030	NC_021163.1	Ca_kabuli_chr04	48452030	TT	GG	1940317437
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SNP_P1_85325_48452059	NC_021163.1	Ca_kabuli_chr04	48452059	AA	GG	1940317440
SNP_P1_85326_48452060	NC_021163.1	Ca_kabuli_chr04	48452060	CC	TT	1940317442

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85330_48454626	NC_021163.1	Ca_kabuli_chr04	48454626	AA	TT	1940317447
SNP_P1_85331_48454660	NC_021163.1	Ca_kabuli_chr04	48454660	TT	CC	1940317448
SNP_P1_85332_48454666	NC_021163.1	Ca_kabuli_chr04	48454666	GG	AA	1940317450
SNP_P1_85333_48457876	NC_021163.1	Ca_kabuli_chr04	48457876	TT	CC	1940317452
SNP_P1_85334_48458381	NC_021163.1	Ca_kabuli_chr04	48458381	TT	CC	1940317454
SNP_P1_85335_48459089	NC_021163.1	Ca_kabuli_chr04	48459089	TT	GG	1940317455
SNP_P1_85336_48460117	NC_021163.1	Ca_kabuli_chr04	48460117	AA	GG	1940317457
SNP_P1_85337_48460171	NC_021163.1	Ca_kabuli_chr04	48460171	TT	CC	1940317459
SNP_P1_85339_48460353	NC_021163.1	Ca_kabuli_chr04	48460353	GG	CC	1940317460
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SNP_P1_85343_48462437	NC_021163.1	Ca_kabuli_chr04	48462437	GG	CC	1940317465
SNP_P1_85344_48462462	NC_021163.1	Ca_kabuli_chr04	48462462	GG	AA	1940317467
SNP_P1_85345_48462465	NC_021163.1	Ca_kabuli_chr04	48462465	GG	AA	1940317469
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SNP_P1_85348_48462767	NC_021163.1	Ca_kabuli_chr04	48462767	AA	GG	1940317472
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SNP_P1_85352_48469270	NC_021163.1	Ca_kabuli_chr04	48469270	TT	CC	1940317475
SNP_P1_85353_48471413	NC_021163.1	Ca_kabuli_chr04	48471413	TT	CC	1940317477
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SNP_P1_85355_48472897	NC_021163.1	Ca_kabuli_chr04	48472897	CC	TT	1940317480
SNP_P1_85356_48475197	NC_021163.1	Ca_kabuli_chr04	48475197	TT	CC	1940317482
SNP_P1_85357_48475235	NC_021163.1	Ca_kabuli_chr04	48475235	AA	TT	1940317484
SNP_P1_85358_48475284	NC_021163.1	Ca_kabuli_chr04	48475284	CC	TT	1940317485
SNP_P1_85359_48475447	NC_021163.1	Ca_kabuli_chr04	48475447	CC	TT	1940317487
SNP_P1_85360_48475461	NC_021163.1	Ca_kabuli_chr04	48475461	AA	GG	1940317489
SNP_P1_85361_48475589	NC_021163.1	Ca_kabuli_chr04	48475589	TT	AA	1940317490
SNP_P1_85362_48478303	NC_021163.1	Ca_kabuli_chr04	48478303	AA	GG	1940317492
SNP_P1_85363_48478817	NC_021163.1	Ca_kabuli_chr04	48478817	TT	CC	1940317494
SNP_P1_85364_48478927	NC_021163.1	Ca_kabuli_chr04	48478927	GG	AA	1940317495
SNP_P1_85365_48478931	NC_021163.1	Ca_kabuli_chr04	48478931	TT	CC	1940317497
SNP_P1_85366_48478935	NC_021163.1	Ca_kabuli_chr04	48478935	TT	CC	1940317499
SNP_P1_85367_48478978	NC_021163.1	Ca_kabuli_chr04	48478978	AA	TT	1940317500
SNP_P1_85368_48479045	NC_021163.1	Ca_kabuli_chr04	48479045	AA	GG	1940317502
SNP_P1_85369_48479175	NC_021163.1	Ca_kabuli_chr04	48479175	CC	TT	1940317504
SNP_P1_85370_48479329	NC_021163.1	Ca_kabuli_chr04	48479329	CC	TT	1940317505
SNP_P1_85371_48479680	NC_021163.1	Ca_kabuli_chr04	48479680	AA	GG	1940317507
SNP_P1_85372_48481327	NC_021163.1	Ca_kabuli_chr04	48481327	AA	CC	1940317509
SNP_P1_85373_48481335	NC_021163.1	Ca_kabuli_chr04	48481335	AA	TT	1940317510
SNP_P1_85374_48481978	NC_021163.1	Ca_kabuli_chr04	48481978	GG	AA	1940317512

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85376_48482008	NC_021163.1	Ca_kabuli_chr04	48482008	AA	GG	1940317515
SNP_P1_85377_48482028	NC_021163.1	Ca_kabuli_chr04	48482028	GG	AA	1940317517
SNP_P1_85378_48482051	NC_021163.1	Ca_kabuli_chr04	48482051	AA	GG	1940317519
SNP_P1_85379_48482189	NC_021163.1	Ca_kabuli_chr04	48482189	CC	TT	1940317520
SNP_P1_85380_48482213	NC_021163.1	Ca_kabuli_chr04	48482213	AA	GG	1940317522
SNP_P1_85381_48483645	NC_021163.1	Ca_kabuli_chr04	48483645	CC	TT	1940317524
SNP_P1_85383_48483719	NC_021163.1	Ca_kabuli_chr04	48483719	CC	TT	1940317525
SNP_P1_85384_48487288	NC_021163.1	Ca_kabuli_chr04	48487288	AA	CC	1940317527
SNP_P1_85385_48487324	NC_021163.1	Ca_kabuli_chr04	48487324	GG	AA	1940317529
SNP_P1_85386_48487583	NC_021163.1	Ca_kabuli_chr04	48487583	AA	GG	1940317530
SNP_P1_85387_48487622	NC_021163.1	Ca_kabuli_chr04	48487622	GG	TT	1940317532
SNP_P1_85388_48488096	NC_021163.1	Ca_kabuli_chr04	48488096	AA	TT	1940317534
SNP_P1_85389_48488115	NC_021163.1	Ca_kabuli_chr04	48488115	TT	GG	1940317535
SNP_P1_85390_48488638	NC_021163.1	Ca_kabuli_chr04	48488638	AA	GG	1940317537
SNP_P1_85391_48488656	NC_021163.1	Ca_kabuli_chr04	48488656	AA	TT	1940317539
SNP_P1_85392_48493281	NC_021163.1	Ca_kabuli_chr04	48493281	CC	GG	1940317540
SNP_P1_85393_48493645	NC_021163.1	Ca_kabuli_chr04	48493645	CC	TT	1940317542
SNP_P1_85394_48493684	NC_021163.1	Ca_kabuli_chr04	48493684	GG	CC	1940317544
SNP_P1_85396_48494417	NC_021163.1	Ca_kabuli_chr04	48494417	TT	CC	1940317545
SNP_P1_85397_48494426	NC_021163.1	Ca_kabuli_chr04	48494426	GG	AA	1940317547
SNP_P1_85398_48494434	NC_021163.1	Ca_kabuli_chr04	48494434	CC	AA	1940317549
SNP_P1_85400_48495189	NC_021163.1	Ca_kabuli_chr04	48495189	GG	AA	1940317551
SNP_P1_85401_48495196	NC_021163.1	Ca_kabuli_chr04	48495196	AA	GG	1940317552
SNP_P1_85402_48495934	NC_021163.1	Ca_kabuli_chr04	48495934	TT	GG	1940317554
SNP_P1_85403_48495967	NC_021163.1	Ca_kabuli_chr04	48495967	GG	CC	1940317556
SNP_P1_85404_48497234	NC_021163.1	Ca_kabuli_chr04	48497234	AA	GG	1940317557
SNP_P1_85405_48497282	NC_021163.1	Ca_kabuli_chr04	48497282	GG	AA	1940317559
SNP_P1_85406_48497304	NC_021163.1	Ca_kabuli_chr04	48497304	AA	GG	1940317561
SNP_P1_85407_48497308	NC_021163.1	Ca_kabuli_chr04	48497308	AA	CC	1940317562
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SNP_P1_85409_48497839	NC_021163.1	Ca_kabuli_chr04	48497839	AA	GG	1940317566
SNP_P1_85410_48498133	NC_021163.1	Ca_kabuli_chr04	48498133	TT	CC	1940317567
SNP_P1_85411_48498166	NC_021163.1	Ca_kabuli_chr04	48498166	GG	AA	1940317569
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SNP_P1_85413_48498750	NC_021163.1	Ca_kabuli_chr04	48498750	TT	AA	1940317572
SNP_P1_85414_48499065	NC_021163.1	Ca_kabuli_chr04	48499065	CC	AA	1940317574
SNP_P1_85415_48499130	NC_021163.1	Ca_kabuli_chr04	48499130	GG	AA	1940317576
SNP_P1_85416_48499132	NC_021163.1	Ca_kabuli_chr04	48499132	AA	GG	1940317577
SNP_P1_85417_48499355	NC_021163.1	Ca_kabuli_chr04	48499355	CC	TT	1940317579
SNP_P1_85418_48500614	NC_021163.1	Ca_kabuli_chr04	48500614	TT	CC	1940317581
SNP_P1_85419_48500618	NC_021163.1	Ca_kabuli_chr04	48500618	CC	AA	1940317582

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85422_48502332	NC_021163.1	Ca_kabuli_chr04	48502332	CC	AA	1940317586
SNP_P1_85423_48502380	NC_021163.1	Ca_kabuli_chr04	48502380	GG	AA	1940317587
SNP_P1_85424_48502386	NC_021163.1	Ca_kabuli_chr04	48502386	GG	AA	1940317589
SNP_P1_85425_48502416	NC_021163.1	Ca_kabuli_chr04	48502416	TT	GG	1940317591
SNP_P1_85427_48502687	NC_021163.1	Ca_kabuli_chr04	48502687	AA	GG	1940317592
SNP_P1_85428_48502714	NC_021163.1	Ca_kabuli_chr04	48502714	CC	TT	1940317594
SNP_P1_85429_48503690	NC_021163.1	Ca_kabuli_chr04	48503690	AA	CC	1940317596
SNP_P1_85430_48504330	NC_021163.1	Ca_kabuli_chr04	48504330	CC	GG	1940317597
SNP_P1_85431_48504604	NC_021163.1	Ca_kabuli_chr04	48504604	AA	GG	1940317599
SNP_P1_85432_48504617	NC_021163.1	Ca_kabuli_chr04	48504617	CC	GG	1940317601
SNP_P1_85433_48505140	NC_021163.1	Ca_kabuli_chr04	48505140	GG	AA	1940317602
SNP_P1_85434_48505173	NC_021163.1	Ca_kabuli_chr04	48505173	CC	TT	1940317604
SNP_P1_85435_48505333	NC_021163.1	Ca_kabuli_chr04	48505333	TT	CC	1940317606
SNP_P1_85436_48505819	NC_021163.1	Ca_kabuli_chr04	48505819	TT	CC	1940317607
SNP_P1_85437_48505820	NC_021163.1	Ca_kabuli_chr04	48505820	TT	AA	1940317609
SNP_P1_85438_48506464	NC_021163.1	Ca_kabuli_chr04	48506464	CC	TT	1940317611
SNP_P1_85439_48506726	NC_021163.1	Ca_kabuli_chr04	48506726	TT	CC	1940317613
SNP_P1_85440_48506773	NC_021163.1	Ca_kabuli_chr04	48506773	GG	TT	1940317614
SNP_P1_85441_48506955	NC_021163.1	Ca_kabuli_chr04	48506955	CC	TT	1940317616
SNP_P1_85442_48507153	NC_021163.1	Ca_kabuli_chr04	48507153	CC	TT	1940317618
SNP_P1_85443_48507172	NC_021163.1	Ca_kabuli_chr04	48507172	TT	GG	1940317619
SNP_P1_85444_48507208	NC_021163.1	Ca_kabuli_chr04	48507208	AA	GG	1940317621
SNP_P1_85445_48507210	NC_021163.1	Ca_kabuli_chr04	48507210	TT	CC	1940317623
SNP_P1_85446_48507436	NC_021163.1	Ca_kabuli_chr04	48507436	CC	TT	1940317624
SNP_P1_85447_48507517	NC_021163.1	Ca_kabuli_chr04	48507517	GG	AA	1940317626
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SNP_P1_85449_48507559	NC_021163.1	Ca_kabuli_chr04	48507559	CC	TT	1940317629
SNP_P1_85450_48507564	NC_021163.1	Ca_kabuli_chr04	48507564	CC	TT	1940317631
SNP_P1_85451_48507786	NC_021163.1	Ca_kabuli_chr04	48507786	AA	TT	1940317633
SNP_P1_85452_48509146	NC_021163.1	Ca_kabuli_chr04	48509146	AA	TT	1940317634
SNP_P1_85453_48509356	NC_021163.1	Ca_kabuli_chr04	48509356	CC	GG	1940317636
SNP_P1_85455_48511934	NC_021163.1	Ca_kabuli_chr04	48511934	GG	AA	1940317638
SNP_P1_85456_48511978	NC_021163.1	Ca_kabuli_chr04	48511978	CC	TT	1940317639
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SNP_P1_85458_48512510	NC_021163.1	Ca_kabuli_chr04	48512510	GG	TT	1940317643
SNP_P1_85459_48512514	NC_021163.1	Ca_kabuli_chr04	48512514	CC	AA	1940317644
SNP_P1_85460_48512598	NC_021163.1	Ca_kabuli_chr04	48512598	CC	TT	1940317646
SNP_P1_85461_48512643	NC_021163.1	Ca_kabuli_chr04	48512643	AA	TT	1940317648
SNP_P1_85462_48512738	NC_021163.1	Ca_kabuli_chr04	48512738	AA	TT	1940317649
SNP_P1_85463_48512758	NC_021163.1	Ca_kabuli_chr04	48512758	AA	TT	1940317651
SNP_P1_85464_48512927	NC_021163.1	Ca_kabuli_chr04	48512927	GG	TT	1940317653

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85466_48513090	NC_021163.1	Ca_kabuli_chr04	48513090	CC	TT	1940317656
SNP_P1_85467_48513099	NC_021163.1	Ca_kabuli_chr04	48513099	AA	GG	1940317658
SNP_P1_85468_48513129	NC_021163.1	Ca_kabuli_chr04	48513129	GG	AA	1940317659
SNP_P1_85469_48513313	NC_021163.1	Ca_kabuli_chr04	48513313	AA	TT	1940317661
SNP_P1_85470_48513314	NC_021163.1	Ca_kabuli_chr04	48513314	AA	TT	1940317663
SNP_P1_85471_48513349	NC_021163.1	Ca_kabuli_chr04	48513349	AA	TT	1940317664
SNP_P1_85472_48513352	NC_021163.1	Ca_kabuli_chr04	48513352	CC	TT	1940317666
SNP_P1_85473_48513365	NC_021163.1	Ca_kabuli_chr04	48513365	AA	GG	1940317668
SNP_P1_85474_48513375	NC_021163.1	Ca_kabuli_chr04	48513375	TT	GG	1940317669
SNP_P1_85475_48513644	NC_021163.1	Ca_kabuli_chr04	48513644	TT	AA	1940317671
SNP_P1_85476_48513670	NC_021163.1	Ca_kabuli_chr04	48513670	TT	AA	1940317673
SNP_P1_85477_48514227	NC_021163.1	Ca_kabuli_chr04	48514227	TT	AA	1940317674
SNP_P1_85478_48514244	NC_021163.1	Ca_kabuli_chr04	48514244	GG	TT	1940317676
SNP_P1_85479_48514304	NC_021163.1	Ca_kabuli_chr04	48514304	CC	TT	1940317678
SNP_P1_85480_48514322	NC_021163.1	Ca_kabuli_chr04	48514322	CC	TT	1940317679
SNP_P1_85481_48514334	NC_021163.1	Ca_kabuli_chr04	48514334	TT	CC	1940317681
SNP_P1_85482_48514338	NC_021163.1	Ca_kabuli_chr04	48514338	GG	AA	1940317683
SNP_P1_85483_48514465	NC_021163.1	Ca_kabuli_chr04	48514465	CC	AA	1940317684
SNP_P1_85484_48514563	NC_021163.1	Ca_kabuli_chr04	48514563	AA	GG	1940317686
SNP_P1_85485_48514569	NC_021163.1	Ca_kabuli_chr04	48514569	TT	CC	1940317688
SNP_P1_85486_48514578	NC_021163.1	Ca_kabuli_chr04	48514578	CC	AA	1940317689
SNP_P1_85487_48514601	NC_021163.1	Ca_kabuli_chr04	48514601	TT	CC	1940317691
SNP_P1_85488_48514875	NC_021163.1	Ca_kabuli_chr04	48514875	AA	TT	1940317693
SNP_P1_85489_48515065	NC_021163.1	Ca_kabuli_chr04	48515065	AA	GG	1940317694
SNP_P1_85490_48515157	NC_021163.1	Ca_kabuli_chr04	48515157	GG	AA	1940317696
SNP_P1_85491_48515196	NC_021163.1	Ca_kabuli_chr04	48515196	CC	TT	1940317698
SNP_P1_85492_48515757	NC_021163.1	Ca_kabuli_chr04	48515757	CC	GG	1940317700
SNP_P1_85493_48515774	NC_021163.1	Ca_kabuli_chr04	48515774	CC	TT	1940317701
SNP_P1_85495_48515954	NC_021163.1	Ca_kabuli_chr04	48515954	GG	CC	1940317703
SNP_P1_85496_48515985	NC_021163.1	Ca_kabuli_chr04	48515985	TT	CC	1940317705
SNP_P1_85497_48516080	NC_021163.1	Ca_kabuli_chr04	48516080	TT	AA	1940317706
SNP_P1_85498_48516085	NC_021163.1	Ca_kabuli_chr04	48516085	GG	CC	1940317708
SNP_P1_85499_48516098	NC_021163.1	Ca_kabuli_chr04	48516098	TT	AA	1940317710
SNP_P1_85500_48516339	NC_021163.1	Ca_kabuli_chr04	48516339	AA	GG	1940317711
SNP_P1_85501_48516340	NC_021163.1	Ca_kabuli_chr04	48516340	GG	AA	1940317713
SNP_P1_85502_48516363	NC_021163.1	Ca_kabuli_chr04	48516363	AA	GG	1940317715
SNP_P1_85504_48516981	NC_021163.1	Ca_kabuli_chr04	48516981	AA	TT	1940317716
SNP_P1_85505_48517029	NC_021163.1	Ca_kabuli_chr04	48517029	CC	TT	1940317718
SNP_P1_85507_48517202	NC_021163.1	Ca_kabuli_chr04	48517202	CC	GG	1940317720
SNP_P1_85509_48518154	NC_021163.1	Ca_kabuli_chr04	48518154	AA	CC	1940317721
SNP_P1_85510_48518189	NC_021163.1	Ca_kabuli_chr04	48518189	GG	CC	1940317723

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85513_48518440	NC_021163.1	Ca_kabuli_chr04	48518440	CC	GG	1940317726
SNP_P1_85514_48519369	NC_021163.1	Ca_kabuli_chr04	48519369	AA	TT	1940317728
SNP_P1_85515_48519371	NC_021163.1	Ca_kabuli_chr04	48519371	CC	GG	1940317730
SNP_P1_85518_48528253	NC_021163.1	Ca_kabuli_chr04	48528253	TT	AA	1940317731
SNP_P1_85519_48530418	NC_021163.1	Ca_kabuli_chr04	48530418	AA	GG	1940317733
SNP_P1_85520_48530662	NC_021163.1	Ca_kabuli_chr04	48530662	TT	AA	1940317735
SNP_P1_85521_48541105	NC_021163.1	Ca_kabuli_chr04	48541105	GG	TT	1940317736
SNP_P1_85523_48544663	NC_021163.1	Ca_kabuli_chr04	48544663	GG	TT	1940317738
SNP_P1_85524_48546378	NC_021163.1	Ca_kabuli_chr04	48546378	TT	GG	1940317740
SNP_P1_85525_48546379	NC_021163.1	Ca_kabuli_chr04	48546379	AA	TT	1940317741
SNP_P1_85526_48546381	NC_021163.1	Ca_kabuli_chr04	48546381	GG	AA	1940317743
SNP_P1_85527_48546382	NC_021163.1	Ca_kabuli_chr04	48546382	GG	CC	1940317745
SNP_P1_85528_48546404	NC_021163.1	Ca_kabuli_chr04	48546404	AA	TT	1940317746
SNP_P1_85529_48546407	NC_021163.1	Ca_kabuli_chr04	48546407	GG	AA	1940317748
SNP_P1_85530_48546811	NC_021163.1	Ca_kabuli_chr04	48546811	TT	CC	1940317750
SNP_P1_85532_48563625	NC_021163.1	Ca_kabuli_chr04	48563625	GG	TT	1940317752
SNP_P1_85533_48563753	NC_021163.1	Ca_kabuli_chr04	48563753	AA	TT	1940317753
SNP_P1_85534_48563826	NC_021163.1	Ca_kabuli_chr04	48563826	GG	AA	1940317755
SNP_P1_85535_48574357	NC_021163.1	Ca_kabuli_chr04	48574357	CC	TT	1940317757
SNP_P1_85536_48574378	NC_021163.1	Ca_kabuli_chr04	48574378	TT	CC	1940317758
SNP_P1_85537_48574414	NC_021163.1	Ca_kabuli_chr04	48574414	TT	CC	1940317760
SNP_P1_85538_48574530	NC_021163.1	Ca_kabuli_chr04	48574530	CC	TT	1940317762
SNP_P1_85540_48575242	NC_021163.1	Ca_kabuli_chr04	48575242	GG	TT	1940317763
SNP_P1_85541_48575833	NC_021163.1	Ca_kabuli_chr04	48575833	TT	AA	1940317765
SNP_P1_85542_48576825	NC_021163.1	Ca_kabuli_chr04	48576825	TT	CC	1940317767
SNP_P1_85543_48576839	NC_021163.1	Ca_kabuli_chr04	48576839	AA	GG	1940317768
SNP_P1_85545_48577142	NC_021163.1	Ca_kabuli_chr04	48577142	GG	AA	1940317770
SNP_P1_85547_48591921	NC_021163.1	Ca_kabuli_chr04	48591921	CC	TT	1940317772
SNP_P1_85548_48602156	NC_021163.1	Ca_kabuli_chr04	48602156	CC	TT	1940317773
SNP_P1_85549_48603067	NC_021163.1	Ca_kabuli_chr04	48603067	TT	AA	1940317775
SNP_P1_85550_48603076	NC_021163.1	Ca_kabuli_chr04	48603076	TT	GG	1940317777
SNP_P1_85551_48614309	NC_021163.1	Ca_kabuli_chr04	48614309	TT	AA	1940317778
SNP_P1_85552_48614804	NC_021163.1	Ca_kabuli_chr04	48614804	AA	GG	1940317780
SNP_P1_85553_48614806	NC_021163.1	Ca_kabuli_chr04	48614806	TT	GG	1940317782
SNP_P1_85554_48627122	NC_021163.1	Ca_kabuli_chr04	48627122	CC	TT	1940317783
SNP_P1_85555_48629930	NC_021163.1	Ca_kabuli_chr04	48629930	AA	GG	1940317785
SNP_P1_85556_48646239	NC_021163.1	Ca_kabuli_chr04	48646239	TT	CC	1940317787
SNP_P1_85557_48650739	NC_021163.1	Ca_kabuli_chr04	48650739	CC	TT	1940317788
SNP_P1_85559_48658788	NC_021163.1	Ca_kabuli_chr04	48658788	TT	CC	1940317790
SNP_P1_85561_48658981	NC_021163.1	Ca_kabuli_chr04	48658981	TT	AA	1940317792
SNP_P1_85562_48659738	NC_021163.1	Ca_kabuli_chr04	48659738	AA	GG	1940317793

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85564_48659742	NC_021163.1	Ca_kabuli_chr04	48659742	AA	CC	1940317797
SNP_P1_85565_48659745	NC_021163.1	Ca_kabuli_chr04	48659745	GG	AA	1940317798
SNP_P1_85566_48659792	NC_021163.1	Ca_kabuli_chr04	48659792	GG	AA	1940317800
SNP_P1_85567_48659924	NC_021163.1	Ca_kabuli_chr04	48659924	AA	CC	1940317802
SNP_P1_85568_48659938	NC_021163.1	Ca_kabuli_chr04	48659938	GG	AA	1940317803
SNP_P1_85569_48659952	NC_021163.1	Ca_kabuli_chr04	48659952	AA	GG	1940317805
SNP_P1_85570_48661078	NC_021163.1	Ca_kabuli_chr04	48661078	TT	AA	1940317807
SNP_P1_85571_48661168	NC_021163.1	Ca_kabuli_chr04	48661168	TT	CC	1940317808
SNP_P1_85572_48661268	NC_021163.1	Ca_kabuli_chr04	48661268	AA	GG	1940317810
SNP_P1_85573_48661270	NC_021163.1	Ca_kabuli_chr04	48661270	GG	AA	1940317812
SNP_P1_85574_48661428	NC_021163.1	Ca_kabuli_chr04	48661428	TT	AA	1940317813
SNP_P1_85575_48661493	NC_021163.1	Ca_kabuli_chr04	48661493	TT	AA	1940317815
SNP_P1_85576_48661673	NC_021163.1	Ca_kabuli_chr04	48661673	AA	GG	1940317817
SNP_P1_85580_48663557	NC_021163.1	Ca_kabuli_chr04	48663557	GG	AA	1940317818
SNP_P1_85582_48664853	NC_021163.1	Ca_kabuli_chr04	48664853	GG	AA	1940317820
SNP_P1_85583_48665225	NC_021163.1	Ca_kabuli_chr04	48665225	TT	CC	1940317822
SNP_P1_85584_48667231	NC_021163.1	Ca_kabuli_chr04	48667231	GG	AA	1940317824
SNP_P1_85585_48667659	NC_021163.1	Ca_kabuli_chr04	48667659	GG	AA	1940317825
SNP_P1_85586_48668728	NC_021163.1	Ca_kabuli_chr04	48668728	TT	CC	1940317828
SNP_P1_85587_48669020	NC_021163.1	Ca_kabuli_chr04	48669020	TT	CC	1940317829
SNP_P1_85588_48669052	NC_021163.1	Ca_kabuli_chr04	48669052	CC	TT	1940317831
SNP_P1_85589_48669262	NC_021163.1	Ca_kabuli_chr04	48669262	GG	AA	1940317833
SNP_P1_85590_48669460	NC_021163.1	Ca_kabuli_chr04	48669460	CC	TT	1940317834
SNP_P1_85591_48669470	NC_021163.1	Ca_kabuli_chr04	48669470	CC	TT	1940317836
SNP_P1_85592_48669733	NC_021163.1	Ca_kabuli_chr04	48669733	TT	AA	1940317838
SNP_P1_85593_48669761	NC_021163.1	Ca_kabuli_chr04	48669761	GG	TT	1940317839
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SNP_P1_85595_48669861	NC_021163.1	Ca_kabuli_chr04	48669861	GG	AA	1940317843
SNP_P1_85596_48670025	NC_021163.1	Ca_kabuli_chr04	48670025	AA	GG	1940317844
SNP_P1_85597_48670036	NC_021163.1	Ca_kabuli_chr04	48670036	AA	GG	1940317846
SNP_P1_85598_48670089	NC_021163.1	Ca_kabuli_chr04	48670089	CC	TT	1940317848
SNP_P1_85601_48670263	NC_021163.1	Ca_kabuli_chr04	48670263	TT	GG	1940317849
SNP_P1_85604_48670691	NC_021163.1	Ca_kabuli_chr04	48670691	GG	TT	1940317851
SNP_P1_85605_48670878	NC_021163.1	Ca_kabuli_chr04	48670878	CC	TT	1940317853
SNP_P1_85607_48671161	NC_021163.1	Ca_kabuli_chr04	48671161	AA	GG	1940317854
SNP_P1_85608_48671167	NC_021163.1	Ca_kabuli_chr04	48671167	TT	CC	1940317856
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SNP_P1_85610_48671625	NC_021163.1	Ca_kabuli_chr04	48671625	GG	TT	1940317859
SNP_P1_85611_48671652	NC_021163.1	Ca_kabuli_chr04	48671652	CC	GG	1940317861
SNP_P1_85612_48671654	NC_021163.1	Ca_kabuli_chr04	48671654	CC	AA	1940317863
SNP_P1_85613_48671863	NC_021163.1	Ca_kabuli_chr04	48671863	TT	CC	1940317864

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85616_48671997	NC_021163.1	Ca_kabuli_chr04	48671997	CC	TT	1940317870
SNP_P1_85617_48673009	NC_021163.1	Ca_kabuli_chr04	48673009	TT	AA	1940317871
SNP_P1_85618_48673322	NC_021163.1	Ca_kabuli_chr04	48673322	GG	AA	1940317873
SNP_P1_85619_48673481	NC_021163.1	Ca_kabuli_chr04	48673481	CC	AA	1940317875
SNP_P1_85620_48674883	NC_021163.1	Ca_kabuli_chr04	48674883	AA	GG	1940317876
SNP_P1_85621_48675225	NC_021163.1	Ca_kabuli_chr04	48675225	AA	TT	1940317878
SNP_P1_85623_48676361	NC_021163.1	Ca_kabuli_chr04	48676361	AA	GG	1940317880
SNP_P1_85625_48676559	NC_021163.1	Ca_kabuli_chr04	48676559	AA	CC	1940317881
SNP_P1_85626_48676820	NC_021163.1	Ca_kabuli_chr04	48676820	AA	TT	1940317883
SNP_P1_85627_48676855	NC_021163.1	Ca_kabuli_chr04	48676855	GG	TT	1940317885
SNP_P1_85628_48680998	NC_021163.1	Ca_kabuli_chr04	48680998	TT	CC	1940317886
SNP_P1_85629_48681151	NC_021163.1	Ca_kabuli_chr04	48681151	TT	CC	1940317888
SNP_P1_85630_48681508	NC_021163.1	Ca_kabuli_chr04	48681508	CC	TT	1940317890
SNP_P1_85631_48682571	NC_021163.1	Ca_kabuli_chr04	48682571	CC	TT	1940317891
SNP_P1_85633_48683689	NC_021163.1	Ca_kabuli_chr04	48683689	GG	AA	1940317893
SNP_P1_85634_48683966	NC_021163.1	Ca_kabuli_chr04	48683966	AA	TT	1940317895
SNP_P1_85635_48683991	NC_021163.1	Ca_kabuli_chr04	48683991	TT	AA	1940317896
SNP_P1_85636_48684355	NC_021163.1	Ca_kabuli_chr04	48684355	AA	GG	1940317898
SNP_P1_85637_48684392	NC_021163.1	Ca_kabuli_chr04	48684392	GG	TT	1940317900
SNP_P1_85638_48684567	NC_021163.1	Ca_kabuli_chr04	48684567	GG	AA	1940317901
SNP_P1_85639_48684611	NC_021163.1	Ca_kabuli_chr04	48684611	AA	TT	1940317903
SNP_P1_85640_48686281	NC_021163.1	Ca_kabuli_chr04	48686281	TT	CC	1940317905
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SNP_P1_85647_48691173	NC_021163.1	Ca_kabuli_chr04	48691173	GG	TT	1940317915
SNP_P1_85648_48691193	NC_021163.1	Ca_kabuli_chr04	48691193	TT	AA	1940317917
SNP_P1_85649_48691207	NC_021163.1	Ca_kabuli_chr04	48691207	TT	GG	1940317918
SNP_P1_85650_48691433	NC_021163.1	Ca_kabuli_chr04	48691433	CC	TT	1940317920
SNP_P1_85651_48691439	NC_021163.1	Ca_kabuli_chr04	48691439	TT	CC	1940317922
SNP_P1_85652_48691618	NC_021163.1	Ca_kabuli_chr04	48691618	GG	TT	1940317923
SNP_P1_85654_48692474	NC_021163.1	Ca_kabuli_chr04	48692474	TT	CC	1940317925
SNP_P1_85655_48692811	NC_021163.1	Ca_kabuli_chr04	48692811	CC	TT	1940317927
SNP_P1_85656_48692903	NC_021163.1	Ca_kabuli_chr04	48692903	CC	TT	1940317928
SNP_P1_85657_48693022	NC_021163.1	Ca_kabuli_chr04	48693022	AA	CC	1940317930
SNP_P1_85658_48693064	NC_021163.1	Ca_kabuli_chr04	48693064	AA	GG	1940317932
SNP_P1_85659_48693101	NC_021163.1	Ca_kabuli_chr04	48693101	AA	GG	1940317933
SNP_P1_85660_48693235	NC_021163.1	Ca_kabuli_chr04	48693235	CC	TT	1940317935

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85662_48693280	NC_021163.1	Ca_kabuli_chr04	48693280	CC	TT	1940317938
SNP_P1_85663_48693303	NC_021163.1	Ca_kabuli_chr04	48693303	AA	GG	1940317940
SNP_P1_85664_48693306	NC_021163.1	Ca_kabuli_chr04	48693306	AA	GG	1940317942
SNP_P1_85665_48693320	NC_021163.1	Ca_kabuli_chr04	48693320	AA	CC	1940317943
SNP_P1_85666_48693361	NC_021163.1	Ca_kabuli_chr04	48693361	TT	CC	1940317945
SNP_P1_85667_48693364	NC_021163.1	Ca_kabuli_chr04	48693364	TT	CC	1940317947
SNP_P1_85668_48693367	NC_021163.1	Ca_kabuli_chr04	48693367	AA	GG	1940317948
SNP_P1_85669_48693370	NC_021163.1	Ca_kabuli_chr04	48693370	GG	AA	1940317950
SNP_P1_85670_48693373	NC_021163.1	Ca_kabuli_chr04	48693373	GG	AA	1940317952
SNP_P1_85671_48693375	NC_021163.1	Ca_kabuli_chr04	48693375	GG	AA	1940317953
SNP_P1_85672_48693601	NC_021163.1	Ca_kabuli_chr04	48693601	CC	AA	1940317955
SNP_P1_85673_48693668	NC_021163.1	Ca_kabuli_chr04	48693668	TT	GG	1940317957
SNP_P1_85674_48693671	NC_021163.1	Ca_kabuli_chr04	48693671	GG	TT	1940317958
SNP_P1_85675_48695362	NC_021163.1	Ca_kabuli_chr04	48695362	AA	GG	1940317960
SNP_P1_85676_48696116	NC_021163.1	Ca_kabuli_chr04	48696116	CC	AA	1940317962
SNP_P1_85677_48696160	NC_021163.1	Ca_kabuli_chr04	48696160	GG	TT	1940317963
SNP_P1_85678_48697672	NC_021163.1	Ca_kabuli_chr04	48697672	TT	CC	1940317965
SNP_P1_85679_48697675	NC_021163.1	Ca_kabuli_chr04	48697675	AA	GG	1940317967
SNP_P1_85680_48697680	NC_021163.1	Ca_kabuli_chr04	48697680	TT	CC	1940317968
SNP_P1_85681_48697689	NC_021163.1	Ca_kabuli_chr04	48697689	TT	GG	1940317970
SNP_P1_85682_48697745	NC_021163.1	Ca_kabuli_chr04	48697745	AA	GG	1940317972
SNP_P1_85683_48697751	NC_021163.1	Ca_kabuli_chr04	48697751	TT	CC	1940317973
SNP_P1_85684_48698005	NC_021163.1	Ca_kabuli_chr04	48698005	AA	GG	1940317975
SNP_P1_85685_48698006	NC_021163.1	Ca_kabuli_chr04	48698006	AA	GG	1940317977
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SNP_P1_85687_48701090	NC_021163.1	Ca_kabuli_chr04	48701090	CC	TT	1940317980
SNP_P1_85688_48701125	NC_021163.1	Ca_kabuli_chr04	48701125	AA	GG	1940317982
SNP_P1_85689_48701163	NC_021163.1	Ca_kabuli_chr04	48701163	AA	GG	1940317983
SNP_P1_85690_48701400	NC_021163.1	Ca_kabuli_chr04	48701400	AA	CC	1940317985
SNP_P1_85691_48702807	NC_021163.1	Ca_kabuli_chr04	48702807	CC	TT	1940317987
SNP_P1_85692_48706437	NC_021163.1	Ca_kabuli_chr04	48706437	GG	AA	1940317988
SNP_P1_85693_48708364	NC_021163.1	Ca_kabuli_chr04	48708364	GG	AA	1940317990
SNP_P1_85695_48711790	NC_021163.1	Ca_kabuli_chr04	48711790	TT	CC	1940317992
SNP_P1_85697_48713809	NC_021163.1	Ca_kabuli_chr04	48713809	AA	GG	1940317994
SNP_P1_85698_48717523	NC_021163.1	Ca_kabuli_chr04	48717523	TT	AA	1940317995
SNP_P1_85699_48718121	NC_021163.1	Ca_kabuli_chr04	48718121	AA	GG	1940317997
SNP_P1_85700_48719298	NC_021163.1	Ca_kabuli_chr04	48719298	TT	AA	1940317999
SNP_P1_85702_48719348	NC_021163.1	Ca_kabuli_chr04	48719348	TT	CC	1940318000
SNP_P1_85703_48719860	NC_021163.1	Ca_kabuli_chr04	48719860	GG	AA	1940318002
SNP_P1_85704_48719951	NC_021163.1	Ca_kabuli_chr04	48719951	GG	TT	1940318004
SNP_P1_85705_48720031	NC_021163.1	Ca_kabuli_chr04	48720031	GG	AA	1940318005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85708_48722092	NC_021163.1	Ca_kabuli_chr04	48722092	TT	CC	1940318010
SNP_P1_85709_48722539	NC_021163.1	Ca_kabuli_chr04	48722539	AA	TT	1940318012
SNP_P1_85710_48722850	NC_021163.1	Ca_kabuli_chr04	48722850	TT	CC	1940318014
SNP_P1_85711_48722874	NC_021163.1	Ca_kabuli_chr04	48722874	AA	GG	1940318015
SNP_P1_85712_48723299	NC_021163.1	Ca_kabuli_chr04	48723299	GG	AA	1940318017
SNP_P1_85713_48723358	NC_021163.1	Ca_kabuli_chr04	48723358	TT	GG	1940318019
SNP_P1_85714_48723727	NC_021163.1	Ca_kabuli_chr04	48723727	AA	TT	1940318020
SNP_P1_85715_48723745	NC_021163.1	Ca_kabuli_chr04	48723745	GG	AA	1940318022
SNP_P1_85716_48723914	NC_021163.1	Ca_kabuli_chr04	48723914	CC	AA	1940318024
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SNP_P1_85719_48724810	NC_021163.1	Ca_kabuli_chr04	48724810	TT	CC	1940318029
SNP_P1_85720_48725084	NC_021163.1	Ca_kabuli_chr04	48725084	GG	AA	1940318030
SNP_P1_85721_48725637	NC_021163.1	Ca_kabuli_chr04	48725637	AA	GG	1940318032
SNP_P1_85722_48725723	NC_021163.1	Ca_kabuli_chr04	48725723	TT	GG	1940318034
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SNP_P1_85726_48725890	NC_021163.1	Ca_kabuli_chr04	48725890	AA	GG	1940318040
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SNP_P1_85735_48740475	NC_021163.1	Ca_kabuli_chr04	48740475	AA	GG	1940318054
SNP_P1_85736_48740476	NC_021163.1	Ca_kabuli_chr04	48740476	GG	AA	1940318055
SNP_P1_85737_48740604	NC_021163.1	Ca_kabuli_chr04	48740604	TT	AA	1940318057
SNP_P1_85738_48740620	NC_021163.1	Ca_kabuli_chr04	48740620	CC	TT	1940318059
SNP_P1_85740_48741853	NC_021163.1	Ca_kabuli_chr04	48741853	GG	AA	1940318060
SNP_P1_85741_48742396	NC_021163.1	Ca_kabuli_chr04	48742396	GG	AA	1940318062
SNP_P1_85742_48742455	NC_021163.1	Ca_kabuli_chr04	48742455	TT	CC	1940318064
SNP_P1_85743_48742465	NC_021163.1	Ca_kabuli_chr04	48742465	GG	CC	1940318066
SNP_P1_85744_48742500	NC_021163.1	Ca_kabuli_chr04	48742500	GG	CC	1940318067
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SNP_P1_85746_48743696	NC_021163.1	Ca_kabuli_chr04	48743696	AA	CC	1940318071
SNP_P1_85747_48743722	NC_021163.1	Ca_kabuli_chr04	48743722	AA	GG	1940318072
SNP_P1_85748_48743993	NC_021163.1	Ca_kabuli_chr04	48743993	TT	AA	1940318074
SNP_P1_85749_48744029	NC_021163.1	Ca_kabuli_chr04	48744029	TT	GG	1940318076

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85753_48755059	NC_021163.1	Ca_kabuli_chr04	48755059	AA	GG	1940318081
SNP_P1_85754_48755108	NC_021163.1	Ca_kabuli_chr04	48755108	AA	GG	1940318082
SNP_P1_85755_48755374	NC_021163.1	Ca_kabuli_chr04	48755374	GG	AA	1940318084
SNP_P1_85756_48757018	NC_021163.1	Ca_kabuli_chr04	48757018	AA	TT	1940318086
SNP_P1_85757_48757019	NC_021163.1	Ca_kabuli_chr04	48757019	AA	GG	1940318087
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SNP_P1_85760_48758501	NC_021163.1	Ca_kabuli_chr04	48758501	GG	AA	1940318092
SNP_P1_85761_48758516	NC_021163.1	Ca_kabuli_chr04	48758516	GG	TT	1940318094
SNP_P1_85762_48758593	NC_021163.1	Ca_kabuli_chr04	48758593	AA	GG	1940318096
SNP_P1_85763_48758612	NC_021163.1	Ca_kabuli_chr04	48758612	AA	TT	1940318097
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SNP_P1_85766_48759050	NC_021163.1	Ca_kabuli_chr04	48759050	TT	AA	1940318101
SNP_P1_85767_48759465	NC_021163.1	Ca_kabuli_chr04	48759465	AA	TT	1940318102
SNP_P1_85768_48759487	NC_021163.1	Ca_kabuli_chr04	48759487	AA	CC	1940318104
SNP_P1_85769_48759489	NC_021163.1	Ca_kabuli_chr04	48759489	AA	GG	1940318106
SNP_P1_85770_48759518	NC_021163.1	Ca_kabuli_chr04	48759518	AA	TT	1940318107
SNP_P1_85771_48759651	NC_021163.1	Ca_kabuli_chr04	48759651	AA	CC	1940318109
SNP_P1_85772_48760181	NC_021163.1	Ca_kabuli_chr04	48760181	AA	GG	1940318111
SNP_P1_85773_48760624	NC_021163.1	Ca_kabuli_chr04	48760624	CC	AA	1940318112
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SNP_P1_85775_48760880	NC_021163.1	Ca_kabuli_chr04	48760880	CC	AA	1940318116
SNP_P1_85776_48760900	NC_021163.1	Ca_kabuli_chr04	48760900	GG	AA	1940318117
SNP_P1_85777_48760983	NC_021163.1	Ca_kabuli_chr04	48760983	AA	GG	1940318119
SNP_P1_85780_48767559	NC_021163.1	Ca_kabuli_chr04	48767559	TT	GG	1940318121
SNP_P1_85781_48767615	NC_021163.1	Ca_kabuli_chr04	48767615	CC	TT	1940318122
SNP_P1_85782_48767632	NC_021163.1	Ca_kabuli_chr04	48767632	GG	AA	1940318124
SNP_P1_85783_48768524	NC_021163.1	Ca_kabuli_chr04	48768524	CC	TT	1940318126
SNP_P1_85784_48768536	NC_021163.1	Ca_kabuli_chr04	48768536	CC	AA	1940318127
SNP_P1_85785_48768538	NC_021163.1	Ca_kabuli_chr04	48768538	CC	TT	1940318129
SNP_P1_85786_48768539	NC_021163.1	Ca_kabuli_chr04	48768539	TT	CC	1940318131
SNP_P1_85787_48769090	NC_021163.1	Ca_kabuli_chr04	48769090	GG	AA	1940318133
SNP_P1_85788_48769106	NC_021163.1	Ca_kabuli_chr04	48769106	CC	TT	1940318134
SNP_P1_85789_48769107	NC_021163.1	Ca_kabuli_chr04	48769107	AA	GG	1940318136
SNP_P1_85792_48772144	NC_021163.1	Ca_kabuli_chr04	48772144	AA	CC	1940318138
SNP_P1_85793_48772357	NC_021163.1	Ca_kabuli_chr04	48772357	AA	GG	1940318139
SNP_P1_85794_48772398	NC_021163.1	Ca_kabuli_chr04	48772398	AA	GG	1940318141
SNP_P1_85796_48772729	NC_021163.1	Ca_kabuli_chr04	48772729	TT	CC	1940318143
SNP_P1_85797_48772748	NC_021163.1	Ca_kabuli_chr04	48772748	AA	TT	1940318144
SNP_P1_85799_48773849	NC_021163.1	Ca_kabuli_chr04	48773849	AA	TT	1940318146

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85801_48774576	NC_021163.1	Ca_kabuli_chr04	48774576	GG	AA	1940318149
SNP_P1_85802_48774647	NC_021163.1	Ca_kabuli_chr04	48774647	GG	CC	1940318151
SNP_P1_85803_48774663	NC_021163.1	Ca_kabuli_chr04	48774663	TT	AA	1940318153
SNP_P1_85804_48774665	NC_021163.1	Ca_kabuli_chr04	48774665	AA	GG	1940318154
SNP_P1_85805_48774666	NC_021163.1	Ca_kabuli_chr04	48774666	GG	AA	1940318156
SNP_P1_85806_48774698	NC_021163.1	Ca_kabuli_chr04	48774698	AA	GG	1940318158
SNP_P1_85809_48779389	NC_021163.1	Ca_kabuli_chr04	48779389	TT	CC	1940318159
SNP_P1_85810_48779803	NC_021163.1	Ca_kabuli_chr04	48779803	AA	GG	1940318161
SNP_P1_85811_48779806	NC_021163.1	Ca_kabuli_chr04	48779806	CC	AA	1940318163
SNP_P1_85813_48781307	NC_021163.1	Ca_kabuli_chr04	48781307	GG	AA	1940318164
SNP_P1_85814_48782723	NC_021163.1	Ca_kabuli_chr04	48782723	CC	TT	1940318166
SNP_P1_85815_48782990	NC_021163.1	Ca_kabuli_chr04	48782990	TT	CC	1940318168
SNP_P1_85816_48783030	NC_021163.1	Ca_kabuli_chr04	48783030	TT	CC	1940318169
SNP_P1_85817_48783051	NC_021163.1	Ca_kabuli_chr04	48783051	TT	CC	1940318171
SNP_P1_85818_48783062	NC_021163.1	Ca_kabuli_chr04	48783062	TT	CC	1940318173
SNP_P1_85819_48783094	NC_021163.1	Ca_kabuli_chr04	48783094	GG	TT	1940318174
SNP_P1_85820_48783209	NC_021163.1	Ca_kabuli_chr04	48783209	AA	TT	1940318176
SNP_P1_85821_48783211	NC_021163.1	Ca_kabuli_chr04	48783211	GG	CC	1940318178
SNP_P1_85822_48783219	NC_021163.1	Ca_kabuli_chr04	48783219	CC	TT	1940318179
SNP_P1_85823_48784151	NC_021163.1	Ca_kabuli_chr04	48784151	TT	GG	1940318181
SNP_P1_85824_48786631	NC_021163.1	Ca_kabuli_chr04	48786631	TT	CC	1940318183
SNP_P1_85826_48786655	NC_021163.1	Ca_kabuli_chr04	48786655	CC	TT	1940318184
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SNP_P1_85828_48786835	NC_021163.1	Ca_kabuli_chr04	48786835	CC	TT	1940318188
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SNP_P1_85831_48786950	NC_021163.1	Ca_kabuli_chr04	48786950	CC	TT	1940318193
SNP_P1_85832_48788838	NC_021163.1	Ca_kabuli_chr04	48788838	GG	TT	1940318194
SNP_P1_85833_48788881	NC_021163.1	Ca_kabuli_chr04	48788881	GG	AA	1940318196
SNP_P1_85834_48789249	NC_021163.1	Ca_kabuli_chr04	48789249	TT	CC	1940318198
SNP_P1_85836_48789286	NC_021163.1	Ca_kabuli_chr04	48789286	GG	AA	1940318199
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SNP_P1_85838_48789555	NC_021163.1	Ca_kabuli_chr04	48789555	TT	GG	1940318203
SNP_P1_85839_48789618	NC_021163.1	Ca_kabuli_chr04	48789618	AA	GG	1940318205
SNP_P1_85840_48789932	NC_021163.1	Ca_kabuli_chr04	48789932	GG	CC	1940318206
SNP_P1_85841_48790387	NC_021163.1	Ca_kabuli_chr04	48790387	GG	AA	1940318208
SNP_P1_85842_48790405	NC_021163.1	Ca_kabuli_chr04	48790405	TT	CC	1940318210
SNP_P1_85843_48790552	NC_021163.1	Ca_kabuli_chr04	48790552	CC	TT	1940318211
SNP_P1_85844_48790712	NC_021163.1	Ca_kabuli_chr04	48790712	CC	AA	1940318213
SNP_P1_85845_48790862	NC_021163.1	Ca_kabuli_chr04	48790862	CC	TT	1940318215
SNP_P1_85846_48791269	NC_021163.1	Ca_kabuli_chr04	48791269	GG	AA	1940318216

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85851_48792049	NC_021163.1	Ca_kabuli_chr04	48792049	AA	CC	1940318221
SNP_P1_85853_48792561	NC_021163.1	Ca_kabuli_chr04	48792561	GG	AA	1940318223
SNP_P1_85854_48793421	NC_021163.1	Ca_kabuli_chr04	48793421	AA	GG	1940318225
SNP_P1_85855_48793469	NC_021163.1	Ca_kabuli_chr04	48793469	TT	CC	1940318226
SNP_P1_85857_48793817	NC_021163.1	Ca_kabuli_chr04	48793817	GG	AA	1940318228
SNP_P1_85858_48793821	NC_021163.1	Ca_kabuli_chr04	48793821	GG	AA	1940318230
SNP_P1_85859_48794407	NC_021163.1	Ca_kabuli_chr04	48794407	GG	TT	1940318231
SNP_P1_85860_48794699	NC_021163.1	Ca_kabuli_chr04	48794699	CC	AA	1940318233
SNP_P1_85861_48794756	NC_021163.1	Ca_kabuli_chr04	48794756	TT	CC	1940318235
SNP_P1_85862_48795660	NC_021163.1	Ca_kabuli_chr04	48795660	AA	CC	1940318236
SNP_P1_85863_48795712	NC_021163.1	Ca_kabuli_chr04	48795712	CC	TT	1940318238
SNP_P1_85864_48796126	NC_021163.1	Ca_kabuli_chr04	48796126	CC	TT	1940318240
SNP_P1_85865_48796347	NC_021163.1	Ca_kabuli_chr04	48796347	GG	TT	1940318241
SNP_P1_85866_48796356	NC_021163.1	Ca_kabuli_chr04	48796356	AA	GG	1940318243
SNP_P1_85867_48796373	NC_021163.1	Ca_kabuli_chr04	48796373	TT	GG	1940318245
SNP_P1_85868_48797137	NC_021163.1	Ca_kabuli_chr04	48797137	TT	AA	1940318246
SNP_P1_85869_48798442	NC_021163.1	Ca_kabuli_chr04	48798442	AA	CC	1940318248
SNP_P1_85870_48798668	NC_021163.1	Ca_kabuli_chr04	48798668	GG	AA	1940318250
SNP_P1_85871_48798849	NC_021163.1	Ca_kabuli_chr04	48798849	TT	CC	1940318251
SNP_P1_85872_48798921	NC_021163.1	Ca_kabuli_chr04	48798921	CC	AA	1940318253
SNP_P1_85873_48799415	NC_021163.1	Ca_kabuli_chr04	48799415	TT	AA	1940318255
SNP_P1_85874_48799747	NC_021163.1	Ca_kabuli_chr04	48799747	AA	GG	1940318256
SNP_P1_85875_48799905	NC_021163.1	Ca_kabuli_chr04	48799905	AA	GG	1940318258
SNP_P1_85876_48800287	NC_021163.1	Ca_kabuli_chr04	48800287	AA	GG	1940318260
SNP_P1_85877_48800577	NC_021163.1	Ca_kabuli_chr04	48800577	CC	TT	1940318262
SNP_P1_85878_48801030	NC_021163.1	Ca_kabuli_chr04	48801030	TT	GG	1940318263
SNP_P1_85879_48801068	NC_021163.1	Ca_kabuli_chr04	48801068	GG	AA	1940318265
SNP_P1_85880_48802151	NC_021163.1	Ca_kabuli_chr04	48802151	AA	GG	1940318267
SNP_P1_85881_48809005	NC_021163.1	Ca_kabuli_chr04	48809005	TT	AA	1940318268
SNP_P1_85882_48809206	NC_021163.1	Ca_kabuli_chr04	48809206	TT	CC	1940318270
SNP_P1_85883_48809340	NC_021163.1	Ca_kabuli_chr04	48809340	CC	TT	1940318272
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SNP_P1_85887_48812916	NC_021163.1	Ca_kabuli_chr04	48812916	TT	CC	1940318277
SNP_P1_85888_48813762	NC_021163.1	Ca_kabuli_chr04	48813762	GG	CC	1940318278
SNP_P1_85889_48814146	NC_021163.1	Ca_kabuli_chr04	48814146	CC	TT	1940318280
SNP_P1_85890_48814166	NC_021163.1	Ca_kabuli_chr04	48814166	TT	CC	1940318282
SNP_P1_85891_48814235	NC_021163.1	Ca_kabuli_chr04	48814235	GG	AA	1940318283
SNP_P1_85892_48814610	NC_021163.1	Ca_kabuli_chr04	48814610	AA	GG	1940318285
SNP_P1_85893_48814637	NC_021163.1	Ca_kabuli_chr04	48814637	GG	AA	1940318287

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85897_48815973	NC_021163.1	Ca_kabuli_chr04	48815973	CC	AA	1940318292
SNP_P1_85898_48815983	NC_021163.1	Ca_kabuli_chr04	48815983	CC	TT	1940318293
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SNP_P1_85900_48817637	NC_021163.1	Ca_kabuli_chr04	48817637	CC	TT	1940318297
SNP_P1_85901_48817647	NC_021163.1	Ca_kabuli_chr04	48817647	CC	TT	1940318298
SNP_P1_85902_48818864	NC_021163.1	Ca_kabuli_chr04	48818864	GG	AA	1940318300
SNP_P1_85903_48820086	NC_021163.1	Ca_kabuli_chr04	48820086	TT	CC	1940318302
SNP_P1_85904_48820089	NC_021163.1	Ca_kabuli_chr04	48820089	AA	GG	1940318303
SNP_P1_85905_48820386	NC_021163.1	Ca_kabuli_chr04	48820386	AA	CC	1940318305
SNP_P1_85906_48825224	NC_021163.1	Ca_kabuli_chr04	48825224	CC	TT	1940318307
SNP_P1_85908_48825500	NC_021163.1	Ca_kabuli_chr04	48825500	AA	TT	1940318308
SNP_P1_85909_48825511	NC_021163.1	Ca_kabuli_chr04	48825511	GG	AA	1940318310
SNP_P1_85910_48825866	NC_021163.1	Ca_kabuli_chr04	48825866	AA	TT	1940318312
SNP_P1_85912_48827339	NC_021163.1	Ca_kabuli_chr04	48827339	TT	CC	1940318313
SNP_P1_85914_48830133	NC_021163.1	Ca_kabuli_chr04	48830133	GG	CC	1940318315
SNP_P1_85915_48830427	NC_021163.1	Ca_kabuli_chr04	48830427	TT	AA	1940318317
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SNP_P1_85919_48831580	NC_021163.1	Ca_kabuli_chr04	48831580	CC	GG	1940318320
SNP_P1_85920_48831597	NC_021163.1	Ca_kabuli_chr04	48831597	TT	GG	1940318322
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SNP_P1_85922_48831626	NC_021163.1	Ca_kabuli_chr04	48831626	TT	CC	1940318325
SNP_P1_85923_48831635	NC_021163.1	Ca_kabuli_chr04	48831635	AA	TT	1940318327
SNP_P1_85924_48831681	NC_021163.1	Ca_kabuli_chr04	48831681	AA	GG	1940318328
SNP_P1_85925_48831685	NC_021163.1	Ca_kabuli_chr04	48831685	GG	TT	1940318330
SNP_P1_85926_48831919	NC_021163.1	Ca_kabuli_chr04	48831919	GG	TT	1940318332
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SNP_P1_85928_48833744	NC_021163.1	Ca_kabuli_chr04	48833744	TT	AA	1940318335
SNP_P1_85930_48836503	NC_021163.1	Ca_kabuli_chr04	48836503	CC	TT	1940318337
SNP_P1_85931_48837010	NC_021163.1	Ca_kabuli_chr04	48837010	TT	CC	1940318338
SNP_P1_85932_48837022	NC_021163.1	Ca_kabuli_chr04	48837022	CC	GG	1940318340
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SNP_P1_85935_48837440	NC_021163.1	Ca_kabuli_chr04	48837440	GG	AA	1940318345
SNP_P1_85936_48844785	NC_021163.1	Ca_kabuli_chr04	48844785	TT	AA	1940318347
SNP_P1_85937_48845993	NC_021163.1	Ca_kabuli_chr04	48845993	CC	TT	1940318349
SNP_P1_85938_48846301	NC_021163.1	Ca_kabuli_chr04	48846301	CC	TT	1940318350
SNP_P1_85939_48846670	NC_021163.1	Ca_kabuli_chr04	48846670	GG	AA	1940318352
SNP_P1_85940_48846728	NC_021163.1	Ca_kabuli_chr04	48846728	TT	CC	1940318354
SNP_P1_85942_48847261	NC_021163.1	Ca_kabuli_chr04	48847261	TT	AA	1940318355
SNP_P1_85943_48847873	NC_021163.1	Ca_kabuli_chr04	48847873	CC	TT	1940318357

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_85946_48848229	NC_021163.1	Ca_kabuli_chr04	48848229	CC	TT	1940318362
SNP_P1_85947_48849718	NC_021163.1	Ca_kabuli_chr04	48849718	AA	GG	1940318364
SNP_P1_85948_48849767	NC_021163.1	Ca_kabuli_chr04	48849767	AA	GG	1940318365
SNP_P1_85949_48850011	NC_021163.1	Ca_kabuli_chr04	48850011	CC	TT	1940318367
SNP_P1_85951_48850064	NC_021163.1	Ca_kabuli_chr04	48850064	GG	TT	1940318369
SNP_P1_85952_48850093	NC_021163.1	Ca_kabuli_chr04	48850093	AA	GG	1940318370
SNP_P1_85953_48850351	NC_021163.1	Ca_kabuli_chr04	48850351	AA	GG	1940318372
SNP_P1_85954_48878101	NC_021163.1	Ca_kabuli_chr04	48878101	GG	TT	1940318374
SNP_P1_85955_48878545	NC_021163.1	Ca_kabuli_chr04	48878545	AA	TT	1940318375
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SNP_P1_85959_48879970	NC_021163.1	Ca_kabuli_chr04	48879970	AA	GG	1940318382
SNP_P1_85960_48880209	NC_021163.1	Ca_kabuli_chr04	48880209	AA	GG	1940318384
SNP_P1_85961_48881680	NC_021163.1	Ca_kabuli_chr04	48881680	CC	GG	1940318385
SNP_P1_85962_48884800	NC_021163.1	Ca_kabuli_chr04	48884800	GG	AA	1940318387
SNP_P1_85963_48884825	NC_021163.1	Ca_kabuli_chr04	48884825	TT	GG	1940318389
SNP_P1_85964_48884858	NC_021163.1	Ca_kabuli_chr04	48884858	GG	AA	1940318390
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SNP_P1_85968_48902978	NC_021163.1	Ca_kabuli_chr04	48902978	TT	CC	1940318397
SNP_P1_85969_48905989	NC_021163.1	Ca_kabuli_chr04	48905989	AA	GG	1940318399
SNP_P1_85970_48906066	NC_021163.1	Ca_kabuli_chr04	48906066	GG	AA	1940318400
SNP_P1_85972_48906235	NC_021163.1	Ca_kabuli_chr04	48906235	AA	CC	1940318402
SNP_P1_85973_48906398	NC_021163.1	Ca_kabuli_chr04	48906398	GG	CC	1940318404
SNP_P1_85974_48909082	NC_021163.1	Ca_kabuli_chr04	48909082	AA	GG	1940318405
SNP_P1_85975_48916601	NC_021163.1	Ca_kabuli_chr04	48916601	TT	GG	1940318407
SNP_P1_85976_48923967	NC_021163.1	Ca_kabuli_chr04	48923967	TT	AA	1940318409
SNP_P1_85977_48925689	NC_021163.1	Ca_kabuli_chr04	48925689	AA	GG	1940318410
SNP_P1_85978_48926406	NC_021163.1	Ca_kabuli_chr04	48926406	AA	GG	1940318412
SNP_P1_85979_48932833	NC_021163.1	Ca_kabuli_chr04	48932833	GG	AA	1940318414
SNP_P1_85981_48950341	NC_021163.1	Ca_kabuli_chr04	48950341	TT	CC	1940318415
SNP_P1_85982_48950948	NC_021163.1	Ca_kabuli_chr04	48950948	GG	AA	1940318417
SNP_P1_85983_48958405	NC_021163.1	Ca_kabuli_chr04	48958405	AA	GG	1940318419
SNP_P1_85984_48974987	NC_021163.1	Ca_kabuli_chr04	48974987	TT	CC	1940318421
SNP_P1_85985_48974997	NC_021163.1	Ca_kabuli_chr04	48974997	CC	TT	1940318422
SNP_P1_85986_48975026	NC_021163.1	Ca_kabuli_chr04	48975026	AA	GG	1940318424
SNP_P1_85987_48975030	NC_021163.1	Ca_kabuli_chr04	48975030	AA	GG	1940318426
SNP_P1_85988_48975084	NC_021163.1	Ca_kabuli_chr04	48975084	GG	AA	1940318427

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_85989_48975099	NC_021163.1	Ca_kabuli_chr04	48975099	GG	AA	1940318429
SNP_P1_85990_48975118	NC_021163.1	Ca_kabuli_chr04	48975118	GG	TT	1940318431
SNP_P1_85991_48975123	NC_021163.1	Ca_kabuli_chr04	48975123	GG	AA	1940318432
SNP_P1_85993_48975423	NC_021163.1	Ca_kabuli_chr04	48975423	TT	GG	1940318434
SNP_P1_85994_48975932	NC_021163.1	Ca_kabuli_chr04	48975932	TT	AA	1940318436
SNP_P1_85996_49000060	NC_021163.1	Ca_kabuli_chr04	49000060	AA	CC	1940318437
SNP_P1_85997_49002705	NC_021163.1	Ca_kabuli_chr04	49002705	CC	TT	1940318439
SNP_P1_85999_49012310	NC_021163.1	Ca_kabuli_chr04	49012310	GG	AA	1940318441
SNP_P1_86000_49024739	NC_021163.1	Ca_kabuli_chr04	49024739	GG	AA	1940318442
SNP_P1_86001_49027482	NC_021163.1	Ca_kabuli_chr04	49027482	AA	GG	1940318444
SNP_P1_86002_49043513	NC_021163.1	Ca_kabuli_chr04	49043513	AA	CC	1940318446
SNP_P1_86003_49043515	NC_021163.1	Ca_kabuli_chr04	49043515	AA	TT	1940318447
SNP_P1_86004_49049614	NC_021163.1	Ca_kabuli_chr04	49049614	AA	GG	1940318449
SNP_P1_86009_49074675	NC_021163.1	Ca_kabuli_chr04	49074675	TT	AA	1940318451
SNP_P1_86010_49078059	NC_021163.1	Ca_kabuli_chr04	49078059	AA	TT	1940318452
SNP_P1_86011_49086641	NC_021163.1	Ca_kabuli_chr04	49086641	AA	GG	1940318454
SNP_P1_86012_49097931	NC_021163.1	Ca_kabuli_chr04	49097931	AA	GG	1940318456
SNP_P1_86013_49097933	NC_021163.1	Ca_kabuli_chr04	49097933	AA	CC	1940318457
SNP_P1_86014_49107667	NC_021163.1	Ca_kabuli_chr04	49107667	AA	CC	1940318459
SNP_P1_86015_49115446	NC_021163.1	Ca_kabuli_chr04	49115446	TT	AA	1940318461
SNP_P1_86016_49115502	NC_021163.1	Ca_kabuli_chr04	49115502	AA	CC	1940318462
SNP_P1_86017_49115516	NC_021163.1	Ca_kabuli_chr04	49115516	GG	AA	1940318464
SNP_P1_86018_49125072	NC_021163.1	Ca_kabuli_chr04	49125072	CC	TT	1940318466
SNP_P1_86020_49135659	NC_021163.1	Ca_kabuli_chr04	49135659	CC	TT	1940318467
SNP_P1_86024_49161217	NC_021163.1	Ca_kabuli_chr04	49161217	TT	CC	1940318469
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SNP_P1_86026_49168775	NC_021163.1	Ca_kabuli_chr04	49168775	GG	TT	1940318472
SNP_P1_86027_49169803	NC_021163.1	Ca_kabuli_chr04	49169803	TT	GG	1940318474
SNP_P1_86028_49169815	NC_021163.1	Ca_kabuli_chr04	49169815	TT	CC	1940318476
SNP_P1_86029_49179162	NC_021163.1	Ca_kabuli_chr04	49179162	TT	GG	1940318477
SNP_P1_86030_44701	NC_021164.1	Ca_kabuli_chr05	44701	TT	CC	1940318479
SNP_P1_86031_44722	NC_021164.1	Ca_kabuli_chr05	44722	AA	CC	1940318481
SNP_P1_86032_44883	NC_021164.1	Ca_kabuli_chr05	44883	GG	AA	1940318482
SNP_P1_86033_44889	NC_021164.1	Ca_kabuli_chr05	44889	TT	CC	1940318484
SNP_P1_86034_45198	NC_021164.1	Ca_kabuli_chr05	45198	CC	AA	1940318486
SNP_P1_86035_50507	NC_021164.1	Ca_kabuli_chr05	50507	TT	AA	1940318487
SNP_P1_86036_56588	NC_021164.1	Ca_kabuli_chr05	56588	TT	CC	1940318489
SNP_P1_86037_56911	NC_021164.1	Ca_kabuli_chr05	56911	GG	AA	1940318491
SNP_P1_86038_73654	NC_021164.1	Ca_kabuli_chr05	73654	TT	AA	1940318492
SNP_P1_86039_76223	NC_021164.1	Ca_kabuli_chr05	76223	TT	CC	1940318494
SNP_P1_86040_93259	NC_021164.1	Ca_kabuli_chr05	93259	GG	AA	1940318496
SNP_P1_86041_96455	NC_021164.1	Ca_kabuli_chr05	96455	GG	AA	1940318497

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86044_100762	NC_021164.1	Ca_kabuli_chr05	100762	AA	GG	1940318501
SNP_P1_86045_100770	NC_021164.1	Ca_kabuli_chr05	100770	TT	GG	1940318502
SNP_P1_86046_100797	NC_021164.1	Ca_kabuli_chr05	100797	AA	CC	1940318504
SNP_P1_86047_100806	NC_021164.1	Ca_kabuli_chr05	100806	CC	AA	1940318506
SNP_P1_86048_101170	NC_021164.1	Ca_kabuli_chr05	101170	AA	GG	1940318508
SNP_P1_86049_106024	NC_021164.1	Ca_kabuli_chr05	106024	GG	AA	1940318509
SNP_P1_86052_132205	NC_021164.1	Ca_kabuli_chr05	132205	AA	GG	1940318511
SNP_P1_86056_133441	NC_021164.1	Ca_kabuli_chr05	133441	TT	CC	1940318513
SNP_P1_86057_133692	NC_021164.1	Ca_kabuli_chr05	133692	AA	TT	1940318514
SNP_P1_86058_133717	NC_021164.1	Ca_kabuli_chr05	133717	CC	TT	1940318516
SNP_P1_86059_133830	NC_021164.1	Ca_kabuli_chr05	133830	CC	TT	1940318518
SNP_P1_86064_134128	NC_021164.1	Ca_kabuli_chr05	134128	TT	CC	1940318519
SNP_P1_86065_134320	NC_021164.1	Ca_kabuli_chr05	134320	TT	CC	1940318521
SNP_P1_86066_134384	NC_021164.1	Ca_kabuli_chr05	134384	TT	AA	1940318523
SNP_P1_86067_134392	NC_021164.1	Ca_kabuli_chr05	134392	GG	AA	1940318524
SNP_P1_86068_134435	NC_021164.1	Ca_kabuli_chr05	134435	CC	TT	1940318526
SNP_P1_86069_134450	NC_021164.1	Ca_kabuli_chr05	134450	AA	GG	1940318528
SNP_P1_86070_134487	NC_021164.1	Ca_kabuli_chr05	134487	CC	AA	1940318529
SNP_P1_86071_134710	NC_021164.1	Ca_kabuli_chr05	134710	TT	AA	1940318531
SNP_P1_86072_134778	NC_021164.1	Ca_kabuli_chr05	134778	AA	GG	1940318533
SNP_P1_86073_134913	NC_021164.1	Ca_kabuli_chr05	134913	GG	AA	1940318534
SNP_P1_86074_135685	NC_021164.1	Ca_kabuli_chr05	135685	GG	AA	1940318536
SNP_P1_86076_138182	NC_021164.1	Ca_kabuli_chr05	138182	TT	CC	1940318538
SNP_P1_86078_141471	NC_021164.1	Ca_kabuli_chr05	141471	AA	GG	1940318539
SNP_P1_86079_141473	NC_021164.1	Ca_kabuli_chr05	141473	AA	GG	1940318541
SNP_P1_86080_144317	NC_021164.1	Ca_kabuli_chr05	144317	CC	AA	1940318543
SNP_P1_86082_146038	NC_021164.1	Ca_kabuli_chr05	146038	TT	CC	1940318544
SNP_P1_86084_146543	NC_021164.1	Ca_kabuli_chr05	146543	AA	GG	1940318546
SNP_P1_86086_146714	NC_021164.1	Ca_kabuli_chr05	146714	GG	AA	1940318548
SNP_P1_86087_146875	NC_021164.1	Ca_kabuli_chr05	146875	TT	AA	1940318549
SNP_P1_86088_146876	NC_021164.1	Ca_kabuli_chr05	146876	TT	AA	1940318551
SNP_P1_86089_146881	NC_021164.1	Ca_kabuli_chr05	146881	CC	TT	1940318553
SNP_P1_86090_146908	NC_021164.1	Ca_kabuli_chr05	146908	TT	CC	1940318554
SNP_P1_86091_150004	NC_021164.1	Ca_kabuli_chr05	150004	CC	TT	1940318556
SNP_P1_86093_153893	NC_021164.1	Ca_kabuli_chr05	153893	CC	GG	1940318558
SNP_P1_86094_153899	NC_021164.1	Ca_kabuli_chr05	153899	AA	GG	1940318559
SNP_P1_86095_153920	NC_021164.1	Ca_kabuli_chr05	153920	AA	TT	1940318561
SNP_P1_86097_156257	NC_021164.1	Ca_kabuli_chr05	156257	GG	AA	1940318563
SNP_P1_86098_156289	NC_021164.1	Ca_kabuli_chr05	156289	GG	AA	1940318565
SNP_P1_86099_156294	NC_021164.1	Ca_kabuli_chr05	156294	TT	AA	1940318566
SNP_P1_86100_156468	NC_021164.1	Ca_kabuli_chr05	156468	AA	TT	1940318568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_86101_156794	NC_021164.1	Ca_kabuli_chr05	156794	AA	GG	1940318570
SNP_P1_86102_157274	NC_021164.1	Ca_kabuli_chr05	157274	AA	TT	1940318571
SNP_P1_86103_158498	NC_021164.1	Ca_kabuli_chr05	158498	AA	GG	1940318573
SNP_P1_86104_158514	NC_021164.1	Ca_kabuli_chr05	158514	CC	AA	1940318575
SNP_P1_86105_158517	NC_021164.1	Ca_kabuli_chr05	158517	CC	TT	1940318576
SNP_P1_86106_158755	NC_021164.1	Ca_kabuli_chr05	158755	GG	AA	1940318578
SNP_P1_86108_158835	NC_021164.1	Ca_kabuli_chr05	158835	TT	AA	1940318580
SNP_P1_86109_158846	NC_021164.1	Ca_kabuli_chr05	158846	TT	CC	1940318581
SNP_P1_86110_159054	NC_021164.1	Ca_kabuli_chr05	159054	CC	TT	1940318583
SNP_P1_86111_159072	NC_021164.1	Ca_kabuli_chr05	159072	GG	AA	1940318585
SNP_P1_86112_159990	NC_021164.1	Ca_kabuli_chr05	159990	TT	CC	1940318586
SNP_P1_86113_160014	NC_021164.1	Ca_kabuli_chr05	160014	CC	GG	1940318588
SNP_P1_86114_160019	NC_021164.1	Ca_kabuli_chr05	160019	GG	AA	1940318590
SNP_P1_86115_160378	NC_021164.1	Ca_kabuli_chr05	160378	TT	CC	1940318591
SNP_P1_86117_161264	NC_021164.1	Ca_kabuli_chr05	161264	TT	CC	1940318593
SNP_P1_86118_162005	NC_021164.1	Ca_kabuli_chr05	162005	AA	TT	1940318595
SNP_P1_86119_162383	NC_021164.1	Ca_kabuli_chr05	162383	TT	CC	1940318596
SNP_P1_86120_162649	NC_021164.1	Ca_kabuli_chr05	162649	AA	GG	1940318598
SNP_P1_86121_162662	NC_021164.1	Ca_kabuli_chr05	162662	AA	TT	1940318600
SNP_P1_86122_163746	NC_021164.1	Ca_kabuli_chr05	163746	AA	TT	1940318601
SNP_P1_86124_164185	NC_021164.1	Ca_kabuli_chr05	164185	TT	GG	1940318603
SNP_P1_86125_164396	NC_021164.1	Ca_kabuli_chr05	164396	AA	TT	1940318605
SNP_P1_86126_167037	NC_021164.1	Ca_kabuli_chr05	167037	CC	TT	1940318606
SNP_P1_86127_167270	NC_021164.1	Ca_kabuli_chr05	167270	CC	GG	1940318608
SNP_P1_86129_168427	NC_021164.1	Ca_kabuli_chr05	168427	CC	TT	1940318610
SNP_P1_86130_168429	NC_021164.1	Ca_kabuli_chr05	168429	TT	CC	1940318611
SNP_P1_86131_168484	NC_021164.1	Ca_kabuli_chr05	168484	GG	AA	1940318613
SNP_P1_86132_168522	NC_021164.1	Ca_kabuli_chr05	168522	AA	TT	1940318615
SNP_P1_86133_168529	NC_021164.1	Ca_kabuli_chr05	168529	GG	AA	1940318616
SNP_P1_86134_168553	NC_021164.1	Ca_kabuli_chr05	168553	AA	TT	1940318618
SNP_P1_86135_168573	NC_021164.1	Ca_kabuli_chr05	168573	AA	TT	1940318620
SNP_P1_86136_168629	NC_021164.1	Ca_kabuli_chr05	168629	TT	CC	1940318621
SNP_P1_86137_168709	NC_021164.1	Ca_kabuli_chr05	168709	AA	TT	1940318623
SNP_P1_86138_168729	NC_021164.1	Ca_kabuli_chr05	168729	GG	CC	1940318625
SNP_P1_86139_168766	NC_021164.1	Ca_kabuli_chr05	168766	CC	GG	1940318626
SNP_P1_86141_169083	NC_021164.1	Ca_kabuli_chr05	169083	TT	CC	1940318628
SNP_P1_86142_169100	NC_021164.1	Ca_kabuli_chr05	169100	TT	CC	1940318630
SNP_P1_86143_169524	NC_021164.1	Ca_kabuli_chr05	169524	CC	AA	1940318632
SNP_P1_86144_170049	NC_021164.1	Ca_kabuli_chr05	170049	TT	AA	1940318633
SNP_P1_86145_170079	NC_021164.1	Ca_kabuli_chr05	170079	TT	CC	1940318635
SNP_P1_86146_170381	NC_021164.1	Ca_kabuli_chr05	170381	GG	TT	1940318637
SNP_P1_86147_171257	NC_021164.1	Ca_kabuli_chr05	171257	CC	AA	1940318638

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_86148_171376	NC_021164.1	Ca_kabuli_chr05	171376	TT	CC	1940318640
SNP_P1_86149_171378	NC_021164.1	Ca_kabuli_chr05	171378	AA	CC	1940318642
SNP_P1_86150_171383	NC_021164.1	Ca_kabuli_chr05	171383	GG	CC	1940318643
SNP_P1_86151_171793	NC_021164.1	Ca_kabuli_chr05	171793	GG	CC	1940318645
SNP_P1_86152_171926	NC_021164.1	Ca_kabuli_chr05	171926	GG	AA	1940318647
SNP_P1_86153_171948	NC_021164.1	Ca_kabuli_chr05	171948	CC	TT	1940318648
SNP_P1_86154_171952	NC_021164.1	Ca_kabuli_chr05	171952	GG	AA	1940318650
SNP_P1_86155_171961	NC_021164.1	Ca_kabuli_chr05	171961	AA	CC	1940318652
SNP_P1_86156_172369	NC_021164.1	Ca_kabuli_chr05	172369	AA	TT	1940318653
SNP_P1_86157_172962	NC_021164.1	Ca_kabuli_chr05	172962	CC	TT	1940318655
SNP_P1_86158_174101	NC_021164.1	Ca_kabuli_chr05	174101	CC	TT	1940318657
SNP_P1_86159_175240	NC_021164.1	Ca_kabuli_chr05	175240	CC	TT	1940318658
SNP_P1_86160_175292	NC_021164.1	Ca_kabuli_chr05	175292	GG	AA	1940318660
SNP_P1_86161_175520	NC_021164.1	Ca_kabuli_chr05	175520	TT	CC	1940318662
SNP_P1_86162_177648	NC_021164.1	Ca_kabuli_chr05	177648	AA	GG	1940318663
SNP_P1_86163_178534	NC_021164.1	Ca_kabuli_chr05	178534	GG	AA	1940318665
SNP_P1_86164_178549	NC_021164.1	Ca_kabuli_chr05	178549	TT	GG	1940318667
SNP_P1_86165_178588	NC_021164.1	Ca_kabuli_chr05	178588	GG	AA	1940318668
SNP_P1_86167_178655	NC_021164.1	Ca_kabuli_chr05	178655	GG	CC	1940318670
SNP_P1_86168_178656	NC_021164.1	Ca_kabuli_chr05	178656	GG	AA	1940318672
SNP_P1_86169_178706	NC_021164.1	Ca_kabuli_chr05	178706	GG	CC	1940318673
SNP_P1_86171_179067	NC_021164.1	Ca_kabuli_chr05	179067	TT	CC	1940318675
SNP_P1_86172_180041	NC_021164.1	Ca_kabuli_chr05	180041	GG	CC	1940318677
SNP_P1_86174_180182	NC_021164.1	Ca_kabuli_chr05	180182	AA	TT	1940318678
SNP_P1_86175_180525	NC_021164.1	Ca_kabuli_chr05	180525	AA	GG	1940318680
SNP_P1_86177_180581	NC_021164.1	Ca_kabuli_chr05	180581	CC	AA	1940318682
SNP_P1_86178_180588	NC_021164.1	Ca_kabuli_chr05	180588	CC	TT	1940318683
SNP_P1_86179_180707	NC_021164.1	Ca_kabuli_chr05	180707	TT	AA	1940318685
SNP_P1_86180_180748	NC_021164.1	Ca_kabuli_chr05	180748	AA	TT	1940318687
SNP_P1_86181_183606	NC_021164.1	Ca_kabuli_chr05	183606	CC	TT	1940318688
SNP_P1_86182_184483	NC_021164.1	Ca_kabuli_chr05	184483	AA	TT	1940318690
SNP_P1_86183_184615	NC_021164.1	Ca_kabuli_chr05	184615	GG	TT	1940318692
SNP_P1_86184_184851	NC_021164.1	Ca_kabuli_chr05	184851	AA	GG	1940318693
SNP_P1_86185_184940	NC_021164.1	Ca_kabuli_chr05	184940	AA	CC	1940318695
SNP_P1_86186_185094	NC_021164.1	Ca_kabuli_chr05	185094	TT	CC	1940318697
SNP_P1_86187_185682	NC_021164.1	Ca_kabuli_chr05	185682	CC	TT	1940318698
SNP_P1_86188_185839	NC_021164.1	Ca_kabuli_chr05	185839	AA	GG	1940318700
SNP_P1_86189_186200	NC_021164.1	Ca_kabuli_chr05	186200	CC	GG	1940318702
SNP_P1_86190_186251	NC_021164.1	Ca_kabuli_chr05	186251	AA	TT	1940318704
SNP_P1_86192_189068	NC_021164.1	Ca_kabuli_chr05	189068	GG	AA	1940318705
SNP_P1_86193_189081	NC_021164.1	Ca_kabuli_chr05	189081	TT	CC	1940318707
SNP_P1_86195_192095	NC_021164.1	Ca_kabuli_chr05	192095	AA	CC	1940318709

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86198_192798	NC_021164.1	Ca_kabuli_chr05	192798	TT	AA	1940318712
SNP_P1_86199_193986	NC_021164.1	Ca_kabuli_chr05	193986	TT	AA	1940318714
SNP_P1_86200_193993	NC_021164.1	Ca_kabuli_chr05	193993	TT	CC	1940318715
SNP_P1_86201_194266	NC_021164.1	Ca_kabuli_chr05	194266	CC	AA	1940318717
SNP_P1_86202_194291	NC_021164.1	Ca_kabuli_chr05	194291	TT	GG	1940318719
SNP_P1_86203_194593	NC_021164.1	Ca_kabuli_chr05	194593	GG	CC	1940318720
SNP_P1_86205_195709	NC_021164.1	Ca_kabuli_chr05	195709	GG	AA	1940318722
SNP_P1_86207_195737	NC_021164.1	Ca_kabuli_chr05	195737	GG	CC	1940318724
SNP_P1_86208_195780	NC_021164.1	Ca_kabuli_chr05	195780	CC	TT	1940318725
SNP_P1_86209_195793	NC_021164.1	Ca_kabuli_chr05	195793	AA	CC	1940318727
SNP_P1_86210_195808	NC_021164.1	Ca_kabuli_chr05	195808	TT	CC	1940318729
SNP_P1_86211_195850	NC_021164.1	Ca_kabuli_chr05	195850	AA	GG	1940318730
SNP_P1_86213_196383	NC_021164.1	Ca_kabuli_chr05	196383	GG	CC	1940318732
SNP_P1_86214_196924	NC_021164.1	Ca_kabuli_chr05	196924	CC	TT	1940318734
SNP_P1_86215_197940	NC_021164.1	Ca_kabuli_chr05	197940	CC	TT	1940318735
SNP_P1_86218_200962	NC_021164.1	Ca_kabuli_chr05	200962	TT	CC	1940318737
SNP_P1_86219_201053	NC_021164.1	Ca_kabuli_chr05	201053	AA	TT	1940318739
SNP_P1_86220_201293	NC_021164.1	Ca_kabuli_chr05	201293	CC	TT	1940318740
SNP_P1_86221_201673	NC_021164.1	Ca_kabuli_chr05	201673	GG	TT	1940318742
SNP_P1_86222_201679	NC_021164.1	Ca_kabuli_chr05	201679	GG	CC	1940318744
SNP_P1_86223_201693	NC_021164.1	Ca_kabuli_chr05	201693	AA	TT	1940318745
SNP_P1_86224_201926	NC_021164.1	Ca_kabuli_chr05	201926	TT	CC	1940318747
SNP_P1_86225_201943	NC_021164.1	Ca_kabuli_chr05	201943	AA	GG	1940318749
SNP_P1_86226_201966	NC_021164.1	Ca_kabuli_chr05	201966	CC	TT	1940318750
SNP_P1_86227_201968	NC_021164.1	Ca_kabuli_chr05	201968	GG	AA	1940318752
SNP_P1_86228_201999	NC_021164.1	Ca_kabuli_chr05	201999	TT	CC	1940318754
SNP_P1_86229_203100	NC_021164.1	Ca_kabuli_chr05	203100	AA	CC	1940318755
SNP_P1_86230_203464	NC_021164.1	Ca_kabuli_chr05	203464	AA	GG	1940318757
SNP_P1_86231_203499	NC_021164.1	Ca_kabuli_chr05	203499	CC	AA	1940318759
SNP_P1_86232_203510	NC_021164.1	Ca_kabuli_chr05	203510	TT	AA	1940318761
SNP_P1_86233_203651	NC_021164.1	Ca_kabuli_chr05	203651	CC	AA	1940318762
SNP_P1_86235_205115	NC_021164.1	Ca_kabuli_chr05	205115	CC	GG	1940318764
SNP_P1_86236_205212	NC_021164.1	Ca_kabuli_chr05	205212	GG	CC	1940318766
SNP_P1_86237_205701	NC_021164.1	Ca_kabuli_chr05	205701	CC	TT	1940318767
SNP_P1_86238_206482	NC_021164.1	Ca_kabuli_chr05	206482	AA	GG	1940318769
SNP_P1_86239_206497	NC_021164.1	Ca_kabuli_chr05	206497	GG	TT	1940318771
SNP_P1_86240_206715	NC_021164.1	Ca_kabuli_chr05	206715	TT	GG	1940318772
SNP_P1_86241_206766	NC_021164.1	Ca_kabuli_chr05	206766	AA	CC	1940318774
SNP_P1_86242_206823	NC_021164.1	Ca_kabuli_chr05	206823	AA	GG	1940318776
SNP_P1_86243_206955	NC_021164.1	Ca_kabuli_chr05	206955	CC	GG	1940318777
SNP_P1_86244_207884	NC_021164.1	Ca_kabuli_chr05	207884	CC	TT	1940318779

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86249_210232	NC_021164.1	Ca_kabuli_chr05	210232	CC	GG	1940318782
SNP_P1_86252_210818	NC_021164.1	Ca_kabuli_chr05	210818	GG	CC	1940318784
SNP_P1_86254_212697	NC_021164.1	Ca_kabuli_chr05	212697	TT	AA	1940318786
SNP_P1_86255_212742	NC_021164.1	Ca_kabuli_chr05	212742	CC	GG	1940318787
SNP_P1_86256_212752	NC_021164.1	Ca_kabuli_chr05	212752	CC	AA	1940318789
SNP_P1_86257_212757	NC_021164.1	Ca_kabuli_chr05	212757	AA	CC	1940318791
SNP_P1_86258_212767	NC_021164.1	Ca_kabuli_chr05	212767	TT	CC	1940318792
SNP_P1_86259_212777	NC_021164.1	Ca_kabuli_chr05	212777	TT	AA	1940318794
SNP_P1_86260_212808	NC_021164.1	Ca_kabuli_chr05	212808	AA	CC	1940318796
SNP_P1_86261_212828	NC_021164.1	Ca_kabuli_chr05	212828	AA	GG	1940318797
SNP_P1_86262_213109	NC_021164.1	Ca_kabuli_chr05	213109	GG	TT	1940318799
SNP_P1_86263_213123	NC_021164.1	Ca_kabuli_chr05	213123	AA	CC	1940318801
SNP_P1_86264_213151	NC_021164.1	Ca_kabuli_chr05	213151	TT	GG	1940318802
SNP_P1_86265_213538	NC_021164.1	Ca_kabuli_chr05	213538	CC	TT	1940318804
SNP_P1_86266_213767	NC_021164.1	Ca_kabuli_chr05	213767	TT	CC	1940318806
SNP_P1_86267_213768	NC_021164.1	Ca_kabuli_chr05	213768	CC	TT	1940318807
SNP_P1_86268_213828	NC_021164.1	Ca_kabuli_chr05	213828	CC	TT	1940318809
SNP_P1_86269_214071	NC_021164.1	Ca_kabuli_chr05	214071	AA	GG	1940318811
SNP_P1_86270_214557	NC_021164.1	Ca_kabuli_chr05	214557	TT	CC	1940318812
SNP_P1_86274_218282	NC_021164.1	Ca_kabuli_chr05	218282	TT	CC	1940318814
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SNP_P1_86276_218418	NC_021164.1	Ca_kabuli_chr05	218418	GG	CC	1940318817
SNP_P1_86279_220205	NC_021164.1	Ca_kabuli_chr05	220205	CC	TT	1940318819
SNP_P1_86280_220357	NC_021164.1	Ca_kabuli_chr05	220357	GG	AA	1940318821
SNP_P1_86281_222391	NC_021164.1	Ca_kabuli_chr05	222391	AA	GG	1940318822
SNP_P1_86282_222651	NC_021164.1	Ca_kabuli_chr05	222651	CC	AA	1940318824
SNP_P1_86283_222653	NC_021164.1	Ca_kabuli_chr05	222653	CC	AA	1940318826
SNP_P1_86284_222657	NC_021164.1	Ca_kabuli_chr05	222657	AA	GG	1940318827
SNP_P1_86287_223806	NC_021164.1	Ca_kabuli_chr05	223806	TT	GG	1940318829
SNP_P1_86288_225652	NC_021164.1	Ca_kabuli_chr05	225652	TT	CC	1940318831
SNP_P1_86289_225682	NC_021164.1	Ca_kabuli_chr05	225682	AA	GG	1940318832
SNP_P1_86290_225823	NC_021164.1	Ca_kabuli_chr05	225823	CC	AA	1940318834
SNP_P1_86291_226104	NC_021164.1	Ca_kabuli_chr05	226104	TT	CC	1940318836
SNP_P1_86292_226126	NC_021164.1	Ca_kabuli_chr05	226126	CC	GG	1940318837
SNP_P1_86294_226488	NC_021164.1	Ca_kabuli_chr05	226488	AA	TT	1940318839
SNP_P1_86295_226498	NC_021164.1	Ca_kabuli_chr05	226498	TT	CC	1940318841
SNP_P1_86296_230575	NC_021164.1	Ca_kabuli_chr05	230575	CC	TT	1940318842
SNP_P1_86297_230957	NC_021164.1	Ca_kabuli_chr05	230957	TT	CC	1940318844
SNP_P1_86298_233293	NC_021164.1	Ca_kabuli_chr05	233293	GG	AA	1940318846
SNP_P1_86300_234857	NC_021164.1	Ca_kabuli_chr05	234857	AA	TT	1940318848
SNP_P1_86303_236822	NC_021164.1	Ca_kabuli_chr05	236822	TT	CC	1940318849

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86305_237057	NC_021164.1	Ca_kabuli_chr05	237057	TT	CC	1940318853
SNP_P1_86306_237489	NC_021164.1	Ca_kabuli_chr05	237489	TT	GG	1940318854
SNP_P1_86307_237538	NC_021164.1	Ca_kabuli_chr05	237538	GG	AA	1940318856
SNP_P1_86308_237612	NC_021164.1	Ca_kabuli_chr05	237612	TT	CC	1940318858
SNP_P1_86309_237682	NC_021164.1	Ca_kabuli_chr05	237682	TT	CC	1940318859
SNP_P1_86310_237949	NC_021164.1	Ca_kabuli_chr05	237949	CC	TT	1940318861
SNP_P1_86312_238089	NC_021164.1	Ca_kabuli_chr05	238089	GG	CC	1940318863
SNP_P1_86314_239555	NC_021164.1	Ca_kabuli_chr05	239555	TT	CC	1940318864
SNP_P1_86315_239784	NC_021164.1	Ca_kabuli_chr05	239784	GG	AA	1940318866
SNP_P1_86316_239841	NC_021164.1	Ca_kabuli_chr05	239841	GG	AA	1940318868
SNP_P1_86317_240070	NC_021164.1	Ca_kabuli_chr05	240070	GG	AA	1940318869
SNP_P1_86318_240094	NC_021164.1	Ca_kabuli_chr05	240094	AA	GG	1940318871
SNP_P1_86319_240098	NC_021164.1	Ca_kabuli_chr05	240098	TT	CC	1940318873
SNP_P1_86320_240121	NC_021164.1	Ca_kabuli_chr05	240121	AA	GG	1940318874
SNP_P1_86321_240123	NC_021164.1	Ca_kabuli_chr05	240123	GG	AA	1940318876
SNP_P1_86323_240335	NC_021164.1	Ca_kabuli_chr05	240335	AA	TT	1940318878
SNP_P1_86324_240337	NC_021164.1	Ca_kabuli_chr05	240337	CC	TT	1940318879
SNP_P1_86325_240344	NC_021164.1	Ca_kabuli_chr05	240344	TT	CC	1940318881
SNP_P1_86326_240632	NC_021164.1	Ca_kabuli_chr05	240632	CC	GG	1940318883
SNP_P1_86327_240637	NC_021164.1	Ca_kabuli_chr05	240637	GG	AA	1940318884
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SNP_P1_86330_241123	NC_021164.1	Ca_kabuli_chr05	241123	AA	GG	1940318888
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SNP_P1_86332_241159	NC_021164.1	Ca_kabuli_chr05	241159	TT	AA	1940318891
SNP_P1_86334_241209	NC_021164.1	Ca_kabuli_chr05	241209	GG	TT	1940318893
SNP_P1_86335_241322	NC_021164.1	Ca_kabuli_chr05	241322	TT	CC	1940318894
SNP_P1_86336_241343	NC_021164.1	Ca_kabuli_chr05	241343	AA	CC	1940318896
SNP_P1_86337_241375	NC_021164.1	Ca_kabuli_chr05	241375	TT	CC	1940318898
SNP_P1_86338_244004	NC_021164.1	Ca_kabuli_chr05	244004	AA	GG	1940318899
SNP_P1_86339_244034	NC_021164.1	Ca_kabuli_chr05	244034	TT	CC	1940318901
SNP_P1_86341_244370	NC_021164.1	Ca_kabuli_chr05	244370	GG	AA	1940318903
SNP_P1_86343_246466	NC_021164.1	Ca_kabuli_chr05	246466	TT	AA	1940318904
SNP_P1_86344_247485	NC_021164.1	Ca_kabuli_chr05	247485	TT	GG	1940318906
SNP_P1_86345_250144	NC_021164.1	Ca_kabuli_chr05	250144	CC	TT	1940318908
SNP_P1_86346_252396	NC_021164.1	Ca_kabuli_chr05	252396	TT	CC	1940318910
SNP_P1_86347_260915	NC_021164.1	Ca_kabuli_chr05	260915	AA	CC	1940318911
SNP_P1_86348_261025	NC_021164.1	Ca_kabuli_chr05	261025	TT	CC	1940318913
SNP_P1_86351_263554	NC_021164.1	Ca_kabuli_chr05	263554	GG	TT	1940318915
SNP_P1_86352_265052	NC_021164.1	Ca_kabuli_chr05	265052	TT	AA	1940318916
SNP_P1_86353_265820	NC_021164.1	Ca_kabuli_chr05	265820	CC	AA	1940318918
SNP_P1_86354_267228	NC_021164.1	Ca_kabuli_chr05	267228	AA	GG	1940318920

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86356_267288	NC_021164.1	Ca_kabuli_chr05	267288	CC	AA	1940318923
SNP_P1_86357_267342	NC_021164.1	Ca_kabuli_chr05	267342	CC	TT	1940318925
SNP_P1_86358_271551	NC_021164.1	Ca_kabuli_chr05	271551	GG	CC	1940318926
SNP_P1_86360_272190	NC_021164.1	Ca_kabuli_chr05	272190	GG	AA	1940318928
SNP_P1_86361_275427	NC_021164.1	Ca_kabuli_chr05	275427	GG	AA	1940318930
SNP_P1_86362_275428	NC_021164.1	Ca_kabuli_chr05	275428	AA	GG	1940318931
SNP_P1_86363_276413	NC_021164.1	Ca_kabuli_chr05	276413	AA	GG	1940318933
SNP_P1_86365_277040	NC_021164.1	Ca_kabuli_chr05	277040	AA	GG	1940318935
SNP_P1_86366_278110	NC_021164.1	Ca_kabuli_chr05	278110	GG	AA	1940318936
SNP_P1_86367_278551	NC_021164.1	Ca_kabuli_chr05	278551	AA	GG	1940318938
SNP_P1_86368_279404	NC_021164.1	Ca_kabuli_chr05	279404	CC	TT	1940318940
SNP_P1_86369_279848	NC_021164.1	Ca_kabuli_chr05	279848	TT	AA	1940318941
SNP_P1_86370_280065	NC_021164.1	Ca_kabuli_chr05	280065	CC	TT	1940318943
SNP_P1_86372_287671	NC_021164.1	Ca_kabuli_chr05	287671	AA	GG	1940318945
SNP_P1_86373_287850	NC_021164.1	Ca_kabuli_chr05	287850	GG	AA	1940318946
SNP_P1_86374_287913	NC_021164.1	Ca_kabuli_chr05	287913	AA	GG	1940318948
SNP_P1_86375_289683	NC_021164.1	Ca_kabuli_chr05	289683	AA	GG	1940318950
SNP_P1_86376_289781	NC_021164.1	Ca_kabuli_chr05	289781	TT	AA	1940318951
SNP_P1_86377_289794	NC_021164.1	Ca_kabuli_chr05	289794	GG	AA	1940318953
SNP_P1_86379_289926	NC_021164.1	Ca_kabuli_chr05	289926	CC	TT	1940318955
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SNP_P1_86383_290235	NC_021164.1	Ca_kabuli_chr05	290235	TT	CC	1940318962
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SNP_P1_86386_290326	NC_021164.1	Ca_kabuli_chr05	290326	TT	GG	1940318967
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SNP_P1_86389_290902	NC_021164.1	Ca_kabuli_chr05	290902	TT	AA	1940318972
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SNP_P1_86391_291040	NC_021164.1	Ca_kabuli_chr05	291040	GG	CC	1940318975
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SNP_P1_86394_291177	NC_021164.1	Ca_kabuli_chr05	291177	CC	TT	1940318978
SNP_P1_86395_291228	NC_021164.1	Ca_kabuli_chr05	291228	GG	AA	1940318980
SNP_P1_86396_291250	NC_021164.1	Ca_kabuli_chr05	291250	GG	AA	1940318982
SNP_P1_86397_291296	NC_021164.1	Ca_kabuli_chr05	291296	GG	AA	1940318983
SNP_P1_86398_291301	NC_021164.1	Ca_kabuli_chr05	291301	AA	TT	1940318985
SNP_P1_86399_291315	NC_021164.1	Ca_kabuli_chr05	291315	GG	AA	1940318987
SNP_P1_86400_291347	NC_021164.1	Ca_kabuli_chr05	291347	AA	GG	1940318988
SNP_P1_86402_291393	NC_021164.1	Ca_kabuli_chr05	291393	AA	CC	1940318990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86405_291545	NC_021164.1	Ca_kabuli_chr05	291545	CC	GG	1940318995
SNP_P1_86406_291546	NC_021164.1	Ca_kabuli_chr05	291546	AA	TT	1940318997
SNP_P1_86409_291981	NC_021164.1	Ca_kabuli_chr05	291981	AA	CC	1940318998
SNP_P1_86410_291986	NC_021164.1	Ca_kabuli_chr05	291986	GG	AA	1940319000
SNP_P1_86411_292029	NC_021164.1	Ca_kabuli_chr05	292029	TT	AA	1940319002
SNP_P1_86414_292255	NC_021164.1	Ca_kabuli_chr05	292255	CC	TT	1940319003
SNP_P1_86415_292286	NC_021164.1	Ca_kabuli_chr05	292286	AA	GG	1940319005
SNP_P1_86416_292296	NC_021164.1	Ca_kabuli_chr05	292296	TT	AA	1940319007
SNP_P1_86417_292423	NC_021164.1	Ca_kabuli_chr05	292423	TT	CC	1940319008
SNP_P1_86418_292460	NC_021164.1	Ca_kabuli_chr05	292460	AA	CC	1940319010
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SNP_P1_86421_292546	NC_021164.1	Ca_kabuli_chr05	292546	TT	CC	1940319015
SNP_P1_86422_292652	NC_021164.1	Ca_kabuli_chr05	292652	CC	TT	1940319017
SNP_P1_86423_292653	NC_021164.1	Ca_kabuli_chr05	292653	AA	CC	1940319019
SNP_P1_86424_292985	NC_021164.1	Ca_kabuli_chr05	292985	AA	GG	1940319020
SNP_P1_86425_293067	NC_021164.1	Ca_kabuli_chr05	293067	CC	TT	1940319022
SNP_P1_86426_293197	NC_021164.1	Ca_kabuli_chr05	293197	TT	GG	1940319024
SNP_P1_86427_294815	NC_021164.1	Ca_kabuli_chr05	294815	CC	TT	1940319025
SNP_P1_86428_294821	NC_021164.1	Ca_kabuli_chr05	294821	CC	TT	1940319027
SNP_P1_86429_295794	NC_021164.1	Ca_kabuli_chr05	295794	AA	GG	1940319029
SNP_P1_86430_298030	NC_021164.1	Ca_kabuli_chr05	298030	CC	TT	1940319030
SNP_P1_86431_298190	NC_021164.1	Ca_kabuli_chr05	298190	CC	TT	1940319032
SNP_P1_86432_300882	NC_021164.1	Ca_kabuli_chr05	300882	AA	GG	1940319034
SNP_P1_86433_302694	NC_021164.1	Ca_kabuli_chr05	302694	GG	AA	1940319035
SNP_P1_86434_307609	NC_021164.1	Ca_kabuli_chr05	307609	TT	GG	1940319037
SNP_P1_86435_309629	NC_021164.1	Ca_kabuli_chr05	309629	GG	AA	1940319039
SNP_P1_86437_316526	NC_021164.1	Ca_kabuli_chr05	316526	GG	TT	1940319040
SNP_P1_86438_316698	NC_021164.1	Ca_kabuli_chr05	316698	TT	AA	1940319042
SNP_P1_86439_316894	NC_021164.1	Ca_kabuli_chr05	316894	AA	GG	1940319044
SNP_P1_86440_316956	NC_021164.1	Ca_kabuli_chr05	316956	AA	TT	1940319045
SNP_P1_86444_335325	NC_021164.1	Ca_kabuli_chr05	335325	GG	AA	1940319047
SNP_P1_86446_336834	NC_021164.1	Ca_kabuli_chr05	336834	AA	GG	1940319049
SNP_P1_86448_338595	NC_021164.1	Ca_kabuli_chr05	338595	CC	TT	1940319050
SNP_P1_86449_339934	NC_021164.1	Ca_kabuli_chr05	339934	GG	AA	1940319052
SNP_P1_86450_340362	NC_021164.1	Ca_kabuli_chr05	340362	GG	AA	1940319054
SNP_P1_86451_344038	NC_021164.1	Ca_kabuli_chr05	344038	GG	AA	1940319055
SNP_P1_86452_347596	NC_021164.1	Ca_kabuli_chr05	347596	AA	CC	1940319057
SNP_P1_86453_347634	NC_021164.1	Ca_kabuli_chr05	347634	AA	TT	1940319059
SNP_P1_86454_347645	NC_021164.1	Ca_kabuli_chr05	347645	CC	TT	1940319060

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_86455_347656	NC_021164.1	Ca_kabuli_chr05	347656	GG	AA	1940319062
SNP_P1_86456_347675	NC_021164.1	Ca_kabuli_chr05	347675	GG	AA	1940319064
SNP_P1_86457_348034	NC_021164.1	Ca_kabuli_chr05	348034	GG	AA	1940319065
SNP_P1_86459_362389	NC_021164.1	Ca_kabuli_chr05	362389	AA	GG	1940319067
SNP_P1_86460_362831	NC_021164.1	Ca_kabuli_chr05	362831	TT	AA	1940319069
SNP_P1_86461_362851	NC_021164.1	Ca_kabuli_chr05	362851	AA	CC	1940319070
SNP_P1_86462_362971	NC_021164.1	Ca_kabuli_chr05	362971	AA	GG	1940319072
SNP_P1_86463_364806	NC_021164.1	Ca_kabuli_chr05	364806	CC	TT	1940319074
SNP_P1_86464_367238	NC_021164.1	Ca_kabuli_chr05	367238	CC	GG	1940319075
SNP_P1_86465_372127	NC_021164.1	Ca_kabuli_chr05	372127	GG	AA	1940319077
SNP_P1_86466_372532	NC_021164.1	Ca_kabuli_chr05	372532	TT	CC	1940319079
SNP_P1_86467_378223	NC_021164.1	Ca_kabuli_chr05	378223	CC	TT	1940319080
SNP_P1_86469_396969	NC_021164.1	Ca_kabuli_chr05	396969	CC	TT	1940319082
SNP_P1_86470_400200	NC_021164.1	Ca_kabuli_chr05	400200	AA	TT	1940319084
SNP_P1_86471_400201	NC_021164.1	Ca_kabuli_chr05	400201	AA	TT	1940319085
SNP_P1_86472_406669	NC_021164.1	Ca_kabuli_chr05	406669	CC	TT	1940319087
SNP_P1_86473_407095	NC_021164.1	Ca_kabuli_chr05	407095	AA	GG	1940319089
SNP_P1_86474_411179	NC_021164.1	Ca_kabuli_chr05	411179	AA	GG	1940319091
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SNP_P1_86476_413918	NC_021164.1	Ca_kabuli_chr05	413918	CC	TT	1940319094
SNP_P1_86477_414258	NC_021164.1	Ca_kabuli_chr05	414258	GG	CC	1940319096
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SNP_P1_86479_415256	NC_021164.1	Ca_kabuli_chr05	415256	GG	AA	1940319099
SNP_P1_86480_420397	NC_021164.1	Ca_kabuli_chr05	420397	TT	CC	1940319101
SNP_P1_86481_420581	NC_021164.1	Ca_kabuli_chr05	420581	AA	TT	1940319102
SNP_P1_86484_425659	NC_021164.1	Ca_kabuli_chr05	425659	AA	GG	1940319104
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SNP_P1_86486_434274	NC_021164.1	Ca_kabuli_chr05	434274	AA	TT	1940319107
SNP_P1_86487_434701	NC_021164.1	Ca_kabuli_chr05	434701	CC	TT	1940319109
SNP_P1_86489_440628	NC_021164.1	Ca_kabuli_chr05	440628	TT	CC	1940319111
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SNP_P1_86493_446261	NC_021164.1	Ca_kabuli_chr05	446261	CC	AA	1940319116
SNP_P1_86495_455251	NC_021164.1	Ca_kabuli_chr05	455251	GG	AA	1940319117
SNP_P1_86496_456129	NC_021164.1	Ca_kabuli_chr05	456129	TT	GG	1940319119
SNP_P1_86500_458186	NC_021164.1	Ca_kabuli_chr05	458186	GG	TT	1940319121
SNP_P1_86501_459867	NC_021164.1	Ca_kabuli_chr05	459867	AA	TT	1940319122
SNP_P1_86504_463843	NC_021164.1	Ca_kabuli_chr05	463843	TT	AA	1940319124
SNP_P1_86506_463981	NC_021164.1	Ca_kabuli_chr05	463981	AA	GG	1940319126
SNP_P1_86508_464291	NC_021164.1	Ca_kabuli_chr05	464291	TT	CC	1940319127
SNP_P1_86510_464328	NC_021164.1	Ca_kabuli_chr05	464328	GG	AA	1940319129
SNP_P1_86511_469397	NC_021164.1	Ca_kabuli_chr05	469397	AA	GG	1940319131

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86514_471157	NC_021164.1	Ca_kabuli_chr05	471157	AA	GG	1940319134
SNP_P1_86516_475450	NC_021164.1	Ca_kabuli_chr05	475450	TT	AA	1940319136
SNP_P1_86517_475874	NC_021164.1	Ca_kabuli_chr05	475874	TT	CC	1940319137
SNP_P1_86519_476215	NC_021164.1	Ca_kabuli_chr05	476215	CC	TT	1940319139
SNP_P1_86521_479787	NC_021164.1	Ca_kabuli_chr05	479787	GG	AA	1940319141
SNP_P1_86522_479996	NC_021164.1	Ca_kabuli_chr05	479996	TT	CC	1940319142
SNP_P1_86523_480948	NC_021164.1	Ca_kabuli_chr05	480948	GG	AA	1940319144
SNP_P1_86524_481681	NC_021164.1	Ca_kabuli_chr05	481681	TT	CC	1940319146
SNP_P1_86526_481727	NC_021164.1	Ca_kabuli_chr05	481727	CC	AA	1940319147
SNP_P1_86527_481731	NC_021164.1	Ca_kabuli_chr05	481731	CC	TT	1940319149
SNP_P1_86528_481743	NC_021164.1	Ca_kabuli_chr05	481743	TT	CC	1940319151
SNP_P1_86529_481778	NC_021164.1	Ca_kabuli_chr05	481778	GG	AA	1940319152
SNP_P1_86530_482706	NC_021164.1	Ca_kabuli_chr05	482706	TT	CC	1940319154
SNP_P1_86531_482795	NC_021164.1	Ca_kabuli_chr05	482795	GG	AA	1940319156
SNP_P1_86532_483187	NC_021164.1	Ca_kabuli_chr05	483187	AA	GG	1940319157
SNP_P1_86533_483359	NC_021164.1	Ca_kabuli_chr05	483359	CC	TT	1940319159
SNP_P1_86534_485226	NC_021164.1	Ca_kabuli_chr05	485226	TT	AA	1940319161
SNP_P1_86535_485628	NC_021164.1	Ca_kabuli_chr05	485628	AA	GG	1940319163
SNP_P1_86536_487304	NC_021164.1	Ca_kabuli_chr05	487304	CC	TT	1940319164
SNP_P1_86537_488291	NC_021164.1	Ca_kabuli_chr05	488291	GG	TT	1940319166
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SNP_P1_86539_490239	NC_021164.1	Ca_kabuli_chr05	490239	AA	GG	1940319169
SNP_P1_86540_490258	NC_021164.1	Ca_kabuli_chr05	490258	GG	AA	1940319171
SNP_P1_86541_490263	NC_021164.1	Ca_kabuli_chr05	490263	AA	GG	1940319173
SNP_P1_86542_490278	NC_021164.1	Ca_kabuli_chr05	490278	AA	GG	1940319174
SNP_P1_86544_492090	NC_021164.1	Ca_kabuli_chr05	492090	TT	CC	1940319176
SNP_P1_86545_492145	NC_021164.1	Ca_kabuli_chr05	492145	AA	TT	1940319178
SNP_P1_86546_492148	NC_021164.1	Ca_kabuli_chr05	492148	CC	TT	1940319179
SNP_P1_86547_492196	NC_021164.1	Ca_kabuli_chr05	492196	TT	AA	1940319181
SNP_P1_86548_492197	NC_021164.1	Ca_kabuli_chr05	492197	TT	CC	1940319183
SNP_P1_86549_492198	NC_021164.1	Ca_kabuli_chr05	492198	TT	CC	1940319184
SNP_P1_86550_492203	NC_021164.1	Ca_kabuli_chr05	492203	AA	GG	1940319186
SNP_P1_86551_492251	NC_021164.1	Ca_kabuli_chr05	492251	CC	AA	1940319188
SNP_P1_86552_492252	NC_021164.1	Ca_kabuli_chr05	492252	AA	TT	1940319189
SNP_P1_86553_492292	NC_021164.1	Ca_kabuli_chr05	492292	CC	GG	1940319191
SNP_P1_86554_492447	NC_021164.1	Ca_kabuli_chr05	492447	AA	GG	1940319193
SNP_P1_86555_492471	NC_021164.1	Ca_kabuli_chr05	492471	CC	TT	1940319194
SNP_P1_86556_492511	NC_021164.1	Ca_kabuli_chr05	492511	AA	GG	1940319196
SNP_P1_86557_492516	NC_021164.1	Ca_kabuli_chr05	492516	GG	TT	1940319198
SNP_P1_86558_492583	NC_021164.1	Ca_kabuli_chr05	492583	AA	TT	1940319199
SNP_P1_86559_492585	NC_021164.1	Ca_kabuli_chr05	492585	TT	AA	1940319201

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86561_492679	NC_021164.1	Ca_kabuli_chr05	492679	TT	CC	1940319204
SNP_P1_86562_492735	NC_021164.1	Ca_kabuli_chr05	492735	GG	TT	1940319206
SNP_P1_86563_492868	NC_021164.1	Ca_kabuli_chr05	492868	AA	GG	1940319208
SNP_P1_86564_492892	NC_021164.1	Ca_kabuli_chr05	492892	TT	AA	1940319209
SNP_P1_86565_493122	NC_021164.1	Ca_kabuli_chr05	493122	AA	TT	1940319211
SNP_P1_86567_496231	NC_021164.1	Ca_kabuli_chr05	496231	GG	TT	1940319213
SNP_P1_86568_496275	NC_021164.1	Ca_kabuli_chr05	496275	CC	TT	1940319215
SNP_P1_86569_497005	NC_021164.1	Ca_kabuli_chr05	497005	AA	CC	1940319216
SNP_P1_86570_497183	NC_021164.1	Ca_kabuli_chr05	497183	AA	CC	1940319218
SNP_P1_86571_497203	NC_021164.1	Ca_kabuli_chr05	497203	TT	CC	1940319220
SNP_P1_86572_497210	NC_021164.1	Ca_kabuli_chr05	497210	TT	GG	1940319221
SNP_P1_86573_497215	NC_021164.1	Ca_kabuli_chr05	497215	CC	AA	1940319223
SNP_P1_86574_497479	NC_021164.1	Ca_kabuli_chr05	497479	TT	GG	1940319225
SNP_P1_86575_497512	NC_021164.1	Ca_kabuli_chr05	497512	AA	GG	1940319226
SNP_P1_86576_497519	NC_021164.1	Ca_kabuli_chr05	497519	AA	CC	1940319228
SNP_P1_86577_497552	NC_021164.1	Ca_kabuli_chr05	497552	AA	CC	1940319230
SNP_P1_86578_497683	NC_021164.1	Ca_kabuli_chr05	497683	TT	CC	1940319231
SNP_P1_86579_509313	NC_021164.1	Ca_kabuli_chr05	509313	AA	CC	1940319233
SNP_P1_86580_509359	NC_021164.1	Ca_kabuli_chr05	509359	CC	TT	1940319235
SNP_P1_86581_509362	NC_021164.1	Ca_kabuli_chr05	509362	TT	CC	1940319236
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SNP_P1_86583_516935	NC_021164.1	Ca_kabuli_chr05	516935	CC	TT	1940319240
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SNP_P1_86586_553076	NC_021164.1	Ca_kabuli_chr05	553076	GG	TT	1940319245
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SNP_P1_86589_578007	NC_021164.1	Ca_kabuli_chr05	578007	CC	TT	1940319250
SNP_P1_86590_594083	NC_021164.1	Ca_kabuli_chr05	594083	GG	TT	1940319251
SNP_P1_86591_613122	NC_021164.1	Ca_kabuli_chr05	613122	TT	AA	1940319253
SNP_P1_86592_618776	NC_021164.1	Ca_kabuli_chr05	618776	GG	AA	1940319255
SNP_P1_86593_618805	NC_021164.1	Ca_kabuli_chr05	618805	GG	AA	1940319256
SNP_P1_86594_622549	NC_021164.1	Ca_kabuli_chr05	622549	TT	CC	1940319258
SNP_P1_86595_622599	NC_021164.1	Ca_kabuli_chr05	622599	AA	GG	1940319260
SNP_P1_86597_622725	NC_021164.1	Ca_kabuli_chr05	622725	AA	GG	1940319261
SNP_P1_86598_622729	NC_021164.1	Ca_kabuli_chr05	622729	GG	AA	1940319263
SNP_P1_86599_622737	NC_021164.1	Ca_kabuli_chr05	622737	GG	AA	1940319265
SNP_P1_86600_622774	NC_021164.1	Ca_kabuli_chr05	622774	GG	TT	1940319266
SNP_P1_86601_622782	NC_021164.1	Ca_kabuli_chr05	622782	TT	CC	1940319268
SNP_P1_86602_622828	NC_021164.1	Ca_kabuli_chr05	622828	AA	GG	1940319270
SNP_P1_86603_622837	NC_021164.1	Ca_kabuli_chr05	622837	CC	GG	1940319271

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86605_624666	NC_021164.1	Ca_kabuli_chr05	624666	AA	TT	1940319275
SNP_P1_86606_624672	NC_021164.1	Ca_kabuli_chr05	624672	AA	GG	1940319276
SNP_P1_86607_624977	NC_021164.1	Ca_kabuli_chr05	624977	TT	CC	1940319278
SNP_P1_86608_625025	NC_021164.1	Ca_kabuli_chr05	625025	AA	GG	1940319280
SNP_P1_86609_625081	NC_021164.1	Ca_kabuli_chr05	625081	AA	GG	1940319281
SNP_P1_86610_625529	NC_021164.1	Ca_kabuli_chr05	625529	CC	AA	1940319283
SNP_P1_86611_625977	NC_021164.1	Ca_kabuli_chr05	625977	CC	AA	1940319285
SNP_P1_86612_636144	NC_021164.1	Ca_kabuli_chr05	636144	CC	AA	1940319287
SNP_P1_86613_643166	NC_021164.1	Ca_kabuli_chr05	643166	GG	AA	1940319288
SNP_P1_86614_643195	NC_021164.1	Ca_kabuli_chr05	643195	GG	TT	1940319290
SNP_P1_86615_643212	NC_021164.1	Ca_kabuli_chr05	643212	TT	AA	1940319292
SNP_P1_86616_643373	NC_021164.1	Ca_kabuli_chr05	643373	GG	AA	1940319293
SNP_P1_86617_643678	NC_021164.1	Ca_kabuli_chr05	643678	TT	AA	1940319295
SNP_P1_86618_643684	NC_021164.1	Ca_kabuli_chr05	643684	CC	TT	1940319297
SNP_P1_86619_643701	NC_021164.1	Ca_kabuli_chr05	643701	TT	CC	1940319298
SNP_P1_86620_643800	NC_021164.1	Ca_kabuli_chr05	643800	CC	GG	1940319300
SNP_P1_86621_644958	NC_021164.1	Ca_kabuli_chr05	644958	AA	TT	1940319302
SNP_P1_86622_644959	NC_021164.1	Ca_kabuli_chr05	644959	TT	GG	1940319303
SNP_P1_86623_655193	NC_021164.1	Ca_kabuli_chr05	655193	AA	GG	1940319305
SNP_P1_86624_655391	NC_021164.1	Ca_kabuli_chr05	655391	TT	AA	1940319307
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SNP_P1_86627_655632	NC_021164.1	Ca_kabuli_chr05	655632	TT	CC	1940319312
SNP_P1_86628_655659	NC_021164.1	Ca_kabuli_chr05	655659	GG	CC	1940319313
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SNP_P1_86634_656978	NC_021164.1	Ca_kabuli_chr05	656978	TT	CC	1940319323
SNP_P1_86635_657118	NC_021164.1	Ca_kabuli_chr05	657118	AA	GG	1940319325
SNP_P1_86636_657353	NC_021164.1	Ca_kabuli_chr05	657353	CC	TT	1940319327
SNP_P1_86637_657380	NC_021164.1	Ca_kabuli_chr05	657380	GG	CC	1940319328
SNP_P1_86638_657390	NC_021164.1	Ca_kabuli_chr05	657390	TT	CC	1940319330
SNP_P1_86640_659494	NC_021164.1	Ca_kabuli_chr05	659494	TT	AA	1940319332
SNP_P1_86641_659660	NC_021164.1	Ca_kabuli_chr05	659660	TT	GG	1940319333
SNP_P1_86642_659717	NC_021164.1	Ca_kabuli_chr05	659717	CC	TT	1940319335
SNP_P1_86643_659724	NC_021164.1	Ca_kabuli_chr05	659724	AA	GG	1940319337
SNP_P1_86644_659733	NC_021164.1	Ca_kabuli_chr05	659733	AA	TT	1940319338
SNP_P1_86645_659791	NC_021164.1	Ca_kabuli_chr05	659791	GG	AA	1940319340
SNP_P1_86646_659822	NC_021164.1	Ca_kabuli_chr05	659822	CC	TT	1940319342

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86648_660055	NC_021164.1	Ca_kabuli_chr05	660055	GG	CC	1940319345
SNP_P1_86649_661727	NC_021164.1	Ca_kabuli_chr05	661727	AA	GG	1940319347
SNP_P1_86650_661728	NC_021164.1	Ca_kabuli_chr05	661728	CC	AA	1940319348
SNP_P1_86651_664351	NC_021164.1	Ca_kabuli_chr05	664351	GG	AA	1940319350
SNP_P1_86652_664544	NC_021164.1	Ca_kabuli_chr05	664544	TT	AA	1940319352
SNP_P1_86653_664702	NC_021164.1	Ca_kabuli_chr05	664702	TT	CC	1940319353
SNP_P1_86654_664850	NC_021164.1	Ca_kabuli_chr05	664850	AA	GG	1940319355
SNP_P1_86655_664870	NC_021164.1	Ca_kabuli_chr05	664870	AA	CC	1940319357
SNP_P1_86656_664887	NC_021164.1	Ca_kabuli_chr05	664887	AA	CC	1940319359
SNP_P1_86657_664946	NC_021164.1	Ca_kabuli_chr05	664946	TT	CC	1940319360
SNP_P1_86658_665077	NC_021164.1	Ca_kabuli_chr05	665077	CC	AA	1940319362
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SNP_P1_86663_666360	NC_021164.1	Ca_kabuli_chr05	666360	GG	TT	1940319370
SNP_P1_86664_666369	NC_021164.1	Ca_kabuli_chr05	666369	AA	TT	1940319372
SNP_P1_86665_666468	NC_021164.1	Ca_kabuli_chr05	666468	AA	TT	1940319374
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SNP_P1_86669_666539	NC_021164.1	Ca_kabuli_chr05	666539	AA	CC	1940319380
SNP_P1_86670_666879	NC_021164.1	Ca_kabuli_chr05	666879	GG	TT	1940319382
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SNP_P1_86674_667307	NC_021164.1	Ca_kabuli_chr05	667307	AA	GG	1940319389
SNP_P1_86675_667378	NC_021164.1	Ca_kabuli_chr05	667378	AA	GG	1940319390
SNP_P1_86676_667392	NC_021164.1	Ca_kabuli_chr05	667392	TT	CC	1940319392
SNP_P1_86677_667801	NC_021164.1	Ca_kabuli_chr05	667801	GG	AA	1940319394
SNP_P1_86678_667834	NC_021164.1	Ca_kabuli_chr05	667834	CC	TT	1940319395
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SNP_P1_86681_668138	NC_021164.1	Ca_kabuli_chr05	668138	CC	GG	1940319400
SNP_P1_86682_668142	NC_021164.1	Ca_kabuli_chr05	668142	AA	TT	1940319402
SNP_P1_86683_668157	NC_021164.1	Ca_kabuli_chr05	668157	AA	CC	1940319404
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SNP_P1_86686_668378	NC_021164.1	Ca_kabuli_chr05	668378	GG	TT	1940319409
SNP_P1_86687_671543	NC_021164.1	Ca_kabuli_chr05	671543	CC	AA	1940319410
SNP_P1_86688_672174	NC_021164.1	Ca_kabuli_chr05	672174	CC	TT	1940319412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86692_676203	NC_021164.1	Ca_kabuli_chr05	676203	GG	CC	1940319419
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SNP_P1_86694_676853	NC_021164.1	Ca_kabuli_chr05	676853	AA	TT	1940319422
SNP_P1_86695_677056	NC_021164.1	Ca_kabuli_chr05	677056	AA	GG	1940319424
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SNP_P1_86697_679247	NC_021164.1	Ca_kabuli_chr05	679247	CC	TT	1940319427
SNP_P1_86698_679260	NC_021164.1	Ca_kabuli_chr05	679260	TT	GG	1940319429
SNP_P1_86699_680980	NC_021164.1	Ca_kabuli_chr05	680980	GG	CC	1940319431
SNP_P1_86700_681200	NC_021164.1	Ca_kabuli_chr05	681200	GG	TT	1940319432
SNP_P1_86701_681210	NC_021164.1	Ca_kabuli_chr05	681210	GG	CC	1940319434
SNP_P1_86702_681213	NC_021164.1	Ca_kabuli_chr05	681213	GG	TT	1940319436
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SNP_P1_86704_681215	NC_021164.1	Ca_kabuli_chr05	681215	GG	AA	1940319439
SNP_P1_86705_681220	NC_021164.1	Ca_kabuli_chr05	681220	TT	GG	1940319441
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SNP_P1_86712_681363	NC_021164.1	Ca_kabuli_chr05	681363	AA	TT	1940319452
SNP_P1_86713_681374	NC_021164.1	Ca_kabuli_chr05	681374	TT	CC	1940319454
SNP_P1_86714_681375	NC_021164.1	Ca_kabuli_chr05	681375	GG	AA	1940319456
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SNP_P1_86718_681983	NC_021164.1	Ca_kabuli_chr05	681983	GG	AA	1940319462
SNP_P1_86719_681994	NC_021164.1	Ca_kabuli_chr05	681994	CC	TT	1940319464
SNP_P1_86720_682010	NC_021164.1	Ca_kabuli_chr05	682010	GG	AA	1940319466
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SNP_P1_86723_682077	NC_021164.1	Ca_kabuli_chr05	682077	GG	CC	1940319471
SNP_P1_86724_682084	NC_021164.1	Ca_kabuli_chr05	682084	GG	CC	1940319472
SNP_P1_86725_682085	NC_021164.1	Ca_kabuli_chr05	682085	TT	CC	1940319474
SNP_P1_86726_682111	NC_021164.1	Ca_kabuli_chr05	682111	TT	GG	1940319476
SNP_P1_86727_688826	NC_021164.1	Ca_kabuli_chr05	688826	GG	AA	1940319477
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SNP_P1_86730_696546	NC_021164.1	Ca_kabuli_chr05	696546	CC	TT	1940319481
SNP_P1_86731_696967	NC_021164.1	Ca_kabuli_chr05	696967	GG	TT	1940319482

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86734_713853	NC_021164.1	Ca_kabuli_chr05	713853	CC	TT	1940319488
SNP_P1_86735_713874	NC_021164.1	Ca_kabuli_chr05	713874	CC	AA	1940319489
SNP_P1_86736_715272	NC_021164.1	Ca_kabuli_chr05	715272	CC	AA	1940319491
SNP_P1_86737_715340	NC_021164.1	Ca_kabuli_chr05	715340	GG	AA	1940319493
SNP_P1_86738_715380	NC_021164.1	Ca_kabuli_chr05	715380	AA	CC	1940319494
SNP_P1_86739_715582	NC_021164.1	Ca_kabuli_chr05	715582	CC	TT	1940319496
SNP_P1_86740_723388	NC_021164.1	Ca_kabuli_chr05	723388	TT	CC	1940319498
SNP_P1_86741_725428	NC_021164.1	Ca_kabuli_chr05	725428	TT	AA	1940319499
SNP_P1_86742_730076	NC_021164.1	Ca_kabuli_chr05	730076	CC	TT	1940319501
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SNP_P1_86746_738250	NC_021164.1	Ca_kabuli_chr05	738250	GG	TT	1940319508
SNP_P1_86747_752456	NC_021164.1	Ca_kabuli_chr05	752456	GG	AA	1940319509
SNP_P1_86748_767394	NC_021164.1	Ca_kabuli_chr05	767394	CC	AA	1940319511
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SNP_P1_86761_853693	NC_021164.1	Ca_kabuli_chr05	853693	AA	GG	1940319529
SNP_P1_86762_853707	NC_021164.1	Ca_kabuli_chr05	853707	AA	GG	1940319531
SNP_P1_86763_853968	NC_021164.1	Ca_kabuli_chr05	853968	AA	GG	1940319533
SNP_P1_86764_869086	NC_021164.1	Ca_kabuli_chr05	869086	TT	GG	1940319534
SNP_P1_86765_877234	NC_021164.1	Ca_kabuli_chr05	877234	AA	CC	1940319536
SNP_P1_86766_877442	NC_021164.1	Ca_kabuli_chr05	877442	AA	GG	1940319538
SNP_P1_86768_877622	NC_021164.1	Ca_kabuli_chr05	877622	TT	GG	1940319539
SNP_P1_86770_897287	NC_021164.1	Ca_kabuli_chr05	897287	GG	TT	1940319541
SNP_P1_86771_897331	NC_021164.1	Ca_kabuli_chr05	897331	TT	GG	1940319543
SNP_P1_86772_897346	NC_021164.1	Ca_kabuli_chr05	897346	AA	TT	1940319544
SNP_P1_86773_897359	NC_021164.1	Ca_kabuli_chr05	897359	TT	AA	1940319546
SNP_P1_86774_897360	NC_021164.1	Ca_kabuli_chr05	897360	AA	GG	1940319548
SNP_P1_86775_897361	NC_021164.1	Ca_kabuli_chr05	897361	GG	TT	1940319550
SNP_P1_86776_897383	NC_021164.1	Ca_kabuli_chr05	897383	TT	AA	1940319551
SNP_P1_86777_897390	NC_021164.1	Ca_kabuli_chr05	897390	GG	AA	1940319553

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86781_925733	NC_021164.1	Ca_kabuli_chr05	925733	TT	CC	1940319558
SNP_P1_86782_925737	NC_021164.1	Ca_kabuli_chr05	925737	TT	CC	1940319560
SNP_P1_86783_925751	NC_021164.1	Ca_kabuli_chr05	925751	CC	GG	1940319561
SNP_P1_86785_927650	NC_021164.1	Ca_kabuli_chr05	927650	AA	GG	1940319563
SNP_P1_86786_927693	NC_021164.1	Ca_kabuli_chr05	927693	AA	GG	1940319565
SNP_P1_86787_927701	NC_021164.1	Ca_kabuli_chr05	927701	AA	GG	1940319566
SNP_P1_86788_927931	NC_021164.1	Ca_kabuli_chr05	927931	TT	CC	1940319568
SNP_P1_86789_928030	NC_021164.1	Ca_kabuli_chr05	928030	TT	CC	1940319570
SNP_P1_86790_928072	NC_021164.1	Ca_kabuli_chr05	928072	AA	TT	1940319571
SNP_P1_86791_928151	NC_021164.1	Ca_kabuli_chr05	928151	CC	TT	1940319573
SNP_P1_86792_928975	NC_021164.1	Ca_kabuli_chr05	928975	GG	AA	1940319575
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SNP_P1_86811_1001839	NC_021164.1	Ca_kabuli_chr05	1001839	TT	CC	1940319603
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SNP_P1_86813_1010321	NC_021164.1	Ca_kabuli_chr05	1010321	CC	GG	1940319607
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SNP_P1_86816_1010355	NC_021164.1	Ca_kabuli_chr05	1010355	GG	AA	1940319612
SNP_P1_86817_1012077	NC_021164.1	Ca_kabuli_chr05	1012077	TT	CC	1940319613
SNP_P1_86818_1012080	NC_021164.1	Ca_kabuli_chr05	1012080	AA	GG	1940319615
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SNP_P1_86820_1012410	NC_021164.1	Ca_kabuli_chr05	1012410	GG	AA	1940319618
SNP_P1_86823_1023143	NC_021164.1	Ca_kabuli_chr05	1023143	GG	AA	1940319620
SNP_P1_86824_1024317	NC_021164.1	Ca_kabuli_chr05	1024317	TT	CC	1940319622
SNP_P1_86825_1027950	NC_021164.1	Ca_kabuli_chr05	1027950	TT	CC	1940319623

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86829_1030240	NC_021164.1	Ca_kabuli_chr05	1030240	AA	GG	1940319630
SNP_P1_86831_1033570	NC_021164.1	Ca_kabuli_chr05	1033570	CC	TT	1940319632
SNP_P1_86832_1033694	NC_021164.1	Ca_kabuli_chr05	1033694	TT	CC	1940319633
SNP_P1_86833_1033698	NC_021164.1	Ca_kabuli_chr05	1033698	AA	TT	1940319635
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SNP_P1_86837_1033746	NC_021164.1	Ca_kabuli_chr05	1033746	TT	CC	1940319642
SNP_P1_86838_1036477	NC_021164.1	Ca_kabuli_chr05	1036477	AA	CC	1940319643
SNP_P1_86839_1037029	NC_021164.1	Ca_kabuli_chr05	1037029	GG	TT	1940319645
SNP_P1_86840_1037037	NC_021164.1	Ca_kabuli_chr05	1037037	CC	TT	1940319647
SNP_P1_86841_1038921	NC_021164.1	Ca_kabuli_chr05	1038921	GG	AA	1940319648
SNP_P1_86842_1038953	NC_021164.1	Ca_kabuli_chr05	1038953	GG	AA	1940319650
SNP_P1_86843_1038988	NC_021164.1	Ca_kabuli_chr05	1038988	TT	CC	1940319652
SNP_P1_86844_1038998	NC_021164.1	Ca_kabuli_chr05	1038998	AA	GG	1940319653
SNP_P1_86845_1055297	NC_021164.1	Ca_kabuli_chr05	1055297	AA	GG	1940319655
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SNP_P1_86848_1055551	NC_021164.1	Ca_kabuli_chr05	1055551	TT	GG	1940319660
SNP_P1_86851_1065536	NC_021164.1	Ca_kabuli_chr05	1065536	CC	TT	1940319662
SNP_P1_86852_1073725	NC_021164.1	Ca_kabuli_chr05	1073725	TT	AA	1940319663
SNP_P1_86853_1075082	NC_021164.1	Ca_kabuli_chr05	1075082	CC	TT	1940319665
SNP_P1_86854_1075608	NC_021164.1	Ca_kabuli_chr05	1075608	TT	CC	1940319667
SNP_P1_86855_1075610	NC_021164.1	Ca_kabuli_chr05	1075610	TT	CC	1940319668
SNP_P1_86856_1075613	NC_021164.1	Ca_kabuli_chr05	1075613	CC	TT	1940319670
SNP_P1_86859_1126296	NC_021164.1	Ca_kabuli_chr05	1126296	CC	AA	1940319672
SNP_P1_86860_1126429	NC_021164.1	Ca_kabuli_chr05	1126429	GG	AA	1940319673
SNP_P1_86861_1127691	NC_021164.1	Ca_kabuli_chr05	1127691	AA	GG	1940319675
SNP_P1_86862_1127711	NC_021164.1	Ca_kabuli_chr05	1127711	GG	AA	1940319677
SNP_P1_86864_1142565	NC_021164.1	Ca_kabuli_chr05	1142565	AA	CC	1940319678
SNP_P1_86865_1143506	NC_021164.1	Ca_kabuli_chr05	1143506	CC	TT	1940319680
SNP_P1_86866_1143672	NC_021164.1	Ca_kabuli_chr05	1143672	AA	CC	1940319682
SNP_P1_86867_1143674	NC_021164.1	Ca_kabuli_chr05	1143674	TT	AA	1940319683
SNP_P1_86868_1143918	NC_021164.1	Ca_kabuli_chr05	1143918	GG	AA	1940319685
SNP_P1_86869_1145375	NC_021164.1	Ca_kabuli_chr05	1145375	GG	AA	1940319687
SNP_P1_86870_1151063	NC_021164.1	Ca_kabuli_chr05	1151063	CC	GG	1940319689
SNP_P1_86871_1151065	NC_021164.1	Ca_kabuli_chr05	1151065	CC	TT	1940319690
SNP_P1_86872_1159999	NC_021164.1	Ca_kabuli_chr05	1159999	CC	TT	1940319692
SNP_P1_86873_1172038	NC_021164.1	Ca_kabuli_chr05	1172038	TT	CC	1940319694

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86875_1191646	NC_021164.1	Ca_kabuli_chr05	1191646	AA	GG	1940319697
SNP_P1_86876_1191654	NC_021164.1	Ca_kabuli_chr05	1191654	TT	CC	1940319699
SNP_P1_86878_1230375	NC_021164.1	Ca_kabuli_chr05	1230375	TT	CC	1940319700
SNP_P1_86879_1230531	NC_021164.1	Ca_kabuli_chr05	1230531	TT	GG	1940319702
SNP_P1_86881_1234821	NC_021164.1	Ca_kabuli_chr05	1234821	AA	GG	1940319704
SNP_P1_86882_1236266	NC_021164.1	Ca_kabuli_chr05	1236266	CC	TT	1940319705
SNP_P1_86883_1238027	NC_021164.1	Ca_kabuli_chr05	1238027	CC	TT	1940319707
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SNP_P1_86885_1240425	NC_021164.1	Ca_kabuli_chr05	1240425	CC	AA	1940319710
SNP_P1_86886_1240431	NC_021164.1	Ca_kabuli_chr05	1240431	AA	CC	1940319712
SNP_P1_86887_1240438	NC_021164.1	Ca_kabuli_chr05	1240438	TT	GG	1940319714
SNP_P1_86888_1242457	NC_021164.1	Ca_kabuli_chr05	1242457	CC	TT	1940319715
SNP_P1_86889_1247250	NC_021164.1	Ca_kabuli_chr05	1247250	AA	TT	1940319717
SNP_P1_86890_1247253	NC_021164.1	Ca_kabuli_chr05	1247253	AA	GG	1940319719
SNP_P1_86892_1318528	NC_021164.1	Ca_kabuli_chr05	1318528	GG	AA	1940319720
SNP_P1_86893_1318557	NC_021164.1	Ca_kabuli_chr05	1318557	GG	AA	1940319722
SNP_P1_86894_1318592	NC_021164.1	Ca_kabuli_chr05	1318592	AA	GG	1940319724
SNP_P1_86895_1318593	NC_021164.1	Ca_kabuli_chr05	1318593	AA	TT	1940319725
SNP_P1_86896_1318652	NC_021164.1	Ca_kabuli_chr05	1318652	CC	TT	1940319727
SNP_P1_86897_1330499	NC_021164.1	Ca_kabuli_chr05	1330499	TT	GG	1940319729
SNP_P1_86898_1330752	NC_021164.1	Ca_kabuli_chr05	1330752	TT	CC	1940319730
SNP_P1_86899_1330754	NC_021164.1	Ca_kabuli_chr05	1330754	GG	AA	1940319732
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SNP_P1_86901_1336090	NC_021164.1	Ca_kabuli_chr05	1336090	TT	CC	1940319735
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SNP_P1_86906_1365052	NC_021164.1	Ca_kabuli_chr05	1365052	GG	CC	1940319742
SNP_P1_86907_1369217	NC_021164.1	Ca_kabuli_chr05	1369217	TT	GG	1940319744
SNP_P1_86908_1369629	NC_021164.1	Ca_kabuli_chr05	1369629	AA	CC	1940319745
SNP_P1_86909_1372095	NC_021164.1	Ca_kabuli_chr05	1372095	GG	AA	1940319747
SNP_P1_86910_1377765	NC_021164.1	Ca_kabuli_chr05	1377765	AA	GG	1940319749
SNP_P1_86911_1377828	NC_021164.1	Ca_kabuli_chr05	1377828	CC	TT	1940319750
SNP_P1_86912_1378008	NC_021164.1	Ca_kabuli_chr05	1378008	CC	TT	1940319752
SNP_P1_86913_1378261	NC_021164.1	Ca_kabuli_chr05	1378261	GG	TT	1940319754
SNP_P1_86914_1381130	NC_021164.1	Ca_kabuli_chr05	1381130	AA	GG	1940319755
SNP_P1_86915_1381184	NC_021164.1	Ca_kabuli_chr05	1381184	AA	GG	1940319757
SNP_P1_86916_1381483	NC_021164.1	Ca_kabuli_chr05	1381483	AA	TT	1940319759
SNP_P1_86917_1381542	NC_021164.1	Ca_kabuli_chr05	1381542	GG	AA	1940319760
SNP_P1_86919_1384080	NC_021164.1	Ca_kabuli_chr05	1384080	AA	GG	1940319762
SNP_P1_86920_1384596	NC_021164.1	Ca_kabuli_chr05	1384596	GG	AA	1940319764

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86923_1421801	NC_021164.1	Ca_kabuli_chr05	1421801	CC	AA	1940319769
SNP_P1_86924_1423317	NC_021164.1	Ca_kabuli_chr05	1423317	GG	AA	1940319770
SNP_P1_86925_1424768	NC_021164.1	Ca_kabuli_chr05	1424768	TT	GG	1940319772
SNP_P1_86926_1424820	NC_021164.1	Ca_kabuli_chr05	1424820	AA	GG	1940319774
SNP_P1_86927_1429371	NC_021164.1	Ca_kabuli_chr05	1429371	GG	CC	1940319775
SNP_P1_86928_1429380	NC_021164.1	Ca_kabuli_chr05	1429380	AA	CC	1940319777
SNP_P1_86929_1444270	NC_021164.1	Ca_kabuli_chr05	1444270	TT	CC	1940319779
SNP_P1_86930_1444273	NC_021164.1	Ca_kabuli_chr05	1444273	TT	AA	1940319780
SNP_P1_86931_1447657	NC_021164.1	Ca_kabuli_chr05	1447657	AA	GG	1940319782
SNP_P1_86934_1456255	NC_021164.1	Ca_kabuli_chr05	1456255	TT	CC	1940319784
SNP_P1_86935_1457014	NC_021164.1	Ca_kabuli_chr05	1457014	TT	AA	1940319785
SNP_P1_86936_1457054	NC_021164.1	Ca_kabuli_chr05	1457054	CC	AA	1940319787
SNP_P1_86937_1457222	NC_021164.1	Ca_kabuli_chr05	1457222	AA	GG	1940319789
SNP_P1_86938_1457460	NC_021164.1	Ca_kabuli_chr05	1457460	CC	TT	1940319790
SNP_P1_86939_1457500	NC_021164.1	Ca_kabuli_chr05	1457500	AA	CC	1940319792
SNP_P1_86940_1457506	NC_021164.1	Ca_kabuli_chr05	1457506	CC	TT	1940319794
SNP_P1_86941_1457528	NC_021164.1	Ca_kabuli_chr05	1457528	TT	CC	1940319795
SNP_P1_86942_1457583	NC_021164.1	Ca_kabuli_chr05	1457583	AA	CC	1940319797
SNP_P1_86943_1461908	NC_021164.1	Ca_kabuli_chr05	1461908	TT	CC	1940319799
SNP_P1_86944_1483052	NC_021164.1	Ca_kabuli_chr05	1483052	TT	AA	1940319800
SNP_P1_86945_1491932	NC_021164.1	Ca_kabuli_chr05	1491932	AA	GG	1940319802
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SNP_P1_86947_1497094	NC_021164.1	Ca_kabuli_chr05	1497094	AA	TT	1940319805
SNP_P1_86948_1497302	NC_021164.1	Ca_kabuli_chr05	1497302	TT	GG	1940319807
SNP_P1_86949_1498074	NC_021164.1	Ca_kabuli_chr05	1498074	AA	GG	1940319809
SNP_P1_86950_1509637	NC_021164.1	Ca_kabuli_chr05	1509637	GG	AA	1940319810
SNP_P1_86951_1510686	NC_021164.1	Ca_kabuli_chr05	1510686	CC	TT	1940319812
SNP_P1_86953_1510764	NC_021164.1	Ca_kabuli_chr05	1510764	TT	CC	1940319814
SNP_P1_86954_1510776	NC_021164.1	Ca_kabuli_chr05	1510776	GG	AA	1940319815
SNP_P1_86955_1510784	NC_021164.1	Ca_kabuli_chr05	1510784	CC	TT	1940319817
SNP_P1_86956_1510984	NC_021164.1	Ca_kabuli_chr05	1510984	AA	GG	1940319819
SNP_P1_86957_1511055	NC_021164.1	Ca_kabuli_chr05	1511055	TT	GG	1940319820
SNP_P1_86958_1511058	NC_021164.1	Ca_kabuli_chr05	1511058	AA	GG	1940319822
SNP_P1_86959_1511105	NC_021164.1	Ca_kabuli_chr05	1511105	GG	TT	1940319824
SNP_P1_86960_1511132	NC_021164.1	Ca_kabuli_chr05	1511132	CC	TT	1940319825
SNP_P1_86961_1511146	NC_021164.1	Ca_kabuli_chr05	1511146	AA	CC	1940319827
SNP_P1_86962_1511182	NC_021164.1	Ca_kabuli_chr05	1511182	AA	GG	1940319829
SNP_P1_86963_1511186	NC_021164.1	Ca_kabuli_chr05	1511186	GG	AA	1940319830
SNP_P1_86964_1521020	NC_021164.1	Ca_kabuli_chr05	1521020	GG	AA	1940319832
SNP_P1_86965_1521022	NC_021164.1	Ca_kabuli_chr05	1521022	TT	GG	1940319834

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_86967_1526616	NC_021164.1	Ca_kabuli_chr05	1526616	TT	GG	1940319837
SNP_P1_86968_1526707	NC_021164.1	Ca_kabuli_chr05	1526707	AA	GG	1940319839
SNP_P1_86969_1526713	NC_021164.1	Ca_kabuli_chr05	1526713	CC	TT	1940319841
SNP_P1_86970_1526729	NC_021164.1	Ca_kabuli_chr05	1526729	AA	TT	1940319842
SNP_P1_86971_1526732	NC_021164.1	Ca_kabuli_chr05	1526732	TT	GG	1940319844
SNP_P1_86972_1526745	NC_021164.1	Ca_kabuli_chr05	1526745	CC	TT	1940319846
SNP_P1_86973_1526757	NC_021164.1	Ca_kabuli_chr05	1526757	CC	TT	1940319847
SNP_P1_86974_1526768	NC_021164.1	Ca_kabuli_chr05	1526768	AA	GG	1940319849
SNP_P1_86975_1526793	NC_021164.1	Ca_kabuli_chr05	1526793	AA	GG	1940319851
SNP_P1_86976_1526807	NC_021164.1	Ca_kabuli_chr05	1526807	TT	AA	1940319852
SNP_P1_86977_1526814	NC_021164.1	Ca_kabuli_chr05	1526814	CC	TT	1940319854
SNP_P1_86978_1528101	NC_021164.1	Ca_kabuli_chr05	1528101	AA	GG	1940319856
SNP_P1_86979_1531675	NC_021164.1	Ca_kabuli_chr05	1531675	TT	CC	1940319857
SNP_P1_86980_1531685	NC_021164.1	Ca_kabuli_chr05	1531685	CC	AA	1940319859
SNP_P1_86981_1535157	NC_021164.1	Ca_kabuli_chr05	1535157	TT	CC	1940319861
SNP_P1_86982_1535169	NC_021164.1	Ca_kabuli_chr05	1535169	CC	AA	1940319862
SNP_P1_86983_1535175	NC_021164.1	Ca_kabuli_chr05	1535175	TT	AA	1940319864
SNP_P1_86984_1535311	NC_021164.1	Ca_kabuli_chr05	1535311	AA	CC	1940319866
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SNP_P1_86987_1535364	NC_021164.1	Ca_kabuli_chr05	1535364	CC	TT	1940319871
SNP_P1_86988_1535373	NC_021164.1	Ca_kabuli_chr05	1535373	AA	GG	1940319872
SNP_P1_86989_1535501	NC_021164.1	Ca_kabuli_chr05	1535501	TT	AA	1940319874
SNP_P1_86990_1537031	NC_021164.1	Ca_kabuli_chr05	1537031	AA	GG	1940319876
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SNP_P1_86994_1571927	NC_021164.1	Ca_kabuli_chr05	1571927	CC	TT	1940319881
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SNP_P1_86996_1607310	NC_021164.1	Ca_kabuli_chr05	1607310	GG	AA	1940319884
SNP_P1_86999_1678266	NC_021164.1	Ca_kabuli_chr05	1678266	GG	AA	1940319886
SNP_P1_87000_1679508	NC_021164.1	Ca_kabuli_chr05	1679508	AA	GG	1940319887
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SNP_P1_87008_1706471	NC_021164.1	Ca_kabuli_chr05	1706471	TT	GG	1940319901
SNP_P1_87009_1706697	NC_021164.1	Ca_kabuli_chr05	1706697	GG	AA	1940319902
SNP_P1_87010_1706711	NC_021164.1	Ca_kabuli_chr05	1706711	GG	TT	1940319904

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87014_1709824	NC_021164.1	Ca_kabuli_chr05	1709824	CC	TT	1940319909
SNP_P1_87015_1710617	NC_021164.1	Ca_kabuli_chr05	1710617	TT	GG	1940319911
SNP_P1_87016_1713353	NC_021164.1	Ca_kabuli_chr05	1713353	CC	AA	1940319912
SNP_P1_87017_1718981	NC_021164.1	Ca_kabuli_chr05	1718981	TT	CC	1940319914
SNP_P1_87018_1762436	NC_021164.1	Ca_kabuli_chr05	1762436	TT	CC	1940319916
SNP_P1_87019_1763590	NC_021164.1	Ca_kabuli_chr05	1763590	AA	TT	1940319918
SNP_P1_87020_1763605	NC_021164.1	Ca_kabuli_chr05	1763605	GG	TT	1940319919
SNP_P1_87021_1770300	NC_021164.1	Ca_kabuli_chr05	1770300	TT	CC	1940319921
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SNP_P1_87028_1780550	NC_021164.1	Ca_kabuli_chr05	1780550	AA	TT	1940319931
SNP_P1_87029_1785487	NC_021164.1	Ca_kabuli_chr05	1785487	TT	CC	1940319933
SNP_P1_87030_1785488	NC_021164.1	Ca_kabuli_chr05	1785488	GG	AA	1940319934
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SNP_P1_87033_1785880	NC_021164.1	Ca_kabuli_chr05	1785880	CC	TT	1940319939
SNP_P1_87034_1808443	NC_021164.1	Ca_kabuli_chr05	1808443	TT	CC	1940319941
SNP_P1_87035_1808744	NC_021164.1	Ca_kabuli_chr05	1808744	GG	AA	1940319943
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SNP_P1_87037_1808860	NC_021164.1	Ca_kabuli_chr05	1808860	TT	CC	1940319946
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SNP_P1_87039_1808867	NC_021164.1	Ca_kabuli_chr05	1808867	GG	AA	1940319949
SNP_P1_87040_1809094	NC_021164.1	Ca_kabuli_chr05	1809094	GG	TT	1940319951
SNP_P1_87041_1809399	NC_021164.1	Ca_kabuli_chr05	1809399	AA	GG	1940319953
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SNP_P1_87043_1809842	NC_021164.1	Ca_kabuli_chr05	1809842	AA	CC	1940319956
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SNP_P1_87045_1813406	NC_021164.1	Ca_kabuli_chr05	1813406	TT	GG	1940319959
SNP_P1_87046_1813576	NC_021164.1	Ca_kabuli_chr05	1813576	AA	GG	1940319961
SNP_P1_87047_1814836	NC_021164.1	Ca_kabuli_chr05	1814836	TT	GG	1940319963
SNP_P1_87048_1815812	NC_021164.1	Ca_kabuli_chr05	1815812	AA	GG	1940319964
SNP_P1_87049_1815886	NC_021164.1	Ca_kabuli_chr05	1815886	GG	AA	1940319966
SNP_P1_87050_1816062	NC_021164.1	Ca_kabuli_chr05	1816062	AA	TT	1940319968
SNP_P1_87051_1816123	NC_021164.1	Ca_kabuli_chr05	1816123	TT	AA	1940319969
SNP_P1_87052_1816273	NC_021164.1	Ca_kabuli_chr05	1816273	GG	TT	1940319971
SNP_P1_87053_1818299	NC_021164.1	Ca_kabuli_chr05	1818299	AA	GG	1940319973
SNP_P1_87054_1819071	NC_021164.1	Ca_kabuli_chr05	1819071	AA	TT	1940319974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_87055_1819163	NC_021164.1	Ca_kabuli_chr05	1819163	TT	AA	1940319976
SNP_P1_87056_1819229	NC_021164.1	Ca_kabuli_chr05	1819229	TT	GG	1940319978
SNP_P1_87057_1819315	NC_021164.1	Ca_kabuli_chr05	1819315	TT	CC	1940319979
SNP_P1_87058_1819416	NC_021164.1	Ca_kabuli_chr05	1819416	TT	CC	1940319981
SNP_P1_87059_1819778	NC_021164.1	Ca_kabuli_chr05	1819778	CC	TT	1940319983
SNP_P1_87060_1819781	NC_021164.1	Ca_kabuli_chr05	1819781	GG	TT	1940319984
SNP_P1_87061_1821016	NC_021164.1	Ca_kabuli_chr05	1821016	CC	GG	1940319986
SNP_P1_87062_1823388	NC_021164.1	Ca_kabuli_chr05	1823388	AA	TT	1940319988
SNP_P1_87063_1823410	NC_021164.1	Ca_kabuli_chr05	1823410	AA	TT	1940319990
SNP_P1_87064_1823430	NC_021164.1	Ca_kabuli_chr05	1823430	CC	AA	1940319991
SNP_P1_87065_1824030	NC_021164.1	Ca_kabuli_chr05	1824030	CC	TT	1940319993
SNP_P1_87066_1825489	NC_021164.1	Ca_kabuli_chr05	1825489	AA	CC	1940319995
SNP_P1_87067_1829280	NC_021164.1	Ca_kabuli_chr05	1829280	CC	GG	1940319996
SNP_P1_87068_1829559	NC_021164.1	Ca_kabuli_chr05	1829559	AA	GG	1940319998
SNP_P1_87069_1829568	NC_021164.1	Ca_kabuli_chr05	1829568	GG	AA	1940320000
SNP_P1_87070_1829577	NC_021164.1	Ca_kabuli_chr05	1829577	AA	TT	1940320001
SNP_P1_87071_1829597	NC_021164.1	Ca_kabuli_chr05	1829597	TT	CC	1940320003
SNP_P1_87072_1829609	NC_021164.1	Ca_kabuli_chr05	1829609	AA	GG	1940320005
SNP_P1_87074_1829613	NC_021164.1	Ca_kabuli_chr05	1829613	GG	AA	1940320006
SNP_P1_87075_1829616	NC_021164.1	Ca_kabuli_chr05	1829616	GG	AA	1940320008
SNP_P1_87076_1829658	NC_021164.1	Ca_kabuli_chr05	1829658	TT	CC	1940320010
SNP_P1_87077_1829674	NC_021164.1	Ca_kabuli_chr05	1829674	TT	GG	1940320011
SNP_P1_87078_1829682	NC_021164.1	Ca_kabuli_chr05	1829682	TT	GG	1940320013
SNP_P1_87079_1829716	NC_021164.1	Ca_kabuli_chr05	1829716	CC	TT	1940320015
SNP_P1_87080_1835608	NC_021164.1	Ca_kabuli_chr05	1835608	GG	TT	1940320016
SNP_P1_87081_1836026	NC_021164.1	Ca_kabuli_chr05	1836026	CC	TT	1940320018
SNP_P1_87082_1837567	NC_021164.1	Ca_kabuli_chr05	1837567	CC	TT	1940320020
SNP_P1_87083_1837964	NC_021164.1	Ca_kabuli_chr05	1837964	CC	GG	1940320021
SNP_P1_87084_1838474	NC_021164.1	Ca_kabuli_chr05	1838474	CC	TT	1940320023
SNP_P1_87085_1838685	NC_021164.1	Ca_kabuli_chr05	1838685	CC	TT	1940320025
SNP_P1_87086_1838769	NC_021164.1	Ca_kabuli_chr05	1838769	AA	CC	1940320026
SNP_P1_87087_1838931	NC_021164.1	Ca_kabuli_chr05	1838931	AA	CC	1940320028
SNP_P1_87088_1838952	NC_021164.1	Ca_kabuli_chr05	1838952	GG	AA	1940320030
SNP_P1_87089_1839258	NC_021164.1	Ca_kabuli_chr05	1839258	AA	GG	1940320031
SNP_P1_87090_1839395	NC_021164.1	Ca_kabuli_chr05	1839395	GG	AA	1940320033
SNP_P1_87091_1839403	NC_021164.1	Ca_kabuli_chr05	1839403	TT	AA	1940320035
SNP_P1_87092_1839441	NC_021164.1	Ca_kabuli_chr05	1839441	TT	AA	1940320036
SNP_P1_87093_1849198	NC_021164.1	Ca_kabuli_chr05	1849198	AA	GG	1940320038
SNP_P1_87094_1849394	NC_021164.1	Ca_kabuli_chr05	1849394	TT	CC	1940320040
SNP_P1_87095_1856665	NC_021164.1	Ca_kabuli_chr05	1856665	AA	CC	1940320041
SNP_P1_87096_1856720	NC_021164.1	Ca_kabuli_chr05	1856720	TT	AA	1940320043
SNP_P1_87097_1856745	NC_021164.1	Ca_kabuli_chr05	1856745	AA	TT	1940320045

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87099_1856764	NC_021164.1	Ca_kabuli_chr05	1856764	AA	GG	1940320048
SNP_P1_87100_1863460	NC_021164.1	Ca_kabuli_chr05	1863460	TT	CC	1940320050
SNP_P1_87101_1863745	NC_021164.1	Ca_kabuli_chr05	1863745	TT	CC	1940320051
SNP_P1_87102_1863770	NC_021164.1	Ca_kabuli_chr05	1863770	AA	TT	1940320053
SNP_P1_87103_1864412	NC_021164.1	Ca_kabuli_chr05	1864412	CC	TT	1940320055
SNP_P1_87104_1875027	NC_021164.1	Ca_kabuli_chr05	1875027	GG	AA	1940320056
SNP_P1_87105_1875952	NC_021164.1	Ca_kabuli_chr05	1875952	GG	AA	1940320058
SNP_P1_87106_1875991	NC_021164.1	Ca_kabuli_chr05	1875991	AA	GG	1940320060
SNP_P1_87107_1876046	NC_021164.1	Ca_kabuli_chr05	1876046	GG	TT	1940320061
SNP_P1_87108_1876054	NC_021164.1	Ca_kabuli_chr05	1876054	GG	AA	1940320063
SNP_P1_87109_1876075	NC_021164.1	Ca_kabuli_chr05	1876075	GG	AA	1940320065
SNP_P1_87110_1876080	NC_021164.1	Ca_kabuli_chr05	1876080	AA	GG	1940320067
SNP_P1_87111_1876108	NC_021164.1	Ca_kabuli_chr05	1876108	CC	TT	1940320068
SNP_P1_87112_1876141	NC_021164.1	Ca_kabuli_chr05	1876141	AA	GG	1940320070
SNP_P1_87114_1876286	NC_021164.1	Ca_kabuli_chr05	1876286	GG	AA	1940320072
SNP_P1_87115_1878825	NC_021164.1	Ca_kabuli_chr05	1878825	CC	AA	1940320073
SNP_P1_87116_1878847	NC_021164.1	Ca_kabuli_chr05	1878847	CC	AA	1940320075
SNP_P1_87117_1878876	NC_021164.1	Ca_kabuli_chr05	1878876	GG	CC	1940320077
SNP_P1_87118_1879096	NC_021164.1	Ca_kabuli_chr05	1879096	GG	AA	1940320078
SNP_P1_87119_1879097	NC_021164.1	Ca_kabuli_chr05	1879097	TT	CC	1940320080
SNP_P1_87120_1879108	NC_021164.1	Ca_kabuli_chr05	1879108	CC	TT	1940320082
SNP_P1_87121_1879171	NC_021164.1	Ca_kabuli_chr05	1879171	GG	AA	1940320083
SNP_P1_87122_1881922	NC_021164.1	Ca_kabuli_chr05	1881922	AA	CC	1940320085
SNP_P1_87123_1887479	NC_021164.1	Ca_kabuli_chr05	1887479	TT	AA	1940320087
SNP_P1_87124_1887646	NC_021164.1	Ca_kabuli_chr05	1887646	GG	AA	1940320088
SNP_P1_87125_1887780	NC_021164.1	Ca_kabuli_chr05	1887780	CC	TT	1940320090
SNP_P1_87126_1887808	NC_021164.1	Ca_kabuli_chr05	1887808	TT	GG	1940320092
SNP_P1_87128_1887892	NC_021164.1	Ca_kabuli_chr05	1887892	CC	AA	1940320093
SNP_P1_87129_1887971	NC_021164.1	Ca_kabuli_chr05	1887971	CC	TT	1940320095
SNP_P1_87130_1888027	NC_021164.1	Ca_kabuli_chr05	1888027	GG	CC	1940320097
SNP_P1_87131_1888190	NC_021164.1	Ca_kabuli_chr05	1888190	CC	AA	1940320098
SNP_P1_87132_1888368	NC_021164.1	Ca_kabuli_chr05	1888368	CC	TT	1940320100
SNP_P1_87133_1888594	NC_021164.1	Ca_kabuli_chr05	1888594	GG	AA	1940320102
SNP_P1_87134_1890745	NC_021164.1	Ca_kabuli_chr05	1890745	AA	GG	1940320103
SNP_P1_87135_1892451	NC_021164.1	Ca_kabuli_chr05	1892451	AA	GG	1940320105
SNP_P1_87136_1899051	NC_021164.1	Ca_kabuli_chr05	1899051	TT	CC	1940320107
SNP_P1_87137_1899081	NC_021164.1	Ca_kabuli_chr05	1899081	GG	AA	1940320108
SNP_P1_87138_1899105	NC_021164.1	Ca_kabuli_chr05	1899105	TT	AA	1940320110
SNP_P1_87139_1899471	NC_021164.1	Ca_kabuli_chr05	1899471	AA	TT	1940320112
SNP_P1_87140_1899530	NC_021164.1	Ca_kabuli_chr05	1899530	TT	CC	1940320113
SNP_P1_87141_1902831	NC_021164.1	Ca_kabuli_chr05	1902831	CC	TT	1940320115

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_87142_1904275	NC_021164.1	Ca_kabuli_chr05	1904275	AA	CC	1940320117
SNP_P1_87143_1904306	NC_021164.1	Ca_kabuli_chr05	1904306	AA	TT	1940320118
SNP_P1_87144_1905007	NC_021164.1	Ca_kabuli_chr05	1905007	CC	AA	1940320120
SNP_P1_87145_1905049	NC_021164.1	Ca_kabuli_chr05	1905049	TT	CC	1940320122
SNP_P1_87146_1905448	NC_021164.1	Ca_kabuli_chr05	1905448	AA	GG	1940320124
SNP_P1_87147_1905616	NC_021164.1	Ca_kabuli_chr05	1905616	GG	CC	1940320125
SNP_P1_87148_1905821	NC_021164.1	Ca_kabuli_chr05	1905821	TT	GG	1940320127
SNP_P1_87149_1909969	NC_021164.1	Ca_kabuli_chr05	1909969	GG	AA	1940320129
SNP_P1_87150_1911394	NC_021164.1	Ca_kabuli_chr05	1911394	GG	CC	1940320130
SNP_P1_87151_1911672	NC_021164.1	Ca_kabuli_chr05	1911672	TT	AA	1940320132
SNP_P1_87152_1925615	NC_021164.1	Ca_kabuli_chr05	1925615	CC	TT	1940320134
SNP_P1_87153_1925627	NC_021164.1	Ca_kabuli_chr05	1925627	AA	GG	1940320135
SNP_P1_87154_1925675	NC_021164.1	Ca_kabuli_chr05	1925675	CC	TT	1940320137
SNP_P1_87155_1925719	NC_021164.1	Ca_kabuli_chr05	1925719	GG	AA	1940320139
SNP_P1_87156_1925741	NC_021164.1	Ca_kabuli_chr05	1925741	AA	CC	1940320140
SNP_P1_87157_1925939	NC_021164.1	Ca_kabuli_chr05	1925939	CC	TT	1940320142
SNP_P1_87158_1925976	NC_021164.1	Ca_kabuli_chr05	1925976	GG	CC	1940320144
SNP_P1_87159_1926016	NC_021164.1	Ca_kabuli_chr05	1926016	AA	CC	1940320145
SNP_P1_87160_1926041	NC_021164.1	Ca_kabuli_chr05	1926041	AA	GG	1940320147
SNP_P1_87161_1926073	NC_021164.1	Ca_kabuli_chr05	1926073	GG	TT	1940320149
SNP_P1_87162_1927001	NC_021164.1	Ca_kabuli_chr05	1927001	AA	GG	1940320150
SNP_P1_87163_1930902	NC_021164.1	Ca_kabuli_chr05	1930902	CC	TT	1940320152
SNP_P1_87164_1937732	NC_021164.1	Ca_kabuli_chr05	1937732	GG	AA	1940320154
SNP_P1_87165_1943005	NC_021164.1	Ca_kabuli_chr05	1943005	CC	AA	1940320155
SNP_P1_87166_1945468	NC_021164.1	Ca_kabuli_chr05	1945468	TT	CC	1940320157
SNP_P1_87167_1948399	NC_021164.1	Ca_kabuli_chr05	1948399	GG	AA	1940320159
SNP_P1_87168_1950116	NC_021164.1	Ca_kabuli_chr05	1950116	GG	CC	1940320160
SNP_P1_87169_1957693	NC_021164.1	Ca_kabuli_chr05	1957693	GG	AA	1940320162
SNP_P1_87170_1960624	NC_021164.1	Ca_kabuli_chr05	1960624	AA	GG	1940320164
SNP_P1_87171_1964796	NC_021164.1	Ca_kabuli_chr05	1964796	GG	AA	1940320165
SNP_P1_87172_1965184	NC_021164.1	Ca_kabuli_chr05	1965184	TT	CC	1940320167
SNP_P1_87174_1970589	NC_021164.1	Ca_kabuli_chr05	1970589	GG	AA	1940320169
SNP_P1_87175_1972154	NC_021164.1	Ca_kabuli_chr05	1972154	AA	TT	1940320170
SNP_P1_87176_1973944	NC_021164.1	Ca_kabuli_chr05	1973944	CC	GG	1940320172
SNP_P1_87177_1980117	NC_021164.1	Ca_kabuli_chr05	1980117	GG	TT	1940320174
SNP_P1_87178_1980428	NC_021164.1	Ca_kabuli_chr05	1980428	AA	GG	1940320176
SNP_P1_87179_1980456	NC_021164.1	Ca_kabuli_chr05	1980456	AA	GG	1940320177
SNP_P1_87180_1981118	NC_021164.1	Ca_kabuli_chr05	1981118	CC	TT	1940320179
SNP_P1_87181_1983494	NC_021164.1	Ca_kabuli_chr05	1983494	TT	CC	1940320181
SNP_P1_87182_1983501	NC_021164.1	Ca_kabuli_chr05	1983501	AA	CC	1940320182
SNP_P1_87183_1986257	NC_021164.1	Ca_kabuli_chr05	1986257	TT	AA	1940320184
SNP_P1_87184_1990550	NC_021164.1	Ca_kabuli_chr05	1990550	GG	AA	1940320186

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_87185_1990681	NC_021164.1	Ca_kabuli_chr05	1990681	GG	AA	1940320187
SNP_P1_87186_1993250	NC_021164.1	Ca_kabuli_chr05	1993250	GG	AA	1940320189
SNP_P1_87187_1994562	NC_021164.1	Ca_kabuli_chr05	1994562	TT	CC	1940320191
SNP_P1_87188_1994663	NC_021164.1	Ca_kabuli_chr05	1994663	CC	TT	1940320192
SNP_P1_87189_1994738	NC_021164.1	Ca_kabuli_chr05	1994738	CC	GG	1940320194
SNP_P1_87190_1994936	NC_021164.1	Ca_kabuli_chr05	1994936	CC	TT	1940320196
SNP_P1_87191_1995023	NC_021164.1	Ca_kabuli_chr05	1995023	AA	TT	1940320197
SNP_P1_87192_1995129	NC_021164.1	Ca_kabuli_chr05	1995129	AA	TT	1940320199
SNP_P1_87193_1995157	NC_021164.1	Ca_kabuli_chr05	1995157	CC	GG	1940320201
SNP_P1_87194_1995279	NC_021164.1	Ca_kabuli_chr05	1995279	TT	AA	1940320202
SNP_P1_87195_1995396	NC_021164.1	Ca_kabuli_chr05	1995396	TT	AA	1940320204
SNP_P1_87196_1995414	NC_021164.1	Ca_kabuli_chr05	1995414	CC	TT	1940320206
SNP_P1_87198_1995563	NC_021164.1	Ca_kabuli_chr05	1995563	GG	CC	1940320207
SNP_P1_87199_1995634	NC_021164.1	Ca_kabuli_chr05	1995634	GG	AA	1940320209
SNP_P1_87200_1995644	NC_021164.1	Ca_kabuli_chr05	1995644	TT	AA	1940320211
SNP_P1_87201_2000474	NC_021164.1	Ca_kabuli_chr05	2000474	AA	GG	1940320212
SNP_P1_87202_2000494	NC_021164.1	Ca_kabuli_chr05	2000494	AA	GG	1940320214
SNP_P1_87203_2000590	NC_021164.1	Ca_kabuli_chr05	2000590	TT	CC	1940320216
SNP_P1_87204_2000669	NC_021164.1	Ca_kabuli_chr05	2000669	CC	TT	1940320217
SNP_P1_87205_2000695	NC_021164.1	Ca_kabuli_chr05	2000695	AA	TT	1940320219
SNP_P1_87206_2000730	NC_021164.1	Ca_kabuli_chr05	2000730	AA	TT	1940320221
SNP_P1_87207_2001280	NC_021164.1	Ca_kabuli_chr05	2001280	GG	AA	1940320222
SNP_P1_87208_2006878	NC_021164.1	Ca_kabuli_chr05	2006878	AA	TT	1940320224
SNP_P1_87209_2008849	NC_021164.1	Ca_kabuli_chr05	2008849	TT	CC	1940320226
SNP_P1_87210_2008870	NC_021164.1	Ca_kabuli_chr05	2008870	AA	CC	1940320227
SNP_P1_87211_2008885	NC_021164.1	Ca_kabuli_chr05	2008885	TT	CC	1940320229
SNP_P1_87212_2008903	NC_021164.1	Ca_kabuli_chr05	2008903	CC	TT	1940320231
SNP_P1_87213_2008948	NC_021164.1	Ca_kabuli_chr05	2008948	CC	TT	1940320233
SNP_P1_87214_2009063	NC_021164.1	Ca_kabuli_chr05	2009063	TT	CC	1940320234
SNP_P1_87215_2009136	NC_021164.1	Ca_kabuli_chr05	2009136	AA	GG	1940320236
SNP_P1_87216_2017091	NC_021164.1	Ca_kabuli_chr05	2017091	AA	GG	1940320238
SNP_P1_87217_2017230	NC_021164.1	Ca_kabuli_chr05	2017230	TT	AA	1940320239
SNP_P1_87218_2018530	NC_021164.1	Ca_kabuli_chr05	2018530	AA	GG	1940320241
SNP_P1_87219_2018786	NC_021164.1	Ca_kabuli_chr05	2018786	TT	AA	1940320243
SNP_P1_87220_2018814	NC_021164.1	Ca_kabuli_chr05	2018814	AA	GG	1940320244
SNP_P1_87221_2018925	NC_021164.1	Ca_kabuli_chr05	2018925	TT	CC	1940320246
SNP_P1_87222_2019065	NC_021164.1	Ca_kabuli_chr05	2019065	AA	TT	1940320248
SNP_P1_87223_2019380	NC_021164.1	Ca_kabuli_chr05	2019380	GG	TT	1940320249
SNP_P1_87224_2033219	NC_021164.1	Ca_kabuli_chr05	2033219	AA	TT	1940320251
SNP_P1_87225_2034538	NC_021164.1	Ca_kabuli_chr05	2034538	AA	GG	1940320253
SNP_P1_87226_2034770	NC_021164.1	Ca_kabuli_chr05	2034770	TT	CC	1940320254
SNP_P1_87227_2035931	NC_021164.1	Ca_kabuli_chr05	2035931	GG	AA	1940320256

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_87228_2043227	NC_021164.1	Ca_kabuli_chr05	2043227	CC	GG	1940320258
SNP_P1_87229_2043286	NC_021164.1	Ca_kabuli_chr05	2043286	GG	AA	1940320259
SNP_P1_87230_2043314	NC_021164.1	Ca_kabuli_chr05	2043314	AA	CC	1940320261
SNP_P1_87231_2085441	NC_021164.1	Ca_kabuli_chr05	2085441	CC	AA	1940320263
SNP_P1_87232_2085507	NC_021164.1	Ca_kabuli_chr05	2085507	AA	CC	1940320264
SNP_P1_87233_2085566	NC_021164.1	Ca_kabuli_chr05	2085566	TT	GG	1940320266
SNP_P1_87234_2085894	NC_021164.1	Ca_kabuli_chr05	2085894	GG	AA	1940320268
SNP_P1_87235_2095028	NC_021164.1	Ca_kabuli_chr05	2095028	GG	AA	1940320269
SNP_P1_87236_2095029	NC_021164.1	Ca_kabuli_chr05	2095029	TT	AA	1940320271
SNP_P1_87237_2095051	NC_021164.1	Ca_kabuli_chr05	2095051	AA	GG	1940320273
SNP_P1_87238_2096641	NC_021164.1	Ca_kabuli_chr05	2096641	TT	CC	1940320274
SNP_P1_87239_2096856	NC_021164.1	Ca_kabuli_chr05	2096856	GG	CC	1940320276
SNP_P1_87240_2096863	NC_021164.1	Ca_kabuli_chr05	2096863	AA	GG	1940320278
SNP_P1_87241_2097032	NC_021164.1	Ca_kabuli_chr05	2097032	TT	AA	1940320279
SNP_P1_87242_2097039	NC_021164.1	Ca_kabuli_chr05	2097039	CC	TT	1940320281
SNP_P1_87243_2097072	NC_021164.1	Ca_kabuli_chr05	2097072	AA	TT	1940320283
SNP_P1_87244_2097073	NC_021164.1	Ca_kabuli_chr05	2097073	GG	TT	1940320285
SNP_P1_87245_2097357	NC_021164.1	Ca_kabuli_chr05	2097357	AA	CC	1940320286
SNP_P1_87246_2098803	NC_021164.1	Ca_kabuli_chr05	2098803	GG	AA	1940320288
SNP_P1_87247_2098818	NC_021164.1	Ca_kabuli_chr05	2098818	CC	TT	1940320290
SNP_P1_87248_2098889	NC_021164.1	Ca_kabuli_chr05	2098889	TT	CC	1940320291
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SNP_P1_87253_2120737	NC_021164.1	Ca_kabuli_chr05	2120737	CC	GG	1940320295
SNP_P1_87254_2131461	NC_021164.1	Ca_kabuli_chr05	2131461	TT	CC	1940320296
SNP_P1_87255_2131587	NC_021164.1	Ca_kabuli_chr05	2131587	CC	TT	1940320298
SNP_P1_87256_2131647	NC_021164.1	Ca_kabuli_chr05	2131647	GG	TT	1940320300
SNP_P1_87257_2131711	NC_021164.1	Ca_kabuli_chr05	2131711	AA	GG	1940320301
SNP_P1_87259_2140843	NC_021164.1	Ca_kabuli_chr05	2140843	TT	AA	1940320303
SNP_P1_87260_2141214	NC_021164.1	Ca_kabuli_chr05	2141214	GG	AA	1940320305
SNP_P1_87262_2192022	NC_021164.1	Ca_kabuli_chr05	2192022	CC	AA	1940320306
SNP_P1_87263_2192099	NC_021164.1	Ca_kabuli_chr05	2192099	GG	AA	1940320308
SNP_P1_87264_2192120	NC_021164.1	Ca_kabuli_chr05	2192120	TT	AA	1940320310
SNP_P1_87266_2194591	NC_021164.1	Ca_kabuli_chr05	2194591	CC	TT	1940320311
SNP_P1_87267_2194599	NC_021164.1	Ca_kabuli_chr05	2194599	GG	AA	1940320313
SNP_P1_87268_2208025	NC_021164.1	Ca_kabuli_chr05	2208025	AA	TT	1940320315
SNP_P1_87269_2237012	NC_021164.1	Ca_kabuli_chr05	2237012	TT	AA	1940320316
SNP_P1_87270_2246937	NC_021164.1	Ca_kabuli_chr05	2246937	CC	TT	1940320318
SNP_P1_87271_2246973	NC_021164.1	Ca_kabuli_chr05	2246973	TT	CC	1940320320
SNP_P1_87272_2246974	NC_021164.1	Ca_kabuli_chr05	2246974	TT	GG	1940320321
SNP_P1_87273_2247000	NC_021164.1	Ca_kabuli_chr05	2247000	CC	TT	1940320323
SNP_P1_87274_2247015	NC_021164.1	Ca_kabuli_chr05	2247015	AA	GG	1940320325
SNP_P1_87275_2247024	NC_021164.1	Ca_kabuli_chr05	2247024	AA	GG	1940320326

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87277_2248455	NC_021164.1	Ca_kabuli_chr05	2248455	AA	GG	1940320330
SNP_P1_87278_2272415	NC_021164.1	Ca_kabuli_chr05	2272415	TT	AA	1940320331
SNP_P1_87280_2277811	NC_021164.1	Ca_kabuli_chr05	2277811	AA	GG	1940320333
SNP_P1_87281_2291160	NC_021164.1	Ca_kabuli_chr05	2291160	CC	TT	1940320335
SNP_P1_87282_2293141	NC_021164.1	Ca_kabuli_chr05	2293141	GG	AA	1940320337
SNP_P1_87283_2293144	NC_021164.1	Ca_kabuli_chr05	2293144	TT	GG	1940320338
SNP_P1_87284_2293943	NC_021164.1	Ca_kabuli_chr05	2293943	CC	GG	1940320340
SNP_P1_87285_2295090	NC_021164.1	Ca_kabuli_chr05	2295090	TT	CC	1940320342
SNP_P1_87287_2296517	NC_021164.1	Ca_kabuli_chr05	2296517	GG	AA	1940320343
SNP_P1_87288_2302945	NC_021164.1	Ca_kabuli_chr05	2302945	AA	GG	1940320345
SNP_P1_87289_2304566	NC_021164.1	Ca_kabuli_chr05	2304566	TT	CC	1940320347
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SNP_P1_87291_2305434	NC_021164.1	Ca_kabuli_chr05	2305434	TT	CC	1940320350
SNP_P1_87292_2323228	NC_021164.1	Ca_kabuli_chr05	2323228	CC	TT	1940320352
SNP_P1_87293_2323342	NC_021164.1	Ca_kabuli_chr05	2323342	TT	CC	1940320353
SNP_P1_87294_2323425	NC_021164.1	Ca_kabuli_chr05	2323425	CC	TT	1940320355
SNP_P1_87296_2323476	NC_021164.1	Ca_kabuli_chr05	2323476	TT	GG	1940320357
SNP_P1_87297_2323564	NC_021164.1	Ca_kabuli_chr05	2323564	GG	AA	1940320358
SNP_P1_87298_2323590	NC_021164.1	Ca_kabuli_chr05	2323590	AA	GG	1940320360
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SNP_P1_87301_2323685	NC_021164.1	Ca_kabuli_chr05	2323685	GG	AA	1940320365
SNP_P1_87302_2323727	NC_021164.1	Ca_kabuli_chr05	2323727	TT	CC	1940320367
SNP_P1_87304_2323763	NC_021164.1	Ca_kabuli_chr05	2323763	CC	TT	1940320368
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SNP_P1_87306_2323904	NC_021164.1	Ca_kabuli_chr05	2323904	TT	CC	1940320372
SNP_P1_87307_2323935	NC_021164.1	Ca_kabuli_chr05	2323935	TT	AA	1940320373
SNP_P1_87308_2323965	NC_021164.1	Ca_kabuli_chr05	2323965	GG	AA	1940320375
SNP_P1_87309_2324076	NC_021164.1	Ca_kabuli_chr05	2324076	GG	AA	1940320377
SNP_P1_87310_2324109	NC_021164.1	Ca_kabuli_chr05	2324109	TT	CC	1940320378
SNP_P1_87311_2324326	NC_021164.1	Ca_kabuli_chr05	2324326	AA	CC	1940320380
SNP_P1_87312_2324393	NC_021164.1	Ca_kabuli_chr05	2324393	CC	GG	1940320382
SNP_P1_87313_2324394	NC_021164.1	Ca_kabuli_chr05	2324394	CC	TT	1940320383
SNP_P1_87314_2324397	NC_021164.1	Ca_kabuli_chr05	2324397	TT	AA	1940320385
SNP_P1_87315_2324410	NC_021164.1	Ca_kabuli_chr05	2324410	TT	GG	1940320387
SNP_P1_87316_2324438	NC_021164.1	Ca_kabuli_chr05	2324438	CC	TT	1940320388
SNP_P1_87317_2324452	NC_021164.1	Ca_kabuli_chr05	2324452	TT	AA	1940320390
SNP_P1_87318_2324454	NC_021164.1	Ca_kabuli_chr05	2324454	AA	TT	1940320392
SNP_P1_87319_2324535	NC_021164.1	Ca_kabuli_chr05	2324535	TT	GG	1940320393
SNP_P1_87320_2324573	NC_021164.1	Ca_kabuli_chr05	2324573	TT	GG	1940320395
SNP_P1_87321_2324665	NC_021164.1	Ca_kabuli_chr05	2324665	AA	GG	1940320397

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87324_2324815	NC_021164.1	Ca_kabuli_chr05	2324815	GG	CC	1940320402
SNP_P1_87325_2324845	NC_021164.1	Ca_kabuli_chr05	2324845	TT	AA	1940320404
SNP_P1_87326_2324934	NC_021164.1	Ca_kabuli_chr05	2324934	TT	CC	1940320405
SNP_P1_87327_2325033	NC_021164.1	Ca_kabuli_chr05	2325033	TT	CC	1940320407
SNP_P1_87328_2325042	NC_021164.1	Ca_kabuli_chr05	2325042	TT	CC	1940320409
SNP_P1_87329_2325063	NC_021164.1	Ca_kabuli_chr05	2325063	TT	AA	1940320410
SNP_P1_87330_2325064	NC_021164.1	Ca_kabuli_chr05	2325064	AA	GG	1940320412
SNP_P1_87331_2325154	NC_021164.1	Ca_kabuli_chr05	2325154	TT	AA	1940320414
SNP_P1_87332_2325270	NC_021164.1	Ca_kabuli_chr05	2325270	AA	TT	1940320415
SNP_P1_87333_2325298	NC_021164.1	Ca_kabuli_chr05	2325298	CC	GG	1940320417
SNP_P1_87334_2325367	NC_021164.1	Ca_kabuli_chr05	2325367	TT	CC	1940320419
SNP_P1_87335_2325458	NC_021164.1	Ca_kabuli_chr05	2325458	GG	AA	1940320420
SNP_P1_87336_2325624	NC_021164.1	Ca_kabuli_chr05	2325624	GG	TT	1940320422
SNP_P1_87337_2325629	NC_021164.1	Ca_kabuli_chr05	2325629	TT	CC	1940320424
SNP_P1_87338_2325635	NC_021164.1	Ca_kabuli_chr05	2325635	TT	GG	1940320425
SNP_P1_87339_2325881	NC_021164.1	Ca_kabuli_chr05	2325881	GG	TT	1940320427
SNP_P1_87340_2325928	NC_021164.1	Ca_kabuli_chr05	2325928	TT	CC	1940320429
SNP_P1_87341_2326014	NC_021164.1	Ca_kabuli_chr05	2326014	GG	CC	1940320430
SNP_P1_87342_2326349	NC_021164.1	Ca_kabuli_chr05	2326349	TT	AA	1940320432
SNP_P1_87343_2326682	NC_021164.1	Ca_kabuli_chr05	2326682	AA	CC	1940320434
SNP_P1_87344_2326710	NC_021164.1	Ca_kabuli_chr05	2326710	CC	TT	1940320435
SNP_P1_87345_2326744	NC_021164.1	Ca_kabuli_chr05	2326744	CC	TT	1940320437
SNP_P1_87346_2326793	NC_021164.1	Ca_kabuli_chr05	2326793	AA	CC	1940320439
SNP_P1_87347_2326919	NC_021164.1	Ca_kabuli_chr05	2326919	AA	TT	1940320441
SNP_P1_87348_2326968	NC_021164.1	Ca_kabuli_chr05	2326968	AA	GG	1940320442
SNP_P1_87349_2327108	NC_021164.1	Ca_kabuli_chr05	2327108	AA	CC	1940320444
SNP_P1_87350_2327170	NC_021164.1	Ca_kabuli_chr05	2327170	CC	AA	1940320446
SNP_P1_87351_2327178	NC_021164.1	Ca_kabuli_chr05	2327178	AA	TT	1940320447
SNP_P1_87352_2327210	NC_021164.1	Ca_kabuli_chr05	2327210	TT	GG	1940320449
SNP_P1_87353_2327225	NC_021164.1	Ca_kabuli_chr05	2327225	TT	CC	1940320451
SNP_P1_87355_2327313	NC_021164.1	Ca_kabuli_chr05	2327313	AA	GG	1940320452
SNP_P1_87356_2327323	NC_021164.1	Ca_kabuli_chr05	2327323	AA	GG	1940320454
SNP_P1_87357_2327360	NC_021164.1	Ca_kabuli_chr05	2327360	AA	GG	1940320456
SNP_P1_87358_2327383	NC_021164.1	Ca_kabuli_chr05	2327383	TT	CC	1940320457
SNP_P1_87359_2327390	NC_021164.1	Ca_kabuli_chr05	2327390	GG	TT	1940320459
SNP_P1_87360_2327440	NC_021164.1	Ca_kabuli_chr05	2327440	AA	CC	1940320461
SNP_P1_87361_2327472	NC_021164.1	Ca_kabuli_chr05	2327472	AA	GG	1940320462
SNP_P1_87362_2327524	NC_021164.1	Ca_kabuli_chr05	2327524	TT	CC	1940320464
SNP_P1_87363_2327591	NC_021164.1	Ca_kabuli_chr05	2327591	TT	CC	1940320466
SNP_P1_87364_2327912	NC_021164.1	Ca_kabuli_chr05	2327912	TT	AA	1940320467

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87366_2327980	NC_021164.1	Ca_kabuli_chr05	2327980	CC	TT	1940320471
SNP_P1_87367_2328128	NC_021164.1	Ca_kabuli_chr05	2328128	TT	CC	1940320472
SNP_P1_87368_2328450	NC_021164.1	Ca_kabuli_chr05	2328450	GG	AA	1940320474
SNP_P1_87369_2328451	NC_021164.1	Ca_kabuli_chr05	2328451	GG	AA	1940320476
SNP_P1_87370_2328485	NC_021164.1	Ca_kabuli_chr05	2328485	AA	GG	1940320477
SNP_P1_87371_2340150	NC_021164.1	Ca_kabuli_chr05	2340150	GG	AA	1940320479
SNP_P1_87372_2340183	NC_021164.1	Ca_kabuli_chr05	2340183	TT	CC	1940320481
SNP_P1_87373_2340729	NC_021164.1	Ca_kabuli_chr05	2340729	TT	GG	1940320482
SNP_P1_87374_2355438	NC_021164.1	Ca_kabuli_chr05	2355438	AA	GG	1940320484
SNP_P1_87375_2355661	NC_021164.1	Ca_kabuli_chr05	2355661	GG	TT	1940320486
SNP_P1_87376_2355776	NC_021164.1	Ca_kabuli_chr05	2355776	AA	CC	1940320487
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SNP_P1_87380_2375722	NC_021164.1	Ca_kabuli_chr05	2375722	AA	TT	1940320492
SNP_P1_87381_2375735	NC_021164.1	Ca_kabuli_chr05	2375735	GG	AA	1940320494
SNP_P1_87382_2380011	NC_021164.1	Ca_kabuli_chr05	2380011	CC	AA	1940320496
SNP_P1_87383_2384877	NC_021164.1	Ca_kabuli_chr05	2384877	GG	AA	1940320497
SNP_P1_87384_2384952	NC_021164.1	Ca_kabuli_chr05	2384952	TT	CC	1940320499
SNP_P1_87385_2384964	NC_021164.1	Ca_kabuli_chr05	2384964	AA	TT	1940320501
SNP_P1_87386_2399272	NC_021164.1	Ca_kabuli_chr05	2399272	CC	TT	1940320502
SNP_P1_87387_2402433	NC_021164.1	Ca_kabuli_chr05	2402433	TT	CC	1940320504
SNP_P1_87388_2402545	NC_021164.1	Ca_kabuli_chr05	2402545	AA	CC	1940320506
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SNP_P1_87392_2409065	NC_021164.1	Ca_kabuli_chr05	2409065	GG	AA	1940320512
SNP_P1_87393_2412356	NC_021164.1	Ca_kabuli_chr05	2412356	GG	AA	1940320514
SNP_P1_87394_2420874	NC_021164.1	Ca_kabuli_chr05	2420874	TT	CC	1940320516
SNP_P1_87395_2421104	NC_021164.1	Ca_kabuli_chr05	2421104	CC	GG	1940320518
SNP_P1_87396_2421141	NC_021164.1	Ca_kabuli_chr05	2421141	TT	CC	1940320519
SNP_P1_87398_2453013	NC_021164.1	Ca_kabuli_chr05	2453013	TT	CC	1940320521
SNP_P1_87399_2454809	NC_021164.1	Ca_kabuli_chr05	2454809	AA	CC	1940320523
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SNP_P1_87402_2495578	NC_021164.1	Ca_kabuli_chr05	2495578	GG	TT	1940320526
SNP_P1_87403_2500501	NC_021164.1	Ca_kabuli_chr05	2500501	AA	GG	1940320528
SNP_P1_87404_2504088	NC_021164.1	Ca_kabuli_chr05	2504088	TT	AA	1940320529
SNP_P1_87405_2504098	NC_021164.1	Ca_kabuli_chr05	2504098	TT	AA	1940320531
SNP_P1_87406_2508755	NC_021164.1	Ca_kabuli_chr05	2508755	GG	AA	1940320533
SNP_P1_87407_2508757	NC_021164.1	Ca_kabuli_chr05	2508757	GG	CC	1940320534
SNP_P1_87408_2508771	NC_021164.1	Ca_kabuli_chr05	2508771	TT	CC	1940320536
SNP_P1_87409_2512835	NC_021164.1	Ca_kabuli_chr05	2512835	AA	CC	1940320538

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87412_2519587	NC_021164.1	Ca_kabuli_chr05	2519587	AA	GG	1940320543
SNP_P1_87413_2519764	NC_021164.1	Ca_kabuli_chr05	2519764	TT	CC	1940320544
SNP_P1_87414_2519816	NC_021164.1	Ca_kabuli_chr05	2519816	CC	AA	1940320546
SNP_P1_87417_2539760	NC_021164.1	Ca_kabuli_chr05	2539760	CC	TT	1940320548
SNP_P1_87419_2539854	NC_021164.1	Ca_kabuli_chr05	2539854	AA	GG	1940320549
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SNP_P1_87422_2540174	NC_021164.1	Ca_kabuli_chr05	2540174	GG	TT	1940320554
SNP_P1_87423_2540230	NC_021164.1	Ca_kabuli_chr05	2540230	GG	AA	1940320556
SNP_P1_87424_2540446	NC_021164.1	Ca_kabuli_chr05	2540446	TT	CC	1940320558
SNP_P1_87425_2546211	NC_021164.1	Ca_kabuli_chr05	2546211	GG	AA	1940320559
SNP_P1_87426_2546212	NC_021164.1	Ca_kabuli_chr05	2546212	GG	AA	1940320561
SNP_P1_87427_2546231	NC_021164.1	Ca_kabuli_chr05	2546231	TT	CC	1940320563
SNP_P1_87428_2546233	NC_021164.1	Ca_kabuli_chr05	2546233	AA	GG	1940320564
SNP_P1_87430_2552288	NC_021164.1	Ca_kabuli_chr05	2552288	AA	CC	1940320566
SNP_P1_87431_2552289	NC_021164.1	Ca_kabuli_chr05	2552289	TT	AA	1940320568
SNP_P1_87432_2552300	NC_021164.1	Ca_kabuli_chr05	2552300	TT	GG	1940320569
SNP_P1_87433_2600805	NC_021164.1	Ca_kabuli_chr05	2600805	TT	GG	1940320571
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SNP_P1_87435_2601189	NC_021164.1	Ca_kabuli_chr05	2601189	TT	CC	1940320574
SNP_P1_87436_2601205	NC_021164.1	Ca_kabuli_chr05	2601205	AA	CC	1940320576
SNP_P1_87437_2601210	NC_021164.1	Ca_kabuli_chr05	2601210	AA	GG	1940320578
SNP_P1_87438_2619175	NC_021164.1	Ca_kabuli_chr05	2619175	TT	GG	1940320580
SNP_P1_87439_2619177	NC_021164.1	Ca_kabuli_chr05	2619177	TT	GG	1940320581
SNP_P1_87440_2623985	NC_021164.1	Ca_kabuli_chr05	2623985	AA	GG	1940320583
SNP_P1_87441_2626781	NC_021164.1	Ca_kabuli_chr05	2626781	AA	TT	1940320585
SNP_P1_87442_2628357	NC_021164.1	Ca_kabuli_chr05	2628357	AA	TT	1940320586
SNP_P1_87443_2628422	NC_021164.1	Ca_kabuli_chr05	2628422	GG	TT	1940320588
SNP_P1_87444_2628499	NC_021164.1	Ca_kabuli_chr05	2628499	AA	TT	1940320590
SNP_P1_87445_2628508	NC_021164.1	Ca_kabuli_chr05	2628508	TT	CC	1940320591
SNP_P1_87446_2628538	NC_021164.1	Ca_kabuli_chr05	2628538	CC	TT	1940320593
SNP_P1_87447_2628594	NC_021164.1	Ca_kabuli_chr05	2628594	GG	AA	1940320595
SNP_P1_87448_2628664	NC_021164.1	Ca_kabuli_chr05	2628664	AA	GG	1940320596
SNP_P1_87449_2628682	NC_021164.1	Ca_kabuli_chr05	2628682	CC	AA	1940320598
SNP_P1_87450_2628719	NC_021164.1	Ca_kabuli_chr05	2628719	GG	AA	1940320600
SNP_P1_87451_2639069	NC_021164.1	Ca_kabuli_chr05	2639069	GG	AA	1940320601
SNP_P1_87452_2641065	NC_021164.1	Ca_kabuli_chr05	2641065	CC	TT	1940320603
SNP_P1_87453_2641145	NC_021164.1	Ca_kabuli_chr05	2641145	CC	AA	1940320605
SNP_P1_87454_2658390	NC_021164.1	Ca_kabuli_chr05	2658390	AA	CC	1940320606
SNP_P1_87455_2659156	NC_021164.1	Ca_kabuli_chr05	2659156	TT	CC	1940320608

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87457_2663865	NC_021164.1	Ca_kabuli_chr05	2663865	AA	GG	1940320611
SNP_P1_87458_2664041	NC_021164.1	Ca_kabuli_chr05	2664041	GG	AA	1940320613
SNP_P1_87459_2664079	NC_021164.1	Ca_kabuli_chr05	2664079	TT	GG	1940320615
SNP_P1_87460_2664101	NC_021164.1	Ca_kabuli_chr05	2664101	TT	CC	1940320616
SNP_P1_87461_2664226	NC_021164.1	Ca_kabuli_chr05	2664226	AA	TT	1940320618
SNP_P1_87462_2666610	NC_021164.1	Ca_kabuli_chr05	2666610	TT	CC	1940320620
SNP_P1_87463_2666747	NC_021164.1	Ca_kabuli_chr05	2666747	CC	TT	1940320621
SNP_P1_87464_2666766	NC_021164.1	Ca_kabuli_chr05	2666766	TT	CC	1940320623
SNP_P1_87465_2666777	NC_021164.1	Ca_kabuli_chr05	2666777	GG	AA	1940320625
SNP_P1_87466_2669009	NC_021164.1	Ca_kabuli_chr05	2669009	TT	CC	1940320626
SNP_P1_87467_2698882	NC_021164.1	Ca_kabuli_chr05	2698882	TT	AA	1940320628
SNP_P1_87468_2698923	NC_021164.1	Ca_kabuli_chr05	2698923	CC	TT	1940320630
SNP_P1_87469_2698932	NC_021164.1	Ca_kabuli_chr05	2698932	TT	GG	1940320632
SNP_P1_87470_2698940	NC_021164.1	Ca_kabuli_chr05	2698940	AA	GG	1940320633
SNP_P1_87471_2698949	NC_021164.1	Ca_kabuli_chr05	2698949	GG	AA	1940320635
SNP_P1_87472_2698983	NC_021164.1	Ca_kabuli_chr05	2698983	GG	AA	1940320637
SNP_P1_87473_2698998	NC_021164.1	Ca_kabuli_chr05	2698998	AA	GG	1940320638
SNP_P1_87474_2699053	NC_021164.1	Ca_kabuli_chr05	2699053	GG	AA	1940320640
SNP_P1_87475_2699058	NC_021164.1	Ca_kabuli_chr05	2699058	CC	TT	1940320642
SNP_P1_87476_2699060	NC_021164.1	Ca_kabuli_chr05	2699060	CC	AA	1940320643
SNP_P1_87477_2699067	NC_021164.1	Ca_kabuli_chr05	2699067	GG	TT	1940320645
SNP_P1_87478_2699071	NC_021164.1	Ca_kabuli_chr05	2699071	AA	GG	1940320647
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SNP_P1_87484_2740021	NC_021164.1	Ca_kabuli_chr05	2740021	AA	GG	1940320655
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SNP_P1_87486_2743597	NC_021164.1	Ca_kabuli_chr05	2743597	CC	AA	1940320658
SNP_P1_87487_2744336	NC_021164.1	Ca_kabuli_chr05	2744336	GG	AA	1940320660
SNP_P1_87488_2744383	NC_021164.1	Ca_kabuli_chr05	2744383	CC	TT	1940320662
SNP_P1_87489_2744390	NC_021164.1	Ca_kabuli_chr05	2744390	TT	CC	1940320663
SNP_P1_87490_2744431	NC_021164.1	Ca_kabuli_chr05	2744431	GG	AA	1940320665
SNP_P1_87491_2744686	NC_021164.1	Ca_kabuli_chr05	2744686	TT	CC	1940320667
SNP_P1_87492_2751639	NC_021164.1	Ca_kabuli_chr05	2751639	CC	TT	1940320668
SNP_P1_87493_2753644	NC_021164.1	Ca_kabuli_chr05	2753644	AA	GG	1940320670
SNP_P1_87494_2753645	NC_021164.1	Ca_kabuli_chr05	2753645	CC	AA	1940320672
SNP_P1_87498_2791773	NC_021164.1	Ca_kabuli_chr05	2791773	TT	AA	1940320673
SNP_P1_87499_2791775	NC_021164.1	Ca_kabuli_chr05	2791775	AA	GG	1940320675
SNP_P1_87500_2831574	NC_021164.1	Ca_kabuli_chr05	2831574	AA	TT	1940320677
SNP_P1_87501_2840660	NC_021164.1	Ca_kabuli_chr05	2840660	GG	AA	1940320678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87504_2870797	NC_021164.1	Ca_kabuli_chr05	2870797	CC	TT	1940320684
SNP_P1_87505_2874003	NC_021164.1	Ca_kabuli_chr05	2874003	TT	GG	1940320685
SNP_P1_87506_2905439	NC_021164.1	Ca_kabuli_chr05	2905439	AA	TT	1940320687
SNP_P1_87507_2912543	NC_021164.1	Ca_kabuli_chr05	2912543	AA	GG	1940320689
SNP_P1_87508_2915904	NC_021164.1	Ca_kabuli_chr05	2915904	CC	AA	1940320690
SNP_P1_87509_2915930	NC_021164.1	Ca_kabuli_chr05	2915930	GG	AA	1940320692
SNP_P1_87510_2921539	NC_021164.1	Ca_kabuli_chr05	2921539	TT	CC	1940320694
SNP_P1_87511_2947217	NC_021164.1	Ca_kabuli_chr05	2947217	TT	GG	1940320695
SNP_P1_87512_2947219	NC_021164.1	Ca_kabuli_chr05	2947219	AA	GG	1940320697
SNP_P1_87513_2950701	NC_021164.1	Ca_kabuli_chr05	2950701	CC	TT	1940320699
SNP_P1_87514_2978585	NC_021164.1	Ca_kabuli_chr05	2978585	AA	GG	1940320700
SNP_P1_87516_3014997	NC_021164.1	Ca_kabuli_chr05	3014997	CC	TT	1940320702
SNP_P1_87517_3031448	NC_021164.1	Ca_kabuli_chr05	3031448	GG	AA	1940320704
SNP_P1_87518_3059713	NC_021164.1	Ca_kabuli_chr05	3059713	CC	TT	1940320705
SNP_P1_87520_3065342	NC_021164.1	Ca_kabuli_chr05	3065342	CC	TT	1940320707
SNP_P1_87521_3066729	NC_021164.1	Ca_kabuli_chr05	3066729	AA	GG	1940320709
SNP_P1_87522_3066731	NC_021164.1	Ca_kabuli_chr05	3066731	GG	AA	1940320710
SNP_P1_87523_3067090	NC_021164.1	Ca_kabuli_chr05	3067090	GG	AA	1940320712
SNP_P1_87524_3067114	NC_021164.1	Ca_kabuli_chr05	3067114	CC	TT	1940320714
SNP_P1_87525_3067141	NC_021164.1	Ca_kabuli_chr05	3067141	AA	GG	1940320715
SNP_P1_87526_3067204	NC_021164.1	Ca_kabuli_chr05	3067204	CC	TT	1940320717
SNP_P1_87527_3067337	NC_021164.1	Ca_kabuli_chr05	3067337	TT	GG	1940320719
SNP_P1_87528_3067482	NC_021164.1	Ca_kabuli_chr05	3067482	TT	CC	1940320721
SNP_P1_87529_3070031	NC_021164.1	Ca_kabuli_chr05	3070031	GG	TT	1940320722
SNP_P1_87531_3070498	NC_021164.1	Ca_kabuli_chr05	3070498	AA	CC	1940320724
SNP_P1_87532_3070542	NC_021164.1	Ca_kabuli_chr05	3070542	AA	GG	1940320726
SNP_P1_87533_3070557	NC_021164.1	Ca_kabuli_chr05	3070557	GG	AA	1940320727
SNP_P1_87534_3083334	NC_021164.1	Ca_kabuli_chr05	3083334	TT	GG	1940320729
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SNP_P1_87536_3083366	NC_021164.1	Ca_kabuli_chr05	3083366	TT	CC	1940320732
SNP_P1_87537_3083367	NC_021164.1	Ca_kabuli_chr05	3083367	GG	AA	1940320734
SNP_P1_87538_3083375	NC_021164.1	Ca_kabuli_chr05	3083375	CC	GG	1940320736
SNP_P1_87539_3083532	NC_021164.1	Ca_kabuli_chr05	3083532	GG	AA	1940320737
SNP_P1_87540_3087795	NC_021164.1	Ca_kabuli_chr05	3087795	TT	CC	1940320739
SNP_P1_87541_3091775	NC_021164.1	Ca_kabuli_chr05	3091775	TT	AA	1940320741
SNP_P1_87543_3117498	NC_021164.1	Ca_kabuli_chr05	3117498	AA	CC	1940320742
SNP_P1_87544_3117517	NC_021164.1	Ca_kabuli_chr05	3117517	TT	GG	1940320744
SNP_P1_87545_3117523	NC_021164.1	Ca_kabuli_chr05	3117523	TT	CC	1940320746
SNP_P1_87546_3117605	NC_021164.1	Ca_kabuli_chr05	3117605	AA	GG	1940320747
SNP_P1_87547_3117639	NC_021164.1	Ca_kabuli_chr05	3117639	TT	CC	1940320749

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87549_3117892	NC_021164.1	Ca_kabuli_chr05	3117892	TT	GG	1940320752
SNP_P1_87550_3118029	NC_021164.1	Ca_kabuli_chr05	3118029	GG	AA	1940320754
SNP_P1_87551_3118035	NC_021164.1	Ca_kabuli_chr05	3118035	CC	TT	1940320756
SNP_P1_87552_3118051	NC_021164.1	Ca_kabuli_chr05	3118051	CC	TT	1940320757
SNP_P1_87553_3118053	NC_021164.1	Ca_kabuli_chr05	3118053	GG	AA	1940320759
SNP_P1_87554_3118085	NC_021164.1	Ca_kabuli_chr05	3118085	TT	CC	1940320761
SNP_P1_87555_3118111	NC_021164.1	Ca_kabuli_chr05	3118111	CC	AA	1940320763
SNP_P1_87556_3122391	NC_021164.1	Ca_kabuli_chr05	3122391	CC	AA	1940320764
SNP_P1_87557_3122393	NC_021164.1	Ca_kabuli_chr05	3122393	AA	CC	1940320766
SNP_P1_87558_3122778	NC_021164.1	Ca_kabuli_chr05	3122778	GG	TT	1940320768
SNP_P1_87559_3133031	NC_021164.1	Ca_kabuli_chr05	3133031	CC	GG	1940320769
SNP_P1_87560_3133048	NC_021164.1	Ca_kabuli_chr05	3133048	GG	AA	1940320771
SNP_P1_87562_3150466	NC_021164.1	Ca_kabuli_chr05	3150466	GG	AA	1940320773
SNP_P1_87563_3170635	NC_021164.1	Ca_kabuli_chr05	3170635	TT	CC	1940320774
SNP_P1_87564_3188573	NC_021164.1	Ca_kabuli_chr05	3188573	TT	AA	1940320776
SNP_P1_87565_3192144	NC_021164.1	Ca_kabuli_chr05	3192144	CC	TT	1940320778
SNP_P1_87567_3207672	NC_021164.1	Ca_kabuli_chr05	3207672	CC	AA	1940320779
SNP_P1_87568_3207673	NC_021164.1	Ca_kabuli_chr05	3207673	AA	TT	1940320781
SNP_P1_87569_3219708	NC_021164.1	Ca_kabuli_chr05	3219708	GG	AA	1940320783
SNP_P1_87571_3252523	NC_021164.1	Ca_kabuli_chr05	3252523	TT	CC	1940320784
SNP_P1_87572_3252925	NC_021164.1	Ca_kabuli_chr05	3252925	GG	TT	1940320786
SNP_P1_87573_3254273	NC_021164.1	Ca_kabuli_chr05	3254273	CC	TT	1940320788
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SNP_P1_87579_3285575	NC_021164.1	Ca_kabuli_chr05	3285575	AA	GG	1940320796
SNP_P1_87581_3297859	NC_021164.1	Ca_kabuli_chr05	3297859	GG	AA	1940320798
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SNP_P1_87583_3318056	NC_021164.1	Ca_kabuli_chr05	3318056	CC	TT	1940320801
SNP_P1_87584_3323328	NC_021164.1	Ca_kabuli_chr05	3323328	CC	TT	1940320803
SNP_P1_87586_3345276	NC_021164.1	Ca_kabuli_chr05	3345276	AA	GG	1940320804
SNP_P1_87587_3345280	NC_021164.1	Ca_kabuli_chr05	3345280	TT	CC	1940320806
SNP_P1_87588_3345314	NC_021164.1	Ca_kabuli_chr05	3345314	TT	CC	1940320808
SNP_P1_87589_3345518	NC_021164.1	Ca_kabuli_chr05	3345518	AA	TT	1940320810
SNP_P1_87590_3352763	NC_021164.1	Ca_kabuli_chr05	3352763	AA	GG	1940320811
SNP_P1_87591_3353014	NC_021164.1	Ca_kabuli_chr05	3353014	TT	AA	1940320813
SNP_P1_87592_3353088	NC_021164.1	Ca_kabuli_chr05	3353088	CC	TT	1940320815
SNP_P1_87594_3353139	NC_021164.1	Ca_kabuli_chr05	3353139	TT	CC	1940320816
SNP_P1_87595_3353208	NC_021164.1	Ca_kabuli_chr05	3353208	GG	TT	1940320818
SNP_P1_87596_3353375	NC_021164.1	Ca_kabuli_chr05	3353375	AA	GG	1940320820

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87599_3383522	NC_021164.1	Ca_kabuli_chr05	3383522	TT	GG	1940320823
SNP_P1_87600_3389002	NC_021164.1	Ca_kabuli_chr05	3389002	TT	CC	1940320825
SNP_P1_87602_3413079	NC_021164.1	Ca_kabuli_chr05	3413079	AA	CC	1940320826
SNP_P1_87603_3415302	NC_021164.1	Ca_kabuli_chr05	3415302	CC	TT	1940320828
SNP_P1_87604_3415404	NC_021164.1	Ca_kabuli_chr05	3415404	TT	CC	1940320830
SNP_P1_87605_3415549	NC_021164.1	Ca_kabuli_chr05	3415549	GG	AA	1940320831
SNP_P1_87606_3418376	NC_021164.1	Ca_kabuli_chr05	3418376	AA	CC	1940320833
SNP_P1_87607_3418818	NC_021164.1	Ca_kabuli_chr05	3418818	TT	CC	1940320835
SNP_P1_87608_3418830	NC_021164.1	Ca_kabuli_chr05	3418830	AA	GG	1940320836
SNP_P1_87609_3433451	NC_021164.1	Ca_kabuli_chr05	3433451	TT	CC	1940320838
SNP_P1_87610_3445320	NC_021164.1	Ca_kabuli_chr05	3445320	TT	AA	1940320840
SNP_P1_87611_3472814	NC_021164.1	Ca_kabuli_chr05	3472814	GG	AA	1940320841
SNP_P1_87612_3483199	NC_021164.1	Ca_kabuli_chr05	3483199	GG	AA	1940320843
SNP_P1_87613_3524001	NC_021164.1	Ca_kabuli_chr05	3524001	AA	TT	1940320845
SNP_P1_87614_3525964	NC_021164.1	Ca_kabuli_chr05	3525964	GG	AA	1940320847
SNP_P1_87615_3527006	NC_021164.1	Ca_kabuli_chr05	3527006	GG	TT	1940320848
SNP_P1_87616_3527009	NC_021164.1	Ca_kabuli_chr05	3527009	CC	TT	1940320850
SNP_P1_87617_3527029	NC_021164.1	Ca_kabuli_chr05	3527029	AA	GG	1940320852
SNP_P1_87619_3535668	NC_021164.1	Ca_kabuli_chr05	3535668	TT	CC	1940320853
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SNP_P1_87622_3560150	NC_021164.1	Ca_kabuli_chr05	3560150	TT	AA	1940320857
SNP_P1_87623_3570341	NC_021164.1	Ca_kabuli_chr05	3570341	GG	TT	1940320858
SNP_P1_87624_3570347	NC_021164.1	Ca_kabuli_chr05	3570347	GG	AA	1940320860
SNP_P1_87625_3570468	NC_021164.1	Ca_kabuli_chr05	3570468	AA	GG	1940320862
SNP_P1_87626_3570504	NC_021164.1	Ca_kabuli_chr05	3570504	AA	GG	1940320863
SNP_P1_87627_3570602	NC_021164.1	Ca_kabuli_chr05	3570602	GG	AA	1940320865
SNP_P1_87628_3570619	NC_021164.1	Ca_kabuli_chr05	3570619	CC	TT	1940320867
SNP_P1_87629_3570634	NC_021164.1	Ca_kabuli_chr05	3570634	GG	AA	1940320869
SNP_P1_87630_3570654	NC_021164.1	Ca_kabuli_chr05	3570654	TT	AA	1940320870
SNP_P1_87631_3570659	NC_021164.1	Ca_kabuli_chr05	3570659	GG	AA	1940320872
SNP_P1_87632_3570676	NC_021164.1	Ca_kabuli_chr05	3570676	TT	GG	1940320874
SNP_P1_87633_3570746	NC_021164.1	Ca_kabuli_chr05	3570746	GG	AA	1940320875
SNP_P1_87634_3570788	NC_021164.1	Ca_kabuli_chr05	3570788	AA	TT	1940320877
SNP_P1_87635_3570796	NC_021164.1	Ca_kabuli_chr05	3570796	AA	TT	1940320879
SNP_P1_87636_3570834	NC_021164.1	Ca_kabuli_chr05	3570834	CC	AA	1940320880
SNP_P1_87637_3577752	NC_021164.1	Ca_kabuli_chr05	3577752	AA	GG	1940320882
SNP_P1_87638_3577759	NC_021164.1	Ca_kabuli_chr05	3577759	TT	CC	1940320884
SNP_P1_87639_3577762	NC_021164.1	Ca_kabuli_chr05	3577762	AA	GG	1940320885
SNP_P1_87640_3577794	NC_021164.1	Ca_kabuli_chr05	3577794	AA	GG	1940320887
SNP_P1_87641_3577837	NC_021164.1	Ca_kabuli_chr05	3577837	AA	CC	1940320889
SNP_P1_87642_3577885	NC_021164.1	Ca_kabuli_chr05	3577885	TT	CC	1940320890

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87645_3578208	NC_021164.1	Ca_kabuli_chr05	3578208	CC	AA	1940320895
SNP_P1_87646_3585096	NC_021164.1	Ca_kabuli_chr05	3585096	CC	AA	1940320897
SNP_P1_87647_3589828	NC_021164.1	Ca_kabuli_chr05	3589828	CC	TT	1940320899
SNP_P1_87648_3589834	NC_021164.1	Ca_kabuli_chr05	3589834	TT	CC	1940320900
SNP_P1_87649_3591195	NC_021164.1	Ca_kabuli_chr05	3591195	GG	CC	1940320902
SNP_P1_87650_3591198	NC_021164.1	Ca_kabuli_chr05	3591198	CC	AA	1940320904
SNP_P1_87651_3591200	NC_021164.1	Ca_kabuli_chr05	3591200	CC	GG	1940320905
SNP_P1_87652_3593423	NC_021164.1	Ca_kabuli_chr05	3593423	AA	TT	1940320907
SNP_P1_87653_3594387	NC_021164.1	Ca_kabuli_chr05	3594387	AA	GG	1940320909
SNP_P1_87654_3596554	NC_021164.1	Ca_kabuli_chr05	3596554	TT	AA	1940320910
SNP_P1_87655_3610816	NC_021164.1	Ca_kabuli_chr05	3610816	GG	AA	1940320912
SNP_P1_87656_3639262	NC_021164.1	Ca_kabuli_chr05	3639262	TT	CC	1940320914
SNP_P1_87657_3639553	NC_021164.1	Ca_kabuli_chr05	3639553	TT	CC	1940320916
SNP_P1_87658_3639576	NC_021164.1	Ca_kabuli_chr05	3639576	GG	AA	1940320917
SNP_P1_87659_3639823	NC_021164.1	Ca_kabuli_chr05	3639823	AA	GG	1940320919
SNP_P1_87660_3639824	NC_021164.1	Ca_kabuli_chr05	3639824	TT	CC	1940320921
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SNP_P1_87662_3640011	NC_021164.1	Ca_kabuli_chr05	3640011	TT	AA	1940320924
SNP_P1_87663_3640677	NC_021164.1	Ca_kabuli_chr05	3640677	AA	CC	1940320926
SNP_P1_87665_3662034	NC_021164.1	Ca_kabuli_chr05	3662034	AA	GG	1940320927
SNP_P1_87666_3662037	NC_021164.1	Ca_kabuli_chr05	3662037	TT	GG	1940320929
SNP_P1_87667_3668838	NC_021164.1	Ca_kabuli_chr05	3668838	CC	TT	1940320931
SNP_P1_87668_3668840	NC_021164.1	Ca_kabuli_chr05	3668840	AA	GG	1940320932
SNP_P1_87669_3668850	NC_021164.1	Ca_kabuli_chr05	3668850	CC	AA	1940320934
SNP_P1_87670_3669153	NC_021164.1	Ca_kabuli_chr05	3669153	AA	CC	1940320936
SNP_P1_87671_3691079	NC_021164.1	Ca_kabuli_chr05	3691079	AA	GG	1940320937
SNP_P1_87672_3705778	NC_021164.1	Ca_kabuli_chr05	3705778	GG	CC	1940320939
SNP_P1_87673_3705807	NC_021164.1	Ca_kabuli_chr05	3705807	TT	CC	1940320941
SNP_P1_87674_3715010	NC_021164.1	Ca_kabuli_chr05	3715010	CC	TT	1940320942
SNP_P1_87676_3716174	NC_021164.1	Ca_kabuli_chr05	3716174	AA	CC	1940320944
SNP_P1_87677_3716932	NC_021164.1	Ca_kabuli_chr05	3716932	CC	AA	1940320946
SNP_P1_87679_3717237	NC_021164.1	Ca_kabuli_chr05	3717237	CC	TT	1940320947
SNP_P1_87680_3736922	NC_021164.1	Ca_kabuli_chr05	3736922	AA	TT	1940320949
SNP_P1_87682_3742124	NC_021164.1	Ca_kabuli_chr05	3742124	GG	AA	1940320951
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SNP_P1_87684_3742626	NC_021164.1	Ca_kabuli_chr05	3742626	AA	GG	1940320954
SNP_P1_87686_3742702	NC_021164.1	Ca_kabuli_chr05	3742702	TT	AA	1940320956
SNP_P1_87687_3742766	NC_021164.1	Ca_kabuli_chr05	3742766	AA	GG	1940320957
SNP_P1_87688_3742807	NC_021164.1	Ca_kabuli_chr05	3742807	CC	TT	1940320959
SNP_P1_87689_3742940	NC_021164.1	Ca_kabuli_chr05	3742940	CC	TT	1940320961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87692_3781331	NC_021164.1	Ca_kabuli_chr05	3781331	GG	AA	1940320966
SNP_P1_87693_3796043	NC_021164.1	Ca_kabuli_chr05	3796043	AA	GG	1940320968
SNP_P1_87694_3798618	NC_021164.1	Ca_kabuli_chr05	3798618	AA	GG	1940320969
SNP_P1_87695_3798693	NC_021164.1	Ca_kabuli_chr05	3798693	AA	GG	1940320971
SNP_P1_87696_3798701	NC_021164.1	Ca_kabuli_chr05	3798701	TT	GG	1940320973
SNP_P1_87697_3798714	NC_021164.1	Ca_kabuli_chr05	3798714	TT	CC	1940320974
SNP_P1_87698_3798982	NC_021164.1	Ca_kabuli_chr05	3798982	TT	AA	1940320976
SNP_P1_87699_3798988	NC_021164.1	Ca_kabuli_chr05	3798988	AA	CC	1940320978
SNP_P1_87700_3799007	NC_021164.1	Ca_kabuli_chr05	3799007	GG	AA	1940320979
SNP_P1_87701_3799036	NC_021164.1	Ca_kabuli_chr05	3799036	TT	CC	1940320981
SNP_P1_87702_3799066	NC_021164.1	Ca_kabuli_chr05	3799066	TT	AA	1940320983
SNP_P1_87703_3808798	NC_021164.1	Ca_kabuli_chr05	3808798	TT	CC	1940320984
SNP_P1_87704_3808882	NC_021164.1	Ca_kabuli_chr05	3808882	TT	CC	1940320986
SNP_P1_87705_3808905	NC_021164.1	Ca_kabuli_chr05	3808905	TT	CC	1940320988
SNP_P1_87706_3809087	NC_021164.1	Ca_kabuli_chr05	3809087	AA	GG	1940320989
SNP_P1_87708_3817735	NC_021164.1	Ca_kabuli_chr05	3817735	AA	CC	1940320991
SNP_P1_87709_3822473	NC_021164.1	Ca_kabuli_chr05	3822473	AA	CC	1940320993
SNP_P1_87710_3830276	NC_021164.1	Ca_kabuli_chr05	3830276	CC	TT	1940320994
SNP_P1_87711_3835563	NC_021164.1	Ca_kabuli_chr05	3835563	TT	CC	1940320996
SNP_P1_87712_3836284	NC_021164.1	Ca_kabuli_chr05	3836284	AA	TT	1940320998
SNP_P1_87713_3837827	NC_021164.1	Ca_kabuli_chr05	3837827	TT	CC	1940320999
SNP_P1_87714_3839179	NC_021164.1	Ca_kabuli_chr05	3839179	GG	AA	1940321001
SNP_P1_87715_3839183	NC_021164.1	Ca_kabuli_chr05	3839183	AA	TT	1940321003
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SNP_P1_87717_3843711	NC_021164.1	Ca_kabuli_chr05	3843711	TT	GG	1940321006
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SNP_P1_87719_3843842	NC_021164.1	Ca_kabuli_chr05	3843842	AA	GG	1940321010
SNP_P1_87720_3843848	NC_021164.1	Ca_kabuli_chr05	3843848	GG	TT	1940321011
SNP_P1_87721_3843889	NC_021164.1	Ca_kabuli_chr05	3843889	AA	GG	1940321013
SNP_P1_87722_3847922	NC_021164.1	Ca_kabuli_chr05	3847922	CC	TT	1940321015
SNP_P1_87723_3847962	NC_021164.1	Ca_kabuli_chr05	3847962	TT	CC	1940321016
SNP_P1_87724_3848052	NC_021164.1	Ca_kabuli_chr05	3848052	TT	AA	1940321018
SNP_P1_87725_3848325	NC_021164.1	Ca_kabuli_chr05	3848325	GG	AA	1940321020
SNP_P1_87727_3852746	NC_021164.1	Ca_kabuli_chr05	3852746	GG	AA	1940321021
SNP_P1_87728_3852749	NC_021164.1	Ca_kabuli_chr05	3852749	AA	TT	1940321023
SNP_P1_87729_3852983	NC_021164.1	Ca_kabuli_chr05	3852983	CC	GG	1940321025
SNP_P1_87730_3853024	NC_021164.1	Ca_kabuli_chr05	3853024	AA	CC	1940321026
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SNP_P1_87732_3853066	NC_021164.1	Ca_kabuli_chr05	3853066	TT	CC	1940321030
SNP_P1_87733_3853069	NC_021164.1	Ca_kabuli_chr05	3853069	TT	CC	1940321031

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87737_3864961	NC_021164.1	Ca_kabuli_chr05	3864961	TT	AA	1940321036
SNP_P1_87738_3865035	NC_021164.1	Ca_kabuli_chr05	3865035	AA	TT	1940321038
SNP_P1_87739_3865052	NC_021164.1	Ca_kabuli_chr05	3865052	AA	TT	1940321040
SNP_P1_87740_3865098	NC_021164.1	Ca_kabuli_chr05	3865098	TT	AA	1940321041
SNP_P1_87741_3865353	NC_021164.1	Ca_kabuli_chr05	3865353	AA	TT	1940321043
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SNP_P1_87743_3865364	NC_021164.1	Ca_kabuli_chr05	3865364	GG	AA	1940321047
SNP_P1_87744_3865497	NC_021164.1	Ca_kabuli_chr05	3865497	CC	TT	1940321048
SNP_P1_87745_3865616	NC_021164.1	Ca_kabuli_chr05	3865616	AA	TT	1940321050
SNP_P1_87746_3865747	NC_021164.1	Ca_kabuli_chr05	3865747	GG	AA	1940321052
SNP_P1_87747_3865756	NC_021164.1	Ca_kabuli_chr05	3865756	CC	AA	1940321053
SNP_P1_87748_3865773	NC_021164.1	Ca_kabuli_chr05	3865773	AA	GG	1940321055
SNP_P1_87751_3865925	NC_021164.1	Ca_kabuli_chr05	3865925	GG	TT	1940321057
SNP_P1_87752_3865970	NC_021164.1	Ca_kabuli_chr05	3865970	CC	AA	1940321058
SNP_P1_87753_3866005	NC_021164.1	Ca_kabuli_chr05	3866005	AA	CC	1940321060
SNP_P1_87754_3866426	NC_021164.1	Ca_kabuli_chr05	3866426	GG	AA	1940321062
SNP_P1_87755_3868815	NC_021164.1	Ca_kabuli_chr05	3868815	AA	TT	1940321063
SNP_P1_87757_3869349	NC_021164.1	Ca_kabuli_chr05	3869349	TT	AA	1940321065
SNP_P1_87758_3869459	NC_021164.1	Ca_kabuli_chr05	3869459	AA	GG	1940321067
SNP_P1_87760_3870044	NC_021164.1	Ca_kabuli_chr05	3870044	AA	GG	1940321068
SNP_P1_87762_3874624	NC_021164.1	Ca_kabuli_chr05	3874624	GG	AA	1940321070
SNP_P1_87763_3874676	NC_021164.1	Ca_kabuli_chr05	3874676	TT	CC	1940321072
SNP_P1_87765_3893063	NC_021164.1	Ca_kabuli_chr05	3893063	AA	GG	1940321073
SNP_P1_87766_3893064	NC_021164.1	Ca_kabuli_chr05	3893064	AA	GG	1940321075
SNP_P1_87767_3896283	NC_021164.1	Ca_kabuli_chr05	3896283	TT	CC	1940321077
SNP_P1_87768_3916076	NC_021164.1	Ca_kabuli_chr05	3916076	TT	AA	1940321078
SNP_P1_87769_3919816	NC_021164.1	Ca_kabuli_chr05	3919816	GG	AA	1940321080
SNP_P1_87770_3928907	NC_021164.1	Ca_kabuli_chr05	3928907	AA	GG	1940321082
SNP_P1_87771_3933506	NC_021164.1	Ca_kabuli_chr05	3933506	GG	AA	1940321083
SNP_P1_87772_3991968	NC_021164.1	Ca_kabuli_chr05	3991968	TT	CC	1940321085
SNP_P1_87773_3993169	NC_021164.1	Ca_kabuli_chr05	3993169	TT	AA	1940321087
SNP_P1_87774_3993219	NC_021164.1	Ca_kabuli_chr05	3993219	CC	AA	1940321089
SNP_P1_87775_3993444	NC_021164.1	Ca_kabuli_chr05	3993444	GG	TT	1940321090
SNP_P1_87776_3993615	NC_021164.1	Ca_kabuli_chr05	3993615	GG	TT	1940321092
SNP_P1_87777_4004823	NC_021164.1	Ca_kabuli_chr05	4004823	GG	AA	1940321094
SNP_P1_87780_4064778	NC_021164.1	Ca_kabuli_chr05	4064778	GG	AA	1940321095
SNP_P1_87781_4069980	NC_021164.1	Ca_kabuli_chr05	4069980	TT	CC	1940321097
SNP_P1_87782_4077074	NC_021164.1	Ca_kabuli_chr05	4077074	AA	CC	1940321099
SNP_P1_87783_4077559	NC_021164.1	Ca_kabuli_chr05	4077559	AA	GG	1940321100
SNP_P1_87785_4109635	NC_021164.1	Ca_kabuli_chr05	4109635	TT	CC	1940321102

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87787_4141138	NC_021164.1	Ca_kabuli_chr05	4141138	AA	GG	1940321105
SNP_P1_87788_4141170	NC_021164.1	Ca_kabuli_chr05	4141170	CC	AA	1940321107
SNP_P1_87789_4141199	NC_021164.1	Ca_kabuli_chr05	4141199	CC	TT	1940321109
SNP_P1_87790_4141255	NC_021164.1	Ca_kabuli_chr05	4141255	AA	CC	1940321110
SNP_P1_87791_4141447	NC_021164.1	Ca_kabuli_chr05	4141447	CC	TT	1940321112
SNP_P1_87792_4141482	NC_021164.1	Ca_kabuli_chr05	4141482	TT	CC	1940321114
SNP_P1_87793_4141484	NC_021164.1	Ca_kabuli_chr05	4141484	GG	AA	1940321115
SNP_P1_87794_4141486	NC_021164.1	Ca_kabuli_chr05	4141486	GG	TT	1940321117
SNP_P1_87795_4141551	NC_021164.1	Ca_kabuli_chr05	4141551	GG	CC	1940321119
SNP_P1_87796_4141582	NC_021164.1	Ca_kabuli_chr05	4141582	TT	AA	1940321120
SNP_P1_87797_4141765	NC_021164.1	Ca_kabuli_chr05	4141765	CC	TT	1940321122
SNP_P1_87798_4141806	NC_021164.1	Ca_kabuli_chr05	4141806	AA	GG	1940321124
SNP_P1_87799_4141811	NC_021164.1	Ca_kabuli_chr05	4141811	GG	AA	1940321125
SNP_P1_87800_4142004	NC_021164.1	Ca_kabuli_chr05	4142004	GG	TT	1940321127
SNP_P1_87801_4142010	NC_021164.1	Ca_kabuli_chr05	4142010	AA	GG	1940321129
SNP_P1_87802_4145945	NC_021164.1	Ca_kabuli_chr05	4145945	TT	CC	1940321131
SNP_P1_87803_4155758	NC_021164.1	Ca_kabuli_chr05	4155758	CC	TT	1940321132
SNP_P1_87804_4156295	NC_021164.1	Ca_kabuli_chr05	4156295	AA	GG	1940321134
SNP_P1_87805_4156445	NC_021164.1	Ca_kabuli_chr05	4156445	GG	CC	1940321136
SNP_P1_87806_4156815	NC_021164.1	Ca_kabuli_chr05	4156815	CC	TT	1940321137
SNP_P1_87807_4157200	NC_021164.1	Ca_kabuli_chr05	4157200	GG	AA	1940321139
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SNP_P1_87809_4157670	NC_021164.1	Ca_kabuli_chr05	4157670	AA	TT	1940321142
SNP_P1_87810_4157717	NC_021164.1	Ca_kabuli_chr05	4157717	AA	CC	1940321144
SNP_P1_87811_4157901	NC_021164.1	Ca_kabuli_chr05	4157901	TT	CC	1940321146
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SNP_P1_87814_4158877	NC_021164.1	Ca_kabuli_chr05	4158877	AA	CC	1940321151
SNP_P1_87815_4159018	NC_021164.1	Ca_kabuli_chr05	4159018	GG	AA	1940321152
SNP_P1_87816_4159032	NC_021164.1	Ca_kabuli_chr05	4159032	AA	GG	1940321154
SNP_P1_87817_4159104	NC_021164.1	Ca_kabuli_chr05	4159104	AA	TT	1940321156
SNP_P1_87818_4160876	NC_021164.1	Ca_kabuli_chr05	4160876	TT	AA	1940321158
SNP_P1_87819_4161184	NC_021164.1	Ca_kabuli_chr05	4161184	CC	AA	1940321159
SNP_P1_87820_4161189	NC_021164.1	Ca_kabuli_chr05	4161189	CC	GG	1940321161
SNP_P1_87821_4161225	NC_021164.1	Ca_kabuli_chr05	4161225	TT	AA	1940321163
SNP_P1_87822_4161246	NC_021164.1	Ca_kabuli_chr05	4161246	AA	GG	1940321164
SNP_P1_87823_4165651	NC_021164.1	Ca_kabuli_chr05	4165651	CC	TT	1940321166
SNP_P1_87824_4165655	NC_021164.1	Ca_kabuli_chr05	4165655	TT	AA	1940321168
SNP_P1_87825_4165683	NC_021164.1	Ca_kabuli_chr05	4165683	AA	GG	1940321169
SNP_P1_87826_4169387	NC_021164.1	Ca_kabuli_chr05	4169387	TT	CC	1940321171
SNP_P1_87827_4172730	NC_021164.1	Ca_kabuli_chr05	4172730	TT	AA	1940321173

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87830_4176083	NC_021164.1	Ca_kabuli_chr05	4176083	CC	AA	1940321178
SNP_P1_87831_4176329	NC_021164.1	Ca_kabuli_chr05	4176329	AA	TT	1940321179
SNP_P1_87832_4176341	NC_021164.1	Ca_kabuli_chr05	4176341	CC	GG	1940321181
SNP_P1_87833_4176346	NC_021164.1	Ca_kabuli_chr05	4176346	AA	GG	1940321183
SNP_P1_87835_4176379	NC_021164.1	Ca_kabuli_chr05	4176379	GG	AA	1940321184
SNP_P1_87836_4176435	NC_021164.1	Ca_kabuli_chr05	4176435	AA	TT	1940321186
SNP_P1_87837_4178539	NC_021164.1	Ca_kabuli_chr05	4178539	TT	GG	1940321188
SNP_P1_87838_4179186	NC_021164.1	Ca_kabuli_chr05	4179186	GG	AA	1940321189
SNP_P1_87839_4179222	NC_021164.1	Ca_kabuli_chr05	4179222	GG	CC	1940321191
SNP_P1_87840_4179265	NC_021164.1	Ca_kabuli_chr05	4179265	CC	GG	1940321193
SNP_P1_87841_4179266	NC_021164.1	Ca_kabuli_chr05	4179266	GG	AA	1940321195
SNP_P1_87842_4179411	NC_021164.1	Ca_kabuli_chr05	4179411	GG	TT	1940321196
SNP_P1_87843_4179418	NC_021164.1	Ca_kabuli_chr05	4179418	GG	TT	1940321198
SNP_P1_87846_4185636	NC_021164.1	Ca_kabuli_chr05	4185636	TT	CC	1940321200
SNP_P1_87847_4185678	NC_021164.1	Ca_kabuli_chr05	4185678	GG	AA	1940321201
SNP_P1_87848_4192403	NC_021164.1	Ca_kabuli_chr05	4192403	AA	GG	1940321203
SNP_P1_87849_4192427	NC_021164.1	Ca_kabuli_chr05	4192427	CC	AA	1940321205
SNP_P1_87850_4192577	NC_021164.1	Ca_kabuli_chr05	4192577	GG	TT	1940321206
SNP_P1_87851_4194979	NC_021164.1	Ca_kabuli_chr05	4194979	GG	AA	1940321208
SNP_P1_87852_4198567	NC_021164.1	Ca_kabuli_chr05	4198567	AA	GG	1940321210
SNP_P1_87853_4198593	NC_021164.1	Ca_kabuli_chr05	4198593	GG	AA	1940321211
SNP_P1_87854_4198725	NC_021164.1	Ca_kabuli_chr05	4198725	CC	TT	1940321213
SNP_P1_87855_4198727	NC_021164.1	Ca_kabuli_chr05	4198727	AA	GG	1940321215
SNP_P1_87856_4209327	NC_021164.1	Ca_kabuli_chr05	4209327	GG	TT	1940321216
SNP_P1_87857_4209337	NC_021164.1	Ca_kabuli_chr05	4209337	CC	TT	1940321218
SNP_P1_87858_4209345	NC_021164.1	Ca_kabuli_chr05	4209345	AA	CC	1940321220
SNP_P1_87859_4213205	NC_021164.1	Ca_kabuli_chr05	4213205	AA	GG	1940321221
SNP_P1_87860_4213289	NC_021164.1	Ca_kabuli_chr05	4213289	TT	AA	1940321223
SNP_P1_87861_4213381	NC_021164.1	Ca_kabuli_chr05	4213381	GG	AA	1940321225
SNP_P1_87862_4213403	NC_021164.1	Ca_kabuli_chr05	4213403	AA	GG	1940321227
SNP_P1_87863_4217592	NC_021164.1	Ca_kabuli_chr05	4217592	TT	AA	1940321228
SNP_P1_87864_4217747	NC_021164.1	Ca_kabuli_chr05	4217747	GG	TT	1940321230
SNP_P1_87865_4219744	NC_021164.1	Ca_kabuli_chr05	4219744	AA	GG	1940321232
SNP_P1_87866_4219809	NC_021164.1	Ca_kabuli_chr05	4219809	CC	AA	1940321233
SNP_P1_87867_4219843	NC_021164.1	Ca_kabuli_chr05	4219843	GG	AA	1940321235
SNP_P1_87868_4219858	NC_021164.1	Ca_kabuli_chr05	4219858	GG	TT	1940321237
SNP_P1_87869_4219867	NC_021164.1	Ca_kabuli_chr05	4219867	AA	CC	1940321238
SNP_P1_87870_4220036	NC_021164.1	Ca_kabuli_chr05	4220036	TT	CC	1940321240
SNP_P1_87871_4220051	NC_021164.1	Ca_kabuli_chr05	4220051	TT	GG	1940321242
SNP_P1_87872_4220114	NC_021164.1	Ca_kabuli_chr05	4220114	AA	GG	1940321243

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87875_4220212	NC_021164.1	Ca_kabuli_chr05	4220212	CC	TT	1940321248
SNP_P1_87876_4220239	NC_021164.1	Ca_kabuli_chr05	4220239	CC	TT	1940321250
SNP_P1_87877_4221019	NC_021164.1	Ca_kabuli_chr05	4221019	AA	GG	1940321252
SNP_P1_87878_4221096	NC_021164.1	Ca_kabuli_chr05	4221096	AA	GG	1940321253
SNP_P1_87879_4222649	NC_021164.1	Ca_kabuli_chr05	4222649	AA	GG	1940321255
SNP_P1_87880_4222661	NC_021164.1	Ca_kabuli_chr05	4222661	AA	CC	1940321257
SNP_P1_87881_4222754	NC_021164.1	Ca_kabuli_chr05	4222754	GG	AA	1940321258
SNP_P1_87882_4222770	NC_021164.1	Ca_kabuli_chr05	4222770	AA	GG	1940321260
SNP_P1_87883_4223036	NC_021164.1	Ca_kabuli_chr05	4223036	CC	TT	1940321262
SNP_P1_87884_4223039	NC_021164.1	Ca_kabuli_chr05	4223039	AA	GG	1940321263
SNP_P1_87885_4223052	NC_021164.1	Ca_kabuli_chr05	4223052	AA	GG	1940321265
SNP_P1_87886_4223064	NC_021164.1	Ca_kabuli_chr05	4223064	GG	AA	1940321267
SNP_P1_87887_4225214	NC_021164.1	Ca_kabuli_chr05	4225214	AA	TT	1940321268
SNP_P1_87888_4231433	NC_021164.1	Ca_kabuli_chr05	4231433	AA	TT	1940321270
SNP_P1_87889_4231438	NC_021164.1	Ca_kabuli_chr05	4231438	GG	AA	1940321272
SNP_P1_87890_4231441	NC_021164.1	Ca_kabuli_chr05	4231441	CC	AA	1940321273
SNP_P1_87891_4231597	NC_021164.1	Ca_kabuli_chr05	4231597	TT	CC	1940321275
SNP_P1_87892_4231668	NC_021164.1	Ca_kabuli_chr05	4231668	AA	GG	1940321277
SNP_P1_87893_4231739	NC_021164.1	Ca_kabuli_chr05	4231739	GG	AA	1940321279
SNP_P1_87894_4231835	NC_021164.1	Ca_kabuli_chr05	4231835	AA	GG	1940321280
SNP_P1_87895_4231870	NC_021164.1	Ca_kabuli_chr05	4231870	GG	CC	1940321282
SNP_P1_87896_4231884	NC_021164.1	Ca_kabuli_chr05	4231884	CC	TT	1940321284
SNP_P1_87897_4231900	NC_021164.1	Ca_kabuli_chr05	4231900	TT	CC	1940321285
SNP_P1_87898_4231918	NC_021164.1	Ca_kabuli_chr05	4231918	AA	GG	1940321287
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SNP_P1_87900_4233433	NC_021164.1	Ca_kabuli_chr05	4233433	GG	AA	1940321290
SNP_P1_87901_4234122	NC_021164.1	Ca_kabuli_chr05	4234122	TT	AA	1940321292
SNP_P1_87903_4234456	NC_021164.1	Ca_kabuli_chr05	4234456	CC	TT	1940321294
SNP_P1_87904_4234576	NC_021164.1	Ca_kabuli_chr05	4234576	AA	CC	1940321295
SNP_P1_87905_4234580	NC_021164.1	Ca_kabuli_chr05	4234580	GG	TT	1940321297
SNP_P1_87906_4236502	NC_021164.1	Ca_kabuli_chr05	4236502	TT	GG	1940321299
SNP_P1_87907_4236547	NC_021164.1	Ca_kabuli_chr05	4236547	CC	AA	1940321300
SNP_P1_87908_4237407	NC_021164.1	Ca_kabuli_chr05	4237407	TT	AA	1940321302
SNP_P1_87909_4238251	NC_021164.1	Ca_kabuli_chr05	4238251	GG	AA	1940321304
SNP_P1_87912_4240759	NC_021164.1	Ca_kabuli_chr05	4240759	AA	CC	1940321305
SNP_P1_87913_4242002	NC_021164.1	Ca_kabuli_chr05	4242002	CC	TT	1940321307
SNP_P1_87914_4242013	NC_021164.1	Ca_kabuli_chr05	4242013	GG	AA	1940321309
SNP_P1_87915_4242015	NC_021164.1	Ca_kabuli_chr05	4242015	CC	TT	1940321310
SNP_P1_87916_4242016	NC_021164.1	Ca_kabuli_chr05	4242016	CC	TT	1940321312
SNP_P1_87917_4242096	NC_021164.1	Ca_kabuli_chr05	4242096	TT	GG	1940321314

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87919_4242339	NC_021164.1	Ca_kabuli_chr05	4242339	TT	AA	1940321317
SNP_P1_87920_4242388	NC_021164.1	Ca_kabuli_chr05	4242388	TT	CC	1940321319
SNP_P1_87921_4247697	NC_021164.1	Ca_kabuli_chr05	4247697	GG	TT	1940321321
SNP_P1_87922_4247699	NC_021164.1	Ca_kabuli_chr05	4247699	GG	AA	1940321322
SNP_P1_87923_4247753	NC_021164.1	Ca_kabuli_chr05	4247753	GG	TT	1940321324
SNP_P1_87924_4249739	NC_021164.1	Ca_kabuli_chr05	4249739	CC	TT	1940321326
SNP_P1_87925_4250201	NC_021164.1	Ca_kabuli_chr05	4250201	GG	AA	1940321327
SNP_P1_87926_4255640	NC_021164.1	Ca_kabuli_chr05	4255640	AA	GG	1940321329
SNP_P1_87927_4255978	NC_021164.1	Ca_kabuli_chr05	4255978	CC	TT	1940321331
SNP_P1_87928_4257467	NC_021164.1	Ca_kabuli_chr05	4257467	GG	CC	1940321332
SNP_P1_87929_4263884	NC_021164.1	Ca_kabuli_chr05	4263884	GG	AA	1940321334
SNP_P1_87930_4263891	NC_021164.1	Ca_kabuli_chr05	4263891	AA	GG	1940321336
SNP_P1_87931_4264048	NC_021164.1	Ca_kabuli_chr05	4264048	GG	AA	1940321337
SNP_P1_87932_4265651	NC_021164.1	Ca_kabuli_chr05	4265651	CC	AA	1940321339
SNP_P1_87933_4265681	NC_021164.1	Ca_kabuli_chr05	4265681	AA	GG	1940321341
SNP_P1_87934_4265684	NC_021164.1	Ca_kabuli_chr05	4265684	CC	TT	1940321342
SNP_P1_87935_4269733	NC_021164.1	Ca_kabuli_chr05	4269733	GG	AA	1940321344
SNP_P1_87940_4278519	NC_021164.1	Ca_kabuli_chr05	4278519	TT	CC	1940321346
SNP_P1_87941_4278781	NC_021164.1	Ca_kabuli_chr05	4278781	CC	TT	1940321347
SNP_P1_87942_4279010	NC_021164.1	Ca_kabuli_chr05	4279010	TT	AA	1940321349
SNP_P1_87943_4279012	NC_021164.1	Ca_kabuli_chr05	4279012	CC	AA	1940321351
SNP_P1_87944_4280605	NC_021164.1	Ca_kabuli_chr05	4280605	AA	GG	1940321352
SNP_P1_87945_4297364	NC_021164.1	Ca_kabuli_chr05	4297364	AA	GG	1940321354
SNP_P1_87946_4297365	NC_021164.1	Ca_kabuli_chr05	4297365	CC	AA	1940321356
SNP_P1_87947_4297616	NC_021164.1	Ca_kabuli_chr05	4297616	CC	TT	1940321357
SNP_P1_87949_4297737	NC_021164.1	Ca_kabuli_chr05	4297737	CC	TT	1940321359
SNP_P1_87950_4297870	NC_021164.1	Ca_kabuli_chr05	4297870	CC	TT	1940321361
SNP_P1_87951_4297983	NC_021164.1	Ca_kabuli_chr05	4297983	TT	GG	1940321363
SNP_P1_87952_4298054	NC_021164.1	Ca_kabuli_chr05	4298054	AA	GG	1940321364
SNP_P1_87953_4298070	NC_021164.1	Ca_kabuli_chr05	4298070	TT	CC	1940321366
SNP_P1_87954_4301212	NC_021164.1	Ca_kabuli_chr05	4301212	AA	GG	1940321368
SNP_P1_87956_4305792	NC_021164.1	Ca_kabuli_chr05	4305792	AA	TT	1940321369
SNP_P1_87957_4305808	NC_021164.1	Ca_kabuli_chr05	4305808	CC	TT	1940321371
SNP_P1_87958_4305831	NC_021164.1	Ca_kabuli_chr05	4305831	GG	AA	1940321373
SNP_P1_87959_4306195	NC_021164.1	Ca_kabuli_chr05	4306195	AA	TT	1940321374
SNP_P1_87961_4313525	NC_021164.1	Ca_kabuli_chr05	4313525	CC	TT	1940321376
SNP_P1_87962_4314623	NC_021164.1	Ca_kabuli_chr05	4314623	GG	AA	1940321378
SNP_P1_87963_4314908	NC_021164.1	Ca_kabuli_chr05	4314908	GG	TT	1940321379
SNP_P1_87964_4314909	NC_021164.1	Ca_kabuli_chr05	4314909	TT	AA	1940321381
SNP_P1_87965_4314961	NC_021164.1	Ca_kabuli_chr05	4314961	TT	AA	1940321383
SNP_P1_87966_4315187	NC_021164.1	Ca_kabuli_chr05	4315187	AA	GG	1940321384

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_87968_4315683	NC_021164.1	Ca_kabuli_chr05	4315683	CC	GG	1940321388
SNP_P1_87969_4317061	NC_021164.1	Ca_kabuli_chr05	4317061	GG	AA	1940321389
SNP_P1_87970_4317068	NC_021164.1	Ca_kabuli_chr05	4317068	AA	GG	1940321391
SNP_P1_87971_4361914	NC_021164.1	Ca_kabuli_chr05	4361914	AA	GG	1940321393
SNP_P1_87972_4377726	NC_021164.1	Ca_kabuli_chr05	4377726	AA	GG	1940321394
SNP_P1_87973_4378807	NC_021164.1	Ca_kabuli_chr05	4378807	GG	AA	1940321396
SNP_P1_87974_4379432	NC_021164.1	Ca_kabuli_chr05	4379432	GG	AA	1940321398
SNP_P1_87975_4379477	NC_021164.1	Ca_kabuli_chr05	4379477	CC	AA	1940321399
SNP_P1_87976_4379572	NC_021164.1	Ca_kabuli_chr05	4379572	TT	AA	1940321401
SNP_P1_87977_4379578	NC_021164.1	Ca_kabuli_chr05	4379578	AA	GG	1940321403
SNP_P1_87978_4388131	NC_021164.1	Ca_kabuli_chr05	4388131	TT	GG	1940321404
SNP_P1_87979_4397870	NC_021164.1	Ca_kabuli_chr05	4397870	AA	GG	1940321406
SNP_P1_87980_4403559	NC_021164.1	Ca_kabuli_chr05	4403559	TT	CC	1940321408
SNP_P1_87982_4433503	NC_021164.1	Ca_kabuli_chr05	4433503	CC	AA	1940321410
SNP_P1_87983_4433506	NC_021164.1	Ca_kabuli_chr05	4433506	TT	CC	1940321411
SNP_P1_87984_4433515	NC_021164.1	Ca_kabuli_chr05	4433515	AA	TT	1940321413
SNP_P1_87985_4433778	NC_021164.1	Ca_kabuli_chr05	4433778	AA	TT	1940321415
SNP_P1_87986_4433783	NC_021164.1	Ca_kabuli_chr05	4433783	TT	AA	1940321416
SNP_P1_87987_4433829	NC_021164.1	Ca_kabuli_chr05	4433829	GG	AA	1940321418
SNP_P1_87988_4434019	NC_021164.1	Ca_kabuli_chr05	4434019	TT	GG	1940321420
SNP_P1_87989_4437038	NC_021164.1	Ca_kabuli_chr05	4437038	GG	CC	1940321421
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SNP_P1_87994_4524900	NC_021164.1	Ca_kabuli_chr05	4524900	CC	TT	1940321426
SNP_P1_87996_4536055	NC_021164.1	Ca_kabuli_chr05	4536055	AA	GG	1940321428
SNP_P1_87997_4541710	NC_021164.1	Ca_kabuli_chr05	4541710	GG	AA	1940321430
SNP_P1_87998_4541754	NC_021164.1	Ca_kabuli_chr05	4541754	CC	TT	1940321431
SNP_P1_87999_4541758	NC_021164.1	Ca_kabuli_chr05	4541758	AA	GG	1940321433
SNP_P1_88000_4542016	NC_021164.1	Ca_kabuli_chr05	4542016	GG	AA	1940321435
SNP_P1_88001_4542018	NC_021164.1	Ca_kabuli_chr05	4542018	TT	GG	1940321436
SNP_P1_88002_4542076	NC_021164.1	Ca_kabuli_chr05	4542076	GG	AA	1940321438
SNP_P1_88003_4542184	NC_021164.1	Ca_kabuli_chr05	4542184	CC	TT	1940321440
SNP_P1_88004_4542198	NC_021164.1	Ca_kabuli_chr05	4542198	CC	GG	1940321441
SNP_P1_88005_4542224	NC_021164.1	Ca_kabuli_chr05	4542224	TT	CC	1940321443
SNP_P1_88006_4542230	NC_021164.1	Ca_kabuli_chr05	4542230	GG	TT	1940321445
SNP_P1_88007_4542271	NC_021164.1	Ca_kabuli_chr05	4542271	CC	TT	1940321446
SNP_P1_88008_4542276	NC_021164.1	Ca_kabuli_chr05	4542276	GG	AA	1940321448
SNP_P1_88009_4543956	NC_021164.1	Ca_kabuli_chr05	4543956	CC	TT	1940321450
SNP_P1_88010_4543965	NC_021164.1	Ca_kabuli_chr05	4543965	AA	GG	1940321451
SNP_P1_88012_4552583	NC_021164.1	Ca_kabuli_chr05	4552583	AA	GG	1940321453
SNP_P1_88013_4552587	NC_021164.1	Ca_kabuli_chr05	4552587	GG	AA	1940321455

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88016_4556981	NC_021164.1	Ca_kabuli_chr05	4556981	AA	TT	1940321460
SNP_P1_88017_4574546	NC_021164.1	Ca_kabuli_chr05	4574546	AA	GG	1940321462
SNP_P1_88018_4574566	NC_021164.1	Ca_kabuli_chr05	4574566	GG	TT	1940321463
SNP_P1_88019_4574602	NC_021164.1	Ca_kabuli_chr05	4574602	CC	TT	1940321465
SNP_P1_88020_4575962	NC_021164.1	Ca_kabuli_chr05	4575962	AA	GG	1940321467
SNP_P1_88021_4593448	NC_021164.1	Ca_kabuli_chr05	4593448	CC	AA	1940321468
SNP_P1_88022_4593451	NC_021164.1	Ca_kabuli_chr05	4593451	CC	TT	1940321470
SNP_P1_88023_4593499	NC_021164.1	Ca_kabuli_chr05	4593499	CC	TT	1940321472
SNP_P1_88024_4599993	NC_021164.1	Ca_kabuli_chr05	4599993	CC	TT	1940321473
SNP_P1_88025_4616014	NC_021164.1	Ca_kabuli_chr05	4616014	TT	CC	1940321475
SNP_P1_88026_4616303	NC_021164.1	Ca_kabuli_chr05	4616303	AA	GG	1940321477
SNP_P1_88027_4616320	NC_021164.1	Ca_kabuli_chr05	4616320	TT	CC	1940321478
SNP_P1_88028_4616321	NC_021164.1	Ca_kabuli_chr05	4616321	GG	AA	1940321480
SNP_P1_88029_4616361	NC_021164.1	Ca_kabuli_chr05	4616361	GG	AA	1940321482
SNP_P1_88030_4620723	NC_021164.1	Ca_kabuli_chr05	4620723	GG	AA	1940321484
SNP_P1_88032_4673053	NC_021164.1	Ca_kabuli_chr05	4673053	CC	AA	1940321485
SNP_P1_88033_4673215	NC_021164.1	Ca_kabuli_chr05	4673215	GG	AA	1940321487
SNP_P1_88034_4673220	NC_021164.1	Ca_kabuli_chr05	4673220	AA	GG	1940321489
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SNP_P1_88036_4678114	NC_021164.1	Ca_kabuli_chr05	4678114	TT	GG	1940321492
SNP_P1_88037_4678284	NC_021164.1	Ca_kabuli_chr05	4678284	TT	AA	1940321494
SNP_P1_88038_4678285	NC_021164.1	Ca_kabuli_chr05	4678285	AA	CC	1940321495
SNP_P1_88039_4678318	NC_021164.1	Ca_kabuli_chr05	4678318	TT	AA	1940321497
SNP_P1_88040_4678539	NC_021164.1	Ca_kabuli_chr05	4678539	TT	GG	1940321499
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SNP_P1_88042_4683969	NC_021164.1	Ca_kabuli_chr05	4683969	AA	TT	1940321502
SNP_P1_88043_4685855	NC_021164.1	Ca_kabuli_chr05	4685855	AA	CC	1940321504
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SNP_P1_88046_4690461	NC_021164.1	Ca_kabuli_chr05	4690461	AA	TT	1940321509
SNP_P1_88047_4694344	NC_021164.1	Ca_kabuli_chr05	4694344	TT	CC	1940321510
SNP_P1_88048_4702472	NC_021164.1	Ca_kabuli_chr05	4702472	AA	GG	1940321512
SNP_P1_88049_4702872	NC_021164.1	Ca_kabuli_chr05	4702872	AA	GG	1940321514
SNP_P1_88050_4711673	NC_021164.1	Ca_kabuli_chr05	4711673	GG	AA	1940321516
SNP_P1_88051_4713666	NC_021164.1	Ca_kabuli_chr05	4713666	CC	TT	1940321517
SNP_P1_88052_4713707	NC_021164.1	Ca_kabuli_chr05	4713707	TT	GG	1940321519
SNP_P1_88053_4713984	NC_021164.1	Ca_kabuli_chr05	4713984	TT	GG	1940321521
SNP_P1_88054_4714107	NC_021164.1	Ca_kabuli_chr05	4714107	AA	GG	1940321522
SNP_P1_88055_4715348	NC_021164.1	Ca_kabuli_chr05	4715348	TT	AA	1940321524
SNP_P1_88056_4717819	NC_021164.1	Ca_kabuli_chr05	4717819	AA	GG	1940321526

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_88057_4728448	NC_021164.1	Ca_kabuli_chr05	4728448	CC	TT	1940321527
SNP_P1_88058_4731052	NC_021164.1	Ca_kabuli_chr05	4731052	GG	AA	1940321529
SNP_P1_88059_4731379	NC_021164.1	Ca_kabuli_chr05	4731379	TT	CC	1940321531
SNP_P1_88060_4731615	NC_021164.1	Ca_kabuli_chr05	4731615	AA	GG	1940321532
SNP_P1_88061_4734223	NC_021164.1	Ca_kabuli_chr05	4734223	TT	AA	1940321534
SNP_P1_88062_4737099	NC_021164.1	Ca_kabuli_chr05	4737099	GG	AA	1940321536
SNP_P1_88063_4737110	NC_021164.1	Ca_kabuli_chr05	4737110	AA	CC	1940321537
SNP_P1_88064_4737129	NC_021164.1	Ca_kabuli_chr05	4737129	GG	AA	1940321539
SNP_P1_88065_4737135	NC_021164.1	Ca_kabuli_chr05	4737135	AA	GG	1940321541
SNP_P1_88066_4739268	NC_021164.1	Ca_kabuli_chr05	4739268	TT	GG	1940321542
SNP_P1_88067_4744752	NC_021164.1	Ca_kabuli_chr05	4744752	TT	AA	1940321544
SNP_P1_88068_4744755	NC_021164.1	Ca_kabuli_chr05	4744755	TT	CC	1940321546
SNP_P1_88069_4745068	NC_021164.1	Ca_kabuli_chr05	4745068	GG	CC	1940321547
SNP_P1_88070_4745075	NC_021164.1	Ca_kabuli_chr05	4745075	CC	GG	1940321549
SNP_P1_88071_4745077	NC_021164.1	Ca_kabuli_chr05	4745077	AA	GG	1940321551
SNP_P1_88072_4747663	NC_021164.1	Ca_kabuli_chr05	4747663	TT	GG	1940321552
SNP_P1_88073_4747981	NC_021164.1	Ca_kabuli_chr05	4747981	AA	TT	1940321554
SNP_P1_88074_4748102	NC_021164.1	Ca_kabuli_chr05	4748102	TT	CC	1940321556
SNP_P1_88075_4748580	NC_021164.1	Ca_kabuli_chr05	4748580	TT	AA	1940321557
SNP_P1_88076_4748760	NC_021164.1	Ca_kabuli_chr05	4748760	TT	AA	1940321559
SNP_P1_88077_4748935	NC_021164.1	Ca_kabuli_chr05	4748935	AA	TT	1940321561
SNP_P1_88078_4751271	NC_021164.1	Ca_kabuli_chr05	4751271	TT	AA	1940321562
SNP_P1_88079_4751874	NC_021164.1	Ca_kabuli_chr05	4751874	TT	GG	1940321564
SNP_P1_88080_4763141	NC_021164.1	Ca_kabuli_chr05	4763141	CC	GG	1940321566
SNP_P1_88081_4763146	NC_021164.1	Ca_kabuli_chr05	4763146	GG	AA	1940321568
SNP_P1_88082_4763170	NC_021164.1	Ca_kabuli_chr05	4763170	CC	TT	1940321569
SNP_P1_88083_4767646	NC_021164.1	Ca_kabuli_chr05	4767646	AA	GG	1940321571
SNP_P1_88084_4767713	NC_021164.1	Ca_kabuli_chr05	4767713	TT	CC	1940321573
SNP_P1_88085_4767730	NC_021164.1	Ca_kabuli_chr05	4767730	AA	GG	1940321574
SNP_P1_88087_4767854	NC_021164.1	Ca_kabuli_chr05	4767854	TT	CC	1940321576
SNP_P1_88088_4767877	NC_021164.1	Ca_kabuli_chr05	4767877	AA	GG	1940321578
SNP_P1_88089_4767944	NC_021164.1	Ca_kabuli_chr05	4767944	CC	TT	1940321579
SNP_P1_88090_4768004	NC_021164.1	Ca_kabuli_chr05	4768004	AA	TT	1940321581
SNP_P1_88091_4768020	NC_021164.1	Ca_kabuli_chr05	4768020	GG	TT	1940321583
SNP_P1_88092_4768040	NC_021164.1	Ca_kabuli_chr05	4768040	AA	GG	1940321584
SNP_P1_88093_4768343	NC_021164.1	Ca_kabuli_chr05	4768343	TT	CC	1940321586
SNP_P1_88094_4768369	NC_021164.1	Ca_kabuli_chr05	4768369	TT	CC	1940321588
SNP_P1_88095_4768376	NC_021164.1	Ca_kabuli_chr05	4768376	GG	AA	1940321589
SNP_P1_88096_4768387	NC_021164.1	Ca_kabuli_chr05	4768387	TT	GG	1940321591
SNP_P1_88097_4768408	NC_021164.1	Ca_kabuli_chr05	4768408	GG	AA	1940321593
SNP_P1_88098_4768427	NC_021164.1	Ca_kabuli_chr05	4768427	TT	CC	1940321594
SNP_P1_88099_4768442	NC_021164.1	Ca_kabuli_chr05	4768442	TT	CC	1940321596

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_88100_4768595	NC_021164.1	Ca_kabuli_chr05	4768595	CC	TT	1940321598
SNP_P1_88102_4768638	NC_021164.1	Ca_kabuli_chr05	4768638	GG	TT	1940321599
SNP_P1_88103_4768668	NC_021164.1	Ca_kabuli_chr05	4768668	AA	TT	1940321601
SNP_P1_88104_4768706	NC_021164.1	Ca_kabuli_chr05	4768706	CC	TT	1940321603
SNP_P1_88105_4768723	NC_021164.1	Ca_kabuli_chr05	4768723	GG	AA	1940321605
SNP_P1_88106_4768730	NC_021164.1	Ca_kabuli_chr05	4768730	CC	TT	1940321606
SNP_P1_88107_4786568	NC_021164.1	Ca_kabuli_chr05	4786568	GG	AA	1940321608
SNP_P1_88108_4786669	NC_021164.1	Ca_kabuli_chr05	4786669	TT	CC	1940321610
SNP_P1_88109_4793230	NC_021164.1	Ca_kabuli_chr05	4793230	AA	GG	1940321611
SNP_P1_88110_4793965	NC_021164.1	Ca_kabuli_chr05	4793965	CC	TT	1940321613
SNP_P1_88111_4794635	NC_021164.1	Ca_kabuli_chr05	4794635	GG	AA	1940321615
SNP_P1_88112_4794649	NC_021164.1	Ca_kabuli_chr05	4794649	CC	TT	1940321616
SNP_P1_88113_4794650	NC_021164.1	Ca_kabuli_chr05	4794650	AA	GG	1940321618
SNP_P1_88114_4794651	NC_021164.1	Ca_kabuli_chr05	4794651	AA	TT	1940321620
SNP_P1_88115_4794656	NC_021164.1	Ca_kabuli_chr05	4794656	TT	CC	1940321621
SNP_P1_88116_4794657	NC_021164.1	Ca_kabuli_chr05	4794657	GG	TT	1940321623
SNP_P1_88117_4820859	NC_021164.1	Ca_kabuli_chr05	4820859	GG	AA	1940321625
SNP_P1_88118_4830568	NC_021164.1	Ca_kabuli_chr05	4830568	TT	CC	1940321626
SNP_P1_88119_4830840	NC_021164.1	Ca_kabuli_chr05	4830840	TT	CC	1940321628
SNP_P1_88120_4832431	NC_021164.1	Ca_kabuli_chr05	4832431	AA	CC	1940321630
SNP_P1_88121_4838876	NC_021164.1	Ca_kabuli_chr05	4838876	GG	AA	1940321632
SNP_P1_88123_4855874	NC_021164.1	Ca_kabuli_chr05	4855874	GG	AA	1940321633
SNP_P1_88124_4855961	NC_021164.1	Ca_kabuli_chr05	4855961	TT	CC	1940321635
SNP_P1_88125_4856044	NC_021164.1	Ca_kabuli_chr05	4856044	GG	AA	1940321637
SNP_P1_88126_4856183	NC_021164.1	Ca_kabuli_chr05	4856183	TT	CC	1940321638
SNP_P1_88127_4856227	NC_021164.1	Ca_kabuli_chr05	4856227	AA	GG	1940321640
SNP_P1_88128_4856228	NC_021164.1	Ca_kabuli_chr05	4856228	GG	TT	1940321642
SNP_P1_88129_4856291	NC_021164.1	Ca_kabuli_chr05	4856291	CC	TT	1940321643
SNP_P1_88130_4856381	NC_021164.1	Ca_kabuli_chr05	4856381	CC	TT	1940321645
SNP_P1_88131_4856543	NC_021164.1	Ca_kabuli_chr05	4856543	AA	CC	1940321647
SNP_P1_88132_4856977	NC_021164.1	Ca_kabuli_chr05	4856977	AA	GG	1940321648
SNP_P1_88133_4857288	NC_021164.1	Ca_kabuli_chr05	4857288	AA	CC	1940321650
SNP_P1_88134_4869275	NC_021164.1	Ca_kabuli_chr05	4869275	AA	GG	1940321652
SNP_P1_88135_4869298	NC_021164.1	Ca_kabuli_chr05	4869298	TT	CC	1940321653
SNP_P1_88136_4869494	NC_021164.1	Ca_kabuli_chr05	4869494	GG	TT	1940321655
SNP_P1_88137_4869935	NC_021164.1	Ca_kabuli_chr05	4869935	CC	TT	1940321657
SNP_P1_88138_4870151	NC_021164.1	Ca_kabuli_chr05	4870151	TT	CC	1940321658
SNP_P1_88139_4870185	NC_021164.1	Ca_kabuli_chr05	4870185	GG	AA	1940321660
SNP_P1_88140_4870492	NC_021164.1	Ca_kabuli_chr05	4870492	CC	TT	1940321662
SNP_P1_88141_4870528	NC_021164.1	Ca_kabuli_chr05	4870528	GG	AA	1940321663
SNP_P1_88142_4870640	NC_021164.1	Ca_kabuli_chr05	4870640	TT	CC	1940321665
SNP_P1_88143_4870664	NC_021164.1	Ca_kabuli_chr05	4870664	CC	TT	1940321667

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_88144_4870698	NC_021164.1	Ca_kabuli_chr05	4870698	CC	AA	1940321668
SNP_P1_88146_4882901	NC_021164.1	Ca_kabuli_chr05	4882901	CC	TT	1940321670
SNP_P1_88147_4885274	NC_021164.1	Ca_kabuli_chr05	4885274	GG	TT	1940321672
SNP_P1_88148_4910639	NC_021164.1	Ca_kabuli_chr05	4910639	GG	AA	1940321674
SNP_P1_88149_4920527	NC_021164.1	Ca_kabuli_chr05	4920527	TT	CC	1940321675
SNP_P1_88150_4920528	NC_021164.1	Ca_kabuli_chr05	4920528	AA	TT	1940321677
SNP_P1_88151_4928311	NC_021164.1	Ca_kabuli_chr05	4928311	TT	CC	1940321679
SNP_P1_88152_4931710	NC_021164.1	Ca_kabuli_chr05	4931710	AA	TT	1940321680
SNP_P1_88153_4955703	NC_021164.1	Ca_kabuli_chr05	4955703	AA	CC	1940321682
SNP_P1_88154_4957941	NC_021164.1	Ca_kabuli_chr05	4957941	CC	TT	1940321684
SNP_P1_88155_4958722	NC_021164.1	Ca_kabuli_chr05	4958722	AA	GG	1940321685
SNP_P1_88156_4959352	NC_021164.1	Ca_kabuli_chr05	4959352	AA	TT	1940321687
SNP_P1_88157_4959388	NC_021164.1	Ca_kabuli_chr05	4959388	TT	AA	1940321689
SNP_P1_88158_4959425	NC_021164.1	Ca_kabuli_chr05	4959425	CC	TT	1940321690
SNP_P1_88159_4959436	NC_021164.1	Ca_kabuli_chr05	4959436	AA	CC	1940321692
SNP_P1_88160_4959462	NC_021164.1	Ca_kabuli_chr05	4959462	TT	CC	1940321694
SNP_P1_88161_4959467	NC_021164.1	Ca_kabuli_chr05	4959467	TT	GG	1940321695
SNP_P1_88162_4962394	NC_021164.1	Ca_kabuli_chr05	4962394	CC	AA	1940321697
SNP_P1_88163_4962824	NC_021164.1	Ca_kabuli_chr05	4962824	AA	GG	1940321699
SNP_P1_88165_4969267	NC_021164.1	Ca_kabuli_chr05	4969267	GG	AA	1940321700
SNP_P1_88166_4969274	NC_021164.1	Ca_kabuli_chr05	4969274	TT	CC	1940321702
SNP_P1_88167_4969348	NC_021164.1	Ca_kabuli_chr05	4969348	TT	CC	1940321704
SNP_P1_88168_4969350	NC_021164.1	Ca_kabuli_chr05	4969350	TT	CC	1940321705
SNP_P1_88169_4969579	NC_021164.1	Ca_kabuli_chr05	4969579	CC	TT	1940321707
SNP_P1_88170_4969686	NC_021164.1	Ca_kabuli_chr05	4969686	AA	TT	1940321709
SNP_P1_88171_4969730	NC_021164.1	Ca_kabuli_chr05	4969730	AA	GG	1940321710
SNP_P1_88172_4969758	NC_021164.1	Ca_kabuli_chr05	4969758	AA	GG	1940321712
SNP_P1_88173_4969792	NC_021164.1	Ca_kabuli_chr05	4969792	AA	GG	1940321714
SNP_P1_88174_4969835	NC_021164.1	Ca_kabuli_chr05	4969835	AA	GG	1940321716
SNP_P1_88176_4973624	NC_021164.1	Ca_kabuli_chr05	4973624	GG	AA	1940321717
SNP_P1_88178_5012322	NC_021164.1	Ca_kabuli_chr05	5012322	AA	GG	1940321719
SNP_P1_88179_5012894	NC_021164.1	Ca_kabuli_chr05	5012894	TT	AA	1940321721
SNP_P1_88180_5012936	NC_021164.1	Ca_kabuli_chr05	5012936	GG	AA	1940321722
SNP_P1_88181_5036495	NC_021164.1	Ca_kabuli_chr05	5036495	CC	TT	1940321724
SNP_P1_88182_5054177	NC_021164.1	Ca_kabuli_chr05	5054177	TT	CC	1940321726
SNP_P1_88183_5054329	NC_021164.1	Ca_kabuli_chr05	5054329	CC	TT	1940321727
SNP_P1_88184_5083388	NC_021164.1	Ca_kabuli_chr05	5083388	GG	AA	1940321729
SNP_P1_88185_5089139	NC_021164.1	Ca_kabuli_chr05	5089139	GG	AA	1940321731
SNP_P1_88186_5096555	NC_021164.1	Ca_kabuli_chr05	5096555	AA	GG	1940321732
SNP_P1_88188_5126055	NC_021164.1	Ca_kabuli_chr05	5126055	CC	TT	1940321734
SNP_P1_88189_5126065	NC_021164.1	Ca_kabuli_chr05	5126065	GG	AA	1940321736
SNP_P1_88190_5147401	NC_021164.1	Ca_kabuli_chr05	5147401	TT	CC	1940321737

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_88191_5152559	NC_021164.1	Ca_kabuli_chr05	5152559	GG	AA	1940321739
SNP_P1_88192_5160551	NC_021164.1	Ca_kabuli_chr05	5160551	CC	TT	1940321741
SNP_P1_88194_5193962	NC_021164.1	Ca_kabuli_chr05	5193962	CC	TT	1940321742
SNP_P1_88195_5194011	NC_021164.1	Ca_kabuli_chr05	5194011	AA	GG	1940321744
SNP_P1_88196_5194030	NC_021164.1	Ca_kabuli_chr05	5194030	GG	TT	1940321746
SNP_P1_88197_5194031	NC_021164.1	Ca_kabuli_chr05	5194031	AA	GG	1940321748
SNP_P1_88198_5194049	NC_021164.1	Ca_kabuli_chr05	5194049	AA	GG	1940321749
SNP_P1_88199_5194103	NC_021164.1	Ca_kabuli_chr05	5194103	TT	CC	1940321751
SNP_P1_88200_5194140	NC_021164.1	Ca_kabuli_chr05	5194140	TT	GG	1940321753
SNP_P1_88201_5194168	NC_021164.1	Ca_kabuli_chr05	5194168	TT	CC	1940321754
SNP_P1_88202_5194177	NC_021164.1	Ca_kabuli_chr05	5194177	AA	GG	1940321756
SNP_P1_88205_5234602	NC_021164.1	Ca_kabuli_chr05	5234602	CC	TT	1940321758
SNP_P1_88208_5264301	NC_021164.1	Ca_kabuli_chr05	5264301	GG	AA	1940321759
SNP_P1_88209_5269083	NC_021164.1	Ca_kabuli_chr05	5269083	TT	AA	1940321761
SNP_P1_88210_5269099	NC_021164.1	Ca_kabuli_chr05	5269099	AA	CC	1940321763
SNP_P1_88211_5269122	NC_021164.1	Ca_kabuli_chr05	5269122	TT	CC	1940321764
SNP_P1_88212_5269137	NC_021164.1	Ca_kabuli_chr05	5269137	AA	GG	1940321766
SNP_P1_88213_5269228	NC_021164.1	Ca_kabuli_chr05	5269228	TT	AA	1940321768
SNP_P1_88214_5269246	NC_021164.1	Ca_kabuli_chr05	5269246	AA	GG	1940321769
SNP_P1_88215_5269255	NC_021164.1	Ca_kabuli_chr05	5269255	TT	CC	1940321771
SNP_P1_88216_5269276	NC_021164.1	Ca_kabuli_chr05	5269276	TT	CC	1940321773
SNP_P1_88217_5284779	NC_021164.1	Ca_kabuli_chr05	5284779	CC	TT	1940321774
SNP_P1_88219_5299414	NC_021164.1	Ca_kabuli_chr05	5299414	CC	GG	1940321776
SNP_P1_88220_5299472	NC_021164.1	Ca_kabuli_chr05	5299472	CC	TT	1940321778
SNP_P1_88221_5299505	NC_021164.1	Ca_kabuli_chr05	5299505	CC	TT	1940321779
SNP_P1_88222_5299508	NC_021164.1	Ca_kabuli_chr05	5299508	CC	TT	1940321781
SNP_P1_88223_5299520	NC_021164.1	Ca_kabuli_chr05	5299520	TT	CC	1940321783
SNP_P1_88224_5299830	NC_021164.1	Ca_kabuli_chr05	5299830	AA	GG	1940321784
SNP_P1_88225_5299870	NC_021164.1	Ca_kabuli_chr05	5299870	AA	CC	1940321786
SNP_P1_88226_5299883	NC_021164.1	Ca_kabuli_chr05	5299883	TT	CC	1940321788
SNP_P1_88227_5299898	NC_021164.1	Ca_kabuli_chr05	5299898	TT	CC	1940321790
SNP_P1_88228_5299936	NC_021164.1	Ca_kabuli_chr05	5299936	AA	GG	1940321791
SNP_P1_88229_5300015	NC_021164.1	Ca_kabuli_chr05	5300015	CC	TT	1940321793
SNP_P1_88231_5318972	NC_021164.1	Ca_kabuli_chr05	5318972	CC	GG	1940321795
SNP_P1_88232_5319575	NC_021164.1	Ca_kabuli_chr05	5319575	TT	GG	1940321796
SNP_P1_88236_5352379	NC_021164.1	Ca_kabuli_chr05	5352379	CC	TT	1940321798
SNP_P1_88237_5352803	NC_021164.1	Ca_kabuli_chr05	5352803	AA	TT	1940321800
SNP_P1_88238_5352858	NC_021164.1	Ca_kabuli_chr05	5352858	TT	AA	1940321801
SNP_P1_88239_5360644	NC_021164.1	Ca_kabuli_chr05	5360644	GG	CC	1940321803
SNP_P1_88240_5363215	NC_021164.1	Ca_kabuli_chr05	5363215	TT	GG	1940321805
SNP_P1_88241_5363260	NC_021164.1	Ca_kabuli_chr05	5363260	TT	GG	1940321806
SNP_P1_88242_5363282	NC_021164.1	Ca_kabuli_chr05	5363282	TT	CC	1940321808

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88244_5363375	NC_021164.1	Ca_kabuli_chr05	5363375	AA	CC	1940321811
SNP_P1_88245_5363419	NC_021164.1	Ca_kabuli_chr05	5363419	TT	CC	1940321813
SNP_P1_88246_5363516	NC_021164.1	Ca_kabuli_chr05	5363516	TT	CC	1940321815
SNP_P1_88247_5363524	NC_021164.1	Ca_kabuli_chr05	5363524	TT	GG	1940321817
SNP_P1_88248_5363545	NC_021164.1	Ca_kabuli_chr05	5363545	AA	CC	1940321818
SNP_P1_88249_5363665	NC_021164.1	Ca_kabuli_chr05	5363665	GG	AA	1940321820
SNP_P1_88250_5364897	NC_021164.1	Ca_kabuli_chr05	5364897	GG	AA	1940321822
SNP_P1_88251_5364909	NC_021164.1	Ca_kabuli_chr05	5364909	TT	CC	1940321823
SNP_P1_88252_5366136	NC_021164.1	Ca_kabuli_chr05	5366136	TT	CC	1940321825
SNP_P1_88253_5366159	NC_021164.1	Ca_kabuli_chr05	5366159	CC	TT	1940321827
SNP_P1_88254_5366545	NC_021164.1	Ca_kabuli_chr05	5366545	AA	GG	1940321828
SNP_P1_88255_5368614	NC_021164.1	Ca_kabuli_chr05	5368614	TT	GG	1940321830
SNP_P1_88256_5377471	NC_021164.1	Ca_kabuli_chr05	5377471	TT	CC	1940321832
SNP_P1_88257_5391734	NC_021164.1	Ca_kabuli_chr05	5391734	CC	TT	1940321833
SNP_P1_88258_5397086	NC_021164.1	Ca_kabuli_chr05	5397086	TT	AA	1940321835
SNP_P1_88259_5405738	NC_021164.1	Ca_kabuli_chr05	5405738	CC	TT	1940321837
SNP_P1_88260_5415961	NC_021164.1	Ca_kabuli_chr05	5415961	AA	CC	1940321838
SNP_P1_88261_5425216	NC_021164.1	Ca_kabuli_chr05	5425216	AA	GG	1940321840
SNP_P1_88262_5425451	NC_021164.1	Ca_kabuli_chr05	5425451	TT	AA	1940321842
SNP_P1_88263_5425455	NC_021164.1	Ca_kabuli_chr05	5425455	GG	AA	1940321843
SNP_P1_88264_5425475	NC_021164.1	Ca_kabuli_chr05	5425475	CC	AA	1940321845
SNP_P1_88265_5436551	NC_021164.1	Ca_kabuli_chr05	5436551	AA	GG	1940321847
SNP_P1_88266_5436962	NC_021164.1	Ca_kabuli_chr05	5436962	AA	GG	1940321848
SNP_P1_88267_5436969	NC_021164.1	Ca_kabuli_chr05	5436969	CC	AA	1940321850
SNP_P1_88268_5465686	NC_021164.1	Ca_kabuli_chr05	5465686	AA	TT	1940321852
SNP_P1_88269_5469332	NC_021164.1	Ca_kabuli_chr05	5469332	CC	GG	1940321854
SNP_P1_88270_5473034	NC_021164.1	Ca_kabuli_chr05	5473034	TT	AA	1940321855
SNP_P1_88271_5481085	NC_021164.1	Ca_kabuli_chr05	5481085	AA	GG	1940321857
SNP_P1_88272_5481948	NC_021164.1	Ca_kabuli_chr05	5481948	CC	GG	1940321859
SNP_P1_88274_5499149	NC_021164.1	Ca_kabuli_chr05	5499149	CC	TT	1940321860
SNP_P1_88275_5504068	NC_021164.1	Ca_kabuli_chr05	5504068	TT	CC	1940321862
SNP_P1_88276_5504148	NC_021164.1	Ca_kabuli_chr05	5504148	GG	AA	1940321864
SNP_P1_88277_5504165	NC_021164.1	Ca_kabuli_chr05	5504165	AA	GG	1940321865
SNP_P1_88278_5534153	NC_021164.1	Ca_kabuli_chr05	5534153	AA	GG	1940321867
SNP_P1_88279_5534293	NC_021164.1	Ca_kabuli_chr05	5534293	AA	GG	1940321869
SNP_P1_88280_5534294	NC_021164.1	Ca_kabuli_chr05	5534294	TT	GG	1940321870
SNP_P1_88281_5534354	NC_021164.1	Ca_kabuli_chr05	5534354	TT	GG	1940321872
SNP_P1_88282_5534367	NC_021164.1	Ca_kabuli_chr05	5534367	CC	TT	1940321874
SNP_P1_88283_5542221	NC_021164.1	Ca_kabuli_chr05	5542221	CC	TT	1940321875
SNP_P1_88284_5544592	NC_021164.1	Ca_kabuli_chr05	5544592	CC	TT	1940321877
SNP_P1_88285_5552018	NC_021164.1	Ca_kabuli_chr05	5552018	GG	AA	1940321879

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88289_5585095	NC_021164.1	Ca_kabuli_chr05	5585095	CC	TT	1940321882
SNP_P1_88290_5585799	NC_021164.1	Ca_kabuli_chr05	5585799	AA	TT	1940321884
SNP_P1_88291_5585826	NC_021164.1	Ca_kabuli_chr05	5585826	AA	CC	1940321885
SNP_P1_88292_5585827	NC_021164.1	Ca_kabuli_chr05	5585827	TT	CC	1940321887
SNP_P1_88293_5585848	NC_021164.1	Ca_kabuli_chr05	5585848	TT	GG	1940321889
SNP_P1_88294_5585892	NC_021164.1	Ca_kabuli_chr05	5585892	CC	AA	1940321891
SNP_P1_88295_5586003	NC_021164.1	Ca_kabuli_chr05	5586003	TT	CC	1940321892
SNP_P1_88296_5586059	NC_021164.1	Ca_kabuli_chr05	5586059	TT	CC	1940321894
SNP_P1_88297_5586094	NC_021164.1	Ca_kabuli_chr05	5586094	GG	CC	1940321895
SNP_P1_88298_5586104	NC_021164.1	Ca_kabuli_chr05	5586104	AA	GG	1940321897
SNP_P1_88299_5586111	NC_021164.1	Ca_kabuli_chr05	5586111	CC	GG	1940321899
SNP_P1_88300_5586245	NC_021164.1	Ca_kabuli_chr05	5586245	GG	TT	1940321901
SNP_P1_88301_5586247	NC_021164.1	Ca_kabuli_chr05	5586247	TT	CC	1940321902
SNP_P1_88302_5586251	NC_021164.1	Ca_kabuli_chr05	5586251	CC	TT	1940321904
SNP_P1_88303_5586286	NC_021164.1	Ca_kabuli_chr05	5586286	CC	TT	1940321906
SNP_P1_88304_5586411	NC_021164.1	Ca_kabuli_chr05	5586411	CC	TT	1940321907
SNP_P1_88305_5586412	NC_021164.1	Ca_kabuli_chr05	5586412	CC	TT	1940321909
SNP_P1_88306_5586416	NC_021164.1	Ca_kabuli_chr05	5586416	GG	TT	1940321911
SNP_P1_88307_5586448	NC_021164.1	Ca_kabuli_chr05	5586448	CC	TT	1940321913
SNP_P1_88308_5590618	NC_021164.1	Ca_kabuli_chr05	5590618	TT	CC	1940321914
SNP_P1_88309_5590635	NC_021164.1	Ca_kabuli_chr05	5590635	GG	CC	1940321916
SNP_P1_88310_5590638	NC_021164.1	Ca_kabuli_chr05	5590638	CC	TT	1940321918
SNP_P1_88311_5590639	NC_021164.1	Ca_kabuli_chr05	5590639	AA	GG	1940321919
SNP_P1_88312_5590660	NC_021164.1	Ca_kabuli_chr05	5590660	AA	GG	1940321921
SNP_P1_88313_5590827	NC_021164.1	Ca_kabuli_chr05	5590827	TT	GG	1940321923
SNP_P1_88314_5591035	NC_021164.1	Ca_kabuli_chr05	5591035	TT	GG	1940321924
SNP_P1_88316_5603954	NC_021164.1	Ca_kabuli_chr05	5603954	AA	TT	1940321926
SNP_P1_88318_5670838	NC_021164.1	Ca_kabuli_chr05	5670838	CC	GG	1940321928
SNP_P1_88319_5674061	NC_021164.1	Ca_kabuli_chr05	5674061	TT	CC	1940321929
SNP_P1_88320_5702940	NC_021164.1	Ca_kabuli_chr05	5702940	CC	TT	1940321931
SNP_P1_88323_5731298	NC_021164.1	Ca_kabuli_chr05	5731298	GG	TT	1940321933
SNP_P1_88324_5735353	NC_021164.1	Ca_kabuli_chr05	5735353	AA	GG	1940321935
SNP_P1_88325_5735399	NC_021164.1	Ca_kabuli_chr05	5735399	AA	TT	1940321936
SNP_P1_88326_5735407	NC_021164.1	Ca_kabuli_chr05	5735407	TT	CC	1940321938
SNP_P1_88327_5735411	NC_021164.1	Ca_kabuli_chr05	5735411	TT	CC	1940321940
SNP_P1_88328_5735419	NC_021164.1	Ca_kabuli_chr05	5735419	AA	TT	1940321941
SNP_P1_88329_5735426	NC_021164.1	Ca_kabuli_chr05	5735426	TT	CC	1940321943
SNP_P1_88330_5756013	NC_021164.1	Ca_kabuli_chr05	5756013	CC	TT	1940321945
SNP_P1_88331_5756031	NC_021164.1	Ca_kabuli_chr05	5756031	CC	TT	1940321946
SNP_P1_88332_5769482	NC_021164.1	Ca_kabuli_chr05	5769482	TT	CC	1940321948
SNP_P1_88333_5769866	NC_021164.1	Ca_kabuli_chr05	5769866	TT	GG	1940321950

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88337_5788971	NC_021164.1	Ca_kabuli_chr05	5788971	GG	TT	1940321953
SNP_P1_88340_5823553	NC_021164.1	Ca_kabuli_chr05	5823553	AA	TT	1940321955
SNP_P1_88341_5823594	NC_021164.1	Ca_kabuli_chr05	5823594	GG	AA	1940321956
SNP_P1_88342_5824078	NC_021164.1	Ca_kabuli_chr05	5824078	CC	TT	1940321958
SNP_P1_88343_5824260	NC_021164.1	Ca_kabuli_chr05	5824260	TT	CC	1940321960
SNP_P1_88344_5824708	NC_021164.1	Ca_kabuli_chr05	5824708	TT	CC	1940321962
SNP_P1_88345_5825113	NC_021164.1	Ca_kabuli_chr05	5825113	GG	AA	1940321963
SNP_P1_88346_5825142	NC_021164.1	Ca_kabuli_chr05	5825142	TT	GG	1940321965
SNP_P1_88347_5825443	NC_021164.1	Ca_kabuli_chr05	5825443	AA	GG	1940321967
SNP_P1_88348_5825469	NC_021164.1	Ca_kabuli_chr05	5825469	TT	GG	1940321968
SNP_P1_88349_5826060	NC_021164.1	Ca_kabuli_chr05	5826060	AA	CC	1940321970
SNP_P1_88350_5826063	NC_021164.1	Ca_kabuli_chr05	5826063	AA	GG	1940321972
SNP_P1_88351_5827337	NC_021164.1	Ca_kabuli_chr05	5827337	CC	TT	1940321973
SNP_P1_88352_5827357	NC_021164.1	Ca_kabuli_chr05	5827357	TT	CC	1940321975
SNP_P1_88353_5827402	NC_021164.1	Ca_kabuli_chr05	5827402	AA	TT	1940321977
SNP_P1_88354_5827445	NC_021164.1	Ca_kabuli_chr05	5827445	AA	CC	1940321978
SNP_P1_88355_5827458	NC_021164.1	Ca_kabuli_chr05	5827458	TT	GG	1940321980
SNP_P1_88356_5827525	NC_021164.1	Ca_kabuli_chr05	5827525	CC	TT	1940321982
SNP_P1_88357_5827550	NC_021164.1	Ca_kabuli_chr05	5827550	AA	CC	1940321983
SNP_P1_88358_5827556	NC_021164.1	Ca_kabuli_chr05	5827556	AA	GG	1940321985
SNP_P1_88359_5827585	NC_021164.1	Ca_kabuli_chr05	5827585	TT	GG	1940321987
SNP_P1_88360_5827634	NC_021164.1	Ca_kabuli_chr05	5827634	CC	TT	1940321988
SNP_P1_88361_5827823	NC_021164.1	Ca_kabuli_chr05	5827823	CC	TT	1940321990
SNP_P1_88362_5827833	NC_021164.1	Ca_kabuli_chr05	5827833	GG	AA	1940321992
SNP_P1_88363_5827835	NC_021164.1	Ca_kabuli_chr05	5827835	CC	TT	1940321994
SNP_P1_88364_5827837	NC_021164.1	Ca_kabuli_chr05	5827837	AA	GG	1940321995
SNP_P1_88365_5827994	NC_021164.1	Ca_kabuli_chr05	5827994	GG	CC	1940321997
SNP_P1_88366_5828170	NC_021164.1	Ca_kabuli_chr05	5828170	AA	GG	1940321999
SNP_P1_88367_5828199	NC_021164.1	Ca_kabuli_chr05	5828199	TT	AA	1940322000
SNP_P1_88368_5831378	NC_021164.1	Ca_kabuli_chr05	5831378	TT	GG	1940322002
SNP_P1_88369_5831609	NC_021164.1	Ca_kabuli_chr05	5831609	GG	AA	1940322004
SNP_P1_88370_5831649	NC_021164.1	Ca_kabuli_chr05	5831649	TT	CC	1940322005
SNP_P1_88371_5831868	NC_021164.1	Ca_kabuli_chr05	5831868	TT	CC	1940322007
SNP_P1_88372_5832007	NC_021164.1	Ca_kabuli_chr05	5832007	GG	AA	1940322009
SNP_P1_88373_5832032	NC_021164.1	Ca_kabuli_chr05	5832032	AA	GG	1940322010
SNP_P1_88374_5832066	NC_021164.1	Ca_kabuli_chr05	5832066	CC	TT	1940322012
SNP_P1_88375_5833063	NC_021164.1	Ca_kabuli_chr05	5833063	GG	TT	1940322014
SNP_P1_88376_5835241	NC_021164.1	Ca_kabuli_chr05	5835241	TT	CC	1940322015
SNP_P1_88377_5835250	NC_021164.1	Ca_kabuli_chr05	5835250	AA	CC	1940322017
SNP_P1_88378_5835354	NC_021164.1	Ca_kabuli_chr05	5835354	AA	TT	1940322019
SNP_P1_88380_5835422	NC_021164.1	Ca_kabuli_chr05	5835422	TT	AA	1940322020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_88381_5835428	NC_021164.1	Ca_kabuli_chr05	5835428	TT	AA	1940322022
SNP_P1_88382_5835446	NC_021164.1	Ca_kabuli_chr05	5835446	CC	TT	1940322024
SNP_P1_88383_5835517	NC_021164.1	Ca_kabuli_chr05	5835517	AA	GG	1940322026
SNP_P1_88384_5835712	NC_021164.1	Ca_kabuli_chr05	5835712	TT	CC	1940322027
SNP_P1_88385_5835725	NC_021164.1	Ca_kabuli_chr05	5835725	GG	TT	1940322029
SNP_P1_88386_5835766	NC_021164.1	Ca_kabuli_chr05	5835766	CC	TT	1940322031
SNP_P1_88387_5836252	NC_021164.1	Ca_kabuli_chr05	5836252	AA	GG	1940322032
SNP_P1_88388_5836280	NC_021164.1	Ca_kabuli_chr05	5836280	TT	CC	1940322034
SNP_P1_88389_5836284	NC_021164.1	Ca_kabuli_chr05	5836284	CC	AA	1940322036
SNP_P1_88390_5836341	NC_021164.1	Ca_kabuli_chr05	5836341	AA	TT	1940322037
SNP_P1_88391_5836342	NC_021164.1	Ca_kabuli_chr05	5836342	TT	AA	1940322039
SNP_P1_88392_5836376	NC_021164.1	Ca_kabuli_chr05	5836376	CC	TT	1940322041
SNP_P1_88393_5836402	NC_021164.1	Ca_kabuli_chr05	5836402	TT	GG	1940322042
SNP_P1_88394_5836407	NC_021164.1	Ca_kabuli_chr05	5836407	GG	TT	1940322044
SNP_P1_88395_5836473	NC_021164.1	Ca_kabuli_chr05	5836473	CC	TT	1940322046
SNP_P1_88396_5836479	NC_021164.1	Ca_kabuli_chr05	5836479	CC	AA	1940322047
SNP_P1_88397_5836528	NC_021164.1	Ca_kabuli_chr05	5836528	AA	CC	1940322049
SNP_P1_88398_5836709	NC_021164.1	Ca_kabuli_chr05	5836709	CC	AA	1940322051
SNP_P1_88399_5836718	NC_021164.1	Ca_kabuli_chr05	5836718	GG	AA	1940322052
SNP_P1_88400_5836721	NC_021164.1	Ca_kabuli_chr05	5836721	GG	AA	1940322054
SNP_P1_88402_5836913	NC_021164.1	Ca_kabuli_chr05	5836913	CC	GG	1940322056
SNP_P1_88403_5836920	NC_021164.1	Ca_kabuli_chr05	5836920	TT	GG	1940322058
SNP_P1_88404_5836955	NC_021164.1	Ca_kabuli_chr05	5836955	TT	GG	1940322059
SNP_P1_88405_5836999	NC_021164.1	Ca_kabuli_chr05	5836999	TT	AA	1940322061
SNP_P1_88406_5837024	NC_021164.1	Ca_kabuli_chr05	5837024	GG	AA	1940322063
SNP_P1_88408_5837131	NC_021164.1	Ca_kabuli_chr05	5837131	TT	CC	1940322064
SNP_P1_88409_5837271	NC_021164.1	Ca_kabuli_chr05	5837271	TT	CC	1940322066
SNP_P1_88410_5837283	NC_021164.1	Ca_kabuli_chr05	5837283	AA	GG	1940322068
SNP_P1_88411_5837327	NC_021164.1	Ca_kabuli_chr05	5837327	TT	AA	1940322069
SNP_P1_88412_5837487	NC_021164.1	Ca_kabuli_chr05	5837487	TT	AA	1940322071
SNP_P1_88413_5854644	NC_021164.1	Ca_kabuli_chr05	5854644	TT	GG	1940322073
SNP_P1_88414_5854984	NC_021164.1	Ca_kabuli_chr05	5854984	TT	CC	1940322074
SNP_P1_88415_5855011	NC_021164.1	Ca_kabuli_chr05	5855011	TT	GG	1940322076
SNP_P1_88416_5855039	NC_021164.1	Ca_kabuli_chr05	5855039	AA	GG	1940322078
SNP_P1_88417_5855099	NC_021164.1	Ca_kabuli_chr05	5855099	TT	AA	1940322079
SNP_P1_88418_5855795	NC_021164.1	Ca_kabuli_chr05	5855795	AA	GG	1940322081
SNP_P1_88419_5855829	NC_021164.1	Ca_kabuli_chr05	5855829	CC	AA	1940322083
SNP_P1_88420_5855840	NC_021164.1	Ca_kabuli_chr05	5855840	GG	AA	1940322084
SNP_P1_88421_5855862	NC_021164.1	Ca_kabuli_chr05	5855862	CC	TT	1940322086
SNP_P1_88422_5855971	NC_021164.1	Ca_kabuli_chr05	5855971	CC	AA	1940322088
SNP_P1_88423_5857514	NC_021164.1	Ca_kabuli_chr05	5857514	CC	GG	1940322090
SNP_P1_88424_5857530	NC_021164.1	Ca_kabuli_chr05	5857530	TT	CC	1940322091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88426_5868375	NC_021164.1	Ca_kabuli_chr05	5868375	CC	TT	1940322095
SNP_P1_88427_5868381	NC_021164.1	Ca_kabuli_chr05	5868381	CC	AA	1940322096
SNP_P1_88428_5868385	NC_021164.1	Ca_kabuli_chr05	5868385	CC	GG	1940322098
SNP_P1_88429_5868399	NC_021164.1	Ca_kabuli_chr05	5868399	GG	TT	1940322100
SNP_P1_88430_5868402	NC_021164.1	Ca_kabuli_chr05	5868402	GG	AA	1940322101
SNP_P1_88431_5869665	NC_021164.1	Ca_kabuli_chr05	5869665	AA	GG	1940322103
SNP_P1_88432_5869674	NC_021164.1	Ca_kabuli_chr05	5869674	AA	GG	1940322105
SNP_P1_88433_5869851	NC_021164.1	Ca_kabuli_chr05	5869851	AA	GG	1940322106
SNP_P1_88434_5870240	NC_021164.1	Ca_kabuli_chr05	5870240	GG	TT	1940322108
SNP_P1_88435_5870259	NC_021164.1	Ca_kabuli_chr05	5870259	AA	GG	1940322110
SNP_P1_88436_5870324	NC_021164.1	Ca_kabuli_chr05	5870324	GG	AA	1940322111
SNP_P1_88437_5873106	NC_021164.1	Ca_kabuli_chr05	5873106	TT	CC	1940322113
SNP_P1_88438_5885836	NC_021164.1	Ca_kabuli_chr05	5885836	CC	TT	1940322115
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SNP_P1_88443_5953277	NC_021164.1	Ca_kabuli_chr05	5953277	AA	GG	1940322120
SNP_P1_88444_5957172	NC_021164.1	Ca_kabuli_chr05	5957172	AA	CC	1940322122
SNP_P1_88445_5957250	NC_021164.1	Ca_kabuli_chr05	5957250	GG	AA	1940322123
SNP_P1_88446_5963711	NC_021164.1	Ca_kabuli_chr05	5963711	TT	AA	1940322125
SNP_P1_88447_5969749	NC_021164.1	Ca_kabuli_chr05	5969749	TT	AA	1940322127
SNP_P1_88448_5969770	NC_021164.1	Ca_kabuli_chr05	5969770	AA	TT	1940322128
SNP_P1_88449_5969798	NC_021164.1	Ca_kabuli_chr05	5969798	TT	CC	1940322130
SNP_P1_88450_5969870	NC_021164.1	Ca_kabuli_chr05	5969870	AA	CC	1940322132
SNP_P1_88451_5969893	NC_021164.1	Ca_kabuli_chr05	5969893	AA	TT	1940322133
SNP_P1_88452_5969897	NC_021164.1	Ca_kabuli_chr05	5969897	AA	CC	1940322135
SNP_P1_88453_5969953	NC_021164.1	Ca_kabuli_chr05	5969953	AA	CC	1940322137
SNP_P1_88454_5969957	NC_021164.1	Ca_kabuli_chr05	5969957	AA	CC	1940322138
SNP_P1_88455_5969974	NC_021164.1	Ca_kabuli_chr05	5969974	GG	TT	1940322140
SNP_P1_88456_5969978	NC_021164.1	Ca_kabuli_chr05	5969978	GG	TT	1940322142
SNP_P1_88457_5970021	NC_021164.1	Ca_kabuli_chr05	5970021	AA	TT	1940322143
SNP_P1_88458_5970030	NC_021164.1	Ca_kabuli_chr05	5970030	AA	GG	1940322145
SNP_P1_88459_5970043	NC_021164.1	Ca_kabuli_chr05	5970043	AA	CC	1940322147
SNP_P1_88460_5970132	NC_021164.1	Ca_kabuli_chr05	5970132	TT	CC	1940322148
SNP_P1_88461_5970141	NC_021164.1	Ca_kabuli_chr05	5970141	AA	GG	1940322150
SNP_P1_88462_5970145	NC_021164.1	Ca_kabuli_chr05	5970145	GG	AA	1940322152
SNP_P1_88463_5970148	NC_021164.1	Ca_kabuli_chr05	5970148	AA	CC	1940322154
SNP_P1_88464_5970184	NC_021164.1	Ca_kabuli_chr05	5970184	CC	GG	1940322155
SNP_P1_88465_5970262	NC_021164.1	Ca_kabuli_chr05	5970262	CC	TT	1940322157
SNP_P1_88466_5970267	NC_021164.1	Ca_kabuli_chr05	5970267	CC	AA	1940322159
SNP_P1_88467_5970295	NC_021164.1	Ca_kabuli_chr05	5970295	TT	CC	1940322160
SNP_P1_88468_5970371	NC_021164.1	Ca_kabuli_chr05	5970371	GG	AA	1940322162

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_88469_5970420	NC_021164.1	Ca_kabuli_chr05	5970420	AA	GG	1940322164
SNP_P1_88470_5970626	NC_021164.1	Ca_kabuli_chr05	5970626	GG	CC	1940322165
SNP_P1_88471_5974943	NC_021164.1	Ca_kabuli_chr05	5974943	TT	AA	1940322167
SNP_P1_88472_5975265	NC_021164.1	Ca_kabuli_chr05	5975265	AA	TT	1940322169
SNP_P1_88473_5975388	NC_021164.1	Ca_kabuli_chr05	5975388	AA	TT	1940322170
SNP_P1_88474_5975398	NC_021164.1	Ca_kabuli_chr05	5975398	CC	TT	1940322172
SNP_P1_88476_5991325	NC_021164.1	Ca_kabuli_chr05	5991325	GG	TT	1940322174
SNP_P1_88477_5991344	NC_021164.1	Ca_kabuli_chr05	5991344	GG	AA	1940322175
SNP_P1_88478_5991485	NC_021164.1	Ca_kabuli_chr05	5991485	GG	AA	1940322177
SNP_P1_88479_5991840	NC_021164.1	Ca_kabuli_chr05	5991840	CC	TT	1940322179
SNP_P1_88480_5992086	NC_021164.1	Ca_kabuli_chr05	5992086	CC	AA	1940322180
SNP_P1_88481_5992648	NC_021164.1	Ca_kabuli_chr05	5992648	AA	GG	1940322182
SNP_P1_88482_5993886	NC_021164.1	Ca_kabuli_chr05	5993886	AA	GG	1940322184
SNP_P1_88483_5993887	NC_021164.1	Ca_kabuli_chr05	5993887	AA	TT	1940322186
SNP_P1_88484_5994227	NC_021164.1	Ca_kabuli_chr05	5994227	AA	CC	1940322187
SNP_P1_88485_5994806	NC_021164.1	Ca_kabuli_chr05	5994806	TT	AA	1940322189
SNP_P1_88486_5994944	NC_021164.1	Ca_kabuli_chr05	5994944	AA	CC	1940322191
SNP_P1_88487_6001404	NC_021164.1	Ca_kabuli_chr05	6001404	CC	GG	1940322192
SNP_P1_88488_6021011	NC_021164.1	Ca_kabuli_chr05	6021011	CC	TT	1940322194
SNP_P1_88489_6033288	NC_021164.1	Ca_kabuli_chr05	6033288	TT	CC	1940322196
SNP_P1_88490_6038893	NC_021164.1	Ca_kabuli_chr05	6038893	CC	TT	1940322197
SNP_P1_88491_6038906	NC_021164.1	Ca_kabuli_chr05	6038906	CC	AA	1940322199
SNP_P1_88492_6038947	NC_021164.1	Ca_kabuli_chr05	6038947	TT	GG	1940322201
SNP_P1_88493_6038952	NC_021164.1	Ca_kabuli_chr05	6038952	CC	TT	1940322202
SNP_P1_88494_6045066	NC_021164.1	Ca_kabuli_chr05	6045066	TT	GG	1940322204
SNP_P1_88495_6045589	NC_021164.1	Ca_kabuli_chr05	6045589	CC	TT	1940322206
SNP_P1_88496_6045852	NC_021164.1	Ca_kabuli_chr05	6045852	AA	GG	1940322207
SNP_P1_88497_6045875	NC_021164.1	Ca_kabuli_chr05	6045875	AA	GG	1940322209
SNP_P1_88498_6045913	NC_021164.1	Ca_kabuli_chr05	6045913	AA	CC	1940322211
SNP_P1_88499_6045918	NC_021164.1	Ca_kabuli_chr05	6045918	CC	AA	1940322212
SNP_P1_88500_6045923	NC_021164.1	Ca_kabuli_chr05	6045923	TT	CC	1940322214
SNP_P1_88501_6045944	NC_021164.1	Ca_kabuli_chr05	6045944	AA	GG	1940322216
SNP_P1_88502_6045958	NC_021164.1	Ca_kabuli_chr05	6045958	TT	CC	1940322217
SNP_P1_88503_6045972	NC_021164.1	Ca_kabuli_chr05	6045972	AA	CC	1940322219
SNP_P1_88504_6052829	NC_021164.1	Ca_kabuli_chr05	6052829	TT	CC	1940322221
SNP_P1_88505_6053362	NC_021164.1	Ca_kabuli_chr05	6053362	GG	TT	1940322223
SNP_P1_88506_6053381	NC_021164.1	Ca_kabuli_chr05	6053381	CC	TT	1940322224
SNP_P1_88507_6071936	NC_021164.1	Ca_kabuli_chr05	6071936	CC	GG	1940322226
SNP_P1_88508_6072964	NC_021164.1	Ca_kabuli_chr05	6072964	AA	CC	1940322228
SNP_P1_88509_6072965	NC_021164.1	Ca_kabuli_chr05	6072965	CC	AA	1940322229
SNP_P1_88511_6103627	NC_021164.1	Ca_kabuli_chr05	6103627	TT	AA	1940322231
SNP_P1_88512_6113421	NC_021164.1	Ca_kabuli_chr05	6113421	CC	AA	1940322233

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88514_6124971	NC_021164.1	Ca_kabuli_chr05	6124971	AA	CC	1940322236
SNP_P1_88515_6124984	NC_021164.1	Ca_kabuli_chr05	6124984	CC	TT	1940322238
SNP_P1_88516_6129595	NC_021164.1	Ca_kabuli_chr05	6129595	TT	CC	1940322239
SNP_P1_88517_6155161	NC_021164.1	Ca_kabuli_chr05	6155161	TT	GG	1940322241
SNP_P1_88518_6175012	NC_021164.1	Ca_kabuli_chr05	6175012	GG	AA	1940322243
SNP_P1_88519_6176447	NC_021164.1	Ca_kabuli_chr05	6176447	AA	GG	1940322244
SNP_P1_88521_6199871	NC_021164.1	Ca_kabuli_chr05	6199871	CC	TT	1940322246
SNP_P1_88522_6199936	NC_021164.1	Ca_kabuli_chr05	6199936	GG	AA	1940322248
SNP_P1_88523_6199938	NC_021164.1	Ca_kabuli_chr05	6199938	TT	CC	1940322250
SNP_P1_88524_6199946	NC_021164.1	Ca_kabuli_chr05	6199946	GG	TT	1940322251
SNP_P1_88525_6199954	NC_021164.1	Ca_kabuli_chr05	6199954	TT	AA	1940322253
SNP_P1_88526_6199975	NC_021164.1	Ca_kabuli_chr05	6199975	TT	CC	1940322255
SNP_P1_88527_6200078	NC_021164.1	Ca_kabuli_chr05	6200078	GG	TT	1940322256
SNP_P1_88529_6200128	NC_021164.1	Ca_kabuli_chr05	6200128	CC	TT	1940322258
SNP_P1_88530_6200225	NC_021164.1	Ca_kabuli_chr05	6200225	CC	TT	1940322260
SNP_P1_88532_6200270	NC_021164.1	Ca_kabuli_chr05	6200270	AA	GG	1940322261
SNP_P1_88533_6200347	NC_021164.1	Ca_kabuli_chr05	6200347	GG	TT	1940322263
SNP_P1_88534_6200375	NC_021164.1	Ca_kabuli_chr05	6200375	TT	GG	1940322265
SNP_P1_88535_6200425	NC_021164.1	Ca_kabuli_chr05	6200425	GG	AA	1940322266
SNP_P1_88536_6200468	NC_021164.1	Ca_kabuli_chr05	6200468	AA	GG	1940322268
SNP_P1_88537_6200526	NC_021164.1	Ca_kabuli_chr05	6200526	TT	AA	1940322270
SNP_P1_88538_6216542	NC_021164.1	Ca_kabuli_chr05	6216542	GG	AA	1940322271
SNP_P1_88539_6216545	NC_021164.1	Ca_kabuli_chr05	6216545	CC	TT	1940322273
SNP_P1_88541_6237101	NC_021164.1	Ca_kabuli_chr05	6237101	TT	GG	1940322275
SNP_P1_88542_6237171	NC_021164.1	Ca_kabuli_chr05	6237171	CC	TT	1940322276
SNP_P1_88543_6237181	NC_021164.1	Ca_kabuli_chr05	6237181	TT	CC	1940322278
SNP_P1_88544_6239343	NC_021164.1	Ca_kabuli_chr05	6239343	AA	GG	1940322280
SNP_P1_88545_6263717	NC_021164.1	Ca_kabuli_chr05	6263717	TT	CC	1940322281
SNP_P1_88546_6263756	NC_021164.1	Ca_kabuli_chr05	6263756	GG	AA	1940322283
SNP_P1_88547_6263884	NC_021164.1	Ca_kabuli_chr05	6263884	AA	GG	1940322285
SNP_P1_88548_6265548	NC_021164.1	Ca_kabuli_chr05	6265548	TT	AA	1940322287
SNP_P1_88549_6266666	NC_021164.1	Ca_kabuli_chr05	6266666	GG	AA	1940322288
SNP_P1_88551_6307578	NC_021164.1	Ca_kabuli_chr05	6307578	CC	TT	1940322290
SNP_P1_88552_6310483	NC_021164.1	Ca_kabuli_chr05	6310483	GG	CC	1940322292
SNP_P1_88553_6310498	NC_021164.1	Ca_kabuli_chr05	6310498	AA	GG	1940322293
SNP_P1_88554_6310740	NC_021164.1	Ca_kabuli_chr05	6310740	AA	CC	1940322295
SNP_P1_88555_6310951	NC_021164.1	Ca_kabuli_chr05	6310951	CC	TT	1940322297
SNP_P1_88556_6311053	NC_021164.1	Ca_kabuli_chr05	6311053	GG	AA	1940322298
SNP_P1_88557_6319998	NC_021164.1	Ca_kabuli_chr05	6319998	TT	CC	1940322300
SNP_P1_88558_6334797	NC_021164.1	Ca_kabuli_chr05	6334797	CC	AA	1940322302
SNP_P1_88559_6334801	NC_021164.1	Ca_kabuli_chr05	6334801	CC	AA	1940322303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88561_6348242	NC_021164.1	Ca_kabuli_chr05	6348242	AA	TT	1940322307
SNP_P1_88562_6348294	NC_021164.1	Ca_kabuli_chr05	6348294	CC	TT	1940322309
SNP_P1_88563_6348506	NC_021164.1	Ca_kabuli_chr05	6348506	CC	GG	1940322310
SNP_P1_88564_6348532	NC_021164.1	Ca_kabuli_chr05	6348532	AA	TT	1940322312
SNP_P1_88565_6349666	NC_021164.1	Ca_kabuli_chr05	6349666	GG	AA	1940322314
SNP_P1_88566_6356227	NC_021164.1	Ca_kabuli_chr05	6356227	CC	AA	1940322315
SNP_P1_88568_6369197	NC_021164.1	Ca_kabuli_chr05	6369197	TT	AA	1940322317
SNP_P1_88569_6369251	NC_021164.1	Ca_kabuli_chr05	6369251	GG	CC	1940322319
SNP_P1_88570_6369404	NC_021164.1	Ca_kabuli_chr05	6369404	GG	AA	1940322320
SNP_P1_88571_6369424	NC_021164.1	Ca_kabuli_chr05	6369424	TT	GG	1940322322
SNP_P1_88572_6369431	NC_021164.1	Ca_kabuli_chr05	6369431	TT	CC	1940322324
SNP_P1_88573_6369543	NC_021164.1	Ca_kabuli_chr05	6369543	AA	CC	1940322325
SNP_P1_88575_6369679	NC_021164.1	Ca_kabuli_chr05	6369679	CC	TT	1940322327
SNP_P1_88576_6369731	NC_021164.1	Ca_kabuli_chr05	6369731	GG	AA	1940322329
SNP_P1_88577_6369736	NC_021164.1	Ca_kabuli_chr05	6369736	CC	TT	1940322330
SNP_P1_88578_6369769	NC_021164.1	Ca_kabuli_chr05	6369769	GG	AA	1940322332
SNP_P1_88579_6369871	NC_021164.1	Ca_kabuli_chr05	6369871	CC	TT	1940322334
SNP_P1_88580_6369878	NC_021164.1	Ca_kabuli_chr05	6369878	CC	AA	1940322336
SNP_P1_88582_6416139	NC_021164.1	Ca_kabuli_chr05	6416139	GG	TT	1940322337
SNP_P1_88583_6416143	NC_021164.1	Ca_kabuli_chr05	6416143	TT	CC	1940322339
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SNP_P1_88585_6416155	NC_021164.1	Ca_kabuli_chr05	6416155	AA	TT	1940322342
SNP_P1_88586_6416182	NC_021164.1	Ca_kabuli_chr05	6416182	CC	TT	1940322344
SNP_P1_88587_6416194	NC_021164.1	Ca_kabuli_chr05	6416194	GG	AA	1940322346
SNP_P1_88588_6416355	NC_021164.1	Ca_kabuli_chr05	6416355	AA	CC	1940322347
SNP_P1_88590_6416666	NC_021164.1	Ca_kabuli_chr05	6416666	AA	GG	1940322349
SNP_P1_88591_6416673	NC_021164.1	Ca_kabuli_chr05	6416673	AA	GG	1940322351
SNP_P1_88592_6416698	NC_021164.1	Ca_kabuli_chr05	6416698	TT	CC	1940322352
SNP_P1_88593_6416755	NC_021164.1	Ca_kabuli_chr05	6416755	GG	AA	1940322354
SNP_P1_88594_6416761	NC_021164.1	Ca_kabuli_chr05	6416761	GG	AA	1940322356
SNP_P1_88595_6416769	NC_021164.1	Ca_kabuli_chr05	6416769	TT	CC	1940322357
SNP_P1_88596_6420544	NC_021164.1	Ca_kabuli_chr05	6420544	TT	CC	1940322359
SNP_P1_88597_6420821	NC_021164.1	Ca_kabuli_chr05	6420821	AA	CC	1940322361
SNP_P1_88598_6421036	NC_021164.1	Ca_kabuli_chr05	6421036	TT	AA	1940322363
SNP_P1_88599_6421051	NC_021164.1	Ca_kabuli_chr05	6421051	TT	CC	1940322364
SNP_P1_88600_6421484	NC_021164.1	Ca_kabuli_chr05	6421484	AA	CC	1940322366
SNP_P1_88601_6421534	NC_021164.1	Ca_kabuli_chr05	6421534	TT	CC	1940322368
SNP_P1_88602_6421573	NC_021164.1	Ca_kabuli_chr05	6421573	GG	AA	1940322369
SNP_P1_88603_6421747	NC_021164.1	Ca_kabuli_chr05	6421747	TT	CC	1940322371
SNP_P1_88604_6421773	NC_021164.1	Ca_kabuli_chr05	6421773	GG	AA	1940322373
SNP_P1_88605_6421867	NC_021164.1	Ca_kabuli_chr05	6421867	TT	GG	1940322374

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_88606_6421934	NC_021164.1	Ca_kabuli_chr05	6421934	GG	TT	1940322376
SNP_P1_88607_6421942	NC_021164.1	Ca_kabuli_chr05	6421942	CC	TT	1940322378
SNP_P1_88608_6427618	NC_021164.1	Ca_kabuli_chr05	6427618	CC	AA	1940322379
SNP_P1_88610_6441376	NC_021164.1	Ca_kabuli_chr05	6441376	CC	TT	1940322381
SNP_P1_88611_6441718	NC_021164.1	Ca_kabuli_chr05	6441718	TT	AA	1940322383
SNP_P1_88612_6441762	NC_021164.1	Ca_kabuli_chr05	6441762	GG	CC	1940322384
SNP_P1_88613_6441823	NC_021164.1	Ca_kabuli_chr05	6441823	GG	TT	1940322386
SNP_P1_88614_6442067	NC_021164.1	Ca_kabuli_chr05	6442067	AA	GG	1940322388
SNP_P1_88615_6442134	NC_021164.1	Ca_kabuli_chr05	6442134	GG	AA	1940322390
SNP_P1_88617_6456706	NC_021164.1	Ca_kabuli_chr05	6456706	AA	TT	1940322391
SNP_P1_88618_6474654	NC_021164.1	Ca_kabuli_chr05	6474654	GG	TT	1940322393
SNP_P1_88619_6474806	NC_021164.1	Ca_kabuli_chr05	6474806	TT	GG	1940322395
SNP_P1_88620_6474808	NC_021164.1	Ca_kabuli_chr05	6474808	TT	CC	1940322396
SNP_P1_88621_6478082	NC_021164.1	Ca_kabuli_chr05	6478082	TT	AA	1940322398
SNP_P1_88622_6478917	NC_021164.1	Ca_kabuli_chr05	6478917	TT	CC	1940322400
SNP_P1_88623_6490290	NC_021164.1	Ca_kabuli_chr05	6490290	GG	TT	1940322401
SNP_P1_88624_6494037	NC_021164.1	Ca_kabuli_chr05	6494037	TT	CC	1940322403
SNP_P1_88625_6494063	NC_021164.1	Ca_kabuli_chr05	6494063	AA	GG	1940322405
SNP_P1_88626_6494099	NC_021164.1	Ca_kabuli_chr05	6494099	GG	AA	1940322406
SNP_P1_88627_6494111	NC_021164.1	Ca_kabuli_chr05	6494111	TT	CC	1940322408
SNP_P1_88628_6494123	NC_021164.1	Ca_kabuli_chr05	6494123	AA	GG	1940322410
SNP_P1_88629_6494152	NC_021164.1	Ca_kabuli_chr05	6494152	TT	CC	1940322412
SNP_P1_88630_6494156	NC_021164.1	Ca_kabuli_chr05	6494156	TT	GG	1940322413
SNP_P1_88631_6494159	NC_021164.1	Ca_kabuli_chr05	6494159	TT	CC	1940322415
SNP_P1_88632_6494162	NC_021164.1	Ca_kabuli_chr05	6494162	TT	CC	1940322417
SNP_P1_88633_6494243	NC_021164.1	Ca_kabuli_chr05	6494243	AA	GG	1940322418
SNP_P1_88634_6494252	NC_021164.1	Ca_kabuli_chr05	6494252	CC	TT	1940322420
SNP_P1_88635_6494255	NC_021164.1	Ca_kabuli_chr05	6494255	AA	TT	1940322422
SNP_P1_88636_6494257	NC_021164.1	Ca_kabuli_chr05	6494257	GG	AA	1940322423
SNP_P1_88637_6494263	NC_021164.1	Ca_kabuli_chr05	6494263	AA	GG	1940322425
SNP_P1_88638_6494494	NC_021164.1	Ca_kabuli_chr05	6494494	TT	CC	1940322427
SNP_P1_88639_6494518	NC_021164.1	Ca_kabuli_chr05	6494518	CC	TT	1940322428
SNP_P1_88640_6494520	NC_021164.1	Ca_kabuli_chr05	6494520	AA	GG	1940322430
SNP_P1_88641_6497027	NC_021164.1	Ca_kabuli_chr05	6497027	GG	CC	1940322432
SNP_P1_88642_6497062	NC_021164.1	Ca_kabuli_chr05	6497062	GG	AA	1940322434
SNP_P1_88643_6497078	NC_021164.1	Ca_kabuli_chr05	6497078	CC	AA	1940322435
SNP_P1_88644_6497092	NC_021164.1	Ca_kabuli_chr05	6497092	AA	TT	1940322437
SNP_P1_88645_6502517	NC_021164.1	Ca_kabuli_chr05	6502517	CC	TT	1940322439
SNP_P1_88647_6512942	NC_021164.1	Ca_kabuli_chr05	6512942	GG	AA	1940322440
SNP_P1_88648_6524530	NC_021164.1	Ca_kabuli_chr05	6524530	CC	TT	1940322442
SNP_P1_88649_6528495	NC_021164.1	Ca_kabuli_chr05	6528495	TT	GG	1940322444
SNP_P1_88650_6530924	NC_021164.1	Ca_kabuli_chr05	6530924	TT	AA	1940322445

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_88651_6532183	NC_021164.1	Ca_kabuli_chr05	6532183	GG	AA	1940322447
SNP_P1_88653_6532709	NC_021164.1	Ca_kabuli_chr05	6532709	AA	TT	1940322449
SNP_P1_88654_6535226	NC_021164.1	Ca_kabuli_chr05	6535226	CC	TT	1940322450
SNP_P1_88655_6535261	NC_021164.1	Ca_kabuli_chr05	6535261	TT	CC	1940322452
SNP_P1_88656_6535285	NC_021164.1	Ca_kabuli_chr05	6535285	AA	CC	1940322454
SNP_P1_88657_6535322	NC_021164.1	Ca_kabuli_chr05	6535322	AA	GG	1940322456
SNP_P1_88658_6535340	NC_021164.1	Ca_kabuli_chr05	6535340	AA	TT	1940322457
SNP_P1_88659_6535346	NC_021164.1	Ca_kabuli_chr05	6535346	CC	TT	1940322459
SNP_P1_88660_6535353	NC_021164.1	Ca_kabuli_chr05	6535353	AA	GG	1940322461
SNP_P1_88661_6535385	NC_021164.1	Ca_kabuli_chr05	6535385	AA	CC	1940322462
SNP_P1_88662_6535391	NC_021164.1	Ca_kabuli_chr05	6535391	AA	GG	1940322464
SNP_P1_88663_6535439	NC_021164.1	Ca_kabuli_chr05	6535439	CC	TT	1940322466
SNP_P1_88665_6535594	NC_021164.1	Ca_kabuli_chr05	6535594	TT	CC	1940322467
SNP_P1_88666_6535747	NC_021164.1	Ca_kabuli_chr05	6535747	AA	CC	1940322469
SNP_P1_88667_6535765	NC_021164.1	Ca_kabuli_chr05	6535765	AA	TT	1940322471
SNP_P1_88668_6535771	NC_021164.1	Ca_kabuli_chr05	6535771	TT	CC	1940322472
SNP_P1_88669_6535780	NC_021164.1	Ca_kabuli_chr05	6535780	TT	AA	1940322474
SNP_P1_88670_6535835	NC_021164.1	Ca_kabuli_chr05	6535835	TT	CC	1940322476
SNP_P1_88671_6535837	NC_021164.1	Ca_kabuli_chr05	6535837	AA	GG	1940322478
SNP_P1_88672_6535843	NC_021164.1	Ca_kabuli_chr05	6535843	AA	GG	1940322479
SNP_P1_88673_6535919	NC_021164.1	Ca_kabuli_chr05	6535919	AA	GG	1940322481
SNP_P1_88674_6535932	NC_021164.1	Ca_kabuli_chr05	6535932	AA	GG	1940322483
SNP_P1_88675_6535935	NC_021164.1	Ca_kabuli_chr05	6535935	TT	CC	1940322484
SNP_P1_88676_6535960	NC_021164.1	Ca_kabuli_chr05	6535960	GG	AA	1940322486
SNP_P1_88677_6536020	NC_021164.1	Ca_kabuli_chr05	6536020	TT	CC	1940322488
SNP_P1_88678_6536037	NC_021164.1	Ca_kabuli_chr05	6536037	TT	CC	1940322489
SNP_P1_88679_6536133	NC_021164.1	Ca_kabuli_chr05	6536133	TT	AA	1940322491
SNP_P1_88680_6536195	NC_021164.1	Ca_kabuli_chr05	6536195	CC	TT	1940322493
SNP_P1_88681_6536202	NC_021164.1	Ca_kabuli_chr05	6536202	CC	GG	1940322494
SNP_P1_88682_6536207	NC_021164.1	Ca_kabuli_chr05	6536207	AA	CC	1940322496
SNP_P1_88683_6536233	NC_021164.1	Ca_kabuli_chr05	6536233	TT	CC	1940322498
SNP_P1_88684_6536234	NC_021164.1	Ca_kabuli_chr05	6536234	CC	GG	1940322499
SNP_P1_88685_6536238	NC_021164.1	Ca_kabuli_chr05	6536238	TT	CC	1940322501
SNP_P1_88686_6536258	NC_021164.1	Ca_kabuli_chr05	6536258	CC	AA	1940322503
SNP_P1_88687_6536265	NC_021164.1	Ca_kabuli_chr05	6536265	AA	GG	1940322505
SNP_P1_88688_6536303	NC_021164.1	Ca_kabuli_chr05	6536303	AA	CC	1940322506
SNP_P1_88689_6536372	NC_021164.1	Ca_kabuli_chr05	6536372	GG	AA	1940322508
SNP_P1_88690_6536423	NC_021164.1	Ca_kabuli_chr05	6536423	AA	GG	1940322510
SNP_P1_88691_6536595	NC_021164.1	Ca_kabuli_chr05	6536595	AA	TT	1940322511
SNP_P1_88692_6536597	NC_021164.1	Ca_kabuli_chr05	6536597	CC	TT	1940322513
SNP_P1_88693_6536693	NC_021164.1	Ca_kabuli_chr05	6536693	CC	TT	1940322515
SNP_P1_88694_6536750	NC_021164.1	Ca_kabuli_chr05	6536750	GG	AA	1940322516

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88697_6538793	NC_021164.1	Ca_kabuli_chr05	6538793	GG	AA	1940322521
SNP_P1_88698_6541341	NC_021164.1	Ca_kabuli_chr05	6541341	CC	TT	1940322523
SNP_P1_88699_6559155	NC_021164.1	Ca_kabuli_chr05	6559155	AA	CC	1940322525
SNP_P1_88701_6589374	NC_021164.1	Ca_kabuli_chr05	6589374	TT	AA	1940322526
SNP_P1_88702_6589483	NC_021164.1	Ca_kabuli_chr05	6589483	TT	CC	1940322528
SNP_P1_88703_6589641	NC_021164.1	Ca_kabuli_chr05	6589641	TT	AA	1940322530
SNP_P1_88704_6589954	NC_021164.1	Ca_kabuli_chr05	6589954	GG	AA	1940322532
SNP_P1_88705_6590015	NC_021164.1	Ca_kabuli_chr05	6590015	CC	AA	1940322533
SNP_P1_88706_6590144	NC_021164.1	Ca_kabuli_chr05	6590144	CC	AA	1940322535
SNP_P1_88707_6590167	NC_021164.1	Ca_kabuli_chr05	6590167	GG	AA	1940322537
SNP_P1_88708_6590220	NC_021164.1	Ca_kabuli_chr05	6590220	AA	GG	1940322538
SNP_P1_88709_6590284	NC_021164.1	Ca_kabuli_chr05	6590284	GG	CC	1940322540
SNP_P1_88710_6590310	NC_021164.1	Ca_kabuli_chr05	6590310	GG	CC	1940322542
SNP_P1_88711_6590329	NC_021164.1	Ca_kabuli_chr05	6590329	CC	AA	1940322543
SNP_P1_88712_6590415	NC_021164.1	Ca_kabuli_chr05	6590415	CC	AA	1940322545
SNP_P1_88713_6590548	NC_021164.1	Ca_kabuli_chr05	6590548	GG	CC	1940322547
SNP_P1_88714_6590755	NC_021164.1	Ca_kabuli_chr05	6590755	TT	AA	1940322548
SNP_P1_88715_6590821	NC_021164.1	Ca_kabuli_chr05	6590821	GG	AA	1940322550
SNP_P1_88716_6591050	NC_021164.1	Ca_kabuli_chr05	6591050	TT	GG	1940322552
SNP_P1_88717_6591087	NC_021164.1	Ca_kabuli_chr05	6591087	CC	TT	1940322553
SNP_P1_88718_6591493	NC_021164.1	Ca_kabuli_chr05	6591493	TT	CC	1940322555
SNP_P1_88719_6591590	NC_021164.1	Ca_kabuli_chr05	6591590	TT	GG	1940322557
SNP_P1_88720_6607382	NC_021164.1	Ca_kabuli_chr05	6607382	GG	TT	1940322559
SNP_P1_88721_6607386	NC_021164.1	Ca_kabuli_chr05	6607386	AA	CC	1940322560
SNP_P1_88722_6607387	NC_021164.1	Ca_kabuli_chr05	6607387	GG	AA	1940322562
SNP_P1_88723_6607388	NC_021164.1	Ca_kabuli_chr05	6607388	GG	AA	1940322564
SNP_P1_88724_6607467	NC_021164.1	Ca_kabuli_chr05	6607467	TT	AA	1940322565
SNP_P1_88725_6607714	NC_021164.1	Ca_kabuli_chr05	6607714	AA	TT	1940322567
SNP_P1_88726_6607971	NC_021164.1	Ca_kabuli_chr05	6607971	AA	CC	1940322569
SNP_P1_88727_6609715	NC_021164.1	Ca_kabuli_chr05	6609715	CC	GG	1940322570
SNP_P1_88728_6609993	NC_021164.1	Ca_kabuli_chr05	6609993	TT	CC	1940322572
SNP_P1_88729_6610002	NC_021164.1	Ca_kabuli_chr05	6610002	GG	AA	1940322574
SNP_P1_88730_6622819	NC_021164.1	Ca_kabuli_chr05	6622819	CC	TT	1940322575
SNP_P1_88731_6622820	NC_021164.1	Ca_kabuli_chr05	6622820	CC	AA	1940322577
SNP_P1_88732_6622833	NC_021164.1	Ca_kabuli_chr05	6622833	AA	CC	1940322579
SNP_P1_88733_6636942	NC_021164.1	Ca_kabuli_chr05	6636942	GG	CC	1940322580
SNP_P1_88734_6637056	NC_021164.1	Ca_kabuli_chr05	6637056	GG	AA	1940322582
SNP_P1_88735_6637303	NC_021164.1	Ca_kabuli_chr05	6637303	TT	CC	1940322584
SNP_P1_88736_6637370	NC_021164.1	Ca_kabuli_chr05	6637370	GG	TT	1940322585
SNP_P1_88737_6637540	NC_021164.1	Ca_kabuli_chr05	6637540	CC	AA	1940322587

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88741_6646741	NC_021164.1	Ca_kabuli_chr05	6646741	AA	CC	1940322592
SNP_P1_88742_6646887	NC_021164.1	Ca_kabuli_chr05	6646887	GG	AA	1940322594
SNP_P1_88743_6646910	NC_021164.1	Ca_kabuli_chr05	6646910	AA	TT	1940322596
SNP_P1_88744_6646921	NC_021164.1	Ca_kabuli_chr05	6646921	GG	TT	1940322597
SNP_P1_88745_6647033	NC_021164.1	Ca_kabuli_chr05	6647033	TT	GG	1940322599
SNP_P1_88747_6647237	NC_021164.1	Ca_kabuli_chr05	6647237	TT	GG	1940322601
SNP_P1_88748_6647311	NC_021164.1	Ca_kabuli_chr05	6647311	TT	GG	1940322602
SNP_P1_88749_6647661	NC_021164.1	Ca_kabuli_chr05	6647661	CC	TT	1940322604
SNP_P1_88750_6647844	NC_021164.1	Ca_kabuli_chr05	6647844	CC	TT	1940322606
SNP_P1_88751_6647860	NC_021164.1	Ca_kabuli_chr05	6647860	AA	TT	1940322607
SNP_P1_88752_6647861	NC_021164.1	Ca_kabuli_chr05	6647861	CC	TT	1940322609
SNP_P1_88753_6647890	NC_021164.1	Ca_kabuli_chr05	6647890	GG	CC	1940322611
SNP_P1_88754_6647918	NC_021164.1	Ca_kabuli_chr05	6647918	CC	TT	1940322613
SNP_P1_88755_6648795	NC_021164.1	Ca_kabuli_chr05	6648795	AA	TT	1940322614
SNP_P1_88757_6664876	NC_021164.1	Ca_kabuli_chr05	6664876	TT	AA	1940322616
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SNP_P1_88761_6674882	NC_021164.1	Ca_kabuli_chr05	6674882	GG	CC	1940322623
SNP_P1_88762_6674895	NC_021164.1	Ca_kabuli_chr05	6674895	GG	AA	1940322624
SNP_P1_88763_6674988	NC_021164.1	Ca_kabuli_chr05	6674988	CC	TT	1940322626
SNP_P1_88764_6675011	NC_021164.1	Ca_kabuli_chr05	6675011	CC	GG	1940322628
SNP_P1_88765_6675073	NC_021164.1	Ca_kabuli_chr05	6675073	AA	TT	1940322629
SNP_P1_88766_6675183	NC_021164.1	Ca_kabuli_chr05	6675183	AA	GG	1940322631
SNP_P1_88767_6675300	NC_021164.1	Ca_kabuli_chr05	6675300	CC	GG	1940322633
SNP_P1_88768_6675342	NC_021164.1	Ca_kabuli_chr05	6675342	GG	TT	1940322634
SNP_P1_88769_6684969	NC_021164.1	Ca_kabuli_chr05	6684969	CC	AA	1940322636
SNP_P1_88770_6685531	NC_021164.1	Ca_kabuli_chr05	6685531	AA	GG	1940322638
SNP_P1_88771_6698090	NC_021164.1	Ca_kabuli_chr05	6698090	AA	GG	1940322639
SNP_P1_88772_6714870	NC_021164.1	Ca_kabuli_chr05	6714870	CC	TT	1940322641
SNP_P1_88773_6715042	NC_021164.1	Ca_kabuli_chr05	6715042	AA	CC	1940322643
SNP_P1_88774_6719103	NC_021164.1	Ca_kabuli_chr05	6719103	TT	CC	1940322645
SNP_P1_88775_6720815	NC_021164.1	Ca_kabuli_chr05	6720815	CC	TT	1940322646
SNP_P1_88776_6723684	NC_021164.1	Ca_kabuli_chr05	6723684	CC	AA	1940322648
SNP_P1_88777_6723686	NC_021164.1	Ca_kabuli_chr05	6723686	TT	AA	1940322650
SNP_P1_88778_6723692	NC_021164.1	Ca_kabuli_chr05	6723692	CC	AA	1940322651
SNP_P1_88779_6723693	NC_021164.1	Ca_kabuli_chr05	6723693	TT	AA	1940322653
SNP_P1_88780_6723702	NC_021164.1	Ca_kabuli_chr05	6723702	GG	TT	1940322655
SNP_P1_88781_6723706	NC_021164.1	Ca_kabuli_chr05	6723706	TT	CC	1940322656
SNP_P1_88782_6723707	NC_021164.1	Ca_kabuli_chr05	6723707	TT	AA	1940322658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88785_6739607	NC_021164.1	Ca_kabuli_chr05	6739607	GG	AA	1940322661
SNP_P1_88786_6739672	NC_021164.1	Ca_kabuli_chr05	6739672	AA	GG	1940322663
SNP_P1_88787_6739681	NC_021164.1	Ca_kabuli_chr05	6739681	TT	CC	1940322665
SNP_P1_88788_6739719	NC_021164.1	Ca_kabuli_chr05	6739719	CC	TT	1940322666
SNP_P1_88789_6739736	NC_021164.1	Ca_kabuli_chr05	6739736	CC	TT	1940322668
SNP_P1_88790_6739788	NC_021164.1	Ca_kabuli_chr05	6739788	TT	AA	1940322670
SNP_P1_88791_6739808	NC_021164.1	Ca_kabuli_chr05	6739808	TT	GG	1940322671
SNP_P1_88792_6739814	NC_021164.1	Ca_kabuli_chr05	6739814	TT	AA	1940322673
SNP_P1_88793_6739921	NC_021164.1	Ca_kabuli_chr05	6739921	TT	CC	1940322675
SNP_P1_88794_6740034	NC_021164.1	Ca_kabuli_chr05	6740034	AA	GG	1940322676
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SNP_P1_88796_6740120	NC_021164.1	Ca_kabuli_chr05	6740120	GG	AA	1940322680
SNP_P1_88797_6740122	NC_021164.1	Ca_kabuli_chr05	6740122	TT	GG	1940322682
SNP_P1_88798_6740182	NC_021164.1	Ca_kabuli_chr05	6740182	AA	GG	1940322683
SNP_P1_88799_6749930	NC_021164.1	Ca_kabuli_chr05	6749930	GG	AA	1940322685
SNP_P1_88800_6753813	NC_021164.1	Ca_kabuli_chr05	6753813	TT	CC	1940322687
SNP_P1_88801_6753840	NC_021164.1	Ca_kabuli_chr05	6753840	CC	AA	1940322688
SNP_P1_88802_6753868	NC_021164.1	Ca_kabuli_chr05	6753868	GG	AA	1940322690
SNP_P1_88803_6753973	NC_021164.1	Ca_kabuli_chr05	6753973	CC	TT	1940322692
SNP_P1_88804_6754055	NC_021164.1	Ca_kabuli_chr05	6754055	TT	CC	1940322693
SNP_P1_88805_6754210	NC_021164.1	Ca_kabuli_chr05	6754210	AA	GG	1940322695
SNP_P1_88807_6761059	NC_021164.1	Ca_kabuli_chr05	6761059	CC	AA	1940322697
SNP_P1_88808_6763319	NC_021164.1	Ca_kabuli_chr05	6763319	TT	GG	1940322698
SNP_P1_88809_6763828	NC_021164.1	Ca_kabuli_chr05	6763828	TT	AA	1940322700
SNP_P1_88810_6763830	NC_021164.1	Ca_kabuli_chr05	6763830	CC	AA	1940322702
SNP_P1_88811_6763918	NC_021164.1	Ca_kabuli_chr05	6763918	AA	GG	1940322703
SNP_P1_88813_6764239	NC_021164.1	Ca_kabuli_chr05	6764239	CC	TT	1940322705
SNP_P1_88814_6764258	NC_021164.1	Ca_kabuli_chr05	6764258	TT	AA	1940322707
SNP_P1_88815_6764313	NC_021164.1	Ca_kabuli_chr05	6764313	CC	TT	1940322709
SNP_P1_88816_6764378	NC_021164.1	Ca_kabuli_chr05	6764378	TT	GG	1940322710
SNP_P1_88817_6764423	NC_021164.1	Ca_kabuli_chr05	6764423	CC	AA	1940322712
SNP_P1_88819_6765436	NC_021164.1	Ca_kabuli_chr05	6765436	AA	GG	1940322714
SNP_P1_88821_6769140	NC_021164.1	Ca_kabuli_chr05	6769140	GG	AA	1940322715
SNP_P1_88822_6769183	NC_021164.1	Ca_kabuli_chr05	6769183	GG	AA	1940322717
SNP_P1_88823_6769194	NC_021164.1	Ca_kabuli_chr05	6769194	TT	CC	1940322719
SNP_P1_88824_6771855	NC_021164.1	Ca_kabuli_chr05	6771855	CC	TT	1940322720
SNP_P1_88825_6771981	NC_021164.1	Ca_kabuli_chr05	6771981	TT	CC	1940322722
SNP_P1_88826_6772186	NC_021164.1	Ca_kabuli_chr05	6772186	AA	TT	1940322724
SNP_P1_88827_6772228	NC_021164.1	Ca_kabuli_chr05	6772228	TT	GG	1940322725
SNP_P1_88828_6772253	NC_021164.1	Ca_kabuli_chr05	6772253	AA	TT	1940322727
SNP_P1_88830_6772313	NC_021164.1	Ca_kabuli_chr05	6772313	TT	CC	1940322729

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88832_6772374	NC_021164.1	Ca_kabuli_chr05	6772374	TT	CC	1940322732
SNP_P1_88834_6772502	NC_021164.1	Ca_kabuli_chr05	6772502	AA	CC	1940322734
SNP_P1_88835_6772506	NC_021164.1	Ca_kabuli_chr05	6772506	CC	GG	1940322736
SNP_P1_88836_6772577	NC_021164.1	Ca_kabuli_chr05	6772577	CC	GG	1940322737
SNP_P1_88837_6772781	NC_021164.1	Ca_kabuli_chr05	6772781	TT	CC	1940322739
SNP_P1_88838_6772856	NC_021164.1	Ca_kabuli_chr05	6772856	GG	AA	1940322741
SNP_P1_88839_6772898	NC_021164.1	Ca_kabuli_chr05	6772898	CC	TT	1940322742
SNP_P1_88840_6772974	NC_021164.1	Ca_kabuli_chr05	6772974	GG	AA	1940322744
SNP_P1_88841_6772983	NC_021164.1	Ca_kabuli_chr05	6772983	TT	CC	1940322746
SNP_P1_88842_6773134	NC_021164.1	Ca_kabuli_chr05	6773134	AA	GG	1940322747
SNP_P1_88843_6773245	NC_021164.1	Ca_kabuli_chr05	6773245	GG	TT	1940322749
SNP_P1_88844_6773348	NC_021164.1	Ca_kabuli_chr05	6773348	TT	AA	1940322751
SNP_P1_88846_6773405	NC_021164.1	Ca_kabuli_chr05	6773405	GG	TT	1940322752
SNP_P1_88847_6773487	NC_021164.1	Ca_kabuli_chr05	6773487	AA	GG	1940322754
SNP_P1_88849_6791996	NC_021164.1	Ca_kabuli_chr05	6791996	TT	GG	1940322756
SNP_P1_88850_6810028	NC_021164.1	Ca_kabuli_chr05	6810028	AA	TT	1940322757
SNP_P1_88851_6817791	NC_021164.1	Ca_kabuli_chr05	6817791	AA	TT	1940322759
SNP_P1_88852_6825812	NC_021164.1	Ca_kabuli_chr05	6825812	AA	TT	1940322761
SNP_P1_88853_6825835	NC_021164.1	Ca_kabuli_chr05	6825835	CC	TT	1940322762
SNP_P1_88854_6825838	NC_021164.1	Ca_kabuli_chr05	6825838	AA	TT	1940322764
SNP_P1_88855_6825842	NC_021164.1	Ca_kabuli_chr05	6825842	TT	AA	1940322766
SNP_P1_88856_6826368	NC_021164.1	Ca_kabuli_chr05	6826368	CC	TT	1940322768
SNP_P1_88857_6830190	NC_021164.1	Ca_kabuli_chr05	6830190	GG	AA	1940322769
SNP_P1_88858_6830206	NC_021164.1	Ca_kabuli_chr05	6830206	CC	GG	1940322771
SNP_P1_88859_6830293	NC_021164.1	Ca_kabuli_chr05	6830293	TT	GG	1940322773
SNP_P1_88860_6830429	NC_021164.1	Ca_kabuli_chr05	6830429	TT	GG	1940322774
SNP_P1_88861_6830446	NC_021164.1	Ca_kabuli_chr05	6830446	CC	TT	1940322776
SNP_P1_88862_6830578	NC_021164.1	Ca_kabuli_chr05	6830578	CC	TT	1940322778
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SNP_P1_88864_6830679	NC_021164.1	Ca_kabuli_chr05	6830679	CC	TT	1940322781
SNP_P1_88865_6830797	NC_021164.1	Ca_kabuli_chr05	6830797	AA	GG	1940322783
SNP_P1_88866_6830875	NC_021164.1	Ca_kabuli_chr05	6830875	TT	GG	1940322784
SNP_P1_88867_6830893	NC_021164.1	Ca_kabuli_chr05	6830893	AA	GG	1940322786
SNP_P1_88868_6830920	NC_021164.1	Ca_kabuli_chr05	6830920	AA	GG	1940322788
SNP_P1_88869_6830930	NC_021164.1	Ca_kabuli_chr05	6830930	CC	AA	1940322789
SNP_P1_88870_6830933	NC_021164.1	Ca_kabuli_chr05	6830933	CC	TT	1940322791
SNP_P1_88871_6830948	NC_021164.1	Ca_kabuli_chr05	6830948	AA	GG	1940322793
SNP_P1_88872_6831383	NC_021164.1	Ca_kabuli_chr05	6831383	AA	GG	1940322794
SNP_P1_88873_6831456	NC_021164.1	Ca_kabuli_chr05	6831456	AA	GG	1940322796
SNP_P1_88874_6831507	NC_021164.1	Ca_kabuli_chr05	6831507	GG	AA	1940322798
SNP_P1_88875_6831715	NC_021164.1	Ca_kabuli_chr05	6831715	AA	GG	1940322800

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88877_6832855	NC_021164.1	Ca_kabuli_chr05	6832855	CC	TT	1940322803
SNP_P1_88878_6832958	NC_021164.1	Ca_kabuli_chr05	6832958	GG	AA	1940322805
SNP_P1_88879_6832968	NC_021164.1	Ca_kabuli_chr05	6832968	TT	AA	1940322806
SNP_P1_88880_6832972	NC_021164.1	Ca_kabuli_chr05	6832972	TT	GG	1940322808
SNP_P1_88882_6833259	NC_021164.1	Ca_kabuli_chr05	6833259	AA	CC	1940322810
SNP_P1_88883_6833658	NC_021164.1	Ca_kabuli_chr05	6833658	TT	AA	1940322811
SNP_P1_88885_6833713	NC_021164.1	Ca_kabuli_chr05	6833713	GG	CC	1940322813
SNP_P1_88886_6833769	NC_021164.1	Ca_kabuli_chr05	6833769	CC	TT	1940322815
SNP_P1_88888_6833877	NC_021164.1	Ca_kabuli_chr05	6833877	GG	AA	1940322816
SNP_P1_88891_6834034	NC_021164.1	Ca_kabuli_chr05	6834034	AA	TT	1940322818
SNP_P1_88892_6834037	NC_021164.1	Ca_kabuli_chr05	6834037	AA	TT	1940322820
SNP_P1_88894_6834233	NC_021164.1	Ca_kabuli_chr05	6834233	TT	CC	1940322821
SNP_P1_88896_6834319	NC_021164.1	Ca_kabuli_chr05	6834319	AA	TT	1940322823
SNP_P1_88897_6834384	NC_021164.1	Ca_kabuli_chr05	6834384	CC	AA	1940322825
SNP_P1_88898_6834393	NC_021164.1	Ca_kabuli_chr05	6834393	TT	GG	1940322826
SNP_P1_88899_6834492	NC_021164.1	Ca_kabuli_chr05	6834492	TT	CC	1940322828
SNP_P1_88900_6834577	NC_021164.1	Ca_kabuli_chr05	6834577	GG	AA	1940322830
SNP_P1_88901_6834613	NC_021164.1	Ca_kabuli_chr05	6834613	AA	TT	1940322831
SNP_P1_88902_6834614	NC_021164.1	Ca_kabuli_chr05	6834614	CC	TT	1940322833
SNP_P1_88903_6834624	NC_021164.1	Ca_kabuli_chr05	6834624	GG	TT	1940322835
SNP_P1_88904_6834675	NC_021164.1	Ca_kabuli_chr05	6834675	AA	CC	1940322836
SNP_P1_88905_6834690	NC_021164.1	Ca_kabuli_chr05	6834690	TT	CC	1940322838
SNP_P1_88906_6834698	NC_021164.1	Ca_kabuli_chr05	6834698	AA	CC	1940322840
SNP_P1_88908_6834755	NC_021164.1	Ca_kabuli_chr05	6834755	AA	TT	1940322842
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SNP_P1_88910_6834835	NC_021164.1	Ca_kabuli_chr05	6834835	TT	AA	1940322845
SNP_P1_88913_6835015	NC_021164.1	Ca_kabuli_chr05	6835015	TT	GG	1940322847
SNP_P1_88914_6835152	NC_021164.1	Ca_kabuli_chr05	6835152	GG	TT	1940322848
SNP_P1_88915_6835200	NC_021164.1	Ca_kabuli_chr05	6835200	TT	CC	1940322850
SNP_P1_88916_6835399	NC_021164.1	Ca_kabuli_chr05	6835399	AA	TT	1940322852
SNP_P1_88917_6835547	NC_021164.1	Ca_kabuli_chr05	6835547	CC	AA	1940322853
SNP_P1_88918_6835690	NC_021164.1	Ca_kabuli_chr05	6835690	TT	AA	1940322855
SNP_P1_88919_6835695	NC_021164.1	Ca_kabuli_chr05	6835695	TT	GG	1940322857
SNP_P1_88920_6835750	NC_021164.1	Ca_kabuli_chr05	6835750	GG	AA	1940322858
SNP_P1_88921_6835751	NC_021164.1	Ca_kabuli_chr05	6835751	TT	CC	1940322860
SNP_P1_88922_6835784	NC_021164.1	Ca_kabuli_chr05	6835784	GG	AA	1940322862
SNP_P1_88923_6835863	NC_021164.1	Ca_kabuli_chr05	6835863	TT	CC	1940322863
SNP_P1_88924_6836020	NC_021164.1	Ca_kabuli_chr05	6836020	CC	TT	1940322865
SNP_P1_88925_6836059	NC_021164.1	Ca_kabuli_chr05	6836059	TT	CC	1940322867
SNP_P1_88926_6836141	NC_021164.1	Ca_kabuli_chr05	6836141	AA	GG	1940322868
SNP_P1_88927_6836160	NC_021164.1	Ca_kabuli_chr05	6836160	TT	CC	1940322870

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88929_6836350	NC_021164.1	Ca_kabuli_chr05	6836350	AA	TT	1940322873
SNP_P1_88930_6836450	NC_021164.1	Ca_kabuli_chr05	6836450	CC	GG	1940322875
SNP_P1_88931_6836513	NC_021164.1	Ca_kabuli_chr05	6836513	CC	TT	1940322877
SNP_P1_88932_6836567	NC_021164.1	Ca_kabuli_chr05	6836567	CC	TT	1940322878
SNP_P1_88933_6836571	NC_021164.1	Ca_kabuli_chr05	6836571	AA	CC	1940322880
SNP_P1_88934_6836615	NC_021164.1	Ca_kabuli_chr05	6836615	AA	GG	1940322882
SNP_P1_88935_6836626	NC_021164.1	Ca_kabuli_chr05	6836626	AA	GG	1940322883
SNP_P1_88936_6837180	NC_021164.1	Ca_kabuli_chr05	6837180	TT	CC	1940322885
SNP_P1_88937_6837235	NC_021164.1	Ca_kabuli_chr05	6837235	GG	AA	1940322887
SNP_P1_88938_6837326	NC_021164.1	Ca_kabuli_chr05	6837326	TT	CC	1940322889
SNP_P1_88939_6837352	NC_021164.1	Ca_kabuli_chr05	6837352	AA	CC	1940322890
SNP_P1_88940_6837385	NC_021164.1	Ca_kabuli_chr05	6837385	CC	TT	1940322892
SNP_P1_88941_6837425	NC_021164.1	Ca_kabuli_chr05	6837425	AA	GG	1940322894
SNP_P1_88942_6837767	NC_021164.1	Ca_kabuli_chr05	6837767	CC	GG	1940322895
SNP_P1_88943_6837905	NC_021164.1	Ca_kabuli_chr05	6837905	GG	AA	1940322897
SNP_P1_88944_6837956	NC_021164.1	Ca_kabuli_chr05	6837956	AA	GG	1940322899
SNP_P1_88946_6838027	NC_021164.1	Ca_kabuli_chr05	6838027	AA	GG	1940322900
SNP_P1_88947_6838074	NC_021164.1	Ca_kabuli_chr05	6838074	GG	AA	1940322902
SNP_P1_88948_6848216	NC_021164.1	Ca_kabuli_chr05	6848216	GG	AA	1940322904
SNP_P1_88949_6849305	NC_021164.1	Ca_kabuli_chr05	6849305	CC	TT	1940322905
SNP_P1_88950_6850056	NC_021164.1	Ca_kabuli_chr05	6850056	GG	AA	1940322907
SNP_P1_88951_6850068	NC_021164.1	Ca_kabuli_chr05	6850068	TT	GG	1940322909
SNP_P1_88952_6850082	NC_021164.1	Ca_kabuli_chr05	6850082	AA	GG	1940322910
SNP_P1_88953_6872226	NC_021164.1	Ca_kabuli_chr05	6872226	GG	CC	1940322912
SNP_P1_88954_6872262	NC_021164.1	Ca_kabuli_chr05	6872262	CC	TT	1940322914
SNP_P1_88955_6872417	NC_021164.1	Ca_kabuli_chr05	6872417	GG	AA	1940322915
SNP_P1_88956_6872508	NC_021164.1	Ca_kabuli_chr05	6872508	CC	TT	1940322917
SNP_P1_88958_6875422	NC_021164.1	Ca_kabuli_chr05	6875422	GG	TT	1940322919
SNP_P1_88959_6875426	NC_021164.1	Ca_kabuli_chr05	6875426	AA	GG	1940322920
SNP_P1_88960_6875604	NC_021164.1	Ca_kabuli_chr05	6875604	AA	TT	1940322922
SNP_P1_88961_6896735	NC_021164.1	Ca_kabuli_chr05	6896735	GG	AA	1940322924
SNP_P1_88962_6897083	NC_021164.1	Ca_kabuli_chr05	6897083	TT	GG	1940322926
SNP_P1_88963_6897825	NC_021164.1	Ca_kabuli_chr05	6897825	TT	GG	1940322927
SNP_P1_88964_6897939	NC_021164.1	Ca_kabuli_chr05	6897939	AA	TT	1940322929
SNP_P1_88965_6897958	NC_021164.1	Ca_kabuli_chr05	6897958	GG	AA	1940322931
SNP_P1_88966_6901712	NC_021164.1	Ca_kabuli_chr05	6901712	CC	TT	1940322932
SNP_P1_88967_6906431	NC_021164.1	Ca_kabuli_chr05	6906431	AA	GG	1940322934
SNP_P1_88968_6906454	NC_021164.1	Ca_kabuli_chr05	6906454	GG	AA	1940322936
SNP_P1_88969_6906629	NC_021164.1	Ca_kabuli_chr05	6906629	CC	TT	1940322937
SNP_P1_88970_6906636	NC_021164.1	Ca_kabuli_chr05	6906636	AA	GG	1940322939
SNP_P1_88971_6906665	NC_021164.1	Ca_kabuli_chr05	6906665	CC	AA	1940322941

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_88973_6906930	NC_021164.1	Ca_kabuli_chr05	6906930	GG	TT	1940322944
SNP_P1_88974_6907109	NC_021164.1	Ca_kabuli_chr05	6907109	CC	TT	1940322946
SNP_P1_88975_6907236	NC_021164.1	Ca_kabuli_chr05	6907236	GG	AA	1940322947
SNP_P1_88976_6907237	NC_021164.1	Ca_kabuli_chr05	6907237	TT	AA	1940322949
SNP_P1_88977_6907238	NC_021164.1	Ca_kabuli_chr05	6907238	TT	AA	1940322951
SNP_P1_88978_6907329	NC_021164.1	Ca_kabuli_chr05	6907329	TT	CC	1940322952
SNP_P1_88979_6907335	NC_021164.1	Ca_kabuli_chr05	6907335	AA	GG	1940322954
SNP_P1_88980_6907399	NC_021164.1	Ca_kabuli_chr05	6907399	GG	TT	1940322956
SNP_P1_88981_6907403	NC_021164.1	Ca_kabuli_chr05	6907403	CC	TT	1940322958
SNP_P1_88982_6907407	NC_021164.1	Ca_kabuli_chr05	6907407	AA	CC	1940322959
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SNP_P1_88984_6907474	NC_021164.1	Ca_kabuli_chr05	6907474	TT	CC	1940322963
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SNP_P1_88986_6907546	NC_021164.1	Ca_kabuli_chr05	6907546	AA	GG	1940322966
SNP_P1_88988_6907661	NC_021164.1	Ca_kabuli_chr05	6907661	CC	TT	1940322968
SNP_P1_88989_6907712	NC_021164.1	Ca_kabuli_chr05	6907712	GG	CC	1940322969
SNP_P1_88990_6907713	NC_021164.1	Ca_kabuli_chr05	6907713	AA	GG	1940322971
SNP_P1_88991_6907720	NC_021164.1	Ca_kabuli_chr05	6907720	GG	AA	1940322973
SNP_P1_88992_6907781	NC_021164.1	Ca_kabuli_chr05	6907781	AA	GG	1940322974
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SNP_P1_88996_6908242	NC_021164.1	Ca_kabuli_chr05	6908242	AA	GG	1940322978
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SNP_P1_89005_6909912	NC_021164.1	Ca_kabuli_chr05	6909912	CC	TT	1940322989
SNP_P1_89006_6909931	NC_021164.1	Ca_kabuli_chr05	6909931	TT	GG	1940322991
SNP_P1_89008_6909995	NC_021164.1	Ca_kabuli_chr05	6909995	AA	GG	1940322993
SNP_P1_89009_6910357	NC_021164.1	Ca_kabuli_chr05	6910357	CC	AA	1940322994
SNP_P1_89011_6911796	NC_021164.1	Ca_kabuli_chr05	6911796	CC	GG	1940322996
SNP_P1_89012_6911850	NC_021164.1	Ca_kabuli_chr05	6911850	CC	GG	1940322998
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SNP_P1_89014_6912639	NC_021164.1	Ca_kabuli_chr05	6912639	AA	GG	1940323001
SNP_P1_89015_6912653	NC_021164.1	Ca_kabuli_chr05	6912653	CC	TT	1940323003
SNP_P1_89016_6912669	NC_021164.1	Ca_kabuli_chr05	6912669	AA	TT	1940323005
SNP_P1_89017_6913570	NC_021164.1	Ca_kabuli_chr05	6913570	CC	TT	1940323006
SNP_P1_89018_6913609	NC_021164.1	Ca_kabuli_chr05	6913609	AA	GG	1940323008
SNP_P1_89019_6913632	NC_021164.1	Ca_kabuli_chr05	6913632	CC	AA	1940323010
SNP_P1_89020_6913635	NC_021164.1	Ca_kabuli_chr05	6913635	CC	GG	1940323011

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89023_6913853	NC_021164.1	Ca_kabuli_chr05	6913853	CC	TT	1940323016
SNP_P1_89024_6913861	NC_021164.1	Ca_kabuli_chr05	6913861	TT	GG	1940323018
SNP_P1_89025_6913931	NC_021164.1	Ca_kabuli_chr05	6913931	CC	TT	1940323020
SNP_P1_89026_6914049	NC_021164.1	Ca_kabuli_chr05	6914049	CC	TT	1940323021
SNP_P1_89027_6914052	NC_021164.1	Ca_kabuli_chr05	6914052	AA	GG	1940323023
SNP_P1_89028_6914094	NC_021164.1	Ca_kabuli_chr05	6914094	GG	AA	1940323025
SNP_P1_89029_6914266	NC_021164.1	Ca_kabuli_chr05	6914266	AA	TT	1940323027
SNP_P1_89030_6914267	NC_021164.1	Ca_kabuli_chr05	6914267	CC	TT	1940323028
SNP_P1_89031_6914272	NC_021164.1	Ca_kabuli_chr05	6914272	CC	TT	1940323030
SNP_P1_89032_6914631	NC_021164.1	Ca_kabuli_chr05	6914631	GG	TT	1940323032
SNP_P1_89033_6914729	NC_021164.1	Ca_kabuli_chr05	6914729	AA	GG	1940323033
SNP_P1_89034_6914776	NC_021164.1	Ca_kabuli_chr05	6914776	CC	AA	1940323035
SNP_P1_89035_6914793	NC_021164.1	Ca_kabuli_chr05	6914793	CC	TT	1940323037
SNP_P1_89036_6914913	NC_021164.1	Ca_kabuli_chr05	6914913	CC	TT	1940323038
SNP_P1_89037_6914934	NC_021164.1	Ca_kabuli_chr05	6914934	GG	TT	1940323040
SNP_P1_89038_6915081	NC_021164.1	Ca_kabuli_chr05	6915081	CC	TT	1940323042
SNP_P1_89039_6915088	NC_021164.1	Ca_kabuli_chr05	6915088	GG	AA	1940323043
SNP_P1_89040_6915112	NC_021164.1	Ca_kabuli_chr05	6915112	GG	AA	1940323045
SNP_P1_89041_6915173	NC_021164.1	Ca_kabuli_chr05	6915173	TT	GG	1940323047
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SNP_P1_89044_6915187	NC_021164.1	Ca_kabuli_chr05	6915187	TT	AA	1940323052
SNP_P1_89045_6915191	NC_021164.1	Ca_kabuli_chr05	6915191	TT	CC	1940323054
SNP_P1_89046_6915211	NC_021164.1	Ca_kabuli_chr05	6915211	GG	AA	1940323055
SNP_P1_89047_6920708	NC_021164.1	Ca_kabuli_chr05	6920708	TT	GG	1940323057
SNP_P1_89048_6940550	NC_021164.1	Ca_kabuli_chr05	6940550	AA	TT	1940323059
SNP_P1_89051_6980390	NC_021164.1	Ca_kabuli_chr05	6980390	GG	AA	1940323060
SNP_P1_89053_6987107	NC_021164.1	Ca_kabuli_chr05	6987107	GG	TT	1940323062
SNP_P1_89054_6999917	NC_021164.1	Ca_kabuli_chr05	6999917	CC	GG	1940323064
SNP_P1_89055_7002040	NC_021164.1	Ca_kabuli_chr05	7002040	AA	GG	1940323065
SNP_P1_89056_7003273	NC_021164.1	Ca_kabuli_chr05	7003273	TT	CC	1940323067
SNP_P1_89057_7003625	NC_021164.1	Ca_kabuli_chr05	7003625	TT	AA	1940323069
SNP_P1_89058_7003627	NC_021164.1	Ca_kabuli_chr05	7003627	AA	TT	1940323070
SNP_P1_89059_7003628	NC_021164.1	Ca_kabuli_chr05	7003628	AA	TT	1940323072
SNP_P1_89060_7003866	NC_021164.1	Ca_kabuli_chr05	7003866	AA	CC	1940323074
SNP_P1_89061_7003872	NC_021164.1	Ca_kabuli_chr05	7003872	TT	CC	1940323075
SNP_P1_89062_7003916	NC_021164.1	Ca_kabuli_chr05	7003916	GG	AA	1940323077
SNP_P1_89063_7019184	NC_021164.1	Ca_kabuli_chr05	7019184	TT	AA	1940323079
SNP_P1_89064_7019185	NC_021164.1	Ca_kabuli_chr05	7019185	AA	TT	1940323080
SNP_P1_89066_7021637	NC_021164.1	Ca_kabuli_chr05	7021637	AA	GG	1940323082

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_89067_7023350	NC_021164.1	Ca_kabuli_chr05	7023350	GG	AA	1940323084
SNP_P1_89068_7023908	NC_021164.1	Ca_kabuli_chr05	7023908	AA	GG	1940323085
SNP_P1_89069_7035822	NC_021164.1	Ca_kabuli_chr05	7035822	CC	GG	1940323087
SNP_P1_89070_7037494	NC_021164.1	Ca_kabuli_chr05	7037494	TT	AA	1940323089
SNP_P1_89071_7037505	NC_021164.1	Ca_kabuli_chr05	7037505	AA	GG	1940323091
SNP_P1_89072_7045364	NC_021164.1	Ca_kabuli_chr05	7045364	GG	AA	1940323092
SNP_P1_89073_7055510	NC_021164.1	Ca_kabuli_chr05	7055510	TT	AA	1940323094
SNP_P1_89074_7092556	NC_021164.1	Ca_kabuli_chr05	7092556	TT	CC	1940323096
SNP_P1_89075_7092589	NC_021164.1	Ca_kabuli_chr05	7092589	AA	GG	1940323097
SNP_P1_89076_7092612	NC_021164.1	Ca_kabuli_chr05	7092612	TT	CC	1940323099
SNP_P1_89077_7092625	NC_021164.1	Ca_kabuli_chr05	7092625	GG	AA	1940323101
SNP_P1_89078_7092636	NC_021164.1	Ca_kabuli_chr05	7092636	AA	TT	1940323102
SNP_P1_89079_7092763	NC_021164.1	Ca_kabuli_chr05	7092763	TT	CC	1940323104
SNP_P1_89080_7092771	NC_021164.1	Ca_kabuli_chr05	7092771	CC	AA	1940323106
SNP_P1_89081_7092866	NC_021164.1	Ca_kabuli_chr05	7092866	TT	CC	1940323107
SNP_P1_89082_7092870	NC_021164.1	Ca_kabuli_chr05	7092870	AA	GG	1940323109
SNP_P1_89083_7093060	NC_021164.1	Ca_kabuli_chr05	7093060	TT	CC	1940323111
SNP_P1_89084_7093141	NC_021164.1	Ca_kabuli_chr05	7093141	GG	AA	1940323112
SNP_P1_89085_7093148	NC_021164.1	Ca_kabuli_chr05	7093148	TT	CC	1940323114
SNP_P1_89086_7093168	NC_021164.1	Ca_kabuli_chr05	7093168	TT	CC	1940323116
SNP_P1_89087_7102951	NC_021164.1	Ca_kabuli_chr05	7102951	TT	AA	1940323117
SNP_P1_89088_7103654	NC_021164.1	Ca_kabuli_chr05	7103654	AA	TT	1940323119
SNP_P1_89089_7103693	NC_021164.1	Ca_kabuli_chr05	7103693	TT	AA	1940323121
SNP_P1_89090_7103702	NC_021164.1	Ca_kabuli_chr05	7103702	AA	TT	1940323122
SNP_P1_89091_7103979	NC_021164.1	Ca_kabuli_chr05	7103979	AA	GG	1940323124
SNP_P1_89093_7104069	NC_021164.1	Ca_kabuli_chr05	7104069	GG	CC	1940323126
SNP_P1_89094_7107072	NC_021164.1	Ca_kabuli_chr05	7107072	CC	GG	1940323128
SNP_P1_89095_7107075	NC_021164.1	Ca_kabuli_chr05	7107075	AA	GG	1940323129
SNP_P1_89096_7107124	NC_021164.1	Ca_kabuli_chr05	7107124	CC	TT	1940323131
SNP_P1_89097_7107342	NC_021164.1	Ca_kabuli_chr05	7107342	AA	CC	1940323133
SNP_P1_89098_7113366	NC_021164.1	Ca_kabuli_chr05	7113366	CC	TT	1940323134
SNP_P1_89099_7113378	NC_021164.1	Ca_kabuli_chr05	7113378	CC	TT	1940323136
SNP_P1_89100_7118877	NC_021164.1	Ca_kabuli_chr05	7118877	CC	TT	1940323138
SNP_P1_89101_7120141	NC_021164.1	Ca_kabuli_chr05	7120141	CC	TT	1940323139
SNP_P1_89102_7123642	NC_021164.1	Ca_kabuli_chr05	7123642	AA	GG	1940323141
SNP_P1_89103_7124060	NC_021164.1	Ca_kabuli_chr05	7124060	TT	AA	1940323143
SNP_P1_89104_7124064	NC_021164.1	Ca_kabuli_chr05	7124064	GG	CC	1940323144
SNP_P1_89105_7125218	NC_021164.1	Ca_kabuli_chr05	7125218	GG	TT	1940323146
SNP_P1_89106_7125227	NC_021164.1	Ca_kabuli_chr05	7125227	AA	CC	1940323148
SNP_P1_89107_7125229	NC_021164.1	Ca_kabuli_chr05	7125229	GG	AA	1940323149
SNP_P1_89108_7125260	NC_021164.1	Ca_kabuli_chr05	7125260	GG	AA	1940323151
SNP_P1_89109_7125503	NC_021164.1	Ca_kabuli_chr05	7125503	TT	CC	1940323153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89111_7173160	NC_021164.1	Ca_kabuli_chr05	7173160	CC	TT	1940323156
SNP_P1_89112_7175000	NC_021164.1	Ca_kabuli_chr05	7175000	CC	TT	1940323158
SNP_P1_89113_7175024	NC_021164.1	Ca_kabuli_chr05	7175024	AA	GG	1940323160
SNP_P1_89114_7193494	NC_021164.1	Ca_kabuli_chr05	7193494	CC	TT	1940323161
SNP_P1_89115_7202843	NC_021164.1	Ca_kabuli_chr05	7202843	GG	AA	1940323163
SNP_P1_89116_7221850	NC_021164.1	Ca_kabuli_chr05	7221850	AA	CC	1940323165
SNP_P1_89117_7225286	NC_021164.1	Ca_kabuli_chr05	7225286	AA	GG	1940323166
SNP_P1_89118_7226862	NC_021164.1	Ca_kabuli_chr05	7226862	GG	TT	1940323168
SNP_P1_89119_7226874	NC_021164.1	Ca_kabuli_chr05	7226874	CC	AA	1940323170
SNP_P1_89120_7226893	NC_021164.1	Ca_kabuli_chr05	7226893	AA	GG	1940323171
SNP_P1_89121_7227493	NC_021164.1	Ca_kabuli_chr05	7227493	AA	GG	1940323173
SNP_P1_89122_7227497	NC_021164.1	Ca_kabuli_chr05	7227497	TT	GG	1940323175
SNP_P1_89123_7227573	NC_021164.1	Ca_kabuli_chr05	7227573	AA	GG	1940323176
SNP_P1_89124_7227648	NC_021164.1	Ca_kabuli_chr05	7227648	GG	AA	1940323178
SNP_P1_89125_7227651	NC_021164.1	Ca_kabuli_chr05	7227651	AA	CC	1940323180
SNP_P1_89126_7227719	NC_021164.1	Ca_kabuli_chr05	7227719	GG	CC	1940323181
SNP_P1_89127_7227738	NC_021164.1	Ca_kabuli_chr05	7227738	AA	TT	1940323183
SNP_P1_89128_7227740	NC_021164.1	Ca_kabuli_chr05	7227740	GG	CC	1940323185
SNP_P1_89129_7232773	NC_021164.1	Ca_kabuli_chr05	7232773	TT	CC	1940323186
SNP_P1_89130_7236239	NC_021164.1	Ca_kabuli_chr05	7236239	AA	GG	1940323188
SNP_P1_89131_7236290	NC_021164.1	Ca_kabuli_chr05	7236290	CC	GG	1940323190
SNP_P1_89132_7236555	NC_021164.1	Ca_kabuli_chr05	7236555	AA	GG	1940323191
SNP_P1_89133_7236600	NC_021164.1	Ca_kabuli_chr05	7236600	AA	CC	1940323193
SNP_P1_89134_7236607	NC_021164.1	Ca_kabuli_chr05	7236607	AA	TT	1940323195
SNP_P1_89135_7260088	NC_021164.1	Ca_kabuli_chr05	7260088	TT	AA	1940323197
SNP_P1_89136_7262211	NC_021164.1	Ca_kabuli_chr05	7262211	CC	TT	1940323198
SNP_P1_89137_7263182	NC_021164.1	Ca_kabuli_chr05	7263182	GG	AA	1940323200
SNP_P1_89138_7265302	NC_021164.1	Ca_kabuli_chr05	7265302	TT	CC	1940323202
SNP_P1_89139_7267696	NC_021164.1	Ca_kabuli_chr05	7267696	CC	TT	1940323203
SNP_P1_89140_7272184	NC_021164.1	Ca_kabuli_chr05	7272184	CC	TT	1940323205
SNP_P1_89141_7273333	NC_021164.1	Ca_kabuli_chr05	7273333	CC	GG	1940323207
SNP_P1_89142_7281083	NC_021164.1	Ca_kabuli_chr05	7281083	CC	TT	1940323208
SNP_P1_89143_7293480	NC_021164.1	Ca_kabuli_chr05	7293480	AA	GG	1940323210
SNP_P1_89144_7297481	NC_021164.1	Ca_kabuli_chr05	7297481	TT	CC	1940323212
SNP_P1_89145_7314272	NC_021164.1	Ca_kabuli_chr05	7314272	TT	CC	1940323213
SNP_P1_89146_7314971	NC_021164.1	Ca_kabuli_chr05	7314971	AA	GG	1940323215
SNP_P1_89147_7317569	NC_021164.1	Ca_kabuli_chr05	7317569	TT	CC	1940323217
SNP_P1_89148_7317788	NC_021164.1	Ca_kabuli_chr05	7317788	TT	GG	1940323218
SNP_P1_89149_7317875	NC_021164.1	Ca_kabuli_chr05	7317875	AA	CC	1940323220
SNP_P1_89150_7326932	NC_021164.1	Ca_kabuli_chr05	7326932	AA	TT	1940323222
SNP_P1_89151_7326956	NC_021164.1	Ca_kabuli_chr05	7326956	AA	CC	1940323223

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_89152_7327010	NC_021164.1	Ca_kabuli_chr05	7327010	AA	GG	1940323225
SNP_P1_89153_7327274	NC_021164.1	Ca_kabuli_chr05	7327274	AA	GG	1940323227
SNP_P1_89154_7327349	NC_021164.1	Ca_kabuli_chr05	7327349	TT	AA	1940323228
SNP_P1_89155_7342099	NC_021164.1	Ca_kabuli_chr05	7342099	TT	AA	1940323230
SNP_P1_89156_7359142	NC_021164.1	Ca_kabuli_chr05	7359142	AA	GG	1940323232
SNP_P1_89157_7359185	NC_021164.1	Ca_kabuli_chr05	7359185	TT	CC	1940323234
SNP_P1_89158_7359222	NC_021164.1	Ca_kabuli_chr05	7359222	TT	CC	1940323235
SNP_P1_89159_7359250	NC_021164.1	Ca_kabuli_chr05	7359250	GG	AA	1940323237
SNP_P1_89160_7359312	NC_021164.1	Ca_kabuli_chr05	7359312	CC	TT	1940323239
SNP_P1_89161_7359325	NC_021164.1	Ca_kabuli_chr05	7359325	GG	CC	1940323240
SNP_P1_89162_7359550	NC_021164.1	Ca_kabuli_chr05	7359550	TT	GG	1940323242
SNP_P1_89163_7359610	NC_021164.1	Ca_kabuli_chr05	7359610	AA	GG	1940323244
SNP_P1_89164_7359725	NC_021164.1	Ca_kabuli_chr05	7359725	GG	TT	1940323245
SNP_P1_89165_7359738	NC_021164.1	Ca_kabuli_chr05	7359738	TT	GG	1940323247
SNP_P1_89166_7359865	NC_021164.1	Ca_kabuli_chr05	7359865	AA	CC	1940323249
SNP_P1_89167_7365262	NC_021164.1	Ca_kabuli_chr05	7365262	TT	CC	1940323250
SNP_P1_89168_7379387	NC_021164.1	Ca_kabuli_chr05	7379387	AA	GG	1940323252
SNP_P1_89169_7385679	NC_021164.1	Ca_kabuli_chr05	7385679	TT	AA	1940323254
SNP_P1_89170_7387939	NC_021164.1	Ca_kabuli_chr05	7387939	TT	CC	1940323255
SNP_P1_89171_7394075	NC_021164.1	Ca_kabuli_chr05	7394075	TT	CC	1940323257
SNP_P1_89173_7493906	NC_021164.1	Ca_kabuli_chr05	7493906	GG	AA	1940323259
SNP_P1_89175_7497429	NC_021164.1	Ca_kabuli_chr05	7497429	AA	TT	1940323260
SNP_P1_89176_7497908	NC_021164.1	Ca_kabuli_chr05	7497908	GG	AA	1940323262
SNP_P1_89177_7503398	NC_021164.1	Ca_kabuli_chr05	7503398	AA	GG	1940323264
SNP_P1_89178_7509277	NC_021164.1	Ca_kabuli_chr05	7509277	AA	TT	1940323265
SNP_P1_89179_7519252	NC_021164.1	Ca_kabuli_chr05	7519252	AA	TT	1940323267
SNP_P1_89180_7519292	NC_021164.1	Ca_kabuli_chr05	7519292	CC	AA	1940323269
SNP_P1_89181_7519563	NC_021164.1	Ca_kabuli_chr05	7519563	GG	TT	1940323271
SNP_P1_89182_7520242	NC_021164.1	Ca_kabuli_chr05	7520242	AA	GG	1940323272
SNP_P1_89184_7520545	NC_021164.1	Ca_kabuli_chr05	7520545	CC	TT	1940323274
SNP_P1_89185_7520554	NC_021164.1	Ca_kabuli_chr05	7520554	GG	TT	1940323276
SNP_P1_89186_7520774	NC_021164.1	Ca_kabuli_chr05	7520774	CC	TT	1940323277
SNP_P1_89187_7521110	NC_021164.1	Ca_kabuli_chr05	7521110	CC	AA	1940323279
SNP_P1_89188_7522338	NC_021164.1	Ca_kabuli_chr05	7522338	AA	GG	1940323281
SNP_P1_89189_7522940	NC_021164.1	Ca_kabuli_chr05	7522940	TT	CC	1940323282
SNP_P1_89190_7522994	NC_021164.1	Ca_kabuli_chr05	7522994	GG	AA	1940323284
SNP_P1_89191_7523037	NC_021164.1	Ca_kabuli_chr05	7523037	GG	TT	1940323286
SNP_P1_89193_7523919	NC_021164.1	Ca_kabuli_chr05	7523919	AA	TT	1940323287
SNP_P1_89194_7524382	NC_021164.1	Ca_kabuli_chr05	7524382	TT	CC	1940323289
SNP_P1_89195_7525043	NC_021164.1	Ca_kabuli_chr05	7525043	TT	GG	1940323291
SNP_P1_89196_7525470	NC_021164.1	Ca_kabuli_chr05	7525470	CC	TT	1940323292
SNP_P1_89197_7526167	NC_021164.1	Ca_kabuli_chr05	7526167	GG	TT	1940323294

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_89198_7526479	NC_021164.1	Ca_kabuli_chr05	7526479	TT	CC	1940323296
SNP_P1_89199_7539128	NC_021164.1	Ca_kabuli_chr05	7539128	TT	GG	1940323297
SNP_P1_89200_7539523	NC_021164.1	Ca_kabuli_chr05	7539523	TT	CC	1940323299
SNP_P1_89201_7540294	NC_021164.1	Ca_kabuli_chr05	7540294	GG	AA	1940323301
SNP_P1_89203_7551665	NC_021164.1	Ca_kabuli_chr05	7551665	CC	GG	1940323303
SNP_P1_89204_7559812	NC_021164.1	Ca_kabuli_chr05	7559812	GG	AA	1940323304
SNP_P1_89205_7561633	NC_021164.1	Ca_kabuli_chr05	7561633	AA	GG	1940323306
SNP_P1_89207_7564530	NC_021164.1	Ca_kabuli_chr05	7564530	AA	GG	1940323308
SNP_P1_89208_7569332	NC_021164.1	Ca_kabuli_chr05	7569332	GG	AA	1940323309
SNP_P1_89209_7571288	NC_021164.1	Ca_kabuli_chr05	7571288	AA	GG	1940323311
SNP_P1_89210_7572990	NC_021164.1	Ca_kabuli_chr05	7572990	TT	GG	1940323313
SNP_P1_89211_7574364	NC_021164.1	Ca_kabuli_chr05	7574364	CC	TT	1940323314
SNP_P1_89212_7574762	NC_021164.1	Ca_kabuli_chr05	7574762	AA	GG	1940323316
SNP_P1_89213_7577852	NC_021164.1	Ca_kabuli_chr05	7577852	AA	GG	1940323318
SNP_P1_89214_7577999	NC_021164.1	Ca_kabuli_chr05	7577999	CC	TT	1940323319
SNP_P1_89215_7578001	NC_021164.1	Ca_kabuli_chr05	7578001	CC	AA	1940323321
SNP_P1_89217_7578700	NC_021164.1	Ca_kabuli_chr05	7578700	CC	TT	1940323323
SNP_P1_89218_7578803	NC_021164.1	Ca_kabuli_chr05	7578803	AA	TT	1940323324
SNP_P1_89219_7578805	NC_021164.1	Ca_kabuli_chr05	7578805	GG	TT	1940323326
SNP_P1_89220_7578845	NC_021164.1	Ca_kabuli_chr05	7578845	GG	CC	1940323328
SNP_P1_89221_7578935	NC_021164.1	Ca_kabuli_chr05	7578935	GG	AA	1940323329
SNP_P1_89222_7578947	NC_021164.1	Ca_kabuli_chr05	7578947	AA	GG	1940323331
SNP_P1_89223_7579087	NC_021164.1	Ca_kabuli_chr05	7579087	TT	AA	1940323333
SNP_P1_89224_7579100	NC_021164.1	Ca_kabuli_chr05	7579100	TT	GG	1940323334
SNP_P1_89227_7581795	NC_021164.1	Ca_kabuli_chr05	7581795	TT	CC	1940323336
SNP_P1_89229_7586120	NC_021164.1	Ca_kabuli_chr05	7586120	GG	AA	1940323338
SNP_P1_89230_7586259	NC_021164.1	Ca_kabuli_chr05	7586259	GG	AA	1940323340
SNP_P1_89231_7586271	NC_021164.1	Ca_kabuli_chr05	7586271	AA	GG	1940323341
SNP_P1_89232_7586502	NC_021164.1	Ca_kabuli_chr05	7586502	GG	TT	1940323343
SNP_P1_89233_7588541	NC_021164.1	Ca_kabuli_chr05	7588541	TT	CC	1940323345
SNP_P1_89234_7589278	NC_021164.1	Ca_kabuli_chr05	7589278	TT	CC	1940323346
SNP_P1_89235_7589435	NC_021164.1	Ca_kabuli_chr05	7589435	TT	CC	1940323348
SNP_P1_89236_7590811	NC_021164.1	Ca_kabuli_chr05	7590811	AA	CC	1940323350
SNP_P1_89238_7591043	NC_021164.1	Ca_kabuli_chr05	7591043	AA	GG	1940323351
SNP_P1_89240_7594811	NC_021164.1	Ca_kabuli_chr05	7594811	CC	GG	1940323353
SNP_P1_89241_7594961	NC_021164.1	Ca_kabuli_chr05	7594961	GG	TT	1940323355
SNP_P1_89242_7595125	NC_021164.1	Ca_kabuli_chr05	7595125	CC	AA	1940323356
SNP_P1_89243_7595163	NC_021164.1	Ca_kabuli_chr05	7595163	TT	CC	1940323358
SNP_P1_89244_7595301	NC_021164.1	Ca_kabuli_chr05	7595301	TT	AA	1940323360
SNP_P1_89246_7595375	NC_021164.1	Ca_kabuli_chr05	7595375	AA	CC	1940323361
SNP_P1_89248_7595455	NC_021164.1	Ca_kabuli_chr05	7595455	CC	AA	1940323363
SNP_P1_89249_7595561	NC_021164.1	Ca_kabuli_chr05	7595561	GG	CC	1940323365

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89251_7595592	NC_021164.1	Ca_kabuli_chr05	7595592	AA	GG	1940323368
SNP_P1_89253_7597824	NC_021164.1	Ca_kabuli_chr05	7597824	CC	TT	1940323370
SNP_P1_89254_7601023	NC_021164.1	Ca_kabuli_chr05	7601023	TT	CC	1940323371
SNP_P1_89255_7601024	NC_021164.1	Ca_kabuli_chr05	7601024	CC	TT	1940323373
SNP_P1_89256_7601032	NC_021164.1	Ca_kabuli_chr05	7601032	TT	CC	1940323375
SNP_P1_89257_7601041	NC_021164.1	Ca_kabuli_chr05	7601041	AA	GG	1940323376
SNP_P1_89258_7601296	NC_021164.1	Ca_kabuli_chr05	7601296	GG	AA	1940323378
SNP_P1_89259_7601317	NC_021164.1	Ca_kabuli_chr05	7601317	GG	AA	1940323380
SNP_P1_89260_7601329	NC_021164.1	Ca_kabuli_chr05	7601329	CC	TT	1940323382
SNP_P1_89261_7601336	NC_021164.1	Ca_kabuli_chr05	7601336	AA	GG	1940323383
SNP_P1_89262_7601523	NC_021164.1	Ca_kabuli_chr05	7601523	GG	AA	1940323385
SNP_P1_89263_7601999	NC_021164.1	Ca_kabuli_chr05	7601999	CC	TT	1940323387
SNP_P1_89264_7602358	NC_021164.1	Ca_kabuli_chr05	7602358	TT	CC	1940323388
SNP_P1_89265_7602678	NC_021164.1	Ca_kabuli_chr05	7602678	AA	CC	1940323390
SNP_P1_89267_7602985	NC_021164.1	Ca_kabuli_chr05	7602985	AA	GG	1940323392
SNP_P1_89268_7603252	NC_021164.1	Ca_kabuli_chr05	7603252	TT	CC	1940323393
SNP_P1_89269_7603336	NC_021164.1	Ca_kabuli_chr05	7603336	TT	CC	1940323395
SNP_P1_89270_7603341	NC_021164.1	Ca_kabuli_chr05	7603341	AA	GG	1940323397
SNP_P1_89271_7603426	NC_021164.1	Ca_kabuli_chr05	7603426	CC	TT	1940323398
SNP_P1_89272_7603471	NC_021164.1	Ca_kabuli_chr05	7603471	TT	AA	1940323400
SNP_P1_89273_7603654	NC_021164.1	Ca_kabuli_chr05	7603654	TT	AA	1940323402
SNP_P1_89274_7603655	NC_021164.1	Ca_kabuli_chr05	7603655	AA	CC	1940323403
SNP_P1_89275_7603656	NC_021164.1	Ca_kabuli_chr05	7603656	AA	GG	1940323405
SNP_P1_89277_7603837	NC_021164.1	Ca_kabuli_chr05	7603837	TT	CC	1940323407
SNP_P1_89278_7604915	NC_021164.1	Ca_kabuli_chr05	7604915	GG	AA	1940323408
SNP_P1_89279_7604954	NC_021164.1	Ca_kabuli_chr05	7604954	TT	CC	1940323410
SNP_P1_89280_7604957	NC_021164.1	Ca_kabuli_chr05	7604957	CC	TT	1940323412
SNP_P1_89281_7604999	NC_021164.1	Ca_kabuli_chr05	7604999	AA	GG	1940323414
SNP_P1_89282_7605005	NC_021164.1	Ca_kabuli_chr05	7605005	TT	AA	1940323415
SNP_P1_89284_7605204	NC_021164.1	Ca_kabuli_chr05	7605204	TT	CC	1940323417
SNP_P1_89285_7605271	NC_021164.1	Ca_kabuli_chr05	7605271	CC	TT	1940323419
SNP_P1_89287_7605585	NC_021164.1	Ca_kabuli_chr05	7605585	GG	TT	1940323420
SNP_P1_89288_7605791	NC_021164.1	Ca_kabuli_chr05	7605791	GG	AA	1940323422
SNP_P1_89289_7605793	NC_021164.1	Ca_kabuli_chr05	7605793	CC	TT	1940323424
SNP_P1_89290_7605913	NC_021164.1	Ca_kabuli_chr05	7605913	AA	TT	1940323425
SNP_P1_89291_7605915	NC_021164.1	Ca_kabuli_chr05	7605915	CC	TT	1940323427
SNP_P1_89292_7605943	NC_021164.1	Ca_kabuli_chr05	7605943	TT	CC	1940323429
SNP_P1_89293_7605959	NC_021164.1	Ca_kabuli_chr05	7605959	AA	GG	1940323430
SNP_P1_89295_7606821	NC_021164.1	Ca_kabuli_chr05	7606821	GG	AA	1940323432
SNP_P1_89296_7609096	NC_021164.1	Ca_kabuli_chr05	7609096	CC	TT	1940323434
SNP_P1_89297_7609406	NC_021164.1	Ca_kabuli_chr05	7609406	AA	GG	1940323435

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89299_7609511	NC_021164.1	Ca_kabuli_chr05	7609511	CC	TT	1940323439
SNP_P1_89300_7610574	NC_021164.1	Ca_kabuli_chr05	7610574	CC	AA	1940323440
SNP_P1_89301_7618623	NC_021164.1	Ca_kabuli_chr05	7618623	TT	CC	1940323442
SNP_P1_89302_7618645	NC_021164.1	Ca_kabuli_chr05	7618645	TT	CC	1940323444
SNP_P1_89303_7619462	NC_021164.1	Ca_kabuli_chr05	7619462	CC	GG	1940323445
SNP_P1_89304_7619482	NC_021164.1	Ca_kabuli_chr05	7619482	AA	GG	1940323447
SNP_P1_89305_7619775	NC_021164.1	Ca_kabuli_chr05	7619775	CC	TT	1940323449
SNP_P1_89306_7619893	NC_021164.1	Ca_kabuli_chr05	7619893	AA	GG	1940323451
SNP_P1_89308_7619913	NC_021164.1	Ca_kabuli_chr05	7619913	CC	AA	1940323452
SNP_P1_89309_7620100	NC_021164.1	Ca_kabuli_chr05	7620100	AA	GG	1940323454
SNP_P1_89310_7620123	NC_021164.1	Ca_kabuli_chr05	7620123	GG	AA	1940323456
SNP_P1_89311_7620170	NC_021164.1	Ca_kabuli_chr05	7620170	CC	TT	1940323457
SNP_P1_89312_7620253	NC_021164.1	Ca_kabuli_chr05	7620253	GG	AA	1940323459
SNP_P1_89313_7620291	NC_021164.1	Ca_kabuli_chr05	7620291	AA	TT	1940323461
SNP_P1_89314_7620339	NC_021164.1	Ca_kabuli_chr05	7620339	AA	GG	1940323462
SNP_P1_89315_7620420	NC_021164.1	Ca_kabuli_chr05	7620420	TT	CC	1940323464
SNP_P1_89316_7620572	NC_021164.1	Ca_kabuli_chr05	7620572	GG	AA	1940323466
SNP_P1_89317_7621598	NC_021164.1	Ca_kabuli_chr05	7621598	AA	CC	1940323467
SNP_P1_89318_7621831	NC_021164.1	Ca_kabuli_chr05	7621831	AA	GG	1940323469
SNP_P1_89319_7621904	NC_021164.1	Ca_kabuli_chr05	7621904	GG	AA	1940323471
SNP_P1_89320_7621967	NC_021164.1	Ca_kabuli_chr05	7621967	AA	CC	1940323472
SNP_P1_89321_7622016	NC_021164.1	Ca_kabuli_chr05	7622016	GG	AA	1940323474
SNP_P1_89322_7622197	NC_021164.1	Ca_kabuli_chr05	7622197	TT	CC	1940323476
SNP_P1_89323_7622316	NC_021164.1	Ca_kabuli_chr05	7622316	CC	TT	1940323477
SNP_P1_89324_7622582	NC_021164.1	Ca_kabuli_chr05	7622582	AA	GG	1940323479
SNP_P1_89325_7622976	NC_021164.1	Ca_kabuli_chr05	7622976	AA	TT	1940323481
SNP_P1_89327_7624485	NC_021164.1	Ca_kabuli_chr05	7624485	TT	AA	1940323483
SNP_P1_89330_7625976	NC_021164.1	Ca_kabuli_chr05	7625976	AA	GG	1940323484
SNP_P1_89331_7626091	NC_021164.1	Ca_kabuli_chr05	7626091	TT	CC	1940323486
SNP_P1_89332_7626117	NC_021164.1	Ca_kabuli_chr05	7626117	GG	AA	1940323488
SNP_P1_89333_7626194	NC_021164.1	Ca_kabuli_chr05	7626194	CC	TT	1940323489
SNP_P1_89334_7626260	NC_021164.1	Ca_kabuli_chr05	7626260	TT	CC	1940323491
SNP_P1_89335_7626386	NC_021164.1	Ca_kabuli_chr05	7626386	CC	AA	1940323493
SNP_P1_89336_7626644	NC_021164.1	Ca_kabuli_chr05	7626644	GG	AA	1940323494
SNP_P1_89337_7627333	NC_021164.1	Ca_kabuli_chr05	7627333	GG	TT	1940323496
SNP_P1_89338_7629170	NC_021164.1	Ca_kabuli_chr05	7629170	GG	AA	1940323498
SNP_P1_89339_7630547	NC_021164.1	Ca_kabuli_chr05	7630547	CC	TT	1940323499
SNP_P1_89341_7631146	NC_021164.1	Ca_kabuli_chr05	7631146	GG	AA	1940323501
SNP_P1_89342_7631150	NC_021164.1	Ca_kabuli_chr05	7631150	CC	TT	1940323503
SNP_P1_89343_7631158	NC_021164.1	Ca_kabuli_chr05	7631158	GG	AA	1940323504
SNP_P1_89344_7631503	NC_021164.1	Ca_kabuli_chr05	7631503	GG	AA	1940323506

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89346_7631519	NC_021164.1	Ca_kabuli_chr05	7631519	AA	GG	1940323509
SNP_P1_89347_7633816	NC_021164.1	Ca_kabuli_chr05	7633816	AA	CC	1940323511
SNP_P1_89348_7633826	NC_021164.1	Ca_kabuli_chr05	7633826	TT	CC	1940323513
SNP_P1_89349_7633875	NC_021164.1	Ca_kabuli_chr05	7633875	AA	GG	1940323515
SNP_P1_89350_7634296	NC_021164.1	Ca_kabuli_chr05	7634296	TT	CC	1940323516
SNP_P1_89351_7634775	NC_021164.1	Ca_kabuli_chr05	7634775	GG	AA	1940323518
SNP_P1_89352_7634794	NC_021164.1	Ca_kabuli_chr05	7634794	TT	CC	1940323520
SNP_P1_89353_7634815	NC_021164.1	Ca_kabuli_chr05	7634815	CC	TT	1940323521
SNP_P1_89354_7634830	NC_021164.1	Ca_kabuli_chr05	7634830	AA	GG	1940323523
SNP_P1_89355_7634844	NC_021164.1	Ca_kabuli_chr05	7634844	AA	TT	1940323525
SNP_P1_89357_7634971	NC_021164.1	Ca_kabuli_chr05	7634971	CC	AA	1940323526
SNP_P1_89358_7635051	NC_021164.1	Ca_kabuli_chr05	7635051	AA	GG	1940323528
SNP_P1_89359_7635067	NC_021164.1	Ca_kabuli_chr05	7635067	CC	TT	1940323530
SNP_P1_89360_7635170	NC_021164.1	Ca_kabuli_chr05	7635170	TT	CC	1940323531
SNP_P1_89361_7635180	NC_021164.1	Ca_kabuli_chr05	7635180	GG	TT	1940323533
SNP_P1_89362_7635901	NC_021164.1	Ca_kabuli_chr05	7635901	GG	AA	1940323535
SNP_P1_89363_7635909	NC_021164.1	Ca_kabuli_chr05	7635909	TT	CC	1940323536
SNP_P1_89364_7635971	NC_021164.1	Ca_kabuli_chr05	7635971	TT	CC	1940323538
SNP_P1_89366_7636808	NC_021164.1	Ca_kabuli_chr05	7636808	CC	AA	1940323540
SNP_P1_89367_7637521	NC_021164.1	Ca_kabuli_chr05	7637521	GG	AA	1940323541
SNP_P1_89368_7637792	NC_021164.1	Ca_kabuli_chr05	7637792	TT	CC	1940323543
SNP_P1_89369_7639149	NC_021164.1	Ca_kabuli_chr05	7639149	CC	TT	1940323545
SNP_P1_89370_7639178	NC_021164.1	Ca_kabuli_chr05	7639178	CC	GG	1940323546
SNP_P1_89371_7639444	NC_021164.1	Ca_kabuli_chr05	7639444	CC	TT	1940323548
SNP_P1_89373_7639464	NC_021164.1	Ca_kabuli_chr05	7639464	CC	TT	1940323550
SNP_P1_89375_7640553	NC_021164.1	Ca_kabuli_chr05	7640553	AA	CC	1940323552
SNP_P1_89376_7640622	NC_021164.1	Ca_kabuli_chr05	7640622	GG	TT	1940323553
SNP_P1_89377_7640652	NC_021164.1	Ca_kabuli_chr05	7640652	CC	AA	1940323555
SNP_P1_89378_7640809	NC_021164.1	Ca_kabuli_chr05	7640809	CC	TT	1940323557
SNP_P1_89379_7640834	NC_021164.1	Ca_kabuli_chr05	7640834	GG	AA	1940323558
SNP_P1_89380_7641640	NC_021164.1	Ca_kabuli_chr05	7641640	GG	AA	1940323560
SNP_P1_89381_7642928	NC_021164.1	Ca_kabuli_chr05	7642928	AA	GG	1940323562
SNP_P1_89382_7642969	NC_021164.1	Ca_kabuli_chr05	7642969	CC	AA	1940323563
SNP_P1_89383_7643208	NC_021164.1	Ca_kabuli_chr05	7643208	CC	TT	1940323565
SNP_P1_89384_7643212	NC_021164.1	Ca_kabuli_chr05	7643212	CC	TT	1940323567
SNP_P1_89385_7643528	NC_021164.1	Ca_kabuli_chr05	7643528	CC	AA	1940323568
SNP_P1_89386_7643533	NC_021164.1	Ca_kabuli_chr05	7643533	AA	GG	1940323570
SNP_P1_89387_7643967	NC_021164.1	Ca_kabuli_chr05	7643967	GG	AA	1940323572
SNP_P1_89388_7643996	NC_021164.1	Ca_kabuli_chr05	7643996	CC	TT	1940323573
SNP_P1_89389_7644171	NC_021164.1	Ca_kabuli_chr05	7644171	CC	TT	1940323575
SNP_P1_89390_7644209	NC_021164.1	Ca_kabuli_chr05	7644209	TT	GG	1940323577

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89392_7644241	NC_021164.1	Ca_kabuli_chr05	7644241	CC	GG	1940323580
SNP_P1_89393_7648928	NC_021164.1	Ca_kabuli_chr05	7648928	CC	TT	1940323582
SNP_P1_89394_7648988	NC_021164.1	Ca_kabuli_chr05	7648988	TT	CC	1940323583
SNP_P1_89395_7649002	NC_021164.1	Ca_kabuli_chr05	7649002	GG	AA	1940323585
SNP_P1_89396_7654385	NC_021164.1	Ca_kabuli_chr05	7654385	TT	CC	1940323587
SNP_P1_89397_7655024	NC_021164.1	Ca_kabuli_chr05	7655024	TT	CC	1940323589
SNP_P1_89398_7657122	NC_021164.1	Ca_kabuli_chr05	7657122	GG	AA	1940323590
SNP_P1_89399_7657132	NC_021164.1	Ca_kabuli_chr05	7657132	TT	CC	1940323592
SNP_P1_89400_7657789	NC_021164.1	Ca_kabuli_chr05	7657789	CC	TT	1940323594
SNP_P1_89401_7657867	NC_021164.1	Ca_kabuli_chr05	7657867	GG	AA	1940323595
SNP_P1_89402_7657868	NC_021164.1	Ca_kabuli_chr05	7657868	GG	AA	1940323597
SNP_P1_89403_7659764	NC_021164.1	Ca_kabuli_chr05	7659764	TT	AA	1940323599
SNP_P1_89404_7659816	NC_021164.1	Ca_kabuli_chr05	7659816	TT	CC	1940323600
SNP_P1_89405_7659846	NC_021164.1	Ca_kabuli_chr05	7659846	TT	GG	1940323602
SNP_P1_89406_7660045	NC_021164.1	Ca_kabuli_chr05	7660045	TT	AA	1940323604
SNP_P1_89407_7660079	NC_021164.1	Ca_kabuli_chr05	7660079	CC	TT	1940323605
SNP_P1_89408_7660112	NC_021164.1	Ca_kabuli_chr05	7660112	CC	TT	1940323607
SNP_P1_89409_7660114	NC_021164.1	Ca_kabuli_chr05	7660114	TT	CC	1940323609
SNP_P1_89410_7660130	NC_021164.1	Ca_kabuli_chr05	7660130	CC	AA	1940323610
SNP_P1_89411_7660142	NC_021164.1	Ca_kabuli_chr05	7660142	AA	GG	1940323612
SNP_P1_89412_7660169	NC_021164.1	Ca_kabuli_chr05	7660169	GG	AA	1940323614
SNP_P1_89413_7661277	NC_021164.1	Ca_kabuli_chr05	7661277	AA	TT	1940323616
SNP_P1_89414_7661305	NC_021164.1	Ca_kabuli_chr05	7661305	TT	GG	1940323617
SNP_P1_89415_7661453	NC_021164.1	Ca_kabuli_chr05	7661453	TT	CC	1940323619
SNP_P1_89416_7661455	NC_021164.1	Ca_kabuli_chr05	7661455	CC	TT	1940323621
SNP_P1_89418_7661606	NC_021164.1	Ca_kabuli_chr05	7661606	AA	GG	1940323622
SNP_P1_89420_7661656	NC_021164.1	Ca_kabuli_chr05	7661656	CC	AA	1940323624
SNP_P1_89421_7661659	NC_021164.1	Ca_kabuli_chr05	7661659	AA	CC	1940323626
SNP_P1_89422_7661714	NC_021164.1	Ca_kabuli_chr05	7661714	GG	AA	1940323627
SNP_P1_89423_7661716	NC_021164.1	Ca_kabuli_chr05	7661716	GG	AA	1940323629
SNP_P1_89424_7661765	NC_021164.1	Ca_kabuli_chr05	7661765	CC	TT	1940323631
SNP_P1_89425_7661910	NC_021164.1	Ca_kabuli_chr05	7661910	GG	AA	1940323632
SNP_P1_89426_7661947	NC_021164.1	Ca_kabuli_chr05	7661947	AA	GG	1940323634
SNP_P1_89427_7661994	NC_021164.1	Ca_kabuli_chr05	7661994	GG	AA	1940323636
SNP_P1_89428_7662001	NC_021164.1	Ca_kabuli_chr05	7662001	TT	AA	1940323637
SNP_P1_89431_7663312	NC_021164.1	Ca_kabuli_chr05	7663312	AA	GG	1940323639
SNP_P1_89432_7663318	NC_021164.1	Ca_kabuli_chr05	7663318	TT	AA	1940323641
SNP_P1_89434_7663622	NC_021164.1	Ca_kabuli_chr05	7663622	GG	TT	1940323642
SNP_P1_89437_7663933	NC_021164.1	Ca_kabuli_chr05	7663933	TT	AA	1940323644
SNP_P1_89438_7663955	NC_021164.1	Ca_kabuli_chr05	7663955	TT	GG	1940323646
SNP_P1_89440_7664535	NC_021164.1	Ca_kabuli_chr05	7664535	TT	CC	1940323647

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89444_7665735	NC_021164.1	Ca_kabuli_chr05	7665735	TT	AA	1940323651
SNP_P1_89445_7666017	NC_021164.1	Ca_kabuli_chr05	7666017	GG	CC	1940323653
SNP_P1_89446_7666215	NC_021164.1	Ca_kabuli_chr05	7666215	CC	TT	1940323654
SNP_P1_89447_7666520	NC_021164.1	Ca_kabuli_chr05	7666520	AA	GG	1940323656
SNP_P1_89449_7666539	NC_021164.1	Ca_kabuli_chr05	7666539	CC	AA	1940323658
SNP_P1_89450_7667490	NC_021164.1	Ca_kabuli_chr05	7667490	CC	TT	1940323659
SNP_P1_89451_7667506	NC_021164.1	Ca_kabuli_chr05	7667506	TT	CC	1940323661
SNP_P1_89452_7667909	NC_021164.1	Ca_kabuli_chr05	7667909	GG	TT	1940323663
SNP_P1_89453_7669593	NC_021164.1	Ca_kabuli_chr05	7669593	TT	GG	1940323664
SNP_P1_89455_7669985	NC_021164.1	Ca_kabuli_chr05	7669985	TT	AA	1940323666
SNP_P1_89456_7670091	NC_021164.1	Ca_kabuli_chr05	7670091	AA	CC	1940323668
SNP_P1_89457_7670128	NC_021164.1	Ca_kabuli_chr05	7670128	TT	CC	1940323669
SNP_P1_89459_7671047	NC_021164.1	Ca_kabuli_chr05	7671047	AA	GG	1940323671
SNP_P1_89460_7671555	NC_021164.1	Ca_kabuli_chr05	7671555	CC	GG	1940323673
SNP_P1_89461_7671563	NC_021164.1	Ca_kabuli_chr05	7671563	GG	TT	1940323674
SNP_P1_89462_7672178	NC_021164.1	Ca_kabuli_chr05	7672178	GG	AA	1940323676
SNP_P1_89463_7672182	NC_021164.1	Ca_kabuli_chr05	7672182	AA	CC	1940323678
SNP_P1_89464_7672201	NC_021164.1	Ca_kabuli_chr05	7672201	CC	AA	1940323679
SNP_P1_89467_7672540	NC_021164.1	Ca_kabuli_chr05	7672540	GG	TT	1940323681
SNP_P1_89468_7672552	NC_021164.1	Ca_kabuli_chr05	7672552	GG	AA	1940323683
SNP_P1_89470_7673259	NC_021164.1	Ca_kabuli_chr05	7673259	AA	CC	1940323684
SNP_P1_89472_7674170	NC_021164.1	Ca_kabuli_chr05	7674170	GG	AA	1940323686
SNP_P1_89474_7674368	NC_021164.1	Ca_kabuli_chr05	7674368	AA	GG	1940323688
SNP_P1_89475_7674375	NC_021164.1	Ca_kabuli_chr05	7674375	AA	CC	1940323690
SNP_P1_89476_7674385	NC_021164.1	Ca_kabuli_chr05	7674385	TT	CC	1940323691
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SNP_P1_89478_7674434	NC_021164.1	Ca_kabuli_chr05	7674434	GG	TT	1940323695
SNP_P1_89479_7674668	NC_021164.1	Ca_kabuli_chr05	7674668	CC	AA	1940323696
SNP_P1_89480_7678096	NC_021164.1	Ca_kabuli_chr05	7678096	CC	TT	1940323698
SNP_P1_89481_7678111	NC_021164.1	Ca_kabuli_chr05	7678111	GG	CC	1940323700
SNP_P1_89482_7678121	NC_021164.1	Ca_kabuli_chr05	7678121	TT	CC	1940323701
SNP_P1_89483_7678207	NC_021164.1	Ca_kabuli_chr05	7678207	GG	AA	1940323703
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SNP_P1_89485_7678357	NC_021164.1	Ca_kabuli_chr05	7678357	AA	TT	1940323706
SNP_P1_89487_7679652	NC_021164.1	Ca_kabuli_chr05	7679652	CC	TT	1940323708
SNP_P1_89488_7679656	NC_021164.1	Ca_kabuli_chr05	7679656	TT	GG	1940323710
SNP_P1_89490_7680116	NC_021164.1	Ca_kabuli_chr05	7680116	AA	TT	1940323712
SNP_P1_89492_7681050	NC_021164.1	Ca_kabuli_chr05	7681050	AA	GG	1940323713
SNP_P1_89493_7681203	NC_021164.1	Ca_kabuli_chr05	7681203	GG	AA	1940323715
SNP_P1_89494_7681206	NC_021164.1	Ca_kabuli_chr05	7681206	AA	TT	1940323717
SNP_P1_89495_7681220	NC_021164.1	Ca_kabuli_chr05	7681220	TT	GG	1940323718

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89498_7681288	NC_021164.1	Ca_kabuli_chr05	7681288	CC	TT	1940323723
SNP_P1_89502_7682070	NC_021164.1	Ca_kabuli_chr05	7682070	AA	TT	1940323725
SNP_P1_89503_7683273	NC_021164.1	Ca_kabuli_chr05	7683273	GG	AA	1940323727
SNP_P1_89504_7683300	NC_021164.1	Ca_kabuli_chr05	7683300	CC	AA	1940323728
SNP_P1_89506_7684296	NC_021164.1	Ca_kabuli_chr05	7684296	CC	AA	1940323730
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SNP_P1_89509_7690891	NC_021164.1	Ca_kabuli_chr05	7690891	TT	CC	1940323733
SNP_P1_89510_7690928	NC_021164.1	Ca_kabuli_chr05	7690928	AA	GG	1940323735
SNP_P1_89511_7691045	NC_021164.1	Ca_kabuli_chr05	7691045	CC	TT	1940323737
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SNP_P1_89513_7691080	NC_021164.1	Ca_kabuli_chr05	7691080	CC	TT	1940323740
SNP_P1_89514_7691162	NC_021164.1	Ca_kabuli_chr05	7691162	CC	TT	1940323742
SNP_P1_89515_7691202	NC_021164.1	Ca_kabuli_chr05	7691202	CC	TT	1940323743
SNP_P1_89516_7691437	NC_021164.1	Ca_kabuli_chr05	7691437	GG	AA	1940323745
SNP_P1_89517_7691473	NC_021164.1	Ca_kabuli_chr05	7691473	TT	AA	1940323747
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SNP_P1_89520_7692151	NC_021164.1	Ca_kabuli_chr05	7692151	CC	TT	1940323752
SNP_P1_89521_7692170	NC_021164.1	Ca_kabuli_chr05	7692170	AA	GG	1940323754
SNP_P1_89522_7692200	NC_021164.1	Ca_kabuli_chr05	7692200	CC	TT	1940323755
SNP_P1_89523_7692259	NC_021164.1	Ca_kabuli_chr05	7692259	GG	AA	1940323757
SNP_P1_89524_7692377	NC_021164.1	Ca_kabuli_chr05	7692377	AA	GG	1940323759
SNP_P1_89525_7692402	NC_021164.1	Ca_kabuli_chr05	7692402	TT	CC	1940323760
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SNP_P1_89529_7693004	NC_021164.1	Ca_kabuli_chr05	7693004	TT	AA	1940323767
SNP_P1_89530_7693010	NC_021164.1	Ca_kabuli_chr05	7693010	GG	TT	1940323769
SNP_P1_89531_7693019	NC_021164.1	Ca_kabuli_chr05	7693019	CC	TT	1940323770
SNP_P1_89532_7693207	NC_021164.1	Ca_kabuli_chr05	7693207	AA	GG	1940323772
SNP_P1_89533_7693208	NC_021164.1	Ca_kabuli_chr05	7693208	AA	TT	1940323774
SNP_P1_89535_7695168	NC_021164.1	Ca_kabuli_chr05	7695168	AA	GG	1940323775
SNP_P1_89537_7695222	NC_021164.1	Ca_kabuli_chr05	7695222	CC	TT	1940323777
SNP_P1_89538_7695251	NC_021164.1	Ca_kabuli_chr05	7695251	GG	AA	1940323779
SNP_P1_89539_7695264	NC_021164.1	Ca_kabuli_chr05	7695264	AA	GG	1940323781
SNP_P1_89540_7695290	NC_021164.1	Ca_kabuli_chr05	7695290	CC	TT	1940323782
SNP_P1_89541_7695294	NC_021164.1	Ca_kabuli_chr05	7695294	AA	GG	1940323784
SNP_P1_89542_7695329	NC_021164.1	Ca_kabuli_chr05	7695329	GG	AA	1940323786
SNP_P1_89543_7695443	NC_021164.1	Ca_kabuli_chr05	7695443	TT	CC	1940323787
SNP_P1_89544_7695446	NC_021164.1	Ca_kabuli_chr05	7695446	AA	GG	1940323789

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89551_7696438	NC_021164.1	Ca_kabuli_chr05	7696438	AA	TT	1940323794
SNP_P1_89552_7696472	NC_021164.1	Ca_kabuli_chr05	7696472	TT	AA	1940323796
SNP_P1_89553_7696673	NC_021164.1	Ca_kabuli_chr05	7696673	AA	GG	1940323797
SNP_P1_89555_7696703	NC_021164.1	Ca_kabuli_chr05	7696703	AA	GG	1940323799
SNP_P1_89556_7696734	NC_021164.1	Ca_kabuli_chr05	7696734	TT	CC	1940323801
SNP_P1_89558_7696771	NC_021164.1	Ca_kabuli_chr05	7696771	CC	GG	1940323802
SNP_P1_89559_7696903	NC_021164.1	Ca_kabuli_chr05	7696903	TT	CC	1940323804
SNP_P1_89561_7697451	NC_021164.1	Ca_kabuli_chr05	7697451	GG	AA	1940323806
SNP_P1_89562_7697473	NC_021164.1	Ca_kabuli_chr05	7697473	TT	CC	1940323808
SNP_P1_89563_7697561	NC_021164.1	Ca_kabuli_chr05	7697561	CC	TT	1940323809
SNP_P1_89564_7697588	NC_021164.1	Ca_kabuli_chr05	7697588	AA	GG	1940323811
SNP_P1_89565_7697592	NC_021164.1	Ca_kabuli_chr05	7697592	CC	TT	1940323813
SNP_P1_89566_7698215	NC_021164.1	Ca_kabuli_chr05	7698215	GG	TT	1940323814
SNP_P1_89567_7698230	NC_021164.1	Ca_kabuli_chr05	7698230	CC	GG	1940323816
SNP_P1_89568_7698510	NC_021164.1	Ca_kabuli_chr05	7698510	AA	GG	1940323818
SNP_P1_89569_7698550	NC_021164.1	Ca_kabuli_chr05	7698550	GG	CC	1940323819
SNP_P1_89570_7698583	NC_021164.1	Ca_kabuli_chr05	7698583	TT	CC	1940323821
SNP_P1_89571_7698585	NC_021164.1	Ca_kabuli_chr05	7698585	GG	AA	1940323823
SNP_P1_89572_7698764	NC_021164.1	Ca_kabuli_chr05	7698764	CC	TT	1940323824
SNP_P1_89573_7698939	NC_021164.1	Ca_kabuli_chr05	7698939	TT	AA	1940323826
SNP_P1_89574_7698940	NC_021164.1	Ca_kabuli_chr05	7698940	TT	CC	1940323828
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SNP_P1_89576_7700632	NC_021164.1	Ca_kabuli_chr05	7700632	TT	GG	1940323831
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SNP_P1_89578_7700968	NC_021164.1	Ca_kabuli_chr05	7700968	AA	TT	1940323834
SNP_P1_89579_7701146	NC_021164.1	Ca_kabuli_chr05	7701146	AA	GG	1940323836
SNP_P1_89580_7701923	NC_021164.1	Ca_kabuli_chr05	7701923	GG	AA	1940323838
SNP_P1_89581_7702263	NC_021164.1	Ca_kabuli_chr05	7702263	TT	AA	1940323840
SNP_P1_89582_7702296	NC_021164.1	Ca_kabuli_chr05	7702296	AA	GG	1940323841
SNP_P1_89583_7702297	NC_021164.1	Ca_kabuli_chr05	7702297	CC	TT	1940323843
SNP_P1_89584_7702329	NC_021164.1	Ca_kabuli_chr05	7702329	GG	AA	1940323845
SNP_P1_89585_7702332	NC_021164.1	Ca_kabuli_chr05	7702332	CC	TT	1940323846
SNP_P1_89586_7702548	NC_021164.1	Ca_kabuli_chr05	7702548	CC	TT	1940323848
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SNP_P1_89591_7704545	NC_021164.1	Ca_kabuli_chr05	7704545	GG	AA	1940323856
SNP_P1_89592_7704565	NC_021164.1	Ca_kabuli_chr05	7704565	TT	CC	1940323858
SNP_P1_89593_7704583	NC_021164.1	Ca_kabuli_chr05	7704583	AA	CC	1940323860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89596_7704610	NC_021164.1	Ca_kabuli_chr05	7704610	TT	CC	1940323865
SNP_P1_89597_7704653	NC_021164.1	Ca_kabuli_chr05	7704653	TT	AA	1940323866
SNP_P1_89598_7707391	NC_021164.1	Ca_kabuli_chr05	7707391	GG	TT	1940323868
SNP_P1_89599_7707402	NC_021164.1	Ca_kabuli_chr05	7707402	AA	CC	1940323870
SNP_P1_89600_7707511	NC_021164.1	Ca_kabuli_chr05	7707511	TT	AA	1940323872
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SNP_P1_89603_7707536	NC_021164.1	Ca_kabuli_chr05	7707536	AA	GG	1940323877
SNP_P1_89604_7707558	NC_021164.1	Ca_kabuli_chr05	7707558	AA	GG	1940323878
SNP_P1_89605_7707569	NC_021164.1	Ca_kabuli_chr05	7707569	AA	CC	1940323880
SNP_P1_89606_7707599	NC_021164.1	Ca_kabuli_chr05	7707599	TT	CC	1940323882
SNP_P1_89607_7707637	NC_021164.1	Ca_kabuli_chr05	7707637	AA	GG	1940323883
SNP_P1_89608_7707650	NC_021164.1	Ca_kabuli_chr05	7707650	AA	CC	1940323885
SNP_P1_89609_7707665	NC_021164.1	Ca_kabuli_chr05	7707665	AA	GG	1940323887
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SNP_P1_89617_7713202	NC_021164.1	Ca_kabuli_chr05	7713202	TT	CC	1940323897
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SNP_P1_89625_7714066	NC_021164.1	Ca_kabuli_chr05	7714066	AA	GG	1940323909
SNP_P1_89626_7714068	NC_021164.1	Ca_kabuli_chr05	7714068	AA	GG	1940323910
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SNP_P1_89628_7714215	NC_021164.1	Ca_kabuli_chr05	7714215	CC	TT	1940323914
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SNP_P1_89635_7728497	NC_021164.1	Ca_kabuli_chr05	7728497	AA	CC	1940323925
SNP_P1_89636_7728703	NC_021164.1	Ca_kabuli_chr05	7728703	GG	AA	1940323927
SNP_P1_89637_7728744	NC_021164.1	Ca_kabuli_chr05	7728744	TT	CC	1940323929
SNP_P1_89638_7728748	NC_021164.1	Ca_kabuli_chr05	7728748	TT	GG	1940323931

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89642_7729221	NC_021164.1	Ca_kabuli_chr05	7729221	TT	GG	1940323937
SNP_P1_89643_7729224	NC_021164.1	Ca_kabuli_chr05	7729224	AA	TT	1940323939
SNP_P1_89644_7729248	NC_021164.1	Ca_kabuli_chr05	7729248	CC	TT	1940323941
SNP_P1_89645_7729575	NC_021164.1	Ca_kabuli_chr05	7729575	TT	CC	1940323942
SNP_P1_89646_7729592	NC_021164.1	Ca_kabuli_chr05	7729592	AA	GG	1940323944
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SNP_P1_89655_7731415	NC_021164.1	Ca_kabuli_chr05	7731415	GG	TT	1940323959
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SNP_P1_89659_7731574	NC_021164.1	Ca_kabuli_chr05	7731574	TT	CC	1940323966
SNP_P1_89661_7731725	NC_021164.1	Ca_kabuli_chr05	7731725	CC	TT	1940323968
SNP_P1_89662_7731790	NC_021164.1	Ca_kabuli_chr05	7731790	GG	AA	1940323969
SNP_P1_89663_7731873	NC_021164.1	Ca_kabuli_chr05	7731873	GG	TT	1940323971
SNP_P1_89664_7732887	NC_021164.1	Ca_kabuli_chr05	7732887	AA	CC	1940323973
SNP_P1_89665_7733039	NC_021164.1	Ca_kabuli_chr05	7733039	GG	AA	1940323974
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SNP_P1_89667_7733079	NC_021164.1	Ca_kabuli_chr05	7733079	GG	AA	1940323978
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SNP_P1_89669_7733156	NC_021164.1	Ca_kabuli_chr05	7733156	CC	AA	1940323981
SNP_P1_89670_7733477	NC_021164.1	Ca_kabuli_chr05	7733477	TT	CC	1940323983
SNP_P1_89671_7733817	NC_021164.1	Ca_kabuli_chr05	7733817	CC	TT	1940323984
SNP_P1_89672_7733862	NC_021164.1	Ca_kabuli_chr05	7733862	CC	TT	1940323986
SNP_P1_89673_7733966	NC_021164.1	Ca_kabuli_chr05	7733966	TT	GG	1940323988
SNP_P1_89674_7734157	NC_021164.1	Ca_kabuli_chr05	7734157	CC	TT	1940323989
SNP_P1_89675_7734614	NC_021164.1	Ca_kabuli_chr05	7734614	GG	AA	1940323991
SNP_P1_89676_7734626	NC_021164.1	Ca_kabuli_chr05	7734626	TT	CC	1940323993
SNP_P1_89677_7734628	NC_021164.1	Ca_kabuli_chr05	7734628	GG	AA	1940323995
SNP_P1_89678_7734690	NC_021164.1	Ca_kabuli_chr05	7734690	GG	AA	1940323996
SNP_P1_89679_7734693	NC_021164.1	Ca_kabuli_chr05	7734693	AA	TT	1940323998
SNP_P1_89680_7734750	NC_021164.1	Ca_kabuli_chr05	7734750	AA	GG	1940324000
SNP_P1_89681_7734762	NC_021164.1	Ca_kabuli_chr05	7734762	CC	AA	1940324001

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89683_7734981	NC_021164.1	Ca_kabuli_chr05	7734981	GG	AA	1940324005
SNP_P1_89684_7734991	NC_021164.1	Ca_kabuli_chr05	7734991	GG	AA	1940324006
SNP_P1_89685_7734993	NC_021164.1	Ca_kabuli_chr05	7734993	CC	TT	1940324008
SNP_P1_89686_7735085	NC_021164.1	Ca_kabuli_chr05	7735085	CC	TT	1940324010
SNP_P1_89687_7735087	NC_021164.1	Ca_kabuli_chr05	7735087	TT	AA	1940324011
SNP_P1_89688_7735102	NC_021164.1	Ca_kabuli_chr05	7735102	AA	TT	1940324013
SNP_P1_89689_7735161	NC_021164.1	Ca_kabuli_chr05	7735161	CC	TT	1940324015
SNP_P1_89690_7735169	NC_021164.1	Ca_kabuli_chr05	7735169	TT	CC	1940324016
SNP_P1_89691_7735388	NC_021164.1	Ca_kabuli_chr05	7735388	CC	TT	1940324018
SNP_P1_89692_7735408	NC_021164.1	Ca_kabuli_chr05	7735408	AA	GG	1940324020
SNP_P1_89693_7736382	NC_021164.1	Ca_kabuli_chr05	7736382	GG	AA	1940324022
SNP_P1_89694_7736421	NC_021164.1	Ca_kabuli_chr05	7736421	GG	AA	1940324023
SNP_P1_89695_7736444	NC_021164.1	Ca_kabuli_chr05	7736444	CC	AA	1940324025
SNP_P1_89696_7736661	NC_021164.1	Ca_kabuli_chr05	7736661	CC	TT	1940324027
SNP_P1_89697_7736721	NC_021164.1	Ca_kabuli_chr05	7736721	AA	GG	1940324028
SNP_P1_89698_7736738	NC_021164.1	Ca_kabuli_chr05	7736738	AA	GG	1940324030
SNP_P1_89699_7737814	NC_021164.1	Ca_kabuli_chr05	7737814	TT	CC	1940324032
SNP_P1_89700_7737822	NC_021164.1	Ca_kabuli_chr05	7737822	AA	GG	1940324033
SNP_P1_89702_7737849	NC_021164.1	Ca_kabuli_chr05	7737849	GG	AA	1940324035
SNP_P1_89703_7738148	NC_021164.1	Ca_kabuli_chr05	7738148	CC	TT	1940324037
SNP_P1_89704_7738304	NC_021164.1	Ca_kabuli_chr05	7738304	AA	TT	1940324038
SNP_P1_89705_7738306	NC_021164.1	Ca_kabuli_chr05	7738306	GG	AA	1940324040
SNP_P1_89706_7738776	NC_021164.1	Ca_kabuli_chr05	7738776	CC	TT	1940324042
SNP_P1_89707_7739349	NC_021164.1	Ca_kabuli_chr05	7739349	AA	GG	1940324043
SNP_P1_89708_7741697	NC_021164.1	Ca_kabuli_chr05	7741697	TT	GG	1940324045
SNP_P1_89711_7741885	NC_021164.1	Ca_kabuli_chr05	7741885	TT	AA	1940324047
SNP_P1_89712_7741898	NC_021164.1	Ca_kabuli_chr05	7741898	TT	AA	1940324049
SNP_P1_89713_7742768	NC_021164.1	Ca_kabuli_chr05	7742768	GG	CC	1940324050
SNP_P1_89714_7742881	NC_021164.1	Ca_kabuli_chr05	7742881	TT	CC	1940324052
SNP_P1_89715_7742973	NC_021164.1	Ca_kabuli_chr05	7742973	AA	GG	1940324054
SNP_P1_89716_7743746	NC_021164.1	Ca_kabuli_chr05	7743746	AA	TT	1940324055
SNP_P1_89717_7749429	NC_021164.1	Ca_kabuli_chr05	7749429	CC	AA	1940324057
SNP_P1_89718_7749438	NC_021164.1	Ca_kabuli_chr05	7749438	GG	AA	1940324059
SNP_P1_89719_7751583	NC_021164.1	Ca_kabuli_chr05	7751583	TT	AA	1940324060
SNP_P1_89720_7751659	NC_021164.1	Ca_kabuli_chr05	7751659	TT	GG	1940324062
SNP_P1_89721_7751818	NC_021164.1	Ca_kabuli_chr05	7751818	AA	CC	1940324064
SNP_P1_89722_7751934	NC_021164.1	Ca_kabuli_chr05	7751934	CC	TT	1940324065
SNP_P1_89723_7751961	NC_021164.1	Ca_kabuli_chr05	7751961	AA	TT	1940324067
SNP_P1_89724_7752108	NC_021164.1	Ca_kabuli_chr05	7752108	AA	GG	1940324069
SNP_P1_89725_7752256	NC_021164.1	Ca_kabuli_chr05	7752256	GG	AA	1940324070
SNP_P1_89726_7752284	NC_021164.1	Ca_kabuli_chr05	7752284	TT	AA	1940324072

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89728_7752381	NC_021164.1	Ca_kabuli_chr05	7752381	TT	AA	1940324075
SNP_P1_89729_7767476	NC_021164.1	Ca_kabuli_chr05	7767476	AA	TT	1940324077
SNP_P1_89730_7767667	NC_021164.1	Ca_kabuli_chr05	7767667	GG	AA	1940324079
SNP_P1_89732_7768261	NC_021164.1	Ca_kabuli_chr05	7768261	GG	AA	1940324081
SNP_P1_89733_7768291	NC_021164.1	Ca_kabuli_chr05	7768291	CC	TT	1940324082
SNP_P1_89734_7768313	NC_021164.1	Ca_kabuli_chr05	7768313	TT	CC	1940324084
SNP_P1_89735_7768531	NC_021164.1	Ca_kabuli_chr05	7768531	CC	AA	1940324086
SNP_P1_89736_7768572	NC_021164.1	Ca_kabuli_chr05	7768572	AA	GG	1940324087
SNP_P1_89737_7768689	NC_021164.1	Ca_kabuli_chr05	7768689	TT	CC	1940324089
SNP_P1_89738_7768764	NC_021164.1	Ca_kabuli_chr05	7768764	GG	CC	1940324091
SNP_P1_89739_7769528	NC_021164.1	Ca_kabuli_chr05	7769528	CC	TT	1940324092
SNP_P1_89740_7770962	NC_021164.1	Ca_kabuli_chr05	7770962	GG	CC	1940324094
SNP_P1_89741_7770995	NC_021164.1	Ca_kabuli_chr05	7770995	TT	AA	1940324096
SNP_P1_89742_7771005	NC_021164.1	Ca_kabuli_chr05	7771005	AA	GG	1940324097
SNP_P1_89743_7771015	NC_021164.1	Ca_kabuli_chr05	7771015	AA	CC	1940324099
SNP_P1_89744_7771016	NC_021164.1	Ca_kabuli_chr05	7771016	TT	AA	1940324101
SNP_P1_89745_7771017	NC_021164.1	Ca_kabuli_chr05	7771017	TT	AA	1940324102
SNP_P1_89746_7771153	NC_021164.1	Ca_kabuli_chr05	7771153	TT	GG	1940324104
SNP_P1_89747_7771154	NC_021164.1	Ca_kabuli_chr05	7771154	TT	CC	1940324106
SNP_P1_89748_7771176	NC_021164.1	Ca_kabuli_chr05	7771176	GG	AA	1940324107
SNP_P1_89749_7771246	NC_021164.1	Ca_kabuli_chr05	7771246	GG	AA	1940324109
SNP_P1_89750_7771268	NC_021164.1	Ca_kabuli_chr05	7771268	GG	TT	1940324111
SNP_P1_89751_7771547	NC_021164.1	Ca_kabuli_chr05	7771547	CC	AA	1940324113
SNP_P1_89752_7771550	NC_021164.1	Ca_kabuli_chr05	7771550	AA	TT	1940324114
SNP_P1_89753_7771568	NC_021164.1	Ca_kabuli_chr05	7771568	CC	TT	1940324116
SNP_P1_89754_7771579	NC_021164.1	Ca_kabuli_chr05	7771579	AA	CC	1940324118
SNP_P1_89755_7772046	NC_021164.1	Ca_kabuli_chr05	7772046	AA	GG	1940324119
SNP_P1_89756_7772059	NC_021164.1	Ca_kabuli_chr05	7772059	TT	GG	1940324121
SNP_P1_89757_7772243	NC_021164.1	Ca_kabuli_chr05	7772243	CC	AA	1940324123
SNP_P1_89759_7772463	NC_021164.1	Ca_kabuli_chr05	7772463	GG	AA	1940324124
SNP_P1_89760_7772533	NC_021164.1	Ca_kabuli_chr05	7772533	TT	CC	1940324126
SNP_P1_89761_7772597	NC_021164.1	Ca_kabuli_chr05	7772597	TT	CC	1940324128
SNP_P1_89762_7772660	NC_021164.1	Ca_kabuli_chr05	7772660	GG	AA	1940324129
SNP_P1_89763_7772682	NC_021164.1	Ca_kabuli_chr05	7772682	CC	TT	1940324131
SNP_P1_89764_7772708	NC_021164.1	Ca_kabuli_chr05	7772708	GG	AA	1940324133
SNP_P1_89765_7772711	NC_021164.1	Ca_kabuli_chr05	7772711	CC	GG	1940324134
SNP_P1_89766_7772717	NC_021164.1	Ca_kabuli_chr05	7772717	GG	AA	1940324136
SNP_P1_89767_7772766	NC_021164.1	Ca_kabuli_chr05	7772766	CC	TT	1940324138
SNP_P1_89768_7773011	NC_021164.1	Ca_kabuli_chr05	7773011	GG	AA	1940324140
SNP_P1_89769_7773019	NC_021164.1	Ca_kabuli_chr05	7773019	TT	AA	1940324141
SNP_P1_89770_7773160	NC_021164.1	Ca_kabuli_chr05	7773160	GG	TT	1940324143

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89772_7773277	NC_021164.1	Ca_kabuli_chr05	7773277	AA	GG	1940324146
SNP_P1_89773_7773329	NC_021164.1	Ca_kabuli_chr05	7773329	TT	AA	1940324148
SNP_P1_89774_7773427	NC_021164.1	Ca_kabuli_chr05	7773427	CC	TT	1940324150
SNP_P1_89775_7773429	NC_021164.1	Ca_kabuli_chr05	7773429	GG	AA	1940324151
SNP_P1_89776_7773453	NC_021164.1	Ca_kabuli_chr05	7773453	CC	GG	1940324153
SNP_P1_89777_7774464	NC_021164.1	Ca_kabuli_chr05	7774464	AA	CC	1940324155
SNP_P1_89778_7774768	NC_021164.1	Ca_kabuli_chr05	7774768	AA	TT	1940324156
SNP_P1_89779_7774816	NC_021164.1	Ca_kabuli_chr05	7774816	CC	GG	1940324158
SNP_P1_89780_7774913	NC_021164.1	Ca_kabuli_chr05	7774913	CC	AA	1940324160
SNP_P1_89781_7775006	NC_021164.1	Ca_kabuli_chr05	7775006	AA	GG	1940324161
SNP_P1_89782_7775038	NC_021164.1	Ca_kabuli_chr05	7775038	TT	CC	1940324163
SNP_P1_89783_7775055	NC_021164.1	Ca_kabuli_chr05	7775055	GG	AA	1940324165
SNP_P1_89784_7775298	NC_021164.1	Ca_kabuli_chr05	7775298	AA	TT	1940324167
SNP_P1_89785_7775809	NC_021164.1	Ca_kabuli_chr05	7775809	GG	AA	1940324168
SNP_P1_89786_7775860	NC_021164.1	Ca_kabuli_chr05	7775860	GG	CC	1940324170
SNP_P1_89787_7776132	NC_021164.1	Ca_kabuli_chr05	7776132	TT	CC	1940324172
SNP_P1_89788_7776142	NC_021164.1	Ca_kabuli_chr05	7776142	AA	CC	1940324173
SNP_P1_89789_7777280	NC_021164.1	Ca_kabuli_chr05	7777280	GG	TT	1940324175
SNP_P1_89790_7778938	NC_021164.1	Ca_kabuli_chr05	7778938	AA	GG	1940324177
SNP_P1_89791_7779078	NC_021164.1	Ca_kabuli_chr05	7779078	TT	CC	1940324178
SNP_P1_89792_7779091	NC_021164.1	Ca_kabuli_chr05	7779091	CC	TT	1940324180
SNP_P1_89793_7779140	NC_021164.1	Ca_kabuli_chr05	7779140	TT	CC	1940324182
SNP_P1_89794_7781547	NC_021164.1	Ca_kabuli_chr05	7781547	TT	CC	1940324183
SNP_P1_89795_7781824	NC_021164.1	Ca_kabuli_chr05	7781824	TT	AA	1940324185
SNP_P1_89796_7781840	NC_021164.1	Ca_kabuli_chr05	7781840	GG	AA	1940324187
SNP_P1_89797_7781933	NC_021164.1	Ca_kabuli_chr05	7781933	AA	GG	1940324188
SNP_P1_89798_7782612	NC_021164.1	Ca_kabuli_chr05	7782612	CC	TT	1940324190
SNP_P1_89799_7784848	NC_021164.1	Ca_kabuli_chr05	7784848	AA	GG	1940324192
SNP_P1_89800_7784874	NC_021164.1	Ca_kabuli_chr05	7784874	GG	TT	1940324193
SNP_P1_89801_7785052	NC_021164.1	Ca_kabuli_chr05	7785052	GG	CC	1940324195
SNP_P1_89802_7785055	NC_021164.1	Ca_kabuli_chr05	7785055	AA	GG	1940324197
SNP_P1_89803_7786063	NC_021164.1	Ca_kabuli_chr05	7786063	AA	TT	1940324199
SNP_P1_89804_7786095	NC_021164.1	Ca_kabuli_chr05	7786095	CC	TT	1940324200
SNP_P1_89806_7786616	NC_021164.1	Ca_kabuli_chr05	7786616	GG	AA	1940324202
SNP_P1_89808_7787383	NC_021164.1	Ca_kabuli_chr05	7787383	GG	AA	1940324204
SNP_P1_89809_7787455	NC_021164.1	Ca_kabuli_chr05	7787455	GG	AA	1940324205
SNP_P1_89810_7788555	NC_021164.1	Ca_kabuli_chr05	7788555	GG	AA	1940324207
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SNP_P1_89812_7789604	NC_021164.1	Ca_kabuli_chr05	7789604	AA	GG	1940324210
SNP_P1_89813_7789679	NC_021164.1	Ca_kabuli_chr05	7789679	GG	AA	1940324212
SNP_P1_89814_7789695	NC_021164.1	Ca_kabuli_chr05	7789695	AA	GG	1940324214

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89817_7793705	NC_021164.1	Ca_kabuli_chr05	7793705	CC	GG	1940324217
SNP_P1_89818_7793715	NC_021164.1	Ca_kabuli_chr05	7793715	CC	GG	1940324219
SNP_P1_89819_7796372	NC_021164.1	Ca_kabuli_chr05	7796372	CC	TT	1940324220
SNP_P1_89820_7796461	NC_021164.1	Ca_kabuli_chr05	7796461	CC	TT	1940324222
SNP_P1_89821_7796496	NC_021164.1	Ca_kabuli_chr05	7796496	GG	AA	1940324224
SNP_P1_89822_7809135	NC_021164.1	Ca_kabuli_chr05	7809135	GG	AA	1940324225
SNP_P1_89823_7810624	NC_021164.1	Ca_kabuli_chr05	7810624	GG	AA	1940324227
SNP_P1_89824_7810641	NC_021164.1	Ca_kabuli_chr05	7810641	TT	AA	1940324229
SNP_P1_89826_7812332	NC_021164.1	Ca_kabuli_chr05	7812332	CC	GG	1940324231
SNP_P1_89827_7812365	NC_021164.1	Ca_kabuli_chr05	7812365	GG	CC	1940324232
SNP_P1_89828_7812724	NC_021164.1	Ca_kabuli_chr05	7812724	AA	GG	1940324234
SNP_P1_89829_7812831	NC_021164.1	Ca_kabuli_chr05	7812831	AA	GG	1940324236
SNP_P1_89830_7812914	NC_021164.1	Ca_kabuli_chr05	7812914	AA	GG	1940324237
SNP_P1_89832_7828559	NC_021164.1	Ca_kabuli_chr05	7828559	CC	TT	1940324239
SNP_P1_89833_7828566	NC_021164.1	Ca_kabuli_chr05	7828566	GG	TT	1940324241
SNP_P1_89835_7831029	NC_021164.1	Ca_kabuli_chr05	7831029	TT	AA	1940324242
SNP_P1_89836_7831254	NC_021164.1	Ca_kabuli_chr05	7831254	TT	CC	1940324244
SNP_P1_89837_7832408	NC_021164.1	Ca_kabuli_chr05	7832408	GG	TT	1940324246
SNP_P1_89838_7832415	NC_021164.1	Ca_kabuli_chr05	7832415	AA	CC	1940324247
SNP_P1_89839_7832417	NC_021164.1	Ca_kabuli_chr05	7832417	AA	CC	1940324249
SNP_P1_89840_7832419	NC_021164.1	Ca_kabuli_chr05	7832419	AA	CC	1940324251
SNP_P1_89841_7832429	NC_021164.1	Ca_kabuli_chr05	7832429	CC	AA	1940324252
SNP_P1_89842_7832619	NC_021164.1	Ca_kabuli_chr05	7832619	AA	CC	1940324254
SNP_P1_89843_7832651	NC_021164.1	Ca_kabuli_chr05	7832651	TT	CC	1940324256
SNP_P1_89844_7832876	NC_021164.1	Ca_kabuli_chr05	7832876	CC	TT	1940324258
SNP_P1_89845_7833720	NC_021164.1	Ca_kabuli_chr05	7833720	CC	TT	1940324259
SNP_P1_89846_7834470	NC_021164.1	Ca_kabuli_chr05	7834470	TT	AA	1940324261
SNP_P1_89847_7834987	NC_021164.1	Ca_kabuli_chr05	7834987	CC	TT	1940324263
SNP_P1_89848_7835439	NC_021164.1	Ca_kabuli_chr05	7835439	TT	AA	1940324264
SNP_P1_89849_7835462	NC_021164.1	Ca_kabuli_chr05	7835462	GG	AA	1940324266
SNP_P1_89850_7835648	NC_021164.1	Ca_kabuli_chr05	7835648	CC	TT	1940324268
SNP_P1_89851_7835724	NC_021164.1	Ca_kabuli_chr05	7835724	TT	AA	1940324269
SNP_P1_89852_7835847	NC_021164.1	Ca_kabuli_chr05	7835847	AA	CC	1940324271
SNP_P1_89853_7835850	NC_021164.1	Ca_kabuli_chr05	7835850	TT	CC	1940324273
SNP_P1_89854_7835854	NC_021164.1	Ca_kabuli_chr05	7835854	AA	GG	1940324274
SNP_P1_89855_7835875	NC_021164.1	Ca_kabuli_chr05	7835875	AA	GG	1940324276
SNP_P1_89856_7835883	NC_021164.1	Ca_kabuli_chr05	7835883	TT	CC	1940324278
SNP_P1_89858_7836181	NC_021164.1	Ca_kabuli_chr05	7836181	AA	TT	1940324279
SNP_P1_89859_7836202	NC_021164.1	Ca_kabuli_chr05	7836202	AA	CC	1940324281
SNP_P1_89860_7836218	NC_021164.1	Ca_kabuli_chr05	7836218	TT	AA	1940324283
SNP_P1_89862_7838597	NC_021164.1	Ca_kabuli_chr05	7838597	GG	TT	1940324284

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89864_7839190	NC_021164.1	Ca_kabuli_chr05	7839190	CC	TT	1940324288
SNP_P1_89865_7839218	NC_021164.1	Ca_kabuli_chr05	7839218	AA	GG	1940324290
SNP_P1_89866_7839264	NC_021164.1	Ca_kabuli_chr05	7839264	CC	TT	1940324291
SNP_P1_89867_7839458	NC_021164.1	Ca_kabuli_chr05	7839458	TT	CC	1940324293
SNP_P1_89868_7839464	NC_021164.1	Ca_kabuli_chr05	7839464	GG	CC	1940324295
SNP_P1_89869_7840947	NC_021164.1	Ca_kabuli_chr05	7840947	GG	TT	1940324296
SNP_P1_89870_7840957	NC_021164.1	Ca_kabuli_chr05	7840957	GG	AA	1940324298
SNP_P1_89871_7840965	NC_021164.1	Ca_kabuli_chr05	7840965	CC	TT	1940324300
SNP_P1_89872_7841015	NC_021164.1	Ca_kabuli_chr05	7841015	AA	GG	1940324301
SNP_P1_89873_7843261	NC_021164.1	Ca_kabuli_chr05	7843261	TT	AA	1940324303
SNP_P1_89874_7843375	NC_021164.1	Ca_kabuli_chr05	7843375	GG	TT	1940324305
SNP_P1_89875_7843377	NC_021164.1	Ca_kabuli_chr05	7843377	GG	AA	1940324306
SNP_P1_89876_7843382	NC_021164.1	Ca_kabuli_chr05	7843382	TT	CC	1940324308
SNP_P1_89877_7843388	NC_021164.1	Ca_kabuli_chr05	7843388	CC	TT	1940324310
SNP_P1_89878_7843423	NC_021164.1	Ca_kabuli_chr05	7843423	TT	CC	1940324311
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SNP_P1_89882_7844768	NC_021164.1	Ca_kabuli_chr05	7844768	GG	TT	1940324316
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SNP_P1_89885_7845349	NC_021164.1	Ca_kabuli_chr05	7845349	TT	CC	1940324320
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SNP_P1_89887_7845851	NC_021164.1	Ca_kabuli_chr05	7845851	GG	AA	1940324323
SNP_P1_89888_7845869	NC_021164.1	Ca_kabuli_chr05	7845869	TT	CC	1940324325
SNP_P1_89890_7847358	NC_021164.1	Ca_kabuli_chr05	7847358	GG	TT	1940324327
SNP_P1_89891_7850955	NC_021164.1	Ca_kabuli_chr05	7850955	GG	TT	1940324328
SNP_P1_89892_7851105	NC_021164.1	Ca_kabuli_chr05	7851105	CC	AA	1940324330
SNP_P1_89894_7853175	NC_021164.1	Ca_kabuli_chr05	7853175	TT	AA	1940324332
SNP_P1_89895_7853191	NC_021164.1	Ca_kabuli_chr05	7853191	TT	CC	1940324333
SNP_P1_89896_7853301	NC_021164.1	Ca_kabuli_chr05	7853301	TT	CC	1940324335
SNP_P1_89897_7853733	NC_021164.1	Ca_kabuli_chr05	7853733	AA	GG	1940324337
SNP_P1_89898_7858750	NC_021164.1	Ca_kabuli_chr05	7858750	GG	AA	1940324338
SNP_P1_89900_7859575	NC_021164.1	Ca_kabuli_chr05	7859575	TT	CC	1940324340
SNP_P1_89902_7861538	NC_021164.1	Ca_kabuli_chr05	7861538	CC	TT	1940324342
SNP_P1_89905_7862314	NC_021164.1	Ca_kabuli_chr05	7862314	AA	GG	1940324343
SNP_P1_89906_7862337	NC_021164.1	Ca_kabuli_chr05	7862337	GG	CC	1940324345
SNP_P1_89907_7862346	NC_021164.1	Ca_kabuli_chr05	7862346	GG	AA	1940324347
SNP_P1_89908_7862386	NC_021164.1	Ca_kabuli_chr05	7862386	CC	GG	1940324349
SNP_P1_89909_7862387	NC_021164.1	Ca_kabuli_chr05	7862387	GG	TT	1940324350
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SNP_P1_89911_7862615	NC_021164.1	Ca_kabuli_chr05	7862615	CC	TT	1940324354
SNP_P1_89912_7863279	NC_021164.1	Ca_kabuli_chr05	7863279	AA	GG	1940324355

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89914_7863309	NC_021164.1	Ca_kabuli_chr05	7863309	TT	CC	1940324359
SNP_P1_89915_7863346	NC_021164.1	Ca_kabuli_chr05	7863346	CC	TT	1940324360
SNP_P1_89916_7863402	NC_021164.1	Ca_kabuli_chr05	7863402	AA	GG	1940324362
SNP_P1_89917_7863591	NC_021164.1	Ca_kabuli_chr05	7863591	AA	CC	1940324364
SNP_P1_89918_7863633	NC_021164.1	Ca_kabuli_chr05	7863633	TT	GG	1940324365
SNP_P1_89919_7863637	NC_021164.1	Ca_kabuli_chr05	7863637	CC	AA	1940324367
SNP_P1_89920_7863742	NC_021164.1	Ca_kabuli_chr05	7863742	TT	AA	1940324369
SNP_P1_89921_7863796	NC_021164.1	Ca_kabuli_chr05	7863796	CC	TT	1940324370
SNP_P1_89922_7863957	NC_021164.1	Ca_kabuli_chr05	7863957	CC	GG	1940324372
SNP_P1_89925_7865970	NC_021164.1	Ca_kabuli_chr05	7865970	AA	TT	1940324374
SNP_P1_89926_7866123	NC_021164.1	Ca_kabuli_chr05	7866123	CC	TT	1940324376
SNP_P1_89927_7866179	NC_021164.1	Ca_kabuli_chr05	7866179	AA	GG	1940324377
SNP_P1_89929_7866419	NC_021164.1	Ca_kabuli_chr05	7866419	GG	AA	1940324379
SNP_P1_89930_7866427	NC_021164.1	Ca_kabuli_chr05	7866427	AA	GG	1940324381
SNP_P1_89931_7866480	NC_021164.1	Ca_kabuli_chr05	7866480	TT	AA	1940324382
SNP_P1_89932_7866665	NC_021164.1	Ca_kabuli_chr05	7866665	TT	AA	1940324384
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SNP_P1_89938_7867153	NC_021164.1	Ca_kabuli_chr05	7867153	TT	AA	1940324391
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SNP_P1_89940_7867391	NC_021164.1	Ca_kabuli_chr05	7867391	GG	AA	1940324394
SNP_P1_89941_7868754	NC_021164.1	Ca_kabuli_chr05	7868754	CC	TT	1940324396
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SNP_P1_89948_7870085	NC_021164.1	Ca_kabuli_chr05	7870085	CC	TT	1940324406
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SNP_P1_89950_7872313	NC_021164.1	Ca_kabuli_chr05	7872313	GG	AA	1940324409
SNP_P1_89951_7872637	NC_021164.1	Ca_kabuli_chr05	7872637	AA	CC	1940324411
SNP_P1_89952_7873041	NC_021164.1	Ca_kabuli_chr05	7873041	GG	TT	1940324413
SNP_P1_89953_7873769	NC_021164.1	Ca_kabuli_chr05	7873769	CC	TT	1940324414
SNP_P1_89954_7873782	NC_021164.1	Ca_kabuli_chr05	7873782	GG	AA	1940324416
SNP_P1_89955_7873809	NC_021164.1	Ca_kabuli_chr05	7873809	CC	GG	1940324418
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SNP_P1_89958_7874024	NC_021164.1	Ca_kabuli_chr05	7874024	TT	AA	1940324421
SNP_P1_89959_7874038	NC_021164.1	Ca_kabuli_chr05	7874038	CC	TT	1940324423
SNP_P1_89960_7874039	NC_021164.1	Ca_kabuli_chr05	7874039	AA	GG	1940324424
SNP_P1_89961_7874049	NC_021164.1	Ca_kabuli_chr05	7874049	CC	AA	1940324426

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_89963_7874081	NC_021164.1	Ca_kabuli_chr05	7874081	CC	TT	1940324429
SNP_P1_89964_7874448	NC_021164.1	Ca_kabuli_chr05	7874448	AA	TT	1940324431
SNP_P1_89965_7876389	NC_021164.1	Ca_kabuli_chr05	7876389	AA	GG	1940324433
SNP_P1_89966_7876443	NC_021164.1	Ca_kabuli_chr05	7876443	TT	CC	1940324434
SNP_P1_89967_7876456	NC_021164.1	Ca_kabuli_chr05	7876456	TT	CC	1940324436
SNP_P1_89968_7876759	NC_021164.1	Ca_kabuli_chr05	7876759	GG	AA	1940324438
SNP_P1_89969_7876800	NC_021164.1	Ca_kabuli_chr05	7876800	TT	GG	1940324440
SNP_P1_89970_7876821	NC_021164.1	Ca_kabuli_chr05	7876821	AA	CC	1940324441
SNP_P1_89971_7877952	NC_021164.1	Ca_kabuli_chr05	7877952	CC	AA	1940324443
SNP_P1_89972_7877966	NC_021164.1	Ca_kabuli_chr05	7877966	GG	AA	1940324445
SNP_P1_89973_7877980	NC_021164.1	Ca_kabuli_chr05	7877980	AA	GG	1940324446
SNP_P1_89974_7878566	NC_021164.1	Ca_kabuli_chr05	7878566	TT	GG	1940324448
SNP_P1_89975_7878790	NC_021164.1	Ca_kabuli_chr05	7878790	TT	CC	1940324450
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SNP_P1_89978_7879705	NC_021164.1	Ca_kabuli_chr05	7879705	CC	TT	1940324453
SNP_P1_89979_7879997	NC_021164.1	Ca_kabuli_chr05	7879997	TT	CC	1940324455
SNP_P1_89980_7880014	NC_021164.1	Ca_kabuli_chr05	7880014	TT	CC	1940324456
SNP_P1_89981_7883426	NC_021164.1	Ca_kabuli_chr05	7883426	CC	AA	1940324458
SNP_P1_89982_7883488	NC_021164.1	Ca_kabuli_chr05	7883488	CC	AA	1940324460
SNP_P1_89983_7883514	NC_021164.1	Ca_kabuli_chr05	7883514	AA	TT	1940324461
SNP_P1_89984_7883611	NC_021164.1	Ca_kabuli_chr05	7883611	TT	CC	1940324463
SNP_P1_89985_7883690	NC_021164.1	Ca_kabuli_chr05	7883690	TT	CC	1940324465
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SNP_P1_89988_7883907	NC_021164.1	Ca_kabuli_chr05	7883907	TT	CC	1940324468
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SNP_P1_89991_7886571	NC_021164.1	Ca_kabuli_chr05	7886571	AA	CC	1940324472
SNP_P1_89992_7886979	NC_021164.1	Ca_kabuli_chr05	7886979	AA	CC	1940324473
SNP_P1_89994_7887055	NC_021164.1	Ca_kabuli_chr05	7887055	TT	CC	1940324475
SNP_P1_89995_7890061	NC_021164.1	Ca_kabuli_chr05	7890061	CC	TT	1940324477
SNP_P1_89996_7890183	NC_021164.1	Ca_kabuli_chr05	7890183	AA	CC	1940324478
SNP_P1_89997_7890460	NC_021164.1	Ca_kabuli_chr05	7890460	TT	GG	1940324480
SNP_P1_89999_7892705	NC_021164.1	Ca_kabuli_chr05	7892705	GG	CC	1940324482
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SNP_P1_90004_7894862	NC_021164.1	Ca_kabuli_chr05	7894862	GG	AA	1940324490
SNP_P1_90006_7895920	NC_021164.1	Ca_kabuli_chr05	7895920	CC	TT	1940324492
SNP_P1_90007_7896115	NC_021164.1	Ca_kabuli_chr05	7896115	CC	TT	1940324493
SNP_P1_90009_7896335	NC_021164.1	Ca_kabuli_chr05	7896335	TT	GG	1940324495
SNP_P1_90010_7896336	NC_021164.1	Ca_kabuli_chr05	7896336	TT	AA	1940324497

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90013_7898954	NC_021164.1	Ca_kabuli_chr05	7898954	AA	GG	1940324502
SNP_P1_90014_7899117	NC_021164.1	Ca_kabuli_chr05	7899117	TT	CC	1940324504
SNP_P1_90015_7900118	NC_021164.1	Ca_kabuli_chr05	7900118	TT	AA	1940324505
SNP_P1_90016_7901053	NC_021164.1	Ca_kabuli_chr05	7901053	GG	CC	1940324507
SNP_P1_90017_7903310	NC_021164.1	Ca_kabuli_chr05	7903310	TT	AA	1940324509
SNP_P1_90018_7903434	NC_021164.1	Ca_kabuli_chr05	7903434	GG	AA	1940324510
SNP_P1_90019_7903538	NC_021164.1	Ca_kabuli_chr05	7903538	AA	TT	1940324512
SNP_P1_90020_7903548	NC_021164.1	Ca_kabuli_chr05	7903548	TT	CC	1940324514
SNP_P1_90021_7903612	NC_021164.1	Ca_kabuli_chr05	7903612	CC	AA	1940324515
SNP_P1_90022_7903645	NC_021164.1	Ca_kabuli_chr05	7903645	TT	CC	1940324517
SNP_P1_90023_7903670	NC_021164.1	Ca_kabuli_chr05	7903670	AA	CC	1940324519
SNP_P1_90024_7903848	NC_021164.1	Ca_kabuli_chr05	7903848	GG	CC	1940324520
SNP_P1_90025_7903872	NC_021164.1	Ca_kabuli_chr05	7903872	CC	TT	1940324522
SNP_P1_90026_7905072	NC_021164.1	Ca_kabuli_chr05	7905072	TT	CC	1940324524
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SNP_P1_90028_7907886	NC_021164.1	Ca_kabuli_chr05	7907886	GG	AA	1940324527
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SNP_P1_90030_7908127	NC_021164.1	Ca_kabuli_chr05	7908127	AA	GG	1940324530
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SNP_P1_90032_7909066	NC_021164.1	Ca_kabuli_chr05	7909066	TT	AA	1940324534
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SNP_P1_90034_7909179	NC_021164.1	Ca_kabuli_chr05	7909179	GG	AA	1940324537
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SNP_P1_90040_7910567	NC_021164.1	Ca_kabuli_chr05	7910567	TT	GG	1940324547
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SNP_P1_90042_7910594	NC_021164.1	Ca_kabuli_chr05	7910594	CC	TT	1940324551
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SNP_P1_90045_7910888	NC_021164.1	Ca_kabuli_chr05	7910888	CC	GG	1940324554
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SNP_P1_90048_7911794	NC_021164.1	Ca_kabuli_chr05	7911794	AA	CC	1940324559
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SNP_P1_90051_7911822	NC_021164.1	Ca_kabuli_chr05	7911822	GG	AA	1940324564
SNP_P1_90052_7911913	NC_021164.1	Ca_kabuli_chr05	7911913	GG	AA	1940324566
SNP_P1_90053_7911932	NC_021164.1	Ca_kabuli_chr05	7911932	GG	TT	1940324568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90056_7911955	NC_021164.1	Ca_kabuli_chr05	7911955	CC	TT	1940324573
SNP_P1_90057_7912015	NC_021164.1	Ca_kabuli_chr05	7912015	CC	GG	1940324574
SNP_P1_90058_7912049	NC_021164.1	Ca_kabuli_chr05	7912049	GG	TT	1940324576
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SNP_P1_90060_7912073	NC_021164.1	Ca_kabuli_chr05	7912073	AA	GG	1940324579
SNP_P1_90061_7912092	NC_021164.1	Ca_kabuli_chr05	7912092	AA	GG	1940324581
SNP_P1_90062_7912150	NC_021164.1	Ca_kabuli_chr05	7912150	AA	CC	1940324583
SNP_P1_90063_7912201	NC_021164.1	Ca_kabuli_chr05	7912201	GG	AA	1940324584
SNP_P1_90064_7912226	NC_021164.1	Ca_kabuli_chr05	7912226	CC	TT	1940324586
SNP_P1_90065_7912265	NC_021164.1	Ca_kabuli_chr05	7912265	GG	CC	1940324588
SNP_P1_90066_7912324	NC_021164.1	Ca_kabuli_chr05	7912324	GG	TT	1940324589
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SNP_P1_90068_7912361	NC_021164.1	Ca_kabuli_chr05	7912361	CC	TT	1940324593
SNP_P1_90069_7912364	NC_021164.1	Ca_kabuli_chr05	7912364	GG	AA	1940324594
SNP_P1_90070_7912370	NC_021164.1	Ca_kabuli_chr05	7912370	AA	GG	1940324596
SNP_P1_90071_7912381	NC_021164.1	Ca_kabuli_chr05	7912381	TT	CC	1940324598
SNP_P1_90073_7913121	NC_021164.1	Ca_kabuli_chr05	7913121	AA	GG	1940324600
SNP_P1_90074_7913138	NC_021164.1	Ca_kabuli_chr05	7913138	TT	GG	1940324601
SNP_P1_90075_7913204	NC_021164.1	Ca_kabuli_chr05	7913204	AA	GG	1940324603
SNP_P1_90076_7913362	NC_021164.1	Ca_kabuli_chr05	7913362	AA	GG	1940324605
SNP_P1_90077_7913376	NC_021164.1	Ca_kabuli_chr05	7913376	CC	TT	1940324606
SNP_P1_90078_7913387	NC_021164.1	Ca_kabuli_chr05	7913387	TT	AA	1940324608
SNP_P1_90079_7913665	NC_021164.1	Ca_kabuli_chr05	7913665	AA	TT	1940324610
SNP_P1_90080_7913822	NC_021164.1	Ca_kabuli_chr05	7913822	TT	CC	1940324611
SNP_P1_90081_7913831	NC_021164.1	Ca_kabuli_chr05	7913831	TT	CC	1940324613
SNP_P1_90082_7913878	NC_021164.1	Ca_kabuli_chr05	7913878	TT	AA	1940324615
SNP_P1_90083_7913886	NC_021164.1	Ca_kabuli_chr05	7913886	GG	TT	1940324616
SNP_P1_90084_7913895	NC_021164.1	Ca_kabuli_chr05	7913895	AA	GG	1940324618
SNP_P1_90085_7914081	NC_021164.1	Ca_kabuli_chr05	7914081	GG	CC	1940324620
SNP_P1_90086_7914082	NC_021164.1	Ca_kabuli_chr05	7914082	TT	CC	1940324621
SNP_P1_90087_7914116	NC_021164.1	Ca_kabuli_chr05	7914116	CC	TT	1940324623
SNP_P1_90088_7914122	NC_021164.1	Ca_kabuli_chr05	7914122	TT	CC	1940324625
SNP_P1_90089_7914124	NC_021164.1	Ca_kabuli_chr05	7914124	GG	AA	1940324626
SNP_P1_90090_7914161	NC_021164.1	Ca_kabuli_chr05	7914161	AA	GG	1940324628
SNP_P1_90091_7914456	NC_021164.1	Ca_kabuli_chr05	7914456	AA	GG	1940324630
SNP_P1_90092_7914460	NC_021164.1	Ca_kabuli_chr05	7914460	CC	TT	1940324631
SNP_P1_90093_7914475	NC_021164.1	Ca_kabuli_chr05	7914475	GG	AA	1940324633
SNP_P1_90094_7914517	NC_021164.1	Ca_kabuli_chr05	7914517	TT	CC	1940324635
SNP_P1_90095_7914783	NC_021164.1	Ca_kabuli_chr05	7914783	CC	TT	1940324637
SNP_P1_90096_7914796	NC_021164.1	Ca_kabuli_chr05	7914796	AA	GG	1940324638

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90098_7914820	NC_021164.1	Ca_kabuli_chr05	7914820	TT	GG	1940324642
SNP_P1_90099_7914927	NC_021164.1	Ca_kabuli_chr05	7914927	TT	CC	1940324643
SNP_P1_90101_7915217	NC_021164.1	Ca_kabuli_chr05	7915217	TT	CC	1940324645
SNP_P1_90103_7915947	NC_021164.1	Ca_kabuli_chr05	7915947	CC	TT	1940324647
SNP_P1_90104_7915966	NC_021164.1	Ca_kabuli_chr05	7915966	GG	AA	1940324648
SNP_P1_90106_7915998	NC_021164.1	Ca_kabuli_chr05	7915998	TT	CC	1940324650
SNP_P1_90107_7916256	NC_021164.1	Ca_kabuli_chr05	7916256	CC	AA	1940324652
SNP_P1_90108_7916614	NC_021164.1	Ca_kabuli_chr05	7916614	TT	AA	1940324653
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SNP_P1_90110_7916799	NC_021164.1	Ca_kabuli_chr05	7916799	GG	AA	1940324657
SNP_P1_90111_7916805	NC_021164.1	Ca_kabuli_chr05	7916805	GG	AA	1940324658
SNP_P1_90112_7916865	NC_021164.1	Ca_kabuli_chr05	7916865	TT	CC	1940324660
SNP_P1_90113_7916966	NC_021164.1	Ca_kabuli_chr05	7916966	CC	TT	1940324662
SNP_P1_90114_7916975	NC_021164.1	Ca_kabuli_chr05	7916975	TT	CC	1940324663
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SNP_P1_90117_7917633	NC_021164.1	Ca_kabuli_chr05	7917633	TT	CC	1940324669
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SNP_P1_90121_7918593	NC_021164.1	Ca_kabuli_chr05	7918593	GG	AA	1940324672
SNP_P1_90122_7918595	NC_021164.1	Ca_kabuli_chr05	7918595	GG	AA	1940324674
SNP_P1_90123_7929793	NC_021164.1	Ca_kabuli_chr05	7929793	AA	CC	1940324675
SNP_P1_90124_7930070	NC_021164.1	Ca_kabuli_chr05	7930070	GG	AA	1940324677
SNP_P1_90125_7930096	NC_021164.1	Ca_kabuli_chr05	7930096	AA	GG	1940324679
SNP_P1_90127_7937594	NC_021164.1	Ca_kabuli_chr05	7937594	CC	AA	1940324680
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SNP_P1_90132_7941580	NC_021164.1	Ca_kabuli_chr05	7941580	CC	TT	1940324687
SNP_P1_90133_7941646	NC_021164.1	Ca_kabuli_chr05	7941646	GG	AA	1940324689
SNP_P1_90134_7941647	NC_021164.1	Ca_kabuli_chr05	7941647	GG	AA	1940324690
SNP_P1_90135_7941677	NC_021164.1	Ca_kabuli_chr05	7941677	CC	TT	1940324692
SNP_P1_90136_7941698	NC_021164.1	Ca_kabuli_chr05	7941698	AA	GG	1940324694
SNP_P1_90137_7941710	NC_021164.1	Ca_kabuli_chr05	7941710	AA	GG	1940324695
SNP_P1_90138_7941712	NC_021164.1	Ca_kabuli_chr05	7941712	GG	TT	1940324697
SNP_P1_90139_7941713	NC_021164.1	Ca_kabuli_chr05	7941713	CC	TT	1940324699
SNP_P1_90140_7941881	NC_021164.1	Ca_kabuli_chr05	7941881	AA	GG	1940324701
SNP_P1_90141_7941907	NC_021164.1	Ca_kabuli_chr05	7941907	GG	TT	1940324702
SNP_P1_90142_7951281	NC_021164.1	Ca_kabuli_chr05	7951281	TT	CC	1940324704
SNP_P1_90143_7951283	NC_021164.1	Ca_kabuli_chr05	7951283	GG	AA	1940324706
SNP_P1_90144_7951624	NC_021164.1	Ca_kabuli_chr05	7951624	AA	GG	1940324707
SNP_P1_90145_7951626	NC_021164.1	Ca_kabuli_chr05	7951626	TT	CC	1940324709

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90147_7951685	NC_021164.1	Ca_kabuli_chr05	7951685	CC	AA	1940324712
SNP_P1_90148_7951734	NC_021164.1	Ca_kabuli_chr05	7951734	CC	TT	1940324714
SNP_P1_90149_7951762	NC_021164.1	Ca_kabuli_chr05	7951762	TT	AA	1940324716
SNP_P1_90150_7951766	NC_021164.1	Ca_kabuli_chr05	7951766	GG	CC	1940324717
SNP_P1_90151_7951781	NC_021164.1	Ca_kabuli_chr05	7951781	CC	TT	1940324719
SNP_P1_90152_7951803	NC_021164.1	Ca_kabuli_chr05	7951803	AA	GG	1940324721
SNP_P1_90154_7952674	NC_021164.1	Ca_kabuli_chr05	7952674	TT	CC	1940324722
SNP_P1_90155_7953261	NC_021164.1	Ca_kabuli_chr05	7953261	TT	GG	1940324724
SNP_P1_90156_7953518	NC_021164.1	Ca_kabuli_chr05	7953518	CC	TT	1940324726
SNP_P1_90157_7953532	NC_021164.1	Ca_kabuli_chr05	7953532	AA	TT	1940324728
SNP_P1_90158_7953563	NC_021164.1	Ca_kabuli_chr05	7953563	TT	CC	1940324729
SNP_P1_90159_7953576	NC_021164.1	Ca_kabuli_chr05	7953576	CC	GG	1940324731
SNP_P1_90160_7953701	NC_021164.1	Ca_kabuli_chr05	7953701	TT	GG	1940324733
SNP_P1_90161_7953719	NC_021164.1	Ca_kabuli_chr05	7953719	CC	TT	1940324734
SNP_P1_90162_7953815	NC_021164.1	Ca_kabuli_chr05	7953815	CC	TT	1940324736
SNP_P1_90164_7953837	NC_021164.1	Ca_kabuli_chr05	7953837	AA	GG	1940324738
SNP_P1_90165_7953889	NC_021164.1	Ca_kabuli_chr05	7953889	GG	CC	1940324739
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SNP_P1_90168_7956782	NC_021164.1	Ca_kabuli_chr05	7956782	CC	TT	1940324744
SNP_P1_90169_7956794	NC_021164.1	Ca_kabuli_chr05	7956794	TT	CC	1940324746
SNP_P1_90170_7957377	NC_021164.1	Ca_kabuli_chr05	7957377	CC	TT	1940324748
SNP_P1_90171_7957656	NC_021164.1	Ca_kabuli_chr05	7957656	CC	TT	1940324749
SNP_P1_90173_7957722	NC_021164.1	Ca_kabuli_chr05	7957722	CC	TT	1940324751
SNP_P1_90174_7957731	NC_021164.1	Ca_kabuli_chr05	7957731	AA	GG	1940324753
SNP_P1_90175_7957789	NC_021164.1	Ca_kabuli_chr05	7957789	AA	GG	1940324754
SNP_P1_90176_7958490	NC_021164.1	Ca_kabuli_chr05	7958490	CC	TT	1940324756
SNP_P1_90177_7963096	NC_021164.1	Ca_kabuli_chr05	7963096	AA	GG	1940324758
SNP_P1_90178_7963162	NC_021164.1	Ca_kabuli_chr05	7963162	CC	AA	1940324759
SNP_P1_90179_7963190	NC_021164.1	Ca_kabuli_chr05	7963190	AA	TT	1940324761
SNP_P1_90180_7963351	NC_021164.1	Ca_kabuli_chr05	7963351	AA	GG	1940324763
SNP_P1_90181_7963397	NC_021164.1	Ca_kabuli_chr05	7963397	TT	CC	1940324765
SNP_P1_90182_7963403	NC_021164.1	Ca_kabuli_chr05	7963403	CC	TT	1940324766
SNP_P1_90183_7963448	NC_021164.1	Ca_kabuli_chr05	7963448	GG	AA	1940324768
SNP_P1_90184_7963474	NC_021164.1	Ca_kabuli_chr05	7963474	TT	CC	1940324770
SNP_P1_90185_7963829	NC_021164.1	Ca_kabuli_chr05	7963829	AA	TT	1940324771
SNP_P1_90186_7963836	NC_021164.1	Ca_kabuli_chr05	7963836	CC	TT	1940324773
SNP_P1_90188_7964816	NC_021164.1	Ca_kabuli_chr05	7964816	AA	CC	1940324775
SNP_P1_90189_7964851	NC_021164.1	Ca_kabuli_chr05	7964851	CC	TT	1940324776
SNP_P1_90190_7965046	NC_021164.1	Ca_kabuli_chr05	7965046	TT	CC	1940324778
SNP_P1_90191_7965067	NC_021164.1	Ca_kabuli_chr05	7965067	AA	TT	1940324780

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90195_7965842	NC_021164.1	Ca_kabuli_chr05	7965842	TT	CC	1940324785
SNP_P1_90196_7966021	NC_021164.1	Ca_kabuli_chr05	7966021	TT	GG	1940324786
SNP_P1_90197_7966051	NC_021164.1	Ca_kabuli_chr05	7966051	CC	AA	1940324788
SNP_P1_90198_7966299	NC_021164.1	Ca_kabuli_chr05	7966299	GG	AA	1940324790
SNP_P1_90199_7966346	NC_021164.1	Ca_kabuli_chr05	7966346	TT	CC	1940324791
SNP_P1_90200_7966371	NC_021164.1	Ca_kabuli_chr05	7966371	TT	AA	1940324793
SNP_P1_90201_7966426	NC_021164.1	Ca_kabuli_chr05	7966426	CC	AA	1940324795
SNP_P1_90202_7966585	NC_021164.1	Ca_kabuli_chr05	7966585	GG	AA	1940324797
SNP_P1_90204_7967170	NC_021164.1	Ca_kabuli_chr05	7967170	TT	CC	1940324798
SNP_P1_90205_7967433	NC_021164.1	Ca_kabuli_chr05	7967433	CC	TT	1940324800
SNP_P1_90206_7967485	NC_021164.1	Ca_kabuli_chr05	7967485	CC	AA	1940324802
SNP_P1_90208_7967537	NC_021164.1	Ca_kabuli_chr05	7967537	CC	TT	1940324803
SNP_P1_90209_7967576	NC_021164.1	Ca_kabuli_chr05	7967576	AA	GG	1940324805
SNP_P1_90210_7967583	NC_021164.1	Ca_kabuli_chr05	7967583	CC	GG	1940324807
SNP_P1_90212_7968030	NC_021164.1	Ca_kabuli_chr05	7968030	AA	GG	1940324808
SNP_P1_90213_7968068	NC_021164.1	Ca_kabuli_chr05	7968068	TT	GG	1940324810
SNP_P1_90214_7968071	NC_021164.1	Ca_kabuli_chr05	7968071	AA	GG	1940324812
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SNP_P1_90216_7968265	NC_021164.1	Ca_kabuli_chr05	7968265	CC	AA	1940324815
SNP_P1_90217_7968300	NC_021164.1	Ca_kabuli_chr05	7968300	AA	GG	1940324817
SNP_P1_90218_7968341	NC_021164.1	Ca_kabuli_chr05	7968341	TT	CC	1940324818
SNP_P1_90219_7968936	NC_021164.1	Ca_kabuli_chr05	7968936	CC	TT	1940324820
SNP_P1_90221_7970034	NC_021164.1	Ca_kabuli_chr05	7970034	CC	TT	1940324822
SNP_P1_90222_7970228	NC_021164.1	Ca_kabuli_chr05	7970228	GG	AA	1940324823
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SNP_P1_90224_7970781	NC_021164.1	Ca_kabuli_chr05	7970781	GG	AA	1940324827
SNP_P1_90225_7970791	NC_021164.1	Ca_kabuli_chr05	7970791	GG	AA	1940324828
SNP_P1_90226_7971561	NC_021164.1	Ca_kabuli_chr05	7971561	AA	CC	1940324830
SNP_P1_90227_7971720	NC_021164.1	Ca_kabuli_chr05	7971720	TT	GG	1940324832
SNP_P1_90229_7972028	NC_021164.1	Ca_kabuli_chr05	7972028	GG	AA	1940324834
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SNP_P1_90234_7973252	NC_021164.1	Ca_kabuli_chr05	7973252	GG	AA	1940324842
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SNP_P1_90236_7973868	NC_021164.1	Ca_kabuli_chr05	7973868	CC	TT	1940324845
SNP_P1_90237_7974095	NC_021164.1	Ca_kabuli_chr05	7974095	TT	CC	1940324847
SNP_P1_90238_7974103	NC_021164.1	Ca_kabuli_chr05	7974103	AA	GG	1940324849
SNP_P1_90239_7974206	NC_021164.1	Ca_kabuli_chr05	7974206	GG	AA	1940324850

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90242_7974287	NC_021164.1	Ca_kabuli_chr05	7974287	AA	GG	1940324855
SNP_P1_90243_7974510	NC_021164.1	Ca_kabuli_chr05	7974510	GG	AA	1940324857
SNP_P1_90244_7974886	NC_021164.1	Ca_kabuli_chr05	7974886	GG	TT	1940324859
SNP_P1_90245_7975917	NC_021164.1	Ca_kabuli_chr05	7975917	GG	AA	1940324860
SNP_P1_90246_7976556	NC_021164.1	Ca_kabuli_chr05	7976556	TT	CC	1940324862
SNP_P1_90247_7976638	NC_021164.1	Ca_kabuli_chr05	7976638	TT	CC	1940324864
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SNP_P1_90249_7976860	NC_021164.1	Ca_kabuli_chr05	7976860	AA	GG	1940324867
SNP_P1_90251_7978146	NC_021164.1	Ca_kabuli_chr05	7978146	GG	AA	1940324869
SNP_P1_90253_7979123	NC_021164.1	Ca_kabuli_chr05	7979123	AA	GG	1940324871
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SNP_P1_90255_7980952	NC_021164.1	Ca_kabuli_chr05	7980952	AA	TT	1940324874
SNP_P1_90256_7980964	NC_021164.1	Ca_kabuli_chr05	7980964	CC	AA	1940324876
SNP_P1_90257_7981179	NC_021164.1	Ca_kabuli_chr05	7981179	GG	AA	1940324877
SNP_P1_90258_7981389	NC_021164.1	Ca_kabuli_chr05	7981389	AA	GG	1940324879
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SNP_P1_90260_7981496	NC_021164.1	Ca_kabuli_chr05	7981496	CC	TT	1940324882
SNP_P1_90261_7982039	NC_021164.1	Ca_kabuli_chr05	7982039	AA	GG	1940324884
SNP_P1_90263_7982270	NC_021164.1	Ca_kabuli_chr05	7982270	GG	AA	1940324886
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SNP_P1_90266_7983210	NC_021164.1	Ca_kabuli_chr05	7983210	CC	TT	1940324889
SNP_P1_90267_7983267	NC_021164.1	Ca_kabuli_chr05	7983267	AA	TT	1940324891
SNP_P1_90268_7983498	NC_021164.1	Ca_kabuli_chr05	7983498	AA	GG	1940324892
SNP_P1_90269_7983507	NC_021164.1	Ca_kabuli_chr05	7983507	TT	CC	1940324894
SNP_P1_90270_7983548	NC_021164.1	Ca_kabuli_chr05	7983548	AA	GG	1940324896
SNP_P1_90271_7984062	NC_021164.1	Ca_kabuli_chr05	7984062	AA	GG	1940324897
SNP_P1_90272_7984160	NC_021164.1	Ca_kabuli_chr05	7984160	TT	CC	1940324899
SNP_P1_90273_7984291	NC_021164.1	Ca_kabuli_chr05	7984291	CC	TT	1940324901
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SNP_P1_90276_7984620	NC_021164.1	Ca_kabuli_chr05	7984620	AA	GG	1940324906
SNP_P1_90277_7984752	NC_021164.1	Ca_kabuli_chr05	7984752	GG	TT	1940324908
SNP_P1_90278_7985813	NC_021164.1	Ca_kabuli_chr05	7985813	GG	CC	1940324909
SNP_P1_90279_7986231	NC_021164.1	Ca_kabuli_chr05	7986231	TT	CC	1940324911
SNP_P1_90280_7986232	NC_021164.1	Ca_kabuli_chr05	7986232	TT	CC	1940324913
SNP_P1_90281_7986268	NC_021164.1	Ca_kabuli_chr05	7986268	GG	TT	1940324914
SNP_P1_90282_7986547	NC_021164.1	Ca_kabuli_chr05	7986547	CC	AA	1940324916
SNP_P1_90283_7987108	NC_021164.1	Ca_kabuli_chr05	7987108	GG	CC	1940324918
SNP_P1_90284_7987112	NC_021164.1	Ca_kabuli_chr05	7987112	CC	TT	1940324919
SNP_P1_90285_7987418	NC_021164.1	Ca_kabuli_chr05	7987418	GG	TT	1940324921

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_90286_7987431	NC_021164.1	Ca_kabuli_chr05	7987431	TT	CC	1940324923
SNP_P1_90287_7987843	NC_021164.1	Ca_kabuli_chr05	7987843	GG	CC	1940324924
SNP_P1_90288_7988765	NC_021164.1	Ca_kabuli_chr05	7988765	CC	AA	1940324926
SNP_P1_90289_7988767	NC_021164.1	Ca_kabuli_chr05	7988767	AA	GG	1940324928
SNP_P1_90290_7988796	NC_021164.1	Ca_kabuli_chr05	7988796	CC	TT	1940324929
SNP_P1_90291_7988829	NC_021164.1	Ca_kabuli_chr05	7988829	TT	CC	1940324931
SNP_P1_90292_7988831	NC_021164.1	Ca_kabuli_chr05	7988831	GG	AA	1940324933
SNP_P1_90293_7988977	NC_021164.1	Ca_kabuli_chr05	7988977	TT	GG	1940324934
SNP_P1_90294_7989158	NC_021164.1	Ca_kabuli_chr05	7989158	GG	AA	1940324936
SNP_P1_90295_7989344	NC_021164.1	Ca_kabuli_chr05	7989344	GG	TT	1940324938
SNP_P1_90296_7989544	NC_021164.1	Ca_kabuli_chr05	7989544	AA	CC	1940324940
SNP_P1_90297_7989773	NC_021164.1	Ca_kabuli_chr05	7989773	GG	TT	1940324941
SNP_P1_90298_7989830	NC_021164.1	Ca_kabuli_chr05	7989830	CC	TT	1940324943
SNP_P1_90299_7989832	NC_021164.1	Ca_kabuli_chr05	7989832	TT	CC	1940324945
SNP_P1_90300_7989885	NC_021164.1	Ca_kabuli_chr05	7989885	GG	AA	1940324946
SNP_P1_90301_7990101	NC_021164.1	Ca_kabuli_chr05	7990101	TT	CC	1940324948
SNP_P1_90302_7990149	NC_021164.1	Ca_kabuli_chr05	7990149	CC	TT	1940324950
SNP_P1_90303_7990444	NC_021164.1	Ca_kabuli_chr05	7990444	CC	TT	1940324951
SNP_P1_90304_7990495	NC_021164.1	Ca_kabuli_chr05	7990495	GG	AA	1940324953
SNP_P1_90305_7990532	NC_021164.1	Ca_kabuli_chr05	7990532	CC	TT	1940324955
SNP_P1_90306_7990540	NC_021164.1	Ca_kabuli_chr05	7990540	GG	TT	1940324956
SNP_P1_90307_7990552	NC_021164.1	Ca_kabuli_chr05	7990552	AA	TT	1940324958
SNP_P1_90308_7990554	NC_021164.1	Ca_kabuli_chr05	7990554	TT	CC	1940324960
SNP_P1_90309_7990575	NC_021164.1	Ca_kabuli_chr05	7990575	TT	CC	1940324961
SNP_P1_90310_7990708	NC_021164.1	Ca_kabuli_chr05	7990708	TT	GG	1940324963
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SNP_P1_90314_7990898	NC_021164.1	Ca_kabuli_chr05	7990898	TT	AA	1940324968
SNP_P1_90315_7990956	NC_021164.1	Ca_kabuli_chr05	7990956	GG	AA	1940324970
SNP_P1_90316_7991039	NC_021164.1	Ca_kabuli_chr05	7991039	TT	CC	1940324971
SNP_P1_90317_7991077	NC_021164.1	Ca_kabuli_chr05	7991077	CC	TT	1940324973
SNP_P1_90318_7991139	NC_021164.1	Ca_kabuli_chr05	7991139	GG	AA	1940324975
SNP_P1_90319_7991196	NC_021164.1	Ca_kabuli_chr05	7991196	AA	GG	1940324977
SNP_P1_90320_7991362	NC_021164.1	Ca_kabuli_chr05	7991362	AA	GG	1940324978
SNP_P1_90321_7991492	NC_021164.1	Ca_kabuli_chr05	7991492	AA	GG	1940324980
SNP_P1_90322_7991665	NC_021164.1	Ca_kabuli_chr05	7991665	AA	GG	1940324982
SNP_P1_90323_7991909	NC_021164.1	Ca_kabuli_chr05	7991909	TT	CC	1940324983
SNP_P1_90324_7991970	NC_021164.1	Ca_kabuli_chr05	7991970	TT	CC	1940324985
SNP_P1_90325_7992070	NC_021164.1	Ca_kabuli_chr05	7992070	AA	GG	1940324987
SNP_P1_90326_7992127	NC_021164.1	Ca_kabuli_chr05	7992127	TT	CC	1940324988
SNP_P1_90327_7992248	NC_021164.1	Ca_kabuli_chr05	7992248	AA	TT	1940324990
SNP_P1_90328_7992288	NC_021164.1	Ca_kabuli_chr05	7992288	TT	AA	1940324992

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90331_7992784	NC_021164.1	Ca_kabuli_chr05	7992784	CC	TT	1940324995
SNP_P1_90332_7992843	NC_021164.1	Ca_kabuli_chr05	7992843	GG	AA	1940324997
SNP_P1_90333_7993121	NC_021164.1	Ca_kabuli_chr05	7993121	CC	AA	1940324998
SNP_P1_90334_7993521	NC_021164.1	Ca_kabuli_chr05	7993521	TT	AA	1940325000
SNP_P1_90335_7993529	NC_021164.1	Ca_kabuli_chr05	7993529	GG	AA	1940325002
SNP_P1_90336_7993999	NC_021164.1	Ca_kabuli_chr05	7993999	GG	AA	1940325003
SNP_P1_90337_7994046	NC_021164.1	Ca_kabuli_chr05	7994046	GG	CC	1940325005
SNP_P1_90338_7994091	NC_021164.1	Ca_kabuli_chr05	7994091	AA	CC	1940325007
SNP_P1_90339_7994449	NC_021164.1	Ca_kabuli_chr05	7994449	CC	AA	1940325009
SNP_P1_90340_7998865	NC_021164.1	Ca_kabuli_chr05	7998865	TT	CC	1940325010
SNP_P1_90341_8000732	NC_021164.1	Ca_kabuli_chr05	8000732	AA	CC	1940325012
SNP_P1_90342_8000951	NC_021164.1	Ca_kabuli_chr05	8000951	CC	TT	1940325014
SNP_P1_90343_8001062	NC_021164.1	Ca_kabuli_chr05	8001062	TT	CC	1940325015
SNP_P1_90344_8001203	NC_021164.1	Ca_kabuli_chr05	8001203	AA	GG	1940325017
SNP_P1_90345_8001212	NC_021164.1	Ca_kabuli_chr05	8001212	AA	CC	1940325019
SNP_P1_90346_8001231	NC_021164.1	Ca_kabuli_chr05	8001231	CC	TT	1940325020
SNP_P1_90347_8001232	NC_021164.1	Ca_kabuli_chr05	8001232	AA	GG	1940325022
SNP_P1_90348_8001255	NC_021164.1	Ca_kabuli_chr05	8001255	AA	GG	1940325024
SNP_P1_90350_8002073	NC_021164.1	Ca_kabuli_chr05	8002073	TT	AA	1940325025
SNP_P1_90351_8002897	NC_021164.1	Ca_kabuli_chr05	8002897	TT	CC	1940325027
SNP_P1_90352_8003320	NC_021164.1	Ca_kabuli_chr05	8003320	TT	CC	1940325029
SNP_P1_90353_8003483	NC_021164.1	Ca_kabuli_chr05	8003483	TT	CC	1940325030
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SNP_P1_90355_8003828	NC_021164.1	Ca_kabuli_chr05	8003828	GG	TT	1940325034
SNP_P1_90356_8004986	NC_021164.1	Ca_kabuli_chr05	8004986	AA	GG	1940325035
SNP_P1_90357_8005332	NC_021164.1	Ca_kabuli_chr05	8005332	AA	GG	1940325037
SNP_P1_90358_8005337	NC_021164.1	Ca_kabuli_chr05	8005337	CC	TT	1940325039
SNP_P1_90359_8005350	NC_021164.1	Ca_kabuli_chr05	8005350	TT	CC	1940325040
SNP_P1_90360_8005353	NC_021164.1	Ca_kabuli_chr05	8005353	GG	TT	1940325042
SNP_P1_90361_8005635	NC_021164.1	Ca_kabuli_chr05	8005635	CC	GG	1940325044
SNP_P1_90362_8010653	NC_021164.1	Ca_kabuli_chr05	8010653	AA	GG	1940325046
SNP_P1_90363_8013542	NC_021164.1	Ca_kabuli_chr05	8013542	TT	CC	1940325047
SNP_P1_90364_8013565	NC_021164.1	Ca_kabuli_chr05	8013565	TT	CC	1940325049
SNP_P1_90365_8015285	NC_021164.1	Ca_kabuli_chr05	8015285	GG	AA	1940325051
SNP_P1_90366_8016947	NC_021164.1	Ca_kabuli_chr05	8016947	AA	CC	1940325052
SNP_P1_90367_8016969	NC_021164.1	Ca_kabuli_chr05	8016969	CC	TT	1940325054
SNP_P1_90368_8017656	NC_021164.1	Ca_kabuli_chr05	8017656	TT	CC	1940325056
SNP_P1_90369_8017692	NC_021164.1	Ca_kabuli_chr05	8017692	AA	TT	1940325057
SNP_P1_90370_8017693	NC_021164.1	Ca_kabuli_chr05	8017693	TT	CC	1940325059
SNP_P1_90371_8017937	NC_021164.1	Ca_kabuli_chr05	8017937	CC	TT	1940325061
SNP_P1_90372_8018008	NC_021164.1	Ca_kabuli_chr05	8018008	CC	TT	1940325062

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90374_8018043	NC_021164.1	Ca_kabuli_chr05	8018043	AA	GG	1940325066
SNP_P1_90375_8018766	NC_021164.1	Ca_kabuli_chr05	8018766	AA	TT	1940325067
SNP_P1_90376_8020455	NC_021164.1	Ca_kabuli_chr05	8020455	GG	AA	1940325069
SNP_P1_90377_8021866	NC_021164.1	Ca_kabuli_chr05	8021866	TT	AA	1940325071
SNP_P1_90378_8021876	NC_021164.1	Ca_kabuli_chr05	8021876	CC	AA	1940325072
SNP_P1_90379_8022007	NC_021164.1	Ca_kabuli_chr05	8022007	TT	CC	1940325074
SNP_P1_90380_8022803	NC_021164.1	Ca_kabuli_chr05	8022803	AA	GG	1940325076
SNP_P1_90381_8022821	NC_021164.1	Ca_kabuli_chr05	8022821	TT	AA	1940325078
SNP_P1_90382_8022866	NC_021164.1	Ca_kabuli_chr05	8022866	CC	AA	1940325079
SNP_P1_90383_8023088	NC_021164.1	Ca_kabuli_chr05	8023088	TT	AA	1940325081
SNP_P1_90384_8023129	NC_021164.1	Ca_kabuli_chr05	8023129	GG	CC	1940325083
SNP_P1_90385_8024948	NC_021164.1	Ca_kabuli_chr05	8024948	TT	CC	1940325084
SNP_P1_90386_8024951	NC_021164.1	Ca_kabuli_chr05	8024951	AA	GG	1940325086
SNP_P1_90387_8024984	NC_021164.1	Ca_kabuli_chr05	8024984	AA	GG	1940325088
SNP_P1_90389_8025278	NC_021164.1	Ca_kabuli_chr05	8025278	CC	TT	1940325089
SNP_P1_90391_8025612	NC_021164.1	Ca_kabuli_chr05	8025612	GG	AA	1940325091
SNP_P1_90393_8027159	NC_021164.1	Ca_kabuli_chr05	8027159	GG	TT	1940325093
SNP_P1_90394_8028429	NC_021164.1	Ca_kabuli_chr05	8028429	AA	GG	1940325094
SNP_P1_90396_8032758	NC_021164.1	Ca_kabuli_chr05	8032758	TT	CC	1940325096
SNP_P1_90397_8035225	NC_021164.1	Ca_kabuli_chr05	8035225	AA	GG	1940325098
SNP_P1_90398_8037579	NC_021164.1	Ca_kabuli_chr05	8037579	GG	AA	1940325099
SNP_P1_90399_8037857	NC_021164.1	Ca_kabuli_chr05	8037857	GG	TT	1940325101
SNP_P1_90400_8040292	NC_021164.1	Ca_kabuli_chr05	8040292	AA	GG	1940325103
SNP_P1_90402_8040392	NC_021164.1	Ca_kabuli_chr05	8040392	GG	AA	1940325104
SNP_P1_90403_8040412	NC_021164.1	Ca_kabuli_chr05	8040412	GG	AA	1940325106
SNP_P1_90404_8040438	NC_021164.1	Ca_kabuli_chr05	8040438	TT	CC	1940325108
SNP_P1_90405_8040469	NC_021164.1	Ca_kabuli_chr05	8040469	TT	CC	1940325110
SNP_P1_90406_8040483	NC_021164.1	Ca_kabuli_chr05	8040483	AA	GG	1940325111
SNP_P1_90407_8040497	NC_021164.1	Ca_kabuli_chr05	8040497	GG	AA	1940325113
SNP_P1_90408_8040537	NC_021164.1	Ca_kabuli_chr05	8040537	TT	AA	1940325115
SNP_P1_90409_8040558	NC_021164.1	Ca_kabuli_chr05	8040558	TT	CC	1940325116
SNP_P1_90410_8040593	NC_021164.1	Ca_kabuli_chr05	8040593	CC	TT	1940325118
SNP_P1_90411_8040643	NC_021164.1	Ca_kabuli_chr05	8040643	TT	GG	1940325120
SNP_P1_90412_8040673	NC_021164.1	Ca_kabuli_chr05	8040673	CC	GG	1940325121
SNP_P1_90413_8040703	NC_021164.1	Ca_kabuli_chr05	8040703	TT	GG	1940325123
SNP_P1_90414_8044700	NC_021164.1	Ca_kabuli_chr05	8044700	GG	AA	1940325125
SNP_P1_90415_8044819	NC_021164.1	Ca_kabuli_chr05	8044819	CC	TT	1940325126
SNP_P1_90416_8045593	NC_021164.1	Ca_kabuli_chr05	8045593	GG	AA	1940325128
SNP_P1_90417_8048810	NC_021164.1	Ca_kabuli_chr05	8048810	CC	TT	1940325130
SNP_P1_90418_8048973	NC_021164.1	Ca_kabuli_chr05	8048973	GG	AA	1940325131
SNP_P1_90419_8055107	NC_021164.1	Ca_kabuli_chr05	8055107	TT	GG	1940325133

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90422_8058354	NC_021164.1	Ca_kabuli_chr05	8058354	TT	AA	1940325136
SNP_P1_90423_8058355	NC_021164.1	Ca_kabuli_chr05	8058355	AA	CC	1940325138
SNP_P1_90424_8058375	NC_021164.1	Ca_kabuli_chr05	8058375	GG	TT	1940325140
SNP_P1_90425_8059018	NC_021164.1	Ca_kabuli_chr05	8059018	CC	AA	1940325142
SNP_P1_90426_8059347	NC_021164.1	Ca_kabuli_chr05	8059347	TT	GG	1940325143
SNP_P1_90427_8059622	NC_021164.1	Ca_kabuli_chr05	8059622	CC	TT	1940325145
SNP_P1_90428_8059652	NC_021164.1	Ca_kabuli_chr05	8059652	GG	TT	1940325147
SNP_P1_90429_8059684	NC_021164.1	Ca_kabuli_chr05	8059684	TT	AA	1940325148
SNP_P1_90430_8059840	NC_021164.1	Ca_kabuli_chr05	8059840	AA	TT	1940325150
SNP_P1_90431_8059986	NC_021164.1	Ca_kabuli_chr05	8059986	GG	CC	1940325152
SNP_P1_90432_8060000	NC_021164.1	Ca_kabuli_chr05	8060000	GG	CC	1940325153
SNP_P1_90433_8060055	NC_021164.1	Ca_kabuli_chr05	8060055	AA	CC	1940325155
SNP_P1_90434_8060268	NC_021164.1	Ca_kabuli_chr05	8060268	TT	GG	1940325157
SNP_P1_90435_8060960	NC_021164.1	Ca_kabuli_chr05	8060960	TT	GG	1940325158
SNP_P1_90437_8062587	NC_021164.1	Ca_kabuli_chr05	8062587	CC	TT	1940325160
SNP_P1_90438_8062588	NC_021164.1	Ca_kabuli_chr05	8062588	GG	CC	1940325162
SNP_P1_90439_8062626	NC_021164.1	Ca_kabuli_chr05	8062626	AA	GG	1940325163
SNP_P1_90440_8062637	NC_021164.1	Ca_kabuli_chr05	8062637	TT	CC	1940325165
SNP_P1_90441_8062679	NC_021164.1	Ca_kabuli_chr05	8062679	GG	AA	1940325167
SNP_P1_90442_8062727	NC_021164.1	Ca_kabuli_chr05	8062727	GG	AA	1940325168
SNP_P1_90444_8062803	NC_021164.1	Ca_kabuli_chr05	8062803	CC	AA	1940325170
SNP_P1_90445_8062830	NC_021164.1	Ca_kabuli_chr05	8062830	CC	TT	1940325172
SNP_P1_90446_8062925	NC_021164.1	Ca_kabuli_chr05	8062925	GG	AA	1940325174
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SNP_P1_90448_8063045	NC_021164.1	Ca_kabuli_chr05	8063045	GG	CC	1940325177
SNP_P1_90449_8063055	NC_021164.1	Ca_kabuli_chr05	8063055	GG	AA	1940325179
SNP_P1_90450_8067768	NC_021164.1	Ca_kabuli_chr05	8067768	GG	TT	1940325180
SNP_P1_90452_8068438	NC_021164.1	Ca_kabuli_chr05	8068438	TT	GG	1940325182
SNP_P1_90453_8068833	NC_021164.1	Ca_kabuli_chr05	8068833	CC	TT	1940325184
SNP_P1_90454_8070656	NC_021164.1	Ca_kabuli_chr05	8070656	GG	AA	1940325185
SNP_P1_90455_8070683	NC_021164.1	Ca_kabuli_chr05	8070683	AA	GG	1940325187
SNP_P1_90456_8070684	NC_021164.1	Ca_kabuli_chr05	8070684	TT	AA	1940325189
SNP_P1_90457_8070859	NC_021164.1	Ca_kabuli_chr05	8070859	AA	GG	1940325190
SNP_P1_90458_8070873	NC_021164.1	Ca_kabuli_chr05	8070873	AA	GG	1940325192
SNP_P1_90459_8070922	NC_021164.1	Ca_kabuli_chr05	8070922	AA	GG	1940325194
SNP_P1_90460_8070930	NC_021164.1	Ca_kabuli_chr05	8070930	TT	CC	1940325195
SNP_P1_90461_8070986	NC_021164.1	Ca_kabuli_chr05	8070986	TT	GG	1940325197
SNP_P1_90462_8070988	NC_021164.1	Ca_kabuli_chr05	8070988	GG	CC	1940325199
SNP_P1_90463_8071007	NC_021164.1	Ca_kabuli_chr05	8071007	GG	AA	1940325200
SNP_P1_90464_8071031	NC_021164.1	Ca_kabuli_chr05	8071031	TT	CC	1940325202
SNP_P1_90465_8071204	NC_021164.1	Ca_kabuli_chr05	8071204	TT	AA	1940325204

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90472_8073491	NC_021164.1	Ca_kabuli_chr05	8073491	AA	GG	1940325207
SNP_P1_90473_8073856	NC_021164.1	Ca_kabuli_chr05	8073856	GG	AA	1940325209
SNP_P1_90474_8074074	NC_021164.1	Ca_kabuli_chr05	8074074	GG	AA	1940325211
SNP_P1_90475_8074122	NC_021164.1	Ca_kabuli_chr05	8074122	GG	AA	1940325212
SNP_P1_90477_8074458	NC_021164.1	Ca_kabuli_chr05	8074458	CC	TT	1940325214
SNP_P1_90478_8074499	NC_021164.1	Ca_kabuli_chr05	8074499	GG	AA	1940325216
SNP_P1_90479_8074520	NC_021164.1	Ca_kabuli_chr05	8074520	CC	TT	1940325217
SNP_P1_90480_8074545	NC_021164.1	Ca_kabuli_chr05	8074545	TT	GG	1940325219
SNP_P1_90481_8074556	NC_021164.1	Ca_kabuli_chr05	8074556	AA	GG	1940325221
SNP_P1_90482_8074645	NC_021164.1	Ca_kabuli_chr05	8074645	GG	AA	1940325222
SNP_P1_90483_8074713	NC_021164.1	Ca_kabuli_chr05	8074713	TT	GG	1940325224
SNP_P1_90484_8074761	NC_021164.1	Ca_kabuli_chr05	8074761	CC	GG	1940325226
SNP_P1_90485_8074762	NC_021164.1	Ca_kabuli_chr05	8074762	TT	CC	1940325227
SNP_P1_90486_8074763	NC_021164.1	Ca_kabuli_chr05	8074763	GG	AA	1940325229
SNP_P1_90487_8074931	NC_021164.1	Ca_kabuli_chr05	8074931	TT	CC	1940325231
SNP_P1_90489_8075905	NC_021164.1	Ca_kabuli_chr05	8075905	TT	GG	1940325232
SNP_P1_90490_8075929	NC_021164.1	Ca_kabuli_chr05	8075929	AA	GG	1940325234
SNP_P1_90491_8075950	NC_021164.1	Ca_kabuli_chr05	8075950	GG	TT	1940325236
SNP_P1_90492_8077111	NC_021164.1	Ca_kabuli_chr05	8077111	AA	CC	1940325238
SNP_P1_90493_8077177	NC_021164.1	Ca_kabuli_chr05	8077177	TT	GG	1940325239
SNP_P1_90494_8077314	NC_021164.1	Ca_kabuli_chr05	8077314	CC	GG	1940325241
SNP_P1_90495_8077321	NC_021164.1	Ca_kabuli_chr05	8077321	TT	AA	1940325243
SNP_P1_90496_8077635	NC_021164.1	Ca_kabuli_chr05	8077635	TT	GG	1940325244
SNP_P1_90497_8078122	NC_021164.1	Ca_kabuli_chr05	8078122	CC	TT	1940325246
SNP_P1_90498_8078211	NC_021164.1	Ca_kabuli_chr05	8078211	GG	AA	1940325248
SNP_P1_90499_8078543	NC_021164.1	Ca_kabuli_chr05	8078543	TT	CC	1940325249
SNP_P1_90500_8078656	NC_021164.1	Ca_kabuli_chr05	8078656	GG	AA	1940325251
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SNP_P1_90502_8079286	NC_021164.1	Ca_kabuli_chr05	8079286	GG	AA	1940325254
SNP_P1_90503_8079518	NC_021164.1	Ca_kabuli_chr05	8079518	TT	AA	1940325256
SNP_P1_90504_8079777	NC_021164.1	Ca_kabuli_chr05	8079777	CC	TT	1940325258
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SNP_P1_90506_8079782	NC_021164.1	Ca_kabuli_chr05	8079782	AA	GG	1940325261
SNP_P1_90507_8079783	NC_021164.1	Ca_kabuli_chr05	8079783	GG	TT	1940325263
SNP_P1_90508_8079933	NC_021164.1	Ca_kabuli_chr05	8079933	GG	AA	1940325265
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SNP_P1_90510_8079982	NC_021164.1	Ca_kabuli_chr05	8079982	AA	TT	1940325268
SNP_P1_90511_8079997	NC_021164.1	Ca_kabuli_chr05	8079997	TT	CC	1940325270
SNP_P1_90512_8080323	NC_021164.1	Ca_kabuli_chr05	8080323	GG	AA	1940325271
SNP_P1_90513_8080360	NC_021164.1	Ca_kabuli_chr05	8080360	GG	TT	1940325273
SNP_P1_90515_8082439	NC_021164.1	Ca_kabuli_chr05	8082439	GG	TT	1940325275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90518_8087263	NC_021164.1	Ca_kabuli_chr05	8087263	CC	GG	1940325280
SNP_P1_90520_8087896	NC_021164.1	Ca_kabuli_chr05	8087896	AA	GG	1940325281
SNP_P1_90521_8088047	NC_021164.1	Ca_kabuli_chr05	8088047	AA	GG	1940325283
SNP_P1_90523_8088149	NC_021164.1	Ca_kabuli_chr05	8088149	GG	AA	1940325285
SNP_P1_90524_8088857	NC_021164.1	Ca_kabuli_chr05	8088857	AA	GG	1940325286
SNP_P1_90525_8089236	NC_021164.1	Ca_kabuli_chr05	8089236	CC	TT	1940325288
SNP_P1_90527_8089788	NC_021164.1	Ca_kabuli_chr05	8089788	AA	GG	1940325290
SNP_P1_90530_8091231	NC_021164.1	Ca_kabuli_chr05	8091231	AA	TT	1940325291
SNP_P1_90531_8091290	NC_021164.1	Ca_kabuli_chr05	8091290	AA	GG	1940325293
SNP_P1_90532_8093567	NC_021164.1	Ca_kabuli_chr05	8093567	TT	AA	1940325295
SNP_P1_90533_8093606	NC_021164.1	Ca_kabuli_chr05	8093606	AA	GG	1940325297
SNP_P1_90534_8093626	NC_021164.1	Ca_kabuli_chr05	8093626	AA	CC	1940325298
SNP_P1_90535_8094437	NC_021164.1	Ca_kabuli_chr05	8094437	CC	TT	1940325300
SNP_P1_90536_8096184	NC_021164.1	Ca_kabuli_chr05	8096184	TT	CC	1940325302
SNP_P1_90537_8096981	NC_021164.1	Ca_kabuli_chr05	8096981	AA	GG	1940325303
SNP_P1_90540_8098707	NC_021164.1	Ca_kabuli_chr05	8098707	TT	CC	1940325305
SNP_P1_90541_8099007	NC_021164.1	Ca_kabuli_chr05	8099007	AA	TT	1940325307
SNP_P1_90542_8099014	NC_021164.1	Ca_kabuli_chr05	8099014	TT	GG	1940325308
SNP_P1_90543_8099335	NC_021164.1	Ca_kabuli_chr05	8099335	AA	GG	1940325310
SNP_P1_90544_8099649	NC_021164.1	Ca_kabuli_chr05	8099649	AA	TT	1940325312
SNP_P1_90545_8100422	NC_021164.1	Ca_kabuli_chr05	8100422	CC	TT	1940325313
SNP_P1_90546_8100656	NC_021164.1	Ca_kabuli_chr05	8100656	TT	AA	1940325315
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SNP_P1_90552_8102655	NC_021164.1	Ca_kabuli_chr05	8102655	AA	GG	1940325323
SNP_P1_90553_8103069	NC_021164.1	Ca_kabuli_chr05	8103069	AA	GG	1940325325
SNP_P1_90554_8103471	NC_021164.1	Ca_kabuli_chr05	8103471	AA	CC	1940325327
SNP_P1_90555_8104900	NC_021164.1	Ca_kabuli_chr05	8104900	AA	GG	1940325328
SNP_P1_90556_8105225	NC_021164.1	Ca_kabuli_chr05	8105225	AA	GG	1940325330
SNP_P1_90557_8105255	NC_021164.1	Ca_kabuli_chr05	8105255	CC	TT	1940325332
SNP_P1_90558_8105462	NC_021164.1	Ca_kabuli_chr05	8105462	AA	CC	1940325334
SNP_P1_90559_8106073	NC_021164.1	Ca_kabuli_chr05	8106073	GG	AA	1940325335
SNP_P1_90560_8107494	NC_021164.1	Ca_kabuli_chr05	8107494	TT	CC	1940325337
SNP_P1_90561_8107734	NC_021164.1	Ca_kabuli_chr05	8107734	TT	GG	1940325339
SNP_P1_90562_8110457	NC_021164.1	Ca_kabuli_chr05	8110457	TT	GG	1940325340
SNP_P1_90563_8110472	NC_021164.1	Ca_kabuli_chr05	8110472	TT	CC	1940325342
SNP_P1_90564_8111029	NC_021164.1	Ca_kabuli_chr05	8111029	GG	AA	1940325344
SNP_P1_90565_8111337	NC_021164.1	Ca_kabuli_chr05	8111337	GG	CC	1940325345

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90567_8111393	NC_021164.1	Ca_kabuli_chr05	8111393	TT	GG	1940325349
SNP_P1_90568_8111408	NC_021164.1	Ca_kabuli_chr05	8111408	CC	TT	1940325350
SNP_P1_90569_8113221	NC_021164.1	Ca_kabuli_chr05	8113221	TT	AA	1940325352
SNP_P1_90570_8113404	NC_021164.1	Ca_kabuli_chr05	8113404	AA	TT	1940325354
SNP_P1_90571_8113446	NC_021164.1	Ca_kabuli_chr05	8113446	CC	TT	1940325355
SNP_P1_90572_8113460	NC_021164.1	Ca_kabuli_chr05	8113460	TT	CC	1940325357
SNP_P1_90573_8113485	NC_021164.1	Ca_kabuli_chr05	8113485	TT	CC	1940325359
SNP_P1_90574_8118160	NC_021164.1	Ca_kabuli_chr05	8118160	GG	TT	1940325360
SNP_P1_90575_8118386	NC_021164.1	Ca_kabuli_chr05	8118386	TT	GG	1940325362
SNP_P1_90576_8118444	NC_021164.1	Ca_kabuli_chr05	8118444	GG	TT	1940325364
SNP_P1_90577_8119230	NC_021164.1	Ca_kabuli_chr05	8119230	AA	GG	1940325366
SNP_P1_90578_8120300	NC_021164.1	Ca_kabuli_chr05	8120300	TT	GG	1940325367
SNP_P1_90579_8120310	NC_021164.1	Ca_kabuli_chr05	8120310	AA	GG	1940325369
SNP_P1_90580_8120313	NC_021164.1	Ca_kabuli_chr05	8120313	GG	TT	1940325371
SNP_P1_90581_8122051	NC_021164.1	Ca_kabuli_chr05	8122051	TT	CC	1940325372
SNP_P1_90582_8122172	NC_021164.1	Ca_kabuli_chr05	8122172	CC	TT	1940325374
SNP_P1_90583_8122459	NC_021164.1	Ca_kabuli_chr05	8122459	GG	CC	1940325376
SNP_P1_90584_8122513	NC_021164.1	Ca_kabuli_chr05	8122513	TT	AA	1940325377
SNP_P1_90586_8123487	NC_021164.1	Ca_kabuli_chr05	8123487	GG	AA	1940325379
SNP_P1_90587_8123490	NC_021164.1	Ca_kabuli_chr05	8123490	AA	GG	1940325381
SNP_P1_90588_8123510	NC_021164.1	Ca_kabuli_chr05	8123510	AA	TT	1940325382
SNP_P1_90589_8123566	NC_021164.1	Ca_kabuli_chr05	8123566	AA	TT	1940325384
SNP_P1_90590_8124190	NC_021164.1	Ca_kabuli_chr05	8124190	CC	AA	1940325386
SNP_P1_90591_8124462	NC_021164.1	Ca_kabuli_chr05	8124462	CC	TT	1940325387
SNP_P1_90592_8124626	NC_021164.1	Ca_kabuli_chr05	8124626	TT	CC	1940325389
SNP_P1_90593_8125550	NC_021164.1	Ca_kabuli_chr05	8125550	GG	TT	1940325391
SNP_P1_90594_8125551	NC_021164.1	Ca_kabuli_chr05	8125551	AA	TT	1940325392
SNP_P1_90595_8125748	NC_021164.1	Ca_kabuli_chr05	8125748	GG	TT	1940325394
SNP_P1_90596_8125787	NC_021164.1	Ca_kabuli_chr05	8125787	CC	AA	1940325396
SNP_P1_90597_8126221	NC_021164.1	Ca_kabuli_chr05	8126221	AA	TT	1940325397
SNP_P1_90598_8126559	NC_021164.1	Ca_kabuli_chr05	8126559	CC	TT	1940325399
SNP_P1_90599_8126701	NC_021164.1	Ca_kabuli_chr05	8126701	CC	TT	1940325401
SNP_P1_90600_8126752	NC_021164.1	Ca_kabuli_chr05	8126752	GG	AA	1940325403
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SNP_P1_90602_8126867	NC_021164.1	Ca_kabuli_chr05	8126867	AA	GG	1940325406
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SNP_P1_90605_8127200	NC_021164.1	Ca_kabuli_chr05	8127200	GG	AA	1940325411
SNP_P1_90607_8128608	NC_021164.1	Ca_kabuli_chr05	8128608	CC	TT	1940325413
SNP_P1_90608_8128637	NC_021164.1	Ca_kabuli_chr05	8128637	AA	GG	1940325414
SNP_P1_90609_8128946	NC_021164.1	Ca_kabuli_chr05	8128946	GG	AA	1940325416

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90611_8128988	NC_021164.1	Ca_kabuli_chr05	8128988	AA	GG	1940325419
SNP_P1_90612_8129005	NC_021164.1	Ca_kabuli_chr05	8129005	TT	AA	1940325421
SNP_P1_90613_8129006	NC_021164.1	Ca_kabuli_chr05	8129006	CC	GG	1940325423
SNP_P1_90614_8129799	NC_021164.1	Ca_kabuli_chr05	8129799	TT	AA	1940325424
SNP_P1_90615_8130834	NC_021164.1	Ca_kabuli_chr05	8130834	TT	CC	1940325426
SNP_P1_90616_8134013	NC_021164.1	Ca_kabuli_chr05	8134013	CC	TT	1940325428
SNP_P1_90617_8136176	NC_021164.1	Ca_kabuli_chr05	8136176	AA	TT	1940325429
SNP_P1_90618_8136226	NC_021164.1	Ca_kabuli_chr05	8136226	CC	TT	1940325431
SNP_P1_90619_8136534	NC_021164.1	Ca_kabuli_chr05	8136534	TT	CC	1940325433
SNP_P1_90620_8138709	NC_021164.1	Ca_kabuli_chr05	8138709	AA	CC	1940325435
SNP_P1_90621_8138733	NC_021164.1	Ca_kabuli_chr05	8138733	TT	CC	1940325436
SNP_P1_90622_8138978	NC_021164.1	Ca_kabuli_chr05	8138978	GG	AA	1940325438
SNP_P1_90623_8139019	NC_021164.1	Ca_kabuli_chr05	8139019	GG	CC	1940325440
SNP_P1_90624_8143035	NC_021164.1	Ca_kabuli_chr05	8143035	AA	GG	1940325441
SNP_P1_90625_8143042	NC_021164.1	Ca_kabuli_chr05	8143042	CC	TT	1940325443
SNP_P1_90626_8143064	NC_021164.1	Ca_kabuli_chr05	8143064	CC	TT	1940325445
SNP_P1_90628_8145811	NC_021164.1	Ca_kabuli_chr05	8145811	AA	GG	1940325446
SNP_P1_90629_8159432	NC_021164.1	Ca_kabuli_chr05	8159432	GG	CC	1940325448
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SNP_P1_90633_8160224	NC_021164.1	Ca_kabuli_chr05	8160224	AA	GG	1940325455
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SNP_P1_90635_8160574	NC_021164.1	Ca_kabuli_chr05	8160574	GG	AA	1940325458
SNP_P1_90636_8160800	NC_021164.1	Ca_kabuli_chr05	8160800	TT	CC	1940325460
SNP_P1_90637_8161002	NC_021164.1	Ca_kabuli_chr05	8161002	AA	GG	1940325461
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SNP_P1_90639_8162640	NC_021164.1	Ca_kabuli_chr05	8162640	CC	TT	1940325465
SNP_P1_90641_8163413	NC_021164.1	Ca_kabuli_chr05	8163413	TT	GG	1940325467
SNP_P1_90642_8163512	NC_021164.1	Ca_kabuli_chr05	8163512	TT	CC	1940325468
SNP_P1_90643_8163722	NC_021164.1	Ca_kabuli_chr05	8163722	AA	GG	1940325470
SNP_P1_90645_8164321	NC_021164.1	Ca_kabuli_chr05	8164321	TT	AA	1940325472
SNP_P1_90646_8164630	NC_021164.1	Ca_kabuli_chr05	8164630	AA	GG	1940325473
SNP_P1_90647_8164632	NC_021164.1	Ca_kabuli_chr05	8164632	AA	TT	1940325475
SNP_P1_90648_8164726	NC_021164.1	Ca_kabuli_chr05	8164726	AA	TT	1940325477
SNP_P1_90649_8164731	NC_021164.1	Ca_kabuli_chr05	8164731	AA	GG	1940325478
SNP_P1_90650_8164974	NC_021164.1	Ca_kabuli_chr05	8164974	GG	CC	1940325480
SNP_P1_90652_8167029	NC_021164.1	Ca_kabuli_chr05	8167029	AA	TT	1940325482
SNP_P1_90653_8167853	NC_021164.1	Ca_kabuli_chr05	8167853	TT	CC	1940325483
SNP_P1_90654_8170133	NC_021164.1	Ca_kabuli_chr05	8170133	CC	TT	1940325485
SNP_P1_90655_8170722	NC_021164.1	Ca_kabuli_chr05	8170722	CC	TT	1940325487

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90658_8177833	NC_021164.1	Ca_kabuli_chr05	8177833	AA	GG	1940325492
SNP_P1_90659_8180900	NC_021164.1	Ca_kabuli_chr05	8180900	AA	TT	1940325493
SNP_P1_90661_8181537	NC_021164.1	Ca_kabuli_chr05	8181537	TT	GG	1940325495
SNP_P1_90662_8182058	NC_021164.1	Ca_kabuli_chr05	8182058	GG	TT	1940325497
SNP_P1_90663_8182110	NC_021164.1	Ca_kabuli_chr05	8182110	GG	AA	1940325499
SNP_P1_90664_8182181	NC_021164.1	Ca_kabuli_chr05	8182181	GG	AA	1940325500
SNP_P1_90665_8182207	NC_021164.1	Ca_kabuli_chr05	8182207	AA	GG	1940325502
SNP_P1_90666_8183243	NC_021164.1	Ca_kabuli_chr05	8183243	AA	CC	1940325504
SNP_P1_90667_8183261	NC_021164.1	Ca_kabuli_chr05	8183261	TT	CC	1940325505
SNP_P1_90668_8185889	NC_021164.1	Ca_kabuli_chr05	8185889	AA	GG	1940325507
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SNP_P1_90671_8186631	NC_021164.1	Ca_kabuli_chr05	8186631	GG	CC	1940325512
SNP_P1_90672_8196425	NC_021164.1	Ca_kabuli_chr05	8196425	CC	GG	1940325514
SNP_P1_90673_8198483	NC_021164.1	Ca_kabuli_chr05	8198483	TT	AA	1940325515
SNP_P1_90674_8198487	NC_021164.1	Ca_kabuli_chr05	8198487	GG	AA	1940325517
SNP_P1_90677_8202040	NC_021164.1	Ca_kabuli_chr05	8202040	TT	CC	1940325519
SNP_P1_90678_8203378	NC_021164.1	Ca_kabuli_chr05	8203378	TT	CC	1940325520
SNP_P1_90679_8203786	NC_021164.1	Ca_kabuli_chr05	8203786	TT	AA	1940325522
SNP_P1_90680_8204107	NC_021164.1	Ca_kabuli_chr05	8204107	TT	CC	1940325524
SNP_P1_90681_8206174	NC_021164.1	Ca_kabuli_chr05	8206174	TT	AA	1940325525
SNP_P1_90682_8206269	NC_021164.1	Ca_kabuli_chr05	8206269	CC	GG	1940325527
SNP_P1_90683_8207098	NC_021164.1	Ca_kabuli_chr05	8207098	AA	CC	1940325529
SNP_P1_90684_8208050	NC_021164.1	Ca_kabuli_chr05	8208050	AA	GG	1940325531
SNP_P1_90685_8210305	NC_021164.1	Ca_kabuli_chr05	8210305	TT	CC	1940325532
SNP_P1_90687_8212299	NC_021164.1	Ca_kabuli_chr05	8212299	AA	TT	1940325534
SNP_P1_90688_8212334	NC_021164.1	Ca_kabuli_chr05	8212334	CC	TT	1940325536
SNP_P1_90689_8212961	NC_021164.1	Ca_kabuli_chr05	8212961	TT	CC	1940325537
SNP_P1_90690_8213622	NC_021164.1	Ca_kabuli_chr05	8213622	CC	TT	1940325539
SNP_P1_90691_8214955	NC_021164.1	Ca_kabuli_chr05	8214955	AA	GG	1940325541
SNP_P1_90692_8215675	NC_021164.1	Ca_kabuli_chr05	8215675	GG	CC	1940325542
SNP_P1_90693_8216718	NC_021164.1	Ca_kabuli_chr05	8216718	AA	GG	1940325544
SNP_P1_90694_8216783	NC_021164.1	Ca_kabuli_chr05	8216783	TT	AA	1940325546
SNP_P1_90696_8217037	NC_021164.1	Ca_kabuli_chr05	8217037	AA	GG	1940325547
SNP_P1_90697_8217072	NC_021164.1	Ca_kabuli_chr05	8217072	AA	GG	1940325549
SNP_P1_90698_8217172	NC_021164.1	Ca_kabuli_chr05	8217172	TT	CC	1940325551
SNP_P1_90699_8217279	NC_021164.1	Ca_kabuli_chr05	8217279	AA	GG	1940325552
SNP_P1_90700_8217575	NC_021164.1	Ca_kabuli_chr05	8217575	GG	TT	1940325554
SNP_P1_90701_8217646	NC_021164.1	Ca_kabuli_chr05	8217646	TT	AA	1940325556
SNP_P1_90702_8222944	NC_021164.1	Ca_kabuli_chr05	8222944	CC	TT	1940325557

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90704_8241604	NC_021164.1	Ca_kabuli_chr05	8241604	AA	TT	1940325561
SNP_P1_90705_8241625	NC_021164.1	Ca_kabuli_chr05	8241625	GG	AA	1940325563
SNP_P1_90706_8241683	NC_021164.1	Ca_kabuli_chr05	8241683	CC	TT	1940325564
SNP_P1_90707_8241685	NC_021164.1	Ca_kabuli_chr05	8241685	TT	CC	1940325566
SNP_P1_90708_8241727	NC_021164.1	Ca_kabuli_chr05	8241727	CC	TT	1940325568
SNP_P1_90710_8250136	NC_021164.1	Ca_kabuli_chr05	8250136	TT	AA	1940325569
SNP_P1_90711_8257727	NC_021164.1	Ca_kabuli_chr05	8257727	CC	TT	1940325571
SNP_P1_90712_8257743	NC_021164.1	Ca_kabuli_chr05	8257743	GG	AA	1940325573
SNP_P1_90713_8257776	NC_021164.1	Ca_kabuli_chr05	8257776	AA	GG	1940325574
SNP_P1_90714_8257899	NC_021164.1	Ca_kabuli_chr05	8257899	AA	GG	1940325576
SNP_P1_90715_8259061	NC_021164.1	Ca_kabuli_chr05	8259061	CC	AA	1940325578
SNP_P1_90716_8259413	NC_021164.1	Ca_kabuli_chr05	8259413	GG	AA	1940325579
SNP_P1_90717_8259835	NC_021164.1	Ca_kabuli_chr05	8259835	CC	TT	1940325581
SNP_P1_90718_8260036	NC_021164.1	Ca_kabuli_chr05	8260036	GG	AA	1940325583
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SNP_P1_90720_8261143	NC_021164.1	Ca_kabuli_chr05	8261143	TT	AA	1940325586
SNP_P1_90721_8261146	NC_021164.1	Ca_kabuli_chr05	8261146	TT	AA	1940325588
SNP_P1_90722_8261202	NC_021164.1	Ca_kabuli_chr05	8261202	CC	AA	1940325589
SNP_P1_90723_8261487	NC_021164.1	Ca_kabuli_chr05	8261487	AA	TT	1940325591
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SNP_P1_90725_8261591	NC_021164.1	Ca_kabuli_chr05	8261591	GG	AA	1940325595
SNP_P1_90726_8262813	NC_021164.1	Ca_kabuli_chr05	8262813	GG	AA	1940325596
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SNP_P1_90732_8263310	NC_021164.1	Ca_kabuli_chr05	8263310	AA	TT	1940325606
SNP_P1_90733_8263483	NC_021164.1	Ca_kabuli_chr05	8263483	GG	AA	1940325608
SNP_P1_90734_8263895	NC_021164.1	Ca_kabuli_chr05	8263895	AA	GG	1940325610
SNP_P1_90735_8264042	NC_021164.1	Ca_kabuli_chr05	8264042	AA	TT	1940325611
SNP_P1_90737_8264231	NC_021164.1	Ca_kabuli_chr05	8264231	GG	CC	1940325613
SNP_P1_90738_8264282	NC_021164.1	Ca_kabuli_chr05	8264282	AA	CC	1940325615
SNP_P1_90739_8264380	NC_021164.1	Ca_kabuli_chr05	8264380	GG	AA	1940325616
SNP_P1_90740_8266592	NC_021164.1	Ca_kabuli_chr05	8266592	TT	CC	1940325618
SNP_P1_90741_8266873	NC_021164.1	Ca_kabuli_chr05	8266873	TT	GG	1940325620
SNP_P1_90742_8267148	NC_021164.1	Ca_kabuli_chr05	8267148	TT	CC	1940325621
SNP_P1_90743_8267385	NC_021164.1	Ca_kabuli_chr05	8267385	AA	GG	1940325623
SNP_P1_90745_8267675	NC_021164.1	Ca_kabuli_chr05	8267675	GG	AA	1940325625
SNP_P1_90746_8267972	NC_021164.1	Ca_kabuli_chr05	8267972	TT	CC	1940325627
SNP_P1_90747_8268054	NC_021164.1	Ca_kabuli_chr05	8268054	TT	AA	1940325628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90750_8270280	NC_021164.1	Ca_kabuli_chr05	8270280	GG	AA	1940325633
SNP_P1_90751_8270759	NC_021164.1	Ca_kabuli_chr05	8270759	GG	AA	1940325635
SNP_P1_90752_8271105	NC_021164.1	Ca_kabuli_chr05	8271105	AA	CC	1940325637
SNP_P1_90753_8271313	NC_021164.1	Ca_kabuli_chr05	8271313	AA	TT	1940325638
SNP_P1_90754_8271362	NC_021164.1	Ca_kabuli_chr05	8271362	GG	AA	1940325640
SNP_P1_90756_8271509	NC_021164.1	Ca_kabuli_chr05	8271509	CC	TT	1940325642
SNP_P1_90757_8271562	NC_021164.1	Ca_kabuli_chr05	8271562	AA	GG	1940325643
SNP_P1_90758_8271594	NC_021164.1	Ca_kabuli_chr05	8271594	GG	AA	1940325645
SNP_P1_90759_8272094	NC_021164.1	Ca_kabuli_chr05	8272094	GG	TT	1940325647
SNP_P1_90760_8284074	NC_021164.1	Ca_kabuli_chr05	8284074	TT	CC	1940325648
SNP_P1_90761_8284114	NC_021164.1	Ca_kabuli_chr05	8284114	CC	TT	1940325650
SNP_P1_90762_8284168	NC_021164.1	Ca_kabuli_chr05	8284168	AA	CC	1940325652
SNP_P1_90763_8286545	NC_021164.1	Ca_kabuli_chr05	8286545	TT	AA	1940325654
SNP_P1_90764_8286913	NC_021164.1	Ca_kabuli_chr05	8286913	GG	AA	1940325655
SNP_P1_90765_8286938	NC_021164.1	Ca_kabuli_chr05	8286938	AA	GG	1940325657
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SNP_P1_90768_8287698	NC_021164.1	Ca_kabuli_chr05	8287698	AA	TT	1940325660
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SNP_P1_90770_8293325	NC_021164.1	Ca_kabuli_chr05	8293325	TT	AA	1940325664
SNP_P1_90771_8293354	NC_021164.1	Ca_kabuli_chr05	8293354	TT	AA	1940325665
SNP_P1_90772_8293355	NC_021164.1	Ca_kabuli_chr05	8293355	TT	CC	1940325667
SNP_P1_90773_8293396	NC_021164.1	Ca_kabuli_chr05	8293396	AA	TT	1940325669
SNP_P1_90774_8293572	NC_021164.1	Ca_kabuli_chr05	8293572	GG	AA	1940325670
SNP_P1_90775_8296682	NC_021164.1	Ca_kabuli_chr05	8296682	GG	AA	1940325672
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SNP_P1_90781_8305739	NC_021164.1	Ca_kabuli_chr05	8305739	TT	AA	1940325677
SNP_P1_90782_8305761	NC_021164.1	Ca_kabuli_chr05	8305761	CC	TT	1940325679
SNP_P1_90783_8305897	NC_021164.1	Ca_kabuli_chr05	8305897	AA	GG	1940325680
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SNP_P1_90785_8311192	NC_021164.1	Ca_kabuli_chr05	8311192	TT	GG	1940325684
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SNP_P1_90787_8314179	NC_021164.1	Ca_kabuli_chr05	8314179	TT	CC	1940325687
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SNP_P1_90789_8314239	NC_021164.1	Ca_kabuli_chr05	8314239	GG	AA	1940325691
SNP_P1_90790_8314484	NC_021164.1	Ca_kabuli_chr05	8314484	AA	TT	1940325692
SNP_P1_90791_8314728	NC_021164.1	Ca_kabuli_chr05	8314728	TT	CC	1940325694
SNP_P1_90792_8315882	NC_021164.1	Ca_kabuli_chr05	8315882	AA	TT	1940325696
SNP_P1_90794_8316581	NC_021164.1	Ca_kabuli_chr05	8316581	AA	GG	1940325697
SNP_P1_90795_8317269	NC_021164.1	Ca_kabuli_chr05	8317269	TT	CC	1940325699

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90798_8320761	NC_021164.1	Ca_kabuli_chr05	8320761	AA	TT	1940325704
SNP_P1_90799_8323650	NC_021164.1	Ca_kabuli_chr05	8323650	AA	CC	1940325706
SNP_P1_90800_8323975	NC_021164.1	Ca_kabuli_chr05	8323975	TT	AA	1940325707
SNP_P1_90802_8333734	NC_021164.1	Ca_kabuli_chr05	8333734	CC	TT	1940325709
SNP_P1_90803_8340362	NC_021164.1	Ca_kabuli_chr05	8340362	TT	CC	1940325711
SNP_P1_90804_8341160	NC_021164.1	Ca_kabuli_chr05	8341160	CC	TT	1940325712
SNP_P1_90805_8342015	NC_021164.1	Ca_kabuli_chr05	8342015	CC	TT	1940325714
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SNP_P1_90808_8343795	NC_021164.1	Ca_kabuli_chr05	8343795	GG	AA	1940325718
SNP_P1_90809_8346292	NC_021164.1	Ca_kabuli_chr05	8346292	GG	AA	1940325719
SNP_P1_90810_8346490	NC_021164.1	Ca_kabuli_chr05	8346490	TT	GG	1940325721
SNP_P1_90811_8346514	NC_021164.1	Ca_kabuli_chr05	8346514	AA	CC	1940325723
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SNP_P1_90813_8346573	NC_021164.1	Ca_kabuli_chr05	8346573	TT	AA	1940325726
SNP_P1_90814_8346607	NC_021164.1	Ca_kabuli_chr05	8346607	AA	GG	1940325728
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SNP_P1_90816_8347056	NC_021164.1	Ca_kabuli_chr05	8347056	GG	CC	1940325731
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SNP_P1_90818_8362605	NC_021164.1	Ca_kabuli_chr05	8362605	CC	AA	1940325734
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SNP_P1_90821_8375116	NC_021164.1	Ca_kabuli_chr05	8375116	TT	CC	1940325739
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SNP_P1_90824_8413434	NC_021164.1	Ca_kabuli_chr05	8413434	AA	GG	1940325744
SNP_P1_90825_8413487	NC_021164.1	Ca_kabuli_chr05	8413487	AA	GG	1940325746
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SNP_P1_90827_8426822	NC_021164.1	Ca_kabuli_chr05	8426822	GG	AA	1940325750
SNP_P1_90828_8473090	NC_021164.1	Ca_kabuli_chr05	8473090	TT	AA	1940325751
SNP_P1_90829_8476648	NC_021164.1	Ca_kabuli_chr05	8476648	TT	CC	1940325753
SNP_P1_90830_8476649	NC_021164.1	Ca_kabuli_chr05	8476649	CC	AA	1940325755
SNP_P1_90831_8476654	NC_021164.1	Ca_kabuli_chr05	8476654	GG	CC	1940325756
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SNP_P1_90836_8478056	NC_021164.1	Ca_kabuli_chr05	8478056	GG	AA	1940325765
SNP_P1_90837_8478114	NC_021164.1	Ca_kabuli_chr05	8478114	CC	TT	1940325766
SNP_P1_90838_8482626	NC_021164.1	Ca_kabuli_chr05	8482626	TT	CC	1940325768
SNP_P1_90839_8482629	NC_021164.1	Ca_kabuli_chr05	8482629	TT	CC	1940325770

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90842_8485640	NC_021164.1	Ca_kabuli_chr05	8485640	AA	GG	1940325775
SNP_P1_90843_8485665	NC_021164.1	Ca_kabuli_chr05	8485665	GG	AA	1940325777
SNP_P1_90844_8485797	NC_021164.1	Ca_kabuli_chr05	8485797	GG	CC	1940325778
SNP_P1_90845_8485909	NC_021164.1	Ca_kabuli_chr05	8485909	AA	GG	1940325780
SNP_P1_90846_8485920	NC_021164.1	Ca_kabuli_chr05	8485920	CC	TT	1940325782
SNP_P1_90847_8485926	NC_021164.1	Ca_kabuli_chr05	8485926	CC	GG	1940325783
SNP_P1_90848_8485992	NC_021164.1	Ca_kabuli_chr05	8485992	AA	GG	1940325785
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SNP_P1_90853_8521064	NC_021164.1	Ca_kabuli_chr05	8521064	CC	GG	1940325788
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SNP_P1_90859_8694451	NC_021164.1	Ca_kabuli_chr05	8694451	AA	CC	1940325797
SNP_P1_90860_8695404	NC_021164.1	Ca_kabuli_chr05	8695404	AA	TT	1940325798
SNP_P1_90861_8700228	NC_021164.1	Ca_kabuli_chr05	8700228	TT	GG	1940325800
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SNP_P1_90863_8701392	NC_021164.1	Ca_kabuli_chr05	8701392	AA	GG	1940325803
SNP_P1_90864_8701982	NC_021164.1	Ca_kabuli_chr05	8701982	GG	AA	1940325805
SNP_P1_90865_8701984	NC_021164.1	Ca_kabuli_chr05	8701984	TT	CC	1940325807
SNP_P1_90866_8701987	NC_021164.1	Ca_kabuli_chr05	8701987	CC	GG	1940325809
SNP_P1_90867_8701996	NC_021164.1	Ca_kabuli_chr05	8701996	TT	AA	1940325810
SNP_P1_90868_8702481	NC_021164.1	Ca_kabuli_chr05	8702481	CC	TT	1940325812
SNP_P1_90869_8702492	NC_021164.1	Ca_kabuli_chr05	8702492	TT	CC	1940325814
SNP_P1_90870_8702553	NC_021164.1	Ca_kabuli_chr05	8702553	TT	CC	1940325815
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SNP_P1_90873_8704170	NC_021164.1	Ca_kabuli_chr05	8704170	TT	GG	1940325820
SNP_P1_90874_8704171	NC_021164.1	Ca_kabuli_chr05	8704171	AA	GG	1940325822
SNP_P1_90875_8704238	NC_021164.1	Ca_kabuli_chr05	8704238	AA	GG	1940325824
SNP_P1_90876_8704256	NC_021164.1	Ca_kabuli_chr05	8704256	GG	AA	1940325825
SNP_P1_90877_8704263	NC_021164.1	Ca_kabuli_chr05	8704263	CC	TT	1940325827
SNP_P1_90878_8705223	NC_021164.1	Ca_kabuli_chr05	8705223	CC	TT	1940325829
SNP_P1_90879_8705875	NC_021164.1	Ca_kabuli_chr05	8705875	GG	CC	1940325830
SNP_P1_90880_8706504	NC_021164.1	Ca_kabuli_chr05	8706504	CC	TT	1940325832
SNP_P1_90881_8706561	NC_021164.1	Ca_kabuli_chr05	8706561	CC	GG	1940325834
SNP_P1_90883_8707975	NC_021164.1	Ca_kabuli_chr05	8707975	TT	CC	1940325835
SNP_P1_90884_8708022	NC_021164.1	Ca_kabuli_chr05	8708022	AA	GG	1940325837
SNP_P1_90885_8708201	NC_021164.1	Ca_kabuli_chr05	8708201	CC	TT	1940325839
SNP_P1_90886_8708207	NC_021164.1	Ca_kabuli_chr05	8708207	TT	CC	1940325841

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90888_8708333	NC_021164.1	Ca_kabuli_chr05	8708333	AA	GG	1940325844
SNP_P1_90889_8708339	NC_021164.1	Ca_kabuli_chr05	8708339	CC	TT	1940325846
SNP_P1_90890_8708571	NC_021164.1	Ca_kabuli_chr05	8708571	GG	AA	1940325847
SNP_P1_90891_8708591	NC_021164.1	Ca_kabuli_chr05	8708591	GG	AA	1940325849
SNP_P1_90892_8709564	NC_021164.1	Ca_kabuli_chr05	8709564	AA	GG	1940325851
SNP_P1_90893_8711265	NC_021164.1	Ca_kabuli_chr05	8711265	GG	AA	1940325852
SNP_P1_90894_8711316	NC_021164.1	Ca_kabuli_chr05	8711316	TT	CC	1940325854
SNP_P1_90895_8711423	NC_021164.1	Ca_kabuli_chr05	8711423	AA	CC	1940325856
SNP_P1_90896_8711460	NC_021164.1	Ca_kabuli_chr05	8711460	CC	TT	1940325857
SNP_P1_90897_8711461	NC_021164.1	Ca_kabuli_chr05	8711461	GG	AA	1940325859
SNP_P1_90898_8711608	NC_021164.1	Ca_kabuli_chr05	8711608	CC	TT	1940325861
SNP_P1_90899_8711612	NC_021164.1	Ca_kabuli_chr05	8711612	TT	CC	1940325862
SNP_P1_90900_8711613	NC_021164.1	Ca_kabuli_chr05	8711613	AA	CC	1940325864
SNP_P1_90901_8715774	NC_021164.1	Ca_kabuli_chr05	8715774	AA	GG	1940325866
SNP_P1_90902_8715804	NC_021164.1	Ca_kabuli_chr05	8715804	AA	GG	1940325868
SNP_P1_90903_8716167	NC_021164.1	Ca_kabuli_chr05	8716167	CC	TT	1940325869
SNP_P1_90904_8716977	NC_021164.1	Ca_kabuli_chr05	8716977	CC	TT	1940325871
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SNP_P1_90906_8718919	NC_021164.1	Ca_kabuli_chr05	8718919	TT	GG	1940325874
SNP_P1_90907_8719040	NC_021164.1	Ca_kabuli_chr05	8719040	TT	AA	1940325876
SNP_P1_90908_8719046	NC_021164.1	Ca_kabuli_chr05	8719046	GG	AA	1940325878
SNP_P1_90909_8719084	NC_021164.1	Ca_kabuli_chr05	8719084	CC	TT	1940325879
SNP_P1_90910_8719087	NC_021164.1	Ca_kabuli_chr05	8719087	GG	TT	1940325881
SNP_P1_90911_8719120	NC_021164.1	Ca_kabuli_chr05	8719120	TT	AA	1940325883
SNP_P1_90912_8719129	NC_021164.1	Ca_kabuli_chr05	8719129	GG	TT	1940325884
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SNP_P1_90914_8719150	NC_021164.1	Ca_kabuli_chr05	8719150	CC	TT	1940325888
SNP_P1_90915_8719307	NC_021164.1	Ca_kabuli_chr05	8719307	TT	CC	1940325889
SNP_P1_90916_8719310	NC_021164.1	Ca_kabuli_chr05	8719310	GG	AA	1940325891
SNP_P1_90917_8719311	NC_021164.1	Ca_kabuli_chr05	8719311	AA	TT	1940325893
SNP_P1_90918_8719326	NC_021164.1	Ca_kabuli_chr05	8719326	CC	TT	1940325894
SNP_P1_90919_8719345	NC_021164.1	Ca_kabuli_chr05	8719345	CC	TT	1940325896
SNP_P1_90920_8719619	NC_021164.1	Ca_kabuli_chr05	8719619	CC	GG	1940325898
SNP_P1_90921_8720692	NC_021164.1	Ca_kabuli_chr05	8720692	CC	TT	1940325900
SNP_P1_90922_8720709	NC_021164.1	Ca_kabuli_chr05	8720709	TT	GG	1940325901
SNP_P1_90923_8720717	NC_021164.1	Ca_kabuli_chr05	8720717	TT	CC	1940325903
SNP_P1_90924_8720759	NC_021164.1	Ca_kabuli_chr05	8720759	GG	CC	1940325905
SNP_P1_90925_8720787	NC_021164.1	Ca_kabuli_chr05	8720787	CC	AA	1940325906
SNP_P1_90926_8720799	NC_021164.1	Ca_kabuli_chr05	8720799	AA	TT	1940325908
SNP_P1_90927_8720803	NC_021164.1	Ca_kabuli_chr05	8720803	TT	CC	1940325910
SNP_P1_90929_8721042	NC_021164.1	Ca_kabuli_chr05	8721042	CC	TT	1940325911

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90931_8721085	NC_021164.1	Ca_kabuli_chr05	8721085	TT	CC	1940325915
SNP_P1_90932_8721094	NC_021164.1	Ca_kabuli_chr05	8721094	CC	GG	1940325916
SNP_P1_90933_8724015	NC_021164.1	Ca_kabuli_chr05	8724015	CC	TT	1940325918
SNP_P1_90934_8724017	NC_021164.1	Ca_kabuli_chr05	8724017	AA	TT	1940325920
SNP_P1_90935_8724107	NC_021164.1	Ca_kabuli_chr05	8724107	AA	GG	1940325921
SNP_P1_90936_8724294	NC_021164.1	Ca_kabuli_chr05	8724294	TT	CC	1940325923
SNP_P1_90937_8724340	NC_021164.1	Ca_kabuli_chr05	8724340	AA	CC	1940325925
SNP_P1_90938_8724366	NC_021164.1	Ca_kabuli_chr05	8724366	AA	TT	1940325926
SNP_P1_90939_8724381	NC_021164.1	Ca_kabuli_chr05	8724381	TT	AA	1940325928
SNP_P1_90940_8724386	NC_021164.1	Ca_kabuli_chr05	8724386	TT	CC	1940325930
SNP_P1_90941_8724529	NC_021164.1	Ca_kabuli_chr05	8724529	TT	CC	1940325932
SNP_P1_90942_8724543	NC_021164.1	Ca_kabuli_chr05	8724543	GG	TT	1940325933
SNP_P1_90943_8724559	NC_021164.1	Ca_kabuli_chr05	8724559	AA	TT	1940325935
SNP_P1_90944_8724715	NC_021164.1	Ca_kabuli_chr05	8724715	AA	GG	1940325937
SNP_P1_90945_8724727	NC_021164.1	Ca_kabuli_chr05	8724727	TT	CC	1940325938
SNP_P1_90946_8724766	NC_021164.1	Ca_kabuli_chr05	8724766	TT	AA	1940325940
SNP_P1_90947_8724774	NC_021164.1	Ca_kabuli_chr05	8724774	CC	AA	1940325942
SNP_P1_90948_8724812	NC_021164.1	Ca_kabuli_chr05	8724812	TT	AA	1940325943
SNP_P1_90949_8724846	NC_021164.1	Ca_kabuli_chr05	8724846	CC	GG	1940325945
SNP_P1_90950_8724885	NC_021164.1	Ca_kabuli_chr05	8724885	GG	AA	1940325947
SNP_P1_90951_8725116	NC_021164.1	Ca_kabuli_chr05	8725116	TT	CC	1940325948
SNP_P1_90952_8725178	NC_021164.1	Ca_kabuli_chr05	8725178	AA	CC	1940325950
SNP_P1_90953_8725195	NC_021164.1	Ca_kabuli_chr05	8725195	AA	GG	1940325952
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SNP_P1_90955_8725644	NC_021164.1	Ca_kabuli_chr05	8725644	TT	GG	1940325955
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SNP_P1_90957_8726128	NC_021164.1	Ca_kabuli_chr05	8726128	GG	TT	1940325959
SNP_P1_90958_8726579	NC_021164.1	Ca_kabuli_chr05	8726579	CC	TT	1940325960
SNP_P1_90959_8726848	NC_021164.1	Ca_kabuli_chr05	8726848	TT	CC	1940325962
SNP_P1_90960_8726852	NC_021164.1	Ca_kabuli_chr05	8726852	CC	AA	1940325964
SNP_P1_90961_8726906	NC_021164.1	Ca_kabuli_chr05	8726906	GG	AA	1940325965
SNP_P1_90962_8726908	NC_021164.1	Ca_kabuli_chr05	8726908	TT	CC	1940325967
SNP_P1_90963_8728702	NC_021164.1	Ca_kabuli_chr05	8728702	AA	GG	1940325969
SNP_P1_90964_8728708	NC_021164.1	Ca_kabuli_chr05	8728708	AA	CC	1940325970
SNP_P1_90965_8728724	NC_021164.1	Ca_kabuli_chr05	8728724	GG	AA	1940325972
SNP_P1_90966_8728928	NC_021164.1	Ca_kabuli_chr05	8728928	TT	CC	1940325974
SNP_P1_90967_8729080	NC_021164.1	Ca_kabuli_chr05	8729080	GG	AA	1940325975
SNP_P1_90968_8729101	NC_021164.1	Ca_kabuli_chr05	8729101	GG	AA	1940325977
SNP_P1_90969_8729526	NC_021164.1	Ca_kabuli_chr05	8729526	CC	TT	1940325979
SNP_P1_90970_8729537	NC_021164.1	Ca_kabuli_chr05	8729537	TT	GG	1940325980
SNP_P1_90971_8729561	NC_021164.1	Ca_kabuli_chr05	8729561	CC	AA	1940325982

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_90974_8730077	NC_021164.1	Ca_kabuli_chr05	8730077	TT	CC	1940325985
SNP_P1_90975_8730126	NC_021164.1	Ca_kabuli_chr05	8730126	GG	AA	1940325987
SNP_P1_90976_8730188	NC_021164.1	Ca_kabuli_chr05	8730188	AA	TT	1940325989
SNP_P1_90977_8731186	NC_021164.1	Ca_kabuli_chr05	8731186	GG	AA	1940325991
SNP_P1_90978_8731224	NC_021164.1	Ca_kabuli_chr05	8731224	AA	TT	1940325992
SNP_P1_90979_8731567	NC_021164.1	Ca_kabuli_chr05	8731567	TT	CC	1940325994
SNP_P1_90980_8731879	NC_021164.1	Ca_kabuli_chr05	8731879	AA	GG	1940325996
SNP_P1_90981_8731898	NC_021164.1	Ca_kabuli_chr05	8731898	CC	AA	1940325997
SNP_P1_90982_8731904	NC_021164.1	Ca_kabuli_chr05	8731904	AA	CC	1940325999
SNP_P1_90983_8732845	NC_021164.1	Ca_kabuli_chr05	8732845	TT	AA	1940326001
SNP_P1_90984_8732868	NC_021164.1	Ca_kabuli_chr05	8732868	GG	AA	1940326002
SNP_P1_90985_8732992	NC_021164.1	Ca_kabuli_chr05	8732992	CC	TT	1940326004
SNP_P1_90986_8733226	NC_021164.1	Ca_kabuli_chr05	8733226	TT	CC	1940326006
SNP_P1_90987_8733233	NC_021164.1	Ca_kabuli_chr05	8733233	AA	CC	1940326007
SNP_P1_90988_8733240	NC_021164.1	Ca_kabuli_chr05	8733240	CC	TT	1940326009
SNP_P1_90989_8733250	NC_021164.1	Ca_kabuli_chr05	8733250	TT	CC	1940326011
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SNP_P1_90991_8733492	NC_021164.1	Ca_kabuli_chr05	8733492	TT	CC	1940326014
SNP_P1_90992_8733515	NC_021164.1	Ca_kabuli_chr05	8733515	AA	GG	1940326016
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SNP_P1_91004_8743266	NC_021164.1	Ca_kabuli_chr05	8743266	CC	TT	1940326031
SNP_P1_91005_8744742	NC_021164.1	Ca_kabuli_chr05	8744742	AA	GG	1940326033
SNP_P1_91006_8744762	NC_021164.1	Ca_kabuli_chr05	8744762	AA	GG	1940326034
SNP_P1_91007_8744806	NC_021164.1	Ca_kabuli_chr05	8744806	CC	AA	1940326036
SNP_P1_91008_8744807	NC_021164.1	Ca_kabuli_chr05	8744807	AA	GG	1940326038
SNP_P1_91009_8745222	NC_021164.1	Ca_kabuli_chr05	8745222	CC	TT	1940326039
SNP_P1_91010_8745279	NC_021164.1	Ca_kabuli_chr05	8745279	TT	CC	1940326041
SNP_P1_91011_8745407	NC_021164.1	Ca_kabuli_chr05	8745407	CC	TT	1940326043
SNP_P1_91013_8745529	NC_021164.1	Ca_kabuli_chr05	8745529	CC	AA	1940326044
SNP_P1_91015_8745653	NC_021164.1	Ca_kabuli_chr05	8745653	GG	AA	1940326046
SNP_P1_91016_8745926	NC_021164.1	Ca_kabuli_chr05	8745926	AA	GG	1940326048
SNP_P1_91017_8746130	NC_021164.1	Ca_kabuli_chr05	8746130	TT	CC	1940326050
SNP_P1_91019_8747769	NC_021164.1	Ca_kabuli_chr05	8747769	GG	AA	1940326051
SNP_P1_91020_8747792	NC_021164.1	Ca_kabuli_chr05	8747792	GG	AA	1940326053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91022_8748936	NC_021164.1	Ca_kabuli_chr05	8748936	TT	GG	1940326056
SNP_P1_91023_8749063	NC_021164.1	Ca_kabuli_chr05	8749063	GG	TT	1940326058
SNP_P1_91024_8749064	NC_021164.1	Ca_kabuli_chr05	8749064	TT	CC	1940326060
SNP_P1_91025_8749100	NC_021164.1	Ca_kabuli_chr05	8749100	GG	AA	1940326061
SNP_P1_91026_8749144	NC_021164.1	Ca_kabuli_chr05	8749144	GG	AA	1940326063
SNP_P1_91027_8749219	NC_021164.1	Ca_kabuli_chr05	8749219	GG	AA	1940326065
SNP_P1_91028_8749249	NC_021164.1	Ca_kabuli_chr05	8749249	CC	TT	1940326066
SNP_P1_91029_8749268	NC_021164.1	Ca_kabuli_chr05	8749268	AA	TT	1940326068
SNP_P1_91030_8749275	NC_021164.1	Ca_kabuli_chr05	8749275	GG	AA	1940326070
SNP_P1_91031_8750097	NC_021164.1	Ca_kabuli_chr05	8750097	GG	AA	1940326071
SNP_P1_91032_8750103	NC_021164.1	Ca_kabuli_chr05	8750103	CC	TT	1940326073
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SNP_P1_91035_8750265	NC_021164.1	Ca_kabuli_chr05	8750265	CC	GG	1940326078
SNP_P1_91036_8750277	NC_021164.1	Ca_kabuli_chr05	8750277	AA	CC	1940326080
SNP_P1_91037_8750282	NC_021164.1	Ca_kabuli_chr05	8750282	AA	GG	1940326082
SNP_P1_91038_8752977	NC_021164.1	Ca_kabuli_chr05	8752977	AA	GG	1940326083
SNP_P1_91039_8755561	NC_021164.1	Ca_kabuli_chr05	8755561	TT	AA	1940326085
SNP_P1_91040_8755573	NC_021164.1	Ca_kabuli_chr05	8755573	AA	TT	1940326087
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SNP_P1_91043_8755859	NC_021164.1	Ca_kabuli_chr05	8755859	AA	CC	1940326092
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SNP_P1_91046_8756686	NC_021164.1	Ca_kabuli_chr05	8756686	TT	AA	1940326097
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SNP_P1_91049_8757728	NC_021164.1	Ca_kabuli_chr05	8757728	CC	TT	1940326102
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SNP_P1_91051_8757747	NC_021164.1	Ca_kabuli_chr05	8757747	AA	CC	1940326105
SNP_P1_91052_8757752	NC_021164.1	Ca_kabuli_chr05	8757752	AA	TT	1940326107
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SNP_P1_91055_8757897	NC_021164.1	Ca_kabuli_chr05	8757897	CC	AA	1940326112
SNP_P1_91056_8757938	NC_021164.1	Ca_kabuli_chr05	8757938	GG	AA	1940326114
SNP_P1_91057_8758093	NC_021164.1	Ca_kabuli_chr05	8758093	TT	CC	1940326115
SNP_P1_91058_8758100	NC_021164.1	Ca_kabuli_chr05	8758100	AA	GG	1940326117
SNP_P1_91059_8758247	NC_021164.1	Ca_kabuli_chr05	8758247	TT	CC	1940326119
SNP_P1_91060_8758524	NC_021164.1	Ca_kabuli_chr05	8758524	GG	TT	1940326120
SNP_P1_91061_8758862	NC_021164.1	Ca_kabuli_chr05	8758862	GG	CC	1940326122
SNP_P1_91063_8759244	NC_021164.1	Ca_kabuli_chr05	8759244	AA	TT	1940326124

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91065_8759615	NC_021164.1	Ca_kabuli_chr05	8759615	AA	CC	1940326127
SNP_P1_91066_8759637	NC_021164.1	Ca_kabuli_chr05	8759637	AA	CC	1940326129
SNP_P1_91068_8760884	NC_021164.1	Ca_kabuli_chr05	8760884	GG	AA	1940326130
SNP_P1_91070_8764012	NC_021164.1	Ca_kabuli_chr05	8764012	CC	AA	1940326132
SNP_P1_91072_8764451	NC_021164.1	Ca_kabuli_chr05	8764451	TT	CC	1940326134
SNP_P1_91073_8764717	NC_021164.1	Ca_kabuli_chr05	8764717	GG	AA	1940326136
SNP_P1_91074_8768697	NC_021164.1	Ca_kabuli_chr05	8768697	TT	GG	1940326137
SNP_P1_91076_8768928	NC_021164.1	Ca_kabuli_chr05	8768928	GG	AA	1940326139
SNP_P1_91077_8769186	NC_021164.1	Ca_kabuli_chr05	8769186	CC	GG	1940326141
SNP_P1_91078_8770440	NC_021164.1	Ca_kabuli_chr05	8770440	AA	GG	1940326142
SNP_P1_91080_8772546	NC_021164.1	Ca_kabuli_chr05	8772546	CC	TT	1940326144
SNP_P1_91081_8772904	NC_021164.1	Ca_kabuli_chr05	8772904	AA	GG	1940326146
SNP_P1_91082_8773149	NC_021164.1	Ca_kabuli_chr05	8773149	AA	GG	1940326147
SNP_P1_91083_8773405	NC_021164.1	Ca_kabuli_chr05	8773405	AA	CC	1940326149
SNP_P1_91084_8773408	NC_021164.1	Ca_kabuli_chr05	8773408	TT	CC	1940326151
SNP_P1_91085_8773962	NC_021164.1	Ca_kabuli_chr05	8773962	AA	TT	1940326152
SNP_P1_91086_8774240	NC_021164.1	Ca_kabuli_chr05	8774240	AA	CC	1940326154
SNP_P1_91087_8774249	NC_021164.1	Ca_kabuli_chr05	8774249	GG	AA	1940326156
SNP_P1_91088_8774362	NC_021164.1	Ca_kabuli_chr05	8774362	TT	CC	1940326157
SNP_P1_91089_8774439	NC_021164.1	Ca_kabuli_chr05	8774439	GG	AA	1940326159
SNP_P1_91090_8774478	NC_021164.1	Ca_kabuli_chr05	8774478	CC	TT	1940326161
SNP_P1_91091_8774485	NC_021164.1	Ca_kabuli_chr05	8774485	GG	AA	1940326162
SNP_P1_91092_8774681	NC_021164.1	Ca_kabuli_chr05	8774681	GG	AA	1940326164
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SNP_P1_91095_8775036	NC_021164.1	Ca_kabuli_chr05	8775036	TT	AA	1940326169
SNP_P1_91096_8775298	NC_021164.1	Ca_kabuli_chr05	8775298	TT	AA	1940326171
SNP_P1_91099_8776139	NC_021164.1	Ca_kabuli_chr05	8776139	TT	CC	1940326173
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SNP_P1_91103_8778044	NC_021164.1	Ca_kabuli_chr05	8778044	AA	GG	1940326176
SNP_P1_91104_8780314	NC_021164.1	Ca_kabuli_chr05	8780314	TT	AA	1940326178
SNP_P1_91105_8780641	NC_021164.1	Ca_kabuli_chr05	8780641	GG	TT	1940326179
SNP_P1_91106_8782799	NC_021164.1	Ca_kabuli_chr05	8782799	CC	GG	1940326181
SNP_P1_91109_8783078	NC_021164.1	Ca_kabuli_chr05	8783078	GG	CC	1940326183
SNP_P1_91110_8784168	NC_021164.1	Ca_kabuli_chr05	8784168	CC	TT	1940326184
SNP_P1_91111_8784179	NC_021164.1	Ca_kabuli_chr05	8784179	TT	CC	1940326186
SNP_P1_91112_8784477	NC_021164.1	Ca_kabuli_chr05	8784477	CC	AA	1940326188
SNP_P1_91113_8786205	NC_021164.1	Ca_kabuli_chr05	8786205	CC	TT	1940326189
SNP_P1_91114_8786985	NC_021164.1	Ca_kabuli_chr05	8786985	GG	AA	1940326191
SNP_P1_91116_8788763	NC_021164.1	Ca_kabuli_chr05	8788763	AA	GG	1940326193
SNP_P1_91118_8790419	NC_021164.1	Ca_kabuli_chr05	8790419	TT	CC	1940326195

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91123_8795878	NC_021164.1	Ca_kabuli_chr05	8795878	GG	TT	1940326200
SNP_P1_91124_8795936	NC_021164.1	Ca_kabuli_chr05	8795936	CC	TT	1940326201
SNP_P1_91125_8796653	NC_021164.1	Ca_kabuli_chr05	8796653	TT	CC	1940326203
SNP_P1_91127_8808230	NC_021164.1	Ca_kabuli_chr05	8808230	AA	GG	1940326205
SNP_P1_91128_8808231	NC_021164.1	Ca_kabuli_chr05	8808231	TT	CC	1940326206
SNP_P1_91129_8808260	NC_021164.1	Ca_kabuli_chr05	8808260	TT	CC	1940326208
SNP_P1_91130_8808340	NC_021164.1	Ca_kabuli_chr05	8808340	CC	AA	1940326210
SNP_P1_91131_8808366	NC_021164.1	Ca_kabuli_chr05	8808366	TT	CC	1940326211
SNP_P1_91132_8808470	NC_021164.1	Ca_kabuli_chr05	8808470	AA	GG	1940326213
SNP_P1_91133_8808654	NC_021164.1	Ca_kabuli_chr05	8808654	TT	CC	1940326215
SNP_P1_91134_8808814	NC_021164.1	Ca_kabuli_chr05	8808814	AA	CC	1940326216
SNP_P1_91135_8808935	NC_021164.1	Ca_kabuli_chr05	8808935	GG	TT	1940326218
SNP_P1_91136_8810058	NC_021164.1	Ca_kabuli_chr05	8810058	CC	TT	1940326220
SNP_P1_91137_8810064	NC_021164.1	Ca_kabuli_chr05	8810064	GG	TT	1940326221
SNP_P1_91138_8810095	NC_021164.1	Ca_kabuli_chr05	8810095	CC	TT	1940326223
SNP_P1_91139_8810125	NC_021164.1	Ca_kabuli_chr05	8810125	TT	CC	1940326225
SNP_P1_91140_8810130	NC_021164.1	Ca_kabuli_chr05	8810130	GG	AA	1940326227
SNP_P1_91141_8810147	NC_021164.1	Ca_kabuli_chr05	8810147	GG	AA	1940326228
SNP_P1_91142_8811871	NC_021164.1	Ca_kabuli_chr05	8811871	TT	CC	1940326230
SNP_P1_91143_8812235	NC_021164.1	Ca_kabuli_chr05	8812235	TT	AA	1940326232
SNP_P1_91144_8814290	NC_021164.1	Ca_kabuli_chr05	8814290	TT	CC	1940326233
SNP_P1_91147_8817470	NC_021164.1	Ca_kabuli_chr05	8817470	TT	GG	1940326235
SNP_P1_91149_8817741	NC_021164.1	Ca_kabuli_chr05	8817741	AA	TT	1940326237
SNP_P1_91150_8817761	NC_021164.1	Ca_kabuli_chr05	8817761	GG	CC	1940326238
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SNP_P1_91152_8818990	NC_021164.1	Ca_kabuli_chr05	8818990	AA	GG	1940326242
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SNP_P1_91154_8821644	NC_021164.1	Ca_kabuli_chr05	8821644	GG	AA	1940326245
SNP_P1_91155_8821997	NC_021164.1	Ca_kabuli_chr05	8821997	GG	TT	1940326247
SNP_P1_91156_8822162	NC_021164.1	Ca_kabuli_chr05	8822162	GG	CC	1940326248
SNP_P1_91157_8822195	NC_021164.1	Ca_kabuli_chr05	8822195	AA	GG	1940326250
SNP_P1_91158_8822224	NC_021164.1	Ca_kabuli_chr05	8822224	GG	AA	1940326252
SNP_P1_91159_8822227	NC_021164.1	Ca_kabuli_chr05	8822227	CC	TT	1940326254
SNP_P1_91160_8822296	NC_021164.1	Ca_kabuli_chr05	8822296	TT	AA	1940326255
SNP_P1_91162_8822361	NC_021164.1	Ca_kabuli_chr05	8822361	TT	CC	1940326257
SNP_P1_91163_8822473	NC_021164.1	Ca_kabuli_chr05	8822473	CC	TT	1940326259
SNP_P1_91164_8822478	NC_021164.1	Ca_kabuli_chr05	8822478	GG	CC	1940326260
SNP_P1_91165_8822676	NC_021164.1	Ca_kabuli_chr05	8822676	TT	CC	1940326262
SNP_P1_91166_8822895	NC_021164.1	Ca_kabuli_chr05	8822895	TT	CC	1940326264
SNP_P1_91167_8822903	NC_021164.1	Ca_kabuli_chr05	8822903	CC	AA	1940326265

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91169_8822952	NC_021164.1	Ca_kabuli_chr05	8822952	TT	GG	1940326269
SNP_P1_91170_8823091	NC_021164.1	Ca_kabuli_chr05	8823091	TT	CC	1940326270
SNP_P1_91171_8823109	NC_021164.1	Ca_kabuli_chr05	8823109	AA	GG	1940326272
SNP_P1_91174_8823273	NC_021164.1	Ca_kabuli_chr05	8823273	GG	AA	1940326274
SNP_P1_91175_8823285	NC_021164.1	Ca_kabuli_chr05	8823285	TT	CC	1940326275
SNP_P1_91176_8823445	NC_021164.1	Ca_kabuli_chr05	8823445	AA	TT	1940326277
SNP_P1_91178_8823499	NC_021164.1	Ca_kabuli_chr05	8823499	GG	AA	1940326279
SNP_P1_91179_8823635	NC_021164.1	Ca_kabuli_chr05	8823635	AA	GG	1940326280
SNP_P1_91180_8823652	NC_021164.1	Ca_kabuli_chr05	8823652	CC	TT	1940326282
SNP_P1_91181_8823785	NC_021164.1	Ca_kabuli_chr05	8823785	TT	CC	1940326284
SNP_P1_91182_8823788	NC_021164.1	Ca_kabuli_chr05	8823788	AA	TT	1940326286
SNP_P1_91183_8823792	NC_021164.1	Ca_kabuli_chr05	8823792	AA	TT	1940326287
SNP_P1_91184_8823833	NC_021164.1	Ca_kabuli_chr05	8823833	GG	CC	1940326289
SNP_P1_91185_8824261	NC_021164.1	Ca_kabuli_chr05	8824261	GG	AA	1940326291
SNP_P1_91186_8824453	NC_021164.1	Ca_kabuli_chr05	8824453	AA	TT	1940326292
SNP_P1_91187_8824465	NC_021164.1	Ca_kabuli_chr05	8824465	AA	GG	1940326294
SNP_P1_91188_8824472	NC_021164.1	Ca_kabuli_chr05	8824472	TT	CC	1940326296
SNP_P1_91191_8825119	NC_021164.1	Ca_kabuli_chr05	8825119	TT	AA	1940326297
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SNP_P1_91194_8826196	NC_021164.1	Ca_kabuli_chr05	8826196	AA	TT	1940326302
SNP_P1_91195_8826260	NC_021164.1	Ca_kabuli_chr05	8826260	AA	TT	1940326304
SNP_P1_91196_8826277	NC_021164.1	Ca_kabuli_chr05	8826277	TT	CC	1940326306
SNP_P1_91197_8826319	NC_021164.1	Ca_kabuli_chr05	8826319	AA	CC	1940326307
SNP_P1_91198_8826325	NC_021164.1	Ca_kabuli_chr05	8826325	GG	AA	1940326309
SNP_P1_91199_8826349	NC_021164.1	Ca_kabuli_chr05	8826349	CC	GG	1940326311
SNP_P1_91200_8826604	NC_021164.1	Ca_kabuli_chr05	8826604	AA	TT	1940326312
SNP_P1_91201_8826662	NC_021164.1	Ca_kabuli_chr05	8826662	TT	CC	1940326314
SNP_P1_91202_8826844	NC_021164.1	Ca_kabuli_chr05	8826844	CC	TT	1940326316
SNP_P1_91203_8826852	NC_021164.1	Ca_kabuli_chr05	8826852	GG	AA	1940326318
SNP_P1_91204_8826854	NC_021164.1	Ca_kabuli_chr05	8826854	TT	AA	1940326319
SNP_P1_91205_8826868	NC_021164.1	Ca_kabuli_chr05	8826868	AA	TT	1940326321
SNP_P1_91206_8827016	NC_021164.1	Ca_kabuli_chr05	8827016	GG	AA	1940326323
SNP_P1_91207_8827021	NC_021164.1	Ca_kabuli_chr05	8827021	AA	GG	1940326324
SNP_P1_91209_8828895	NC_021164.1	Ca_kabuli_chr05	8828895	TT	CC	1940326326
SNP_P1_91210_8828908	NC_021164.1	Ca_kabuli_chr05	8828908	CC	TT	1940326328
SNP_P1_91211_8828968	NC_021164.1	Ca_kabuli_chr05	8828968	CC	TT	1940326329
SNP_P1_91212_8829136	NC_021164.1	Ca_kabuli_chr05	8829136	AA	TT	1940326331
SNP_P1_91213_8829137	NC_021164.1	Ca_kabuli_chr05	8829137	AA	CC	1940326333
SNP_P1_91214_8829144	NC_021164.1	Ca_kabuli_chr05	8829144	AA	GG	1940326334
SNP_P1_91215_8829146	NC_021164.1	Ca_kabuli_chr05	8829146	GG	AA	1940326336

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91217_8829687	NC_021164.1	Ca_kabuli_chr05	8829687	CC	TT	1940326339
SNP_P1_91218_8829835	NC_021164.1	Ca_kabuli_chr05	8829835	TT	CC	1940326341
SNP_P1_91219_8829947	NC_021164.1	Ca_kabuli_chr05	8829947	GG	AA	1940326343
SNP_P1_91220_8829973	NC_021164.1	Ca_kabuli_chr05	8829973	AA	TT	1940326345
SNP_P1_91221_8830195	NC_021164.1	Ca_kabuli_chr05	8830195	TT	AA	1940326346
SNP_P1_91222_8830774	NC_021164.1	Ca_kabuli_chr05	8830774	CC	TT	1940326348
SNP_P1_91223_8830776	NC_021164.1	Ca_kabuli_chr05	8830776	TT	CC	1940326350
SNP_P1_91224_8830799	NC_021164.1	Ca_kabuli_chr05	8830799	CC	TT	1940326351
SNP_P1_91225_8831034	NC_021164.1	Ca_kabuli_chr05	8831034	GG	TT	1940326353
SNP_P1_91226_8832249	NC_021164.1	Ca_kabuli_chr05	8832249	GG	TT	1940326355
SNP_P1_91227_8832251	NC_021164.1	Ca_kabuli_chr05	8832251	AA	CC	1940326356
SNP_P1_91229_8832492	NC_021164.1	Ca_kabuli_chr05	8832492	TT	AA	1940326358
SNP_P1_91230_8832515	NC_021164.1	Ca_kabuli_chr05	8832515	AA	TT	1940326360
SNP_P1_91231_8832673	NC_021164.1	Ca_kabuli_chr05	8832673	GG	AA	1940326362
SNP_P1_91232_8832678	NC_021164.1	Ca_kabuli_chr05	8832678	CC	AA	1940326363
SNP_P1_91233_8832682	NC_021164.1	Ca_kabuli_chr05	8832682	CC	TT	1940326365
SNP_P1_91234_8832683	NC_021164.1	Ca_kabuli_chr05	8832683	AA	GG	1940326367
SNP_P1_91236_8832858	NC_021164.1	Ca_kabuli_chr05	8832858	AA	GG	1940326368
SNP_P1_91237_8833177	NC_021164.1	Ca_kabuli_chr05	8833177	CC	AA	1940326370
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SNP_P1_91239_8833994	NC_021164.1	Ca_kabuli_chr05	8833994	AA	GG	1940326373
SNP_P1_91240_8833999	NC_021164.1	Ca_kabuli_chr05	8833999	CC	TT	1940326375
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SNP_P1_91242_8834096	NC_021164.1	Ca_kabuli_chr05	8834096	AA	GG	1940326378
SNP_P1_91243_8834153	NC_021164.1	Ca_kabuli_chr05	8834153	CC	TT	1940326380
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SNP_P1_91248_8837737	NC_021164.1	Ca_kabuli_chr05	8837737	TT	CC	1940326385
SNP_P1_91249_8837780	NC_021164.1	Ca_kabuli_chr05	8837780	CC	AA	1940326387
SNP_P1_91250_8837801	NC_021164.1	Ca_kabuli_chr05	8837801	AA	TT	1940326389
SNP_P1_91251_8837809	NC_021164.1	Ca_kabuli_chr05	8837809	CC	TT	1940326390
SNP_P1_91252_8837906	NC_021164.1	Ca_kabuli_chr05	8837906	AA	TT	1940326392
SNP_P1_91253_8837912	NC_021164.1	Ca_kabuli_chr05	8837912	CC	TT	1940326394
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SNP_P1_91255_8837956	NC_021164.1	Ca_kabuli_chr05	8837956	TT	CC	1940326397
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SNP_P1_91257_8838213	NC_021164.1	Ca_kabuli_chr05	8838213	TT	CC	1940326401
SNP_P1_91258_8838227	NC_021164.1	Ca_kabuli_chr05	8838227	CC	AA	1940326402
SNP_P1_91259_8838325	NC_021164.1	Ca_kabuli_chr05	8838325	CC	TT	1940326404
SNP_P1_91260_8838658	NC_021164.1	Ca_kabuli_chr05	8838658	GG	AA	1940326406
SNP_P1_91261_8838666	NC_021164.1	Ca_kabuli_chr05	8838666	TT	GG	1940326407

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91264_8838736	NC_021164.1	Ca_kabuli_chr05	8838736	AA	CC	1940326412
SNP_P1_91265_8838936	NC_021164.1	Ca_kabuli_chr05	8838936	CC	TT	1940326414
SNP_P1_91266_8839531	NC_021164.1	Ca_kabuli_chr05	8839531	AA	GG	1940326416
SNP_P1_91267_8854086	NC_021164.1	Ca_kabuli_chr05	8854086	AA	GG	1940326417
SNP_P1_91268_8854802	NC_021164.1	Ca_kabuli_chr05	8854802	CC	AA	1940326419
SNP_P1_91269_8855038	NC_021164.1	Ca_kabuli_chr05	8855038	GG	TT	1940326421
SNP_P1_91270_8855050	NC_021164.1	Ca_kabuli_chr05	8855050	AA	TT	1940326423
SNP_P1_91271_8855125	NC_021164.1	Ca_kabuli_chr05	8855125	AA	GG	1940326424
SNP_P1_91272_8855126	NC_021164.1	Ca_kabuli_chr05	8855126	GG	AA	1940326426
SNP_P1_91273_8855155	NC_021164.1	Ca_kabuli_chr05	8855155	GG	AA	1940326428
SNP_P1_91274_8855173	NC_021164.1	Ca_kabuli_chr05	8855173	CC	AA	1940326429
SNP_P1_91275_8855249	NC_021164.1	Ca_kabuli_chr05	8855249	AA	GG	1940326431
SNP_P1_91276_8855324	NC_021164.1	Ca_kabuli_chr05	8855324	TT	CC	1940326433
SNP_P1_91277_8855331	NC_021164.1	Ca_kabuli_chr05	8855331	TT	CC	1940326434
SNP_P1_91278_8855332	NC_021164.1	Ca_kabuli_chr05	8855332	AA	GG	1940326436
SNP_P1_91280_8855561	NC_021164.1	Ca_kabuli_chr05	8855561	CC	AA	1940326438
SNP_P1_91281_8855734	NC_021164.1	Ca_kabuli_chr05	8855734	CC	TT	1940326439
SNP_P1_91282_8855802	NC_021164.1	Ca_kabuli_chr05	8855802	TT	CC	1940326441
SNP_P1_91283_8855809	NC_021164.1	Ca_kabuli_chr05	8855809	GG	TT	1940326443
SNP_P1_91284_8855861	NC_021164.1	Ca_kabuli_chr05	8855861	AA	GG	1940326445
SNP_P1_91285_8856029	NC_021164.1	Ca_kabuli_chr05	8856029	GG	TT	1940326446
SNP_P1_91286_8856042	NC_021164.1	Ca_kabuli_chr05	8856042	CC	TT	1940326448
SNP_P1_91287_8856063	NC_021164.1	Ca_kabuli_chr05	8856063	GG	AA	1940326450
SNP_P1_91288_8858717	NC_021164.1	Ca_kabuli_chr05	8858717	CC	AA	1940326451
SNP_P1_91289_8858939	NC_021164.1	Ca_kabuli_chr05	8858939	AA	TT	1940326453
SNP_P1_91290_8858940	NC_021164.1	Ca_kabuli_chr05	8858940	AA	TT	1940326455
SNP_P1_91291_8867236	NC_021164.1	Ca_kabuli_chr05	8867236	AA	GG	1940326456
SNP_P1_91292_8867281	NC_021164.1	Ca_kabuli_chr05	8867281	AA	GG	1940326458
SNP_P1_91293_8867550	NC_021164.1	Ca_kabuli_chr05	8867550	TT	CC	1940326460
SNP_P1_91294_8868145	NC_021164.1	Ca_kabuli_chr05	8868145	AA	TT	1940326462
SNP_P1_91295_8870118	NC_021164.1	Ca_kabuli_chr05	8870118	AA	CC	1940326463
SNP_P1_91296_8870180	NC_021164.1	Ca_kabuli_chr05	8870180	CC	AA	1940326465
SNP_P1_91297_8870503	NC_021164.1	Ca_kabuli_chr05	8870503	CC	TT	1940326467
SNP_P1_91298_8870541	NC_021164.1	Ca_kabuli_chr05	8870541	GG	TT	1940326468
SNP_P1_91299_8870835	NC_021164.1	Ca_kabuli_chr05	8870835	CC	TT	1940326470
SNP_P1_91300_8870838	NC_021164.1	Ca_kabuli_chr05	8870838	CC	TT	1940326472
SNP_P1_91301_8870842	NC_021164.1	Ca_kabuli_chr05	8870842	TT	GG	1940326473
SNP_P1_91303_8872049	NC_021164.1	Ca_kabuli_chr05	8872049	CC	AA	1940326475
SNP_P1_91304_8872060	NC_021164.1	Ca_kabuli_chr05	8872060	TT	CC	1940326477
SNP_P1_91305_8874588	NC_021164.1	Ca_kabuli_chr05	8874588	CC	TT	1940326478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91308_8877527	NC_021164.1	Ca_kabuli_chr05	8877527	AA	TT	1940326482
SNP_P1_91309_8877872	NC_021164.1	Ca_kabuli_chr05	8877872	TT	GG	1940326484
SNP_P1_91310_8877956	NC_021164.1	Ca_kabuli_chr05	8877956	TT	AA	1940326485
SNP_P1_91313_8878213	NC_021164.1	Ca_kabuli_chr05	8878213	CC	TT	1940326487
SNP_P1_91314_8878230	NC_021164.1	Ca_kabuli_chr05	8878230	CC	TT	1940326489
SNP_P1_91315_8878242	NC_021164.1	Ca_kabuli_chr05	8878242	AA	CC	1940326490
SNP_P1_91316_8878245	NC_021164.1	Ca_kabuli_chr05	8878245	AA	TT	1940326492
SNP_P1_91317_8878259	NC_021164.1	Ca_kabuli_chr05	8878259	AA	TT	1940326494
SNP_P1_91318_8878267	NC_021164.1	Ca_kabuli_chr05	8878267	TT	CC	1940326495
SNP_P1_91319_8878268	NC_021164.1	Ca_kabuli_chr05	8878268	CC	AA	1940326497
SNP_P1_91320_8878271	NC_021164.1	Ca_kabuli_chr05	8878271	TT	GG	1940326499
SNP_P1_91321_8878458	NC_021164.1	Ca_kabuli_chr05	8878458	TT	CC	1940326500
SNP_P1_91322_8878470	NC_021164.1	Ca_kabuli_chr05	8878470	CC	TT	1940326502
SNP_P1_91323_8878592	NC_021164.1	Ca_kabuli_chr05	8878592	TT	GG	1940326504
SNP_P1_91324_8878602	NC_021164.1	Ca_kabuli_chr05	8878602	GG	AA	1940326506
SNP_P1_91325_8878617	NC_021164.1	Ca_kabuli_chr05	8878617	CC	AA	1940326507
SNP_P1_91326_8879211	NC_021164.1	Ca_kabuli_chr05	8879211	AA	TT	1940326509
SNP_P1_91327_8879218	NC_021164.1	Ca_kabuli_chr05	8879218	CC	TT	1940326511
SNP_P1_91328_8882645	NC_021164.1	Ca_kabuli_chr05	8882645	CC	TT	1940326512
SNP_P1_91329_8882648	NC_021164.1	Ca_kabuli_chr05	8882648	AA	GG	1940326514
SNP_P1_91330_8882652	NC_021164.1	Ca_kabuli_chr05	8882652	GG	AA	1940326516
SNP_P1_91331_8883141	NC_021164.1	Ca_kabuli_chr05	8883141	GG	TT	1940326517
SNP_P1_91334_8883551	NC_021164.1	Ca_kabuli_chr05	8883551	CC	TT	1940326519
SNP_P1_91335_8883561	NC_021164.1	Ca_kabuli_chr05	8883561	CC	TT	1940326521
SNP_P1_91336_8883565	NC_021164.1	Ca_kabuli_chr05	8883565	CC	TT	1940326523
SNP_P1_91337_8883590	NC_021164.1	Ca_kabuli_chr05	8883590	GG	AA	1940326524
SNP_P1_91338_8883595	NC_021164.1	Ca_kabuli_chr05	8883595	GG	AA	1940326526
SNP_P1_91339_8883649	NC_021164.1	Ca_kabuli_chr05	8883649	TT	CC	1940326528
SNP_P1_91340_8885011	NC_021164.1	Ca_kabuli_chr05	8885011	AA	GG	1940326529
SNP_P1_91342_8918275	NC_021164.1	Ca_kabuli_chr05	8918275	TT	CC	1940326531
SNP_P1_91343_8918315	NC_021164.1	Ca_kabuli_chr05	8918315	AA	GG	1940326533
SNP_P1_91344_8918336	NC_021164.1	Ca_kabuli_chr05	8918336	TT	GG	1940326534
SNP_P1_91345_8918349	NC_021164.1	Ca_kabuli_chr05	8918349	AA	CC	1940326536
SNP_P1_91346_8918591	NC_021164.1	Ca_kabuli_chr05	8918591	TT	CC	1940326538
SNP_P1_91347_8918604	NC_021164.1	Ca_kabuli_chr05	8918604	TT	CC	1940326539
SNP_P1_91348_8918615	NC_021164.1	Ca_kabuli_chr05	8918615	TT	CC	1940326541
SNP_P1_91349_8918618	NC_021164.1	Ca_kabuli_chr05	8918618	AA	GG	1940326543
SNP_P1_91350_8918632	NC_021164.1	Ca_kabuli_chr05	8918632	CC	TT	1940326545
SNP_P1_91352_8924680	NC_021164.1	Ca_kabuli_chr05	8924680	GG	AA	1940326546
SNP_P1_91353_8924683	NC_021164.1	Ca_kabuli_chr05	8924683	GG	TT	1940326548
SNP_P1_91355_8927658	NC_021164.1	Ca_kabuli_chr05	8927658	AA	GG	1940326550

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91357_8927856	NC_021164.1	Ca_kabuli_chr05	8927856	TT	CC	1940326553
SNP_P1_91358_8928005	NC_021164.1	Ca_kabuli_chr05	8928005	CC	TT	1940326555
SNP_P1_91359_8928130	NC_021164.1	Ca_kabuli_chr05	8928130	GG	TT	1940326556
SNP_P1_91360_8928176	NC_021164.1	Ca_kabuli_chr05	8928176	CC	TT	1940326558
SNP_P1_91361_8928351	NC_021164.1	Ca_kabuli_chr05	8928351	CC	GG	1940326560
SNP_P1_91362_8929694	NC_021164.1	Ca_kabuli_chr05	8929694	CC	AA	1940326562
SNP_P1_91364_8929829	NC_021164.1	Ca_kabuli_chr05	8929829	AA	CC	1940326563
SNP_P1_91365_8929843	NC_021164.1	Ca_kabuli_chr05	8929843	TT	CC	1940326565
SNP_P1_91366_8929849	NC_021164.1	Ca_kabuli_chr05	8929849	GG	CC	1940326567
SNP_P1_91367_8929869	NC_021164.1	Ca_kabuli_chr05	8929869	CC	AA	1940326568
SNP_P1_91368_8929884	NC_021164.1	Ca_kabuli_chr05	8929884	GG	TT	1940326570
SNP_P1_91369_8929886	NC_021164.1	Ca_kabuli_chr05	8929886	CC	TT	1940326572
SNP_P1_91370_8930097	NC_021164.1	Ca_kabuli_chr05	8930097	TT	AA	1940326573
SNP_P1_91371_8930107	NC_021164.1	Ca_kabuli_chr05	8930107	AA	CC	1940326575
SNP_P1_91372_8930115	NC_021164.1	Ca_kabuli_chr05	8930115	AA	GG	1940326577
SNP_P1_91374_8930622	NC_021164.1	Ca_kabuli_chr05	8930622	GG	CC	1940326579
SNP_P1_91375_8930813	NC_021164.1	Ca_kabuli_chr05	8930813	TT	CC	1940326580
SNP_P1_91376_8930885	NC_021164.1	Ca_kabuli_chr05	8930885	CC	TT	1940326582
SNP_P1_91377_8931859	NC_021164.1	Ca_kabuli_chr05	8931859	AA	GG	1940326584
SNP_P1_91378_8934167	NC_021164.1	Ca_kabuli_chr05	8934167	CC	TT	1940326585
SNP_P1_91379_8934179	NC_021164.1	Ca_kabuli_chr05	8934179	CC	TT	1940326587
SNP_P1_91380_8934445	NC_021164.1	Ca_kabuli_chr05	8934445	TT	CC	1940326589
SNP_P1_91382_8935068	NC_021164.1	Ca_kabuli_chr05	8935068	TT	CC	1940326590
SNP_P1_91383_8935170	NC_021164.1	Ca_kabuli_chr05	8935170	AA	GG	1940326592
SNP_P1_91384_8935223	NC_021164.1	Ca_kabuli_chr05	8935223	CC	TT	1940326594
SNP_P1_91385_8935416	NC_021164.1	Ca_kabuli_chr05	8935416	CC	AA	1940326595
SNP_P1_91386_8935448	NC_021164.1	Ca_kabuli_chr05	8935448	CC	TT	1940326597
SNP_P1_91387_8935452	NC_021164.1	Ca_kabuli_chr05	8935452	AA	GG	1940326599
SNP_P1_91389_8936186	NC_021164.1	Ca_kabuli_chr05	8936186	GG	AA	1940326601
SNP_P1_91390_8936226	NC_021164.1	Ca_kabuli_chr05	8936226	CC	GG	1940326602
SNP_P1_91391_8936270	NC_021164.1	Ca_kabuli_chr05	8936270	TT	CC	1940326604
SNP_P1_91392_8936459	NC_021164.1	Ca_kabuli_chr05	8936459	TT	CC	1940326606
SNP_P1_91393_8936472	NC_021164.1	Ca_kabuli_chr05	8936472	AA	GG	1940326607
SNP_P1_91394_8936507	NC_021164.1	Ca_kabuli_chr05	8936507	AA	TT	1940326609
SNP_P1_91395_8936534	NC_021164.1	Ca_kabuli_chr05	8936534	GG	AA	1940326611
SNP_P1_91396_8936566	NC_021164.1	Ca_kabuli_chr05	8936566	TT	CC	1940326612
SNP_P1_91397_8936580	NC_021164.1	Ca_kabuli_chr05	8936580	TT	CC	1940326614
SNP_P1_91399_8937247	NC_021164.1	Ca_kabuli_chr05	8937247	AA	GG	1940326616
SNP_P1_91400_8937384	NC_021164.1	Ca_kabuli_chr05	8937384	TT	CC	1940326618
SNP_P1_91401_8937395	NC_021164.1	Ca_kabuli_chr05	8937395	AA	GG	1940326619
SNP_P1_91402_8937466	NC_021164.1	Ca_kabuli_chr05	8937466	CC	AA	1940326621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91404_8937513	NC_021164.1	Ca_kabuli_chr05	8937513	TT	CC	1940326624
SNP_P1_91405_8937540	NC_021164.1	Ca_kabuli_chr05	8937540	TT	CC	1940326626
SNP_P1_91406_8937651	NC_021164.1	Ca_kabuli_chr05	8937651	CC	TT	1940326628
SNP_P1_91407_8937697	NC_021164.1	Ca_kabuli_chr05	8937697	GG	TT	1940326629
SNP_P1_91408_8937699	NC_021164.1	Ca_kabuli_chr05	8937699	AA	GG	1940326631
SNP_P1_91410_8939004	NC_021164.1	Ca_kabuli_chr05	8939004	GG	AA	1940326633
SNP_P1_91411_8939192	NC_021164.1	Ca_kabuli_chr05	8939192	TT	GG	1940326635
SNP_P1_91412_8941980	NC_021164.1	Ca_kabuli_chr05	8941980	GG	TT	1940326636
SNP_P1_91413_8942254	NC_021164.1	Ca_kabuli_chr05	8942254	GG	AA	1940326638
SNP_P1_91414_8942309	NC_021164.1	Ca_kabuli_chr05	8942309	AA	TT	1940326640
SNP_P1_91415_8942351	NC_021164.1	Ca_kabuli_chr05	8942351	GG	AA	1940326641
SNP_P1_91416_8943072	NC_021164.1	Ca_kabuli_chr05	8943072	TT	CC	1940326643
SNP_P1_91417_8943553	NC_021164.1	Ca_kabuli_chr05	8943553	CC	GG	1940326645
SNP_P1_91418_8943964	NC_021164.1	Ca_kabuli_chr05	8943964	TT	CC	1940326646
SNP_P1_91419_8943984	NC_021164.1	Ca_kabuli_chr05	8943984	GG	AA	1940326648
SNP_P1_91420_8945439	NC_021164.1	Ca_kabuli_chr05	8945439	CC	TT	1940326650
SNP_P1_91422_8945680	NC_021164.1	Ca_kabuli_chr05	8945680	AA	CC	1940326652
SNP_P1_91423_8945682	NC_021164.1	Ca_kabuli_chr05	8945682	GG	CC	1940326653
SNP_P1_91424_8945752	NC_021164.1	Ca_kabuli_chr05	8945752	TT	CC	1940326655
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SNP_P1_91426_8945826	NC_021164.1	Ca_kabuli_chr05	8945826	AA	CC	1940326658
SNP_P1_91427_8945921	NC_021164.1	Ca_kabuli_chr05	8945921	AA	CC	1940326660
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SNP_P1_91430_8946558	NC_021164.1	Ca_kabuli_chr05	8946558	AA	GG	1940326663
SNP_P1_91431_8949052	NC_021164.1	Ca_kabuli_chr05	8949052	CC	GG	1940326665
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SNP_P1_91434_8952537	NC_021164.1	Ca_kabuli_chr05	8952537	GG	AA	1940326668
SNP_P1_91435_8953658	NC_021164.1	Ca_kabuli_chr05	8953658	AA	TT	1940326670
SNP_P1_91436_8953710	NC_021164.1	Ca_kabuli_chr05	8953710	TT	AA	1940326672
SNP_P1_91437_8954087	NC_021164.1	Ca_kabuli_chr05	8954087	AA	GG	1940326674
SNP_P1_91438_8955420	NC_021164.1	Ca_kabuli_chr05	8955420	TT	AA	1940326675
SNP_P1_91439_8956760	NC_021164.1	Ca_kabuli_chr05	8956760	TT	AA	1940326677
SNP_P1_91440_8956818	NC_021164.1	Ca_kabuli_chr05	8956818	AA	GG	1940326679
SNP_P1_91441_8957962	NC_021164.1	Ca_kabuli_chr05	8957962	CC	AA	1940326680
SNP_P1_91443_8958766	NC_021164.1	Ca_kabuli_chr05	8958766	CC	TT	1940326682
SNP_P1_91444_8958776	NC_021164.1	Ca_kabuli_chr05	8958776	CC	AA	1940326684
SNP_P1_91445_8958786	NC_021164.1	Ca_kabuli_chr05	8958786	AA	TT	1940326685
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SNP_P1_91447_8959053	NC_021164.1	Ca_kabuli_chr05	8959053	GG	AA	1940326689
SNP_P1_91448_8959125	NC_021164.1	Ca_kabuli_chr05	8959125	TT	CC	1940326690
SNP_P1_91449_8959708	NC_021164.1	Ca_kabuli_chr05	8959708	GG	AA	1940326692

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91452_8960347	NC_021164.1	Ca_kabuli_chr05	8960347	CC	AA	1940326697
SNP_P1_91453_8960653	NC_021164.1	Ca_kabuli_chr05	8960653	TT	CC	1940326699
SNP_P1_91454_8960787	NC_021164.1	Ca_kabuli_chr05	8960787	TT	CC	1940326701
SNP_P1_91455_8960808	NC_021164.1	Ca_kabuli_chr05	8960808	CC	TT	1940326702
SNP_P1_91456_8960830	NC_021164.1	Ca_kabuli_chr05	8960830	TT	CC	1940326704
SNP_P1_91457_8960853	NC_021164.1	Ca_kabuli_chr05	8960853	AA	GG	1940326706
SNP_P1_91458_8960867	NC_021164.1	Ca_kabuli_chr05	8960867	AA	TT	1940326707
SNP_P1_91459_8961049	NC_021164.1	Ca_kabuli_chr05	8961049	TT	CC	1940326709
SNP_P1_91460_8961053	NC_021164.1	Ca_kabuli_chr05	8961053	AA	GG	1940326711
SNP_P1_91461_8961058	NC_021164.1	Ca_kabuli_chr05	8961058	GG	AA	1940326713
SNP_P1_91462_8961059	NC_021164.1	Ca_kabuli_chr05	8961059	AA	CC	1940326714
SNP_P1_91463_8961078	NC_021164.1	Ca_kabuli_chr05	8961078	TT	GG	1940326716
SNP_P1_91464_8961114	NC_021164.1	Ca_kabuli_chr05	8961114	TT	CC	1940326718
SNP_P1_91465_8961120	NC_021164.1	Ca_kabuli_chr05	8961120	AA	CC	1940326719
SNP_P1_91466_8961406	NC_021164.1	Ca_kabuli_chr05	8961406	AA	GG	1940326721
SNP_P1_91467_8961443	NC_021164.1	Ca_kabuli_chr05	8961443	AA	TT	1940326723
SNP_P1_91468_8961791	NC_021164.1	Ca_kabuli_chr05	8961791	AA	GG	1940326724
SNP_P1_91469_8961859	NC_021164.1	Ca_kabuli_chr05	8961859	CC	TT	1940326726
SNP_P1_91470_8962135	NC_021164.1	Ca_kabuli_chr05	8962135	CC	TT	1940326728
SNP_P1_91471_8962165	NC_021164.1	Ca_kabuli_chr05	8962165	CC	GG	1940326730
SNP_P1_91472_8962171	NC_021164.1	Ca_kabuli_chr05	8962171	GG	AA	1940326731
SNP_P1_91473_8962201	NC_021164.1	Ca_kabuli_chr05	8962201	AA	GG	1940326733
SNP_P1_91474_8964065	NC_021164.1	Ca_kabuli_chr05	8964065	AA	CC	1940326735
SNP_P1_91476_8964391	NC_021164.1	Ca_kabuli_chr05	8964391	AA	GG	1940326736
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SNP_P1_91478_8969365	NC_021164.1	Ca_kabuli_chr05	8969365	CC	TT	1940326740
SNP_P1_91479_8969526	NC_021164.1	Ca_kabuli_chr05	8969526	AA	GG	1940326741
SNP_P1_91481_8970192	NC_021164.1	Ca_kabuli_chr05	8970192	TT	AA	1940326743
SNP_P1_91482_8970235	NC_021164.1	Ca_kabuli_chr05	8970235	TT	CC	1940326745
SNP_P1_91483_8970241	NC_021164.1	Ca_kabuli_chr05	8970241	GG	AA	1940326747
SNP_P1_91484_8970282	NC_021164.1	Ca_kabuli_chr05	8970282	TT	CC	1940326748
SNP_P1_91485_8970614	NC_021164.1	Ca_kabuli_chr05	8970614	TT	GG	1940326750
SNP_P1_91487_8970787	NC_021164.1	Ca_kabuli_chr05	8970787	TT	AA	1940326752
SNP_P1_91488_8972691	NC_021164.1	Ca_kabuli_chr05	8972691	TT	AA	1940326753
SNP_P1_91489_8973298	NC_021164.1	Ca_kabuli_chr05	8973298	GG	AA	1940326755
SNP_P1_91490_8974327	NC_021164.1	Ca_kabuli_chr05	8974327	TT	GG	1940326757
SNP_P1_91491_8975162	NC_021164.1	Ca_kabuli_chr05	8975162	GG	AA	1940326758
SNP_P1_91492_8975227	NC_021164.1	Ca_kabuli_chr05	8975227	TT	CC	1940326760
SNP_P1_91493_8975239	NC_021164.1	Ca_kabuli_chr05	8975239	GG	AA	1940326762
SNP_P1_91494_8975254	NC_021164.1	Ca_kabuli_chr05	8975254	TT	CC	1940326763

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_91495_8975374	NC_021164.1	Ca_kabuli_chr05	8975374	TT	AA	1940326765
SNP_P1_91498_8975530	NC_021164.1	Ca_kabuli_chr05	8975530	CC	TT	1940326767
SNP_P1_91499_8975568	NC_021164.1	Ca_kabuli_chr05	8975568	AA	TT	1940326769
SNP_P1_91501_8975644	NC_021164.1	Ca_kabuli_chr05	8975644	CC	GG	1940326770
SNP_P1_91502_8975681	NC_021164.1	Ca_kabuli_chr05	8975681	CC	AA	1940326772
SNP_P1_91503_8975945	NC_021164.1	Ca_kabuli_chr05	8975945	TT	GG	1940326774
SNP_P1_91504_8975952	NC_021164.1	Ca_kabuli_chr05	8975952	AA	TT	1940326775
SNP_P1_91505_8993096	NC_021164.1	Ca_kabuli_chr05	8993096	CC	TT	1940326777
SNP_P1_91506_8997460	NC_021164.1	Ca_kabuli_chr05	8997460	CC	AA	1940326779
SNP_P1_91507_8997989	NC_021164.1	Ca_kabuli_chr05	8997989	TT	CC	1940326780
SNP_P1_91509_8998605	NC_021164.1	Ca_kabuli_chr05	8998605	AA	TT	1940326782
SNP_P1_91510_8998862	NC_021164.1	Ca_kabuli_chr05	8998862	TT	CC	1940326784
SNP_P1_91511_8998951	NC_021164.1	Ca_kabuli_chr05	8998951	AA	GG	1940326786
SNP_P1_91512_8999002	NC_021164.1	Ca_kabuli_chr05	8999002	TT	AA	1940326787
SNP_P1_91513_8999030	NC_021164.1	Ca_kabuli_chr05	8999030	TT	CC	1940326789
SNP_P1_91514_8999224	NC_021164.1	Ca_kabuli_chr05	8999224	CC	TT	1940326791
SNP_P1_91515_8999349	NC_021164.1	Ca_kabuli_chr05	8999349	CC	TT	1940326792
SNP_P1_91516_8999377	NC_021164.1	Ca_kabuli_chr05	8999377	TT	GG	1940326794
SNP_P1_91517_8999409	NC_021164.1	Ca_kabuli_chr05	8999409	GG	CC	1940326796
SNP_P1_91518_8999559	NC_021164.1	Ca_kabuli_chr05	8999559	GG	AA	1940326797
SNP_P1_91519_8999593	NC_021164.1	Ca_kabuli_chr05	8999593	TT	GG	1940326799
SNP_P1_91520_8999612	NC_021164.1	Ca_kabuli_chr05	8999612	CC	AA	1940326801
SNP_P1_91521_8999629	NC_021164.1	Ca_kabuli_chr05	8999629	CC	AA	1940326803
SNP_P1_91522_8999636	NC_021164.1	Ca_kabuli_chr05	8999636	GG	AA	1940326804
SNP_P1_91524_8999842	NC_021164.1	Ca_kabuli_chr05	8999842	AA	GG	1940326806
SNP_P1_91525_8999930	NC_021164.1	Ca_kabuli_chr05	8999930	GG	AA	1940326808
SNP_P1_91526_8999969	NC_021164.1	Ca_kabuli_chr05	8999969	CC	AA	1940326809
SNP_P1_91527_9000017	NC_021164.1	Ca_kabuli_chr05	9000017	AA	GG	1940326811
SNP_P1_91528_9000191	NC_021164.1	Ca_kabuli_chr05	9000191	CC	TT	1940326813
SNP_P1_91529_9000338	NC_021164.1	Ca_kabuli_chr05	9000338	CC	TT	1940326814
SNP_P1_91530_9000400	NC_021164.1	Ca_kabuli_chr05	9000400	AA	TT	1940326816
SNP_P1_91531_9001422	NC_021164.1	Ca_kabuli_chr05	9001422	GG	AA	1940326818
SNP_P1_91532_9001429	NC_021164.1	Ca_kabuli_chr05	9001429	GG	AA	1940326819
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SNP_P1_91534_9001840	NC_021164.1	Ca_kabuli_chr05	9001840	CC	TT	1940326823
SNP_P1_91537_9002974	NC_021164.1	Ca_kabuli_chr05	9002974	TT	AA	1940326825
SNP_P1_91538_9002975	NC_021164.1	Ca_kabuli_chr05	9002975	TT	AA	1940326826
SNP_P1_91540_9003298	NC_021164.1	Ca_kabuli_chr05	9003298	TT	CC	1940326828
SNP_P1_91541_9003818	NC_021164.1	Ca_kabuli_chr05	9003818	CC	GG	1940326830
SNP_P1_91542_9003819	NC_021164.1	Ca_kabuli_chr05	9003819	TT	GG	1940326831
SNP_P1_91543_9008335	NC_021164.1	Ca_kabuli_chr05	9008335	GG	AA	1940326833
SNP_P1_91544_9010464	NC_021164.1	Ca_kabuli_chr05	9010464	AA	GG	1940326835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91546_9010971	NC_021164.1	Ca_kabuli_chr05	9010971	TT	CC	1940326838
SNP_P1_91547_9010977	NC_021164.1	Ca_kabuli_chr05	9010977	CC	TT	1940326840
SNP_P1_91548_9011022	NC_021164.1	Ca_kabuli_chr05	9011022	TT	CC	1940326841
SNP_P1_91550_9011728	NC_021164.1	Ca_kabuli_chr05	9011728	GG	AA	1940326843
SNP_P1_91551_9011757	NC_021164.1	Ca_kabuli_chr05	9011757	GG	AA	1940326845
SNP_P1_91552_9011771	NC_021164.1	Ca_kabuli_chr05	9011771	CC	TT	1940326847
SNP_P1_91553_9011973	NC_021164.1	Ca_kabuli_chr05	9011973	CC	TT	1940326848
SNP_P1_91554_9012055	NC_021164.1	Ca_kabuli_chr05	9012055	AA	GG	1940326850
SNP_P1_91555_9012181	NC_021164.1	Ca_kabuli_chr05	9012181	AA	TT	1940326852
SNP_P1_91556_9012314	NC_021164.1	Ca_kabuli_chr05	9012314	GG	AA	1940326853
SNP_P1_91559_9012600	NC_021164.1	Ca_kabuli_chr05	9012600	GG	TT	1940326855
SNP_P1_91560_9012625	NC_021164.1	Ca_kabuli_chr05	9012625	CC	TT	1940326857
SNP_P1_91561_9012709	NC_021164.1	Ca_kabuli_chr05	9012709	TT	CC	1940326859
SNP_P1_91562_9012841	NC_021164.1	Ca_kabuli_chr05	9012841	TT	CC	1940326860
SNP_P1_91563_9012869	NC_021164.1	Ca_kabuli_chr05	9012869	CC	TT	1940326862
SNP_P1_91564_9013201	NC_021164.1	Ca_kabuli_chr05	9013201	TT	AA	1940326864
SNP_P1_91565_9013248	NC_021164.1	Ca_kabuli_chr05	9013248	AA	GG	1940326865
SNP_P1_91566_9013262	NC_021164.1	Ca_kabuli_chr05	9013262	GG	AA	1940326867
SNP_P1_91567_9013980	NC_021164.1	Ca_kabuli_chr05	9013980	CC	AA	1940326869
SNP_P1_91568_9014168	NC_021164.1	Ca_kabuli_chr05	9014168	CC	TT	1940326870
SNP_P1_91569_9014952	NC_021164.1	Ca_kabuli_chr05	9014952	GG	AA	1940326872
SNP_P1_91570_9015104	NC_021164.1	Ca_kabuli_chr05	9015104	CC	TT	1940326874
SNP_P1_91571_9015123	NC_021164.1	Ca_kabuli_chr05	9015123	TT	GG	1940326875
SNP_P1_91572_9015151	NC_021164.1	Ca_kabuli_chr05	9015151	TT	CC	1940326877
SNP_P1_91573_9015221	NC_021164.1	Ca_kabuli_chr05	9015221	GG	CC	1940326879
SNP_P1_91575_9015495	NC_021164.1	Ca_kabuli_chr05	9015495	AA	GG	1940326881
SNP_P1_91576_9015596	NC_021164.1	Ca_kabuli_chr05	9015596	AA	GG	1940326882
SNP_P1_91578_9015625	NC_021164.1	Ca_kabuli_chr05	9015625	GG	AA	1940326884
SNP_P1_91580_9015957	NC_021164.1	Ca_kabuli_chr05	9015957	CC	TT	1940326886
SNP_P1_91581_9015984	NC_021164.1	Ca_kabuli_chr05	9015984	AA	GG	1940326887
SNP_P1_91582_9015999	NC_021164.1	Ca_kabuli_chr05	9015999	TT	AA	1940326889
SNP_P1_91583_9016180	NC_021164.1	Ca_kabuli_chr05	9016180	TT	CC	1940326891
SNP_P1_91584_9016181	NC_021164.1	Ca_kabuli_chr05	9016181	TT	GG	1940326892
SNP_P1_91585_9016188	NC_021164.1	Ca_kabuli_chr05	9016188	AA	GG	1940326894
SNP_P1_91586_9016226	NC_021164.1	Ca_kabuli_chr05	9016226	GG	AA	1940326896
SNP_P1_91587_9016247	NC_021164.1	Ca_kabuli_chr05	9016247	CC	TT	1940326898
SNP_P1_91588_9016283	NC_021164.1	Ca_kabuli_chr05	9016283	CC	AA	1940326899
SNP_P1_91589_9016355	NC_021164.1	Ca_kabuli_chr05	9016355	TT	GG	1940326901
SNP_P1_91590_9016396	NC_021164.1	Ca_kabuli_chr05	9016396	GG	TT	1940326903
SNP_P1_91591_9018543	NC_021164.1	Ca_kabuli_chr05	9018543	AA	GG	1940326904
SNP_P1_91592_9018695	NC_021164.1	Ca_kabuli_chr05	9018695	AA	GG	1940326906

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91594_9020306	NC_021164.1	Ca_kabuli_chr05	9020306	AA	GG	1940326909
SNP_P1_91595_9020744	NC_021164.1	Ca_kabuli_chr05	9020744	TT	GG	1940326911
SNP_P1_91596_9021628	NC_021164.1	Ca_kabuli_chr05	9021628	TT	CC	1940326913
SNP_P1_91597_9021847	NC_021164.1	Ca_kabuli_chr05	9021847	CC	AA	1940326915
SNP_P1_91598_9022035	NC_021164.1	Ca_kabuli_chr05	9022035	GG	TT	1940326916
SNP_P1_91599_9022554	NC_021164.1	Ca_kabuli_chr05	9022554	TT	GG	1940326918
SNP_P1_91601_9023891	NC_021164.1	Ca_kabuli_chr05	9023891	CC	TT	1940326920
SNP_P1_91603_9026725	NC_021164.1	Ca_kabuli_chr05	9026725	TT	CC	1940326921
SNP_P1_91604_9026794	NC_021164.1	Ca_kabuli_chr05	9026794	CC	GG	1940326923
SNP_P1_91605_9028866	NC_021164.1	Ca_kabuli_chr05	9028866	TT	CC	1940326925
SNP_P1_91606_9030051	NC_021164.1	Ca_kabuli_chr05	9030051	CC	AA	1940326926
SNP_P1_91607_9031101	NC_021164.1	Ca_kabuli_chr05	9031101	GG	AA	1940326928
SNP_P1_91609_9032552	NC_021164.1	Ca_kabuli_chr05	9032552	TT	CC	1940326930
SNP_P1_91610_9034454	NC_021164.1	Ca_kabuli_chr05	9034454	AA	GG	1940326931
SNP_P1_91611_9035503	NC_021164.1	Ca_kabuli_chr05	9035503	AA	TT	1940326933
SNP_P1_91612_9035550	NC_021164.1	Ca_kabuli_chr05	9035550	CC	TT	1940326935
SNP_P1_91613_9074238	NC_021164.1	Ca_kabuli_chr05	9074238	AA	GG	1940326937
SNP_P1_91614_9074240	NC_021164.1	Ca_kabuli_chr05	9074240	AA	CC	1940326938
SNP_P1_91615_9074241	NC_021164.1	Ca_kabuli_chr05	9074241	CC	TT	1940326940
SNP_P1_91616_9074254	NC_021164.1	Ca_kabuli_chr05	9074254	GG	AA	1940326942
SNP_P1_91617_9074262	NC_021164.1	Ca_kabuli_chr05	9074262	AA	GG	1940326943
SNP_P1_91619_9076089	NC_021164.1	Ca_kabuli_chr05	9076089	AA	GG	1940326945
SNP_P1_91620_9078195	NC_021164.1	Ca_kabuli_chr05	9078195	GG	AA	1940326947
SNP_P1_91621_9078200	NC_021164.1	Ca_kabuli_chr05	9078200	TT	CC	1940326948
SNP_P1_91622_9078219	NC_021164.1	Ca_kabuli_chr05	9078219	TT	CC	1940326950
SNP_P1_91623_9078275	NC_021164.1	Ca_kabuli_chr05	9078275	AA	TT	1940326952
SNP_P1_91624_9079532	NC_021164.1	Ca_kabuli_chr05	9079532	CC	TT	1940326954
SNP_P1_91625_9087083	NC_021164.1	Ca_kabuli_chr05	9087083	AA	TT	1940326955
SNP_P1_91626_9088687	NC_021164.1	Ca_kabuli_chr05	9088687	GG	TT	1940326957
SNP_P1_91627_9089708	NC_021164.1	Ca_kabuli_chr05	9089708	CC	AA	1940326959
SNP_P1_91628_9089830	NC_021164.1	Ca_kabuli_chr05	9089830	AA	TT	1940326960
SNP_P1_91629_9090132	NC_021164.1	Ca_kabuli_chr05	9090132	CC	AA	1940326962
SNP_P1_91630_9090753	NC_021164.1	Ca_kabuli_chr05	9090753	CC	AA	1940326964
SNP_P1_91631_9090881	NC_021164.1	Ca_kabuli_chr05	9090881	CC	TT	1940326965
SNP_P1_91632_9091072	NC_021164.1	Ca_kabuli_chr05	9091072	AA	GG	1940326967
SNP_P1_91633_9091216	NC_021164.1	Ca_kabuli_chr05	9091216	TT	CC	1940326969
SNP_P1_91634_9091269	NC_021164.1	Ca_kabuli_chr05	9091269	GG	AA	1940326971
SNP_P1_91635_9091314	NC_021164.1	Ca_kabuli_chr05	9091314	GG	AA	1940326972
SNP_P1_91636_9091519	NC_021164.1	Ca_kabuli_chr05	9091519	AA	GG	1940326974
SNP_P1_91637_9091601	NC_021164.1	Ca_kabuli_chr05	9091601	CC	TT	1940326976
SNP_P1_91638_9091617	NC_021164.1	Ca_kabuli_chr05	9091617	AA	GG	1940326977

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91640_9091691	NC_021164.1	Ca_kabuli_chr05	9091691	CC	TT	1940326981
SNP_P1_91641_9091726	NC_021164.1	Ca_kabuli_chr05	9091726	TT	GG	1940326982
SNP_P1_91642_9091727	NC_021164.1	Ca_kabuli_chr05	9091727	AA	GG	1940326984
SNP_P1_91643_9091751	NC_021164.1	Ca_kabuli_chr05	9091751	CC	GG	1940326986
SNP_P1_91644_9091768	NC_021164.1	Ca_kabuli_chr05	9091768	AA	GG	1940326987
SNP_P1_91645_9092240	NC_021164.1	Ca_kabuli_chr05	9092240	AA	GG	1940326989
SNP_P1_91646_9092276	NC_021164.1	Ca_kabuli_chr05	9092276	GG	AA	1940326991
SNP_P1_91647_9092328	NC_021164.1	Ca_kabuli_chr05	9092328	TT	CC	1940326993
SNP_P1_91648_9092459	NC_021164.1	Ca_kabuli_chr05	9092459	TT	GG	1940326994
SNP_P1_91649_9092976	NC_021164.1	Ca_kabuli_chr05	9092976	TT	CC	1940326996
SNP_P1_91650_9093030	NC_021164.1	Ca_kabuli_chr05	9093030	AA	GG	1940326998
SNP_P1_91651_9093457	NC_021164.1	Ca_kabuli_chr05	9093457	CC	TT	1940326999
SNP_P1_91652_9096194	NC_021164.1	Ca_kabuli_chr05	9096194	CC	GG	1940327001
SNP_P1_91653_9099393	NC_021164.1	Ca_kabuli_chr05	9099393	TT	CC	1940327003
SNP_P1_91654_9099527	NC_021164.1	Ca_kabuli_chr05	9099527	CC	TT	1940327004
SNP_P1_91655_9099560	NC_021164.1	Ca_kabuli_chr05	9099560	CC	TT	1940327006
SNP_P1_91656_9099620	NC_021164.1	Ca_kabuli_chr05	9099620	AA	GG	1940327008
SNP_P1_91657_9100561	NC_021164.1	Ca_kabuli_chr05	9100561	AA	TT	1940327010
SNP_P1_91658_9100695	NC_021164.1	Ca_kabuli_chr05	9100695	CC	AA	1940327011
SNP_P1_91659_9101289	NC_021164.1	Ca_kabuli_chr05	9101289	AA	GG	1940327013
SNP_P1_91660_9101461	NC_021164.1	Ca_kabuli_chr05	9101461	AA	GG	1940327015
SNP_P1_91661_9102995	NC_021164.1	Ca_kabuli_chr05	9102995	AA	TT	1940327016
SNP_P1_91662_9103315	NC_021164.1	Ca_kabuli_chr05	9103315	TT	CC	1940327018
SNP_P1_91663_9104618	NC_021164.1	Ca_kabuli_chr05	9104618	AA	GG	1940327020
SNP_P1_91664_9104915	NC_021164.1	Ca_kabuli_chr05	9104915	AA	GG	1940327021
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SNP_P1_91666_9107335	NC_021164.1	Ca_kabuli_chr05	9107335	CC	TT	1940327025
SNP_P1_91667_9107577	NC_021164.1	Ca_kabuli_chr05	9107577	CC	TT	1940327026
SNP_P1_91668_9108483	NC_021164.1	Ca_kabuli_chr05	9108483	GG	TT	1940327028
SNP_P1_91669_9109424	NC_021164.1	Ca_kabuli_chr05	9109424	AA	TT	1940327030
SNP_P1_91670_9112290	NC_021164.1	Ca_kabuli_chr05	9112290	AA	GG	1940327032
SNP_P1_91672_9113439	NC_021164.1	Ca_kabuli_chr05	9113439	TT	CC	1940327033
SNP_P1_91673_9113681	NC_021164.1	Ca_kabuli_chr05	9113681	TT	CC	1940327035
SNP_P1_91674_9113751	NC_021164.1	Ca_kabuli_chr05	9113751	GG	AA	1940327037
SNP_P1_91675_9114210	NC_021164.1	Ca_kabuli_chr05	9114210	CC	GG	1940327038
SNP_P1_91676_9115399	NC_021164.1	Ca_kabuli_chr05	9115399	AA	GG	1940327040
SNP_P1_91677_9115451	NC_021164.1	Ca_kabuli_chr05	9115451	GG	AA	1940327042
SNP_P1_91678_9115495	NC_021164.1	Ca_kabuli_chr05	9115495	CC	AA	1940327043
SNP_P1_91679_9116568	NC_021164.1	Ca_kabuli_chr05	9116568	AA	GG	1940327045
SNP_P1_91680_9116927	NC_021164.1	Ca_kabuli_chr05	9116927	TT	CC	1940327047
SNP_P1_91681_9117220	NC_021164.1	Ca_kabuli_chr05	9117220	TT	CC	1940327049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91683_9122114	NC_021164.1	Ca_kabuli_chr05	9122114	AA	TT	1940327052
SNP_P1_91686_9124481	NC_021164.1	Ca_kabuli_chr05	9124481	CC	TT	1940327054
SNP_P1_91687_9124502	NC_021164.1	Ca_kabuli_chr05	9124502	TT	AA	1940327055
SNP_P1_91688_9124503	NC_021164.1	Ca_kabuli_chr05	9124503	CC	AA	1940327057
SNP_P1_91689_9124837	NC_021164.1	Ca_kabuli_chr05	9124837	GG	CC	1940327059
SNP_P1_91690_9124850	NC_021164.1	Ca_kabuli_chr05	9124850	TT	GG	1940327060
SNP_P1_91691_9126095	NC_021164.1	Ca_kabuli_chr05	9126095	TT	CC	1940327062
SNP_P1_91692_9126575	NC_021164.1	Ca_kabuli_chr05	9126575	AA	GG	1940327064
SNP_P1_91693_9126579	NC_021164.1	Ca_kabuli_chr05	9126579	GG	CC	1940327065
SNP_P1_91694_9126596	NC_021164.1	Ca_kabuli_chr05	9126596	GG	AA	1940327067
SNP_P1_91695_9129206	NC_021164.1	Ca_kabuli_chr05	9129206	GG	CC	1940327069
SNP_P1_91696_9129257	NC_021164.1	Ca_kabuli_chr05	9129257	TT	CC	1940327071
SNP_P1_91697_9129898	NC_021164.1	Ca_kabuli_chr05	9129898	CC	GG	1940327072
SNP_P1_91698_9129903	NC_021164.1	Ca_kabuli_chr05	9129903	AA	GG	1940327074
SNP_P1_91699_9130148	NC_021164.1	Ca_kabuli_chr05	9130148	CC	AA	1940327076
SNP_P1_91700_9130160	NC_021164.1	Ca_kabuli_chr05	9130160	CC	AA	1940327077
SNP_P1_91701_9130500	NC_021164.1	Ca_kabuli_chr05	9130500	AA	GG	1940327079
SNP_P1_91702_9131121	NC_021164.1	Ca_kabuli_chr05	9131121	CC	TT	1940327081
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SNP_P1_91704_9131428	NC_021164.1	Ca_kabuli_chr05	9131428	TT	GG	1940327084
SNP_P1_91705_9131478	NC_021164.1	Ca_kabuli_chr05	9131478	AA	GG	1940327086
SNP_P1_91707_9132551	NC_021164.1	Ca_kabuli_chr05	9132551	CC	TT	1940327088
SNP_P1_91708_9132558	NC_021164.1	Ca_kabuli_chr05	9132558	AA	GG	1940327089
SNP_P1_91709_9132563	NC_021164.1	Ca_kabuli_chr05	9132563	TT	GG	1940327091
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SNP_P1_91712_9133050	NC_021164.1	Ca_kabuli_chr05	9133050	TT	AA	1940327094
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SNP_P1_91715_9134157	NC_021164.1	Ca_kabuli_chr05	9134157	TT	CC	1940327098
SNP_P1_91717_9135600	NC_021164.1	Ca_kabuli_chr05	9135600	GG	AA	1940327099
SNP_P1_91718_9135779	NC_021164.1	Ca_kabuli_chr05	9135779	CC	TT	1940327101
SNP_P1_91719_9135798	NC_021164.1	Ca_kabuli_chr05	9135798	AA	GG	1940327103
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SNP_P1_91721_9135808	NC_021164.1	Ca_kabuli_chr05	9135808	TT	AA	1940327106
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SNP_P1_91725_9136063	NC_021164.1	Ca_kabuli_chr05	9136063	AA	GG	1940327113
SNP_P1_91726_9136147	NC_021164.1	Ca_kabuli_chr05	9136147	TT	AA	1940327115
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91732_9138401	NC_021164.1	Ca_kabuli_chr05	9138401	GG	AA	1940327125
SNP_P1_91733_9138444	NC_021164.1	Ca_kabuli_chr05	9138444	CC	TT	1940327127
SNP_P1_91734_9138510	NC_021164.1	Ca_kabuli_chr05	9138510	TT	CC	1940327128
SNP_P1_91735_9138646	NC_021164.1	Ca_kabuli_chr05	9138646	TT	GG	1940327130
SNP_P1_91736_9139177	NC_021164.1	Ca_kabuli_chr05	9139177	TT	AA	1940327132
SNP_P1_91737_9139181	NC_021164.1	Ca_kabuli_chr05	9139181	TT	CC	1940327133
SNP_P1_91738_9139854	NC_021164.1	Ca_kabuli_chr05	9139854	AA	GG	1940327135
SNP_P1_91739_9139856	NC_021164.1	Ca_kabuli_chr05	9139856	TT	CC	1940327137
SNP_P1_91740_9140371	NC_021164.1	Ca_kabuli_chr05	9140371	GG	AA	1940327138
SNP_P1_91741_9140372	NC_021164.1	Ca_kabuli_chr05	9140372	AA	CC	1940327140
SNP_P1_91743_9140722	NC_021164.1	Ca_kabuli_chr05	9140722	CC	TT	1940327142
SNP_P1_91744_9140745	NC_021164.1	Ca_kabuli_chr05	9140745	CC	TT	1940327144
SNP_P1_91745_9140869	NC_021164.1	Ca_kabuli_chr05	9140869	TT	CC	1940327145
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SNP_P1_91748_9141015	NC_021164.1	Ca_kabuli_chr05	9141015	CC	TT	1940327149
SNP_P1_91749_9141102	NC_021164.1	Ca_kabuli_chr05	9141102	AA	GG	1940327150
SNP_P1_91750_9141386	NC_021164.1	Ca_kabuli_chr05	9141386	TT	CC	1940327152
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SNP_P1_91753_9141528	NC_021164.1	Ca_kabuli_chr05	9141528	TT	CC	1940327157
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SNP_P1_91761_9142779	NC_021164.1	Ca_kabuli_chr05	9142779	AA	GG	1940327171
SNP_P1_91762_9142879	NC_021164.1	Ca_kabuli_chr05	9142879	TT	CC	1940327172
SNP_P1_91763_9142897	NC_021164.1	Ca_kabuli_chr05	9142897	TT	CC	1940327174
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SNP_P1_91765_9143105	NC_021164.1	Ca_kabuli_chr05	9143105	AA	GG	1940327178
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SNP_P1_91768_9143435	NC_021164.1	Ca_kabuli_chr05	9143435	CC	TT	1940327183
SNP_P1_91769_9143523	NC_021164.1	Ca_kabuli_chr05	9143523	AA	GG	1940327184
SNP_P1_91770_9143557	NC_021164.1	Ca_kabuli_chr05	9143557	CC	AA	1940327186
SNP_P1_91771_9143564	NC_021164.1	Ca_kabuli_chr05	9143564	CC	TT	1940327188
SNP_P1_91772_9144709	NC_021164.1	Ca_kabuli_chr05	9144709	AA	GG	1940327189
SNP_P1_91773_9144965	NC_021164.1	Ca_kabuli_chr05	9144965	GG	AA	1940327191

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91779_9146036	NC_021164.1	Ca_kabuli_chr05	9146036	CC	TT	1940327200
SNP_P1_91780_9146302	NC_021164.1	Ca_kabuli_chr05	9146302	GG	AA	1940327201
SNP_P1_91781_9146372	NC_021164.1	Ca_kabuli_chr05	9146372	GG	AA	1940327203
SNP_P1_91782_9147957	NC_021164.1	Ca_kabuli_chr05	9147957	CC	TT	1940327205
SNP_P1_91783_9147960	NC_021164.1	Ca_kabuli_chr05	9147960	CC	TT	1940327206
SNP_P1_91784_9148066	NC_021164.1	Ca_kabuli_chr05	9148066	CC	AA	1940327208
SNP_P1_91785_9148129	NC_021164.1	Ca_kabuli_chr05	9148129	TT	CC	1940327210
SNP_P1_91786_9148804	NC_021164.1	Ca_kabuli_chr05	9148804	TT	CC	1940327211
SNP_P1_91788_9149101	NC_021164.1	Ca_kabuli_chr05	9149101	GG	AA	1940327213
SNP_P1_91789_9149913	NC_021164.1	Ca_kabuli_chr05	9149913	AA	CC	1940327215
SNP_P1_91790_9150885	NC_021164.1	Ca_kabuli_chr05	9150885	CC	TT	1940327217
SNP_P1_91791_9151272	NC_021164.1	Ca_kabuli_chr05	9151272	AA	CC	1940327218
SNP_P1_91792_9151801	NC_021164.1	Ca_kabuli_chr05	9151801	AA	TT	1940327220
SNP_P1_91793_9151951	NC_021164.1	Ca_kabuli_chr05	9151951	CC	TT	1940327222
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SNP_P1_91795_9152013	NC_021164.1	Ca_kabuli_chr05	9152013	CC	TT	1940327225
SNP_P1_91796_9154682	NC_021164.1	Ca_kabuli_chr05	9154682	AA	GG	1940327227
SNP_P1_91798_9156280	NC_021164.1	Ca_kabuli_chr05	9156280	TT	GG	1940327228
SNP_P1_91799_9157934	NC_021164.1	Ca_kabuli_chr05	9157934	CC	TT	1940327230
SNP_P1_91800_9157999	NC_021164.1	Ca_kabuli_chr05	9157999	GG	AA	1940327232
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SNP_P1_91802_9159622	NC_021164.1	Ca_kabuli_chr05	9159622	GG	AA	1940327235
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SNP_P1_91806_9161322	NC_021164.1	Ca_kabuli_chr05	9161322	GG	AA	1940327240
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SNP_P1_91809_9162036	NC_021164.1	Ca_kabuli_chr05	9162036	CC	TT	1940327244
SNP_P1_91810_9162306	NC_021164.1	Ca_kabuli_chr05	9162306	TT	AA	1940327246
SNP_P1_91812_9162643	NC_021164.1	Ca_kabuli_chr05	9162643	AA	GG	1940327247
SNP_P1_91813_9162664	NC_021164.1	Ca_kabuli_chr05	9162664	CC	TT	1940327249
SNP_P1_91814_9162680	NC_021164.1	Ca_kabuli_chr05	9162680	CC	TT	1940327251
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SNP_P1_91816_9162729	NC_021164.1	Ca_kabuli_chr05	9162729	GG	AA	1940327254
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SNP_P1_91820_9163050	NC_021164.1	Ca_kabuli_chr05	9163050	CC	TT	1940327261
SNP_P1_91821_9163202	NC_021164.1	Ca_kabuli_chr05	9163202	AA	GG	1940327262

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91826_9163879	NC_021164.1	Ca_kabuli_chr05	9163879	CC	AA	1940327268
SNP_P1_91827_9164165	NC_021164.1	Ca_kabuli_chr05	9164165	TT	GG	1940327269
SNP_P1_91828_9164335	NC_021164.1	Ca_kabuli_chr05	9164335	TT	CC	1940327271
SNP_P1_91829_9164336	NC_021164.1	Ca_kabuli_chr05	9164336	GG	AA	1940327273
SNP_P1_91830_9164398	NC_021164.1	Ca_kabuli_chr05	9164398	GG	AA	1940327274
SNP_P1_91831_9164617	NC_021164.1	Ca_kabuli_chr05	9164617	GG	AA	1940327276
SNP_P1_91832_9164637	NC_021164.1	Ca_kabuli_chr05	9164637	GG	AA	1940327278
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SNP_P1_91834_9164645	NC_021164.1	Ca_kabuli_chr05	9164645	CC	TT	1940327281
SNP_P1_91835_9164688	NC_021164.1	Ca_kabuli_chr05	9164688	AA	TT	1940327283
SNP_P1_91836_9168427	NC_021164.1	Ca_kabuli_chr05	9168427	AA	GG	1940327285
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SNP_P1_91839_9171231	NC_021164.1	Ca_kabuli_chr05	9171231	GG	AA	1940327290
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SNP_P1_91845_9171992	NC_021164.1	Ca_kabuli_chr05	9171992	CC	TT	1940327300
SNP_P1_91846_9172027	NC_021164.1	Ca_kabuli_chr05	9172027	AA	GG	1940327302
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SNP_P1_91865_9176827	NC_021164.1	Ca_kabuli_chr05	9176827	CC	TT	1940327329
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SNP_P1_91867_9176901	NC_021164.1	Ca_kabuli_chr05	9176901	TT	CC	1940327332
SNP_P1_91868_9177138	NC_021164.1	Ca_kabuli_chr05	9177138	CC	TT	1940327334

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SNP_P1_91871_9177482	NC_021164.1	Ca_kabuli_chr05	9177482	CC	AA	1940327339
SNP_P1_91872_9177493	NC_021164.1	Ca_kabuli_chr05	9177493	AA	GG	1940327341
SNP_P1_91873_9177521	NC_021164.1	Ca_kabuli_chr05	9177521	TT	AA	1940327342
SNP_P1_91874_9177541	NC_021164.1	Ca_kabuli_chr05	9177541	AA	GG	1940327344
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SNP_P1_91878_9178374	NC_021164.1	Ca_kabuli_chr05	9178374	CC	AA	1940327351
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SNP_P1_91882_9178598	NC_021164.1	Ca_kabuli_chr05	9178598	GG	AA	1940327358
SNP_P1_91883_9178666	NC_021164.1	Ca_kabuli_chr05	9178666	AA	TT	1940327359
SNP_P1_91884_9178678	NC_021164.1	Ca_kabuli_chr05	9178678	AA	TT	1940327361
SNP_P1_91885_9178820	NC_021164.1	Ca_kabuli_chr05	9178820	CC	GG	1940327363
SNP_P1_91886_9178861	NC_021164.1	Ca_kabuli_chr05	9178861	GG	TT	1940327364
SNP_P1_91887_9178921	NC_021164.1	Ca_kabuli_chr05	9178921	CC	GG	1940327366
SNP_P1_91888_9179132	NC_021164.1	Ca_kabuli_chr05	9179132	GG	AA	1940327368
SNP_P1_91889_9180034	NC_021164.1	Ca_kabuli_chr05	9180034	GG	AA	1940327370
SNP_P1_91890_9180361	NC_021164.1	Ca_kabuli_chr05	9180361	GG	TT	1940327371
SNP_P1_91891_9180428	NC_021164.1	Ca_kabuli_chr05	9180428	GG	AA	1940327373
SNP_P1_91892_9180745	NC_021164.1	Ca_kabuli_chr05	9180745	AA	TT	1940327375
SNP_P1_91893_9180912	NC_021164.1	Ca_kabuli_chr05	9180912	CC	TT	1940327376
SNP_P1_91894_9181208	NC_021164.1	Ca_kabuli_chr05	9181208	AA	GG	1940327378
SNP_P1_91895_9181283	NC_021164.1	Ca_kabuli_chr05	9181283	AA	GG	1940327380
SNP_P1_91896_9184673	NC_021164.1	Ca_kabuli_chr05	9184673	AA	TT	1940327381
SNP_P1_91897_9184695	NC_021164.1	Ca_kabuli_chr05	9184695	AA	GG	1940327383
SNP_P1_91898_9184718	NC_021164.1	Ca_kabuli_chr05	9184718	GG	AA	1940327385
SNP_P1_91899_9184925	NC_021164.1	Ca_kabuli_chr05	9184925	GG	CC	1940327387
SNP_P1_91900_9184952	NC_021164.1	Ca_kabuli_chr05	9184952	GG	AA	1940327388
SNP_P1_91901_9185180	NC_021164.1	Ca_kabuli_chr05	9185180	TT	AA	1940327390
SNP_P1_91902_9185747	NC_021164.1	Ca_kabuli_chr05	9185747	TT	CC	1940327392
SNP_P1_91903_9186910	NC_021164.1	Ca_kabuli_chr05	9186910	TT	GG	1940327393
SNP_P1_91904_9187695	NC_021164.1	Ca_kabuli_chr05	9187695	CC	TT	1940327395
SNP_P1_91905_9187776	NC_021164.1	Ca_kabuli_chr05	9187776	AA	GG	1940327397
SNP_P1_91906_9188016	NC_021164.1	Ca_kabuli_chr05	9188016	GG	AA	1940327398
SNP_P1_91907_9188466	NC_021164.1	Ca_kabuli_chr05	9188466	CC	GG	1940327400
SNP_P1_91908_9188660	NC_021164.1	Ca_kabuli_chr05	9188660	CC	TT	1940327402
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SNP_P1_91910_9188840	NC_021164.1	Ca_kabuli_chr05	9188840	AA	TT	1940327405

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91913_9193704	NC_021164.1	Ca_kabuli_chr05	9193704	CC	GG	1940327409
SNP_P1_91914_9193730	NC_021164.1	Ca_kabuli_chr05	9193730	AA	GG	1940327410
SNP_P1_91915_9194036	NC_021164.1	Ca_kabuli_chr05	9194036	AA	GG	1940327412
SNP_P1_91916_9194076	NC_021164.1	Ca_kabuli_chr05	9194076	TT	CC	1940327414
SNP_P1_91918_9194312	NC_021164.1	Ca_kabuli_chr05	9194312	AA	CC	1940327415
SNP_P1_91919_9197845	NC_021164.1	Ca_kabuli_chr05	9197845	TT	AA	1940327417
SNP_P1_91920_9198218	NC_021164.1	Ca_kabuli_chr05	9198218	GG	CC	1940327419
SNP_P1_91922_9200809	NC_021164.1	Ca_kabuli_chr05	9200809	CC	TT	1940327421
SNP_P1_91923_9201866	NC_021164.1	Ca_kabuli_chr05	9201866	GG	AA	1940327422
SNP_P1_91924_9201874	NC_021164.1	Ca_kabuli_chr05	9201874	TT	AA	1940327424
SNP_P1_91925_9202241	NC_021164.1	Ca_kabuli_chr05	9202241	AA	GG	1940327426
SNP_P1_91926_9202471	NC_021164.1	Ca_kabuli_chr05	9202471	TT	GG	1940327427
SNP_P1_91927_9203020	NC_021164.1	Ca_kabuli_chr05	9203020	GG	TT	1940327429
SNP_P1_91928_9203027	NC_021164.1	Ca_kabuli_chr05	9203027	GG	AA	1940327431
SNP_P1_91929_9212652	NC_021164.1	Ca_kabuli_chr05	9212652	TT	GG	1940327432
SNP_P1_91930_9213096	NC_021164.1	Ca_kabuli_chr05	9213096	AA	GG	1940327434
SNP_P1_91931_9214945	NC_021164.1	Ca_kabuli_chr05	9214945	TT	CC	1940327436
SNP_P1_91932_9215112	NC_021164.1	Ca_kabuli_chr05	9215112	TT	CC	1940327437
SNP_P1_91934_9215762	NC_021164.1	Ca_kabuli_chr05	9215762	AA	GG	1940327439
SNP_P1_91935_9216597	NC_021164.1	Ca_kabuli_chr05	9216597	AA	GG	1940327441
SNP_P1_91936_9216662	NC_021164.1	Ca_kabuli_chr05	9216662	AA	GG	1940327443
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SNP_P1_91938_9216761	NC_021164.1	Ca_kabuli_chr05	9216761	CC	AA	1940327446
SNP_P1_91939_9216905	NC_021164.1	Ca_kabuli_chr05	9216905	GG	TT	1940327448
SNP_P1_91940_9217365	NC_021164.1	Ca_kabuli_chr05	9217365	CC	TT	1940327449
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SNP_P1_91942_9217611	NC_021164.1	Ca_kabuli_chr05	9217611	GG	TT	1940327453
SNP_P1_91943_9217626	NC_021164.1	Ca_kabuli_chr05	9217626	AA	GG	1940327454
SNP_P1_91944_9217634	NC_021164.1	Ca_kabuli_chr05	9217634	AA	GG	1940327456
SNP_P1_91945_9217849	NC_021164.1	Ca_kabuli_chr05	9217849	AA	GG	1940327458
SNP_P1_91946_9217890	NC_021164.1	Ca_kabuli_chr05	9217890	GG	AA	1940327460
SNP_P1_91948_9220075	NC_021164.1	Ca_kabuli_chr05	9220075	CC	GG	1940327461
SNP_P1_91949_9220279	NC_021164.1	Ca_kabuli_chr05	9220279	TT	CC	1940327463
SNP_P1_91950_9220314	NC_021164.1	Ca_kabuli_chr05	9220314	TT	CC	1940327465
SNP_P1_91951_9221296	NC_021164.1	Ca_kabuli_chr05	9221296	TT	CC	1940327466
SNP_P1_91952_9221560	NC_021164.1	Ca_kabuli_chr05	9221560	AA	GG	1940327468
SNP_P1_91953_9221652	NC_021164.1	Ca_kabuli_chr05	9221652	AA	GG	1940327470
SNP_P1_91954_9222133	NC_021164.1	Ca_kabuli_chr05	9222133	AA	GG	1940327471
SNP_P1_91955_9222896	NC_021164.1	Ca_kabuli_chr05	9222896	GG	TT	1940327473
SNP_P1_91956_9223148	NC_021164.1	Ca_kabuli_chr05	9223148	GG	AA	1940327475
SNP_P1_91957_9223157	NC_021164.1	Ca_kabuli_chr05	9223157	GG	AA	1940327477

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_91959_9228566	NC_021164.1	Ca_kabuli_chr05	9228566	GG	TT	1940327480
SNP_P1_91960_9228660	NC_021164.1	Ca_kabuli_chr05	9228660	CC	TT	1940327482
SNP_P1_91961_9228674	NC_021164.1	Ca_kabuli_chr05	9228674	TT	CC	1940327483
SNP_P1_91962_9228685	NC_021164.1	Ca_kabuli_chr05	9228685	CC	TT	1940327485
SNP_P1_91963_9229838	NC_021164.1	Ca_kabuli_chr05	9229838	AA	CC	1940327487
SNP_P1_91964_9230128	NC_021164.1	Ca_kabuli_chr05	9230128	AA	GG	1940327488
SNP_P1_91965_9230556	NC_021164.1	Ca_kabuli_chr05	9230556	CC	GG	1940327490
SNP_P1_91966_9230705	NC_021164.1	Ca_kabuli_chr05	9230705	AA	GG	1940327492
SNP_P1_91967_9230716	NC_021164.1	Ca_kabuli_chr05	9230716	CC	TT	1940327493
SNP_P1_91968_9230931	NC_021164.1	Ca_kabuli_chr05	9230931	GG	AA	1940327495
SNP_P1_91969_9231033	NC_021164.1	Ca_kabuli_chr05	9231033	AA	GG	1940327497
SNP_P1_91971_9231116	NC_021164.1	Ca_kabuli_chr05	9231116	CC	TT	1940327499
SNP_P1_91972_9231257	NC_021164.1	Ca_kabuli_chr05	9231257	AA	TT	1940327500
SNP_P1_91973_9231306	NC_021164.1	Ca_kabuli_chr05	9231306	GG	TT	1940327502
SNP_P1_91974_9231457	NC_021164.1	Ca_kabuli_chr05	9231457	AA	TT	1940327504
SNP_P1_91975_9231478	NC_021164.1	Ca_kabuli_chr05	9231478	GG	AA	1940327505
SNP_P1_91976_9231526	NC_021164.1	Ca_kabuli_chr05	9231526	AA	GG	1940327507
SNP_P1_91977_9231566	NC_021164.1	Ca_kabuli_chr05	9231566	GG	TT	1940327509
SNP_P1_91978_9231597	NC_021164.1	Ca_kabuli_chr05	9231597	TT	GG	1940327511
SNP_P1_91979_9231632	NC_021164.1	Ca_kabuli_chr05	9231632	TT	CC	1940327512
SNP_P1_91980_9231649	NC_021164.1	Ca_kabuli_chr05	9231649	AA	GG	1940327514
SNP_P1_91981_9231804	NC_021164.1	Ca_kabuli_chr05	9231804	CC	TT	1940327516
SNP_P1_91982_9231811	NC_021164.1	Ca_kabuli_chr05	9231811	TT	AA	1940327517
SNP_P1_91983_9232382	NC_021164.1	Ca_kabuli_chr05	9232382	TT	CC	1940327519
SNP_P1_91984_9232406	NC_021164.1	Ca_kabuli_chr05	9232406	AA	GG	1940327521
SNP_P1_91985_9232937	NC_021164.1	Ca_kabuli_chr05	9232937	GG	CC	1940327522
SNP_P1_91988_9233316	NC_021164.1	Ca_kabuli_chr05	9233316	AA	CC	1940327524
SNP_P1_91989_9233417	NC_021164.1	Ca_kabuli_chr05	9233417	CC	AA	1940327526
SNP_P1_91992_9233967	NC_021164.1	Ca_kabuli_chr05	9233967	CC	AA	1940327527
SNP_P1_91994_9236270	NC_021164.1	Ca_kabuli_chr05	9236270	TT	GG	1940327529
SNP_P1_91995_9237333	NC_021164.1	Ca_kabuli_chr05	9237333	AA	TT	1940327531
SNP_P1_91996_9237651	NC_021164.1	Ca_kabuli_chr05	9237651	GG	AA	1940327533
SNP_P1_91997_9237731	NC_021164.1	Ca_kabuli_chr05	9237731	GG	TT	1940327534
SNP_P1_91998_9238151	NC_021164.1	Ca_kabuli_chr05	9238151	CC	TT	1940327536
SNP_P1_91999_9238275	NC_021164.1	Ca_kabuli_chr05	9238275	AA	GG	1940327538
SNP_P1_92000_9238902	NC_021164.1	Ca_kabuli_chr05	9238902	GG	TT	1940327539
SNP_P1_92001_9238949	NC_021164.1	Ca_kabuli_chr05	9238949	TT	CC	1940327541
SNP_P1_92002_9239102	NC_021164.1	Ca_kabuli_chr05	9239102	GG	AA	1940327543
SNP_P1_92004_9239624	NC_021164.1	Ca_kabuli_chr05	9239624	CC	GG	1940327544
SNP_P1_92005_9239631	NC_021164.1	Ca_kabuli_chr05	9239631	GG	AA	1940327546
SNP_P1_92006_9239921	NC_021164.1	Ca_kabuli_chr05	9239921	GG	AA	1940327548

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92008_9249294	NC_021164.1	Ca_kabuli_chr05	9249294	AA	GG	1940327551
SNP_P1_92009_9249307	NC_021164.1	Ca_kabuli_chr05	9249307	GG	AA	1940327553
SNP_P1_92010_9271715	NC_021164.1	Ca_kabuli_chr05	9271715	GG	CC	1940327555
SNP_P1_92011_9282474	NC_021164.1	Ca_kabuli_chr05	9282474	TT	CC	1940327556
SNP_P1_92012_9301424	NC_021164.1	Ca_kabuli_chr05	9301424	CC	GG	1940327558
SNP_P1_92014_9308035	NC_021164.1	Ca_kabuli_chr05	9308035	CC	AA	1940327560
SNP_P1_92015_9345344	NC_021164.1	Ca_kabuli_chr05	9345344	AA	TT	1940327561
SNP_P1_92016_9345514	NC_021164.1	Ca_kabuli_chr05	9345514	CC	AA	1940327563
SNP_P1_92017_9345522	NC_021164.1	Ca_kabuli_chr05	9345522	GG	AA	1940327565
SNP_P1_92018_9345561	NC_021164.1	Ca_kabuli_chr05	9345561	TT	AA	1940327567
SNP_P1_92019_9345768	NC_021164.1	Ca_kabuli_chr05	9345768	TT	CC	1940327568
SNP_P1_92020_9346837	NC_021164.1	Ca_kabuli_chr05	9346837	AA	TT	1940327570
SNP_P1_92021_9348548	NC_021164.1	Ca_kabuli_chr05	9348548	AA	GG	1940327572
SNP_P1_92024_9349873	NC_021164.1	Ca_kabuli_chr05	9349873	AA	GG	1940327573
SNP_P1_92026_9350035	NC_021164.1	Ca_kabuli_chr05	9350035	GG	TT	1940327575
SNP_P1_92027_9350150	NC_021164.1	Ca_kabuli_chr05	9350150	GG	AA	1940327577
SNP_P1_92028_9350193	NC_021164.1	Ca_kabuli_chr05	9350193	TT	CC	1940327578
SNP_P1_92029_9350668	NC_021164.1	Ca_kabuli_chr05	9350668	CC	TT	1940327580
SNP_P1_92030_9351022	NC_021164.1	Ca_kabuli_chr05	9351022	GG	AA	1940327582
SNP_P1_92031_9351069	NC_021164.1	Ca_kabuli_chr05	9351069	AA	GG	1940327584
SNP_P1_92032_9351461	NC_021164.1	Ca_kabuli_chr05	9351461	GG	TT	1940327585
SNP_P1_92033_9351916	NC_021164.1	Ca_kabuli_chr05	9351916	AA	GG	1940327587
SNP_P1_92034_9351917	NC_021164.1	Ca_kabuli_chr05	9351917	AA	CC	1940327589
SNP_P1_92035_9351953	NC_021164.1	Ca_kabuli_chr05	9351953	CC	TT	1940327590
SNP_P1_92037_9354102	NC_021164.1	Ca_kabuli_chr05	9354102	AA	GG	1940327592
SNP_P1_92038_9355114	NC_021164.1	Ca_kabuli_chr05	9355114	AA	GG	1940327594
SNP_P1_92039_9355196	NC_021164.1	Ca_kabuli_chr05	9355196	TT	GG	1940327596
SNP_P1_92040_9356911	NC_021164.1	Ca_kabuli_chr05	9356911	AA	TT	1940327597
SNP_P1_92041_9358828	NC_021164.1	Ca_kabuli_chr05	9358828	CC	TT	1940327599
SNP_P1_92043_9360903	NC_021164.1	Ca_kabuli_chr05	9360903	GG	AA	1940327601
SNP_P1_92044_9360920	NC_021164.1	Ca_kabuli_chr05	9360920	GG	AA	1940327602
SNP_P1_92047_9361466	NC_021164.1	Ca_kabuli_chr05	9361466	CC	AA	1940327604
SNP_P1_92048_9361713	NC_021164.1	Ca_kabuli_chr05	9361713	TT	CC	1940327606
SNP_P1_92050_9361892	NC_021164.1	Ca_kabuli_chr05	9361892	AA	GG	1940327607
SNP_P1_92051_9362020	NC_021164.1	Ca_kabuli_chr05	9362020	GG	AA	1940327609
SNP_P1_92052_9362039	NC_021164.1	Ca_kabuli_chr05	9362039	GG	CC	1940327611
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SNP_P1_92054_9362887	NC_021164.1	Ca_kabuli_chr05	9362887	TT	CC	1940327614
SNP_P1_92055_9362913	NC_021164.1	Ca_kabuli_chr05	9362913	AA	GG	1940327616
SNP_P1_92056_9362914	NC_021164.1	Ca_kabuli_chr05	9362914	GG	AA	1940327618
SNP_P1_92057_9362958	NC_021164.1	Ca_kabuli_chr05	9362958	GG	AA	1940327619

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92060_9363192	NC_021164.1	Ca_kabuli_chr05	9363192	GG	CC	1940327624
SNP_P1_92061_9363200	NC_021164.1	Ca_kabuli_chr05	9363200	CC	AA	1940327626
SNP_P1_92062_9363228	NC_021164.1	Ca_kabuli_chr05	9363228	TT	CC	1940327628
SNP_P1_92063_9363238	NC_021164.1	Ca_kabuli_chr05	9363238	GG	CC	1940327630
SNP_P1_92064_9363261	NC_021164.1	Ca_kabuli_chr05	9363261	CC	TT	1940327631
SNP_P1_92065_9363401	NC_021164.1	Ca_kabuli_chr05	9363401	GG	AA	1940327633
SNP_P1_92066_9363451	NC_021164.1	Ca_kabuli_chr05	9363451	CC	TT	1940327635
SNP_P1_92067_9363475	NC_021164.1	Ca_kabuli_chr05	9363475	TT	GG	1940327636
SNP_P1_92068_9363715	NC_021164.1	Ca_kabuli_chr05	9363715	AA	GG	1940327638
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SNP_P1_92072_9365811	NC_021164.1	Ca_kabuli_chr05	9365811	CC	GG	1940327641
SNP_P1_92073_9365825	NC_021164.1	Ca_kabuli_chr05	9365825	TT	CC	1940327643
SNP_P1_92074_9365865	NC_021164.1	Ca_kabuli_chr05	9365865	GG	CC	1940327645
SNP_P1_92075_9365889	NC_021164.1	Ca_kabuli_chr05	9365889	TT	CC	1940327646
SNP_P1_92076_9365934	NC_021164.1	Ca_kabuli_chr05	9365934	GG	AA	1940327648
SNP_P1_92077_9365984	NC_021164.1	Ca_kabuli_chr05	9365984	GG	TT	1940327650
SNP_P1_92078_9366003	NC_021164.1	Ca_kabuli_chr05	9366003	GG	AA	1940327652
SNP_P1_92079_9366183	NC_021164.1	Ca_kabuli_chr05	9366183	AA	TT	1940327653
SNP_P1_92080_9366210	NC_021164.1	Ca_kabuli_chr05	9366210	TT	AA	1940327655
SNP_P1_92081_9366233	NC_021164.1	Ca_kabuli_chr05	9366233	GG	TT	1940327657
SNP_P1_92082_9366262	NC_021164.1	Ca_kabuli_chr05	9366262	AA	GG	1940327658
SNP_P1_92083_9366291	NC_021164.1	Ca_kabuli_chr05	9366291	TT	CC	1940327660
SNP_P1_92084_9366330	NC_021164.1	Ca_kabuli_chr05	9366330	TT	AA	1940327662
SNP_P1_92085_9367548	NC_021164.1	Ca_kabuli_chr05	9367548	GG	AA	1940327663
SNP_P1_92086_9381811	NC_021164.1	Ca_kabuli_chr05	9381811	CC	TT	1940327665
SNP_P1_92087_9382672	NC_021164.1	Ca_kabuli_chr05	9382672	TT	AA	1940327667
SNP_P1_92088_9382674	NC_021164.1	Ca_kabuli_chr05	9382674	CC	TT	1940327669
SNP_P1_92089_9384005	NC_021164.1	Ca_kabuli_chr05	9384005	TT	AA	1940327670
SNP_P1_92090_9384312	NC_021164.1	Ca_kabuli_chr05	9384312	GG	TT	1940327672
SNP_P1_92091_9388735	NC_021164.1	Ca_kabuli_chr05	9388735	AA	CC	1940327674
SNP_P1_92092_9389480	NC_021164.1	Ca_kabuli_chr05	9389480	TT	GG	1940327675
SNP_P1_92093_9393409	NC_021164.1	Ca_kabuli_chr05	9393409	AA	GG	1940327677
SNP_P1_92094_9393581	NC_021164.1	Ca_kabuli_chr05	9393581	AA	CC	1940327679
SNP_P1_92095_9399754	NC_021164.1	Ca_kabuli_chr05	9399754	CC	TT	1940327680
SNP_P1_92096_9403081	NC_021164.1	Ca_kabuli_chr05	9403081	AA	GG	1940327682
SNP_P1_92097_9403091	NC_021164.1	Ca_kabuli_chr05	9403091	AA	TT	1940327684
SNP_P1_92098_9403160	NC_021164.1	Ca_kabuli_chr05	9403160	GG	AA	1940327686
SNP_P1_92099_9403166	NC_021164.1	Ca_kabuli_chr05	9403166	TT	AA	1940327687
SNP_P1_92100_9403187	NC_021164.1	Ca_kabuli_chr05	9403187	CC	TT	1940327689
SNP_P1_92101_9403193	NC_021164.1	Ca_kabuli_chr05	9403193	GG	AA	1940327691

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92103_9403389	NC_021164.1	Ca_kabuli_chr05	9403389	TT	CC	1940327694
SNP_P1_92104_9403409	NC_021164.1	Ca_kabuli_chr05	9403409	AA	TT	1940327696
SNP_P1_92106_9403491	NC_021164.1	Ca_kabuli_chr05	9403491	TT	CC	1940327697
SNP_P1_92107_9403544	NC_021164.1	Ca_kabuli_chr05	9403544	AA	GG	1940327699
SNP_P1_92108_9403605	NC_021164.1	Ca_kabuli_chr05	9403605	AA	CC	1940327701
SNP_P1_92109_9403641	NC_021164.1	Ca_kabuli_chr05	9403641	CC	AA	1940327702
SNP_P1_92110_9403713	NC_021164.1	Ca_kabuli_chr05	9403713	CC	GG	1940327704
SNP_P1_92111_9403722	NC_021164.1	Ca_kabuli_chr05	9403722	GG	AA	1940327706
SNP_P1_92112_9405880	NC_021164.1	Ca_kabuli_chr05	9405880	TT	GG	1940327708
SNP_P1_92113_9405889	NC_021164.1	Ca_kabuli_chr05	9405889	TT	CC	1940327709
SNP_P1_92114_9406620	NC_021164.1	Ca_kabuli_chr05	9406620	CC	TT	1940327711
SNP_P1_92115_9408172	NC_021164.1	Ca_kabuli_chr05	9408172	GG	AA	1940327713
SNP_P1_92116_9408951	NC_021164.1	Ca_kabuli_chr05	9408951	CC	TT	1940327714
SNP_P1_92117_9409189	NC_021164.1	Ca_kabuli_chr05	9409189	GG	AA	1940327716
SNP_P1_92118_9410075	NC_021164.1	Ca_kabuli_chr05	9410075	TT	AA	1940327718
SNP_P1_92119_9410399	NC_021164.1	Ca_kabuli_chr05	9410399	TT	CC	1940327719
SNP_P1_92120_9410472	NC_021164.1	Ca_kabuli_chr05	9410472	TT	CC	1940327721
SNP_P1_92121_9413354	NC_021164.1	Ca_kabuli_chr05	9413354	CC	TT	1940327723
SNP_P1_92122_9413466	NC_021164.1	Ca_kabuli_chr05	9413466	AA	GG	1940327725
SNP_P1_92123_9414828	NC_021164.1	Ca_kabuli_chr05	9414828	AA	TT	1940327726
SNP_P1_92124_9416493	NC_021164.1	Ca_kabuli_chr05	9416493	TT	GG	1940327728
SNP_P1_92125_9416536	NC_021164.1	Ca_kabuli_chr05	9416536	GG	TT	1940327730
SNP_P1_92126_9416566	NC_021164.1	Ca_kabuli_chr05	9416566	AA	CC	1940327731
SNP_P1_92127_9416575	NC_021164.1	Ca_kabuli_chr05	9416575	TT	AA	1940327733
SNP_P1_92128_9416641	NC_021164.1	Ca_kabuli_chr05	9416641	AA	GG	1940327735
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SNP_P1_92131_9422826	NC_021164.1	Ca_kabuli_chr05	9422826	AA	CC	1940327738
SNP_P1_92132_9431156	NC_021164.1	Ca_kabuli_chr05	9431156	CC	TT	1940327740
SNP_P1_92134_9433389	NC_021164.1	Ca_kabuli_chr05	9433389	GG	TT	1940327742
SNP_P1_92135_9433577	NC_021164.1	Ca_kabuli_chr05	9433577	TT	CC	1940327743
SNP_P1_92136_9433587	NC_021164.1	Ca_kabuli_chr05	9433587	TT	GG	1940327745
SNP_P1_92137_9433683	NC_021164.1	Ca_kabuli_chr05	9433683	AA	GG	1940327747
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SNP_P1_92140_9435640	NC_021164.1	Ca_kabuli_chr05	9435640	AA	TT	1940327750
SNP_P1_92141_9435641	NC_021164.1	Ca_kabuli_chr05	9435641	CC	TT	1940327752
SNP_P1_92143_9436449	NC_021164.1	Ca_kabuli_chr05	9436449	GG	AA	1940327753
SNP_P1_92144_9436775	NC_021164.1	Ca_kabuli_chr05	9436775	AA	TT	1940327755
SNP_P1_92145_9436923	NC_021164.1	Ca_kabuli_chr05	9436923	CC	GG	1940327757
SNP_P1_92146_9436938	NC_021164.1	Ca_kabuli_chr05	9436938	TT	CC	1940327759
SNP_P1_92147_9436949	NC_021164.1	Ca_kabuli_chr05	9436949	CC	TT	1940327760
SNP_P1_92149_9437300	NC_021164.1	Ca_kabuli_chr05	9437300	CC	TT	1940327762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92151_9441126	NC_021164.1	Ca_kabuli_chr05	9441126	GG	TT	1940327765
SNP_P1_92154_9441971	NC_021164.1	Ca_kabuli_chr05	9441971	TT	CC	1940327767
SNP_P1_92155_9441997	NC_021164.1	Ca_kabuli_chr05	9441997	CC	GG	1940327769
SNP_P1_92156_9442008	NC_021164.1	Ca_kabuli_chr05	9442008	CC	AA	1940327770
SNP_P1_92157_9450670	NC_021164.1	Ca_kabuli_chr05	9450670	GG	TT	1940327772
SNP_P1_92158_9467705	NC_021164.1	Ca_kabuli_chr05	9467705	AA	GG	1940327774
SNP_P1_92159_9467778	NC_021164.1	Ca_kabuli_chr05	9467778	TT	AA	1940327775
SNP_P1_92160_9467818	NC_021164.1	Ca_kabuli_chr05	9467818	AA	GG	1940327777
SNP_P1_92161_9467905	NC_021164.1	Ca_kabuli_chr05	9467905	AA	GG	1940327779
SNP_P1_92163_9467998	NC_021164.1	Ca_kabuli_chr05	9467998	AA	GG	1940327781
SNP_P1_92164_9468232	NC_021164.1	Ca_kabuli_chr05	9468232	TT	CC	1940327782
SNP_P1_92165_9469689	NC_021164.1	Ca_kabuli_chr05	9469689	AA	GG	1940327784
SNP_P1_92166_9469692	NC_021164.1	Ca_kabuli_chr05	9469692	AA	GG	1940327786
SNP_P1_92167_9470082	NC_021164.1	Ca_kabuli_chr05	9470082	CC	TT	1940327787
SNP_P1_92168_9470460	NC_021164.1	Ca_kabuli_chr05	9470460	AA	CC	1940327789
SNP_P1_92169_9470461	NC_021164.1	Ca_kabuli_chr05	9470461	CC	AA	1940327791
SNP_P1_92172_9474646	NC_021164.1	Ca_kabuli_chr05	9474646	GG	AA	1940327793
SNP_P1_92175_9475081	NC_021164.1	Ca_kabuli_chr05	9475081	AA	TT	1940327794
SNP_P1_92176_9475094	NC_021164.1	Ca_kabuli_chr05	9475094	AA	TT	1940327796
SNP_P1_92177_9475158	NC_021164.1	Ca_kabuli_chr05	9475158	TT	AA	1940327798
SNP_P1_92178_9475370	NC_021164.1	Ca_kabuli_chr05	9475370	AA	TT	1940327799
SNP_P1_92179_9475495	NC_021164.1	Ca_kabuli_chr05	9475495	GG	AA	1940327801
SNP_P1_92180_9475654	NC_021164.1	Ca_kabuli_chr05	9475654	TT	CC	1940327803
SNP_P1_92181_9478500	NC_021164.1	Ca_kabuli_chr05	9478500	TT	AA	1940327804
SNP_P1_92182_9478507	NC_021164.1	Ca_kabuli_chr05	9478507	CC	TT	1940327806
SNP_P1_92183_9481299	NC_021164.1	Ca_kabuli_chr05	9481299	TT	CC	1940327808
SNP_P1_92184_9482409	NC_021164.1	Ca_kabuli_chr05	9482409	TT	CC	1940327810
SNP_P1_92185_9482446	NC_021164.1	Ca_kabuli_chr05	9482446	CC	TT	1940327811
SNP_P1_92186_9482454	NC_021164.1	Ca_kabuli_chr05	9482454	AA	GG	1940327813
SNP_P1_92187_9482467	NC_021164.1	Ca_kabuli_chr05	9482467	GG	AA	1940327815
SNP_P1_92188_9482468	NC_021164.1	Ca_kabuli_chr05	9482468	AA	GG	1940327816
SNP_P1_92189_9482494	NC_021164.1	Ca_kabuli_chr05	9482494	AA	GG	1940327818
SNP_P1_92190_9482502	NC_021164.1	Ca_kabuli_chr05	9482502	CC	TT	1940327820
SNP_P1_92192_9482587	NC_021164.1	Ca_kabuli_chr05	9482587	GG	CC	1940327821
SNP_P1_92193_9482625	NC_021164.1	Ca_kabuli_chr05	9482625	CC	GG	1940327823
SNP_P1_92194_9482629	NC_021164.1	Ca_kabuli_chr05	9482629	TT	AA	1940327825
SNP_P1_92195_9483088	NC_021164.1	Ca_kabuli_chr05	9483088	CC	TT	1940327827
SNP_P1_92196_9483354	NC_021164.1	Ca_kabuli_chr05	9483354	TT	CC	1940327828
SNP_P1_92197_9483357	NC_021164.1	Ca_kabuli_chr05	9483357	GG	TT	1940327830
SNP_P1_92198_9483374	NC_021164.1	Ca_kabuli_chr05	9483374	CC	GG	1940327832
SNP_P1_92199_9483683	NC_021164.1	Ca_kabuli_chr05	9483683	CC	AA	1940327833

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92201_9485000	NC_021164.1	Ca_kabuli_chr05	9485000	AA	CC	1940327837
SNP_P1_92202_9485240	NC_021164.1	Ca_kabuli_chr05	9485240	CC	TT	1940327838
SNP_P1_92203_9485338	NC_021164.1	Ca_kabuli_chr05	9485338	AA	GG	1940327840
SNP_P1_92204_9485984	NC_021164.1	Ca_kabuli_chr05	9485984	AA	GG	1940327842
SNP_P1_92205_9486320	NC_021164.1	Ca_kabuli_chr05	9486320	GG	AA	1940327844
SNP_P1_92206_9486428	NC_021164.1	Ca_kabuli_chr05	9486428	CC	TT	1940327845
SNP_P1_92207_9486670	NC_021164.1	Ca_kabuli_chr05	9486670	AA	TT	1940327847
SNP_P1_92208_9486685	NC_021164.1	Ca_kabuli_chr05	9486685	CC	TT	1940327849
SNP_P1_92209_9497055	NC_021164.1	Ca_kabuli_chr05	9497055	TT	CC	1940327850
SNP_P1_92210_9497375	NC_021164.1	Ca_kabuli_chr05	9497375	CC	TT	1940327852
SNP_P1_92211_9497377	NC_021164.1	Ca_kabuli_chr05	9497377	CC	TT	1940327854
SNP_P1_92212_9497401	NC_021164.1	Ca_kabuli_chr05	9497401	TT	CC	1940327855
SNP_P1_92214_9506084	NC_021164.1	Ca_kabuli_chr05	9506084	AA	CC	1940327857
SNP_P1_92215_9506131	NC_021164.1	Ca_kabuli_chr05	9506131	GG	AA	1940327859
SNP_P1_92216_9506146	NC_021164.1	Ca_kabuli_chr05	9506146	AA	GG	1940327861
SNP_P1_92217_9506310	NC_021164.1	Ca_kabuli_chr05	9506310	TT	CC	1940327862
SNP_P1_92218_9506379	NC_021164.1	Ca_kabuli_chr05	9506379	TT	CC	1940327864
SNP_P1_92219_9506447	NC_021164.1	Ca_kabuli_chr05	9506447	AA	GG	1940327866
SNP_P1_92220_9506700	NC_021164.1	Ca_kabuli_chr05	9506700	CC	TT	1940327867
SNP_P1_92221_9506965	NC_021164.1	Ca_kabuli_chr05	9506965	TT	CC	1940327869
SNP_P1_92222_9507031	NC_021164.1	Ca_kabuli_chr05	9507031	TT	GG	1940327871
SNP_P1_92223_9507556	NC_021164.1	Ca_kabuli_chr05	9507556	AA	TT	1940327872
SNP_P1_92225_9507879	NC_021164.1	Ca_kabuli_chr05	9507879	AA	GG	1940327874
SNP_P1_92226_9508032	NC_021164.1	Ca_kabuli_chr05	9508032	AA	GG	1940327876
SNP_P1_92227_9508098	NC_021164.1	Ca_kabuli_chr05	9508098	GG	TT	1940327878
SNP_P1_92228_9508141	NC_021164.1	Ca_kabuli_chr05	9508141	CC	GG	1940327879
SNP_P1_92229_9508162	NC_021164.1	Ca_kabuli_chr05	9508162	CC	GG	1940327881
SNP_P1_92230_9508330	NC_021164.1	Ca_kabuli_chr05	9508330	AA	CC	1940327883
SNP_P1_92231_9508764	NC_021164.1	Ca_kabuli_chr05	9508764	TT	GG	1940327884
SNP_P1_92232_9510602	NC_021164.1	Ca_kabuli_chr05	9510602	GG	AA	1940327886
SNP_P1_92233_9514158	NC_021164.1	Ca_kabuli_chr05	9514158	TT	CC	1940327888
SNP_P1_92234_9518568	NC_021164.1	Ca_kabuli_chr05	9518568	AA	CC	1940327889
SNP_P1_92236_9518742	NC_021164.1	Ca_kabuli_chr05	9518742	AA	CC	1940327891
SNP_P1_92237_9518850	NC_021164.1	Ca_kabuli_chr05	9518850	AA	CC	1940327893
SNP_P1_92239_9519492	NC_021164.1	Ca_kabuli_chr05	9519492	GG	AA	1940327895
SNP_P1_92240_9519507	NC_021164.1	Ca_kabuli_chr05	9519507	CC	TT	1940327896
SNP_P1_92241_9519517	NC_021164.1	Ca_kabuli_chr05	9519517	AA	GG	1940327898
SNP_P1_92245_9520861	NC_021164.1	Ca_kabuli_chr05	9520861	CC	GG	1940327900
SNP_P1_92246_9521542	NC_021164.1	Ca_kabuli_chr05	9521542	TT	CC	1940327901
SNP_P1_92247_9522141	NC_021164.1	Ca_kabuli_chr05	9522141	GG	AA	1940327903
SNP_P1_92248_9522971	NC_021164.1	Ca_kabuli_chr05	9522971	AA	GG	1940327905

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92250_9523013	NC_021164.1	Ca_kabuli_chr05	9523013	TT	CC	1940327908
SNP_P1_92251_9523039	NC_021164.1	Ca_kabuli_chr05	9523039	GG	AA	1940327910
SNP_P1_92252_9523091	NC_021164.1	Ca_kabuli_chr05	9523091	GG	AA	1940327912
SNP_P1_92253_9523103	NC_021164.1	Ca_kabuli_chr05	9523103	TT	CC	1940327914
SNP_P1_92254_9523107	NC_021164.1	Ca_kabuli_chr05	9523107	AA	GG	1940327915
SNP_P1_92255_9523196	NC_021164.1	Ca_kabuli_chr05	9523196	CC	GG	1940327917
SNP_P1_92256_9523315	NC_021164.1	Ca_kabuli_chr05	9523315	AA	CC	1940327919
SNP_P1_92257_9523320	NC_021164.1	Ca_kabuli_chr05	9523320	AA	CC	1940327921
SNP_P1_92258_9523360	NC_021164.1	Ca_kabuli_chr05	9523360	AA	CC	1940327923
SNP_P1_92259_9523647	NC_021164.1	Ca_kabuli_chr05	9523647	TT	CC	1940327924
SNP_P1_92260_9523687	NC_021164.1	Ca_kabuli_chr05	9523687	CC	AA	1940327927
SNP_P1_92261_9523750	NC_021164.1	Ca_kabuli_chr05	9523750	TT	CC	1940327928
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SNP_P1_92264_9523976	NC_021164.1	Ca_kabuli_chr05	9523976	CC	GG	1940327934
SNP_P1_92265_9523982	NC_021164.1	Ca_kabuli_chr05	9523982	GG	TT	1940327935
SNP_P1_92266_9524074	NC_021164.1	Ca_kabuli_chr05	9524074	AA	GG	1940327937
SNP_P1_92268_9524129	NC_021164.1	Ca_kabuli_chr05	9524129	AA	GG	1940327939
SNP_P1_92269_9524304	NC_021164.1	Ca_kabuli_chr05	9524304	GG	AA	1940327940
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SNP_P1_92271_9524684	NC_021164.1	Ca_kabuli_chr05	9524684	CC	TT	1940327944
SNP_P1_92272_9524714	NC_021164.1	Ca_kabuli_chr05	9524714	GG	AA	1940327946
SNP_P1_92273_9525650	NC_021164.1	Ca_kabuli_chr05	9525650	AA	GG	1940327947
SNP_P1_92274_9525666	NC_021164.1	Ca_kabuli_chr05	9525666	AA	GG	1940327949
SNP_P1_92275_9525698	NC_021164.1	Ca_kabuli_chr05	9525698	TT	CC	1940327951
SNP_P1_92276_9525946	NC_021164.1	Ca_kabuli_chr05	9525946	CC	TT	1940327952
SNP_P1_92277_9529918	NC_021164.1	Ca_kabuli_chr05	9529918	TT	GG	1940327954
SNP_P1_92278_9529941	NC_021164.1	Ca_kabuli_chr05	9529941	CC	TT	1940327956
SNP_P1_92279_9529991	NC_021164.1	Ca_kabuli_chr05	9529991	CC	TT	1940327958
SNP_P1_92280_9530282	NC_021164.1	Ca_kabuli_chr05	9530282	CC	TT	1940327959
SNP_P1_92281_9530304	NC_021164.1	Ca_kabuli_chr05	9530304	CC	TT	1940327961
SNP_P1_92282_9530430	NC_021164.1	Ca_kabuli_chr05	9530430	GG	TT	1940327963
SNP_P1_92283_9530469	NC_021164.1	Ca_kabuli_chr05	9530469	TT	AA	1940327964
SNP_P1_92284_9530498	NC_021164.1	Ca_kabuli_chr05	9530498	CC	AA	1940327966
SNP_P1_92285_9530537	NC_021164.1	Ca_kabuli_chr05	9530537	TT	CC	1940327968
SNP_P1_92286_9530678	NC_021164.1	Ca_kabuli_chr05	9530678	GG	TT	1940327970
SNP_P1_92287_9530704	NC_021164.1	Ca_kabuli_chr05	9530704	CC	TT	1940327971
SNP_P1_92288_9532713	NC_021164.1	Ca_kabuli_chr05	9532713	GG	AA	1940327973
SNP_P1_92289_9532753	NC_021164.1	Ca_kabuli_chr05	9532753	AA	GG	1940327975
SNP_P1_92290_9532896	NC_021164.1	Ca_kabuli_chr05	9532896	GG	TT	1940327976
SNP_P1_92291_9533376	NC_021164.1	Ca_kabuli_chr05	9533376	AA	CC	1940327978

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_92292_9533417	NC_021164.1	Ca_kabuli_chr05	9533417	CC	TT	1940327980
SNP_P1_92293_9533615	NC_021164.1	Ca_kabuli_chr05	9533615	CC	TT	1940327982
SNP_P1_92294_9533634	NC_021164.1	Ca_kabuli_chr05	9533634	CC	TT	1940327983
SNP_P1_92295_9534170	NC_021164.1	Ca_kabuli_chr05	9534170	CC	TT	1940327985
SNP_P1_92296_9534231	NC_021164.1	Ca_kabuli_chr05	9534231	GG	AA	1940327987
SNP_P1_92297_9534239	NC_021164.1	Ca_kabuli_chr05	9534239	AA	GG	1940327988
SNP_P1_92298_9534448	NC_021164.1	Ca_kabuli_chr05	9534448	TT	CC	1940327990
SNP_P1_92299_9534487	NC_021164.1	Ca_kabuli_chr05	9534487	AA	CC	1940327992
SNP_P1_92300_9534510	NC_021164.1	Ca_kabuli_chr05	9534510	TT	AA	1940327993
SNP_P1_92301_9534589	NC_021164.1	Ca_kabuli_chr05	9534589	TT	CC	1940327995
SNP_P1_92302_9534605	NC_021164.1	Ca_kabuli_chr05	9534605	TT	AA	1940327997
SNP_P1_92303_9534615	NC_021164.1	Ca_kabuli_chr05	9534615	AA	TT	1940327998
SNP_P1_92304_9534797	NC_021164.1	Ca_kabuli_chr05	9534797	CC	TT	1940328000
SNP_P1_92305_9534807	NC_021164.1	Ca_kabuli_chr05	9534807	TT	AA	1940328002
SNP_P1_92306_9534866	NC_021164.1	Ca_kabuli_chr05	9534866	CC	TT	1940328004
SNP_P1_92307_9535115	NC_021164.1	Ca_kabuli_chr05	9535115	TT	CC	1940328005
SNP_P1_92308_9535195	NC_021164.1	Ca_kabuli_chr05	9535195	TT	CC	1940328007
SNP_P1_92310_9535488	NC_021164.1	Ca_kabuli_chr05	9535488	CC	TT	1940328009
SNP_P1_92311_9535557	NC_021164.1	Ca_kabuli_chr05	9535557	AA	CC	1940328010
SNP_P1_92313_9535847	NC_021164.1	Ca_kabuli_chr05	9535847	GG	AA	1940328012
SNP_P1_92314_9535929	NC_021164.1	Ca_kabuli_chr05	9535929	GG	CC	1940328014
SNP_P1_92315_9536401	NC_021164.1	Ca_kabuli_chr05	9536401	CC	TT	1940328015
SNP_P1_92316_9536518	NC_021164.1	Ca_kabuli_chr05	9536518	TT	AA	1940328017
SNP_P1_92317_9536531	NC_021164.1	Ca_kabuli_chr05	9536531	TT	GG	1940328019
SNP_P1_92318_9537029	NC_021164.1	Ca_kabuli_chr05	9537029	CC	TT	1940328021
SNP_P1_92319_9538345	NC_021164.1	Ca_kabuli_chr05	9538345	CC	TT	1940328022
SNP_P1_92320_9538361	NC_021164.1	Ca_kabuli_chr05	9538361	CC	TT	1940328024
SNP_P1_92321_9538447	NC_021164.1	Ca_kabuli_chr05	9538447	GG	AA	1940328026
SNP_P1_92322_9538621	NC_021164.1	Ca_kabuli_chr05	9538621	TT	AA	1940328027
SNP_P1_92324_9538678	NC_021164.1	Ca_kabuli_chr05	9538678	AA	GG	1940328029
SNP_P1_92327_9542866	NC_021164.1	Ca_kabuli_chr05	9542866	CC	TT	1940328031
SNP_P1_92328_9542948	NC_021164.1	Ca_kabuli_chr05	9542948	TT	CC	1940328032
SNP_P1_92330_9544346	NC_021164.1	Ca_kabuli_chr05	9544346	AA	TT	1940328034
SNP_P1_92331_9544712	NC_021164.1	Ca_kabuli_chr05	9544712	TT	CC	1940328036
SNP_P1_92332_9544974	NC_021164.1	Ca_kabuli_chr05	9544974	GG	TT	1940328038
SNP_P1_92333_9545062	NC_021164.1	Ca_kabuli_chr05	9545062	TT	CC	1940328039
SNP_P1_92334_9545064	NC_021164.1	Ca_kabuli_chr05	9545064	TT	GG	1940328041
SNP_P1_92335_9545096	NC_021164.1	Ca_kabuli_chr05	9545096	TT	CC	1940328043
SNP_P1_92336_9547071	NC_021164.1	Ca_kabuli_chr05	9547071	TT	CC	1940328044
SNP_P1_92337_9549157	NC_021164.1	Ca_kabuli_chr05	9549157	AA	TT	1940328046
SNP_P1_92338_9549945	NC_021164.1	Ca_kabuli_chr05	9549945	AA	GG	1940328048
SNP_P1_92339_9550590	NC_021164.1	Ca_kabuli_chr05	9550590	TT	CC	1940328050

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92342_9552870	NC_021164.1	Ca_kabuli_chr05	9552870	TT	CC	1940328053
SNP_P1_92343_9552929	NC_021164.1	Ca_kabuli_chr05	9552929	CC	TT	1940328055
SNP_P1_92345_9553069	NC_021164.1	Ca_kabuli_chr05	9553069	GG	TT	1940328056
SNP_P1_92346_9553178	NC_021164.1	Ca_kabuli_chr05	9553178	CC	GG	1940328058
SNP_P1_92347_9553210	NC_021164.1	Ca_kabuli_chr05	9553210	AA	GG	1940328060
SNP_P1_92348_9553220	NC_021164.1	Ca_kabuli_chr05	9553220	AA	GG	1940328061
SNP_P1_92349_9553236	NC_021164.1	Ca_kabuli_chr05	9553236	TT	AA	1940328063
SNP_P1_92351_9553274	NC_021164.1	Ca_kabuli_chr05	9553274	AA	GG	1940328065
SNP_P1_92352_9553306	NC_021164.1	Ca_kabuli_chr05	9553306	GG	AA	1940328067
SNP_P1_92354_9557617	NC_021164.1	Ca_kabuli_chr05	9557617	TT	AA	1940328068
SNP_P1_92355_9557619	NC_021164.1	Ca_kabuli_chr05	9557619	AA	TT	1940328070
SNP_P1_92356_9557624	NC_021164.1	Ca_kabuli_chr05	9557624	TT	GG	1940328072
SNP_P1_92357_9557625	NC_021164.1	Ca_kabuli_chr05	9557625	AA	CC	1940328073
SNP_P1_92358_9557636	NC_021164.1	Ca_kabuli_chr05	9557636	GG	AA	1940328075
SNP_P1_92359_9557710	NC_021164.1	Ca_kabuli_chr05	9557710	CC	AA	1940328077
SNP_P1_92360_9557713	NC_021164.1	Ca_kabuli_chr05	9557713	AA	CC	1940328078
SNP_P1_92361_9557715	NC_021164.1	Ca_kabuli_chr05	9557715	AA	TT	1940328080
SNP_P1_92362_9557789	NC_021164.1	Ca_kabuli_chr05	9557789	TT	GG	1940328082
SNP_P1_92363_9557792	NC_021164.1	Ca_kabuli_chr05	9557792	GG	TT	1940328084
SNP_P1_92364_9557801	NC_021164.1	Ca_kabuli_chr05	9557801	AA	GG	1940328085
SNP_P1_92365_9557985	NC_021164.1	Ca_kabuli_chr05	9557985	AA	GG	1940328087
SNP_P1_92366_9558038	NC_021164.1	Ca_kabuli_chr05	9558038	GG	AA	1940328089
SNP_P1_92367_9558055	NC_021164.1	Ca_kabuli_chr05	9558055	AA	TT	1940328090
SNP_P1_92368_9558145	NC_021164.1	Ca_kabuli_chr05	9558145	TT	AA	1940328092
SNP_P1_92370_9558370	NC_021164.1	Ca_kabuli_chr05	9558370	AA	GG	1940328094
SNP_P1_92371_9558375	NC_021164.1	Ca_kabuli_chr05	9558375	AA	TT	1940328096
SNP_P1_92372_9558537	NC_021164.1	Ca_kabuli_chr05	9558537	GG	CC	1940328097
SNP_P1_92373_9558741	NC_021164.1	Ca_kabuli_chr05	9558741	GG	TT	1940328099
SNP_P1_92374_9559352	NC_021164.1	Ca_kabuli_chr05	9559352	AA	CC	1940328101
SNP_P1_92375_9559630	NC_021164.1	Ca_kabuli_chr05	9559630	GG	TT	1940328102
SNP_P1_92378_9560741	NC_021164.1	Ca_kabuli_chr05	9560741	GG	CC	1940328104
SNP_P1_92380_9562916	NC_021164.1	Ca_kabuli_chr05	9562916	GG	AA	1940328106
SNP_P1_92381_9563469	NC_021164.1	Ca_kabuli_chr05	9563469	TT	AA	1940328107
SNP_P1_92382_9563570	NC_021164.1	Ca_kabuli_chr05	9563570	CC	TT	1940328109
SNP_P1_92383_9563877	NC_021164.1	Ca_kabuli_chr05	9563877	TT	GG	1940328111
SNP_P1_92384_9563908	NC_021164.1	Ca_kabuli_chr05	9563908	GG	CC	1940328113
SNP_P1_92385_9569247	NC_021164.1	Ca_kabuli_chr05	9569247	AA	TT	1940328114
SNP_P1_92386_9569613	NC_021164.1	Ca_kabuli_chr05	9569613	AA	GG	1940328116
SNP_P1_92387_9569617	NC_021164.1	Ca_kabuli_chr05	9569617	GG	AA	1940328118
SNP_P1_92388_9569654	NC_021164.1	Ca_kabuli_chr05	9569654	AA	TT	1940328119
SNP_P1_92389_9569672	NC_021164.1	Ca_kabuli_chr05	9569672	GG	AA	1940328121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92391_9569712	NC_021164.1	Ca_kabuli_chr05	9569712	AA	GG	1940328124
SNP_P1_92392_9569934	NC_021164.1	Ca_kabuli_chr05	9569934	AA	GG	1940328126
SNP_P1_92393_9570663	NC_021164.1	Ca_kabuli_chr05	9570663	AA	GG	1940328128
SNP_P1_92394_9570893	NC_021164.1	Ca_kabuli_chr05	9570893	AA	GG	1940328130
SNP_P1_92397_9571160	NC_021164.1	Ca_kabuli_chr05	9571160	AA	TT	1940328131
SNP_P1_92398_9571581	NC_021164.1	Ca_kabuli_chr05	9571581	GG	CC	1940328133
SNP_P1_92399_9571913	NC_021164.1	Ca_kabuli_chr05	9571913	AA	TT	1940328135
SNP_P1_92400_9572328	NC_021164.1	Ca_kabuli_chr05	9572328	TT	GG	1940328136
SNP_P1_92401_9572693	NC_021164.1	Ca_kabuli_chr05	9572693	AA	GG	1940328138
SNP_P1_92402_9572694	NC_021164.1	Ca_kabuli_chr05	9572694	GG	CC	1940328140
SNP_P1_92403_9572732	NC_021164.1	Ca_kabuli_chr05	9572732	TT	CC	1940328141
SNP_P1_92404_9575566	NC_021164.1	Ca_kabuli_chr05	9575566	GG	AA	1940328143
SNP_P1_92405_9575568	NC_021164.1	Ca_kabuli_chr05	9575568	AA	GG	1940328145
SNP_P1_92406_9575571	NC_021164.1	Ca_kabuli_chr05	9575571	TT	CC	1940328147
SNP_P1_92407_9576732	NC_021164.1	Ca_kabuli_chr05	9576732	CC	TT	1940328148
SNP_P1_92408_9576739	NC_021164.1	Ca_kabuli_chr05	9576739	CC	TT	1940328150
SNP_P1_92409_9576746	NC_021164.1	Ca_kabuli_chr05	9576746	GG	AA	1940328152
SNP_P1_92410_9577868	NC_021164.1	Ca_kabuli_chr05	9577868	CC	TT	1940328153
SNP_P1_92411_9580084	NC_021164.1	Ca_kabuli_chr05	9580084	AA	TT	1940328155
SNP_P1_92413_9581498	NC_021164.1	Ca_kabuli_chr05	9581498	CC	GG	1940328157
SNP_P1_92414_9581627	NC_021164.1	Ca_kabuli_chr05	9581627	CC	AA	1940328158
SNP_P1_92415_9581698	NC_021164.1	Ca_kabuli_chr05	9581698	GG	AA	1940328160
SNP_P1_92417_9582366	NC_021164.1	Ca_kabuli_chr05	9582366	TT	CC	1940328162
SNP_P1_92418_9583019	NC_021164.1	Ca_kabuli_chr05	9583019	AA	GG	1940328164
SNP_P1_92419_9583035	NC_021164.1	Ca_kabuli_chr05	9583035	AA	GG	1940328165
SNP_P1_92420_9583138	NC_021164.1	Ca_kabuli_chr05	9583138	CC	TT	1940328167
SNP_P1_92421_9583238	NC_021164.1	Ca_kabuli_chr05	9583238	TT	GG	1940328169
SNP_P1_92422_9583385	NC_021164.1	Ca_kabuli_chr05	9583385	AA	CC	1940328170
SNP_P1_92423_9583414	NC_021164.1	Ca_kabuli_chr05	9583414	CC	TT	1940328172
SNP_P1_92424_9583448	NC_021164.1	Ca_kabuli_chr05	9583448	TT	AA	1940328174
SNP_P1_92425_9583479	NC_021164.1	Ca_kabuli_chr05	9583479	GG	AA	1940328175
SNP_P1_92426_9583482	NC_021164.1	Ca_kabuli_chr05	9583482	TT	CC	1940328177
SNP_P1_92427_9583488	NC_021164.1	Ca_kabuli_chr05	9583488	AA	GG	1940328179
SNP_P1_92428_9583586	NC_021164.1	Ca_kabuli_chr05	9583586	TT	CC	1940328181
SNP_P1_92430_9583651	NC_021164.1	Ca_kabuli_chr05	9583651	TT	CC	1940328182
SNP_P1_92431_9583661	NC_021164.1	Ca_kabuli_chr05	9583661	CC	TT	1940328184
SNP_P1_92432_9583685	NC_021164.1	Ca_kabuli_chr05	9583685	TT	CC	1940328186
SNP_P1_92433_9583709	NC_021164.1	Ca_kabuli_chr05	9583709	GG	AA	1940328187
SNP_P1_92434_9583771	NC_021164.1	Ca_kabuli_chr05	9583771	GG	AA	1940328189
SNP_P1_92435_9583792	NC_021164.1	Ca_kabuli_chr05	9583792	TT	CC	1940328191
SNP_P1_92436_9583818	NC_021164.1	Ca_kabuli_chr05	9583818	TT	CC	1940328192

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_92437_9583835	NC_021164.1	Ca_kabuli_chr05	9583835	TT	CC	1940328194
SNP_P1_92438_9583887	NC_021164.1	Ca_kabuli_chr05	9583887	TT	CC	1940328196
SNP_P1_92439_9583890	NC_021164.1	Ca_kabuli_chr05	9583890	AA	TT	1940328198
SNP_P1_92440_9583970	NC_021164.1	Ca_kabuli_chr05	9583970	CC	TT	1940328199
SNP_P1_92441_9586461	NC_021164.1	Ca_kabuli_chr05	9586461	CC	TT	1940328201
SNP_P1_92442_9586687	NC_021164.1	Ca_kabuli_chr05	9586687	CC	TT	1940328203
SNP_P1_92443_9587094	NC_021164.1	Ca_kabuli_chr05	9587094	GG	AA	1940328204
SNP_P1_92444_9587115	NC_021164.1	Ca_kabuli_chr05	9587115	TT	CC	1940328206
SNP_P1_92445_9587409	NC_021164.1	Ca_kabuli_chr05	9587409	AA	CC	1940328208
SNP_P1_92446_9587424	NC_021164.1	Ca_kabuli_chr05	9587424	GG	AA	1940328209
SNP_P1_92447_9587444	NC_021164.1	Ca_kabuli_chr05	9587444	GG	AA	1940328211
SNP_P1_92448_9587514	NC_021164.1	Ca_kabuli_chr05	9587514	TT	GG	1940328213
SNP_P1_92450_9587667	NC_021164.1	Ca_kabuli_chr05	9587667	GG	AA	1940328215
SNP_P1_92451_9587811	NC_021164.1	Ca_kabuli_chr05	9587811	AA	GG	1940328216
SNP_P1_92452_9587845	NC_021164.1	Ca_kabuli_chr05	9587845	GG	CC	1940328218
SNP_P1_92453_9587862	NC_021164.1	Ca_kabuli_chr05	9587862	AA	GG	1940328220
SNP_P1_92454_9587867	NC_021164.1	Ca_kabuli_chr05	9587867	AA	GG	1940328221
SNP_P1_92455_9588466	NC_021164.1	Ca_kabuli_chr05	9588466	AA	CC	1940328223
SNP_P1_92456_9588491	NC_021164.1	Ca_kabuli_chr05	9588491	AA	GG	1940328225
SNP_P1_92457_9588499	NC_021164.1	Ca_kabuli_chr05	9588499	AA	TT	1940328226
SNP_P1_92458_9588679	NC_021164.1	Ca_kabuli_chr05	9588679	TT	CC	1940328228
SNP_P1_92459_9589054	NC_021164.1	Ca_kabuli_chr05	9589054	TT	CC	1940328230
SNP_P1_92460_9589429	NC_021164.1	Ca_kabuli_chr05	9589429	GG	AA	1940328232
SNP_P1_92462_9589511	NC_021164.1	Ca_kabuli_chr05	9589511	CC	TT	1940328233
SNP_P1_92463_9589512	NC_021164.1	Ca_kabuli_chr05	9589512	AA	GG	1940328235
SNP_P1_92464_9589594	NC_021164.1	Ca_kabuli_chr05	9589594	AA	CC	1940328237
SNP_P1_92465_9589604	NC_021164.1	Ca_kabuli_chr05	9589604	CC	TT	1940328238
SNP_P1_92466_9589605	NC_021164.1	Ca_kabuli_chr05	9589605	CC	TT	1940328240
SNP_P1_92467_9589812	NC_021164.1	Ca_kabuli_chr05	9589812	AA	GG	1940328242
SNP_P1_92468_9590088	NC_021164.1	Ca_kabuli_chr05	9590088	TT	AA	1940328243
SNP_P1_92469_9590137	NC_021164.1	Ca_kabuli_chr05	9590137	CC	TT	1940328245
SNP_P1_92470_9590373	NC_021164.1	Ca_kabuli_chr05	9590373	GG	AA	1940328247
SNP_P1_92471_9590525	NC_021164.1	Ca_kabuli_chr05	9590525	CC	AA	1940328248
SNP_P1_92472_9590542	NC_021164.1	Ca_kabuli_chr05	9590542	CC	TT	1940328250
SNP_P1_92473_9590557	NC_021164.1	Ca_kabuli_chr05	9590557	GG	AA	1940328252
SNP_P1_92474_9590563	NC_021164.1	Ca_kabuli_chr05	9590563	AA	TT	1940328254
SNP_P1_92475_9614696	NC_021164.1	Ca_kabuli_chr05	9614696	CC	TT	1940328255
SNP_P1_92476_9615325	NC_021164.1	Ca_kabuli_chr05	9615325	TT	CC	1940328257
SNP_P1_92477_9615342	NC_021164.1	Ca_kabuli_chr05	9615342	TT	CC	1940328259
SNP_P1_92478_9615516	NC_021164.1	Ca_kabuli_chr05	9615516	TT	AA	1940328260
SNP_P1_92479_9615650	NC_021164.1	Ca_kabuli_chr05	9615650	CC	TT	1940328262
SNP_P1_92480_9615652	NC_021164.1	Ca_kabuli_chr05	9615652	CC	TT	1940328264

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92482_9615784	NC_021164.1	Ca_kabuli_chr05	9615784	GG	CC	1940328267
SNP_P1_92483_9615785	NC_021164.1	Ca_kabuli_chr05	9615785	CC	TT	1940328269
SNP_P1_92485_9615862	NC_021164.1	Ca_kabuli_chr05	9615862	AA	GG	1940328271
SNP_P1_92486_9615877	NC_021164.1	Ca_kabuli_chr05	9615877	AA	GG	1940328272
SNP_P1_92487_9615904	NC_021164.1	Ca_kabuli_chr05	9615904	AA	CC	1940328274
SNP_P1_92488_9615918	NC_021164.1	Ca_kabuli_chr05	9615918	AA	GG	1940328276
SNP_P1_92489_9615920	NC_021164.1	Ca_kabuli_chr05	9615920	AA	CC	1940328277
SNP_P1_92490_9615925	NC_021164.1	Ca_kabuli_chr05	9615925	GG	CC	1940328279
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SNP_P1_92492_9615974	NC_021164.1	Ca_kabuli_chr05	9615974	CC	TT	1940328282
SNP_P1_92493_9616030	NC_021164.1	Ca_kabuli_chr05	9616030	CC	TT	1940328284
SNP_P1_92494_9616085	NC_021164.1	Ca_kabuli_chr05	9616085	GG	TT	1940328286
SNP_P1_92496_9616945	NC_021164.1	Ca_kabuli_chr05	9616945	TT	CC	1940328288
SNP_P1_92497_9616951	NC_021164.1	Ca_kabuli_chr05	9616951	CC	TT	1940328289
SNP_P1_92498_9616964	NC_021164.1	Ca_kabuli_chr05	9616964	CC	AA	1940328291
SNP_P1_92499_9617040	NC_021164.1	Ca_kabuli_chr05	9617040	TT	AA	1940328293
SNP_P1_92500_9617356	NC_021164.1	Ca_kabuli_chr05	9617356	AA	TT	1940328294
SNP_P1_92501_9617406	NC_021164.1	Ca_kabuli_chr05	9617406	CC	TT	1940328296
SNP_P1_92502_9618045	NC_021164.1	Ca_kabuli_chr05	9618045	TT	GG	1940328298
SNP_P1_92503_9618252	NC_021164.1	Ca_kabuli_chr05	9618252	GG	TT	1940328299
SNP_P1_92504_9618366	NC_021164.1	Ca_kabuli_chr05	9618366	CC	AA	1940328301
SNP_P1_92505_9618434	NC_021164.1	Ca_kabuli_chr05	9618434	CC	TT	1940328303
SNP_P1_92506_9618443	NC_021164.1	Ca_kabuli_chr05	9618443	AA	CC	1940328305
SNP_P1_92508_9620025	NC_021164.1	Ca_kabuli_chr05	9620025	AA	TT	1940328306
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SNP_P1_92512_9624348	NC_021164.1	Ca_kabuli_chr05	9624348	AA	GG	1940328311
SNP_P1_92513_9624385	NC_021164.1	Ca_kabuli_chr05	9624385	CC	TT	1940328313
SNP_P1_92514_9624486	NC_021164.1	Ca_kabuli_chr05	9624486	CC	TT	1940328315
SNP_P1_92515_9624502	NC_021164.1	Ca_kabuli_chr05	9624502	TT	CC	1940328316
SNP_P1_92516_9624522	NC_021164.1	Ca_kabuli_chr05	9624522	GG	AA	1940328318
SNP_P1_92517_9624550	NC_021164.1	Ca_kabuli_chr05	9624550	AA	GG	1940328320
SNP_P1_92518_9624593	NC_021164.1	Ca_kabuli_chr05	9624593	GG	TT	1940328322
SNP_P1_92519_9624598	NC_021164.1	Ca_kabuli_chr05	9624598	TT	CC	1940328323
SNP_P1_92520_9624604	NC_021164.1	Ca_kabuli_chr05	9624604	TT	AA	1940328325
SNP_P1_92521_9624622	NC_021164.1	Ca_kabuli_chr05	9624622	AA	TT	1940328327
SNP_P1_92522_9624645	NC_021164.1	Ca_kabuli_chr05	9624645	GG	CC	1940328328
SNP_P1_92523_9624688	NC_021164.1	Ca_kabuli_chr05	9624688	GG	AA	1940328330
SNP_P1_92524_9624706	NC_021164.1	Ca_kabuli_chr05	9624706	CC	TT	1940328332
SNP_P1_92525_9624826	NC_021164.1	Ca_kabuli_chr05	9624826	TT	AA	1940328333
SNP_P1_92526_9624868	NC_021164.1	Ca_kabuli_chr05	9624868	TT	AA	1940328335

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92528_9624904	NC_021164.1	Ca_kabuli_chr05	9624904	GG	AA	1940328339
SNP_P1_92529_9624913	NC_021164.1	Ca_kabuli_chr05	9624913	GG	AA	1940328340
SNP_P1_92530_9624947	NC_021164.1	Ca_kabuli_chr05	9624947	AA	TT	1940328342
SNP_P1_92531_9624955	NC_021164.1	Ca_kabuli_chr05	9624955	TT	GG	1940328344
SNP_P1_92532_9624962	NC_021164.1	Ca_kabuli_chr05	9624962	GG	AA	1940328345
SNP_P1_92533_9624985	NC_021164.1	Ca_kabuli_chr05	9624985	GG	AA	1940328347
SNP_P1_92534_9624998	NC_021164.1	Ca_kabuli_chr05	9624998	AA	GG	1940328349
SNP_P1_92535_9625007	NC_021164.1	Ca_kabuli_chr05	9625007	TT	CC	1940328350
SNP_P1_92536_9625023	NC_021164.1	Ca_kabuli_chr05	9625023	CC	TT	1940328352
SNP_P1_92537_9625042	NC_021164.1	Ca_kabuli_chr05	9625042	CC	TT	1940328354
SNP_P1_92538_9625659	NC_021164.1	Ca_kabuli_chr05	9625659	GG	CC	1940328356
SNP_P1_92539_9625705	NC_021164.1	Ca_kabuli_chr05	9625705	AA	CC	1940328357
SNP_P1_92540_9625870	NC_021164.1	Ca_kabuli_chr05	9625870	AA	TT	1940328359
SNP_P1_92541_9625871	NC_021164.1	Ca_kabuli_chr05	9625871	TT	AA	1940328361
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SNP_P1_92543_9625875	NC_021164.1	Ca_kabuli_chr05	9625875	GG	AA	1940328364
SNP_P1_92544_9625887	NC_021164.1	Ca_kabuli_chr05	9625887	AA	GG	1940328366
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SNP_P1_92547_9626111	NC_021164.1	Ca_kabuli_chr05	9626111	AA	GG	1940328369
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SNP_P1_92550_9626606	NC_021164.1	Ca_kabuli_chr05	9626606	TT	GG	1940328374
SNP_P1_92551_9627215	NC_021164.1	Ca_kabuli_chr05	9627215	CC	TT	1940328376
SNP_P1_92552_9627227	NC_021164.1	Ca_kabuli_chr05	9627227	CC	GG	1940328378
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SNP_P1_92557_9637548	NC_021164.1	Ca_kabuli_chr05	9637548	TT	CC	1940328386
SNP_P1_92559_9638524	NC_021164.1	Ca_kabuli_chr05	9638524	GG	CC	1940328388
SNP_P1_92560_9639010	NC_021164.1	Ca_kabuli_chr05	9639010	AA	CC	1940328390
SNP_P1_92561_9639384	NC_021164.1	Ca_kabuli_chr05	9639384	CC	GG	1940328391
SNP_P1_92563_9640936	NC_021164.1	Ca_kabuli_chr05	9640936	TT	AA	1940328393
SNP_P1_92564_9641966	NC_021164.1	Ca_kabuli_chr05	9641966	AA	GG	1940328395
SNP_P1_92565_9642276	NC_021164.1	Ca_kabuli_chr05	9642276	GG	AA	1940328396
SNP_P1_92566_9642940	NC_021164.1	Ca_kabuli_chr05	9642940	AA	TT	1940328398
SNP_P1_92567_9645396	NC_021164.1	Ca_kabuli_chr05	9645396	AA	GG	1940328400
SNP_P1_92568_9645412	NC_021164.1	Ca_kabuli_chr05	9645412	TT	CC	1940328401
SNP_P1_92569_9645446	NC_021164.1	Ca_kabuli_chr05	9645446	CC	TT	1940328403
SNP_P1_92570_9645455	NC_021164.1	Ca_kabuli_chr05	9645455	AA	TT	1940328405
SNP_P1_92571_9645457	NC_021164.1	Ca_kabuli_chr05	9645457	GG	AA	1940328407

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92573_9645775	NC_021164.1	Ca_kabuli_chr05	9645775	AA	GG	1940328410
SNP_P1_92574_9646212	NC_021164.1	Ca_kabuli_chr05	9646212	GG	AA	1940328412
SNP_P1_92575_9646253	NC_021164.1	Ca_kabuli_chr05	9646253	AA	GG	1940328413
SNP_P1_92576_9646293	NC_021164.1	Ca_kabuli_chr05	9646293	CC	TT	1940328415
SNP_P1_92578_9647267	NC_021164.1	Ca_kabuli_chr05	9647267	AA	GG	1940328417
SNP_P1_92579_9647317	NC_021164.1	Ca_kabuli_chr05	9647317	GG	TT	1940328418
SNP_P1_92580_9647980	NC_021164.1	Ca_kabuli_chr05	9647980	TT	AA	1940328420
SNP_P1_92581_9648088	NC_021164.1	Ca_kabuli_chr05	9648088	TT	CC	1940328422
SNP_P1_92582_9649049	NC_021164.1	Ca_kabuli_chr05	9649049	TT	AA	1940328424
SNP_P1_92585_9649389	NC_021164.1	Ca_kabuli_chr05	9649389	AA	GG	1940328425
SNP_P1_92586_9649423	NC_021164.1	Ca_kabuli_chr05	9649423	TT	CC	1940328427
SNP_P1_92587_9649859	NC_021164.1	Ca_kabuli_chr05	9649859	TT	GG	1940328429
SNP_P1_92588_9656823	NC_021164.1	Ca_kabuli_chr05	9656823	CC	TT	1940328430
SNP_P1_92589_9656851	NC_021164.1	Ca_kabuli_chr05	9656851	GG	CC	1940328432
SNP_P1_92590_9656857	NC_021164.1	Ca_kabuli_chr05	9656857	TT	CC	1940328434
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SNP_P1_92592_9656881	NC_021164.1	Ca_kabuli_chr05	9656881	TT	GG	1940328437
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SNP_P1_92596_9657216	NC_021164.1	Ca_kabuli_chr05	9657216	AA	GG	1940328444
SNP_P1_92597_9657217	NC_021164.1	Ca_kabuli_chr05	9657217	AA	TT	1940328446
SNP_P1_92598_9657323	NC_021164.1	Ca_kabuli_chr05	9657323	AA	GG	1940328447
SNP_P1_92599_9657506	NC_021164.1	Ca_kabuli_chr05	9657506	CC	GG	1940328449
SNP_P1_92600_9657656	NC_021164.1	Ca_kabuli_chr05	9657656	GG	AA	1940328451
SNP_P1_92601_9657686	NC_021164.1	Ca_kabuli_chr05	9657686	GG	AA	1940328452
SNP_P1_92603_9657744	NC_021164.1	Ca_kabuli_chr05	9657744	CC	GG	1940328454
SNP_P1_92604_9658082	NC_021164.1	Ca_kabuli_chr05	9658082	AA	GG	1940328456
SNP_P1_92605_9658203	NC_021164.1	Ca_kabuli_chr05	9658203	GG	CC	1940328458
SNP_P1_92607_9658279	NC_021164.1	Ca_kabuli_chr05	9658279	GG	TT	1940328459
SNP_P1_92608_9658340	NC_021164.1	Ca_kabuli_chr05	9658340	TT	AA	1940328461
SNP_P1_92609_9658343	NC_021164.1	Ca_kabuli_chr05	9658343	CC	TT	1940328463
SNP_P1_92610_9658376	NC_021164.1	Ca_kabuli_chr05	9658376	TT	CC	1940328464
SNP_P1_92611_9658778	NC_021164.1	Ca_kabuli_chr05	9658778	TT	CC	1940328466
SNP_P1_92612_9658898	NC_021164.1	Ca_kabuli_chr05	9658898	TT	CC	1940328468
SNP_P1_92613_9658908	NC_021164.1	Ca_kabuli_chr05	9658908	GG	TT	1940328469
SNP_P1_92614_9658911	NC_021164.1	Ca_kabuli_chr05	9658911	GG	AA	1940328471
SNP_P1_92615_9659056	NC_021164.1	Ca_kabuli_chr05	9659056	GG	AA	1940328473
SNP_P1_92616_9659536	NC_021164.1	Ca_kabuli_chr05	9659536	CC	TT	1940328475
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SNP_P1_92618_9659713	NC_021164.1	Ca_kabuli_chr05	9659713	CC	AA	1940328478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92620_9659924	NC_021164.1	Ca_kabuli_chr05	9659924	TT	CC	1940328481
SNP_P1_92621_9659993	NC_021164.1	Ca_kabuli_chr05	9659993	TT	CC	1940328483
SNP_P1_92622_9659999	NC_021164.1	Ca_kabuli_chr05	9659999	TT	CC	1940328485
SNP_P1_92623_9660005	NC_021164.1	Ca_kabuli_chr05	9660005	TT	AA	1940328486
SNP_P1_92624_9660289	NC_021164.1	Ca_kabuli_chr05	9660289	TT	CC	1940328488
SNP_P1_92625_9660574	NC_021164.1	Ca_kabuli_chr05	9660574	AA	CC	1940328490
SNP_P1_92626_9691537	NC_021164.1	Ca_kabuli_chr05	9691537	GG	AA	1940328492
SNP_P1_92627_9705852	NC_021164.1	Ca_kabuli_chr05	9705852	TT	CC	1940328493
SNP_P1_92628_9705924	NC_021164.1	Ca_kabuli_chr05	9705924	TT	GG	1940328495
SNP_P1_92629_9705929	NC_021164.1	Ca_kabuli_chr05	9705929	AA	GG	1940328497
SNP_P1_92630_9705981	NC_021164.1	Ca_kabuli_chr05	9705981	GG	AA	1940328498
SNP_P1_92631_9705987	NC_021164.1	Ca_kabuli_chr05	9705987	TT	CC	1940328500
SNP_P1_92632_9706018	NC_021164.1	Ca_kabuli_chr05	9706018	CC	TT	1940328502
SNP_P1_92633_9706287	NC_021164.1	Ca_kabuli_chr05	9706287	GG	AA	1940328503
SNP_P1_92635_9708812	NC_021164.1	Ca_kabuli_chr05	9708812	GG	AA	1940328505
SNP_P1_92636_9708853	NC_021164.1	Ca_kabuli_chr05	9708853	CC	TT	1940328507
SNP_P1_92637_9708911	NC_021164.1	Ca_kabuli_chr05	9708911	AA	TT	1940328509
SNP_P1_92638_9708912	NC_021164.1	Ca_kabuli_chr05	9708912	TT	GG	1940328510
SNP_P1_92639_9708915	NC_021164.1	Ca_kabuli_chr05	9708915	GG	AA	1940328512
SNP_P1_92640_9708980	NC_021164.1	Ca_kabuli_chr05	9708980	GG	AA	1940328514
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SNP_P1_92642_9710670	NC_021164.1	Ca_kabuli_chr05	9710670	AA	TT	1940328517
SNP_P1_92643_9710723	NC_021164.1	Ca_kabuli_chr05	9710723	CC	TT	1940328519
SNP_P1_92644_9710776	NC_021164.1	Ca_kabuli_chr05	9710776	GG	AA	1940328520
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SNP_P1_92649_9711170	NC_021164.1	Ca_kabuli_chr05	9711170	CC	TT	1940328525
SNP_P1_92650_9711179	NC_021164.1	Ca_kabuli_chr05	9711179	GG	AA	1940328527
SNP_P1_92651_9711181	NC_021164.1	Ca_kabuli_chr05	9711181	TT	GG	1940328529
SNP_P1_92652_9711433	NC_021164.1	Ca_kabuli_chr05	9711433	TT	CC	1940328531
SNP_P1_92653_9711436	NC_021164.1	Ca_kabuli_chr05	9711436	CC	AA	1940328532
SNP_P1_92654_9711437	NC_021164.1	Ca_kabuli_chr05	9711437	CC	GG	1940328534
SNP_P1_92655_9711443	NC_021164.1	Ca_kabuli_chr05	9711443	GG	AA	1940328536
SNP_P1_92656_9711458	NC_021164.1	Ca_kabuli_chr05	9711458	TT	GG	1940328537
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SNP_P1_92658_9711676	NC_021164.1	Ca_kabuli_chr05	9711676	GG	AA	1940328541
SNP_P1_92659_9711858	NC_021164.1	Ca_kabuli_chr05	9711858	CC	TT	1940328543
SNP_P1_92660_9711925	NC_021164.1	Ca_kabuli_chr05	9711925	GG	AA	1940328544
SNP_P1_92661_9711988	NC_021164.1	Ca_kabuli_chr05	9711988	CC	GG	1940328546
SNP_P1_92662_9712038	NC_021164.1	Ca_kabuli_chr05	9712038	CC	TT	1940328548
SNP_P1_92663_9712044	NC_021164.1	Ca_kabuli_chr05	9712044	AA	GG	1940328549

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92666_9712373	NC_021164.1	Ca_kabuli_chr05	9712373	TT	CC	1940328554
SNP_P1_92667_9714115	NC_021164.1	Ca_kabuli_chr05	9714115	AA	TT	1940328556
SNP_P1_92668_9715189	NC_021164.1	Ca_kabuli_chr05	9715189	AA	GG	1940328558
SNP_P1_92669_9715204	NC_021164.1	Ca_kabuli_chr05	9715204	TT	CC	1940328560
SNP_P1_92670_9715205	NC_021164.1	Ca_kabuli_chr05	9715205	GG	AA	1940328561
SNP_P1_92671_9715278	NC_021164.1	Ca_kabuli_chr05	9715278	AA	TT	1940328563
SNP_P1_92672_9715286	NC_021164.1	Ca_kabuli_chr05	9715286	AA	GG	1940328565
SNP_P1_92673_9715288	NC_021164.1	Ca_kabuli_chr05	9715288	TT	CC	1940328566
SNP_P1_92674_9715313	NC_021164.1	Ca_kabuli_chr05	9715313	TT	AA	1940328568
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SNP_P1_92676_9715451	NC_021164.1	Ca_kabuli_chr05	9715451	AA	TT	1940328571
SNP_P1_92677_9715467	NC_021164.1	Ca_kabuli_chr05	9715467	TT	AA	1940328573
SNP_P1_92678_9715484	NC_021164.1	Ca_kabuli_chr05	9715484	AA	TT	1940328575
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SNP_P1_92680_9715603	NC_021164.1	Ca_kabuli_chr05	9715603	AA	CC	1940328578
SNP_P1_92681_9715604	NC_021164.1	Ca_kabuli_chr05	9715604	AA	CC	1940328580
SNP_P1_92684_9715682	NC_021164.1	Ca_kabuli_chr05	9715682	GG	AA	1940328582
SNP_P1_92685_9715683	NC_021164.1	Ca_kabuli_chr05	9715683	TT	CC	1940328583
SNP_P1_92687_9717414	NC_021164.1	Ca_kabuli_chr05	9717414	CC	AA	1940328585
SNP_P1_92689_9717493	NC_021164.1	Ca_kabuli_chr05	9717493	TT	AA	1940328587
SNP_P1_92690_9717684	NC_021164.1	Ca_kabuli_chr05	9717684	GG	AA	1940328588
SNP_P1_92691_9717790	NC_021164.1	Ca_kabuli_chr05	9717790	AA	TT	1940328590
SNP_P1_92692_9717792	NC_021164.1	Ca_kabuli_chr05	9717792	AA	GG	1940328592
SNP_P1_92693_9717805	NC_021164.1	Ca_kabuli_chr05	9717805	AA	CC	1940328593
SNP_P1_92694_9718277	NC_021164.1	Ca_kabuli_chr05	9718277	CC	TT	1940328595
SNP_P1_92695_9718280	NC_021164.1	Ca_kabuli_chr05	9718280	GG	AA	1940328597
SNP_P1_92696_9718667	NC_021164.1	Ca_kabuli_chr05	9718667	GG	AA	1940328599
SNP_P1_92697_9718674	NC_021164.1	Ca_kabuli_chr05	9718674	AA	GG	1940328600
SNP_P1_92698_9718864	NC_021164.1	Ca_kabuli_chr05	9718864	CC	GG	1940328602
SNP_P1_92699_9719153	NC_021164.1	Ca_kabuli_chr05	9719153	AA	TT	1940328604
SNP_P1_92700_9720337	NC_021164.1	Ca_kabuli_chr05	9720337	AA	GG	1940328605
SNP_P1_92701_9720713	NC_021164.1	Ca_kabuli_chr05	9720713	AA	GG	1940328607
SNP_P1_92702_9720743	NC_021164.1	Ca_kabuli_chr05	9720743	AA	GG	1940328609
SNP_P1_92703_9720773	NC_021164.1	Ca_kabuli_chr05	9720773	AA	GG	1940328610
SNP_P1_92704_9720784	NC_021164.1	Ca_kabuli_chr05	9720784	AA	GG	1940328612
SNP_P1_92705_9720786	NC_021164.1	Ca_kabuli_chr05	9720786	CC	AA	1940328614
SNP_P1_92706_9721134	NC_021164.1	Ca_kabuli_chr05	9721134	AA	GG	1940328616
SNP_P1_92707_9721349	NC_021164.1	Ca_kabuli_chr05	9721349	TT	CC	1940328617
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SNP_P1_92709_9721831	NC_021164.1	Ca_kabuli_chr05	9721831	GG	TT	1940328621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92711_9721840	NC_021164.1	Ca_kabuli_chr05	9721840	GG	TT	1940328624
SNP_P1_92712_9722094	NC_021164.1	Ca_kabuli_chr05	9722094	TT	CC	1940328626
SNP_P1_92713_9722181	NC_021164.1	Ca_kabuli_chr05	9722181	AA	GG	1940328627
SNP_P1_92714_9722220	NC_021164.1	Ca_kabuli_chr05	9722220	CC	GG	1940328629
SNP_P1_92715_9722227	NC_021164.1	Ca_kabuli_chr05	9722227	TT	CC	1940328631
SNP_P1_92716_9722368	NC_021164.1	Ca_kabuli_chr05	9722368	GG	AA	1940328633
SNP_P1_92717_9722534	NC_021164.1	Ca_kabuli_chr05	9722534	GG	AA	1940328634
SNP_P1_92718_9722642	NC_021164.1	Ca_kabuli_chr05	9722642	TT	CC	1940328636
SNP_P1_92719_9722651	NC_021164.1	Ca_kabuli_chr05	9722651	GG	AA	1940328638
SNP_P1_92720_9722654	NC_021164.1	Ca_kabuli_chr05	9722654	AA	GG	1940328639
SNP_P1_92721_9722680	NC_021164.1	Ca_kabuli_chr05	9722680	AA	GG	1940328641
SNP_P1_92722_9722766	NC_021164.1	Ca_kabuli_chr05	9722766	TT	CC	1940328643
SNP_P1_92723_9722776	NC_021164.1	Ca_kabuli_chr05	9722776	TT	AA	1940328644
SNP_P1_92724_9722802	NC_021164.1	Ca_kabuli_chr05	9722802	AA	GG	1940328646
SNP_P1_92726_9723174	NC_021164.1	Ca_kabuli_chr05	9723174	CC	AA	1940328648
SNP_P1_92727_9723187	NC_021164.1	Ca_kabuli_chr05	9723187	CC	GG	1940328650
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SNP_P1_92730_9723408	NC_021164.1	Ca_kabuli_chr05	9723408	AA	CC	1940328653
SNP_P1_92731_9723438	NC_021164.1	Ca_kabuli_chr05	9723438	AA	GG	1940328655
SNP_P1_92732_9723458	NC_021164.1	Ca_kabuli_chr05	9723458	AA	TT	1940328656
SNP_P1_92733_9723489	NC_021164.1	Ca_kabuli_chr05	9723489	GG	AA	1940328658
SNP_P1_92735_9723976	NC_021164.1	Ca_kabuli_chr05	9723976	TT	CC	1940328660
SNP_P1_92736_9724179	NC_021164.1	Ca_kabuli_chr05	9724179	TT	AA	1940328661
SNP_P1_92737_9725369	NC_021164.1	Ca_kabuli_chr05	9725369	TT	AA	1940328663
SNP_P1_92738_9725410	NC_021164.1	Ca_kabuli_chr05	9725410	AA	GG	1940328665
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SNP_P1_92742_9726254	NC_021164.1	Ca_kabuli_chr05	9726254	GG	AA	1940328668
SNP_P1_92743_9728452	NC_021164.1	Ca_kabuli_chr05	9728452	CC	TT	1940328670
SNP_P1_92744_9730933	NC_021164.1	Ca_kabuli_chr05	9730933	AA	CC	1940328672
SNP_P1_92745_9731741	NC_021164.1	Ca_kabuli_chr05	9731741	TT	CC	1940328673
SNP_P1_92746_9731925	NC_021164.1	Ca_kabuli_chr05	9731925	GG	TT	1940328675
SNP_P1_92747_9731927	NC_021164.1	Ca_kabuli_chr05	9731927	AA	CC	1940328677
SNP_P1_92748_9732315	NC_021164.1	Ca_kabuli_chr05	9732315	TT	AA	1940328679
SNP_P1_92749_9732847	NC_021164.1	Ca_kabuli_chr05	9732847	CC	TT	1940328680
SNP_P1_92750_9732855	NC_021164.1	Ca_kabuli_chr05	9732855	GG	CC	1940328682
SNP_P1_92751_9732859	NC_021164.1	Ca_kabuli_chr05	9732859	CC	AA	1940328684
SNP_P1_92752_9733060	NC_021164.1	Ca_kabuli_chr05	9733060	AA	GG	1940328685
SNP_P1_92753_9733185	NC_021164.1	Ca_kabuli_chr05	9733185	AA	TT	1940328687
SNP_P1_92754_9733195	NC_021164.1	Ca_kabuli_chr05	9733195	CC	TT	1940328689
SNP_P1_92755_9733330	NC_021164.1	Ca_kabuli_chr05	9733330	TT	CC	1940328690
SNP_P1_92756_9733357	NC_021164.1	Ca_kabuli_chr05	9733357	TT	AA	1940328692

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92759_9733960	NC_021164.1	Ca_kabuli_chr05	9733960	TT	GG	1940328696
SNP_P1_92761_9737002	NC_021164.1	Ca_kabuli_chr05	9737002	GG	CC	1940328697
SNP_P1_92762_9737413	NC_021164.1	Ca_kabuli_chr05	9737413	GG	AA	1940328699
SNP_P1_92763_9738131	NC_021164.1	Ca_kabuli_chr05	9738131	TT	AA	1940328701
SNP_P1_92764_9738132	NC_021164.1	Ca_kabuli_chr05	9738132	AA	CC	1940328702
SNP_P1_92765_9738306	NC_021164.1	Ca_kabuli_chr05	9738306	CC	TT	1940328704
SNP_P1_92766_9738564	NC_021164.1	Ca_kabuli_chr05	9738564	CC	AA	1940328706
SNP_P1_92767_9738613	NC_021164.1	Ca_kabuli_chr05	9738613	GG	AA	1940328707
SNP_P1_92768_9739888	NC_021164.1	Ca_kabuli_chr05	9739888	TT	CC	1940328709
SNP_P1_92769_9739890	NC_021164.1	Ca_kabuli_chr05	9739890	GG	CC	1940328711
SNP_P1_92770_9741041	NC_021164.1	Ca_kabuli_chr05	9741041	CC	GG	1940328713
SNP_P1_92771_9741559	NC_021164.1	Ca_kabuli_chr05	9741559	TT	CC	1940328714
SNP_P1_92772_9741612	NC_021164.1	Ca_kabuli_chr05	9741612	GG	AA	1940328716
SNP_P1_92773_9742932	NC_021164.1	Ca_kabuli_chr05	9742932	TT	GG	1940328718
SNP_P1_92774_9745343	NC_021164.1	Ca_kabuli_chr05	9745343	CC	AA	1940328719
SNP_P1_92775_9745609	NC_021164.1	Ca_kabuli_chr05	9745609	GG	AA	1940328721
SNP_P1_92776_9745618	NC_021164.1	Ca_kabuli_chr05	9745618	AA	GG	1940328723
SNP_P1_92777_9745658	NC_021164.1	Ca_kabuli_chr05	9745658	AA	TT	1940328724
SNP_P1_92778_9745690	NC_021164.1	Ca_kabuli_chr05	9745690	AA	GG	1940328726
SNP_P1_92779_9761678	NC_021164.1	Ca_kabuli_chr05	9761678	TT	GG	1940328728
SNP_P1_92780_9767718	NC_021164.1	Ca_kabuli_chr05	9767718	CC	AA	1940328730
SNP_P1_92781_9767736	NC_021164.1	Ca_kabuli_chr05	9767736	AA	GG	1940328731
SNP_P1_92782_9767777	NC_021164.1	Ca_kabuli_chr05	9767777	CC	TT	1940328733
SNP_P1_92784_9767954	NC_021164.1	Ca_kabuli_chr05	9767954	AA	CC	1940328735
SNP_P1_92785_9767984	NC_021164.1	Ca_kabuli_chr05	9767984	GG	AA	1940328736
SNP_P1_92786_9768072	NC_021164.1	Ca_kabuli_chr05	9768072	CC	TT	1940328738
SNP_P1_92787_9768104	NC_021164.1	Ca_kabuli_chr05	9768104	GG	AA	1940328740
SNP_P1_92788_9768119	NC_021164.1	Ca_kabuli_chr05	9768119	TT	AA	1940328741
SNP_P1_92789_9768128	NC_021164.1	Ca_kabuli_chr05	9768128	CC	TT	1940328743
SNP_P1_92790_9768299	NC_021164.1	Ca_kabuli_chr05	9768299	AA	CC	1940328745
SNP_P1_92793_9768811	NC_021164.1	Ca_kabuli_chr05	9768811	GG	AA	1940328747
SNP_P1_92797_9769535	NC_021164.1	Ca_kabuli_chr05	9769535	GG	AA	1940328748
SNP_P1_92798_9769538	NC_021164.1	Ca_kabuli_chr05	9769538	AA	GG	1940328750
SNP_P1_92799_9769552	NC_021164.1	Ca_kabuli_chr05	9769552	TT	CC	1940328752
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SNP_P1_92801_9769643	NC_021164.1	Ca_kabuli_chr05	9769643	GG	AA	1940328755
SNP_P1_92802_9769656	NC_021164.1	Ca_kabuli_chr05	9769656	GG	AA	1940328757
SNP_P1_92803_9769988	NC_021164.1	Ca_kabuli_chr05	9769988	TT	AA	1940328758
SNP_P1_92804_9770020	NC_021164.1	Ca_kabuli_chr05	9770020	TT	CC	1940328760
SNP_P1_92805_9770021	NC_021164.1	Ca_kabuli_chr05	9770021	GG	AA	1940328762
SNP_P1_92806_9770038	NC_021164.1	Ca_kabuli_chr05	9770038	AA	TT	1940328764

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92808_9773425	NC_021164.1	Ca_kabuli_chr05	9773425	GG	CC	1940328767
SNP_P1_92809_9773726	NC_021164.1	Ca_kabuli_chr05	9773726	CC	TT	1940328769
SNP_P1_92810_9773739	NC_021164.1	Ca_kabuli_chr05	9773739	TT	AA	1940328770
SNP_P1_92811_9773965	NC_021164.1	Ca_kabuli_chr05	9773965	AA	CC	1940328772
SNP_P1_92812_9773978	NC_021164.1	Ca_kabuli_chr05	9773978	GG	AA	1940328774
SNP_P1_92813_9773996	NC_021164.1	Ca_kabuli_chr05	9773996	CC	GG	1940328775
SNP_P1_92815_9774037	NC_021164.1	Ca_kabuli_chr05	9774037	AA	GG	1940328777
SNP_P1_92816_9774048	NC_021164.1	Ca_kabuli_chr05	9774048	AA	TT	1940328779
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SNP_P1_92819_9774268	NC_021164.1	Ca_kabuli_chr05	9774268	GG	AA	1940328782
SNP_P1_92820_9774308	NC_021164.1	Ca_kabuli_chr05	9774308	CC	AA	1940328784
SNP_P1_92821_9774324	NC_021164.1	Ca_kabuli_chr05	9774324	TT	CC	1940328786
SNP_P1_92822_9774330	NC_021164.1	Ca_kabuli_chr05	9774330	AA	GG	1940328787
SNP_P1_92823_9774333	NC_021164.1	Ca_kabuli_chr05	9774333	GG	CC	1940328789
SNP_P1_92824_9774475	NC_021164.1	Ca_kabuli_chr05	9774475	GG	AA	1940328791
SNP_P1_92825_9774620	NC_021164.1	Ca_kabuli_chr05	9774620	AA	GG	1940328792
SNP_P1_92826_9774637	NC_021164.1	Ca_kabuli_chr05	9774637	AA	GG	1940328794
SNP_P1_92827_9774639	NC_021164.1	Ca_kabuli_chr05	9774639	CC	TT	1940328796
SNP_P1_92828_9774709	NC_021164.1	Ca_kabuli_chr05	9774709	AA	TT	1940328798
SNP_P1_92830_9774878	NC_021164.1	Ca_kabuli_chr05	9774878	TT	GG	1940328799
SNP_P1_92831_9774983	NC_021164.1	Ca_kabuli_chr05	9774983	GG	AA	1940328801
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SNP_P1_92835_9775290	NC_021164.1	Ca_kabuli_chr05	9775290	GG	AA	1940328806
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SNP_P1_92838_9775356	NC_021164.1	Ca_kabuli_chr05	9775356	TT	AA	1940328811
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SNP_P1_92840_9775582	NC_021164.1	Ca_kabuli_chr05	9775582	TT	CC	1940328815
SNP_P1_92842_9775657	NC_021164.1	Ca_kabuli_chr05	9775657	AA	CC	1940328816
SNP_P1_92843_9775663	NC_021164.1	Ca_kabuli_chr05	9775663	CC	TT	1940328818
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SNP_P1_92846_9775897	NC_021164.1	Ca_kabuli_chr05	9775897	AA	GG	1940328821
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SNP_P1_92849_9776013	NC_021164.1	Ca_kabuli_chr05	9776013	TT	CC	1940328825
SNP_P1_92850_9776207	NC_021164.1	Ca_kabuli_chr05	9776207	CC	TT	1940328826
SNP_P1_92851_9776295	NC_021164.1	Ca_kabuli_chr05	9776295	CC	TT	1940328828
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SNP_P1_92853_9776552	NC_021164.1	Ca_kabuli_chr05	9776552	GG	AA	1940328832
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SNP_P1_92855_9776739	NC_021164.1	Ca_kabuli_chr05	9776739	CC	TT	1940328835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92858_9778192	NC_021164.1	Ca_kabuli_chr05	9778192	TT	CC	1940328840
SNP_P1_92859_9778665	NC_021164.1	Ca_kabuli_chr05	9778665	TT	AA	1940328842
SNP_P1_92860_9779078	NC_021164.1	Ca_kabuli_chr05	9779078	CC	TT	1940328844
SNP_P1_92861_9780516	NC_021164.1	Ca_kabuli_chr05	9780516	GG	CC	1940328845
SNP_P1_92862_9781981	NC_021164.1	Ca_kabuli_chr05	9781981	GG	TT	1940328847
SNP_P1_92863_9782023	NC_021164.1	Ca_kabuli_chr05	9782023	GG	AA	1940328849
SNP_P1_92865_9782077	NC_021164.1	Ca_kabuli_chr05	9782077	TT	CC	1940328850
SNP_P1_92866_9782095	NC_021164.1	Ca_kabuli_chr05	9782095	GG	AA	1940328852
SNP_P1_92867_9782104	NC_021164.1	Ca_kabuli_chr05	9782104	TT	GG	1940328854
SNP_P1_92869_9782279	NC_021164.1	Ca_kabuli_chr05	9782279	GG	TT	1940328855
SNP_P1_92870_9782517	NC_021164.1	Ca_kabuli_chr05	9782517	GG	AA	1940328857
SNP_P1_92871_9782572	NC_021164.1	Ca_kabuli_chr05	9782572	AA	GG	1940328859
SNP_P1_92872_9782600	NC_021164.1	Ca_kabuli_chr05	9782600	AA	GG	1940328861
SNP_P1_92873_9782817	NC_021164.1	Ca_kabuli_chr05	9782817	TT	CC	1940328862
SNP_P1_92875_9784363	NC_021164.1	Ca_kabuli_chr05	9784363	CC	TT	1940328864
SNP_P1_92876_9784376	NC_021164.1	Ca_kabuli_chr05	9784376	TT	GG	1940328866
SNP_P1_92877_9784461	NC_021164.1	Ca_kabuli_chr05	9784461	CC	AA	1940328867
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SNP_P1_92881_9784631	NC_021164.1	Ca_kabuli_chr05	9784631	CC	GG	1940328874
SNP_P1_92883_9784667	NC_021164.1	Ca_kabuli_chr05	9784667	TT	CC	1940328876
SNP_P1_92884_9784846	NC_021164.1	Ca_kabuli_chr05	9784846	AA	GG	1940328878
SNP_P1_92885_9784849	NC_021164.1	Ca_kabuli_chr05	9784849	CC	AA	1940328879
SNP_P1_92886_9785491	NC_021164.1	Ca_kabuli_chr05	9785491	AA	GG	1940328881
SNP_P1_92887_9785494	NC_021164.1	Ca_kabuli_chr05	9785494	AA	GG	1940328883
SNP_P1_92888_9785498	NC_021164.1	Ca_kabuli_chr05	9785498	AA	TT	1940328884
SNP_P1_92889_9785509	NC_021164.1	Ca_kabuli_chr05	9785509	CC	AA	1940328886
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SNP_P1_92891_9785524	NC_021164.1	Ca_kabuli_chr05	9785524	AA	TT	1940328889
SNP_P1_92892_9785529	NC_021164.1	Ca_kabuli_chr05	9785529	TT	AA	1940328891
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SNP_P1_92895_9788150	NC_021164.1	Ca_kabuli_chr05	9788150	AA	GG	1940328896
SNP_P1_92896_9788162	NC_021164.1	Ca_kabuli_chr05	9788162	TT	AA	1940328898
SNP_P1_92897_9788504	NC_021164.1	Ca_kabuli_chr05	9788504	CC	TT	1940328900
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SNP_P1_92899_9788512	NC_021164.1	Ca_kabuli_chr05	9788512	AA	GG	1940328903
SNP_P1_92900_9788756	NC_021164.1	Ca_kabuli_chr05	9788756	TT	CC	1940328905
SNP_P1_92901_9788766	NC_021164.1	Ca_kabuli_chr05	9788766	GG	TT	1940328906

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_92902_9788878	NC_021164.1	Ca_kabuli_chr05	9788878	GG	TT	1940328908
SNP_P1_92903_9788884	NC_021164.1	Ca_kabuli_chr05	9788884	CC	TT	1940328910
SNP_P1_92904_9789143	NC_021164.1	Ca_kabuli_chr05	9789143	AA	GG	1940328912
SNP_P1_92905_9789173	NC_021164.1	Ca_kabuli_chr05	9789173	CC	TT	1940328913
SNP_P1_92906_9789207	NC_021164.1	Ca_kabuli_chr05	9789207	GG	AA	1940328915
SNP_P1_92907_9789407	NC_021164.1	Ca_kabuli_chr05	9789407	CC	TT	1940328917
SNP_P1_92908_9789467	NC_021164.1	Ca_kabuli_chr05	9789467	GG	TT	1940328918
SNP_P1_92909_9789864	NC_021164.1	Ca_kabuli_chr05	9789864	TT	CC	1940328920
SNP_P1_92910_9789965	NC_021164.1	Ca_kabuli_chr05	9789965	CC	TT	1940328922
SNP_P1_92911_9789976	NC_021164.1	Ca_kabuli_chr05	9789976	CC	TT	1940328923
SNP_P1_92912_9790043	NC_021164.1	Ca_kabuli_chr05	9790043	GG	AA	1940328925
SNP_P1_92913_9790167	NC_021164.1	Ca_kabuli_chr05	9790167	CC	TT	1940328927
SNP_P1_92914_9790267	NC_021164.1	Ca_kabuli_chr05	9790267	TT	CC	1940328929
SNP_P1_92915_9790273	NC_021164.1	Ca_kabuli_chr05	9790273	GG	AA	1940328930
SNP_P1_92916_9790356	NC_021164.1	Ca_kabuli_chr05	9790356	GG	CC	1940328932
SNP_P1_92917_9790413	NC_021164.1	Ca_kabuli_chr05	9790413	CC	TT	1940328934
SNP_P1_92918_9790551	NC_021164.1	Ca_kabuli_chr05	9790551	AA	TT	1940328935
SNP_P1_92919_9790703	NC_021164.1	Ca_kabuli_chr05	9790703	GG	AA	1940328937
SNP_P1_92920_9790758	NC_021164.1	Ca_kabuli_chr05	9790758	TT	CC	1940328939
SNP_P1_92921_9790778	NC_021164.1	Ca_kabuli_chr05	9790778	CC	GG	1940328941
SNP_P1_92922_9791458	NC_021164.1	Ca_kabuli_chr05	9791458	TT	CC	1940328942
SNP_P1_92923_9791474	NC_021164.1	Ca_kabuli_chr05	9791474	TT	CC	1940328944
SNP_P1_92924_9791795	NC_021164.1	Ca_kabuli_chr05	9791795	CC	TT	1940328946
SNP_P1_92925_9791829	NC_021164.1	Ca_kabuli_chr05	9791829	CC	TT	1940328947
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SNP_P1_92927_9792186	NC_021164.1	Ca_kabuli_chr05	9792186	AA	GG	1940328951
SNP_P1_92928_9792477	NC_021164.1	Ca_kabuli_chr05	9792477	GG	AA	1940328952
SNP_P1_92929_9792568	NC_021164.1	Ca_kabuli_chr05	9792568	AA	GG	1940328954
SNP_P1_92930_9792747	NC_021164.1	Ca_kabuli_chr05	9792747	TT	CC	1940328956
SNP_P1_92931_9792754	NC_021164.1	Ca_kabuli_chr05	9792754	TT	CC	1940328958
SNP_P1_92932_9792762	NC_021164.1	Ca_kabuli_chr05	9792762	AA	GG	1940328959
SNP_P1_92933_9792892	NC_021164.1	Ca_kabuli_chr05	9792892	CC	TT	1940328961
SNP_P1_92934_9792913	NC_021164.1	Ca_kabuli_chr05	9792913	GG	AA	1940328963
SNP_P1_92935_9792987	NC_021164.1	Ca_kabuli_chr05	9792987	AA	GG	1940328964
SNP_P1_92936_9793219	NC_021164.1	Ca_kabuli_chr05	9793219	CC	TT	1940328966
SNP_P1_92937_9793257	NC_021164.1	Ca_kabuli_chr05	9793257	GG	AA	1940328968
SNP_P1_92938_9793343	NC_021164.1	Ca_kabuli_chr05	9793343	GG	AA	1940328969
SNP_P1_92939_9793369	NC_021164.1	Ca_kabuli_chr05	9793369	AA	GG	1940328971
SNP_P1_92940_9793600	NC_021164.1	Ca_kabuli_chr05	9793600	CC	TT	1940328973
SNP_P1_92941_9793605	NC_021164.1	Ca_kabuli_chr05	9793605	CC	AA	1940328975
SNP_P1_92942_9793611	NC_021164.1	Ca_kabuli_chr05	9793611	TT	GG	1940328976
SNP_P1_92943_9793624	NC_021164.1	Ca_kabuli_chr05	9793624	TT	CC	1940328978

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_92944_9793655	NC_021164.1	Ca_kabuli_chr05	9793655	GG	AA	1940328980
SNP_P1_92945_9793776	NC_021164.1	Ca_kabuli_chr05	9793776	GG	AA	1940328981
SNP_P1_92946_9793782	NC_021164.1	Ca_kabuli_chr05	9793782	CC	TT	1940328983
SNP_P1_92947_9793963	NC_021164.1	Ca_kabuli_chr05	9793963	AA	GG	1940328985
SNP_P1_92948_9793987	NC_021164.1	Ca_kabuli_chr05	9793987	GG	AA	1940328986
SNP_P1_92949_9794019	NC_021164.1	Ca_kabuli_chr05	9794019	CC	TT	1940328988
SNP_P1_92950_9794059	NC_021164.1	Ca_kabuli_chr05	9794059	CC	AA	1940328990
SNP_P1_92951_9794080	NC_021164.1	Ca_kabuli_chr05	9794080	TT	CC	1940328992
SNP_P1_92952_9794104	NC_021164.1	Ca_kabuli_chr05	9794104	CC	TT	1940328993
SNP_P1_92953_9794133	NC_021164.1	Ca_kabuli_chr05	9794133	CC	GG	1940328995
SNP_P1_92954_9794140	NC_021164.1	Ca_kabuli_chr05	9794140	CC	TT	1940328997
SNP_P1_92955_9794164	NC_021164.1	Ca_kabuli_chr05	9794164	CC	TT	1940328998
SNP_P1_92956_9794185	NC_021164.1	Ca_kabuli_chr05	9794185	AA	GG	1940329000
SNP_P1_92957_9794271	NC_021164.1	Ca_kabuli_chr05	9794271	TT	CC	1940329002
SNP_P1_92958_9794285	NC_021164.1	Ca_kabuli_chr05	9794285	TT	CC	1940329003
SNP_P1_92959_9797852	NC_021164.1	Ca_kabuli_chr05	9797852	TT	CC	1940329005
SNP_P1_92960_9797859	NC_021164.1	Ca_kabuli_chr05	9797859	GG	AA	1940329007
SNP_P1_92961_9797861	NC_021164.1	Ca_kabuli_chr05	9797861	GG	AA	1940329009
SNP_P1_92962_9797864	NC_021164.1	Ca_kabuli_chr05	9797864	GG	AA	1940329010
SNP_P1_92963_9798117	NC_021164.1	Ca_kabuli_chr05	9798117	GG	CC	1940329012
SNP_P1_92964_9798123	NC_021164.1	Ca_kabuli_chr05	9798123	GG	AA	1940329014
SNP_P1_92965_9798135	NC_021164.1	Ca_kabuli_chr05	9798135	CC	TT	1940329015
SNP_P1_92966_9799550	NC_021164.1	Ca_kabuli_chr05	9799550	GG	AA	1940329017
SNP_P1_92967_9799560	NC_021164.1	Ca_kabuli_chr05	9799560	CC	TT	1940329019
SNP_P1_92968_9799576	NC_021164.1	Ca_kabuli_chr05	9799576	GG	AA	1940329020
SNP_P1_92969_9799594	NC_021164.1	Ca_kabuli_chr05	9799594	GG	AA	1940329022
SNP_P1_92970_9800370	NC_021164.1	Ca_kabuli_chr05	9800370	GG	AA	1940329024
SNP_P1_92971_9800376	NC_021164.1	Ca_kabuli_chr05	9800376	CC	GG	1940329026
SNP_P1_92972_9800389	NC_021164.1	Ca_kabuli_chr05	9800389	GG	AA	1940329027
SNP_P1_92973_9800397	NC_021164.1	Ca_kabuli_chr05	9800397	GG	AA	1940329029
SNP_P1_92974_9800438	NC_021164.1	Ca_kabuli_chr05	9800438	AA	GG	1940329031
SNP_P1_92975_9800441	NC_021164.1	Ca_kabuli_chr05	9800441	GG	AA	1940329032
SNP_P1_92976_9800443	NC_021164.1	Ca_kabuli_chr05	9800443	GG	AA	1940329034
SNP_P1_92978_9800779	NC_021164.1	Ca_kabuli_chr05	9800779	CC	TT	1940329036
SNP_P1_92979_9800794	NC_021164.1	Ca_kabuli_chr05	9800794	AA	TT	1940329037
SNP_P1_92980_9800795	NC_021164.1	Ca_kabuli_chr05	9800795	TT	GG	1940329039
SNP_P1_92981_9801683	NC_021164.1	Ca_kabuli_chr05	9801683	CC	TT	1940329041
SNP_P1_92982_9801688	NC_021164.1	Ca_kabuli_chr05	9801688	CC	TT	1940329043
SNP_P1_92983_9801894	NC_021164.1	Ca_kabuli_chr05	9801894	AA	CC	1940329044
SNP_P1_92984_9801918	NC_021164.1	Ca_kabuli_chr05	9801918	AA	TT	1940329046
SNP_P1_92985_9802955	NC_021164.1	Ca_kabuli_chr05	9802955	GG	AA	1940329048
SNP_P1_92986_9803483	NC_021164.1	Ca_kabuli_chr05	9803483	GG	AA	1940329049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_92988_9805153	NC_021164.1	Ca_kabuli_chr05	9805153	TT	CC	1940329053
SNP_P1_92990_9805836	NC_021164.1	Ca_kabuli_chr05	9805836	CC	TT	1940329054
SNP_P1_92991_9806347	NC_021164.1	Ca_kabuli_chr05	9806347	AA	CC	1940329056
SNP_P1_92992_9806383	NC_021164.1	Ca_kabuli_chr05	9806383	GG	AA	1940329058
SNP_P1_92994_9807676	NC_021164.1	Ca_kabuli_chr05	9807676	CC	AA	1940329060
SNP_P1_92996_9808567	NC_021164.1	Ca_kabuli_chr05	9808567	GG	AA	1940329061
SNP_P1_92997_9808657	NC_021164.1	Ca_kabuli_chr05	9808657	AA	GG	1940329063
SNP_P1_92998_9808952	NC_021164.1	Ca_kabuli_chr05	9808952	GG	AA	1940329065
SNP_P1_93000_9813813	NC_021164.1	Ca_kabuli_chr05	9813813	TT	CC	1940329066
SNP_P1_93003_9816098	NC_021164.1	Ca_kabuli_chr05	9816098	TT	AA	1940329068
SNP_P1_93004_9816101	NC_021164.1	Ca_kabuli_chr05	9816101	TT	AA	1940329070
SNP_P1_93005_9816345	NC_021164.1	Ca_kabuli_chr05	9816345	TT	CC	1940329071
SNP_P1_93006_9817668	NC_021164.1	Ca_kabuli_chr05	9817668	AA	TT	1940329073
SNP_P1_93008_9818067	NC_021164.1	Ca_kabuli_chr05	9818067	GG	CC	1940329075
SNP_P1_93009_9818069	NC_021164.1	Ca_kabuli_chr05	9818069	TT	GG	1940329076
SNP_P1_93011_9818952	NC_021164.1	Ca_kabuli_chr05	9818952	AA	CC	1940329078
SNP_P1_93014_9825094	NC_021164.1	Ca_kabuli_chr05	9825094	CC	TT	1940329080
SNP_P1_93015_9825754	NC_021164.1	Ca_kabuli_chr05	9825754	TT	CC	1940329082
SNP_P1_93016_9826167	NC_021164.1	Ca_kabuli_chr05	9826167	GG	AA	1940329083
SNP_P1_93017_9826182	NC_021164.1	Ca_kabuli_chr05	9826182	CC	TT	1940329085
SNP_P1_93018_9826714	NC_021164.1	Ca_kabuli_chr05	9826714	GG	CC	1940329087
SNP_P1_93019_9827015	NC_021164.1	Ca_kabuli_chr05	9827015	CC	TT	1940329088
SNP_P1_93020_9828660	NC_021164.1	Ca_kabuli_chr05	9828660	TT	CC	1940329090
SNP_P1_93022_9828995	NC_021164.1	Ca_kabuli_chr05	9828995	TT	AA	1940329092
SNP_P1_93023_9829026	NC_021164.1	Ca_kabuli_chr05	9829026	GG	AA	1940329093
SNP_P1_93024_9829078	NC_021164.1	Ca_kabuli_chr05	9829078	AA	TT	1940329095
SNP_P1_93026_9830583	NC_021164.1	Ca_kabuli_chr05	9830583	GG	AA	1940329097
SNP_P1_93028_9831148	NC_021164.1	Ca_kabuli_chr05	9831148	CC	TT	1940329099
SNP_P1_93029_9831176	NC_021164.1	Ca_kabuli_chr05	9831176	CC	TT	1940329100
SNP_P1_93030_9831177	NC_021164.1	Ca_kabuli_chr05	9831177	CC	TT	1940329102
SNP_P1_93031_9831556	NC_021164.1	Ca_kabuli_chr05	9831556	AA	TT	1940329104
SNP_P1_93032_9831786	NC_021164.1	Ca_kabuli_chr05	9831786	CC	TT	1940329105
SNP_P1_93033_9831805	NC_021164.1	Ca_kabuli_chr05	9831805	AA	GG	1940329107
SNP_P1_93034_9832182	NC_021164.1	Ca_kabuli_chr05	9832182	GG	TT	1940329109
SNP_P1_93035_9832192	NC_021164.1	Ca_kabuli_chr05	9832192	TT	CC	1940329110
SNP_P1_93036_9832448	NC_021164.1	Ca_kabuli_chr05	9832448	GG	AA	1940329112
SNP_P1_93037_9832467	NC_021164.1	Ca_kabuli_chr05	9832467	GG	AA	1940329114
SNP_P1_93038_9833006	NC_021164.1	Ca_kabuli_chr05	9833006	AA	GG	1940329115
SNP_P1_93039_9833013	NC_021164.1	Ca_kabuli_chr05	9833013	GG	AA	1940329117
SNP_P1_93041_9833379	NC_021164.1	Ca_kabuli_chr05	9833379	AA	GG	1940329119
SNP_P1_93042_9833441	NC_021164.1	Ca_kabuli_chr05	9833441	AA	GG	1940329121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93044_9835152	NC_021164.1	Ca_kabuli_chr05	9835152	GG	CC	1940329124
SNP_P1_93045_9835290	NC_021164.1	Ca_kabuli_chr05	9835290	TT	AA	1940329126
SNP_P1_93047_9835611	NC_021164.1	Ca_kabuli_chr05	9835611	AA	GG	1940329127
SNP_P1_93048_9835733	NC_021164.1	Ca_kabuli_chr05	9835733	CC	AA	1940329129
SNP_P1_93049_9835736	NC_021164.1	Ca_kabuli_chr05	9835736	AA	GG	1940329131
SNP_P1_93050_9835750	NC_021164.1	Ca_kabuli_chr05	9835750	CC	TT	1940329132
SNP_P1_93051_9835773	NC_021164.1	Ca_kabuli_chr05	9835773	AA	GG	1940329134
SNP_P1_93052_9836127	NC_021164.1	Ca_kabuli_chr05	9836127	CC	AA	1940329136
SNP_P1_93053_9836228	NC_021164.1	Ca_kabuli_chr05	9836228	AA	TT	1940329138
SNP_P1_93054_9836257	NC_021164.1	Ca_kabuli_chr05	9836257	AA	GG	1940329139
SNP_P1_93057_9836569	NC_021164.1	Ca_kabuli_chr05	9836569	CC	GG	1940329141
SNP_P1_93058_9836576	NC_021164.1	Ca_kabuli_chr05	9836576	TT	AA	1940329143
SNP_P1_93059_9836811	NC_021164.1	Ca_kabuli_chr05	9836811	TT	CC	1940329144
SNP_P1_93060_9836812	NC_021164.1	Ca_kabuli_chr05	9836812	CC	TT	1940329146
SNP_P1_93061_9836816	NC_021164.1	Ca_kabuli_chr05	9836816	GG	TT	1940329148
SNP_P1_93062_9836833	NC_021164.1	Ca_kabuli_chr05	9836833	TT	CC	1940329149
SNP_P1_93063_9836872	NC_021164.1	Ca_kabuli_chr05	9836872	AA	GG	1940329151
SNP_P1_93064_9836874	NC_021164.1	Ca_kabuli_chr05	9836874	AA	GG	1940329153
SNP_P1_93065_9836919	NC_021164.1	Ca_kabuli_chr05	9836919	TT	CC	1940329155
SNP_P1_93066_9836921	NC_021164.1	Ca_kabuli_chr05	9836921	GG	AA	1940329156
SNP_P1_93067_9839743	NC_021164.1	Ca_kabuli_chr05	9839743	TT	CC	1940329158
SNP_P1_93068_9839934	NC_021164.1	Ca_kabuli_chr05	9839934	TT	CC	1940329160
SNP_P1_93069_9839968	NC_021164.1	Ca_kabuli_chr05	9839968	CC	TT	1940329161
SNP_P1_93070_9841881	NC_021164.1	Ca_kabuli_chr05	9841881	AA	CC	1940329163
SNP_P1_93071_9841913	NC_021164.1	Ca_kabuli_chr05	9841913	AA	GG	1940329165
SNP_P1_93072_9842008	NC_021164.1	Ca_kabuli_chr05	9842008	CC	TT	1940329166
SNP_P1_93073_9842695	NC_021164.1	Ca_kabuli_chr05	9842695	CC	TT	1940329168
SNP_P1_93074_9843104	NC_021164.1	Ca_kabuli_chr05	9843104	CC	GG	1940329170
SNP_P1_93075_9843580	NC_021164.1	Ca_kabuli_chr05	9843580	CC	AA	1940329171
SNP_P1_93076_9847113	NC_021164.1	Ca_kabuli_chr05	9847113	AA	TT	1940329173
SNP_P1_93077_9847117	NC_021164.1	Ca_kabuli_chr05	9847117	CC	TT	1940329175
SNP_P1_93078_9847158	NC_021164.1	Ca_kabuli_chr05	9847158	AA	GG	1940329177
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SNP_P1_93080_9847682	NC_021164.1	Ca_kabuli_chr05	9847682	CC	TT	1940329180
SNP_P1_93081_9847746	NC_021164.1	Ca_kabuli_chr05	9847746	AA	TT	1940329182
SNP_P1_93083_9847836	NC_021164.1	Ca_kabuli_chr05	9847836	AA	GG	1940329183
SNP_P1_93084_9854478	NC_021164.1	Ca_kabuli_chr05	9854478	CC	AA	1940329185
SNP_P1_93085_9854485	NC_021164.1	Ca_kabuli_chr05	9854485	CC	TT	1940329187
SNP_P1_93086_9854971	NC_021164.1	Ca_kabuli_chr05	9854971	AA	GG	1940329188
SNP_P1_93087_9855178	NC_021164.1	Ca_kabuli_chr05	9855178	AA	GG	1940329190
SNP_P1_93088_9855808	NC_021164.1	Ca_kabuli_chr05	9855808	CC	GG	1940329192

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93090_9856424	NC_021164.1	Ca_kabuli_chr05	9856424	GG	CC	1940329195
SNP_P1_93091_9857565	NC_021164.1	Ca_kabuli_chr05	9857565	CC	TT	1940329197
SNP_P1_93092_9858795	NC_021164.1	Ca_kabuli_chr05	9858795	GG	AA	1940329199
SNP_P1_93094_9859512	NC_021164.1	Ca_kabuli_chr05	9859512	AA	TT	1940329200
SNP_P1_93095_9860174	NC_021164.1	Ca_kabuli_chr05	9860174	AA	GG	1940329202
SNP_P1_93096_9860862	NC_021164.1	Ca_kabuli_chr05	9860862	GG	AA	1940329204
SNP_P1_93098_9862042	NC_021164.1	Ca_kabuli_chr05	9862042	TT	AA	1940329205
SNP_P1_93099_9862214	NC_021164.1	Ca_kabuli_chr05	9862214	AA	GG	1940329207
SNP_P1_93100_9862270	NC_021164.1	Ca_kabuli_chr05	9862270	AA	GG	1940329209
SNP_P1_93101_9862307	NC_021164.1	Ca_kabuli_chr05	9862307	TT	CC	1940329211
SNP_P1_93102_9862316	NC_021164.1	Ca_kabuli_chr05	9862316	TT	CC	1940329212
SNP_P1_93103_9862324	NC_021164.1	Ca_kabuli_chr05	9862324	CC	TT	1940329214
SNP_P1_93104_9862558	NC_021164.1	Ca_kabuli_chr05	9862558	CC	TT	1940329216
SNP_P1_93105_9862560	NC_021164.1	Ca_kabuli_chr05	9862560	TT	AA	1940329217
SNP_P1_93106_9863836	NC_021164.1	Ca_kabuli_chr05	9863836	GG	AA	1940329219
SNP_P1_93107_9864991	NC_021164.1	Ca_kabuli_chr05	9864991	CC	TT	1940329221
SNP_P1_93108_9865183	NC_021164.1	Ca_kabuli_chr05	9865183	TT	GG	1940329222
SNP_P1_93109_9867438	NC_021164.1	Ca_kabuli_chr05	9867438	CC	TT	1940329224
SNP_P1_93110_9867637	NC_021164.1	Ca_kabuli_chr05	9867637	TT	GG	1940329226
SNP_P1_93111_9867705	NC_021164.1	Ca_kabuli_chr05	9867705	AA	GG	1940329228
SNP_P1_93112_9868378	NC_021164.1	Ca_kabuli_chr05	9868378	CC	TT	1940329229
SNP_P1_93113_9868407	NC_021164.1	Ca_kabuli_chr05	9868407	TT	CC	1940329231
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SNP_P1_93116_9869455	NC_021164.1	Ca_kabuli_chr05	9869455	TT	AA	1940329236
SNP_P1_93117_9869487	NC_021164.1	Ca_kabuli_chr05	9869487	TT	CC	1940329238
SNP_P1_93118_9869837	NC_021164.1	Ca_kabuli_chr05	9869837	CC	TT	1940329239
SNP_P1_93120_9872154	NC_021164.1	Ca_kabuli_chr05	9872154	TT	GG	1940329241
SNP_P1_93121_9872300	NC_021164.1	Ca_kabuli_chr05	9872300	AA	TT	1940329243
SNP_P1_93122_9872375	NC_021164.1	Ca_kabuli_chr05	9872375	TT	AA	1940329245
SNP_P1_93123_9874883	NC_021164.1	Ca_kabuli_chr05	9874883	AA	CC	1940329246
SNP_P1_93124_9876068	NC_021164.1	Ca_kabuli_chr05	9876068	AA	GG	1940329248
SNP_P1_93125_9878543	NC_021164.1	Ca_kabuli_chr05	9878543	CC	TT	1940329250
SNP_P1_93128_9880916	NC_021164.1	Ca_kabuli_chr05	9880916	CC	GG	1940329251
SNP_P1_93129_9881124	NC_021164.1	Ca_kabuli_chr05	9881124	TT	CC	1940329253
SNP_P1_93131_9883074	NC_021164.1	Ca_kabuli_chr05	9883074	AA	TT	1940329255
SNP_P1_93132_9883118	NC_021164.1	Ca_kabuli_chr05	9883118	GG	TT	1940329256
SNP_P1_93133_9883151	NC_021164.1	Ca_kabuli_chr05	9883151	CC	TT	1940329258
SNP_P1_93135_9883419	NC_021164.1	Ca_kabuli_chr05	9883419	GG	CC	1940329260
SNP_P1_93136_9883425	NC_021164.1	Ca_kabuli_chr05	9883425	AA	GG	1940329262
SNP_P1_93137_9883429	NC_021164.1	Ca_kabuli_chr05	9883429	AA	TT	1940329263

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93140_9883461	NC_021164.1	Ca_kabuli_chr05	9883461	AA	CC	1940329268
SNP_P1_93142_9883544	NC_021164.1	Ca_kabuli_chr05	9883544	GG	AA	1940329270
SNP_P1_93143_9884164	NC_021164.1	Ca_kabuli_chr05	9884164	TT	CC	1940329272
SNP_P1_93144_9884169	NC_021164.1	Ca_kabuli_chr05	9884169	AA	GG	1940329273
SNP_P1_93145_9884182	NC_021164.1	Ca_kabuli_chr05	9884182	CC	TT	1940329275
SNP_P1_93146_9884382	NC_021164.1	Ca_kabuli_chr05	9884382	CC	TT	1940329277
SNP_P1_93147_9884386	NC_021164.1	Ca_kabuli_chr05	9884386	TT	CC	1940329279
SNP_P1_93149_9884781	NC_021164.1	Ca_kabuli_chr05	9884781	TT	CC	1940329280
SNP_P1_93150_9884899	NC_021164.1	Ca_kabuli_chr05	9884899	CC	TT	1940329282
SNP_P1_93151_9884913	NC_021164.1	Ca_kabuli_chr05	9884913	CC	TT	1940329284
SNP_P1_93152_9884923	NC_021164.1	Ca_kabuli_chr05	9884923	CC	TT	1940329285
SNP_P1_93153_9884930	NC_021164.1	Ca_kabuli_chr05	9884930	TT	CC	1940329287
SNP_P1_93154_9884968	NC_021164.1	Ca_kabuli_chr05	9884968	CC	TT	1940329289
SNP_P1_93155_9884986	NC_021164.1	Ca_kabuli_chr05	9884986	AA	TT	1940329290
SNP_P1_93156_9885684	NC_021164.1	Ca_kabuli_chr05	9885684	AA	GG	1940329292
SNP_P1_93157_9885938	NC_021164.1	Ca_kabuli_chr05	9885938	AA	GG	1940329294
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SNP_P1_93161_9886628	NC_021164.1	Ca_kabuli_chr05	9886628	CC	TT	1940329299
SNP_P1_93162_9886972	NC_021164.1	Ca_kabuli_chr05	9886972	AA	GG	1940329301
SNP_P1_93163_9887109	NC_021164.1	Ca_kabuli_chr05	9887109	AA	GG	1940329302
SNP_P1_93164_9887129	NC_021164.1	Ca_kabuli_chr05	9887129	TT	AA	1940329304
SNP_P1_93165_9887135	NC_021164.1	Ca_kabuli_chr05	9887135	AA	GG	1940329306
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SNP_P1_93169_9887265	NC_021164.1	Ca_kabuli_chr05	9887265	GG	TT	1940329313
SNP_P1_93170_9887342	NC_021164.1	Ca_kabuli_chr05	9887342	TT	GG	1940329314
SNP_P1_93171_9887530	NC_021164.1	Ca_kabuli_chr05	9887530	TT	CC	1940329316
SNP_P1_93172_9887634	NC_021164.1	Ca_kabuli_chr05	9887634	TT	GG	1940329318
SNP_P1_93173_9887651	NC_021164.1	Ca_kabuli_chr05	9887651	AA	GG	1940329319
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SNP_P1_93175_9887773	NC_021164.1	Ca_kabuli_chr05	9887773	AA	CC	1940329323
SNP_P1_93176_9887783	NC_021164.1	Ca_kabuli_chr05	9887783	CC	TT	1940329325
SNP_P1_93177_9887814	NC_021164.1	Ca_kabuli_chr05	9887814	TT	CC	1940329326
SNP_P1_93178_9887815	NC_021164.1	Ca_kabuli_chr05	9887815	GG	AA	1940329328
SNP_P1_93179_9892990	NC_021164.1	Ca_kabuli_chr05	9892990	AA	GG	1940329330
SNP_P1_93180_9893004	NC_021164.1	Ca_kabuli_chr05	9893004	GG	AA	1940329331
SNP_P1_93181_9896894	NC_021164.1	Ca_kabuli_chr05	9896894	GG	CC	1940329333
SNP_P1_93184_9897276	NC_021164.1	Ca_kabuli_chr05	9897276	AA	GG	1940329335

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93186_9899082	NC_021164.1	Ca_kabuli_chr05	9899082	GG	AA	1940329338
SNP_P1_93188_9900515	NC_021164.1	Ca_kabuli_chr05	9900515	AA	TT	1940329340
SNP_P1_93189_9903334	NC_021164.1	Ca_kabuli_chr05	9903334	TT	CC	1940329342
SNP_P1_93190_9904969	NC_021164.1	Ca_kabuli_chr05	9904969	CC	TT	1940329343
SNP_P1_93191_9905233	NC_021164.1	Ca_kabuli_chr05	9905233	GG	AA	1940329345
SNP_P1_93192_9905350	NC_021164.1	Ca_kabuli_chr05	9905350	CC	TT	1940329347
SNP_P1_93194_9906177	NC_021164.1	Ca_kabuli_chr05	9906177	GG	AA	1940329348
SNP_P1_93195_9906396	NC_021164.1	Ca_kabuli_chr05	9906396	TT	AA	1940329350
SNP_P1_93196_9906502	NC_021164.1	Ca_kabuli_chr05	9906502	AA	GG	1940329352
SNP_P1_93197_9906506	NC_021164.1	Ca_kabuli_chr05	9906506	AA	TT	1940329353
SNP_P1_93198_9906550	NC_021164.1	Ca_kabuli_chr05	9906550	CC	TT	1940329355
SNP_P1_93199_9906908	NC_021164.1	Ca_kabuli_chr05	9906908	AA	GG	1940329357
SNP_P1_93200_9906923	NC_021164.1	Ca_kabuli_chr05	9906923	TT	CC	1940329359
SNP_P1_93201_9907450	NC_021164.1	Ca_kabuli_chr05	9907450	AA	TT	1940329360
SNP_P1_93202_9907519	NC_021164.1	Ca_kabuli_chr05	9907519	CC	TT	1940329362
SNP_P1_93203_9907553	NC_021164.1	Ca_kabuli_chr05	9907553	TT	AA	1940329364
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SNP_P1_93208_9908127	NC_021164.1	Ca_kabuli_chr05	9908127	AA	TT	1940329370
SNP_P1_93209_9908169	NC_021164.1	Ca_kabuli_chr05	9908169	GG	AA	1940329372
SNP_P1_93210_9908335	NC_021164.1	Ca_kabuli_chr05	9908335	TT	CC	1940329374
SNP_P1_93211_9911096	NC_021164.1	Ca_kabuli_chr05	9911096	AA	CC	1940329376
SNP_P1_93212_9911182	NC_021164.1	Ca_kabuli_chr05	9911182	TT	GG	1940329377
SNP_P1_93213_9911214	NC_021164.1	Ca_kabuli_chr05	9911214	GG	AA	1940329379
SNP_P1_93214_9911262	NC_021164.1	Ca_kabuli_chr05	9911262	AA	GG	1940329381
SNP_P1_93215_9911285	NC_021164.1	Ca_kabuli_chr05	9911285	CC	TT	1940329382
SNP_P1_93216_9911523	NC_021164.1	Ca_kabuli_chr05	9911523	GG	TT	1940329384
SNP_P1_93218_9911863	NC_021164.1	Ca_kabuli_chr05	9911863	GG	CC	1940329386
SNP_P1_93219_9911870	NC_021164.1	Ca_kabuli_chr05	9911870	CC	TT	1940329388
SNP_P1_93220_9911900	NC_021164.1	Ca_kabuli_chr05	9911900	GG	TT	1940329389
SNP_P1_93221_9912453	NC_021164.1	Ca_kabuli_chr05	9912453	AA	GG	1940329391
SNP_P1_93223_9912585	NC_021164.1	Ca_kabuli_chr05	9912585	AA	TT	1940329393
SNP_P1_93224_9912644	NC_021164.1	Ca_kabuli_chr05	9912644	GG	AA	1940329394
SNP_P1_93225_9912650	NC_021164.1	Ca_kabuli_chr05	9912650	CC	TT	1940329396
SNP_P1_93226_9912657	NC_021164.1	Ca_kabuli_chr05	9912657	AA	GG	1940329398
SNP_P1_93227_9912692	NC_021164.1	Ca_kabuli_chr05	9912692	CC	TT	1940329399
SNP_P1_93228_9912717	NC_021164.1	Ca_kabuli_chr05	9912717	CC	TT	1940329401
SNP_P1_93230_9912779	NC_021164.1	Ca_kabuli_chr05	9912779	GG	AA	1940329403
SNP_P1_93231_9912796	NC_021164.1	Ca_kabuli_chr05	9912796	CC	TT	1940329405
SNP_P1_93232_9912814	NC_021164.1	Ca_kabuli_chr05	9912814	CC	TT	1940329406

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93234_9913165	NC_021164.1	Ca_kabuli_chr05	9913165	TT	AA	1940329410
SNP_P1_93235_9913189	NC_021164.1	Ca_kabuli_chr05	9913189	TT	GG	1940329411
SNP_P1_93236_9913239	NC_021164.1	Ca_kabuli_chr05	9913239	TT	AA	1940329413
SNP_P1_93238_9913512	NC_021164.1	Ca_kabuli_chr05	9913512	AA	GG	1940329415
SNP_P1_93239_9913513	NC_021164.1	Ca_kabuli_chr05	9913513	CC	TT	1940329416
SNP_P1_93240_9913519	NC_021164.1	Ca_kabuli_chr05	9913519	AA	CC	1940329418
SNP_P1_93241_9913535	NC_021164.1	Ca_kabuli_chr05	9913535	GG	CC	1940329420
SNP_P1_93242_9913812	NC_021164.1	Ca_kabuli_chr05	9913812	TT	CC	1940329421
SNP_P1_93243_9913904	NC_021164.1	Ca_kabuli_chr05	9913904	AA	TT	1940329423
SNP_P1_93244_9913958	NC_021164.1	Ca_kabuli_chr05	9913958	AA	GG	1940329425
SNP_P1_93245_9914064	NC_021164.1	Ca_kabuli_chr05	9914064	CC	GG	1940329427
SNP_P1_93246_9914081	NC_021164.1	Ca_kabuli_chr05	9914081	GG	AA	1940329428
SNP_P1_93247_9914085	NC_021164.1	Ca_kabuli_chr05	9914085	TT	CC	1940329430
SNP_P1_93248_9914121	NC_021164.1	Ca_kabuli_chr05	9914121	TT	AA	1940329432
SNP_P1_93249_9914124	NC_021164.1	Ca_kabuli_chr05	9914124	TT	GG	1940329433
SNP_P1_93250_9914158	NC_021164.1	Ca_kabuli_chr05	9914158	AA	GG	1940329435
SNP_P1_93251_9914424	NC_021164.1	Ca_kabuli_chr05	9914424	AA	TT	1940329437
SNP_P1_93252_9915124	NC_021164.1	Ca_kabuli_chr05	9915124	TT	CC	1940329439
SNP_P1_93253_9915471	NC_021164.1	Ca_kabuli_chr05	9915471	CC	TT	1940329440
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SNP_P1_93256_9916163	NC_021164.1	Ca_kabuli_chr05	9916163	TT	CC	1940329445
SNP_P1_93257_9916302	NC_021164.1	Ca_kabuli_chr05	9916302	TT	AA	1940329447
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SNP_P1_93259_9916681	NC_021164.1	Ca_kabuli_chr05	9916681	CC	TT	1940329450
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SNP_P1_93261_9916887	NC_021164.1	Ca_kabuli_chr05	9916887	AA	GG	1940329454
SNP_P1_93262_9916976	NC_021164.1	Ca_kabuli_chr05	9916976	CC	TT	1940329456
SNP_P1_93263_9916990	NC_021164.1	Ca_kabuli_chr05	9916990	TT	CC	1940329457
SNP_P1_93264_9917234	NC_021164.1	Ca_kabuli_chr05	9917234	TT	AA	1940329459
SNP_P1_93265_9917546	NC_021164.1	Ca_kabuli_chr05	9917546	CC	TT	1940329461
SNP_P1_93266_9917558	NC_021164.1	Ca_kabuli_chr05	9917558	AA	GG	1940329462
SNP_P1_93267_9917662	NC_021164.1	Ca_kabuli_chr05	9917662	GG	AA	1940329464
SNP_P1_93269_9917756	NC_021164.1	Ca_kabuli_chr05	9917756	TT	CC	1940329466
SNP_P1_93270_9917783	NC_021164.1	Ca_kabuli_chr05	9917783	AA	GG	1940329467
SNP_P1_93271_9917803	NC_021164.1	Ca_kabuli_chr05	9917803	GG	TT	1940329469
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SNP_P1_93273_9918056	NC_021164.1	Ca_kabuli_chr05	9918056	CC	TT	1940329473
SNP_P1_93274_9918059	NC_021164.1	Ca_kabuli_chr05	9918059	GG	TT	1940329474
SNP_P1_93275_9918064	NC_021164.1	Ca_kabuli_chr05	9918064	TT	AA	1940329476
SNP_P1_93276_9918118	NC_021164.1	Ca_kabuli_chr05	9918118	GG	AA	1940329478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93279_9918138	NC_021164.1	Ca_kabuli_chr05	9918138	AA	GG	1940329483
SNP_P1_93280_9918144	NC_021164.1	Ca_kabuli_chr05	9918144	AA	GG	1940329484
SNP_P1_93281_9918150	NC_021164.1	Ca_kabuli_chr05	9918150	CC	TT	1940329486
SNP_P1_93282_9918278	NC_021164.1	Ca_kabuli_chr05	9918278	GG	AA	1940329488
SNP_P1_93283_9918702	NC_021164.1	Ca_kabuli_chr05	9918702	GG	TT	1940329490
SNP_P1_93284_9918715	NC_021164.1	Ca_kabuli_chr05	9918715	CC	TT	1940329491
SNP_P1_93285_9918719	NC_021164.1	Ca_kabuli_chr05	9918719	TT	CC	1940329493
SNP_P1_93286_9918722	NC_021164.1	Ca_kabuli_chr05	9918722	GG	TT	1940329495
SNP_P1_93287_9918723	NC_021164.1	Ca_kabuli_chr05	9918723	AA	TT	1940329496
SNP_P1_93288_9918726	NC_021164.1	Ca_kabuli_chr05	9918726	GG	TT	1940329498
SNP_P1_93289_9918957	NC_021164.1	Ca_kabuli_chr05	9918957	CC	TT	1940329500
SNP_P1_93291_9919341	NC_021164.1	Ca_kabuli_chr05	9919341	CC	AA	1940329502
SNP_P1_93292_9919349	NC_021164.1	Ca_kabuli_chr05	9919349	CC	TT	1940329503
SNP_P1_93293_9920270	NC_021164.1	Ca_kabuli_chr05	9920270	CC	TT	1940329505
SNP_P1_93294_9920785	NC_021164.1	Ca_kabuli_chr05	9920785	GG	AA	1940329507
SNP_P1_93295_9925114	NC_021164.1	Ca_kabuli_chr05	9925114	GG	AA	1940329508
SNP_P1_93296_9935732	NC_021164.1	Ca_kabuli_chr05	9935732	TT	GG	1940329510
SNP_P1_93297_9935918	NC_021164.1	Ca_kabuli_chr05	9935918	TT	CC	1940329512
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SNP_P1_93299_9935938	NC_021164.1	Ca_kabuli_chr05	9935938	AA	GG	1940329515
SNP_P1_93300_9936911	NC_021164.1	Ca_kabuli_chr05	9936911	CC	AA	1940329517
SNP_P1_93301_9936916	NC_021164.1	Ca_kabuli_chr05	9936916	GG	TT	1940329519
SNP_P1_93302_9937407	NC_021164.1	Ca_kabuli_chr05	9937407	TT	AA	1940329520
SNP_P1_93303_9937412	NC_021164.1	Ca_kabuli_chr05	9937412	AA	GG	1940329522
SNP_P1_93304_9937433	NC_021164.1	Ca_kabuli_chr05	9937433	TT	AA	1940329524
SNP_P1_93305_9937560	NC_021164.1	Ca_kabuli_chr05	9937560	GG	TT	1940329525
SNP_P1_93306_9937604	NC_021164.1	Ca_kabuli_chr05	9937604	GG	AA	1940329527
SNP_P1_93307_9947267	NC_021164.1	Ca_kabuli_chr05	9947267	TT	CC	1940329529
SNP_P1_93308_9947625	NC_021164.1	Ca_kabuli_chr05	9947625	CC	TT	1940329530
SNP_P1_93309_9947644	NC_021164.1	Ca_kabuli_chr05	9947644	AA	GG	1940329532
SNP_P1_93310_9947645	NC_021164.1	Ca_kabuli_chr05	9947645	GG	AA	1940329534
SNP_P1_93311_9948579	NC_021164.1	Ca_kabuli_chr05	9948579	TT	CC	1940329536
SNP_P1_93312_9948603	NC_021164.1	Ca_kabuli_chr05	9948603	CC	TT	1940329537
SNP_P1_93313_9948817	NC_021164.1	Ca_kabuli_chr05	9948817	TT	CC	1940329539
SNP_P1_93315_9948977	NC_021164.1	Ca_kabuli_chr05	9948977	TT	AA	1940329541
SNP_P1_93316_9949019	NC_021164.1	Ca_kabuli_chr05	9949019	GG	TT	1940329542
SNP_P1_93317_9949205	NC_021164.1	Ca_kabuli_chr05	9949205	AA	TT	1940329544
SNP_P1_93318_9949273	NC_021164.1	Ca_kabuli_chr05	9949273	TT	CC	1940329546
SNP_P1_93319_9949278	NC_021164.1	Ca_kabuli_chr05	9949278	GG	AA	1940329547
SNP_P1_93321_9950470	NC_021164.1	Ca_kabuli_chr05	9950470	GG	AA	1940329549

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93324_9951015	NC_021164.1	Ca_kabuli_chr05	9951015	TT	CC	1940329554
SNP_P1_93325_9951041	NC_021164.1	Ca_kabuli_chr05	9951041	AA	GG	1940329556
SNP_P1_93326_9951309	NC_021164.1	Ca_kabuli_chr05	9951309	TT	AA	1940329558
SNP_P1_93327_9952477	NC_021164.1	Ca_kabuli_chr05	9952477	AA	TT	1940329559
SNP_P1_93328_9953003	NC_021164.1	Ca_kabuli_chr05	9953003	TT	GG	1940329561
SNP_P1_93329_9953026	NC_021164.1	Ca_kabuli_chr05	9953026	AA	GG	1940329563
SNP_P1_93330_9953031	NC_021164.1	Ca_kabuli_chr05	9953031	AA	GG	1940329564
SNP_P1_93331_9953054	NC_021164.1	Ca_kabuli_chr05	9953054	TT	AA	1940329566
SNP_P1_93332_9953055	NC_021164.1	Ca_kabuli_chr05	9953055	TT	AA	1940329568
SNP_P1_93333_9953068	NC_021164.1	Ca_kabuli_chr05	9953068	GG	AA	1940329570
SNP_P1_93334_9953069	NC_021164.1	Ca_kabuli_chr05	9953069	TT	CC	1940329571
SNP_P1_93335_9953099	NC_021164.1	Ca_kabuli_chr05	9953099	TT	CC	1940329573
SNP_P1_93336_9953117	NC_021164.1	Ca_kabuli_chr05	9953117	TT	AA	1940329575
SNP_P1_93337_9953120	NC_021164.1	Ca_kabuli_chr05	9953120	TT	CC	1940329576
SNP_P1_93338_9953147	NC_021164.1	Ca_kabuli_chr05	9953147	GG	TT	1940329578
SNP_P1_93341_9953387	NC_021164.1	Ca_kabuli_chr05	9953387	CC	TT	1940329580
SNP_P1_93342_9953396	NC_021164.1	Ca_kabuli_chr05	9953396	AA	GG	1940329581
SNP_P1_93344_9953973	NC_021164.1	Ca_kabuli_chr05	9953973	TT	CC	1940329583
SNP_P1_93345_9954000	NC_021164.1	Ca_kabuli_chr05	9954000	GG	AA	1940329585
SNP_P1_93346_9954008	NC_021164.1	Ca_kabuli_chr05	9954008	TT	CC	1940329587
SNP_P1_93347_9954742	NC_021164.1	Ca_kabuli_chr05	9954742	GG	AA	1940329588
SNP_P1_93348_9954760	NC_021164.1	Ca_kabuli_chr05	9954760	AA	GG	1940329590
SNP_P1_93349_9954923	NC_021164.1	Ca_kabuli_chr05	9954923	CC	AA	1940329592
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SNP_P1_93354_9956721	NC_021164.1	Ca_kabuli_chr05	9956721	CC	TT	1940329598
SNP_P1_93355_9956930	NC_021164.1	Ca_kabuli_chr05	9956930	GG	AA	1940329600
SNP_P1_93356_9956931	NC_021164.1	Ca_kabuli_chr05	9956931	CC	AA	1940329602
SNP_P1_93357_9957414	NC_021164.1	Ca_kabuli_chr05	9957414	GG	AA	1940329604
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SNP_P1_93359_9957876	NC_021164.1	Ca_kabuli_chr05	9957876	TT	CC	1940329607
SNP_P1_93361_9958498	NC_021164.1	Ca_kabuli_chr05	9958498	AA	CC	1940329609
SNP_P1_93362_9959053	NC_021164.1	Ca_kabuli_chr05	9959053	CC	TT	1940329610
SNP_P1_93363_9961061	NC_021164.1	Ca_kabuli_chr05	9961061	CC	TT	1940329612
SNP_P1_93364_9961996	NC_021164.1	Ca_kabuli_chr05	9961996	GG	AA	1940329614
SNP_P1_93365_9962222	NC_021164.1	Ca_kabuli_chr05	9962222	TT	GG	1940329616
SNP_P1_93367_9962248	NC_021164.1	Ca_kabuli_chr05	9962248	GG	AA	1940329617
SNP_P1_93368_9963558	NC_021164.1	Ca_kabuli_chr05	9963558	TT	CC	1940329619
SNP_P1_93369_9963567	NC_021164.1	Ca_kabuli_chr05	9963567	AA	CC	1940329621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93371_9964497	NC_021164.1	Ca_kabuli_chr05	9964497	TT	GG	1940329624
SNP_P1_93372_9964546	NC_021164.1	Ca_kabuli_chr05	9964546	CC	GG	1940329626
SNP_P1_93373_9964651	NC_021164.1	Ca_kabuli_chr05	9964651	GG	AA	1940329627
SNP_P1_93375_9964897	NC_021164.1	Ca_kabuli_chr05	9964897	GG	AA	1940329629
SNP_P1_93376_9965203	NC_021164.1	Ca_kabuli_chr05	9965203	AA	CC	1940329631
SNP_P1_93377_9965273	NC_021164.1	Ca_kabuli_chr05	9965273	GG	CC	1940329633
SNP_P1_93378_9965283	NC_021164.1	Ca_kabuli_chr05	9965283	TT	CC	1940329634
SNP_P1_93379_9965307	NC_021164.1	Ca_kabuli_chr05	9965307	AA	CC	1940329636
SNP_P1_93380_9965371	NC_021164.1	Ca_kabuli_chr05	9965371	AA	GG	1940329638
SNP_P1_93381_9965389	NC_021164.1	Ca_kabuli_chr05	9965389	CC	TT	1940329639
SNP_P1_93383_9965568	NC_021164.1	Ca_kabuli_chr05	9965568	CC	TT	1940329641
SNP_P1_93384_9965686	NC_021164.1	Ca_kabuli_chr05	9965686	AA	CC	1940329643
SNP_P1_93385_9965731	NC_021164.1	Ca_kabuli_chr05	9965731	CC	GG	1940329644
SNP_P1_93386_9965823	NC_021164.1	Ca_kabuli_chr05	9965823	CC	AA	1940329646
SNP_P1_93387_9965880	NC_021164.1	Ca_kabuli_chr05	9965880	GG	CC	1940329648
SNP_P1_93388_9965890	NC_021164.1	Ca_kabuli_chr05	9965890	TT	CC	1940329650
SNP_P1_93389_9974990	NC_021164.1	Ca_kabuli_chr05	9974990	GG	AA	1940329651
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SNP_P1_93393_9977664	NC_021164.1	Ca_kabuli_chr05	9977664	TT	CC	1940329658
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SNP_P1_93395_9978829	NC_021164.1	Ca_kabuli_chr05	9978829	AA	CC	1940329661
SNP_P1_93396_9978860	NC_021164.1	Ca_kabuli_chr05	9978860	AA	GG	1940329663
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SNP_P1_93399_9979090	NC_021164.1	Ca_kabuli_chr05	9979090	CC	TT	1940329668
SNP_P1_93400_9979103	NC_021164.1	Ca_kabuli_chr05	9979103	TT	AA	1940329670
SNP_P1_93401_9979706	NC_021164.1	Ca_kabuli_chr05	9979706	AA	GG	1940329672
SNP_P1_93402_9979956	NC_021164.1	Ca_kabuli_chr05	9979956	AA	TT	1940329673
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SNP_P1_93404_9980027	NC_021164.1	Ca_kabuli_chr05	9980027	TT	CC	1940329677
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SNP_P1_93406_9981156	NC_021164.1	Ca_kabuli_chr05	9981156	CC	TT	1940329680
SNP_P1_93407_9981184	NC_021164.1	Ca_kabuli_chr05	9981184	GG	CC	1940329682
SNP_P1_93408_9981207	NC_021164.1	Ca_kabuli_chr05	9981207	CC	TT	1940329684
SNP_P1_93409_9981229	NC_021164.1	Ca_kabuli_chr05	9981229	AA	GG	1940329685
SNP_P1_93410_9981250	NC_021164.1	Ca_kabuli_chr05	9981250	TT	AA	1940329687
SNP_P1_93411_9981257	NC_021164.1	Ca_kabuli_chr05	9981257	AA	GG	1940329689
SNP_P1_93412_9981270	NC_021164.1	Ca_kabuli_chr05	9981270	AA	CC	1940329690
SNP_P1_93413_9981309	NC_021164.1	Ca_kabuli_chr05	9981309	TT	GG	1940329692

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93416_9981614	NC_021164.1	Ca_kabuli_chr05	9981614	AA	GG	1940329695
SNP_P1_93417_9981623	NC_021164.1	Ca_kabuli_chr05	9981623	TT	AA	1940329697
SNP_P1_93418_9981638	NC_021164.1	Ca_kabuli_chr05	9981638	AA	CC	1940329699
SNP_P1_93419_9981820	NC_021164.1	Ca_kabuli_chr05	9981820	TT	AA	1940329701
SNP_P1_93420_9981906	NC_021164.1	Ca_kabuli_chr05	9981906	GG	AA	1940329702
SNP_P1_93421_9981927	NC_021164.1	Ca_kabuli_chr05	9981927	AA	GG	1940329704
SNP_P1_93422_9983153	NC_021164.1	Ca_kabuli_chr05	9983153	GG	AA	1940329706
SNP_P1_93423_9983154	NC_021164.1	Ca_kabuli_chr05	9983154	CC	TT	1940329707
SNP_P1_93424_9983155	NC_021164.1	Ca_kabuli_chr05	9983155	TT	GG	1940329709
SNP_P1_93425_9983156	NC_021164.1	Ca_kabuli_chr05	9983156	TT	CC	1940329711
SNP_P1_93426_9983218	NC_021164.1	Ca_kabuli_chr05	9983218	TT	CC	1940329713
SNP_P1_93427_9983288	NC_021164.1	Ca_kabuli_chr05	9983288	CC	AA	1940329714
SNP_P1_93429_9983499	NC_021164.1	Ca_kabuli_chr05	9983499	AA	GG	1940329716
SNP_P1_93430_9984064	NC_021164.1	Ca_kabuli_chr05	9984064	CC	GG	1940329718
SNP_P1_93431_9984074	NC_021164.1	Ca_kabuli_chr05	9984074	AA	CC	1940329719
SNP_P1_93432_9984118	NC_021164.1	Ca_kabuli_chr05	9984118	TT	AA	1940329721
SNP_P1_93433_9984128	NC_021164.1	Ca_kabuli_chr05	9984128	GG	AA	1940329723
SNP_P1_93434_9984141	NC_021164.1	Ca_kabuli_chr05	9984141	AA	TT	1940329724
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SNP_P1_93438_9986198	NC_021164.1	Ca_kabuli_chr05	9986198	CC	AA	1940329731
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SNP_P1_93446_9986727	NC_021164.1	Ca_kabuli_chr05	9986727	GG	AA	1940329743
SNP_P1_93447_9986806	NC_021164.1	Ca_kabuli_chr05	9986806	GG	TT	1940329745
SNP_P1_93448_9986818	NC_021164.1	Ca_kabuli_chr05	9986818	GG	AA	1940329747
SNP_P1_93450_9987002	NC_021164.1	Ca_kabuli_chr05	9987002	TT	GG	1940329748
SNP_P1_93451_9987005	NC_021164.1	Ca_kabuli_chr05	9987005	CC	TT	1940329750
SNP_P1_93453_9988341	NC_021164.1	Ca_kabuli_chr05	9988341	TT	AA	1940329752
SNP_P1_93455_9989249	NC_021164.1	Ca_kabuli_chr05	9989249	GG	AA	1940329753
SNP_P1_93456_9989408	NC_021164.1	Ca_kabuli_chr05	9989408	TT	CC	1940329755
SNP_P1_93457_9991698	NC_021164.1	Ca_kabuli_chr05	9991698	CC	TT	1940329757
SNP_P1_93458_9991705	NC_021164.1	Ca_kabuli_chr05	9991705	TT	CC	1940329758
SNP_P1_93459_9992050	NC_021164.1	Ca_kabuli_chr05	9992050	TT	CC	1940329760
SNP_P1_93460_9992083	NC_021164.1	Ca_kabuli_chr05	9992083	CC	TT	1940329762
SNP_P1_93461_9992976	NC_021164.1	Ca_kabuli_chr05	9992976	TT	CC	1940329764

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93463_9993243	NC_021164.1	Ca_kabuli_chr05	9993243	CC	TT	1940329767
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SNP_P1_93465_9993389	NC_021164.1	Ca_kabuli_chr05	9993389	CC	TT	1940329770
SNP_P1_93466_9993407	NC_021164.1	Ca_kabuli_chr05	9993407	GG	AA	1940329772
SNP_P1_93467_9993442	NC_021164.1	Ca_kabuli_chr05	9993442	CC	GG	1940329774
SNP_P1_93468_9993443	NC_021164.1	Ca_kabuli_chr05	9993443	GG	CC	1940329776
SNP_P1_93469_9993763	NC_021164.1	Ca_kabuli_chr05	9993763	TT	CC	1940329777
SNP_P1_93470_9993765	NC_021164.1	Ca_kabuli_chr05	9993765	CC	GG	1940329779
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SNP_P1_93477_9995455	NC_021164.1	Ca_kabuli_chr05	9995455	CC	TT	1940329789
SNP_P1_93478_9995503	NC_021164.1	Ca_kabuli_chr05	9995503	AA	GG	1940329791
SNP_P1_93479_9995526	NC_021164.1	Ca_kabuli_chr05	9995526	GG	AA	1940329793
SNP_P1_93480_9995532	NC_021164.1	Ca_kabuli_chr05	9995532	TT	GG	1940329794
SNP_P1_93481_9995540	NC_021164.1	Ca_kabuli_chr05	9995540	GG	AA	1940329796
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SNP_P1_93486_9997215	NC_021164.1	Ca_kabuli_chr05	9997215	CC	AA	1940329803
SNP_P1_93487_10001267	NC_021164.1	Ca_kabuli_chr05	10001267	TT	GG	1940329804
SNP_P1_93488_10001283	NC_021164.1	Ca_kabuli_chr05	10001283	CC	TT	1940329806
SNP_P1_93489_10001306	NC_021164.1	Ca_kabuli_chr05	10001306	AA	GG	1940329808
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SNP_P1_93492_10001922	NC_021164.1	Ca_kabuli_chr05	10001922	GG	AA	1940329811
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SNP_P1_93497_10002943	NC_021164.1	Ca_kabuli_chr05	10002943	CC	GG	1940329820
SNP_P1_93498_10002956	NC_021164.1	Ca_kabuli_chr05	10002956	TT	CC	1940329821
SNP_P1_93499_10002968	NC_021164.1	Ca_kabuli_chr05	10002968	CC	TT	1940329823
SNP_P1_93500_10003140	NC_021164.1	Ca_kabuli_chr05	10003140	AA	CC	1940329825
SNP_P1_93502_10005611	NC_021164.1	Ca_kabuli_chr05	10005611	AA	GG	1940329827
SNP_P1_93503_10005892	NC_021164.1	Ca_kabuli_chr05	10005892	GG	AA	1940329828
SNP_P1_93504_10006269	NC_021164.1	Ca_kabuli_chr05	10006269	GG	AA	1940329830
SNP_P1_93505_10006702	NC_021164.1	Ca_kabuli_chr05	10006702	CC	GG	1940329832
SNP_P1_93506_10012718	NC_021164.1	Ca_kabuli_chr05	10012718	AA	GG	1940329833
SNP_P1_93507_10013615	NC_021164.1	Ca_kabuli_chr05	10013615	AA	TT	1940329835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_93508_10013637	NC_021164.1	Ca_kabuli_chr05	10013637	CC	GG	1940329837
SNP_P1_93509_10013808	NC_021164.1	Ca_kabuli_chr05	10013808	TT	AA	1940329839
SNP_P1_93511_10016229	NC_021164.1	Ca_kabuli_chr05	10016229	TT	CC	1940329840
SNP_P1_93512_10016316	NC_021164.1	Ca_kabuli_chr05	10016316	CC	TT	1940329842
SNP_P1_93513_10016321	NC_021164.1	Ca_kabuli_chr05	10016321	TT	CC	1940329844
SNP_P1_93514_10017790	NC_021164.1	Ca_kabuli_chr05	10017790	GG	TT	1940329845
SNP_P1_93515_10017802	NC_021164.1	Ca_kabuli_chr05	10017802	GG	TT	1940329847
SNP_P1_93516_10017924	NC_021164.1	Ca_kabuli_chr05	10017924	CC	TT	1940329849
SNP_P1_93517_10019309	NC_021164.1	Ca_kabuli_chr05	10019309	AA	GG	1940329850
SNP_P1_93519_10019540	NC_021164.1	Ca_kabuli_chr05	10019540	TT	CC	1940329852
SNP_P1_93520_10019542	NC_021164.1	Ca_kabuli_chr05	10019542	GG	AA	1940329854
SNP_P1_93521_10019567	NC_021164.1	Ca_kabuli_chr05	10019567	GG	CC	1940329856
SNP_P1_93522_10020114	NC_021164.1	Ca_kabuli_chr05	10020114	TT	AA	1940329857
SNP_P1_93523_10020246	NC_021164.1	Ca_kabuli_chr05	10020246	CC	AA	1940329859
SNP_P1_93524_10020248	NC_021164.1	Ca_kabuli_chr05	10020248	AA	GG	1940329861
SNP_P1_93525_10020291	NC_021164.1	Ca_kabuli_chr05	10020291	TT	CC	1940329862
SNP_P1_93527_10021402	NC_021164.1	Ca_kabuli_chr05	10021402	CC	TT	1940329864
SNP_P1_93528_10021423	NC_021164.1	Ca_kabuli_chr05	10021423	CC	TT	1940329866
SNP_P1_93529_10021506	NC_021164.1	Ca_kabuli_chr05	10021506	CC	TT	1940329868
SNP_P1_93530_10021568	NC_021164.1	Ca_kabuli_chr05	10021568	CC	TT	1940329869
SNP_P1_93531_10021617	NC_021164.1	Ca_kabuli_chr05	10021617	TT	CC	1940329871
SNP_P1_93532_10021622	NC_021164.1	Ca_kabuli_chr05	10021622	CC	TT	1940329873
SNP_P1_93533_10021667	NC_021164.1	Ca_kabuli_chr05	10021667	AA	CC	1940329874
SNP_P1_93534_10021718	NC_021164.1	Ca_kabuli_chr05	10021718	CC	TT	1940329876
SNP_P1_93535_10021747	NC_021164.1	Ca_kabuli_chr05	10021747	TT	AA	1940329878
SNP_P1_93536_10021748	NC_021164.1	Ca_kabuli_chr05	10021748	TT	GG	1940329879
SNP_P1_93537_10022067	NC_021164.1	Ca_kabuli_chr05	10022067	CC	TT	1940329881
SNP_P1_93538_10022180	NC_021164.1	Ca_kabuli_chr05	10022180	TT	AA	1940329883
SNP_P1_93539_10022251	NC_021164.1	Ca_kabuli_chr05	10022251	TT	CC	1940329885
SNP_P1_93540_10022691	NC_021164.1	Ca_kabuli_chr05	10022691	TT	CC	1940329886
SNP_P1_93541_10022712	NC_021164.1	Ca_kabuli_chr05	10022712	GG	TT	1940329888
SNP_P1_93542_10022717	NC_021164.1	Ca_kabuli_chr05	10022717	AA	GG	1940329890
SNP_P1_93544_10023095	NC_021164.1	Ca_kabuli_chr05	10023095	AA	GG	1940329891
SNP_P1_93545_10023291	NC_021164.1	Ca_kabuli_chr05	10023291	TT	CC	1940329893
SNP_P1_93546_10024292	NC_021164.1	Ca_kabuli_chr05	10024292	CC	TT	1940329895
SNP_P1_93547_10024317	NC_021164.1	Ca_kabuli_chr05	10024317	TT	CC	1940329897
SNP_P1_93548_10024327	NC_021164.1	Ca_kabuli_chr05	10024327	CC	TT	1940329898
SNP_P1_93549_10024363	NC_021164.1	Ca_kabuli_chr05	10024363	TT	GG	1940329900
SNP_P1_93551_10025017	NC_021164.1	Ca_kabuli_chr05	10025017	CC	TT	1940329902
SNP_P1_93553_10025871	NC_021164.1	Ca_kabuli_chr05	10025871	GG	CC	1940329903
SNP_P1_93554_10026124	NC_021164.1	Ca_kabuli_chr05	10026124	GG	AA	1940329905
SNP_P1_93555_10026238	NC_021164.1	Ca_kabuli_chr05	10026238	CC	AA	1940329907

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_93556_10026392	NC_021164.1	Ca_kabuli_chr05	10026392	AA	CC	1940329908
SNP_P1_93557_10026418	NC_021164.1	Ca_kabuli_chr05	10026418	CC	TT	1940329910
SNP_P1_93558_10026628	NC_021164.1	Ca_kabuli_chr05	10026628	GG	AA	1940329912
SNP_P1_93559_10026640	NC_021164.1	Ca_kabuli_chr05	10026640	TT	GG	1940329914
SNP_P1_93560_10026664	NC_021164.1	Ca_kabuli_chr05	10026664	TT	AA	1940329915
SNP_P1_93561_10026665	NC_021164.1	Ca_kabuli_chr05	10026665	GG	AA	1940329917
SNP_P1_93562_10026678	NC_021164.1	Ca_kabuli_chr05	10026678	TT	AA	1940329919
SNP_P1_93563_10026686	NC_021164.1	Ca_kabuli_chr05	10026686	AA	GG	1940329920
SNP_P1_93564_10026711	NC_021164.1	Ca_kabuli_chr05	10026711	CC	AA	1940329922
SNP_P1_93565_10027830	NC_021164.1	Ca_kabuli_chr05	10027830	CC	TT	1940329924
SNP_P1_93566_10027866	NC_021164.1	Ca_kabuli_chr05	10027866	AA	GG	1940329925
SNP_P1_93567_10027891	NC_021164.1	Ca_kabuli_chr05	10027891	TT	CC	1940329927
SNP_P1_93568_10028124	NC_021164.1	Ca_kabuli_chr05	10028124	TT	AA	1940329929
SNP_P1_93569_10028130	NC_021164.1	Ca_kabuli_chr05	10028130	TT	GG	1940329931
SNP_P1_93572_10029396	NC_021164.1	Ca_kabuli_chr05	10029396	TT	CC	1940329932
SNP_P1_93574_10029539	NC_021164.1	Ca_kabuli_chr05	10029539	TT	CC	1940329934
SNP_P1_93575_10030093	NC_021164.1	Ca_kabuli_chr05	10030093	CC	TT	1940329936
SNP_P1_93576_10031008	NC_021164.1	Ca_kabuli_chr05	10031008	GG	AA	1940329937
SNP_P1_93577_10032850	NC_021164.1	Ca_kabuli_chr05	10032850	AA	TT	1940329939
SNP_P1_93578_10032864	NC_021164.1	Ca_kabuli_chr05	10032864	GG	CC	1940329941
SNP_P1_93579_10034660	NC_021164.1	Ca_kabuli_chr05	10034660	AA	TT	1940329943
SNP_P1_93580_10034731	NC_021164.1	Ca_kabuli_chr05	10034731	TT	CC	1940329944
SNP_P1_93581_10035034	NC_021164.1	Ca_kabuli_chr05	10035034	CC	TT	1940329946
SNP_P1_93582_10035061	NC_021164.1	Ca_kabuli_chr05	10035061	TT	AA	1940329948
SNP_P1_93583_10035277	NC_021164.1	Ca_kabuli_chr05	10035277	CC	TT	1940329949
SNP_P1_93584_10045602	NC_021164.1	Ca_kabuli_chr05	10045602	GG	AA	1940329951
SNP_P1_93585_10045603	NC_021164.1	Ca_kabuli_chr05	10045603	TT	CC	1940329953
SNP_P1_93586_10045621	NC_021164.1	Ca_kabuli_chr05	10045621	CC	TT	1940329954
SNP_P1_93587_10047647	NC_021164.1	Ca_kabuli_chr05	10047647	AA	GG	1940329956
SNP_P1_93588_10047844	NC_021164.1	Ca_kabuli_chr05	10047844	TT	CC	1940329958
SNP_P1_93589_10047880	NC_021164.1	Ca_kabuli_chr05	10047880	CC	TT	1940329960
SNP_P1_93590_10047891	NC_021164.1	Ca_kabuli_chr05	10047891	TT	CC	1940329961
SNP_P1_93591_10047900	NC_021164.1	Ca_kabuli_chr05	10047900	TT	GG	1940329963
SNP_P1_93592_10047944	NC_021164.1	Ca_kabuli_chr05	10047944	CC	TT	1940329965
SNP_P1_93594_10048123	NC_021164.1	Ca_kabuli_chr05	10048123	CC	TT	1940329966
SNP_P1_93595_10048187	NC_021164.1	Ca_kabuli_chr05	10048187	CC	TT	1940329968
SNP_P1_93597_10048253	NC_021164.1	Ca_kabuli_chr05	10048253	AA	GG	1940329970
SNP_P1_93598_10048322	NC_021164.1	Ca_kabuli_chr05	10048322	GG	AA	1940329972
SNP_P1_93599_10048324	NC_021164.1	Ca_kabuli_chr05	10048324	CC	TT	1940329973
SNP_P1_93600_10048335	NC_021164.1	Ca_kabuli_chr05	10048335	GG	AA	1940329975
SNP_P1_93601_10048343	NC_021164.1	Ca_kabuli_chr05	10048343	AA	CC	1940329977
SNP_P1_93602_10048344	NC_021164.1	Ca_kabuli_chr05	10048344	AA	TT	1940329978

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93604_10048389	NC_021164.1	Ca_kabuli_chr05	10048389	TT	CC	1940329982
SNP_P1_93605_10048407	NC_021164.1	Ca_kabuli_chr05	10048407	TT	CC	1940329984
SNP_P1_93606_10048640	NC_021164.1	Ca_kabuli_chr05	10048640	TT	CC	1940329985
SNP_P1_93607_10048657	NC_021164.1	Ca_kabuli_chr05	10048657	GG	TT	1940329987
SNP_P1_93608_10048714	NC_021164.1	Ca_kabuli_chr05	10048714	AA	GG	1940329989
SNP_P1_93609_10049382	NC_021164.1	Ca_kabuli_chr05	10049382	GG	AA	1940329990
SNP_P1_93610_10049403	NC_021164.1	Ca_kabuli_chr05	10049403	CC	AA	1940329992
SNP_P1_93611_10050596	NC_021164.1	Ca_kabuli_chr05	10050596	AA	TT	1940329994
SNP_P1_93612_10050622	NC_021164.1	Ca_kabuli_chr05	10050622	GG	AA	1940329995
SNP_P1_93613_10050660	NC_021164.1	Ca_kabuli_chr05	10050660	AA	TT	1940329997
SNP_P1_93614_10050696	NC_021164.1	Ca_kabuli_chr05	10050696	GG	AA	1940329999
SNP_P1_93615_10051078	NC_021164.1	Ca_kabuli_chr05	10051078	TT	GG	1940330001
SNP_P1_93616_10051503	NC_021164.1	Ca_kabuli_chr05	10051503	TT	CC	1940330002
SNP_P1_93617_10051980	NC_021164.1	Ca_kabuli_chr05	10051980	AA	TT	1940330004
SNP_P1_93618_10052128	NC_021164.1	Ca_kabuli_chr05	10052128	AA	GG	1940330006
SNP_P1_93620_10054502	NC_021164.1	Ca_kabuli_chr05	10054502	TT	GG	1940330007
SNP_P1_93621_10054523	NC_021164.1	Ca_kabuli_chr05	10054523	GG	AA	1940330009
SNP_P1_93622_10054556	NC_021164.1	Ca_kabuli_chr05	10054556	GG	AA	1940330011
SNP_P1_93623_10054565	NC_021164.1	Ca_kabuli_chr05	10054565	CC	TT	1940330012
SNP_P1_93624_10054575	NC_021164.1	Ca_kabuli_chr05	10054575	GG	AA	1940330014
SNP_P1_93626_10056304	NC_021164.1	Ca_kabuli_chr05	10056304	CC	TT	1940330016
SNP_P1_93627_10056307	NC_021164.1	Ca_kabuli_chr05	10056307	AA	CC	1940330018
SNP_P1_93628_10056571	NC_021164.1	Ca_kabuli_chr05	10056571	TT	AA	1940330019
SNP_P1_93629_10056589	NC_021164.1	Ca_kabuli_chr05	10056589	CC	TT	1940330021
SNP_P1_93630_10056592	NC_021164.1	Ca_kabuli_chr05	10056592	AA	GG	1940330023
SNP_P1_93631_10056868	NC_021164.1	Ca_kabuli_chr05	10056868	TT	CC	1940330024
SNP_P1_93632_10057046	NC_021164.1	Ca_kabuli_chr05	10057046	TT	CC	1940330026
SNP_P1_93633_10057076	NC_021164.1	Ca_kabuli_chr05	10057076	CC	AA	1940330028
SNP_P1_93634_10057082	NC_021164.1	Ca_kabuli_chr05	10057082	GG	AA	1940330030
SNP_P1_93635_10057100	NC_021164.1	Ca_kabuli_chr05	10057100	CC	TT	1940330031
SNP_P1_93636_10057164	NC_021164.1	Ca_kabuli_chr05	10057164	CC	TT	1940330033
SNP_P1_93637_10057283	NC_021164.1	Ca_kabuli_chr05	10057283	GG	AA	1940330035
SNP_P1_93638_10057284	NC_021164.1	Ca_kabuli_chr05	10057284	TT	CC	1940330036
SNP_P1_93639_10057308	NC_021164.1	Ca_kabuli_chr05	10057308	CC	AA	1940330038
SNP_P1_93640_10059839	NC_021164.1	Ca_kabuli_chr05	10059839	CC	TT	1940330040
SNP_P1_93641_10059908	NC_021164.1	Ca_kabuli_chr05	10059908	CC	TT	1940330042
SNP_P1_93642_10059936	NC_021164.1	Ca_kabuli_chr05	10059936	AA	GG	1940330043
SNP_P1_93643_10060064	NC_021164.1	Ca_kabuli_chr05	10060064	AA	GG	1940330045
SNP_P1_93644_10060409	NC_021164.1	Ca_kabuli_chr05	10060409	CC	TT	1940330047
SNP_P1_93645_10060447	NC_021164.1	Ca_kabuli_chr05	10060447	CC	TT	1940330048
SNP_P1_93646_10060779	NC_021164.1	Ca_kabuli_chr05	10060779	AA	GG	1940330050

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93648_10060813	NC_021164.1	Ca_kabuli_chr05	10060813	CC	TT	1940330053
SNP_P1_93649_10060848	NC_021164.1	Ca_kabuli_chr05	10060848	CC	TT	1940330055
SNP_P1_93650_10060865	NC_021164.1	Ca_kabuli_chr05	10060865	GG	AA	1940330057
SNP_P1_93651_10060866	NC_021164.1	Ca_kabuli_chr05	10060866	CC	TT	1940330059
SNP_P1_93652_10060889	NC_021164.1	Ca_kabuli_chr05	10060889	AA	CC	1940330060
SNP_P1_93653_10061174	NC_021164.1	Ca_kabuli_chr05	10061174	GG	AA	1940330062
SNP_P1_93654_10061212	NC_021164.1	Ca_kabuli_chr05	10061212	CC	TT	1940330064
SNP_P1_93656_10061305	NC_021164.1	Ca_kabuli_chr05	10061305	AA	GG	1940330065
SNP_P1_93657_10061788	NC_021164.1	Ca_kabuli_chr05	10061788	CC	AA	1940330067
SNP_P1_93658_10064380	NC_021164.1	Ca_kabuli_chr05	10064380	GG	AA	1940330069
SNP_P1_93659_10065922	NC_021164.1	Ca_kabuli_chr05	10065922	GG	TT	1940330071
SNP_P1_93660_10074947	NC_021164.1	Ca_kabuli_chr05	10074947	TT	GG	1940330072
SNP_P1_93661_10076275	NC_021164.1	Ca_kabuli_chr05	10076275	GG	AA	1940330074
SNP_P1_93663_10076672	NC_021164.1	Ca_kabuli_chr05	10076672	CC	TT	1940330076
SNP_P1_93664_10076960	NC_021164.1	Ca_kabuli_chr05	10076960	TT	GG	1940330077
SNP_P1_93665_10076968	NC_021164.1	Ca_kabuli_chr05	10076968	TT	CC	1940330079
SNP_P1_93667_10077375	NC_021164.1	Ca_kabuli_chr05	10077375	TT	AA	1940330081
SNP_P1_93668_10077971	NC_021164.1	Ca_kabuli_chr05	10077971	TT	AA	1940330082
SNP_P1_93670_10083551	NC_021164.1	Ca_kabuli_chr05	10083551	TT	CC	1940330084
SNP_P1_93671_10084182	NC_021164.1	Ca_kabuli_chr05	10084182	GG	CC	1940330086
SNP_P1_93674_10084767	NC_021164.1	Ca_kabuli_chr05	10084767	AA	TT	1940330088
SNP_P1_93675_10084879	NC_021164.1	Ca_kabuli_chr05	10084879	TT	CC	1940330089
SNP_P1_93676_10084891	NC_021164.1	Ca_kabuli_chr05	10084891	TT	AA	1940330091
SNP_P1_93677_10085113	NC_021164.1	Ca_kabuli_chr05	10085113	CC	GG	1940330093
SNP_P1_93678_10085146	NC_021164.1	Ca_kabuli_chr05	10085146	GG	CC	1940330094
SNP_P1_93679_10085436	NC_021164.1	Ca_kabuli_chr05	10085436	TT	CC	1940330096
SNP_P1_93680_10086775	NC_021164.1	Ca_kabuli_chr05	10086775	TT	CC	1940330098
SNP_P1_93681_10087271	NC_021164.1	Ca_kabuli_chr05	10087271	GG	AA	1940330099
SNP_P1_93682_10087685	NC_021164.1	Ca_kabuli_chr05	10087685	TT	CC	1940330101
SNP_P1_93683_10087968	NC_021164.1	Ca_kabuli_chr05	10087968	GG	AA	1940330103
SNP_P1_93684_10088064	NC_021164.1	Ca_kabuli_chr05	10088064	GG	AA	1940330105
SNP_P1_93685_10092377	NC_021164.1	Ca_kabuli_chr05	10092377	CC	TT	1940330106
SNP_P1_93686_10092392	NC_021164.1	Ca_kabuli_chr05	10092392	AA	CC	1940330108
SNP_P1_93687_10093581	NC_021164.1	Ca_kabuli_chr05	10093581	TT	CC	1940330110
SNP_P1_93688_10093883	NC_021164.1	Ca_kabuli_chr05	10093883	CC	TT	1940330111
SNP_P1_93689_10093934	NC_021164.1	Ca_kabuli_chr05	10093934	GG	TT	1940330113
SNP_P1_93690_10094231	NC_021164.1	Ca_kabuli_chr05	10094231	TT	CC	1940330115
SNP_P1_93691_10094269	NC_021164.1	Ca_kabuli_chr05	10094269	GG	AA	1940330116
SNP_P1_93692_10094838	NC_021164.1	Ca_kabuli_chr05	10094838	CC	TT	1940330118
SNP_P1_93693_10095154	NC_021164.1	Ca_kabuli_chr05	10095154	CC	TT	1940330120
SNP_P1_93694_10097673	NC_021164.1	Ca_kabuli_chr05	10097673	TT	CC	1940330122

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93697_10097963	NC_021164.1	Ca_kabuli_chr05	10097963	AA	GG	1940330127
SNP_P1_93698_10097979	NC_021164.1	Ca_kabuli_chr05	10097979	AA	GG	1940330128
SNP_P1_93699_10098015	NC_021164.1	Ca_kabuli_chr05	10098015	AA	CC	1940330130
SNP_P1_93700_10098418	NC_021164.1	Ca_kabuli_chr05	10098418	AA	TT	1940330132
SNP_P1_93701_10098419	NC_021164.1	Ca_kabuli_chr05	10098419	TT	AA	1940330134
SNP_P1_93702_10099843	NC_021164.1	Ca_kabuli_chr05	10099843	GG	AA	1940330135
SNP_P1_93703_10100135	NC_021164.1	Ca_kabuli_chr05	10100135	CC	TT	1940330137
SNP_P1_93704_10100715	NC_021164.1	Ca_kabuli_chr05	10100715	CC	TT	1940330139
SNP_P1_93705_10101010	NC_021164.1	Ca_kabuli_chr05	10101010	CC	TT	1940330140
SNP_P1_93706_10101026	NC_021164.1	Ca_kabuli_chr05	10101026	CC	GG	1940330142
SNP_P1_93707_10101027	NC_021164.1	Ca_kabuli_chr05	10101027	AA	GG	1940330144
SNP_P1_93708_10112117	NC_021164.1	Ca_kabuli_chr05	10112117	TT	CC	1940330146
SNP_P1_93709_10113560	NC_021164.1	Ca_kabuli_chr05	10113560	TT	CC	1940330147
SNP_P1_93710_10113588	NC_021164.1	Ca_kabuli_chr05	10113588	GG	AA	1940330149
SNP_P1_93711_10113597	NC_021164.1	Ca_kabuli_chr05	10113597	GG	AA	1940330151
SNP_P1_93712_10113599	NC_021164.1	Ca_kabuli_chr05	10113599	TT	CC	1940330152
SNP_P1_93713_10113602	NC_021164.1	Ca_kabuli_chr05	10113602	CC	GG	1940330154
SNP_P1_93714_10113755	NC_021164.1	Ca_kabuli_chr05	10113755	CC	TT	1940330156
SNP_P1_93715_10113764	NC_021164.1	Ca_kabuli_chr05	10113764	GG	AA	1940330157
SNP_P1_93716_10113782	NC_021164.1	Ca_kabuli_chr05	10113782	AA	TT	1940330159
SNP_P1_93717_10113886	NC_021164.1	Ca_kabuli_chr05	10113886	CC	TT	1940330161
SNP_P1_93718_10113902	NC_021164.1	Ca_kabuli_chr05	10113902	TT	CC	1940330163
SNP_P1_93719_10113918	NC_021164.1	Ca_kabuli_chr05	10113918	CC	GG	1940330164
SNP_P1_93720_10114032	NC_021164.1	Ca_kabuli_chr05	10114032	CC	AA	1940330166
SNP_P1_93721_10114060	NC_021164.1	Ca_kabuli_chr05	10114060	CC	TT	1940330168
SNP_P1_93722_10114329	NC_021164.1	Ca_kabuli_chr05	10114329	AA	CC	1940330169
SNP_P1_93723_10114362	NC_021164.1	Ca_kabuli_chr05	10114362	AA	GG	1940330171
SNP_P1_93724_10114367	NC_021164.1	Ca_kabuli_chr05	10114367	GG	AA	1940330173
SNP_P1_93725_10115159	NC_021164.1	Ca_kabuli_chr05	10115159	TT	AA	1940330175
SNP_P1_93726_10115160	NC_021164.1	Ca_kabuli_chr05	10115160	TT	GG	1940330176
SNP_P1_93727_10115161	NC_021164.1	Ca_kabuli_chr05	10115161	CC	TT	1940330178
SNP_P1_93728_10115295	NC_021164.1	Ca_kabuli_chr05	10115295	AA	GG	1940330180
SNP_P1_93729_10115471	NC_021164.1	Ca_kabuli_chr05	10115471	TT	CC	1940330181
SNP_P1_93730_10115509	NC_021164.1	Ca_kabuli_chr05	10115509	TT	AA	1940330183
SNP_P1_93731_10115511	NC_021164.1	Ca_kabuli_chr05	10115511	CC	AA	1940330185
SNP_P1_93732_10117037	NC_021164.1	Ca_kabuli_chr05	10117037	AA	GG	1940330187
SNP_P1_93733_10117058	NC_021164.1	Ca_kabuli_chr05	10117058	TT	CC	1940330188
SNP_P1_93734_10117715	NC_021164.1	Ca_kabuli_chr05	10117715	GG	AA	1940330190
SNP_P1_93735_10117718	NC_021164.1	Ca_kabuli_chr05	10117718	AA	GG	1940330192
SNP_P1_93736_10117864	NC_021164.1	Ca_kabuli_chr05	10117864	GG	CC	1940330193

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93738_10119115	NC_021164.1	Ca_kabuli_chr05	10119115	TT	AA	1940330197
SNP_P1_93739_10119119	NC_021164.1	Ca_kabuli_chr05	10119119	AA	GG	1940330199
SNP_P1_93740_10119138	NC_021164.1	Ca_kabuli_chr05	10119138	TT	CC	1940330200
SNP_P1_93741_10119411	NC_021164.1	Ca_kabuli_chr05	10119411	AA	GG	1940330202
SNP_P1_93742_10119455	NC_021164.1	Ca_kabuli_chr05	10119455	AA	GG	1940330204
SNP_P1_93743_10119585	NC_021164.1	Ca_kabuli_chr05	10119585	GG	AA	1940330205
SNP_P1_93744_10120088	NC_021164.1	Ca_kabuli_chr05	10120088	GG	AA	1940330207
SNP_P1_93745_10120108	NC_021164.1	Ca_kabuli_chr05	10120108	GG	AA	1940330209
SNP_P1_93746_10120224	NC_021164.1	Ca_kabuli_chr05	10120224	GG	AA	1940330210
SNP_P1_93747_10120277	NC_021164.1	Ca_kabuli_chr05	10120277	TT	AA	1940330212
SNP_P1_93748_10120292	NC_021164.1	Ca_kabuli_chr05	10120292	TT	CC	1940330214
SNP_P1_93749_10120295	NC_021164.1	Ca_kabuli_chr05	10120295	CC	TT	1940330216
SNP_P1_93750_10120324	NC_021164.1	Ca_kabuli_chr05	10120324	AA	GG	1940330217
SNP_P1_93751_10120617	NC_021164.1	Ca_kabuli_chr05	10120617	GG	AA	1940330219
SNP_P1_93752_10121473	NC_021164.1	Ca_kabuli_chr05	10121473	AA	GG	1940330221
SNP_P1_93753_10121479	NC_021164.1	Ca_kabuli_chr05	10121479	TT	GG	1940330222
SNP_P1_93754_10121609	NC_021164.1	Ca_kabuli_chr05	10121609	AA	CC	1940330224
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SNP_P1_93757_10124024	NC_021164.1	Ca_kabuli_chr05	10124024	TT	GG	1940330228
SNP_P1_93759_10124353	NC_021164.1	Ca_kabuli_chr05	10124353	GG	AA	1940330229
SNP_P1_93760_10124358	NC_021164.1	Ca_kabuli_chr05	10124358	AA	TT	1940330231
SNP_P1_93761_10124378	NC_021164.1	Ca_kabuli_chr05	10124378	CC	TT	1940330233
SNP_P1_93762_10124444	NC_021164.1	Ca_kabuli_chr05	10124444	TT	CC	1940330234
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SNP_P1_93766_10124834	NC_021164.1	Ca_kabuli_chr05	10124834	TT	AA	1940330241
SNP_P1_93767_10124837	NC_021164.1	Ca_kabuli_chr05	10124837	CC	TT	1940330243
SNP_P1_93768_10124870	NC_021164.1	Ca_kabuli_chr05	10124870	AA	GG	1940330245
SNP_P1_93769_10124879	NC_021164.1	Ca_kabuli_chr05	10124879	GG	AA	1940330246
SNP_P1_93770_10125309	NC_021164.1	Ca_kabuli_chr05	10125309	AA	TT	1940330248
SNP_P1_93773_10127623	NC_021164.1	Ca_kabuli_chr05	10127623	GG	TT	1940330250
SNP_P1_93775_10127828	NC_021164.1	Ca_kabuli_chr05	10127828	CC	AA	1940330252
SNP_P1_93776_10127961	NC_021164.1	Ca_kabuli_chr05	10127961	AA	CC	1940330253
SNP_P1_93777_10129209	NC_021164.1	Ca_kabuli_chr05	10129209	CC	TT	1940330255
SNP_P1_93779_10131293	NC_021164.1	Ca_kabuli_chr05	10131293	GG	CC	1940330257
SNP_P1_93780_10131316	NC_021164.1	Ca_kabuli_chr05	10131316	TT	CC	1940330258
SNP_P1_93781_10131356	NC_021164.1	Ca_kabuli_chr05	10131356	GG	CC	1940330260
SNP_P1_93782_10131409	NC_021164.1	Ca_kabuli_chr05	10131409	CC	TT	1940330262
SNP_P1_93783_10131432	NC_021164.1	Ca_kabuli_chr05	10131432	AA	GG	1940330264
SNP_P1_93784_10131436	NC_021164.1	Ca_kabuli_chr05	10131436	AA	GG	1940330265

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93788_10131715	NC_021164.1	Ca_kabuli_chr05	10131715	GG	AA	1940330269
SNP_P1_93789_10131814	NC_021164.1	Ca_kabuli_chr05	10131814	TT	CC	1940330270
SNP_P1_93790_10131916	NC_021164.1	Ca_kabuli_chr05	10131916	AA	GG	1940330272
SNP_P1_93791_10131948	NC_021164.1	Ca_kabuli_chr05	10131948	CC	TT	1940330274
SNP_P1_93792_10132168	NC_021164.1	Ca_kabuli_chr05	10132168	AA	GG	1940330275
SNP_P1_93793_10132186	NC_021164.1	Ca_kabuli_chr05	10132186	CC	TT	1940330277
SNP_P1_93795_10132225	NC_021164.1	Ca_kabuli_chr05	10132225	GG	AA	1940330279
SNP_P1_93796_10132333	NC_021164.1	Ca_kabuli_chr05	10132333	CC	TT	1940330281
SNP_P1_93797_10135948	NC_021164.1	Ca_kabuli_chr05	10135948	AA	GG	1940330282
SNP_P1_93798_10140442	NC_021164.1	Ca_kabuli_chr05	10140442	GG	AA	1940330284
SNP_P1_93799_10141071	NC_021164.1	Ca_kabuli_chr05	10141071	TT	CC	1940330286
SNP_P1_93800_10141116	NC_021164.1	Ca_kabuli_chr05	10141116	GG	TT	1940330287
SNP_P1_93801_10141124	NC_021164.1	Ca_kabuli_chr05	10141124	TT	GG	1940330289
SNP_P1_93802_10141207	NC_021164.1	Ca_kabuli_chr05	10141207	TT	CC	1940330291
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SNP_P1_93804_10141303	NC_021164.1	Ca_kabuli_chr05	10141303	AA	GG	1940330294
SNP_P1_93805_10141381	NC_021164.1	Ca_kabuli_chr05	10141381	CC	TT	1940330296
SNP_P1_93806_10141526	NC_021164.1	Ca_kabuli_chr05	10141526	CC	AA	1940330298
SNP_P1_93807_10141579	NC_021164.1	Ca_kabuli_chr05	10141579	TT	CC	1940330299
SNP_P1_93808_10141680	NC_021164.1	Ca_kabuli_chr05	10141680	CC	TT	1940330301
SNP_P1_93809_10141700	NC_021164.1	Ca_kabuli_chr05	10141700	CC	TT	1940330303
SNP_P1_93810_10141744	NC_021164.1	Ca_kabuli_chr05	10141744	AA	GG	1940330305
SNP_P1_93811_10141755	NC_021164.1	Ca_kabuli_chr05	10141755	TT	AA	1940330306
SNP_P1_93812_10142006	NC_021164.1	Ca_kabuli_chr05	10142006	GG	CC	1940330308
SNP_P1_93813_10142027	NC_021164.1	Ca_kabuli_chr05	10142027	TT	CC	1940330310
SNP_P1_93814_10142038	NC_021164.1	Ca_kabuli_chr05	10142038	AA	CC	1940330311
SNP_P1_93815_10142236	NC_021164.1	Ca_kabuli_chr05	10142236	AA	GG	1940330313
SNP_P1_93816_10142312	NC_021164.1	Ca_kabuli_chr05	10142312	CC	TT	1940330315
SNP_P1_93817_10142849	NC_021164.1	Ca_kabuli_chr05	10142849	GG	AA	1940330317
SNP_P1_93818_10142859	NC_021164.1	Ca_kabuli_chr05	10142859	TT	CC	1940330318
SNP_P1_93819_10143183	NC_021164.1	Ca_kabuli_chr05	10143183	TT	AA	1940330320
SNP_P1_93820_10143260	NC_021164.1	Ca_kabuli_chr05	10143260	TT	CC	1940330322
SNP_P1_93821_10143514	NC_021164.1	Ca_kabuli_chr05	10143514	GG	AA	1940330323
SNP_P1_93822_10143526	NC_021164.1	Ca_kabuli_chr05	10143526	CC	AA	1940330325
SNP_P1_93823_10143565	NC_021164.1	Ca_kabuli_chr05	10143565	AA	GG	1940330327
SNP_P1_93824_10143600	NC_021164.1	Ca_kabuli_chr05	10143600	TT	GG	1940330329
SNP_P1_93825_10143633	NC_021164.1	Ca_kabuli_chr05	10143633	TT	GG	1940330330
SNP_P1_93826_10143674	NC_021164.1	Ca_kabuli_chr05	10143674	GG	AA	1940330332
SNP_P1_93827_10143677	NC_021164.1	Ca_kabuli_chr05	10143677	GG	AA	1940330334
SNP_P1_93828_10143999	NC_021164.1	Ca_kabuli_chr05	10143999	GG	AA	1940330335
SNP_P1_93829_10144875	NC_021164.1	Ca_kabuli_chr05	10144875	CC	GG	1940330337

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93831_10145038	NC_021164.1	Ca_kabuli_chr05	10145038	TT	CC	1940330341
SNP_P1_93832_10145039	NC_021164.1	Ca_kabuli_chr05	10145039	AA	GG	1940330342
SNP_P1_93833_10145049	NC_021164.1	Ca_kabuli_chr05	10145049	AA	GG	1940330344
SNP_P1_93834_10145126	NC_021164.1	Ca_kabuli_chr05	10145126	CC	GG	1940330346
SNP_P1_93835_10145156	NC_021164.1	Ca_kabuli_chr05	10145156	TT	CC	1940330347
SNP_P1_93836_10145248	NC_021164.1	Ca_kabuli_chr05	10145248	CC	TT	1940330349
SNP_P1_93837_10145276	NC_021164.1	Ca_kabuli_chr05	10145276	CC	AA	1940330351
SNP_P1_93838_10145277	NC_021164.1	Ca_kabuli_chr05	10145277	GG	AA	1940330353
SNP_P1_93839_10145330	NC_021164.1	Ca_kabuli_chr05	10145330	GG	TT	1940330354
SNP_P1_93840_10145358	NC_021164.1	Ca_kabuli_chr05	10145358	CC	TT	1940330356
SNP_P1_93841_10145363	NC_021164.1	Ca_kabuli_chr05	10145363	GG	AA	1940330358
SNP_P1_93842_10145567	NC_021164.1	Ca_kabuli_chr05	10145567	TT	GG	1940330359
SNP_P1_93843_10145581	NC_021164.1	Ca_kabuli_chr05	10145581	CC	GG	1940330361
SNP_P1_93844_10145584	NC_021164.1	Ca_kabuli_chr05	10145584	TT	CC	1940330363
SNP_P1_93845_10145673	NC_021164.1	Ca_kabuli_chr05	10145673	AA	TT	1940330365
SNP_P1_93846_10145711	NC_021164.1	Ca_kabuli_chr05	10145711	CC	TT	1940330366
SNP_P1_93847_10146030	NC_021164.1	Ca_kabuli_chr05	10146030	CC	TT	1940330368
SNP_P1_93848_10146343	NC_021164.1	Ca_kabuli_chr05	10146343	CC	TT	1940330370
SNP_P1_93849_10146423	NC_021164.1	Ca_kabuli_chr05	10146423	TT	CC	1940330371
SNP_P1_93850_10146483	NC_021164.1	Ca_kabuli_chr05	10146483	AA	GG	1940330373
SNP_P1_93851_10146828	NC_021164.1	Ca_kabuli_chr05	10146828	TT	CC	1940330375
SNP_P1_93852_10146874	NC_021164.1	Ca_kabuli_chr05	10146874	CC	TT	1940330377
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SNP_P1_93854_10148292	NC_021164.1	Ca_kabuli_chr05	10148292	CC	TT	1940330380
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SNP_P1_93858_10149551	NC_021164.1	Ca_kabuli_chr05	10149551	GG	AA	1940330385
SNP_P1_93859_10149718	NC_021164.1	Ca_kabuli_chr05	10149718	TT	CC	1940330387
SNP_P1_93860_10149750	NC_021164.1	Ca_kabuli_chr05	10149750	TT	CC	1940330389
SNP_P1_93861_10149751	NC_021164.1	Ca_kabuli_chr05	10149751	GG	AA	1940330390
SNP_P1_93862_10149790	NC_021164.1	Ca_kabuli_chr05	10149790	TT	CC	1940330392
SNP_P1_93863_10149945	NC_021164.1	Ca_kabuli_chr05	10149945	CC	GG	1940330394
SNP_P1_93864_10150085	NC_021164.1	Ca_kabuli_chr05	10150085	GG	AA	1940330395
SNP_P1_93866_10150211	NC_021164.1	Ca_kabuli_chr05	10150211	TT	CC	1940330397
SNP_P1_93867_10150214	NC_021164.1	Ca_kabuli_chr05	10150214	AA	GG	1940330399
SNP_P1_93868_10150233	NC_021164.1	Ca_kabuli_chr05	10150233	GG	AA	1940330401
SNP_P1_93869_10150239	NC_021164.1	Ca_kabuli_chr05	10150239	AA	GG	1940330402
SNP_P1_93870_10150353	NC_021164.1	Ca_kabuli_chr05	10150353	GG	AA	1940330404
SNP_P1_93871_10150363	NC_021164.1	Ca_kabuli_chr05	10150363	CC	TT	1940330406
SNP_P1_93872_10151728	NC_021164.1	Ca_kabuli_chr05	10151728	GG	AA	1940330407
SNP_P1_93873_10151737	NC_021164.1	Ca_kabuli_chr05	10151737	AA	GG	1940330409

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93876_10151795	NC_021164.1	Ca_kabuli_chr05	10151795	GG	AA	1940330414
SNP_P1_93877_10154135	NC_021164.1	Ca_kabuli_chr05	10154135	AA	TT	1940330416
SNP_P1_93878_10154139	NC_021164.1	Ca_kabuli_chr05	10154139	CC	TT	1940330418
SNP_P1_93879_10154178	NC_021164.1	Ca_kabuli_chr05	10154178	CC	TT	1940330419
SNP_P1_93880_10154182	NC_021164.1	Ca_kabuli_chr05	10154182	CC	AA	1940330421
SNP_P1_93882_10154673	NC_021164.1	Ca_kabuli_chr05	10154673	AA	GG	1940330423
SNP_P1_93883_10154918	NC_021164.1	Ca_kabuli_chr05	10154918	TT	GG	1940330424
SNP_P1_93884_10154924	NC_021164.1	Ca_kabuli_chr05	10154924	TT	CC	1940330426
SNP_P1_93885_10155276	NC_021164.1	Ca_kabuli_chr05	10155276	TT	CC	1940330428
SNP_P1_93886_10155724	NC_021164.1	Ca_kabuli_chr05	10155724	CC	TT	1940330430
SNP_P1_93887_10157146	NC_021164.1	Ca_kabuli_chr05	10157146	AA	GG	1940330431
SNP_P1_93888_10157164	NC_021164.1	Ca_kabuli_chr05	10157164	CC	AA	1940330433
SNP_P1_93890_10160149	NC_021164.1	Ca_kabuli_chr05	10160149	GG	AA	1940330435
SNP_P1_93891_10160161	NC_021164.1	Ca_kabuli_chr05	10160161	TT	CC	1940330436
SNP_P1_93892_10160362	NC_021164.1	Ca_kabuli_chr05	10160362	TT	CC	1940330438
SNP_P1_93893_10160440	NC_021164.1	Ca_kabuli_chr05	10160440	TT	AA	1940330440
SNP_P1_93895_10161068	NC_021164.1	Ca_kabuli_chr05	10161068	GG	AA	1940330441
SNP_P1_93897_10161743	NC_021164.1	Ca_kabuli_chr05	10161743	GG	AA	1940330443
SNP_P1_93898_10161960	NC_021164.1	Ca_kabuli_chr05	10161960	CC	GG	1940330445
SNP_P1_93899_10161989	NC_021164.1	Ca_kabuli_chr05	10161989	AA	TT	1940330447
SNP_P1_93900_10162003	NC_021164.1	Ca_kabuli_chr05	10162003	TT	AA	1940330448
SNP_P1_93901_10163655	NC_021164.1	Ca_kabuli_chr05	10163655	CC	TT	1940330450
SNP_P1_93902_10164443	NC_021164.1	Ca_kabuli_chr05	10164443	CC	TT	1940330452
SNP_P1_93904_10165008	NC_021164.1	Ca_kabuli_chr05	10165008	AA	GG	1940330453
SNP_P1_93905_10165087	NC_021164.1	Ca_kabuli_chr05	10165087	GG	AA	1940330455
SNP_P1_93907_10165801	NC_021164.1	Ca_kabuli_chr05	10165801	TT	CC	1940330457
SNP_P1_93909_10166022	NC_021164.1	Ca_kabuli_chr05	10166022	TT	CC	1940330459
SNP_P1_93910_10166738	NC_021164.1	Ca_kabuli_chr05	10166738	TT	CC	1940330460
SNP_P1_93911_10169526	NC_021164.1	Ca_kabuli_chr05	10169526	AA	GG	1940330462
SNP_P1_93912_10169807	NC_021164.1	Ca_kabuli_chr05	10169807	TT	CC	1940330464
SNP_P1_93913_10169877	NC_021164.1	Ca_kabuli_chr05	10169877	AA	CC	1940330465
SNP_P1_93914_10170069	NC_021164.1	Ca_kabuli_chr05	10170069	GG	CC	1940330467
SNP_P1_93915_10172601	NC_021164.1	Ca_kabuli_chr05	10172601	TT	CC	1940330469
SNP_P1_93916_10172784	NC_021164.1	Ca_kabuli_chr05	10172784	AA	GG	1940330470
SNP_P1_93917_10173122	NC_021164.1	Ca_kabuli_chr05	10173122	CC	TT	1940330472
SNP_P1_93919_10176771	NC_021164.1	Ca_kabuli_chr05	10176771	GG	AA	1940330474
SNP_P1_93920_10178527	NC_021164.1	Ca_kabuli_chr05	10178527	TT	GG	1940330476
SNP_P1_93921_10185158	NC_021164.1	Ca_kabuli_chr05	10185158	AA	TT	1940330477
SNP_P1_93922_10185171	NC_021164.1	Ca_kabuli_chr05	10185171	AA	TT	1940330479
SNP_P1_93923_10185172	NC_021164.1	Ca_kabuli_chr05	10185172	CC	TT	1940330481

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93925_10185718	NC_021164.1	Ca_kabuli_chr05	10185718	AA	GG	1940330484
SNP_P1_93927_10185982	NC_021164.1	Ca_kabuli_chr05	10185982	AA	TT	1940330486
SNP_P1_93929_10187624	NC_021164.1	Ca_kabuli_chr05	10187624	TT	GG	1940330488
SNP_P1_93930_10187822	NC_021164.1	Ca_kabuli_chr05	10187822	GG	CC	1940330489
SNP_P1_93931_10190046	NC_021164.1	Ca_kabuli_chr05	10190046	TT	AA	1940330491
SNP_P1_93932_10190153	NC_021164.1	Ca_kabuli_chr05	10190153	TT	AA	1940330493
SNP_P1_93933_10190204	NC_021164.1	Ca_kabuli_chr05	10190204	GG	AA	1940330494
SNP_P1_93935_10191284	NC_021164.1	Ca_kabuli_chr05	10191284	CC	TT	1940330496
SNP_P1_93937_10191993	NC_021164.1	Ca_kabuli_chr05	10191993	TT	GG	1940330498
SNP_P1_93938_10191995	NC_021164.1	Ca_kabuli_chr05	10191995	CC	TT	1940330499
SNP_P1_93939_10192014	NC_021164.1	Ca_kabuli_chr05	10192014	TT	GG	1940330501
SNP_P1_93940_10192205	NC_021164.1	Ca_kabuli_chr05	10192205	CC	TT	1940330503
SNP_P1_93941_10192210	NC_021164.1	Ca_kabuli_chr05	10192210	GG	AA	1940330505
SNP_P1_93942_10192215	NC_021164.1	Ca_kabuli_chr05	10192215	CC	TT	1940330506
SNP_P1_93943_10192234	NC_021164.1	Ca_kabuli_chr05	10192234	AA	GG	1940330508
SNP_P1_93944_10192556	NC_021164.1	Ca_kabuli_chr05	10192556	AA	GG	1940330510
SNP_P1_93945_10192560	NC_021164.1	Ca_kabuli_chr05	10192560	AA	GG	1940330511
SNP_P1_93946_10192582	NC_021164.1	Ca_kabuli_chr05	10192582	TT	GG	1940330513
SNP_P1_93947_10192924	NC_021164.1	Ca_kabuli_chr05	10192924	AA	TT	1940330515
SNP_P1_93948_10194354	NC_021164.1	Ca_kabuli_chr05	10194354	TT	CC	1940330516
SNP_P1_93949_10194749	NC_021164.1	Ca_kabuli_chr05	10194749	GG	AA	1940330518
SNP_P1_93950_10195089	NC_021164.1	Ca_kabuli_chr05	10195089	GG	TT	1940330520
SNP_P1_93951_10195717	NC_021164.1	Ca_kabuli_chr05	10195717	AA	GG	1940330522
SNP_P1_93953_10223096	NC_021164.1	Ca_kabuli_chr05	10223096	AA	GG	1940330523
SNP_P1_93955_10223676	NC_021164.1	Ca_kabuli_chr05	10223676	AA	CC	1940330525
SNP_P1_93956_10223748	NC_021164.1	Ca_kabuli_chr05	10223748	TT	AA	1940330527
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SNP_P1_93958_10223810	NC_021164.1	Ca_kabuli_chr05	10223810	TT	GG	1940330530
SNP_P1_93959_10223826	NC_021164.1	Ca_kabuli_chr05	10223826	CC	TT	1940330532
SNP_P1_93960_10224040	NC_021164.1	Ca_kabuli_chr05	10224040	GG	AA	1940330534
SNP_P1_93963_10224595	NC_021164.1	Ca_kabuli_chr05	10224595	CC	TT	1940330535
SNP_P1_93964_10224794	NC_021164.1	Ca_kabuli_chr05	10224794	AA	GG	1940330537
SNP_P1_93965_10224824	NC_021164.1	Ca_kabuli_chr05	10224824	TT	AA	1940330539
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SNP_P1_93967_10225308	NC_021164.1	Ca_kabuli_chr05	10225308	CC	TT	1940330542
SNP_P1_93968_10225510	NC_021164.1	Ca_kabuli_chr05	10225510	TT	AA	1940330544
SNP_P1_93969_10225847	NC_021164.1	Ca_kabuli_chr05	10225847	GG	CC	1940330545
SNP_P1_93970_10226020	NC_021164.1	Ca_kabuli_chr05	10226020	GG	CC	1940330547
SNP_P1_93971_10226973	NC_021164.1	Ca_kabuli_chr05	10226973	CC	AA	1940330549
SNP_P1_93972_10227162	NC_021164.1	Ca_kabuli_chr05	10227162	AA	GG	1940330551
SNP_P1_93973_10228337	NC_021164.1	Ca_kabuli_chr05	10228337	CC	TT	1940330552

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_93976_10231018	NC_021164.1	Ca_kabuli_chr05	10231018	GG	AA	1940330558
SNP_P1_93977_10231027	NC_021164.1	Ca_kabuli_chr05	10231027	CC	AA	1940330559
SNP_P1_93980_10234755	NC_021164.1	Ca_kabuli_chr05	10234755	TT	GG	1940330561
SNP_P1_93981_10234768	NC_021164.1	Ca_kabuli_chr05	10234768	CC	TT	1940330563
SNP_P1_93982_10234793	NC_021164.1	Ca_kabuli_chr05	10234793	CC	TT	1940330564
SNP_P1_93983_10234886	NC_021164.1	Ca_kabuli_chr05	10234886	GG	AA	1940330566
SNP_P1_93984_10235143	NC_021164.1	Ca_kabuli_chr05	10235143	GG	TT	1940330568
SNP_P1_93985_10244571	NC_021164.1	Ca_kabuli_chr05	10244571	AA	CC	1940330569
SNP_P1_93986_10250551	NC_021164.1	Ca_kabuli_chr05	10250551	CC	AA	1940330571
SNP_P1_93987_10250593	NC_021164.1	Ca_kabuli_chr05	10250593	TT	GG	1940330573
SNP_P1_93989_10250620	NC_021164.1	Ca_kabuli_chr05	10250620	GG	CC	1940330575
SNP_P1_93991_10251112	NC_021164.1	Ca_kabuli_chr05	10251112	CC	TT	1940330576
SNP_P1_93992_10251113	NC_021164.1	Ca_kabuli_chr05	10251113	AA	TT	1940330578
SNP_P1_93994_10251463	NC_021164.1	Ca_kabuli_chr05	10251463	AA	CC	1940330580
SNP_P1_93997_10265695	NC_021164.1	Ca_kabuli_chr05	10265695	AA	GG	1940330581
SNP_P1_93998_10265761	NC_021164.1	Ca_kabuli_chr05	10265761	CC	TT	1940330583
SNP_P1_93999_10265801	NC_021164.1	Ca_kabuli_chr05	10265801	GG	AA	1940330585
SNP_P1_94000_10265858	NC_021164.1	Ca_kabuli_chr05	10265858	AA	GG	1940330587
SNP_P1_94001_10265859	NC_021164.1	Ca_kabuli_chr05	10265859	TT	CC	1940330588
SNP_P1_94002_10265964	NC_021164.1	Ca_kabuli_chr05	10265964	AA	CC	1940330590
SNP_P1_94004_10266085	NC_021164.1	Ca_kabuli_chr05	10266085	CC	TT	1940330592
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SNP_P1_94006_10266599	NC_021164.1	Ca_kabuli_chr05	10266599	CC	GG	1940330595
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SNP_P1_94009_10267599	NC_021164.1	Ca_kabuli_chr05	10267599	CC	TT	1940330600
SNP_P1_94010_10267750	NC_021164.1	Ca_kabuli_chr05	10267750	TT	CC	1940330602
SNP_P1_94011_10267766	NC_021164.1	Ca_kabuli_chr05	10267766	AA	GG	1940330604
SNP_P1_94012_10267827	NC_021164.1	Ca_kabuli_chr05	10267827	GG	AA	1940330605
SNP_P1_94013_10268435	NC_021164.1	Ca_kabuli_chr05	10268435	AA	GG	1940330607
SNP_P1_94014_10268649	NC_021164.1	Ca_kabuli_chr05	10268649	GG	AA	1940330609
SNP_P1_94015_10268651	NC_021164.1	Ca_kabuli_chr05	10268651	TT	CC	1940330610
SNP_P1_94016_10268661	NC_021164.1	Ca_kabuli_chr05	10268661	AA	GG	1940330612
SNP_P1_94017_10268690	NC_021164.1	Ca_kabuli_chr05	10268690	GG	AA	1940330614
SNP_P1_94018_10269193	NC_021164.1	Ca_kabuli_chr05	10269193	AA	TT	1940330616
SNP_P1_94019_10269217	NC_021164.1	Ca_kabuli_chr05	10269217	TT	AA	1940330617
SNP_P1_94021_10270192	NC_021164.1	Ca_kabuli_chr05	10270192	GG	AA	1940330619
SNP_P1_94023_10270829	NC_021164.1	Ca_kabuli_chr05	10270829	AA	GG	1940330621
SNP_P1_94024_10270838	NC_021164.1	Ca_kabuli_chr05	10270838	TT	GG	1940330622
SNP_P1_94026_10271230	NC_021164.1	Ca_kabuli_chr05	10271230	AA	TT	1940330624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94029_10272221	NC_021164.1	Ca_kabuli_chr05	10272221	TT	GG	1940330628
SNP_P1_94030_10275000	NC_021164.1	Ca_kabuli_chr05	10275000	CC	TT	1940330629
SNP_P1_94032_10275985	NC_021164.1	Ca_kabuli_chr05	10275985	TT	GG	1940330631
SNP_P1_94033_10275986	NC_021164.1	Ca_kabuli_chr05	10275986	CC	TT	1940330633
SNP_P1_94034_10275987	NC_021164.1	Ca_kabuli_chr05	10275987	TT	AA	1940330634
SNP_P1_94037_10276701	NC_021164.1	Ca_kabuli_chr05	10276701	AA	CC	1940330636
SNP_P1_94038_10277008	NC_021164.1	Ca_kabuli_chr05	10277008	CC	AA	1940330638
SNP_P1_94039_10278644	NC_021164.1	Ca_kabuli_chr05	10278644	TT	GG	1940330639
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SNP_P1_94042_10279867	NC_021164.1	Ca_kabuli_chr05	10279867	AA	GG	1940330643
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SNP_P1_94044_10280443	NC_021164.1	Ca_kabuli_chr05	10280443	CC	AA	1940330646
SNP_P1_94046_10282012	NC_021164.1	Ca_kabuli_chr05	10282012	TT	AA	1940330648
SNP_P1_94047_10282851	NC_021164.1	Ca_kabuli_chr05	10282851	GG	TT	1940330650
SNP_P1_94048_10283179	NC_021164.1	Ca_kabuli_chr05	10283179	GG	AA	1940330651
SNP_P1_94049_10283863	NC_021164.1	Ca_kabuli_chr05	10283863	AA	GG	1940330653
SNP_P1_94050_10284583	NC_021164.1	Ca_kabuli_chr05	10284583	CC	TT	1940330655
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SNP_P1_94054_10287069	NC_021164.1	Ca_kabuli_chr05	10287069	TT	CC	1940330662
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SNP_P1_94061_10291648	NC_021164.1	Ca_kabuli_chr05	10291648	TT	AA	1940330672
SNP_P1_94062_10291732	NC_021164.1	Ca_kabuli_chr05	10291732	AA	GG	1940330674
SNP_P1_94063_10293128	NC_021164.1	Ca_kabuli_chr05	10293128	CC	TT	1940330675
SNP_P1_94064_10297544	NC_021164.1	Ca_kabuli_chr05	10297544	TT	GG	1940330677
SNP_P1_94066_10300123	NC_021164.1	Ca_kabuli_chr05	10300123	AA	GG	1940330679
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SNP_P1_94071_10300332	NC_021164.1	Ca_kabuli_chr05	10300332	CC	TT	1940330684
SNP_P1_94072_10300702	NC_021164.1	Ca_kabuli_chr05	10300702	CC	AA	1940330685
SNP_P1_94073_10300829	NC_021164.1	Ca_kabuli_chr05	10300829	CC	TT	1940330687
SNP_P1_94074_10300842	NC_021164.1	Ca_kabuli_chr05	10300842	AA	GG	1940330689
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SNP_P1_94076_10300865	NC_021164.1	Ca_kabuli_chr05	10300865	AA	GG	1940330692
SNP_P1_94077_10302915	NC_021164.1	Ca_kabuli_chr05	10302915	GG	AA	1940330694
SNP_P1_94078_10303424	NC_021164.1	Ca_kabuli_chr05	10303424	TT	AA	1940330696

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94081_10310942	NC_021164.1	Ca_kabuli_chr05	10310942	AA	CC	1940330701
SNP_P1_94082_10310948	NC_021164.1	Ca_kabuli_chr05	10310948	AA	GG	1940330703
SNP_P1_94083_10310955	NC_021164.1	Ca_kabuli_chr05	10310955	CC	TT	1940330704
SNP_P1_94084_10310967	NC_021164.1	Ca_kabuli_chr05	10310967	CC	TT	1940330706
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SNP_P1_94096_10317437	NC_021164.1	Ca_kabuli_chr05	10317437	GG	AA	1940330725
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SNP_P1_94100_10318309	NC_021164.1	Ca_kabuli_chr05	10318309	GG	AA	1940330732
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SNP_P1_94102_10318316	NC_021164.1	Ca_kabuli_chr05	10318316	CC	TT	1940330735
SNP_P1_94103_10318343	NC_021164.1	Ca_kabuli_chr05	10318343	TT	CC	1940330737
SNP_P1_94104_10318348	NC_021164.1	Ca_kabuli_chr05	10318348	GG	AA	1940330738
SNP_P1_94105_10318349	NC_021164.1	Ca_kabuli_chr05	10318349	AA	GG	1940330740
SNP_P1_94106_10318372	NC_021164.1	Ca_kabuli_chr05	10318372	AA	GG	1940330742
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SNP_P1_94111_10331771	NC_021164.1	Ca_kabuli_chr05	10331771	AA	GG	1940330749
SNP_P1_94112_10331776	NC_021164.1	Ca_kabuli_chr05	10331776	TT	AA	1940330750
SNP_P1_94114_10331931	NC_021164.1	Ca_kabuli_chr05	10331931	TT	CC	1940330752
SNP_P1_94115_10332054	NC_021164.1	Ca_kabuli_chr05	10332054	AA	GG	1940330754
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SNP_P1_94117_10334801	NC_021164.1	Ca_kabuli_chr05	10334801	AA	GG	1940330757
SNP_P1_94118_10334823	NC_021164.1	Ca_kabuli_chr05	10334823	AA	GG	1940330759
SNP_P1_94119_10335049	NC_021164.1	Ca_kabuli_chr05	10335049	AA	GG	1940330761
SNP_P1_94121_10338507	NC_021164.1	Ca_kabuli_chr05	10338507	CC	TT	1940330762
SNP_P1_94122_10340731	NC_021164.1	Ca_kabuli_chr05	10340731	TT	CC	1940330764
SNP_P1_94123_10340747	NC_021164.1	Ca_kabuli_chr05	10340747	TT	GG	1940330766
SNP_P1_94124_10340788	NC_021164.1	Ca_kabuli_chr05	10340788	GG	TT	1940330767

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_94125_10340847	NC_021164.1	Ca_kabuli_chr05	10340847	TT	CC	1940330769
SNP_P1_94126_10340971	NC_021164.1	Ca_kabuli_chr05	10340971	GG	AA	1940330771
SNP_P1_94127_10341212	NC_021164.1	Ca_kabuli_chr05	10341212	AA	GG	1940330773
SNP_P1_94128_10341293	NC_021164.1	Ca_kabuli_chr05	10341293	TT	AA	1940330774
SNP_P1_94129_10341308	NC_021164.1	Ca_kabuli_chr05	10341308	CC	TT	1940330776
SNP_P1_94130_10341325	NC_021164.1	Ca_kabuli_chr05	10341325	CC	TT	1940330778
SNP_P1_94131_10341335	NC_021164.1	Ca_kabuli_chr05	10341335	AA	GG	1940330779
SNP_P1_94132_10341369	NC_021164.1	Ca_kabuli_chr05	10341369	TT	CC	1940330781
SNP_P1_94133_10341379	NC_021164.1	Ca_kabuli_chr05	10341379	CC	TT	1940330783
SNP_P1_94134_10341384	NC_021164.1	Ca_kabuli_chr05	10341384	TT	CC	1940330785
SNP_P1_94135_10341414	NC_021164.1	Ca_kabuli_chr05	10341414	TT	CC	1940330786
SNP_P1_94136_10341685	NC_021164.1	Ca_kabuli_chr05	10341685	AA	GG	1940330788
SNP_P1_94137_10341693	NC_021164.1	Ca_kabuli_chr05	10341693	GG	TT	1940330790
SNP_P1_94138_10343634	NC_021164.1	Ca_kabuli_chr05	10343634	AA	GG	1940330791
SNP_P1_94139_10343780	NC_021164.1	Ca_kabuli_chr05	10343780	GG	CC	1940330793
SNP_P1_94140_10344365	NC_021164.1	Ca_kabuli_chr05	10344365	AA	CC	1940330795
SNP_P1_94141_10344464	NC_021164.1	Ca_kabuli_chr05	10344464	GG	AA	1940330796
SNP_P1_94142_10346057	NC_021164.1	Ca_kabuli_chr05	10346057	GG	AA	1940330798
SNP_P1_94143_10346093	NC_021164.1	Ca_kabuli_chr05	10346093	AA	GG	1940330800
SNP_P1_94144_10346101	NC_021164.1	Ca_kabuli_chr05	10346101	AA	TT	1940330802
SNP_P1_94145_10346111	NC_021164.1	Ca_kabuli_chr05	10346111	TT	CC	1940330803
SNP_P1_94146_10346776	NC_021164.1	Ca_kabuli_chr05	10346776	TT	CC	1940330805
SNP_P1_94148_10348320	NC_021164.1	Ca_kabuli_chr05	10348320	AA	GG	1940330807
SNP_P1_94149_10348388	NC_021164.1	Ca_kabuli_chr05	10348388	AA	GG	1940330808
SNP_P1_94150_10348765	NC_021164.1	Ca_kabuli_chr05	10348765	CC	TT	1940330810
SNP_P1_94152_10348857	NC_021164.1	Ca_kabuli_chr05	10348857	GG	AA	1940330812
SNP_P1_94153_10348867	NC_021164.1	Ca_kabuli_chr05	10348867	AA	GG	1940330814
SNP_P1_94154_10349158	NC_021164.1	Ca_kabuli_chr05	10349158	GG	CC	1940330815
SNP_P1_94155_10349164	NC_021164.1	Ca_kabuli_chr05	10349164	AA	CC	1940330817
SNP_P1_94156_10349191	NC_021164.1	Ca_kabuli_chr05	10349191	AA	GG	1940330819
SNP_P1_94157_10349604	NC_021164.1	Ca_kabuli_chr05	10349604	CC	TT	1940330820
SNP_P1_94158_10349686	NC_021164.1	Ca_kabuli_chr05	10349686	AA	TT	1940330822
SNP_P1_94159_10349694	NC_021164.1	Ca_kabuli_chr05	10349694	TT	GG	1940330824
SNP_P1_94160_10351525	NC_021164.1	Ca_kabuli_chr05	10351525	GG	AA	1940330825
SNP_P1_94161_10351537	NC_021164.1	Ca_kabuli_chr05	10351537	TT	CC	1940330827
SNP_P1_94162_10351766	NC_021164.1	Ca_kabuli_chr05	10351766	GG	AA	1940330829
SNP_P1_94163_10362599	NC_021164.1	Ca_kabuli_chr05	10362599	CC	TT	1940330831
SNP_P1_94164_10362617	NC_021164.1	Ca_kabuli_chr05	10362617	GG	AA	1940330832
SNP_P1_94165_10362637	NC_021164.1	Ca_kabuli_chr05	10362637	AA	GG	1940330834
SNP_P1_94166_10362889	NC_021164.1	Ca_kabuli_chr05	10362889	TT	CC	1940330836
SNP_P1_94167_10363219	NC_021164.1	Ca_kabuli_chr05	10363219	GG	AA	1940330837
SNP_P1_94168_10363318	NC_021164.1	Ca_kabuli_chr05	10363318	CC	TT	1940330839

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_94169_10363335	NC_021164.1	Ca_kabuli_chr05	10363335	TT	CC	1940330841
SNP_P1_94170_10363412	NC_021164.1	Ca_kabuli_chr05	10363412	CC	TT	1940330843
SNP_P1_94171_10363449	NC_021164.1	Ca_kabuli_chr05	10363449	AA	GG	1940330844
SNP_P1_94173_10363652	NC_021164.1	Ca_kabuli_chr05	10363652	GG	CC	1940330846
SNP_P1_94174_10363759	NC_021164.1	Ca_kabuli_chr05	10363759	GG	CC	1940330848
SNP_P1_94176_10366741	NC_021164.1	Ca_kabuli_chr05	10366741	AA	GG	1940330849
SNP_P1_94177_10366875	NC_021164.1	Ca_kabuli_chr05	10366875	AA	GG	1940330851
SNP_P1_94178_10369419	NC_021164.1	Ca_kabuli_chr05	10369419	CC	TT	1940330853
SNP_P1_94179_10369679	NC_021164.1	Ca_kabuli_chr05	10369679	CC	TT	1940330854
SNP_P1_94180_10369807	NC_021164.1	Ca_kabuli_chr05	10369807	GG	CC	1940330856
SNP_P1_94181_10370404	NC_021164.1	Ca_kabuli_chr05	10370404	TT	AA	1940330858
SNP_P1_94182_10370575	NC_021164.1	Ca_kabuli_chr05	10370575	AA	GG	1940330860
SNP_P1_94183_10370636	NC_021164.1	Ca_kabuli_chr05	10370636	AA	TT	1940330861
SNP_P1_94186_10370771	NC_021164.1	Ca_kabuli_chr05	10370771	GG	AA	1940330863
SNP_P1_94188_10370885	NC_021164.1	Ca_kabuli_chr05	10370885	CC	TT	1940330865
SNP_P1_94189_10371863	NC_021164.1	Ca_kabuli_chr05	10371863	CC	TT	1940330866
SNP_P1_94191_10372251	NC_021164.1	Ca_kabuli_chr05	10372251	AA	GG	1940330868
SNP_P1_94192_10372276	NC_021164.1	Ca_kabuli_chr05	10372276	GG	AA	1940330870
SNP_P1_94193_10372307	NC_021164.1	Ca_kabuli_chr05	10372307	GG	AA	1940330872
SNP_P1_94194_10373571	NC_021164.1	Ca_kabuli_chr05	10373571	CC	AA	1940330873
SNP_P1_94195_10374034	NC_021164.1	Ca_kabuli_chr05	10374034	TT	CC	1940330875
SNP_P1_94196_10374404	NC_021164.1	Ca_kabuli_chr05	10374404	CC	TT	1940330877
SNP_P1_94197_10374663	NC_021164.1	Ca_kabuli_chr05	10374663	CC	TT	1940330878
SNP_P1_94198_10376091	NC_021164.1	Ca_kabuli_chr05	10376091	AA	CC	1940330880
SNP_P1_94199_10376102	NC_021164.1	Ca_kabuli_chr05	10376102	CC	TT	1940330882
SNP_P1_94201_10376341	NC_021164.1	Ca_kabuli_chr05	10376341	TT	CC	1940330883
SNP_P1_94202_10376353	NC_021164.1	Ca_kabuli_chr05	10376353	CC	TT	1940330885
SNP_P1_94203_10376428	NC_021164.1	Ca_kabuli_chr05	10376428	AA	GG	1940330887
SNP_P1_94204_10376966	NC_021164.1	Ca_kabuli_chr05	10376966	AA	GG	1940330889
SNP_P1_94205_10379347	NC_021164.1	Ca_kabuli_chr05	10379347	GG	AA	1940330890
SNP_P1_94206_10379361	NC_021164.1	Ca_kabuli_chr05	10379361	CC	TT	1940330892
SNP_P1_94207_10379476	NC_021164.1	Ca_kabuli_chr05	10379476	GG	CC	1940330894
SNP_P1_94208_10379479	NC_021164.1	Ca_kabuli_chr05	10379479	CC	TT	1940330895
SNP_P1_94209_10379485	NC_021164.1	Ca_kabuli_chr05	10379485	CC	TT	1940330897
SNP_P1_94210_10381744	NC_021164.1	Ca_kabuli_chr05	10381744	AA	GG	1940330899
SNP_P1_94211_10381855	NC_021164.1	Ca_kabuli_chr05	10381855	GG	TT	1940330901
SNP_P1_94212_10382232	NC_021164.1	Ca_kabuli_chr05	10382232	AA	GG	1940330902
SNP_P1_94213_10382625	NC_021164.1	Ca_kabuli_chr05	10382625	GG	AA	1940330904
SNP_P1_94214_10382665	NC_021164.1	Ca_kabuli_chr05	10382665	GG	AA	1940330906
SNP_P1_94215_10382815	NC_021164.1	Ca_kabuli_chr05	10382815	GG	AA	1940330907
SNP_P1_94216_10382843	NC_021164.1	Ca_kabuli_chr05	10382843	GG	CC	1940330909
SNP_P1_94217_10382871	NC_021164.1	Ca_kabuli_chr05	10382871	AA	GG	1940330911

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_94218_10383116	NC_021164.1	Ca_kabuli_chr05	10383116	CC	TT	1940330912
SNP_P1_94219_10383226	NC_021164.1	Ca_kabuli_chr05	10383226	GG	AA	1940330914
SNP_P1_94220_10383276	NC_021164.1	Ca_kabuli_chr05	10383276	TT	GG	1940330916
SNP_P1_94221_10383353	NC_021164.1	Ca_kabuli_chr05	10383353	GG	AA	1940330918
SNP_P1_94222_10383579	NC_021164.1	Ca_kabuli_chr05	10383579	AA	GG	1940330919
SNP_P1_94223_10384742	NC_021164.1	Ca_kabuli_chr05	10384742	CC	TT	1940330921
SNP_P1_94224_10385093	NC_021164.1	Ca_kabuli_chr05	10385093	CC	TT	1940330923
SNP_P1_94225_10387086	NC_021164.1	Ca_kabuli_chr05	10387086	TT	AA	1940330924
SNP_P1_94226_10387700	NC_021164.1	Ca_kabuli_chr05	10387700	AA	TT	1940330926
SNP_P1_94227_10388079	NC_021164.1	Ca_kabuli_chr05	10388079	TT	AA	1940330928
SNP_P1_94229_10388598	NC_021164.1	Ca_kabuli_chr05	10388598	TT	CC	1940330930
SNP_P1_94232_10389798	NC_021164.1	Ca_kabuli_chr05	10389798	GG	AA	1940330931
SNP_P1_94233_10389866	NC_021164.1	Ca_kabuli_chr05	10389866	CC	TT	1940330933
SNP_P1_94234_10389917	NC_021164.1	Ca_kabuli_chr05	10389917	TT	CC	1940330935
SNP_P1_94236_10392964	NC_021164.1	Ca_kabuli_chr05	10392964	TT	AA	1940330936
SNP_P1_94237_10392989	NC_021164.1	Ca_kabuli_chr05	10392989	GG	AA	1940330938
SNP_P1_94238_10393307	NC_021164.1	Ca_kabuli_chr05	10393307	TT	CC	1940330940
SNP_P1_94239_10394194	NC_021164.1	Ca_kabuli_chr05	10394194	TT	GG	1940330941
SNP_P1_94240_10394241	NC_021164.1	Ca_kabuli_chr05	10394241	AA	TT	1940330943
SNP_P1_94241_10394249	NC_021164.1	Ca_kabuli_chr05	10394249	TT	CC	1940330945
SNP_P1_94242_10394325	NC_021164.1	Ca_kabuli_chr05	10394325	TT	CC	1940330947
SNP_P1_94243_10394435	NC_021164.1	Ca_kabuli_chr05	10394435	TT	CC	1940330948
SNP_P1_94245_10394801	NC_021164.1	Ca_kabuli_chr05	10394801	TT	CC	1940330950
SNP_P1_94246_10394809	NC_021164.1	Ca_kabuli_chr05	10394809	GG	TT	1940330952
SNP_P1_94247_10394812	NC_021164.1	Ca_kabuli_chr05	10394812	TT	GG	1940330953
SNP_P1_94248_10394973	NC_021164.1	Ca_kabuli_chr05	10394973	TT	CC	1940330955
SNP_P1_94249_10396651	NC_021164.1	Ca_kabuli_chr05	10396651	GG	AA	1940330957
SNP_P1_94250_10396652	NC_021164.1	Ca_kabuli_chr05	10396652	AA	GG	1940330959
SNP_P1_94252_10397782	NC_021164.1	Ca_kabuli_chr05	10397782	CC	TT	1940330960
SNP_P1_94254_10399682	NC_021164.1	Ca_kabuli_chr05	10399682	TT	CC	1940330962
SNP_P1_94255_10400365	NC_021164.1	Ca_kabuli_chr05	10400365	CC	AA	1940330964
SNP_P1_94256_10400887	NC_021164.1	Ca_kabuli_chr05	10400887	TT	CC	1940330965
SNP_P1_94257_10401969	NC_021164.1	Ca_kabuli_chr05	10401969	GG	AA	1940330967
SNP_P1_94258_10402147	NC_021164.1	Ca_kabuli_chr05	10402147	CC	TT	1940330969
SNP_P1_94259_10402348	NC_021164.1	Ca_kabuli_chr05	10402348	AA	TT	1940330970
SNP_P1_94260_10402430	NC_021164.1	Ca_kabuli_chr05	10402430	TT	GG	1940330972
SNP_P1_94261_10403150	NC_021164.1	Ca_kabuli_chr05	10403150	CC	TT	1940330974
SNP_P1_94262_10403518	NC_021164.1	Ca_kabuli_chr05	10403518	GG	AA	1940330976
SNP_P1_94264_10404438	NC_021164.1	Ca_kabuli_chr05	10404438	CC	TT	1940330977
SNP_P1_94265_10405032	NC_021164.1	Ca_kabuli_chr05	10405032	CC	AA	1940330979
SNP_P1_94266_10405040	NC_021164.1	Ca_kabuli_chr05	10405040	AA	GG	1940330981
SNP_P1_94267_10406613	NC_021164.1	Ca_kabuli_chr05	10406613	CC	TT	1940330982

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94270_10410600	NC_021164.1	Ca_kabuli_chr05	10410600	CC	AA	1940330986
SNP_P1_94271_10410601	NC_021164.1	Ca_kabuli_chr05	10410601	TT	AA	1940330988
SNP_P1_94272_10410669	NC_021164.1	Ca_kabuli_chr05	10410669	GG	AA	1940330989
SNP_P1_94273_10410674	NC_021164.1	Ca_kabuli_chr05	10410674	TT	CC	1940330991
SNP_P1_94274_10410778	NC_021164.1	Ca_kabuli_chr05	10410778	TT	AA	1940330993
SNP_P1_94275_10411308	NC_021164.1	Ca_kabuli_chr05	10411308	AA	GG	1940330994
SNP_P1_94276_10413739	NC_021164.1	Ca_kabuli_chr05	10413739	AA	GG	1940330996
SNP_P1_94278_10413954	NC_021164.1	Ca_kabuli_chr05	10413954	AA	GG	1940330998
SNP_P1_94280_10414078	NC_021164.1	Ca_kabuli_chr05	10414078	CC	TT	1940330999
SNP_P1_94281_10414094	NC_021164.1	Ca_kabuli_chr05	10414094	AA	TT	1940331001
SNP_P1_94282_10414113	NC_021164.1	Ca_kabuli_chr05	10414113	AA	TT	1940331003
SNP_P1_94283_10414125	NC_021164.1	Ca_kabuli_chr05	10414125	AA	TT	1940331005
SNP_P1_94284_10414173	NC_021164.1	Ca_kabuli_chr05	10414173	CC	AA	1940331006
SNP_P1_94285_10414311	NC_021164.1	Ca_kabuli_chr05	10414311	AA	GG	1940331008
SNP_P1_94287_10414513	NC_021164.1	Ca_kabuli_chr05	10414513	TT	CC	1940331010
SNP_P1_94288_10414570	NC_021164.1	Ca_kabuli_chr05	10414570	TT	AA	1940331011
SNP_P1_94290_10415974	NC_021164.1	Ca_kabuli_chr05	10415974	GG	AA	1940331013
SNP_P1_94291_10415983	NC_021164.1	Ca_kabuli_chr05	10415983	AA	GG	1940331015
SNP_P1_94292_10415985	NC_021164.1	Ca_kabuli_chr05	10415985	CC	GG	1940331016
SNP_P1_94293_10416001	NC_021164.1	Ca_kabuli_chr05	10416001	TT	AA	1940331018
SNP_P1_94294_10416004	NC_021164.1	Ca_kabuli_chr05	10416004	AA	GG	1940331020
SNP_P1_94295_10416026	NC_021164.1	Ca_kabuli_chr05	10416026	AA	GG	1940331022
SNP_P1_94296_10416959	NC_021164.1	Ca_kabuli_chr05	10416959	TT	CC	1940331023
SNP_P1_94297_10417529	NC_021164.1	Ca_kabuli_chr05	10417529	AA	GG	1940331025
SNP_P1_94299_10419055	NC_021164.1	Ca_kabuli_chr05	10419055	CC	TT	1940331027
SNP_P1_94300_10420496	NC_021164.1	Ca_kabuli_chr05	10420496	AA	GG	1940331028
SNP_P1_94302_10423615	NC_021164.1	Ca_kabuli_chr05	10423615	AA	GG	1940331030
SNP_P1_94303_10433844	NC_021164.1	Ca_kabuli_chr05	10433844	GG	AA	1940331032
SNP_P1_94304_10433871	NC_021164.1	Ca_kabuli_chr05	10433871	CC	TT	1940331034
SNP_P1_94305_10433945	NC_021164.1	Ca_kabuli_chr05	10433945	CC	AA	1940331035
SNP_P1_94306_10433946	NC_021164.1	Ca_kabuli_chr05	10433946	CC	TT	1940331037
SNP_P1_94307_10434040	NC_021164.1	Ca_kabuli_chr05	10434040	AA	GG	1940331039
SNP_P1_94308_10434459	NC_021164.1	Ca_kabuli_chr05	10434459	AA	GG	1940331040
SNP_P1_94309_10435828	NC_021164.1	Ca_kabuli_chr05	10435828	GG	TT	1940331042
SNP_P1_94310_10437120	NC_021164.1	Ca_kabuli_chr05	10437120	GG	AA	1940331044
SNP_P1_94311_10440020	NC_021164.1	Ca_kabuli_chr05	10440020	AA	TT	1940331045
SNP_P1_94312_10440021	NC_021164.1	Ca_kabuli_chr05	10440021	TT	GG	1940331047
SNP_P1_94313_10440331	NC_021164.1	Ca_kabuli_chr05	10440331	CC	TT	1940331049
SNP_P1_94314_10440381	NC_021164.1	Ca_kabuli_chr05	10440381	GG	AA	1940331051
SNP_P1_94315_10440584	NC_021164.1	Ca_kabuli_chr05	10440584	TT	GG	1940331052
SNP_P1_94316_10440916	NC_021164.1	Ca_kabuli_chr05	10440916	TT	AA	1940331054

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94318_10442140	NC_021164.1	Ca_kabuli_chr05	10442140	CC	TT	1940331057
SNP_P1_94319_10442379	NC_021164.1	Ca_kabuli_chr05	10442379	AA	GG	1940331059
SNP_P1_94320_10443692	NC_021164.1	Ca_kabuli_chr05	10443692	CC	TT	1940331061
SNP_P1_94321_10443758	NC_021164.1	Ca_kabuli_chr05	10443758	CC	GG	1940331063
SNP_P1_94322_10444061	NC_021164.1	Ca_kabuli_chr05	10444061	GG	AA	1940331064
SNP_P1_94323_10446169	NC_021164.1	Ca_kabuli_chr05	10446169	TT	CC	1940331066
SNP_P1_94324_10446189	NC_021164.1	Ca_kabuli_chr05	10446189	TT	CC	1940331068
SNP_P1_94325_10447220	NC_021164.1	Ca_kabuli_chr05	10447220	TT	AA	1940331069
SNP_P1_94326_10447263	NC_021164.1	Ca_kabuli_chr05	10447263	GG	AA	1940331071
SNP_P1_94327_10447342	NC_021164.1	Ca_kabuli_chr05	10447342	TT	CC	1940331073
SNP_P1_94328_10447817	NC_021164.1	Ca_kabuli_chr05	10447817	GG	AA	1940331075
SNP_P1_94329_10448406	NC_021164.1	Ca_kabuli_chr05	10448406	TT	GG	1940331076
SNP_P1_94330_10448454	NC_021164.1	Ca_kabuli_chr05	10448454	AA	GG	1940331078
SNP_P1_94331_10449310	NC_021164.1	Ca_kabuli_chr05	10449310	CC	TT	1940331080
SNP_P1_94332_10449851	NC_021164.1	Ca_kabuli_chr05	10449851	GG	TT	1940331081
SNP_P1_94333_10449852	NC_021164.1	Ca_kabuli_chr05	10449852	TT	GG	1940331083
SNP_P1_94334_10449989	NC_021164.1	Ca_kabuli_chr05	10449989	GG	TT	1940331085
SNP_P1_94335_10450651	NC_021164.1	Ca_kabuli_chr05	10450651	AA	GG	1940331086
SNP_P1_94336_10450730	NC_021164.1	Ca_kabuli_chr05	10450730	CC	TT	1940331088
SNP_P1_94337_10452522	NC_021164.1	Ca_kabuli_chr05	10452522	TT	AA	1940331090
SNP_P1_94338_10452532	NC_021164.1	Ca_kabuli_chr05	10452532	TT	AA	1940331092
SNP_P1_94339_10452721	NC_021164.1	Ca_kabuli_chr05	10452721	GG	AA	1940331093
SNP_P1_94340_10453513	NC_021164.1	Ca_kabuli_chr05	10453513	GG	AA	1940331095
SNP_P1_94341_10453563	NC_021164.1	Ca_kabuli_chr05	10453563	GG	CC	1940331097
SNP_P1_94344_10457717	NC_021164.1	Ca_kabuli_chr05	10457717	AA	GG	1940331098
SNP_P1_94346_10457964	NC_021164.1	Ca_kabuli_chr05	10457964	TT	AA	1940331100
SNP_P1_94347_10458646	NC_021164.1	Ca_kabuli_chr05	10458646	GG	AA	1940331102
SNP_P1_94348_10458666	NC_021164.1	Ca_kabuli_chr05	10458666	AA	GG	1940331104
SNP_P1_94349_10470403	NC_021164.1	Ca_kabuli_chr05	10470403	GG	TT	1940331105
SNP_P1_94350_10470598	NC_021164.1	Ca_kabuli_chr05	10470598	GG	TT	1940331107
SNP_P1_94351_10470703	NC_021164.1	Ca_kabuli_chr05	10470703	CC	AA	1940331109
SNP_P1_94352_10470968	NC_021164.1	Ca_kabuli_chr05	10470968	CC	TT	1940331110
SNP_P1_94353_10470992	NC_021164.1	Ca_kabuli_chr05	10470992	CC	TT	1940331112
SNP_P1_94354_10471253	NC_021164.1	Ca_kabuli_chr05	10471253	AA	GG	1940331114
SNP_P1_94355_10471842	NC_021164.1	Ca_kabuli_chr05	10471842	CC	GG	1940331115
SNP_P1_94357_10472495	NC_021164.1	Ca_kabuli_chr05	10472495	GG	CC	1940331117
SNP_P1_94358_10472545	NC_021164.1	Ca_kabuli_chr05	10472545	CC	TT	1940331119
SNP_P1_94359_10472558	NC_021164.1	Ca_kabuli_chr05	10472558	TT	AA	1940331121
SNP_P1_94360_10472800	NC_021164.1	Ca_kabuli_chr05	10472800	CC	TT	1940331122
SNP_P1_94362_10474123	NC_021164.1	Ca_kabuli_chr05	10474123	CC	TT	1940331124
SNP_P1_94363_10474125	NC_021164.1	Ca_kabuli_chr05	10474125	CC	AA	1940331126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94365_10474283	NC_021164.1	Ca_kabuli_chr05	10474283	CC	AA	1940331129
SNP_P1_94366_10474305	NC_021164.1	Ca_kabuli_chr05	10474305	GG	AA	1940331131
SNP_P1_94367_10474365	NC_021164.1	Ca_kabuli_chr05	10474365	GG	AA	1940331133
SNP_P1_94369_10474577	NC_021164.1	Ca_kabuli_chr05	10474577	CC	GG	1940331134
SNP_P1_94370_10474591	NC_021164.1	Ca_kabuli_chr05	10474591	GG	AA	1940331136
SNP_P1_94371_10474594	NC_021164.1	Ca_kabuli_chr05	10474594	CC	TT	1940331138
SNP_P1_94372_10475097	NC_021164.1	Ca_kabuli_chr05	10475097	AA	GG	1940331139
SNP_P1_94373_10475743	NC_021164.1	Ca_kabuli_chr05	10475743	AA	CC	1940331141
SNP_P1_94374_10476100	NC_021164.1	Ca_kabuli_chr05	10476100	GG	AA	1940331143
SNP_P1_94375_10476235	NC_021164.1	Ca_kabuli_chr05	10476235	GG	AA	1940331144
SNP_P1_94376_10476250	NC_021164.1	Ca_kabuli_chr05	10476250	GG	AA	1940331146
SNP_P1_94377_10476535	NC_021164.1	Ca_kabuli_chr05	10476535	TT	CC	1940331148
SNP_P1_94378_10476586	NC_021164.1	Ca_kabuli_chr05	10476586	TT	CC	1940331150
SNP_P1_94379_10476793	NC_021164.1	Ca_kabuli_chr05	10476793	CC	TT	1940331151
SNP_P1_94380_10477603	NC_021164.1	Ca_kabuli_chr05	10477603	CC	TT	1940331153
SNP_P1_94381_10477943	NC_021164.1	Ca_kabuli_chr05	10477943	TT	GG	1940331155
SNP_P1_94382_10477999	NC_021164.1	Ca_kabuli_chr05	10477999	AA	GG	1940331156
SNP_P1_94383_10478204	NC_021164.1	Ca_kabuli_chr05	10478204	AA	CC	1940331158
SNP_P1_94384_10481527	NC_021164.1	Ca_kabuli_chr05	10481527	TT	CC	1940331160
SNP_P1_94385_10485132	NC_021164.1	Ca_kabuli_chr05	10485132	TT	CC	1940331162
SNP_P1_94386_10485904	NC_021164.1	Ca_kabuli_chr05	10485904	TT	GG	1940331163
SNP_P1_94387_10485967	NC_021164.1	Ca_kabuli_chr05	10485967	GG	AA	1940331165
SNP_P1_94388_10485970	NC_021164.1	Ca_kabuli_chr05	10485970	CC	GG	1940331167
SNP_P1_94389_10485986	NC_021164.1	Ca_kabuli_chr05	10485986	AA	TT	1940331168
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SNP_P1_94391_10486226	NC_021164.1	Ca_kabuli_chr05	10486226	CC	AA	1940331172
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SNP_P1_94393_10486299	NC_021164.1	Ca_kabuli_chr05	10486299	AA	TT	1940331175
SNP_P1_94394_10486727	NC_021164.1	Ca_kabuli_chr05	10486727	GG	TT	1940331177
SNP_P1_94395_10487260	NC_021164.1	Ca_kabuli_chr05	10487260	AA	CC	1940331179
SNP_P1_94396_10487281	NC_021164.1	Ca_kabuli_chr05	10487281	GG	AA	1940331180
SNP_P1_94397_10487285	NC_021164.1	Ca_kabuli_chr05	10487285	TT	AA	1940331182
SNP_P1_94398_10487331	NC_021164.1	Ca_kabuli_chr05	10487331	AA	GG	1940331184
SNP_P1_94399_10487489	NC_021164.1	Ca_kabuli_chr05	10487489	TT	CC	1940331185
SNP_P1_94400_10488769	NC_021164.1	Ca_kabuli_chr05	10488769	TT	CC	1940331187
SNP_P1_94401_10490488	NC_021164.1	Ca_kabuli_chr05	10490488	AA	GG	1940331189
SNP_P1_94402_10490577	NC_021164.1	Ca_kabuli_chr05	10490577	GG	TT	1940331190
SNP_P1_94403_10491090	NC_021164.1	Ca_kabuli_chr05	10491090	CC	TT	1940331192
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SNP_P1_94405_10494822	NC_021164.1	Ca_kabuli_chr05	10494822	AA	CC	1940331196
SNP_P1_94406_10494834	NC_021164.1	Ca_kabuli_chr05	10494834	GG	TT	1940331197

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94408_10495099	NC_021164.1	Ca_kabuli_chr05	10495099	TT	CC	1940331201
SNP_P1_94409_10495114	NC_021164.1	Ca_kabuli_chr05	10495114	TT	CC	1940331202
SNP_P1_94410_10495419	NC_021164.1	Ca_kabuli_chr05	10495419	TT	CC	1940331204
SNP_P1_94411_10495432	NC_021164.1	Ca_kabuli_chr05	10495432	GG	AA	1940331206
SNP_P1_94413_10495851	NC_021164.1	Ca_kabuli_chr05	10495851	GG	TT	1940331208
SNP_P1_94414_10496202	NC_021164.1	Ca_kabuli_chr05	10496202	AA	GG	1940331209
SNP_P1_94416_10496904	NC_021164.1	Ca_kabuli_chr05	10496904	CC	TT	1940331211
SNP_P1_94417_10496908	NC_021164.1	Ca_kabuli_chr05	10496908	AA	GG	1940331213
SNP_P1_94418_10497209	NC_021164.1	Ca_kabuli_chr05	10497209	AA	CC	1940331214
SNP_P1_94419_10497413	NC_021164.1	Ca_kabuli_chr05	10497413	GG	AA	1940331216
SNP_P1_94420_10497421	NC_021164.1	Ca_kabuli_chr05	10497421	TT	GG	1940331218
SNP_P1_94421_10497422	NC_021164.1	Ca_kabuli_chr05	10497422	GG	AA	1940331219
SNP_P1_94422_10497443	NC_021164.1	Ca_kabuli_chr05	10497443	TT	CC	1940331221
SNP_P1_94423_10497654	NC_021164.1	Ca_kabuli_chr05	10497654	AA	GG	1940331223
SNP_P1_94424_10497840	NC_021164.1	Ca_kabuli_chr05	10497840	GG	TT	1940331225
SNP_P1_94426_10499262	NC_021164.1	Ca_kabuli_chr05	10499262	GG	AA	1940331226
SNP_P1_94427_10499444	NC_021164.1	Ca_kabuli_chr05	10499444	CC	TT	1940331228
SNP_P1_94428_10499447	NC_021164.1	Ca_kabuli_chr05	10499447	AA	GG	1940331230
SNP_P1_94429_10499759	NC_021164.1	Ca_kabuli_chr05	10499759	TT	CC	1940331231
SNP_P1_94430_10500236	NC_021164.1	Ca_kabuli_chr05	10500236	CC	TT	1940331233
SNP_P1_94431_10500418	NC_021164.1	Ca_kabuli_chr05	10500418	TT	CC	1940331235
SNP_P1_94432_10500430	NC_021164.1	Ca_kabuli_chr05	10500430	AA	GG	1940331236
SNP_P1_94433_10500694	NC_021164.1	Ca_kabuli_chr05	10500694	GG	AA	1940331238
SNP_P1_94434_10500869	NC_021164.1	Ca_kabuli_chr05	10500869	AA	GG	1940331240
SNP_P1_94435_10500916	NC_021164.1	Ca_kabuli_chr05	10500916	AA	GG	1940331242
SNP_P1_94436_10502573	NC_021164.1	Ca_kabuli_chr05	10502573	CC	AA	1940331243
SNP_P1_94437_10503519	NC_021164.1	Ca_kabuli_chr05	10503519	AA	GG	1940331245
SNP_P1_94438_10504811	NC_021164.1	Ca_kabuli_chr05	10504811	TT	AA	1940331247
SNP_P1_94439_10504817	NC_021164.1	Ca_kabuli_chr05	10504817	GG	AA	1940331248
SNP_P1_94440_10504875	NC_021164.1	Ca_kabuli_chr05	10504875	AA	GG	1940331250
SNP_P1_94441_10505718	NC_021164.1	Ca_kabuli_chr05	10505718	TT	AA	1940331252
SNP_P1_94442_10506192	NC_021164.1	Ca_kabuli_chr05	10506192	TT	AA	1940331254
SNP_P1_94443_10506350	NC_021164.1	Ca_kabuli_chr05	10506350	CC	TT	1940331255
SNP_P1_94444_10506414	NC_021164.1	Ca_kabuli_chr05	10506414	AA	GG	1940331257
SNP_P1_94445_10507008	NC_021164.1	Ca_kabuli_chr05	10507008	GG	AA	1940331259
SNP_P1_94446_10507057	NC_021164.1	Ca_kabuli_chr05	10507057	CC	AA	1940331260
SNP_P1_94447_10507236	NC_021164.1	Ca_kabuli_chr05	10507236	AA	TT	1940331262
SNP_P1_94449_10508174	NC_021164.1	Ca_kabuli_chr05	10508174	GG	AA	1940331264
SNP_P1_94451_10510378	NC_021164.1	Ca_kabuli_chr05	10510378	AA	GG	1940331265
SNP_P1_94452_10511894	NC_021164.1	Ca_kabuli_chr05	10511894	TT	GG	1940331267
SNP_P1_94453_10512097	NC_021164.1	Ca_kabuli_chr05	10512097	AA	TT	1940331269

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94455_10513081	NC_021164.1	Ca_kabuli_chr05	10513081	GG	AA	1940331272
SNP_P1_94456_10513090	NC_021164.1	Ca_kabuli_chr05	10513090	TT	CC	1940331274
SNP_P1_94459_10513982	NC_021164.1	Ca_kabuli_chr05	10513982	AA	TT	1940331276
SNP_P1_94461_10514445	NC_021164.1	Ca_kabuli_chr05	10514445	GG	AA	1940331277
SNP_P1_94462_10514821	NC_021164.1	Ca_kabuli_chr05	10514821	AA	TT	1940331279
SNP_P1_94463_10515167	NC_021164.1	Ca_kabuli_chr05	10515167	TT	GG	1940331281
SNP_P1_94464_10515171	NC_021164.1	Ca_kabuli_chr05	10515171	GG	AA	1940331282
SNP_P1_94465_10515172	NC_021164.1	Ca_kabuli_chr05	10515172	AA	GG	1940331284
SNP_P1_94466_10515183	NC_021164.1	Ca_kabuli_chr05	10515183	AA	GG	1940331286
SNP_P1_94467_10515199	NC_021164.1	Ca_kabuli_chr05	10515199	TT	CC	1940331288
SNP_P1_94469_10515519	NC_021164.1	Ca_kabuli_chr05	10515519	AA	TT	1940331289
SNP_P1_94470_10515980	NC_021164.1	Ca_kabuli_chr05	10515980	TT	GG	1940331291
SNP_P1_94472_10516316	NC_021164.1	Ca_kabuli_chr05	10516316	TT	CC	1940331293
SNP_P1_94473_10516380	NC_021164.1	Ca_kabuli_chr05	10516380	TT	GG	1940331294
SNP_P1_94474_10517129	NC_021164.1	Ca_kabuli_chr05	10517129	GG	CC	1940331296
SNP_P1_94475_10519133	NC_021164.1	Ca_kabuli_chr05	10519133	AA	TT	1940331298
SNP_P1_94476_10521475	NC_021164.1	Ca_kabuli_chr05	10521475	CC	GG	1940331300
SNP_P1_94477_10521476	NC_021164.1	Ca_kabuli_chr05	10521476	AA	CC	1940331301
SNP_P1_94478_10523477	NC_021164.1	Ca_kabuli_chr05	10523477	TT	CC	1940331303
SNP_P1_94479_10524133	NC_021164.1	Ca_kabuli_chr05	10524133	AA	TT	1940331305
SNP_P1_94480_10526972	NC_021164.1	Ca_kabuli_chr05	10526972	AA	CC	1940331306
SNP_P1_94481_10527242	NC_021164.1	Ca_kabuli_chr05	10527242	CC	TT	1940331308
SNP_P1_94482_10527959	NC_021164.1	Ca_kabuli_chr05	10527959	TT	CC	1940331310
SNP_P1_94483_10530896	NC_021164.1	Ca_kabuli_chr05	10530896	AA	CC	1940331311
SNP_P1_94484_10531040	NC_021164.1	Ca_kabuli_chr05	10531040	GG	CC	1940331313
SNP_P1_94486_10532721	NC_021164.1	Ca_kabuli_chr05	10532721	AA	GG	1940331315
SNP_P1_94487_10532921	NC_021164.1	Ca_kabuli_chr05	10532921	AA	GG	1940331317
SNP_P1_94488_10532923	NC_021164.1	Ca_kabuli_chr05	10532923	CC	TT	1940331318
SNP_P1_94489_10533044	NC_021164.1	Ca_kabuli_chr05	10533044	TT	AA	1940331320
SNP_P1_94490_10533053	NC_021164.1	Ca_kabuli_chr05	10533053	GG	AA	1940331322
SNP_P1_94491_10533060	NC_021164.1	Ca_kabuli_chr05	10533060	GG	CC	1940331323
SNP_P1_94492_10541329	NC_021164.1	Ca_kabuli_chr05	10541329	GG	AA	1940331325
SNP_P1_94493_10541822	NC_021164.1	Ca_kabuli_chr05	10541822	GG	AA	1940331327
SNP_P1_94494_10542536	NC_021164.1	Ca_kabuli_chr05	10542536	GG	TT	1940331329
SNP_P1_94495_10542577	NC_021164.1	Ca_kabuli_chr05	10542577	GG	AA	1940331330
SNP_P1_94496_10542782	NC_021164.1	Ca_kabuli_chr05	10542782	TT	GG	1940331332
SNP_P1_94497_10542861	NC_021164.1	Ca_kabuli_chr05	10542861	GG	AA	1940331334
SNP_P1_94498_10542874	NC_021164.1	Ca_kabuli_chr05	10542874	CC	AA	1940331335
SNP_P1_94499_10543357	NC_021164.1	Ca_kabuli_chr05	10543357	TT	GG	1940331337
SNP_P1_94500_10544643	NC_021164.1	Ca_kabuli_chr05	10544643	CC	TT	1940331339
SNP_P1_94501_10545011	NC_021164.1	Ca_kabuli_chr05	10545011	GG	AA	1940331340

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94504_10546306	NC_021164.1	Ca_kabuli_chr05	10546306	AA	CC	1940331346
SNP_P1_94505_10547107	NC_021164.1	Ca_kabuli_chr05	10547107	AA	TT	1940331347
SNP_P1_94506_10549690	NC_021164.1	Ca_kabuli_chr05	10549690	TT	AA	1940331349
SNP_P1_94509_10550697	NC_021164.1	Ca_kabuli_chr05	10550697	TT	GG	1940331351
SNP_P1_94510_10550837	NC_021164.1	Ca_kabuli_chr05	10550837	AA	CC	1940331352
SNP_P1_94511_10550882	NC_021164.1	Ca_kabuli_chr05	10550882	GG	AA	1940331354
SNP_P1_94512_10551066	NC_021164.1	Ca_kabuli_chr05	10551066	GG	AA	1940331356
SNP_P1_94513_10551926	NC_021164.1	Ca_kabuli_chr05	10551926	TT	CC	1940331358
SNP_P1_94514_10552968	NC_021164.1	Ca_kabuli_chr05	10552968	AA	TT	1940331359
SNP_P1_94515_10553104	NC_021164.1	Ca_kabuli_chr05	10553104	AA	CC	1940331361
SNP_P1_94516_10553978	NC_021164.1	Ca_kabuli_chr05	10553978	TT	CC	1940331363
SNP_P1_94517_10553989	NC_021164.1	Ca_kabuli_chr05	10553989	TT	CC	1940331364
SNP_P1_94518_10553995	NC_021164.1	Ca_kabuli_chr05	10553995	CC	GG	1940331366
SNP_P1_94519_10554001	NC_021164.1	Ca_kabuli_chr05	10554001	AA	GG	1940331368
SNP_P1_94520_10554017	NC_021164.1	Ca_kabuli_chr05	10554017	GG	TT	1940331369
SNP_P1_94521_10555199	NC_021164.1	Ca_kabuli_chr05	10555199	CC	GG	1940331371
SNP_P1_94522_10555422	NC_021164.1	Ca_kabuli_chr05	10555422	CC	TT	1940331373
SNP_P1_94523_10555589	NC_021164.1	Ca_kabuli_chr05	10555589	CC	TT	1940331375
SNP_P1_94524_10555717	NC_021164.1	Ca_kabuli_chr05	10555717	GG	AA	1940331376
SNP_P1_94525_10555747	NC_021164.1	Ca_kabuli_chr05	10555747	AA	GG	1940331378
SNP_P1_94526_10557449	NC_021164.1	Ca_kabuli_chr05	10557449	AA	GG	1940331380
SNP_P1_94527_10557486	NC_021164.1	Ca_kabuli_chr05	10557486	AA	GG	1940331381
SNP_P1_94528_10557656	NC_021164.1	Ca_kabuli_chr05	10557656	CC	AA	1940331383
SNP_P1_94529_10557771	NC_021164.1	Ca_kabuli_chr05	10557771	AA	CC	1940331385
SNP_P1_94530_10557959	NC_021164.1	Ca_kabuli_chr05	10557959	TT	CC	1940331387
SNP_P1_94531_10557970	NC_021164.1	Ca_kabuli_chr05	10557970	CC	TT	1940331388
SNP_P1_94532_10558003	NC_021164.1	Ca_kabuli_chr05	10558003	GG	AA	1940331390
SNP_P1_94533_10558310	NC_021164.1	Ca_kabuli_chr05	10558310	CC	TT	1940331392
SNP_P1_94534_10558727	NC_021164.1	Ca_kabuli_chr05	10558727	CC	GG	1940331393
SNP_P1_94535_10558736	NC_021164.1	Ca_kabuli_chr05	10558736	AA	GG	1940331395
SNP_P1_94536_10559024	NC_021164.1	Ca_kabuli_chr05	10559024	AA	GG	1940331397
SNP_P1_94537_10559381	NC_021164.1	Ca_kabuli_chr05	10559381	GG	AA	1940331398
SNP_P1_94538_10559421	NC_021164.1	Ca_kabuli_chr05	10559421	CC	TT	1940331400
SNP_P1_94540_10560774	NC_021164.1	Ca_kabuli_chr05	10560774	GG	AA	1940331402
SNP_P1_94541_10560822	NC_021164.1	Ca_kabuli_chr05	10560822	GG	AA	1940331404
SNP_P1_94542_10560871	NC_021164.1	Ca_kabuli_chr05	10560871	AA	GG	1940331405
SNP_P1_94543_10560875	NC_021164.1	Ca_kabuli_chr05	10560875	AA	CC	1940331407
SNP_P1_94544_10561064	NC_021164.1	Ca_kabuli_chr05	10561064	AA	GG	1940331409
SNP_P1_94546_10564554	NC_021164.1	Ca_kabuli_chr05	10564554	TT	CC	1940331410
SNP_P1_94548_10565885	NC_021164.1	Ca_kabuli_chr05	10565885	GG	TT	1940331412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94550_10566945	NC_021164.1	Ca_kabuli_chr05	10566945	CC	TT	1940331416
SNP_P1_94551_10569064	NC_021164.1	Ca_kabuli_chr05	10569064	AA	TT	1940331417
SNP_P1_94553_10574555	NC_021164.1	Ca_kabuli_chr05	10574555	AA	GG	1940331419
SNP_P1_94554_10574807	NC_021164.1	Ca_kabuli_chr05	10574807	TT	GG	1940331421
SNP_P1_94555_10574820	NC_021164.1	Ca_kabuli_chr05	10574820	GG	AA	1940331422
SNP_P1_94557_10575175	NC_021164.1	Ca_kabuli_chr05	10575175	TT	AA	1940331424
SNP_P1_94558_10575420	NC_021164.1	Ca_kabuli_chr05	10575420	AA	GG	1940331426
SNP_P1_94559_10575686	NC_021164.1	Ca_kabuli_chr05	10575686	TT	CC	1940331427
SNP_P1_94560_10576232	NC_021164.1	Ca_kabuli_chr05	10576232	AA	TT	1940331429
SNP_P1_94561_10587937	NC_021164.1	Ca_kabuli_chr05	10587937	AA	GG	1940331431
SNP_P1_94562_10587964	NC_021164.1	Ca_kabuli_chr05	10587964	AA	GG	1940331433
SNP_P1_94563_10588406	NC_021164.1	Ca_kabuli_chr05	10588406	AA	GG	1940331434
SNP_P1_94564_10591343	NC_021164.1	Ca_kabuli_chr05	10591343	CC	TT	1940331436
SNP_P1_94565_10592033	NC_021164.1	Ca_kabuli_chr05	10592033	GG	AA	1940331438
SNP_P1_94566_10592057	NC_021164.1	Ca_kabuli_chr05	10592057	AA	TT	1940331439
SNP_P1_94567_10592058	NC_021164.1	Ca_kabuli_chr05	10592058	AA	GG	1940331441
SNP_P1_94568_10592389	NC_021164.1	Ca_kabuli_chr05	10592389	TT	GG	1940331443
SNP_P1_94569_10592709	NC_021164.1	Ca_kabuli_chr05	10592709	GG	CC	1940331445
SNP_P1_94571_10592978	NC_021164.1	Ca_kabuli_chr05	10592978	AA	GG	1940331446
SNP_P1_94572_10593034	NC_021164.1	Ca_kabuli_chr05	10593034	TT	GG	1940331448
SNP_P1_94573_10594591	NC_021164.1	Ca_kabuli_chr05	10594591	TT	AA	1940331450
SNP_P1_94574_10596353	NC_021164.1	Ca_kabuli_chr05	10596353	CC	TT	1940331451
SNP_P1_94575_10596421	NC_021164.1	Ca_kabuli_chr05	10596421	TT	AA	1940331453
SNP_P1_94576_10596949	NC_021164.1	Ca_kabuli_chr05	10596949	TT	AA	1940331455
SNP_P1_94577_10597085	NC_021164.1	Ca_kabuli_chr05	10597085	GG	AA	1940331457
SNP_P1_94578_10597627	NC_021164.1	Ca_kabuli_chr05	10597627	AA	GG	1940331458
SNP_P1_94579_10598419	NC_021164.1	Ca_kabuli_chr05	10598419	AA	CC	1940331460
SNP_P1_94580_10598822	NC_021164.1	Ca_kabuli_chr05	10598822	TT	CC	1940331462
SNP_P1_94581_10598896	NC_021164.1	Ca_kabuli_chr05	10598896	TT	CC	1940331463
SNP_P1_94582_10600031	NC_021164.1	Ca_kabuli_chr05	10600031	CC	AA	1940331465
SNP_P1_94583_10600508	NC_021164.1	Ca_kabuli_chr05	10600508	AA	GG	1940331467
SNP_P1_94584_10600587	NC_021164.1	Ca_kabuli_chr05	10600587	CC	TT	1940331468
SNP_P1_94585_10600890	NC_021164.1	Ca_kabuli_chr05	10600890	TT	CC	1940331470
SNP_P1_94586_10600987	NC_021164.1	Ca_kabuli_chr05	10600987	AA	GG	1940331472
SNP_P1_94587_10602993	NC_021164.1	Ca_kabuli_chr05	10602993	TT	GG	1940331474
SNP_P1_94588_10603049	NC_021164.1	Ca_kabuli_chr05	10603049	AA	GG	1940331475
SNP_P1_94589_10603302	NC_021164.1	Ca_kabuli_chr05	10603302	TT	AA	1940331477
SNP_P1_94590_10604578	NC_021164.1	Ca_kabuli_chr05	10604578	TT	AA	1940331479
SNP_P1_94591_10604599	NC_021164.1	Ca_kabuli_chr05	10604599	TT	AA	1940331480
SNP_P1_94592_10604691	NC_021164.1	Ca_kabuli_chr05	10604691	CC	TT	1940331482
SNP_P1_94593_10604701	NC_021164.1	Ca_kabuli_chr05	10604701	GG	AA	1940331484

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94595_10605204	NC_021164.1	Ca_kabuli_chr05	10605204	GG	AA	1940331487
SNP_P1_94596_10605238	NC_021164.1	Ca_kabuli_chr05	10605238	CC	AA	1940331489
SNP_P1_94597_10605274	NC_021164.1	Ca_kabuli_chr05	10605274	CC	TT	1940331491
SNP_P1_94598_10605308	NC_021164.1	Ca_kabuli_chr05	10605308	GG	AA	1940331492
SNP_P1_94599_10605311	NC_021164.1	Ca_kabuli_chr05	10605311	GG	CC	1940331494
SNP_P1_94600_10605327	NC_021164.1	Ca_kabuli_chr05	10605327	TT	GG	1940331496
SNP_P1_94601_10605329	NC_021164.1	Ca_kabuli_chr05	10605329	CC	TT	1940331497
SNP_P1_94602_10605341	NC_021164.1	Ca_kabuli_chr05	10605341	CC	TT	1940331499
SNP_P1_94603_10605397	NC_021164.1	Ca_kabuli_chr05	10605397	TT	AA	1940331501
SNP_P1_94604_10605411	NC_021164.1	Ca_kabuli_chr05	10605411	TT	CC	1940331503
SNP_P1_94605_10605465	NC_021164.1	Ca_kabuli_chr05	10605465	AA	GG	1940331504
SNP_P1_94606_10605482	NC_021164.1	Ca_kabuli_chr05	10605482	CC	TT	1940331506
SNP_P1_94608_10605652	NC_021164.1	Ca_kabuli_chr05	10605652	TT	GG	1940331508
SNP_P1_94609_10608832	NC_021164.1	Ca_kabuli_chr05	10608832	TT	CC	1940331509
SNP_P1_94610_10608865	NC_021164.1	Ca_kabuli_chr05	10608865	CC	TT	1940331511
SNP_P1_94611_10609010	NC_021164.1	Ca_kabuli_chr05	10609010	TT	CC	1940331513
SNP_P1_94612_10609030	NC_021164.1	Ca_kabuli_chr05	10609030	AA	GG	1940331514
SNP_P1_94613_10609378	NC_021164.1	Ca_kabuli_chr05	10609378	GG	TT	1940331516
SNP_P1_94614_10617321	NC_021164.1	Ca_kabuli_chr05	10617321	TT	GG	1940331518
SNP_P1_94615_10617760	NC_021164.1	Ca_kabuli_chr05	10617760	GG	AA	1940331520
SNP_P1_94617_10634019	NC_021164.1	Ca_kabuli_chr05	10634019	GG	TT	1940331521
SNP_P1_94618_10634191	NC_021164.1	Ca_kabuli_chr05	10634191	CC	TT	1940331523
SNP_P1_94620_10634346	NC_021164.1	Ca_kabuli_chr05	10634346	TT	CC	1940331525
SNP_P1_94622_10640702	NC_021164.1	Ca_kabuli_chr05	10640702	GG	CC	1940331526
SNP_P1_94623_10641636	NC_021164.1	Ca_kabuli_chr05	10641636	TT	GG	1940331528
SNP_P1_94624_10643091	NC_021164.1	Ca_kabuli_chr05	10643091	CC	AA	1940331530
SNP_P1_94625_10645880	NC_021164.1	Ca_kabuli_chr05	10645880	AA	GG	1940331532
SNP_P1_94626_10646525	NC_021164.1	Ca_kabuli_chr05	10646525	CC	AA	1940331533
SNP_P1_94627_10647112	NC_021164.1	Ca_kabuli_chr05	10647112	AA	GG	1940331535
SNP_P1_94628_10647525	NC_021164.1	Ca_kabuli_chr05	10647525	GG	AA	1940331537
SNP_P1_94629_10647540	NC_021164.1	Ca_kabuli_chr05	10647540	GG	AA	1940331538
SNP_P1_94630_10649783	NC_021164.1	Ca_kabuli_chr05	10649783	TT	CC	1940331540
SNP_P1_94631_10650278	NC_021164.1	Ca_kabuli_chr05	10650278	TT	CC	1940331542
SNP_P1_94632_10650280	NC_021164.1	Ca_kabuli_chr05	10650280	CC	TT	1940331544
SNP_P1_94633_10650366	NC_021164.1	Ca_kabuli_chr05	10650366	TT	GG	1940331545
SNP_P1_94634_10656779	NC_021164.1	Ca_kabuli_chr05	10656779	GG	AA	1940331547
SNP_P1_94635_10659976	NC_021164.1	Ca_kabuli_chr05	10659976	AA	GG	1940331549
SNP_P1_94636_10660912	NC_021164.1	Ca_kabuli_chr05	10660912	TT	GG	1940331550
SNP_P1_94637_10661393	NC_021164.1	Ca_kabuli_chr05	10661393	TT	AA	1940331552
SNP_P1_94638_10667937	NC_021164.1	Ca_kabuli_chr05	10667937	TT	CC	1940331554
SNP_P1_94639_10668048	NC_021164.1	Ca_kabuli_chr05	10668048	GG	TT	1940331555

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94642_10671767	NC_021164.1	Ca_kabuli_chr05	10671767	TT	AA	1940331559
SNP_P1_94643_10671984	NC_021164.1	Ca_kabuli_chr05	10671984	TT	CC	1940331561
SNP_P1_94644_10672038	NC_021164.1	Ca_kabuli_chr05	10672038	CC	TT	1940331562
SNP_P1_94645_10672102	NC_021164.1	Ca_kabuli_chr05	10672102	CC	TT	1940331564
SNP_P1_94646_10672108	NC_021164.1	Ca_kabuli_chr05	10672108	TT	CC	1940331566
SNP_P1_94647_10672242	NC_021164.1	Ca_kabuli_chr05	10672242	GG	TT	1940331567
SNP_P1_94648_10672246	NC_021164.1	Ca_kabuli_chr05	10672246	CC	AA	1940331569
SNP_P1_94649_10672313	NC_021164.1	Ca_kabuli_chr05	10672313	AA	GG	1940331571
SNP_P1_94650_10672325	NC_021164.1	Ca_kabuli_chr05	10672325	CC	TT	1940331573
SNP_P1_94651_10672377	NC_021164.1	Ca_kabuli_chr05	10672377	GG	CC	1940331574
SNP_P1_94652_10672390	NC_021164.1	Ca_kabuli_chr05	10672390	GG	AA	1940331576
SNP_P1_94653_10672510	NC_021164.1	Ca_kabuli_chr05	10672510	CC	TT	1940331578
SNP_P1_94654_10672635	NC_021164.1	Ca_kabuli_chr05	10672635	GG	AA	1940331579
SNP_P1_94655_10672950	NC_021164.1	Ca_kabuli_chr05	10672950	CC	TT	1940331581
SNP_P1_94656_10672969	NC_021164.1	Ca_kabuli_chr05	10672969	TT	CC	1940331583
SNP_P1_94657_10673009	NC_021164.1	Ca_kabuli_chr05	10673009	TT	CC	1940331584
SNP_P1_94658_10673107	NC_021164.1	Ca_kabuli_chr05	10673107	CC	AA	1940331586
SNP_P1_94659_10673115	NC_021164.1	Ca_kabuli_chr05	10673115	CC	TT	1940331588
SNP_P1_94660_10673127	NC_021164.1	Ca_kabuli_chr05	10673127	GG	AA	1940331590
SNP_P1_94661_10673179	NC_021164.1	Ca_kabuli_chr05	10673179	GG	AA	1940331591
SNP_P1_94662_10673520	NC_021164.1	Ca_kabuli_chr05	10673520	GG	AA	1940331593
SNP_P1_94663_10673524	NC_021164.1	Ca_kabuli_chr05	10673524	GG	AA	1940331595
SNP_P1_94664_10673542	NC_021164.1	Ca_kabuli_chr05	10673542	GG	AA	1940331596
SNP_P1_94665_10673602	NC_021164.1	Ca_kabuli_chr05	10673602	TT	AA	1940331598
SNP_P1_94666_10673605	NC_021164.1	Ca_kabuli_chr05	10673605	TT	CC	1940331600
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SNP_P1_94668_10673831	NC_021164.1	Ca_kabuli_chr05	10673831	GG	TT	1940331603
SNP_P1_94669_10673882	NC_021164.1	Ca_kabuli_chr05	10673882	TT	AA	1940331605
SNP_P1_94670_10674000	NC_021164.1	Ca_kabuli_chr05	10674000	TT	GG	1940331607
SNP_P1_94671_10674158	NC_021164.1	Ca_kabuli_chr05	10674158	GG	AA	1940331608
SNP_P1_94672_10674211	NC_021164.1	Ca_kabuli_chr05	10674211	CC	TT	1940331610
SNP_P1_94673_10674303	NC_021164.1	Ca_kabuli_chr05	10674303	AA	TT	1940331612
SNP_P1_94674_10674393	NC_021164.1	Ca_kabuli_chr05	10674393	TT	AA	1940331613
SNP_P1_94675_10674506	NC_021164.1	Ca_kabuli_chr05	10674506	GG	TT	1940331615
SNP_P1_94676_10674546	NC_021164.1	Ca_kabuli_chr05	10674546	AA	GG	1940331617
SNP_P1_94677_10674718	NC_021164.1	Ca_kabuli_chr05	10674718	AA	GG	1940331619
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SNP_P1_94680_10674884	NC_021164.1	Ca_kabuli_chr05	10674884	CC	TT	1940331624
SNP_P1_94681_10675497	NC_021164.1	Ca_kabuli_chr05	10675497	TT	CC	1940331625
SNP_P1_94682_10675863	NC_021164.1	Ca_kabuli_chr05	10675863	GG	AA	1940331627

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94685_10676159	NC_021164.1	Ca_kabuli_chr05	10676159	GG	AA	1940331632
SNP_P1_94686_10676416	NC_021164.1	Ca_kabuli_chr05	10676416	GG	AA	1940331634
SNP_P1_94687_10676548	NC_021164.1	Ca_kabuli_chr05	10676548	AA	TT	1940331636
SNP_P1_94688_10676603	NC_021164.1	Ca_kabuli_chr05	10676603	TT	CC	1940331637
SNP_P1_94689_10676608	NC_021164.1	Ca_kabuli_chr05	10676608	AA	GG	1940331639
SNP_P1_94690_10676623	NC_021164.1	Ca_kabuli_chr05	10676623	GG	AA	1940331641
SNP_P1_94691_10676630	NC_021164.1	Ca_kabuli_chr05	10676630	CC	TT	1940331642
SNP_P1_94692_10676638	NC_021164.1	Ca_kabuli_chr05	10676638	CC	AA	1940331644
SNP_P1_94693_10676761	NC_021164.1	Ca_kabuli_chr05	10676761	TT	GG	1940331646
SNP_P1_94694_10677209	NC_021164.1	Ca_kabuli_chr05	10677209	TT	CC	1940331648
SNP_P1_94695_10677428	NC_021164.1	Ca_kabuli_chr05	10677428	GG	AA	1940331649
SNP_P1_94696_10677868	NC_021164.1	Ca_kabuli_chr05	10677868	GG	AA	1940331651
SNP_P1_94697_10678033	NC_021164.1	Ca_kabuli_chr05	10678033	CC	TT	1940331653
SNP_P1_94698_10678076	NC_021164.1	Ca_kabuli_chr05	10678076	GG	CC	1940331654
SNP_P1_94699_10678201	NC_021164.1	Ca_kabuli_chr05	10678201	CC	TT	1940331656
SNP_P1_94700_10678206	NC_021164.1	Ca_kabuli_chr05	10678206	AA	GG	1940331658
SNP_P1_94701_10678331	NC_021164.1	Ca_kabuli_chr05	10678331	GG	AA	1940331660
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SNP_P1_94704_10679884	NC_021164.1	Ca_kabuli_chr05	10679884	TT	AA	1940331663
SNP_P1_94705_10679910	NC_021164.1	Ca_kabuli_chr05	10679910	CC	TT	1940331665
SNP_P1_94706_10679919	NC_021164.1	Ca_kabuli_chr05	10679919	TT	CC	1940331666
SNP_P1_94707_10679967	NC_021164.1	Ca_kabuli_chr05	10679967	TT	GG	1940331668
SNP_P1_94708_10679989	NC_021164.1	Ca_kabuli_chr05	10679989	GG	CC	1940331670
SNP_P1_94709_10680016	NC_021164.1	Ca_kabuli_chr05	10680016	CC	TT	1940331671
SNP_P1_94710_10680056	NC_021164.1	Ca_kabuli_chr05	10680056	GG	AA	1940331673
SNP_P1_94711_10680063	NC_021164.1	Ca_kabuli_chr05	10680063	GG	TT	1940331675
SNP_P1_94712_10680066	NC_021164.1	Ca_kabuli_chr05	10680066	TT	CC	1940331677
SNP_P1_94713_10680067	NC_021164.1	Ca_kabuli_chr05	10680067	CC	TT	1940331678
SNP_P1_94714_10680100	NC_021164.1	Ca_kabuli_chr05	10680100	CC	AA	1940331680
SNP_P1_94715_10680107	NC_021164.1	Ca_kabuli_chr05	10680107	AA	GG	1940331682
SNP_P1_94716_10680109	NC_021164.1	Ca_kabuli_chr05	10680109	CC	AA	1940331683
SNP_P1_94717_10680152	NC_021164.1	Ca_kabuli_chr05	10680152	AA	TT	1940331685
SNP_P1_94718_10680168	NC_021164.1	Ca_kabuli_chr05	10680168	AA	TT	1940331687
SNP_P1_94719_10680170	NC_021164.1	Ca_kabuli_chr05	10680170	GG	AA	1940331689
SNP_P1_94720_10680185	NC_021164.1	Ca_kabuli_chr05	10680185	CC	TT	1940331690
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SNP_P1_94722_10680347	NC_021164.1	Ca_kabuli_chr05	10680347	GG	TT	1940331694
SNP_P1_94723_10686889	NC_021164.1	Ca_kabuli_chr05	10686889	AA	GG	1940331695
SNP_P1_94724_10686922	NC_021164.1	Ca_kabuli_chr05	10686922	CC	TT	1940331697
SNP_P1_94725_10686942	NC_021164.1	Ca_kabuli_chr05	10686942	TT	GG	1940331699

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94729_10687131	NC_021164.1	Ca_kabuli_chr05	10687131	AA	GG	1940331704
SNP_P1_94730_10687204	NC_021164.1	Ca_kabuli_chr05	10687204	TT	GG	1940331706
SNP_P1_94731_10687251	NC_021164.1	Ca_kabuli_chr05	10687251	GG	AA	1940331707
SNP_P1_94732_10687281	NC_021164.1	Ca_kabuli_chr05	10687281	GG	TT	1940331709
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SNP_P1_94734_10687375	NC_021164.1	Ca_kabuli_chr05	10687375	TT	GG	1940331712
SNP_P1_94735_10687455	NC_021164.1	Ca_kabuli_chr05	10687455	AA	CC	1940331714
SNP_P1_94736_10687490	NC_021164.1	Ca_kabuli_chr05	10687490	TT	CC	1940331716
SNP_P1_94737_10687500	NC_021164.1	Ca_kabuli_chr05	10687500	TT	AA	1940331718
SNP_P1_94738_10687502	NC_021164.1	Ca_kabuli_chr05	10687502	CC	TT	1940331719
SNP_P1_94739_10687823	NC_021164.1	Ca_kabuli_chr05	10687823	TT	AA	1940331721
SNP_P1_94740_10687859	NC_021164.1	Ca_kabuli_chr05	10687859	AA	GG	1940331723
SNP_P1_94741_10688106	NC_021164.1	Ca_kabuli_chr05	10688106	CC	TT	1940331724
SNP_P1_94742_10688368	NC_021164.1	Ca_kabuli_chr05	10688368	TT	GG	1940331726
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SNP_P1_94746_10688847	NC_021164.1	Ca_kabuli_chr05	10688847	GG	TT	1940331733
SNP_P1_94747_10688886	NC_021164.1	Ca_kabuli_chr05	10688886	CC	TT	1940331735
SNP_P1_94748_10688896	NC_021164.1	Ca_kabuli_chr05	10688896	TT	AA	1940331736
SNP_P1_94749_10688907	NC_021164.1	Ca_kabuli_chr05	10688907	AA	CC	1940331738
SNP_P1_94750_10688999	NC_021164.1	Ca_kabuli_chr05	10688999	CC	TT	1940331740
SNP_P1_94753_10689167	NC_021164.1	Ca_kabuli_chr05	10689167	TT	CC	1940331741
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SNP_P1_94759_10689693	NC_021164.1	Ca_kabuli_chr05	10689693	GG	CC	1940331750
SNP_P1_94760_10690076	NC_021164.1	Ca_kabuli_chr05	10690076	TT	AA	1940331752
SNP_P1_94761_10690942	NC_021164.1	Ca_kabuli_chr05	10690942	TT	CC	1940331753
SNP_P1_94762_10691210	NC_021164.1	Ca_kabuli_chr05	10691210	AA	GG	1940331755
SNP_P1_94763_10691572	NC_021164.1	Ca_kabuli_chr05	10691572	TT	CC	1940331757
SNP_P1_94764_10692068	NC_021164.1	Ca_kabuli_chr05	10692068	AA	GG	1940331758
SNP_P1_94765_10692515	NC_021164.1	Ca_kabuli_chr05	10692515	AA	CC	1940331760
SNP_P1_94767_10704670	NC_021164.1	Ca_kabuli_chr05	10704670	AA	CC	1940331762
SNP_P1_94768_10706045	NC_021164.1	Ca_kabuli_chr05	10706045	GG	CC	1940331764
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SNP_P1_94770_10747684	NC_021164.1	Ca_kabuli_chr05	10747684	GG	AA	1940331767
SNP_P1_94771_10747689	NC_021164.1	Ca_kabuli_chr05	10747689	TT	CC	1940331769
SNP_P1_94773_10759509	NC_021164.1	Ca_kabuli_chr05	10759509	TT	GG	1940331770

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94776_10759855	NC_021164.1	Ca_kabuli_chr05	10759855	GG	TT	1940331776
SNP_P1_94778_10794911	NC_021164.1	Ca_kabuli_chr05	10794911	CC	AA	1940331777
SNP_P1_94782_10868265	NC_021164.1	Ca_kabuli_chr05	10868265	AA	CC	1940331779
SNP_P1_94783_10869548	NC_021164.1	Ca_kabuli_chr05	10869548	CC	TT	1940331781
SNP_P1_94785_10952977	NC_021164.1	Ca_kabuli_chr05	10952977	CC	TT	1940331782
SNP_P1_94786_10953802	NC_021164.1	Ca_kabuli_chr05	10953802	GG	AA	1940331784
SNP_P1_94787_10953823	NC_021164.1	Ca_kabuli_chr05	10953823	CC	TT	1940331786
SNP_P1_94788_10954848	NC_021164.1	Ca_kabuli_chr05	10954848	TT	CC	1940331787
SNP_P1_94789_10954884	NC_021164.1	Ca_kabuli_chr05	10954884	TT	CC	1940331789
SNP_P1_94790_10954911	NC_021164.1	Ca_kabuli_chr05	10954911	TT	CC	1940331791
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SNP_P1_94793_10955241	NC_021164.1	Ca_kabuli_chr05	10955241	CC	TT	1940331796
SNP_P1_94794_10968130	NC_021164.1	Ca_kabuli_chr05	10968130	TT	GG	1940331798
SNP_P1_94795_10982332	NC_021164.1	Ca_kabuli_chr05	10982332	TT	CC	1940331799
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SNP_P1_94798_10982358	NC_021164.1	Ca_kabuli_chr05	10982358	TT	CC	1940331804
SNP_P1_94799_10982360	NC_021164.1	Ca_kabuli_chr05	10982360	TT	AA	1940331806
SNP_P1_94800_10982369	NC_021164.1	Ca_kabuli_chr05	10982369	AA	GG	1940331808
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SNP_P1_94802_10995496	NC_021164.1	Ca_kabuli_chr05	10995496	AA	GG	1940331811
SNP_P1_94803_10995542	NC_021164.1	Ca_kabuli_chr05	10995542	TT	GG	1940331813
SNP_P1_94804_10995548	NC_021164.1	Ca_kabuli_chr05	10995548	AA	CC	1940331815
SNP_P1_94806_11005444	NC_021164.1	Ca_kabuli_chr05	11005444	CC	TT	1940331816
SNP_P1_94807_11008065	NC_021164.1	Ca_kabuli_chr05	11008065	GG	CC	1940331818
SNP_P1_94809_11016214	NC_021164.1	Ca_kabuli_chr05	11016214	TT	AA	1940331820
SNP_P1_94810_11028259	NC_021164.1	Ca_kabuli_chr05	11028259	GG	AA	1940331822
SNP_P1_94812_11074831	NC_021164.1	Ca_kabuli_chr05	11074831	GG	TT	1940331823
SNP_P1_94813_11075271	NC_021164.1	Ca_kabuli_chr05	11075271	CC	AA	1940331825
SNP_P1_94814_11075272	NC_021164.1	Ca_kabuli_chr05	11075272	AA	GG	1940331827
SNP_P1_94815_11075353	NC_021164.1	Ca_kabuli_chr05	11075353	TT	GG	1940331828
SNP_P1_94816_11075430	NC_021164.1	Ca_kabuli_chr05	11075430	AA	GG	1940331830
SNP_P1_94817_11075442	NC_021164.1	Ca_kabuli_chr05	11075442	AA	GG	1940331832
SNP_P1_94818_11075448	NC_021164.1	Ca_kabuli_chr05	11075448	AA	GG	1940331833
SNP_P1_94819_11075471	NC_021164.1	Ca_kabuli_chr05	11075471	AA	GG	1940331835
SNP_P1_94820_11075490	NC_021164.1	Ca_kabuli_chr05	11075490	AA	GG	1940331837
SNP_P1_94821_11075517	NC_021164.1	Ca_kabuli_chr05	11075517	AA	CC	1940331839
SNP_P1_94822_11075547	NC_021164.1	Ca_kabuli_chr05	11075547	CC	TT	1940331840
SNP_P1_94823_11075567	NC_021164.1	Ca_kabuli_chr05	11075567	TT	AA	1940331842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94825_11106020	NC_021164.1	Ca_kabuli_chr05	11106020	CC	TT	1940331845
SNP_P1_94826_11117178	NC_021164.1	Ca_kabuli_chr05	11117178	TT	CC	1940331847
SNP_P1_94827_11126221	NC_021164.1	Ca_kabuli_chr05	11126221	GG	AA	1940331849
SNP_P1_94829_11131266	NC_021164.1	Ca_kabuli_chr05	11131266	GG	TT	1940331851
SNP_P1_94830_11131356	NC_021164.1	Ca_kabuli_chr05	11131356	TT	CC	1940331852
SNP_P1_94831_11131592	NC_021164.1	Ca_kabuli_chr05	11131592	GG	AA	1940331854
SNP_P1_94832_11132368	NC_021164.1	Ca_kabuli_chr05	11132368	CC	TT	1940331856
SNP_P1_94833_11132374	NC_021164.1	Ca_kabuli_chr05	11132374	CC	AA	1940331857
SNP_P1_94834_11132443	NC_021164.1	Ca_kabuli_chr05	11132443	GG	TT	1940331859
SNP_P1_94835_11132450	NC_021164.1	Ca_kabuli_chr05	11132450	AA	TT	1940331861
SNP_P1_94836_11132507	NC_021164.1	Ca_kabuli_chr05	11132507	TT	AA	1940331863
SNP_P1_94837_11132513	NC_021164.1	Ca_kabuli_chr05	11132513	GG	TT	1940331864
SNP_P1_94838_11132536	NC_021164.1	Ca_kabuli_chr05	11132536	TT	CC	1940331866
SNP_P1_94839_11132559	NC_021164.1	Ca_kabuli_chr05	11132559	TT	AA	1940331868
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SNP_P1_94841_11132616	NC_021164.1	Ca_kabuli_chr05	11132616	AA	TT	1940331871
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SNP_P1_94850_11148254	NC_021164.1	Ca_kabuli_chr05	11148254	GG	AA	1940331885
SNP_P1_94851_11167454	NC_021164.1	Ca_kabuli_chr05	11167454	GG	AA	1940331886
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SNP_P1_94863_11167887	NC_021164.1	Ca_kabuli_chr05	11167887	TT	CC	1940331905
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SNP_P1_94865_11167892	NC_021164.1	Ca_kabuli_chr05	11167892	TT	CC	1940331909
SNP_P1_94866_11167898	NC_021164.1	Ca_kabuli_chr05	11167898	AA	GG	1940331910
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SNP_P1_94868_11167944	NC_021164.1	Ca_kabuli_chr05	11167944	GG	CC	1940331914

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94871_11167977	NC_021164.1	Ca_kabuli_chr05	11167977	CC	AA	1940331919
SNP_P1_94872_11167986	NC_021164.1	Ca_kabuli_chr05	11167986	TT	GG	1940331921
SNP_P1_94873_11167997	NC_021164.1	Ca_kabuli_chr05	11167997	CC	GG	1940331922
SNP_P1_94874_11168012	NC_021164.1	Ca_kabuli_chr05	11168012	GG	AA	1940331924
SNP_P1_94875_11168022	NC_021164.1	Ca_kabuli_chr05	11168022	TT	CC	1940331926
SNP_P1_94876_11168046	NC_021164.1	Ca_kabuli_chr05	11168046	TT	AA	1940331927
SNP_P1_94877_11168052	NC_021164.1	Ca_kabuli_chr05	11168052	TT	CC	1940331929
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SNP_P1_94880_11168142	NC_021164.1	Ca_kabuli_chr05	11168142	AA	TT	1940331934
SNP_P1_94881_11168165	NC_021164.1	Ca_kabuli_chr05	11168165	GG	CC	1940331936
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SNP_P1_94883_11168238	NC_021164.1	Ca_kabuli_chr05	11168238	AA	TT	1940331939
SNP_P1_94885_11168454	NC_021164.1	Ca_kabuli_chr05	11168454	TT	CC	1940331941
SNP_P1_94886_11168644	NC_021164.1	Ca_kabuli_chr05	11168644	TT	CC	1940331943
SNP_P1_94887_11168669	NC_021164.1	Ca_kabuli_chr05	11168669	AA	GG	1940331944
SNP_P1_94889_11168754	NC_021164.1	Ca_kabuli_chr05	11168754	AA	GG	1940331946
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SNP_P1_94892_11168864	NC_021164.1	Ca_kabuli_chr05	11168864	TT	AA	1940331950
SNP_P1_94893_11168881	NC_021164.1	Ca_kabuli_chr05	11168881	CC	TT	1940331951
SNP_P1_94894_11168882	NC_021164.1	Ca_kabuli_chr05	11168882	CC	TT	1940331953
SNP_P1_94896_11168984	NC_021164.1	Ca_kabuli_chr05	11168984	AA	TT	1940331955
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SNP_P1_94900_11169094	NC_021164.1	Ca_kabuli_chr05	11169094	GG	TT	1940331960
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SNP_P1_94902_11169198	NC_021164.1	Ca_kabuli_chr05	11169198	CC	AA	1940331963
SNP_P1_94903_11169218	NC_021164.1	Ca_kabuli_chr05	11169218	TT	CC	1940331965
SNP_P1_94904_11169228	NC_021164.1	Ca_kabuli_chr05	11169228	CC	TT	1940331967
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SNP_P1_94906_11169282	NC_021164.1	Ca_kabuli_chr05	11169282	GG	AA	1940331970
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SNP_P1_94908_11169396	NC_021164.1	Ca_kabuli_chr05	11169396	CC	AA	1940331974
SNP_P1_94909_11169409	NC_021164.1	Ca_kabuli_chr05	11169409	AA	GG	1940331975
SNP_P1_94910_11169531	NC_021164.1	Ca_kabuli_chr05	11169531	TT	GG	1940331977
SNP_P1_94912_11169550	NC_021164.1	Ca_kabuli_chr05	11169550	GG	TT	1940331979
SNP_P1_94913_11169552	NC_021164.1	Ca_kabuli_chr05	11169552	AA	GG	1940331980
SNP_P1_94914_11169578	NC_021164.1	Ca_kabuli_chr05	11169578	CC	GG	1940331982
SNP_P1_94915_11169588	NC_021164.1	Ca_kabuli_chr05	11169588	CC	TT	1940331984
SNP_P1_94917_11169627	NC_021164.1	Ca_kabuli_chr05	11169627	AA	CC	1940331985

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_94918_11169638	NC_021164.1	Ca_kabuli_chr05	11169638	AA	GG	1940331987
SNP_P1_94920_11180296	NC_021164.1	Ca_kabuli_chr05	11180296	TT	AA	1940331989
SNP_P1_94921_11180794	NC_021164.1	Ca_kabuli_chr05	11180794	CC	TT	1940331991
SNP_P1_94922_11180804	NC_021164.1	Ca_kabuli_chr05	11180804	CC	AA	1940331992
SNP_P1_94923_11181747	NC_021164.1	Ca_kabuli_chr05	11181747	TT	AA	1940331994
SNP_P1_94924_11181788	NC_021164.1	Ca_kabuli_chr05	11181788	CC	GG	1940331996
SNP_P1_94925_11181865	NC_021164.1	Ca_kabuli_chr05	11181865	TT	CC	1940331997
SNP_P1_94926_11181896	NC_021164.1	Ca_kabuli_chr05	11181896	GG	CC	1940331999
SNP_P1_94927_11181899	NC_021164.1	Ca_kabuli_chr05	11181899	GG	AA	1940332001
SNP_P1_94928_11181963	NC_021164.1	Ca_kabuli_chr05	11181963	CC	TT	1940332003
SNP_P1_94929_11181988	NC_021164.1	Ca_kabuli_chr05	11181988	TT	CC	1940332004
SNP_P1_94930_11182020	NC_021164.1	Ca_kabuli_chr05	11182020	AA	GG	1940332006
SNP_P1_94931_11182140	NC_021164.1	Ca_kabuli_chr05	11182140	GG	TT	1940332008
SNP_P1_94932_11182235	NC_021164.1	Ca_kabuli_chr05	11182235	CC	AA	1940332009
SNP_P1_94933_11182292	NC_021164.1	Ca_kabuli_chr05	11182292	CC	TT	1940332011
SNP_P1_94934_11182506	NC_021164.1	Ca_kabuli_chr05	11182506	AA	TT	1940332013
SNP_P1_94935_11182561	NC_021164.1	Ca_kabuli_chr05	11182561	TT	AA	1940332015
SNP_P1_94936_11182617	NC_021164.1	Ca_kabuli_chr05	11182617	CC	GG	1940332016
SNP_P1_94937_11187544	NC_021164.1	Ca_kabuli_chr05	11187544	AA	GG	1940332018
SNP_P1_94938_11187880	NC_021164.1	Ca_kabuli_chr05	11187880	CC	AA	1940332020
SNP_P1_94939_11187894	NC_021164.1	Ca_kabuli_chr05	11187894	CC	TT	1940332021
SNP_P1_94940_11188080	NC_021164.1	Ca_kabuli_chr05	11188080	CC	TT	1940332023
SNP_P1_94941_11188889	NC_021164.1	Ca_kabuli_chr05	11188889	TT	AA	1940332025
SNP_P1_94942_11195112	NC_021164.1	Ca_kabuli_chr05	11195112	CC	TT	1940332027
SNP_P1_94943_11230713	NC_021164.1	Ca_kabuli_chr05	11230713	TT	CC	1940332028
SNP_P1_94944_11230777	NC_021164.1	Ca_kabuli_chr05	11230777	CC	TT	1940332030
SNP_P1_94945_11232966	NC_021164.1	Ca_kabuli_chr05	11232966	GG	AA	1940332032
SNP_P1_94946_11232984	NC_021164.1	Ca_kabuli_chr05	11232984	CC	AA	1940332033
SNP_P1_94948_11233259	NC_021164.1	Ca_kabuli_chr05	11233259	CC	TT	1940332035
SNP_P1_94949_11238629	NC_021164.1	Ca_kabuli_chr05	11238629	CC	TT	1940332037
SNP_P1_94950_11243458	NC_021164.1	Ca_kabuli_chr05	11243458	CC	TT	1940332039
SNP_P1_94951_11243728	NC_021164.1	Ca_kabuli_chr05	11243728	TT	CC	1940332040
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SNP_P1_94953_11244064	NC_021164.1	Ca_kabuli_chr05	11244064	GG	TT	1940332044
SNP_P1_94954_11244084	NC_021164.1	Ca_kabuli_chr05	11244084	TT	CC	1940332045
SNP_P1_94956_11244182	NC_021164.1	Ca_kabuli_chr05	11244182	AA	TT	1940332047
SNP_P1_94957_11244241	NC_021164.1	Ca_kabuli_chr05	11244241	TT	GG	1940332049
SNP_P1_94958_11258644	NC_021164.1	Ca_kabuli_chr05	11258644	TT	CC	1940332051
SNP_P1_94959_11271174	NC_021164.1	Ca_kabuli_chr05	11271174	GG	TT	1940332052
SNP_P1_94961_11291199	NC_021164.1	Ca_kabuli_chr05	11291199	TT	AA	1940332054
SNP_P1_94962_11298015	NC_021164.1	Ca_kabuli_chr05	11298015	AA	GG	1940332056
SNP_P1_94963_11298179	NC_021164.1	Ca_kabuli_chr05	11298179	CC	AA	1940332057

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_94965_11321238	NC_021164.1	Ca_kabuli_chr05	11321238	AA	CC	1940332061
SNP_P1_94966_11321267	NC_021164.1	Ca_kabuli_chr05	11321267	TT	GG	1940332062
SNP_P1_94967_11324605	NC_021164.1	Ca_kabuli_chr05	11324605	GG	AA	1940332064
SNP_P1_94969_11324668	NC_021164.1	Ca_kabuli_chr05	11324668	CC	TT	1940332066
SNP_P1_94972_11346317	NC_021164.1	Ca_kabuli_chr05	11346317	TT	GG	1940332068
SNP_P1_94973_11346407	NC_021164.1	Ca_kabuli_chr05	11346407	CC	AA	1940332069
SNP_P1_94974_11346428	NC_021164.1	Ca_kabuli_chr05	11346428	GG	CC	1940332071
SNP_P1_94975_11346441	NC_021164.1	Ca_kabuli_chr05	11346441	TT	CC	1940332073
SNP_P1_94976_11346647	NC_021164.1	Ca_kabuli_chr05	11346647	TT	CC	1940332074
SNP_P1_94977_11346677	NC_021164.1	Ca_kabuli_chr05	11346677	AA	CC	1940332076
SNP_P1_94978_11346683	NC_021164.1	Ca_kabuli_chr05	11346683	TT	CC	1940332078
SNP_P1_94979_11346695	NC_021164.1	Ca_kabuli_chr05	11346695	GG	AA	1940332080
SNP_P1_94980_11346704	NC_021164.1	Ca_kabuli_chr05	11346704	GG	AA	1940332081
SNP_P1_94981_11346760	NC_021164.1	Ca_kabuli_chr05	11346760	GG	TT	1940332083
SNP_P1_94982_11346766	NC_021164.1	Ca_kabuli_chr05	11346766	AA	GG	1940332085
SNP_P1_94983_11346825	NC_021164.1	Ca_kabuli_chr05	11346825	TT	CC	1940332086
SNP_P1_94984_11346864	NC_021164.1	Ca_kabuli_chr05	11346864	CC	GG	1940332088
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SNP_P1_94986_11346878	NC_021164.1	Ca_kabuli_chr05	11346878	CC	TT	1940332091
SNP_P1_94987_11347018	NC_021164.1	Ca_kabuli_chr05	11347018	TT	CC	1940332093
SNP_P1_94988_11360170	NC_021164.1	Ca_kabuli_chr05	11360170	CC	GG	1940332095
SNP_P1_94989_11362580	NC_021164.1	Ca_kabuli_chr05	11362580	AA	GG	1940332097
SNP_P1_94990_11362940	NC_021164.1	Ca_kabuli_chr05	11362940	AA	GG	1940332098
SNP_P1_94991_11391332	NC_021164.1	Ca_kabuli_chr05	11391332	AA	CC	1940332100
SNP_P1_94992_11391333	NC_021164.1	Ca_kabuli_chr05	11391333	AA	CC	1940332102
SNP_P1_94993_11413777	NC_021164.1	Ca_kabuli_chr05	11413777	GG	AA	1940332103
SNP_P1_94994_11420751	NC_021164.1	Ca_kabuli_chr05	11420751	AA	CC	1940332105
SNP_P1_94996_11427806	NC_021164.1	Ca_kabuli_chr05	11427806	AA	GG	1940332107
SNP_P1_94997_11435128	NC_021164.1	Ca_kabuli_chr05	11435128	TT	CC	1940332109
SNP_P1_94998_11447965	NC_021164.1	Ca_kabuli_chr05	11447965	CC	TT	1940332110
SNP_P1_94999_11467114	NC_021164.1	Ca_kabuli_chr05	11467114	CC	TT	1940332112
SNP_P1_95000_11476552	NC_021164.1	Ca_kabuli_chr05	11476552	GG	AA	1940332114
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SNP_P1_95006_11508956	NC_021164.1	Ca_kabuli_chr05	11508956	GG	AA	1940332119
SNP_P1_95007_11512157	NC_021164.1	Ca_kabuli_chr05	11512157	TT	CC	1940332121
SNP_P1_95008_11512263	NC_021164.1	Ca_kabuli_chr05	11512263	CC	TT	1940332122
SNP_P1_95009_11512269	NC_021164.1	Ca_kabuli_chr05	11512269	GG	AA	1940332124
SNP_P1_95010_11512501	NC_021164.1	Ca_kabuli_chr05	11512501	AA	GG	1940332126
SNP_P1_95011_11512541	NC_021164.1	Ca_kabuli_chr05	11512541	TT	CC	1940332127
SNP_P1_95012_11512560	NC_021164.1	Ca_kabuli_chr05	11512560	AA	GG	1940332129

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95014_11512593	NC_021164.1	Ca_kabuli_chr05	11512593	AA	GG	1940332133
SNP_P1_95015_11512617	NC_021164.1	Ca_kabuli_chr05	11512617	TT	CC	1940332134
SNP_P1_95016_11512686	NC_021164.1	Ca_kabuli_chr05	11512686	TT	CC	1940332136
SNP_P1_95017_11512703	NC_021164.1	Ca_kabuli_chr05	11512703	TT	GG	1940332138
SNP_P1_95018_11512706	NC_021164.1	Ca_kabuli_chr05	11512706	AA	GG	1940332139
SNP_P1_95019_11512715	NC_021164.1	Ca_kabuli_chr05	11512715	GG	TT	1940332141
SNP_P1_95020_11512739	NC_021164.1	Ca_kabuli_chr05	11512739	TT	AA	1940332143
SNP_P1_95021_11512767	NC_021164.1	Ca_kabuli_chr05	11512767	AA	GG	1940332145
SNP_P1_95022_11512774	NC_021164.1	Ca_kabuli_chr05	11512774	GG	AA	1940332146
SNP_P1_95023_11512779	NC_021164.1	Ca_kabuli_chr05	11512779	CC	TT	1940332148
SNP_P1_95024_11512784	NC_021164.1	Ca_kabuli_chr05	11512784	AA	GG	1940332150
SNP_P1_95025_11512801	NC_021164.1	Ca_kabuli_chr05	11512801	AA	GG	1940332151
SNP_P1_95026_11512806	NC_021164.1	Ca_kabuli_chr05	11512806	CC	TT	1940332153
SNP_P1_95027_11515951	NC_021164.1	Ca_kabuli_chr05	11515951	TT	CC	1940332155
SNP_P1_95028_11515960	NC_021164.1	Ca_kabuli_chr05	11515960	AA	TT	1940332156
SNP_P1_95029_11516472	NC_021164.1	Ca_kabuli_chr05	11516472	GG	AA	1940332158
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SNP_P1_95031_11535406	NC_021164.1	Ca_kabuli_chr05	11535406	GG	TT	1940332162
SNP_P1_95032_11535714	NC_021164.1	Ca_kabuli_chr05	11535714	GG	AA	1940332163
SNP_P1_95033_11535716	NC_021164.1	Ca_kabuli_chr05	11535716	TT	CC	1940332165
SNP_P1_95034_11552014	NC_021164.1	Ca_kabuli_chr05	11552014	TT	CC	1940332167
SNP_P1_95036_11582780	NC_021164.1	Ca_kabuli_chr05	11582780	GG	AA	1940332168
SNP_P1_95037_11582803	NC_021164.1	Ca_kabuli_chr05	11582803	AA	TT	1940332170
SNP_P1_95038_11582806	NC_021164.1	Ca_kabuli_chr05	11582806	GG	AA	1940332172
SNP_P1_95039_11582815	NC_021164.1	Ca_kabuli_chr05	11582815	TT	CC	1940332174
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SNP_P1_95043_11582926	NC_021164.1	Ca_kabuli_chr05	11582926	TT	AA	1940332179
SNP_P1_95044_11584419	NC_021164.1	Ca_kabuli_chr05	11584419	CC	GG	1940332180
SNP_P1_95045_11584487	NC_021164.1	Ca_kabuli_chr05	11584487	CC	TT	1940332182
SNP_P1_95046_11584531	NC_021164.1	Ca_kabuli_chr05	11584531	GG	AA	1940332184
SNP_P1_95047_11584534	NC_021164.1	Ca_kabuli_chr05	11584534	CC	TT	1940332186
SNP_P1_95049_11605069	NC_021164.1	Ca_kabuli_chr05	11605069	TT	AA	1940332187
SNP_P1_95050_11627829	NC_021164.1	Ca_kabuli_chr05	11627829	GG	TT	1940332189
SNP_P1_95052_11648799	NC_021164.1	Ca_kabuli_chr05	11648799	GG	AA	1940332191
SNP_P1_95053_11667517	NC_021164.1	Ca_kabuli_chr05	11667517	TT	CC	1940332192
SNP_P1_95054_11667531	NC_021164.1	Ca_kabuli_chr05	11667531	AA	GG	1940332194
SNP_P1_95055_11667532	NC_021164.1	Ca_kabuli_chr05	11667532	CC	TT	1940332196
SNP_P1_95056_11667549	NC_021164.1	Ca_kabuli_chr05	11667549	AA	CC	1940332197
SNP_P1_95057_11667561	NC_021164.1	Ca_kabuli_chr05	11667561	TT	CC	1940332199
SNP_P1_95058_11667573	NC_021164.1	Ca_kabuli_chr05	11667573	AA	GG	1940332201

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95060_11667594	NC_021164.1	Ca_kabuli_chr05	11667594	AA	GG	1940332204
SNP_P1_95061_11667615	NC_021164.1	Ca_kabuli_chr05	11667615	CC	AA	1940332206
SNP_P1_95062_11701826	NC_021164.1	Ca_kabuli_chr05	11701826	TT	GG	1940332208
SNP_P1_95063_11701832	NC_021164.1	Ca_kabuli_chr05	11701832	AA	TT	1940332209
SNP_P1_95064_11701850	NC_021164.1	Ca_kabuli_chr05	11701850	GG	CC	1940332211
SNP_P1_95065_11703777	NC_021164.1	Ca_kabuli_chr05	11703777	TT	GG	1940332213
SNP_P1_95066_11703790	NC_021164.1	Ca_kabuli_chr05	11703790	AA	GG	1940332215
SNP_P1_95067_11703849	NC_021164.1	Ca_kabuli_chr05	11703849	TT	AA	1940332216
SNP_P1_95068_11703852	NC_021164.1	Ca_kabuli_chr05	11703852	AA	GG	1940332218
SNP_P1_95069_11703872	NC_021164.1	Ca_kabuli_chr05	11703872	AA	GG	1940332220
SNP_P1_95070_11703923	NC_021164.1	Ca_kabuli_chr05	11703923	GG	AA	1940332221
SNP_P1_95071_11703947	NC_021164.1	Ca_kabuli_chr05	11703947	AA	TT	1940332223
SNP_P1_95072_11703953	NC_021164.1	Ca_kabuli_chr05	11703953	GG	TT	1940332225
SNP_P1_95073_11704218	NC_021164.1	Ca_kabuli_chr05	11704218	GG	AA	1940332226
SNP_P1_95074_11704219	NC_021164.1	Ca_kabuli_chr05	11704219	TT	GG	1940332228
SNP_P1_95075_11704287	NC_021164.1	Ca_kabuli_chr05	11704287	TT	CC	1940332230
SNP_P1_95076_11704294	NC_021164.1	Ca_kabuli_chr05	11704294	CC	TT	1940332232
SNP_P1_95077_11704315	NC_021164.1	Ca_kabuli_chr05	11704315	CC	TT	1940332233
SNP_P1_95078_11713305	NC_021164.1	Ca_kabuli_chr05	11713305	TT	GG	1940332235
SNP_P1_95079_11721060	NC_021164.1	Ca_kabuli_chr05	11721060	GG	AA	1940332237
SNP_P1_95080_11722038	NC_021164.1	Ca_kabuli_chr05	11722038	GG	AA	1940332238
SNP_P1_95081_11722285	NC_021164.1	Ca_kabuli_chr05	11722285	TT	AA	1940332240
SNP_P1_95082_11722474	NC_021164.1	Ca_kabuli_chr05	11722474	CC	TT	1940332242
SNP_P1_95083_11727515	NC_021164.1	Ca_kabuli_chr05	11727515	TT	GG	1940332244
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SNP_P1_95085_11729289	NC_021164.1	Ca_kabuli_chr05	11729289	CC	AA	1940332247
SNP_P1_95086_11729551	NC_021164.1	Ca_kabuli_chr05	11729551	AA	GG	1940332249
SNP_P1_95087_11729556	NC_021164.1	Ca_kabuli_chr05	11729556	AA	TT	1940332250
SNP_P1_95089_11729745	NC_021164.1	Ca_kabuli_chr05	11729745	AA	GG	1940332252
SNP_P1_95090_11729839	NC_021164.1	Ca_kabuli_chr05	11729839	AA	GG	1940332254
SNP_P1_95091_11730834	NC_021164.1	Ca_kabuli_chr05	11730834	CC	AA	1940332255
SNP_P1_95092_11730839	NC_021164.1	Ca_kabuli_chr05	11730839	CC	TT	1940332257
SNP_P1_95093_11740372	NC_021164.1	Ca_kabuli_chr05	11740372	AA	CC	1940332259
SNP_P1_95094_11742166	NC_021164.1	Ca_kabuli_chr05	11742166	AA	TT	1940332261
SNP_P1_95095_11748780	NC_021164.1	Ca_kabuli_chr05	11748780	GG	AA	1940332262
SNP_P1_95097_11762982	NC_021164.1	Ca_kabuli_chr05	11762982	AA	CC	1940332264
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SNP_P1_95099_11809881	NC_021164.1	Ca_kabuli_chr05	11809881	GG	CC	1940332267
SNP_P1_95100_11823064	NC_021164.1	Ca_kabuli_chr05	11823064	CC	GG	1940332269
SNP_P1_95101_11823098	NC_021164.1	Ca_kabuli_chr05	11823098	GG	AA	1940332271
SNP_P1_95102_11823317	NC_021164.1	Ca_kabuli_chr05	11823317	AA	GG	1940332273

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95105_11829850	NC_021164.1	Ca_kabuli_chr05	11829850	TT	CC	1940332278
SNP_P1_95106_11829899	NC_021164.1	Ca_kabuli_chr05	11829899	CC	TT	1940332279
SNP_P1_95107_11829965	NC_021164.1	Ca_kabuli_chr05	11829965	CC	AA	1940332281
SNP_P1_95108_11830140	NC_021164.1	Ca_kabuli_chr05	11830140	CC	AA	1940332283
SNP_P1_95109_11830148	NC_021164.1	Ca_kabuli_chr05	11830148	TT	AA	1940332284
SNP_P1_95110_11830155	NC_021164.1	Ca_kabuli_chr05	11830155	TT	CC	1940332286
SNP_P1_95111_11830263	NC_021164.1	Ca_kabuli_chr05	11830263	TT	CC	1940332288
SNP_P1_95112_11830284	NC_021164.1	Ca_kabuli_chr05	11830284	TT	GG	1940332290
SNP_P1_95116_11879333	NC_021164.1	Ca_kabuli_chr05	11879333	TT	CC	1940332291
SNP_P1_95118_11896209	NC_021164.1	Ca_kabuli_chr05	11896209	GG	CC	1940332293
SNP_P1_95119_11896221	NC_021164.1	Ca_kabuli_chr05	11896221	CC	TT	1940332295
SNP_P1_95120_11896232	NC_021164.1	Ca_kabuli_chr05	11896232	AA	GG	1940332296
SNP_P1_95121_11896534	NC_021164.1	Ca_kabuli_chr05	11896534	AA	GG	1940332298
SNP_P1_95122_11896543	NC_021164.1	Ca_kabuli_chr05	11896543	TT	CC	1940332300
SNP_P1_95123_11896626	NC_021164.1	Ca_kabuli_chr05	11896626	TT	CC	1940332302
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SNP_P1_95125_11913352	NC_021164.1	Ca_kabuli_chr05	11913352	TT	CC	1940332305
SNP_P1_95126_11913362	NC_021164.1	Ca_kabuli_chr05	11913362	TT	GG	1940332307
SNP_P1_95127_11913390	NC_021164.1	Ca_kabuli_chr05	11913390	AA	GG	1940332308
SNP_P1_95128_11913391	NC_021164.1	Ca_kabuli_chr05	11913391	GG	CC	1940332310
SNP_P1_95129_11913408	NC_021164.1	Ca_kabuli_chr05	11913408	CC	TT	1940332312
SNP_P1_95130_11913421	NC_021164.1	Ca_kabuli_chr05	11913421	AA	GG	1940332314
SNP_P1_95131_11927562	NC_021164.1	Ca_kabuli_chr05	11927562	CC	TT	1940332315
SNP_P1_95132_11927570	NC_021164.1	Ca_kabuli_chr05	11927570	TT	CC	1940332317
SNP_P1_95136_11982753	NC_021164.1	Ca_kabuli_chr05	11982753	TT	CC	1940332319
SNP_P1_95138_11985361	NC_021164.1	Ca_kabuli_chr05	11985361	GG	AA	1940332320
SNP_P1_95139_12004551	NC_021164.1	Ca_kabuli_chr05	12004551	TT	GG	1940332322
SNP_P1_95140_12004634	NC_021164.1	Ca_kabuli_chr05	12004634	AA	GG	1940332324
SNP_P1_95141_12004640	NC_021164.1	Ca_kabuli_chr05	12004640	AA	GG	1940332325
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SNP_P1_95144_12010468	NC_021164.1	Ca_kabuli_chr05	12010468	AA	GG	1940332331
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SNP_P1_95147_12010609	NC_021164.1	Ca_kabuli_chr05	12010609	GG	AA	1940332336
SNP_P1_95148_12025373	NC_021164.1	Ca_kabuli_chr05	12025373	GG	TT	1940332337
SNP_P1_95150_12079099	NC_021164.1	Ca_kabuli_chr05	12079099	GG	AA	1940332339
SNP_P1_95151_12091099	NC_021164.1	Ca_kabuli_chr05	12091099	AA	GG	1940332341
SNP_P1_95152_12091100	NC_021164.1	Ca_kabuli_chr05	12091100	CC	TT	1940332343
SNP_P1_95153_12091153	NC_021164.1	Ca_kabuli_chr05	12091153	GG	AA	1940332344

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95156_12093271	NC_021164.1	Ca_kabuli_chr05	12093271	AA	CC	1940332349
SNP_P1_95157_12093281	NC_021164.1	Ca_kabuli_chr05	12093281	TT	CC	1940332351
SNP_P1_95158_12093404	NC_021164.1	Ca_kabuli_chr05	12093404	TT	CC	1940332353
SNP_P1_95159_12093637	NC_021164.1	Ca_kabuli_chr05	12093637	TT	CC	1940332354
SNP_P1_95160_12093639	NC_021164.1	Ca_kabuli_chr05	12093639	GG	AA	1940332356
SNP_P1_95161_12093643	NC_021164.1	Ca_kabuli_chr05	12093643	TT	GG	1940332358
SNP_P1_95162_12093649	NC_021164.1	Ca_kabuli_chr05	12093649	AA	CC	1940332360
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SNP_P1_95164_12093746	NC_021164.1	Ca_kabuli_chr05	12093746	AA	CC	1940332363
SNP_P1_95165_12093747	NC_021164.1	Ca_kabuli_chr05	12093747	GG	AA	1940332365
SNP_P1_95166_12093764	NC_021164.1	Ca_kabuli_chr05	12093764	GG	TT	1940332366
SNP_P1_95167_12093793	NC_021164.1	Ca_kabuli_chr05	12093793	TT	CC	1940332368
SNP_P1_95168_12095764	NC_021164.1	Ca_kabuli_chr05	12095764	CC	TT	1940332370
SNP_P1_95169_12095768	NC_021164.1	Ca_kabuli_chr05	12095768	AA	GG	1940332372
SNP_P1_95170_12095769	NC_021164.1	Ca_kabuli_chr05	12095769	TT	CC	1940332373
SNP_P1_95171_12095796	NC_021164.1	Ca_kabuli_chr05	12095796	TT	CC	1940332375
SNP_P1_95172_12095936	NC_021164.1	Ca_kabuli_chr05	12095936	AA	GG	1940332377
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SNP_P1_95174_12101420	NC_021164.1	Ca_kabuli_chr05	12101420	AA	GG	1940332380
SNP_P1_95176_12106429	NC_021164.1	Ca_kabuli_chr05	12106429	AA	TT	1940332382
SNP_P1_95177_12146898	NC_021164.1	Ca_kabuli_chr05	12146898	AA	GG	1940332384
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SNP_P1_95179_12161660	NC_021164.1	Ca_kabuli_chr05	12161660	CC	TT	1940332387
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SNP_P1_95183_12161811	NC_021164.1	Ca_kabuli_chr05	12161811	GG	AA	1940332394
SNP_P1_95184_12161871	NC_021164.1	Ca_kabuli_chr05	12161871	AA	GG	1940332395
SNP_P1_95185_12161910	NC_021164.1	Ca_kabuli_chr05	12161910	GG	AA	1940332397
SNP_P1_95186_12161933	NC_021164.1	Ca_kabuli_chr05	12161933	CC	GG	1940332399
SNP_P1_95187_12165921	NC_021164.1	Ca_kabuli_chr05	12165921	AA	CC	1940332401
SNP_P1_95188_12165922	NC_021164.1	Ca_kabuli_chr05	12165922	GG	AA	1940332402
SNP_P1_95189_12165981	NC_021164.1	Ca_kabuli_chr05	12165981	TT	GG	1940332404
SNP_P1_95190_12177337	NC_021164.1	Ca_kabuli_chr05	12177337	GG	AA	1940332406
SNP_P1_95191_12177718	NC_021164.1	Ca_kabuli_chr05	12177718	AA	GG	1940332407
SNP_P1_95193_12210573	NC_021164.1	Ca_kabuli_chr05	12210573	AA	GG	1940332409
SNP_P1_95196_12258970	NC_021164.1	Ca_kabuli_chr05	12258970	GG	AA	1940332411
SNP_P1_95197_12270941	NC_021164.1	Ca_kabuli_chr05	12270941	GG	AA	1940332413
SNP_P1_95199_12272856	NC_021164.1	Ca_kabuli_chr05	12272856	AA	GG	1940332414
SNP_P1_95200_12272966	NC_021164.1	Ca_kabuli_chr05	12272966	TT	AA	1940332416

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95203_12273410	NC_021164.1	Ca_kabuli_chr05	12273410	TT	GG	1940332421
SNP_P1_95204_12282440	NC_021164.1	Ca_kabuli_chr05	12282440	TT	GG	1940332423
SNP_P1_95205_12282479	NC_021164.1	Ca_kabuli_chr05	12282479	CC	TT	1940332425
SNP_P1_95206_12283247	NC_021164.1	Ca_kabuli_chr05	12283247	TT	CC	1940332426
SNP_P1_95207_12283306	NC_021164.1	Ca_kabuli_chr05	12283306	AA	GG	1940332428
SNP_P1_95208_12283543	NC_021164.1	Ca_kabuli_chr05	12283543	TT	CC	1940332430
SNP_P1_95209_12283554	NC_021164.1	Ca_kabuli_chr05	12283554	CC	TT	1940332431
SNP_P1_95210_12283569	NC_021164.1	Ca_kabuli_chr05	12283569	AA	GG	1940332433
SNP_P1_95211_12283590	NC_021164.1	Ca_kabuli_chr05	12283590	GG	TT	1940332435
SNP_P1_95212_12283627	NC_021164.1	Ca_kabuli_chr05	12283627	TT	CC	1940332436
SNP_P1_95213_12292176	NC_021164.1	Ca_kabuli_chr05	12292176	CC	TT	1940332438
SNP_P1_95215_12292339	NC_021164.1	Ca_kabuli_chr05	12292339	TT	AA	1940332440
SNP_P1_95216_12292340	NC_021164.1	Ca_kabuli_chr05	12292340	TT	GG	1940332442
SNP_P1_95217_12292568	NC_021164.1	Ca_kabuli_chr05	12292568	GG	AA	1940332443
SNP_P1_95218_12302273	NC_021164.1	Ca_kabuli_chr05	12302273	TT	CC	1940332445
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SNP_P1_95220_12343097	NC_021164.1	Ca_kabuli_chr05	12343097	AA	CC	1940332448
SNP_P1_95221_12343114	NC_021164.1	Ca_kabuli_chr05	12343114	TT	CC	1940332450
SNP_P1_95222_12360493	NC_021164.1	Ca_kabuli_chr05	12360493	CC	TT	1940332452
SNP_P1_95223_12360829	NC_021164.1	Ca_kabuli_chr05	12360829	GG	AA	1940332454
SNP_P1_95224_12360912	NC_021164.1	Ca_kabuli_chr05	12360912	TT	GG	1940332455
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SNP_P1_95226_12361601	NC_021164.1	Ca_kabuli_chr05	12361601	AA	TT	1940332459
SNP_P1_95227_12365001	NC_021164.1	Ca_kabuli_chr05	12365001	AA	GG	1940332460
SNP_P1_95228_12365014	NC_021164.1	Ca_kabuli_chr05	12365014	TT	AA	1940332462
SNP_P1_95229_12365355	NC_021164.1	Ca_kabuli_chr05	12365355	GG	AA	1940332464
SNP_P1_95230_12365382	NC_021164.1	Ca_kabuli_chr05	12365382	GG	AA	1940332465
SNP_P1_95231_12365428	NC_021164.1	Ca_kabuli_chr05	12365428	TT	GG	1940332467
SNP_P1_95233_12412867	NC_021164.1	Ca_kabuli_chr05	12412867	GG	AA	1940332469
SNP_P1_95234_12442308	NC_021164.1	Ca_kabuli_chr05	12442308	AA	GG	1940332471
SNP_P1_95235_12442325	NC_021164.1	Ca_kabuli_chr05	12442325	AA	TT	1940332472
SNP_P1_95236_12442326	NC_021164.1	Ca_kabuli_chr05	12442326	AA	GG	1940332474
SNP_P1_95238_12459347	NC_021164.1	Ca_kabuli_chr05	12459347	AA	TT	1940332476
SNP_P1_95239_12459703	NC_021164.1	Ca_kabuli_chr05	12459703	TT	GG	1940332477
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SNP_P1_95241_12462022	NC_021164.1	Ca_kabuli_chr05	12462022	GG	AA	1940332481
SNP_P1_95242_12462023	NC_021164.1	Ca_kabuli_chr05	12462023	TT	CC	1940332483
SNP_P1_95243_12462034	NC_021164.1	Ca_kabuli_chr05	12462034	TT	CC	1940332484
SNP_P1_95244_12462036	NC_021164.1	Ca_kabuli_chr05	12462036	TT	AA	1940332486
SNP_P1_95246_12496390	NC_021164.1	Ca_kabuli_chr05	12496390	TT	GG	1940332488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95249_12511572	NC_021164.1	Ca_kabuli_chr05	12511572	GG	CC	1940332493
SNP_P1_95250_12514673	NC_021164.1	Ca_kabuli_chr05	12514673	CC	AA	1940332495
SNP_P1_95251_12514678	NC_021164.1	Ca_kabuli_chr05	12514678	GG	AA	1940332496
SNP_P1_95252_12532713	NC_021164.1	Ca_kabuli_chr05	12532713	AA	GG	1940332498
SNP_P1_95253_12532728	NC_021164.1	Ca_kabuli_chr05	12532728	GG	AA	1940332500
SNP_P1_95254_12532736	NC_021164.1	Ca_kabuli_chr05	12532736	CC	AA	1940332501
SNP_P1_95255_12532763	NC_021164.1	Ca_kabuli_chr05	12532763	AA	CC	1940332503
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SNP_P1_95257_12535216	NC_021164.1	Ca_kabuli_chr05	12535216	AA	GG	1940332506
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SNP_P1_95259_12580031	NC_021164.1	Ca_kabuli_chr05	12580031	AA	TT	1940332510
SNP_P1_95260_12588215	NC_021164.1	Ca_kabuli_chr05	12588215	CC	TT	1940332512
SNP_P1_95261_12588306	NC_021164.1	Ca_kabuli_chr05	12588306	GG	AA	1940332513
SNP_P1_95262_12588682	NC_021164.1	Ca_kabuli_chr05	12588682	AA	CC	1940332515
SNP_P1_95263_12590478	NC_021164.1	Ca_kabuli_chr05	12590478	TT	CC	1940332517
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SNP_P1_95265_12591170	NC_021164.1	Ca_kabuli_chr05	12591170	CC	GG	1940332520
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SNP_P1_95270_12627441	NC_021164.1	Ca_kabuli_chr05	12627441	CC	GG	1940332525
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SNP_P1_95292_12672943	NC_021164.1	Ca_kabuli_chr05	12672943	CC	TT	1940332558
SNP_P1_95293_12673242	NC_021164.1	Ca_kabuli_chr05	12673242	TT	CC	1940332559

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95298_13580166	NC_021164.1	Ca_kabuli_chr05	13580166	GG	AA	1940332568
SNP_P1_95299_13581488	NC_021164.1	Ca_kabuli_chr05	13581488	GG	AA	1940332570
SNP_P1_95300_13581705	NC_021164.1	Ca_kabuli_chr05	13581705	AA	GG	1940332571
SNP_P1_95301_13581723	NC_021164.1	Ca_kabuli_chr05	13581723	TT	CC	1940332573
SNP_P1_95302_13581726	NC_021164.1	Ca_kabuli_chr05	13581726	TT	CC	1940332575
SNP_P1_95303_13581775	NC_021164.1	Ca_kabuli_chr05	13581775	AA	GG	1940332576
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SNP_P1_95307_13593983	NC_021164.1	Ca_kabuli_chr05	13593983	TT	GG	1940332583
SNP_P1_95308_13596744	NC_021164.1	Ca_kabuli_chr05	13596744	GG	TT	1940332585
SNP_P1_95309_13596763	NC_021164.1	Ca_kabuli_chr05	13596763	GG	AA	1940332587
SNP_P1_95310_13602772	NC_021164.1	Ca_kabuli_chr05	13602772	CC	TT	1940332588
SNP_P1_95311_13603424	NC_021164.1	Ca_kabuli_chr05	13603424	CC	TT	1940332590
SNP_P1_95312_13610540	NC_021164.1	Ca_kabuli_chr05	13610540	GG	TT	1940332592
SNP_P1_95313_13610999	NC_021164.1	Ca_kabuli_chr05	13610999	AA	GG	1940332594
SNP_P1_95314_13611853	NC_021164.1	Ca_kabuli_chr05	13611853	AA	TT	1940332595
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SNP_P1_95316_13611971	NC_021164.1	Ca_kabuli_chr05	13611971	GG	AA	1940332599
SNP_P1_95317_13612084	NC_021164.1	Ca_kabuli_chr05	13612084	CC	GG	1940332600
SNP_P1_95318_13612107	NC_021164.1	Ca_kabuli_chr05	13612107	CC	TT	1940332602
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SNP_P1_95321_13612192	NC_021164.1	Ca_kabuli_chr05	13612192	GG	AA	1940332607
SNP_P1_95322_13612196	NC_021164.1	Ca_kabuli_chr05	13612196	GG	AA	1940332609
SNP_P1_95323_13612212	NC_021164.1	Ca_kabuli_chr05	13612212	TT	CC	1940332611
SNP_P1_95324_13612221	NC_021164.1	Ca_kabuli_chr05	13612221	AA	GG	1940332612
SNP_P1_95325_13612295	NC_021164.1	Ca_kabuli_chr05	13612295	CC	TT	1940332614
SNP_P1_95326_13612509	NC_021164.1	Ca_kabuli_chr05	13612509	TT	CC	1940332616
SNP_P1_95327_13616029	NC_021164.1	Ca_kabuli_chr05	13616029	CC	TT	1940332618
SNP_P1_95328_13619560	NC_021164.1	Ca_kabuli_chr05	13619560	AA	GG	1940332619
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SNP_P1_95330_13623501	NC_021164.1	Ca_kabuli_chr05	13623501	GG	CC	1940332623
SNP_P1_95331_13623728	NC_021164.1	Ca_kabuli_chr05	13623728	AA	TT	1940332624
SNP_P1_95332_13623833	NC_021164.1	Ca_kabuli_chr05	13623833	GG	AA	1940332626
SNP_P1_95333_13623877	NC_021164.1	Ca_kabuli_chr05	13623877	AA	GG	1940332628
SNP_P1_95334_13623898	NC_021164.1	Ca_kabuli_chr05	13623898	TT	GG	1940332629
SNP_P1_95335_13623978	NC_021164.1	Ca_kabuli_chr05	13623978	GG	AA	1940332631

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95337_13623989	NC_021164.1	Ca_kabuli_chr05	13623989	GG	CC	1940332635
SNP_P1_95338_13624047	NC_021164.1	Ca_kabuli_chr05	13624047	AA	GG	1940332636
SNP_P1_95339_13624077	NC_021164.1	Ca_kabuli_chr05	13624077	GG	AA	1940332638
SNP_P1_95340_13624087	NC_021164.1	Ca_kabuli_chr05	13624087	AA	GG	1940332640
SNP_P1_95341_13624275	NC_021164.1	Ca_kabuli_chr05	13624275	TT	CC	1940332641
SNP_P1_95342_13624305	NC_021164.1	Ca_kabuli_chr05	13624305	TT	CC	1940332643
SNP_P1_95343_13624307	NC_021164.1	Ca_kabuli_chr05	13624307	TT	AA	1940332645
SNP_P1_95344_13624331	NC_021164.1	Ca_kabuli_chr05	13624331	TT	AA	1940332647
SNP_P1_95345_13624388	NC_021164.1	Ca_kabuli_chr05	13624388	AA	GG	1940332648
SNP_P1_95346_13624587	NC_021164.1	Ca_kabuli_chr05	13624587	CC	GG	1940332650
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SNP_P1_95349_13627074	NC_021164.1	Ca_kabuli_chr05	13627074	TT	AA	1940332655
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SNP_P1_95351_13628512	NC_021164.1	Ca_kabuli_chr05	13628512	GG	TT	1940332659
SNP_P1_95352_13628536	NC_021164.1	Ca_kabuli_chr05	13628536	GG	TT	1940332660
SNP_P1_95353_13628571	NC_021164.1	Ca_kabuli_chr05	13628571	AA	GG	1940332662
SNP_P1_95354_13628593	NC_021164.1	Ca_kabuli_chr05	13628593	TT	GG	1940332664
SNP_P1_95355_13628598	NC_021164.1	Ca_kabuli_chr05	13628598	TT	CC	1940332665
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SNP_P1_95358_13628697	NC_021164.1	Ca_kabuli_chr05	13628697	TT	CC	1940332670
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SNP_P1_95365_13629051	NC_021164.1	Ca_kabuli_chr05	13629051	CC	GG	1940332682
SNP_P1_95366_13629066	NC_021164.1	Ca_kabuli_chr05	13629066	TT	AA	1940332684
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SNP_P1_95371_13636663	NC_021164.1	Ca_kabuli_chr05	13636663	TT	CC	1940332689
SNP_P1_95372_13636815	NC_021164.1	Ca_kabuli_chr05	13636815	TT	CC	1940332691
SNP_P1_95373_13636852	NC_021164.1	Ca_kabuli_chr05	13636852	AA	TT	1940332693
SNP_P1_95374_13636910	NC_021164.1	Ca_kabuli_chr05	13636910	CC	GG	1940332694
SNP_P1_95376_13637051	NC_021164.1	Ca_kabuli_chr05	13637051	AA	TT	1940332696
SNP_P1_95377_13637142	NC_021164.1	Ca_kabuli_chr05	13637142	AA	GG	1940332698
SNP_P1_95378_13637167	NC_021164.1	Ca_kabuli_chr05	13637167	AA	GG	1940332700
SNP_P1_95379_13650738	NC_021164.1	Ca_kabuli_chr05	13650738	TT	CC	1940332701
SNP_P1_95380_13650757	NC_021164.1	Ca_kabuli_chr05	13650757	TT	CC	1940332703

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95383_13650802	NC_021164.1	Ca_kabuli_chr05	13650802	CC	GG	1940332708
SNP_P1_95384_13650807	NC_021164.1	Ca_kabuli_chr05	13650807	CC	AA	1940332710
SNP_P1_95385_13651001	NC_021164.1	Ca_kabuli_chr05	13651001	CC	AA	1940332711
SNP_P1_95386_13651264	NC_021164.1	Ca_kabuli_chr05	13651264	AA	GG	1940332713
SNP_P1_95387_13651287	NC_021164.1	Ca_kabuli_chr05	13651287	GG	AA	1940332715
SNP_P1_95388_13651299	NC_021164.1	Ca_kabuli_chr05	13651299	AA	GG	1940332717
SNP_P1_95389_13663530	NC_021164.1	Ca_kabuli_chr05	13663530	TT	CC	1940332718
SNP_P1_95390_13665787	NC_021164.1	Ca_kabuli_chr05	13665787	CC	TT	1940332720
SNP_P1_95391_13670321	NC_021164.1	Ca_kabuli_chr05	13670321	TT	CC	1940332722
SNP_P1_95392_13675327	NC_021164.1	Ca_kabuli_chr05	13675327	CC	AA	1940332723
SNP_P1_95393_13675438	NC_021164.1	Ca_kabuli_chr05	13675438	GG	AA	1940332725
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SNP_P1_95396_13683442	NC_021164.1	Ca_kabuli_chr05	13683442	AA	TT	1940332730
SNP_P1_95397_13683448	NC_021164.1	Ca_kabuli_chr05	13683448	GG	CC	1940332732
SNP_P1_95398_13695669	NC_021164.1	Ca_kabuli_chr05	13695669	CC	TT	1940332734
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SNP_P1_95403_13696022	NC_021164.1	Ca_kabuli_chr05	13696022	CC	TT	1940332742
SNP_P1_95404_13712581	NC_021164.1	Ca_kabuli_chr05	13712581	CC	TT	1940332744
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SNP_P1_95411_13737116	NC_021164.1	Ca_kabuli_chr05	13737116	CC	TT	1940332753
SNP_P1_95412_13745042	NC_021164.1	Ca_kabuli_chr05	13745042	TT	GG	1940332754
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SNP_P1_95415_13812315	NC_021164.1	Ca_kabuli_chr05	13812315	TT	CC	1940332758
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SNP_P1_95418_13821979	NC_021164.1	Ca_kabuli_chr05	13821979	AA	TT	1940332763
SNP_P1_95419_13822002	NC_021164.1	Ca_kabuli_chr05	13822002	CC	TT	1940332764
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SNP_P1_95421_13822022	NC_021164.1	Ca_kabuli_chr05	13822022	TT	GG	1940332768
SNP_P1_95423_13823669	NC_021164.1	Ca_kabuli_chr05	13823669	TT	AA	1940332770
SNP_P1_95424_13823670	NC_021164.1	Ca_kabuli_chr05	13823670	TT	AA	1940332771
SNP_P1_95425_13823672	NC_021164.1	Ca_kabuli_chr05	13823672	AA	TT	1940332773
SNP_P1_95427_13834304	NC_021164.1	Ca_kabuli_chr05	13834304	CC	AA	1940332775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95431_13850015	NC_021164.1	Ca_kabuli_chr05	13850015	AA	GG	1940332780
SNP_P1_95432_13853517	NC_021164.1	Ca_kabuli_chr05	13853517	GG	CC	1940332782
SNP_P1_95433_13854089	NC_021164.1	Ca_kabuli_chr05	13854089	GG	AA	1940332783
SNP_P1_95434_13854126	NC_021164.1	Ca_kabuli_chr05	13854126	CC	TT	1940332785
SNP_P1_95435_13854131	NC_021164.1	Ca_kabuli_chr05	13854131	TT	CC	1940332787
SNP_P1_95436_13854137	NC_021164.1	Ca_kabuli_chr05	13854137	TT	CC	1940332788
SNP_P1_95437_13854140	NC_021164.1	Ca_kabuli_chr05	13854140	GG	AA	1940332790
SNP_P1_95438_13854216	NC_021164.1	Ca_kabuli_chr05	13854216	CC	TT	1940332792
SNP_P1_95439_13854362	NC_021164.1	Ca_kabuli_chr05	13854362	TT	CC	1940332794
SNP_P1_95440_13854383	NC_021164.1	Ca_kabuli_chr05	13854383	TT	CC	1940332795
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SNP_P1_95444_13854652	NC_021164.1	Ca_kabuli_chr05	13854652	GG	AA	1940332802
SNP_P1_95445_13854655	NC_021164.1	Ca_kabuli_chr05	13854655	TT	CC	1940332804
SNP_P1_95446_13854663	NC_021164.1	Ca_kabuli_chr05	13854663	TT	GG	1940332806
SNP_P1_95447_13854677	NC_021164.1	Ca_kabuli_chr05	13854677	CC	TT	1940332807
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SNP_P1_95457_13855459	NC_021164.1	Ca_kabuli_chr05	13855459	GG	AA	1940332824
SNP_P1_95458_13855484	NC_021164.1	Ca_kabuli_chr05	13855484	AA	GG	1940332826
SNP_P1_95459_13855569	NC_021164.1	Ca_kabuli_chr05	13855569	TT	AA	1940332828
SNP_P1_95460_13855650	NC_021164.1	Ca_kabuli_chr05	13855650	TT	CC	1940332829
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SNP_P1_95466_13855841	NC_021164.1	Ca_kabuli_chr05	13855841	GG	AA	1940332838
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SNP_P1_95468_13856002	NC_021164.1	Ca_kabuli_chr05	13856002	GG	TT	1940332841
SNP_P1_95469_13856038	NC_021164.1	Ca_kabuli_chr05	13856038	TT	GG	1940332843
SNP_P1_95470_13856113	NC_021164.1	Ca_kabuli_chr05	13856113	AA	GG	1940332845
SNP_P1_95471_13856199	NC_021164.1	Ca_kabuli_chr05	13856199	AA	GG	1940332847

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95474_13856231	NC_021164.1	Ca_kabuli_chr05	13856231	AA	GG	1940332852
SNP_P1_95475_13856307	NC_021164.1	Ca_kabuli_chr05	13856307	TT	CC	1940332853
SNP_P1_95476_13858135	NC_021164.1	Ca_kabuli_chr05	13858135	TT	CC	1940332855
SNP_P1_95477_13858149	NC_021164.1	Ca_kabuli_chr05	13858149	GG	AA	1940332857
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SNP_P1_95484_13859232	NC_021164.1	Ca_kabuli_chr05	13859232	AA	TT	1940332867
SNP_P1_95485_13871740	NC_021164.1	Ca_kabuli_chr05	13871740	TT	CC	1940332869
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SNP_P1_95487_13888013	NC_021164.1	Ca_kabuli_chr05	13888013	CC	TT	1940332872
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SNP_P1_95489_13892575	NC_021164.1	Ca_kabuli_chr05	13892575	AA	GG	1940332876
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SNP_P1_95494_13892670	NC_021164.1	Ca_kabuli_chr05	13892670	CC	TT	1940332884
SNP_P1_95495_13892679	NC_021164.1	Ca_kabuli_chr05	13892679	CC	TT	1940332886
SNP_P1_95496_13892699	NC_021164.1	Ca_kabuli_chr05	13892699	AA	GG	1940332888
SNP_P1_95497_13892711	NC_021164.1	Ca_kabuli_chr05	13892711	AA	GG	1940332889
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SNP_P1_95500_13893013	NC_021164.1	Ca_kabuli_chr05	13893013	TT	CC	1940332894
SNP_P1_95501_13893036	NC_021164.1	Ca_kabuli_chr05	13893036	TT	CC	1940332896
SNP_P1_95502_13893112	NC_021164.1	Ca_kabuli_chr05	13893112	GG	AA	1940332898
SNP_P1_95503_13893148	NC_021164.1	Ca_kabuli_chr05	13893148	TT	GG	1940332900
SNP_P1_95504_13893161	NC_021164.1	Ca_kabuli_chr05	13893161	AA	CC	1940332901
SNP_P1_95505_13893173	NC_021164.1	Ca_kabuli_chr05	13893173	TT	CC	1940332903
SNP_P1_95506_13893206	NC_021164.1	Ca_kabuli_chr05	13893206	TT	CC	1940332905
SNP_P1_95507_13918284	NC_021164.1	Ca_kabuli_chr05	13918284	TT	AA	1940332906
SNP_P1_95508_13936232	NC_021164.1	Ca_kabuli_chr05	13936232	AA	CC	1940332908
SNP_P1_95509_13936250	NC_021164.1	Ca_kabuli_chr05	13936250	AA	GG	1940332910
SNP_P1_95510_13936923	NC_021164.1	Ca_kabuli_chr05	13936923	GG	AA	1940332912
SNP_P1_95511_13939251	NC_021164.1	Ca_kabuli_chr05	13939251	GG	CC	1940332913
SNP_P1_95512_13939270	NC_021164.1	Ca_kabuli_chr05	13939270	AA	GG	1940332915
SNP_P1_95513_13939286	NC_021164.1	Ca_kabuli_chr05	13939286	CC	TT	1940332917
SNP_P1_95514_13939394	NC_021164.1	Ca_kabuli_chr05	13939394	GG	TT	1940332918

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95516_13939442	NC_021164.1	Ca_kabuli_chr05	13939442	AA	GG	1940332922
SNP_P1_95517_13939465	NC_021164.1	Ca_kabuli_chr05	13939465	AA	CC	1940332923
SNP_P1_95518_13940787	NC_021164.1	Ca_kabuli_chr05	13940787	GG	AA	1940332925
SNP_P1_95519_13964519	NC_021164.1	Ca_kabuli_chr05	13964519	GG	AA	1940332927
SNP_P1_95522_13971986	NC_021164.1	Ca_kabuli_chr05	13971986	CC	AA	1940332929
SNP_P1_95523_13971994	NC_021164.1	Ca_kabuli_chr05	13971994	TT	CC	1940332930
SNP_P1_95524_13972029	NC_021164.1	Ca_kabuli_chr05	13972029	TT	CC	1940332932
SNP_P1_95525_13972686	NC_021164.1	Ca_kabuli_chr05	13972686	AA	GG	1940332934
SNP_P1_95526_13980494	NC_021164.1	Ca_kabuli_chr05	13980494	GG	AA	1940332935
SNP_P1_95527_14000312	NC_021164.1	Ca_kabuli_chr05	14000312	AA	GG	1940332937
SNP_P1_95528_14000670	NC_021164.1	Ca_kabuli_chr05	14000670	GG	TT	1940332939
SNP_P1_95529_14000726	NC_021164.1	Ca_kabuli_chr05	14000726	GG	AA	1940332941
SNP_P1_95530_14004922	NC_021164.1	Ca_kabuli_chr05	14004922	CC	TT	1940332942
SNP_P1_95531_14018190	NC_021164.1	Ca_kabuli_chr05	14018190	AA	GG	1940332944
SNP_P1_95532_14018512	NC_021164.1	Ca_kabuli_chr05	14018512	TT	CC	1940332946
SNP_P1_95533_14018552	NC_021164.1	Ca_kabuli_chr05	14018552	TT	GG	1940332947
SNP_P1_95534_14020378	NC_021164.1	Ca_kabuli_chr05	14020378	AA	GG	1940332949
SNP_P1_95536_14022512	NC_021164.1	Ca_kabuli_chr05	14022512	AA	TT	1940332951
SNP_P1_95537_14022577	NC_021164.1	Ca_kabuli_chr05	14022577	TT	CC	1940332953
SNP_P1_95538_14022688	NC_021164.1	Ca_kabuli_chr05	14022688	GG	AA	1940332954
SNP_P1_95539_14022690	NC_021164.1	Ca_kabuli_chr05	14022690	TT	CC	1940332956
SNP_P1_95541_14022846	NC_021164.1	Ca_kabuli_chr05	14022846	AA	GG	1940332958
SNP_P1_95542_14022857	NC_021164.1	Ca_kabuli_chr05	14022857	GG	CC	1940332959
SNP_P1_95543_14022863	NC_021164.1	Ca_kabuli_chr05	14022863	AA	GG	1940332961
SNP_P1_95544_14022888	NC_021164.1	Ca_kabuli_chr05	14022888	TT	CC	1940332963
SNP_P1_95545_14022906	NC_021164.1	Ca_kabuli_chr05	14022906	AA	GG	1940332964
SNP_P1_95546_14025420	NC_021164.1	Ca_kabuli_chr05	14025420	TT	CC	1940332966
SNP_P1_95547_14025598	NC_021164.1	Ca_kabuli_chr05	14025598	GG	AA	1940332968
SNP_P1_95548_14025619	NC_021164.1	Ca_kabuli_chr05	14025619	CC	TT	1940332970
SNP_P1_95549_14026027	NC_021164.1	Ca_kabuli_chr05	14026027	CC	TT	1940332971
SNP_P1_95550_14026029	NC_021164.1	Ca_kabuli_chr05	14026029	CC	TT	1940332973
SNP_P1_95551_14031276	NC_021164.1	Ca_kabuli_chr05	14031276	CC	TT	1940332975
SNP_P1_95552_14031286	NC_021164.1	Ca_kabuli_chr05	14031286	AA	TT	1940332976
SNP_P1_95553_14042731	NC_021164.1	Ca_kabuli_chr05	14042731	CC	TT	1940332978
SNP_P1_95554_14058216	NC_021164.1	Ca_kabuli_chr05	14058216	AA	TT	1940332980
SNP_P1_95555_14058218	NC_021164.1	Ca_kabuli_chr05	14058218	AA	GG	1940332982
SNP_P1_95556_14058224	NC_021164.1	Ca_kabuli_chr05	14058224	CC	TT	1940332983
SNP_P1_95557_14058233	NC_021164.1	Ca_kabuli_chr05	14058233	CC	TT	1940332985
SNP_P1_95558_14058275	NC_021164.1	Ca_kabuli_chr05	14058275	TT	AA	1940332987
SNP_P1_95559_14058299	NC_021164.1	Ca_kabuli_chr05	14058299	TT	CC	1940332988
SNP_P1_95560_14058315	NC_021164.1	Ca_kabuli_chr05	14058315	CC	TT	1940332990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95562_14058360	NC_021164.1	Ca_kabuli_chr05	14058360	GG	AA	1940332994
SNP_P1_95563_14058363	NC_021164.1	Ca_kabuli_chr05	14058363	TT	CC	1940332995
SNP_P1_95564_14058380	NC_021164.1	Ca_kabuli_chr05	14058380	TT	AA	1940332997
SNP_P1_95565_14058384	NC_021164.1	Ca_kabuli_chr05	14058384	CC	AA	1940332999
SNP_P1_95566_14058395	NC_021164.1	Ca_kabuli_chr05	14058395	TT	CC	1940333000
SNP_P1_95567_14058398	NC_021164.1	Ca_kabuli_chr05	14058398	CC	TT	1940333002
SNP_P1_95568_14058557	NC_021164.1	Ca_kabuli_chr05	14058557	CC	AA	1940333004
SNP_P1_95569_14058633	NC_021164.1	Ca_kabuli_chr05	14058633	AA	GG	1940333005
SNP_P1_95570_14059159	NC_021164.1	Ca_kabuli_chr05	14059159	TT	GG	1940333007
SNP_P1_95572_14094766	NC_021164.1	Ca_kabuli_chr05	14094766	AA	GG	1940333009
SNP_P1_95573_14115827	NC_021164.1	Ca_kabuli_chr05	14115827	TT	AA	1940333011
SNP_P1_95574_14115845	NC_021164.1	Ca_kabuli_chr05	14115845	AA	GG	1940333012
SNP_P1_95575_14120291	NC_021164.1	Ca_kabuli_chr05	14120291	AA	CC	1940333014
SNP_P1_95576_14120300	NC_021164.1	Ca_kabuli_chr05	14120300	CC	AA	1940333016
SNP_P1_95577_14125112	NC_021164.1	Ca_kabuli_chr05	14125112	AA	GG	1940333017
SNP_P1_95579_14190325	NC_021164.1	Ca_kabuli_chr05	14190325	AA	CC	1940333019
SNP_P1_95580_14194808	NC_021164.1	Ca_kabuli_chr05	14194808	AA	GG	1940333021
SNP_P1_95581_14208999	NC_021164.1	Ca_kabuli_chr05	14208999	AA	CC	1940333023
SNP_P1_95582_14211710	NC_021164.1	Ca_kabuli_chr05	14211710	TT	GG	1940333024
SNP_P1_95584_14229276	NC_021164.1	Ca_kabuli_chr05	14229276	GG	AA	1940333026
SNP_P1_95585_14229329	NC_021164.1	Ca_kabuli_chr05	14229329	GG	AA	1940333028
SNP_P1_95586_14229363	NC_021164.1	Ca_kabuli_chr05	14229363	GG	TT	1940333029
SNP_P1_95587_14229379	NC_021164.1	Ca_kabuli_chr05	14229379	CC	TT	1940333031
SNP_P1_95588_14229740	NC_021164.1	Ca_kabuli_chr05	14229740	TT	CC	1940333033
SNP_P1_95590_14272964	NC_021164.1	Ca_kabuli_chr05	14272964	GG	AA	1940333035
SNP_P1_95591_14273342	NC_021164.1	Ca_kabuli_chr05	14273342	CC	TT	1940333036
SNP_P1_95592_14273343	NC_021164.1	Ca_kabuli_chr05	14273343	AA	GG	1940333038
SNP_P1_95593_14273411	NC_021164.1	Ca_kabuli_chr05	14273411	TT	CC	1940333040
SNP_P1_95595_14326450	NC_021164.1	Ca_kabuli_chr05	14326450	CC	GG	1940333041
SNP_P1_95597_14335528	NC_021164.1	Ca_kabuli_chr05	14335528	GG	TT	1940333043
SNP_P1_95598_14336764	NC_021164.1	Ca_kabuli_chr05	14336764	TT	AA	1940333045
SNP_P1_95599_14339530	NC_021164.1	Ca_kabuli_chr05	14339530	AA	GG	1940333047
SNP_P1_95600_14339533	NC_021164.1	Ca_kabuli_chr05	14339533	TT	GG	1940333048
SNP_P1_95602_14363663	NC_021164.1	Ca_kabuli_chr05	14363663	GG	AA	1940333050
SNP_P1_95603_14365035	NC_021164.1	Ca_kabuli_chr05	14365035	AA	GG	1940333052
SNP_P1_95604_14365036	NC_021164.1	Ca_kabuli_chr05	14365036	AA	GG	1940333053
SNP_P1_95605_14371475	NC_021164.1	Ca_kabuli_chr05	14371475	CC	TT	1940333055
SNP_P1_95606_14390596	NC_021164.1	Ca_kabuli_chr05	14390596	CC	AA	1940333057
SNP_P1_95607_14390600	NC_021164.1	Ca_kabuli_chr05	14390600	CC	TT	1940333058
SNP_P1_95608_14390605	NC_021164.1	Ca_kabuli_chr05	14390605	TT	CC	1940333060
SNP_P1_95609_14394055	NC_021164.1	Ca_kabuli_chr05	14394055	TT	CC	1940333062

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95611_14394741	NC_021164.1	Ca_kabuli_chr05	14394741	CC	TT	1940333065
SNP_P1_95612_14394802	NC_021164.1	Ca_kabuli_chr05	14394802	CC	GG	1940333067
SNP_P1_95614_14395026	NC_021164.1	Ca_kabuli_chr05	14395026	TT	CC	1940333069
SNP_P1_95615_14395028	NC_021164.1	Ca_kabuli_chr05	14395028	TT	CC	1940333071
SNP_P1_95616_14395043	NC_021164.1	Ca_kabuli_chr05	14395043	AA	CC	1940333072
SNP_P1_95617_14395103	NC_021164.1	Ca_kabuli_chr05	14395103	CC	TT	1940333074
SNP_P1_95618_14395108	NC_021164.1	Ca_kabuli_chr05	14395108	AA	CC	1940333076
SNP_P1_95619_14395132	NC_021164.1	Ca_kabuli_chr05	14395132	TT	CC	1940333077
SNP_P1_95620_14395139	NC_021164.1	Ca_kabuli_chr05	14395139	TT	CC	1940333079
SNP_P1_95621_14395272	NC_021164.1	Ca_kabuli_chr05	14395272	TT	CC	1940333081
SNP_P1_95622_14395286	NC_021164.1	Ca_kabuli_chr05	14395286	CC	TT	1940333082
SNP_P1_95623_14395299	NC_021164.1	Ca_kabuli_chr05	14395299	GG	TT	1940333084
SNP_P1_95624_14395319	NC_021164.1	Ca_kabuli_chr05	14395319	AA	GG	1940333086
SNP_P1_95625_14395322	NC_021164.1	Ca_kabuli_chr05	14395322	AA	GG	1940333088
SNP_P1_95626_14395347	NC_021164.1	Ca_kabuli_chr05	14395347	AA	TT	1940333089
SNP_P1_95627_14395372	NC_021164.1	Ca_kabuli_chr05	14395372	CC	GG	1940333091
SNP_P1_95628_14395501	NC_021164.1	Ca_kabuli_chr05	14395501	TT	AA	1940333093
SNP_P1_95629_14395506	NC_021164.1	Ca_kabuli_chr05	14395506	AA	GG	1940333094
SNP_P1_95630_14395531	NC_021164.1	Ca_kabuli_chr05	14395531	AA	GG	1940333096
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SNP_P1_95634_15116182	NC_021164.1	Ca_kabuli_chr05	15116182	AA	GG	1940333101
SNP_P1_95635_15126573	NC_021164.1	Ca_kabuli_chr05	15126573	TT	AA	1940333103
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SNP_P1_95637_15132122	NC_021164.1	Ca_kabuli_chr05	15132122	TT	CC	1940333106
SNP_P1_95638_15155556	NC_021164.1	Ca_kabuli_chr05	15155556	TT	GG	1940333108
SNP_P1_95639_15158049	NC_021164.1	Ca_kabuli_chr05	15158049	GG	TT	1940333110
SNP_P1_95640_15158091	NC_021164.1	Ca_kabuli_chr05	15158091	AA	TT	1940333112
SNP_P1_95641_15159974	NC_021164.1	Ca_kabuli_chr05	15159974	GG	AA	1940333113
SNP_P1_95642_15162884	NC_021164.1	Ca_kabuli_chr05	15162884	GG	AA	1940333115
SNP_P1_95643_15166226	NC_021164.1	Ca_kabuli_chr05	15166226	CC	AA	1940333117
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SNP_P1_95645_15166327	NC_021164.1	Ca_kabuli_chr05	15166327	TT	CC	1940333120
SNP_P1_95646_15166359	NC_021164.1	Ca_kabuli_chr05	15166359	TT	CC	1940333122
SNP_P1_95647_15166405	NC_021164.1	Ca_kabuli_chr05	15166405	GG	AA	1940333124
SNP_P1_95648_15166422	NC_021164.1	Ca_kabuli_chr05	15166422	GG	AA	1940333125
SNP_P1_95649_15166439	NC_021164.1	Ca_kabuli_chr05	15166439	AA	GG	1940333127
SNP_P1_95650_15166440	NC_021164.1	Ca_kabuli_chr05	15166440	TT	CC	1940333129
SNP_P1_95651_15166456	NC_021164.1	Ca_kabuli_chr05	15166456	CC	AA	1940333130
SNP_P1_95652_15166612	NC_021164.1	Ca_kabuli_chr05	15166612	TT	CC	1940333132
SNP_P1_95653_15166626	NC_021164.1	Ca_kabuli_chr05	15166626	AA	CC	1940333134

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95656_15166823	NC_021164.1	Ca_kabuli_chr05	15166823	AA	GG	1940333139
SNP_P1_95657_15169997	NC_021164.1	Ca_kabuli_chr05	15169997	CC	TT	1940333141
SNP_P1_95658_15170385	NC_021164.1	Ca_kabuli_chr05	15170385	AA	GG	1940333142
SNP_P1_95659_15170912	NC_021164.1	Ca_kabuli_chr05	15170912	GG	AA	1940333144
SNP_P1_95660_15171026	NC_021164.1	Ca_kabuli_chr05	15171026	TT	CC	1940333146
SNP_P1_95661_15171059	NC_021164.1	Ca_kabuli_chr05	15171059	AA	GG	1940333148
SNP_P1_95662_15171060	NC_021164.1	Ca_kabuli_chr05	15171060	GG	AA	1940333149
SNP_P1_95663_15171095	NC_021164.1	Ca_kabuli_chr05	15171095	TT	CC	1940333151
SNP_P1_95667_15199085	NC_021164.1	Ca_kabuli_chr05	15199085	CC	TT	1940333153
SNP_P1_95668_15199091	NC_021164.1	Ca_kabuli_chr05	15199091	GG	AA	1940333154
SNP_P1_95669_15199155	NC_021164.1	Ca_kabuli_chr05	15199155	AA	TT	1940333156
SNP_P1_95670_15199156	NC_021164.1	Ca_kabuli_chr05	15199156	GG	AA	1940333158
SNP_P1_95671_15203402	NC_021164.1	Ca_kabuli_chr05	15203402	TT	GG	1940333160
SNP_P1_95672_15203452	NC_021164.1	Ca_kabuli_chr05	15203452	AA	TT	1940333161
SNP_P1_95673_15205005	NC_021164.1	Ca_kabuli_chr05	15205005	TT	CC	1940333163
SNP_P1_95674_15205030	NC_021164.1	Ca_kabuli_chr05	15205030	AA	GG	1940333165
SNP_P1_95675_15205033	NC_021164.1	Ca_kabuli_chr05	15205033	AA	CC	1940333166
SNP_P1_95676_15205070	NC_021164.1	Ca_kabuli_chr05	15205070	AA	GG	1940333168
SNP_P1_95677_15205076	NC_021164.1	Ca_kabuli_chr05	15205076	GG	TT	1940333170
SNP_P1_95678_15205145	NC_021164.1	Ca_kabuli_chr05	15205145	GG	AA	1940333171
SNP_P1_95679_15205166	NC_021164.1	Ca_kabuli_chr05	15205166	CC	AA	1940333173
SNP_P1_95680_15205180	NC_021164.1	Ca_kabuli_chr05	15205180	CC	TT	1940333175
SNP_P1_95681_15205215	NC_021164.1	Ca_kabuli_chr05	15205215	GG	TT	1940333177
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SNP_P1_95687_15205736	NC_021164.1	Ca_kabuli_chr05	15205736	TT	GG	1940333187
SNP_P1_95688_15205767	NC_021164.1	Ca_kabuli_chr05	15205767	GG	TT	1940333189
SNP_P1_95690_15221097	NC_021164.1	Ca_kabuli_chr05	15221097	TT	GG	1940333190
SNP_P1_95691_15232671	NC_021164.1	Ca_kabuli_chr05	15232671	CC	AA	1940333192
SNP_P1_95692_15239937	NC_021164.1	Ca_kabuli_chr05	15239937	CC	TT	1940333194
SNP_P1_95693_15241564	NC_021164.1	Ca_kabuli_chr05	15241564	AA	TT	1940333195
SNP_P1_95695_15269857	NC_021164.1	Ca_kabuli_chr05	15269857	GG	AA	1940333197
SNP_P1_95696_15273386	NC_021164.1	Ca_kabuli_chr05	15273386	CC	AA	1940333199
SNP_P1_95697_15321657	NC_021164.1	Ca_kabuli_chr05	15321657	TT	AA	1940333201
SNP_P1_95698_15331504	NC_021164.1	Ca_kabuli_chr05	15331504	CC	TT	1940333202
SNP_P1_95699_15331513	NC_021164.1	Ca_kabuli_chr05	15331513	CC	TT	1940333204
SNP_P1_95702_15354052	NC_021164.1	Ca_kabuli_chr05	15354052	AA	TT	1940333206

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_95703_15354054	NC_021164.1	Ca_kabuli_chr05	15354054	TT	AA	1940333207
SNP_P1_95704_15357271	NC_021164.1	Ca_kabuli_chr05	15357271	TT	CC	1940333209
SNP_P1_95706_15359573	NC_021164.1	Ca_kabuli_chr05	15359573	TT	CC	1940333211
SNP_P1_95707_15359589	NC_021164.1	Ca_kabuli_chr05	15359589	TT	CC	1940333213
SNP_P1_95708_15362485	NC_021164.1	Ca_kabuli_chr05	15362485	TT	AA	1940333214
SNP_P1_95709_15362508	NC_021164.1	Ca_kabuli_chr05	15362508	GG	AA	1940333216
SNP_P1_95710_15362529	NC_021164.1	Ca_kabuli_chr05	15362529	GG	AA	1940333218
SNP_P1_95711_15362628	NC_021164.1	Ca_kabuli_chr05	15362628	CC	TT	1940333219
SNP_P1_95712_15362655	NC_021164.1	Ca_kabuli_chr05	15362655	TT	CC	1940333221
SNP_P1_95713_15363023	NC_021164.1	Ca_kabuli_chr05	15363023	CC	TT	1940333223
SNP_P1_95714_15363029	NC_021164.1	Ca_kabuli_chr05	15363029	CC	TT	1940333225
SNP_P1_95715_15363031	NC_021164.1	Ca_kabuli_chr05	15363031	TT	CC	1940333226
SNP_P1_95716_15380019	NC_021164.1	Ca_kabuli_chr05	15380019	TT	AA	1940333228
SNP_P1_95717_15381577	NC_021164.1	Ca_kabuli_chr05	15381577	GG	AA	1940333230
SNP_P1_95718_15390750	NC_021164.1	Ca_kabuli_chr05	15390750	TT	CC	1940333231
SNP_P1_95719_15392341	NC_021164.1	Ca_kabuli_chr05	15392341	CC	TT	1940333233
SNP_P1_95720_15408665	NC_021164.1	Ca_kabuli_chr05	15408665	TT	GG	1940333235
SNP_P1_95721_15415022	NC_021164.1	Ca_kabuli_chr05	15415022	AA	TT	1940333237
SNP_P1_95722_15417067	NC_021164.1	Ca_kabuli_chr05	15417067	TT	CC	1940333238
SNP_P1_95723_15417175	NC_021164.1	Ca_kabuli_chr05	15417175	GG	TT	1940333240
SNP_P1_95724_15417177	NC_021164.1	Ca_kabuli_chr05	15417177	AA	GG	1940333242
SNP_P1_95725_15417246	NC_021164.1	Ca_kabuli_chr05	15417246	CC	GG	1940333243
SNP_P1_95726_15417248	NC_021164.1	Ca_kabuli_chr05	15417248	GG	TT	1940333245
SNP_P1_95727_15417251	NC_021164.1	Ca_kabuli_chr05	15417251	AA	CC	1940333247
SNP_P1_95728_15417266	NC_021164.1	Ca_kabuli_chr05	15417266	TT	CC	1940333249
SNP_P1_95729_15417274	NC_021164.1	Ca_kabuli_chr05	15417274	CC	GG	1940333250
SNP_P1_95730_15417286	NC_021164.1	Ca_kabuli_chr05	15417286	TT	CC	1940333252
SNP_P1_95731_15417313	NC_021164.1	Ca_kabuli_chr05	15417313	GG	AA	1940333254
SNP_P1_95732_15417315	NC_021164.1	Ca_kabuli_chr05	15417315	TT	AA	1940333255
SNP_P1_95733_15417317	NC_021164.1	Ca_kabuli_chr05	15417317	TT	CC	1940333257
SNP_P1_95734_15417363	NC_021164.1	Ca_kabuli_chr05	15417363	TT	CC	1940333259
SNP_P1_95735_15417396	NC_021164.1	Ca_kabuli_chr05	15417396	AA	TT	1940333260
SNP_P1_95736_15417397	NC_021164.1	Ca_kabuli_chr05	15417397	CC	TT	1940333262
SNP_P1_95737_15417398	NC_021164.1	Ca_kabuli_chr05	15417398	AA	TT	1940333264
SNP_P1_95738_15417544	NC_021164.1	Ca_kabuli_chr05	15417544	CC	TT	1940333266
SNP_P1_95739_15417550	NC_021164.1	Ca_kabuli_chr05	15417550	AA	GG	1940333267
SNP_P1_95740_15417605	NC_021164.1	Ca_kabuli_chr05	15417605	TT	GG	1940333269
SNP_P1_95741_15417608	NC_021164.1	Ca_kabuli_chr05	15417608	CC	AA	1940333271
SNP_P1_95742_15417626	NC_021164.1	Ca_kabuli_chr05	15417626	AA	GG	1940333272
SNP_P1_95743_15417723	NC_021164.1	Ca_kabuli_chr05	15417723	GG	AA	1940333274
SNP_P1_95744_15417740	NC_021164.1	Ca_kabuli_chr05	15417740	CC	TT	1940333276
SNP_P1_95745_15417752	NC_021164.1	Ca_kabuli_chr05	15417752	GG	AA	1940333278

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95747_15417813	NC_021164.1	Ca_kabuli_chr05	15417813	AA	GG	1940333281
SNP_P1_95748_15417822	NC_021164.1	Ca_kabuli_chr05	15417822	GG	AA	1940333283
SNP_P1_95749_15417839	NC_021164.1	Ca_kabuli_chr05	15417839	AA	GG	1940333284
SNP_P1_95750_15417856	NC_021164.1	Ca_kabuli_chr05	15417856	CC	AA	1940333286
SNP_P1_95751_15421930	NC_021164.1	Ca_kabuli_chr05	15421930	TT	CC	1940333288
SNP_P1_95752_15424446	NC_021164.1	Ca_kabuli_chr05	15424446	TT	CC	1940333290
SNP_P1_95753_15424560	NC_021164.1	Ca_kabuli_chr05	15424560	CC	TT	1940333291
SNP_P1_95754_15424561	NC_021164.1	Ca_kabuli_chr05	15424561	AA	GG	1940333293
SNP_P1_95755_15424586	NC_021164.1	Ca_kabuli_chr05	15424586	GG	CC	1940333295
SNP_P1_95756_15424626	NC_021164.1	Ca_kabuli_chr05	15424626	AA	GG	1940333296
SNP_P1_95757_15424649	NC_021164.1	Ca_kabuli_chr05	15424649	AA	GG	1940333298
SNP_P1_95758_15424705	NC_021164.1	Ca_kabuli_chr05	15424705	TT	GG	1940333300
SNP_P1_95759_15424974	NC_021164.1	Ca_kabuli_chr05	15424974	AA	GG	1940333302
SNP_P1_95760_15424997	NC_021164.1	Ca_kabuli_chr05	15424997	CC	AA	1940333303
SNP_P1_95761_15439671	NC_021164.1	Ca_kabuli_chr05	15439671	CC	TT	1940333305
SNP_P1_95762_15444218	NC_021164.1	Ca_kabuli_chr05	15444218	GG	AA	1940333307
SNP_P1_95763_15448081	NC_021164.1	Ca_kabuli_chr05	15448081	CC	TT	1940333308
SNP_P1_95764_15448085	NC_021164.1	Ca_kabuli_chr05	15448085	CC	TT	1940333310
SNP_P1_95765_15448119	NC_021164.1	Ca_kabuli_chr05	15448119	AA	GG	1940333312
SNP_P1_95766_15448131	NC_021164.1	Ca_kabuli_chr05	15448131	GG	AA	1940333313
SNP_P1_95767_15448328	NC_021164.1	Ca_kabuli_chr05	15448328	GG	AA	1940333315
SNP_P1_95768_15448479	NC_021164.1	Ca_kabuli_chr05	15448479	AA	GG	1940333317
SNP_P1_95769_15482482	NC_021164.1	Ca_kabuli_chr05	15482482	GG	AA	1940333319
SNP_P1_95770_15488126	NC_021164.1	Ca_kabuli_chr05	15488126	TT	AA	1940333320
SNP_P1_95771_15488849	NC_021164.1	Ca_kabuli_chr05	15488849	TT	GG	1940333322
SNP_P1_95772_15488855	NC_021164.1	Ca_kabuli_chr05	15488855	AA	GG	1940333324
SNP_P1_95773_15489950	NC_021164.1	Ca_kabuli_chr05	15489950	CC	AA	1940333325
SNP_P1_95774_15502761	NC_021164.1	Ca_kabuli_chr05	15502761	AA	CC	1940333327
SNP_P1_95775_15502766	NC_021164.1	Ca_kabuli_chr05	15502766	AA	GG	1940333329
SNP_P1_95776_15502783	NC_021164.1	Ca_kabuli_chr05	15502783	CC	TT	1940333331
SNP_P1_95777_15502814	NC_021164.1	Ca_kabuli_chr05	15502814	AA	TT	1940333332
SNP_P1_95778_15503296	NC_021164.1	Ca_kabuli_chr05	15503296	AA	GG	1940333334
SNP_P1_95779_15503334	NC_021164.1	Ca_kabuli_chr05	15503334	AA	GG	1940333336
SNP_P1_95780_15503344	NC_021164.1	Ca_kabuli_chr05	15503344	CC	TT	1940333337
SNP_P1_95781_15503474	NC_021164.1	Ca_kabuli_chr05	15503474	GG	AA	1940333339
SNP_P1_95782_15503492	NC_021164.1	Ca_kabuli_chr05	15503492	GG	AA	1940333341
SNP_P1_95783_15503599	NC_021164.1	Ca_kabuli_chr05	15503599	GG	AA	1940333343
SNP_P1_95784_15511389	NC_021164.1	Ca_kabuli_chr05	15511389	TT	AA	1940333344
SNP_P1_95785_15526431	NC_021164.1	Ca_kabuli_chr05	15526431	TT	AA	1940333346
SNP_P1_95786_15526439	NC_021164.1	Ca_kabuli_chr05	15526439	CC	TT	1940333348
SNP_P1_95787_15526483	NC_021164.1	Ca_kabuli_chr05	15526483	TT	CC	1940333349

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_95788_15535289	NC_021164.1	Ca_kabuli_chr05	15535289	TT	GG	1940333351
SNP_P1_95789_15535303	NC_021164.1	Ca_kabuli_chr05	15535303	AA	CC	1940333353
SNP_P1_95790_15549948	NC_021164.1	Ca_kabuli_chr05	15549948	GG	TT	1940333354
SNP_P1_95791_15570853	NC_021164.1	Ca_kabuli_chr05	15570853	AA	GG	1940333356
SNP_P1_95792_15571369	NC_021164.1	Ca_kabuli_chr05	15571369	AA	GG	1940333358
SNP_P1_95793_15571371	NC_021164.1	Ca_kabuli_chr05	15571371	CC	TT	1940333360
SNP_P1_95794_15571388	NC_021164.1	Ca_kabuli_chr05	15571388	GG	AA	1940333361
SNP_P1_95795_15587146	NC_021164.1	Ca_kabuli_chr05	15587146	TT	AA	1940333363
SNP_P1_95796_15587166	NC_021164.1	Ca_kabuli_chr05	15587166	CC	TT	1940333365
SNP_P1_95797_15597757	NC_021164.1	Ca_kabuli_chr05	15597757	TT	AA	1940333366
SNP_P1_95798_15602134	NC_021164.1	Ca_kabuli_chr05	15602134	GG	CC	1940333368
SNP_P1_95799_15603998	NC_021164.1	Ca_kabuli_chr05	15603998	CC	TT	1940333370
SNP_P1_95800_15604004	NC_021164.1	Ca_kabuli_chr05	15604004	CC	TT	1940333372
SNP_P1_95801_15604254	NC_021164.1	Ca_kabuli_chr05	15604254	TT	AA	1940333373
SNP_P1_95802_15604502	NC_021164.1	Ca_kabuli_chr05	15604502	GG	TT	1940333375
SNP_P1_95803_15604600	NC_021164.1	Ca_kabuli_chr05	15604600	AA	TT	1940333377
SNP_P1_95805_15611358	NC_021164.1	Ca_kabuli_chr05	15611358	TT	GG	1940333378
SNP_P1_95806_15611629	NC_021164.1	Ca_kabuli_chr05	15611629	AA	GG	1940333380
SNP_P1_95807_15611945	NC_021164.1	Ca_kabuli_chr05	15611945	AA	TT	1940333382
SNP_P1_95808_15611962	NC_021164.1	Ca_kabuli_chr05	15611962	GG	AA	1940333384
SNP_P1_95810_15640857	NC_021164.1	Ca_kabuli_chr05	15640857	GG	TT	1940333385
SNP_P1_95812_15716864	NC_021164.1	Ca_kabuli_chr05	15716864	AA	TT	1940333387
SNP_P1_95813_15744983	NC_021164.1	Ca_kabuli_chr05	15744983	TT	AA	1940333389
SNP_P1_95814_15746506	NC_021164.1	Ca_kabuli_chr05	15746506	GG	TT	1940333390
SNP_P1_95815_15754804	NC_021164.1	Ca_kabuli_chr05	15754804	CC	AA	1940333392
SNP_P1_95817_15758709	NC_021164.1	Ca_kabuli_chr05	15758709	AA	TT	1940333394
SNP_P1_95818_15765495	NC_021164.1	Ca_kabuli_chr05	15765495	AA	GG	1940333396
SNP_P1_95820_15834892	NC_021164.1	Ca_kabuli_chr05	15834892	AA	GG	1940333397
SNP_P1_95821_15834987	NC_021164.1	Ca_kabuli_chr05	15834987	GG	AA	1940333399
SNP_P1_95822_15834994	NC_021164.1	Ca_kabuli_chr05	15834994	GG	AA	1940333401
SNP_P1_95823_15835001	NC_021164.1	Ca_kabuli_chr05	15835001	GG	AA	1940333402
SNP_P1_95824_15835005	NC_021164.1	Ca_kabuli_chr05	15835005	CC	TT	1940333404
SNP_P1_95825_15835151	NC_021164.1	Ca_kabuli_chr05	15835151	CC	GG	1940333406
SNP_P1_95826_15835174	NC_021164.1	Ca_kabuli_chr05	15835174	CC	TT	1940333408
SNP_P1_95827_15835203	NC_021164.1	Ca_kabuli_chr05	15835203	CC	AA	1940333409
SNP_P1_95828_15835217	NC_021164.1	Ca_kabuli_chr05	15835217	AA	CC	1940333411
SNP_P1_95829_15835242	NC_021164.1	Ca_kabuli_chr05	15835242	TT	AA	1940333413
SNP_P1_95830_15835278	NC_021164.1	Ca_kabuli_chr05	15835278	TT	CC	1940333414
SNP_P1_95831_15835338	NC_021164.1	Ca_kabuli_chr05	15835338	AA	GG	1940333416
SNP_P1_95832_15835352	NC_021164.1	Ca_kabuli_chr05	15835352	TT	CC	1940333418
SNP_P1_95833_15835371	NC_021164.1	Ca_kabuli_chr05	15835371	GG	AA	1940333420
SNP_P1_95834_15835401	NC_021164.1	Ca_kabuli_chr05	15835401	CC	TT	1940333421

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_95836_15875910	NC_021164.1	Ca_kabuli_chr05	15875910	AA	CC	1940333423
SNP_P1_95837_15876888	NC_021164.1	Ca_kabuli_chr05	15876888	AA	TT	1940333425
SNP_P1_95838_15876897	NC_021164.1	Ca_kabuli_chr05	15876897	AA	CC	1940333426
SNP_P1_95839_15876930	NC_021164.1	Ca_kabuli_chr05	15876930	GG	AA	1940333428
SNP_P1_95840_15876969	NC_021164.1	Ca_kabuli_chr05	15876969	GG	TT	1940333430
SNP_P1_95841_15876973	NC_021164.1	Ca_kabuli_chr05	15876973	TT	AA	1940333432
SNP_P1_95842_15877053	NC_021164.1	Ca_kabuli_chr05	15877053	GG	CC	1940333433
SNP_P1_95843_15877056	NC_021164.1	Ca_kabuli_chr05	15877056	GG	CC	1940333435
SNP_P1_95844_15877077	NC_021164.1	Ca_kabuli_chr05	15877077	AA	GG	1940333437
SNP_P1_95845_15877179	NC_021164.1	Ca_kabuli_chr05	15877179	GG	AA	1940333438
SNP_P1_95846_15877242	NC_021164.1	Ca_kabuli_chr05	15877242	TT	AA	1940333440
SNP_P1_95847_15877335	NC_021164.1	Ca_kabuli_chr05	15877335	TT	CC	1940333442
SNP_P1_95850_15885142	NC_021164.1	Ca_kabuli_chr05	15885142	CC	AA	1940333444
SNP_P1_95851_15885177	NC_021164.1	Ca_kabuli_chr05	15885177	AA	TT	1940333445
SNP_P1_95852_15891169	NC_021164.1	Ca_kabuli_chr05	15891169	TT	CC	1940333447
SNP_P1_95853_15894726	NC_021164.1	Ca_kabuli_chr05	15894726	AA	GG	1940333449
SNP_P1_95854_15894842	NC_021164.1	Ca_kabuli_chr05	15894842	TT	AA	1940333450
SNP_P1_95855_15894906	NC_021164.1	Ca_kabuli_chr05	15894906	AA	GG	1940333452
SNP_P1_95856_15895047	NC_021164.1	Ca_kabuli_chr05	15895047	TT	CC	1940333454
SNP_P1_95857_15896359	NC_021164.1	Ca_kabuli_chr05	15896359	TT	GG	1940333456
SNP_P1_95858_15897835	NC_021164.1	Ca_kabuli_chr05	15897835	CC	AA	1940333457
SNP_P1_95859_15908469	NC_021164.1	Ca_kabuli_chr05	15908469	GG	TT	1940333459
SNP_P1_95860_15908475	NC_021164.1	Ca_kabuli_chr05	15908475	AA	GG	1940333461
SNP_P1_95861_15908479	NC_021164.1	Ca_kabuli_chr05	15908479	AA	CC	1940333462
SNP_P1_95862_15908497	NC_021164.1	Ca_kabuli_chr05	15908497	AA	GG	1940333464
SNP_P1_95863_15908509	NC_021164.1	Ca_kabuli_chr05	15908509	AA	GG	1940333466
SNP_P1_95864_15910607	NC_021164.1	Ca_kabuli_chr05	15910607	TT	CC	1940333468
SNP_P1_95865_15910620	NC_021164.1	Ca_kabuli_chr05	15910620	GG	AA	1940333469
SNP_P1_95866_15910628	NC_021164.1	Ca_kabuli_chr05	15910628	GG	AA	1940333471
SNP_P1_95867_15910634	NC_021164.1	Ca_kabuli_chr05	15910634	TT	CC	1940333473
SNP_P1_95868_15910636	NC_021164.1	Ca_kabuli_chr05	15910636	GG	AA	1940333474
SNP_P1_95869_15910869	NC_021164.1	Ca_kabuli_chr05	15910869	CC	AA	1940333476
SNP_P1_95870_15910947	NC_021164.1	Ca_kabuli_chr05	15910947	GG	AA	1940333478
SNP_P1_95871_15912487	NC_021164.1	Ca_kabuli_chr05	15912487	TT	CC	1940333480
SNP_P1_95873_15923733	NC_021164.1	Ca_kabuli_chr05	15923733	TT	CC	1940333481
SNP_P1_95874_15929154	NC_021164.1	Ca_kabuli_chr05	15929154	TT	GG	1940333483
SNP_P1_95875_15929180	NC_021164.1	Ca_kabuli_chr05	15929180	AA	GG	1940333485
SNP_P1_95876_15929189	NC_021164.1	Ca_kabuli_chr05	15929189	TT	GG	1940333486
SNP_P1_95878_15929285	NC_021164.1	Ca_kabuli_chr05	15929285	CC	TT	1940333488
SNP_P1_95879_15929288	NC_021164.1	Ca_kabuli_chr05	15929288	TT	AA	1940333490
SNP_P1_95881_15929568	NC_021164.1	Ca_kabuli_chr05	15929568	TT	AA	1940333491
SNP_P1_95882_15929590	NC_021164.1	Ca_kabuli_chr05	15929590	AA	GG	1940333493

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95884_15929658	NC_021164.1	Ca_kabuli_chr05	15929658	AA	TT	1940333497
SNP_P1_95885_15929678	NC_021164.1	Ca_kabuli_chr05	15929678	TT	CC	1940333498
SNP_P1_95886_15929716	NC_021164.1	Ca_kabuli_chr05	15929716	AA	CC	1940333500
SNP_P1_95887_15931178	NC_021164.1	Ca_kabuli_chr05	15931178	AA	GG	1940333502
SNP_P1_95888_15931420	NC_021164.1	Ca_kabuli_chr05	15931420	GG	TT	1940333503
SNP_P1_95889_15931471	NC_021164.1	Ca_kabuli_chr05	15931471	CC	TT	1940333505
SNP_P1_95890_15931556	NC_021164.1	Ca_kabuli_chr05	15931556	TT	AA	1940333507
SNP_P1_95891_15948315	NC_021164.1	Ca_kabuli_chr05	15948315	AA	CC	1940333509
SNP_P1_95892_15952423	NC_021164.1	Ca_kabuli_chr05	15952423	TT	AA	1940333510
SNP_P1_95893_15957391	NC_021164.1	Ca_kabuli_chr05	15957391	CC	TT	1940333512
SNP_P1_95894_15957678	NC_021164.1	Ca_kabuli_chr05	15957678	GG	AA	1940333514
SNP_P1_95895_15957740	NC_021164.1	Ca_kabuli_chr05	15957740	TT	AA	1940333515
SNP_P1_95896_15963741	NC_021164.1	Ca_kabuli_chr05	15963741	TT	CC	1940333517
SNP_P1_95897_15981461	NC_021164.1	Ca_kabuli_chr05	15981461	GG	AA	1940333519
SNP_P1_95899_16002048	NC_021164.1	Ca_kabuli_chr05	16002048	TT	CC	1940333521
SNP_P1_95900_16004439	NC_021164.1	Ca_kabuli_chr05	16004439	CC	TT	1940333522
SNP_P1_95901_16005498	NC_021164.1	Ca_kabuli_chr05	16005498	TT	CC	1940333524
SNP_P1_95902_16005551	NC_021164.1	Ca_kabuli_chr05	16005551	TT	CC	1940333526
SNP_P1_95903_16022067	NC_021164.1	Ca_kabuli_chr05	16022067	TT	CC	1940333527
SNP_P1_95904_16022350	NC_021164.1	Ca_kabuli_chr05	16022350	GG	TT	1940333529
SNP_P1_95905_16022568	NC_021164.1	Ca_kabuli_chr05	16022568	TT	AA	1940333531
SNP_P1_95906_16022728	NC_021164.1	Ca_kabuli_chr05	16022728	TT	CC	1940333533
SNP_P1_95907_16022785	NC_021164.1	Ca_kabuli_chr05	16022785	TT	CC	1940333534
SNP_P1_95908_16083241	NC_021164.1	Ca_kabuli_chr05	16083241	AA	GG	1940333536
SNP_P1_95909_16083267	NC_021164.1	Ca_kabuli_chr05	16083267	GG	AA	1940333538
SNP_P1_95910_16083367	NC_021164.1	Ca_kabuli_chr05	16083367	GG	AA	1940333539
SNP_P1_95911_16083451	NC_021164.1	Ca_kabuli_chr05	16083451	GG	AA	1940333541
SNP_P1_95912_16083460	NC_021164.1	Ca_kabuli_chr05	16083460	TT	CC	1940333543
SNP_P1_95913_16083503	NC_021164.1	Ca_kabuli_chr05	16083503	TT	GG	1940333545
SNP_P1_95914_16083504	NC_021164.1	Ca_kabuli_chr05	16083504	TT	CC	1940333546
SNP_P1_95915_16083549	NC_021164.1	Ca_kabuli_chr05	16083549	TT	AA	1940333548
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SNP_P1_95918_16106024	NC_021164.1	Ca_kabuli_chr05	16106024	AA	GG	1940333551
SNP_P1_95919_16108587	NC_021164.1	Ca_kabuli_chr05	16108587	GG	AA	1940333553
SNP_P1_95920_16113656	NC_021164.1	Ca_kabuli_chr05	16113656	AA	GG	1940333555
SNP_P1_95921_16113664	NC_021164.1	Ca_kabuli_chr05	16113664	TT	CC	1940333557
SNP_P1_95922_16118859	NC_021164.1	Ca_kabuli_chr05	16118859	CC	TT	1940333558
SNP_P1_95923_16129917	NC_021164.1	Ca_kabuli_chr05	16129917	TT	AA	1940333560
SNP_P1_95924_16129939	NC_021164.1	Ca_kabuli_chr05	16129939	TT	CC	1940333562
SNP_P1_95925_16152144	NC_021164.1	Ca_kabuli_chr05	16152144	GG	TT	1940333564
SNP_P1_95926_16152173	NC_021164.1	Ca_kabuli_chr05	16152173	GG	AA	1940333565

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95929_16152304	NC_021164.1	Ca_kabuli_chr05	16152304	GG	TT	1940333570
SNP_P1_95930_16152338	NC_021164.1	Ca_kabuli_chr05	16152338	TT	CC	1940333572
SNP_P1_95931_16152340	NC_021164.1	Ca_kabuli_chr05	16152340	AA	GG	1940333574
SNP_P1_95932_16152400	NC_021164.1	Ca_kabuli_chr05	16152400	TT	CC	1940333575
SNP_P1_95933_16152444	NC_021164.1	Ca_kabuli_chr05	16152444	TT	CC	1940333577
SNP_P1_95934_16152612	NC_021164.1	Ca_kabuli_chr05	16152612	GG	AA	1940333579
SNP_P1_95935_16152633	NC_021164.1	Ca_kabuli_chr05	16152633	CC	TT	1940333581
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SNP_P1_95937_16156870	NC_021164.1	Ca_kabuli_chr05	16156870	CC	TT	1940333584
SNP_P1_95938_16163614	NC_021164.1	Ca_kabuli_chr05	16163614	GG	AA	1940333586
SNP_P1_95939_16182626	NC_021164.1	Ca_kabuli_chr05	16182626	AA	GG	1940333587
SNP_P1_95940_16189547	NC_021164.1	Ca_kabuli_chr05	16189547	TT	GG	1940333589
SNP_P1_95941_16203602	NC_021164.1	Ca_kabuli_chr05	16203602	TT	GG	1940333591
SNP_P1_95942_16203643	NC_021164.1	Ca_kabuli_chr05	16203643	GG	AA	1940333593
SNP_P1_95943_16230576	NC_021164.1	Ca_kabuli_chr05	16230576	AA	CC	1940333594
SNP_P1_95944_16230633	NC_021164.1	Ca_kabuli_chr05	16230633	CC	AA	1940333596
SNP_P1_95945_16245948	NC_021164.1	Ca_kabuli_chr05	16245948	GG	AA	1940333598
SNP_P1_95946_16251454	NC_021164.1	Ca_kabuli_chr05	16251454	AA	TT	1940333599
SNP_P1_95948_16256210	NC_021164.1	Ca_kabuli_chr05	16256210	GG	AA	1940333601
SNP_P1_95949_16298078	NC_021164.1	Ca_kabuli_chr05	16298078	GG	TT	1940333603
SNP_P1_95950_16319742	NC_021164.1	Ca_kabuli_chr05	16319742	TT	CC	1940333605
SNP_P1_95951_16319793	NC_021164.1	Ca_kabuli_chr05	16319793	TT	CC	1940333606
SNP_P1_95952_16319801	NC_021164.1	Ca_kabuli_chr05	16319801	GG	CC	1940333608
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SNP_P1_95956_16320045	NC_021164.1	Ca_kabuli_chr05	16320045	CC	TT	1940333613
SNP_P1_95957_16322032	NC_021164.1	Ca_kabuli_chr05	16322032	AA	GG	1940333615
SNP_P1_95958_16322048	NC_021164.1	Ca_kabuli_chr05	16322048	AA	TT	1940333617
SNP_P1_95959_16322082	NC_021164.1	Ca_kabuli_chr05	16322082	TT	CC	1940333618
SNP_P1_95960_16322217	NC_021164.1	Ca_kabuli_chr05	16322217	GG	AA	1940333620
SNP_P1_95961_16361233	NC_021164.1	Ca_kabuli_chr05	16361233	GG	AA	1940333622
SNP_P1_95963_16369783	NC_021164.1	Ca_kabuli_chr05	16369783	CC	TT	1940333623
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SNP_P1_95965_16380072	NC_021164.1	Ca_kabuli_chr05	16380072	TT	CC	1940333627
SNP_P1_95966_16387704	NC_021164.1	Ca_kabuli_chr05	16387704	GG	AA	1940333629
SNP_P1_95968_16388736	NC_021164.1	Ca_kabuli_chr05	16388736	TT	CC	1940333630
SNP_P1_95970_16395772	NC_021164.1	Ca_kabuli_chr05	16395772	CC	TT	1940333632
SNP_P1_95972_16417762	NC_021164.1	Ca_kabuli_chr05	16417762	CC	TT	1940333634
SNP_P1_95973_16418047	NC_021164.1	Ca_kabuli_chr05	16418047	GG	AA	1940333635
SNP_P1_95974_16418052	NC_021164.1	Ca_kabuli_chr05	16418052	GG	AA	1940333637

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_95977_16428999	NC_021164.1	Ca_kabuli_chr05	16428999	AA	GG	1940333642
SNP_P1_95978_16429702	NC_021164.1	Ca_kabuli_chr05	16429702	AA	TT	1940333644
SNP_P1_95979_16441489	NC_021164.1	Ca_kabuli_chr05	16441489	GG	AA	1940333646
SNP_P1_95980_16447414	NC_021164.1	Ca_kabuli_chr05	16447414	TT	CC	1940333647
SNP_P1_95983_16469280	NC_021164.1	Ca_kabuli_chr05	16469280	TT	CC	1940333649
SNP_P1_95984_16469284	NC_021164.1	Ca_kabuli_chr05	16469284	TT	CC	1940333651
SNP_P1_95987_16487834	NC_021164.1	Ca_kabuli_chr05	16487834	AA	CC	1940333653
SNP_P1_95988_16487836	NC_021164.1	Ca_kabuli_chr05	16487836	AA	TT	1940333654
SNP_P1_95989_16493729	NC_021164.1	Ca_kabuli_chr05	16493729	TT	CC	1940333656
SNP_P1_95990_16493893	NC_021164.1	Ca_kabuli_chr05	16493893	AA	TT	1940333658
SNP_P1_95991_16493894	NC_021164.1	Ca_kabuli_chr05	16493894	TT	CC	1940333659
SNP_P1_95992_16494096	NC_021164.1	Ca_kabuli_chr05	16494096	AA	GG	1940333661
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SNP_P1_95994_16540601	NC_021164.1	Ca_kabuli_chr05	16540601	AA	CC	1940333665
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SNP_P1_95996_16556400	NC_021164.1	Ca_kabuli_chr05	16556400	GG	AA	1940333668
SNP_P1_95997_16556430	NC_021164.1	Ca_kabuli_chr05	16556430	TT	AA	1940333670
SNP_P1_95998_16556466	NC_021164.1	Ca_kabuli_chr05	16556466	CC	TT	1940333671
SNP_P1_95999_16556578	NC_021164.1	Ca_kabuli_chr05	16556578	GG	AA	1940333673
SNP_P1_96000_16556721	NC_021164.1	Ca_kabuli_chr05	16556721	TT	GG	1940333675
SNP_P1_96001_16556732	NC_021164.1	Ca_kabuli_chr05	16556732	GG	AA	1940333677
SNP_P1_96002_16636286	NC_021164.1	Ca_kabuli_chr05	16636286	TT	CC	1940333678
SNP_P1_96003_16636301	NC_021164.1	Ca_kabuli_chr05	16636301	AA	TT	1940333680
SNP_P1_96004_16636347	NC_021164.1	Ca_kabuli_chr05	16636347	AA	GG	1940333682
SNP_P1_96005_16636348	NC_021164.1	Ca_kabuli_chr05	16636348	TT	GG	1940333683
SNP_P1_96006_16636688	NC_021164.1	Ca_kabuli_chr05	16636688	TT	CC	1940333685
SNP_P1_96007_16636689	NC_021164.1	Ca_kabuli_chr05	16636689	AA	GG	1940333687
SNP_P1_96008_16642950	NC_021164.1	Ca_kabuli_chr05	16642950	TT	CC	1940333689
SNP_P1_96009_16644083	NC_021164.1	Ca_kabuli_chr05	16644083	CC	TT	1940333690
SNP_P1_96010_16644426	NC_021164.1	Ca_kabuli_chr05	16644426	TT	CC	1940333692
SNP_P1_96011_16644430	NC_021164.1	Ca_kabuli_chr05	16644430	CC	TT	1940333694
SNP_P1_96012_16647419	NC_021164.1	Ca_kabuli_chr05	16647419	GG	AA	1940333695
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SNP_P1_96014_16649616	NC_021164.1	Ca_kabuli_chr05	16649616	TT	CC	1940333699
SNP_P1_96015_16649904	NC_021164.1	Ca_kabuli_chr05	16649904	CC	AA	1940333701
SNP_P1_96016_16650461	NC_021164.1	Ca_kabuli_chr05	16650461	CC	AA	1940333702
SNP_P1_96018_16650646	NC_021164.1	Ca_kabuli_chr05	16650646	AA	GG	1940333704
SNP_P1_96019_16650737	NC_021164.1	Ca_kabuli_chr05	16650737	GG	AA	1940333706
SNP_P1_96020_16650783	NC_021164.1	Ca_kabuli_chr05	16650783	TT	CC	1940333707
SNP_P1_96021_16650802	NC_021164.1	Ca_kabuli_chr05	16650802	AA	CC	1940333709

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96023_16651514	NC_021164.1	Ca_kabuli_chr05	16651514	TT	GG	1940333713
SNP_P1_96024_16651521	NC_021164.1	Ca_kabuli_chr05	16651521	TT	CC	1940333714
SNP_P1_96025_16651619	NC_021164.1	Ca_kabuli_chr05	16651619	AA	GG	1940333716
SNP_P1_96026_16658326	NC_021164.1	Ca_kabuli_chr05	16658326	AA	CC	1940333718
SNP_P1_96027_16703465	NC_021164.1	Ca_kabuli_chr05	16703465	AA	GG	1940333719
SNP_P1_96028_16703469	NC_021164.1	Ca_kabuli_chr05	16703469	AA	GG	1940333721
SNP_P1_96029_16703494	NC_021164.1	Ca_kabuli_chr05	16703494	TT	CC	1940333723
SNP_P1_96030_16703529	NC_021164.1	Ca_kabuli_chr05	16703529	TT	GG	1940333725
SNP_P1_96031_16703531	NC_021164.1	Ca_kabuli_chr05	16703531	AA	CC	1940333726
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SNP_P1_96034_16744662	NC_021164.1	Ca_kabuli_chr05	16744662	TT	AA	1940333730
SNP_P1_96036_16765983	NC_021164.1	Ca_kabuli_chr05	16765983	CC	TT	1940333731
SNP_P1_96037_16766060	NC_021164.1	Ca_kabuli_chr05	16766060	GG	TT	1940333733
SNP_P1_96038_16766167	NC_021164.1	Ca_kabuli_chr05	16766167	CC	GG	1940333735
SNP_P1_96039_16766290	NC_021164.1	Ca_kabuli_chr05	16766290	GG	AA	1940333737
SNP_P1_96040_16766978	NC_021164.1	Ca_kabuli_chr05	16766978	AA	TT	1940333738
SNP_P1_96041_16767958	NC_021164.1	Ca_kabuli_chr05	16767958	GG	TT	1940333740
SNP_P1_96042_16767965	NC_021164.1	Ca_kabuli_chr05	16767965	AA	GG	1940333742
SNP_P1_96046_16814475	NC_021164.1	Ca_kabuli_chr05	16814475	AA	CC	1940333743
SNP_P1_96047_16828085	NC_021164.1	Ca_kabuli_chr05	16828085	GG	TT	1940333745
SNP_P1_96048_16859066	NC_021164.1	Ca_kabuli_chr05	16859066	TT	AA	1940333747
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SNP_P1_96051_16878790	NC_021164.1	Ca_kabuli_chr05	16878790	AA	CC	1940333752
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SNP_P1_96058_16944011	NC_021164.1	Ca_kabuli_chr05	16944011	AA	GG	1940333759
SNP_P1_96059_16946055	NC_021164.1	Ca_kabuli_chr05	16946055	TT	AA	1940333761
SNP_P1_96061_16948672	NC_021164.1	Ca_kabuli_chr05	16948672	AA	CC	1940333762
SNP_P1_96062_16957693	NC_021164.1	Ca_kabuli_chr05	16957693	TT	AA	1940333764
SNP_P1_96063_16957697	NC_021164.1	Ca_kabuli_chr05	16957697	GG	TT	1940333766
SNP_P1_96064_16957706	NC_021164.1	Ca_kabuli_chr05	16957706	GG	AA	1940333767
SNP_P1_96065_16957721	NC_021164.1	Ca_kabuli_chr05	16957721	GG	CC	1940333769
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SNP_P1_96070_16995629	NC_021164.1	Ca_kabuli_chr05	16995629	CC	TT	1940333776
SNP_P1_96071_17012320	NC_021164.1	Ca_kabuli_chr05	17012320	TT	CC	1940333778
SNP_P1_96072_17012385	NC_021164.1	Ca_kabuli_chr05	17012385	GG	AA	1940333779
SNP_P1_96073_17012608	NC_021164.1	Ca_kabuli_chr05	17012608	GG	AA	1940333781

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96076_17012686	NC_021164.1	Ca_kabuli_chr05	17012686	TT	AA	1940333787
SNP_P1_96077_17012701	NC_021164.1	Ca_kabuli_chr05	17012701	CC	TT	1940333788
SNP_P1_96078_17012708	NC_021164.1	Ca_kabuli_chr05	17012708	CC	TT	1940333790
SNP_P1_96079_17012740	NC_021164.1	Ca_kabuli_chr05	17012740	AA	GG	1940333792
SNP_P1_96080_17012751	NC_021164.1	Ca_kabuli_chr05	17012751	AA	GG	1940333793
SNP_P1_96081_17013461	NC_021164.1	Ca_kabuli_chr05	17013461	CC	GG	1940333795
SNP_P1_96082_17013657	NC_021164.1	Ca_kabuli_chr05	17013657	AA	GG	1940333796
SNP_P1_96083_17013708	NC_021164.1	Ca_kabuli_chr05	17013708	AA	CC	1940333798
SNP_P1_96084_17013767	NC_021164.1	Ca_kabuli_chr05	17013767	CC	TT	1940333800
SNP_P1_96085_17013809	NC_021164.1	Ca_kabuli_chr05	17013809	TT	CC	1940333802
SNP_P1_96086_17062990	NC_021164.1	Ca_kabuli_chr05	17062990	CC	TT	1940333804
SNP_P1_96087_17063013	NC_021164.1	Ca_kabuli_chr05	17063013	AA	GG	1940333805
SNP_P1_96088_17063047	NC_021164.1	Ca_kabuli_chr05	17063047	AA	GG	1940333807
SNP_P1_96089_17063048	NC_021164.1	Ca_kabuli_chr05	17063048	AA	GG	1940333809
SNP_P1_96090_17063068	NC_021164.1	Ca_kabuli_chr05	17063068	AA	GG	1940333811
SNP_P1_96091_17063074	NC_021164.1	Ca_kabuli_chr05	17063074	GG	AA	1940333813
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SNP_P1_96093_17063121	NC_021164.1	Ca_kabuli_chr05	17063121	AA	GG	1940333816
SNP_P1_96094_17063129	NC_021164.1	Ca_kabuli_chr05	17063129	TT	AA	1940333818
SNP_P1_96095_17063150	NC_021164.1	Ca_kabuli_chr05	17063150	AA	GG	1940333819
SNP_P1_96096_17107152	NC_021164.1	Ca_kabuli_chr05	17107152	TT	AA	1940333821
SNP_P1_96097_17127298	NC_021164.1	Ca_kabuli_chr05	17127298	AA	GG	1940333823
SNP_P1_96098_17146357	NC_021164.1	Ca_kabuli_chr05	17146357	AA	CC	1940333825
SNP_P1_96099_17154856	NC_021164.1	Ca_kabuli_chr05	17154856	TT	CC	1940333826
SNP_P1_96100_17163637	NC_021164.1	Ca_kabuli_chr05	17163637	TT	AA	1940333828
SNP_P1_96101_17174416	NC_021164.1	Ca_kabuli_chr05	17174416	AA	GG	1940333830
SNP_P1_96102_17175924	NC_021164.1	Ca_kabuli_chr05	17175924	TT	AA	1940333831
SNP_P1_96103_17199866	NC_021164.1	Ca_kabuli_chr05	17199866	TT	GG	1940333833
SNP_P1_96104_17208508	NC_021164.1	Ca_kabuli_chr05	17208508	GG	AA	1940333835
SNP_P1_96105_17219347	NC_021164.1	Ca_kabuli_chr05	17219347	CC	AA	1940333837
SNP_P1_96106_17233854	NC_021164.1	Ca_kabuli_chr05	17233854	AA	TT	1940333838
SNP_P1_96107_17233872	NC_021164.1	Ca_kabuli_chr05	17233872	CC	TT	1940333840
SNP_P1_96108_17233881	NC_021164.1	Ca_kabuli_chr05	17233881	CC	TT	1940333842
SNP_P1_96109_17233897	NC_021164.1	Ca_kabuli_chr05	17233897	AA	GG	1940333843
SNP_P1_96110_17233907	NC_021164.1	Ca_kabuli_chr05	17233907	GG	AA	1940333845
SNP_P1_96111_17233968	NC_021164.1	Ca_kabuli_chr05	17233968	AA	GG	1940333847
SNP_P1_96112_17233976	NC_021164.1	Ca_kabuli_chr05	17233976	GG	AA	1940333849
SNP_P1_96113_17233989	NC_021164.1	Ca_kabuli_chr05	17233989	TT	CC	1940333850
SNP_P1_96114_17233995	NC_021164.1	Ca_kabuli_chr05	17233995	AA	GG	1940333852
SNP_P1_96115_17234235	NC_021164.1	Ca_kabuli_chr05	17234235	CC	TT	1940333854

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96117_17234362	NC_021164.1	Ca_kabuli_chr05	17234362	AA	GG	1940333857
SNP_P1_96118_17234464	NC_021164.1	Ca_kabuli_chr05	17234464	AA	GG	1940333859
SNP_P1_96119_17234704	NC_021164.1	Ca_kabuli_chr05	17234704	GG	AA	1940333861
SNP_P1_96120_17234740	NC_021164.1	Ca_kabuli_chr05	17234740	TT	CC	1940333862
SNP_P1_96121_17234746	NC_021164.1	Ca_kabuli_chr05	17234746	GG	AA	1940333864
SNP_P1_96122_17234773	NC_021164.1	Ca_kabuli_chr05	17234773	CC	TT	1940333866
SNP_P1_96123_17239539	NC_021164.1	Ca_kabuli_chr05	17239539	CC	TT	1940333867
SNP_P1_96124_17239623	NC_021164.1	Ca_kabuli_chr05	17239623	GG	AA	1940333869
SNP_P1_96125_17241041	NC_021164.1	Ca_kabuli_chr05	17241041	GG	AA	1940333871
SNP_P1_96126_17242169	NC_021164.1	Ca_kabuli_chr05	17242169	AA	GG	1940333873
SNP_P1_96127_17242922	NC_021164.1	Ca_kabuli_chr05	17242922	AA	GG	1940333874
SNP_P1_96129_17244321	NC_021164.1	Ca_kabuli_chr05	17244321	AA	TT	1940333876
SNP_P1_96131_17249461	NC_021164.1	Ca_kabuli_chr05	17249461	AA	CC	1940333878
SNP_P1_96132_17254645	NC_021164.1	Ca_kabuli_chr05	17254645	AA	GG	1940333879
SNP_P1_96133_17254721	NC_021164.1	Ca_kabuli_chr05	17254721	TT	GG	1940333881
SNP_P1_96134_17254722	NC_021164.1	Ca_kabuli_chr05	17254722	TT	CC	1940333883
SNP_P1_96135_17254742	NC_021164.1	Ca_kabuli_chr05	17254742	TT	GG	1940333885
SNP_P1_96136_17254825	NC_021164.1	Ca_kabuli_chr05	17254825	TT	AA	1940333886
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SNP_P1_96138_17258956	NC_021164.1	Ca_kabuli_chr05	17258956	GG	CC	1940333890
SNP_P1_96139_17285951	NC_021164.1	Ca_kabuli_chr05	17285951	TT	GG	1940333891
SNP_P1_96140_17285979	NC_021164.1	Ca_kabuli_chr05	17285979	GG	AA	1940333893
SNP_P1_96141_17301321	NC_021164.1	Ca_kabuli_chr05	17301321	GG	AA	1940333895
SNP_P1_96142_17301378	NC_021164.1	Ca_kabuli_chr05	17301378	GG	AA	1940333897
SNP_P1_96143_17301909	NC_021164.1	Ca_kabuli_chr05	17301909	CC	TT	1940333898
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SNP_P1_96146_17323827	NC_021164.1	Ca_kabuli_chr05	17323827	AA	GG	1940333902
SNP_P1_96147_17323879	NC_021164.1	Ca_kabuli_chr05	17323879	GG	TT	1940333903
SNP_P1_96148_17324019	NC_021164.1	Ca_kabuli_chr05	17324019	AA	TT	1940333905
SNP_P1_96149_17324040	NC_021164.1	Ca_kabuli_chr05	17324040	TT	CC	1940333907
SNP_P1_96150_17324080	NC_021164.1	Ca_kabuli_chr05	17324080	AA	GG	1940333909
SNP_P1_96151_17324102	NC_021164.1	Ca_kabuli_chr05	17324102	TT	GG	1940333910
SNP_P1_96152_17324113	NC_021164.1	Ca_kabuli_chr05	17324113	AA	TT	1940333912
SNP_P1_96153_17324168	NC_021164.1	Ca_kabuli_chr05	17324168	GG	TT	1940333914
SNP_P1_96154_17324224	NC_021164.1	Ca_kabuli_chr05	17324224	TT	CC	1940333915
SNP_P1_96155_17324251	NC_021164.1	Ca_kabuli_chr05	17324251	CC	AA	1940333917
SNP_P1_96156_17324252	NC_021164.1	Ca_kabuli_chr05	17324252	CC	AA	1940333919
SNP_P1_96157_17332501	NC_021164.1	Ca_kabuli_chr05	17332501	TT	CC	1940333921
SNP_P1_96158_17336255	NC_021164.1	Ca_kabuli_chr05	17336255	GG	AA	1940333922
SNP_P1_96159_17352319	NC_021164.1	Ca_kabuli_chr05	17352319	CC	TT	1940333924
SNP_P1_96160_17364443	NC_021164.1	Ca_kabuli_chr05	17364443	TT	CC	1940333926

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96163_17369908	NC_021164.1	Ca_kabuli_chr05	17369908	AA	TT	1940333931
SNP_P1_96164_17369910	NC_021164.1	Ca_kabuli_chr05	17369910	AA	GG	1940333933
SNP_P1_96165_17369931	NC_021164.1	Ca_kabuli_chr05	17369931	AA	GG	1940333934
SNP_P1_96166_17369954	NC_021164.1	Ca_kabuli_chr05	17369954	GG	AA	1940333936
SNP_P1_96167_17371043	NC_021164.1	Ca_kabuli_chr05	17371043	TT	GG	1940333938
SNP_P1_96168_17395559	NC_021164.1	Ca_kabuli_chr05	17395559	TT	CC	1940333939
SNP_P1_96169_17449308	NC_021164.1	Ca_kabuli_chr05	17449308	GG	AA	1940333941
SNP_P1_96170_17452748	NC_021164.1	Ca_kabuli_chr05	17452748	GG	AA	1940333943
SNP_P1_96172_17463174	NC_021164.1	Ca_kabuli_chr05	17463174	AA	GG	1940333945
SNP_P1_96173_17473940	NC_021164.1	Ca_kabuli_chr05	17473940	GG	CC	1940333946
SNP_P1_96174_17473983	NC_021164.1	Ca_kabuli_chr05	17473983	CC	TT	1940333948
SNP_P1_96175_17474192	NC_021164.1	Ca_kabuli_chr05	17474192	GG	AA	1940333950
SNP_P1_96176_17474197	NC_021164.1	Ca_kabuli_chr05	17474197	GG	AA	1940333951
SNP_P1_96178_17474238	NC_021164.1	Ca_kabuli_chr05	17474238	CC	TT	1940333953
SNP_P1_96179_17474270	NC_021164.1	Ca_kabuli_chr05	17474270	AA	GG	1940333955
SNP_P1_96180_17474539	NC_021164.1	Ca_kabuli_chr05	17474539	GG	TT	1940333957
SNP_P1_96181_17494731	NC_021164.1	Ca_kabuli_chr05	17494731	AA	CC	1940333958
SNP_P1_96182_17494742	NC_021164.1	Ca_kabuli_chr05	17494742	TT	GG	1940333960
SNP_P1_96183_17494750	NC_021164.1	Ca_kabuli_chr05	17494750	GG	AA	1940333962
SNP_P1_96184_17494840	NC_021164.1	Ca_kabuli_chr05	17494840	AA	GG	1940333963
SNP_P1_96186_17494898	NC_021164.1	Ca_kabuli_chr05	17494898	AA	GG	1940333965
SNP_P1_96187_17494946	NC_021164.1	Ca_kabuli_chr05	17494946	GG	AA	1940333967
SNP_P1_96188_17495060	NC_021164.1	Ca_kabuli_chr05	17495060	AA	GG	1940333969
SNP_P1_96189_17503629	NC_021164.1	Ca_kabuli_chr05	17503629	CC	TT	1940333970
SNP_P1_96190_17512926	NC_021164.1	Ca_kabuli_chr05	17512926	GG	AA	1940333972
SNP_P1_96191_17512978	NC_021164.1	Ca_kabuli_chr05	17512978	TT	AA	1940333974
SNP_P1_96192_17512982	NC_021164.1	Ca_kabuli_chr05	17512982	AA	TT	1940333975
SNP_P1_96193_17523314	NC_021164.1	Ca_kabuli_chr05	17523314	AA	CC	1940333977
SNP_P1_96194_17526518	NC_021164.1	Ca_kabuli_chr05	17526518	TT	AA	1940333979
SNP_P1_96195_17537066	NC_021164.1	Ca_kabuli_chr05	17537066	AA	GG	1940333980
SNP_P1_96196_17542796	NC_021164.1	Ca_kabuli_chr05	17542796	AA	GG	1940333982
SNP_P1_96197_17542853	NC_021164.1	Ca_kabuli_chr05	17542853	AA	TT	1940333984
SNP_P1_96198_17543055	NC_021164.1	Ca_kabuli_chr05	17543055	GG	AA	1940333986
SNP_P1_96199_17543066	NC_021164.1	Ca_kabuli_chr05	17543066	GG	AA	1940333987
SNP_P1_96200_17543069	NC_021164.1	Ca_kabuli_chr05	17543069	AA	TT	1940333989
SNP_P1_96202_17553006	NC_021164.1	Ca_kabuli_chr05	17553006	TT	CC	1940333991
SNP_P1_96203_17553011	NC_021164.1	Ca_kabuli_chr05	17553011	AA	GG	1940333992
SNP_P1_96204_17570491	NC_021164.1	Ca_kabuli_chr05	17570491	TT	CC	1940333994
SNP_P1_96205_17575315	NC_021164.1	Ca_kabuli_chr05	17575315	TT	CC	1940333996
SNP_P1_96206_17575344	NC_021164.1	Ca_kabuli_chr05	17575344	TT	CC	1940333998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96208_17575558	NC_021164.1	Ca_kabuli_chr05	17575558	TT	GG	1940334001
SNP_P1_96209_17575572	NC_021164.1	Ca_kabuli_chr05	17575572	GG	AA	1940334003
SNP_P1_96210_17575578	NC_021164.1	Ca_kabuli_chr05	17575578	AA	GG	1940334005
SNP_P1_96211_17575608	NC_021164.1	Ca_kabuli_chr05	17575608	CC	AA	1940334006
SNP_P1_96212_17595543	NC_021164.1	Ca_kabuli_chr05	17595543	AA	TT	1940334008
SNP_P1_96214_17595567	NC_021164.1	Ca_kabuli_chr05	17595567	GG	AA	1940334010
SNP_P1_96215_17595576	NC_021164.1	Ca_kabuli_chr05	17595576	TT	GG	1940334011
SNP_P1_96216_17596186	NC_021164.1	Ca_kabuli_chr05	17596186	CC	TT	1940334013
SNP_P1_96217_17606759	NC_021164.1	Ca_kabuli_chr05	17606759	TT	GG	1940334015
SNP_P1_96218_17610535	NC_021164.1	Ca_kabuli_chr05	17610535	CC	TT	1940334017
SNP_P1_96219_17610646	NC_021164.1	Ca_kabuli_chr05	17610646	CC	TT	1940334018
SNP_P1_96220_17610829	NC_021164.1	Ca_kabuli_chr05	17610829	TT	GG	1940334020
SNP_P1_96221_17610832	NC_021164.1	Ca_kabuli_chr05	17610832	CC	TT	1940334022
SNP_P1_96222_17612346	NC_021164.1	Ca_kabuli_chr05	17612346	GG	AA	1940334023
SNP_P1_96223_17612347	NC_021164.1	Ca_kabuli_chr05	17612347	TT	AA	1940334025
SNP_P1_96224_17612381	NC_021164.1	Ca_kabuli_chr05	17612381	AA	GG	1940334027
SNP_P1_96225_17612405	NC_021164.1	Ca_kabuli_chr05	17612405	CC	AA	1940334028
SNP_P1_96226_17612495	NC_021164.1	Ca_kabuli_chr05	17612495	CC	TT	1940334030
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SNP_P1_96228_17612559	NC_021164.1	Ca_kabuli_chr05	17612559	GG	AA	1940334034
SNP_P1_96230_17612680	NC_021164.1	Ca_kabuli_chr05	17612680	TT	AA	1940334035
SNP_P1_96231_17612718	NC_021164.1	Ca_kabuli_chr05	17612718	TT	AA	1940334037
SNP_P1_96232_17612758	NC_021164.1	Ca_kabuli_chr05	17612758	AA	GG	1940334039
SNP_P1_96233_17612770	NC_021164.1	Ca_kabuli_chr05	17612770	AA	CC	1940334040
SNP_P1_96234_17631270	NC_021164.1	Ca_kabuli_chr05	17631270	AA	CC	1940334042
SNP_P1_96236_17653438	NC_021164.1	Ca_kabuli_chr05	17653438	GG	TT	1940334044
SNP_P1_96237_17655308	NC_021164.1	Ca_kabuli_chr05	17655308	AA	GG	1940334046
SNP_P1_96238_17672076	NC_021164.1	Ca_kabuli_chr05	17672076	CC	GG	1940334047
SNP_P1_96239_17672092	NC_021164.1	Ca_kabuli_chr05	17672092	GG	AA	1940334049
SNP_P1_96240_17672137	NC_021164.1	Ca_kabuli_chr05	17672137	AA	GG	1940334051
SNP_P1_96241_17672313	NC_021164.1	Ca_kabuli_chr05	17672313	GG	CC	1940334052
SNP_P1_96242_17672406	NC_021164.1	Ca_kabuli_chr05	17672406	GG	AA	1940334054
SNP_P1_96243_17672420	NC_021164.1	Ca_kabuli_chr05	17672420	TT	CC	1940334056
SNP_P1_96244_17693889	NC_021164.1	Ca_kabuli_chr05	17693889	TT	CC	1940334058
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SNP_P1_96247_17693909	NC_021164.1	Ca_kabuli_chr05	17693909	CC	TT	1940334061
SNP_P1_96248_17693922	NC_021164.1	Ca_kabuli_chr05	17693922	CC	AA	1940334063
SNP_P1_96249_17694000	NC_021164.1	Ca_kabuli_chr05	17694000	GG	TT	1940334064
SNP_P1_96250_17694337	NC_021164.1	Ca_kabuli_chr05	17694337	AA	CC	1940334066
SNP_P1_96251_17694346	NC_021164.1	Ca_kabuli_chr05	17694346	TT	AA	1940334068
SNP_P1_96252_17697626	NC_021164.1	Ca_kabuli_chr05	17697626	AA	TT	1940334070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96255_17722145	NC_021164.1	Ca_kabuli_chr05	17722145	CC	TT	1940334075
SNP_P1_96257_17758539	NC_021164.1	Ca_kabuli_chr05	17758539	GG	AA	1940334076
SNP_P1_96259_17848749	NC_021164.1	Ca_kabuli_chr05	17848749	AA	CC	1940334078
SNP_P1_96260_17848957	NC_021164.1	Ca_kabuli_chr05	17848957	TT	AA	1940334080
SNP_P1_96261_17858371	NC_021164.1	Ca_kabuli_chr05	17858371	GG	AA	1940334082
SNP_P1_96262_17860968	NC_021164.1	Ca_kabuli_chr05	17860968	AA	GG	1940334083
SNP_P1_96263_17861020	NC_021164.1	Ca_kabuli_chr05	17861020	CC	AA	1940334085
SNP_P1_96264_17866928	NC_021164.1	Ca_kabuli_chr05	17866928	CC	AA	1940334087
SNP_P1_96265_17866931	NC_021164.1	Ca_kabuli_chr05	17866931	AA	GG	1940334088
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SNP_P1_96267_17867094	NC_021164.1	Ca_kabuli_chr05	17867094	GG	AA	1940334092
SNP_P1_96268_17867151	NC_021164.1	Ca_kabuli_chr05	17867151	AA	CC	1940334094
SNP_P1_96269_17867397	NC_021164.1	Ca_kabuli_chr05	17867397	CC	TT	1940334095
SNP_P1_96270_17867498	NC_021164.1	Ca_kabuli_chr05	17867498	GG	AA	1940334097
SNP_P1_96271_17867556	NC_021164.1	Ca_kabuli_chr05	17867556	TT	CC	1940334099
SNP_P1_96273_17867746	NC_021164.1	Ca_kabuli_chr05	17867746	TT	CC	1940334100
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SNP_P1_96277_17867801	NC_021164.1	Ca_kabuli_chr05	17867801	GG	AA	1940334107
SNP_P1_96278_17867844	NC_021164.1	Ca_kabuli_chr05	17867844	TT	GG	1940334109
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SNP_P1_96280_17868077	NC_021164.1	Ca_kabuli_chr05	17868077	CC	TT	1940334112
SNP_P1_96281_17868083	NC_021164.1	Ca_kabuli_chr05	17868083	TT	GG	1940334114
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SNP_P1_96284_17868162	NC_021164.1	Ca_kabuli_chr05	17868162	TT	CC	1940334119
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SNP_P1_96286_17868231	NC_021164.1	Ca_kabuli_chr05	17868231	CC	AA	1940334123
SNP_P1_96287_17868931	NC_021164.1	Ca_kabuli_chr05	17868931	AA	GG	1940334124
SNP_P1_96288_17870416	NC_021164.1	Ca_kabuli_chr05	17870416	TT	CC	1940334126
SNP_P1_96289_17874796	NC_021164.1	Ca_kabuli_chr05	17874796	CC	GG	1940334128
SNP_P1_96290_17876433	NC_021164.1	Ca_kabuli_chr05	17876433	GG	AA	1940334130
SNP_P1_96292_17876580	NC_021164.1	Ca_kabuli_chr05	17876580	GG	TT	1940334131
SNP_P1_96293_17876602	NC_021164.1	Ca_kabuli_chr05	17876602	CC	TT	1940334133
SNP_P1_96294_17876608	NC_021164.1	Ca_kabuli_chr05	17876608	AA	CC	1940334135
SNP_P1_96295_17876611	NC_021164.1	Ca_kabuli_chr05	17876611	TT	AA	1940334136
SNP_P1_96297_17876891	NC_021164.1	Ca_kabuli_chr05	17876891	CC	GG	1940334138
SNP_P1_96298_17877144	NC_021164.1	Ca_kabuli_chr05	17877144	TT	CC	1940334140
SNP_P1_96299_17887769	NC_021164.1	Ca_kabuli_chr05	17887769	TT	CC	1940334142

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_96300_17899625	NC_021164.1	Ca_kabuli_chr05	17899625	CC	TT	1940334143
SNP_P1_96301_17899727	NC_021164.1	Ca_kabuli_chr05	17899727	AA	TT	1940334145
SNP_P1_96302_17899737	NC_021164.1	Ca_kabuli_chr05	17899737	TT	AA	1940334147
SNP_P1_96303_17900074	NC_021164.1	Ca_kabuli_chr05	17900074	AA	TT	1940334148
SNP_P1_96304_17900091	NC_021164.1	Ca_kabuli_chr05	17900091	CC	TT	1940334150
SNP_P1_96305_17900095	NC_021164.1	Ca_kabuli_chr05	17900095	AA	GG	1940334152
SNP_P1_96306_17900124	NC_021164.1	Ca_kabuli_chr05	17900124	CC	TT	1940334154
SNP_P1_96307_17911982	NC_021164.1	Ca_kabuli_chr05	17911982	GG	AA	1940334155
SNP_P1_96308_17917230	NC_021164.1	Ca_kabuli_chr05	17917230	AA	CC	1940334157
SNP_P1_96312_17960418	NC_021164.1	Ca_kabuli_chr05	17960418	AA	CC	1940334159
SNP_P1_96313_17987711	NC_021164.1	Ca_kabuli_chr05	17987711	AA	CC	1940334160
SNP_P1_96314_18003629	NC_021164.1	Ca_kabuli_chr05	18003629	GG	AA	1940334162
SNP_P1_96315_18023467	NC_021164.1	Ca_kabuli_chr05	18023467	CC	TT	1940334164
SNP_P1_96317_18046658	NC_021164.1	Ca_kabuli_chr05	18046658	GG	AA	1940334166
SNP_P1_96319_18061208	NC_021164.1	Ca_kabuli_chr05	18061208	AA	TT	1940334167
SNP_P1_96320_18061209	NC_021164.1	Ca_kabuli_chr05	18061209	AA	TT	1940334169
SNP_P1_96322_18062620	NC_021164.1	Ca_kabuli_chr05	18062620	CC	TT	1940334171
SNP_P1_96323_18078809	NC_021164.1	Ca_kabuli_chr05	18078809	AA	CC	1940334172
SNP_P1_96324_18078976	NC_021164.1	Ca_kabuli_chr05	18078976	GG	TT	1940334174
SNP_P1_96325_18079120	NC_021164.1	Ca_kabuli_chr05	18079120	CC	TT	1940334176
SNP_P1_96326_18079206	NC_021164.1	Ca_kabuli_chr05	18079206	GG	AA	1940334178
SNP_P1_96327_18088812	NC_021164.1	Ca_kabuli_chr05	18088812	TT	AA	1940334179
SNP_P1_96328_18089601	NC_021164.1	Ca_kabuli_chr05	18089601	AA	GG	1940334181
SNP_P1_96329_18105443	NC_021164.1	Ca_kabuli_chr05	18105443	CC	TT	1940334183
SNP_P1_96330_18111420	NC_021164.1	Ca_kabuli_chr05	18111420	AA	GG	1940334184
SNP_P1_96331_18111431	NC_021164.1	Ca_kabuli_chr05	18111431	AA	GG	1940334186
SNP_P1_96332_18111447	NC_021164.1	Ca_kabuli_chr05	18111447	AA	CC	1940334188
SNP_P1_96333_18111697	NC_021164.1	Ca_kabuli_chr05	18111697	AA	GG	1940334190
SNP_P1_96334_18126688	NC_021164.1	Ca_kabuli_chr05	18126688	TT	GG	1940334191
SNP_P1_96335_18126696	NC_021164.1	Ca_kabuli_chr05	18126696	GG	AA	1940334193
SNP_P1_96336_18126697	NC_021164.1	Ca_kabuli_chr05	18126697	GG	CC	1940334195
SNP_P1_96337_18127054	NC_021164.1	Ca_kabuli_chr05	18127054	AA	GG	1940334196
SNP_P1_96338_18127075	NC_021164.1	Ca_kabuli_chr05	18127075	TT	CC	1940334198
SNP_P1_96339_18127091	NC_021164.1	Ca_kabuli_chr05	18127091	TT	GG	1940334200
SNP_P1_96340_18136075	NC_021164.1	Ca_kabuli_chr05	18136075	TT	CC	1940334202
SNP_P1_96342_18167755	NC_021164.1	Ca_kabuli_chr05	18167755	AA	CC	1940334203
SNP_P1_96343_18167757	NC_021164.1	Ca_kabuli_chr05	18167757	AA	CC	1940334205
SNP_P1_96346_18198486	NC_021164.1	Ca_kabuli_chr05	18198486	TT	AA	1940334207
SNP_P1_96347_18199695	NC_021164.1	Ca_kabuli_chr05	18199695	TT	CC	1940334208
SNP_P1_96348_18201139	NC_021164.1	Ca_kabuli_chr05	18201139	AA	CC	1940334210
SNP_P1_96349_18201171	NC_021164.1	Ca_kabuli_chr05	18201171	GG	TT	1940334212
SNP_P1_96350_18201657	NC_021164.1	Ca_kabuli_chr05	18201657	CC	TT	1940334214

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96352_18210001	NC_021164.1	Ca_kabuli_chr05	18210001	AA	GG	1940334217
SNP_P1_96353_18210011	NC_021164.1	Ca_kabuli_chr05	18210011	GG	AA	1940334219
SNP_P1_96354_18210072	NC_021164.1	Ca_kabuli_chr05	18210072	CC	TT	1940334220
SNP_P1_96355_18210456	NC_021164.1	Ca_kabuli_chr05	18210456	AA	GG	1940334222
SNP_P1_96356_18233194	NC_021164.1	Ca_kabuli_chr05	18233194	TT	CC	1940334224
SNP_P1_96357_18245788	NC_021164.1	Ca_kabuli_chr05	18245788	GG	AA	1940334226
SNP_P1_96358_18280514	NC_021164.1	Ca_kabuli_chr05	18280514	AA	TT	1940334227
SNP_P1_96359_18280655	NC_021164.1	Ca_kabuli_chr05	18280655	GG	AA	1940334229
SNP_P1_96360_18280672	NC_021164.1	Ca_kabuli_chr05	18280672	TT	CC	1940334231
SNP_P1_96361_18280718	NC_021164.1	Ca_kabuli_chr05	18280718	TT	CC	1940334232
SNP_P1_96362_18282679	NC_021164.1	Ca_kabuli_chr05	18282679	AA	GG	1940334234
SNP_P1_96363_18282707	NC_021164.1	Ca_kabuli_chr05	18282707	CC	AA	1940334236
SNP_P1_96364_18282715	NC_021164.1	Ca_kabuli_chr05	18282715	AA	TT	1940334238
SNP_P1_96365_18282835	NC_021164.1	Ca_kabuli_chr05	18282835	TT	CC	1940334239
SNP_P1_96366_18282849	NC_021164.1	Ca_kabuli_chr05	18282849	TT	CC	1940334241
SNP_P1_96367_18282873	NC_021164.1	Ca_kabuli_chr05	18282873	AA	CC	1940334243
SNP_P1_96368_18282875	NC_021164.1	Ca_kabuli_chr05	18282875	TT	GG	1940334244
SNP_P1_96369_18282916	NC_021164.1	Ca_kabuli_chr05	18282916	TT	CC	1940334246
SNP_P1_96370_18282944	NC_021164.1	Ca_kabuli_chr05	18282944	TT	CC	1940334248
SNP_P1_96371_18282952	NC_021164.1	Ca_kabuli_chr05	18282952	CC	TT	1940334250
SNP_P1_96372_18282985	NC_021164.1	Ca_kabuli_chr05	18282985	CC	TT	1940334251
SNP_P1_96373_18282988	NC_021164.1	Ca_kabuli_chr05	18282988	GG	AA	1940334253
SNP_P1_96374_18282997	NC_021164.1	Ca_kabuli_chr05	18282997	TT	CC	1940334255
SNP_P1_96375_18283009	NC_021164.1	Ca_kabuli_chr05	18283009	GG	AA	1940334256
SNP_P1_96376_18283197	NC_021164.1	Ca_kabuli_chr05	18283197	TT	CC	1940334258
SNP_P1_96377_18283237	NC_021164.1	Ca_kabuli_chr05	18283237	AA	GG	1940334260
SNP_P1_96378_18285826	NC_021164.1	Ca_kabuli_chr05	18285826	CC	TT	1940334262
SNP_P1_96379_18286181	NC_021164.1	Ca_kabuli_chr05	18286181	TT	CC	1940334263
SNP_P1_96380_18290490	NC_021164.1	Ca_kabuli_chr05	18290490	TT	AA	1940334265
SNP_P1_96383_18314132	NC_021164.1	Ca_kabuli_chr05	18314132	CC	TT	1940334267
SNP_P1_96384_18314276	NC_021164.1	Ca_kabuli_chr05	18314276	TT	AA	1940334268
SNP_P1_96385_18314463	NC_021164.1	Ca_kabuli_chr05	18314463	GG	AA	1940334270
SNP_P1_96386_18314465	NC_021164.1	Ca_kabuli_chr05	18314465	TT	CC	1940334272
SNP_P1_96387_18314495	NC_021164.1	Ca_kabuli_chr05	18314495	TT	GG	1940334274
SNP_P1_96388_18314500	NC_021164.1	Ca_kabuli_chr05	18314500	GG	CC	1940334275
SNP_P1_96389_18318680	NC_021164.1	Ca_kabuli_chr05	18318680	CC	TT	1940334277
SNP_P1_96390_18318702	NC_021164.1	Ca_kabuli_chr05	18318702	TT	CC	1940334279
SNP_P1_96391_18318709	NC_021164.1	Ca_kabuli_chr05	18318709	AA	GG	1940334280
SNP_P1_96392_18319890	NC_021164.1	Ca_kabuli_chr05	18319890	AA	GG	1940334282
SNP_P1_96393_18320172	NC_021164.1	Ca_kabuli_chr05	18320172	AA	GG	1940334284
SNP_P1_96394_18320181	NC_021164.1	Ca_kabuli_chr05	18320181	GG	AA	1940334286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96396_18320280	NC_021164.1	Ca_kabuli_chr05	18320280	AA	GG	1940334289
SNP_P1_96397_18320355	NC_021164.1	Ca_kabuli_chr05	18320355	TT	GG	1940334291
SNP_P1_96398_18320598	NC_021164.1	Ca_kabuli_chr05	18320598	CC	AA	1940334292
SNP_P1_96399_18325015	NC_021164.1	Ca_kabuli_chr05	18325015	AA	GG	1940334294
SNP_P1_96400_18325448	NC_021164.1	Ca_kabuli_chr05	18325448	TT	CC	1940334296
SNP_P1_96401_18327177	NC_021164.1	Ca_kabuli_chr05	18327177	AA	GG	1940334298
SNP_P1_96403_18365592	NC_021164.1	Ca_kabuli_chr05	18365592	AA	GG	1940334299
SNP_P1_96405_18410499	NC_021164.1	Ca_kabuli_chr05	18410499	CC	TT	1940334301
SNP_P1_96406_18416313	NC_021164.1	Ca_kabuli_chr05	18416313	AA	GG	1940334303
SNP_P1_96407_18428781	NC_021164.1	Ca_kabuli_chr05	18428781	TT	CC	1940334304
SNP_P1_96409_18431838	NC_021164.1	Ca_kabuli_chr05	18431838	TT	CC	1940334306
SNP_P1_96410_18433118	NC_021164.1	Ca_kabuli_chr05	18433118	AA	CC	1940334308
SNP_P1_96411_18496801	NC_021164.1	Ca_kabuli_chr05	18496801	GG	AA	1940334310
SNP_P1_96412_18498004	NC_021164.1	Ca_kabuli_chr05	18498004	CC	TT	1940334311
SNP_P1_96413_18498005	NC_021164.1	Ca_kabuli_chr05	18498005	AA	TT	1940334313
SNP_P1_96414_18498030	NC_021164.1	Ca_kabuli_chr05	18498030	AA	GG	1940334315
SNP_P1_96415_18498031	NC_021164.1	Ca_kabuli_chr05	18498031	AA	GG	1940334316
SNP_P1_96416_18498077	NC_021164.1	Ca_kabuli_chr05	18498077	GG	TT	1940334318
SNP_P1_96417_18498079	NC_021164.1	Ca_kabuli_chr05	18498079	AA	TT	1940334320
SNP_P1_96418_18498094	NC_021164.1	Ca_kabuli_chr05	18498094	TT	GG	1940334322
SNP_P1_96419_18498292	NC_021164.1	Ca_kabuli_chr05	18498292	AA	GG	1940334323
SNP_P1_96420_18501496	NC_021164.1	Ca_kabuli_chr05	18501496	AA	GG	1940334325
SNP_P1_96421_18515115	NC_021164.1	Ca_kabuli_chr05	18515115	TT	GG	1940334327
SNP_P1_96422_18518250	NC_021164.1	Ca_kabuli_chr05	18518250	CC	AA	1940334328
SNP_P1_96423_18518275	NC_021164.1	Ca_kabuli_chr05	18518275	AA	GG	1940334330
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SNP_P1_96426_18539319	NC_021164.1	Ca_kabuli_chr05	18539319	CC	TT	1940334334
SNP_P1_96427_18556338	NC_021164.1	Ca_kabuli_chr05	18556338	AA	TT	1940334335
SNP_P1_96428_18556632	NC_021164.1	Ca_kabuli_chr05	18556632	AA	GG	1940334337
SNP_P1_96429_18556633	NC_021164.1	Ca_kabuli_chr05	18556633	GG	AA	1940334339
SNP_P1_96430_18556792	NC_021164.1	Ca_kabuli_chr05	18556792	AA	CC	1940334340
SNP_P1_96431_18556823	NC_021164.1	Ca_kabuli_chr05	18556823	AA	GG	1940334342
SNP_P1_96432_18556829	NC_021164.1	Ca_kabuli_chr05	18556829	GG	AA	1940334344
SNP_P1_96435_18590368	NC_021164.1	Ca_kabuli_chr05	18590368	TT	AA	1940334346
SNP_P1_96436_18590395	NC_021164.1	Ca_kabuli_chr05	18590395	TT	AA	1940334347
SNP_P1_96437_18590427	NC_021164.1	Ca_kabuli_chr05	18590427	GG	TT	1940334349
SNP_P1_96438_18590692	NC_021164.1	Ca_kabuli_chr05	18590692	CC	TT	1940334351
SNP_P1_96439_18590738	NC_021164.1	Ca_kabuli_chr05	18590738	AA	GG	1940334352
SNP_P1_96440_18590750	NC_021164.1	Ca_kabuli_chr05	18590750	TT	CC	1940334354
SNP_P1_96441_18592975	NC_021164.1	Ca_kabuli_chr05	18592975	TT	AA	1940334356
SNP_P1_96442_18592979	NC_021164.1	Ca_kabuli_chr05	18592979	AA	GG	1940334358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96444_18593104	NC_021164.1	Ca_kabuli_chr05	18593104	AA	GG	1940334361
SNP_P1_96445_18593106	NC_021164.1	Ca_kabuli_chr05	18593106	GG	TT	1940334363
SNP_P1_96446_18593110	NC_021164.1	Ca_kabuli_chr05	18593110	AA	GG	1940334364
SNP_P1_96447_18593141	NC_021164.1	Ca_kabuli_chr05	18593141	AA	GG	1940334366
SNP_P1_96448_18593146	NC_021164.1	Ca_kabuli_chr05	18593146	AA	GG	1940334368
SNP_P1_96449_18593178	NC_021164.1	Ca_kabuli_chr05	18593178	TT	GG	1940334370
SNP_P1_96450_18593202	NC_021164.1	Ca_kabuli_chr05	18593202	AA	GG	1940334371
SNP_P1_96451_18593223	NC_021164.1	Ca_kabuli_chr05	18593223	TT	GG	1940334373
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SNP_P1_96454_18593403	NC_021164.1	Ca_kabuli_chr05	18593403	AA	GG	1940334378
SNP_P1_96456_18593642	NC_021164.1	Ca_kabuli_chr05	18593642	GG	AA	1940334380
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SNP_P1_96458_18593830	NC_021164.1	Ca_kabuli_chr05	18593830	GG	AA	1940334383
SNP_P1_96460_18593932	NC_021164.1	Ca_kabuli_chr05	18593932	AA	GG	1940334385
SNP_P1_96461_18593958	NC_021164.1	Ca_kabuli_chr05	18593958	AA	GG	1940334387
SNP_P1_96462_18593960	NC_021164.1	Ca_kabuli_chr05	18593960	GG	TT	1940334388
SNP_P1_96463_18594132	NC_021164.1	Ca_kabuli_chr05	18594132	GG	TT	1940334390
SNP_P1_96464_18594240	NC_021164.1	Ca_kabuli_chr05	18594240	GG	AA	1940334392
SNP_P1_96465_18594303	NC_021164.1	Ca_kabuli_chr05	18594303	AA	TT	1940334394
SNP_P1_96466_18616507	NC_021164.1	Ca_kabuli_chr05	18616507	TT	CC	1940334395
SNP_P1_96468_18628596	NC_021164.1	Ca_kabuli_chr05	18628596	TT	GG	1940334397
SNP_P1_96469_18646991	NC_021164.1	Ca_kabuli_chr05	18646991	GG	AA	1940334399
SNP_P1_96470_18678592	NC_021164.1	Ca_kabuli_chr05	18678592	TT	GG	1940334400
SNP_P1_96471_18678615	NC_021164.1	Ca_kabuli_chr05	18678615	TT	CC	1940334402
SNP_P1_96472_18678649	NC_021164.1	Ca_kabuli_chr05	18678649	AA	GG	1940334404
SNP_P1_96473_18678701	NC_021164.1	Ca_kabuli_chr05	18678701	AA	CC	1940334406
SNP_P1_96474_18678703	NC_021164.1	Ca_kabuli_chr05	18678703	GG	CC	1940334407
SNP_P1_96475_18678723	NC_021164.1	Ca_kabuli_chr05	18678723	AA	CC	1940334409
SNP_P1_96476_18678736	NC_021164.1	Ca_kabuli_chr05	18678736	AA	CC	1940334411
SNP_P1_96477_18679655	NC_021164.1	Ca_kabuli_chr05	18679655	AA	GG	1940334412
SNP_P1_96478_18679660	NC_021164.1	Ca_kabuli_chr05	18679660	GG	CC	1940334414
SNP_P1_96479_18679730	NC_021164.1	Ca_kabuli_chr05	18679730	TT	CC	1940334416
SNP_P1_96480_18679734	NC_021164.1	Ca_kabuli_chr05	18679734	AA	CC	1940334418
SNP_P1_96481_18679737	NC_021164.1	Ca_kabuli_chr05	18679737	TT	CC	1940334419
SNP_P1_96482_18682921	NC_021164.1	Ca_kabuli_chr05	18682921	GG	AA	1940334421
SNP_P1_96483_18683047	NC_021164.1	Ca_kabuli_chr05	18683047	GG	CC	1940334423
SNP_P1_96484_18683064	NC_021164.1	Ca_kabuli_chr05	18683064	TT	CC	1940334424
SNP_P1_96485_18683067	NC_021164.1	Ca_kabuli_chr05	18683067	AA	GG	1940334426
SNP_P1_96486_18683174	NC_021164.1	Ca_kabuli_chr05	18683174	AA	GG	1940334428
SNP_P1_96488_18683922	NC_021164.1	Ca_kabuli_chr05	18683922	AA	TT	1940334430

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96490_18684009	NC_021164.1	Ca_kabuli_chr05	18684009	AA	CC	1940334433
SNP_P1_96491_18684021	NC_021164.1	Ca_kabuli_chr05	18684021	CC	TT	1940334435
SNP_P1_96492_18694562	NC_021164.1	Ca_kabuli_chr05	18694562	AA	GG	1940334436
SNP_P1_96493_18694592	NC_021164.1	Ca_kabuli_chr05	18694592	CC	TT	1940334438
SNP_P1_96494_18694638	NC_021164.1	Ca_kabuli_chr05	18694638	CC	TT	1940334440
SNP_P1_96495_18706401	NC_021164.1	Ca_kabuli_chr05	18706401	GG	AA	1940334442
SNP_P1_96496_18711385	NC_021164.1	Ca_kabuli_chr05	18711385	AA	GG	1940334443
SNP_P1_96497_18712620	NC_021164.1	Ca_kabuli_chr05	18712620	GG	TT	1940334445
SNP_P1_96498_18714858	NC_021164.1	Ca_kabuli_chr05	18714858	CC	TT	1940334447
SNP_P1_96499_18786520	NC_021164.1	Ca_kabuli_chr05	18786520	CC	TT	1940334448
SNP_P1_96500_18794034	NC_021164.1	Ca_kabuli_chr05	18794034	CC	AA	1940334450
SNP_P1_96501_18794039	NC_021164.1	Ca_kabuli_chr05	18794039	TT	CC	1940334452
SNP_P1_96502_18794048	NC_021164.1	Ca_kabuli_chr05	18794048	GG	AA	1940334454
SNP_P1_96503_18794060	NC_021164.1	Ca_kabuli_chr05	18794060	AA	GG	1940334455
SNP_P1_96504_18794069	NC_021164.1	Ca_kabuli_chr05	18794069	AA	GG	1940334457
SNP_P1_96505_18794114	NC_021164.1	Ca_kabuli_chr05	18794114	GG	AA	1940334459
SNP_P1_96506_18794142	NC_021164.1	Ca_kabuli_chr05	18794142	TT	CC	1940334460
SNP_P1_96507_18794162	NC_021164.1	Ca_kabuli_chr05	18794162	TT	CC	1940334462
SNP_P1_96508_18794174	NC_021164.1	Ca_kabuli_chr05	18794174	TT	CC	1940334464
SNP_P1_96509_18820952	NC_021164.1	Ca_kabuli_chr05	18820952	TT	AA	1940334466
SNP_P1_96510_18828470	NC_021164.1	Ca_kabuli_chr05	18828470	CC	GG	1940334467
SNP_P1_96511_18831778	NC_021164.1	Ca_kabuli_chr05	18831778	AA	CC	1940334469
SNP_P1_96512_18831787	NC_021164.1	Ca_kabuli_chr05	18831787	GG	AA	1940334471
SNP_P1_96513_18834783	NC_021164.1	Ca_kabuli_chr05	18834783	TT	GG	1940334472
SNP_P1_96514_18834908	NC_021164.1	Ca_kabuli_chr05	18834908	CC	AA	1940334474
SNP_P1_96515_18846053	NC_021164.1	Ca_kabuli_chr05	18846053	AA	GG	1940334476
SNP_P1_96516_18846111	NC_021164.1	Ca_kabuli_chr05	18846111	AA	GG	1940334478
SNP_P1_96517_18846112	NC_021164.1	Ca_kabuli_chr05	18846112	AA	GG	1940334479
SNP_P1_96518_18869370	NC_021164.1	Ca_kabuli_chr05	18869370	TT	CC	1940334481
SNP_P1_96519_18869478	NC_021164.1	Ca_kabuli_chr05	18869478	TT	GG	1940334483
SNP_P1_96520_18877086	NC_021164.1	Ca_kabuli_chr05	18877086	AA	CC	1940334484
SNP_P1_96521_18888650	NC_021164.1	Ca_kabuli_chr05	18888650	AA	CC	1940334486
SNP_P1_96522_18923780	NC_021164.1	Ca_kabuli_chr05	18923780	AA	GG	1940334488
SNP_P1_96523_18923834	NC_021164.1	Ca_kabuli_chr05	18923834	AA	TT	1940334490
SNP_P1_96524_18944145	NC_021164.1	Ca_kabuli_chr05	18944145	GG	CC	1940334491
SNP_P1_96525_18944209	NC_021164.1	Ca_kabuli_chr05	18944209	CC	TT	1940334493
SNP_P1_96526_18944273	NC_021164.1	Ca_kabuli_chr05	18944273	GG	AA	1940334495
SNP_P1_96527_18944292	NC_021164.1	Ca_kabuli_chr05	18944292	AA	TT	1940334496
SNP_P1_96528_18944294	NC_021164.1	Ca_kabuli_chr05	18944294	GG	AA	1940334498
SNP_P1_96529_18944340	NC_021164.1	Ca_kabuli_chr05	18944340	CC	TT	1940334500
SNP_P1_96530_18944364	NC_021164.1	Ca_kabuli_chr05	18944364	TT	GG	1940334502

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96532_18944501	NC_021164.1	Ca_kabuli_chr05	18944501	CC	TT	1940334505
SNP_P1_96533_18944543	NC_021164.1	Ca_kabuli_chr05	18944543	AA	CC	1940334507
SNP_P1_96534_18944547	NC_021164.1	Ca_kabuli_chr05	18944547	GG	CC	1940334508
SNP_P1_96535_18944571	NC_021164.1	Ca_kabuli_chr05	18944571	AA	TT	1940334510
SNP_P1_96536_18944613	NC_021164.1	Ca_kabuli_chr05	18944613	GG	AA	1940334512
SNP_P1_96538_18944719	NC_021164.1	Ca_kabuli_chr05	18944719	TT	AA	1940334514
SNP_P1_96539_18944725	NC_021164.1	Ca_kabuli_chr05	18944725	TT	GG	1940334515
SNP_P1_96540_18945599	NC_021164.1	Ca_kabuli_chr05	18945599	GG	AA	1940334517
SNP_P1_96541_18947827	NC_021164.1	Ca_kabuli_chr05	18947827	AA	CC	1940334519
SNP_P1_96543_19306189	NC_021164.1	Ca_kabuli_chr05	19306189	CC	AA	1940334520
SNP_P1_96544_19308138	NC_021164.1	Ca_kabuli_chr05	19308138	AA	TT	1940334522
SNP_P1_96545_19315676	NC_021164.1	Ca_kabuli_chr05	19315676	GG	CC	1940334524
SNP_P1_96546_19323536	NC_021164.1	Ca_kabuli_chr05	19323536	GG	AA	1940334526
SNP_P1_96547_19326951	NC_021164.1	Ca_kabuli_chr05	19326951	AA	GG	1940334527
SNP_P1_96548_19331791	NC_021164.1	Ca_kabuli_chr05	19331791	CC	TT	1940334529
SNP_P1_96549_19331809	NC_021164.1	Ca_kabuli_chr05	19331809	TT	CC	1940334531
SNP_P1_96550_19331816	NC_021164.1	Ca_kabuli_chr05	19331816	TT	AA	1940334532
SNP_P1_96551_19331869	NC_021164.1	Ca_kabuli_chr05	19331869	CC	TT	1940334534
SNP_P1_96553_19351459	NC_021164.1	Ca_kabuli_chr05	19351459	GG	CC	1940334536
SNP_P1_96555_19375029	NC_021164.1	Ca_kabuli_chr05	19375029	CC	TT	1940334538
SNP_P1_96556_19375034	NC_021164.1	Ca_kabuli_chr05	19375034	GG	AA	1940334539
SNP_P1_96557_19375035	NC_021164.1	Ca_kabuli_chr05	19375035	CC	TT	1940334541
SNP_P1_96558_19375042	NC_021164.1	Ca_kabuli_chr05	19375042	CC	AA	1940334543
SNP_P1_96559_19375062	NC_021164.1	Ca_kabuli_chr05	19375062	CC	TT	1940334544
SNP_P1_96560_19375063	NC_021164.1	Ca_kabuli_chr05	19375063	AA	CC	1940334546
SNP_P1_96561_19375091	NC_021164.1	Ca_kabuli_chr05	19375091	AA	CC	1940334548
SNP_P1_96562_19375101	NC_021164.1	Ca_kabuli_chr05	19375101	TT	AA	1940334550
SNP_P1_96563_19375108	NC_021164.1	Ca_kabuli_chr05	19375108	GG	AA	1940334551
SNP_P1_96564_19375127	NC_021164.1	Ca_kabuli_chr05	19375127	GG	CC	1940334553
SNP_P1_96565_19385578	NC_021164.1	Ca_kabuli_chr05	19385578	TT	GG	1940334555
SNP_P1_96566_19385864	NC_021164.1	Ca_kabuli_chr05	19385864	AA	TT	1940334556
SNP_P1_96567_19385900	NC_021164.1	Ca_kabuli_chr05	19385900	AA	GG	1940334558
SNP_P1_96568_19385951	NC_021164.1	Ca_kabuli_chr05	19385951	CC	TT	1940334560
SNP_P1_96569_19385953	NC_021164.1	Ca_kabuli_chr05	19385953	AA	TT	1940334562
SNP_P1_96570_19385973	NC_021164.1	Ca_kabuli_chr05	19385973	AA	GG	1940334563
SNP_P1_96571_19385978	NC_021164.1	Ca_kabuli_chr05	19385978	TT	AA	1940334565
SNP_P1_96572_19386391	NC_021164.1	Ca_kabuli_chr05	19386391	CC	AA	1940334567
SNP_P1_96573_19386493	NC_021164.1	Ca_kabuli_chr05	19386493	TT	CC	1940334568
SNP_P1_96575_19386627	NC_021164.1	Ca_kabuli_chr05	19386627	TT	AA	1940334570
SNP_P1_96576_19386643	NC_021164.1	Ca_kabuli_chr05	19386643	AA	GG	1940334572
SNP_P1_96577_19386682	NC_021164.1	Ca_kabuli_chr05	19386682	TT	AA	1940334574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_96578_19386704	NC_021164.1	Ca_kabuli_chr05	19386704	TT	GG	1940334575
SNP_P1_96579_19386720	NC_021164.1	Ca_kabuli_chr05	19386720	GG	AA	1940334577
SNP_P1_96580_19386920	NC_021164.1	Ca_kabuli_chr05	19386920	CC	TT	1940334579
SNP_P1_96581_19387085	NC_021164.1	Ca_kabuli_chr05	19387085	GG	CC	1940334580
SNP_P1_96583_19399641	NC_021164.1	Ca_kabuli_chr05	19399641	GG	AA	1940334582
SNP_P1_96584_19442031	NC_021164.1	Ca_kabuli_chr05	19442031	GG	AA	1940334584
SNP_P1_96585_19455151	NC_021164.1	Ca_kabuli_chr05	19455151	TT	AA	1940334586
SNP_P1_96586_19457452	NC_021164.1	Ca_kabuli_chr05	19457452	AA	GG	1940334587
SNP_P1_96587_19477821	NC_021164.1	Ca_kabuli_chr05	19477821	TT	GG	1940334589
SNP_P1_96588_19477902	NC_021164.1	Ca_kabuli_chr05	19477902	AA	GG	1940334591
SNP_P1_96589_19477973	NC_021164.1	Ca_kabuli_chr05	19477973	TT	CC	1940334592
SNP_P1_96590_19477974	NC_021164.1	Ca_kabuli_chr05	19477974	AA	GG	1940334594
SNP_P1_96591_19477998	NC_021164.1	Ca_kabuli_chr05	19477998	AA	CC	1940334595
SNP_P1_96592_19478219	NC_021164.1	Ca_kabuli_chr05	19478219	TT	AA	1940334597
SNP_P1_96593_19478360	NC_021164.1	Ca_kabuli_chr05	19478360	AA	GG	1940334598
SNP_P1_96594_19478390	NC_021164.1	Ca_kabuli_chr05	19478390	TT	CC	1940334600
SNP_P1_96595_19478393	NC_021164.1	Ca_kabuli_chr05	19478393	AA	GG	1940334602
SNP_P1_96597_19481097	NC_021164.1	Ca_kabuli_chr05	19481097	AA	TT	1940334604
SNP_P1_96598_19481098	NC_021164.1	Ca_kabuli_chr05	19481098	TT	AA	1940334605
SNP_P1_96599_19481099	NC_021164.1	Ca_kabuli_chr05	19481099	AA	CC	1940334607
SNP_P1_96600_19482511	NC_021164.1	Ca_kabuli_chr05	19482511	AA	GG	1940334609
SNP_P1_96601_19482695	NC_021164.1	Ca_kabuli_chr05	19482695	GG	AA	1940334610
SNP_P1_96602_19482751	NC_021164.1	Ca_kabuli_chr05	19482751	CC	TT	1940334612
SNP_P1_96603_19482758	NC_021164.1	Ca_kabuli_chr05	19482758	AA	GG	1940334614
SNP_P1_96604_19482763	NC_021164.1	Ca_kabuli_chr05	19482763	AA	GG	1940334616
SNP_P1_96605_19483120	NC_021164.1	Ca_kabuli_chr05	19483120	TT	CC	1940334617
SNP_P1_96606_19483138	NC_021164.1	Ca_kabuli_chr05	19483138	CC	GG	1940334619
SNP_P1_96607_19497458	NC_021164.1	Ca_kabuli_chr05	19497458	AA	GG	1940334621
SNP_P1_96608_19498200	NC_021164.1	Ca_kabuli_chr05	19498200	CC	AA	1940334622
SNP_P1_96609_19498331	NC_021164.1	Ca_kabuli_chr05	19498331	GG	TT	1940334624
SNP_P1_96610_19498692	NC_021164.1	Ca_kabuli_chr05	19498692	AA	GG	1940334626
SNP_P1_96611_19531083	NC_021164.1	Ca_kabuli_chr05	19531083	AA	GG	1940334628
SNP_P1_96612_19531091	NC_021164.1	Ca_kabuli_chr05	19531091	GG	AA	1940334629
SNP_P1_96613_19533871	NC_021164.1	Ca_kabuli_chr05	19533871	TT	CC	1940334631
SNP_P1_96614_19533911	NC_021164.1	Ca_kabuli_chr05	19533911	CC	GG	1940334633
SNP_P1_96615_19533955	NC_021164.1	Ca_kabuli_chr05	19533955	TT	CC	1940334634
SNP_P1_96616_19533992	NC_021164.1	Ca_kabuli_chr05	19533992	CC	TT	1940334636
SNP_P1_96617_19534218	NC_021164.1	Ca_kabuli_chr05	19534218	CC	TT	1940334638
SNP_P1_96618_19534356	NC_021164.1	Ca_kabuli_chr05	19534356	TT	CC	1940334640
SNP_P1_96619_19536081	NC_021164.1	Ca_kabuli_chr05	19536081	TT	CC	1940334641
SNP_P1_96620_19537116	NC_021164.1	Ca_kabuli_chr05	19537116	GG	AA	1940334643
SNP_P1_96621_19538853	NC_021164.1	Ca_kabuli_chr05	19538853	GG	AA	1940334645

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_96622_19538882	NC_021164.1	Ca_kabuli_chr05	19538882	TT	GG	1940334646
SNP_P1_96623_19542567	NC_021164.1	Ca_kabuli_chr05	19542567	AA	TT	1940334648
SNP_P1_96624_19542577	NC_021164.1	Ca_kabuli_chr05	19542577	CC	AA	1940334650
SNP_P1_96625_19542738	NC_021164.1	Ca_kabuli_chr05	19542738	AA	GG	1940334652
SNP_P1_96626_19542766	NC_021164.1	Ca_kabuli_chr05	19542766	AA	GG	1940334653
SNP_P1_96628_19544987	NC_021164.1	Ca_kabuli_chr05	19544987	GG	TT	1940334655
SNP_P1_96629_19545066	NC_021164.1	Ca_kabuli_chr05	19545066	TT	AA	1940334657
SNP_P1_96630_19545067	NC_021164.1	Ca_kabuli_chr05	19545067	GG	AA	1940334658
SNP_P1_96631_19545068	NC_021164.1	Ca_kabuli_chr05	19545068	GG	CC	1940334660
SNP_P1_96632_19545111	NC_021164.1	Ca_kabuli_chr05	19545111	TT	CC	1940334662
SNP_P1_96633_19545167	NC_021164.1	Ca_kabuli_chr05	19545167	AA	CC	1940334664
SNP_P1_96634_19545177	NC_021164.1	Ca_kabuli_chr05	19545177	AA	GG	1940334665
SNP_P1_96635_19545389	NC_021164.1	Ca_kabuli_chr05	19545389	TT	AA	1940334667
SNP_P1_96636_19545488	NC_021164.1	Ca_kabuli_chr05	19545488	AA	GG	1940334669
SNP_P1_96637_19545525	NC_021164.1	Ca_kabuli_chr05	19545525	TT	CC	1940334670
SNP_P1_96638_19577607	NC_021164.1	Ca_kabuli_chr05	19577607	AA	CC	1940334672
SNP_P1_96640_19590084	NC_021164.1	Ca_kabuli_chr05	19590084	TT	CC	1940334674
SNP_P1_96641_19590149	NC_021164.1	Ca_kabuli_chr05	19590149	GG	TT	1940334675
SNP_P1_96642_19590673	NC_021164.1	Ca_kabuli_chr05	19590673	TT	CC	1940334677
SNP_P1_96643_19590750	NC_021164.1	Ca_kabuli_chr05	19590750	GG	TT	1940334679
SNP_P1_96644_19590759	NC_021164.1	Ca_kabuli_chr05	19590759	TT	CC	1940334681
SNP_P1_96645_19590856	NC_021164.1	Ca_kabuli_chr05	19590856	AA	TT	1940334682
SNP_P1_96646_19591054	NC_021164.1	Ca_kabuli_chr05	19591054	TT	AA	1940334684
SNP_P1_96647_19591147	NC_021164.1	Ca_kabuli_chr05	19591147	TT	CC	1940334686
SNP_P1_96648_19591156	NC_021164.1	Ca_kabuli_chr05	19591156	TT	AA	1940334688
SNP_P1_96650_19591367	NC_021164.1	Ca_kabuli_chr05	19591367	TT	CC	1940334689
SNP_P1_96651_19610964	NC_021164.1	Ca_kabuli_chr05	19610964	AA	CC	1940334691
SNP_P1_96652_19620515	NC_021164.1	Ca_kabuli_chr05	19620515	TT	AA	1940334693
SNP_P1_96653_19621188	NC_021164.1	Ca_kabuli_chr05	19621188	AA	TT	1940334694
SNP_P1_96654_19625015	NC_021164.1	Ca_kabuli_chr05	19625015	TT	CC	1940334696
SNP_P1_96655_19635371	NC_021164.1	Ca_kabuli_chr05	19635371	GG	AA	1940334698
SNP_P1_96656_19650241	NC_021164.1	Ca_kabuli_chr05	19650241	TT	CC	1940334699
SNP_P1_96657_19650243	NC_021164.1	Ca_kabuli_chr05	19650243	AA	GG	1940334701
SNP_P1_96658_19650255	NC_021164.1	Ca_kabuli_chr05	19650255	AA	GG	1940334703
SNP_P1_96659_19650585	NC_021164.1	Ca_kabuli_chr05	19650585	AA	GG	1940334705
SNP_P1_96660_19667500	NC_021164.1	Ca_kabuli_chr05	19667500	CC	TT	1940334706
SNP_P1_96661_19667559	NC_021164.1	Ca_kabuli_chr05	19667559	TT	CC	1940334708
SNP_P1_96662_19667587	NC_021164.1	Ca_kabuli_chr05	19667587	GG	TT	1940334710
SNP_P1_96663_19667626	NC_021164.1	Ca_kabuli_chr05	19667626	AA	GG	1940334711
SNP_P1_96664_19668690	NC_021164.1	Ca_kabuli_chr05	19668690	CC	TT	1940334713
SNP_P1_96666_19702828	NC_021164.1	Ca_kabuli_chr05	19702828	GG	AA	1940334715
SNP_P1_96667_19703017	NC_021164.1	Ca_kabuli_chr05	19703017	GG	AA	1940334717

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96669_19725589	NC_021164.1	Ca_kabuli_chr05	19725589	AA	GG	1940334720
SNP_P1_96670_19725685	NC_021164.1	Ca_kabuli_chr05	19725685	CC	TT	1940334722
SNP_P1_96671_19725706	NC_021164.1	Ca_kabuli_chr05	19725706	TT	CC	1940334723
SNP_P1_96672_19725708	NC_021164.1	Ca_kabuli_chr05	19725708	AA	GG	1940334725
SNP_P1_96673_19725742	NC_021164.1	Ca_kabuli_chr05	19725742	TT	GG	1940334727
SNP_P1_96674_19725748	NC_021164.1	Ca_kabuli_chr05	19725748	GG	AA	1940334729
SNP_P1_96675_19725760	NC_021164.1	Ca_kabuli_chr05	19725760	TT	GG	1940334730
SNP_P1_96676_19725830	NC_021164.1	Ca_kabuli_chr05	19725830	TT	CC	1940334732
SNP_P1_96677_19725958	NC_021164.1	Ca_kabuli_chr05	19725958	GG	TT	1940334734
SNP_P1_96678_19725982	NC_021164.1	Ca_kabuli_chr05	19725982	GG	AA	1940334735
SNP_P1_96679_19726114	NC_021164.1	Ca_kabuli_chr05	19726114	GG	AA	1940334737
SNP_P1_96680_19726832	NC_021164.1	Ca_kabuli_chr05	19726832	AA	GG	1940334739
SNP_P1_96681_19727203	NC_021164.1	Ca_kabuli_chr05	19727203	CC	TT	1940334741
SNP_P1_96682_19727241	NC_021164.1	Ca_kabuli_chr05	19727241	CC	TT	1940334742
SNP_P1_96683_19727249	NC_021164.1	Ca_kabuli_chr05	19727249	AA	CC	1940334744
SNP_P1_96684_19727526	NC_021164.1	Ca_kabuli_chr05	19727526	CC	TT	1940334746
SNP_P1_96685_19729303	NC_021164.1	Ca_kabuli_chr05	19729303	CC	TT	1940334747
SNP_P1_96686_19729311	NC_021164.1	Ca_kabuli_chr05	19729311	CC	TT	1940334749
SNP_P1_96687_19729326	NC_021164.1	Ca_kabuli_chr05	19729326	AA	GG	1940334751
SNP_P1_96688_19729692	NC_021164.1	Ca_kabuli_chr05	19729692	GG	AA	1940334753
SNP_P1_96689_19729737	NC_021164.1	Ca_kabuli_chr05	19729737	AA	TT	1940334754
SNP_P1_96690_19729740	NC_021164.1	Ca_kabuli_chr05	19729740	TT	CC	1940334756
SNP_P1_96691_19729743	NC_021164.1	Ca_kabuli_chr05	19729743	GG	AA	1940334758
SNP_P1_96692_19729747	NC_021164.1	Ca_kabuli_chr05	19729747	CC	TT	1940334759
SNP_P1_96693_19729749	NC_021164.1	Ca_kabuli_chr05	19729749	GG	AA	1940334761
SNP_P1_96694_19729785	NC_021164.1	Ca_kabuli_chr05	19729785	CC	TT	1940334763
SNP_P1_96695_19729967	NC_021164.1	Ca_kabuli_chr05	19729967	TT	AA	1940334765
SNP_P1_96696_19740875	NC_021164.1	Ca_kabuli_chr05	19740875	GG	CC	1940334766
SNP_P1_96697_19740877	NC_021164.1	Ca_kabuli_chr05	19740877	TT	GG	1940334768
SNP_P1_96698_19740945	NC_021164.1	Ca_kabuli_chr05	19740945	AA	CC	1940334770
SNP_P1_96700_19750345	NC_021164.1	Ca_kabuli_chr05	19750345	AA	TT	1940334771
SNP_P1_96701_19767125	NC_021164.1	Ca_kabuli_chr05	19767125	CC	AA	1940334773
SNP_P1_96703_19772155	NC_021164.1	Ca_kabuli_chr05	19772155	GG	CC	1940334775
SNP_P1_96704_19777085	NC_021164.1	Ca_kabuli_chr05	19777085	AA	CC	1940334777
SNP_P1_96705_19808713	NC_021164.1	Ca_kabuli_chr05	19808713	TT	CC	1940334778
SNP_P1_96706_19814550	NC_021164.1	Ca_kabuli_chr05	19814550	CC	AA	1940334780
SNP_P1_96708_19824306	NC_021164.1	Ca_kabuli_chr05	19824306	TT	CC	1940334782
SNP_P1_96709_19827301	NC_021164.1	Ca_kabuli_chr05	19827301	TT	CC	1940334783
SNP_P1_96710_19830715	NC_021164.1	Ca_kabuli_chr05	19830715	GG	AA	1940334785
SNP_P1_96711_19830717	NC_021164.1	Ca_kabuli_chr05	19830717	AA	CC	1940334787
SNP_P1_96712_19830718	NC_021164.1	Ca_kabuli_chr05	19830718	AA	CC	1940334789

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_96713_19830784	NC_021164.1	Ca_kabuli_chr05	19830784	GG	AA	1940334790
SNP_P1_96714_19830806	NC_021164.1	Ca_kabuli_chr05	19830806	TT	CC	1940334792
SNP_P1_96715_19830985	NC_021164.1	Ca_kabuli_chr05	19830985	GG	AA	1940334794
SNP_P1_96716_19830997	NC_021164.1	Ca_kabuli_chr05	19830997	GG	AA	1940334795
SNP_P1_96717_19872932	NC_021164.1	Ca_kabuli_chr05	19872932	TT	CC	1940334797
SNP_P1_96718_19897025	NC_021164.1	Ca_kabuli_chr05	19897025	AA	GG	1940334799
SNP_P1_96721_19908788	NC_021164.1	Ca_kabuli_chr05	19908788	CC	AA	1940334801
SNP_P1_96722_19908815	NC_021164.1	Ca_kabuli_chr05	19908815	AA	TT	1940334802
SNP_P1_96723_19908818	NC_021164.1	Ca_kabuli_chr05	19908818	TT	CC	1940334804
SNP_P1_96724_19908926	NC_021164.1	Ca_kabuli_chr05	19908926	AA	CC	1940334806
SNP_P1_96725_19908957	NC_021164.1	Ca_kabuli_chr05	19908957	TT	AA	1940334807
SNP_P1_96726_19908975	NC_021164.1	Ca_kabuli_chr05	19908975	AA	TT	1940334809
SNP_P1_96727_19909004	NC_021164.1	Ca_kabuli_chr05	19909004	CC	AA	1940334811
SNP_P1_96728_19909123	NC_021164.1	Ca_kabuli_chr05	19909123	TT	CC	1940334813
SNP_P1_96729_19910101	NC_021164.1	Ca_kabuli_chr05	19910101	GG	AA	1940334814
SNP_P1_96730_19910123	NC_021164.1	Ca_kabuli_chr05	19910123	AA	CC	1940334816
SNP_P1_96731_19910125	NC_021164.1	Ca_kabuli_chr05	19910125	CC	TT	1940334818
SNP_P1_96732_19914314	NC_021164.1	Ca_kabuli_chr05	19914314	AA	GG	1940334819
SNP_P1_96733_19914397	NC_021164.1	Ca_kabuli_chr05	19914397	AA	GG	1940334821
SNP_P1_96734_19914453	NC_021164.1	Ca_kabuli_chr05	19914453	GG	CC	1940334823
SNP_P1_96735_19914504	NC_021164.1	Ca_kabuli_chr05	19914504	GG	CC	1940334825
SNP_P1_96736_19914536	NC_021164.1	Ca_kabuli_chr05	19914536	TT	CC	1940334826
SNP_P1_96737_19914578	NC_021164.1	Ca_kabuli_chr05	19914578	GG	AA	1940334828
SNP_P1_96738_19914596	NC_021164.1	Ca_kabuli_chr05	19914596	AA	CC	1940334830
SNP_P1_96739_19914599	NC_021164.1	Ca_kabuli_chr05	19914599	CC	TT	1940334831
SNP_P1_96740_19914602	NC_021164.1	Ca_kabuli_chr05	19914602	GG	AA	1940334833
SNP_P1_96741_19914604	NC_021164.1	Ca_kabuli_chr05	19914604	CC	TT	1940334835
SNP_P1_96742_19914611	NC_021164.1	Ca_kabuli_chr05	19914611	TT	AA	1940334837
SNP_P1_96743_19922026	NC_021164.1	Ca_kabuli_chr05	19922026	AA	GG	1940334838
SNP_P1_96744_19922077	NC_021164.1	Ca_kabuli_chr05	19922077	AA	CC	1940334840
SNP_P1_96745_19922116	NC_021164.1	Ca_kabuli_chr05	19922116	TT	CC	1940334842
SNP_P1_96746_19922129	NC_021164.1	Ca_kabuli_chr05	19922129	AA	GG	1940334843
SNP_P1_96747_19922157	NC_021164.1	Ca_kabuli_chr05	19922157	TT	CC	1940334845
SNP_P1_96748_19922292	NC_021164.1	Ca_kabuli_chr05	19922292	TT	CC	1940334847
SNP_P1_96750_19922350	NC_021164.1	Ca_kabuli_chr05	19922350	GG	TT	1940334849
SNP_P1_96751_19922455	NC_021164.1	Ca_kabuli_chr05	19922455	TT	GG	1940334850
SNP_P1_96752_19922486	NC_021164.1	Ca_kabuli_chr05	19922486	AA	GG	1940334852
SNP_P1_96753_19922498	NC_021164.1	Ca_kabuli_chr05	19922498	TT	AA	1940334854
SNP_P1_96754_19922550	NC_021164.1	Ca_kabuli_chr05	19922550	TT	CC	1940334855
SNP_P1_96755_19945887	NC_021164.1	Ca_kabuli_chr05	19945887	GG	TT	1940334857
SNP_P1_96756_19947536	NC_021164.1	Ca_kabuli_chr05	19947536	CC	AA	1940334859
SNP_P1_96757_19957218	NC_021164.1	Ca_kabuli_chr05	19957218	TT	AA	1940334861

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96759_19961222	NC_021164.1	Ca_kabuli_chr05	19961222	TT	AA	1940334864
SNP_P1_96761_19993660	NC_021164.1	Ca_kabuli_chr05	19993660	TT	CC	1940334866
SNP_P1_96762_19998061	NC_021164.1	Ca_kabuli_chr05	19998061	CC	TT	1940334867
SNP_P1_96763_19998269	NC_021164.1	Ca_kabuli_chr05	19998269	GG	AA	1940334869
SNP_P1_96764_19998317	NC_021164.1	Ca_kabuli_chr05	19998317	TT	CC	1940334871
SNP_P1_96765_19998479	NC_021164.1	Ca_kabuli_chr05	19998479	AA	GG	1940334873
SNP_P1_96766_19998613	NC_021164.1	Ca_kabuli_chr05	19998613	GG	CC	1940334874
SNP_P1_96767_20007484	NC_021164.1	Ca_kabuli_chr05	20007484	GG	AA	1940334876
SNP_P1_96768_20017774	NC_021164.1	Ca_kabuli_chr05	20017774	GG	AA	1940334878
SNP_P1_96769_20055534	NC_021164.1	Ca_kabuli_chr05	20055534	AA	GG	1940334879
SNP_P1_96770_20058259	NC_021164.1	Ca_kabuli_chr05	20058259	GG	TT	1940334881
SNP_P1_96771_20060829	NC_021164.1	Ca_kabuli_chr05	20060829	TT	CC	1940334883
SNP_P1_96772_20064854	NC_021164.1	Ca_kabuli_chr05	20064854	GG	AA	1940334885
SNP_P1_96774_20072763	NC_021164.1	Ca_kabuli_chr05	20072763	AA	GG	1940334886
SNP_P1_96775_20072765	NC_021164.1	Ca_kabuli_chr05	20072765	TT	CC	1940334888
SNP_P1_96776_20074004	NC_021164.1	Ca_kabuli_chr05	20074004	TT	CC	1940334890
SNP_P1_96777_20074032	NC_021164.1	Ca_kabuli_chr05	20074032	CC	TT	1940334891
SNP_P1_96778_20074045	NC_021164.1	Ca_kabuli_chr05	20074045	TT	CC	1940334893
SNP_P1_96779_20074072	NC_021164.1	Ca_kabuli_chr05	20074072	CC	TT	1940334895
SNP_P1_96780_20074263	NC_021164.1	Ca_kabuli_chr05	20074263	CC	AA	1940334897
SNP_P1_96781_20074275	NC_021164.1	Ca_kabuli_chr05	20074275	CC	GG	1940334898
SNP_P1_96782_20074276	NC_021164.1	Ca_kabuli_chr05	20074276	AA	TT	1940334900
SNP_P1_96783_20074277	NC_021164.1	Ca_kabuli_chr05	20074277	AA	TT	1940334902
SNP_P1_96784_20074306	NC_021164.1	Ca_kabuli_chr05	20074306	TT	AA	1940334903
SNP_P1_96785_20074429	NC_021164.1	Ca_kabuli_chr05	20074429	AA	GG	1940334905
SNP_P1_96786_20074464	NC_021164.1	Ca_kabuli_chr05	20074464	AA	TT	1940334907
SNP_P1_96787_20074517	NC_021164.1	Ca_kabuli_chr05	20074517	GG	AA	1940334909
SNP_P1_96788_20074622	NC_021164.1	Ca_kabuli_chr05	20074622	TT	CC	1940334910
SNP_P1_96790_20084670	NC_021164.1	Ca_kabuli_chr05	20084670	AA	CC	1940334912
SNP_P1_96792_20100412	NC_021164.1	Ca_kabuli_chr05	20100412	GG	AA	1940334914
SNP_P1_96793_20105993	NC_021164.1	Ca_kabuli_chr05	20105993	CC	TT	1940334916
SNP_P1_96794_20105999	NC_021164.1	Ca_kabuli_chr05	20105999	TT	CC	1940334917
SNP_P1_96795_20111584	NC_021164.1	Ca_kabuli_chr05	20111584	GG	CC	1940334919
SNP_P1_96796_20117280	NC_021164.1	Ca_kabuli_chr05	20117280	CC	GG	1940334921
SNP_P1_96797_20300145	NC_021164.1	Ca_kabuli_chr05	20300145	GG	CC	1940334922
SNP_P1_96798_20300167	NC_021164.1	Ca_kabuli_chr05	20300167	CC	GG	1940334924
SNP_P1_96799_20305040	NC_021164.1	Ca_kabuli_chr05	20305040	GG	AA	1940334926
SNP_P1_96801_20371806	NC_021164.1	Ca_kabuli_chr05	20371806	AA	GG	1940334928
SNP_P1_96802_20371807	NC_021164.1	Ca_kabuli_chr05	20371807	AA	GG	1940334929
SNP_P1_96803_20373417	NC_021164.1	Ca_kabuli_chr05	20373417	CC	AA	1940334931
SNP_P1_96804_20373608	NC_021164.1	Ca_kabuli_chr05	20373608	CC	AA	1940334933

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96806_20374583	NC_021164.1	Ca_kabuli_chr05	20374583	AA	CC	1940334936
SNP_P1_96807_20374586	NC_021164.1	Ca_kabuli_chr05	20374586	TT	CC	1940334938
SNP_P1_96808_20374601	NC_021164.1	Ca_kabuli_chr05	20374601	TT	CC	1940334940
SNP_P1_96809_20374674	NC_021164.1	Ca_kabuli_chr05	20374674	TT	CC	1940334941
SNP_P1_96810_20374678	NC_021164.1	Ca_kabuli_chr05	20374678	CC	TT	1940334943
SNP_P1_96811_20374936	NC_021164.1	Ca_kabuli_chr05	20374936	TT	GG	1940334945
SNP_P1_96812_20374944	NC_021164.1	Ca_kabuli_chr05	20374944	GG	AA	1940334946
SNP_P1_96813_20375643	NC_021164.1	Ca_kabuli_chr05	20375643	AA	TT	1940334948
SNP_P1_96814_20375698	NC_021164.1	Ca_kabuli_chr05	20375698	GG	AA	1940334950
SNP_P1_96815_20378323	NC_021164.1	Ca_kabuli_chr05	20378323	TT	CC	1940334952
SNP_P1_96816_20378379	NC_021164.1	Ca_kabuli_chr05	20378379	GG	CC	1940334953
SNP_P1_96817_20378406	NC_021164.1	Ca_kabuli_chr05	20378406	GG	TT	1940334955
SNP_P1_96818_20378461	NC_021164.1	Ca_kabuli_chr05	20378461	GG	TT	1940334957
SNP_P1_96819_20378698	NC_021164.1	Ca_kabuli_chr05	20378698	GG	TT	1940334958
SNP_P1_96820_20380735	NC_021164.1	Ca_kabuli_chr05	20380735	AA	TT	1940334960
SNP_P1_96821_20392750	NC_021164.1	Ca_kabuli_chr05	20392750	CC	TT	1940334962
SNP_P1_96822_20394297	NC_021164.1	Ca_kabuli_chr05	20394297	TT	AA	1940334964
SNP_P1_96823_20394342	NC_021164.1	Ca_kabuli_chr05	20394342	TT	GG	1940334965
SNP_P1_96824_20394374	NC_021164.1	Ca_kabuli_chr05	20394374	TT	CC	1940334967
SNP_P1_96825_20394377	NC_021164.1	Ca_kabuli_chr05	20394377	AA	GG	1940334969
SNP_P1_96826_20394386	NC_021164.1	Ca_kabuli_chr05	20394386	AA	CC	1940334970
SNP_P1_96827_20394645	NC_021164.1	Ca_kabuli_chr05	20394645	AA	GG	1940334972
SNP_P1_96828_20394651	NC_021164.1	Ca_kabuli_chr05	20394651	GG	CC	1940334974
SNP_P1_96829_20394662	NC_021164.1	Ca_kabuli_chr05	20394662	TT	AA	1940334976
SNP_P1_96830_20394674	NC_021164.1	Ca_kabuli_chr05	20394674	TT	GG	1940334977
SNP_P1_96831_20394694	NC_021164.1	Ca_kabuli_chr05	20394694	CC	TT	1940334979
SNP_P1_96832_20394717	NC_021164.1	Ca_kabuli_chr05	20394717	TT	CC	1940334981
SNP_P1_96833_20395077	NC_021164.1	Ca_kabuli_chr05	20395077	AA	GG	1940334982
SNP_P1_96834_20395182	NC_021164.1	Ca_kabuli_chr05	20395182	AA	CC	1940334984
SNP_P1_96835_20395224	NC_021164.1	Ca_kabuli_chr05	20395224	AA	GG	1940334986
SNP_P1_96836_20397682	NC_021164.1	Ca_kabuli_chr05	20397682	TT	AA	1940334988
SNP_P1_96837_20397683	NC_021164.1	Ca_kabuli_chr05	20397683	AA	TT	1940334989
SNP_P1_96838_20397712	NC_021164.1	Ca_kabuli_chr05	20397712	TT	GG	1940334991
SNP_P1_96839_20398248	NC_021164.1	Ca_kabuli_chr05	20398248	CC	AA	1940334993
SNP_P1_96840_20398261	NC_021164.1	Ca_kabuli_chr05	20398261	TT	AA	1940334994
SNP_P1_96841_20398289	NC_021164.1	Ca_kabuli_chr05	20398289	GG	AA	1940334996
SNP_P1_96843_20399441	NC_021164.1	Ca_kabuli_chr05	20399441	AA	TT	1940334998
SNP_P1_96844_20403472	NC_021164.1	Ca_kabuli_chr05	20403472	GG	AA	1940335000
SNP_P1_96845_20406248	NC_021164.1	Ca_kabuli_chr05	20406248	TT	CC	1940335001
SNP_P1_96846_20406256	NC_021164.1	Ca_kabuli_chr05	20406256	TT	GG	1940335003
SNP_P1_96847_20406334	NC_021164.1	Ca_kabuli_chr05	20406334	GG	TT	1940335005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_96848_20406364	NC_021164.1	Ca_kabuli_chr05	20406364	TT	GG	1940335006
SNP_P1_96849_20406370	NC_021164.1	Ca_kabuli_chr05	20406370	TT	GG	1940335008
SNP_P1_96850_20410818	NC_021164.1	Ca_kabuli_chr05	20410818	GG	TT	1940335010
SNP_P1_96851_20411012	NC_021164.1	Ca_kabuli_chr05	20411012	AA	TT	1940335012
SNP_P1_96853_20433138	NC_021164.1	Ca_kabuli_chr05	20433138	TT	CC	1940335013
SNP_P1_96854_20433227	NC_021164.1	Ca_kabuli_chr05	20433227	TT	AA	1940335015
SNP_P1_96855_20433551	NC_021164.1	Ca_kabuli_chr05	20433551	GG	TT	1940335017
SNP_P1_96856_20433559	NC_021164.1	Ca_kabuli_chr05	20433559	AA	GG	1940335018
SNP_P1_96857_20433564	NC_021164.1	Ca_kabuli_chr05	20433564	CC	TT	1940335020
SNP_P1_96858_20433864	NC_021164.1	Ca_kabuli_chr05	20433864	AA	CC	1940335022
SNP_P1_96859_20433888	NC_021164.1	Ca_kabuli_chr05	20433888	CC	TT	1940335024
SNP_P1_96860_20433892	NC_021164.1	Ca_kabuli_chr05	20433892	GG	CC	1940335025
SNP_P1_96861_20433926	NC_021164.1	Ca_kabuli_chr05	20433926	AA	GG	1940335027
SNP_P1_96862_20434667	NC_021164.1	Ca_kabuli_chr05	20434667	CC	AA	1940335029
SNP_P1_96863_20439812	NC_021164.1	Ca_kabuli_chr05	20439812	CC	TT	1940335030
SNP_P1_96865_20453168	NC_021164.1	Ca_kabuli_chr05	20453168	CC	TT	1940335032
SNP_P1_96866_20454320	NC_021164.1	Ca_kabuli_chr05	20454320	TT	CC	1940335034
SNP_P1_96867_20454325	NC_021164.1	Ca_kabuli_chr05	20454325	TT	AA	1940335036
SNP_P1_96868_20454329	NC_021164.1	Ca_kabuli_chr05	20454329	AA	GG	1940335037
SNP_P1_96869_20454386	NC_021164.1	Ca_kabuli_chr05	20454386	CC	TT	1940335039
SNP_P1_96870_20454388	NC_021164.1	Ca_kabuli_chr05	20454388	CC	TT	1940335041
SNP_P1_96872_20458521	NC_021164.1	Ca_kabuli_chr05	20458521	GG	TT	1940335042
SNP_P1_96874_20462282	NC_021164.1	Ca_kabuli_chr05	20462282	TT	GG	1940335044
SNP_P1_96875_20475391	NC_021164.1	Ca_kabuli_chr05	20475391	TT	GG	1940335046
SNP_P1_96876_20520488	NC_021164.1	Ca_kabuli_chr05	20520488	CC	TT	1940335048
SNP_P1_96877_20520638	NC_021164.1	Ca_kabuli_chr05	20520638	AA	GG	1940335049
SNP_P1_96878_20520673	NC_021164.1	Ca_kabuli_chr05	20520673	CC	TT	1940335051
SNP_P1_96879_20520728	NC_021164.1	Ca_kabuli_chr05	20520728	CC	TT	1940335053
SNP_P1_96882_20547265	NC_021164.1	Ca_kabuli_chr05	20547265	GG	TT	1940335054
SNP_P1_96884_20547373	NC_021164.1	Ca_kabuli_chr05	20547373	GG	AA	1940335056
SNP_P1_96885_20547724	NC_021164.1	Ca_kabuli_chr05	20547724	AA	GG	1940335058
SNP_P1_96886_20547725	NC_021164.1	Ca_kabuli_chr05	20547725	GG	AA	1940335060
SNP_P1_96887_20547781	NC_021164.1	Ca_kabuli_chr05	20547781	CC	AA	1940335061
SNP_P1_96888_20548242	NC_021164.1	Ca_kabuli_chr05	20548242	TT	GG	1940335063
SNP_P1_96889_20551207	NC_021164.1	Ca_kabuli_chr05	20551207	AA	GG	1940335065
SNP_P1_96890_20554208	NC_021164.1	Ca_kabuli_chr05	20554208	CC	TT	1940335066
SNP_P1_96891_20558579	NC_021164.1	Ca_kabuli_chr05	20558579	CC	AA	1940335068
SNP_P1_96892_20559731	NC_021164.1	Ca_kabuli_chr05	20559731	GG	TT	1940335070
SNP_P1_96893_20561418	NC_021164.1	Ca_kabuli_chr05	20561418	AA	TT	1940335072
SNP_P1_96894_20561419	NC_021164.1	Ca_kabuli_chr05	20561419	AA	TT	1940335073
SNP_P1_96895_20562922	NC_021164.1	Ca_kabuli_chr05	20562922	GG	AA	1940335075
SNP_P1_96896_20572378	NC_021164.1	Ca_kabuli_chr05	20572378	CC	TT	1940335077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_96897_20581918	NC_021164.1	Ca_kabuli_chr05	20581918	CC	TT	1940335078
SNP_P1_96898_20602677	NC_021164.1	Ca_kabuli_chr05	20602677	TT	AA	1940335080
SNP_P1_96899_20602678	NC_021164.1	Ca_kabuli_chr05	20602678	TT	CC	1940335082
SNP_P1_96900_20616407	NC_021164.1	Ca_kabuli_chr05	20616407	TT	GG	1940335084
SNP_P1_96901_20623962	NC_021164.1	Ca_kabuli_chr05	20623962	GG	AA	1940335085
SNP_P1_96902_20626194	NC_021164.1	Ca_kabuli_chr05	20626194	TT	CC	1940335087
SNP_P1_96903_20627266	NC_021164.1	Ca_kabuli_chr05	20627266	TT	CC	1940335089
SNP_P1_96904_20633649	NC_021164.1	Ca_kabuli_chr05	20633649	GG	AA	1940335090
SNP_P1_96905_20633651	NC_021164.1	Ca_kabuli_chr05	20633651	AA	TT	1940335092
SNP_P1_96906_20654590	NC_021164.1	Ca_kabuli_chr05	20654590	GG	AA	1940335094
SNP_P1_96907_20658428	NC_021164.1	Ca_kabuli_chr05	20658428	TT	GG	1940335096
SNP_P1_96908_20671208	NC_021164.1	Ca_kabuli_chr05	20671208	AA	GG	1940335097
SNP_P1_96909_20683353	NC_021164.1	Ca_kabuli_chr05	20683353	CC	AA	1940335099
SNP_P1_96910_20683439	NC_021164.1	Ca_kabuli_chr05	20683439	CC	GG	1940335101
SNP_P1_96911_20700071	NC_021164.1	Ca_kabuli_chr05	20700071	AA	GG	1940335102
SNP_P1_96912_20700146	NC_021164.1	Ca_kabuli_chr05	20700146	CC	TT	1940335104
SNP_P1_96913_20701061	NC_021164.1	Ca_kabuli_chr05	20701061	GG	TT	1940335106
SNP_P1_96914_20701118	NC_021164.1	Ca_kabuli_chr05	20701118	TT	GG	1940335108
SNP_P1_96915_20701152	NC_021164.1	Ca_kabuli_chr05	20701152	CC	TT	1940335109
SNP_P1_96916_20701157	NC_021164.1	Ca_kabuli_chr05	20701157	CC	TT	1940335111
SNP_P1_96917_20705747	NC_021164.1	Ca_kabuli_chr05	20705747	GG	CC	1940335113
SNP_P1_96918_20706454	NC_021164.1	Ca_kabuli_chr05	20706454	TT	CC	1940335114
SNP_P1_96919_20716606	NC_021164.1	Ca_kabuli_chr05	20716606	CC	TT	1940335116
SNP_P1_96920_20735568	NC_021164.1	Ca_kabuli_chr05	20735568	CC	GG	1940335118
SNP_P1_96921_20736725	NC_021164.1	Ca_kabuli_chr05	20736725	CC	TT	1940335120
SNP_P1_96922_20738471	NC_021164.1	Ca_kabuli_chr05	20738471	GG	AA	1940335121
SNP_P1_96923_20743456	NC_021164.1	Ca_kabuli_chr05	20743456	AA	TT	1940335123
SNP_P1_96926_20759834	NC_021164.1	Ca_kabuli_chr05	20759834	AA	TT	1940335125
SNP_P1_96928_20763132	NC_021164.1	Ca_kabuli_chr05	20763132	AA	GG	1940335126
SNP_P1_96929_20763268	NC_021164.1	Ca_kabuli_chr05	20763268	TT	CC	1940335128
SNP_P1_96930_20763279	NC_021164.1	Ca_kabuli_chr05	20763279	AA	GG	1940335130
SNP_P1_96931_20763311	NC_021164.1	Ca_kabuli_chr05	20763311	AA	GG	1940335132
SNP_P1_96932_20763693	NC_021164.1	Ca_kabuli_chr05	20763693	AA	GG	1940335133
SNP_P1_96934_20777377	NC_021164.1	Ca_kabuli_chr05	20777377	TT	CC	1940335135
SNP_P1_96936_20790440	NC_021164.1	Ca_kabuli_chr05	20790440	CC	TT	1940335137
SNP_P1_96937_20791653	NC_021164.1	Ca_kabuli_chr05	20791653	CC	GG	1940335138
SNP_P1_96938_20791695	NC_021164.1	Ca_kabuli_chr05	20791695	AA	GG	1940335140
SNP_P1_96939_20792198	NC_021164.1	Ca_kabuli_chr05	20792198	GG	AA	1940335142
SNP_P1_96940_20814302	NC_021164.1	Ca_kabuli_chr05	20814302	TT	GG	1940335144
SNP_P1_96941_20846896	NC_021164.1	Ca_kabuli_chr05	20846896	TT	CC	1940335145
SNP_P1_96942_20846927	NC_021164.1	Ca_kabuli_chr05	20846927	AA	CC	1940335147
SNP_P1_96943_20856136	NC_021164.1	Ca_kabuli_chr05	20856136	CC	AA	1940335149

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96945_20856693	NC_021164.1	Ca_kabuli_chr05	20856693	TT	CC	1940335152
SNP_P1_96946_20856696	NC_021164.1	Ca_kabuli_chr05	20856696	TT	AA	1940335154
SNP_P1_96947_20856701	NC_021164.1	Ca_kabuli_chr05	20856701	TT	CC	1940335156
SNP_P1_96948_20856775	NC_021164.1	Ca_kabuli_chr05	20856775	TT	CC	1940335157
SNP_P1_96949_20856826	NC_021164.1	Ca_kabuli_chr05	20856826	CC	TT	1940335159
SNP_P1_96950_20856979	NC_021164.1	Ca_kabuli_chr05	20856979	CC	TT	1940335161
SNP_P1_96951_20857019	NC_021164.1	Ca_kabuli_chr05	20857019	GG	AA	1940335162
SNP_P1_96952_20857028	NC_021164.1	Ca_kabuli_chr05	20857028	TT	GG	1940335164
SNP_P1_96953_20863618	NC_021164.1	Ca_kabuli_chr05	20863618	TT	CC	1940335166
SNP_P1_96954_20911440	NC_021164.1	Ca_kabuli_chr05	20911440	GG	AA	1940335168
SNP_P1_96955_20911708	NC_021164.1	Ca_kabuli_chr05	20911708	AA	GG	1940335169
SNP_P1_96956_20911713	NC_021164.1	Ca_kabuli_chr05	20911713	TT	AA	1940335171
SNP_P1_96957_20948214	NC_021164.1	Ca_kabuli_chr05	20948214	AA	TT	1940335173
SNP_P1_96958_20971337	NC_021164.1	Ca_kabuli_chr05	20971337	CC	GG	1940335174
SNP_P1_96959_20971389	NC_021164.1	Ca_kabuli_chr05	20971389	AA	GG	1940335176
SNP_P1_96960_20971552	NC_021164.1	Ca_kabuli_chr05	20971552	AA	CC	1940335178
SNP_P1_96961_20971769	NC_021164.1	Ca_kabuli_chr05	20971769	TT	CC	1940335180
SNP_P1_96962_20971916	NC_021164.1	Ca_kabuli_chr05	20971916	TT	CC	1940335181
SNP_P1_96963_20972694	NC_021164.1	Ca_kabuli_chr05	20972694	TT	CC	1940335183
SNP_P1_96964_20976943	NC_021164.1	Ca_kabuli_chr05	20976943	TT	CC	1940335185
SNP_P1_96965_20976957	NC_021164.1	Ca_kabuli_chr05	20976957	GG	TT	1940335187
SNP_P1_96966_21014086	NC_021164.1	Ca_kabuli_chr05	21014086	AA	TT	1940335188
SNP_P1_96967_21050663	NC_021164.1	Ca_kabuli_chr05	21050663	GG	AA	1940335190
SNP_P1_96968_21066307	NC_021164.1	Ca_kabuli_chr05	21066307	AA	GG	1940335192
SNP_P1_96969_21066317	NC_021164.1	Ca_kabuli_chr05	21066317	AA	GG	1940335193
SNP_P1_96970_21066334	NC_021164.1	Ca_kabuli_chr05	21066334	GG	AA	1940335195
SNP_P1_96971_21072470	NC_021164.1	Ca_kabuli_chr05	21072470	CC	TT	1940335197
SNP_P1_96973_21088137	NC_021164.1	Ca_kabuli_chr05	21088137	TT	CC	1940335199
SNP_P1_96974_21100438	NC_021164.1	Ca_kabuli_chr05	21100438	CC	TT	1940335200
SNP_P1_96976_21116527	NC_021164.1	Ca_kabuli_chr05	21116527	GG	AA	1940335202
SNP_P1_96977_21117009	NC_021164.1	Ca_kabuli_chr05	21117009	AA	TT	1940335204
SNP_P1_96978_21117050	NC_021164.1	Ca_kabuli_chr05	21117050	TT	AA	1940335205
SNP_P1_96979_21117105	NC_021164.1	Ca_kabuli_chr05	21117105	AA	GG	1940335207
SNP_P1_96981_21127290	NC_021164.1	Ca_kabuli_chr05	21127290	TT	CC	1940335209
SNP_P1_96982_21132201	NC_021164.1	Ca_kabuli_chr05	21132201	CC	TT	1940335211
SNP_P1_96983_21141391	NC_021164.1	Ca_kabuli_chr05	21141391	CC	TT	1940335212
SNP_P1_96985_21151050	NC_021164.1	Ca_kabuli_chr05	21151050	CC	AA	1940335214
SNP_P1_96987_21170083	NC_021164.1	Ca_kabuli_chr05	21170083	CC	TT	1940335216
SNP_P1_96988_21171050	NC_021164.1	Ca_kabuli_chr05	21171050	GG	TT	1940335217
SNP_P1_96989_21176907	NC_021164.1	Ca_kabuli_chr05	21176907	AA	TT	1940335219
SNP_P1_96990_21181623	NC_021164.1	Ca_kabuli_chr05	21181623	TT	AA	1940335221

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_96994_21258545	NC_021164.1	Ca_kabuli_chr05	21258545	GG	AA	1940335224
SNP_P1_96996_21265983	NC_021164.1	Ca_kabuli_chr05	21265983	TT	CC	1940335226
SNP_P1_96997_21267551	NC_021164.1	Ca_kabuli_chr05	21267551	TT	AA	1940335228
SNP_P1_96998_21279465	NC_021164.1	Ca_kabuli_chr05	21279465	CC	TT	1940335229
SNP_P1_96999_21279524	NC_021164.1	Ca_kabuli_chr05	21279524	GG	AA	1940335231
SNP_P1_97000_21281056	NC_021164.1	Ca_kabuli_chr05	21281056	AA	GG	1940335233
SNP_P1_97001_21281298	NC_021164.1	Ca_kabuli_chr05	21281298	AA	CC	1940335235
SNP_P1_97002_21281317	NC_021164.1	Ca_kabuli_chr05	21281317	AA	GG	1940335236
SNP_P1_97003_21282250	NC_021164.1	Ca_kabuli_chr05	21282250	TT	AA	1940335238
SNP_P1_97004_21283931	NC_021164.1	Ca_kabuli_chr05	21283931	AA	GG	1940335240
SNP_P1_97005_21283951	NC_021164.1	Ca_kabuli_chr05	21283951	AA	CC	1940335241
SNP_P1_97006_21283955	NC_021164.1	Ca_kabuli_chr05	21283955	TT	AA	1940335243
SNP_P1_97007_21283978	NC_021164.1	Ca_kabuli_chr05	21283978	AA	CC	1940335245
SNP_P1_97008_21283979	NC_021164.1	Ca_kabuli_chr05	21283979	GG	AA	1940335247
SNP_P1_97009_21284103	NC_021164.1	Ca_kabuli_chr05	21284103	CC	TT	1940335248
SNP_P1_97010_21284284	NC_021164.1	Ca_kabuli_chr05	21284284	AA	GG	1940335250
SNP_P1_97011_21284343	NC_021164.1	Ca_kabuli_chr05	21284343	TT	GG	1940335252
SNP_P1_97012_21291608	NC_021164.1	Ca_kabuli_chr05	21291608	AA	GG	1940335253
SNP_P1_97013_21292196	NC_021164.1	Ca_kabuli_chr05	21292196	CC	GG	1940335255
SNP_P1_97014_21311531	NC_021164.1	Ca_kabuli_chr05	21311531	TT	CC	1940335257
SNP_P1_97015_21335401	NC_021164.1	Ca_kabuli_chr05	21335401	TT	CC	1940335259
SNP_P1_97016_21345443	NC_021164.1	Ca_kabuli_chr05	21345443	TT	GG	1940335260
SNP_P1_97017_21345943	NC_021164.1	Ca_kabuli_chr05	21345943	CC	TT	1940335262
SNP_P1_97018_21382177	NC_021164.1	Ca_kabuli_chr05	21382177	AA	TT	1940335264
SNP_P1_97020_21412373	NC_021164.1	Ca_kabuli_chr05	21412373	TT	CC	1940335265
SNP_P1_97021_21412405	NC_021164.1	Ca_kabuli_chr05	21412405	AA	GG	1940335267
SNP_P1_97022_21424465	NC_021164.1	Ca_kabuli_chr05	21424465	AA	GG	1940335269
SNP_P1_97023_21431346	NC_021164.1	Ca_kabuli_chr05	21431346	GG	AA	1940335271
SNP_P1_97024_21448692	NC_021164.1	Ca_kabuli_chr05	21448692	TT	CC	1940335272
SNP_P1_97027_21479344	NC_021164.1	Ca_kabuli_chr05	21479344	CC	GG	1940335274
SNP_P1_97028_21494540	NC_021164.1	Ca_kabuli_chr05	21494540	GG	AA	1940335276
SNP_P1_97029_21497955	NC_021164.1	Ca_kabuli_chr05	21497955	CC	TT	1940335277
SNP_P1_97030_21498128	NC_021164.1	Ca_kabuli_chr05	21498128	TT	AA	1940335279
SNP_P1_97031_21498142	NC_021164.1	Ca_kabuli_chr05	21498142	TT	CC	1940335281
SNP_P1_97032_21498147	NC_021164.1	Ca_kabuli_chr05	21498147	GG	TT	1940335283
SNP_P1_97033_21498206	NC_021164.1	Ca_kabuli_chr05	21498206	AA	TT	1940335284
SNP_P1_97034_21500659	NC_021164.1	Ca_kabuli_chr05	21500659	TT	AA	1940335286
SNP_P1_97036_21518495	NC_021164.1	Ca_kabuli_chr05	21518495	GG	AA	1940335288
SNP_P1_97037_21518873	NC_021164.1	Ca_kabuli_chr05	21518873	AA	TT	1940335290
SNP_P1_97038_21519476	NC_021164.1	Ca_kabuli_chr05	21519476	AA	GG	1940335291
SNP_P1_97039_21520883	NC_021164.1	Ca_kabuli_chr05	21520883	TT	CC	1940335293

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97042_21546312	NC_021164.1	Ca_kabuli_chr05	21546312	TT	AA	1940335296
SNP_P1_97043_21556504	NC_021164.1	Ca_kabuli_chr05	21556504	GG	AA	1940335298
SNP_P1_97044_21557498	NC_021164.1	Ca_kabuli_chr05	21557498	AA	GG	1940335300
SNP_P1_97045_21559517	NC_021164.1	Ca_kabuli_chr05	21559517	CC	GG	1940335302
SNP_P1_97046_21559585	NC_021164.1	Ca_kabuli_chr05	21559585	CC	TT	1940335303
SNP_P1_97047_21570025	NC_021164.1	Ca_kabuli_chr05	21570025	GG	TT	1940335305
SNP_P1_97048_21570035	NC_021164.1	Ca_kabuli_chr05	21570035	CC	AA	1940335307
SNP_P1_97049_21577298	NC_021164.1	Ca_kabuli_chr05	21577298	TT	CC	1940335308
SNP_P1_97050_21577307	NC_021164.1	Ca_kabuli_chr05	21577307	AA	GG	1940335310
SNP_P1_97051_21577325	NC_021164.1	Ca_kabuli_chr05	21577325	CC	TT	1940335312
SNP_P1_97052_21577337	NC_021164.1	Ca_kabuli_chr05	21577337	TT	AA	1940335314
SNP_P1_97053_21577349	NC_021164.1	Ca_kabuli_chr05	21577349	TT	CC	1940335315
SNP_P1_97054_21587899	NC_021164.1	Ca_kabuli_chr05	21587899	AA	GG	1940335317
SNP_P1_97055_21591277	NC_021164.1	Ca_kabuli_chr05	21591277	CC	GG	1940335319
SNP_P1_97056_21597910	NC_021164.1	Ca_kabuli_chr05	21597910	CC	TT	1940335320
SNP_P1_97057_21604002	NC_021164.1	Ca_kabuli_chr05	21604002	AA	GG	1940335322
SNP_P1_97058_21612675	NC_021164.1	Ca_kabuli_chr05	21612675	AA	CC	1940335324
SNP_P1_97059_21619680	NC_021164.1	Ca_kabuli_chr05	21619680	CC	GG	1940335326
SNP_P1_97060_21623168	NC_021164.1	Ca_kabuli_chr05	21623168	CC	TT	1940335327
SNP_P1_97061_21623397	NC_021164.1	Ca_kabuli_chr05	21623397	AA	TT	1940335329
SNP_P1_97063_21623579	NC_021164.1	Ca_kabuli_chr05	21623579	CC	TT	1940335331
SNP_P1_97064_21623842	NC_021164.1	Ca_kabuli_chr05	21623842	AA	TT	1940335332
SNP_P1_97065_21623847	NC_021164.1	Ca_kabuli_chr05	21623847	TT	GG	1940335334
SNP_P1_97066_21623986	NC_021164.1	Ca_kabuli_chr05	21623986	AA	GG	1940335336
SNP_P1_97067_21624086	NC_021164.1	Ca_kabuli_chr05	21624086	GG	CC	1940335338
SNP_P1_97068_21624281	NC_021164.1	Ca_kabuli_chr05	21624281	AA	CC	1940335339
SNP_P1_97069_21629648	NC_021164.1	Ca_kabuli_chr05	21629648	CC	TT	1940335341
SNP_P1_97070_21635969	NC_021164.1	Ca_kabuli_chr05	21635969	GG	AA	1940335343
SNP_P1_97071_21644187	NC_021164.1	Ca_kabuli_chr05	21644187	TT	GG	1940335344
SNP_P1_97072_21644662	NC_021164.1	Ca_kabuli_chr05	21644662	AA	GG	1940335346
SNP_P1_97073_21658704	NC_021164.1	Ca_kabuli_chr05	21658704	GG	TT	1940335348
SNP_P1_97074_21658904	NC_021164.1	Ca_kabuli_chr05	21658904	CC	TT	1940335350
SNP_P1_97075_21658905	NC_021164.1	Ca_kabuli_chr05	21658905	TT	GG	1940335351
SNP_P1_97076_21661572	NC_021164.1	Ca_kabuli_chr05	21661572	AA	TT	1940335353
SNP_P1_97077_21662342	NC_021164.1	Ca_kabuli_chr05	21662342	TT	CC	1940335355
SNP_P1_97078_21662343	NC_021164.1	Ca_kabuli_chr05	21662343	GG	AA	1940335356
SNP_P1_97079_21662367	NC_021164.1	Ca_kabuli_chr05	21662367	AA	CC	1940335358
SNP_P1_97080_21663556	NC_021164.1	Ca_kabuli_chr05	21663556	CC	TT	1940335360
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SNP_P1_97082_21663806	NC_021164.1	Ca_kabuli_chr05	21663806	AA	GG	1940335363
SNP_P1_97083_21665898	NC_021164.1	Ca_kabuli_chr05	21665898	TT	CC	1940335365

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97085_21665931	NC_021164.1	Ca_kabuli_chr05	21665931	GG	TT	1940335368
SNP_P1_97086_21666003	NC_021164.1	Ca_kabuli_chr05	21666003	GG	TT	1940335370
SNP_P1_97087_21666258	NC_021164.1	Ca_kabuli_chr05	21666258	TT	CC	1940335372
SNP_P1_97088_21667894	NC_021164.1	Ca_kabuli_chr05	21667894	AA	GG	1940335374
SNP_P1_97089_21670892	NC_021164.1	Ca_kabuli_chr05	21670892	AA	TT	1940335375
SNP_P1_97090_21670974	NC_021164.1	Ca_kabuli_chr05	21670974	CC	TT	1940335377
SNP_P1_97091_21670976	NC_021164.1	Ca_kabuli_chr05	21670976	AA	GG	1940335379
SNP_P1_97092_21671052	NC_021164.1	Ca_kabuli_chr05	21671052	CC	AA	1940335380
SNP_P1_97093_21671185	NC_021164.1	Ca_kabuli_chr05	21671185	AA	GG	1940335382
SNP_P1_97094_21675813	NC_021164.1	Ca_kabuli_chr05	21675813	AA	GG	1940335384
SNP_P1_97095_21677793	NC_021164.1	Ca_kabuli_chr05	21677793	CC	AA	1940335386
SNP_P1_97096_21681648	NC_021164.1	Ca_kabuli_chr05	21681648	GG	TT	1940335387
SNP_P1_97097_21681649	NC_021164.1	Ca_kabuli_chr05	21681649	TT	GG	1940335389
SNP_P1_97098_21681655	NC_021164.1	Ca_kabuli_chr05	21681655	CC	TT	1940335391
SNP_P1_97099_21683445	NC_021164.1	Ca_kabuli_chr05	21683445	CC	TT	1940335392
SNP_P1_97100_21683461	NC_021164.1	Ca_kabuli_chr05	21683461	GG	TT	1940335394
SNP_P1_97101_21684225	NC_021164.1	Ca_kabuli_chr05	21684225	AA	TT	1940335396
SNP_P1_97102_21684245	NC_021164.1	Ca_kabuli_chr05	21684245	AA	GG	1940335398
SNP_P1_97103_21684389	NC_021164.1	Ca_kabuli_chr05	21684389	AA	GG	1940335399
SNP_P1_97104_21684529	NC_021164.1	Ca_kabuli_chr05	21684529	AA	GG	1940335401
SNP_P1_97105_21684537	NC_021164.1	Ca_kabuli_chr05	21684537	TT	CC	1940335403
SNP_P1_97106_21684553	NC_021164.1	Ca_kabuli_chr05	21684553	CC	AA	1940335404
SNP_P1_97107_21684906	NC_021164.1	Ca_kabuli_chr05	21684906	GG	CC	1940335406
SNP_P1_97108_21684929	NC_021164.1	Ca_kabuli_chr05	21684929	CC	TT	1940335408
SNP_P1_97109_21691179	NC_021164.1	Ca_kabuli_chr05	21691179	AA	GG	1940335410
SNP_P1_97110_21692423	NC_021164.1	Ca_kabuli_chr05	21692423	TT	AA	1940335411
SNP_P1_97111_21692447	NC_021164.1	Ca_kabuli_chr05	21692447	CC	GG	1940335413
SNP_P1_97112_21692488	NC_021164.1	Ca_kabuli_chr05	21692488	TT	GG	1940335415
SNP_P1_97113_21692530	NC_021164.1	Ca_kabuli_chr05	21692530	AA	GG	1940335416
SNP_P1_97114_21692548	NC_021164.1	Ca_kabuli_chr05	21692548	AA	TT	1940335418
SNP_P1_97115_21692570	NC_021164.1	Ca_kabuli_chr05	21692570	GG	AA	1940335420
SNP_P1_97116_21692581	NC_021164.1	Ca_kabuli_chr05	21692581	TT	CC	1940335422
SNP_P1_97117_21692711	NC_021164.1	Ca_kabuli_chr05	21692711	AA	GG	1940335423
SNP_P1_97118_21692816	NC_021164.1	Ca_kabuli_chr05	21692816	AA	TT	1940335425
SNP_P1_97119_21693039	NC_021164.1	Ca_kabuli_chr05	21693039	CC	TT	1940335427
SNP_P1_97120_21693081	NC_021164.1	Ca_kabuli_chr05	21693081	CC	AA	1940335429
SNP_P1_97121_21693382	NC_021164.1	Ca_kabuli_chr05	21693382	AA	GG	1940335430
SNP_P1_97122_21693399	NC_021164.1	Ca_kabuli_chr05	21693399	AA	TT	1940335432
SNP_P1_97123_21693416	NC_021164.1	Ca_kabuli_chr05	21693416	CC	TT	1940335434
SNP_P1_97124_21693530	NC_021164.1	Ca_kabuli_chr05	21693530	TT	GG	1940335435
SNP_P1_97125_21693671	NC_021164.1	Ca_kabuli_chr05	21693671	GG	AA	1940335437

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97127_21699154	NC_021164.1	Ca_kabuli_chr05	21699154	GG	TT	1940335440
SNP_P1_97128_21699350	NC_021164.1	Ca_kabuli_chr05	21699350	TT	AA	1940335442
SNP_P1_97129_21699491	NC_021164.1	Ca_kabuli_chr05	21699491	CC	AA	1940335444
SNP_P1_97130_21699512	NC_021164.1	Ca_kabuli_chr05	21699512	CC	TT	1940335446
SNP_P1_97131_21699626	NC_021164.1	Ca_kabuli_chr05	21699626	GG	CC	1940335447
SNP_P1_97132_21699646	NC_021164.1	Ca_kabuli_chr05	21699646	TT	AA	1940335449
SNP_P1_97133_21713776	NC_021164.1	Ca_kabuli_chr05	21713776	GG	TT	1940335451
SNP_P1_97134_21714079	NC_021164.1	Ca_kabuli_chr05	21714079	AA	CC	1940335453
SNP_P1_97135_21714085	NC_021164.1	Ca_kabuli_chr05	21714085	CC	TT	1940335454
SNP_P1_97136_21714096	NC_021164.1	Ca_kabuli_chr05	21714096	AA	GG	1940335456
SNP_P1_97137_21714097	NC_021164.1	Ca_kabuli_chr05	21714097	AA	TT	1940335458
SNP_P1_97138_21714135	NC_021164.1	Ca_kabuli_chr05	21714135	AA	GG	1940335459
SNP_P1_97139_21714136	NC_021164.1	Ca_kabuli_chr05	21714136	AA	GG	1940335461
SNP_P1_97140_21719736	NC_021164.1	Ca_kabuli_chr05	21719736	AA	GG	1940335463
SNP_P1_97141_21720516	NC_021164.1	Ca_kabuli_chr05	21720516	GG	TT	1940335464
SNP_P1_97142_21720786	NC_021164.1	Ca_kabuli_chr05	21720786	CC	TT	1940335466
SNP_P1_97143_21720826	NC_021164.1	Ca_kabuli_chr05	21720826	AA	CC	1940335468
SNP_P1_97144_21720843	NC_021164.1	Ca_kabuli_chr05	21720843	CC	GG	1940335470
SNP_P1_97145_21720909	NC_021164.1	Ca_kabuli_chr05	21720909	CC	TT	1940335471
SNP_P1_97146_21721001	NC_021164.1	Ca_kabuli_chr05	21721001	CC	TT	1940335473
SNP_P1_97147_21723004	NC_021164.1	Ca_kabuli_chr05	21723004	AA	CC	1940335475
SNP_P1_97148_21723302	NC_021164.1	Ca_kabuli_chr05	21723302	TT	CC	1940335476
SNP_P1_97149_21723605	NC_021164.1	Ca_kabuli_chr05	21723605	TT	AA	1940335478
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SNP_P1_97151_21740948	NC_021164.1	Ca_kabuli_chr05	21740948	CC	TT	1940335482
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SNP_P1_97153_21740972	NC_021164.1	Ca_kabuli_chr05	21740972	TT	AA	1940335485
SNP_P1_97154_21740990	NC_021164.1	Ca_kabuli_chr05	21740990	CC	TT	1940335487
SNP_P1_97155_21741001	NC_021164.1	Ca_kabuli_chr05	21741001	AA	CC	1940335488
SNP_P1_97156_21741063	NC_021164.1	Ca_kabuli_chr05	21741063	CC	TT	1940335490
SNP_P1_97157_21741100	NC_021164.1	Ca_kabuli_chr05	21741100	AA	GG	1940335492
SNP_P1_97158_21741134	NC_021164.1	Ca_kabuli_chr05	21741134	AA	CC	1940335494
SNP_P1_97159_21741339	NC_021164.1	Ca_kabuli_chr05	21741339	GG	AA	1940335495
SNP_P1_97160_21745782	NC_021164.1	Ca_kabuli_chr05	21745782	AA	TT	1940335497
SNP_P1_97161_21745884	NC_021164.1	Ca_kabuli_chr05	21745884	AA	CC	1940335499
SNP_P1_97162_21746151	NC_021164.1	Ca_kabuli_chr05	21746151	TT	CC	1940335501
SNP_P1_97163_21746170	NC_021164.1	Ca_kabuli_chr05	21746170	TT	CC	1940335502
SNP_P1_97164_21746172	NC_021164.1	Ca_kabuli_chr05	21746172	TT	CC	1940335504
SNP_P1_97165_21746181	NC_021164.1	Ca_kabuli_chr05	21746181	TT	CC	1940335506
SNP_P1_97166_21746241	NC_021164.1	Ca_kabuli_chr05	21746241	TT	GG	1940335507
SNP_P1_97167_21746247	NC_021164.1	Ca_kabuli_chr05	21746247	CC	GG	1940335509

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97170_21760058	NC_021164.1	Ca_kabuli_chr05	21760058	GG	AA	1940335513
SNP_P1_97171_21765210	NC_021164.1	Ca_kabuli_chr05	21765210	CC	TT	1940335514
SNP_P1_97172_21777860	NC_021164.1	Ca_kabuli_chr05	21777860	AA	GG	1940335516
SNP_P1_97173_21787255	NC_021164.1	Ca_kabuli_chr05	21787255	AA	GG	1940335518
SNP_P1_97174_21787257	NC_021164.1	Ca_kabuli_chr05	21787257	AA	TT	1940335519
SNP_P1_97175_21803991	NC_021164.1	Ca_kabuli_chr05	21803991	TT	CC	1940335521
SNP_P1_97176_21804028	NC_021164.1	Ca_kabuli_chr05	21804028	AA	TT	1940335523
SNP_P1_97177_21822920	NC_021164.1	Ca_kabuli_chr05	21822920	TT	CC	1940335525
SNP_P1_97178_21845212	NC_021164.1	Ca_kabuli_chr05	21845212	GG	AA	1940335526
SNP_P1_97179_21845225	NC_021164.1	Ca_kabuli_chr05	21845225	TT	CC	1940335528
SNP_P1_97180_21846004	NC_021164.1	Ca_kabuli_chr05	21846004	CC	TT	1940335530
SNP_P1_97181_21846444	NC_021164.1	Ca_kabuli_chr05	21846444	TT	AA	1940335531
SNP_P1_97182_21846449	NC_021164.1	Ca_kabuli_chr05	21846449	AA	GG	1940335533
SNP_P1_97183_21846567	NC_021164.1	Ca_kabuli_chr05	21846567	AA	TT	1940335535
SNP_P1_97184_21846662	NC_021164.1	Ca_kabuli_chr05	21846662	TT	GG	1940335537
SNP_P1_97185_21846677	NC_021164.1	Ca_kabuli_chr05	21846677	TT	CC	1940335538
SNP_P1_97186_21846685	NC_021164.1	Ca_kabuli_chr05	21846685	AA	GG	1940335540
SNP_P1_97187_21846725	NC_021164.1	Ca_kabuli_chr05	21846725	AA	CC	1940335542
SNP_P1_97188_21846743	NC_021164.1	Ca_kabuli_chr05	21846743	GG	TT	1940335543
SNP_P1_97189_21846807	NC_021164.1	Ca_kabuli_chr05	21846807	AA	TT	1940335545
SNP_P1_97190_21846832	NC_021164.1	Ca_kabuli_chr05	21846832	AA	GG	1940335547
SNP_P1_97191_21846876	NC_021164.1	Ca_kabuli_chr05	21846876	AA	GG	1940335549
SNP_P1_97193_21851286	NC_021164.1	Ca_kabuli_chr05	21851286	GG	TT	1940335550
SNP_P1_97194_21851290	NC_021164.1	Ca_kabuli_chr05	21851290	GG	AA	1940335552
SNP_P1_97195_21851369	NC_021164.1	Ca_kabuli_chr05	21851369	TT	GG	1940335554
SNP_P1_97196_21853701	NC_021164.1	Ca_kabuli_chr05	21853701	TT	CC	1940335555
SNP_P1_97197_21856571	NC_021164.1	Ca_kabuli_chr05	21856571	GG	TT	1940335557
SNP_P1_97198_21865072	NC_021164.1	Ca_kabuli_chr05	21865072	TT	GG	1940335559
SNP_P1_97199_21865444	NC_021164.1	Ca_kabuli_chr05	21865444	TT	CC	1940335561
SNP_P1_97200_21865490	NC_021164.1	Ca_kabuli_chr05	21865490	TT	CC	1940335562
SNP_P1_97201_21865540	NC_021164.1	Ca_kabuli_chr05	21865540	AA	GG	1940335564
SNP_P1_97202_21865543	NC_021164.1	Ca_kabuli_chr05	21865543	AA	GG	1940335566
SNP_P1_97203_21865755	NC_021164.1	Ca_kabuli_chr05	21865755	CC	TT	1940335567
SNP_P1_97205_21867725	NC_021164.1	Ca_kabuli_chr05	21867725	TT	CC	1940335569
SNP_P1_97206_21867734	NC_021164.1	Ca_kabuli_chr05	21867734	AA	GG	1940335571
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SNP_P1_97209_21867902	NC_021164.1	Ca_kabuli_chr05	21867902	TT	GG	1940335576
SNP_P1_97210_21867933	NC_021164.1	Ca_kabuli_chr05	21867933	CC	TT	1940335578
SNP_P1_97211_21867963	NC_021164.1	Ca_kabuli_chr05	21867963	AA	GG	1940335579
SNP_P1_97212_21867965	NC_021164.1	Ca_kabuli_chr05	21867965	AA	GG	1940335581

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97214_21867994	NC_021164.1	Ca_kabuli_chr05	21867994	AA	GG	1940335585
SNP_P1_97216_21887591	NC_021164.1	Ca_kabuli_chr05	21887591	TT	CC	1940335586
SNP_P1_97217_21889673	NC_021164.1	Ca_kabuli_chr05	21889673	CC	TT	1940335588
SNP_P1_97218_21892004	NC_021164.1	Ca_kabuli_chr05	21892004	AA	GG	1940335590
SNP_P1_97219_21894762	NC_021164.1	Ca_kabuli_chr05	21894762	TT	AA	1940335591
SNP_P1_97220_21894803	NC_021164.1	Ca_kabuli_chr05	21894803	CC	GG	1940335593
SNP_P1_97221_21895556	NC_021164.1	Ca_kabuli_chr05	21895556	AA	TT	1940335595
SNP_P1_97222_21898491	NC_021164.1	Ca_kabuli_chr05	21898491	GG	CC	1940335597
SNP_P1_97223_21898552	NC_021164.1	Ca_kabuli_chr05	21898552	GG	AA	1940335598
SNP_P1_97224_21899296	NC_021164.1	Ca_kabuli_chr05	21899296	AA	GG	1940335600
SNP_P1_97226_21899764	NC_021164.1	Ca_kabuli_chr05	21899764	AA	TT	1940335602
SNP_P1_97227_21899996	NC_021164.1	Ca_kabuli_chr05	21899996	TT	GG	1940335603
SNP_P1_97228_21900005	NC_021164.1	Ca_kabuli_chr05	21900005	CC	GG	1940335605
SNP_P1_97229_21900026	NC_021164.1	Ca_kabuli_chr05	21900026	GG	AA	1940335607
SNP_P1_97230_21900041	NC_021164.1	Ca_kabuli_chr05	21900041	CC	TT	1940335609
SNP_P1_97231_21901046	NC_021164.1	Ca_kabuli_chr05	21901046	AA	TT	1940335610
SNP_P1_97232_21901049	NC_021164.1	Ca_kabuli_chr05	21901049	TT	AA	1940335612
SNP_P1_97233_21901069	NC_021164.1	Ca_kabuli_chr05	21901069	TT	CC	1940335614
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SNP_P1_97235_21901113	NC_021164.1	Ca_kabuli_chr05	21901113	TT	CC	1940335617
SNP_P1_97236_21901124	NC_021164.1	Ca_kabuli_chr05	21901124	GG	TT	1940335619
SNP_P1_97237_21901149	NC_021164.1	Ca_kabuli_chr05	21901149	AA	CC	1940335621
SNP_P1_97238_21901430	NC_021164.1	Ca_kabuli_chr05	21901430	CC	TT	1940335622
SNP_P1_97239_21908414	NC_021164.1	Ca_kabuli_chr05	21908414	TT	CC	1940335624
SNP_P1_97240_21908672	NC_021164.1	Ca_kabuli_chr05	21908672	AA	CC	1940335626
SNP_P1_97241_21908929	NC_021164.1	Ca_kabuli_chr05	21908929	GG	TT	1940335627
SNP_P1_97242_21909082	NC_021164.1	Ca_kabuli_chr05	21909082	AA	GG	1940335629
SNP_P1_97243_21909093	NC_021164.1	Ca_kabuli_chr05	21909093	CC	TT	1940335631
SNP_P1_97244_21909350	NC_021164.1	Ca_kabuli_chr05	21909350	TT	CC	1940335633
SNP_P1_97246_21910345	NC_021164.1	Ca_kabuli_chr05	21910345	CC	TT	1940335634
SNP_P1_97247_21913755	NC_021164.1	Ca_kabuli_chr05	21913755	GG	AA	1940335636
SNP_P1_97249_21917379	NC_021164.1	Ca_kabuli_chr05	21917379	AA	GG	1940335638
SNP_P1_97250_21917422	NC_021164.1	Ca_kabuli_chr05	21917422	TT	CC	1940335639
SNP_P1_97251_21918442	NC_021164.1	Ca_kabuli_chr05	21918442	TT	CC	1940335641
SNP_P1_97252_21918445	NC_021164.1	Ca_kabuli_chr05	21918445	TT	CC	1940335643
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SNP_P1_97254_21918719	NC_021164.1	Ca_kabuli_chr05	21918719	TT	CC	1940335646
SNP_P1_97255_21918804	NC_021164.1	Ca_kabuli_chr05	21918804	AA	CC	1940335648
SNP_P1_97256_21918813	NC_021164.1	Ca_kabuli_chr05	21918813	AA	GG	1940335650
SNP_P1_97257_21918846	NC_021164.1	Ca_kabuli_chr05	21918846	TT	CC	1940335651
SNP_P1_97258_21918863	NC_021164.1	Ca_kabuli_chr05	21918863	CC	GG	1940335653

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97260_21918876	NC_021164.1	Ca_kabuli_chr05	21918876	AA	GG	1940335657
SNP_P1_97261_21918880	NC_021164.1	Ca_kabuli_chr05	21918880	TT	CC	1940335658
SNP_P1_97262_21918896	NC_021164.1	Ca_kabuli_chr05	21918896	TT	GG	1940335660
SNP_P1_97263_21918897	NC_021164.1	Ca_kabuli_chr05	21918897	GG	AA	1940335662
SNP_P1_97264_21918908	NC_021164.1	Ca_kabuli_chr05	21918908	TT	CC	1940335664
SNP_P1_97265_21921250	NC_021164.1	Ca_kabuli_chr05	21921250	TT	CC	1940335665
SNP_P1_97266_21921362	NC_021164.1	Ca_kabuli_chr05	21921362	TT	GG	1940335667
SNP_P1_97267_21921387	NC_021164.1	Ca_kabuli_chr05	21921387	GG	AA	1940335669
SNP_P1_97268_21921388	NC_021164.1	Ca_kabuli_chr05	21921388	TT	GG	1940335670
SNP_P1_97269_21921409	NC_021164.1	Ca_kabuli_chr05	21921409	TT	AA	1940335672
SNP_P1_97270_21921463	NC_021164.1	Ca_kabuli_chr05	21921463	AA	GG	1940335674
SNP_P1_97271_21921472	NC_021164.1	Ca_kabuli_chr05	21921472	TT	AA	1940335676
SNP_P1_97272_21921528	NC_021164.1	Ca_kabuli_chr05	21921528	AA	TT	1940335677
SNP_P1_97273_21921543	NC_021164.1	Ca_kabuli_chr05	21921543	TT	AA	1940335679
SNP_P1_97274_21921547	NC_021164.1	Ca_kabuli_chr05	21921547	GG	AA	1940335681
SNP_P1_97275_21921590	NC_021164.1	Ca_kabuli_chr05	21921590	TT	GG	1940335682
SNP_P1_97276_21921609	NC_021164.1	Ca_kabuli_chr05	21921609	TT	CC	1940335684
SNP_P1_97277_21921665	NC_021164.1	Ca_kabuli_chr05	21921665	AA	GG	1940335686
SNP_P1_97278_21921783	NC_021164.1	Ca_kabuli_chr05	21921783	TT	AA	1940335688
SNP_P1_97279_21921803	NC_021164.1	Ca_kabuli_chr05	21921803	TT	AA	1940335689
SNP_P1_97280_21921863	NC_021164.1	Ca_kabuli_chr05	21921863	CC	AA	1940335691
SNP_P1_97281_21944872	NC_021164.1	Ca_kabuli_chr05	21944872	GG	AA	1940335693
SNP_P1_97282_21945912	NC_021164.1	Ca_kabuli_chr05	21945912	TT	GG	1940335694
SNP_P1_97283_21945957	NC_021164.1	Ca_kabuli_chr05	21945957	TT	AA	1940335696
SNP_P1_97284_21945977	NC_021164.1	Ca_kabuli_chr05	21945977	GG	AA	1940335698
SNP_P1_97285_21946007	NC_021164.1	Ca_kabuli_chr05	21946007	AA	GG	1940335700
SNP_P1_97286_21946156	NC_021164.1	Ca_kabuli_chr05	21946156	TT	CC	1940335701
SNP_P1_97289_21998824	NC_021164.1	Ca_kabuli_chr05	21998824	TT	CC	1940335703
SNP_P1_97290_21998825	NC_021164.1	Ca_kabuli_chr05	21998825	TT	CC	1940335705
SNP_P1_97291_22003166	NC_021164.1	Ca_kabuli_chr05	22003166	TT	CC	1940335706
SNP_P1_97292_22058575	NC_021164.1	Ca_kabuli_chr05	22058575	AA	GG	1940335708
SNP_P1_97294_22112627	NC_021164.1	Ca_kabuli_chr05	22112627	GG	TT	1940335710
SNP_P1_97295_22112762	NC_021164.1	Ca_kabuli_chr05	22112762	GG	AA	1940335712
SNP_P1_97297_22124398	NC_021164.1	Ca_kabuli_chr05	22124398	CC	GG	1940335713
SNP_P1_97299_22139095	NC_021164.1	Ca_kabuli_chr05	22139095	GG	TT	1940335715
SNP_P1_97300_22142855	NC_021164.1	Ca_kabuli_chr05	22142855	CC	TT	1940335717
SNP_P1_97301_22142885	NC_021164.1	Ca_kabuli_chr05	22142885	GG	TT	1940335718
SNP_P1_97302_22144960	NC_021164.1	Ca_kabuli_chr05	22144960	AA	CC	1940335720
SNP_P1_97305_22188370	NC_021164.1	Ca_kabuli_chr05	22188370	CC	TT	1940335722
SNP_P1_97306_22189432	NC_021164.1	Ca_kabuli_chr05	22189432	GG	AA	1940335724
SNP_P1_97307_22189433	NC_021164.1	Ca_kabuli_chr05	22189433	TT	CC	1940335725

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97309_22205901	NC_021164.1	Ca_kabuli_chr05	22205901	CC	TT	1940335729
SNP_P1_97310_22205934	NC_021164.1	Ca_kabuli_chr05	22205934	TT	GG	1940335731
SNP_P1_97311_22205977	NC_021164.1	Ca_kabuli_chr05	22205977	CC	TT	1940335732
SNP_P1_97312_22205988	NC_021164.1	Ca_kabuli_chr05	22205988	CC	TT	1940335734
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SNP_P1_97314_22208833	NC_021164.1	Ca_kabuli_chr05	22208833	GG	AA	1940335737
SNP_P1_97315_22210180	NC_021164.1	Ca_kabuli_chr05	22210180	TT	CC	1940335739
SNP_P1_97316_22210460	NC_021164.1	Ca_kabuli_chr05	22210460	AA	TT	1940335741
SNP_P1_97317_22210532	NC_021164.1	Ca_kabuli_chr05	22210532	CC	TT	1940335743
SNP_P1_97318_22210570	NC_021164.1	Ca_kabuli_chr05	22210570	AA	GG	1940335744
SNP_P1_97319_22210637	NC_021164.1	Ca_kabuli_chr05	22210637	TT	CC	1940335746
SNP_P1_97321_22255850	NC_021164.1	Ca_kabuli_chr05	22255850	AA	GG	1940335748
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SNP_P1_97326_22292523	NC_021164.1	Ca_kabuli_chr05	22292523	AA	GG	1940335756
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SNP_P1_97329_22293778	NC_021164.1	Ca_kabuli_chr05	22293778	TT	CC	1940335761
SNP_P1_97330_22293826	NC_021164.1	Ca_kabuli_chr05	22293826	TT	CC	1940335763
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SNP_P1_97332_22294110	NC_021164.1	Ca_kabuli_chr05	22294110	AA	GG	1940335767
SNP_P1_97333_22294142	NC_021164.1	Ca_kabuli_chr05	22294142	GG	AA	1940335768
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SNP_P1_97338_22294656	NC_021164.1	Ca_kabuli_chr05	22294656	TT	GG	1940335777
SNP_P1_97339_22313239	NC_021164.1	Ca_kabuli_chr05	22313239	CC	TT	1940335779
SNP_P1_97341_22340812	NC_021164.1	Ca_kabuli_chr05	22340812	CC	TT	1940335780
SNP_P1_97342_22340843	NC_021164.1	Ca_kabuli_chr05	22340843	TT	AA	1940335782
SNP_P1_97343_22359694	NC_021164.1	Ca_kabuli_chr05	22359694	TT	AA	1940335784
SNP_P1_97344_22380898	NC_021164.1	Ca_kabuli_chr05	22380898	CC	TT	1940335786
SNP_P1_97345_22382212	NC_021164.1	Ca_kabuli_chr05	22382212	TT	CC	1940335787
SNP_P1_97346_22386156	NC_021164.1	Ca_kabuli_chr05	22386156	CC	TT	1940335789
SNP_P1_97347_22388148	NC_021164.1	Ca_kabuli_chr05	22388148	CC	TT	1940335791
SNP_P1_97348_22393071	NC_021164.1	Ca_kabuli_chr05	22393071	TT	CC	1940335792
SNP_P1_97349_22400642	NC_021164.1	Ca_kabuli_chr05	22400642	TT	CC	1940335794
SNP_P1_97350_22401676	NC_021164.1	Ca_kabuli_chr05	22401676	TT	CC	1940335796
SNP_P1_97351_22413301	NC_021164.1	Ca_kabuli_chr05	22413301	GG	AA	1940335798

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97354_22419092	NC_021164.1	Ca_kabuli_chr05	22419092	GG	AA	1940335803
SNP_P1_97355_22430000	NC_021164.1	Ca_kabuli_chr05	22430000	AA	CC	1940335804
SNP_P1_97356_22435198	NC_021164.1	Ca_kabuli_chr05	22435198	AA	GG	1940335806
SNP_P1_97357_22465092	NC_021164.1	Ca_kabuli_chr05	22465092	AA	TT	1940335808
SNP_P1_97358_22465167	NC_021164.1	Ca_kabuli_chr05	22465167	AA	TT	1940335810
SNP_P1_97359_22465469	NC_021164.1	Ca_kabuli_chr05	22465469	CC	AA	1940335811
SNP_P1_97360_22465662	NC_021164.1	Ca_kabuli_chr05	22465662	CC	TT	1940335813
SNP_P1_97363_22555500	NC_021164.1	Ca_kabuli_chr05	22555500	AA	GG	1940335815
SNP_P1_97364_22573026	NC_021164.1	Ca_kabuli_chr05	22573026	GG	TT	1940335817
SNP_P1_97365_22582696	NC_021164.1	Ca_kabuli_chr05	22582696	TT	CC	1940335818
SNP_P1_97366_22584732	NC_021164.1	Ca_kabuli_chr05	22584732	TT	CC	1940335820
SNP_P1_97368_22615555	NC_021164.1	Ca_kabuli_chr05	22615555	CC	TT	1940335822
SNP_P1_97369_22615803	NC_021164.1	Ca_kabuli_chr05	22615803	TT	CC	1940335823
SNP_P1_97371_22616048	NC_021164.1	Ca_kabuli_chr05	22616048	TT	AA	1940335825
SNP_P1_97373_22648438	NC_021164.1	Ca_kabuli_chr05	22648438	TT	CC	1940335827
SNP_P1_97374_22649476	NC_021164.1	Ca_kabuli_chr05	22649476	CC	TT	1940335829
SNP_P1_97375_22649649	NC_021164.1	Ca_kabuli_chr05	22649649	AA	GG	1940335830
SNP_P1_97376_22649680	NC_021164.1	Ca_kabuli_chr05	22649680	CC	TT	1940335832
SNP_P1_97377_22649702	NC_021164.1	Ca_kabuli_chr05	22649702	GG	AA	1940335834
SNP_P1_97378_22649731	NC_021164.1	Ca_kabuli_chr05	22649731	AA	GG	1940335835
SNP_P1_97379_22649742	NC_021164.1	Ca_kabuli_chr05	22649742	CC	TT	1940335837
SNP_P1_97380_22649749	NC_021164.1	Ca_kabuli_chr05	22649749	CC	AA	1940335839
SNP_P1_97381_22649772	NC_021164.1	Ca_kabuli_chr05	22649772	TT	CC	1940335841
SNP_P1_97382_22649779	NC_021164.1	Ca_kabuli_chr05	22649779	CC	TT	1940335842
SNP_P1_97383_22649797	NC_021164.1	Ca_kabuli_chr05	22649797	TT	GG	1940335844
SNP_P1_97384_22649881	NC_021164.1	Ca_kabuli_chr05	22649881	TT	CC	1940335846
SNP_P1_97385_22649893	NC_021164.1	Ca_kabuli_chr05	22649893	TT	AA	1940335847
SNP_P1_97386_22649900	NC_021164.1	Ca_kabuli_chr05	22649900	TT	CC	1940335849
SNP_P1_97387_22649902	NC_021164.1	Ca_kabuli_chr05	22649902	AA	GG	1940335851
SNP_P1_97388_22649920	NC_021164.1	Ca_kabuli_chr05	22649920	GG	TT	1940335853
SNP_P1_97389_22649947	NC_021164.1	Ca_kabuli_chr05	22649947	TT	CC	1940335854
SNP_P1_97390_22649965	NC_021164.1	Ca_kabuli_chr05	22649965	TT	CC	1940335856
SNP_P1_97391_22649971	NC_021164.1	Ca_kabuli_chr05	22649971	AA	GG	1940335858
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SNP_P1_97394_22650321	NC_021164.1	Ca_kabuli_chr05	22650321	AA	TT	1940335863
SNP_P1_97395_22650327	NC_021164.1	Ca_kabuli_chr05	22650327	TT	AA	1940335865
SNP_P1_97396_22650333	NC_021164.1	Ca_kabuli_chr05	22650333	CC	TT	1940335866
SNP_P1_97397_22650422	NC_021164.1	Ca_kabuli_chr05	22650422	AA	GG	1940335868
SNP_P1_97398_22650423	NC_021164.1	Ca_kabuli_chr05	22650423	TT	CC	1940335870

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97401_22652172	NC_021164.1	Ca_kabuli_chr05	22652172	CC	TT	1940335875
SNP_P1_97402_22652198	NC_021164.1	Ca_kabuli_chr05	22652198	AA	GG	1940335877
SNP_P1_97403_22652376	NC_021164.1	Ca_kabuli_chr05	22652376	GG	AA	1940335878
SNP_P1_97404_22652382	NC_021164.1	Ca_kabuli_chr05	22652382	TT	CC	1940335880
SNP_P1_97405_22652961	NC_021164.1	Ca_kabuli_chr05	22652961	AA	GG	1940335882
SNP_P1_97406_22652966	NC_021164.1	Ca_kabuli_chr05	22652966	GG	AA	1940335883
SNP_P1_97407_22652986	NC_021164.1	Ca_kabuli_chr05	22652986	GG	TT	1940335885
SNP_P1_97408_22653025	NC_021164.1	Ca_kabuli_chr05	22653025	AA	GG	1940335887
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SNP_P1_97410_22653199	NC_021164.1	Ca_kabuli_chr05	22653199	AA	CC	1940335890
SNP_P1_97411_22653232	NC_021164.1	Ca_kabuli_chr05	22653232	AA	CC	1940335892
SNP_P1_97412_22653301	NC_021164.1	Ca_kabuli_chr05	22653301	TT	CC	1940335894
SNP_P1_97413_22654378	NC_021164.1	Ca_kabuli_chr05	22654378	GG	AA	1940335895
SNP_P1_97414_22654443	NC_021164.1	Ca_kabuli_chr05	22654443	CC	TT	1940335897
SNP_P1_97415_22654918	NC_021164.1	Ca_kabuli_chr05	22654918	AA	GG	1940335899
SNP_P1_97416_22654925	NC_021164.1	Ca_kabuli_chr05	22654925	AA	CC	1940335901
SNP_P1_97417_22654939	NC_021164.1	Ca_kabuli_chr05	22654939	TT	CC	1940335902
SNP_P1_97419_22659192	NC_021164.1	Ca_kabuli_chr05	22659192	AA	GG	1940335904
SNP_P1_97420_22659218	NC_021164.1	Ca_kabuli_chr05	22659218	CC	GG	1940335906
SNP_P1_97421_22659403	NC_021164.1	Ca_kabuli_chr05	22659403	AA	TT	1940335907
SNP_P1_97422_22668897	NC_021164.1	Ca_kabuli_chr05	22668897	AA	GG	1940335909
SNP_P1_97423_22668920	NC_021164.1	Ca_kabuli_chr05	22668920	CC	AA	1940335911
SNP_P1_97425_22691819	NC_021164.1	Ca_kabuli_chr05	22691819	GG	TT	1940335913
SNP_P1_97426_22691820	NC_021164.1	Ca_kabuli_chr05	22691820	AA	TT	1940335914
SNP_P1_97427_22691831	NC_021164.1	Ca_kabuli_chr05	22691831	TT	GG	1940335916
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SNP_P1_97430_22691844	NC_021164.1	Ca_kabuli_chr05	22691844	CC	GG	1940335921
SNP_P1_97431_22691874	NC_021164.1	Ca_kabuli_chr05	22691874	CC	AA	1940335923
SNP_P1_97432_22691876	NC_021164.1	Ca_kabuli_chr05	22691876	TT	GG	1940335925
SNP_P1_97433_22691880	NC_021164.1	Ca_kabuli_chr05	22691880	GG	AA	1940335926
SNP_P1_97434_22691910	NC_021164.1	Ca_kabuli_chr05	22691910	TT	CC	1940335928
SNP_P1_97435_22691957	NC_021164.1	Ca_kabuli_chr05	22691957	CC	GG	1940335930
SNP_P1_97436_22691958	NC_021164.1	Ca_kabuli_chr05	22691958	AA	GG	1940335932
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SNP_P1_97439_22693505	NC_021164.1	Ca_kabuli_chr05	22693505	AA	TT	1940335937
SNP_P1_97440_22693788	NC_021164.1	Ca_kabuli_chr05	22693788	GG	TT	1940335939
SNP_P1_97441_22693789	NC_021164.1	Ca_kabuli_chr05	22693789	AA	CC	1940335940
SNP_P1_97442_22693936	NC_021164.1	Ca_kabuli_chr05	22693936	CC	AA	1940335942

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97445_22695590	NC_021164.1	Ca_kabuli_chr05	22695590	TT	CC	1940335947
SNP_P1_97446_22695789	NC_021164.1	Ca_kabuli_chr05	22695789	AA	GG	1940335949
SNP_P1_97447_22722864	NC_021164.1	Ca_kabuli_chr05	22722864	TT	CC	1940335951
SNP_P1_97448_22722870	NC_021164.1	Ca_kabuli_chr05	22722870	AA	GG	1940335952
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SNP_P1_97456_22751661	NC_021164.1	Ca_kabuli_chr05	22751661	AA	CC	1940335966
SNP_P1_97457_22752118	NC_021164.1	Ca_kabuli_chr05	22752118	GG	AA	1940335968
SNP_P1_97458_22773468	NC_021164.1	Ca_kabuli_chr05	22773468	AA	TT	1940335969
SNP_P1_97459_22773469	NC_021164.1	Ca_kabuli_chr05	22773469	AA	TT	1940335971
SNP_P1_97460_22781176	NC_021164.1	Ca_kabuli_chr05	22781176	AA	GG	1940335973
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SNP_P1_97463_22864574	NC_021164.1	Ca_kabuli_chr05	22864574	GG	TT	1940335976
SNP_P1_97464_22864595	NC_021164.1	Ca_kabuli_chr05	22864595	TT	CC	1940335978
SNP_P1_97465_22864602	NC_021164.1	Ca_kabuli_chr05	22864602	CC	TT	1940335980
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SNP_P1_97472_22867956	NC_021164.1	Ca_kabuli_chr05	22867956	AA	GG	1940335992
SNP_P1_97473_22867972	NC_021164.1	Ca_kabuli_chr05	22867972	CC	TT	1940335994
SNP_P1_97474_22868003	NC_021164.1	Ca_kabuli_chr05	22868003	GG	AA	1940335995
SNP_P1_97475_22868018	NC_021164.1	Ca_kabuli_chr05	22868018	GG	AA	1940335997
SNP_P1_97476_22879854	NC_021164.1	Ca_kabuli_chr05	22879854	GG	AA	1940335999
SNP_P1_97477_22879856	NC_021164.1	Ca_kabuli_chr05	22879856	CC	GG	1940336000
SNP_P1_97478_22880160	NC_021164.1	Ca_kabuli_chr05	22880160	CC	AA	1940336002
SNP_P1_97479_22880225	NC_021164.1	Ca_kabuli_chr05	22880225	GG	AA	1940336004
SNP_P1_97480_22880346	NC_021164.1	Ca_kabuli_chr05	22880346	CC	TT	1940336006
SNP_P1_97481_22880430	NC_021164.1	Ca_kabuli_chr05	22880430	GG	AA	1940336007
SNP_P1_97482_22884337	NC_021164.1	Ca_kabuli_chr05	22884337	TT	CC	1940336009
SNP_P1_97483_22885129	NC_021164.1	Ca_kabuli_chr05	22885129	AA	GG	1940336011
SNP_P1_97484_22886526	NC_021164.1	Ca_kabuli_chr05	22886526	CC	TT	1940336012
SNP_P1_97485_22886585	NC_021164.1	Ca_kabuli_chr05	22886585	AA	GG	1940336014

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_97486_22890875	NC_021164.1	Ca_kabuli_chr05	22890875	GG	AA	1940336016
SNP_P1_97487_22895897	NC_021164.1	Ca_kabuli_chr05	22895897	AA	CC	1940336018
SNP_P1_97488_22896041	NC_021164.1	Ca_kabuli_chr05	22896041	TT	GG	1940336019
SNP_P1_97489_22896066	NC_021164.1	Ca_kabuli_chr05	22896066	TT	CC	1940336021
SNP_P1_97490_22896139	NC_021164.1	Ca_kabuli_chr05	22896139	CC	TT	1940336023
SNP_P1_97491_22896259	NC_021164.1	Ca_kabuli_chr05	22896259	GG	AA	1940336024
SNP_P1_97492_22896273	NC_021164.1	Ca_kabuli_chr05	22896273	TT	CC	1940336026
SNP_P1_97493_22896451	NC_021164.1	Ca_kabuli_chr05	22896451	TT	AA	1940336028
SNP_P1_97494_22896454	NC_021164.1	Ca_kabuli_chr05	22896454	GG	CC	1940336030
SNP_P1_97495_22896471	NC_021164.1	Ca_kabuli_chr05	22896471	AA	CC	1940336031
SNP_P1_97496_22896477	NC_021164.1	Ca_kabuli_chr05	22896477	TT	CC	1940336033
SNP_P1_97497_22915970	NC_021164.1	Ca_kabuli_chr05	22915970	TT	AA	1940336035
SNP_P1_97498_22918047	NC_021164.1	Ca_kabuli_chr05	22918047	AA	GG	1940336036
SNP_P1_97499_22918054	NC_021164.1	Ca_kabuli_chr05	22918054	GG	CC	1940336038
SNP_P1_97500_22918129	NC_021164.1	Ca_kabuli_chr05	22918129	CC	TT	1940336040
SNP_P1_97501_22918209	NC_021164.1	Ca_kabuli_chr05	22918209	AA	GG	1940336042
SNP_P1_97502_22918293	NC_021164.1	Ca_kabuli_chr05	22918293	AA	TT	1940336043
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SNP_P1_97509_22918579	NC_021164.1	Ca_kabuli_chr05	22918579	AA	TT	1940336052
SNP_P1_97510_22918580	NC_021164.1	Ca_kabuli_chr05	22918580	TT	GG	1940336054
SNP_P1_97511_22918582	NC_021164.1	Ca_kabuli_chr05	22918582	AA	GG	1940336055
SNP_P1_97512_22918600	NC_021164.1	Ca_kabuli_chr05	22918600	CC	GG	1940336057
SNP_P1_97513_22918622	NC_021164.1	Ca_kabuli_chr05	22918622	CC	TT	1940336059
SNP_P1_97514_22918633	NC_021164.1	Ca_kabuli_chr05	22918633	TT	CC	1940336060
SNP_P1_97515_22918640	NC_021164.1	Ca_kabuli_chr05	22918640	AA	TT	1940336062
SNP_P1_97516_22918677	NC_021164.1	Ca_kabuli_chr05	22918677	AA	GG	1940336064
SNP_P1_97517_22918678	NC_021164.1	Ca_kabuli_chr05	22918678	AA	TT	1940336066
SNP_P1_97518_22918684	NC_021164.1	Ca_kabuli_chr05	22918684	TT	CC	1940336067
SNP_P1_97519_22918685	NC_021164.1	Ca_kabuli_chr05	22918685	CC	AA	1940336069
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SNP_P1_97521_22919298	NC_021164.1	Ca_kabuli_chr05	22919298	GG	AA	1940336073
SNP_P1_97522_22919314	NC_021164.1	Ca_kabuli_chr05	22919314	TT	AA	1940336074
SNP_P1_97523_22919387	NC_021164.1	Ca_kabuli_chr05	22919387	AA	GG	1940336076
SNP_P1_97524_22919393	NC_021164.1	Ca_kabuli_chr05	22919393	TT	AA	1940336078
SNP_P1_97525_22919430	NC_021164.1	Ca_kabuli_chr05	22919430	AA	GG	1940336079
SNP_P1_97526_22919484	NC_021164.1	Ca_kabuli_chr05	22919484	TT	CC	1940336081
SNP_P1_97527_22919514	NC_021164.1	Ca_kabuli_chr05	22919514	TT	GG	1940336083
SNP_P1_97529_22919703	NC_021164.1	Ca_kabuli_chr05	22919703	GG	AA	1940336085
SNP_P1_97531_22919734	NC_021164.1	Ca_kabuli_chr05	22919734	GG	AA	1940336086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97534_22926859	NC_021164.1	Ca_kabuli_chr05	22926859	GG	AA	1940336091
SNP_P1_97535_22927124	NC_021164.1	Ca_kabuli_chr05	22927124	GG	CC	1940336093
SNP_P1_97536_22932556	NC_021164.1	Ca_kabuli_chr05	22932556	TT	CC	1940336095
SNP_P1_97537_22952012	NC_021164.1	Ca_kabuli_chr05	22952012	CC	GG	1940336097
SNP_P1_97538_22961372	NC_021164.1	Ca_kabuli_chr05	22961372	TT	CC	1940336098
SNP_P1_97540_23012625	NC_021164.1	Ca_kabuli_chr05	23012625	TT	CC	1940336100
SNP_P1_97541_23018956	NC_021164.1	Ca_kabuli_chr05	23018956	GG	AA	1940336102
SNP_P1_97542_23037194	NC_021164.1	Ca_kabuli_chr05	23037194	CC	AA	1940336103
SNP_P1_97545_23069087	NC_021164.1	Ca_kabuli_chr05	23069087	GG	TT	1940336105
SNP_P1_97546_23085206	NC_021164.1	Ca_kabuli_chr05	23085206	CC	GG	1940336107
SNP_P1_97547_23085223	NC_021164.1	Ca_kabuli_chr05	23085223	AA	GG	1940336109
SNP_P1_97548_23085506	NC_021164.1	Ca_kabuli_chr05	23085506	AA	GG	1940336110
SNP_P1_97549_23085515	NC_021164.1	Ca_kabuli_chr05	23085515	AA	GG	1940336112
SNP_P1_97550_23085581	NC_021164.1	Ca_kabuli_chr05	23085581	TT	CC	1940336114
SNP_P1_97551_23095837	NC_021164.1	Ca_kabuli_chr05	23095837	CC	TT	1940336115
SNP_P1_97553_23096517	NC_021164.1	Ca_kabuli_chr05	23096517	TT	CC	1940336117
SNP_P1_97554_23096622	NC_021164.1	Ca_kabuli_chr05	23096622	TT	CC	1940336119
SNP_P1_97555_23096845	NC_021164.1	Ca_kabuli_chr05	23096845	CC	TT	1940336121
SNP_P1_97556_23096939	NC_021164.1	Ca_kabuli_chr05	23096939	CC	TT	1940336122
SNP_P1_97557_23099260	NC_021164.1	Ca_kabuli_chr05	23099260	GG	TT	1940336124
SNP_P1_97559_23117235	NC_021164.1	Ca_kabuli_chr05	23117235	TT	CC	1940336126
SNP_P1_97560_23132843	NC_021164.1	Ca_kabuli_chr05	23132843	AA	CC	1940336127
SNP_P1_97562_23141389	NC_021164.1	Ca_kabuli_chr05	23141389	AA	TT	1940336129
SNP_P1_97563_23165902	NC_021164.1	Ca_kabuli_chr05	23165902	TT	GG	1940336131
SNP_P1_97565_23174895	NC_021164.1	Ca_kabuli_chr05	23174895	TT	AA	1940336133
SNP_P1_97566_23179158	NC_021164.1	Ca_kabuli_chr05	23179158	CC	TT	1940336134
SNP_P1_97567_23179194	NC_021164.1	Ca_kabuli_chr05	23179194	TT	GG	1940336136
SNP_P1_97568_23179195	NC_021164.1	Ca_kabuli_chr05	23179195	TT	CC	1940336138
SNP_P1_97569_23179203	NC_021164.1	Ca_kabuli_chr05	23179203	AA	TT	1940336140
SNP_P1_97570_23179213	NC_021164.1	Ca_kabuli_chr05	23179213	AA	CC	1940336141
SNP_P1_97571_23191302	NC_021164.1	Ca_kabuli_chr05	23191302	CC	AA	1940336143
SNP_P1_97572_23217560	NC_021164.1	Ca_kabuli_chr05	23217560	GG	TT	1940336145
SNP_P1_97573_23219924	NC_021164.1	Ca_kabuli_chr05	23219924	GG	AA	1940336146
SNP_P1_97574_23247914	NC_021164.1	Ca_kabuli_chr05	23247914	CC	TT	1940336148
SNP_P1_97575_23247963	NC_021164.1	Ca_kabuli_chr05	23247963	CC	TT	1940336150
SNP_P1_97576_23258353	NC_021164.1	Ca_kabuli_chr05	23258353	GG	AA	1940336152
SNP_P1_97577_23272201	NC_021164.1	Ca_kabuli_chr05	23272201	AA	GG	1940336153
SNP_P1_97579_23313684	NC_021164.1	Ca_kabuli_chr05	23313684	TT	CC	1940336155
SNP_P1_97580_23313686	NC_021164.1	Ca_kabuli_chr05	23313686	TT	GG	1940336157
SNP_P1_97581_23324452	NC_021164.1	Ca_kabuli_chr05	23324452	TT	AA	1940336158

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97583_23324480	NC_021164.1	Ca_kabuli_chr05	23324480	CC	TT	1940336162
SNP_P1_97584_23324481	NC_021164.1	Ca_kabuli_chr05	23324481	TT	AA	1940336164
SNP_P1_97585_23336129	NC_021164.1	Ca_kabuli_chr05	23336129	TT	AA	1940336165
SNP_P1_97586_23336130	NC_021164.1	Ca_kabuli_chr05	23336130	AA	TT	1940336167
SNP_P1_97587_23336151	NC_021164.1	Ca_kabuli_chr05	23336151	CC	TT	1940336169
SNP_P1_97588_23336212	NC_021164.1	Ca_kabuli_chr05	23336212	AA	CC	1940336170
SNP_P1_97589_23336547	NC_021164.1	Ca_kabuli_chr05	23336547	TT	AA	1940336172
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SNP_P1_97591_23336615	NC_021164.1	Ca_kabuli_chr05	23336615	AA	GG	1940336176
SNP_P1_97592_23337385	NC_021164.1	Ca_kabuli_chr05	23337385	AA	TT	1940336177
SNP_P1_97593_23337593	NC_021164.1	Ca_kabuli_chr05	23337593	GG	AA	1940336179
SNP_P1_97594_23337658	NC_021164.1	Ca_kabuli_chr05	23337658	CC	TT	1940336181
SNP_P1_97595_23337675	NC_021164.1	Ca_kabuli_chr05	23337675	AA	TT	1940336182
SNP_P1_97596_23338134	NC_021164.1	Ca_kabuli_chr05	23338134	CC	TT	1940336184
SNP_P1_97597_23341425	NC_021164.1	Ca_kabuli_chr05	23341425	AA	GG	1940336186
SNP_P1_97598_23342599	NC_021164.1	Ca_kabuli_chr05	23342599	GG	TT	1940336188
SNP_P1_97599_23355099	NC_021164.1	Ca_kabuli_chr05	23355099	TT	CC	1940336189
SNP_P1_97600_23355106	NC_021164.1	Ca_kabuli_chr05	23355106	CC	TT	1940336191
SNP_P1_97601_23355112	NC_021164.1	Ca_kabuli_chr05	23355112	AA	GG	1940336193
SNP_P1_97602_23364571	NC_021164.1	Ca_kabuli_chr05	23364571	TT	AA	1940336194
SNP_P1_97603_23378176	NC_021164.1	Ca_kabuli_chr05	23378176	GG	AA	1940336196
SNP_P1_97604_23381473	NC_021164.1	Ca_kabuli_chr05	23381473	AA	CC	1940336198
SNP_P1_97605_23394709	NC_021164.1	Ca_kabuli_chr05	23394709	GG	TT	1940336200
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SNP_P1_97607_23394760	NC_021164.1	Ca_kabuli_chr05	23394760	TT	AA	1940336203
SNP_P1_97610_23409253	NC_021164.1	Ca_kabuli_chr05	23409253	GG	AA	1940336205
SNP_P1_97612_23437164	NC_021164.1	Ca_kabuli_chr05	23437164	GG	CC	1940336207
SNP_P1_97613_23462452	NC_021164.1	Ca_kabuli_chr05	23462452	GG	TT	1940336208
SNP_P1_97614_23462461	NC_021164.1	Ca_kabuli_chr05	23462461	TT	CC	1940336210
SNP_P1_97615_23464636	NC_021164.1	Ca_kabuli_chr05	23464636	AA	GG	1940336212
SNP_P1_97616_23471798	NC_021164.1	Ca_kabuli_chr05	23471798	TT	GG	1940336213
SNP_P1_97617_23487805	NC_021164.1	Ca_kabuli_chr05	23487805	GG	AA	1940336215
SNP_P1_97618_23487809	NC_021164.1	Ca_kabuli_chr05	23487809	AA	TT	1940336217
SNP_P1_97619_23487814	NC_021164.1	Ca_kabuli_chr05	23487814	AA	CC	1940336219
SNP_P1_97620_23487904	NC_021164.1	Ca_kabuli_chr05	23487904	AA	GG	1940336220
SNP_P1_97621_23488049	NC_021164.1	Ca_kabuli_chr05	23488049	AA	GG	1940336222
SNP_P1_97622_23488076	NC_021164.1	Ca_kabuli_chr05	23488076	AA	CC	1940336224
SNP_P1_97623_23488081	NC_021164.1	Ca_kabuli_chr05	23488081	CC	TT	1940336225
SNP_P1_97624_23508982	NC_021164.1	Ca_kabuli_chr05	23508982	TT	CC	1940336227
SNP_P1_97626_23533501	NC_021164.1	Ca_kabuli_chr05	23533501	TT	AA	1940336229
SNP_P1_97627_23534503	NC_021164.1	Ca_kabuli_chr05	23534503	CC	TT	1940336231

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97629_23539602	NC_021164.1	Ca_kabuli_chr05	23539602	CC	TT	1940336234
SNP_P1_97630_23544406	NC_021164.1	Ca_kabuli_chr05	23544406	TT	GG	1940336236
SNP_P1_97631_23544462	NC_021164.1	Ca_kabuli_chr05	23544462	TT	AA	1940336237
SNP_P1_97632_23544470	NC_021164.1	Ca_kabuli_chr05	23544470	AA	GG	1940336239
SNP_P1_97633_23544693	NC_021164.1	Ca_kabuli_chr05	23544693	GG	TT	1940336241
SNP_P1_97634_23544732	NC_021164.1	Ca_kabuli_chr05	23544732	CC	TT	1940336243
SNP_P1_97635_23545906	NC_021164.1	Ca_kabuli_chr05	23545906	GG	CC	1940336244
SNP_P1_97637_23557378	NC_021164.1	Ca_kabuli_chr05	23557378	CC	TT	1940336246
SNP_P1_97638_23557505	NC_021164.1	Ca_kabuli_chr05	23557505	AA	GG	1940336248
SNP_P1_97640_23557661	NC_021164.1	Ca_kabuli_chr05	23557661	CC	AA	1940336249
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SNP_P1_97642_23557665	NC_021164.1	Ca_kabuli_chr05	23557665	GG	CC	1940336253
SNP_P1_97643_23557666	NC_021164.1	Ca_kabuli_chr05	23557666	AA	GG	1940336255
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SNP_P1_97645_23557735	NC_021164.1	Ca_kabuli_chr05	23557735	TT	AA	1940336258
SNP_P1_97646_23557754	NC_021164.1	Ca_kabuli_chr05	23557754	TT	CC	1940336260
SNP_P1_97647_23558076	NC_021164.1	Ca_kabuli_chr05	23558076	TT	CC	1940336262
SNP_P1_97648_23558112	NC_021164.1	Ca_kabuli_chr05	23558112	TT	CC	1940336263
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SNP_P1_97651_23559208	NC_021164.1	Ca_kabuli_chr05	23559208	TT	AA	1940336268
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SNP_P1_97653_23559226	NC_021164.1	Ca_kabuli_chr05	23559226	TT	CC	1940336272
SNP_P1_97654_23559232	NC_021164.1	Ca_kabuli_chr05	23559232	CC	TT	1940336274
SNP_P1_97655_23559237	NC_021164.1	Ca_kabuli_chr05	23559237	TT	AA	1940336275
SNP_P1_97656_23559271	NC_021164.1	Ca_kabuli_chr05	23559271	CC	GG	1940336277
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SNP_P1_97658_23559292	NC_021164.1	Ca_kabuli_chr05	23559292	TT	CC	1940336280
SNP_P1_97659_23559294	NC_021164.1	Ca_kabuli_chr05	23559294	AA	CC	1940336282
SNP_P1_97660_23559296	NC_021164.1	Ca_kabuli_chr05	23559296	GG	CC	1940336284
SNP_P1_97661_23559302	NC_021164.1	Ca_kabuli_chr05	23559302	GG	AA	1940336286
SNP_P1_97662_23559310	NC_021164.1	Ca_kabuli_chr05	23559310	AA	CC	1940336287
SNP_P1_97663_23559311	NC_021164.1	Ca_kabuli_chr05	23559311	TT	CC	1940336289
SNP_P1_97664_23566740	NC_021164.1	Ca_kabuli_chr05	23566740	TT	GG	1940336291
SNP_P1_97665_23567049	NC_021164.1	Ca_kabuli_chr05	23567049	AA	TT	1940336292
SNP_P1_97666_23567058	NC_021164.1	Ca_kabuli_chr05	23567058	TT	AA	1940336294
SNP_P1_97667_23567091	NC_021164.1	Ca_kabuli_chr05	23567091	AA	CC	1940336296
SNP_P1_97668_23567114	NC_021164.1	Ca_kabuli_chr05	23567114	TT	GG	1940336298
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SNP_P1_97670_23567871	NC_021164.1	Ca_kabuli_chr05	23567871	TT	CC	1940336301
SNP_P1_97671_23567891	NC_021164.1	Ca_kabuli_chr05	23567891	TT	CC	1940336303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97673_23568336	NC_021164.1	Ca_kabuli_chr05	23568336	CC	TT	1940336306
SNP_P1_97674_23582374	NC_021164.1	Ca_kabuli_chr05	23582374	GG	TT	1940336308
SNP_P1_97675_23583692	NC_021164.1	Ca_kabuli_chr05	23583692	AA	GG	1940336310
SNP_P1_97676_23585048	NC_021164.1	Ca_kabuli_chr05	23585048	CC	AA	1940336311
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SNP_P1_97678_23585130	NC_021164.1	Ca_kabuli_chr05	23585130	GG	TT	1940336315
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SNP_P1_97680_23585653	NC_021164.1	Ca_kabuli_chr05	23585653	AA	CC	1940336318
SNP_P1_97681_23585677	NC_021164.1	Ca_kabuli_chr05	23585677	CC	GG	1940336320
SNP_P1_97682_23588479	NC_021164.1	Ca_kabuli_chr05	23588479	TT	CC	1940336322
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SNP_P1_97685_23588926	NC_021164.1	Ca_kabuli_chr05	23588926	GG	TT	1940336327
SNP_P1_97686_23588937	NC_021164.1	Ca_kabuli_chr05	23588937	GG	CC	1940336329
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SNP_P1_97690_23595409	NC_021164.1	Ca_kabuli_chr05	23595409	CC	TT	1940336335
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SNP_P1_97699_23596643	NC_021164.1	Ca_kabuli_chr05	23596643	AA	GG	1940336349
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SNP_P1_97702_23606053	NC_021164.1	Ca_kabuli_chr05	23606053	TT	GG	1940336354
SNP_P1_97703_23606214	NC_021164.1	Ca_kabuli_chr05	23606214	GG	AA	1940336356
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SNP_P1_97711_23606527	NC_021164.1	Ca_kabuli_chr05	23606527	TT	CC	1940336370
SNP_P1_97712_23607292	NC_021164.1	Ca_kabuli_chr05	23607292	CC	TT	1940336371
SNP_P1_97713_23607753	NC_021164.1	Ca_kabuli_chr05	23607753	TT	CC	1940336373
SNP_P1_97714_23619622	NC_021164.1	Ca_kabuli_chr05	23619622	GG	TT	1940336375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97717_23643379	NC_021164.1	Ca_kabuli_chr05	23643379	GG	AA	1940336380
SNP_P1_97718_23644704	NC_021164.1	Ca_kabuli_chr05	23644704	TT	CC	1940336382
SNP_P1_97719_23644770	NC_021164.1	Ca_kabuli_chr05	23644770	TT	CC	1940336384
SNP_P1_97720_23644866	NC_021164.1	Ca_kabuli_chr05	23644866	TT	CC	1940336385
SNP_P1_97721_23645021	NC_021164.1	Ca_kabuli_chr05	23645021	GG	TT	1940336387
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SNP_P1_97723_23645153	NC_021164.1	Ca_kabuli_chr05	23645153	GG	AA	1940336390
SNP_P1_97724_23645186	NC_021164.1	Ca_kabuli_chr05	23645186	AA	GG	1940336392
SNP_P1_97725_23645206	NC_021164.1	Ca_kabuli_chr05	23645206	AA	TT	1940336394
SNP_P1_97726_23645213	NC_021164.1	Ca_kabuli_chr05	23645213	AA	GG	1940336396
SNP_P1_97727_23645228	NC_021164.1	Ca_kabuli_chr05	23645228	AA	GG	1940336397
SNP_P1_97728_23645241	NC_021164.1	Ca_kabuli_chr05	23645241	TT	CC	1940336399
SNP_P1_97729_23645243	NC_021164.1	Ca_kabuli_chr05	23645243	TT	GG	1940336401
SNP_P1_97730_23645295	NC_021164.1	Ca_kabuli_chr05	23645295	GG	AA	1940336402
SNP_P1_97731_23645347	NC_021164.1	Ca_kabuli_chr05	23645347	AA	GG	1940336404
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SNP_P1_97743_23663093	NC_021164.1	Ca_kabuli_chr05	23663093	AA	CC	1940336425
SNP_P1_97744_23663168	NC_021164.1	Ca_kabuli_chr05	23663168	AA	GG	1940336427
SNP_P1_97747_23663195	NC_021164.1	Ca_kabuli_chr05	23663195	CC	AA	1940336428
SNP_P1_97748_23664201	NC_021164.1	Ca_kabuli_chr05	23664201	AA	GG	1940336430
SNP_P1_97749_23664245	NC_021164.1	Ca_kabuli_chr05	23664245	TT	CC	1940336432
SNP_P1_97750_23664292	NC_021164.1	Ca_kabuli_chr05	23664292	AA	CC	1940336433
SNP_P1_97751_23664301	NC_021164.1	Ca_kabuli_chr05	23664301	AA	GG	1940336435
SNP_P1_97752_23664373	NC_021164.1	Ca_kabuli_chr05	23664373	AA	CC	1940336437
SNP_P1_97753_23664483	NC_021164.1	Ca_kabuli_chr05	23664483	AA	GG	1940336439
SNP_P1_97754_23664514	NC_021164.1	Ca_kabuli_chr05	23664514	AA	GG	1940336440
SNP_P1_97755_23664561	NC_021164.1	Ca_kabuli_chr05	23664561	TT	CC	1940336442
SNP_P1_97757_23668830	NC_021164.1	Ca_kabuli_chr05	23668830	GG	TT	1940336444
SNP_P1_97758_23668919	NC_021164.1	Ca_kabuli_chr05	23668919	GG	TT	1940336445
SNP_P1_97759_23668943	NC_021164.1	Ca_kabuli_chr05	23668943	GG	AA	1940336447

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97762_23670085	NC_021164.1	Ca_kabuli_chr05	23670085	TT	CC	1940336452
SNP_P1_97763_23670111	NC_021164.1	Ca_kabuli_chr05	23670111	AA	GG	1940336454
SNP_P1_97764_23670171	NC_021164.1	Ca_kabuli_chr05	23670171	AA	CC	1940336456
SNP_P1_97765_23670548	NC_021164.1	Ca_kabuli_chr05	23670548	AA	GG	1940336457
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SNP_P1_97767_23670617	NC_021164.1	Ca_kabuli_chr05	23670617	CC	TT	1940336461
SNP_P1_97768_23670762	NC_021164.1	Ca_kabuli_chr05	23670762	AA	GG	1940336463
SNP_P1_97769_23670780	NC_021164.1	Ca_kabuli_chr05	23670780	TT	CC	1940336464
SNP_P1_97770_23670875	NC_021164.1	Ca_kabuli_chr05	23670875	TT	CC	1940336466
SNP_P1_97771_23670919	NC_021164.1	Ca_kabuli_chr05	23670919	TT	AA	1940336468
SNP_P1_97772_23670932	NC_021164.1	Ca_kabuli_chr05	23670932	AA	CC	1940336469
SNP_P1_97773_23671224	NC_021164.1	Ca_kabuli_chr05	23671224	TT	CC	1940336471
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SNP_P1_97789_23674758	NC_021164.1	Ca_kabuli_chr05	23674758	TT	CC	1940336495
SNP_P1_97790_23674768	NC_021164.1	Ca_kabuli_chr05	23674768	CC	TT	1940336497
SNP_P1_97791_23674846	NC_021164.1	Ca_kabuli_chr05	23674846	TT	CC	1940336499
SNP_P1_97792_23674893	NC_021164.1	Ca_kabuli_chr05	23674893	AA	GG	1940336500
SNP_P1_97795_23803870	NC_021164.1	Ca_kabuli_chr05	23803870	TT	GG	1940336502
SNP_P1_97796_23804315	NC_021164.1	Ca_kabuli_chr05	23804315	AA	GG	1940336504
SNP_P1_97799_23831947	NC_021164.1	Ca_kabuli_chr05	23831947	TT	AA	1940336506
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SNP_P1_97808_23993641	NC_021164.1	Ca_kabuli_chr05	23993641	TT	AA	1940336518
SNP_P1_97810_23998542	NC_021164.1	Ca_kabuli_chr05	23998542	CC	AA	1940336519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97813_24007396	NC_021164.1	Ca_kabuli_chr05	24007396	AA	CC	1940336524
SNP_P1_97814_24007434	NC_021164.1	Ca_kabuli_chr05	24007434	GG	AA	1940336526
SNP_P1_97815_24008088	NC_021164.1	Ca_kabuli_chr05	24008088	CC	AA	1940336528
SNP_P1_97816_24032275	NC_021164.1	Ca_kabuli_chr05	24032275	TT	CC	1940336530
SNP_P1_97820_24095515	NC_021164.1	Ca_kabuli_chr05	24095515	TT	GG	1940336531
SNP_P1_97821_24095546	NC_021164.1	Ca_kabuli_chr05	24095546	AA	CC	1940336533
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SNP_P1_97825_24123473	NC_021164.1	Ca_kabuli_chr05	24123473	CC	TT	1940336538
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SNP_P1_97827_24124148	NC_021164.1	Ca_kabuli_chr05	24124148	CC	AA	1940336542
SNP_P1_97828_24124239	NC_021164.1	Ca_kabuli_chr05	24124239	AA	GG	1940336543
SNP_P1_97829_24124499	NC_021164.1	Ca_kabuli_chr05	24124499	AA	GG	1940336545
SNP_P1_97830_24124520	NC_021164.1	Ca_kabuli_chr05	24124520	AA	GG	1940336547
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SNP_P1_97832_24147951	NC_021164.1	Ca_kabuli_chr05	24147951	TT	GG	1940336550
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SNP_P1_97844_24235555	NC_021164.1	Ca_kabuli_chr05	24235555	CC	GG	1940336571
SNP_P1_97845_24235584	NC_021164.1	Ca_kabuli_chr05	24235584	GG	AA	1940336573
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SNP_P1_97852_24270798	NC_021164.1	Ca_kabuli_chr05	24270798	TT	GG	1940336583
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SNP_P1_97855_24270831	NC_021164.1	Ca_kabuli_chr05	24270831	TT	AA	1940336588
SNP_P1_97856_24270843	NC_021164.1	Ca_kabuli_chr05	24270843	GG	AA	1940336590
SNP_P1_97857_24270884	NC_021164.1	Ca_kabuli_chr05	24270884	TT	CC	1940336592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97860_24277168	NC_021164.1	Ca_kabuli_chr05	24277168	AA	GG	1940336597
SNP_P1_97861_24277172	NC_021164.1	Ca_kabuli_chr05	24277172	AA	GG	1940336598
SNP_P1_97862_24277219	NC_021164.1	Ca_kabuli_chr05	24277219	CC	TT	1940336600
SNP_P1_97863_24278471	NC_021164.1	Ca_kabuli_chr05	24278471	AA	GG	1940336602
SNP_P1_97864_24297764	NC_021164.1	Ca_kabuli_chr05	24297764	AA	TT	1940336604
SNP_P1_97865_24297790	NC_021164.1	Ca_kabuli_chr05	24297790	CC	TT	1940336605
SNP_P1_97866_24300486	NC_021164.1	Ca_kabuli_chr05	24300486	AA	CC	1940336607
SNP_P1_97867_24302391	NC_021164.1	Ca_kabuli_chr05	24302391	GG	AA	1940336609
SNP_P1_97868_24302427	NC_021164.1	Ca_kabuli_chr05	24302427	CC	AA	1940336610
SNP_P1_97869_24302479	NC_021164.1	Ca_kabuli_chr05	24302479	AA	TT	1940336612
SNP_P1_97870_24321268	NC_021164.1	Ca_kabuli_chr05	24321268	CC	TT	1940336614
SNP_P1_97871_24327693	NC_021164.1	Ca_kabuli_chr05	24327693	AA	CC	1940336616
SNP_P1_97872_24327708	NC_021164.1	Ca_kabuli_chr05	24327708	AA	GG	1940336617
SNP_P1_97873_24327903	NC_021164.1	Ca_kabuli_chr05	24327903	CC	TT	1940336619
SNP_P1_97874_24328150	NC_021164.1	Ca_kabuli_chr05	24328150	GG	TT	1940336621
SNP_P1_97875_24334434	NC_021164.1	Ca_kabuli_chr05	24334434	AA	GG	1940336622
SNP_P1_97876_24370132	NC_021164.1	Ca_kabuli_chr05	24370132	CC	GG	1940336624
SNP_P1_97878_24447137	NC_021164.1	Ca_kabuli_chr05	24447137	TT	AA	1940336626
SNP_P1_97879_24461206	NC_021164.1	Ca_kabuli_chr05	24461206	TT	CC	1940336628
SNP_P1_97880_24461225	NC_021164.1	Ca_kabuli_chr05	24461225	CC	GG	1940336629
SNP_P1_97881_24488052	NC_021164.1	Ca_kabuli_chr05	24488052	TT	CC	1940336631
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SNP_P1_97887_24509338	NC_021164.1	Ca_kabuli_chr05	24509338	TT	AA	1940336640
SNP_P1_97888_24509829	NC_021164.1	Ca_kabuli_chr05	24509829	AA	CC	1940336641
SNP_P1_97889_24509880	NC_021164.1	Ca_kabuli_chr05	24509880	AA	CC	1940336643
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SNP_P1_97891_24509944	NC_021164.1	Ca_kabuli_chr05	24509944	TT	CC	1940336647
SNP_P1_97892_24509945	NC_021164.1	Ca_kabuli_chr05	24509945	CC	TT	1940336648
SNP_P1_97893_24510266	NC_021164.1	Ca_kabuli_chr05	24510266	GG	TT	1940336650
SNP_P1_97894_24515760	NC_021164.1	Ca_kabuli_chr05	24515760	GG	AA	1940336652
SNP_P1_97896_24529273	NC_021164.1	Ca_kabuli_chr05	24529273	TT	CC	1940336653
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SNP_P1_97898_24532530	NC_021164.1	Ca_kabuli_chr05	24532530	CC	TT	1940336657
SNP_P1_97899_24532540	NC_021164.1	Ca_kabuli_chr05	24532540	AA	GG	1940336659
SNP_P1_97900_24532548	NC_021164.1	Ca_kabuli_chr05	24532548	TT	CC	1940336660
SNP_P1_97901_24532604	NC_021164.1	Ca_kabuli_chr05	24532604	GG	AA	1940336662
SNP_P1_97902_24532631	NC_021164.1	Ca_kabuli_chr05	24532631	AA	GG	1940336664

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97905_24532823	NC_021164.1	Ca_kabuli_chr05	24532823	GG	TT	1940336669
SNP_P1_97906_24532855	NC_021164.1	Ca_kabuli_chr05	24532855	TT	CC	1940336671
SNP_P1_97907_24532883	NC_021164.1	Ca_kabuli_chr05	24532883	GG	AA	1940336672
SNP_P1_97908_24532904	NC_021164.1	Ca_kabuli_chr05	24532904	CC	TT	1940336674
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SNP_P1_97910_24551744	NC_021164.1	Ca_kabuli_chr05	24551744	GG	AA	1940336678
SNP_P1_97911_24564989	NC_021164.1	Ca_kabuli_chr05	24564989	CC	TT	1940336679
SNP_P1_97912_24581358	NC_021164.1	Ca_kabuli_chr05	24581358	CC	TT	1940336681
SNP_P1_97915_24624062	NC_021164.1	Ca_kabuli_chr05	24624062	GG	AA	1940336683
SNP_P1_97917_24627101	NC_021164.1	Ca_kabuli_chr05	24627101	AA	TT	1940336684
SNP_P1_97918_24627230	NC_021164.1	Ca_kabuli_chr05	24627230	AA	GG	1940336686
SNP_P1_97919_24627465	NC_021164.1	Ca_kabuli_chr05	24627465	CC	TT	1940336688
SNP_P1_97920_24639135	NC_021164.1	Ca_kabuli_chr05	24639135	TT	GG	1940336690
SNP_P1_97921_24639254	NC_021164.1	Ca_kabuli_chr05	24639254	TT	CC	1940336691
SNP_P1_97923_24645989	NC_021164.1	Ca_kabuli_chr05	24645989	CC	TT	1940336693
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SNP_P1_97925_24683412	NC_021164.1	Ca_kabuli_chr05	24683412	TT	CC	1940336696
SNP_P1_97926_24688483	NC_021164.1	Ca_kabuli_chr05	24688483	CC	TT	1940336698
SNP_P1_97927_24712731	NC_021164.1	Ca_kabuli_chr05	24712731	AA	TT	1940336700
SNP_P1_97930_24743080	NC_021164.1	Ca_kabuli_chr05	24743080	TT	GG	1940336702
SNP_P1_97931_24755893	NC_021164.1	Ca_kabuli_chr05	24755893	GG	TT	1940336703
SNP_P1_97932_24756015	NC_021164.1	Ca_kabuli_chr05	24756015	GG	AA	1940336705
SNP_P1_97933_24756023	NC_021164.1	Ca_kabuli_chr05	24756023	GG	AA	1940336707
SNP_P1_97934_24756400	NC_021164.1	Ca_kabuli_chr05	24756400	AA	GG	1940336708
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SNP_P1_97936_24760058	NC_021164.1	Ca_kabuli_chr05	24760058	AA	GG	1940336712
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SNP_P1_97938_24760130	NC_021164.1	Ca_kabuli_chr05	24760130	AA	CC	1940336715
SNP_P1_97939_24761113	NC_021164.1	Ca_kabuli_chr05	24761113	GG	AA	1940336717
SNP_P1_97940_24761240	NC_021164.1	Ca_kabuli_chr05	24761240	TT	CC	1940336719
SNP_P1_97941_24761256	NC_021164.1	Ca_kabuli_chr05	24761256	TT	GG	1940336720
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SNP_P1_97943_24764245	NC_021164.1	Ca_kabuli_chr05	24764245	TT	GG	1940336724
SNP_P1_97944_24764639	NC_021164.1	Ca_kabuli_chr05	24764639	CC	GG	1940336726
SNP_P1_97945_24764659	NC_021164.1	Ca_kabuli_chr05	24764659	AA	TT	1940336727
SNP_P1_97946_24764897	NC_021164.1	Ca_kabuli_chr05	24764897	TT	CC	1940336729
SNP_P1_97947_24764941	NC_021164.1	Ca_kabuli_chr05	24764941	AA	TT	1940336731
SNP_P1_97948_24764942	NC_021164.1	Ca_kabuli_chr05	24764942	TT	CC	1940336732
SNP_P1_97949_24764979	NC_021164.1	Ca_kabuli_chr05	24764979	CC	TT	1940336734
SNP_P1_97950_24764996	NC_021164.1	Ca_kabuli_chr05	24764996	CC	AA	1940336736

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97953_24777893	NC_021164.1	Ca_kabuli_chr05	24777893	CC	TT	1940336741
SNP_P1_97954_24789202	NC_021164.1	Ca_kabuli_chr05	24789202	TT	CC	1940336743
SNP_P1_97955_24801666	NC_021164.1	Ca_kabuli_chr05	24801666	GG	AA	1940336744
SNP_P1_97956_24808148	NC_021164.1	Ca_kabuli_chr05	24808148	TT	CC	1940336746
SNP_P1_97957_24822328	NC_021164.1	Ca_kabuli_chr05	24822328	AA	TT	1940336748
SNP_P1_97958_24862023	NC_021164.1	Ca_kabuli_chr05	24862023	TT	AA	1940336750
SNP_P1_97959_24862085	NC_021164.1	Ca_kabuli_chr05	24862085	TT	CC	1940336751
SNP_P1_97960_24862734	NC_021164.1	Ca_kabuli_chr05	24862734	TT	AA	1940336753
SNP_P1_97961_24863079	NC_021164.1	Ca_kabuli_chr05	24863079	CC	TT	1940336755
SNP_P1_97962_24863175	NC_021164.1	Ca_kabuli_chr05	24863175	AA	GG	1940336757
SNP_P1_97963_24863434	NC_021164.1	Ca_kabuli_chr05	24863434	GG	AA	1940336758
SNP_P1_97964_24863994	NC_021164.1	Ca_kabuli_chr05	24863994	AA	CC	1940336760
SNP_P1_97966_24871804	NC_021164.1	Ca_kabuli_chr05	24871804	GG	AA	1940336762
SNP_P1_97967_24874985	NC_021164.1	Ca_kabuli_chr05	24874985	AA	GG	1940336763
SNP_P1_97968_24877214	NC_021164.1	Ca_kabuli_chr05	24877214	TT	GG	1940336765
SNP_P1_97971_24886527	NC_021164.1	Ca_kabuli_chr05	24886527	AA	CC	1940336767
SNP_P1_97972_24886530	NC_021164.1	Ca_kabuli_chr05	24886530	AA	TT	1940336769
SNP_P1_97973_24886533	NC_021164.1	Ca_kabuli_chr05	24886533	TT	AA	1940336770
SNP_P1_97975_24892589	NC_021164.1	Ca_kabuli_chr05	24892589	AA	GG	1940336772
SNP_P1_97976_24896282	NC_021164.1	Ca_kabuli_chr05	24896282	GG	TT	1940336774
SNP_P1_97977_24910390	NC_021164.1	Ca_kabuli_chr05	24910390	AA	GG	1940336775
SNP_P1_97978_24910412	NC_021164.1	Ca_kabuli_chr05	24910412	AA	GG	1940336777
SNP_P1_97979_24910480	NC_021164.1	Ca_kabuli_chr05	24910480	TT	CC	1940336779
SNP_P1_97980_24922404	NC_021164.1	Ca_kabuli_chr05	24922404	CC	AA	1940336781
SNP_P1_97981_24922415	NC_021164.1	Ca_kabuli_chr05	24922415	TT	AA	1940336782
SNP_P1_97982_24922419	NC_021164.1	Ca_kabuli_chr05	24922419	AA	TT	1940336784
SNP_P1_97983_24922426	NC_021164.1	Ca_kabuli_chr05	24922426	TT	CC	1940336786
SNP_P1_97984_24922442	NC_021164.1	Ca_kabuli_chr05	24922442	AA	TT	1940336787
SNP_P1_97985_24922463	NC_021164.1	Ca_kabuli_chr05	24922463	AA	GG	1940336789
SNP_P1_97986_24922969	NC_021164.1	Ca_kabuli_chr05	24922969	TT	GG	1940336791
SNP_P1_97987_24922987	NC_021164.1	Ca_kabuli_chr05	24922987	CC	AA	1940336793
SNP_P1_97988_24923142	NC_021164.1	Ca_kabuli_chr05	24923142	CC	TT	1940336794
SNP_P1_97989_24923333	NC_021164.1	Ca_kabuli_chr05	24923333	GG	AA	1940336796
SNP_P1_97990_24923377	NC_021164.1	Ca_kabuli_chr05	24923377	CC	TT	1940336798
SNP_P1_97991_24923424	NC_021164.1	Ca_kabuli_chr05	24923424	AA	GG	1940336800
SNP_P1_97992_24928850	NC_021164.1	Ca_kabuli_chr05	24928850	GG	AA	1940336801
SNP_P1_97994_24939324	NC_021164.1	Ca_kabuli_chr05	24939324	AA	TT	1940336803
SNP_P1_97995_24958697	NC_021164.1	Ca_kabuli_chr05	24958697	GG	TT	1940336805
SNP_P1_97996_24960456	NC_021164.1	Ca_kabuli_chr05	24960456	AA	GG	1940336806
SNP_P1_97997_24981772	NC_021164.1	Ca_kabuli_chr05	24981772	TT	AA	1940336808

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_97999_24982191	NC_021164.1	Ca_kabuli_chr05	24982191	TT	CC	1940336812
SNP_P1_98000_24982200	NC_021164.1	Ca_kabuli_chr05	24982200	AA	GG	1940336813
SNP_P1_98001_24982203	NC_021164.1	Ca_kabuli_chr05	24982203	TT	AA	1940336815
SNP_P1_98003_24983269	NC_021164.1	Ca_kabuli_chr05	24983269	AA	GG	1940336817
SNP_P1_98004_24983287	NC_021164.1	Ca_kabuli_chr05	24983287	TT	CC	1940336818
SNP_P1_98005_24983327	NC_021164.1	Ca_kabuli_chr05	24983327	AA	CC	1940336820
SNP_P1_98006_24983566	NC_021164.1	Ca_kabuli_chr05	24983566	TT	CC	1940336822
SNP_P1_98007_24983606	NC_021164.1	Ca_kabuli_chr05	24983606	TT	CC	1940336824
SNP_P1_98008_24994915	NC_021164.1	Ca_kabuli_chr05	24994915	AA	GG	1940336825
SNP_P1_98009_24994939	NC_021164.1	Ca_kabuli_chr05	24994939	AA	GG	1940336827
SNP_P1_98010_24994959	NC_021164.1	Ca_kabuli_chr05	24994959	TT	GG	1940336829
SNP_P1_98011_24994975	NC_021164.1	Ca_kabuli_chr05	24994975	TT	CC	1940336830
SNP_P1_98012_24994994	NC_021164.1	Ca_kabuli_chr05	24994994	AA	GG	1940336832
SNP_P1_98013_24995037	NC_021164.1	Ca_kabuli_chr05	24995037	CC	TT	1940336834
SNP_P1_98014_24998254	NC_021164.1	Ca_kabuli_chr05	24998254	GG	AA	1940336836
SNP_P1_98015_25002291	NC_021164.1	Ca_kabuli_chr05	25002291	GG	AA	1940336837
SNP_P1_98018_25055499	NC_021164.1	Ca_kabuli_chr05	25055499	CC	TT	1940336839
SNP_P1_98019_25070586	NC_021164.1	Ca_kabuli_chr05	25070586	TT	GG	1940336841
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SNP_P1_98022_25101550	NC_021164.1	Ca_kabuli_chr05	25101550	TT	CC	1940336844
SNP_P1_98023_25106662	NC_021164.1	Ca_kabuli_chr05	25106662	AA	GG	1940336846
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SNP_P1_98026_25116192	NC_021164.1	Ca_kabuli_chr05	25116192	AA	GG	1940336851
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SNP_P1_98028_25136766	NC_021164.1	Ca_kabuli_chr05	25136766	AA	TT	1940336855
SNP_P1_98032_25230854	NC_021164.1	Ca_kabuli_chr05	25230854	TT	AA	1940336856
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SNP_P1_98034_25232440	NC_021164.1	Ca_kabuli_chr05	25232440	TT	CC	1940336860
SNP_P1_98035_25232455	NC_021164.1	Ca_kabuli_chr05	25232455	GG	CC	1940336861
SNP_P1_98036_25232466	NC_021164.1	Ca_kabuli_chr05	25232466	AA	CC	1940336862
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SNP_P1_98039_25232520	NC_021164.1	Ca_kabuli_chr05	25232520	TT	CC	1940336866
SNP_P1_98040_25232530	NC_021164.1	Ca_kabuli_chr05	25232530	GG	AA	1940336867
SNP_P1_98041_25232556	NC_021164.1	Ca_kabuli_chr05	25232556	AA	TT	1940336869
SNP_P1_98042_25232565	NC_021164.1	Ca_kabuli_chr05	25232565	AA	CC	1940336871
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SNP_P1_98045_25232711	NC_021164.1	Ca_kabuli_chr05	25232711	AA	TT	1940336876
SNP_P1_98046_25234419	NC_021164.1	Ca_kabuli_chr05	25234419	TT	AA	1940336878
SNP_P1_98047_25234940	NC_021164.1	Ca_kabuli_chr05	25234940	GG	CC	1940336879

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98051_25242488	NC_021164.1	Ca_kabuli_chr05	25242488	TT	AA	1940336885
SNP_P1_98052_25243441	NC_021164.1	Ca_kabuli_chr05	25243441	GG	AA	1940336886
SNP_P1_98053_25244363	NC_021164.1	Ca_kabuli_chr05	25244363	AA	GG	1940336888
SNP_P1_98054_25246214	NC_021164.1	Ca_kabuli_chr05	25246214	TT	CC	1940336890
SNP_P1_98055_25246248	NC_021164.1	Ca_kabuli_chr05	25246248	AA	CC	1940336891
SNP_P1_98056_25246329	NC_021164.1	Ca_kabuli_chr05	25246329	AA	GG	1940336893
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SNP_P1_98058_25246622	NC_021164.1	Ca_kabuli_chr05	25246622	AA	TT	1940336897
SNP_P1_98059_25246655	NC_021164.1	Ca_kabuli_chr05	25246655	AA	GG	1940336898
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SNP_P1_98062_25250491	NC_021164.1	Ca_kabuli_chr05	25250491	TT	CC	1940336902
SNP_P1_98063_25250766	NC_021164.1	Ca_kabuli_chr05	25250766	GG	AA	1940336903
SNP_P1_98064_25263096	NC_021164.1	Ca_kabuli_chr05	25263096	GG	CC	1940336905
SNP_P1_98065_25287534	NC_021164.1	Ca_kabuli_chr05	25287534	GG	TT	1940336907
SNP_P1_98067_25291452	NC_021164.1	Ca_kabuli_chr05	25291452	GG	TT	1940336909
SNP_P1_98068_25291723	NC_021164.1	Ca_kabuli_chr05	25291723	CC	TT	1940336910
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SNP_P1_98070_25298888	NC_021164.1	Ca_kabuli_chr05	25298888	TT	AA	1940336914
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SNP_P1_98072_25298896	NC_021164.1	Ca_kabuli_chr05	25298896	TT	CC	1940336917
SNP_P1_98073_25298901	NC_021164.1	Ca_kabuli_chr05	25298901	CC	AA	1940336919
SNP_P1_98074_25298923	NC_021164.1	Ca_kabuli_chr05	25298923	CC	TT	1940336921
SNP_P1_98075_25299038	NC_021164.1	Ca_kabuli_chr05	25299038	GG	AA	1940336922
SNP_P1_98076_25299044	NC_021164.1	Ca_kabuli_chr05	25299044	CC	TT	1940336924
SNP_P1_98077_25299069	NC_021164.1	Ca_kabuli_chr05	25299069	CC	TT	1940336926
SNP_P1_98078_25301444	NC_021164.1	Ca_kabuli_chr05	25301444	TT	CC	1940336928
SNP_P1_98079_25301448	NC_021164.1	Ca_kabuli_chr05	25301448	CC	TT	1940336929
SNP_P1_98080_25301733	NC_021164.1	Ca_kabuli_chr05	25301733	TT	CC	1940336931
SNP_P1_98081_25303579	NC_021164.1	Ca_kabuli_chr05	25303579	AA	GG	1940336933
SNP_P1_98082_25303928	NC_021164.1	Ca_kabuli_chr05	25303928	AA	CC	1940336934
SNP_P1_98083_25303954	NC_021164.1	Ca_kabuli_chr05	25303954	AA	CC	1940336936
SNP_P1_98084_25304307	NC_021164.1	Ca_kabuli_chr05	25304307	TT	CC	1940336938
SNP_P1_98085_25304311	NC_021164.1	Ca_kabuli_chr05	25304311	GG	TT	1940336940
SNP_P1_98086_25304447	NC_021164.1	Ca_kabuli_chr05	25304447	TT	CC	1940336941
SNP_P1_98087_25308653	NC_021164.1	Ca_kabuli_chr05	25308653	CC	TT	1940336943
SNP_P1_98089_25354605	NC_021164.1	Ca_kabuli_chr05	25354605	CC	AA	1940336945
SNP_P1_98090_25362947	NC_021164.1	Ca_kabuli_chr05	25362947	AA	GG	1940336946
SNP_P1_98091_25362949	NC_021164.1	Ca_kabuli_chr05	25362949	TT	GG	1940336948
SNP_P1_98092_25379289	NC_021164.1	Ca_kabuli_chr05	25379289	TT	AA	1940336950
SNP_P1_98093_25380877	NC_021164.1	Ca_kabuli_chr05	25380877	TT	GG	1940336952

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98095_25399115	NC_021164.1	Ca_kabuli_chr05	25399115	TT	GG	1940336955
SNP_P1_98096_25412609	NC_021164.1	Ca_kabuli_chr05	25412609	TT	CC	1940336957
SNP_P1_98097_25422398	NC_021164.1	Ca_kabuli_chr05	25422398	AA	CC	1940336959
SNP_P1_98098_25424017	NC_021164.1	Ca_kabuli_chr05	25424017	AA	CC	1940336960
SNP_P1_98099_25424032	NC_021164.1	Ca_kabuli_chr05	25424032	CC	TT	1940336962
SNP_P1_98100_25424056	NC_021164.1	Ca_kabuli_chr05	25424056	TT	CC	1940336964
SNP_P1_98101_25426290	NC_021164.1	Ca_kabuli_chr05	25426290	TT	AA	1940336965
SNP_P1_98102_25440599	NC_021164.1	Ca_kabuli_chr05	25440599	CC	TT	1940336967
SNP_P1_98103_25444554	NC_021164.1	Ca_kabuli_chr05	25444554	GG	AA	1940336969
SNP_P1_98104_25461866	NC_021164.1	Ca_kabuli_chr05	25461866	TT	CC	1940336971
SNP_P1_98105_25464920	NC_021164.1	Ca_kabuli_chr05	25464920	AA	GG	1940336972
SNP_P1_98106_25490739	NC_021164.1	Ca_kabuli_chr05	25490739	TT	CC	1940336974
SNP_P1_98107_25494572	NC_021164.1	Ca_kabuli_chr05	25494572	CC	TT	1940336976
SNP_P1_98108_25522140	NC_021164.1	Ca_kabuli_chr05	25522140	CC	GG	1940336977
SNP_P1_98109_25524301	NC_021164.1	Ca_kabuli_chr05	25524301	GG	AA	1940336979
SNP_P1_98110_25524438	NC_021164.1	Ca_kabuli_chr05	25524438	CC	AA	1940336981
SNP_P1_98111_25524459	NC_021164.1	Ca_kabuli_chr05	25524459	AA	CC	1940336983
SNP_P1_98112_25524497	NC_021164.1	Ca_kabuli_chr05	25524497	CC	TT	1940336984
SNP_P1_98113_25524515	NC_021164.1	Ca_kabuli_chr05	25524515	GG	AA	1940336986
SNP_P1_98115_25534738	NC_021164.1	Ca_kabuli_chr05	25534738	AA	GG	1940336988
SNP_P1_98116_25534789	NC_021164.1	Ca_kabuli_chr05	25534789	GG	AA	1940336990
SNP_P1_98118_25550022	NC_021164.1	Ca_kabuli_chr05	25550022	GG	CC	1940336991
SNP_P1_98119_25550867	NC_021164.1	Ca_kabuli_chr05	25550867	TT	GG	1940336993
SNP_P1_98120_25550883	NC_021164.1	Ca_kabuli_chr05	25550883	CC	TT	1940336995
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SNP_P1_98124_25576259	NC_021164.1	Ca_kabuli_chr05	25576259	AA	TT	1940337002
SNP_P1_98127_25602692	NC_021164.1	Ca_kabuli_chr05	25602692	AA	TT	1940337003
SNP_P1_98128_25612031	NC_021164.1	Ca_kabuli_chr05	25612031	GG	AA	1940337005
SNP_P1_98129_25614796	NC_021164.1	Ca_kabuli_chr05	25614796	GG	AA	1940337007
SNP_P1_98130_25631714	NC_021164.1	Ca_kabuli_chr05	25631714	AA	GG	1940337008
SNP_P1_98131_25631730	NC_021164.1	Ca_kabuli_chr05	25631730	TT	CC	1940337010
SNP_P1_98132_25640094	NC_021164.1	Ca_kabuli_chr05	25640094	AA	GG	1940337012
SNP_P1_98134_25662141	NC_021164.1	Ca_kabuli_chr05	25662141	TT	CC	1940337014
SNP_P1_98135_25678100	NC_021164.1	Ca_kabuli_chr05	25678100	CC	TT	1940337015
SNP_P1_98136_25690627	NC_021164.1	Ca_kabuli_chr05	25690627	TT	AA	1940337017
SNP_P1_98137_25690880	NC_021164.1	Ca_kabuli_chr05	25690880	AA	GG	1940337019
SNP_P1_98138_25690882	NC_021164.1	Ca_kabuli_chr05	25690882	TT	GG	1940337020
SNP_P1_98139_25719053	NC_021164.1	Ca_kabuli_chr05	25719053	AA	GG	1940337022
SNP_P1_98143_25733650	NC_021164.1	Ca_kabuli_chr05	25733650	AA	GG	1940337024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98145_25733686	NC_021164.1	Ca_kabuli_chr05	25733686	AA	CC	1940337027
SNP_P1_98146_25734035	NC_021164.1	Ca_kabuli_chr05	25734035	TT	CC	1940337029
SNP_P1_98147_25746918	NC_021164.1	Ca_kabuli_chr05	25746918	GG	AA	1940337031
SNP_P1_98148_25756745	NC_021164.1	Ca_kabuli_chr05	25756745	AA	GG	1940337033
SNP_P1_98149_25763128	NC_021164.1	Ca_kabuli_chr05	25763128	AA	TT	1940337034
SNP_P1_98150_25771634	NC_021164.1	Ca_kabuli_chr05	25771634	GG	CC	1940337036
SNP_P1_98151_25771636	NC_021164.1	Ca_kabuli_chr05	25771636	AA	TT	1940337038
SNP_P1_98152_25779441	NC_021164.1	Ca_kabuli_chr05	25779441	AA	GG	1940337039
SNP_P1_98153_25779442	NC_021164.1	Ca_kabuli_chr05	25779442	GG	TT	1940337041
SNP_P1_98155_25788286	NC_021164.1	Ca_kabuli_chr05	25788286	TT	CC	1940337043
SNP_P1_98156_25791477	NC_021164.1	Ca_kabuli_chr05	25791477	AA	GG	1940337045
SNP_P1_98157_25801715	NC_021164.1	Ca_kabuli_chr05	25801715	TT	CC	1940337046
SNP_P1_98158_25802216	NC_021164.1	Ca_kabuli_chr05	25802216	AA	GG	1940337048
SNP_P1_98160_25802262	NC_021164.1	Ca_kabuli_chr05	25802262	GG	AA	1940337050
SNP_P1_98161_25803726	NC_021164.1	Ca_kabuli_chr05	25803726	CC	GG	1940337051
SNP_P1_98162_25803731	NC_021164.1	Ca_kabuli_chr05	25803731	CC	TT	1940337053
SNP_P1_98164_25803883	NC_021164.1	Ca_kabuli_chr05	25803883	TT	GG	1940337055
SNP_P1_98165_25803912	NC_021164.1	Ca_kabuli_chr05	25803912	TT	CC	1940337057
SNP_P1_98167_25804029	NC_021164.1	Ca_kabuli_chr05	25804029	GG	AA	1940337058
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SNP_P1_98169_25804149	NC_021164.1	Ca_kabuli_chr05	25804149	GG	AA	1940337062
SNP_P1_98170_25804151	NC_021164.1	Ca_kabuli_chr05	25804151	AA	GG	1940337063
SNP_P1_98171_25804156	NC_021164.1	Ca_kabuli_chr05	25804156	AA	CC	1940337065
SNP_P1_98172_25804159	NC_021164.1	Ca_kabuli_chr05	25804159	GG	CC	1940337067
SNP_P1_98173_25804165	NC_021164.1	Ca_kabuli_chr05	25804165	CC	GG	1940337069
SNP_P1_98174_25804190	NC_021164.1	Ca_kabuli_chr05	25804190	CC	TT	1940337070
SNP_P1_98175_25804195	NC_021164.1	Ca_kabuli_chr05	25804195	TT	AA	1940337072
SNP_P1_98176_25804254	NC_021164.1	Ca_kabuli_chr05	25804254	CC	TT	1940337074
SNP_P1_98177_25804256	NC_021164.1	Ca_kabuli_chr05	25804256	AA	TT	1940337076
SNP_P1_98178_25804289	NC_021164.1	Ca_kabuli_chr05	25804289	TT	CC	1940337077
SNP_P1_98179_25804296	NC_021164.1	Ca_kabuli_chr05	25804296	TT	AA	1940337079
SNP_P1_98180_25805196	NC_021164.1	Ca_kabuli_chr05	25805196	GG	TT	1940337081
SNP_P1_98181_25805200	NC_021164.1	Ca_kabuli_chr05	25805200	TT	GG	1940337082
SNP_P1_98182_25809996	NC_021164.1	Ca_kabuli_chr05	25809996	GG	AA	1940337084
SNP_P1_98183_25810370	NC_021164.1	Ca_kabuli_chr05	25810370	GG	AA	1940337086
SNP_P1_98184_25836446	NC_021164.1	Ca_kabuli_chr05	25836446	CC	AA	1940337088
SNP_P1_98186_25836538	NC_021164.1	Ca_kabuli_chr05	25836538	TT	AA	1940337089
SNP_P1_98187_25836584	NC_021164.1	Ca_kabuli_chr05	25836584	CC	TT	1940337091
SNP_P1_98188_25836586	NC_021164.1	Ca_kabuli_chr05	25836586	CC	TT	1940337093
SNP_P1_98189_25836635	NC_021164.1	Ca_kabuli_chr05	25836635	CC	TT	1940337094
SNP_P1_98190_25836643	NC_021164.1	Ca_kabuli_chr05	25836643	TT	AA	1940337096

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98192_25836690	NC_021164.1	Ca_kabuli_chr05	25836690	AA	CC	1940337100
SNP_P1_98193_25836706	NC_021164.1	Ca_kabuli_chr05	25836706	TT	CC	1940337101
SNP_P1_98194_25840234	NC_021164.1	Ca_kabuli_chr05	25840234	TT	CC	1940337103
SNP_P1_98195_25840256	NC_021164.1	Ca_kabuli_chr05	25840256	AA	GG	1940337105
SNP_P1_98196_25847787	NC_021164.1	Ca_kabuli_chr05	25847787	GG	TT	1940337106
SNP_P1_98197_25847793	NC_021164.1	Ca_kabuli_chr05	25847793	TT	CC	1940337108
SNP_P1_98198_25847880	NC_021164.1	Ca_kabuli_chr05	25847880	AA	CC	1940337110
SNP_P1_98199_25848063	NC_021164.1	Ca_kabuli_chr05	25848063	TT	CC	1940337112
SNP_P1_98200_25848101	NC_021164.1	Ca_kabuli_chr05	25848101	TT	CC	1940337113
SNP_P1_98201_25848459	NC_021164.1	Ca_kabuli_chr05	25848459	TT	GG	1940337115
SNP_P1_98203_25861494	NC_021164.1	Ca_kabuli_chr05	25861494	TT	CC	1940337117
SNP_P1_98204_25861512	NC_021164.1	Ca_kabuli_chr05	25861512	TT	AA	1940337119
SNP_P1_98205_25861617	NC_021164.1	Ca_kabuli_chr05	25861617	TT	CC	1940337120
SNP_P1_98206_25861960	NC_021164.1	Ca_kabuli_chr05	25861960	GG	AA	1940337122
SNP_P1_98207_25861967	NC_021164.1	Ca_kabuli_chr05	25861967	AA	TT	1940337124
SNP_P1_98208_25863687	NC_021164.1	Ca_kabuli_chr05	25863687	CC	TT	1940337125
SNP_P1_98209_25878933	NC_021164.1	Ca_kabuli_chr05	25878933	GG	AA	1940337127
SNP_P1_98210_25892194	NC_021164.1	Ca_kabuli_chr05	25892194	TT	CC	1940337129
SNP_P1_98211_25895475	NC_021164.1	Ca_kabuli_chr05	25895475	CC	GG	1940337131
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SNP_P1_98213_25902942	NC_021164.1	Ca_kabuli_chr05	25902942	TT	GG	1940337134
SNP_P1_98217_25946988	NC_021164.1	Ca_kabuli_chr05	25946988	AA	TT	1940337136
SNP_P1_98218_25948263	NC_021164.1	Ca_kabuli_chr05	25948263	TT	GG	1940337137
SNP_P1_98219_25953656	NC_021164.1	Ca_kabuli_chr05	25953656	GG	AA	1940337139
SNP_P1_98220_25954280	NC_021164.1	Ca_kabuli_chr05	25954280	GG	AA	1940337141
SNP_P1_98221_25962606	NC_021164.1	Ca_kabuli_chr05	25962606	AA	GG	1940337143
SNP_P1_98222_25967565	NC_021164.1	Ca_kabuli_chr05	25967565	CC	TT	1940337144
SNP_P1_98224_26046181	NC_021164.1	Ca_kabuli_chr05	26046181	GG	CC	1940337146
SNP_P1_98225_26077341	NC_021164.1	Ca_kabuli_chr05	26077341	CC	TT	1940337148
SNP_P1_98226_26077393	NC_021164.1	Ca_kabuli_chr05	26077393	AA	GG	1940337149
SNP_P1_98227_26077524	NC_021164.1	Ca_kabuli_chr05	26077524	CC	AA	1940337151
SNP_P1_98228_26077754	NC_021164.1	Ca_kabuli_chr05	26077754	GG	TT	1940337153
SNP_P1_98229_26077808	NC_021164.1	Ca_kabuli_chr05	26077808	CC	TT	1940337155
SNP_P1_98230_26077864	NC_021164.1	Ca_kabuli_chr05	26077864	TT	GG	1940337156
SNP_P1_98231_26077896	NC_021164.1	Ca_kabuli_chr05	26077896	AA	CC	1940337158
SNP_P1_98232_26083857	NC_021164.1	Ca_kabuli_chr05	26083857	GG	AA	1940337160
SNP_P1_98233_26107247	NC_021164.1	Ca_kabuli_chr05	26107247	AA	CC	1940337162
SNP_P1_98235_26141735	NC_021164.1	Ca_kabuli_chr05	26141735	TT	CC	1940337163
SNP_P1_98238_26151521	NC_021164.1	Ca_kabuli_chr05	26151521	CC	TT	1940337165
SNP_P1_98239_26156981	NC_021164.1	Ca_kabuli_chr05	26156981	AA	TT	1940337167
SNP_P1_98242_26160149	NC_021164.1	Ca_kabuli_chr05	26160149	AA	GG	1940337168

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98245_26219974	NC_021164.1	Ca_kabuli_chr05	26219974	AA	GG	1940337174
SNP_P1_98247_26240544	NC_021164.1	Ca_kabuli_chr05	26240544	TT	GG	1940337175
SNP_P1_98248_26240612	NC_021164.1	Ca_kabuli_chr05	26240612	GG	TT	1940337177
SNP_P1_98249_26263230	NC_021164.1	Ca_kabuli_chr05	26263230	AA	GG	1940337179
SNP_P1_98250_26263298	NC_021164.1	Ca_kabuli_chr05	26263298	TT	CC	1940337180
SNP_P1_98251_26263593	NC_021164.1	Ca_kabuli_chr05	26263593	AA	GG	1940337182
SNP_P1_98252_26263620	NC_021164.1	Ca_kabuli_chr05	26263620	AA	GG	1940337184
SNP_P1_98253_26280188	NC_021164.1	Ca_kabuli_chr05	26280188	GG	AA	1940337186
SNP_P1_98254_26285031	NC_021164.1	Ca_kabuli_chr05	26285031	AA	GG	1940337187
SNP_P1_98255_26285349	NC_021164.1	Ca_kabuli_chr05	26285349	AA	GG	1940337189
SNP_P1_98256_26285352	NC_021164.1	Ca_kabuli_chr05	26285352	GG	AA	1940337191
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SNP_P1_98260_26285370	NC_021164.1	Ca_kabuli_chr05	26285370	TT	CC	1940337198
SNP_P1_98261_26285400	NC_021164.1	Ca_kabuli_chr05	26285400	TT	AA	1940337199
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SNP_P1_98263_26285560	NC_021164.1	Ca_kabuli_chr05	26285560	AA	CC	1940337203
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SNP_P1_98265_26327343	NC_021164.1	Ca_kabuli_chr05	26327343	TT	CC	1940337206
SNP_P1_98266_26327344	NC_021164.1	Ca_kabuli_chr05	26327344	TT	CC	1940337208
SNP_P1_98267_26330011	NC_021164.1	Ca_kabuli_chr05	26330011	TT	AA	1940337210
SNP_P1_98268_26333677	NC_021164.1	Ca_kabuli_chr05	26333677	AA	CC	1940337211
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SNP_P1_98272_26379858	NC_021164.1	Ca_kabuli_chr05	26379858	TT	AA	1940337215
SNP_P1_98273_26385262	NC_021164.1	Ca_kabuli_chr05	26385262	TT	CC	1940337217
SNP_P1_98274_26391147	NC_021164.1	Ca_kabuli_chr05	26391147	AA	GG	1940337218
SNP_P1_98275_26416040	NC_021164.1	Ca_kabuli_chr05	26416040	AA	GG	1940337220
SNP_P1_98276_26416095	NC_021164.1	Ca_kabuli_chr05	26416095	AA	GG	1940337222
SNP_P1_98277_26421974	NC_021164.1	Ca_kabuli_chr05	26421974	AA	TT	1940337223
SNP_P1_98278_26424539	NC_021164.1	Ca_kabuli_chr05	26424539	CC	AA	1940337225
SNP_P1_98279_26424859	NC_021164.1	Ca_kabuli_chr05	26424859	AA	GG	1940337227
SNP_P1_98280_26435982	NC_021164.1	Ca_kabuli_chr05	26435982	GG	AA	1940337229
SNP_P1_98281_26449326	NC_021164.1	Ca_kabuli_chr05	26449326	CC	TT	1940337230
SNP_P1_98282_26449343	NC_021164.1	Ca_kabuli_chr05	26449343	CC	TT	1940337232
SNP_P1_98283_26451440	NC_021164.1	Ca_kabuli_chr05	26451440	CC	GG	1940337234
SNP_P1_98284_26453055	NC_021164.1	Ca_kabuli_chr05	26453055	CC	TT	1940337236
SNP_P1_98285_26454172	NC_021164.1	Ca_kabuli_chr05	26454172	GG	AA	1940337237
SNP_P1_98286_26454469	NC_021164.1	Ca_kabuli_chr05	26454469	AA	TT	1940337239
SNP_P1_98287_26454475	NC_021164.1	Ca_kabuli_chr05	26454475	TT	GG	1940337241

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98289_26454499	NC_021164.1	Ca_kabuli_chr05	26454499	AA	GG	1940337244
SNP_P1_98290_26456673	NC_021164.1	Ca_kabuli_chr05	26456673	AA	GG	1940337246
SNP_P1_98291_26457118	NC_021164.1	Ca_kabuli_chr05	26457118	AA	GG	1940337248
SNP_P1_98292_26457121	NC_021164.1	Ca_kabuli_chr05	26457121	TT	CC	1940337249
SNP_P1_98293_26457135	NC_021164.1	Ca_kabuli_chr05	26457135	TT	GG	1940337251
SNP_P1_98295_26457176	NC_021164.1	Ca_kabuli_chr05	26457176	AA	CC	1940337253
SNP_P1_98296_26457181	NC_021164.1	Ca_kabuli_chr05	26457181	TT	CC	1940337254
SNP_P1_98297_26457198	NC_021164.1	Ca_kabuli_chr05	26457198	TT	CC	1940337256
SNP_P1_98298_26457219	NC_021164.1	Ca_kabuli_chr05	26457219	AA	GG	1940337258
SNP_P1_98299_26457227	NC_021164.1	Ca_kabuli_chr05	26457227	GG	AA	1940337260
SNP_P1_98300_26457231	NC_021164.1	Ca_kabuli_chr05	26457231	GG	AA	1940337261
SNP_P1_98302_26461676	NC_021164.1	Ca_kabuli_chr05	26461676	CC	TT	1940337263
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SNP_P1_98304_26514204	NC_021164.1	Ca_kabuli_chr05	26514204	CC	TT	1940337267
SNP_P1_98305_26522972	NC_021164.1	Ca_kabuli_chr05	26522972	AA	GG	1940337268
SNP_P1_98306_26522992	NC_021164.1	Ca_kabuli_chr05	26522992	TT	CC	1940337270
SNP_P1_98307_26523381	NC_021164.1	Ca_kabuli_chr05	26523381	AA	GG	1940337272
SNP_P1_98308_26523392	NC_021164.1	Ca_kabuli_chr05	26523392	AA	GG	1940337273
SNP_P1_98309_26523419	NC_021164.1	Ca_kabuli_chr05	26523419	TT	CC	1940337275
SNP_P1_98310_26541490	NC_021164.1	Ca_kabuli_chr05	26541490	GG	AA	1940337277
SNP_P1_98312_26587957	NC_021164.1	Ca_kabuli_chr05	26587957	CC	TT	1940337279
SNP_P1_98313_26605966	NC_021164.1	Ca_kabuli_chr05	26605966	AA	GG	1940337280
SNP_P1_98314_26608601	NC_021164.1	Ca_kabuli_chr05	26608601	AA	GG	1940337282
SNP_P1_98315_26608612	NC_021164.1	Ca_kabuli_chr05	26608612	AA	CC	1940337284
SNP_P1_98316_26614787	NC_021164.1	Ca_kabuli_chr05	26614787	AA	GG	1940337285
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SNP_P1_98318_26664000	NC_021164.1	Ca_kabuli_chr05	26664000	CC	GG	1940337289
SNP_P1_98319_26665325	NC_021164.1	Ca_kabuli_chr05	26665325	TT	AA	1940337291
SNP_P1_98320_26671556	NC_021164.1	Ca_kabuli_chr05	26671556	TT	CC	1940337292
SNP_P1_98321_26706705	NC_021164.1	Ca_kabuli_chr05	26706705	AA	GG	1940337294
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SNP_P1_98323_26743345	NC_021164.1	Ca_kabuli_chr05	26743345	AA	CC	1940337298
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SNP_P1_98325_26798753	NC_021164.1	Ca_kabuli_chr05	26798753	CC	TT	1940337301
SNP_P1_98327_26821882	NC_021164.1	Ca_kabuli_chr05	26821882	CC	TT	1940337303
SNP_P1_98331_26889308	NC_021164.1	Ca_kabuli_chr05	26889308	CC	TT	1940337304
SNP_P1_98332_26889327	NC_021164.1	Ca_kabuli_chr05	26889327	TT	AA	1940337306
SNP_P1_98333_26889404	NC_021164.1	Ca_kabuli_chr05	26889404	CC	TT	1940337308
SNP_P1_98334_26889407	NC_021164.1	Ca_kabuli_chr05	26889407	TT	GG	1940337310
SNP_P1_98337_26889538	NC_021164.1	Ca_kabuli_chr05	26889538	GG	AA	1940337311
SNP_P1_98338_26889539	NC_021164.1	Ca_kabuli_chr05	26889539	TT	CC	1940337313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98340_26889557	NC_021164.1	Ca_kabuli_chr05	26889557	TT	CC	1940337317
SNP_P1_98342_26900777	NC_021164.1	Ca_kabuli_chr05	26900777	AA	GG	1940337318
SNP_P1_98345_26938165	NC_021164.1	Ca_kabuli_chr05	26938165	AA	CC	1940337320
SNP_P1_98346_26938300	NC_021164.1	Ca_kabuli_chr05	26938300	TT	GG	1940337322
SNP_P1_98347_26975367	NC_021164.1	Ca_kabuli_chr05	26975367	GG	AA	1940337323
SNP_P1_98348_26987511	NC_021164.1	Ca_kabuli_chr05	26987511	TT	CC	1940337325
SNP_P1_98349_26987528	NC_021164.1	Ca_kabuli_chr05	26987528	AA	CC	1940337327
SNP_P1_98350_26987645	NC_021164.1	Ca_kabuli_chr05	26987645	TT	AA	1940337329
SNP_P1_98351_26987679	NC_021164.1	Ca_kabuli_chr05	26987679	AA	GG	1940337330
SNP_P1_98352_26987707	NC_021164.1	Ca_kabuli_chr05	26987707	TT	CC	1940337332
SNP_P1_98353_26987788	NC_021164.1	Ca_kabuli_chr05	26987788	AA	GG	1940337334
SNP_P1_98354_26988136	NC_021164.1	Ca_kabuli_chr05	26988136	GG	TT	1940337336
SNP_P1_98355_26988162	NC_021164.1	Ca_kabuli_chr05	26988162	TT	CC	1940337337
SNP_P1_98356_26988206	NC_021164.1	Ca_kabuli_chr05	26988206	CC	TT	1940337339
SNP_P1_98357_26988211	NC_021164.1	Ca_kabuli_chr05	26988211	CC	TT	1940337341
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SNP_P1_98359_26988367	NC_021164.1	Ca_kabuli_chr05	26988367	TT	CC	1940337344
SNP_P1_98360_26988417	NC_021164.1	Ca_kabuli_chr05	26988417	TT	CC	1940337346
SNP_P1_98361_26988445	NC_021164.1	Ca_kabuli_chr05	26988445	TT	CC	1940337348
SNP_P1_98362_26988967	NC_021164.1	Ca_kabuli_chr05	26988967	AA	GG	1940337349
SNP_P1_98363_26989013	NC_021164.1	Ca_kabuli_chr05	26989013	TT	CC	1940337351
SNP_P1_98364_26989019	NC_021164.1	Ca_kabuli_chr05	26989019	AA	CC	1940337353
SNP_P1_98365_26989022	NC_021164.1	Ca_kabuli_chr05	26989022	CC	TT	1940337354
SNP_P1_98366_26989086	NC_021164.1	Ca_kabuli_chr05	26989086	CC	GG	1940337356
SNP_P1_98367_26989090	NC_021164.1	Ca_kabuli_chr05	26989090	GG	AA	1940337358
SNP_P1_98368_26989104	NC_021164.1	Ca_kabuli_chr05	26989104	AA	TT	1940337360
SNP_P1_98369_26989121	NC_021164.1	Ca_kabuli_chr05	26989121	CC	TT	1940337361
SNP_P1_98371_26989181	NC_021164.1	Ca_kabuli_chr05	26989181	TT	CC	1940337363
SNP_P1_98372_26989268	NC_021164.1	Ca_kabuli_chr05	26989268	TT	AA	1940337365
SNP_P1_98373_26989282	NC_021164.1	Ca_kabuli_chr05	26989282	AA	CC	1940337367
SNP_P1_98374_26989455	NC_021164.1	Ca_kabuli_chr05	26989455	TT	CC	1940337368
SNP_P1_98375_26989457	NC_021164.1	Ca_kabuli_chr05	26989457	GG	AA	1940337370
SNP_P1_98377_26991431	NC_021164.1	Ca_kabuli_chr05	26991431	AA	GG	1940337372
SNP_P1_98378_26994520	NC_021164.1	Ca_kabuli_chr05	26994520	AA	GG	1940337374
SNP_P1_98379_26994524	NC_021164.1	Ca_kabuli_chr05	26994524	AA	TT	1940337375
SNP_P1_98380_26994526	NC_021164.1	Ca_kabuli_chr05	26994526	TT	AA	1940337377
SNP_P1_98381_26994527	NC_021164.1	Ca_kabuli_chr05	26994527	TT	AA	1940337379
SNP_P1_98382_26994528	NC_021164.1	Ca_kabuli_chr05	26994528	CC	GG	1940337380
SNP_P1_98383_26994529	NC_021164.1	Ca_kabuli_chr05	26994529	TT	GG	1940337382
SNP_P1_98384_26994530	NC_021164.1	Ca_kabuli_chr05	26994530	GG	TT	1940337384
SNP_P1_98385_26994560	NC_021164.1	Ca_kabuli_chr05	26994560	CC	TT	1940337386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98388_26994930	NC_021164.1	Ca_kabuli_chr05	26994930	TT	CC	1940337391
SNP_P1_98389_26994958	NC_021164.1	Ca_kabuli_chr05	26994958	TT	CC	1940337392
SNP_P1_98390_26994986	NC_021164.1	Ca_kabuli_chr05	26994986	TT	CC	1940337394
SNP_P1_98391_26995000	NC_021164.1	Ca_kabuli_chr05	26995000	AA	CC	1940337396
SNP_P1_98392_26995062	NC_021164.1	Ca_kabuli_chr05	26995062	AA	GG	1940337398
SNP_P1_98393_26995118	NC_021164.1	Ca_kabuli_chr05	26995118	GG	AA	1940337399
SNP_P1_98394_26995132	NC_021164.1	Ca_kabuli_chr05	26995132	AA	TT	1940337401
SNP_P1_98396_26996013	NC_021164.1	Ca_kabuli_chr05	26996013	TT	CC	1940337403
SNP_P1_98397_26996045	NC_021164.1	Ca_kabuli_chr05	26996045	CC	AA	1940337405
SNP_P1_98398_26996074	NC_021164.1	Ca_kabuli_chr05	26996074	TT	CC	1940337406
SNP_P1_98399_26996096	NC_021164.1	Ca_kabuli_chr05	26996096	AA	GG	1940337408
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SNP_P1_98402_26996106	NC_021164.1	Ca_kabuli_chr05	26996106	AA	GG	1940337413
SNP_P1_98403_26996197	NC_021164.1	Ca_kabuli_chr05	26996197	AA	GG	1940337415
SNP_P1_98404_26996207	NC_021164.1	Ca_kabuli_chr05	26996207	TT	CC	1940337417
SNP_P1_98405_26996218	NC_021164.1	Ca_kabuli_chr05	26996218	TT	GG	1940337418
SNP_P1_98406_26996236	NC_021164.1	Ca_kabuli_chr05	26996236	AA	GG	1940337420
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SNP_P1_98410_26996293	NC_021164.1	Ca_kabuli_chr05	26996293	TT	CC	1940337427
SNP_P1_98411_26996302	NC_021164.1	Ca_kabuli_chr05	26996302	TT	GG	1940337429
SNP_P1_98412_26996347	NC_021164.1	Ca_kabuli_chr05	26996347	AA	GG	1940337430
SNP_P1_98413_26996352	NC_021164.1	Ca_kabuli_chr05	26996352	TT	CC	1940337432
SNP_P1_98414_26996382	NC_021164.1	Ca_kabuli_chr05	26996382	AA	GG	1940337434
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SNP_P1_98417_26996436	NC_021164.1	Ca_kabuli_chr05	26996436	AA	GG	1940337439
SNP_P1_98418_26996475	NC_021164.1	Ca_kabuli_chr05	26996475	AA	GG	1940337441
SNP_P1_98419_26996485	NC_021164.1	Ca_kabuli_chr05	26996485	AA	GG	1940337443
SNP_P1_98420_26996515	NC_021164.1	Ca_kabuli_chr05	26996515	TT	CC	1940337444
SNP_P1_98421_26996536	NC_021164.1	Ca_kabuli_chr05	26996536	TT	GG	1940337446
SNP_P1_98422_26996555	NC_021164.1	Ca_kabuli_chr05	26996555	TT	CC	1940337448
SNP_P1_98423_26996764	NC_021164.1	Ca_kabuli_chr05	26996764	AA	GG	1940337449
SNP_P1_98424_26996793	NC_021164.1	Ca_kabuli_chr05	26996793	AA	GG	1940337451
SNP_P1_98426_26996819	NC_021164.1	Ca_kabuli_chr05	26996819	CC	TT	1940337453
SNP_P1_98427_26996903	NC_021164.1	Ca_kabuli_chr05	26996903	GG	AA	1940337455
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SNP_P1_98429_26996927	NC_021164.1	Ca_kabuli_chr05	26996927	AA	GG	1940337458

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98432_26997209	NC_021164.1	Ca_kabuli_chr05	26997209	TT	CC	1940337463
SNP_P1_98433_26997245	NC_021164.1	Ca_kabuli_chr05	26997245	TT	CC	1940337465
SNP_P1_98434_26997263	NC_021164.1	Ca_kabuli_chr05	26997263	AA	CC	1940337467
SNP_P1_98435_26997489	NC_021164.1	Ca_kabuli_chr05	26997489	AA	GG	1940337468
SNP_P1_98436_26997512	NC_021164.1	Ca_kabuli_chr05	26997512	TT	CC	1940337470
SNP_P1_98437_26997632	NC_021164.1	Ca_kabuli_chr05	26997632	TT	GG	1940337472
SNP_P1_98438_26997647	NC_021164.1	Ca_kabuli_chr05	26997647	TT	CC	1940337474
SNP_P1_98439_26997826	NC_021164.1	Ca_kabuli_chr05	26997826	TT	CC	1940337475
SNP_P1_98440_26997832	NC_021164.1	Ca_kabuli_chr05	26997832	TT	CC	1940337477
SNP_P1_98441_26997868	NC_021164.1	Ca_kabuli_chr05	26997868	AA	CC	1940337479
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SNP_P1_98445_26997987	NC_021164.1	Ca_kabuli_chr05	26997987	TT	CC	1940337486
SNP_P1_98446_26997997	NC_021164.1	Ca_kabuli_chr05	26997997	TT	GG	1940337487
SNP_P1_98447_26998004	NC_021164.1	Ca_kabuli_chr05	26998004	TT	CC	1940337489
SNP_P1_98448_26998028	NC_021164.1	Ca_kabuli_chr05	26998028	TT	CC	1940337491
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SNP_P1_98454_26998354	NC_021164.1	Ca_kabuli_chr05	26998354	TT	CC	1940337501
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SNP_P1_98461_26998624	NC_021164.1	Ca_kabuli_chr05	26998624	TT	CC	1940337513
SNP_P1_98462_26998653	NC_021164.1	Ca_kabuli_chr05	26998653	AA	GG	1940337515
SNP_P1_98463_26998683	NC_021164.1	Ca_kabuli_chr05	26998683	TT	CC	1940337517
SNP_P1_98464_26998848	NC_021164.1	Ca_kabuli_chr05	26998848	AA	CC	1940337518
SNP_P1_98465_26998866	NC_021164.1	Ca_kabuli_chr05	26998866	AA	GG	1940337520
SNP_P1_98466_26998891	NC_021164.1	Ca_kabuli_chr05	26998891	AA	GG	1940337522
SNP_P1_98467_26998900	NC_021164.1	Ca_kabuli_chr05	26998900	AA	GG	1940337524
SNP_P1_98468_26998937	NC_021164.1	Ca_kabuli_chr05	26998937	GG	TT	1940337525
SNP_P1_98469_26999584	NC_021164.1	Ca_kabuli_chr05	26999584	TT	CC	1940337527
SNP_P1_98470_26999645	NC_021164.1	Ca_kabuli_chr05	26999645	GG	TT	1940337529
SNP_P1_98471_26999681	NC_021164.1	Ca_kabuli_chr05	26999681	AA	CC	1940337530

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98474_26999851	NC_021164.1	Ca_kabuli_chr05	26999851	CC	AA	1940337536
SNP_P1_98475_26999898	NC_021164.1	Ca_kabuli_chr05	26999898	AA	GG	1940337537
SNP_P1_98476_26999903	NC_021164.1	Ca_kabuli_chr05	26999903	TT	AA	1940337539
SNP_P1_98477_26999950	NC_021164.1	Ca_kabuli_chr05	26999950	AA	TT	1940337541
SNP_P1_98478_27000090	NC_021164.1	Ca_kabuli_chr05	27000090	AA	GG	1940337543
SNP_P1_98479_27000104	NC_021164.1	Ca_kabuli_chr05	27000104	AA	CC	1940337544
SNP_P1_98481_27000280	NC_021164.1	Ca_kabuli_chr05	27000280	TT	GG	1940337546
SNP_P1_98482_27000295	NC_021164.1	Ca_kabuli_chr05	27000295	AA	CC	1940337548
SNP_P1_98483_27000343	NC_021164.1	Ca_kabuli_chr05	27000343	TT	CC	1940337549
SNP_P1_98484_27000385	NC_021164.1	Ca_kabuli_chr05	27000385	TT	CC	1940337551
SNP_P1_98487_27000545	NC_021164.1	Ca_kabuli_chr05	27000545	GG	TT	1940337553
SNP_P1_98488_27000550	NC_021164.1	Ca_kabuli_chr05	27000550	CC	TT	1940337555
SNP_P1_98489_27000627	NC_021164.1	Ca_kabuli_chr05	27000627	AA	CC	1940337556
SNP_P1_98490_27000630	NC_021164.1	Ca_kabuli_chr05	27000630	AA	GG	1940337558
SNP_P1_98491_27000723	NC_021164.1	Ca_kabuli_chr05	27000723	CC	TT	1940337560
SNP_P1_98493_27000810	NC_021164.1	Ca_kabuli_chr05	27000810	CC	TT	1940337562
SNP_P1_98495_27000878	NC_021164.1	Ca_kabuli_chr05	27000878	TT	AA	1940337563
SNP_P1_98496_27000886	NC_021164.1	Ca_kabuli_chr05	27000886	AA	CC	1940337565
SNP_P1_98497_27000994	NC_021164.1	Ca_kabuli_chr05	27000994	AA	CC	1940337567
SNP_P1_98498_27001020	NC_021164.1	Ca_kabuli_chr05	27001020	AA	CC	1940337569
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SNP_P1_98504_27001507	NC_021164.1	Ca_kabuli_chr05	27001507	TT	GG	1940337579
SNP_P1_98505_27035167	NC_021164.1	Ca_kabuli_chr05	27035167	TT	GG	1940337581
SNP_P1_98506_27035168	NC_021164.1	Ca_kabuli_chr05	27035168	CC	GG	1940337582
SNP_P1_98507_27047667	NC_021164.1	Ca_kabuli_chr05	27047667	GG	AA	1940337584
SNP_P1_98508_27049603	NC_021164.1	Ca_kabuli_chr05	27049603	TT	GG	1940337586
SNP_P1_98509_27052834	NC_021164.1	Ca_kabuli_chr05	27052834	AA	TT	1940337587
SNP_P1_98510_27063671	NC_021164.1	Ca_kabuli_chr05	27063671	AA	GG	1940337589
SNP_P1_98513_27076988	NC_021164.1	Ca_kabuli_chr05	27076988	GG	AA	1940337591
SNP_P1_98514_27089812	NC_021164.1	Ca_kabuli_chr05	27089812	CC	GG	1940337593
SNP_P1_98515_27090238	NC_021164.1	Ca_kabuli_chr05	27090238	AA	GG	1940337594
SNP_P1_98516_27090239	NC_021164.1	Ca_kabuli_chr05	27090239	CC	TT	1940337596
SNP_P1_98517_27090240	NC_021164.1	Ca_kabuli_chr05	27090240	GG	AA	1940337598
SNP_P1_98518_27093268	NC_021164.1	Ca_kabuli_chr05	27093268	CC	TT	1940337600
SNP_P1_98519_27099221	NC_021164.1	Ca_kabuli_chr05	27099221	GG	AA	1940337601
SNP_P1_98521_27099232	NC_021164.1	Ca_kabuli_chr05	27099232	TT	AA	1940337603

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98524_27107278	NC_021164.1	Ca_kabuli_chr05	27107278	AA	GG	1940337606
SNP_P1_98525_27107320	NC_021164.1	Ca_kabuli_chr05	27107320	AA	TT	1940337608
SNP_P1_98526_27107343	NC_021164.1	Ca_kabuli_chr05	27107343	AA	TT	1940337610
SNP_P1_98527_27107349	NC_021164.1	Ca_kabuli_chr05	27107349	TT	CC	1940337612
SNP_P1_98528_27107360	NC_021164.1	Ca_kabuli_chr05	27107360	CC	TT	1940337613
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SNP_P1_98530_27107639	NC_021164.1	Ca_kabuli_chr05	27107639	CC	TT	1940337617
SNP_P1_98531_27107670	NC_021164.1	Ca_kabuli_chr05	27107670	TT	CC	1940337619
SNP_P1_98532_27107725	NC_021164.1	Ca_kabuli_chr05	27107725	TT	AA	1940337620
SNP_P1_98533_27112030	NC_021164.1	Ca_kabuli_chr05	27112030	AA	CC	1940337622
SNP_P1_98536_27146650	NC_021164.1	Ca_kabuli_chr05	27146650	AA	CC	1940337624
SNP_P1_98537_27159708	NC_021164.1	Ca_kabuli_chr05	27159708	GG	AA	1940337625
SNP_P1_98538_27162079	NC_021164.1	Ca_kabuli_chr05	27162079	CC	TT	1940337627
SNP_P1_98539_27183668	NC_021164.1	Ca_kabuli_chr05	27183668	GG	AA	1940337629
SNP_P1_98541_27204851	NC_021164.1	Ca_kabuli_chr05	27204851	CC	AA	1940337631
SNP_P1_98542_27204852	NC_021164.1	Ca_kabuli_chr05	27204852	GG	AA	1940337632
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SNP_P1_98545_27218480	NC_021164.1	Ca_kabuli_chr05	27218480	AA	GG	1940337637
SNP_P1_98546_27218482	NC_021164.1	Ca_kabuli_chr05	27218482	AA	GG	1940337639
SNP_P1_98547_27241997	NC_021164.1	Ca_kabuli_chr05	27241997	CC	AA	1940337641
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SNP_P1_98552_27269651	NC_021164.1	Ca_kabuli_chr05	27269651	CC	TT	1940337646
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SNP_P1_98560_27367607	NC_021164.1	Ca_kabuli_chr05	27367607	AA	CC	1940337656
SNP_P1_98562_27391271	NC_021164.1	Ca_kabuli_chr05	27391271	TT	CC	1940337658
SNP_P1_98563_27391286	NC_021164.1	Ca_kabuli_chr05	27391286	TT	AA	1940337660
SNP_P1_98564_27391289	NC_021164.1	Ca_kabuli_chr05	27391289	TT	CC	1940337662
SNP_P1_98565_27392954	NC_021164.1	Ca_kabuli_chr05	27392954	TT	CC	1940337663
SNP_P1_98567_27393154	NC_021164.1	Ca_kabuli_chr05	27393154	CC	GG	1940337665
SNP_P1_98568_27393212	NC_021164.1	Ca_kabuli_chr05	27393212	GG	TT	1940337667
SNP_P1_98569_27393414	NC_021164.1	Ca_kabuli_chr05	27393414	GG	AA	1940337669
SNP_P1_98572_27399121	NC_021164.1	Ca_kabuli_chr05	27399121	CC	GG	1940337670
SNP_P1_98573_27401836	NC_021164.1	Ca_kabuli_chr05	27401836	TT	CC	1940337672
SNP_P1_98574_27402107	NC_021164.1	Ca_kabuli_chr05	27402107	TT	AA	1940337674
SNP_P1_98575_27410197	NC_021164.1	Ca_kabuli_chr05	27410197	TT	CC	1940337675

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98577_27427453	NC_021164.1	Ca_kabuli_chr05	27427453	AA	GG	1940337679
SNP_P1_98578_27427458	NC_021164.1	Ca_kabuli_chr05	27427458	TT	AA	1940337681
SNP_P1_98579_27427459	NC_021164.1	Ca_kabuli_chr05	27427459	GG	TT	1940337682
SNP_P1_98580_27427463	NC_021164.1	Ca_kabuli_chr05	27427463	TT	GG	1940337684
SNP_P1_98581_27427468	NC_021164.1	Ca_kabuli_chr05	27427468	AA	TT	1940337686
SNP_P1_98582_27427473	NC_021164.1	Ca_kabuli_chr05	27427473	TT	CC	1940337688
SNP_P1_98583_27427508	NC_021164.1	Ca_kabuli_chr05	27427508	AA	GG	1940337689
SNP_P1_98584_27427515	NC_021164.1	Ca_kabuli_chr05	27427515	CC	AA	1940337691
SNP_P1_98585_27427530	NC_021164.1	Ca_kabuli_chr05	27427530	AA	CC	1940337693
SNP_P1_98586_27427533	NC_021164.1	Ca_kabuli_chr05	27427533	GG	TT	1940337695
SNP_P1_98587_27427534	NC_021164.1	Ca_kabuli_chr05	27427534	AA	TT	1940337696
SNP_P1_98588_27427556	NC_021164.1	Ca_kabuli_chr05	27427556	AA	CC	1940337698
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SNP_P1_98591_27427608	NC_021164.1	Ca_kabuli_chr05	27427608	AA	GG	1940337703
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SNP_P1_98597_27428642	NC_021164.1	Ca_kabuli_chr05	27428642	TT	CC	1940337713
SNP_P1_98598_27430660	NC_021164.1	Ca_kabuli_chr05	27430660	CC	AA	1940337715
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SNP_P1_98605_27458395	NC_021164.1	Ca_kabuli_chr05	27458395	TT	CC	1940337727
SNP_P1_98609_27462470	NC_021164.1	Ca_kabuli_chr05	27462470	AA	GG	1940337729
SNP_P1_98610_27469165	NC_021164.1	Ca_kabuli_chr05	27469165	AA	GG	1940337731
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SNP_P1_98620_27558302	NC_021164.1	Ca_kabuli_chr05	27558302	AA	GG	1940337743
SNP_P1_98621_27563077	NC_021164.1	Ca_kabuli_chr05	27563077	TT	AA	1940337744
SNP_P1_98622_27564998	NC_021164.1	Ca_kabuli_chr05	27564998	GG	AA	1940337746
SNP_P1_98623_27565472	NC_021164.1	Ca_kabuli_chr05	27565472	AA	GG	1940337748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98626_27567041	NC_021164.1	Ca_kabuli_chr05	27567041	AA	GG	1940337753
SNP_P1_98627_27567171	NC_021164.1	Ca_kabuli_chr05	27567171	AA	GG	1940337755
SNP_P1_98628_27567197	NC_021164.1	Ca_kabuli_chr05	27567197	AA	CC	1940337757
SNP_P1_98629_27567200	NC_021164.1	Ca_kabuli_chr05	27567200	CC	AA	1940337758
SNP_P1_98630_27567237	NC_021164.1	Ca_kabuli_chr05	27567237	TT	GG	1940337760
SNP_P1_98631_27567254	NC_021164.1	Ca_kabuli_chr05	27567254	AA	CC	1940337762
SNP_P1_98632_27567545	NC_021164.1	Ca_kabuli_chr05	27567545	GG	AA	1940337763
SNP_P1_98633_27567547	NC_021164.1	Ca_kabuli_chr05	27567547	CC	TT	1940337765
SNP_P1_98634_27567659	NC_021164.1	Ca_kabuli_chr05	27567659	TT	GG	1940337767
SNP_P1_98635_27567675	NC_021164.1	Ca_kabuli_chr05	27567675	TT	CC	1940337769
SNP_P1_98636_27567681	NC_021164.1	Ca_kabuli_chr05	27567681	TT	CC	1940337770
SNP_P1_98637_27567710	NC_021164.1	Ca_kabuli_chr05	27567710	AA	GG	1940337772
SNP_P1_98638_27567730	NC_021164.1	Ca_kabuli_chr05	27567730	GG	AA	1940337774
SNP_P1_98639_27567731	NC_021164.1	Ca_kabuli_chr05	27567731	TT	CC	1940337775
SNP_P1_98640_27568032	NC_021164.1	Ca_kabuli_chr05	27568032	TT	CC	1940337777
SNP_P1_98641_27568075	NC_021164.1	Ca_kabuli_chr05	27568075	GG	AA	1940337779
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SNP_P1_98649_27636484	NC_021164.1	Ca_kabuli_chr05	27636484	CC	GG	1940337791
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SNP_P1_98651_27652915	NC_021164.1	Ca_kabuli_chr05	27652915	TT	AA	1940337794
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SNP_P1_98654_27654802	NC_021164.1	Ca_kabuli_chr05	27654802	AA	TT	1940337800
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SNP_P1_98656_27672246	NC_021164.1	Ca_kabuli_chr05	27672246	GG	AA	1940337803
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SNP_P1_98660_27694847	NC_021164.1	Ca_kabuli_chr05	27694847	CC	TT	1940337808
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SNP_P1_98665_27724367	NC_021164.1	Ca_kabuli_chr05	27724367	AA	CC	1940337817
SNP_P1_98667_27734113	NC_021164.1	Ca_kabuli_chr05	27734113	CC	TT	1940337819
SNP_P1_98668_27737309	NC_021164.1	Ca_kabuli_chr05	27737309	AA	GG	1940337820

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98671_27761086	NC_021164.1	Ca_kabuli_chr05	27761086	CC	AA	1940337825
SNP_P1_98672_27764120	NC_021164.1	Ca_kabuli_chr05	27764120	CC	AA	1940337827
SNP_P1_98673_27767589	NC_021164.1	Ca_kabuli_chr05	27767589	AA	TT	1940337829
SNP_P1_98675_27775301	NC_021164.1	Ca_kabuli_chr05	27775301	AA	GG	1940337831
SNP_P1_98677_27782370	NC_021164.1	Ca_kabuli_chr05	27782370	AA	CC	1940337832
SNP_P1_98678_27783132	NC_021164.1	Ca_kabuli_chr05	27783132	AA	GG	1940337834
SNP_P1_98679_27800772	NC_021164.1	Ca_kabuli_chr05	27800772	TT	CC	1940337836
SNP_P1_98681_27811474	NC_021164.1	Ca_kabuli_chr05	27811474	CC	GG	1940337838
SNP_P1_98682_27811537	NC_021164.1	Ca_kabuli_chr05	27811537	CC	AA	1940337839
SNP_P1_98683_27811625	NC_021164.1	Ca_kabuli_chr05	27811625	CC	TT	1940337841
SNP_P1_98684_27811811	NC_021164.1	Ca_kabuli_chr05	27811811	CC	AA	1940337843
SNP_P1_98685_27811943	NC_021164.1	Ca_kabuli_chr05	27811943	AA	GG	1940337844
SNP_P1_98686_27812035	NC_021164.1	Ca_kabuli_chr05	27812035	GG	AA	1940337846
SNP_P1_98687_27813905	NC_021164.1	Ca_kabuli_chr05	27813905	GG	AA	1940337848
SNP_P1_98688_27814278	NC_021164.1	Ca_kabuli_chr05	27814278	CC	TT	1940337850
SNP_P1_98689_27835228	NC_021164.1	Ca_kabuli_chr05	27835228	AA	GG	1940337851
SNP_P1_98690_27835250	NC_021164.1	Ca_kabuli_chr05	27835250	CC	AA	1940337853
SNP_P1_98691_27835521	NC_021164.1	Ca_kabuli_chr05	27835521	GG	AA	1940337855
SNP_P1_98693_27835545	NC_021164.1	Ca_kabuli_chr05	27835545	CC	TT	1940337857
SNP_P1_98694_27835663	NC_021164.1	Ca_kabuli_chr05	27835663	TT	CC	1940337858
SNP_P1_98695_27835701	NC_021164.1	Ca_kabuli_chr05	27835701	CC	TT	1940337860
SNP_P1_98696_27835712	NC_021164.1	Ca_kabuli_chr05	27835712	GG	AA	1940337862
SNP_P1_98697_27843215	NC_021164.1	Ca_kabuli_chr05	27843215	AA	GG	1940337864
SNP_P1_98698_27863580	NC_021164.1	Ca_kabuli_chr05	27863580	TT	AA	1940337865
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SNP_P1_98702_27903928	NC_021164.1	Ca_kabuli_chr05	27903928	GG	AA	1940337869
SNP_P1_98703_27904469	NC_021164.1	Ca_kabuli_chr05	27904469	CC	AA	1940337870
SNP_P1_98704_27905228	NC_021164.1	Ca_kabuli_chr05	27905228	TT	AA	1940337872
SNP_P1_98705_27911203	NC_021164.1	Ca_kabuli_chr05	27911203	AA	TT	1940337874
SNP_P1_98706_27911204	NC_021164.1	Ca_kabuli_chr05	27911204	AA	TT	1940337876
SNP_P1_98707_27922625	NC_021164.1	Ca_kabuli_chr05	27922625	GG	TT	1940337877
SNP_P1_98708_27922915	NC_021164.1	Ca_kabuli_chr05	27922915	GG	AA	1940337879
SNP_P1_98709_27923211	NC_021164.1	Ca_kabuli_chr05	27923211	AA	GG	1940337881
SNP_P1_98710_27925621	NC_021164.1	Ca_kabuli_chr05	27925621	GG	AA	1940337883
SNP_P1_98712_27945137	NC_021164.1	Ca_kabuli_chr05	27945137	AA	TT	1940337884
SNP_P1_98713_27950052	NC_021164.1	Ca_kabuli_chr05	27950052	AA	TT	1940337886
SNP_P1_98714_27950069	NC_021164.1	Ca_kabuli_chr05	27950069	CC	TT	1940337888
SNP_P1_98715_27953206	NC_021164.1	Ca_kabuli_chr05	27953206	TT	AA	1940337889
SNP_P1_98717_27953428	NC_021164.1	Ca_kabuli_chr05	27953428	TT	CC	1940337891
SNP_P1_98718_27953431	NC_021164.1	Ca_kabuli_chr05	27953431	TT	AA	1940337893

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98720_27953501	NC_021164.1	Ca_kabuli_chr05	27953501	TT	CC	1940337896
SNP_P1_98721_27953505	NC_021164.1	Ca_kabuli_chr05	27953505	CC	GG	1940337898
SNP_P1_98722_27953650	NC_021164.1	Ca_kabuli_chr05	27953650	TT	CC	1940337900
SNP_P1_98723_27953654	NC_021164.1	Ca_kabuli_chr05	27953654	AA	GG	1940337901
SNP_P1_98724_27954262	NC_021164.1	Ca_kabuli_chr05	27954262	AA	GG	1940337903
SNP_P1_98725_27954333	NC_021164.1	Ca_kabuli_chr05	27954333	GG	CC	1940337905
SNP_P1_98726_27954369	NC_021164.1	Ca_kabuli_chr05	27954369	AA	TT	1940337907
SNP_P1_98727_27954692	NC_021164.1	Ca_kabuli_chr05	27954692	GG	AA	1940337908
SNP_P1_98728_27954712	NC_021164.1	Ca_kabuli_chr05	27954712	GG	AA	1940337910
SNP_P1_98729_27954714	NC_021164.1	Ca_kabuli_chr05	27954714	AA	TT	1940337912
SNP_P1_98730_27954722	NC_021164.1	Ca_kabuli_chr05	27954722	TT	AA	1940337913
SNP_P1_98731_27954723	NC_021164.1	Ca_kabuli_chr05	27954723	TT	AA	1940337915
SNP_P1_98732_27954801	NC_021164.1	Ca_kabuli_chr05	27954801	AA	GG	1940337917
SNP_P1_98733_27954820	NC_021164.1	Ca_kabuli_chr05	27954820	CC	AA	1940337919
SNP_P1_98734_27954850	NC_021164.1	Ca_kabuli_chr05	27954850	TT	GG	1940337920
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SNP_P1_98736_27981863	NC_021164.1	Ca_kabuli_chr05	27981863	GG	CC	1940337924
SNP_P1_98737_27989938	NC_021164.1	Ca_kabuli_chr05	27989938	AA	GG	1940337926
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SNP_P1_98740_28010050	NC_021164.1	Ca_kabuli_chr05	28010050	CC	GG	1940337931
SNP_P1_98742_28025975	NC_021164.1	Ca_kabuli_chr05	28025975	CC	TT	1940337932
SNP_P1_98743_28056188	NC_021164.1	Ca_kabuli_chr05	28056188	GG	AA	1940337934
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SNP_P1_98747_28058532	NC_021164.1	Ca_kabuli_chr05	28058532	TT	AA	1940337941
SNP_P1_98748_28058584	NC_021164.1	Ca_kabuli_chr05	28058584	TT	CC	1940337943
SNP_P1_98749_28058641	NC_021164.1	Ca_kabuli_chr05	28058641	TT	CC	1940337944
SNP_P1_98751_28088515	NC_021164.1	Ca_kabuli_chr05	28088515	CC	TT	1940337946
SNP_P1_98753_28094193	NC_021164.1	Ca_kabuli_chr05	28094193	AA	TT	1940337948
SNP_P1_98754_28095597	NC_021164.1	Ca_kabuli_chr05	28095597	TT	GG	1940337950
SNP_P1_98755_28097502	NC_021164.1	Ca_kabuli_chr05	28097502	AA	TT	1940337951
SNP_P1_98756_28106519	NC_021164.1	Ca_kabuli_chr05	28106519	CC	TT	1940337953
SNP_P1_98760_28135970	NC_021164.1	Ca_kabuli_chr05	28135970	GG	AA	1940337955
SNP_P1_98761_28137411	NC_021164.1	Ca_kabuli_chr05	28137411	CC	AA	1940337957
SNP_P1_98763_28155678	NC_021164.1	Ca_kabuli_chr05	28155678	TT	CC	1940337958
SNP_P1_98768_28251301	NC_021164.1	Ca_kabuli_chr05	28251301	CC	TT	1940337960
SNP_P1_98770_28298152	NC_021164.1	Ca_kabuli_chr05	28298152	CC	TT	1940337962
SNP_P1_98771_28305429	NC_021164.1	Ca_kabuli_chr05	28305429	AA	TT	1940337963
SNP_P1_98773_28305498	NC_021164.1	Ca_kabuli_chr05	28305498	AA	GG	1940337965

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98775_28341927	NC_021164.1	Ca_kabuli_chr05	28341927	TT	AA	1940337969
SNP_P1_98777_28368050	NC_021164.1	Ca_kabuli_chr05	28368050	TT	GG	1940337970
SNP_P1_98778_28385090	NC_021164.1	Ca_kabuli_chr05	28385090	GG	AA	1940337972
SNP_P1_98779_28387788	NC_021164.1	Ca_kabuli_chr05	28387788	CC	TT	1940337974
SNP_P1_98780_28387837	NC_021164.1	Ca_kabuli_chr05	28387837	TT	AA	1940337976
SNP_P1_98781_28387838	NC_021164.1	Ca_kabuli_chr05	28387838	GG	TT	1940337977
SNP_P1_98782_28391729	NC_021164.1	Ca_kabuli_chr05	28391729	CC	TT	1940337979
SNP_P1_98783_28391780	NC_021164.1	Ca_kabuli_chr05	28391780	TT	CC	1940337981
SNP_P1_98784_28392189	NC_021164.1	Ca_kabuli_chr05	28392189	AA	TT	1940337982
SNP_P1_98785_28398388	NC_021164.1	Ca_kabuli_chr05	28398388	GG	AA	1940337984
SNP_P1_98787_28409621	NC_021164.1	Ca_kabuli_chr05	28409621	GG	AA	1940337986
SNP_P1_98788_28409627	NC_021164.1	Ca_kabuli_chr05	28409627	CC	TT	1940337988
SNP_P1_98789_28409628	NC_021164.1	Ca_kabuli_chr05	28409628	CC	TT	1940337989
SNP_P1_98790_28409782	NC_021164.1	Ca_kabuli_chr05	28409782	TT	CC	1940337991
SNP_P1_98792_28413409	NC_021164.1	Ca_kabuli_chr05	28413409	CC	AA	1940337993
SNP_P1_98794_28435124	NC_021164.1	Ca_kabuli_chr05	28435124	TT	AA	1940337994
SNP_P1_98797_28466907	NC_021164.1	Ca_kabuli_chr05	28466907	TT	CC	1940337996
SNP_P1_98798_28466923	NC_021164.1	Ca_kabuli_chr05	28466923	CC	TT	1940337998
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SNP_P1_98801_28470266	NC_021164.1	Ca_kabuli_chr05	28470266	TT	GG	1940338003
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SNP_P1_98803_28480126	NC_021164.1	Ca_kabuli_chr05	28480126	TT	GG	1940338007
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SNP_P1_98805_28480511	NC_021164.1	Ca_kabuli_chr05	28480511	TT	GG	1940338010
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SNP_P1_98808_28502705	NC_021164.1	Ca_kabuli_chr05	28502705	AA	CC	1940338014
SNP_P1_98810_28505250	NC_021164.1	Ca_kabuli_chr05	28505250	GG	AA	1940338015
SNP_P1_98811_28515721	NC_021164.1	Ca_kabuli_chr05	28515721	AA	TT	1940338017
SNP_P1_98812_28515723	NC_021164.1	Ca_kabuli_chr05	28515723	TT	AA	1940338019
SNP_P1_98814_28520767	NC_021164.1	Ca_kabuli_chr05	28520767	TT	CC	1940338020
SNP_P1_98815_28520791	NC_021164.1	Ca_kabuli_chr05	28520791	AA	GG	1940338022
SNP_P1_98816_28524110	NC_021164.1	Ca_kabuli_chr05	28524110	TT	AA	1940338024
SNP_P1_98817_28525088	NC_021164.1	Ca_kabuli_chr05	28525088	TT	CC	1940338026
SNP_P1_98818_28525109	NC_021164.1	Ca_kabuli_chr05	28525109	AA	GG	1940338027
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SNP_P1_98821_28525200	NC_021164.1	Ca_kabuli_chr05	28525200	AA	GG	1940338032
SNP_P1_98822_28525309	NC_021164.1	Ca_kabuli_chr05	28525309	GG	AA	1940338034
SNP_P1_98823_28525383	NC_021164.1	Ca_kabuli_chr05	28525383	AA	GG	1940338036
SNP_P1_98824_28525415	NC_021164.1	Ca_kabuli_chr05	28525415	GG	AA	1940338038

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98826_28525437	NC_021164.1	Ca_kabuli_chr05	28525437	TT	CC	1940338041
SNP_P1_98827_28525444	NC_021164.1	Ca_kabuli_chr05	28525444	AA	GG	1940338043
SNP_P1_98828_28525478	NC_021164.1	Ca_kabuli_chr05	28525478	GG	AA	1940338045
SNP_P1_98829_28525514	NC_021164.1	Ca_kabuli_chr05	28525514	GG	CC	1940338046
SNP_P1_98830_28525547	NC_021164.1	Ca_kabuli_chr05	28525547	AA	TT	1940338048
SNP_P1_98831_28525586	NC_021164.1	Ca_kabuli_chr05	28525586	CC	TT	1940338050
SNP_P1_98832_28525622	NC_021164.1	Ca_kabuli_chr05	28525622	TT	CC	1940338051
SNP_P1_98833_28525630	NC_021164.1	Ca_kabuli_chr05	28525630	AA	TT	1940338053
SNP_P1_98834_28525635	NC_021164.1	Ca_kabuli_chr05	28525635	AA	GG	1940338055
SNP_P1_98835_28525662	NC_021164.1	Ca_kabuli_chr05	28525662	TT	CC	1940338057
SNP_P1_98836_28525672	NC_021164.1	Ca_kabuli_chr05	28525672	TT	CC	1940338058
SNP_P1_98837_28525687	NC_021164.1	Ca_kabuli_chr05	28525687	TT	CC	1940338060
SNP_P1_98838_28528496	NC_021164.1	Ca_kabuli_chr05	28528496	AA	GG	1940338062
SNP_P1_98840_28569560	NC_021164.1	Ca_kabuli_chr05	28569560	TT	GG	1940338064
SNP_P1_98841_28569578	NC_021164.1	Ca_kabuli_chr05	28569578	CC	TT	1940338065
SNP_P1_98842_28569583	NC_021164.1	Ca_kabuli_chr05	28569583	GG	CC	1940338067
SNP_P1_98843_28569864	NC_021164.1	Ca_kabuli_chr05	28569864	CC	GG	1940338069
SNP_P1_98844_28569873	NC_021164.1	Ca_kabuli_chr05	28569873	TT	CC	1940338070
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SNP_P1_98848_28569979	NC_021164.1	Ca_kabuli_chr05	28569979	CC	TT	1940338077
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SNP_P1_98850_28569993	NC_021164.1	Ca_kabuli_chr05	28569993	AA	GG	1940338081
SNP_P1_98851_28570030	NC_021164.1	Ca_kabuli_chr05	28570030	AA	GG	1940338082
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SNP_P1_98855_28615496	NC_021164.1	Ca_kabuli_chr05	28615496	AA	GG	1940338088
SNP_P1_98856_28616955	NC_021164.1	Ca_kabuli_chr05	28616955	CC	TT	1940338089
SNP_P1_98857_28620968	NC_021164.1	Ca_kabuli_chr05	28620968	CC	TT	1940338091
SNP_P1_98858_28629586	NC_021164.1	Ca_kabuli_chr05	28629586	TT	CC	1940338093
SNP_P1_98859_28638658	NC_021164.1	Ca_kabuli_chr05	28638658	TT	CC	1940338095
SNP_P1_98860_28639731	NC_021164.1	Ca_kabuli_chr05	28639731	CC	GG	1940338096
SNP_P1_98861_28651625	NC_021164.1	Ca_kabuli_chr05	28651625	CC	GG	1940338098
SNP_P1_98862_28651771	NC_021164.1	Ca_kabuli_chr05	28651771	AA	GG	1940338100
SNP_P1_98863_28651907	NC_021164.1	Ca_kabuli_chr05	28651907	GG	TT	1940338101
SNP_P1_98864_28651916	NC_021164.1	Ca_kabuli_chr05	28651916	AA	TT	1940338103
SNP_P1_98865_28651921	NC_021164.1	Ca_kabuli_chr05	28651921	AA	CC	1940338105
SNP_P1_98867_28652604	NC_021164.1	Ca_kabuli_chr05	28652604	GG	AA	1940338107
SNP_P1_98868_28653814	NC_021164.1	Ca_kabuli_chr05	28653814	AA	GG	1940338108
SNP_P1_98869_28682806	NC_021164.1	Ca_kabuli_chr05	28682806	AA	TT	1940338110

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98875_28750614	NC_021164.1	Ca_kabuli_chr05	28750614	CC	AA	1940338117
SNP_P1_98877_28765764	NC_021164.1	Ca_kabuli_chr05	28765764	CC	TT	1940338119
SNP_P1_98878_28766009	NC_021164.1	Ca_kabuli_chr05	28766009	AA	TT	1940338120
SNP_P1_98880_28766307	NC_021164.1	Ca_kabuli_chr05	28766307	GG	AA	1940338122
SNP_P1_98881_28766391	NC_021164.1	Ca_kabuli_chr05	28766391	GG	AA	1940338124
SNP_P1_98882_28767700	NC_021164.1	Ca_kabuli_chr05	28767700	TT	GG	1940338126
SNP_P1_98883_28800271	NC_021164.1	Ca_kabuli_chr05	28800271	CC	TT	1940338127
SNP_P1_98884_28809138	NC_021164.1	Ca_kabuli_chr05	28809138	CC	TT	1940338129
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SNP_P1_98887_28821460	NC_021164.1	Ca_kabuli_chr05	28821460	GG	TT	1940338134
SNP_P1_98888_28842159	NC_021164.1	Ca_kabuli_chr05	28842159	AA	TT	1940338136
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SNP_P1_98891_28850968	NC_021164.1	Ca_kabuli_chr05	28850968	AA	GG	1940338141
SNP_P1_98892_28850981	NC_021164.1	Ca_kabuli_chr05	28850981	AA	TT	1940338143
SNP_P1_98894_28864402	NC_021164.1	Ca_kabuli_chr05	28864402	CC	AA	1940338145
SNP_P1_98897_28893867	NC_021164.1	Ca_kabuli_chr05	28893867	TT	CC	1940338146
SNP_P1_98898_28895474	NC_021164.1	Ca_kabuli_chr05	28895474	AA	GG	1940338148
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SNP_P1_98903_28935754	NC_021164.1	Ca_kabuli_chr05	28935754	CC	TT	1940338151
SNP_P1_98904_28948102	NC_021164.1	Ca_kabuli_chr05	28948102	TT	GG	1940338153
SNP_P1_98905_28949573	NC_021164.1	Ca_kabuli_chr05	28949573	GG	AA	1940338155
SNP_P1_98906_28964399	NC_021164.1	Ca_kabuli_chr05	28964399	AA	TT	1940338157
SNP_P1_98907_28964406	NC_021164.1	Ca_kabuli_chr05	28964406	AA	GG	1940338158
SNP_P1_98910_28977925	NC_021164.1	Ca_kabuli_chr05	28977925	AA	GG	1940338160
SNP_P1_98911_28978002	NC_021164.1	Ca_kabuli_chr05	28978002	AA	GG	1940338162
SNP_P1_98913_28999129	NC_021164.1	Ca_kabuli_chr05	28999129	GG	TT	1940338164
SNP_P1_98915_29004599	NC_021164.1	Ca_kabuli_chr05	29004599	AA	CC	1940338165
SNP_P1_98916_29038394	NC_021164.1	Ca_kabuli_chr05	29038394	TT	CC	1940338167
SNP_P1_98917_29039269	NC_021164.1	Ca_kabuli_chr05	29039269	GG	AA	1940338169
SNP_P1_98918_29046172	NC_021164.1	Ca_kabuli_chr05	29046172	CC	TT	1940338170
SNP_P1_98919_29053439	NC_021164.1	Ca_kabuli_chr05	29053439	GG	AA	1940338172
SNP_P1_98920_29075185	NC_021164.1	Ca_kabuli_chr05	29075185	GG	AA	1940338174
SNP_P1_98922_29099634	NC_021164.1	Ca_kabuli_chr05	29099634	AA	GG	1940338176
SNP_P1_98923_29125965	NC_021164.1	Ca_kabuli_chr05	29125965	GG	AA	1940338177
SNP_P1_98924_29132474	NC_021164.1	Ca_kabuli_chr05	29132474	TT	CC	1940338179
SNP_P1_98932_29298206	NC_021164.1	Ca_kabuli_chr05	29298206	TT	GG	1940338181
SNP_P1_98933_29333305	NC_021164.1	Ca_kabuli_chr05	29333305	TT	AA	1940338183

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98936_29356371	NC_021164.1	Ca_kabuli_chr05	29356371	CC	TT	1940338186
SNP_P1_98940_29423069	NC_021164.1	Ca_kabuli_chr05	29423069	AA	GG	1940338188
SNP_P1_98941_29423070	NC_021164.1	Ca_kabuli_chr05	29423070	AA	TT	1940338189
SNP_P1_98942_29476146	NC_021164.1	Ca_kabuli_chr05	29476146	TT	CC	1940338191
SNP_P1_98943_29476543	NC_021164.1	Ca_kabuli_chr05	29476543	TT	AA	1940338193
SNP_P1_98944_29476544	NC_021164.1	Ca_kabuli_chr05	29476544	GG	CC	1940338195
SNP_P1_98946_29480541	NC_021164.1	Ca_kabuli_chr05	29480541	GG	CC	1940338196
SNP_P1_98948_29504537	NC_021164.1	Ca_kabuli_chr05	29504537	AA	TT	1940338198
SNP_P1_98949_29518833	NC_021164.1	Ca_kabuli_chr05	29518833	AA	GG	1940338200
SNP_P1_98950_29522228	NC_021164.1	Ca_kabuli_chr05	29522228	AA	GG	1940338201
SNP_P1_98952_29536303	NC_021164.1	Ca_kabuli_chr05	29536303	TT	CC	1940338203
SNP_P1_98954_29625676	NC_021164.1	Ca_kabuli_chr05	29625676	AA	GG	1940338205
SNP_P1_98955_29653967	NC_021164.1	Ca_kabuli_chr05	29653967	GG	AA	1940338207
SNP_P1_98959_29670495	NC_021164.1	Ca_kabuli_chr05	29670495	CC	TT	1940338208
SNP_P1_98960_29678063	NC_021164.1	Ca_kabuli_chr05	29678063	GG	AA	1940338210
SNP_P1_98961_29704202	NC_021164.1	Ca_kabuli_chr05	29704202	AA	GG	1940338212
SNP_P1_98962_29706447	NC_021164.1	Ca_kabuli_chr05	29706447	TT	CC	1940338214
SNP_P1_98963_29721738	NC_021164.1	Ca_kabuli_chr05	29721738	CC	TT	1940338215
SNP_P1_98965_29739368	NC_021164.1	Ca_kabuli_chr05	29739368	TT	CC	1940338217
SNP_P1_98966_29740760	NC_021164.1	Ca_kabuli_chr05	29740760	AA	CC	1940338219
SNP_P1_98967_29759720	NC_021164.1	Ca_kabuli_chr05	29759720	TT	AA	1940338220
SNP_P1_98968_29759752	NC_021164.1	Ca_kabuli_chr05	29759752	AA	GG	1940338222
SNP_P1_98969_29778227	NC_021164.1	Ca_kabuli_chr05	29778227	AA	GG	1940338224
SNP_P1_98971_29805826	NC_021164.1	Ca_kabuli_chr05	29805826	AA	TT	1940338226
SNP_P1_98973_29856867	NC_021164.1	Ca_kabuli_chr05	29856867	AA	TT	1940338227
SNP_P1_98974_29858315	NC_021164.1	Ca_kabuli_chr05	29858315	CC	AA	1940338229
SNP_P1_98976_29859687	NC_021164.1	Ca_kabuli_chr05	29859687	TT	AA	1940338231
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SNP_P1_98984_29902979	NC_021164.1	Ca_kabuli_chr05	29902979	GG	AA	1940338238
SNP_P1_98985_29904792	NC_021164.1	Ca_kabuli_chr05	29904792	CC	TT	1940338239
SNP_P1_98986_29917019	NC_021164.1	Ca_kabuli_chr05	29917019	TT	GG	1940338241
SNP_P1_98987_29917613	NC_021164.1	Ca_kabuli_chr05	29917613	CC	TT	1940338243
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SNP_P1_98990_29917813	NC_021164.1	Ca_kabuli_chr05	29917813	AA	GG	1940338248
SNP_P1_98991_29919235	NC_021164.1	Ca_kabuli_chr05	29919235	CC	GG	1940338250
SNP_P1_98992_29919361	NC_021164.1	Ca_kabuli_chr05	29919361	GG	TT	1940338252
SNP_P1_98993_29920943	NC_021164.1	Ca_kabuli_chr05	29920943	CC	TT	1940338253
SNP_P1_98994_29920999	NC_021164.1	Ca_kabuli_chr05	29920999	AA	CC	1940338255

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_98996_29921081	NC_021164.1	Ca_kabuli_chr05	29921081	AA	TT	1940338258
SNP_P1_98997_29921082	NC_021164.1	Ca_kabuli_chr05	29921082	AA	GG	1940338260
SNP_P1_98998_29921320	NC_021164.1	Ca_kabuli_chr05	29921320	TT	CC	1940338262
SNP_P1_98999_29921326	NC_021164.1	Ca_kabuli_chr05	29921326	CC	TT	1940338264
SNP_P1_99000_29921422	NC_021164.1	Ca_kabuli_chr05	29921422	CC	TT	1940338265
SNP_P1_99001_29921443	NC_021164.1	Ca_kabuli_chr05	29921443	GG	AA	1940338267
SNP_P1_99002_29929369	NC_021164.1	Ca_kabuli_chr05	29929369	AA	TT	1940338269
SNP_P1_99003_29929408	NC_021164.1	Ca_kabuli_chr05	29929408	CC	TT	1940338271
SNP_P1_99004_29932064	NC_021164.1	Ca_kabuli_chr05	29932064	TT	CC	1940338272
SNP_P1_99005_29932135	NC_021164.1	Ca_kabuli_chr05	29932135	GG	TT	1940338274
SNP_P1_99006_29932159	NC_021164.1	Ca_kabuli_chr05	29932159	CC	TT	1940338276
SNP_P1_99007_29932160	NC_021164.1	Ca_kabuli_chr05	29932160	CC	GG	1940338277
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SNP_P1_99010_29932330	NC_021164.1	Ca_kabuli_chr05	29932330	GG	AA	1940338281
SNP_P1_99012_29932355	NC_021164.1	Ca_kabuli_chr05	29932355	GG	AA	1940338283
SNP_P1_99013_29932374	NC_021164.1	Ca_kabuli_chr05	29932374	GG	AA	1940338284
SNP_P1_99014_29932515	NC_021164.1	Ca_kabuli_chr05	29932515	GG	AA	1940338286
SNP_P1_99015_29933084	NC_021164.1	Ca_kabuli_chr05	29933084	CC	GG	1940338288
SNP_P1_99019_29933992	NC_021164.1	Ca_kabuli_chr05	29933992	TT	CC	1940338289
SNP_P1_99020_29934615	NC_021164.1	Ca_kabuli_chr05	29934615	CC	TT	1940338291
SNP_P1_99021_29938073	NC_021164.1	Ca_kabuli_chr05	29938073	AA	TT	1940338293
SNP_P1_99022_29938136	NC_021164.1	Ca_kabuli_chr05	29938136	GG	AA	1940338295
SNP_P1_99025_29938497	NC_021164.1	Ca_kabuli_chr05	29938497	TT	GG	1940338296
SNP_P1_99026_29962574	NC_021164.1	Ca_kabuli_chr05	29962574	TT	CC	1940338298
SNP_P1_99027_29970768	NC_021164.1	Ca_kabuli_chr05	29970768	AA	CC	1940338300
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SNP_P1_99031_29999476	NC_021164.1	Ca_kabuli_chr05	29999476	AA	GG	1940338303
SNP_P1_99032_30008557	NC_021164.1	Ca_kabuli_chr05	30008557	GG	AA	1940338305
SNP_P1_99033_30008637	NC_021164.1	Ca_kabuli_chr05	30008637	AA	GG	1940338307
SNP_P1_99034_30008640	NC_021164.1	Ca_kabuli_chr05	30008640	GG	AA	1940338308
SNP_P1_99035_30013214	NC_021164.1	Ca_kabuli_chr05	30013214	CC	TT	1940338310
SNP_P1_99036_30013222	NC_021164.1	Ca_kabuli_chr05	30013222	CC	TT	1940338312
SNP_P1_99037_30014117	NC_021164.1	Ca_kabuli_chr05	30014117	TT	AA	1940338314
SNP_P1_99038_30014192	NC_021164.1	Ca_kabuli_chr05	30014192	GG	AA	1940338315
SNP_P1_99039_30015740	NC_021164.1	Ca_kabuli_chr05	30015740	TT	CC	1940338317
SNP_P1_99040_30018549	NC_021164.1	Ca_kabuli_chr05	30018549	CC	TT	1940338319
SNP_P1_99041_30028536	NC_021164.1	Ca_kabuli_chr05	30028536	CC	TT	1940338320
SNP_P1_99042_30040605	NC_021164.1	Ca_kabuli_chr05	30040605	TT	AA	1940338322
SNP_P1_99043_30078529	NC_021164.1	Ca_kabuli_chr05	30078529	CC	TT	1940338324
SNP_P1_99045_30081391	NC_021164.1	Ca_kabuli_chr05	30081391	AA	TT	1940338326
SNP_P1_99046_30089940	NC_021164.1	Ca_kabuli_chr05	30089940	AA	GG	1940338327

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99048_30106187	NC_021164.1	Ca_kabuli_chr05	30106187	AA	GG	1940338331
SNP_P1_99049_30107037	NC_021164.1	Ca_kabuli_chr05	30107037	GG	AA	1940338333
SNP_P1_99050_30107041	NC_021164.1	Ca_kabuli_chr05	30107041	CC	TT	1940338334
SNP_P1_99051_30107049	NC_021164.1	Ca_kabuli_chr05	30107049	TT	CC	1940338336
SNP_P1_99052_30107279	NC_021164.1	Ca_kabuli_chr05	30107279	AA	GG	1940338338
SNP_P1_99053_30107307	NC_021164.1	Ca_kabuli_chr05	30107307	TT	AA	1940338340
SNP_P1_99054_30107315	NC_021164.1	Ca_kabuli_chr05	30107315	CC	TT	1940338341
SNP_P1_99056_30107448	NC_021164.1	Ca_kabuli_chr05	30107448	AA	GG	1940338343
SNP_P1_99057_30107550	NC_021164.1	Ca_kabuli_chr05	30107550	TT	CC	1940338345
SNP_P1_99058_30107576	NC_021164.1	Ca_kabuli_chr05	30107576	AA	CC	1940338346
SNP_P1_99059_30107661	NC_021164.1	Ca_kabuli_chr05	30107661	AA	GG	1940338348
SNP_P1_99060_30108177	NC_021164.1	Ca_kabuli_chr05	30108177	AA	TT	1940338350
SNP_P1_99061_30108184	NC_021164.1	Ca_kabuli_chr05	30108184	CC	AA	1940338352
SNP_P1_99062_30108518	NC_021164.1	Ca_kabuli_chr05	30108518	AA	CC	1940338353
SNP_P1_99063_30108652	NC_021164.1	Ca_kabuli_chr05	30108652	TT	GG	1940338355
SNP_P1_99064_30108824	NC_021164.1	Ca_kabuli_chr05	30108824	CC	GG	1940338357
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SNP_P1_99067_30109040	NC_021164.1	Ca_kabuli_chr05	30109040	TT	CC	1940338362
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SNP_P1_99069_30109197	NC_021164.1	Ca_kabuli_chr05	30109197	GG	AA	1940338365
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SNP_P1_99071_30109382	NC_021164.1	Ca_kabuli_chr05	30109382	TT	CC	1940338369
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SNP_P1_99075_30112051	NC_021164.1	Ca_kabuli_chr05	30112051	CC	GG	1940338376
SNP_P1_99076_30112152	NC_021164.1	Ca_kabuli_chr05	30112152	GG	AA	1940338378
SNP_P1_99077_30112210	NC_021164.1	Ca_kabuli_chr05	30112210	TT	CC	1940338379
SNP_P1_99078_30112270	NC_021164.1	Ca_kabuli_chr05	30112270	CC	TT	1940338381
SNP_P1_99080_30116096	NC_021164.1	Ca_kabuli_chr05	30116096	TT	GG	1940338383
SNP_P1_99081_30119135	NC_021164.1	Ca_kabuli_chr05	30119135	CC	TT	1940338385
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SNP_P1_99083_30119775	NC_021164.1	Ca_kabuli_chr05	30119775	TT	CC	1940338388
SNP_P1_99084_30120257	NC_021164.1	Ca_kabuli_chr05	30120257	AA	GG	1940338390
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SNP_P1_99088_30123327	NC_021164.1	Ca_kabuli_chr05	30123327	CC	TT	1940338395
SNP_P1_99089_30123407	NC_021164.1	Ca_kabuli_chr05	30123407	GG	CC	1940338397
SNP_P1_99090_30123675	NC_021164.1	Ca_kabuli_chr05	30123675	GG	CC	1940338398
SNP_P1_99091_30123687	NC_021164.1	Ca_kabuli_chr05	30123687	CC	AA	1940338400

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99095_30127283	NC_021164.1	Ca_kabuli_chr05	30127283	GG	AA	1940338405
SNP_P1_99096_30127852	NC_021164.1	Ca_kabuli_chr05	30127852	CC	TT	1940338407
SNP_P1_99097_30128630	NC_021164.1	Ca_kabuli_chr05	30128630	GG	TT	1940338409
SNP_P1_99098_30128762	NC_021164.1	Ca_kabuli_chr05	30128762	CC	TT	1940338410
SNP_P1_99100_30129022	NC_021164.1	Ca_kabuli_chr05	30129022	AA	TT	1940338412
SNP_P1_99101_30129094	NC_021164.1	Ca_kabuli_chr05	30129094	CC	TT	1940338414
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SNP_P1_99105_30131107	NC_021164.1	Ca_kabuli_chr05	30131107	TT	GG	1940338417
SNP_P1_99106_30132470	NC_021164.1	Ca_kabuli_chr05	30132470	TT	CC	1940338419
SNP_P1_99107_30135399	NC_021164.1	Ca_kabuli_chr05	30135399	AA	GG	1940338421
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SNP_P1_99111_30147290	NC_021164.1	Ca_kabuli_chr05	30147290	TT	GG	1940338426
SNP_P1_99112_30148697	NC_021164.1	Ca_kabuli_chr05	30148697	CC	TT	1940338428
SNP_P1_99113_30205550	NC_021164.1	Ca_kabuli_chr05	30205550	CC	TT	1940338429
SNP_P1_99114_30234403	NC_021164.1	Ca_kabuli_chr05	30234403	AA	TT	1940338431
SNP_P1_99115_30240429	NC_021164.1	Ca_kabuli_chr05	30240429	CC	TT	1940338433
SNP_P1_99116_30280639	NC_021164.1	Ca_kabuli_chr05	30280639	GG	AA	1940338435
SNP_P1_99117_30290973	NC_021164.1	Ca_kabuli_chr05	30290973	TT	GG	1940338436
SNP_P1_99118_30295417	NC_021164.1	Ca_kabuli_chr05	30295417	GG	AA	1940338438
SNP_P1_99119_30305824	NC_021164.1	Ca_kabuli_chr05	30305824	GG	TT	1940338440
SNP_P1_99120_30327486	NC_021164.1	Ca_kabuli_chr05	30327486	CC	TT	1940338441
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SNP_P1_99123_30351185	NC_021164.1	Ca_kabuli_chr05	30351185	AA	CC	1940338445
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SNP_P1_99129_30396495	NC_021164.1	Ca_kabuli_chr05	30396495	AA	GG	1940338452
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SNP_P1_99131_30396821	NC_021164.1	Ca_kabuli_chr05	30396821	AA	TT	1940338455
SNP_P1_99132_30396955	NC_021164.1	Ca_kabuli_chr05	30396955	TT	CC	1940338457
SNP_P1_99133_30397101	NC_021164.1	Ca_kabuli_chr05	30397101	GG	TT	1940338459
SNP_P1_99134_30398522	NC_021164.1	Ca_kabuli_chr05	30398522	AA	TT	1940338460
SNP_P1_99135_30398537	NC_021164.1	Ca_kabuli_chr05	30398537	TT	AA	1940338462
SNP_P1_99136_30398972	NC_021164.1	Ca_kabuli_chr05	30398972	GG	AA	1940338464
SNP_P1_99139_30415511	NC_021164.1	Ca_kabuli_chr05	30415511	AA	CC	1940338466
SNP_P1_99141_30431522	NC_021164.1	Ca_kabuli_chr05	30431522	GG	AA	1940338467
SNP_P1_99142_30446524	NC_021164.1	Ca_kabuli_chr05	30446524	GG	AA	1940338469
SNP_P1_99143_30453603	NC_021164.1	Ca_kabuli_chr05	30453603	TT	CC	1940338471
SNP_P1_99144_30469339	NC_021164.1	Ca_kabuli_chr05	30469339	CC	TT	1940338473

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99148_30486556	NC_021164.1	Ca_kabuli_chr05	30486556	CC	TT	1940338478
SNP_P1_99149_30488194	NC_021164.1	Ca_kabuli_chr05	30488194	TT	GG	1940338479
SNP_P1_99150_30530954	NC_021164.1	Ca_kabuli_chr05	30530954	CC	AA	1940338481
SNP_P1_99151_30540100	NC_021164.1	Ca_kabuli_chr05	30540100	AA	TT	1940338483
SNP_P1_99153_30542079	NC_021164.1	Ca_kabuli_chr05	30542079	TT	CC	1940338485
SNP_P1_99154_30547556	NC_021164.1	Ca_kabuli_chr05	30547556	AA	TT	1940338486
SNP_P1_99155_30547557	NC_021164.1	Ca_kabuli_chr05	30547557	CC	TT	1940338488
SNP_P1_99156_30583680	NC_021164.1	Ca_kabuli_chr05	30583680	GG	TT	1940338490
SNP_P1_99157_30589828	NC_021164.1	Ca_kabuli_chr05	30589828	AA	TT	1940338491
SNP_P1_99158_30609808	NC_021164.1	Ca_kabuli_chr05	30609808	GG	AA	1940338493
SNP_P1_99159_30612404	NC_021164.1	Ca_kabuli_chr05	30612404	GG	AA	1940338495
SNP_P1_99162_30614560	NC_021164.1	Ca_kabuli_chr05	30614560	TT	CC	1940338497
SNP_P1_99163_30619976	NC_021164.1	Ca_kabuli_chr05	30619976	GG	AA	1940338498
SNP_P1_99164_30621409	NC_021164.1	Ca_kabuli_chr05	30621409	CC	TT	1940338500
SNP_P1_99165_30643231	NC_021164.1	Ca_kabuli_chr05	30643231	TT	GG	1940338502
SNP_P1_99166_30644437	NC_021164.1	Ca_kabuli_chr05	30644437	AA	TT	1940338504
SNP_P1_99167_30669337	NC_021164.1	Ca_kabuli_chr05	30669337	CC	TT	1940338505
SNP_P1_99168_30669343	NC_021164.1	Ca_kabuli_chr05	30669343	CC	TT	1940338507
SNP_P1_99169_30670011	NC_021164.1	Ca_kabuli_chr05	30670011	CC	TT	1940338509
SNP_P1_99170_30672490	NC_021164.1	Ca_kabuli_chr05	30672490	TT	AA	1940338510
SNP_P1_99172_30684876	NC_021164.1	Ca_kabuli_chr05	30684876	TT	CC	1940338512
SNP_P1_99173_30702094	NC_021164.1	Ca_kabuli_chr05	30702094	AA	GG	1940338514
SNP_P1_99174_30703102	NC_021164.1	Ca_kabuli_chr05	30703102	TT	AA	1940338516
SNP_P1_99175_30703360	NC_021164.1	Ca_kabuli_chr05	30703360	TT	CC	1940338517
SNP_P1_99176_30709934	NC_021164.1	Ca_kabuli_chr05	30709934	TT	AA	1940338519
SNP_P1_99177_30710575	NC_021164.1	Ca_kabuli_chr05	30710575	GG	AA	1940338521
SNP_P1_99179_30731120	NC_021164.1	Ca_kabuli_chr05	30731120	AA	TT	1940338523
SNP_P1_99180_30735988	NC_021164.1	Ca_kabuli_chr05	30735988	GG	AA	1940338524
SNP_P1_99181_30737668	NC_021164.1	Ca_kabuli_chr05	30737668	GG	TT	1940338526
SNP_P1_99182_30764928	NC_021164.1	Ca_kabuli_chr05	30764928	TT	AA	1940338528
SNP_P1_99183_30767299	NC_021164.1	Ca_kabuli_chr05	30767299	TT	AA	1940338529
SNP_P1_99185_30777712	NC_021164.1	Ca_kabuli_chr05	30777712	GG	AA	1940338531
SNP_P1_99186_30777735	NC_021164.1	Ca_kabuli_chr05	30777735	GG	AA	1940338533
SNP_P1_99187_30777867	NC_021164.1	Ca_kabuli_chr05	30777867	CC	TT	1940338535
SNP_P1_99188_30778230	NC_021164.1	Ca_kabuli_chr05	30778230	AA	GG	1940338536
SNP_P1_99189_30778666	NC_021164.1	Ca_kabuli_chr05	30778666	CC	TT	1940338538
SNP_P1_99190_30818525	NC_021164.1	Ca_kabuli_chr05	30818525	AA	CC	1940338540
SNP_P1_99193_30825438	NC_021164.1	Ca_kabuli_chr05	30825438	AA	GG	1940338541
SNP_P1_99194_30825439	NC_021164.1	Ca_kabuli_chr05	30825439	TT	CC	1940338543
SNP_P1_99195_30825778	NC_021164.1	Ca_kabuli_chr05	30825778	CC	TT	1940338545

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99197_30825850	NC_021164.1	Ca_kabuli_chr05	30825850	GG	AA	1940338548
SNP_P1_99198_30826684	NC_021164.1	Ca_kabuli_chr05	30826684	CC	AA	1940338550
SNP_P1_99199_30826695	NC_021164.1	Ca_kabuli_chr05	30826695	TT	AA	1940338552
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SNP_P1_99202_30828199	NC_021164.1	Ca_kabuli_chr05	30828199	AA	GG	1940338557
SNP_P1_99203_30828202	NC_021164.1	Ca_kabuli_chr05	30828202	TT	CC	1940338559
SNP_P1_99204_30828209	NC_021164.1	Ca_kabuli_chr05	30828209	GG	AA	1940338560
SNP_P1_99205_30828276	NC_021164.1	Ca_kabuli_chr05	30828276	AA	GG	1940338562
SNP_P1_99206_30828536	NC_021164.1	Ca_kabuli_chr05	30828536	GG	AA	1940338564
SNP_P1_99207_30828680	NC_021164.1	Ca_kabuli_chr05	30828680	TT	CC	1940338566
SNP_P1_99210_30829996	NC_021164.1	Ca_kabuli_chr05	30829996	GG	CC	1940338567
SNP_P1_99211_30830020	NC_021164.1	Ca_kabuli_chr05	30830020	GG	AA	1940338569
SNP_P1_99212_30830084	NC_021164.1	Ca_kabuli_chr05	30830084	AA	TT	1940338571
SNP_P1_99213_30830483	NC_021164.1	Ca_kabuli_chr05	30830483	TT	GG	1940338573
SNP_P1_99214_30830895	NC_021164.1	Ca_kabuli_chr05	30830895	CC	TT	1940338574
SNP_P1_99215_30830957	NC_021164.1	Ca_kabuli_chr05	30830957	TT	CC	1940338576
SNP_P1_99216_30831066	NC_021164.1	Ca_kabuli_chr05	30831066	TT	AA	1940338578
SNP_P1_99217_30831087	NC_021164.1	Ca_kabuli_chr05	30831087	CC	TT	1940338579
SNP_P1_99218_30831121	NC_021164.1	Ca_kabuli_chr05	30831121	AA	GG	1940338581
SNP_P1_99219_30831128	NC_021164.1	Ca_kabuli_chr05	30831128	AA	GG	1940338583
SNP_P1_99220_30831134	NC_021164.1	Ca_kabuli_chr05	30831134	AA	GG	1940338585
SNP_P1_99221_30831142	NC_021164.1	Ca_kabuli_chr05	30831142	GG	AA	1940338586
SNP_P1_99222_30831308	NC_021164.1	Ca_kabuli_chr05	30831308	CC	AA	1940338588
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SNP_P1_99225_30834164	NC_021164.1	Ca_kabuli_chr05	30834164	AA	TT	1940338593
SNP_P1_99226_30834346	NC_021164.1	Ca_kabuli_chr05	30834346	GG	AA	1940338595
SNP_P1_99227_30834929	NC_021164.1	Ca_kabuli_chr05	30834929	AA	GG	1940338597
SNP_P1_99228_30834972	NC_021164.1	Ca_kabuli_chr05	30834972	TT	CC	1940338598
SNP_P1_99229_30835037	NC_021164.1	Ca_kabuli_chr05	30835037	CC	TT	1940338600
SNP_P1_99230_30835181	NC_021164.1	Ca_kabuli_chr05	30835181	TT	CC	1940338602
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SNP_P1_99232_30835201	NC_021164.1	Ca_kabuli_chr05	30835201	AA	GG	1940338605
SNP_P1_99234_30836003	NC_021164.1	Ca_kabuli_chr05	30836003	CC	AA	1940338607
SNP_P1_99235_30836054	NC_021164.1	Ca_kabuli_chr05	30836054	AA	GG	1940338609
SNP_P1_99236_30836159	NC_021164.1	Ca_kabuli_chr05	30836159	TT	CC	1940338611
SNP_P1_99237_30836757	NC_021164.1	Ca_kabuli_chr05	30836757	AA	GG	1940338612
SNP_P1_99238_30837244	NC_021164.1	Ca_kabuli_chr05	30837244	TT	CC	1940338614
SNP_P1_99239_30837570	NC_021164.1	Ca_kabuli_chr05	30837570	TT	CC	1940338616
SNP_P1_99240_30837707	NC_021164.1	Ca_kabuli_chr05	30837707	AA	TT	1940338617

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99242_30838107	NC_021164.1	Ca_kabuli_chr05	30838107	CC	GG	1940338621
SNP_P1_99243_30838205	NC_021164.1	Ca_kabuli_chr05	30838205	GG	AA	1940338623
SNP_P1_99244_30838564	NC_021164.1	Ca_kabuli_chr05	30838564	TT	AA	1940338624
SNP_P1_99245_30838630	NC_021164.1	Ca_kabuli_chr05	30838630	GG	AA	1940338626
SNP_P1_99246_30838680	NC_021164.1	Ca_kabuli_chr05	30838680	GG	AA	1940338628
SNP_P1_99247_30838926	NC_021164.1	Ca_kabuli_chr05	30838926	CC	GG	1940338630
SNP_P1_99248_30839184	NC_021164.1	Ca_kabuli_chr05	30839184	CC	TT	1940338631
SNP_P1_99249_30839593	NC_021164.1	Ca_kabuli_chr05	30839593	AA	CC	1940338633
SNP_P1_99250_30839793	NC_021164.1	Ca_kabuli_chr05	30839793	AA	TT	1940338635
SNP_P1_99251_30840137	NC_021164.1	Ca_kabuli_chr05	30840137	AA	GG	1940338636
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SNP_P1_99253_30840963	NC_021164.1	Ca_kabuli_chr05	30840963	CC	AA	1940338640
SNP_P1_99254_30840967	NC_021164.1	Ca_kabuli_chr05	30840967	CC	TT	1940338642
SNP_P1_99255_30840996	NC_021164.1	Ca_kabuli_chr05	30840996	CC	TT	1940338643
SNP_P1_99257_30841174	NC_021164.1	Ca_kabuli_chr05	30841174	TT	CC	1940338645
SNP_P1_99258_30841184	NC_021164.1	Ca_kabuli_chr05	30841184	TT	AA	1940338647
SNP_P1_99259_30841368	NC_021164.1	Ca_kabuli_chr05	30841368	AA	GG	1940338649
SNP_P1_99260_30841605	NC_021164.1	Ca_kabuli_chr05	30841605	CC	TT	1940338650
SNP_P1_99261_30841614	NC_021164.1	Ca_kabuli_chr05	30841614	TT	AA	1940338652
SNP_P1_99262_30841679	NC_021164.1	Ca_kabuli_chr05	30841679	TT	AA	1940338654
SNP_P1_99263_30841706	NC_021164.1	Ca_kabuli_chr05	30841706	AA	TT	1940338656
SNP_P1_99264_30841771	NC_021164.1	Ca_kabuli_chr05	30841771	GG	TT	1940338657
SNP_P1_99265_30841783	NC_021164.1	Ca_kabuli_chr05	30841783	TT	CC	1940338659
SNP_P1_99266_30843545	NC_021164.1	Ca_kabuli_chr05	30843545	TT	CC	1940338661
SNP_P1_99267_30843802	NC_021164.1	Ca_kabuli_chr05	30843802	CC	GG	1940338662
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SNP_P1_99269_30844742	NC_021164.1	Ca_kabuli_chr05	30844742	GG	TT	1940338666
SNP_P1_99270_30844924	NC_021164.1	Ca_kabuli_chr05	30844924	TT	CC	1940338668
SNP_P1_99271_30845161	NC_021164.1	Ca_kabuli_chr05	30845161	TT	CC	1940338669
SNP_P1_99272_30845183	NC_021164.1	Ca_kabuli_chr05	30845183	GG	CC	1940338671
SNP_P1_99274_30846382	NC_021164.1	Ca_kabuli_chr05	30846382	AA	TT	1940338673
SNP_P1_99275_30846407	NC_021164.1	Ca_kabuli_chr05	30846407	CC	TT	1940338674
SNP_P1_99276_30846411	NC_021164.1	Ca_kabuli_chr05	30846411	CC	TT	1940338676
SNP_P1_99277_30846553	NC_021164.1	Ca_kabuli_chr05	30846553	TT	GG	1940338678
SNP_P1_99278_30847474	NC_021164.1	Ca_kabuli_chr05	30847474	CC	AA	1940338680
SNP_P1_99279_30847561	NC_021164.1	Ca_kabuli_chr05	30847561	GG	CC	1940338681
SNP_P1_99280_30847690	NC_021164.1	Ca_kabuli_chr05	30847690	TT	CC	1940338683
SNP_P1_99281_30849221	NC_021164.1	Ca_kabuli_chr05	30849221	GG	AA	1940338685
SNP_P1_99282_30849509	NC_021164.1	Ca_kabuli_chr05	30849509	AA	TT	1940338687
SNP_P1_99283_30849575	NC_021164.1	Ca_kabuli_chr05	30849575	CC	AA	1940338688
SNP_P1_99284_30849915	NC_021164.1	Ca_kabuli_chr05	30849915	AA	CC	1940338690

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99287_30849947	NC_021164.1	Ca_kabuli_chr05	30849947	CC	TT	1940338695
SNP_P1_99288_30849953	NC_021164.1	Ca_kabuli_chr05	30849953	TT	GG	1940338697
SNP_P1_99289_30850078	NC_021164.1	Ca_kabuli_chr05	30850078	AA	GG	1940338699
SNP_P1_99290_30850113	NC_021164.1	Ca_kabuli_chr05	30850113	AA	GG	1940338700
SNP_P1_99291_30850742	NC_021164.1	Ca_kabuli_chr05	30850742	AA	GG	1940338702
SNP_P1_99292_30851075	NC_021164.1	Ca_kabuli_chr05	30851075	GG	AA	1940338704
SNP_P1_99293_30851076	NC_021164.1	Ca_kabuli_chr05	30851076	TT	CC	1940338705
SNP_P1_99294_30851087	NC_021164.1	Ca_kabuli_chr05	30851087	TT	CC	1940338707
SNP_P1_99295_30852249	NC_021164.1	Ca_kabuli_chr05	30852249	GG	CC	1940338709
SNP_P1_99297_30853152	NC_021164.1	Ca_kabuli_chr05	30853152	TT	CC	1940338711
SNP_P1_99298_30855414	NC_021164.1	Ca_kabuli_chr05	30855414	GG	AA	1940338712
SNP_P1_99299_30857579	NC_021164.1	Ca_kabuli_chr05	30857579	TT	GG	1940338714
SNP_P1_99300_30857887	NC_021164.1	Ca_kabuli_chr05	30857887	GG	TT	1940338716
SNP_P1_99301_30858932	NC_021164.1	Ca_kabuli_chr05	30858932	AA	CC	1940338718
SNP_P1_99302_30858980	NC_021164.1	Ca_kabuli_chr05	30858980	TT	CC	1940338719
SNP_P1_99304_30859118	NC_021164.1	Ca_kabuli_chr05	30859118	CC	TT	1940338721
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SNP_P1_99306_30859189	NC_021164.1	Ca_kabuli_chr05	30859189	TT	CC	1940338724
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SNP_P1_99309_30859347	NC_021164.1	Ca_kabuli_chr05	30859347	TT	GG	1940338730
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SNP_P1_99314_30860486	NC_021164.1	Ca_kabuli_chr05	30860486	GG	AA	1940338738
SNP_P1_99317_30860804	NC_021164.1	Ca_kabuli_chr05	30860804	CC	TT	1940338740
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SNP_P1_99319_30861065	NC_021164.1	Ca_kabuli_chr05	30861065	AA	TT	1940338743
SNP_P1_99320_30861079	NC_021164.1	Ca_kabuli_chr05	30861079	TT	CC	1940338745
SNP_P1_99322_30864200	NC_021164.1	Ca_kabuli_chr05	30864200	AA	TT	1940338747
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SNP_P1_99325_30866228	NC_021164.1	Ca_kabuli_chr05	30866228	CC	TT	1940338750
SNP_P1_99326_30866323	NC_021164.1	Ca_kabuli_chr05	30866323	AA	GG	1940338752
SNP_P1_99327_30867280	NC_021164.1	Ca_kabuli_chr05	30867280	GG	AA	1940338754
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SNP_P1_99329_30867782	NC_021164.1	Ca_kabuli_chr05	30867782	TT	GG	1940338757
SNP_P1_99330_30867815	NC_021164.1	Ca_kabuli_chr05	30867815	AA	TT	1940338759
SNP_P1_99331_30868109	NC_021164.1	Ca_kabuli_chr05	30868109	CC	TT	1940338761
SNP_P1_99333_30869161	NC_021164.1	Ca_kabuli_chr05	30869161	GG	AA	1940338762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99336_30872826	NC_021164.1	Ca_kabuli_chr05	30872826	GG	AA	1940338767
SNP_P1_99337_30872831	NC_021164.1	Ca_kabuli_chr05	30872831	TT	GG	1940338769
SNP_P1_99338_30872890	NC_021164.1	Ca_kabuli_chr05	30872890	GG	CC	1940338771
SNP_P1_99339_30872898	NC_021164.1	Ca_kabuli_chr05	30872898	CC	AA	1940338773
SNP_P1_99340_30873053	NC_021164.1	Ca_kabuli_chr05	30873053	AA	GG	1940338774
SNP_P1_99341_30873076	NC_021164.1	Ca_kabuli_chr05	30873076	AA	TT	1940338776
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SNP_P1_99344_30873377	NC_021164.1	Ca_kabuli_chr05	30873377	AA	TT	1940338781
SNP_P1_99345_30873760	NC_021164.1	Ca_kabuli_chr05	30873760	TT	CC	1940338783
SNP_P1_99346_30874279	NC_021164.1	Ca_kabuli_chr05	30874279	AA	TT	1940338785
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SNP_P1_99349_30875927	NC_021164.1	Ca_kabuli_chr05	30875927	AA	TT	1940338788
SNP_P1_99350_30876254	NC_021164.1	Ca_kabuli_chr05	30876254	GG	TT	1940338790
SNP_P1_99351_30876277	NC_021164.1	Ca_kabuli_chr05	30876277	CC	AA	1940338792
SNP_P1_99352_30876596	NC_021164.1	Ca_kabuli_chr05	30876596	CC	TT	1940338793
SNP_P1_99353_30876599	NC_021164.1	Ca_kabuli_chr05	30876599	GG	AA	1940338795
SNP_P1_99354_30876882	NC_021164.1	Ca_kabuli_chr05	30876882	TT	AA	1940338797
SNP_P1_99355_30876986	NC_021164.1	Ca_kabuli_chr05	30876986	CC	AA	1940338798
SNP_P1_99356_30877889	NC_021164.1	Ca_kabuli_chr05	30877889	CC	TT	1940338800
SNP_P1_99357_30878237	NC_021164.1	Ca_kabuli_chr05	30878237	TT	GG	1940338802
SNP_P1_99358_30879478	NC_021164.1	Ca_kabuli_chr05	30879478	TT	CC	1940338804
SNP_P1_99359_30879537	NC_021164.1	Ca_kabuli_chr05	30879537	GG	AA	1940338805
SNP_P1_99360_30879636	NC_021164.1	Ca_kabuli_chr05	30879636	AA	TT	1940338807
SNP_P1_99361_30881392	NC_021164.1	Ca_kabuli_chr05	30881392	AA	GG	1940338809
SNP_P1_99362_30881412	NC_021164.1	Ca_kabuli_chr05	30881412	GG	TT	1940338810
SNP_P1_99363_30881485	NC_021164.1	Ca_kabuli_chr05	30881485	GG	AA	1940338812
SNP_P1_99364_30882240	NC_021164.1	Ca_kabuli_chr05	30882240	TT	CC	1940338814
SNP_P1_99365_30882317	NC_021164.1	Ca_kabuli_chr05	30882317	GG	AA	1940338816
SNP_P1_99366_30882639	NC_021164.1	Ca_kabuli_chr05	30882639	AA	CC	1940338817
SNP_P1_99367_30882667	NC_021164.1	Ca_kabuli_chr05	30882667	AA	GG	1940338819
SNP_P1_99368_30882719	NC_021164.1	Ca_kabuli_chr05	30882719	GG	AA	1940338821
SNP_P1_99369_30882722	NC_021164.1	Ca_kabuli_chr05	30882722	CC	AA	1940338823
SNP_P1_99370_30883811	NC_021164.1	Ca_kabuli_chr05	30883811	CC	TT	1940338824
SNP_P1_99372_30885546	NC_021164.1	Ca_kabuli_chr05	30885546	TT	CC	1940338826
SNP_P1_99373_30886160	NC_021164.1	Ca_kabuli_chr05	30886160	GG	CC	1940338828
SNP_P1_99375_30886462	NC_021164.1	Ca_kabuli_chr05	30886462	GG	AA	1940338829
SNP_P1_99376_30886473	NC_021164.1	Ca_kabuli_chr05	30886473	GG	AA	1940338831
SNP_P1_99377_30886483	NC_021164.1	Ca_kabuli_chr05	30886483	GG	TT	1940338833
SNP_P1_99378_30886519	NC_021164.1	Ca_kabuli_chr05	30886519	CC	TT	1940338835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99380_30888611	NC_021164.1	Ca_kabuli_chr05	30888611	TT	CC	1940338838
SNP_P1_99381_30888742	NC_021164.1	Ca_kabuli_chr05	30888742	AA	GG	1940338840
SNP_P1_99382_30888794	NC_021164.1	Ca_kabuli_chr05	30888794	TT	GG	1940338841
SNP_P1_99383_30889089	NC_021164.1	Ca_kabuli_chr05	30889089	AA	TT	1940338843
SNP_P1_99384_30890285	NC_021164.1	Ca_kabuli_chr05	30890285	CC	AA	1940338845
SNP_P1_99385_30890627	NC_021164.1	Ca_kabuli_chr05	30890627	AA	GG	1940338847
SNP_P1_99386_30890643	NC_021164.1	Ca_kabuli_chr05	30890643	GG	CC	1940338848
SNP_P1_99387_30891078	NC_021164.1	Ca_kabuli_chr05	30891078	TT	CC	1940338850
SNP_P1_99388_30892589	NC_021164.1	Ca_kabuli_chr05	30892589	GG	CC	1940338852
SNP_P1_99390_30896693	NC_021164.1	Ca_kabuli_chr05	30896693	AA	CC	1940338854
SNP_P1_99391_30896801	NC_021164.1	Ca_kabuli_chr05	30896801	CC	TT	1940338855
SNP_P1_99392_30897784	NC_021164.1	Ca_kabuli_chr05	30897784	GG	CC	1940338857
SNP_P1_99393_30897809	NC_021164.1	Ca_kabuli_chr05	30897809	AA	GG	1940338859
SNP_P1_99394_30897918	NC_021164.1	Ca_kabuli_chr05	30897918	CC	GG	1940338860
SNP_P1_99395_30897967	NC_021164.1	Ca_kabuli_chr05	30897967	CC	GG	1940338862
SNP_P1_99396_30897982	NC_021164.1	Ca_kabuli_chr05	30897982	CC	AA	1940338864
SNP_P1_99397_30898031	NC_021164.1	Ca_kabuli_chr05	30898031	GG	CC	1940338866
SNP_P1_99398_30898128	NC_021164.1	Ca_kabuli_chr05	30898128	GG	AA	1940338867
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SNP_P1_99400_30898272	NC_021164.1	Ca_kabuli_chr05	30898272	GG	AA	1940338871
SNP_P1_99401_30898368	NC_021164.1	Ca_kabuli_chr05	30898368	GG	TT	1940338872
SNP_P1_99402_30898395	NC_021164.1	Ca_kabuli_chr05	30898395	GG	TT	1940338874
SNP_P1_99403_30898839	NC_021164.1	Ca_kabuli_chr05	30898839	TT	CC	1940338876
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SNP_P1_99407_30899468	NC_021164.1	Ca_kabuli_chr05	30899468	TT	AA	1940338881
SNP_P1_99408_30899498	NC_021164.1	Ca_kabuli_chr05	30899498	AA	CC	1940338883
SNP_P1_99410_30900804	NC_021164.1	Ca_kabuli_chr05	30900804	TT	CC	1940338884
SNP_P1_99411_30900965	NC_021164.1	Ca_kabuli_chr05	30900965	GG	CC	1940338886
SNP_P1_99412_30903425	NC_021164.1	Ca_kabuli_chr05	30903425	CC	TT	1940338888
SNP_P1_99413_30904770	NC_021164.1	Ca_kabuli_chr05	30904770	AA	GG	1940338890
SNP_P1_99414_30904913	NC_021164.1	Ca_kabuli_chr05	30904913	CC	TT	1940338891
SNP_P1_99415_30904953	NC_021164.1	Ca_kabuli_chr05	30904953	TT	CC	1940338893
SNP_P1_99416_30904983	NC_021164.1	Ca_kabuli_chr05	30904983	TT	CC	1940338895
SNP_P1_99417_30905239	NC_021164.1	Ca_kabuli_chr05	30905239	GG	AA	1940338897
SNP_P1_99418_30905298	NC_021164.1	Ca_kabuli_chr05	30905298	CC	TT	1940338898
SNP_P1_99419_30905514	NC_021164.1	Ca_kabuli_chr05	30905514	GG	AA	1940338900
SNP_P1_99420_30906391	NC_021164.1	Ca_kabuli_chr05	30906391	TT	CC	1940338902
SNP_P1_99421_30906857	NC_021164.1	Ca_kabuli_chr05	30906857	AA	GG	1940338903
SNP_P1_99422_30906869	NC_021164.1	Ca_kabuli_chr05	30906869	AA	GG	1940338905
SNP_P1_99423_30906876	NC_021164.1	Ca_kabuli_chr05	30906876	CC	TT	1940338907

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99425_30907076	NC_021164.1	Ca_kabuli_chr05	30907076	GG	TT	1940338910
SNP_P1_99426_30907129	NC_021164.1	Ca_kabuli_chr05	30907129	CC	TT	1940338912
SNP_P1_99427_30907425	NC_021164.1	Ca_kabuli_chr05	30907425	AA	GG	1940338914
SNP_P1_99428_30907593	NC_021164.1	Ca_kabuli_chr05	30907593	TT	CC	1940338915
SNP_P1_99429_30907634	NC_021164.1	Ca_kabuli_chr05	30907634	CC	TT	1940338917
SNP_P1_99430_30907963	NC_021164.1	Ca_kabuli_chr05	30907963	AA	GG	1940338919
SNP_P1_99431_30908007	NC_021164.1	Ca_kabuli_chr05	30908007	CC	AA	1940338921
SNP_P1_99432_30909282	NC_021164.1	Ca_kabuli_chr05	30909282	CC	TT	1940338922
SNP_P1_99433_30909284	NC_021164.1	Ca_kabuli_chr05	30909284	AA	GG	1940338924
SNP_P1_99434_30909412	NC_021164.1	Ca_kabuli_chr05	30909412	TT	CC	1940338926
SNP_P1_99435_30910428	NC_021164.1	Ca_kabuli_chr05	30910428	TT	GG	1940338928
SNP_P1_99436_30910476	NC_021164.1	Ca_kabuli_chr05	30910476	AA	GG	1940338929
SNP_P1_99437_30912129	NC_021164.1	Ca_kabuli_chr05	30912129	CC	GG	1940338931
SNP_P1_99438_30912231	NC_021164.1	Ca_kabuli_chr05	30912231	TT	AA	1940338933
SNP_P1_99439_30912259	NC_021164.1	Ca_kabuli_chr05	30912259	CC	TT	1940338934
SNP_P1_99440_30912263	NC_021164.1	Ca_kabuli_chr05	30912263	GG	AA	1940338936
SNP_P1_99441_30912299	NC_021164.1	Ca_kabuli_chr05	30912299	GG	AA	1940338938
SNP_P1_99442_30912300	NC_021164.1	Ca_kabuli_chr05	30912300	AA	TT	1940338940
SNP_P1_99443_30912448	NC_021164.1	Ca_kabuli_chr05	30912448	CC	TT	1940338941
SNP_P1_99444_30912620	NC_021164.1	Ca_kabuli_chr05	30912620	CC	TT	1940338943
SNP_P1_99445_30913803	NC_021164.1	Ca_kabuli_chr05	30913803	GG	AA	1940338945
SNP_P1_99446_30913834	NC_021164.1	Ca_kabuli_chr05	30913834	GG	CC	1940338946
SNP_P1_99447_30913835	NC_021164.1	Ca_kabuli_chr05	30913835	TT	AA	1940338948
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SNP_P1_99449_30914148	NC_021164.1	Ca_kabuli_chr05	30914148	GG	TT	1940338952
SNP_P1_99450_30914259	NC_021164.1	Ca_kabuli_chr05	30914259	GG	AA	1940338953
SNP_P1_99451_30914279	NC_021164.1	Ca_kabuli_chr05	30914279	TT	CC	1940338955
SNP_P1_99452_30914292	NC_021164.1	Ca_kabuli_chr05	30914292	CC	TT	1940338957
SNP_P1_99453_30914435	NC_021164.1	Ca_kabuli_chr05	30914435	GG	AA	1940338959
SNP_P1_99454_30914473	NC_021164.1	Ca_kabuli_chr05	30914473	TT	CC	1940338960
SNP_P1_99455_30914481	NC_021164.1	Ca_kabuli_chr05	30914481	TT	GG	1940338962
SNP_P1_99456_30914502	NC_021164.1	Ca_kabuli_chr05	30914502	CC	TT	1940338964
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SNP_P1_99458_30915117	NC_021164.1	Ca_kabuli_chr05	30915117	CC	AA	1940338967
SNP_P1_99459_30915418	NC_021164.1	Ca_kabuli_chr05	30915418	TT	CC	1940338969
SNP_P1_99460_30915446	NC_021164.1	Ca_kabuli_chr05	30915446	AA	TT	1940338971
SNP_P1_99462_30917017	NC_021164.1	Ca_kabuli_chr05	30917017	GG	AA	1940338972
SNP_P1_99463_30917030	NC_021164.1	Ca_kabuli_chr05	30917030	CC	TT	1940338974
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SNP_P1_99467_30917168	NC_021164.1	Ca_kabuli_chr05	30917168	TT	AA	1940338977
SNP_P1_99468_30917174	NC_021164.1	Ca_kabuli_chr05	30917174	AA	GG	1940338979

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99471_30917397	NC_021164.1	Ca_kabuli_chr05	30917397	AA	TT	1940338984
SNP_P1_99472_30917415	NC_021164.1	Ca_kabuli_chr05	30917415	TT	AA	1940338986
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SNP_P1_99476_30917540	NC_021164.1	Ca_kabuli_chr05	30917540	AA	GG	1940338989
SNP_P1_99477_30918114	NC_021164.1	Ca_kabuli_chr05	30918114	AA	TT	1940338991
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SNP_P1_99479_30919794	NC_021164.1	Ca_kabuli_chr05	30919794	CC	AA	1940338995
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SNP_P1_99485_30925958	NC_021164.1	Ca_kabuli_chr05	30925958	CC	TT	1940339005
SNP_P1_99486_30925966	NC_021164.1	Ca_kabuli_chr05	30925966	CC	GG	1940339007
SNP_P1_99487_30925981	NC_021164.1	Ca_kabuli_chr05	30925981	TT	AA	1940339008
SNP_P1_99488_30926275	NC_021164.1	Ca_kabuli_chr05	30926275	GG	CC	1940339010
SNP_P1_99489_30926473	NC_021164.1	Ca_kabuli_chr05	30926473	GG	CC	1940339012
SNP_P1_99491_30927417	NC_021164.1	Ca_kabuli_chr05	30927417	CC	TT	1940339014
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SNP_P1_99495_30927914	NC_021164.1	Ca_kabuli_chr05	30927914	AA	GG	1940339020
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SNP_P1_99499_30928221	NC_021164.1	Ca_kabuli_chr05	30928221	TT	CC	1940339027
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SNP_P1_99501_30928243	NC_021164.1	Ca_kabuli_chr05	30928243	GG	AA	1940339031
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SNP_P1_99503_30930442	NC_021164.1	Ca_kabuli_chr05	30930442	TT	GG	1940339034
SNP_P1_99504_30930449	NC_021164.1	Ca_kabuli_chr05	30930449	AA	GG	1940339036
SNP_P1_99505_30930456	NC_021164.1	Ca_kabuli_chr05	30930456	GG	AA	1940339038
SNP_P1_99506_30931393	NC_021164.1	Ca_kabuli_chr05	30931393	TT	GG	1940339039
SNP_P1_99507_30932186	NC_021164.1	Ca_kabuli_chr05	30932186	CC	TT	1940339041
SNP_P1_99508_30933247	NC_021164.1	Ca_kabuli_chr05	30933247	GG	TT	1940339043
SNP_P1_99509_30933277	NC_021164.1	Ca_kabuli_chr05	30933277	CC	AA	1940339045
SNP_P1_99510_30934043	NC_021164.1	Ca_kabuli_chr05	30934043	TT	GG	1940339046
SNP_P1_99512_30935504	NC_021164.1	Ca_kabuli_chr05	30935504	AA	CC	1940339048
SNP_P1_99513_30935749	NC_021164.1	Ca_kabuli_chr05	30935749	AA	TT	1940339050
SNP_P1_99514_30935754	NC_021164.1	Ca_kabuli_chr05	30935754	CC	TT	1940339051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99518_30938887	NC_021164.1	Ca_kabuli_chr05	30938887	AA	CC	1940339057
SNP_P1_99519_30938961	NC_021164.1	Ca_kabuli_chr05	30938961	CC	TT	1940339058
SNP_P1_99520_30939569	NC_021164.1	Ca_kabuli_chr05	30939569	GG	TT	1940339060
SNP_P1_99521_30940054	NC_021164.1	Ca_kabuli_chr05	30940054	GG	AA	1940339062
SNP_P1_99522_30940133	NC_021164.1	Ca_kabuli_chr05	30940133	GG	AA	1940339064
SNP_P1_99523_30940153	NC_021164.1	Ca_kabuli_chr05	30940153	GG	TT	1940339065
SNP_P1_99524_30940156	NC_021164.1	Ca_kabuli_chr05	30940156	AA	GG	1940339067
SNP_P1_99525_30940316	NC_021164.1	Ca_kabuli_chr05	30940316	TT	CC	1940339069
SNP_P1_99526_30940335	NC_021164.1	Ca_kabuli_chr05	30940335	AA	GG	1940339070
SNP_P1_99527_30940340	NC_021164.1	Ca_kabuli_chr05	30940340	CC	TT	1940339072
SNP_P1_99528_30941350	NC_021164.1	Ca_kabuli_chr05	30941350	CC	TT	1940339074
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SNP_P1_99530_30942090	NC_021164.1	Ca_kabuli_chr05	30942090	AA	GG	1940339077
SNP_P1_99531_30942174	NC_021164.1	Ca_kabuli_chr05	30942174	CC	TT	1940339079
SNP_P1_99532_30942219	NC_021164.1	Ca_kabuli_chr05	30942219	CC	TT	1940339081
SNP_P1_99533_30942259	NC_021164.1	Ca_kabuli_chr05	30942259	TT	CC	1940339082
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SNP_P1_99537_30944713	NC_021164.1	Ca_kabuli_chr05	30944713	CC	TT	1940339089
SNP_P1_99538_30944717	NC_021164.1	Ca_kabuli_chr05	30944717	GG	AA	1940339091
SNP_P1_99539_30944729	NC_021164.1	Ca_kabuli_chr05	30944729	AA	TT	1940339093
SNP_P1_99540_30944749	NC_021164.1	Ca_kabuli_chr05	30944749	GG	AA	1940339094
SNP_P1_99541_30944916	NC_021164.1	Ca_kabuli_chr05	30944916	TT	GG	1940339096
SNP_P1_99542_30945284	NC_021164.1	Ca_kabuli_chr05	30945284	TT	CC	1940339098
SNP_P1_99543_30945460	NC_021164.1	Ca_kabuli_chr05	30945460	CC	GG	1940339100
SNP_P1_99544_30945489	NC_021164.1	Ca_kabuli_chr05	30945489	AA	GG	1940339101
SNP_P1_99545_30945793	NC_021164.1	Ca_kabuli_chr05	30945793	TT	CC	1940339103
SNP_P1_99546_30947140	NC_021164.1	Ca_kabuli_chr05	30947140	GG	CC	1940339105
SNP_P1_99547_30947408	NC_021164.1	Ca_kabuli_chr05	30947408	TT	AA	1940339107
SNP_P1_99548_30947566	NC_021164.1	Ca_kabuli_chr05	30947566	TT	CC	1940339108
SNP_P1_99550_30948240	NC_021164.1	Ca_kabuli_chr05	30948240	TT	GG	1940339110
SNP_P1_99551_30948276	NC_021164.1	Ca_kabuli_chr05	30948276	TT	GG	1940339112
SNP_P1_99553_30948494	NC_021164.1	Ca_kabuli_chr05	30948494	CC	GG	1940339113
SNP_P1_99554_30948533	NC_021164.1	Ca_kabuli_chr05	30948533	GG	AA	1940339115
SNP_P1_99555_30948535	NC_021164.1	Ca_kabuli_chr05	30948535	TT	GG	1940339117
SNP_P1_99556_30948674	NC_021164.1	Ca_kabuli_chr05	30948674	GG	AA	1940339119
SNP_P1_99557_30948677	NC_021164.1	Ca_kabuli_chr05	30948677	GG	CC	1940339120
SNP_P1_99559_30949006	NC_021164.1	Ca_kabuli_chr05	30949006	CC	AA	1940339122
SNP_P1_99560_30949060	NC_021164.1	Ca_kabuli_chr05	30949060	AA	GG	1940339124

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99562_30949384	NC_021164.1	Ca_kabuli_chr05	30949384	GG	AA	1940339127
SNP_P1_99563_30949450	NC_021164.1	Ca_kabuli_chr05	30949450	TT	AA	1940339129
SNP_P1_99565_30950115	NC_021164.1	Ca_kabuli_chr05	30950115	GG	AA	1940339131
SNP_P1_99566_30950281	NC_021164.1	Ca_kabuli_chr05	30950281	AA	TT	1940339132
SNP_P1_99567_30950291	NC_021164.1	Ca_kabuli_chr05	30950291	CC	AA	1940339134
SNP_P1_99569_30950500	NC_021164.1	Ca_kabuli_chr05	30950500	AA	TT	1940339136
SNP_P1_99570_30950551	NC_021164.1	Ca_kabuli_chr05	30950551	TT	AA	1940339138
SNP_P1_99571_30953054	NC_021164.1	Ca_kabuli_chr05	30953054	AA	GG	1940339139
SNP_P1_99572_30953102	NC_021164.1	Ca_kabuli_chr05	30953102	GG	AA	1940339141
SNP_P1_99573_30953432	NC_021164.1	Ca_kabuli_chr05	30953432	CC	TT	1940339143
SNP_P1_99574_30953433	NC_021164.1	Ca_kabuli_chr05	30953433	TT	AA	1940339144
SNP_P1_99576_30954390	NC_021164.1	Ca_kabuli_chr05	30954390	CC	TT	1940339146
SNP_P1_99577_30954926	NC_021164.1	Ca_kabuli_chr05	30954926	GG	AA	1940339148
SNP_P1_99578_30956668	NC_021164.1	Ca_kabuli_chr05	30956668	GG	AA	1940339150
SNP_P1_99579_30956989	NC_021164.1	Ca_kabuli_chr05	30956989	CC	TT	1940339151
SNP_P1_99580_30958709	NC_021164.1	Ca_kabuli_chr05	30958709	AA	GG	1940339153
SNP_P1_99581_30958766	NC_021164.1	Ca_kabuli_chr05	30958766	TT	CC	1940339155
SNP_P1_99584_30960669	NC_021164.1	Ca_kabuli_chr05	30960669	TT	GG	1940339156
SNP_P1_99585_30960673	NC_021164.1	Ca_kabuli_chr05	30960673	TT	AA	1940339158
SNP_P1_99586_30960716	NC_021164.1	Ca_kabuli_chr05	30960716	AA	GG	1940339160
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SNP_P1_99590_30961637	NC_021164.1	Ca_kabuli_chr05	30961637	CC	GG	1940339165
SNP_P1_99591_30961648	NC_021164.1	Ca_kabuli_chr05	30961648	TT	AA	1940339167
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SNP_P1_99598_30970426	NC_021164.1	Ca_kabuli_chr05	30970426	GG	AA	1940339177
SNP_P1_99599_30971483	NC_021164.1	Ca_kabuli_chr05	30971483	GG	AA	1940339179
SNP_P1_99600_30972080	NC_021164.1	Ca_kabuli_chr05	30972080	CC	TT	1940339181
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SNP_P1_99602_30974291	NC_021164.1	Ca_kabuli_chr05	30974291	AA	GG	1940339184
SNP_P1_99603_30977105	NC_021164.1	Ca_kabuli_chr05	30977105	TT	CC	1940339186
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SNP_P1_99605_30981982	NC_021164.1	Ca_kabuli_chr05	30981982	AA	TT	1940339189
SNP_P1_99606_30981983	NC_021164.1	Ca_kabuli_chr05	30981983	GG	AA	1940339191
SNP_P1_99607_30985530	NC_021164.1	Ca_kabuli_chr05	30985530	GG	TT	1940339193
SNP_P1_99608_30986470	NC_021164.1	Ca_kabuli_chr05	30986470	AA	GG	1940339194
SNP_P1_99609_30986685	NC_021164.1	Ca_kabuli_chr05	30986685	CC	TT	1940339196

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99612_30986932	NC_021164.1	Ca_kabuli_chr05	30986932	AA	GG	1940339200
SNP_P1_99613_30987671	NC_021164.1	Ca_kabuli_chr05	30987671	TT	CC	1940339201
SNP_P1_99615_30988556	NC_021164.1	Ca_kabuli_chr05	30988556	GG	AA	1940339203
SNP_P1_99616_30988559	NC_021164.1	Ca_kabuli_chr05	30988559	CC	TT	1940339205
SNP_P1_99618_30992909	NC_021164.1	Ca_kabuli_chr05	30992909	GG	AA	1940339206
SNP_P1_99619_30994440	NC_021164.1	Ca_kabuli_chr05	30994440	GG	AA	1940339208
SNP_P1_99621_30997375	NC_021164.1	Ca_kabuli_chr05	30997375	TT	AA	1940339210
SNP_P1_99622_30997485	NC_021164.1	Ca_kabuli_chr05	30997485	GG	AA	1940339212
SNP_P1_99623_30998357	NC_021164.1	Ca_kabuli_chr05	30998357	TT	CC	1940339213
SNP_P1_99624_30998414	NC_021164.1	Ca_kabuli_chr05	30998414	TT	CC	1940339215
SNP_P1_99625_30998503	NC_021164.1	Ca_kabuli_chr05	30998503	GG	AA	1940339217
SNP_P1_99626_30998744	NC_021164.1	Ca_kabuli_chr05	30998744	CC	TT	1940339218
SNP_P1_99627_31000279	NC_021164.1	Ca_kabuli_chr05	31000279	TT	AA	1940339220
SNP_P1_99628_31000292	NC_021164.1	Ca_kabuli_chr05	31000292	TT	GG	1940339222
SNP_P1_99629_31000295	NC_021164.1	Ca_kabuli_chr05	31000295	GG	AA	1940339224
SNP_P1_99630_31000316	NC_021164.1	Ca_kabuli_chr05	31000316	AA	TT	1940339225
SNP_P1_99631_31000330	NC_021164.1	Ca_kabuli_chr05	31000330	AA	GG	1940339227
SNP_P1_99632_31000350	NC_021164.1	Ca_kabuli_chr05	31000350	AA	TT	1940339229
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SNP_P1_99634_31000566	NC_021164.1	Ca_kabuli_chr05	31000566	AA	TT	1940339232
SNP_P1_99636_31001519	NC_021164.1	Ca_kabuli_chr05	31001519	GG	AA	1940339234
SNP_P1_99640_31002579	NC_021164.1	Ca_kabuli_chr05	31002579	GG	AA	1940339236
SNP_P1_99641_31002683	NC_021164.1	Ca_kabuli_chr05	31002683	AA	CC	1940339237
SNP_P1_99642_31002768	NC_021164.1	Ca_kabuli_chr05	31002768	TT	CC	1940339239
SNP_P1_99643_31002770	NC_021164.1	Ca_kabuli_chr05	31002770	TT	AA	1940339241
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SNP_P1_99645_31003586	NC_021164.1	Ca_kabuli_chr05	31003586	GG	AA	1940339244
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SNP_P1_99647_31003640	NC_021164.1	Ca_kabuli_chr05	31003640	GG	AA	1940339248
SNP_P1_99648_31003667	NC_021164.1	Ca_kabuli_chr05	31003667	TT	CC	1940339250
SNP_P1_99649_31003860	NC_021164.1	Ca_kabuli_chr05	31003860	TT	CC	1940339251
SNP_P1_99650_31004003	NC_021164.1	Ca_kabuli_chr05	31004003	TT	CC	1940339253
SNP_P1_99651_31004099	NC_021164.1	Ca_kabuli_chr05	31004099	TT	CC	1940339255
SNP_P1_99652_31004366	NC_021164.1	Ca_kabuli_chr05	31004366	TT	GG	1940339256
SNP_P1_99653_31004370	NC_021164.1	Ca_kabuli_chr05	31004370	TT	CC	1940339258
SNP_P1_99654_31004408	NC_021164.1	Ca_kabuli_chr05	31004408	TT	AA	1940339260
SNP_P1_99655_31004487	NC_021164.1	Ca_kabuli_chr05	31004487	CC	TT	1940339262
SNP_P1_99656_31004757	NC_021164.1	Ca_kabuli_chr05	31004757	AA	CC	1940339263
SNP_P1_99657_31006119	NC_021164.1	Ca_kabuli_chr05	31006119	TT	CC	1940339265
SNP_P1_99658_31006138	NC_021164.1	Ca_kabuli_chr05	31006138	GG	AA	1940339267
SNP_P1_99659_31006349	NC_021164.1	Ca_kabuli_chr05	31006349	TT	AA	1940339268

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99663_31007142	NC_021164.1	Ca_kabuli_chr05	31007142	TT	CC	1940339274
SNP_P1_99664_31007150	NC_021164.1	Ca_kabuli_chr05	31007150	GG	AA	1940339275
SNP_P1_99665_31007219	NC_021164.1	Ca_kabuli_chr05	31007219	CC	TT	1940339277
SNP_P1_99666_31007528	NC_021164.1	Ca_kabuli_chr05	31007528	TT	CC	1940339279
SNP_P1_99667_31007711	NC_021164.1	Ca_kabuli_chr05	31007711	TT	CC	1940339280
SNP_P1_99668_31007839	NC_021164.1	Ca_kabuli_chr05	31007839	AA	TT	1940339282
SNP_P1_99669_31008252	NC_021164.1	Ca_kabuli_chr05	31008252	AA	TT	1940339284
SNP_P1_99670_31008676	NC_021164.1	Ca_kabuli_chr05	31008676	AA	GG	1940339286
SNP_P1_99671_31009492	NC_021164.1	Ca_kabuli_chr05	31009492	GG	TT	1940339287
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SNP_P1_99673_31010561	NC_021164.1	Ca_kabuli_chr05	31010561	AA	GG	1940339291
SNP_P1_99674_31010979	NC_021164.1	Ca_kabuli_chr05	31010979	AA	GG	1940339293
SNP_P1_99675_31011542	NC_021164.1	Ca_kabuli_chr05	31011542	TT	CC	1940339294
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SNP_P1_99677_31011822	NC_021164.1	Ca_kabuli_chr05	31011822	CC	TT	1940339298
SNP_P1_99678_31011879	NC_021164.1	Ca_kabuli_chr05	31011879	GG	AA	1940339299
SNP_P1_99679_31012656	NC_021164.1	Ca_kabuli_chr05	31012656	CC	TT	1940339301
SNP_P1_99680_31012829	NC_021164.1	Ca_kabuli_chr05	31012829	GG	AA	1940339303
SNP_P1_99681_31012997	NC_021164.1	Ca_kabuli_chr05	31012997	TT	AA	1940339305
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SNP_P1_99688_31013619	NC_021164.1	Ca_kabuli_chr05	31013619	AA	GG	1940339317
SNP_P1_99689_31014295	NC_021164.1	Ca_kabuli_chr05	31014295	GG	AA	1940339318
SNP_P1_99690_31014970	NC_021164.1	Ca_kabuli_chr05	31014970	TT	CC	1940339320
SNP_P1_99691_31016215	NC_021164.1	Ca_kabuli_chr05	31016215	CC	TT	1940339322
SNP_P1_99692_31016510	NC_021164.1	Ca_kabuli_chr05	31016510	GG	AA	1940339324
SNP_P1_99693_31017290	NC_021164.1	Ca_kabuli_chr05	31017290	TT	CC	1940339325
SNP_P1_99694_31017568	NC_021164.1	Ca_kabuli_chr05	31017568	AA	GG	1940339327
SNP_P1_99695_31017577	NC_021164.1	Ca_kabuli_chr05	31017577	GG	AA	1940339329
SNP_P1_99696_31017591	NC_021164.1	Ca_kabuli_chr05	31017591	CC	TT	1940339330
SNP_P1_99697_31017602	NC_021164.1	Ca_kabuli_chr05	31017602	TT	GG	1940339332
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SNP_P1_99699_31017618	NC_021164.1	Ca_kabuli_chr05	31017618	GG	AA	1940339336
SNP_P1_99700_31017624	NC_021164.1	Ca_kabuli_chr05	31017624	AA	CC	1940339337
SNP_P1_99701_31018005	NC_021164.1	Ca_kabuli_chr05	31018005	GG	CC	1940339339
SNP_P1_99702_31018172	NC_021164.1	Ca_kabuli_chr05	31018172	AA	GG	1940339341

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99704_31022790	NC_021164.1	Ca_kabuli_chr05	31022790	CC	TT	1940339344
SNP_P1_99705_31024267	NC_021164.1	Ca_kabuli_chr05	31024267	GG	TT	1940339346
SNP_P1_99706_31024820	NC_021164.1	Ca_kabuli_chr05	31024820	TT	CC	1940339348
SNP_P1_99707_31026622	NC_021164.1	Ca_kabuli_chr05	31026622	TT	GG	1940339349
SNP_P1_99709_31027925	NC_021164.1	Ca_kabuli_chr05	31027925	AA	CC	1940339351
SNP_P1_99710_31027943	NC_021164.1	Ca_kabuli_chr05	31027943	CC	TT	1940339353
SNP_P1_99711_31028175	NC_021164.1	Ca_kabuli_chr05	31028175	GG	AA	1940339355
SNP_P1_99712_31029164	NC_021164.1	Ca_kabuli_chr05	31029164	CC	TT	1940339356
SNP_P1_99713_31029564	NC_021164.1	Ca_kabuli_chr05	31029564	TT	CC	1940339358
SNP_P1_99714_31029628	NC_021164.1	Ca_kabuli_chr05	31029628	CC	TT	1940339360
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SNP_P1_99718_31033210	NC_021164.1	Ca_kabuli_chr05	31033210	AA	TT	1940339367
SNP_P1_99719_31033246	NC_021164.1	Ca_kabuli_chr05	31033246	TT	GG	1940339368
SNP_P1_99720_31033897	NC_021164.1	Ca_kabuli_chr05	31033897	GG	AA	1940339370
SNP_P1_99721_31033921	NC_021164.1	Ca_kabuli_chr05	31033921	AA	GG	1940339372
SNP_P1_99722_31034193	NC_021164.1	Ca_kabuli_chr05	31034193	GG	AA	1940339374
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SNP_P1_99725_31036211	NC_021164.1	Ca_kabuli_chr05	31036211	CC	TT	1940339377
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SNP_P1_99729_31037797	NC_021164.1	Ca_kabuli_chr05	31037797	TT	CC	1940339382
SNP_P1_99730_31037807	NC_021164.1	Ca_kabuli_chr05	31037807	AA	TT	1940339384
SNP_P1_99731_31038089	NC_021164.1	Ca_kabuli_chr05	31038089	GG	AA	1940339386
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SNP_P1_99734_31038223	NC_021164.1	Ca_kabuli_chr05	31038223	AA	GG	1940339389
SNP_P1_99736_31038825	NC_021164.1	Ca_kabuli_chr05	31038825	CC	GG	1940339391
SNP_P1_99737_31039652	NC_021164.1	Ca_kabuli_chr05	31039652	CC	TT	1940339393
SNP_P1_99738_31039661	NC_021164.1	Ca_kabuli_chr05	31039661	CC	TT	1940339394
SNP_P1_99739_31039874	NC_021164.1	Ca_kabuli_chr05	31039874	CC	AA	1940339396
SNP_P1_99740_31042040	NC_021164.1	Ca_kabuli_chr05	31042040	GG	CC	1940339398
SNP_P1_99741_31043044	NC_021164.1	Ca_kabuli_chr05	31043044	GG	AA	1940339399
SNP_P1_99743_31043213	NC_021164.1	Ca_kabuli_chr05	31043213	GG	AA	1940339401
SNP_P1_99744_31043286	NC_021164.1	Ca_kabuli_chr05	31043286	GG	TT	1940339403
SNP_P1_99745_31044689	NC_021164.1	Ca_kabuli_chr05	31044689	GG	AA	1940339405
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SNP_P1_99747_31044869	NC_021164.1	Ca_kabuli_chr05	31044869	TT	CC	1940339408
SNP_P1_99748_31044916	NC_021164.1	Ca_kabuli_chr05	31044916	TT	CC	1940339410
SNP_P1_99749_31045511	NC_021164.1	Ca_kabuli_chr05	31045511	AA	CC	1940339411
SNP_P1_99750_31045524	NC_021164.1	Ca_kabuli_chr05	31045524	AA	CC	1940339413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99754_31045715	NC_021164.1	Ca_kabuli_chr05	31045715	AA	GG	1940339418
SNP_P1_99755_31048720	NC_021164.1	Ca_kabuli_chr05	31048720	TT	CC	1940339420
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SNP_P1_99757_31048741	NC_021164.1	Ca_kabuli_chr05	31048741	TT	CC	1940339424
SNP_P1_99759_31049307	NC_021164.1	Ca_kabuli_chr05	31049307	AA	TT	1940339425
SNP_P1_99760_31049940	NC_021164.1	Ca_kabuli_chr05	31049940	CC	TT	1940339427
SNP_P1_99761_31050229	NC_021164.1	Ca_kabuli_chr05	31050229	GG	CC	1940339429
SNP_P1_99762_31050452	NC_021164.1	Ca_kabuli_chr05	31050452	GG	CC	1940339430
SNP_P1_99763_31051873	NC_021164.1	Ca_kabuli_chr05	31051873	GG	CC	1940339432
SNP_P1_99764_31051890	NC_021164.1	Ca_kabuli_chr05	31051890	CC	GG	1940339434
SNP_P1_99765_31051957	NC_021164.1	Ca_kabuli_chr05	31051957	AA	GG	1940339436
SNP_P1_99766_31052387	NC_021164.1	Ca_kabuli_chr05	31052387	AA	TT	1940339437
SNP_P1_99768_31052475	NC_021164.1	Ca_kabuli_chr05	31052475	CC	TT	1940339439
SNP_P1_99769_31054168	NC_021164.1	Ca_kabuli_chr05	31054168	GG	AA	1940339441
SNP_P1_99770_31054293	NC_021164.1	Ca_kabuli_chr05	31054293	CC	TT	1940339442
SNP_P1_99771_31054379	NC_021164.1	Ca_kabuli_chr05	31054379	GG	CC	1940339444
SNP_P1_99772_31054554	NC_021164.1	Ca_kabuli_chr05	31054554	CC	AA	1940339446
SNP_P1_99773_31054571	NC_021164.1	Ca_kabuli_chr05	31054571	TT	CC	1940339448
SNP_P1_99774_31055251	NC_021164.1	Ca_kabuli_chr05	31055251	CC	GG	1940339449
SNP_P1_99775_31055291	NC_021164.1	Ca_kabuli_chr05	31055291	AA	GG	1940339451
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SNP_P1_99778_31055478	NC_021164.1	Ca_kabuli_chr05	31055478	AA	TT	1940339455
SNP_P1_99779_31055522	NC_021164.1	Ca_kabuli_chr05	31055522	GG	AA	1940339456
SNP_P1_99780_31061099	NC_021164.1	Ca_kabuli_chr05	31061099	AA	GG	1940339458
SNP_P1_99781_31061300	NC_021164.1	Ca_kabuli_chr05	31061300	TT	AA	1940339460
SNP_P1_99782_31061340	NC_021164.1	Ca_kabuli_chr05	31061340	CC	TT	1940339461
SNP_P1_99784_31063612	NC_021164.1	Ca_kabuli_chr05	31063612	GG	AA	1940339463
SNP_P1_99785_31064593	NC_021164.1	Ca_kabuli_chr05	31064593	GG	AA	1940339465
SNP_P1_99787_31066402	NC_021164.1	Ca_kabuli_chr05	31066402	CC	GG	1940339467
SNP_P1_99788_31067246	NC_021164.1	Ca_kabuli_chr05	31067246	AA	TT	1940339468
SNP_P1_99789_31067357	NC_021164.1	Ca_kabuli_chr05	31067357	TT	AA	1940339470
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SNP_P1_99791_31068129	NC_021164.1	Ca_kabuli_chr05	31068129	AA	TT	1940339473
SNP_P1_99792_31068130	NC_021164.1	Ca_kabuli_chr05	31068130	CC	TT	1940339475
SNP_P1_99793_31068379	NC_021164.1	Ca_kabuli_chr05	31068379	AA	GG	1940339477
SNP_P1_99795_31068700	NC_021164.1	Ca_kabuli_chr05	31068700	CC	TT	1940339479
SNP_P1_99796_31068751	NC_021164.1	Ca_kabuli_chr05	31068751	AA	GG	1940339480
SNP_P1_99797_31069001	NC_021164.1	Ca_kabuli_chr05	31069001	GG	AA	1940339482
SNP_P1_99798_31069413	NC_021164.1	Ca_kabuli_chr05	31069413	GG	AA	1940339484
SNP_P1_99799_31069447	NC_021164.1	Ca_kabuli_chr05	31069447	AA	TT	1940339486

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99801_31069493	NC_021164.1	Ca_kabuli_chr05	31069493	TT	AA	1940339489
SNP_P1_99803_31070002	NC_021164.1	Ca_kabuli_chr05	31070002	TT	AA	1940339491
SNP_P1_99804_31072213	NC_021164.1	Ca_kabuli_chr05	31072213	TT	CC	1940339492
SNP_P1_99805_31072276	NC_021164.1	Ca_kabuli_chr05	31072276	GG	AA	1940339494
SNP_P1_99808_31072848	NC_021164.1	Ca_kabuli_chr05	31072848	CC	GG	1940339496
SNP_P1_99809_31072861	NC_021164.1	Ca_kabuli_chr05	31072861	AA	GG	1940339498
SNP_P1_99810_31074796	NC_021164.1	Ca_kabuli_chr05	31074796	CC	TT	1940339499
SNP_P1_99811_31074981	NC_021164.1	Ca_kabuli_chr05	31074981	TT	AA	1940339501
SNP_P1_99812_31075776	NC_021164.1	Ca_kabuli_chr05	31075776	CC	TT	1940339503
SNP_P1_99813_31075798	NC_021164.1	Ca_kabuli_chr05	31075798	TT	GG	1940339504
SNP_P1_99814_31075873	NC_021164.1	Ca_kabuli_chr05	31075873	CC	TT	1940339506
SNP_P1_99815_31075907	NC_021164.1	Ca_kabuli_chr05	31075907	GG	AA	1940339508
SNP_P1_99816_31075913	NC_021164.1	Ca_kabuli_chr05	31075913	AA	GG	1940339510
SNP_P1_99817_31075917	NC_021164.1	Ca_kabuli_chr05	31075917	CC	TT	1940339511
SNP_P1_99818_31075969	NC_021164.1	Ca_kabuli_chr05	31075969	AA	GG	1940339513
SNP_P1_99819_31076227	NC_021164.1	Ca_kabuli_chr05	31076227	TT	AA	1940339515
SNP_P1_99820_31077219	NC_021164.1	Ca_kabuli_chr05	31077219	GG	AA	1940339517
SNP_P1_99821_31077220	NC_021164.1	Ca_kabuli_chr05	31077220	CC	AA	1940339518
SNP_P1_99822_31077289	NC_021164.1	Ca_kabuli_chr05	31077289	GG	CC	1940339520
SNP_P1_99823_31077704	NC_021164.1	Ca_kabuli_chr05	31077704	AA	GG	1940339522
SNP_P1_99824_31077861	NC_021164.1	Ca_kabuli_chr05	31077861	TT	CC	1940339523
SNP_P1_99825_31077917	NC_021164.1	Ca_kabuli_chr05	31077917	GG	AA	1940339525
SNP_P1_99826_31078301	NC_021164.1	Ca_kabuli_chr05	31078301	GG	AA	1940339527
SNP_P1_99827_31078670	NC_021164.1	Ca_kabuli_chr05	31078670	TT	GG	1940339528
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SNP_P1_99831_31080484	NC_021164.1	Ca_kabuli_chr05	31080484	AA	GG	1940339535
SNP_P1_99832_31080851	NC_021164.1	Ca_kabuli_chr05	31080851	AA	GG	1940339537
SNP_P1_99833_31080882	NC_021164.1	Ca_kabuli_chr05	31080882	CC	TT	1940339539
SNP_P1_99834_31080886	NC_021164.1	Ca_kabuli_chr05	31080886	AA	GG	1940339541
SNP_P1_99835_31080903	NC_021164.1	Ca_kabuli_chr05	31080903	TT	GG	1940339542
SNP_P1_99836_31082202	NC_021164.1	Ca_kabuli_chr05	31082202	AA	TT	1940339544
SNP_P1_99837_31083075	NC_021164.1	Ca_kabuli_chr05	31083075	CC	TT	1940339546
SNP_P1_99838_31083113	NC_021164.1	Ca_kabuli_chr05	31083113	AA	CC	1940339548
SNP_P1_99839_31083123	NC_021164.1	Ca_kabuli_chr05	31083123	CC	GG	1940339549
SNP_P1_99840_31083263	NC_021164.1	Ca_kabuli_chr05	31083263	AA	TT	1940339551
SNP_P1_99842_31083370	NC_021164.1	Ca_kabuli_chr05	31083370	AA	CC	1940339553
SNP_P1_99843_31083408	NC_021164.1	Ca_kabuli_chr05	31083408	GG	AA	1940339554
SNP_P1_99844_31083419	NC_021164.1	Ca_kabuli_chr05	31083419	AA	GG	1940339556
SNP_P1_99845_31083654	NC_021164.1	Ca_kabuli_chr05	31083654	AA	TT	1940339558

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99847_31083942	NC_021164.1	Ca_kabuli_chr05	31083942	AA	GG	1940339561
SNP_P1_99848_31084228	NC_021164.1	Ca_kabuli_chr05	31084228	TT	CC	1940339563
SNP_P1_99849_31084237	NC_021164.1	Ca_kabuli_chr05	31084237	AA	TT	1940339565
SNP_P1_99851_31084284	NC_021164.1	Ca_kabuli_chr05	31084284	GG	TT	1940339567
SNP_P1_99852_31084286	NC_021164.1	Ca_kabuli_chr05	31084286	AA	GG	1940339568
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SNP_P1_99854_31084430	NC_021164.1	Ca_kabuli_chr05	31084430	GG	TT	1940339572
SNP_P1_99855_31084431	NC_021164.1	Ca_kabuli_chr05	31084431	GG	TT	1940339573
SNP_P1_99856_31084754	NC_021164.1	Ca_kabuli_chr05	31084754	CC	TT	1940339575
SNP_P1_99857_31087111	NC_021164.1	Ca_kabuli_chr05	31087111	GG	CC	1940339577
SNP_P1_99858_31087114	NC_021164.1	Ca_kabuli_chr05	31087114	GG	TT	1940339579
SNP_P1_99859_31087156	NC_021164.1	Ca_kabuli_chr05	31087156	TT	CC	1940339580
SNP_P1_99860_31087265	NC_021164.1	Ca_kabuli_chr05	31087265	AA	TT	1940339582
SNP_P1_99861_31087291	NC_021164.1	Ca_kabuli_chr05	31087291	CC	AA	1940339584
SNP_P1_99862_31087486	NC_021164.1	Ca_kabuli_chr05	31087486	TT	CC	1940339586
SNP_P1_99863_31087677	NC_021164.1	Ca_kabuli_chr05	31087677	TT	AA	1940339587
SNP_P1_99864_31087735	NC_021164.1	Ca_kabuli_chr05	31087735	AA	TT	1940339589
SNP_P1_99865_31088958	NC_021164.1	Ca_kabuli_chr05	31088958	AA	TT	1940339591
SNP_P1_99866_31089874	NC_021164.1	Ca_kabuli_chr05	31089874	AA	GG	1940339592
SNP_P1_99867_31089888	NC_021164.1	Ca_kabuli_chr05	31089888	TT	GG	1940339594
SNP_P1_99868_31089953	NC_021164.1	Ca_kabuli_chr05	31089953	GG	TT	1940339596
SNP_P1_99869_31090693	NC_021164.1	Ca_kabuli_chr05	31090693	AA	GG	1940339598
SNP_P1_99870_31090701	NC_021164.1	Ca_kabuli_chr05	31090701	GG	AA	1940339599
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SNP_P1_99875_31094791	NC_021164.1	Ca_kabuli_chr05	31094791	AA	GG	1940339604
SNP_P1_99876_31094803	NC_021164.1	Ca_kabuli_chr05	31094803	GG	CC	1940339606
SNP_P1_99877_31095718	NC_021164.1	Ca_kabuli_chr05	31095718	AA	TT	1940339608
SNP_P1_99878_31095719	NC_021164.1	Ca_kabuli_chr05	31095719	CC	GG	1940339610
SNP_P1_99879_31095758	NC_021164.1	Ca_kabuli_chr05	31095758	CC	TT	1940339611
SNP_P1_99880_31096516	NC_021164.1	Ca_kabuli_chr05	31096516	CC	TT	1940339613
SNP_P1_99881_31096570	NC_021164.1	Ca_kabuli_chr05	31096570	GG	AA	1940339615
SNP_P1_99882_31096753	NC_021164.1	Ca_kabuli_chr05	31096753	TT	CC	1940339617
SNP_P1_99883_31096766	NC_021164.1	Ca_kabuli_chr05	31096766	AA	CC	1940339618
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SNP_P1_99887_31100077	NC_021164.1	Ca_kabuli_chr05	31100077	CC	GG	1940339625
SNP_P1_99888_31100792	NC_021164.1	Ca_kabuli_chr05	31100792	AA	TT	1940339627
SNP_P1_99889_31102496	NC_021164.1	Ca_kabuli_chr05	31102496	AA	GG	1940339629
SNP_P1_99890_31102562	NC_021164.1	Ca_kabuli_chr05	31102562	AA	TT	1940339630

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99892_31103133	NC_021164.1	Ca_kabuli_chr05	31103133	TT	AA	1940339634
SNP_P1_99893_31103393	NC_021164.1	Ca_kabuli_chr05	31103393	TT	AA	1940339635
SNP_P1_99894_31103553	NC_021164.1	Ca_kabuli_chr05	31103553	GG	AA	1940339637
SNP_P1_99896_31104155	NC_021164.1	Ca_kabuli_chr05	31104155	AA	TT	1940339639
SNP_P1_99897_31104203	NC_021164.1	Ca_kabuli_chr05	31104203	AA	CC	1940339641
SNP_P1_99898_31110257	NC_021164.1	Ca_kabuli_chr05	31110257	CC	TT	1940339642
SNP_P1_99899_31110352	NC_021164.1	Ca_kabuli_chr05	31110352	GG	AA	1940339644
SNP_P1_99901_31111799	NC_021164.1	Ca_kabuli_chr05	31111799	TT	CC	1940339646
SNP_P1_99902_31111800	NC_021164.1	Ca_kabuli_chr05	31111800	CC	AA	1940339648
SNP_P1_99903_31111836	NC_021164.1	Ca_kabuli_chr05	31111836	GG	AA	1940339649
SNP_P1_99904_31111865	NC_021164.1	Ca_kabuli_chr05	31111865	CC	TT	1940339651
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SNP_P1_99907_31112966	NC_021164.1	Ca_kabuli_chr05	31112966	TT	GG	1940339656
SNP_P1_99908_31113074	NC_021164.1	Ca_kabuli_chr05	31113074	AA	CC	1940339658
SNP_P1_99909_31113098	NC_021164.1	Ca_kabuli_chr05	31113098	CC	TT	1940339660
SNP_P1_99910_31113502	NC_021164.1	Ca_kabuli_chr05	31113502	GG	TT	1940339661
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SNP_P1_99914_31114681	NC_021164.1	Ca_kabuli_chr05	31114681	TT	CC	1940339668
SNP_P1_99915_31114797	NC_021164.1	Ca_kabuli_chr05	31114797	GG	AA	1940339670
SNP_P1_99916_31114878	NC_021164.1	Ca_kabuli_chr05	31114878	AA	GG	1940339672
SNP_P1_99917_31114986	NC_021164.1	Ca_kabuli_chr05	31114986	AA	TT	1940339673
SNP_P1_99918_31115559	NC_021164.1	Ca_kabuli_chr05	31115559	CC	TT	1940339675
SNP_P1_99919_31116237	NC_021164.1	Ca_kabuli_chr05	31116237	GG	AA	1940339677
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SNP_P1_99921_31116623	NC_021164.1	Ca_kabuli_chr05	31116623	GG	AA	1940339680
SNP_P1_99922_31116630	NC_021164.1	Ca_kabuli_chr05	31116630	TT	CC	1940339682
SNP_P1_99923_31116641	NC_021164.1	Ca_kabuli_chr05	31116641	TT	GG	1940339684
SNP_P1_99924_31116673	NC_021164.1	Ca_kabuli_chr05	31116673	AA	GG	1940339686
SNP_P1_99925_31118633	NC_021164.1	Ca_kabuli_chr05	31118633	GG	AA	1940339687
SNP_P1_99926_31118940	NC_021164.1	Ca_kabuli_chr05	31118940	TT	CC	1940339689
SNP_P1_99928_31120127	NC_021164.1	Ca_kabuli_chr05	31120127	AA	CC	1940339691
SNP_P1_99929_31120766	NC_021164.1	Ca_kabuli_chr05	31120766	TT	AA	1940339692
SNP_P1_99930_31120780	NC_021164.1	Ca_kabuli_chr05	31120780	CC	AA	1940339694
SNP_P1_99931_31121185	NC_021164.1	Ca_kabuli_chr05	31121185	AA	GG	1940339696
SNP_P1_99933_31122426	NC_021164.1	Ca_kabuli_chr05	31122426	TT	CC	1940339698
SNP_P1_99934_31122630	NC_021164.1	Ca_kabuli_chr05	31122630	CC	AA	1940339699
SNP_P1_99935_31122833	NC_021164.1	Ca_kabuli_chr05	31122833	CC	TT	1940339701
SNP_P1_99936_31123051	NC_021164.1	Ca_kabuli_chr05	31123051	TT	AA	1940339703

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99938_31123569	NC_021164.1	Ca_kabuli_chr05	31123569	TT	CC	1940339706
SNP_P1_99939_31123602	NC_021164.1	Ca_kabuli_chr05	31123602	TT	GG	1940339708
SNP_P1_99940_31124711	NC_021164.1	Ca_kabuli_chr05	31124711	TT	CC	1940339710
SNP_P1_99941_31124981	NC_021164.1	Ca_kabuli_chr05	31124981	GG	TT	1940339711
SNP_P1_99942_31128860	NC_021164.1	Ca_kabuli_chr05	31128860	AA	GG	1940339713
SNP_P1_99943_31129471	NC_021164.1	Ca_kabuli_chr05	31129471	AA	GG	1940339715
SNP_P1_99944_31129585	NC_021164.1	Ca_kabuli_chr05	31129585	AA	GG	1940339717
SNP_P1_99945_31129668	NC_021164.1	Ca_kabuli_chr05	31129668	TT	CC	1940339718
SNP_P1_99946_31129679	NC_021164.1	Ca_kabuli_chr05	31129679	GG	AA	1940339720
SNP_P1_99947_31129694	NC_021164.1	Ca_kabuli_chr05	31129694	CC	GG	1940339722
SNP_P1_99948_31129724	NC_021164.1	Ca_kabuli_chr05	31129724	CC	TT	1940339723
SNP_P1_99949_31129979	NC_021164.1	Ca_kabuli_chr05	31129979	AA	GG	1940339725
SNP_P1_99950_31130186	NC_021164.1	Ca_kabuli_chr05	31130186	AA	CC	1940339727
SNP_P1_99951_31130187	NC_021164.1	Ca_kabuli_chr05	31130187	GG	AA	1940339729
SNP_P1_99953_31130886	NC_021164.1	Ca_kabuli_chr05	31130886	TT	CC	1940339730
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SNP_P1_99956_31133797	NC_021164.1	Ca_kabuli_chr05	31133797	CC	AA	1940339736
SNP_P1_99958_31136680	NC_021164.1	Ca_kabuli_chr05	31136680	GG	AA	1940339737
SNP_P1_99959_31136954	NC_021164.1	Ca_kabuli_chr05	31136954	TT	GG	1940339739
SNP_P1_99961_31147221	NC_021164.1	Ca_kabuli_chr05	31147221	CC	TT	1940339741
SNP_P1_99962_31148684	NC_021164.1	Ca_kabuli_chr05	31148684	AA	GG	1940339742
SNP_P1_99963_31153142	NC_021164.1	Ca_kabuli_chr05	31153142	AA	TT	1940339744
SNP_P1_99964_31153143	NC_021164.1	Ca_kabuli_chr05	31153143	AA	TT	1940339746
SNP_P1_99965_31153144	NC_021164.1	Ca_kabuli_chr05	31153144	AA	TT	1940339748
SNP_P1_99966_31153276	NC_021164.1	Ca_kabuli_chr05	31153276	GG	AA	1940339749
SNP_P1_99967_31154284	NC_021164.1	Ca_kabuli_chr05	31154284	AA	CC	1940339751
SNP_P1_99969_31158972	NC_021164.1	Ca_kabuli_chr05	31158972	CC	TT	1940339753
SNP_P1_99970_31159253	NC_021164.1	Ca_kabuli_chr05	31159253	TT	AA	1940339754
SNP_P1_99971_31160856	NC_021164.1	Ca_kabuli_chr05	31160856	TT	CC	1940339756
SNP_P1_99972_31161037	NC_021164.1	Ca_kabuli_chr05	31161037	AA	GG	1940339758
SNP_P1_99975_31164355	NC_021164.1	Ca_kabuli_chr05	31164355	AA	GG	1940339760
SNP_P1_99976_31165225	NC_021164.1	Ca_kabuli_chr05	31165225	AA	GG	1940339761
SNP_P1_99977_31165234	NC_021164.1	Ca_kabuli_chr05	31165234	AA	CC	1940339763
SNP_P1_99978_31165815	NC_021164.1	Ca_kabuli_chr05	31165815	AA	CC	1940339765
SNP_P1_99979_31167449	NC_021164.1	Ca_kabuli_chr05	31167449	TT	GG	1940339766
SNP_P1_99980_31169696	NC_021164.1	Ca_kabuli_chr05	31169696	GG	AA	1940339768
SNP_P1_99981_31170125	NC_021164.1	Ca_kabuli_chr05	31170125	AA	GG	1940339770
SNP_P1_99982_31170202	NC_021164.1	Ca_kabuli_chr05	31170202	GG	TT	1940339772
SNP_P1_99983_31170497	NC_021164.1	Ca_kabuli_chr05	31170497	AA	GG	1940339773
SNP_P1_99984_31171477	NC_021164.1	Ca_kabuli_chr05	31171477	AA	GG	1940339775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_99986_31174847	NC_021164.1	Ca_kabuli_chr05	31174847	GG	AA	1940339779
SNP_P1_99987_31177653	NC_021164.1	Ca_kabuli_chr05	31177653	AA	TT	1940339780
SNP_P1_99988_31177839	NC_021164.1	Ca_kabuli_chr05	31177839	TT	CC	1940339782
SNP_P1_99989_31178674	NC_021164.1	Ca_kabuli_chr05	31178674	AA	GG	1940339784
SNP_P1_99990_31178705	NC_021164.1	Ca_kabuli_chr05	31178705	AA	CC	1940339785
SNP_P1_99991_31178836	NC_021164.1	Ca_kabuli_chr05	31178836	TT	CC	1940339787
SNP_P1_99992_31181676	NC_021164.1	Ca_kabuli_chr05	31181676	CC	TT	1940339789
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SNP_P1_99994_31182760	NC_021164.1	Ca_kabuli_chr05	31182760	AA	TT	1940339792
SNP_P1_99995_31182796	NC_021164.1	Ca_kabuli_chr05	31182796	CC	AA	1940339794
SNP_P1_99996_31182822	NC_021164.1	Ca_kabuli_chr05	31182822	AA	GG	1940339796
SNP_P1_99997_31182826	NC_021164.1	Ca_kabuli_chr05	31182826	CC	TT	1940339798
SNP_P1_99998_31182828	NC_021164.1	Ca_kabuli_chr05	31182828	AA	GG	1940339799
SNP_P1_99999_31183352	NC_021164.1	Ca_kabuli_chr05	31183352	CC	AA	1940339801
SNP_P1_100000_31183940	NC_021164.1	Ca_kabuli_chr05	31183940	TT	AA	1940339803
SNP_P1_100001_31183946	NC_021164.1	Ca_kabuli_chr05	31183946	GG	AA	1940339805
SNP_P1_100002_31183953	NC_021164.1	Ca_kabuli_chr05	31183953	CC	TT	1940339806
SNP_P1_100003_31183969	NC_021164.1	Ca_kabuli_chr05	31183969	TT	CC	1940339808
SNP_P1_100004_31185087	NC_021164.1	Ca_kabuli_chr05	31185087	TT	GG	1940339810
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SNP_P1_100006_31185570	NC_021164.1	Ca_kabuli_chr05	31185570	AA	GG	1940339813
SNP_P1_100007_31185981	NC_021164.1	Ca_kabuli_chr05	31185981	AA	CC	1940339815
SNP_P1_100008_31186105	NC_021164.1	Ca_kabuli_chr05	31186105	TT	GG	1940339817
SNP_P1_100009_31187062	NC_021164.1	Ca_kabuli_chr05	31187062	GG	AA	1940339818
SNP_P1_100010_31187069	NC_021164.1	Ca_kabuli_chr05	31187069	TT	AA	1940339820
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SNP_P1_100014_31189373	NC_021164.1	Ca_kabuli_chr05	31189373	TT	CC	1940339825
SNP_P1_100016_31189568	NC_021164.1	Ca_kabuli_chr05	31189568	TT	CC	1940339827
SNP_P1_100018_31189625	NC_021164.1	Ca_kabuli_chr05	31189625	CC	TT	1940339829
SNP_P1_100020_31189915	NC_021164.1	Ca_kabuli_chr05	31189915	CC	TT	1940339830
SNP_P1_100021_31189947	NC_021164.1	Ca_kabuli_chr05	31189947	TT	AA	1940339832
SNP_P1_100022_31189951	NC_021164.1	Ca_kabuli_chr05	31189951	TT	AA	1940339834
SNP_P1_100023_31190807	NC_021164.1	Ca_kabuli_chr05	31190807	GG	CC	1940339836
SNP_P1_100024_31190938	NC_021164.1	Ca_kabuli_chr05	31190938	TT	CC	1940339837
SNP_P1_100025_31190941	NC_021164.1	Ca_kabuli_chr05	31190941	AA	GG	1940339839
SNP_P1_100026_31191042	NC_021164.1	Ca_kabuli_chr05	31191042	GG	AA	1940339841
SNP_P1_100027_31191348	NC_021164.1	Ca_kabuli_chr05	31191348	CC	TT	1940339842
SNP_P1_100028_31191451	NC_021164.1	Ca_kabuli_chr05	31191451	CC	TT	1940339844
SNP_P1_100029_31191499	NC_021164.1	Ca_kabuli_chr05	31191499	GG	AA	1940339846
SNP_P1_100030_31191629	NC_021164.1	Ca_kabuli_chr05	31191629	TT	AA	1940339848

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100032_31191749	NC_021164.1	Ca_kabuli_chr05	31191749	GG	AA	1940339851
SNP_P1_100033_31191766	NC_021164.1	Ca_kabuli_chr05	31191766	AA	GG	1940339853
SNP_P1_100034_31191770	NC_021164.1	Ca_kabuli_chr05	31191770	AA	GG	1940339854
SNP_P1_100035_31191792	NC_021164.1	Ca_kabuli_chr05	31191792	GG	AA	1940339856
SNP_P1_100036_31191832	NC_021164.1	Ca_kabuli_chr05	31191832	GG	TT	1940339858
SNP_P1_100037_31191853	NC_021164.1	Ca_kabuli_chr05	31191853	TT	AA	1940339860
SNP_P1_100038_31192068	NC_021164.1	Ca_kabuli_chr05	31192068	AA	GG	1940339861
SNP_P1_100040_31193100	NC_021164.1	Ca_kabuli_chr05	31193100	GG	AA	1940339863
SNP_P1_100041_31193524	NC_021164.1	Ca_kabuli_chr05	31193524	AA	GG	1940339865
SNP_P1_100043_31193852	NC_021164.1	Ca_kabuli_chr05	31193852	AA	TT	1940339867
SNP_P1_100044_31194057	NC_021164.1	Ca_kabuli_chr05	31194057	GG	CC	1940339868
SNP_P1_100045_31194845	NC_021164.1	Ca_kabuli_chr05	31194845	GG	TT	1940339870
SNP_P1_100046_31195170	NC_021164.1	Ca_kabuli_chr05	31195170	TT	CC	1940339872
SNP_P1_100047_31195213	NC_021164.1	Ca_kabuli_chr05	31195213	GG	AA	1940339873
SNP_P1_100048_31195308	NC_021164.1	Ca_kabuli_chr05	31195308	AA	GG	1940339875
SNP_P1_100049_31195437	NC_021164.1	Ca_kabuli_chr05	31195437	AA	CC	1940339877
SNP_P1_100050_31195477	NC_021164.1	Ca_kabuli_chr05	31195477	CC	GG	1940339879
SNP_P1_100051_31196537	NC_021164.1	Ca_kabuli_chr05	31196537	GG	CC	1940339880
SNP_P1_100052_31196730	NC_021164.1	Ca_kabuli_chr05	31196730	TT	AA	1940339882
SNP_P1_100053_31196731	NC_021164.1	Ca_kabuli_chr05	31196731	TT	AA	1940339884
SNP_P1_100054_31196732	NC_021164.1	Ca_kabuli_chr05	31196732	AA	GG	1940339885
SNP_P1_100055_31196743	NC_021164.1	Ca_kabuli_chr05	31196743	AA	TT	1940339887
SNP_P1_100056_31196857	NC_021164.1	Ca_kabuli_chr05	31196857	CC	AA	1940339889
SNP_P1_100057_31197008	NC_021164.1	Ca_kabuli_chr05	31197008	AA	GG	1940339891
SNP_P1_100058_31197024	NC_021164.1	Ca_kabuli_chr05	31197024	CC	TT	1940339892
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SNP_P1_100060_31197142	NC_021164.1	Ca_kabuli_chr05	31197142	TT	AA	1940339896
SNP_P1_100062_31197207	NC_021164.1	Ca_kabuli_chr05	31197207	AA	GG	1940339897
SNP_P1_100063_31197238	NC_021164.1	Ca_kabuli_chr05	31197238	GG	AA	1940339899
SNP_P1_100064_31197498	NC_021164.1	Ca_kabuli_chr05	31197498	GG	AA	1940339901
SNP_P1_100065_31197521	NC_021164.1	Ca_kabuli_chr05	31197521	AA	GG	1940339903
SNP_P1_100066_31197657	NC_021164.1	Ca_kabuli_chr05	31197657	GG	AA	1940339904
SNP_P1_100067_31227944	NC_021164.1	Ca_kabuli_chr05	31227944	TT	CC	1940339906
SNP_P1_100068_31228223	NC_021164.1	Ca_kabuli_chr05	31228223	AA	GG	1940339908
SNP_P1_100069_31228848	NC_021164.1	Ca_kabuli_chr05	31228848	TT	CC	1940339910
SNP_P1_100070_31228849	NC_021164.1	Ca_kabuli_chr05	31228849	CC	TT	1940339911
SNP_P1_100071_31228898	NC_021164.1	Ca_kabuli_chr05	31228898	GG	AA	1940339913
SNP_P1_100072_31228902	NC_021164.1	Ca_kabuli_chr05	31228902	CC	TT	1940339915
SNP_P1_100073_31228960	NC_021164.1	Ca_kabuli_chr05	31228960	AA	GG	1940339916
SNP_P1_100074_31228983	NC_021164.1	Ca_kabuli_chr05	31228983	TT	CC	1940339918
SNP_P1_100075_31228992	NC_021164.1	Ca_kabuli_chr05	31228992	GG	AA	1940339920

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100077_31229066	NC_021164.1	Ca_kabuli_chr05	31229066	AA	GG	1940339923
SNP_P1_100078_31229231	NC_021164.1	Ca_kabuli_chr05	31229231	CC	GG	1940339925
SNP_P1_100079_31229235	NC_021164.1	Ca_kabuli_chr05	31229235	CC	TT	1940339927
SNP_P1_100080_31229260	NC_021164.1	Ca_kabuli_chr05	31229260	CC	TT	1940339929
SNP_P1_100081_31229277	NC_021164.1	Ca_kabuli_chr05	31229277	AA	GG	1940339930
SNP_P1_100082_31229308	NC_021164.1	Ca_kabuli_chr05	31229308	GG	AA	1940339932
SNP_P1_100083_31229556	NC_021164.1	Ca_kabuli_chr05	31229556	CC	TT	1940339934
SNP_P1_100084_31229561	NC_021164.1	Ca_kabuli_chr05	31229561	CC	TT	1940339935
SNP_P1_100085_31229599	NC_021164.1	Ca_kabuli_chr05	31229599	GG	AA	1940339937
SNP_P1_100086_31229684	NC_021164.1	Ca_kabuli_chr05	31229684	TT	CC	1940339939
SNP_P1_100087_31229729	NC_021164.1	Ca_kabuli_chr05	31229729	AA	GG	1940339941
SNP_P1_100089_31229839	NC_021164.1	Ca_kabuli_chr05	31229839	CC	TT	1940339942
SNP_P1_100090_31229894	NC_021164.1	Ca_kabuli_chr05	31229894	GG	AA	1940339944
SNP_P1_100091_31229938	NC_021164.1	Ca_kabuli_chr05	31229938	GG	AA	1940339946
SNP_P1_100092_31229943	NC_021164.1	Ca_kabuli_chr05	31229943	GG	AA	1940339947
SNP_P1_100093_31229969	NC_021164.1	Ca_kabuli_chr05	31229969	TT	GG	1940339949
SNP_P1_100094_31230091	NC_021164.1	Ca_kabuli_chr05	31230091	TT	GG	1940339951
SNP_P1_100095_31230161	NC_021164.1	Ca_kabuli_chr05	31230161	AA	CC	1940339953
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SNP_P1_100097_31230202	NC_021164.1	Ca_kabuli_chr05	31230202	TT	CC	1940339956
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SNP_P1_100099_31230274	NC_021164.1	Ca_kabuli_chr05	31230274	TT	CC	1940339960
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SNP_P1_100103_31231539	NC_021164.1	Ca_kabuli_chr05	31231539	CC	TT	1940339965
SNP_P1_100105_31238575	NC_021164.1	Ca_kabuli_chr05	31238575	TT	CC	1940339966
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SNP_P1_100107_31238838	NC_021164.1	Ca_kabuli_chr05	31238838	GG	AA	1940339970
SNP_P1_100108_31239636	NC_021164.1	Ca_kabuli_chr05	31239636	AA	CC	1940339972
SNP_P1_100110_31240116	NC_021164.1	Ca_kabuli_chr05	31240116	TT	AA	1940339973
SNP_P1_100111_31241512	NC_021164.1	Ca_kabuli_chr05	31241512	AA	GG	1940339975
SNP_P1_100113_31242998	NC_021164.1	Ca_kabuli_chr05	31242998	CC	TT	1940339977
SNP_P1_100114_31242999	NC_021164.1	Ca_kabuli_chr05	31242999	AA	GG	1940339978
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SNP_P1_100116_31244299	NC_021164.1	Ca_kabuli_chr05	31244299	TT	GG	1940339982
SNP_P1_100117_31245713	NC_021164.1	Ca_kabuli_chr05	31245713	TT	CC	1940339984
SNP_P1_100118_31246270	NC_021164.1	Ca_kabuli_chr05	31246270	AA	CC	1940339985
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SNP_P1_100120_31247911	NC_021164.1	Ca_kabuli_chr05	31247911	AA	CC	1940339989
SNP_P1_100121_31248758	NC_021164.1	Ca_kabuli_chr05	31248758	TT	AA	1940339990
SNP_P1_100122_31249031	NC_021164.1	Ca_kabuli_chr05	31249031	TT	CC	1940339992

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100126_31254720	NC_021164.1	Ca_kabuli_chr05	31254720	CC	AA	1940339997
SNP_P1_100127_31254814	NC_021164.1	Ca_kabuli_chr05	31254814	TT	CC	1940339999
SNP_P1_100128_31254838	NC_021164.1	Ca_kabuli_chr05	31254838	TT	CC	1940340001
SNP_P1_100129_31255439	NC_021164.1	Ca_kabuli_chr05	31255439	AA	GG	1940340003
SNP_P1_100131_31255633	NC_021164.1	Ca_kabuli_chr05	31255633	CC	TT	1940340004
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SNP_P1_100133_31255681	NC_021164.1	Ca_kabuli_chr05	31255681	AA	GG	1940340008
SNP_P1_100134_31255682	NC_021164.1	Ca_kabuli_chr05	31255682	TT	AA	1940340009
SNP_P1_100137_31256308	NC_021164.1	Ca_kabuli_chr05	31256308	CC	AA	1940340011
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SNP_P1_100143_31257332	NC_021164.1	Ca_kabuli_chr05	31257332	AA	TT	1940340021
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SNP_P1_100145_31258071	NC_021164.1	Ca_kabuli_chr05	31258071	AA	GG	1940340025
SNP_P1_100147_31259127	NC_021164.1	Ca_kabuli_chr05	31259127	GG	CC	1940340027
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SNP_P1_100151_31264935	NC_021164.1	Ca_kabuli_chr05	31264935	GG	AA	1940340032
SNP_P1_100152_31265045	NC_021164.1	Ca_kabuli_chr05	31265045	CC	TT	1940340034
SNP_P1_100153_31265523	NC_021164.1	Ca_kabuli_chr05	31265523	AA	GG	1940340035
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SNP_P1_100155_31265539	NC_021164.1	Ca_kabuli_chr05	31265539	AA	GG	1940340039
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SNP_P1_100159_31266194	NC_021164.1	Ca_kabuli_chr05	31266194	TT	GG	1940340046
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SNP_P1_100162_31267978	NC_021164.1	Ca_kabuli_chr05	31267978	AA	GG	1940340051
SNP_P1_100163_31268600	NC_021164.1	Ca_kabuli_chr05	31268600	CC	TT	1940340052
SNP_P1_100164_31268611	NC_021164.1	Ca_kabuli_chr05	31268611	TT	CC	1940340054
SNP_P1_100165_31268630	NC_021164.1	Ca_kabuli_chr05	31268630	CC	TT	1940340056
SNP_P1_100166_31268674	NC_021164.1	Ca_kabuli_chr05	31268674	GG	CC	1940340058
SNP_P1_100167_31268998	NC_021164.1	Ca_kabuli_chr05	31268998	AA	GG	1940340059
SNP_P1_100169_31271325	NC_021164.1	Ca_kabuli_chr05	31271325	CC	GG	1940340061
SNP_P1_100170_31271877	NC_021164.1	Ca_kabuli_chr05	31271877	AA	GG	1940340063
SNP_P1_100171_31272103	NC_021164.1	Ca_kabuli_chr05	31272103	TT	CC	1940340064

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100173_31272177	NC_021164.1	Ca_kabuli_chr05	31272177	TT	CC	1940340068
SNP_P1_100174_31272183	NC_021164.1	Ca_kabuli_chr05	31272183	TT	CC	1940340070
SNP_P1_100175_31272185	NC_021164.1	Ca_kabuli_chr05	31272185	TT	CC	1940340071
SNP_P1_100176_31272204	NC_021164.1	Ca_kabuli_chr05	31272204	GG	TT	1940340073
SNP_P1_100177_31272286	NC_021164.1	Ca_kabuli_chr05	31272286	TT	CC	1940340075
SNP_P1_100178_31272317	NC_021164.1	Ca_kabuli_chr05	31272317	GG	TT	1940340076
SNP_P1_100179_31272391	NC_021164.1	Ca_kabuli_chr05	31272391	TT	AA	1940340078
SNP_P1_100180_31272443	NC_021164.1	Ca_kabuli_chr05	31272443	CC	TT	1940340080
SNP_P1_100181_31272447	NC_021164.1	Ca_kabuli_chr05	31272447	GG	CC	1940340082
SNP_P1_100182_31272601	NC_021164.1	Ca_kabuli_chr05	31272601	TT	CC	1940340083
SNP_P1_100183_31272731	NC_021164.1	Ca_kabuli_chr05	31272731	AA	GG	1940340085
SNP_P1_100185_31272802	NC_021164.1	Ca_kabuli_chr05	31272802	CC	AA	1940340087
SNP_P1_100186_31272875	NC_021164.1	Ca_kabuli_chr05	31272875	TT	CC	1940340089
SNP_P1_100187_31279185	NC_021164.1	Ca_kabuli_chr05	31279185	TT	GG	1940340090
SNP_P1_100188_31279193	NC_021164.1	Ca_kabuli_chr05	31279193	GG	AA	1940340092
SNP_P1_100189_31280267	NC_021164.1	Ca_kabuli_chr05	31280267	CC	TT	1940340094
SNP_P1_100190_31280594	NC_021164.1	Ca_kabuli_chr05	31280594	AA	CC	1940340095
SNP_P1_100191_31281093	NC_021164.1	Ca_kabuli_chr05	31281093	GG	AA	1940340097
SNP_P1_100192_31281106	NC_021164.1	Ca_kabuli_chr05	31281106	AA	GG	1940340099
SNP_P1_100194_31282322	NC_021164.1	Ca_kabuli_chr05	31282322	GG	AA	1940340101
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SNP_P1_100196_31282531	NC_021164.1	Ca_kabuli_chr05	31282531	GG	AA	1940340104
SNP_P1_100197_31282566	NC_021164.1	Ca_kabuli_chr05	31282566	GG	AA	1940340106
SNP_P1_100198_31282581	NC_021164.1	Ca_kabuli_chr05	31282581	AA	TT	1940340107
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SNP_P1_100200_31282854	NC_021164.1	Ca_kabuli_chr05	31282854	TT	GG	1940340111
SNP_P1_100201_31282855	NC_021164.1	Ca_kabuli_chr05	31282855	GG	AA	1940340113
SNP_P1_100202_31282877	NC_021164.1	Ca_kabuli_chr05	31282877	GG	AA	1940340114
SNP_P1_100203_31282894	NC_021164.1	Ca_kabuli_chr05	31282894	AA	GG	1940340116
SNP_P1_100204_31283080	NC_021164.1	Ca_kabuli_chr05	31283080	GG	AA	1940340118
SNP_P1_100205_31283084	NC_021164.1	Ca_kabuli_chr05	31283084	AA	TT	1940340120
SNP_P1_100206_31283358	NC_021164.1	Ca_kabuli_chr05	31283358	TT	CC	1940340121
SNP_P1_100207_31283375	NC_021164.1	Ca_kabuli_chr05	31283375	AA	CC	1940340123
SNP_P1_100208_31283383	NC_021164.1	Ca_kabuli_chr05	31283383	AA	GG	1940340125
SNP_P1_100209_31283401	NC_021164.1	Ca_kabuli_chr05	31283401	AA	GG	1940340126
SNP_P1_100210_31283905	NC_021164.1	Ca_kabuli_chr05	31283905	TT	CC	1940340128
SNP_P1_100211_31283906	NC_021164.1	Ca_kabuli_chr05	31283906	CC	TT	1940340130
SNP_P1_100212_31284206	NC_021164.1	Ca_kabuli_chr05	31284206	CC	TT	1940340132
SNP_P1_100213_31285495	NC_021164.1	Ca_kabuli_chr05	31285495	GG	TT	1940340133
SNP_P1_100214_31286463	NC_021164.1	Ca_kabuli_chr05	31286463	CC	TT	1940340135
SNP_P1_100215_31286516	NC_021164.1	Ca_kabuli_chr05	31286516	AA	GG	1940340137

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100217_31287028	NC_021164.1	Ca_kabuli_chr05	31287028	TT	CC	1940340140
SNP_P1_100218_31287040	NC_021164.1	Ca_kabuli_chr05	31287040	CC	AA	1940340142
SNP_P1_100219_31287082	NC_021164.1	Ca_kabuli_chr05	31287082	CC	TT	1940340144
SNP_P1_100221_31287127	NC_021164.1	Ca_kabuli_chr05	31287127	AA	CC	1940340145
SNP_P1_100223_31289455	NC_021164.1	Ca_kabuli_chr05	31289455	AA	GG	1940340147
SNP_P1_100224_31290133	NC_021164.1	Ca_kabuli_chr05	31290133	TT	CC	1940340149
SNP_P1_100226_31290662	NC_021164.1	Ca_kabuli_chr05	31290662	AA	GG	1940340150
SNP_P1_100227_31290899	NC_021164.1	Ca_kabuli_chr05	31290899	GG	AA	1940340152
SNP_P1_100229_31291650	NC_021164.1	Ca_kabuli_chr05	31291650	GG	AA	1940340154
SNP_P1_100231_31292009	NC_021164.1	Ca_kabuli_chr05	31292009	TT	AA	1940340156
SNP_P1_100232_31292050	NC_021164.1	Ca_kabuli_chr05	31292050	AA	GG	1940340157
SNP_P1_100233_31292397	NC_021164.1	Ca_kabuli_chr05	31292397	GG	AA	1940340159
SNP_P1_100235_31292615	NC_021164.1	Ca_kabuli_chr05	31292615	TT	CC	1940340161
SNP_P1_100236_31293607	NC_021164.1	Ca_kabuli_chr05	31293607	CC	TT	1940340163
SNP_P1_100237_31298582	NC_021164.1	Ca_kabuli_chr05	31298582	GG	AA	1940340164
SNP_P1_100238_31299553	NC_021164.1	Ca_kabuli_chr05	31299553	CC	AA	1940340166
SNP_P1_100239_31299921	NC_021164.1	Ca_kabuli_chr05	31299921	GG	CC	1940340168
SNP_P1_100240_31299924	NC_021164.1	Ca_kabuli_chr05	31299924	TT	AA	1940340169
SNP_P1_100242_31301564	NC_021164.1	Ca_kabuli_chr05	31301564	AA	TT	1940340171
SNP_P1_100243_31302732	NC_021164.1	Ca_kabuli_chr05	31302732	GG	AA	1940340173
SNP_P1_100244_31304833	NC_021164.1	Ca_kabuli_chr05	31304833	AA	GG	1940340175
SNP_P1_100245_31305079	NC_021164.1	Ca_kabuli_chr05	31305079	TT	CC	1940340176
SNP_P1_100246_31306493	NC_021164.1	Ca_kabuli_chr05	31306493	AA	GG	1940340178
SNP_P1_100247_31307102	NC_021164.1	Ca_kabuli_chr05	31307102	GG	AA	1940340180
SNP_P1_100248_31308251	NC_021164.1	Ca_kabuli_chr05	31308251	CC	TT	1940340181
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SNP_P1_100251_31308752	NC_021164.1	Ca_kabuli_chr05	31308752	CC	AA	1940340187
SNP_P1_100252_31308810	NC_021164.1	Ca_kabuli_chr05	31308810	TT	CC	1940340188
SNP_P1_100253_31310763	NC_021164.1	Ca_kabuli_chr05	31310763	TT	CC	1940340190
SNP_P1_100254_31310905	NC_021164.1	Ca_kabuli_chr05	31310905	TT	CC	1940340192
SNP_P1_100255_31311051	NC_021164.1	Ca_kabuli_chr05	31311051	GG	AA	1940340193
SNP_P1_100256_31311079	NC_021164.1	Ca_kabuli_chr05	31311079	GG	TT	1940340195
SNP_P1_100257_31311111	NC_021164.1	Ca_kabuli_chr05	31311111	TT	CC	1940340197
SNP_P1_100259_31311360	NC_021164.1	Ca_kabuli_chr05	31311360	GG	AA	1940340199
SNP_P1_100260_31311438	NC_021164.1	Ca_kabuli_chr05	31311438	GG	AA	1940340200
SNP_P1_100261_31314396	NC_021164.1	Ca_kabuli_chr05	31314396	AA	GG	1940340202
SNP_P1_100262_31314554	NC_021164.1	Ca_kabuli_chr05	31314554	CC	TT	1940340204
SNP_P1_100263_31314569	NC_021164.1	Ca_kabuli_chr05	31314569	AA	GG	1940340205
SNP_P1_100264_31315080	NC_021164.1	Ca_kabuli_chr05	31315080	GG	AA	1940340207
SNP_P1_100266_31316835	NC_021164.1	Ca_kabuli_chr05	31316835	GG	AA	1940340209

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100269_31319614	NC_021164.1	Ca_kabuli_chr05	31319614	AA	GG	1940340212
SNP_P1_100270_31319947	NC_021164.1	Ca_kabuli_chr05	31319947	AA	TT	1940340214
SNP_P1_100271_31320093	NC_021164.1	Ca_kabuli_chr05	31320093	TT	CC	1940340216
SNP_P1_100272_31320144	NC_021164.1	Ca_kabuli_chr05	31320144	CC	TT	1940340218
SNP_P1_100273_31320185	NC_021164.1	Ca_kabuli_chr05	31320185	TT	GG	1940340219
SNP_P1_100275_31320734	NC_021164.1	Ca_kabuli_chr05	31320734	CC	TT	1940340221
SNP_P1_100276_31320804	NC_021164.1	Ca_kabuli_chr05	31320804	TT	CC	1940340223
SNP_P1_100277_31320806	NC_021164.1	Ca_kabuli_chr05	31320806	GG	AA	1940340224
SNP_P1_100278_31320810	NC_021164.1	Ca_kabuli_chr05	31320810	TT	CC	1940340226
SNP_P1_100279_31321026	NC_021164.1	Ca_kabuli_chr05	31321026	TT	AA	1940340228
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SNP_P1_100281_31322639	NC_021164.1	Ca_kabuli_chr05	31322639	GG	CC	1940340231
SNP_P1_100282_31322842	NC_021164.1	Ca_kabuli_chr05	31322842	TT	CC	1940340233
SNP_P1_100283_31322909	NC_021164.1	Ca_kabuli_chr05	31322909	TT	CC	1940340235
SNP_P1_100284_31323098	NC_021164.1	Ca_kabuli_chr05	31323098	TT	CC	1940340236
SNP_P1_100285_31324233	NC_021164.1	Ca_kabuli_chr05	31324233	TT	CC	1940340238
SNP_P1_100286_31325026	NC_021164.1	Ca_kabuli_chr05	31325026	GG	AA	1940340240
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SNP_P1_100292_31325039	NC_021164.1	Ca_kabuli_chr05	31325039	CC	TT	1940340250
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SNP_P1_100294_31325153	NC_021164.1	Ca_kabuli_chr05	31325153	CC	TT	1940340254
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SNP_P1_100296_31325364	NC_021164.1	Ca_kabuli_chr05	31325364	AA	GG	1940340257
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SNP_P1_100298_31325693	NC_021164.1	Ca_kabuli_chr05	31325693	TT	GG	1940340261
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SNP_P1_100300_31326191	NC_021164.1	Ca_kabuli_chr05	31326191	AA	TT	1940340264
SNP_P1_100301_31327038	NC_021164.1	Ca_kabuli_chr05	31327038	TT	CC	1940340266
SNP_P1_100302_31327047	NC_021164.1	Ca_kabuli_chr05	31327047	TT	CC	1940340267
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SNP_P1_100306_31328151	NC_021164.1	Ca_kabuli_chr05	31328151	TT	CC	1940340274
SNP_P1_100308_31329109	NC_021164.1	Ca_kabuli_chr05	31329109	GG	AA	1940340276
SNP_P1_100309_31329157	NC_021164.1	Ca_kabuli_chr05	31329157	TT	CC	1940340278
SNP_P1_100310_31329237	NC_021164.1	Ca_kabuli_chr05	31329237	TT	CC	1940340280
SNP_P1_100311_31329687	NC_021164.1	Ca_kabuli_chr05	31329687	TT	CC	1940340281

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100314_31332316	NC_021164.1	Ca_kabuli_chr05	31332316	TT	CC	1940340286
SNP_P1_100315_31332318	NC_021164.1	Ca_kabuli_chr05	31332318	TT	AA	1940340288
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SNP_P1_100319_31334200	NC_021164.1	Ca_kabuli_chr05	31334200	GG	AA	1940340293
SNP_P1_100320_31334233	NC_021164.1	Ca_kabuli_chr05	31334233	AA	TT	1940340295
SNP_P1_100321_31334460	NC_021164.1	Ca_kabuli_chr05	31334460	AA	GG	1940340297
SNP_P1_100322_31334580	NC_021164.1	Ca_kabuli_chr05	31334580	TT	CC	1940340298
SNP_P1_100323_31334756	NC_021164.1	Ca_kabuli_chr05	31334756	GG	AA	1940340300
SNP_P1_100324_31334824	NC_021164.1	Ca_kabuli_chr05	31334824	GG	AA	1940340302
SNP_P1_100326_31334896	NC_021164.1	Ca_kabuli_chr05	31334896	AA	GG	1940340304
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SNP_P1_100328_31335067	NC_021164.1	Ca_kabuli_chr05	31335067	TT	AA	1940340307
SNP_P1_100329_31335074	NC_021164.1	Ca_kabuli_chr05	31335074	GG	AA	1940340309
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SNP_P1_100332_31336428	NC_021164.1	Ca_kabuli_chr05	31336428	CC	TT	1940340312
SNP_P1_100334_31336481	NC_021164.1	Ca_kabuli_chr05	31336481	TT	AA	1940340314
SNP_P1_100335_31337053	NC_021164.1	Ca_kabuli_chr05	31337053	AA	GG	1940340316
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SNP_P1_100337_31337167	NC_021164.1	Ca_kabuli_chr05	31337167	CC	GG	1940340319
SNP_P1_100338_31337178	NC_021164.1	Ca_kabuli_chr05	31337178	TT	AA	1940340321
SNP_P1_100339_31337180	NC_021164.1	Ca_kabuli_chr05	31337180	GG	TT	1940340323
SNP_P1_100340_31337211	NC_021164.1	Ca_kabuli_chr05	31337211	TT	CC	1940340324
SNP_P1_100341_31337213	NC_021164.1	Ca_kabuli_chr05	31337213	GG	AA	1940340326
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SNP_P1_100345_31338771	NC_021164.1	Ca_kabuli_chr05	31338771	GG	CC	1940340333
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SNP_P1_100347_31340345	NC_021164.1	Ca_kabuli_chr05	31340345	TT	AA	1940340336
SNP_P1_100348_31340364	NC_021164.1	Ca_kabuli_chr05	31340364	AA	TT	1940340338
SNP_P1_100349_31341064	NC_021164.1	Ca_kabuli_chr05	31341064	TT	CC	1940340340
SNP_P1_100350_31341193	NC_021164.1	Ca_kabuli_chr05	31341193	AA	TT	1940340341
SNP_P1_100351_31341231	NC_021164.1	Ca_kabuli_chr05	31341231	AA	CC	1940340343
SNP_P1_100352_31341276	NC_021164.1	Ca_kabuli_chr05	31341276	GG	AA	1940340345
SNP_P1_100353_31341297	NC_021164.1	Ca_kabuli_chr05	31341297	TT	GG	1940340347
SNP_P1_100354_31342477	NC_021164.1	Ca_kabuli_chr05	31342477	AA	TT	1940340348
SNP_P1_100355_31342605	NC_021164.1	Ca_kabuli_chr05	31342605	AA	GG	1940340350
SNP_P1_100356_31342620	NC_021164.1	Ca_kabuli_chr05	31342620	AA	GG	1940340352
SNP_P1_100357_31342662	NC_021164.1	Ca_kabuli_chr05	31342662	AA	GG	1940340354

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100360_31345310	NC_021164.1	Ca_kabuli_chr05	31345310	GG	CC	1940340359
SNP_P1_100361_31346495	NC_021164.1	Ca_kabuli_chr05	31346495	TT	AA	1940340360
SNP_P1_100362_31346496	NC_021164.1	Ca_kabuli_chr05	31346496	GG	TT	1940340362
SNP_P1_100363_31348827	NC_021164.1	Ca_kabuli_chr05	31348827	TT	AA	1940340364
SNP_P1_100364_31349267	NC_021164.1	Ca_kabuli_chr05	31349267	TT	AA	1940340366
SNP_P1_100365_31349988	NC_021164.1	Ca_kabuli_chr05	31349988	GG	TT	1940340367
SNP_P1_100366_31350021	NC_021164.1	Ca_kabuli_chr05	31350021	AA	GG	1940340369
SNP_P1_100367_31350819	NC_021164.1	Ca_kabuli_chr05	31350819	CC	GG	1940340371
SNP_P1_100368_31350826	NC_021164.1	Ca_kabuli_chr05	31350826	GG	TT	1940340372
SNP_P1_100369_31351106	NC_021164.1	Ca_kabuli_chr05	31351106	TT	GG	1940340374
SNP_P1_100370_31351219	NC_021164.1	Ca_kabuli_chr05	31351219	AA	TT	1940340376
SNP_P1_100371_31351270	NC_021164.1	Ca_kabuli_chr05	31351270	CC	AA	1940340378
SNP_P1_100372_31351277	NC_021164.1	Ca_kabuli_chr05	31351277	AA	GG	1940340379
SNP_P1_100374_31351474	NC_021164.1	Ca_kabuli_chr05	31351474	AA	GG	1940340381
SNP_P1_100375_31352860	NC_021164.1	Ca_kabuli_chr05	31352860	TT	CC	1940340383
SNP_P1_100376_31352909	NC_021164.1	Ca_kabuli_chr05	31352909	GG	AA	1940340385
SNP_P1_100377_31353106	NC_021164.1	Ca_kabuli_chr05	31353106	GG	AA	1940340386
SNP_P1_100378_31353111	NC_021164.1	Ca_kabuli_chr05	31353111	TT	CC	1940340388
SNP_P1_100379_31353112	NC_021164.1	Ca_kabuli_chr05	31353112	AA	CC	1940340390
SNP_P1_100380_31353118	NC_021164.1	Ca_kabuli_chr05	31353118	AA	TT	1940340391
SNP_P1_100381_31353157	NC_021164.1	Ca_kabuli_chr05	31353157	CC	TT	1940340393
SNP_P1_100382_31353306	NC_021164.1	Ca_kabuli_chr05	31353306	CC	TT	1940340395
SNP_P1_100383_31353313	NC_021164.1	Ca_kabuli_chr05	31353313	TT	GG	1940340397
SNP_P1_100384_31354480	NC_021164.1	Ca_kabuli_chr05	31354480	GG	AA	1940340398
SNP_P1_100385_31355391	NC_021164.1	Ca_kabuli_chr05	31355391	AA	GG	1940340400
SNP_P1_100386_31355505	NC_021164.1	Ca_kabuli_chr05	31355505	TT	CC	1940340402
SNP_P1_100387_31355538	NC_021164.1	Ca_kabuli_chr05	31355538	TT	GG	1940340403
SNP_P1_100389_31355856	NC_021164.1	Ca_kabuli_chr05	31355856	AA	GG	1940340405
SNP_P1_100390_31357509	NC_021164.1	Ca_kabuli_chr05	31357509	GG	CC	1940340407
SNP_P1_100392_31359971	NC_021164.1	Ca_kabuli_chr05	31359971	CC	AA	1940340409
SNP_P1_100393_31360025	NC_021164.1	Ca_kabuli_chr05	31360025	TT	GG	1940340410
SNP_P1_100394_31361262	NC_021164.1	Ca_kabuli_chr05	31361262	GG	TT	1940340412
SNP_P1_100395_31361295	NC_021164.1	Ca_kabuli_chr05	31361295	AA	CC	1940340414
SNP_P1_100396_31361362	NC_021164.1	Ca_kabuli_chr05	31361362	GG	AA	1940340415
SNP_P1_100397_31361366	NC_021164.1	Ca_kabuli_chr05	31361366	AA	GG	1940340417
SNP_P1_100398_31361525	NC_021164.1	Ca_kabuli_chr05	31361525	AA	TT	1940340419
SNP_P1_100399_31361538	NC_021164.1	Ca_kabuli_chr05	31361538	TT	CC	1940340421
SNP_P1_100400_31361937	NC_021164.1	Ca_kabuli_chr05	31361937	TT	GG	1940340422
SNP_P1_100401_31362169	NC_021164.1	Ca_kabuli_chr05	31362169	TT	CC	1940340424
SNP_P1_100402_31362710	NC_021164.1	Ca_kabuli_chr05	31362710	TT	CC	1940340426

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100404_31362757	NC_021164.1	Ca_kabuli_chr05	31362757	AA	GG	1940340429
SNP_P1_100405_31362776	NC_021164.1	Ca_kabuli_chr05	31362776	GG	AA	1940340431
SNP_P1_100406_31362990	NC_021164.1	Ca_kabuli_chr05	31362990	CC	GG	1940340433
SNP_P1_100407_31363008	NC_021164.1	Ca_kabuli_chr05	31363008	CC	TT	1940340434
SNP_P1_100408_31363009	NC_021164.1	Ca_kabuli_chr05	31363009	CC	TT	1940340436
SNP_P1_100409_31364432	NC_021164.1	Ca_kabuli_chr05	31364432	AA	GG	1940340438
SNP_P1_100411_31364667	NC_021164.1	Ca_kabuli_chr05	31364667	GG	AA	1940340440
SNP_P1_100412_31365184	NC_021164.1	Ca_kabuli_chr05	31365184	AA	TT	1940340441
SNP_P1_100413_31365418	NC_021164.1	Ca_kabuli_chr05	31365418	CC	AA	1940340443
SNP_P1_100414_31365878	NC_021164.1	Ca_kabuli_chr05	31365878	TT	GG	1940340445
SNP_P1_100415_31365913	NC_021164.1	Ca_kabuli_chr05	31365913	AA	GG	1940340446
SNP_P1_100416_31367525	NC_021164.1	Ca_kabuli_chr05	31367525	CC	TT	1940340448
SNP_P1_100417_31367709	NC_021164.1	Ca_kabuli_chr05	31367709	TT	GG	1940340450
SNP_P1_100418_31368053	NC_021164.1	Ca_kabuli_chr05	31368053	TT	CC	1940340452
SNP_P1_100419_31368647	NC_021164.1	Ca_kabuli_chr05	31368647	TT	CC	1940340453
SNP_P1_100420_31370414	NC_021164.1	Ca_kabuli_chr05	31370414	AA	GG	1940340455
SNP_P1_100422_31371482	NC_021164.1	Ca_kabuli_chr05	31371482	CC	AA	1940340457
SNP_P1_100423_31371834	NC_021164.1	Ca_kabuli_chr05	31371834	AA	CC	1940340459
SNP_P1_100424_31374796	NC_021164.1	Ca_kabuli_chr05	31374796	TT	AA	1940340460
SNP_P1_100425_31374803	NC_021164.1	Ca_kabuli_chr05	31374803	CC	AA	1940340462
SNP_P1_100426_31375146	NC_021164.1	Ca_kabuli_chr05	31375146	GG	TT	1940340464
SNP_P1_100428_31375709	NC_021164.1	Ca_kabuli_chr05	31375709	GG	AA	1940340465
SNP_P1_100429_31376112	NC_021164.1	Ca_kabuli_chr05	31376112	AA	GG	1940340467
SNP_P1_100430_31376159	NC_021164.1	Ca_kabuli_chr05	31376159	CC	TT	1940340469
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SNP_P1_100434_31376227	NC_021164.1	Ca_kabuli_chr05	31376227	CC	TT	1940340476
SNP_P1_100435_31377399	NC_021164.1	Ca_kabuli_chr05	31377399	GG	AA	1940340477
SNP_P1_100436_31377661	NC_021164.1	Ca_kabuli_chr05	31377661	AA	TT	1940340479
SNP_P1_100437_31377957	NC_021164.1	Ca_kabuli_chr05	31377957	AA	GG	1940340481
SNP_P1_100438_31378325	NC_021164.1	Ca_kabuli_chr05	31378325	TT	CC	1940340483
SNP_P1_100439_31378737	NC_021164.1	Ca_kabuli_chr05	31378737	GG	AA	1940340484
SNP_P1_100440_31379141	NC_021164.1	Ca_kabuli_chr05	31379141	GG	CC	1940340486
SNP_P1_100441_31380456	NC_021164.1	Ca_kabuli_chr05	31380456	TT	GG	1940340488
SNP_P1_100444_31388843	NC_021164.1	Ca_kabuli_chr05	31388843	AA	GG	1940340490
SNP_P1_100445_31390258	NC_021164.1	Ca_kabuli_chr05	31390258	AA	GG	1940340491
SNP_P1_100446_31392154	NC_021164.1	Ca_kabuli_chr05	31392154	AA	GG	1940340493
SNP_P1_100447_31392417	NC_021164.1	Ca_kabuli_chr05	31392417	CC	TT	1940340495
SNP_P1_100448_31392431	NC_021164.1	Ca_kabuli_chr05	31392431	TT	GG	1940340496
SNP_P1_100449_31392433	NC_021164.1	Ca_kabuli_chr05	31392433	GG	TT	1940340498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100451_31392455	NC_021164.1	Ca_kabuli_chr05	31392455	TT	AA	1940340502
SNP_P1_100452_31392462	NC_021164.1	Ca_kabuli_chr05	31392462	AA	CC	1940340503
SNP_P1_100453_31392466	NC_021164.1	Ca_kabuli_chr05	31392466	TT	CC	1940340505
SNP_P1_100454_31392467	NC_021164.1	Ca_kabuli_chr05	31392467	GG	CC	1940340507
SNP_P1_100455_31392503	NC_021164.1	Ca_kabuli_chr05	31392503	GG	AA	1940340508
SNP_P1_100456_31392532	NC_021164.1	Ca_kabuli_chr05	31392532	GG	AA	1940340510
SNP_P1_100457_31392541	NC_021164.1	Ca_kabuli_chr05	31392541	AA	GG	1940340512
SNP_P1_100458_31392542	NC_021164.1	Ca_kabuli_chr05	31392542	GG	AA	1940340514
SNP_P1_100459_31392553	NC_021164.1	Ca_kabuli_chr05	31392553	GG	AA	1940340515
SNP_P1_100460_31392725	NC_021164.1	Ca_kabuli_chr05	31392725	GG	TT	1940340517
SNP_P1_100461_31392998	NC_021164.1	Ca_kabuli_chr05	31392998	TT	CC	1940340519
SNP_P1_100462_31393002	NC_021164.1	Ca_kabuli_chr05	31393002	TT	CC	1940340521
SNP_P1_100463_31393628	NC_021164.1	Ca_kabuli_chr05	31393628	GG	TT	1940340522
SNP_P1_100465_31393823	NC_021164.1	Ca_kabuli_chr05	31393823	TT	GG	1940340524
SNP_P1_100466_31393879	NC_021164.1	Ca_kabuli_chr05	31393879	AA	TT	1940340526
SNP_P1_100467_31393880	NC_021164.1	Ca_kabuli_chr05	31393880	TT	AA	1940340527
SNP_P1_100468_31395120	NC_021164.1	Ca_kabuli_chr05	31395120	TT	CC	1940340529
SNP_P1_100469_31395154	NC_021164.1	Ca_kabuli_chr05	31395154	GG	AA	1940340531
SNP_P1_100470_31395191	NC_021164.1	Ca_kabuli_chr05	31395191	AA	CC	1940340533
SNP_P1_100471_31396811	NC_021164.1	Ca_kabuli_chr05	31396811	CC	TT	1940340534
SNP_P1_100472_31398400	NC_021164.1	Ca_kabuli_chr05	31398400	GG	AA	1940340536
SNP_P1_100473_31398532	NC_021164.1	Ca_kabuli_chr05	31398532	AA	GG	1940340538
SNP_P1_100474_31398533	NC_021164.1	Ca_kabuli_chr05	31398533	AA	TT	1940340540
SNP_P1_100475_31406310	NC_021164.1	Ca_kabuli_chr05	31406310	CC	TT	1940340541
SNP_P1_100476_31407843	NC_021164.1	Ca_kabuli_chr05	31407843	CC	GG	1940340543
SNP_P1_100477_31409271	NC_021164.1	Ca_kabuli_chr05	31409271	AA	GG	1940340545
SNP_P1_100478_31409534	NC_021164.1	Ca_kabuli_chr05	31409534	GG	AA	1940340546
SNP_P1_100480_31410103	NC_021164.1	Ca_kabuli_chr05	31410103	CC	TT	1940340548
SNP_P1_100481_31411187	NC_021164.1	Ca_kabuli_chr05	31411187	CC	TT	1940340550
SNP_P1_100483_31411584	NC_021164.1	Ca_kabuli_chr05	31411584	CC	TT	1940340552
SNP_P1_100484_31411761	NC_021164.1	Ca_kabuli_chr05	31411761	CC	TT	1940340553
SNP_P1_100486_31412380	NC_021164.1	Ca_kabuli_chr05	31412380	CC	TT	1940340555
SNP_P1_100487_31412419	NC_021164.1	Ca_kabuli_chr05	31412419	AA	CC	1940340557
SNP_P1_100488_31412548	NC_021164.1	Ca_kabuli_chr05	31412548	GG	AA	1940340558
SNP_P1_100489_31412571	NC_021164.1	Ca_kabuli_chr05	31412571	TT	CC	1940340560
SNP_P1_100490_31412583	NC_021164.1	Ca_kabuli_chr05	31412583	TT	CC	1940340562
SNP_P1_100491_31412603	NC_021164.1	Ca_kabuli_chr05	31412603	CC	TT	1940340564
SNP_P1_100492_31412605	NC_021164.1	Ca_kabuli_chr05	31412605	CC	TT	1940340565
SNP_P1_100493_31412613	NC_021164.1	Ca_kabuli_chr05	31412613	CC	TT	1940340567
SNP_P1_100494_31412643	NC_021164.1	Ca_kabuli_chr05	31412643	CC	TT	1940340569
SNP_P1_100495_31413660	NC_021164.1	Ca_kabuli_chr05	31413660	TT	AA	1940340571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100497_31414189	NC_021164.1	Ca_kabuli_chr05	31414189	AA	GG	1940340574
SNP_P1_100498_31414193	NC_021164.1	Ca_kabuli_chr05	31414193	CC	TT	1940340576
SNP_P1_100499_31415099	NC_021164.1	Ca_kabuli_chr05	31415099	CC	TT	1940340577
SNP_P1_100500_31415126	NC_021164.1	Ca_kabuli_chr05	31415126	AA	GG	1940340579
SNP_P1_100501_31415129	NC_021164.1	Ca_kabuli_chr05	31415129	AA	GG	1940340581
SNP_P1_100502_31415202	NC_021164.1	Ca_kabuli_chr05	31415202	CC	AA	1940340583
SNP_P1_100503_31416939	NC_021164.1	Ca_kabuli_chr05	31416939	GG	AA	1940340584
SNP_P1_100504_31417855	NC_021164.1	Ca_kabuli_chr05	31417855	CC	GG	1940340586
SNP_P1_100505_31418084	NC_021164.1	Ca_kabuli_chr05	31418084	GG	AA	1940340588
SNP_P1_100506_31418172	NC_021164.1	Ca_kabuli_chr05	31418172	GG	AA	1940340589
SNP_P1_100508_31419652	NC_021164.1	Ca_kabuli_chr05	31419652	GG	AA	1940340591
SNP_P1_100509_31419678	NC_021164.1	Ca_kabuli_chr05	31419678	CC	GG	1940340593
SNP_P1_100510_31419923	NC_021164.1	Ca_kabuli_chr05	31419923	GG	AA	1940340595
SNP_P1_100511_31420149	NC_021164.1	Ca_kabuli_chr05	31420149	AA	CC	1940340596
SNP_P1_100512_31420209	NC_021164.1	Ca_kabuli_chr05	31420209	CC	AA	1940340598
SNP_P1_100514_31420243	NC_021164.1	Ca_kabuli_chr05	31420243	TT	AA	1940340600
SNP_P1_100515_31420251	NC_021164.1	Ca_kabuli_chr05	31420251	GG	AA	1940340602
SNP_P1_100516_31420256	NC_021164.1	Ca_kabuli_chr05	31420256	AA	GG	1940340603
SNP_P1_100517_31420355	NC_021164.1	Ca_kabuli_chr05	31420355	CC	TT	1940340605
SNP_P1_100518_31420365	NC_021164.1	Ca_kabuli_chr05	31420365	AA	TT	1940340607
SNP_P1_100519_31420366	NC_021164.1	Ca_kabuli_chr05	31420366	AA	TT	1940340608
SNP_P1_100520_31420426	NC_021164.1	Ca_kabuli_chr05	31420426	TT	CC	1940340610
SNP_P1_100521_31420442	NC_021164.1	Ca_kabuli_chr05	31420442	GG	AA	1940340612
SNP_P1_100522_31420460	NC_021164.1	Ca_kabuli_chr05	31420460	AA	GG	1940340614
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SNP_P1_100525_31420591	NC_021164.1	Ca_kabuli_chr05	31420591	GG	CC	1940340619
SNP_P1_100526_31420593	NC_021164.1	Ca_kabuli_chr05	31420593	GG	AA	1940340620
SNP_P1_100527_31420627	NC_021164.1	Ca_kabuli_chr05	31420627	AA	TT	1940340622
SNP_P1_100528_31420865	NC_021164.1	Ca_kabuli_chr05	31420865	AA	CC	1940340624
SNP_P1_100529_31420900	NC_021164.1	Ca_kabuli_chr05	31420900	AA	TT	1940340626
SNP_P1_100530_31421424	NC_021164.1	Ca_kabuli_chr05	31421424	TT	CC	1940340627
SNP_P1_100532_31421482	NC_021164.1	Ca_kabuli_chr05	31421482	GG	AA	1940340629
SNP_P1_100534_31421696	NC_021164.1	Ca_kabuli_chr05	31421696	TT	CC	1940340631
SNP_P1_100535_31421697	NC_021164.1	Ca_kabuli_chr05	31421697	CC	TT	1940340633
SNP_P1_100537_31422763	NC_021164.1	Ca_kabuli_chr05	31422763	AA	GG	1940340634
SNP_P1_100539_31425248	NC_021164.1	Ca_kabuli_chr05	31425248	AA	GG	1940340636
SNP_P1_100540_31425575	NC_021164.1	Ca_kabuli_chr05	31425575	TT	CC	1940340638
SNP_P1_100541_31425940	NC_021164.1	Ca_kabuli_chr05	31425940	TT	AA	1940340639
SNP_P1_100542_31425941	NC_021164.1	Ca_kabuli_chr05	31425941	TT	AA	1940340641
SNP_P1_100543_31425942	NC_021164.1	Ca_kabuli_chr05	31425942	TT	AA	1940340643

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100547_31427821	NC_021164.1	Ca_kabuli_chr05	31427821	GG	AA	1940340650
SNP_P1_100548_31428019	NC_021164.1	Ca_kabuli_chr05	31428019	CC	TT	1940340651
SNP_P1_100549_31428172	NC_021164.1	Ca_kabuli_chr05	31428172	GG	TT	1940340653
SNP_P1_100550_31428640	NC_021164.1	Ca_kabuli_chr05	31428640	CC	AA	1940340655
SNP_P1_100551_31428661	NC_021164.1	Ca_kabuli_chr05	31428661	AA	GG	1940340657
SNP_P1_100552_31429135	NC_021164.1	Ca_kabuli_chr05	31429135	CC	TT	1940340658
SNP_P1_100554_31429397	NC_021164.1	Ca_kabuli_chr05	31429397	AA	GG	1940340660
SNP_P1_100555_31429430	NC_021164.1	Ca_kabuli_chr05	31429430	TT	GG	1940340662
SNP_P1_100556_31429548	NC_021164.1	Ca_kabuli_chr05	31429548	AA	TT	1940340664
SNP_P1_100557_31429558	NC_021164.1	Ca_kabuli_chr05	31429558	CC	TT	1940340665
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SNP_P1_100561_31429638	NC_021164.1	Ca_kabuli_chr05	31429638	AA	CC	1940340672
SNP_P1_100562_31429844	NC_021164.1	Ca_kabuli_chr05	31429844	CC	AA	1940340674
SNP_P1_100563_31431021	NC_021164.1	Ca_kabuli_chr05	31431021	TT	AA	1940340676
SNP_P1_100564_31434231	NC_021164.1	Ca_kabuli_chr05	31434231	TT	CC	1940340677
SNP_P1_100565_31434275	NC_021164.1	Ca_kabuli_chr05	31434275	CC	TT	1940340679
SNP_P1_100566_31434913	NC_021164.1	Ca_kabuli_chr05	31434913	CC	GG	1940340681
SNP_P1_100567_31434937	NC_021164.1	Ca_kabuli_chr05	31434937	CC	TT	1940340682
SNP_P1_100568_31435010	NC_021164.1	Ca_kabuli_chr05	31435010	GG	AA	1940340684
SNP_P1_100569_31435023	NC_021164.1	Ca_kabuli_chr05	31435023	AA	GG	1940340686
SNP_P1_100570_31435077	NC_021164.1	Ca_kabuli_chr05	31435077	AA	GG	1940340688
SNP_P1_100571_31435094	NC_021164.1	Ca_kabuli_chr05	31435094	CC	TT	1940340689
SNP_P1_100573_31435229	NC_021164.1	Ca_kabuli_chr05	31435229	TT	CC	1940340691
SNP_P1_100574_31435419	NC_021164.1	Ca_kabuli_chr05	31435419	TT	CC	1940340693
SNP_P1_100575_31435426	NC_021164.1	Ca_kabuli_chr05	31435426	CC	TT	1940340695
SNP_P1_100576_31435430	NC_021164.1	Ca_kabuli_chr05	31435430	CC	TT	1940340696
SNP_P1_100577_31436584	NC_021164.1	Ca_kabuli_chr05	31436584	AA	CC	1940340698
SNP_P1_100578_31436634	NC_021164.1	Ca_kabuli_chr05	31436634	CC	AA	1940340700
SNP_P1_100579_31437011	NC_021164.1	Ca_kabuli_chr05	31437011	CC	TT	1940340701
SNP_P1_100580_31437034	NC_021164.1	Ca_kabuli_chr05	31437034	AA	TT	1940340703
SNP_P1_100581_31437168	NC_021164.1	Ca_kabuli_chr05	31437168	CC	TT	1940340705
SNP_P1_100582_31437289	NC_021164.1	Ca_kabuli_chr05	31437289	TT	AA	1940340707
SNP_P1_100583_31438946	NC_021164.1	Ca_kabuli_chr05	31438946	GG	AA	1940340708
SNP_P1_100584_31440235	NC_021164.1	Ca_kabuli_chr05	31440235	GG	AA	1940340710
SNP_P1_100585_31440365	NC_021164.1	Ca_kabuli_chr05	31440365	CC	AA	1940340712
SNP_P1_100586_31440395	NC_021164.1	Ca_kabuli_chr05	31440395	CC	GG	1940340713
SNP_P1_100587_31440578	NC_021164.1	Ca_kabuli_chr05	31440578	GG	AA	1940340715

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100589_31440793	NC_021164.1	Ca_kabuli_chr05	31440793	GG	CC	1940340719
SNP_P1_100590_31440876	NC_021164.1	Ca_kabuli_chr05	31440876	TT	AA	1940340720
SNP_P1_100591_31440923	NC_021164.1	Ca_kabuli_chr05	31440923	CC	GG	1940340722
SNP_P1_100592_31440932	NC_021164.1	Ca_kabuli_chr05	31440932	TT	CC	1940340724
SNP_P1_100593_31440959	NC_021164.1	Ca_kabuli_chr05	31440959	GG	TT	1940340726
SNP_P1_100594_31440962	NC_021164.1	Ca_kabuli_chr05	31440962	AA	TT	1940340727
SNP_P1_100595_31440974	NC_021164.1	Ca_kabuli_chr05	31440974	GG	TT	1940340729
SNP_P1_100596_31440989	NC_021164.1	Ca_kabuli_chr05	31440989	TT	AA	1940340731
SNP_P1_100597_31441007	NC_021164.1	Ca_kabuli_chr05	31441007	AA	GG	1940340732
SNP_P1_100598_31441104	NC_021164.1	Ca_kabuli_chr05	31441104	GG	CC	1940340734
SNP_P1_100599_31441114	NC_021164.1	Ca_kabuli_chr05	31441114	AA	TT	1940340736
SNP_P1_100600_31441143	NC_021164.1	Ca_kabuli_chr05	31441143	AA	GG	1940340738
SNP_P1_100601_31441171	NC_021164.1	Ca_kabuli_chr05	31441171	GG	TT	1940340739
SNP_P1_100602_31441215	NC_021164.1	Ca_kabuli_chr05	31441215	TT	AA	1940340741
SNP_P1_100603_31441346	NC_021164.1	Ca_kabuli_chr05	31441346	GG	AA	1940340743
SNP_P1_100604_31442393	NC_021164.1	Ca_kabuli_chr05	31442393	GG	AA	1940340744
SNP_P1_100605_31442504	NC_021164.1	Ca_kabuli_chr05	31442504	GG	CC	1940340746
SNP_P1_100606_31442506	NC_021164.1	Ca_kabuli_chr05	31442506	TT	AA	1940340748
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SNP_P1_100608_31442777	NC_021164.1	Ca_kabuli_chr05	31442777	AA	TT	1940340751
SNP_P1_100609_31443604	NC_021164.1	Ca_kabuli_chr05	31443604	GG	TT	1940340753
SNP_P1_100610_31443618	NC_021164.1	Ca_kabuli_chr05	31443618	GG	AA	1940340755
SNP_P1_100611_31443622	NC_021164.1	Ca_kabuli_chr05	31443622	AA	GG	1940340757
SNP_P1_100612_31443642	NC_021164.1	Ca_kabuli_chr05	31443642	AA	GG	1940340758
SNP_P1_100613_31443654	NC_021164.1	Ca_kabuli_chr05	31443654	GG	TT	1940340760
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SNP_P1_100615_31443707	NC_021164.1	Ca_kabuli_chr05	31443707	TT	CC	1940340763
SNP_P1_100616_31444016	NC_021164.1	Ca_kabuli_chr05	31444016	GG	AA	1940340765
SNP_P1_100617_31446136	NC_021164.1	Ca_kabuli_chr05	31446136	GG	AA	1940340767
SNP_P1_100618_31450114	NC_021164.1	Ca_kabuli_chr05	31450114	GG	TT	1940340769
SNP_P1_100619_31450462	NC_021164.1	Ca_kabuli_chr05	31450462	AA	CC	1940340770
SNP_P1_100620_31451542	NC_021164.1	Ca_kabuli_chr05	31451542	GG	CC	1940340772
SNP_P1_100621_31451774	NC_021164.1	Ca_kabuli_chr05	31451774	TT	CC	1940340774
SNP_P1_100622_31451854	NC_021164.1	Ca_kabuli_chr05	31451854	CC	AA	1940340775
SNP_P1_100623_31451939	NC_021164.1	Ca_kabuli_chr05	31451939	GG	AA	1940340777
SNP_P1_100624_31452050	NC_021164.1	Ca_kabuli_chr05	31452050	AA	GG	1940340779
SNP_P1_100625_31455255	NC_021164.1	Ca_kabuli_chr05	31455255	AA	TT	1940340781
SNP_P1_100626_31455373	NC_021164.1	Ca_kabuli_chr05	31455373	GG	TT	1940340782
SNP_P1_100627_31456391	NC_021164.1	Ca_kabuli_chr05	31456391	AA	GG	1940340784
SNP_P1_100628_31456550	NC_021164.1	Ca_kabuli_chr05	31456550	GG	AA	1940340786
SNP_P1_100629_31456559	NC_021164.1	Ca_kabuli_chr05	31456559	GG	TT	1940340788

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100631_31456913	NC_021164.1	Ca_kabuli_chr05	31456913	AA	GG	1940340791
SNP_P1_100632_31456925	NC_021164.1	Ca_kabuli_chr05	31456925	GG	AA	1940340793
SNP_P1_100633_31457182	NC_021164.1	Ca_kabuli_chr05	31457182	AA	GG	1940340794
SNP_P1_100634_31457752	NC_021164.1	Ca_kabuli_chr05	31457752	AA	GG	1940340796
SNP_P1_100635_31457753	NC_021164.1	Ca_kabuli_chr05	31457753	AA	CC	1940340798
SNP_P1_100636_31457771	NC_021164.1	Ca_kabuli_chr05	31457771	CC	TT	1940340800
SNP_P1_100637_31457806	NC_021164.1	Ca_kabuli_chr05	31457806	AA	GG	1940340801
SNP_P1_100638_31457854	NC_021164.1	Ca_kabuli_chr05	31457854	GG	AA	1940340803
SNP_P1_100639_31457950	NC_021164.1	Ca_kabuli_chr05	31457950	CC	TT	1940340805
SNP_P1_100640_31457970	NC_021164.1	Ca_kabuli_chr05	31457970	CC	AA	1940340807
SNP_P1_100641_31458033	NC_021164.1	Ca_kabuli_chr05	31458033	CC	GG	1940340808
SNP_P1_100642_31458038	NC_021164.1	Ca_kabuli_chr05	31458038	CC	AA	1940340810
SNP_P1_100643_31459557	NC_021164.1	Ca_kabuli_chr05	31459557	TT	CC	1940340812
SNP_P1_100644_31460398	NC_021164.1	Ca_kabuli_chr05	31460398	TT	GG	1940340813
SNP_P1_100645_31460408	NC_021164.1	Ca_kabuli_chr05	31460408	GG	CC	1940340815
SNP_P1_100646_31460946	NC_021164.1	Ca_kabuli_chr05	31460946	AA	TT	1940340817
SNP_P1_100647_31463009	NC_021164.1	Ca_kabuli_chr05	31463009	AA	GG	1940340819
SNP_P1_100648_31463347	NC_021164.1	Ca_kabuli_chr05	31463347	CC	AA	1940340820
SNP_P1_100649_31463966	NC_021164.1	Ca_kabuli_chr05	31463966	AA	TT	1940340822
SNP_P1_100650_31469932	NC_021164.1	Ca_kabuli_chr05	31469932	GG	AA	1940340824
SNP_P1_100651_31469935	NC_021164.1	Ca_kabuli_chr05	31469935	AA	GG	1940340825
SNP_P1_100652_31470101	NC_021164.1	Ca_kabuli_chr05	31470101	CC	TT	1940340827
SNP_P1_100653_31470599	NC_021164.1	Ca_kabuli_chr05	31470599	CC	AA	1940340829
SNP_P1_100654_31470619	NC_021164.1	Ca_kabuli_chr05	31470619	TT	CC	1940340831
SNP_P1_100655_31471084	NC_021164.1	Ca_kabuli_chr05	31471084	TT	GG	1940340832
SNP_P1_100656_31471353	NC_021164.1	Ca_kabuli_chr05	31471353	TT	AA	1940340834
SNP_P1_100658_31472988	NC_021164.1	Ca_kabuli_chr05	31472988	TT	AA	1940340836
SNP_P1_100659_31473852	NC_021164.1	Ca_kabuli_chr05	31473852	AA	GG	1940340838
SNP_P1_100660_31473859	NC_021164.1	Ca_kabuli_chr05	31473859	TT	GG	1940340839
SNP_P1_100661_31473903	NC_021164.1	Ca_kabuli_chr05	31473903	AA	GG	1940340841
SNP_P1_100662_31473905	NC_021164.1	Ca_kabuli_chr05	31473905	CC	TT	1940340843
SNP_P1_100663_31473906	NC_021164.1	Ca_kabuli_chr05	31473906	AA	TT	1940340844
SNP_P1_100664_31473913	NC_021164.1	Ca_kabuli_chr05	31473913	CC	TT	1940340846
SNP_P1_100666_31474797	NC_021164.1	Ca_kabuli_chr05	31474797	AA	GG	1940340848
SNP_P1_100667_31474922	NC_021164.1	Ca_kabuli_chr05	31474922	GG	TT	1940340850
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SNP_P1_100670_31475138	NC_021164.1	Ca_kabuli_chr05	31475138	GG	AA	1940340853
SNP_P1_100671_31475186	NC_021164.1	Ca_kabuli_chr05	31475186	CC	TT	1940340855
SNP_P1_100672_31475720	NC_021164.1	Ca_kabuli_chr05	31475720	AA	TT	1940340856
SNP_P1_100673_31475809	NC_021164.1	Ca_kabuli_chr05	31475809	AA	GG	1940340858
SNP_P1_100674_31481473	NC_021164.1	Ca_kabuli_chr05	31481473	TT	GG	1940340860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100677_31482073	NC_021164.1	Ca_kabuli_chr05	31482073	TT	GG	1940340863
SNP_P1_100678_31482103	NC_021164.1	Ca_kabuli_chr05	31482103	CC	TT	1940340865
SNP_P1_100679_31482223	NC_021164.1	Ca_kabuli_chr05	31482223	GG	TT	1940340867
SNP_P1_100680_31482238	NC_021164.1	Ca_kabuli_chr05	31482238	GG	AA	1940340869
SNP_P1_100681_31482242	NC_021164.1	Ca_kabuli_chr05	31482242	TT	CC	1940340870
SNP_P1_100682_31482536	NC_021164.1	Ca_kabuli_chr05	31482536	AA	GG	1940340872
SNP_P1_100683_31482586	NC_021164.1	Ca_kabuli_chr05	31482586	CC	TT	1940340874
SNP_P1_100684_31482887	NC_021164.1	Ca_kabuli_chr05	31482887	CC	GG	1940340875
SNP_P1_100685_31482896	NC_021164.1	Ca_kabuli_chr05	31482896	CC	TT	1940340877
SNP_P1_100686_31483066	NC_021164.1	Ca_kabuli_chr05	31483066	AA	GG	1940340879
SNP_P1_100687_31483070	NC_021164.1	Ca_kabuli_chr05	31483070	AA	TT	1940340881
SNP_P1_100689_31483245	NC_021164.1	Ca_kabuli_chr05	31483245	AA	TT	1940340882
SNP_P1_100691_31483465	NC_021164.1	Ca_kabuli_chr05	31483465	CC	TT	1940340884
SNP_P1_100692_31483466	NC_021164.1	Ca_kabuli_chr05	31483466	GG	AA	1940340886
SNP_P1_100693_31483475	NC_021164.1	Ca_kabuli_chr05	31483475	AA	GG	1940340887
SNP_P1_100694_31483575	NC_021164.1	Ca_kabuli_chr05	31483575	TT	CC	1940340889
SNP_P1_100695_31483577	NC_021164.1	Ca_kabuli_chr05	31483577	GG	AA	1940340891
SNP_P1_100696_31483579	NC_021164.1	Ca_kabuli_chr05	31483579	TT	AA	1940340893
SNP_P1_100697_31483767	NC_021164.1	Ca_kabuli_chr05	31483767	GG	AA	1940340894
SNP_P1_100698_31483803	NC_021164.1	Ca_kabuli_chr05	31483803	GG	AA	1940340896
SNP_P1_100699_31485927	NC_021164.1	Ca_kabuli_chr05	31485927	AA	TT	1940340898
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SNP_P1_100701_31485945	NC_021164.1	Ca_kabuli_chr05	31485945	AA	CC	1940340901
SNP_P1_100702_31485946	NC_021164.1	Ca_kabuli_chr05	31485946	TT	CC	1940340903
SNP_P1_100703_31486853	NC_021164.1	Ca_kabuli_chr05	31486853	AA	CC	1940340905
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SNP_P1_100706_31487163	NC_021164.1	Ca_kabuli_chr05	31487163	GG	TT	1940340908
SNP_P1_100707_31487165	NC_021164.1	Ca_kabuli_chr05	31487165	TT	CC	1940340910
SNP_P1_100708_31487311	NC_021164.1	Ca_kabuli_chr05	31487311	TT	AA	1940340912
SNP_P1_100709_31487315	NC_021164.1	Ca_kabuli_chr05	31487315	TT	AA	1940340913
SNP_P1_100710_31488110	NC_021164.1	Ca_kabuli_chr05	31488110	CC	TT	1940340915
SNP_P1_100711_31488450	NC_021164.1	Ca_kabuli_chr05	31488450	CC	TT	1940340917
SNP_P1_100712_31488470	NC_021164.1	Ca_kabuli_chr05	31488470	CC	TT	1940340918
SNP_P1_100713_31488502	NC_021164.1	Ca_kabuli_chr05	31488502	AA	TT	1940340920
SNP_P1_100714_31488543	NC_021164.1	Ca_kabuli_chr05	31488543	GG	AA	1940340922
SNP_P1_100715_31489240	NC_021164.1	Ca_kabuli_chr05	31489240	CC	TT	1940340924
SNP_P1_100718_31489854	NC_021164.1	Ca_kabuli_chr05	31489854	AA	GG	1940340925
SNP_P1_100719_31490717	NC_021164.1	Ca_kabuli_chr05	31490717	TT	CC	1940340927
SNP_P1_100720_31492504	NC_021164.1	Ca_kabuli_chr05	31492504	GG	AA	1940340929
SNP_P1_100721_31493136	NC_021164.1	Ca_kabuli_chr05	31493136	GG	AA	1940340931
SNP_P1_100722_31493732	NC_021164.1	Ca_kabuli_chr05	31493732	TT	CC	1940340932

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100724_31494807	NC_021164.1	Ca_kabuli_chr05	31494807	CC	GG	1940340936
SNP_P1_100725_31495308	NC_021164.1	Ca_kabuli_chr05	31495308	CC	AA	1940340937
SNP_P1_100726_31495607	NC_021164.1	Ca_kabuli_chr05	31495607	CC	AA	1940340939
SNP_P1_100727_31495921	NC_021164.1	Ca_kabuli_chr05	31495921	AA	TT	1940340941
SNP_P1_100728_31498359	NC_021164.1	Ca_kabuli_chr05	31498359	AA	CC	1940340943
SNP_P1_100729_31499613	NC_021164.1	Ca_kabuli_chr05	31499613	GG	CC	1940340944
SNP_P1_100730_31499634	NC_021164.1	Ca_kabuli_chr05	31499634	AA	TT	1940340946
SNP_P1_100731_31500761	NC_021164.1	Ca_kabuli_chr05	31500761	TT	AA	1940340948
SNP_P1_100732_31501302	NC_021164.1	Ca_kabuli_chr05	31501302	AA	CC	1940340949
SNP_P1_100733_31502647	NC_021164.1	Ca_kabuli_chr05	31502647	AA	GG	1940340951
SNP_P1_100734_31502946	NC_021164.1	Ca_kabuli_chr05	31502946	GG	AA	1940340953
SNP_P1_100735_31503807	NC_021164.1	Ca_kabuli_chr05	31503807	CC	TT	1940340955
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SNP_P1_100737_31506208	NC_021164.1	Ca_kabuli_chr05	31506208	CC	TT	1940340958
SNP_P1_100738_31506255	NC_021164.1	Ca_kabuli_chr05	31506255	TT	AA	1940340960
SNP_P1_100739_31506290	NC_021164.1	Ca_kabuli_chr05	31506290	TT	CC	1940340962
SNP_P1_100740_31506361	NC_021164.1	Ca_kabuli_chr05	31506361	AA	TT	1940340963
SNP_P1_100741_31506420	NC_021164.1	Ca_kabuli_chr05	31506420	GG	AA	1940340965
SNP_P1_100742_31506424	NC_021164.1	Ca_kabuli_chr05	31506424	TT	GG	1940340967
SNP_P1_100743_31506430	NC_021164.1	Ca_kabuli_chr05	31506430	AA	GG	1940340968
SNP_P1_100745_31506904	NC_021164.1	Ca_kabuli_chr05	31506904	CC	TT	1940340970
SNP_P1_100746_31508205	NC_021164.1	Ca_kabuli_chr05	31508205	GG	AA	1940340972
SNP_P1_100747_31508335	NC_021164.1	Ca_kabuli_chr05	31508335	GG	TT	1940340974
SNP_P1_100748_31508374	NC_021164.1	Ca_kabuli_chr05	31508374	TT	CC	1940340975
SNP_P1_100749_31508426	NC_021164.1	Ca_kabuli_chr05	31508426	AA	TT	1940340977
SNP_P1_100750_31508440	NC_021164.1	Ca_kabuli_chr05	31508440	GG	AA	1940340979
SNP_P1_100751_31508455	NC_021164.1	Ca_kabuli_chr05	31508455	TT	AA	1940340980
SNP_P1_100752_31508702	NC_021164.1	Ca_kabuli_chr05	31508702	TT	GG	1940340982
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SNP_P1_100755_31515102	NC_021164.1	Ca_kabuli_chr05	31515102	CC	TT	1940340987
SNP_P1_100756_31515589	NC_021164.1	Ca_kabuli_chr05	31515589	TT	GG	1940340989
SNP_P1_100757_31515847	NC_021164.1	Ca_kabuli_chr05	31515847	TT	CC	1940340991
SNP_P1_100758_31517150	NC_021164.1	Ca_kabuli_chr05	31517150	AA	TT	1940340993
SNP_P1_100759_31519008	NC_021164.1	Ca_kabuli_chr05	31519008	CC	TT	1940340994
SNP_P1_100760_31522307	NC_021164.1	Ca_kabuli_chr05	31522307	CC	TT	1940340996
SNP_P1_100761_31522324	NC_021164.1	Ca_kabuli_chr05	31522324	CC	AA	1940340998
SNP_P1_100762_31523493	NC_021164.1	Ca_kabuli_chr05	31523493	AA	CC	1940341000
SNP_P1_100763_31523934	NC_021164.1	Ca_kabuli_chr05	31523934	CC	TT	1940341001
SNP_P1_100764_31523994	NC_021164.1	Ca_kabuli_chr05	31523994	CC	TT	1940341003
SNP_P1_100765_31524315	NC_021164.1	Ca_kabuli_chr05	31524315	AA	GG	1940341005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_100766_31525902	NC_021164.1	Ca_kabuli_chr05	31525902	GG	TT	1940341006
SNP_P1_100767_31526306	NC_021164.1	Ca_kabuli_chr05	31526306	AA	GG	1940341008
SNP_P1_100768_31526357	NC_021164.1	Ca_kabuli_chr05	31526357	CC	AA	1940341010
SNP_P1_100769_31526431	NC_021164.1	Ca_kabuli_chr05	31526431	CC	TT	1940341012
SNP_P1_100770_31526610	NC_021164.1	Ca_kabuli_chr05	31526610	CC	TT	1940341013
SNP_P1_100773_31527708	NC_021164.1	Ca_kabuli_chr05	31527708	GG	TT	1940341015
SNP_P1_100774_31529364	NC_021164.1	Ca_kabuli_chr05	31529364	AA	TT	1940341017
SNP_P1_100775_31531880	NC_021164.1	Ca_kabuli_chr05	31531880	AA	CC	1940341019
SNP_P1_100776_31531909	NC_021164.1	Ca_kabuli_chr05	31531909	TT	CC	1940341020
SNP_P1_100777_31532158	NC_021164.1	Ca_kabuli_chr05	31532158	AA	TT	1940341022
SNP_P1_100778_31532228	NC_021164.1	Ca_kabuli_chr05	31532228	AA	GG	1940341024
SNP_P1_100779_31532405	NC_021164.1	Ca_kabuli_chr05	31532405	CC	TT	1940341025
SNP_P1_100781_31533020	NC_021164.1	Ca_kabuli_chr05	31533020	GG	TT	1940341027
SNP_P1_100783_31533725	NC_021164.1	Ca_kabuli_chr05	31533725	CC	GG	1940341029
SNP_P1_100784_31534407	NC_021164.1	Ca_kabuli_chr05	31534407	TT	AA	1940341031
SNP_P1_100785_31534432	NC_021164.1	Ca_kabuli_chr05	31534432	GG	AA	1940341032
SNP_P1_100786_31534447	NC_021164.1	Ca_kabuli_chr05	31534447	AA	CC	1940341034
SNP_P1_100787_31534604	NC_021164.1	Ca_kabuli_chr05	31534604	GG	AA	1940341036
SNP_P1_100788_31534802	NC_021164.1	Ca_kabuli_chr05	31534802	GG	AA	1940341038
SNP_P1_100789_31537056	NC_021164.1	Ca_kabuli_chr05	31537056	TT	CC	1940341039
SNP_P1_100790_31537757	NC_021164.1	Ca_kabuli_chr05	31537757	AA	TT	1940341041
SNP_P1_100791_31537803	NC_021164.1	Ca_kabuli_chr05	31537803	CC	TT	1940341043
SNP_P1_100792_31538412	NC_021164.1	Ca_kabuli_chr05	31538412	GG	AA	1940341044
SNP_P1_100793_31538414	NC_021164.1	Ca_kabuli_chr05	31538414	GG	AA	1940341046
SNP_P1_100794_31538548	NC_021164.1	Ca_kabuli_chr05	31538548	TT	CC	1940341048
SNP_P1_100795_31538555	NC_021164.1	Ca_kabuli_chr05	31538555	GG	CC	1940341050
SNP_P1_100796_31538917	NC_021164.1	Ca_kabuli_chr05	31538917	GG	TT	1940341051
SNP_P1_100797_31538949	NC_021164.1	Ca_kabuli_chr05	31538949	GG	CC	1940341053
SNP_P1_100798_31538968	NC_021164.1	Ca_kabuli_chr05	31538968	TT	AA	1940341055
SNP_P1_100799_31539311	NC_021164.1	Ca_kabuli_chr05	31539311	GG	AA	1940341057
SNP_P1_100800_31539329	NC_021164.1	Ca_kabuli_chr05	31539329	GG	TT	1940341058
SNP_P1_100801_31539357	NC_021164.1	Ca_kabuli_chr05	31539357	TT	CC	1940341060
SNP_P1_100802_31539597	NC_021164.1	Ca_kabuli_chr05	31539597	AA	GG	1940341062
SNP_P1_100803_31539602	NC_021164.1	Ca_kabuli_chr05	31539602	AA	TT	1940341063
SNP_P1_100807_31540261	NC_021164.1	Ca_kabuli_chr05	31540261	AA	GG	1940341065
SNP_P1_100808_31540930	NC_021164.1	Ca_kabuli_chr05	31540930	TT	GG	1940341067
SNP_P1_100809_31540934	NC_021164.1	Ca_kabuli_chr05	31540934	TT	AA	1940341069
SNP_P1_100810_31542640	NC_021164.1	Ca_kabuli_chr05	31542640	AA	GG	1940341070
SNP_P1_100811_31542686	NC_021164.1	Ca_kabuli_chr05	31542686	AA	GG	1940341072
SNP_P1_100812_31544867	NC_021164.1	Ca_kabuli_chr05	31544867	CC	TT	1940341074
SNP_P1_100813_31545063	NC_021164.1	Ca_kabuli_chr05	31545063	AA	GG	1940341076
SNP_P1_100814_31545399	NC_021164.1	Ca_kabuli_chr05	31545399	CC	TT	1940341077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100817_31546201	NC_021164.1	Ca_kabuli_chr05	31546201	CC	TT	1940341081
SNP_P1_100818_31547781	NC_021164.1	Ca_kabuli_chr05	31547781	TT	CC	1940341082
SNP_P1_100819_31548780	NC_021164.1	Ca_kabuli_chr05	31548780	GG	CC	1940341084
SNP_P1_100821_31549016	NC_021164.1	Ca_kabuli_chr05	31549016	AA	TT	1940341086
SNP_P1_100823_31549269	NC_021164.1	Ca_kabuli_chr05	31549269	TT	CC	1940341088
SNP_P1_100824_31549309	NC_021164.1	Ca_kabuli_chr05	31549309	GG	AA	1940341089
SNP_P1_100825_31549311	NC_021164.1	Ca_kabuli_chr05	31549311	AA	GG	1940341091
SNP_P1_100828_31552863	NC_021164.1	Ca_kabuli_chr05	31552863	TT	AA	1940341093
SNP_P1_100829_31552871	NC_021164.1	Ca_kabuli_chr05	31552871	TT	GG	1940341095
SNP_P1_100830_31555235	NC_021164.1	Ca_kabuli_chr05	31555235	CC	TT	1940341096
SNP_P1_100831_31555656	NC_021164.1	Ca_kabuli_chr05	31555656	TT	CC	1940341098
SNP_P1_100832_31557972	NC_021164.1	Ca_kabuli_chr05	31557972	GG	TT	1940341100
SNP_P1_100833_31558395	NC_021164.1	Ca_kabuli_chr05	31558395	GG	AA	1940341102
SNP_P1_100834_31558398	NC_021164.1	Ca_kabuli_chr05	31558398	AA	TT	1940341103
SNP_P1_100835_31558712	NC_021164.1	Ca_kabuli_chr05	31558712	GG	TT	1940341105
SNP_P1_100836_31559057	NC_021164.1	Ca_kabuli_chr05	31559057	CC	AA	1940341107
SNP_P1_100837_31559060	NC_021164.1	Ca_kabuli_chr05	31559060	GG	AA	1940341108
SNP_P1_100838_31559071	NC_021164.1	Ca_kabuli_chr05	31559071	TT	AA	1940341110
SNP_P1_100839_31559139	NC_021164.1	Ca_kabuli_chr05	31559139	TT	CC	1940341112
SNP_P1_100840_31559141	NC_021164.1	Ca_kabuli_chr05	31559141	AA	CC	1940341114
SNP_P1_100841_31560518	NC_021164.1	Ca_kabuli_chr05	31560518	TT	CC	1940341115
SNP_P1_100843_31560896	NC_021164.1	Ca_kabuli_chr05	31560896	TT	CC	1940341117
SNP_P1_100844_31561317	NC_021164.1	Ca_kabuli_chr05	31561317	TT	CC	1940341119
SNP_P1_100845_31561564	NC_021164.1	Ca_kabuli_chr05	31561564	GG	AA	1940341121
SNP_P1_100846_31561601	NC_021164.1	Ca_kabuli_chr05	31561601	TT	CC	1940341122
SNP_P1_100847_31561610	NC_021164.1	Ca_kabuli_chr05	31561610	CC	AA	1940341124
SNP_P1_100848_31561612	NC_021164.1	Ca_kabuli_chr05	31561612	AA	CC	1940341126
SNP_P1_100849_31562586	NC_021164.1	Ca_kabuli_chr05	31562586	AA	CC	1940341127
SNP_P1_100850_31562589	NC_021164.1	Ca_kabuli_chr05	31562589	TT	CC	1940341129
SNP_P1_100851_31562607	NC_021164.1	Ca_kabuli_chr05	31562607	TT	CC	1940341131
SNP_P1_100852_31562660	NC_021164.1	Ca_kabuli_chr05	31562660	AA	GG	1940341133
SNP_P1_100853_31562668	NC_021164.1	Ca_kabuli_chr05	31562668	GG	TT	1940341134
SNP_P1_100854_31562771	NC_021164.1	Ca_kabuli_chr05	31562771	GG	AA	1940341136
SNP_P1_100855_31562948	NC_021164.1	Ca_kabuli_chr05	31562948	TT	AA	1940341138
SNP_P1_100857_31563071	NC_021164.1	Ca_kabuli_chr05	31563071	TT	CC	1940341140
SNP_P1_100858_31563084	NC_021164.1	Ca_kabuli_chr05	31563084	TT	CC	1940341141
SNP_P1_100859_31563368	NC_021164.1	Ca_kabuli_chr05	31563368	AA	TT	1940341143
SNP_P1_100860_31564007	NC_021164.1	Ca_kabuli_chr05	31564007	AA	GG	1940341145
SNP_P1_100861_31565430	NC_021164.1	Ca_kabuli_chr05	31565430	CC	TT	1940341147
SNP_P1_100862_31565621	NC_021164.1	Ca_kabuli_chr05	31565621	TT	GG	1940341148
SNP_P1_100863_31566460	NC_021164.1	Ca_kabuli_chr05	31566460	TT	CC	1940341150

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100865_31567139	NC_021164.1	Ca_kabuli_chr05	31567139	GG	AA	1940341153
SNP_P1_100866_31567377	NC_021164.1	Ca_kabuli_chr05	31567377	GG	AA	1940341155
SNP_P1_100867_31567507	NC_021164.1	Ca_kabuli_chr05	31567507	CC	AA	1940341157
SNP_P1_100868_31567510	NC_021164.1	Ca_kabuli_chr05	31567510	TT	CC	1940341159
SNP_P1_100869_31567513	NC_021164.1	Ca_kabuli_chr05	31567513	TT	CC	1940341160
SNP_P1_100870_31567524	NC_021164.1	Ca_kabuli_chr05	31567524	TT	CC	1940341162
SNP_P1_100871_31567558	NC_021164.1	Ca_kabuli_chr05	31567558	TT	CC	1940341164
SNP_P1_100872_31567567	NC_021164.1	Ca_kabuli_chr05	31567567	AA	CC	1940341166
SNP_P1_100873_31570190	NC_021164.1	Ca_kabuli_chr05	31570190	CC	AA	1940341167
SNP_P1_100874_31570194	NC_021164.1	Ca_kabuli_chr05	31570194	AA	TT	1940341169
SNP_P1_100875_31570195	NC_021164.1	Ca_kabuli_chr05	31570195	AA	TT	1940341171
SNP_P1_100876_31570256	NC_021164.1	Ca_kabuli_chr05	31570256	TT	AA	1940341172
SNP_P1_100877_31570258	NC_021164.1	Ca_kabuli_chr05	31570258	AA	CC	1940341174
SNP_P1_100878_31570610	NC_021164.1	Ca_kabuli_chr05	31570610	AA	GG	1940341176
SNP_P1_100879_31570898	NC_021164.1	Ca_kabuli_chr05	31570898	TT	AA	1940341178
SNP_P1_100880_31573311	NC_021164.1	Ca_kabuli_chr05	31573311	TT	GG	1940341179
SNP_P1_100881_31573344	NC_021164.1	Ca_kabuli_chr05	31573344	AA	GG	1940341181
SNP_P1_100882_31574870	NC_021164.1	Ca_kabuli_chr05	31574870	CC	TT	1940341183
SNP_P1_100883_31575519	NC_021164.1	Ca_kabuli_chr05	31575519	CC	TT	1940341185
SNP_P1_100884_31584253	NC_021164.1	Ca_kabuli_chr05	31584253	GG	AA	1940341186
SNP_P1_100885_31584265	NC_021164.1	Ca_kabuli_chr05	31584265	TT	CC	1940341188
SNP_P1_100886_31584292	NC_021164.1	Ca_kabuli_chr05	31584292	GG	TT	1940341190
SNP_P1_100887_31584324	NC_021164.1	Ca_kabuli_chr05	31584324	CC	AA	1940341191
SNP_P1_100888_31585599	NC_021164.1	Ca_kabuli_chr05	31585599	CC	TT	1940341193
SNP_P1_100889_31585622	NC_021164.1	Ca_kabuli_chr05	31585622	TT	CC	1940341195
SNP_P1_100890_31585628	NC_021164.1	Ca_kabuli_chr05	31585628	CC	GG	1940341197
SNP_P1_100892_31585683	NC_021164.1	Ca_kabuli_chr05	31585683	CC	TT	1940341198
SNP_P1_100893_31585691	NC_021164.1	Ca_kabuli_chr05	31585691	TT	CC	1940341200
SNP_P1_100894_31585800	NC_021164.1	Ca_kabuli_chr05	31585800	AA	TT	1940341202
SNP_P1_100895_31585806	NC_021164.1	Ca_kabuli_chr05	31585806	AA	GG	1940341204
SNP_P1_100896_31586241	NC_021164.1	Ca_kabuli_chr05	31586241	GG	AA	1940341205
SNP_P1_100897_31587038	NC_021164.1	Ca_kabuli_chr05	31587038	TT	AA	1940341207
SNP_P1_100898_31587139	NC_021164.1	Ca_kabuli_chr05	31587139	CC	AA	1940341209
SNP_P1_100899_31587838	NC_021164.1	Ca_kabuli_chr05	31587838	AA	GG	1940341210
SNP_P1_100900_31587976	NC_021164.1	Ca_kabuli_chr05	31587976	AA	GG	1940341212
SNP_P1_100901_31588419	NC_021164.1	Ca_kabuli_chr05	31588419	GG	CC	1940341214
SNP_P1_100903_31590517	NC_021164.1	Ca_kabuli_chr05	31590517	TT	GG	1940341216
SNP_P1_100904_31590519	NC_021164.1	Ca_kabuli_chr05	31590519	AA	GG	1940341217
SNP_P1_100906_31590762	NC_021164.1	Ca_kabuli_chr05	31590762	TT	CC	1940341219
SNP_P1_100907_31591360	NC_021164.1	Ca_kabuli_chr05	31591360	TT	AA	1940341221
SNP_P1_100910_31594188	NC_021164.1	Ca_kabuli_chr05	31594188	CC	AA	1940341223

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100912_31595315	NC_021164.1	Ca_kabuli_chr05	31595315	TT	GG	1940341226
SNP_P1_100913_31596286	NC_021164.1	Ca_kabuli_chr05	31596286	AA	TT	1940341228
SNP_P1_100914_31596287	NC_021164.1	Ca_kabuli_chr05	31596287	AA	CC	1940341230
SNP_P1_100915_31596865	NC_021164.1	Ca_kabuli_chr05	31596865	TT	CC	1940341231
SNP_P1_100916_31596866	NC_021164.1	Ca_kabuli_chr05	31596866	AA	GG	1940341233
SNP_P1_100917_31596893	NC_021164.1	Ca_kabuli_chr05	31596893	AA	TT	1940341235
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SNP_P1_100920_31597044	NC_021164.1	Ca_kabuli_chr05	31597044	AA	GG	1940341240
SNP_P1_100921_31597209	NC_021164.1	Ca_kabuli_chr05	31597209	TT	GG	1940341242
SNP_P1_100922_31597225	NC_021164.1	Ca_kabuli_chr05	31597225	TT	CC	1940341243
SNP_P1_100923_31597233	NC_021164.1	Ca_kabuli_chr05	31597233	AA	TT	1940341245
SNP_P1_100924_31597277	NC_021164.1	Ca_kabuli_chr05	31597277	GG	CC	1940341247
SNP_P1_100925_31597385	NC_021164.1	Ca_kabuli_chr05	31597385	GG	AA	1940341249
SNP_P1_100926_31597389	NC_021164.1	Ca_kabuli_chr05	31597389	CC	GG	1940341250
SNP_P1_100927_31597579	NC_021164.1	Ca_kabuli_chr05	31597579	AA	GG	1940341252
SNP_P1_100928_31598752	NC_021164.1	Ca_kabuli_chr05	31598752	CC	TT	1940341254
SNP_P1_100929_31598944	NC_021164.1	Ca_kabuli_chr05	31598944	TT	CC	1940341256
SNP_P1_100930_31599474	NC_021164.1	Ca_kabuli_chr05	31599474	GG	AA	1940341257
SNP_P1_100931_31599530	NC_021164.1	Ca_kabuli_chr05	31599530	TT	CC	1940341259
SNP_P1_100932_31599532	NC_021164.1	Ca_kabuli_chr05	31599532	AA	TT	1940341261
SNP_P1_100933_31599551	NC_021164.1	Ca_kabuli_chr05	31599551	TT	GG	1940341262
SNP_P1_100934_31599589	NC_021164.1	Ca_kabuli_chr05	31599589	CC	TT	1940341264
SNP_P1_100935_31599846	NC_021164.1	Ca_kabuli_chr05	31599846	GG	AA	1940341266
SNP_P1_100936_31600019	NC_021164.1	Ca_kabuli_chr05	31600019	CC	GG	1940341268
SNP_P1_100937_31600025	NC_021164.1	Ca_kabuli_chr05	31600025	CC	TT	1940341269
SNP_P1_100938_31600026	NC_021164.1	Ca_kabuli_chr05	31600026	CC	TT	1940341271
SNP_P1_100939_31600385	NC_021164.1	Ca_kabuli_chr05	31600385	AA	GG	1940341273
SNP_P1_100940_31600431	NC_021164.1	Ca_kabuli_chr05	31600431	CC	TT	1940341275
SNP_P1_100941_31601911	NC_021164.1	Ca_kabuli_chr05	31601911	CC	TT	1940341276
SNP_P1_100942_31603051	NC_021164.1	Ca_kabuli_chr05	31603051	TT	AA	1940341278
SNP_P1_100943_31603475	NC_021164.1	Ca_kabuli_chr05	31603475	CC	TT	1940341280
SNP_P1_100944_31603477	NC_021164.1	Ca_kabuli_chr05	31603477	GG	AA	1940341281
SNP_P1_100945_31603568	NC_021164.1	Ca_kabuli_chr05	31603568	TT	CC	1940341283
SNP_P1_100946_31603661	NC_021164.1	Ca_kabuli_chr05	31603661	CC	AA	1940341285
SNP_P1_100947_31603665	NC_021164.1	Ca_kabuli_chr05	31603665	TT	AA	1940341287
SNP_P1_100948_31603693	NC_021164.1	Ca_kabuli_chr05	31603693	CC	TT	1940341288
SNP_P1_100949_31603969	NC_021164.1	Ca_kabuli_chr05	31603969	CC	TT	1940341290
SNP_P1_100950_31604326	NC_021164.1	Ca_kabuli_chr05	31604326	TT	CC	1940341292
SNP_P1_100951_31604339	NC_021164.1	Ca_kabuli_chr05	31604339	TT	CC	1940341294
SNP_P1_100952_31604368	NC_021164.1	Ca_kabuli_chr05	31604368	TT	CC	1940341295

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_100954_31604538	NC_021164.1	Ca_kabuli_chr05	31604538	TT	CC	1940341299
SNP_P1_100955_31604613	NC_021164.1	Ca_kabuli_chr05	31604613	GG	AA	1940341301
SNP_P1_100956_31604633	NC_021164.1	Ca_kabuli_chr05	31604633	TT	GG	1940341302
SNP_P1_100957_31605034	NC_021164.1	Ca_kabuli_chr05	31605034	GG	TT	1940341304
SNP_P1_100958_31606850	NC_021164.1	Ca_kabuli_chr05	31606850	TT	CC	1940341306
SNP_P1_100959_31606851	NC_021164.1	Ca_kabuli_chr05	31606851	CC	TT	1940341307
SNP_P1_100960_31607188	NC_021164.1	Ca_kabuli_chr05	31607188	AA	GG	1940341309
SNP_P1_100961_31607197	NC_021164.1	Ca_kabuli_chr05	31607197	CC	TT	1940341311
SNP_P1_100962_31608283	NC_021164.1	Ca_kabuli_chr05	31608283	TT	CC	1940341313
SNP_P1_100964_31609454	NC_021164.1	Ca_kabuli_chr05	31609454	TT	AA	1940341314
SNP_P1_100966_31609712	NC_021164.1	Ca_kabuli_chr05	31609712	AA	GG	1940341316
SNP_P1_100967_31609716	NC_021164.1	Ca_kabuli_chr05	31609716	CC	TT	1940341318
SNP_P1_100968_31609924	NC_021164.1	Ca_kabuli_chr05	31609924	CC	GG	1940341320
SNP_P1_100969_31609972	NC_021164.1	Ca_kabuli_chr05	31609972	TT	CC	1940341321
SNP_P1_100970_31609992	NC_021164.1	Ca_kabuli_chr05	31609992	TT	AA	1940341323
SNP_P1_100971_31609994	NC_021164.1	Ca_kabuli_chr05	31609994	TT	CC	1940341325
SNP_P1_100972_31610014	NC_021164.1	Ca_kabuli_chr05	31610014	TT	CC	1940341326
SNP_P1_100973_31610019	NC_021164.1	Ca_kabuli_chr05	31610019	TT	CC	1940341328
SNP_P1_100974_31610227	NC_021164.1	Ca_kabuli_chr05	31610227	CC	TT	1940341330
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SNP_P1_100978_31610691	NC_021164.1	Ca_kabuli_chr05	31610691	AA	CC	1940341337
SNP_P1_100980_31612669	NC_021164.1	Ca_kabuli_chr05	31612669	GG	AA	1940341339
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SNP_P1_100984_31614641	NC_021164.1	Ca_kabuli_chr05	31614641	CC	TT	1940341342
SNP_P1_100985_31614679	NC_021164.1	Ca_kabuli_chr05	31614679	GG	AA	1940341344
SNP_P1_100986_31614795	NC_021164.1	Ca_kabuli_chr05	31614795	CC	TT	1940341346
SNP_P1_100987_31619486	NC_021164.1	Ca_kabuli_chr05	31619486	GG	AA	1940341347
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SNP_P1_100989_31620789	NC_021164.1	Ca_kabuli_chr05	31620789	TT	CC	1940341351
SNP_P1_100990_31621167	NC_021164.1	Ca_kabuli_chr05	31621167	GG	AA	1940341352
SNP_P1_100992_31621649	NC_021164.1	Ca_kabuli_chr05	31621649	CC	TT	1940341354
SNP_P1_100993_31621673	NC_021164.1	Ca_kabuli_chr05	31621673	AA	CC	1940341356
SNP_P1_100994_31621898	NC_021164.1	Ca_kabuli_chr05	31621898	TT	GG	1940341358
SNP_P1_100995_31623379	NC_021164.1	Ca_kabuli_chr05	31623379	AA	TT	1940341359
SNP_P1_100996_31623687	NC_021164.1	Ca_kabuli_chr05	31623687	CC	AA	1940341361
SNP_P1_100997_31624815	NC_021164.1	Ca_kabuli_chr05	31624815	TT	AA	1940341363
SNP_P1_100998_31626259	NC_021164.1	Ca_kabuli_chr05	31626259	TT	AA	1940341365
SNP_P1_100999_31626362	NC_021164.1	Ca_kabuli_chr05	31626362	GG	AA	1940341366
SNP_P1_101000_31626368	NC_021164.1	Ca_kabuli_chr05	31626368	TT	AA	1940341368

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101003_31628108	NC_021164.1	Ca_kabuli_chr05	31628108	TT	GG	1940341373
SNP_P1_101004_31629713	NC_021164.1	Ca_kabuli_chr05	31629713	CC	AA	1940341375
SNP_P1_101005_31630316	NC_021164.1	Ca_kabuli_chr05	31630316	CC	TT	1940341377
SNP_P1_101006_31630473	NC_021164.1	Ca_kabuli_chr05	31630473	CC	AA	1940341378
SNP_P1_101007_31630588	NC_021164.1	Ca_kabuli_chr05	31630588	CC	TT	1940341380
SNP_P1_101008_31631078	NC_021164.1	Ca_kabuli_chr05	31631078	AA	CC	1940341382
SNP_P1_101011_31631392	NC_021164.1	Ca_kabuli_chr05	31631392	GG	CC	1940341384
SNP_P1_101012_31632384	NC_021164.1	Ca_kabuli_chr05	31632384	TT	AA	1940341385
SNP_P1_101013_31632641	NC_021164.1	Ca_kabuli_chr05	31632641	CC	TT	1940341387
SNP_P1_101014_31632645	NC_021164.1	Ca_kabuli_chr05	31632645	AA	CC	1940341389
SNP_P1_101015_31632681	NC_021164.1	Ca_kabuli_chr05	31632681	GG	CC	1940341390
SNP_P1_101016_31632781	NC_021164.1	Ca_kabuli_chr05	31632781	TT	CC	1940341392
SNP_P1_101017_31632830	NC_021164.1	Ca_kabuli_chr05	31632830	CC	AA	1940341394
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SNP_P1_101025_31633962	NC_021164.1	Ca_kabuli_chr05	31633962	GG	AA	1940341404
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SNP_P1_101037_31635834	NC_021164.1	Ca_kabuli_chr05	31635834	GG	TT	1940341425
SNP_P1_101038_31635846	NC_021164.1	Ca_kabuli_chr05	31635846	AA	GG	1940341427
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SNP_P1_101040_31636488	NC_021164.1	Ca_kabuli_chr05	31636488	GG	CC	1940341430
SNP_P1_101041_31636515	NC_021164.1	Ca_kabuli_chr05	31636515	AA	TT	1940341432
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SNP_P1_101043_31636907	NC_021164.1	Ca_kabuli_chr05	31636907	CC	AA	1940341435
SNP_P1_101044_31636912	NC_021164.1	Ca_kabuli_chr05	31636912	AA	TT	1940341437
SNP_P1_101045_31636922	NC_021164.1	Ca_kabuli_chr05	31636922	AA	GG	1940341439
SNP_P1_101046_31636947	NC_021164.1	Ca_kabuli_chr05	31636947	GG	AA	1940341441

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101049_31637505	NC_021164.1	Ca_kabuli_chr05	31637505	TT	GG	1940341446
SNP_P1_101050_31639141	NC_021164.1	Ca_kabuli_chr05	31639141	AA	CC	1940341448
SNP_P1_101051_31639410	NC_021164.1	Ca_kabuli_chr05	31639410	GG	AA	1940341449
SNP_P1_101052_31639464	NC_021164.1	Ca_kabuli_chr05	31639464	CC	GG	1940341451
SNP_P1_101053_31639793	NC_021164.1	Ca_kabuli_chr05	31639793	AA	GG	1940341453
SNP_P1_101054_31639845	NC_021164.1	Ca_kabuli_chr05	31639845	TT	CC	1940341455
SNP_P1_101055_31641216	NC_021164.1	Ca_kabuli_chr05	31641216	TT	CC	1940341456
SNP_P1_101056_31641268	NC_021164.1	Ca_kabuli_chr05	31641268	GG	TT	1940341458
SNP_P1_101058_31641543	NC_021164.1	Ca_kabuli_chr05	31641543	AA	GG	1940341460
SNP_P1_101059_31641548	NC_021164.1	Ca_kabuli_chr05	31641548	GG	TT	1940341461
SNP_P1_101060_31641914	NC_021164.1	Ca_kabuli_chr05	31641914	TT	CC	1940341463
SNP_P1_101061_31642415	NC_021164.1	Ca_kabuli_chr05	31642415	TT	CC	1940341465
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SNP_P1_101063_31642784	NC_021164.1	Ca_kabuli_chr05	31642784	AA	CC	1940341468
SNP_P1_101064_31642814	NC_021164.1	Ca_kabuli_chr05	31642814	CC	TT	1940341470
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SNP_P1_101073_31647683	NC_021164.1	Ca_kabuli_chr05	31647683	CC	TT	1940341482
SNP_P1_101074_31648057	NC_021164.1	Ca_kabuli_chr05	31648057	AA	GG	1940341484
SNP_P1_101075_31648083	NC_021164.1	Ca_kabuli_chr05	31648083	TT	CC	1940341486
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SNP_P1_101077_31648246	NC_021164.1	Ca_kabuli_chr05	31648246	GG	AA	1940341489
SNP_P1_101078_31648488	NC_021164.1	Ca_kabuli_chr05	31648488	AA	CC	1940341491
SNP_P1_101079_31648500	NC_021164.1	Ca_kabuli_chr05	31648500	CC	TT	1940341493
SNP_P1_101080_31648530	NC_021164.1	Ca_kabuli_chr05	31648530	GG	AA	1940341494
SNP_P1_101081_31649079	NC_021164.1	Ca_kabuli_chr05	31649079	TT	CC	1940341496
SNP_P1_101082_31649103	NC_021164.1	Ca_kabuli_chr05	31649103	GG	AA	1940341498
SNP_P1_101083_31650091	NC_021164.1	Ca_kabuli_chr05	31650091	AA	GG	1940341500
SNP_P1_101084_31650214	NC_021164.1	Ca_kabuli_chr05	31650214	CC	AA	1940341501
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SNP_P1_101086_31650889	NC_021164.1	Ca_kabuli_chr05	31650889	TT	AA	1940341505
SNP_P1_101087_31650893	NC_021164.1	Ca_kabuli_chr05	31650893	CC	TT	1940341506
SNP_P1_101088_31651002	NC_021164.1	Ca_kabuli_chr05	31651002	CC	TT	1940341508
SNP_P1_101089_31651009	NC_021164.1	Ca_kabuli_chr05	31651009	TT	CC	1940341510
SNP_P1_101090_31652137	NC_021164.1	Ca_kabuli_chr05	31652137	GG	TT	1940341512
SNP_P1_101091_31652176	NC_021164.1	Ca_kabuli_chr05	31652176	AA	TT	1940341513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101093_31652202	NC_021164.1	Ca_kabuli_chr05	31652202	TT	CC	1940341517
SNP_P1_101094_31652258	NC_021164.1	Ca_kabuli_chr05	31652258	CC	TT	1940341519
SNP_P1_101095_31652326	NC_021164.1	Ca_kabuli_chr05	31652326	CC	GG	1940341520
SNP_P1_101096_31655524	NC_021164.1	Ca_kabuli_chr05	31655524	TT	GG	1940341522
SNP_P1_101097_31656163	NC_021164.1	Ca_kabuli_chr05	31656163	TT	GG	1940341524
SNP_P1_101098_31656459	NC_021164.1	Ca_kabuli_chr05	31656459	GG	TT	1940341525
SNP_P1_101099_31656544	NC_021164.1	Ca_kabuli_chr05	31656544	GG	AA	1940341527
SNP_P1_101100_31656584	NC_021164.1	Ca_kabuli_chr05	31656584	GG	TT	1940341529
SNP_P1_101101_31656649	NC_021164.1	Ca_kabuli_chr05	31656649	GG	AA	1940341531
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SNP_P1_101103_31656801	NC_021164.1	Ca_kabuli_chr05	31656801	GG	AA	1940341534
SNP_P1_101104_31656810	NC_021164.1	Ca_kabuli_chr05	31656810	TT	AA	1940341536
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SNP_P1_101106_31657666	NC_021164.1	Ca_kabuli_chr05	31657666	AA	TT	1940341539
SNP_P1_101107_31657693	NC_021164.1	Ca_kabuli_chr05	31657693	AA	TT	1940341541
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SNP_P1_101117_31660473	NC_021164.1	Ca_kabuli_chr05	31660473	TT	GG	1940341557
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SNP_P1_101121_31660511	NC_021164.1	Ca_kabuli_chr05	31660511	TT	AA	1940341564
SNP_P1_101122_31660538	NC_021164.1	Ca_kabuli_chr05	31660538	AA	GG	1940341565
SNP_P1_101123_31662410	NC_021164.1	Ca_kabuli_chr05	31662410	TT	GG	1940341567
SNP_P1_101124_31662425	NC_021164.1	Ca_kabuli_chr05	31662425	AA	GG	1940341569
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SNP_P1_101126_31662726	NC_021164.1	Ca_kabuli_chr05	31662726	CC	TT	1940341572
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SNP_P1_101132_31664369	NC_021164.1	Ca_kabuli_chr05	31664369	TT	CC	1940341581
SNP_P1_101133_31665709	NC_021164.1	Ca_kabuli_chr05	31665709	CC	AA	1940341583
SNP_P1_101134_31665725	NC_021164.1	Ca_kabuli_chr05	31665725	AA	GG	1940341584
SNP_P1_101135_31665770	NC_021164.1	Ca_kabuli_chr05	31665770	GG	AA	1940341586

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101139_31668010	NC_021164.1	Ca_kabuli_chr05	31668010	AA	TT	1940341593
SNP_P1_101140_31668736	NC_021164.1	Ca_kabuli_chr05	31668736	GG	TT	1940341595
SNP_P1_101141_31669543	NC_021164.1	Ca_kabuli_chr05	31669543	TT	AA	1940341596
SNP_P1_101142_31669762	NC_021164.1	Ca_kabuli_chr05	31669762	TT	AA	1940341598
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SNP_P1_101151_31672091	NC_021164.1	Ca_kabuli_chr05	31672091	CC	AA	1940341614
SNP_P1_101152_31672112	NC_021164.1	Ca_kabuli_chr05	31672112	GG	AA	1940341615
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SNP_P1_101154_31672247	NC_021164.1	Ca_kabuli_chr05	31672247	CC	AA	1940341619
SNP_P1_101156_31674123	NC_021164.1	Ca_kabuli_chr05	31674123	TT	CC	1940341621
SNP_P1_101157_31675138	NC_021164.1	Ca_kabuli_chr05	31675138	CC	AA	1940341622
SNP_P1_101158_31675239	NC_021164.1	Ca_kabuli_chr05	31675239	AA	GG	1940341624
SNP_P1_101159_31675401	NC_021164.1	Ca_kabuli_chr05	31675401	TT	CC	1940341626
SNP_P1_101160_31675958	NC_021164.1	Ca_kabuli_chr05	31675958	TT	CC	1940341628
SNP_P1_101161_31676371	NC_021164.1	Ca_kabuli_chr05	31676371	GG	AA	1940341629
SNP_P1_101162_31677060	NC_021164.1	Ca_kabuli_chr05	31677060	TT	AA	1940341631
SNP_P1_101163_31680020	NC_021164.1	Ca_kabuli_chr05	31680020	AA	TT	1940341633
SNP_P1_101164_31680033	NC_021164.1	Ca_kabuli_chr05	31680033	CC	TT	1940341634
SNP_P1_101165_31680207	NC_021164.1	Ca_kabuli_chr05	31680207	GG	AA	1940341636
SNP_P1_101166_31680930	NC_021164.1	Ca_kabuli_chr05	31680930	GG	AA	1940341638
SNP_P1_101167_31681182	NC_021164.1	Ca_kabuli_chr05	31681182	GG	AA	1940341640
SNP_P1_101168_31681520	NC_021164.1	Ca_kabuli_chr05	31681520	GG	AA	1940341641
SNP_P1_101169_31681527	NC_021164.1	Ca_kabuli_chr05	31681527	GG	AA	1940341643
SNP_P1_101170_31682132	NC_021164.1	Ca_kabuli_chr05	31682132	GG	AA	1940341645
SNP_P1_101171_31682288	NC_021164.1	Ca_kabuli_chr05	31682288	GG	AA	1940341647
SNP_P1_101172_31682299	NC_021164.1	Ca_kabuli_chr05	31682299	GG	AA	1940341648
SNP_P1_101173_31682635	NC_021164.1	Ca_kabuli_chr05	31682635	GG	AA	1940341650
SNP_P1_101174_31682636	NC_021164.1	Ca_kabuli_chr05	31682636	GG	AA	1940341652
SNP_P1_101175_31682647	NC_021164.1	Ca_kabuli_chr05	31682647	CC	TT	1940341654
SNP_P1_101176_31683312	NC_021164.1	Ca_kabuli_chr05	31683312	CC	GG	1940341655
SNP_P1_101177_31684678	NC_021164.1	Ca_kabuli_chr05	31684678	CC	TT	1940341657
SNP_P1_101179_31684959	NC_021164.1	Ca_kabuli_chr05	31684959	AA	GG	1940341659

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101181_31685235	NC_021164.1	Ca_kabuli_chr05	31685235	CC	TT	1940341662
SNP_P1_101182_31685584	NC_021164.1	Ca_kabuli_chr05	31685584	CC	AA	1940341664
SNP_P1_101183_31685642	NC_021164.1	Ca_kabuli_chr05	31685642	CC	TT	1940341666
SNP_P1_101184_31685764	NC_021164.1	Ca_kabuli_chr05	31685764	GG	CC	1940341667
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SNP_P1_101187_31685926	NC_021164.1	Ca_kabuli_chr05	31685926	GG	AA	1940341673
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SNP_P1_101189_31686106	NC_021164.1	Ca_kabuli_chr05	31686106	TT	CC	1940341676
SNP_P1_101190_31686108	NC_021164.1	Ca_kabuli_chr05	31686108	GG	AA	1940341678
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SNP_P1_101192_31686156	NC_021164.1	Ca_kabuli_chr05	31686156	TT	AA	1940341681
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SNP_P1_101195_31686394	NC_021164.1	Ca_kabuli_chr05	31686394	TT	GG	1940341686
SNP_P1_101196_31688515	NC_021164.1	Ca_kabuli_chr05	31688515	AA	GG	1940341688
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SNP_P1_101202_31692537	NC_021164.1	Ca_kabuli_chr05	31692537	GG	AA	1940341695
SNP_P1_101204_31692966	NC_021164.1	Ca_kabuli_chr05	31692966	AA	GG	1940341697
SNP_P1_101205_31693355	NC_021164.1	Ca_kabuli_chr05	31693355	AA	GG	1940341698
SNP_P1_101207_31694705	NC_021164.1	Ca_kabuli_chr05	31694705	AA	GG	1940341700
SNP_P1_101208_31695110	NC_021164.1	Ca_kabuli_chr05	31695110	TT	CC	1940341702
SNP_P1_101209_31695155	NC_021164.1	Ca_kabuli_chr05	31695155	AA	CC	1940341704
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SNP_P1_101211_31696642	NC_021164.1	Ca_kabuli_chr05	31696642	CC	TT	1940341707
SNP_P1_101212_31696664	NC_021164.1	Ca_kabuli_chr05	31696664	TT	AA	1940341709
SNP_P1_101213_31696668	NC_021164.1	Ca_kabuli_chr05	31696668	GG	AA	1940341711
SNP_P1_101214_31696669	NC_021164.1	Ca_kabuli_chr05	31696669	GG	TT	1940341712
SNP_P1_101215_31696855	NC_021164.1	Ca_kabuli_chr05	31696855	CC	AA	1940341714
SNP_P1_101216_31696885	NC_021164.1	Ca_kabuli_chr05	31696885	TT	GG	1940341716
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SNP_P1_101219_31699064	NC_021164.1	Ca_kabuli_chr05	31699064	TT	GG	1940341719
SNP_P1_101220_31699073	NC_021164.1	Ca_kabuli_chr05	31699073	CC	TT	1940341721
SNP_P1_101221_31699097	NC_021164.1	Ca_kabuli_chr05	31699097	TT	CC	1940341723
SNP_P1_101222_31699120	NC_021164.1	Ca_kabuli_chr05	31699120	CC	TT	1940341724
SNP_P1_101223_31699253	NC_021164.1	Ca_kabuli_chr05	31699253	GG	AA	1940341726
SNP_P1_101224_31699320	NC_021164.1	Ca_kabuli_chr05	31699320	CC	TT	1940341728
SNP_P1_101225_31699628	NC_021164.1	Ca_kabuli_chr05	31699628	AA	GG	1940341730
SNP_P1_101226_31700600	NC_021164.1	Ca_kabuli_chr05	31700600	AA	TT	1940341731

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101229_31701726	NC_021164.1	Ca_kabuli_chr05	31701726	AA	TT	1940341737
SNP_P1_101230_31704970	NC_021164.1	Ca_kabuli_chr05	31704970	TT	AA	1940341738
SNP_P1_101231_31705110	NC_021164.1	Ca_kabuli_chr05	31705110	AA	CC	1940341740
SNP_P1_101232_31705167	NC_021164.1	Ca_kabuli_chr05	31705167	TT	GG	1940341742
SNP_P1_101233_31707111	NC_021164.1	Ca_kabuli_chr05	31707111	AA	TT	1940341743
SNP_P1_101234_31707112	NC_021164.1	Ca_kabuli_chr05	31707112	CC	AA	1940341745
SNP_P1_101235_31708091	NC_021164.1	Ca_kabuli_chr05	31708091	CC	TT	1940341747
SNP_P1_101237_31708488	NC_021164.1	Ca_kabuli_chr05	31708488	GG	AA	1940341749
SNP_P1_101239_31708778	NC_021164.1	Ca_kabuli_chr05	31708778	AA	GG	1940341750
SNP_P1_101240_31709397	NC_021164.1	Ca_kabuli_chr05	31709397	TT	CC	1940341752
SNP_P1_101243_31713295	NC_021164.1	Ca_kabuli_chr05	31713295	TT	GG	1940341754
SNP_P1_101244_31713563	NC_021164.1	Ca_kabuli_chr05	31713563	CC	TT	1940341756
SNP_P1_101245_31713570	NC_021164.1	Ca_kabuli_chr05	31713570	AA	GG	1940341757
SNP_P1_101246_31713620	NC_021164.1	Ca_kabuli_chr05	31713620	CC	TT	1940341759
SNP_P1_101247_31713631	NC_021164.1	Ca_kabuli_chr05	31713631	AA	GG	1940341761
SNP_P1_101248_31713636	NC_021164.1	Ca_kabuli_chr05	31713636	TT	GG	1940341763
SNP_P1_101249_31713698	NC_021164.1	Ca_kabuli_chr05	31713698	AA	GG	1940341764
SNP_P1_101250_31714863	NC_021164.1	Ca_kabuli_chr05	31714863	AA	GG	1940341766
SNP_P1_101251_31714877	NC_021164.1	Ca_kabuli_chr05	31714877	CC	GG	1940341768
SNP_P1_101253_31716075	NC_021164.1	Ca_kabuli_chr05	31716075	TT	CC	1940341769
SNP_P1_101254_31716114	NC_021164.1	Ca_kabuli_chr05	31716114	AA	GG	1940341771
SNP_P1_101255_31716258	NC_021164.1	Ca_kabuli_chr05	31716258	TT	CC	1940341773
SNP_P1_101256_31716269	NC_021164.1	Ca_kabuli_chr05	31716269	CC	AA	1940341775
SNP_P1_101257_31716341	NC_021164.1	Ca_kabuli_chr05	31716341	GG	TT	1940341776
SNP_P1_101258_31717886	NC_021164.1	Ca_kabuli_chr05	31717886	GG	AA	1940341778
SNP_P1_101259_31717906	NC_021164.1	Ca_kabuli_chr05	31717906	CC	TT	1940341780
SNP_P1_101260_31717919	NC_021164.1	Ca_kabuli_chr05	31717919	TT	CC	1940341782
SNP_P1_101261_31717971	NC_021164.1	Ca_kabuli_chr05	31717971	TT	CC	1940341783
SNP_P1_101262_31718065	NC_021164.1	Ca_kabuli_chr05	31718065	TT	CC	1940341785
SNP_P1_101263_31718088	NC_021164.1	Ca_kabuli_chr05	31718088	CC	AA	1940341787
SNP_P1_101264_31718833	NC_021164.1	Ca_kabuli_chr05	31718833	GG	AA	1940341788
SNP_P1_101265_31718834	NC_021164.1	Ca_kabuli_chr05	31718834	GG	AA	1940341790
SNP_P1_101266_31719402	NC_021164.1	Ca_kabuli_chr05	31719402	CC	TT	1940341792
SNP_P1_101267_31719545	NC_021164.1	Ca_kabuli_chr05	31719545	GG	AA	1940341794
SNP_P1_101268_31720072	NC_021164.1	Ca_kabuli_chr05	31720072	AA	TT	1940341795
SNP_P1_101269_31720073	NC_021164.1	Ca_kabuli_chr05	31720073	CC	TT	1940341797
SNP_P1_101270_31720079	NC_021164.1	Ca_kabuli_chr05	31720079	TT	CC	1940341799
SNP_P1_101271_31720257	NC_021164.1	Ca_kabuli_chr05	31720257	GG	CC	1940341801
SNP_P1_101272_31720489	NC_021164.1	Ca_kabuli_chr05	31720489	CC	TT	1940341802
SNP_P1_101273_31720501	NC_021164.1	Ca_kabuli_chr05	31720501	TT	CC	1940341804

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101276_31722215	NC_021164.1	Ca_kabuli_chr05	31722215	GG	AA	1940341809
SNP_P1_101277_31722272	NC_021164.1	Ca_kabuli_chr05	31722272	TT	CC	1940341811
SNP_P1_101278_31722274	NC_021164.1	Ca_kabuli_chr05	31722274	CC	TT	1940341813
SNP_P1_101279_31722379	NC_021164.1	Ca_kabuli_chr05	31722379	CC	GG	1940341814
SNP_P1_101280_31722443	NC_021164.1	Ca_kabuli_chr05	31722443	CC	TT	1940341816
SNP_P1_101281_31722604	NC_021164.1	Ca_kabuli_chr05	31722604	CC	TT	1940341818
SNP_P1_101282_31722866	NC_021164.1	Ca_kabuli_chr05	31722866	CC	AA	1940341820
SNP_P1_101283_31722897	NC_021164.1	Ca_kabuli_chr05	31722897	TT	AA	1940341821
SNP_P1_101284_31722923	NC_021164.1	Ca_kabuli_chr05	31722923	CC	TT	1940341823
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SNP_P1_101289_31728118	NC_021164.1	Ca_kabuli_chr05	31728118	TT	CC	1940341832
SNP_P1_101290_31728122	NC_021164.1	Ca_kabuli_chr05	31728122	TT	AA	1940341834
SNP_P1_101291_31728544	NC_021164.1	Ca_kabuli_chr05	31728544	TT	GG	1940341835
SNP_P1_101292_31730444	NC_021164.1	Ca_kabuli_chr05	31730444	AA	GG	1940341837
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SNP_P1_101300_31734272	NC_021164.1	Ca_kabuli_chr05	31734272	CC	TT	1940341847
SNP_P1_101301_31734728	NC_021164.1	Ca_kabuli_chr05	31734728	CC	AA	1940341849
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SNP_P1_101303_31735773	NC_021164.1	Ca_kabuli_chr05	31735773	TT	CC	1940341853
SNP_P1_101304_31735809	NC_021164.1	Ca_kabuli_chr05	31735809	CC	TT	1940341854
SNP_P1_101305_31736488	NC_021164.1	Ca_kabuli_chr05	31736488	TT	CC	1940341856
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SNP_P1_101309_31739172	NC_021164.1	Ca_kabuli_chr05	31739172	CC	GG	1940341859
SNP_P1_101310_31740127	NC_021164.1	Ca_kabuli_chr05	31740127	CC	TT	1940341861
SNP_P1_101311_31742870	NC_021164.1	Ca_kabuli_chr05	31742870	GG	TT	1940341863
SNP_P1_101312_31745253	NC_021164.1	Ca_kabuli_chr05	31745253	CC	AA	1940341865
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SNP_P1_101314_31745259	NC_021164.1	Ca_kabuli_chr05	31745259	TT	CC	1940341868
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SNP_P1_101316_31746282	NC_021164.1	Ca_kabuli_chr05	31746282	TT	CC	1940341872
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SNP_P1_101318_31746612	NC_021164.1	Ca_kabuli_chr05	31746612	CC	AA	1940341875
SNP_P1_101319_31746625	NC_021164.1	Ca_kabuli_chr05	31746625	CC	TT	1940341877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101322_31746928	NC_021164.1	Ca_kabuli_chr05	31746928	AA	GG	1940341880
SNP_P1_101323_31746969	NC_021164.1	Ca_kabuli_chr05	31746969	CC	GG	1940341882
SNP_P1_101324_31746984	NC_021164.1	Ca_kabuli_chr05	31746984	GG	AA	1940341884
SNP_P1_101325_31747000	NC_021164.1	Ca_kabuli_chr05	31747000	GG	AA	1940341885
SNP_P1_101326_31747019	NC_021164.1	Ca_kabuli_chr05	31747019	AA	GG	1940341887
SNP_P1_101327_31747022	NC_021164.1	Ca_kabuli_chr05	31747022	TT	CC	1940341889
SNP_P1_101328_31747197	NC_021164.1	Ca_kabuli_chr05	31747197	AA	TT	1940341891
SNP_P1_101329_31747199	NC_021164.1	Ca_kabuli_chr05	31747199	AA	CC	1940341892
SNP_P1_101331_31748073	NC_021164.1	Ca_kabuli_chr05	31748073	TT	AA	1940341894
SNP_P1_101333_31750237	NC_021164.1	Ca_kabuli_chr05	31750237	GG	TT	1940341896
SNP_P1_101334_31750243	NC_021164.1	Ca_kabuli_chr05	31750243	TT	GG	1940341898
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SNP_P1_101337_31754147	NC_021164.1	Ca_kabuli_chr05	31754147	TT	GG	1940341901
SNP_P1_101338_31754523	NC_021164.1	Ca_kabuli_chr05	31754523	GG	CC	1940341903
SNP_P1_101339_31754526	NC_021164.1	Ca_kabuli_chr05	31754526	AA	CC	1940341904
SNP_P1_101340_31754535	NC_021164.1	Ca_kabuli_chr05	31754535	CC	TT	1940341906
SNP_P1_101341_31754562	NC_021164.1	Ca_kabuli_chr05	31754562	CC	TT	1940341908
SNP_P1_101342_31754573	NC_021164.1	Ca_kabuli_chr05	31754573	GG	AA	1940341910
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SNP_P1_101345_31754896	NC_021164.1	Ca_kabuli_chr05	31754896	CC	TT	1940341915
SNP_P1_101348_31755226	NC_021164.1	Ca_kabuli_chr05	31755226	TT	CC	1940341917
SNP_P1_101349_31756360	NC_021164.1	Ca_kabuli_chr05	31756360	AA	GG	1940341918
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SNP_P1_101352_31759246	NC_021164.1	Ca_kabuli_chr05	31759246	GG	AA	1940341924
SNP_P1_101354_31759528	NC_021164.1	Ca_kabuli_chr05	31759528	GG	AA	1940341925
SNP_P1_101355_31759735	NC_021164.1	Ca_kabuli_chr05	31759735	AA	GG	1940341927
SNP_P1_101356_31759757	NC_021164.1	Ca_kabuli_chr05	31759757	GG	TT	1940341929
SNP_P1_101357_31760946	NC_021164.1	Ca_kabuli_chr05	31760946	TT	CC	1940341930
SNP_P1_101358_31761064	NC_021164.1	Ca_kabuli_chr05	31761064	GG	AA	1940341932
SNP_P1_101359_31761355	NC_021164.1	Ca_kabuli_chr05	31761355	AA	GG	1940341934
SNP_P1_101360_31761388	NC_021164.1	Ca_kabuli_chr05	31761388	TT	AA	1940341936
SNP_P1_101361_31762743	NC_021164.1	Ca_kabuli_chr05	31762743	AA	GG	1940341937
SNP_P1_101362_31762751	NC_021164.1	Ca_kabuli_chr05	31762751	GG	CC	1940341939
SNP_P1_101363_31763217	NC_021164.1	Ca_kabuli_chr05	31763217	AA	CC	1940341941
SNP_P1_101364_31763701	NC_021164.1	Ca_kabuli_chr05	31763701	TT	GG	1940341943
SNP_P1_101365_31764074	NC_021164.1	Ca_kabuli_chr05	31764074	AA	GG	1940341944
SNP_P1_101366_31764513	NC_021164.1	Ca_kabuli_chr05	31764513	AA	GG	1940341946
SNP_P1_101367_31764863	NC_021164.1	Ca_kabuli_chr05	31764863	AA	TT	1940341948
SNP_P1_101368_31765274	NC_021164.1	Ca_kabuli_chr05	31765274	GG	AA	1940341949

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_101369_31765308	NC_021164.1	Ca_kabuli_chr05	31765308	CC	GG	1940341951
SNP_P1_101370_31765332	NC_021164.1	Ca_kabuli_chr05	31765332	AA	CC	1940341953
SNP_P1_101371_31765448	NC_021164.1	Ca_kabuli_chr05	31765448	GG	AA	1940341955
SNP_P1_101372_31765515	NC_021164.1	Ca_kabuli_chr05	31765515	CC	TT	1940341956
SNP_P1_101373_31765641	NC_021164.1	Ca_kabuli_chr05	31765641	GG	AA	1940341958
SNP_P1_101374_31766353	NC_021164.1	Ca_kabuli_chr05	31766353	CC	TT	1940341960
SNP_P1_101375_31766663	NC_021164.1	Ca_kabuli_chr05	31766663	TT	AA	1940341962
SNP_P1_101376_31766685	NC_021164.1	Ca_kabuli_chr05	31766685	TT	CC	1940341963
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SNP_P1_101378_31768418	NC_021164.1	Ca_kabuli_chr05	31768418	AA	GG	1940341967
SNP_P1_101379_31768443	NC_021164.1	Ca_kabuli_chr05	31768443	TT	AA	1940341968
SNP_P1_101380_31768584	NC_021164.1	Ca_kabuli_chr05	31768584	CC	TT	1940341970
SNP_P1_101381_31768759	NC_021164.1	Ca_kabuli_chr05	31768759	TT	AA	1940341972
SNP_P1_101382_31771067	NC_021164.1	Ca_kabuli_chr05	31771067	GG	AA	1940341974
SNP_P1_101383_31771296	NC_021164.1	Ca_kabuli_chr05	31771296	GG	TT	1940341975
SNP_P1_101384_31771395	NC_021164.1	Ca_kabuli_chr05	31771395	TT	CC	1940341977
SNP_P1_101385_31771485	NC_021164.1	Ca_kabuli_chr05	31771485	CC	TT	1940341979
SNP_P1_101386_31771647	NC_021164.1	Ca_kabuli_chr05	31771647	GG	AA	1940341981
SNP_P1_101387_31771651	NC_021164.1	Ca_kabuli_chr05	31771651	AA	GG	1940341982
SNP_P1_101388_31771816	NC_021164.1	Ca_kabuli_chr05	31771816	AA	TT	1940341984
SNP_P1_101389_31772121	NC_021164.1	Ca_kabuli_chr05	31772121	AA	GG	1940341986
SNP_P1_101391_31772204	NC_021164.1	Ca_kabuli_chr05	31772204	CC	TT	1940341988
SNP_P1_101392_31772226	NC_021164.1	Ca_kabuli_chr05	31772226	CC	TT	1940341989
SNP_P1_101393_31773311	NC_021164.1	Ca_kabuli_chr05	31773311	TT	GG	1940341991
SNP_P1_101394_31773637	NC_021164.1	Ca_kabuli_chr05	31773637	TT	CC	1940341993
SNP_P1_101395_31774608	NC_021164.1	Ca_kabuli_chr05	31774608	CC	TT	1940341994
SNP_P1_101396_31774842	NC_021164.1	Ca_kabuli_chr05	31774842	AA	CC	1940341996
SNP_P1_101397_31777786	NC_021164.1	Ca_kabuli_chr05	31777786	GG	AA	1940341998
SNP_P1_101399_31779791	NC_021164.1	Ca_kabuli_chr05	31779791	TT	CC	1940342000
SNP_P1_101400_31779909	NC_021164.1	Ca_kabuli_chr05	31779909	AA	CC	1940342001
SNP_P1_101401_31780596	NC_021164.1	Ca_kabuli_chr05	31780596	GG	CC	1940342003
SNP_P1_101403_31781653	NC_021164.1	Ca_kabuli_chr05	31781653	CC	TT	1940342005
SNP_P1_101404_31782024	NC_021164.1	Ca_kabuli_chr05	31782024	TT	AA	1940342007
SNP_P1_101405_31783051	NC_021164.1	Ca_kabuli_chr05	31783051	CC	TT	1940342008
SNP_P1_101406_31784797	NC_021164.1	Ca_kabuli_chr05	31784797	CC	TT	1940342010
SNP_P1_101407_31784898	NC_021164.1	Ca_kabuli_chr05	31784898	CC	TT	1940342012
SNP_P1_101408_31784923	NC_021164.1	Ca_kabuli_chr05	31784923	CC	TT	1940342013
SNP_P1_101409_31786301	NC_021164.1	Ca_kabuli_chr05	31786301	CC	TT	1940342015
SNP_P1_101410_31786326	NC_021164.1	Ca_kabuli_chr05	31786326	TT	CC	1940342017
SNP_P1_101411_31786784	NC_021164.1	Ca_kabuli_chr05	31786784	TT	CC	1940342019
SNP_P1_101412_31787360	NC_021164.1	Ca_kabuli_chr05	31787360	GG	AA	1940342020
SNP_P1_101414_31788603	NC_021164.1	Ca_kabuli_chr05	31788603	CC	AA	1940342022

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101416_31788912	NC_021164.1	Ca_kabuli_chr05	31788912	CC	AA	1940342026
SNP_P1_101417_31789674	NC_021164.1	Ca_kabuli_chr05	31789674	TT	AA	1940342027
SNP_P1_101418_31789683	NC_021164.1	Ca_kabuli_chr05	31789683	AA	TT	1940342029
SNP_P1_101420_31790416	NC_021164.1	Ca_kabuli_chr05	31790416	AA	TT	1940342031
SNP_P1_101421_31790508	NC_021164.1	Ca_kabuli_chr05	31790508	AA	TT	1940342033
SNP_P1_101422_31790670	NC_021164.1	Ca_kabuli_chr05	31790670	CC	TT	1940342034
SNP_P1_101423_31790744	NC_021164.1	Ca_kabuli_chr05	31790744	AA	CC	1940342036
SNP_P1_101424_31790843	NC_021164.1	Ca_kabuli_chr05	31790843	TT	CC	1940342038
SNP_P1_101426_31791671	NC_021164.1	Ca_kabuli_chr05	31791671	CC	GG	1940342039
SNP_P1_101427_31791936	NC_021164.1	Ca_kabuli_chr05	31791936	GG	AA	1940342041
SNP_P1_101429_31792995	NC_021164.1	Ca_kabuli_chr05	31792995	TT	CC	1940342043
SNP_P1_101431_31794300	NC_021164.1	Ca_kabuli_chr05	31794300	CC	GG	1940342045
SNP_P1_101432_31794317	NC_021164.1	Ca_kabuli_chr05	31794317	AA	TT	1940342046
SNP_P1_101433_31794719	NC_021164.1	Ca_kabuli_chr05	31794719	AA	TT	1940342048
SNP_P1_101434_31795270	NC_021164.1	Ca_kabuli_chr05	31795270	GG	AA	1940342050
SNP_P1_101435_31795364	NC_021164.1	Ca_kabuli_chr05	31795364	GG	AA	1940342052
SNP_P1_101436_31795519	NC_021164.1	Ca_kabuli_chr05	31795519	AA	CC	1940342053
SNP_P1_101437_31795521	NC_021164.1	Ca_kabuli_chr05	31795521	CC	AA	1940342055
SNP_P1_101438_31797271	NC_021164.1	Ca_kabuli_chr05	31797271	GG	AA	1940342057
SNP_P1_101439_31797290	NC_021164.1	Ca_kabuli_chr05	31797290	CC	TT	1940342059
SNP_P1_101440_31797874	NC_021164.1	Ca_kabuli_chr05	31797874	TT	AA	1940342060
SNP_P1_101441_31798008	NC_021164.1	Ca_kabuli_chr05	31798008	TT	CC	1940342062
SNP_P1_101442_31798060	NC_021164.1	Ca_kabuli_chr05	31798060	GG	AA	1940342064
SNP_P1_101443_31798095	NC_021164.1	Ca_kabuli_chr05	31798095	AA	TT	1940342065
SNP_P1_101444_31798137	NC_021164.1	Ca_kabuli_chr05	31798137	TT	CC	1940342067
SNP_P1_101445_31798155	NC_021164.1	Ca_kabuli_chr05	31798155	CC	GG	1940342069
SNP_P1_101446_31798317	NC_021164.1	Ca_kabuli_chr05	31798317	TT	GG	1940342071
SNP_P1_101447_31798378	NC_021164.1	Ca_kabuli_chr05	31798378	TT	CC	1940342072
SNP_P1_101448_31800124	NC_021164.1	Ca_kabuli_chr05	31800124	CC	GG	1940342074
SNP_P1_101449_31800149	NC_021164.1	Ca_kabuli_chr05	31800149	TT	CC	1940342076
SNP_P1_101450_31800201	NC_021164.1	Ca_kabuli_chr05	31800201	TT	CC	1940342078
SNP_P1_101451_31800346	NC_021164.1	Ca_kabuli_chr05	31800346	GG	AA	1940342079
SNP_P1_101452_31801188	NC_021164.1	Ca_kabuli_chr05	31801188	AA	TT	1940342081
SNP_P1_101453_31801560	NC_021164.1	Ca_kabuli_chr05	31801560	TT	CC	1940342083
SNP_P1_101454_31801960	NC_021164.1	Ca_kabuli_chr05	31801960	CC	GG	1940342084
SNP_P1_101455_31801962	NC_021164.1	Ca_kabuli_chr05	31801962	AA	TT	1940342086
SNP_P1_101456_31801973	NC_021164.1	Ca_kabuli_chr05	31801973	AA	GG	1940342088
SNP_P1_101457_31801989	NC_021164.1	Ca_kabuli_chr05	31801989	AA	CC	1940342090
SNP_P1_101458_31802727	NC_021164.1	Ca_kabuli_chr05	31802727	GG	AA	1940342091
SNP_P1_101459_31803255	NC_021164.1	Ca_kabuli_chr05	31803255	TT	GG	1940342093
SNP_P1_101460_31803619	NC_021164.1	Ca_kabuli_chr05	31803619	AA	GG	1940342095

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101462_31804242	NC_021164.1	Ca_kabuli_chr05	31804242	TT	CC	1940342098
SNP_P1_101463_31804257	NC_021164.1	Ca_kabuli_chr05	31804257	TT	AA	1940342100
SNP_P1_101464_31804272	NC_021164.1	Ca_kabuli_chr05	31804272	TT	CC	1940342102
SNP_P1_101466_31804597	NC_021164.1	Ca_kabuli_chr05	31804597	GG	AA	1940342104
SNP_P1_101468_31805157	NC_021164.1	Ca_kabuli_chr05	31805157	TT	CC	1940342105
SNP_P1_101469_31805494	NC_021164.1	Ca_kabuli_chr05	31805494	AA	GG	1940342107
SNP_P1_101470_31805891	NC_021164.1	Ca_kabuli_chr05	31805891	AA	CC	1940342109
SNP_P1_101472_31806284	NC_021164.1	Ca_kabuli_chr05	31806284	CC	TT	1940342110
SNP_P1_101473_31806412	NC_021164.1	Ca_kabuli_chr05	31806412	GG	AA	1940342112
SNP_P1_101474_31806432	NC_021164.1	Ca_kabuli_chr05	31806432	AA	GG	1940342114
SNP_P1_101475_31806468	NC_021164.1	Ca_kabuli_chr05	31806468	AA	TT	1940342116
SNP_P1_101476_31806656	NC_021164.1	Ca_kabuli_chr05	31806656	AA	GG	1940342117
SNP_P1_101477_31807204	NC_021164.1	Ca_kabuli_chr05	31807204	GG	AA	1940342119
SNP_P1_101478_31807227	NC_021164.1	Ca_kabuli_chr05	31807227	GG	AA	1940342121
SNP_P1_101479_31807241	NC_021164.1	Ca_kabuli_chr05	31807241	TT	CC	1940342123
SNP_P1_101480_31807258	NC_021164.1	Ca_kabuli_chr05	31807258	GG	AA	1940342124
SNP_P1_101481_31807488	NC_021164.1	Ca_kabuli_chr05	31807488	AA	GG	1940342126
SNP_P1_101482_31807512	NC_021164.1	Ca_kabuli_chr05	31807512	CC	GG	1940342128
SNP_P1_101483_31807537	NC_021164.1	Ca_kabuli_chr05	31807537	CC	GG	1940342130
SNP_P1_101484_31807852	NC_021164.1	Ca_kabuli_chr05	31807852	CC	TT	1940342131
SNP_P1_101486_31809282	NC_021164.1	Ca_kabuli_chr05	31809282	AA	TT	1940342133
SNP_P1_101487_31809461	NC_021164.1	Ca_kabuli_chr05	31809461	AA	GG	1940342135
SNP_P1_101489_31809914	NC_021164.1	Ca_kabuli_chr05	31809914	GG	TT	1940342136
SNP_P1_101490_31811141	NC_021164.1	Ca_kabuli_chr05	31811141	TT	CC	1940342138
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SNP_P1_101492_31812282	NC_021164.1	Ca_kabuli_chr05	31812282	CC	AA	1940342142
SNP_P1_101493_31812842	NC_021164.1	Ca_kabuli_chr05	31812842	AA	GG	1940342143
SNP_P1_101494_31812863	NC_021164.1	Ca_kabuli_chr05	31812863	TT	CC	1940342145
SNP_P1_101495_31812876	NC_021164.1	Ca_kabuli_chr05	31812876	AA	TT	1940342147
SNP_P1_101496_31813063	NC_021164.1	Ca_kabuli_chr05	31813063	AA	CC	1940342149
SNP_P1_101497_31813064	NC_021164.1	Ca_kabuli_chr05	31813064	TT	GG	1940342150
SNP_P1_101498_31813259	NC_021164.1	Ca_kabuli_chr05	31813259	TT	CC	1940342152
SNP_P1_101499_31814696	NC_021164.1	Ca_kabuli_chr05	31814696	CC	AA	1940342154
SNP_P1_101500_31814697	NC_021164.1	Ca_kabuli_chr05	31814697	TT	AA	1940342155
SNP_P1_101501_31815304	NC_021164.1	Ca_kabuli_chr05	31815304	GG	AA	1940342157
SNP_P1_101502_31815542	NC_021164.1	Ca_kabuli_chr05	31815542	AA	GG	1940342159
SNP_P1_101503_31815571	NC_021164.1	Ca_kabuli_chr05	31815571	TT	AA	1940342161
SNP_P1_101504_31816510	NC_021164.1	Ca_kabuli_chr05	31816510	CC	TT	1940342162
SNP_P1_101505_31816522	NC_021164.1	Ca_kabuli_chr05	31816522	TT	CC	1940342164
SNP_P1_101506_31816537	NC_021164.1	Ca_kabuli_chr05	31816537	TT	AA	1940342166
SNP_P1_101507_31817821	NC_021164.1	Ca_kabuli_chr05	31817821	AA	TT	1940342168

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101509_31819008	NC_021164.1	Ca_kabuli_chr05	31819008	AA	CC	1940342171
SNP_P1_101510_31819032	NC_021164.1	Ca_kabuli_chr05	31819032	TT	GG	1940342173
SNP_P1_101511_31827093	NC_021164.1	Ca_kabuli_chr05	31827093	CC	GG	1940342175
SNP_P1_101512_31830565	NC_021164.1	Ca_kabuli_chr05	31830565	GG	AA	1940342176
SNP_P1_101513_31832682	NC_021164.1	Ca_kabuli_chr05	31832682	TT	CC	1940342178
SNP_P1_101514_31832944	NC_021164.1	Ca_kabuli_chr05	31832944	CC	TT	1940342180
SNP_P1_101515_31833267	NC_021164.1	Ca_kabuli_chr05	31833267	GG	AA	1940342181
SNP_P1_101516_31833792	NC_021164.1	Ca_kabuli_chr05	31833792	CC	GG	1940342183
SNP_P1_101517_31833831	NC_021164.1	Ca_kabuli_chr05	31833831	CC	GG	1940342185
SNP_P1_101518_31834684	NC_021164.1	Ca_kabuli_chr05	31834684	CC	TT	1940342187
SNP_P1_101519_31834943	NC_021164.1	Ca_kabuli_chr05	31834943	CC	AA	1940342188
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SNP_P1_101521_31835041	NC_021164.1	Ca_kabuli_chr05	31835041	TT	GG	1940342192
SNP_P1_101524_31835218	NC_021164.1	Ca_kabuli_chr05	31835218	CC	TT	1940342194
SNP_P1_101525_31836078	NC_021164.1	Ca_kabuli_chr05	31836078	GG	AA	1940342195
SNP_P1_101528_31838832	NC_021164.1	Ca_kabuli_chr05	31838832	TT	CC	1940342197
SNP_P1_101529_31838871	NC_021164.1	Ca_kabuli_chr05	31838871	AA	GG	1940342199
SNP_P1_101530_31838883	NC_021164.1	Ca_kabuli_chr05	31838883	GG	TT	1940342200
SNP_P1_101531_31839087	NC_021164.1	Ca_kabuli_chr05	31839087	TT	CC	1940342202
SNP_P1_101532_31840722	NC_021164.1	Ca_kabuli_chr05	31840722	CC	AA	1940342204
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SNP_P1_101534_31840904	NC_021164.1	Ca_kabuli_chr05	31840904	TT	CC	1940342207
SNP_P1_101535_31841211	NC_021164.1	Ca_kabuli_chr05	31841211	AA	CC	1940342209
SNP_P1_101536_31841223	NC_021164.1	Ca_kabuli_chr05	31841223	CC	GG	1940342211
SNP_P1_101537_31841232	NC_021164.1	Ca_kabuli_chr05	31841232	CC	AA	1940342213
SNP_P1_101538_31842148	NC_021164.1	Ca_kabuli_chr05	31842148	AA	CC	1940342214
SNP_P1_101539_31842214	NC_021164.1	Ca_kabuli_chr05	31842214	GG	TT	1940342216
SNP_P1_101541_31845268	NC_021164.1	Ca_kabuli_chr05	31845268	TT	AA	1940342218
SNP_P1_101542_31845301	NC_021164.1	Ca_kabuli_chr05	31845301	AA	GG	1940342220
SNP_P1_101543_31845302	NC_021164.1	Ca_kabuli_chr05	31845302	CC	TT	1940342221
SNP_P1_101544_31845338	NC_021164.1	Ca_kabuli_chr05	31845338	CC	AA	1940342223
SNP_P1_101545_31845355	NC_021164.1	Ca_kabuli_chr05	31845355	CC	TT	1940342225
SNP_P1_101546_31845596	NC_021164.1	Ca_kabuli_chr05	31845596	GG	AA	1940342226
SNP_P1_101548_31846369	NC_021164.1	Ca_kabuli_chr05	31846369	CC	TT	1940342228
SNP_P1_101549_31847023	NC_021164.1	Ca_kabuli_chr05	31847023	AA	GG	1940342230
SNP_P1_101550_31847683	NC_021164.1	Ca_kabuli_chr05	31847683	GG	CC	1940342232
SNP_P1_101551_31848034	NC_021164.1	Ca_kabuli_chr05	31848034	TT	CC	1940342233
SNP_P1_101552_31848806	NC_021164.1	Ca_kabuli_chr05	31848806	TT	AA	1940342235
SNP_P1_101554_31849918	NC_021164.1	Ca_kabuli_chr05	31849918	GG	AA	1940342237
SNP_P1_101555_31849984	NC_021164.1	Ca_kabuli_chr05	31849984	CC	TT	1940342239
SNP_P1_101556_31850997	NC_021164.1	Ca_kabuli_chr05	31850997	CC	TT	1940342240

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101558_31852027	NC_021164.1	Ca_kabuli_chr05	31852027	GG	AA	1940342244
SNP_P1_101559_31852041	NC_021164.1	Ca_kabuli_chr05	31852041	GG	AA	1940342246
SNP_P1_101560_31852045	NC_021164.1	Ca_kabuli_chr05	31852045	TT	CC	1940342247
SNP_P1_101562_31853357	NC_021164.1	Ca_kabuli_chr05	31853357	GG	AA	1940342249
SNP_P1_101563_31853545	NC_021164.1	Ca_kabuli_chr05	31853545	TT	CC	1940342251
SNP_P1_101564_31853589	NC_021164.1	Ca_kabuli_chr05	31853589	TT	CC	1940342252
SNP_P1_101565_31853669	NC_021164.1	Ca_kabuli_chr05	31853669	TT	CC	1940342254
SNP_P1_101567_31853923	NC_021164.1	Ca_kabuli_chr05	31853923	AA	GG	1940342256
SNP_P1_101568_31853947	NC_021164.1	Ca_kabuli_chr05	31853947	TT	GG	1940342258
SNP_P1_101569_31853953	NC_021164.1	Ca_kabuli_chr05	31853953	TT	GG	1940342259
SNP_P1_101570_31853973	NC_021164.1	Ca_kabuli_chr05	31853973	TT	CC	1940342261
SNP_P1_101571_31854093	NC_021164.1	Ca_kabuli_chr05	31854093	AA	TT	1940342263
SNP_P1_101572_31855502	NC_021164.1	Ca_kabuli_chr05	31855502	TT	AA	1940342265
SNP_P1_101573_31856490	NC_021164.1	Ca_kabuli_chr05	31856490	GG	TT	1940342266
SNP_P1_101574_31856613	NC_021164.1	Ca_kabuli_chr05	31856613	TT	CC	1940342268
SNP_P1_101575_31856847	NC_021164.1	Ca_kabuli_chr05	31856847	TT	GG	1940342270
SNP_P1_101576_31856937	NC_021164.1	Ca_kabuli_chr05	31856937	GG	AA	1940342271
SNP_P1_101577_31856947	NC_021164.1	Ca_kabuli_chr05	31856947	TT	CC	1940342273
SNP_P1_101578_31857085	NC_021164.1	Ca_kabuli_chr05	31857085	AA	GG	1940342275
SNP_P1_101579_31857114	NC_021164.1	Ca_kabuli_chr05	31857114	AA	GG	1940342277
SNP_P1_101580_31858363	NC_021164.1	Ca_kabuli_chr05	31858363	TT	CC	1940342278
SNP_P1_101581_31858367	NC_021164.1	Ca_kabuli_chr05	31858367	CC	TT	1940342280
SNP_P1_101583_31858772	NC_021164.1	Ca_kabuli_chr05	31858772	AA	GG	1940342282
SNP_P1_101584_31858778	NC_021164.1	Ca_kabuli_chr05	31858778	GG	TT	1940342284
SNP_P1_101585_31859726	NC_021164.1	Ca_kabuli_chr05	31859726	AA	GG	1940342285
SNP_P1_101586_31860291	NC_021164.1	Ca_kabuli_chr05	31860291	CC	AA	1940342287
SNP_P1_101587_31860297	NC_021164.1	Ca_kabuli_chr05	31860297	CC	AA	1940342289
SNP_P1_101588_31860409	NC_021164.1	Ca_kabuli_chr05	31860409	CC	GG	1940342291
SNP_P1_101590_31860668	NC_021164.1	Ca_kabuli_chr05	31860668	TT	GG	1940342292
SNP_P1_101591_31860675	NC_021164.1	Ca_kabuli_chr05	31860675	AA	CC	1940342294
SNP_P1_101592_31860740	NC_021164.1	Ca_kabuli_chr05	31860740	TT	AA	1940342296
SNP_P1_101595_31862874	NC_021164.1	Ca_kabuli_chr05	31862874	CC	TT	1940342297
SNP_P1_101596_31862880	NC_021164.1	Ca_kabuli_chr05	31862880	AA	CC	1940342299
SNP_P1_101597_31862889	NC_021164.1	Ca_kabuli_chr05	31862889	TT	GG	1940342301
SNP_P1_101598_31863060	NC_021164.1	Ca_kabuli_chr05	31863060	GG	AA	1940342303
SNP_P1_101599_31863550	NC_021164.1	Ca_kabuli_chr05	31863550	AA	CC	1940342304
SNP_P1_101600_31864393	NC_021164.1	Ca_kabuli_chr05	31864393	TT	CC	1940342306
SNP_P1_101601_31865293	NC_021164.1	Ca_kabuli_chr05	31865293	GG	AA	1940342308
SNP_P1_101602_31865300	NC_021164.1	Ca_kabuli_chr05	31865300	GG	TT	1940342310
SNP_P1_101603_31865301	NC_021164.1	Ca_kabuli_chr05	31865301	AA	GG	1940342311
SNP_P1_101604_31865328	NC_021164.1	Ca_kabuli_chr05	31865328	CC	TT	1940342313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101606_31865382	NC_021164.1	Ca_kabuli_chr05	31865382	CC	TT	1940342316
SNP_P1_101607_31867304	NC_021164.1	Ca_kabuli_chr05	31867304	TT	GG	1940342318
SNP_P1_101608_31867692	NC_021164.1	Ca_kabuli_chr05	31867692	AA	GG	1940342320
SNP_P1_101610_31869579	NC_021164.1	Ca_kabuli_chr05	31869579	AA	TT	1940342322
SNP_P1_101611_31869592	NC_021164.1	Ca_kabuli_chr05	31869592	AA	TT	1940342323
SNP_P1_101612_31869743	NC_021164.1	Ca_kabuli_chr05	31869743	TT	AA	1940342325
SNP_P1_101614_31869854	NC_021164.1	Ca_kabuli_chr05	31869854	GG	AA	1940342327
SNP_P1_101615_31869972	NC_021164.1	Ca_kabuli_chr05	31869972	TT	CC	1940342329
SNP_P1_101616_31869999	NC_021164.1	Ca_kabuli_chr05	31869999	TT	AA	1940342330
SNP_P1_101617_31870072	NC_021164.1	Ca_kabuli_chr05	31870072	GG	AA	1940342332
SNP_P1_101618_31870156	NC_021164.1	Ca_kabuli_chr05	31870156	CC	TT	1940342334
SNP_P1_101620_31872038	NC_021164.1	Ca_kabuli_chr05	31872038	GG	CC	1940342335
SNP_P1_101621_31872547	NC_021164.1	Ca_kabuli_chr05	31872547	TT	CC	1940342337
SNP_P1_101622_31872826	NC_021164.1	Ca_kabuli_chr05	31872826	AA	GG	1940342339
SNP_P1_101623_31872863	NC_021164.1	Ca_kabuli_chr05	31872863	CC	TT	1940342341
SNP_P1_101624_31872893	NC_021164.1	Ca_kabuli_chr05	31872893	TT	CC	1940342342
SNP_P1_101625_31874436	NC_021164.1	Ca_kabuli_chr05	31874436	AA	CC	1940342344
SNP_P1_101626_31874509	NC_021164.1	Ca_kabuli_chr05	31874509	CC	TT	1940342346
SNP_P1_101627_31874537	NC_021164.1	Ca_kabuli_chr05	31874537	GG	AA	1940342348
SNP_P1_101628_31876013	NC_021164.1	Ca_kabuli_chr05	31876013	AA	TT	1940342349
SNP_P1_101629_31876060	NC_021164.1	Ca_kabuli_chr05	31876060	GG	CC	1940342351
SNP_P1_101630_31876300	NC_021164.1	Ca_kabuli_chr05	31876300	GG	CC	1940342353
SNP_P1_101631_31876383	NC_021164.1	Ca_kabuli_chr05	31876383	GG	AA	1940342355
SNP_P1_101632_31878539	NC_021164.1	Ca_kabuli_chr05	31878539	CC	TT	1940342356
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SNP_P1_101638_31880504	NC_021164.1	Ca_kabuli_chr05	31880504	AA	GG	1940342365
SNP_P1_101639_31881397	NC_021164.1	Ca_kabuli_chr05	31881397	AA	GG	1940342367
SNP_P1_101640_31882314	NC_021164.1	Ca_kabuli_chr05	31882314	AA	GG	1940342368
SNP_P1_101641_31882333	NC_021164.1	Ca_kabuli_chr05	31882333	AA	CC	1940342370
SNP_P1_101642_31882499	NC_021164.1	Ca_kabuli_chr05	31882499	AA	CC	1940342372
SNP_P1_101643_31882633	NC_021164.1	Ca_kabuli_chr05	31882633	AA	TT	1940342374
SNP_P1_101644_31883550	NC_021164.1	Ca_kabuli_chr05	31883550	TT	AA	1940342375
SNP_P1_101647_31883896	NC_021164.1	Ca_kabuli_chr05	31883896	TT	CC	1940342377
SNP_P1_101648_31883923	NC_021164.1	Ca_kabuli_chr05	31883923	AA	GG	1940342379
SNP_P1_101649_31883973	NC_021164.1	Ca_kabuli_chr05	31883973	CC	TT	1940342381
SNP_P1_101650_31884136	NC_021164.1	Ca_kabuli_chr05	31884136	TT	CC	1940342382
SNP_P1_101651_31884165	NC_021164.1	Ca_kabuli_chr05	31884165	AA	GG	1940342384
SNP_P1_101652_31884212	NC_021164.1	Ca_kabuli_chr05	31884212	TT	CC	1940342386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101655_31885338	NC_021164.1	Ca_kabuli_chr05	31885338	TT	CC	1940342391
SNP_P1_101656_31885429	NC_021164.1	Ca_kabuli_chr05	31885429	CC	TT	1940342393
SNP_P1_101657_31886214	NC_021164.1	Ca_kabuli_chr05	31886214	AA	CC	1940342394
SNP_P1_101658_31886517	NC_021164.1	Ca_kabuli_chr05	31886517	TT	CC	1940342396
SNP_P1_101659_31886540	NC_021164.1	Ca_kabuli_chr05	31886540	CC	TT	1940342398
SNP_P1_101661_31886621	NC_021164.1	Ca_kabuli_chr05	31886621	GG	AA	1940342400
SNP_P1_101662_31886779	NC_021164.1	Ca_kabuli_chr05	31886779	AA	CC	1940342401
SNP_P1_101663_31887205	NC_021164.1	Ca_kabuli_chr05	31887205	CC	TT	1940342403
SNP_P1_101664_31887539	NC_021164.1	Ca_kabuli_chr05	31887539	GG	CC	1940342405
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SNP_P1_101667_31888262	NC_021164.1	Ca_kabuli_chr05	31888262	TT	AA	1940342408
SNP_P1_101668_31888518	NC_021164.1	Ca_kabuli_chr05	31888518	TT	CC	1940342410
SNP_P1_101669_31888528	NC_021164.1	Ca_kabuli_chr05	31888528	GG	AA	1940342412
SNP_P1_101670_31888736	NC_021164.1	Ca_kabuli_chr05	31888736	GG	AA	1940342413
SNP_P1_101672_31888764	NC_021164.1	Ca_kabuli_chr05	31888764	GG	AA	1940342415
SNP_P1_101673_31889005	NC_021164.1	Ca_kabuli_chr05	31889005	CC	TT	1940342417
SNP_P1_101674_31890275	NC_021164.1	Ca_kabuli_chr05	31890275	AA	TT	1940342419
SNP_P1_101675_31892404	NC_021164.1	Ca_kabuli_chr05	31892404	GG	AA	1940342420
SNP_P1_101676_31892539	NC_021164.1	Ca_kabuli_chr05	31892539	CC	TT	1940342422
SNP_P1_101677_31892581	NC_021164.1	Ca_kabuli_chr05	31892581	TT	CC	1940342424
SNP_P1_101678_31893703	NC_021164.1	Ca_kabuli_chr05	31893703	CC	TT	1940342426
SNP_P1_101679_31894698	NC_021164.1	Ca_kabuli_chr05	31894698	GG	AA	1940342427
SNP_P1_101680_31894987	NC_021164.1	Ca_kabuli_chr05	31894987	AA	CC	1940342429
SNP_P1_101683_31897046	NC_021164.1	Ca_kabuli_chr05	31897046	CC	GG	1940342431
SNP_P1_101684_31897090	NC_021164.1	Ca_kabuli_chr05	31897090	AA	TT	1940342432
SNP_P1_101685_31897445	NC_021164.1	Ca_kabuli_chr05	31897445	AA	GG	1940342434
SNP_P1_101686_31897524	NC_021164.1	Ca_kabuli_chr05	31897524	AA	GG	1940342436
SNP_P1_101687_31897970	NC_021164.1	Ca_kabuli_chr05	31897970	GG	CC	1940342438
SNP_P1_101688_31898023	NC_021164.1	Ca_kabuli_chr05	31898023	AA	TT	1940342439
SNP_P1_101689_31898089	NC_021164.1	Ca_kabuli_chr05	31898089	GG	TT	1940342441
SNP_P1_101690_31900172	NC_021164.1	Ca_kabuli_chr05	31900172	CC	AA	1940342443
SNP_P1_101691_31900205	NC_021164.1	Ca_kabuli_chr05	31900205	CC	AA	1940342445
SNP_P1_101692_31902388	NC_021164.1	Ca_kabuli_chr05	31902388	CC	TT	1940342446
SNP_P1_101693_31902435	NC_021164.1	Ca_kabuli_chr05	31902435	AA	TT	1940342448
SNP_P1_101694_31902921	NC_021164.1	Ca_kabuli_chr05	31902921	GG	TT	1940342450
SNP_P1_101695_31903988	NC_021164.1	Ca_kabuli_chr05	31903988	CC	TT	1940342452
SNP_P1_101697_31904698	NC_021164.1	Ca_kabuli_chr05	31904698	TT	AA	1940342453
SNP_P1_101698_31904790	NC_021164.1	Ca_kabuli_chr05	31904790	GG	AA	1940342455
SNP_P1_101699_31904814	NC_021164.1	Ca_kabuli_chr05	31904814	AA	GG	1940342457
SNP_P1_101700_31904818	NC_021164.1	Ca_kabuli_chr05	31904818	AA	GG	1940342458

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101703_31905179	NC_021164.1	Ca_kabuli_chr05	31905179	GG	CC	1940342464
SNP_P1_101704_31905645	NC_021164.1	Ca_kabuli_chr05	31905645	GG	AA	1940342465
SNP_P1_101705_31905962	NC_021164.1	Ca_kabuli_chr05	31905962	TT	CC	1940342467
SNP_P1_101706_31906008	NC_021164.1	Ca_kabuli_chr05	31906008	CC	TT	1940342469
SNP_P1_101707_31907346	NC_021164.1	Ca_kabuli_chr05	31907346	GG	TT	1940342471
SNP_P1_101708_31908076	NC_021164.1	Ca_kabuli_chr05	31908076	TT	CC	1940342472
SNP_P1_101709_31908097	NC_021164.1	Ca_kabuli_chr05	31908097	AA	TT	1940342474
SNP_P1_101710_31916153	NC_021164.1	Ca_kabuli_chr05	31916153	AA	TT	1940342476
SNP_P1_101711_31916172	NC_021164.1	Ca_kabuli_chr05	31916172	CC	TT	1940342477
SNP_P1_101712_31916187	NC_021164.1	Ca_kabuli_chr05	31916187	CC	TT	1940342479
SNP_P1_101714_31918518	NC_021164.1	Ca_kabuli_chr05	31918518	CC	TT	1940342481
SNP_P1_101715_31918573	NC_021164.1	Ca_kabuli_chr05	31918573	GG	TT	1940342483
SNP_P1_101716_31918586	NC_021164.1	Ca_kabuli_chr05	31918586	AA	GG	1940342484
SNP_P1_101717_31918655	NC_021164.1	Ca_kabuli_chr05	31918655	GG	AA	1940342486
SNP_P1_101718_31918862	NC_021164.1	Ca_kabuli_chr05	31918862	CC	TT	1940342488
SNP_P1_101720_31919438	NC_021164.1	Ca_kabuli_chr05	31919438	CC	TT	1940342490
SNP_P1_101722_31919492	NC_021164.1	Ca_kabuli_chr05	31919492	TT	AA	1940342491
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SNP_P1_101726_31922051	NC_021164.1	Ca_kabuli_chr05	31922051	CC	GG	1940342498
SNP_P1_101727_31922077	NC_021164.1	Ca_kabuli_chr05	31922077	GG	TT	1940342500
SNP_P1_101728_31922709	NC_021164.1	Ca_kabuli_chr05	31922709	TT	AA	1940342502
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SNP_P1_101731_31925141	NC_021164.1	Ca_kabuli_chr05	31925141	GG	CC	1940342507
SNP_P1_101732_31925157	NC_021164.1	Ca_kabuli_chr05	31925157	TT	AA	1940342508
SNP_P1_101733_31925216	NC_021164.1	Ca_kabuli_chr05	31925216	CC	GG	1940342510
SNP_P1_101734_31925425	NC_021164.1	Ca_kabuli_chr05	31925425	TT	AA	1940342512
SNP_P1_101735_31925427	NC_021164.1	Ca_kabuli_chr05	31925427	CC	TT	1940342514
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SNP_P1_101738_31926698	NC_021164.1	Ca_kabuli_chr05	31926698	TT	CC	1940342517
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SNP_P1_101743_31926893	NC_021164.1	Ca_kabuli_chr05	31926893	GG	AA	1940342526
SNP_P1_101744_31926915	NC_021164.1	Ca_kabuli_chr05	31926915	CC	TT	1940342527
SNP_P1_101745_31927193	NC_021164.1	Ca_kabuli_chr05	31927193	GG	AA	1940342529
SNP_P1_101746_31927229	NC_021164.1	Ca_kabuli_chr05	31927229	GG	AA	1940342531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101749_31927931	NC_021164.1	Ca_kabuli_chr05	31927931	TT	GG	1940342536
SNP_P1_101750_31927967	NC_021164.1	Ca_kabuli_chr05	31927967	TT	CC	1940342538
SNP_P1_101751_31928009	NC_021164.1	Ca_kabuli_chr05	31928009	GG	AA	1940342539
SNP_P1_101752_31928019	NC_021164.1	Ca_kabuli_chr05	31928019	AA	GG	1940342541
SNP_P1_101753_31928133	NC_021164.1	Ca_kabuli_chr05	31928133	GG	AA	1940342543
SNP_P1_101754_31928136	NC_021164.1	Ca_kabuli_chr05	31928136	GG	AA	1940342545
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SNP_P1_101756_31928158	NC_021164.1	Ca_kabuli_chr05	31928158	TT	CC	1940342548
SNP_P1_101757_31928217	NC_021164.1	Ca_kabuli_chr05	31928217	GG	CC	1940342550
SNP_P1_101758_31928236	NC_021164.1	Ca_kabuli_chr05	31928236	AA	GG	1940342552
SNP_P1_101759_31928290	NC_021164.1	Ca_kabuli_chr05	31928290	GG	AA	1940342553
SNP_P1_101760_31928581	NC_021164.1	Ca_kabuli_chr05	31928581	GG	AA	1940342555
SNP_P1_101761_31928842	NC_021164.1	Ca_kabuli_chr05	31928842	GG	CC	1940342557
SNP_P1_101762_31929158	NC_021164.1	Ca_kabuli_chr05	31929158	TT	AA	1940342558
SNP_P1_101763_31929841	NC_021164.1	Ca_kabuli_chr05	31929841	TT	CC	1940342560
SNP_P1_101764_31930366	NC_021164.1	Ca_kabuli_chr05	31930366	TT	CC	1940342562
SNP_P1_101765_31930371	NC_021164.1	Ca_kabuli_chr05	31930371	TT	CC	1940342564
SNP_P1_101766_31930381	NC_021164.1	Ca_kabuli_chr05	31930381	GG	CC	1940342565
SNP_P1_101767_31930385	NC_021164.1	Ca_kabuli_chr05	31930385	AA	GG	1940342567
SNP_P1_101768_31930391	NC_021164.1	Ca_kabuli_chr05	31930391	AA	GG	1940342569
SNP_P1_101769_31930675	NC_021164.1	Ca_kabuli_chr05	31930675	TT	AA	1940342570
SNP_P1_101770_31930677	NC_021164.1	Ca_kabuli_chr05	31930677	AA	TT	1940342572
SNP_P1_101773_31938710	NC_021164.1	Ca_kabuli_chr05	31938710	AA	CC	1940342574
SNP_P1_101774_31938747	NC_021164.1	Ca_kabuli_chr05	31938747	TT	GG	1940342576
SNP_P1_101775_31938910	NC_021164.1	Ca_kabuli_chr05	31938910	TT	AA	1940342577
SNP_P1_101777_31941383	NC_021164.1	Ca_kabuli_chr05	31941383	AA	GG	1940342579
SNP_P1_101778_31941703	NC_021164.1	Ca_kabuli_chr05	31941703	TT	AA	1940342581
SNP_P1_101779_31942741	NC_021164.1	Ca_kabuli_chr05	31942741	CC	TT	1940342583
SNP_P1_101780_31942756	NC_021164.1	Ca_kabuli_chr05	31942756	AA	TT	1940342584
SNP_P1_101781_31942991	NC_021164.1	Ca_kabuli_chr05	31942991	CC	TT	1940342586
SNP_P1_101782_31944595	NC_021164.1	Ca_kabuli_chr05	31944595	GG	AA	1940342588
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SNP_P1_101785_31944973	NC_021164.1	Ca_kabuli_chr05	31944973	GG	AA	1940342593
SNP_P1_101786_31944993	NC_021164.1	Ca_kabuli_chr05	31944993	TT	CC	1940342595
SNP_P1_101787_31945033	NC_021164.1	Ca_kabuli_chr05	31945033	TT	CC	1940342596
SNP_P1_101788_31945494	NC_021164.1	Ca_kabuli_chr05	31945494	CC	TT	1940342598
SNP_P1_101789_31945495	NC_021164.1	Ca_kabuli_chr05	31945495	CC	GG	1940342600
SNP_P1_101790_31945968	NC_021164.1	Ca_kabuli_chr05	31945968	TT	AA	1940342602
SNP_P1_101791_31946024	NC_021164.1	Ca_kabuli_chr05	31946024	CC	TT	1940342603

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101794_31946218	NC_021164.1	Ca_kabuli_chr05	31946218	TT	AA	1940342608
SNP_P1_101795_31946224	NC_021164.1	Ca_kabuli_chr05	31946224	TT	AA	1940342610
SNP_P1_101796_31946250	NC_021164.1	Ca_kabuli_chr05	31946250	GG	AA	1940342612
SNP_P1_101797_31946290	NC_021164.1	Ca_kabuli_chr05	31946290	GG	TT	1940342614
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SNP_P1_101800_31946938	NC_021164.1	Ca_kabuli_chr05	31946938	TT	CC	1940342619
SNP_P1_101801_31947020	NC_021164.1	Ca_kabuli_chr05	31947020	AA	GG	1940342620
SNP_P1_101802_31947039	NC_021164.1	Ca_kabuli_chr05	31947039	TT	CC	1940342622
SNP_P1_101803_31948149	NC_021164.1	Ca_kabuli_chr05	31948149	GG	AA	1940342624
SNP_P1_101804_31948203	NC_021164.1	Ca_kabuli_chr05	31948203	AA	GG	1940342626
SNP_P1_101805_31948205	NC_021164.1	Ca_kabuli_chr05	31948205	GG	AA	1940342627
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SNP_P1_101814_31954444	NC_021164.1	Ca_kabuli_chr05	31954444	CC	GG	1940342643
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SNP_P1_101823_31957848	NC_021164.1	Ca_kabuli_chr05	31957848	TT	CC	1940342657
SNP_P1_101824_31958962	NC_021164.1	Ca_kabuli_chr05	31958962	AA	TT	1940342658
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SNP_P1_101826_31959012	NC_021164.1	Ca_kabuli_chr05	31959012	CC	TT	1940342662
SNP_P1_101827_31959310	NC_021164.1	Ca_kabuli_chr05	31959310	GG	CC	1940342664
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SNP_P1_101829_31960314	NC_021164.1	Ca_kabuli_chr05	31960314	AA	GG	1940342667
SNP_P1_101830_31960581	NC_021164.1	Ca_kabuli_chr05	31960581	TT	CC	1940342669
SNP_P1_101831_31960582	NC_021164.1	Ca_kabuli_chr05	31960582	TT	CC	1940342670
SNP_P1_101832_31960620	NC_021164.1	Ca_kabuli_chr05	31960620	TT	CC	1940342672
SNP_P1_101833_31961292	NC_021164.1	Ca_kabuli_chr05	31961292	AA	GG	1940342674
SNP_P1_101834_31961556	NC_021164.1	Ca_kabuli_chr05	31961556	AA	TT	1940342676

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101839_31963670	NC_021164.1	Ca_kabuli_chr05	31963670	GG	TT	1940342681
SNP_P1_101840_31964277	NC_021164.1	Ca_kabuli_chr05	31964277	GG	AA	1940342683
SNP_P1_101841_31964293	NC_021164.1	Ca_kabuli_chr05	31964293	AA	GG	1940342684
SNP_P1_101842_31964301	NC_021164.1	Ca_kabuli_chr05	31964301	CC	TT	1940342686
SNP_P1_101843_31964321	NC_021164.1	Ca_kabuli_chr05	31964321	TT	CC	1940342688
SNP_P1_101844_31964600	NC_021164.1	Ca_kabuli_chr05	31964600	CC	GG	1940342690
SNP_P1_101846_31965449	NC_021164.1	Ca_kabuli_chr05	31965449	GG	AA	1940342691
SNP_P1_101847_31965487	NC_021164.1	Ca_kabuli_chr05	31965487	AA	TT	1940342693
SNP_P1_101848_31965992	NC_021164.1	Ca_kabuli_chr05	31965992	GG	AA	1940342695
SNP_P1_101849_31966895	NC_021164.1	Ca_kabuli_chr05	31966895	GG	TT	1940342696
SNP_P1_101850_31966922	NC_021164.1	Ca_kabuli_chr05	31966922	CC	AA	1940342698
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SNP_P1_101861_31972710	NC_021164.1	Ca_kabuli_chr05	31972710	CC	AA	1940342714
SNP_P1_101862_31972730	NC_021164.1	Ca_kabuli_chr05	31972730	AA	GG	1940342715
SNP_P1_101863_31972933	NC_021164.1	Ca_kabuli_chr05	31972933	GG	AA	1940342717
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SNP_P1_101866_31973050	NC_021164.1	Ca_kabuli_chr05	31973050	AA	GG	1940342722
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SNP_P1_101869_31974162	NC_021164.1	Ca_kabuli_chr05	31974162	AA	TT	1940342726
SNP_P1_101870_31974202	NC_021164.1	Ca_kabuli_chr05	31974202	GG	TT	1940342727
SNP_P1_101872_31974745	NC_021164.1	Ca_kabuli_chr05	31974745	TT	CC	1940342729
SNP_P1_101873_31974786	NC_021164.1	Ca_kabuli_chr05	31974786	GG	AA	1940342731
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SNP_P1_101875_31975772	NC_021164.1	Ca_kabuli_chr05	31975772	GG	CC	1940342734
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SNP_P1_101882_31976625	NC_021164.1	Ca_kabuli_chr05	31976625	AA	GG	1940342746
SNP_P1_101883_31977546	NC_021164.1	Ca_kabuli_chr05	31977546	AA	CC	1940342748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101886_31977749	NC_021164.1	Ca_kabuli_chr05	31977749	CC	TT	1940342753
SNP_P1_101888_31979372	NC_021164.1	Ca_kabuli_chr05	31979372	AA	GG	1940342755
SNP_P1_101889_31979405	NC_021164.1	Ca_kabuli_chr05	31979405	TT	CC	1940342757
SNP_P1_101890_31979406	NC_021164.1	Ca_kabuli_chr05	31979406	AA	GG	1940342758
SNP_P1_101891_31981735	NC_021164.1	Ca_kabuli_chr05	31981735	AA	CC	1940342760
SNP_P1_101892_31982588	NC_021164.1	Ca_kabuli_chr05	31982588	CC	TT	1940342762
SNP_P1_101893_31982609	NC_021164.1	Ca_kabuli_chr05	31982609	CC	TT	1940342764
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SNP_P1_101895_31982911	NC_021164.1	Ca_kabuli_chr05	31982911	GG	AA	1940342767
SNP_P1_101896_31982912	NC_021164.1	Ca_kabuli_chr05	31982912	TT	CC	1940342769
SNP_P1_101897_31983945	NC_021164.1	Ca_kabuli_chr05	31983945	GG	AA	1940342771
SNP_P1_101898_31984062	NC_021164.1	Ca_kabuli_chr05	31984062	GG	AA	1940342772
SNP_P1_101899_31984065	NC_021164.1	Ca_kabuli_chr05	31984065	TT	CC	1940342774
SNP_P1_101900_31984111	NC_021164.1	Ca_kabuli_chr05	31984111	CC	AA	1940342776
SNP_P1_101901_31984291	NC_021164.1	Ca_kabuli_chr05	31984291	AA	TT	1940342777
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SNP_P1_101913_31989180	NC_021164.1	Ca_kabuli_chr05	31989180	GG	AA	1940342796
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SNP_P1_101915_31989467	NC_021164.1	Ca_kabuli_chr05	31989467	GG	AA	1940342800
SNP_P1_101916_31989503	NC_021164.1	Ca_kabuli_chr05	31989503	TT	CC	1940342802
SNP_P1_101917_31989555	NC_021164.1	Ca_kabuli_chr05	31989555	AA	GG	1940342803
SNP_P1_101918_31990212	NC_021164.1	Ca_kabuli_chr05	31990212	TT	CC	1940342805
SNP_P1_101919_31990295	NC_021164.1	Ca_kabuli_chr05	31990295	GG	AA	1940342807
SNP_P1_101920_31991153	NC_021164.1	Ca_kabuli_chr05	31991153	GG	TT	1940342809
SNP_P1_101921_31991169	NC_021164.1	Ca_kabuli_chr05	31991169	GG	AA	1940342810
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SNP_P1_101926_31992966	NC_021164.1	Ca_kabuli_chr05	31992966	TT	CC	1940342819
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101931_31994804	NC_021164.1	Ca_kabuli_chr05	31994804	CC	TT	1940342827
SNP_P1_101932_31994914	NC_021164.1	Ca_kabuli_chr05	31994914	TT	CC	1940342829
SNP_P1_101933_31995413	NC_021164.1	Ca_kabuli_chr05	31995413	AA	GG	1940342831
SNP_P1_101934_31995588	NC_021164.1	Ca_kabuli_chr05	31995588	GG	AA	1940342833
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SNP_P1_101936_31995640	NC_021164.1	Ca_kabuli_chr05	31995640	TT	CC	1940342836
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SNP_P1_101941_31998626	NC_021164.1	Ca_kabuli_chr05	31998626	CC	TT	1940342841
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SNP_P1_101960_32008574	NC_021164.1	Ca_kabuli_chr05	32008574	CC	TT	1940342871
SNP_P1_101961_32011400	NC_021164.1	Ca_kabuli_chr05	32011400	AA	TT	1940342872
SNP_P1_101962_32011972	NC_021164.1	Ca_kabuli_chr05	32011972	GG	TT	1940342874
SNP_P1_101963_32013848	NC_021164.1	Ca_kabuli_chr05	32013848	TT	AA	1940342876
SNP_P1_101964_32014366	NC_021164.1	Ca_kabuli_chr05	32014366	CC	AA	1940342877
SNP_P1_101965_32015211	NC_021164.1	Ca_kabuli_chr05	32015211	TT	AA	1940342879
SNP_P1_101966_32015282	NC_021164.1	Ca_kabuli_chr05	32015282	TT	CC	1940342881
SNP_P1_101968_32016267	NC_021164.1	Ca_kabuli_chr05	32016267	CC	TT	1940342883
SNP_P1_101969_32017930	NC_021164.1	Ca_kabuli_chr05	32017930	AA	GG	1940342884
SNP_P1_101970_32020829	NC_021164.1	Ca_kabuli_chr05	32020829	AA	GG	1940342886
SNP_P1_101971_32021619	NC_021164.1	Ca_kabuli_chr05	32021619	AA	TT	1940342888
SNP_P1_101973_32023454	NC_021164.1	Ca_kabuli_chr05	32023454	CC	AA	1940342890
SNP_P1_101974_32023529	NC_021164.1	Ca_kabuli_chr05	32023529	CC	TT	1940342891
SNP_P1_101975_32023688	NC_021164.1	Ca_kabuli_chr05	32023688	TT	CC	1940342893

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_101977_32027814	NC_021164.1	Ca_kabuli_chr05	32027814	AA	TT	1940342896
SNP_P1_101978_32029120	NC_021164.1	Ca_kabuli_chr05	32029120	GG	AA	1940342898
SNP_P1_101979_32032037	NC_021164.1	Ca_kabuli_chr05	32032037	TT	AA	1940342900
SNP_P1_101980_32032377	NC_021164.1	Ca_kabuli_chr05	32032377	AA	CC	1940342902
SNP_P1_101981_32032455	NC_021164.1	Ca_kabuli_chr05	32032455	AA	GG	1940342903
SNP_P1_101982_32032547	NC_021164.1	Ca_kabuli_chr05	32032547	TT	CC	1940342905
SNP_P1_101983_32039126	NC_021164.1	Ca_kabuli_chr05	32039126	AA	TT	1940342907
SNP_P1_101985_32039516	NC_021164.1	Ca_kabuli_chr05	32039516	AA	GG	1940342909
SNP_P1_101986_32040788	NC_021164.1	Ca_kabuli_chr05	32040788	GG	TT	1940342910
SNP_P1_101987_32040800	NC_021164.1	Ca_kabuli_chr05	32040800	AA	GG	1940342912
SNP_P1_101988_32041065	NC_021164.1	Ca_kabuli_chr05	32041065	AA	GG	1940342914
SNP_P1_101989_32041116	NC_021164.1	Ca_kabuli_chr05	32041116	CC	GG	1940342915
SNP_P1_101990_32041374	NC_021164.1	Ca_kabuli_chr05	32041374	GG	AA	1940342917
SNP_P1_101992_32041795	NC_021164.1	Ca_kabuli_chr05	32041795	CC	TT	1940342919
SNP_P1_101993_32041860	NC_021164.1	Ca_kabuli_chr05	32041860	CC	TT	1940342921
SNP_P1_101994_32041956	NC_021164.1	Ca_kabuli_chr05	32041956	CC	TT	1940342922
SNP_P1_101996_32042340	NC_021164.1	Ca_kabuli_chr05	32042340	GG	AA	1940342924
SNP_P1_101997_32042653	NC_021164.1	Ca_kabuli_chr05	32042653	GG	AA	1940342926
SNP_P1_101998_32042656	NC_021164.1	Ca_kabuli_chr05	32042656	TT	CC	1940342927
SNP_P1_101999_32043833	NC_021164.1	Ca_kabuli_chr05	32043833	GG	AA	1940342929
SNP_P1_102001_32044434	NC_021164.1	Ca_kabuli_chr05	32044434	CC	TT	1940342931
SNP_P1_102002_32044633	NC_021164.1	Ca_kabuli_chr05	32044633	TT	CC	1940342933
SNP_P1_102005_32044913	NC_021164.1	Ca_kabuli_chr05	32044913	AA	CC	1940342934
SNP_P1_102006_32044932	NC_021164.1	Ca_kabuli_chr05	32044932	GG	TT	1940342936
SNP_P1_102007_32044960	NC_021164.1	Ca_kabuli_chr05	32044960	AA	GG	1940342938
SNP_P1_102008_32044964	NC_021164.1	Ca_kabuli_chr05	32044964	TT	AA	1940342940
SNP_P1_102009_32045886	NC_021164.1	Ca_kabuli_chr05	32045886	CC	TT	1940342941
SNP_P1_102010_32046874	NC_021164.1	Ca_kabuli_chr05	32046874	GG	AA	1940342943
SNP_P1_102011_32047183	NC_021164.1	Ca_kabuli_chr05	32047183	GG	AA	1940342945
SNP_P1_102012_32062431	NC_021164.1	Ca_kabuli_chr05	32062431	AA	TT	1940342946
SNP_P1_102013_32062437	NC_021164.1	Ca_kabuli_chr05	32062437	TT	GG	1940342948
SNP_P1_102015_32063061	NC_021164.1	Ca_kabuli_chr05	32063061	AA	TT	1940342950
SNP_P1_102016_32063403	NC_021164.1	Ca_kabuli_chr05	32063403	AA	CC	1940342952
SNP_P1_102018_32064914	NC_021164.1	Ca_kabuli_chr05	32064914	GG	CC	1940342953
SNP_P1_102019_32064916	NC_021164.1	Ca_kabuli_chr05	32064916	GG	AA	1940342955
SNP_P1_102020_32064944	NC_021164.1	Ca_kabuli_chr05	32064944	TT	CC	1940342957
SNP_P1_102021_32064971	NC_021164.1	Ca_kabuli_chr05	32064971	AA	TT	1940342959
SNP_P1_102022_32065596	NC_021164.1	Ca_kabuli_chr05	32065596	GG	AA	1940342960
SNP_P1_102023_32066200	NC_021164.1	Ca_kabuli_chr05	32066200	AA	TT	1940342962
SNP_P1_102024_32066653	NC_021164.1	Ca_kabuli_chr05	32066653	GG	AA	1940342964
SNP_P1_102027_32069175	NC_021164.1	Ca_kabuli_chr05	32069175	AA	CC	1940342965

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102030_32073313	NC_021164.1	Ca_kabuli_chr05	32073313	TT	AA	1940342969
SNP_P1_102032_32075123	NC_021164.1	Ca_kabuli_chr05	32075123	TT	GG	1940342971
SNP_P1_102034_32076741	NC_021164.1	Ca_kabuli_chr05	32076741	CC	GG	1940342972
SNP_P1_102035_32076779	NC_021164.1	Ca_kabuli_chr05	32076779	AA	CC	1940342974
SNP_P1_102036_32078012	NC_021164.1	Ca_kabuli_chr05	32078012	GG	CC	1940342976
SNP_P1_102038_32080435	NC_021164.1	Ca_kabuli_chr05	32080435	AA	GG	1940342978
SNP_P1_102039_32080602	NC_021164.1	Ca_kabuli_chr05	32080602	AA	GG	1940342979
SNP_P1_102040_32080617	NC_021164.1	Ca_kabuli_chr05	32080617	GG	TT	1940342981
SNP_P1_102041_32080772	NC_021164.1	Ca_kabuli_chr05	32080772	AA	GG	1940342983
SNP_P1_102042_32080790	NC_021164.1	Ca_kabuli_chr05	32080790	CC	GG	1940342984
SNP_P1_102043_32081504	NC_021164.1	Ca_kabuli_chr05	32081504	GG	TT	1940342986
SNP_P1_102044_32082387	NC_021164.1	Ca_kabuli_chr05	32082387	GG	AA	1940342988
SNP_P1_102045_32082503	NC_021164.1	Ca_kabuli_chr05	32082503	CC	AA	1940342990
SNP_P1_102046_32082877	NC_021164.1	Ca_kabuli_chr05	32082877	CC	TT	1940342991
SNP_P1_102047_32082878	NC_021164.1	Ca_kabuli_chr05	32082878	AA	GG	1940342993
SNP_P1_102048_32082895	NC_021164.1	Ca_kabuli_chr05	32082895	AA	CC	1940342995
SNP_P1_102049_32083200	NC_021164.1	Ca_kabuli_chr05	32083200	GG	CC	1940342997
SNP_P1_102050_32083701	NC_021164.1	Ca_kabuli_chr05	32083701	TT	CC	1940342998
SNP_P1_102051_32084287	NC_021164.1	Ca_kabuli_chr05	32084287	TT	AA	1940343000
SNP_P1_102052_32084781	NC_021164.1	Ca_kabuli_chr05	32084781	TT	CC	1940343002
SNP_P1_102053_32084783	NC_021164.1	Ca_kabuli_chr05	32084783	GG	TT	1940343003
SNP_P1_102054_32084803	NC_021164.1	Ca_kabuli_chr05	32084803	GG	AA	1940343005
SNP_P1_102055_32085082	NC_021164.1	Ca_kabuli_chr05	32085082	GG	CC	1940343007
SNP_P1_102056_32085612	NC_021164.1	Ca_kabuli_chr05	32085612	TT	AA	1940343009
SNP_P1_102058_32087317	NC_021164.1	Ca_kabuli_chr05	32087317	TT	AA	1940343010
SNP_P1_102059_32087318	NC_021164.1	Ca_kabuli_chr05	32087318	TT	AA	1940343012
SNP_P1_102060_32087324	NC_021164.1	Ca_kabuli_chr05	32087324	AA	GG	1940343014
SNP_P1_102063_32090427	NC_021164.1	Ca_kabuli_chr05	32090427	GG	CC	1940343016
SNP_P1_102064_32092099	NC_021164.1	Ca_kabuli_chr05	32092099	AA	GG	1940343017
SNP_P1_102065_32092109	NC_021164.1	Ca_kabuli_chr05	32092109	CC	GG	1940343019
SNP_P1_102066_32092184	NC_021164.1	Ca_kabuli_chr05	32092184	AA	GG	1940343021
SNP_P1_102067_32092188	NC_021164.1	Ca_kabuli_chr05	32092188	CC	TT	1940343022
SNP_P1_102068_32092189	NC_021164.1	Ca_kabuli_chr05	32092189	AA	GG	1940343024
SNP_P1_102069_32092246	NC_021164.1	Ca_kabuli_chr05	32092246	AA	TT	1940343026
SNP_P1_102070_32092534	NC_021164.1	Ca_kabuli_chr05	32092534	TT	CC	1940343028
SNP_P1_102071_32092543	NC_021164.1	Ca_kabuli_chr05	32092543	TT	CC	1940343029
SNP_P1_102072_32092715	NC_021164.1	Ca_kabuli_chr05	32092715	TT	CC	1940343031
SNP_P1_102073_32092944	NC_021164.1	Ca_kabuli_chr05	32092944	AA	GG	1940343033
SNP_P1_102074_32092947	NC_021164.1	Ca_kabuli_chr05	32092947	TT	CC	1940343035
SNP_P1_102075_32092959	NC_021164.1	Ca_kabuli_chr05	32092959	GG	AA	1940343036
SNP_P1_102076_32092962	NC_021164.1	Ca_kabuli_chr05	32092962	CC	TT	1940343038

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102078_32094098	NC_021164.1	Ca_kabuli_chr05	32094098	AA	TT	1940343041
SNP_P1_102079_32094283	NC_021164.1	Ca_kabuli_chr05	32094283	AA	CC	1940343043
SNP_P1_102080_32094318	NC_021164.1	Ca_kabuli_chr05	32094318	AA	TT	1940343045
SNP_P1_102081_32094354	NC_021164.1	Ca_kabuli_chr05	32094354	AA	CC	1940343047
SNP_P1_102082_32094362	NC_021164.1	Ca_kabuli_chr05	32094362	GG	AA	1940343048
SNP_P1_102083_32094372	NC_021164.1	Ca_kabuli_chr05	32094372	GG	TT	1940343050
SNP_P1_102084_32094638	NC_021164.1	Ca_kabuli_chr05	32094638	AA	TT	1940343052
SNP_P1_102085_32094677	NC_021164.1	Ca_kabuli_chr05	32094677	AA	GG	1940343054
SNP_P1_102086_32094713	NC_021164.1	Ca_kabuli_chr05	32094713	GG	AA	1940343055
SNP_P1_102087_32096143	NC_021164.1	Ca_kabuli_chr05	32096143	CC	AA	1940343057
SNP_P1_102089_32096353	NC_021164.1	Ca_kabuli_chr05	32096353	TT	CC	1940343059
SNP_P1_102090_32096363	NC_021164.1	Ca_kabuli_chr05	32096363	GG	TT	1940343060
SNP_P1_102091_32096453	NC_021164.1	Ca_kabuli_chr05	32096453	GG	TT	1940343062
SNP_P1_102092_32097064	NC_021164.1	Ca_kabuli_chr05	32097064	TT	AA	1940343064
SNP_P1_102093_32097091	NC_021164.1	Ca_kabuli_chr05	32097091	AA	GG	1940343066
SNP_P1_102094_32097128	NC_021164.1	Ca_kabuli_chr05	32097128	GG	AA	1940343067
SNP_P1_102095_32097136	NC_021164.1	Ca_kabuli_chr05	32097136	CC	AA	1940343069
SNP_P1_102096_32097162	NC_021164.1	Ca_kabuli_chr05	32097162	AA	GG	1940343071
SNP_P1_102097_32097226	NC_021164.1	Ca_kabuli_chr05	32097226	TT	CC	1940343073
SNP_P1_102099_32100226	NC_021164.1	Ca_kabuli_chr05	32100226	TT	AA	1940343074
SNP_P1_102100_32100458	NC_021164.1	Ca_kabuli_chr05	32100458	CC	AA	1940343076
SNP_P1_102102_32102200	NC_021164.1	Ca_kabuli_chr05	32102200	AA	TT	1940343078
SNP_P1_102103_32102201	NC_021164.1	Ca_kabuli_chr05	32102201	CC	TT	1940343079
SNP_P1_102104_32102589	NC_021164.1	Ca_kabuli_chr05	32102589	CC	TT	1940343081
SNP_P1_102105_32102849	NC_021164.1	Ca_kabuli_chr05	32102849	GG	TT	1940343083
SNP_P1_102107_32104197	NC_021164.1	Ca_kabuli_chr05	32104197	CC	TT	1940343085
SNP_P1_102108_32104399	NC_021164.1	Ca_kabuli_chr05	32104399	GG	TT	1940343086
SNP_P1_102109_32104450	NC_021164.1	Ca_kabuli_chr05	32104450	TT	CC	1940343088
SNP_P1_102110_32104731	NC_021164.1	Ca_kabuli_chr05	32104731	TT	GG	1940343090
SNP_P1_102111_32107298	NC_021164.1	Ca_kabuli_chr05	32107298	AA	CC	1940343092
SNP_P1_102112_32108036	NC_021164.1	Ca_kabuli_chr05	32108036	GG	AA	1940343093
SNP_P1_102113_32108042	NC_021164.1	Ca_kabuli_chr05	32108042	GG	AA	1940343095
SNP_P1_102117_32112052	NC_021164.1	Ca_kabuli_chr05	32112052	AA	GG	1940343097
SNP_P1_102118_32112091	NC_021164.1	Ca_kabuli_chr05	32112091	GG	AA	1940343098
SNP_P1_102119_32112092	NC_021164.1	Ca_kabuli_chr05	32112092	CC	AA	1940343100
SNP_P1_102120_32112388	NC_021164.1	Ca_kabuli_chr05	32112388	GG	AA	1940343102
SNP_P1_102121_32112413	NC_021164.1	Ca_kabuli_chr05	32112413	AA	TT	1940343104
SNP_P1_102122_32112424	NC_021164.1	Ca_kabuli_chr05	32112424	AA	CC	1940343105
SNP_P1_102124_32112920	NC_021164.1	Ca_kabuli_chr05	32112920	CC	TT	1940343107
SNP_P1_102125_32112998	NC_021164.1	Ca_kabuli_chr05	32112998	TT	CC	1940343109
SNP_P1_102126_32113392	NC_021164.1	Ca_kabuli_chr05	32113392	AA	GG	1940343111

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102129_32114495	NC_021164.1	Ca_kabuli_chr05	32114495	CC	TT	1940343116
SNP_P1_102130_32114597	NC_021164.1	Ca_kabuli_chr05	32114597	CC	AA	1940343118
SNP_P1_102131_32114603	NC_021164.1	Ca_kabuli_chr05	32114603	TT	CC	1940343119
SNP_P1_102132_32114614	NC_021164.1	Ca_kabuli_chr05	32114614	CC	TT	1940343121
SNP_P1_102133_32114828	NC_021164.1	Ca_kabuli_chr05	32114828	AA	TT	1940343123
SNP_P1_102134_32114843	NC_021164.1	Ca_kabuli_chr05	32114843	TT	CC	1940343124
SNP_P1_102135_32114895	NC_021164.1	Ca_kabuli_chr05	32114895	AA	GG	1940343126
SNP_P1_102136_32114896	NC_021164.1	Ca_kabuli_chr05	32114896	GG	AA	1940343128
SNP_P1_102137_32115129	NC_021164.1	Ca_kabuli_chr05	32115129	CC	TT	1940343130
SNP_P1_102138_32115436	NC_021164.1	Ca_kabuli_chr05	32115436	GG	AA	1940343131
SNP_P1_102139_32115439	NC_021164.1	Ca_kabuli_chr05	32115439	GG	CC	1940343133
SNP_P1_102140_32115668	NC_021164.1	Ca_kabuli_chr05	32115668	AA	GG	1940343135
SNP_P1_102141_32115676	NC_021164.1	Ca_kabuli_chr05	32115676	AA	GG	1940343136
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SNP_P1_102143_32115989	NC_021164.1	Ca_kabuli_chr05	32115989	AA	TT	1940343140
SNP_P1_102145_32117415	NC_021164.1	Ca_kabuli_chr05	32117415	TT	CC	1940343142
SNP_P1_102146_32117893	NC_021164.1	Ca_kabuli_chr05	32117893	GG	AA	1940343143
SNP_P1_102147_32118035	NC_021164.1	Ca_kabuli_chr05	32118035	TT	CC	1940343145
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SNP_P1_102149_32118342	NC_021164.1	Ca_kabuli_chr05	32118342	AA	GG	1940343149
SNP_P1_102150_32118360	NC_021164.1	Ca_kabuli_chr05	32118360	CC	TT	1940343150
SNP_P1_102151_32118367	NC_021164.1	Ca_kabuli_chr05	32118367	TT	CC	1940343152
SNP_P1_102152_32118383	NC_021164.1	Ca_kabuli_chr05	32118383	TT	AA	1940343154
SNP_P1_102153_32118449	NC_021164.1	Ca_kabuli_chr05	32118449	AA	GG	1940343155
SNP_P1_102154_32118641	NC_021164.1	Ca_kabuli_chr05	32118641	TT	CC	1940343157
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SNP_P1_102156_32118666	NC_021164.1	Ca_kabuli_chr05	32118666	GG	AA	1940343161
SNP_P1_102157_32118703	NC_021164.1	Ca_kabuli_chr05	32118703	AA	TT	1940343162
SNP_P1_102158_32118789	NC_021164.1	Ca_kabuli_chr05	32118789	CC	TT	1940343164
SNP_P1_102159_32118822	NC_021164.1	Ca_kabuli_chr05	32118822	GG	AA	1940343166
SNP_P1_102160_32119211	NC_021164.1	Ca_kabuli_chr05	32119211	AA	TT	1940343168
SNP_P1_102162_32120881	NC_021164.1	Ca_kabuli_chr05	32120881	GG	AA	1940343169
SNP_P1_102163_32122474	NC_021164.1	Ca_kabuli_chr05	32122474	CC	TT	1940343171
SNP_P1_102164_32122829	NC_021164.1	Ca_kabuli_chr05	32122829	AA	CC	1940343173
SNP_P1_102165_32123010	NC_021164.1	Ca_kabuli_chr05	32123010	TT	AA	1940343174
SNP_P1_102166_32123080	NC_021164.1	Ca_kabuli_chr05	32123080	TT	CC	1940343176
SNP_P1_102167_32137564	NC_021164.1	Ca_kabuli_chr05	32137564	TT	CC	1940343178
SNP_P1_102168_32138539	NC_021164.1	Ca_kabuli_chr05	32138539	AA	TT	1940343180
SNP_P1_102169_32140117	NC_021164.1	Ca_kabuli_chr05	32140117	TT	AA	1940343181
SNP_P1_102170_32140125	NC_021164.1	Ca_kabuli_chr05	32140125	AA	GG	1940343183

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_102171_32140141	NC_021164.1	Ca_kabuli_chr05	32140141	AA	CC	1940343185
SNP_P1_102172_32140426	NC_021164.1	Ca_kabuli_chr05	32140426	CC	AA	1940343187
SNP_P1_102173_32142152	NC_021164.1	Ca_kabuli_chr05	32142152	TT	CC	1940343188
SNP_P1_102174_32142882	NC_021164.1	Ca_kabuli_chr05	32142882	AA	CC	1940343190
SNP_P1_102175_32142902	NC_021164.1	Ca_kabuli_chr05	32142902	AA	TT	1940343192
SNP_P1_102176_32143000	NC_021164.1	Ca_kabuli_chr05	32143000	AA	GG	1940343193
SNP_P1_102177_32143010	NC_021164.1	Ca_kabuli_chr05	32143010	CC	TT	1940343195
SNP_P1_102178_32144460	NC_021164.1	Ca_kabuli_chr05	32144460	CC	TT	1940343197
SNP_P1_102179_32144472	NC_021164.1	Ca_kabuli_chr05	32144472	TT	AA	1940343199
SNP_P1_102180_32146921	NC_021164.1	Ca_kabuli_chr05	32146921	AA	GG	1940343200
SNP_P1_102181_32146934	NC_021164.1	Ca_kabuli_chr05	32146934	TT	CC	1940343202
SNP_P1_102182_32148858	NC_021164.1	Ca_kabuli_chr05	32148858	TT	CC	1940343204
SNP_P1_102184_32150726	NC_021164.1	Ca_kabuli_chr05	32150726	CC	TT	1940343206
SNP_P1_102186_32151847	NC_021164.1	Ca_kabuli_chr05	32151847	AA	CC	1940343207
SNP_P1_102187_32151921	NC_021164.1	Ca_kabuli_chr05	32151921	AA	GG	1940343209
SNP_P1_102188_32151926	NC_021164.1	Ca_kabuli_chr05	32151926	AA	GG	1940343211
SNP_P1_102189_32155027	NC_021164.1	Ca_kabuli_chr05	32155027	AA	TT	1940343212
SNP_P1_102190_32155040	NC_021164.1	Ca_kabuli_chr05	32155040	AA	TT	1940343214
SNP_P1_102191_32155043	NC_021164.1	Ca_kabuli_chr05	32155043	CC	AA	1940343216
SNP_P1_102192_32155045	NC_021164.1	Ca_kabuli_chr05	32155045	CC	TT	1940343218
SNP_P1_102193_32156853	NC_021164.1	Ca_kabuli_chr05	32156853	AA	GG	1940343219
SNP_P1_102194_32157189	NC_021164.1	Ca_kabuli_chr05	32157189	AA	TT	1940343221
SNP_P1_102195_32157424	NC_021164.1	Ca_kabuli_chr05	32157424	AA	CC	1940343223
SNP_P1_102196_32157454	NC_021164.1	Ca_kabuli_chr05	32157454	AA	GG	1940343225
SNP_P1_102197_32157462	NC_021164.1	Ca_kabuli_chr05	32157462	CC	GG	1940343226
SNP_P1_102199_32159230	NC_021164.1	Ca_kabuli_chr05	32159230	CC	TT	1940343228
SNP_P1_102200_32159317	NC_021164.1	Ca_kabuli_chr05	32159317	AA	GG	1940343230
SNP_P1_102201_32159777	NC_021164.1	Ca_kabuli_chr05	32159777	GG	AA	1940343232
SNP_P1_102202_32159811	NC_021164.1	Ca_kabuli_chr05	32159811	TT	CC	1940343233
SNP_P1_102203_32160033	NC_021164.1	Ca_kabuli_chr05	32160033	CC	TT	1940343235
SNP_P1_102204_32161584	NC_021164.1	Ca_kabuli_chr05	32161584	TT	AA	1940343237
SNP_P1_102205_32161595	NC_021164.1	Ca_kabuli_chr05	32161595	AA	GG	1940343238
SNP_P1_102206_32162775	NC_021164.1	Ca_kabuli_chr05	32162775	AA	TT	1940343240
SNP_P1_102207_32162776	NC_021164.1	Ca_kabuli_chr05	32162776	CC	TT	1940343242
SNP_P1_102208_32162781	NC_021164.1	Ca_kabuli_chr05	32162781	CC	TT	1940343244
SNP_P1_102209_32162793	NC_021164.1	Ca_kabuli_chr05	32162793	TT	AA	1940343245
SNP_P1_102212_32164269	NC_021164.1	Ca_kabuli_chr05	32164269	AA	CC	1940343247
SNP_P1_102213_32164412	NC_021164.1	Ca_kabuli_chr05	32164412	TT	CC	1940343249
SNP_P1_102214_32165620	NC_021164.1	Ca_kabuli_chr05	32165620	TT	CC	1940343250
SNP_P1_102215_32165668	NC_021164.1	Ca_kabuli_chr05	32165668	AA	CC	1940343252
SNP_P1_102217_32165801	NC_021164.1	Ca_kabuli_chr05	32165801	TT	CC	1940343254
SNP_P1_102218_32165987	NC_021164.1	Ca_kabuli_chr05	32165987	TT	CC	1940343256

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_102219_32167369	NC_021164.1	Ca_kabuli_chr05	32167369	CC	AA	1940343257
SNP_P1_102220_32169361	NC_021164.1	Ca_kabuli_chr05	32169361	CC	TT	1940343259
SNP_P1_102221_32169366	NC_021164.1	Ca_kabuli_chr05	32169366	TT	AA	1940343261
SNP_P1_102223_32182621	NC_021164.1	Ca_kabuli_chr05	32182621	TT	CC	1940343263
SNP_P1_102224_32182660	NC_021164.1	Ca_kabuli_chr05	32182660	AA	CC	1940343264
SNP_P1_102227_32190236	NC_021164.1	Ca_kabuli_chr05	32190236	GG	AA	1940343266
SNP_P1_102228_32190432	NC_021164.1	Ca_kabuli_chr05	32190432	CC	TT	1940343268
SNP_P1_102230_32190789	NC_021164.1	Ca_kabuli_chr05	32190789	TT	GG	1940343269
SNP_P1_102231_32190866	NC_021164.1	Ca_kabuli_chr05	32190866	GG	AA	1940343271
SNP_P1_102232_32190913	NC_021164.1	Ca_kabuli_chr05	32190913	TT	AA	1940343273
SNP_P1_102233_32191294	NC_021164.1	Ca_kabuli_chr05	32191294	CC	TT	1940343275
SNP_P1_102234_32192369	NC_021164.1	Ca_kabuli_chr05	32192369	TT	CC	1940343276
SNP_P1_102235_32195594	NC_021164.1	Ca_kabuli_chr05	32195594	TT	GG	1940343278
SNP_P1_102237_32196963	NC_021164.1	Ca_kabuli_chr05	32196963	TT	CC	1940343280
SNP_P1_102238_32196983	NC_021164.1	Ca_kabuli_chr05	32196983	AA	TT	1940343282
SNP_P1_102239_32196986	NC_021164.1	Ca_kabuli_chr05	32196986	AA	GG	1940343283
SNP_P1_102240_32196987	NC_021164.1	Ca_kabuli_chr05	32196987	AA	GG	1940343285
SNP_P1_102241_32196992	NC_021164.1	Ca_kabuli_chr05	32196992	CC	TT	1940343287
SNP_P1_102242_32197004	NC_021164.1	Ca_kabuli_chr05	32197004	TT	CC	1940343288
SNP_P1_102243_32197011	NC_021164.1	Ca_kabuli_chr05	32197011	AA	TT	1940343290
SNP_P1_102244_32197297	NC_021164.1	Ca_kabuli_chr05	32197297	TT	AA	1940343292
SNP_P1_102245_32200369	NC_021164.1	Ca_kabuli_chr05	32200369	AA	TT	1940343294
SNP_P1_102246_32200521	NC_021164.1	Ca_kabuli_chr05	32200521	TT	AA	1940343295
SNP_P1_102247_32200622	NC_021164.1	Ca_kabuli_chr05	32200622	GG	AA	1940343297
SNP_P1_102248_32200735	NC_021164.1	Ca_kabuli_chr05	32200735	AA	TT	1940343299
SNP_P1_102249_32200972	NC_021164.1	Ca_kabuli_chr05	32200972	GG	TT	1940343300
SNP_P1_102250_32201037	NC_021164.1	Ca_kabuli_chr05	32201037	GG	CC	1940343302
SNP_P1_102251_32201258	NC_021164.1	Ca_kabuli_chr05	32201258	TT	CC	1940343304
SNP_P1_102252_32201327	NC_021164.1	Ca_kabuli_chr05	32201327	AA	GG	1940343306
SNP_P1_102254_32201383	NC_021164.1	Ca_kabuli_chr05	32201383	GG	CC	1940343307
SNP_P1_102255_32202030	NC_021164.1	Ca_kabuli_chr05	32202030	GG	TT	1940343309
SNP_P1_102256_32202946	NC_021164.1	Ca_kabuli_chr05	32202946	CC	TT	1940343311
SNP_P1_102257_32204303	NC_021164.1	Ca_kabuli_chr05	32204303	CC	TT	1940343313
SNP_P1_102258_32205581	NC_021164.1	Ca_kabuli_chr05	32205581	TT	CC	1940343314
SNP_P1_102259_32205968	NC_021164.1	Ca_kabuli_chr05	32205968	AA	GG	1940343316
SNP_P1_102260_32206048	NC_021164.1	Ca_kabuli_chr05	32206048	CC	TT	1940343318
SNP_P1_102261_32206052	NC_021164.1	Ca_kabuli_chr05	32206052	TT	CC	1940343320
SNP_P1_102262_32206341	NC_021164.1	Ca_kabuli_chr05	32206341	GG	AA	1940343321
SNP_P1_102263_32206344	NC_021164.1	Ca_kabuli_chr05	32206344	CC	TT	1940343323
SNP_P1_102264_32206351	NC_021164.1	Ca_kabuli_chr05	32206351	TT	GG	1940343325
SNP_P1_102265_32206363	NC_021164.1	Ca_kabuli_chr05	32206363	CC	TT	1940343326
SNP_P1_102266_32206404	NC_021164.1	Ca_kabuli_chr05	32206404	CC	TT	1940343328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_102267_32206889	NC_021164.1	Ca_kabuli_chr05	32206889	GG	AA	1940343330
SNP_P1_102268_32206960	NC_021164.1	Ca_kabuli_chr05	32206960	GG	CC	1940343332
SNP_P1_102269_32207655	NC_021164.1	Ca_kabuli_chr05	32207655	GG	AA	1940343333
SNP_P1_102270_32207727	NC_021164.1	Ca_kabuli_chr05	32207727	CC	TT	1940343335
SNP_P1_102271_32207729	NC_021164.1	Ca_kabuli_chr05	32207729	AA	TT	1940343337
SNP_P1_102272_32207764	NC_021164.1	Ca_kabuli_chr05	32207764	TT	CC	1940343338
SNP_P1_102273_32208647	NC_021164.1	Ca_kabuli_chr05	32208647	AA	CC	1940343340
SNP_P1_102274_32208948	NC_021164.1	Ca_kabuli_chr05	32208948	TT	AA	1940343342
SNP_P1_102276_32212033	NC_021164.1	Ca_kabuli_chr05	32212033	GG	AA	1940343344
SNP_P1_102277_32212216	NC_021164.1	Ca_kabuli_chr05	32212216	GG	TT	1940343345
SNP_P1_102278_32212434	NC_021164.1	Ca_kabuli_chr05	32212434	CC	TT	1940343347
SNP_P1_102280_32212965	NC_021164.1	Ca_kabuli_chr05	32212965	TT	AA	1940343349
SNP_P1_102281_32212972	NC_021164.1	Ca_kabuli_chr05	32212972	CC	AA	1940343351
SNP_P1_102282_32213058	NC_021164.1	Ca_kabuli_chr05	32213058	TT	CC	1940343352
SNP_P1_102283_32213090	NC_021164.1	Ca_kabuli_chr05	32213090	CC	GG	1940343354
SNP_P1_102284_32213093	NC_021164.1	Ca_kabuli_chr05	32213093	GG	AA	1940343356
SNP_P1_102285_32213107	NC_021164.1	Ca_kabuli_chr05	32213107	GG	AA	1940343357
SNP_P1_102286_32213184	NC_021164.1	Ca_kabuli_chr05	32213184	AA	GG	1940343359
SNP_P1_102287_32215495	NC_021164.1	Ca_kabuli_chr05	32215495	AA	TT	1940343361
SNP_P1_102288_32216719	NC_021164.1	Ca_kabuli_chr05	32216719	CC	AA	1940343363
SNP_P1_102289_32217229	NC_021164.1	Ca_kabuli_chr05	32217229	AA	GG	1940343364
SNP_P1_102290_32218810	NC_021164.1	Ca_kabuli_chr05	32218810	GG	TT	1940343366
SNP_P1_102291_32219318	NC_021164.1	Ca_kabuli_chr05	32219318	AA	GG	1940343368
SNP_P1_102292_32219334	NC_021164.1	Ca_kabuli_chr05	32219334	GG	AA	1940343370
SNP_P1_102293_32219346	NC_021164.1	Ca_kabuli_chr05	32219346	CC	TT	1940343371
SNP_P1_102294_32221725	NC_021164.1	Ca_kabuli_chr05	32221725	AA	TT	1940343373
SNP_P1_102296_32222078	NC_021164.1	Ca_kabuli_chr05	32222078	GG	CC	1940343375
SNP_P1_102297_32222086	NC_021164.1	Ca_kabuli_chr05	32222086	GG	AA	1940343376
SNP_P1_102298_32222098	NC_021164.1	Ca_kabuli_chr05	32222098	GG	TT	1940343378
SNP_P1_102299_32222573	NC_021164.1	Ca_kabuli_chr05	32222573	AA	CC	1940343380
SNP_P1_102300_32222578	NC_021164.1	Ca_kabuli_chr05	32222578	TT	CC	1940343382
SNP_P1_102301_32222638	NC_021164.1	Ca_kabuli_chr05	32222638	GG	AA	1940343383
SNP_P1_102302_32222707	NC_021164.1	Ca_kabuli_chr05	32222707	TT	AA	1940343385
SNP_P1_102303_32222796	NC_021164.1	Ca_kabuli_chr05	32222796	CC	TT	1940343387
SNP_P1_102304_32222821	NC_021164.1	Ca_kabuli_chr05	32222821	CC	TT	1940343388
SNP_P1_102305_32222868	NC_021164.1	Ca_kabuli_chr05	32222868	GG	TT	1940343390
SNP_P1_102306_32222979	NC_021164.1	Ca_kabuli_chr05	32222979	CC	TT	1940343392
SNP_P1_102307_32223018	NC_021164.1	Ca_kabuli_chr05	32223018	AA	GG	1940343394
SNP_P1_102308_32223677	NC_021164.1	Ca_kabuli_chr05	32223677	AA	GG	1940343395
SNP_P1_102309_32223684	NC_021164.1	Ca_kabuli_chr05	32223684	GG	AA	1940343397
SNP_P1_102310_32224435	NC_021164.1	Ca_kabuli_chr05	32224435	TT	CC	1940343399
SNP_P1_102311_32224445	NC_021164.1	Ca_kabuli_chr05	32224445	CC	GG	1940343401

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102313_32224764	NC_021164.1	Ca_kabuli_chr05	32224764	GG	TT	1940343404
SNP_P1_102314_32224776	NC_021164.1	Ca_kabuli_chr05	32224776	CC	TT	1940343406
SNP_P1_102315_32224897	NC_021164.1	Ca_kabuli_chr05	32224897	GG	AA	1940343407
SNP_P1_102316_32225410	NC_021164.1	Ca_kabuli_chr05	32225410	TT	CC	1940343409
SNP_P1_102317_32225961	NC_021164.1	Ca_kabuli_chr05	32225961	GG	AA	1940343411
SNP_P1_102318_32226190	NC_021164.1	Ca_kabuli_chr05	32226190	AA	GG	1940343413
SNP_P1_102319_32226254	NC_021164.1	Ca_kabuli_chr05	32226254	TT	CC	1940343414
SNP_P1_102320_32226292	NC_021164.1	Ca_kabuli_chr05	32226292	GG	AA	1940343416
SNP_P1_102321_32226497	NC_021164.1	Ca_kabuli_chr05	32226497	TT	CC	1940343418
SNP_P1_102324_32226765	NC_021164.1	Ca_kabuli_chr05	32226765	TT	AA	1940343420
SNP_P1_102325_32226827	NC_021164.1	Ca_kabuli_chr05	32226827	GG	TT	1940343421
SNP_P1_102326_32226905	NC_021164.1	Ca_kabuli_chr05	32226905	GG	AA	1940343423
SNP_P1_102328_32227183	NC_021164.1	Ca_kabuli_chr05	32227183	TT	CC	1940343425
SNP_P1_102329_32227725	NC_021164.1	Ca_kabuli_chr05	32227725	AA	GG	1940343426
SNP_P1_102330_32227726	NC_021164.1	Ca_kabuli_chr05	32227726	GG	AA	1940343428
SNP_P1_102333_32232233	NC_021164.1	Ca_kabuli_chr05	32232233	CC	TT	1940343430
SNP_P1_102335_32234791	NC_021164.1	Ca_kabuli_chr05	32234791	TT	AA	1940343432
SNP_P1_102336_32234821	NC_021164.1	Ca_kabuli_chr05	32234821	TT	AA	1940343433
SNP_P1_102337_32234825	NC_021164.1	Ca_kabuli_chr05	32234825	TT	AA	1940343435
SNP_P1_102338_32234835	NC_021164.1	Ca_kabuli_chr05	32234835	TT	AA	1940343437
SNP_P1_102339_32235913	NC_021164.1	Ca_kabuli_chr05	32235913	GG	AA	1940343439
SNP_P1_102340_32235925	NC_021164.1	Ca_kabuli_chr05	32235925	GG	TT	1940343440
SNP_P1_102341_32235926	NC_021164.1	Ca_kabuli_chr05	32235926	AA	GG	1940343442
SNP_P1_102342_32235945	NC_021164.1	Ca_kabuli_chr05	32235945	AA	GG	1940343444
SNP_P1_102343_32237320	NC_021164.1	Ca_kabuli_chr05	32237320	AA	CC	1940343445
SNP_P1_102344_32238070	NC_021164.1	Ca_kabuli_chr05	32238070	TT	CC	1940343447
SNP_P1_102345_32238980	NC_021164.1	Ca_kabuli_chr05	32238980	CC	GG	1940343449
SNP_P1_102346_32239494	NC_021164.1	Ca_kabuli_chr05	32239494	CC	TT	1940343451
SNP_P1_102347_32239798	NC_021164.1	Ca_kabuli_chr05	32239798	TT	AA	1940343452
SNP_P1_102348_32239799	NC_021164.1	Ca_kabuli_chr05	32239799	TT	AA	1940343454
SNP_P1_102349_32239800	NC_021164.1	Ca_kabuli_chr05	32239800	TT	AA	1940343456
SNP_P1_102351_32241530	NC_021164.1	Ca_kabuli_chr05	32241530	CC	TT	1940343457
SNP_P1_102352_32242819	NC_021164.1	Ca_kabuli_chr05	32242819	TT	GG	1940343459
SNP_P1_102353_32243575	NC_021164.1	Ca_kabuli_chr05	32243575	GG	AA	1940343461
SNP_P1_102354_32243612	NC_021164.1	Ca_kabuli_chr05	32243612	TT	CC	1940343463
SNP_P1_102355_32244508	NC_021164.1	Ca_kabuli_chr05	32244508	CC	AA	1940343464
SNP_P1_102356_32244540	NC_021164.1	Ca_kabuli_chr05	32244540	TT	AA	1940343466
SNP_P1_102357_32244561	NC_021164.1	Ca_kabuli_chr05	32244561	CC	TT	1940343468
SNP_P1_102358_32244764	NC_021164.1	Ca_kabuli_chr05	32244764	CC	AA	1940343470
SNP_P1_102360_32248485	NC_021164.1	Ca_kabuli_chr05	32248485	TT	CC	1940343471
SNP_P1_102361_32252784	NC_021164.1	Ca_kabuli_chr05	32252784	AA	GG	1940343473

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102363_32258038	NC_021164.1	Ca_kabuli_chr05	32258038	CC	TT	1940343477
SNP_P1_102364_32258044	NC_021164.1	Ca_kabuli_chr05	32258044	AA	CC	1940343478
SNP_P1_102365_32258946	NC_021164.1	Ca_kabuli_chr05	32258946	GG	TT	1940343480
SNP_P1_102366_32259284	NC_021164.1	Ca_kabuli_chr05	32259284	TT	CC	1940343482
SNP_P1_102367_32259298	NC_021164.1	Ca_kabuli_chr05	32259298	TT	AA	1940343483
SNP_P1_102368_32259464	NC_021164.1	Ca_kabuli_chr05	32259464	GG	AA	1940343485
SNP_P1_102369_32260902	NC_021164.1	Ca_kabuli_chr05	32260902	CC	TT	1940343487
SNP_P1_102370_32260944	NC_021164.1	Ca_kabuli_chr05	32260944	GG	AA	1940343489
SNP_P1_102371_32261002	NC_021164.1	Ca_kabuli_chr05	32261002	CC	TT	1940343490
SNP_P1_102372_32261109	NC_021164.1	Ca_kabuli_chr05	32261109	GG	TT	1940343492
SNP_P1_102373_32261256	NC_021164.1	Ca_kabuli_chr05	32261256	GG	TT	1940343494
SNP_P1_102374_32267404	NC_021164.1	Ca_kabuli_chr05	32267404	AA	GG	1940343495
SNP_P1_102375_32267612	NC_021164.1	Ca_kabuli_chr05	32267612	AA	GG	1940343497
SNP_P1_102376_32267918	NC_021164.1	Ca_kabuli_chr05	32267918	TT	GG	1940343499
SNP_P1_102377_32268446	NC_021164.1	Ca_kabuli_chr05	32268446	AA	GG	1940343501
SNP_P1_102378_32268455	NC_021164.1	Ca_kabuli_chr05	32268455	AA	TT	1940343502
SNP_P1_102379_32269321	NC_021164.1	Ca_kabuli_chr05	32269321	AA	GG	1940343504
SNP_P1_102380_32270313	NC_021164.1	Ca_kabuli_chr05	32270313	CC	TT	1940343506
SNP_P1_102381_32270815	NC_021164.1	Ca_kabuli_chr05	32270815	CC	TT	1940343508
SNP_P1_102382_32273433	NC_021164.1	Ca_kabuli_chr05	32273433	AA	GG	1940343509
SNP_P1_102383_32273468	NC_021164.1	Ca_kabuli_chr05	32273468	AA	CC	1940343511
SNP_P1_102384_32274532	NC_021164.1	Ca_kabuli_chr05	32274532	GG	AA	1940343513
SNP_P1_102386_32276164	NC_021164.1	Ca_kabuli_chr05	32276164	AA	CC	1940343514
SNP_P1_102387_32276204	NC_021164.1	Ca_kabuli_chr05	32276204	GG	AA	1940343516
SNP_P1_102389_32279317	NC_021164.1	Ca_kabuli_chr05	32279317	CC	TT	1940343518
SNP_P1_102390_32279623	NC_021164.1	Ca_kabuli_chr05	32279623	GG	TT	1940343520
SNP_P1_102391_32279729	NC_021164.1	Ca_kabuli_chr05	32279729	GG	AA	1940343521
SNP_P1_102392_32286789	NC_021164.1	Ca_kabuli_chr05	32286789	GG	AA	1940343523
SNP_P1_102393_32288460	NC_021164.1	Ca_kabuli_chr05	32288460	TT	GG	1940343525
SNP_P1_102395_32290627	NC_021164.1	Ca_kabuli_chr05	32290627	TT	CC	1940343527
SNP_P1_102396_32292902	NC_021164.1	Ca_kabuli_chr05	32292902	GG	AA	1940343528
SNP_P1_102397_32293210	NC_021164.1	Ca_kabuli_chr05	32293210	GG	AA	1940343530
SNP_P1_102398_32297897	NC_021164.1	Ca_kabuli_chr05	32297897	AA	GG	1940343532
SNP_P1_102399_32298542	NC_021164.1	Ca_kabuli_chr05	32298542	GG	AA	1940343533
SNP_P1_102400_32299336	NC_021164.1	Ca_kabuli_chr05	32299336	AA	GG	1940343535
SNP_P1_102401_32301744	NC_021164.1	Ca_kabuli_chr05	32301744	CC	AA	1940343537
SNP_P1_102402_32302701	NC_021164.1	Ca_kabuli_chr05	32302701	GG	TT	1940343539
SNP_P1_102404_32305782	NC_021164.1	Ca_kabuli_chr05	32305782	TT	AA	1940343540
SNP_P1_102405_32305961	NC_021164.1	Ca_kabuli_chr05	32305961	TT	AA	1940343542
SNP_P1_102406_32307012	NC_021164.1	Ca_kabuli_chr05	32307012	TT	CC	1940343544
SNP_P1_102407_32307069	NC_021164.1	Ca_kabuli_chr05	32307069	CC	TT	1940343545

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102409_32307453	NC_021164.1	Ca_kabuli_chr05	32307453	CC	GG	1940343549
SNP_P1_102410_32307629	NC_021164.1	Ca_kabuli_chr05	32307629	AA	GG	1940343551
SNP_P1_102411_32309669	NC_021164.1	Ca_kabuli_chr05	32309669	TT	CC	1940343552
SNP_P1_102412_32309671	NC_021164.1	Ca_kabuli_chr05	32309671	CC	AA	1940343554
SNP_P1_102413_32312651	NC_021164.1	Ca_kabuli_chr05	32312651	GG	AA	1940343556
SNP_P1_102414_32312663	NC_021164.1	Ca_kabuli_chr05	32312663	TT	CC	1940343558
SNP_P1_102415_32312681	NC_021164.1	Ca_kabuli_chr05	32312681	CC	TT	1940343559
SNP_P1_102416_32313453	NC_021164.1	Ca_kabuli_chr05	32313453	GG	CC	1940343561
SNP_P1_102417_32313485	NC_021164.1	Ca_kabuli_chr05	32313485	CC	GG	1940343563
SNP_P1_102420_32315529	NC_021164.1	Ca_kabuli_chr05	32315529	GG	TT	1940343564
SNP_P1_102421_32317289	NC_021164.1	Ca_kabuli_chr05	32317289	TT	CC	1940343566
SNP_P1_102422_32317492	NC_021164.1	Ca_kabuli_chr05	32317492	TT	CC	1940343568
SNP_P1_102423_32317824	NC_021164.1	Ca_kabuli_chr05	32317824	CC	TT	1940343570
SNP_P1_102425_32320120	NC_021164.1	Ca_kabuli_chr05	32320120	GG	AA	1940343571
SNP_P1_102426_32320128	NC_021164.1	Ca_kabuli_chr05	32320128	AA	CC	1940343573
SNP_P1_102427_32320130	NC_021164.1	Ca_kabuli_chr05	32320130	GG	AA	1940343575
SNP_P1_102428_32320291	NC_021164.1	Ca_kabuli_chr05	32320291	GG	CC	1940343577
SNP_P1_102429_32320349	NC_021164.1	Ca_kabuli_chr05	32320349	CC	GG	1940343578
SNP_P1_102430_32320354	NC_021164.1	Ca_kabuli_chr05	32320354	TT	AA	1940343580
SNP_P1_102431_32320453	NC_021164.1	Ca_kabuli_chr05	32320453	CC	TT	1940343582
SNP_P1_102432_32321942	NC_021164.1	Ca_kabuli_chr05	32321942	AA	CC	1940343583
SNP_P1_102433_32323663	NC_021164.1	Ca_kabuli_chr05	32323663	GG	AA	1940343585
SNP_P1_102435_32324712	NC_021164.1	Ca_kabuli_chr05	32324712	CC	TT	1940343587
SNP_P1_102436_32324721	NC_021164.1	Ca_kabuli_chr05	32324721	CC	AA	1940343589
SNP_P1_102438_32327490	NC_021164.1	Ca_kabuli_chr05	32327490	CC	TT	1940343590
SNP_P1_102439_32328280	NC_021164.1	Ca_kabuli_chr05	32328280	GG	CC	1940343592
SNP_P1_102440_32332939	NC_021164.1	Ca_kabuli_chr05	32332939	CC	TT	1940343594
SNP_P1_102441_32344127	NC_021164.1	Ca_kabuli_chr05	32344127	AA	GG	1940343596
SNP_P1_102441_32344170	NC_021164.1	Ca_kabuli_chr05	32344170	AA	GG	1940343597
SNP_P1_102443_32344338	NC_021164.1	Ca_kabuli_chr05	32344338	GG	TT	1940343599
SNP_P1_102444_32344344	NC_021164.1	Ca_kabuli_chr05	32344344	GG	AA	1940343601
SNP_P1_102446_32347572	NC_021164.1	Ca_kabuli_chr05	32347572	CC	GG	1940343602
SNP_P1_102447_32347573	NC_021164.1	Ca_kabuli_chr05	32347573	TT	GG	1940343604
SNP_P1_102448_32347608	NC_021164.1	Ca_kabuli_chr05	32347608	CC	TT	1940343606
SNP_P1_102449_32347661	NC_021164.1	Ca_kabuli_chr05	32347661	GG	AA	1940343608
SNP_P1_102450_32348476	NC_021164.1	Ca_kabuli_chr05	32348476	TT	CC	1940343609
SNP_P1_102451_32348547	NC_021164.1	Ca_kabuli_chr05	32348547	AA	GG	1940343611
SNP_P1_102453_32349455	NC_021164.1	Ca_kabuli_chr05	32349455	CC	AA	1940343613
SNP_P1_102455_32349779	NC_021164.1	Ca_kabuli_chr05	32349779	GG	AA	1940343615
SNP_P1_102456_32350118	NC_021164.1	Ca_kabuli_chr05	32350118	GG	AA	1940343616
SNP_P1_102457_32350157	NC_021164.1	Ca_kabuli_chr05	32350157	TT	CC	1940343618

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102459_32350669	NC_021164.1	Ca_kabuli_chr05	32350669	TT	GG	1940343621
SNP_P1_102460_32350670	NC_021164.1	Ca_kabuli_chr05	32350670	AA	TT	1940343623
SNP_P1_102461_32350905	NC_021164.1	Ca_kabuli_chr05	32350905	CC	TT	1940343625
SNP_P1_102462_32351280	NC_021164.1	Ca_kabuli_chr05	32351280	TT	CC	1940343627
SNP_P1_102463_32351429	NC_021164.1	Ca_kabuli_chr05	32351429	AA	GG	1940343628
SNP_P1_102464_32352272	NC_021164.1	Ca_kabuli_chr05	32352272	AA	CC	1940343630
SNP_P1_102465_32352415	NC_021164.1	Ca_kabuli_chr05	32352415	GG	CC	1940343632
SNP_P1_102466_32352569	NC_021164.1	Ca_kabuli_chr05	32352569	GG	CC	1940343634
SNP_P1_102467_32354107	NC_021164.1	Ca_kabuli_chr05	32354107	AA	TT	1940343635
SNP_P1_102468_32354108	NC_021164.1	Ca_kabuli_chr05	32354108	AA	TT	1940343637
SNP_P1_102469_32354122	NC_021164.1	Ca_kabuli_chr05	32354122	CC	TT	1940343639
SNP_P1_102470_32358086	NC_021164.1	Ca_kabuli_chr05	32358086	GG	AA	1940343640
SNP_P1_102471_32359524	NC_021164.1	Ca_kabuli_chr05	32359524	CC	TT	1940343642
SNP_P1_102472_32361133	NC_021164.1	Ca_kabuli_chr05	32361133	AA	CC	1940343644
SNP_P1_102473_32363384	NC_021164.1	Ca_kabuli_chr05	32363384	AA	CC	1940343646
SNP_P1_102474_32363386	NC_021164.1	Ca_kabuli_chr05	32363386	AA	GG	1940343647
SNP_P1_102475_32364523	NC_021164.1	Ca_kabuli_chr05	32364523	GG	AA	1940343649
SNP_P1_102476_32364532	NC_021164.1	Ca_kabuli_chr05	32364532	AA	GG	1940343651
SNP_P1_102477_32365301	NC_021164.1	Ca_kabuli_chr05	32365301	TT	AA	1940343652
SNP_P1_102478_32365825	NC_021164.1	Ca_kabuli_chr05	32365825	AA	GG	1940343654
SNP_P1_102479_32365832	NC_021164.1	Ca_kabuli_chr05	32365832	TT	AA	1940343656
SNP_P1_102480_32380394	NC_021164.1	Ca_kabuli_chr05	32380394	CC	TT	1940343658
SNP_P1_102481_32380740	NC_021164.1	Ca_kabuli_chr05	32380740	AA	GG	1940343659
SNP_P1_102482_32385541	NC_021164.1	Ca_kabuli_chr05	32385541	GG	TT	1940343661
SNP_P1_102483_32388207	NC_021164.1	Ca_kabuli_chr05	32388207	TT	CC	1940343663
SNP_P1_102484_32388584	NC_021164.1	Ca_kabuli_chr05	32388584	CC	TT	1940343665
SNP_P1_102485_32388672	NC_021164.1	Ca_kabuli_chr05	32388672	GG	AA	1940343666
SNP_P1_102488_32411324	NC_021164.1	Ca_kabuli_chr05	32411324	AA	CC	1940343668
SNP_P1_102489_32411331	NC_021164.1	Ca_kabuli_chr05	32411331	GG	TT	1940343670
SNP_P1_102490_32411332	NC_021164.1	Ca_kabuli_chr05	32411332	GG	TT	1940343672
SNP_P1_102491_32432789	NC_021164.1	Ca_kabuli_chr05	32432789	CC	TT	1940343673
SNP_P1_102494_32478658	NC_021164.1	Ca_kabuli_chr05	32478658	AA	TT	1940343675
SNP_P1_102496_32521579	NC_021164.1	Ca_kabuli_chr05	32521579	AA	GG	1940343677
SNP_P1_102497_32521580	NC_021164.1	Ca_kabuli_chr05	32521580	TT	CC	1940343678
SNP_P1_102499_32562329	NC_021164.1	Ca_kabuli_chr05	32562329	AA	GG	1940343680
SNP_P1_102500_32600970	NC_021164.1	Ca_kabuli_chr05	32600970	CC	GG	1940343682
SNP_P1_102503_32642504	NC_021164.1	Ca_kabuli_chr05	32642504	GG	AA	1940343684
SNP_P1_102504_32649556	NC_021164.1	Ca_kabuli_chr05	32649556	CC	TT	1940343685
SNP_P1_102505_32649557	NC_021164.1	Ca_kabuli_chr05	32649557	CC	TT	1940343687
SNP_P1_102507_32649728	NC_021164.1	Ca_kabuli_chr05	32649728	GG	TT	1940343689
SNP_P1_102508_32664231	NC_021164.1	Ca_kabuli_chr05	32664231	CC	TT	1940343690

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102510_32709727	NC_021164.1	Ca_kabuli_chr05	32709727	TT	AA	1940343694
SNP_P1_102511_32717008	NC_021164.1	Ca_kabuli_chr05	32717008	CC	TT	1940343696
SNP_P1_102512_32723000	NC_021164.1	Ca_kabuli_chr05	32723000	AA	TT	1940343697
SNP_P1_102513_32745696	NC_021164.1	Ca_kabuli_chr05	32745696	GG	AA	1940343699
SNP_P1_102515_32745794	NC_021164.1	Ca_kabuli_chr05	32745794	GG	AA	1940343701
SNP_P1_102516_32764330	NC_021164.1	Ca_kabuli_chr05	32764330	GG	CC	1940343703
SNP_P1_102518_32771729	NC_021164.1	Ca_kabuli_chr05	32771729	CC	TT	1940343704
SNP_P1_102520_32771759	NC_021164.1	Ca_kabuli_chr05	32771759	GG	TT	1940343706
SNP_P1_102521_32780025	NC_021164.1	Ca_kabuli_chr05	32780025	GG	AA	1940343708
SNP_P1_102523_32791931	NC_021164.1	Ca_kabuli_chr05	32791931	TT	AA	1940343709
SNP_P1_102524_32792716	NC_021164.1	Ca_kabuli_chr05	32792716	AA	GG	1940343711
SNP_P1_102525_32792723	NC_021164.1	Ca_kabuli_chr05	32792723	TT	GG	1940343713
SNP_P1_102526_32824783	NC_021164.1	Ca_kabuli_chr05	32824783	CC	TT	1940343715
SNP_P1_102527_32844944	NC_021164.1	Ca_kabuli_chr05	32844944	AA	GG	1940343716
SNP_P1_102529_32857042	NC_021164.1	Ca_kabuli_chr05	32857042	CC	TT	1940343718
SNP_P1_102530_32884499	NC_021164.1	Ca_kabuli_chr05	32884499	AA	TT	1940343720
SNP_P1_102531_32909060	NC_021164.1	Ca_kabuli_chr05	32909060	TT	CC	1940343721
SNP_P1_102533_32919776	NC_021164.1	Ca_kabuli_chr05	32919776	AA	GG	1940343723
SNP_P1_102534_32952922	NC_021164.1	Ca_kabuli_chr05	32952922	TT	GG	1940343725
SNP_P1_102535_32952924	NC_021164.1	Ca_kabuli_chr05	32952924	TT	GG	1940343727
SNP_P1_102536_33003196	NC_021164.1	Ca_kabuli_chr05	33003196	AA	GG	1940343728
SNP_P1_102537_33007032	NC_021164.1	Ca_kabuli_chr05	33007032	AA	GG	1940343730
SNP_P1_102538_33016510	NC_021164.1	Ca_kabuli_chr05	33016510	GG	AA	1940343732
SNP_P1_102540_33069404	NC_021164.1	Ca_kabuli_chr05	33069404	AA	GG	1940343734
SNP_P1_102541_33087711	NC_021164.1	Ca_kabuli_chr05	33087711	AA	GG	1940343735
SNP_P1_102542_33091001	NC_021164.1	Ca_kabuli_chr05	33091001	TT	GG	1940343737
SNP_P1_102543_33091002	NC_021164.1	Ca_kabuli_chr05	33091002	AA	TT	1940343739
SNP_P1_102544_33097290	NC_021164.1	Ca_kabuli_chr05	33097290	CC	TT	1940343740
SNP_P1_102545_33118392	NC_021164.1	Ca_kabuli_chr05	33118392	GG	CC	1940343742
SNP_P1_102546_33125077	NC_021164.1	Ca_kabuli_chr05	33125077	TT	CC	1940343744
SNP_P1_102547_33146616	NC_021164.1	Ca_kabuli_chr05	33146616	TT	CC	1940343746
SNP_P1_102549_33166193	NC_021164.1	Ca_kabuli_chr05	33166193	GG	AA	1940343747
SNP_P1_102550_33166197	NC_021164.1	Ca_kabuli_chr05	33166197	GG	TT	1940343749
SNP_P1_102551_33166345	NC_021164.1	Ca_kabuli_chr05	33166345	CC	TT	1940343751
SNP_P1_102552_33166393	NC_021164.1	Ca_kabuli_chr05	33166393	TT	CC	1940343753
SNP_P1_102553_33166935	NC_021164.1	Ca_kabuli_chr05	33166935	GG	AA	1940343754
SNP_P1_102554_33166936	NC_021164.1	Ca_kabuli_chr05	33166936	AA	GG	1940343756
SNP_P1_102555_33184267	NC_021164.1	Ca_kabuli_chr05	33184267	CC	TT	1940343758
SNP_P1_102556_33215596	NC_021164.1	Ca_kabuli_chr05	33215596	GG	TT	1940343759
SNP_P1_102559_33225210	NC_021164.1	Ca_kabuli_chr05	33225210	CC	TT	1940343761
SNP_P1_102560_33225329	NC_021164.1	Ca_kabuli_chr05	33225329	CC	TT	1940343763

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102562_33225551	NC_021164.1	Ca_kabuli_chr05	33225551	AA	GG	1940343766
SNP_P1_102563_33225588	NC_021164.1	Ca_kabuli_chr05	33225588	CC	AA	1940343768
SNP_P1_102564_33225621	NC_021164.1	Ca_kabuli_chr05	33225621	AA	GG	1940343770
SNP_P1_102565_33225721	NC_021164.1	Ca_kabuli_chr05	33225721	TT	CC	1940343771
SNP_P1_102566_33225778	NC_021164.1	Ca_kabuli_chr05	33225778	GG	AA	1940343773
SNP_P1_102567_33257621	NC_021164.1	Ca_kabuli_chr05	33257621	TT	AA	1940343775
SNP_P1_102568_33257627	NC_021164.1	Ca_kabuli_chr05	33257627	GG	TT	1940343777
SNP_P1_102569_33257675	NC_021164.1	Ca_kabuli_chr05	33257675	AA	GG	1940343778
SNP_P1_102571_33264252	NC_021164.1	Ca_kabuli_chr05	33264252	GG	AA	1940343780
SNP_P1_102572_33268615	NC_021164.1	Ca_kabuli_chr05	33268615	CC	TT	1940343782
SNP_P1_102573_33364234	NC_021164.1	Ca_kabuli_chr05	33364234	AA	GG	1940343784
SNP_P1_102575_33390188	NC_021164.1	Ca_kabuli_chr05	33390188	CC	TT	1940343785
SNP_P1_102576_33390198	NC_021164.1	Ca_kabuli_chr05	33390198	CC	TT	1940343787
SNP_P1_102577_33413811	NC_021164.1	Ca_kabuli_chr05	33413811	AA	TT	1940343789
SNP_P1_102578_33414106	NC_021164.1	Ca_kabuli_chr05	33414106	CC	AA	1940343791
SNP_P1_102580_33428697	NC_021164.1	Ca_kabuli_chr05	33428697	GG	AA	1940343792
SNP_P1_102581_33435708	NC_021164.1	Ca_kabuli_chr05	33435708	CC	GG	1940343794
SNP_P1_102582_33439020	NC_021164.1	Ca_kabuli_chr05	33439020	AA	GG	1940343796
SNP_P1_102583_33441154	NC_021164.1	Ca_kabuli_chr05	33441154	TT	AA	1940343797
SNP_P1_102584_33441522	NC_021164.1	Ca_kabuli_chr05	33441522	TT	CC	1940343799
SNP_P1_102585_33441534	NC_021164.1	Ca_kabuli_chr05	33441534	TT	CC	1940343801
SNP_P1_102586_33441585	NC_021164.1	Ca_kabuli_chr05	33441585	CC	GG	1940343803
SNP_P1_102587_33444153	NC_021164.1	Ca_kabuli_chr05	33444153	TT	GG	1940343804
SNP_P1_102588_33444155	NC_021164.1	Ca_kabuli_chr05	33444155	TT	GG	1940343806
SNP_P1_102591_33451021	NC_021164.1	Ca_kabuli_chr05	33451021	CC	AA	1940343808
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SNP_P1_102595_33457258	NC_021164.1	Ca_kabuli_chr05	33457258	AA	TT	1940343811
SNP_P1_102597_33457504	NC_021164.1	Ca_kabuli_chr05	33457504	CC	AA	1940343813
SNP_P1_102598_33457639	NC_021164.1	Ca_kabuli_chr05	33457639	TT	CC	1940343815
SNP_P1_102599_33457689	NC_021164.1	Ca_kabuli_chr05	33457689	CC	TT	1940343816
SNP_P1_102600_33457884	NC_021164.1	Ca_kabuli_chr05	33457884	GG	TT	1940343818
SNP_P1_102602_33457965	NC_021164.1	Ca_kabuli_chr05	33457965	GG	AA	1940343820
SNP_P1_102603_33457987	NC_021164.1	Ca_kabuli_chr05	33457987	TT	CC	1940343822
SNP_P1_102605_33465441	NC_021164.1	Ca_kabuli_chr05	33465441	AA	CC	1940343823
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SNP_P1_102609_33520814	NC_021164.1	Ca_kabuli_chr05	33520814	AA	TT	1940343827
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SNP_P1_102611_33521780	NC_021164.1	Ca_kabuli_chr05	33521780	TT	CC	1940343830
SNP_P1_102612_33523686	NC_021164.1	Ca_kabuli_chr05	33523686	AA	GG	1940343832
SNP_P1_102613_33524082	NC_021164.1	Ca_kabuli_chr05	33524082	CC	AA	1940343834
SNP_P1_102617_33566645	NC_021164.1	Ca_kabuli_chr05	33566645	GG	AA	1940343835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102620_33600032	NC_021164.1	Ca_kabuli_chr05	33600032	AA	CC	1940343839
SNP_P1_102622_33600974	NC_021164.1	Ca_kabuli_chr05	33600974	GG	CC	1940343841
SNP_P1_102623_33609474	NC_021164.1	Ca_kabuli_chr05	33609474	TT	AA	1940343842
SNP_P1_102625_33650031	NC_021164.1	Ca_kabuli_chr05	33650031	GG	TT	1940343844
SNP_P1_102626_33652833	NC_021164.1	Ca_kabuli_chr05	33652833	AA	GG	1940343846
SNP_P1_102630_33693547	NC_021164.1	Ca_kabuli_chr05	33693547	GG	AA	1940343848
SNP_P1_102631_33772909	NC_021164.1	Ca_kabuli_chr05	33772909	GG	AA	1940343849
SNP_P1_102634_33807870	NC_021164.1	Ca_kabuli_chr05	33807870	CC	TT	1940343851
SNP_P1_102635_33831109	NC_021164.1	Ca_kabuli_chr05	33831109	AA	GG	1940343853
SNP_P1_102636_33840042	NC_021164.1	Ca_kabuli_chr05	33840042	TT	AA	1940343854
SNP_P1_102637_33840051	NC_021164.1	Ca_kabuli_chr05	33840051	AA	GG	1940343856
SNP_P1_102638_33840053	NC_021164.1	Ca_kabuli_chr05	33840053	TT	AA	1940343858
SNP_P1_102639_33889493	NC_021164.1	Ca_kabuli_chr05	33889493	CC	TT	1940343860
SNP_P1_102641_33925646	NC_021164.1	Ca_kabuli_chr05	33925646	TT	CC	1940343861
SNP_P1_102642_33925969	NC_021164.1	Ca_kabuli_chr05	33925969	AA	TT	1940343863
SNP_P1_102643_33931092	NC_021164.1	Ca_kabuli_chr05	33931092	TT	CC	1940343865
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SNP_P1_102648_33939508	NC_021164.1	Ca_kabuli_chr05	33939508	AA	GG	1940343873
SNP_P1_102649_33959293	NC_021164.1	Ca_kabuli_chr05	33959293	TT	AA	1940343875
SNP_P1_102651_34000897	NC_021164.1	Ca_kabuli_chr05	34000897	CC	GG	1940343877
SNP_P1_102652_34001987	NC_021164.1	Ca_kabuli_chr05	34001987	GG	TT	1940343879
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SNP_P1_102658_34080582	NC_021164.1	Ca_kabuli_chr05	34080582	CC	TT	1940343887
SNP_P1_102659_34085893	NC_021164.1	Ca_kabuli_chr05	34085893	CC	TT	1940343889
SNP_P1_102660_34090958	NC_021164.1	Ca_kabuli_chr05	34090958	CC	TT	1940343891
SNP_P1_102661_34096067	NC_021164.1	Ca_kabuli_chr05	34096067	TT	AA	1940343892
SNP_P1_102662_34096072	NC_021164.1	Ca_kabuli_chr05	34096072	AA	TT	1940343894
SNP_P1_102663_34122687	NC_021164.1	Ca_kabuli_chr05	34122687	GG	AA	1940343896
SNP_P1_102664_34159260	NC_021164.1	Ca_kabuli_chr05	34159260	TT	AA	1940343898
SNP_P1_102666_34165133	NC_021164.1	Ca_kabuli_chr05	34165133	GG	AA	1940343899
SNP_P1_102667_34168861	NC_021164.1	Ca_kabuli_chr05	34168861	GG	AA	1940343901
SNP_P1_102668_34171605	NC_021164.1	Ca_kabuli_chr05	34171605	TT	CC	1940343903
SNP_P1_102669_34172508	NC_021164.1	Ca_kabuli_chr05	34172508	CC	GG	1940343904
SNP_P1_102670_34174056	NC_021164.1	Ca_kabuli_chr05	34174056	AA	TT	1940343906
SNP_P1_102671_34174462	NC_021164.1	Ca_kabuli_chr05	34174462	CC	AA	1940343908

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102673_34192105	NC_021164.1	Ca_kabuli_chr05	34192105	TT	AA	1940343911
SNP_P1_102675_34211634	NC_021164.1	Ca_kabuli_chr05	34211634	GG	AA	1940343913
SNP_P1_102676_34226108	NC_021164.1	Ca_kabuli_chr05	34226108	GG	CC	1940343915
SNP_P1_102677_34229625	NC_021164.1	Ca_kabuli_chr05	34229625	AA	CC	1940343917
SNP_P1_102678_34230416	NC_021164.1	Ca_kabuli_chr05	34230416	AA	GG	1940343918
SNP_P1_102679_34248910	NC_021164.1	Ca_kabuli_chr05	34248910	CC	AA	1940343920
SNP_P1_102680_34248915	NC_021164.1	Ca_kabuli_chr05	34248915	CC	TT	1940343922
SNP_P1_102681_34254736	NC_021164.1	Ca_kabuli_chr05	34254736	CC	TT	1940343923
SNP_P1_102682_34254739	NC_021164.1	Ca_kabuli_chr05	34254739	GG	AA	1940343925
SNP_P1_102683_34254767	NC_021164.1	Ca_kabuli_chr05	34254767	TT	CC	1940343927
SNP_P1_102684_34258348	NC_021164.1	Ca_kabuli_chr05	34258348	AA	GG	1940343929
SNP_P1_102686_34336411	NC_021164.1	Ca_kabuli_chr05	34336411	GG	AA	1940343930
SNP_P1_102687_34364651	NC_021164.1	Ca_kabuli_chr05	34364651	CC	TT	1940343932
SNP_P1_102688_34365486	NC_021164.1	Ca_kabuli_chr05	34365486	AA	CC	1940343934
SNP_P1_102689_34379643	NC_021164.1	Ca_kabuli_chr05	34379643	AA	CC	1940343936
SNP_P1_102690_34380859	NC_021164.1	Ca_kabuli_chr05	34380859	TT	CC	1940343937
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SNP_P1_102692_34381022	NC_021164.1	Ca_kabuli_chr05	34381022	GG	AA	1940343941
SNP_P1_102693_34381037	NC_021164.1	Ca_kabuli_chr05	34381037	AA	GG	1940343942
SNP_P1_102694_34381049	NC_021164.1	Ca_kabuli_chr05	34381049	CC	AA	1940343944
SNP_P1_102695_34381347	NC_021164.1	Ca_kabuli_chr05	34381347	CC	GG	1940343946
SNP_P1_102696_34381394	NC_021164.1	Ca_kabuli_chr05	34381394	TT	CC	1940343948
SNP_P1_102697_34381463	NC_021164.1	Ca_kabuli_chr05	34381463	TT	CC	1940343949
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SNP_P1_102699_34413348	NC_021164.1	Ca_kabuli_chr05	34413348	TT	GG	1940343953
SNP_P1_102700_34434464	NC_021164.1	Ca_kabuli_chr05	34434464	TT	GG	1940343955
SNP_P1_102701_34445195	NC_021164.1	Ca_kabuli_chr05	34445195	AA	GG	1940343956
SNP_P1_102702_34465938	NC_021164.1	Ca_kabuli_chr05	34465938	CC	AA	1940343958
SNP_P1_102703_34466303	NC_021164.1	Ca_kabuli_chr05	34466303	AA	GG	1940343960
SNP_P1_102705_34467633	NC_021164.1	Ca_kabuli_chr05	34467633	AA	GG	1940343961
SNP_P1_102706_34478909	NC_021164.1	Ca_kabuli_chr05	34478909	TT	AA	1940343963
SNP_P1_102707_34500239	NC_021164.1	Ca_kabuli_chr05	34500239	AA	CC	1940343965
SNP_P1_102708_34500242	NC_021164.1	Ca_kabuli_chr05	34500242	AA	TT	1940343967
SNP_P1_102711_34524127	NC_021164.1	Ca_kabuli_chr05	34524127	TT	CC	1940343968
SNP_P1_102712_34534038	NC_021164.1	Ca_kabuli_chr05	34534038	TT	GG	1940343970
SNP_P1_102713_34540152	NC_021164.1	Ca_kabuli_chr05	34540152	CC	TT	1940343972
SNP_P1_102714_34550986	NC_021164.1	Ca_kabuli_chr05	34550986	CC	GG	1940343974
SNP_P1_102715_34569372	NC_021164.1	Ca_kabuli_chr05	34569372	GG	AA	1940343975
SNP_P1_102716_34617276	NC_021164.1	Ca_kabuli_chr05	34617276	TT	AA	1940343977
SNP_P1_102717_34623790	NC_021164.1	Ca_kabuli_chr05	34623790	CC	TT	1940343979
SNP_P1_102718_34626698	NC_021164.1	Ca_kabuli_chr05	34626698	AA	TT	1940343980

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102722_34705221	NC_021164.1	Ca_kabuli_chr05	34705221	GG	AA	1940343984
SNP_P1_102723_34705292	NC_021164.1	Ca_kabuli_chr05	34705292	TT	AA	1940343986
SNP_P1_102724_34725934	NC_021164.1	Ca_kabuli_chr05	34725934	GG	AA	1940343987
SNP_P1_102725_34728608	NC_021164.1	Ca_kabuli_chr05	34728608	AA	GG	1940343989
SNP_P1_102727_34759634	NC_021164.1	Ca_kabuli_chr05	34759634	AA	GG	1940343991
SNP_P1_102728_34776387	NC_021164.1	Ca_kabuli_chr05	34776387	TT	CC	1940343993
SNP_P1_102729_34777131	NC_021164.1	Ca_kabuli_chr05	34777131	AA	GG	1940343994
SNP_P1_102730_34802899	NC_021164.1	Ca_kabuli_chr05	34802899	AA	GG	1940343996
SNP_P1_102731_34825347	NC_021164.1	Ca_kabuli_chr05	34825347	AA	GG	1940343998
SNP_P1_102732_34830002	NC_021164.1	Ca_kabuli_chr05	34830002	AA	GG	1940343999
SNP_P1_102733_34830003	NC_021164.1	Ca_kabuli_chr05	34830003	TT	GG	1940344001
SNP_P1_102734_34830326	NC_021164.1	Ca_kabuli_chr05	34830326	AA	TT	1940344003
SNP_P1_102736_34843148	NC_021164.1	Ca_kabuli_chr05	34843148	TT	CC	1940344005
SNP_P1_102738_34852947	NC_021164.1	Ca_kabuli_chr05	34852947	TT	CC	1940344006
SNP_P1_102739_34852948	NC_021164.1	Ca_kabuli_chr05	34852948	TT	CC	1940344008
SNP_P1_102741_34863005	NC_021164.1	Ca_kabuli_chr05	34863005	TT	AA	1940344010
SNP_P1_102742_34863006	NC_021164.1	Ca_kabuli_chr05	34863006	TT	CC	1940344012
SNP_P1_102743_34868354	NC_021164.1	Ca_kabuli_chr05	34868354	AA	CC	1940344013
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SNP_P1_102746_34870287	NC_021164.1	Ca_kabuli_chr05	34870287	TT	CC	1940344018
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SNP_P1_102750_34875212	NC_021164.1	Ca_kabuli_chr05	34875212	AA	GG	1940344022
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SNP_P1_102754_34902422	NC_021164.1	Ca_kabuli_chr05	34902422	TT	AA	1940344027
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SNP_P1_102757_34998343	NC_021164.1	Ca_kabuli_chr05	34998343	TT	CC	1940344032
SNP_P1_102758_35022891	NC_021164.1	Ca_kabuli_chr05	35022891	CC	GG	1940344034
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SNP_P1_102760_35031518	NC_021164.1	Ca_kabuli_chr05	35031518	AA	GG	1940344037
SNP_P1_102761_35049700	NC_021164.1	Ca_kabuli_chr05	35049700	AA	GG	1940344039
SNP_P1_102763_35075260	NC_021164.1	Ca_kabuli_chr05	35075260	AA	TT	1940344041
SNP_P1_102764_35075694	NC_021164.1	Ca_kabuli_chr05	35075694	AA	GG	1940344043
SNP_P1_102766_35108721	NC_021164.1	Ca_kabuli_chr05	35108721	CC	TT	1940344044
SNP_P1_102767_35113793	NC_021164.1	Ca_kabuli_chr05	35113793	AA	TT	1940344046
SNP_P1_102770_35139423	NC_021164.1	Ca_kabuli_chr05	35139423	AA	CC	1940344048
SNP_P1_102773_35158272	NC_021164.1	Ca_kabuli_chr05	35158272	GG	AA	1940344050
SNP_P1_102774_35161362	NC_021164.1	Ca_kabuli_chr05	35161362	CC	TT	1940344051
SNP_P1_102775_35162960	NC_021164.1	Ca_kabuli_chr05	35162960	TT	GG	1940344053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102777_35183851	NC_021164.1	Ca_kabuli_chr05	35183851	TT	AA	1940344056
SNP_P1_102778_35183852	NC_021164.1	Ca_kabuli_chr05	35183852	TT	AA	1940344058
SNP_P1_102780_35196203	NC_021164.1	Ca_kabuli_chr05	35196203	CC	TT	1940344060
SNP_P1_102781_35197432	NC_021164.1	Ca_kabuli_chr05	35197432	GG	AA	1940344062
SNP_P1_102782_35198529	NC_021164.1	Ca_kabuli_chr05	35198529	GG	AA	1940344063
SNP_P1_102784_35223870	NC_021164.1	Ca_kabuli_chr05	35223870	AA	GG	1940344065
SNP_P1_102785_35224843	NC_021164.1	Ca_kabuli_chr05	35224843	TT	CC	1940344067
SNP_P1_102787_35260056	NC_021164.1	Ca_kabuli_chr05	35260056	CC	TT	1940344069
SNP_P1_102788_35275589	NC_021164.1	Ca_kabuli_chr05	35275589	CC	TT	1940344070
SNP_P1_102791_35363464	NC_021164.1	Ca_kabuli_chr05	35363464	AA	GG	1940344072
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SNP_P1_102794_35378636	NC_021164.1	Ca_kabuli_chr05	35378636	AA	CC	1940344075
SNP_P1_102795_35387905	NC_021164.1	Ca_kabuli_chr05	35387905	CC	TT	1940344077
SNP_P1_102796_35388215	NC_021164.1	Ca_kabuli_chr05	35388215	TT	CC	1940344079
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SNP_P1_102798_35392268	NC_021164.1	Ca_kabuli_chr05	35392268	TT	GG	1940344082
SNP_P1_102799_35392280	NC_021164.1	Ca_kabuli_chr05	35392280	TT	AA	1940344084
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SNP_P1_102803_35421848	NC_021164.1	Ca_kabuli_chr05	35421848	CC	TT	1940344089
SNP_P1_102804_35425203	NC_021164.1	Ca_kabuli_chr05	35425203	GG	AA	1940344091
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SNP_P1_102810_35463002	NC_021164.1	Ca_kabuli_chr05	35463002	CC	TT	1940344098
SNP_P1_102811_35463005	NC_021164.1	Ca_kabuli_chr05	35463005	TT	CC	1940344100
SNP_P1_102813_35507381	NC_021164.1	Ca_kabuli_chr05	35507381	TT	AA	1940344101
SNP_P1_102815_35526926	NC_021164.1	Ca_kabuli_chr05	35526926	AA	GG	1940344103
SNP_P1_102816_35547552	NC_021164.1	Ca_kabuli_chr05	35547552	TT	GG	1940344105
SNP_P1_102817_35547572	NC_021164.1	Ca_kabuli_chr05	35547572	TT	AA	1940344107
SNP_P1_102818_35582472	NC_021164.1	Ca_kabuli_chr05	35582472	GG	AA	1940344108
SNP_P1_102821_35602909	NC_021164.1	Ca_kabuli_chr05	35602909	TT	CC	1940344110
SNP_P1_102823_35606571	NC_021164.1	Ca_kabuli_chr05	35606571	GG	AA	1940344112
SNP_P1_102825_35624043	NC_021164.1	Ca_kabuli_chr05	35624043	AA	CC	1940344113
SNP_P1_102826_35638940	NC_021164.1	Ca_kabuli_chr05	35638940	TT	GG	1940344115
SNP_P1_102827_35651148	NC_021164.1	Ca_kabuli_chr05	35651148	TT	GG	1940344117
SNP_P1_102828_35651152	NC_021164.1	Ca_kabuli_chr05	35651152	AA	CC	1940344119
SNP_P1_102831_35724819	NC_021164.1	Ca_kabuli_chr05	35724819	TT	AA	1940344120
SNP_P1_102833_35734993	NC_021164.1	Ca_kabuli_chr05	35734993	AA	TT	1940344122
SNP_P1_102834_35751242	NC_021164.1	Ca_kabuli_chr05	35751242	AA	TT	1940344124
SNP_P1_102835_35751243	NC_021164.1	Ca_kabuli_chr05	35751243	TT	AA	1940344126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102839_35872232	NC_021164.1	Ca_kabuli_chr05	35872232	GG	AA	1940344129
SNP_P1_102841_35875023	NC_021164.1	Ca_kabuli_chr05	35875023	AA	GG	1940344131
SNP_P1_102842_35876468	NC_021164.1	Ca_kabuli_chr05	35876468	CC	TT	1940344132
SNP_P1_102843_35898132	NC_021164.1	Ca_kabuli_chr05	35898132	AA	TT	1940344134
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SNP_P1_102847_35914563	NC_021164.1	Ca_kabuli_chr05	35914563	TT	GG	1940344139
SNP_P1_102849_35915976	NC_021164.1	Ca_kabuli_chr05	35915976	CC	TT	1940344141
SNP_P1_102850_35948830	NC_021164.1	Ca_kabuli_chr05	35948830	AA	GG	1940344143
SNP_P1_102852_36000317	NC_021164.1	Ca_kabuli_chr05	36000317	GG	CC	1940344144
SNP_P1_102854_36052579	NC_021164.1	Ca_kabuli_chr05	36052579	AA	CC	1940344146
SNP_P1_102855_36055451	NC_021164.1	Ca_kabuli_chr05	36055451	CC	TT	1940344148
SNP_P1_102859_36084329	NC_021164.1	Ca_kabuli_chr05	36084329	TT	GG	1940344150
SNP_P1_102860_36086209	NC_021164.1	Ca_kabuli_chr05	36086209	GG	AA	1940344151
SNP_P1_102863_36133831	NC_021164.1	Ca_kabuli_chr05	36133831	GG	AA	1940344153
SNP_P1_102864_36134708	NC_021164.1	Ca_kabuli_chr05	36134708	TT	AA	1940344155
SNP_P1_102865_36161742	NC_021164.1	Ca_kabuli_chr05	36161742	CC	TT	1940344157
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SNP_P1_102874_36254724	NC_021164.1	Ca_kabuli_chr05	36254724	CC	GG	1940344167
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SNP_P1_102879_36318717	NC_021164.1	Ca_kabuli_chr05	36318717	TT	GG	1940344174
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SNP_P1_102881_36345403	NC_021164.1	Ca_kabuli_chr05	36345403	CC	GG	1940344177
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SNP_P1_102883_36364328	NC_021164.1	Ca_kabuli_chr05	36364328	TT	CC	1940344181
SNP_P1_102885_36379162	NC_021164.1	Ca_kabuli_chr05	36379162	TT	AA	1940344182
SNP_P1_102886_36414153	NC_021164.1	Ca_kabuli_chr05	36414153	TT	AA	1940344184
SNP_P1_102887_36429373	NC_021164.1	Ca_kabuli_chr05	36429373	CC	TT	1940344186
SNP_P1_102889_36444572	NC_021164.1	Ca_kabuli_chr05	36444572	AA	TT	1940344188
SNP_P1_102890_36445217	NC_021164.1	Ca_kabuli_chr05	36445217	AA	GG	1940344189
SNP_P1_102891_36445229	NC_021164.1	Ca_kabuli_chr05	36445229	TT	AA	1940344191
SNP_P1_102892_36445324	NC_021164.1	Ca_kabuli_chr05	36445324	CC	TT	1940344193
SNP_P1_102893_36445326	NC_021164.1	Ca_kabuli_chr05	36445326	CC	TT	1940344195
SNP_P1_102894_36445797	NC_021164.1	Ca_kabuli_chr05	36445797	TT	CC	1940344196
SNP_P1_102895_36453515	NC_021164.1	Ca_kabuli_chr05	36453515	TT	GG	1940344198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102899_36492363	NC_021164.1	Ca_kabuli_chr05	36492363	GG	AA	1940344203
SNP_P1_102900_36492371	NC_021164.1	Ca_kabuli_chr05	36492371	CC	TT	1940344205
SNP_P1_102901_36492376	NC_021164.1	Ca_kabuli_chr05	36492376	CC	TT	1940344207
SNP_P1_102902_36492381	NC_021164.1	Ca_kabuli_chr05	36492381	TT	AA	1940344208
SNP_P1_102903_36492389	NC_021164.1	Ca_kabuli_chr05	36492389	TT	AA	1940344210
SNP_P1_102904_36492416	NC_021164.1	Ca_kabuli_chr05	36492416	TT	CC	1940344212
SNP_P1_102905_36492417	NC_021164.1	Ca_kabuli_chr05	36492417	AA	GG	1940344214
SNP_P1_102906_36492445	NC_021164.1	Ca_kabuli_chr05	36492445	AA	GG	1940344215
SNP_P1_102907_36492446	NC_021164.1	Ca_kabuli_chr05	36492446	AA	GG	1940344217
SNP_P1_102908_36492453	NC_021164.1	Ca_kabuli_chr05	36492453	GG	TT	1940344219
SNP_P1_102909_36492747	NC_021164.1	Ca_kabuli_chr05	36492747	GG	AA	1940344220
SNP_P1_102910_36492753	NC_021164.1	Ca_kabuli_chr05	36492753	AA	GG	1940344222
SNP_P1_102911_36492851	NC_021164.1	Ca_kabuli_chr05	36492851	AA	GG	1940344224
SNP_P1_102912_36512033	NC_021164.1	Ca_kabuli_chr05	36512033	CC	TT	1940344226
SNP_P1_102914_36521069	NC_021164.1	Ca_kabuli_chr05	36521069	TT	CC	1940344227
SNP_P1_102915_36521459	NC_021164.1	Ca_kabuli_chr05	36521459	AA	GG	1940344229
SNP_P1_102916_36538079	NC_021164.1	Ca_kabuli_chr05	36538079	AA	GG	1940344231
SNP_P1_102917_36550885	NC_021164.1	Ca_kabuli_chr05	36550885	GG	AA	1940344232
SNP_P1_102919_36559431	NC_021164.1	Ca_kabuli_chr05	36559431	CC	AA	1940344234
SNP_P1_102920_36564888	NC_021164.1	Ca_kabuli_chr05	36564888	TT	GG	1940344236
SNP_P1_102921_36575597	NC_021164.1	Ca_kabuli_chr05	36575597	TT	AA	1940344238
SNP_P1_102922_36582005	NC_021164.1	Ca_kabuli_chr05	36582005	AA	GG	1940344239
SNP_P1_102923_36583849	NC_021164.1	Ca_kabuli_chr05	36583849	TT	AA	1940344241
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SNP_P1_102928_36641779	NC_021164.1	Ca_kabuli_chr05	36641779	CC	TT	1940344246
SNP_P1_102929_36657423	NC_021164.1	Ca_kabuli_chr05	36657423	TT	CC	1940344248
SNP_P1_102930_36657966	NC_021164.1	Ca_kabuli_chr05	36657966	GG	AA	1940344250
SNP_P1_102931_36670844	NC_021164.1	Ca_kabuli_chr05	36670844	GG	AA	1940344251
SNP_P1_102932_36692246	NC_021164.1	Ca_kabuli_chr05	36692246	GG	AA	1940344253
SNP_P1_102933_36692250	NC_021164.1	Ca_kabuli_chr05	36692250	TT	AA	1940344255
SNP_P1_102934_36726943	NC_021164.1	Ca_kabuli_chr05	36726943	TT	CC	1940344257
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SNP_P1_102938_36755033	NC_021164.1	Ca_kabuli_chr05	36755033	CC	TT	1940344260
SNP_P1_102939_36760267	NC_021164.1	Ca_kabuli_chr05	36760267	GG	AA	1940344262
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SNP_P1_102941_36793740	NC_021164.1	Ca_kabuli_chr05	36793740	GG	TT	1940344265
SNP_P1_102942_36868289	NC_021164.1	Ca_kabuli_chr05	36868289	CC	TT	1940344267
SNP_P1_102943_36869654	NC_021164.1	Ca_kabuli_chr05	36869654	GG	TT	1940344269
SNP_P1_102945_36879837	NC_021164.1	Ca_kabuli_chr05	36879837	CC	AA	1940344270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_102949_36956419	NC_021164.1	Ca_kabuli_chr05	36956419	AA	TT	1940344274
SNP_P1_102950_36957774	NC_021164.1	Ca_kabuli_chr05	36957774	GG	AA	1940344276
SNP_P1_102953_36966320	NC_021164.1	Ca_kabuli_chr05	36966320	AA	GG	1940344277
SNP_P1_102954_36971146	NC_021164.1	Ca_kabuli_chr05	36971146	AA	GG	1940344279
SNP_P1_102956_36977467	NC_021164.1	Ca_kabuli_chr05	36977467	GG	AA	1940344281
SNP_P1_102958_37048668	NC_021164.1	Ca_kabuli_chr05	37048668	AA	GG	1940344283
SNP_P1_102959_37055203	NC_021164.1	Ca_kabuli_chr05	37055203	CC	TT	1940344284
SNP_P1_102960_37055748	NC_021164.1	Ca_kabuli_chr05	37055748	TT	AA	1940344286
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SNP_P1_102972_37131732	NC_021164.1	Ca_kabuli_chr05	37131732	AA	GG	1940344295
SNP_P1_102973_37131735	NC_021164.1	Ca_kabuli_chr05	37131735	AA	TT	1940344296
SNP_P1_102974_37145036	NC_021164.1	Ca_kabuli_chr05	37145036	GG	AA	1940344298
SNP_P1_102975_37183684	NC_021164.1	Ca_kabuli_chr05	37183684	AA	CC	1940344300
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SNP_P1_102995_37345806	NC_021164.1	Ca_kabuli_chr05	37345806	AA	GG	1940344326
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SNP_P1_103007_37415869	NC_021164.1	Ca_kabuli_chr05	37415869	GG	AA	1940344341
SNP_P1_103009_37474184	NC_021164.1	Ca_kabuli_chr05	37474184	CC	TT	1940344343

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103012_37515112	NC_021164.1	Ca_kabuli_chr05	37515112	GG	AA	1940344348
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SNP_P1_103015_37525313	NC_021164.1	Ca_kabuli_chr05	37525313	AA	GG	1940344352
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SNP_P1_103017_37541286	NC_021164.1	Ca_kabuli_chr05	37541286	CC	TT	1940344355
SNP_P1_103018_37567325	NC_021164.1	Ca_kabuli_chr05	37567325	AA	GG	1940344357
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SNP_P1_103020_37567436	NC_021164.1	Ca_kabuli_chr05	37567436	AA	CC	1940344360
SNP_P1_103021_37567495	NC_021164.1	Ca_kabuli_chr05	37567495	AA	GG	1940344362
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SNP_P1_103024_37567561	NC_021164.1	Ca_kabuli_chr05	37567561	CC	TT	1940344367
SNP_P1_103025_37567650	NC_021164.1	Ca_kabuli_chr05	37567650	AA	GG	1940344369
SNP_P1_103026_37567689	NC_021164.1	Ca_kabuli_chr05	37567689	AA	GG	1940344371
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SNP_P1_103029_37567915	NC_021164.1	Ca_kabuli_chr05	37567915	TT	CC	1940344376
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SNP_P1_103041_37686472	NC_021164.1	Ca_kabuli_chr05	37686472	GG	AA	1940344395
SNP_P1_103042_37692524	NC_021164.1	Ca_kabuli_chr05	37692524	AA	GG	1940344397
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SNP_P1_103048_37727759	NC_021164.1	Ca_kabuli_chr05	37727759	AA	TT	1940344407
SNP_P1_103049_37728048	NC_021164.1	Ca_kabuli_chr05	37728048	CC	TT	1940344409
SNP_P1_103050_37735141	NC_021164.1	Ca_kabuli_chr05	37735141	GG	CC	1940344410
SNP_P1_103051_37737562	NC_021164.1	Ca_kabuli_chr05	37737562	AA	TT	1940344412
SNP_P1_103052_37774822	NC_021164.1	Ca_kabuli_chr05	37774822	TT	AA	1940344414
SNP_P1_103054_37826277	NC_021164.1	Ca_kabuli_chr05	37826277	TT	AA	1940344416

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_103055_37836556	NC_021164.1	Ca_kabuli_chr05	37836556	CC	GG	1940344417
SNP_P1_103056_37839251	NC_021164.1	Ca_kabuli_chr05	37839251	GG	AA	1940344419
SNP_P1_103058_37856517	NC_021164.1	Ca_kabuli_chr05	37856517	TT	AA	1940344421
SNP_P1_103059_37888337	NC_021164.1	Ca_kabuli_chr05	37888337	AA	GG	1940344422
SNP_P1_103060_37888343	NC_021164.1	Ca_kabuli_chr05	37888343	AA	CC	1940344424
SNP_P1_103061_37888347	NC_021164.1	Ca_kabuli_chr05	37888347	AA	GG	1940344426
SNP_P1_103062_37920655	NC_021164.1	Ca_kabuli_chr05	37920655	TT	CC	1940344428
SNP_P1_103063_37934144	NC_021164.1	Ca_kabuli_chr05	37934144	CC	GG	1940344429
SNP_P1_103064_37956071	NC_021164.1	Ca_kabuli_chr05	37956071	TT	AA	1940344431
SNP_P1_103065_37973641	NC_021164.1	Ca_kabuli_chr05	37973641	TT	CC	1940344433
SNP_P1_103067_37981661	NC_021164.1	Ca_kabuli_chr05	37981661	AA	TT	1940344435
SNP_P1_103068_37981679	NC_021164.1	Ca_kabuli_chr05	37981679	AA	TT	1940344436
SNP_P1_103069_37981827	NC_021164.1	Ca_kabuli_chr05	37981827	AA	CC	1940344438
SNP_P1_103070_37982074	NC_021164.1	Ca_kabuli_chr05	37982074	TT	AA	1940344440
SNP_P1_103071_37982498	NC_021164.1	Ca_kabuli_chr05	37982498	CC	GG	1940344441
SNP_P1_103072_37982691	NC_021164.1	Ca_kabuli_chr05	37982691	GG	AA	1940344443
SNP_P1_103073_37983697	NC_021164.1	Ca_kabuli_chr05	37983697	TT	CC	1940344445
SNP_P1_103075_37984861	NC_021164.1	Ca_kabuli_chr05	37984861	TT	GG	1940344447
SNP_P1_103076_37984917	NC_021164.1	Ca_kabuli_chr05	37984917	AA	TT	1940344448
SNP_P1_103077_37984931	NC_021164.1	Ca_kabuli_chr05	37984931	CC	TT	1940344450
SNP_P1_103078_37985035	NC_021164.1	Ca_kabuli_chr05	37985035	CC	AA	1940344452
SNP_P1_103080_37986001	NC_021164.1	Ca_kabuli_chr05	37986001	TT	CC	1940344454
SNP_P1_103081_37986084	NC_021164.1	Ca_kabuli_chr05	37986084	TT	CC	1940344455
SNP_P1_103082_37986336	NC_021164.1	Ca_kabuli_chr05	37986336	CC	GG	1940344457
SNP_P1_103083_37986409	NC_021164.1	Ca_kabuli_chr05	37986409	TT	AA	1940344459
SNP_P1_103084_37986410	NC_021164.1	Ca_kabuli_chr05	37986410	TT	AA	1940344460
SNP_P1_103085_37986415	NC_021164.1	Ca_kabuli_chr05	37986415	TT	CC	1940344462
SNP_P1_103086_37986479	NC_021164.1	Ca_kabuli_chr05	37986479	AA	GG	1940344464
SNP_P1_103087_37986656	NC_021164.1	Ca_kabuli_chr05	37986656	TT	CC	1940344466
SNP_P1_103088_37986745	NC_021164.1	Ca_kabuli_chr05	37986745	TT	CC	1940344467
SNP_P1_103089_37987785	NC_021164.1	Ca_kabuli_chr05	37987785	TT	AA	1940344469
SNP_P1_103090_37987791	NC_021164.1	Ca_kabuli_chr05	37987791	CC	GG	1940344471
SNP_P1_103091_37987793	NC_021164.1	Ca_kabuli_chr05	37987793	TT	CC	1940344473
SNP_P1_103092_37987797	NC_021164.1	Ca_kabuli_chr05	37987797	AA	TT	1940344474
SNP_P1_103093_37987807	NC_021164.1	Ca_kabuli_chr05	37987807	TT	CC	1940344476
SNP_P1_103094_37987845	NC_021164.1	Ca_kabuli_chr05	37987845	GG	AA	1940344478
SNP_P1_103095_37987913	NC_021164.1	Ca_kabuli_chr05	37987913	GG	AA	1940344479
SNP_P1_103096_37988027	NC_021164.1	Ca_kabuli_chr05	37988027	AA	GG	1940344481
SNP_P1_103097_37988054	NC_021164.1	Ca_kabuli_chr05	37988054	CC	GG	1940344483
SNP_P1_103098_37988067	NC_021164.1	Ca_kabuli_chr05	37988067	CC	GG	1940344485
SNP_P1_103099_37988279	NC_021164.1	Ca_kabuli_chr05	37988279	CC	TT	1940344486
SNP_P1_103100_37988306	NC_021164.1	Ca_kabuli_chr05	37988306	CC	TT	1940344488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_103101_37988318	NC_021164.1	Ca_kabuli_chr05	37988318	TT	GG	1940344490
SNP_P1_103102_37988323	NC_021164.1	Ca_kabuli_chr05	37988323	AA	GG	1940344492
SNP_P1_103103_37988596	NC_021164.1	Ca_kabuli_chr05	37988596	AA	GG	1940344493
SNP_P1_103104_37988632	NC_021164.1	Ca_kabuli_chr05	37988632	GG	TT	1940344495
SNP_P1_103105_37988821	NC_021164.1	Ca_kabuli_chr05	37988821	CC	GG	1940344497
SNP_P1_103106_37989052	NC_021164.1	Ca_kabuli_chr05	37989052	AA	GG	1940344498
SNP_P1_103107_37989169	NC_021164.1	Ca_kabuli_chr05	37989169	TT	CC	1940344500
SNP_P1_103108_37989188	NC_021164.1	Ca_kabuli_chr05	37989188	CC	TT	1940344502
SNP_P1_103109_37989303	NC_021164.1	Ca_kabuli_chr05	37989303	CC	TT	1940344504
SNP_P1_103110_37989306	NC_021164.1	Ca_kabuli_chr05	37989306	TT	CC	1940344505
SNP_P1_103111_37989414	NC_021164.1	Ca_kabuli_chr05	37989414	GG	TT	1940344507
SNP_P1_103113_37989732	NC_021164.1	Ca_kabuli_chr05	37989732	TT	CC	1940344509
SNP_P1_103114_37989738	NC_021164.1	Ca_kabuli_chr05	37989738	GG	TT	1940344511
SNP_P1_103115_37989854	NC_021164.1	Ca_kabuli_chr05	37989854	TT	CC	1940344512
SNP_P1_103116_37989924	NC_021164.1	Ca_kabuli_chr05	37989924	CC	TT	1940344514
SNP_P1_103117_37989930	NC_021164.1	Ca_kabuli_chr05	37989930	AA	TT	1940344516
SNP_P1_103119_37993680	NC_021164.1	Ca_kabuli_chr05	37993680	CC	GG	1940344517
SNP_P1_103120_37994088	NC_021164.1	Ca_kabuli_chr05	37994088	TT	GG	1940344519
SNP_P1_103121_37994129	NC_021164.1	Ca_kabuli_chr05	37994129	TT	CC	1940344521
SNP_P1_103122_37995674	NC_021164.1	Ca_kabuli_chr05	37995674	TT	AA	1940344523
SNP_P1_103123_37997092	NC_021164.1	Ca_kabuli_chr05	37997092	AA	GG	1940344524
SNP_P1_103124_37998342	NC_021164.1	Ca_kabuli_chr05	37998342	CC	TT	1940344526
SNP_P1_103125_37999172	NC_021164.1	Ca_kabuli_chr05	37999172	TT	AA	1940344528
SNP_P1_103127_37999369	NC_021164.1	Ca_kabuli_chr05	37999369	AA	GG	1940344529
SNP_P1_103128_38000257	NC_021164.1	Ca_kabuli_chr05	38000257	CC	GG	1940344531
SNP_P1_103129_38001112	NC_021164.1	Ca_kabuli_chr05	38001112	CC	TT	1940344533
SNP_P1_103130_38001475	NC_021164.1	Ca_kabuli_chr05	38001475	CC	TT	1940344535
SNP_P1_103132_38001833	NC_021164.1	Ca_kabuli_chr05	38001833	AA	GG	1940344536
SNP_P1_103134_38002630	NC_021164.1	Ca_kabuli_chr05	38002630	GG	TT	1940344538
SNP_P1_103136_38002945	NC_021164.1	Ca_kabuli_chr05	38002945	AA	CC	1940344540
SNP_P1_103137_38003094	NC_021164.1	Ca_kabuli_chr05	38003094	GG	AA	1940344542
SNP_P1_103138_38003095	NC_021164.1	Ca_kabuli_chr05	38003095	TT	GG	1940344543
SNP_P1_103139_38003126	NC_021164.1	Ca_kabuli_chr05	38003126	CC	AA	1940344545
SNP_P1_103140_38004397	NC_021164.1	Ca_kabuli_chr05	38004397	GG	CC	1940344547
SNP_P1_103141_38005109	NC_021164.1	Ca_kabuli_chr05	38005109	CC	AA	1940344548
SNP_P1_103143_38005518	NC_021164.1	Ca_kabuli_chr05	38005518	AA	TT	1940344550
SNP_P1_103144_38006777	NC_021164.1	Ca_kabuli_chr05	38006777	GG	AA	1940344552
SNP_P1_103147_38010646	NC_021164.1	Ca_kabuli_chr05	38010646	GG	CC	1940344554
SNP_P1_103148_38010773	NC_021164.1	Ca_kabuli_chr05	38010773	GG	CC	1940344555
SNP_P1_103150_38011831	NC_021164.1	Ca_kabuli_chr05	38011831	TT	AA	1940344557
SNP_P1_103151_38011855	NC_021164.1	Ca_kabuli_chr05	38011855	GG	AA	1940344559
SNP_P1_103152_38012490	NC_021164.1	Ca_kabuli_chr05	38012490	GG	AA	1940344561

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103154_38012568	NC_021164.1	Ca_kabuli_chr05	38012568	GG	TT	1940344564
SNP_P1_103155_38012574	NC_021164.1	Ca_kabuli_chr05	38012574	CC	TT	1940344566
SNP_P1_103156_38013131	NC_021164.1	Ca_kabuli_chr05	38013131	AA	GG	1940344567
SNP_P1_103157_38013158	NC_021164.1	Ca_kabuli_chr05	38013158	TT	CC	1940344569
SNP_P1_103158_38013619	NC_021164.1	Ca_kabuli_chr05	38013619	GG	AA	1940344571
SNP_P1_103159_38013627	NC_021164.1	Ca_kabuli_chr05	38013627	GG	TT	1940344573
SNP_P1_103160_38015026	NC_021164.1	Ca_kabuli_chr05	38015026	TT	GG	1940344574
SNP_P1_103161_38016422	NC_021164.1	Ca_kabuli_chr05	38016422	GG	TT	1940344576
SNP_P1_103163_38016739	NC_021164.1	Ca_kabuli_chr05	38016739	CC	TT	1940344578
SNP_P1_103164_38016893	NC_021164.1	Ca_kabuli_chr05	38016893	AA	GG	1940344580
SNP_P1_103165_38017456	NC_021164.1	Ca_kabuli_chr05	38017456	CC	TT	1940344581
SNP_P1_103167_38017666	NC_021164.1	Ca_kabuli_chr05	38017666	TT	GG	1940344583
SNP_P1_103168_38017896	NC_021164.1	Ca_kabuli_chr05	38017896	AA	GG	1940344585
SNP_P1_103169_38017952	NC_021164.1	Ca_kabuli_chr05	38017952	TT	AA	1940344587
SNP_P1_103170_38018634	NC_021164.1	Ca_kabuli_chr05	38018634	AA	CC	1940344588
SNP_P1_103171_38019014	NC_021164.1	Ca_kabuli_chr05	38019014	TT	GG	1940344590
SNP_P1_103172_38019036	NC_021164.1	Ca_kabuli_chr05	38019036	GG	CC	1940344592
SNP_P1_103173_38019045	NC_021164.1	Ca_kabuli_chr05	38019045	GG	CC	1940344593
SNP_P1_103174_38019193	NC_021164.1	Ca_kabuli_chr05	38019193	TT	AA	1940344595
SNP_P1_103177_38019501	NC_021164.1	Ca_kabuli_chr05	38019501	GG	CC	1940344597
SNP_P1_103179_38020606	NC_021164.1	Ca_kabuli_chr05	38020606	CC	AA	1940344599
SNP_P1_103180_38020607	NC_021164.1	Ca_kabuli_chr05	38020607	AA	TT	1940344600
SNP_P1_103181_38020635	NC_021164.1	Ca_kabuli_chr05	38020635	AA	GG	1940344602
SNP_P1_103182_38020764	NC_021164.1	Ca_kabuli_chr05	38020764	GG	AA	1940344604
SNP_P1_103183_38020785	NC_021164.1	Ca_kabuli_chr05	38020785	CC	AA	1940344606
SNP_P1_103184_38020801	NC_021164.1	Ca_kabuli_chr05	38020801	TT	AA	1940344607
SNP_P1_103185_38020921	NC_021164.1	Ca_kabuli_chr05	38020921	AA	CC	1940344609
SNP_P1_103186_38020924	NC_021164.1	Ca_kabuli_chr05	38020924	TT	AA	1940344611
SNP_P1_103187_38020984	NC_021164.1	Ca_kabuli_chr05	38020984	GG	AA	1940344612
SNP_P1_103188_38021056	NC_021164.1	Ca_kabuli_chr05	38021056	AA	GG	1940344614
SNP_P1_103189_38021179	NC_021164.1	Ca_kabuli_chr05	38021179	GG	TT	1940344616
SNP_P1_103190_38021238	NC_021164.1	Ca_kabuli_chr05	38021238	GG	TT	1940344618
SNP_P1_103192_38021339	NC_021164.1	Ca_kabuli_chr05	38021339	GG	CC	1940344619
SNP_P1_103194_38021380	NC_021164.1	Ca_kabuli_chr05	38021380	AA	TT	1940344621
SNP_P1_103196_38021514	NC_021164.1	Ca_kabuli_chr05	38021514	AA	TT	1940344623
SNP_P1_103197_38021548	NC_021164.1	Ca_kabuli_chr05	38021548	TT	AA	1940344624
SNP_P1_103198_38021585	NC_021164.1	Ca_kabuli_chr05	38021585	AA	GG	1940344626
SNP_P1_103199_38023075	NC_021164.1	Ca_kabuli_chr05	38023075	CC	TT	1940344628
SNP_P1_103200_38023332	NC_021164.1	Ca_kabuli_chr05	38023332	GG	AA	1940344630
SNP_P1_103201_38023344	NC_021164.1	Ca_kabuli_chr05	38023344	AA	GG	1940344631
SNP_P1_103202_38023365	NC_021164.1	Ca_kabuli_chr05	38023365	GG	AA	1940344633

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_103204_38023934	NC_021164.1	Ca_kabuli_chr05	38023934	AA	TT	1940344635
SNP_P1_103206_38024030	NC_021164.1	Ca_kabuli_chr05	38024030	CC	AA	1940344637
SNP_P1_103207_38024072	NC_021164.1	Ca_kabuli_chr05	38024072	CC	TT	1940344638
SNP_P1_103208_38024145	NC_021164.1	Ca_kabuli_chr05	38024145	TT	CC	1940344640
SNP_P1_103209_38024385	NC_021164.1	Ca_kabuli_chr05	38024385	TT	GG	1940344642
SNP_P1_103210_38024471	NC_021164.1	Ca_kabuli_chr05	38024471	GG	CC	1940344643
SNP_P1_103211_38025580	NC_021164.1	Ca_kabuli_chr05	38025580	GG	CC	1940344645
SNP_P1_103212_38025739	NC_021164.1	Ca_kabuli_chr05	38025739	CC	TT	1940344647
SNP_P1_103213_38025753	NC_021164.1	Ca_kabuli_chr05	38025753	TT	GG	1940344649
SNP_P1_103216_38027093	NC_021164.1	Ca_kabuli_chr05	38027093	CC	TT	1940344650
SNP_P1_103217_38027131	NC_021164.1	Ca_kabuli_chr05	38027131	TT	AA	1940344652
SNP_P1_103218_38027133	NC_021164.1	Ca_kabuli_chr05	38027133	GG	AA	1940344654
SNP_P1_103220_38027379	NC_021164.1	Ca_kabuli_chr05	38027379	TT	AA	1940344656
SNP_P1_103221_38027705	NC_021164.1	Ca_kabuli_chr05	38027705	AA	CC	1940344657
SNP_P1_103222_38027741	NC_021164.1	Ca_kabuli_chr05	38027741	TT	CC	1940344659
SNP_P1_103223_38027755	NC_021164.1	Ca_kabuli_chr05	38027755	TT	AA	1940344661
SNP_P1_103224_38027770	NC_021164.1	Ca_kabuli_chr05	38027770	CC	GG	1940344662
SNP_P1_103225_38027910	NC_021164.1	Ca_kabuli_chr05	38027910	TT	AA	1940344664
SNP_P1_103226_38027994	NC_021164.1	Ca_kabuli_chr05	38027994	CC	TT	1940344666
SNP_P1_103227_38028011	NC_021164.1	Ca_kabuli_chr05	38028011	CC	AA	1940344668
SNP_P1_103229_38028443	NC_021164.1	Ca_kabuli_chr05	38028443	TT	GG	1940344669
SNP_P1_103230_38028462	NC_021164.1	Ca_kabuli_chr05	38028462	AA	GG	1940344671
SNP_P1_103231_38028475	NC_021164.1	Ca_kabuli_chr05	38028475	TT	CC	1940344673
SNP_P1_103232_38028486	NC_021164.1	Ca_kabuli_chr05	38028486	TT	CC	1940344675
SNP_P1_103233_38028669	NC_021164.1	Ca_kabuli_chr05	38028669	GG	AA	1940344676
SNP_P1_103234_38028702	NC_021164.1	Ca_kabuli_chr05	38028702	AA	GG	1940344678
SNP_P1_103235_38028714	NC_021164.1	Ca_kabuli_chr05	38028714	GG	AA	1940344680
SNP_P1_103236_38028747	NC_021164.1	Ca_kabuli_chr05	38028747	CC	TT	1940344681
SNP_P1_103238_38028771	NC_021164.1	Ca_kabuli_chr05	38028771	TT	CC	1940344683
SNP_P1_103239_38028986	NC_021164.1	Ca_kabuli_chr05	38028986	CC	TT	1940344685
SNP_P1_103240_38029099	NC_021164.1	Ca_kabuli_chr05	38029099	CC	TT	1940344687
SNP_P1_103242_38029392	NC_021164.1	Ca_kabuli_chr05	38029392	CC	TT	1940344688
SNP_P1_103243_38029465	NC_021164.1	Ca_kabuli_chr05	38029465	AA	CC	1940344690
SNP_P1_103244_38029823	NC_021164.1	Ca_kabuli_chr05	38029823	TT	CC	1940344692
SNP_P1_103245_38029971	NC_021164.1	Ca_kabuli_chr05	38029971	TT	AA	1940344694
SNP_P1_103246_38029975	NC_021164.1	Ca_kabuli_chr05	38029975	AA	TT	1940344695
SNP_P1_103247_38029986	NC_021164.1	Ca_kabuli_chr05	38029986	TT	AA	1940344697
SNP_P1_103248_38030042	NC_021164.1	Ca_kabuli_chr05	38030042	AA	TT	1940344699
SNP_P1_103251_38030280	NC_021164.1	Ca_kabuli_chr05	38030280	GG	AA	1940344700
SNP_P1_103252_38030349	NC_021164.1	Ca_kabuli_chr05	38030349	GG	AA	1940344702
SNP_P1_103253_38030874	NC_021164.1	Ca_kabuli_chr05	38030874	GG	AA	1940344704
SNP_P1_103254_38031055	NC_021164.1	Ca_kabuli_chr05	38031055	TT	AA	1940344706

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103257_38032987	NC_021164.1	Ca_kabuli_chr05	38032987	TT	CC	1940344709
SNP_P1_103260_38033712	NC_021164.1	Ca_kabuli_chr05	38033712	TT	CC	1940344711
SNP_P1_103261_38033719	NC_021164.1	Ca_kabuli_chr05	38033719	CC	TT	1940344713
SNP_P1_103262_38034572	NC_021164.1	Ca_kabuli_chr05	38034572	AA	GG	1940344714
SNP_P1_103266_38034974	NC_021164.1	Ca_kabuli_chr05	38034974	GG	AA	1940344716
SNP_P1_103267_38035660	NC_021164.1	Ca_kabuli_chr05	38035660	TT	CC	1940344718
SNP_P1_103268_38035692	NC_021164.1	Ca_kabuli_chr05	38035692	CC	GG	1940344720
SNP_P1_103269_38036526	NC_021164.1	Ca_kabuli_chr05	38036526	TT	CC	1940344721
SNP_P1_103270_38036532	NC_021164.1	Ca_kabuli_chr05	38036532	CC	TT	1940344723
SNP_P1_103272_38036812	NC_021164.1	Ca_kabuli_chr05	38036812	TT	CC	1940344725
SNP_P1_103273_38036831	NC_021164.1	Ca_kabuli_chr05	38036831	TT	CC	1940344726
SNP_P1_103274_38037088	NC_021164.1	Ca_kabuli_chr05	38037088	AA	GG	1940344728
SNP_P1_103275_38038813	NC_021164.1	Ca_kabuli_chr05	38038813	AA	TT	1940344730
SNP_P1_103276_38038869	NC_021164.1	Ca_kabuli_chr05	38038869	AA	CC	1940344732
SNP_P1_103277_38039671	NC_021164.1	Ca_kabuli_chr05	38039671	GG	AA	1940344733
SNP_P1_103278_38040642	NC_021164.1	Ca_kabuli_chr05	38040642	AA	TT	1940344735
SNP_P1_103281_38041725	NC_021164.1	Ca_kabuli_chr05	38041725	GG	TT	1940344737
SNP_P1_103282_38041841	NC_021164.1	Ca_kabuli_chr05	38041841	TT	AA	1940344738
SNP_P1_103283_38041842	NC_021164.1	Ca_kabuli_chr05	38041842	AA	TT	1940344740
SNP_P1_103284_38041852	NC_021164.1	Ca_kabuli_chr05	38041852	AA	TT	1940344742
SNP_P1_103285_38042110	NC_021164.1	Ca_kabuli_chr05	38042110	AA	GG	1940344744
SNP_P1_103287_38042169	NC_021164.1	Ca_kabuli_chr05	38042169	GG	AA	1940344745
SNP_P1_103289_38042399	NC_021164.1	Ca_kabuli_chr05	38042399	AA	GG	1940344747
SNP_P1_103290_38042428	NC_021164.1	Ca_kabuli_chr05	38042428	TT	CC	1940344749
SNP_P1_103291_38042479	NC_021164.1	Ca_kabuli_chr05	38042479	AA	GG	1940344751
SNP_P1_103293_38043708	NC_021164.1	Ca_kabuli_chr05	38043708	CC	TT	1940344752
SNP_P1_103294_38043882	NC_021164.1	Ca_kabuli_chr05	38043882	GG	AA	1940344754
SNP_P1_103295_38043959	NC_021164.1	Ca_kabuli_chr05	38043959	TT	AA	1940344756
SNP_P1_103296_38044386	NC_021164.1	Ca_kabuli_chr05	38044386	TT	AA	1940344757
SNP_P1_103297_38044388	NC_021164.1	Ca_kabuli_chr05	38044388	AA	GG	1940344759
SNP_P1_103298_38044397	NC_021164.1	Ca_kabuli_chr05	38044397	GG	CC	1940344761
SNP_P1_103299_38045698	NC_021164.1	Ca_kabuli_chr05	38045698	GG	AA	1940344763
SNP_P1_103300_38045771	NC_021164.1	Ca_kabuli_chr05	38045771	GG	AA	1940344764
SNP_P1_103301_38045838	NC_021164.1	Ca_kabuli_chr05	38045838	AA	TT	1940344766
SNP_P1_103302_38045955	NC_021164.1	Ca_kabuli_chr05	38045955	AA	GG	1940344768
SNP_P1_103304_38046020	NC_021164.1	Ca_kabuli_chr05	38046020	TT	AA	1940344770
SNP_P1_103305_38046034	NC_021164.1	Ca_kabuli_chr05	38046034	AA	GG	1940344771
SNP_P1_103306_38046049	NC_021164.1	Ca_kabuli_chr05	38046049	CC	TT	1940344773
SNP_P1_103307_38046067	NC_021164.1	Ca_kabuli_chr05	38046067	TT	AA	1940344775
SNP_P1_103308_38046944	NC_021164.1	Ca_kabuli_chr05	38046944	GG	TT	1940344776
SNP_P1_103309_38046957	NC_021164.1	Ca_kabuli_chr05	38046957	AA	TT	1940344778

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103311_38047027	NC_021164.1	Ca_kabuli_chr05	38047027	GG	CC	1940344782
SNP_P1_103312_38047032	NC_021164.1	Ca_kabuli_chr05	38047032	GG	AA	1940344783
SNP_P1_103313_38047247	NC_021164.1	Ca_kabuli_chr05	38047247	TT	CC	1940344785
SNP_P1_103314_38047263	NC_021164.1	Ca_kabuli_chr05	38047263	TT	CC	1940344787
SNP_P1_103315_38047304	NC_021164.1	Ca_kabuli_chr05	38047304	GG	AA	1940344789
SNP_P1_103316_38048872	NC_021164.1	Ca_kabuli_chr05	38048872	AA	TT	1940344790
SNP_P1_103318_38050022	NC_021164.1	Ca_kabuli_chr05	38050022	CC	TT	1940344792
SNP_P1_103319_38050024	NC_021164.1	Ca_kabuli_chr05	38050024	TT	CC	1940344794
SNP_P1_103320_38050077	NC_021164.1	Ca_kabuli_chr05	38050077	AA	CC	1940344795
SNP_P1_103321_38050298	NC_021164.1	Ca_kabuli_chr05	38050298	TT	CC	1940344797
SNP_P1_103322_38050413	NC_021164.1	Ca_kabuli_chr05	38050413	GG	TT	1940344799
SNP_P1_103323_38050442	NC_021164.1	Ca_kabuli_chr05	38050442	GG	AA	1940344801
SNP_P1_103324_38050563	NC_021164.1	Ca_kabuli_chr05	38050563	AA	TT	1940344802
SNP_P1_103325_38050594	NC_021164.1	Ca_kabuli_chr05	38050594	AA	GG	1940344804
SNP_P1_103326_38050737	NC_021164.1	Ca_kabuli_chr05	38050737	TT	CC	1940344806
SNP_P1_103328_38052125	NC_021164.1	Ca_kabuli_chr05	38052125	TT	AA	1940344808
SNP_P1_103329_38053824	NC_021164.1	Ca_kabuli_chr05	38053824	TT	CC	1940344809
SNP_P1_103330_38053858	NC_021164.1	Ca_kabuli_chr05	38053858	AA	GG	1940344811
SNP_P1_103332_38054718	NC_021164.1	Ca_kabuli_chr05	38054718	TT	CC	1940344813
SNP_P1_103334_38054777	NC_021164.1	Ca_kabuli_chr05	38054777	TT	GG	1940344814
SNP_P1_103335_38054826	NC_021164.1	Ca_kabuli_chr05	38054826	AA	GG	1940344816
SNP_P1_103336_38054853	NC_021164.1	Ca_kabuli_chr05	38054853	GG	AA	1940344818
SNP_P1_103337_38055391	NC_021164.1	Ca_kabuli_chr05	38055391	TT	CC	1940344820
SNP_P1_103338_38055713	NC_021164.1	Ca_kabuli_chr05	38055713	AA	GG	1940344821
SNP_P1_103339_38057621	NC_021164.1	Ca_kabuli_chr05	38057621	AA	TT	1940344823
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SNP_P1_103341_38058741	NC_021164.1	Ca_kabuli_chr05	38058741	AA	GG	1940344826
SNP_P1_103342_38059046	NC_021164.1	Ca_kabuli_chr05	38059046	TT	CC	1940344828
SNP_P1_103344_38059097	NC_021164.1	Ca_kabuli_chr05	38059097	TT	AA	1940344830
SNP_P1_103345_38059506	NC_021164.1	Ca_kabuli_chr05	38059506	AA	TT	1940344832
SNP_P1_103346_38059548	NC_021164.1	Ca_kabuli_chr05	38059548	TT	CC	1940344833
SNP_P1_103348_38061247	NC_021164.1	Ca_kabuli_chr05	38061247	TT	GG	1940344835
SNP_P1_103349_38061273	NC_021164.1	Ca_kabuli_chr05	38061273	AA	CC	1940344837
SNP_P1_103351_38062121	NC_021164.1	Ca_kabuli_chr05	38062121	TT	AA	1940344839
SNP_P1_103352_38062404	NC_021164.1	Ca_kabuli_chr05	38062404	GG	CC	1940344840
SNP_P1_103353_38062406	NC_021164.1	Ca_kabuli_chr05	38062406	CC	TT	1940344842
SNP_P1_103354_38063448	NC_021164.1	Ca_kabuli_chr05	38063448	GG	AA	1940344844
SNP_P1_103355_38063522	NC_021164.1	Ca_kabuli_chr05	38063522	CC	TT	1940344845
SNP_P1_103356_38063531	NC_021164.1	Ca_kabuli_chr05	38063531	CC	TT	1940344847
SNP_P1_103357_38065252	NC_021164.1	Ca_kabuli_chr05	38065252	TT	CC	1940344849
SNP_P1_103358_38065796	NC_021164.1	Ca_kabuli_chr05	38065796	AA	CC	1940344851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103360_38067074	NC_021164.1	Ca_kabuli_chr05	38067074	AA	GG	1940344854
SNP_P1_103361_38067221	NC_021164.1	Ca_kabuli_chr05	38067221	GG	TT	1940344856
SNP_P1_103362_38067249	NC_021164.1	Ca_kabuli_chr05	38067249	CC	GG	1940344858
SNP_P1_103363_38067355	NC_021164.1	Ca_kabuli_chr05	38067355	TT	CC	1940344859
SNP_P1_103364_38067399	NC_021164.1	Ca_kabuli_chr05	38067399	CC	TT	1940344861
SNP_P1_103365_38067458	NC_021164.1	Ca_kabuli_chr05	38067458	TT	AA	1940344863
SNP_P1_103369_38068444	NC_021164.1	Ca_kabuli_chr05	38068444	TT	CC	1940344865
SNP_P1_103370_38068676	NC_021164.1	Ca_kabuli_chr05	38068676	TT	CC	1940344866
SNP_P1_103371_38068684	NC_021164.1	Ca_kabuli_chr05	38068684	CC	GG	1940344868
SNP_P1_103372_38068736	NC_021164.1	Ca_kabuli_chr05	38068736	GG	AA	1940344870
SNP_P1_103373_38068750	NC_021164.1	Ca_kabuli_chr05	38068750	GG	CC	1940344871
SNP_P1_103374_38068773	NC_021164.1	Ca_kabuli_chr05	38068773	AA	CC	1940344873
SNP_P1_103375_38068918	NC_021164.1	Ca_kabuli_chr05	38068918	GG	CC	1940344875
SNP_P1_103376_38068932	NC_021164.1	Ca_kabuli_chr05	38068932	TT	CC	1940344877
SNP_P1_103377_38068933	NC_021164.1	Ca_kabuli_chr05	38068933	AA	GG	1940344878
SNP_P1_103378_38068956	NC_021164.1	Ca_kabuli_chr05	38068956	TT	CC	1940344880
SNP_P1_103379_38068999	NC_021164.1	Ca_kabuli_chr05	38068999	CC	TT	1940344882
SNP_P1_103380_38069045	NC_021164.1	Ca_kabuli_chr05	38069045	GG	AA	1940344884
SNP_P1_103381_38069118	NC_021164.1	Ca_kabuli_chr05	38069118	GG	AA	1940344885
SNP_P1_103382_38069137	NC_021164.1	Ca_kabuli_chr05	38069137	GG	AA	1940344887
SNP_P1_103383_38069143	NC_021164.1	Ca_kabuli_chr05	38069143	GG	AA	1940344889
SNP_P1_103384_38069326	NC_021164.1	Ca_kabuli_chr05	38069326	AA	GG	1940344890
SNP_P1_103385_38069360	NC_021164.1	Ca_kabuli_chr05	38069360	TT	AA	1940344892
SNP_P1_103386_38069372	NC_021164.1	Ca_kabuli_chr05	38069372	AA	GG	1940344894
SNP_P1_103387_38069503	NC_021164.1	Ca_kabuli_chr05	38069503	TT	AA	1940344896
SNP_P1_103388_38069504	NC_021164.1	Ca_kabuli_chr05	38069504	TT	AA	1940344897
SNP_P1_103389_38069544	NC_021164.1	Ca_kabuli_chr05	38069544	CC	TT	1940344899
SNP_P1_103390_38069549	NC_021164.1	Ca_kabuli_chr05	38069549	TT	CC	1940344901
SNP_P1_103391_38069670	NC_021164.1	Ca_kabuli_chr05	38069670	AA	GG	1940344903
SNP_P1_103392_38069714	NC_021164.1	Ca_kabuli_chr05	38069714	GG	TT	1940344904
SNP_P1_103393_38069847	NC_021164.1	Ca_kabuli_chr05	38069847	AA	GG	1940344906
SNP_P1_103394_38069866	NC_021164.1	Ca_kabuli_chr05	38069866	CC	TT	1940344908
SNP_P1_103395_38069926	NC_021164.1	Ca_kabuli_chr05	38069926	CC	TT	1940344909
SNP_P1_103396_38069968	NC_021164.1	Ca_kabuli_chr05	38069968	CC	TT	1940344911
SNP_P1_103397_38070063	NC_021164.1	Ca_kabuli_chr05	38070063	AA	GG	1940344913
SNP_P1_103398_38070077	NC_021164.1	Ca_kabuli_chr05	38070077	GG	CC	1940344915
SNP_P1_103399_38070084	NC_021164.1	Ca_kabuli_chr05	38070084	GG	AA	1940344916
SNP_P1_103400_38070100	NC_021164.1	Ca_kabuli_chr05	38070100	GG	AA	1940344918
SNP_P1_103401_38070126	NC_021164.1	Ca_kabuli_chr05	38070126	GG	AA	1940344920
SNP_P1_103402_38070138	NC_021164.1	Ca_kabuli_chr05	38070138	TT	CC	1940344922
SNP_P1_103403_38070177	NC_021164.1	Ca_kabuli_chr05	38070177	GG	AA	1940344923

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103405_38070314	NC_021164.1	Ca_kabuli_chr05	38070314	GG	AA	1940344927
SNP_P1_103406_38070321	NC_021164.1	Ca_kabuli_chr05	38070321	TT	CC	1940344928
SNP_P1_103407_38070477	NC_021164.1	Ca_kabuli_chr05	38070477	AA	GG	1940344930
SNP_P1_103408_38070501	NC_021164.1	Ca_kabuli_chr05	38070501	AA	GG	1940344932
SNP_P1_103410_38070601	NC_021164.1	Ca_kabuli_chr05	38070601	GG	AA	1940344934
SNP_P1_103411_38070604	NC_021164.1	Ca_kabuli_chr05	38070604	AA	TT	1940344935
SNP_P1_103412_38070615	NC_021164.1	Ca_kabuli_chr05	38070615	AA	TT	1940344937
SNP_P1_103413_38070650	NC_021164.1	Ca_kabuli_chr05	38070650	CC	TT	1940344939
SNP_P1_103414_38070730	NC_021164.1	Ca_kabuli_chr05	38070730	GG	AA	1940344941
SNP_P1_103415_38071650	NC_021164.1	Ca_kabuli_chr05	38071650	CC	GG	1940344942
SNP_P1_103416_38071910	NC_021164.1	Ca_kabuli_chr05	38071910	TT	CC	1940344944
SNP_P1_103418_38075378	NC_021164.1	Ca_kabuli_chr05	38075378	TT	GG	1940344946
SNP_P1_103419_38075393	NC_021164.1	Ca_kabuli_chr05	38075393	AA	TT	1940344947
SNP_P1_103422_38076464	NC_021164.1	Ca_kabuli_chr05	38076464	AA	TT	1940344949
SNP_P1_103423_38076469	NC_021164.1	Ca_kabuli_chr05	38076469	CC	TT	1940344951
SNP_P1_103424_38076950	NC_021164.1	Ca_kabuli_chr05	38076950	GG	TT	1940344953
SNP_P1_103425_38078572	NC_021164.1	Ca_kabuli_chr05	38078572	TT	AA	1940344954
SNP_P1_103426_38078766	NC_021164.1	Ca_kabuli_chr05	38078766	AA	GG	1940344956
SNP_P1_103427_38078815	NC_021164.1	Ca_kabuli_chr05	38078815	TT	CC	1940344958
SNP_P1_103428_38079256	NC_021164.1	Ca_kabuli_chr05	38079256	TT	AA	1940344960
SNP_P1_103430_38081917	NC_021164.1	Ca_kabuli_chr05	38081917	GG	AA	1940344961
SNP_P1_103431_38085218	NC_021164.1	Ca_kabuli_chr05	38085218	CC	TT	1940344963
SNP_P1_103432_38085743	NC_021164.1	Ca_kabuli_chr05	38085743	CC	GG	1940344965
SNP_P1_103433_38085784	NC_021164.1	Ca_kabuli_chr05	38085784	AA	CC	1940344966
SNP_P1_103434_38085793	NC_021164.1	Ca_kabuli_chr05	38085793	GG	TT	1940344968
SNP_P1_103435_38085816	NC_021164.1	Ca_kabuli_chr05	38085816	TT	CC	1940344970
SNP_P1_103436_38085841	NC_021164.1	Ca_kabuli_chr05	38085841	AA	GG	1940344972
SNP_P1_103437_38085857	NC_021164.1	Ca_kabuli_chr05	38085857	TT	CC	1940344973
SNP_P1_103438_38086055	NC_021164.1	Ca_kabuli_chr05	38086055	TT	AA	1940344975
SNP_P1_103439_38086139	NC_021164.1	Ca_kabuli_chr05	38086139	GG	CC	1940344977
SNP_P1_103440_38086398	NC_021164.1	Ca_kabuli_chr05	38086398	AA	GG	1940344979
SNP_P1_103441_38087357	NC_021164.1	Ca_kabuli_chr05	38087357	CC	TT	1940344980
SNP_P1_103442_38087417	NC_021164.1	Ca_kabuli_chr05	38087417	TT	CC	1940344982
SNP_P1_103443_38087419	NC_021164.1	Ca_kabuli_chr05	38087419	CC	TT	1940344984
SNP_P1_103444_38087678	NC_021164.1	Ca_kabuli_chr05	38087678	AA	TT	1940344985
SNP_P1_103445_38087679	NC_021164.1	Ca_kabuli_chr05	38087679	CC	GG	1940344987
SNP_P1_103446_38087694	NC_021164.1	Ca_kabuli_chr05	38087694	TT	CC	1940344989
SNP_P1_103447_38087709	NC_021164.1	Ca_kabuli_chr05	38087709	TT	CC	1940344991
SNP_P1_103448_38087980	NC_021164.1	Ca_kabuli_chr05	38087980	CC	TT	1940344992
SNP_P1_103449_38088230	NC_021164.1	Ca_kabuli_chr05	38088230	CC	GG	1940344994
SNP_P1_103450_38088242	NC_021164.1	Ca_kabuli_chr05	38088242	CC	AA	1940344996

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103453_38089127	NC_021164.1	Ca_kabuli_chr05	38089127	CC	GG	1940345001
SNP_P1_103454_38090367	NC_021164.1	Ca_kabuli_chr05	38090367	AA	TT	1940345003
SNP_P1_103455_38090429	NC_021164.1	Ca_kabuli_chr05	38090429	GG	AA	1940345004
SNP_P1_103456_38090981	NC_021164.1	Ca_kabuli_chr05	38090981	TT	CC	1940345006
SNP_P1_103457_38091767	NC_021164.1	Ca_kabuli_chr05	38091767	TT	AA	1940345008
SNP_P1_103458_38091802	NC_021164.1	Ca_kabuli_chr05	38091802	AA	GG	1940345010
SNP_P1_103459_38091817	NC_021164.1	Ca_kabuli_chr05	38091817	CC	TT	1940345011
SNP_P1_103460_38091875	NC_021164.1	Ca_kabuli_chr05	38091875	GG	AA	1940345013
SNP_P1_103461_38091876	NC_021164.1	Ca_kabuli_chr05	38091876	CC	TT	1940345015
SNP_P1_103462_38091878	NC_021164.1	Ca_kabuli_chr05	38091878	GG	AA	1940345017
SNP_P1_103463_38092129	NC_021164.1	Ca_kabuli_chr05	38092129	TT	AA	1940345018
SNP_P1_103464_38092606	NC_021164.1	Ca_kabuli_chr05	38092606	GG	AA	1940345020
SNP_P1_103465_38092889	NC_021164.1	Ca_kabuli_chr05	38092889	GG	AA	1940345022
SNP_P1_103466_38093082	NC_021164.1	Ca_kabuli_chr05	38093082	AA	CC	1940345023
SNP_P1_103467_38093111	NC_021164.1	Ca_kabuli_chr05	38093111	AA	GG	1940345025
SNP_P1_103469_38093980	NC_021164.1	Ca_kabuli_chr05	38093980	AA	CC	1940345027
SNP_P1_103470_38093984	NC_021164.1	Ca_kabuli_chr05	38093984	CC	TT	1940345029
SNP_P1_103471_38094026	NC_021164.1	Ca_kabuli_chr05	38094026	CC	TT	1940345030
SNP_P1_103472_38094034	NC_021164.1	Ca_kabuli_chr05	38094034	CC	TT	1940345032
SNP_P1_103473_38094545	NC_021164.1	Ca_kabuli_chr05	38094545	GG	AA	1940345034
SNP_P1_103474_38094685	NC_021164.1	Ca_kabuli_chr05	38094685	CC	TT	1940345036
SNP_P1_103475_38094784	NC_021164.1	Ca_kabuli_chr05	38094784	GG	AA	1940345037
SNP_P1_103476_38094944	NC_021164.1	Ca_kabuli_chr05	38094944	GG	AA	1940345039
SNP_P1_103477_38095630	NC_021164.1	Ca_kabuli_chr05	38095630	GG	AA	1940345041
SNP_P1_103478_38095649	NC_021164.1	Ca_kabuli_chr05	38095649	TT	CC	1940345042
SNP_P1_103479_38095851	NC_021164.1	Ca_kabuli_chr05	38095851	TT	AA	1940345044
SNP_P1_103480_38095889	NC_021164.1	Ca_kabuli_chr05	38095889	TT	AA	1940345046
SNP_P1_103481_38096195	NC_021164.1	Ca_kabuli_chr05	38096195	TT	CC	1940345048
SNP_P1_103483_38096365	NC_021164.1	Ca_kabuli_chr05	38096365	TT	CC	1940345049
SNP_P1_103484_38097204	NC_021164.1	Ca_kabuli_chr05	38097204	TT	CC	1940345051
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SNP_P1_103486_38097882	NC_021164.1	Ca_kabuli_chr05	38097882	TT	AA	1940345055
SNP_P1_103487_38098102	NC_021164.1	Ca_kabuli_chr05	38098102	TT	AA	1940345056
SNP_P1_103488_38098524	NC_021164.1	Ca_kabuli_chr05	38098524	AA	CC	1940345058
SNP_P1_103489_38098660	NC_021164.1	Ca_kabuli_chr05	38098660	AA	TT	1940345060
SNP_P1_103490_38098926	NC_021164.1	Ca_kabuli_chr05	38098926	AA	CC	1940345061
SNP_P1_103493_38099391	NC_021164.1	Ca_kabuli_chr05	38099391	TT	AA	1940345063
SNP_P1_103494_38099778	NC_021164.1	Ca_kabuli_chr05	38099778	AA	GG	1940345065
SNP_P1_103496_38100366	NC_021164.1	Ca_kabuli_chr05	38100366	AA	GG	1940345067
SNP_P1_103497_38100599	NC_021164.1	Ca_kabuli_chr05	38100599	CC	TT	1940345068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103502_38104229	NC_021164.1	Ca_kabuli_chr05	38104229	TT	CC	1940345072
SNP_P1_103504_38109582	NC_021164.1	Ca_kabuli_chr05	38109582	AA	GG	1940345074
SNP_P1_103505_38109808	NC_021164.1	Ca_kabuli_chr05	38109808	CC	TT	1940345075
SNP_P1_103506_38109944	NC_021164.1	Ca_kabuli_chr05	38109944	CC	AA	1940345077
SNP_P1_103507_38109954	NC_021164.1	Ca_kabuli_chr05	38109954	GG	AA	1940345079
SNP_P1_103508_38110384	NC_021164.1	Ca_kabuli_chr05	38110384	TT	AA	1940345081
SNP_P1_103509_38110439	NC_021164.1	Ca_kabuli_chr05	38110439	GG	AA	1940345082
SNP_P1_103511_38111711	NC_021164.1	Ca_kabuli_chr05	38111711	AA	CC	1940345084
SNP_P1_103512_38111832	NC_021164.1	Ca_kabuli_chr05	38111832	GG	AA	1940345086
SNP_P1_103514_38115287	NC_021164.1	Ca_kabuli_chr05	38115287	GG	AA	1940345087
SNP_P1_103515_38115526	NC_021164.1	Ca_kabuli_chr05	38115526	GG	CC	1940345089
SNP_P1_103516_38115639	NC_021164.1	Ca_kabuli_chr05	38115639	TT	AA	1940345091
SNP_P1_103517_38115899	NC_021164.1	Ca_kabuli_chr05	38115899	AA	TT	1940345093
SNP_P1_103518_38115931	NC_021164.1	Ca_kabuli_chr05	38115931	GG	TT	1940345094
SNP_P1_103519_38115952	NC_021164.1	Ca_kabuli_chr05	38115952	CC	TT	1940345096
SNP_P1_103520_38116160	NC_021164.1	Ca_kabuli_chr05	38116160	TT	GG	1940345098
SNP_P1_103521_38116270	NC_021164.1	Ca_kabuli_chr05	38116270	GG	CC	1940345100
SNP_P1_103522_38116495	NC_021164.1	Ca_kabuli_chr05	38116495	AA	GG	1940345101
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SNP_P1_103524_38116928	NC_021164.1	Ca_kabuli_chr05	38116928	CC	TT	1940345105
SNP_P1_103529_38119183	NC_021164.1	Ca_kabuli_chr05	38119183	CC	TT	1940345106
SNP_P1_103530_38119445	NC_021164.1	Ca_kabuli_chr05	38119445	GG	TT	1940345108
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SNP_P1_103532_38119554	NC_021164.1	Ca_kabuli_chr05	38119554	AA	GG	1940345112
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SNP_P1_103537_38121968	NC_021164.1	Ca_kabuli_chr05	38121968	AA	GG	1940345119
SNP_P1_103538_38121975	NC_021164.1	Ca_kabuli_chr05	38121975	AA	GG	1940345120
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SNP_P1_103541_38122004	NC_021164.1	Ca_kabuli_chr05	38122004	TT	CC	1940345126
SNP_P1_103542_38122392	NC_021164.1	Ca_kabuli_chr05	38122392	AA	TT	1940345127
SNP_P1_103544_38125096	NC_021164.1	Ca_kabuli_chr05	38125096	TT	CC	1940345129
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SNP_P1_103546_38125341	NC_021164.1	Ca_kabuli_chr05	38125341	AA	TT	1940345132
SNP_P1_103548_38125395	NC_021164.1	Ca_kabuli_chr05	38125395	GG	AA	1940345134
SNP_P1_103550_38126988	NC_021164.1	Ca_kabuli_chr05	38126988	AA	TT	1940345136
SNP_P1_103551_38127555	NC_021164.1	Ca_kabuli_chr05	38127555	TT	AA	1940345138
SNP_P1_103552_38127702	NC_021164.1	Ca_kabuli_chr05	38127702	AA	GG	1940345139
SNP_P1_103553_38128440	NC_021164.1	Ca_kabuli_chr05	38128440	AA	GG	1940345141

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103557_38128911	NC_021164.1	Ca_kabuli_chr05	38128911	AA	GG	1940345146
SNP_P1_103558_38128995	NC_021164.1	Ca_kabuli_chr05	38128995	GG	AA	1940345148
SNP_P1_103559_38129101	NC_021164.1	Ca_kabuli_chr05	38129101	AA	TT	1940345150
SNP_P1_103560_38129106	NC_021164.1	Ca_kabuli_chr05	38129106	TT	GG	1940345151
SNP_P1_103561_38129240	NC_021164.1	Ca_kabuli_chr05	38129240	TT	CC	1940345153
SNP_P1_103562_38129288	NC_021164.1	Ca_kabuli_chr05	38129288	AA	GG	1940345155
SNP_P1_103563_38129321	NC_021164.1	Ca_kabuli_chr05	38129321	CC	AA	1940345157
SNP_P1_103565_38130194	NC_021164.1	Ca_kabuli_chr05	38130194	AA	GG	1940345158
SNP_P1_103566_38130665	NC_021164.1	Ca_kabuli_chr05	38130665	AA	GG	1940345160
SNP_P1_103567_38130762	NC_021164.1	Ca_kabuli_chr05	38130762	CC	TT	1940345162
SNP_P1_103568_38130999	NC_021164.1	Ca_kabuli_chr05	38130999	GG	TT	1940345164
SNP_P1_103569_38131117	NC_021164.1	Ca_kabuli_chr05	38131117	AA	GG	1940345165
SNP_P1_103570_38131177	NC_021164.1	Ca_kabuli_chr05	38131177	CC	TT	1940345167
SNP_P1_103571_38131199	NC_021164.1	Ca_kabuli_chr05	38131199	TT	CC	1940345169
SNP_P1_103572_38131206	NC_021164.1	Ca_kabuli_chr05	38131206	CC	TT	1940345170
SNP_P1_103573_38131230	NC_021164.1	Ca_kabuli_chr05	38131230	GG	AA	1940345172
SNP_P1_103575_38132433	NC_021164.1	Ca_kabuli_chr05	38132433	AA	TT	1940345174
SNP_P1_103576_38132456	NC_021164.1	Ca_kabuli_chr05	38132456	TT	AA	1940345176
SNP_P1_103577_38132595	NC_021164.1	Ca_kabuli_chr05	38132595	GG	AA	1940345178
SNP_P1_103578_38132628	NC_021164.1	Ca_kabuli_chr05	38132628	TT	CC	1940345179
SNP_P1_103579_38132639	NC_021164.1	Ca_kabuli_chr05	38132639	AA	TT	1940345181
SNP_P1_103580_38132641	NC_021164.1	Ca_kabuli_chr05	38132641	TT	AA	1940345183
SNP_P1_103581_38132700	NC_021164.1	Ca_kabuli_chr05	38132700	GG	AA	1940345185
SNP_P1_103582_38132738	NC_021164.1	Ca_kabuli_chr05	38132738	GG	TT	1940345187
SNP_P1_103583_38132897	NC_021164.1	Ca_kabuli_chr05	38132897	TT	CC	1940345188
SNP_P1_103584_38132930	NC_021164.1	Ca_kabuli_chr05	38132930	CC	TT	1940345190
SNP_P1_103585_38132992	NC_021164.1	Ca_kabuli_chr05	38132992	TT	CC	1940345192
SNP_P1_103586_38133045	NC_021164.1	Ca_kabuli_chr05	38133045	AA	GG	1940345193
SNP_P1_103587_38133052	NC_021164.1	Ca_kabuli_chr05	38133052	CC	TT	1940345195
SNP_P1_103588_38133068	NC_021164.1	Ca_kabuli_chr05	38133068	AA	GG	1940345197
SNP_P1_103589_38133085	NC_021164.1	Ca_kabuli_chr05	38133085	GG	TT	1940345199
SNP_P1_103590_38133320	NC_021164.1	Ca_kabuli_chr05	38133320	GG	AA	1940345200
SNP_P1_103591_38133402	NC_021164.1	Ca_kabuli_chr05	38133402	AA	GG	1940345202
SNP_P1_103592_38134102	NC_021164.1	Ca_kabuli_chr05	38134102	TT	AA	1940345204
SNP_P1_103593_38137038	NC_021164.1	Ca_kabuli_chr05	38137038	CC	TT	1940345206
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SNP_P1_103595_38137083	NC_021164.1	Ca_kabuli_chr05	38137083	GG	AA	1940345209
SNP_P1_103596_38137092	NC_021164.1	Ca_kabuli_chr05	38137092	GG	AA	1940345211
SNP_P1_103597_38137099	NC_021164.1	Ca_kabuli_chr05	38137099	AA	GG	1940345212
SNP_P1_103598_38137857	NC_021164.1	Ca_kabuli_chr05	38137857	AA	GG	1940345214

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103601_38137955	NC_021164.1	Ca_kabuli_chr05	38137955	CC	GG	1940345217
SNP_P1_103602_38139801	NC_021164.1	Ca_kabuli_chr05	38139801	CC	TT	1940345219
SNP_P1_103603_38139803	NC_021164.1	Ca_kabuli_chr05	38139803	TT	CC	1940345221
SNP_P1_103604_38139897	NC_021164.1	Ca_kabuli_chr05	38139897	AA	GG	1940345223
SNP_P1_103605_38141126	NC_021164.1	Ca_kabuli_chr05	38141126	TT	AA	1940345224
SNP_P1_103606_38141154	NC_021164.1	Ca_kabuli_chr05	38141154	TT	AA	1940345226
SNP_P1_103607_38141204	NC_021164.1	Ca_kabuli_chr05	38141204	CC	TT	1940345228
SNP_P1_103608_38141228	NC_021164.1	Ca_kabuli_chr05	38141228	CC	TT	1940345230
SNP_P1_103609_38141506	NC_021164.1	Ca_kabuli_chr05	38141506	GG	CC	1940345231
SNP_P1_103610_38141577	NC_021164.1	Ca_kabuli_chr05	38141577	TT	AA	1940345233
SNP_P1_103611_38142165	NC_021164.1	Ca_kabuli_chr05	38142165	CC	TT	1940345235
SNP_P1_103612_38142200	NC_021164.1	Ca_kabuli_chr05	38142200	TT	GG	1940345237
SNP_P1_103613_38142208	NC_021164.1	Ca_kabuli_chr05	38142208	GG	TT	1940345238
SNP_P1_103614_38142222	NC_021164.1	Ca_kabuli_chr05	38142222	GG	TT	1940345240
SNP_P1_103616_38146272	NC_021164.1	Ca_kabuli_chr05	38146272	GG	AA	1940345242
SNP_P1_103617_38146277	NC_021164.1	Ca_kabuli_chr05	38146277	TT	AA	1940345243
SNP_P1_103618_38146648	NC_021164.1	Ca_kabuli_chr05	38146648	CC	TT	1940345245
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SNP_P1_103623_38147590	NC_021164.1	Ca_kabuli_chr05	38147590	TT	AA	1940345254
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SNP_P1_103630_38150389	NC_021164.1	Ca_kabuli_chr05	38150389	AA	CC	1940345262
SNP_P1_103631_38150426	NC_021164.1	Ca_kabuli_chr05	38150426	CC	TT	1940345264
SNP_P1_103632_38150992	NC_021164.1	Ca_kabuli_chr05	38150992	TT	CC	1940345266
SNP_P1_103633_38151023	NC_021164.1	Ca_kabuli_chr05	38151023	GG	CC	1940345268
SNP_P1_103634_38151030	NC_021164.1	Ca_kabuli_chr05	38151030	AA	GG	1940345269
SNP_P1_103635_38152124	NC_021164.1	Ca_kabuli_chr05	38152124	AA	GG	1940345271
SNP_P1_103636_38152290	NC_021164.1	Ca_kabuli_chr05	38152290	TT	AA	1940345273
SNP_P1_103637_38152724	NC_021164.1	Ca_kabuli_chr05	38152724	CC	AA	1940345275
SNP_P1_103638_38152895	NC_021164.1	Ca_kabuli_chr05	38152895	CC	TT	1940345276
SNP_P1_103639_38152921	NC_021164.1	Ca_kabuli_chr05	38152921	TT	CC	1940345278
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SNP_P1_103642_38153271	NC_021164.1	Ca_kabuli_chr05	38153271	GG	AA	1940345281
SNP_P1_103643_38155543	NC_021164.1	Ca_kabuli_chr05	38155543	CC	TT	1940345283
SNP_P1_103644_38155558	NC_021164.1	Ca_kabuli_chr05	38155558	TT	CC	1940345285
SNP_P1_103645_38155584	NC_021164.1	Ca_kabuli_chr05	38155584	GG	TT	1940345287

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103649_38155974	NC_021164.1	Ca_kabuli_chr05	38155974	AA	GG	1940345294
SNP_P1_103650_38156173	NC_021164.1	Ca_kabuli_chr05	38156173	CC	TT	1940345295
SNP_P1_103651_38156260	NC_021164.1	Ca_kabuli_chr05	38156260	TT	CC	1940345297
SNP_P1_103652_38156354	NC_021164.1	Ca_kabuli_chr05	38156354	AA	CC	1940345299
SNP_P1_103654_38156416	NC_021164.1	Ca_kabuli_chr05	38156416	TT	CC	1940345300
SNP_P1_103655_38156489	NC_021164.1	Ca_kabuli_chr05	38156489	CC	TT	1940345302
SNP_P1_103656_38156558	NC_021164.1	Ca_kabuli_chr05	38156558	AA	GG	1940345304
SNP_P1_103657_38156772	NC_021164.1	Ca_kabuli_chr05	38156772	TT	CC	1940345306
SNP_P1_103658_38156792	NC_021164.1	Ca_kabuli_chr05	38156792	GG	AA	1940345307
SNP_P1_103659_38156806	NC_021164.1	Ca_kabuli_chr05	38156806	CC	TT	1940345309
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SNP_P1_103662_38157238	NC_021164.1	Ca_kabuli_chr05	38157238	GG	TT	1940345314
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SNP_P1_103668_38159237	NC_021164.1	Ca_kabuli_chr05	38159237	TT	AA	1940345321
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SNP_P1_103672_38159784	NC_021164.1	Ca_kabuli_chr05	38159784	TT	CC	1940345326
SNP_P1_103673_38159830	NC_021164.1	Ca_kabuli_chr05	38159830	AA	CC	1940345328
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SNP_P1_103675_38159889	NC_021164.1	Ca_kabuli_chr05	38159889	AA	GG	1940345332
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SNP_P1_103678_38159926	NC_021164.1	Ca_kabuli_chr05	38159926	AA	TT	1940345337
SNP_P1_103679_38160029	NC_021164.1	Ca_kabuli_chr05	38160029	CC	TT	1940345338
SNP_P1_103680_38160082	NC_021164.1	Ca_kabuli_chr05	38160082	GG	CC	1940345340
SNP_P1_103681_38160352	NC_021164.1	Ca_kabuli_chr05	38160352	TT	GG	1940345342
SNP_P1_103682_38160671	NC_021164.1	Ca_kabuli_chr05	38160671	TT	AA	1940345344
SNP_P1_103683_38160679	NC_021164.1	Ca_kabuli_chr05	38160679	TT	CC	1940345345
SNP_P1_103684_38160730	NC_021164.1	Ca_kabuli_chr05	38160730	AA	CC	1940345347
SNP_P1_103685_38164234	NC_021164.1	Ca_kabuli_chr05	38164234	AA	TT	1940345349
SNP_P1_103686_38164270	NC_021164.1	Ca_kabuli_chr05	38164270	TT	AA	1940345351
SNP_P1_103687_38164297	NC_021164.1	Ca_kabuli_chr05	38164297	TT	CC	1940345352
SNP_P1_103688_38164449	NC_021164.1	Ca_kabuli_chr05	38164449	AA	GG	1940345354
SNP_P1_103689_38164492	NC_021164.1	Ca_kabuli_chr05	38164492	GG	AA	1940345356
SNP_P1_103690_38165057	NC_021164.1	Ca_kabuli_chr05	38165057	GG	CC	1940345357
SNP_P1_103692_38165299	NC_021164.1	Ca_kabuli_chr05	38165299	TT	CC	1940345359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103694_38167581	NC_021164.1	Ca_kabuli_chr05	38167581	AA	TT	1940345363
SNP_P1_103695_38203496	NC_021164.1	Ca_kabuli_chr05	38203496	TT	CC	1940345364
SNP_P1_103696_38203526	NC_021164.1	Ca_kabuli_chr05	38203526	AA	GG	1940345366
SNP_P1_103697_38203541	NC_021164.1	Ca_kabuli_chr05	38203541	GG	TT	1940345368
SNP_P1_103698_38203786	NC_021164.1	Ca_kabuli_chr05	38203786	GG	AA	1940345369
SNP_P1_103699_38203820	NC_021164.1	Ca_kabuli_chr05	38203820	TT	CC	1940345371
SNP_P1_103700_38210165	NC_021164.1	Ca_kabuli_chr05	38210165	TT	CC	1940345373
SNP_P1_103701_38224129	NC_021164.1	Ca_kabuli_chr05	38224129	GG	AA	1940345375
SNP_P1_103702_38228663	NC_021164.1	Ca_kabuli_chr05	38228663	AA	GG	1940345376
SNP_P1_103703_38228918	NC_021164.1	Ca_kabuli_chr05	38228918	TT	CC	1940345378
SNP_P1_103704_38228977	NC_021164.1	Ca_kabuli_chr05	38228977	TT	CC	1940345380
SNP_P1_103705_38229012	NC_021164.1	Ca_kabuli_chr05	38229012	TT	CC	1940345382
SNP_P1_103706_38235664	NC_021164.1	Ca_kabuli_chr05	38235664	GG	CC	1940345383
SNP_P1_103707_38256533	NC_021164.1	Ca_kabuli_chr05	38256533	AA	TT	1940345385
SNP_P1_103708_38261213	NC_021164.1	Ca_kabuli_chr05	38261213	AA	GG	1940345387
SNP_P1_103709_38278690	NC_021164.1	Ca_kabuli_chr05	38278690	TT	CC	1940345388
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SNP_P1_103711_38304886	NC_021164.1	Ca_kabuli_chr05	38304886	TT	CC	1940345392
SNP_P1_103712_38320729	NC_021164.1	Ca_kabuli_chr05	38320729	AA	CC	1940345394
SNP_P1_103713_38327204	NC_021164.1	Ca_kabuli_chr05	38327204	GG	AA	1940345395
SNP_P1_103714_38331673	NC_021164.1	Ca_kabuli_chr05	38331673	GG	AA	1940345397
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SNP_P1_103716_38352203	NC_021164.1	Ca_kabuli_chr05	38352203	TT	AA	1940345401
SNP_P1_103717_38352231	NC_021164.1	Ca_kabuli_chr05	38352231	CC	TT	1940345402
SNP_P1_103718_38360084	NC_021164.1	Ca_kabuli_chr05	38360084	CC	TT	1940345404
SNP_P1_103719_38366466	NC_021164.1	Ca_kabuli_chr05	38366466	AA	CC	1940345406
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SNP_P1_103721_38373038	NC_021164.1	Ca_kabuli_chr05	38373038	TT	CC	1940345409
SNP_P1_103722_38374351	NC_021164.1	Ca_kabuli_chr05	38374351	AA	GG	1940345411
SNP_P1_103723_38374353	NC_021164.1	Ca_kabuli_chr05	38374353	AA	CC	1940345413
SNP_P1_103727_38407125	NC_021164.1	Ca_kabuli_chr05	38407125	AA	TT	1940345414
SNP_P1_103728_38407290	NC_021164.1	Ca_kabuli_chr05	38407290	GG	AA	1940345416
SNP_P1_103729_38407291	NC_021164.1	Ca_kabuli_chr05	38407291	GG	AA	1940345418
SNP_P1_103730_38407302	NC_021164.1	Ca_kabuli_chr05	38407302	AA	GG	1940345419
SNP_P1_103731_38407316	NC_021164.1	Ca_kabuli_chr05	38407316	CC	AA	1940345421
SNP_P1_103732_38407331	NC_021164.1	Ca_kabuli_chr05	38407331	GG	TT	1940345423
SNP_P1_103733_38407349	NC_021164.1	Ca_kabuli_chr05	38407349	TT	CC	1940345425
SNP_P1_103734_38407362	NC_021164.1	Ca_kabuli_chr05	38407362	AA	GG	1940345426
SNP_P1_103735_38407397	NC_021164.1	Ca_kabuli_chr05	38407397	TT	AA	1940345428
SNP_P1_103736_38407399	NC_021164.1	Ca_kabuli_chr05	38407399	GG	AA	1940345430
SNP_P1_103737_38407420	NC_021164.1	Ca_kabuli_chr05	38407420	GG	AA	1940345432

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103739_38407439	NC_021164.1	Ca_kabuli_chr05	38407439	GG	AA	1940345435
SNP_P1_103740_38407474	NC_021164.1	Ca_kabuli_chr05	38407474	TT	CC	1940345437
SNP_P1_103741_38407500	NC_021164.1	Ca_kabuli_chr05	38407500	CC	GG	1940345438
SNP_P1_103742_38407501	NC_021164.1	Ca_kabuli_chr05	38407501	AA	GG	1940345440
SNP_P1_103743_38407529	NC_021164.1	Ca_kabuli_chr05	38407529	AA	GG	1940345442
SNP_P1_103744_38407532	NC_021164.1	Ca_kabuli_chr05	38407532	CC	TT	1940345444
SNP_P1_103745_38407581	NC_021164.1	Ca_kabuli_chr05	38407581	AA	CC	1940345445
SNP_P1_103746_38407630	NC_021164.1	Ca_kabuli_chr05	38407630	AA	GG	1940345447
SNP_P1_103747_38407631	NC_021164.1	Ca_kabuli_chr05	38407631	GG	AA	1940345449
SNP_P1_103748_38425553	NC_021164.1	Ca_kabuli_chr05	38425553	CC	TT	1940345450
SNP_P1_103749_38427013	NC_021164.1	Ca_kabuli_chr05	38427013	CC	AA	1940345452
SNP_P1_103750_38428464	NC_021164.1	Ca_kabuli_chr05	38428464	GG	AA	1940345454
SNP_P1_103751_38428487	NC_021164.1	Ca_kabuli_chr05	38428487	AA	GG	1940345456
SNP_P1_103752_38428885	NC_021164.1	Ca_kabuli_chr05	38428885	GG	CC	1940345457
SNP_P1_103753_38432411	NC_021164.1	Ca_kabuli_chr05	38432411	AA	TT	1940345459
SNP_P1_103754_38432466	NC_021164.1	Ca_kabuli_chr05	38432466	TT	GG	1940345461
SNP_P1_103755_38432585	NC_021164.1	Ca_kabuli_chr05	38432585	CC	GG	1940345463
SNP_P1_103756_38432627	NC_021164.1	Ca_kabuli_chr05	38432627	TT	AA	1940345464
SNP_P1_103757_38432763	NC_021164.1	Ca_kabuli_chr05	38432763	TT	CC	1940345466
SNP_P1_103758_38432881	NC_021164.1	Ca_kabuli_chr05	38432881	AA	GG	1940345468
SNP_P1_103759_38432936	NC_021164.1	Ca_kabuli_chr05	38432936	AA	CC	1940345469
SNP_P1_103760_38432991	NC_021164.1	Ca_kabuli_chr05	38432991	CC	TT	1940345471
SNP_P1_103761_38433089	NC_021164.1	Ca_kabuli_chr05	38433089	AA	GG	1940345473
SNP_P1_103762_38433195	NC_021164.1	Ca_kabuli_chr05	38433195	AA	GG	1940345475
SNP_P1_103763_38433296	NC_021164.1	Ca_kabuli_chr05	38433296	TT	CC	1940345476
SNP_P1_103764_38438221	NC_021164.1	Ca_kabuli_chr05	38438221	GG	AA	1940345478
SNP_P1_103765_38463613	NC_021164.1	Ca_kabuli_chr05	38463613	TT	CC	1940345480
SNP_P1_103767_38465793	NC_021164.1	Ca_kabuli_chr05	38465793	CC	TT	1940345482
SNP_P1_103768_38465797	NC_021164.1	Ca_kabuli_chr05	38465797	TT	CC	1940345483
SNP_P1_103769_38476431	NC_021164.1	Ca_kabuli_chr05	38476431	GG	AA	1940345485
SNP_P1_103770_38476563	NC_021164.1	Ca_kabuli_chr05	38476563	GG	AA	1940345487
SNP_P1_103771_38476621	NC_021164.1	Ca_kabuli_chr05	38476621	GG	TT	1940345488
SNP_P1_103772_38476789	NC_021164.1	Ca_kabuli_chr05	38476789	AA	GG	1940345490
SNP_P1_103773_38476801	NC_021164.1	Ca_kabuli_chr05	38476801	TT	CC	1940345492
SNP_P1_103774_38476869	NC_021164.1	Ca_kabuli_chr05	38476869	AA	GG	1940345494
SNP_P1_103775_38476879	NC_021164.1	Ca_kabuli_chr05	38476879	TT	CC	1940345495
SNP_P1_103777_38479617	NC_021164.1	Ca_kabuli_chr05	38479617	GG	AA	1940345497
SNP_P1_103778_38517472	NC_021164.1	Ca_kabuli_chr05	38517472	TT	CC	1940345499
SNP_P1_103780_38613576	NC_021164.1	Ca_kabuli_chr05	38613576	TT	AA	1940345500
SNP_P1_103781_38708714	NC_021164.1	Ca_kabuli_chr05	38708714	TT	CC	1940345502
SNP_P1_103782_38711328	NC_021164.1	Ca_kabuli_chr05	38711328	AA	CC	1940345504

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103786_38749841	NC_021164.1	Ca_kabuli_chr05	38749841	AA	CC	1940345509
SNP_P1_103787_38754040	NC_021164.1	Ca_kabuli_chr05	38754040	CC	TT	1940345511
SNP_P1_103790_38755907	NC_021164.1	Ca_kabuli_chr05	38755907	TT	CC	1940345513
SNP_P1_103793_38782933	NC_021164.1	Ca_kabuli_chr05	38782933	GG	AA	1940345514
SNP_P1_103794_38815282	NC_021164.1	Ca_kabuli_chr05	38815282	GG	CC	1940345516
SNP_P1_103795_38844001	NC_021164.1	Ca_kabuli_chr05	38844001	CC	TT	1940345518
SNP_P1_103796_38849065	NC_021164.1	Ca_kabuli_chr05	38849065	AA	GG	1940345519
SNP_P1_103797_38849197	NC_021164.1	Ca_kabuli_chr05	38849197	AA	GG	1940345521
SNP_P1_103798_38850538	NC_021164.1	Ca_kabuli_chr05	38850538	GG	CC	1940345523
SNP_P1_103799_38853980	NC_021164.1	Ca_kabuli_chr05	38853980	TT	CC	1940345525
SNP_P1_103802_38887857	NC_021164.1	Ca_kabuli_chr05	38887857	AA	TT	1940345526
SNP_P1_103805_38916306	NC_021164.1	Ca_kabuli_chr05	38916306	TT	CC	1940345528
SNP_P1_103806_38996078	NC_021164.1	Ca_kabuli_chr05	38996078	GG	CC	1940345530
SNP_P1_103807_38996716	NC_021164.1	Ca_kabuli_chr05	38996716	CC	TT	1940345532
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SNP_P1_103811_39055630	NC_021164.1	Ca_kabuli_chr05	39055630	AA	GG	1940345535
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SNP_P1_103815_39056187	NC_021164.1	Ca_kabuli_chr05	39056187	TT	CC	1940345542
SNP_P1_103816_39056208	NC_021164.1	Ca_kabuli_chr05	39056208	CC	GG	1940345544
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SNP_P1_103821_39091905	NC_021164.1	Ca_kabuli_chr05	39091905	GG	AA	1940345552
SNP_P1_103822_39095924	NC_021164.1	Ca_kabuli_chr05	39095924	CC	GG	1940345554
SNP_P1_103823_39095942	NC_021164.1	Ca_kabuli_chr05	39095942	CC	AA	1940345556
SNP_P1_103824_39100214	NC_021164.1	Ca_kabuli_chr05	39100214	TT	CC	1940345557
SNP_P1_103825_39100215	NC_021164.1	Ca_kabuli_chr05	39100215	AA	GG	1940345559
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SNP_P1_103829_39118874	NC_021164.1	Ca_kabuli_chr05	39118874	TT	CC	1940345563
SNP_P1_103830_39118904	NC_021164.1	Ca_kabuli_chr05	39118904	AA	CC	1940345564
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SNP_P1_103832_39127547	NC_021164.1	Ca_kabuli_chr05	39127547	TT	GG	1940345568
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SNP_P1_103834_39156845	NC_021164.1	Ca_kabuli_chr05	39156845	GG	AA	1940345571
SNP_P1_103835_39159199	NC_021164.1	Ca_kabuli_chr05	39159199	CC	TT	1940345573
SNP_P1_103836_39171190	NC_021164.1	Ca_kabuli_chr05	39171190	GG	AA	1940345575
SNP_P1_103838_39201200	NC_021164.1	Ca_kabuli_chr05	39201200	AA	GG	1940345576

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103841_39287147	NC_021164.1	Ca_kabuli_chr05	39287147	CC	TT	1940345581
SNP_P1_103842_39287696	NC_021164.1	Ca_kabuli_chr05	39287696	CC	GG	1940345583
SNP_P1_103843_39292578	NC_021164.1	Ca_kabuli_chr05	39292578	AA	GG	1940345585
SNP_P1_103844_39327116	NC_021164.1	Ca_kabuli_chr05	39327116	CC	TT	1940345587
SNP_P1_103845_39327154	NC_021164.1	Ca_kabuli_chr05	39327154	AA	GG	1940345588
SNP_P1_103846_39327180	NC_021164.1	Ca_kabuli_chr05	39327180	AA	GG	1940345590
SNP_P1_103847_39327224	NC_021164.1	Ca_kabuli_chr05	39327224	TT	CC	1940345592
SNP_P1_103848_39327262	NC_021164.1	Ca_kabuli_chr05	39327262	GG	AA	1940345594
SNP_P1_103849_39327429	NC_021164.1	Ca_kabuli_chr05	39327429	TT	CC	1940345595
SNP_P1_103850_39327431	NC_021164.1	Ca_kabuli_chr05	39327431	GG	AA	1940345597
SNP_P1_103851_39331732	NC_021164.1	Ca_kabuli_chr05	39331732	TT	CC	1940345599
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SNP_P1_103855_39360190	NC_021164.1	Ca_kabuli_chr05	39360190	AA	GG	1940345604
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SNP_P1_103861_39369893	NC_021164.1	Ca_kabuli_chr05	39369893	CC	TT	1940345614
SNP_P1_103862_39369937	NC_021164.1	Ca_kabuli_chr05	39369937	AA	CC	1940345616
SNP_P1_103863_39370020	NC_021164.1	Ca_kabuli_chr05	39370020	GG	AA	1940345618
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SNP_P1_103869_39392039	NC_021164.1	Ca_kabuli_chr05	39392039	CC	TT	1940345628
SNP_P1_103870_39393225	NC_021164.1	Ca_kabuli_chr05	39393225	GG	AA	1940345630
SNP_P1_103871_39399486	NC_021164.1	Ca_kabuli_chr05	39399486	CC	TT	1940345632
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SNP_P1_103875_39468566	NC_021164.1	Ca_kabuli_chr05	39468566	CC	GG	1940345635
SNP_P1_103876_39472809	NC_021164.1	Ca_kabuli_chr05	39472809	AA	CC	1940345637
SNP_P1_103877_39472812	NC_021164.1	Ca_kabuli_chr05	39472812	AA	CC	1940345638
SNP_P1_103880_39489155	NC_021164.1	Ca_kabuli_chr05	39489155	GG	AA	1940345640
SNP_P1_103881_39489160	NC_021164.1	Ca_kabuli_chr05	39489160	AA	CC	1940345642
SNP_P1_103882_39491759	NC_021164.1	Ca_kabuli_chr05	39491759	AA	GG	1940345644
SNP_P1_103884_39516572	NC_021164.1	Ca_kabuli_chr05	39516572	GG	AA	1940345645
SNP_P1_103885_39525289	NC_021164.1	Ca_kabuli_chr05	39525289	CC	TT	1940345647
SNP_P1_103886_39529379	NC_021164.1	Ca_kabuli_chr05	39529379	GG	AA	1940345649

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_103887_39530192	NC_021164.1	Ca_kabuli_chr05	39530192	AA	GG	1940345650
SNP_P1_103888_39530200	NC_021164.1	Ca_kabuli_chr05	39530200	GG	CC	1940345652
SNP_P1_103889_39530223	NC_021164.1	Ca_kabuli_chr05	39530223	GG	AA	1940345654
SNP_P1_103890_39530251	NC_021164.1	Ca_kabuli_chr05	39530251	AA	CC	1940345656
SNP_P1_103891_39530323	NC_021164.1	Ca_kabuli_chr05	39530323	TT	CC	1940345657
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SNP_P1_103893_39530670	NC_021164.1	Ca_kabuli_chr05	39530670	TT	CC	1940345661
SNP_P1_103894_39534468	NC_021164.1	Ca_kabuli_chr05	39534468	AA	GG	1940345663
SNP_P1_103895_39537649	NC_021164.1	Ca_kabuli_chr05	39537649	GG	AA	1940345664
SNP_P1_103897_39544932	NC_021164.1	Ca_kabuli_chr05	39544932	TT	CC	1940345666
SNP_P1_103901_39576384	NC_021164.1	Ca_kabuli_chr05	39576384	AA	GG	1940345668
SNP_P1_103902_39576445	NC_021164.1	Ca_kabuli_chr05	39576445	AA	GG	1940345669
SNP_P1_103903_39601806	NC_021164.1	Ca_kabuli_chr05	39601806	TT	CC	1940345671
SNP_P1_103904_39611887	NC_021164.1	Ca_kabuli_chr05	39611887	CC	TT	1940345673
SNP_P1_103905_39642862	NC_021164.1	Ca_kabuli_chr05	39642862	CC	TT	1940345675
SNP_P1_103906_39662321	NC_021164.1	Ca_kabuli_chr05	39662321	AA	GG	1940345676
SNP_P1_103907_39680682	NC_021164.1	Ca_kabuli_chr05	39680682	AA	TT	1940345678
SNP_P1_103908_39706631	NC_021164.1	Ca_kabuli_chr05	39706631	CC	TT	1940345680
SNP_P1_103909_39707201	NC_021164.1	Ca_kabuli_chr05	39707201	AA	GG	1940345681
SNP_P1_103910_39707300	NC_021164.1	Ca_kabuli_chr05	39707300	GG	AA	1940345683
SNP_P1_103911_39710187	NC_021164.1	Ca_kabuli_chr05	39710187	AA	CC	1940345685
SNP_P1_103912_39710191	NC_021164.1	Ca_kabuli_chr05	39710191	AA	CC	1940345687
SNP_P1_103913_39724546	NC_021164.1	Ca_kabuli_chr05	39724546	GG	AA	1940345688
SNP_P1_103914_39729961	NC_021164.1	Ca_kabuli_chr05	39729961	CC	TT	1940345690
SNP_P1_103915_39741685	NC_021164.1	Ca_kabuli_chr05	39741685	GG	TT	1940345692
SNP_P1_103916_39742030	NC_021164.1	Ca_kabuli_chr05	39742030	CC	TT	1940345694
SNP_P1_103917_39749057	NC_021164.1	Ca_kabuli_chr05	39749057	CC	TT	1940345695
SNP_P1_103918_39761092	NC_021164.1	Ca_kabuli_chr05	39761092	AA	TT	1940345697
SNP_P1_103919_39761094	NC_021164.1	Ca_kabuli_chr05	39761094	TT	AA	1940345699
SNP_P1_103921_39776973	NC_021164.1	Ca_kabuli_chr05	39776973	GG	AA	1940345700
SNP_P1_103922_39777370	NC_021164.1	Ca_kabuli_chr05	39777370	GG	AA	1940345702
SNP_P1_103923_39777392	NC_021164.1	Ca_kabuli_chr05	39777392	GG	CC	1940345704
SNP_P1_103924_39790448	NC_021164.1	Ca_kabuli_chr05	39790448	AA	TT	1940345706
SNP_P1_103926_39804026	NC_021164.1	Ca_kabuli_chr05	39804026	CC	TT	1940345707
SNP_P1_103929_39826739	NC_021164.1	Ca_kabuli_chr05	39826739	GG	CC	1940345709
SNP_P1_103930_39832617	NC_021164.1	Ca_kabuli_chr05	39832617	TT	CC	1940345711
SNP_P1_103931_39835336	NC_021164.1	Ca_kabuli_chr05	39835336	CC	TT	1940345712
SNP_P1_103932_39844274	NC_021164.1	Ca_kabuli_chr05	39844274	TT	CC	1940345714
SNP_P1_103933_39844278	NC_021164.1	Ca_kabuli_chr05	39844278	AA	GG	1940345716
SNP_P1_103934_39850006	NC_021164.1	Ca_kabuli_chr05	39850006	TT	CC	1940345718
SNP_P1_103935_39861824	NC_021164.1	Ca_kabuli_chr05	39861824	CC	TT	1940345719
SNP_P1_103937_39872859	NC_021164.1	Ca_kabuli_chr05	39872859	TT	CC	1940345721

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103939_39873130	NC_021164.1	Ca_kabuli_chr05	39873130	CC	AA	1940345725
SNP_P1_103940_39873148	NC_021164.1	Ca_kabuli_chr05	39873148	TT	AA	1940345726
SNP_P1_103941_39873433	NC_021164.1	Ca_kabuli_chr05	39873433	TT	CC	1940345728
SNP_P1_103942_39873456	NC_021164.1	Ca_kabuli_chr05	39873456	AA	GG	1940345730
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SNP_P1_103944_39875578	NC_021164.1	Ca_kabuli_chr05	39875578	GG	AA	1940345733
SNP_P1_103945_39884387	NC_021164.1	Ca_kabuli_chr05	39884387	CC	TT	1940345735
SNP_P1_103946_39919266	NC_021164.1	Ca_kabuli_chr05	39919266	GG	AA	1940345737
SNP_P1_103949_39942797	NC_021164.1	Ca_kabuli_chr05	39942797	GG	AA	1940345738
SNP_P1_103950_39943298	NC_021164.1	Ca_kabuli_chr05	39943298	TT	CC	1940345740
SNP_P1_103951_39963301	NC_021164.1	Ca_kabuli_chr05	39963301	TT	CC	1940345742
SNP_P1_103952_39963303	NC_021164.1	Ca_kabuli_chr05	39963303	TT	GG	1940345743
SNP_P1_103953_39993322	NC_021164.1	Ca_kabuli_chr05	39993322	CC	TT	1940345745
SNP_P1_103956_40031385	NC_021164.1	Ca_kabuli_chr05	40031385	TT	GG	1940345747
SNP_P1_103957_40053325	NC_021164.1	Ca_kabuli_chr05	40053325	AA	GG	1940345749
SNP_P1_103959_40057933	NC_021164.1	Ca_kabuli_chr05	40057933	TT	GG	1940345750
SNP_P1_103960_40063078	NC_021164.1	Ca_kabuli_chr05	40063078	AA	CC	1940345752
SNP_P1_103961_40064289	NC_021164.1	Ca_kabuli_chr05	40064289	AA	TT	1940345754
SNP_P1_103963_40072951	NC_021164.1	Ca_kabuli_chr05	40072951	TT	AA	1940345756
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SNP_P1_103966_40090170	NC_021164.1	Ca_kabuli_chr05	40090170	GG	CC	1940345759
SNP_P1_103969_40129873	NC_021164.1	Ca_kabuli_chr05	40129873	TT	CC	1940345761
SNP_P1_103970_40134122	NC_021164.1	Ca_kabuli_chr05	40134122	CC	TT	1940345762
SNP_P1_103972_40156263	NC_021164.1	Ca_kabuli_chr05	40156263	GG	CC	1940345764
SNP_P1_103974_40174639	NC_021164.1	Ca_kabuli_chr05	40174639	AA	GG	1940345766
SNP_P1_103976_40190840	NC_021164.1	Ca_kabuli_chr05	40190840	TT	CC	1940345768
SNP_P1_103980_40256857	NC_021164.1	Ca_kabuli_chr05	40256857	AA	GG	1940345769
SNP_P1_103981_40277853	NC_021164.1	Ca_kabuli_chr05	40277853	GG	AA	1940345771
SNP_P1_103982_40288489	NC_021164.1	Ca_kabuli_chr05	40288489	TT	GG	1940345773
SNP_P1_103983_40290436	NC_021164.1	Ca_kabuli_chr05	40290436	TT	CC	1940345775
SNP_P1_103984_40308601	NC_021164.1	Ca_kabuli_chr05	40308601	AA	GG	1940345776
SNP_P1_103985_40308906	NC_021164.1	Ca_kabuli_chr05	40308906	TT	CC	1940345778
SNP_P1_103986_40308948	NC_021164.1	Ca_kabuli_chr05	40308948	TT	CC	1940345780
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SNP_P1_103989_40316348	NC_021164.1	Ca_kabuli_chr05	40316348	AA	GG	1940345783
SNP_P1_103990_40318198	NC_021164.1	Ca_kabuli_chr05	40318198	TT	CC	1940345785
SNP_P1_103991_40328636	NC_021164.1	Ca_kabuli_chr05	40328636	AA	TT	1940345787
SNP_P1_103992_40328951	NC_021164.1	Ca_kabuli_chr05	40328951	CC	TT	1940345788
SNP_P1_103993_40329282	NC_021164.1	Ca_kabuli_chr05	40329282	AA	CC	1940345790
SNP_P1_103994_40329311	NC_021164.1	Ca_kabuli_chr05	40329311	CC	TT	1940345792
SNP_P1_103995_40330510	NC_021164.1	Ca_kabuli_chr05	40330510	AA	GG	1940345793

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_103997_40330948	NC_021164.1	Ca_kabuli_chr05	40330948	GG	TT	1940345797
SNP_P1_103998_40330958	NC_021164.1	Ca_kabuli_chr05	40330958	CC	GG	1940345799
SNP_P1_103999_40331005	NC_021164.1	Ca_kabuli_chr05	40331005	TT	CC	1940345800
SNP_P1_104000_40332092	NC_021164.1	Ca_kabuli_chr05	40332092	AA	GG	1940345802
SNP_P1_104001_40332104	NC_021164.1	Ca_kabuli_chr05	40332104	AA	GG	1940345804
SNP_P1_104002_40332106	NC_021164.1	Ca_kabuli_chr05	40332106	AA	CC	1940345806
SNP_P1_104003_40332429	NC_021164.1	Ca_kabuli_chr05	40332429	CC	GG	1940345807
SNP_P1_104004_40332449	NC_021164.1	Ca_kabuli_chr05	40332449	TT	CC	1940345809
SNP_P1_104005_40332503	NC_021164.1	Ca_kabuli_chr05	40332503	TT	CC	1940345811
SNP_P1_104006_40336089	NC_021164.1	Ca_kabuli_chr05	40336089	GG	AA	1940345812
SNP_P1_104007_40337055	NC_021164.1	Ca_kabuli_chr05	40337055	CC	TT	1940345814
SNP_P1_104008_40353588	NC_021164.1	Ca_kabuli_chr05	40353588	GG	AA	1940345816
SNP_P1_104009_40354299	NC_021164.1	Ca_kabuli_chr05	40354299	CC	TT	1940345818
SNP_P1_104010_40354335	NC_021164.1	Ca_kabuli_chr05	40354335	AA	GG	1940345819
SNP_P1_104011_40381929	NC_021164.1	Ca_kabuli_chr05	40381929	CC	TT	1940345821
SNP_P1_104012_40385960	NC_021164.1	Ca_kabuli_chr05	40385960	GG	AA	1940345823
SNP_P1_104014_40400687	NC_021164.1	Ca_kabuli_chr05	40400687	TT	AA	1940345825
SNP_P1_104016_40435694	NC_021164.1	Ca_kabuli_chr05	40435694	AA	CC	1940345826
SNP_P1_104017_40436061	NC_021164.1	Ca_kabuli_chr05	40436061	AA	GG	1940345828
SNP_P1_104018_40436083	NC_021164.1	Ca_kabuli_chr05	40436083	AA	GG	1940345830
SNP_P1_104019_40436090	NC_021164.1	Ca_kabuli_chr05	40436090	CC	TT	1940345831
SNP_P1_104020_40436116	NC_021164.1	Ca_kabuli_chr05	40436116	TT	CC	1940345833
SNP_P1_104022_40443709	NC_021164.1	Ca_kabuli_chr05	40443709	AA	GG	1940345835
SNP_P1_104023_40452966	NC_021164.1	Ca_kabuli_chr05	40452966	GG	AA	1940345837
SNP_P1_104025_40484524	NC_021164.1	Ca_kabuli_chr05	40484524	AA	CC	1940345838
SNP_P1_104027_40519540	NC_021164.1	Ca_kabuli_chr05	40519540	AA	CC	1940345840
SNP_P1_104028_40529034	NC_021164.1	Ca_kabuli_chr05	40529034	GG	AA	1940345842
SNP_P1_104029_40545281	NC_021164.1	Ca_kabuli_chr05	40545281	CC	TT	1940345843
SNP_P1_104030_40588196	NC_021164.1	Ca_kabuli_chr05	40588196	CC	TT	1940345845
SNP_P1_104031_40588315	NC_021164.1	Ca_kabuli_chr05	40588315	GG	AA	1940345847
SNP_P1_104032_40600636	NC_021164.1	Ca_kabuli_chr05	40600636	AA	GG	1940345849
SNP_P1_104033_40600651	NC_021164.1	Ca_kabuli_chr05	40600651	TT	CC	1940345850
SNP_P1_104034_40600678	NC_021164.1	Ca_kabuli_chr05	40600678	TT	CC	1940345852
SNP_P1_104035_40600804	NC_021164.1	Ca_kabuli_chr05	40600804	GG	AA	1940345854
SNP_P1_104036_40604063	NC_021164.1	Ca_kabuli_chr05	40604063	GG	AA	1940345856
SNP_P1_104037_40604084	NC_021164.1	Ca_kabuli_chr05	40604084	AA	GG	1940345857
SNP_P1_104038_40604086	NC_021164.1	Ca_kabuli_chr05	40604086	CC	GG	1940345859
SNP_P1_104041_40616667	NC_021164.1	Ca_kabuli_chr05	40616667	AA	GG	1940345861
SNP_P1_104042_40617646	NC_021164.1	Ca_kabuli_chr05	40617646	CC	TT	1940345862
SNP_P1_104043_40620342	NC_021164.1	Ca_kabuli_chr05	40620342	TT	CC	1940345864
SNP_P1_104044_40624833	NC_021164.1	Ca_kabuli_chr05	40624833	TT	AA	1940345866

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104046_40652461	NC_021164.1	Ca_kabuli_chr05	40652461	TT	CC	1940345869
SNP_P1_104047_40678876	NC_021164.1	Ca_kabuli_chr05	40678876	CC	AA	1940345871
SNP_P1_104048_40689488	NC_021164.1	Ca_kabuli_chr05	40689488	AA	TT	1940345873
SNP_P1_104053_40776779	NC_021164.1	Ca_kabuli_chr05	40776779	AA	CC	1940345875
SNP_P1_104054_40776780	NC_021164.1	Ca_kabuli_chr05	40776780	AA	CC	1940345876
SNP_P1_104055_40780343	NC_021164.1	Ca_kabuli_chr05	40780343	GG	AA	1940345878
SNP_P1_104056_40780652	NC_021164.1	Ca_kabuli_chr05	40780652	GG	AA	1940345880
SNP_P1_104057_40781043	NC_021164.1	Ca_kabuli_chr05	40781043	TT	CC	1940345881
SNP_P1_104058_40781060	NC_021164.1	Ca_kabuli_chr05	40781060	AA	GG	1940345883
SNP_P1_104059_40789368	NC_021164.1	Ca_kabuli_chr05	40789368	TT	GG	1940345885
SNP_P1_104060_40815077	NC_021164.1	Ca_kabuli_chr05	40815077	TT	CC	1940345887
SNP_P1_104061_40819925	NC_021164.1	Ca_kabuli_chr05	40819925	GG	AA	1940345888
SNP_P1_104062_40838666	NC_021164.1	Ca_kabuli_chr05	40838666	AA	GG	1940345890
SNP_P1_104063_40854773	NC_021164.1	Ca_kabuli_chr05	40854773	TT	AA	1940345892
SNP_P1_104064_40858034	NC_021164.1	Ca_kabuli_chr05	40858034	GG	AA	1940345893
SNP_P1_104065_40858046	NC_021164.1	Ca_kabuli_chr05	40858046	AA	GG	1940345895
SNP_P1_104066_40858054	NC_021164.1	Ca_kabuli_chr05	40858054	GG	AA	1940345897
SNP_P1_104067_40858055	NC_021164.1	Ca_kabuli_chr05	40858055	TT	AA	1940345899
SNP_P1_104068_40858062	NC_021164.1	Ca_kabuli_chr05	40858062	AA	CC	1940345900
SNP_P1_104069_40906511	NC_021164.1	Ca_kabuli_chr05	40906511	TT	CC	1940345902
SNP_P1_104070_40907708	NC_021164.1	Ca_kabuli_chr05	40907708	AA	TT	1940345904
SNP_P1_104071_40907709	NC_021164.1	Ca_kabuli_chr05	40907709	AA	CC	1940345906
SNP_P1_104072_40921791	NC_021164.1	Ca_kabuli_chr05	40921791	TT	CC	1940345907
SNP_P1_104073_40921919	NC_021164.1	Ca_kabuli_chr05	40921919	TT	AA	1940345909
SNP_P1_104074_40929783	NC_021164.1	Ca_kabuli_chr05	40929783	TT	AA	1940345911
SNP_P1_104075_40935240	NC_021164.1	Ca_kabuli_chr05	40935240	TT	CC	1940345912
SNP_P1_104077_40951213	NC_021164.1	Ca_kabuli_chr05	40951213	AA	GG	1940345914
SNP_P1_104078_40951216	NC_021164.1	Ca_kabuli_chr05	40951216	AA	GG	1940345916
SNP_P1_104083_40986607	NC_021164.1	Ca_kabuli_chr05	40986607	TT	CC	1940345918
SNP_P1_104084_40986608	NC_021164.1	Ca_kabuli_chr05	40986608	AA	GG	1940345919
SNP_P1_104085_40991313	NC_021164.1	Ca_kabuli_chr05	40991313	CC	TT	1940345921
SNP_P1_104086_40991399	NC_021164.1	Ca_kabuli_chr05	40991399	TT	CC	1940345923
SNP_P1_104087_40991623	NC_021164.1	Ca_kabuli_chr05	40991623	AA	CC	1940345925
SNP_P1_104089_40991918	NC_021164.1	Ca_kabuli_chr05	40991918	GG	AA	1940345926
SNP_P1_104090_40992049	NC_021164.1	Ca_kabuli_chr05	40992049	TT	AA	1940345928
SNP_P1_104091_40992149	NC_021164.1	Ca_kabuli_chr05	40992149	AA	GG	1940345930
SNP_P1_104092_40992226	NC_021164.1	Ca_kabuli_chr05	40992226	TT	AA	1940345931
SNP_P1_104093_41023126	NC_021164.1	Ca_kabuli_chr05	41023126	GG	TT	1940345933
SNP_P1_104094_41063696	NC_021164.1	Ca_kabuli_chr05	41063696	GG	AA	1940345935
SNP_P1_104095_41063749	NC_021164.1	Ca_kabuli_chr05	41063749	AA	GG	1940345937
SNP_P1_104097_41063828	NC_021164.1	Ca_kabuli_chr05	41063828	GG	TT	1940345938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104099_41063985	NC_021164.1	Ca_kabuli_chr05	41063985	TT	CC	1940345942
SNP_P1_104101_41113631	NC_021164.1	Ca_kabuli_chr05	41113631	TT	AA	1940345944
SNP_P1_104103_41164524	NC_021164.1	Ca_kabuli_chr05	41164524	TT	AA	1940345945
SNP_P1_104105_41186997	NC_021164.1	Ca_kabuli_chr05	41186997	TT	CC	1940345947
SNP_P1_104107_41191083	NC_021164.1	Ca_kabuli_chr05	41191083	AA	CC	1940345949
SNP_P1_104108_41191126	NC_021164.1	Ca_kabuli_chr05	41191126	GG	AA	1940345950
SNP_P1_104109_41191129	NC_021164.1	Ca_kabuli_chr05	41191129	AA	GG	1940345952
SNP_P1_104110_41191153	NC_021164.1	Ca_kabuli_chr05	41191153	GG	CC	1940345954
SNP_P1_104111_41191156	NC_021164.1	Ca_kabuli_chr05	41191156	AA	GG	1940345956
SNP_P1_104112_41191469	NC_021164.1	Ca_kabuli_chr05	41191469	AA	CC	1940345957
SNP_P1_104115_41227201	NC_021164.1	Ca_kabuli_chr05	41227201	TT	CC	1940345959
SNP_P1_104116_41227203	NC_021164.1	Ca_kabuli_chr05	41227203	AA	CC	1940345961
SNP_P1_104119_41257680	NC_021164.1	Ca_kabuli_chr05	41257680	TT	GG	1940345962
SNP_P1_104120_41259045	NC_021164.1	Ca_kabuli_chr05	41259045	AA	GG	1940345964
SNP_P1_104121_41259220	NC_021164.1	Ca_kabuli_chr05	41259220	GG	TT	1940345966
SNP_P1_104122_41276917	NC_021164.1	Ca_kabuli_chr05	41276917	AA	GG	1940345968
SNP_P1_104123_41279896	NC_021164.1	Ca_kabuli_chr05	41279896	GG	AA	1940345969
SNP_P1_104124_41304734	NC_021164.1	Ca_kabuli_chr05	41304734	CC	AA	1940345971
SNP_P1_104125_41319216	NC_021164.1	Ca_kabuli_chr05	41319216	CC	TT	1940345973
SNP_P1_104127_41334027	NC_021164.1	Ca_kabuli_chr05	41334027	GG	CC	1940345975
SNP_P1_104128_41337557	NC_021164.1	Ca_kabuli_chr05	41337557	TT	CC	1940345976
SNP_P1_104129_41337585	NC_021164.1	Ca_kabuli_chr05	41337585	TT	AA	1940345978
SNP_P1_104130_41348630	NC_021164.1	Ca_kabuli_chr05	41348630	GG	AA	1940345980
SNP_P1_104133_41354124	NC_021164.1	Ca_kabuli_chr05	41354124	AA	GG	1940345981
SNP_P1_104134_41358333	NC_021164.1	Ca_kabuli_chr05	41358333	CC	TT	1940345983
SNP_P1_104135_41389635	NC_021164.1	Ca_kabuli_chr05	41389635	TT	CC	1940345985
SNP_P1_104136_41422814	NC_021164.1	Ca_kabuli_chr05	41422814	AA	TT	1940345987
SNP_P1_104137_41422942	NC_021164.1	Ca_kabuli_chr05	41422942	CC	TT	1940345988
SNP_P1_104138_41423192	NC_021164.1	Ca_kabuli_chr05	41423192	GG	AA	1940345990
SNP_P1_104139_41423210	NC_021164.1	Ca_kabuli_chr05	41423210	TT	CC	1940345992
SNP_P1_104140_41424956	NC_021164.1	Ca_kabuli_chr05	41424956	CC	AA	1940345993
SNP_P1_104141_41428708	NC_021164.1	Ca_kabuli_chr05	41428708	CC	TT	1940345995
SNP_P1_104142_41428757	NC_021164.1	Ca_kabuli_chr05	41428757	AA	TT	1940345997
SNP_P1_104144_41428873	NC_021164.1	Ca_kabuli_chr05	41428873	AA	GG	1940345999
SNP_P1_104145_41428877	NC_021164.1	Ca_kabuli_chr05	41428877	TT	AA	1940346000
SNP_P1_104146_41428967	NC_021164.1	Ca_kabuli_chr05	41428967	GG	AA	1940346002
SNP_P1_104147_41428996	NC_021164.1	Ca_kabuli_chr05	41428996	AA	GG	1940346004
SNP_P1_104148_41429016	NC_021164.1	Ca_kabuli_chr05	41429016	TT	AA	1940346006
SNP_P1_104149_41429097	NC_021164.1	Ca_kabuli_chr05	41429097	AA	GG	1940346007
SNP_P1_104150_41429142	NC_021164.1	Ca_kabuli_chr05	41429142	GG	AA	1940346009
SNP_P1_104151_41430852	NC_021164.1	Ca_kabuli_chr05	41430852	TT	CC	1940346011

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104153_41436544	NC_021164.1	Ca_kabuli_chr05	41436544	AA	GG	1940346014
SNP_P1_104154_41438070	NC_021164.1	Ca_kabuli_chr05	41438070	GG	CC	1940346016
SNP_P1_104155_41438099	NC_021164.1	Ca_kabuli_chr05	41438099	GG	TT	1940346018
SNP_P1_104158_41460606	NC_021164.1	Ca_kabuli_chr05	41460606	AA	TT	1940346019
SNP_P1_104159_41460608	NC_021164.1	Ca_kabuli_chr05	41460608	GG	AA	1940346021
SNP_P1_104160_41460611	NC_021164.1	Ca_kabuli_chr05	41460611	GG	CC	1940346023
SNP_P1_104161_41461009	NC_021164.1	Ca_kabuli_chr05	41461009	TT	AA	1940346024
SNP_P1_104162_41463557	NC_021164.1	Ca_kabuli_chr05	41463557	TT	CC	1940346026
SNP_P1_104163_41463574	NC_021164.1	Ca_kabuli_chr05	41463574	TT	CC	1940346028
SNP_P1_104164_41463600	NC_021164.1	Ca_kabuli_chr05	41463600	CC	AA	1940346030
SNP_P1_104165_41463611	NC_021164.1	Ca_kabuli_chr05	41463611	GG	AA	1940346031
SNP_P1_104166_41463788	NC_021164.1	Ca_kabuli_chr05	41463788	TT	GG	1940346033
SNP_P1_104168_41467616	NC_021164.1	Ca_kabuli_chr05	41467616	CC	AA	1940346035
SNP_P1_104170_41467871	NC_021164.1	Ca_kabuli_chr05	41467871	TT	GG	1940346037
SNP_P1_104171_41467907	NC_021164.1	Ca_kabuli_chr05	41467907	AA	TT	1940346038
SNP_P1_104172_41467933	NC_021164.1	Ca_kabuli_chr05	41467933	TT	AA	1940346040
SNP_P1_104173_41467937	NC_021164.1	Ca_kabuli_chr05	41467937	CC	TT	1940346042
SNP_P1_104175_41468132	NC_021164.1	Ca_kabuli_chr05	41468132	AA	GG	1940346043
SNP_P1_104176_41468154	NC_021164.1	Ca_kabuli_chr05	41468154	AA	CC	1940346045
SNP_P1_104177_41468176	NC_021164.1	Ca_kabuli_chr05	41468176	GG	AA	1940346047
SNP_P1_104178_41468583	NC_021164.1	Ca_kabuli_chr05	41468583	AA	TT	1940346049
SNP_P1_104179_41468621	NC_021164.1	Ca_kabuli_chr05	41468621	GG	TT	1940346050
SNP_P1_104180_41468632	NC_021164.1	Ca_kabuli_chr05	41468632	CC	TT	1940346052
SNP_P1_104181_41468871	NC_021164.1	Ca_kabuli_chr05	41468871	GG	AA	1940346054
SNP_P1_104182_41468900	NC_021164.1	Ca_kabuli_chr05	41468900	GG	CC	1940346055
SNP_P1_104183_41477660	NC_021164.1	Ca_kabuli_chr05	41477660	TT	CC	1940346057
SNP_P1_104184_41477692	NC_021164.1	Ca_kabuli_chr05	41477692	TT	GG	1940346059
SNP_P1_104188_41564254	NC_021164.1	Ca_kabuli_chr05	41564254	TT	AA	1940346061
SNP_P1_104189_41570964	NC_021164.1	Ca_kabuli_chr05	41570964	AA	CC	1940346062
SNP_P1_104190_41571426	NC_021164.1	Ca_kabuli_chr05	41571426	CC	AA	1940346064
SNP_P1_104191_41571428	NC_021164.1	Ca_kabuli_chr05	41571428	AA	TT	1940346066
SNP_P1_104193_41580496	NC_021164.1	Ca_kabuli_chr05	41580496	CC	AA	1940346068
SNP_P1_104194_41585767	NC_021164.1	Ca_kabuli_chr05	41585767	AA	GG	1940346069
SNP_P1_104195_41586247	NC_021164.1	Ca_kabuli_chr05	41586247	TT	CC	1940346071
SNP_P1_104196_41591868	NC_021164.1	Ca_kabuli_chr05	41591868	AA	GG	1940346073
SNP_P1_104197_41601879	NC_021164.1	Ca_kabuli_chr05	41601879	TT	CC	1940346074
SNP_P1_104200_41613728	NC_021164.1	Ca_kabuli_chr05	41613728	CC	GG	1940346076
SNP_P1_104202_41639674	NC_021164.1	Ca_kabuli_chr05	41639674	CC	GG	1940346078
SNP_P1_104203_41643697	NC_021164.1	Ca_kabuli_chr05	41643697	TT	AA	1940346080
SNP_P1_104204_41644262	NC_021164.1	Ca_kabuli_chr05	41644262	AA	GG	1940346081
SNP_P1_104205_41644340	NC_021164.1	Ca_kabuli_chr05	41644340	AA	GG	1940346083

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104208_41677716	NC_021164.1	Ca_kabuli_chr05	41677716	TT	AA	1940346087
SNP_P1_104209_41677766	NC_021164.1	Ca_kabuli_chr05	41677766	CC	AA	1940346088
SNP_P1_104210_41677773	NC_021164.1	Ca_kabuli_chr05	41677773	TT	CC	1940346090
SNP_P1_104211_41677928	NC_021164.1	Ca_kabuli_chr05	41677928	CC	AA	1940346092
SNP_P1_104212_41677966	NC_021164.1	Ca_kabuli_chr05	41677966	TT	GG	1940346094
SNP_P1_104213_41677967	NC_021164.1	Ca_kabuli_chr05	41677967	AA	TT	1940346095
SNP_P1_104214_41677979	NC_021164.1	Ca_kabuli_chr05	41677979	CC	AA	1940346097
SNP_P1_104215_41678072	NC_021164.1	Ca_kabuli_chr05	41678072	AA	TT	1940346099
SNP_P1_104217_41708896	NC_021164.1	Ca_kabuli_chr05	41708896	GG	AA	1940346100
SNP_P1_104218_41727574	NC_021164.1	Ca_kabuli_chr05	41727574	GG	AA	1940346102
SNP_P1_104219_41758487	NC_021164.1	Ca_kabuli_chr05	41758487	AA	CC	1940346104
SNP_P1_104220_41760226	NC_021164.1	Ca_kabuli_chr05	41760226	CC	TT	1940346106
SNP_P1_104221_41760230	NC_021164.1	Ca_kabuli_chr05	41760230	AA	TT	1940346107
SNP_P1_104222_41776418	NC_021164.1	Ca_kabuli_chr05	41776418	GG	AA	1940346109
SNP_P1_104223_41778523	NC_021164.1	Ca_kabuli_chr05	41778523	AA	GG	1940346111
SNP_P1_104225_41794813	NC_021164.1	Ca_kabuli_chr05	41794813	TT	GG	1940346112
SNP_P1_104226_41795075	NC_021164.1	Ca_kabuli_chr05	41795075	CC	TT	1940346114
SNP_P1_104227_41795326	NC_021164.1	Ca_kabuli_chr05	41795326	AA	GG	1940346116
SNP_P1_104228_41795560	NC_021164.1	Ca_kabuli_chr05	41795560	CC	GG	1940346118
SNP_P1_104229_41795694	NC_021164.1	Ca_kabuli_chr05	41795694	GG	AA	1940346119
SNP_P1_104231_41797922	NC_021164.1	Ca_kabuli_chr05	41797922	GG	AA	1940346121
SNP_P1_104232_41800062	NC_021164.1	Ca_kabuli_chr05	41800062	AA	GG	1940346123
SNP_P1_104233_41801270	NC_021164.1	Ca_kabuli_chr05	41801270	TT	CC	1940346125
SNP_P1_104234_41812775	NC_021164.1	Ca_kabuli_chr05	41812775	GG	TT	1940346126
SNP_P1_104235_41813446	NC_021164.1	Ca_kabuli_chr05	41813446	AA	TT	1940346128
SNP_P1_104236_41818007	NC_021164.1	Ca_kabuli_chr05	41818007	TT	AA	1940346130
SNP_P1_104237_41826611	NC_021164.1	Ca_kabuli_chr05	41826611	AA	GG	1940346131
SNP_P1_104242_41858861	NC_021164.1	Ca_kabuli_chr05	41858861	TT	AA	1940346133
SNP_P1_104243_41859027	NC_021164.1	Ca_kabuli_chr05	41859027	GG	AA	1940346135
SNP_P1_104244_41859175	NC_021164.1	Ca_kabuli_chr05	41859175	CC	AA	1940346137
SNP_P1_104245_41896537	NC_021164.1	Ca_kabuli_chr05	41896537	CC	TT	1940346138
SNP_P1_104246_41909968	NC_021164.1	Ca_kabuli_chr05	41909968	TT	AA	1940346140
SNP_P1_104247_41919777	NC_021164.1	Ca_kabuli_chr05	41919777	GG	AA	1940346142
SNP_P1_104248_41922057	NC_021164.1	Ca_kabuli_chr05	41922057	AA	CC	1940346143
SNP_P1_104250_41949343	NC_021164.1	Ca_kabuli_chr05	41949343	GG	TT	1940346145
SNP_P1_104251_41953239	NC_021164.1	Ca_kabuli_chr05	41953239	TT	AA	1940346147
SNP_P1_104252_41953240	NC_021164.1	Ca_kabuli_chr05	41953240	TT	CC	1940346149
SNP_P1_104253_41953245	NC_021164.1	Ca_kabuli_chr05	41953245	AA	GG	1940346150
SNP_P1_104254_41953253	NC_021164.1	Ca_kabuli_chr05	41953253	TT	CC	1940346152
SNP_P1_104255_41953294	NC_021164.1	Ca_kabuli_chr05	41953294	GG	CC	1940346154
SNP_P1_104256_41953296	NC_021164.1	Ca_kabuli_chr05	41953296	AA	GG	1940346156

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104259_41967738	NC_021164.1	Ca_kabuli_chr05	41967738	GG	AA	1940346159
SNP_P1_104261_41992570	NC_021164.1	Ca_kabuli_chr05	41992570	GG	AA	1940346161
SNP_P1_104262_41994786	NC_021164.1	Ca_kabuli_chr05	41994786	TT	GG	1940346162
SNP_P1_104263_42006680	NC_021164.1	Ca_kabuli_chr05	42006680	AA	GG	1940346164
SNP_P1_104265_42014869	NC_021164.1	Ca_kabuli_chr05	42014869	AA	TT	1940346166
SNP_P1_104266_42026227	NC_021164.1	Ca_kabuli_chr05	42026227	AA	GG	1940346168
SNP_P1_104267_42065967	NC_021164.1	Ca_kabuli_chr05	42065967	AA	GG	1940346169
SNP_P1_104269_42071808	NC_021164.1	Ca_kabuli_chr05	42071808	CC	TT	1940346171
SNP_P1_104270_42071926	NC_021164.1	Ca_kabuli_chr05	42071926	TT	AA	1940346173
SNP_P1_104271_42076253	NC_021164.1	Ca_kabuli_chr05	42076253	TT	CC	1940346175
SNP_P1_104272_42081209	NC_021164.1	Ca_kabuli_chr05	42081209	AA	GG	1940346176
SNP_P1_104274_42096054	NC_021164.1	Ca_kabuli_chr05	42096054	TT	AA	1940346178
SNP_P1_104275_42096495	NC_021164.1	Ca_kabuli_chr05	42096495	CC	TT	1940346180
SNP_P1_104276_42113199	NC_021164.1	Ca_kabuli_chr05	42113199	CC	TT	1940346181
SNP_P1_104278_42129001	NC_021164.1	Ca_kabuli_chr05	42129001	TT	AA	1940346183
SNP_P1_104279_42149293	NC_021164.1	Ca_kabuli_chr05	42149293	CC	TT	1940346185
SNP_P1_104281_42216301	NC_021164.1	Ca_kabuli_chr05	42216301	CC	AA	1940346187
SNP_P1_104283_42216917	NC_021164.1	Ca_kabuli_chr05	42216917	CC	TT	1940346188
SNP_P1_104285_42227443	NC_021164.1	Ca_kabuli_chr05	42227443	AA	CC	1940346190
SNP_P1_104288_42241030	NC_021164.1	Ca_kabuli_chr05	42241030	AA	GG	1940346192
SNP_P1_104289_42241279	NC_021164.1	Ca_kabuli_chr05	42241279	AA	TT	1940346194
SNP_P1_104290_42241290	NC_021164.1	Ca_kabuli_chr05	42241290	TT	CC	1940346195
SNP_P1_104291_42246859	NC_021164.1	Ca_kabuli_chr05	42246859	GG	TT	1940346197
SNP_P1_104294_42299075	NC_021164.1	Ca_kabuli_chr05	42299075	GG	AA	1940346199
SNP_P1_104295_42315059	NC_021164.1	Ca_kabuli_chr05	42315059	TT	CC	1940346200
SNP_P1_104296_42315361	NC_021164.1	Ca_kabuli_chr05	42315361	AA	GG	1940346202
SNP_P1_104297_42315448	NC_021164.1	Ca_kabuli_chr05	42315448	CC	TT	1940346204
SNP_P1_104298_42326427	NC_021164.1	Ca_kabuli_chr05	42326427	AA	GG	1940346206
SNP_P1_104299_42342052	NC_021164.1	Ca_kabuli_chr05	42342052	AA	TT	1940346207
SNP_P1_104300_42357292	NC_021164.1	Ca_kabuli_chr05	42357292	AA	TT	1940346209
SNP_P1_104301_42370848	NC_021164.1	Ca_kabuli_chr05	42370848	GG	AA	1940346211
SNP_P1_104302_42370866	NC_021164.1	Ca_kabuli_chr05	42370866	CC	AA	1940346212
SNP_P1_104304_42392616	NC_021164.1	Ca_kabuli_chr05	42392616	AA	GG	1940346214
SNP_P1_104305_42392668	NC_021164.1	Ca_kabuli_chr05	42392668	GG	CC	1940346216
SNP_P1_104306_42392768	NC_021164.1	Ca_kabuli_chr05	42392768	AA	TT	1940346218
SNP_P1_104307_42392942	NC_021164.1	Ca_kabuli_chr05	42392942	GG	CC	1940346219
SNP_P1_104308_42407559	NC_021164.1	Ca_kabuli_chr05	42407559	AA	GG	1940346221
SNP_P1_104311_42432125	NC_021164.1	Ca_kabuli_chr05	42432125	TT	AA	1940346223
SNP_P1_104314_42552140	NC_021164.1	Ca_kabuli_chr05	42552140	TT	CC	1940346225
SNP_P1_104316_42584544	NC_021164.1	Ca_kabuli_chr05	42584544	TT	CC	1940346226
SNP_P1_104317_42627458	NC_021164.1	Ca_kabuli_chr05	42627458	TT	CC	1940346228

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104320_42643621	NC_021164.1	Ca_kabuli_chr05	42643621	AA	TT	1940346231
SNP_P1_104321_42644853	NC_021164.1	Ca_kabuli_chr05	42644853	AA	GG	1940346233
SNP_P1_104325_42670809	NC_021164.1	Ca_kabuli_chr05	42670809	TT	CC	1940346235
SNP_P1_104326_42674007	NC_021164.1	Ca_kabuli_chr05	42674007	TT	GG	1940346237
SNP_P1_104328_42766682	NC_021164.1	Ca_kabuli_chr05	42766682	GG	AA	1940346238
SNP_P1_104329_42770591	NC_021164.1	Ca_kabuli_chr05	42770591	AA	CC	1940346240
SNP_P1_104330_42794032	NC_021164.1	Ca_kabuli_chr05	42794032	TT	CC	1940346242
SNP_P1_104331_42827798	NC_021164.1	Ca_kabuli_chr05	42827798	AA	GG	1940346244
SNP_P1_104332_42835362	NC_021164.1	Ca_kabuli_chr05	42835362	GG	TT	1940346245
SNP_P1_104333_42838374	NC_021164.1	Ca_kabuli_chr05	42838374	AA	TT	1940346247
SNP_P1_104334_42843934	NC_021164.1	Ca_kabuli_chr05	42843934	CC	AA	1940346249
SNP_P1_104335_42853055	NC_021164.1	Ca_kabuli_chr05	42853055	TT	AA	1940346250
SNP_P1_104336_42853056	NC_021164.1	Ca_kabuli_chr05	42853056	TT	AA	1940346252
SNP_P1_104337_42884802	NC_021164.1	Ca_kabuli_chr05	42884802	AA	GG	1940346254
SNP_P1_104338_42894438	NC_021164.1	Ca_kabuli_chr05	42894438	TT	AA	1940346256
SNP_P1_104339_42899902	NC_021164.1	Ca_kabuli_chr05	42899902	TT	CC	1940346257
SNP_P1_104340_42900130	NC_021164.1	Ca_kabuli_chr05	42900130	AA	CC	1940346259
SNP_P1_104341_42900134	NC_021164.1	Ca_kabuli_chr05	42900134	AA	CC	1940346261
SNP_P1_104343_42917204	NC_021164.1	Ca_kabuli_chr05	42917204	AA	GG	1940346263
SNP_P1_104344_42951908	NC_021164.1	Ca_kabuli_chr05	42951908	AA	TT	1940346264
SNP_P1_104346_42992875	NC_021164.1	Ca_kabuli_chr05	42992875	CC	GG	1940346266
SNP_P1_104347_43043680	NC_021164.1	Ca_kabuli_chr05	43043680	CC	TT	1940346268
SNP_P1_104348_43050871	NC_021164.1	Ca_kabuli_chr05	43050871	AA	GG	1940346269
SNP_P1_104350_43054251	NC_021164.1	Ca_kabuli_chr05	43054251	TT	GG	1940346271
SNP_P1_104352_43074521	NC_021164.1	Ca_kabuli_chr05	43074521	CC	TT	1940346273
SNP_P1_104353_43074539	NC_021164.1	Ca_kabuli_chr05	43074539	GG	AA	1940346275
SNP_P1_104355_43180828	NC_021164.1	Ca_kabuli_chr05	43180828	TT	CC	1940346276
SNP_P1_104356_43279954	NC_021164.1	Ca_kabuli_chr05	43279954	GG	AA	1940346278
SNP_P1_104357_43285714	NC_021164.1	Ca_kabuli_chr05	43285714	CC	AA	1940346280
SNP_P1_104359_43306570	NC_021164.1	Ca_kabuli_chr05	43306570	GG	AA	1940346282
SNP_P1_104362_43367091	NC_021164.1	Ca_kabuli_chr05	43367091	AA	CC	1940346283
SNP_P1_104363_43376257	NC_021164.1	Ca_kabuli_chr05	43376257	AA	GG	1940346285
SNP_P1_104364_43397140	NC_021164.1	Ca_kabuli_chr05	43397140	AA	CC	1940346287
SNP_P1_104365_43417950	NC_021164.1	Ca_kabuli_chr05	43417950	TT	CC	1940346288
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SNP_P1_104367_43419690	NC_021164.1	Ca_kabuli_chr05	43419690	AA	TT	1940346292
SNP_P1_104368_43420230	NC_021164.1	Ca_kabuli_chr05	43420230	GG	TT	1940346294
SNP_P1_104369_43426338	NC_021164.1	Ca_kabuli_chr05	43426338	GG	AA	1940346295
SNP_P1_104370_43442857	NC_021164.1	Ca_kabuli_chr05	43442857	GG	TT	1940346297
SNP_P1_104373_43464115	NC_021164.1	Ca_kabuli_chr05	43464115	GG	CC	1940346299
SNP_P1_104375_43480956	NC_021164.1	Ca_kabuli_chr05	43480956	GG	TT	1940346301

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104377_43481069	NC_021164.1	Ca_kabuli_chr05	43481069	TT	CC	1940346304
SNP_P1_104378_43481098	NC_021164.1	Ca_kabuli_chr05	43481098	AA	CC	1940346306
SNP_P1_104379_43481216	NC_021164.1	Ca_kabuli_chr05	43481216	GG	AA	1940346307
SNP_P1_104380_43481263	NC_021164.1	Ca_kabuli_chr05	43481263	CC	AA	1940346309
SNP_P1_104381_43481378	NC_021164.1	Ca_kabuli_chr05	43481378	GG	AA	1940346311
SNP_P1_104382_43481495	NC_021164.1	Ca_kabuli_chr05	43481495	CC	AA	1940346313
SNP_P1_104383_43489120	NC_021164.1	Ca_kabuli_chr05	43489120	GG	AA	1940346314
SNP_P1_104384_43489129	NC_021164.1	Ca_kabuli_chr05	43489129	AA	TT	1940346316
SNP_P1_104385_43504965	NC_021164.1	Ca_kabuli_chr05	43504965	CC	TT	1940346318
SNP_P1_104386_43515055	NC_021164.1	Ca_kabuli_chr05	43515055	AA	GG	1940346319
SNP_P1_104387_43528304	NC_021164.1	Ca_kabuli_chr05	43528304	AA	TT	1940346321
SNP_P1_104388_43550425	NC_021164.1	Ca_kabuli_chr05	43550425	CC	AA	1940346323
SNP_P1_104390_43571119	NC_021164.1	Ca_kabuli_chr05	43571119	AA	GG	1940346325
SNP_P1_104391_43574420	NC_021164.1	Ca_kabuli_chr05	43574420	TT	AA	1940346326
SNP_P1_104392_43574801	NC_021164.1	Ca_kabuli_chr05	43574801	GG	AA	1940346328
SNP_P1_104393_43575072	NC_021164.1	Ca_kabuli_chr05	43575072	GG	AA	1940346330
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SNP_P1_104412_43729475	NC_021164.1	Ca_kabuli_chr05	43729475	CC	TT	1940346354
SNP_P1_104414_43734272	NC_021164.1	Ca_kabuli_chr05	43734272	GG	TT	1940346356
SNP_P1_104415_43734502	NC_021164.1	Ca_kabuli_chr05	43734502	CC	GG	1940346357
SNP_P1_104416_43749741	NC_021164.1	Ca_kabuli_chr05	43749741	TT	CC	1940346359
SNP_P1_104417_43777080	NC_021164.1	Ca_kabuli_chr05	43777080	TT	GG	1940346361
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SNP_P1_104420_43839357	NC_021164.1	Ca_kabuli_chr05	43839357	CC	TT	1940346364
SNP_P1_104421_43863564	NC_021164.1	Ca_kabuli_chr05	43863564	AA	CC	1940346366
SNP_P1_104422_43871751	NC_021164.1	Ca_kabuli_chr05	43871751	AA	TT	1940346368
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SNP_P1_104425_43904726	NC_021164.1	Ca_kabuli_chr05	43904726	TT	CC	1940346371
SNP_P1_104426_43904849	NC_021164.1	Ca_kabuli_chr05	43904849	TT	CC	1940346373

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104430_43905233	NC_021164.1	Ca_kabuli_chr05	43905233	TT	CC	1940346380
SNP_P1_104431_43905274	NC_021164.1	Ca_kabuli_chr05	43905274	TT	AA	1940346382
SNP_P1_104432_43905358	NC_021164.1	Ca_kabuli_chr05	43905358	AA	GG	1940346383
SNP_P1_104433_43910241	NC_021164.1	Ca_kabuli_chr05	43910241	GG	AA	1940346385
SNP_P1_104434_43918801	NC_021164.1	Ca_kabuli_chr05	43918801	AA	CC	1940346387
SNP_P1_104435_43918828	NC_021164.1	Ca_kabuli_chr05	43918828	GG	TT	1940346388
SNP_P1_104436_43918840	NC_021164.1	Ca_kabuli_chr05	43918840	TT	AA	1940346390
SNP_P1_104437_43918865	NC_021164.1	Ca_kabuli_chr05	43918865	AA	TT	1940346392
SNP_P1_104438_43918874	NC_021164.1	Ca_kabuli_chr05	43918874	GG	AA	1940346394
SNP_P1_104439_43918930	NC_021164.1	Ca_kabuli_chr05	43918930	GG	AA	1940346395
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SNP_P1_104445_43919760	NC_021164.1	Ca_kabuli_chr05	43919760	AA	GG	1940346404
SNP_P1_104446_43919764	NC_021164.1	Ca_kabuli_chr05	43919764	AA	CC	1940346406
SNP_P1_104447_43919802	NC_021164.1	Ca_kabuli_chr05	43919802	AA	TT	1940346407
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SNP_P1_104450_43920732	NC_021164.1	Ca_kabuli_chr05	43920732	TT	CC	1940346413
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SNP_P1_104452_43920754	NC_021164.1	Ca_kabuli_chr05	43920754	CC	TT	1940346416
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SNP_P1_104455_43920853	NC_021164.1	Ca_kabuli_chr05	43920853	TT	CC	1940346421
SNP_P1_104456_43920890	NC_021164.1	Ca_kabuli_chr05	43920890	TT	AA	1940346423
SNP_P1_104457_43921026	NC_021164.1	Ca_kabuli_chr05	43921026	CC	TT	1940346425
SNP_P1_104458_43921030	NC_021164.1	Ca_kabuli_chr05	43921030	CC	AA	1940346426
SNP_P1_104459_43921062	NC_021164.1	Ca_kabuli_chr05	43921062	TT	AA	1940346428
SNP_P1_104460_43921068	NC_021164.1	Ca_kabuli_chr05	43921068	TT	CC	1940346430
SNP_P1_104462_43921172	NC_021164.1	Ca_kabuli_chr05	43921172	CC	TT	1940346431
SNP_P1_104463_43921769	NC_021164.1	Ca_kabuli_chr05	43921769	TT	GG	1940346433
SNP_P1_104464_43923523	NC_021164.1	Ca_kabuli_chr05	43923523	AA	GG	1940346435
SNP_P1_104466_44081311	NC_021164.1	Ca_kabuli_chr05	44081311	TT	CC	1940346437
SNP_P1_104468_44091932	NC_021164.1	Ca_kabuli_chr05	44091932	GG	AA	1940346438
SNP_P1_104469_44092959	NC_021164.1	Ca_kabuli_chr05	44092959	AA	GG	1940346440
SNP_P1_104470_44103813	NC_021164.1	Ca_kabuli_chr05	44103813	GG	AA	1940346442
SNP_P1_104471_44132434	NC_021164.1	Ca_kabuli_chr05	44132434	TT	CC	1940346444
SNP_P1_104473_44170131	NC_021164.1	Ca_kabuli_chr05	44170131	AA	TT	1940346445

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104476_44207638	NC_021164.1	Ca_kabuli_chr05	44207638	CC	TT	1940346449
SNP_P1_104477_44207678	NC_021164.1	Ca_kabuli_chr05	44207678	TT	CC	1940346450
SNP_P1_104478_44207697	NC_021164.1	Ca_kabuli_chr05	44207697	GG	TT	1940346452
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SNP_P1_104480_44208728	NC_021164.1	Ca_kabuli_chr05	44208728	TT	CC	1940346456
SNP_P1_104482_44209146	NC_021164.1	Ca_kabuli_chr05	44209146	AA	GG	1940346457
SNP_P1_104483_44209559	NC_021164.1	Ca_kabuli_chr05	44209559	CC	AA	1940346459
SNP_P1_104484_44209737	NC_021164.1	Ca_kabuli_chr05	44209737	TT	GG	1940346461
SNP_P1_104485_44209743	NC_021164.1	Ca_kabuli_chr05	44209743	GG	AA	1940346463
SNP_P1_104486_44209794	NC_021164.1	Ca_kabuli_chr05	44209794	TT	AA	1940346464
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SNP_P1_104492_44211645	NC_021164.1	Ca_kabuli_chr05	44211645	TT	CC	1940346473
SNP_P1_104493_44211648	NC_021164.1	Ca_kabuli_chr05	44211648	CC	TT	1940346475
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SNP_P1_104495_44211673	NC_021164.1	Ca_kabuli_chr05	44211673	AA	GG	1940346478
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SNP_P1_104497_44211706	NC_021164.1	Ca_kabuli_chr05	44211706	AA	GG	1940346481
SNP_P1_104498_44217622	NC_021164.1	Ca_kabuli_chr05	44217622	TT	GG	1940346483
SNP_P1_104499_44219245	NC_021164.1	Ca_kabuli_chr05	44219245	TT	AA	1940346485
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SNP_P1_104501_44237479	NC_021164.1	Ca_kabuli_chr05	44237479	TT	GG	1940346488
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SNP_P1_104504_44244241	NC_021164.1	Ca_kabuli_chr05	44244241	AA	CC	1940346492
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SNP_P1_104515_44528090	NC_021164.1	Ca_kabuli_chr05	44528090	TT	GG	1940346507
SNP_P1_104516_44539408	NC_021164.1	Ca_kabuli_chr05	44539408	CC	AA	1940346509
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SNP_P1_104518_44591877	NC_021164.1	Ca_kabuli_chr05	44591877	CC	AA	1940346512
SNP_P1_104519_44592006	NC_021164.1	Ca_kabuli_chr05	44592006	TT	GG	1940346514
SNP_P1_104520_44592007	NC_021164.1	Ca_kabuli_chr05	44592007	AA	GG	1940346516
SNP_P1_104521_44592012	NC_021164.1	Ca_kabuli_chr05	44592012	TT	AA	1940346518

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104523_44592097	NC_021164.1	Ca_kabuli_chr05	44592097	CC	AA	1940346521
SNP_P1_104524_44592121	NC_021164.1	Ca_kabuli_chr05	44592121	TT	GG	1940346523
SNP_P1_104525_44596762	NC_021164.1	Ca_kabuli_chr05	44596762	TT	AA	1940346524
SNP_P1_104526_44596763	NC_021164.1	Ca_kabuli_chr05	44596763	TT	AA	1940346526
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SNP_P1_104530_44597003	NC_021164.1	Ca_kabuli_chr05	44597003	CC	TT	1940346531
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SNP_P1_104541_44775282	NC_021164.1	Ca_kabuli_chr05	44775282	TT	CC	1940346543
SNP_P1_104543_44830067	NC_021164.1	Ca_kabuli_chr05	44830067	AA	GG	1940346545
SNP_P1_104544_44834925	NC_021164.1	Ca_kabuli_chr05	44834925	GG	TT	1940346547
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SNP_P1_104547_44844467	NC_021164.1	Ca_kabuli_chr05	44844467	CC	TT	1940346550
SNP_P1_104548_44906511	NC_021164.1	Ca_kabuli_chr05	44906511	TT	CC	1940346552
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SNP_P1_104550_44929736	NC_021164.1	Ca_kabuli_chr05	44929736	TT	CC	1940346555
SNP_P1_104552_44947416	NC_021164.1	Ca_kabuli_chr05	44947416	CC	TT	1940346557
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SNP_P1_104559_45038241	NC_021164.1	Ca_kabuli_chr05	45038241	GG	AA	1940346569
SNP_P1_104561_45073495	NC_021164.1	Ca_kabuli_chr05	45073495	TT	AA	1940346571
SNP_P1_104563_45086457	NC_021164.1	Ca_kabuli_chr05	45086457	AA	GG	1940346573
SNP_P1_104564_45086611	NC_021164.1	Ca_kabuli_chr05	45086611	AA	TT	1940346574
SNP_P1_104565_45086818	NC_021164.1	Ca_kabuli_chr05	45086818	CC	TT	1940346576
SNP_P1_104567_45087028	NC_021164.1	Ca_kabuli_chr05	45087028	CC	TT	1940346578
SNP_P1_104569_45087153	NC_021164.1	Ca_kabuli_chr05	45087153	TT	CC	1940346579
SNP_P1_104572_45094142	NC_021164.1	Ca_kabuli_chr05	45094142	GG	AA	1940346581
SNP_P1_104573_45094172	NC_021164.1	Ca_kabuli_chr05	45094172	AA	GG	1940346583
SNP_P1_104574_45094175	NC_021164.1	Ca_kabuli_chr05	45094175	AA	CC	1940346585
SNP_P1_104575_45094248	NC_021164.1	Ca_kabuli_chr05	45094248	AA	GG	1940346586
SNP_P1_104576_45094324	NC_021164.1	Ca_kabuli_chr05	45094324	TT	AA	1940346588
SNP_P1_104577_45094365	NC_021164.1	Ca_kabuli_chr05	45094365	CC	TT	1940346590

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104580_45095254	NC_021164.1	Ca_kabuli_chr05	45095254	AA	GG	1940346593
SNP_P1_104581_45095394	NC_021164.1	Ca_kabuli_chr05	45095394	CC	GG	1940346595
SNP_P1_104582_45095467	NC_021164.1	Ca_kabuli_chr05	45095467	CC	AA	1940346597
SNP_P1_104583_45095556	NC_021164.1	Ca_kabuli_chr05	45095556	CC	TT	1940346598
SNP_P1_104584_45095566	NC_021164.1	Ca_kabuli_chr05	45095566	CC	GG	1940346600
SNP_P1_104585_45096025	NC_021164.1	Ca_kabuli_chr05	45096025	GG	AA	1940346602
SNP_P1_104586_45096272	NC_021164.1	Ca_kabuli_chr05	45096272	GG	AA	1940346604
SNP_P1_104587_45097448	NC_021164.1	Ca_kabuli_chr05	45097448	GG	AA	1940346605
SNP_P1_104588_45097741	NC_021164.1	Ca_kabuli_chr05	45097741	AA	CC	1940346607
SNP_P1_104589_45097789	NC_021164.1	Ca_kabuli_chr05	45097789	TT	AA	1940346609
SNP_P1_104591_45098761	NC_021164.1	Ca_kabuli_chr05	45098761	TT	CC	1940346611
SNP_P1_104592_45099319	NC_021164.1	Ca_kabuli_chr05	45099319	AA	GG	1940346612
SNP_P1_104593_45103103	NC_021164.1	Ca_kabuli_chr05	45103103	GG	AA	1940346614
SNP_P1_104594_45103704	NC_021164.1	Ca_kabuli_chr05	45103704	CC	TT	1940346616
SNP_P1_104595_45106869	NC_021164.1	Ca_kabuli_chr05	45106869	GG	AA	1940346617
SNP_P1_104597_45130673	NC_021164.1	Ca_kabuli_chr05	45130673	GG	AA	1940346619
SNP_P1_104599_45140212	NC_021164.1	Ca_kabuli_chr05	45140212	TT	CC	1940346621
SNP_P1_104601_45206277	NC_021164.1	Ca_kabuli_chr05	45206277	CC	GG	1940346623
SNP_P1_104602_45207448	NC_021164.1	Ca_kabuli_chr05	45207448	CC	TT	1940346624
SNP_P1_104603_45235849	NC_021164.1	Ca_kabuli_chr05	45235849	CC	TT	1940346626
SNP_P1_104605_45257316	NC_021164.1	Ca_kabuli_chr05	45257316	GG	TT	1940346628
SNP_P1_104606_45338485	NC_021164.1	Ca_kabuli_chr05	45338485	TT	AA	1940346629
SNP_P1_104608_45364920	NC_021164.1	Ca_kabuli_chr05	45364920	AA	CC	1940346631
SNP_P1_104609_45364922	NC_021164.1	Ca_kabuli_chr05	45364922	AA	GG	1940346633
SNP_P1_104610_45380947	NC_021164.1	Ca_kabuli_chr05	45380947	GG	AA	1940346635
SNP_P1_104611_45401902	NC_021164.1	Ca_kabuli_chr05	45401902	TT	GG	1940346636
SNP_P1_104613_45438671	NC_021164.1	Ca_kabuli_chr05	45438671	CC	TT	1940346638
SNP_P1_104614_45449512	NC_021164.1	Ca_kabuli_chr05	45449512	GG	AA	1940346640
SNP_P1_104617_45471185	NC_021164.1	Ca_kabuli_chr05	45471185	TT	CC	1940346641
SNP_P1_104619_45519375	NC_021164.1	Ca_kabuli_chr05	45519375	AA	GG	1940346643
SNP_P1_104620_45530867	NC_021164.1	Ca_kabuli_chr05	45530867	TT	CC	1940346645
SNP_P1_104621_45571128	NC_021164.1	Ca_kabuli_chr05	45571128	AA	TT	1940346647
SNP_P1_104622_45571130	NC_021164.1	Ca_kabuli_chr05	45571130	AA	TT	1940346648
SNP_P1_104623_45574965	NC_021164.1	Ca_kabuli_chr05	45574965	AA	CC	1940346650
SNP_P1_104624_45584558	NC_021164.1	Ca_kabuli_chr05	45584558	TT	CC	1940346652
SNP_P1_104625_45588343	NC_021164.1	Ca_kabuli_chr05	45588343	TT	CC	1940346653
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SNP_P1_104630_45690066	NC_021164.1	Ca_kabuli_chr05	45690066	TT	AA	1940346660
SNP_P1_104631_45750144	NC_021164.1	Ca_kabuli_chr05	45750144	AA	CC	1940346662

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104633_45750222	NC_021164.1	Ca_kabuli_chr05	45750222	AA	GG	1940346666
SNP_P1_104634_45750360	NC_021164.1	Ca_kabuli_chr05	45750360	TT	CC	1940346667
SNP_P1_104635_45750366	NC_021164.1	Ca_kabuli_chr05	45750366	TT	CC	1940346669
SNP_P1_104636_45760127	NC_021164.1	Ca_kabuli_chr05	45760127	AA	TT	1940346671
SNP_P1_104637_45773448	NC_021164.1	Ca_kabuli_chr05	45773448	CC	TT	1940346672
SNP_P1_104638_45778248	NC_021164.1	Ca_kabuli_chr05	45778248	AA	GG	1940346674
SNP_P1_104639_45785875	NC_021164.1	Ca_kabuli_chr05	45785875	GG	AA	1940346676
SNP_P1_104641_45798117	NC_021164.1	Ca_kabuli_chr05	45798117	AA	GG	1940346678
SNP_P1_104642_45801199	NC_021164.1	Ca_kabuli_chr05	45801199	AA	CC	1940346679
SNP_P1_104643_45821193	NC_021164.1	Ca_kabuli_chr05	45821193	AA	TT	1940346681
SNP_P1_104644_45841808	NC_021164.1	Ca_kabuli_chr05	45841808	AA	TT	1940346683
SNP_P1_104645_45851521	NC_021164.1	Ca_kabuli_chr05	45851521	GG	TT	1940346685
SNP_P1_104646_45851552	NC_021164.1	Ca_kabuli_chr05	45851552	GG	AA	1940346686
SNP_P1_104647_45877106	NC_021164.1	Ca_kabuli_chr05	45877106	CC	AA	1940346688
SNP_P1_104648_45880000	NC_021164.1	Ca_kabuli_chr05	45880000	GG	AA	1940346690
SNP_P1_104650_45929658	NC_021164.1	Ca_kabuli_chr05	45929658	GG	AA	1940346691
SNP_P1_104652_45941204	NC_021164.1	Ca_kabuli_chr05	45941204	AA	GG	1940346693
SNP_P1_104655_46007810	NC_021164.1	Ca_kabuli_chr05	46007810	GG	AA	1940346695
SNP_P1_104656_46008098	NC_021164.1	Ca_kabuli_chr05	46008098	TT	GG	1940346697
SNP_P1_104657_46008148	NC_021164.1	Ca_kabuli_chr05	46008148	AA	GG	1940346698
SNP_P1_104658_46008162	NC_021164.1	Ca_kabuli_chr05	46008162	GG	AA	1940346700
SNP_P1_104659_46023232	NC_021164.1	Ca_kabuli_chr05	46023232	AA	CC	1940346702
SNP_P1_104660_46033832	NC_021164.1	Ca_kabuli_chr05	46033832	AA	GG	1940346703
SNP_P1_104661_46033934	NC_021164.1	Ca_kabuli_chr05	46033934	CC	TT	1940346705
SNP_P1_104662_46033980	NC_021164.1	Ca_kabuli_chr05	46033980	AA	CC	1940346707
SNP_P1_104663_46034019	NC_021164.1	Ca_kabuli_chr05	46034019	TT	CC	1940346709
SNP_P1_104664_46034261	NC_021164.1	Ca_kabuli_chr05	46034261	AA	TT	1940346710
SNP_P1_104666_46034308	NC_021164.1	Ca_kabuli_chr05	46034308	GG	AA	1940346712
SNP_P1_104669_46079851	NC_021164.1	Ca_kabuli_chr05	46079851	GG	AA	1940346714
SNP_P1_104670_46113195	NC_021164.1	Ca_kabuli_chr05	46113195	GG	AA	1940346715
SNP_P1_104672_46122923	NC_021164.1	Ca_kabuli_chr05	46122923	CC	TT	1940346717
SNP_P1_104673_46122942	NC_021164.1	Ca_kabuli_chr05	46122942	TT	GG	1940346719
SNP_P1_104675_46156202	NC_021164.1	Ca_kabuli_chr05	46156202	CC	TT	1940346721
SNP_P1_104676_46192387	NC_021164.1	Ca_kabuli_chr05	46192387	GG	CC	1940346722
SNP_P1_104677_46192979	NC_021164.1	Ca_kabuli_chr05	46192979	TT	CC	1940346724
SNP_P1_104678_46201740	NC_021164.1	Ca_kabuli_chr05	46201740	AA	TT	1940346726
SNP_P1_104679_46201769	NC_021164.1	Ca_kabuli_chr05	46201769	AA	GG	1940346728
SNP_P1_104680_46208381	NC_021164.1	Ca_kabuli_chr05	46208381	AA	TT	1940346729
SNP_P1_104682_46212055	NC_021164.1	Ca_kabuli_chr05	46212055	CC	AA	1940346731
SNP_P1_104683_46212126	NC_021164.1	Ca_kabuli_chr05	46212126	CC	AA	1940346733
SNP_P1_104685_46216311	NC_021164.1	Ca_kabuli_chr05	46216311	TT	AA	1940346734

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104689_46304727	NC_021164.1	Ca_kabuli_chr05	46304727	AA	GG	1940346738
SNP_P1_104691_46333649	NC_021164.1	Ca_kabuli_chr05	46333649	AA	CC	1940346740
SNP_P1_104692_46333651	NC_021164.1	Ca_kabuli_chr05	46333651	AA	CC	1940346741
SNP_P1_104693_46334695	NC_021164.1	Ca_kabuli_chr05	46334695	CC	TT	1940346743
SNP_P1_104694_46349093	NC_021164.1	Ca_kabuli_chr05	46349093	GG	AA	1940346745
SNP_P1_104695_46363788	NC_021164.1	Ca_kabuli_chr05	46363788	GG	AA	1940346746
SNP_P1_104696_46371306	NC_021164.1	Ca_kabuli_chr05	46371306	AA	CC	1940346748
SNP_P1_104697_46387283	NC_021164.1	Ca_kabuli_chr05	46387283	CC	AA	1940346750
SNP_P1_104699_46394752	NC_021164.1	Ca_kabuli_chr05	46394752	AA	TT	1940346752
SNP_P1_104703_46430706	NC_021164.1	Ca_kabuli_chr05	46430706	CC	TT	1940346753
SNP_P1_104704_46467297	NC_021164.1	Ca_kabuli_chr05	46467297	TT	CC	1940346755
SNP_P1_104705_46484334	NC_021164.1	Ca_kabuli_chr05	46484334	TT	CC	1940346757
SNP_P1_104706_46488056	NC_021164.1	Ca_kabuli_chr05	46488056	CC	TT	1940346758
SNP_P1_104707_46490122	NC_021164.1	Ca_kabuli_chr05	46490122	TT	CC	1940346760
SNP_P1_104709_46494291	NC_021164.1	Ca_kabuli_chr05	46494291	AA	GG	1940346762
SNP_P1_104711_46550928	NC_021164.1	Ca_kabuli_chr05	46550928	TT	AA	1940346764
SNP_P1_104713_46566358	NC_021164.1	Ca_kabuli_chr05	46566358	TT	CC	1940346765
SNP_P1_104714_46611721	NC_021164.1	Ca_kabuli_chr05	46611721	AA	TT	1940346767
SNP_P1_104715_46619273	NC_021164.1	Ca_kabuli_chr05	46619273	TT	GG	1940346769
SNP_P1_104716_46619279	NC_021164.1	Ca_kabuli_chr05	46619279	TT	GG	1940346770
SNP_P1_104717_46619288	NC_021164.1	Ca_kabuli_chr05	46619288	TT	CC	1940346772
SNP_P1_104719_46650179	NC_021164.1	Ca_kabuli_chr05	46650179	TT	GG	1940346774
SNP_P1_104721_46655029	NC_021164.1	Ca_kabuli_chr05	46655029	AA	TT	1940346776
SNP_P1_104724_46688827	NC_021164.1	Ca_kabuli_chr05	46688827	TT	AA	1940346777
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SNP_P1_104728_46764235	NC_021164.1	Ca_kabuli_chr05	46764235	AA	TT	1940346783
SNP_P1_104729_46821620	NC_021164.1	Ca_kabuli_chr05	46821620	CC	TT	1940346784
SNP_P1_104730_46836296	NC_021164.1	Ca_kabuli_chr05	46836296	TT	AA	1940346786
SNP_P1_104731_46845251	NC_021164.1	Ca_kabuli_chr05	46845251	TT	AA	1940346788
SNP_P1_104732_46845257	NC_021164.1	Ca_kabuli_chr05	46845257	AA	CC	1940346789
SNP_P1_104733_46850765	NC_021164.1	Ca_kabuli_chr05	46850765	TT	CC	1940346791
SNP_P1_104734_46860781	NC_021164.1	Ca_kabuli_chr05	46860781	GG	AA	1940346793
SNP_P1_104735_46870629	NC_021164.1	Ca_kabuli_chr05	46870629	CC	TT	1940346795
SNP_P1_104736_46874829	NC_021164.1	Ca_kabuli_chr05	46874829	CC	TT	1940346796
SNP_P1_104737_46880556	NC_021164.1	Ca_kabuli_chr05	46880556	GG	CC	1940346798
SNP_P1_104738_46886426	NC_021164.1	Ca_kabuli_chr05	46886426	AA	CC	1940346800
SNP_P1_104740_46906351	NC_021164.1	Ca_kabuli_chr05	46906351	GG	AA	1940346801
SNP_P1_104742_46923822	NC_021164.1	Ca_kabuli_chr05	46923822	CC	GG	1940346803
SNP_P1_104743_46970553	NC_021164.1	Ca_kabuli_chr05	46970553	TT	AA	1940346805
SNP_P1_104744_46987773	NC_021164.1	Ca_kabuli_chr05	46987773	CC	TT	1940346807

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104746_47020055	NC_021164.1	Ca_kabuli_chr05	47020055	TT	CC	1940346810
SNP_P1_104747_47032436	NC_021164.1	Ca_kabuli_chr05	47032436	GG	AA	1940346812
SNP_P1_104749_47075997	NC_021164.1	Ca_kabuli_chr05	47075997	CC	TT	1940346814
SNP_P1_104750_47088078	NC_021164.1	Ca_kabuli_chr05	47088078	TT	CC	1940346815
SNP_P1_104751_47106093	NC_021164.1	Ca_kabuli_chr05	47106093	TT	CC	1940346817
SNP_P1_104752_47106094	NC_021164.1	Ca_kabuli_chr05	47106094	TT	GG	1940346819
SNP_P1_104753_47111718	NC_021164.1	Ca_kabuli_chr05	47111718	GG	AA	1940346820
SNP_P1_104754_47112330	NC_021164.1	Ca_kabuli_chr05	47112330	AA	GG	1940346822
SNP_P1_104758_47142126	NC_021164.1	Ca_kabuli_chr05	47142126	TT	AA	1940346824
SNP_P1_104759_47160777	NC_021164.1	Ca_kabuli_chr05	47160777	CC	TT	1940346826
SNP_P1_104761_47167484	NC_021164.1	Ca_kabuli_chr05	47167484	CC	GG	1940346827
SNP_P1_104762_47176414	NC_021164.1	Ca_kabuli_chr05	47176414	AA	TT	1940346829
SNP_P1_104763_47209392	NC_021164.1	Ca_kabuli_chr05	47209392	CC	GG	1940346831
SNP_P1_104766_47268423	NC_021164.1	Ca_kabuli_chr05	47268423	TT	GG	1940346832
SNP_P1_104767_47272578	NC_021164.1	Ca_kabuli_chr05	47272578	GG	AA	1940346834
SNP_P1_104768_47298689	NC_021164.1	Ca_kabuli_chr05	47298689	GG	AA	1940346836
SNP_P1_104769_47302267	NC_021164.1	Ca_kabuli_chr05	47302267	AA	GG	1940346838
SNP_P1_104770_47349213	NC_021164.1	Ca_kabuli_chr05	47349213	AA	TT	1940346839
SNP_P1_104771_47349216	NC_021164.1	Ca_kabuli_chr05	47349216	GG	AA	1940346841
SNP_P1_104773_47351544	NC_021164.1	Ca_kabuli_chr05	47351544	GG	AA	1940346843
SNP_P1_104775_47395366	NC_021164.1	Ca_kabuli_chr05	47395366	TT	AA	1940346844
SNP_P1_104776_47404517	NC_021164.1	Ca_kabuli_chr05	47404517	AA	GG	1940346846
SNP_P1_104777_47446034	NC_021164.1	Ca_kabuli_chr05	47446034	CC	TT	1940346848
SNP_P1_104778_47446035	NC_021164.1	Ca_kabuli_chr05	47446035	TT	CC	1940346850
SNP_P1_104779_47452668	NC_021164.1	Ca_kabuli_chr05	47452668	CC	TT	1940346851
SNP_P1_104780_47452923	NC_021164.1	Ca_kabuli_chr05	47452923	TT	CC	1940346853
SNP_P1_104781_47453208	NC_021164.1	Ca_kabuli_chr05	47453208	CC	TT	1940346855
SNP_P1_104782_47453240	NC_021164.1	Ca_kabuli_chr05	47453240	TT	CC	1940346856
SNP_P1_104783_47453577	NC_021164.1	Ca_kabuli_chr05	47453577	CC	TT	1940346858
SNP_P1_104784_47453607	NC_021164.1	Ca_kabuli_chr05	47453607	GG	AA	1940346860
SNP_P1_104785_47453628	NC_021164.1	Ca_kabuli_chr05	47453628	AA	CC	1940346862
SNP_P1_104786_47453675	NC_021164.1	Ca_kabuli_chr05	47453675	TT	CC	1940346863
SNP_P1_104787_47454751	NC_021164.1	Ca_kabuli_chr05	47454751	TT	AA	1940346865
SNP_P1_104788_47454950	NC_021164.1	Ca_kabuli_chr05	47454950	AA	TT	1940346867
SNP_P1_104789_47454963	NC_021164.1	Ca_kabuli_chr05	47454963	CC	TT	1940346869
SNP_P1_104790_47455062	NC_021164.1	Ca_kabuli_chr05	47455062	AA	GG	1940346870
SNP_P1_104791_47455240	NC_021164.1	Ca_kabuli_chr05	47455240	AA	CC	1940346872
SNP_P1_104792_47455301	NC_021164.1	Ca_kabuli_chr05	47455301	AA	TT	1940346874
SNP_P1_104793_47455403	NC_021164.1	Ca_kabuli_chr05	47455403	AA	GG	1940346875
SNP_P1_104794_47455417	NC_021164.1	Ca_kabuli_chr05	47455417	GG	AA	1940346877
SNP_P1_104795_47455422	NC_021164.1	Ca_kabuli_chr05	47455422	GG	AA	1940346879

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104797_47455474	NC_021164.1	Ca_kabuli_chr05	47455474	AA	TT	1940346882
SNP_P1_104798_47455494	NC_021164.1	Ca_kabuli_chr05	47455494	GG	CC	1940346884
SNP_P1_104799_47455509	NC_021164.1	Ca_kabuli_chr05	47455509	CC	TT	1940346886
SNP_P1_104800_47455513	NC_021164.1	Ca_kabuli_chr05	47455513	AA	TT	1940346887
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SNP_P1_104802_47502064	NC_021164.1	Ca_kabuli_chr05	47502064	TT	AA	1940346891
SNP_P1_104803_47507239	NC_021164.1	Ca_kabuli_chr05	47507239	TT	GG	1940346893
SNP_P1_104804_47507628	NC_021164.1	Ca_kabuli_chr05	47507628	AA	GG	1940346894
SNP_P1_104806_47519942	NC_021164.1	Ca_kabuli_chr05	47519942	TT	AA	1940346896
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SNP_P1_104808_47553702	NC_021164.1	Ca_kabuli_chr05	47553702	AA	TT	1940346899
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SNP_P1_104812_47592335	NC_021164.1	Ca_kabuli_chr05	47592335	AA	GG	1940346903
SNP_P1_104815_47659619	NC_021164.1	Ca_kabuli_chr05	47659619	AA	TT	1940346905
SNP_P1_104816_47674058	NC_021164.1	Ca_kabuli_chr05	47674058	GG	AA	1940346906
SNP_P1_104818_47679159	NC_021164.1	Ca_kabuli_chr05	47679159	GG	AA	1940346908
SNP_P1_104821_47692958	NC_021164.1	Ca_kabuli_chr05	47692958	TT	GG	1940346910
SNP_P1_104822_47707168	NC_021164.1	Ca_kabuli_chr05	47707168	AA	TT	1940346911
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SNP_P1_104826_47798022	NC_021164.1	Ca_kabuli_chr05	47798022	TT	AA	1940346915
SNP_P1_104830_47848398	NC_021164.1	Ca_kabuli_chr05	47848398	TT	CC	1940346917
SNP_P1_104833_47876450	NC_021164.1	Ca_kabuli_chr05	47876450	CC	TT	1940346918
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SNP_P1_104848_48064711	NC_021164.1	Ca_kabuli_chr05	48064711	GG	TT	1940346937
SNP_P1_104850_48068976	NC_021164.1	Ca_kabuli_chr05	48068976	TT	GG	1940346939
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SNP_P1_104852_48084355	NC_021164.1	Ca_kabuli_chr05	48084355	AA	GG	1940346943
SNP_P1_104854_48122467	NC_021164.1	Ca_kabuli_chr05	48122467	AA	GG	1940346944
SNP_P1_104856_48130369	NC_021164.1	Ca_kabuli_chr05	48130369	TT	CC	1940346946
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SNP_P1_104858_48131876	NC_021164.1	Ca_kabuli_chr05	48131876	GG	AA	1940346949
SNP_P1_104859_48153219	NC_021164.1	Ca_kabuli_chr05	48153219	GG	TT	1940346951

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104862_48164375	NC_021164.1	Ca_kabuli_chr05	48164375	TT	CC	1940346956
SNP_P1_104864_11436	NC_021165.1	Ca_kabuli_chr06	11436	TT	CC	1940346958
SNP_P1_104865_23737	NC_021165.1	Ca_kabuli_chr06	23737	CC	TT	1940346960
SNP_P1_104866_24202	NC_021165.1	Ca_kabuli_chr06	24202	TT	GG	1940346961
SNP_P1_104867_27307	NC_021165.1	Ca_kabuli_chr06	27307	AA	GG	1940346963
SNP_P1_104868_38603	NC_021165.1	Ca_kabuli_chr06	38603	GG	TT	1940346965
SNP_P1_104870_59447	NC_021165.1	Ca_kabuli_chr06	59447	TT	GG	1940346967
SNP_P1_104871_76375	NC_021165.1	Ca_kabuli_chr06	76375	CC	AA	1940346968
SNP_P1_104872_77262	NC_021165.1	Ca_kabuli_chr06	77262	AA	TT	1940346970
SNP_P1_104874_81044	NC_021165.1	Ca_kabuli_chr06	81044	TT	CC	1940346972
SNP_P1_104875_88004	NC_021165.1	Ca_kabuli_chr06	88004	CC	TT	1940346974
SNP_P1_104876_94634	NC_021165.1	Ca_kabuli_chr06	94634	AA	TT	1940346975
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SNP_P1_104878_112678	NC_021165.1	Ca_kabuli_chr06	112678	AA	TT	1940346979
SNP_P1_104879_112807	NC_021165.1	Ca_kabuli_chr06	112807	AA	GG	1940346980
SNP_P1_104880_112843	NC_021165.1	Ca_kabuli_chr06	112843	TT	GG	1940346982
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SNP_P1_104883_113047	NC_021165.1	Ca_kabuli_chr06	113047	CC	TT	1940346986
SNP_P1_104884_113115	NC_021165.1	Ca_kabuli_chr06	113115	AA	GG	1940346987
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SNP_P1_104886_113186	NC_021165.1	Ca_kabuli_chr06	113186	AA	GG	1940346991
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SNP_P1_104891_113252	NC_021165.1	Ca_kabuli_chr06	113252	AA	GG	1940346999
SNP_P1_104893_120303	NC_021165.1	Ca_kabuli_chr06	120303	GG	TT	1940347001
SNP_P1_104894_120347	NC_021165.1	Ca_kabuli_chr06	120347	GG	AA	1940347003
SNP_P1_104896_120417	NC_021165.1	Ca_kabuli_chr06	120417	GG	TT	1940347005
SNP_P1_104897_120556	NC_021165.1	Ca_kabuli_chr06	120556	CC	TT	1940347006
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SNP_P1_104899_127806	NC_021165.1	Ca_kabuli_chr06	127806	GG	AA	1940347010
SNP_P1_104900_130698	NC_021165.1	Ca_kabuli_chr06	130698	AA	CC	1940347012
SNP_P1_104901_131059	NC_021165.1	Ca_kabuli_chr06	131059	GG	AA	1940347013
SNP_P1_104902_141212	NC_021165.1	Ca_kabuli_chr06	141212	AA	TT	1940347015
SNP_P1_104903_141213	NC_021165.1	Ca_kabuli_chr06	141213	AA	CC	1940347017
SNP_P1_104904_141230	NC_021165.1	Ca_kabuli_chr06	141230	GG	AA	1940347018
SNP_P1_104905_141242	NC_021165.1	Ca_kabuli_chr06	141242	AA	TT	1940347020
SNP_P1_104906_145629	NC_021165.1	Ca_kabuli_chr06	145629	CC	TT	1940347022
SNP_P1_104907_145678	NC_021165.1	Ca_kabuli_chr06	145678	AA	TT	1940347024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104911_164338	NC_021165.1	Ca_kabuli_chr06	164338	CC	TT	1940347029
SNP_P1_104912_167979	NC_021165.1	Ca_kabuli_chr06	167979	CC	GG	1940347030
SNP_P1_104913_167996	NC_021165.1	Ca_kabuli_chr06	167996	GG	AA	1940347032
SNP_P1_104914_168291	NC_021165.1	Ca_kabuli_chr06	168291	TT	CC	1940347034
SNP_P1_104915_168304	NC_021165.1	Ca_kabuli_chr06	168304	CC	GG	1940347036
SNP_P1_104916_168333	NC_021165.1	Ca_kabuli_chr06	168333	AA	CC	1940347037
SNP_P1_104917_168348	NC_021165.1	Ca_kabuli_chr06	168348	AA	GG	1940347039
SNP_P1_104918_168468	NC_021165.1	Ca_kabuli_chr06	168468	TT	CC	1940347041
SNP_P1_104919_185457	NC_021165.1	Ca_kabuli_chr06	185457	TT	CC	1940347043
SNP_P1_104920_189530	NC_021165.1	Ca_kabuli_chr06	189530	AA	GG	1940347044
SNP_P1_104922_197867	NC_021165.1	Ca_kabuli_chr06	197867	TT	CC	1940347046
SNP_P1_104923_204195	NC_021165.1	Ca_kabuli_chr06	204195	AA	CC	1940347048
SNP_P1_104926_281990	NC_021165.1	Ca_kabuli_chr06	281990	CC	TT	1940347049
SNP_P1_104927_310885	NC_021165.1	Ca_kabuli_chr06	310885	AA	GG	1940347051
SNP_P1_104928_328782	NC_021165.1	Ca_kabuli_chr06	328782	CC	TT	1940347053
SNP_P1_104929_344130	NC_021165.1	Ca_kabuli_chr06	344130	AA	TT	1940347055
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SNP_P1_104931_371639	NC_021165.1	Ca_kabuli_chr06	371639	GG	AA	1940347058
SNP_P1_104932_392732	NC_021165.1	Ca_kabuli_chr06	392732	CC	TT	1940347060
SNP_P1_104933_424275	NC_021165.1	Ca_kabuli_chr06	424275	TT	AA	1940347062
SNP_P1_104934_427513	NC_021165.1	Ca_kabuli_chr06	427513	CC	TT	1940347063
SNP_P1_104936_481775	NC_021165.1	Ca_kabuli_chr06	481775	TT	CC	1940347065
SNP_P1_104937_563656	NC_021165.1	Ca_kabuli_chr06	563656	AA	TT	1940347067
SNP_P1_104938_563657	NC_021165.1	Ca_kabuli_chr06	563657	AA	GG	1940347068
SNP_P1_104941_605801	NC_021165.1	Ca_kabuli_chr06	605801	AA	GG	1940347070
SNP_P1_104946_708745	NC_021165.1	Ca_kabuli_chr06	708745	AA	GG	1940347072
SNP_P1_104947_720573	NC_021165.1	Ca_kabuli_chr06	720573	AA	CC	1940347074
SNP_P1_104948_743782	NC_021165.1	Ca_kabuli_chr06	743782	TT	CC	1940347075
SNP_P1_104949_754285	NC_021165.1	Ca_kabuli_chr06	754285	AA	GG	1940347077
SNP_P1_104950_796153	NC_021165.1	Ca_kabuli_chr06	796153	CC	GG	1940347079
SNP_P1_104951_814095	NC_021165.1	Ca_kabuli_chr06	814095	TT	AA	1940347080
SNP_P1_104952_816942	NC_021165.1	Ca_kabuli_chr06	816942	TT	GG	1940347082
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SNP_P1_104954_829879	NC_021165.1	Ca_kabuli_chr06	829879	AA	TT	1940347086
SNP_P1_104955_833393	NC_021165.1	Ca_kabuli_chr06	833393	TT	GG	1940347087
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SNP_P1_104957_851212	NC_021165.1	Ca_kabuli_chr06	851212	CC	GG	1940347091
SNP_P1_104959_916678	NC_021165.1	Ca_kabuli_chr06	916678	CC	TT	1940347093
SNP_P1_104960_924401	NC_021165.1	Ca_kabuli_chr06	924401	TT	GG	1940347094
SNP_P1_104962_974372	NC_021165.1	Ca_kabuli_chr06	974372	GG	AA	1940347096

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_104964_982557	NC_021165.1	Ca_kabuli_chr06	982557	TT	GG	1940347099
SNP_P1_104965_1032586	NC_021165.1	Ca_kabuli_chr06	1032586	TT	CC	1940347101
SNP_P1_104966_1034087	NC_021165.1	Ca_kabuli_chr06	1034087	AA	TT	1940347103
SNP_P1_104967_1039227	NC_021165.1	Ca_kabuli_chr06	1039227	AA	GG	1940347105
SNP_P1_104968_1044815	NC_021165.1	Ca_kabuli_chr06	1044815	TT	CC	1940347106
SNP_P1_104970_1055597	NC_021165.1	Ca_kabuli_chr06	1055597	AA	TT	1940347108
SNP_P1_104971_1055600	NC_021165.1	Ca_kabuli_chr06	1055600	AA	GG	1940347110
SNP_P1_104972_1070954	NC_021165.1	Ca_kabuli_chr06	1070954	AA	GG	1940347112
SNP_P1_104973_1086265	NC_021165.1	Ca_kabuli_chr06	1086265	TT	AA	1940347113
SNP_P1_104974_1086334	NC_021165.1	Ca_kabuli_chr06	1086334	TT	CC	1940347115
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SNP_P1_104984_1175605	NC_021165.1	Ca_kabuli_chr06	1175605	TT	CC	1940347127
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SNP_P1_104988_1175719	NC_021165.1	Ca_kabuli_chr06	1175719	AA	CC	1940347134
SNP_P1_104989_1175753	NC_021165.1	Ca_kabuli_chr06	1175753	AA	TT	1940347136
SNP_P1_104990_1175754	NC_021165.1	Ca_kabuli_chr06	1175754	TT	AA	1940347137
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SNP_P1_104992_1175780	NC_021165.1	Ca_kabuli_chr06	1175780	TT	AA	1940347141
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SNP_P1_104996_1217487	NC_021165.1	Ca_kabuli_chr06	1217487	AA	GG	1940347146
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SNP_P1_105001_1240421	NC_021165.1	Ca_kabuli_chr06	1240421	AA	TT	1940347153
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SNP_P1_105005_1338910	NC_021165.1	Ca_kabuli_chr06	1338910	CC	AA	1940347158
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SNP_P1_105008_1338999	NC_021165.1	Ca_kabuli_chr06	1338999	TT	GG	1940347163
SNP_P1_105009_1339002	NC_021165.1	Ca_kabuli_chr06	1339002	TT	GG	1940347165
SNP_P1_105010_1339013	NC_021165.1	Ca_kabuli_chr06	1339013	AA	GG	1940347167
SNP_P1_105011_1339024	NC_021165.1	Ca_kabuli_chr06	1339024	CC	TT	1940347168

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105014_1339083	NC_021165.1	Ca_kabuli_chr06	1339083	AA	GG	1940347174
SNP_P1_105015_1339108	NC_021165.1	Ca_kabuli_chr06	1339108	TT	CC	1940347175
SNP_P1_105016_1339112	NC_021165.1	Ca_kabuli_chr06	1339112	CC	TT	1940347177
SNP_P1_105017_1339123	NC_021165.1	Ca_kabuli_chr06	1339123	CC	TT	1940347179
SNP_P1_105018_1339143	NC_021165.1	Ca_kabuli_chr06	1339143	TT	CC	1940347180
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SNP_P1_105021_1339273	NC_021165.1	Ca_kabuli_chr06	1339273	GG	TT	1940347186
SNP_P1_105022_1339274	NC_021165.1	Ca_kabuli_chr06	1339274	TT	GG	1940347187
SNP_P1_105023_1339528	NC_021165.1	Ca_kabuli_chr06	1339528	CC	TT	1940347189
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SNP_P1_105025_1339578	NC_021165.1	Ca_kabuli_chr06	1339578	CC	TT	1940347193
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SNP_P1_105028_1341043	NC_021165.1	Ca_kabuli_chr06	1341043	AA	GG	1940347198
SNP_P1_105029_1341067	NC_021165.1	Ca_kabuli_chr06	1341067	CC	TT	1940347199
SNP_P1_105030_1341088	NC_021165.1	Ca_kabuli_chr06	1341088	TT	CC	1940347201
SNP_P1_105031_1342604	NC_021165.1	Ca_kabuli_chr06	1342604	CC	TT	1940347203
SNP_P1_105032_1343521	NC_021165.1	Ca_kabuli_chr06	1343521	AA	GG	1940347205
SNP_P1_105034_1345367	NC_021165.1	Ca_kabuli_chr06	1345367	AA	CC	1940347206
SNP_P1_105035_1348922	NC_021165.1	Ca_kabuli_chr06	1348922	AA	GG	1940347208
SNP_P1_105036_1348954	NC_021165.1	Ca_kabuli_chr06	1348954	TT	CC	1940347210
SNP_P1_105037_1349032	NC_021165.1	Ca_kabuli_chr06	1349032	GG	AA	1940347212
SNP_P1_105038_1349069	NC_021165.1	Ca_kabuli_chr06	1349069	GG	CC	1940347213
SNP_P1_105039_1349310	NC_021165.1	Ca_kabuli_chr06	1349310	CC	TT	1940347215
SNP_P1_105040_1349335	NC_021165.1	Ca_kabuli_chr06	1349335	TT	CC	1940347217
SNP_P1_105041_1349389	NC_021165.1	Ca_kabuli_chr06	1349389	GG	CC	1940347218
SNP_P1_105042_1349463	NC_021165.1	Ca_kabuli_chr06	1349463	TT	GG	1940347220
SNP_P1_105043_1349471	NC_021165.1	Ca_kabuli_chr06	1349471	AA	CC	1940347222
SNP_P1_105044_1349476	NC_021165.1	Ca_kabuli_chr06	1349476	CC	TT	1940347224
SNP_P1_105045_1349741	NC_021165.1	Ca_kabuli_chr06	1349741	CC	GG	1940347225
SNP_P1_105046_1350103	NC_021165.1	Ca_kabuli_chr06	1350103	TT	AA	1940347227
SNP_P1_105047_1350230	NC_021165.1	Ca_kabuli_chr06	1350230	CC	TT	1940347229
SNP_P1_105048_1350310	NC_021165.1	Ca_kabuli_chr06	1350310	AA	TT	1940347230
SNP_P1_105050_1350790	NC_021165.1	Ca_kabuli_chr06	1350790	TT	GG	1940347232
SNP_P1_105051_1350830	NC_021165.1	Ca_kabuli_chr06	1350830	AA	GG	1940347234
SNP_P1_105053_1350965	NC_021165.1	Ca_kabuli_chr06	1350965	GG	AA	1940347236
SNP_P1_105054_1351149	NC_021165.1	Ca_kabuli_chr06	1351149	TT	GG	1940347237
SNP_P1_105055_1351173	NC_021165.1	Ca_kabuli_chr06	1351173	GG	AA	1940347239
SNP_P1_105056_1351254	NC_021165.1	Ca_kabuli_chr06	1351254	CC	GG	1940347241

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105059_1351748	NC_021165.1	Ca_kabuli_chr06	1351748	GG	CC	1940347246
SNP_P1_105061_1353981	NC_021165.1	Ca_kabuli_chr06	1353981	CC	TT	1940347248
SNP_P1_105062_1353990	NC_021165.1	Ca_kabuli_chr06	1353990	CC	TT	1940347249
SNP_P1_105063_1354003	NC_021165.1	Ca_kabuli_chr06	1354003	TT	AA	1940347251
SNP_P1_105064_1354127	NC_021165.1	Ca_kabuli_chr06	1354127	GG	AA	1940347253
SNP_P1_105065_1354135	NC_021165.1	Ca_kabuli_chr06	1354135	AA	TT	1940347255
SNP_P1_105066_1354168	NC_021165.1	Ca_kabuli_chr06	1354168	AA	GG	1940347256
SNP_P1_105067_1354306	NC_021165.1	Ca_kabuli_chr06	1354306	AA	GG	1940347258
SNP_P1_105069_1354328	NC_021165.1	Ca_kabuli_chr06	1354328	CC	TT	1940347260
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SNP_P1_105073_1354424	NC_021165.1	Ca_kabuli_chr06	1354424	CC	TT	1940347267
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SNP_P1_105075_1354473	NC_021165.1	Ca_kabuli_chr06	1354473	GG	AA	1940347270
SNP_P1_105076_1359038	NC_021165.1	Ca_kabuli_chr06	1359038	TT	AA	1940347272
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SNP_P1_105080_1360619	NC_021165.1	Ca_kabuli_chr06	1360619	AA	GG	1940347279
SNP_P1_105081_1360939	NC_021165.1	Ca_kabuli_chr06	1360939	CC	AA	1940347280
SNP_P1_105082_1360945	NC_021165.1	Ca_kabuli_chr06	1360945	AA	GG	1940347282
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SNP_P1_105086_1362178	NC_021165.1	Ca_kabuli_chr06	1362178	AA	GG	1940347289
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SNP_P1_105088_1362233	NC_021165.1	Ca_kabuli_chr06	1362233	TT	CC	1940347292
SNP_P1_105089_1362261	NC_021165.1	Ca_kabuli_chr06	1362261	AA	CC	1940347294
SNP_P1_105090_1362309	NC_021165.1	Ca_kabuli_chr06	1362309	TT	GG	1940347296
SNP_P1_105091_1362354	NC_021165.1	Ca_kabuli_chr06	1362354	GG	AA	1940347298
SNP_P1_105092_1362379	NC_021165.1	Ca_kabuli_chr06	1362379	AA	GG	1940347299
SNP_P1_105093_1369403	NC_021165.1	Ca_kabuli_chr06	1369403	AA	CC	1940347301
SNP_P1_105094_1369651	NC_021165.1	Ca_kabuli_chr06	1369651	AA	TT	1940347303
SNP_P1_105095_1369669	NC_021165.1	Ca_kabuli_chr06	1369669	GG	TT	1940347305
SNP_P1_105096_1369758	NC_021165.1	Ca_kabuli_chr06	1369758	TT	CC	1940347306
SNP_P1_105097_1369955	NC_021165.1	Ca_kabuli_chr06	1369955	AA	GG	1940347308
SNP_P1_105098_1369959	NC_021165.1	Ca_kabuli_chr06	1369959	CC	TT	1940347310
SNP_P1_105099_1369962	NC_021165.1	Ca_kabuli_chr06	1369962	TT	CC	1940347312
SNP_P1_105100_1372539	NC_021165.1	Ca_kabuli_chr06	1372539	CC	TT	1940347313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105105_1377886	NC_021165.1	Ca_kabuli_chr06	1377886	CC	TT	1940347318
SNP_P1_105106_1377964	NC_021165.1	Ca_kabuli_chr06	1377964	CC	TT	1940347320
SNP_P1_105107_1384524	NC_021165.1	Ca_kabuli_chr06	1384524	GG	AA	1940347322
SNP_P1_105108_1384991	NC_021165.1	Ca_kabuli_chr06	1384991	GG	AA	1940347324
SNP_P1_105109_1384994	NC_021165.1	Ca_kabuli_chr06	1384994	AA	CC	1940347325
SNP_P1_105110_1384995	NC_021165.1	Ca_kabuli_chr06	1384995	AA	TT	1940347327
SNP_P1_105111_1384996	NC_021165.1	Ca_kabuli_chr06	1384996	AA	TT	1940347329
SNP_P1_105112_1386826	NC_021165.1	Ca_kabuli_chr06	1386826	AA	TT	1940347331
SNP_P1_105113_1396874	NC_021165.1	Ca_kabuli_chr06	1396874	TT	CC	1940347332
SNP_P1_105114_1407711	NC_021165.1	Ca_kabuli_chr06	1407711	GG	AA	1940347334
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SNP_P1_105119_1491398	NC_021165.1	Ca_kabuli_chr06	1491398	CC	TT	1940347339
SNP_P1_105120_1491403	NC_021165.1	Ca_kabuli_chr06	1491403	AA	GG	1940347341
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SNP_P1_105122_1491501	NC_021165.1	Ca_kabuli_chr06	1491501	TT	AA	1940347344
SNP_P1_105123_1491597	NC_021165.1	Ca_kabuli_chr06	1491597	TT	CC	1940347346
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SNP_P1_105128_1491780	NC_021165.1	Ca_kabuli_chr06	1491780	AA	GG	1940347355
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SNP_P1_105132_1491885	NC_021165.1	Ca_kabuli_chr06	1491885	AA	TT	1940347362
SNP_P1_105134_1491957	NC_021165.1	Ca_kabuli_chr06	1491957	CC	TT	1940347363
SNP_P1_105135_1491999	NC_021165.1	Ca_kabuli_chr06	1491999	CC	AA	1940347365
SNP_P1_105136_1492011	NC_021165.1	Ca_kabuli_chr06	1492011	GG	AA	1940347367
SNP_P1_105137_1492061	NC_021165.1	Ca_kabuli_chr06	1492061	GG	AA	1940347368
SNP_P1_105138_1492064	NC_021165.1	Ca_kabuli_chr06	1492064	CC	AA	1940347370
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SNP_P1_105140_1492144	NC_021165.1	Ca_kabuli_chr06	1492144	TT	AA	1940347374
SNP_P1_105141_1492171	NC_021165.1	Ca_kabuli_chr06	1492171	GG	AA	1940347375
SNP_P1_105143_1492246	NC_021165.1	Ca_kabuli_chr06	1492246	AA	GG	1940347377
SNP_P1_105144_1492272	NC_021165.1	Ca_kabuli_chr06	1492272	TT	CC	1940347379
SNP_P1_105145_1492280	NC_021165.1	Ca_kabuli_chr06	1492280	TT	AA	1940347381
SNP_P1_105146_1492289	NC_021165.1	Ca_kabuli_chr06	1492289	AA	GG	1940347382
SNP_P1_105147_1492310	NC_021165.1	Ca_kabuli_chr06	1492310	CC	TT	1940347384
SNP_P1_105148_1492341	NC_021165.1	Ca_kabuli_chr06	1492341	CC	GG	1940347386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105152_1492432	NC_021165.1	Ca_kabuli_chr06	1492432	CC	AA	1940347391
SNP_P1_105153_1492443	NC_021165.1	Ca_kabuli_chr06	1492443	GG	TT	1940347393
SNP_P1_105154_1492545	NC_021165.1	Ca_kabuli_chr06	1492545	TT	CC	1940347394
SNP_P1_105155_1492620	NC_021165.1	Ca_kabuli_chr06	1492620	AA	CC	1940347396
SNP_P1_105156_1492681	NC_021165.1	Ca_kabuli_chr06	1492681	AA	GG	1940347398
SNP_P1_105157_1492682	NC_021165.1	Ca_kabuli_chr06	1492682	CC	TT	1940347400
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SNP_P1_105166_1517758	NC_021165.1	Ca_kabuli_chr06	1517758	CC	AA	1940347413
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SNP_P1_105192_1543726	NC_021165.1	Ca_kabuli_chr06	1543726	CC	TT	1940347455
SNP_P1_105193_1543767	NC_021165.1	Ca_kabuli_chr06	1543767	GG	AA	1940347457
SNP_P1_105194_1543768	NC_021165.1	Ca_kabuli_chr06	1543768	AA	GG	1940347458

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105201_1544036	NC_021165.1	Ca_kabuli_chr06	1544036	AA	TT	1940347470
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SNP_P1_105214_1547756	NC_021165.1	Ca_kabuli_chr06	1547756	GG	TT	1940347493
SNP_P1_105215_1547758	NC_021165.1	Ca_kabuli_chr06	1547758	AA	GG	1940347495
SNP_P1_105216_1547764	NC_021165.1	Ca_kabuli_chr06	1547764	TT	CC	1940347496
SNP_P1_105217_1547784	NC_021165.1	Ca_kabuli_chr06	1547784	CC	TT	1940347498
SNP_P1_105218_1548101	NC_021165.1	Ca_kabuli_chr06	1548101	TT	CC	1940347500
SNP_P1_105220_1548667	NC_021165.1	Ca_kabuli_chr06	1548667	CC	TT	1940347502
SNP_P1_105221_1548685	NC_021165.1	Ca_kabuli_chr06	1548685	GG	AA	1940347503
SNP_P1_105222_1548907	NC_021165.1	Ca_kabuli_chr06	1548907	GG	TT	1940347505
SNP_P1_105224_1549427	NC_021165.1	Ca_kabuli_chr06	1549427	CC	TT	1940347507
SNP_P1_105225_1556004	NC_021165.1	Ca_kabuli_chr06	1556004	TT	CC	1940347508
SNP_P1_105226_1556050	NC_021165.1	Ca_kabuli_chr06	1556050	CC	AA	1940347510
SNP_P1_105227_1556067	NC_021165.1	Ca_kabuli_chr06	1556067	GG	AA	1940347512
SNP_P1_105229_1556407	NC_021165.1	Ca_kabuli_chr06	1556407	TT	CC	1940347514
SNP_P1_105230_1556427	NC_021165.1	Ca_kabuli_chr06	1556427	AA	CC	1940347515
SNP_P1_105231_1556434	NC_021165.1	Ca_kabuli_chr06	1556434	CC	TT	1940347517
SNP_P1_105232_1556538	NC_021165.1	Ca_kabuli_chr06	1556538	AA	GG	1940347519
SNP_P1_105233_1556565	NC_021165.1	Ca_kabuli_chr06	1556565	GG	AA	1940347521
SNP_P1_105234_1556677	NC_021165.1	Ca_kabuli_chr06	1556677	TT	CC	1940347522
SNP_P1_105236_1556885	NC_021165.1	Ca_kabuli_chr06	1556885	AA	TT	1940347524
SNP_P1_105237_1556938	NC_021165.1	Ca_kabuli_chr06	1556938	CC	TT	1940347526
SNP_P1_105238_1556939	NC_021165.1	Ca_kabuli_chr06	1556939	TT	AA	1940347527
SNP_P1_105239_1556972	NC_021165.1	Ca_kabuli_chr06	1556972	AA	GG	1940347529
SNP_P1_105240_1557078	NC_021165.1	Ca_kabuli_chr06	1557078	GG	AA	1940347531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105244_1557358	NC_021165.1	Ca_kabuli_chr06	1557358	GG	TT	1940347534
SNP_P1_105245_1557513	NC_021165.1	Ca_kabuli_chr06	1557513	CC	TT	1940347536
SNP_P1_105246_1557559	NC_021165.1	Ca_kabuli_chr06	1557559	TT	GG	1940347538
SNP_P1_105247_1557565	NC_021165.1	Ca_kabuli_chr06	1557565	CC	AA	1940347539
SNP_P1_105248_1557567	NC_021165.1	Ca_kabuli_chr06	1557567	CC	AA	1940347541
SNP_P1_105249_1557588	NC_021165.1	Ca_kabuli_chr06	1557588	AA	GG	1940347543
SNP_P1_105250_1557599	NC_021165.1	Ca_kabuli_chr06	1557599	CC	TT	1940347545
SNP_P1_105251_1557610	NC_021165.1	Ca_kabuli_chr06	1557610	TT	GG	1940347546
SNP_P1_105252_1557611	NC_021165.1	Ca_kabuli_chr06	1557611	CC	TT	1940347548
SNP_P1_105253_1557632	NC_021165.1	Ca_kabuli_chr06	1557632	AA	GG	1940347550
SNP_P1_105254_1557637	NC_021165.1	Ca_kabuli_chr06	1557637	GG	AA	1940347552
SNP_P1_105255_1557655	NC_021165.1	Ca_kabuli_chr06	1557655	AA	CC	1940347553
SNP_P1_105256_1557658	NC_021165.1	Ca_kabuli_chr06	1557658	CC	GG	1940347555
SNP_P1_105258_1559137	NC_021165.1	Ca_kabuli_chr06	1559137	CC	TT	1940347557
SNP_P1_105259_1559161	NC_021165.1	Ca_kabuli_chr06	1559161	TT	CC	1940347559
SNP_P1_105260_1559267	NC_021165.1	Ca_kabuli_chr06	1559267	CC	AA	1940347560
SNP_P1_105262_1559396	NC_021165.1	Ca_kabuli_chr06	1559396	GG	AA	1940347562
SNP_P1_105263_1559398	NC_021165.1	Ca_kabuli_chr06	1559398	AA	TT	1940347564
SNP_P1_105265_1559485	NC_021165.1	Ca_kabuli_chr06	1559485	TT	AA	1940347565
SNP_P1_105267_1559512	NC_021165.1	Ca_kabuli_chr06	1559512	TT	AA	1940347567
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SNP_P1_105269_1559555	NC_021165.1	Ca_kabuli_chr06	1559555	GG	AA	1940347571
SNP_P1_105271_1559632	NC_021165.1	Ca_kabuli_chr06	1559632	AA	CC	1940347572
SNP_P1_105272_1559664	NC_021165.1	Ca_kabuli_chr06	1559664	AA	TT	1940347574
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SNP_P1_105277_1561424	NC_021165.1	Ca_kabuli_chr06	1561424	CC	TT	1940347581
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SNP_P1_105279_1589413	NC_021165.1	Ca_kabuli_chr06	1589413	TT	AA	1940347584
SNP_P1_105280_1595484	NC_021165.1	Ca_kabuli_chr06	1595484	GG	AA	1940347586
SNP_P1_105281_1596305	NC_021165.1	Ca_kabuli_chr06	1596305	TT	CC	1940347588
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SNP_P1_105283_1599839	NC_021165.1	Ca_kabuli_chr06	1599839	AA	GG	1940347591
SNP_P1_105284_1600075	NC_021165.1	Ca_kabuli_chr06	1600075	TT	CC	1940347593
SNP_P1_105285_1600117	NC_021165.1	Ca_kabuli_chr06	1600117	TT	CC	1940347595
SNP_P1_105286_1600123	NC_021165.1	Ca_kabuli_chr06	1600123	AA	TT	1940347596
SNP_P1_105287_1600151	NC_021165.1	Ca_kabuli_chr06	1600151	AA	CC	1940347598
SNP_P1_105289_1600438	NC_021165.1	Ca_kabuli_chr06	1600438	TT	CC	1940347600
SNP_P1_105290_1611159	NC_021165.1	Ca_kabuli_chr06	1611159	TT	CC	1940347602
SNP_P1_105291_1625328	NC_021165.1	Ca_kabuli_chr06	1625328	TT	CC	1940347603

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105294_1625404	NC_021165.1	Ca_kabuli_chr06	1625404	AA	GG	1940347609
SNP_P1_105295_1625405	NC_021165.1	Ca_kabuli_chr06	1625405	CC	GG	1940347610
SNP_P1_105296_1625530	NC_021165.1	Ca_kabuli_chr06	1625530	CC	TT	1940347612
SNP_P1_105297_1625559	NC_021165.1	Ca_kabuli_chr06	1625559	CC	GG	1940347614
SNP_P1_105298_1625563	NC_021165.1	Ca_kabuli_chr06	1625563	TT	AA	1940347616
SNP_P1_105299_1625577	NC_021165.1	Ca_kabuli_chr06	1625577	CC	AA	1940347617
SNP_P1_105300_1625631	NC_021165.1	Ca_kabuli_chr06	1625631	TT	AA	1940347619
SNP_P1_105301_1625842	NC_021165.1	Ca_kabuli_chr06	1625842	CC	AA	1940347621
SNP_P1_105302_1625887	NC_021165.1	Ca_kabuli_chr06	1625887	TT	AA	1940347622
SNP_P1_105303_1626293	NC_021165.1	Ca_kabuli_chr06	1626293	CC	TT	1940347624
SNP_P1_105305_1644851	NC_021165.1	Ca_kabuli_chr06	1644851	TT	CC	1940347626
SNP_P1_105306_1649897	NC_021165.1	Ca_kabuli_chr06	1649897	CC	TT	1940347628
SNP_P1_105307_1664884	NC_021165.1	Ca_kabuli_chr06	1664884	AA	GG	1940347629
SNP_P1_105309_1682018	NC_021165.1	Ca_kabuli_chr06	1682018	GG	TT	1940347631
SNP_P1_105310_1682060	NC_021165.1	Ca_kabuli_chr06	1682060	CC	TT	1940347633
SNP_P1_105311_1682076	NC_021165.1	Ca_kabuli_chr06	1682076	CC	TT	1940347635
SNP_P1_105312_1682101	NC_021165.1	Ca_kabuli_chr06	1682101	TT	CC	1940347636
SNP_P1_105313_1682105	NC_021165.1	Ca_kabuli_chr06	1682105	CC	TT	1940347638
SNP_P1_105314_1682193	NC_021165.1	Ca_kabuli_chr06	1682193	GG	AA	1940347640
SNP_P1_105315_1682198	NC_021165.1	Ca_kabuli_chr06	1682198	GG	AA	1940347641
SNP_P1_105316_1682204	NC_021165.1	Ca_kabuli_chr06	1682204	CC	TT	1940347643
SNP_P1_105317_1682219	NC_021165.1	Ca_kabuli_chr06	1682219	TT	CC	1940347645
SNP_P1_105318_1682227	NC_021165.1	Ca_kabuli_chr06	1682227	AA	CC	1940347647
SNP_P1_105319_1682289	NC_021165.1	Ca_kabuli_chr06	1682289	GG	AA	1940347648
SNP_P1_105320_1682390	NC_021165.1	Ca_kabuli_chr06	1682390	GG	TT	1940347650
SNP_P1_105321_1682439	NC_021165.1	Ca_kabuli_chr06	1682439	GG	AA	1940347652
SNP_P1_105322_1682491	NC_021165.1	Ca_kabuli_chr06	1682491	AA	CC	1940347653
SNP_P1_105323_1682560	NC_021165.1	Ca_kabuli_chr06	1682560	CC	TT	1940347655
SNP_P1_105324_1682576	NC_021165.1	Ca_kabuli_chr06	1682576	AA	GG	1940347657
SNP_P1_105325_1682599	NC_021165.1	Ca_kabuli_chr06	1682599	TT	AA	1940347659
SNP_P1_105326_1682602	NC_021165.1	Ca_kabuli_chr06	1682602	CC	TT	1940347660
SNP_P1_105327_1682622	NC_021165.1	Ca_kabuli_chr06	1682622	GG	AA	1940347662
SNP_P1_105329_1682756	NC_021165.1	Ca_kabuli_chr06	1682756	AA	GG	1940347664
SNP_P1_105330_1682769	NC_021165.1	Ca_kabuli_chr06	1682769	CC	TT	1940347666
SNP_P1_105331_1682790	NC_021165.1	Ca_kabuli_chr06	1682790	AA	GG	1940347667
SNP_P1_105332_1682807	NC_021165.1	Ca_kabuli_chr06	1682807	TT	CC	1940347669
SNP_P1_105333_1682836	NC_021165.1	Ca_kabuli_chr06	1682836	TT	CC	1940347671
SNP_P1_105334_1682862	NC_021165.1	Ca_kabuli_chr06	1682862	CC	TT	1940347672
SNP_P1_105335_1682920	NC_021165.1	Ca_kabuli_chr06	1682920	TT	CC	1940347674
SNP_P1_105336_1682921	NC_021165.1	Ca_kabuli_chr06	1682921	GG	AA	1940347676

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105338_1682967	NC_021165.1	Ca_kabuli_chr06	1682967	TT	AA	1940347679
SNP_P1_105339_1682968	NC_021165.1	Ca_kabuli_chr06	1682968	AA	TT	1940347681
SNP_P1_105340_1683003	NC_021165.1	Ca_kabuli_chr06	1683003	CC	TT	1940347683
SNP_P1_105341_1683033	NC_021165.1	Ca_kabuli_chr06	1683033	TT	CC	1940347685
SNP_P1_105342_1683045	NC_021165.1	Ca_kabuli_chr06	1683045	AA	GG	1940347686
SNP_P1_105343_1683046	NC_021165.1	Ca_kabuli_chr06	1683046	AA	CC	1940347688
SNP_P1_105344_1683083	NC_021165.1	Ca_kabuli_chr06	1683083	GG	AA	1940347690
SNP_P1_105346_1683118	NC_021165.1	Ca_kabuli_chr06	1683118	TT	CC	1940347691
SNP_P1_105347_1683190	NC_021165.1	Ca_kabuli_chr06	1683190	CC	AA	1940347693
SNP_P1_105348_1683221	NC_021165.1	Ca_kabuli_chr06	1683221	TT	CC	1940347695
SNP_P1_105350_1683243	NC_021165.1	Ca_kabuli_chr06	1683243	GG	TT	1940347697
SNP_P1_105352_1683348	NC_021165.1	Ca_kabuli_chr06	1683348	GG	TT	1940347698
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SNP_P1_105354_1683401	NC_021165.1	Ca_kabuli_chr06	1683401	CC	TT	1940347702
SNP_P1_105355_1683452	NC_021165.1	Ca_kabuli_chr06	1683452	CC	TT	1940347704
SNP_P1_105357_1683512	NC_021165.1	Ca_kabuli_chr06	1683512	CC	TT	1940347705
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SNP_P1_105359_1683528	NC_021165.1	Ca_kabuli_chr06	1683528	AA	TT	1940347709
SNP_P1_105360_1683531	NC_021165.1	Ca_kabuli_chr06	1683531	GG	AA	1940347711
SNP_P1_105361_1683536	NC_021165.1	Ca_kabuli_chr06	1683536	CC	AA	1940347712
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SNP_P1_105364_1683653	NC_021165.1	Ca_kabuli_chr06	1683653	AA	GG	1940347717
SNP_P1_105365_1683676	NC_021165.1	Ca_kabuli_chr06	1683676	TT	GG	1940347719
SNP_P1_105367_1694954	NC_021165.1	Ca_kabuli_chr06	1694954	TT	CC	1940347721
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SNP_P1_105371_1718219	NC_021165.1	Ca_kabuli_chr06	1718219	GG	AA	1940347726
SNP_P1_105374_1729409	NC_021165.1	Ca_kabuli_chr06	1729409	TT	GG	1940347728
SNP_P1_105375_1729412	NC_021165.1	Ca_kabuli_chr06	1729412	AA	CC	1940347730
SNP_P1_105376_1746102	NC_021165.1	Ca_kabuli_chr06	1746102	CC	TT	1940347731
SNP_P1_105377_1747269	NC_021165.1	Ca_kabuli_chr06	1747269	AA	GG	1940347733
SNP_P1_105378_1747393	NC_021165.1	Ca_kabuli_chr06	1747393	CC	TT	1940347735
SNP_P1_105379_1758333	NC_021165.1	Ca_kabuli_chr06	1758333	AA	GG	1940347736
SNP_P1_105381_1767088	NC_021165.1	Ca_kabuli_chr06	1767088	AA	GG	1940347738
SNP_P1_105382_1773438	NC_021165.1	Ca_kabuli_chr06	1773438	CC	TT	1940347740
SNP_P1_105383_1780020	NC_021165.1	Ca_kabuli_chr06	1780020	TT	CC	1940347742
SNP_P1_105384_1780417	NC_021165.1	Ca_kabuli_chr06	1780417	CC	AA	1940347743
SNP_P1_105385_1780650	NC_021165.1	Ca_kabuli_chr06	1780650	AA	GG	1940347745
SNP_P1_105386_1782073	NC_021165.1	Ca_kabuli_chr06	1782073	CC	TT	1940347747
SNP_P1_105389_1793740	NC_021165.1	Ca_kabuli_chr06	1793740	TT	CC	1940347749

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105392_1803459	NC_021165.1	Ca_kabuli_chr06	1803459	AA	TT	1940347752
SNP_P1_105393_1803474	NC_021165.1	Ca_kabuli_chr06	1803474	GG	TT	1940347754
SNP_P1_105395_1804844	NC_021165.1	Ca_kabuli_chr06	1804844	TT	CC	1940347755
SNP_P1_105396_1805418	NC_021165.1	Ca_kabuli_chr06	1805418	CC	TT	1940347757
SNP_P1_105397_1808485	NC_021165.1	Ca_kabuli_chr06	1808485	TT	CC	1940347759
SNP_P1_105398_1808567	NC_021165.1	Ca_kabuli_chr06	1808567	CC	TT	1940347761
SNP_P1_105399_1808610	NC_021165.1	Ca_kabuli_chr06	1808610	AA	GG	1940347762
SNP_P1_105400_1809940	NC_021165.1	Ca_kabuli_chr06	1809940	TT	CC	1940347764
SNP_P1_105401_1812971	NC_021165.1	Ca_kabuli_chr06	1812971	CC	TT	1940347766
SNP_P1_105402_1813015	NC_021165.1	Ca_kabuli_chr06	1813015	AA	CC	1940347768
SNP_P1_105403_1813035	NC_021165.1	Ca_kabuli_chr06	1813035	CC	TT	1940347769
SNP_P1_105405_1813819	NC_021165.1	Ca_kabuli_chr06	1813819	TT	CC	1940347771
SNP_P1_105406_1813864	NC_021165.1	Ca_kabuli_chr06	1813864	TT	AA	1940347773
SNP_P1_105407_1813866	NC_021165.1	Ca_kabuli_chr06	1813866	AA	TT	1940347774
SNP_P1_105408_1813984	NC_021165.1	Ca_kabuli_chr06	1813984	TT	CC	1940347776
SNP_P1_105410_1814037	NC_021165.1	Ca_kabuli_chr06	1814037	TT	CC	1940347778
SNP_P1_105411_1814251	NC_021165.1	Ca_kabuli_chr06	1814251	GG	AA	1940347780
SNP_P1_105412_1814273	NC_021165.1	Ca_kabuli_chr06	1814273	AA	CC	1940347781
SNP_P1_105413_1814356	NC_021165.1	Ca_kabuli_chr06	1814356	CC	TT	1940347783
SNP_P1_105414_1814384	NC_021165.1	Ca_kabuli_chr06	1814384	AA	GG	1940347785
SNP_P1_105415_1814544	NC_021165.1	Ca_kabuli_chr06	1814544	TT	CC	1940347787
SNP_P1_105416_1814606	NC_021165.1	Ca_kabuli_chr06	1814606	CC	AA	1940347788
SNP_P1_105417_1814893	NC_021165.1	Ca_kabuli_chr06	1814893	CC	TT	1940347790
SNP_P1_105418_1815131	NC_021165.1	Ca_kabuli_chr06	1815131	AA	CC	1940347792
SNP_P1_105420_1817286	NC_021165.1	Ca_kabuli_chr06	1817286	TT	AA	1940347794
SNP_P1_105421_1818360	NC_021165.1	Ca_kabuli_chr06	1818360	AA	CC	1940347795
SNP_P1_105423_1819034	NC_021165.1	Ca_kabuli_chr06	1819034	GG	AA	1940347797
SNP_P1_105424_1819248	NC_021165.1	Ca_kabuli_chr06	1819248	TT	CC	1940347799
SNP_P1_105426_1819315	NC_021165.1	Ca_kabuli_chr06	1819315	TT	CC	1940347800
SNP_P1_105427_1819551	NC_021165.1	Ca_kabuli_chr06	1819551	GG	AA	1940347802
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SNP_P1_105429_1820227	NC_021165.1	Ca_kabuli_chr06	1820227	AA	TT	1940347806
SNP_P1_105431_1820927	NC_021165.1	Ca_kabuli_chr06	1820927	TT	CC	1940347807
SNP_P1_105432_1820938	NC_021165.1	Ca_kabuli_chr06	1820938	TT	AA	1940347809
SNP_P1_105433_1820952	NC_021165.1	Ca_kabuli_chr06	1820952	TT	CC	1940347811
SNP_P1_105434_1820958	NC_021165.1	Ca_kabuli_chr06	1820958	GG	AA	1940347813
SNP_P1_105435_1820966	NC_021165.1	Ca_kabuli_chr06	1820966	AA	GG	1940347814
SNP_P1_105436_1820991	NC_021165.1	Ca_kabuli_chr06	1820991	TT	CC	1940347816
SNP_P1_105437_1821009	NC_021165.1	Ca_kabuli_chr06	1821009	TT	CC	1940347818
SNP_P1_105438_1821037	NC_021165.1	Ca_kabuli_chr06	1821037	AA	GG	1940347819
SNP_P1_105439_1821293	NC_021165.1	Ca_kabuli_chr06	1821293	AA	CC	1940347821

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105441_1822094	NC_021165.1	Ca_kabuli_chr06	1822094	GG	AA	1940347825
SNP_P1_105443_1824006	NC_021165.1	Ca_kabuli_chr06	1824006	GG	AA	1940347826
SNP_P1_105444_1824026	NC_021165.1	Ca_kabuli_chr06	1824026	TT	GG	1940347828
SNP_P1_105445_1824068	NC_021165.1	Ca_kabuli_chr06	1824068	GG	TT	1940347830
SNP_P1_105447_1824167	NC_021165.1	Ca_kabuli_chr06	1824167	TT	CC	1940347832
SNP_P1_105448_1824261	NC_021165.1	Ca_kabuli_chr06	1824261	AA	GG	1940347833
SNP_P1_105449_1824305	NC_021165.1	Ca_kabuli_chr06	1824305	AA	GG	1940347835
SNP_P1_105450_1824306	NC_021165.1	Ca_kabuli_chr06	1824306	TT	CC	1940347837
SNP_P1_105452_1824365	NC_021165.1	Ca_kabuli_chr06	1824365	CC	TT	1940347838
SNP_P1_105455_1825486	NC_021165.1	Ca_kabuli_chr06	1825486	AA	GG	1940347840
SNP_P1_105456_1825615	NC_021165.1	Ca_kabuli_chr06	1825615	CC	TT	1940347842
SNP_P1_105457_1825650	NC_021165.1	Ca_kabuli_chr06	1825650	AA	GG	1940347844
SNP_P1_105458_1825662	NC_021165.1	Ca_kabuli_chr06	1825662	AA	TT	1940347845
SNP_P1_105459_1825668	NC_021165.1	Ca_kabuli_chr06	1825668	GG	AA	1940347847
SNP_P1_105460_1825685	NC_021165.1	Ca_kabuli_chr06	1825685	AA	GG	1940347849
SNP_P1_105461_1825913	NC_021165.1	Ca_kabuli_chr06	1825913	CC	GG	1940347851
SNP_P1_105464_1831214	NC_021165.1	Ca_kabuli_chr06	1831214	AA	TT	1940347852
SNP_P1_105465_1831215	NC_021165.1	Ca_kabuli_chr06	1831215	AA	TT	1940347854
SNP_P1_105466_1831256	NC_021165.1	Ca_kabuli_chr06	1831256	GG	AA	1940347856
SNP_P1_105467_1831276	NC_021165.1	Ca_kabuli_chr06	1831276	AA	TT	1940347857
SNP_P1_105468_1831312	NC_021165.1	Ca_kabuli_chr06	1831312	TT	AA	1940347859
SNP_P1_105471_1831642	NC_021165.1	Ca_kabuli_chr06	1831642	AA	CC	1940347861
SNP_P1_105472_1831647	NC_021165.1	Ca_kabuli_chr06	1831647	TT	CC	1940347863
SNP_P1_105473_1831657	NC_021165.1	Ca_kabuli_chr06	1831657	CC	TT	1940347864
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SNP_P1_105475_1831710	NC_021165.1	Ca_kabuli_chr06	1831710	TT	GG	1940347868
SNP_P1_105476_1832014	NC_021165.1	Ca_kabuli_chr06	1832014	TT	CC	1940347869
SNP_P1_105477_1832027	NC_021165.1	Ca_kabuli_chr06	1832027	AA	TT	1940347871
SNP_P1_105478_1832082	NC_021165.1	Ca_kabuli_chr06	1832082	GG	AA	1940347873
SNP_P1_105480_1834335	NC_021165.1	Ca_kabuli_chr06	1834335	AA	TT	1940347875
SNP_P1_105481_1838822	NC_021165.1	Ca_kabuli_chr06	1838822	CC	AA	1940347876
SNP_P1_105482_1841854	NC_021165.1	Ca_kabuli_chr06	1841854	TT	CC	1940347878
SNP_P1_105483_1842924	NC_021165.1	Ca_kabuli_chr06	1842924	GG	AA	1940347880
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SNP_P1_105485_1842998	NC_021165.1	Ca_kabuli_chr06	1842998	TT	GG	1940347883
SNP_P1_105486_1843279	NC_021165.1	Ca_kabuli_chr06	1843279	CC	TT	1940347885
SNP_P1_105487_1843922	NC_021165.1	Ca_kabuli_chr06	1843922	AA	GG	1940347887
SNP_P1_105488_1843949	NC_021165.1	Ca_kabuli_chr06	1843949	TT	CC	1940347888
SNP_P1_105489_1843960	NC_021165.1	Ca_kabuli_chr06	1843960	TT	CC	1940347890
SNP_P1_105490_1843996	NC_021165.1	Ca_kabuli_chr06	1843996	GG	TT	1940347892
SNP_P1_105491_1843999	NC_021165.1	Ca_kabuli_chr06	1843999	TT	CC	1940347894

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105494_1846506	NC_021165.1	Ca_kabuli_chr06	1846506	AA	GG	1940347899
SNP_P1_105496_1846539	NC_021165.1	Ca_kabuli_chr06	1846539	GG	CC	1940347901
SNP_P1_105498_1846607	NC_021165.1	Ca_kabuli_chr06	1846607	AA	CC	1940347902
SNP_P1_105499_1846615	NC_021165.1	Ca_kabuli_chr06	1846615	TT	CC	1940347904
SNP_P1_105500_1851159	NC_021165.1	Ca_kabuli_chr06	1851159	GG	TT	1940347906
SNP_P1_105502_1854296	NC_021165.1	Ca_kabuli_chr06	1854296	GG	TT	1940347907
SNP_P1_105505_1854398	NC_021165.1	Ca_kabuli_chr06	1854398	TT	AA	1940347909
SNP_P1_105506_1857687	NC_021165.1	Ca_kabuli_chr06	1857687	CC	TT	1940347911
SNP_P1_105508_1858037	NC_021165.1	Ca_kabuli_chr06	1858037	GG	TT	1940347913
SNP_P1_105509_1858063	NC_021165.1	Ca_kabuli_chr06	1858063	CC	TT	1940347914
SNP_P1_105510_1858080	NC_021165.1	Ca_kabuli_chr06	1858080	AA	GG	1940347916
SNP_P1_105511_1858119	NC_021165.1	Ca_kabuli_chr06	1858119	TT	CC	1940347918
SNP_P1_105512_1858963	NC_021165.1	Ca_kabuli_chr06	1858963	GG	AA	1940347919
SNP_P1_105514_1859382	NC_021165.1	Ca_kabuli_chr06	1859382	AA	GG	1940347921
SNP_P1_105515_1859412	NC_021165.1	Ca_kabuli_chr06	1859412	AA	GG	1940347923
SNP_P1_105516_1859809	NC_021165.1	Ca_kabuli_chr06	1859809	GG	AA	1940347925
SNP_P1_105517_1860881	NC_021165.1	Ca_kabuli_chr06	1860881	TT	CC	1940347926
SNP_P1_105518_1861504	NC_021165.1	Ca_kabuli_chr06	1861504	AA	GG	1940347928
SNP_P1_105519_1863785	NC_021165.1	Ca_kabuli_chr06	1863785	CC	AA	1940347930
SNP_P1_105520_1863789	NC_021165.1	Ca_kabuli_chr06	1863789	CC	TT	1940347932
SNP_P1_105521_1863821	NC_021165.1	Ca_kabuli_chr06	1863821	AA	GG	1940347933
SNP_P1_105522_1863829	NC_021165.1	Ca_kabuli_chr06	1863829	AA	GG	1940347935
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SNP_P1_105526_1864871	NC_021165.1	Ca_kabuli_chr06	1864871	GG	AA	1940347942
SNP_P1_105527_1864916	NC_021165.1	Ca_kabuli_chr06	1864916	AA	GG	1940347944
SNP_P1_105528_1865068	NC_021165.1	Ca_kabuli_chr06	1865068	AA	TT	1940347945
SNP_P1_105529_1865115	NC_021165.1	Ca_kabuli_chr06	1865115	GG	AA	1940347947
SNP_P1_105530_1865293	NC_021165.1	Ca_kabuli_chr06	1865293	AA	CC	1940347949
SNP_P1_105531_1865294	NC_021165.1	Ca_kabuli_chr06	1865294	GG	AA	1940347951
SNP_P1_105532_1865330	NC_021165.1	Ca_kabuli_chr06	1865330	AA	GG	1940347952
SNP_P1_105533_1865579	NC_021165.1	Ca_kabuli_chr06	1865579	GG	AA	1940347954
SNP_P1_105534_1865588	NC_021165.1	Ca_kabuli_chr06	1865588	GG	AA	1940347956
SNP_P1_105535_1865656	NC_021165.1	Ca_kabuli_chr06	1865656	AA	GG	1940347958
SNP_P1_105536_1865660	NC_021165.1	Ca_kabuli_chr06	1865660	TT	GG	1940347959
SNP_P1_105537_1865913	NC_021165.1	Ca_kabuli_chr06	1865913	GG	AA	1940347961
SNP_P1_105538_1865926	NC_021165.1	Ca_kabuli_chr06	1865926	CC	TT	1940347963
SNP_P1_105539_1865940	NC_021165.1	Ca_kabuli_chr06	1865940	AA	GG	1940347964
SNP_P1_105540_1865993	NC_021165.1	Ca_kabuli_chr06	1865993	GG	AA	1940347966

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105542_1866210	NC_021165.1	Ca_kabuli_chr06	1866210	TT	CC	1940347970
SNP_P1_105545_1866477	NC_021165.1	Ca_kabuli_chr06	1866477	AA	GG	1940347971
SNP_P1_105546_1866495	NC_021165.1	Ca_kabuli_chr06	1866495	AA	GG	1940347973
SNP_P1_105547_1866500	NC_021165.1	Ca_kabuli_chr06	1866500	CC	TT	1940347975
SNP_P1_105548_1866696	NC_021165.1	Ca_kabuli_chr06	1866696	TT	CC	1940347977
SNP_P1_105549_1866868	NC_021165.1	Ca_kabuli_chr06	1866868	CC	GG	1940347978
SNP_P1_105550_1866869	NC_021165.1	Ca_kabuli_chr06	1866869	AA	GG	1940347980
SNP_P1_105551_1866933	NC_021165.1	Ca_kabuli_chr06	1866933	TT	AA	1940347982
SNP_P1_105554_1867227	NC_021165.1	Ca_kabuli_chr06	1867227	AA	TT	1940347983
SNP_P1_105556_1867328	NC_021165.1	Ca_kabuli_chr06	1867328	AA	GG	1940347985
SNP_P1_105557_1867519	NC_021165.1	Ca_kabuli_chr06	1867519	AA	TT	1940347987
SNP_P1_105558_1867530	NC_021165.1	Ca_kabuli_chr06	1867530	TT	AA	1940347989
SNP_P1_105559_1884444	NC_021165.1	Ca_kabuli_chr06	1884444	GG	AA	1940347990
SNP_P1_105560_1896430	NC_021165.1	Ca_kabuli_chr06	1896430	CC	TT	1940347992
SNP_P1_105561_1925114	NC_021165.1	Ca_kabuli_chr06	1925114	TT	CC	1940347994
SNP_P1_105562_1926281	NC_021165.1	Ca_kabuli_chr06	1926281	TT	AA	1940347996
SNP_P1_105564_1943184	NC_021165.1	Ca_kabuli_chr06	1943184	AA	GG	1940347997
SNP_P1_105571_1976884	NC_021165.1	Ca_kabuli_chr06	1976884	GG	AA	1940347999
SNP_P1_105572_1976911	NC_021165.1	Ca_kabuli_chr06	1976911	AA	GG	1940348001
SNP_P1_105573_1977015	NC_021165.1	Ca_kabuli_chr06	1977015	AA	TT	1940348003
SNP_P1_105574_1977026	NC_021165.1	Ca_kabuli_chr06	1977026	TT	AA	1940348004
SNP_P1_105576_1977439	NC_021165.1	Ca_kabuli_chr06	1977439	TT	GG	1940348006
SNP_P1_105577_1977482	NC_021165.1	Ca_kabuli_chr06	1977482	TT	CC	1940348008
SNP_P1_105578_1977552	NC_021165.1	Ca_kabuli_chr06	1977552	CC	AA	1940348010
SNP_P1_105580_1977604	NC_021165.1	Ca_kabuli_chr06	1977604	TT	CC	1940348011
SNP_P1_105581_1977620	NC_021165.1	Ca_kabuli_chr06	1977620	GG	AA	1940348013
SNP_P1_105583_1978383	NC_021165.1	Ca_kabuli_chr06	1978383	TT	CC	1940348015
SNP_P1_105584_1978421	NC_021165.1	Ca_kabuli_chr06	1978421	TT	CC	1940348016
SNP_P1_105585_1978444	NC_021165.1	Ca_kabuli_chr06	1978444	TT	CC	1940348018
SNP_P1_105587_1978557	NC_021165.1	Ca_kabuli_chr06	1978557	AA	CC	1940348020
SNP_P1_105588_1978629	NC_021165.1	Ca_kabuli_chr06	1978629	AA	GG	1940348022
SNP_P1_105589_1978642	NC_021165.1	Ca_kabuli_chr06	1978642	TT	CC	1940348023
SNP_P1_105590_1978750	NC_021165.1	Ca_kabuli_chr06	1978750	TT	CC	1940348025
SNP_P1_105591_1978792	NC_021165.1	Ca_kabuli_chr06	1978792	CC	GG	1940348027
SNP_P1_105592_1994574	NC_021165.1	Ca_kabuli_chr06	1994574	AA	GG	1940348029
SNP_P1_105593_1994582	NC_021165.1	Ca_kabuli_chr06	1994582	AA	GG	1940348030
SNP_P1_105594_1994594	NC_021165.1	Ca_kabuli_chr06	1994594	CC	AA	1940348032
SNP_P1_105595_2011861	NC_021165.1	Ca_kabuli_chr06	2011861	TT	GG	1940348034
SNP_P1_105596_2072502	NC_021165.1	Ca_kabuli_chr06	2072502	CC	TT	1940348036
SNP_P1_105597_2111166	NC_021165.1	Ca_kabuli_chr06	2111166	TT	AA	1940348037
SNP_P1_105599_2194081	NC_021165.1	Ca_kabuli_chr06	2194081	CC	GG	1940348039

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105602_2231206	NC_021165.1	Ca_kabuli_chr06	2231206	TT	AA	1940348042
SNP_P1_105603_2231210	NC_021165.1	Ca_kabuli_chr06	2231210	AA	TT	1940348044
SNP_P1_105604_2233946	NC_021165.1	Ca_kabuli_chr06	2233946	GG	AA	1940348046
SNP_P1_105605_2234089	NC_021165.1	Ca_kabuli_chr06	2234089	AA	TT	1940348048
SNP_P1_105606_2241235	NC_021165.1	Ca_kabuli_chr06	2241235	GG	CC	1940348049
SNP_P1_105607_2247242	NC_021165.1	Ca_kabuli_chr06	2247242	AA	CC	1940348051
SNP_P1_105608_2250872	NC_021165.1	Ca_kabuli_chr06	2250872	AA	TT	1940348053
SNP_P1_105609_2251550	NC_021165.1	Ca_kabuli_chr06	2251550	GG	AA	1940348054
SNP_P1_105610_2257945	NC_021165.1	Ca_kabuli_chr06	2257945	GG	AA	1940348056
SNP_P1_105611_2272201	NC_021165.1	Ca_kabuli_chr06	2272201	GG	AA	1940348058
SNP_P1_105612_2272251	NC_021165.1	Ca_kabuli_chr06	2272251	AA	GG	1940348060
SNP_P1_105613_2272263	NC_021165.1	Ca_kabuli_chr06	2272263	CC	TT	1940348061
SNP_P1_105614_2272734	NC_021165.1	Ca_kabuli_chr06	2272734	AA	GG	1940348063
SNP_P1_105616_2288980	NC_021165.1	Ca_kabuli_chr06	2288980	GG	TT	1940348065
SNP_P1_105618_2288982	NC_021165.1	Ca_kabuli_chr06	2288982	CC	TT	1940348067
SNP_P1_105619_2307816	NC_021165.1	Ca_kabuli_chr06	2307816	AA	TT	1940348068
SNP_P1_105620_2327550	NC_021165.1	Ca_kabuli_chr06	2327550	GG	AA	1940348070
SNP_P1_105621_2329718	NC_021165.1	Ca_kabuli_chr06	2329718	AA	GG	1940348072
SNP_P1_105622_2336769	NC_021165.1	Ca_kabuli_chr06	2336769	CC	TT	1940348074
SNP_P1_105623_2342209	NC_021165.1	Ca_kabuli_chr06	2342209	TT	AA	1940348075
SNP_P1_105624_2352507	NC_021165.1	Ca_kabuli_chr06	2352507	TT	CC	1940348077
SNP_P1_105625_2353551	NC_021165.1	Ca_kabuli_chr06	2353551	AA	TT	1940348079
SNP_P1_105626_2354442	NC_021165.1	Ca_kabuli_chr06	2354442	GG	TT	1940348080
SNP_P1_105627_2354443	NC_021165.1	Ca_kabuli_chr06	2354443	TT	GG	1940348082
SNP_P1_105628_2356760	NC_021165.1	Ca_kabuli_chr06	2356760	AA	GG	1940348084
SNP_P1_105629_2374098	NC_021165.1	Ca_kabuli_chr06	2374098	TT	CC	1940348086
SNP_P1_105630_2374194	NC_021165.1	Ca_kabuli_chr06	2374194	TT	GG	1940348087
SNP_P1_105631_2374199	NC_021165.1	Ca_kabuli_chr06	2374199	TT	CC	1940348089
SNP_P1_105632_2374255	NC_021165.1	Ca_kabuli_chr06	2374255	AA	CC	1940348091
SNP_P1_105633_2374260	NC_021165.1	Ca_kabuli_chr06	2374260	AA	CC	1940348092
SNP_P1_105634_2374317	NC_021165.1	Ca_kabuli_chr06	2374317	TT	CC	1940348094
SNP_P1_105635_2374467	NC_021165.1	Ca_kabuli_chr06	2374467	AA	CC	1940348096
SNP_P1_105636_2374471	NC_021165.1	Ca_kabuli_chr06	2374471	TT	CC	1940348098
SNP_P1_105637_2374498	NC_021165.1	Ca_kabuli_chr06	2374498	AA	GG	1940348099
SNP_P1_105638_2374503	NC_021165.1	Ca_kabuli_chr06	2374503	TT	CC	1940348101
SNP_P1_105639_2374547	NC_021165.1	Ca_kabuli_chr06	2374547	TT	GG	1940348103
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SNP_P1_105641_2374641	NC_021165.1	Ca_kabuli_chr06	2374641	TT	CC	1940348106
SNP_P1_105642_2374713	NC_021165.1	Ca_kabuli_chr06	2374713	TT	CC	1940348108
SNP_P1_105643_2374718	NC_021165.1	Ca_kabuli_chr06	2374718	CC	TT	1940348110
SNP_P1_105644_2374726	NC_021165.1	Ca_kabuli_chr06	2374726	TT	GG	1940348112

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105650_2433439	NC_021165.1	Ca_kabuli_chr06	2433439	AA	GG	1940348115
SNP_P1_105651_2436073	NC_021165.1	Ca_kabuli_chr06	2436073	AA	TT	1940348117
SNP_P1_105652_2441105	NC_021165.1	Ca_kabuli_chr06	2441105	AA	CC	1940348119
SNP_P1_105653_2441131	NC_021165.1	Ca_kabuli_chr06	2441131	GG	AA	1940348120
SNP_P1_105654_2441132	NC_021165.1	Ca_kabuli_chr06	2441132	GG	TT	1940348122
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SNP_P1_105656_2441182	NC_021165.1	Ca_kabuli_chr06	2441182	TT	AA	1940348125
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SNP_P1_105658_2441422	NC_021165.1	Ca_kabuli_chr06	2441422	CC	TT	1940348129
SNP_P1_105660_2441522	NC_021165.1	Ca_kabuli_chr06	2441522	GG	AA	1940348131
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SNP_P1_105662_2472991	NC_021165.1	Ca_kabuli_chr06	2472991	AA	GG	1940348134
SNP_P1_105663_2473536	NC_021165.1	Ca_kabuli_chr06	2473536	TT	CC	1940348136
SNP_P1_105665_2478214	NC_021165.1	Ca_kabuli_chr06	2478214	CC	AA	1940348138
SNP_P1_105667_2493441	NC_021165.1	Ca_kabuli_chr06	2493441	GG	AA	1940348139
SNP_P1_105668_2495062	NC_021165.1	Ca_kabuli_chr06	2495062	TT	CC	1940348141
SNP_P1_105670_2511665	NC_021165.1	Ca_kabuli_chr06	2511665	TT	CC	1940348143
SNP_P1_105671_2511845	NC_021165.1	Ca_kabuli_chr06	2511845	AA	GG	1940348145
SNP_P1_105672_2511850	NC_021165.1	Ca_kabuli_chr06	2511850	AA	TT	1940348146
SNP_P1_105674_2512860	NC_021165.1	Ca_kabuli_chr06	2512860	TT	AA	1940348148
SNP_P1_105675_2512875	NC_021165.1	Ca_kabuli_chr06	2512875	GG	AA	1940348150
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SNP_P1_105681_2518551	NC_021165.1	Ca_kabuli_chr06	2518551	AA	GG	1940348160
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SNP_P1_105685_2518816	NC_021165.1	Ca_kabuli_chr06	2518816	GG	TT	1940348164
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SNP_P1_105693_2522601	NC_021165.1	Ca_kabuli_chr06	2522601	CC	TT	1940348177
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SNP_P1_105697_2523929	NC_021165.1	Ca_kabuli_chr06	2523929	GG	AA	1940348183
SNP_P1_105698_2523959	NC_021165.1	Ca_kabuli_chr06	2523959	GG	TT	1940348184

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105705_2524211	NC_021165.1	Ca_kabuli_chr06	2524211	TT	CC	1940348193
SNP_P1_105706_2524236	NC_021165.1	Ca_kabuli_chr06	2524236	TT	GG	1940348195
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SNP_P1_105709_2524275	NC_021165.1	Ca_kabuli_chr06	2524275	GG	TT	1940348200
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SNP_P1_105712_2524964	NC_021165.1	Ca_kabuli_chr06	2524964	CC	TT	1940348203
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SNP_P1_105736_2532160	NC_021165.1	Ca_kabuli_chr06	2532160	AA	CC	1940348240
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SNP_P1_105740_2533653	NC_021165.1	Ca_kabuli_chr06	2533653	GG	CC	1940348245
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SNP_P1_105743_2538890	NC_021165.1	Ca_kabuli_chr06	2538890	GG	AA	1940348248
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SNP_P1_105749_2541698	NC_021165.1	Ca_kabuli_chr06	2541698	AA	CC	1940348257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105753_2542351	NC_021165.1	Ca_kabuli_chr06	2542351	AA	CC	1940348264
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SNP_P1_105755_2542626	NC_021165.1	Ca_kabuli_chr06	2542626	TT	AA	1940348267
SNP_P1_105756_2542631	NC_021165.1	Ca_kabuli_chr06	2542631	TT	GG	1940348269
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SNP_P1_105773_2544419	NC_021165.1	Ca_kabuli_chr06	2544419	GG	AA	1940348298
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SNP_P1_105782_2565762	NC_021165.1	Ca_kabuli_chr06	2565762	TT	AA	1940348312
SNP_P1_105783_2574692	NC_021165.1	Ca_kabuli_chr06	2574692	CC	TT	1940348314
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SNP_P1_105795_2667543	NC_021165.1	Ca_kabuli_chr06	2667543	CC	AA	1940348330

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105805_2727043	NC_021165.1	Ca_kabuli_chr06	2727043	TT	CC	1940348338
SNP_P1_105806_2733402	NC_021165.1	Ca_kabuli_chr06	2733402	CC	TT	1940348340
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_105894_3182645	NC_021165.1	Ca_kabuli_chr06	3182645	TT	AA	1940348468
SNP_P1_105895_3183181	NC_021165.1	Ca_kabuli_chr06	3183181	GG	AA	1940348469
SNP_P1_105897_3195869	NC_021165.1	Ca_kabuli_chr06	3195869	GG	TT	1940348471
SNP_P1_105898_3209730	NC_021165.1	Ca_kabuli_chr06	3209730	CC	GG	1940348473
SNP_P1_105900_3248816	NC_021165.1	Ca_kabuli_chr06	3248816	TT	GG	1940348475

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_105901_3249488	NC_021165.1	Ca_kabuli_chr06	3249488	AA	CC	1940348476
SNP_P1_105902_3249867	NC_021165.1	Ca_kabuli_chr06	3249867	TT	GG	1940348478
SNP_P1_105903_3249868	NC_021165.1	Ca_kabuli_chr06	3249868	AA	TT	1940348480
SNP_P1_105904_3250130	NC_021165.1	Ca_kabuli_chr06	3250130	TT	GG	1940348481
SNP_P1_105905_3250138	NC_021165.1	Ca_kabuli_chr06	3250138	AA	GG	1940348483
SNP_P1_105906_3250227	NC_021165.1	Ca_kabuli_chr06	3250227	GG	AA	1940348485
SNP_P1_105907_3250363	NC_021165.1	Ca_kabuli_chr06	3250363	CC	AA	1940348487
SNP_P1_105908_3250388	NC_021165.1	Ca_kabuli_chr06	3250388	CC	AA	1940348488
SNP_P1_105909_3250429	NC_021165.1	Ca_kabuli_chr06	3250429	CC	AA	1940348490
SNP_P1_105910_3250445	NC_021165.1	Ca_kabuli_chr06	3250445	TT	CC	1940348492
SNP_P1_105911_3250448	NC_021165.1	Ca_kabuli_chr06	3250448	GG	AA	1940348494
SNP_P1_105912_3250482	NC_021165.1	Ca_kabuli_chr06	3250482	CC	TT	1940348495
SNP_P1_105913_3250529	NC_021165.1	Ca_kabuli_chr06	3250529	AA	TT	1940348497
SNP_P1_105914_3250552	NC_021165.1	Ca_kabuli_chr06	3250552	GG	AA	1940348499
SNP_P1_105915_3250564	NC_021165.1	Ca_kabuli_chr06	3250564	GG	AA	1940348500
SNP_P1_105917_3259816	NC_021165.1	Ca_kabuli_chr06	3259816	CC	TT	1940348502
SNP_P1_105918_3260855	NC_021165.1	Ca_kabuli_chr06	3260855	TT	AA	1940348504
SNP_P1_105919_3267585	NC_021165.1	Ca_kabuli_chr06	3267585	AA	TT	1940348506
SNP_P1_105920_3271817	NC_021165.1	Ca_kabuli_chr06	3271817	CC	TT	1940348507
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SNP_P1_105923_3325887	NC_021165.1	Ca_kabuli_chr06	3325887	GG	AA	1940348511
SNP_P1_105926_3346590	NC_021165.1	Ca_kabuli_chr06	3346590	GG	AA	1940348513
SNP_P1_105927_3347279	NC_021165.1	Ca_kabuli_chr06	3347279	AA	TT	1940348514
SNP_P1_105928_3347280	NC_021165.1	Ca_kabuli_chr06	3347280	AA	TT	1940348516
SNP_P1_105929_3347283	NC_021165.1	Ca_kabuli_chr06	3347283	TT	CC	1940348518
SNP_P1_105930_3347304	NC_021165.1	Ca_kabuli_chr06	3347304	GG	TT	1940348519
SNP_P1_105931_3347408	NC_021165.1	Ca_kabuli_chr06	3347408	CC	TT	1940348521
SNP_P1_105932_3347709	NC_021165.1	Ca_kabuli_chr06	3347709	AA	GG	1940348523
SNP_P1_105933_3348501	NC_021165.1	Ca_kabuli_chr06	3348501	GG	TT	1940348525
SNP_P1_105934_3348760	NC_021165.1	Ca_kabuli_chr06	3348760	TT	GG	1940348526
SNP_P1_105935_3348780	NC_021165.1	Ca_kabuli_chr06	3348780	AA	GG	1940348528
SNP_P1_105936_3348847	NC_021165.1	Ca_kabuli_chr06	3348847	GG	AA	1940348530
SNP_P1_105937_3348891	NC_021165.1	Ca_kabuli_chr06	3348891	AA	GG	1940348532
SNP_P1_105938_3349145	NC_021165.1	Ca_kabuli_chr06	3349145	TT	GG	1940348533
SNP_P1_105939_3349276	NC_021165.1	Ca_kabuli_chr06	3349276	CC	TT	1940348535
SNP_P1_105942_3351594	NC_021165.1	Ca_kabuli_chr06	3351594	GG	TT	1940348537
SNP_P1_105943_3351645	NC_021165.1	Ca_kabuli_chr06	3351645	GG	CC	1940348538
SNP_P1_105945_3351689	NC_021165.1	Ca_kabuli_chr06	3351689	AA	GG	1940348540
SNP_P1_105946_3351690	NC_021165.1	Ca_kabuli_chr06	3351690	AA	GG	1940348542
SNP_P1_105949_3351812	NC_021165.1	Ca_kabuli_chr06	3351812	AA	GG	1940348544
SNP_P1_105950_3351841	NC_021165.1	Ca_kabuli_chr06	3351841	TT	CC	1940348545
SNP_P1_105951_3351889	NC_021165.1	Ca_kabuli_chr06	3351889	AA	GG	1940348547

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_105952_3352891	NC_021165.1	Ca_kabuli_chr06	3352891	AA	GG	1940348549
SNP_P1_105954_3353060	NC_021165.1	Ca_kabuli_chr06	3353060	GG	AA	1940348551
SNP_P1_105955_3353065	NC_021165.1	Ca_kabuli_chr06	3353065	TT	CC	1940348552
SNP_P1_105956_3353066	NC_021165.1	Ca_kabuli_chr06	3353066	GG	AA	1940348554
SNP_P1_105957_3353108	NC_021165.1	Ca_kabuli_chr06	3353108	TT	AA	1940348556
SNP_P1_105958_3353142	NC_021165.1	Ca_kabuli_chr06	3353142	GG	TT	1940348558
SNP_P1_105959_3353160	NC_021165.1	Ca_kabuli_chr06	3353160	TT	AA	1940348559
SNP_P1_105960_3353202	NC_021165.1	Ca_kabuli_chr06	3353202	AA	CC	1940348561
SNP_P1_105961_3353420	NC_021165.1	Ca_kabuli_chr06	3353420	AA	CC	1940348563
SNP_P1_105962_3353475	NC_021165.1	Ca_kabuli_chr06	3353475	TT	AA	1940348564
SNP_P1_105963_3353492	NC_021165.1	Ca_kabuli_chr06	3353492	AA	TT	1940348566
SNP_P1_105964_3353859	NC_021165.1	Ca_kabuli_chr06	3353859	CC	AA	1940348568
SNP_P1_105965_3353923	NC_021165.1	Ca_kabuli_chr06	3353923	CC	TT	1940348570
SNP_P1_105966_3353957	NC_021165.1	Ca_kabuli_chr06	3353957	TT	CC	1940348571
SNP_P1_105967_3353990	NC_021165.1	Ca_kabuli_chr06	3353990	GG	TT	1940348573
SNP_P1_105968_3354029	NC_021165.1	Ca_kabuli_chr06	3354029	TT	AA	1940348575
SNP_P1_105969_3354042	NC_021165.1	Ca_kabuli_chr06	3354042	CC	TT	1940348577
SNP_P1_105970_3354090	NC_021165.1	Ca_kabuli_chr06	3354090	TT	CC	1940348578
SNP_P1_105971_3354164	NC_021165.1	Ca_kabuli_chr06	3354164	TT	CC	1940348580
SNP_P1_105972_3354179	NC_021165.1	Ca_kabuli_chr06	3354179	GG	AA	1940348582
SNP_P1_105973_3354505	NC_021165.1	Ca_kabuli_chr06	3354505	AA	GG	1940348583
SNP_P1_105975_3355306	NC_021165.1	Ca_kabuli_chr06	3355306	AA	TT	1940348585
SNP_P1_105976_3355372	NC_021165.1	Ca_kabuli_chr06	3355372	GG	TT	1940348587
SNP_P1_105977_3355386	NC_021165.1	Ca_kabuli_chr06	3355386	CC	AA	1940348589
SNP_P1_105978_3355613	NC_021165.1	Ca_kabuli_chr06	3355613	TT	CC	1940348590
SNP_P1_105979_3355644	NC_021165.1	Ca_kabuli_chr06	3355644	AA	GG	1940348592
SNP_P1_105980_3355680	NC_021165.1	Ca_kabuli_chr06	3355680	AA	TT	1940348594
SNP_P1_105981_3355726	NC_021165.1	Ca_kabuli_chr06	3355726	CC	AA	1940348596
SNP_P1_105982_3355753	NC_021165.1	Ca_kabuli_chr06	3355753	AA	GG	1940348597
SNP_P1_105984_3355898	NC_021165.1	Ca_kabuli_chr06	3355898	AA	TT	1940348599
SNP_P1_105986_3355954	NC_021165.1	Ca_kabuli_chr06	3355954	CC	TT	1940348601
SNP_P1_105987_3355961	NC_021165.1	Ca_kabuli_chr06	3355961	AA	GG	1940348602
SNP_P1_105988_3356057	NC_021165.1	Ca_kabuli_chr06	3356057	TT	CC	1940348604
SNP_P1_105989_3356083	NC_021165.1	Ca_kabuli_chr06	3356083	AA	GG	1940348606
SNP_P1_105990_3356120	NC_021165.1	Ca_kabuli_chr06	3356120	TT	AA	1940348608
SNP_P1_105991_3356150	NC_021165.1	Ca_kabuli_chr06	3356150	CC	AA	1940348609
SNP_P1_105992_3356152	NC_021165.1	Ca_kabuli_chr06	3356152	GG	AA	1940348611
SNP_P1_105993_3356222	NC_021165.1	Ca_kabuli_chr06	3356222	GG	TT	1940348613
SNP_P1_105994_3356250	NC_021165.1	Ca_kabuli_chr06	3356250	CC	AA	1940348615
SNP_P1_105995_3356260	NC_021165.1	Ca_kabuli_chr06	3356260	GG	AA	1940348616
SNP_P1_105996_3356425	NC_021165.1	Ca_kabuli_chr06	3356425	GG	AA	1940348618
SNP_P1_105997_3356473	NC_021165.1	Ca_kabuli_chr06	3356473	TT	CC	1940348620

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106000_3374657	NC_021165.1	Ca_kabuli_chr06	3374657	AA	TT	1940348623
SNP_P1_106001_3374707	NC_021165.1	Ca_kabuli_chr06	3374707	AA	GG	1940348625
SNP_P1_106002_3374806	NC_021165.1	Ca_kabuli_chr06	3374806	AA	GG	1940348627
SNP_P1_106003_3374986	NC_021165.1	Ca_kabuli_chr06	3374986	AA	GG	1940348628
SNP_P1_106004_3375015	NC_021165.1	Ca_kabuli_chr06	3375015	TT	CC	1940348630
SNP_P1_106005_3375051	NC_021165.1	Ca_kabuli_chr06	3375051	CC	GG	1940348632
SNP_P1_106006_3375089	NC_021165.1	Ca_kabuli_chr06	3375089	AA	TT	1940348634
SNP_P1_106007_3375209	NC_021165.1	Ca_kabuli_chr06	3375209	CC	TT	1940348635
SNP_P1_106009_3376348	NC_021165.1	Ca_kabuli_chr06	3376348	CC	AA	1940348637
SNP_P1_106010_3376424	NC_021165.1	Ca_kabuli_chr06	3376424	AA	GG	1940348639
SNP_P1_106011_3377141	NC_021165.1	Ca_kabuli_chr06	3377141	GG	CC	1940348640
SNP_P1_106012_3377575	NC_021165.1	Ca_kabuli_chr06	3377575	CC	AA	1940348642
SNP_P1_106014_3377604	NC_021165.1	Ca_kabuli_chr06	3377604	CC	GG	1940348644
SNP_P1_106015_3377612	NC_021165.1	Ca_kabuli_chr06	3377612	TT	CC	1940348646
SNP_P1_106016_3377624	NC_021165.1	Ca_kabuli_chr06	3377624	CC	TT	1940348647
SNP_P1_106017_3377633	NC_021165.1	Ca_kabuli_chr06	3377633	AA	GG	1940348649
SNP_P1_106018_3377644	NC_021165.1	Ca_kabuli_chr06	3377644	CC	GG	1940348651
SNP_P1_106019_3377675	NC_021165.1	Ca_kabuli_chr06	3377675	GG	AA	1940348653
SNP_P1_106020_3377688	NC_021165.1	Ca_kabuli_chr06	3377688	TT	CC	1940348654
SNP_P1_106021_3377867	NC_021165.1	Ca_kabuli_chr06	3377867	GG	TT	1940348656
SNP_P1_106022_3378086	NC_021165.1	Ca_kabuli_chr06	3378086	AA	CC	1940348658
SNP_P1_106023_3378096	NC_021165.1	Ca_kabuli_chr06	3378096	TT	CC	1940348660
SNP_P1_106024_3378114	NC_021165.1	Ca_kabuli_chr06	3378114	GG	AA	1940348661
SNP_P1_106025_3378765	NC_021165.1	Ca_kabuli_chr06	3378765	CC	TT	1940348663
SNP_P1_106026_3378773	NC_021165.1	Ca_kabuli_chr06	3378773	CC	TT	1940348665
SNP_P1_106027_3378972	NC_021165.1	Ca_kabuli_chr06	3378972	GG	AA	1940348667
SNP_P1_106028_3378989	NC_021165.1	Ca_kabuli_chr06	3378989	TT	CC	1940348668
SNP_P1_106029_3378992	NC_021165.1	Ca_kabuli_chr06	3378992	GG	AA	1940348670
SNP_P1_106030_3379033	NC_021165.1	Ca_kabuli_chr06	3379033	AA	GG	1940348672
SNP_P1_106031_3379217	NC_021165.1	Ca_kabuli_chr06	3379217	AA	GG	1940348673
SNP_P1_106033_3379517	NC_021165.1	Ca_kabuli_chr06	3379517	GG	AA	1940348675
SNP_P1_106034_3380832	NC_021165.1	Ca_kabuli_chr06	3380832	AA	GG	1940348677
SNP_P1_106037_3382747	NC_021165.1	Ca_kabuli_chr06	3382747	GG	AA	1940348679
SNP_P1_106038_3382770	NC_021165.1	Ca_kabuli_chr06	3382770	AA	GG	1940348680
SNP_P1_106039_3382771	NC_021165.1	Ca_kabuli_chr06	3382771	TT	AA	1940348682
SNP_P1_106041_3382848	NC_021165.1	Ca_kabuli_chr06	3382848	GG	TT	1940348684
SNP_P1_106042_3382890	NC_021165.1	Ca_kabuli_chr06	3382890	AA	CC	1940348686
SNP_P1_106044_3382960	NC_021165.1	Ca_kabuli_chr06	3382960	TT	GG	1940348687
SNP_P1_106045_3383016	NC_021165.1	Ca_kabuli_chr06	3383016	TT	AA	1940348689
SNP_P1_106046_3383066	NC_021165.1	Ca_kabuli_chr06	3383066	AA	GG	1940348691
SNP_P1_106047_3383082	NC_021165.1	Ca_kabuli_chr06	3383082	GG	TT	1940348692

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_106049_3387473	NC_021165.1	Ca_kabuli_chr06	3387473	TT	AA	1940348694
SNP_P1_106050_3387540	NC_021165.1	Ca_kabuli_chr06	3387540	AA	GG	1940348696
SNP_P1_106051_3387543	NC_021165.1	Ca_kabuli_chr06	3387543	GG	CC	1940348698
SNP_P1_106052_3387610	NC_021165.1	Ca_kabuli_chr06	3387610	CC	TT	1940348699
SNP_P1_106055_3387997	NC_021165.1	Ca_kabuli_chr06	3387997	TT	GG	1940348701
SNP_P1_106057_3388097	NC_021165.1	Ca_kabuli_chr06	3388097	GG	AA	1940348703
SNP_P1_106058_3389443	NC_021165.1	Ca_kabuli_chr06	3389443	CC	TT	1940348705
SNP_P1_106059_3392869	NC_021165.1	Ca_kabuli_chr06	3392869	AA	GG	1940348706
SNP_P1_106061_3393169	NC_021165.1	Ca_kabuli_chr06	3393169	GG	AA	1940348708
SNP_P1_106062_3393223	NC_021165.1	Ca_kabuli_chr06	3393223	CC	TT	1940348710
SNP_P1_106063_3393236	NC_021165.1	Ca_kabuli_chr06	3393236	AA	TT	1940348711
SNP_P1_106064_3393426	NC_021165.1	Ca_kabuli_chr06	3393426	GG	AA	1940348713
SNP_P1_106065_3393462	NC_021165.1	Ca_kabuli_chr06	3393462	TT	CC	1940348715
SNP_P1_106066_3393463	NC_021165.1	Ca_kabuli_chr06	3393463	TT	GG	1940348717
SNP_P1_106067_3393465	NC_021165.1	Ca_kabuli_chr06	3393465	CC	TT	1940348718
SNP_P1_106068_3393497	NC_021165.1	Ca_kabuli_chr06	3393497	CC	TT	1940348720
SNP_P1_106069_3393513	NC_021165.1	Ca_kabuli_chr06	3393513	TT	GG	1940348722
SNP_P1_106070_3393539	NC_021165.1	Ca_kabuli_chr06	3393539	CC	GG	1940348724
SNP_P1_106071_3393549	NC_021165.1	Ca_kabuli_chr06	3393549	AA	TT	1940348725
SNP_P1_106072_3393562	NC_021165.1	Ca_kabuli_chr06	3393562	CC	TT	1940348727
SNP_P1_106073_3393593	NC_021165.1	Ca_kabuli_chr06	3393593	GG	AA	1940348729
SNP_P1_106074_3393691	NC_021165.1	Ca_kabuli_chr06	3393691	AA	GG	1940348731
SNP_P1_106075_3393740	NC_021165.1	Ca_kabuli_chr06	3393740	TT	GG	1940348732
SNP_P1_106076_3393753	NC_021165.1	Ca_kabuli_chr06	3393753	AA	GG	1940348734
SNP_P1_106077_3393761	NC_021165.1	Ca_kabuli_chr06	3393761	AA	TT	1940348736
SNP_P1_106078_3393782	NC_021165.1	Ca_kabuli_chr06	3393782	CC	TT	1940348737
SNP_P1_106079_3393784	NC_021165.1	Ca_kabuli_chr06	3393784	TT	CC	1940348739
SNP_P1_106080_3393792	NC_021165.1	Ca_kabuli_chr06	3393792	AA	CC	1940348741
SNP_P1_106081_3393817	NC_021165.1	Ca_kabuli_chr06	3393817	GG	TT	1940348743
SNP_P1_106082_3393831	NC_021165.1	Ca_kabuli_chr06	3393831	TT	GG	1940348744
SNP_P1_106083_3393843	NC_021165.1	Ca_kabuli_chr06	3393843	AA	GG	1940348746
SNP_P1_106084_3393850	NC_021165.1	Ca_kabuli_chr06	3393850	TT	CC	1940348748
SNP_P1_106085_3393892	NC_021165.1	Ca_kabuli_chr06	3393892	GG	AA	1940348749
SNP_P1_106086_3393923	NC_021165.1	Ca_kabuli_chr06	3393923	AA	GG	1940348751
SNP_P1_106087_3393933	NC_021165.1	Ca_kabuli_chr06	3393933	CC	TT	1940348753
SNP_P1_106088_3394013	NC_021165.1	Ca_kabuli_chr06	3394013	AA	GG	1940348755
SNP_P1_106089_3394025	NC_021165.1	Ca_kabuli_chr06	3394025	TT	CC	1940348756
SNP_P1_106090_3394034	NC_021165.1	Ca_kabuli_chr06	3394034	AA	TT	1940348758
SNP_P1_106091_3394044	NC_021165.1	Ca_kabuli_chr06	3394044	GG	AA	1940348760
SNP_P1_106092_3394048	NC_021165.1	Ca_kabuli_chr06	3394048	CC	GG	1940348762
SNP_P1_106093_3394052	NC_021165.1	Ca_kabuli_chr06	3394052	TT	CC	1940348763
SNP_P1_106094_3394064	NC_021165.1	Ca_kabuli_chr06	3394064	CC	TT	1940348765

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106097_3394257	NC_021165.1	Ca_kabuli_chr06	3394257	TT	CC	1940348768
SNP_P1_106098_3394293	NC_021165.1	Ca_kabuli_chr06	3394293	CC	TT	1940348770
SNP_P1_106099_3394322	NC_021165.1	Ca_kabuli_chr06	3394322	TT	GG	1940348772
SNP_P1_106100_3394327	NC_021165.1	Ca_kabuli_chr06	3394327	AA	GG	1940348774
SNP_P1_106101_3394383	NC_021165.1	Ca_kabuli_chr06	3394383	TT	CC	1940348775
SNP_P1_106102_3394481	NC_021165.1	Ca_kabuli_chr06	3394481	TT	AA	1940348777
SNP_P1_106103_3394604	NC_021165.1	Ca_kabuli_chr06	3394604	CC	AA	1940348779
SNP_P1_106104_3394656	NC_021165.1	Ca_kabuli_chr06	3394656	TT	CC	1940348780
SNP_P1_106105_3394747	NC_021165.1	Ca_kabuli_chr06	3394747	CC	TT	1940348782
SNP_P1_106106_3394898	NC_021165.1	Ca_kabuli_chr06	3394898	AA	TT	1940348784
SNP_P1_106107_3394908	NC_021165.1	Ca_kabuli_chr06	3394908	GG	TT	1940348786
SNP_P1_106108_3394921	NC_021165.1	Ca_kabuli_chr06	3394921	AA	GG	1940348787
SNP_P1_106109_3395024	NC_021165.1	Ca_kabuli_chr06	3395024	GG	AA	1940348789
SNP_P1_106110_3395253	NC_021165.1	Ca_kabuli_chr06	3395253	GG	AA	1940348791
SNP_P1_106112_3395440	NC_021165.1	Ca_kabuli_chr06	3395440	AA	GG	1940348793
SNP_P1_106113_3395467	NC_021165.1	Ca_kabuli_chr06	3395467	TT	GG	1940348794
SNP_P1_106114_3395491	NC_021165.1	Ca_kabuli_chr06	3395491	TT	CC	1940348796
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SNP_P1_106117_3395512	NC_021165.1	Ca_kabuli_chr06	3395512	AA	TT	1940348801
SNP_P1_106118_3395528	NC_021165.1	Ca_kabuli_chr06	3395528	CC	TT	1940348803
SNP_P1_106119_3395546	NC_021165.1	Ca_kabuli_chr06	3395546	TT	CC	1940348805
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SNP_P1_106123_3395651	NC_021165.1	Ca_kabuli_chr06	3395651	CC	GG	1940348812
SNP_P1_106124_3395654	NC_021165.1	Ca_kabuli_chr06	3395654	CC	TT	1940348813
SNP_P1_106125_3395674	NC_021165.1	Ca_kabuli_chr06	3395674	CC	AA	1940348815
SNP_P1_106126_3395676	NC_021165.1	Ca_kabuli_chr06	3395676	GG	AA	1940348817
SNP_P1_106127_3395698	NC_021165.1	Ca_kabuli_chr06	3395698	CC	AA	1940348818
SNP_P1_106128_3395700	NC_021165.1	Ca_kabuli_chr06	3395700	GG	AA	1940348820
SNP_P1_106129_3395715	NC_021165.1	Ca_kabuli_chr06	3395715	AA	GG	1940348822
SNP_P1_106130_3395769	NC_021165.1	Ca_kabuli_chr06	3395769	GG	AA	1940348824
SNP_P1_106131_3395782	NC_021165.1	Ca_kabuli_chr06	3395782	TT	AA	1940348825
SNP_P1_106132_3395975	NC_021165.1	Ca_kabuli_chr06	3395975	AA	CC	1940348827
SNP_P1_106133_3405236	NC_021165.1	Ca_kabuli_chr06	3405236	AA	GG	1940348829
SNP_P1_106134_3411198	NC_021165.1	Ca_kabuli_chr06	3411198	GG	AA	1940348831
SNP_P1_106135_3414655	NC_021165.1	Ca_kabuli_chr06	3414655	AA	CC	1940348832
SNP_P1_106138_3429557	NC_021165.1	Ca_kabuli_chr06	3429557	TT	AA	1940348834
SNP_P1_106139_3439798	NC_021165.1	Ca_kabuli_chr06	3439798	GG	TT	1940348836
SNP_P1_106140_3453525	NC_021165.1	Ca_kabuli_chr06	3453525	TT	CC	1940348837

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106144_3553527	NC_021165.1	Ca_kabuli_chr06	3553527	TT	AA	1940348841
SNP_P1_106146_3591461	NC_021165.1	Ca_kabuli_chr06	3591461	AA	GG	1940348843
SNP_P1_106147_3591533	NC_021165.1	Ca_kabuli_chr06	3591533	AA	CC	1940348844
SNP_P1_106148_3591539	NC_021165.1	Ca_kabuli_chr06	3591539	GG	TT	1940348846
SNP_P1_106149_3591602	NC_021165.1	Ca_kabuli_chr06	3591602	AA	GG	1940348848
SNP_P1_106150_3591935	NC_021165.1	Ca_kabuli_chr06	3591935	GG	AA	1940348850
SNP_P1_106151_3591949	NC_021165.1	Ca_kabuli_chr06	3591949	CC	TT	1940348851
SNP_P1_106152_3592019	NC_021165.1	Ca_kabuli_chr06	3592019	AA	GG	1940348853
SNP_P1_106153_3592810	NC_021165.1	Ca_kabuli_chr06	3592810	GG	AA	1940348855
SNP_P1_106154_3648098	NC_021165.1	Ca_kabuli_chr06	3648098	TT	AA	1940348856
SNP_P1_106155_3668995	NC_021165.1	Ca_kabuli_chr06	3668995	CC	TT	1940348858
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SNP_P1_106157_3672637	NC_021165.1	Ca_kabuli_chr06	3672637	AA	GG	1940348862
SNP_P1_106160_3751672	NC_021165.1	Ca_kabuli_chr06	3751672	CC	GG	1940348863
SNP_P1_106161_3753183	NC_021165.1	Ca_kabuli_chr06	3753183	CC	AA	1940348865
SNP_P1_106164_3786843	NC_021165.1	Ca_kabuli_chr06	3786843	AA	GG	1940348867
SNP_P1_106165_3798574	NC_021165.1	Ca_kabuli_chr06	3798574	AA	CC	1940348869
SNP_P1_106166_3807012	NC_021165.1	Ca_kabuli_chr06	3807012	TT	CC	1940348870
SNP_P1_106167_3819798	NC_021165.1	Ca_kabuli_chr06	3819798	GG	AA	1940348872
SNP_P1_106168_3826306	NC_021165.1	Ca_kabuli_chr06	3826306	CC	AA	1940348874
SNP_P1_106169_3830212	NC_021165.1	Ca_kabuli_chr06	3830212	AA	TT	1940348875
SNP_P1_106172_3903490	NC_021165.1	Ca_kabuli_chr06	3903490	CC	TT	1940348877
SNP_P1_106174_3921963	NC_021165.1	Ca_kabuli_chr06	3921963	AA	GG	1940348879
SNP_P1_106175_3947639	NC_021165.1	Ca_kabuli_chr06	3947639	TT	AA	1940348881
SNP_P1_106176_3975477	NC_021165.1	Ca_kabuli_chr06	3975477	CC	GG	1940348882
SNP_P1_106177_3975479	NC_021165.1	Ca_kabuli_chr06	3975479	AA	GG	1940348884
SNP_P1_106178_3997270	NC_021165.1	Ca_kabuli_chr06	3997270	TT	GG	1940348886
SNP_P1_106179_4000878	NC_021165.1	Ca_kabuli_chr06	4000878	TT	CC	1940348888
SNP_P1_106180_4025213	NC_021165.1	Ca_kabuli_chr06	4025213	CC	TT	1940348889
SNP_P1_106181_4046701	NC_021165.1	Ca_kabuli_chr06	4046701	AA	GG	1940348891
SNP_P1_106183_4058556	NC_021165.1	Ca_kabuli_chr06	4058556	TT	CC	1940348893
SNP_P1_106184_4061016	NC_021165.1	Ca_kabuli_chr06	4061016	TT	GG	1940348895
SNP_P1_106185_4064879	NC_021165.1	Ca_kabuli_chr06	4064879	TT	AA	1940348896
SNP_P1_106186_4064881	NC_021165.1	Ca_kabuli_chr06	4064881	TT	AA	1940348898
SNP_P1_106187_4073266	NC_021165.1	Ca_kabuli_chr06	4073266	TT	CC	1940348900
SNP_P1_106188_4073327	NC_021165.1	Ca_kabuli_chr06	4073327	TT	CC	1940348901
SNP_P1_106189_4080202	NC_021165.1	Ca_kabuli_chr06	4080202	CC	TT	1940348903
SNP_P1_106192_4240728	NC_021165.1	Ca_kabuli_chr06	4240728	CC	AA	1940348905
SNP_P1_106193_4241708	NC_021165.1	Ca_kabuli_chr06	4241708	CC	TT	1940348907
SNP_P1_106194_4241738	NC_021165.1	Ca_kabuli_chr06	4241738	TT	CC	1940348908
SNP_P1_106196_4249280	NC_021165.1	Ca_kabuli_chr06	4249280	AA	GG	1940348910

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106198_4249556	NC_021165.1	Ca_kabuli_chr06	4249556	AA	GG	1940348914
SNP_P1_106199_4251367	NC_021165.1	Ca_kabuli_chr06	4251367	AA	GG	1940348915
SNP_P1_106200_4256622	NC_021165.1	Ca_kabuli_chr06	4256622	GG	CC	1940348917
SNP_P1_106201_4290347	NC_021165.1	Ca_kabuli_chr06	4290347	GG	AA	1940348919
SNP_P1_106203_4290648	NC_021165.1	Ca_kabuli_chr06	4290648	AA	CC	1940348920
SNP_P1_106204_4291065	NC_021165.1	Ca_kabuli_chr06	4291065	GG	AA	1940348922
SNP_P1_106205_4304951	NC_021165.1	Ca_kabuli_chr06	4304951	TT	CC	1940348924
SNP_P1_106206_4323605	NC_021165.1	Ca_kabuli_chr06	4323605	AA	GG	1940348926
SNP_P1_106208_4388531	NC_021165.1	Ca_kabuli_chr06	4388531	GG	AA	1940348927
SNP_P1_106210_4447480	NC_021165.1	Ca_kabuli_chr06	4447480	TT	AA	1940348929
SNP_P1_106211_4447482	NC_021165.1	Ca_kabuli_chr06	4447482	AA	GG	1940348931
SNP_P1_106212_4460604	NC_021165.1	Ca_kabuli_chr06	4460604	AA	TT	1940348933
SNP_P1_106213_4460605	NC_021165.1	Ca_kabuli_chr06	4460605	AA	TT	1940348934
SNP_P1_106214_4465138	NC_021165.1	Ca_kabuli_chr06	4465138	TT	AA	1940348936
SNP_P1_106215_4465150	NC_021165.1	Ca_kabuli_chr06	4465150	CC	TT	1940348938
SNP_P1_106217_4465294	NC_021165.1	Ca_kabuli_chr06	4465294	TT	CC	1940348939
SNP_P1_106218_4467976	NC_021165.1	Ca_kabuli_chr06	4467976	CC	TT	1940348941
SNP_P1_106219_4491611	NC_021165.1	Ca_kabuli_chr06	4491611	TT	CC	1940348943
SNP_P1_106221_4567956	NC_021165.1	Ca_kabuli_chr06	4567956	GG	AA	1940348945
SNP_P1_106222_4571389	NC_021165.1	Ca_kabuli_chr06	4571389	AA	CC	1940348946
SNP_P1_106224_4638586	NC_021165.1	Ca_kabuli_chr06	4638586	AA	GG	1940348948
SNP_P1_106227_4658183	NC_021165.1	Ca_kabuli_chr06	4658183	AA	GG	1940348950
SNP_P1_106229_4692709	NC_021165.1	Ca_kabuli_chr06	4692709	AA	TT	1940348952
SNP_P1_106230_4692848	NC_021165.1	Ca_kabuli_chr06	4692848	TT	GG	1940348953
SNP_P1_106232_4699319	NC_021165.1	Ca_kabuli_chr06	4699319	TT	GG	1940348955
SNP_P1_106233_4699503	NC_021165.1	Ca_kabuli_chr06	4699503	GG	AA	1940348957
SNP_P1_106234_4699509	NC_021165.1	Ca_kabuli_chr06	4699509	TT	GG	1940348958
SNP_P1_106235_4699725	NC_021165.1	Ca_kabuli_chr06	4699725	TT	AA	1940348960
SNP_P1_106236_4699773	NC_021165.1	Ca_kabuli_chr06	4699773	TT	AA	1940348962
SNP_P1_106237_4706159	NC_021165.1	Ca_kabuli_chr06	4706159	GG	TT	1940348964
SNP_P1_106238_4712912	NC_021165.1	Ca_kabuli_chr06	4712912	AA	GG	1940348965
SNP_P1_106239_4713000	NC_021165.1	Ca_kabuli_chr06	4713000	AA	GG	1940348967
SNP_P1_106240_4713064	NC_021165.1	Ca_kabuli_chr06	4713064	TT	AA	1940348969
SNP_P1_106241_4713071	NC_021165.1	Ca_kabuli_chr06	4713071	CC	TT	1940348971
SNP_P1_106242_4713103	NC_021165.1	Ca_kabuli_chr06	4713103	TT	CC	1940348972
SNP_P1_106243_4713164	NC_021165.1	Ca_kabuli_chr06	4713164	AA	TT	1940348974
SNP_P1_106244_4713260	NC_021165.1	Ca_kabuli_chr06	4713260	TT	AA	1940348976
SNP_P1_106245_4713296	NC_021165.1	Ca_kabuli_chr06	4713296	GG	AA	1940348977
SNP_P1_106246_4713325	NC_021165.1	Ca_kabuli_chr06	4713325	AA	TT	1940348979
SNP_P1_106247_4713594	NC_021165.1	Ca_kabuli_chr06	4713594	AA	CC	1940348981
SNP_P1_106249_4764129	NC_021165.1	Ca_kabuli_chr06	4764129	AA	TT	1940348983

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106254_4812860	NC_021165.1	Ca_kabuli_chr06	4812860	AA	GG	1940348986
SNP_P1_106255_4823123	NC_021165.1	Ca_kabuli_chr06	4823123	AA	CC	1940348988
SNP_P1_106257_4824948	NC_021165.1	Ca_kabuli_chr06	4824948	GG	TT	1940348990
SNP_P1_106259_4837157	NC_021165.1	Ca_kabuli_chr06	4837157	CC	GG	1940348991
SNP_P1_106260_4837220	NC_021165.1	Ca_kabuli_chr06	4837220	GG	AA	1940348993
SNP_P1_106261_4849363	NC_021165.1	Ca_kabuli_chr06	4849363	GG	AA	1940348995
SNP_P1_106262_4856361	NC_021165.1	Ca_kabuli_chr06	4856361	TT	CC	1940348997
SNP_P1_106263_4866649	NC_021165.1	Ca_kabuli_chr06	4866649	TT	CC	1940348998
SNP_P1_106264_4868386	NC_021165.1	Ca_kabuli_chr06	4868386	AA	GG	1940349000
SNP_P1_106265_4873616	NC_021165.1	Ca_kabuli_chr06	4873616	GG	TT	1940349002
SNP_P1_106266_4873638	NC_021165.1	Ca_kabuli_chr06	4873638	GG	TT	1940349003
SNP_P1_106267_4873642	NC_021165.1	Ca_kabuli_chr06	4873642	CC	TT	1940349005
SNP_P1_106268_4913277	NC_021165.1	Ca_kabuli_chr06	4913277	CC	TT	1940349007
SNP_P1_106269_4928168	NC_021165.1	Ca_kabuli_chr06	4928168	GG	AA	1940349009
SNP_P1_106270_4933393	NC_021165.1	Ca_kabuli_chr06	4933393	TT	AA	1940349010
SNP_P1_106271_4947211	NC_021165.1	Ca_kabuli_chr06	4947211	GG	AA	1940349012
SNP_P1_106272_4953017	NC_021165.1	Ca_kabuli_chr06	4953017	AA	GG	1940349014
SNP_P1_106273_4972731	NC_021165.1	Ca_kabuli_chr06	4972731	AA	GG	1940349016
SNP_P1_106274_4976399	NC_021165.1	Ca_kabuli_chr06	4976399	GG	CC	1940349017
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SNP_P1_106276_4983138	NC_021165.1	Ca_kabuli_chr06	4983138	AA	GG	1940349021
SNP_P1_106278_5017334	NC_021165.1	Ca_kabuli_chr06	5017334	CC	TT	1940349022
SNP_P1_106279_5039694	NC_021165.1	Ca_kabuli_chr06	5039694	TT	GG	1940349024
SNP_P1_106280_5067368	NC_021165.1	Ca_kabuli_chr06	5067368	AA	GG	1940349026
SNP_P1_106281_5070132	NC_021165.1	Ca_kabuli_chr06	5070132	CC	TT	1940349028
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SNP_P1_106284_5075393	NC_021165.1	Ca_kabuli_chr06	5075393	GG	AA	1940349033
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SNP_P1_106286_5087042	NC_021165.1	Ca_kabuli_chr06	5087042	TT	GG	1940349036
SNP_P1_106287_5100138	NC_021165.1	Ca_kabuli_chr06	5100138	TT	CC	1940349038
SNP_P1_106288_5129378	NC_021165.1	Ca_kabuli_chr06	5129378	TT	CC	1940349040
SNP_P1_106290_5168432	NC_021165.1	Ca_kabuli_chr06	5168432	TT	CC	1940349041
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SNP_P1_106293_5200640	NC_021165.1	Ca_kabuli_chr06	5200640	AA	GG	1940349045
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SNP_P1_106295_5227475	NC_021165.1	Ca_kabuli_chr06	5227475	CC	TT	1940349048
SNP_P1_106296_5241162	NC_021165.1	Ca_kabuli_chr06	5241162	AA	GG	1940349050
SNP_P1_106297_5252536	NC_021165.1	Ca_kabuli_chr06	5252536	AA	TT	1940349052
SNP_P1_106298_5263151	NC_021165.1	Ca_kabuli_chr06	5263151	AA	GG	1940349054
SNP_P1_106299_5263600	NC_021165.1	Ca_kabuli_chr06	5263600	GG	AA	1940349055

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106302_5287617	NC_021165.1	Ca_kabuli_chr06	5287617	GG	AA	1940349060
SNP_P1_106303_5287636	NC_021165.1	Ca_kabuli_chr06	5287636	GG	AA	1940349062
SNP_P1_106304_5287885	NC_021165.1	Ca_kabuli_chr06	5287885	AA	GG	1940349064
SNP_P1_106306_5287955	NC_021165.1	Ca_kabuli_chr06	5287955	TT	GG	1940349066
SNP_P1_106307_5289275	NC_021165.1	Ca_kabuli_chr06	5289275	TT	CC	1940349067
SNP_P1_106308_5289279	NC_021165.1	Ca_kabuli_chr06	5289279	AA	GG	1940349069
SNP_P1_106311_5297327	NC_021165.1	Ca_kabuli_chr06	5297327	TT	AA	1940349071
SNP_P1_106312_5300981	NC_021165.1	Ca_kabuli_chr06	5300981	GG	AA	1940349073
SNP_P1_106313_5318089	NC_021165.1	Ca_kabuli_chr06	5318089	AA	TT	1940349074
SNP_P1_106314_5329527	NC_021165.1	Ca_kabuli_chr06	5329527	TT	CC	1940349076
SNP_P1_106315_5329528	NC_021165.1	Ca_kabuli_chr06	5329528	TT	CC	1940349078
SNP_P1_106316_5332252	NC_021165.1	Ca_kabuli_chr06	5332252	CC	TT	1940349079
SNP_P1_106317_5332852	NC_021165.1	Ca_kabuli_chr06	5332852	GG	AA	1940349081
SNP_P1_106319_5334515	NC_021165.1	Ca_kabuli_chr06	5334515	GG	AA	1940349083
SNP_P1_106320_5335020	NC_021165.1	Ca_kabuli_chr06	5335020	TT	CC	1940349085
SNP_P1_106321_5335088	NC_021165.1	Ca_kabuli_chr06	5335088	CC	TT	1940349086
SNP_P1_106322_5335382	NC_021165.1	Ca_kabuli_chr06	5335382	TT	AA	1940349088
SNP_P1_106323_5335429	NC_021165.1	Ca_kabuli_chr06	5335429	CC	TT	1940349090
SNP_P1_106324_5335435	NC_021165.1	Ca_kabuli_chr06	5335435	TT	CC	1940349092
SNP_P1_106325_5335473	NC_021165.1	Ca_kabuli_chr06	5335473	CC	TT	1940349093
SNP_P1_106326_5335617	NC_021165.1	Ca_kabuli_chr06	5335617	TT	CC	1940349095
SNP_P1_106327_5341974	NC_021165.1	Ca_kabuli_chr06	5341974	AA	GG	1940349097
SNP_P1_106330_5377431	NC_021165.1	Ca_kabuli_chr06	5377431	CC	TT	1940349098
SNP_P1_106331_5382071	NC_021165.1	Ca_kabuli_chr06	5382071	CC	TT	1940349100
SNP_P1_106332_5385822	NC_021165.1	Ca_kabuli_chr06	5385822	TT	CC	1940349102
SNP_P1_106333_5386431	NC_021165.1	Ca_kabuli_chr06	5386431	CC	TT	1940349104
SNP_P1_106335_5441173	NC_021165.1	Ca_kabuli_chr06	5441173	GG	AA	1940349105
SNP_P1_106336_5449340	NC_021165.1	Ca_kabuli_chr06	5449340	AA	CC	1940349107
SNP_P1_106337_5449347	NC_021165.1	Ca_kabuli_chr06	5449347	AA	TT	1940349109
SNP_P1_106338_5460329	NC_021165.1	Ca_kabuli_chr06	5460329	CC	TT	1940349111
SNP_P1_106339_5466064	NC_021165.1	Ca_kabuli_chr06	5466064	TT	GG	1940349112
SNP_P1_106340_5475973	NC_021165.1	Ca_kabuli_chr06	5475973	AA	TT	1940349114
SNP_P1_106341_5489033	NC_021165.1	Ca_kabuli_chr06	5489033	AA	CC	1940349116
SNP_P1_106343_5498898	NC_021165.1	Ca_kabuli_chr06	5498898	CC	TT	1940349117
SNP_P1_106344_5499011	NC_021165.1	Ca_kabuli_chr06	5499011	GG	TT	1940349119
SNP_P1_106346_5539652	NC_021165.1	Ca_kabuli_chr06	5539652	AA	GG	1940349121
SNP_P1_106347_5539653	NC_021165.1	Ca_kabuli_chr06	5539653	TT	GG	1940349123
SNP_P1_106348_5548776	NC_021165.1	Ca_kabuli_chr06	5548776	GG	AA	1940349124
SNP_P1_106349_5549210	NC_021165.1	Ca_kabuli_chr06	5549210	GG	CC	1940349126
SNP_P1_106351_5573443	NC_021165.1	Ca_kabuli_chr06	5573443	TT	GG	1940349128

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106354_5603951	NC_021165.1	Ca_kabuli_chr06	5603951	AA	GG	1940349133
SNP_P1_106358_5666346	NC_021165.1	Ca_kabuli_chr06	5666346	AA	TT	1940349135
SNP_P1_106359_5668002	NC_021165.1	Ca_kabuli_chr06	5668002	AA	GG	1940349136
SNP_P1_106360_5668006	NC_021165.1	Ca_kabuli_chr06	5668006	TT	GG	1940349138
SNP_P1_106361_5669873	NC_021165.1	Ca_kabuli_chr06	5669873	AA	GG	1940349140
SNP_P1_106362_5683702	NC_021165.1	Ca_kabuli_chr06	5683702	CC	TT	1940349142
SNP_P1_106363_5713774	NC_021165.1	Ca_kabuli_chr06	5713774	AA	TT	1940349143
SNP_P1_106364_5713775	NC_021165.1	Ca_kabuli_chr06	5713775	TT	AA	1940349145
SNP_P1_106365_5722981	NC_021165.1	Ca_kabuli_chr06	5722981	AA	GG	1940349147
SNP_P1_106366_5726762	NC_021165.1	Ca_kabuli_chr06	5726762	GG	AA	1940349149
SNP_P1_106367_5726776	NC_021165.1	Ca_kabuli_chr06	5726776	GG	TT	1940349150
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SNP_P1_106372_5748233	NC_021165.1	Ca_kabuli_chr06	5748233	CC	AA	1940349157
SNP_P1_106373_5757944	NC_021165.1	Ca_kabuli_chr06	5757944	TT	CC	1940349159
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SNP_P1_106378_5841041	NC_021165.1	Ca_kabuli_chr06	5841041	CC	TT	1940349168
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SNP_P1_106388_5949612	NC_021165.1	Ca_kabuli_chr06	5949612	TT	AA	1940349183
SNP_P1_106389_5950025	NC_021165.1	Ca_kabuli_chr06	5950025	AA	TT	1940349185
SNP_P1_106390_5951942	NC_021165.1	Ca_kabuli_chr06	5951942	TT	GG	1940349187
SNP_P1_106391_5957401	NC_021165.1	Ca_kabuli_chr06	5957401	GG	AA	1940349188
SNP_P1_106393_6012386	NC_021165.1	Ca_kabuli_chr06	6012386	AA	GG	1940349190
SNP_P1_106395_6036204	NC_021165.1	Ca_kabuli_chr06	6036204	AA	GG	1940349192
SNP_P1_106396_6036910	NC_021165.1	Ca_kabuli_chr06	6036910	GG	AA	1940349194
SNP_P1_106397_6045732	NC_021165.1	Ca_kabuli_chr06	6045732	AA	TT	1940349195
SNP_P1_106399_6074578	NC_021165.1	Ca_kabuli_chr06	6074578	TT	CC	1940349197
SNP_P1_106400_6140182	NC_021165.1	Ca_kabuli_chr06	6140182	TT	CC	1940349199
SNP_P1_106401_6142886	NC_021165.1	Ca_kabuli_chr06	6142886	TT	GG	1940349200

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106408_6204091	NC_021165.1	Ca_kabuli_chr06	6204091	TT	CC	1940349206
SNP_P1_106410_6224698	NC_021165.1	Ca_kabuli_chr06	6224698	AA	TT	1940349207
SNP_P1_106411_6238403	NC_021165.1	Ca_kabuli_chr06	6238403	AA	GG	1940349209
SNP_P1_106412_6300274	NC_021165.1	Ca_kabuli_chr06	6300274	TT	GG	1940349211
SNP_P1_106413_6304962	NC_021165.1	Ca_kabuli_chr06	6304962	TT	CC	1940349213
SNP_P1_106414_6305905	NC_021165.1	Ca_kabuli_chr06	6305905	AA	GG	1940349214
SNP_P1_106416_6319824	NC_021165.1	Ca_kabuli_chr06	6319824	AA	TT	1940349216
SNP_P1_106417_6320938	NC_021165.1	Ca_kabuli_chr06	6320938	TT	CC	1940349218
SNP_P1_106418_6320940	NC_021165.1	Ca_kabuli_chr06	6320940	AA	GG	1940349219
SNP_P1_106419_6321248	NC_021165.1	Ca_kabuli_chr06	6321248	AA	CC	1940349221
SNP_P1_106421_6333751	NC_021165.1	Ca_kabuli_chr06	6333751	AA	TT	1940349223
SNP_P1_106422_6336367	NC_021165.1	Ca_kabuli_chr06	6336367	GG	AA	1940349225
SNP_P1_106424_6346509	NC_021165.1	Ca_kabuli_chr06	6346509	CC	GG	1940349226
SNP_P1_106425_6355038	NC_021165.1	Ca_kabuli_chr06	6355038	AA	GG	1940349228
SNP_P1_106426_6357098	NC_021165.1	Ca_kabuli_chr06	6357098	GG	AA	1940349230
SNP_P1_106427_6357817	NC_021165.1	Ca_kabuli_chr06	6357817	AA	TT	1940349232
SNP_P1_106428_6383319	NC_021165.1	Ca_kabuli_chr06	6383319	AA	GG	1940349233
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SNP_P1_106430_6392616	NC_021165.1	Ca_kabuli_chr06	6392616	GG	AA	1940349237
SNP_P1_106431_6406867	NC_021165.1	Ca_kabuli_chr06	6406867	AA	GG	1940349239
SNP_P1_106432_6407260	NC_021165.1	Ca_kabuli_chr06	6407260	GG	AA	1940349240
SNP_P1_106433_6409563	NC_021165.1	Ca_kabuli_chr06	6409563	CC	TT	1940349242
SNP_P1_106435_6409977	NC_021165.1	Ca_kabuli_chr06	6409977	GG	CC	1940349244
SNP_P1_106436_6410090	NC_021165.1	Ca_kabuli_chr06	6410090	TT	GG	1940349245
SNP_P1_106437_6410097	NC_021165.1	Ca_kabuli_chr06	6410097	TT	CC	1940349247
SNP_P1_106438_6410106	NC_021165.1	Ca_kabuli_chr06	6410106	AA	CC	1940349249
SNP_P1_106439_6410126	NC_021165.1	Ca_kabuli_chr06	6410126	CC	GG	1940349251
SNP_P1_106440_6410507	NC_021165.1	Ca_kabuli_chr06	6410507	GG	AA	1940349252
SNP_P1_106441_6410534	NC_021165.1	Ca_kabuli_chr06	6410534	CC	AA	1940349254
SNP_P1_106442_6410552	NC_021165.1	Ca_kabuli_chr06	6410552	CC	AA	1940349256
SNP_P1_106443_6410570	NC_021165.1	Ca_kabuli_chr06	6410570	AA	CC	1940349257
SNP_P1_106444_6410573	NC_021165.1	Ca_kabuli_chr06	6410573	TT	CC	1940349259
SNP_P1_106445_6410686	NC_021165.1	Ca_kabuli_chr06	6410686	CC	TT	1940349261
SNP_P1_106446_6410715	NC_021165.1	Ca_kabuli_chr06	6410715	AA	CC	1940349263
SNP_P1_106447_6410737	NC_021165.1	Ca_kabuli_chr06	6410737	CC	TT	1940349264
SNP_P1_106448_6411115	NC_021165.1	Ca_kabuli_chr06	6411115	CC	TT	1940349266
SNP_P1_106452_6411434	NC_021165.1	Ca_kabuli_chr06	6411434	TT	AA	1940349268
SNP_P1_106453_6416842	NC_021165.1	Ca_kabuli_chr06	6416842	AA	GG	1940349270
SNP_P1_106454_6417589	NC_021165.1	Ca_kabuli_chr06	6417589	CC	TT	1940349271
SNP_P1_106455_6432304	NC_021165.1	Ca_kabuli_chr06	6432304	TT	CC	1940349273

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106460_6455397	NC_021165.1	Ca_kabuli_chr06	6455397	AA	GG	1940349276
SNP_P1_106461_6455448	NC_021165.1	Ca_kabuli_chr06	6455448	GG	AA	1940349278
SNP_P1_106464_6491825	NC_021165.1	Ca_kabuli_chr06	6491825	AA	TT	1940349280
SNP_P1_106465_6495623	NC_021165.1	Ca_kabuli_chr06	6495623	CC	TT	1940349282
SNP_P1_106466_6496308	NC_021165.1	Ca_kabuli_chr06	6496308	GG	AA	1940349283
SNP_P1_106467_6518755	NC_021165.1	Ca_kabuli_chr06	6518755	CC	TT	1940349285
SNP_P1_106468_6519491	NC_021165.1	Ca_kabuli_chr06	6519491	CC	TT	1940349287
SNP_P1_106469_6535371	NC_021165.1	Ca_kabuli_chr06	6535371	AA	TT	1940349288
SNP_P1_106470_6580437	NC_021165.1	Ca_kabuli_chr06	6580437	TT	CC	1940349290
SNP_P1_106474_6612626	NC_021165.1	Ca_kabuli_chr06	6612626	TT	AA	1940349292
SNP_P1_106475_6622539	NC_021165.1	Ca_kabuli_chr06	6622539	AA	CC	1940349294
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SNP_P1_106479_6646193	NC_021165.1	Ca_kabuli_chr06	6646193	AA	GG	1940349301
SNP_P1_106480_6653973	NC_021165.1	Ca_kabuli_chr06	6653973	AA	GG	1940349302
SNP_P1_106482_6731392	NC_021165.1	Ca_kabuli_chr06	6731392	GG	AA	1940349304
SNP_P1_106484_6749249	NC_021165.1	Ca_kabuli_chr06	6749249	AA	TT	1940349306
SNP_P1_106485_6749281	NC_021165.1	Ca_kabuli_chr06	6749281	AA	GG	1940349307
SNP_P1_106486_6749299	NC_021165.1	Ca_kabuli_chr06	6749299	TT	CC	1940349309
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SNP_P1_106491_6760396	NC_021165.1	Ca_kabuli_chr06	6760396	TT	AA	1940349314
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SNP_P1_106493_6785474	NC_021165.1	Ca_kabuli_chr06	6785474	TT	GG	1940349318
SNP_P1_106494_6785943	NC_021165.1	Ca_kabuli_chr06	6785943	GG	TT	1940349320
SNP_P1_106496_6797181	NC_021165.1	Ca_kabuli_chr06	6797181	AA	GG	1940349321
SNP_P1_106497_6812794	NC_021165.1	Ca_kabuli_chr06	6812794	AA	TT	1940349323
SNP_P1_106499_6850938	NC_021165.1	Ca_kabuli_chr06	6850938	CC	GG	1940349325
SNP_P1_106501_6863328	NC_021165.1	Ca_kabuli_chr06	6863328	AA	GG	1940349326
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SNP_P1_106504_6913879	NC_021165.1	Ca_kabuli_chr06	6913879	CC	TT	1940349332
SNP_P1_106505_6914127	NC_021165.1	Ca_kabuli_chr06	6914127	GG	CC	1940349333
SNP_P1_106509_6922421	NC_021165.1	Ca_kabuli_chr06	6922421	AA	TT	1940349335
SNP_P1_106510_6922873	NC_021165.1	Ca_kabuli_chr06	6922873	CC	AA	1940349337
SNP_P1_106511_6922928	NC_021165.1	Ca_kabuli_chr06	6922928	CC	TT	1940349339
SNP_P1_106512_6922950	NC_021165.1	Ca_kabuli_chr06	6922950	TT	AA	1940349340
SNP_P1_106513_6922971	NC_021165.1	Ca_kabuli_chr06	6922971	AA	TT	1940349342
SNP_P1_106515_6945020	NC_021165.1	Ca_kabuli_chr06	6945020	CC	AA	1940349344
SNP_P1_106516_6945023	NC_021165.1	Ca_kabuli_chr06	6945023	AA	TT	1940349345

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_106518_6967998	NC_021165.1	Ca_kabuli_chr06	6967998	TT	CC	1940349347
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SNP_P1_106520_6968050	NC_021165.1	Ca_kabuli_chr06	6968050	TT	CC	1940349351
SNP_P1_106521_6968052	NC_021165.1	Ca_kabuli_chr06	6968052	TT	AA	1940349352
SNP_P1_106522_6968061	NC_021165.1	Ca_kabuli_chr06	6968061	AA	TT	1940349354
SNP_P1_106523_6968073	NC_021165.1	Ca_kabuli_chr06	6968073	TT	CC	1940349356
SNP_P1_106524_6969850	NC_021165.1	Ca_kabuli_chr06	6969850	CC	GG	1940349358
SNP_P1_106525_6981463	NC_021165.1	Ca_kabuli_chr06	6981463	CC	GG	1940349359
SNP_P1_106526_6984565	NC_021165.1	Ca_kabuli_chr06	6984565	TT	GG	1940349361
SNP_P1_106528_6990590	NC_021165.1	Ca_kabuli_chr06	6990590	GG	TT	1940349363
SNP_P1_106530_7012353	NC_021165.1	Ca_kabuli_chr06	7012353	TT	CC	1940349364
SNP_P1_106531_7015316	NC_021165.1	Ca_kabuli_chr06	7015316	AA	GG	1940349366
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SNP_P1_106536_7099591	NC_021165.1	Ca_kabuli_chr06	7099591	AA	CC	1940349375
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SNP_P1_106538_7120020	NC_021165.1	Ca_kabuli_chr06	7120020	CC	TT	1940349378
SNP_P1_106539_7122036	NC_021165.1	Ca_kabuli_chr06	7122036	GG	AA	1940349380
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SNP_P1_106543_7151344	NC_021165.1	Ca_kabuli_chr06	7151344	TT	AA	1940349383
SNP_P1_106544_7151352	NC_021165.1	Ca_kabuli_chr06	7151352	TT	GG	1940349385
SNP_P1_106545_7151356	NC_021165.1	Ca_kabuli_chr06	7151356	TT	CC	1940349387
SNP_P1_106546_7157173	NC_021165.1	Ca_kabuli_chr06	7157173	CC	AA	1940349389
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SNP_P1_106550_7192204	NC_021165.1	Ca_kabuli_chr06	7192204	CC	TT	1940349396
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SNP_P1_106552_7192215	NC_021165.1	Ca_kabuli_chr06	7192215	AA	CC	1940349399
SNP_P1_106553_7192360	NC_021165.1	Ca_kabuli_chr06	7192360	TT	CC	1940349401
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SNP_P1_106556_7223651	NC_021165.1	Ca_kabuli_chr06	7223651	CC	TT	1940349404
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SNP_P1_106558_7231830	NC_021165.1	Ca_kabuli_chr06	7231830	TT	GG	1940349408
SNP_P1_106559_7232362	NC_021165.1	Ca_kabuli_chr06	7232362	CC	TT	1940349409
SNP_P1_106560_7253939	NC_021165.1	Ca_kabuli_chr06	7253939	CC	TT	1940349411
SNP_P1_106562_7261022	NC_021165.1	Ca_kabuli_chr06	7261022	GG	CC	1940349413
SNP_P1_106563_7261031	NC_021165.1	Ca_kabuli_chr06	7261031	CC	GG	1940349415
SNP_P1_106564_7284292	NC_021165.1	Ca_kabuli_chr06	7284292	GG	AA	1940349416
SNP_P1_106565_7287067	NC_021165.1	Ca_kabuli_chr06	7287067	CC	AA	1940349418

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_106566_7331668	NC_021165.1	Ca_kabuli_chr06	7331668	TT	CC	1940349420
SNP_P1_106567_7342005	NC_021165.1	Ca_kabuli_chr06	7342005	GG	AA	1940349421
SNP_P1_106568_7344748	NC_021165.1	Ca_kabuli_chr06	7344748	TT	CC	1940349423
SNP_P1_106570_7357481	NC_021165.1	Ca_kabuli_chr06	7357481	TT	AA	1940349425
SNP_P1_106571_7358426	NC_021165.1	Ca_kabuli_chr06	7358426	CC	TT	1940349427
SNP_P1_106572_7364300	NC_021165.1	Ca_kabuli_chr06	7364300	GG	AA	1940349428
SNP_P1_106573_7369811	NC_021165.1	Ca_kabuli_chr06	7369811	CC	TT	1940349430
SNP_P1_106575_7375107	NC_021165.1	Ca_kabuli_chr06	7375107	AA	GG	1940349432
SNP_P1_106576_7383357	NC_021165.1	Ca_kabuli_chr06	7383357	TT	CC	1940349434
SNP_P1_106578_7404646	NC_021165.1	Ca_kabuli_chr06	7404646	TT	AA	1940349435
SNP_P1_106580_7443185	NC_021165.1	Ca_kabuli_chr06	7443185	GG	AA	1940349437
SNP_P1_106582_7460121	NC_021165.1	Ca_kabuli_chr06	7460121	CC	TT	1940349439
SNP_P1_106584_7462993	NC_021165.1	Ca_kabuli_chr06	7462993	CC	TT	1940349440
SNP_P1_106585_7483293	NC_021165.1	Ca_kabuli_chr06	7483293	CC	TT	1940349442
SNP_P1_106587_7495511	NC_021165.1	Ca_kabuli_chr06	7495511	GG	AA	1940349444
SNP_P1_106588_7537073	NC_021165.1	Ca_kabuli_chr06	7537073	GG	AA	1940349446
SNP_P1_106589_7537425	NC_021165.1	Ca_kabuli_chr06	7537425	TT	CC	1940349447
SNP_P1_106590_7537746	NC_021165.1	Ca_kabuli_chr06	7537746	TT	CC	1940349449
SNP_P1_106592_7549453	NC_021165.1	Ca_kabuli_chr06	7549453	AA	CC	1940349451
SNP_P1_106593_7550599	NC_021165.1	Ca_kabuli_chr06	7550599	AA	GG	1940349453
SNP_P1_106594_7551368	NC_021165.1	Ca_kabuli_chr06	7551368	GG	AA	1940349454
SNP_P1_106595_7551865	NC_021165.1	Ca_kabuli_chr06	7551865	CC	AA	1940349456
SNP_P1_106596_7552797	NC_021165.1	Ca_kabuli_chr06	7552797	GG	AA	1940349458
SNP_P1_106598_7553694	NC_021165.1	Ca_kabuli_chr06	7553694	AA	CC	1940349459
SNP_P1_106599_7554094	NC_021165.1	Ca_kabuli_chr06	7554094	AA	TT	1940349461
SNP_P1_106600_7554313	NC_021165.1	Ca_kabuli_chr06	7554313	AA	TT	1940349463
SNP_P1_106602_7555125	NC_021165.1	Ca_kabuli_chr06	7555125	CC	TT	1940349465
SNP_P1_106603_7555855	NC_021165.1	Ca_kabuli_chr06	7555855	TT	AA	1940349466
SNP_P1_106604_7555877	NC_021165.1	Ca_kabuli_chr06	7555877	TT	CC	1940349468
SNP_P1_106605_7556706	NC_021165.1	Ca_kabuli_chr06	7556706	AA	TT	1940349470
SNP_P1_106606_7556728	NC_021165.1	Ca_kabuli_chr06	7556728	GG	TT	1940349472
SNP_P1_106607_7556889	NC_021165.1	Ca_kabuli_chr06	7556889	TT	CC	1940349473
SNP_P1_106608_7557116	NC_021165.1	Ca_kabuli_chr06	7557116	AA	CC	1940349475
SNP_P1_106609_7557831	NC_021165.1	Ca_kabuli_chr06	7557831	AA	GG	1940349477
SNP_P1_106610_7558096	NC_021165.1	Ca_kabuli_chr06	7558096	TT	CC	1940349478
SNP_P1_106612_7558542	NC_021165.1	Ca_kabuli_chr06	7558542	AA	GG	1940349480
SNP_P1_106613_7558569	NC_021165.1	Ca_kabuli_chr06	7558569	GG	AA	1940349482
SNP_P1_106614_7558599	NC_021165.1	Ca_kabuli_chr06	7558599	GG	TT	1940349484
SNP_P1_106615_7559641	NC_021165.1	Ca_kabuli_chr06	7559641	CC	AA	1940349485
SNP_P1_106616_7560315	NC_021165.1	Ca_kabuli_chr06	7560315	TT	CC	1940349487
SNP_P1_106617_7560714	NC_021165.1	Ca_kabuli_chr06	7560714	GG	AA	1940349489
SNP_P1_106618_7560780	NC_021165.1	Ca_kabuli_chr06	7560780	GG	TT	1940349491

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106620_7561865	NC_021165.1	Ca_kabuli_chr06	7561865	CC	AA	1940349494
SNP_P1_106621_7561902	NC_021165.1	Ca_kabuli_chr06	7561902	AA	GG	1940349496
SNP_P1_106622_7562865	NC_021165.1	Ca_kabuli_chr06	7562865	GG	AA	1940349497
SNP_P1_106623_7563436	NC_021165.1	Ca_kabuli_chr06	7563436	AA	GG	1940349499
SNP_P1_106624_7563983	NC_021165.1	Ca_kabuli_chr06	7563983	TT	CC	1940349501
SNP_P1_106625_7564186	NC_021165.1	Ca_kabuli_chr06	7564186	CC	TT	1940349503
SNP_P1_106626_7564657	NC_021165.1	Ca_kabuli_chr06	7564657	GG	AA	1940349504
SNP_P1_106627_7564975	NC_021165.1	Ca_kabuli_chr06	7564975	AA	CC	1940349506
SNP_P1_106628_7565534	NC_021165.1	Ca_kabuli_chr06	7565534	TT	AA	1940349508
SNP_P1_106629_7565636	NC_021165.1	Ca_kabuli_chr06	7565636	TT	CC	1940349510
SNP_P1_106630_7565722	NC_021165.1	Ca_kabuli_chr06	7565722	GG	AA	1940349511
SNP_P1_106631_7565937	NC_021165.1	Ca_kabuli_chr06	7565937	GG	TT	1940349513
SNP_P1_106632_7567824	NC_021165.1	Ca_kabuli_chr06	7567824	AA	GG	1940349515
SNP_P1_106633_7567880	NC_021165.1	Ca_kabuli_chr06	7567880	CC	TT	1940349516
SNP_P1_106634_7568039	NC_021165.1	Ca_kabuli_chr06	7568039	CC	TT	1940349518
SNP_P1_106636_7568615	NC_021165.1	Ca_kabuli_chr06	7568615	CC	TT	1940349520
SNP_P1_106637_7568709	NC_021165.1	Ca_kabuli_chr06	7568709	GG	AA	1940349522
SNP_P1_106638_7569291	NC_021165.1	Ca_kabuli_chr06	7569291	CC	AA	1940349523
SNP_P1_106639_7569314	NC_021165.1	Ca_kabuli_chr06	7569314	GG	AA	1940349525
SNP_P1_106640_7572113	NC_021165.1	Ca_kabuli_chr06	7572113	AA	TT	1940349527
SNP_P1_106642_7573532	NC_021165.1	Ca_kabuli_chr06	7573532	TT	AA	1940349529
SNP_P1_106643_7573697	NC_021165.1	Ca_kabuli_chr06	7573697	CC	TT	1940349530
SNP_P1_106644_7575420	NC_021165.1	Ca_kabuli_chr06	7575420	AA	GG	1940349532
SNP_P1_106645_7575424	NC_021165.1	Ca_kabuli_chr06	7575424	CC	TT	1940349534
SNP_P1_106646_7575995	NC_021165.1	Ca_kabuli_chr06	7575995	GG	TT	1940349535
SNP_P1_106647_7578569	NC_021165.1	Ca_kabuli_chr06	7578569	CC	AA	1940349537
SNP_P1_106648_7579189	NC_021165.1	Ca_kabuli_chr06	7579189	GG	AA	1940349539
SNP_P1_106649_7579579	NC_021165.1	Ca_kabuli_chr06	7579579	TT	CC	1940349541
SNP_P1_106650_7580671	NC_021165.1	Ca_kabuli_chr06	7580671	GG	TT	1940349542
SNP_P1_106651_7581799	NC_021165.1	Ca_kabuli_chr06	7581799	TT	CC	1940349544
SNP_P1_106652_7583538	NC_021165.1	Ca_kabuli_chr06	7583538	GG	AA	1940349546
SNP_P1_106653_7583682	NC_021165.1	Ca_kabuli_chr06	7583682	CC	TT	1940349548
SNP_P1_106655_7583827	NC_021165.1	Ca_kabuli_chr06	7583827	TT	CC	1940349549
SNP_P1_106657_7587195	NC_021165.1	Ca_kabuli_chr06	7587195	CC	GG	1940349551
SNP_P1_106659_7587859	NC_021165.1	Ca_kabuli_chr06	7587859	CC	TT	1940349553
SNP_P1_106660_7587888	NC_021165.1	Ca_kabuli_chr06	7587888	CC	TT	1940349555
SNP_P1_106662_7587932	NC_021165.1	Ca_kabuli_chr06	7587932	TT	AA	1940349556
SNP_P1_106663_7587971	NC_021165.1	Ca_kabuli_chr06	7587971	GG	AA	1940349558
SNP_P1_106665_7588145	NC_021165.1	Ca_kabuli_chr06	7588145	GG	AA	1940349560
SNP_P1_106666_7588185	NC_021165.1	Ca_kabuli_chr06	7588185	AA	TT	1940349561
SNP_P1_106668_7588290	NC_021165.1	Ca_kabuli_chr06	7588290	AA	TT	1940349563

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_106669_7588371	NC_021165.1	Ca_kabuli_chr06	7588371	AA	GG	1940349565
SNP_P1_106670_7588373	NC_021165.1	Ca_kabuli_chr06	7588373	AA	GG	1940349567
SNP_P1_106674_7588824	NC_021165.1	Ca_kabuli_chr06	7588824	TT	CC	1940349568
SNP_P1_106676_7588879	NC_021165.1	Ca_kabuli_chr06	7588879	AA	GG	1940349570
SNP_P1_106678_7589011	NC_021165.1	Ca_kabuli_chr06	7589011	AA	GG	1940349572
SNP_P1_106679_7589032	NC_021165.1	Ca_kabuli_chr06	7589032	TT	CC	1940349573
SNP_P1_106680_7589169	NC_021165.1	Ca_kabuli_chr06	7589169	GG	TT	1940349575
SNP_P1_106681_7589184	NC_021165.1	Ca_kabuli_chr06	7589184	CC	TT	1940349577
SNP_P1_106682_7589461	NC_021165.1	Ca_kabuli_chr06	7589461	AA	GG	1940349579
SNP_P1_106683_7589709	NC_021165.1	Ca_kabuli_chr06	7589709	AA	GG	1940349580
SNP_P1_106684_7589711	NC_021165.1	Ca_kabuli_chr06	7589711	AA	GG	1940349582
SNP_P1_106685_7589743	NC_021165.1	Ca_kabuli_chr06	7589743	GG	AA	1940349584
SNP_P1_106686_7589768	NC_021165.1	Ca_kabuli_chr06	7589768	CC	GG	1940349586
SNP_P1_106687_7589778	NC_021165.1	Ca_kabuli_chr06	7589778	GG	AA	1940349587
SNP_P1_106688_7589782	NC_021165.1	Ca_kabuli_chr06	7589782	CC	TT	1940349589
SNP_P1_106689_7589783	NC_021165.1	Ca_kabuli_chr06	7589783	CC	AA	1940349591
SNP_P1_106690_7589843	NC_021165.1	Ca_kabuli_chr06	7589843	CC	TT	1940349593
SNP_P1_106691_7590007	NC_021165.1	Ca_kabuli_chr06	7590007	GG	AA	1940349594
SNP_P1_106692_7590072	NC_021165.1	Ca_kabuli_chr06	7590072	TT	GG	1940349596
SNP_P1_106694_7590096	NC_021165.1	Ca_kabuli_chr06	7590096	CC	TT	1940349598
SNP_P1_106696_7590252	NC_021165.1	Ca_kabuli_chr06	7590252	TT	CC	1940349599
SNP_P1_106697_7591841	NC_021165.1	Ca_kabuli_chr06	7591841	GG	CC	1940349601
SNP_P1_106698_7592732	NC_021165.1	Ca_kabuli_chr06	7592732	CC	AA	1940349603
SNP_P1_106701_7593442	NC_021165.1	Ca_kabuli_chr06	7593442	CC	TT	1940349605
SNP_P1_106702_7593840	NC_021165.1	Ca_kabuli_chr06	7593840	GG	AA	1940349606
SNP_P1_106703_7594168	NC_021165.1	Ca_kabuli_chr06	7594168	GG	CC	1940349608
SNP_P1_106704_7594588	NC_021165.1	Ca_kabuli_chr06	7594588	AA	CC	1940349610
SNP_P1_106705_7594598	NC_021165.1	Ca_kabuli_chr06	7594598	AA	GG	1940349612
SNP_P1_106707_7595418	NC_021165.1	Ca_kabuli_chr06	7595418	GG	AA	1940349613
SNP_P1_106709_7595512	NC_021165.1	Ca_kabuli_chr06	7595512	TT	GG	1940349615
SNP_P1_106710_7595518	NC_021165.1	Ca_kabuli_chr06	7595518	AA	GG	1940349617
SNP_P1_106712_7596766	NC_021165.1	Ca_kabuli_chr06	7596766	TT	CC	1940349618
SNP_P1_106713_7596782	NC_021165.1	Ca_kabuli_chr06	7596782	CC	GG	1940349620
SNP_P1_106714_7596821	NC_021165.1	Ca_kabuli_chr06	7596821	CC	TT	1940349622
SNP_P1_106715_7596867	NC_021165.1	Ca_kabuli_chr06	7596867	CC	TT	1940349624
SNP_P1_106716_7597553	NC_021165.1	Ca_kabuli_chr06	7597553	AA	GG	1940349625
SNP_P1_106717_7599353	NC_021165.1	Ca_kabuli_chr06	7599353	GG	AA	1940349627
SNP_P1_106718_7599435	NC_021165.1	Ca_kabuli_chr06	7599435	TT	CC	1940349629
SNP_P1_106719_7599763	NC_021165.1	Ca_kabuli_chr06	7599763	CC	TT	1940349630
SNP_P1_106720_7599919	NC_021165.1	Ca_kabuli_chr06	7599919	AA	GG	1940349632
SNP_P1_106721_7600072	NC_021165.1	Ca_kabuli_chr06	7600072	CC	TT	1940349634
SNP_P1_106722_7601484	NC_021165.1	Ca_kabuli_chr06	7601484	GG	AA	1940349636

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106724_7601900	NC_021165.1	Ca_kabuli_chr06	7601900	CC	TT	1940349639
SNP_P1_106725_7602197	NC_021165.1	Ca_kabuli_chr06	7602197	GG	TT	1940349641
SNP_P1_106726_7603436	NC_021165.1	Ca_kabuli_chr06	7603436	GG	AA	1940349643
SNP_P1_106727_7603560	NC_021165.1	Ca_kabuli_chr06	7603560	CC	TT	1940349644
SNP_P1_106728_7604360	NC_021165.1	Ca_kabuli_chr06	7604360	AA	TT	1940349646
SNP_P1_106729_7606375	NC_021165.1	Ca_kabuli_chr06	7606375	CC	TT	1940349648
SNP_P1_106731_7606850	NC_021165.1	Ca_kabuli_chr06	7606850	CC	TT	1940349649
SNP_P1_106732_7608161	NC_021165.1	Ca_kabuli_chr06	7608161	AA	GG	1940349651
SNP_P1_106733_7609365	NC_021165.1	Ca_kabuli_chr06	7609365	AA	GG	1940349653
SNP_P1_106734_7609380	NC_021165.1	Ca_kabuli_chr06	7609380	GG	AA	1940349655
SNP_P1_106735_7609453	NC_021165.1	Ca_kabuli_chr06	7609453	TT	GG	1940349656
SNP_P1_106736_7609485	NC_021165.1	Ca_kabuli_chr06	7609485	GG	CC	1940349658
SNP_P1_106737_7609573	NC_021165.1	Ca_kabuli_chr06	7609573	GG	AA	1940349660
SNP_P1_106738_7610335	NC_021165.1	Ca_kabuli_chr06	7610335	TT	CC	1940349662
SNP_P1_106739_7611345	NC_021165.1	Ca_kabuli_chr06	7611345	TT	GG	1940349663
SNP_P1_106740_7611356	NC_021165.1	Ca_kabuli_chr06	7611356	TT	CC	1940349665
SNP_P1_106742_7612784	NC_021165.1	Ca_kabuli_chr06	7612784	TT	AA	1940349667
SNP_P1_106744_7612900	NC_021165.1	Ca_kabuli_chr06	7612900	AA	GG	1940349668
SNP_P1_106745_7612903	NC_021165.1	Ca_kabuli_chr06	7612903	CC	TT	1940349670
SNP_P1_106746_7612977	NC_021165.1	Ca_kabuli_chr06	7612977	GG	TT	1940349672
SNP_P1_106747_7612997	NC_021165.1	Ca_kabuli_chr06	7612997	AA	TT	1940349674
SNP_P1_106748_7613292	NC_021165.1	Ca_kabuli_chr06	7613292	CC	TT	1940349675
SNP_P1_106749_7614046	NC_021165.1	Ca_kabuli_chr06	7614046	AA	GG	1940349677
SNP_P1_106750_7614183	NC_021165.1	Ca_kabuli_chr06	7614183	AA	GG	1940349679
SNP_P1_106752_7614416	NC_021165.1	Ca_kabuli_chr06	7614416	AA	TT	1940349681
SNP_P1_106753_7614585	NC_021165.1	Ca_kabuli_chr06	7614585	CC	TT	1940349682
SNP_P1_106754_7614607	NC_021165.1	Ca_kabuli_chr06	7614607	AA	GG	1940349684
SNP_P1_106755_7614758	NC_021165.1	Ca_kabuli_chr06	7614758	AA	CC	1940349686
SNP_P1_106756_7614816	NC_021165.1	Ca_kabuli_chr06	7614816	CC	GG	1940349687
SNP_P1_106757_7615454	NC_021165.1	Ca_kabuli_chr06	7615454	CC	TT	1940349689
SNP_P1_106759_7621231	NC_021165.1	Ca_kabuli_chr06	7621231	TT	CC	1940349691
SNP_P1_106760_7621504	NC_021165.1	Ca_kabuli_chr06	7621504	CC	TT	1940349693
SNP_P1_106762_7621736	NC_021165.1	Ca_kabuli_chr06	7621736	AA	CC	1940349694
SNP_P1_106763_7625866	NC_021165.1	Ca_kabuli_chr06	7625866	AA	GG	1940349696
SNP_P1_106764_7626033	NC_021165.1	Ca_kabuli_chr06	7626033	CC	AA	1940349698
SNP_P1_106765_7626335	NC_021165.1	Ca_kabuli_chr06	7626335	AA	GG	1940349700
SNP_P1_106766_7626579	NC_021165.1	Ca_kabuli_chr06	7626579	GG	AA	1940349701
SNP_P1_106769_7628313	NC_021165.1	Ca_kabuli_chr06	7628313	GG	AA	1940349703
SNP_P1_106770_7629102	NC_021165.1	Ca_kabuli_chr06	7629102	AA	GG	1940349705
SNP_P1_106772_7629583	NC_021165.1	Ca_kabuli_chr06	7629583	TT	CC	1940349707
SNP_P1_106774_7629850	NC_021165.1	Ca_kabuli_chr06	7629850	TT	CC	1940349708

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106776_7630374	NC_021165.1	Ca_kabuli_chr06	7630374	CC	GG	1940349712
SNP_P1_106777_7630586	NC_021165.1	Ca_kabuli_chr06	7630586	AA	GG	1940349713
SNP_P1_106778_7631704	NC_021165.1	Ca_kabuli_chr06	7631704	AA	TT	1940349715
SNP_P1_106781_7632214	NC_021165.1	Ca_kabuli_chr06	7632214	GG	AA	1940349717
SNP_P1_106782_7632340	NC_021165.1	Ca_kabuli_chr06	7632340	TT	CC	1940349719
SNP_P1_106783_7632350	NC_021165.1	Ca_kabuli_chr06	7632350	AA	GG	1940349720
SNP_P1_106784_7632524	NC_021165.1	Ca_kabuli_chr06	7632524	GG	CC	1940349722
SNP_P1_106785_7632583	NC_021165.1	Ca_kabuli_chr06	7632583	TT	CC	1940349724
SNP_P1_106786_7632724	NC_021165.1	Ca_kabuli_chr06	7632724	AA	GG	1940349725
SNP_P1_106787_7632732	NC_021165.1	Ca_kabuli_chr06	7632732	CC	GG	1940349727
SNP_P1_106788_7634202	NC_021165.1	Ca_kabuli_chr06	7634202	GG	AA	1940349729
SNP_P1_106789_7634207	NC_021165.1	Ca_kabuli_chr06	7634207	TT	CC	1940349731
SNP_P1_106790_7634213	NC_021165.1	Ca_kabuli_chr06	7634213	AA	CC	1940349732
SNP_P1_106791_7635021	NC_021165.1	Ca_kabuli_chr06	7635021	AA	TT	1940349734
SNP_P1_106792_7635809	NC_021165.1	Ca_kabuli_chr06	7635809	TT	CC	1940349736
SNP_P1_106793_7635818	NC_021165.1	Ca_kabuli_chr06	7635818	TT	AA	1940349738
SNP_P1_106794_7635821	NC_021165.1	Ca_kabuli_chr06	7635821	TT	CC	1940349739
SNP_P1_106795_7635824	NC_021165.1	Ca_kabuli_chr06	7635824	GG	AA	1940349741
SNP_P1_106796_7636156	NC_021165.1	Ca_kabuli_chr06	7636156	CC	TT	1940349743
SNP_P1_106797_7637731	NC_021165.1	Ca_kabuli_chr06	7637731	AA	TT	1940349745
SNP_P1_106798_7637740	NC_021165.1	Ca_kabuli_chr06	7637740	GG	AA	1940349746
SNP_P1_106799_7637745	NC_021165.1	Ca_kabuli_chr06	7637745	TT	AA	1940349748
SNP_P1_106800_7638717	NC_021165.1	Ca_kabuli_chr06	7638717	TT	CC	1940349750
SNP_P1_106801_7638783	NC_021165.1	Ca_kabuli_chr06	7638783	TT	GG	1940349751
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SNP_P1_106807_7642453	NC_021165.1	Ca_kabuli_chr06	7642453	CC	GG	1940349757
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SNP_P1_106809_7643072	NC_021165.1	Ca_kabuli_chr06	7643072	GG	AA	1940349760
SNP_P1_106810_7643313	NC_021165.1	Ca_kabuli_chr06	7643313	TT	CC	1940349762
SNP_P1_106812_7643440	NC_021165.1	Ca_kabuli_chr06	7643440	TT	GG	1940349764
SNP_P1_106814_7644183	NC_021165.1	Ca_kabuli_chr06	7644183	TT	AA	1940349765
SNP_P1_106815_7644338	NC_021165.1	Ca_kabuli_chr06	7644338	TT	GG	1940349767
SNP_P1_106817_7644510	NC_021165.1	Ca_kabuli_chr06	7644510	CC	GG	1940349769
SNP_P1_106818_7644707	NC_021165.1	Ca_kabuli_chr06	7644707	AA	CC	1940349770
SNP_P1_106819_7645502	NC_021165.1	Ca_kabuli_chr06	7645502	AA	TT	1940349772
SNP_P1_106820_7645623	NC_021165.1	Ca_kabuli_chr06	7645623	GG	AA	1940349774
SNP_P1_106821_7649589	NC_021165.1	Ca_kabuli_chr06	7649589	CC	TT	1940349776
SNP_P1_106822_7650296	NC_021165.1	Ca_kabuli_chr06	7650296	GG	AA	1940349777
SNP_P1_106823_7650632	NC_021165.1	Ca_kabuli_chr06	7650632	AA	TT	1940349779
SNP_P1_106825_7651093	NC_021165.1	Ca_kabuli_chr06	7651093	CC	GG	1940349781

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106827_7651989	NC_021165.1	Ca_kabuli_chr06	7651989	TT	AA	1940349784
SNP_P1_106829_7655696	NC_021165.1	Ca_kabuli_chr06	7655696	AA	TT	1940349786
SNP_P1_106830_7655973	NC_021165.1	Ca_kabuli_chr06	7655973	TT	AA	1940349788
SNP_P1_106831_7655980	NC_021165.1	Ca_kabuli_chr06	7655980	TT	GG	1940349789
SNP_P1_106832_7656055	NC_021165.1	Ca_kabuli_chr06	7656055	GG	AA	1940349791
SNP_P1_106833_7656281	NC_021165.1	Ca_kabuli_chr06	7656281	CC	TT	1940349793
SNP_P1_106834_7656340	NC_021165.1	Ca_kabuli_chr06	7656340	AA	TT	1940349795
SNP_P1_106835_7656371	NC_021165.1	Ca_kabuli_chr06	7656371	AA	GG	1940349796
SNP_P1_106836_7656376	NC_021165.1	Ca_kabuli_chr06	7656376	AA	GG	1940349798
SNP_P1_106837_7656378	NC_021165.1	Ca_kabuli_chr06	7656378	AA	GG	1940349800
SNP_P1_106838_7656790	NC_021165.1	Ca_kabuli_chr06	7656790	CC	AA	1940349802
SNP_P1_106839_7656795	NC_021165.1	Ca_kabuli_chr06	7656795	GG	AA	1940349803
SNP_P1_106840_7657623	NC_021165.1	Ca_kabuli_chr06	7657623	CC	GG	1940349805
SNP_P1_106841_7657641	NC_021165.1	Ca_kabuli_chr06	7657641	CC	GG	1940349807
SNP_P1_106842_7657842	NC_021165.1	Ca_kabuli_chr06	7657842	TT	CC	1940349808
SNP_P1_106844_7657947	NC_021165.1	Ca_kabuli_chr06	7657947	CC	AA	1940349810
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SNP_P1_106848_7660268	NC_021165.1	Ca_kabuli_chr06	7660268	AA	GG	1940349815
SNP_P1_106849_7661434	NC_021165.1	Ca_kabuli_chr06	7661434	TT	CC	1940349817
SNP_P1_106850_7661464	NC_021165.1	Ca_kabuli_chr06	7661464	AA	GG	1940349819
SNP_P1_106851_7661472	NC_021165.1	Ca_kabuli_chr06	7661472	CC	TT	1940349821
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SNP_P1_106853_7661619	NC_021165.1	Ca_kabuli_chr06	7661619	CC	GG	1940349824
SNP_P1_106854_7661635	NC_021165.1	Ca_kabuli_chr06	7661635	AA	TT	1940349826
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SNP_P1_106858_7661659	NC_021165.1	Ca_kabuli_chr06	7661659	AA	CC	1940349833
SNP_P1_106859_7661703	NC_021165.1	Ca_kabuli_chr06	7661703	AA	TT	1940349834
SNP_P1_106861_7663464	NC_021165.1	Ca_kabuli_chr06	7663464	CC	TT	1940349836
SNP_P1_106862_7663493	NC_021165.1	Ca_kabuli_chr06	7663493	AA	TT	1940349838
SNP_P1_106863_7663508	NC_021165.1	Ca_kabuli_chr06	7663508	CC	TT	1940349840
SNP_P1_106864_7663509	NC_021165.1	Ca_kabuli_chr06	7663509	GG	AA	1940349841
SNP_P1_106865_7663831	NC_021165.1	Ca_kabuli_chr06	7663831	AA	TT	1940349843
SNP_P1_106866_7664403	NC_021165.1	Ca_kabuli_chr06	7664403	AA	GG	1940349845
SNP_P1_106867_7664715	NC_021165.1	Ca_kabuli_chr06	7664715	TT	AA	1940349846
SNP_P1_106868_7664716	NC_021165.1	Ca_kabuli_chr06	7664716	TT	CC	1940349848
SNP_P1_106871_7665134	NC_021165.1	Ca_kabuli_chr06	7665134	GG	AA	1940349850
SNP_P1_106872_7665194	NC_021165.1	Ca_kabuli_chr06	7665194	TT	GG	1940349852
SNP_P1_106874_7665353	NC_021165.1	Ca_kabuli_chr06	7665353	CC	TT	1940349853

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106877_7666377	NC_021165.1	Ca_kabuli_chr06	7666377	TT	CC	1940349859
SNP_P1_106878_7667328	NC_021165.1	Ca_kabuli_chr06	7667328	AA	TT	1940349860
SNP_P1_106879_7668738	NC_021165.1	Ca_kabuli_chr06	7668738	AA	GG	1940349862
SNP_P1_106880_7669001	NC_021165.1	Ca_kabuli_chr06	7669001	GG	AA	1940349864
SNP_P1_106881_7669217	NC_021165.1	Ca_kabuli_chr06	7669217	AA	GG	1940349865
SNP_P1_106882_7670734	NC_021165.1	Ca_kabuli_chr06	7670734	GG	TT	1940349867
SNP_P1_106883_7677029	NC_021165.1	Ca_kabuli_chr06	7677029	AA	CC	1940349869
SNP_P1_106884_7677212	NC_021165.1	Ca_kabuli_chr06	7677212	CC	TT	1940349871
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SNP_P1_106888_7679538	NC_021165.1	Ca_kabuli_chr06	7679538	AA	GG	1940349878
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SNP_P1_106899_7686626	NC_021165.1	Ca_kabuli_chr06	7686626	GG	AA	1940349890
SNP_P1_106901_7687318	NC_021165.1	Ca_kabuli_chr06	7687318	AA	GG	1940349891
SNP_P1_106903_7688135	NC_021165.1	Ca_kabuli_chr06	7688135	AA	CC	1940349893
SNP_P1_106904_7688281	NC_021165.1	Ca_kabuli_chr06	7688281	AA	GG	1940349895
SNP_P1_106905_7689126	NC_021165.1	Ca_kabuli_chr06	7689126	GG	AA	1940349896
SNP_P1_106906_7689179	NC_021165.1	Ca_kabuli_chr06	7689179	TT	GG	1940349898
SNP_P1_106907_7689195	NC_021165.1	Ca_kabuli_chr06	7689195	GG	TT	1940349900
SNP_P1_106908_7689247	NC_021165.1	Ca_kabuli_chr06	7689247	GG	AA	1940349902
SNP_P1_106911_7690576	NC_021165.1	Ca_kabuli_chr06	7690576	AA	GG	1940349903
SNP_P1_106912_7690699	NC_021165.1	Ca_kabuli_chr06	7690699	AA	CC	1940349905
SNP_P1_106913_7690786	NC_021165.1	Ca_kabuli_chr06	7690786	GG	TT	1940349907
SNP_P1_106914_7690790	NC_021165.1	Ca_kabuli_chr06	7690790	AA	GG	1940349909
SNP_P1_106915_7691231	NC_021165.1	Ca_kabuli_chr06	7691231	CC	TT	1940349910
SNP_P1_106916_7691257	NC_021165.1	Ca_kabuli_chr06	7691257	CC	TT	1940349912
SNP_P1_106917_7691510	NC_021165.1	Ca_kabuli_chr06	7691510	GG	CC	1940349914
SNP_P1_106918_7691620	NC_021165.1	Ca_kabuli_chr06	7691620	GG	AA	1940349915
SNP_P1_106919_7691671	NC_021165.1	Ca_kabuli_chr06	7691671	AA	GG	1940349917
SNP_P1_106920_7691837	NC_021165.1	Ca_kabuli_chr06	7691837	TT	AA	1940349919
SNP_P1_106921_7692042	NC_021165.1	Ca_kabuli_chr06	7692042	TT	GG	1940349921
SNP_P1_106923_7692295	NC_021165.1	Ca_kabuli_chr06	7692295	GG	AA	1940349922
SNP_P1_106924_7692306	NC_021165.1	Ca_kabuli_chr06	7692306	TT	GG	1940349924
SNP_P1_106925_7692398	NC_021165.1	Ca_kabuli_chr06	7692398	GG	TT	1940349926

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106927_7692431	NC_021165.1	Ca_kabuli_chr06	7692431	GG	TT	1940349929
SNP_P1_106928_7693514	NC_021165.1	Ca_kabuli_chr06	7693514	AA	CC	1940349931
SNP_P1_106929_7693536	NC_021165.1	Ca_kabuli_chr06	7693536	CC	TT	1940349933
SNP_P1_106930_7693599	NC_021165.1	Ca_kabuli_chr06	7693599	CC	TT	1940349935
SNP_P1_106932_7693787	NC_021165.1	Ca_kabuli_chr06	7693787	TT	CC	1940349936
SNP_P1_106933_7693788	NC_021165.1	Ca_kabuli_chr06	7693788	GG	AA	1940349938
SNP_P1_106934_7693815	NC_021165.1	Ca_kabuli_chr06	7693815	CC	TT	1940349940
SNP_P1_106935_7693817	NC_021165.1	Ca_kabuli_chr06	7693817	TT	CC	1940349941
SNP_P1_106936_7694460	NC_021165.1	Ca_kabuli_chr06	7694460	AA	TT	1940349943
SNP_P1_106938_7694878	NC_021165.1	Ca_kabuli_chr06	7694878	CC	TT	1940349945
SNP_P1_106939_7694944	NC_021165.1	Ca_kabuli_chr06	7694944	CC	AA	1940349947
SNP_P1_106940_7694961	NC_021165.1	Ca_kabuli_chr06	7694961	CC	GG	1940349948
SNP_P1_106941_7696024	NC_021165.1	Ca_kabuli_chr06	7696024	TT	AA	1940349950
SNP_P1_106942_7696724	NC_021165.1	Ca_kabuli_chr06	7696724	TT	CC	1940349952
SNP_P1_106943_7700319	NC_021165.1	Ca_kabuli_chr06	7700319	CC	AA	1940349954
SNP_P1_106944_7700336	NC_021165.1	Ca_kabuli_chr06	7700336	AA	GG	1940349955
SNP_P1_106945_7700546	NC_021165.1	Ca_kabuli_chr06	7700546	GG	TT	1940349957
SNP_P1_106946_7700712	NC_021165.1	Ca_kabuli_chr06	7700712	AA	GG	1940349959
SNP_P1_106947_7700990	NC_021165.1	Ca_kabuli_chr06	7700990	CC	GG	1940349960
SNP_P1_106949_7701525	NC_021165.1	Ca_kabuli_chr06	7701525	CC	TT	1940349962
SNP_P1_106950_7701966	NC_021165.1	Ca_kabuli_chr06	7701966	TT	AA	1940349964
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SNP_P1_106953_7703894	NC_021165.1	Ca_kabuli_chr06	7703894	TT	GG	1940349969
SNP_P1_106954_7703905	NC_021165.1	Ca_kabuli_chr06	7703905	AA	TT	1940349971
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SNP_P1_106958_7705920	NC_021165.1	Ca_kabuli_chr06	7705920	TT	CC	1940349978
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SNP_P1_106960_7706241	NC_021165.1	Ca_kabuli_chr06	7706241	GG	TT	1940349981
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SNP_P1_106966_7707723	NC_021165.1	Ca_kabuli_chr06	7707723	GG	CC	1940349990
SNP_P1_106967_7707969	NC_021165.1	Ca_kabuli_chr06	7707969	AA	GG	1940349992
SNP_P1_106968_7707972	NC_021165.1	Ca_kabuli_chr06	7707972	GG	AA	1940349993
SNP_P1_106969_7708531	NC_021165.1	Ca_kabuli_chr06	7708531	TT	CC	1940349995
SNP_P1_106971_7709004	NC_021165.1	Ca_kabuli_chr06	7709004	AA	GG	1940349997
SNP_P1_106972_7709018	NC_021165.1	Ca_kabuli_chr06	7709018	CC	TT	1940349998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_106975_7709591	NC_021165.1	Ca_kabuli_chr06	7709591	GG	AA	1940350004
SNP_P1_106976_7709616	NC_021165.1	Ca_kabuli_chr06	7709616	CC	TT	1940350005
SNP_P1_106977_7709718	NC_021165.1	Ca_kabuli_chr06	7709718	TT	CC	1940350007
SNP_P1_106978_7709787	NC_021165.1	Ca_kabuli_chr06	7709787	AA	CC	1940350009
SNP_P1_106979_7709795	NC_021165.1	Ca_kabuli_chr06	7709795	AA	GG	1940350011
SNP_P1_106980_7710162	NC_021165.1	Ca_kabuli_chr06	7710162	TT	CC	1940350012
SNP_P1_106981_7710235	NC_021165.1	Ca_kabuli_chr06	7710235	GG	CC	1940350014
SNP_P1_106982_7710482	NC_021165.1	Ca_kabuli_chr06	7710482	TT	CC	1940350016
SNP_P1_106983_7710492	NC_021165.1	Ca_kabuli_chr06	7710492	CC	AA	1940350018
SNP_P1_106984_7713318	NC_021165.1	Ca_kabuli_chr06	7713318	AA	GG	1940350019
SNP_P1_106986_7714319	NC_021165.1	Ca_kabuli_chr06	7714319	AA	TT	1940350021
SNP_P1_106987_7714327	NC_021165.1	Ca_kabuli_chr06	7714327	GG	AA	1940350023
SNP_P1_106988_7714338	NC_021165.1	Ca_kabuli_chr06	7714338	CC	TT	1940350024
SNP_P1_106989_7714340	NC_021165.1	Ca_kabuli_chr06	7714340	CC	TT	1940350026
SNP_P1_106990_7714354	NC_021165.1	Ca_kabuli_chr06	7714354	CC	TT	1940350028
SNP_P1_106991_7714790	NC_021165.1	Ca_kabuli_chr06	7714790	AA	GG	1940350030
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SNP_P1_106994_7716762	NC_021165.1	Ca_kabuli_chr06	7716762	AA	TT	1940350033
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SNP_P1_106996_7716788	NC_021165.1	Ca_kabuli_chr06	7716788	GG	AA	1940350036
SNP_P1_106997_7716809	NC_021165.1	Ca_kabuli_chr06	7716809	TT	CC	1940350038
SNP_P1_106998_7717154	NC_021165.1	Ca_kabuli_chr06	7717154	GG	AA	1940350040
SNP_P1_106999_7717224	NC_021165.1	Ca_kabuli_chr06	7717224	TT	CC	1940350042
SNP_P1_107000_7717225	NC_021165.1	Ca_kabuli_chr06	7717225	GG	AA	1940350043
SNP_P1_107001_7718399	NC_021165.1	Ca_kabuli_chr06	7718399	GG	AA	1940350045
SNP_P1_107002_7718912	NC_021165.1	Ca_kabuli_chr06	7718912	TT	CC	1940350047
SNP_P1_107003_7718923	NC_021165.1	Ca_kabuli_chr06	7718923	AA	GG	1940350049
SNP_P1_107004_7719745	NC_021165.1	Ca_kabuli_chr06	7719745	TT	CC	1940350050
SNP_P1_107005_7719771	NC_021165.1	Ca_kabuli_chr06	7719771	TT	CC	1940350052
SNP_P1_107006_7719777	NC_021165.1	Ca_kabuli_chr06	7719777	TT	CC	1940350054
SNP_P1_107007_7719829	NC_021165.1	Ca_kabuli_chr06	7719829	CC	TT	1940350056
SNP_P1_107008_7719956	NC_021165.1	Ca_kabuli_chr06	7719956	AA	GG	1940350057
SNP_P1_107009_7719974	NC_021165.1	Ca_kabuli_chr06	7719974	GG	AA	1940350059
SNP_P1_107010_7720990	NC_021165.1	Ca_kabuli_chr06	7720990	TT	CC	1940350061
SNP_P1_107012_7721181	NC_021165.1	Ca_kabuli_chr06	7721181	GG	TT	1940350062
SNP_P1_107013_7721190	NC_021165.1	Ca_kabuli_chr06	7721190	GG	AA	1940350064
SNP_P1_107014_7721220	NC_021165.1	Ca_kabuli_chr06	7721220	CC	AA	1940350066
SNP_P1_107015_7721297	NC_021165.1	Ca_kabuli_chr06	7721297	CC	TT	1940350068
SNP_P1_107016_7721298	NC_021165.1	Ca_kabuli_chr06	7721298	AA	GG	1940350069
SNP_P1_107017_7721302	NC_021165.1	Ca_kabuli_chr06	7721302	GG	AA	1940350071

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107020_7721422	NC_021165.1	Ca_kabuli_chr06	7721422	CC	AA	1940350076
SNP_P1_107021_7721516	NC_021165.1	Ca_kabuli_chr06	7721516	AA	GG	1940350078
SNP_P1_107022_7721520	NC_021165.1	Ca_kabuli_chr06	7721520	CC	TT	1940350080
SNP_P1_107023_7721618	NC_021165.1	Ca_kabuli_chr06	7721618	AA	TT	1940350081
SNP_P1_107024_7722991	NC_021165.1	Ca_kabuli_chr06	7722991	TT	CC	1940350083
SNP_P1_107025_7722996	NC_021165.1	Ca_kabuli_chr06	7722996	GG	AA	1940350085
SNP_P1_107026_7723085	NC_021165.1	Ca_kabuli_chr06	7723085	AA	GG	1940350087
SNP_P1_107027_7723096	NC_021165.1	Ca_kabuli_chr06	7723096	GG	TT	1940350088
SNP_P1_107029_7723324	NC_021165.1	Ca_kabuli_chr06	7723324	TT	AA	1940350090
SNP_P1_107032_7725657	NC_021165.1	Ca_kabuli_chr06	7725657	CC	AA	1940350092
SNP_P1_107034_7729257	NC_021165.1	Ca_kabuli_chr06	7729257	GG	TT	1940350094
SNP_P1_107035_7729264	NC_021165.1	Ca_kabuli_chr06	7729264	GG	AA	1940350095
SNP_P1_107036_7729611	NC_021165.1	Ca_kabuli_chr06	7729611	GG	TT	1940350097
SNP_P1_107037_7730713	NC_021165.1	Ca_kabuli_chr06	7730713	GG	AA	1940350099
SNP_P1_107038_7731315	NC_021165.1	Ca_kabuli_chr06	7731315	TT	CC	1940350100
SNP_P1_107039_7732110	NC_021165.1	Ca_kabuli_chr06	7732110	TT	AA	1940350102
SNP_P1_107040_7732116	NC_021165.1	Ca_kabuli_chr06	7732116	AA	GG	1940350104
SNP_P1_107042_7734345	NC_021165.1	Ca_kabuli_chr06	7734345	GG	AA	1940350106
SNP_P1_107043_7734537	NC_021165.1	Ca_kabuli_chr06	7734537	AA	GG	1940350107
SNP_P1_107044_7734887	NC_021165.1	Ca_kabuli_chr06	7734887	TT	GG	1940350109
SNP_P1_107045_7734888	NC_021165.1	Ca_kabuli_chr06	7734888	GG	AA	1940350111
SNP_P1_107046_7734918	NC_021165.1	Ca_kabuli_chr06	7734918	AA	GG	1940350113
SNP_P1_107047_7734949	NC_021165.1	Ca_kabuli_chr06	7734949	CC	TT	1940350114
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SNP_P1_107051_7737157	NC_021165.1	Ca_kabuli_chr06	7737157	TT	CC	1940350119
SNP_P1_107052_7737479	NC_021165.1	Ca_kabuli_chr06	7737479	CC	TT	1940350121
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SNP_P1_107056_7738157	NC_021165.1	Ca_kabuli_chr06	7738157	AA	GG	1940350126
SNP_P1_107057_7738206	NC_021165.1	Ca_kabuli_chr06	7738206	AA	GG	1940350128
SNP_P1_107058_7738248	NC_021165.1	Ca_kabuli_chr06	7738248	TT	CC	1940350130
SNP_P1_107059_7738254	NC_021165.1	Ca_kabuli_chr06	7738254	GG	AA	1940350132
SNP_P1_107060_7738287	NC_021165.1	Ca_kabuli_chr06	7738287	TT	GG	1940350133
SNP_P1_107061_7738464	NC_021165.1	Ca_kabuli_chr06	7738464	TT	CC	1940350135
SNP_P1_107062_7738465	NC_021165.1	Ca_kabuli_chr06	7738465	CC	TT	1940350137
SNP_P1_107063_7738491	NC_021165.1	Ca_kabuli_chr06	7738491	CC	TT	1940350138
SNP_P1_107064_7738542	NC_021165.1	Ca_kabuli_chr06	7738542	GG	AA	1940350140
SNP_P1_107065_7738558	NC_021165.1	Ca_kabuli_chr06	7738558	TT	CC	1940350142
SNP_P1_107066_7738674	NC_021165.1	Ca_kabuli_chr06	7738674	CC	TT	1940350144

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107069_7738955	NC_021165.1	Ca_kabuli_chr06	7738955	GG	AA	1940350149
SNP_P1_107070_7738980	NC_021165.1	Ca_kabuli_chr06	7738980	TT	CC	1940350151
SNP_P1_107071_7739311	NC_021165.1	Ca_kabuli_chr06	7739311	GG	AA	1940350152
SNP_P1_107072_7739346	NC_021165.1	Ca_kabuli_chr06	7739346	GG	AA	1940350154
SNP_P1_107073_7739348	NC_021165.1	Ca_kabuli_chr06	7739348	TT	CC	1940350156
SNP_P1_107074_7739632	NC_021165.1	Ca_kabuli_chr06	7739632	TT	GG	1940350158
SNP_P1_107075_7739649	NC_021165.1	Ca_kabuli_chr06	7739649	GG	TT	1940350159
SNP_P1_107076_7739672	NC_021165.1	Ca_kabuli_chr06	7739672	CC	AA	1940350161
SNP_P1_107077_7739694	NC_021165.1	Ca_kabuli_chr06	7739694	GG	AA	1940350163
SNP_P1_107078_7739696	NC_021165.1	Ca_kabuli_chr06	7739696	TT	CC	1940350164
SNP_P1_107079_7740056	NC_021165.1	Ca_kabuli_chr06	7740056	TT	GG	1940350166
SNP_P1_107080_7740263	NC_021165.1	Ca_kabuli_chr06	7740263	CC	TT	1940350168
SNP_P1_107081_7740264	NC_021165.1	Ca_kabuli_chr06	7740264	AA	TT	1940350170
SNP_P1_107082_7741267	NC_021165.1	Ca_kabuli_chr06	7741267	GG	AA	1940350171
SNP_P1_107083_7741501	NC_021165.1	Ca_kabuli_chr06	7741501	CC	TT	1940350173
SNP_P1_107084_7741804	NC_021165.1	Ca_kabuli_chr06	7741804	AA	GG	1940350175
SNP_P1_107085_7742010	NC_021165.1	Ca_kabuli_chr06	7742010	TT	CC	1940350177
SNP_P1_107086_7743429	NC_021165.1	Ca_kabuli_chr06	7743429	TT	CC	1940350178
SNP_P1_107087_7746307	NC_021165.1	Ca_kabuli_chr06	7746307	GG	TT	1940350180
SNP_P1_107088_7746435	NC_021165.1	Ca_kabuli_chr06	7746435	GG	AA	1940350182
SNP_P1_107090_7750383	NC_021165.1	Ca_kabuli_chr06	7750383	TT	CC	1940350183
SNP_P1_107091_7750922	NC_021165.1	Ca_kabuli_chr06	7750922	AA	CC	1940350185
SNP_P1_107092_7750924	NC_021165.1	Ca_kabuli_chr06	7750924	AA	GG	1940350187
SNP_P1_107093_7750986	NC_021165.1	Ca_kabuli_chr06	7750986	AA	TT	1940350189
SNP_P1_107094_7751309	NC_021165.1	Ca_kabuli_chr06	7751309	AA	GG	1940350190
SNP_P1_107095_7751310	NC_021165.1	Ca_kabuli_chr06	7751310	CC	TT	1940350192
SNP_P1_107096_7752247	NC_021165.1	Ca_kabuli_chr06	7752247	GG	CC	1940350194
SNP_P1_107097_7752337	NC_021165.1	Ca_kabuli_chr06	7752337	TT	CC	1940350196
SNP_P1_107098_7754099	NC_021165.1	Ca_kabuli_chr06	7754099	GG	CC	1940350197
SNP_P1_107099_7754159	NC_021165.1	Ca_kabuli_chr06	7754159	AA	CC	1940350199
SNP_P1_107100_7754305	NC_021165.1	Ca_kabuli_chr06	7754305	GG	CC	1940350201
SNP_P1_107101_7754357	NC_021165.1	Ca_kabuli_chr06	7754357	TT	CC	1940350202
SNP_P1_107102_7754846	NC_021165.1	Ca_kabuli_chr06	7754846	AA	TT	1940350204
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SNP_P1_107104_7755620	NC_021165.1	Ca_kabuli_chr06	7755620	CC	TT	1940350208
SNP_P1_107105_7756706	NC_021165.1	Ca_kabuli_chr06	7756706	TT	AA	1940350209
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SNP_P1_107108_7758602	NC_021165.1	Ca_kabuli_chr06	7758602	GG	CC	1940350213
SNP_P1_107109_7758604	NC_021165.1	Ca_kabuli_chr06	7758604	GG	TT	1940350215
SNP_P1_107110_7758608	NC_021165.1	Ca_kabuli_chr06	7758608	TT	GG	1940350216

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107114_7768182	NC_021165.1	Ca_kabuli_chr06	7768182	GG	TT	1940350221
SNP_P1_107115_7772891	NC_021165.1	Ca_kabuli_chr06	7772891	GG	AA	1940350223
SNP_P1_107116_7772943	NC_021165.1	Ca_kabuli_chr06	7772943	CC	AA	1940350225
SNP_P1_107118_7773527	NC_021165.1	Ca_kabuli_chr06	7773527	CC	TT	1940350227
SNP_P1_107119_7775459	NC_021165.1	Ca_kabuli_chr06	7775459	CC	AA	1940350228
SNP_P1_107120_7776396	NC_021165.1	Ca_kabuli_chr06	7776396	TT	GG	1940350230
SNP_P1_107122_7777413	NC_021165.1	Ca_kabuli_chr06	7777413	AA	TT	1940350232
SNP_P1_107123_7777945	NC_021165.1	Ca_kabuli_chr06	7777945	GG	AA	1940350234
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SNP_P1_107130_7780574	NC_021165.1	Ca_kabuli_chr06	7780574	AA	GG	1940350244
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SNP_P1_107132_7783346	NC_021165.1	Ca_kabuli_chr06	7783346	AA	GG	1940350247
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SNP_P1_107135_7785026	NC_021165.1	Ca_kabuli_chr06	7785026	TT	CC	1940350251
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SNP_P1_107154_7797625	NC_021165.1	Ca_kabuli_chr06	7797625	CC	TT	1940350282
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SNP_P1_107156_7798504	NC_021165.1	Ca_kabuli_chr06	7798504	GG	AA	1940350285
SNP_P1_107158_7798530	NC_021165.1	Ca_kabuli_chr06	7798530	TT	CC	1940350287
SNP_P1_107159_7798576	NC_021165.1	Ca_kabuli_chr06	7798576	GG	AA	1940350289

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107164_7798952	NC_021165.1	Ca_kabuli_chr06	7798952	CC	GG	1940350296
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SNP_P1_107166_7799134	NC_021165.1	Ca_kabuli_chr06	7799134	TT	CC	1940350299
SNP_P1_107167_7799137	NC_021165.1	Ca_kabuli_chr06	7799137	GG	AA	1940350301
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SNP_P1_107180_7802250	NC_021165.1	Ca_kabuli_chr06	7802250	TT	CC	1940350323
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SNP_P1_107183_7803335	NC_021165.1	Ca_kabuli_chr06	7803335	AA	GG	1940350329
SNP_P1_107184_7803349	NC_021165.1	Ca_kabuli_chr06	7803349	GG	AA	1940350330
SNP_P1_107185_7803450	NC_021165.1	Ca_kabuli_chr06	7803450	GG	AA	1940350332
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SNP_P1_107187_7803477	NC_021165.1	Ca_kabuli_chr06	7803477	TT	CC	1940350336
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SNP_P1_107189_7806252	NC_021165.1	Ca_kabuli_chr06	7806252	AA	TT	1940350339
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SNP_P1_107195_7807086	NC_021165.1	Ca_kabuli_chr06	7807086	CC	GG	1940350348
SNP_P1_107196_7807316	NC_021165.1	Ca_kabuli_chr06	7807316	AA	GG	1940350349
SNP_P1_107197_7807477	NC_021165.1	Ca_kabuli_chr06	7807477	TT	CC	1940350351
SNP_P1_107198_7807498	NC_021165.1	Ca_kabuli_chr06	7807498	AA	GG	1940350353
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SNP_P1_107201_7809768	NC_021165.1	Ca_kabuli_chr06	7809768	AA	CC	1940350356
SNP_P1_107203_7812097	NC_021165.1	Ca_kabuli_chr06	7812097	TT	GG	1940350358
SNP_P1_107204_7812199	NC_021165.1	Ca_kabuli_chr06	7812199	CC	TT	1940350360
SNP_P1_107205_7812427	NC_021165.1	Ca_kabuli_chr06	7812427	TT	CC	1940350361

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_107206_7812582	NC_021165.1	Ca_kabuli_chr06	7812582	AA	GG	1940350363
SNP_P1_107207_7812784	NC_021165.1	Ca_kabuli_chr06	7812784	TT	GG	1940350365
SNP_P1_107208_7813112	NC_021165.1	Ca_kabuli_chr06	7813112	GG	TT	1940350367
SNP_P1_107209_7815589	NC_021165.1	Ca_kabuli_chr06	7815589	CC	AA	1940350368
SNP_P1_107210_7815904	NC_021165.1	Ca_kabuli_chr06	7815904	CC	TT	1940350370
SNP_P1_107211_7816017	NC_021165.1	Ca_kabuli_chr06	7816017	GG	AA	1940350372
SNP_P1_107212_7816134	NC_021165.1	Ca_kabuli_chr06	7816134	TT	GG	1940350374
SNP_P1_107213_7816268	NC_021165.1	Ca_kabuli_chr06	7816268	AA	GG	1940350375
SNP_P1_107214_7817157	NC_021165.1	Ca_kabuli_chr06	7817157	TT	CC	1940350377
SNP_P1_107215_7817205	NC_021165.1	Ca_kabuli_chr06	7817205	CC	TT	1940350379
SNP_P1_107216_7817222	NC_021165.1	Ca_kabuli_chr06	7817222	AA	GG	1940350381
SNP_P1_107217_7817272	NC_021165.1	Ca_kabuli_chr06	7817272	AA	GG	1940350382
SNP_P1_107218_7818798	NC_021165.1	Ca_kabuli_chr06	7818798	TT	CC	1940350384
SNP_P1_107219_7819913	NC_021165.1	Ca_kabuli_chr06	7819913	TT	AA	1940350386
SNP_P1_107220_7820908	NC_021165.1	Ca_kabuli_chr06	7820908	AA	CC	1940350387
SNP_P1_107221_7823360	NC_021165.1	Ca_kabuli_chr06	7823360	GG	AA	1940350389
SNP_P1_107222_7823369	NC_021165.1	Ca_kabuli_chr06	7823369	CC	GG	1940350391
SNP_P1_107223_7823762	NC_021165.1	Ca_kabuli_chr06	7823762	CC	TT	1940350393
SNP_P1_107225_7824334	NC_021165.1	Ca_kabuli_chr06	7824334	GG	TT	1940350394
SNP_P1_107226_7826178	NC_021165.1	Ca_kabuli_chr06	7826178	CC	AA	1940350396
SNP_P1_107227_7826416	NC_021165.1	Ca_kabuli_chr06	7826416	TT	GG	1940350398
SNP_P1_107229_7826845	NC_021165.1	Ca_kabuli_chr06	7826845	TT	CC	1940350400
SNP_P1_107230_7826856	NC_021165.1	Ca_kabuli_chr06	7826856	GG	CC	1940350401
SNP_P1_107231_7826948	NC_021165.1	Ca_kabuli_chr06	7826948	AA	GG	1940350403
SNP_P1_107233_7827148	NC_021165.1	Ca_kabuli_chr06	7827148	AA	GG	1940350405
SNP_P1_107234_7827679	NC_021165.1	Ca_kabuli_chr06	7827679	GG	AA	1940350406
SNP_P1_107235_7827702	NC_021165.1	Ca_kabuli_chr06	7827702	TT	AA	1940350408
SNP_P1_107236_7828029	NC_021165.1	Ca_kabuli_chr06	7828029	GG	AA	1940350410
SNP_P1_107237_7828242	NC_021165.1	Ca_kabuli_chr06	7828242	TT	GG	1940350412
SNP_P1_107238_7828925	NC_021165.1	Ca_kabuli_chr06	7828925	TT	AA	1940350413
SNP_P1_107239_7831874	NC_021165.1	Ca_kabuli_chr06	7831874	AA	GG	1940350415
SNP_P1_107240_7831899	NC_021165.1	Ca_kabuli_chr06	7831899	GG	AA	1940350417
SNP_P1_107241_7832023	NC_021165.1	Ca_kabuli_chr06	7832023	CC	TT	1940350419
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SNP_P1_107243_7832333	NC_021165.1	Ca_kabuli_chr06	7832333	GG	AA	1940350422
SNP_P1_107244_7832626	NC_021165.1	Ca_kabuli_chr06	7832626	CC	GG	1940350424
SNP_P1_107245_7832679	NC_021165.1	Ca_kabuli_chr06	7832679	AA	GG	1940350425
SNP_P1_107246_7833274	NC_021165.1	Ca_kabuli_chr06	7833274	GG	AA	1940350427
SNP_P1_107247_7833276	NC_021165.1	Ca_kabuli_chr06	7833276	AA	TT	1940350429
SNP_P1_107248_7833429	NC_021165.1	Ca_kabuli_chr06	7833429	CC	TT	1940350431
SNP_P1_107251_7841024	NC_021165.1	Ca_kabuli_chr06	7841024	CC	TT	1940350432
SNP_P1_107252_7841071	NC_021165.1	Ca_kabuli_chr06	7841071	TT	CC	1940350434

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107254_7841089	NC_021165.1	Ca_kabuli_chr06	7841089	AA	GG	1940350438
SNP_P1_107255_7841090	NC_021165.1	Ca_kabuli_chr06	7841090	CC	TT	1940350439
SNP_P1_107256_7841269	NC_021165.1	Ca_kabuli_chr06	7841269	CC	GG	1940350441
SNP_P1_107257_7841316	NC_021165.1	Ca_kabuli_chr06	7841316	TT	AA	1940350443
SNP_P1_107258_7841345	NC_021165.1	Ca_kabuli_chr06	7841345	CC	TT	1940350444
SNP_P1_107259_7841347	NC_021165.1	Ca_kabuli_chr06	7841347	TT	GG	1940350446
SNP_P1_107260_7841381	NC_021165.1	Ca_kabuli_chr06	7841381	GG	AA	1940350448
SNP_P1_107261_7841404	NC_021165.1	Ca_kabuli_chr06	7841404	CC	AA	1940350450
SNP_P1_107263_7841614	NC_021165.1	Ca_kabuli_chr06	7841614	AA	CC	1940350451
SNP_P1_107264_7841947	NC_021165.1	Ca_kabuli_chr06	7841947	GG	CC	1940350453
SNP_P1_107265_7841948	NC_021165.1	Ca_kabuli_chr06	7841948	GG	AA	1940350455
SNP_P1_107266_7843051	NC_021165.1	Ca_kabuli_chr06	7843051	AA	TT	1940350457
SNP_P1_107267_7843084	NC_021165.1	Ca_kabuli_chr06	7843084	TT	CC	1940350458
SNP_P1_107268_7843124	NC_021165.1	Ca_kabuli_chr06	7843124	GG	AA	1940350460
SNP_P1_107269_7844369	NC_021165.1	Ca_kabuli_chr06	7844369	GG	AA	1940350462
SNP_P1_107270_7846335	NC_021165.1	Ca_kabuli_chr06	7846335	CC	GG	1940350464
SNP_P1_107272_7850735	NC_021165.1	Ca_kabuli_chr06	7850735	CC	AA	1940350465
SNP_P1_107273_7852481	NC_021165.1	Ca_kabuli_chr06	7852481	GG	AA	1940350467
SNP_P1_107274_7854553	NC_021165.1	Ca_kabuli_chr06	7854553	AA	TT	1940350469
SNP_P1_107276_7855508	NC_021165.1	Ca_kabuli_chr06	7855508	AA	GG	1940350470
SNP_P1_107277_7856053	NC_021165.1	Ca_kabuli_chr06	7856053	AA	GG	1940350472
SNP_P1_107279_7858546	NC_021165.1	Ca_kabuli_chr06	7858546	GG	AA	1940350474
SNP_P1_107280_7858583	NC_021165.1	Ca_kabuli_chr06	7858583	GG	AA	1940350476
SNP_P1_107282_7860342	NC_021165.1	Ca_kabuli_chr06	7860342	CC	TT	1940350477
SNP_P1_107284_7860813	NC_021165.1	Ca_kabuli_chr06	7860813	AA	CC	1940350479
SNP_P1_107286_7861052	NC_021165.1	Ca_kabuli_chr06	7861052	GG	AA	1940350481
SNP_P1_107288_7861433	NC_021165.1	Ca_kabuli_chr06	7861433	GG	TT	1940350483
SNP_P1_107289_7861665	NC_021165.1	Ca_kabuli_chr06	7861665	AA	GG	1940350484
SNP_P1_107290_7861740	NC_021165.1	Ca_kabuli_chr06	7861740	GG	AA	1940350486
SNP_P1_107292_7861949	NC_021165.1	Ca_kabuli_chr06	7861949	TT	CC	1940350488
SNP_P1_107293_7862633	NC_021165.1	Ca_kabuli_chr06	7862633	GG	TT	1940350490
SNP_P1_107295_7862882	NC_021165.1	Ca_kabuli_chr06	7862882	TT	CC	1940350491
SNP_P1_107296_7862925	NC_021165.1	Ca_kabuli_chr06	7862925	GG	AA	1940350493
SNP_P1_107297_7862956	NC_021165.1	Ca_kabuli_chr06	7862956	TT	CC	1940350495
SNP_P1_107298_7862984	NC_021165.1	Ca_kabuli_chr06	7862984	TT	CC	1940350496
SNP_P1_107299_7863878	NC_021165.1	Ca_kabuli_chr06	7863878	AA	GG	1940350498
SNP_P1_107300_7863945	NC_021165.1	Ca_kabuli_chr06	7863945	CC	TT	1940350500
SNP_P1_107301_7864660	NC_021165.1	Ca_kabuli_chr06	7864660	AA	CC	1940350502
SNP_P1_107302_7865049	NC_021165.1	Ca_kabuli_chr06	7865049	TT	CC	1940350503
SNP_P1_107303_7865175	NC_021165.1	Ca_kabuli_chr06	7865175	CC	TT	1940350505
SNP_P1_107304_7865796	NC_021165.1	Ca_kabuli_chr06	7865796	CC	AA	1940350507

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107306_7865951	NC_021165.1	Ca_kabuli_chr06	7865951	GG	TT	1940350510
SNP_P1_107307_7866116	NC_021165.1	Ca_kabuli_chr06	7866116	TT	CC	1940350512
SNP_P1_107308_7866149	NC_021165.1	Ca_kabuli_chr06	7866149	CC	TT	1940350514
SNP_P1_107309_7866361	NC_021165.1	Ca_kabuli_chr06	7866361	GG	AA	1940350515
SNP_P1_107310_7867814	NC_021165.1	Ca_kabuli_chr06	7867814	CC	AA	1940350517
SNP_P1_107311_7867842	NC_021165.1	Ca_kabuli_chr06	7867842	AA	GG	1940350519
SNP_P1_107312_7867879	NC_021165.1	Ca_kabuli_chr06	7867879	GG	AA	1940350521
SNP_P1_107313_7867990	NC_021165.1	Ca_kabuli_chr06	7867990	AA	GG	1940350522
SNP_P1_107314_7868391	NC_021165.1	Ca_kabuli_chr06	7868391	CC	TT	1940350524
SNP_P1_107315_7870086	NC_021165.1	Ca_kabuli_chr06	7870086	TT	AA	1940350526
SNP_P1_107316_7870387	NC_021165.1	Ca_kabuli_chr06	7870387	AA	CC	1940350528
SNP_P1_107318_7870470	NC_021165.1	Ca_kabuli_chr06	7870470	AA	CC	1940350529
SNP_P1_107319_7870515	NC_021165.1	Ca_kabuli_chr06	7870515	TT	GG	1940350531
SNP_P1_107320_7870528	NC_021165.1	Ca_kabuli_chr06	7870528	GG	AA	1940350533
SNP_P1_107321_7870710	NC_021165.1	Ca_kabuli_chr06	7870710	AA	TT	1940350535
SNP_P1_107322_7870726	NC_021165.1	Ca_kabuli_chr06	7870726	AA	GG	1940350536
SNP_P1_107323_7870733	NC_021165.1	Ca_kabuli_chr06	7870733	AA	GG	1940350538
SNP_P1_107324_7870749	NC_021165.1	Ca_kabuli_chr06	7870749	AA	GG	1940350540
SNP_P1_107325_7870756	NC_021165.1	Ca_kabuli_chr06	7870756	AA	TT	1940350541
SNP_P1_107326_7870776	NC_021165.1	Ca_kabuli_chr06	7870776	TT	CC	1940350543
SNP_P1_107327_7870836	NC_021165.1	Ca_kabuli_chr06	7870836	TT	CC	1940350545
SNP_P1_107328_7870855	NC_021165.1	Ca_kabuli_chr06	7870855	GG	AA	1940350547
SNP_P1_107329_7870856	NC_021165.1	Ca_kabuli_chr06	7870856	CC	TT	1940350548
SNP_P1_107330_7871134	NC_021165.1	Ca_kabuli_chr06	7871134	AA	GG	1940350550
SNP_P1_107331_7871279	NC_021165.1	Ca_kabuli_chr06	7871279	GG	TT	1940350552
SNP_P1_107332_7871339	NC_021165.1	Ca_kabuli_chr06	7871339	GG	AA	1940350554
SNP_P1_107334_7872596	NC_021165.1	Ca_kabuli_chr06	7872596	GG	TT	1940350555
SNP_P1_107335_7872657	NC_021165.1	Ca_kabuli_chr06	7872657	AA	GG	1940350557
SNP_P1_107336_7872659	NC_021165.1	Ca_kabuli_chr06	7872659	AA	GG	1940350559
SNP_P1_107337_7873591	NC_021165.1	Ca_kabuli_chr06	7873591	AA	GG	1940350560
SNP_P1_107338_7876049	NC_021165.1	Ca_kabuli_chr06	7876049	AA	CC	1940350562
SNP_P1_107339_7876520	NC_021165.1	Ca_kabuli_chr06	7876520	TT	GG	1940350564
SNP_P1_107340_7876547	NC_021165.1	Ca_kabuli_chr06	7876547	AA	CC	1940350566
SNP_P1_107341_7876598	NC_021165.1	Ca_kabuli_chr06	7876598	AA	CC	1940350567
SNP_P1_107342_7877159	NC_021165.1	Ca_kabuli_chr06	7877159	GG	TT	1940350569
SNP_P1_107343_7878258	NC_021165.1	Ca_kabuli_chr06	7878258	TT	CC	1940350571
SNP_P1_107344_7878591	NC_021165.1	Ca_kabuli_chr06	7878591	CC	TT	1940350572
SNP_P1_107345_7881009	NC_021165.1	Ca_kabuli_chr06	7881009	CC	AA	1940350574
SNP_P1_107346_7881163	NC_021165.1	Ca_kabuli_chr06	7881163	GG	AA	1940350576
SNP_P1_107348_7882726	NC_021165.1	Ca_kabuli_chr06	7882726	AA	TT	1940350578
SNP_P1_107349_7882762	NC_021165.1	Ca_kabuli_chr06	7882762	CC	AA	1940350579

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107351_7884314	NC_021165.1	Ca_kabuli_chr06	7884314	GG	AA	1940350583
SNP_P1_107352_7884328	NC_021165.1	Ca_kabuli_chr06	7884328	AA	CC	1940350585
SNP_P1_107353_7886412	NC_021165.1	Ca_kabuli_chr06	7886412	GG	AA	1940350586
SNP_P1_107354_7886416	NC_021165.1	Ca_kabuli_chr06	7886416	GG	AA	1940350588
SNP_P1_107355_7886431	NC_021165.1	Ca_kabuli_chr06	7886431	AA	TT	1940350590
SNP_P1_107356_7890649	NC_021165.1	Ca_kabuli_chr06	7890649	GG	AA	1940350591
SNP_P1_107357_7891103	NC_021165.1	Ca_kabuli_chr06	7891103	GG	AA	1940350593
SNP_P1_107358_7891158	NC_021165.1	Ca_kabuli_chr06	7891158	AA	TT	1940350595
SNP_P1_107359_7891358	NC_021165.1	Ca_kabuli_chr06	7891358	CC	GG	1940350597
SNP_P1_107360_7891363	NC_021165.1	Ca_kabuli_chr06	7891363	GG	CC	1940350598
SNP_P1_107361_7892164	NC_021165.1	Ca_kabuli_chr06	7892164	AA	CC	1940350600
SNP_P1_107363_7893005	NC_021165.1	Ca_kabuli_chr06	7893005	GG	CC	1940350602
SNP_P1_107364_7893243	NC_021165.1	Ca_kabuli_chr06	7893243	TT	CC	1940350604
SNP_P1_107365_7893249	NC_021165.1	Ca_kabuli_chr06	7893249	CC	TT	1940350605
SNP_P1_107366_7893253	NC_021165.1	Ca_kabuli_chr06	7893253	CC	TT	1940350607
SNP_P1_107367_7893472	NC_021165.1	Ca_kabuli_chr06	7893472	CC	AA	1940350609
SNP_P1_107368_7893523	NC_021165.1	Ca_kabuli_chr06	7893523	AA	TT	1940350611
SNP_P1_107369_7893524	NC_021165.1	Ca_kabuli_chr06	7893524	CC	AA	1940350612
SNP_P1_107370_7894483	NC_021165.1	Ca_kabuli_chr06	7894483	GG	AA	1940350614
SNP_P1_107371_7895575	NC_021165.1	Ca_kabuli_chr06	7895575	AA	TT	1940350616
SNP_P1_107372_7895587	NC_021165.1	Ca_kabuli_chr06	7895587	AA	CC	1940350617
SNP_P1_107373_7895613	NC_021165.1	Ca_kabuli_chr06	7895613	GG	AA	1940350619
SNP_P1_107374_7895614	NC_021165.1	Ca_kabuli_chr06	7895614	TT	CC	1940350621
SNP_P1_107375_7895615	NC_021165.1	Ca_kabuli_chr06	7895615	AA	GG	1940350623
SNP_P1_107376_7895617	NC_021165.1	Ca_kabuli_chr06	7895617	TT	CC	1940350624
SNP_P1_107378_7896534	NC_021165.1	Ca_kabuli_chr06	7896534	GG	AA	1940350626
SNP_P1_107379_7896558	NC_021165.1	Ca_kabuli_chr06	7896558	CC	AA	1940350628
SNP_P1_107380_7896586	NC_021165.1	Ca_kabuli_chr06	7896586	CC	TT	1940350630
SNP_P1_107382_7896705	NC_021165.1	Ca_kabuli_chr06	7896705	AA	GG	1940350631
SNP_P1_107383_7896837	NC_021165.1	Ca_kabuli_chr06	7896837	CC	TT	1940350633
SNP_P1_107384_7896869	NC_021165.1	Ca_kabuli_chr06	7896869	CC	TT	1940350635
SNP_P1_107385_7896889	NC_021165.1	Ca_kabuli_chr06	7896889	CC	TT	1940350637
SNP_P1_107386_7896902	NC_021165.1	Ca_kabuli_chr06	7896902	GG	TT	1940350638
SNP_P1_107387_7896908	NC_021165.1	Ca_kabuli_chr06	7896908	AA	GG	1940350640
SNP_P1_107388_7897099	NC_021165.1	Ca_kabuli_chr06	7897099	AA	GG	1940350642
SNP_P1_107389_7897178	NC_021165.1	Ca_kabuli_chr06	7897178	CC	TT	1940350643
SNP_P1_107390_7897285	NC_021165.1	Ca_kabuli_chr06	7897285	TT	AA	1940350645
SNP_P1_107393_7899248	NC_021165.1	Ca_kabuli_chr06	7899248	GG	AA	1940350647
SNP_P1_107395_7901636	NC_021165.1	Ca_kabuli_chr06	7901636	CC	TT	1940350649
SNP_P1_107396_7901871	NC_021165.1	Ca_kabuli_chr06	7901871	GG	TT	1940350650
SNP_P1_107397_7901900	NC_021165.1	Ca_kabuli_chr06	7901900	AA	GG	1940350652

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107400_7902421	NC_021165.1	Ca_kabuli_chr06	7902421	GG	AA	1940350657
SNP_P1_107401_7902460	NC_021165.1	Ca_kabuli_chr06	7902460	CC	AA	1940350659
SNP_P1_107403_7902818	NC_021165.1	Ca_kabuli_chr06	7902818	GG	AA	1940350661
SNP_P1_107405_7903902	NC_021165.1	Ca_kabuli_chr06	7903902	GG	TT	1940350663
SNP_P1_107406_7903951	NC_021165.1	Ca_kabuli_chr06	7903951	GG	AA	1940350664
SNP_P1_107407_7903963	NC_021165.1	Ca_kabuli_chr06	7903963	GG	AA	1940350666
SNP_P1_107408_7903966	NC_021165.1	Ca_kabuli_chr06	7903966	GG	AA	1940350668
SNP_P1_107409_7903989	NC_021165.1	Ca_kabuli_chr06	7903989	TT	CC	1940350669
SNP_P1_107410_7904060	NC_021165.1	Ca_kabuli_chr06	7904060	CC	TT	1940350671
SNP_P1_107411_7904064	NC_021165.1	Ca_kabuli_chr06	7904064	CC	TT	1940350673
SNP_P1_107412_7904406	NC_021165.1	Ca_kabuli_chr06	7904406	TT	GG	1940350675
SNP_P1_107413_7904468	NC_021165.1	Ca_kabuli_chr06	7904468	GG	TT	1940350676
SNP_P1_107415_7904923	NC_021165.1	Ca_kabuli_chr06	7904923	AA	GG	1940350678
SNP_P1_107416_7905460	NC_021165.1	Ca_kabuli_chr06	7905460	TT	GG	1940350680
SNP_P1_107417_7905598	NC_021165.1	Ca_kabuli_chr06	7905598	TT	CC	1940350682
SNP_P1_107418_7906658	NC_021165.1	Ca_kabuli_chr06	7906658	GG	TT	1940350683
SNP_P1_107419_7906703	NC_021165.1	Ca_kabuli_chr06	7906703	GG	TT	1940350685
SNP_P1_107420_7906711	NC_021165.1	Ca_kabuli_chr06	7906711	CC	GG	1940350687
SNP_P1_107421_7906973	NC_021165.1	Ca_kabuli_chr06	7906973	GG	CC	1940350689
SNP_P1_107422_7907013	NC_021165.1	Ca_kabuli_chr06	7907013	GG	AA	1940350690
SNP_P1_107423_7907331	NC_021165.1	Ca_kabuli_chr06	7907331	AA	TT	1940350692
SNP_P1_107424_7907332	NC_021165.1	Ca_kabuli_chr06	7907332	AA	GG	1940350694
SNP_P1_107425_7908380	NC_021165.1	Ca_kabuli_chr06	7908380	TT	CC	1940350695
SNP_P1_107426_7909290	NC_021165.1	Ca_kabuli_chr06	7909290	CC	TT	1940350697
SNP_P1_107427_7909642	NC_021165.1	Ca_kabuli_chr06	7909642	AA	GG	1940350699
SNP_P1_107428_7909644	NC_021165.1	Ca_kabuli_chr06	7909644	GG	AA	1940350701
SNP_P1_107429_7909985	NC_021165.1	Ca_kabuli_chr06	7909985	CC	GG	1940350702
SNP_P1_107430_7911430	NC_021165.1	Ca_kabuli_chr06	7911430	TT	GG	1940350704
SNP_P1_107431_7911496	NC_021165.1	Ca_kabuli_chr06	7911496	CC	AA	1940350706
SNP_P1_107433_7911895	NC_021165.1	Ca_kabuli_chr06	7911895	TT	AA	1940350708
SNP_P1_107435_7912913	NC_021165.1	Ca_kabuli_chr06	7912913	CC	TT	1940350710
SNP_P1_107436_7912920	NC_021165.1	Ca_kabuli_chr06	7912920	TT	CC	1940350711
SNP_P1_107437_7912938	NC_021165.1	Ca_kabuli_chr06	7912938	GG	CC	1940350713
SNP_P1_107438_7912978	NC_021165.1	Ca_kabuli_chr06	7912978	TT	CC	1940350715
SNP_P1_107439_7912988	NC_021165.1	Ca_kabuli_chr06	7912988	CC	TT	1940350717
SNP_P1_107440_7913021	NC_021165.1	Ca_kabuli_chr06	7913021	AA	GG	1940350718
SNP_P1_107441_7913130	NC_021165.1	Ca_kabuli_chr06	7913130	CC	AA	1940350720
SNP_P1_107443_7915045	NC_021165.1	Ca_kabuli_chr06	7915045	CC	TT	1940350722
SNP_P1_107444_7915472	NC_021165.1	Ca_kabuli_chr06	7915472	CC	TT	1940350724
SNP_P1_107445_7916539	NC_021165.1	Ca_kabuli_chr06	7916539	AA	GG	1940350725

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107447_7919606	NC_021165.1	Ca_kabuli_chr06	7919606	TT	AA	1940350729
SNP_P1_107448_7919628	NC_021165.1	Ca_kabuli_chr06	7919628	GG	AA	1940350730
SNP_P1_107449_7919774	NC_021165.1	Ca_kabuli_chr06	7919774	GG	AA	1940350732
SNP_P1_107450_7919791	NC_021165.1	Ca_kabuli_chr06	7919791	CC	TT	1940350734
SNP_P1_107453_7921475	NC_021165.1	Ca_kabuli_chr06	7921475	AA	GG	1940350736
SNP_P1_107454_7921523	NC_021165.1	Ca_kabuli_chr06	7921523	CC	TT	1940350737
SNP_P1_107455_7921530	NC_021165.1	Ca_kabuli_chr06	7921530	TT	CC	1940350739
SNP_P1_107456_7921722	NC_021165.1	Ca_kabuli_chr06	7921722	AA	TT	1940350741
SNP_P1_107457_7921762	NC_021165.1	Ca_kabuli_chr06	7921762	AA	GG	1940350743
SNP_P1_107458_7921810	NC_021165.1	Ca_kabuli_chr06	7921810	TT	AA	1940350744
SNP_P1_107459_7921816	NC_021165.1	Ca_kabuli_chr06	7921816	TT	AA	1940350746
SNP_P1_107460_7921848	NC_021165.1	Ca_kabuli_chr06	7921848	AA	TT	1940350748
SNP_P1_107461_7921862	NC_021165.1	Ca_kabuli_chr06	7921862	GG	AA	1940350749
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SNP_P1_107464_7922118	NC_021165.1	Ca_kabuli_chr06	7922118	TT	GG	1940350753
SNP_P1_107465_7922146	NC_021165.1	Ca_kabuli_chr06	7922146	AA	TT	1940350755
SNP_P1_107466_7922304	NC_021165.1	Ca_kabuli_chr06	7922304	AA	CC	1940350756
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SNP_P1_107468_7922385	NC_021165.1	Ca_kabuli_chr06	7922385	AA	GG	1940350760
SNP_P1_107469_7923096	NC_021165.1	Ca_kabuli_chr06	7923096	GG	CC	1940350762
SNP_P1_107470_7923619	NC_021165.1	Ca_kabuli_chr06	7923619	TT	AA	1940350763
SNP_P1_107471_7923713	NC_021165.1	Ca_kabuli_chr06	7923713	CC	TT	1940350765
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SNP_P1_107476_7928033	NC_021165.1	Ca_kabuli_chr06	7928033	TT	GG	1940350773
SNP_P1_107477_7928067	NC_021165.1	Ca_kabuli_chr06	7928067	TT	CC	1940350775
SNP_P1_107478_7928101	NC_021165.1	Ca_kabuli_chr06	7928101	GG	TT	1940350777
SNP_P1_107479_7928107	NC_021165.1	Ca_kabuli_chr06	7928107	TT	GG	1940350779
SNP_P1_107480_7928119	NC_021165.1	Ca_kabuli_chr06	7928119	TT	AA	1940350780
SNP_P1_107481_7928743	NC_021165.1	Ca_kabuli_chr06	7928743	TT	CC	1940350782
SNP_P1_107482_7929984	NC_021165.1	Ca_kabuli_chr06	7929984	AA	TT	1940350784
SNP_P1_107483_7931571	NC_021165.1	Ca_kabuli_chr06	7931571	AA	TT	1940350786
SNP_P1_107484_7931856	NC_021165.1	Ca_kabuli_chr06	7931856	AA	GG	1940350787
SNP_P1_107485_7932202	NC_021165.1	Ca_kabuli_chr06	7932202	AA	GG	1940350789
SNP_P1_107486_7932802	NC_021165.1	Ca_kabuli_chr06	7932802	AA	TT	1940350791
SNP_P1_107487_7932920	NC_021165.1	Ca_kabuli_chr06	7932920	AA	GG	1940350792
SNP_P1_107488_7932937	NC_021165.1	Ca_kabuli_chr06	7932937	TT	CC	1940350794
SNP_P1_107490_7933577	NC_021165.1	Ca_kabuli_chr06	7933577	AA	TT	1940350796
SNP_P1_107491_7933626	NC_021165.1	Ca_kabuli_chr06	7933626	CC	TT	1940350798

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107494_7934144	NC_021165.1	Ca_kabuli_chr06	7934144	AA	GG	1940350803
SNP_P1_107495_7934320	NC_021165.1	Ca_kabuli_chr06	7934320	AA	GG	1940350805
SNP_P1_107497_7934458	NC_021165.1	Ca_kabuli_chr06	7934458	CC	TT	1940350806
SNP_P1_107498_7934471	NC_021165.1	Ca_kabuli_chr06	7934471	TT	CC	1940350808
SNP_P1_107499_7934777	NC_021165.1	Ca_kabuli_chr06	7934777	GG	CC	1940350810
SNP_P1_107500_7934782	NC_021165.1	Ca_kabuli_chr06	7934782	GG	AA	1940350812
SNP_P1_107501_7934966	NC_021165.1	Ca_kabuli_chr06	7934966	CC	TT	1940350813
SNP_P1_107502_7935261	NC_021165.1	Ca_kabuli_chr06	7935261	CC	TT	1940350815
SNP_P1_107503_7935321	NC_021165.1	Ca_kabuli_chr06	7935321	GG	AA	1940350817
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SNP_P1_107510_7936493	NC_021165.1	Ca_kabuli_chr06	7936493	AA	GG	1940350827
SNP_P1_107511_7936576	NC_021165.1	Ca_kabuli_chr06	7936576	GG	AA	1940350829
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SNP_P1_107513_7936846	NC_021165.1	Ca_kabuli_chr06	7936846	GG	AA	1940350832
SNP_P1_107514_7938280	NC_021165.1	Ca_kabuli_chr06	7938280	GG	AA	1940350834
SNP_P1_107515_7938771	NC_021165.1	Ca_kabuli_chr06	7938771	TT	CC	1940350836
SNP_P1_107517_7939597	NC_021165.1	Ca_kabuli_chr06	7939597	CC	TT	1940350838
SNP_P1_107518_7939646	NC_021165.1	Ca_kabuli_chr06	7939646	TT	AA	1940350839
SNP_P1_107519_7939666	NC_021165.1	Ca_kabuli_chr06	7939666	TT	AA	1940350841
SNP_P1_107520_7940744	NC_021165.1	Ca_kabuli_chr06	7940744	TT	GG	1940350843
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SNP_P1_107522_7942361	NC_021165.1	Ca_kabuli_chr06	7942361	GG	TT	1940350846
SNP_P1_107523_7942871	NC_021165.1	Ca_kabuli_chr06	7942871	GG	TT	1940350848
SNP_P1_107524_7942874	NC_021165.1	Ca_kabuli_chr06	7942874	AA	TT	1940350850
SNP_P1_107525_7942985	NC_021165.1	Ca_kabuli_chr06	7942985	GG	AA	1940350851
SNP_P1_107526_7943057	NC_021165.1	Ca_kabuli_chr06	7943057	GG	CC	1940350853
SNP_P1_107527_7943086	NC_021165.1	Ca_kabuli_chr06	7943086	GG	TT	1940350855
SNP_P1_107528_7943100	NC_021165.1	Ca_kabuli_chr06	7943100	GG	AA	1940350857
SNP_P1_107530_7943258	NC_021165.1	Ca_kabuli_chr06	7943258	GG	AA	1940350858
SNP_P1_107531_7943270	NC_021165.1	Ca_kabuli_chr06	7943270	GG	AA	1940350860
SNP_P1_107532_7943426	NC_021165.1	Ca_kabuli_chr06	7943426	TT	AA	1940350862
SNP_P1_107533_7943558	NC_021165.1	Ca_kabuli_chr06	7943558	AA	CC	1940350864
SNP_P1_107534_7944922	NC_021165.1	Ca_kabuli_chr06	7944922	AA	CC	1940350865
SNP_P1_107535_7946427	NC_021165.1	Ca_kabuli_chr06	7946427	TT	GG	1940350867
SNP_P1_107536_7946442	NC_021165.1	Ca_kabuli_chr06	7946442	AA	GG	1940350869
SNP_P1_107538_7946971	NC_021165.1	Ca_kabuli_chr06	7946971	TT	AA	1940350871

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107540_7947165	NC_021165.1	Ca_kabuli_chr06	7947165	TT	GG	1940350874
SNP_P1_107541_7947266	NC_021165.1	Ca_kabuli_chr06	7947266	CC	TT	1940350876
SNP_P1_107543_7948500	NC_021165.1	Ca_kabuli_chr06	7948500	CC	AA	1940350878
SNP_P1_107544_7949011	NC_021165.1	Ca_kabuli_chr06	7949011	CC	AA	1940350879
SNP_P1_107545_7950587	NC_021165.1	Ca_kabuli_chr06	7950587	GG	TT	1940350881
SNP_P1_107546_7950919	NC_021165.1	Ca_kabuli_chr06	7950919	GG	CC	1940350883
SNP_P1_107547_7951285	NC_021165.1	Ca_kabuli_chr06	7951285	AA	TT	1940350884
SNP_P1_107548_7951717	NC_021165.1	Ca_kabuli_chr06	7951717	TT	CC	1940350886
SNP_P1_107549_7951739	NC_021165.1	Ca_kabuli_chr06	7951739	TT	CC	1940350888
SNP_P1_107550_7952952	NC_021165.1	Ca_kabuli_chr06	7952952	CC	AA	1940350890
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SNP_P1_107552_7954014	NC_021165.1	Ca_kabuli_chr06	7954014	CC	TT	1940350893
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SNP_P1_107554_7954030	NC_021165.1	Ca_kabuli_chr06	7954030	TT	CC	1940350897
SNP_P1_107555_7954076	NC_021165.1	Ca_kabuli_chr06	7954076	CC	GG	1940350898
SNP_P1_107557_7954624	NC_021165.1	Ca_kabuli_chr06	7954624	GG	AA	1940350900
SNP_P1_107558_7955115	NC_021165.1	Ca_kabuli_chr06	7955115	TT	AA	1940350902
SNP_P1_107560_7955294	NC_021165.1	Ca_kabuli_chr06	7955294	CC	TT	1940350904
SNP_P1_107561_7955323	NC_021165.1	Ca_kabuli_chr06	7955323	GG	TT	1940350905
SNP_P1_107562_7955508	NC_021165.1	Ca_kabuli_chr06	7955508	CC	TT	1940350907
SNP_P1_107563_7955540	NC_021165.1	Ca_kabuli_chr06	7955540	AA	TT	1940350909
SNP_P1_107564_7955794	NC_021165.1	Ca_kabuli_chr06	7955794	AA	TT	1940350910
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SNP_P1_107566_7955811	NC_021165.1	Ca_kabuli_chr06	7955811	AA	TT	1940350914
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SNP_P1_107572_7958180	NC_021165.1	Ca_kabuli_chr06	7958180	GG	TT	1940350921
SNP_P1_107574_7959117	NC_021165.1	Ca_kabuli_chr06	7959117	TT	GG	1940350923
SNP_P1_107575_7959126	NC_021165.1	Ca_kabuli_chr06	7959126	GG	AA	1940350924
SNP_P1_107576_7959177	NC_021165.1	Ca_kabuli_chr06	7959177	TT	GG	1940350926
SNP_P1_107577_7959217	NC_021165.1	Ca_kabuli_chr06	7959217	GG	AA	1940350928
SNP_P1_107578_7959265	NC_021165.1	Ca_kabuli_chr06	7959265	GG	AA	1940350929
SNP_P1_107579_7959291	NC_021165.1	Ca_kabuli_chr06	7959291	CC	AA	1940350931
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SNP_P1_107581_7959504	NC_021165.1	Ca_kabuli_chr06	7959504	GG	TT	1940350935
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SNP_P1_107584_7959690	NC_021165.1	Ca_kabuli_chr06	7959690	GG	CC	1940350940
SNP_P1_107585_7959911	NC_021165.1	Ca_kabuli_chr06	7959911	GG	TT	1940350942
SNP_P1_107586_7959948	NC_021165.1	Ca_kabuli_chr06	7959948	CC	TT	1940350943

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107589_7960856	NC_021165.1	Ca_kabuli_chr06	7960856	GG	AA	1940350949
SNP_P1_107590_7960865	NC_021165.1	Ca_kabuli_chr06	7960865	GG	AA	1940350950
SNP_P1_107591_7961302	NC_021165.1	Ca_kabuli_chr06	7961302	TT	CC	1940350952
SNP_P1_107592_7961797	NC_021165.1	Ca_kabuli_chr06	7961797	CC	AA	1940350954
SNP_P1_107593_7961856	NC_021165.1	Ca_kabuli_chr06	7961856	AA	CC	1940350955
SNP_P1_107594_7961859	NC_021165.1	Ca_kabuli_chr06	7961859	AA	CC	1940350957
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SNP_P1_107597_7961894	NC_021165.1	Ca_kabuli_chr06	7961894	AA	TT	1940350962
SNP_P1_107598_7961933	NC_021165.1	Ca_kabuli_chr06	7961933	AA	GG	1940350964
SNP_P1_107600_7962151	NC_021165.1	Ca_kabuli_chr06	7962151	GG	TT	1940350966
SNP_P1_107601_7962222	NC_021165.1	Ca_kabuli_chr06	7962222	GG	AA	1940350968
SNP_P1_107602_7962311	NC_021165.1	Ca_kabuli_chr06	7962311	AA	GG	1940350969
SNP_P1_107604_7963273	NC_021165.1	Ca_kabuli_chr06	7963273	AA	GG	1940350971
SNP_P1_107605_7963310	NC_021165.1	Ca_kabuli_chr06	7963310	CC	AA	1940350973
SNP_P1_107606_7963322	NC_021165.1	Ca_kabuli_chr06	7963322	AA	GG	1940350975
SNP_P1_107607_7964326	NC_021165.1	Ca_kabuli_chr06	7964326	AA	GG	1940350976
SNP_P1_107608_7966027	NC_021165.1	Ca_kabuli_chr06	7966027	AA	GG	1940350978
SNP_P1_107609_7966337	NC_021165.1	Ca_kabuli_chr06	7966337	AA	GG	1940350980
SNP_P1_107610_7966348	NC_021165.1	Ca_kabuli_chr06	7966348	AA	GG	1940350981
SNP_P1_107611_7966367	NC_021165.1	Ca_kabuli_chr06	7966367	AA	GG	1940350983
SNP_P1_107612_7966371	NC_021165.1	Ca_kabuli_chr06	7966371	GG	CC	1940350985
SNP_P1_107613_7966420	NC_021165.1	Ca_kabuli_chr06	7966420	TT	CC	1940350987
SNP_P1_107614_7966425	NC_021165.1	Ca_kabuli_chr06	7966425	GG	AA	1940350988
SNP_P1_107615_7966532	NC_021165.1	Ca_kabuli_chr06	7966532	TT	CC	1940350990
SNP_P1_107616_7966548	NC_021165.1	Ca_kabuli_chr06	7966548	TT	CC	1940350992
SNP_P1_107617_7966559	NC_021165.1	Ca_kabuli_chr06	7966559	AA	GG	1940350994
SNP_P1_107618_7966620	NC_021165.1	Ca_kabuli_chr06	7966620	AA	CC	1940350995
SNP_P1_107619_7966626	NC_021165.1	Ca_kabuli_chr06	7966626	TT	CC	1940350997
SNP_P1_107620_7966629	NC_021165.1	Ca_kabuli_chr06	7966629	TT	CC	1940350999
SNP_P1_107621_7966672	NC_021165.1	Ca_kabuli_chr06	7966672	CC	TT	1940351001
SNP_P1_107622_7967015	NC_021165.1	Ca_kabuli_chr06	7967015	CC	GG	1940351002
SNP_P1_107623_7967205	NC_021165.1	Ca_kabuli_chr06	7967205	CC	AA	1940351004
SNP_P1_107624_7967225	NC_021165.1	Ca_kabuli_chr06	7967225	AA	TT	1940351006
SNP_P1_107626_7968354	NC_021165.1	Ca_kabuli_chr06	7968354	CC	GG	1940351007
SNP_P1_107627_7968376	NC_021165.1	Ca_kabuli_chr06	7968376	AA	GG	1940351009
SNP_P1_107628_7968405	NC_021165.1	Ca_kabuli_chr06	7968405	TT	AA	1940351011
SNP_P1_107629_7968410	NC_021165.1	Ca_kabuli_chr06	7968410	CC	TT	1940351013
SNP_P1_107630_7968424	NC_021165.1	Ca_kabuli_chr06	7968424	GG	AA	1940351014
SNP_P1_107631_7968482	NC_021165.1	Ca_kabuli_chr06	7968482	TT	AA	1940351016

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107634_7969347	NC_021165.1	Ca_kabuli_chr06	7969347	CC	GG	1940351020
SNP_P1_107635_7969468	NC_021165.1	Ca_kabuli_chr06	7969468	GG	CC	1940351021
SNP_P1_107636_7969469	NC_021165.1	Ca_kabuli_chr06	7969469	AA	TT	1940351023
SNP_P1_107637_7969907	NC_021165.1	Ca_kabuli_chr06	7969907	GG	AA	1940351025
SNP_P1_107638_7970896	NC_021165.1	Ca_kabuli_chr06	7970896	CC	TT	1940351027
SNP_P1_107639_7971428	NC_021165.1	Ca_kabuli_chr06	7971428	CC	TT	1940351028
SNP_P1_107640_7971810	NC_021165.1	Ca_kabuli_chr06	7971810	CC	AA	1940351030
SNP_P1_107642_7972641	NC_021165.1	Ca_kabuli_chr06	7972641	GG	AA	1940351032
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SNP_P1_107645_7973674	NC_021165.1	Ca_kabuli_chr06	7973674	AA	CC	1940351035
SNP_P1_107646_7973742	NC_021165.1	Ca_kabuli_chr06	7973742	AA	GG	1940351037
SNP_P1_107647_7973804	NC_021165.1	Ca_kabuli_chr06	7973804	AA	GG	1940351039
SNP_P1_107648_7974061	NC_021165.1	Ca_kabuli_chr06	7974061	TT	GG	1940351040
SNP_P1_107649_7974097	NC_021165.1	Ca_kabuli_chr06	7974097	GG	AA	1940351042
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SNP_P1_107653_7975960	NC_021165.1	Ca_kabuli_chr06	7975960	TT	CC	1940351047
SNP_P1_107654_7975964	NC_021165.1	Ca_kabuli_chr06	7975964	AA	GG	1940351049
SNP_P1_107655_7975996	NC_021165.1	Ca_kabuli_chr06	7975996	AA	GG	1940351051
SNP_P1_107656_7976080	NC_021165.1	Ca_kabuli_chr06	7976080	GG	AA	1940351053
SNP_P1_107657_7976144	NC_021165.1	Ca_kabuli_chr06	7976144	CC	TT	1940351054
SNP_P1_107659_7976995	NC_021165.1	Ca_kabuli_chr06	7976995	AA	GG	1940351056
SNP_P1_107661_7978654	NC_021165.1	Ca_kabuli_chr06	7978654	CC	GG	1940351058
SNP_P1_107662_7978735	NC_021165.1	Ca_kabuli_chr06	7978735	AA	CC	1940351059
SNP_P1_107663_7978808	NC_021165.1	Ca_kabuli_chr06	7978808	AA	TT	1940351061
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SNP_P1_107665_7979573	NC_021165.1	Ca_kabuli_chr06	7979573	AA	GG	1940351065
SNP_P1_107666_7979815	NC_021165.1	Ca_kabuli_chr06	7979815	TT	CC	1940351066
SNP_P1_107667_7979817	NC_021165.1	Ca_kabuli_chr06	7979817	AA	TT	1940351068
SNP_P1_107669_7979846	NC_021165.1	Ca_kabuli_chr06	7979846	TT	AA	1940351070
SNP_P1_107670_7979893	NC_021165.1	Ca_kabuli_chr06	7979893	AA	GG	1940351072
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SNP_P1_107674_7980292	NC_021165.1	Ca_kabuli_chr06	7980292	AA	GG	1940351077
SNP_P1_107677_7985629	NC_021165.1	Ca_kabuli_chr06	7985629	AA	TT	1940351079
SNP_P1_107678_7985652	NC_021165.1	Ca_kabuli_chr06	7985652	CC	GG	1940351080
SNP_P1_107680_7986355	NC_021165.1	Ca_kabuli_chr06	7986355	AA	TT	1940351082
SNP_P1_107681_7986475	NC_021165.1	Ca_kabuli_chr06	7986475	GG	AA	1940351084
SNP_P1_107682_7987263	NC_021165.1	Ca_kabuli_chr06	7987263	CC	TT	1940351085
SNP_P1_107683_7987271	NC_021165.1	Ca_kabuli_chr06	7987271	TT	AA	1940351087
SNP_P1_107684_7987319	NC_021165.1	Ca_kabuli_chr06	7987319	CC	GG	1940351089

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107688_7989536	NC_021165.1	Ca_kabuli_chr06	7989536	CC	GG	1940351094
SNP_P1_107689_7990065	NC_021165.1	Ca_kabuli_chr06	7990065	CC	TT	1940351096
SNP_P1_107690_7990174	NC_021165.1	Ca_kabuli_chr06	7990174	GG	CC	1940351098
SNP_P1_107691_7990362	NC_021165.1	Ca_kabuli_chr06	7990362	AA	GG	1940351099
SNP_P1_107692_7990759	NC_021165.1	Ca_kabuli_chr06	7990759	AA	TT	1940351101
SNP_P1_107693_7991330	NC_021165.1	Ca_kabuli_chr06	7991330	AA	CC	1940351103
SNP_P1_107694_7991398	NC_021165.1	Ca_kabuli_chr06	7991398	GG	TT	1940351105
SNP_P1_107695_7991617	NC_021165.1	Ca_kabuli_chr06	7991617	TT	CC	1940351106
SNP_P1_107696_7991652	NC_021165.1	Ca_kabuli_chr06	7991652	CC	AA	1940351108
SNP_P1_107697_7991656	NC_021165.1	Ca_kabuli_chr06	7991656	GG	TT	1940351110
SNP_P1_107698_7993865	NC_021165.1	Ca_kabuli_chr06	7993865	GG	AA	1940351111
SNP_P1_107699_7994271	NC_021165.1	Ca_kabuli_chr06	7994271	GG	AA	1940351113
SNP_P1_107700_7995569	NC_021165.1	Ca_kabuli_chr06	7995569	CC	GG	1940351115
SNP_P1_107702_7995680	NC_021165.1	Ca_kabuli_chr06	7995680	TT	GG	1940351117
SNP_P1_107704_7996692	NC_021165.1	Ca_kabuli_chr06	7996692	GG	AA	1940351118
SNP_P1_107705_7996912	NC_021165.1	Ca_kabuli_chr06	7996912	CC	TT	1940351120
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SNP_P1_107709_7999905	NC_021165.1	Ca_kabuli_chr06	7999905	GG	AA	1940351127
SNP_P1_107710_7999907	NC_021165.1	Ca_kabuli_chr06	7999907	CC	TT	1940351129
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SNP_P1_107712_7999942	NC_021165.1	Ca_kabuli_chr06	7999942	AA	TT	1940351132
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SNP_P1_107717_8000076	NC_021165.1	Ca_kabuli_chr06	8000076	CC	TT	1940351141
SNP_P1_107718_8000079	NC_021165.1	Ca_kabuli_chr06	8000079	GG	AA	1940351143
SNP_P1_107719_8000110	NC_021165.1	Ca_kabuli_chr06	8000110	GG	AA	1940351144
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SNP_P1_107721_8000280	NC_021165.1	Ca_kabuli_chr06	8000280	GG	TT	1940351148
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SNP_P1_107723_8000300	NC_021165.1	Ca_kabuli_chr06	8000300	CC	GG	1940351151
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SNP_P1_107727_8000639	NC_021165.1	Ca_kabuli_chr06	8000639	AA	GG	1940351158
SNP_P1_107728_8000661	NC_021165.1	Ca_kabuli_chr06	8000661	CC	GG	1940351160
SNP_P1_107729_8000948	NC_021165.1	Ca_kabuli_chr06	8000948	CC	TT	1940351162

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107733_8004246	NC_021165.1	Ca_kabuli_chr06	8004246	TT	AA	1940351167
SNP_P1_107734_8004281	NC_021165.1	Ca_kabuli_chr06	8004281	AA	GG	1940351169
SNP_P1_107735_8005003	NC_021165.1	Ca_kabuli_chr06	8005003	GG	AA	1940351170
SNP_P1_107736_8005703	NC_021165.1	Ca_kabuli_chr06	8005703	AA	TT	1940351172
SNP_P1_107737_8005722	NC_021165.1	Ca_kabuli_chr06	8005722	GG	AA	1940351174
SNP_P1_107738_8007154	NC_021165.1	Ca_kabuli_chr06	8007154	GG	TT	1940351176
SNP_P1_107740_8008299	NC_021165.1	Ca_kabuli_chr06	8008299	CC	TT	1940351177
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SNP_P1_107747_8019825	NC_021165.1	Ca_kabuli_chr06	8019825	CC	AA	1940351186
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SNP_P1_107766_8030143	NC_021165.1	Ca_kabuli_chr06	8030143	TT	GG	1940351215
SNP_P1_107767_8030208	NC_021165.1	Ca_kabuli_chr06	8030208	CC	AA	1940351217
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SNP_P1_107769_8031373	NC_021165.1	Ca_kabuli_chr06	8031373	TT	AA	1940351221
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SNP_P1_107776_8032765	NC_021165.1	Ca_kabuli_chr06	8032765	CC	TT	1940351229
SNP_P1_107777_8032770	NC_021165.1	Ca_kabuli_chr06	8032770	TT	CC	1940351231
SNP_P1_107778_8032818	NC_021165.1	Ca_kabuli_chr06	8032818	TT	CC	1940351233
SNP_P1_107779_8032835	NC_021165.1	Ca_kabuli_chr06	8032835	AA	GG	1940351234

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107785_8033174	NC_021165.1	Ca_kabuli_chr06	8033174	TT	CC	1940351240
SNP_P1_107788_8033325	NC_021165.1	Ca_kabuli_chr06	8033325	GG	AA	1940351241
SNP_P1_107789_8033338	NC_021165.1	Ca_kabuli_chr06	8033338	CC	TT	1940351243
SNP_P1_107790_8033398	NC_021165.1	Ca_kabuli_chr06	8033398	AA	GG	1940351245
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SNP_P1_107800_8034031	NC_021165.1	Ca_kabuli_chr06	8034031	CC	TT	1940351262
SNP_P1_107801_8034038	NC_021165.1	Ca_kabuli_chr06	8034038	AA	GG	1940351264
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SNP_P1_107807_8034473	NC_021165.1	Ca_kabuli_chr06	8034473	CC	TT	1940351274
SNP_P1_107809_8035441	NC_021165.1	Ca_kabuli_chr06	8035441	AA	GG	1940351276
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SNP_P1_107813_8040405	NC_021165.1	Ca_kabuli_chr06	8040405	AA	GG	1940351283
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SNP_P1_107816_8040474	NC_021165.1	Ca_kabuli_chr06	8040474	CC	TT	1940351288
SNP_P1_107817_8040499	NC_021165.1	Ca_kabuli_chr06	8040499	TT	CC	1940351290
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SNP_P1_107819_8040663	NC_021165.1	Ca_kabuli_chr06	8040663	TT	AA	1940351293
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SNP_P1_107826_8041975	NC_021165.1	Ca_kabuli_chr06	8041975	GG	AA	1940351304
SNP_P1_107827_8042344	NC_021165.1	Ca_kabuli_chr06	8042344	AA	GG	1940351306
SNP_P1_107828_8043471	NC_021165.1	Ca_kabuli_chr06	8043471	CC	TT	1940351307

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_107829_8043536	NC_021165.1	Ca_kabuli_chr06	8043536	AA	GG	1940351309
SNP_P1_107830_8043755	NC_021165.1	Ca_kabuli_chr06	8043755	TT	CC	1940351311
SNP_P1_107831_8043789	NC_021165.1	Ca_kabuli_chr06	8043789	TT	GG	1940351312
SNP_P1_107832_8044087	NC_021165.1	Ca_kabuli_chr06	8044087	GG	AA	1940351314
SNP_P1_107833_8044113	NC_021165.1	Ca_kabuli_chr06	8044113	GG	AA	1940351316
SNP_P1_107834_8044165	NC_021165.1	Ca_kabuli_chr06	8044165	TT	CC	1940351318
SNP_P1_107835_8044694	NC_021165.1	Ca_kabuli_chr06	8044694	TT	AA	1940351319
SNP_P1_107836_8045078	NC_021165.1	Ca_kabuli_chr06	8045078	TT	CC	1940351321
SNP_P1_107837_8045823	NC_021165.1	Ca_kabuli_chr06	8045823	AA	GG	1940351323
SNP_P1_107839_8045998	NC_021165.1	Ca_kabuli_chr06	8045998	AA	GG	1940351325
SNP_P1_107840_8046154	NC_021165.1	Ca_kabuli_chr06	8046154	GG	AA	1940351326
SNP_P1_107841_8046313	NC_021165.1	Ca_kabuli_chr06	8046313	CC	TT	1940351328
SNP_P1_107842_8046399	NC_021165.1	Ca_kabuli_chr06	8046399	TT	GG	1940351330
SNP_P1_107843_8046455	NC_021165.1	Ca_kabuli_chr06	8046455	TT	CC	1940351331
SNP_P1_107844_8046718	NC_021165.1	Ca_kabuli_chr06	8046718	AA	GG	1940351333
SNP_P1_107845_8048415	NC_021165.1	Ca_kabuli_chr06	8048415	AA	CC	1940351335
SNP_P1_107846_8048464	NC_021165.1	Ca_kabuli_chr06	8048464	TT	AA	1940351337
SNP_P1_107847_8048475	NC_021165.1	Ca_kabuli_chr06	8048475	AA	CC	1940351338
SNP_P1_107848_8048903	NC_021165.1	Ca_kabuli_chr06	8048903	AA	TT	1940351340
SNP_P1_107849_8048952	NC_021165.1	Ca_kabuli_chr06	8048952	AA	GG	1940351342
SNP_P1_107850_8049013	NC_021165.1	Ca_kabuli_chr06	8049013	TT	AA	1940351344
SNP_P1_107851_8051679	NC_021165.1	Ca_kabuli_chr06	8051679	AA	GG	1940351345
SNP_P1_107852_8052624	NC_021165.1	Ca_kabuli_chr06	8052624	CC	GG	1940351347
SNP_P1_107853_8053541	NC_021165.1	Ca_kabuli_chr06	8053541	TT	CC	1940351349
SNP_P1_107854_8054651	NC_021165.1	Ca_kabuli_chr06	8054651	AA	GG	1940351351
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SNP_P1_107857_8055754	NC_021165.1	Ca_kabuli_chr06	8055754	TT	CC	1940351356
SNP_P1_107858_8055759	NC_021165.1	Ca_kabuli_chr06	8055759	GG	AA	1940351357
SNP_P1_107859_8055828	NC_021165.1	Ca_kabuli_chr06	8055828	AA	GG	1940351359
SNP_P1_107860_8055904	NC_021165.1	Ca_kabuli_chr06	8055904	TT	CC	1940351361
SNP_P1_107861_8055973	NC_021165.1	Ca_kabuli_chr06	8055973	TT	AA	1940351363
SNP_P1_107862_8055978	NC_021165.1	Ca_kabuli_chr06	8055978	AA	GG	1940351364
SNP_P1_107863_8056017	NC_021165.1	Ca_kabuli_chr06	8056017	TT	CC	1940351366
SNP_P1_107864_8056034	NC_021165.1	Ca_kabuli_chr06	8056034	GG	AA	1940351368
SNP_P1_107865_8056141	NC_021165.1	Ca_kabuli_chr06	8056141	TT	CC	1940351370
SNP_P1_107866_8056197	NC_021165.1	Ca_kabuli_chr06	8056197	CC	TT	1940351371
SNP_P1_107867_8056397	NC_021165.1	Ca_kabuli_chr06	8056397	AA	TT	1940351373
SNP_P1_107869_8058545	NC_021165.1	Ca_kabuli_chr06	8058545	AA	GG	1940351375
SNP_P1_107870_8059886	NC_021165.1	Ca_kabuli_chr06	8059886	TT	GG	1940351377
SNP_P1_107871_8059952	NC_021165.1	Ca_kabuli_chr06	8059952	CC	AA	1940351378
SNP_P1_107872_8060075	NC_021165.1	Ca_kabuli_chr06	8060075	GG	AA	1940351380

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107874_8061687	NC_021165.1	Ca_kabuli_chr06	8061687	GG	AA	1940351383
SNP_P1_107875_8061923	NC_021165.1	Ca_kabuli_chr06	8061923	AA	CC	1940351385
SNP_P1_107876_8061942	NC_021165.1	Ca_kabuli_chr06	8061942	TT	CC	1940351387
SNP_P1_107877_8061969	NC_021165.1	Ca_kabuli_chr06	8061969	CC	TT	1940351389
SNP_P1_107878_8062039	NC_021165.1	Ca_kabuli_chr06	8062039	TT	CC	1940351390
SNP_P1_107879_8062307	NC_021165.1	Ca_kabuli_chr06	8062307	AA	CC	1940351392
SNP_P1_107880_8062543	NC_021165.1	Ca_kabuli_chr06	8062543	AA	GG	1940351394
SNP_P1_107881_8062796	NC_021165.1	Ca_kabuli_chr06	8062796	GG	AA	1940351396
SNP_P1_107882_8063090	NC_021165.1	Ca_kabuli_chr06	8063090	AA	TT	1940351397
SNP_P1_107883_8063092	NC_021165.1	Ca_kabuli_chr06	8063092	TT	AA	1940351399
SNP_P1_107884_8064097	NC_021165.1	Ca_kabuli_chr06	8064097	AA	GG	1940351401
SNP_P1_107885_8064415	NC_021165.1	Ca_kabuli_chr06	8064415	TT	GG	1940351403
SNP_P1_107886_8064416	NC_021165.1	Ca_kabuli_chr06	8064416	GG	AA	1940351404
SNP_P1_107887_8064760	NC_021165.1	Ca_kabuli_chr06	8064760	GG	TT	1940351406
SNP_P1_107888_8064787	NC_021165.1	Ca_kabuli_chr06	8064787	AA	GG	1940351408
SNP_P1_107889_8064808	NC_021165.1	Ca_kabuli_chr06	8064808	AA	GG	1940351409
SNP_P1_107890_8065682	NC_021165.1	Ca_kabuli_chr06	8065682	CC	AA	1940351411
SNP_P1_107891_8071639	NC_021165.1	Ca_kabuli_chr06	8071639	CC	AA	1940351413
SNP_P1_107893_8072475	NC_021165.1	Ca_kabuli_chr06	8072475	TT	GG	1940351415
SNP_P1_107894_8073066	NC_021165.1	Ca_kabuli_chr06	8073066	GG	AA	1940351416
SNP_P1_107895_8073269	NC_021165.1	Ca_kabuli_chr06	8073269	CC	TT	1940351418
SNP_P1_107898_8075973	NC_021165.1	Ca_kabuli_chr06	8075973	GG	TT	1940351420
SNP_P1_107899_8076021	NC_021165.1	Ca_kabuli_chr06	8076021	CC	TT	1940351422
SNP_P1_107900_8076031	NC_021165.1	Ca_kabuli_chr06	8076031	CC	TT	1940351423
SNP_P1_107901_8076298	NC_021165.1	Ca_kabuli_chr06	8076298	AA	TT	1940351425
SNP_P1_107903_8076845	NC_021165.1	Ca_kabuli_chr06	8076845	CC	AA	1940351427
SNP_P1_107904_8076872	NC_021165.1	Ca_kabuli_chr06	8076872	AA	TT	1940351429
SNP_P1_107905_8076931	NC_021165.1	Ca_kabuli_chr06	8076931	TT	CC	1940351430
SNP_P1_107906_8077196	NC_021165.1	Ca_kabuli_chr06	8077196	TT	CC	1940351432
SNP_P1_107908_8077703	NC_021165.1	Ca_kabuli_chr06	8077703	GG	AA	1940351434
SNP_P1_107909_8079042	NC_021165.1	Ca_kabuli_chr06	8079042	TT	CC	1940351435
SNP_P1_107910_8079047	NC_021165.1	Ca_kabuli_chr06	8079047	TT	AA	1940351437
SNP_P1_107911_8079468	NC_021165.1	Ca_kabuli_chr06	8079468	GG	TT	1940351439
SNP_P1_107912_8080486	NC_021165.1	Ca_kabuli_chr06	8080486	TT	CC	1940351441
SNP_P1_107914_8080995	NC_021165.1	Ca_kabuli_chr06	8080995	TT	GG	1940351442
SNP_P1_107915_8083559	NC_021165.1	Ca_kabuli_chr06	8083559	CC	TT	1940351444
SNP_P1_107917_8085032	NC_021165.1	Ca_kabuli_chr06	8085032	TT	CC	1940351446
SNP_P1_107919_8086222	NC_021165.1	Ca_kabuli_chr06	8086222	CC	TT	1940351448
SNP_P1_107920_8086223	NC_021165.1	Ca_kabuli_chr06	8086223	GG	AA	1940351449
SNP_P1_107921_8086232	NC_021165.1	Ca_kabuli_chr06	8086232	GG	TT	1940351451
SNP_P1_107922_8086241	NC_021165.1	Ca_kabuli_chr06	8086241	AA	GG	1940351453

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_107924_8086390	NC_021165.1	Ca_kabuli_chr06	8086390	AA	TT	1940351456
SNP_P1_107925_8086393	NC_021165.1	Ca_kabuli_chr06	8086393	AA	TT	1940351458
SNP_P1_107926_8088180	NC_021165.1	Ca_kabuli_chr06	8088180	AA	TT	1940351460
SNP_P1_107927_8088256	NC_021165.1	Ca_kabuli_chr06	8088256	TT	CC	1940351462
SNP_P1_107928_8088309	NC_021165.1	Ca_kabuli_chr06	8088309	TT	CC	1940351463
SNP_P1_107929_8088618	NC_021165.1	Ca_kabuli_chr06	8088618	CC	GG	1940351465
SNP_P1_107930_8089025	NC_021165.1	Ca_kabuli_chr06	8089025	CC	TT	1940351467
SNP_P1_107931_8089254	NC_021165.1	Ca_kabuli_chr06	8089254	TT	GG	1940351468
SNP_P1_107932_8089388	NC_021165.1	Ca_kabuli_chr06	8089388	GG	AA	1940351470
SNP_P1_107933_8089606	NC_021165.1	Ca_kabuli_chr06	8089606	TT	AA	1940351472
SNP_P1_107934_8089824	NC_021165.1	Ca_kabuli_chr06	8089824	AA	GG	1940351474
SNP_P1_107935_8091765	NC_021165.1	Ca_kabuli_chr06	8091765	TT	AA	1940351475
SNP_P1_107936_8092460	NC_021165.1	Ca_kabuli_chr06	8092460	TT	CC	1940351477
SNP_P1_107937_8093235	NC_021165.1	Ca_kabuli_chr06	8093235	CC	AA	1940351479
SNP_P1_107939_8095458	NC_021165.1	Ca_kabuli_chr06	8095458	CC	TT	1940351481
SNP_P1_107940_8095494	NC_021165.1	Ca_kabuli_chr06	8095494	TT	CC	1940351482
SNP_P1_107941_8096518	NC_021165.1	Ca_kabuli_chr06	8096518	CC	GG	1940351484
SNP_P1_107942_8096533	NC_021165.1	Ca_kabuli_chr06	8096533	AA	GG	1940351486
SNP_P1_107943_8096669	NC_021165.1	Ca_kabuli_chr06	8096669	TT	GG	1940351488
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SNP_P1_107945_8096871	NC_021165.1	Ca_kabuli_chr06	8096871	TT	AA	1940351491
SNP_P1_107946_8097661	NC_021165.1	Ca_kabuli_chr06	8097661	AA	GG	1940351493
SNP_P1_107948_8098701	NC_021165.1	Ca_kabuli_chr06	8098701	AA	GG	1940351494
SNP_P1_107949_8099152	NC_021165.1	Ca_kabuli_chr06	8099152	GG	TT	1940351496
SNP_P1_107950_8099217	NC_021165.1	Ca_kabuli_chr06	8099217	TT	GG	1940351498
SNP_P1_107951_8099421	NC_021165.1	Ca_kabuli_chr06	8099421	AA	GG	1940351500
SNP_P1_107952_8099436	NC_021165.1	Ca_kabuli_chr06	8099436	TT	AA	1940351501
SNP_P1_107953_8099471	NC_021165.1	Ca_kabuli_chr06	8099471	TT	GG	1940351503
SNP_P1_107955_8100319	NC_021165.1	Ca_kabuli_chr06	8100319	AA	GG	1940351505
SNP_P1_107956_8100331	NC_021165.1	Ca_kabuli_chr06	8100331	AA	GG	1940351507
SNP_P1_107959_8101463	NC_021165.1	Ca_kabuli_chr06	8101463	TT	CC	1940351508
SNP_P1_107960_8102416	NC_021165.1	Ca_kabuli_chr06	8102416	GG	AA	1940351510
SNP_P1_107962_8106111	NC_021165.1	Ca_kabuli_chr06	8106111	AA	GG	1940351512
SNP_P1_107963_8106310	NC_021165.1	Ca_kabuli_chr06	8106310	TT	AA	1940351513
SNP_P1_107964_8108717	NC_021165.1	Ca_kabuli_chr06	8108717	AA	GG	1940351515
SNP_P1_107965_8109113	NC_021165.1	Ca_kabuli_chr06	8109113	CC	AA	1940351517
SNP_P1_107966_8109116	NC_021165.1	Ca_kabuli_chr06	8109116	TT	AA	1940351519
SNP_P1_107968_8109487	NC_021165.1	Ca_kabuli_chr06	8109487	TT	AA	1940351520
SNP_P1_107969_8109563	NC_021165.1	Ca_kabuli_chr06	8109563	TT	GG	1940351522
SNP_P1_107970_8109822	NC_021165.1	Ca_kabuli_chr06	8109822	GG	AA	1940351524
SNP_P1_107971_8110104	NC_021165.1	Ca_kabuli_chr06	8110104	TT	CC	1940351526

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_107973_8116438	NC_021165.1	Ca_kabuli_chr06	8116438	AA	TT	1940351527
SNP_P1_107974_8116862	NC_021165.1	Ca_kabuli_chr06	8116862	TT	CC	1940351529
SNP_P1_107975_8117098	NC_021165.1	Ca_kabuli_chr06	8117098	GG	AA	1940351531
SNP_P1_107976_8117996	NC_021165.1	Ca_kabuli_chr06	8117996	CC	TT	1940351533
SNP_P1_107977_8118915	NC_021165.1	Ca_kabuli_chr06	8118915	AA	CC	1940351534
SNP_P1_107979_8122631	NC_021165.1	Ca_kabuli_chr06	8122631	AA	GG	1940351536
SNP_P1_107980_8122822	NC_021165.1	Ca_kabuli_chr06	8122822	AA	TT	1940351538
SNP_P1_107981_8122823	NC_021165.1	Ca_kabuli_chr06	8122823	AA	GG	1940351540
SNP_P1_107982_8122867	NC_021165.1	Ca_kabuli_chr06	8122867	TT	AA	1940351541
SNP_P1_107983_8122895	NC_021165.1	Ca_kabuli_chr06	8122895	CC	TT	1940351543
SNP_P1_107984_8122923	NC_021165.1	Ca_kabuli_chr06	8122923	AA	GG	1940351545
SNP_P1_107985_8123240	NC_021165.1	Ca_kabuli_chr06	8123240	AA	GG	1940351546
SNP_P1_107986_8123439	NC_021165.1	Ca_kabuli_chr06	8123439	GG	AA	1940351548
SNP_P1_107988_8124314	NC_021165.1	Ca_kabuli_chr06	8124314	AA	TT	1940351550
SNP_P1_107989_8124759	NC_021165.1	Ca_kabuli_chr06	8124759	GG	TT	1940351552
SNP_P1_107990_8124763	NC_021165.1	Ca_kabuli_chr06	8124763	CC	TT	1940351553
SNP_P1_107991_8126866	NC_021165.1	Ca_kabuli_chr06	8126866	AA	TT	1940351555
SNP_P1_107992_8126872	NC_021165.1	Ca_kabuli_chr06	8126872	GG	AA	1940351557
SNP_P1_107993_8126982	NC_021165.1	Ca_kabuli_chr06	8126982	CC	TT	1940351559
SNP_P1_107995_8127159	NC_021165.1	Ca_kabuli_chr06	8127159	TT	CC	1940351560
SNP_P1_107996_8127317	NC_021165.1	Ca_kabuli_chr06	8127317	GG	AA	1940351562
SNP_P1_107997_8127325	NC_021165.1	Ca_kabuli_chr06	8127325	GG	AA	1940351564
SNP_P1_107998_8129290	NC_021165.1	Ca_kabuli_chr06	8129290	CC	TT	1940351566
SNP_P1_107999_8129297	NC_021165.1	Ca_kabuli_chr06	8129297	GG	TT	1940351567
SNP_P1_108000_8129311	NC_021165.1	Ca_kabuli_chr06	8129311	TT	CC	1940351569
SNP_P1_108001_8129312	NC_021165.1	Ca_kabuli_chr06	8129312	CC	GG	1940351571
SNP_P1_108002_8129331	NC_021165.1	Ca_kabuli_chr06	8129331	TT	AA	1940351573
SNP_P1_108003_8129338	NC_021165.1	Ca_kabuli_chr06	8129338	CC	TT	1940351574
SNP_P1_108004_8129368	NC_021165.1	Ca_kabuli_chr06	8129368	AA	TT	1940351576
SNP_P1_108005_8129591	NC_021165.1	Ca_kabuli_chr06	8129591	AA	CC	1940351578
SNP_P1_108007_8129714	NC_021165.1	Ca_kabuli_chr06	8129714	AA	CC	1940351579
SNP_P1_108009_8130588	NC_021165.1	Ca_kabuli_chr06	8130588	TT	AA	1940351581
SNP_P1_108010_8130595	NC_021165.1	Ca_kabuli_chr06	8130595	CC	AA	1940351583
SNP_P1_108011_8130619	NC_021165.1	Ca_kabuli_chr06	8130619	TT	AA	1940351585
SNP_P1_108012_8130623	NC_021165.1	Ca_kabuli_chr06	8130623	GG	AA	1940351586
SNP_P1_108014_8130842	NC_021165.1	Ca_kabuli_chr06	8130842	CC	TT	1940351588
SNP_P1_108015_8130947	NC_021165.1	Ca_kabuli_chr06	8130947	AA	TT	1940351590
SNP_P1_108016_8131152	NC_021165.1	Ca_kabuli_chr06	8131152	GG	AA	1940351592
SNP_P1_108017_8132452	NC_021165.1	Ca_kabuli_chr06	8132452	CC	TT	1940351593
SNP_P1_108018_8132701	NC_021165.1	Ca_kabuli_chr06	8132701	TT	CC	1940351595
SNP_P1_108019_8132888	NC_021165.1	Ca_kabuli_chr06	8132888	AA	CC	1940351597
SNP_P1_108020_8132959	NC_021165.1	Ca_kabuli_chr06	8132959	TT	GG	1940351599

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108022_8133148	NC_021165.1	Ca_kabuli_chr06	8133148	CC	TT	1940351602
SNP_P1_108023_8135426	NC_021165.1	Ca_kabuli_chr06	8135426	AA	GG	1940351604
SNP_P1_108024_8135624	NC_021165.1	Ca_kabuli_chr06	8135624	TT	CC	1940351606
SNP_P1_108025_8135640	NC_021165.1	Ca_kabuli_chr06	8135640	AA	GG	1940351607
SNP_P1_108026_8135649	NC_021165.1	Ca_kabuli_chr06	8135649	AA	GG	1940351609
SNP_P1_108027_8135680	NC_021165.1	Ca_kabuli_chr06	8135680	AA	GG	1940351611
SNP_P1_108028_8135714	NC_021165.1	Ca_kabuli_chr06	8135714	CC	TT	1940351612
SNP_P1_108031_8135848	NC_021165.1	Ca_kabuli_chr06	8135848	TT	CC	1940351614
SNP_P1_108033_8137045	NC_021165.1	Ca_kabuli_chr06	8137045	GG	AA	1940351616
SNP_P1_108034_8137960	NC_021165.1	Ca_kabuli_chr06	8137960	GG	AA	1940351618
SNP_P1_108035_8140131	NC_021165.1	Ca_kabuli_chr06	8140131	CC	AA	1940351619
SNP_P1_108036_8141297	NC_021165.1	Ca_kabuli_chr06	8141297	GG	AA	1940351621
SNP_P1_108037_8141358	NC_021165.1	Ca_kabuli_chr06	8141358	TT	CC	1940351623
SNP_P1_108038_8141770	NC_021165.1	Ca_kabuli_chr06	8141770	TT	AA	1940351625
SNP_P1_108039_8142010	NC_021165.1	Ca_kabuli_chr06	8142010	CC	GG	1940351626
SNP_P1_108040_8144182	NC_021165.1	Ca_kabuli_chr06	8144182	GG	AA	1940351628
SNP_P1_108041_8144227	NC_021165.1	Ca_kabuli_chr06	8144227	TT	CC	1940351630
SNP_P1_108042_8144264	NC_021165.1	Ca_kabuli_chr06	8144264	GG	AA	1940351632
SNP_P1_108043_8144993	NC_021165.1	Ca_kabuli_chr06	8144993	GG	TT	1940351633
SNP_P1_108044_8145010	NC_021165.1	Ca_kabuli_chr06	8145010	CC	TT	1940351635
SNP_P1_108046_8145150	NC_021165.1	Ca_kabuli_chr06	8145150	AA	CC	1940351637
SNP_P1_108048_8145345	NC_021165.1	Ca_kabuli_chr06	8145345	GG	AA	1940351638
SNP_P1_108049_8145469	NC_021165.1	Ca_kabuli_chr06	8145469	TT	GG	1940351640
SNP_P1_108050_8145567	NC_021165.1	Ca_kabuli_chr06	8145567	AA	GG	1940351642
SNP_P1_108051_8145578	NC_021165.1	Ca_kabuli_chr06	8145578	GG	AA	1940351644
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SNP_P1_108054_8146341	NC_021165.1	Ca_kabuli_chr06	8146341	TT	GG	1940351647
SNP_P1_108055_8146369	NC_021165.1	Ca_kabuli_chr06	8146369	AA	GG	1940351649
SNP_P1_108056_8146791	NC_021165.1	Ca_kabuli_chr06	8146791	AA	GG	1940351651
SNP_P1_108057_8148821	NC_021165.1	Ca_kabuli_chr06	8148821	GG	AA	1940351652
SNP_P1_108058_8150682	NC_021165.1	Ca_kabuli_chr06	8150682	AA	CC	1940351654
SNP_P1_108060_8152123	NC_021165.1	Ca_kabuli_chr06	8152123	GG	AA	1940351656
SNP_P1_108061_8152392	NC_021165.1	Ca_kabuli_chr06	8152392	GG	AA	1940351658
SNP_P1_108062_8152394	NC_021165.1	Ca_kabuli_chr06	8152394	CC	AA	1940351659
SNP_P1_108063_8152397	NC_021165.1	Ca_kabuli_chr06	8152397	CC	TT	1940351661
SNP_P1_108064_8152402	NC_021165.1	Ca_kabuli_chr06	8152402	GG	AA	1940351663
SNP_P1_108065_8152709	NC_021165.1	Ca_kabuli_chr06	8152709	AA	GG	1940351664
SNP_P1_108066_8153694	NC_021165.1	Ca_kabuli_chr06	8153694	GG	AA	1940351666
SNP_P1_108067_8153714	NC_021165.1	Ca_kabuli_chr06	8153714	TT	CC	1940351668
SNP_P1_108068_8153726	NC_021165.1	Ca_kabuli_chr06	8153726	TT	CC	1940351670
SNP_P1_108069_8153772	NC_021165.1	Ca_kabuli_chr06	8153772	AA	TT	1940351671

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108072_8154561	NC_021165.1	Ca_kabuli_chr06	8154561	AA	GG	1940351675
SNP_P1_108073_8154562	NC_021165.1	Ca_kabuli_chr06	8154562	AA	GG	1940351677
SNP_P1_108074_8154574	NC_021165.1	Ca_kabuli_chr06	8154574	TT	CC	1940351678
SNP_P1_108075_8156074	NC_021165.1	Ca_kabuli_chr06	8156074	AA	GG	1940351680
SNP_P1_108078_8158757	NC_021165.1	Ca_kabuli_chr06	8158757	GG	TT	1940351682
SNP_P1_108079_8159781	NC_021165.1	Ca_kabuli_chr06	8159781	AA	TT	1940351683
SNP_P1_108080_8159809	NC_021165.1	Ca_kabuli_chr06	8159809	GG	TT	1940351685
SNP_P1_108081_8159836	NC_021165.1	Ca_kabuli_chr06	8159836	AA	TT	1940351687
SNP_P1_108082_8159865	NC_021165.1	Ca_kabuli_chr06	8159865	CC	TT	1940351689
SNP_P1_108083_8159868	NC_021165.1	Ca_kabuli_chr06	8159868	CC	TT	1940351690
SNP_P1_108084_8159880	NC_021165.1	Ca_kabuli_chr06	8159880	AA	GG	1940351692
SNP_P1_108085_8159937	NC_021165.1	Ca_kabuli_chr06	8159937	TT	CC	1940351694
SNP_P1_108086_8162112	NC_021165.1	Ca_kabuli_chr06	8162112	TT	CC	1940351696
SNP_P1_108087_8164003	NC_021165.1	Ca_kabuli_chr06	8164003	CC	AA	1940351697
SNP_P1_108088_8164007	NC_021165.1	Ca_kabuli_chr06	8164007	AA	GG	1940351699
SNP_P1_108089_8164032	NC_021165.1	Ca_kabuli_chr06	8164032	TT	CC	1940351701
SNP_P1_108090_8164042	NC_021165.1	Ca_kabuli_chr06	8164042	CC	TT	1940351702
SNP_P1_108091_8165162	NC_021165.1	Ca_kabuli_chr06	8165162	TT	AA	1940351704
SNP_P1_108092_8167808	NC_021165.1	Ca_kabuli_chr06	8167808	GG	TT	1940351706
SNP_P1_108093_8169198	NC_021165.1	Ca_kabuli_chr06	8169198	GG	AA	1940351708
SNP_P1_108094_8170170	NC_021165.1	Ca_kabuli_chr06	8170170	CC	AA	1940351709
SNP_P1_108095_8170370	NC_021165.1	Ca_kabuli_chr06	8170370	GG	AA	1940351711
SNP_P1_108096_8170583	NC_021165.1	Ca_kabuli_chr06	8170583	CC	TT	1940351713
SNP_P1_108097_8171056	NC_021165.1	Ca_kabuli_chr06	8171056	GG	TT	1940351715
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SNP_P1_108100_8171384	NC_021165.1	Ca_kabuli_chr06	8171384	GG	AA	1940351720
SNP_P1_108101_8171500	NC_021165.1	Ca_kabuli_chr06	8171500	TT	CC	1940351722
SNP_P1_108102_8171980	NC_021165.1	Ca_kabuli_chr06	8171980	AA	TT	1940351723
SNP_P1_108103_8173306	NC_021165.1	Ca_kabuli_chr06	8173306	GG	AA	1940351725
SNP_P1_108104_8173310	NC_021165.1	Ca_kabuli_chr06	8173310	TT	CC	1940351727
SNP_P1_108105_8173384	NC_021165.1	Ca_kabuli_chr06	8173384	TT	GG	1940351728
SNP_P1_108106_8173849	NC_021165.1	Ca_kabuli_chr06	8173849	TT	CC	1940351730
SNP_P1_108107_8173891	NC_021165.1	Ca_kabuli_chr06	8173891	AA	GG	1940351732
SNP_P1_108108_8173894	NC_021165.1	Ca_kabuli_chr06	8173894	CC	TT	1940351734
SNP_P1_108109_8173923	NC_021165.1	Ca_kabuli_chr06	8173923	CC	AA	1940351735
SNP_P1_108110_8173997	NC_021165.1	Ca_kabuli_chr06	8173997	AA	GG	1940351737
SNP_P1_108111_8174103	NC_021165.1	Ca_kabuli_chr06	8174103	GG	AA	1940351739
SNP_P1_108112_8174130	NC_021165.1	Ca_kabuli_chr06	8174130	CC	AA	1940351741
SNP_P1_108113_8174139	NC_021165.1	Ca_kabuli_chr06	8174139	TT	CC	1940351742
SNP_P1_108115_8174417	NC_021165.1	Ca_kabuli_chr06	8174417	AA	TT	1940351744

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108117_8175518	NC_021165.1	Ca_kabuli_chr06	8175518	CC	AA	1940351748
SNP_P1_108118_8175564	NC_021165.1	Ca_kabuli_chr06	8175564	GG	AA	1940351749
SNP_P1_108119_8175813	NC_021165.1	Ca_kabuli_chr06	8175813	CC	TT	1940351751
SNP_P1_108120_8175857	NC_021165.1	Ca_kabuli_chr06	8175857	GG	AA	1940351753
SNP_P1_108122_8176148	NC_021165.1	Ca_kabuli_chr06	8176148	CC	TT	1940351754
SNP_P1_108123_8176168	NC_021165.1	Ca_kabuli_chr06	8176168	TT	CC	1940351756
SNP_P1_108124_8176187	NC_021165.1	Ca_kabuli_chr06	8176187	TT	CC	1940351758
SNP_P1_108125_8176780	NC_021165.1	Ca_kabuli_chr06	8176780	TT	CC	1940351760
SNP_P1_108126_8177125	NC_021165.1	Ca_kabuli_chr06	8177125	TT	CC	1940351761
SNP_P1_108127_8177924	NC_021165.1	Ca_kabuli_chr06	8177924	TT	CC	1940351763
SNP_P1_108128_8178097	NC_021165.1	Ca_kabuli_chr06	8178097	TT	CC	1940351765
SNP_P1_108129_8178099	NC_021165.1	Ca_kabuli_chr06	8178099	GG	AA	1940351767
SNP_P1_108130_8178123	NC_021165.1	Ca_kabuli_chr06	8178123	GG	AA	1940351768
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SNP_P1_108132_8178504	NC_021165.1	Ca_kabuli_chr06	8178504	TT	CC	1940351772
SNP_P1_108133_8179471	NC_021165.1	Ca_kabuli_chr06	8179471	TT	CC	1940351774
SNP_P1_108134_8180195	NC_021165.1	Ca_kabuli_chr06	8180195	AA	GG	1940351775
SNP_P1_108135_8181978	NC_021165.1	Ca_kabuli_chr06	8181978	CC	AA	1940351777
SNP_P1_108136_8182016	NC_021165.1	Ca_kabuli_chr06	8182016	TT	GG	1940351779
SNP_P1_108137_8182264	NC_021165.1	Ca_kabuli_chr06	8182264	GG	AA	1940351780
SNP_P1_108138_8182783	NC_021165.1	Ca_kabuli_chr06	8182783	GG	TT	1940351782
SNP_P1_108139_8182784	NC_021165.1	Ca_kabuli_chr06	8182784	AA	CC	1940351784
SNP_P1_108140_8182790	NC_021165.1	Ca_kabuli_chr06	8182790	AA	TT	1940351786
SNP_P1_108141_8182810	NC_021165.1	Ca_kabuli_chr06	8182810	AA	GG	1940351787
SNP_P1_108142_8182852	NC_021165.1	Ca_kabuli_chr06	8182852	CC	TT	1940351789
SNP_P1_108143_8182917	NC_021165.1	Ca_kabuli_chr06	8182917	AA	GG	1940351791
SNP_P1_108144_8182922	NC_021165.1	Ca_kabuli_chr06	8182922	AA	GG	1940351793
SNP_P1_108145_8182940	NC_021165.1	Ca_kabuli_chr06	8182940	CC	TT	1940351794
SNP_P1_108146_8193006	NC_021165.1	Ca_kabuli_chr06	8193006	TT	AA	1940351796
SNP_P1_108147_8193322	NC_021165.1	Ca_kabuli_chr06	8193322	TT	AA	1940351798
SNP_P1_108148_8193522	NC_021165.1	Ca_kabuli_chr06	8193522	TT	GG	1940351799
SNP_P1_108149_8194687	NC_021165.1	Ca_kabuli_chr06	8194687	TT	CC	1940351801
SNP_P1_108151_8197522	NC_021165.1	Ca_kabuli_chr06	8197522	GG	TT	1940351803
SNP_P1_108152_8199569	NC_021165.1	Ca_kabuli_chr06	8199569	AA	GG	1940351805
SNP_P1_108153_8200420	NC_021165.1	Ca_kabuli_chr06	8200420	CC	TT	1940351806
SNP_P1_108154_8200490	NC_021165.1	Ca_kabuli_chr06	8200490	TT	CC	1940351808
SNP_P1_108155_8200529	NC_021165.1	Ca_kabuli_chr06	8200529	AA	GG	1940351810
SNP_P1_108156_8200555	NC_021165.1	Ca_kabuli_chr06	8200555	TT	AA	1940351812
SNP_P1_108157_8201717	NC_021165.1	Ca_kabuli_chr06	8201717	AA	TT	1940351813
SNP_P1_108158_8212610	NC_021165.1	Ca_kabuli_chr06	8212610	CC	GG	1940351815
SNP_P1_108159_8218518	NC_021165.1	Ca_kabuli_chr06	8218518	AA	TT	1940351817

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_108161_8232293	NC_021165.1	Ca_kabuli_chr06	8232293	AA	CC	1940351819
SNP_P1_108162_8233204	NC_021165.1	Ca_kabuli_chr06	8233204	AA	GG	1940351820
SNP_P1_108164_8254293	NC_021165.1	Ca_kabuli_chr06	8254293	CC	TT	1940351822
SNP_P1_108165_8257735	NC_021165.1	Ca_kabuli_chr06	8257735	GG	TT	1940351824
SNP_P1_108168_8267794	NC_021165.1	Ca_kabuli_chr06	8267794	CC	AA	1940351825
SNP_P1_108169_8291260	NC_021165.1	Ca_kabuli_chr06	8291260	GG	AA	1940351827
SNP_P1_108170_8291791	NC_021165.1	Ca_kabuli_chr06	8291791	TT	AA	1940351829
SNP_P1_108172_8298145	NC_021165.1	Ca_kabuli_chr06	8298145	AA	TT	1940351831
SNP_P1_108173_8305832	NC_021165.1	Ca_kabuli_chr06	8305832	TT	AA	1940351832
SNP_P1_108174_8310221	NC_021165.1	Ca_kabuli_chr06	8310221	TT	CC	1940351834
SNP_P1_108175_8312619	NC_021165.1	Ca_kabuli_chr06	8312619	AA	TT	1940351836
SNP_P1_108177_8315347	NC_021165.1	Ca_kabuli_chr06	8315347	TT	CC	1940351838
SNP_P1_108178_8315526	NC_021165.1	Ca_kabuli_chr06	8315526	CC	TT	1940351839
SNP_P1_108179_8316741	NC_021165.1	Ca_kabuli_chr06	8316741	TT	CC	1940351841
SNP_P1_108180_8318357	NC_021165.1	Ca_kabuli_chr06	8318357	TT	CC	1940351843
SNP_P1_108181_8318726	NC_021165.1	Ca_kabuli_chr06	8318726	TT	CC	1940351845
SNP_P1_108182_8333689	NC_021165.1	Ca_kabuli_chr06	8333689	TT	CC	1940351846
SNP_P1_108183_8339762	NC_021165.1	Ca_kabuli_chr06	8339762	GG	CC	1940351848
SNP_P1_108184_8342597	NC_021165.1	Ca_kabuli_chr06	8342597	AA	GG	1940351850
SNP_P1_108185_8347070	NC_021165.1	Ca_kabuli_chr06	8347070	GG	TT	1940351851
SNP_P1_108186_8353842	NC_021165.1	Ca_kabuli_chr06	8353842	GG	TT	1940351853
SNP_P1_108187_8361266	NC_021165.1	Ca_kabuli_chr06	8361266	GG	AA	1940351855
SNP_P1_108188_8413438	NC_021165.1	Ca_kabuli_chr06	8413438	CC	AA	1940351857
SNP_P1_108189_8413443	NC_021165.1	Ca_kabuli_chr06	8413443	TT	CC	1940351858
SNP_P1_108190_8413464	NC_021165.1	Ca_kabuli_chr06	8413464	TT	GG	1940351860
SNP_P1_108191_8424237	NC_021165.1	Ca_kabuli_chr06	8424237	AA	TT	1940351862
SNP_P1_108192_8424248	NC_021165.1	Ca_kabuli_chr06	8424248	CC	TT	1940351864
SNP_P1_108193_8433740	NC_021165.1	Ca_kabuli_chr06	8433740	AA	GG	1940351865
SNP_P1_108194_8433743	NC_021165.1	Ca_kabuli_chr06	8433743	AA	GG	1940351867
SNP_P1_108195_8433745	NC_021165.1	Ca_kabuli_chr06	8433745	TT	AA	1940351869
SNP_P1_108196_8448823	NC_021165.1	Ca_kabuli_chr06	8448823	CC	TT	1940351871
SNP_P1_108197_8448825	NC_021165.1	Ca_kabuli_chr06	8448825	AA	GG	1940351872
SNP_P1_108198_8448835	NC_021165.1	Ca_kabuli_chr06	8448835	AA	GG	1940351874
SNP_P1_108199_8448848	NC_021165.1	Ca_kabuli_chr06	8448848	AA	CC	1940351876
SNP_P1_108200_8449386	NC_021165.1	Ca_kabuli_chr06	8449386	AA	GG	1940351878
SNP_P1_108201_8451551	NC_021165.1	Ca_kabuli_chr06	8451551	CC	TT	1940351879
SNP_P1_108202_8451562	NC_021165.1	Ca_kabuli_chr06	8451562	AA	GG	1940351881
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SNP_P1_108204_8452376	NC_021165.1	Ca_kabuli_chr06	8452376	AA	GG	1940351885
SNP_P1_108205_8477671	NC_021165.1	Ca_kabuli_chr06	8477671	CC	TT	1940351886
SNP_P1_108206_8487330	NC_021165.1	Ca_kabuli_chr06	8487330	TT	AA	1940351888
SNP_P1_108207_8522049	NC_021165.1	Ca_kabuli_chr06	8522049	CC	TT	1940351890

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108210_8522129	NC_021165.1	Ca_kabuli_chr06	8522129	GG	AA	1940351895
SNP_P1_108211_8522158	NC_021165.1	Ca_kabuli_chr06	8522158	TT	GG	1940351897
SNP_P1_108212_8522244	NC_021165.1	Ca_kabuli_chr06	8522244	GG	AA	1940351898
SNP_P1_108213_8522256	NC_021165.1	Ca_kabuli_chr06	8522256	TT	CC	1940351900
SNP_P1_108214_8522391	NC_021165.1	Ca_kabuli_chr06	8522391	CC	TT	1940351902
SNP_P1_108215_8522512	NC_021165.1	Ca_kabuli_chr06	8522512	GG	TT	1940351904
SNP_P1_108216_8522601	NC_021165.1	Ca_kabuli_chr06	8522601	AA	GG	1940351905
SNP_P1_108217_8522656	NC_021165.1	Ca_kabuli_chr06	8522656	TT	GG	1940351907
SNP_P1_108218_8522664	NC_021165.1	Ca_kabuli_chr06	8522664	GG	AA	1940351909
SNP_P1_108219_8522671	NC_021165.1	Ca_kabuli_chr06	8522671	GG	TT	1940351911
SNP_P1_108220_8522784	NC_021165.1	Ca_kabuli_chr06	8522784	TT	AA	1940351912
SNP_P1_108221_8522788	NC_021165.1	Ca_kabuli_chr06	8522788	CC	GG	1940351914
SNP_P1_108222_8523061	NC_021165.1	Ca_kabuli_chr06	8523061	CC	GG	1940351916
SNP_P1_108223_8524248	NC_021165.1	Ca_kabuli_chr06	8524248	AA	TT	1940351918
SNP_P1_108224_8524250	NC_021165.1	Ca_kabuli_chr06	8524250	TT	CC	1940351919
SNP_P1_108225_8527799	NC_021165.1	Ca_kabuli_chr06	8527799	AA	GG	1940351921
SNP_P1_108226_8529601	NC_021165.1	Ca_kabuli_chr06	8529601	GG	CC	1940351923
SNP_P1_108227_8533132	NC_021165.1	Ca_kabuli_chr06	8533132	GG	CC	1940351924
SNP_P1_108228_8533483	NC_021165.1	Ca_kabuli_chr06	8533483	AA	GG	1940351926
SNP_P1_108229_8533518	NC_021165.1	Ca_kabuli_chr06	8533518	GG	CC	1940351928
SNP_P1_108230_8536358	NC_021165.1	Ca_kabuli_chr06	8536358	TT	AA	1940351930
SNP_P1_108231_8536359	NC_021165.1	Ca_kabuli_chr06	8536359	CC	GG	1940351931
SNP_P1_108232_8551550	NC_021165.1	Ca_kabuli_chr06	8551550	TT	CC	1940351933
SNP_P1_108233_8557809	NC_021165.1	Ca_kabuli_chr06	8557809	CC	TT	1940351935
SNP_P1_108234_8557812	NC_021165.1	Ca_kabuli_chr06	8557812	AA	GG	1940351937
SNP_P1_108236_8558114	NC_021165.1	Ca_kabuli_chr06	8558114	TT	GG	1940351938
SNP_P1_108237_8558126	NC_021165.1	Ca_kabuli_chr06	8558126	TT	CC	1940351940
SNP_P1_108238_8566989	NC_021165.1	Ca_kabuli_chr06	8566989	GG	AA	1940351942
SNP_P1_108239_8585369	NC_021165.1	Ca_kabuli_chr06	8585369	CC	TT	1940351944
SNP_P1_108240_8588631	NC_021165.1	Ca_kabuli_chr06	8588631	CC	TT	1940351945
SNP_P1_108241_8623997	NC_021165.1	Ca_kabuli_chr06	8623997	AA	GG	1940351947
SNP_P1_108243_8628526	NC_021165.1	Ca_kabuli_chr06	8628526	AA	GG	1940351949
SNP_P1_108245_8653415	NC_021165.1	Ca_kabuli_chr06	8653415	GG	AA	1940351951
SNP_P1_108246_8663797	NC_021165.1	Ca_kabuli_chr06	8663797	AA	GG	1940351952
SNP_P1_108248_8679295	NC_021165.1	Ca_kabuli_chr06	8679295	CC	TT	1940351954
SNP_P1_108249_8691939	NC_021165.1	Ca_kabuli_chr06	8691939	CC	AA	1940351956
SNP_P1_108250_8700197	NC_021165.1	Ca_kabuli_chr06	8700197	GG	AA	1940351957
SNP_P1_108251_8723630	NC_021165.1	Ca_kabuli_chr06	8723630	CC	TT	1940351959
SNP_P1_108252_8741405	NC_021165.1	Ca_kabuli_chr06	8741405	GG	CC	1940351961
SNP_P1_108253_8741439	NC_021165.1	Ca_kabuli_chr06	8741439	GG	AA	1940351963

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108257_8796585	NC_021165.1	Ca_kabuli_chr06	8796585	TT	AA	1940351968
SNP_P1_108258_8796693	NC_021165.1	Ca_kabuli_chr06	8796693	CC	TT	1940351970
SNP_P1_108259_8796701	NC_021165.1	Ca_kabuli_chr06	8796701	CC	TT	1940351971
SNP_P1_108260_8796873	NC_021165.1	Ca_kabuli_chr06	8796873	AA	CC	1940351973
SNP_P1_108261_8796939	NC_021165.1	Ca_kabuli_chr06	8796939	CC	AA	1940351975
SNP_P1_108263_8798031	NC_021165.1	Ca_kabuli_chr06	8798031	TT	GG	1940351977
SNP_P1_108264_8820824	NC_021165.1	Ca_kabuli_chr06	8820824	GG	TT	1940351978
SNP_P1_108265_8820993	NC_021165.1	Ca_kabuli_chr06	8820993	TT	GG	1940351980
SNP_P1_108267_8829036	NC_021165.1	Ca_kabuli_chr06	8829036	GG	AA	1940351982
SNP_P1_108268_8829311	NC_021165.1	Ca_kabuli_chr06	8829311	GG	AA	1940351983
SNP_P1_108269_8829711	NC_021165.1	Ca_kabuli_chr06	8829711	GG	AA	1940351985
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SNP_P1_108272_8847575	NC_021165.1	Ca_kabuli_chr06	8847575	TT	CC	1940351990
SNP_P1_108273_8847577	NC_021165.1	Ca_kabuli_chr06	8847577	TT	GG	1940351992
SNP_P1_108274_8847585	NC_021165.1	Ca_kabuli_chr06	8847585	CC	TT	1940351994
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SNP_P1_108278_8879582	NC_021165.1	Ca_kabuli_chr06	8879582	CC	TT	1940352001
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SNP_P1_108281_8929909	NC_021165.1	Ca_kabuli_chr06	8929909	GG	AA	1940352004
SNP_P1_108282_8944899	NC_021165.1	Ca_kabuli_chr06	8944899	AA	TT	1940352006
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SNP_P1_108286_9010732	NC_021165.1	Ca_kabuli_chr06	9010732	AA	GG	1940352011
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SNP_P1_108289_9019073	NC_021165.1	Ca_kabuli_chr06	9019073	CC	TT	1940352015
SNP_P1_108290_9019084	NC_021165.1	Ca_kabuli_chr06	9019084	AA	GG	1940352017
SNP_P1_108291_9019425	NC_021165.1	Ca_kabuli_chr06	9019425	CC	TT	1940352018
SNP_P1_108292_9024840	NC_021165.1	Ca_kabuli_chr06	9024840	GG	AA	1940352020
SNP_P1_108293_9025446	NC_021165.1	Ca_kabuli_chr06	9025446	GG	TT	1940352022
SNP_P1_108294_9030714	NC_021165.1	Ca_kabuli_chr06	9030714	CC	GG	1940352024
SNP_P1_108295_9060357	NC_021165.1	Ca_kabuli_chr06	9060357	CC	GG	1940352025
SNP_P1_108296_9060366	NC_021165.1	Ca_kabuli_chr06	9060366	CC	TT	1940352027
SNP_P1_108298_9060465	NC_021165.1	Ca_kabuli_chr06	9060465	AA	CC	1940352029
SNP_P1_108299_9060481	NC_021165.1	Ca_kabuli_chr06	9060481	GG	TT	1940352031
SNP_P1_108300_9060495	NC_021165.1	Ca_kabuli_chr06	9060495	AA	CC	1940352032
SNP_P1_108301_9060621	NC_021165.1	Ca_kabuli_chr06	9060621	AA	GG	1940352034
SNP_P1_108302_9060821	NC_021165.1	Ca_kabuli_chr06	9060821	CC	TT	1940352036

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108305_9088791	NC_021165.1	Ca_kabuli_chr06	9088791	AA	CC	1940352041
SNP_P1_108306_9101468	NC_021165.1	Ca_kabuli_chr06	9101468	GG	TT	1940352043
SNP_P1_108308_9103094	NC_021165.1	Ca_kabuli_chr06	9103094	TT	AA	1940352045
SNP_P1_108310_9103639	NC_021165.1	Ca_kabuli_chr06	9103639	TT	CC	1940352046
SNP_P1_108315_9140082	NC_021165.1	Ca_kabuli_chr06	9140082	AA	CC	1940352048
SNP_P1_108316_9140421	NC_021165.1	Ca_kabuli_chr06	9140421	GG	TT	1940352050
SNP_P1_108317_9144496	NC_021165.1	Ca_kabuli_chr06	9144496	TT	AA	1940352051
SNP_P1_108318_9145527	NC_021165.1	Ca_kabuli_chr06	9145527	AA	GG	1940352053
SNP_P1_108319_9156662	NC_021165.1	Ca_kabuli_chr06	9156662	GG	CC	1940352055
SNP_P1_108321_9177294	NC_021165.1	Ca_kabuli_chr06	9177294	CC	TT	1940352057
SNP_P1_108323_9204000	NC_021165.1	Ca_kabuli_chr06	9204000	TT	CC	1940352058
SNP_P1_108324_9225074	NC_021165.1	Ca_kabuli_chr06	9225074	AA	GG	1940352060
SNP_P1_108325_9244570	NC_021165.1	Ca_kabuli_chr06	9244570	AA	GG	1940352062
SNP_P1_108326_9255646	NC_021165.1	Ca_kabuli_chr06	9255646	CC	TT	1940352064
SNP_P1_108327_9256420	NC_021165.1	Ca_kabuli_chr06	9256420	TT	CC	1940352065
SNP_P1_108329_9258779	NC_021165.1	Ca_kabuli_chr06	9258779	AA	TT	1940352067
SNP_P1_108331_9285476	NC_021165.1	Ca_kabuli_chr06	9285476	TT	CC	1940352069
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SNP_P1_108333_9288111	NC_021165.1	Ca_kabuli_chr06	9288111	AA	TT	1940352072
SNP_P1_108334_9288822	NC_021165.1	Ca_kabuli_chr06	9288822	AA	CC	1940352074
SNP_P1_108335_9288825	NC_021165.1	Ca_kabuli_chr06	9288825	AA	TT	1940352076
SNP_P1_108336_9295003	NC_021165.1	Ca_kabuli_chr06	9295003	CC	TT	1940352078
SNP_P1_108337_9296260	NC_021165.1	Ca_kabuli_chr06	9296260	CC	AA	1940352079
SNP_P1_108338_9302361	NC_021165.1	Ca_kabuli_chr06	9302361	AA	GG	1940352081
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SNP_P1_108341_9313562	NC_021165.1	Ca_kabuli_chr06	9313562	AA	GG	1940352085
SNP_P1_108344_9393726	NC_021165.1	Ca_kabuli_chr06	9393726	TT	CC	1940352086
SNP_P1_108346_9440842	NC_021165.1	Ca_kabuli_chr06	9440842	TT	AA	1940352088
SNP_P1_108347_9455000	NC_021165.1	Ca_kabuli_chr06	9455000	TT	AA	1940352090
SNP_P1_108350_9483784	NC_021165.1	Ca_kabuli_chr06	9483784	TT	CC	1940352091
SNP_P1_108351_9485275	NC_021165.1	Ca_kabuli_chr06	9485275	AA	GG	1940352093
SNP_P1_108353_9501200	NC_021165.1	Ca_kabuli_chr06	9501200	TT	CC	1940352095
SNP_P1_108354_9505827	NC_021165.1	Ca_kabuli_chr06	9505827	CC	AA	1940352097
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SNP_P1_108360_9552847	NC_021165.1	Ca_kabuli_chr06	9552847	GG	AA	1940352104
SNP_P1_108361_9579978	NC_021165.1	Ca_kabuli_chr06	9579978	TT	CC	1940352105
SNP_P1_108362_9597576	NC_021165.1	Ca_kabuli_chr06	9597576	GG	AA	1940352107
SNP_P1_108363_9597809	NC_021165.1	Ca_kabuli_chr06	9597809	AA	CC	1940352109

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108367_9607192	NC_021165.1	Ca_kabuli_chr06	9607192	GG	TT	1940352112
SNP_P1_108370_9661680	NC_021165.1	Ca_kabuli_chr06	9661680	GG	AA	1940352114
SNP_P1_108372_9675020	NC_021165.1	Ca_kabuli_chr06	9675020	GG	TT	1940352116
SNP_P1_108373_9694247	NC_021165.1	Ca_kabuli_chr06	9694247	AA	CC	1940352118
SNP_P1_108374_9698769	NC_021165.1	Ca_kabuli_chr06	9698769	CC	GG	1940352119
SNP_P1_108375_9704097	NC_021165.1	Ca_kabuli_chr06	9704097	AA	GG	1940352121
SNP_P1_108376_9728995	NC_021165.1	Ca_kabuli_chr06	9728995	TT	CC	1940352123
SNP_P1_108377_9730364	NC_021165.1	Ca_kabuli_chr06	9730364	GG	TT	1940352124
SNP_P1_108378_9730365	NC_021165.1	Ca_kabuli_chr06	9730365	AA	CC	1940352126
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SNP_P1_108398_9876678	NC_021165.1	Ca_kabuli_chr06	9876678	TT	AA	1940352157
SNP_P1_108399_9876976	NC_021165.1	Ca_kabuli_chr06	9876976	AA	CC	1940352159
SNP_P1_108400_9877544	NC_021165.1	Ca_kabuli_chr06	9877544	TT	CC	1940352161
SNP_P1_108401_9877588	NC_021165.1	Ca_kabuli_chr06	9877588	TT	GG	1940352163
SNP_P1_108402_9877592	NC_021165.1	Ca_kabuli_chr06	9877592	GG	AA	1940352164
SNP_P1_108403_9878200	NC_021165.1	Ca_kabuli_chr06	9878200	AA	GG	1940352166
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SNP_P1_108406_9878423	NC_021165.1	Ca_kabuli_chr06	9878423	CC	TT	1940352171
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SNP_P1_108409_9878491	NC_021165.1	Ca_kabuli_chr06	9878491	TT	CC	1940352177
SNP_P1_108411_9878557	NC_021165.1	Ca_kabuli_chr06	9878557	TT	CC	1940352178
SNP_P1_108412_9878847	NC_021165.1	Ca_kabuli_chr06	9878847	TT	GG	1940352180
SNP_P1_108413_9878854	NC_021165.1	Ca_kabuli_chr06	9878854	CC	TT	1940352182

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108416_9880507	NC_021165.1	Ca_kabuli_chr06	9880507	AA	TT	1940352187
SNP_P1_108417_9880535	NC_021165.1	Ca_kabuli_chr06	9880535	CC	AA	1940352189
SNP_P1_108418_9880738	NC_021165.1	Ca_kabuli_chr06	9880738	CC	TT	1940352191
SNP_P1_108421_9881016	NC_021165.1	Ca_kabuli_chr06	9881016	CC	TT	1940352192
SNP_P1_108423_9881346	NC_021165.1	Ca_kabuli_chr06	9881346	TT	GG	1940352194
SNP_P1_108424_9881632	NC_021165.1	Ca_kabuli_chr06	9881632	CC	AA	1940352196
SNP_P1_108425_9881751	NC_021165.1	Ca_kabuli_chr06	9881751	CC	TT	1940352198
SNP_P1_108426_9881807	NC_021165.1	Ca_kabuli_chr06	9881807	CC	TT	1940352199
SNP_P1_108427_9881809	NC_021165.1	Ca_kabuli_chr06	9881809	GG	AA	1940352201
SNP_P1_108429_9881879	NC_021165.1	Ca_kabuli_chr06	9881879	AA	GG	1940352203
SNP_P1_108430_9881924	NC_021165.1	Ca_kabuli_chr06	9881924	TT	AA	1940352204
SNP_P1_108431_9881983	NC_021165.1	Ca_kabuli_chr06	9881983	GG	CC	1940352206
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SNP_P1_108433_9882103	NC_021165.1	Ca_kabuli_chr06	9882103	AA	TT	1940352210
SNP_P1_108434_9882145	NC_021165.1	Ca_kabuli_chr06	9882145	AA	GG	1940352211
SNP_P1_108435_9882154	NC_021165.1	Ca_kabuli_chr06	9882154	TT	AA	1940352213
SNP_P1_108436_9882429	NC_021165.1	Ca_kabuli_chr06	9882429	CC	GG	1940352215
SNP_P1_108437_9882795	NC_021165.1	Ca_kabuli_chr06	9882795	TT	CC	1940352217
SNP_P1_108439_9883051	NC_021165.1	Ca_kabuli_chr06	9883051	TT	AA	1940352218
SNP_P1_108440_9883506	NC_021165.1	Ca_kabuli_chr06	9883506	AA	CC	1940352220
SNP_P1_108441_9883528	NC_021165.1	Ca_kabuli_chr06	9883528	GG	AA	1940352222
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SNP_P1_108443_9883597	NC_021165.1	Ca_kabuli_chr06	9883597	CC	TT	1940352225
SNP_P1_108444_9883691	NC_021165.1	Ca_kabuli_chr06	9883691	AA	TT	1940352227
SNP_P1_108445_9883695	NC_021165.1	Ca_kabuli_chr06	9883695	TT	GG	1940352229
SNP_P1_108447_9883739	NC_021165.1	Ca_kabuli_chr06	9883739	CC	TT	1940352231
SNP_P1_108448_9883836	NC_021165.1	Ca_kabuli_chr06	9883836	GG	AA	1940352232
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SNP_P1_108450_9883858	NC_021165.1	Ca_kabuli_chr06	9883858	CC	GG	1940352236
SNP_P1_108451_9883860	NC_021165.1	Ca_kabuli_chr06	9883860	GG	AA	1940352237
SNP_P1_108452_9883872	NC_021165.1	Ca_kabuli_chr06	9883872	TT	CC	1940352239
SNP_P1_108453_9883904	NC_021165.1	Ca_kabuli_chr06	9883904	AA	GG	1940352241
SNP_P1_108455_9884080	NC_021165.1	Ca_kabuli_chr06	9884080	AA	GG	1940352243
SNP_P1_108456_9884166	NC_021165.1	Ca_kabuli_chr06	9884166	TT	CC	1940352244
SNP_P1_108457_9884399	NC_021165.1	Ca_kabuli_chr06	9884399	AA	GG	1940352246
SNP_P1_108458_9884430	NC_021165.1	Ca_kabuli_chr06	9884430	GG	AA	1940352248
SNP_P1_108459_9884572	NC_021165.1	Ca_kabuli_chr06	9884572	AA	GG	1940352249
SNP_P1_108461_9884688	NC_021165.1	Ca_kabuli_chr06	9884688	TT	CC	1940352251
SNP_P1_108462_9884692	NC_021165.1	Ca_kabuli_chr06	9884692	AA	TT	1940352253
SNP_P1_108463_9884694	NC_021165.1	Ca_kabuli_chr06	9884694	CC	TT	1940352255

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_108464_9884706	NC_021165.1	Ca_kabuli_chr06	9884706	GG	AA	1940352256
SNP_P1_108465_9884708	NC_021165.1	Ca_kabuli_chr06	9884708	AA	CC	1940352258
SNP_P1_108466_9884729	NC_021165.1	Ca_kabuli_chr06	9884729	CC	AA	1940352260
SNP_P1_108467_9884788	NC_021165.1	Ca_kabuli_chr06	9884788	GG	AA	1940352262
SNP_P1_108468_9884932	NC_021165.1	Ca_kabuli_chr06	9884932	AA	GG	1940352263
SNP_P1_108469_9884982	NC_021165.1	Ca_kabuli_chr06	9884982	TT	CC	1940352265
SNP_P1_108470_9887419	NC_021165.1	Ca_kabuli_chr06	9887419	CC	TT	1940352267
SNP_P1_108471_9888612	NC_021165.1	Ca_kabuli_chr06	9888612	GG	AA	1940352269
SNP_P1_108472_9888614	NC_021165.1	Ca_kabuli_chr06	9888614	TT	GG	1940352270
SNP_P1_108473_9889091	NC_021165.1	Ca_kabuli_chr06	9889091	GG	AA	1940352272
SNP_P1_108474_9889344	NC_021165.1	Ca_kabuli_chr06	9889344	GG	TT	1940352274
SNP_P1_108475_9889795	NC_021165.1	Ca_kabuli_chr06	9889795	GG	TT	1940352276
SNP_P1_108477_9890334	NC_021165.1	Ca_kabuli_chr06	9890334	AA	CC	1940352277
SNP_P1_108478_9890335	NC_021165.1	Ca_kabuli_chr06	9890335	GG	AA	1940352279
SNP_P1_108479_9890338	NC_021165.1	Ca_kabuli_chr06	9890338	AA	GG	1940352281
SNP_P1_108480_9890584	NC_021165.1	Ca_kabuli_chr06	9890584	GG	TT	1940352282
SNP_P1_108481_9890611	NC_021165.1	Ca_kabuli_chr06	9890611	AA	CC	1940352284
SNP_P1_108482_9890614	NC_021165.1	Ca_kabuli_chr06	9890614	AA	GG	1940352286
SNP_P1_108483_9890632	NC_021165.1	Ca_kabuli_chr06	9890632	GG	TT	1940352288
SNP_P1_108485_9890870	NC_021165.1	Ca_kabuli_chr06	9890870	TT	CC	1940352289
SNP_P1_108486_9890912	NC_021165.1	Ca_kabuli_chr06	9890912	GG	AA	1940352291
SNP_P1_108487_9890913	NC_021165.1	Ca_kabuli_chr06	9890913	GG	AA	1940352293
SNP_P1_108488_9890914	NC_021165.1	Ca_kabuli_chr06	9890914	AA	CC	1940352295
SNP_P1_108489_9890930	NC_021165.1	Ca_kabuli_chr06	9890930	CC	TT	1940352296
SNP_P1_108490_9890947	NC_021165.1	Ca_kabuli_chr06	9890947	TT	GG	1940352298
SNP_P1_108491_9893042	NC_021165.1	Ca_kabuli_chr06	9893042	TT	GG	1940352300
SNP_P1_108492_9893050	NC_021165.1	Ca_kabuli_chr06	9893050	CC	AA	1940352302
SNP_P1_108493_9893055	NC_021165.1	Ca_kabuli_chr06	9893055	GG	TT	1940352303
SNP_P1_108494_9893239	NC_021165.1	Ca_kabuli_chr06	9893239	TT	CC	1940352305
SNP_P1_108496_9893741	NC_021165.1	Ca_kabuli_chr06	9893741	GG	CC	1940352307
SNP_P1_108497_9893751	NC_021165.1	Ca_kabuli_chr06	9893751	AA	TT	1940352309
SNP_P1_108498_9893796	NC_021165.1	Ca_kabuli_chr06	9893796	AA	TT	1940352310
SNP_P1_108499_9893817	NC_021165.1	Ca_kabuli_chr06	9893817	AA	GG	1940352312
SNP_P1_108500_9893930	NC_021165.1	Ca_kabuli_chr06	9893930	GG	AA	1940352314
SNP_P1_108501_9894148	NC_021165.1	Ca_kabuli_chr06	9894148	AA	CC	1940352316
SNP_P1_108502_9894290	NC_021165.1	Ca_kabuli_chr06	9894290	TT	AA	1940352317
SNP_P1_108503_9894552	NC_021165.1	Ca_kabuli_chr06	9894552	GG	AA	1940352319
SNP_P1_108504_9894703	NC_021165.1	Ca_kabuli_chr06	9894703	GG	TT	1940352321
SNP_P1_108505_9894802	NC_021165.1	Ca_kabuli_chr06	9894802	AA	TT	1940352322
SNP_P1_108507_9894827	NC_021165.1	Ca_kabuli_chr06	9894827	AA	GG	1940352324
SNP_P1_108508_9894830	NC_021165.1	Ca_kabuli_chr06	9894830	AA	TT	1940352326
SNP_P1_108509_9894836	NC_021165.1	Ca_kabuli_chr06	9894836	AA	GG	1940352328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108511_9895068	NC_021165.1	Ca_kabuli_chr06	9895068	CC	TT	1940352331
SNP_P1_108512_9895112	NC_021165.1	Ca_kabuli_chr06	9895112	CC	GG	1940352333
SNP_P1_108513_9896270	NC_021165.1	Ca_kabuli_chr06	9896270	AA	TT	1940352335
SNP_P1_108514_9897045	NC_021165.1	Ca_kabuli_chr06	9897045	AA	CC	1940352336
SNP_P1_108515_9897805	NC_021165.1	Ca_kabuli_chr06	9897805	TT	GG	1940352338
SNP_P1_108516_9897826	NC_021165.1	Ca_kabuli_chr06	9897826	TT	CC	1940352340
SNP_P1_108517_9897856	NC_021165.1	Ca_kabuli_chr06	9897856	AA	GG	1940352342
SNP_P1_108519_9898084	NC_021165.1	Ca_kabuli_chr06	9898084	CC	GG	1940352343
SNP_P1_108520_9898520	NC_021165.1	Ca_kabuli_chr06	9898520	GG	AA	1940352345
SNP_P1_108521_9898528	NC_021165.1	Ca_kabuli_chr06	9898528	CC	TT	1940352347
SNP_P1_108522_9898588	NC_021165.1	Ca_kabuli_chr06	9898588	TT	CC	1940352349
SNP_P1_108523_9898651	NC_021165.1	Ca_kabuli_chr06	9898651	TT	AA	1940352350
SNP_P1_108524_9898684	NC_021165.1	Ca_kabuli_chr06	9898684	AA	GG	1940352352
SNP_P1_108525_9898813	NC_021165.1	Ca_kabuli_chr06	9898813	GG	AA	1940352354
SNP_P1_108526_9898819	NC_021165.1	Ca_kabuli_chr06	9898819	AA	GG	1940352356
SNP_P1_108527_9898837	NC_021165.1	Ca_kabuli_chr06	9898837	TT	AA	1940352357
SNP_P1_108528_9898838	NC_021165.1	Ca_kabuli_chr06	9898838	TT	AA	1940352359
SNP_P1_108529_9898840	NC_021165.1	Ca_kabuli_chr06	9898840	TT	GG	1940352361
SNP_P1_108530_9898846	NC_021165.1	Ca_kabuli_chr06	9898846	AA	TT	1940352363
SNP_P1_108531_9898854	NC_021165.1	Ca_kabuli_chr06	9898854	CC	TT	1940352364
SNP_P1_108532_9900933	NC_021165.1	Ca_kabuli_chr06	9900933	AA	CC	1940352366
SNP_P1_108534_9901009	NC_021165.1	Ca_kabuli_chr06	9901009	TT	CC	1940352368
SNP_P1_108535_9901073	NC_021165.1	Ca_kabuli_chr06	9901073	AA	GG	1940352369
SNP_P1_108536_9902854	NC_021165.1	Ca_kabuli_chr06	9902854	AA	GG	1940352371
SNP_P1_108537_9902872	NC_021165.1	Ca_kabuli_chr06	9902872	TT	GG	1940352373
SNP_P1_108538_9902908	NC_021165.1	Ca_kabuli_chr06	9902908	TT	CC	1940352375
SNP_P1_108539_9902911	NC_021165.1	Ca_kabuli_chr06	9902911	TT	CC	1940352376
SNP_P1_108540_9902988	NC_021165.1	Ca_kabuli_chr06	9902988	CC	TT	1940352378
SNP_P1_108541_9903062	NC_021165.1	Ca_kabuli_chr06	9903062	AA	GG	1940352380
SNP_P1_108542_9903135	NC_021165.1	Ca_kabuli_chr06	9903135	GG	AA	1940352382
SNP_P1_108543_9903148	NC_021165.1	Ca_kabuli_chr06	9903148	GG	CC	1940352383
SNP_P1_108544_9903221	NC_021165.1	Ca_kabuli_chr06	9903221	CC	TT	1940352385
SNP_P1_108545_9903229	NC_021165.1	Ca_kabuli_chr06	9903229	GG	AA	1940352387
SNP_P1_108546_9903240	NC_021165.1	Ca_kabuli_chr06	9903240	CC	TT	1940352389
SNP_P1_108547_9903345	NC_021165.1	Ca_kabuli_chr06	9903345	CC	GG	1940352390
SNP_P1_108548_9903365	NC_021165.1	Ca_kabuli_chr06	9903365	GG	AA	1940352392
SNP_P1_108550_9903395	NC_021165.1	Ca_kabuli_chr06	9903395	TT	CC	1940352394
SNP_P1_108551_9903416	NC_021165.1	Ca_kabuli_chr06	9903416	GG	AA	1940352396
SNP_P1_108552_9903455	NC_021165.1	Ca_kabuli_chr06	9903455	CC	TT	1940352397
SNP_P1_108553_9903478	NC_021165.1	Ca_kabuli_chr06	9903478	GG	AA	1940352399
SNP_P1_108554_9903500	NC_021165.1	Ca_kabuli_chr06	9903500	CC	AA	1940352401

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108556_9903516	NC_021165.1	Ca_kabuli_chr06	9903516	TT	AA	1940352404
SNP_P1_108557_9903517	NC_021165.1	Ca_kabuli_chr06	9903517	AA	TT	1940352406
SNP_P1_108558_9903564	NC_021165.1	Ca_kabuli_chr06	9903564	CC	TT	1940352408
SNP_P1_108559_9903717	NC_021165.1	Ca_kabuli_chr06	9903717	TT	CC	1940352410
SNP_P1_108560_9903736	NC_021165.1	Ca_kabuli_chr06	9903736	AA	GG	1940352411
SNP_P1_108561_9903770	NC_021165.1	Ca_kabuli_chr06	9903770	GG	AA	1940352413
SNP_P1_108562_9903792	NC_021165.1	Ca_kabuli_chr06	9903792	TT	CC	1940352415
SNP_P1_108563_9903878	NC_021165.1	Ca_kabuli_chr06	9903878	AA	GG	1940352417
SNP_P1_108564_9904431	NC_021165.1	Ca_kabuli_chr06	9904431	AA	GG	1940352418
SNP_P1_108565_9904446	NC_021165.1	Ca_kabuli_chr06	9904446	AA	TT	1940352420
SNP_P1_108566_9904790	NC_021165.1	Ca_kabuli_chr06	9904790	TT	CC	1940352422
SNP_P1_108567_9904825	NC_021165.1	Ca_kabuli_chr06	9904825	TT	CC	1940352424
SNP_P1_108568_9904919	NC_021165.1	Ca_kabuli_chr06	9904919	TT	CC	1940352425
SNP_P1_108569_9905028	NC_021165.1	Ca_kabuli_chr06	9905028	GG	TT	1940352427
SNP_P1_108570_9905029	NC_021165.1	Ca_kabuli_chr06	9905029	TT	CC	1940352429
SNP_P1_108571_9905136	NC_021165.1	Ca_kabuli_chr06	9905136	AA	GG	1940352430
SNP_P1_108573_9905353	NC_021165.1	Ca_kabuli_chr06	9905353	TT	AA	1940352432
SNP_P1_108574_9905368	NC_021165.1	Ca_kabuli_chr06	9905368	CC	TT	1940352434
SNP_P1_108575_9905863	NC_021165.1	Ca_kabuli_chr06	9905863	GG	AA	1940352436
SNP_P1_108576_9905904	NC_021165.1	Ca_kabuli_chr06	9905904	GG	AA	1940352437
SNP_P1_108577_9905906	NC_021165.1	Ca_kabuli_chr06	9905906	CC	GG	1940352439
SNP_P1_108578_9905952	NC_021165.1	Ca_kabuli_chr06	9905952	AA	CC	1940352441
SNP_P1_108579_9906096	NC_021165.1	Ca_kabuli_chr06	9906096	AA	GG	1940352443
SNP_P1_108580_9906128	NC_021165.1	Ca_kabuli_chr06	9906128	AA	TT	1940352444
SNP_P1_108581_9906171	NC_021165.1	Ca_kabuli_chr06	9906171	AA	TT	1940352446
SNP_P1_108582_9906186	NC_021165.1	Ca_kabuli_chr06	9906186	TT	CC	1940352448
SNP_P1_108583_9906191	NC_021165.1	Ca_kabuli_chr06	9906191	AA	GG	1940352450
SNP_P1_108584_9906491	NC_021165.1	Ca_kabuli_chr06	9906491	GG	AA	1940352451
SNP_P1_108585_9906492	NC_021165.1	Ca_kabuli_chr06	9906492	CC	TT	1940352453
SNP_P1_108586_9906506	NC_021165.1	Ca_kabuli_chr06	9906506	GG	AA	1940352455
SNP_P1_108587_9906680	NC_021165.1	Ca_kabuli_chr06	9906680	GG	AA	1940352457
SNP_P1_108588_9907181	NC_021165.1	Ca_kabuli_chr06	9907181	GG	AA	1940352458
SNP_P1_108589_9907186	NC_021165.1	Ca_kabuli_chr06	9907186	CC	TT	1940352460
SNP_P1_108590_9910865	NC_021165.1	Ca_kabuli_chr06	9910865	AA	TT	1940352462
SNP_P1_108591_9910890	NC_021165.1	Ca_kabuli_chr06	9910890	AA	TT	1940352464
SNP_P1_108592_9910943	NC_021165.1	Ca_kabuli_chr06	9910943	TT	CC	1940352465
SNP_P1_108593_9910968	NC_021165.1	Ca_kabuli_chr06	9910968	TT	CC	1940352467
SNP_P1_108594_9910970	NC_021165.1	Ca_kabuli_chr06	9910970	AA	GG	1940352469
SNP_P1_108595_9910979	NC_021165.1	Ca_kabuli_chr06	9910979	AA	CC	1940352471
SNP_P1_108596_9910985	NC_021165.1	Ca_kabuli_chr06	9910985	TT	CC	1940352472
SNP_P1_108598_9911202	NC_021165.1	Ca_kabuli_chr06	9911202	AA	GG	1940352474

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_108599_9911257	NC_021165.1	Ca_kabuli_chr06	9911257	TT	CC	1940352476
SNP_P1_108600_9911698	NC_021165.1	Ca_kabuli_chr06	9911698	TT	GG	1940352478
SNP_P1_108601_9911800	NC_021165.1	Ca_kabuli_chr06	9911800	GG	TT	1940352479
SNP_P1_108602_9913308	NC_021165.1	Ca_kabuli_chr06	9913308	GG	AA	1940352481
SNP_P1_108603_9913401	NC_021165.1	Ca_kabuli_chr06	9913401	GG	AA	1940352483
SNP_P1_108605_9913572	NC_021165.1	Ca_kabuli_chr06	9913572	TT	AA	1940352485
SNP_P1_108606_9913593	NC_021165.1	Ca_kabuli_chr06	9913593	GG	TT	1940352486
SNP_P1_108607_9913728	NC_021165.1	Ca_kabuli_chr06	9913728	AA	TT	1940352488
SNP_P1_108608_9913965	NC_021165.1	Ca_kabuli_chr06	9913965	CC	TT	1940352490
SNP_P1_108609_9914041	NC_021165.1	Ca_kabuli_chr06	9914041	CC	AA	1940352492
SNP_P1_108610_9914055	NC_021165.1	Ca_kabuli_chr06	9914055	AA	GG	1940352493
SNP_P1_108611_9914063	NC_021165.1	Ca_kabuli_chr06	9914063	CC	TT	1940352495
SNP_P1_108612_9914072	NC_021165.1	Ca_kabuli_chr06	9914072	TT	CC	1940352497
SNP_P1_108613_9914100	NC_021165.1	Ca_kabuli_chr06	9914100	CC	TT	1940352499
SNP_P1_108614_9914353	NC_021165.1	Ca_kabuli_chr06	9914353	TT	CC	1940352500
SNP_P1_108615_9914414	NC_021165.1	Ca_kabuli_chr06	9914414	AA	GG	1940352502
SNP_P1_108616_9914415	NC_021165.1	Ca_kabuli_chr06	9914415	CC	TT	1940352504
SNP_P1_108617_9914806	NC_021165.1	Ca_kabuli_chr06	9914806	TT	CC	1940352505
SNP_P1_108618_9916272	NC_021165.1	Ca_kabuli_chr06	9916272	TT	CC	1940352507
SNP_P1_108619_9916295	NC_021165.1	Ca_kabuli_chr06	9916295	GG	AA	1940352509
SNP_P1_108621_9916542	NC_021165.1	Ca_kabuli_chr06	9916542	CC	TT	1940352511
SNP_P1_108622_9918456	NC_021165.1	Ca_kabuli_chr06	9918456	GG	AA	1940352512
SNP_P1_108623_9918487	NC_021165.1	Ca_kabuli_chr06	9918487	AA	TT	1940352514
SNP_P1_108625_9918713	NC_021165.1	Ca_kabuli_chr06	9918713	CC	TT	1940352516
SNP_P1_108626_9918719	NC_021165.1	Ca_kabuli_chr06	9918719	CC	TT	1940352518
SNP_P1_108627_9918760	NC_021165.1	Ca_kabuli_chr06	9918760	TT	CC	1940352519
SNP_P1_108628_9918789	NC_021165.1	Ca_kabuli_chr06	9918789	GG	AA	1940352521
SNP_P1_108629_9918795	NC_021165.1	Ca_kabuli_chr06	9918795	TT	CC	1940352523
SNP_P1_108630_9918833	NC_021165.1	Ca_kabuli_chr06	9918833	TT	CC	1940352525
SNP_P1_108631_9918834	NC_021165.1	Ca_kabuli_chr06	9918834	AA	GG	1940352526
SNP_P1_108632_9918887	NC_021165.1	Ca_kabuli_chr06	9918887	TT	CC	1940352528
SNP_P1_108633_9919328	NC_021165.1	Ca_kabuli_chr06	9919328	TT	CC	1940352530
SNP_P1_108634_9919352	NC_021165.1	Ca_kabuli_chr06	9919352	GG	AA	1940352532
SNP_P1_108635_9919354	NC_021165.1	Ca_kabuli_chr06	9919354	AA	GG	1940352533
SNP_P1_108636_9919436	NC_021165.1	Ca_kabuli_chr06	9919436	AA	CC	1940352535
SNP_P1_108637_9920322	NC_021165.1	Ca_kabuli_chr06	9920322	GG	TT	1940352537
SNP_P1_108638_9920516	NC_021165.1	Ca_kabuli_chr06	9920516	TT	CC	1940352539
SNP_P1_108639_9920518	NC_021165.1	Ca_kabuli_chr06	9920518	GG	AA	1940352540
SNP_P1_108640_9920543	NC_021165.1	Ca_kabuli_chr06	9920543	GG	AA	1940352542
SNP_P1_108641_9922864	NC_021165.1	Ca_kabuli_chr06	9922864	CC	GG	1940352544
SNP_P1_108642_9923025	NC_021165.1	Ca_kabuli_chr06	9923025	GG	AA	1940352546
SNP_P1_108643_9923041	NC_021165.1	Ca_kabuli_chr06	9923041	GG	AA	1940352547

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108646_9923281	NC_021165.1	Ca_kabuli_chr06	9923281	TT	AA	1940352552
SNP_P1_108647_9924909	NC_021165.1	Ca_kabuli_chr06	9924909	TT	CC	1940352555
SNP_P1_108648_9925228	NC_021165.1	Ca_kabuli_chr06	9925228	TT	AA	1940352557
SNP_P1_108649_9925576	NC_021165.1	Ca_kabuli_chr06	9925576	CC	TT	1940352558
SNP_P1_108650_9925582	NC_021165.1	Ca_kabuli_chr06	9925582	TT	GG	1940352560
SNP_P1_108653_9926195	NC_021165.1	Ca_kabuli_chr06	9926195	CC	TT	1940352562
SNP_P1_108654_9926282	NC_021165.1	Ca_kabuli_chr06	9926282	AA	TT	1940352564
SNP_P1_108655_9926319	NC_021165.1	Ca_kabuli_chr06	9926319	GG	AA	1940352565
SNP_P1_108656_9927434	NC_021165.1	Ca_kabuli_chr06	9927434	CC	TT	1940352567
SNP_P1_108658_9927474	NC_021165.1	Ca_kabuli_chr06	9927474	TT	CC	1940352569
SNP_P1_108659_9927499	NC_021165.1	Ca_kabuli_chr06	9927499	CC	AA	1940352571
SNP_P1_108660_9928209	NC_021165.1	Ca_kabuli_chr06	9928209	CC	TT	1940352572
SNP_P1_108661_9928259	NC_021165.1	Ca_kabuli_chr06	9928259	TT	CC	1940352574
SNP_P1_108662_9929994	NC_021165.1	Ca_kabuli_chr06	9929994	TT	CC	1940352576
SNP_P1_108663_9932014	NC_021165.1	Ca_kabuli_chr06	9932014	TT	CC	1940352578
SNP_P1_108664_9932327	NC_021165.1	Ca_kabuli_chr06	9932327	TT	AA	1940352579
SNP_P1_108666_9935018	NC_021165.1	Ca_kabuli_chr06	9935018	AA	GG	1940352581
SNP_P1_108668_9935732	NC_021165.1	Ca_kabuli_chr06	9935732	AA	TT	1940352583
SNP_P1_108669_9937300	NC_021165.1	Ca_kabuli_chr06	9937300	TT	GG	1940352585
SNP_P1_108670_9937434	NC_021165.1	Ca_kabuli_chr06	9937434	CC	TT	1940352586
SNP_P1_108671_9942534	NC_021165.1	Ca_kabuli_chr06	9942534	TT	CC	1940352588
SNP_P1_108672_9942687	NC_021165.1	Ca_kabuli_chr06	9942687	CC	TT	1940352590
SNP_P1_108673_9942747	NC_021165.1	Ca_kabuli_chr06	9942747	TT	CC	1940352592
SNP_P1_108674_9942903	NC_021165.1	Ca_kabuli_chr06	9942903	GG	CC	1940352593
SNP_P1_108675_9942904	NC_021165.1	Ca_kabuli_chr06	9942904	CC	TT	1940352595
SNP_P1_108676_9942982	NC_021165.1	Ca_kabuli_chr06	9942982	TT	AA	1940352597
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SNP_P1_108678_9943295	NC_021165.1	Ca_kabuli_chr06	9943295	TT	AA	1940352600
SNP_P1_108679_9943302	NC_021165.1	Ca_kabuli_chr06	9943302	GG	AA	1940352602
SNP_P1_108680_9943636	NC_021165.1	Ca_kabuli_chr06	9943636	CC	GG	1940352604
SNP_P1_108682_9946297	NC_021165.1	Ca_kabuli_chr06	9946297	AA	GG	1940352605
SNP_P1_108683_9946347	NC_021165.1	Ca_kabuli_chr06	9946347	CC	TT	1940352607
SNP_P1_108684_9946348	NC_021165.1	Ca_kabuli_chr06	9946348	TT	CC	1940352609
SNP_P1_108685_9946361	NC_021165.1	Ca_kabuli_chr06	9946361	CC	TT	1940352611
SNP_P1_108686_9946684	NC_021165.1	Ca_kabuli_chr06	9946684	AA	GG	1940352612
SNP_P1_108687_9947051	NC_021165.1	Ca_kabuli_chr06	9947051	GG	AA	1940352614
SNP_P1_108688_9947167	NC_021165.1	Ca_kabuli_chr06	9947167	AA	GG	1940352616
SNP_P1_108689_9947196	NC_021165.1	Ca_kabuli_chr06	9947196	AA	GG	1940352618
SNP_P1_108690_9947806	NC_021165.1	Ca_kabuli_chr06	9947806	GG	AA	1940352619
SNP_P1_108691_9947809	NC_021165.1	Ca_kabuli_chr06	9947809	AA	CC	1940352621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108694_9948881	NC_021165.1	Ca_kabuli_chr06	9948881	TT	CC	1940352626
SNP_P1_108695_9948882	NC_021165.1	Ca_kabuli_chr06	9948882	TT	CC	1940352628
SNP_P1_108696_9949287	NC_021165.1	Ca_kabuli_chr06	9949287	CC	AA	1940352630
SNP_P1_108697_9949288	NC_021165.1	Ca_kabuli_chr06	9949288	TT	AA	1940352632
SNP_P1_108698_9949311	NC_021165.1	Ca_kabuli_chr06	9949311	CC	TT	1940352633
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SNP_P1_108703_9949760	NC_021165.1	Ca_kabuli_chr06	9949760	AA	TT	1940352639
SNP_P1_108704_9949761	NC_021165.1	Ca_kabuli_chr06	9949761	AA	TT	1940352640
SNP_P1_108705_9949762	NC_021165.1	Ca_kabuli_chr06	9949762	AA	TT	1940352642
SNP_P1_108706_9950996	NC_021165.1	Ca_kabuli_chr06	9950996	CC	GG	1940352644
SNP_P1_108707_9951230	NC_021165.1	Ca_kabuli_chr06	9951230	TT	CC	1940352646
SNP_P1_108708_9951241	NC_021165.1	Ca_kabuli_chr06	9951241	TT	CC	1940352647
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SNP_P1_108710_9952083	NC_021165.1	Ca_kabuli_chr06	9952083	AA	GG	1940352651
SNP_P1_108711_9952084	NC_021165.1	Ca_kabuli_chr06	9952084	GG	TT	1940352652
SNP_P1_108712_9952109	NC_021165.1	Ca_kabuli_chr06	9952109	TT	AA	1940352654
SNP_P1_108713_9952680	NC_021165.1	Ca_kabuli_chr06	9952680	AA	CC	1940352656
SNP_P1_108714_9954533	NC_021165.1	Ca_kabuli_chr06	9954533	TT	CC	1940352658
SNP_P1_108715_9954861	NC_021165.1	Ca_kabuli_chr06	9954861	TT	CC	1940352659
SNP_P1_108717_9955917	NC_021165.1	Ca_kabuli_chr06	9955917	TT	CC	1940352661
SNP_P1_108718_9955933	NC_021165.1	Ca_kabuli_chr06	9955933	GG	AA	1940352663
SNP_P1_108720_9956447	NC_021165.1	Ca_kabuli_chr06	9956447	CC	GG	1940352665
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SNP_P1_108725_9958147	NC_021165.1	Ca_kabuli_chr06	9958147	CC	AA	1940352672
SNP_P1_108726_9958244	NC_021165.1	Ca_kabuli_chr06	9958244	CC	GG	1940352673
SNP_P1_108728_9958435	NC_021165.1	Ca_kabuli_chr06	9958435	GG	AA	1940352675
SNP_P1_108729_9958733	NC_021165.1	Ca_kabuli_chr06	9958733	AA	CC	1940352677
SNP_P1_108730_9959354	NC_021165.1	Ca_kabuli_chr06	9959354	AA	TT	1940352679
SNP_P1_108732_9960558	NC_021165.1	Ca_kabuli_chr06	9960558	AA	TT	1940352680
SNP_P1_108733_9961199	NC_021165.1	Ca_kabuli_chr06	9961199	AA	GG	1940352682
SNP_P1_108734_9961208	NC_021165.1	Ca_kabuli_chr06	9961208	TT	AA	1940352684
SNP_P1_108735_9961223	NC_021165.1	Ca_kabuli_chr06	9961223	CC	TT	1940352686
SNP_P1_108736_9961396	NC_021165.1	Ca_kabuli_chr06	9961396	TT	CC	1940352687
SNP_P1_108738_9961900	NC_021165.1	Ca_kabuli_chr06	9961900	GG	TT	1940352689
SNP_P1_108739_9962295	NC_021165.1	Ca_kabuli_chr06	9962295	AA	GG	1940352691
SNP_P1_108740_9962402	NC_021165.1	Ca_kabuli_chr06	9962402	AA	TT	1940352693
SNP_P1_108741_9962592	NC_021165.1	Ca_kabuli_chr06	9962592	GG	AA	1940352694

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108744_9963588	NC_021165.1	Ca_kabuli_chr06	9963588	CC	TT	1940352700
SNP_P1_108746_9964177	NC_021165.1	Ca_kabuli_chr06	9964177	TT	CC	1940352701
SNP_P1_108747_9964189	NC_021165.1	Ca_kabuli_chr06	9964189	AA	GG	1940352703
SNP_P1_108748_9964194	NC_021165.1	Ca_kabuli_chr06	9964194	AA	GG	1940352705
SNP_P1_108749_9964216	NC_021165.1	Ca_kabuli_chr06	9964216	TT	CC	1940352706
SNP_P1_108751_9964753	NC_021165.1	Ca_kabuli_chr06	9964753	TT	CC	1940352708
SNP_P1_108752_9965682	NC_021165.1	Ca_kabuli_chr06	9965682	AA	GG	1940352710
SNP_P1_108753_9975100	NC_021165.1	Ca_kabuli_chr06	9975100	TT	CC	1940352712
SNP_P1_108754_9975148	NC_021165.1	Ca_kabuli_chr06	9975148	AA	GG	1940352713
SNP_P1_108757_9976428	NC_021165.1	Ca_kabuli_chr06	9976428	CC	TT	1940352715
SNP_P1_108758_9976430	NC_021165.1	Ca_kabuli_chr06	9976430	TT	AA	1940352717
SNP_P1_108759_9976445	NC_021165.1	Ca_kabuli_chr06	9976445	CC	TT	1940352719
SNP_P1_108760_9976446	NC_021165.1	Ca_kabuli_chr06	9976446	AA	GG	1940352720
SNP_P1_108761_9976876	NC_021165.1	Ca_kabuli_chr06	9976876	GG	CC	1940352722
SNP_P1_108762_9977068	NC_021165.1	Ca_kabuli_chr06	9977068	GG	AA	1940352724
SNP_P1_108763_9977116	NC_021165.1	Ca_kabuli_chr06	9977116	TT	CC	1940352726
SNP_P1_108764_9978641	NC_021165.1	Ca_kabuli_chr06	9978641	AA	GG	1940352727
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SNP_P1_108766_9978654	NC_021165.1	Ca_kabuli_chr06	9978654	GG	AA	1940352731
SNP_P1_108767_9978655	NC_021165.1	Ca_kabuli_chr06	9978655	AA	GG	1940352733
SNP_P1_108768_9978671	NC_021165.1	Ca_kabuli_chr06	9978671	TT	CC	1940352734
SNP_P1_108769_9978689	NC_021165.1	Ca_kabuli_chr06	9978689	AA	GG	1940352736
SNP_P1_108770_9978694	NC_021165.1	Ca_kabuli_chr06	9978694	CC	AA	1940352738
SNP_P1_108771_9978697	NC_021165.1	Ca_kabuli_chr06	9978697	GG	TT	1940352740
SNP_P1_108772_9978704	NC_021165.1	Ca_kabuli_chr06	9978704	CC	TT	1940352741
SNP_P1_108773_9978908	NC_021165.1	Ca_kabuli_chr06	9978908	AA	GG	1940352743
SNP_P1_108774_9978913	NC_021165.1	Ca_kabuli_chr06	9978913	GG	AA	1940352745
SNP_P1_108775_9978923	NC_021165.1	Ca_kabuli_chr06	9978923	AA	CC	1940352747
SNP_P1_108776_9978937	NC_021165.1	Ca_kabuli_chr06	9978937	TT	CC	1940352748
SNP_P1_108777_9979025	NC_021165.1	Ca_kabuli_chr06	9979025	CC	GG	1940352750
SNP_P1_108778_9979030	NC_021165.1	Ca_kabuli_chr06	9979030	AA	CC	1940352752
SNP_P1_108779_9979031	NC_021165.1	Ca_kabuli_chr06	9979031	GG	CC	1940352754
SNP_P1_108780_9979081	NC_021165.1	Ca_kabuli_chr06	9979081	GG	AA	1940352755
SNP_P1_108781_9979128	NC_021165.1	Ca_kabuli_chr06	9979128	GG	AA	1940352757
SNP_P1_108782_9979131	NC_021165.1	Ca_kabuli_chr06	9979131	AA	GG	1940352759
SNP_P1_108783_9979138	NC_021165.1	Ca_kabuli_chr06	9979138	CC	TT	1940352760
SNP_P1_108784_9979305	NC_021165.1	Ca_kabuli_chr06	9979305	AA	CC	1940352762
SNP_P1_108785_9979335	NC_021165.1	Ca_kabuli_chr06	9979335	TT	CC	1940352764
SNP_P1_108786_9979916	NC_021165.1	Ca_kabuli_chr06	9979916	TT	CC	1940352766
SNP_P1_108787_9983497	NC_021165.1	Ca_kabuli_chr06	9983497	AA	CC	1940352767

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108790_9984100	NC_021165.1	Ca_kabuli_chr06	9984100	AA	GG	1940352773
SNP_P1_108791_9984110	NC_021165.1	Ca_kabuli_chr06	9984110	TT	CC	1940352774
SNP_P1_108792_9984136	NC_021165.1	Ca_kabuli_chr06	9984136	TT	CC	1940352776
SNP_P1_108793_9984148	NC_021165.1	Ca_kabuli_chr06	9984148	CC	TT	1940352778
SNP_P1_108794_9984209	NC_021165.1	Ca_kabuli_chr06	9984209	TT	GG	1940352780
SNP_P1_108795_9984538	NC_021165.1	Ca_kabuli_chr06	9984538	AA	TT	1940352781
SNP_P1_108796_9984541	NC_021165.1	Ca_kabuli_chr06	9984541	GG	AA	1940352783
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SNP_P1_108803_9987026	NC_021165.1	Ca_kabuli_chr06	9987026	TT	CC	1940352795
SNP_P1_108804_9987055	NC_021165.1	Ca_kabuli_chr06	9987055	AA	GG	1940352797
SNP_P1_108806_9987148	NC_021165.1	Ca_kabuli_chr06	9987148	AA	GG	1940352799
SNP_P1_108807_9987177	NC_021165.1	Ca_kabuli_chr06	9987177	GG	AA	1940352801
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SNP_P1_108809_9987509	NC_021165.1	Ca_kabuli_chr06	9987509	AA	GG	1940352804
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SNP_P1_108811_9987571	NC_021165.1	Ca_kabuli_chr06	9987571	CC	TT	1940352807
SNP_P1_108812_9987596	NC_021165.1	Ca_kabuli_chr06	9987596	CC	TT	1940352809
SNP_P1_108813_9987614	NC_021165.1	Ca_kabuli_chr06	9987614	TT	AA	1940352811
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SNP_P1_108818_9989047	NC_021165.1	Ca_kabuli_chr06	9989047	AA	GG	1940352818
SNP_P1_108819_9991382	NC_021165.1	Ca_kabuli_chr06	9991382	AA	GG	1940352820
SNP_P1_108820_9991397	NC_021165.1	Ca_kabuli_chr06	9991397	AA	GG	1940352821
SNP_P1_108821_9991537	NC_021165.1	Ca_kabuli_chr06	9991537	CC	TT	1940352823
SNP_P1_108822_9992261	NC_021165.1	Ca_kabuli_chr06	9992261	AA	TT	1940352825
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SNP_P1_108824_9993428	NC_021165.1	Ca_kabuli_chr06	9993428	AA	GG	1940352828
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SNP_P1_108826_9994197	NC_021165.1	Ca_kabuli_chr06	9994197	TT	CC	1940352832
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SNP_P1_108828_9994315	NC_021165.1	Ca_kabuli_chr06	9994315	CC	AA	1940352835
SNP_P1_108829_9994411	NC_021165.1	Ca_kabuli_chr06	9994411	AA	GG	1940352837
SNP_P1_108830_9995375	NC_021165.1	Ca_kabuli_chr06	9995375	GG	AA	1940352839
SNP_P1_108831_9995744	NC_021165.1	Ca_kabuli_chr06	9995744	CC	GG	1940352841

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108834_9996141	NC_021165.1	Ca_kabuli_chr06	9996141	CC	TT	1940352846
SNP_P1_108835_9996148	NC_021165.1	Ca_kabuli_chr06	9996148	TT	CC	1940352848
SNP_P1_108836_9996150	NC_021165.1	Ca_kabuli_chr06	9996150	TT	CC	1940352849
SNP_P1_108837_9996531	NC_021165.1	Ca_kabuli_chr06	9996531	CC	TT	1940352851
SNP_P1_108838_9996789	NC_021165.1	Ca_kabuli_chr06	9996789	TT	GG	1940352853
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SNP_P1_108840_9996837	NC_021165.1	Ca_kabuli_chr06	9996837	CC	TT	1940352856
SNP_P1_108842_9997064	NC_021165.1	Ca_kabuli_chr06	9997064	AA	CC	1940352858
SNP_P1_108843_9997515	NC_021165.1	Ca_kabuli_chr06	9997515	TT	CC	1940352860
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SNP_P1_108847_9999182	NC_021165.1	Ca_kabuli_chr06	9999182	TT	AA	1940352867
SNP_P1_108848_9999427	NC_021165.1	Ca_kabuli_chr06	9999427	GG	CC	1940352869
SNP_P1_108849_9999453	NC_021165.1	Ca_kabuli_chr06	9999453	CC	AA	1940352870
SNP_P1_108851_9999933	NC_021165.1	Ca_kabuli_chr06	9999933	GG	AA	1940352872
SNP_P1_108852_10000212	NC_021165.1	Ca_kabuli_chr06	10000212	CC	TT	1940352874
SNP_P1_108853_10000864	NC_021165.1	Ca_kabuli_chr06	10000864	TT	AA	1940352876
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SNP_P1_108857_10001718	NC_021165.1	Ca_kabuli_chr06	10001718	CC	TT	1940352879
SNP_P1_108858_10001760	NC_021165.1	Ca_kabuli_chr06	10001760	TT	CC	1940352881
SNP_P1_108859_10002044	NC_021165.1	Ca_kabuli_chr06	10002044	TT	CC	1940352882
SNP_P1_108860_10002170	NC_021165.1	Ca_kabuli_chr06	10002170	GG	TT	1940352884
SNP_P1_108862_10002366	NC_021165.1	Ca_kabuli_chr06	10002366	AA	CC	1940352886
SNP_P1_108864_10002659	NC_021165.1	Ca_kabuli_chr06	10002659	TT	AA	1940352888
SNP_P1_108867_10006910	NC_021165.1	Ca_kabuli_chr06	10006910	AA	GG	1940352889
SNP_P1_108868_10006968	NC_021165.1	Ca_kabuli_chr06	10006968	CC	AA	1940352891
SNP_P1_108869_10007018	NC_021165.1	Ca_kabuli_chr06	10007018	GG	AA	1940352893
SNP_P1_108870_10007220	NC_021165.1	Ca_kabuli_chr06	10007220	AA	GG	1940352895
SNP_P1_108871_10007296	NC_021165.1	Ca_kabuli_chr06	10007296	TT	GG	1940352896
SNP_P1_108872_10007637	NC_021165.1	Ca_kabuli_chr06	10007637	GG	AA	1940352898
SNP_P1_108873_10007806	NC_021165.1	Ca_kabuli_chr06	10007806	TT	AA	1940352900
SNP_P1_108874_10009233	NC_021165.1	Ca_kabuli_chr06	10009233	AA	GG	1940352902
SNP_P1_108875_10009601	NC_021165.1	Ca_kabuli_chr06	10009601	AA	GG	1940352903
SNP_P1_108876_10009611	NC_021165.1	Ca_kabuli_chr06	10009611	AA	GG	1940352905
SNP_P1_108877_10012252	NC_021165.1	Ca_kabuli_chr06	10012252	CC	TT	1940352907
SNP_P1_108878_10012321	NC_021165.1	Ca_kabuli_chr06	10012321	AA	TT	1940352909
SNP_P1_108879_10012576	NC_021165.1	Ca_kabuli_chr06	10012576	GG	TT	1940352910
SNP_P1_108880_10012589	NC_021165.1	Ca_kabuli_chr06	10012589	CC	TT	1940352912
SNP_P1_108881_10012590	NC_021165.1	Ca_kabuli_chr06	10012590	CC	AA	1940352914

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108884_10013091	NC_021165.1	Ca_kabuli_chr06	10013091	CC	AA	1940352917
SNP_P1_108885_10014964	NC_021165.1	Ca_kabuli_chr06	10014964	TT	GG	1940352919
SNP_P1_108886_10015632	NC_021165.1	Ca_kabuli_chr06	10015632	CC	TT	1940352921
SNP_P1_108887_10015996	NC_021165.1	Ca_kabuli_chr06	10015996	AA	GG	1940352923
SNP_P1_108888_10017036	NC_021165.1	Ca_kabuli_chr06	10017036	TT	CC	1940352924
SNP_P1_108889_10017516	NC_021165.1	Ca_kabuli_chr06	10017516	CC	TT	1940352926
SNP_P1_108890_10017537	NC_021165.1	Ca_kabuli_chr06	10017537	GG	TT	1940352928
SNP_P1_108891_10017945	NC_021165.1	Ca_kabuli_chr06	10017945	AA	GG	1940352929
SNP_P1_108892_10017948	NC_021165.1	Ca_kabuli_chr06	10017948	CC	AA	1940352931
SNP_P1_108893_10019154	NC_021165.1	Ca_kabuli_chr06	10019154	AA	GG	1940352933
SNP_P1_108894_10019457	NC_021165.1	Ca_kabuli_chr06	10019457	AA	GG	1940352935
SNP_P1_108895_10019476	NC_021165.1	Ca_kabuli_chr06	10019476	CC	GG	1940352936
SNP_P1_108896_10019498	NC_021165.1	Ca_kabuli_chr06	10019498	AA	GG	1940352938
SNP_P1_108898_10022874	NC_021165.1	Ca_kabuli_chr06	10022874	TT	CC	1940352940
SNP_P1_108899_10023183	NC_021165.1	Ca_kabuli_chr06	10023183	GG	TT	1940352942
SNP_P1_108901_10024205	NC_021165.1	Ca_kabuli_chr06	10024205	AA	CC	1940352943
SNP_P1_108902_10024206	NC_021165.1	Ca_kabuli_chr06	10024206	TT	GG	1940352945
SNP_P1_108903_10024257	NC_021165.1	Ca_kabuli_chr06	10024257	AA	GG	1940352947
SNP_P1_108904_10025321	NC_021165.1	Ca_kabuli_chr06	10025321	CC	AA	1940352949
SNP_P1_108906_10025644	NC_021165.1	Ca_kabuli_chr06	10025644	TT	CC	1940352950
SNP_P1_108907_10025995	NC_021165.1	Ca_kabuli_chr06	10025995	GG	AA	1940352952
SNP_P1_108908_10026000	NC_021165.1	Ca_kabuli_chr06	10026000	CC	TT	1940352954
SNP_P1_108909_10026033	NC_021165.1	Ca_kabuli_chr06	10026033	GG	TT	1940352956
SNP_P1_108911_10029581	NC_021165.1	Ca_kabuli_chr06	10029581	AA	GG	1940352957
SNP_P1_108912_10030914	NC_021165.1	Ca_kabuli_chr06	10030914	GG	AA	1940352959
SNP_P1_108913_10031805	NC_021165.1	Ca_kabuli_chr06	10031805	AA	GG	1940352961
SNP_P1_108914_10032909	NC_021165.1	Ca_kabuli_chr06	10032909	CC	AA	1940352963
SNP_P1_108915_10033386	NC_021165.1	Ca_kabuli_chr06	10033386	TT	CC	1940352964
SNP_P1_108916_10033622	NC_021165.1	Ca_kabuli_chr06	10033622	GG	AA	1940352966
SNP_P1_108917_10038763	NC_021165.1	Ca_kabuli_chr06	10038763	AA	TT	1940352968
SNP_P1_108918_10038974	NC_021165.1	Ca_kabuli_chr06	10038974	GG	CC	1940352969
SNP_P1_108919_10040330	NC_021165.1	Ca_kabuli_chr06	10040330	CC	TT	1940352971
SNP_P1_108920_10040340	NC_021165.1	Ca_kabuli_chr06	10040340	CC	TT	1940352973
SNP_P1_108921_10040592	NC_021165.1	Ca_kabuli_chr06	10040592	TT	GG	1940352975
SNP_P1_108923_10040660	NC_021165.1	Ca_kabuli_chr06	10040660	AA	GG	1940352976
SNP_P1_108924_10041609	NC_021165.1	Ca_kabuli_chr06	10041609	AA	GG	1940352978
SNP_P1_108925_10041985	NC_021165.1	Ca_kabuli_chr06	10041985	AA	TT	1940352980
SNP_P1_108926_10042132	NC_021165.1	Ca_kabuli_chr06	10042132	GG	AA	1940352982
SNP_P1_108927_10042391	NC_021165.1	Ca_kabuli_chr06	10042391	TT	CC	1940352983
SNP_P1_108928_10042425	NC_021165.1	Ca_kabuli_chr06	10042425	GG	TT	1940352985
SNP_P1_108929_10042427	NC_021165.1	Ca_kabuli_chr06	10042427	AA	GG	1940352987

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108933_10046157	NC_021165.1	Ca_kabuli_chr06	10046157	TT	CC	1940352992
SNP_P1_108934_10046159	NC_021165.1	Ca_kabuli_chr06	10046159	AA	GG	1940352994
SNP_P1_108936_10047132	NC_021165.1	Ca_kabuli_chr06	10047132	GG	AA	1940352996
SNP_P1_108937_10047593	NC_021165.1	Ca_kabuli_chr06	10047593	GG	AA	1940352997
SNP_P1_108938_10047770	NC_021165.1	Ca_kabuli_chr06	10047770	TT	CC	1940352999
SNP_P1_108939_10047858	NC_021165.1	Ca_kabuli_chr06	10047858	GG	AA	1940353001
SNP_P1_108940_10048165	NC_021165.1	Ca_kabuli_chr06	10048165	TT	CC	1940353002
SNP_P1_108941_10048835	NC_021165.1	Ca_kabuli_chr06	10048835	TT	AA	1940353004
SNP_P1_108942_10049031	NC_021165.1	Ca_kabuli_chr06	10049031	AA	GG	1940353006
SNP_P1_108943_10049857	NC_021165.1	Ca_kabuli_chr06	10049857	CC	TT	1940353008
SNP_P1_108944_10050185	NC_021165.1	Ca_kabuli_chr06	10050185	TT	CC	1940353009
SNP_P1_108947_10050434	NC_021165.1	Ca_kabuli_chr06	10050434	AA	CC	1940353011
SNP_P1_108948_10050699	NC_021165.1	Ca_kabuli_chr06	10050699	TT	CC	1940353013
SNP_P1_108949_10050761	NC_021165.1	Ca_kabuli_chr06	10050761	TT	CC	1940353015
SNP_P1_108950_10050951	NC_021165.1	Ca_kabuli_chr06	10050951	CC	GG	1940353016
SNP_P1_108951_10052275	NC_021165.1	Ca_kabuli_chr06	10052275	TT	CC	1940353018
SNP_P1_108952_10052612	NC_021165.1	Ca_kabuli_chr06	10052612	TT	CC	1940353020
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SNP_P1_108955_10053646	NC_021165.1	Ca_kabuli_chr06	10053646	GG	AA	1940353023
SNP_P1_108957_10055409	NC_021165.1	Ca_kabuli_chr06	10055409	CC	AA	1940353025
SNP_P1_108958_10055677	NC_021165.1	Ca_kabuli_chr06	10055677	TT	CC	1940353027
SNP_P1_108959_10055865	NC_021165.1	Ca_kabuli_chr06	10055865	AA	GG	1940353029
SNP_P1_108960_10055881	NC_021165.1	Ca_kabuli_chr06	10055881	CC	TT	1940353030
SNP_P1_108961_10055954	NC_021165.1	Ca_kabuli_chr06	10055954	TT	AA	1940353032
SNP_P1_108963_10056230	NC_021165.1	Ca_kabuli_chr06	10056230	GG	CC	1940353034
SNP_P1_108964_10056426	NC_021165.1	Ca_kabuli_chr06	10056426	AA	CC	1940353036
SNP_P1_108965_10056427	NC_021165.1	Ca_kabuli_chr06	10056427	AA	GG	1940353037
SNP_P1_108966_10056428	NC_021165.1	Ca_kabuli_chr06	10056428	AA	CC	1940353039
SNP_P1_108968_10056523	NC_021165.1	Ca_kabuli_chr06	10056523	AA	GG	1940353041
SNP_P1_108969_10056965	NC_021165.1	Ca_kabuli_chr06	10056965	GG	TT	1940353043
SNP_P1_108970_10056992	NC_021165.1	Ca_kabuli_chr06	10056992	TT	GG	1940353044
SNP_P1_108971_10057210	NC_021165.1	Ca_kabuli_chr06	10057210	TT	CC	1940353046
SNP_P1_108972_10058425	NC_021165.1	Ca_kabuli_chr06	10058425	AA	GG	1940353048
SNP_P1_108973_10058451	NC_021165.1	Ca_kabuli_chr06	10058451	CC	GG	1940353050
SNP_P1_108974_10058469	NC_021165.1	Ca_kabuli_chr06	10058469	TT	CC	1940353051
SNP_P1_108975_10058759	NC_021165.1	Ca_kabuli_chr06	10058759	GG	TT	1940353053
SNP_P1_108976_10058875	NC_021165.1	Ca_kabuli_chr06	10058875	GG	AA	1940353055
SNP_P1_108977_10059099	NC_021165.1	Ca_kabuli_chr06	10059099	TT	GG	1940353056
SNP_P1_108978_10059218	NC_021165.1	Ca_kabuli_chr06	10059218	CC	TT	1940353058
SNP_P1_108979_10061032	NC_021165.1	Ca_kabuli_chr06	10061032	GG	AA	1940353060

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_108982_10061439	NC_021165.1	Ca_kabuli_chr06	10061439	AA	GG	1940353063
SNP_P1_108983_10061460	NC_021165.1	Ca_kabuli_chr06	10061460	TT	GG	1940353065
SNP_P1_108985_10061564	NC_021165.1	Ca_kabuli_chr06	10061564	GG	AA	1940353067
SNP_P1_108986_10061618	NC_021165.1	Ca_kabuli_chr06	10061618	AA	TT	1940353069
SNP_P1_108987_10061620	NC_021165.1	Ca_kabuli_chr06	10061620	AA	GG	1940353070
SNP_P1_108990_10062175	NC_021165.1	Ca_kabuli_chr06	10062175	TT	AA	1940353072
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SNP_P1_108992_10062487	NC_021165.1	Ca_kabuli_chr06	10062487	CC	TT	1940353076
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SNP_P1_108996_10062738	NC_021165.1	Ca_kabuli_chr06	10062738	AA	TT	1940353083
SNP_P1_108997_10062749	NC_021165.1	Ca_kabuli_chr06	10062749	CC	TT	1940353084
SNP_P1_108998_10062944	NC_021165.1	Ca_kabuli_chr06	10062944	CC	TT	1940353086
SNP_P1_109000_10064817	NC_021165.1	Ca_kabuli_chr06	10064817	CC	TT	1940353088
SNP_P1_109001_10064828	NC_021165.1	Ca_kabuli_chr06	10064828	CC	TT	1940353089
SNP_P1_109002_10064853	NC_021165.1	Ca_kabuli_chr06	10064853	TT	GG	1940353091
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SNP_P1_109006_10065196	NC_021165.1	Ca_kabuli_chr06	10065196	CC	TT	1940353098
SNP_P1_109007_10065204	NC_021165.1	Ca_kabuli_chr06	10065204	AA	TT	1940353100
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SNP_P1_109010_10081526	NC_021165.1	Ca_kabuli_chr06	10081526	CC	AA	1940353105
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SNP_P1_109013_10083157	NC_021165.1	Ca_kabuli_chr06	10083157	CC	TT	1940353110
SNP_P1_109014_10083193	NC_021165.1	Ca_kabuli_chr06	10083193	GG	TT	1940353112
SNP_P1_109016_10084502	NC_021165.1	Ca_kabuli_chr06	10084502	GG	AA	1940353114
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SNP_P1_109019_10085195	NC_021165.1	Ca_kabuli_chr06	10085195	CC	TT	1940353119
SNP_P1_109020_10085205	NC_021165.1	Ca_kabuli_chr06	10085205	CC	TT	1940353121
SNP_P1_109021_10085407	NC_021165.1	Ca_kabuli_chr06	10085407	CC	TT	1940353123
SNP_P1_109022_10085430	NC_021165.1	Ca_kabuli_chr06	10085430	GG	AA	1940353124
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SNP_P1_109024_10085455	NC_021165.1	Ca_kabuli_chr06	10085455	CC	GG	1940353128
SNP_P1_109025_10085673	NC_021165.1	Ca_kabuli_chr06	10085673	GG	AA	1940353129
SNP_P1_109026_10085816	NC_021165.1	Ca_kabuli_chr06	10085816	AA	GG	1940353131
SNP_P1_109027_10086066	NC_021165.1	Ca_kabuli_chr06	10086066	GG	AA	1940353133

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109030_10089391	NC_021165.1	Ca_kabuli_chr06	10089391	GG	AA	1940353138
SNP_P1_109031_10089430	NC_021165.1	Ca_kabuli_chr06	10089430	GG	TT	1940353140
SNP_P1_109032_10090326	NC_021165.1	Ca_kabuli_chr06	10090326	TT	AA	1940353142
SNP_P1_109034_10090445	NC_021165.1	Ca_kabuli_chr06	10090445	CC	GG	1940353143
SNP_P1_109036_10090644	NC_021165.1	Ca_kabuli_chr06	10090644	AA	GG	1940353145
SNP_P1_109037_10090651	NC_021165.1	Ca_kabuli_chr06	10090651	GG	AA	1940353147
SNP_P1_109038_10090682	NC_021165.1	Ca_kabuli_chr06	10090682	CC	TT	1940353149
SNP_P1_109039_10090704	NC_021165.1	Ca_kabuli_chr06	10090704	CC	TT	1940353150
SNP_P1_109040_10090712	NC_021165.1	Ca_kabuli_chr06	10090712	GG	AA	1940353152
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SNP_P1_109048_10093900	NC_021165.1	Ca_kabuli_chr06	10093900	GG	AA	1940353162
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SNP_P1_109050_10100146	NC_021165.1	Ca_kabuli_chr06	10100146	GG	AA	1940353166
SNP_P1_109051_10103147	NC_021165.1	Ca_kabuli_chr06	10103147	TT	AA	1940353168
SNP_P1_109053_10103761	NC_021165.1	Ca_kabuli_chr06	10103761	AA	CC	1940353169
SNP_P1_109054_10103938	NC_021165.1	Ca_kabuli_chr06	10103938	GG	AA	1940353171
SNP_P1_109055_10104003	NC_021165.1	Ca_kabuli_chr06	10104003	AA	CC	1940353173
SNP_P1_109056_10104318	NC_021165.1	Ca_kabuli_chr06	10104318	AA	GG	1940353175
SNP_P1_109057_10105733	NC_021165.1	Ca_kabuli_chr06	10105733	CC	TT	1940353176
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SNP_P1_109067_10108217	NC_021165.1	Ca_kabuli_chr06	10108217	GG	AA	1940353190
SNP_P1_109068_10110894	NC_021165.1	Ca_kabuli_chr06	10110894	GG	AA	1940353192
SNP_P1_109069_10111126	NC_021165.1	Ca_kabuli_chr06	10111126	CC	TT	1940353194
SNP_P1_109070_10111193	NC_021165.1	Ca_kabuli_chr06	10111193	TT	CC	1940353196
SNP_P1_109071_10111358	NC_021165.1	Ca_kabuli_chr06	10111358	AA	GG	1940353197
SNP_P1_109072_10112230	NC_021165.1	Ca_kabuli_chr06	10112230	AA	GG	1940353199
SNP_P1_109073_10112494	NC_021165.1	Ca_kabuli_chr06	10112494	AA	CC	1940353201
SNP_P1_109074_10112562	NC_021165.1	Ca_kabuli_chr06	10112562	GG	CC	1940353202
SNP_P1_109075_10112809	NC_021165.1	Ca_kabuli_chr06	10112809	CC	GG	1940353204
SNP_P1_109076_10112818	NC_021165.1	Ca_kabuli_chr06	10112818	AA	GG	1940353206

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_109077_10112833	NC_021165.1	Ca_kabuli_chr06	10112833	CC	AA	1940353208
SNP_P1_109078_10112956	NC_021165.1	Ca_kabuli_chr06	10112956	TT	CC	1940353209
SNP_P1_109079_10114614	NC_021165.1	Ca_kabuli_chr06	10114614	CC	TT	1940353211
SNP_P1_109080_10114956	NC_021165.1	Ca_kabuli_chr06	10114956	TT	CC	1940353213
SNP_P1_109081_10114958	NC_021165.1	Ca_kabuli_chr06	10114958	CC	TT	1940353215
SNP_P1_109082_10115152	NC_021165.1	Ca_kabuli_chr06	10115152	TT	CC	1940353216
SNP_P1_109083_10115728	NC_021165.1	Ca_kabuli_chr06	10115728	TT	CC	1940353218
SNP_P1_109084_10116003	NC_021165.1	Ca_kabuli_chr06	10116003	TT	GG	1940353220
SNP_P1_109085_10116076	NC_021165.1	Ca_kabuli_chr06	10116076	TT	CC	1940353222
SNP_P1_109086_10116403	NC_021165.1	Ca_kabuli_chr06	10116403	TT	AA	1940353223
SNP_P1_109087_10116475	NC_021165.1	Ca_kabuli_chr06	10116475	CC	AA	1940353225
SNP_P1_109088_10117220	NC_021165.1	Ca_kabuli_chr06	10117220	TT	CC	1940353227
SNP_P1_109089_10121872	NC_021165.1	Ca_kabuli_chr06	10121872	GG	TT	1940353229
SNP_P1_109090_10121887	NC_021165.1	Ca_kabuli_chr06	10121887	GG	AA	1940353230
SNP_P1_109091_10121910	NC_021165.1	Ca_kabuli_chr06	10121910	CC	TT	1940353232
SNP_P1_109092_10121999	NC_021165.1	Ca_kabuli_chr06	10121999	CC	TT	1940353234
SNP_P1_109093_10122971	NC_021165.1	Ca_kabuli_chr06	10122971	CC	TT	1940353235
SNP_P1_109094_10123042	NC_021165.1	Ca_kabuli_chr06	10123042	TT	CC	1940353237
SNP_P1_109095_10123088	NC_021165.1	Ca_kabuli_chr06	10123088	GG	AA	1940353239
SNP_P1_109096_10123104	NC_021165.1	Ca_kabuli_chr06	10123104	AA	GG	1940353241
SNP_P1_109097_10123109	NC_021165.1	Ca_kabuli_chr06	10123109	AA	GG	1940353242
SNP_P1_109098_10123110	NC_021165.1	Ca_kabuli_chr06	10123110	TT	CC	1940353244
SNP_P1_109099_10123155	NC_021165.1	Ca_kabuli_chr06	10123155	GG	AA	1940353246
SNP_P1_109100_10123169	NC_021165.1	Ca_kabuli_chr06	10123169	AA	GG	1940353248
SNP_P1_109101_10123336	NC_021165.1	Ca_kabuli_chr06	10123336	TT	GG	1940353249
SNP_P1_109102_10123340	NC_021165.1	Ca_kabuli_chr06	10123340	AA	GG	1940353251
SNP_P1_109105_10127334	NC_021165.1	Ca_kabuli_chr06	10127334	TT	AA	1940353253
SNP_P1_109106_10127793	NC_021165.1	Ca_kabuli_chr06	10127793	AA	CC	1940353255
SNP_P1_109107_10127846	NC_021165.1	Ca_kabuli_chr06	10127846	GG	AA	1940353256
SNP_P1_109108_10127851	NC_021165.1	Ca_kabuli_chr06	10127851	CC	TT	1940353258
SNP_P1_109109_10128096	NC_021165.1	Ca_kabuli_chr06	10128096	CC	AA	1940353260
SNP_P1_109110_10128115	NC_021165.1	Ca_kabuli_chr06	10128115	GG	AA	1940353262
SNP_P1_109111_10128420	NC_021165.1	Ca_kabuli_chr06	10128420	TT	GG	1940353263
SNP_P1_109112_10128433	NC_021165.1	Ca_kabuli_chr06	10128433	TT	CC	1940353265
SNP_P1_109113_10128493	NC_021165.1	Ca_kabuli_chr06	10128493	AA	CC	1940353267
SNP_P1_109114_10128586	NC_021165.1	Ca_kabuli_chr06	10128586	AA	GG	1940353269
SNP_P1_109115_10128891	NC_021165.1	Ca_kabuli_chr06	10128891	CC	TT	1940353270
SNP_P1_109116_10129896	NC_021165.1	Ca_kabuli_chr06	10129896	CC	TT	1940353272
SNP_P1_109117_10129897	NC_021165.1	Ca_kabuli_chr06	10129897	GG	CC	1940353274
SNP_P1_109118_10130228	NC_021165.1	Ca_kabuli_chr06	10130228	TT	AA	1940353276
SNP_P1_109119_10130641	NC_021165.1	Ca_kabuli_chr06	10130641	AA	TT	1940353277
SNP_P1_109120_10130692	NC_021165.1	Ca_kabuli_chr06	10130692	CC	TT	1940353279

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_109121_10130758	NC_021165.1	Ca_kabuli_chr06	10130758	GG	TT	1940353281
SNP_P1_109122_10130873	NC_021165.1	Ca_kabuli_chr06	10130873	TT	GG	1940353282
SNP_P1_109123_10130922	NC_021165.1	Ca_kabuli_chr06	10130922	AA	TT	1940353284
SNP_P1_109124_10131127	NC_021165.1	Ca_kabuli_chr06	10131127	AA	GG	1940353286
SNP_P1_109125_10131154	NC_021165.1	Ca_kabuli_chr06	10131154	CC	TT	1940353288
SNP_P1_109126_10131470	NC_021165.1	Ca_kabuli_chr06	10131470	CC	TT	1940353289
SNP_P1_109127_10131481	NC_021165.1	Ca_kabuli_chr06	10131481	AA	TT	1940353291
SNP_P1_109128_10131762	NC_021165.1	Ca_kabuli_chr06	10131762	CC	TT	1940353293
SNP_P1_109129_10131794	NC_021165.1	Ca_kabuli_chr06	10131794	GG	AA	1940353295
SNP_P1_109130_10131799	NC_021165.1	Ca_kabuli_chr06	10131799	AA	GG	1940353296
SNP_P1_109131_10131814	NC_021165.1	Ca_kabuli_chr06	10131814	CC	TT	1940353298
SNP_P1_109132_10132026	NC_021165.1	Ca_kabuli_chr06	10132026	GG	TT	1940353300
SNP_P1_109134_10132263	NC_021165.1	Ca_kabuli_chr06	10132263	GG	AA	1940353302
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SNP_P1_109140_10134045	NC_021165.1	Ca_kabuli_chr06	10134045	AA	GG	1940353307
SNP_P1_109141_10134634	NC_021165.1	Ca_kabuli_chr06	10134634	GG	AA	1940353309
SNP_P1_109142_10134639	NC_021165.1	Ca_kabuli_chr06	10134639	CC	TT	1940353310
SNP_P1_109143_10134644	NC_021165.1	Ca_kabuli_chr06	10134644	AA	TT	1940353312
SNP_P1_109145_10134771	NC_021165.1	Ca_kabuli_chr06	10134771	CC	TT	1940353314
SNP_P1_109146_10134776	NC_021165.1	Ca_kabuli_chr06	10134776	CC	TT	1940353316
SNP_P1_109148_10135000	NC_021165.1	Ca_kabuli_chr06	10135000	TT	CC	1940353317
SNP_P1_109149_10135039	NC_021165.1	Ca_kabuli_chr06	10135039	TT	CC	1940353319
SNP_P1_109150_10135263	NC_021165.1	Ca_kabuli_chr06	10135263	TT	AA	1940353321
SNP_P1_109152_10136180	NC_021165.1	Ca_kabuli_chr06	10136180	GG	AA	1940353322
SNP_P1_109153_10137673	NC_021165.1	Ca_kabuli_chr06	10137673	TT	AA	1940353324
SNP_P1_109155_10138160	NC_021165.1	Ca_kabuli_chr06	10138160	TT	CC	1940353326
SNP_P1_109156_10138799	NC_021165.1	Ca_kabuli_chr06	10138799	GG	AA	1940353328
SNP_P1_109157_10139262	NC_021165.1	Ca_kabuli_chr06	10139262	AA	CC	1940353329
SNP_P1_109158_10139506	NC_021165.1	Ca_kabuli_chr06	10139506	GG	TT	1940353331
SNP_P1_109160_10141155	NC_021165.1	Ca_kabuli_chr06	10141155	AA	TT	1940353333
SNP_P1_109161_10141785	NC_021165.1	Ca_kabuli_chr06	10141785	AA	GG	1940353335
SNP_P1_109162_10142110	NC_021165.1	Ca_kabuli_chr06	10142110	CC	TT	1940353336
SNP_P1_109163_10142125	NC_021165.1	Ca_kabuli_chr06	10142125	AA	GG	1940353338
SNP_P1_109164_10142392	NC_021165.1	Ca_kabuli_chr06	10142392	GG	TT	1940353340
SNP_P1_109165_10144514	NC_021165.1	Ca_kabuli_chr06	10144514	TT	CC	1940353341
SNP_P1_109166_10145434	NC_021165.1	Ca_kabuli_chr06	10145434	AA	GG	1940353343
SNP_P1_109167_10146673	NC_021165.1	Ca_kabuli_chr06	10146673	CC	TT	1940353345
SNP_P1_109168_10146710	NC_021165.1	Ca_kabuli_chr06	10146710	TT	CC	1940353347
SNP_P1_109169_10146976	NC_021165.1	Ca_kabuli_chr06	10146976	GG	AA	1940353348
SNP_P1_109170_10146990	NC_021165.1	Ca_kabuli_chr06	10146990	GG	AA	1940353350
SNP_P1_109171_10147363	NC_021165.1	Ca_kabuli_chr06	10147363	AA	GG	1940353352

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_109172_10147849	NC_021165.1	Ca_kabuli_chr06	10147849	CC	GG	1940353354
SNP_P1_109173_10148881	NC_021165.1	Ca_kabuli_chr06	10148881	GG	AA	1940353355
SNP_P1_109175_10149346	NC_021165.1	Ca_kabuli_chr06	10149346	GG	AA	1940353357
SNP_P1_109177_10149627	NC_021165.1	Ca_kabuli_chr06	10149627	TT	CC	1940353359
SNP_P1_109178_10149680	NC_021165.1	Ca_kabuli_chr06	10149680	CC	TT	1940353361
SNP_P1_109179_10149941	NC_021165.1	Ca_kabuli_chr06	10149941	AA	GG	1940353362
SNP_P1_109180_10150326	NC_021165.1	Ca_kabuli_chr06	10150326	CC	TT	1940353364
SNP_P1_109181_10152232	NC_021165.1	Ca_kabuli_chr06	10152232	GG	AA	1940353366
SNP_P1_109182_10153073	NC_021165.1	Ca_kabuli_chr06	10153073	CC	AA	1940353368
SNP_P1_109183_10153601	NC_021165.1	Ca_kabuli_chr06	10153601	AA	GG	1940353369
SNP_P1_109184_10154186	NC_021165.1	Ca_kabuli_chr06	10154186	TT	AA	1940353371
SNP_P1_109185_10155109	NC_021165.1	Ca_kabuli_chr06	10155109	AA	TT	1940353373
SNP_P1_109186_10155264	NC_021165.1	Ca_kabuli_chr06	10155264	CC	TT	1940353375
SNP_P1_109187_10157956	NC_021165.1	Ca_kabuli_chr06	10157956	TT	GG	1940353376
SNP_P1_109188_10158850	NC_021165.1	Ca_kabuli_chr06	10158850	CC	TT	1940353378
SNP_P1_109190_10159236	NC_021165.1	Ca_kabuli_chr06	10159236	CC	TT	1940353380
SNP_P1_109191_10159518	NC_021165.1	Ca_kabuli_chr06	10159518	TT	AA	1940353381
SNP_P1_109193_10160127	NC_021165.1	Ca_kabuli_chr06	10160127	TT	CC	1940353383
SNP_P1_109194_10160128	NC_021165.1	Ca_kabuli_chr06	10160128	TT	AA	1940353385
SNP_P1_109196_10162967	NC_021165.1	Ca_kabuli_chr06	10162967	GG	AA	1940353387
SNP_P1_109197_10162970	NC_021165.1	Ca_kabuli_chr06	10162970	CC	TT	1940353388
SNP_P1_109198_10163225	NC_021165.1	Ca_kabuli_chr06	10163225	AA	GG	1940353390
SNP_P1_109199_10163250	NC_021165.1	Ca_kabuli_chr06	10163250	TT	AA	1940353392
SNP_P1_109200_10163274	NC_021165.1	Ca_kabuli_chr06	10163274	GG	TT	1940353394
SNP_P1_109202_10163371	NC_021165.1	Ca_kabuli_chr06	10163371	GG	AA	1940353395
SNP_P1_109203_10163405	NC_021165.1	Ca_kabuli_chr06	10163405	GG	AA	1940353397
SNP_P1_109204_10163440	NC_021165.1	Ca_kabuli_chr06	10163440	AA	GG	1940353399
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SNP_P1_109206_10163539	NC_021165.1	Ca_kabuli_chr06	10163539	CC	TT	1940353402
SNP_P1_109207_10163542	NC_021165.1	Ca_kabuli_chr06	10163542	AA	GG	1940353404
SNP_P1_109208_10164037	NC_021165.1	Ca_kabuli_chr06	10164037	AA	TT	1940353406
SNP_P1_109209_10164050	NC_021165.1	Ca_kabuli_chr06	10164050	CC	GG	1940353408
SNP_P1_109210_10164471	NC_021165.1	Ca_kabuli_chr06	10164471	CC	AA	1940353409
SNP_P1_109211_10164480	NC_021165.1	Ca_kabuli_chr06	10164480	TT	CC	1940353411
SNP_P1_109212_10164607	NC_021165.1	Ca_kabuli_chr06	10164607	AA	CC	1940353413
SNP_P1_109213_10164660	NC_021165.1	Ca_kabuli_chr06	10164660	AA	GG	1940353415
SNP_P1_109214_10164669	NC_021165.1	Ca_kabuli_chr06	10164669	AA	GG	1940353416
SNP_P1_109215_10164674	NC_021165.1	Ca_kabuli_chr06	10164674	CC	AA	1940353418
SNP_P1_109216_10164683	NC_021165.1	Ca_kabuli_chr06	10164683	AA	TT	1940353420
SNP_P1_109217_10164696	NC_021165.1	Ca_kabuli_chr06	10164696	TT	GG	1940353422
SNP_P1_109218_10165893	NC_021165.1	Ca_kabuli_chr06	10165893	AA	GG	1940353423
SNP_P1_109219_10167359	NC_021165.1	Ca_kabuli_chr06	10167359	GG	AA	1940353425

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_109222_10169209	NC_021165.1	Ca_kabuli_chr06	10169209	AA	GG	1940353427
SNP_P1_109223_10170273	NC_021165.1	Ca_kabuli_chr06	10170273	TT	GG	1940353428
SNP_P1_109224_10170283	NC_021165.1	Ca_kabuli_chr06	10170283	GG	AA	1940353430
SNP_P1_109225_10170644	NC_021165.1	Ca_kabuli_chr06	10170644	TT	AA	1940353432
SNP_P1_109226_10171100	NC_021165.1	Ca_kabuli_chr06	10171100	AA	GG	1940353434
SNP_P1_109227_10171433	NC_021165.1	Ca_kabuli_chr06	10171433	TT	CC	1940353435
SNP_P1_109228_10172380	NC_021165.1	Ca_kabuli_chr06	10172380	CC	TT	1940353437
SNP_P1_109229_10172808	NC_021165.1	Ca_kabuli_chr06	10172808	AA	CC	1940353439
SNP_P1_109230_10173095	NC_021165.1	Ca_kabuli_chr06	10173095	TT	AA	1940353441
SNP_P1_109231_10173117	NC_021165.1	Ca_kabuli_chr06	10173117	CC	TT	1940353442
SNP_P1_109232_10173118	NC_021165.1	Ca_kabuli_chr06	10173118	TT	CC	1940353444
SNP_P1_109233_10173598	NC_021165.1	Ca_kabuli_chr06	10173598	AA	GG	1940353446
SNP_P1_109234_10173913	NC_021165.1	Ca_kabuli_chr06	10173913	CC	AA	1940353448
SNP_P1_109235_10174084	NC_021165.1	Ca_kabuli_chr06	10174084	AA	CC	1940353449
SNP_P1_109236_10174663	NC_021165.1	Ca_kabuli_chr06	10174663	GG	AA	1940353451
SNP_P1_109237_10174972	NC_021165.1	Ca_kabuli_chr06	10174972	AA	TT	1940353453
SNP_P1_109239_10175012	NC_021165.1	Ca_kabuli_chr06	10175012	GG	AA	1940353455
SNP_P1_109240_10175527	NC_021165.1	Ca_kabuli_chr06	10175527	AA	TT	1940353456
SNP_P1_109241_10175723	NC_021165.1	Ca_kabuli_chr06	10175723	AA	TT	1940353458
SNP_P1_109243_10176580	NC_021165.1	Ca_kabuli_chr06	10176580	TT	GG	1940353460
SNP_P1_109244_10176854	NC_021165.1	Ca_kabuli_chr06	10176854	CC	TT	1940353461
SNP_P1_109245_10178112	NC_021165.1	Ca_kabuli_chr06	10178112	TT	CC	1940353463
SNP_P1_109247_10178656	NC_021165.1	Ca_kabuli_chr06	10178656	GG	AA	1940353465
SNP_P1_109248_10178664	NC_021165.1	Ca_kabuli_chr06	10178664	TT	CC	1940353467
SNP_P1_109250_10179207	NC_021165.1	Ca_kabuli_chr06	10179207	AA	GG	1940353468
SNP_P1_109251_10179208	NC_021165.1	Ca_kabuli_chr06	10179208	TT	CC	1940353470
SNP_P1_109252_10179212	NC_021165.1	Ca_kabuli_chr06	10179212	AA	GG	1940353472
SNP_P1_109253_10179669	NC_021165.1	Ca_kabuli_chr06	10179669	AA	GG	1940353474
SNP_P1_109254_10179672	NC_021165.1	Ca_kabuli_chr06	10179672	AA	GG	1940353475
SNP_P1_109256_10180542	NC_021165.1	Ca_kabuli_chr06	10180542	TT	AA	1940353477
SNP_P1_109257_10180797	NC_021165.1	Ca_kabuli_chr06	10180797	CC	TT	1940353479
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SNP_P1_109259_10181129	NC_021165.1	Ca_kabuli_chr06	10181129	TT	CC	1940353482
SNP_P1_109260_10181142	NC_021165.1	Ca_kabuli_chr06	10181142	GG	CC	1940353484
SNP_P1_109261_10181345	NC_021165.1	Ca_kabuli_chr06	10181345	GG	TT	1940353486
SNP_P1_109262_10181375	NC_021165.1	Ca_kabuli_chr06	10181375	GG	AA	1940353488
SNP_P1_109264_10181638	NC_021165.1	Ca_kabuli_chr06	10181638	TT	GG	1940353489
SNP_P1_109265_10181645	NC_021165.1	Ca_kabuli_chr06	10181645	TT	CC	1940353491
SNP_P1_109266_10183806	NC_021165.1	Ca_kabuli_chr06	10183806	TT	GG	1940353493
SNP_P1_109267_10183812	NC_021165.1	Ca_kabuli_chr06	10183812	CC	TT	1940353494
SNP_P1_109268_10183829	NC_021165.1	Ca_kabuli_chr06	10183829	AA	GG	1940353496
SNP_P1_109269_10184183	NC_021165.1	Ca_kabuli_chr06	10184183	AA	GG	1940353498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109271_10184418	NC_021165.1	Ca_kabuli_chr06	10184418	CC	TT	1940353501
SNP_P1_109272_10184426	NC_021165.1	Ca_kabuli_chr06	10184426	GG	AA	1940353503
SNP_P1_109273_10184521	NC_021165.1	Ca_kabuli_chr06	10184521	GG	AA	1940353505
SNP_P1_109274_10184547	NC_021165.1	Ca_kabuli_chr06	10184547	GG	TT	1940353507
SNP_P1_109275_10184568	NC_021165.1	Ca_kabuli_chr06	10184568	TT	CC	1940353508
SNP_P1_109276_10184597	NC_021165.1	Ca_kabuli_chr06	10184597	CC	TT	1940353510
SNP_P1_109278_10184736	NC_021165.1	Ca_kabuli_chr06	10184736	AA	GG	1940353512
SNP_P1_109279_10184738	NC_021165.1	Ca_kabuli_chr06	10184738	CC	GG	1940353514
SNP_P1_109280_10184774	NC_021165.1	Ca_kabuli_chr06	10184774	GG	CC	1940353515
SNP_P1_109281_10184998	NC_021165.1	Ca_kabuli_chr06	10184998	AA	GG	1940353517
SNP_P1_109282_10185397	NC_021165.1	Ca_kabuli_chr06	10185397	AA	GG	1940353519
SNP_P1_109284_10185472	NC_021165.1	Ca_kabuli_chr06	10185472	CC	AA	1940353521
SNP_P1_109285_10185486	NC_021165.1	Ca_kabuli_chr06	10185486	TT	GG	1940353522
SNP_P1_109286_10185525	NC_021165.1	Ca_kabuli_chr06	10185525	CC	TT	1940353524
SNP_P1_109287_10186123	NC_021165.1	Ca_kabuli_chr06	10186123	CC	TT	1940353526
SNP_P1_109288_10186132	NC_021165.1	Ca_kabuli_chr06	10186132	CC	TT	1940353528
SNP_P1_109289_10186178	NC_021165.1	Ca_kabuli_chr06	10186178	TT	CC	1940353529
SNP_P1_109290_10186445	NC_021165.1	Ca_kabuli_chr06	10186445	CC	TT	1940353531
SNP_P1_109291_10186457	NC_021165.1	Ca_kabuli_chr06	10186457	AA	TT	1940353533
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SNP_P1_109294_10188778	NC_021165.1	Ca_kabuli_chr06	10188778	TT	GG	1940353538
SNP_P1_109295_10188837	NC_021165.1	Ca_kabuli_chr06	10188837	GG	AA	1940353540
SNP_P1_109296_10188880	NC_021165.1	Ca_kabuli_chr06	10188880	CC	TT	1940353541
SNP_P1_109297_10189196	NC_021165.1	Ca_kabuli_chr06	10189196	TT	AA	1940353543
SNP_P1_109298_10189202	NC_021165.1	Ca_kabuli_chr06	10189202	GG	TT	1940353545
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SNP_P1_109300_10189511	NC_021165.1	Ca_kabuli_chr06	10189511	TT	AA	1940353548
SNP_P1_109301_10189529	NC_021165.1	Ca_kabuli_chr06	10189529	AA	GG	1940353550
SNP_P1_109302_10189538	NC_021165.1	Ca_kabuli_chr06	10189538	CC	GG	1940353552
SNP_P1_109303_10190560	NC_021165.1	Ca_kabuli_chr06	10190560	TT	CC	1940353554
SNP_P1_109304_10190572	NC_021165.1	Ca_kabuli_chr06	10190572	TT	GG	1940353555
SNP_P1_109305_10190573	NC_021165.1	Ca_kabuli_chr06	10190573	GG	TT	1940353557
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SNP_P1_109310_10190602	NC_021165.1	Ca_kabuli_chr06	10190602	TT	GG	1940353566
SNP_P1_109312_10190981	NC_021165.1	Ca_kabuli_chr06	10190981	TT	AA	1940353567
SNP_P1_109313_10191685	NC_021165.1	Ca_kabuli_chr06	10191685	CC	TT	1940353569
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109316_10191859	NC_021165.1	Ca_kabuli_chr06	10191859	CC	AA	1940353574
SNP_P1_109317_10192247	NC_021165.1	Ca_kabuli_chr06	10192247	GG	AA	1940353576
SNP_P1_109318_10192296	NC_021165.1	Ca_kabuli_chr06	10192296	TT	GG	1940353578
SNP_P1_109319_10192621	NC_021165.1	Ca_kabuli_chr06	10192621	CC	TT	1940353580
SNP_P1_109320_10192683	NC_021165.1	Ca_kabuli_chr06	10192683	AA	GG	1940353581
SNP_P1_109321_10192705	NC_021165.1	Ca_kabuli_chr06	10192705	GG	AA	1940353583
SNP_P1_109322_10192711	NC_021165.1	Ca_kabuli_chr06	10192711	AA	GG	1940353585
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SNP_P1_109324_10195222	NC_021165.1	Ca_kabuli_chr06	10195222	CC	TT	1940353588
SNP_P1_109325_10195402	NC_021165.1	Ca_kabuli_chr06	10195402	CC	TT	1940353590
SNP_P1_109326_10195554	NC_021165.1	Ca_kabuli_chr06	10195554	GG	AA	1940353592
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SNP_P1_109330_10195870	NC_021165.1	Ca_kabuli_chr06	10195870	AA	TT	1940353599
SNP_P1_109331_10195935	NC_021165.1	Ca_kabuli_chr06	10195935	AA	GG	1940353600
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SNP_P1_109341_10196175	NC_021165.1	Ca_kabuli_chr06	10196175	TT	CC	1940353618
SNP_P1_109342_10196849	NC_021165.1	Ca_kabuli_chr06	10196849	AA	GG	1940353619
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SNP_P1_109346_10197074	NC_021165.1	Ca_kabuli_chr06	10197074	CC	TT	1940353623
SNP_P1_109347_10197272	NC_021165.1	Ca_kabuli_chr06	10197272	TT	GG	1940353625
SNP_P1_109348_10197550	NC_021165.1	Ca_kabuli_chr06	10197550	TT	CC	1940353626
SNP_P1_109349_10198806	NC_021165.1	Ca_kabuli_chr06	10198806	CC	TT	1940353628
SNP_P1_109350_10198851	NC_021165.1	Ca_kabuli_chr06	10198851	CC	AA	1940353630
SNP_P1_109352_10199206	NC_021165.1	Ca_kabuli_chr06	10199206	TT	CC	1940353632
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SNP_P1_109354_10199443	NC_021165.1	Ca_kabuli_chr06	10199443	AA	GG	1940353635
SNP_P1_109355_10199567	NC_021165.1	Ca_kabuli_chr06	10199567	GG	AA	1940353637
SNP_P1_109356_10200208	NC_021165.1	Ca_kabuli_chr06	10200208	GG	AA	1940353639
SNP_P1_109357_10200220	NC_021165.1	Ca_kabuli_chr06	10200220	TT	AA	1940353640
SNP_P1_109358_10200245	NC_021165.1	Ca_kabuli_chr06	10200245	GG	TT	1940353642
SNP_P1_109359_10200262	NC_021165.1	Ca_kabuli_chr06	10200262	CC	TT	1940353644

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109363_10200699	NC_021165.1	Ca_kabuli_chr06	10200699	TT	GG	1940353649
SNP_P1_109364_10201248	NC_021165.1	Ca_kabuli_chr06	10201248	GG	AA	1940353651
SNP_P1_109365_10201659	NC_021165.1	Ca_kabuli_chr06	10201659	AA	GG	1940353652
SNP_P1_109366_10202083	NC_021165.1	Ca_kabuli_chr06	10202083	TT	CC	1940353654
SNP_P1_109367_10204349	NC_021165.1	Ca_kabuli_chr06	10204349	TT	CC	1940353656
SNP_P1_109368_10204353	NC_021165.1	Ca_kabuli_chr06	10204353	TT	CC	1940353658
SNP_P1_109369_10204416	NC_021165.1	Ca_kabuli_chr06	10204416	CC	TT	1940353659
SNP_P1_109371_10205440	NC_021165.1	Ca_kabuli_chr06	10205440	TT	CC	1940353661
SNP_P1_109372_10205520	NC_021165.1	Ca_kabuli_chr06	10205520	AA	GG	1940353663
SNP_P1_109373_10205644	NC_021165.1	Ca_kabuli_chr06	10205644	GG	AA	1940353665
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SNP_P1_109378_10205785	NC_021165.1	Ca_kabuli_chr06	10205785	AA	GG	1940353673
SNP_P1_109379_10206029	NC_021165.1	Ca_kabuli_chr06	10206029	AA	GG	1940353675
SNP_P1_109380_10206066	NC_021165.1	Ca_kabuli_chr06	10206066	AA	GG	1940353677
SNP_P1_109381_10206335	NC_021165.1	Ca_kabuli_chr06	10206335	GG	AA	1940353678
SNP_P1_109382_10206996	NC_021165.1	Ca_kabuli_chr06	10206996	GG	TT	1940353680
SNP_P1_109383_10207299	NC_021165.1	Ca_kabuli_chr06	10207299	TT	CC	1940353682
SNP_P1_109384_10207309	NC_021165.1	Ca_kabuli_chr06	10207309	CC	TT	1940353684
SNP_P1_109385_10207317	NC_021165.1	Ca_kabuli_chr06	10207317	CC	TT	1940353685
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SNP_P1_109387_10207366	NC_021165.1	Ca_kabuli_chr06	10207366	GG	TT	1940353689
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SNP_P1_109389_10207596	NC_021165.1	Ca_kabuli_chr06	10207596	AA	TT	1940353692
SNP_P1_109390_10207683	NC_021165.1	Ca_kabuli_chr06	10207683	CC	AA	1940353694
SNP_P1_109391_10207731	NC_021165.1	Ca_kabuli_chr06	10207731	CC	GG	1940353696
SNP_P1_109392_10207989	NC_021165.1	Ca_kabuli_chr06	10207989	TT	AA	1940353698
SNP_P1_109393_10208077	NC_021165.1	Ca_kabuli_chr06	10208077	GG	TT	1940353699
SNP_P1_109394_10208135	NC_021165.1	Ca_kabuli_chr06	10208135	CC	TT	1940353701
SNP_P1_109395_10208182	NC_021165.1	Ca_kabuli_chr06	10208182	AA	GG	1940353703
SNP_P1_109396_10208200	NC_021165.1	Ca_kabuli_chr06	10208200	AA	GG	1940353705
SNP_P1_109397_10208211	NC_021165.1	Ca_kabuli_chr06	10208211	GG	AA	1940353706
SNP_P1_109398_10208308	NC_021165.1	Ca_kabuli_chr06	10208308	TT	CC	1940353708
SNP_P1_109399_10208336	NC_021165.1	Ca_kabuli_chr06	10208336	TT	GG	1940353710
SNP_P1_109401_10208632	NC_021165.1	Ca_kabuli_chr06	10208632	CC	TT	1940353711
SNP_P1_109402_10208942	NC_021165.1	Ca_kabuli_chr06	10208942	TT	CC	1940353713
SNP_P1_109403_10209025	NC_021165.1	Ca_kabuli_chr06	10209025	GG	AA	1940353715
SNP_P1_109404_10209209	NC_021165.1	Ca_kabuli_chr06	10209209	TT	CC	1940353717

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109406_10209232	NC_021165.1	Ca_kabuli_chr06	10209232	TT	AA	1940353720
SNP_P1_109407_10209404	NC_021165.1	Ca_kabuli_chr06	10209404	AA	TT	1940353722
SNP_P1_109408_10209473	NC_021165.1	Ca_kabuli_chr06	10209473	GG	AA	1940353724
SNP_P1_109409_10209663	NC_021165.1	Ca_kabuli_chr06	10209663	GG	TT	1940353725
SNP_P1_109410_10209703	NC_021165.1	Ca_kabuli_chr06	10209703	TT	CC	1940353727
SNP_P1_109413_10209927	NC_021165.1	Ca_kabuli_chr06	10209927	GG	TT	1940353729
SNP_P1_109414_10209993	NC_021165.1	Ca_kabuli_chr06	10209993	TT	CC	1940353731
SNP_P1_109416_10210478	NC_021165.1	Ca_kabuli_chr06	10210478	AA	CC	1940353732
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SNP_P1_109418_10211064	NC_021165.1	Ca_kabuli_chr06	10211064	TT	CC	1940353736
SNP_P1_109419_10211718	NC_021165.1	Ca_kabuli_chr06	10211718	TT	CC	1940353738
SNP_P1_109420_10212188	NC_021165.1	Ca_kabuli_chr06	10212188	AA	GG	1940353739
SNP_P1_109421_10214103	NC_021165.1	Ca_kabuli_chr06	10214103	GG	AA	1940353741
SNP_P1_109422_10214338	NC_021165.1	Ca_kabuli_chr06	10214338	AA	TT	1940353743
SNP_P1_109423_10214347	NC_021165.1	Ca_kabuli_chr06	10214347	TT	AA	1940353745
SNP_P1_109424_10214649	NC_021165.1	Ca_kabuli_chr06	10214649	TT	AA	1940353746
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SNP_P1_109426_10217301	NC_021165.1	Ca_kabuli_chr06	10217301	AA	GG	1940353750
SNP_P1_109427_10217346	NC_021165.1	Ca_kabuli_chr06	10217346	AA	GG	1940353751
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SNP_P1_109429_10217354	NC_021165.1	Ca_kabuli_chr06	10217354	TT	AA	1940353755
SNP_P1_109430_10217363	NC_021165.1	Ca_kabuli_chr06	10217363	CC	GG	1940353757
SNP_P1_109431_10217364	NC_021165.1	Ca_kabuli_chr06	10217364	GG	AA	1940353758
SNP_P1_109432_10217366	NC_021165.1	Ca_kabuli_chr06	10217366	CC	AA	1940353760
SNP_P1_109433_10217369	NC_021165.1	Ca_kabuli_chr06	10217369	TT	CC	1940353762
SNP_P1_109434_10217370	NC_021165.1	Ca_kabuli_chr06	10217370	AA	GG	1940353764
SNP_P1_109435_10217371	NC_021165.1	Ca_kabuli_chr06	10217371	AA	GG	1940353765
SNP_P1_109436_10217404	NC_021165.1	Ca_kabuli_chr06	10217404	GG	CC	1940353767
SNP_P1_109437_10217406	NC_021165.1	Ca_kabuli_chr06	10217406	GG	AA	1940353769
SNP_P1_109438_10217419	NC_021165.1	Ca_kabuli_chr06	10217419	AA	TT	1940353771
SNP_P1_109439_10217907	NC_021165.1	Ca_kabuli_chr06	10217907	CC	GG	1940353772
SNP_P1_109440_10218341	NC_021165.1	Ca_kabuli_chr06	10218341	TT	GG	1940353774
SNP_P1_109442_10218580	NC_021165.1	Ca_kabuli_chr06	10218580	CC	GG	1940353776
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SNP_P1_109444_10218865	NC_021165.1	Ca_kabuli_chr06	10218865	GG	AA	1940353779
SNP_P1_109445_10219076	NC_021165.1	Ca_kabuli_chr06	10219076	AA	GG	1940353781
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SNP_P1_109449_10220112	NC_021165.1	Ca_kabuli_chr06	10220112	CC	AA	1940353788
SNP_P1_109450_10221123	NC_021165.1	Ca_kabuli_chr06	10221123	TT	CC	1940353790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109453_10223067	NC_021165.1	Ca_kabuli_chr06	10223067	AA	GG	1940353795
SNP_P1_109454_10223082	NC_021165.1	Ca_kabuli_chr06	10223082	AA	GG	1940353797
SNP_P1_109455_10224182	NC_021165.1	Ca_kabuli_chr06	10224182	GG	AA	1940353798
SNP_P1_109457_10224643	NC_021165.1	Ca_kabuli_chr06	10224643	AA	GG	1940353800
SNP_P1_109459_10224942	NC_021165.1	Ca_kabuli_chr06	10224942	TT	GG	1940353802
SNP_P1_109460_10224976	NC_021165.1	Ca_kabuli_chr06	10224976	TT	AA	1940353804
SNP_P1_109461_10225517	NC_021165.1	Ca_kabuli_chr06	10225517	GG	AA	1940353805
SNP_P1_109462_10225528	NC_021165.1	Ca_kabuli_chr06	10225528	AA	GG	1940353807
SNP_P1_109463_10225992	NC_021165.1	Ca_kabuli_chr06	10225992	CC	TT	1940353809
SNP_P1_109464_10226653	NC_021165.1	Ca_kabuli_chr06	10226653	TT	CC	1940353811
SNP_P1_109465_10226669	NC_021165.1	Ca_kabuli_chr06	10226669	GG	AA	1940353812
SNP_P1_109466_10226754	NC_021165.1	Ca_kabuli_chr06	10226754	GG	AA	1940353814
SNP_P1_109467_10227586	NC_021165.1	Ca_kabuli_chr06	10227586	GG	TT	1940353816
SNP_P1_109469_10230309	NC_021165.1	Ca_kabuli_chr06	10230309	AA	GG	1940353818
SNP_P1_109470_10230314	NC_021165.1	Ca_kabuli_chr06	10230314	AA	GG	1940353819
SNP_P1_109471_10232759	NC_021165.1	Ca_kabuli_chr06	10232759	GG	TT	1940353821
SNP_P1_109472_10232790	NC_021165.1	Ca_kabuli_chr06	10232790	AA	TT	1940353823
SNP_P1_109473_10234394	NC_021165.1	Ca_kabuli_chr06	10234394	TT	AA	1940353824
SNP_P1_109474_10235064	NC_021165.1	Ca_kabuli_chr06	10235064	CC	TT	1940353826
SNP_P1_109475_10238424	NC_021165.1	Ca_kabuli_chr06	10238424	GG	AA	1940353828
SNP_P1_109476_10238434	NC_021165.1	Ca_kabuli_chr06	10238434	GG	AA	1940353830
SNP_P1_109477_10238458	NC_021165.1	Ca_kabuli_chr06	10238458	CC	TT	1940353831
SNP_P1_109478_10238459	NC_021165.1	Ca_kabuli_chr06	10238459	GG	AA	1940353833
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SNP_P1_109481_10238648	NC_021165.1	Ca_kabuli_chr06	10238648	AA	GG	1940353838
SNP_P1_109482_10238743	NC_021165.1	Ca_kabuli_chr06	10238743	GG	AA	1940353840
SNP_P1_109483_10239298	NC_021165.1	Ca_kabuli_chr06	10239298	TT	CC	1940353842
SNP_P1_109484_10239589	NC_021165.1	Ca_kabuli_chr06	10239589	TT	CC	1940353844
SNP_P1_109485_10239599	NC_021165.1	Ca_kabuli_chr06	10239599	AA	GG	1940353845
SNP_P1_109486_10239623	NC_021165.1	Ca_kabuli_chr06	10239623	GG	AA	1940353847
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SNP_P1_109490_10241464	NC_021165.1	Ca_kabuli_chr06	10241464	TT	GG	1940353850
SNP_P1_109491_10241500	NC_021165.1	Ca_kabuli_chr06	10241500	TT	CC	1940353852
SNP_P1_109492_10241578	NC_021165.1	Ca_kabuli_chr06	10241578	TT	CC	1940353854
SNP_P1_109493_10241625	NC_021165.1	Ca_kabuli_chr06	10241625	TT	AA	1940353856
SNP_P1_109494_10241741	NC_021165.1	Ca_kabuli_chr06	10241741	TT	CC	1940353857
SNP_P1_109495_10241746	NC_021165.1	Ca_kabuli_chr06	10241746	AA	TT	1940353859
SNP_P1_109496_10241753	NC_021165.1	Ca_kabuli_chr06	10241753	GG	AA	1940353861
SNP_P1_109497_10241784	NC_021165.1	Ca_kabuli_chr06	10241784	CC	TT	1940353863

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109500_10241882	NC_021165.1	Ca_kabuli_chr06	10241882	TT	GG	1940353868
SNP_P1_109501_10241887	NC_021165.1	Ca_kabuli_chr06	10241887	TT	AA	1940353870
SNP_P1_109502_10241888	NC_021165.1	Ca_kabuli_chr06	10241888	TT	AA	1940353871
SNP_P1_109503_10241890	NC_021165.1	Ca_kabuli_chr06	10241890	CC	TT	1940353873
SNP_P1_109504_10241896	NC_021165.1	Ca_kabuli_chr06	10241896	AA	TT	1940353875
SNP_P1_109505_10241965	NC_021165.1	Ca_kabuli_chr06	10241965	CC	GG	1940353877
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SNP_P1_109510_10242259	NC_021165.1	Ca_kabuli_chr06	10242259	GG	TT	1940353885
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SNP_P1_109512_10242277	NC_021165.1	Ca_kabuli_chr06	10242277	TT	CC	1940353889
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SNP_P1_109514_10243029	NC_021165.1	Ca_kabuli_chr06	10243029	AA	GG	1940353892
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SNP_P1_109516_10243080	NC_021165.1	Ca_kabuli_chr06	10243080	GG	TT	1940353896
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SNP_P1_109520_10245250	NC_021165.1	Ca_kabuli_chr06	10245250	TT	CC	1940353903
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SNP_P1_109530_10249869	NC_021165.1	Ca_kabuli_chr06	10249869	TT	AA	1940353920
SNP_P1_109531_10250584	NC_021165.1	Ca_kabuli_chr06	10250584	CC	TT	1940353922
SNP_P1_109533_10250800	NC_021165.1	Ca_kabuli_chr06	10250800	CC	TT	1940353923
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SNP_P1_109536_10251095	NC_021165.1	Ca_kabuli_chr06	10251095	CC	GG	1940353927
SNP_P1_109537_10251147	NC_021165.1	Ca_kabuli_chr06	10251147	CC	TT	1940353929
SNP_P1_109538_10251448	NC_021165.1	Ca_kabuli_chr06	10251448	AA	TT	1940353930
SNP_P1_109540_10251559	NC_021165.1	Ca_kabuli_chr06	10251559	GG	AA	1940353932
SNP_P1_109542_10251663	NC_021165.1	Ca_kabuli_chr06	10251663	GG	TT	1940353934
SNP_P1_109543_10251770	NC_021165.1	Ca_kabuli_chr06	10251770	CC	GG	1940353936

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109547_10253422	NC_021165.1	Ca_kabuli_chr06	10253422	GG	CC	1940353941
SNP_P1_109548_10254442	NC_021165.1	Ca_kabuli_chr06	10254442	TT	AA	1940353942
SNP_P1_109549_10254510	NC_021165.1	Ca_kabuli_chr06	10254510	CC	TT	1940353944
SNP_P1_109550_10255310	NC_021165.1	Ca_kabuli_chr06	10255310	TT	CC	1940353946
SNP_P1_109551_10255336	NC_021165.1	Ca_kabuli_chr06	10255336	CC	TT	1940353948
SNP_P1_109552_10255340	NC_021165.1	Ca_kabuli_chr06	10255340	TT	CC	1940353949
SNP_P1_109553_10255372	NC_021165.1	Ca_kabuli_chr06	10255372	GG	AA	1940353951
SNP_P1_109554_10255376	NC_021165.1	Ca_kabuli_chr06	10255376	TT	CC	1940353953
SNP_P1_109555_10255412	NC_021165.1	Ca_kabuli_chr06	10255412	TT	CC	1940353955
SNP_P1_109556_10255426	NC_021165.1	Ca_kabuli_chr06	10255426	TT	AA	1940353956
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SNP_P1_109560_10257391	NC_021165.1	Ca_kabuli_chr06	10257391	TT	AA	1940353963
SNP_P1_109561_10257581	NC_021165.1	Ca_kabuli_chr06	10257581	AA	GG	1940353965
SNP_P1_109562_10257593	NC_021165.1	Ca_kabuli_chr06	10257593	TT	AA	1940353967
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SNP_P1_109566_10258749	NC_021165.1	Ca_kabuli_chr06	10258749	CC	AA	1940353970
SNP_P1_109567_10259074	NC_021165.1	Ca_kabuli_chr06	10259074	TT	CC	1940353972
SNP_P1_109569_10259467	NC_021165.1	Ca_kabuli_chr06	10259467	CC	AA	1940353974
SNP_P1_109570_10259717	NC_021165.1	Ca_kabuli_chr06	10259717	GG	AA	1940353976
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SNP_P1_109573_10263769	NC_021165.1	Ca_kabuli_chr06	10263769	GG	AA	1940353981
SNP_P1_109574_10263777	NC_021165.1	Ca_kabuli_chr06	10263777	AA	GG	1940353983
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SNP_P1_109576_10263831	NC_021165.1	Ca_kabuli_chr06	10263831	CC	TT	1940353986
SNP_P1_109577_10264404	NC_021165.1	Ca_kabuli_chr06	10264404	AA	GG	1940353988
SNP_P1_109578_10264573	NC_021165.1	Ca_kabuli_chr06	10264573	CC	TT	1940353989
SNP_P1_109579_10264576	NC_021165.1	Ca_kabuli_chr06	10264576	CC	TT	1940353991
SNP_P1_109580_10264579	NC_021165.1	Ca_kabuli_chr06	10264579	AA	GG	1940353993
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SNP_P1_109582_10264800	NC_021165.1	Ca_kabuli_chr06	10264800	AA	GG	1940353996
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SNP_P1_109588_10266013	NC_021165.1	Ca_kabuli_chr06	10266013	AA	GG	1940354003
SNP_P1_109589_10266332	NC_021165.1	Ca_kabuli_chr06	10266332	TT	CC	1940354005
SNP_P1_109590_10267336	NC_021165.1	Ca_kabuli_chr06	10267336	TT	CC	1940354007
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109594_10270322	NC_021165.1	Ca_kabuli_chr06	10270322	CC	TT	1940354014
SNP_P1_109595_10270384	NC_021165.1	Ca_kabuli_chr06	10270384	CC	TT	1940354015
SNP_P1_109596_10270478	NC_021165.1	Ca_kabuli_chr06	10270478	AA	CC	1940354017
SNP_P1_109597_10272203	NC_021165.1	Ca_kabuli_chr06	10272203	TT	AA	1940354019
SNP_P1_109599_10272469	NC_021165.1	Ca_kabuli_chr06	10272469	AA	GG	1940354021
SNP_P1_109600_10272742	NC_021165.1	Ca_kabuli_chr06	10272742	CC	GG	1940354022
SNP_P1_109601_10272764	NC_021165.1	Ca_kabuli_chr06	10272764	CC	TT	1940354024
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SNP_P1_109603_10273739	NC_021165.1	Ca_kabuli_chr06	10273739	CC	TT	1940354027
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SNP_P1_109608_10275012	NC_021165.1	Ca_kabuli_chr06	10275012	GG	AA	1940354034
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SNP_P1_109618_10276589	NC_021165.1	Ca_kabuli_chr06	10276589	CC	AA	1940354048
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SNP_P1_109622_10278001	NC_021165.1	Ca_kabuli_chr06	10278001	TT	AA	1940354055
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SNP_P1_109624_10278547	NC_021165.1	Ca_kabuli_chr06	10278547	AA	GG	1940354059
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SNP_P1_109636_10281918	NC_021165.1	Ca_kabuli_chr06	10281918	TT	CC	1940354078
SNP_P1_109637_10281924	NC_021165.1	Ca_kabuli_chr06	10281924	AA	GG	1940354080
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109642_10283703	NC_021165.1	Ca_kabuli_chr06	10283703	TT	CC	1940354088
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SNP_P1_109646_10283816	NC_021165.1	Ca_kabuli_chr06	10283816	TT	GG	1940354094
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SNP_P1_109648_10284184	NC_021165.1	Ca_kabuli_chr06	10284184	CC	TT	1940354097
SNP_P1_109649_10284532	NC_021165.1	Ca_kabuli_chr06	10284532	GG	TT	1940354099
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SNP_P1_109653_10285601	NC_021165.1	Ca_kabuli_chr06	10285601	GG	CC	1940354104
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SNP_P1_109664_10297726	NC_021165.1	Ca_kabuli_chr06	10297726	TT	CC	1940354121
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SNP_P1_109670_10300861	NC_021165.1	Ca_kabuli_chr06	10300861	TT	CC	1940354132
SNP_P1_109671_10301051	NC_021165.1	Ca_kabuli_chr06	10301051	TT	GG	1940354133
SNP_P1_109672_10304306	NC_021165.1	Ca_kabuli_chr06	10304306	TT	CC	1940354135
SNP_P1_109674_10304535	NC_021165.1	Ca_kabuli_chr06	10304535	AA	GG	1940354137
SNP_P1_109675_10304694	NC_021165.1	Ca_kabuli_chr06	10304694	AA	TT	1940354139
SNP_P1_109676_10304703	NC_021165.1	Ca_kabuli_chr06	10304703	CC	TT	1940354140
SNP_P1_109677_10305916	NC_021165.1	Ca_kabuli_chr06	10305916	GG	TT	1940354142
SNP_P1_109678_10306222	NC_021165.1	Ca_kabuli_chr06	10306222	AA	TT	1940354144
SNP_P1_109679_10306712	NC_021165.1	Ca_kabuli_chr06	10306712	AA	TT	1940354146
SNP_P1_109680_10306717	NC_021165.1	Ca_kabuli_chr06	10306717	CC	TT	1940354147
SNP_P1_109682_10306850	NC_021165.1	Ca_kabuli_chr06	10306850	TT	GG	1940354149
SNP_P1_109683_10307075	NC_021165.1	Ca_kabuli_chr06	10307075	AA	TT	1940354151
SNP_P1_109684_10307113	NC_021165.1	Ca_kabuli_chr06	10307113	GG	TT	1940354153
SNP_P1_109685_10307296	NC_021165.1	Ca_kabuli_chr06	10307296	TT	CC	1940354154

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_109686_10307655	NC_021165.1	Ca_kabuli_chr06	10307655	TT	AA	1940354156
SNP_P1_109687_10307685	NC_021165.1	Ca_kabuli_chr06	10307685	CC	TT	1940354158
SNP_P1_109688_10307944	NC_021165.1	Ca_kabuli_chr06	10307944	AA	GG	1940354159
SNP_P1_109689_10308070	NC_021165.1	Ca_kabuli_chr06	10308070	AA	GG	1940354161
SNP_P1_109690_10308972	NC_021165.1	Ca_kabuli_chr06	10308972	AA	GG	1940354163
SNP_P1_109691_10308985	NC_021165.1	Ca_kabuli_chr06	10308985	CC	GG	1940354165
SNP_P1_109693_10309150	NC_021165.1	Ca_kabuli_chr06	10309150	GG	AA	1940354166
SNP_P1_109694_10309215	NC_021165.1	Ca_kabuli_chr06	10309215	CC	GG	1940354168
SNP_P1_109697_10310729	NC_021165.1	Ca_kabuli_chr06	10310729	AA	CC	1940354170
SNP_P1_109698_10310805	NC_021165.1	Ca_kabuli_chr06	10310805	TT	CC	1940354172
SNP_P1_109699_10310825	NC_021165.1	Ca_kabuli_chr06	10310825	GG	AA	1940354173
SNP_P1_109701_10316092	NC_021165.1	Ca_kabuli_chr06	10316092	TT	CC	1940354175
SNP_P1_109702_10316108	NC_021165.1	Ca_kabuli_chr06	10316108	AA	GG	1940354177
SNP_P1_109703_10316129	NC_021165.1	Ca_kabuli_chr06	10316129	TT	CC	1940354179
SNP_P1_109704_10316306	NC_021165.1	Ca_kabuli_chr06	10316306	TT	AA	1940354180
SNP_P1_109705_10316319	NC_021165.1	Ca_kabuli_chr06	10316319	GG	TT	1940354182
SNP_P1_109706_10316356	NC_021165.1	Ca_kabuli_chr06	10316356	TT	CC	1940354184
SNP_P1_109707_10316369	NC_021165.1	Ca_kabuli_chr06	10316369	TT	CC	1940354186
SNP_P1_109708_10316397	NC_021165.1	Ca_kabuli_chr06	10316397	AA	GG	1940354187
SNP_P1_109709_10316655	NC_021165.1	Ca_kabuli_chr06	10316655	CC	TT	1940354189
SNP_P1_109713_10317653	NC_021165.1	Ca_kabuli_chr06	10317653	TT	CC	1940354191
SNP_P1_109714_10317808	NC_021165.1	Ca_kabuli_chr06	10317808	TT	GG	1940354193
SNP_P1_109715_10317838	NC_021165.1	Ca_kabuli_chr06	10317838	GG	TT	1940354194
SNP_P1_109716_10317931	NC_021165.1	Ca_kabuli_chr06	10317931	AA	TT	1940354196
SNP_P1_109718_10318263	NC_021165.1	Ca_kabuli_chr06	10318263	CC	AA	1940354198
SNP_P1_109719_10318315	NC_021165.1	Ca_kabuli_chr06	10318315	TT	CC	1940354200
SNP_P1_109720_10318713	NC_021165.1	Ca_kabuli_chr06	10318713	AA	CC	1940354201
SNP_P1_109721_10318714	NC_021165.1	Ca_kabuli_chr06	10318714	CC	AA	1940354203
SNP_P1_109723_10318988	NC_021165.1	Ca_kabuli_chr06	10318988	GG	AA	1940354205
SNP_P1_109724_10319132	NC_021165.1	Ca_kabuli_chr06	10319132	CC	GG	1940354206
SNP_P1_109726_10321862	NC_021165.1	Ca_kabuli_chr06	10321862	TT	CC	1940354208
SNP_P1_109727_10321883	NC_021165.1	Ca_kabuli_chr06	10321883	AA	GG	1940354210
SNP_P1_109728_10321933	NC_021165.1	Ca_kabuli_chr06	10321933	CC	TT	1940354212
SNP_P1_109729_10322933	NC_021165.1	Ca_kabuli_chr06	10322933	GG	AA	1940354213
SNP_P1_109730_10322949	NC_021165.1	Ca_kabuli_chr06	10322949	GG	AA	1940354215
SNP_P1_109732_10325192	NC_021165.1	Ca_kabuli_chr06	10325192	GG	AA	1940354217
SNP_P1_109734_10325282	NC_021165.1	Ca_kabuli_chr06	10325282	GG	TT	1940354219
SNP_P1_109735_10325297	NC_021165.1	Ca_kabuli_chr06	10325297	CC	GG	1940354220
SNP_P1_109736_10325309	NC_021165.1	Ca_kabuli_chr06	10325309	CC	TT	1940354222
SNP_P1_109737_10325927	NC_021165.1	Ca_kabuli_chr06	10325927	GG	AA	1940354224
SNP_P1_109738_10327127	NC_021165.1	Ca_kabuli_chr06	10327127	CC	TT	1940354226
SNP_P1_109739_10328333	NC_021165.1	Ca_kabuli_chr06	10328333	TT	AA	1940354227

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109741_10329800	NC_021165.1	Ca_kabuli_chr06	10329800	AA	CC	1940354231
SNP_P1_109743_10331423	NC_021165.1	Ca_kabuli_chr06	10331423	CC	TT	1940354233
SNP_P1_109744_10332013	NC_021165.1	Ca_kabuli_chr06	10332013	GG	AA	1940354234
SNP_P1_109745_10332713	NC_021165.1	Ca_kabuli_chr06	10332713	CC	TT	1940354236
SNP_P1_109746_10332832	NC_021165.1	Ca_kabuli_chr06	10332832	TT	GG	1940354238
SNP_P1_109747_10333010	NC_021165.1	Ca_kabuli_chr06	10333010	TT	AA	1940354239
SNP_P1_109748_10333071	NC_021165.1	Ca_kabuli_chr06	10333071	GG	AA	1940354241
SNP_P1_109749_10333647	NC_021165.1	Ca_kabuli_chr06	10333647	GG	TT	1940354243
SNP_P1_109750_10333657	NC_021165.1	Ca_kabuli_chr06	10333657	CC	TT	1940354245
SNP_P1_109751_10333828	NC_021165.1	Ca_kabuli_chr06	10333828	AA	GG	1940354246
SNP_P1_109753_10358091	NC_021165.1	Ca_kabuli_chr06	10358091	CC	TT	1940354248
SNP_P1_109755_10359760	NC_021165.1	Ca_kabuli_chr06	10359760	AA	CC	1940354250
SNP_P1_109757_10360887	NC_021165.1	Ca_kabuli_chr06	10360887	AA	TT	1940354252
SNP_P1_109758_10361045	NC_021165.1	Ca_kabuli_chr06	10361045	GG	AA	1940354253
SNP_P1_109759_10361287	NC_021165.1	Ca_kabuli_chr06	10361287	GG	AA	1940354255
SNP_P1_109760_10361289	NC_021165.1	Ca_kabuli_chr06	10361289	CC	GG	1940354257
SNP_P1_109761_10361292	NC_021165.1	Ca_kabuli_chr06	10361292	CC	TT	1940354259
SNP_P1_109762_10362380	NC_021165.1	Ca_kabuli_chr06	10362380	CC	TT	1940354260
SNP_P1_109764_10363648	NC_021165.1	Ca_kabuli_chr06	10363648	TT	CC	1940354262
SNP_P1_109765_10364014	NC_021165.1	Ca_kabuli_chr06	10364014	GG	AA	1940354264
SNP_P1_109766_10364040	NC_021165.1	Ca_kabuli_chr06	10364040	GG	TT	1940354266
SNP_P1_109767_10364041	NC_021165.1	Ca_kabuli_chr06	10364041	TT	GG	1940354267
SNP_P1_109768_10364290	NC_021165.1	Ca_kabuli_chr06	10364290	CC	AA	1940354269
SNP_P1_109769_10364853	NC_021165.1	Ca_kabuli_chr06	10364853	AA	GG	1940354271
SNP_P1_109770_10364875	NC_021165.1	Ca_kabuli_chr06	10364875	AA	GG	1940354273
SNP_P1_109772_10365139	NC_021165.1	Ca_kabuli_chr06	10365139	CC	TT	1940354274
SNP_P1_109773_10365191	NC_021165.1	Ca_kabuli_chr06	10365191	GG	AA	1940354276
SNP_P1_109774_10366219	NC_021165.1	Ca_kabuli_chr06	10366219	TT	CC	1940354278
SNP_P1_109775_10367919	NC_021165.1	Ca_kabuli_chr06	10367919	TT	CC	1940354279
SNP_P1_109776_10367968	NC_021165.1	Ca_kabuli_chr06	10367968	TT	CC	1940354281
SNP_P1_109777_10368149	NC_021165.1	Ca_kabuli_chr06	10368149	GG	AA	1940354283
SNP_P1_109778_10368196	NC_021165.1	Ca_kabuli_chr06	10368196	TT	CC	1940354285
SNP_P1_109779_10368283	NC_021165.1	Ca_kabuli_chr06	10368283	AA	GG	1940354286
SNP_P1_109780_10369200	NC_021165.1	Ca_kabuli_chr06	10369200	CC	TT	1940354288
SNP_P1_109781_10370716	NC_021165.1	Ca_kabuli_chr06	10370716	CC	AA	1940354290
SNP_P1_109782_10370719	NC_021165.1	Ca_kabuli_chr06	10370719	AA	GG	1940354292
SNP_P1_109783_10371641	NC_021165.1	Ca_kabuli_chr06	10371641	AA	TT	1940354293
SNP_P1_109784_10371673	NC_021165.1	Ca_kabuli_chr06	10371673	CC	TT	1940354295
SNP_P1_109785_10372253	NC_021165.1	Ca_kabuli_chr06	10372253	AA	GG	1940354297
SNP_P1_109786_10372422	NC_021165.1	Ca_kabuli_chr06	10372422	AA	TT	1940354299
SNP_P1_109787_10375624	NC_021165.1	Ca_kabuli_chr06	10375624	TT	CC	1940354300

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_109788_10376731	NC_021165.1	Ca_kabuli_chr06	10376731	CC	AA	1940354302
SNP_P1_109789_10377313	NC_021165.1	Ca_kabuli_chr06	10377313	GG	AA	1940354304
SNP_P1_109790_10377489	NC_021165.1	Ca_kabuli_chr06	10377489	AA	GG	1940354305
SNP_P1_109793_10379246	NC_021165.1	Ca_kabuli_chr06	10379246	GG	AA	1940354307
SNP_P1_109794_10379362	NC_021165.1	Ca_kabuli_chr06	10379362	GG	CC	1940354309
SNP_P1_109795_10379595	NC_021165.1	Ca_kabuli_chr06	10379595	TT	AA	1940354311
SNP_P1_109796_10380426	NC_021165.1	Ca_kabuli_chr06	10380426	TT	CC	1940354312
SNP_P1_109797_10380641	NC_021165.1	Ca_kabuli_chr06	10380641	TT	CC	1940354314
SNP_P1_109798_10381005	NC_021165.1	Ca_kabuli_chr06	10381005	AA	GG	1940354316
SNP_P1_109799_10381531	NC_021165.1	Ca_kabuli_chr06	10381531	CC	TT	1940354318
SNP_P1_109800_10381626	NC_021165.1	Ca_kabuli_chr06	10381626	AA	GG	1940354319
SNP_P1_109801_10381983	NC_021165.1	Ca_kabuli_chr06	10381983	AA	GG	1940354321
SNP_P1_109802_10382170	NC_021165.1	Ca_kabuli_chr06	10382170	AA	GG	1940354323
SNP_P1_109803_10382650	NC_021165.1	Ca_kabuli_chr06	10382650	GG	CC	1940354325
SNP_P1_109804_10384069	NC_021165.1	Ca_kabuli_chr06	10384069	AA	CC	1940354326
SNP_P1_109806_10385834	NC_021165.1	Ca_kabuli_chr06	10385834	CC	TT	1940354328
SNP_P1_109807_10387993	NC_021165.1	Ca_kabuli_chr06	10387993	TT	GG	1940354330
SNP_P1_109808_10389151	NC_021165.1	Ca_kabuli_chr06	10389151	CC	TT	1940354331
SNP_P1_109809_10389935	NC_021165.1	Ca_kabuli_chr06	10389935	AA	TT	1940354333
SNP_P1_109810_10389953	NC_021165.1	Ca_kabuli_chr06	10389953	TT	CC	1940354335
SNP_P1_109811_10389954	NC_021165.1	Ca_kabuli_chr06	10389954	GG	AA	1940354337
SNP_P1_109812_10389964	NC_021165.1	Ca_kabuli_chr06	10389964	AA	TT	1940354338
SNP_P1_109813_10389969	NC_021165.1	Ca_kabuli_chr06	10389969	TT	AA	1940354340
SNP_P1_109814_10389976	NC_021165.1	Ca_kabuli_chr06	10389976	CC	GG	1940354342
SNP_P1_109815_10390031	NC_021165.1	Ca_kabuli_chr06	10390031	GG	AA	1940354344
SNP_P1_109816_10390112	NC_021165.1	Ca_kabuli_chr06	10390112	GG	AA	1940354345
SNP_P1_109817_10390155	NC_021165.1	Ca_kabuli_chr06	10390155	AA	GG	1940354347
SNP_P1_109818_10390440	NC_021165.1	Ca_kabuli_chr06	10390440	CC	TT	1940354349
SNP_P1_109819_10390714	NC_021165.1	Ca_kabuli_chr06	10390714	CC	TT	1940354351
SNP_P1_109820_10390720	NC_021165.1	Ca_kabuli_chr06	10390720	AA	GG	1940354352
SNP_P1_109821_10392836	NC_021165.1	Ca_kabuli_chr06	10392836	CC	TT	1940354354
SNP_P1_109822_10393233	NC_021165.1	Ca_kabuli_chr06	10393233	TT	CC	1940354356
SNP_P1_109823_10393256	NC_021165.1	Ca_kabuli_chr06	10393256	CC	TT	1940354357
SNP_P1_109824_10393315	NC_021165.1	Ca_kabuli_chr06	10393315	TT	AA	1940354359
SNP_P1_109825_10393571	NC_021165.1	Ca_kabuli_chr06	10393571	CC	TT	1940354361
SNP_P1_109826_10393638	NC_021165.1	Ca_kabuli_chr06	10393638	CC	TT	1940354363
SNP_P1_109827_10393672	NC_021165.1	Ca_kabuli_chr06	10393672	CC	TT	1940354364
SNP_P1_109828_10395035	NC_021165.1	Ca_kabuli_chr06	10395035	GG	AA	1940354366
SNP_P1_109829_10395123	NC_021165.1	Ca_kabuli_chr06	10395123	GG	AA	1940354368
SNP_P1_109830_10395329	NC_021165.1	Ca_kabuli_chr06	10395329	AA	GG	1940354370
SNP_P1_109832_10395379	NC_021165.1	Ca_kabuli_chr06	10395379	CC	TT	1940354371
SNP_P1_109833_10395411	NC_021165.1	Ca_kabuli_chr06	10395411	AA	GG	1940354373

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109835_10396453	NC_021165.1	Ca_kabuli_chr06	10396453	CC	TT	1940354377
SNP_P1_109838_10398929	NC_021165.1	Ca_kabuli_chr06	10398929	TT	GG	1940354378
SNP_P1_109839_10400063	NC_021165.1	Ca_kabuli_chr06	10400063	AA	CC	1940354380
SNP_P1_109841_10401265	NC_021165.1	Ca_kabuli_chr06	10401265	GG	AA	1940354382
SNP_P1_109842_10401420	NC_021165.1	Ca_kabuli_chr06	10401420	TT	CC	1940354384
SNP_P1_109843_10401467	NC_021165.1	Ca_kabuli_chr06	10401467	AA	TT	1940354385
SNP_P1_109844_10406218	NC_021165.1	Ca_kabuli_chr06	10406218	GG	AA	1940354387
SNP_P1_109845_10406243	NC_021165.1	Ca_kabuli_chr06	10406243	TT	CC	1940354389
SNP_P1_109846_10406288	NC_021165.1	Ca_kabuli_chr06	10406288	TT	CC	1940354391
SNP_P1_109848_10406435	NC_021165.1	Ca_kabuli_chr06	10406435	GG	TT	1940354392
SNP_P1_109849_10406539	NC_021165.1	Ca_kabuli_chr06	10406539	TT	CC	1940354394
SNP_P1_109850_10406683	NC_021165.1	Ca_kabuli_chr06	10406683	AA	GG	1940354396
SNP_P1_109851_10406691	NC_021165.1	Ca_kabuli_chr06	10406691	CC	TT	1940354397
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SNP_P1_109853_10412252	NC_021165.1	Ca_kabuli_chr06	10412252	AA	TT	1940354401
SNP_P1_109855_10414384	NC_021165.1	Ca_kabuli_chr06	10414384	AA	GG	1940354403
SNP_P1_109857_10414767	NC_021165.1	Ca_kabuli_chr06	10414767	GG	AA	1940354404
SNP_P1_109858_10415388	NC_021165.1	Ca_kabuli_chr06	10415388	AA	GG	1940354406
SNP_P1_109859_10417720	NC_021165.1	Ca_kabuli_chr06	10417720	GG	AA	1940354408
SNP_P1_109861_10417958	NC_021165.1	Ca_kabuli_chr06	10417958	CC	TT	1940354410
SNP_P1_109862_10419159	NC_021165.1	Ca_kabuli_chr06	10419159	GG	CC	1940354411
SNP_P1_109863_10419296	NC_021165.1	Ca_kabuli_chr06	10419296	AA	GG	1940354413
SNP_P1_109864_10419824	NC_021165.1	Ca_kabuli_chr06	10419824	AA	TT	1940354415
SNP_P1_109865_10419825	NC_021165.1	Ca_kabuli_chr06	10419825	TT	AA	1940354417
SNP_P1_109866_10419862	NC_021165.1	Ca_kabuli_chr06	10419862	TT	AA	1940354418
SNP_P1_109867_10419865	NC_021165.1	Ca_kabuli_chr06	10419865	CC	TT	1940354420
SNP_P1_109868_10419904	NC_021165.1	Ca_kabuli_chr06	10419904	CC	TT	1940354422
SNP_P1_109869_10419944	NC_021165.1	Ca_kabuli_chr06	10419944	AA	TT	1940354423
SNP_P1_109870_10419975	NC_021165.1	Ca_kabuli_chr06	10419975	TT	AA	1940354425
SNP_P1_109871_10420727	NC_021165.1	Ca_kabuli_chr06	10420727	TT	GG	1940354427
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SNP_P1_109874_10420842	NC_021165.1	Ca_kabuli_chr06	10420842	AA	GG	1940354432
SNP_P1_109875_10421095	NC_021165.1	Ca_kabuli_chr06	10421095	GG	AA	1940354434
SNP_P1_109876_10423220	NC_021165.1	Ca_kabuli_chr06	10423220	GG	AA	1940354436
SNP_P1_109877_10423441	NC_021165.1	Ca_kabuli_chr06	10423441	GG	TT	1940354437
SNP_P1_109878_10424879	NC_021165.1	Ca_kabuli_chr06	10424879	TT	CC	1940354439
SNP_P1_109879_10425673	NC_021165.1	Ca_kabuli_chr06	10425673	CC	TT	1940354441
SNP_P1_109880_10425843	NC_021165.1	Ca_kabuli_chr06	10425843	TT	CC	1940354443
SNP_P1_109881_10425863	NC_021165.1	Ca_kabuli_chr06	10425863	AA	GG	1940354444
SNP_P1_109882_10425870	NC_021165.1	Ca_kabuli_chr06	10425870	AA	GG	1940354446

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_109883_10425918	NC_021165.1	Ca_kabuli_chr06	10425918	CC	AA	1940354448
SNP_P1_109884_10429185	NC_021165.1	Ca_kabuli_chr06	10429185	AA	CC	1940354450
SNP_P1_109885_10429230	NC_021165.1	Ca_kabuli_chr06	10429230	GG	AA	1940354451
SNP_P1_109886_10429648	NC_021165.1	Ca_kabuli_chr06	10429648	AA	TT	1940354453
SNP_P1_109887_10430243	NC_021165.1	Ca_kabuli_chr06	10430243	TT	CC	1940354455
SNP_P1_109888_10430754	NC_021165.1	Ca_kabuli_chr06	10430754	AA	GG	1940354456
SNP_P1_109890_10431523	NC_021165.1	Ca_kabuli_chr06	10431523	GG	AA	1940354458
SNP_P1_109891_10431527	NC_021165.1	Ca_kabuli_chr06	10431527	TT	AA	1940354460
SNP_P1_109892_10431908	NC_021165.1	Ca_kabuli_chr06	10431908	AA	TT	1940354462
SNP_P1_109893_10431960	NC_021165.1	Ca_kabuli_chr06	10431960	CC	GG	1940354463
SNP_P1_109894_10431981	NC_021165.1	Ca_kabuli_chr06	10431981	TT	CC	1940354465
SNP_P1_109895_10431982	NC_021165.1	Ca_kabuli_chr06	10431982	GG	CC	1940354467
SNP_P1_109897_10432111	NC_021165.1	Ca_kabuli_chr06	10432111	CC	AA	1940354469
SNP_P1_109898_10432145	NC_021165.1	Ca_kabuli_chr06	10432145	GG	AA	1940354470
SNP_P1_109899_10432259	NC_021165.1	Ca_kabuli_chr06	10432259	AA	CC	1940354472
SNP_P1_109901_10432498	NC_021165.1	Ca_kabuli_chr06	10432498	GG	AA	1940354474
SNP_P1_109902_10432530	NC_021165.1	Ca_kabuli_chr06	10432530	GG	AA	1940354476
SNP_P1_109903_10432699	NC_021165.1	Ca_kabuli_chr06	10432699	GG	CC	1940354477
SNP_P1_109904_10433013	NC_021165.1	Ca_kabuli_chr06	10433013	AA	CC	1940354479
SNP_P1_109905_10433146	NC_021165.1	Ca_kabuli_chr06	10433146	CC	TT	1940354481
SNP_P1_109906_10434008	NC_021165.1	Ca_kabuli_chr06	10434008	TT	CC	1940354482
SNP_P1_109907_10437048	NC_021165.1	Ca_kabuli_chr06	10437048	CC	TT	1940354484
SNP_P1_109908_10437099	NC_021165.1	Ca_kabuli_chr06	10437099	CC	TT	1940354486
SNP_P1_109909_10437706	NC_021165.1	Ca_kabuli_chr06	10437706	AA	TT	1940354488
SNP_P1_109910_10438206	NC_021165.1	Ca_kabuli_chr06	10438206	GG	AA	1940354489
SNP_P1_109912_10438893	NC_021165.1	Ca_kabuli_chr06	10438893	AA	TT	1940354491
SNP_P1_109913_10438896	NC_021165.1	Ca_kabuli_chr06	10438896	CC	GG	1940354493
SNP_P1_109914_10439017	NC_021165.1	Ca_kabuli_chr06	10439017	AA	GG	1940354495
SNP_P1_109915_10439114	NC_021165.1	Ca_kabuli_chr06	10439114	AA	GG	1940354496
SNP_P1_109916_10439118	NC_021165.1	Ca_kabuli_chr06	10439118	GG	TT	1940354498
SNP_P1_109917_10439120	NC_021165.1	Ca_kabuli_chr06	10439120	GG	AA	1940354500
SNP_P1_109919_10439327	NC_021165.1	Ca_kabuli_chr06	10439327	TT	GG	1940354502
SNP_P1_109920_10439336	NC_021165.1	Ca_kabuli_chr06	10439336	AA	GG	1940354503
SNP_P1_109921_10439342	NC_021165.1	Ca_kabuli_chr06	10439342	AA	GG	1940354505
SNP_P1_109922_10439525	NC_021165.1	Ca_kabuli_chr06	10439525	TT	CC	1940354507
SNP_P1_109923_10439535	NC_021165.1	Ca_kabuli_chr06	10439535	GG	AA	1940354508
SNP_P1_109924_10439542	NC_021165.1	Ca_kabuli_chr06	10439542	CC	AA	1940354510
SNP_P1_109925_10439545	NC_021165.1	Ca_kabuli_chr06	10439545	AA	GG	1940354512
SNP_P1_109926_10439565	NC_021165.1	Ca_kabuli_chr06	10439565	GG	CC	1940354514
SNP_P1_109927_10439570	NC_021165.1	Ca_kabuli_chr06	10439570	GG	AA	1940354515
SNP_P1_109928_10439834	NC_021165.1	Ca_kabuli_chr06	10439834	CC	GG	1940354517
SNP_P1_109929_10439864	NC_021165.1	Ca_kabuli_chr06	10439864	TT	CC	1940354519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109931_10439936	NC_021165.1	Ca_kabuli_chr06	10439936	GG	AA	1940354522
SNP_P1_109932_10439952	NC_021165.1	Ca_kabuli_chr06	10439952	GG	AA	1940354524
SNP_P1_109933_10440188	NC_021165.1	Ca_kabuli_chr06	10440188	CC	GG	1940354526
SNP_P1_109934_10440528	NC_021165.1	Ca_kabuli_chr06	10440528	GG	TT	1940354527
SNP_P1_109935_10440534	NC_021165.1	Ca_kabuli_chr06	10440534	AA	GG	1940354529
SNP_P1_109936_10440536	NC_021165.1	Ca_kabuli_chr06	10440536	TT	CC	1940354531
SNP_P1_109937_10440538	NC_021165.1	Ca_kabuli_chr06	10440538	AA	GG	1940354533
SNP_P1_109938_10440542	NC_021165.1	Ca_kabuli_chr06	10440542	CC	AA	1940354534
SNP_P1_109939_10440544	NC_021165.1	Ca_kabuli_chr06	10440544	AA	GG	1940354536
SNP_P1_109940_10440636	NC_021165.1	Ca_kabuli_chr06	10440636	TT	CC	1940354538
SNP_P1_109941_10440857	NC_021165.1	Ca_kabuli_chr06	10440857	TT	CC	1940354540
SNP_P1_109942_10441021	NC_021165.1	Ca_kabuli_chr06	10441021	CC	GG	1940354541
SNP_P1_109943_10441392	NC_021165.1	Ca_kabuli_chr06	10441392	TT	AA	1940354543
SNP_P1_109944_10442854	NC_021165.1	Ca_kabuli_chr06	10442854	AA	CC	1940354545
SNP_P1_109945_10442924	NC_021165.1	Ca_kabuli_chr06	10442924	CC	TT	1940354547
SNP_P1_109946_10443294	NC_021165.1	Ca_kabuli_chr06	10443294	CC	GG	1940354548
SNP_P1_109947_10444068	NC_021165.1	Ca_kabuli_chr06	10444068	TT	AA	1940354550
SNP_P1_109948_10444657	NC_021165.1	Ca_kabuli_chr06	10444657	TT	CC	1940354552
SNP_P1_109949_10444705	NC_021165.1	Ca_kabuli_chr06	10444705	GG	AA	1940354554
SNP_P1_109950_10444717	NC_021165.1	Ca_kabuli_chr06	10444717	CC	GG	1940354555
SNP_P1_109951_10445056	NC_021165.1	Ca_kabuli_chr06	10445056	TT	GG	1940354557
SNP_P1_109952_10446995	NC_021165.1	Ca_kabuli_chr06	10446995	CC	TT	1940354559
SNP_P1_109953_10447230	NC_021165.1	Ca_kabuli_chr06	10447230	TT	AA	1940354560
SNP_P1_109954_10447263	NC_021165.1	Ca_kabuli_chr06	10447263	TT	CC	1940354562
SNP_P1_109955_10447937	NC_021165.1	Ca_kabuli_chr06	10447937	GG	CC	1940354564
SNP_P1_109956_10450495	NC_021165.1	Ca_kabuli_chr06	10450495	CC	AA	1940354566
SNP_P1_109957_10450497	NC_021165.1	Ca_kabuli_chr06	10450497	AA	GG	1940354567
SNP_P1_109958_10451546	NC_021165.1	Ca_kabuli_chr06	10451546	TT	AA	1940354569
SNP_P1_109959_10451599	NC_021165.1	Ca_kabuli_chr06	10451599	TT	GG	1940354571
SNP_P1_109960_10452192	NC_021165.1	Ca_kabuli_chr06	10452192	TT	CC	1940354573
SNP_P1_109961_10452300	NC_021165.1	Ca_kabuli_chr06	10452300	GG	AA	1940354574
SNP_P1_109962_10455466	NC_021165.1	Ca_kabuli_chr06	10455466	GG	AA	1940354576
SNP_P1_109963_10455522	NC_021165.1	Ca_kabuli_chr06	10455522	CC	AA	1940354578
SNP_P1_109964_10455734	NC_021165.1	Ca_kabuli_chr06	10455734	AA	GG	1940354580
SNP_P1_109965_10456315	NC_021165.1	Ca_kabuli_chr06	10456315	TT	GG	1940354581
SNP_P1_109966_10456565	NC_021165.1	Ca_kabuli_chr06	10456565	GG	CC	1940354583
SNP_P1_109967_10456774	NC_021165.1	Ca_kabuli_chr06	10456774	GG	AA	1940354585
SNP_P1_109970_10458072	NC_021165.1	Ca_kabuli_chr06	10458072	AA	TT	1940354587
SNP_P1_109971_10458101	NC_021165.1	Ca_kabuli_chr06	10458101	CC	AA	1940354588
SNP_P1_109972_10458143	NC_021165.1	Ca_kabuli_chr06	10458143	GG	AA	1940354590
SNP_P1_109973_10458404	NC_021165.1	Ca_kabuli_chr06	10458404	TT	AA	1940354592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_109976_10458641	NC_021165.1	Ca_kabuli_chr06	10458641	AA	TT	1940354595
SNP_P1_109977_10459184	NC_021165.1	Ca_kabuli_chr06	10459184	GG	AA	1940354597
SNP_P1_109978_10459395	NC_021165.1	Ca_kabuli_chr06	10459395	AA	GG	1940354599
SNP_P1_109979_10459425	NC_021165.1	Ca_kabuli_chr06	10459425	AA	GG	1940354600
SNP_P1_109980_10461597	NC_021165.1	Ca_kabuli_chr06	10461597	CC	TT	1940354602
SNP_P1_109981_10461787	NC_021165.1	Ca_kabuli_chr06	10461787	AA	TT	1940354604
SNP_P1_109982_10463106	NC_021165.1	Ca_kabuli_chr06	10463106	AA	GG	1940354606
SNP_P1_109983_10463162	NC_021165.1	Ca_kabuli_chr06	10463162	GG	AA	1940354607
SNP_P1_109986_10463809	NC_021165.1	Ca_kabuli_chr06	10463809	TT	GG	1940354609
SNP_P1_109987_10464297	NC_021165.1	Ca_kabuli_chr06	10464297	GG	AA	1940354611
SNP_P1_109988_10467773	NC_021165.1	Ca_kabuli_chr06	10467773	AA	TT	1940354613
SNP_P1_109989_10469045	NC_021165.1	Ca_kabuli_chr06	10469045	CC	TT	1940354614
SNP_P1_109990_10470421	NC_021165.1	Ca_kabuli_chr06	10470421	TT	CC	1940354616
SNP_P1_109991_10470430	NC_021165.1	Ca_kabuli_chr06	10470430	TT	CC	1940354618
SNP_P1_109992_10470624	NC_021165.1	Ca_kabuli_chr06	10470624	AA	CC	1940354620
SNP_P1_109993_10470805	NC_021165.1	Ca_kabuli_chr06	10470805	TT	AA	1940354621
SNP_P1_109994_10470840	NC_021165.1	Ca_kabuli_chr06	10470840	GG	AA	1940354623
SNP_P1_109995_10470884	NC_021165.1	Ca_kabuli_chr06	10470884	GG	AA	1940354625
SNP_P1_109996_10472424	NC_021165.1	Ca_kabuli_chr06	10472424	GG	AA	1940354627
SNP_P1_109997_10472622	NC_021165.1	Ca_kabuli_chr06	10472622	TT	CC	1940354628
SNP_P1_109998_10472681	NC_021165.1	Ca_kabuli_chr06	10472681	TT	AA	1940354630
SNP_P1_109999_10472685	NC_021165.1	Ca_kabuli_chr06	10472685	AA	GG	1940354632
SNP_P1_110000_10472694	NC_021165.1	Ca_kabuli_chr06	10472694	TT	CC	1940354633
SNP_P1_110002_10472741	NC_021165.1	Ca_kabuli_chr06	10472741	TT	CC	1940354635
SNP_P1_110003_10475831	NC_021165.1	Ca_kabuli_chr06	10475831	GG	TT	1940354637
SNP_P1_110004_10476033	NC_021165.1	Ca_kabuli_chr06	10476033	AA	CC	1940354639
SNP_P1_110005_10476039	NC_021165.1	Ca_kabuli_chr06	10476039	AA	GG	1940354640
SNP_P1_110006_10476070	NC_021165.1	Ca_kabuli_chr06	10476070	GG	CC	1940354642
SNP_P1_110007_10476073	NC_021165.1	Ca_kabuli_chr06	10476073	TT	CC	1940354644
SNP_P1_110008_10476110	NC_021165.1	Ca_kabuli_chr06	10476110	CC	TT	1940354646
SNP_P1_110009_10476122	NC_021165.1	Ca_kabuli_chr06	10476122	AA	GG	1940354647
SNP_P1_110013_10476295	NC_021165.1	Ca_kabuli_chr06	10476295	AA	TT	1940354649
SNP_P1_110014_10477229	NC_021165.1	Ca_kabuli_chr06	10477229	CC	TT	1940354651
SNP_P1_110015_10477239	NC_021165.1	Ca_kabuli_chr06	10477239	GG	AA	1940354653
SNP_P1_110016_10477266	NC_021165.1	Ca_kabuli_chr06	10477266	TT	AA	1940354654
SNP_P1_110017_10477276	NC_021165.1	Ca_kabuli_chr06	10477276	TT	GG	1940354656
SNP_P1_110018_10478046	NC_021165.1	Ca_kabuli_chr06	10478046	GG	CC	1940354658
SNP_P1_110019_10478052	NC_021165.1	Ca_kabuli_chr06	10478052	TT	GG	1940354659
SNP_P1_110020_10481192	NC_021165.1	Ca_kabuli_chr06	10481192	CC	GG	1940354661
SNP_P1_110021_10481355	NC_021165.1	Ca_kabuli_chr06	10481355	GG	TT	1940354663
SNP_P1_110022_10481830	NC_021165.1	Ca_kabuli_chr06	10481830	GG	AA	1940354665

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110027_10483339	NC_021165.1	Ca_kabuli_chr06	10483339	TT	GG	1940354668
SNP_P1_110028_10484446	NC_021165.1	Ca_kabuli_chr06	10484446	TT	GG	1940354670
SNP_P1_110029_10484749	NC_021165.1	Ca_kabuli_chr06	10484749	TT	CC	1940354672
SNP_P1_110030_10484913	NC_021165.1	Ca_kabuli_chr06	10484913	AA	GG	1940354673
SNP_P1_110033_10486068	NC_021165.1	Ca_kabuli_chr06	10486068	CC	TT	1940354675
SNP_P1_110034_10487269	NC_021165.1	Ca_kabuli_chr06	10487269	CC	GG	1940354677
SNP_P1_110035_10487809	NC_021165.1	Ca_kabuli_chr06	10487809	GG	TT	1940354679
SNP_P1_110036_10488551	NC_021165.1	Ca_kabuli_chr06	10488551	CC	AA	1940354680
SNP_P1_110037_10488758	NC_021165.1	Ca_kabuli_chr06	10488758	AA	GG	1940354682
SNP_P1_110038_10488761	NC_021165.1	Ca_kabuli_chr06	10488761	AA	GG	1940354684
SNP_P1_110039_10489062	NC_021165.1	Ca_kabuli_chr06	10489062	TT	CC	1940354686
SNP_P1_110040_10489063	NC_021165.1	Ca_kabuli_chr06	10489063	GG	TT	1940354687
SNP_P1_110041_10489093	NC_021165.1	Ca_kabuli_chr06	10489093	GG	AA	1940354689
SNP_P1_110042_10489934	NC_021165.1	Ca_kabuli_chr06	10489934	GG	AA	1940354691
SNP_P1_110043_10489958	NC_021165.1	Ca_kabuli_chr06	10489958	GG	TT	1940354692
SNP_P1_110044_10490307	NC_021165.1	Ca_kabuli_chr06	10490307	CC	GG	1940354694
SNP_P1_110045_10490347	NC_021165.1	Ca_kabuli_chr06	10490347	GG	CC	1940354696
SNP_P1_110046_10490356	NC_021165.1	Ca_kabuli_chr06	10490356	GG	AA	1940354698
SNP_P1_110047_10490374	NC_021165.1	Ca_kabuli_chr06	10490374	AA	GG	1940354699
SNP_P1_110048_10490384	NC_021165.1	Ca_kabuli_chr06	10490384	AA	GG	1940354701
SNP_P1_110049_10490516	NC_021165.1	Ca_kabuli_chr06	10490516	CC	TT	1940354703
SNP_P1_110050_10490525	NC_021165.1	Ca_kabuli_chr06	10490525	GG	AA	1940354705
SNP_P1_110051_10491142	NC_021165.1	Ca_kabuli_chr06	10491142	AA	GG	1940354706
SNP_P1_110052_10491261	NC_021165.1	Ca_kabuli_chr06	10491261	TT	AA	1940354708
SNP_P1_110053_10491272	NC_021165.1	Ca_kabuli_chr06	10491272	CC	TT	1940354710
SNP_P1_110054_10491547	NC_021165.1	Ca_kabuli_chr06	10491547	CC	TT	1940354712
SNP_P1_110055_10491630	NC_021165.1	Ca_kabuli_chr06	10491630	AA	TT	1940354713
SNP_P1_110056_10491686	NC_021165.1	Ca_kabuli_chr06	10491686	AA	GG	1940354715
SNP_P1_110057_10492154	NC_021165.1	Ca_kabuli_chr06	10492154	AA	CC	1940354717
SNP_P1_110058_10492618	NC_021165.1	Ca_kabuli_chr06	10492618	GG	AA	1940354719
SNP_P1_110060_10492706	NC_021165.1	Ca_kabuli_chr06	10492706	AA	TT	1940354720
SNP_P1_110061_10492764	NC_021165.1	Ca_kabuli_chr06	10492764	TT	AA	1940354722
SNP_P1_110062_10492793	NC_021165.1	Ca_kabuli_chr06	10492793	GG	AA	1940354724
SNP_P1_110063_10492831	NC_021165.1	Ca_kabuli_chr06	10492831	TT	GG	1940354725
SNP_P1_110064_10492834	NC_021165.1	Ca_kabuli_chr06	10492834	AA	TT	1940354727
SNP_P1_110065_10492916	NC_021165.1	Ca_kabuli_chr06	10492916	CC	GG	1940354729
SNP_P1_110066_10492960	NC_021165.1	Ca_kabuli_chr06	10492960	AA	TT	1940354731
SNP_P1_110067_10493216	NC_021165.1	Ca_kabuli_chr06	10493216	CC	AA	1940354732
SNP_P1_110069_10495932	NC_021165.1	Ca_kabuli_chr06	10495932	TT	CC	1940354734
SNP_P1_110070_10496060	NC_021165.1	Ca_kabuli_chr06	10496060	TT	AA	1940354736
SNP_P1_110071_10496069	NC_021165.1	Ca_kabuli_chr06	10496069	GG	AA	1940354738

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110073_10497098	NC_021165.1	Ca_kabuli_chr06	10497098	GG	AA	1940354741
SNP_P1_110075_10497561	NC_021165.1	Ca_kabuli_chr06	10497561	GG	AA	1940354743
SNP_P1_110076_10498164	NC_021165.1	Ca_kabuli_chr06	10498164	GG	AA	1940354745
SNP_P1_110077_10498177	NC_021165.1	Ca_kabuli_chr06	10498177	AA	CC	1940354746
SNP_P1_110078_10498821	NC_021165.1	Ca_kabuli_chr06	10498821	AA	GG	1940354748
SNP_P1_110079_10498830	NC_021165.1	Ca_kabuli_chr06	10498830	CC	TT	1940354750
SNP_P1_110080_10498876	NC_021165.1	Ca_kabuli_chr06	10498876	GG	AA	1940354752
SNP_P1_110081_10499099	NC_021165.1	Ca_kabuli_chr06	10499099	AA	TT	1940354753
SNP_P1_110082_10499179	NC_021165.1	Ca_kabuli_chr06	10499179	GG	CC	1940354755
SNP_P1_110083_10499456	NC_021165.1	Ca_kabuli_chr06	10499456	AA	CC	1940354757
SNP_P1_110084_10499973	NC_021165.1	Ca_kabuli_chr06	10499973	GG	AA	1940354758
SNP_P1_110085_10500310	NC_021165.1	Ca_kabuli_chr06	10500310	GG	AA	1940354760
SNP_P1_110086_10501322	NC_021165.1	Ca_kabuli_chr06	10501322	TT	CC	1940354762
SNP_P1_110087_10502138	NC_021165.1	Ca_kabuli_chr06	10502138	GG	TT	1940354764
SNP_P1_110088_10502320	NC_021165.1	Ca_kabuli_chr06	10502320	TT	CC	1940354765
SNP_P1_110090_10502355	NC_021165.1	Ca_kabuli_chr06	10502355	AA	GG	1940354767
SNP_P1_110091_10502381	NC_021165.1	Ca_kabuli_chr06	10502381	GG	AA	1940354769
SNP_P1_110092_10502387	NC_021165.1	Ca_kabuli_chr06	10502387	AA	CC	1940354771
SNP_P1_110093_10502463	NC_021165.1	Ca_kabuli_chr06	10502463	TT	GG	1940354772
SNP_P1_110095_10502595	NC_021165.1	Ca_kabuli_chr06	10502595	TT	AA	1940354774
SNP_P1_110096_10502624	NC_021165.1	Ca_kabuli_chr06	10502624	CC	GG	1940354776
SNP_P1_110097_10502630	NC_021165.1	Ca_kabuli_chr06	10502630	AA	GG	1940354778
SNP_P1_110098_10502684	NC_021165.1	Ca_kabuli_chr06	10502684	CC	TT	1940354779
SNP_P1_110099_10503426	NC_021165.1	Ca_kabuli_chr06	10503426	AA	GG	1940354781
SNP_P1_110100_10503507	NC_021165.1	Ca_kabuli_chr06	10503507	GG	AA	1940354783
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SNP_P1_110102_10503864	NC_021165.1	Ca_kabuli_chr06	10503864	TT	GG	1940354786
SNP_P1_110103_10503876	NC_021165.1	Ca_kabuli_chr06	10503876	AA	GG	1940354788
SNP_P1_110104_10503892	NC_021165.1	Ca_kabuli_chr06	10503892	TT	CC	1940354790
SNP_P1_110105_10503926	NC_021165.1	Ca_kabuli_chr06	10503926	GG	TT	1940354792
SNP_P1_110106_10504141	NC_021165.1	Ca_kabuli_chr06	10504141	AA	CC	1940354793
SNP_P1_110107_10504500	NC_021165.1	Ca_kabuli_chr06	10504500	CC	TT	1940354795
SNP_P1_110108_10504786	NC_021165.1	Ca_kabuli_chr06	10504786	CC	AA	1940354797
SNP_P1_110109_10504795	NC_021165.1	Ca_kabuli_chr06	10504795	GG	AA	1940354798
SNP_P1_110110_10507686	NC_021165.1	Ca_kabuli_chr06	10507686	TT	CC	1940354800
SNP_P1_110111_10507764	NC_021165.1	Ca_kabuli_chr06	10507764	TT	AA	1940354802
SNP_P1_110112_10507889	NC_021165.1	Ca_kabuli_chr06	10507889	TT	CC	1940354804
SNP_P1_110114_10508292	NC_021165.1	Ca_kabuli_chr06	10508292	CC	TT	1940354805
SNP_P1_110115_10508295	NC_021165.1	Ca_kabuli_chr06	10508295	GG	AA	1940354807
SNP_P1_110117_10509008	NC_021165.1	Ca_kabuli_chr06	10509008	TT	CC	1940354809
SNP_P1_110118_10509015	NC_021165.1	Ca_kabuli_chr06	10509015	CC	TT	1940354811

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110121_10510583	NC_021165.1	Ca_kabuli_chr06	10510583	GG	AA	1940354814
SNP_P1_110122_10511426	NC_021165.1	Ca_kabuli_chr06	10511426	TT	GG	1940354816
SNP_P1_110123_10511539	NC_021165.1	Ca_kabuli_chr06	10511539	CC	TT	1940354818
SNP_P1_110125_10512021	NC_021165.1	Ca_kabuli_chr06	10512021	AA	GG	1940354819
SNP_P1_110127_10513881	NC_021165.1	Ca_kabuli_chr06	10513881	CC	AA	1940354821
SNP_P1_110128_10514105	NC_021165.1	Ca_kabuli_chr06	10514105	CC	TT	1940354823
SNP_P1_110131_10514610	NC_021165.1	Ca_kabuli_chr06	10514610	GG	AA	1940354825
SNP_P1_110132_10514819	NC_021165.1	Ca_kabuli_chr06	10514819	AA	GG	1940354826
SNP_P1_110133_10514830	NC_021165.1	Ca_kabuli_chr06	10514830	CC	TT	1940354828
SNP_P1_110134_10514950	NC_021165.1	Ca_kabuli_chr06	10514950	AA	GG	1940354830
SNP_P1_110135_10515365	NC_021165.1	Ca_kabuli_chr06	10515365	GG	AA	1940354832
SNP_P1_110136_10515368	NC_021165.1	Ca_kabuli_chr06	10515368	CC	TT	1940354833
SNP_P1_110137_10515384	NC_021165.1	Ca_kabuli_chr06	10515384	TT	AA	1940354835
SNP_P1_110138_10515401	NC_021165.1	Ca_kabuli_chr06	10515401	TT	CC	1940354837
SNP_P1_110139_10515445	NC_021165.1	Ca_kabuli_chr06	10515445	CC	TT	1940354839
SNP_P1_110140_10515463	NC_021165.1	Ca_kabuli_chr06	10515463	AA	GG	1940354840
SNP_P1_110141_10515595	NC_021165.1	Ca_kabuli_chr06	10515595	GG	AA	1940354842
SNP_P1_110142_10515617	NC_021165.1	Ca_kabuli_chr06	10515617	CC	TT	1940354844
SNP_P1_110143_10515632	NC_021165.1	Ca_kabuli_chr06	10515632	AA	GG	1940354846
SNP_P1_110144_10515638	NC_021165.1	Ca_kabuli_chr06	10515638	TT	GG	1940354847
SNP_P1_110145_10515662	NC_021165.1	Ca_kabuli_chr06	10515662	GG	AA	1940354849
SNP_P1_110146_10516603	NC_021165.1	Ca_kabuli_chr06	10516603	AA	GG	1940354851
SNP_P1_110147_10516623	NC_021165.1	Ca_kabuli_chr06	10516623	AA	TT	1940354853
SNP_P1_110148_10516837	NC_021165.1	Ca_kabuli_chr06	10516837	TT	GG	1940354854
SNP_P1_110149_10516842	NC_021165.1	Ca_kabuli_chr06	10516842	CC	TT	1940354856
SNP_P1_110150_10516844	NC_021165.1	Ca_kabuli_chr06	10516844	AA	GG	1940354858
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SNP_P1_110152_10551503	NC_021165.1	Ca_kabuli_chr06	10551503	GG	AA	1940354861
SNP_P1_110153_10551532	NC_021165.1	Ca_kabuli_chr06	10551532	AA	GG	1940354863
SNP_P1_110154_10551537	NC_021165.1	Ca_kabuli_chr06	10551537	AA	GG	1940354865
SNP_P1_110155_10551559	NC_021165.1	Ca_kabuli_chr06	10551559	AA	GG	1940354866
SNP_P1_110156_10551583	NC_021165.1	Ca_kabuli_chr06	10551583	GG	AA	1940354868
SNP_P1_110157_10553465	NC_021165.1	Ca_kabuli_chr06	10553465	AA	CC	1940354870
SNP_P1_110158_10553555	NC_021165.1	Ca_kabuli_chr06	10553555	CC	AA	1940354872
SNP_P1_110159_10553556	NC_021165.1	Ca_kabuli_chr06	10553556	AA	CC	1940354873
SNP_P1_110160_10553797	NC_021165.1	Ca_kabuli_chr06	10553797	GG	CC	1940354875
SNP_P1_110161_10553876	NC_021165.1	Ca_kabuli_chr06	10553876	AA	GG	1940354877
SNP_P1_110162_10555417	NC_021165.1	Ca_kabuli_chr06	10555417	CC	AA	1940354879
SNP_P1_110163_10555432	NC_021165.1	Ca_kabuli_chr06	10555432	AA	GG	1940354880
SNP_P1_110164_10555478	NC_021165.1	Ca_kabuli_chr06	10555478	GG	AA	1940354882
SNP_P1_110165_10555524	NC_021165.1	Ca_kabuli_chr06	10555524	GG	AA	1940354884

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110168_10555818	NC_021165.1	Ca_kabuli_chr06	10555818	AA	TT	1940354887
SNP_P1_110169_10556047	NC_021165.1	Ca_kabuli_chr06	10556047	CC	TT	1940354889
SNP_P1_110170_10556260	NC_021165.1	Ca_kabuli_chr06	10556260	AA	GG	1940354891
SNP_P1_110171_10556268	NC_021165.1	Ca_kabuli_chr06	10556268	CC	TT	1940354893
SNP_P1_110172_10556311	NC_021165.1	Ca_kabuli_chr06	10556311	AA	CC	1940354894
SNP_P1_110174_10556557	NC_021165.1	Ca_kabuli_chr06	10556557	TT	GG	1940354896
SNP_P1_110175_10556895	NC_021165.1	Ca_kabuli_chr06	10556895	CC	GG	1940354898
SNP_P1_110176_10557544	NC_021165.1	Ca_kabuli_chr06	10557544	GG	AA	1940354899
SNP_P1_110177_10557573	NC_021165.1	Ca_kabuli_chr06	10557573	TT	AA	1940354901
SNP_P1_110178_10559111	NC_021165.1	Ca_kabuli_chr06	10559111	TT	CC	1940354903
SNP_P1_110179_10559230	NC_021165.1	Ca_kabuli_chr06	10559230	TT	CC	1940354905
SNP_P1_110181_10559448	NC_021165.1	Ca_kabuli_chr06	10559448	TT	CC	1940354906
SNP_P1_110182_10559666	NC_021165.1	Ca_kabuli_chr06	10559666	CC	TT	1940354908
SNP_P1_110183_10559671	NC_021165.1	Ca_kabuli_chr06	10559671	CC	TT	1940354910
SNP_P1_110184_10559859	NC_021165.1	Ca_kabuli_chr06	10559859	AA	GG	1940354912
SNP_P1_110185_10560754	NC_021165.1	Ca_kabuli_chr06	10560754	AA	TT	1940354913
SNP_P1_110186_10562639	NC_021165.1	Ca_kabuli_chr06	10562639	GG	TT	1940354915
SNP_P1_110187_10562647	NC_021165.1	Ca_kabuli_chr06	10562647	CC	TT	1940354917
SNP_P1_110188_10562839	NC_021165.1	Ca_kabuli_chr06	10562839	AA	GG	1940354919
SNP_P1_110190_10563838	NC_021165.1	Ca_kabuli_chr06	10563838	AA	GG	1940354920
SNP_P1_110191_10563860	NC_021165.1	Ca_kabuli_chr06	10563860	CC	TT	1940354922
SNP_P1_110192_10563869	NC_021165.1	Ca_kabuli_chr06	10563869	AA	GG	1940354924
SNP_P1_110193_10563930	NC_021165.1	Ca_kabuli_chr06	10563930	AA	GG	1940354926
SNP_P1_110195_10564021	NC_021165.1	Ca_kabuli_chr06	10564021	CC	TT	1940354927
SNP_P1_110197_10564070	NC_021165.1	Ca_kabuli_chr06	10564070	AA	GG	1940354929
SNP_P1_110199_10564356	NC_021165.1	Ca_kabuli_chr06	10564356	TT	CC	1940354931
SNP_P1_110202_10564658	NC_021165.1	Ca_kabuli_chr06	10564658	TT	CC	1940354933
SNP_P1_110203_10564748	NC_021165.1	Ca_kabuli_chr06	10564748	CC	GG	1940354934
SNP_P1_110204_10565828	NC_021165.1	Ca_kabuli_chr06	10565828	CC	AA	1940354936
SNP_P1_110205_10565829	NC_021165.1	Ca_kabuli_chr06	10565829	CC	TT	1940354938
SNP_P1_110206_10565859	NC_021165.1	Ca_kabuli_chr06	10565859	CC	TT	1940354939
SNP_P1_110207_10565938	NC_021165.1	Ca_kabuli_chr06	10565938	CC	TT	1940354941
SNP_P1_110208_10566181	NC_021165.1	Ca_kabuli_chr06	10566181	AA	GG	1940354943
SNP_P1_110209_10566241	NC_021165.1	Ca_kabuli_chr06	10566241	AA	GG	1940354945
SNP_P1_110210_10566868	NC_021165.1	Ca_kabuli_chr06	10566868	CC	TT	1940354946
SNP_P1_110211_10566906	NC_021165.1	Ca_kabuli_chr06	10566906	CC	AA	1940354948
SNP_P1_110212_10566919	NC_021165.1	Ca_kabuli_chr06	10566919	TT	GG	1940354950
SNP_P1_110213_10566962	NC_021165.1	Ca_kabuli_chr06	10566962	TT	GG	1940354952
SNP_P1_110214_10566965	NC_021165.1	Ca_kabuli_chr06	10566965	GG	CC	1940354953
SNP_P1_110215_10567019	NC_021165.1	Ca_kabuli_chr06	10567019	TT	CC	1940354955
SNP_P1_110216_10567086	NC_021165.1	Ca_kabuli_chr06	10567086	AA	TT	1940354957

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110218_10567518	NC_021165.1	Ca_kabuli_chr06	10567518	GG	AA	1940354960
SNP_P1_110219_10568077	NC_021165.1	Ca_kabuli_chr06	10568077	TT	CC	1940354962
SNP_P1_110220_10570577	NC_021165.1	Ca_kabuli_chr06	10570577	CC	AA	1940354964
SNP_P1_110221_10570740	NC_021165.1	Ca_kabuli_chr06	10570740	GG	AA	1940354966
SNP_P1_110222_10571534	NC_021165.1	Ca_kabuli_chr06	10571534	TT	CC	1940354967
SNP_P1_110223_10571701	NC_021165.1	Ca_kabuli_chr06	10571701	TT	CC	1940354969
SNP_P1_110224_10572388	NC_021165.1	Ca_kabuli_chr06	10572388	AA	TT	1940354971
SNP_P1_110225_10574535	NC_021165.1	Ca_kabuli_chr06	10574535	CC	TT	1940354972
SNP_P1_110228_10576413	NC_021165.1	Ca_kabuli_chr06	10576413	TT	GG	1940354974
SNP_P1_110229_10576483	NC_021165.1	Ca_kabuli_chr06	10576483	AA	GG	1940354976
SNP_P1_110231_10577252	NC_021165.1	Ca_kabuli_chr06	10577252	AA	GG	1940354978
SNP_P1_110232_10577262	NC_021165.1	Ca_kabuli_chr06	10577262	GG	AA	1940354979
SNP_P1_110233_10577328	NC_021165.1	Ca_kabuli_chr06	10577328	GG	AA	1940354981
SNP_P1_110234_10577365	NC_021165.1	Ca_kabuli_chr06	10577365	TT	CC	1940354983
SNP_P1_110235_10577369	NC_021165.1	Ca_kabuli_chr06	10577369	GG	AA	1940354985
SNP_P1_110236_10577839	NC_021165.1	Ca_kabuli_chr06	10577839	CC	TT	1940354986
SNP_P1_110237_10578307	NC_021165.1	Ca_kabuli_chr06	10578307	CC	GG	1940354988
SNP_P1_110238_10578325	NC_021165.1	Ca_kabuli_chr06	10578325	GG	AA	1940354990
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SNP_P1_110240_10578444	NC_021165.1	Ca_kabuli_chr06	10578444	AA	TT	1940354993
SNP_P1_110241_10578476	NC_021165.1	Ca_kabuli_chr06	10578476	CC	TT	1940354995
SNP_P1_110242_10578482	NC_021165.1	Ca_kabuli_chr06	10578482	TT	CC	1940354997
SNP_P1_110243_10578667	NC_021165.1	Ca_kabuli_chr06	10578667	CC	GG	1940354998
SNP_P1_110244_10578811	NC_021165.1	Ca_kabuli_chr06	10578811	GG	AA	1940355000
SNP_P1_110245_10578822	NC_021165.1	Ca_kabuli_chr06	10578822	AA	GG	1940355002
SNP_P1_110246_10578970	NC_021165.1	Ca_kabuli_chr06	10578970	GG	AA	1940355004
SNP_P1_110247_10578979	NC_021165.1	Ca_kabuli_chr06	10578979	AA	CC	1940355005
SNP_P1_110248_10578988	NC_021165.1	Ca_kabuli_chr06	10578988	GG	CC	1940355007
SNP_P1_110249_10579593	NC_021165.1	Ca_kabuli_chr06	10579593	AA	GG	1940355009
SNP_P1_110250_10581750	NC_021165.1	Ca_kabuli_chr06	10581750	AA	GG	1940355011
SNP_P1_110251_10582888	NC_021165.1	Ca_kabuli_chr06	10582888	GG	CC	1940355012
SNP_P1_110252_10583178	NC_021165.1	Ca_kabuli_chr06	10583178	GG	AA	1940355014
SNP_P1_110253_10583185	NC_021165.1	Ca_kabuli_chr06	10583185	TT	AA	1940355016
SNP_P1_110254_10583261	NC_021165.1	Ca_kabuli_chr06	10583261	GG	AA	1940355018
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SNP_P1_110256_10584035	NC_021165.1	Ca_kabuli_chr06	10584035	CC	TT	1940355021
SNP_P1_110258_10584065	NC_021165.1	Ca_kabuli_chr06	10584065	CC	TT	1940355023
SNP_P1_110259_10584086	NC_021165.1	Ca_kabuli_chr06	10584086	AA	CC	1940355025
SNP_P1_110260_10584526	NC_021165.1	Ca_kabuli_chr06	10584526	TT	CC	1940355026
SNP_P1_110261_10584531	NC_021165.1	Ca_kabuli_chr06	10584531	AA	GG	1940355028
SNP_P1_110262_10584565	NC_021165.1	Ca_kabuli_chr06	10584565	GG	CC	1940355030

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110265_10584950	NC_021165.1	Ca_kabuli_chr06	10584950	TT	GG	1940355035
SNP_P1_110266_10585611	NC_021165.1	Ca_kabuli_chr06	10585611	TT	CC	1940355037
SNP_P1_110267_10585800	NC_021165.1	Ca_kabuli_chr06	10585800	CC	TT	1940355038
SNP_P1_110268_10586287	NC_021165.1	Ca_kabuli_chr06	10586287	AA	GG	1940355040
SNP_P1_110269_10586291	NC_021165.1	Ca_kabuli_chr06	10586291	CC	TT	1940355042
SNP_P1_110270_10586298	NC_021165.1	Ca_kabuli_chr06	10586298	AA	CC	1940355044
SNP_P1_110271_10586305	NC_021165.1	Ca_kabuli_chr06	10586305	TT	CC	1940355045
SNP_P1_110272_10586314	NC_021165.1	Ca_kabuli_chr06	10586314	TT	CC	1940355047
SNP_P1_110273_10586336	NC_021165.1	Ca_kabuli_chr06	10586336	AA	GG	1940355049
SNP_P1_110274_10586337	NC_021165.1	Ca_kabuli_chr06	10586337	GG	AA	1940355051
SNP_P1_110275_10586366	NC_021165.1	Ca_kabuli_chr06	10586366	AA	GG	1940355052
SNP_P1_110276_10586369	NC_021165.1	Ca_kabuli_chr06	10586369	TT	CC	1940355054
SNP_P1_110277_10586438	NC_021165.1	Ca_kabuli_chr06	10586438	CC	AA	1940355056
SNP_P1_110278_10586941	NC_021165.1	Ca_kabuli_chr06	10586941	GG	CC	1940355058
SNP_P1_110280_10587123	NC_021165.1	Ca_kabuli_chr06	10587123	CC	AA	1940355059
SNP_P1_110281_10587173	NC_021165.1	Ca_kabuli_chr06	10587173	CC	GG	1940355061
SNP_P1_110282_10587249	NC_021165.1	Ca_kabuli_chr06	10587249	GG	AA	1940355063
SNP_P1_110283_10587483	NC_021165.1	Ca_kabuli_chr06	10587483	TT	CC	1940355064
SNP_P1_110284_10587563	NC_021165.1	Ca_kabuli_chr06	10587563	CC	AA	1940355066
SNP_P1_110285_10590386	NC_021165.1	Ca_kabuli_chr06	10590386	TT	CC	1940355068
SNP_P1_110286_10590601	NC_021165.1	Ca_kabuli_chr06	10590601	TT	CC	1940355070
SNP_P1_110287_10591011	NC_021165.1	Ca_kabuli_chr06	10591011	TT	CC	1940355071
SNP_P1_110288_10591187	NC_021165.1	Ca_kabuli_chr06	10591187	TT	AA	1940355073
SNP_P1_110289_10591969	NC_021165.1	Ca_kabuli_chr06	10591969	GG	AA	1940355075
SNP_P1_110290_10592564	NC_021165.1	Ca_kabuli_chr06	10592564	TT	AA	1940355077
SNP_P1_110291_10592565	NC_021165.1	Ca_kabuli_chr06	10592565	TT	AA	1940355078
SNP_P1_110292_10592787	NC_021165.1	Ca_kabuli_chr06	10592787	TT	AA	1940355080
SNP_P1_110294_10594803	NC_021165.1	Ca_kabuli_chr06	10594803	TT	CC	1940355082
SNP_P1_110295_10594840	NC_021165.1	Ca_kabuli_chr06	10594840	CC	AA	1940355084
SNP_P1_110296_10594887	NC_021165.1	Ca_kabuli_chr06	10594887	TT	CC	1940355085
SNP_P1_110297_10594906	NC_021165.1	Ca_kabuli_chr06	10594906	GG	AA	1940355087
SNP_P1_110298_10594945	NC_021165.1	Ca_kabuli_chr06	10594945	AA	GG	1940355089
SNP_P1_110299_10595208	NC_021165.1	Ca_kabuli_chr06	10595208	AA	TT	1940355091
SNP_P1_110300_10596266	NC_021165.1	Ca_kabuli_chr06	10596266	TT	CC	1940355092
SNP_P1_110301_10596267	NC_021165.1	Ca_kabuli_chr06	10596267	CC	TT	1940355094
SNP_P1_110302_10596466	NC_021165.1	Ca_kabuli_chr06	10596466	GG	AA	1940355096
SNP_P1_110303_10596487	NC_021165.1	Ca_kabuli_chr06	10596487	AA	GG	1940355098
SNP_P1_110304_10597024	NC_021165.1	Ca_kabuli_chr06	10597024	GG	AA	1940355099
SNP_P1_110305_10597200	NC_021165.1	Ca_kabuli_chr06	10597200	AA	CC	1940355101
SNP_P1_110306_10597206	NC_021165.1	Ca_kabuli_chr06	10597206	TT	AA	1940355103

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110308_10597564	NC_021165.1	Ca_kabuli_chr06	10597564	TT	CC	1940355106
SNP_P1_110309_10601526	NC_021165.1	Ca_kabuli_chr06	10601526	TT	CC	1940355108
SNP_P1_110310_10601552	NC_021165.1	Ca_kabuli_chr06	10601552	CC	TT	1940355110
SNP_P1_110311_10601562	NC_021165.1	Ca_kabuli_chr06	10601562	GG	AA	1940355111
SNP_P1_110312_10601578	NC_021165.1	Ca_kabuli_chr06	10601578	AA	GG	1940355113
SNP_P1_110313_10601637	NC_021165.1	Ca_kabuli_chr06	10601637	AA	TT	1940355115
SNP_P1_110314_10601683	NC_021165.1	Ca_kabuli_chr06	10601683	GG	TT	1940355117
SNP_P1_110315_10602694	NC_021165.1	Ca_kabuli_chr06	10602694	AA	GG	1940355118
SNP_P1_110316_10604051	NC_021165.1	Ca_kabuli_chr06	10604051	CC	TT	1940355120
SNP_P1_110317_10604066	NC_021165.1	Ca_kabuli_chr06	10604066	GG	CC	1940355122
SNP_P1_110318_10604330	NC_021165.1	Ca_kabuli_chr06	10604330	TT	CC	1940355124
SNP_P1_110319_10604429	NC_021165.1	Ca_kabuli_chr06	10604429	AA	GG	1940355125
SNP_P1_110321_10606205	NC_021165.1	Ca_kabuli_chr06	10606205	GG	AA	1940355127
SNP_P1_110323_10606263	NC_021165.1	Ca_kabuli_chr06	10606263	TT	GG	1940355129
SNP_P1_110324_10606668	NC_021165.1	Ca_kabuli_chr06	10606668	CC	TT	1940355131
SNP_P1_110325_10606905	NC_021165.1	Ca_kabuli_chr06	10606905	AA	GG	1940355132
SNP_P1_110326_10608023	NC_021165.1	Ca_kabuli_chr06	10608023	AA	GG	1940355134
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SNP_P1_110329_10608322	NC_021165.1	Ca_kabuli_chr06	10608322	GG	AA	1940355137
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SNP_P1_110337_10610088	NC_021165.1	Ca_kabuli_chr06	10610088	GG	AA	1940355151
SNP_P1_110338_10610108	NC_021165.1	Ca_kabuli_chr06	10610108	AA	CC	1940355153
SNP_P1_110339_10610779	NC_021165.1	Ca_kabuli_chr06	10610779	AA	GG	1940355155
SNP_P1_110341_10611470	NC_021165.1	Ca_kabuli_chr06	10611470	AA	GG	1940355157
SNP_P1_110342_10611506	NC_021165.1	Ca_kabuli_chr06	10611506	GG	AA	1940355158
SNP_P1_110344_10611701	NC_021165.1	Ca_kabuli_chr06	10611701	AA	CC	1940355160
SNP_P1_110345_10611992	NC_021165.1	Ca_kabuli_chr06	10611992	TT	AA	1940355162
SNP_P1_110346_10612018	NC_021165.1	Ca_kabuli_chr06	10612018	AA	CC	1940355164
SNP_P1_110347_10613294	NC_021165.1	Ca_kabuli_chr06	10613294	CC	TT	1940355165
SNP_P1_110348_10614525	NC_021165.1	Ca_kabuli_chr06	10614525	AA	GG	1940355167
SNP_P1_110349_10615530	NC_021165.1	Ca_kabuli_chr06	10615530	TT	AA	1940355169
SNP_P1_110350_10616787	NC_021165.1	Ca_kabuli_chr06	10616787	AA	GG	1940355170
SNP_P1_110351_10616789	NC_021165.1	Ca_kabuli_chr06	10616789	GG	AA	1940355172
SNP_P1_110352_10617177	NC_021165.1	Ca_kabuli_chr06	10617177	AA	GG	1940355174
SNP_P1_110353_10617289	NC_021165.1	Ca_kabuli_chr06	10617289	AA	GG	1940355176

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110356_10619143	NC_021165.1	Ca_kabuli_chr06	10619143	TT	AA	1940355181
SNP_P1_110357_10619443	NC_021165.1	Ca_kabuli_chr06	10619443	TT	AA	1940355183
SNP_P1_110358_10619567	NC_021165.1	Ca_kabuli_chr06	10619567	AA	TT	1940355184
SNP_P1_110359_10619859	NC_021165.1	Ca_kabuli_chr06	10619859	AA	GG	1940355186
SNP_P1_110360_10620672	NC_021165.1	Ca_kabuli_chr06	10620672	TT	CC	1940355188
SNP_P1_110361_10620689	NC_021165.1	Ca_kabuli_chr06	10620689	CC	GG	1940355190
SNP_P1_110362_10620712	NC_021165.1	Ca_kabuli_chr06	10620712	CC	AA	1940355191
SNP_P1_110365_10621952	NC_021165.1	Ca_kabuli_chr06	10621952	GG	TT	1940355193
SNP_P1_110366_10621963	NC_021165.1	Ca_kabuli_chr06	10621963	AA	GG	1940355195
SNP_P1_110368_10622811	NC_021165.1	Ca_kabuli_chr06	10622811	TT	AA	1940355197
SNP_P1_110369_10622815	NC_021165.1	Ca_kabuli_chr06	10622815	TT	CC	1940355198
SNP_P1_110370_10622973	NC_021165.1	Ca_kabuli_chr06	10622973	GG	TT	1940355200
SNP_P1_110371_10622977	NC_021165.1	Ca_kabuli_chr06	10622977	GG	AA	1940355202
SNP_P1_110372_10623003	NC_021165.1	Ca_kabuli_chr06	10623003	TT	CC	1940355203
SNP_P1_110373_10623164	NC_021165.1	Ca_kabuli_chr06	10623164	TT	GG	1940355205
SNP_P1_110374_10623168	NC_021165.1	Ca_kabuli_chr06	10623168	AA	CC	1940355207
SNP_P1_110377_10623434	NC_021165.1	Ca_kabuli_chr06	10623434	TT	CC	1940355209
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SNP_P1_110379_10623939	NC_021165.1	Ca_kabuli_chr06	10623939	GG	AA	1940355212
SNP_P1_110380_10624019	NC_021165.1	Ca_kabuli_chr06	10624019	AA	GG	1940355214
SNP_P1_110381_10624144	NC_021165.1	Ca_kabuli_chr06	10624144	TT	AA	1940355216
SNP_P1_110382_10624179	NC_021165.1	Ca_kabuli_chr06	10624179	TT	CC	1940355217
SNP_P1_110383_10624180	NC_021165.1	Ca_kabuli_chr06	10624180	CC	AA	1940355219
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SNP_P1_110387_10631114	NC_021165.1	Ca_kabuli_chr06	10631114	GG	AA	1940355226
SNP_P1_110388_10631156	NC_021165.1	Ca_kabuli_chr06	10631156	CC	GG	1940355228
SNP_P1_110389_10631338	NC_021165.1	Ca_kabuli_chr06	10631338	AA	TT	1940355230
SNP_P1_110390_10631344	NC_021165.1	Ca_kabuli_chr06	10631344	TT	CC	1940355231
SNP_P1_110392_10631666	NC_021165.1	Ca_kabuli_chr06	10631666	TT	CC	1940355233
SNP_P1_110393_10632850	NC_021165.1	Ca_kabuli_chr06	10632850	AA	GG	1940355235
SNP_P1_110395_10644039	NC_021165.1	Ca_kabuli_chr06	10644039	TT	CC	1940355236
SNP_P1_110396_10644042	NC_021165.1	Ca_kabuli_chr06	10644042	GG	CC	1940355238
SNP_P1_110397_10644045	NC_021165.1	Ca_kabuli_chr06	10644045	TT	CC	1940355240
SNP_P1_110398_10644052	NC_021165.1	Ca_kabuli_chr06	10644052	GG	AA	1940355242
SNP_P1_110399_10644100	NC_021165.1	Ca_kabuli_chr06	10644100	CC	TT	1940355243
SNP_P1_110400_10644133	NC_021165.1	Ca_kabuli_chr06	10644133	GG	AA	1940355245
SNP_P1_110401_10644141	NC_021165.1	Ca_kabuli_chr06	10644141	CC	TT	1940355247
SNP_P1_110402_10644349	NC_021165.1	Ca_kabuli_chr06	10644349	AA	TT	1940355249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110404_10644497	NC_021165.1	Ca_kabuli_chr06	10644497	AA	GG	1940355252
SNP_P1_110405_10644535	NC_021165.1	Ca_kabuli_chr06	10644535	CC	TT	1940355254
SNP_P1_110406_10644536	NC_021165.1	Ca_kabuli_chr06	10644536	AA	GG	1940355256
SNP_P1_110407_10644569	NC_021165.1	Ca_kabuli_chr06	10644569	TT	CC	1940355257
SNP_P1_110408_10644772	NC_021165.1	Ca_kabuli_chr06	10644772	TT	CC	1940355259
SNP_P1_110409_10644925	NC_021165.1	Ca_kabuli_chr06	10644925	TT	CC	1940355261
SNP_P1_110410_10645854	NC_021165.1	Ca_kabuli_chr06	10645854	GG	TT	1940355263
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SNP_P1_110412_10645901	NC_021165.1	Ca_kabuli_chr06	10645901	GG	AA	1940355266
SNP_P1_110413_10645902	NC_021165.1	Ca_kabuli_chr06	10645902	CC	TT	1940355268
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SNP_P1_110416_10648480	NC_021165.1	Ca_kabuli_chr06	10648480	CC	TT	1940355273
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SNP_P1_110418_10649549	NC_021165.1	Ca_kabuli_chr06	10649549	GG	AA	1940355276
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SNP_P1_110422_10649625	NC_021165.1	Ca_kabuli_chr06	10649625	GG	TT	1940355283
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SNP_P1_110425_10649731	NC_021165.1	Ca_kabuli_chr06	10649731	AA	GG	1940355289
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SNP_P1_110432_10649944	NC_021165.1	Ca_kabuli_chr06	10649944	GG	TT	1940355297
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SNP_P1_110434_10650131	NC_021165.1	Ca_kabuli_chr06	10650131	AA	GG	1940355301
SNP_P1_110435_10650790	NC_021165.1	Ca_kabuli_chr06	10650790	TT	CC	1940355302
SNP_P1_110436_10650821	NC_021165.1	Ca_kabuli_chr06	10650821	GG	AA	1940355304
SNP_P1_110437_10651637	NC_021165.1	Ca_kabuli_chr06	10651637	AA	TT	1940355306
SNP_P1_110438_10651708	NC_021165.1	Ca_kabuli_chr06	10651708	CC	GG	1940355308
SNP_P1_110439_10652062	NC_021165.1	Ca_kabuli_chr06	10652062	AA	GG	1940355309
SNP_P1_110440_10652066	NC_021165.1	Ca_kabuli_chr06	10652066	CC	TT	1940355311
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SNP_P1_110443_10652393	NC_021165.1	Ca_kabuli_chr06	10652393	GG	AA	1940355316
SNP_P1_110444_10653929	NC_021165.1	Ca_kabuli_chr06	10653929	TT	CC	1940355318
SNP_P1_110445_10653956	NC_021165.1	Ca_kabuli_chr06	10653956	TT	GG	1940355320
SNP_P1_110446_10655001	NC_021165.1	Ca_kabuli_chr06	10655001	TT	CC	1940355322

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110449_10656781	NC_021165.1	Ca_kabuli_chr06	10656781	AA	GG	1940355327
SNP_P1_110451_10657543	NC_021165.1	Ca_kabuli_chr06	10657543	TT	CC	1940355328
SNP_P1_110452_10657650	NC_021165.1	Ca_kabuli_chr06	10657650	TT	CC	1940355330
SNP_P1_110453_10657683	NC_021165.1	Ca_kabuli_chr06	10657683	GG	AA	1940355332
SNP_P1_110454_10657975	NC_021165.1	Ca_kabuli_chr06	10657975	GG	TT	1940355334
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SNP_P1_110456_10659390	NC_021165.1	Ca_kabuli_chr06	10659390	TT	AA	1940355337
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SNP_P1_110458_10660001	NC_021165.1	Ca_kabuli_chr06	10660001	CC	AA	1940355341
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SNP_P1_110463_10661011	NC_021165.1	Ca_kabuli_chr06	10661011	AA	TT	1940355346
SNP_P1_110466_10662537	NC_021165.1	Ca_kabuli_chr06	10662537	TT	CC	1940355348
SNP_P1_110467_10663092	NC_021165.1	Ca_kabuli_chr06	10663092	AA	GG	1940355349
SNP_P1_110468_10663407	NC_021165.1	Ca_kabuli_chr06	10663407	GG	AA	1940355351
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SNP_P1_110472_10664270	NC_021165.1	Ca_kabuli_chr06	10664270	GG	AA	1940355356
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SNP_P1_110475_10664771	NC_021165.1	Ca_kabuli_chr06	10664771	CC	TT	1940355362
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SNP_P1_110490_10673966	NC_021165.1	Ca_kabuli_chr06	10673966	GG	CC	1940355382
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SNP_P1_110492_10674757	NC_021165.1	Ca_kabuli_chr06	10674757	AA	GG	1940355386
SNP_P1_110493_10675251	NC_021165.1	Ca_kabuli_chr06	10675251	TT	CC	1940355388
SNP_P1_110494_10677034	NC_021165.1	Ca_kabuli_chr06	10677034	AA	GG	1940355389
SNP_P1_110496_10677230	NC_021165.1	Ca_kabuli_chr06	10677230	CC	AA	1940355391
SNP_P1_110497_10677469	NC_021165.1	Ca_kabuli_chr06	10677469	GG	AA	1940355393
SNP_P1_110498_10677501	NC_021165.1	Ca_kabuli_chr06	10677501	TT	CC	1940355395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_110499_10681376	NC_021165.1	Ca_kabuli_chr06	10681376	AA	TT	1940355396
SNP_P1_110500_10681660	NC_021165.1	Ca_kabuli_chr06	10681660	TT	AA	1940355398
SNP_P1_110501_10682286	NC_021165.1	Ca_kabuli_chr06	10682286	AA	GG	1940355400
SNP_P1_110502_10682308	NC_021165.1	Ca_kabuli_chr06	10682308	TT	CC	1940355401
SNP_P1_110503_10682355	NC_021165.1	Ca_kabuli_chr06	10682355	TT	CC	1940355403
SNP_P1_110504_10682358	NC_021165.1	Ca_kabuli_chr06	10682358	CC	TT	1940355405
SNP_P1_110505_10682378	NC_021165.1	Ca_kabuli_chr06	10682378	AA	GG	1940355407
SNP_P1_110506_10682405	NC_021165.1	Ca_kabuli_chr06	10682405	AA	CC	1940355408
SNP_P1_110507_10682416	NC_021165.1	Ca_kabuli_chr06	10682416	CC	TT	1940355410
SNP_P1_110508_10684283	NC_021165.1	Ca_kabuli_chr06	10684283	AA	GG	1940355412
SNP_P1_110509_10684913	NC_021165.1	Ca_kabuli_chr06	10684913	GG	AA	1940355414
SNP_P1_110510_10685186	NC_021165.1	Ca_kabuli_chr06	10685186	CC	TT	1940355415
SNP_P1_110511_10685694	NC_021165.1	Ca_kabuli_chr06	10685694	CC	TT	1940355417
SNP_P1_110512_10685946	NC_021165.1	Ca_kabuli_chr06	10685946	AA	TT	1940355419
SNP_P1_110514_10686673	NC_021165.1	Ca_kabuli_chr06	10686673	CC	AA	1940355421
SNP_P1_110516_10687336	NC_021165.1	Ca_kabuli_chr06	10687336	AA	GG	1940355422
SNP_P1_110517_10688305	NC_021165.1	Ca_kabuli_chr06	10688305	GG	AA	1940355424
SNP_P1_110518_10688306	NC_021165.1	Ca_kabuli_chr06	10688306	AA	GG	1940355426
SNP_P1_110519_10688798	NC_021165.1	Ca_kabuli_chr06	10688798	AA	GG	1940355428
SNP_P1_110520_10688982	NC_021165.1	Ca_kabuli_chr06	10688982	CC	TT	1940355429
SNP_P1_110521_10689143	NC_021165.1	Ca_kabuli_chr06	10689143	AA	CC	1940355431
SNP_P1_110522_10689703	NC_021165.1	Ca_kabuli_chr06	10689703	AA	GG	1940355433
SNP_P1_110523_10689721	NC_021165.1	Ca_kabuli_chr06	10689721	CC	TT	1940355434
SNP_P1_110524_10689737	NC_021165.1	Ca_kabuli_chr06	10689737	GG	AA	1940355436
SNP_P1_110525_10689738	NC_021165.1	Ca_kabuli_chr06	10689738	GG	CC	1940355438
SNP_P1_110526_10690331	NC_021165.1	Ca_kabuli_chr06	10690331	GG	AA	1940355440
SNP_P1_110527_10692433	NC_021165.1	Ca_kabuli_chr06	10692433	AA	GG	1940355441
SNP_P1_110528_10692558	NC_021165.1	Ca_kabuli_chr06	10692558	TT	AA	1940355443
SNP_P1_110529_10693249	NC_021165.1	Ca_kabuli_chr06	10693249	TT	CC	1940355445
SNP_P1_110530_10693906	NC_021165.1	Ca_kabuli_chr06	10693906	TT	GG	1940355447
SNP_P1_110531_10693975	NC_021165.1	Ca_kabuli_chr06	10693975	GG	AA	1940355448
SNP_P1_110533_10694197	NC_021165.1	Ca_kabuli_chr06	10694197	AA	TT	1940355450
SNP_P1_110534_10694354	NC_021165.1	Ca_kabuli_chr06	10694354	TT	GG	1940355452
SNP_P1_110536_10695710	NC_021165.1	Ca_kabuli_chr06	10695710	TT	AA	1940355454
SNP_P1_110537_10700095	NC_021165.1	Ca_kabuli_chr06	10700095	GG	TT	1940355455
SNP_P1_110538_10700138	NC_021165.1	Ca_kabuli_chr06	10700138	GG	AA	1940355457
SNP_P1_110539_10700161	NC_021165.1	Ca_kabuli_chr06	10700161	TT	GG	1940355459
SNP_P1_110540_10700448	NC_021165.1	Ca_kabuli_chr06	10700448	AA	CC	1940355461
SNP_P1_110541_10700535	NC_021165.1	Ca_kabuli_chr06	10700535	CC	AA	1940355462
SNP_P1_110542_10701636	NC_021165.1	Ca_kabuli_chr06	10701636	CC	AA	1940355464
SNP_P1_110543_10702442	NC_021165.1	Ca_kabuli_chr06	10702442	GG	AA	1940355466
SNP_P1_110544_10702444	NC_021165.1	Ca_kabuli_chr06	10702444	AA	TT	1940355467

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_110545_10702446	NC_021165.1	Ca_kabuli_chr06	10702446	CC	TT	1940355469
SNP_P1_110546_10705237	NC_021165.1	Ca_kabuli_chr06	10705237	GG	AA	1940355471
SNP_P1_110547_10705384	NC_021165.1	Ca_kabuli_chr06	10705384	AA	GG	1940355473
SNP_P1_110548_10705524	NC_021165.1	Ca_kabuli_chr06	10705524	TT	AA	1940355474
SNP_P1_110549_10705530	NC_021165.1	Ca_kabuli_chr06	10705530	AA	CC	1940355476
SNP_P1_110550_10705588	NC_021165.1	Ca_kabuli_chr06	10705588	AA	GG	1940355478
SNP_P1_110551_10705604	NC_021165.1	Ca_kabuli_chr06	10705604	CC	TT	1940355480
SNP_P1_110554_10708635	NC_021165.1	Ca_kabuli_chr06	10708635	GG	AA	1940355481
SNP_P1_110556_10715645	NC_021165.1	Ca_kabuli_chr06	10715645	TT	AA	1940355483
SNP_P1_110557_10729166	NC_021165.1	Ca_kabuli_chr06	10729166	AA	GG	1940355485
SNP_P1_110558_10729170	NC_021165.1	Ca_kabuli_chr06	10729170	TT	CC	1940355487
SNP_P1_110559_10734054	NC_021165.1	Ca_kabuli_chr06	10734054	AA	GG	1940355488
SNP_P1_110560_10748859	NC_021165.1	Ca_kabuli_chr06	10748859	AA	GG	1940355490
SNP_P1_110561_10751176	NC_021165.1	Ca_kabuli_chr06	10751176	TT	AA	1940355492
SNP_P1_110562_10751209	NC_021165.1	Ca_kabuli_chr06	10751209	AA	TT	1940355493
SNP_P1_110563_10753535	NC_021165.1	Ca_kabuli_chr06	10753535	AA	GG	1940355495
SNP_P1_110564_10753962	NC_021165.1	Ca_kabuli_chr06	10753962	AA	GG	1940355497
SNP_P1_110565_10756199	NC_021165.1	Ca_kabuli_chr06	10756199	CC	TT	1940355499
SNP_P1_110566_10757117	NC_021165.1	Ca_kabuli_chr06	10757117	CC	TT	1940355500
SNP_P1_110567_10774268	NC_021165.1	Ca_kabuli_chr06	10774268	TT	CC	1940355502
SNP_P1_110568_10775116	NC_021165.1	Ca_kabuli_chr06	10775116	GG	TT	1940355504
SNP_P1_110569_10778506	NC_021165.1	Ca_kabuli_chr06	10778506	AA	GG	1940355506
SNP_P1_110570_10779714	NC_021165.1	Ca_kabuli_chr06	10779714	AA	CC	1940355507
SNP_P1_110571_10780368	NC_021165.1	Ca_kabuli_chr06	10780368	GG	AA	1940355509
SNP_P1_110572_10791331	NC_021165.1	Ca_kabuli_chr06	10791331	CC	TT	1940355511
SNP_P1_110573_10793379	NC_021165.1	Ca_kabuli_chr06	10793379	AA	GG	1940355513
SNP_P1_110574_10816354	NC_021165.1	Ca_kabuli_chr06	10816354	GG	AA	1940355514
SNP_P1_110575_10821971	NC_021165.1	Ca_kabuli_chr06	10821971	CC	TT	1940355516
SNP_P1_110576_10822140	NC_021165.1	Ca_kabuli_chr06	10822140	AA	GG	1940355518
SNP_P1_110577_10822229	NC_021165.1	Ca_kabuli_chr06	10822229	AA	CC	1940355520
SNP_P1_110578_10822407	NC_021165.1	Ca_kabuli_chr06	10822407	TT	AA	1940355521
SNP_P1_110579_10822423	NC_021165.1	Ca_kabuli_chr06	10822423	AA	CC	1940355523
SNP_P1_110580_10825376	NC_021165.1	Ca_kabuli_chr06	10825376	CC	TT	1940355525
SNP_P1_110581_10828909	NC_021165.1	Ca_kabuli_chr06	10828909	GG	CC	1940355527
SNP_P1_110582_10841532	NC_021165.1	Ca_kabuli_chr06	10841532	CC	TT	1940355528
SNP_P1_110583_10841732	NC_021165.1	Ca_kabuli_chr06	10841732	TT	CC	1940355530
SNP_P1_110584_10841739	NC_021165.1	Ca_kabuli_chr06	10841739	TT	CC	1940355532
SNP_P1_110586_10855959	NC_021165.1	Ca_kabuli_chr06	10855959	TT	CC	1940355533
SNP_P1_110587_10855961	NC_021165.1	Ca_kabuli_chr06	10855961	TT	AA	1940355535
SNP_P1_110588_10914860	NC_021165.1	Ca_kabuli_chr06	10914860	TT	GG	1940355537
SNP_P1_110589_10916225	NC_021165.1	Ca_kabuli_chr06	10916225	AA	TT	1940355539
SNP_P1_110590_10916256	NC_021165.1	Ca_kabuli_chr06	10916256	AA	GG	1940355540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110592_10930098	NC_021165.1	Ca_kabuli_chr06	10930098	GG	CC	1940355544
SNP_P1_110593_10930188	NC_021165.1	Ca_kabuli_chr06	10930188	GG	AA	1940355546
SNP_P1_110594_10930263	NC_021165.1	Ca_kabuli_chr06	10930263	TT	CC	1940355547
SNP_P1_110596_10948623	NC_021165.1	Ca_kabuli_chr06	10948623	TT	AA	1940355549
SNP_P1_110597_10948630	NC_021165.1	Ca_kabuli_chr06	10948630	AA	CC	1940355551
SNP_P1_110598_10948637	NC_021165.1	Ca_kabuli_chr06	10948637	GG	TT	1940355553
SNP_P1_110599_10948679	NC_021165.1	Ca_kabuli_chr06	10948679	AA	GG	1940355554
SNP_P1_110600_10948700	NC_021165.1	Ca_kabuli_chr06	10948700	GG	CC	1940355556
SNP_P1_110601_10957017	NC_021165.1	Ca_kabuli_chr06	10957017	AA	GG	1940355558
SNP_P1_110603_10965323	NC_021165.1	Ca_kabuli_chr06	10965323	AA	TT	1940355559
SNP_P1_110605_10993479	NC_021165.1	Ca_kabuli_chr06	10993479	TT	CC	1940355561
SNP_P1_110609_10997239	NC_021165.1	Ca_kabuli_chr06	10997239	TT	CC	1940355563
SNP_P1_110610_10998841	NC_021165.1	Ca_kabuli_chr06	10998841	TT	AA	1940355565
SNP_P1_110611_10998893	NC_021165.1	Ca_kabuli_chr06	10998893	TT	AA	1940355566
SNP_P1_110612_10998894	NC_021165.1	Ca_kabuli_chr06	10998894	TT	AA	1940355568
SNP_P1_110613_11018983	NC_021165.1	Ca_kabuli_chr06	11018983	AA	GG	1940355570
SNP_P1_110614_11018995	NC_021165.1	Ca_kabuli_chr06	11018995	AA	CC	1940355572
SNP_P1_110615_11019003	NC_021165.1	Ca_kabuli_chr06	11019003	TT	CC	1940355573
SNP_P1_110616_11019012	NC_021165.1	Ca_kabuli_chr06	11019012	AA	CC	1940355575
SNP_P1_110617_11031538	NC_021165.1	Ca_kabuli_chr06	11031538	TT	CC	1940355577
SNP_P1_110618_11034430	NC_021165.1	Ca_kabuli_chr06	11034430	TT	CC	1940355579
SNP_P1_110619_11063136	NC_021165.1	Ca_kabuli_chr06	11063136	GG	TT	1940355580
SNP_P1_110620_11063831	NC_021165.1	Ca_kabuli_chr06	11063831	GG	AA	1940355582
SNP_P1_110621_11067513	NC_021165.1	Ca_kabuli_chr06	11067513	GG	CC	1940355584
SNP_P1_110622_11068383	NC_021165.1	Ca_kabuli_chr06	11068383	CC	TT	1940355586
SNP_P1_110623_11077036	NC_021165.1	Ca_kabuli_chr06	11077036	GG	TT	1940355587
SNP_P1_110624_11083219	NC_021165.1	Ca_kabuli_chr06	11083219	GG	AA	1940355589
SNP_P1_110626_11112055	NC_021165.1	Ca_kabuli_chr06	11112055	AA	GG	1940355591
SNP_P1_110627_11157372	NC_021165.1	Ca_kabuli_chr06	11157372	CC	GG	1940355592
SNP_P1_110628_11163190	NC_021165.1	Ca_kabuli_chr06	11163190	AA	CC	1940355594
SNP_P1_110629_11174147	NC_021165.1	Ca_kabuli_chr06	11174147	AA	GG	1940355596
SNP_P1_110631_11233584	NC_021165.1	Ca_kabuli_chr06	11233584	GG	AA	1940355598
SNP_P1_110632_11233607	NC_021165.1	Ca_kabuli_chr06	11233607	TT	AA	1940355599
SNP_P1_110633_11240699	NC_021165.1	Ca_kabuli_chr06	11240699	CC	GG	1940355601
SNP_P1_110636_11261317	NC_021165.1	Ca_kabuli_chr06	11261317	AA	GG	1940355603
SNP_P1_110637_11264815	NC_021165.1	Ca_kabuli_chr06	11264815	CC	TT	1940355605
SNP_P1_110638_11268823	NC_021165.1	Ca_kabuli_chr06	11268823	GG	TT	1940355606
SNP_P1_110639_11274467	NC_021165.1	Ca_kabuli_chr06	11274467	AA	TT	1940355608
SNP_P1_110641_11277565	NC_021165.1	Ca_kabuli_chr06	11277565	GG	AA	1940355610
SNP_P1_110642_11278756	NC_021165.1	Ca_kabuli_chr06	11278756	AA	CC	1940355612
SNP_P1_110643_11278760	NC_021165.1	Ca_kabuli_chr06	11278760	TT	GG	1940355613

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110645_11308881	NC_021165.1	Ca_kabuli_chr06	11308881	GG	AA	1940355617
SNP_P1_110646_11308893	NC_021165.1	Ca_kabuli_chr06	11308893	TT	AA	1940355619
SNP_P1_110647_11308949	NC_021165.1	Ca_kabuli_chr06	11308949	AA	TT	1940355620
SNP_P1_110648_11309088	NC_021165.1	Ca_kabuli_chr06	11309088	CC	AA	1940355622
SNP_P1_110649_11309346	NC_021165.1	Ca_kabuli_chr06	11309346	AA	TT	1940355624
SNP_P1_110650_11309486	NC_021165.1	Ca_kabuli_chr06	11309486	GG	AA	1940355625
SNP_P1_110651_11309834	NC_021165.1	Ca_kabuli_chr06	11309834	GG	TT	1940355627
SNP_P1_110652_11310351	NC_021165.1	Ca_kabuli_chr06	11310351	AA	GG	1940355629
SNP_P1_110653_11310383	NC_021165.1	Ca_kabuli_chr06	11310383	CC	AA	1940355631
SNP_P1_110654_11310559	NC_021165.1	Ca_kabuli_chr06	11310559	AA	GG	1940355632
SNP_P1_110655_11310568	NC_021165.1	Ca_kabuli_chr06	11310568	GG	AA	1940355634
SNP_P1_110656_11310610	NC_021165.1	Ca_kabuli_chr06	11310610	TT	GG	1940355636
SNP_P1_110657_11310678	NC_021165.1	Ca_kabuli_chr06	11310678	TT	CC	1940355638
SNP_P1_110658_11310736	NC_021165.1	Ca_kabuli_chr06	11310736	AA	GG	1940355639
SNP_P1_110660_11310810	NC_021165.1	Ca_kabuli_chr06	11310810	CC	TT	1940355641
SNP_P1_110661_11310833	NC_021165.1	Ca_kabuli_chr06	11310833	CC	TT	1940355643
SNP_P1_110663_11311012	NC_021165.1	Ca_kabuli_chr06	11311012	CC	TT	1940355645
SNP_P1_110664_11311101	NC_021165.1	Ca_kabuli_chr06	11311101	TT	GG	1940355646
SNP_P1_110665_11311238	NC_021165.1	Ca_kabuli_chr06	11311238	CC	TT	1940355648
SNP_P1_110666_11311261	NC_021165.1	Ca_kabuli_chr06	11311261	CC	TT	1940355650
SNP_P1_110667_11311281	NC_021165.1	Ca_kabuli_chr06	11311281	TT	AA	1940355652
SNP_P1_110668_11311282	NC_021165.1	Ca_kabuli_chr06	11311282	CC	AA	1940355653
SNP_P1_110669_11311283	NC_021165.1	Ca_kabuli_chr06	11311283	AA	TT	1940355655
SNP_P1_110670_11311304	NC_021165.1	Ca_kabuli_chr06	11311304	TT	CC	1940355657
SNP_P1_110671_11311425	NC_021165.1	Ca_kabuli_chr06	11311425	TT	AA	1940355659
SNP_P1_110672_11311483	NC_021165.1	Ca_kabuli_chr06	11311483	CC	TT	1940355660
SNP_P1_110673_11311669	NC_021165.1	Ca_kabuli_chr06	11311669	GG	AA	1940355662
SNP_P1_110674_11314190	NC_021165.1	Ca_kabuli_chr06	11314190	TT	CC	1940355664
SNP_P1_110675_11314198	NC_021165.1	Ca_kabuli_chr06	11314198	AA	TT	1940355665
SNP_P1_110676_11315521	NC_021165.1	Ca_kabuli_chr06	11315521	AA	TT	1940355667
SNP_P1_110677_11315524	NC_021165.1	Ca_kabuli_chr06	11315524	GG	CC	1940355669
SNP_P1_110678_11315542	NC_021165.1	Ca_kabuli_chr06	11315542	AA	TT	1940355671
SNP_P1_110679_11315544	NC_021165.1	Ca_kabuli_chr06	11315544	TT	CC	1940355672
SNP_P1_110681_11328360	NC_021165.1	Ca_kabuli_chr06	11328360	TT	CC	1940355674
SNP_P1_110682_11333557	NC_021165.1	Ca_kabuli_chr06	11333557	GG	AA	1940355676
SNP_P1_110683_11333563	NC_021165.1	Ca_kabuli_chr06	11333563	TT	CC	1940355678
SNP_P1_110684_11333570	NC_021165.1	Ca_kabuli_chr06	11333570	GG	AA	1940355679
SNP_P1_110686_11359541	NC_021165.1	Ca_kabuli_chr06	11359541	AA	GG	1940355681
SNP_P1_110687_11363508	NC_021165.1	Ca_kabuli_chr06	11363508	TT	CC	1940355683
SNP_P1_110690_11380424	NC_021165.1	Ca_kabuli_chr06	11380424	AA	GG	1940355685
SNP_P1_110691_11387484	NC_021165.1	Ca_kabuli_chr06	11387484	GG	AA	1940355686

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110695_11404210	NC_021165.1	Ca_kabuli_chr06	11404210	AA	CC	1940355690
SNP_P1_110696_11442370	NC_021165.1	Ca_kabuli_chr06	11442370	AA	TT	1940355691
SNP_P1_110697_11446516	NC_021165.1	Ca_kabuli_chr06	11446516	CC	AA	1940355693
SNP_P1_110698_11446517	NC_021165.1	Ca_kabuli_chr06	11446517	TT	CC	1940355695
SNP_P1_110699_11455743	NC_021165.1	Ca_kabuli_chr06	11455743	CC	TT	1940355697
SNP_P1_110700_11455757	NC_021165.1	Ca_kabuli_chr06	11455757	CC	TT	1940355698
SNP_P1_110701_11457238	NC_021165.1	Ca_kabuli_chr06	11457238	TT	CC	1940355700
SNP_P1_110702_11457377	NC_021165.1	Ca_kabuli_chr06	11457377	TT	AA	1940355702
SNP_P1_110704_11457521	NC_021165.1	Ca_kabuli_chr06	11457521	TT	CC	1940355704
SNP_P1_110705_11457525	NC_021165.1	Ca_kabuli_chr06	11457525	GG	AA	1940355705
SNP_P1_110706_11461671	NC_021165.1	Ca_kabuli_chr06	11461671	GG	AA	1940355707
SNP_P1_110707_11461684	NC_021165.1	Ca_kabuli_chr06	11461684	AA	GG	1940355709
SNP_P1_110708_11461687	NC_021165.1	Ca_kabuli_chr06	11461687	TT	CC	1940355711
SNP_P1_110709_11461692	NC_021165.1	Ca_kabuli_chr06	11461692	AA	CC	1940355712
SNP_P1_110710_11461746	NC_021165.1	Ca_kabuli_chr06	11461746	AA	GG	1940355714
SNP_P1_110711_11462000	NC_021165.1	Ca_kabuli_chr06	11462000	GG	TT	1940355716
SNP_P1_110714_11482767	NC_021165.1	Ca_kabuli_chr06	11482767	GG	AA	1940355718
SNP_P1_110716_11484567	NC_021165.1	Ca_kabuli_chr06	11484567	TT	CC	1940355719
SNP_P1_110717_11489811	NC_021165.1	Ca_kabuli_chr06	11489811	AA	CC	1940355721
SNP_P1_110718_11490286	NC_021165.1	Ca_kabuli_chr06	11490286	GG	AA	1940355723
SNP_P1_110719_11490288	NC_021165.1	Ca_kabuli_chr06	11490288	TT	GG	1940355724
SNP_P1_110720_11490566	NC_021165.1	Ca_kabuli_chr06	11490566	AA	CC	1940355726
SNP_P1_110721_11513694	NC_021165.1	Ca_kabuli_chr06	11513694	GG	CC	1940355728
SNP_P1_110722_11545886	NC_021165.1	Ca_kabuli_chr06	11545886	TT	CC	1940355730
SNP_P1_110723_11545948	NC_021165.1	Ca_kabuli_chr06	11545948	GG	AA	1940355731
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SNP_P1_110727_11546401	NC_021165.1	Ca_kabuli_chr06	11546401	CC	TT	1940355738
SNP_P1_110729_11546553	NC_021165.1	Ca_kabuli_chr06	11546553	AA	GG	1940355740
SNP_P1_110730_11546598	NC_021165.1	Ca_kabuli_chr06	11546598	AA	TT	1940355742
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SNP_P1_110732_11546660	NC_021165.1	Ca_kabuli_chr06	11546660	CC	AA	1940355745
SNP_P1_110733_11546696	NC_021165.1	Ca_kabuli_chr06	11546696	AA	TT	1940355747
SNP_P1_110735_11563485	NC_021165.1	Ca_kabuli_chr06	11563485	AA	GG	1940355749
SNP_P1_110736_11563528	NC_021165.1	Ca_kabuli_chr06	11563528	GG	AA	1940355751
SNP_P1_110738_11568243	NC_021165.1	Ca_kabuli_chr06	11568243	TT	CC	1940355752
SNP_P1_110739_11568355	NC_021165.1	Ca_kabuli_chr06	11568355	AA	TT	1940355754
SNP_P1_110740_11568448	NC_021165.1	Ca_kabuli_chr06	11568448	AA	TT	1940355756
SNP_P1_110741_11569090	NC_021165.1	Ca_kabuli_chr06	11569090	TT	AA	1940355758
SNP_P1_110743_11569301	NC_021165.1	Ca_kabuli_chr06	11569301	TT	GG	1940355759

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110746_11574565	NC_021165.1	Ca_kabuli_chr06	11574565	CC	TT	1940355764
SNP_P1_110747_11578380	NC_021165.1	Ca_kabuli_chr06	11578380	TT	CC	1940355766
SNP_P1_110749_11590175	NC_021165.1	Ca_kabuli_chr06	11590175	TT	CC	1940355768
SNP_P1_110751_11590774	NC_021165.1	Ca_kabuli_chr06	11590774	CC	TT	1940355770
SNP_P1_110752_11590790	NC_021165.1	Ca_kabuli_chr06	11590790	CC	TT	1940355771
SNP_P1_110753_11591135	NC_021165.1	Ca_kabuli_chr06	11591135	GG	AA	1940355773
SNP_P1_110754_11591412	NC_021165.1	Ca_kabuli_chr06	11591412	CC	TT	1940355775
SNP_P1_110755_11591444	NC_021165.1	Ca_kabuli_chr06	11591444	CC	TT	1940355777
SNP_P1_110756_11591470	NC_021165.1	Ca_kabuli_chr06	11591470	GG	CC	1940355778
SNP_P1_110757_11591492	NC_021165.1	Ca_kabuli_chr06	11591492	CC	TT	1940355780
SNP_P1_110758_11591511	NC_021165.1	Ca_kabuli_chr06	11591511	GG	AA	1940355782
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SNP_P1_110760_11591803	NC_021165.1	Ca_kabuli_chr06	11591803	AA	CC	1940355785
SNP_P1_110762_11592506	NC_021165.1	Ca_kabuli_chr06	11592506	CC	TT	1940355787
SNP_P1_110763_11592534	NC_021165.1	Ca_kabuli_chr06	11592534	GG	AA	1940355789
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SNP_P1_110765_11592878	NC_021165.1	Ca_kabuli_chr06	11592878	CC	AA	1940355792
SNP_P1_110766_11592884	NC_021165.1	Ca_kabuli_chr06	11592884	AA	GG	1940355794
SNP_P1_110767_11592924	NC_021165.1	Ca_kabuli_chr06	11592924	GG	TT	1940355796
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SNP_P1_110770_11593235	NC_021165.1	Ca_kabuli_chr06	11593235	AA	GG	1940355801
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SNP_P1_110776_11593959	NC_021165.1	Ca_kabuli_chr06	11593959	GG	AA	1940355811
SNP_P1_110777_11594958	NC_021165.1	Ca_kabuli_chr06	11594958	GG	AA	1940355813
SNP_P1_110778_11595338	NC_021165.1	Ca_kabuli_chr06	11595338	AA	GG	1940355815
SNP_P1_110779_11595582	NC_021165.1	Ca_kabuli_chr06	11595582	TT	CC	1940355817
SNP_P1_110780_11595587	NC_021165.1	Ca_kabuli_chr06	11595587	AA	GG	1940355818
SNP_P1_110781_11596237	NC_021165.1	Ca_kabuli_chr06	11596237	AA	GG	1940355820
SNP_P1_110782_11596583	NC_021165.1	Ca_kabuli_chr06	11596583	CC	TT	1940355822
SNP_P1_110783_11596805	NC_021165.1	Ca_kabuli_chr06	11596805	GG	AA	1940355823
SNP_P1_110784_11596991	NC_021165.1	Ca_kabuli_chr06	11596991	GG	AA	1940355825
SNP_P1_110785_11597098	NC_021165.1	Ca_kabuli_chr06	11597098	GG	AA	1940355827
SNP_P1_110786_11597399	NC_021165.1	Ca_kabuli_chr06	11597399	TT	GG	1940355829
SNP_P1_110787_11597768	NC_021165.1	Ca_kabuli_chr06	11597768	CC	TT	1940355830
SNP_P1_110788_11597954	NC_021165.1	Ca_kabuli_chr06	11597954	CC	TT	1940355832

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110790_11598069	NC_021165.1	Ca_kabuli_chr06	11598069	CC	AA	1940355836
SNP_P1_110791_11598332	NC_021165.1	Ca_kabuli_chr06	11598332	AA	CC	1940355837
SNP_P1_110792_11598419	NC_021165.1	Ca_kabuli_chr06	11598419	GG	AA	1940355839
SNP_P1_110793_11598957	NC_021165.1	Ca_kabuli_chr06	11598957	CC	AA	1940355841
SNP_P1_110794_11599084	NC_021165.1	Ca_kabuli_chr06	11599084	CC	TT	1940355843
SNP_P1_110795_11599398	NC_021165.1	Ca_kabuli_chr06	11599398	AA	GG	1940355844
SNP_P1_110796_11600185	NC_021165.1	Ca_kabuli_chr06	11600185	GG	AA	1940355846
SNP_P1_110797_11600318	NC_021165.1	Ca_kabuli_chr06	11600318	TT	CC	1940355848
SNP_P1_110798_11601195	NC_021165.1	Ca_kabuli_chr06	11601195	CC	TT	1940355850
SNP_P1_110799_11601196	NC_021165.1	Ca_kabuli_chr06	11601196	AA	GG	1940355851
SNP_P1_110800_11601221	NC_021165.1	Ca_kabuli_chr06	11601221	AA	TT	1940355853
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SNP_P1_110802_11601229	NC_021165.1	Ca_kabuli_chr06	11601229	GG	AA	1940355856
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SNP_P1_110805_11601458	NC_021165.1	Ca_kabuli_chr06	11601458	TT	CC	1940355862
SNP_P1_110806_11601704	NC_021165.1	Ca_kabuli_chr06	11601704	CC	TT	1940355863
SNP_P1_110807_11601734	NC_021165.1	Ca_kabuli_chr06	11601734	CC	TT	1940355865
SNP_P1_110808_11601771	NC_021165.1	Ca_kabuli_chr06	11601771	TT	AA	1940355867
SNP_P1_110809_11601782	NC_021165.1	Ca_kabuli_chr06	11601782	GG	AA	1940355869
SNP_P1_110810_11602194	NC_021165.1	Ca_kabuli_chr06	11602194	TT	CC	1940355870
SNP_P1_110811_11602198	NC_021165.1	Ca_kabuli_chr06	11602198	AA	GG	1940355872
SNP_P1_110812_11602266	NC_021165.1	Ca_kabuli_chr06	11602266	AA	TT	1940355874
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SNP_P1_110814_11602299	NC_021165.1	Ca_kabuli_chr06	11602299	AA	GG	1940355877
SNP_P1_110815_11602607	NC_021165.1	Ca_kabuli_chr06	11602607	TT	CC	1940355879
SNP_P1_110816_11602663	NC_021165.1	Ca_kabuli_chr06	11602663	CC	AA	1940355881
SNP_P1_110817_11602664	NC_021165.1	Ca_kabuli_chr06	11602664	TT	CC	1940355882
SNP_P1_110818_11602732	NC_021165.1	Ca_kabuli_chr06	11602732	CC	TT	1940355884
SNP_P1_110819_11602876	NC_021165.1	Ca_kabuli_chr06	11602876	TT	GG	1940355886
SNP_P1_110820_11603640	NC_021165.1	Ca_kabuli_chr06	11603640	CC	AA	1940355888
SNP_P1_110821_11603680	NC_021165.1	Ca_kabuli_chr06	11603680	AA	CC	1940355889
SNP_P1_110822_11604028	NC_021165.1	Ca_kabuli_chr06	11604028	CC	TT	1940355891
SNP_P1_110823_11604385	NC_021165.1	Ca_kabuli_chr06	11604385	TT	CC	1940355893
SNP_P1_110824_11606588	NC_021165.1	Ca_kabuli_chr06	11606588	AA	GG	1940355895
SNP_P1_110825_11606616	NC_021165.1	Ca_kabuli_chr06	11606616	CC	GG	1940355896
SNP_P1_110826_11606633	NC_021165.1	Ca_kabuli_chr06	11606633	TT	CC	1940355898
SNP_P1_110827_11608531	NC_021165.1	Ca_kabuli_chr06	11608531	CC	TT	1940355900
SNP_P1_110828_11608562	NC_021165.1	Ca_kabuli_chr06	11608562	TT	CC	1940355902
SNP_P1_110829_11608582	NC_021165.1	Ca_kabuli_chr06	11608582	AA	GG	1940355903
SNP_P1_110830_11609274	NC_021165.1	Ca_kabuli_chr06	11609274	GG	AA	1940355905

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110832_11611099	NC_021165.1	Ca_kabuli_chr06	11611099	GG	AA	1940355909
SNP_P1_110833_11612012	NC_021165.1	Ca_kabuli_chr06	11612012	CC	TT	1940355910
SNP_P1_110834_11612373	NC_021165.1	Ca_kabuli_chr06	11612373	CC	TT	1940355912
SNP_P1_110835_11613715	NC_021165.1	Ca_kabuli_chr06	11613715	CC	AA	1940355914
SNP_P1_110836_11613994	NC_021165.1	Ca_kabuli_chr06	11613994	TT	CC	1940355916
SNP_P1_110837_11614493	NC_021165.1	Ca_kabuli_chr06	11614493	TT	CC	1940355917
SNP_P1_110838_11615579	NC_021165.1	Ca_kabuli_chr06	11615579	AA	CC	1940355919
SNP_P1_110839_11616003	NC_021165.1	Ca_kabuli_chr06	11616003	AA	GG	1940355921
SNP_P1_110840_11616633	NC_021165.1	Ca_kabuli_chr06	11616633	CC	TT	1940355922
SNP_P1_110841_11617102	NC_021165.1	Ca_kabuli_chr06	11617102	AA	GG	1940355924
SNP_P1_110843_11617590	NC_021165.1	Ca_kabuli_chr06	11617590	AA	TT	1940355926
SNP_P1_110845_11619210	NC_021165.1	Ca_kabuli_chr06	11619210	GG	AA	1940355928
SNP_P1_110846_11619950	NC_021165.1	Ca_kabuli_chr06	11619950	CC	TT	1940355929
SNP_P1_110847_11620063	NC_021165.1	Ca_kabuli_chr06	11620063	AA	TT	1940355931
SNP_P1_110849_11622141	NC_021165.1	Ca_kabuli_chr06	11622141	AA	GG	1940355933
SNP_P1_110850_11622163	NC_021165.1	Ca_kabuli_chr06	11622163	CC	TT	1940355935
SNP_P1_110851_11622194	NC_021165.1	Ca_kabuli_chr06	11622194	CC	TT	1940355936
SNP_P1_110852_11622257	NC_021165.1	Ca_kabuli_chr06	11622257	GG	AA	1940355938
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SNP_P1_110855_11624397	NC_021165.1	Ca_kabuli_chr06	11624397	GG	AA	1940355942
SNP_P1_110856_11625762	NC_021165.1	Ca_kabuli_chr06	11625762	AA	CC	1940355943
SNP_P1_110857_11627524	NC_021165.1	Ca_kabuli_chr06	11627524	GG	AA	1940355945
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SNP_P1_110860_11628312	NC_021165.1	Ca_kabuli_chr06	11628312	CC	AA	1940355950
SNP_P1_110861_11628497	NC_021165.1	Ca_kabuli_chr06	11628497	AA	CC	1940355952
SNP_P1_110862_11628568	NC_021165.1	Ca_kabuli_chr06	11628568	CC	TT	1940355954
SNP_P1_110864_11630396	NC_021165.1	Ca_kabuli_chr06	11630396	GG	AA	1940355955
SNP_P1_110865_11630606	NC_021165.1	Ca_kabuli_chr06	11630606	TT	CC	1940355957
SNP_P1_110867_11630676	NC_021165.1	Ca_kabuli_chr06	11630676	TT	CC	1940355959
SNP_P1_110869_11631538	NC_021165.1	Ca_kabuli_chr06	11631538	CC	TT	1940355961
SNP_P1_110870_11631541	NC_021165.1	Ca_kabuli_chr06	11631541	AA	CC	1940355962
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SNP_P1_110875_11636835	NC_021165.1	Ca_kabuli_chr06	11636835	GG	AA	1940355966
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SNP_P1_110877_11637695	NC_021165.1	Ca_kabuli_chr06	11637695	TT	GG	1940355969
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SNP_P1_110879_11642890	NC_021165.1	Ca_kabuli_chr06	11642890	CC	GG	1940355973
SNP_P1_110880_11643002	NC_021165.1	Ca_kabuli_chr06	11643002	CC	TT	1940355975
SNP_P1_110881_11644531	NC_021165.1	Ca_kabuli_chr06	11644531	AA	CC	1940355976
SNP_P1_110882_11644624	NC_021165.1	Ca_kabuli_chr06	11644624	TT	GG	1940355978

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110885_11648253	NC_021165.1	Ca_kabuli_chr06	11648253	TT	CC	1940355983
SNP_P1_110887_11649004	NC_021165.1	Ca_kabuli_chr06	11649004	AA	GG	1940355985
SNP_P1_110888_11649201	NC_021165.1	Ca_kabuli_chr06	11649201	CC	AA	1940355987
SNP_P1_110889_11649280	NC_021165.1	Ca_kabuli_chr06	11649280	TT	CC	1940355988
SNP_P1_110890_11649283	NC_021165.1	Ca_kabuli_chr06	11649283	AA	GG	1940355990
SNP_P1_110891_11649285	NC_021165.1	Ca_kabuli_chr06	11649285	TT	AA	1940355992
SNP_P1_110892_11649444	NC_021165.1	Ca_kabuli_chr06	11649444	CC	TT	1940355994
SNP_P1_110893_11649612	NC_021165.1	Ca_kabuli_chr06	11649612	AA	GG	1940355995
SNP_P1_110895_11649734	NC_021165.1	Ca_kabuli_chr06	11649734	TT	GG	1940355997
SNP_P1_110896_11649937	NC_021165.1	Ca_kabuli_chr06	11649937	CC	TT	1940355999
SNP_P1_110898_11650875	NC_021165.1	Ca_kabuli_chr06	11650875	AA	GG	1940356001
SNP_P1_110899_11650946	NC_021165.1	Ca_kabuli_chr06	11650946	TT	CC	1940356002
SNP_P1_110900_11650978	NC_021165.1	Ca_kabuli_chr06	11650978	TT	AA	1940356004
SNP_P1_110901_11653813	NC_021165.1	Ca_kabuli_chr06	11653813	AA	TT	1940356006
SNP_P1_110903_11654273	NC_021165.1	Ca_kabuli_chr06	11654273	TT	AA	1940356007
SNP_P1_110904_11654376	NC_021165.1	Ca_kabuli_chr06	11654376	TT	AA	1940356009
SNP_P1_110905_11654410	NC_021165.1	Ca_kabuli_chr06	11654410	TT	CC	1940356011
SNP_P1_110907_11654695	NC_021165.1	Ca_kabuli_chr06	11654695	GG	AA	1940356013
SNP_P1_110908_11654973	NC_021165.1	Ca_kabuli_chr06	11654973	CC	AA	1940356014
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SNP_P1_110913_11657603	NC_021165.1	Ca_kabuli_chr06	11657603	CC	TT	1940356018
SNP_P1_110914_11659814	NC_021165.1	Ca_kabuli_chr06	11659814	AA	GG	1940356020
SNP_P1_110915_11660434	NC_021165.1	Ca_kabuli_chr06	11660434	GG	CC	1940356021
SNP_P1_110916_11660455	NC_021165.1	Ca_kabuli_chr06	11660455	AA	TT	1940356023
SNP_P1_110917_11660456	NC_021165.1	Ca_kabuli_chr06	11660456	AA	CC	1940356025
SNP_P1_110918_11660458	NC_021165.1	Ca_kabuli_chr06	11660458	GG	CC	1940356027
SNP_P1_110919_11660474	NC_021165.1	Ca_kabuli_chr06	11660474	AA	GG	1940356028
SNP_P1_110920_11660970	NC_021165.1	Ca_kabuli_chr06	11660970	TT	CC	1940356030
SNP_P1_110921_11662695	NC_021165.1	Ca_kabuli_chr06	11662695	GG	AA	1940356032
SNP_P1_110922_11662706	NC_021165.1	Ca_kabuli_chr06	11662706	TT	CC	1940356033
SNP_P1_110923_11662901	NC_021165.1	Ca_kabuli_chr06	11662901	AA	GG	1940356035
SNP_P1_110924_11662918	NC_021165.1	Ca_kabuli_chr06	11662918	CC	TT	1940356037
SNP_P1_110925_11662927	NC_021165.1	Ca_kabuli_chr06	11662927	AA	GG	1940356039
SNP_P1_110926_11662950	NC_021165.1	Ca_kabuli_chr06	11662950	TT	CC	1940356040
SNP_P1_110927_11662978	NC_021165.1	Ca_kabuli_chr06	11662978	AA	GG	1940356042
SNP_P1_110928_11662984	NC_021165.1	Ca_kabuli_chr06	11662984	AA	CC	1940356044
SNP_P1_110929_11663036	NC_021165.1	Ca_kabuli_chr06	11663036	CC	TT	1940356046
SNP_P1_110930_11663253	NC_021165.1	Ca_kabuli_chr06	11663253	GG	AA	1940356047
SNP_P1_110931_11663281	NC_021165.1	Ca_kabuli_chr06	11663281	GG	AA	1940356049
SNP_P1_110932_11663348	NC_021165.1	Ca_kabuli_chr06	11663348	GG	AA	1940356051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110934_11663388	NC_021165.1	Ca_kabuli_chr06	11663388	GG	AA	1940356054
SNP_P1_110935_11663544	NC_021165.1	Ca_kabuli_chr06	11663544	GG	AA	1940356056
SNP_P1_110938_11663727	NC_021165.1	Ca_kabuli_chr06	11663727	TT	CC	1940356058
SNP_P1_110939_11663737	NC_021165.1	Ca_kabuli_chr06	11663737	GG	TT	1940356060
SNP_P1_110940_11666585	NC_021165.1	Ca_kabuli_chr06	11666585	AA	CC	1940356061
SNP_P1_110941_11666601	NC_021165.1	Ca_kabuli_chr06	11666601	AA	GG	1940356063
SNP_P1_110942_11666677	NC_021165.1	Ca_kabuli_chr06	11666677	AA	GG	1940356065
SNP_P1_110944_11667164	NC_021165.1	Ca_kabuli_chr06	11667164	AA	TT	1940356066
SNP_P1_110945_11667191	NC_021165.1	Ca_kabuli_chr06	11667191	AA	GG	1940356068
SNP_P1_110946_11667678	NC_021165.1	Ca_kabuli_chr06	11667678	AA	GG	1940356070
SNP_P1_110947_11668281	NC_021165.1	Ca_kabuli_chr06	11668281	CC	TT	1940356072
SNP_P1_110948_11668433	NC_021165.1	Ca_kabuli_chr06	11668433	GG	TT	1940356073
SNP_P1_110949_11670635	NC_021165.1	Ca_kabuli_chr06	11670635	GG	AA	1940356075
SNP_P1_110950_11671567	NC_021165.1	Ca_kabuli_chr06	11671567	CC	AA	1940356077
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SNP_P1_110952_11672036	NC_021165.1	Ca_kabuli_chr06	11672036	TT	AA	1940356080
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SNP_P1_110957_11673317	NC_021165.1	Ca_kabuli_chr06	11673317	CC	TT	1940356089
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SNP_P1_110959_11673493	NC_021165.1	Ca_kabuli_chr06	11673493	TT	CC	1940356093
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SNP_P1_110963_11676254	NC_021165.1	Ca_kabuli_chr06	11676254	TT	AA	1940356100
SNP_P1_110964_11676332	NC_021165.1	Ca_kabuli_chr06	11676332	GG	AA	1940356101
SNP_P1_110965_11676334	NC_021165.1	Ca_kabuli_chr06	11676334	CC	TT	1940356103
SNP_P1_110966_11676360	NC_021165.1	Ca_kabuli_chr06	11676360	AA	GG	1940356105
SNP_P1_110967_11676385	NC_021165.1	Ca_kabuli_chr06	11676385	AA	GG	1940356106
SNP_P1_110968_11677289	NC_021165.1	Ca_kabuli_chr06	11677289	TT	CC	1940356108
SNP_P1_110969_11677313	NC_021165.1	Ca_kabuli_chr06	11677313	GG	AA	1940356110
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SNP_P1_110971_11677411	NC_021165.1	Ca_kabuli_chr06	11677411	TT	CC	1940356113
SNP_P1_110972_11677484	NC_021165.1	Ca_kabuli_chr06	11677484	GG	AA	1940356115
SNP_P1_110973_11677489	NC_021165.1	Ca_kabuli_chr06	11677489	AA	CC	1940356117
SNP_P1_110974_11677518	NC_021165.1	Ca_kabuli_chr06	11677518	GG	TT	1940356119
SNP_P1_110975_11677585	NC_021165.1	Ca_kabuli_chr06	11677585	TT	CC	1940356120
SNP_P1_110976_11677645	NC_021165.1	Ca_kabuli_chr06	11677645	AA	GG	1940356122
SNP_P1_110977_11677757	NC_021165.1	Ca_kabuli_chr06	11677757	CC	GG	1940356124

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_110980_11677929	NC_021165.1	Ca_kabuli_chr06	11677929	GG	TT	1940356129
SNP_P1_110981_11677992	NC_021165.1	Ca_kabuli_chr06	11677992	TT	CC	1940356131
SNP_P1_110982_11678005	NC_021165.1	Ca_kabuli_chr06	11678005	CC	TT	1940356133
SNP_P1_110983_11678063	NC_021165.1	Ca_kabuli_chr06	11678063	AA	GG	1940356135
SNP_P1_110984_11678073	NC_021165.1	Ca_kabuli_chr06	11678073	CC	TT	1940356136
SNP_P1_110985_11678078	NC_021165.1	Ca_kabuli_chr06	11678078	TT	AA	1940356138
SNP_P1_110986_11678086	NC_021165.1	Ca_kabuli_chr06	11678086	AA	GG	1940356140
SNP_P1_110987_11678320	NC_021165.1	Ca_kabuli_chr06	11678320	AA	GG	1940356142
SNP_P1_110988_11678427	NC_021165.1	Ca_kabuli_chr06	11678427	TT	CC	1940356143
SNP_P1_110989_11678473	NC_021165.1	Ca_kabuli_chr06	11678473	GG	AA	1940356145
SNP_P1_110990_11678636	NC_021165.1	Ca_kabuli_chr06	11678636	AA	CC	1940356147
SNP_P1_110991_11678844	NC_021165.1	Ca_kabuli_chr06	11678844	GG	AA	1940356149
SNP_P1_110992_11679013	NC_021165.1	Ca_kabuli_chr06	11679013	TT	CC	1940356150
SNP_P1_110993_11679082	NC_021165.1	Ca_kabuli_chr06	11679082	AA	GG	1940356152
SNP_P1_110994_11679298	NC_021165.1	Ca_kabuli_chr06	11679298	CC	TT	1940356154
SNP_P1_110995_11679351	NC_021165.1	Ca_kabuli_chr06	11679351	GG	AA	1940356156
SNP_P1_110996_11679494	NC_021165.1	Ca_kabuli_chr06	11679494	CC	TT	1940356157
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SNP_P1_110998_11679562	NC_021165.1	Ca_kabuli_chr06	11679562	TT	CC	1940356161
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SNP_P1_111000_11679983	NC_021165.1	Ca_kabuli_chr06	11679983	AA	CC	1940356164
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SNP_P1_111003_11680817	NC_021165.1	Ca_kabuli_chr06	11680817	AA	GG	1940356168
SNP_P1_111009_11681806	NC_021165.1	Ca_kabuli_chr06	11681806	AA	TT	1940356170
SNP_P1_111010_11682045	NC_021165.1	Ca_kabuli_chr06	11682045	GG	AA	1940356171
SNP_P1_111011_11682063	NC_021165.1	Ca_kabuli_chr06	11682063	TT	GG	1940356173
SNP_P1_111012_11682079	NC_021165.1	Ca_kabuli_chr06	11682079	CC	TT	1940356175
SNP_P1_111014_11682145	NC_021165.1	Ca_kabuli_chr06	11682145	TT	GG	1940356177
SNP_P1_111015_11682748	NC_021165.1	Ca_kabuli_chr06	11682748	CC	TT	1940356178
SNP_P1_111016_11682751	NC_021165.1	Ca_kabuli_chr06	11682751	TT	CC	1940356180
SNP_P1_111017_11682782	NC_021165.1	Ca_kabuli_chr06	11682782	AA	GG	1940356182
SNP_P1_111018_11682789	NC_021165.1	Ca_kabuli_chr06	11682789	TT	CC	1940356184
SNP_P1_111019_11682816	NC_021165.1	Ca_kabuli_chr06	11682816	GG	AA	1940356185
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SNP_P1_111021_11682933	NC_021165.1	Ca_kabuli_chr06	11682933	TT	AA	1940356189
SNP_P1_111022_11683100	NC_021165.1	Ca_kabuli_chr06	11683100	TT	CC	1940356190
SNP_P1_111023_11683114	NC_021165.1	Ca_kabuli_chr06	11683114	AA	GG	1940356192
SNP_P1_111024_11683121	NC_021165.1	Ca_kabuli_chr06	11683121	AA	TT	1940356194
SNP_P1_111025_11683839	NC_021165.1	Ca_kabuli_chr06	11683839	AA	TT	1940356196
SNP_P1_111026_11683996	NC_021165.1	Ca_kabuli_chr06	11683996	TT	AA	1940356197

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111029_11684333	NC_021165.1	Ca_kabuli_chr06	11684333	AA	CC	1940356203
SNP_P1_111031_11686306	NC_021165.1	Ca_kabuli_chr06	11686306	CC	TT	1940356204
SNP_P1_111032_11686316	NC_021165.1	Ca_kabuli_chr06	11686316	AA	GG	1940356206
SNP_P1_111033_11686430	NC_021165.1	Ca_kabuli_chr06	11686430	TT	CC	1940356208
SNP_P1_111034_11686753	NC_021165.1	Ca_kabuli_chr06	11686753	AA	GG	1940356210
SNP_P1_111035_11686782	NC_021165.1	Ca_kabuli_chr06	11686782	TT	CC	1940356211
SNP_P1_111036_11687081	NC_021165.1	Ca_kabuli_chr06	11687081	GG	TT	1940356213
SNP_P1_111037_11687206	NC_021165.1	Ca_kabuli_chr06	11687206	CC	GG	1940356215
SNP_P1_111038_11687208	NC_021165.1	Ca_kabuli_chr06	11687208	AA	GG	1940356217
SNP_P1_111039_11687247	NC_021165.1	Ca_kabuli_chr06	11687247	TT	CC	1940356218
SNP_P1_111041_11689236	NC_021165.1	Ca_kabuli_chr06	11689236	AA	GG	1940356220
SNP_P1_111042_11689480	NC_021165.1	Ca_kabuli_chr06	11689480	TT	CC	1940356222
SNP_P1_111043_11689724	NC_021165.1	Ca_kabuli_chr06	11689724	GG	CC	1940356223
SNP_P1_111044_11689812	NC_021165.1	Ca_kabuli_chr06	11689812	CC	AA	1940356225
SNP_P1_111045_11690062	NC_021165.1	Ca_kabuli_chr06	11690062	AA	GG	1940356227
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SNP_P1_111047_11690140	NC_021165.1	Ca_kabuli_chr06	11690140	TT	AA	1940356230
SNP_P1_111049_11691924	NC_021165.1	Ca_kabuli_chr06	11691924	GG	TT	1940356232
SNP_P1_111052_11693196	NC_021165.1	Ca_kabuli_chr06	11693196	TT	AA	1940356234
SNP_P1_111053_11693343	NC_021165.1	Ca_kabuli_chr06	11693343	TT	AA	1940356236
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SNP_P1_111057_11696149	NC_021165.1	Ca_kabuli_chr06	11696149	CC	TT	1940356241
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SNP_P1_111060_11697406	NC_021165.1	Ca_kabuli_chr06	11697406	AA	TT	1940356246
SNP_P1_111061_11697536	NC_021165.1	Ca_kabuli_chr06	11697536	TT	CC	1940356248
SNP_P1_111062_11697586	NC_021165.1	Ca_kabuli_chr06	11697586	GG	AA	1940356250
SNP_P1_111063_11697627	NC_021165.1	Ca_kabuli_chr06	11697627	AA	GG	1940356251
SNP_P1_111064_11697697	NC_021165.1	Ca_kabuli_chr06	11697697	GG	AA	1940356253
SNP_P1_111065_11699848	NC_021165.1	Ca_kabuli_chr06	11699848	AA	GG	1940356255
SNP_P1_111066_11700400	NC_021165.1	Ca_kabuli_chr06	11700400	AA	CC	1940356256
SNP_P1_111067_11700432	NC_021165.1	Ca_kabuli_chr06	11700432	TT	GG	1940356258
SNP_P1_111068_11701474	NC_021165.1	Ca_kabuli_chr06	11701474	AA	GG	1940356260
SNP_P1_111069_11701764	NC_021165.1	Ca_kabuli_chr06	11701764	AA	CC	1940356262
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SNP_P1_111071_11703431	NC_021165.1	Ca_kabuli_chr06	11703431	CC	TT	1940356265
SNP_P1_111072_11703438	NC_021165.1	Ca_kabuli_chr06	11703438	TT	GG	1940356267
SNP_P1_111073_11703483	NC_021165.1	Ca_kabuli_chr06	11703483	CC	TT	1940356269
SNP_P1_111074_11704722	NC_021165.1	Ca_kabuli_chr06	11704722	AA	TT	1940356270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111079_11706410	NC_021165.1	Ca_kabuli_chr06	11706410	CC	TT	1940356276
SNP_P1_111080_11707013	NC_021165.1	Ca_kabuli_chr06	11707013	TT	CC	1940356277
SNP_P1_111081_11707020	NC_021165.1	Ca_kabuli_chr06	11707020	AA	TT	1940356279
SNP_P1_111082_11707021	NC_021165.1	Ca_kabuli_chr06	11707021	TT	AA	1940356281
SNP_P1_111083_11707248	NC_021165.1	Ca_kabuli_chr06	11707248	GG	AA	1940356283
SNP_P1_111085_11707307	NC_021165.1	Ca_kabuli_chr06	11707307	AA	GG	1940356284
SNP_P1_111086_11707575	NC_021165.1	Ca_kabuli_chr06	11707575	TT	CC	1940356286
SNP_P1_111087_11709276	NC_021165.1	Ca_kabuli_chr06	11709276	AA	GG	1940356288
SNP_P1_111088_11709305	NC_021165.1	Ca_kabuli_chr06	11709305	TT	AA	1940356290
SNP_P1_111089_11709307	NC_021165.1	Ca_kabuli_chr06	11709307	GG	AA	1940356291
SNP_P1_111091_11710129	NC_021165.1	Ca_kabuli_chr06	11710129	AA	CC	1940356293
SNP_P1_111092_11710426	NC_021165.1	Ca_kabuli_chr06	11710426	AA	GG	1940356295
SNP_P1_111093_11710815	NC_021165.1	Ca_kabuli_chr06	11710815	AA	CC	1940356297
SNP_P1_111094_11710819	NC_021165.1	Ca_kabuli_chr06	11710819	GG	AA	1940356298
SNP_P1_111095_11710824	NC_021165.1	Ca_kabuli_chr06	11710824	AA	GG	1940356300
SNP_P1_111096_11711086	NC_021165.1	Ca_kabuli_chr06	11711086	GG	TT	1940356302
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SNP_P1_111099_11712794	NC_021165.1	Ca_kabuli_chr06	11712794	TT	CC	1940356305
SNP_P1_111100_11714525	NC_021165.1	Ca_kabuli_chr06	11714525	TT	GG	1940356307
SNP_P1_111101_11714531	NC_021165.1	Ca_kabuli_chr06	11714531	AA	GG	1940356309
SNP_P1_111103_11714899	NC_021165.1	Ca_kabuli_chr06	11714899	TT	GG	1940356310
SNP_P1_111104_11715897	NC_021165.1	Ca_kabuli_chr06	11715897	TT	CC	1940356312
SNP_P1_111105_11716452	NC_021165.1	Ca_kabuli_chr06	11716452	CC	TT	1940356314
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SNP_P1_111108_11717814	NC_021165.1	Ca_kabuli_chr06	11717814	GG	AA	1940356317
SNP_P1_111109_11718894	NC_021165.1	Ca_kabuli_chr06	11718894	GG	TT	1940356319
SNP_P1_111110_11719478	NC_021165.1	Ca_kabuli_chr06	11719478	AA	GG	1940356321
SNP_P1_111111_11719802	NC_021165.1	Ca_kabuli_chr06	11719802	TT	AA	1940356323
SNP_P1_111112_11719832	NC_021165.1	Ca_kabuli_chr06	11719832	CC	TT	1940356324
SNP_P1_111113_11719837	NC_021165.1	Ca_kabuli_chr06	11719837	CC	AA	1940356326
SNP_P1_111114_11720084	NC_021165.1	Ca_kabuli_chr06	11720084	CC	AA	1940356328
SNP_P1_111115_11720119	NC_021165.1	Ca_kabuli_chr06	11720119	TT	CC	1940356329
SNP_P1_111116_11720673	NC_021165.1	Ca_kabuli_chr06	11720673	TT	CC	1940356331
SNP_P1_111117_11720685	NC_021165.1	Ca_kabuli_chr06	11720685	GG	AA	1940356333
SNP_P1_111118_11720806	NC_021165.1	Ca_kabuli_chr06	11720806	AA	GG	1940356335
SNP_P1_111119_11720854	NC_021165.1	Ca_kabuli_chr06	11720854	GG	AA	1940356336
SNP_P1_111120_11720856	NC_021165.1	Ca_kabuli_chr06	11720856	GG	AA	1940356338
SNP_P1_111121_11721054	NC_021165.1	Ca_kabuli_chr06	11721054	GG	AA	1940356340
SNP_P1_111122_11721189	NC_021165.1	Ca_kabuli_chr06	11721189	AA	GG	1940356342
SNP_P1_111123_11721211	NC_021165.1	Ca_kabuli_chr06	11721211	AA	GG	1940356343

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_111124_11721255	NC_021165.1	Ca_kabuli_chr06	11721255	GG	AA	1940356345
SNP_P1_111125_11721272	NC_021165.1	Ca_kabuli_chr06	11721272	TT	AA	1940356347
SNP_P1_111127_11721320	NC_021165.1	Ca_kabuli_chr06	11721320	AA	CC	1940356349
SNP_P1_111128_11721406	NC_021165.1	Ca_kabuli_chr06	11721406	CC	GG	1940356350
SNP_P1_111129_11721531	NC_021165.1	Ca_kabuli_chr06	11721531	AA	GG	1940356352
SNP_P1_111130_11721853	NC_021165.1	Ca_kabuli_chr06	11721853	AA	GG	1940356354
SNP_P1_111131_11722299	NC_021165.1	Ca_kabuli_chr06	11722299	TT	CC	1940356356
SNP_P1_111132_11722355	NC_021165.1	Ca_kabuli_chr06	11722355	GG	AA	1940356357
SNP_P1_111133_11722366	NC_021165.1	Ca_kabuli_chr06	11722366	CC	GG	1940356359
SNP_P1_111134_11722411	NC_021165.1	Ca_kabuli_chr06	11722411	GG	AA	1940356361
SNP_P1_111136_11722650	NC_021165.1	Ca_kabuli_chr06	11722650	CC	AA	1940356363
SNP_P1_111137_11723422	NC_021165.1	Ca_kabuli_chr06	11723422	AA	CC	1940356364
SNP_P1_111138_11723742	NC_021165.1	Ca_kabuli_chr06	11723742	GG	TT	1940356366
SNP_P1_111139_11726313	NC_021165.1	Ca_kabuli_chr06	11726313	AA	CC	1940356368
SNP_P1_111140_11726698	NC_021165.1	Ca_kabuli_chr06	11726698	CC	TT	1940356369
SNP_P1_111141_11726702	NC_021165.1	Ca_kabuli_chr06	11726702	TT	CC	1940356371
SNP_P1_111142_11726905	NC_021165.1	Ca_kabuli_chr06	11726905	TT	CC	1940356373
SNP_P1_111144_11726993	NC_021165.1	Ca_kabuli_chr06	11726993	AA	TT	1940356375
SNP_P1_111148_11728293	NC_021165.1	Ca_kabuli_chr06	11728293	TT	AA	1940356376
SNP_P1_111149_11730757	NC_021165.1	Ca_kabuli_chr06	11730757	AA	GG	1940356378
SNP_P1_111150_11730806	NC_021165.1	Ca_kabuli_chr06	11730806	CC	TT	1940356380
SNP_P1_111152_11732209	NC_021165.1	Ca_kabuli_chr06	11732209	GG	AA	1940356382
SNP_P1_111153_11732219	NC_021165.1	Ca_kabuli_chr06	11732219	CC	AA	1940356383
SNP_P1_111158_11734680	NC_021165.1	Ca_kabuli_chr06	11734680	GG	AA	1940356385
SNP_P1_111159_11734946	NC_021165.1	Ca_kabuli_chr06	11734946	AA	CC	1940356387
SNP_P1_111161_11737127	NC_021165.1	Ca_kabuli_chr06	11737127	CC	TT	1940356389
SNP_P1_111162_11737128	NC_021165.1	Ca_kabuli_chr06	11737128	TT	CC	1940356390
SNP_P1_111163_11737480	NC_021165.1	Ca_kabuli_chr06	11737480	AA	TT	1940356392
SNP_P1_111165_11738329	NC_021165.1	Ca_kabuli_chr06	11738329	CC	TT	1940356394
SNP_P1_111166_11738437	NC_021165.1	Ca_kabuli_chr06	11738437	GG	AA	1940356396
SNP_P1_111167_11738883	NC_021165.1	Ca_kabuli_chr06	11738883	CC	AA	1940356397
SNP_P1_111168_11739236	NC_021165.1	Ca_kabuli_chr06	11739236	TT	CC	1940356399
SNP_P1_111169_11739251	NC_021165.1	Ca_kabuli_chr06	11739251	TT	CC	1940356401
SNP_P1_111170_11739289	NC_021165.1	Ca_kabuli_chr06	11739289	TT	AA	1940356402
SNP_P1_111171_11739294	NC_021165.1	Ca_kabuli_chr06	11739294	AA	CC	1940356404
SNP_P1_111172_11739357	NC_021165.1	Ca_kabuli_chr06	11739357	CC	TT	1940356406
SNP_P1_111173_11739436	NC_021165.1	Ca_kabuli_chr06	11739436	GG	AA	1940356408
SNP_P1_111174_11739890	NC_021165.1	Ca_kabuli_chr06	11739890	GG	AA	1940356409
SNP_P1_111175_11740214	NC_021165.1	Ca_kabuli_chr06	11740214	TT	CC	1940356411
SNP_P1_111176_11740225	NC_021165.1	Ca_kabuli_chr06	11740225	CC	TT	1940356413
SNP_P1_111177_11740365	NC_021165.1	Ca_kabuli_chr06	11740365	AA	TT	1940356415
SNP_P1_111178_11740760	NC_021165.1	Ca_kabuli_chr06	11740760	TT	CC	1940356416

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111180_11741195	NC_021165.1	Ca_kabuli_chr06	11741195	CC	AA	1940356420
SNP_P1_111181_11741330	NC_021165.1	Ca_kabuli_chr06	11741330	GG	AA	1940356422
SNP_P1_111183_11742622	NC_021165.1	Ca_kabuli_chr06	11742622	TT	GG	1940356423
SNP_P1_111184_11742708	NC_021165.1	Ca_kabuli_chr06	11742708	TT	GG	1940356425
SNP_P1_111185_11744307	NC_021165.1	Ca_kabuli_chr06	11744307	TT	CC	1940356427
SNP_P1_111186_11745219	NC_021165.1	Ca_kabuli_chr06	11745219	TT	GG	1940356429
SNP_P1_111187_11745226	NC_021165.1	Ca_kabuli_chr06	11745226	TT	CC	1940356430
SNP_P1_111188_11745265	NC_021165.1	Ca_kabuli_chr06	11745265	GG	AA	1940356432
SNP_P1_111189_11745303	NC_021165.1	Ca_kabuli_chr06	11745303	TT	CC	1940356434
SNP_P1_111192_11746285	NC_021165.1	Ca_kabuli_chr06	11746285	TT	GG	1940356435
SNP_P1_111193_11747388	NC_021165.1	Ca_kabuli_chr06	11747388	AA	GG	1940356437
SNP_P1_111194_11747943	NC_021165.1	Ca_kabuli_chr06	11747943	TT	CC	1940356439
SNP_P1_111195_11748210	NC_021165.1	Ca_kabuli_chr06	11748210	TT	AA	1940356441
SNP_P1_111196_11748938	NC_021165.1	Ca_kabuli_chr06	11748938	TT	CC	1940356442
SNP_P1_111197_11748942	NC_021165.1	Ca_kabuli_chr06	11748942	GG	TT	1940356444
SNP_P1_111198_11748948	NC_021165.1	Ca_kabuli_chr06	11748948	AA	CC	1940356446
SNP_P1_111199_11751147	NC_021165.1	Ca_kabuli_chr06	11751147	TT	AA	1940356448
SNP_P1_111200_11751153	NC_021165.1	Ca_kabuli_chr06	11751153	TT	CC	1940356449
SNP_P1_111201_11752635	NC_021165.1	Ca_kabuli_chr06	11752635	GG	AA	1940356451
SNP_P1_111202_11753419	NC_021165.1	Ca_kabuli_chr06	11753419	GG	TT	1940356453
SNP_P1_111203_11754068	NC_021165.1	Ca_kabuli_chr06	11754068	AA	GG	1940356455
SNP_P1_111204_11754534	NC_021165.1	Ca_kabuli_chr06	11754534	TT	CC	1940356456
SNP_P1_111206_11755181	NC_021165.1	Ca_kabuli_chr06	11755181	TT	AA	1940356458
SNP_P1_111207_11756172	NC_021165.1	Ca_kabuli_chr06	11756172	AA	CC	1940356460
SNP_P1_111209_11760698	NC_021165.1	Ca_kabuli_chr06	11760698	GG	TT	1940356461
SNP_P1_111210_11760957	NC_021165.1	Ca_kabuli_chr06	11760957	CC	TT	1940356463
SNP_P1_111211_11761357	NC_021165.1	Ca_kabuli_chr06	11761357	AA	GG	1940356465
SNP_P1_111212_11761368	NC_021165.1	Ca_kabuli_chr06	11761368	AA	TT	1940356467
SNP_P1_111213_11761465	NC_021165.1	Ca_kabuli_chr06	11761465	TT	CC	1940356468
SNP_P1_111215_11762412	NC_021165.1	Ca_kabuli_chr06	11762412	GG	AA	1940356470
SNP_P1_111216_11762844	NC_021165.1	Ca_kabuli_chr06	11762844	TT	CC	1940356472
SNP_P1_111217_11763052	NC_021165.1	Ca_kabuli_chr06	11763052	TT	CC	1940356474
SNP_P1_111218_11763097	NC_021165.1	Ca_kabuli_chr06	11763097	TT	CC	1940356475
SNP_P1_111219_11763125	NC_021165.1	Ca_kabuli_chr06	11763125	CC	TT	1940356477
SNP_P1_111220_11763130	NC_021165.1	Ca_kabuli_chr06	11763130	AA	CC	1940356479
SNP_P1_111221_11763131	NC_021165.1	Ca_kabuli_chr06	11763131	AA	TT	1940356481
SNP_P1_111222_11763149	NC_021165.1	Ca_kabuli_chr06	11763149	TT	CC	1940356482
SNP_P1_111223_11763454	NC_021165.1	Ca_kabuli_chr06	11763454	TT	CC	1940356484
SNP_P1_111224_11765666	NC_021165.1	Ca_kabuli_chr06	11765666	GG	TT	1940356486
SNP_P1_111225_11776672	NC_021165.1	Ca_kabuli_chr06	11776672	CC	AA	1940356488
SNP_P1_111226_11776934	NC_021165.1	Ca_kabuli_chr06	11776934	AA	CC	1940356489

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111228_11779365	NC_021165.1	Ca_kabuli_chr06	11779365	TT	CC	1940356493
SNP_P1_111230_11780043	NC_021165.1	Ca_kabuli_chr06	11780043	CC	TT	1940356495
SNP_P1_111231_11781432	NC_021165.1	Ca_kabuli_chr06	11781432	AA	GG	1940356496
SNP_P1_111232_11783698	NC_021165.1	Ca_kabuli_chr06	11783698	AA	GG	1940356498
SNP_P1_111233_11784017	NC_021165.1	Ca_kabuli_chr06	11784017	TT	CC	1940356500
SNP_P1_111234_11784054	NC_021165.1	Ca_kabuli_chr06	11784054	TT	CC	1940356501
SNP_P1_111236_11784395	NC_021165.1	Ca_kabuli_chr06	11784395	CC	AA	1940356503
SNP_P1_111237_11784399	NC_021165.1	Ca_kabuli_chr06	11784399	AA	GG	1940356505
SNP_P1_111238_11785159	NC_021165.1	Ca_kabuli_chr06	11785159	CC	TT	1940356507
SNP_P1_111240_11787362	NC_021165.1	Ca_kabuli_chr06	11787362	AA	GG	1940356508
SNP_P1_111241_11788207	NC_021165.1	Ca_kabuli_chr06	11788207	AA	GG	1940356510
SNP_P1_111243_11789119	NC_021165.1	Ca_kabuli_chr06	11789119	TT	CC	1940356512
SNP_P1_111244_11789327	NC_021165.1	Ca_kabuli_chr06	11789327	AA	GG	1940356514
SNP_P1_111245_11790861	NC_021165.1	Ca_kabuli_chr06	11790861	GG	AA	1940356515
SNP_P1_111246_11791072	NC_021165.1	Ca_kabuli_chr06	11791072	CC	TT	1940356517
SNP_P1_111247_11792000	NC_021165.1	Ca_kabuli_chr06	11792000	AA	CC	1940356519
SNP_P1_111250_11807351	NC_021165.1	Ca_kabuli_chr06	11807351	GG	TT	1940356521
SNP_P1_111251_11807697	NC_021165.1	Ca_kabuli_chr06	11807697	AA	GG	1940356522
SNP_P1_111252_11809714	NC_021165.1	Ca_kabuli_chr06	11809714	CC	AA	1940356524
SNP_P1_111253_11812275	NC_021165.1	Ca_kabuli_chr06	11812275	CC	TT	1940356526
SNP_P1_111255_11812959	NC_021165.1	Ca_kabuli_chr06	11812959	AA	CC	1940356527
SNP_P1_111256_11813433	NC_021165.1	Ca_kabuli_chr06	11813433	AA	TT	1940356529
SNP_P1_111257_11813918	NC_021165.1	Ca_kabuli_chr06	11813918	CC	TT	1940356531
SNP_P1_111258_11814788	NC_021165.1	Ca_kabuli_chr06	11814788	GG	AA	1940356533
SNP_P1_111259_11827647	NC_021165.1	Ca_kabuli_chr06	11827647	GG	TT	1940356534
SNP_P1_111260_11827685	NC_021165.1	Ca_kabuli_chr06	11827685	GG	AA	1940356536
SNP_P1_111261_11839916	NC_021165.1	Ca_kabuli_chr06	11839916	GG	AA	1940356538
SNP_P1_111262_11840279	NC_021165.1	Ca_kabuli_chr06	11840279	GG	AA	1940356540
SNP_P1_111263_11840287	NC_021165.1	Ca_kabuli_chr06	11840287	CC	TT	1940356541
SNP_P1_111264_11840293	NC_021165.1	Ca_kabuli_chr06	11840293	TT	CC	1940356543
SNP_P1_111265_11840373	NC_021165.1	Ca_kabuli_chr06	11840373	TT	CC	1940356545
SNP_P1_111267_11850318	NC_021165.1	Ca_kabuli_chr06	11850318	TT	AA	1940356547
SNP_P1_111268_11850507	NC_021165.1	Ca_kabuli_chr06	11850507	GG	TT	1940356548
SNP_P1_111269_11850537	NC_021165.1	Ca_kabuli_chr06	11850537	GG	AA	1940356550
SNP_P1_111270_11868047	NC_021165.1	Ca_kabuli_chr06	11868047	TT	AA	1940356552
SNP_P1_111271_11883837	NC_021165.1	Ca_kabuli_chr06	11883837	AA	CC	1940356554
SNP_P1_111272_11883910	NC_021165.1	Ca_kabuli_chr06	11883910	AA	GG	1940356555
SNP_P1_111273_11890200	NC_021165.1	Ca_kabuli_chr06	11890200	GG	TT	1940356557
SNP_P1_111274_11902699	NC_021165.1	Ca_kabuli_chr06	11902699	AA	CC	1940356559
SNP_P1_111275_11911913	NC_021165.1	Ca_kabuli_chr06	11911913	CC	TT	1940356561
SNP_P1_111276_11917820	NC_021165.1	Ca_kabuli_chr06	11917820	CC	TT	1940356562

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111278_11918229	NC_021165.1	Ca_kabuli_chr06	11918229	GG	TT	1940356566
SNP_P1_111279_11918242	NC_021165.1	Ca_kabuli_chr06	11918242	AA	CC	1940356567
SNP_P1_111280_11918274	NC_021165.1	Ca_kabuli_chr06	11918274	TT	CC	1940356569
SNP_P1_111281_11922689	NC_021165.1	Ca_kabuli_chr06	11922689	CC	TT	1940356571
SNP_P1_111282_11964081	NC_021165.1	Ca_kabuli_chr06	11964081	AA	GG	1940356573
SNP_P1_111283_11968977	NC_021165.1	Ca_kabuli_chr06	11968977	AA	CC	1940356574
SNP_P1_111284_11969137	NC_021165.1	Ca_kabuli_chr06	11969137	AA	GG	1940356576
SNP_P1_111285_11969220	NC_021165.1	Ca_kabuli_chr06	11969220	GG	TT	1940356578
SNP_P1_111286_11969224	NC_021165.1	Ca_kabuli_chr06	11969224	AA	GG	1940356580
SNP_P1_111287_11969297	NC_021165.1	Ca_kabuli_chr06	11969297	CC	TT	1940356581
SNP_P1_111288_11969366	NC_021165.1	Ca_kabuli_chr06	11969366	GG	AA	1940356583
SNP_P1_111289_11969508	NC_021165.1	Ca_kabuli_chr06	11969508	CC	TT	1940356585
SNP_P1_111290_11970227	NC_021165.1	Ca_kabuli_chr06	11970227	TT	CC	1940356587
SNP_P1_111291_11987960	NC_021165.1	Ca_kabuli_chr06	11987960	CC	AA	1940356588
SNP_P1_111292_11991703	NC_021165.1	Ca_kabuli_chr06	11991703	CC	TT	1940356590
SNP_P1_111293_11996943	NC_021165.1	Ca_kabuli_chr06	11996943	CC	GG	1940356592
SNP_P1_111294_12006797	NC_021165.1	Ca_kabuli_chr06	12006797	AA	TT	1940356594
SNP_P1_111295_12007240	NC_021165.1	Ca_kabuli_chr06	12007240	TT	CC	1940356595
SNP_P1_111296_12007280	NC_021165.1	Ca_kabuli_chr06	12007280	AA	CC	1940356597
SNP_P1_111297_12007780	NC_021165.1	Ca_kabuli_chr06	12007780	TT	CC	1940356599
SNP_P1_111298_12011876	NC_021165.1	Ca_kabuli_chr06	12011876	AA	TT	1940356601
SNP_P1_111299_12046899	NC_021165.1	Ca_kabuli_chr06	12046899	CC	TT	1940356602
SNP_P1_111301_12053652	NC_021165.1	Ca_kabuli_chr06	12053652	TT	CC	1940356604
SNP_P1_111303_12070201	NC_021165.1	Ca_kabuli_chr06	12070201	CC	TT	1940356606
SNP_P1_111304_12078344	NC_021165.1	Ca_kabuli_chr06	12078344	TT	GG	1940356607
SNP_P1_111305_12089508	NC_021165.1	Ca_kabuli_chr06	12089508	TT	CC	1940356609
SNP_P1_111306_12089558	NC_021165.1	Ca_kabuli_chr06	12089558	TT	CC	1940356611
SNP_P1_111307_12089561	NC_021165.1	Ca_kabuli_chr06	12089561	GG	AA	1940356613
SNP_P1_111308_12089612	NC_021165.1	Ca_kabuli_chr06	12089612	TT	CC	1940356614
SNP_P1_111309_12089707	NC_021165.1	Ca_kabuli_chr06	12089707	TT	CC	1940356616
SNP_P1_111310_12089868	NC_021165.1	Ca_kabuli_chr06	12089868	GG	AA	1940356618
SNP_P1_111311_12090046	NC_021165.1	Ca_kabuli_chr06	12090046	TT	CC	1940356620
SNP_P1_111312_12090923	NC_021165.1	Ca_kabuli_chr06	12090923	AA	GG	1940356621
SNP_P1_111313_12090984	NC_021165.1	Ca_kabuli_chr06	12090984	AA	GG	1940356623
SNP_P1_111314_12090997	NC_021165.1	Ca_kabuli_chr06	12090997	TT	CC	1940356625
SNP_P1_111315_12091041	NC_021165.1	Ca_kabuli_chr06	12091041	AA	GG	1940356627
SNP_P1_111316_12091432	NC_021165.1	Ca_kabuli_chr06	12091432	AA	CC	1940356628
SNP_P1_111317_12091458	NC_021165.1	Ca_kabuli_chr06	12091458	GG	TT	1940356630
SNP_P1_111318_12091466	NC_021165.1	Ca_kabuli_chr06	12091466	CC	TT	1940356632
SNP_P1_111319_12098190	NC_021165.1	Ca_kabuli_chr06	12098190	AA	GG	1940356634
SNP_P1_111320_12104906	NC_021165.1	Ca_kabuli_chr06	12104906	CC	TT	1940356635

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_111321_12105450	NC_021165.1	Ca_kabuli_chr06	12105450	TT	CC	1940356637
SNP_P1_111323_12109723	NC_021165.1	Ca_kabuli_chr06	12109723	AA	CC	1940356639
SNP_P1_111324_12111972	NC_021165.1	Ca_kabuli_chr06	12111972	AA	GG	1940356640
SNP_P1_111325_12125983	NC_021165.1	Ca_kabuli_chr06	12125983	CC	GG	1940356642
SNP_P1_111326_12126775	NC_021165.1	Ca_kabuli_chr06	12126775	TT	CC	1940356644
SNP_P1_111327_12126860	NC_021165.1	Ca_kabuli_chr06	12126860	CC	TT	1940356646
SNP_P1_111329_12127440	NC_021165.1	Ca_kabuli_chr06	12127440	GG	TT	1940356647
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SNP_P1_111331_12129237	NC_021165.1	Ca_kabuli_chr06	12129237	TT	AA	1940356651
SNP_P1_111332_12135134	NC_021165.1	Ca_kabuli_chr06	12135134	AA	CC	1940356653
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SNP_P1_111334_12157228	NC_021165.1	Ca_kabuli_chr06	12157228	GG	AA	1940356656
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SNP_P1_111367_12254469	NC_021165.1	Ca_kabuli_chr06	12254469	CC	TT	1940356707
SNP_P1_111368_12254506	NC_021165.1	Ca_kabuli_chr06	12254506	AA	CC	1940356708

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111371_12254554	NC_021165.1	Ca_kabuli_chr06	12254554	AA	TT	1940356714
SNP_P1_111372_12255417	NC_021165.1	Ca_kabuli_chr06	12255417	GG	AA	1940356715
SNP_P1_111373_12255418	NC_021165.1	Ca_kabuli_chr06	12255418	AA	TT	1940356717
SNP_P1_111374_12258934	NC_021165.1	Ca_kabuli_chr06	12258934	AA	GG	1940356719
SNP_P1_111375_12258948	NC_021165.1	Ca_kabuli_chr06	12258948	GG	AA	1940356720
SNP_P1_111376_12258959	NC_021165.1	Ca_kabuli_chr06	12258959	GG	AA	1940356722
SNP_P1_111377_12258962	NC_021165.1	Ca_kabuli_chr06	12258962	CC	GG	1940356724
SNP_P1_111378_12260137	NC_021165.1	Ca_kabuli_chr06	12260137	GG	AA	1940356726
SNP_P1_111379_12260202	NC_021165.1	Ca_kabuli_chr06	12260202	AA	CC	1940356727
SNP_P1_111380_12260205	NC_021165.1	Ca_kabuli_chr06	12260205	CC	TT	1940356729
SNP_P1_111381_12260272	NC_021165.1	Ca_kabuli_chr06	12260272	CC	TT	1940356731
SNP_P1_111382_12260311	NC_021165.1	Ca_kabuli_chr06	12260311	TT	CC	1940356733
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SNP_P1_111384_12260757	NC_021165.1	Ca_kabuli_chr06	12260757	GG	AA	1940356736
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SNP_P1_111400_12333164	NC_021165.1	Ca_kabuli_chr06	12333164	AA	GG	1940356760
SNP_P1_111401_12333862	NC_021165.1	Ca_kabuli_chr06	12333862	AA	TT	1940356762
SNP_P1_111402_12334932	NC_021165.1	Ca_kabuli_chr06	12334932	CC	AA	1940356764
SNP_P1_111403_12334965	NC_021165.1	Ca_kabuli_chr06	12334965	AA	TT	1940356766
SNP_P1_111404_12335009	NC_021165.1	Ca_kabuli_chr06	12335009	CC	AA	1940356767
SNP_P1_111405_12335042	NC_021165.1	Ca_kabuli_chr06	12335042	TT	CC	1940356769
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SNP_P1_111408_12335803	NC_021165.1	Ca_kabuli_chr06	12335803	AA	TT	1940356773
SNP_P1_111409_12335969	NC_021165.1	Ca_kabuli_chr06	12335969	AA	GG	1940356774
SNP_P1_111410_12340733	NC_021165.1	Ca_kabuli_chr06	12340733	CC	TT	1940356776
SNP_P1_111411_12340748	NC_021165.1	Ca_kabuli_chr06	12340748	GG	AA	1940356778
SNP_P1_111412_12340836	NC_021165.1	Ca_kabuli_chr06	12340836	AA	TT	1940356780
SNP_P1_111413_12340861	NC_021165.1	Ca_kabuli_chr06	12340861	GG	CC	1940356781

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111416_12361434	NC_021165.1	Ca_kabuli_chr06	12361434	GG	AA	1940356787
SNP_P1_111417_12421377	NC_021165.1	Ca_kabuli_chr06	12421377	AA	CC	1940356788
SNP_P1_111418_12445734	NC_021165.1	Ca_kabuli_chr06	12445734	CC	GG	1940356790
SNP_P1_111420_12457401	NC_021165.1	Ca_kabuli_chr06	12457401	GG	AA	1940356792
SNP_P1_111421_12457629	NC_021165.1	Ca_kabuli_chr06	12457629	TT	CC	1940356794
SNP_P1_111422_12457637	NC_021165.1	Ca_kabuli_chr06	12457637	AA	CC	1940356795
SNP_P1_111423_12526647	NC_021165.1	Ca_kabuli_chr06	12526647	AA	TT	1940356797
SNP_P1_111425_12535868	NC_021165.1	Ca_kabuli_chr06	12535868	AA	GG	1940356799
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SNP_P1_111429_12549052	NC_021165.1	Ca_kabuli_chr06	12549052	GG	CC	1940356802
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SNP_P1_111439_12665986	NC_021165.1	Ca_kabuli_chr06	12665986	AA	GG	1940356814
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SNP_P1_111443_12707022	NC_021165.1	Ca_kabuli_chr06	12707022	AA	GG	1940356821
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SNP_P1_111445_12712884	NC_021165.1	Ca_kabuli_chr06	12712884	AA	GG	1940356825
SNP_P1_111446_12721227	NC_021165.1	Ca_kabuli_chr06	12721227	TT	CC	1940356826
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SNP_P1_111449_12726130	NC_021165.1	Ca_kabuli_chr06	12726130	GG	AA	1940356830
SNP_P1_111450_12726135	NC_021165.1	Ca_kabuli_chr06	12726135	GG	AA	1940356832
SNP_P1_111452_12757635	NC_021165.1	Ca_kabuli_chr06	12757635	AA	GG	1940356833
SNP_P1_111453_12767096	NC_021165.1	Ca_kabuli_chr06	12767096	GG	AA	1940356835
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SNP_P1_111456_12782895	NC_021165.1	Ca_kabuli_chr06	12782895	CC	TT	1940356840
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SNP_P1_111461_12853552	NC_021165.1	Ca_kabuli_chr06	12853552	TT	AA	1940356846
SNP_P1_111462_12853590	NC_021165.1	Ca_kabuli_chr06	12853590	CC	TT	1940356847
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SNP_P1_111465_12855087	NC_021165.1	Ca_kabuli_chr06	12855087	GG	AA	1940356851
SNP_P1_111466_12855298	NC_021165.1	Ca_kabuli_chr06	12855298	TT	AA	1940356852
SNP_P1_111468_12856467	NC_021165.1	Ca_kabuli_chr06	12856467	TT	CC	1940356854

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111473_12861040	NC_021165.1	Ca_kabuli_chr06	12861040	CC	TT	1940356861
SNP_P1_111475_12861151	NC_021165.1	Ca_kabuli_chr06	12861151	GG	TT	1940356863
SNP_P1_111476_12861153	NC_021165.1	Ca_kabuli_chr06	12861153	TT	CC	1940356865
SNP_P1_111477_12861226	NC_021165.1	Ca_kabuli_chr06	12861226	TT	CC	1940356866
SNP_P1_111478_12862143	NC_021165.1	Ca_kabuli_chr06	12862143	CC	TT	1940356868
SNP_P1_111479_12862590	NC_021165.1	Ca_kabuli_chr06	12862590	TT	CC	1940356870
SNP_P1_111480_12862661	NC_021165.1	Ca_kabuli_chr06	12862661	CC	TT	1940356872
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SNP_P1_111482_12865015	NC_021165.1	Ca_kabuli_chr06	12865015	TT	CC	1940356875
SNP_P1_111484_12865231	NC_021165.1	Ca_kabuli_chr06	12865231	CC	TT	1940356877
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SNP_P1_111512_12878820	NC_021165.1	Ca_kabuli_chr06	12878820	CC	TT	1940356912
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SNP_P1_111520_12884163	NC_021165.1	Ca_kabuli_chr06	12884163	GG	CC	1940356924
SNP_P1_111521_12885837	NC_021165.1	Ca_kabuli_chr06	12885837	TT	CC	1940356925
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111525_12887025	NC_021165.1	Ca_kabuli_chr06	12887025	GG	AA	1940356932
SNP_P1_111526_12887027	NC_021165.1	Ca_kabuli_chr06	12887027	CC	TT	1940356934
SNP_P1_111527_12887033	NC_021165.1	Ca_kabuli_chr06	12887033	AA	GG	1940356936
SNP_P1_111528_12887048	NC_021165.1	Ca_kabuli_chr06	12887048	AA	GG	1940356938
SNP_P1_111531_12887706	NC_021165.1	Ca_kabuli_chr06	12887706	CC	TT	1940356939
SNP_P1_111532_12887741	NC_021165.1	Ca_kabuli_chr06	12887741	AA	GG	1940356941
SNP_P1_111533_12887744	NC_021165.1	Ca_kabuli_chr06	12887744	AA	CC	1940356943
SNP_P1_111534_12887755	NC_021165.1	Ca_kabuli_chr06	12887755	TT	CC	1940356945
SNP_P1_111535_12888789	NC_021165.1	Ca_kabuli_chr06	12888789	CC	TT	1940356946
SNP_P1_111537_12889371	NC_021165.1	Ca_kabuli_chr06	12889371	AA	TT	1940356948
SNP_P1_111539_12891942	NC_021165.1	Ca_kabuli_chr06	12891942	TT	CC	1940356950
SNP_P1_111541_12892795	NC_021165.1	Ca_kabuli_chr06	12892795	CC	TT	1940356951
SNP_P1_111542_12894082	NC_021165.1	Ca_kabuli_chr06	12894082	CC	TT	1940356953
SNP_P1_111543_12894142	NC_021165.1	Ca_kabuli_chr06	12894142	CC	AA	1940356955
SNP_P1_111546_12896246	NC_021165.1	Ca_kabuli_chr06	12896246	CC	TT	1940356957
SNP_P1_111547_12896259	NC_021165.1	Ca_kabuli_chr06	12896259	GG	AA	1940356958
SNP_P1_111548_12896969	NC_021165.1	Ca_kabuli_chr06	12896969	GG	TT	1940356960
SNP_P1_111549_12896991	NC_021165.1	Ca_kabuli_chr06	12896991	CC	TT	1940356962
SNP_P1_111550_12897002	NC_021165.1	Ca_kabuli_chr06	12897002	CC	TT	1940356964
SNP_P1_111551_12897040	NC_021165.1	Ca_kabuli_chr06	12897040	TT	AA	1940356965
SNP_P1_111552_12898234	NC_021165.1	Ca_kabuli_chr06	12898234	CC	TT	1940356967
SNP_P1_111555_12898795	NC_021165.1	Ca_kabuli_chr06	12898795	CC	GG	1940356969
SNP_P1_111557_12900407	NC_021165.1	Ca_kabuli_chr06	12900407	CC	AA	1940356971
SNP_P1_111558_12902623	NC_021165.1	Ca_kabuli_chr06	12902623	AA	CC	1940356972
SNP_P1_111559_12904296	NC_021165.1	Ca_kabuli_chr06	12904296	GG	TT	1940356974
SNP_P1_111560_12904305	NC_021165.1	Ca_kabuli_chr06	12904305	AA	GG	1940356976
SNP_P1_111561_12904402	NC_021165.1	Ca_kabuli_chr06	12904402	GG	AA	1940356978
SNP_P1_111563_12904732	NC_021165.1	Ca_kabuli_chr06	12904732	CC	TT	1940356979
SNP_P1_111564_12904741	NC_021165.1	Ca_kabuli_chr06	12904741	GG	CC	1940356981
SNP_P1_111568_12908687	NC_021165.1	Ca_kabuli_chr06	12908687	AA	TT	1940356983
SNP_P1_111570_12909537	NC_021165.1	Ca_kabuli_chr06	12909537	AA	CC	1940356985
SNP_P1_111572_12909659	NC_021165.1	Ca_kabuli_chr06	12909659	TT	CC	1940356986
SNP_P1_111574_12909913	NC_021165.1	Ca_kabuli_chr06	12909913	GG	CC	1940356988
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SNP_P1_111576_12910879	NC_021165.1	Ca_kabuli_chr06	12910879	CC	TT	1940356991
SNP_P1_111577_12910882	NC_021165.1	Ca_kabuli_chr06	12910882	CC	AA	1940356993
SNP_P1_111578_12910885	NC_021165.1	Ca_kabuli_chr06	12910885	GG	AA	1940356995
SNP_P1_111579_12910888	NC_021165.1	Ca_kabuli_chr06	12910888	GG	CC	1940356997
SNP_P1_111580_12910935	NC_021165.1	Ca_kabuli_chr06	12910935	TT	CC	1940356998
SNP_P1_111581_12910961	NC_021165.1	Ca_kabuli_chr06	12910961	CC	AA	1940357000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111583_12915509	NC_021165.1	Ca_kabuli_chr06	12915509	AA	TT	1940357004
SNP_P1_111584_12915535	NC_021165.1	Ca_kabuli_chr06	12915535	TT	CC	1940357005
SNP_P1_111585_12915800	NC_021165.1	Ca_kabuli_chr06	12915800	CC	TT	1940357007
SNP_P1_111586_12915806	NC_021165.1	Ca_kabuli_chr06	12915806	TT	CC	1940357009
SNP_P1_111587_12915834	NC_021165.1	Ca_kabuli_chr06	12915834	AA	CC	1940357011
SNP_P1_111588_12916096	NC_021165.1	Ca_kabuli_chr06	12916096	AA	GG	1940357012
SNP_P1_111589_12916124	NC_021165.1	Ca_kabuli_chr06	12916124	AA	GG	1940357014
SNP_P1_111590_12916131	NC_021165.1	Ca_kabuli_chr06	12916131	AA	CC	1940357016
SNP_P1_111591_12916136	NC_021165.1	Ca_kabuli_chr06	12916136	TT	CC	1940357017
SNP_P1_111592_12916291	NC_021165.1	Ca_kabuli_chr06	12916291	CC	TT	1940357019
SNP_P1_111593_12916356	NC_021165.1	Ca_kabuli_chr06	12916356	CC	TT	1940357021
SNP_P1_111594_12919388	NC_021165.1	Ca_kabuli_chr06	12919388	AA	GG	1940357023
SNP_P1_111595_12919391	NC_021165.1	Ca_kabuli_chr06	12919391	AA	GG	1940357024
SNP_P1_111596_12920519	NC_021165.1	Ca_kabuli_chr06	12920519	AA	CC	1940357026
SNP_P1_111597_12920535	NC_021165.1	Ca_kabuli_chr06	12920535	TT	CC	1940357028
SNP_P1_111599_12920621	NC_021165.1	Ca_kabuli_chr06	12920621	TT	CC	1940357030
SNP_P1_111600_12920910	NC_021165.1	Ca_kabuli_chr06	12920910	AA	GG	1940357031
SNP_P1_111601_12920915	NC_021165.1	Ca_kabuli_chr06	12920915	AA	TT	1940357033
SNP_P1_111602_12920975	NC_021165.1	Ca_kabuli_chr06	12920975	TT	CC	1940357035
SNP_P1_111603_12921532	NC_021165.1	Ca_kabuli_chr06	12921532	AA	TT	1940357037
SNP_P1_111604_12921546	NC_021165.1	Ca_kabuli_chr06	12921546	CC	TT	1940357038
SNP_P1_111605_12921826	NC_021165.1	Ca_kabuli_chr06	12921826	TT	CC	1940357040
SNP_P1_111606_12921843	NC_021165.1	Ca_kabuli_chr06	12921843	GG	AA	1940357042
SNP_P1_111608_12923136	NC_021165.1	Ca_kabuli_chr06	12923136	TT	AA	1940357044
SNP_P1_111609_12923194	NC_021165.1	Ca_kabuli_chr06	12923194	GG	TT	1940357045
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SNP_P1_111611_12923516	NC_021165.1	Ca_kabuli_chr06	12923516	CC	GG	1940357049
SNP_P1_111613_12923830	NC_021165.1	Ca_kabuli_chr06	12923830	CC	TT	1940357050
SNP_P1_111614_12923844	NC_021165.1	Ca_kabuli_chr06	12923844	AA	CC	1940357052
SNP_P1_111615_12923884	NC_021165.1	Ca_kabuli_chr06	12923884	GG	AA	1940357054
SNP_P1_111616_12923890	NC_021165.1	Ca_kabuli_chr06	12923890	TT	CC	1940357056
SNP_P1_111617_12923893	NC_021165.1	Ca_kabuli_chr06	12923893	CC	TT	1940357057
SNP_P1_111618_12923903	NC_021165.1	Ca_kabuli_chr06	12923903	TT	AA	1940357059
SNP_P1_111620_12924248	NC_021165.1	Ca_kabuli_chr06	12924248	AA	TT	1940357061
SNP_P1_111621_12929722	NC_021165.1	Ca_kabuli_chr06	12929722	CC	AA	1940357063
SNP_P1_111622_12930311	NC_021165.1	Ca_kabuli_chr06	12930311	AA	TT	1940357064
SNP_P1_111626_12931459	NC_021165.1	Ca_kabuli_chr06	12931459	AA	CC	1940357066
SNP_P1_111628_12931532	NC_021165.1	Ca_kabuli_chr06	12931532	TT	CC	1940357068
SNP_P1_111629_12931688	NC_021165.1	Ca_kabuli_chr06	12931688	GG	AA	1940357070
SNP_P1_111631_12932889	NC_021165.1	Ca_kabuli_chr06	12932889	GG	TT	1940357071
SNP_P1_111632_12933646	NC_021165.1	Ca_kabuli_chr06	12933646	TT	CC	1940357073

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111635_12934129	NC_021165.1	Ca_kabuli_chr06	12934129	GG	AA	1940357077
SNP_P1_111636_12934148	NC_021165.1	Ca_kabuli_chr06	12934148	AA	CC	1940357078
SNP_P1_111637_12934556	NC_021165.1	Ca_kabuli_chr06	12934556	CC	TT	1940357080
SNP_P1_111640_12934728	NC_021165.1	Ca_kabuli_chr06	12934728	TT	GG	1940357082
SNP_P1_111641_12934819	NC_021165.1	Ca_kabuli_chr06	12934819	AA	CC	1940357083
SNP_P1_111642_12934938	NC_021165.1	Ca_kabuli_chr06	12934938	GG	TT	1940357085
SNP_P1_111644_12936126	NC_021165.1	Ca_kabuli_chr06	12936126	AA	TT	1940357087
SNP_P1_111645_12936150	NC_021165.1	Ca_kabuli_chr06	12936150	TT	CC	1940357089
SNP_P1_111646_12936311	NC_021165.1	Ca_kabuli_chr06	12936311	CC	TT	1940357090
SNP_P1_111647_12938963	NC_021165.1	Ca_kabuli_chr06	12938963	TT	GG	1940357092
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SNP_P1_111653_12940638	NC_021165.1	Ca_kabuli_chr06	12940638	CC	TT	1940357103
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SNP_P1_111656_12943092	NC_021165.1	Ca_kabuli_chr06	12943092	GG	CC	1940357106
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SNP_P1_111660_12945871	NC_021165.1	Ca_kabuli_chr06	12945871	GG	AA	1940357111
SNP_P1_111661_12945880	NC_021165.1	Ca_kabuli_chr06	12945880	AA	GG	1940357113
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SNP_P1_111664_12948066	NC_021165.1	Ca_kabuli_chr06	12948066	TT	AA	1940357117
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SNP_P1_111667_12948400	NC_021165.1	Ca_kabuli_chr06	12948400	GG	TT	1940357122
SNP_P1_111668_12948421	NC_021165.1	Ca_kabuli_chr06	12948421	GG	AA	1940357124
SNP_P1_111669_12948423	NC_021165.1	Ca_kabuli_chr06	12948423	AA	TT	1940357125
SNP_P1_111670_12949121	NC_021165.1	Ca_kabuli_chr06	12949121	TT	AA	1940357127
SNP_P1_111671_12949283	NC_021165.1	Ca_kabuli_chr06	12949283	CC	AA	1940357129
SNP_P1_111672_12949456	NC_021165.1	Ca_kabuli_chr06	12949456	TT	GG	1940357130
SNP_P1_111673_12949599	NC_021165.1	Ca_kabuli_chr06	12949599	AA	GG	1940357132
SNP_P1_111674_12949620	NC_021165.1	Ca_kabuli_chr06	12949620	TT	AA	1940357134
SNP_P1_111675_12949653	NC_021165.1	Ca_kabuli_chr06	12949653	CC	TT	1940357136
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SNP_P1_111677_12950093	NC_021165.1	Ca_kabuli_chr06	12950093	AA	GG	1940357139
SNP_P1_111678_12950115	NC_021165.1	Ca_kabuli_chr06	12950115	TT	GG	1940357141
SNP_P1_111679_12950121	NC_021165.1	Ca_kabuli_chr06	12950121	AA	GG	1940357143
SNP_P1_111680_12950148	NC_021165.1	Ca_kabuli_chr06	12950148	GG	AA	1940357144
SNP_P1_111681_12950161	NC_021165.1	Ca_kabuli_chr06	12950161	AA	TT	1940357146

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111685_12950202	NC_021165.1	Ca_kabuli_chr06	12950202	GG	AA	1940357151
SNP_P1_111686_12950216	NC_021165.1	Ca_kabuli_chr06	12950216	CC	TT	1940357153
SNP_P1_111687_12950221	NC_021165.1	Ca_kabuli_chr06	12950221	AA	GG	1940357155
SNP_P1_111689_12950313	NC_021165.1	Ca_kabuli_chr06	12950313	CC	TT	1940357157
SNP_P1_111690_12950401	NC_021165.1	Ca_kabuli_chr06	12950401	TT	CC	1940357158
SNP_P1_111691_12950534	NC_021165.1	Ca_kabuli_chr06	12950534	GG	TT	1940357160
SNP_P1_111692_12950577	NC_021165.1	Ca_kabuli_chr06	12950577	CC	TT	1940357162
SNP_P1_111693_12950585	NC_021165.1	Ca_kabuli_chr06	12950585	TT	GG	1940357164
SNP_P1_111695_12950799	NC_021165.1	Ca_kabuli_chr06	12950799	TT	GG	1940357165
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SNP_P1_111697_12950942	NC_021165.1	Ca_kabuli_chr06	12950942	GG	AA	1940357169
SNP_P1_111698_12951435	NC_021165.1	Ca_kabuli_chr06	12951435	AA	GG	1940357170
SNP_P1_111699_12951658	NC_021165.1	Ca_kabuli_chr06	12951658	CC	AA	1940357172
SNP_P1_111700_12952174	NC_021165.1	Ca_kabuli_chr06	12952174	CC	AA	1940357174
SNP_P1_111701_12952179	NC_021165.1	Ca_kabuli_chr06	12952179	CC	GG	1940357176
SNP_P1_111702_12952383	NC_021165.1	Ca_kabuli_chr06	12952383	AA	GG	1940357177
SNP_P1_111703_12952384	NC_021165.1	Ca_kabuli_chr06	12952384	AA	GG	1940357179
SNP_P1_111704_12952978	NC_021165.1	Ca_kabuli_chr06	12952978	AA	GG	1940357181
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SNP_P1_111706_12953040	NC_021165.1	Ca_kabuli_chr06	12953040	GG	AA	1940357184
SNP_P1_111707_12953183	NC_021165.1	Ca_kabuli_chr06	12953183	GG	AA	1940357186
SNP_P1_111709_12953308	NC_021165.1	Ca_kabuli_chr06	12953308	GG	CC	1940357188
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SNP_P1_111711_12954041	NC_021165.1	Ca_kabuli_chr06	12954041	CC	AA	1940357191
SNP_P1_111712_12954071	NC_021165.1	Ca_kabuli_chr06	12954071	CC	TT	1940357193
SNP_P1_111713_12954318	NC_021165.1	Ca_kabuli_chr06	12954318	AA	TT	1940357195
SNP_P1_111714_12954319	NC_021165.1	Ca_kabuli_chr06	12954319	CC	TT	1940357197
SNP_P1_111715_12954374	NC_021165.1	Ca_kabuli_chr06	12954374	GG	AA	1940357198
SNP_P1_111716_12954386	NC_021165.1	Ca_kabuli_chr06	12954386	GG	AA	1940357200
SNP_P1_111717_12954429	NC_021165.1	Ca_kabuli_chr06	12954429	TT	AA	1940357202
SNP_P1_111719_12954619	NC_021165.1	Ca_kabuli_chr06	12954619	AA	TT	1940357204
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SNP_P1_111726_12955292	NC_021165.1	Ca_kabuli_chr06	12955292	AA	TT	1940357216
SNP_P1_111729_12955957	NC_021165.1	Ca_kabuli_chr06	12955957	TT	GG	1940357217
SNP_P1_111730_12956003	NC_021165.1	Ca_kabuli_chr06	12956003	CC	AA	1940357219

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111733_12956108	NC_021165.1	Ca_kabuli_chr06	12956108	GG	AA	1940357224
SNP_P1_111734_12956143	NC_021165.1	Ca_kabuli_chr06	12956143	GG	AA	1940357226
SNP_P1_111735_12956154	NC_021165.1	Ca_kabuli_chr06	12956154	TT	CC	1940357228
SNP_P1_111736_12956236	NC_021165.1	Ca_kabuli_chr06	12956236	CC	TT	1940357230
SNP_P1_111737_12956242	NC_021165.1	Ca_kabuli_chr06	12956242	CC	TT	1940357231
SNP_P1_111738_12956438	NC_021165.1	Ca_kabuli_chr06	12956438	GG	AA	1940357233
SNP_P1_111739_12956492	NC_021165.1	Ca_kabuli_chr06	12956492	TT	CC	1940357235
SNP_P1_111740_12956674	NC_021165.1	Ca_kabuli_chr06	12956674	AA	GG	1940357237
SNP_P1_111741_12956676	NC_021165.1	Ca_kabuli_chr06	12956676	TT	AA	1940357238
SNP_P1_111743_12957273	NC_021165.1	Ca_kabuli_chr06	12957273	AA	GG	1940357240
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SNP_P1_111746_12957374	NC_021165.1	Ca_kabuli_chr06	12957374	TT	CC	1940357245
SNP_P1_111747_12957385	NC_021165.1	Ca_kabuli_chr06	12957385	AA	TT	1940357247
SNP_P1_111749_12957555	NC_021165.1	Ca_kabuli_chr06	12957555	CC	TT	1940357249
SNP_P1_111750_12957682	NC_021165.1	Ca_kabuli_chr06	12957682	CC	TT	1940357251
SNP_P1_111751_12957689	NC_021165.1	Ca_kabuli_chr06	12957689	CC	AA	1940357252
SNP_P1_111753_12957998	NC_021165.1	Ca_kabuli_chr06	12957998	CC	GG	1940357254
SNP_P1_111755_12958397	NC_021165.1	Ca_kabuli_chr06	12958397	TT	CC	1940357256
SNP_P1_111756_12958461	NC_021165.1	Ca_kabuli_chr06	12958461	GG	TT	1940357257
SNP_P1_111759_12958918	NC_021165.1	Ca_kabuli_chr06	12958918	TT	CC	1940357259
SNP_P1_111761_12960157	NC_021165.1	Ca_kabuli_chr06	12960157	AA	TT	1940357261
SNP_P1_111765_12962484	NC_021165.1	Ca_kabuli_chr06	12962484	TT	AA	1940357263
SNP_P1_111766_12962912	NC_021165.1	Ca_kabuli_chr06	12962912	AA	GG	1940357264
SNP_P1_111767_12963601	NC_021165.1	Ca_kabuli_chr06	12963601	GG	TT	1940357266
SNP_P1_111769_12963934	NC_021165.1	Ca_kabuli_chr06	12963934	GG	AA	1940357268
SNP_P1_111770_12963964	NC_021165.1	Ca_kabuli_chr06	12963964	GG	AA	1940357270
SNP_P1_111771_12964692	NC_021165.1	Ca_kabuli_chr06	12964692	AA	CC	1940357271
SNP_P1_111772_12964748	NC_021165.1	Ca_kabuli_chr06	12964748	CC	TT	1940357273
SNP_P1_111773_12964755	NC_021165.1	Ca_kabuli_chr06	12964755	GG	TT	1940357275
SNP_P1_111774_12965016	NC_021165.1	Ca_kabuli_chr06	12965016	CC	TT	1940357277
SNP_P1_111775_12965225	NC_021165.1	Ca_kabuli_chr06	12965225	TT	AA	1940357278
SNP_P1_111776_12965285	NC_021165.1	Ca_kabuli_chr06	12965285	AA	GG	1940357280
SNP_P1_111777_12965335	NC_021165.1	Ca_kabuli_chr06	12965335	CC	TT	1940357282
SNP_P1_111779_12965419	NC_021165.1	Ca_kabuli_chr06	12965419	CC	TT	1940357283
SNP_P1_111781_12965728	NC_021165.1	Ca_kabuli_chr06	12965728	TT	CC	1940357285
SNP_P1_111782_12965799	NC_021165.1	Ca_kabuli_chr06	12965799	AA	GG	1940357287
SNP_P1_111784_12966061	NC_021165.1	Ca_kabuli_chr06	12966061	TT	CC	1940357289
SNP_P1_111785_12966563	NC_021165.1	Ca_kabuli_chr06	12966563	AA	GG	1940357290
SNP_P1_111787_12967149	NC_021165.1	Ca_kabuli_chr06	12967149	GG	AA	1940357292

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111790_12967506	NC_021165.1	Ca_kabuli_chr06	12967506	TT	AA	1940357297
SNP_P1_111791_12967783	NC_021165.1	Ca_kabuli_chr06	12967783	AA	GG	1940357299
SNP_P1_111792_12969915	NC_021165.1	Ca_kabuli_chr06	12969915	CC	TT	1940357301
SNP_P1_111793_12969948	NC_021165.1	Ca_kabuli_chr06	12969948	TT	CC	1940357303
SNP_P1_111794_12970045	NC_021165.1	Ca_kabuli_chr06	12970045	CC	AA	1940357304
SNP_P1_111796_12970319	NC_021165.1	Ca_kabuli_chr06	12970319	AA	GG	1940357306
SNP_P1_111797_12971127	NC_021165.1	Ca_kabuli_chr06	12971127	GG	AA	1940357308
SNP_P1_111798_12971377	NC_021165.1	Ca_kabuli_chr06	12971377	TT	CC	1940357310
SNP_P1_111799_12971681	NC_021165.1	Ca_kabuli_chr06	12971681	CC	TT	1940357311
SNP_P1_111800_12972137	NC_021165.1	Ca_kabuli_chr06	12972137	CC	AA	1940357313
SNP_P1_111802_12973070	NC_021165.1	Ca_kabuli_chr06	12973070	GG	AA	1940357315
SNP_P1_111803_12973399	NC_021165.1	Ca_kabuli_chr06	12973399	AA	CC	1940357317
SNP_P1_111804_12973446	NC_021165.1	Ca_kabuli_chr06	12973446	GG	AA	1940357318
SNP_P1_111805_12974941	NC_021165.1	Ca_kabuli_chr06	12974941	TT	AA	1940357320
SNP_P1_111806_12977513	NC_021165.1	Ca_kabuli_chr06	12977513	AA	CC	1940357322
SNP_P1_111807_12977795	NC_021165.1	Ca_kabuli_chr06	12977795	AA	TT	1940357323
SNP_P1_111808_12977796	NC_021165.1	Ca_kabuli_chr06	12977796	AA	TT	1940357325
SNP_P1_111809_12977814	NC_021165.1	Ca_kabuli_chr06	12977814	AA	GG	1940357327
SNP_P1_111810_12977828	NC_021165.1	Ca_kabuli_chr06	12977828	GG	AA	1940357329
SNP_P1_111811_12977832	NC_021165.1	Ca_kabuli_chr06	12977832	CC	AA	1940357330
SNP_P1_111812_12977856	NC_021165.1	Ca_kabuli_chr06	12977856	AA	TT	1940357332
SNP_P1_111813_12978084	NC_021165.1	Ca_kabuli_chr06	12978084	CC	GG	1940357334
SNP_P1_111814_12978716	NC_021165.1	Ca_kabuli_chr06	12978716	AA	CC	1940357336
SNP_P1_111815_12978733	NC_021165.1	Ca_kabuli_chr06	12978733	TT	GG	1940357337
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SNP_P1_111818_12980726	NC_021165.1	Ca_kabuli_chr06	12980726	TT	AA	1940357342
SNP_P1_111821_12981466	NC_021165.1	Ca_kabuli_chr06	12981466	AA	CC	1940357344
SNP_P1_111822_12981987	NC_021165.1	Ca_kabuli_chr06	12981987	TT	AA	1940357346
SNP_P1_111823_12982052	NC_021165.1	Ca_kabuli_chr06	12982052	TT	AA	1940357347
SNP_P1_111824_12982839	NC_021165.1	Ca_kabuli_chr06	12982839	AA	GG	1940357349
SNP_P1_111825_12983243	NC_021165.1	Ca_kabuli_chr06	12983243	TT	GG	1940357351
SNP_P1_111826_12983536	NC_021165.1	Ca_kabuli_chr06	12983536	GG	AA	1940357353
SNP_P1_111827_12983538	NC_021165.1	Ca_kabuli_chr06	12983538	TT	AA	1940357354
SNP_P1_111828_12983815	NC_021165.1	Ca_kabuli_chr06	12983815	TT	CC	1940357356
SNP_P1_111829_12983836	NC_021165.1	Ca_kabuli_chr06	12983836	GG	AA	1940357358
SNP_P1_111831_12989162	NC_021165.1	Ca_kabuli_chr06	12989162	TT	CC	1940357360
SNP_P1_111832_12992752	NC_021165.1	Ca_kabuli_chr06	12992752	AA	TT	1940357361
SNP_P1_111833_12999855	NC_021165.1	Ca_kabuli_chr06	12999855	CC	TT	1940357363
SNP_P1_111835_13002193	NC_021165.1	Ca_kabuli_chr06	13002193	GG	AA	1940357365
SNP_P1_111836_13002210	NC_021165.1	Ca_kabuli_chr06	13002210	CC	TT	1940357367

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111839_13014451	NC_021165.1	Ca_kabuli_chr06	13014451	TT	CC	1940357370
SNP_P1_111840_13014591	NC_021165.1	Ca_kabuli_chr06	13014591	TT	AA	1940357372
SNP_P1_111841_13016473	NC_021165.1	Ca_kabuli_chr06	13016473	TT	AA	1940357374
SNP_P1_111842_13016486	NC_021165.1	Ca_kabuli_chr06	13016486	CC	TT	1940357375
SNP_P1_111844_13017711	NC_021165.1	Ca_kabuli_chr06	13017711	AA	TT	1940357377
SNP_P1_111846_13025452	NC_021165.1	Ca_kabuli_chr06	13025452	GG	AA	1940357379
SNP_P1_111847_13031677	NC_021165.1	Ca_kabuli_chr06	13031677	TT	CC	1940357380
SNP_P1_111848_13033013	NC_021165.1	Ca_kabuli_chr06	13033013	GG	AA	1940357382
SNP_P1_111849_13033019	NC_021165.1	Ca_kabuli_chr06	13033019	AA	TT	1940357384
SNP_P1_111850_13033058	NC_021165.1	Ca_kabuli_chr06	13033058	TT	CC	1940357386
SNP_P1_111851_13033064	NC_021165.1	Ca_kabuli_chr06	13033064	TT	CC	1940357387
SNP_P1_111852_13033068	NC_021165.1	Ca_kabuli_chr06	13033068	CC	TT	1940357389
SNP_P1_111853_13033078	NC_021165.1	Ca_kabuli_chr06	13033078	AA	CC	1940357391
SNP_P1_111854_13033147	NC_021165.1	Ca_kabuli_chr06	13033147	GG	AA	1940357393
SNP_P1_111855_13033158	NC_021165.1	Ca_kabuli_chr06	13033158	TT	CC	1940357394
SNP_P1_111856_13033163	NC_021165.1	Ca_kabuli_chr06	13033163	GG	AA	1940357396
SNP_P1_111857_13033195	NC_021165.1	Ca_kabuli_chr06	13033195	GG	TT	1940357398
SNP_P1_111858_13033270	NC_021165.1	Ca_kabuli_chr06	13033270	CC	TT	1940357400
SNP_P1_111859_13033364	NC_021165.1	Ca_kabuli_chr06	13033364	TT	CC	1940357401
SNP_P1_111861_13033578	NC_021165.1	Ca_kabuli_chr06	13033578	GG	AA	1940357403
SNP_P1_111862_13033686	NC_021165.1	Ca_kabuli_chr06	13033686	CC	TT	1940357405
SNP_P1_111863_13043090	NC_021165.1	Ca_kabuli_chr06	13043090	CC	TT	1940357406
SNP_P1_111864_13052941	NC_021165.1	Ca_kabuli_chr06	13052941	GG	AA	1940357408
SNP_P1_111870_13182471	NC_021165.1	Ca_kabuli_chr06	13182471	CC	TT	1940357410
SNP_P1_111871_13208227	NC_021165.1	Ca_kabuli_chr06	13208227	GG	AA	1940357412
SNP_P1_111872_13211054	NC_021165.1	Ca_kabuli_chr06	13211054	CC	AA	1940357413
SNP_P1_111873_13228354	NC_021165.1	Ca_kabuli_chr06	13228354	AA	GG	1940357415
SNP_P1_111874_13246342	NC_021165.1	Ca_kabuli_chr06	13246342	GG	AA	1940357417
SNP_P1_111875_13247770	NC_021165.1	Ca_kabuli_chr06	13247770	TT	AA	1940357419
SNP_P1_111876_13262240	NC_021165.1	Ca_kabuli_chr06	13262240	CC	AA	1940357420
SNP_P1_111877_13263063	NC_021165.1	Ca_kabuli_chr06	13263063	GG	AA	1940357422
SNP_P1_111878_13285877	NC_021165.1	Ca_kabuli_chr06	13285877	AA	GG	1940357424
SNP_P1_111879_13291069	NC_021165.1	Ca_kabuli_chr06	13291069	TT	CC	1940357426
SNP_P1_111882_13304455	NC_021165.1	Ca_kabuli_chr06	13304455	GG	AA	1940357427
SNP_P1_111883_13317898	NC_021165.1	Ca_kabuli_chr06	13317898	CC	TT	1940357429
SNP_P1_111884_13324310	NC_021165.1	Ca_kabuli_chr06	13324310	TT	AA	1940357431
SNP_P1_111885_13326910	NC_021165.1	Ca_kabuli_chr06	13326910	CC	AA	1940357433
SNP_P1_111886_13330230	NC_021165.1	Ca_kabuli_chr06	13330230	GG	CC	1940357434
SNP_P1_111888_13357556	NC_021165.1	Ca_kabuli_chr06	13357556	AA	TT	1940357436
SNP_P1_111889_13369602	NC_021165.1	Ca_kabuli_chr06	13369602	CC	TT	1940357438
SNP_P1_111890_13382450	NC_021165.1	Ca_kabuli_chr06	13382450	GG	AA	1940357439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111892_13389552	NC_021165.1	Ca_kabuli_chr06	13389552	AA	GG	1940357443
SNP_P1_111893_13393368	NC_021165.1	Ca_kabuli_chr06	13393368	TT	CC	1940357445
SNP_P1_111894_13393678	NC_021165.1	Ca_kabuli_chr06	13393678	TT	CC	1940357446
SNP_P1_111896_13411326	NC_021165.1	Ca_kabuli_chr06	13411326	TT	CC	1940357448
SNP_P1_111897_13416643	NC_021165.1	Ca_kabuli_chr06	13416643	CC	GG	1940357450
SNP_P1_111898_13416947	NC_021165.1	Ca_kabuli_chr06	13416947	GG	AA	1940357452
SNP_P1_111899_13417026	NC_021165.1	Ca_kabuli_chr06	13417026	TT	CC	1940357453
SNP_P1_111900_13417174	NC_021165.1	Ca_kabuli_chr06	13417174	AA	CC	1940357455
SNP_P1_111901_13418735	NC_021165.1	Ca_kabuli_chr06	13418735	CC	TT	1940357457
SNP_P1_111904_13434088	NC_021165.1	Ca_kabuli_chr06	13434088	TT	CC	1940357459
SNP_P1_111905_13436503	NC_021165.1	Ca_kabuli_chr06	13436503	CC	AA	1940357460
SNP_P1_111906_13436669	NC_021165.1	Ca_kabuli_chr06	13436669	CC	GG	1940357462
SNP_P1_111907_13436682	NC_021165.1	Ca_kabuli_chr06	13436682	AA	CC	1940357464
SNP_P1_111908_13440612	NC_021165.1	Ca_kabuli_chr06	13440612	TT	AA	1940357466
SNP_P1_111909_13440614	NC_021165.1	Ca_kabuli_chr06	13440614	TT	AA	1940357467
SNP_P1_111910_13446656	NC_021165.1	Ca_kabuli_chr06	13446656	AA	GG	1940357469
SNP_P1_111911_13450265	NC_021165.1	Ca_kabuli_chr06	13450265	AA	TT	1940357471
SNP_P1_111912_13450598	NC_021165.1	Ca_kabuli_chr06	13450598	AA	GG	1940357473
SNP_P1_111913_13453014	NC_021165.1	Ca_kabuli_chr06	13453014	CC	TT	1940357474
SNP_P1_111914_13453333	NC_021165.1	Ca_kabuli_chr06	13453333	GG	AA	1940357476
SNP_P1_111915_13467438	NC_021165.1	Ca_kabuli_chr06	13467438	AA	CC	1940357478
SNP_P1_111916_13469175	NC_021165.1	Ca_kabuli_chr06	13469175	AA	GG	1940357480
SNP_P1_111917_13469365	NC_021165.1	Ca_kabuli_chr06	13469365	AA	GG	1940357481
SNP_P1_111918_13469615	NC_021165.1	Ca_kabuli_chr06	13469615	AA	TT	1940357483
SNP_P1_111919_13469626	NC_021165.1	Ca_kabuli_chr06	13469626	TT	AA	1940357485
SNP_P1_111920_13470502	NC_021165.1	Ca_kabuli_chr06	13470502	GG	AA	1940357487
SNP_P1_111921_13470512	NC_021165.1	Ca_kabuli_chr06	13470512	GG	TT	1940357488
SNP_P1_111922_13470558	NC_021165.1	Ca_kabuli_chr06	13470558	GG	AA	1940357490
SNP_P1_111923_13470560	NC_021165.1	Ca_kabuli_chr06	13470560	AA	GG	1940357492
SNP_P1_111924_13470740	NC_021165.1	Ca_kabuli_chr06	13470740	CC	TT	1940357493
SNP_P1_111927_13533952	NC_021165.1	Ca_kabuli_chr06	13533952	TT	CC	1940357495
SNP_P1_111930_13555835	NC_021165.1	Ca_kabuli_chr06	13555835	TT	AA	1940357497
SNP_P1_111931_13583086	NC_021165.1	Ca_kabuli_chr06	13583086	TT	GG	1940357499
SNP_P1_111932_13589100	NC_021165.1	Ca_kabuli_chr06	13589100	AA	CC	1940357500
SNP_P1_111934_13652493	NC_021165.1	Ca_kabuli_chr06	13652493	TT	CC	1940357502
SNP_P1_111936_13686263	NC_021165.1	Ca_kabuli_chr06	13686263	GG	AA	1940357504
SNP_P1_111937_13738508	NC_021165.1	Ca_kabuli_chr06	13738508	AA	CC	1940357506
SNP_P1_111938_13738514	NC_021165.1	Ca_kabuli_chr06	13738514	TT	CC	1940357507
SNP_P1_111940_13782732	NC_021165.1	Ca_kabuli_chr06	13782732	AA	GG	1940357509
SNP_P1_111941_13796357	NC_021165.1	Ca_kabuli_chr06	13796357	AA	GG	1940357511
SNP_P1_111943_13825462	NC_021165.1	Ca_kabuli_chr06	13825462	TT	AA	1940357513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_111947_13853987	NC_021165.1	Ca_kabuli_chr06	13853987	AA	GG	1940357518
SNP_P1_111948_13929208	NC_021165.1	Ca_kabuli_chr06	13929208	AA	GG	1940357520
SNP_P1_111949_13933962	NC_021165.1	Ca_kabuli_chr06	13933962	TT	GG	1940357521
SNP_P1_111950_13933964	NC_021165.1	Ca_kabuli_chr06	13933964	AA	TT	1940357523
SNP_P1_111952_13975424	NC_021165.1	Ca_kabuli_chr06	13975424	CC	TT	1940357525
SNP_P1_111953_14001198	NC_021165.1	Ca_kabuli_chr06	14001198	CC	TT	1940357526
SNP_P1_111954_14045363	NC_021165.1	Ca_kabuli_chr06	14045363	TT	CC	1940357528
SNP_P1_111958_14064253	NC_021165.1	Ca_kabuli_chr06	14064253	AA	GG	1940357530
SNP_P1_111959_14064288	NC_021165.1	Ca_kabuli_chr06	14064288	GG	CC	1940357532
SNP_P1_111960_14064489	NC_021165.1	Ca_kabuli_chr06	14064489	CC	TT	1940357533
SNP_P1_111961_14065031	NC_021165.1	Ca_kabuli_chr06	14065031	GG	AA	1940357535
SNP_P1_111962_14075343	NC_021165.1	Ca_kabuli_chr06	14075343	AA	TT	1940357537
SNP_P1_111963_14084090	NC_021165.1	Ca_kabuli_chr06	14084090	TT	CC	1940357539
SNP_P1_111964_14084310	NC_021165.1	Ca_kabuli_chr06	14084310	CC	TT	1940357540
SNP_P1_111966_14084335	NC_021165.1	Ca_kabuli_chr06	14084335	AA	TT	1940357542
SNP_P1_111967_14096828	NC_021165.1	Ca_kabuli_chr06	14096828	TT	GG	1940357544
SNP_P1_111968_14134178	NC_021165.1	Ca_kabuli_chr06	14134178	CC	TT	1940357546
SNP_P1_111969_14136130	NC_021165.1	Ca_kabuli_chr06	14136130	GG	AA	1940357547
SNP_P1_111970_14139629	NC_021165.1	Ca_kabuli_chr06	14139629	GG	AA	1940357549
SNP_P1_111972_14190235	NC_021165.1	Ca_kabuli_chr06	14190235	TT	AA	1940357551
SNP_P1_111973_14194401	NC_021165.1	Ca_kabuli_chr06	14194401	GG	AA	1940357553
SNP_P1_111976_14238511	NC_021165.1	Ca_kabuli_chr06	14238511	AA	CC	1940357554
SNP_P1_111977_14238547	NC_021165.1	Ca_kabuli_chr06	14238547	TT	CC	1940357556
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SNP_P1_111982_14246051	NC_021165.1	Ca_kabuli_chr06	14246051	CC	TT	1940357560
SNP_P1_111984_14266505	NC_021165.1	Ca_kabuli_chr06	14266505	TT	CC	1940357561
SNP_P1_111985_14271074	NC_021165.1	Ca_kabuli_chr06	14271074	TT	AA	1940357563
SNP_P1_111986_14271261	NC_021165.1	Ca_kabuli_chr06	14271261	TT	AA	1940357565
SNP_P1_111987_14271262	NC_021165.1	Ca_kabuli_chr06	14271262	AA	TT	1940357566
SNP_P1_111988_14271489	NC_021165.1	Ca_kabuli_chr06	14271489	AA	GG	1940357568
SNP_P1_111991_14279778	NC_021165.1	Ca_kabuli_chr06	14279778	CC	AA	1940357570
SNP_P1_111992_14281411	NC_021165.1	Ca_kabuli_chr06	14281411	GG	AA	1940357572
SNP_P1_111993_14282444	NC_021165.1	Ca_kabuli_chr06	14282444	AA	GG	1940357573
SNP_P1_111994_14282771	NC_021165.1	Ca_kabuli_chr06	14282771	TT	CC	1940357575
SNP_P1_111996_14297845	NC_021165.1	Ca_kabuli_chr06	14297845	AA	GG	1940357577
SNP_P1_111997_14297846	NC_021165.1	Ca_kabuli_chr06	14297846	AA	TT	1940357579
SNP_P1_111998_14297855	NC_021165.1	Ca_kabuli_chr06	14297855	AA	CC	1940357580
SNP_P1_112001_14338188	NC_021165.1	Ca_kabuli_chr06	14338188	AA	TT	1940357582
SNP_P1_112002_14338189	NC_021165.1	Ca_kabuli_chr06	14338189	TT	GG	1940357584
SNP_P1_112003_14351359	NC_021165.1	Ca_kabuli_chr06	14351359	GG	AA	1940357586

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112005_14351633	NC_021165.1	Ca_kabuli_chr06	14351633	CC	TT	1940357589
SNP_P1_112006_14351646	NC_021165.1	Ca_kabuli_chr06	14351646	CC	TT	1940357591
SNP_P1_112007_14366421	NC_021165.1	Ca_kabuli_chr06	14366421	TT	CC	1940357593
SNP_P1_112008_14366422	NC_021165.1	Ca_kabuli_chr06	14366422	TT	CC	1940357594
SNP_P1_112009_14392991	NC_021165.1	Ca_kabuli_chr06	14392991	GG	AA	1940357596
SNP_P1_112010_14417118	NC_021165.1	Ca_kabuli_chr06	14417118	TT	CC	1940357598
SNP_P1_112011_14417122	NC_021165.1	Ca_kabuli_chr06	14417122	TT	GG	1940357600
SNP_P1_112012_14455897	NC_021165.1	Ca_kabuli_chr06	14455897	GG	AA	1940357601
SNP_P1_112013_14456095	NC_021165.1	Ca_kabuli_chr06	14456095	AA	GG	1940357603
SNP_P1_112014_14456106	NC_021165.1	Ca_kabuli_chr06	14456106	GG	TT	1940357605
SNP_P1_112015_14456117	NC_021165.1	Ca_kabuli_chr06	14456117	CC	AA	1940357607
SNP_P1_112016_14456128	NC_021165.1	Ca_kabuli_chr06	14456128	TT	GG	1940357608
SNP_P1_112017_14456179	NC_021165.1	Ca_kabuli_chr06	14456179	CC	TT	1940357610
SNP_P1_112018_14456188	NC_021165.1	Ca_kabuli_chr06	14456188	AA	GG	1940357612
SNP_P1_112019_14456257	NC_021165.1	Ca_kabuli_chr06	14456257	GG	TT	1940357613
SNP_P1_112020_14458396	NC_021165.1	Ca_kabuli_chr06	14458396	AA	CC	1940357615
SNP_P1_112021_14458403	NC_021165.1	Ca_kabuli_chr06	14458403	AA	TT	1940357617
SNP_P1_112022_14458408	NC_021165.1	Ca_kabuli_chr06	14458408	AA	CC	1940357619
SNP_P1_112023_14458417	NC_021165.1	Ca_kabuli_chr06	14458417	TT	AA	1940357620
SNP_P1_112024_14469822	NC_021165.1	Ca_kabuli_chr06	14469822	AA	TT	1940357622
SNP_P1_112025_14469823	NC_021165.1	Ca_kabuli_chr06	14469823	GG	AA	1940357624
SNP_P1_112026_14469835	NC_021165.1	Ca_kabuli_chr06	14469835	AA	GG	1940357626
SNP_P1_112027_14469848	NC_021165.1	Ca_kabuli_chr06	14469848	GG	AA	1940357627
SNP_P1_112028_14469851	NC_021165.1	Ca_kabuli_chr06	14469851	TT	CC	1940357629
SNP_P1_112029_14469878	NC_021165.1	Ca_kabuli_chr06	14469878	TT	CC	1940357631
SNP_P1_112030_14470465	NC_021165.1	Ca_kabuli_chr06	14470465	GG	AA	1940357633
SNP_P1_112031_14470474	NC_021165.1	Ca_kabuli_chr06	14470474	CC	TT	1940357634
SNP_P1_112032_14470568	NC_021165.1	Ca_kabuli_chr06	14470568	AA	GG	1940357636
SNP_P1_112033_14470759	NC_021165.1	Ca_kabuli_chr06	14470759	TT	CC	1940357638
SNP_P1_112034_14470801	NC_021165.1	Ca_kabuli_chr06	14470801	GG	CC	1940357640
SNP_P1_112035_14470975	NC_021165.1	Ca_kabuli_chr06	14470975	TT	GG	1940357641
SNP_P1_112036_14471026	NC_021165.1	Ca_kabuli_chr06	14471026	AA	CC	1940357643
SNP_P1_112037_14471059	NC_021165.1	Ca_kabuli_chr06	14471059	GG	AA	1940357645
SNP_P1_112038_14471677	NC_021165.1	Ca_kabuli_chr06	14471677	GG	AA	1940357647
SNP_P1_112039_14471699	NC_021165.1	Ca_kabuli_chr06	14471699	AA	GG	1940357648
SNP_P1_112040_14485136	NC_021165.1	Ca_kabuli_chr06	14485136	TT	AA	1940357650
SNP_P1_112042_14534283	NC_021165.1	Ca_kabuli_chr06	14534283	CC	AA	1940357652
SNP_P1_112043_14534321	NC_021165.1	Ca_kabuli_chr06	14534321	CC	AA	1940357653
SNP_P1_112044_14553248	NC_021165.1	Ca_kabuli_chr06	14553248	GG	TT	1940357655
SNP_P1_112045_14553371	NC_021165.1	Ca_kabuli_chr06	14553371	CC	TT	1940357657
SNP_P1_112046_14553476	NC_021165.1	Ca_kabuli_chr06	14553476	AA	TT	1940357659

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112049_14553671	NC_021165.1	Ca_kabuli_chr06	14553671	AA	GG	1940357662
SNP_P1_112050_14554090	NC_021165.1	Ca_kabuli_chr06	14554090	CC	TT	1940357664
SNP_P1_112051_14554109	NC_021165.1	Ca_kabuli_chr06	14554109	TT	GG	1940357666
SNP_P1_112053_14584096	NC_021165.1	Ca_kabuli_chr06	14584096	TT	AA	1940357667
SNP_P1_112054_14585795	NC_021165.1	Ca_kabuli_chr06	14585795	GG	AA	1940357669
SNP_P1_112055_14589944	NC_021165.1	Ca_kabuli_chr06	14589944	GG	AA	1940357671
SNP_P1_112056_14599786	NC_021165.1	Ca_kabuli_chr06	14599786	TT	GG	1940357673
SNP_P1_112057_14623790	NC_021165.1	Ca_kabuli_chr06	14623790	AA	TT	1940357674
SNP_P1_112058_14638021	NC_021165.1	Ca_kabuli_chr06	14638021	CC	TT	1940357676
SNP_P1_112059_14654676	NC_021165.1	Ca_kabuli_chr06	14654676	AA	TT	1940357678
SNP_P1_112061_14663797	NC_021165.1	Ca_kabuli_chr06	14663797	GG	AA	1940357680
SNP_P1_112062_14673098	NC_021165.1	Ca_kabuli_chr06	14673098	AA	TT	1940357681
SNP_P1_112064_14687879	NC_021165.1	Ca_kabuli_chr06	14687879	GG	CC	1940357683
SNP_P1_112066_14715124	NC_021165.1	Ca_kabuli_chr06	14715124	GG	AA	1940357685
SNP_P1_112067_14754833	NC_021165.1	Ca_kabuli_chr06	14754833	TT	AA	1940357687
SNP_P1_112068_14755095	NC_021165.1	Ca_kabuli_chr06	14755095	CC	TT	1940357688
SNP_P1_112069_14755186	NC_021165.1	Ca_kabuli_chr06	14755186	TT	GG	1940357690
SNP_P1_112070_14755507	NC_021165.1	Ca_kabuli_chr06	14755507	AA	TT	1940357692
SNP_P1_112073_14792599	NC_021165.1	Ca_kabuli_chr06	14792599	AA	GG	1940357693
SNP_P1_112074_14803994	NC_021165.1	Ca_kabuli_chr06	14803994	AA	GG	1940357695
SNP_P1_112075_14804443	NC_021165.1	Ca_kabuli_chr06	14804443	CC	TT	1940357697
SNP_P1_112076_14804478	NC_021165.1	Ca_kabuli_chr06	14804478	AA	CC	1940357699
SNP_P1_112077_14804484	NC_021165.1	Ca_kabuli_chr06	14804484	TT	CC	1940357700
SNP_P1_112078_14804713	NC_021165.1	Ca_kabuli_chr06	14804713	TT	CC	1940357702
SNP_P1_112082_14900493	NC_021165.1	Ca_kabuli_chr06	14900493	AA	TT	1940357704
SNP_P1_112083_14906106	NC_021165.1	Ca_kabuli_chr06	14906106	TT	GG	1940357706
SNP_P1_112084_14988411	NC_021165.1	Ca_kabuli_chr06	14988411	GG	AA	1940357707
SNP_P1_112086_14997190	NC_021165.1	Ca_kabuli_chr06	14997190	GG	AA	1940357709
SNP_P1_112088_15046540	NC_021165.1	Ca_kabuli_chr06	15046540	AA	CC	1940357711
SNP_P1_112089_15080328	NC_021165.1	Ca_kabuli_chr06	15080328	TT	CC	1940357713
SNP_P1_112090_15080363	NC_021165.1	Ca_kabuli_chr06	15080363	TT	GG	1940357714
SNP_P1_112091_15080376	NC_021165.1	Ca_kabuli_chr06	15080376	CC	GG	1940357716
SNP_P1_112092_15080393	NC_021165.1	Ca_kabuli_chr06	15080393	GG	CC	1940357718
SNP_P1_112093_15080401	NC_021165.1	Ca_kabuli_chr06	15080401	AA	GG	1940357720
SNP_P1_112094_15080731	NC_021165.1	Ca_kabuli_chr06	15080731	AA	GG	1940357721
SNP_P1_112095_15080732	NC_021165.1	Ca_kabuli_chr06	15080732	AA	TT	1940357723
SNP_P1_112096_15082842	NC_021165.1	Ca_kabuli_chr06	15082842	GG	AA	1940357725
SNP_P1_112097_15083698	NC_021165.1	Ca_kabuli_chr06	15083698	TT	CC	1940357726
SNP_P1_112098_15083747	NC_021165.1	Ca_kabuli_chr06	15083747	GG	AA	1940357728
SNP_P1_112099_15083754	NC_021165.1	Ca_kabuli_chr06	15083754	TT	CC	1940357730
SNP_P1_112100_15083819	NC_021165.1	Ca_kabuli_chr06	15083819	TT	CC	1940357732

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112102_15083852	NC_021165.1	Ca_kabuli_chr06	15083852	CC	TT	1940357735
SNP_P1_112103_15084047	NC_021165.1	Ca_kabuli_chr06	15084047	AA	GG	1940357737
SNP_P1_112104_15084056	NC_021165.1	Ca_kabuli_chr06	15084056	AA	CC	1940357739
SNP_P1_112105_15084070	NC_021165.1	Ca_kabuli_chr06	15084070	CC	TT	1940357740
SNP_P1_112106_15107175	NC_021165.1	Ca_kabuli_chr06	15107175	AA	TT	1940357742
SNP_P1_112107_15107178	NC_021165.1	Ca_kabuli_chr06	15107178	TT	GG	1940357744
SNP_P1_112108_15123086	NC_021165.1	Ca_kabuli_chr06	15123086	GG	AA	1940357746
SNP_P1_112109_15161769	NC_021165.1	Ca_kabuli_chr06	15161769	TT	CC	1940357747
SNP_P1_112110_15162134	NC_021165.1	Ca_kabuli_chr06	15162134	CC	TT	1940357749
SNP_P1_112111_15162147	NC_021165.1	Ca_kabuli_chr06	15162147	AA	GG	1940357751
SNP_P1_112112_15180846	NC_021165.1	Ca_kabuli_chr06	15180846	GG	AA	1940357753
SNP_P1_112113_15193071	NC_021165.1	Ca_kabuli_chr06	15193071	CC	AA	1940357754
SNP_P1_112114_15193072	NC_021165.1	Ca_kabuli_chr06	15193072	GG	AA	1940357756
SNP_P1_112115_15198153	NC_021165.1	Ca_kabuli_chr06	15198153	CC	TT	1940357758
SNP_P1_112116_15198204	NC_021165.1	Ca_kabuli_chr06	15198204	CC	TT	1940357760
SNP_P1_112117_15222155	NC_021165.1	Ca_kabuli_chr06	15222155	TT	AA	1940357761
SNP_P1_112118_15223073	NC_021165.1	Ca_kabuli_chr06	15223073	CC	TT	1940357763
SNP_P1_112119_15244855	NC_021165.1	Ca_kabuli_chr06	15244855	TT	CC	1940357765
SNP_P1_112120_15249566	NC_021165.1	Ca_kabuli_chr06	15249566	AA	TT	1940357766
SNP_P1_112121_15255942	NC_021165.1	Ca_kabuli_chr06	15255942	TT	CC	1940357768
SNP_P1_112122_15258695	NC_021165.1	Ca_kabuli_chr06	15258695	TT	CC	1940357770
SNP_P1_112123_15258774	NC_021165.1	Ca_kabuli_chr06	15258774	TT	CC	1940357772
SNP_P1_112124_15277709	NC_021165.1	Ca_kabuli_chr06	15277709	AA	CC	1940357773
SNP_P1_112125_15277790	NC_021165.1	Ca_kabuli_chr06	15277790	TT	AA	1940357775
SNP_P1_112126_15303481	NC_021165.1	Ca_kabuli_chr06	15303481	TT	AA	1940357777
SNP_P1_112127_15303484	NC_021165.1	Ca_kabuli_chr06	15303484	TT	GG	1940357779
SNP_P1_112128_15337994	NC_021165.1	Ca_kabuli_chr06	15337994	TT	CC	1940357780
SNP_P1_112130_15366925	NC_021165.1	Ca_kabuli_chr06	15366925	TT	CC	1940357782
SNP_P1_112131_15373114	NC_021165.1	Ca_kabuli_chr06	15373114	AA	TT	1940357784
SNP_P1_112132_15375965	NC_021165.1	Ca_kabuli_chr06	15375965	CC	TT	1940357786
SNP_P1_112133_15390816	NC_021165.1	Ca_kabuli_chr06	15390816	AA	GG	1940357787
SNP_P1_112134_15390842	NC_021165.1	Ca_kabuli_chr06	15390842	AA	GG	1940357789
SNP_P1_112135_15400693	NC_021165.1	Ca_kabuli_chr06	15400693	GG	TT	1940357791
SNP_P1_112136_15407317	NC_021165.1	Ca_kabuli_chr06	15407317	TT	AA	1940357793
SNP_P1_112139_15417687	NC_021165.1	Ca_kabuli_chr06	15417687	CC	TT	1940357794
SNP_P1_112140_15417706	NC_021165.1	Ca_kabuli_chr06	15417706	TT	GG	1940357796
SNP_P1_112141_15444820	NC_021165.1	Ca_kabuli_chr06	15444820	AA	GG	1940357798
SNP_P1_112144_15492860	NC_021165.1	Ca_kabuli_chr06	15492860	GG	AA	1940357799
SNP_P1_112145_15493468	NC_021165.1	Ca_kabuli_chr06	15493468	TT	AA	1940357801
SNP_P1_112146_15495023	NC_021165.1	Ca_kabuli_chr06	15495023	AA	GG	1940357803
SNP_P1_112147_15501561	NC_021165.1	Ca_kabuli_chr06	15501561	AA	GG	1940357805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112149_15508758	NC_021165.1	Ca_kabuli_chr06	15508758	AA	TT	1940357808
SNP_P1_112151_15523312	NC_021165.1	Ca_kabuli_chr06	15523312	GG	AA	1940357810
SNP_P1_112155_15528993	NC_021165.1	Ca_kabuli_chr06	15528993	CC	TT	1940357812
SNP_P1_112156_15539992	NC_021165.1	Ca_kabuli_chr06	15539992	AA	CC	1940357813
SNP_P1_112157_15554654	NC_021165.1	Ca_kabuli_chr06	15554654	CC	TT	1940357815
SNP_P1_112158_15554658	NC_021165.1	Ca_kabuli_chr06	15554658	CC	AA	1940357817
SNP_P1_112159_15555549	NC_021165.1	Ca_kabuli_chr06	15555549	GG	AA	1940357819
SNP_P1_112160_15555553	NC_021165.1	Ca_kabuli_chr06	15555553	TT	CC	1940357820
SNP_P1_112161_15555582	NC_021165.1	Ca_kabuli_chr06	15555582	TT	AA	1940357822
SNP_P1_112163_15555869	NC_021165.1	Ca_kabuli_chr06	15555869	AA	GG	1940357824
SNP_P1_112164_15555891	NC_021165.1	Ca_kabuli_chr06	15555891	AA	GG	1940357826
SNP_P1_112165_15555914	NC_021165.1	Ca_kabuli_chr06	15555914	AA	CC	1940357827
SNP_P1_112166_15559111	NC_021165.1	Ca_kabuli_chr06	15559111	AA	GG	1940357829
SNP_P1_112169_15559178	NC_021165.1	Ca_kabuli_chr06	15559178	CC	TT	1940357831
SNP_P1_112170_15559481	NC_021165.1	Ca_kabuli_chr06	15559481	TT	CC	1940357832
SNP_P1_112171_15559485	NC_021165.1	Ca_kabuli_chr06	15559485	GG	AA	1940357834
SNP_P1_112173_15562545	NC_021165.1	Ca_kabuli_chr06	15562545	TT	AA	1940357836
SNP_P1_112174_15562582	NC_021165.1	Ca_kabuli_chr06	15562582	TT	CC	1940357838
SNP_P1_112175_15562631	NC_021165.1	Ca_kabuli_chr06	15562631	GG	AA	1940357839
SNP_P1_112176_15562660	NC_021165.1	Ca_kabuli_chr06	15562660	AA	GG	1940357841
SNP_P1_112177_15562679	NC_021165.1	Ca_kabuli_chr06	15562679	GG	AA	1940357843
SNP_P1_112178_15562687	NC_021165.1	Ca_kabuli_chr06	15562687	GG	TT	1940357845
SNP_P1_112179_15564011	NC_021165.1	Ca_kabuli_chr06	15564011	AA	GG	1940357846
SNP_P1_112180_15564120	NC_021165.1	Ca_kabuli_chr06	15564120	GG	CC	1940357848
SNP_P1_112181_15564356	NC_021165.1	Ca_kabuli_chr06	15564356	AA	CC	1940357850
SNP_P1_112182_15564391	NC_021165.1	Ca_kabuli_chr06	15564391	GG	AA	1940357852
SNP_P1_112183_15564424	NC_021165.1	Ca_kabuli_chr06	15564424	AA	GG	1940357853
SNP_P1_112184_15564439	NC_021165.1	Ca_kabuli_chr06	15564439	AA	GG	1940357855
SNP_P1_112185_15564537	NC_021165.1	Ca_kabuli_chr06	15564537	TT	CC	1940357857
SNP_P1_112186_15564552	NC_021165.1	Ca_kabuli_chr06	15564552	GG	TT	1940357859
SNP_P1_112187_15564557	NC_021165.1	Ca_kabuli_chr06	15564557	AA	TT	1940357860
SNP_P1_112188_15564562	NC_021165.1	Ca_kabuli_chr06	15564562	CC	TT	1940357862
SNP_P1_112190_15577529	NC_021165.1	Ca_kabuli_chr06	15577529	AA	GG	1940357864
SNP_P1_112191_15577706	NC_021165.1	Ca_kabuli_chr06	15577706	GG	AA	1940357866
SNP_P1_112192_15577787	NC_021165.1	Ca_kabuli_chr06	15577787	CC	GG	1940357867
SNP_P1_112193_15577789	NC_021165.1	Ca_kabuli_chr06	15577789	AA	GG	1940357869
SNP_P1_112194_15577805	NC_021165.1	Ca_kabuli_chr06	15577805	AA	GG	1940357871
SNP_P1_112195_15579985	NC_021165.1	Ca_kabuli_chr06	15579985	GG	TT	1940357872
SNP_P1_112196_15579988	NC_021165.1	Ca_kabuli_chr06	15579988	TT	CC	1940357874
SNP_P1_112197_15580713	NC_021165.1	Ca_kabuli_chr06	15580713	TT	CC	1940357876
SNP_P1_112198_15588692	NC_021165.1	Ca_kabuli_chr06	15588692	CC	AA	1940357878

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_112199_15597906	NC_021165.1	Ca_kabuli_chr06	15597906	AA	GG	1940357879
SNP_P1_112200_15597911	NC_021165.1	Ca_kabuli_chr06	15597911	GG	AA	1940357881
SNP_P1_112201_15597921	NC_021165.1	Ca_kabuli_chr06	15597921	GG	AA	1940357883
SNP_P1_112202_15597960	NC_021165.1	Ca_kabuli_chr06	15597960	TT	AA	1940357885
SNP_P1_112204_15598171	NC_021165.1	Ca_kabuli_chr06	15598171	GG	CC	1940357886
SNP_P1_112205_15598179	NC_021165.1	Ca_kabuli_chr06	15598179	TT	AA	1940357888
SNP_P1_112206_15612607	NC_021165.1	Ca_kabuli_chr06	15612607	CC	GG	1940357890
SNP_P1_112207_15612615	NC_021165.1	Ca_kabuli_chr06	15612615	AA	GG	1940357892
SNP_P1_112208_15612666	NC_021165.1	Ca_kabuli_chr06	15612666	AA	CC	1940357893
SNP_P1_112209_15612690	NC_021165.1	Ca_kabuli_chr06	15612690	AA	GG	1940357895
SNP_P1_112210_15612757	NC_021165.1	Ca_kabuli_chr06	15612757	TT	CC	1940357897
SNP_P1_112211_15613045	NC_021165.1	Ca_kabuli_chr06	15613045	AA	CC	1940357899
SNP_P1_112212_15615892	NC_021165.1	Ca_kabuli_chr06	15615892	TT	CC	1940357900
SNP_P1_112213_15619270	NC_021165.1	Ca_kabuli_chr06	15619270	GG	CC	1940357902
SNP_P1_112214_15619274	NC_021165.1	Ca_kabuli_chr06	15619274	GG	TT	1940357904
SNP_P1_112215_15621289	NC_021165.1	Ca_kabuli_chr06	15621289	CC	TT	1940357905
SNP_P1_112217_15634708	NC_021165.1	Ca_kabuli_chr06	15634708	GG	AA	1940357907
SNP_P1_112218_15656058	NC_021165.1	Ca_kabuli_chr06	15656058	CC	TT	1940357909
SNP_P1_112219_15656908	NC_021165.1	Ca_kabuli_chr06	15656908	AA	TT	1940357911
SNP_P1_112220_15665283	NC_021165.1	Ca_kabuli_chr06	15665283	GG	AA	1940357912
SNP_P1_112221_15665299	NC_021165.1	Ca_kabuli_chr06	15665299	AA	GG	1940357914
SNP_P1_112222_15680698	NC_021165.1	Ca_kabuli_chr06	15680698	TT	CC	1940357916
SNP_P1_112223_15681020	NC_021165.1	Ca_kabuli_chr06	15681020	AA	TT	1940357918
SNP_P1_112224_15713159	NC_021165.1	Ca_kabuli_chr06	15713159	GG	AA	1940357919
SNP_P1_112225_15726978	NC_021165.1	Ca_kabuli_chr06	15726978	GG	AA	1940357921
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SNP_P1_112233_15727591	NC_021165.1	Ca_kabuli_chr06	15727591	TT	CC	1940357930
SNP_P1_112234_15727635	NC_021165.1	Ca_kabuli_chr06	15727635	GG	CC	1940357932
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SNP_P1_112237_15728127	NC_021165.1	Ca_kabuli_chr06	15728127	AA	GG	1940357935
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SNP_P1_112239_15729554	NC_021165.1	Ca_kabuli_chr06	15729554	TT	AA	1940357938
SNP_P1_112240_15729555	NC_021165.1	Ca_kabuli_chr06	15729555	CC	AA	1940357940
SNP_P1_112241_15729637	NC_021165.1	Ca_kabuli_chr06	15729637	TT	CC	1940357942
SNP_P1_112242_15730266	NC_021165.1	Ca_kabuli_chr06	15730266	TT	GG	1940357944
SNP_P1_112243_15730611	NC_021165.1	Ca_kabuli_chr06	15730611	TT	AA	1940357945
SNP_P1_112245_15730726	NC_021165.1	Ca_kabuli_chr06	15730726	GG	CC	1940357947
SNP_P1_112246_15730751	NC_021165.1	Ca_kabuli_chr06	15730751	TT	GG	1940357949
SNP_P1_112247_15730794	NC_021165.1	Ca_kabuli_chr06	15730794	CC	TT	1940357951

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112250_15730874	NC_021165.1	Ca_kabuli_chr06	15730874	CC	AA	1940357954
SNP_P1_112251_15730935	NC_021165.1	Ca_kabuli_chr06	15730935	AA	TT	1940357956
SNP_P1_112252_15730980	NC_021165.1	Ca_kabuli_chr06	15730980	AA	GG	1940357958
SNP_P1_112253_15731043	NC_021165.1	Ca_kabuli_chr06	15731043	TT	AA	1940357959
SNP_P1_112255_15731068	NC_021165.1	Ca_kabuli_chr06	15731068	AA	TT	1940357961
SNP_P1_112256_15731077	NC_021165.1	Ca_kabuli_chr06	15731077	CC	GG	1940357963
SNP_P1_112258_15732737	NC_021165.1	Ca_kabuli_chr06	15732737	CC	TT	1940357965
SNP_P1_112259_15737095	NC_021165.1	Ca_kabuli_chr06	15737095	GG	AA	1940357966
SNP_P1_112261_15746448	NC_021165.1	Ca_kabuli_chr06	15746448	AA	TT	1940357968
SNP_P1_112262_15752416	NC_021165.1	Ca_kabuli_chr06	15752416	GG	AA	1940357970
SNP_P1_112263_15784012	NC_021165.1	Ca_kabuli_chr06	15784012	GG	TT	1940357972
SNP_P1_112264_15803715	NC_021165.1	Ca_kabuli_chr06	15803715	GG	AA	1940357973
SNP_P1_112265_15816924	NC_021165.1	Ca_kabuli_chr06	15816924	CC	TT	1940357975
SNP_P1_112266_15821007	NC_021165.1	Ca_kabuli_chr06	15821007	TT	CC	1940357977
SNP_P1_112267_15826128	NC_021165.1	Ca_kabuli_chr06	15826128	CC	AA	1940357978
SNP_P1_112268_15826129	NC_021165.1	Ca_kabuli_chr06	15826129	TT	GG	1940357980
SNP_P1_112269_15835925	NC_021165.1	Ca_kabuli_chr06	15835925	TT	AA	1940357982
SNP_P1_112270_15841256	NC_021165.1	Ca_kabuli_chr06	15841256	GG	AA	1940357984
SNP_P1_112272_15854437	NC_021165.1	Ca_kabuli_chr06	15854437	AA	GG	1940357985
SNP_P1_112273_15854461	NC_021165.1	Ca_kabuli_chr06	15854461	CC	TT	1940357987
SNP_P1_112275_15867441	NC_021165.1	Ca_kabuli_chr06	15867441	TT	CC	1940357989
SNP_P1_112278_15882982	NC_021165.1	Ca_kabuli_chr06	15882982	AA	TT	1940357991
SNP_P1_112279_15885800	NC_021165.1	Ca_kabuli_chr06	15885800	GG	AA	1940357992
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SNP_P1_112283_15924552	NC_021165.1	Ca_kabuli_chr06	15924552	GG	TT	1940357999
SNP_P1_112285_15935767	NC_021165.1	Ca_kabuli_chr06	15935767	CC	TT	1940358001
SNP_P1_112286_15944754	NC_021165.1	Ca_kabuli_chr06	15944754	GG	AA	1940358003
SNP_P1_112288_15945404	NC_021165.1	Ca_kabuli_chr06	15945404	GG	CC	1940358005
SNP_P1_112289_15956788	NC_021165.1	Ca_kabuli_chr06	15956788	TT	AA	1940358006
SNP_P1_112290_15982024	NC_021165.1	Ca_kabuli_chr06	15982024	AA	TT	1940358008
SNP_P1_112291_15982085	NC_021165.1	Ca_kabuli_chr06	15982085	GG	CC	1940358010
SNP_P1_112292_15982347	NC_021165.1	Ca_kabuli_chr06	15982347	GG	TT	1940358012
SNP_P1_112293_15982754	NC_021165.1	Ca_kabuli_chr06	15982754	AA	GG	1940358013
SNP_P1_112294_15983221	NC_021165.1	Ca_kabuli_chr06	15983221	TT	CC	1940358015
SNP_P1_112295_15985799	NC_021165.1	Ca_kabuli_chr06	15985799	GG	AA	1940358017
SNP_P1_112296_15985800	NC_021165.1	Ca_kabuli_chr06	15985800	GG	AA	1940358018
SNP_P1_112297_15987878	NC_021165.1	Ca_kabuli_chr06	15987878	CC	TT	1940358020
SNP_P1_112298_15990801	NC_021165.1	Ca_kabuli_chr06	15990801	TT	CC	1940358022
SNP_P1_112299_15990804	NC_021165.1	Ca_kabuli_chr06	15990804	CC	TT	1940358024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112301_15991045	NC_021165.1	Ca_kabuli_chr06	15991045	CC	GG	1940358027
SNP_P1_112302_15991143	NC_021165.1	Ca_kabuli_chr06	15991143	TT	GG	1940358029
SNP_P1_112303_15991147	NC_021165.1	Ca_kabuli_chr06	15991147	AA	GG	1940358031
SNP_P1_112304_15991154	NC_021165.1	Ca_kabuli_chr06	15991154	GG	CC	1940358032
SNP_P1_112305_15991177	NC_021165.1	Ca_kabuli_chr06	15991177	CC	TT	1940358034
SNP_P1_112306_15991239	NC_021165.1	Ca_kabuli_chr06	15991239	TT	CC	1940358036
SNP_P1_112307_15991354	NC_021165.1	Ca_kabuli_chr06	15991354	GG	CC	1940358038
SNP_P1_112308_15991357	NC_021165.1	Ca_kabuli_chr06	15991357	TT	GG	1940358039
SNP_P1_112309_15991579	NC_021165.1	Ca_kabuli_chr06	15991579	TT	AA	1940358041
SNP_P1_112310_15991775	NC_021165.1	Ca_kabuli_chr06	15991775	GG	AA	1940358043
SNP_P1_112311_15991852	NC_021165.1	Ca_kabuli_chr06	15991852	AA	GG	1940358045
SNP_P1_112312_15993358	NC_021165.1	Ca_kabuli_chr06	15993358	TT	CC	1940358046
SNP_P1_112313_15993473	NC_021165.1	Ca_kabuli_chr06	15993473	CC	AA	1940358048
SNP_P1_112314_15993526	NC_021165.1	Ca_kabuli_chr06	15993526	GG	AA	1940358050
SNP_P1_112315_15993722	NC_021165.1	Ca_kabuli_chr06	15993722	CC	AA	1940358052
SNP_P1_112316_15993746	NC_021165.1	Ca_kabuli_chr06	15993746	GG	CC	1940358053
SNP_P1_112317_15996090	NC_021165.1	Ca_kabuli_chr06	15996090	CC	TT	1940358055
SNP_P1_112318_15996092	NC_021165.1	Ca_kabuli_chr06	15996092	CC	TT	1940358057
SNP_P1_112319_15996119	NC_021165.1	Ca_kabuli_chr06	15996119	TT	CC	1940358058
SNP_P1_112320_15996126	NC_021165.1	Ca_kabuli_chr06	15996126	AA	GG	1940358060
SNP_P1_112321_15996147	NC_021165.1	Ca_kabuli_chr06	15996147	TT	CC	1940358062
SNP_P1_112322_15999308	NC_021165.1	Ca_kabuli_chr06	15999308	AA	GG	1940358064
SNP_P1_112323_15999329	NC_021165.1	Ca_kabuli_chr06	15999329	AA	CC	1940358065
SNP_P1_112324_15999334	NC_021165.1	Ca_kabuli_chr06	15999334	TT	CC	1940358067
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SNP_P1_112326_15999602	NC_021165.1	Ca_kabuli_chr06	15999602	GG	AA	1940358071
SNP_P1_112327_15999607	NC_021165.1	Ca_kabuli_chr06	15999607	TT	CC	1940358072
SNP_P1_112328_15999718	NC_021165.1	Ca_kabuli_chr06	15999718	TT	GG	1940358074
SNP_P1_112330_15999992	NC_021165.1	Ca_kabuli_chr06	15999992	CC	AA	1940358076
SNP_P1_112331_16010494	NC_021165.1	Ca_kabuli_chr06	16010494	TT	AA	1940358078
SNP_P1_112332_16010596	NC_021165.1	Ca_kabuli_chr06	16010596	TT	CC	1940358079
SNP_P1_112333_16010649	NC_021165.1	Ca_kabuli_chr06	16010649	TT	AA	1940358081
SNP_P1_112334_16010743	NC_021165.1	Ca_kabuli_chr06	16010743	AA	GG	1940358083
SNP_P1_112335_16010796	NC_021165.1	Ca_kabuli_chr06	16010796	AA	GG	1940358085
SNP_P1_112336_16010801	NC_021165.1	Ca_kabuli_chr06	16010801	GG	CC	1940358086
SNP_P1_112337_16010859	NC_021165.1	Ca_kabuli_chr06	16010859	CC	TT	1940358088
SNP_P1_112339_16011070	NC_021165.1	Ca_kabuli_chr06	16011070	TT	AA	1940358090
SNP_P1_112341_16013267	NC_021165.1	Ca_kabuli_chr06	16013267	AA	GG	1940358091
SNP_P1_112342_16013327	NC_021165.1	Ca_kabuli_chr06	16013327	AA	CC	1940358093
SNP_P1_112343_16013527	NC_021165.1	Ca_kabuli_chr06	16013527	TT	GG	1940358095
SNP_P1_112344_16018067	NC_021165.1	Ca_kabuli_chr06	16018067	CC	TT	1940358097

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112346_16018267	NC_021165.1	Ca_kabuli_chr06	16018267	GG	AA	1940358100
SNP_P1_112347_16018421	NC_021165.1	Ca_kabuli_chr06	16018421	CC	GG	1940358102
SNP_P1_112348_16018794	NC_021165.1	Ca_kabuli_chr06	16018794	TT	CC	1940358104
SNP_P1_112349_16018813	NC_021165.1	Ca_kabuli_chr06	16018813	CC	TT	1940358105
SNP_P1_112350_16018821	NC_021165.1	Ca_kabuli_chr06	16018821	AA	GG	1940358107
SNP_P1_112351_16019074	NC_021165.1	Ca_kabuli_chr06	16019074	TT	CC	1940358109
SNP_P1_112352_16019517	NC_021165.1	Ca_kabuli_chr06	16019517	TT	GG	1940358111
SNP_P1_112353_16019685	NC_021165.1	Ca_kabuli_chr06	16019685	AA	GG	1940358112
SNP_P1_112354_16019735	NC_021165.1	Ca_kabuli_chr06	16019735	TT	CC	1940358114
SNP_P1_112355_16019915	NC_021165.1	Ca_kabuli_chr06	16019915	CC	AA	1940358116
SNP_P1_112356_16019934	NC_021165.1	Ca_kabuli_chr06	16019934	CC	TT	1940358118
SNP_P1_112357_16020114	NC_021165.1	Ca_kabuli_chr06	16020114	GG	TT	1940358119
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SNP_P1_112360_16027261	NC_021165.1	Ca_kabuli_chr06	16027261	TT	CC	1940358123
SNP_P1_112362_16028134	NC_021165.1	Ca_kabuli_chr06	16028134	GG	AA	1940358125
SNP_P1_112363_16041334	NC_021165.1	Ca_kabuli_chr06	16041334	AA	TT	1940358126
SNP_P1_112365_16056746	NC_021165.1	Ca_kabuli_chr06	16056746	CC	TT	1940358128
SNP_P1_112366_16057274	NC_021165.1	Ca_kabuli_chr06	16057274	TT	CC	1940358130
SNP_P1_112367_16063262	NC_021165.1	Ca_kabuli_chr06	16063262	GG	AA	1940358131
SNP_P1_112368_16063277	NC_021165.1	Ca_kabuli_chr06	16063277	CC	TT	1940358133
SNP_P1_112369_16063284	NC_021165.1	Ca_kabuli_chr06	16063284	GG	AA	1940358135
SNP_P1_112370_16063301	NC_021165.1	Ca_kabuli_chr06	16063301	AA	CC	1940358137
SNP_P1_112371_16063323	NC_021165.1	Ca_kabuli_chr06	16063323	TT	GG	1940358138
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SNP_P1_112374_16063372	NC_021165.1	Ca_kabuli_chr06	16063372	GG	AA	1940358142
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SNP_P1_112378_16143252	NC_021165.1	Ca_kabuli_chr06	16143252	TT	CC	1940358145
SNP_P1_112379_16154108	NC_021165.1	Ca_kabuli_chr06	16154108	CC	TT	1940358147
SNP_P1_112380_16165675	NC_021165.1	Ca_kabuli_chr06	16165675	AA	GG	1940358149
SNP_P1_112381_16167631	NC_021165.1	Ca_kabuli_chr06	16167631	AA	GG	1940358151
SNP_P1_112382_16181607	NC_021165.1	Ca_kabuli_chr06	16181607	TT	CC	1940358152
SNP_P1_112383_16183115	NC_021165.1	Ca_kabuli_chr06	16183115	GG	TT	1940358154
SNP_P1_112384_16183126	NC_021165.1	Ca_kabuli_chr06	16183126	CC	TT	1940358156
SNP_P1_112385_16185196	NC_021165.1	Ca_kabuli_chr06	16185196	CC	AA	1940358158
SNP_P1_112386_16222778	NC_021165.1	Ca_kabuli_chr06	16222778	GG	AA	1940358159
SNP_P1_112387_16225947	NC_021165.1	Ca_kabuli_chr06	16225947	CC	AA	1940358161
SNP_P1_112388_16228828	NC_021165.1	Ca_kabuli_chr06	16228828	AA	GG	1940358163
SNP_P1_112389_16237334	NC_021165.1	Ca_kabuli_chr06	16237334	TT	CC	1940358165
SNP_P1_112390_16243391	NC_021165.1	Ca_kabuli_chr06	16243391	TT	CC	1940358166
SNP_P1_112394_16271150	NC_021165.1	Ca_kabuli_chr06	16271150	AA	GG	1940358168
SNP_P1_112395_16276056	NC_021165.1	Ca_kabuli_chr06	16276056	AA	TT	1940358170

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112400_16339036	NC_021165.1	Ca_kabuli_chr06	16339036	GG	AA	1940358175
SNP_P1_112402_16347498	NC_021165.1	Ca_kabuli_chr06	16347498	AA	GG	1940358177
SNP_P1_112404_16358175	NC_021165.1	Ca_kabuli_chr06	16358175	CC	TT	1940358178
SNP_P1_112405_16359133	NC_021165.1	Ca_kabuli_chr06	16359133	GG	AA	1940358180
SNP_P1_112406_16359184	NC_021165.1	Ca_kabuli_chr06	16359184	CC	TT	1940358182
SNP_P1_112407_16366121	NC_021165.1	Ca_kabuli_chr06	16366121	AA	GG	1940358184
SNP_P1_112408_16371519	NC_021165.1	Ca_kabuli_chr06	16371519	AA	GG	1940358185
SNP_P1_112410_16373879	NC_021165.1	Ca_kabuli_chr06	16373879	TT	CC	1940358187
SNP_P1_112411_16377192	NC_021165.1	Ca_kabuli_chr06	16377192	CC	GG	1940358189
SNP_P1_112412_16393511	NC_021165.1	Ca_kabuli_chr06	16393511	AA	TT	1940358191
SNP_P1_112414_16398014	NC_021165.1	Ca_kabuli_chr06	16398014	TT	AA	1940358192
SNP_P1_112417_16412790	NC_021165.1	Ca_kabuli_chr06	16412790	CC	TT	1940358194
SNP_P1_112419_16425951	NC_021165.1	Ca_kabuli_chr06	16425951	TT	AA	1940358196
SNP_P1_112420_16425952	NC_021165.1	Ca_kabuli_chr06	16425952	CC	TT	1940358198
SNP_P1_112421_16425988	NC_021165.1	Ca_kabuli_chr06	16425988	CC	TT	1940358199
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SNP_P1_112423_16425998	NC_021165.1	Ca_kabuli_chr06	16425998	CC	AA	1940358203
SNP_P1_112424_16426198	NC_021165.1	Ca_kabuli_chr06	16426198	TT	CC	1940358205
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SNP_P1_112427_16426333	NC_021165.1	Ca_kabuli_chr06	16426333	AA	TT	1940358210
SNP_P1_112428_16426350	NC_021165.1	Ca_kabuli_chr06	16426350	AA	GG	1940358212
SNP_P1_112429_16426392	NC_021165.1	Ca_kabuli_chr06	16426392	TT	GG	1940358213
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SNP_P1_112432_16428164	NC_021165.1	Ca_kabuli_chr06	16428164	AA	GG	1940358218
SNP_P1_112433_16428190	NC_021165.1	Ca_kabuli_chr06	16428190	GG	AA	1940358220
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SNP_P1_112435_16428364	NC_021165.1	Ca_kabuli_chr06	16428364	GG	AA	1940358224
SNP_P1_112436_16428450	NC_021165.1	Ca_kabuli_chr06	16428450	TT	CC	1940358225
SNP_P1_112437_16428458	NC_021165.1	Ca_kabuli_chr06	16428458	AA	GG	1940358227
SNP_P1_112438_16428943	NC_021165.1	Ca_kabuli_chr06	16428943	AA	GG	1940358229
SNP_P1_112439_16436457	NC_021165.1	Ca_kabuli_chr06	16436457	TT	CC	1940358231
SNP_P1_112440_16443536	NC_021165.1	Ca_kabuli_chr06	16443536	AA	CC	1940358232
SNP_P1_112441_16449674	NC_021165.1	Ca_kabuli_chr06	16449674	CC	TT	1940358234
SNP_P1_112443_16515720	NC_021165.1	Ca_kabuli_chr06	16515720	GG	AA	1940358236
SNP_P1_112444_16544877	NC_021165.1	Ca_kabuli_chr06	16544877	TT	CC	1940358238
SNP_P1_112445_16544878	NC_021165.1	Ca_kabuli_chr06	16544878	TT	AA	1940358239
SNP_P1_112449_16557214	NC_021165.1	Ca_kabuli_chr06	16557214	AA	GG	1940358241
SNP_P1_112450_16600012	NC_021165.1	Ca_kabuli_chr06	16600012	GG	AA	1940358243

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112454_16617945	NC_021165.1	Ca_kabuli_chr06	16617945	CC	TT	1940358248
SNP_P1_112456_16629382	NC_021165.1	Ca_kabuli_chr06	16629382	TT	AA	1940358250
SNP_P1_112457_16647654	NC_021165.1	Ca_kabuli_chr06	16647654	CC	TT	1940358252
SNP_P1_112459_16686453	NC_021165.1	Ca_kabuli_chr06	16686453	GG	AA	1940358253
SNP_P1_112461_16714160	NC_021165.1	Ca_kabuli_chr06	16714160	TT	CC	1940358255
SNP_P1_112463_16768202	NC_021165.1	Ca_kabuli_chr06	16768202	AA	TT	1940358257
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SNP_P1_112465_16793369	NC_021165.1	Ca_kabuli_chr06	16793369	AA	TT	1940358260
SNP_P1_112466_16821885	NC_021165.1	Ca_kabuli_chr06	16821885	CC	AA	1940358262
SNP_P1_112467_16822042	NC_021165.1	Ca_kabuli_chr06	16822042	TT	CC	1940358264
SNP_P1_112468_16822056	NC_021165.1	Ca_kabuli_chr06	16822056	CC	TT	1940358265
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SNP_P1_112473_16823424	NC_021165.1	Ca_kabuli_chr06	16823424	GG	AA	1940358274
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SNP_P1_112480_16881522	NC_021165.1	Ca_kabuli_chr06	16881522	TT	GG	1940358285
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SNP_P1_112484_16933717	NC_021165.1	Ca_kabuli_chr06	16933717	CC	TT	1940358292
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SNP_P1_112487_16962111	NC_021165.1	Ca_kabuli_chr06	16962111	GG	AA	1940358297
SNP_P1_112488_16962131	NC_021165.1	Ca_kabuli_chr06	16962131	AA	GG	1940358298
SNP_P1_112489_16962132	NC_021165.1	Ca_kabuli_chr06	16962132	CC	AA	1940358300
SNP_P1_112490_16962134	NC_021165.1	Ca_kabuli_chr06	16962134	AA	GG	1940358302
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SNP_P1_112492_16983559	NC_021165.1	Ca_kabuli_chr06	16983559	AA	GG	1940358305
SNP_P1_112493_16983612	NC_021165.1	Ca_kabuli_chr06	16983612	TT	AA	1940358307
SNP_P1_112494_16983704	NC_021165.1	Ca_kabuli_chr06	16983704	TT	GG	1940358309
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SNP_P1_112496_16995808	NC_021165.1	Ca_kabuli_chr06	16995808	CC	TT	1940358312
SNP_P1_112497_16996805	NC_021165.1	Ca_kabuli_chr06	16996805	TT	CC	1940358314
SNP_P1_112498_16996827	NC_021165.1	Ca_kabuli_chr06	16996827	AA	GG	1940358316

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112501_17027381	NC_021165.1	Ca_kabuli_chr06	17027381	GG	AA	1940358319
SNP_P1_112502_17027397	NC_021165.1	Ca_kabuli_chr06	17027397	GG	CC	1940358321
SNP_P1_112503_17027461	NC_021165.1	Ca_kabuli_chr06	17027461	TT	CC	1940358323
SNP_P1_112504_17045320	NC_021165.1	Ca_kabuli_chr06	17045320	GG	AA	1940358325
SNP_P1_112505_17045360	NC_021165.1	Ca_kabuli_chr06	17045360	GG	AA	1940358326
SNP_P1_112506_17059548	NC_021165.1	Ca_kabuli_chr06	17059548	GG	AA	1940358328
SNP_P1_112507_17069704	NC_021165.1	Ca_kabuli_chr06	17069704	TT	CC	1940358330
SNP_P1_112508_17069729	NC_021165.1	Ca_kabuli_chr06	17069729	TT	CC	1940358332
SNP_P1_112509_17070081	NC_021165.1	Ca_kabuli_chr06	17070081	GG	AA	1940358333
SNP_P1_112510_17070121	NC_021165.1	Ca_kabuli_chr06	17070121	AA	GG	1940358335
SNP_P1_112511_17070135	NC_021165.1	Ca_kabuli_chr06	17070135	TT	CC	1940358337
SNP_P1_112512_17070244	NC_021165.1	Ca_kabuli_chr06	17070244	CC	TT	1940358338
SNP_P1_112513_17070253	NC_021165.1	Ca_kabuli_chr06	17070253	AA	GG	1940358340
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SNP_P1_112515_17070296	NC_021165.1	Ca_kabuli_chr06	17070296	CC	TT	1940358344
SNP_P1_112516_17070380	NC_021165.1	Ca_kabuli_chr06	17070380	CC	GG	1940358345
SNP_P1_112517_17072179	NC_021165.1	Ca_kabuli_chr06	17072179	GG	AA	1940358347
SNP_P1_112518_17072290	NC_021165.1	Ca_kabuli_chr06	17072290	AA	GG	1940358349
SNP_P1_112519_17072392	NC_021165.1	Ca_kabuli_chr06	17072392	CC	TT	1940358351
SNP_P1_112520_17072611	NC_021165.1	Ca_kabuli_chr06	17072611	CC	TT	1940358352
SNP_P1_112521_17072615	NC_021165.1	Ca_kabuli_chr06	17072615	TT	CC	1940358354
SNP_P1_112522_17072623	NC_021165.1	Ca_kabuli_chr06	17072623	AA	CC	1940358356
SNP_P1_112523_17072641	NC_021165.1	Ca_kabuli_chr06	17072641	AA	GG	1940358358
SNP_P1_112524_17072679	NC_021165.1	Ca_kabuli_chr06	17072679	AA	CC	1940358359
SNP_P1_112525_17072693	NC_021165.1	Ca_kabuli_chr06	17072693	AA	GG	1940358361
SNP_P1_112526_17072755	NC_021165.1	Ca_kabuli_chr06	17072755	GG	AA	1940358363
SNP_P1_112527_17072873	NC_021165.1	Ca_kabuli_chr06	17072873	AA	GG	1940358364
SNP_P1_112528_17083711	NC_021165.1	Ca_kabuli_chr06	17083711	GG	AA	1940358366
SNP_P1_112530_17091452	NC_021165.1	Ca_kabuli_chr06	17091452	CC	TT	1940358368
SNP_P1_112531_17091454	NC_021165.1	Ca_kabuli_chr06	17091454	CC	GG	1940358370
SNP_P1_112532_17091538	NC_021165.1	Ca_kabuli_chr06	17091538	TT	AA	1940358371
SNP_P1_112533_17092636	NC_021165.1	Ca_kabuli_chr06	17092636	CC	TT	1940358373
SNP_P1_112535_17101285	NC_021165.1	Ca_kabuli_chr06	17101285	AA	TT	1940358375
SNP_P1_112536_17102158	NC_021165.1	Ca_kabuli_chr06	17102158	AA	TT	1940358377
SNP_P1_112537_17102221	NC_021165.1	Ca_kabuli_chr06	17102221	GG	CC	1940358378
SNP_P1_112538_17103410	NC_021165.1	Ca_kabuli_chr06	17103410	AA	TT	1940358380
SNP_P1_112539_17119144	NC_021165.1	Ca_kabuli_chr06	17119144	CC	TT	1940358382
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SNP_P1_112541_17182670	NC_021165.1	Ca_kabuli_chr06	17182670	GG	AA	1940358385
SNP_P1_112542_17182775	NC_021165.1	Ca_kabuli_chr06	17182775	TT	CC	1940358387
SNP_P1_112543_17184223	NC_021165.1	Ca_kabuli_chr06	17184223	CC	TT	1940358389

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112545_17192223	NC_021165.1	Ca_kabuli_chr06	17192223	AA	TT	1940358392
SNP_P1_112546_17194377	NC_021165.1	Ca_kabuli_chr06	17194377	CC	AA	1940358394
SNP_P1_112547_17221265	NC_021165.1	Ca_kabuli_chr06	17221265	AA	GG	1940358396
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SNP_P1_112550_17237023	NC_021165.1	Ca_kabuli_chr06	17237023	CC	TT	1940358399
SNP_P1_112551_17237161	NC_021165.1	Ca_kabuli_chr06	17237161	TT	CC	1940358401
SNP_P1_112552_17238498	NC_021165.1	Ca_kabuli_chr06	17238498	GG	AA	1940358403
SNP_P1_112553_17238934	NC_021165.1	Ca_kabuli_chr06	17238934	AA	TT	1940358405
SNP_P1_112554_17242982	NC_021165.1	Ca_kabuli_chr06	17242982	AA	TT	1940358406
SNP_P1_112555_17246964	NC_021165.1	Ca_kabuli_chr06	17246964	TT	CC	1940358408
SNP_P1_112556_17248123	NC_021165.1	Ca_kabuli_chr06	17248123	GG	AA	1940358410
SNP_P1_112558_17260997	NC_021165.1	Ca_kabuli_chr06	17260997	AA	GG	1940358411
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SNP_P1_112561_17279277	NC_021165.1	Ca_kabuli_chr06	17279277	CC	AA	1940358415
SNP_P1_112563_17326227	NC_021165.1	Ca_kabuli_chr06	17326227	AA	GG	1940358417
SNP_P1_112564_17328951	NC_021165.1	Ca_kabuli_chr06	17328951	CC	AA	1940358418
SNP_P1_112565_17335947	NC_021165.1	Ca_kabuli_chr06	17335947	AA	GG	1940358420
SNP_P1_112566_17337943	NC_021165.1	Ca_kabuli_chr06	17337943	GG	AA	1940358422
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SNP_P1_112569_17376680	NC_021165.1	Ca_kabuli_chr06	17376680	AA	TT	1940358427
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SNP_P1_112576_17437233	NC_021165.1	Ca_kabuli_chr06	17437233	GG	AA	1940358438
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SNP_P1_112578_17461279	NC_021165.1	Ca_kabuli_chr06	17461279	TT	AA	1940358441
SNP_P1_112579_17461294	NC_021165.1	Ca_kabuli_chr06	17461294	AA	TT	1940358443
SNP_P1_112580_17461605	NC_021165.1	Ca_kabuli_chr06	17461605	AA	TT	1940358445
SNP_P1_112581_17461623	NC_021165.1	Ca_kabuli_chr06	17461623	TT	AA	1940358446
SNP_P1_112582_17461633	NC_021165.1	Ca_kabuli_chr06	17461633	GG	AA	1940358448
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SNP_P1_112585_17489716	NC_021165.1	Ca_kabuli_chr06	17489716	AA	CC	1940358453
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SNP_P1_112588_17511515	NC_021165.1	Ca_kabuli_chr06	17511515	CC	TT	1940358457
SNP_P1_112589_17521663	NC_021165.1	Ca_kabuli_chr06	17521663	AA	GG	1940358459
SNP_P1_112590_17521712	NC_021165.1	Ca_kabuli_chr06	17521712	CC	TT	1940358460
SNP_P1_112591_17528851	NC_021165.1	Ca_kabuli_chr06	17528851	CC	TT	1940358462

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112596_17701589	NC_021165.1	Ca_kabuli_chr06	17701589	TT	GG	1940358469
SNP_P1_112597_17710539	NC_021165.1	Ca_kabuli_chr06	17710539	AA	GG	1940358471
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SNP_P1_112604_17752869	NC_021165.1	Ca_kabuli_chr06	17752869	TT	CC	1940358483
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SNP_P1_112607_17762997	NC_021165.1	Ca_kabuli_chr06	17762997	TT	GG	1940358488
SNP_P1_112608_17762999	NC_021165.1	Ca_kabuli_chr06	17762999	AA	CC	1940358490
SNP_P1_112611_17799480	NC_021165.1	Ca_kabuli_chr06	17799480	AA	CC	1940358492
SNP_P1_112612_17799482	NC_021165.1	Ca_kabuli_chr06	17799482	TT	CC	1940358493
SNP_P1_112613_17814115	NC_021165.1	Ca_kabuli_chr06	17814115	TT	CC	1940358495
SNP_P1_112614_17824971	NC_021165.1	Ca_kabuli_chr06	17824971	AA	GG	1940358497
SNP_P1_112616_17843999	NC_021165.1	Ca_kabuli_chr06	17843999	AA	GG	1940358499
SNP_P1_112617_17844189	NC_021165.1	Ca_kabuli_chr06	17844189	TT	GG	1940358500
SNP_P1_112619_17859016	NC_021165.1	Ca_kabuli_chr06	17859016	GG	CC	1940358502
SNP_P1_112620_17862822	NC_021165.1	Ca_kabuli_chr06	17862822	CC	GG	1940358504
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SNP_P1_112622_17881253	NC_021165.1	Ca_kabuli_chr06	17881253	CC	GG	1940358507
SNP_P1_112623_17882403	NC_021165.1	Ca_kabuli_chr06	17882403	GG	TT	1940358509
SNP_P1_112624_17884270	NC_021165.1	Ca_kabuli_chr06	17884270	CC	AA	1940358511
SNP_P1_112625_17901797	NC_021165.1	Ca_kabuli_chr06	17901797	TT	CC	1940358512
SNP_P1_112626_17913269	NC_021165.1	Ca_kabuli_chr06	17913269	GG	CC	1940358514
SNP_P1_112627_17913307	NC_021165.1	Ca_kabuli_chr06	17913307	AA	GG	1940358516
SNP_P1_112628_17913344	NC_021165.1	Ca_kabuli_chr06	17913344	CC	AA	1940358518
SNP_P1_112629_17913354	NC_021165.1	Ca_kabuli_chr06	17913354	TT	CC	1940358519
SNP_P1_112633_17934891	NC_021165.1	Ca_kabuli_chr06	17934891	TT	CC	1940358521
SNP_P1_112634_17947182	NC_021165.1	Ca_kabuli_chr06	17947182	CC	TT	1940358523
SNP_P1_112635_17955107	NC_021165.1	Ca_kabuli_chr06	17955107	AA	GG	1940358525
SNP_P1_112636_17955109	NC_021165.1	Ca_kabuli_chr06	17955109	AA	TT	1940358526
SNP_P1_112637_17960465	NC_021165.1	Ca_kabuli_chr06	17960465	CC	TT	1940358528
SNP_P1_112639_17993465	NC_021165.1	Ca_kabuli_chr06	17993465	CC	AA	1940358530
SNP_P1_112640_17993602	NC_021165.1	Ca_kabuli_chr06	17993602	CC	TT	1940358532
SNP_P1_112641_17993605	NC_021165.1	Ca_kabuli_chr06	17993605	CC	AA	1940358533
SNP_P1_112642_17993613	NC_021165.1	Ca_kabuli_chr06	17993613	TT	CC	1940358535

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112644_17993649	NC_021165.1	Ca_kabuli_chr06	17993649	CC	AA	1940358539
SNP_P1_112645_17994499	NC_021165.1	Ca_kabuli_chr06	17994499	GG	AA	1940358540
SNP_P1_112646_17994880	NC_021165.1	Ca_kabuli_chr06	17994880	AA	TT	1940358542
SNP_P1_112647_18008839	NC_021165.1	Ca_kabuli_chr06	18008839	CC	AA	1940358544
SNP_P1_112648_18012893	NC_021165.1	Ca_kabuli_chr06	18012893	TT	CC	1940358545
SNP_P1_112649_18016190	NC_021165.1	Ca_kabuli_chr06	18016190	TT	CC	1940358547
SNP_P1_112650_18023441	NC_021165.1	Ca_kabuli_chr06	18023441	AA	TT	1940358549
SNP_P1_112651_18024359	NC_021165.1	Ca_kabuli_chr06	18024359	CC	TT	1940358551
SNP_P1_112652_18032106	NC_021165.1	Ca_kabuli_chr06	18032106	CC	TT	1940358552
SNP_P1_112653_18045940	NC_021165.1	Ca_kabuli_chr06	18045940	CC	AA	1940358554
SNP_P1_112654_18047399	NC_021165.1	Ca_kabuli_chr06	18047399	AA	TT	1940358556
SNP_P1_112655_18047424	NC_021165.1	Ca_kabuli_chr06	18047424	GG	TT	1940358558
SNP_P1_112656_18047426	NC_021165.1	Ca_kabuli_chr06	18047426	AA	GG	1940358559
SNP_P1_112657_18056806	NC_021165.1	Ca_kabuli_chr06	18056806	TT	AA	1940358561
SNP_P1_112658_18056807	NC_021165.1	Ca_kabuli_chr06	18056807	TT	AA	1940358563
SNP_P1_112659_18061377	NC_021165.1	Ca_kabuli_chr06	18061377	GG	TT	1940358565
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SNP_P1_112661_18146022	NC_021165.1	Ca_kabuli_chr06	18146022	GG	AA	1940358568
SNP_P1_112662_18148514	NC_021165.1	Ca_kabuli_chr06	18148514	CC	TT	1940358570
SNP_P1_112663_18155712	NC_021165.1	Ca_kabuli_chr06	18155712	CC	TT	1940358572
SNP_P1_112664_18155748	NC_021165.1	Ca_kabuli_chr06	18155748	AA	GG	1940358573
SNP_P1_112665_18156735	NC_021165.1	Ca_kabuli_chr06	18156735	GG	AA	1940358575
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SNP_P1_112669_18192609	NC_021165.1	Ca_kabuli_chr06	18192609	GG	AA	1940358580
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SNP_P1_112672_18249158	NC_021165.1	Ca_kabuli_chr06	18249158	TT	AA	1940358584
SNP_P1_112675_18342672	NC_021165.1	Ca_kabuli_chr06	18342672	AA	CC	1940358585
SNP_P1_112676_18343480	NC_021165.1	Ca_kabuli_chr06	18343480	CC	AA	1940358587
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SNP_P1_112680_18344041	NC_021165.1	Ca_kabuli_chr06	18344041	TT	CC	1940358594
SNP_P1_112681_18344071	NC_021165.1	Ca_kabuli_chr06	18344071	CC	TT	1940358596
SNP_P1_112682_18350921	NC_021165.1	Ca_kabuli_chr06	18350921	CC	AA	1940358598
SNP_P1_112683_18354014	NC_021165.1	Ca_kabuli_chr06	18354014	GG	TT	1940358599
SNP_P1_112684_18354026	NC_021165.1	Ca_kabuli_chr06	18354026	CC	AA	1940358601
SNP_P1_112685_18355459	NC_021165.1	Ca_kabuli_chr06	18355459	AA	GG	1940358603
SNP_P1_112686_18355460	NC_021165.1	Ca_kabuli_chr06	18355460	TT	CC	1940358605
SNP_P1_112687_18355516	NC_021165.1	Ca_kabuli_chr06	18355516	CC	TT	1940358606
SNP_P1_112688_18355544	NC_021165.1	Ca_kabuli_chr06	18355544	CC	TT	1940358608

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112690_18355596	NC_021165.1	Ca_kabuli_chr06	18355596	AA	GG	1940358612
SNP_P1_112691_18355601	NC_021165.1	Ca_kabuli_chr06	18355601	AA	GG	1940358613
SNP_P1_112692_18355664	NC_021165.1	Ca_kabuli_chr06	18355664	GG	AA	1940358615
SNP_P1_112693_18355765	NC_021165.1	Ca_kabuli_chr06	18355765	CC	TT	1940358617
SNP_P1_112694_18355771	NC_021165.1	Ca_kabuli_chr06	18355771	AA	TT	1940358619
SNP_P1_112695_18355834	NC_021165.1	Ca_kabuli_chr06	18355834	TT	CC	1940358620
SNP_P1_112696_18381550	NC_021165.1	Ca_kabuli_chr06	18381550	GG	AA	1940358622
SNP_P1_112698_18421085	NC_021165.1	Ca_kabuli_chr06	18421085	AA	GG	1940358624
SNP_P1_112699_18425162	NC_021165.1	Ca_kabuli_chr06	18425162	TT	CC	1940358625
SNP_P1_112700_18429085	NC_021165.1	Ca_kabuli_chr06	18429085	GG	AA	1940358627
SNP_P1_112701_18434067	NC_021165.1	Ca_kabuli_chr06	18434067	AA	GG	1940358629
SNP_P1_112702_18442400	NC_021165.1	Ca_kabuli_chr06	18442400	GG	TT	1940358631
SNP_P1_112703_18449386	NC_021165.1	Ca_kabuli_chr06	18449386	AA	GG	1940358632
SNP_P1_112705_18509483	NC_021165.1	Ca_kabuli_chr06	18509483	TT	AA	1940358634
SNP_P1_112706_18517547	NC_021165.1	Ca_kabuli_chr06	18517547	GG	AA	1940358636
SNP_P1_112708_18543156	NC_021165.1	Ca_kabuli_chr06	18543156	AA	GG	1940358638
SNP_P1_112709_18574731	NC_021165.1	Ca_kabuli_chr06	18574731	TT	CC	1940358639
SNP_P1_112710_18575315	NC_021165.1	Ca_kabuli_chr06	18575315	TT	GG	1940358641
SNP_P1_112711_18577404	NC_021165.1	Ca_kabuli_chr06	18577404	CC	TT	1940358643
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SNP_P1_112713_18594163	NC_021165.1	Ca_kabuli_chr06	18594163	CC	TT	1940358646
SNP_P1_112714_18594339	NC_021165.1	Ca_kabuli_chr06	18594339	TT	GG	1940358648
SNP_P1_112715_18594644	NC_021165.1	Ca_kabuli_chr06	18594644	AA	GG	1940358650
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SNP_P1_112717_18602624	NC_021165.1	Ca_kabuli_chr06	18602624	GG	AA	1940358653
SNP_P1_112718_18603043	NC_021165.1	Ca_kabuli_chr06	18603043	AA	GG	1940358655
SNP_P1_112719_18603079	NC_021165.1	Ca_kabuli_chr06	18603079	AA	GG	1940358657
SNP_P1_112720_18603083	NC_021165.1	Ca_kabuli_chr06	18603083	GG	TT	1940358659
SNP_P1_112721_18603422	NC_021165.1	Ca_kabuli_chr06	18603422	CC	TT	1940358660
SNP_P1_112722_18603461	NC_021165.1	Ca_kabuli_chr06	18603461	TT	CC	1940358662
SNP_P1_112723_18617560	NC_021165.1	Ca_kabuli_chr06	18617560	GG	CC	1940358664
SNP_P1_112724_18617561	NC_021165.1	Ca_kabuli_chr06	18617561	CC	TT	1940358665
SNP_P1_112725_18617579	NC_021165.1	Ca_kabuli_chr06	18617579	TT	CC	1940358667
SNP_P1_112726_18617680	NC_021165.1	Ca_kabuli_chr06	18617680	TT	CC	1940358669
SNP_P1_112727_18617729	NC_021165.1	Ca_kabuli_chr06	18617729	AA	GG	1940358671
SNP_P1_112728_18617984	NC_021165.1	Ca_kabuli_chr06	18617984	TT	CC	1940358672
SNP_P1_112729_18622038	NC_021165.1	Ca_kabuli_chr06	18622038	TT	AA	1940358674
SNP_P1_112730_18622249	NC_021165.1	Ca_kabuli_chr06	18622249	GG	AA	1940358676
SNP_P1_112731_18622312	NC_021165.1	Ca_kabuli_chr06	18622312	AA	GG	1940358678
SNP_P1_112732_18622360	NC_021165.1	Ca_kabuli_chr06	18622360	AA	GG	1940358679
SNP_P1_112733_18624109	NC_021165.1	Ca_kabuli_chr06	18624109	AA	GG	1940358681

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112736_18650553	NC_021165.1	Ca_kabuli_chr06	18650553	CC	TT	1940358685
SNP_P1_112737_18654920	NC_021165.1	Ca_kabuli_chr06	18654920	CC	TT	1940358686
SNP_P1_112738_18655228	NC_021165.1	Ca_kabuli_chr06	18655228	AA	CC	1940358688
SNP_P1_112741_18686723	NC_021165.1	Ca_kabuli_chr06	18686723	TT	AA	1940358690
SNP_P1_112742_18688158	NC_021165.1	Ca_kabuli_chr06	18688158	AA	GG	1940358692
SNP_P1_112743_18696237	NC_021165.1	Ca_kabuli_chr06	18696237	GG	CC	1940358693
SNP_P1_112744_18699485	NC_021165.1	Ca_kabuli_chr06	18699485	AA	GG	1940358695
SNP_P1_112745_18703667	NC_021165.1	Ca_kabuli_chr06	18703667	GG	TT	1940358697
SNP_P1_112746_18703895	NC_021165.1	Ca_kabuli_chr06	18703895	TT	AA	1940358699
SNP_P1_112747_18704460	NC_021165.1	Ca_kabuli_chr06	18704460	TT	CC	1940358700
SNP_P1_112748_18706781	NC_021165.1	Ca_kabuli_chr06	18706781	CC	TT	1940358702
SNP_P1_112749_18712279	NC_021165.1	Ca_kabuli_chr06	18712279	CC	TT	1940358704
SNP_P1_112751_18731510	NC_021165.1	Ca_kabuli_chr06	18731510	CC	TT	1940358706
SNP_P1_112752_18731511	NC_021165.1	Ca_kabuli_chr06	18731511	GG	AA	1940358707
SNP_P1_112754_18739786	NC_021165.1	Ca_kabuli_chr06	18739786	TT	CC	1940358709
SNP_P1_112755_18769523	NC_021165.1	Ca_kabuli_chr06	18769523	TT	CC	1940358711
SNP_P1_112756_18790726	NC_021165.1	Ca_kabuli_chr06	18790726	AA	GG	1940358713
SNP_P1_112758_18791173	NC_021165.1	Ca_kabuli_chr06	18791173	AA	GG	1940358714
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SNP_P1_112760_18795122	NC_021165.1	Ca_kabuli_chr06	18795122	TT	GG	1940358718
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SNP_P1_112762_18814194	NC_021165.1	Ca_kabuli_chr06	18814194	AA	TT	1940358721
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SNP_P1_112766_18874033	NC_021165.1	Ca_kabuli_chr06	18874033	AA	GG	1940358726
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SNP_P1_112769_18897444	NC_021165.1	Ca_kabuli_chr06	18897444	TT	GG	1940358730
SNP_P1_112770_18897446	NC_021165.1	Ca_kabuli_chr06	18897446	TT	CC	1940358732
SNP_P1_112771_18931846	NC_021165.1	Ca_kabuli_chr06	18931846	AA	GG	1940358733
SNP_P1_112773_18958715	NC_021165.1	Ca_kabuli_chr06	18958715	AA	GG	1940358735
SNP_P1_112774_18960339	NC_021165.1	Ca_kabuli_chr06	18960339	AA	TT	1940358737
SNP_P1_112775_18998794	NC_021165.1	Ca_kabuli_chr06	18998794	AA	GG	1940358739
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SNP_P1_112779_19078483	NC_021165.1	Ca_kabuli_chr06	19078483	GG	CC	1940358746
SNP_P1_112780_19081957	NC_021165.1	Ca_kabuli_chr06	19081957	CC	TT	1940358747
SNP_P1_112781_19089512	NC_021165.1	Ca_kabuli_chr06	19089512	CC	GG	1940358749
SNP_P1_112783_19095438	NC_021165.1	Ca_kabuli_chr06	19095438	TT	CC	1940358751
SNP_P1_112784_19100349	NC_021165.1	Ca_kabuli_chr06	19100349	TT	CC	1940358753
SNP_P1_112785_19149960	NC_021165.1	Ca_kabuli_chr06	19149960	TT	CC	1940358754

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112789_19182710	NC_021165.1	Ca_kabuli_chr06	19182710	TT	CC	1940358758
SNP_P1_112790_19186804	NC_021165.1	Ca_kabuli_chr06	19186804	TT	CC	1940358760
SNP_P1_112791_19193218	NC_021165.1	Ca_kabuli_chr06	19193218	TT	CC	1940358761
SNP_P1_112793_19225720	NC_021165.1	Ca_kabuli_chr06	19225720	AA	TT	1940358763
SNP_P1_112795_19251213	NC_021165.1	Ca_kabuli_chr06	19251213	CC	AA	1940358765
SNP_P1_112796_19259676	NC_021165.1	Ca_kabuli_chr06	19259676	TT	AA	1940358766
SNP_P1_112797_19268974	NC_021165.1	Ca_kabuli_chr06	19268974	TT	CC	1940358768
SNP_P1_112798_19293264	NC_021165.1	Ca_kabuli_chr06	19293264	GG	AA	1940358770
SNP_P1_112799_19298634	NC_021165.1	Ca_kabuli_chr06	19298634	TT	CC	1940358772
SNP_P1_112800_19340108	NC_021165.1	Ca_kabuli_chr06	19340108	TT	GG	1940358773
SNP_P1_112803_19362177	NC_021165.1	Ca_kabuli_chr06	19362177	AA	GG	1940358775
SNP_P1_112805_19375284	NC_021165.1	Ca_kabuli_chr06	19375284	AA	GG	1940358777
SNP_P1_112806_19385788	NC_021165.1	Ca_kabuli_chr06	19385788	TT	AA	1940358779
SNP_P1_112807_19410501	NC_021165.1	Ca_kabuli_chr06	19410501	GG	AA	1940358780
SNP_P1_112808_19423324	NC_021165.1	Ca_kabuli_chr06	19423324	GG	AA	1940358782
SNP_P1_112809_19438742	NC_021165.1	Ca_kabuli_chr06	19438742	AA	GG	1940358784
SNP_P1_112810_19498756	NC_021165.1	Ca_kabuli_chr06	19498756	CC	TT	1940358786
SNP_P1_112813_19532770	NC_021165.1	Ca_kabuli_chr06	19532770	AA	CC	1940358787
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SNP_P1_112815_19571688	NC_021165.1	Ca_kabuli_chr06	19571688	TT	GG	1940358791
SNP_P1_112816_19582082	NC_021165.1	Ca_kabuli_chr06	19582082	GG	AA	1940358793
SNP_P1_112818_19636618	NC_021165.1	Ca_kabuli_chr06	19636618	AA	GG	1940358794
SNP_P1_112819_19650398	NC_021165.1	Ca_kabuli_chr06	19650398	AA	GG	1940358796
SNP_P1_112820_19651585	NC_021165.1	Ca_kabuli_chr06	19651585	AA	GG	1940358798
SNP_P1_112821_19651587	NC_021165.1	Ca_kabuli_chr06	19651587	AA	CC	1940358800
SNP_P1_112823_19721635	NC_021165.1	Ca_kabuli_chr06	19721635	CC	TT	1940358801
SNP_P1_112824_19734686	NC_021165.1	Ca_kabuli_chr06	19734686	TT	GG	1940358803
SNP_P1_112826_19750547	NC_021165.1	Ca_kabuli_chr06	19750547	TT	CC	1940358805
SNP_P1_112827_20493921	NC_021165.1	Ca_kabuli_chr06	20493921	GG	AA	1940358807
SNP_P1_112828_20493974	NC_021165.1	Ca_kabuli_chr06	20493974	CC	TT	1940358808
SNP_P1_112829_20494040	NC_021165.1	Ca_kabuli_chr06	20494040	AA	GG	1940358810
SNP_P1_112830_20494118	NC_021165.1	Ca_kabuli_chr06	20494118	GG	TT	1940358812
SNP_P1_112831_20494183	NC_021165.1	Ca_kabuli_chr06	20494183	GG	AA	1940358814
SNP_P1_112832_20494467	NC_021165.1	Ca_kabuli_chr06	20494467	TT	CC	1940358815
SNP_P1_112833_20494689	NC_021165.1	Ca_kabuli_chr06	20494689	TT	CC	1940358817
SNP_P1_112834_20502877	NC_021165.1	Ca_kabuli_chr06	20502877	CC	TT	1940358819
SNP_P1_112836_20524953	NC_021165.1	Ca_kabuli_chr06	20524953	CC	TT	1940358820
SNP_P1_112837_20525012	NC_021165.1	Ca_kabuli_chr06	20525012	GG	AA	1940358822
SNP_P1_112839_20571082	NC_021165.1	Ca_kabuli_chr06	20571082	GG	AA	1940358824
SNP_P1_112840_20605610	NC_021165.1	Ca_kabuli_chr06	20605610	CC	TT	1940358826
SNP_P1_112842_20623090	NC_021165.1	Ca_kabuli_chr06	20623090	CC	TT	1940358827

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_112843_20631913	NC_021165.1	Ca_kabuli_chr06	20631913	TT	AA	1940358829
SNP_P1_112844_20672295	NC_021165.1	Ca_kabuli_chr06	20672295	GG	TT	1940358831
SNP_P1_112845_20675421	NC_021165.1	Ca_kabuli_chr06	20675421	CC	TT	1940358833
SNP_P1_112846_20675423	NC_021165.1	Ca_kabuli_chr06	20675423	CC	AA	1940358834
SNP_P1_112847_20706471	NC_021165.1	Ca_kabuli_chr06	20706471	CC	TT	1940358836
SNP_P1_112848_20706491	NC_021165.1	Ca_kabuli_chr06	20706491	CC	TT	1940358838
SNP_P1_112849_20711633	NC_021165.1	Ca_kabuli_chr06	20711633	TT	AA	1940358840
SNP_P1_112850_20711635	NC_021165.1	Ca_kabuli_chr06	20711635	TT	AA	1940358841
SNP_P1_112851_20723830	NC_021165.1	Ca_kabuli_chr06	20723830	AA	CC	1940358843
SNP_P1_112852_20779304	NC_021165.1	Ca_kabuli_chr06	20779304	AA	GG	1940358845
SNP_P1_112853_20779308	NC_021165.1	Ca_kabuli_chr06	20779308	AA	GG	1940358847
SNP_P1_112855_20826877	NC_021165.1	Ca_kabuli_chr06	20826877	CC	TT	1940358848
SNP_P1_112856_20829457	NC_021165.1	Ca_kabuli_chr06	20829457	CC	AA	1940358850
SNP_P1_112857_20829501	NC_021165.1	Ca_kabuli_chr06	20829501	TT	CC	1940358852
SNP_P1_112858_20830169	NC_021165.1	Ca_kabuli_chr06	20830169	TT	GG	1940358854
SNP_P1_112859_20830176	NC_021165.1	Ca_kabuli_chr06	20830176	AA	GG	1940358855
SNP_P1_112860_20851164	NC_021165.1	Ca_kabuli_chr06	20851164	TT	CC	1940358857
SNP_P1_112861_20851187	NC_021165.1	Ca_kabuli_chr06	20851187	CC	GG	1940358859
SNP_P1_112862_20851201	NC_021165.1	Ca_kabuli_chr06	20851201	CC	TT	1940358860
SNP_P1_112863_20851213	NC_021165.1	Ca_kabuli_chr06	20851213	GG	TT	1940358862
SNP_P1_112864_20851214	NC_021165.1	Ca_kabuli_chr06	20851214	GG	AA	1940358864
SNP_P1_112865_20851346	NC_021165.1	Ca_kabuli_chr06	20851346	GG	AA	1940358866
SNP_P1_112867_20851439	NC_021165.1	Ca_kabuli_chr06	20851439	TT	CC	1940358867
SNP_P1_112868_20851687	NC_021165.1	Ca_kabuli_chr06	20851687	AA	CC	1940358869
SNP_P1_112869_20851822	NC_021165.1	Ca_kabuli_chr06	20851822	CC	TT	1940358871
SNP_P1_112870_20851828	NC_021165.1	Ca_kabuli_chr06	20851828	CC	TT	1940358873
SNP_P1_112871_20851853	NC_021165.1	Ca_kabuli_chr06	20851853	CC	GG	1940358874
SNP_P1_112872_20851861	NC_021165.1	Ca_kabuli_chr06	20851861	AA	TT	1940358876
SNP_P1_112873_20851885	NC_021165.1	Ca_kabuli_chr06	20851885	AA	TT	1940358878
SNP_P1_112874_20852110	NC_021165.1	Ca_kabuli_chr06	20852110	AA	GG	1940358880
SNP_P1_112875_20852133	NC_021165.1	Ca_kabuli_chr06	20852133	CC	AA	1940358881
SNP_P1_112876_20852151	NC_021165.1	Ca_kabuli_chr06	20852151	CC	TT	1940358883
SNP_P1_112877_20852169	NC_021165.1	Ca_kabuli_chr06	20852169	GG	AA	1940358885
SNP_P1_112878_20852184	NC_021165.1	Ca_kabuli_chr06	20852184	GG	AA	1940358887
SNP_P1_112880_20852953	NC_021165.1	Ca_kabuli_chr06	20852953	AA	GG	1940358888
SNP_P1_112881_20852971	NC_021165.1	Ca_kabuli_chr06	20852971	TT	CC	1940358890
SNP_P1_112882_20853052	NC_021165.1	Ca_kabuli_chr06	20853052	GG	AA	1940358892
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SNP_P1_112884_20853216	NC_021165.1	Ca_kabuli_chr06	20853216	TT	CC	1940358895
SNP_P1_112885_20853232	NC_021165.1	Ca_kabuli_chr06	20853232	GG	AA	1940358897
SNP_P1_112886_20853388	NC_021165.1	Ca_kabuli_chr06	20853388	GG	TT	1940358899
SNP_P1_112887_20853447	NC_021165.1	Ca_kabuli_chr06	20853447	CC	TT	1940358900

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112889_20853479	NC_021165.1	Ca_kabuli_chr06	20853479	GG	CC	1940358904
SNP_P1_112890_20853511	NC_021165.1	Ca_kabuli_chr06	20853511	GG	TT	1940358906
SNP_P1_112891_20853524	NC_021165.1	Ca_kabuli_chr06	20853524	TT	AA	1940358907
SNP_P1_112892_20853526	NC_021165.1	Ca_kabuli_chr06	20853526	CC	TT	1940358909
SNP_P1_112893_20853535	NC_021165.1	Ca_kabuli_chr06	20853535	TT	CC	1940358911
SNP_P1_112894_20853573	NC_021165.1	Ca_kabuli_chr06	20853573	TT	CC	1940358913
SNP_P1_112895_20853576	NC_021165.1	Ca_kabuli_chr06	20853576	AA	GG	1940358914
SNP_P1_112896_20853586	NC_021165.1	Ca_kabuli_chr06	20853586	CC	TT	1940358916
SNP_P1_112897_20853610	NC_021165.1	Ca_kabuli_chr06	20853610	AA	CC	1940358918
SNP_P1_112898_20853620	NC_021165.1	Ca_kabuli_chr06	20853620	CC	TT	1940358920
SNP_P1_112899_20853650	NC_021165.1	Ca_kabuli_chr06	20853650	AA	GG	1940358921
SNP_P1_112901_20853760	NC_021165.1	Ca_kabuli_chr06	20853760	TT	GG	1940358923
SNP_P1_112902_20853786	NC_021165.1	Ca_kabuli_chr06	20853786	TT	CC	1940358925
SNP_P1_112903_20853812	NC_021165.1	Ca_kabuli_chr06	20853812	TT	CC	1940358927
SNP_P1_112904_20853821	NC_021165.1	Ca_kabuli_chr06	20853821	GG	AA	1940358928
SNP_P1_112905_20853822	NC_021165.1	Ca_kabuli_chr06	20853822	TT	AA	1940358930
SNP_P1_112906_20853853	NC_021165.1	Ca_kabuli_chr06	20853853	CC	TT	1940358932
SNP_P1_112907_20853861	NC_021165.1	Ca_kabuli_chr06	20853861	TT	GG	1940358934
SNP_P1_112908_20853872	NC_021165.1	Ca_kabuli_chr06	20853872	CC	TT	1940358935
SNP_P1_112909_20853893	NC_021165.1	Ca_kabuli_chr06	20853893	CC	TT	1940358937
SNP_P1_112910_20853949	NC_021165.1	Ca_kabuli_chr06	20853949	CC	TT	1940358939
SNP_P1_112911_20854414	NC_021165.1	Ca_kabuli_chr06	20854414	CC	GG	1940358941
SNP_P1_112912_20854415	NC_021165.1	Ca_kabuli_chr06	20854415	GG	TT	1940358942
SNP_P1_112913_20854443	NC_021165.1	Ca_kabuli_chr06	20854443	AA	GG	1940358944
SNP_P1_112914_20866647	NC_021165.1	Ca_kabuli_chr06	20866647	TT	CC	1940358946
SNP_P1_112915_20866847	NC_021165.1	Ca_kabuli_chr06	20866847	AA	GG	1940358947
SNP_P1_112916_20867012	NC_021165.1	Ca_kabuli_chr06	20867012	AA	TT	1940358949
SNP_P1_112917_20867251	NC_021165.1	Ca_kabuli_chr06	20867251	CC	GG	1940358951
SNP_P1_112918_20867836	NC_021165.1	Ca_kabuli_chr06	20867836	CC	AA	1940358953
SNP_P1_112919_20868594	NC_021165.1	Ca_kabuli_chr06	20868594	CC	GG	1940358954
SNP_P1_112920_20886344	NC_021165.1	Ca_kabuli_chr06	20886344	AA	GG	1940358956
SNP_P1_112921_20901310	NC_021165.1	Ca_kabuli_chr06	20901310	CC	AA	1940358958
SNP_P1_112922_20908601	NC_021165.1	Ca_kabuli_chr06	20908601	AA	GG	1940358960
SNP_P1_112923_20915536	NC_021165.1	Ca_kabuli_chr06	20915536	TT	AA	1940358961
SNP_P1_112925_20928295	NC_021165.1	Ca_kabuli_chr06	20928295	TT	AA	1940358963
SNP_P1_112927_20977788	NC_021165.1	Ca_kabuli_chr06	20977788	GG	AA	1940358965
SNP_P1_112928_20989921	NC_021165.1	Ca_kabuli_chr06	20989921	GG	AA	1940358967
SNP_P1_112929_20989924	NC_021165.1	Ca_kabuli_chr06	20989924	CC	TT	1940358968
SNP_P1_112930_20989971	NC_021165.1	Ca_kabuli_chr06	20989971	AA	GG	1940358970
SNP_P1_112931_20990003	NC_021165.1	Ca_kabuli_chr06	20990003	AA	GG	1940358972
SNP_P1_112932_20990023	NC_021165.1	Ca_kabuli_chr06	20990023	AA	CC	1940358974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_112933_20990033	NC_021165.1	Ca_kabuli_chr06	20990033	TT	CC	1940358975
SNP_P1_112934_21018350	NC_021165.1	Ca_kabuli_chr06	21018350	TT	CC	1940358977
SNP_P1_112935_21020701	NC_021165.1	Ca_kabuli_chr06	21020701	GG	TT	1940358979
SNP_P1_112937_21021624	NC_021165.1	Ca_kabuli_chr06	21021624	GG	AA	1940358981
SNP_P1_112938_21021700	NC_021165.1	Ca_kabuli_chr06	21021700	AA	TT	1940358982
SNP_P1_112939_21021717	NC_021165.1	Ca_kabuli_chr06	21021717	AA	GG	1940358984
SNP_P1_112940_21021722	NC_021165.1	Ca_kabuli_chr06	21021722	TT	CC	1940358986
SNP_P1_112941_21021967	NC_021165.1	Ca_kabuli_chr06	21021967	AA	GG	1940358987
SNP_P1_112942_21022036	NC_021165.1	Ca_kabuli_chr06	21022036	TT	CC	1940358989
SNP_P1_112943_21035709	NC_021165.1	Ca_kabuli_chr06	21035709	CC	TT	1940358991
SNP_P1_112944_21097132	NC_021165.1	Ca_kabuli_chr06	21097132	GG	AA	1940358993
SNP_P1_112945_21100334	NC_021165.1	Ca_kabuli_chr06	21100334	GG	AA	1940358994
SNP_P1_112948_21116648	NC_021165.1	Ca_kabuli_chr06	21116648	GG	TT	1940358996
SNP_P1_112949_21116654	NC_021165.1	Ca_kabuli_chr06	21116654	GG	CC	1940358998
SNP_P1_112950_21122071	NC_021165.1	Ca_kabuli_chr06	21122071	GG	AA	1940359000
SNP_P1_112951_21122104	NC_021165.1	Ca_kabuli_chr06	21122104	GG	AA	1940359001
SNP_P1_112952_21138549	NC_021165.1	Ca_kabuli_chr06	21138549	TT	CC	1940359003
SNP_P1_112953_21139038	NC_021165.1	Ca_kabuli_chr06	21139038	CC	GG	1940359005
SNP_P1_112955_21141053	NC_021165.1	Ca_kabuli_chr06	21141053	CC	AA	1940359007
SNP_P1_112956_21141069	NC_021165.1	Ca_kabuli_chr06	21141069	AA	TT	1940359008
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SNP_P1_112958_21141490	NC_021165.1	Ca_kabuli_chr06	21141490	CC	TT	1940359012
SNP_P1_112959_21141520	NC_021165.1	Ca_kabuli_chr06	21141520	CC	GG	1940359014
SNP_P1_112960_21141532	NC_021165.1	Ca_kabuli_chr06	21141532	CC	TT	1940359015
SNP_P1_112962_21141919	NC_021165.1	Ca_kabuli_chr06	21141919	CC	TT	1940359017
SNP_P1_112963_21146671	NC_021165.1	Ca_kabuli_chr06	21146671	GG	AA	1940359019
SNP_P1_112965_21146755	NC_021165.1	Ca_kabuli_chr06	21146755	AA	GG	1940359020
SNP_P1_112966_21146764	NC_021165.1	Ca_kabuli_chr06	21146764	CC	GG	1940359022
SNP_P1_112967_21147107	NC_021165.1	Ca_kabuli_chr06	21147107	GG	AA	1940359024
SNP_P1_112968_21147137	NC_021165.1	Ca_kabuli_chr06	21147137	TT	GG	1940359026
SNP_P1_112969_21147315	NC_021165.1	Ca_kabuli_chr06	21147315	TT	GG	1940359027
SNP_P1_112970_21147443	NC_021165.1	Ca_kabuli_chr06	21147443	CC	AA	1940359029
SNP_P1_112971_21148395	NC_021165.1	Ca_kabuli_chr06	21148395	AA	GG	1940359031
SNP_P1_112972_21148399	NC_021165.1	Ca_kabuli_chr06	21148399	GG	TT	1940359033
SNP_P1_112973_21154155	NC_021165.1	Ca_kabuli_chr06	21154155	GG	AA	1940359034
SNP_P1_112974_21154161	NC_021165.1	Ca_kabuli_chr06	21154161	CC	TT	1940359036
SNP_P1_112975_21154470	NC_021165.1	Ca_kabuli_chr06	21154470	CC	TT	1940359038
SNP_P1_112977_21154584	NC_021165.1	Ca_kabuli_chr06	21154584	TT	CC	1940359040
SNP_P1_112978_21154790	NC_021165.1	Ca_kabuli_chr06	21154790	CC	TT	1940359041
SNP_P1_112979_21182548	NC_021165.1	Ca_kabuli_chr06	21182548	TT	GG	1940359043
SNP_P1_112980_21182551	NC_021165.1	Ca_kabuli_chr06	21182551	CC	AA	1940359045
SNP_P1_112981_21259556	NC_021165.1	Ca_kabuli_chr06	21259556	GG	AA	1940359047

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_112983_21259595	NC_021165.1	Ca_kabuli_chr06	21259595	TT	CC	1940359050
SNP_P1_112984_21259637	NC_021165.1	Ca_kabuli_chr06	21259637	AA	TT	1940359052
SNP_P1_112985_21259959	NC_021165.1	Ca_kabuli_chr06	21259959	CC	TT	1940359054
SNP_P1_112986_21259962	NC_021165.1	Ca_kabuli_chr06	21259962	TT	AA	1940359055
SNP_P1_112987_21260174	NC_021165.1	Ca_kabuli_chr06	21260174	AA	GG	1940359057
SNP_P1_112988_21260207	NC_021165.1	Ca_kabuli_chr06	21260207	GG	CC	1940359059
SNP_P1_112989_21260555	NC_021165.1	Ca_kabuli_chr06	21260555	AA	TT	1940359061
SNP_P1_112990_21261810	NC_021165.1	Ca_kabuli_chr06	21261810	TT	GG	1940359062
SNP_P1_112991_21290186	NC_021165.1	Ca_kabuli_chr06	21290186	TT	CC	1940359064
SNP_P1_112992_21290549	NC_021165.1	Ca_kabuli_chr06	21290549	CC	GG	1940359066
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SNP_P1_112994_21318623	NC_021165.1	Ca_kabuli_chr06	21318623	CC	TT	1940359069
SNP_P1_112995_21332546	NC_021165.1	Ca_kabuli_chr06	21332546	GG	TT	1940359071
SNP_P1_112997_21342937	NC_021165.1	Ca_kabuli_chr06	21342937	AA	CC	1940359073
SNP_P1_112998_21342939	NC_021165.1	Ca_kabuli_chr06	21342939	TT	GG	1940359075
SNP_P1_113000_21353727	NC_021165.1	Ca_kabuli_chr06	21353727	TT	CC	1940359076
SNP_P1_113001_21353758	NC_021165.1	Ca_kabuli_chr06	21353758	AA	GG	1940359078
SNP_P1_113003_21374534	NC_021165.1	Ca_kabuli_chr06	21374534	TT	AA	1940359080
SNP_P1_113004_21384371	NC_021165.1	Ca_kabuli_chr06	21384371	GG	AA	1940359081
SNP_P1_113006_21392567	NC_021165.1	Ca_kabuli_chr06	21392567	TT	CC	1940359083
SNP_P1_113007_21393177	NC_021165.1	Ca_kabuli_chr06	21393177	GG	AA	1940359085
SNP_P1_113008_21393207	NC_021165.1	Ca_kabuli_chr06	21393207	AA	GG	1940359087
SNP_P1_113009_21396475	NC_021165.1	Ca_kabuli_chr06	21396475	AA	TT	1940359088
SNP_P1_113010_21396476	NC_021165.1	Ca_kabuli_chr06	21396476	AA	TT	1940359090
SNP_P1_113011_21396477	NC_021165.1	Ca_kabuli_chr06	21396477	CC	TT	1940359092
SNP_P1_113012_21397186	NC_021165.1	Ca_kabuli_chr06	21397186	TT	CC	1940359094
SNP_P1_113013_21397201	NC_021165.1	Ca_kabuli_chr06	21397201	CC	TT	1940359095
SNP_P1_113014_21397236	NC_021165.1	Ca_kabuli_chr06	21397236	GG	AA	1940359097
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SNP_P1_113016_21397488	NC_021165.1	Ca_kabuli_chr06	21397488	AA	GG	1940359101
SNP_P1_113017_21397493	NC_021165.1	Ca_kabuli_chr06	21397493	AA	GG	1940359102
SNP_P1_113018_21397524	NC_021165.1	Ca_kabuli_chr06	21397524	TT	AA	1940359104
SNP_P1_113019_21397589	NC_021165.1	Ca_kabuli_chr06	21397589	AA	TT	1940359106
SNP_P1_113021_21399687	NC_021165.1	Ca_kabuli_chr06	21399687	TT	CC	1940359108
SNP_P1_113024_21400889	NC_021165.1	Ca_kabuli_chr06	21400889	CC	TT	1940359109
SNP_P1_113025_21400914	NC_021165.1	Ca_kabuli_chr06	21400914	CC	TT	1940359111
SNP_P1_113027_21401149	NC_021165.1	Ca_kabuli_chr06	21401149	TT	CC	1940359113
SNP_P1_113028_21401225	NC_021165.1	Ca_kabuli_chr06	21401225	GG	AA	1940359115
SNP_P1_113029_21401248	NC_021165.1	Ca_kabuli_chr06	21401248	AA	GG	1940359116
SNP_P1_113031_21401577	NC_021165.1	Ca_kabuli_chr06	21401577	GG	AA	1940359118
SNP_P1_113032_21401773	NC_021165.1	Ca_kabuli_chr06	21401773	TT	AA	1940359120

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113037_21409180	NC_021165.1	Ca_kabuli_chr06	21409180	GG	AA	1940359125
SNP_P1_113039_21481389	NC_021165.1	Ca_kabuli_chr06	21481389	GG	TT	1940359127
SNP_P1_113040_21485207	NC_021165.1	Ca_kabuli_chr06	21485207	CC	TT	1940359128
SNP_P1_113041_21485249	NC_021165.1	Ca_kabuli_chr06	21485249	CC	AA	1940359130
SNP_P1_113042_21485363	NC_021165.1	Ca_kabuli_chr06	21485363	GG	AA	1940359132
SNP_P1_113043_21485391	NC_021165.1	Ca_kabuli_chr06	21485391	AA	TT	1940359134
SNP_P1_113044_21485487	NC_021165.1	Ca_kabuli_chr06	21485487	CC	TT	1940359135
SNP_P1_113045_21485502	NC_021165.1	Ca_kabuli_chr06	21485502	TT	CC	1940359137
SNP_P1_113046_21485530	NC_021165.1	Ca_kabuli_chr06	21485530	AA	TT	1940359139
SNP_P1_113048_21485610	NC_021165.1	Ca_kabuli_chr06	21485610	GG	AA	1940359141
SNP_P1_113049_21485656	NC_021165.1	Ca_kabuli_chr06	21485656	TT	GG	1940359142
SNP_P1_113051_21508572	NC_021165.1	Ca_kabuli_chr06	21508572	TT	AA	1940359144
SNP_P1_113052_21522993	NC_021165.1	Ca_kabuli_chr06	21522993	GG	AA	1940359146
SNP_P1_113053_21523029	NC_021165.1	Ca_kabuli_chr06	21523029	CC	AA	1940359148
SNP_P1_113054_21523043	NC_021165.1	Ca_kabuli_chr06	21523043	TT	GG	1940359149
SNP_P1_113055_21523277	NC_021165.1	Ca_kabuli_chr06	21523277	GG	AA	1940359151
SNP_P1_113056_21523301	NC_021165.1	Ca_kabuli_chr06	21523301	GG	AA	1940359153
SNP_P1_113057_21523310	NC_021165.1	Ca_kabuli_chr06	21523310	GG	AA	1940359154
SNP_P1_113058_21523337	NC_021165.1	Ca_kabuli_chr06	21523337	GG	AA	1940359156
SNP_P1_113059_21523379	NC_021165.1	Ca_kabuli_chr06	21523379	AA	TT	1940359158
SNP_P1_113060_21523409	NC_021165.1	Ca_kabuli_chr06	21523409	TT	CC	1940359160
SNP_P1_113061_21523772	NC_021165.1	Ca_kabuli_chr06	21523772	TT	CC	1940359161
SNP_P1_113062_21523784	NC_021165.1	Ca_kabuli_chr06	21523784	TT	CC	1940359163
SNP_P1_113063_21523982	NC_021165.1	Ca_kabuli_chr06	21523982	GG	TT	1940359165
SNP_P1_113064_21523984	NC_021165.1	Ca_kabuli_chr06	21523984	GG	AA	1940359167
SNP_P1_113065_21524021	NC_021165.1	Ca_kabuli_chr06	21524021	TT	CC	1940359168
SNP_P1_113066_21524024	NC_021165.1	Ca_kabuli_chr06	21524024	AA	CC	1940359170
SNP_P1_113067_21524058	NC_021165.1	Ca_kabuli_chr06	21524058	AA	GG	1940359172
SNP_P1_113068_21524070	NC_021165.1	Ca_kabuli_chr06	21524070	GG	AA	1940359174
SNP_P1_113069_21524108	NC_021165.1	Ca_kabuli_chr06	21524108	TT	AA	1940359175
SNP_P1_113070_21524134	NC_021165.1	Ca_kabuli_chr06	21524134	CC	TT	1940359177
SNP_P1_113071_21524138	NC_021165.1	Ca_kabuli_chr06	21524138	CC	TT	1940359179
SNP_P1_113072_21524184	NC_021165.1	Ca_kabuli_chr06	21524184	AA	GG	1940359181
SNP_P1_113073_21524187	NC_021165.1	Ca_kabuli_chr06	21524187	GG	AA	1940359182
SNP_P1_113074_21524201	NC_021165.1	Ca_kabuli_chr06	21524201	AA	GG	1940359184
SNP_P1_113075_21530719	NC_021165.1	Ca_kabuli_chr06	21530719	AA	GG	1940359186
SNP_P1_113076_21530730	NC_021165.1	Ca_kabuli_chr06	21530730	AA	CC	1940359188
SNP_P1_113077_21530732	NC_021165.1	Ca_kabuli_chr06	21530732	CC	TT	1940359189
SNP_P1_113078_21530754	NC_021165.1	Ca_kabuli_chr06	21530754	TT	CC	1940359191
SNP_P1_113079_21530786	NC_021165.1	Ca_kabuli_chr06	21530786	CC	TT	1940359193

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113083_21606137	NC_021165.1	Ca_kabuli_chr06	21606137	AA	GG	1940359196
SNP_P1_113084_21620815	NC_021165.1	Ca_kabuli_chr06	21620815	GG	TT	1940359198
SNP_P1_113085_21620816	NC_021165.1	Ca_kabuli_chr06	21620816	CC	GG	1940359200
SNP_P1_113086_21633872	NC_021165.1	Ca_kabuli_chr06	21633872	AA	TT	1940359202
SNP_P1_113088_21666957	NC_021165.1	Ca_kabuli_chr06	21666957	GG	TT	1940359203
SNP_P1_113089_21697428	NC_021165.1	Ca_kabuli_chr06	21697428	TT	GG	1940359205
SNP_P1_113090_21697446	NC_021165.1	Ca_kabuli_chr06	21697446	TT	CC	1940359207
SNP_P1_113091_21697450	NC_021165.1	Ca_kabuli_chr06	21697450	AA	TT	1940359208
SNP_P1_113092_21709120	NC_021165.1	Ca_kabuli_chr06	21709120	TT	AA	1940359210
SNP_P1_113093_21709487	NC_021165.1	Ca_kabuli_chr06	21709487	GG	CC	1940359212
SNP_P1_113094_21710067	NC_021165.1	Ca_kabuli_chr06	21710067	TT	CC	1940359214
SNP_P1_113095_21710134	NC_021165.1	Ca_kabuli_chr06	21710134	TT	CC	1940359215
SNP_P1_113097_21719297	NC_021165.1	Ca_kabuli_chr06	21719297	AA	TT	1940359217
SNP_P1_113098_21744829	NC_021165.1	Ca_kabuli_chr06	21744829	AA	CC	1940359219
SNP_P1_113099_21774562	NC_021165.1	Ca_kabuli_chr06	21774562	TT	CC	1940359221
SNP_P1_113100_21789428	NC_021165.1	Ca_kabuli_chr06	21789428	GG	AA	1940359222
SNP_P1_113102_21822416	NC_021165.1	Ca_kabuli_chr06	21822416	AA	GG	1940359224
SNP_P1_113103_21822449	NC_021165.1	Ca_kabuli_chr06	21822449	TT	CC	1940359226
SNP_P1_113104_21822458	NC_021165.1	Ca_kabuli_chr06	21822458	TT	GG	1940359228
SNP_P1_113105_21822597	NC_021165.1	Ca_kabuli_chr06	21822597	AA	GG	1940359229
SNP_P1_113106_21822773	NC_021165.1	Ca_kabuli_chr06	21822773	TT	CC	1940359231
SNP_P1_113107_21822777	NC_021165.1	Ca_kabuli_chr06	21822777	GG	TT	1940359233
SNP_P1_113108_21822824	NC_021165.1	Ca_kabuli_chr06	21822824	GG	TT	1940359235
SNP_P1_113109_21822895	NC_021165.1	Ca_kabuli_chr06	21822895	AA	GG	1940359236
SNP_P1_113110_21822935	NC_021165.1	Ca_kabuli_chr06	21822935	TT	GG	1940359238
SNP_P1_113111_21822970	NC_021165.1	Ca_kabuli_chr06	21822970	TT	GG	1940359240
SNP_P1_113112_21822978	NC_021165.1	Ca_kabuli_chr06	21822978	AA	GG	1940359241
SNP_P1_113113_21822991	NC_021165.1	Ca_kabuli_chr06	21822991	TT	CC	1940359243
SNP_P1_113114_21832987	NC_021165.1	Ca_kabuli_chr06	21832987	AA	TT	1940359245
SNP_P1_113115_21855302	NC_021165.1	Ca_kabuli_chr06	21855302	AA	CC	1940359247
SNP_P1_113116_21914741	NC_021165.1	Ca_kabuli_chr06	21914741	AA	GG	1940359248
SNP_P1_113118_21931165	NC_021165.1	Ca_kabuli_chr06	21931165	AA	CC	1940359250
SNP_P1_113119_21952603	NC_021165.1	Ca_kabuli_chr06	21952603	TT	GG	1940359252
SNP_P1_113120_21952606	NC_021165.1	Ca_kabuli_chr06	21952606	TT	GG	1940359254
SNP_P1_113121_21982061	NC_021165.1	Ca_kabuli_chr06	21982061	TT	GG	1940359255
SNP_P1_113122_21989714	NC_021165.1	Ca_kabuli_chr06	21989714	CC	AA	1940359257
SNP_P1_113123_21990420	NC_021165.1	Ca_kabuli_chr06	21990420	GG	TT	1940359259
SNP_P1_113124_21994167	NC_021165.1	Ca_kabuli_chr06	21994167	AA	GG	1940359261
SNP_P1_113125_21994168	NC_021165.1	Ca_kabuli_chr06	21994168	AA	GG	1940359262
SNP_P1_113128_22065882	NC_021165.1	Ca_kabuli_chr06	22065882	AA	GG	1940359264
SNP_P1_113129_22067988	NC_021165.1	Ca_kabuli_chr06	22067988	CC	AA	1940359266

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113133_22099758	NC_021165.1	Ca_kabuli_chr06	22099758	TT	CC	1940359269
SNP_P1_113134_22111658	NC_021165.1	Ca_kabuli_chr06	22111658	GG	AA	1940359271
SNP_P1_113135_22129033	NC_021165.1	Ca_kabuli_chr06	22129033	AA	GG	1940359273
SNP_P1_113136_22152775	NC_021165.1	Ca_kabuli_chr06	22152775	AA	GG	1940359275
SNP_P1_113137_22155272	NC_021165.1	Ca_kabuli_chr06	22155272	CC	TT	1940359276
SNP_P1_113138_22159378	NC_021165.1	Ca_kabuli_chr06	22159378	CC	TT	1940359278
SNP_P1_113140_22188527	NC_021165.1	Ca_kabuli_chr06	22188527	TT	CC	1940359280
SNP_P1_113142_22197194	NC_021165.1	Ca_kabuli_chr06	22197194	CC	AA	1940359282
SNP_P1_113143_22248763	NC_021165.1	Ca_kabuli_chr06	22248763	TT	CC	1940359283
SNP_P1_113144_22253430	NC_021165.1	Ca_kabuli_chr06	22253430	GG	AA	1940359285
SNP_P1_113145_22272515	NC_021165.1	Ca_kabuli_chr06	22272515	TT	AA	1940359287
SNP_P1_113146_22282773	NC_021165.1	Ca_kabuli_chr06	22282773	AA	TT	1940359288
SNP_P1_113147_22320396	NC_021165.1	Ca_kabuli_chr06	22320396	TT	CC	1940359290
SNP_P1_113148_22320417	NC_021165.1	Ca_kabuli_chr06	22320417	CC	TT	1940359292
SNP_P1_113149_22320565	NC_021165.1	Ca_kabuli_chr06	22320565	AA	TT	1940359294
SNP_P1_113150_22320802	NC_021165.1	Ca_kabuli_chr06	22320802	AA	GG	1940359295
SNP_P1_113151_22320807	NC_021165.1	Ca_kabuli_chr06	22320807	CC	TT	1940359297
SNP_P1_113152_22320823	NC_021165.1	Ca_kabuli_chr06	22320823	AA	GG	1940359299
SNP_P1_113153_22322638	NC_021165.1	Ca_kabuli_chr06	22322638	GG	AA	1940359301
SNP_P1_113154_22322954	NC_021165.1	Ca_kabuli_chr06	22322954	TT	CC	1940359302
SNP_P1_113155_22323040	NC_021165.1	Ca_kabuli_chr06	22323040	TT	AA	1940359304
SNP_P1_113156_22323045	NC_021165.1	Ca_kabuli_chr06	22323045	TT	AA	1940359306
SNP_P1_113157_22351988	NC_021165.1	Ca_kabuli_chr06	22351988	CC	TT	1940359308
SNP_P1_113158_22372330	NC_021165.1	Ca_kabuli_chr06	22372330	AA	GG	1940359309
SNP_P1_113159_22391741	NC_021165.1	Ca_kabuli_chr06	22391741	TT	AA	1940359311
SNP_P1_113160_22412376	NC_021165.1	Ca_kabuli_chr06	22412376	TT	CC	1940359313
SNP_P1_113161_22419025	NC_021165.1	Ca_kabuli_chr06	22419025	AA	TT	1940359315
SNP_P1_113162_22419041	NC_021165.1	Ca_kabuli_chr06	22419041	GG	AA	1940359316
SNP_P1_113163_22419073	NC_021165.1	Ca_kabuli_chr06	22419073	AA	GG	1940359318
SNP_P1_113164_22419413	NC_021165.1	Ca_kabuli_chr06	22419413	CC	TT	1940359320
SNP_P1_113165_22419453	NC_021165.1	Ca_kabuli_chr06	22419453	AA	GG	1940359322
SNP_P1_113166_22419457	NC_021165.1	Ca_kabuli_chr06	22419457	AA	GG	1940359323
SNP_P1_113167_22419463	NC_021165.1	Ca_kabuli_chr06	22419463	TT	AA	1940359325
SNP_P1_113168_22419483	NC_021165.1	Ca_kabuli_chr06	22419483	AA	GG	1940359327
SNP_P1_113169_22419493	NC_021165.1	Ca_kabuli_chr06	22419493	GG	AA	1940359329
SNP_P1_113170_22440702	NC_021165.1	Ca_kabuli_chr06	22440702	GG	AA	1940359330
SNP_P1_113171_22464326	NC_021165.1	Ca_kabuli_chr06	22464326	CC	TT	1940359332
SNP_P1_113172_22464621	NC_021165.1	Ca_kabuli_chr06	22464621	CC	TT	1940359334
SNP_P1_113173_22464661	NC_021165.1	Ca_kabuli_chr06	22464661	CC	TT	1940359335
SNP_P1_113174_22465088	NC_021165.1	Ca_kabuli_chr06	22465088	GG	AA	1940359337
SNP_P1_113175_22465237	NC_021165.1	Ca_kabuli_chr06	22465237	GG	AA	1940359339

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113177_22856779	NC_021165.1	Ca_kabuli_chr06	22856779	GG	TT	1940359342
SNP_P1_113178_22859127	NC_021165.1	Ca_kabuli_chr06	22859127	CC	TT	1940359344
SNP_P1_113179_22859442	NC_021165.1	Ca_kabuli_chr06	22859442	CC	TT	1940359346
SNP_P1_113180_22860685	NC_021165.1	Ca_kabuli_chr06	22860685	CC	TT	1940359348
SNP_P1_113181_22866700	NC_021165.1	Ca_kabuli_chr06	22866700	GG	TT	1940359349
SNP_P1_113182_22866704	NC_021165.1	Ca_kabuli_chr06	22866704	CC	TT	1940359351
SNP_P1_113183_22898400	NC_021165.1	Ca_kabuli_chr06	22898400	GG	TT	1940359353
SNP_P1_113184_22906289	NC_021165.1	Ca_kabuli_chr06	22906289	AA	GG	1940359355
SNP_P1_113185_22914192	NC_021165.1	Ca_kabuli_chr06	22914192	CC	TT	1940359356
SNP_P1_113187_22916285	NC_021165.1	Ca_kabuli_chr06	22916285	AA	TT	1940359358
SNP_P1_113188_22916287	NC_021165.1	Ca_kabuli_chr06	22916287	AA	TT	1940359360
SNP_P1_113189_22918260	NC_021165.1	Ca_kabuli_chr06	22918260	CC	TT	1940359362
SNP_P1_113190_22947521	NC_021165.1	Ca_kabuli_chr06	22947521	GG	AA	1940359363
SNP_P1_113191_22956965	NC_021165.1	Ca_kabuli_chr06	22956965	AA	GG	1940359365
SNP_P1_113192_22956966	NC_021165.1	Ca_kabuli_chr06	22956966	GG	AA	1940359367
SNP_P1_113193_22958260	NC_021165.1	Ca_kabuli_chr06	22958260	CC	TT	1940359369
SNP_P1_113194_22962674	NC_021165.1	Ca_kabuli_chr06	22962674	AA	CC	1940359370
SNP_P1_113195_22987836	NC_021165.1	Ca_kabuli_chr06	22987836	AA	TT	1940359372
SNP_P1_113196_22992075	NC_021165.1	Ca_kabuli_chr06	22992075	CC	TT	1940359374
SNP_P1_113197_22995473	NC_021165.1	Ca_kabuli_chr06	22995473	GG	AA	1940359376
SNP_P1_113198_22995501	NC_021165.1	Ca_kabuli_chr06	22995501	AA	CC	1940359377
SNP_P1_113199_22995532	NC_021165.1	Ca_kabuli_chr06	22995532	CC	AA	1940359379
SNP_P1_113202_23037883	NC_021165.1	Ca_kabuli_chr06	23037883	AA	GG	1940359381
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SNP_P1_113204_23039015	NC_021165.1	Ca_kabuli_chr06	23039015	TT	GG	1940359384
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SNP_P1_113206_23039570	NC_021165.1	Ca_kabuli_chr06	23039570	TT	CC	1940359388
SNP_P1_113207_23039901	NC_021165.1	Ca_kabuli_chr06	23039901	TT	AA	1940359390
SNP_P1_113208_23039925	NC_021165.1	Ca_kabuli_chr06	23039925	AA	TT	1940359391
SNP_P1_113209_23039956	NC_021165.1	Ca_kabuli_chr06	23039956	GG	CC	1940359393
SNP_P1_113210_23040044	NC_021165.1	Ca_kabuli_chr06	23040044	TT	AA	1940359395
SNP_P1_113211_23040091	NC_021165.1	Ca_kabuli_chr06	23040091	TT	CC	1940359397
SNP_P1_113212_23040147	NC_021165.1	Ca_kabuli_chr06	23040147	TT	AA	1940359398
SNP_P1_113213_23040522	NC_021165.1	Ca_kabuli_chr06	23040522	TT	CC	1940359400
SNP_P1_113214_23040528	NC_021165.1	Ca_kabuli_chr06	23040528	AA	TT	1940359402
SNP_P1_113215_23040553	NC_021165.1	Ca_kabuli_chr06	23040553	TT	CC	1940359404
SNP_P1_113216_23042723	NC_021165.1	Ca_kabuli_chr06	23042723	TT	CC	1940359405
SNP_P1_113217_23042738	NC_021165.1	Ca_kabuli_chr06	23042738	GG	AA	1940359407
SNP_P1_113220_23042883	NC_021165.1	Ca_kabuli_chr06	23042883	TT	AA	1940359409
SNP_P1_113221_23042940	NC_021165.1	Ca_kabuli_chr06	23042940	CC	TT	1940359411
SNP_P1_113222_23042946	NC_021165.1	Ca_kabuli_chr06	23042946	GG	TT	1940359412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113226_23043419	NC_021165.1	Ca_kabuli_chr06	23043419	CC	TT	1940359418
SNP_P1_113228_23064173	NC_021165.1	Ca_kabuli_chr06	23064173	TT	AA	1940359419
SNP_P1_113229_23064231	NC_021165.1	Ca_kabuli_chr06	23064231	TT	CC	1940359421
SNP_P1_113231_23064442	NC_021165.1	Ca_kabuli_chr06	23064442	AA	GG	1940359423
SNP_P1_113232_23064545	NC_021165.1	Ca_kabuli_chr06	23064545	GG	AA	1940359425
SNP_P1_113233_23064629	NC_021165.1	Ca_kabuli_chr06	23064629	AA	GG	1940359426
SNP_P1_113234_23064737	NC_021165.1	Ca_kabuli_chr06	23064737	CC	TT	1940359428
SNP_P1_113236_23064793	NC_021165.1	Ca_kabuli_chr06	23064793	GG	AA	1940359430
SNP_P1_113237_23064885	NC_021165.1	Ca_kabuli_chr06	23064885	CC	TT	1940359431
SNP_P1_113238_23064975	NC_021165.1	Ca_kabuli_chr06	23064975	GG	AA	1940359433
SNP_P1_113239_23065059	NC_021165.1	Ca_kabuli_chr06	23065059	AA	TT	1940359435
SNP_P1_113240_23065124	NC_021165.1	Ca_kabuli_chr06	23065124	GG	CC	1940359437
SNP_P1_113241_23065568	NC_021165.1	Ca_kabuli_chr06	23065568	GG	TT	1940359438
SNP_P1_113242_23065600	NC_021165.1	Ca_kabuli_chr06	23065600	CC	TT	1940359440
SNP_P1_113243_23065707	NC_021165.1	Ca_kabuli_chr06	23065707	AA	GG	1940359442
SNP_P1_113244_23071023	NC_021165.1	Ca_kabuli_chr06	23071023	TT	AA	1940359444
SNP_P1_113245_23071095	NC_021165.1	Ca_kabuli_chr06	23071095	AA	GG	1940359445
SNP_P1_113246_23071162	NC_021165.1	Ca_kabuli_chr06	23071162	AA	GG	1940359447
SNP_P1_113247_23071228	NC_021165.1	Ca_kabuli_chr06	23071228	GG	AA	1940359449
SNP_P1_113248_23071245	NC_021165.1	Ca_kabuli_chr06	23071245	TT	AA	1940359451
SNP_P1_113249_23071397	NC_021165.1	Ca_kabuli_chr06	23071397	CC	TT	1940359452
SNP_P1_113250_23071621	NC_021165.1	Ca_kabuli_chr06	23071621	TT	AA	1940359454
SNP_P1_113251_23071801	NC_021165.1	Ca_kabuli_chr06	23071801	AA	TT	1940359456
SNP_P1_113252_23071808	NC_021165.1	Ca_kabuli_chr06	23071808	GG	TT	1940359458
SNP_P1_113253_23071819	NC_021165.1	Ca_kabuli_chr06	23071819	CC	AA	1940359459
SNP_P1_113254_23071863	NC_021165.1	Ca_kabuli_chr06	23071863	AA	GG	1940359461
SNP_P1_113255_23072245	NC_021165.1	Ca_kabuli_chr06	23072245	CC	TT	1940359463
SNP_P1_113256_23076859	NC_021165.1	Ca_kabuli_chr06	23076859	CC	TT	1940359465
SNP_P1_113257_23076895	NC_021165.1	Ca_kabuli_chr06	23076895	GG	AA	1940359466
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SNP_P1_113259_23077170	NC_021165.1	Ca_kabuli_chr06	23077170	GG	AA	1940359470
SNP_P1_113260_23077273	NC_021165.1	Ca_kabuli_chr06	23077273	AA	GG	1940359472
SNP_P1_113261_23077642	NC_021165.1	Ca_kabuli_chr06	23077642	AA	GG	1940359473
SNP_P1_113262_23077684	NC_021165.1	Ca_kabuli_chr06	23077684	AA	GG	1940359475
SNP_P1_113263_23077692	NC_021165.1	Ca_kabuli_chr06	23077692	GG	TT	1940359477
SNP_P1_113264_23077713	NC_021165.1	Ca_kabuli_chr06	23077713	TT	CC	1940359478
SNP_P1_113265_23077849	NC_021165.1	Ca_kabuli_chr06	23077849	AA	GG	1940359480
SNP_P1_113266_23077867	NC_021165.1	Ca_kabuli_chr06	23077867	CC	TT	1940359482
SNP_P1_113267_23078087	NC_021165.1	Ca_kabuli_chr06	23078087	TT	GG	1940359484
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113270_23078705	NC_021165.1	Ca_kabuli_chr06	23078705	GG	TT	1940359489
SNP_P1_113272_23078794	NC_021165.1	Ca_kabuli_chr06	23078794	CC	TT	1940359491
SNP_P1_113273_23078804	NC_021165.1	Ca_kabuli_chr06	23078804	GG	AA	1940359492
SNP_P1_113274_23078847	NC_021165.1	Ca_kabuli_chr06	23078847	TT	CC	1940359494
SNP_P1_113275_23078963	NC_021165.1	Ca_kabuli_chr06	23078963	CC	TT	1940359496
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SNP_P1_113277_23085734	NC_021165.1	Ca_kabuli_chr06	23085734	AA	TT	1940359499
SNP_P1_113278_23085741	NC_021165.1	Ca_kabuli_chr06	23085741	CC	GG	1940359501
SNP_P1_113279_23089291	NC_021165.1	Ca_kabuli_chr06	23089291	TT	CC	1940359503
SNP_P1_113280_23090205	NC_021165.1	Ca_kabuli_chr06	23090205	AA	GG	1940359505
SNP_P1_113281_23094452	NC_021165.1	Ca_kabuli_chr06	23094452	AA	GG	1940359506
SNP_P1_113282_23094844	NC_021165.1	Ca_kabuli_chr06	23094844	GG	AA	1940359508
SNP_P1_113283_23098598	NC_021165.1	Ca_kabuli_chr06	23098598	AA	TT	1940359510
SNP_P1_113284_23105539	NC_021165.1	Ca_kabuli_chr06	23105539	AA	CC	1940359512
SNP_P1_113285_23105540	NC_021165.1	Ca_kabuli_chr06	23105540	GG	AA	1940359513
SNP_P1_113287_23107526	NC_021165.1	Ca_kabuli_chr06	23107526	AA	TT	1940359515
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SNP_P1_113291_23164109	NC_021165.1	Ca_kabuli_chr06	23164109	TT	GG	1940359520
SNP_P1_113295_23232239	NC_021165.1	Ca_kabuli_chr06	23232239	GG	AA	1940359522
SNP_P1_113297_23245646	NC_021165.1	Ca_kabuli_chr06	23245646	GG	AA	1940359524
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SNP_P1_113304_23333262	NC_021165.1	Ca_kabuli_chr06	23333262	GG	AA	1940359527
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SNP_P1_113309_23442555	NC_021165.1	Ca_kabuli_chr06	23442555	TT	AA	1940359536
SNP_P1_113310_23453761	NC_021165.1	Ca_kabuli_chr06	23453761	TT	AA	1940359538
SNP_P1_113311_23453768	NC_021165.1	Ca_kabuli_chr06	23453768	TT	CC	1940359539
SNP_P1_113312_23453774	NC_021165.1	Ca_kabuli_chr06	23453774	CC	AA	1940359541
SNP_P1_113313_23465145	NC_021165.1	Ca_kabuli_chr06	23465145	AA	GG	1940359543
SNP_P1_113314_23530559	NC_021165.1	Ca_kabuli_chr06	23530559	CC	TT	1940359545
SNP_P1_113315_23551999	NC_021165.1	Ca_kabuli_chr06	23551999	TT	CC	1940359546
SNP_P1_113317_23582591	NC_021165.1	Ca_kabuli_chr06	23582591	CC	TT	1940359548
SNP_P1_113319_23607750	NC_021165.1	Ca_kabuli_chr06	23607750	CC	TT	1940359550
SNP_P1_113320_23607752	NC_021165.1	Ca_kabuli_chr06	23607752	TT	AA	1940359552
SNP_P1_113321_23607753	NC_021165.1	Ca_kabuli_chr06	23607753	AA	CC	1940359553
SNP_P1_113323_23643153	NC_021165.1	Ca_kabuli_chr06	23643153	TT	AA	1940359555
SNP_P1_113324_23643169	NC_021165.1	Ca_kabuli_chr06	23643169	TT	GG	1940359557
SNP_P1_113325_23643176	NC_021165.1	Ca_kabuli_chr06	23643176	TT	CC	1940359559

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113328_23686972	NC_021165.1	Ca_kabuli_chr06	23686972	AA	CC	1940359564
SNP_P1_113329_23689664	NC_021165.1	Ca_kabuli_chr06	23689664	TT	AA	1940359566
SNP_P1_113330_23705182	NC_021165.1	Ca_kabuli_chr06	23705182	AA	GG	1940359567
SNP_P1_113331_23705225	NC_021165.1	Ca_kabuli_chr06	23705225	GG	AA	1940359569
SNP_P1_113332_23719866	NC_021165.1	Ca_kabuli_chr06	23719866	AA	GG	1940359571
SNP_P1_113335_23755251	NC_021165.1	Ca_kabuli_chr06	23755251	AA	GG	1940359573
SNP_P1_113336_23755266	NC_021165.1	Ca_kabuli_chr06	23755266	CC	TT	1940359574
SNP_P1_113338_23755347	NC_021165.1	Ca_kabuli_chr06	23755347	AA	GG	1940359576
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SNP_P1_113340_23755379	NC_021165.1	Ca_kabuli_chr06	23755379	TT	CC	1940359580
SNP_P1_113341_23755414	NC_021165.1	Ca_kabuli_chr06	23755414	TT	CC	1940359581
SNP_P1_113342_23755600	NC_021165.1	Ca_kabuli_chr06	23755600	TT	CC	1940359583
SNP_P1_113344_23815029	NC_021165.1	Ca_kabuli_chr06	23815029	GG	AA	1940359585
SNP_P1_113345_23826166	NC_021165.1	Ca_kabuli_chr06	23826166	AA	GG	1940359587
SNP_P1_113346_23830629	NC_021165.1	Ca_kabuli_chr06	23830629	CC	TT	1940359588
SNP_P1_113347_23830900	NC_021165.1	Ca_kabuli_chr06	23830900	GG	AA	1940359590
SNP_P1_113348_23838530	NC_021165.1	Ca_kabuli_chr06	23838530	TT	AA	1940359592
SNP_P1_113349_23840394	NC_021165.1	Ca_kabuli_chr06	23840394	AA	TT	1940359593
SNP_P1_113350_23847807	NC_021165.1	Ca_kabuli_chr06	23847807	CC	TT	1940359595
SNP_P1_113352_23873973	NC_021165.1	Ca_kabuli_chr06	23873973	GG	AA	1940359597
SNP_P1_113353_23882556	NC_021165.1	Ca_kabuli_chr06	23882556	TT	AA	1940359599
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SNP_P1_113356_23924597	NC_021165.1	Ca_kabuli_chr06	23924597	TT	CC	1940359602
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SNP_P1_113359_23940710	NC_021165.1	Ca_kabuli_chr06	23940710	AA	GG	1940359606
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SNP_P1_113361_23988933	NC_021165.1	Ca_kabuli_chr06	23988933	TT	AA	1940359609
SNP_P1_113362_23988937	NC_021165.1	Ca_kabuli_chr06	23988937	TT	AA	1940359611
SNP_P1_113363_24026702	NC_021165.1	Ca_kabuli_chr06	24026702	TT	CC	1940359613
SNP_P1_113364_24027303	NC_021165.1	Ca_kabuli_chr06	24027303	GG	AA	1940359614
SNP_P1_113366_24117952	NC_021165.1	Ca_kabuli_chr06	24117952	CC	GG	1940359616
SNP_P1_113367_24125893	NC_021165.1	Ca_kabuli_chr06	24125893	GG	AA	1940359618
SNP_P1_113368_24126183	NC_021165.1	Ca_kabuli_chr06	24126183	AA	GG	1940359620
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SNP_P1_113371_24126356	NC_021165.1	Ca_kabuli_chr06	24126356	GG	TT	1940359625
SNP_P1_113372_24126395	NC_021165.1	Ca_kabuli_chr06	24126395	GG	AA	1940359627
SNP_P1_113373_24126570	NC_021165.1	Ca_kabuli_chr06	24126570	CC	TT	1940359628
SNP_P1_113374_24126938	NC_021165.1	Ca_kabuli_chr06	24126938	TT	AA	1940359630
SNP_P1_113375_24126951	NC_021165.1	Ca_kabuli_chr06	24126951	CC	AA	1940359632

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113377_24127055	NC_021165.1	Ca_kabuli_chr06	24127055	AA	GG	1940359635
SNP_P1_113378_24127058	NC_021165.1	Ca_kabuli_chr06	24127058	AA	GG	1940359637
SNP_P1_113379_24127288	NC_021165.1	Ca_kabuli_chr06	24127288	TT	CC	1940359639
SNP_P1_113380_24127335	NC_021165.1	Ca_kabuli_chr06	24127335	AA	TT	1940359641
SNP_P1_113381_24127824	NC_021165.1	Ca_kabuli_chr06	24127824	TT	CC	1940359642
SNP_P1_113382_24136042	NC_021165.1	Ca_kabuli_chr06	24136042	CC	AA	1940359644
SNP_P1_113383_24136237	NC_021165.1	Ca_kabuli_chr06	24136237	TT	AA	1940359646
SNP_P1_113384_24136245	NC_021165.1	Ca_kabuli_chr06	24136245	TT	CC	1940359648
SNP_P1_113385_24136316	NC_021165.1	Ca_kabuli_chr06	24136316	AA	TT	1940359649
SNP_P1_113386_24136319	NC_021165.1	Ca_kabuli_chr06	24136319	AA	GG	1940359651
SNP_P1_113387_24145276	NC_021165.1	Ca_kabuli_chr06	24145276	AA	TT	1940359653
SNP_P1_113388_24149380	NC_021165.1	Ca_kabuli_chr06	24149380	GG	AA	1940359655
SNP_P1_113389_24162591	NC_021165.1	Ca_kabuli_chr06	24162591	TT	GG	1940359656
SNP_P1_113391_24181645	NC_021165.1	Ca_kabuli_chr06	24181645	GG	AA	1940359658
SNP_P1_113392_24203784	NC_021165.1	Ca_kabuli_chr06	24203784	GG	AA	1940359660
SNP_P1_113393_24208806	NC_021165.1	Ca_kabuli_chr06	24208806	GG	CC	1940359661
SNP_P1_113394_24222036	NC_021165.1	Ca_kabuli_chr06	24222036	TT	GG	1940359663
SNP_P1_113395_24232672	NC_021165.1	Ca_kabuli_chr06	24232672	AA	TT	1940359665
SNP_P1_113396_24232675	NC_021165.1	Ca_kabuli_chr06	24232675	CC	TT	1940359667
SNP_P1_113398_24240719	NC_021165.1	Ca_kabuli_chr06	24240719	TT	CC	1940359668
SNP_P1_113399_24240740	NC_021165.1	Ca_kabuli_chr06	24240740	TT	CC	1940359670
SNP_P1_113400_24240762	NC_021165.1	Ca_kabuli_chr06	24240762	CC	TT	1940359672
SNP_P1_113401_24240764	NC_021165.1	Ca_kabuli_chr06	24240764	AA	GG	1940359674
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SNP_P1_113406_24240863	NC_021165.1	Ca_kabuli_chr06	24240863	AA	GG	1940359682
SNP_P1_113407_24241040	NC_021165.1	Ca_kabuli_chr06	24241040	CC	AA	1940359684
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SNP_P1_113409_24241128	NC_021165.1	Ca_kabuli_chr06	24241128	GG	AA	1940359688
SNP_P1_113410_24241136	NC_021165.1	Ca_kabuli_chr06	24241136	GG	AA	1940359689
SNP_P1_113411_24241166	NC_021165.1	Ca_kabuli_chr06	24241166	AA	TT	1940359691
SNP_P1_113412_24241202	NC_021165.1	Ca_kabuli_chr06	24241202	GG	AA	1940359693
SNP_P1_113413_24241211	NC_021165.1	Ca_kabuli_chr06	24241211	AA	TT	1940359695
SNP_P1_113414_24241463	NC_021165.1	Ca_kabuli_chr06	24241463	CC	AA	1940359696
SNP_P1_113415_24241464	NC_021165.1	Ca_kabuli_chr06	24241464	GG	AA	1940359698
SNP_P1_113416_24241493	NC_021165.1	Ca_kabuli_chr06	24241493	AA	GG	1940359700
SNP_P1_113417_24241503	NC_021165.1	Ca_kabuli_chr06	24241503	AA	GG	1940359702
SNP_P1_113418_24241780	NC_021165.1	Ca_kabuli_chr06	24241780	GG	AA	1940359703
SNP_P1_113419_24241794	NC_021165.1	Ca_kabuli_chr06	24241794	TT	CC	1940359705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113421_24242035	NC_021165.1	Ca_kabuli_chr06	24242035	TT	AA	1940359708
SNP_P1_113422_24242053	NC_021165.1	Ca_kabuli_chr06	24242053	AA	TT	1940359710
SNP_P1_113423_24242163	NC_021165.1	Ca_kabuli_chr06	24242163	GG	TT	1940359712
SNP_P1_113424_24253719	NC_021165.1	Ca_kabuli_chr06	24253719	CC	TT	1940359714
SNP_P1_113426_24322651	NC_021165.1	Ca_kabuli_chr06	24322651	AA	GG	1940359715
SNP_P1_113427_24333298	NC_021165.1	Ca_kabuli_chr06	24333298	GG	AA	1940359717
SNP_P1_113428_24361082	NC_021165.1	Ca_kabuli_chr06	24361082	AA	TT	1940359719
SNP_P1_113429_24363322	NC_021165.1	Ca_kabuli_chr06	24363322	CC	TT	1940359721
SNP_P1_113430_24394339	NC_021165.1	Ca_kabuli_chr06	24394339	GG	TT	1940359722
SNP_P1_113431_24397174	NC_021165.1	Ca_kabuli_chr06	24397174	CC	TT	1940359724
SNP_P1_113432_24400395	NC_021165.1	Ca_kabuli_chr06	24400395	AA	GG	1940359726
SNP_P1_113433_24400398	NC_021165.1	Ca_kabuli_chr06	24400398	GG	AA	1940359728
SNP_P1_113434_24401315	NC_021165.1	Ca_kabuli_chr06	24401315	TT	AA	1940359729
SNP_P1_113435_24428377	NC_021165.1	Ca_kabuli_chr06	24428377	GG	CC	1940359731
SNP_P1_113436_24439232	NC_021165.1	Ca_kabuli_chr06	24439232	AA	GG	1940359733
SNP_P1_113438_24475950	NC_021165.1	Ca_kabuli_chr06	24475950	CC	GG	1940359735
SNP_P1_113439_24542042	NC_021165.1	Ca_kabuli_chr06	24542042	GG	AA	1940359736
SNP_P1_113440_24542071	NC_021165.1	Ca_kabuli_chr06	24542071	AA	GG	1940359738
SNP_P1_113441_24542072	NC_021165.1	Ca_kabuli_chr06	24542072	GG	AA	1940359740
SNP_P1_113442_24542075	NC_021165.1	Ca_kabuli_chr06	24542075	GG	AA	1940359742
SNP_P1_113443_24548161	NC_021165.1	Ca_kabuli_chr06	24548161	CC	AA	1940359743
SNP_P1_113444_24548191	NC_021165.1	Ca_kabuli_chr06	24548191	CC	TT	1940359745
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SNP_P1_113446_24601996	NC_021165.1	Ca_kabuli_chr06	24601996	CC	TT	1940359748
SNP_P1_113447_24608085	NC_021165.1	Ca_kabuli_chr06	24608085	TT	GG	1940359750
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SNP_P1_113453_24681811	NC_021165.1	Ca_kabuli_chr06	24681811	GG	AA	1940359754
SNP_P1_113454_24682499	NC_021165.1	Ca_kabuli_chr06	24682499	GG	AA	1940359755
SNP_P1_113455_24714873	NC_021165.1	Ca_kabuli_chr06	24714873	AA	TT	1940359757
SNP_P1_113456_24715247	NC_021165.1	Ca_kabuli_chr06	24715247	GG	AA	1940359759
SNP_P1_113458_24738323	NC_021165.1	Ca_kabuli_chr06	24738323	GG	AA	1940359761
SNP_P1_113460_24738345	NC_021165.1	Ca_kabuli_chr06	24738345	CC	TT	1940359762
SNP_P1_113461_24738370	NC_021165.1	Ca_kabuli_chr06	24738370	AA	GG	1940359764
SNP_P1_113462_24738381	NC_021165.1	Ca_kabuli_chr06	24738381	TT	GG	1940359766
SNP_P1_113463_24744265	NC_021165.1	Ca_kabuli_chr06	24744265	TT	CC	1940359768
SNP_P1_113464_24744619	NC_021165.1	Ca_kabuli_chr06	24744619	TT	GG	1940359769
SNP_P1_113465_24757070	NC_021165.1	Ca_kabuli_chr06	24757070	AA	CC	1940359771
SNP_P1_113466_24761663	NC_021165.1	Ca_kabuli_chr06	24761663	AA	CC	1940359773
SNP_P1_113467_24762594	NC_021165.1	Ca_kabuli_chr06	24762594	CC	TT	1940359775
SNP_P1_113468_24770482	NC_021165.1	Ca_kabuli_chr06	24770482	AA	GG	1940359776
SNP_P1_113469_24770484	NC_021165.1	Ca_kabuli_chr06	24770484	GG	AA	1940359778

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113471_24770543	NC_021165.1	Ca_kabuli_chr06	24770543	TT	CC	1940359782
SNP_P1_113472_24770587	NC_021165.1	Ca_kabuli_chr06	24770587	TT	CC	1940359783
SNP_P1_113473_24770598	NC_021165.1	Ca_kabuli_chr06	24770598	GG	AA	1940359785
SNP_P1_113474_24770755	NC_021165.1	Ca_kabuli_chr06	24770755	TT	CC	1940359787
SNP_P1_113475_24770883	NC_021165.1	Ca_kabuli_chr06	24770883	AA	GG	1940359789
SNP_P1_113476_24770911	NC_021165.1	Ca_kabuli_chr06	24770911	TT	AA	1940359790
SNP_P1_113477_24783300	NC_021165.1	Ca_kabuli_chr06	24783300	TT	CC	1940359792
SNP_P1_113478_24807721	NC_021165.1	Ca_kabuli_chr06	24807721	TT	AA	1940359794
SNP_P1_113479_24811001	NC_021165.1	Ca_kabuli_chr06	24811001	TT	AA	1940359795
SNP_P1_113480_24856065	NC_021165.1	Ca_kabuli_chr06	24856065	GG	TT	1940359797
SNP_P1_113481_24856083	NC_021165.1	Ca_kabuli_chr06	24856083	AA	TT	1940359799
SNP_P1_113482_24856206	NC_021165.1	Ca_kabuli_chr06	24856206	GG	AA	1940359801
SNP_P1_113483_24857343	NC_021165.1	Ca_kabuli_chr06	24857343	CC	AA	1940359802
SNP_P1_113484_24857925	NC_021165.1	Ca_kabuli_chr06	24857925	TT	GG	1940359804
SNP_P1_113485_24857980	NC_021165.1	Ca_kabuli_chr06	24857980	GG	AA	1940359806
SNP_P1_113486_24869444	NC_021165.1	Ca_kabuli_chr06	24869444	GG	TT	1940359808
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SNP_P1_113490_24876363	NC_021165.1	Ca_kabuli_chr06	24876363	TT	CC	1940359813
SNP_P1_113491_24876420	NC_021165.1	Ca_kabuli_chr06	24876420	CC	GG	1940359815
SNP_P1_113492_24885033	NC_021165.1	Ca_kabuli_chr06	24885033	TT	CC	1940359816
SNP_P1_113493_24903405	NC_021165.1	Ca_kabuli_chr06	24903405	TT	AA	1940359818
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SNP_P1_113500_24905521	NC_021165.1	Ca_kabuli_chr06	24905521	TT	CC	1940359830
SNP_P1_113501_24905543	NC_021165.1	Ca_kabuli_chr06	24905543	GG	AA	1940359832
SNP_P1_113502_24905557	NC_021165.1	Ca_kabuli_chr06	24905557	AA	CC	1940359834
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SNP_P1_113504_24905719	NC_021165.1	Ca_kabuli_chr06	24905719	TT	CC	1940359837
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SNP_P1_113506_24918980	NC_021165.1	Ca_kabuli_chr06	24918980	AA	GG	1940359841
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SNP_P1_113508_24941531	NC_021165.1	Ca_kabuli_chr06	24941531	CC	TT	1940359844
SNP_P1_113509_24944332	NC_021165.1	Ca_kabuli_chr06	24944332	TT	CC	1940359846
SNP_P1_113510_24948287	NC_021165.1	Ca_kabuli_chr06	24948287	GG	AA	1940359848
SNP_P1_113511_24948288	NC_021165.1	Ca_kabuli_chr06	24948288	TT	AA	1940359849
SNP_P1_113512_24958945	NC_021165.1	Ca_kabuli_chr06	24958945	CC	TT	1940359851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113515_24981240	NC_021165.1	Ca_kabuli_chr06	24981240	TT	CC	1940359856
SNP_P1_113516_24981309	NC_021165.1	Ca_kabuli_chr06	24981309	GG	TT	1940359858
SNP_P1_113517_24989029	NC_021165.1	Ca_kabuli_chr06	24989029	TT	AA	1940359860
SNP_P1_113518_24989040	NC_021165.1	Ca_kabuli_chr06	24989040	AA	GG	1940359862
SNP_P1_113519_24989058	NC_021165.1	Ca_kabuli_chr06	24989058	GG	AA	1940359863
SNP_P1_113520_24989106	NC_021165.1	Ca_kabuli_chr06	24989106	TT	CC	1940359865
SNP_P1_113521_24997390	NC_021165.1	Ca_kabuli_chr06	24997390	GG	AA	1940359867
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SNP_P1_113524_25014259	NC_021165.1	Ca_kabuli_chr06	25014259	GG	AA	1940359870
SNP_P1_113525_25040563	NC_021165.1	Ca_kabuli_chr06	25040563	AA	GG	1940359872
SNP_P1_113526_25066984	NC_021165.1	Ca_kabuli_chr06	25066984	TT	CC	1940359874
SNP_P1_113527_25067395	NC_021165.1	Ca_kabuli_chr06	25067395	CC	TT	1940359876
SNP_P1_113528_25067410	NC_021165.1	Ca_kabuli_chr06	25067410	CC	AA	1940359877
SNP_P1_113529_25069187	NC_021165.1	Ca_kabuli_chr06	25069187	TT	CC	1940359879
SNP_P1_113530_25069471	NC_021165.1	Ca_kabuli_chr06	25069471	TT	AA	1940359881
SNP_P1_113531_25069583	NC_021165.1	Ca_kabuli_chr06	25069583	AA	CC	1940359883
SNP_P1_113534_25131144	NC_021165.1	Ca_kabuli_chr06	25131144	CC	AA	1940359884
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SNP_P1_113536_25131451	NC_021165.1	Ca_kabuli_chr06	25131451	GG	AA	1940359888
SNP_P1_113537_25131457	NC_021165.1	Ca_kabuli_chr06	25131457	CC	TT	1940359890
SNP_P1_113538_25162569	NC_021165.1	Ca_kabuli_chr06	25162569	CC	TT	1940359891
SNP_P1_113539_25162778	NC_021165.1	Ca_kabuli_chr06	25162778	CC	TT	1940359893
SNP_P1_113540_25162792	NC_021165.1	Ca_kabuli_chr06	25162792	TT	CC	1940359895
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SNP_P1_113543_25222214	NC_021165.1	Ca_kabuli_chr06	25222214	AA	CC	1940359898
SNP_P1_113544_25248786	NC_021165.1	Ca_kabuli_chr06	25248786	CC	TT	1940359900
SNP_P1_113545_25272033	NC_021165.1	Ca_kabuli_chr06	25272033	AA	GG	1940359902
SNP_P1_113546_25287190	NC_021165.1	Ca_kabuli_chr06	25287190	TT	GG	1940359903
SNP_P1_113547_25297977	NC_021165.1	Ca_kabuli_chr06	25297977	AA	GG	1940359905
SNP_P1_113548_25299693	NC_021165.1	Ca_kabuli_chr06	25299693	CC	TT	1940359907
SNP_P1_113549_25300226	NC_021165.1	Ca_kabuli_chr06	25300226	TT	AA	1940359909
SNP_P1_113550_25300230	NC_021165.1	Ca_kabuli_chr06	25300230	TT	CC	1940359910
SNP_P1_113551_25300272	NC_021165.1	Ca_kabuli_chr06	25300272	TT	CC	1940359912
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SNP_P1_113555_25300549	NC_021165.1	Ca_kabuli_chr06	25300549	AA	TT	1940359919
SNP_P1_113556_25300574	NC_021165.1	Ca_kabuli_chr06	25300574	AA	GG	1940359921
SNP_P1_113557_25300599	NC_021165.1	Ca_kabuli_chr06	25300599	TT	CC	1940359923
SNP_P1_113558_25302427	NC_021165.1	Ca_kabuli_chr06	25302427	GG	TT	1940359924

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113560_25302574	NC_021165.1	Ca_kabuli_chr06	25302574	GG	AA	1940359928
SNP_P1_113561_25302605	NC_021165.1	Ca_kabuli_chr06	25302605	AA	GG	1940359930
SNP_P1_113562_25302619	NC_021165.1	Ca_kabuli_chr06	25302619	AA	CC	1940359931
SNP_P1_113563_25302625	NC_021165.1	Ca_kabuli_chr06	25302625	AA	GG	1940359933
SNP_P1_113564_25302638	NC_021165.1	Ca_kabuli_chr06	25302638	TT	CC	1940359935
SNP_P1_113565_25302644	NC_021165.1	Ca_kabuli_chr06	25302644	AA	GG	1940359937
SNP_P1_113566_25302873	NC_021165.1	Ca_kabuli_chr06	25302873	AA	GG	1940359938
SNP_P1_113567_25314367	NC_021165.1	Ca_kabuli_chr06	25314367	TT	CC	1940359940
SNP_P1_113568_25314476	NC_021165.1	Ca_kabuli_chr06	25314476	GG	AA	1940359942
SNP_P1_113569_25314551	NC_021165.1	Ca_kabuli_chr06	25314551	GG	TT	1940359944
SNP_P1_113570_25314572	NC_021165.1	Ca_kabuli_chr06	25314572	GG	TT	1940359945
SNP_P1_113571_25314762	NC_021165.1	Ca_kabuli_chr06	25314762	AA	GG	1940359947
SNP_P1_113572_25314774	NC_021165.1	Ca_kabuli_chr06	25314774	CC	TT	1940359949
SNP_P1_113573_25314849	NC_021165.1	Ca_kabuli_chr06	25314849	TT	CC	1940359950
SNP_P1_113574_25314861	NC_021165.1	Ca_kabuli_chr06	25314861	TT	CC	1940359952
SNP_P1_113575_25314874	NC_021165.1	Ca_kabuli_chr06	25314874	AA	TT	1940359954
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SNP_P1_113589_25325329	NC_021165.1	Ca_kabuli_chr06	25325329	TT	CC	1940359978
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SNP_P1_113593_25325412	NC_021165.1	Ca_kabuli_chr06	25325412	AA	GG	1940359985
SNP_P1_113594_25325418	NC_021165.1	Ca_kabuli_chr06	25325418	TT	CC	1940359987
SNP_P1_113595_25336052	NC_021165.1	Ca_kabuli_chr06	25336052	TT	CC	1940359989
SNP_P1_113596_25337983	NC_021165.1	Ca_kabuli_chr06	25337983	CC	AA	1940359991
SNP_P1_113597_25338072	NC_021165.1	Ca_kabuli_chr06	25338072	GG	CC	1940359992
SNP_P1_113598_25338074	NC_021165.1	Ca_kabuli_chr06	25338074	AA	GG	1940359994
SNP_P1_113599_25338214	NC_021165.1	Ca_kabuli_chr06	25338214	GG	AA	1940359996
SNP_P1_113600_25352555	NC_021165.1	Ca_kabuli_chr06	25352555	GG	AA	1940359998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113603_25356080	NC_021165.1	Ca_kabuli_chr06	25356080	CC	AA	1940360003
SNP_P1_113604_25356096	NC_021165.1	Ca_kabuli_chr06	25356096	TT	CC	1940360005
SNP_P1_113605_25362484	NC_021165.1	Ca_kabuli_chr06	25362484	AA	CC	1940360006
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SNP_P1_113607_25397552	NC_021165.1	Ca_kabuli_chr06	25397552	CC	TT	1940360010
SNP_P1_113608_25421369	NC_021165.1	Ca_kabuli_chr06	25421369	CC	GG	1940360012
SNP_P1_113609_25423989	NC_021165.1	Ca_kabuli_chr06	25423989	TT	CC	1940360013
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SNP_P1_113614_25440651	NC_021165.1	Ca_kabuli_chr06	25440651	GG	TT	1940360022
SNP_P1_113616_25448664	NC_021165.1	Ca_kabuli_chr06	25448664	AA	CC	1940360024
SNP_P1_113617_25450667	NC_021165.1	Ca_kabuli_chr06	25450667	CC	TT	1940360025
SNP_P1_113618_25450757	NC_021165.1	Ca_kabuli_chr06	25450757	AA	GG	1940360027
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SNP_P1_113624_25458961	NC_021165.1	Ca_kabuli_chr06	25458961	TT	GG	1940360038
SNP_P1_113625_25468725	NC_021165.1	Ca_kabuli_chr06	25468725	GG	AA	1940360039
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SNP_P1_113631_25535900	NC_021165.1	Ca_kabuli_chr06	25535900	GG	TT	1940360048
SNP_P1_113632_25535907	NC_021165.1	Ca_kabuli_chr06	25535907	AA	GG	1940360050
SNP_P1_113633_25536027	NC_021165.1	Ca_kabuli_chr06	25536027	TT	GG	1940360052
SNP_P1_113634_25542762	NC_021165.1	Ca_kabuli_chr06	25542762	CC	TT	1940360053
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SNP_P1_113636_25545991	NC_021165.1	Ca_kabuli_chr06	25545991	AA	GG	1940360057
SNP_P1_113637_25546410	NC_021165.1	Ca_kabuli_chr06	25546410	AA	GG	1940360059
SNP_P1_113638_25546485	NC_021165.1	Ca_kabuli_chr06	25546485	AA	GG	1940360060
SNP_P1_113639_25546516	NC_021165.1	Ca_kabuli_chr06	25546516	TT	GG	1940360062
SNP_P1_113640_25546533	NC_021165.1	Ca_kabuli_chr06	25546533	CC	TT	1940360064
SNP_P1_113641_25548368	NC_021165.1	Ca_kabuli_chr06	25548368	TT	GG	1940360066
SNP_P1_113642_25548722	NC_021165.1	Ca_kabuli_chr06	25548722	GG	AA	1940360067
SNP_P1_113643_25549570	NC_021165.1	Ca_kabuli_chr06	25549570	CC	AA	1940360069
SNP_P1_113644_25549582	NC_021165.1	Ca_kabuli_chr06	25549582	AA	GG	1940360071

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_113645_25549592	NC_021165.1	Ca_kabuli_chr06	25549592	CC	TT	1940360073
SNP_P1_113646_25549600	NC_021165.1	Ca_kabuli_chr06	25549600	AA	GG	1940360074
SNP_P1_113647_25549602	NC_021165.1	Ca_kabuli_chr06	25549602	TT	CC	1940360076
SNP_P1_113648_25549620	NC_021165.1	Ca_kabuli_chr06	25549620	GG	TT	1940360078
SNP_P1_113649_25549639	NC_021165.1	Ca_kabuli_chr06	25549639	TT	CC	1940360080
SNP_P1_113650_25549648	NC_021165.1	Ca_kabuli_chr06	25549648	TT	CC	1940360081
SNP_P1_113651_25549666	NC_021165.1	Ca_kabuli_chr06	25549666	TT	CC	1940360083
SNP_P1_113652_25549678	NC_021165.1	Ca_kabuli_chr06	25549678	TT	AA	1940360085
SNP_P1_113653_25549693	NC_021165.1	Ca_kabuli_chr06	25549693	TT	CC	1940360086
SNP_P1_113654_25549696	NC_021165.1	Ca_kabuli_chr06	25549696	TT	CC	1940360088
SNP_P1_113655_25549711	NC_021165.1	Ca_kabuli_chr06	25549711	TT	CC	1940360090
SNP_P1_113656_25549712	NC_021165.1	Ca_kabuli_chr06	25549712	TT	CC	1940360092
SNP_P1_113657_25549744	NC_021165.1	Ca_kabuli_chr06	25549744	AA	GG	1940360093
SNP_P1_113658_25549783	NC_021165.1	Ca_kabuli_chr06	25549783	AA	GG	1940360095
SNP_P1_113659_25549798	NC_021165.1	Ca_kabuli_chr06	25549798	TT	CC	1940360097
SNP_P1_113660_25549801	NC_021165.1	Ca_kabuli_chr06	25549801	TT	GG	1940360099
SNP_P1_113661_25549807	NC_021165.1	Ca_kabuli_chr06	25549807	GG	AA	1940360100
SNP_P1_113662_25549825	NC_021165.1	Ca_kabuli_chr06	25549825	AA	GG	1940360102
SNP_P1_113663_25549831	NC_021165.1	Ca_kabuli_chr06	25549831	CC	TT	1940360104
SNP_P1_113664_25549834	NC_021165.1	Ca_kabuli_chr06	25549834	GG	AA	1940360106
SNP_P1_113665_25549837	NC_021165.1	Ca_kabuli_chr06	25549837	AA	GG	1940360107
SNP_P1_113666_25549867	NC_021165.1	Ca_kabuli_chr06	25549867	TT	AA	1940360109
SNP_P1_113667_25549970	NC_021165.1	Ca_kabuli_chr06	25549970	GG	AA	1940360111
SNP_P1_113668_25550043	NC_021165.1	Ca_kabuli_chr06	25550043	CC	AA	1940360113
SNP_P1_113669_25550123	NC_021165.1	Ca_kabuli_chr06	25550123	TT	AA	1940360114
SNP_P1_113671_25550189	NC_021165.1	Ca_kabuli_chr06	25550189	AA	GG	1940360116
SNP_P1_113672_25550252	NC_021165.1	Ca_kabuli_chr06	25550252	TT	CC	1940360118
SNP_P1_113673_25550258	NC_021165.1	Ca_kabuli_chr06	25550258	GG	AA	1940360120
SNP_P1_113674_25550266	NC_021165.1	Ca_kabuli_chr06	25550266	CC	AA	1940360121
SNP_P1_113675_25550306	NC_021165.1	Ca_kabuli_chr06	25550306	AA	GG	1940360123
SNP_P1_113676_25550321	NC_021165.1	Ca_kabuli_chr06	25550321	TT	CC	1940360125
SNP_P1_113677_25550381	NC_021165.1	Ca_kabuli_chr06	25550381	TT	CC	1940360127
SNP_P1_113678_25553212	NC_021165.1	Ca_kabuli_chr06	25553212	CC	TT	1940360128
SNP_P1_113679_25554924	NC_021165.1	Ca_kabuli_chr06	25554924	GG	AA	1940360130
SNP_P1_113680_25558079	NC_021165.1	Ca_kabuli_chr06	25558079	GG	AA	1940360132
SNP_P1_113681_25559001	NC_021165.1	Ca_kabuli_chr06	25559001	AA	CC	1940360134
SNP_P1_113682_25559005	NC_021165.1	Ca_kabuli_chr06	25559005	AA	GG	1940360135
SNP_P1_113683_25559023	NC_021165.1	Ca_kabuli_chr06	25559023	GG	AA	1940360137
SNP_P1_113684_25568657	NC_021165.1	Ca_kabuli_chr06	25568657	TT	CC	1940360139
SNP_P1_113685_25568660	NC_021165.1	Ca_kabuli_chr06	25568660	AA	GG	1940360141
SNP_P1_113686_25568664	NC_021165.1	Ca_kabuli_chr06	25568664	AA	CC	1940360142
SNP_P1_113687_25569011	NC_021165.1	Ca_kabuli_chr06	25569011	GG	AA	1940360144

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113689_25569990	NC_021165.1	Ca_kabuli_chr06	25569990	TT	GG	1940360148
SNP_P1_113690_25570003	NC_021165.1	Ca_kabuli_chr06	25570003	CC	TT	1940360149
SNP_P1_113691_25570033	NC_021165.1	Ca_kabuli_chr06	25570033	AA	GG	1940360151
SNP_P1_113692_25570179	NC_021165.1	Ca_kabuli_chr06	25570179	TT	CC	1940360153
SNP_P1_113693_25572554	NC_021165.1	Ca_kabuli_chr06	25572554	TT	AA	1940360154
SNP_P1_113694_25573599	NC_021165.1	Ca_kabuli_chr06	25573599	CC	AA	1940360156
SNP_P1_113695_25581446	NC_021165.1	Ca_kabuli_chr06	25581446	GG	TT	1940360158
SNP_P1_113696_25581473	NC_021165.1	Ca_kabuli_chr06	25581473	GG	AA	1940360160
SNP_P1_113697_25581475	NC_021165.1	Ca_kabuli_chr06	25581475	TT	CC	1940360161
SNP_P1_113698_25586860	NC_021165.1	Ca_kabuli_chr06	25586860	CC	GG	1940360163
SNP_P1_113699_25586866	NC_021165.1	Ca_kabuli_chr06	25586866	GG	TT	1940360165
SNP_P1_113700_25588021	NC_021165.1	Ca_kabuli_chr06	25588021	GG	AA	1940360167
SNP_P1_113702_25595275	NC_021165.1	Ca_kabuli_chr06	25595275	TT	CC	1940360168
SNP_P1_113703_25595284	NC_021165.1	Ca_kabuli_chr06	25595284	CC	TT	1940360170
SNP_P1_113705_25595856	NC_021165.1	Ca_kabuli_chr06	25595856	TT	CC	1940360172
SNP_P1_113706_25595858	NC_021165.1	Ca_kabuli_chr06	25595858	GG	AA	1940360174
SNP_P1_113707_25595905	NC_021165.1	Ca_kabuli_chr06	25595905	TT	CC	1940360175
SNP_P1_113708_25608897	NC_021165.1	Ca_kabuli_chr06	25608897	GG	TT	1940360177
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SNP_P1_113711_25613214	NC_021165.1	Ca_kabuli_chr06	25613214	GG	AA	1940360181
SNP_P1_113713_25613292	NC_021165.1	Ca_kabuli_chr06	25613292	TT	AA	1940360182
SNP_P1_113714_25613503	NC_021165.1	Ca_kabuli_chr06	25613503	AA	GG	1940360184
SNP_P1_113715_25613541	NC_021165.1	Ca_kabuli_chr06	25613541	GG	AA	1940360186
SNP_P1_113716_25613559	NC_021165.1	Ca_kabuli_chr06	25613559	AA	GG	1940360188
SNP_P1_113717_25617429	NC_021165.1	Ca_kabuli_chr06	25617429	TT	CC	1940360189
SNP_P1_113718_25624867	NC_021165.1	Ca_kabuli_chr06	25624867	CC	TT	1940360191
SNP_P1_113719_25624882	NC_021165.1	Ca_kabuli_chr06	25624882	GG	TT	1940360193
SNP_P1_113720_25624959	NC_021165.1	Ca_kabuli_chr06	25624959	AA	GG	1940360195
SNP_P1_113722_25625295	NC_021165.1	Ca_kabuli_chr06	25625295	AA	GG	1940360196
SNP_P1_113723_25626097	NC_021165.1	Ca_kabuli_chr06	25626097	GG	AA	1940360198
SNP_P1_113724_25630997	NC_021165.1	Ca_kabuli_chr06	25630997	GG	AA	1940360200
SNP_P1_113725_25638387	NC_021165.1	Ca_kabuli_chr06	25638387	TT	CC	1940360202
SNP_P1_113726_25638459	NC_021165.1	Ca_kabuli_chr06	25638459	CC	TT	1940360203
SNP_P1_113727_25638748	NC_021165.1	Ca_kabuli_chr06	25638748	TT	GG	1940360205
SNP_P1_113728_25638757	NC_021165.1	Ca_kabuli_chr06	25638757	TT	AA	1940360207
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SNP_P1_113730_25650889	NC_021165.1	Ca_kabuli_chr06	25650889	TT	GG	1940360210
SNP_P1_113731_25650908	NC_021165.1	Ca_kabuli_chr06	25650908	AA	GG	1940360212
SNP_P1_113732_25650952	NC_021165.1	Ca_kabuli_chr06	25650952	AA	TT	1940360214
SNP_P1_113733_25652511	NC_021165.1	Ca_kabuli_chr06	25652511	CC	AA	1940360215
SNP_P1_113734_25652924	NC_021165.1	Ca_kabuli_chr06	25652924	AA	GG	1940360217

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113736_25657980	NC_021165.1	Ca_kabuli_chr06	25657980	TT	GG	1940360221
SNP_P1_113737_25658368	NC_021165.1	Ca_kabuli_chr06	25658368	AA	GG	1940360222
SNP_P1_113738_25660210	NC_021165.1	Ca_kabuli_chr06	25660210	AA	GG	1940360224
SNP_P1_113739_25671405	NC_021165.1	Ca_kabuli_chr06	25671405	TT	AA	1940360226
SNP_P1_113740_25671453	NC_021165.1	Ca_kabuli_chr06	25671453	AA	GG	1940360228
SNP_P1_113741_25671783	NC_021165.1	Ca_kabuli_chr06	25671783	AA	TT	1940360229
SNP_P1_113742_25671912	NC_021165.1	Ca_kabuli_chr06	25671912	TT	GG	1940360231
SNP_P1_113743_25672063	NC_021165.1	Ca_kabuli_chr06	25672063	AA	TT	1940360233
SNP_P1_113745_25685485	NC_021165.1	Ca_kabuli_chr06	25685485	GG	TT	1940360235
SNP_P1_113746_25686184	NC_021165.1	Ca_kabuli_chr06	25686184	TT	AA	1940360236
SNP_P1_113747_25690375	NC_021165.1	Ca_kabuli_chr06	25690375	AA	GG	1940360238
SNP_P1_113748_25690409	NC_021165.1	Ca_kabuli_chr06	25690409	AA	GG	1940360240
SNP_P1_113749_25690429	NC_021165.1	Ca_kabuli_chr06	25690429	AA	TT	1940360242
SNP_P1_113750_25690430	NC_021165.1	Ca_kabuli_chr06	25690430	TT	AA	1940360243
SNP_P1_113751_25690572	NC_021165.1	Ca_kabuli_chr06	25690572	CC	TT	1940360245
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SNP_P1_113753_25690698	NC_021165.1	Ca_kabuli_chr06	25690698	AA	GG	1940360249
SNP_P1_113754_25690704	NC_021165.1	Ca_kabuli_chr06	25690704	AA	TT	1940360250
SNP_P1_113755_25690714	NC_021165.1	Ca_kabuli_chr06	25690714	GG	TT	1940360252
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SNP_P1_113757_25691006	NC_021165.1	Ca_kabuli_chr06	25691006	TT	AA	1940360256
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SNP_P1_113761_25697054	NC_021165.1	Ca_kabuli_chr06	25697054	CC	AA	1940360259
SNP_P1_113762_25697109	NC_021165.1	Ca_kabuli_chr06	25697109	GG	TT	1940360261
SNP_P1_113763_25697192	NC_021165.1	Ca_kabuli_chr06	25697192	TT	CC	1940360263
SNP_P1_113764_25697222	NC_021165.1	Ca_kabuli_chr06	25697222	TT	CC	1940360264
SNP_P1_113765_25713576	NC_021165.1	Ca_kabuli_chr06	25713576	TT	CC	1940360266
SNP_P1_113766_25719805	NC_021165.1	Ca_kabuli_chr06	25719805	GG	TT	1940360268
SNP_P1_113767_25719820	NC_021165.1	Ca_kabuli_chr06	25719820	TT	CC	1940360270
SNP_P1_113769_25726708	NC_021165.1	Ca_kabuli_chr06	25726708	TT	AA	1940360271
SNP_P1_113770_25727206	NC_021165.1	Ca_kabuli_chr06	25727206	TT	CC	1940360273
SNP_P1_113771_25727208	NC_021165.1	Ca_kabuli_chr06	25727208	GG	AA	1940360275
SNP_P1_113772_25727213	NC_021165.1	Ca_kabuli_chr06	25727213	AA	GG	1940360276
SNP_P1_113773_25727225	NC_021165.1	Ca_kabuli_chr06	25727225	GG	CC	1940360278
SNP_P1_113774_25732398	NC_021165.1	Ca_kabuli_chr06	25732398	TT	CC	1940360280
SNP_P1_113775_25732435	NC_021165.1	Ca_kabuli_chr06	25732435	CC	GG	1940360282
SNP_P1_113776_25732455	NC_021165.1	Ca_kabuli_chr06	25732455	CC	AA	1940360283
SNP_P1_113777_25733362	NC_021165.1	Ca_kabuli_chr06	25733362	GG	AA	1940360285
SNP_P1_113778_25733543	NC_021165.1	Ca_kabuli_chr06	25733543	AA	GG	1940360287
SNP_P1_113779_25733620	NC_021165.1	Ca_kabuli_chr06	25733620	CC	TT	1940360289
SNP_P1_113780_25733627	NC_021165.1	Ca_kabuli_chr06	25733627	GG	TT	1940360290

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113782_25733743	NC_021165.1	Ca_kabuli_chr06	25733743	AA	GG	1940360294
SNP_P1_113783_25733745	NC_021165.1	Ca_kabuli_chr06	25733745	GG	AA	1940360296
SNP_P1_113784_25733920	NC_021165.1	Ca_kabuli_chr06	25733920	GG	TT	1940360297
SNP_P1_113785_25743694	NC_021165.1	Ca_kabuli_chr06	25743694	AA	TT	1940360299
SNP_P1_113786_25751650	NC_021165.1	Ca_kabuli_chr06	25751650	TT	AA	1940360301
SNP_P1_113787_25751655	NC_021165.1	Ca_kabuli_chr06	25751655	GG	AA	1940360303
SNP_P1_113788_25751724	NC_021165.1	Ca_kabuli_chr06	25751724	AA	GG	1940360304
SNP_P1_113789_25751760	NC_021165.1	Ca_kabuli_chr06	25751760	AA	CC	1940360306
SNP_P1_113790_25751821	NC_021165.1	Ca_kabuli_chr06	25751821	TT	CC	1940360308
SNP_P1_113791_25751871	NC_021165.1	Ca_kabuli_chr06	25751871	TT	CC	1940360310
SNP_P1_113792_25752006	NC_021165.1	Ca_kabuli_chr06	25752006	GG	AA	1940360311
SNP_P1_113793_25752128	NC_021165.1	Ca_kabuli_chr06	25752128	CC	TT	1940360313
SNP_P1_113794_25752129	NC_021165.1	Ca_kabuli_chr06	25752129	TT	GG	1940360315
SNP_P1_113795_25752177	NC_021165.1	Ca_kabuli_chr06	25752177	TT	CC	1940360317
SNP_P1_113796_25752245	NC_021165.1	Ca_kabuli_chr06	25752245	CC	TT	1940360318
SNP_P1_113797_25754420	NC_021165.1	Ca_kabuli_chr06	25754420	TT	CC	1940360320
SNP_P1_113798_25754427	NC_021165.1	Ca_kabuli_chr06	25754427	AA	GG	1940360322
SNP_P1_113799_25754481	NC_021165.1	Ca_kabuli_chr06	25754481	AA	GG	1940360324
SNP_P1_113800_25754542	NC_021165.1	Ca_kabuli_chr06	25754542	AA	GG	1940360325
SNP_P1_113801_25754765	NC_021165.1	Ca_kabuli_chr06	25754765	AA	GG	1940360327
SNP_P1_113802_25756878	NC_021165.1	Ca_kabuli_chr06	25756878	CC	TT	1940360329
SNP_P1_113803_25756907	NC_021165.1	Ca_kabuli_chr06	25756907	GG	AA	1940360330
SNP_P1_113804_25757855	NC_021165.1	Ca_kabuli_chr06	25757855	GG	AA	1940360332
SNP_P1_113805_25757877	NC_021165.1	Ca_kabuli_chr06	25757877	AA	GG	1940360334
SNP_P1_113806_25757939	NC_021165.1	Ca_kabuli_chr06	25757939	AA	TT	1940360336
SNP_P1_113807_25758105	NC_021165.1	Ca_kabuli_chr06	25758105	GG	AA	1940360337
SNP_P1_113809_25773506	NC_021165.1	Ca_kabuli_chr06	25773506	AA	GG	1940360339
SNP_P1_113810_25776654	NC_021165.1	Ca_kabuli_chr06	25776654	CC	AA	1940360341
SNP_P1_113811_25789400	NC_021165.1	Ca_kabuli_chr06	25789400	CC	TT	1940360343
SNP_P1_113812_25789415	NC_021165.1	Ca_kabuli_chr06	25789415	AA	GG	1940360344
SNP_P1_113813_25789563	NC_021165.1	Ca_kabuli_chr06	25789563	AA	TT	1940360346
SNP_P1_113814_25815726	NC_021165.1	Ca_kabuli_chr06	25815726	TT	AA	1940360348
SNP_P1_113815_25818275	NC_021165.1	Ca_kabuli_chr06	25818275	CC	TT	1940360350
SNP_P1_113816_25821823	NC_021165.1	Ca_kabuli_chr06	25821823	GG	TT	1940360351
SNP_P1_113817_25829797	NC_021165.1	Ca_kabuli_chr06	25829797	AA	GG	1940360353
SNP_P1_113818_25834242	NC_021165.1	Ca_kabuli_chr06	25834242	GG	AA	1940360355
SNP_P1_113819_25867550	NC_021165.1	Ca_kabuli_chr06	25867550	CC	AA	1940360357
SNP_P1_113820_25867554	NC_021165.1	Ca_kabuli_chr06	25867554	TT	GG	1940360358
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SNP_P1_113822_25867647	NC_021165.1	Ca_kabuli_chr06	25867647	GG	AA	1940360362
SNP_P1_113823_25867650	NC_021165.1	Ca_kabuli_chr06	25867650	AA	GG	1940360364

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113825_25867665	NC_021165.1	Ca_kabuli_chr06	25867665	TT	CC	1940360367
SNP_P1_113826_25867709	NC_021165.1	Ca_kabuli_chr06	25867709	TT	GG	1940360369
SNP_P1_113827_25867726	NC_021165.1	Ca_kabuli_chr06	25867726	AA	GG	1940360371
SNP_P1_113828_25868062	NC_021165.1	Ca_kabuli_chr06	25868062	CC	AA	1940360372
SNP_P1_113829_25868100	NC_021165.1	Ca_kabuli_chr06	25868100	TT	AA	1940360374
SNP_P1_113830_25869062	NC_021165.1	Ca_kabuli_chr06	25869062	TT	GG	1940360376
SNP_P1_113831_25869104	NC_021165.1	Ca_kabuli_chr06	25869104	GG	AA	1940360378
SNP_P1_113832_25869140	NC_021165.1	Ca_kabuli_chr06	25869140	AA	CC	1940360379
SNP_P1_113833_25869181	NC_021165.1	Ca_kabuli_chr06	25869181	TT	CC	1940360381
SNP_P1_113834_25869226	NC_021165.1	Ca_kabuli_chr06	25869226	TT	AA	1940360383
SNP_P1_113835_25869229	NC_021165.1	Ca_kabuli_chr06	25869229	CC	AA	1940360385
SNP_P1_113836_25869230	NC_021165.1	Ca_kabuli_chr06	25869230	AA	GG	1940360386
SNP_P1_113837_25869231	NC_021165.1	Ca_kabuli_chr06	25869231	CC	GG	1940360388
SNP_P1_113838_25869243	NC_021165.1	Ca_kabuli_chr06	25869243	AA	GG	1940360390
SNP_P1_113839_25869254	NC_021165.1	Ca_kabuli_chr06	25869254	AA	GG	1940360392
SNP_P1_113840_25869411	NC_021165.1	Ca_kabuli_chr06	25869411	TT	GG	1940360393
SNP_P1_113841_25869437	NC_021165.1	Ca_kabuli_chr06	25869437	CC	GG	1940360395
SNP_P1_113842_25869441	NC_021165.1	Ca_kabuli_chr06	25869441	TT	GG	1940360397
SNP_P1_113843_25869497	NC_021165.1	Ca_kabuli_chr06	25869497	CC	TT	1940360398
SNP_P1_113844_25887069	NC_021165.1	Ca_kabuli_chr06	25887069	TT	CC	1940360400
SNP_P1_113845_25887928	NC_021165.1	Ca_kabuli_chr06	25887928	TT	GG	1940360402
SNP_P1_113846_25887931	NC_021165.1	Ca_kabuli_chr06	25887931	TT	CC	1940360404
SNP_P1_113847_25892592	NC_021165.1	Ca_kabuli_chr06	25892592	AA	GG	1940360405
SNP_P1_113848_25892608	NC_021165.1	Ca_kabuli_chr06	25892608	AA	CC	1940360407
SNP_P1_113849_25894571	NC_021165.1	Ca_kabuli_chr06	25894571	AA	GG	1940360409
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SNP_P1_113851_25894744	NC_021165.1	Ca_kabuli_chr06	25894744	CC	AA	1940360412
SNP_P1_113852_25894748	NC_021165.1	Ca_kabuli_chr06	25894748	TT	GG	1940360414
SNP_P1_113853_25900084	NC_021165.1	Ca_kabuli_chr06	25900084	TT	AA	1940360416
SNP_P1_113854_25900117	NC_021165.1	Ca_kabuli_chr06	25900117	AA	GG	1940360418
SNP_P1_113855_25905621	NC_021165.1	Ca_kabuli_chr06	25905621	GG	AA	1940360419
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SNP_P1_113859_25916500	NC_021165.1	Ca_kabuli_chr06	25916500	AA	GG	1940360426
SNP_P1_113860_25916600	NC_021165.1	Ca_kabuli_chr06	25916600	GG	AA	1940360428
SNP_P1_113862_25916630	NC_021165.1	Ca_kabuli_chr06	25916630	CC	TT	1940360430
SNP_P1_113864_25916663	NC_021165.1	Ca_kabuli_chr06	25916663	TT	CC	1940360432
SNP_P1_113865_25916702	NC_021165.1	Ca_kabuli_chr06	25916702	TT	CC	1940360433
SNP_P1_113866_25916902	NC_021165.1	Ca_kabuli_chr06	25916902	AA	GG	1940360435
SNP_P1_113867_25916935	NC_021165.1	Ca_kabuli_chr06	25916935	CC	AA	1940360437

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113870_25919741	NC_021165.1	Ca_kabuli_chr06	25919741	CC	TT	1940360442
SNP_P1_113871_25921482	NC_021165.1	Ca_kabuli_chr06	25921482	AA	GG	1940360444
SNP_P1_113872_25941060	NC_021165.1	Ca_kabuli_chr06	25941060	AA	CC	1940360446
SNP_P1_113874_25966973	NC_021165.1	Ca_kabuli_chr06	25966973	CC	TT	1940360447
SNP_P1_113875_25967001	NC_021165.1	Ca_kabuli_chr06	25967001	AA	CC	1940360449
SNP_P1_113876_25967483	NC_021165.1	Ca_kabuli_chr06	25967483	AA	GG	1940360451
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SNP_P1_113878_25967522	NC_021165.1	Ca_kabuli_chr06	25967522	AA	GG	1940360454
SNP_P1_113879_25967564	NC_021165.1	Ca_kabuli_chr06	25967564	TT	CC	1940360456
SNP_P1_113880_25967573	NC_021165.1	Ca_kabuli_chr06	25967573	TT	CC	1940360458
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SNP_P1_113882_25972480	NC_021165.1	Ca_kabuli_chr06	25972480	TT	AA	1940360461
SNP_P1_113884_25977787	NC_021165.1	Ca_kabuli_chr06	25977787	TT	CC	1940360463
SNP_P1_113885_25977880	NC_021165.1	Ca_kabuli_chr06	25977880	AA	TT	1940360465
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SNP_P1_113887_25977919	NC_021165.1	Ca_kabuli_chr06	25977919	TT	GG	1940360468
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SNP_P1_113890_25978111	NC_021165.1	Ca_kabuli_chr06	25978111	AA	GG	1940360473
SNP_P1_113891_25978701	NC_021165.1	Ca_kabuli_chr06	25978701	CC	TT	1940360475
SNP_P1_113892_25979026	NC_021165.1	Ca_kabuli_chr06	25979026	GG	AA	1940360477
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SNP_P1_113897_25982980	NC_021165.1	Ca_kabuli_chr06	25982980	TT	AA	1940360486
SNP_P1_113898_25982985	NC_021165.1	Ca_kabuli_chr06	25982985	CC	TT	1940360487
SNP_P1_113899_25983085	NC_021165.1	Ca_kabuli_chr06	25983085	TT	CC	1940360489
SNP_P1_113901_26007381	NC_021165.1	Ca_kabuli_chr06	26007381	AA	TT	1940360491
SNP_P1_113902_26023113	NC_021165.1	Ca_kabuli_chr06	26023113	AA	GG	1940360493
SNP_P1_113903_26027557	NC_021165.1	Ca_kabuli_chr06	26027557	GG	AA	1940360494
SNP_P1_113904_26027576	NC_021165.1	Ca_kabuli_chr06	26027576	AA	GG	1940360496
SNP_P1_113905_26027628	NC_021165.1	Ca_kabuli_chr06	26027628	AA	GG	1940360498
SNP_P1_113906_26060278	NC_021165.1	Ca_kabuli_chr06	26060278	CC	TT	1940360500
SNP_P1_113907_26060454	NC_021165.1	Ca_kabuli_chr06	26060454	TT	GG	1940360501
SNP_P1_113908_26060725	NC_021165.1	Ca_kabuli_chr06	26060725	CC	GG	1940360503
SNP_P1_113909_26060736	NC_021165.1	Ca_kabuli_chr06	26060736	GG	AA	1940360505
SNP_P1_113910_26060989	NC_021165.1	Ca_kabuli_chr06	26060989	CC	AA	1940360507
SNP_P1_113911_26061037	NC_021165.1	Ca_kabuli_chr06	26061037	GG	AA	1940360508
SNP_P1_113912_26065402	NC_021165.1	Ca_kabuli_chr06	26065402	TT	CC	1940360510

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113915_26066080	NC_021165.1	Ca_kabuli_chr06	26066080	TT	CC	1940360515
SNP_P1_113916_26066116	NC_021165.1	Ca_kabuli_chr06	26066116	TT	CC	1940360517
SNP_P1_113917_26066478	NC_021165.1	Ca_kabuli_chr06	26066478	TT	CC	1940360519
SNP_P1_113918_26066480	NC_021165.1	Ca_kabuli_chr06	26066480	TT	GG	1940360520
SNP_P1_113919_26066496	NC_021165.1	Ca_kabuli_chr06	26066496	GG	AA	1940360522
SNP_P1_113920_26066506	NC_021165.1	Ca_kabuli_chr06	26066506	CC	TT	1940360524
SNP_P1_113921_26066523	NC_021165.1	Ca_kabuli_chr06	26066523	CC	TT	1940360526
SNP_P1_113922_26069119	NC_021165.1	Ca_kabuli_chr06	26069119	GG	TT	1940360527
SNP_P1_113924_26092906	NC_021165.1	Ca_kabuli_chr06	26092906	AA	CC	1940360529
SNP_P1_113925_26102995	NC_021165.1	Ca_kabuli_chr06	26102995	TT	GG	1940360531
SNP_P1_113926_26104611	NC_021165.1	Ca_kabuli_chr06	26104611	CC	TT	1940360533
SNP_P1_113929_26118306	NC_021165.1	Ca_kabuli_chr06	26118306	AA	GG	1940360534
SNP_P1_113930_26130776	NC_021165.1	Ca_kabuli_chr06	26130776	AA	GG	1940360536
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SNP_P1_113932_26131643	NC_021165.1	Ca_kabuli_chr06	26131643	TT	AA	1940360540
SNP_P1_113933_26131781	NC_021165.1	Ca_kabuli_chr06	26131781	CC	TT	1940360541
SNP_P1_113934_26132045	NC_021165.1	Ca_kabuli_chr06	26132045	TT	AA	1940360543
SNP_P1_113935_26132073	NC_021165.1	Ca_kabuli_chr06	26132073	AA	GG	1940360545
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SNP_P1_113937_26132093	NC_021165.1	Ca_kabuli_chr06	26132093	AA	GG	1940360548
SNP_P1_113938_26140233	NC_021165.1	Ca_kabuli_chr06	26140233	AA	TT	1940360550
SNP_P1_113940_26152483	NC_021165.1	Ca_kabuli_chr06	26152483	GG	CC	1940360552
SNP_P1_113941_26152533	NC_021165.1	Ca_kabuli_chr06	26152533	CC	TT	1940360554
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SNP_P1_113944_26152823	NC_021165.1	Ca_kabuli_chr06	26152823	AA	GG	1940360559
SNP_P1_113945_26152861	NC_021165.1	Ca_kabuli_chr06	26152861	AA	GG	1940360561
SNP_P1_113946_26152919	NC_021165.1	Ca_kabuli_chr06	26152919	AA	GG	1940360562
SNP_P1_113947_26159928	NC_021165.1	Ca_kabuli_chr06	26159928	CC	GG	1940360564
SNP_P1_113948_26159931	NC_021165.1	Ca_kabuli_chr06	26159931	GG	AA	1940360566
SNP_P1_113949_26167067	NC_021165.1	Ca_kabuli_chr06	26167067	CC	TT	1940360567
SNP_P1_113950_26170587	NC_021165.1	Ca_kabuli_chr06	26170587	GG	TT	1940360569
SNP_P1_113951_26175584	NC_021165.1	Ca_kabuli_chr06	26175584	GG	AA	1940360571
SNP_P1_113952_26175600	NC_021165.1	Ca_kabuli_chr06	26175600	GG	TT	1940360573
SNP_P1_113953_26200488	NC_021165.1	Ca_kabuli_chr06	26200488	GG	AA	1940360574
SNP_P1_113954_26200495	NC_021165.1	Ca_kabuli_chr06	26200495	GG	AA	1940360576
SNP_P1_113955_26203090	NC_021165.1	Ca_kabuli_chr06	26203090	GG	CC	1940360578
SNP_P1_113957_26209354	NC_021165.1	Ca_kabuli_chr06	26209354	TT	CC	1940360580
SNP_P1_113958_26213125	NC_021165.1	Ca_kabuli_chr06	26213125	TT	CC	1940360581
SNP_P1_113959_26240385	NC_021165.1	Ca_kabuli_chr06	26240385	CC	GG	1940360583

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_113961_26244225	NC_021165.1	Ca_kabuli_chr06	26244225	CC	TT	1940360587
SNP_P1_113962_26244243	NC_021165.1	Ca_kabuli_chr06	26244243	TT	CC	1940360588
SNP_P1_113963_26244267	NC_021165.1	Ca_kabuli_chr06	26244267	GG	AA	1940360590
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SNP_P1_113966_26244308	NC_021165.1	Ca_kabuli_chr06	26244308	GG	AA	1940360595
SNP_P1_113967_26244534	NC_021165.1	Ca_kabuli_chr06	26244534	CC	TT	1940360597
SNP_P1_113968_26244537	NC_021165.1	Ca_kabuli_chr06	26244537	TT	GG	1940360599
SNP_P1_113969_26247769	NC_021165.1	Ca_kabuli_chr06	26247769	CC	TT	1940360601
SNP_P1_113970_26247924	NC_021165.1	Ca_kabuli_chr06	26247924	GG	AA	1940360602
SNP_P1_113971_26247957	NC_021165.1	Ca_kabuli_chr06	26247957	CC	TT	1940360604
SNP_P1_113972_26247969	NC_021165.1	Ca_kabuli_chr06	26247969	CC	TT	1940360606
SNP_P1_113973_26247987	NC_021165.1	Ca_kabuli_chr06	26247987	CC	TT	1940360608
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SNP_P1_113976_26248026	NC_021165.1	Ca_kabuli_chr06	26248026	TT	CC	1940360613
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SNP_P1_113981_26255812	NC_021165.1	Ca_kabuli_chr06	26255812	AA	GG	1940360622
SNP_P1_113982_26255826	NC_021165.1	Ca_kabuli_chr06	26255826	CC	TT	1940360623
SNP_P1_113983_26255958	NC_021165.1	Ca_kabuli_chr06	26255958	CC	AA	1940360625
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SNP_P1_113987_26257059	NC_021165.1	Ca_kabuli_chr06	26257059	AA	GG	1940360632
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SNP_P1_113990_26268288	NC_021165.1	Ca_kabuli_chr06	26268288	CC	AA	1940360635
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SNP_P1_113992_26277598	NC_021165.1	Ca_kabuli_chr06	26277598	CC	TT	1940360639
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SNP_P1_114002_26278239	NC_021165.1	Ca_kabuli_chr06	26278239	AA	GG	1940360655
SNP_P1_114003_26278254	NC_021165.1	Ca_kabuli_chr06	26278254	CC	TT	1940360656

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114006_26283784	NC_021165.1	Ca_kabuli_chr06	26283784	AA	GG	1940360662
SNP_P1_114007_26284120	NC_021165.1	Ca_kabuli_chr06	26284120	AA	GG	1940360663
SNP_P1_114008_26286025	NC_021165.1	Ca_kabuli_chr06	26286025	GG	TT	1940360665
SNP_P1_114009_26286038	NC_021165.1	Ca_kabuli_chr06	26286038	AA	GG	1940360667
SNP_P1_114010_26286460	NC_021165.1	Ca_kabuli_chr06	26286460	AA	GG	1940360669
SNP_P1_114011_26286465	NC_021165.1	Ca_kabuli_chr06	26286465	CC	GG	1940360670
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SNP_P1_114014_26291268	NC_021165.1	Ca_kabuli_chr06	26291268	GG	CC	1940360674
SNP_P1_114015_26297837	NC_021165.1	Ca_kabuli_chr06	26297837	GG	CC	1940360676
SNP_P1_114016_26297895	NC_021165.1	Ca_kabuli_chr06	26297895	TT	CC	1940360677
SNP_P1_114017_26297915	NC_021165.1	Ca_kabuli_chr06	26297915	TT	CC	1940360679
SNP_P1_114018_26297936	NC_021165.1	Ca_kabuli_chr06	26297936	AA	TT	1940360681
SNP_P1_114019_26298259	NC_021165.1	Ca_kabuli_chr06	26298259	AA	GG	1940360683
SNP_P1_114020_26307574	NC_021165.1	Ca_kabuli_chr06	26307574	GG	AA	1940360684
SNP_P1_114021_26307882	NC_021165.1	Ca_kabuli_chr06	26307882	CC	TT	1940360686
SNP_P1_114022_26309641	NC_021165.1	Ca_kabuli_chr06	26309641	TT	CC	1940360688
SNP_P1_114023_26309669	NC_021165.1	Ca_kabuli_chr06	26309669	TT	GG	1940360690
SNP_P1_114024_26309979	NC_021165.1	Ca_kabuli_chr06	26309979	CC	AA	1940360691
SNP_P1_114025_26310022	NC_021165.1	Ca_kabuli_chr06	26310022	AA	CC	1940360693
SNP_P1_114026_26310042	NC_021165.1	Ca_kabuli_chr06	26310042	AA	GG	1940360695
SNP_P1_114027_26310050	NC_021165.1	Ca_kabuli_chr06	26310050	TT	CC	1940360697
SNP_P1_114028_26310052	NC_021165.1	Ca_kabuli_chr06	26310052	TT	GG	1940360698
SNP_P1_114029_26310056	NC_021165.1	Ca_kabuli_chr06	26310056	AA	GG	1940360700
SNP_P1_114030_26310067	NC_021165.1	Ca_kabuli_chr06	26310067	GG	TT	1940360702
SNP_P1_114031_26310073	NC_021165.1	Ca_kabuli_chr06	26310073	TT	AA	1940360703
SNP_P1_114032_26363459	NC_021165.1	Ca_kabuli_chr06	26363459	TT	CC	1940360705
SNP_P1_114033_26374810	NC_021165.1	Ca_kabuli_chr06	26374810	AA	GG	1940360707
SNP_P1_114035_26377687	NC_021165.1	Ca_kabuli_chr06	26377687	GG	AA	1940360709
SNP_P1_114036_26378415	NC_021165.1	Ca_kabuli_chr06	26378415	CC	TT	1940360710
SNP_P1_114037_26412405	NC_021165.1	Ca_kabuli_chr06	26412405	AA	TT	1940360712
SNP_P1_114040_26438823	NC_021165.1	Ca_kabuli_chr06	26438823	GG	TT	1940360714
SNP_P1_114041_26454234	NC_021165.1	Ca_kabuli_chr06	26454234	CC	TT	1940360716
SNP_P1_114042_26465894	NC_021165.1	Ca_kabuli_chr06	26465894	TT	AA	1940360717
SNP_P1_114043_26479701	NC_021165.1	Ca_kabuli_chr06	26479701	GG	AA	1940360719
SNP_P1_114044_26496189	NC_021165.1	Ca_kabuli_chr06	26496189	GG	TT	1940360721
SNP_P1_114046_26499154	NC_021165.1	Ca_kabuli_chr06	26499154	AA	GG	1940360723
SNP_P1_114047_26507527	NC_021165.1	Ca_kabuli_chr06	26507527	GG	AA	1940360724
SNP_P1_114048_26536031	NC_021165.1	Ca_kabuli_chr06	26536031	CC	TT	1940360726
SNP_P1_114049_26545277	NC_021165.1	Ca_kabuli_chr06	26545277	AA	GG	1940360728
SNP_P1_114050_26553480	NC_021165.1	Ca_kabuli_chr06	26553480	GG	AA	1940360730

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114053_26560663	NC_021165.1	Ca_kabuli_chr06	26560663	TT	GG	1940360733
SNP_P1_114054_26561081	NC_021165.1	Ca_kabuli_chr06	26561081	CC	AA	1940360735
SNP_P1_114055_26583276	NC_021165.1	Ca_kabuli_chr06	26583276	TT	CC	1940360737
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SNP_P1_114058_26604882	NC_021165.1	Ca_kabuli_chr06	26604882	AA	CC	1940360740
SNP_P1_114059_26614647	NC_021165.1	Ca_kabuli_chr06	26614647	CC	TT	1940360742
SNP_P1_114060_26642860	NC_021165.1	Ca_kabuli_chr06	26642860	GG	TT	1940360744
SNP_P1_114061_26645562	NC_021165.1	Ca_kabuli_chr06	26645562	TT	AA	1940360745
SNP_P1_114062_26648195	NC_021165.1	Ca_kabuli_chr06	26648195	TT	AA	1940360747
SNP_P1_114064_26685721	NC_021165.1	Ca_kabuli_chr06	26685721	GG	AA	1940360749
SNP_P1_114065_26685914	NC_021165.1	Ca_kabuli_chr06	26685914	AA	GG	1940360751
SNP_P1_114066_26685949	NC_021165.1	Ca_kabuli_chr06	26685949	AA	TT	1940360752
SNP_P1_114067_26685959	NC_021165.1	Ca_kabuli_chr06	26685959	GG	CC	1940360754
SNP_P1_114068_26686289	NC_021165.1	Ca_kabuli_chr06	26686289	TT	AA	1940360756
SNP_P1_114069_26686587	NC_021165.1	Ca_kabuli_chr06	26686587	CC	TT	1940360757
SNP_P1_114071_26721504	NC_021165.1	Ca_kabuli_chr06	26721504	TT	CC	1940360759
SNP_P1_114072_26721786	NC_021165.1	Ca_kabuli_chr06	26721786	GG	TT	1940360761
SNP_P1_114073_26737583	NC_021165.1	Ca_kabuli_chr06	26737583	GG	AA	1940360763
SNP_P1_114075_26775126	NC_021165.1	Ca_kabuli_chr06	26775126	GG	AA	1940360764
SNP_P1_114076_26808507	NC_021165.1	Ca_kabuli_chr06	26808507	TT	CC	1940360766
SNP_P1_114077_26828982	NC_021165.1	Ca_kabuli_chr06	26828982	CC	AA	1940360768
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SNP_P1_114089_26923260	NC_021165.1	Ca_kabuli_chr06	26923260	AA	TT	1940360784
SNP_P1_114090_26925226	NC_021165.1	Ca_kabuli_chr06	26925226	AA	GG	1940360785
SNP_P1_114092_26931771	NC_021165.1	Ca_kabuli_chr06	26931771	CC	GG	1940360787
SNP_P1_114094_26939893	NC_021165.1	Ca_kabuli_chr06	26939893	GG	TT	1940360789
SNP_P1_114095_26948219	NC_021165.1	Ca_kabuli_chr06	26948219	TT	AA	1940360791
SNP_P1_114096_26948222	NC_021165.1	Ca_kabuli_chr06	26948222	TT	GG	1940360792
SNP_P1_114097_26949946	NC_021165.1	Ca_kabuli_chr06	26949946	GG	CC	1940360794
SNP_P1_114098_26950010	NC_021165.1	Ca_kabuli_chr06	26950010	CC	TT	1940360796
SNP_P1_114099_26950424	NC_021165.1	Ca_kabuli_chr06	26950424	AA	GG	1940360798
SNP_P1_114100_26950458	NC_021165.1	Ca_kabuli_chr06	26950458	CC	TT	1940360799
SNP_P1_114101_26950459	NC_021165.1	Ca_kabuli_chr06	26950459	TT	CC	1940360801
SNP_P1_114102_26954303	NC_021165.1	Ca_kabuli_chr06	26954303	AA	TT	1940360803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114105_26998139	NC_021165.1	Ca_kabuli_chr06	26998139	CC	TT	1940360808
SNP_P1_114106_27004632	NC_021165.1	Ca_kabuli_chr06	27004632	AA	GG	1940360810
SNP_P1_114107_27007564	NC_021165.1	Ca_kabuli_chr06	27007564	TT	AA	1940360812
SNP_P1_114108_27008100	NC_021165.1	Ca_kabuli_chr06	27008100	GG	AA	1940360813
SNP_P1_114109_27008119	NC_021165.1	Ca_kabuli_chr06	27008119	AA	GG	1940360815
SNP_P1_114110_27020479	NC_021165.1	Ca_kabuli_chr06	27020479	AA	CC	1940360817
SNP_P1_114111_27021813	NC_021165.1	Ca_kabuli_chr06	27021813	GG	AA	1940360819
SNP_P1_114112_27027533	NC_021165.1	Ca_kabuli_chr06	27027533	AA	GG	1940360820
SNP_P1_114113_27027764	NC_021165.1	Ca_kabuli_chr06	27027764	CC	TT	1940360822
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SNP_P1_114115_27039074	NC_021165.1	Ca_kabuli_chr06	27039074	AA	GG	1940360826
SNP_P1_114116_27039091	NC_021165.1	Ca_kabuli_chr06	27039091	CC	AA	1940360827
SNP_P1_114117_27039094	NC_021165.1	Ca_kabuli_chr06	27039094	CC	TT	1940360829
SNP_P1_114118_27039138	NC_021165.1	Ca_kabuli_chr06	27039138	TT	CC	1940360831
SNP_P1_114119_27039143	NC_021165.1	Ca_kabuli_chr06	27039143	GG	AA	1940360832
SNP_P1_114120_27039232	NC_021165.1	Ca_kabuli_chr06	27039232	CC	TT	1940360834
SNP_P1_114121_27039348	NC_021165.1	Ca_kabuli_chr06	27039348	AA	TT	1940360836
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SNP_P1_114123_27041742	NC_021165.1	Ca_kabuli_chr06	27041742	GG	AA	1940360839
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SNP_P1_114125_27049973	NC_021165.1	Ca_kabuli_chr06	27049973	TT	AA	1940360843
SNP_P1_114126_27049974	NC_021165.1	Ca_kabuli_chr06	27049974	AA	CC	1940360845
SNP_P1_114127_27067743	NC_021165.1	Ca_kabuli_chr06	27067743	GG	AA	1940360846
SNP_P1_114128_27067792	NC_021165.1	Ca_kabuli_chr06	27067792	CC	TT	1940360848
SNP_P1_114129_27075333	NC_021165.1	Ca_kabuli_chr06	27075333	AA	GG	1940360850
SNP_P1_114130_27075424	NC_021165.1	Ca_kabuli_chr06	27075424	TT	AA	1940360852
SNP_P1_114131_27083870	NC_021165.1	Ca_kabuli_chr06	27083870	GG	AA	1940360853
SNP_P1_114132_27108197	NC_021165.1	Ca_kabuli_chr06	27108197	TT	GG	1940360855
SNP_P1_114133_27108207	NC_021165.1	Ca_kabuli_chr06	27108207	GG	AA	1940360857
SNP_P1_114134_27108240	NC_021165.1	Ca_kabuli_chr06	27108240	TT	AA	1940360859
SNP_P1_114137_27171319	NC_021165.1	Ca_kabuli_chr06	27171319	AA	TT	1940360860
SNP_P1_114138_27195950	NC_021165.1	Ca_kabuli_chr06	27195950	CC	AA	1940360862
SNP_P1_114139_27208662	NC_021165.1	Ca_kabuli_chr06	27208662	AA	TT	1940360864
SNP_P1_114140_27217471	NC_021165.1	Ca_kabuli_chr06	27217471	AA	TT	1940360866
SNP_P1_114141_27223933	NC_021165.1	Ca_kabuli_chr06	27223933	AA	TT	1940360867
SNP_P1_114142_27255598	NC_021165.1	Ca_kabuli_chr06	27255598	TT	CC	1940360869
SNP_P1_114143_27258135	NC_021165.1	Ca_kabuli_chr06	27258135	GG	TT	1940360871
SNP_P1_114144_27258795	NC_021165.1	Ca_kabuli_chr06	27258795	GG	AA	1940360873
SNP_P1_114145_27262207	NC_021165.1	Ca_kabuli_chr06	27262207	TT	AA	1940360874
SNP_P1_114149_27289118	NC_021165.1	Ca_kabuli_chr06	27289118	CC	GG	1940360876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114151_27297486	NC_021165.1	Ca_kabuli_chr06	27297486	TT	AA	1940360880
SNP_P1_114153_27343052	NC_021165.1	Ca_kabuli_chr06	27343052	AA	GG	1940360881
SNP_P1_114155_27476338	NC_021165.1	Ca_kabuli_chr06	27476338	GG	AA	1940360883
SNP_P1_114156_27479441	NC_021165.1	Ca_kabuli_chr06	27479441	TT	CC	1940360885
SNP_P1_114157_27479445	NC_021165.1	Ca_kabuli_chr06	27479445	TT	CC	1940360887
SNP_P1_114158_27485639	NC_021165.1	Ca_kabuli_chr06	27485639	AA	GG	1940360888
SNP_P1_114159_27500711	NC_021165.1	Ca_kabuli_chr06	27500711	CC	AA	1940360890
SNP_P1_114160_27503690	NC_021165.1	Ca_kabuli_chr06	27503690	TT	CC	1940360892
SNP_P1_114161_27503721	NC_021165.1	Ca_kabuli_chr06	27503721	TT	CC	1940360894
SNP_P1_114162_27503724	NC_021165.1	Ca_kabuli_chr06	27503724	CC	TT	1940360895
SNP_P1_114163_27503818	NC_021165.1	Ca_kabuli_chr06	27503818	TT	CC	1940360897
SNP_P1_114164_27505315	NC_021165.1	Ca_kabuli_chr06	27505315	GG	AA	1940360899
SNP_P1_114165_27505341	NC_021165.1	Ca_kabuli_chr06	27505341	AA	GG	1940360900
SNP_P1_114166_27515939	NC_021165.1	Ca_kabuli_chr06	27515939	GG	AA	1940360902
SNP_P1_114167_27519195	NC_021165.1	Ca_kabuli_chr06	27519195	AA	GG	1940360904
SNP_P1_114168_27522520	NC_021165.1	Ca_kabuli_chr06	27522520	TT	GG	1940360906
SNP_P1_114169_27522573	NC_021165.1	Ca_kabuli_chr06	27522573	TT	GG	1940360907
SNP_P1_114170_27540329	NC_021165.1	Ca_kabuli_chr06	27540329	TT	AA	1940360909
SNP_P1_114171_27540331	NC_021165.1	Ca_kabuli_chr06	27540331	AA	GG	1940360911
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SNP_P1_114183_27695977	NC_021165.1	Ca_kabuli_chr06	27695977	AA	TT	1940360927
SNP_P1_114184_27711799	NC_021165.1	Ca_kabuli_chr06	27711799	GG	AA	1940360928
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SNP_P1_114186_27738660	NC_021165.1	Ca_kabuli_chr06	27738660	CC	TT	1940360932
SNP_P1_114187_27738671	NC_021165.1	Ca_kabuli_chr06	27738671	CC	TT	1940360934
SNP_P1_114188_27738742	NC_021165.1	Ca_kabuli_chr06	27738742	TT	AA	1940360935
SNP_P1_114189_27740338	NC_021165.1	Ca_kabuli_chr06	27740338	GG	AA	1940360937
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SNP_P1_114195_27777350	NC_021165.1	Ca_kabuli_chr06	27777350	TT	CC	1940360946
SNP_P1_114196_27777485	NC_021165.1	Ca_kabuli_chr06	27777485	TT	CC	1940360948
SNP_P1_114197_27779290	NC_021165.1	Ca_kabuli_chr06	27779290	TT	CC	1940360949

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114201_27825713	NC_021165.1	Ca_kabuli_chr06	27825713	AA	GG	1940360955
SNP_P1_114202_27827631	NC_021165.1	Ca_kabuli_chr06	27827631	CC	TT	1940360956
SNP_P1_114203_27827654	NC_021165.1	Ca_kabuli_chr06	27827654	GG	AA	1940360958
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SNP_P1_114205_27832667	NC_021165.1	Ca_kabuli_chr06	27832667	GG	AA	1940360962
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SNP_P1_114208_27877171	NC_021165.1	Ca_kabuli_chr06	27877171	TT	AA	1940360967
SNP_P1_114209_27889354	NC_021165.1	Ca_kabuli_chr06	27889354	TT	CC	1940360969
SNP_P1_114210_27893584	NC_021165.1	Ca_kabuli_chr06	27893584	AA	GG	1940360970
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SNP_P1_114212_27902602	NC_021165.1	Ca_kabuli_chr06	27902602	CC	TT	1940360974
SNP_P1_114213_27902620	NC_021165.1	Ca_kabuli_chr06	27902620	GG	AA	1940360975
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SNP_P1_114215_27910476	NC_021165.1	Ca_kabuli_chr06	27910476	GG	TT	1940360979
SNP_P1_114216_27910486	NC_021165.1	Ca_kabuli_chr06	27910486	TT	CC	1940360981
SNP_P1_114217_27910524	NC_021165.1	Ca_kabuli_chr06	27910524	AA	CC	1940360982
SNP_P1_114218_27910529	NC_021165.1	Ca_kabuli_chr06	27910529	GG	TT	1940360984
SNP_P1_114219_27910552	NC_021165.1	Ca_kabuli_chr06	27910552	AA	TT	1940360986
SNP_P1_114220_27910558	NC_021165.1	Ca_kabuli_chr06	27910558	AA	GG	1940360988
SNP_P1_114221_27910573	NC_021165.1	Ca_kabuli_chr06	27910573	TT	CC	1940360989
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SNP_P1_114223_27910582	NC_021165.1	Ca_kabuli_chr06	27910582	TT	CC	1940360993
SNP_P1_114224_27910590	NC_021165.1	Ca_kabuli_chr06	27910590	AA	GG	1940360995
SNP_P1_114225_27910672	NC_021165.1	Ca_kabuli_chr06	27910672	TT	AA	1940360996
SNP_P1_114226_27910673	NC_021165.1	Ca_kabuli_chr06	27910673	GG	TT	1940360998
SNP_P1_114227_27910680	NC_021165.1	Ca_kabuli_chr06	27910680	CC	TT	1940361000
SNP_P1_114228_27918301	NC_021165.1	Ca_kabuli_chr06	27918301	GG	AA	1940361002
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SNP_P1_114231_27983793	NC_021165.1	Ca_kabuli_chr06	27983793	GG	TT	1940361005
SNP_P1_114232_27988914	NC_021165.1	Ca_kabuli_chr06	27988914	GG	AA	1940361007
SNP_P1_114233_27990042	NC_021165.1	Ca_kabuli_chr06	27990042	AA	TT	1940361009
SNP_P1_114234_27990043	NC_021165.1	Ca_kabuli_chr06	27990043	CC	AA	1940361010
SNP_P1_114236_27994836	NC_021165.1	Ca_kabuli_chr06	27994836	TT	AA	1940361012
SNP_P1_114237_28004803	NC_021165.1	Ca_kabuli_chr06	28004803	TT	CC	1940361014
SNP_P1_114240_28018489	NC_021165.1	Ca_kabuli_chr06	28018489	GG	AA	1940361016
SNP_P1_114244_28068553	NC_021165.1	Ca_kabuli_chr06	28068553	TT	GG	1940361017
SNP_P1_114245_28082992	NC_021165.1	Ca_kabuli_chr06	28082992	AA	TT	1940361019
SNP_P1_114247_28086482	NC_021165.1	Ca_kabuli_chr06	28086482	AA	CC	1940361021
SNP_P1_114250_28105954	NC_021165.1	Ca_kabuli_chr06	28105954	TT	AA	1940361023

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114252_28131878	NC_021165.1	Ca_kabuli_chr06	28131878	CC	AA	1940361026
SNP_P1_114253_28139262	NC_021165.1	Ca_kabuli_chr06	28139262	TT	CC	1940361028
SNP_P1_114254_28139279	NC_021165.1	Ca_kabuli_chr06	28139279	AA	GG	1940361029
SNP_P1_114255_28141785	NC_021165.1	Ca_kabuli_chr06	28141785	TT	CC	1940361031
SNP_P1_114256_28142209	NC_021165.1	Ca_kabuli_chr06	28142209	GG	AA	1940361033
SNP_P1_114257_28150141	NC_021165.1	Ca_kabuli_chr06	28150141	CC	AA	1940361035
SNP_P1_114258_28159260	NC_021165.1	Ca_kabuli_chr06	28159260	AA	GG	1940361036
SNP_P1_114260_28169762	NC_021165.1	Ca_kabuli_chr06	28169762	TT	CC	1940361038
SNP_P1_114262_28189242	NC_021165.1	Ca_kabuli_chr06	28189242	CC	AA	1940361040
SNP_P1_114263_28190159	NC_021165.1	Ca_kabuli_chr06	28190159	AA	TT	1940361042
SNP_P1_114264_28190298	NC_021165.1	Ca_kabuli_chr06	28190298	TT	AA	1940361043
SNP_P1_114267_28190987	NC_021165.1	Ca_kabuli_chr06	28190987	TT	AA	1940361045
SNP_P1_114268_28191009	NC_021165.1	Ca_kabuli_chr06	28191009	TT	AA	1940361048
SNP_P1_114269_28191044	NC_021165.1	Ca_kabuli_chr06	28191044	CC	AA	1940361049
SNP_P1_114270_28191069	NC_021165.1	Ca_kabuli_chr06	28191069	AA	TT	1940361051
SNP_P1_114271_28191552	NC_021165.1	Ca_kabuli_chr06	28191552	CC	GG	1940361053
SNP_P1_114272_28191672	NC_021165.1	Ca_kabuli_chr06	28191672	CC	TT	1940361055
SNP_P1_114273_28192208	NC_021165.1	Ca_kabuli_chr06	28192208	TT	CC	1940361056
SNP_P1_114275_28192404	NC_021165.1	Ca_kabuli_chr06	28192404	CC	TT	1940361058
SNP_P1_114276_28192424	NC_021165.1	Ca_kabuli_chr06	28192424	GG	AA	1940361060
SNP_P1_114277_28192527	NC_021165.1	Ca_kabuli_chr06	28192527	AA	CC	1940361061
SNP_P1_114278_28192544	NC_021165.1	Ca_kabuli_chr06	28192544	CC	TT	1940361063
SNP_P1_114279_28192873	NC_021165.1	Ca_kabuli_chr06	28192873	TT	GG	1940361065
SNP_P1_114280_28192875	NC_021165.1	Ca_kabuli_chr06	28192875	CC	GG	1940361067
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SNP_P1_114285_28221781	NC_021165.1	Ca_kabuli_chr06	28221781	AA	GG	1940361072
SNP_P1_114286_28226457	NC_021165.1	Ca_kabuli_chr06	28226457	CC	TT	1940361074
SNP_P1_114287_28233707	NC_021165.1	Ca_kabuli_chr06	28233707	AA	GG	1940361075
SNP_P1_114288_28237438	NC_021165.1	Ca_kabuli_chr06	28237438	AA	GG	1940361077
SNP_P1_114289_28237735	NC_021165.1	Ca_kabuli_chr06	28237735	TT	CC	1940361079
SNP_P1_114290_28244782	NC_021165.1	Ca_kabuli_chr06	28244782	GG	AA	1940361081
SNP_P1_114291_28246923	NC_021165.1	Ca_kabuli_chr06	28246923	CC	TT	1940361082
SNP_P1_114292_28255801	NC_021165.1	Ca_kabuli_chr06	28255801	AA	GG	1940361084
SNP_P1_114293_28259902	NC_021165.1	Ca_kabuli_chr06	28259902	AA	GG	1940361086
SNP_P1_114294_28263935	NC_021165.1	Ca_kabuli_chr06	28263935	AA	TT	1940361088
SNP_P1_114295_28275055	NC_021165.1	Ca_kabuli_chr06	28275055	GG	TT	1940361089
SNP_P1_114296_28275240	NC_021165.1	Ca_kabuli_chr06	28275240	CC	AA	1940361091
SNP_P1_114297_28275926	NC_021165.1	Ca_kabuli_chr06	28275926	TT	GG	1940361093
SNP_P1_114298_28275993	NC_021165.1	Ca_kabuli_chr06	28275993	TT	CC	1940361095
SNP_P1_114299_28276128	NC_021165.1	Ca_kabuli_chr06	28276128	AA	GG	1940361096

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114301_28276589	NC_021165.1	Ca_kabuli_chr06	28276589	AA	GG	1940361100
SNP_P1_114302_28276605	NC_021165.1	Ca_kabuli_chr06	28276605	TT	CC	1940361101
SNP_P1_114303_28283779	NC_021165.1	Ca_kabuli_chr06	28283779	GG	CC	1940361103
SNP_P1_114304_28293636	NC_021165.1	Ca_kabuli_chr06	28293636	TT	CC	1940361105
SNP_P1_114305_28293684	NC_021165.1	Ca_kabuli_chr06	28293684	CC	TT	1940361107
SNP_P1_114306_28293900	NC_021165.1	Ca_kabuli_chr06	28293900	TT	GG	1940361108
SNP_P1_114307_28294074	NC_021165.1	Ca_kabuli_chr06	28294074	AA	GG	1940361110
SNP_P1_114308_28294084	NC_021165.1	Ca_kabuli_chr06	28294084	GG	TT	1940361112
SNP_P1_114309_28300895	NC_021165.1	Ca_kabuli_chr06	28300895	AA	GG	1940361114
SNP_P1_114310_28300897	NC_021165.1	Ca_kabuli_chr06	28300897	CC	TT	1940361115
SNP_P1_114311_28301337	NC_021165.1	Ca_kabuli_chr06	28301337	TT	AA	1940361117
SNP_P1_114312_28301377	NC_021165.1	Ca_kabuli_chr06	28301377	AA	GG	1940361119
SNP_P1_114314_28305166	NC_021165.1	Ca_kabuli_chr06	28305166	TT	CC	1940361121
SNP_P1_114315_28305411	NC_021165.1	Ca_kabuli_chr06	28305411	GG	TT	1940361122
SNP_P1_114316_28305434	NC_021165.1	Ca_kabuli_chr06	28305434	GG	CC	1940361124
SNP_P1_114317_28305494	NC_021165.1	Ca_kabuli_chr06	28305494	TT	CC	1940361126
SNP_P1_114318_28305498	NC_021165.1	Ca_kabuli_chr06	28305498	GG	AA	1940361128
SNP_P1_114319_28305516	NC_021165.1	Ca_kabuli_chr06	28305516	TT	AA	1940361129
SNP_P1_114320_28305519	NC_021165.1	Ca_kabuli_chr06	28305519	TT	AA	1940361131
SNP_P1_114321_28308290	NC_021165.1	Ca_kabuli_chr06	28308290	CC	AA	1940361133
SNP_P1_114322_28308301	NC_021165.1	Ca_kabuli_chr06	28308301	CC	AA	1940361135
SNP_P1_114323_28308320	NC_021165.1	Ca_kabuli_chr06	28308320	TT	AA	1940361136
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SNP_P1_114325_28323143	NC_021165.1	Ca_kabuli_chr06	28323143	CC	TT	1940361140
SNP_P1_114326_28323750	NC_021165.1	Ca_kabuli_chr06	28323750	GG	TT	1940361142
SNP_P1_114327_28323869	NC_021165.1	Ca_kabuli_chr06	28323869	CC	GG	1940361143
SNP_P1_114328_28323948	NC_021165.1	Ca_kabuli_chr06	28323948	CC	TT	1940361145
SNP_P1_114329_28323949	NC_021165.1	Ca_kabuli_chr06	28323949	GG	TT	1940361147
SNP_P1_114330_28324162	NC_021165.1	Ca_kabuli_chr06	28324162	TT	CC	1940361149
SNP_P1_114331_28324623	NC_021165.1	Ca_kabuli_chr06	28324623	CC	TT	1940361150
SNP_P1_114332_28324811	NC_021165.1	Ca_kabuli_chr06	28324811	TT	GG	1940361152
SNP_P1_114333_28326153	NC_021165.1	Ca_kabuli_chr06	28326153	AA	GG	1940361154
SNP_P1_114335_28327235	NC_021165.1	Ca_kabuli_chr06	28327235	GG	AA	1940361155
SNP_P1_114337_28328440	NC_021165.1	Ca_kabuli_chr06	28328440	CC	AA	1940361157
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SNP_P1_114339_28328835	NC_021165.1	Ca_kabuli_chr06	28328835	TT	CC	1940361161
SNP_P1_114340_28328876	NC_021165.1	Ca_kabuli_chr06	28328876	AA	CC	1940361162
SNP_P1_114341_28330901	NC_021165.1	Ca_kabuli_chr06	28330901	TT	AA	1940361164
SNP_P1_114342_28330934	NC_021165.1	Ca_kabuli_chr06	28330934	AA	GG	1940361166
SNP_P1_114343_28331101	NC_021165.1	Ca_kabuli_chr06	28331101	TT	CC	1940361168
SNP_P1_114344_28331109	NC_021165.1	Ca_kabuli_chr06	28331109	CC	TT	1940361169

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114346_28331136	NC_021165.1	Ca_kabuli_chr06	28331136	TT	CC	1940361173
SNP_P1_114347_28331508	NC_021165.1	Ca_kabuli_chr06	28331508	TT	AA	1940361175
SNP_P1_114348_28331526	NC_021165.1	Ca_kabuli_chr06	28331526	TT	CC	1940361176
SNP_P1_114349_28331555	NC_021165.1	Ca_kabuli_chr06	28331555	TT	CC	1940361178
SNP_P1_114350_28331820	NC_021165.1	Ca_kabuli_chr06	28331820	CC	TT	1940361180
SNP_P1_114351_28331830	NC_021165.1	Ca_kabuli_chr06	28331830	CC	TT	1940361182
SNP_P1_114352_28332044	NC_021165.1	Ca_kabuli_chr06	28332044	CC	AA	1940361183
SNP_P1_114353_28332074	NC_021165.1	Ca_kabuli_chr06	28332074	AA	GG	1940361185
SNP_P1_114354_28332107	NC_021165.1	Ca_kabuli_chr06	28332107	TT	GG	1940361187
SNP_P1_114355_28332112	NC_021165.1	Ca_kabuli_chr06	28332112	CC	AA	1940361189
SNP_P1_114356_28332163	NC_021165.1	Ca_kabuli_chr06	28332163	CC	TT	1940361190
SNP_P1_114357_28332259	NC_021165.1	Ca_kabuli_chr06	28332259	TT	GG	1940361192
SNP_P1_114358_28332269	NC_021165.1	Ca_kabuli_chr06	28332269	AA	TT	1940361194
SNP_P1_114360_28332367	NC_021165.1	Ca_kabuli_chr06	28332367	AA	CC	1940361196
SNP_P1_114361_28332422	NC_021165.1	Ca_kabuli_chr06	28332422	TT	CC	1940361197
SNP_P1_114362_28332424	NC_021165.1	Ca_kabuli_chr06	28332424	GG	AA	1940361199
SNP_P1_114363_28332469	NC_021165.1	Ca_kabuli_chr06	28332469	CC	AA	1940361201
SNP_P1_114364_28332483	NC_021165.1	Ca_kabuli_chr06	28332483	GG	TT	1940361203
SNP_P1_114365_28332550	NC_021165.1	Ca_kabuli_chr06	28332550	AA	GG	1940361204
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SNP_P1_114368_28332621	NC_021165.1	Ca_kabuli_chr06	28332621	TT	AA	1940361208
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SNP_P1_114370_28332647	NC_021165.1	Ca_kabuli_chr06	28332647	CC	GG	1940361211
SNP_P1_114372_28332660	NC_021165.1	Ca_kabuli_chr06	28332660	AA	GG	1940361213
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SNP_P1_114377_28332774	NC_021165.1	Ca_kabuli_chr06	28332774	CC	TT	1940361220
SNP_P1_114378_28332786	NC_021165.1	Ca_kabuli_chr06	28332786	GG	AA	1940361222
SNP_P1_114380_28332883	NC_021165.1	Ca_kabuli_chr06	28332883	TT	CC	1940361223
SNP_P1_114381_28332935	NC_021165.1	Ca_kabuli_chr06	28332935	GG	AA	1940361225
SNP_P1_114383_28333063	NC_021165.1	Ca_kabuli_chr06	28333063	AA	GG	1940361227
SNP_P1_114384_28333177	NC_021165.1	Ca_kabuli_chr06	28333177	AA	GG	1940361229
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SNP_P1_114386_28333671	NC_021165.1	Ca_kabuli_chr06	28333671	GG	AA	1940361232
SNP_P1_114387_28334226	NC_021165.1	Ca_kabuli_chr06	28334226	TT	CC	1940361234
SNP_P1_114388_28335846	NC_021165.1	Ca_kabuli_chr06	28335846	GG	AA	1940361236
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SNP_P1_114391_28336773	NC_021165.1	Ca_kabuli_chr06	28336773	CC	TT	1940361239
SNP_P1_114392_28336795	NC_021165.1	Ca_kabuli_chr06	28336795	GG	TT	1940361241
SNP_P1_114393_28336872	NC_021165.1	Ca_kabuli_chr06	28336872	AA	CC	1940361243

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114395_28336896	NC_021165.1	Ca_kabuli_chr06	28336896	TT	AA	1940361246
SNP_P1_114396_28336902	NC_021165.1	Ca_kabuli_chr06	28336902	GG	AA	1940361248
SNP_P1_114397_28336938	NC_021165.1	Ca_kabuli_chr06	28336938	TT	GG	1940361250
SNP_P1_114398_28336951	NC_021165.1	Ca_kabuli_chr06	28336951	CC	TT	1940361251
SNP_P1_114399_28336967	NC_021165.1	Ca_kabuli_chr06	28336967	TT	CC	1940361253
SNP_P1_114400_28336971	NC_021165.1	Ca_kabuli_chr06	28336971	TT	CC	1940361255
SNP_P1_114401_28336980	NC_021165.1	Ca_kabuli_chr06	28336980	TT	AA	1940361257
SNP_P1_114402_28337031	NC_021165.1	Ca_kabuli_chr06	28337031	GG	AA	1940361258
SNP_P1_114403_28337049	NC_021165.1	Ca_kabuli_chr06	28337049	CC	AA	1940361260
SNP_P1_114404_28337130	NC_021165.1	Ca_kabuli_chr06	28337130	CC	AA	1940361262
SNP_P1_114405_28337162	NC_021165.1	Ca_kabuli_chr06	28337162	GG	TT	1940361264
SNP_P1_114406_28337170	NC_021165.1	Ca_kabuli_chr06	28337170	CC	GG	1940361265
SNP_P1_114407_28337205	NC_021165.1	Ca_kabuli_chr06	28337205	TT	CC	1940361267
SNP_P1_114408_28337230	NC_021165.1	Ca_kabuli_chr06	28337230	GG	AA	1940361269
SNP_P1_114409_28337239	NC_021165.1	Ca_kabuli_chr06	28337239	AA	GG	1940361271
SNP_P1_114410_28337254	NC_021165.1	Ca_kabuli_chr06	28337254	GG	TT	1940361272
SNP_P1_114411_28337297	NC_021165.1	Ca_kabuli_chr06	28337297	TT	GG	1940361274
SNP_P1_114412_28337316	NC_021165.1	Ca_kabuli_chr06	28337316	GG	AA	1940361276
SNP_P1_114413_28337362	NC_021165.1	Ca_kabuli_chr06	28337362	GG	TT	1940361278
SNP_P1_114414_28337375	NC_021165.1	Ca_kabuli_chr06	28337375	TT	AA	1940361279
SNP_P1_114415_28337396	NC_021165.1	Ca_kabuli_chr06	28337396	CC	TT	1940361281
SNP_P1_114416_28337406	NC_021165.1	Ca_kabuli_chr06	28337406	AA	GG	1940361283
SNP_P1_114417_28337440	NC_021165.1	Ca_kabuli_chr06	28337440	CC	TT	1940361284
SNP_P1_114418_28337466	NC_021165.1	Ca_kabuli_chr06	28337466	GG	AA	1940361286
SNP_P1_114419_28337480	NC_021165.1	Ca_kabuli_chr06	28337480	CC	TT	1940361288
SNP_P1_114420_28337570	NC_021165.1	Ca_kabuli_chr06	28337570	AA	GG	1940361290
SNP_P1_114421_28339616	NC_021165.1	Ca_kabuli_chr06	28339616	TT	GG	1940361291
SNP_P1_114422_28344622	NC_021165.1	Ca_kabuli_chr06	28344622	CC	AA	1940361293
SNP_P1_114423_28347187	NC_021165.1	Ca_kabuli_chr06	28347187	GG	AA	1940361295
SNP_P1_114424_28347190	NC_021165.1	Ca_kabuli_chr06	28347190	TT	CC	1940361297
SNP_P1_114425_28350715	NC_021165.1	Ca_kabuli_chr06	28350715	GG	AA	1940361298
SNP_P1_114426_28350872	NC_021165.1	Ca_kabuli_chr06	28350872	TT	CC	1940361300
SNP_P1_114427_28350958	NC_021165.1	Ca_kabuli_chr06	28350958	TT	CC	1940361302
SNP_P1_114428_28350993	NC_021165.1	Ca_kabuli_chr06	28350993	AA	GG	1940361304
SNP_P1_114429_28351061	NC_021165.1	Ca_kabuli_chr06	28351061	CC	AA	1940361305
SNP_P1_114430_28351228	NC_021165.1	Ca_kabuli_chr06	28351228	GG	AA	1940361307
SNP_P1_114431_28351378	NC_021165.1	Ca_kabuli_chr06	28351378	CC	TT	1940361309
SNP_P1_114432_28353434	NC_021165.1	Ca_kabuli_chr06	28353434	AA	TT	1940361311
SNP_P1_114433_28353709	NC_021165.1	Ca_kabuli_chr06	28353709	AA	GG	1940361312
SNP_P1_114434_28354240	NC_021165.1	Ca_kabuli_chr06	28354240	CC	AA	1940361314
SNP_P1_114435_28354495	NC_021165.1	Ca_kabuli_chr06	28354495	GG	TT	1940361316

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114437_28354828	NC_021165.1	Ca_kabuli_chr06	28354828	TT	CC	1940361319
SNP_P1_114439_28355011	NC_021165.1	Ca_kabuli_chr06	28355011	TT	CC	1940361321
SNP_P1_114440_28355086	NC_021165.1	Ca_kabuli_chr06	28355086	GG	AA	1940361323
SNP_P1_114441_28355195	NC_021165.1	Ca_kabuli_chr06	28355195	GG	TT	1940361325
SNP_P1_114442_28355225	NC_021165.1	Ca_kabuli_chr06	28355225	TT	AA	1940361326
SNP_P1_114443_28355507	NC_021165.1	Ca_kabuli_chr06	28355507	GG	AA	1940361328
SNP_P1_114444_28355844	NC_021165.1	Ca_kabuli_chr06	28355844	CC	TT	1940361330
SNP_P1_114445_28356046	NC_021165.1	Ca_kabuli_chr06	28356046	AA	GG	1940361332
SNP_P1_114446_28356229	NC_021165.1	Ca_kabuli_chr06	28356229	TT	AA	1940361333
SNP_P1_114447_28356270	NC_021165.1	Ca_kabuli_chr06	28356270	CC	TT	1940361335
SNP_P1_114448_28356412	NC_021165.1	Ca_kabuli_chr06	28356412	GG	AA	1940361337
SNP_P1_114449_28374004	NC_021165.1	Ca_kabuli_chr06	28374004	AA	GG	1940361339
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SNP_P1_114458_28394270	NC_021165.1	Ca_kabuli_chr06	28394270	TT	CC	1940361352
SNP_P1_114459_28394324	NC_021165.1	Ca_kabuli_chr06	28394324	AA	GG	1940361354
SNP_P1_114460_28394331	NC_021165.1	Ca_kabuli_chr06	28394331	GG	AA	1940361356
SNP_P1_114461_28394376	NC_021165.1	Ca_kabuli_chr06	28394376	TT	AA	1940361358
SNP_P1_114462_28394621	NC_021165.1	Ca_kabuli_chr06	28394621	AA	TT	1940361359
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SNP_P1_114467_28427509	NC_021165.1	Ca_kabuli_chr06	28427509	AA	TT	1940361368
SNP_P1_114468_28427640	NC_021165.1	Ca_kabuli_chr06	28427640	GG	AA	1940361370
SNP_P1_114469_28431056	NC_021165.1	Ca_kabuli_chr06	28431056	GG	TT	1940361372
SNP_P1_114470_28433491	NC_021165.1	Ca_kabuli_chr06	28433491	AA	GG	1940361373
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SNP_P1_114472_28440058	NC_021165.1	Ca_kabuli_chr06	28440058	TT	CC	1940361377
SNP_P1_114473_28441963	NC_021165.1	Ca_kabuli_chr06	28441963	CC	TT	1940361379
SNP_P1_114474_28441968	NC_021165.1	Ca_kabuli_chr06	28441968	AA	TT	1940361380
SNP_P1_114475_28442088	NC_021165.1	Ca_kabuli_chr06	28442088	TT	CC	1940361382
SNP_P1_114476_28442150	NC_021165.1	Ca_kabuli_chr06	28442150	CC	TT	1940361384
SNP_P1_114477_28442157	NC_021165.1	Ca_kabuli_chr06	28442157	CC	TT	1940361386
SNP_P1_114478_28442161	NC_021165.1	Ca_kabuli_chr06	28442161	GG	AA	1940361387
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114482_28442900	NC_021165.1	Ca_kabuli_chr06	28442900	CC	TT	1940361394
SNP_P1_114483_28443046	NC_021165.1	Ca_kabuli_chr06	28443046	TT	CC	1940361396
SNP_P1_114484_28443119	NC_021165.1	Ca_kabuli_chr06	28443119	TT	CC	1940361398
SNP_P1_114485_28443167	NC_021165.1	Ca_kabuli_chr06	28443167	TT	AA	1940361400
SNP_P1_114486_28443182	NC_021165.1	Ca_kabuli_chr06	28443182	GG	AA	1940361401
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SNP_P1_114488_28443368	NC_021165.1	Ca_kabuli_chr06	28443368	GG	TT	1940361405
SNP_P1_114490_28443714	NC_021165.1	Ca_kabuli_chr06	28443714	TT	CC	1940361407
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SNP_P1_114492_28443861	NC_021165.1	Ca_kabuli_chr06	28443861	CC	TT	1940361410
SNP_P1_114493_28443917	NC_021165.1	Ca_kabuli_chr06	28443917	AA	TT	1940361412
SNP_P1_114494_28443918	NC_021165.1	Ca_kabuli_chr06	28443918	TT	AA	1940361413
SNP_P1_114495_28444022	NC_021165.1	Ca_kabuli_chr06	28444022	CC	TT	1940361415
SNP_P1_114496_28444079	NC_021165.1	Ca_kabuli_chr06	28444079	CC	GG	1940361417
SNP_P1_114497_28444153	NC_021165.1	Ca_kabuli_chr06	28444153	CC	TT	1940361419
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SNP_P1_114501_28444517	NC_021165.1	Ca_kabuli_chr06	28444517	CC	TT	1940361426
SNP_P1_114502_28444553	NC_021165.1	Ca_kabuli_chr06	28444553	AA	GG	1940361427
SNP_P1_114503_28444562	NC_021165.1	Ca_kabuli_chr06	28444562	AA	CC	1940361429
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SNP_P1_114510_28451493	NC_021165.1	Ca_kabuli_chr06	28451493	TT	AA	1940361440
SNP_P1_114511_28479232	NC_021165.1	Ca_kabuli_chr06	28479232	AA	GG	1940361441
SNP_P1_114513_28483948	NC_021165.1	Ca_kabuli_chr06	28483948	GG	AA	1940361443
SNP_P1_114514_28483957	NC_021165.1	Ca_kabuli_chr06	28483957	CC	GG	1940361445
SNP_P1_114515_28484025	NC_021165.1	Ca_kabuli_chr06	28484025	TT	AA	1940361447
SNP_P1_114516_28484026	NC_021165.1	Ca_kabuli_chr06	28484026	AA	TT	1940361448
SNP_P1_114517_28493011	NC_021165.1	Ca_kabuli_chr06	28493011	GG	AA	1940361450
SNP_P1_114518_28495855	NC_021165.1	Ca_kabuli_chr06	28495855	GG	AA	1940361452
SNP_P1_114519_28495983	NC_021165.1	Ca_kabuli_chr06	28495983	TT	CC	1940361454
SNP_P1_114520_28495997	NC_021165.1	Ca_kabuli_chr06	28495997	CC	TT	1940361455
SNP_P1_114521_28496183	NC_021165.1	Ca_kabuli_chr06	28496183	AA	TT	1940361457
SNP_P1_114522_28496193	NC_021165.1	Ca_kabuli_chr06	28496193	GG	TT	1940361459
SNP_P1_114523_28501542	NC_021165.1	Ca_kabuli_chr06	28501542	AA	GG	1940361461
SNP_P1_114524_28503425	NC_021165.1	Ca_kabuli_chr06	28503425	AA	CC	1940361462

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114527_28503574	NC_021165.1	Ca_kabuli_chr06	28503574	GG	AA	1940361466
SNP_P1_114528_28503750	NC_021165.1	Ca_kabuli_chr06	28503750	AA	GG	1940361468
SNP_P1_114529_28504112	NC_021165.1	Ca_kabuli_chr06	28504112	GG	AA	1940361469
SNP_P1_114530_28504144	NC_021165.1	Ca_kabuli_chr06	28504144	TT	CC	1940361471
SNP_P1_114531_28504160	NC_021165.1	Ca_kabuli_chr06	28504160	TT	AA	1940361473
SNP_P1_114532_28509462	NC_021165.1	Ca_kabuli_chr06	28509462	TT	GG	1940361475
SNP_P1_114533_28511308	NC_021165.1	Ca_kabuli_chr06	28511308	TT	GG	1940361476
SNP_P1_114534_28511331	NC_021165.1	Ca_kabuli_chr06	28511331	AA	CC	1940361478
SNP_P1_114535_28511348	NC_021165.1	Ca_kabuli_chr06	28511348	TT	AA	1940361480
SNP_P1_114536_28511349	NC_021165.1	Ca_kabuli_chr06	28511349	GG	TT	1940361482
SNP_P1_114537_28511406	NC_021165.1	Ca_kabuli_chr06	28511406	GG	AA	1940361483
SNP_P1_114538_28511416	NC_021165.1	Ca_kabuli_chr06	28511416	CC	TT	1940361485
SNP_P1_114539_28511437	NC_021165.1	Ca_kabuli_chr06	28511437	TT	CC	1940361487
SNP_P1_114540_28511442	NC_021165.1	Ca_kabuli_chr06	28511442	TT	CC	1940361489
SNP_P1_114541_28511443	NC_021165.1	Ca_kabuli_chr06	28511443	AA	GG	1940361490
SNP_P1_114542_28511465	NC_021165.1	Ca_kabuli_chr06	28511465	GG	AA	1940361492
SNP_P1_114543_28511705	NC_021165.1	Ca_kabuli_chr06	28511705	CC	AA	1940361494
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SNP_P1_114546_28513487	NC_021165.1	Ca_kabuli_chr06	28513487	GG	TT	1940361497
SNP_P1_114547_28513491	NC_021165.1	Ca_kabuli_chr06	28513491	TT	CC	1940361499
SNP_P1_114548_28513522	NC_021165.1	Ca_kabuli_chr06	28513522	CC	AA	1940361501
SNP_P1_114550_28513971	NC_021165.1	Ca_kabuli_chr06	28513971	TT	AA	1940361503
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SNP_P1_114554_28514218	NC_021165.1	Ca_kabuli_chr06	28514218	AA	TT	1940361510
SNP_P1_114557_28518347	NC_021165.1	Ca_kabuli_chr06	28518347	GG	AA	1940361511
SNP_P1_114558_28520805	NC_021165.1	Ca_kabuli_chr06	28520805	TT	GG	1940361513
SNP_P1_114560_28520904	NC_021165.1	Ca_kabuli_chr06	28520904	TT	CC	1940361515
SNP_P1_114564_28521046	NC_021165.1	Ca_kabuli_chr06	28521046	CC	TT	1940361517
SNP_P1_114566_28521101	NC_021165.1	Ca_kabuli_chr06	28521101	TT	CC	1940361518
SNP_P1_114567_28521107	NC_021165.1	Ca_kabuli_chr06	28521107	TT	CC	1940361520
SNP_P1_114568_28521115	NC_021165.1	Ca_kabuli_chr06	28521115	GG	AA	1940361522
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SNP_P1_114573_28521575	NC_021165.1	Ca_kabuli_chr06	28521575	AA	CC	1940361530
SNP_P1_114574_28521576	NC_021165.1	Ca_kabuli_chr06	28521576	AA	TT	1940361532
SNP_P1_114575_28521599	NC_021165.1	Ca_kabuli_chr06	28521599	TT	AA	1940361534
SNP_P1_114576_28521788	NC_021165.1	Ca_kabuli_chr06	28521788	AA	GG	1940361536

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114578_28537120	NC_021165.1	Ca_kabuli_chr06	28537120	CC	GG	1940361539
SNP_P1_114579_28537166	NC_021165.1	Ca_kabuli_chr06	28537166	AA	CC	1940361541
SNP_P1_114581_28537257	NC_021165.1	Ca_kabuli_chr06	28537257	TT	CC	1940361543
SNP_P1_114582_28542644	NC_021165.1	Ca_kabuli_chr06	28542644	GG	TT	1940361544
SNP_P1_114584_28546529	NC_021165.1	Ca_kabuli_chr06	28546529	CC	GG	1940361546
SNP_P1_114585_28546531	NC_021165.1	Ca_kabuli_chr06	28546531	CC	AA	1940361548
SNP_P1_114586_28546967	NC_021165.1	Ca_kabuli_chr06	28546967	GG	AA	1940361550
SNP_P1_114587_28548063	NC_021165.1	Ca_kabuli_chr06	28548063	TT	AA	1940361551
SNP_P1_114588_28571856	NC_021165.1	Ca_kabuli_chr06	28571856	TT	GG	1940361553
SNP_P1_114589_28571858	NC_021165.1	Ca_kabuli_chr06	28571858	AA	GG	1940361555
SNP_P1_114590_28603591	NC_021165.1	Ca_kabuli_chr06	28603591	GG	AA	1940361557
SNP_P1_114591_28603651	NC_021165.1	Ca_kabuli_chr06	28603651	AA	TT	1940361558
SNP_P1_114592_28606807	NC_021165.1	Ca_kabuli_chr06	28606807	TT	CC	1940361560
SNP_P1_114595_28624485	NC_021165.1	Ca_kabuli_chr06	28624485	AA	TT	1940361562
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SNP_P1_114601_28644534	NC_021165.1	Ca_kabuli_chr06	28644534	CC	AA	1940361572
SNP_P1_114602_28644615	NC_021165.1	Ca_kabuli_chr06	28644615	AA	GG	1940361574
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SNP_P1_114609_28644977	NC_021165.1	Ca_kabuli_chr06	28644977	AA	TT	1940361586
SNP_P1_114610_28645024	NC_021165.1	Ca_kabuli_chr06	28645024	GG	AA	1940361588
SNP_P1_114611_28653491	NC_021165.1	Ca_kabuli_chr06	28653491	TT	AA	1940361590
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SNP_P1_114614_28712659	NC_021165.1	Ca_kabuli_chr06	28712659	AA	GG	1940361593
SNP_P1_114615_28747627	NC_021165.1	Ca_kabuli_chr06	28747627	TT	GG	1940361595
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SNP_P1_114617_28747641	NC_021165.1	Ca_kabuli_chr06	28747641	AA	GG	1940361598
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SNP_P1_114620_28747675	NC_021165.1	Ca_kabuli_chr06	28747675	CC	TT	1940361604
SNP_P1_114621_28780771	NC_021165.1	Ca_kabuli_chr06	28780771	CC	TT	1940361605
SNP_P1_114622_28796614	NC_021165.1	Ca_kabuli_chr06	28796614	TT	CC	1940361607
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114626_28821608	NC_021165.1	Ca_kabuli_chr06	28821608	TT	AA	1940361614
SNP_P1_114627_28821723	NC_021165.1	Ca_kabuli_chr06	28821723	TT	CC	1940361616
SNP_P1_114628_28821765	NC_021165.1	Ca_kabuli_chr06	28821765	TT	CC	1940361618
SNP_P1_114629_28821825	NC_021165.1	Ca_kabuli_chr06	28821825	TT	CC	1940361619
SNP_P1_114630_28821961	NC_021165.1	Ca_kabuli_chr06	28821961	GG	AA	1940361621
SNP_P1_114631_28821968	NC_021165.1	Ca_kabuli_chr06	28821968	TT	CC	1940361623
SNP_P1_114632_28821974	NC_021165.1	Ca_kabuli_chr06	28821974	CC	TT	1940361625
SNP_P1_114633_28821985	NC_021165.1	Ca_kabuli_chr06	28821985	CC	TT	1940361626
SNP_P1_114634_28821986	NC_021165.1	Ca_kabuli_chr06	28821986	AA	GG	1940361628
SNP_P1_114635_28822021	NC_021165.1	Ca_kabuli_chr06	28822021	TT	GG	1940361630
SNP_P1_114636_28822053	NC_021165.1	Ca_kabuli_chr06	28822053	AA	CC	1940361632
SNP_P1_114637_28822090	NC_021165.1	Ca_kabuli_chr06	28822090	AA	GG	1940361633
SNP_P1_114638_28822093	NC_021165.1	Ca_kabuli_chr06	28822093	AA	GG	1940361635
SNP_P1_114639_28822113	NC_021165.1	Ca_kabuli_chr06	28822113	GG	AA	1940361637
SNP_P1_114640_28822172	NC_021165.1	Ca_kabuli_chr06	28822172	TT	GG	1940361638
SNP_P1_114641_28822184	NC_021165.1	Ca_kabuli_chr06	28822184	AA	GG	1940361640
SNP_P1_114642_28822193	NC_021165.1	Ca_kabuli_chr06	28822193	AA	GG	1940361642
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SNP_P1_114644_28825491	NC_021165.1	Ca_kabuli_chr06	28825491	TT	AA	1940361645
SNP_P1_114647_28874617	NC_021165.1	Ca_kabuli_chr06	28874617	GG	AA	1940361647
SNP_P1_114648_28878917	NC_021165.1	Ca_kabuli_chr06	28878917	TT	CC	1940361649
SNP_P1_114649_28911257	NC_021165.1	Ca_kabuli_chr06	28911257	CC	TT	1940361651
SNP_P1_114650_28911504	NC_021165.1	Ca_kabuli_chr06	28911504	TT	CC	1940361652
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SNP_P1_114654_28970852	NC_021165.1	Ca_kabuli_chr06	28970852	TT	AA	1940361656
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SNP_P1_114657_28978805	NC_021165.1	Ca_kabuli_chr06	28978805	TT	CC	1940361659
SNP_P1_114659_28985265	NC_021165.1	Ca_kabuli_chr06	28985265	CC	TT	1940361661
SNP_P1_114660_28996619	NC_021165.1	Ca_kabuli_chr06	28996619	AA	GG	1940361663
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SNP_P1_114662_29011331	NC_021165.1	Ca_kabuli_chr06	29011331	GG	TT	1940361666
SNP_P1_114663_29011381	NC_021165.1	Ca_kabuli_chr06	29011381	TT	CC	1940361668
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SNP_P1_114667_29063220	NC_021165.1	Ca_kabuli_chr06	29063220	TT	CC	1940361675
SNP_P1_114668_29063269	NC_021165.1	Ca_kabuli_chr06	29063269	AA	GG	1940361677
SNP_P1_114669_29063418	NC_021165.1	Ca_kabuli_chr06	29063418	CC	AA	1940361679
SNP_P1_114670_29063428	NC_021165.1	Ca_kabuli_chr06	29063428	AA	GG	1940361680
SNP_P1_114671_29063581	NC_021165.1	Ca_kabuli_chr06	29063581	GG	AA	1940361682

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114674_29063832	NC_021165.1	Ca_kabuli_chr06	29063832	TT	AA	1940361687
SNP_P1_114675_29070943	NC_021165.1	Ca_kabuli_chr06	29070943	GG	AA	1940361689
SNP_P1_114676_29070944	NC_021165.1	Ca_kabuli_chr06	29070944	CC	TT	1940361691
SNP_P1_114677_29075918	NC_021165.1	Ca_kabuli_chr06	29075918	AA	CC	1940361693
SNP_P1_114678_29077288	NC_021165.1	Ca_kabuli_chr06	29077288	GG	TT	1940361694
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SNP_P1_114680_29145891	NC_021165.1	Ca_kabuli_chr06	29145891	TT	CC	1940361698
SNP_P1_114683_29151009	NC_021165.1	Ca_kabuli_chr06	29151009	AA	GG	1940361700
SNP_P1_114684_29151837	NC_021165.1	Ca_kabuli_chr06	29151837	AA	TT	1940361701
SNP_P1_114685_29164509	NC_021165.1	Ca_kabuli_chr06	29164509	AA	CC	1940361703
SNP_P1_114687_29177617	NC_021165.1	Ca_kabuli_chr06	29177617	AA	CC	1940361705
SNP_P1_114688_29177662	NC_021165.1	Ca_kabuli_chr06	29177662	AA	GG	1940361707
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SNP_P1_114695_29179601	NC_021165.1	Ca_kabuli_chr06	29179601	AA	GG	1940361719
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SNP_P1_114702_29185197	NC_021165.1	Ca_kabuli_chr06	29185197	AA	TT	1940361731
SNP_P1_114703_29185203	NC_021165.1	Ca_kabuli_chr06	29185203	TT	CC	1940361733
SNP_P1_114704_29185206	NC_021165.1	Ca_kabuli_chr06	29185206	GG	AA	1940361734
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SNP_P1_114706_29185224	NC_021165.1	Ca_kabuli_chr06	29185224	TT	AA	1940361738
SNP_P1_114707_29185239	NC_021165.1	Ca_kabuli_chr06	29185239	CC	TT	1940361740
SNP_P1_114708_29185240	NC_021165.1	Ca_kabuli_chr06	29185240	CC	TT	1940361741
SNP_P1_114709_29185241	NC_021165.1	Ca_kabuli_chr06	29185241	AA	TT	1940361743
SNP_P1_114710_29185257	NC_021165.1	Ca_kabuli_chr06	29185257	TT	AA	1940361745
SNP_P1_114711_29185291	NC_021165.1	Ca_kabuli_chr06	29185291	GG	CC	1940361747
SNP_P1_114712_29185292	NC_021165.1	Ca_kabuli_chr06	29185292	CC	TT	1940361748
SNP_P1_114713_29185312	NC_021165.1	Ca_kabuli_chr06	29185312	CC	TT	1940361750
SNP_P1_114714_29185313	NC_021165.1	Ca_kabuli_chr06	29185313	AA	CC	1940361752
SNP_P1_114715_29185315	NC_021165.1	Ca_kabuli_chr06	29185315	CC	AA	1940361753
SNP_P1_114716_29185318	NC_021165.1	Ca_kabuli_chr06	29185318	AA	GG	1940361755

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114719_29191424	NC_021165.1	Ca_kabuli_chr06	29191424	TT	GG	1940361760
SNP_P1_114720_29194241	NC_021165.1	Ca_kabuli_chr06	29194241	AA	TT	1940361762
SNP_P1_114721_29194244	NC_021165.1	Ca_kabuli_chr06	29194244	TT	GG	1940361764
SNP_P1_114723_29225943	NC_021165.1	Ca_kabuli_chr06	29225943	TT	CC	1940361766
SNP_P1_114724_29229412	NC_021165.1	Ca_kabuli_chr06	29229412	GG	AA	1940361767
SNP_P1_114725_29229711	NC_021165.1	Ca_kabuli_chr06	29229711	TT	GG	1940361769
SNP_P1_114726_29229794	NC_021165.1	Ca_kabuli_chr06	29229794	TT	GG	1940361771
SNP_P1_114728_29233645	NC_021165.1	Ca_kabuli_chr06	29233645	GG	AA	1940361773
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SNP_P1_114731_29283571	NC_021165.1	Ca_kabuli_chr06	29283571	GG	AA	1940361778
SNP_P1_114732_29290532	NC_021165.1	Ca_kabuli_chr06	29290532	TT	AA	1940361780
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SNP_P1_114734_29290931	NC_021165.1	Ca_kabuli_chr06	29290931	CC	TT	1940361783
SNP_P1_114735_29290938	NC_021165.1	Ca_kabuli_chr06	29290938	TT	CC	1940361785
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SNP_P1_114737_29292996	NC_021165.1	Ca_kabuli_chr06	29292996	CC	GG	1940361788
SNP_P1_114738_29296010	NC_021165.1	Ca_kabuli_chr06	29296010	AA	GG	1940361790
SNP_P1_114739_29297137	NC_021165.1	Ca_kabuli_chr06	29297137	GG	AA	1940361792
SNP_P1_114741_29306404	NC_021165.1	Ca_kabuli_chr06	29306404	TT	GG	1940361793
SNP_P1_114742_29411333	NC_021165.1	Ca_kabuli_chr06	29411333	GG	AA	1940361795
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SNP_P1_114744_29411414	NC_021165.1	Ca_kabuli_chr06	29411414	AA	GG	1940361799
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SNP_P1_114750_29488522	NC_021165.1	Ca_kabuli_chr06	29488522	TT	GG	1940361804
SNP_P1_114751_29488569	NC_021165.1	Ca_kabuli_chr06	29488569	CC	AA	1940361806
SNP_P1_114752_29488581	NC_021165.1	Ca_kabuli_chr06	29488581	GG	AA	1940361807
SNP_P1_114753_29488620	NC_021165.1	Ca_kabuli_chr06	29488620	AA	CC	1940361809
SNP_P1_114754_29488782	NC_021165.1	Ca_kabuli_chr06	29488782	TT	CC	1940361811
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SNP_P1_114756_29488798	NC_021165.1	Ca_kabuli_chr06	29488798	GG	AA	1940361814
SNP_P1_114757_29488852	NC_021165.1	Ca_kabuli_chr06	29488852	AA	GG	1940361816
SNP_P1_114758_29492032	NC_021165.1	Ca_kabuli_chr06	29492032	TT	CC	1940361818
SNP_P1_114759_29492078	NC_021165.1	Ca_kabuli_chr06	29492078	AA	GG	1940361820
SNP_P1_114760_29492329	NC_021165.1	Ca_kabuli_chr06	29492329	CC	TT	1940361821
SNP_P1_114761_29496351	NC_021165.1	Ca_kabuli_chr06	29496351	TT	GG	1940361823
SNP_P1_114762_29497312	NC_021165.1	Ca_kabuli_chr06	29497312	GG	AA	1940361825
SNP_P1_114764_29500093	NC_021165.1	Ca_kabuli_chr06	29500093	TT	CC	1940361827
SNP_P1_114765_29500099	NC_021165.1	Ca_kabuli_chr06	29500099	GG	AA	1940361828

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114767_29500136	NC_021165.1	Ca_kabuli_chr06	29500136	AA	GG	1940361832
SNP_P1_114768_29500141	NC_021165.1	Ca_kabuli_chr06	29500141	AA	GG	1940361834
SNP_P1_114769_29500162	NC_021165.1	Ca_kabuli_chr06	29500162	TT	CC	1940361835
SNP_P1_114770_29500192	NC_021165.1	Ca_kabuli_chr06	29500192	TT	CC	1940361837
SNP_P1_114771_29500787	NC_021165.1	Ca_kabuli_chr06	29500787	GG	AA	1940361839
SNP_P1_114772_29500802	NC_021165.1	Ca_kabuli_chr06	29500802	AA	GG	1940361840
SNP_P1_114773_29500850	NC_021165.1	Ca_kabuli_chr06	29500850	CC	GG	1940361842
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SNP_P1_114775_29523568	NC_021165.1	Ca_kabuli_chr06	29523568	GG	AA	1940361846
SNP_P1_114776_29523593	NC_021165.1	Ca_kabuli_chr06	29523593	TT	GG	1940361847
SNP_P1_114777_29523595	NC_021165.1	Ca_kabuli_chr06	29523595	AA	GG	1940361849
SNP_P1_114778_29523596	NC_021165.1	Ca_kabuli_chr06	29523596	GG	AA	1940361851
SNP_P1_114779_29531053	NC_021165.1	Ca_kabuli_chr06	29531053	CC	TT	1940361853
SNP_P1_114780_29536077	NC_021165.1	Ca_kabuli_chr06	29536077	AA	GG	1940361854
SNP_P1_114781_29536096	NC_021165.1	Ca_kabuli_chr06	29536096	CC	TT	1940361856
SNP_P1_114782_29536193	NC_021165.1	Ca_kabuli_chr06	29536193	CC	TT	1940361858
SNP_P1_114783_29536240	NC_021165.1	Ca_kabuli_chr06	29536240	GG	AA	1940361860
SNP_P1_114784_29536251	NC_021165.1	Ca_kabuli_chr06	29536251	CC	TT	1940361861
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SNP_P1_114787_29557490	NC_021165.1	Ca_kabuli_chr06	29557490	TT	GG	1940361867
SNP_P1_114788_29557498	NC_021165.1	Ca_kabuli_chr06	29557498	GG	AA	1940361868
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SNP_P1_114797_29599594	NC_021165.1	Ca_kabuli_chr06	29599594	GG	AA	1940361884
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SNP_P1_114799_29606463	NC_021165.1	Ca_kabuli_chr06	29606463	TT	CC	1940361887
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SNP_P1_114802_29608858	NC_021165.1	Ca_kabuli_chr06	29608858	AA	GG	1940361893
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SNP_P1_114804_29627653	NC_021165.1	Ca_kabuli_chr06	29627653	AA	GG	1940361896
SNP_P1_114805_29627696	NC_021165.1	Ca_kabuli_chr06	29627696	AA	GG	1940361898
SNP_P1_114806_29628185	NC_021165.1	Ca_kabuli_chr06	29628185	GG	CC	1940361900
SNP_P1_114807_29629207	NC_021165.1	Ca_kabuli_chr06	29629207	TT	CC	1940361901

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114810_29629580	NC_021165.1	Ca_kabuli_chr06	29629580	TT	AA	1940361907
SNP_P1_114811_29629599	NC_021165.1	Ca_kabuli_chr06	29629599	TT	GG	1940361908
SNP_P1_114812_29629697	NC_021165.1	Ca_kabuli_chr06	29629697	GG	TT	1940361910
SNP_P1_114813_29629702	NC_021165.1	Ca_kabuli_chr06	29629702	CC	AA	1940361912
SNP_P1_114814_29629800	NC_021165.1	Ca_kabuli_chr06	29629800	TT	CC	1940361914
SNP_P1_114815_29629863	NC_021165.1	Ca_kabuli_chr06	29629863	AA	TT	1940361915
SNP_P1_114816_29629864	NC_021165.1	Ca_kabuli_chr06	29629864	AA	GG	1940361917
SNP_P1_114819_29648567	NC_021165.1	Ca_kabuli_chr06	29648567	TT	AA	1940361919
SNP_P1_114820_29648568	NC_021165.1	Ca_kabuli_chr06	29648568	AA	TT	1940361921
SNP_P1_114821_29655365	NC_021165.1	Ca_kabuli_chr06	29655365	AA	GG	1940361922
SNP_P1_114822_29655439	NC_021165.1	Ca_kabuli_chr06	29655439	CC	TT	1940361924
SNP_P1_114823_29655457	NC_021165.1	Ca_kabuli_chr06	29655457	TT	CC	1940361926
SNP_P1_114824_29661474	NC_021165.1	Ca_kabuli_chr06	29661474	AA	GG	1940361928
SNP_P1_114826_29661817	NC_021165.1	Ca_kabuli_chr06	29661817	TT	CC	1940361929
SNP_P1_114828_29669062	NC_021165.1	Ca_kabuli_chr06	29669062	CC	TT	1940361931
SNP_P1_114829_29669096	NC_021165.1	Ca_kabuli_chr06	29669096	GG	AA	1940361933
SNP_P1_114830_29669152	NC_021165.1	Ca_kabuli_chr06	29669152	AA	CC	1940361934
SNP_P1_114831_29669192	NC_021165.1	Ca_kabuli_chr06	29669192	GG	AA	1940361936
SNP_P1_114832_29669216	NC_021165.1	Ca_kabuli_chr06	29669216	CC	AA	1940361938
SNP_P1_114833_29669299	NC_021165.1	Ca_kabuli_chr06	29669299	CC	TT	1940361940
SNP_P1_114834_29678351	NC_021165.1	Ca_kabuli_chr06	29678351	TT	GG	1940361941
SNP_P1_114835_29679219	NC_021165.1	Ca_kabuli_chr06	29679219	CC	TT	1940361943
SNP_P1_114836_29686117	NC_021165.1	Ca_kabuli_chr06	29686117	AA	GG	1940361945
SNP_P1_114837_29686124	NC_021165.1	Ca_kabuli_chr06	29686124	GG	TT	1940361947
SNP_P1_114838_29686168	NC_021165.1	Ca_kabuli_chr06	29686168	AA	GG	1940361948
SNP_P1_114839_29686449	NC_021165.1	Ca_kabuli_chr06	29686449	TT	CC	1940361950
SNP_P1_114840_29686562	NC_021165.1	Ca_kabuli_chr06	29686562	TT	CC	1940361952
SNP_P1_114841_29686595	NC_021165.1	Ca_kabuli_chr06	29686595	AA	CC	1940361954
SNP_P1_114842_29687529	NC_021165.1	Ca_kabuli_chr06	29687529	AA	GG	1940361955
SNP_P1_114843_29687581	NC_021165.1	Ca_kabuli_chr06	29687581	CC	TT	1940361957
SNP_P1_114844_29710989	NC_021165.1	Ca_kabuli_chr06	29710989	AA	GG	1940361959
SNP_P1_114845_29711060	NC_021165.1	Ca_kabuli_chr06	29711060	AA	CC	1940361961
SNP_P1_114846_29711127	NC_021165.1	Ca_kabuli_chr06	29711127	AA	GG	1940361962
SNP_P1_114847_29711320	NC_021165.1	Ca_kabuli_chr06	29711320	AA	GG	1940361964
SNP_P1_114848_29711452	NC_021165.1	Ca_kabuli_chr06	29711452	CC	TT	1940361966
SNP_P1_114849_29711687	NC_021165.1	Ca_kabuli_chr06	29711687	CC	TT	1940361967
SNP_P1_114850_29712995	NC_021165.1	Ca_kabuli_chr06	29712995	CC	GG	1940361969
SNP_P1_114851_29713692	NC_021165.1	Ca_kabuli_chr06	29713692	CC	TT	1940361971
SNP_P1_114852_29713776	NC_021165.1	Ca_kabuli_chr06	29713776	TT	GG	1940361973
SNP_P1_114853_29713877	NC_021165.1	Ca_kabuli_chr06	29713877	TT	CC	1940361974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114855_29715995	NC_021165.1	Ca_kabuli_chr06	29715995	AA	CC	1940361978
SNP_P1_114856_29716219	NC_021165.1	Ca_kabuli_chr06	29716219	TT	CC	1940361980
SNP_P1_114857_29716293	NC_021165.1	Ca_kabuli_chr06	29716293	TT	GG	1940361981
SNP_P1_114858_29716436	NC_021165.1	Ca_kabuli_chr06	29716436	TT	CC	1940361983
SNP_P1_114859_29716525	NC_021165.1	Ca_kabuli_chr06	29716525	TT	CC	1940361985
SNP_P1_114860_29724632	NC_021165.1	Ca_kabuli_chr06	29724632	CC	GG	1940361987
SNP_P1_114861_29724819	NC_021165.1	Ca_kabuli_chr06	29724819	AA	GG	1940361988
SNP_P1_114862_29724838	NC_021165.1	Ca_kabuli_chr06	29724838	TT	CC	1940361990
SNP_P1_114863_29724840	NC_021165.1	Ca_kabuli_chr06	29724840	GG	AA	1940361992
SNP_P1_114864_29724848	NC_021165.1	Ca_kabuli_chr06	29724848	CC	TT	1940361994
SNP_P1_114865_29724909	NC_021165.1	Ca_kabuli_chr06	29724909	AA	TT	1940361995
SNP_P1_114866_29725065	NC_021165.1	Ca_kabuli_chr06	29725065	GG	CC	1940361997
SNP_P1_114867_29725150	NC_021165.1	Ca_kabuli_chr06	29725150	CC	TT	1940361999
SNP_P1_114868_29731905	NC_021165.1	Ca_kabuli_chr06	29731905	AA	TT	1940362001
SNP_P1_114869_29742782	NC_021165.1	Ca_kabuli_chr06	29742782	TT	CC	1940362002
SNP_P1_114870_29742783	NC_021165.1	Ca_kabuli_chr06	29742783	AA	CC	1940362004
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SNP_P1_114875_29785043	NC_021165.1	Ca_kabuli_chr06	29785043	AA	TT	1940362011
SNP_P1_114876_29785057	NC_021165.1	Ca_kabuli_chr06	29785057	TT	GG	1940362013
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SNP_P1_114879_29785156	NC_021165.1	Ca_kabuli_chr06	29785156	AA	TT	1940362018
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SNP_P1_114883_29785216	NC_021165.1	Ca_kabuli_chr06	29785216	AA	CC	1940362025
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SNP_P1_114886_29826303	NC_021165.1	Ca_kabuli_chr06	29826303	GG	AA	1940362030
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SNP_P1_114891_29852188	NC_021165.1	Ca_kabuli_chr06	29852188	TT	CC	1940362037
SNP_P1_114892_29868991	NC_021165.1	Ca_kabuli_chr06	29868991	CC	TT	1940362039
SNP_P1_114893_29869749	NC_021165.1	Ca_kabuli_chr06	29869749	TT	CC	1940362041
SNP_P1_114894_29886808	NC_021165.1	Ca_kabuli_chr06	29886808	GG	TT	1940362042
SNP_P1_114895_29889106	NC_021165.1	Ca_kabuli_chr06	29889106	TT	CC	1940362044
SNP_P1_114896_29894023	NC_021165.1	Ca_kabuli_chr06	29894023	TT	CC	1940362046
SNP_P1_114897_29904438	NC_021165.1	Ca_kabuli_chr06	29904438	TT	AA	1940362047

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114900_29909631	NC_021165.1	Ca_kabuli_chr06	29909631	AA	GG	1940362053
SNP_P1_114901_29934162	NC_021165.1	Ca_kabuli_chr06	29934162	GG	AA	1940362054
SNP_P1_114902_29953458	NC_021165.1	Ca_kabuli_chr06	29953458	CC	GG	1940362056
SNP_P1_114903_29962745	NC_021165.1	Ca_kabuli_chr06	29962745	TT	CC	1940362058
SNP_P1_114904_29982269	NC_021165.1	Ca_kabuli_chr06	29982269	AA	GG	1940362060
SNP_P1_114905_29989108	NC_021165.1	Ca_kabuli_chr06	29989108	TT	CC	1940362061
SNP_P1_114906_29990213	NC_021165.1	Ca_kabuli_chr06	29990213	AA	TT	1940362063
SNP_P1_114907_30009647	NC_021165.1	Ca_kabuli_chr06	30009647	GG	AA	1940362065
SNP_P1_114908_30011783	NC_021165.1	Ca_kabuli_chr06	30011783	TT	GG	1940362067
SNP_P1_114909_30011785	NC_021165.1	Ca_kabuli_chr06	30011785	TT	CC	1940362068
SNP_P1_114910_30027409	NC_021165.1	Ca_kabuli_chr06	30027409	AA	GG	1940362070
SNP_P1_114911_30037555	NC_021165.1	Ca_kabuli_chr06	30037555	TT	AA	1940362072
SNP_P1_114912_30037556	NC_021165.1	Ca_kabuli_chr06	30037556	AA	TT	1940362074
SNP_P1_114913_30041035	NC_021165.1	Ca_kabuli_chr06	30041035	GG	AA	1940362075
SNP_P1_114914_30049020	NC_021165.1	Ca_kabuli_chr06	30049020	AA	GG	1940362077
SNP_P1_114915_30049084	NC_021165.1	Ca_kabuli_chr06	30049084	TT	CC	1940362079
SNP_P1_114916_30049085	NC_021165.1	Ca_kabuli_chr06	30049085	CC	AA	1940362081
SNP_P1_114917_30049456	NC_021165.1	Ca_kabuli_chr06	30049456	AA	GG	1940362082
SNP_P1_114919_30061988	NC_021165.1	Ca_kabuli_chr06	30061988	GG	TT	1940362084
SNP_P1_114920_30092025	NC_021165.1	Ca_kabuli_chr06	30092025	GG	TT	1940362086
SNP_P1_114922_30118777	NC_021165.1	Ca_kabuli_chr06	30118777	GG	AA	1940362088
SNP_P1_114923_30125690	NC_021165.1	Ca_kabuli_chr06	30125690	GG	CC	1940362089
SNP_P1_114924_30129370	NC_021165.1	Ca_kabuli_chr06	30129370	TT	GG	1940362091
SNP_P1_114925_30146394	NC_021165.1	Ca_kabuli_chr06	30146394	GG	AA	1940362093
SNP_P1_114926_30149892	NC_021165.1	Ca_kabuli_chr06	30149892	CC	TT	1940362095
SNP_P1_114927_30149894	NC_021165.1	Ca_kabuli_chr06	30149894	AA	TT	1940362096
SNP_P1_114928_30150255	NC_021165.1	Ca_kabuli_chr06	30150255	CC	AA	1940362098
SNP_P1_114929_30150322	NC_021165.1	Ca_kabuli_chr06	30150322	TT	CC	1940362100
SNP_P1_114930_30150340	NC_021165.1	Ca_kabuli_chr06	30150340	TT	AA	1940362101
SNP_P1_114931_30153784	NC_021165.1	Ca_kabuli_chr06	30153784	TT	CC	1940362103
SNP_P1_114932_30153793	NC_021165.1	Ca_kabuli_chr06	30153793	CC	TT	1940362105
SNP_P1_114933_30153852	NC_021165.1	Ca_kabuli_chr06	30153852	GG	AA	1940362107
SNP_P1_114934_30155732	NC_021165.1	Ca_kabuli_chr06	30155732	CC	TT	1940362108
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SNP_P1_114936_30156044	NC_021165.1	Ca_kabuli_chr06	30156044	GG	AA	1940362112
SNP_P1_114937_30156100	NC_021165.1	Ca_kabuli_chr06	30156100	AA	TT	1940362114
SNP_P1_114938_30165897	NC_021165.1	Ca_kabuli_chr06	30165897	TT	GG	1940362115
SNP_P1_114939_30165903	NC_021165.1	Ca_kabuli_chr06	30165903	TT	CC	1940362117
SNP_P1_114940_30165916	NC_021165.1	Ca_kabuli_chr06	30165916	CC	TT	1940362119
SNP_P1_114941_30165925	NC_021165.1	Ca_kabuli_chr06	30165925	TT	CC	1940362121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114944_30166250	NC_021165.1	Ca_kabuli_chr06	30166250	GG	AA	1940362126
SNP_P1_114945_30166255	NC_021165.1	Ca_kabuli_chr06	30166255	AA	GG	1940362128
SNP_P1_114946_30166256	NC_021165.1	Ca_kabuli_chr06	30166256	AA	GG	1940362129
SNP_P1_114947_30167312	NC_021165.1	Ca_kabuli_chr06	30167312	AA	GG	1940362131
SNP_P1_114948_30167315	NC_021165.1	Ca_kabuli_chr06	30167315	AA	CC	1940362133
SNP_P1_114949_30167328	NC_021165.1	Ca_kabuli_chr06	30167328	TT	CC	1940362134
SNP_P1_114950_30167346	NC_021165.1	Ca_kabuli_chr06	30167346	GG	AA	1940362136
SNP_P1_114951_30167349	NC_021165.1	Ca_kabuli_chr06	30167349	TT	CC	1940362138
SNP_P1_114952_30167394	NC_021165.1	Ca_kabuli_chr06	30167394	TT	CC	1940362140
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SNP_P1_114955_30170522	NC_021165.1	Ca_kabuli_chr06	30170522	CC	TT	1940362145
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SNP_P1_114957_30170546	NC_021165.1	Ca_kabuli_chr06	30170546	TT	CC	1940362148
SNP_P1_114958_30170566	NC_021165.1	Ca_kabuli_chr06	30170566	CC	TT	1940362150
SNP_P1_114959_30170573	NC_021165.1	Ca_kabuli_chr06	30170573	CC	TT	1940362152
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SNP_P1_114964_30264982	NC_021165.1	Ca_kabuli_chr06	30264982	AA	CC	1940362161
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SNP_P1_114967_30275231	NC_021165.1	Ca_kabuli_chr06	30275231	GG	AA	1940362166
SNP_P1_114968_30290728	NC_021165.1	Ca_kabuli_chr06	30290728	GG	AA	1940362168
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SNP_P1_114970_30307939	NC_021165.1	Ca_kabuli_chr06	30307939	CC	TT	1940362171
SNP_P1_114971_30311194	NC_021165.1	Ca_kabuli_chr06	30311194	CC	TT	1940362173
SNP_P1_114972_30317545	NC_021165.1	Ca_kabuli_chr06	30317545	TT	CC	1940362174
SNP_P1_114974_30341361	NC_021165.1	Ca_kabuli_chr06	30341361	GG	AA	1940362176
SNP_P1_114975_30357815	NC_021165.1	Ca_kabuli_chr06	30357815	AA	TT	1940362178
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SNP_P1_114979_30383000	NC_021165.1	Ca_kabuli_chr06	30383000	AA	CC	1940362185
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SNP_P1_114981_30383132	NC_021165.1	Ca_kabuli_chr06	30383132	CC	TT	1940362188
SNP_P1_114982_30383136	NC_021165.1	Ca_kabuli_chr06	30383136	CC	AA	1940362190
SNP_P1_114983_30383144	NC_021165.1	Ca_kabuli_chr06	30383144	GG	AA	1940362192
SNP_P1_114985_30383540	NC_021165.1	Ca_kabuli_chr06	30383540	CC	TT	1940362194

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_114988_30408245	NC_021165.1	Ca_kabuli_chr06	30408245	GG	AA	1940362199
SNP_P1_114989_30413911	NC_021165.1	Ca_kabuli_chr06	30413911	AA	GG	1940362201
SNP_P1_114990_30413912	NC_021165.1	Ca_kabuli_chr06	30413912	TT	GG	1940362202
SNP_P1_114991_30424806	NC_021165.1	Ca_kabuli_chr06	30424806	TT	AA	1940362204
SNP_P1_114992_30425177	NC_021165.1	Ca_kabuli_chr06	30425177	AA	GG	1940362206
SNP_P1_114993_30425179	NC_021165.1	Ca_kabuli_chr06	30425179	AA	GG	1940362207
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SNP_P1_114997_30475256	NC_021165.1	Ca_kabuli_chr06	30475256	CC	GG	1940362213
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SNP_P1_115001_30491805	NC_021165.1	Ca_kabuli_chr06	30491805	AA	GG	1940362220
SNP_P1_115002_30499682	NC_021165.1	Ca_kabuli_chr06	30499682	CC	TT	1940362221
SNP_P1_115003_30499687	NC_021165.1	Ca_kabuli_chr06	30499687	AA	GG	1940362223
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SNP_P1_115010_30537451	NC_021165.1	Ca_kabuli_chr06	30537451	CC	TT	1940362234
SNP_P1_115011_30537955	NC_021165.1	Ca_kabuli_chr06	30537955	GG	CC	1940362235
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SNP_P1_115017_30586756	NC_021165.1	Ca_kabuli_chr06	30586756	AA	GG	1940362244
SNP_P1_115018_30587869	NC_021165.1	Ca_kabuli_chr06	30587869	AA	GG	1940362246
SNP_P1_115019_30587873	NC_021165.1	Ca_kabuli_chr06	30587873	GG	CC	1940362247
SNP_P1_115020_30587874	NC_021165.1	Ca_kabuli_chr06	30587874	CC	TT	1940362249
SNP_P1_115021_30587932	NC_021165.1	Ca_kabuli_chr06	30587932	AA	GG	1940362251
SNP_P1_115022_30588174	NC_021165.1	Ca_kabuli_chr06	30588174	AA	CC	1940362253
SNP_P1_115024_30612650	NC_021165.1	Ca_kabuli_chr06	30612650	CC	GG	1940362254
SNP_P1_115026_30643199	NC_021165.1	Ca_kabuli_chr06	30643199	TT	CC	1940362256
SNP_P1_115028_30659654	NC_021165.1	Ca_kabuli_chr06	30659654	TT	AA	1940362258
SNP_P1_115029_30678707	NC_021165.1	Ca_kabuli_chr06	30678707	AA	GG	1940362260
SNP_P1_115030_30678756	NC_021165.1	Ca_kabuli_chr06	30678756	CC	TT	1940362261
SNP_P1_115031_30678875	NC_021165.1	Ca_kabuli_chr06	30678875	GG	CC	1940362263
SNP_P1_115032_30678877	NC_021165.1	Ca_kabuli_chr06	30678877	GG	TT	1940362265
SNP_P1_115033_30678878	NC_021165.1	Ca_kabuli_chr06	30678878	TT	GG	1940362267

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115035_30678902	NC_021165.1	Ca_kabuli_chr06	30678902	AA	GG	1940362270
SNP_P1_115036_30678990	NC_021165.1	Ca_kabuli_chr06	30678990	AA	TT	1940362272
SNP_P1_115037_30691160	NC_021165.1	Ca_kabuli_chr06	30691160	TT	CC	1940362274
SNP_P1_115038_30691319	NC_021165.1	Ca_kabuli_chr06	30691319	CC	AA	1940362275
SNP_P1_115040_30701038	NC_021165.1	Ca_kabuli_chr06	30701038	TT	CC	1940362277
SNP_P1_115041_30725397	NC_021165.1	Ca_kabuli_chr06	30725397	TT	AA	1940362279
SNP_P1_115043_30752297	NC_021165.1	Ca_kabuli_chr06	30752297	AA	GG	1940362281
SNP_P1_115044_30752474	NC_021165.1	Ca_kabuli_chr06	30752474	AA	TT	1940362282
SNP_P1_115045_30752477	NC_021165.1	Ca_kabuli_chr06	30752477	TT	AA	1940362284
SNP_P1_115046_30752625	NC_021165.1	Ca_kabuli_chr06	30752625	GG	AA	1940362286
SNP_P1_115047_30752633	NC_021165.1	Ca_kabuli_chr06	30752633	AA	CC	1940362287
SNP_P1_115048_30752647	NC_021165.1	Ca_kabuli_chr06	30752647	AA	TT	1940362289
SNP_P1_115049_30752670	NC_021165.1	Ca_kabuli_chr06	30752670	AA	CC	1940362291
SNP_P1_115050_30752677	NC_021165.1	Ca_kabuli_chr06	30752677	AA	CC	1940362293
SNP_P1_115051_30752685	NC_021165.1	Ca_kabuli_chr06	30752685	AA	GG	1940362294
SNP_P1_115052_30752704	NC_021165.1	Ca_kabuli_chr06	30752704	AA	GG	1940362296
SNP_P1_115053_30752746	NC_021165.1	Ca_kabuli_chr06	30752746	GG	AA	1940362298
SNP_P1_115054_30752858	NC_021165.1	Ca_kabuli_chr06	30752858	GG	TT	1940362300
SNP_P1_115055_30753040	NC_021165.1	Ca_kabuli_chr06	30753040	CC	AA	1940362301
SNP_P1_115056_30753098	NC_021165.1	Ca_kabuli_chr06	30753098	TT	CC	1940362303
SNP_P1_115057_30753103	NC_021165.1	Ca_kabuli_chr06	30753103	AA	GG	1940362305
SNP_P1_115058_30753335	NC_021165.1	Ca_kabuli_chr06	30753335	AA	GG	1940362307
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SNP_P1_115061_30767156	NC_021165.1	Ca_kabuli_chr06	30767156	GG	AA	1940362312
SNP_P1_115063_30779389	NC_021165.1	Ca_kabuli_chr06	30779389	AA	GG	1940362314
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SNP_P1_115067_30881540	NC_021165.1	Ca_kabuli_chr06	30881540	TT	AA	1940362319
SNP_P1_115069_30900446	NC_021165.1	Ca_kabuli_chr06	30900446	AA	TT	1940362320
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SNP_P1_115074_30933743	NC_021165.1	Ca_kabuli_chr06	30933743	TT	CC	1940362326
SNP_P1_115075_30941195	NC_021165.1	Ca_kabuli_chr06	30941195	AA	CC	1940362327
SNP_P1_115076_30951103	NC_021165.1	Ca_kabuli_chr06	30951103	GG	TT	1940362329
SNP_P1_115078_30980112	NC_021165.1	Ca_kabuli_chr06	30980112	GG	CC	1940362331
SNP_P1_115079_30988565	NC_021165.1	Ca_kabuli_chr06	30988565	GG	AA	1940362333
SNP_P1_115080_30988567	NC_021165.1	Ca_kabuli_chr06	30988567	GG	CC	1940362334
SNP_P1_115081_30988884	NC_021165.1	Ca_kabuli_chr06	30988884	CC	TT	1940362336
SNP_P1_115082_31007630	NC_021165.1	Ca_kabuli_chr06	31007630	TT	AA	1940362338
SNP_P1_115083_31033780	NC_021165.1	Ca_kabuli_chr06	31033780	TT	CC	1940362340

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115087_31079377	NC_021165.1	Ca_kabuli_chr06	31079377	AA	CC	1940362345
SNP_P1_115088_31096873	NC_021165.1	Ca_kabuli_chr06	31096873	AA	GG	1940362347
SNP_P1_115090_31097018	NC_021165.1	Ca_kabuli_chr06	31097018	CC	TT	1940362348
SNP_P1_115091_31097043	NC_021165.1	Ca_kabuli_chr06	31097043	TT	CC	1940362350
SNP_P1_115093_31097088	NC_021165.1	Ca_kabuli_chr06	31097088	GG	TT	1940362352
SNP_P1_115094_31097110	NC_021165.1	Ca_kabuli_chr06	31097110	GG	TT	1940362354
SNP_P1_115096_31097195	NC_021165.1	Ca_kabuli_chr06	31097195	CC	GG	1940362355
SNP_P1_115098_31097321	NC_021165.1	Ca_kabuli_chr06	31097321	GG	AA	1940362357
SNP_P1_115099_31097352	NC_021165.1	Ca_kabuli_chr06	31097352	GG	AA	1940362359
SNP_P1_115100_31097404	NC_021165.1	Ca_kabuli_chr06	31097404	TT	AA	1940362361
SNP_P1_115101_31097425	NC_021165.1	Ca_kabuli_chr06	31097425	AA	GG	1940362362
SNP_P1_115102_31097492	NC_021165.1	Ca_kabuli_chr06	31097492	TT	CC	1940362364
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SNP_P1_115106_31097625	NC_021165.1	Ca_kabuli_chr06	31097625	TT	GG	1940362371
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SNP_P1_115108_31097636	NC_021165.1	Ca_kabuli_chr06	31097636	CC	TT	1940362374
SNP_P1_115109_31097688	NC_021165.1	Ca_kabuli_chr06	31097688	TT	GG	1940362376
SNP_P1_115110_31099261	NC_021165.1	Ca_kabuli_chr06	31099261	TT	AA	1940362378
SNP_P1_115112_31099590	NC_021165.1	Ca_kabuli_chr06	31099590	TT	CC	1940362380
SNP_P1_115113_31099616	NC_021165.1	Ca_kabuli_chr06	31099616	AA	GG	1940362381
SNP_P1_115114_31099641	NC_021165.1	Ca_kabuli_chr06	31099641	TT	CC	1940362383
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SNP_P1_115117_31122109	NC_021165.1	Ca_kabuli_chr06	31122109	GG	AA	1940362388
SNP_P1_115118_31123490	NC_021165.1	Ca_kabuli_chr06	31123490	GG	AA	1940362390
SNP_P1_115119_31123575	NC_021165.1	Ca_kabuli_chr06	31123575	TT	CC	1940362392
SNP_P1_115120_31131495	NC_021165.1	Ca_kabuli_chr06	31131495	GG	AA	1940362394
SNP_P1_115122_31132481	NC_021165.1	Ca_kabuli_chr06	31132481	TT	CC	1940362395
SNP_P1_115123_31132503	NC_021165.1	Ca_kabuli_chr06	31132503	CC	TT	1940362397
SNP_P1_115124_31132783	NC_021165.1	Ca_kabuli_chr06	31132783	AA	GG	1940362399
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SNP_P1_115126_31162916	NC_021165.1	Ca_kabuli_chr06	31162916	GG	AA	1940362402
SNP_P1_115127_31163091	NC_021165.1	Ca_kabuli_chr06	31163091	CC	TT	1940362404
SNP_P1_115128_31163108	NC_021165.1	Ca_kabuli_chr06	31163108	AA	GG	1940362406
SNP_P1_115129_31163158	NC_021165.1	Ca_kabuli_chr06	31163158	CC	AA	1940362407
SNP_P1_115130_31163206	NC_021165.1	Ca_kabuli_chr06	31163206	CC	TT	1940362409
SNP_P1_115131_31163699	NC_021165.1	Ca_kabuli_chr06	31163699	AA	GG	1940362411
SNP_P1_115132_31163855	NC_021165.1	Ca_kabuli_chr06	31163855	TT	GG	1940362413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115135_31168616	NC_021165.1	Ca_kabuli_chr06	31168616	AA	GG	1940362418
SNP_P1_115136_31168634	NC_021165.1	Ca_kabuli_chr06	31168634	AA	CC	1940362420
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SNP_P1_115138_31168674	NC_021165.1	Ca_kabuli_chr06	31168674	TT	CC	1940362423
SNP_P1_115139_31168731	NC_021165.1	Ca_kabuli_chr06	31168731	AA	GG	1940362425
SNP_P1_115140_31168835	NC_021165.1	Ca_kabuli_chr06	31168835	TT	CC	1940362427
SNP_P1_115141_31168838	NC_021165.1	Ca_kabuli_chr06	31168838	TT	AA	1940362428
SNP_P1_115142_31168875	NC_021165.1	Ca_kabuli_chr06	31168875	CC	AA	1940362430
SNP_P1_115143_31168902	NC_021165.1	Ca_kabuli_chr06	31168902	TT	AA	1940362432
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SNP_P1_115146_31169006	NC_021165.1	Ca_kabuli_chr06	31169006	CC	AA	1940362437
SNP_P1_115147_31169044	NC_021165.1	Ca_kabuli_chr06	31169044	AA	CC	1940362439
SNP_P1_115148_31169057	NC_021165.1	Ca_kabuli_chr06	31169057	GG	AA	1940362441
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SNP_P1_115161_31184278	NC_021165.1	Ca_kabuli_chr06	31184278	AA	GG	1940362463
SNP_P1_115162_31184298	NC_021165.1	Ca_kabuli_chr06	31184298	AA	CC	1940362465
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SNP_P1_115166_31187332	NC_021165.1	Ca_kabuli_chr06	31187332	GG	AA	1940362472
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SNP_P1_115168_31187362	NC_021165.1	Ca_kabuli_chr06	31187362	GG	TT	1940362475
SNP_P1_115169_31187366	NC_021165.1	Ca_kabuli_chr06	31187366	GG	AA	1940362477
SNP_P1_115170_31187367	NC_021165.1	Ca_kabuli_chr06	31187367	TT	AA	1940362479
SNP_P1_115171_31187369	NC_021165.1	Ca_kabuli_chr06	31187369	CC	TT	1940362481
SNP_P1_115172_31187391	NC_021165.1	Ca_kabuli_chr06	31187391	GG	AA	1940362482
SNP_P1_115173_31187409	NC_021165.1	Ca_kabuli_chr06	31187409	AA	GG	1940362484
SNP_P1_115174_31187434	NC_021165.1	Ca_kabuli_chr06	31187434	AA	CC	1940362486

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115177_31187584	NC_021165.1	Ca_kabuli_chr06	31187584	AA	TT	1940362491
SNP_P1_115178_31187773	NC_021165.1	Ca_kabuli_chr06	31187773	TT	CC	1940362493
SNP_P1_115179_31187785	NC_021165.1	Ca_kabuli_chr06	31187785	GG	AA	1940362495
SNP_P1_115180_31187801	NC_021165.1	Ca_kabuli_chr06	31187801	GG	TT	1940362496
SNP_P1_115181_31187822	NC_021165.1	Ca_kabuli_chr06	31187822	CC	TT	1940362498
SNP_P1_115182_31187860	NC_021165.1	Ca_kabuli_chr06	31187860	CC	TT	1940362500
SNP_P1_115183_31187880	NC_021165.1	Ca_kabuli_chr06	31187880	GG	AA	1940362502
SNP_P1_115184_31195110	NC_021165.1	Ca_kabuli_chr06	31195110	TT	AA	1940362503
SNP_P1_115185_31205268	NC_021165.1	Ca_kabuli_chr06	31205268	CC	TT	1940362505
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SNP_P1_115196_31293928	NC_021165.1	Ca_kabuli_chr06	31293928	GG	AA	1940362521
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SNP_P1_115204_31324730	NC_021165.1	Ca_kabuli_chr06	31324730	CC	TT	1940362529
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SNP_P1_115210_31371490	NC_021165.1	Ca_kabuli_chr06	31371490	GG	AA	1940362536
SNP_P1_115211_31371502	NC_021165.1	Ca_kabuli_chr06	31371502	GG	AA	1940362538
SNP_P1_115212_31371504	NC_021165.1	Ca_kabuli_chr06	31371504	AA	GG	1940362540
SNP_P1_115213_31371891	NC_021165.1	Ca_kabuli_chr06	31371891	CC	TT	1940362542
SNP_P1_115214_31371897	NC_021165.1	Ca_kabuli_chr06	31371897	TT	GG	1940362543
SNP_P1_115215_31372076	NC_021165.1	Ca_kabuli_chr06	31372076	TT	CC	1940362545
SNP_P1_115216_31372243	NC_021165.1	Ca_kabuli_chr06	31372243	TT	CC	1940362547
SNP_P1_115217_31372244	NC_021165.1	Ca_kabuli_chr06	31372244	AA	GG	1940362549
SNP_P1_115218_31372266	NC_021165.1	Ca_kabuli_chr06	31372266	TT	CC	1940362550
SNP_P1_115219_31372269	NC_021165.1	Ca_kabuli_chr06	31372269	AA	GG	1940362552
SNP_P1_115220_31372328	NC_021165.1	Ca_kabuli_chr06	31372328	AA	CC	1940362554
SNP_P1_115221_31372339	NC_021165.1	Ca_kabuli_chr06	31372339	CC	TT	1940362556
SNP_P1_115222_31372348	NC_021165.1	Ca_kabuli_chr06	31372348	AA	GG	1940362557
SNP_P1_115223_31372378	NC_021165.1	Ca_kabuli_chr06	31372378	CC	TT	1940362559

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115225_31380557	NC_021165.1	Ca_kabuli_chr06	31380557	CC	GG	1940362563
SNP_P1_115226_31395749	NC_021165.1	Ca_kabuli_chr06	31395749	CC	TT	1940362564
SNP_P1_115227_31397757	NC_021165.1	Ca_kabuli_chr06	31397757	GG	AA	1940362566
SNP_P1_115229_31412559	NC_021165.1	Ca_kabuli_chr06	31412559	TT	CC	1940362568
SNP_P1_115231_31426958	NC_021165.1	Ca_kabuli_chr06	31426958	TT	GG	1940362570
SNP_P1_115232_31429151	NC_021165.1	Ca_kabuli_chr06	31429151	GG	AA	1940362571
SNP_P1_115233_31430929	NC_021165.1	Ca_kabuli_chr06	31430929	GG	CC	1940362573
SNP_P1_115234_31431154	NC_021165.1	Ca_kabuli_chr06	31431154	AA	GG	1940362575
SNP_P1_115235_31431219	NC_021165.1	Ca_kabuli_chr06	31431219	GG	AA	1940362576
SNP_P1_115236_31431602	NC_021165.1	Ca_kabuli_chr06	31431602	GG	AA	1940362578
SNP_P1_115237_31436184	NC_021165.1	Ca_kabuli_chr06	31436184	GG	AA	1940362580
SNP_P1_115238_31436244	NC_021165.1	Ca_kabuli_chr06	31436244	GG	AA	1940362582
SNP_P1_115239_31440456	NC_021165.1	Ca_kabuli_chr06	31440456	TT	AA	1940362583
SNP_P1_115240_31453555	NC_021165.1	Ca_kabuli_chr06	31453555	CC	TT	1940362585
SNP_P1_115242_31470381	NC_021165.1	Ca_kabuli_chr06	31470381	CC	AA	1940362587
SNP_P1_115243_31472192	NC_021165.1	Ca_kabuli_chr06	31472192	TT	AA	1940362589
SNP_P1_115244_31472542	NC_021165.1	Ca_kabuli_chr06	31472542	GG	AA	1940362590
SNP_P1_115245_31472543	NC_021165.1	Ca_kabuli_chr06	31472543	TT	CC	1940362592
SNP_P1_115246_31482340	NC_021165.1	Ca_kabuli_chr06	31482340	GG	CC	1940362594
SNP_P1_115247_31489091	NC_021165.1	Ca_kabuli_chr06	31489091	AA	CC	1940362596
SNP_P1_115248_31497539	NC_021165.1	Ca_kabuli_chr06	31497539	GG	CC	1940362597
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SNP_P1_115250_31500608	NC_021165.1	Ca_kabuli_chr06	31500608	GG	AA	1940362601
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SNP_P1_115255_31545145	NC_021165.1	Ca_kabuli_chr06	31545145	GG	AA	1940362610
SNP_P1_115256_31545154	NC_021165.1	Ca_kabuli_chr06	31545154	CC	TT	1940362611
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SNP_P1_115259_31545888	NC_021165.1	Ca_kabuli_chr06	31545888	AA	GG	1940362617
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SNP_P1_115263_31585254	NC_021165.1	Ca_kabuli_chr06	31585254	CC	AA	1940362623
SNP_P1_115264_31604733	NC_021165.1	Ca_kabuli_chr06	31604733	AA	GG	1940362625
SNP_P1_115265_31604783	NC_021165.1	Ca_kabuli_chr06	31604783	GG	AA	1940362627
SNP_P1_115266_31604832	NC_021165.1	Ca_kabuli_chr06	31604832	GG	AA	1940362629
SNP_P1_115267_31604842	NC_021165.1	Ca_kabuli_chr06	31604842	TT	AA	1940362630
SNP_P1_115268_31604851	NC_021165.1	Ca_kabuli_chr06	31604851	AA	GG	1940362632

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115271_31604994	NC_021165.1	Ca_kabuli_chr06	31604994	TT	AA	1940362637
SNP_P1_115272_31605019	NC_021165.1	Ca_kabuli_chr06	31605019	AA	GG	1940362639
SNP_P1_115274_31608175	NC_021165.1	Ca_kabuli_chr06	31608175	AA	TT	1940362641
SNP_P1_115275_31608176	NC_021165.1	Ca_kabuli_chr06	31608176	TT	CC	1940362643
SNP_P1_115276_31632407	NC_021165.1	Ca_kabuli_chr06	31632407	CC	TT	1940362644
SNP_P1_115277_31632989	NC_021165.1	Ca_kabuli_chr06	31632989	AA	TT	1940362646
SNP_P1_115278_31641833	NC_021165.1	Ca_kabuli_chr06	31641833	TT	CC	1940362648
SNP_P1_115280_31659595	NC_021165.1	Ca_kabuli_chr06	31659595	AA	GG	1940362650
SNP_P1_115281_31659603	NC_021165.1	Ca_kabuli_chr06	31659603	AA	TT	1940362651
SNP_P1_115282_31659612	NC_021165.1	Ca_kabuli_chr06	31659612	TT	GG	1940362653
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SNP_P1_115288_31712089	NC_021165.1	Ca_kabuli_chr06	31712089	CC	TT	1940362664
SNP_P1_115289_31712184	NC_021165.1	Ca_kabuli_chr06	31712184	CC	TT	1940362665
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SNP_P1_115292_31712282	NC_021165.1	Ca_kabuli_chr06	31712282	GG	AA	1940362670
SNP_P1_115293_31716842	NC_021165.1	Ca_kabuli_chr06	31716842	CC	AA	1940362672
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SNP_P1_115295_31717440	NC_021165.1	Ca_kabuli_chr06	31717440	TT	CC	1940362676
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SNP_P1_115299_31717783	NC_021165.1	Ca_kabuli_chr06	31717783	TT	CC	1940362683
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SNP_P1_115302_31740294	NC_021165.1	Ca_kabuli_chr06	31740294	AA	GG	1940362686
SNP_P1_115303_31744925	NC_021165.1	Ca_kabuli_chr06	31744925	CC	AA	1940362688
SNP_P1_115304_31744964	NC_021165.1	Ca_kabuli_chr06	31744964	CC	TT	1940362690
SNP_P1_115305_31747151	NC_021165.1	Ca_kabuli_chr06	31747151	AA	CC	1940362691
SNP_P1_115306_31747956	NC_021165.1	Ca_kabuli_chr06	31747956	CC	TT	1940362693
SNP_P1_115307_31750755	NC_021165.1	Ca_kabuli_chr06	31750755	AA	CC	1940362695
SNP_P1_115308_31753798	NC_021165.1	Ca_kabuli_chr06	31753798	AA	GG	1940362697
SNP_P1_115309_31753804	NC_021165.1	Ca_kabuli_chr06	31753804	TT	CC	1940362698
SNP_P1_115310_31753834	NC_021165.1	Ca_kabuli_chr06	31753834	TT	CC	1940362700
SNP_P1_115311_31753853	NC_021165.1	Ca_kabuli_chr06	31753853	GG	TT	1940362702
SNP_P1_115312_31753875	NC_021165.1	Ca_kabuli_chr06	31753875	TT	GG	1940362704
SNP_P1_115313_31753881	NC_021165.1	Ca_kabuli_chr06	31753881	AA	GG	1940362705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115316_31756151	NC_021165.1	Ca_kabuli_chr06	31756151	CC	TT	1940362711
SNP_P1_115317_31769439	NC_021165.1	Ca_kabuli_chr06	31769439	GG	TT	1940362712
SNP_P1_115319_31771546	NC_021165.1	Ca_kabuli_chr06	31771546	AA	GG	1940362714
SNP_P1_115320_31793437	NC_021165.1	Ca_kabuli_chr06	31793437	AA	GG	1940362716
SNP_P1_115321_31805480	NC_021165.1	Ca_kabuli_chr06	31805480	GG	TT	1940362717
SNP_P1_115322_31808230	NC_021165.1	Ca_kabuli_chr06	31808230	AA	CC	1940362719
SNP_P1_115323_31813025	NC_021165.1	Ca_kabuli_chr06	31813025	CC	AA	1940362721
SNP_P1_115324_31813031	NC_021165.1	Ca_kabuli_chr06	31813031	AA	GG	1940362723
SNP_P1_115325_31813044	NC_021165.1	Ca_kabuli_chr06	31813044	CC	TT	1940362724
SNP_P1_115326_31813066	NC_021165.1	Ca_kabuli_chr06	31813066	GG	AA	1940362726
SNP_P1_115327_31828551	NC_021165.1	Ca_kabuli_chr06	31828551	AA	GG	1940362728
SNP_P1_115328_31835514	NC_021165.1	Ca_kabuli_chr06	31835514	TT	CC	1940362730
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SNP_P1_115330_31856804	NC_021165.1	Ca_kabuli_chr06	31856804	AA	GG	1940362733
SNP_P1_115332_31880333	NC_021165.1	Ca_kabuli_chr06	31880333	GG	AA	1940362735
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SNP_P1_115339_31939414	NC_021165.1	Ca_kabuli_chr06	31939414	TT	CC	1940362747
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SNP_P1_115344_31939456	NC_021165.1	Ca_kabuli_chr06	31939456	TT	CC	1940362756
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SNP_P1_115346_31939480	NC_021165.1	Ca_kabuli_chr06	31939480	AA	GG	1940362759
SNP_P1_115347_31939496	NC_021165.1	Ca_kabuli_chr06	31939496	TT	CC	1940362761
SNP_P1_115348_31939498	NC_021165.1	Ca_kabuli_chr06	31939498	GG	AA	1940362763
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SNP_P1_115350_31939549	NC_021165.1	Ca_kabuli_chr06	31939549	CC	TT	1940362766
SNP_P1_115351_31939555	NC_021165.1	Ca_kabuli_chr06	31939555	CC	TT	1940362768
SNP_P1_115352_31939574	NC_021165.1	Ca_kabuli_chr06	31939574	AA	GG	1940362770
SNP_P1_115353_31939594	NC_021165.1	Ca_kabuli_chr06	31939594	GG	AA	1940362771
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SNP_P1_115355_31939626	NC_021165.1	Ca_kabuli_chr06	31939626	AA	GG	1940362775
SNP_P1_115357_31939920	NC_021165.1	Ca_kabuli_chr06	31939920	AA	GG	1940362777
SNP_P1_115358_31939935	NC_021165.1	Ca_kabuli_chr06	31939935	TT	CC	1940362778

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SNP_P1_115361_31945607	NC_021165.1	Ca_kabuli_chr06	31945607	CC	TT	1940362784
SNP_P1_115362_31947358	NC_021165.1	Ca_kabuli_chr06	31947358	TT	AA	1940362785
SNP_P1_115363_31947423	NC_021165.1	Ca_kabuli_chr06	31947423	CC	TT	1940362787
SNP_P1_115364_31947449	NC_021165.1	Ca_kabuli_chr06	31947449	TT	CC	1940362789
SNP_P1_115365_31947450	NC_021165.1	Ca_kabuli_chr06	31947450	TT	CC	1940362791
SNP_P1_115366_31947452	NC_021165.1	Ca_kabuli_chr06	31947452	TT	CC	1940362792
SNP_P1_115367_31947460	NC_021165.1	Ca_kabuli_chr06	31947460	AA	GG	1940362794
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SNP_P1_115369_31947617	NC_021165.1	Ca_kabuli_chr06	31947617	TT	CC	1940362797
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SNP_P1_115374_31950628	NC_021165.1	Ca_kabuli_chr06	31950628	GG	AA	1940362806
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SNP_P1_115377_31959688	NC_021165.1	Ca_kabuli_chr06	31959688	TT	AA	1940362810
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SNP_P1_115383_31998203	NC_021165.1	Ca_kabuli_chr06	31998203	TT	CC	1940362818
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SNP_P1_115387_32015994	NC_021165.1	Ca_kabuli_chr06	32015994	CC	TT	1940362825
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SNP_P1_115389_32059447	NC_021165.1	Ca_kabuli_chr06	32059447	AA	CC	1940362829
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SNP_P1_115391_32059572	NC_021165.1	Ca_kabuli_chr06	32059572	AA	TT	1940362832
SNP_P1_115392_32059690	NC_021165.1	Ca_kabuli_chr06	32059690	CC	AA	1940362834
SNP_P1_115393_32084262	NC_021165.1	Ca_kabuli_chr06	32084262	GG	CC	1940362836
SNP_P1_115394_32093795	NC_021165.1	Ca_kabuli_chr06	32093795	TT	AA	1940362838
SNP_P1_115396_32124066	NC_021165.1	Ca_kabuli_chr06	32124066	GG	AA	1940362839
SNP_P1_115397_32124110	NC_021165.1	Ca_kabuli_chr06	32124110	GG	AA	1940362841
SNP_P1_115398_32124150	NC_021165.1	Ca_kabuli_chr06	32124150	CC	TT	1940362843
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SNP_P1_115400_32124290	NC_021165.1	Ca_kabuli_chr06	32124290	TT	CC	1940362846
SNP_P1_115401_32124334	NC_021165.1	Ca_kabuli_chr06	32124334	AA	CC	1940362848
SNP_P1_115402_32124373	NC_021165.1	Ca_kabuli_chr06	32124373	GG	AA	1940362850
SNP_P1_115403_32124415	NC_021165.1	Ca_kabuli_chr06	32124415	GG	CC	1940362851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115406_32129795	NC_021165.1	Ca_kabuli_chr06	32129795	TT	CC	1940362857
SNP_P1_115408_32164199	NC_021165.1	Ca_kabuli_chr06	32164199	AA	CC	1940362858
SNP_P1_115409_32187428	NC_021165.1	Ca_kabuli_chr06	32187428	TT	GG	1940362860
SNP_P1_115410_32187431	NC_021165.1	Ca_kabuli_chr06	32187431	AA	GG	1940362862
SNP_P1_115411_32187480	NC_021165.1	Ca_kabuli_chr06	32187480	CC	TT	1940362864
SNP_P1_115412_32194166	NC_021165.1	Ca_kabuli_chr06	32194166	TT	CC	1940362865
SNP_P1_115413_32194174	NC_021165.1	Ca_kabuli_chr06	32194174	AA	TT	1940362867
SNP_P1_115414_32194299	NC_021165.1	Ca_kabuli_chr06	32194299	GG	AA	1940362869
SNP_P1_115415_32194571	NC_021165.1	Ca_kabuli_chr06	32194571	CC	AA	1940362871
SNP_P1_115416_32194631	NC_021165.1	Ca_kabuli_chr06	32194631	AA	GG	1940362872
SNP_P1_115417_32194640	NC_021165.1	Ca_kabuli_chr06	32194640	TT	CC	1940362874
SNP_P1_115418_32194655	NC_021165.1	Ca_kabuli_chr06	32194655	TT	AA	1940362876
SNP_P1_115419_32194675	NC_021165.1	Ca_kabuli_chr06	32194675	TT	CC	1940362878
SNP_P1_115420_32194689	NC_021165.1	Ca_kabuli_chr06	32194689	GG	AA	1940362879
SNP_P1_115421_32194692	NC_021165.1	Ca_kabuli_chr06	32194692	AA	GG	1940362881
SNP_P1_115422_32194705	NC_021165.1	Ca_kabuli_chr06	32194705	AA	TT	1940362883
SNP_P1_115423_32194719	NC_021165.1	Ca_kabuli_chr06	32194719	AA	TT	1940362884
SNP_P1_115424_32194740	NC_021165.1	Ca_kabuli_chr06	32194740	AA	GG	1940362886
SNP_P1_115425_32194749	NC_021165.1	Ca_kabuli_chr06	32194749	GG	AA	1940362888
SNP_P1_115426_32194767	NC_021165.1	Ca_kabuli_chr06	32194767	GG	AA	1940362890
SNP_P1_115427_32194778	NC_021165.1	Ca_kabuli_chr06	32194778	AA	GG	1940362891
SNP_P1_115428_32195192	NC_021165.1	Ca_kabuli_chr06	32195192	TT	CC	1940362893
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SNP_P1_115431_32197589	NC_021165.1	Ca_kabuli_chr06	32197589	AA	TT	1940362898
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SNP_P1_115434_32209631	NC_021165.1	Ca_kabuli_chr06	32209631	GG	TT	1940362902
SNP_P1_115435_32216917	NC_021165.1	Ca_kabuli_chr06	32216917	CC	AA	1940362904
SNP_P1_115436_32217010	NC_021165.1	Ca_kabuli_chr06	32217010	TT	CC	1940362905
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SNP_P1_115438_32217417	NC_021165.1	Ca_kabuli_chr06	32217417	TT	CC	1940362909
SNP_P1_115439_32217515	NC_021165.1	Ca_kabuli_chr06	32217515	TT	CC	1940362911
SNP_P1_115440_32230462	NC_021165.1	Ca_kabuli_chr06	32230462	TT	CC	1940362912
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SNP_P1_115442_32270747	NC_021165.1	Ca_kabuli_chr06	32270747	GG	CC	1940362916
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SNP_P1_115445_32335214	NC_021165.1	Ca_kabuli_chr06	32335214	GG	AA	1940362919
SNP_P1_115446_32357239	NC_021165.1	Ca_kabuli_chr06	32357239	GG	TT	1940362921
SNP_P1_115448_32370463	NC_021165.1	Ca_kabuli_chr06	32370463	GG	AA	1940362923
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115452_32371595	NC_021165.1	Ca_kabuli_chr06	32371595	AA	CC	1940362930
SNP_P1_115453_32372478	NC_021165.1	Ca_kabuli_chr06	32372478	GG	AA	1940362932
SNP_P1_115454_32372570	NC_021165.1	Ca_kabuli_chr06	32372570	TT	CC	1940362933
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SNP_P1_115459_32372970	NC_021165.1	Ca_kabuli_chr06	32372970	GG	AA	1940362940
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SNP_P1_115462_32373180	NC_021165.1	Ca_kabuli_chr06	32373180	CC	TT	1940362944
SNP_P1_115463_32373182	NC_021165.1	Ca_kabuli_chr06	32373182	GG	TT	1940362945
SNP_P1_115464_32373281	NC_021165.1	Ca_kabuli_chr06	32373281	CC	TT	1940362947
SNP_P1_115465_32373285	NC_021165.1	Ca_kabuli_chr06	32373285	TT	CC	1940362949
SNP_P1_115466_32373304	NC_021165.1	Ca_kabuli_chr06	32373304	TT	GG	1940362951
SNP_P1_115467_32373319	NC_021165.1	Ca_kabuli_chr06	32373319	TT	GG	1940362952
SNP_P1_115468_32373387	NC_021165.1	Ca_kabuli_chr06	32373387	GG	AA	1940362954
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SNP_P1_115470_32373427	NC_021165.1	Ca_kabuli_chr06	32373427	GG	AA	1940362958
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SNP_P1_115472_32373447	NC_021165.1	Ca_kabuli_chr06	32373447	CC	TT	1940362961
SNP_P1_115474_32373652	NC_021165.1	Ca_kabuli_chr06	32373652	AA	TT	1940362963
SNP_P1_115475_32373793	NC_021165.1	Ca_kabuli_chr06	32373793	AA	TT	1940362965
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SNP_P1_115482_32391875	NC_021165.1	Ca_kabuli_chr06	32391875	AA	TT	1940362975
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SNP_P1_115484_32391942	NC_021165.1	Ca_kabuli_chr06	32391942	TT	CC	1940362979
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SNP_P1_115491_32405715	NC_021165.1	Ca_kabuli_chr06	32405715	AA	GG	1940362991
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SNP_P1_115494_32406870	NC_021165.1	Ca_kabuli_chr06	32406870	CC	TT	1940362994
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SNP_P1_115496_32407046	NC_021165.1	Ca_kabuli_chr06	32407046	AA	GG	1940362998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115500_32429391	NC_021165.1	Ca_kabuli_chr06	32429391	AA	GG	1940363005
SNP_P1_115501_32435386	NC_021165.1	Ca_kabuli_chr06	32435386	TT	AA	1940363006
SNP_P1_115502_32450150	NC_021165.1	Ca_kabuli_chr06	32450150	TT	CC	1940363008
SNP_P1_115503_32466570	NC_021165.1	Ca_kabuli_chr06	32466570	CC	TT	1940363010
SNP_P1_115504_32474957	NC_021165.1	Ca_kabuli_chr06	32474957	AA	TT	1940363012
SNP_P1_115505_32476151	NC_021165.1	Ca_kabuli_chr06	32476151	AA	TT	1940363013
SNP_P1_115506_32483903	NC_021165.1	Ca_kabuli_chr06	32483903	AA	GG	1940363015
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SNP_P1_115517_32508840	NC_021165.1	Ca_kabuli_chr06	32508840	GG	AA	1940363034
SNP_P1_115518_32512369	NC_021165.1	Ca_kabuli_chr06	32512369	CC	AA	1940363036
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SNP_P1_115521_32512707	NC_021165.1	Ca_kabuli_chr06	32512707	GG	AA	1940363041
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SNP_P1_115524_32513673	NC_021165.1	Ca_kabuli_chr06	32513673	GG	AA	1940363046
SNP_P1_115525_32513852	NC_021165.1	Ca_kabuli_chr06	32513852	CC	TT	1940363048
SNP_P1_115526_32513943	NC_021165.1	Ca_kabuli_chr06	32513943	AA	CC	1940363050
SNP_P1_115527_32514087	NC_021165.1	Ca_kabuli_chr06	32514087	AA	GG	1940363052
SNP_P1_115528_32519566	NC_021165.1	Ca_kabuli_chr06	32519566	GG	AA	1940363053
SNP_P1_115529_32519573	NC_021165.1	Ca_kabuli_chr06	32519573	CC	GG	1940363055
SNP_P1_115531_32519699	NC_021165.1	Ca_kabuli_chr06	32519699	GG	AA	1940363057
SNP_P1_115532_32519847	NC_021165.1	Ca_kabuli_chr06	32519847	GG	AA	1940363059
SNP_P1_115533_32520026	NC_021165.1	Ca_kabuli_chr06	32520026	GG	CC	1940363060
SNP_P1_115534_32520066	NC_021165.1	Ca_kabuli_chr06	32520066	TT	CC	1940363062
SNP_P1_115535_32520244	NC_021165.1	Ca_kabuli_chr06	32520244	GG	AA	1940363064
SNP_P1_115536_32520392	NC_021165.1	Ca_kabuli_chr06	32520392	TT	CC	1940363066
SNP_P1_115537_32520460	NC_021165.1	Ca_kabuli_chr06	32520460	TT	AA	1940363067
SNP_P1_115538_32520495	NC_021165.1	Ca_kabuli_chr06	32520495	AA	CC	1940363069
SNP_P1_115539_32520504	NC_021165.1	Ca_kabuli_chr06	32520504	GG	AA	1940363071

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115542_32520778	NC_021165.1	Ca_kabuli_chr06	32520778	CC	TT	1940363076
SNP_P1_115543_32521173	NC_021165.1	Ca_kabuli_chr06	32521173	CC	TT	1940363078
SNP_P1_115545_32521631	NC_021165.1	Ca_kabuli_chr06	32521631	TT	AA	1940363079
SNP_P1_115546_32521698	NC_021165.1	Ca_kabuli_chr06	32521698	CC	AA	1940363081
SNP_P1_115547_32521765	NC_021165.1	Ca_kabuli_chr06	32521765	GG	AA	1940363083
SNP_P1_115549_32522005	NC_021165.1	Ca_kabuli_chr06	32522005	TT	CC	1940363085
SNP_P1_115551_32522363	NC_021165.1	Ca_kabuli_chr06	32522363	GG	TT	1940363086
SNP_P1_115552_32522392	NC_021165.1	Ca_kabuli_chr06	32522392	CC	TT	1940363088
SNP_P1_115553_32538970	NC_021165.1	Ca_kabuli_chr06	32538970	TT	CC	1940363090
SNP_P1_115554_32539335	NC_021165.1	Ca_kabuli_chr06	32539335	TT	AA	1940363092
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SNP_P1_115556_32539690	NC_021165.1	Ca_kabuli_chr06	32539690	TT	AA	1940363095
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SNP_P1_115558_32540048	NC_021165.1	Ca_kabuli_chr06	32540048	TT	GG	1940363099
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SNP_P1_115586_32572028	NC_021165.1	Ca_kabuli_chr06	32572028	AA	TT	1940363140
SNP_P1_115587_32592079	NC_021165.1	Ca_kabuli_chr06	32592079	AA	GG	1940363142
SNP_P1_115588_32592081	NC_021165.1	Ca_kabuli_chr06	32592081	CC	TT	1940363144

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115592_32609283	NC_021165.1	Ca_kabuli_chr06	32609283	AA	TT	1940363151
SNP_P1_115593_32609299	NC_021165.1	Ca_kabuli_chr06	32609299	GG	AA	1940363153
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SNP_P1_115595_32609589	NC_021165.1	Ca_kabuli_chr06	32609589	CC	GG	1940363156
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SNP_P1_115597_32609665	NC_021165.1	Ca_kabuli_chr06	32609665	AA	CC	1940363160
SNP_P1_115598_32609670	NC_021165.1	Ca_kabuli_chr06	32609670	GG	AA	1940363161
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SNP_P1_115601_32609793	NC_021165.1	Ca_kabuli_chr06	32609793	AA	GG	1940363167
SNP_P1_115602_32611021	NC_021165.1	Ca_kabuli_chr06	32611021	CC	AA	1940363168
SNP_P1_115603_32611024	NC_021165.1	Ca_kabuli_chr06	32611024	AA	GG	1940363170
SNP_P1_115605_32614291	NC_021165.1	Ca_kabuli_chr06	32614291	CC	TT	1940363172
SNP_P1_115606_32614312	NC_021165.1	Ca_kabuli_chr06	32614312	GG	AA	1940363173
SNP_P1_115607_32614314	NC_021165.1	Ca_kabuli_chr06	32614314	CC	TT	1940363175
SNP_P1_115608_32614320	NC_021165.1	Ca_kabuli_chr06	32614320	GG	AA	1940363177
SNP_P1_115609_32615361	NC_021165.1	Ca_kabuli_chr06	32615361	GG	AA	1940363179
SNP_P1_115610_32615475	NC_021165.1	Ca_kabuli_chr06	32615475	TT	CC	1940363180
SNP_P1_115611_32615486	NC_021165.1	Ca_kabuli_chr06	32615486	TT	CC	1940363182
SNP_P1_115612_32615513	NC_021165.1	Ca_kabuli_chr06	32615513	AA	GG	1940363184
SNP_P1_115613_32615711	NC_021165.1	Ca_kabuli_chr06	32615711	AA	TT	1940363186
SNP_P1_115614_32615730	NC_021165.1	Ca_kabuli_chr06	32615730	TT	CC	1940363187
SNP_P1_115615_32615734	NC_021165.1	Ca_kabuli_chr06	32615734	CC	TT	1940363189
SNP_P1_115617_32623220	NC_021165.1	Ca_kabuli_chr06	32623220	TT	CC	1940363191
SNP_P1_115618_32627891	NC_021165.1	Ca_kabuli_chr06	32627891	GG	AA	1940363192
SNP_P1_115622_32630168	NC_021165.1	Ca_kabuli_chr06	32630168	CC	TT	1940363194
SNP_P1_115623_32630177	NC_021165.1	Ca_kabuli_chr06	32630177	TT	CC	1940363196
SNP_P1_115624_32630194	NC_021165.1	Ca_kabuli_chr06	32630194	CC	TT	1940363198
SNP_P1_115625_32630353	NC_021165.1	Ca_kabuli_chr06	32630353	AA	GG	1940363199
SNP_P1_115626_32630367	NC_021165.1	Ca_kabuli_chr06	32630367	TT	CC	1940363201
SNP_P1_115628_32630610	NC_021165.1	Ca_kabuli_chr06	32630610	CC	GG	1940363203
SNP_P1_115629_32630707	NC_021165.1	Ca_kabuli_chr06	32630707	AA	GG	1940363205
SNP_P1_115630_32633989	NC_021165.1	Ca_kabuli_chr06	32633989	TT	CC	1940363206
SNP_P1_115631_32637964	NC_021165.1	Ca_kabuli_chr06	32637964	TT	CC	1940363208
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SNP_P1_115634_32688879	NC_021165.1	Ca_kabuli_chr06	32688879	AA	CC	1940363212
SNP_P1_115635_32688886	NC_021165.1	Ca_kabuli_chr06	32688886	CC	TT	1940363213
SNP_P1_115636_32689183	NC_021165.1	Ca_kabuli_chr06	32689183	AA	TT	1940363215
SNP_P1_115637_32691031	NC_021165.1	Ca_kabuli_chr06	32691031	GG	AA	1940363217

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115639_32691078	NC_021165.1	Ca_kabuli_chr06	32691078	AA	GG	1940363220
SNP_P1_115640_32695436	NC_021165.1	Ca_kabuli_chr06	32695436	GG	AA	1940363222
SNP_P1_115641_32706687	NC_021165.1	Ca_kabuli_chr06	32706687	TT	CC	1940363224
SNP_P1_115642_32707857	NC_021165.1	Ca_kabuli_chr06	32707857	AA	GG	1940363226
SNP_P1_115643_32711270	NC_021165.1	Ca_kabuli_chr06	32711270	AA	GG	1940363227
SNP_P1_115644_32711271	NC_021165.1	Ca_kabuli_chr06	32711271	AA	CC	1940363229
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SNP_P1_115647_32763524	NC_021165.1	Ca_kabuli_chr06	32763524	GG	AA	1940363233
SNP_P1_115648_32766949	NC_021165.1	Ca_kabuli_chr06	32766949	AA	CC	1940363234
SNP_P1_115649_32767431	NC_021165.1	Ca_kabuli_chr06	32767431	TT	CC	1940363236
SNP_P1_115650_32780175	NC_021165.1	Ca_kabuli_chr06	32780175	TT	GG	1940363238
SNP_P1_115651_32825740	NC_021165.1	Ca_kabuli_chr06	32825740	AA	TT	1940363239
SNP_P1_115653_32826193	NC_021165.1	Ca_kabuli_chr06	32826193	GG	AA	1940363241
SNP_P1_115655_32839383	NC_021165.1	Ca_kabuli_chr06	32839383	TT	CC	1940363243
SNP_P1_115657_32846938	NC_021165.1	Ca_kabuli_chr06	32846938	AA	GG	1940363245
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SNP_P1_115668_32966799	NC_021165.1	Ca_kabuli_chr06	32966799	AA	CC	1940363259
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SNP_P1_115675_33020147	NC_021165.1	Ca_kabuli_chr06	33020147	TT	GG	1940363266
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SNP_P1_115679_33039694	NC_021165.1	Ca_kabuli_chr06	33039694	GG	AA	1940363273
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SNP_P1_115681_33039866	NC_021165.1	Ca_kabuli_chr06	33039866	AA	GG	1940363276
SNP_P1_115682_33039919	NC_021165.1	Ca_kabuli_chr06	33039919	CC	TT	1940363278
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SNP_P1_115685_33054848	NC_021165.1	Ca_kabuli_chr06	33054848	TT	AA	1940363283
SNP_P1_115686_33055211	NC_021165.1	Ca_kabuli_chr06	33055211	GG	AA	1940363285
SNP_P1_115687_33055378	NC_021165.1	Ca_kabuli_chr06	33055378	TT	AA	1940363286
SNP_P1_115688_33055442	NC_021165.1	Ca_kabuli_chr06	33055442	CC	GG	1940363288
SNP_P1_115689_33055492	NC_021165.1	Ca_kabuli_chr06	33055492	AA	CC	1940363290

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115692_33067271	NC_021165.1	Ca_kabuli_chr06	33067271	AA	GG	1940363295
SNP_P1_115693_33087643	NC_021165.1	Ca_kabuli_chr06	33087643	AA	GG	1940363297
SNP_P1_115694_33094115	NC_021165.1	Ca_kabuli_chr06	33094115	GG	AA	1940363299
SNP_P1_115695_33094128	NC_021165.1	Ca_kabuli_chr06	33094128	TT	CC	1940363300
SNP_P1_115696_33094201	NC_021165.1	Ca_kabuli_chr06	33094201	CC	TT	1940363302
SNP_P1_115697_33094227	NC_021165.1	Ca_kabuli_chr06	33094227	GG	CC	1940363304
SNP_P1_115698_33094241	NC_021165.1	Ca_kabuli_chr06	33094241	CC	TT	1940363306
SNP_P1_115699_33094249	NC_021165.1	Ca_kabuli_chr06	33094249	TT	CC	1940363307
SNP_P1_115700_33094269	NC_021165.1	Ca_kabuli_chr06	33094269	AA	GG	1940363309
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SNP_P1_115702_33094309	NC_021165.1	Ca_kabuli_chr06	33094309	GG	AA	1940363313
SNP_P1_115703_33094315	NC_021165.1	Ca_kabuli_chr06	33094315	AA	TT	1940363314
SNP_P1_115704_33094337	NC_021165.1	Ca_kabuli_chr06	33094337	CC	TT	1940363316
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SNP_P1_115706_33094384	NC_021165.1	Ca_kabuli_chr06	33094384	TT	CC	1940363320
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SNP_P1_115712_33094590	NC_021165.1	Ca_kabuli_chr06	33094590	CC	TT	1940363330
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SNP_P1_115716_33094876	NC_021165.1	Ca_kabuli_chr06	33094876	GG	AA	1940363333
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SNP_P1_115720_33105143	NC_021165.1	Ca_kabuli_chr06	33105143	TT	AA	1940363339
SNP_P1_115721_33105185	NC_021165.1	Ca_kabuli_chr06	33105185	CC	TT	1940363340
SNP_P1_115722_33105188	NC_021165.1	Ca_kabuli_chr06	33105188	TT	CC	1940363342
SNP_P1_115723_33105230	NC_021165.1	Ca_kabuli_chr06	33105230	CC	TT	1940363344
SNP_P1_115724_33105246	NC_021165.1	Ca_kabuli_chr06	33105246	GG	AA	1940363346
SNP_P1_115725_33105340	NC_021165.1	Ca_kabuli_chr06	33105340	TT	CC	1940363347
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SNP_P1_115727_33105496	NC_021165.1	Ca_kabuli_chr06	33105496	GG	AA	1940363351
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SNP_P1_115730_33105972	NC_021165.1	Ca_kabuli_chr06	33105972	AA	GG	1940363356
SNP_P1_115731_33106250	NC_021165.1	Ca_kabuli_chr06	33106250	AA	GG	1940363358
SNP_P1_115732_33106397	NC_021165.1	Ca_kabuli_chr06	33106397	GG	AA	1940363360
SNP_P1_115733_33106430	NC_021165.1	Ca_kabuli_chr06	33106430	AA	GG	1940363361
SNP_P1_115734_33106479	NC_021165.1	Ca_kabuli_chr06	33106479	AA	GG	1940363363

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115737_33106568	NC_021165.1	Ca_kabuli_chr06	33106568	AA	GG	1940363368
SNP_P1_115738_33106576	NC_021165.1	Ca_kabuli_chr06	33106576	TT	CC	1940363370
SNP_P1_115739_33106579	NC_021165.1	Ca_kabuli_chr06	33106579	AA	GG	1940363372
SNP_P1_115740_33106591	NC_021165.1	Ca_kabuli_chr06	33106591	TT	CC	1940363374
SNP_P1_115741_33106624	NC_021165.1	Ca_kabuli_chr06	33106624	AA	GG	1940363375
SNP_P1_115742_33112847	NC_021165.1	Ca_kabuli_chr06	33112847	GG	TT	1940363377
SNP_P1_115743_33126416	NC_021165.1	Ca_kabuli_chr06	33126416	AA	CC	1940363379
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SNP_P1_115747_33176504	NC_021165.1	Ca_kabuli_chr06	33176504	TT	AA	1940363386
SNP_P1_115748_33176508	NC_021165.1	Ca_kabuli_chr06	33176508	CC	TT	1940363387
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SNP_P1_115763_33192018	NC_021165.1	Ca_kabuli_chr06	33192018	CC	TT	1940363412
SNP_P1_115764_33210434	NC_021165.1	Ca_kabuli_chr06	33210434	TT	CC	1940363414
SNP_P1_115765_33210467	NC_021165.1	Ca_kabuli_chr06	33210467	CC	AA	1940363415
SNP_P1_115766_33210473	NC_021165.1	Ca_kabuli_chr06	33210473	GG	CC	1940363417
SNP_P1_115767_33210480	NC_021165.1	Ca_kabuli_chr06	33210480	AA	CC	1940363419
SNP_P1_115768_33210548	NC_021165.1	Ca_kabuli_chr06	33210548	AA	TT	1940363421
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SNP_P1_115775_33228473	NC_021165.1	Ca_kabuli_chr06	33228473	GG	AA	1940363433
SNP_P1_115776_33228498	NC_021165.1	Ca_kabuli_chr06	33228498	AA	GG	1940363434
SNP_P1_115777_33228503	NC_021165.1	Ca_kabuli_chr06	33228503	CC	TT	1940363436

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115781_33228598	NC_021165.1	Ca_kabuli_chr06	33228598	TT	AA	1940363443
SNP_P1_115782_33228667	NC_021165.1	Ca_kabuli_chr06	33228667	TT	AA	1940363445
SNP_P1_115783_33228688	NC_021165.1	Ca_kabuli_chr06	33228688	CC	TT	1940363447
SNP_P1_115784_33228923	NC_021165.1	Ca_kabuli_chr06	33228923	TT	GG	1940363448
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SNP_P1_115790_33229398	NC_021165.1	Ca_kabuli_chr06	33229398	AA	CC	1940363452
SNP_P1_115792_33229560	NC_021165.1	Ca_kabuli_chr06	33229560	CC	TT	1940363454
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SNP_P1_115796_33229744	NC_021165.1	Ca_kabuli_chr06	33229744	AA	GG	1940363461
SNP_P1_115797_33229776	NC_021165.1	Ca_kabuli_chr06	33229776	AA	GG	1940363462
SNP_P1_115799_33229821	NC_021165.1	Ca_kabuli_chr06	33229821	TT	GG	1940363464
SNP_P1_115800_33229847	NC_021165.1	Ca_kabuli_chr06	33229847	TT	CC	1940363466
SNP_P1_115801_33229871	NC_021165.1	Ca_kabuli_chr06	33229871	GG	TT	1940363467
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SNP_P1_115814_33230313	NC_021165.1	Ca_kabuli_chr06	33230313	TT	AA	1940363488
SNP_P1_115815_33230328	NC_021165.1	Ca_kabuli_chr06	33230328	TT	CC	1940363490
SNP_P1_115816_33230334	NC_021165.1	Ca_kabuli_chr06	33230334	AA	GG	1940363492
SNP_P1_115817_33230335	NC_021165.1	Ca_kabuli_chr06	33230335	GG	AA	1940363494
SNP_P1_115818_33230346	NC_021165.1	Ca_kabuli_chr06	33230346	CC	GG	1940363495
SNP_P1_115819_33230493	NC_021165.1	Ca_kabuli_chr06	33230493	CC	TT	1940363497
SNP_P1_115820_33230526	NC_021165.1	Ca_kabuli_chr06	33230526	TT	GG	1940363499
SNP_P1_115821_33230578	NC_021165.1	Ca_kabuli_chr06	33230578	CC	TT	1940363501
SNP_P1_115822_33230804	NC_021165.1	Ca_kabuli_chr06	33230804	CC	TT	1940363502
SNP_P1_115824_33232552	NC_021165.1	Ca_kabuli_chr06	33232552	TT	AA	1940363504
SNP_P1_115825_33233555	NC_021165.1	Ca_kabuli_chr06	33233555	TT	AA	1940363506
SNP_P1_115827_33233710	NC_021165.1	Ca_kabuli_chr06	33233710	CC	TT	1940363508
SNP_P1_115828_33233716	NC_021165.1	Ca_kabuli_chr06	33233716	TT	CC	1940363509

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115830_33233768	NC_021165.1	Ca_kabuli_chr06	33233768	CC	TT	1940363513
SNP_P1_115831_33233791	NC_021165.1	Ca_kabuli_chr06	33233791	AA	GG	1940363515
SNP_P1_115832_33233859	NC_021165.1	Ca_kabuli_chr06	33233859	TT	GG	1940363516
SNP_P1_115833_33233870	NC_021165.1	Ca_kabuli_chr06	33233870	GG	TT	1940363518
SNP_P1_115834_33234076	NC_021165.1	Ca_kabuli_chr06	33234076	AA	TT	1940363520
SNP_P1_115836_33234428	NC_021165.1	Ca_kabuli_chr06	33234428	TT	AA	1940363522
SNP_P1_115837_33234444	NC_021165.1	Ca_kabuli_chr06	33234444	TT	CC	1940363523
SNP_P1_115838_33234513	NC_021165.1	Ca_kabuli_chr06	33234513	GG	TT	1940363525
SNP_P1_115839_33234543	NC_021165.1	Ca_kabuli_chr06	33234543	TT	AA	1940363527
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SNP_P1_115841_33236513	NC_021165.1	Ca_kabuli_chr06	33236513	AA	TT	1940363530
SNP_P1_115842_33236611	NC_021165.1	Ca_kabuli_chr06	33236611	AA	GG	1940363532
SNP_P1_115843_33236612	NC_021165.1	Ca_kabuli_chr06	33236612	AA	TT	1940363534
SNP_P1_115844_33237060	NC_021165.1	Ca_kabuli_chr06	33237060	AA	TT	1940363535
SNP_P1_115845_33237379	NC_021165.1	Ca_kabuli_chr06	33237379	CC	AA	1940363537
SNP_P1_115846_33240127	NC_021165.1	Ca_kabuli_chr06	33240127	TT	GG	1940363539
SNP_P1_115847_33240198	NC_021165.1	Ca_kabuli_chr06	33240198	CC	GG	1940363541
SNP_P1_115849_33240301	NC_021165.1	Ca_kabuli_chr06	33240301	CC	AA	1940363542
SNP_P1_115850_33240324	NC_021165.1	Ca_kabuli_chr06	33240324	TT	CC	1940363544
SNP_P1_115851_33240364	NC_021165.1	Ca_kabuli_chr06	33240364	CC	TT	1940363546
SNP_P1_115853_33240405	NC_021165.1	Ca_kabuli_chr06	33240405	TT	GG	1940363548
SNP_P1_115854_33240416	NC_021165.1	Ca_kabuli_chr06	33240416	GG	TT	1940363549
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SNP_P1_115856_33240538	NC_021165.1	Ca_kabuli_chr06	33240538	TT	AA	1940363553
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SNP_P1_115860_33240617	NC_021165.1	Ca_kabuli_chr06	33240617	AA	GG	1940363560
SNP_P1_115861_33240651	NC_021165.1	Ca_kabuli_chr06	33240651	GG	AA	1940363562
SNP_P1_115862_33240685	NC_021165.1	Ca_kabuli_chr06	33240685	CC	TT	1940363563
SNP_P1_115864_33240811	NC_021165.1	Ca_kabuli_chr06	33240811	GG	CC	1940363565
SNP_P1_115865_33240844	NC_021165.1	Ca_kabuli_chr06	33240844	TT	CC	1940363567
SNP_P1_115866_33240911	NC_021165.1	Ca_kabuli_chr06	33240911	AA	GG	1940363569
SNP_P1_115867_33240966	NC_021165.1	Ca_kabuli_chr06	33240966	AA	GG	1940363570
SNP_P1_115868_33241158	NC_021165.1	Ca_kabuli_chr06	33241158	AA	GG	1940363572
SNP_P1_115869_33241203	NC_021165.1	Ca_kabuli_chr06	33241203	TT	AA	1940363574
SNP_P1_115870_33241211	NC_021165.1	Ca_kabuli_chr06	33241211	GG	AA	1940363575
SNP_P1_115871_33241236	NC_021165.1	Ca_kabuli_chr06	33241236	CC	AA	1940363577
SNP_P1_115872_33241247	NC_021165.1	Ca_kabuli_chr06	33241247	CC	TT	1940363579
SNP_P1_115873_33241264	NC_021165.1	Ca_kabuli_chr06	33241264	CC	TT	1940363581
SNP_P1_115874_33241304	NC_021165.1	Ca_kabuli_chr06	33241304	CC	AA	1940363582

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115876_33241343	NC_021165.1	Ca_kabuli_chr06	33241343	AA	GG	1940363586
SNP_P1_115877_33241487	NC_021165.1	Ca_kabuli_chr06	33241487	GG	TT	1940363588
SNP_P1_115880_33265837	NC_021165.1	Ca_kabuli_chr06	33265837	AA	GG	1940363589
SNP_P1_115881_33282965	NC_021165.1	Ca_kabuli_chr06	33282965	AA	GG	1940363591
SNP_P1_115882_33282973	NC_021165.1	Ca_kabuli_chr06	33282973	TT	CC	1940363593
SNP_P1_115883_33283032	NC_021165.1	Ca_kabuli_chr06	33283032	AA	TT	1940363595
SNP_P1_115884_33283038	NC_021165.1	Ca_kabuli_chr06	33283038	GG	TT	1940363596
SNP_P1_115885_33283053	NC_021165.1	Ca_kabuli_chr06	33283053	CC	AA	1940363598
SNP_P1_115886_33283058	NC_021165.1	Ca_kabuli_chr06	33283058	TT	AA	1940363600
SNP_P1_115887_33283076	NC_021165.1	Ca_kabuli_chr06	33283076	TT	CC	1940363602
SNP_P1_115888_33283094	NC_021165.1	Ca_kabuli_chr06	33283094	CC	TT	1940363603
SNP_P1_115889_33283115	NC_021165.1	Ca_kabuli_chr06	33283115	AA	TT	1940363605
SNP_P1_115890_33283123	NC_021165.1	Ca_kabuli_chr06	33283123	AA	GG	1940363607
SNP_P1_115891_33283129	NC_021165.1	Ca_kabuli_chr06	33283129	GG	AA	1940363608
SNP_P1_115892_33283149	NC_021165.1	Ca_kabuli_chr06	33283149	GG	TT	1940363610
SNP_P1_115893_33283176	NC_021165.1	Ca_kabuli_chr06	33283176	GG	AA	1940363612
SNP_P1_115894_33283210	NC_021165.1	Ca_kabuli_chr06	33283210	GG	AA	1940363614
SNP_P1_115895_33283227	NC_021165.1	Ca_kabuli_chr06	33283227	GG	AA	1940363615
SNP_P1_115896_33283326	NC_021165.1	Ca_kabuli_chr06	33283326	CC	GG	1940363617
SNP_P1_115897_33283365	NC_021165.1	Ca_kabuli_chr06	33283365	CC	TT	1940363619
SNP_P1_115898_33283381	NC_021165.1	Ca_kabuli_chr06	33283381	TT	GG	1940363621
SNP_P1_115899_33283440	NC_021165.1	Ca_kabuli_chr06	33283440	CC	TT	1940363622
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SNP_P1_115901_33285213	NC_021165.1	Ca_kabuli_chr06	33285213	AA	TT	1940363626
SNP_P1_115902_33285227	NC_021165.1	Ca_kabuli_chr06	33285227	AA	TT	1940363628
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SNP_P1_115905_33285279	NC_021165.1	Ca_kabuli_chr06	33285279	TT	AA	1940363633
SNP_P1_115906_33285288	NC_021165.1	Ca_kabuli_chr06	33285288	CC	AA	1940363635
SNP_P1_115908_33286809	NC_021165.1	Ca_kabuli_chr06	33286809	AA	GG	1940363636
SNP_P1_115909_33293477	NC_021165.1	Ca_kabuli_chr06	33293477	AA	TT	1940363638
SNP_P1_115910_33293521	NC_021165.1	Ca_kabuli_chr06	33293521	GG	AA	1940363640
SNP_P1_115911_33293535	NC_021165.1	Ca_kabuli_chr06	33293535	CC	TT	1940363642
SNP_P1_115912_33293560	NC_021165.1	Ca_kabuli_chr06	33293560	CC	TT	1940363643
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SNP_P1_115914_33293679	NC_021165.1	Ca_kabuli_chr06	33293679	GG	TT	1940363647
SNP_P1_115915_33293697	NC_021165.1	Ca_kabuli_chr06	33293697	AA	GG	1940363648
SNP_P1_115916_33293737	NC_021165.1	Ca_kabuli_chr06	33293737	GG	AA	1940363650
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SNP_P1_115919_33293792	NC_021165.1	Ca_kabuli_chr06	33293792	AA	GG	1940363655

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115921_33293862	NC_021165.1	Ca_kabuli_chr06	33293862	TT	GG	1940363659
SNP_P1_115922_33294181	NC_021165.1	Ca_kabuli_chr06	33294181	GG	AA	1940363661
SNP_P1_115923_33294187	NC_021165.1	Ca_kabuli_chr06	33294187	CC	GG	1940363662
SNP_P1_115924_33295156	NC_021165.1	Ca_kabuli_chr06	33295156	CC	TT	1940363664
SNP_P1_115925_33295207	NC_021165.1	Ca_kabuli_chr06	33295207	GG	AA	1940363666
SNP_P1_115926_33295248	NC_021165.1	Ca_kabuli_chr06	33295248	GG	TT	1940363668
SNP_P1_115927_33295284	NC_021165.1	Ca_kabuli_chr06	33295284	TT	CC	1940363669
SNP_P1_115928_33295296	NC_021165.1	Ca_kabuli_chr06	33295296	AA	GG	1940363671
SNP_P1_115929_33295346	NC_021165.1	Ca_kabuli_chr06	33295346	TT	CC	1940363672
SNP_P1_115931_33295372	NC_021165.1	Ca_kabuli_chr06	33295372	AA	TT	1940363674
SNP_P1_115932_33295391	NC_021165.1	Ca_kabuli_chr06	33295391	TT	CC	1940363676
SNP_P1_115933_33295478	NC_021165.1	Ca_kabuli_chr06	33295478	TT	AA	1940363678
SNP_P1_115934_33295551	NC_021165.1	Ca_kabuli_chr06	33295551	GG	TT	1940363679
SNP_P1_115935_33295749	NC_021165.1	Ca_kabuli_chr06	33295749	GG	CC	1940363681
SNP_P1_115936_33295771	NC_021165.1	Ca_kabuli_chr06	33295771	GG	AA	1940363683
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SNP_P1_115942_33295998	NC_021165.1	Ca_kabuli_chr06	33295998	TT	CC	1940363693
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SNP_P1_115952_33296423	NC_021165.1	Ca_kabuli_chr06	33296423	TT	CC	1940363709
SNP_P1_115953_33296474	NC_021165.1	Ca_kabuli_chr06	33296474	CC	TT	1940363711
SNP_P1_115954_33296570	NC_021165.1	Ca_kabuli_chr06	33296570	TT	CC	1940363712
SNP_P1_115955_33296606	NC_021165.1	Ca_kabuli_chr06	33296606	AA	TT	1940363714
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SNP_P1_115957_33296672	NC_021165.1	Ca_kabuli_chr06	33296672	CC	AA	1940363718
SNP_P1_115958_33296692	NC_021165.1	Ca_kabuli_chr06	33296692	AA	GG	1940363719
SNP_P1_115959_33296728	NC_021165.1	Ca_kabuli_chr06	33296728	GG	AA	1940363721
SNP_P1_115960_33296746	NC_021165.1	Ca_kabuli_chr06	33296746	CC	TT	1940363723
SNP_P1_115961_33296784	NC_021165.1	Ca_kabuli_chr06	33296784	AA	GG	1940363725
SNP_P1_115962_33296822	NC_021165.1	Ca_kabuli_chr06	33296822	CC	GG	1940363726
SNP_P1_115963_33296836	NC_021165.1	Ca_kabuli_chr06	33296836	GG	AA	1940363728

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_115966_33296936	NC_021165.1	Ca_kabuli_chr06	33296936	GG	AA	1940363733
SNP_P1_115967_33296952	NC_021165.1	Ca_kabuli_chr06	33296952	AA	GG	1940363735
SNP_P1_115968_33297091	NC_021165.1	Ca_kabuli_chr06	33297091	AA	CC	1940363737
SNP_P1_115969_33297132	NC_021165.1	Ca_kabuli_chr06	33297132	TT	CC	1940363739
SNP_P1_115970_33297152	NC_021165.1	Ca_kabuli_chr06	33297152	TT	GG	1940363740
SNP_P1_115971_33297159	NC_021165.1	Ca_kabuli_chr06	33297159	AA	GG	1940363742
SNP_P1_115972_33297204	NC_021165.1	Ca_kabuli_chr06	33297204	CC	TT	1940363744
SNP_P1_115973_33297272	NC_021165.1	Ca_kabuli_chr06	33297272	GG	AA	1940363745
SNP_P1_115974_33297316	NC_021165.1	Ca_kabuli_chr06	33297316	CC	AA	1940363747
SNP_P1_115975_33297426	NC_021165.1	Ca_kabuli_chr06	33297426	AA	GG	1940363749
SNP_P1_115976_33298964	NC_021165.1	Ca_kabuli_chr06	33298964	AA	CC	1940363751
SNP_P1_115977_33299787	NC_021165.1	Ca_kabuli_chr06	33299787	TT	CC	1940363752
SNP_P1_115978_33299852	NC_021165.1	Ca_kabuli_chr06	33299852	AA	TT	1940363754
SNP_P1_115980_33299899	NC_021165.1	Ca_kabuli_chr06	33299899	TT	GG	1940363756
SNP_P1_115981_33299943	NC_021165.1	Ca_kabuli_chr06	33299943	CC	GG	1940363758
SNP_P1_115982_33299944	NC_021165.1	Ca_kabuli_chr06	33299944	TT	AA	1940363759
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SNP_P1_115986_33300070	NC_021165.1	Ca_kabuli_chr06	33300070	GG	TT	1940363766
SNP_P1_115987_33300080	NC_021165.1	Ca_kabuli_chr06	33300080	GG	AA	1940363768
SNP_P1_115988_33300123	NC_021165.1	Ca_kabuli_chr06	33300123	AA	TT	1940363770
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SNP_P1_115990_33300188	NC_021165.1	Ca_kabuli_chr06	33300188	AA	GG	1940363773
SNP_P1_115991_33300231	NC_021165.1	Ca_kabuli_chr06	33300231	CC	TT	1940363775
SNP_P1_115992_33301167	NC_021165.1	Ca_kabuli_chr06	33301167	GG	AA	1940363777
SNP_P1_115993_33301191	NC_021165.1	Ca_kabuli_chr06	33301191	GG	AA	1940363779
SNP_P1_115994_33301222	NC_021165.1	Ca_kabuli_chr06	33301222	TT	AA	1940363780
SNP_P1_115995_33301234	NC_021165.1	Ca_kabuli_chr06	33301234	CC	TT	1940363782
SNP_P1_115997_33310241	NC_021165.1	Ca_kabuli_chr06	33310241	AA	GG	1940363784
SNP_P1_115998_33310242	NC_021165.1	Ca_kabuli_chr06	33310242	CC	AA	1940363786
SNP_P1_115999_33314023	NC_021165.1	Ca_kabuli_chr06	33314023	AA	TT	1940363787
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SNP_P1_116001_33314063	NC_021165.1	Ca_kabuli_chr06	33314063	GG	AA	1940363791
SNP_P1_116002_33314086	NC_021165.1	Ca_kabuli_chr06	33314086	AA	TT	1940363793
SNP_P1_116003_33316679	NC_021165.1	Ca_kabuli_chr06	33316679	CC	TT	1940363794
SNP_P1_116004_33316715	NC_021165.1	Ca_kabuli_chr06	33316715	AA	GG	1940363796
SNP_P1_116005_33317507	NC_021165.1	Ca_kabuli_chr06	33317507	CC	TT	1940363798
SNP_P1_116006_33317511	NC_021165.1	Ca_kabuli_chr06	33317511	AA	GG	1940363799
SNP_P1_116007_33318251	NC_021165.1	Ca_kabuli_chr06	33318251	GG	AA	1940363801

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116009_33318662	NC_021165.1	Ca_kabuli_chr06	33318662	AA	GG	1940363805
SNP_P1_116010_33332138	NC_021165.1	Ca_kabuli_chr06	33332138	AA	GG	1940363806
SNP_P1_116013_33340340	NC_021165.1	Ca_kabuli_chr06	33340340	AA	GG	1940363808
SNP_P1_116014_33340581	NC_021165.1	Ca_kabuli_chr06	33340581	CC	TT	1940363810
SNP_P1_116015_33340584	NC_021165.1	Ca_kabuli_chr06	33340584	AA	CC	1940363812
SNP_P1_116016_33340590	NC_021165.1	Ca_kabuli_chr06	33340590	AA	TT	1940363813
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SNP_P1_116018_33340775	NC_021165.1	Ca_kabuli_chr06	33340775	GG	TT	1940363817
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SNP_P1_116021_33340891	NC_021165.1	Ca_kabuli_chr06	33340891	CC	TT	1940363820
SNP_P1_116022_33340909	NC_021165.1	Ca_kabuli_chr06	33340909	TT	CC	1940363822
SNP_P1_116023_33340911	NC_021165.1	Ca_kabuli_chr06	33340911	GG	AA	1940363824
SNP_P1_116024_33340994	NC_021165.1	Ca_kabuli_chr06	33340994	AA	GG	1940363826
SNP_P1_116025_33341001	NC_021165.1	Ca_kabuli_chr06	33341001	AA	GG	1940363827
SNP_P1_116026_33341024	NC_021165.1	Ca_kabuli_chr06	33341024	TT	CC	1940363829
SNP_P1_116027_33341074	NC_021165.1	Ca_kabuli_chr06	33341074	CC	TT	1940363831
SNP_P1_116028_33341077	NC_021165.1	Ca_kabuli_chr06	33341077	TT	CC	1940363833
SNP_P1_116029_33341154	NC_021165.1	Ca_kabuli_chr06	33341154	GG	AA	1940363834
SNP_P1_116030_33341161	NC_021165.1	Ca_kabuli_chr06	33341161	CC	AA	1940363836
SNP_P1_116031_33341241	NC_021165.1	Ca_kabuli_chr06	33341241	TT	CC	1940363838
SNP_P1_116032_33341336	NC_021165.1	Ca_kabuli_chr06	33341336	GG	TT	1940363840
SNP_P1_116033_33341349	NC_021165.1	Ca_kabuli_chr06	33341349	TT	CC	1940363841
SNP_P1_116034_33341363	NC_021165.1	Ca_kabuli_chr06	33341363	GG	AA	1940363843
SNP_P1_116035_33341480	NC_021165.1	Ca_kabuli_chr06	33341480	TT	CC	1940363845
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SNP_P1_116041_33358386	NC_021165.1	Ca_kabuli_chr06	33358386	GG	AA	1940363855
SNP_P1_116042_33361669	NC_021165.1	Ca_kabuli_chr06	33361669	TT	CC	1940363857
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SNP_P1_116044_33394774	NC_021165.1	Ca_kabuli_chr06	33394774	AA	TT	1940363860
SNP_P1_116045_33404912	NC_021165.1	Ca_kabuli_chr06	33404912	AA	GG	1940363862
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SNP_P1_116047_33409337	NC_021165.1	Ca_kabuli_chr06	33409337	CC	TT	1940363866
SNP_P1_116048_33409657	NC_021165.1	Ca_kabuli_chr06	33409657	CC	AA	1940363867
SNP_P1_116049_33412328	NC_021165.1	Ca_kabuli_chr06	33412328	TT	AA	1940363869
SNP_P1_116050_33414606	NC_021165.1	Ca_kabuli_chr06	33414606	TT	GG	1940363871
SNP_P1_116051_33423333	NC_021165.1	Ca_kabuli_chr06	33423333	GG	TT	1940363873
SNP_P1_116052_33428210	NC_021165.1	Ca_kabuli_chr06	33428210	CC	TT	1940363874

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116055_33444632	NC_021165.1	Ca_kabuli_chr06	33444632	AA	CC	1940363880
SNP_P1_116056_33444633	NC_021165.1	Ca_kabuli_chr06	33444633	AA	TT	1940363881
SNP_P1_116057_33444634	NC_021165.1	Ca_kabuli_chr06	33444634	GG	CC	1940363883
SNP_P1_116058_33444855	NC_021165.1	Ca_kabuli_chr06	33444855	CC	TT	1940363885
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SNP_P1_116060_33457876	NC_021165.1	Ca_kabuli_chr06	33457876	GG	TT	1940363888
SNP_P1_116061_33457890	NC_021165.1	Ca_kabuli_chr06	33457890	CC	TT	1940363890
SNP_P1_116062_33457923	NC_021165.1	Ca_kabuli_chr06	33457923	TT	CC	1940363892
SNP_P1_116063_33457937	NC_021165.1	Ca_kabuli_chr06	33457937	CC	TT	1940363894
SNP_P1_116064_33458072	NC_021165.1	Ca_kabuli_chr06	33458072	CC	TT	1940363895
SNP_P1_116065_33458349	NC_021165.1	Ca_kabuli_chr06	33458349	AA	GG	1940363897
SNP_P1_116066_33466055	NC_021165.1	Ca_kabuli_chr06	33466055	TT	CC	1940363899
SNP_P1_116067_33467907	NC_021165.1	Ca_kabuli_chr06	33467907	AA	GG	1940363901
SNP_P1_116068_33474414	NC_021165.1	Ca_kabuli_chr06	33474414	GG	AA	1940363902
SNP_P1_116069_33474471	NC_021165.1	Ca_kabuli_chr06	33474471	CC	TT	1940363904
SNP_P1_116070_33474472	NC_021165.1	Ca_kabuli_chr06	33474472	AA	TT	1940363906
SNP_P1_116072_33490678	NC_021165.1	Ca_kabuli_chr06	33490678	GG	AA	1940363908
SNP_P1_116073_33496466	NC_021165.1	Ca_kabuli_chr06	33496466	TT	CC	1940363909
SNP_P1_116074_33496469	NC_021165.1	Ca_kabuli_chr06	33496469	GG	AA	1940363911
SNP_P1_116075_33496470	NC_021165.1	Ca_kabuli_chr06	33496470	AA	GG	1940363913
SNP_P1_116076_33496475	NC_021165.1	Ca_kabuli_chr06	33496475	GG	AA	1940363914
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SNP_P1_116078_33496490	NC_021165.1	Ca_kabuli_chr06	33496490	CC	TT	1940363918
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SNP_P1_116082_33508438	NC_021165.1	Ca_kabuli_chr06	33508438	AA	TT	1940363925
SNP_P1_116083_33526708	NC_021165.1	Ca_kabuli_chr06	33526708	TT	CC	1940363927
SNP_P1_116085_33562172	NC_021165.1	Ca_kabuli_chr06	33562172	GG	AA	1940363928
SNP_P1_116086_33564369	NC_021165.1	Ca_kabuli_chr06	33564369	CC	TT	1940363930
SNP_P1_116087_33575309	NC_021165.1	Ca_kabuli_chr06	33575309	AA	TT	1940363932
SNP_P1_116088_33589864	NC_021165.1	Ca_kabuli_chr06	33589864	TT	AA	1940363934
SNP_P1_116089_33597999	NC_021165.1	Ca_kabuli_chr06	33597999	AA	GG	1940363935
SNP_P1_116090_33612205	NC_021165.1	Ca_kabuli_chr06	33612205	GG	AA	1940363937
SNP_P1_116091_33612211	NC_021165.1	Ca_kabuli_chr06	33612211	TT	CC	1940363939
SNP_P1_116092_33612223	NC_021165.1	Ca_kabuli_chr06	33612223	GG	AA	1940363941
SNP_P1_116093_33612289	NC_021165.1	Ca_kabuli_chr06	33612289	GG	AA	1940363942
SNP_P1_116094_33621684	NC_021165.1	Ca_kabuli_chr06	33621684	TT	AA	1940363944
SNP_P1_116095_33624742	NC_021165.1	Ca_kabuli_chr06	33624742	TT	CC	1940363946
SNP_P1_116096_33633062	NC_021165.1	Ca_kabuli_chr06	33633062	TT	CC	1940363948

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116099_33649148	NC_021165.1	Ca_kabuli_chr06	33649148	GG	TT	1940363953
SNP_P1_116100_33650869	NC_021165.1	Ca_kabuli_chr06	33650869	TT	CC	1940363955
SNP_P1_116101_33650878	NC_021165.1	Ca_kabuli_chr06	33650878	GG	AA	1940363956
SNP_P1_116102_33650896	NC_021165.1	Ca_kabuli_chr06	33650896	CC	TT	1940363958
SNP_P1_116103_33650908	NC_021165.1	Ca_kabuli_chr06	33650908	TT	CC	1940363960
SNP_P1_116104_33651239	NC_021165.1	Ca_kabuli_chr06	33651239	AA	GG	1940363962
SNP_P1_116105_33651308	NC_021165.1	Ca_kabuli_chr06	33651308	TT	CC	1940363963
SNP_P1_116106_33651311	NC_021165.1	Ca_kabuli_chr06	33651311	TT	CC	1940363965
SNP_P1_116107_33651323	NC_021165.1	Ca_kabuli_chr06	33651323	CC	TT	1940363967
SNP_P1_116108_33651326	NC_021165.1	Ca_kabuli_chr06	33651326	GG	AA	1940363968
SNP_P1_116109_33651375	NC_021165.1	Ca_kabuli_chr06	33651375	TT	CC	1940363970
SNP_P1_116110_33651394	NC_021165.1	Ca_kabuli_chr06	33651394	GG	AA	1940363972
SNP_P1_116111_33651527	NC_021165.1	Ca_kabuli_chr06	33651527	TT	CC	1940363974
SNP_P1_116112_33651739	NC_021165.1	Ca_kabuli_chr06	33651739	GG	AA	1940363975
SNP_P1_116113_33654943	NC_021165.1	Ca_kabuli_chr06	33654943	TT	CC	1940363977
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SNP_P1_116116_33655345	NC_021165.1	Ca_kabuli_chr06	33655345	AA	TT	1940363982
SNP_P1_116117_33655992	NC_021165.1	Ca_kabuli_chr06	33655992	GG	AA	1940363984
SNP_P1_116118_33657608	NC_021165.1	Ca_kabuli_chr06	33657608	GG	AA	1940363986
SNP_P1_116119_33659344	NC_021165.1	Ca_kabuli_chr06	33659344	CC	TT	1940363988
SNP_P1_116120_33686597	NC_021165.1	Ca_kabuli_chr06	33686597	GG	AA	1940363989
SNP_P1_116121_33705006	NC_021165.1	Ca_kabuli_chr06	33705006	GG	TT	1940363991
SNP_P1_116122_33736144	NC_021165.1	Ca_kabuli_chr06	33736144	AA	CC	1940363993
SNP_P1_116123_33736550	NC_021165.1	Ca_kabuli_chr06	33736550	GG	AA	1940363995
SNP_P1_116124_33757094	NC_021165.1	Ca_kabuli_chr06	33757094	AA	GG	1940363996
SNP_P1_116127_33786497	NC_021165.1	Ca_kabuli_chr06	33786497	CC	GG	1940363998
SNP_P1_116128_33787248	NC_021165.1	Ca_kabuli_chr06	33787248	GG	AA	1940364000
SNP_P1_116129_33787257	NC_021165.1	Ca_kabuli_chr06	33787257	GG	AA	1940364001
SNP_P1_116130_33797059	NC_021165.1	Ca_kabuli_chr06	33797059	CC	GG	1940364003
SNP_P1_116132_33820530	NC_021165.1	Ca_kabuli_chr06	33820530	CC	TT	1940364005
SNP_P1_116133_33845298	NC_021165.1	Ca_kabuli_chr06	33845298	AA	TT	1940364007
SNP_P1_116134_33855253	NC_021165.1	Ca_kabuli_chr06	33855253	AA	CC	1940364008
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SNP_P1_116137_33870496	NC_021165.1	Ca_kabuli_chr06	33870496	GG	AA	1940364012
SNP_P1_116138_33877877	NC_021165.1	Ca_kabuli_chr06	33877877	AA	GG	1940364014
SNP_P1_116139_33877896	NC_021165.1	Ca_kabuli_chr06	33877896	GG	AA	1940364015
SNP_P1_116140_33886236	NC_021165.1	Ca_kabuli_chr06	33886236	AA	CC	1940364017
SNP_P1_116142_33886581	NC_021165.1	Ca_kabuli_chr06	33886581	CC	AA	1940364019
SNP_P1_116143_33886589	NC_021165.1	Ca_kabuli_chr06	33886589	CC	TT	1940364021

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116146_33922656	NC_021165.1	Ca_kabuli_chr06	33922656	CC	AA	1940364026
SNP_P1_116147_33937751	NC_021165.1	Ca_kabuli_chr06	33937751	TT	AA	1940364028
SNP_P1_116148_33941866	NC_021165.1	Ca_kabuli_chr06	33941866	CC	TT	1940364029
SNP_P1_116149_33942074	NC_021165.1	Ca_kabuli_chr06	33942074	AA	GG	1940364031
SNP_P1_116150_33942175	NC_021165.1	Ca_kabuli_chr06	33942175	GG	CC	1940364033
SNP_P1_116152_33972506	NC_021165.1	Ca_kabuli_chr06	33972506	GG	TT	1940364035
SNP_P1_116153_33974241	NC_021165.1	Ca_kabuli_chr06	33974241	AA	TT	1940364036
SNP_P1_116154_33974244	NC_021165.1	Ca_kabuli_chr06	33974244	CC	AA	1940364038
SNP_P1_116155_33980966	NC_021165.1	Ca_kabuli_chr06	33980966	TT	AA	1940364040
SNP_P1_116156_33981005	NC_021165.1	Ca_kabuli_chr06	33981005	AA	GG	1940364042
SNP_P1_116157_33986296	NC_021165.1	Ca_kabuli_chr06	33986296	AA	GG	1940364043
SNP_P1_116158_33986325	NC_021165.1	Ca_kabuli_chr06	33986325	TT	CC	1940364045
SNP_P1_116159_33988544	NC_021165.1	Ca_kabuli_chr06	33988544	TT	CC	1940364047
SNP_P1_116161_33988794	NC_021165.1	Ca_kabuli_chr06	33988794	GG	AA	1940364049
SNP_P1_116162_33988987	NC_021165.1	Ca_kabuli_chr06	33988987	TT	AA	1940364050
SNP_P1_116163_33989002	NC_021165.1	Ca_kabuli_chr06	33989002	TT	GG	1940364052
SNP_P1_116164_33989015	NC_021165.1	Ca_kabuli_chr06	33989015	GG	AA	1940364054
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SNP_P1_116170_33995851	NC_021165.1	Ca_kabuli_chr06	33995851	AA	GG	1940364064
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SNP_P1_116177_34024609	NC_021165.1	Ca_kabuli_chr06	34024609	CC	GG	1940364075
SNP_P1_116178_34029738	NC_021165.1	Ca_kabuli_chr06	34029738	CC	AA	1940364076
SNP_P1_116179_34029746	NC_021165.1	Ca_kabuli_chr06	34029746	TT	AA	1940364078
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SNP_P1_116182_34029935	NC_021165.1	Ca_kabuli_chr06	34029935	AA	GG	1940364083
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SNP_P1_116185_34039858	NC_021165.1	Ca_kabuli_chr06	34039858	CC	GG	1940364089
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SNP_P1_116187_34052328	NC_021165.1	Ca_kabuli_chr06	34052328	CC	GG	1940364092
SNP_P1_116189_34054707	NC_021165.1	Ca_kabuli_chr06	34054707	CC	TT	1940364094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116193_34058695	NC_021165.1	Ca_kabuli_chr06	34058695	TT	CC	1940364101
SNP_P1_116194_34060404	NC_021165.1	Ca_kabuli_chr06	34060404	TT	CC	1940364103
SNP_P1_116195_34062645	NC_021165.1	Ca_kabuli_chr06	34062645	AA	GG	1940364104
SNP_P1_116196_34065190	NC_021165.1	Ca_kabuli_chr06	34065190	CC	TT	1940364106
SNP_P1_116197_34065508	NC_021165.1	Ca_kabuli_chr06	34065508	TT	AA	1940364108
SNP_P1_116198_34076633	NC_021165.1	Ca_kabuli_chr06	34076633	GG	AA	1940364109
SNP_P1_116199_34085209	NC_021165.1	Ca_kabuli_chr06	34085209	CC	GG	1940364111
SNP_P1_116200_34085210	NC_021165.1	Ca_kabuli_chr06	34085210	CC	TT	1940364113
SNP_P1_116201_34085785	NC_021165.1	Ca_kabuli_chr06	34085785	AA	GG	1940364115
SNP_P1_116202_34117049	NC_021165.1	Ca_kabuli_chr06	34117049	TT	AA	1940364116
SNP_P1_116203_34117710	NC_021165.1	Ca_kabuli_chr06	34117710	AA	TT	1940364118
SNP_P1_116204_34117738	NC_021165.1	Ca_kabuli_chr06	34117738	AA	GG	1940364120
SNP_P1_116205_34118061	NC_021165.1	Ca_kabuli_chr06	34118061	CC	AA	1940364122
SNP_P1_116206_34118701	NC_021165.1	Ca_kabuli_chr06	34118701	AA	GG	1940364123
SNP_P1_116207_34118722	NC_021165.1	Ca_kabuli_chr06	34118722	AA	TT	1940364125
SNP_P1_116208_34118730	NC_021165.1	Ca_kabuli_chr06	34118730	TT	CC	1940364127
SNP_P1_116209_34118740	NC_021165.1	Ca_kabuli_chr06	34118740	TT	CC	1940364129
SNP_P1_116210_34118745	NC_021165.1	Ca_kabuli_chr06	34118745	GG	AA	1940364130
SNP_P1_116211_34125283	NC_021165.1	Ca_kabuli_chr06	34125283	GG	CC	1940364132
SNP_P1_116212_34125795	NC_021165.1	Ca_kabuli_chr06	34125795	AA	GG	1940364134
SNP_P1_116213_34135502	NC_021165.1	Ca_kabuli_chr06	34135502	TT	GG	1940364136
SNP_P1_116214_34135572	NC_021165.1	Ca_kabuli_chr06	34135572	TT	GG	1940364137
SNP_P1_116215_34137141	NC_021165.1	Ca_kabuli_chr06	34137141	TT	AA	1940364139
SNP_P1_116216_34144518	NC_021165.1	Ca_kabuli_chr06	34144518	TT	AA	1940364141
SNP_P1_116217_34144528	NC_021165.1	Ca_kabuli_chr06	34144528	TT	GG	1940364143
SNP_P1_116218_34144550	NC_021165.1	Ca_kabuli_chr06	34144550	GG	AA	1940364144
SNP_P1_116219_34144576	NC_021165.1	Ca_kabuli_chr06	34144576	GG	CC	1940364146
SNP_P1_116220_34144590	NC_021165.1	Ca_kabuli_chr06	34144590	AA	TT	1940364148
SNP_P1_116221_34144594	NC_021165.1	Ca_kabuli_chr06	34144594	CC	TT	1940364150
SNP_P1_116222_34144606	NC_021165.1	Ca_kabuli_chr06	34144606	AA	GG	1940364151
SNP_P1_116223_34144620	NC_021165.1	Ca_kabuli_chr06	34144620	AA	CC	1940364153
SNP_P1_116224_34144649	NC_021165.1	Ca_kabuli_chr06	34144649	TT	AA	1940364155
SNP_P1_116225_34144653	NC_021165.1	Ca_kabuli_chr06	34144653	AA	TT	1940364156
SNP_P1_116226_34144654	NC_021165.1	Ca_kabuli_chr06	34144654	TT	AA	1940364158
SNP_P1_116227_34144669	NC_021165.1	Ca_kabuli_chr06	34144669	CC	GG	1940364160
SNP_P1_116228_34144962	NC_021165.1	Ca_kabuli_chr06	34144962	TT	AA	1940364162
SNP_P1_116229_34144975	NC_021165.1	Ca_kabuli_chr06	34144975	AA	GG	1940364163
SNP_P1_116230_34144983	NC_021165.1	Ca_kabuli_chr06	34144983	GG	CC	1940364165
SNP_P1_116231_34145005	NC_021165.1	Ca_kabuli_chr06	34145005	TT	GG	1940364167

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116235_34161977	NC_021165.1	Ca_kabuli_chr06	34161977	AA	TT	1940364172
SNP_P1_116236_34161978	NC_021165.1	Ca_kabuli_chr06	34161978	GG	AA	1940364174
SNP_P1_116237_34161990	NC_021165.1	Ca_kabuli_chr06	34161990	TT	CC	1940364176
SNP_P1_116238_34162053	NC_021165.1	Ca_kabuli_chr06	34162053	TT	CC	1940364177
SNP_P1_116239_34162098	NC_021165.1	Ca_kabuli_chr06	34162098	AA	TT	1940364179
SNP_P1_116240_34162115	NC_021165.1	Ca_kabuli_chr06	34162115	AA	GG	1940364181
SNP_P1_116242_34162270	NC_021165.1	Ca_kabuli_chr06	34162270	TT	AA	1940364183
SNP_P1_116243_34162299	NC_021165.1	Ca_kabuli_chr06	34162299	GG	TT	1940364184
SNP_P1_116244_34162372	NC_021165.1	Ca_kabuli_chr06	34162372	AA	CC	1940364186
SNP_P1_116245_34162483	NC_021165.1	Ca_kabuli_chr06	34162483	AA	TT	1940364188
SNP_P1_116246_34162583	NC_021165.1	Ca_kabuli_chr06	34162583	CC	AA	1940364190
SNP_P1_116247_34164186	NC_021165.1	Ca_kabuli_chr06	34164186	GG	AA	1940364191
SNP_P1_116248_34164255	NC_021165.1	Ca_kabuli_chr06	34164255	CC	AA	1940364193
SNP_P1_116249_34164271	NC_021165.1	Ca_kabuli_chr06	34164271	CC	TT	1940364195
SNP_P1_116250_34164326	NC_021165.1	Ca_kabuli_chr06	34164326	TT	CC	1940364197
SNP_P1_116251_34164358	NC_021165.1	Ca_kabuli_chr06	34164358	TT	AA	1940364198
SNP_P1_116252_34164361	NC_021165.1	Ca_kabuli_chr06	34164361	CC	TT	1940364200
SNP_P1_116253_34164374	NC_021165.1	Ca_kabuli_chr06	34164374	TT	AA	1940364202
SNP_P1_116254_34164382	NC_021165.1	Ca_kabuli_chr06	34164382	AA	TT	1940364204
SNP_P1_116255_34164405	NC_021165.1	Ca_kabuli_chr06	34164405	GG	AA	1940364205
SNP_P1_116256_34164406	NC_021165.1	Ca_kabuli_chr06	34164406	TT	CC	1940364207
SNP_P1_116257_34164428	NC_021165.1	Ca_kabuli_chr06	34164428	AA	TT	1940364209
SNP_P1_116258_34164456	NC_021165.1	Ca_kabuli_chr06	34164456	CC	TT	1940364211
SNP_P1_116259_34164493	NC_021165.1	Ca_kabuli_chr06	34164493	AA	GG	1940364212
SNP_P1_116260_34164500	NC_021165.1	Ca_kabuli_chr06	34164500	CC	AA	1940364214
SNP_P1_116261_34164529	NC_021165.1	Ca_kabuli_chr06	34164529	GG	AA	1940364216
SNP_P1_116262_34164542	NC_021165.1	Ca_kabuli_chr06	34164542	TT	AA	1940364217
SNP_P1_116263_34164567	NC_021165.1	Ca_kabuli_chr06	34164567	CC	AA	1940364219
SNP_P1_116264_34164568	NC_021165.1	Ca_kabuli_chr06	34164568	CC	AA	1940364221
SNP_P1_116265_34164626	NC_021165.1	Ca_kabuli_chr06	34164626	CC	AA	1940364223
SNP_P1_116266_34164641	NC_021165.1	Ca_kabuli_chr06	34164641	TT	GG	1940364224
SNP_P1_116267_34164677	NC_021165.1	Ca_kabuli_chr06	34164677	GG	AA	1940364226
SNP_P1_116268_34164748	NC_021165.1	Ca_kabuli_chr06	34164748	TT	CC	1940364228
SNP_P1_116269_34164785	NC_021165.1	Ca_kabuli_chr06	34164785	TT	GG	1940364230
SNP_P1_116270_34164787	NC_021165.1	Ca_kabuli_chr06	34164787	AA	GG	1940364231
SNP_P1_116271_34164816	NC_021165.1	Ca_kabuli_chr06	34164816	GG	AA	1940364233
SNP_P1_116272_34164824	NC_021165.1	Ca_kabuli_chr06	34164824	CC	TT	1940364235
SNP_P1_116273_34164836	NC_021165.1	Ca_kabuli_chr06	34164836	CC	AA	1940364237
SNP_P1_116274_34164845	NC_021165.1	Ca_kabuli_chr06	34164845	TT	CC	1940364238
SNP_P1_116275_34164856	NC_021165.1	Ca_kabuli_chr06	34164856	TT	AA	1940364240

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116277_34164899	NC_021165.1	Ca_kabuli_chr06	34164899	TT	AA	1940364244
SNP_P1_116278_34164922	NC_021165.1	Ca_kabuli_chr06	34164922	CC	AA	1940364245
SNP_P1_116279_34164940	NC_021165.1	Ca_kabuli_chr06	34164940	CC	TT	1940364247
SNP_P1_116280_34164985	NC_021165.1	Ca_kabuli_chr06	34164985	TT	CC	1940364249
SNP_P1_116281_34165392	NC_021165.1	Ca_kabuli_chr06	34165392	AA	GG	1940364251
SNP_P1_116282_34165858	NC_021165.1	Ca_kabuli_chr06	34165858	CC	TT	1940364252
SNP_P1_116283_34165870	NC_021165.1	Ca_kabuli_chr06	34165870	GG	AA	1940364254
SNP_P1_116284_34165875	NC_021165.1	Ca_kabuli_chr06	34165875	AA	TT	1940364256
SNP_P1_116285_34165916	NC_021165.1	Ca_kabuli_chr06	34165916	TT	AA	1940364258
SNP_P1_116286_34169550	NC_021165.1	Ca_kabuli_chr06	34169550	GG	AA	1940364259
SNP_P1_116287_34169563	NC_021165.1	Ca_kabuli_chr06	34169563	AA	GG	1940364261
SNP_P1_116288_34202130	NC_021165.1	Ca_kabuli_chr06	34202130	AA	CC	1940364263
SNP_P1_116290_34269231	NC_021165.1	Ca_kabuli_chr06	34269231	AA	GG	1940364265
SNP_P1_116291_34269290	NC_021165.1	Ca_kabuli_chr06	34269290	GG	AA	1940364266
SNP_P1_116292_34288172	NC_021165.1	Ca_kabuli_chr06	34288172	CC	TT	1940364268
SNP_P1_116293_34288873	NC_021165.1	Ca_kabuli_chr06	34288873	GG	TT	1940364270
SNP_P1_116294_34288884	NC_021165.1	Ca_kabuli_chr06	34288884	TT	CC	1940364271
SNP_P1_116295_34290052	NC_021165.1	Ca_kabuli_chr06	34290052	CC	TT	1940364273
SNP_P1_116296_34290063	NC_021165.1	Ca_kabuli_chr06	34290063	TT	GG	1940364275
SNP_P1_116297_34292494	NC_021165.1	Ca_kabuli_chr06	34292494	TT	CC	1940364277
SNP_P1_116299_34329378	NC_021165.1	Ca_kabuli_chr06	34329378	GG	AA	1940364278
SNP_P1_116300_34337927	NC_021165.1	Ca_kabuli_chr06	34337927	GG	AA	1940364280
SNP_P1_116301_34355846	NC_021165.1	Ca_kabuli_chr06	34355846	TT	CC	1940364282
SNP_P1_116302_34366788	NC_021165.1	Ca_kabuli_chr06	34366788	AA	TT	1940364284
SNP_P1_116303_34366789	NC_021165.1	Ca_kabuli_chr06	34366789	TT	CC	1940364285
SNP_P1_116304_34367169	NC_021165.1	Ca_kabuli_chr06	34367169	AA	GG	1940364287
SNP_P1_116306_34450240	NC_021165.1	Ca_kabuli_chr06	34450240	TT	AA	1940364289
SNP_P1_116307_34469248	NC_021165.1	Ca_kabuli_chr06	34469248	TT	CC	1940364291
SNP_P1_116308_34473494	NC_021165.1	Ca_kabuli_chr06	34473494	CC	TT	1940364292
SNP_P1_116309_34483095	NC_021165.1	Ca_kabuli_chr06	34483095	CC	TT	1940364294
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SNP_P1_116311_34511102	NC_021165.1	Ca_kabuli_chr06	34511102	GG	AA	1940364298
SNP_P1_116312_34512422	NC_021165.1	Ca_kabuli_chr06	34512422	GG	TT	1940364299
SNP_P1_116313_34513886	NC_021165.1	Ca_kabuli_chr06	34513886	CC	TT	1940364301
SNP_P1_116314_34528851	NC_021165.1	Ca_kabuli_chr06	34528851	AA	GG	1940364303
SNP_P1_116315_34531463	NC_021165.1	Ca_kabuli_chr06	34531463	CC	AA	1940364305
SNP_P1_116316_34553892	NC_021165.1	Ca_kabuli_chr06	34553892	AA	GG	1940364306
SNP_P1_116317_34563963	NC_021165.1	Ca_kabuli_chr06	34563963	GG	AA	1940364308
SNP_P1_116318_34564031	NC_021165.1	Ca_kabuli_chr06	34564031	CC	AA	1940364310
SNP_P1_116319_34564036	NC_021165.1	Ca_kabuli_chr06	34564036	TT	CC	1940364312
SNP_P1_116320_34564043	NC_021165.1	Ca_kabuli_chr06	34564043	CC	TT	1940364313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116322_34564408	NC_021165.1	Ca_kabuli_chr06	34564408	TT	AA	1940364317
SNP_P1_116323_34564409	NC_021165.1	Ca_kabuli_chr06	34564409	AA	TT	1940364319
SNP_P1_116324_34564592	NC_021165.1	Ca_kabuli_chr06	34564592	AA	GG	1940364320
SNP_P1_116325_34567404	NC_021165.1	Ca_kabuli_chr06	34567404	CC	TT	1940364322
SNP_P1_116326_34567840	NC_021165.1	Ca_kabuli_chr06	34567840	AA	TT	1940364324
SNP_P1_116327_34567868	NC_021165.1	Ca_kabuli_chr06	34567868	AA	GG	1940364325
SNP_P1_116328_34567915	NC_021165.1	Ca_kabuli_chr06	34567915	TT	AA	1940364327
SNP_P1_116329_34568424	NC_021165.1	Ca_kabuli_chr06	34568424	AA	GG	1940364329
SNP_P1_116330_34568928	NC_021165.1	Ca_kabuli_chr06	34568928	TT	AA	1940364331
SNP_P1_116331_34569956	NC_021165.1	Ca_kabuli_chr06	34569956	CC	TT	1940364332
SNP_P1_116332_34569991	NC_021165.1	Ca_kabuli_chr06	34569991	TT	AA	1940364334
SNP_P1_116333_34570076	NC_021165.1	Ca_kabuli_chr06	34570076	TT	CC	1940364336
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SNP_P1_116336_34570629	NC_021165.1	Ca_kabuli_chr06	34570629	AA	GG	1940364339
SNP_P1_116337_34570856	NC_021165.1	Ca_kabuli_chr06	34570856	AA	GG	1940364341
SNP_P1_116338_34570889	NC_021165.1	Ca_kabuli_chr06	34570889	CC	AA	1940364343
SNP_P1_116339_34570890	NC_021165.1	Ca_kabuli_chr06	34570890	GG	AA	1940364345
SNP_P1_116340_34570892	NC_021165.1	Ca_kabuli_chr06	34570892	TT	CC	1940364346
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SNP_P1_116344_34607019	NC_021165.1	Ca_kabuli_chr06	34607019	CC	AA	1940364353
SNP_P1_116345_34607020	NC_021165.1	Ca_kabuli_chr06	34607020	CC	TT	1940364355
SNP_P1_116346_34607033	NC_021165.1	Ca_kabuli_chr06	34607033	GG	TT	1940364357
SNP_P1_116347_34607691	NC_021165.1	Ca_kabuli_chr06	34607691	TT	GG	1940364359
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SNP_P1_116350_34630464	NC_021165.1	Ca_kabuli_chr06	34630464	GG	AA	1940364362
SNP_P1_116351_34632261	NC_021165.1	Ca_kabuli_chr06	34632261	TT	AA	1940364364
SNP_P1_116352_34662202	NC_021165.1	Ca_kabuli_chr06	34662202	GG	AA	1940364366
SNP_P1_116353_34662207	NC_021165.1	Ca_kabuli_chr06	34662207	AA	TT	1940364367
SNP_P1_116354_34662237	NC_021165.1	Ca_kabuli_chr06	34662237	GG	CC	1940364369
SNP_P1_116355_34662249	NC_021165.1	Ca_kabuli_chr06	34662249	TT	CC	1940364371
SNP_P1_116356_34662251	NC_021165.1	Ca_kabuli_chr06	34662251	TT	CC	1940364373
SNP_P1_116357_34662313	NC_021165.1	Ca_kabuli_chr06	34662313	CC	TT	1940364374
SNP_P1_116358_34684202	NC_021165.1	Ca_kabuli_chr06	34684202	GG	AA	1940364376
SNP_P1_116359_34684384	NC_021165.1	Ca_kabuli_chr06	34684384	TT	CC	1940364378
SNP_P1_116360_34684473	NC_021165.1	Ca_kabuli_chr06	34684473	TT	CC	1940364379
SNP_P1_116361_34684639	NC_021165.1	Ca_kabuli_chr06	34684639	CC	AA	1940364381
SNP_P1_116362_34684675	NC_021165.1	Ca_kabuli_chr06	34684675	AA	CC	1940364383
SNP_P1_116363_34684676	NC_021165.1	Ca_kabuli_chr06	34684676	AA	TT	1940364385
SNP_P1_116364_34684677	NC_021165.1	Ca_kabuli_chr06	34684677	CC	TT	1940364386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116367_34684722	NC_021165.1	Ca_kabuli_chr06	34684722	TT	AA	1940364392
SNP_P1_116368_34693857	NC_021165.1	Ca_kabuli_chr06	34693857	TT	GG	1940364393
SNP_P1_116369_34705584	NC_021165.1	Ca_kabuli_chr06	34705584	AA	CC	1940364395
SNP_P1_116370_34709893	NC_021165.1	Ca_kabuli_chr06	34709893	AA	CC	1940364397
SNP_P1_116371_34724464	NC_021165.1	Ca_kabuli_chr06	34724464	TT	CC	1940364399
SNP_P1_116373_34729318	NC_021165.1	Ca_kabuli_chr06	34729318	AA	GG	1940364400
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SNP_P1_116377_34778191	NC_021165.1	Ca_kabuli_chr06	34778191	TT	AA	1940364404
SNP_P1_116378_34799466	NC_021165.1	Ca_kabuli_chr06	34799466	GG	CC	1940364406
SNP_P1_116379_34799476	NC_021165.1	Ca_kabuli_chr06	34799476	AA	GG	1940364407
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SNP_P1_116381_34799849	NC_021165.1	Ca_kabuli_chr06	34799849	GG	AA	1940364411
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SNP_P1_116383_34799954	NC_021165.1	Ca_kabuli_chr06	34799954	GG	AA	1940364414
SNP_P1_116384_34806679	NC_021165.1	Ca_kabuli_chr06	34806679	TT	CC	1940364416
SNP_P1_116385_34809556	NC_021165.1	Ca_kabuli_chr06	34809556	AA	GG	1940364418
SNP_P1_116386_34809850	NC_021165.1	Ca_kabuli_chr06	34809850	CC	TT	1940364420
SNP_P1_116388_34809945	NC_021165.1	Ca_kabuli_chr06	34809945	TT	GG	1940364421
SNP_P1_116388_34810092	NC_021165.1	Ca_kabuli_chr06	34810092	GG	CC	1940364423
SNP_P1_116389_34810098	NC_021165.1	Ca_kabuli_chr06	34810098	TT	CC	1940364425
SNP_P1_116390_34810112	NC_021165.1	Ca_kabuli_chr06	34810112	GG	AA	1940364427
SNP_P1_116391_34810125	NC_021165.1	Ca_kabuli_chr06	34810125	GG	TT	1940364428
SNP_P1_116392_34810217	NC_021165.1	Ca_kabuli_chr06	34810217	GG	CC	1940364430
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SNP_P1_116394_34810246	NC_021165.1	Ca_kabuli_chr06	34810246	AA	GG	1940364434
SNP_P1_116395_34810304	NC_021165.1	Ca_kabuli_chr06	34810304	CC	TT	1940364435
SNP_P1_116396_34814204	NC_021165.1	Ca_kabuli_chr06	34814204	GG	CC	1940364437
SNP_P1_116397_34814211	NC_021165.1	Ca_kabuli_chr06	34814211	GG	AA	1940364439
SNP_P1_116398_34814562	NC_021165.1	Ca_kabuli_chr06	34814562	TT	CC	1940364441
SNP_P1_116399_34814656	NC_021165.1	Ca_kabuli_chr06	34814656	AA	GG	1940364442
SNP_P1_116400_34814693	NC_021165.1	Ca_kabuli_chr06	34814693	TT	CC	1940364444
SNP_P1_116401_34814718	NC_021165.1	Ca_kabuli_chr06	34814718	GG	AA	1940364446
SNP_P1_116402_34816146	NC_021165.1	Ca_kabuli_chr06	34816146	GG	AA	1940364448
SNP_P1_116403_34819287	NC_021165.1	Ca_kabuli_chr06	34819287	TT	AA	1940364449
SNP_P1_116404_34820420	NC_021165.1	Ca_kabuli_chr06	34820420	AA	TT	1940364451
SNP_P1_116405_34820421	NC_021165.1	Ca_kabuli_chr06	34820421	CC	TT	1940364453
SNP_P1_116406_34820422	NC_021165.1	Ca_kabuli_chr06	34820422	AA	TT	1940364454
SNP_P1_116407_34820424	NC_021165.1	Ca_kabuli_chr06	34820424	TT	GG	1940364456
SNP_P1_116410_34843624	NC_021165.1	Ca_kabuli_chr06	34843624	CC	TT	1940364458
SNP_P1_116411_34847119	NC_021165.1	Ca_kabuli_chr06	34847119	GG	TT	1940364460

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116413_34851322	NC_021165.1	Ca_kabuli_chr06	34851322	TT	CC	1940364463
SNP_P1_116416_34862527	NC_021165.1	Ca_kabuli_chr06	34862527	GG	TT	1940364465
SNP_P1_116417_34866357	NC_021165.1	Ca_kabuli_chr06	34866357	TT	AA	1940364467
SNP_P1_116418_34866397	NC_021165.1	Ca_kabuli_chr06	34866397	GG	TT	1940364468
SNP_P1_116419_34866406	NC_021165.1	Ca_kabuli_chr06	34866406	AA	TT	1940364470
SNP_P1_116420_34869402	NC_021165.1	Ca_kabuli_chr06	34869402	GG	TT	1940364472
SNP_P1_116421_34871227	NC_021165.1	Ca_kabuli_chr06	34871227	GG	TT	1940364474
SNP_P1_116422_34874329	NC_021165.1	Ca_kabuli_chr06	34874329	CC	TT	1940364475
SNP_P1_116423_34874846	NC_021165.1	Ca_kabuli_chr06	34874846	TT	AA	1940364477
SNP_P1_116424_34880382	NC_021165.1	Ca_kabuli_chr06	34880382	CC	TT	1940364479
SNP_P1_116425_34897196	NC_021165.1	Ca_kabuli_chr06	34897196	CC	AA	1940364481
SNP_P1_116426_34897230	NC_021165.1	Ca_kabuli_chr06	34897230	CC	AA	1940364482
SNP_P1_116427_34897248	NC_021165.1	Ca_kabuli_chr06	34897248	GG	TT	1940364484
SNP_P1_116428_34902107	NC_021165.1	Ca_kabuli_chr06	34902107	GG	AA	1940364486
SNP_P1_116430_34906755	NC_021165.1	Ca_kabuli_chr06	34906755	AA	GG	1940364488
SNP_P1_116431_34924243	NC_021165.1	Ca_kabuli_chr06	34924243	CC	TT	1940364489
SNP_P1_116433_34937229	NC_021165.1	Ca_kabuli_chr06	34937229	AA	GG	1940364491
SNP_P1_116434_34937246	NC_021165.1	Ca_kabuli_chr06	34937246	AA	GG	1940364493
SNP_P1_116435_34943818	NC_021165.1	Ca_kabuli_chr06	34943818	GG	AA	1940364495
SNP_P1_116436_34956426	NC_021165.1	Ca_kabuli_chr06	34956426	GG	AA	1940364496
SNP_P1_116437_34956453	NC_021165.1	Ca_kabuli_chr06	34956453	AA	CC	1940364498
SNP_P1_116438_34956521	NC_021165.1	Ca_kabuli_chr06	34956521	CC	GG	1940364500
SNP_P1_116439_34956888	NC_021165.1	Ca_kabuli_chr06	34956888	AA	GG	1940364502
SNP_P1_116440_34972707	NC_021165.1	Ca_kabuli_chr06	34972707	TT	CC	1940364503
SNP_P1_116441_34981114	NC_021165.1	Ca_kabuli_chr06	34981114	AA	GG	1940364505
SNP_P1_116442_34984008	NC_021165.1	Ca_kabuli_chr06	34984008	AA	TT	1940364507
SNP_P1_116443_34991131	NC_021165.1	Ca_kabuli_chr06	34991131	CC	AA	1940364509
SNP_P1_116444_34993580	NC_021165.1	Ca_kabuli_chr06	34993580	GG	AA	1940364510
SNP_P1_116447_35019314	NC_021165.1	Ca_kabuli_chr06	35019314	TT	CC	1940364512
SNP_P1_116448_35041908	NC_021165.1	Ca_kabuli_chr06	35041908	GG	AA	1940364514
SNP_P1_116449_35049036	NC_021165.1	Ca_kabuli_chr06	35049036	AA	CC	1940364516
SNP_P1_116450_35049069	NC_021165.1	Ca_kabuli_chr06	35049069	AA	GG	1940364517
SNP_P1_116451_35061902	NC_021165.1	Ca_kabuli_chr06	35061902	AA	GG	1940364519
SNP_P1_116452_35078686	NC_021165.1	Ca_kabuli_chr06	35078686	CC	TT	1940364521
SNP_P1_116453_35096644	NC_021165.1	Ca_kabuli_chr06	35096644	CC	AA	1940364522
SNP_P1_116454_35116750	NC_021165.1	Ca_kabuli_chr06	35116750	CC	TT	1940364524
SNP_P1_116455_35124040	NC_021165.1	Ca_kabuli_chr06	35124040	AA	CC	1940364526
SNP_P1_116457_35161346	NC_021165.1	Ca_kabuli_chr06	35161346	GG	AA	1940364528
SNP_P1_116458_35161466	NC_021165.1	Ca_kabuli_chr06	35161466	AA	GG	1940364529
SNP_P1_116459_35161598	NC_021165.1	Ca_kabuli_chr06	35161598	AA	CC	1940364531
SNP_P1_116460_35161619	NC_021165.1	Ca_kabuli_chr06	35161619	AA	GG	1940364533

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116462_35161784	NC_021165.1	Ca_kabuli_chr06	35161784	CC	TT	1940364536
SNP_P1_116463_35161789	NC_021165.1	Ca_kabuli_chr06	35161789	AA	GG	1940364538
SNP_P1_116465_35161839	NC_021165.1	Ca_kabuli_chr06	35161839	GG	AA	1940364540
SNP_P1_116466_35161860	NC_021165.1	Ca_kabuli_chr06	35161860	TT	AA	1940364542
SNP_P1_116467_35161871	NC_021165.1	Ca_kabuli_chr06	35161871	GG	AA	1940364543
SNP_P1_116468_35161888	NC_021165.1	Ca_kabuli_chr06	35161888	CC	TT	1940364545
SNP_P1_116469_35161891	NC_021165.1	Ca_kabuli_chr06	35161891	TT	CC	1940364547
SNP_P1_116470_35167049	NC_021165.1	Ca_kabuli_chr06	35167049	CC	TT	1940364549
SNP_P1_116471_35167066	NC_021165.1	Ca_kabuli_chr06	35167066	GG	AA	1940364550
SNP_P1_116472_35167340	NC_021165.1	Ca_kabuli_chr06	35167340	TT	AA	1940364552
SNP_P1_116473_35167530	NC_021165.1	Ca_kabuli_chr06	35167530	AA	GG	1940364554
SNP_P1_116474_35167598	NC_021165.1	Ca_kabuli_chr06	35167598	AA	GG	1940364556
SNP_P1_116475_35167898	NC_021165.1	Ca_kabuli_chr06	35167898	GG	TT	1940364557
SNP_P1_116476_35168241	NC_021165.1	Ca_kabuli_chr06	35168241	TT	CC	1940364559
SNP_P1_116477_35168288	NC_021165.1	Ca_kabuli_chr06	35168288	TT	CC	1940364561
SNP_P1_116478_35168290	NC_021165.1	Ca_kabuli_chr06	35168290	AA	GG	1940364563
SNP_P1_116479_35168347	NC_021165.1	Ca_kabuli_chr06	35168347	AA	TT	1940364564
SNP_P1_116480_35168695	NC_021165.1	Ca_kabuli_chr06	35168695	AA	GG	1940364566
SNP_P1_116483_35179866	NC_021165.1	Ca_kabuli_chr06	35179866	TT	AA	1940364568
SNP_P1_116484_35185517	NC_021165.1	Ca_kabuli_chr06	35185517	AA	GG	1940364570
SNP_P1_116485_35187213	NC_021165.1	Ca_kabuli_chr06	35187213	AA	GG	1940364571
SNP_P1_116486_35190523	NC_021165.1	Ca_kabuli_chr06	35190523	GG	CC	1940364573
SNP_P1_116487_35190561	NC_021165.1	Ca_kabuli_chr06	35190561	GG	AA	1940364575
SNP_P1_116488_35206687	NC_021165.1	Ca_kabuli_chr06	35206687	TT	GG	1940364577
SNP_P1_116489_35216430	NC_021165.1	Ca_kabuli_chr06	35216430	GG	TT	1940364578
SNP_P1_116490_35228506	NC_021165.1	Ca_kabuli_chr06	35228506	AA	TT	1940364580
SNP_P1_116492_35254690	NC_021165.1	Ca_kabuli_chr06	35254690	GG	TT	1940364582
SNP_P1_116493_35254711	NC_021165.1	Ca_kabuli_chr06	35254711	GG	AA	1940364583
SNP_P1_116494_35254752	NC_021165.1	Ca_kabuli_chr06	35254752	TT	CC	1940364585
SNP_P1_116495_35254783	NC_021165.1	Ca_kabuli_chr06	35254783	CC	TT	1940364587
SNP_P1_116496_35254974	NC_021165.1	Ca_kabuli_chr06	35254974	CC	AA	1940364589
SNP_P1_116498_35255101	NC_021165.1	Ca_kabuli_chr06	35255101	GG	AA	1940364590
SNP_P1_116499_35264581	NC_021165.1	Ca_kabuli_chr06	35264581	CC	TT	1940364592
SNP_P1_116500_35280062	NC_021165.1	Ca_kabuli_chr06	35280062	GG	AA	1940364594
SNP_P1_116501_35294755	NC_021165.1	Ca_kabuli_chr06	35294755	GG	AA	1940364596
SNP_P1_116502_35312939	NC_021165.1	Ca_kabuli_chr06	35312939	AA	TT	1940364597
SNP_P1_116503_35315382	NC_021165.1	Ca_kabuli_chr06	35315382	CC	TT	1940364599
SNP_P1_116504_35315393	NC_021165.1	Ca_kabuli_chr06	35315393	GG	AA	1940364601
SNP_P1_116505_35315400	NC_021165.1	Ca_kabuli_chr06	35315400	GG	AA	1940364603
SNP_P1_116506_35316983	NC_021165.1	Ca_kabuli_chr06	35316983	GG	AA	1940364604
SNP_P1_116507_35316991	NC_021165.1	Ca_kabuli_chr06	35316991	AA	TT	1940364606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116509_35326790	NC_021165.1	Ca_kabuli_chr06	35326790	AA	TT	1940364610
SNP_P1_116510_35333213	NC_021165.1	Ca_kabuli_chr06	35333213	TT	CC	1940364611
SNP_P1_116511_35333215	NC_021165.1	Ca_kabuli_chr06	35333215	AA	TT	1940364613
SNP_P1_116512_35351731	NC_021165.1	Ca_kabuli_chr06	35351731	TT	CC	1940364615
SNP_P1_116513_35354962	NC_021165.1	Ca_kabuli_chr06	35354962	AA	GG	1940364617
SNP_P1_116514_35354964	NC_021165.1	Ca_kabuli_chr06	35354964	AA	TT	1940364618
SNP_P1_116516_35357598	NC_021165.1	Ca_kabuli_chr06	35357598	TT	CC	1940364620
SNP_P1_116517_35357614	NC_021165.1	Ca_kabuli_chr06	35357614	CC	TT	1940364622
SNP_P1_116518_35363637	NC_021165.1	Ca_kabuli_chr06	35363637	AA	GG	1940364624
SNP_P1_116519_35363652	NC_021165.1	Ca_kabuli_chr06	35363652	CC	TT	1940364625
SNP_P1_116520_35363698	NC_021165.1	Ca_kabuli_chr06	35363698	CC	TT	1940364627
SNP_P1_116521_35363719	NC_021165.1	Ca_kabuli_chr06	35363719	AA	TT	1940364629
SNP_P1_116522_35364003	NC_021165.1	Ca_kabuli_chr06	35364003	CC	TT	1940364631
SNP_P1_116523_35364069	NC_021165.1	Ca_kabuli_chr06	35364069	AA	GG	1940364632
SNP_P1_116524_35366799	NC_021165.1	Ca_kabuli_chr06	35366799	TT	AA	1940364634
SNP_P1_116525_35366809	NC_021165.1	Ca_kabuli_chr06	35366809	CC	TT	1940364636
SNP_P1_116526_35367038	NC_021165.1	Ca_kabuli_chr06	35367038	GG	TT	1940364638
SNP_P1_116527_35367039	NC_021165.1	Ca_kabuli_chr06	35367039	AA	TT	1940364639
SNP_P1_116528_35367084	NC_021165.1	Ca_kabuli_chr06	35367084	AA	TT	1940364641
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SNP_P1_116530_35367113	NC_021165.1	Ca_kabuli_chr06	35367113	AA	CC	1940364645
SNP_P1_116531_35375554	NC_021165.1	Ca_kabuli_chr06	35375554	TT	GG	1940364646
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SNP_P1_116533_35388427	NC_021165.1	Ca_kabuli_chr06	35388427	AA	TT	1940364650
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SNP_P1_116538_35401496	NC_021165.1	Ca_kabuli_chr06	35401496	TT	CC	1940364655
SNP_P1_116539_35402386	NC_021165.1	Ca_kabuli_chr06	35402386	TT	CC	1940364657
SNP_P1_116540_35410080	NC_021165.1	Ca_kabuli_chr06	35410080	AA	GG	1940364658
SNP_P1_116541_35410116	NC_021165.1	Ca_kabuli_chr06	35410116	AA	GG	1940364660
SNP_P1_116542_35417875	NC_021165.1	Ca_kabuli_chr06	35417875	GG	AA	1940364662
SNP_P1_116543_35417938	NC_021165.1	Ca_kabuli_chr06	35417938	AA	TT	1940364664
SNP_P1_116544_35418340	NC_021165.1	Ca_kabuli_chr06	35418340	CC	TT	1940364665
SNP_P1_116545_35418377	NC_021165.1	Ca_kabuli_chr06	35418377	TT	GG	1940364667
SNP_P1_116546_35418405	NC_021165.1	Ca_kabuli_chr06	35418405	CC	TT	1940364669
SNP_P1_116547_35419704	NC_021165.1	Ca_kabuli_chr06	35419704	AA	GG	1940364671
SNP_P1_116548_35419729	NC_021165.1	Ca_kabuli_chr06	35419729	CC	TT	1940364672
SNP_P1_116549_35444233	NC_021165.1	Ca_kabuli_chr06	35444233	TT	CC	1940364674
SNP_P1_116550_35450107	NC_021165.1	Ca_kabuli_chr06	35450107	TT	AA	1940364676
SNP_P1_116551_35461151	NC_021165.1	Ca_kabuli_chr06	35461151	TT	AA	1940364678
SNP_P1_116552_35461239	NC_021165.1	Ca_kabuli_chr06	35461239	CC	GG	1940364679

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116556_35461752	NC_021165.1	Ca_kabuli_chr06	35461752	GG	AA	1940364685
SNP_P1_116557_35461754	NC_021165.1	Ca_kabuli_chr06	35461754	CC	TT	1940364686
SNP_P1_116558_35461767	NC_021165.1	Ca_kabuli_chr06	35461767	TT	GG	1940364688
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SNP_P1_116560_35461773	NC_021165.1	Ca_kabuli_chr06	35461773	AA	TT	1940364692
SNP_P1_116561_35461905	NC_021165.1	Ca_kabuli_chr06	35461905	AA	CC	1940364693
SNP_P1_116562_35461942	NC_021165.1	Ca_kabuli_chr06	35461942	AA	CC	1940364695
SNP_P1_116563_35466442	NC_021165.1	Ca_kabuli_chr06	35466442	GG	AA	1940364697
SNP_P1_116564_35471061	NC_021165.1	Ca_kabuli_chr06	35471061	AA	GG	1940364699
SNP_P1_116565_35477021	NC_021165.1	Ca_kabuli_chr06	35477021	GG	TT	1940364700
SNP_P1_116566_35477739	NC_021165.1	Ca_kabuli_chr06	35477739	AA	CC	1940364702
SNP_P1_116567_35485058	NC_021165.1	Ca_kabuli_chr06	35485058	CC	TT	1940364704
SNP_P1_116568_35499631	NC_021165.1	Ca_kabuli_chr06	35499631	TT	CC	1940364705
SNP_P1_116569_35500792	NC_021165.1	Ca_kabuli_chr06	35500792	AA	GG	1940364707
SNP_P1_116570_35518104	NC_021165.1	Ca_kabuli_chr06	35518104	AA	GG	1940364709
SNP_P1_116572_35518499	NC_021165.1	Ca_kabuli_chr06	35518499	AA	TT	1940364711
SNP_P1_116574_35541928	NC_021165.1	Ca_kabuli_chr06	35541928	GG	AA	1940364712
SNP_P1_116575_35553136	NC_021165.1	Ca_kabuli_chr06	35553136	GG	TT	1940364714
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SNP_P1_116577_35561079	NC_021165.1	Ca_kabuli_chr06	35561079	AA	GG	1940364718
SNP_P1_116578_35561090	NC_021165.1	Ca_kabuli_chr06	35561090	TT	AA	1940364719
SNP_P1_116579_35573611	NC_021165.1	Ca_kabuli_chr06	35573611	AA	GG	1940364721
SNP_P1_116580_35588597	NC_021165.1	Ca_kabuli_chr06	35588597	GG	AA	1940364723
SNP_P1_116581_35596078	NC_021165.1	Ca_kabuli_chr06	35596078	TT	AA	1940364725
SNP_P1_116582_35596131	NC_021165.1	Ca_kabuli_chr06	35596131	AA	CC	1940364726
SNP_P1_116583_35596135	NC_021165.1	Ca_kabuli_chr06	35596135	AA	TT	1940364728
SNP_P1_116584_35608863	NC_021165.1	Ca_kabuli_chr06	35608863	CC	GG	1940364730
SNP_P1_116585_35608895	NC_021165.1	Ca_kabuli_chr06	35608895	TT	CC	1940364732
SNP_P1_116586_35608923	NC_021165.1	Ca_kabuli_chr06	35608923	CC	TT	1940364733
SNP_P1_116587_35611752	NC_021165.1	Ca_kabuli_chr06	35611752	GG	AA	1940364735
SNP_P1_116589_35664639	NC_021165.1	Ca_kabuli_chr06	35664639	TT	CC	1940364737
SNP_P1_116590_35683405	NC_021165.1	Ca_kabuli_chr06	35683405	AA	GG	1940364739
SNP_P1_116592_35692200	NC_021165.1	Ca_kabuli_chr06	35692200	TT	GG	1940364740
SNP_P1_116593_35697115	NC_021165.1	Ca_kabuli_chr06	35697115	CC	TT	1940364742
SNP_P1_116594_35699471	NC_021165.1	Ca_kabuli_chr06	35699471	TT	GG	1940364744
SNP_P1_116595_35704609	NC_021165.1	Ca_kabuli_chr06	35704609	AA	CC	1940364746
SNP_P1_116596_35704621	NC_021165.1	Ca_kabuli_chr06	35704621	AA	GG	1940364747
SNP_P1_116598_35704879	NC_021165.1	Ca_kabuli_chr06	35704879	TT	GG	1940364749
SNP_P1_116599_35704894	NC_021165.1	Ca_kabuli_chr06	35704894	AA	GG	1940364751
SNP_P1_116600_35704921	NC_021165.1	Ca_kabuli_chr06	35704921	TT	CC	1940364753

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_116601_35704942	NC_021165.1	Ca_kabuli_chr06	35704942	AA	GG	1940364754
SNP_P1_116602_35704957	NC_021165.1	Ca_kabuli_chr06	35704957	AA	GG	1940364756
SNP_P1_116603_35704979	NC_021165.1	Ca_kabuli_chr06	35704979	TT	CC	1940364758
SNP_P1_116604_35704980	NC_021165.1	Ca_kabuli_chr06	35704980	GG	CC	1940364759
SNP_P1_116605_35705011	NC_021165.1	Ca_kabuli_chr06	35705011	CC	TT	1940364761
SNP_P1_116606_35705036	NC_021165.1	Ca_kabuli_chr06	35705036	GG	TT	1940364763
SNP_P1_116607_35705047	NC_021165.1	Ca_kabuli_chr06	35705047	TT	CC	1940364765
SNP_P1_116608_35705068	NC_021165.1	Ca_kabuli_chr06	35705068	AA	GG	1940364766
SNP_P1_116609_35705072	NC_021165.1	Ca_kabuli_chr06	35705072	TT	GG	1940364768
SNP_P1_116610_35705099	NC_021165.1	Ca_kabuli_chr06	35705099	TT	CC	1940364770
SNP_P1_116611_35705128	NC_021165.1	Ca_kabuli_chr06	35705128	TT	GG	1940364772
SNP_P1_116612_35705207	NC_021165.1	Ca_kabuli_chr06	35705207	TT	GG	1940364773
SNP_P1_116613_35705237	NC_021165.1	Ca_kabuli_chr06	35705237	GG	TT	1940364775
SNP_P1_116614_35705241	NC_021165.1	Ca_kabuli_chr06	35705241	TT	CC	1940364777
SNP_P1_116615_35705258	NC_021165.1	Ca_kabuli_chr06	35705258	TT	GG	1940364779
SNP_P1_116616_35705278	NC_021165.1	Ca_kabuli_chr06	35705278	AA	CC	1940364780
SNP_P1_116617_35705287	NC_021165.1	Ca_kabuli_chr06	35705287	CC	TT	1940364782
SNP_P1_116618_35705301	NC_021165.1	Ca_kabuli_chr06	35705301	TT	CC	1940364784
SNP_P1_116619_35705311	NC_021165.1	Ca_kabuli_chr06	35705311	GG	TT	1940364786
SNP_P1_116620_35705336	NC_021165.1	Ca_kabuli_chr06	35705336	TT	CC	1940364787
SNP_P1_116621_35705491	NC_021165.1	Ca_kabuli_chr06	35705491	TT	CC	1940364789
SNP_P1_116622_35705521	NC_021165.1	Ca_kabuli_chr06	35705521	AA	GG	1940364791
SNP_P1_116623_35705611	NC_021165.1	Ca_kabuli_chr06	35705611	AA	GG	1940364793
SNP_P1_116624_35705774	NC_021165.1	Ca_kabuli_chr06	35705774	GG	AA	1940364794
SNP_P1_116625_35705842	NC_021165.1	Ca_kabuli_chr06	35705842	AA	TT	1940364796
SNP_P1_116626_35705843	NC_021165.1	Ca_kabuli_chr06	35705843	TT	AA	1940364798
SNP_P1_116628_35725105	NC_021165.1	Ca_kabuli_chr06	35725105	AA	GG	1940364800
SNP_P1_116629_35725196	NC_021165.1	Ca_kabuli_chr06	35725196	GG	AA	1940364801
SNP_P1_116630_35765521	NC_021165.1	Ca_kabuli_chr06	35765521	CC	TT	1940364803
SNP_P1_116631_35766409	NC_021165.1	Ca_kabuli_chr06	35766409	TT	CC	1940364805
SNP_P1_116632_35771457	NC_021165.1	Ca_kabuli_chr06	35771457	AA	CC	1940364807
SNP_P1_116633_35771466	NC_021165.1	Ca_kabuli_chr06	35771466	GG	CC	1940364808
SNP_P1_116634_35771652	NC_021165.1	Ca_kabuli_chr06	35771652	GG	AA	1940364810
SNP_P1_116635_35771717	NC_021165.1	Ca_kabuli_chr06	35771717	GG	AA	1940364812
SNP_P1_116636_35771726	NC_021165.1	Ca_kabuli_chr06	35771726	CC	GG	1940364814
SNP_P1_116637_35771851	NC_021165.1	Ca_kabuli_chr06	35771851	AA	GG	1940364815
SNP_P1_116638_35771934	NC_021165.1	Ca_kabuli_chr06	35771934	GG	AA	1940364817
SNP_P1_116639_35789728	NC_021165.1	Ca_kabuli_chr06	35789728	TT	GG	1940364819
SNP_P1_116641_35802500	NC_021165.1	Ca_kabuli_chr06	35802500	TT	CC	1940364821
SNP_P1_116642_35802502	NC_021165.1	Ca_kabuli_chr06	35802502	GG	AA	1940364822
SNP_P1_116644_35803368	NC_021165.1	Ca_kabuli_chr06	35803368	GG	AA	1940364824
SNP_P1_116645_35805862	NC_021165.1	Ca_kabuli_chr06	35805862	TT	CC	1940364826

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116647_35809324	NC_021165.1	Ca_kabuli_chr06	35809324	AA	GG	1940364829
SNP_P1_116648_35809448	NC_021165.1	Ca_kabuli_chr06	35809448	TT	AA	1940364831
SNP_P1_116649_35809507	NC_021165.1	Ca_kabuli_chr06	35809507	CC	TT	1940364833
SNP_P1_116651_35810795	NC_021165.1	Ca_kabuli_chr06	35810795	TT	CC	1940364834
SNP_P1_116652_35811042	NC_021165.1	Ca_kabuli_chr06	35811042	TT	CC	1940364836
SNP_P1_116653_35811506	NC_021165.1	Ca_kabuli_chr06	35811506	TT	GG	1940364838
SNP_P1_116654_35811645	NC_021165.1	Ca_kabuli_chr06	35811645	AA	CC	1940364840
SNP_P1_116655_35811859	NC_021165.1	Ca_kabuli_chr06	35811859	CC	TT	1940364841
SNP_P1_116656_35812913	NC_021165.1	Ca_kabuli_chr06	35812913	GG	TT	1940364843
SNP_P1_116657_35812959	NC_021165.1	Ca_kabuli_chr06	35812959	AA	GG	1940364845
SNP_P1_116658_35813310	NC_021165.1	Ca_kabuli_chr06	35813310	GG	AA	1940364847
SNP_P1_116660_35817077	NC_021165.1	Ca_kabuli_chr06	35817077	AA	CC	1940364848
SNP_P1_116661_35818704	NC_021165.1	Ca_kabuli_chr06	35818704	AA	TT	1940364850
SNP_P1_116662_35818709	NC_021165.1	Ca_kabuli_chr06	35818709	AA	GG	1940364852
SNP_P1_116663_35820727	NC_021165.1	Ca_kabuli_chr06	35820727	AA	GG	1940364854
SNP_P1_116664_35821704	NC_021165.1	Ca_kabuli_chr06	35821704	CC	TT	1940364855
SNP_P1_116665_35822192	NC_021165.1	Ca_kabuli_chr06	35822192	CC	TT	1940364857
SNP_P1_116666_35831572	NC_021165.1	Ca_kabuli_chr06	35831572	AA	TT	1940364859
SNP_P1_116667_35831590	NC_021165.1	Ca_kabuli_chr06	35831590	AA	CC	1940364861
SNP_P1_116668_35831683	NC_021165.1	Ca_kabuli_chr06	35831683	GG	TT	1940364862
SNP_P1_116669_35831885	NC_021165.1	Ca_kabuli_chr06	35831885	GG	AA	1940364864
SNP_P1_116670_35831916	NC_021165.1	Ca_kabuli_chr06	35831916	GG	CC	1940364866
SNP_P1_116671_35831924	NC_021165.1	Ca_kabuli_chr06	35831924	AA	TT	1940364868
SNP_P1_116672_35832075	NC_021165.1	Ca_kabuli_chr06	35832075	AA	GG	1940364869
SNP_P1_116674_35832154	NC_021165.1	Ca_kabuli_chr06	35832154	CC	GG	1940364871
SNP_P1_116675_35832193	NC_021165.1	Ca_kabuli_chr06	35832193	AA	GG	1940364873
SNP_P1_116676_35832215	NC_021165.1	Ca_kabuli_chr06	35832215	TT	AA	1940364875
SNP_P1_116678_35867752	NC_021165.1	Ca_kabuli_chr06	35867752	CC	TT	1940364876
SNP_P1_116679_35900686	NC_021165.1	Ca_kabuli_chr06	35900686	GG	CC	1940364878
SNP_P1_116680_35906227	NC_021165.1	Ca_kabuli_chr06	35906227	AA	GG	1940364880
SNP_P1_116681_35920561	NC_021165.1	Ca_kabuli_chr06	35920561	CC	AA	1940364882
SNP_P1_116682_35920587	NC_021165.1	Ca_kabuli_chr06	35920587	CC	AA	1940364883
SNP_P1_116683_35922038	NC_021165.1	Ca_kabuli_chr06	35922038	AA	GG	1940364885
SNP_P1_116684_35922262	NC_021165.1	Ca_kabuli_chr06	35922262	AA	GG	1940364887
SNP_P1_116685_35922290	NC_021165.1	Ca_kabuli_chr06	35922290	TT	CC	1940364889
SNP_P1_116686_35922310	NC_021165.1	Ca_kabuli_chr06	35922310	TT	GG	1940364890
SNP_P1_116687_35922311	NC_021165.1	Ca_kabuli_chr06	35922311	TT	CC	1940364892
SNP_P1_116688_35922330	NC_021165.1	Ca_kabuli_chr06	35922330	AA	GG	1940364894
SNP_P1_116689_35922358	NC_021165.1	Ca_kabuli_chr06	35922358	AA	CC	1940364896
SNP_P1_116691_35922450	NC_021165.1	Ca_kabuli_chr06	35922450	AA	GG	1940364897
SNP_P1_116692_35929398	NC_021165.1	Ca_kabuli_chr06	35929398	AA	TT	1940364899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116694_35960818	NC_021165.1	Ca_kabuli_chr06	35960818	GG	CC	1940364902
SNP_P1_116695_35960851	NC_021165.1	Ca_kabuli_chr06	35960851	TT	GG	1940364904
SNP_P1_116696_35971132	NC_021165.1	Ca_kabuli_chr06	35971132	GG	AA	1940364906
SNP_P1_116697_35982882	NC_021165.1	Ca_kabuli_chr06	35982882	GG	AA	1940364908
SNP_P1_116698_35998531	NC_021165.1	Ca_kabuli_chr06	35998531	TT	CC	1940364909
SNP_P1_116699_35998757	NC_021165.1	Ca_kabuli_chr06	35998757	CC	AA	1940364911
SNP_P1_116700_35998785	NC_021165.1	Ca_kabuli_chr06	35998785	TT	AA	1940364913
SNP_P1_116701_35999053	NC_021165.1	Ca_kabuli_chr06	35999053	GG	CC	1940364915
SNP_P1_116702_36000241	NC_021165.1	Ca_kabuli_chr06	36000241	TT	AA	1940364916
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SNP_P1_116704_36000791	NC_021165.1	Ca_kabuli_chr06	36000791	GG	TT	1940364920
SNP_P1_116705_36000807	NC_021165.1	Ca_kabuli_chr06	36000807	AA	GG	1940364922
SNP_P1_116706_36000826	NC_021165.1	Ca_kabuli_chr06	36000826	CC	TT	1940364923
SNP_P1_116707_36013522	NC_021165.1	Ca_kabuli_chr06	36013522	CC	GG	1940364925
SNP_P1_116708_36013543	NC_021165.1	Ca_kabuli_chr06	36013543	GG	AA	1940364927
SNP_P1_116709_36028000	NC_021165.1	Ca_kabuli_chr06	36028000	GG	AA	1940364929
SNP_P1_116710_36029339	NC_021165.1	Ca_kabuli_chr06	36029339	TT	GG	1940364930
SNP_P1_116711_36029575	NC_021165.1	Ca_kabuli_chr06	36029575	CC	TT	1940364932
SNP_P1_116713_36032650	NC_021165.1	Ca_kabuli_chr06	36032650	AA	GG	1940364934
SNP_P1_116714_36032741	NC_021165.1	Ca_kabuli_chr06	36032741	AA	GG	1940364936
SNP_P1_116715_36032947	NC_021165.1	Ca_kabuli_chr06	36032947	CC	AA	1940364937
SNP_P1_116717_36039680	NC_021165.1	Ca_kabuli_chr06	36039680	AA	CC	1940364939
SNP_P1_116718_36039777	NC_021165.1	Ca_kabuli_chr06	36039777	AA	TT	1940364941
SNP_P1_116719_36060679	NC_021165.1	Ca_kabuli_chr06	36060679	GG	AA	1940364943
SNP_P1_116720_36062128	NC_021165.1	Ca_kabuli_chr06	36062128	CC	TT	1940364944
SNP_P1_116721_36062140	NC_021165.1	Ca_kabuli_chr06	36062140	AA	TT	1940364946
SNP_P1_116722_36062149	NC_021165.1	Ca_kabuli_chr06	36062149	TT	CC	1940364948
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SNP_P1_116724_36067565	NC_021165.1	Ca_kabuli_chr06	36067565	AA	GG	1940364951
SNP_P1_116726_36070365	NC_021165.1	Ca_kabuli_chr06	36070365	AA	GG	1940364953
SNP_P1_116727_36070372	NC_021165.1	Ca_kabuli_chr06	36070372	TT	CC	1940364955
SNP_P1_116728_36070397	NC_021165.1	Ca_kabuli_chr06	36070397	TT	GG	1940364957
SNP_P1_116729_36070949	NC_021165.1	Ca_kabuli_chr06	36070949	AA	GG	1940364958
SNP_P1_116730_36083661	NC_021165.1	Ca_kabuli_chr06	36083661	GG	AA	1940364960
SNP_P1_116731_36083697	NC_021165.1	Ca_kabuli_chr06	36083697	TT	CC	1940364962
SNP_P1_116732_36083781	NC_021165.1	Ca_kabuli_chr06	36083781	TT	CC	1940364964
SNP_P1_116733_36083811	NC_021165.1	Ca_kabuli_chr06	36083811	GG	AA	1940364965
SNP_P1_116734_36083851	NC_021165.1	Ca_kabuli_chr06	36083851	TT	GG	1940364967
SNP_P1_116735_36083870	NC_021165.1	Ca_kabuli_chr06	36083870	TT	CC	1940364969
SNP_P1_116736_36083872	NC_021165.1	Ca_kabuli_chr06	36083872	AA	GG	1940364971
SNP_P1_116737_36085258	NC_021165.1	Ca_kabuli_chr06	36085258	CC	AA	1940364972

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116740_36124333	NC_021165.1	Ca_kabuli_chr06	36124333	GG	CC	1940364976
SNP_P1_116742_36137211	NC_021165.1	Ca_kabuli_chr06	36137211	AA	TT	1940364978
SNP_P1_116743_36145256	NC_021165.1	Ca_kabuli_chr06	36145256	AA	GG	1940364979
SNP_P1_116744_36153066	NC_021165.1	Ca_kabuli_chr06	36153066	AA	GG	1940364981
SNP_P1_116745_36176577	NC_021165.1	Ca_kabuli_chr06	36176577	GG	AA	1940364983
SNP_P1_116747_36235186	NC_021165.1	Ca_kabuli_chr06	36235186	GG	AA	1940364984
SNP_P1_116749_36246471	NC_021165.1	Ca_kabuli_chr06	36246471	TT	GG	1940364986
SNP_P1_116750_36246507	NC_021165.1	Ca_kabuli_chr06	36246507	GG	AA	1940364988
SNP_P1_116751_36246516	NC_021165.1	Ca_kabuli_chr06	36246516	AA	GG	1940364990
SNP_P1_116752_36272361	NC_021165.1	Ca_kabuli_chr06	36272361	GG	AA	1940364991
SNP_P1_116753_36272412	NC_021165.1	Ca_kabuli_chr06	36272412	CC	TT	1940364993
SNP_P1_116754_36272429	NC_021165.1	Ca_kabuli_chr06	36272429	GG	AA	1940364995
SNP_P1_116755_36272745	NC_021165.1	Ca_kabuli_chr06	36272745	CC	TT	1940364997
SNP_P1_116757_36287151	NC_021165.1	Ca_kabuli_chr06	36287151	GG	AA	1940364998
SNP_P1_116759_36335937	NC_021165.1	Ca_kabuli_chr06	36335937	GG	AA	1940365000
SNP_P1_116760_36337667	NC_021165.1	Ca_kabuli_chr06	36337667	AA	GG	1940365002
SNP_P1_116761_36339307	NC_021165.1	Ca_kabuli_chr06	36339307	AA	GG	1940365004
SNP_P1_116762_36346232	NC_021165.1	Ca_kabuli_chr06	36346232	CC	TT	1940365005
SNP_P1_116763_36346422	NC_021165.1	Ca_kabuli_chr06	36346422	CC	TT	1940365007
SNP_P1_116764_36346924	NC_021165.1	Ca_kabuli_chr06	36346924	TT	CC	1940365009
SNP_P1_116765_36347195	NC_021165.1	Ca_kabuli_chr06	36347195	AA	GG	1940365011
SNP_P1_116766_36389233	NC_021165.1	Ca_kabuli_chr06	36389233	GG	AA	1940365012
SNP_P1_116767_36389247	NC_021165.1	Ca_kabuli_chr06	36389247	CC	TT	1940365014
SNP_P1_116768_36400896	NC_021165.1	Ca_kabuli_chr06	36400896	AA	GG	1940365016
SNP_P1_116769_36406200	NC_021165.1	Ca_kabuli_chr06	36406200	TT	CC	1940365018
SNP_P1_116770_36406262	NC_021165.1	Ca_kabuli_chr06	36406262	CC	TT	1940365019
SNP_P1_116771_36406275	NC_021165.1	Ca_kabuli_chr06	36406275	AA	GG	1940365021
SNP_P1_116772_36412118	NC_021165.1	Ca_kabuli_chr06	36412118	TT	CC	1940365023
SNP_P1_116773_36412181	NC_021165.1	Ca_kabuli_chr06	36412181	GG	AA	1940365025
SNP_P1_116774_36412545	NC_021165.1	Ca_kabuli_chr06	36412545	CC	TT	1940365026
SNP_P1_116775_36412623	NC_021165.1	Ca_kabuli_chr06	36412623	AA	GG	1940365028
SNP_P1_116776_36412956	NC_021165.1	Ca_kabuli_chr06	36412956	CC	TT	1940365030
SNP_P1_116777_36450470	NC_021165.1	Ca_kabuli_chr06	36450470	TT	CC	1940365032
SNP_P1_116778_36450508	NC_021165.1	Ca_kabuli_chr06	36450508	GG	AA	1940365033
SNP_P1_116779_36450683	NC_021165.1	Ca_kabuli_chr06	36450683	AA	CC	1940365035
SNP_P1_116780_36450821	NC_021165.1	Ca_kabuli_chr06	36450821	AA	GG	1940365037
SNP_P1_116782_36487675	NC_021165.1	Ca_kabuli_chr06	36487675	AA	GG	1940365039
SNP_P1_116783_36487690	NC_021165.1	Ca_kabuli_chr06	36487690	CC	TT	1940365040
SNP_P1_116784_36487708	NC_021165.1	Ca_kabuli_chr06	36487708	CC	TT	1940365042
SNP_P1_116785_36487986	NC_021165.1	Ca_kabuli_chr06	36487986	CC	AA	1940365044
SNP_P1_116786_36487990	NC_021165.1	Ca_kabuli_chr06	36487990	CC	TT	1940365046

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116789_36488097	NC_021165.1	Ca_kabuli_chr06	36488097	AA	GG	1940365051
SNP_P1_116790_36488115	NC_021165.1	Ca_kabuli_chr06	36488115	GG	AA	1940365053
SNP_P1_116791_36488289	NC_021165.1	Ca_kabuli_chr06	36488289	CC	TT	1940365054
SNP_P1_116792_36490723	NC_021165.1	Ca_kabuli_chr06	36490723	AA	TT	1940365056
SNP_P1_116793_36490737	NC_021165.1	Ca_kabuli_chr06	36490737	CC	TT	1940365058
SNP_P1_116795_36491100	NC_021165.1	Ca_kabuli_chr06	36491100	AA	GG	1940365060
SNP_P1_116796_36491107	NC_021165.1	Ca_kabuli_chr06	36491107	TT	CC	1940365061
SNP_P1_116797_36491192	NC_021165.1	Ca_kabuli_chr06	36491192	TT	CC	1940365063
SNP_P1_116798_36491256	NC_021165.1	Ca_kabuli_chr06	36491256	GG	AA	1940365065
SNP_P1_116799_36491272	NC_021165.1	Ca_kabuli_chr06	36491272	TT	CC	1940365067
SNP_P1_116800_36491288	NC_021165.1	Ca_kabuli_chr06	36491288	TT	CC	1940365068
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SNP_P1_116802_36491329	NC_021165.1	Ca_kabuli_chr06	36491329	CC	GG	1940365072
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SNP_P1_116805_36495416	NC_021165.1	Ca_kabuli_chr06	36495416	GG	AA	1940365077
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SNP_P1_116811_36518146	NC_021165.1	Ca_kabuli_chr06	36518146	CC	TT	1940365087
SNP_P1_116812_36518148	NC_021165.1	Ca_kabuli_chr06	36518148	CC	AA	1940365089
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SNP_P1_116817_36522468	NC_021165.1	Ca_kabuli_chr06	36522468	GG	TT	1940365098
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SNP_P1_116819_36558399	NC_021165.1	Ca_kabuli_chr06	36558399	AA	CC	1940365101
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116832_36642628	NC_021165.1	Ca_kabuli_chr06	36642628	TT	GG	1940365124
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SNP_P1_116837_36671413	NC_021165.1	Ca_kabuli_chr06	36671413	TT	AA	1940365131
SNP_P1_116838_36687143	NC_021165.1	Ca_kabuli_chr06	36687143	CC	TT	1940365133
SNP_P1_116839_36716619	NC_021165.1	Ca_kabuli_chr06	36716619	TT	AA	1940365135
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SNP_P1_116864_36783552	NC_021165.1	Ca_kabuli_chr06	36783552	TT	CC	1940365171
SNP_P1_116865_36783745	NC_021165.1	Ca_kabuli_chr06	36783745	AA	GG	1940365173
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SNP_P1_116870_36784116	NC_021165.1	Ca_kabuli_chr06	36784116	CC	TT	1940365182
SNP_P1_116871_36784119	NC_021165.1	Ca_kabuli_chr06	36784119	AA	CC	1940365183
SNP_P1_116872_36784137	NC_021165.1	Ca_kabuli_chr06	36784137	AA	GG	1940365185
SNP_P1_116873_36784505	NC_021165.1	Ca_kabuli_chr06	36784505	CC	TT	1940365187
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SNP_P1_116876_36786212	NC_021165.1	Ca_kabuli_chr06	36786212	AA	GG	1940365192

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116880_36786277	NC_021165.1	Ca_kabuli_chr06	36786277	AA	GG	1940365199
SNP_P1_116881_36786318	NC_021165.1	Ca_kabuli_chr06	36786318	TT	CC	1940365201
SNP_P1_116882_36786325	NC_021165.1	Ca_kabuli_chr06	36786325	CC	TT	1940365203
SNP_P1_116883_36786409	NC_021165.1	Ca_kabuli_chr06	36786409	CC	TT	1940365204
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SNP_P1_116909_36893140	NC_021165.1	Ca_kabuli_chr06	36893140	CC	AA	1940365248
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SNP_P1_116917_36893317	NC_021165.1	Ca_kabuli_chr06	36893317	TT	AA	1940365262
SNP_P1_116919_36917932	NC_021165.1	Ca_kabuli_chr06	36917932	TT	GG	1940365264
SNP_P1_116921_36959412	NC_021165.1	Ca_kabuli_chr06	36959412	CC	GG	1940365265

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_116924_36997812	NC_021165.1	Ca_kabuli_chr06	36997812	AA	GG	1940365271
SNP_P1_116925_36997831	NC_021165.1	Ca_kabuli_chr06	36997831	AA	GG	1940365272
SNP_P1_116926_37001398	NC_021165.1	Ca_kabuli_chr06	37001398	CC	AA	1940365274
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SNP_P1_116928_37004310	NC_021165.1	Ca_kabuli_chr06	37004310	AA	GG	1940365278
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SNP_P1_116930_37009741	NC_021165.1	Ca_kabuli_chr06	37009741	TT	CC	1940365281
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SNP_P1_116941_37092623	NC_021165.1	Ca_kabuli_chr06	37092623	AA	GG	1940365295
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SNP_P1_116967_37201297	NC_021165.1	Ca_kabuli_chr06	37201297	TT	AA	1940365339

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SNP_P1_116971_37221699	NC_021165.1	Ca_kabuli_chr06	37221699	CC	GG	1940365344
SNP_P1_116972_37221727	NC_021165.1	Ca_kabuli_chr06	37221727	AA	GG	1940365346
SNP_P1_116973_37221783	NC_021165.1	Ca_kabuli_chr06	37221783	TT	CC	1940365347
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SNP_P1_116983_37222026	NC_021165.1	Ca_kabuli_chr06	37222026	TT	CC	1940365363
SNP_P1_116984_37222171	NC_021165.1	Ca_kabuli_chr06	37222171	TT	GG	1940365365
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SNP_P1_116991_37277007	NC_021165.1	Ca_kabuli_chr06	37277007	AA	GG	1940365377
SNP_P1_116992_37280225	NC_021165.1	Ca_kabuli_chr06	37280225	AA	GG	1940365379
SNP_P1_116993_37284152	NC_021165.1	Ca_kabuli_chr06	37284152	GG	AA	1940365380
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SNP_P1_116995_37293430	NC_021165.1	Ca_kabuli_chr06	37293430	TT	CC	1940365384
SNP_P1_116996_37293496	NC_021165.1	Ca_kabuli_chr06	37293496	TT	AA	1940365386
SNP_P1_116997_37293784	NC_021165.1	Ca_kabuli_chr06	37293784	TT	AA	1940365387
SNP_P1_116998_37295816	NC_021165.1	Ca_kabuli_chr06	37295816	GG	TT	1940365389
SNP_P1_116999_37295904	NC_021165.1	Ca_kabuli_chr06	37295904	AA	GG	1940365391
SNP_P1_117000_37295911	NC_021165.1	Ca_kabuli_chr06	37295911	TT	CC	1940365393
SNP_P1_117001_37295927	NC_021165.1	Ca_kabuli_chr06	37295927	AA	GG	1940365394
SNP_P1_117002_37295935	NC_021165.1	Ca_kabuli_chr06	37295935	AA	GG	1940365396
SNP_P1_117003_37316134	NC_021165.1	Ca_kabuli_chr06	37316134	CC	AA	1940365398
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SNP_P1_117010_37403550	NC_021165.1	Ca_kabuli_chr06	37403550	AA	GG	1940365405
SNP_P1_117011_37418728	NC_021165.1	Ca_kabuli_chr06	37418728	CC	TT	1940365407
SNP_P1_117012_37433263	NC_021165.1	Ca_kabuli_chr06	37433263	AA	GG	1940365408
SNP_P1_117013_37451308	NC_021165.1	Ca_kabuli_chr06	37451308	GG	CC	1940365410
SNP_P1_117014_37451539	NC_021165.1	Ca_kabuli_chr06	37451539	AA	CC	1940365412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117016_37453305	NC_021165.1	Ca_kabuli_chr06	37453305	AA	GG	1940365415
SNP_P1_117017_37453340	NC_021165.1	Ca_kabuli_chr06	37453340	TT	GG	1940365417
SNP_P1_117018_37453405	NC_021165.1	Ca_kabuli_chr06	37453405	TT	CC	1940365419
SNP_P1_117019_37453436	NC_021165.1	Ca_kabuli_chr06	37453436	TT	CC	1940365421
SNP_P1_117020_37453464	NC_021165.1	Ca_kabuli_chr06	37453464	AA	TT	1940365422
SNP_P1_117021_37453472	NC_021165.1	Ca_kabuli_chr06	37453472	TT	CC	1940365424
SNP_P1_117022_37453481	NC_021165.1	Ca_kabuli_chr06	37453481	TT	GG	1940365426
SNP_P1_117023_37453492	NC_021165.1	Ca_kabuli_chr06	37453492	CC	AA	1940365428
SNP_P1_117024_37453518	NC_021165.1	Ca_kabuli_chr06	37453518	TT	CC	1940365429
SNP_P1_117025_37453565	NC_021165.1	Ca_kabuli_chr06	37453565	CC	GG	1940365431
SNP_P1_117026_37453667	NC_021165.1	Ca_kabuli_chr06	37453667	TT	AA	1940365433
SNP_P1_117027_37453704	NC_021165.1	Ca_kabuli_chr06	37453704	AA	CC	1940365435
SNP_P1_117028_37453797	NC_021165.1	Ca_kabuli_chr06	37453797	AA	GG	1940365436
SNP_P1_117029_37453827	NC_021165.1	Ca_kabuli_chr06	37453827	AA	GG	1940365438
SNP_P1_117030_37453871	NC_021165.1	Ca_kabuli_chr06	37453871	AA	GG	1940365440
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SNP_P1_117036_37560609	NC_021165.1	Ca_kabuli_chr06	37560609	AA	CC	1940365449
SNP_P1_117037_37561016	NC_021165.1	Ca_kabuli_chr06	37561016	CC	TT	1940365450
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SNP_P1_117043_37611075	NC_021165.1	Ca_kabuli_chr06	37611075	CC	TT	1940365461
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SNP_P1_117046_37613195	NC_021165.1	Ca_kabuli_chr06	37613195	AA	GG	1940365466
SNP_P1_117047_37613207	NC_021165.1	Ca_kabuli_chr06	37613207	GG	AA	1940365468
SNP_P1_117048_37613214	NC_021165.1	Ca_kabuli_chr06	37613214	GG	AA	1940365469
SNP_P1_117049_37617171	NC_021165.1	Ca_kabuli_chr06	37617171	TT	CC	1940365471
SNP_P1_117050_37617358	NC_021165.1	Ca_kabuli_chr06	37617358	GG	AA	1940365473
SNP_P1_117051_37617400	NC_021165.1	Ca_kabuli_chr06	37617400	AA	CC	1940365475
SNP_P1_117052_37621052	NC_021165.1	Ca_kabuli_chr06	37621052	CC	TT	1940365476
SNP_P1_117053_37628447	NC_021165.1	Ca_kabuli_chr06	37628447	TT	CC	1940365478
SNP_P1_117054_37628457	NC_021165.1	Ca_kabuli_chr06	37628457	TT	CC	1940365480
SNP_P1_117055_37632351	NC_021165.1	Ca_kabuli_chr06	37632351	TT	CC	1940365482
SNP_P1_117056_37632357	NC_021165.1	Ca_kabuli_chr06	37632357	AA	CC	1940365483
SNP_P1_117057_37632360	NC_021165.1	Ca_kabuli_chr06	37632360	GG	AA	1940365485

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117060_37638631	NC_021165.1	Ca_kabuli_chr06	37638631	GG	AA	1940365490
SNP_P1_117061_37639019	NC_021165.1	Ca_kabuli_chr06	37639019	CC	TT	1940365492
SNP_P1_117062_37639095	NC_021165.1	Ca_kabuli_chr06	37639095	AA	CC	1940365494
SNP_P1_117063_37639173	NC_021165.1	Ca_kabuli_chr06	37639173	TT	GG	1940365496
SNP_P1_117064_37639174	NC_021165.1	Ca_kabuli_chr06	37639174	CC	GG	1940365497
SNP_P1_117065_37639379	NC_021165.1	Ca_kabuli_chr06	37639379	GG	AA	1940365499
SNP_P1_117066_37639415	NC_021165.1	Ca_kabuli_chr06	37639415	GG	TT	1940365501
SNP_P1_117067_37639435	NC_021165.1	Ca_kabuli_chr06	37639435	TT	CC	1940365503
SNP_P1_117068_37639549	NC_021165.1	Ca_kabuli_chr06	37639549	AA	GG	1940365504
SNP_P1_117069_37639551	NC_021165.1	Ca_kabuli_chr06	37639551	TT	AA	1940365506
SNP_P1_117071_37657156	NC_021165.1	Ca_kabuli_chr06	37657156	AA	GG	1940365508
SNP_P1_117072_37657640	NC_021165.1	Ca_kabuli_chr06	37657640	TT	CC	1940365510
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SNP_P1_117075_37672648	NC_021165.1	Ca_kabuli_chr06	37672648	CC	GG	1940365515
SNP_P1_117076_37673504	NC_021165.1	Ca_kabuli_chr06	37673504	TT	GG	1940365517
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SNP_P1_117079_37711746	NC_021165.1	Ca_kabuli_chr06	37711746	TT	AA	1940365520
SNP_P1_117081_37725109	NC_021165.1	Ca_kabuli_chr06	37725109	CC	TT	1940365522
SNP_P1_117082_37730019	NC_021165.1	Ca_kabuli_chr06	37730019	CC	GG	1940365524
SNP_P1_117083_37762213	NC_021165.1	Ca_kabuli_chr06	37762213	TT	AA	1940365525
SNP_P1_117084_37762281	NC_021165.1	Ca_kabuli_chr06	37762281	AA	GG	1940365527
SNP_P1_117085_37763813	NC_021165.1	Ca_kabuli_chr06	37763813	TT	CC	1940365529
SNP_P1_117086_37763848	NC_021165.1	Ca_kabuli_chr06	37763848	TT	AA	1940365531
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SNP_P1_117088_37763909	NC_021165.1	Ca_kabuli_chr06	37763909	CC	TT	1940365534
SNP_P1_117089_37763917	NC_021165.1	Ca_kabuli_chr06	37763917	AA	CC	1940365536
SNP_P1_117090_37763919	NC_021165.1	Ca_kabuli_chr06	37763919	GG	AA	1940365537
SNP_P1_117091_37776132	NC_021165.1	Ca_kabuli_chr06	37776132	CC	AA	1940365539
SNP_P1_117093_37800517	NC_021165.1	Ca_kabuli_chr06	37800517	GG	AA	1940365541
SNP_P1_117094_37810987	NC_021165.1	Ca_kabuli_chr06	37810987	AA	GG	1940365543
SNP_P1_117095_37814806	NC_021165.1	Ca_kabuli_chr06	37814806	CC	GG	1940365544
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SNP_P1_117097_37822857	NC_021165.1	Ca_kabuli_chr06	37822857	AA	TT	1940365548
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SNP_P1_117099_37825175	NC_021165.1	Ca_kabuli_chr06	37825175	GG	TT	1940365551
SNP_P1_117100_37825183	NC_021165.1	Ca_kabuli_chr06	37825183	GG	AA	1940365553
SNP_P1_117101_37827502	NC_021165.1	Ca_kabuli_chr06	37827502	AA	TT	1940365555
SNP_P1_117102_37831190	NC_021165.1	Ca_kabuli_chr06	37831190	GG	AA	1940365557
SNP_P1_117103_37834229	NC_021165.1	Ca_kabuli_chr06	37834229	GG	AA	1940365558

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117106_37835332	NC_021165.1	Ca_kabuli_chr06	37835332	AA	GG	1940365564
SNP_P1_117107_37835431	NC_021165.1	Ca_kabuli_chr06	37835431	AA	GG	1940365565
SNP_P1_117108_37835631	NC_021165.1	Ca_kabuli_chr06	37835631	CC	TT	1940365567
SNP_P1_117109_37836257	NC_021165.1	Ca_kabuli_chr06	37836257	AA	GG	1940365569
SNP_P1_117110_37836419	NC_021165.1	Ca_kabuli_chr06	37836419	GG	AA	1940365571
SNP_P1_117111_37836482	NC_021165.1	Ca_kabuli_chr06	37836482	TT	CC	1940365572
SNP_P1_117112_37836506	NC_021165.1	Ca_kabuli_chr06	37836506	TT	CC	1940365574
SNP_P1_117113_37836524	NC_021165.1	Ca_kabuli_chr06	37836524	AA	TT	1940365576
SNP_P1_117114_37836632	NC_021165.1	Ca_kabuli_chr06	37836632	AA	TT	1940365578
SNP_P1_117115_37836893	NC_021165.1	Ca_kabuli_chr06	37836893	CC	AA	1940365579
SNP_P1_117116_37836943	NC_021165.1	Ca_kabuli_chr06	37836943	AA	GG	1940365581
SNP_P1_117118_37849727	NC_021165.1	Ca_kabuli_chr06	37849727	GG	AA	1940365583
SNP_P1_117119_37849802	NC_021165.1	Ca_kabuli_chr06	37849802	AA	GG	1940365585
SNP_P1_117120_37849884	NC_021165.1	Ca_kabuli_chr06	37849884	TT	CC	1940365586
SNP_P1_117121_37849988	NC_021165.1	Ca_kabuli_chr06	37849988	CC	AA	1940365588
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SNP_P1_117129_37893614	NC_021165.1	Ca_kabuli_chr06	37893614	TT	AA	1940365597
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SNP_P1_117131_37894142	NC_021165.1	Ca_kabuli_chr06	37894142	GG	AA	1940365600
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SNP_P1_117140_37902180	NC_021165.1	Ca_kabuli_chr06	37902180	AA	GG	1940365614
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SNP_P1_117145_37934779	NC_021165.1	Ca_kabuli_chr06	37934779	AA	TT	1940365623
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SNP_P1_117149_37934824	NC_021165.1	Ca_kabuli_chr06	37934824	AA	CC	1940365630
SNP_P1_117150_37934834	NC_021165.1	Ca_kabuli_chr06	37934834	TT	CC	1940365632

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117154_37935201	NC_021165.1	Ca_kabuli_chr06	37935201	CC	AA	1940365637
SNP_P1_117155_37935235	NC_021165.1	Ca_kabuli_chr06	37935235	CC	TT	1940365639
SNP_P1_117156_37935242	NC_021165.1	Ca_kabuli_chr06	37935242	GG	AA	1940365640
SNP_P1_117157_37935271	NC_021165.1	Ca_kabuli_chr06	37935271	GG	AA	1940365642
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SNP_P1_117159_37938449	NC_021165.1	Ca_kabuli_chr06	37938449	GG	TT	1940365646
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SNP_P1_117161_37947300	NC_021165.1	Ca_kabuli_chr06	37947300	AA	CC	1940365649
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SNP_P1_117170_37975858	NC_021165.1	Ca_kabuli_chr06	37975858	TT	AA	1940365661
SNP_P1_117171_37975966	NC_021165.1	Ca_kabuli_chr06	37975966	CC	AA	1940365663
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SNP_P1_117177_37976160	NC_021165.1	Ca_kabuli_chr06	37976160	CC	TT	1940365674
SNP_P1_117178_37976164	NC_021165.1	Ca_kabuli_chr06	37976164	CC	TT	1940365675
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SNP_P1_117185_37980750	NC_021165.1	Ca_kabuli_chr06	37980750	GG	AA	1940365688
SNP_P1_117186_37981131	NC_021165.1	Ca_kabuli_chr06	37981131	GG	CC	1940365689
SNP_P1_117187_37981144	NC_021165.1	Ca_kabuli_chr06	37981144	GG	TT	1940365691
SNP_P1_117188_37981252	NC_021165.1	Ca_kabuli_chr06	37981252	AA	CC	1940365693
SNP_P1_117190_37981480	NC_021165.1	Ca_kabuli_chr06	37981480	GG	AA	1940365694
SNP_P1_117191_37981519	NC_021165.1	Ca_kabuli_chr06	37981519	AA	GG	1940365696
SNP_P1_117192_37981593	NC_021165.1	Ca_kabuli_chr06	37981593	AA	GG	1940365698
SNP_P1_117193_37981676	NC_021165.1	Ca_kabuli_chr06	37981676	GG	AA	1940365700
SNP_P1_117194_37981699	NC_021165.1	Ca_kabuli_chr06	37981699	TT	CC	1940365701
SNP_P1_117195_37981708	NC_021165.1	Ca_kabuli_chr06	37981708	CC	TT	1940365703
SNP_P1_117196_37981786	NC_021165.1	Ca_kabuli_chr06	37981786	CC	TT	1940365705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117199_37982008	NC_021165.1	Ca_kabuli_chr06	37982008	AA	CC	1940365708
SNP_P1_117200_37982062	NC_021165.1	Ca_kabuli_chr06	37982062	TT	GG	1940365710
SNP_P1_117202_37982188	NC_021165.1	Ca_kabuli_chr06	37982188	CC	AA	1940365712
SNP_P1_117203_37982268	NC_021165.1	Ca_kabuli_chr06	37982268	CC	TT	1940365714
SNP_P1_117204_37986075	NC_021165.1	Ca_kabuli_chr06	37986075	AA	CC	1940365715
SNP_P1_117205_37986140	NC_021165.1	Ca_kabuli_chr06	37986140	AA	GG	1940365717
SNP_P1_117206_37986141	NC_021165.1	Ca_kabuli_chr06	37986141	AA	TT	1940365719
SNP_P1_117207_37993970	NC_021165.1	Ca_kabuli_chr06	37993970	GG	AA	1940365721
SNP_P1_117208_38012007	NC_021165.1	Ca_kabuli_chr06	38012007	AA	GG	1940365722
SNP_P1_117209_38012009	NC_021165.1	Ca_kabuli_chr06	38012009	GG	TT	1940365724
SNP_P1_117210_38012036	NC_021165.1	Ca_kabuli_chr06	38012036	CC	TT	1940365726
SNP_P1_117211_38012052	NC_021165.1	Ca_kabuli_chr06	38012052	CC	TT	1940365728
SNP_P1_117212_38012054	NC_021165.1	Ca_kabuli_chr06	38012054	TT	GG	1940365729
SNP_P1_117213_38012059	NC_021165.1	Ca_kabuli_chr06	38012059	AA	TT	1940365731
SNP_P1_117214_38015263	NC_021165.1	Ca_kabuli_chr06	38015263	AA	CC	1940365733
SNP_P1_117215_38020662	NC_021165.1	Ca_kabuli_chr06	38020662	CC	TT	1940365735
SNP_P1_117216_38032469	NC_021165.1	Ca_kabuli_chr06	38032469	TT	AA	1940365736
SNP_P1_117218_38047748	NC_021165.1	Ca_kabuli_chr06	38047748	TT	GG	1940365738
SNP_P1_117219_38054614	NC_021165.1	Ca_kabuli_chr06	38054614	AA	GG	1940365740
SNP_P1_117220_38054665	NC_021165.1	Ca_kabuli_chr06	38054665	GG	AA	1940365742
SNP_P1_117221_38054674	NC_021165.1	Ca_kabuli_chr06	38054674	CC	AA	1940365743
SNP_P1_117222_38054675	NC_021165.1	Ca_kabuli_chr06	38054675	AA	GG	1940365745
SNP_P1_117223_38054685	NC_021165.1	Ca_kabuli_chr06	38054685	CC	TT	1940365747
SNP_P1_117224_38054709	NC_021165.1	Ca_kabuli_chr06	38054709	AA	GG	1940365749
SNP_P1_117225_38054717	NC_021165.1	Ca_kabuli_chr06	38054717	TT	CC	1940365750
SNP_P1_117226_38054937	NC_021165.1	Ca_kabuli_chr06	38054937	TT	CC	1940365752
SNP_P1_117227_38055010	NC_021165.1	Ca_kabuli_chr06	38055010	TT	CC	1940365754
SNP_P1_117228_38059556	NC_021165.1	Ca_kabuli_chr06	38059556	AA	GG	1940365756
SNP_P1_117229_38070177	NC_021165.1	Ca_kabuli_chr06	38070177	GG	CC	1940365757
SNP_P1_117230_38070202	NC_021165.1	Ca_kabuli_chr06	38070202	AA	GG	1940365759
SNP_P1_117231_38070219	NC_021165.1	Ca_kabuli_chr06	38070219	CC	AA	1940365761
SNP_P1_117232_38070240	NC_021165.1	Ca_kabuli_chr06	38070240	TT	CC	1940365763
SNP_P1_117233_38070241	NC_021165.1	Ca_kabuli_chr06	38070241	GG	AA	1940365764
SNP_P1_117234_38079755	NC_021165.1	Ca_kabuli_chr06	38079755	TT	CC	1940365766
SNP_P1_117235_38089180	NC_021165.1	Ca_kabuli_chr06	38089180	AA	CC	1940365768
SNP_P1_117236_38089182	NC_021165.1	Ca_kabuli_chr06	38089182	GG	TT	1940365770
SNP_P1_117237_38111157	NC_021165.1	Ca_kabuli_chr06	38111157	AA	GG	1940365771
SNP_P1_117238_38112410	NC_021165.1	Ca_kabuli_chr06	38112410	AA	GG	1940365773
SNP_P1_117239_38112615	NC_021165.1	Ca_kabuli_chr06	38112615	GG	AA	1940365775
SNP_P1_117240_38112838	NC_021165.1	Ca_kabuli_chr06	38112838	AA	GG	1940365776
SNP_P1_117241_38112887	NC_021165.1	Ca_kabuli_chr06	38112887	AA	CC	1940365778

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117243_38124341	NC_021165.1	Ca_kabuli_chr06	38124341	AA	GG	1940365782
SNP_P1_117244_38124499	NC_021165.1	Ca_kabuli_chr06	38124499	CC	TT	1940365783
SNP_P1_117245_38124568	NC_021165.1	Ca_kabuli_chr06	38124568	TT	CC	1940365785
SNP_P1_117246_38124580	NC_021165.1	Ca_kabuli_chr06	38124580	AA	GG	1940365787
SNP_P1_117247_38124583	NC_021165.1	Ca_kabuli_chr06	38124583	GG	AA	1940365789
SNP_P1_117248_38124602	NC_021165.1	Ca_kabuli_chr06	38124602	AA	GG	1940365790
SNP_P1_117249_38124620	NC_021165.1	Ca_kabuli_chr06	38124620	AA	GG	1940365792
SNP_P1_117250_38124653	NC_021165.1	Ca_kabuli_chr06	38124653	AA	GG	1940365794
SNP_P1_117251_38124660	NC_021165.1	Ca_kabuli_chr06	38124660	AA	GG	1940365796
SNP_P1_117252_38124700	NC_021165.1	Ca_kabuli_chr06	38124700	GG	AA	1940365797
SNP_P1_117253_38135203	NC_021165.1	Ca_kabuli_chr06	38135203	AA	GG	1940365799
SNP_P1_117254_38135229	NC_021165.1	Ca_kabuli_chr06	38135229	TT	CC	1940365801
SNP_P1_117256_38135341	NC_021165.1	Ca_kabuli_chr06	38135341	AA	GG	1940365803
SNP_P1_117257_38135351	NC_021165.1	Ca_kabuli_chr06	38135351	TT	CC	1940365804
SNP_P1_117258_38135383	NC_021165.1	Ca_kabuli_chr06	38135383	TT	AA	1940365806
SNP_P1_117259_38135404	NC_021165.1	Ca_kabuli_chr06	38135404	GG	AA	1940365808
SNP_P1_117260_38135421	NC_021165.1	Ca_kabuli_chr06	38135421	CC	AA	1940365810
SNP_P1_117261_38135422	NC_021165.1	Ca_kabuli_chr06	38135422	TT	AA	1940365811
SNP_P1_117262_38135425	NC_021165.1	Ca_kabuli_chr06	38135425	AA	GG	1940365813
SNP_P1_117263_38135467	NC_021165.1	Ca_kabuli_chr06	38135467	TT	CC	1940365815
SNP_P1_117264_38135483	NC_021165.1	Ca_kabuli_chr06	38135483	TT	CC	1940365817
SNP_P1_117265_38135490	NC_021165.1	Ca_kabuli_chr06	38135490	AA	GG	1940365818
SNP_P1_117266_38135506	NC_021165.1	Ca_kabuli_chr06	38135506	AA	GG	1940365820
SNP_P1_117267_38135527	NC_021165.1	Ca_kabuli_chr06	38135527	CC	TT	1940365822
SNP_P1_117268_38146124	NC_021165.1	Ca_kabuli_chr06	38146124	TT	CC	1940365824
SNP_P1_117269_38151486	NC_021165.1	Ca_kabuli_chr06	38151486	GG	AA	1940365825
SNP_P1_117270_38151818	NC_021165.1	Ca_kabuli_chr06	38151818	TT	GG	1940365827
SNP_P1_117271_38151826	NC_021165.1	Ca_kabuli_chr06	38151826	AA	CC	1940365829
SNP_P1_117272_38173334	NC_021165.1	Ca_kabuli_chr06	38173334	TT	AA	1940365831
SNP_P1_117273_38182224	NC_021165.1	Ca_kabuli_chr06	38182224	AA	CC	1940365832
SNP_P1_117274_38196165	NC_021165.1	Ca_kabuli_chr06	38196165	AA	CC	1940365834
SNP_P1_117275_38196208	NC_021165.1	Ca_kabuli_chr06	38196208	AA	TT	1940365836
SNP_P1_117276_38196244	NC_021165.1	Ca_kabuli_chr06	38196244	CC	TT	1940365838
SNP_P1_117277_38196394	NC_021165.1	Ca_kabuli_chr06	38196394	AA	TT	1940365839
SNP_P1_117278_38196396	NC_021165.1	Ca_kabuli_chr06	38196396	AA	CC	1940365841
SNP_P1_117279_38196435	NC_021165.1	Ca_kabuli_chr06	38196435	AA	TT	1940365843
SNP_P1_117280_38196457	NC_021165.1	Ca_kabuli_chr06	38196457	TT	GG	1940365845
SNP_P1_117281_38196460	NC_021165.1	Ca_kabuli_chr06	38196460	AA	GG	1940365846
SNP_P1_117282_38196474	NC_021165.1	Ca_kabuli_chr06	38196474	TT	CC	1940365848
SNP_P1_117283_38196496	NC_021165.1	Ca_kabuli_chr06	38196496	AA	GG	1940365850
SNP_P1_117284_38196502	NC_021165.1	Ca_kabuli_chr06	38196502	AA	TT	1940365851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117286_38196524	NC_021165.1	Ca_kabuli_chr06	38196524	AA	CC	1940365855
SNP_P1_117287_38196541	NC_021165.1	Ca_kabuli_chr06	38196541	AA	GG	1940365857
SNP_P1_117288_38196556	NC_021165.1	Ca_kabuli_chr06	38196556	AA	GG	1940365858
SNP_P1_117289_38197457	NC_021165.1	Ca_kabuli_chr06	38197457	TT	AA	1940365860
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SNP_P1_117292_38202245	NC_021165.1	Ca_kabuli_chr06	38202245	AA	GG	1940365864
SNP_P1_117293_38202251	NC_021165.1	Ca_kabuli_chr06	38202251	AA	GG	1940365866
SNP_P1_117294_38202476	NC_021165.1	Ca_kabuli_chr06	38202476	TT	CC	1940365867
SNP_P1_117297_38231206	NC_021165.1	Ca_kabuli_chr06	38231206	CC	TT	1940365869
SNP_P1_117298_38232349	NC_021165.1	Ca_kabuli_chr06	38232349	GG	AA	1940365871
SNP_P1_117299_38232366	NC_021165.1	Ca_kabuli_chr06	38232366	GG	TT	1940365872
SNP_P1_117300_38232380	NC_021165.1	Ca_kabuli_chr06	38232380	CC	AA	1940365874
SNP_P1_117301_38233544	NC_021165.1	Ca_kabuli_chr06	38233544	CC	TT	1940365876
SNP_P1_117302_38233575	NC_021165.1	Ca_kabuli_chr06	38233575	CC	TT	1940365878
SNP_P1_117303_38237684	NC_021165.1	Ca_kabuli_chr06	38237684	AA	TT	1940365879
SNP_P1_117304_38238007	NC_021165.1	Ca_kabuli_chr06	38238007	AA	CC	1940365881
SNP_P1_117305_38250532	NC_021165.1	Ca_kabuli_chr06	38250532	GG	AA	1940365883
SNP_P1_117306_38251887	NC_021165.1	Ca_kabuli_chr06	38251887	TT	GG	1940365885
SNP_P1_117307_38253840	NC_021165.1	Ca_kabuli_chr06	38253840	GG	AA	1940365886
SNP_P1_117308_38262278	NC_021165.1	Ca_kabuli_chr06	38262278	TT	CC	1940365888
SNP_P1_117309_38292039	NC_021165.1	Ca_kabuli_chr06	38292039	AA	GG	1940365890
SNP_P1_117312_38358810	NC_021165.1	Ca_kabuli_chr06	38358810	TT	AA	1940365892
SNP_P1_117313_38365356	NC_021165.1	Ca_kabuli_chr06	38365356	GG	AA	1940365893
SNP_P1_117314_38374403	NC_021165.1	Ca_kabuli_chr06	38374403	AA	GG	1940365895
SNP_P1_117315_38379536	NC_021165.1	Ca_kabuli_chr06	38379536	GG	AA	1940365897
SNP_P1_117316_38382095	NC_021165.1	Ca_kabuli_chr06	38382095	AA	GG	1940365899
SNP_P1_117318_38386528	NC_021165.1	Ca_kabuli_chr06	38386528	CC	GG	1940365900
SNP_P1_117319_38390043	NC_021165.1	Ca_kabuli_chr06	38390043	CC	TT	1940365902
SNP_P1_117320_38401633	NC_021165.1	Ca_kabuli_chr06	38401633	TT	CC	1940365904
SNP_P1_117321_38448557	NC_021165.1	Ca_kabuli_chr06	38448557	AA	CC	1940365906
SNP_P1_117322_38448572	NC_021165.1	Ca_kabuli_chr06	38448572	AA	GG	1940365907
SNP_P1_117323_38466691	NC_021165.1	Ca_kabuli_chr06	38466691	TT	CC	1940365909
SNP_P1_117324_38466694	NC_021165.1	Ca_kabuli_chr06	38466694	GG	AA	1940365911
SNP_P1_117325_38466700	NC_021165.1	Ca_kabuli_chr06	38466700	GG	TT	1940365913
SNP_P1_117326_38466701	NC_021165.1	Ca_kabuli_chr06	38466701	AA	CC	1940365914
SNP_P1_117327_38466748	NC_021165.1	Ca_kabuli_chr06	38466748	CC	AA	1940365916
SNP_P1_117328_38466752	NC_021165.1	Ca_kabuli_chr06	38466752	CC	TT	1940365918
SNP_P1_117329_38473041	NC_021165.1	Ca_kabuli_chr06	38473041	CC	TT	1940365920
SNP_P1_117330_38473045	NC_021165.1	Ca_kabuli_chr06	38473045	GG	AA	1940365921
SNP_P1_117332_38473180	NC_021165.1	Ca_kabuli_chr06	38473180	GG	AA	1940365923
SNP_P1_117333_38473191	NC_021165.1	Ca_kabuli_chr06	38473191	GG	AA	1940365925

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117337_38510404	NC_021165.1	Ca_kabuli_chr06	38510404	AA	GG	1940365930
SNP_P1_117338_38513541	NC_021165.1	Ca_kabuli_chr06	38513541	AA	GG	1940365932
SNP_P1_117339_38530608	NC_021165.1	Ca_kabuli_chr06	38530608	GG	TT	1940365934
SNP_P1_117340_38551716	NC_021165.1	Ca_kabuli_chr06	38551716	TT	CC	1940365935
SNP_P1_117341_38557879	NC_021165.1	Ca_kabuli_chr06	38557879	AA	TT	1940365937
SNP_P1_117342_38567971	NC_021165.1	Ca_kabuli_chr06	38567971	AA	TT	1940365939
SNP_P1_117343_38575455	NC_021165.1	Ca_kabuli_chr06	38575455	GG	AA	1940365941
SNP_P1_117344_38575464	NC_021165.1	Ca_kabuli_chr06	38575464	CC	GG	1940365942
SNP_P1_117345_38575498	NC_021165.1	Ca_kabuli_chr06	38575498	CC	TT	1940365944
SNP_P1_117346_38575531	NC_021165.1	Ca_kabuli_chr06	38575531	GG	AA	1940365946
SNP_P1_117347_38575646	NC_021165.1	Ca_kabuli_chr06	38575646	TT	CC	1940365948
SNP_P1_117348_38575673	NC_021165.1	Ca_kabuli_chr06	38575673	GG	AA	1940365949
SNP_P1_117349_38575679	NC_021165.1	Ca_kabuli_chr06	38575679	AA	GG	1940365951
SNP_P1_117350_38575745	NC_021165.1	Ca_kabuli_chr06	38575745	GG	TT	1940365953
SNP_P1_117351_38575763	NC_021165.1	Ca_kabuli_chr06	38575763	TT	AA	1940365955
SNP_P1_117352_38577918	NC_021165.1	Ca_kabuli_chr06	38577918	AA	GG	1940365956
SNP_P1_117353_38577930	NC_021165.1	Ca_kabuli_chr06	38577930	CC	TT	1940365958
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SNP_P1_117356_38578005	NC_021165.1	Ca_kabuli_chr06	38578005	AA	TT	1940365963
SNP_P1_117357_38578016	NC_021165.1	Ca_kabuli_chr06	38578016	TT	CC	1940365965
SNP_P1_117358_38578204	NC_021165.1	Ca_kabuli_chr06	38578204	AA	TT	1940365967
SNP_P1_117359_38578207	NC_021165.1	Ca_kabuli_chr06	38578207	TT	CC	1940365968
SNP_P1_117360_38579743	NC_021165.1	Ca_kabuli_chr06	38579743	CC	TT	1940365970
SNP_P1_117361_38595607	NC_021165.1	Ca_kabuli_chr06	38595607	TT	CC	1940365972
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SNP_P1_117363_38613900	NC_021165.1	Ca_kabuli_chr06	38613900	GG	AA	1940365975
SNP_P1_117364_38614340	NC_021165.1	Ca_kabuli_chr06	38614340	GG	TT	1940365977
SNP_P1_117365_38629289	NC_021165.1	Ca_kabuli_chr06	38629289	CC	TT	1940365979
SNP_P1_117366_38629354	NC_021165.1	Ca_kabuli_chr06	38629354	AA	TT	1940365981
SNP_P1_117367_38629670	NC_021165.1	Ca_kabuli_chr06	38629670	AA	GG	1940365982
SNP_P1_117368_38633428	NC_021165.1	Ca_kabuli_chr06	38633428	CC	TT	1940365984
SNP_P1_117369_38633616	NC_021165.1	Ca_kabuli_chr06	38633616	GG	AA	1940365986
SNP_P1_117370_38646020	NC_021165.1	Ca_kabuli_chr06	38646020	AA	GG	1940365988
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SNP_P1_117373_38656295	NC_021165.1	Ca_kabuli_chr06	38656295	CC	AA	1940365991
SNP_P1_117374_38669226	NC_021165.1	Ca_kabuli_chr06	38669226	AA	GG	1940365993
SNP_P1_117375_38669325	NC_021165.1	Ca_kabuli_chr06	38669325	TT	AA	1940365995
SNP_P1_117376_38669590	NC_021165.1	Ca_kabuli_chr06	38669590	TT	AA	1940365996
SNP_P1_117377_38670216	NC_021165.1	Ca_kabuli_chr06	38670216	TT	AA	1940365998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117380_38682455	NC_021165.1	Ca_kabuli_chr06	38682455	GG	AA	1940366003
SNP_P1_117381_38701935	NC_021165.1	Ca_kabuli_chr06	38701935	CC	TT	1940366005
SNP_P1_117382_38701971	NC_021165.1	Ca_kabuli_chr06	38701971	GG	CC	1940366007
SNP_P1_117383_38705192	NC_021165.1	Ca_kabuli_chr06	38705192	TT	CC	1940366009
SNP_P1_117384_38709988	NC_021165.1	Ca_kabuli_chr06	38709988	GG	AA	1940366010
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SNP_P1_117390_38726697	NC_021165.1	Ca_kabuli_chr06	38726697	CC	TT	1940366019
SNP_P1_117391_38746474	NC_021165.1	Ca_kabuli_chr06	38746474	GG	AA	1940366021
SNP_P1_117392_38746552	NC_021165.1	Ca_kabuli_chr06	38746552	CC	TT	1940366023
SNP_P1_117394_38762507	NC_021165.1	Ca_kabuli_chr06	38762507	CC	TT	1940366024
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SNP_P1_117397_38803096	NC_021165.1	Ca_kabuli_chr06	38803096	CC	AA	1940366030
SNP_P1_117398_38810458	NC_021165.1	Ca_kabuli_chr06	38810458	TT	CC	1940366031
SNP_P1_117400_38829993	NC_021165.1	Ca_kabuli_chr06	38829993	TT	AA	1940366033
SNP_P1_117401_38829994	NC_021165.1	Ca_kabuli_chr06	38829994	AA	TT	1940366035
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SNP_P1_117404_38863489	NC_021165.1	Ca_kabuli_chr06	38863489	AA	GG	1940366040
SNP_P1_117405_38863508	NC_021165.1	Ca_kabuli_chr06	38863508	TT	CC	1940366042
SNP_P1_117406_38863512	NC_021165.1	Ca_kabuli_chr06	38863512	TT	CC	1940366043
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SNP_P1_117410_38863578	NC_021165.1	Ca_kabuli_chr06	38863578	TT	GG	1940366050
SNP_P1_117412_38863869	NC_021165.1	Ca_kabuli_chr06	38863869	CC	TT	1940366052
SNP_P1_117413_38863941	NC_021165.1	Ca_kabuli_chr06	38863941	CC	TT	1940366054
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SNP_P1_117415_38864023	NC_021165.1	Ca_kabuli_chr06	38864023	GG	AA	1940366057
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SNP_P1_117418_38864043	NC_021165.1	Ca_kabuli_chr06	38864043	CC	TT	1940366063
SNP_P1_117419_38864049	NC_021165.1	Ca_kabuli_chr06	38864049	TT	CC	1940366064
SNP_P1_117420_38865642	NC_021165.1	Ca_kabuli_chr06	38865642	AA	GG	1940366066
SNP_P1_117421_38871608	NC_021165.1	Ca_kabuli_chr06	38871608	AA	TT	1940366068
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SNP_P1_117423_38887346	NC_021165.1	Ca_kabuli_chr06	38887346	AA	GG	1940366071

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117426_38941182	NC_021165.1	Ca_kabuli_chr06	38941182	AA	GG	1940366077
SNP_P1_117427_38943259	NC_021165.1	Ca_kabuli_chr06	38943259	GG	AA	1940366078
SNP_P1_117428_38947043	NC_021165.1	Ca_kabuli_chr06	38947043	AA	GG	1940366080
SNP_P1_117429_38951286	NC_021165.1	Ca_kabuli_chr06	38951286	TT	CC	1940366082
SNP_P1_117430_38979014	NC_021165.1	Ca_kabuli_chr06	38979014	TT	CC	1940366084
SNP_P1_117432_39016845	NC_021165.1	Ca_kabuli_chr06	39016845	AA	CC	1940366085
SNP_P1_117433_39031880	NC_021165.1	Ca_kabuli_chr06	39031880	TT	AA	1940366087
SNP_P1_117434_39044299	NC_021165.1	Ca_kabuli_chr06	39044299	GG	AA	1940366089
SNP_P1_117435_39048226	NC_021165.1	Ca_kabuli_chr06	39048226	TT	CC	1940366091
SNP_P1_117436_39048481	NC_021165.1	Ca_kabuli_chr06	39048481	CC	AA	1940366092
SNP_P1_117437_39048497	NC_021165.1	Ca_kabuli_chr06	39048497	CC	TT	1940366094
SNP_P1_117438_39048501	NC_021165.1	Ca_kabuli_chr06	39048501	AA	GG	1940366096
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SNP_P1_117440_39048758	NC_021165.1	Ca_kabuli_chr06	39048758	CC	TT	1940366099
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SNP_P1_117445_39049360	NC_021165.1	Ca_kabuli_chr06	39049360	TT	CC	1940366108
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SNP_P1_117454_39053214	NC_021165.1	Ca_kabuli_chr06	39053214	GG	AA	1940366124
SNP_P1_117455_39053224	NC_021165.1	Ca_kabuli_chr06	39053224	CC	TT	1940366126
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SNP_P1_117460_39055974	NC_021165.1	Ca_kabuli_chr06	39055974	AA	GG	1940366134
SNP_P1_117461_39055998	NC_021165.1	Ca_kabuli_chr06	39055998	TT	CC	1940366136
SNP_P1_117462_39056031	NC_021165.1	Ca_kabuli_chr06	39056031	AA	CC	1940366138
SNP_P1_117463_39056047	NC_021165.1	Ca_kabuli_chr06	39056047	GG	AA	1940366139
SNP_P1_117464_39062178	NC_021165.1	Ca_kabuli_chr06	39062178	CC	TT	1940366141
SNP_P1_117465_39063180	NC_021165.1	Ca_kabuli_chr06	39063180	CC	TT	1940366143
SNP_P1_117466_39078513	NC_021165.1	Ca_kabuli_chr06	39078513	AA	CC	1940366145

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117469_39137553	NC_021165.1	Ca_kabuli_chr06	39137553	TT	GG	1940366150
SNP_P1_117470_39137569	NC_021165.1	Ca_kabuli_chr06	39137569	TT	GG	1940366152
SNP_P1_117471_39137779	NC_021165.1	Ca_kabuli_chr06	39137779	TT	CC	1940366153
SNP_P1_117472_39147455	NC_021165.1	Ca_kabuli_chr06	39147455	CC	TT	1940366155
SNP_P1_117473_39154545	NC_021165.1	Ca_kabuli_chr06	39154545	TT	AA	1940366157
SNP_P1_117474_39154999	NC_021165.1	Ca_kabuli_chr06	39154999	TT	AA	1940366159
SNP_P1_117475_39155953	NC_021165.1	Ca_kabuli_chr06	39155953	CC	TT	1940366160
SNP_P1_117476_39175913	NC_021165.1	Ca_kabuli_chr06	39175913	AA	GG	1940366162
SNP_P1_117477_39176922	NC_021165.1	Ca_kabuli_chr06	39176922	TT	AA	1940366164
SNP_P1_117479_39182914	NC_021165.1	Ca_kabuli_chr06	39182914	TT	CC	1940366166
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SNP_P1_117485_39227596	NC_021165.1	Ca_kabuli_chr06	39227596	AA	GG	1940366176
SNP_P1_117486_39227705	NC_021165.1	Ca_kabuli_chr06	39227705	AA	GG	1940366178
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SNP_P1_117490_39249985	NC_021165.1	Ca_kabuli_chr06	39249985	AA	GG	1940366183
SNP_P1_117491_39251224	NC_021165.1	Ca_kabuli_chr06	39251224	TT	CC	1940366185
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SNP_P1_117493_39283809	NC_021165.1	Ca_kabuli_chr06	39283809	AA	GG	1940366188
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SNP_P1_117498_39284246	NC_021165.1	Ca_kabuli_chr06	39284246	AA	GG	1940366195
SNP_P1_117499_39301737	NC_021165.1	Ca_kabuli_chr06	39301737	GG	TT	1940366197
SNP_P1_117500_39316401	NC_021165.1	Ca_kabuli_chr06	39316401	AA	TT	1940366199
SNP_P1_117501_39424394	NC_021165.1	Ca_kabuli_chr06	39424394	GG	AA	1940366201
SNP_P1_117502_39464760	NC_021165.1	Ca_kabuli_chr06	39464760	GG	AA	1940366202
SNP_P1_117503_39469851	NC_021165.1	Ca_kabuli_chr06	39469851	GG	AA	1940366204
SNP_P1_117505_39483141	NC_021165.1	Ca_kabuli_chr06	39483141	AA	GG	1940366206
SNP_P1_117506_39483544	NC_021165.1	Ca_kabuli_chr06	39483544	GG	CC	1940366208
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SNP_P1_117510_39500110	NC_021165.1	Ca_kabuli_chr06	39500110	TT	AA	1940366213
SNP_P1_117511_39500189	NC_021165.1	Ca_kabuli_chr06	39500189	TT	CC	1940366215
SNP_P1_117512_39500214	NC_021165.1	Ca_kabuli_chr06	39500214	GG	AA	1940366216
SNP_P1_117513_39500217	NC_021165.1	Ca_kabuli_chr06	39500217	CC	TT	1940366218

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117516_39508735	NC_021165.1	Ca_kabuli_chr06	39508735	GG	AA	1940366221
SNP_P1_117517_39527423	NC_021165.1	Ca_kabuli_chr06	39527423	CC	TT	1940366223
SNP_P1_117518_39527637	NC_021165.1	Ca_kabuli_chr06	39527637	TT	CC	1940366225
SNP_P1_117519_39527639	NC_021165.1	Ca_kabuli_chr06	39527639	TT	AA	1940366227
SNP_P1_117520_39533052	NC_021165.1	Ca_kabuli_chr06	39533052	TT	CC	1940366228
SNP_P1_117521_39561887	NC_021165.1	Ca_kabuli_chr06	39561887	CC	TT	1940366230
SNP_P1_117522_39585086	NC_021165.1	Ca_kabuli_chr06	39585086	TT	AA	1940366232
SNP_P1_117523_39585087	NC_021165.1	Ca_kabuli_chr06	39585087	GG	TT	1940366234
SNP_P1_117524_39606951	NC_021165.1	Ca_kabuli_chr06	39606951	TT	GG	1940366235
SNP_P1_117525_39615631	NC_021165.1	Ca_kabuli_chr06	39615631	AA	TT	1940366237
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SNP_P1_117527_39622112	NC_021165.1	Ca_kabuli_chr06	39622112	TT	AA	1940366241
SNP_P1_117528_39625026	NC_021165.1	Ca_kabuli_chr06	39625026	TT	CC	1940366242
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SNP_P1_117532_39674757	NC_021165.1	Ca_kabuli_chr06	39674757	GG	AA	1940366248
SNP_P1_117533_39677118	NC_021165.1	Ca_kabuli_chr06	39677118	GG	AA	1940366249
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SNP_P1_117542_39696227	NC_021165.1	Ca_kabuli_chr06	39696227	TT	GG	1940366265
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SNP_P1_117546_39724016	NC_021165.1	Ca_kabuli_chr06	39724016	AA	CC	1940366272
SNP_P1_117547_39724022	NC_021165.1	Ca_kabuli_chr06	39724022	AA	GG	1940366274
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SNP_P1_117551_39765444	NC_021165.1	Ca_kabuli_chr06	39765444	TT	CC	1940366279
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SNP_P1_117558_39783399	NC_021165.1	Ca_kabuli_chr06	39783399	AA	GG	1940366290
SNP_P1_117559_39783400	NC_021165.1	Ca_kabuli_chr06	39783400	CC	TT	1940366291

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117562_39790153	NC_021165.1	Ca_kabuli_chr06	39790153	GG	TT	1940366297
SNP_P1_117564_39792358	NC_021165.1	Ca_kabuli_chr06	39792358	GG	AA	1940366298
SNP_P1_117566_39792449	NC_021165.1	Ca_kabuli_chr06	39792449	GG	AA	1940366300
SNP_P1_117568_39827274	NC_021165.1	Ca_kabuli_chr06	39827274	TT	CC	1940366302
SNP_P1_117569_39834190	NC_021165.1	Ca_kabuli_chr06	39834190	GG	AA	1940366304
SNP_P1_117570_39834602	NC_021165.1	Ca_kabuli_chr06	39834602	AA	GG	1940366305
SNP_P1_117571_39842820	NC_021165.1	Ca_kabuli_chr06	39842820	TT	AA	1940366307
SNP_P1_117572_39842822	NC_021165.1	Ca_kabuli_chr06	39842822	TT	GG	1940366309
SNP_P1_117573_39859264	NC_021165.1	Ca_kabuli_chr06	39859264	TT	CC	1940366311
SNP_P1_117574_39861753	NC_021165.1	Ca_kabuli_chr06	39861753	TT	CC	1940366312
SNP_P1_117575_39862964	NC_021165.1	Ca_kabuli_chr06	39862964	TT	CC	1940366314
SNP_P1_117576_39862965	NC_021165.1	Ca_kabuli_chr06	39862965	GG	AA	1940366316
SNP_P1_117577_39863002	NC_021165.1	Ca_kabuli_chr06	39863002	AA	CC	1940366317
SNP_P1_117579_39870281	NC_021165.1	Ca_kabuli_chr06	39870281	CC	AA	1940366319
SNP_P1_117580_39879852	NC_021165.1	Ca_kabuli_chr06	39879852	AA	TT	1940366321
SNP_P1_117581_39880218	NC_021165.1	Ca_kabuli_chr06	39880218	AA	GG	1940366323
SNP_P1_117582_39893665	NC_021165.1	Ca_kabuli_chr06	39893665	TT	GG	1940366324
SNP_P1_117583_39917422	NC_021165.1	Ca_kabuli_chr06	39917422	GG	AA	1940366326
SNP_P1_117584_39951729	NC_021165.1	Ca_kabuli_chr06	39951729	CC	TT	1940366328
SNP_P1_117585_39983496	NC_021165.1	Ca_kabuli_chr06	39983496	CC	TT	1940366330
SNP_P1_117586_40007471	NC_021165.1	Ca_kabuli_chr06	40007471	GG	AA	1940366331
SNP_P1_117587_40009548	NC_021165.1	Ca_kabuli_chr06	40009548	CC	TT	1940366333
SNP_P1_117588_40017564	NC_021165.1	Ca_kabuli_chr06	40017564	CC	TT	1940366335
SNP_P1_117589_40019792	NC_021165.1	Ca_kabuli_chr06	40019792	TT	GG	1940366337
SNP_P1_117590_40024171	NC_021165.1	Ca_kabuli_chr06	40024171	GG	CC	1940366338
SNP_P1_117591_40036466	NC_021165.1	Ca_kabuli_chr06	40036466	TT	GG	1940366340
SNP_P1_117592_40036483	NC_021165.1	Ca_kabuli_chr06	40036483	TT	AA	1940366342
SNP_P1_117593_40036546	NC_021165.1	Ca_kabuli_chr06	40036546	GG	TT	1940366344
SNP_P1_117594_40036554	NC_021165.1	Ca_kabuli_chr06	40036554	TT	AA	1940366345
SNP_P1_117595_40037039	NC_021165.1	Ca_kabuli_chr06	40037039	AA	CC	1940366347
SNP_P1_117596_40037090	NC_021165.1	Ca_kabuli_chr06	40037090	GG	TT	1940366349
SNP_P1_117597_40051682	NC_021165.1	Ca_kabuli_chr06	40051682	GG	AA	1940366351
SNP_P1_117598_40060139	NC_021165.1	Ca_kabuli_chr06	40060139	CC	TT	1940366352
SNP_P1_117600_40100644	NC_021165.1	Ca_kabuli_chr06	40100644	GG	AA	1940366354
SNP_P1_117601_40100759	NC_021165.1	Ca_kabuli_chr06	40100759	AA	CC	1940366356
SNP_P1_117602_40101903	NC_021165.1	Ca_kabuli_chr06	40101903	CC	TT	1940366358
SNP_P1_117603_40102475	NC_021165.1	Ca_kabuli_chr06	40102475	GG	AA	1940366359
SNP_P1_117604_40102690	NC_021165.1	Ca_kabuli_chr06	40102690	GG	AA	1940366361
SNP_P1_117605_40108122	NC_021165.1	Ca_kabuli_chr06	40108122	TT	CC	1940366363
SNP_P1_117606_40119294	NC_021165.1	Ca_kabuli_chr06	40119294	AA	TT	1940366365

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117610_40119712	NC_021165.1	Ca_kabuli_chr06	40119712	TT	GG	1940366372
SNP_P1_117611_40119715	NC_021165.1	Ca_kabuli_chr06	40119715	AA	GG	1940366373
SNP_P1_117612_40131749	NC_021165.1	Ca_kabuli_chr06	40131749	CC	TT	1940366375
SNP_P1_117613_40131929	NC_021165.1	Ca_kabuli_chr06	40131929	GG	AA	1940366377
SNP_P1_117614_40132179	NC_021165.1	Ca_kabuli_chr06	40132179	TT	CC	1940366379
SNP_P1_117615_40132245	NC_021165.1	Ca_kabuli_chr06	40132245	TT	CC	1940366380
SNP_P1_117616_40144533	NC_021165.1	Ca_kabuli_chr06	40144533	AA	TT	1940366382
SNP_P1_117617_40144723	NC_021165.1	Ca_kabuli_chr06	40144723	CC	GG	1940366384
SNP_P1_117618_40144726	NC_021165.1	Ca_kabuli_chr06	40144726	AA	GG	1940366386
SNP_P1_117619_40144750	NC_021165.1	Ca_kabuli_chr06	40144750	CC	TT	1940366387
SNP_P1_117620_40144754	NC_021165.1	Ca_kabuli_chr06	40144754	AA	GG	1940366389
SNP_P1_117621_40144788	NC_021165.1	Ca_kabuli_chr06	40144788	AA	GG	1940366391
SNP_P1_117622_40146099	NC_021165.1	Ca_kabuli_chr06	40146099	AA	GG	1940366392
SNP_P1_117623_40156602	NC_021165.1	Ca_kabuli_chr06	40156602	AA	TT	1940366394
SNP_P1_117624_40162771	NC_021165.1	Ca_kabuli_chr06	40162771	GG	AA	1940366396
SNP_P1_117625_40164454	NC_021165.1	Ca_kabuli_chr06	40164454	AA	CC	1940366398
SNP_P1_117626_40164787	NC_021165.1	Ca_kabuli_chr06	40164787	TT	CC	1940366399
SNP_P1_117627_40176847	NC_021165.1	Ca_kabuli_chr06	40176847	AA	TT	1940366401
SNP_P1_117628_40181249	NC_021165.1	Ca_kabuli_chr06	40181249	TT	CC	1940366403
SNP_P1_117629_40183178	NC_021165.1	Ca_kabuli_chr06	40183178	TT	GG	1940366405
SNP_P1_117630_40186621	NC_021165.1	Ca_kabuli_chr06	40186621	GG	AA	1940366406
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SNP_P1_117634_40188542	NC_021165.1	Ca_kabuli_chr06	40188542	TT	AA	1940366413
SNP_P1_117635_40189626	NC_021165.1	Ca_kabuli_chr06	40189626	AA	CC	1940366415
SNP_P1_117636_40189651	NC_021165.1	Ca_kabuli_chr06	40189651	TT	AA	1940366417
SNP_P1_117637_40193642	NC_021165.1	Ca_kabuli_chr06	40193642	GG	AA	1940366419
SNP_P1_117638_40199245	NC_021165.1	Ca_kabuli_chr06	40199245	GG	TT	1940366420
SNP_P1_117639_40221027	NC_021165.1	Ca_kabuli_chr06	40221027	AA	GG	1940366422
SNP_P1_117640_40221963	NC_021165.1	Ca_kabuli_chr06	40221963	CC	AA	1940366424
SNP_P1_117641_40245674	NC_021165.1	Ca_kabuli_chr06	40245674	CC	TT	1940366426
SNP_P1_117642_40245757	NC_021165.1	Ca_kabuli_chr06	40245757	AA	TT	1940366427
SNP_P1_117643_40249035	NC_021165.1	Ca_kabuli_chr06	40249035	GG	AA	1940366429
SNP_P1_117644_40263932	NC_021165.1	Ca_kabuli_chr06	40263932	GG	AA	1940366431
SNP_P1_117645_40263952	NC_021165.1	Ca_kabuli_chr06	40263952	TT	CC	1940366433
SNP_P1_117646_40265489	NC_021165.1	Ca_kabuli_chr06	40265489	GG	TT	1940366434
SNP_P1_117647_40282004	NC_021165.1	Ca_kabuli_chr06	40282004	TT	CC	1940366436
SNP_P1_117648_40294611	NC_021165.1	Ca_kabuli_chr06	40294611	GG	TT	1940366438

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117651_40331922	NC_021165.1	Ca_kabuli_chr06	40331922	TT	CC	1940366443
SNP_P1_117652_40361082	NC_021165.1	Ca_kabuli_chr06	40361082	TT	CC	1940366445
SNP_P1_117653_40361196	NC_021165.1	Ca_kabuli_chr06	40361196	GG	AA	1940366447
SNP_P1_117654_40364666	NC_021165.1	Ca_kabuli_chr06	40364666	CC	TT	1940366448
SNP_P1_117655_40368624	NC_021165.1	Ca_kabuli_chr06	40368624	TT	CC	1940366450
SNP_P1_117656_40397707	NC_021165.1	Ca_kabuli_chr06	40397707	TT	AA	1940366452
SNP_P1_117657_40410248	NC_021165.1	Ca_kabuli_chr06	40410248	AA	GG	1940366454
SNP_P1_117658_40417681	NC_021165.1	Ca_kabuli_chr06	40417681	GG	AA	1940366455
SNP_P1_117659_40417800	NC_021165.1	Ca_kabuli_chr06	40417800	AA	TT	1940366457
SNP_P1_117660_40419447	NC_021165.1	Ca_kabuli_chr06	40419447	AA	CC	1940366459
SNP_P1_117661_40423654	NC_021165.1	Ca_kabuli_chr06	40423654	GG	AA	1940366461
SNP_P1_117662_40427940	NC_021165.1	Ca_kabuli_chr06	40427940	TT	AA	1940366462
SNP_P1_117663_40427971	NC_021165.1	Ca_kabuli_chr06	40427971	GG	AA	1940366464
SNP_P1_117664_40429248	NC_021165.1	Ca_kabuli_chr06	40429248	AA	TT	1940366466
SNP_P1_117665_40429551	NC_021165.1	Ca_kabuli_chr06	40429551	CC	TT	1940366468
SNP_P1_117666_40433487	NC_021165.1	Ca_kabuli_chr06	40433487	AA	GG	1940366469
SNP_P1_117667_40445464	NC_021165.1	Ca_kabuli_chr06	40445464	GG	AA	1940366471
SNP_P1_117668_40469957	NC_021165.1	Ca_kabuli_chr06	40469957	TT	CC	1940366473
SNP_P1_117669_40490679	NC_021165.1	Ca_kabuli_chr06	40490679	AA	GG	1940366475
SNP_P1_117671_40513670	NC_021165.1	Ca_kabuli_chr06	40513670	CC	GG	1940366476
SNP_P1_117672_40515927	NC_021165.1	Ca_kabuli_chr06	40515927	TT	CC	1940366478
SNP_P1_117673_40516220	NC_021165.1	Ca_kabuli_chr06	40516220	GG	TT	1940366480
SNP_P1_117674_40522625	NC_021165.1	Ca_kabuli_chr06	40522625	CC	AA	1940366482
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SNP_P1_117676_40522667	NC_021165.1	Ca_kabuli_chr06	40522667	GG	AA	1940366485
SNP_P1_117677_40522690	NC_021165.1	Ca_kabuli_chr06	40522690	AA	TT	1940366487
SNP_P1_117678_40522759	NC_021165.1	Ca_kabuli_chr06	40522759	GG	AA	1940366489
SNP_P1_117679_40523106	NC_021165.1	Ca_kabuli_chr06	40523106	GG	AA	1940366490
SNP_P1_117680_40523127	NC_021165.1	Ca_kabuli_chr06	40523127	GG	AA	1940366492
SNP_P1_117682_40533291	NC_021165.1	Ca_kabuli_chr06	40533291	TT	CC	1940366494
SNP_P1_117684_40536271	NC_021165.1	Ca_kabuli_chr06	40536271	GG	TT	1940366495
SNP_P1_117685_40536554	NC_021165.1	Ca_kabuli_chr06	40536554	AA	GG	1940366497
SNP_P1_117686_40536577	NC_021165.1	Ca_kabuli_chr06	40536577	CC	TT	1940366499
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SNP_P1_117688_40536673	NC_021165.1	Ca_kabuli_chr06	40536673	CC	TT	1940366502
SNP_P1_117689_40536800	NC_021165.1	Ca_kabuli_chr06	40536800	GG	AA	1940366504
SNP_P1_117690_40536843	NC_021165.1	Ca_kabuli_chr06	40536843	GG	TT	1940366506
SNP_P1_117691_40536880	NC_021165.1	Ca_kabuli_chr06	40536880	GG	AA	1940366508
SNP_P1_117692_40536893	NC_021165.1	Ca_kabuli_chr06	40536893	AA	TT	1940366509
SNP_P1_117693_40536903	NC_021165.1	Ca_kabuli_chr06	40536903	TT	AA	1940366511

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117696_40580412	NC_021165.1	Ca_kabuli_chr06	40580412	TT	CC	1940366516
SNP_P1_117697_40583529	NC_021165.1	Ca_kabuli_chr06	40583529	GG	AA	1940366518
SNP_P1_117698_40586094	NC_021165.1	Ca_kabuli_chr06	40586094	TT	CC	1940366520
SNP_P1_117699_40586648	NC_021165.1	Ca_kabuli_chr06	40586648	AA	GG	1940366522
SNP_P1_117700_40586757	NC_021165.1	Ca_kabuli_chr06	40586757	TT	GG	1940366523
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SNP_P1_117702_40592626	NC_021165.1	Ca_kabuli_chr06	40592626	GG	AA	1940366527
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SNP_P1_117704_40592984	NC_021165.1	Ca_kabuli_chr06	40592984	TT	CC	1940366530
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SNP_P1_117706_40652221	NC_021165.1	Ca_kabuli_chr06	40652221	GG	AA	1940366534
SNP_P1_117707_40665505	NC_021165.1	Ca_kabuli_chr06	40665505	GG	CC	1940366536
SNP_P1_117708_40684403	NC_021165.1	Ca_kabuli_chr06	40684403	AA	GG	1940366537
SNP_P1_117709_40684430	NC_021165.1	Ca_kabuli_chr06	40684430	CC	TT	1940366539
SNP_P1_117710_40684433	NC_021165.1	Ca_kabuli_chr06	40684433	CC	AA	1940366541
SNP_P1_117711_40684434	NC_021165.1	Ca_kabuli_chr06	40684434	CC	TT	1940366543
SNP_P1_117712_40684438	NC_021165.1	Ca_kabuli_chr06	40684438	AA	GG	1940366544
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SNP_P1_117714_40684698	NC_021165.1	Ca_kabuli_chr06	40684698	TT	CC	1940366548
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SNP_P1_117716_40692779	NC_021165.1	Ca_kabuli_chr06	40692779	GG	AA	1940366551
SNP_P1_117718_40705891	NC_021165.1	Ca_kabuli_chr06	40705891	AA	GG	1940366553
SNP_P1_117719_40747048	NC_021165.1	Ca_kabuli_chr06	40747048	GG	TT	1940366555
SNP_P1_117720_40760819	NC_021165.1	Ca_kabuli_chr06	40760819	TT	CC	1940366557
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SNP_P1_117723_40807993	NC_021165.1	Ca_kabuli_chr06	40807993	AA	TT	1940366560
SNP_P1_117724_40820848	NC_021165.1	Ca_kabuli_chr06	40820848	GG	AA	1940366562
SNP_P1_117726_40845396	NC_021165.1	Ca_kabuli_chr06	40845396	TT	CC	1940366564
SNP_P1_117727_40854819	NC_021165.1	Ca_kabuli_chr06	40854819	AA	GG	1940366565
SNP_P1_117728_40854822	NC_021165.1	Ca_kabuli_chr06	40854822	GG	AA	1940366567
SNP_P1_117729_40855293	NC_021165.1	Ca_kabuli_chr06	40855293	AA	TT	1940366569
SNP_P1_117730_40860051	NC_021165.1	Ca_kabuli_chr06	40860051	AA	GG	1940366571
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SNP_P1_117735_40860539	NC_021165.1	Ca_kabuli_chr06	40860539	GG	AA	1940366579
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SNP_P1_117737_40863517	NC_021165.1	Ca_kabuli_chr06	40863517	AA	TT	1940366583
SNP_P1_117738_40863521	NC_021165.1	Ca_kabuli_chr06	40863521	AA	TT	1940366585

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117741_40864466	NC_021165.1	Ca_kabuli_chr06	40864466	GG	CC	1940366590
SNP_P1_117742_40866046	NC_021165.1	Ca_kabuli_chr06	40866046	TT	AA	1940366592
SNP_P1_117743_40868675	NC_021165.1	Ca_kabuli_chr06	40868675	TT	AA	1940366593
SNP_P1_117744_40894437	NC_021165.1	Ca_kabuli_chr06	40894437	GG	AA	1940366595
SNP_P1_117745_40897024	NC_021165.1	Ca_kabuli_chr06	40897024	AA	GG	1940366597
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SNP_P1_117751_40955711	NC_021165.1	Ca_kabuli_chr06	40955711	AA	TT	1940366607
SNP_P1_117752_40956838	NC_021165.1	Ca_kabuli_chr06	40956838	CC	TT	1940366609
SNP_P1_117754_41001193	NC_021165.1	Ca_kabuli_chr06	41001193	GG	AA	1940366611
SNP_P1_117755_41001279	NC_021165.1	Ca_kabuli_chr06	41001279	CC	TT	1940366612
SNP_P1_117756_41001832	NC_021165.1	Ca_kabuli_chr06	41001832	TT	CC	1940366614
SNP_P1_117757_41001875	NC_021165.1	Ca_kabuli_chr06	41001875	AA	CC	1940366616
SNP_P1_117758_41001882	NC_021165.1	Ca_kabuli_chr06	41001882	AA	CC	1940366618
SNP_P1_117759_41001883	NC_021165.1	Ca_kabuli_chr06	41001883	AA	TT	1940366619
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SNP_P1_117761_41010706	NC_021165.1	Ca_kabuli_chr06	41010706	TT	AA	1940366623
SNP_P1_117762_41059959	NC_021165.1	Ca_kabuli_chr06	41059959	TT	CC	1940366625
SNP_P1_117763_41073444	NC_021165.1	Ca_kabuli_chr06	41073444	CC	TT	1940366626
SNP_P1_117764_41075650	NC_021165.1	Ca_kabuli_chr06	41075650	TT	CC	1940366628
SNP_P1_117765_41081503	NC_021165.1	Ca_kabuli_chr06	41081503	AA	GG	1940366630
SNP_P1_117766_41082374	NC_021165.1	Ca_kabuli_chr06	41082374	CC	TT	1940366632
SNP_P1_117767_41116188	NC_021165.1	Ca_kabuli_chr06	41116188	AA	GG	1940366633
SNP_P1_117768_41116225	NC_021165.1	Ca_kabuli_chr06	41116225	CC	AA	1940366635
SNP_P1_117769_41117925	NC_021165.1	Ca_kabuli_chr06	41117925	CC	AA	1940366637
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SNP_P1_117771_41118330	NC_021165.1	Ca_kabuli_chr06	41118330	AA	GG	1940366640
SNP_P1_117772_41118380	NC_021165.1	Ca_kabuli_chr06	41118380	GG	AA	1940366642
SNP_P1_117773_41118385	NC_021165.1	Ca_kabuli_chr06	41118385	AA	TT	1940366644
SNP_P1_117774_41118424	NC_021165.1	Ca_kabuli_chr06	41118424	AA	TT	1940366646
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SNP_P1_117777_41118624	NC_021165.1	Ca_kabuli_chr06	41118624	AA	TT	1940366651
SNP_P1_117779_41118930	NC_021165.1	Ca_kabuli_chr06	41118930	GG	AA	1940366653
SNP_P1_117780_41118978	NC_021165.1	Ca_kabuli_chr06	41118978	TT	CC	1940366654
SNP_P1_117781_41119058	NC_021165.1	Ca_kabuli_chr06	41119058	TT	CC	1940366656
SNP_P1_117782_41128534	NC_021165.1	Ca_kabuli_chr06	41128534	AA	GG	1940366658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117785_41128693	NC_021165.1	Ca_kabuli_chr06	41128693	AA	GG	1940366661
SNP_P1_117786_41128699	NC_021165.1	Ca_kabuli_chr06	41128699	CC	TT	1940366663
SNP_P1_117787_41128701	NC_021165.1	Ca_kabuli_chr06	41128701	GG	AA	1940366665
SNP_P1_117788_41128726	NC_021165.1	Ca_kabuli_chr06	41128726	TT	CC	1940366667
SNP_P1_117789_41128736	NC_021165.1	Ca_kabuli_chr06	41128736	CC	TT	1940366668
SNP_P1_117790_41128786	NC_021165.1	Ca_kabuli_chr06	41128786	GG	TT	1940366670
SNP_P1_117791_41128847	NC_021165.1	Ca_kabuli_chr06	41128847	CC	TT	1940366672
SNP_P1_117793_41129346	NC_021165.1	Ca_kabuli_chr06	41129346	AA	TT	1940366674
SNP_P1_117794_41129358	NC_021165.1	Ca_kabuli_chr06	41129358	CC	TT	1940366675
SNP_P1_117795_41131983	NC_021165.1	Ca_kabuli_chr06	41131983	CC	TT	1940366677
SNP_P1_117796_41132399	NC_021165.1	Ca_kabuli_chr06	41132399	AA	CC	1940366679
SNP_P1_117797_41132416	NC_021165.1	Ca_kabuli_chr06	41132416	AA	GG	1940366681
SNP_P1_117798_41132467	NC_021165.1	Ca_kabuli_chr06	41132467	AA	TT	1940366682
SNP_P1_117799_41132481	NC_021165.1	Ca_kabuli_chr06	41132481	TT	CC	1940366684
SNP_P1_117800_41132488	NC_021165.1	Ca_kabuli_chr06	41132488	AA	GG	1940366686
SNP_P1_117801_41135134	NC_021165.1	Ca_kabuli_chr06	41135134	GG	AA	1940366688
SNP_P1_117802_41135162	NC_021165.1	Ca_kabuli_chr06	41135162	CC	TT	1940366689
SNP_P1_117803_41135169	NC_021165.1	Ca_kabuli_chr06	41135169	GG	TT	1940366691
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SNP_P1_117807_41142146	NC_021165.1	Ca_kabuli_chr06	41142146	CC	GG	1940366696
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SNP_P1_117810_41159900	NC_021165.1	Ca_kabuli_chr06	41159900	GG	AA	1940366702
SNP_P1_117811_41159913	NC_021165.1	Ca_kabuli_chr06	41159913	GG	AA	1940366703
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SNP_P1_117813_41159928	NC_021165.1	Ca_kabuli_chr06	41159928	TT	CC	1940366707
SNP_P1_117814_41160108	NC_021165.1	Ca_kabuli_chr06	41160108	CC	TT	1940366709
SNP_P1_117815_41165468	NC_021165.1	Ca_kabuli_chr06	41165468	CC	TT	1940366710
SNP_P1_117816_41179833	NC_021165.1	Ca_kabuli_chr06	41179833	GG	AA	1940366712
SNP_P1_117817_41179906	NC_021165.1	Ca_kabuli_chr06	41179906	CC	AA	1940366714
SNP_P1_117818_41180127	NC_021165.1	Ca_kabuli_chr06	41180127	AA	TT	1940366716
SNP_P1_117819_41180141	NC_021165.1	Ca_kabuli_chr06	41180141	AA	TT	1940366718
SNP_P1_117820_41180142	NC_021165.1	Ca_kabuli_chr06	41180142	GG	TT	1940366719
SNP_P1_117821_41180155	NC_021165.1	Ca_kabuli_chr06	41180155	AA	TT	1940366721
SNP_P1_117822_41180172	NC_021165.1	Ca_kabuli_chr06	41180172	TT	AA	1940366723
SNP_P1_117823_41180207	NC_021165.1	Ca_kabuli_chr06	41180207	AA	TT	1940366725
SNP_P1_117825_41203512	NC_021165.1	Ca_kabuli_chr06	41203512	AA	TT	1940366726
SNP_P1_117826_41230156	NC_021165.1	Ca_kabuli_chr06	41230156	CC	TT	1940366728
SNP_P1_117827_41230463	NC_021165.1	Ca_kabuli_chr06	41230463	AA	GG	1940366730
SNP_P1_117828_41230486	NC_021165.1	Ca_kabuli_chr06	41230486	GG	TT	1940366732

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117830_41230510	NC_021165.1	Ca_kabuli_chr06	41230510	TT	CC	1940366735
SNP_P1_117831_41230895	NC_021165.1	Ca_kabuli_chr06	41230895	AA	TT	1940366737
SNP_P1_117832_41239681	NC_021165.1	Ca_kabuli_chr06	41239681	CC	TT	1940366739
SNP_P1_117833_41258689	NC_021165.1	Ca_kabuli_chr06	41258689	TT	CC	1940366740
SNP_P1_117834_41258690	NC_021165.1	Ca_kabuli_chr06	41258690	AA	GG	1940366742
SNP_P1_117835_41258705	NC_021165.1	Ca_kabuli_chr06	41258705	CC	AA	1940366744
SNP_P1_117837_41269834	NC_021165.1	Ca_kabuli_chr06	41269834	TT	CC	1940366746
SNP_P1_117838_41286099	NC_021165.1	Ca_kabuli_chr06	41286099	TT	CC	1940366748
SNP_P1_117839_41315378	NC_021165.1	Ca_kabuli_chr06	41315378	GG	AA	1940366749
SNP_P1_117840_41315382	NC_021165.1	Ca_kabuli_chr06	41315382	TT	AA	1940366751
SNP_P1_117841_41315386	NC_021165.1	Ca_kabuli_chr06	41315386	CC	AA	1940366753
SNP_P1_117842_41320070	NC_021165.1	Ca_kabuli_chr06	41320070	AA	GG	1940366755
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SNP_P1_117844_41320412	NC_021165.1	Ca_kabuli_chr06	41320412	TT	AA	1940366758
SNP_P1_117845_41320417	NC_021165.1	Ca_kabuli_chr06	41320417	AA	GG	1940366760
SNP_P1_117846_41320449	NC_021165.1	Ca_kabuli_chr06	41320449	CC	AA	1940366762
SNP_P1_117847_41320466	NC_021165.1	Ca_kabuli_chr06	41320466	AA	CC	1940366763
SNP_P1_117848_41320834	NC_021165.1	Ca_kabuli_chr06	41320834	TT	AA	1940366765
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SNP_P1_117850_41322820	NC_021165.1	Ca_kabuli_chr06	41322820	TT	AA	1940366769
SNP_P1_117851_41322822	NC_021165.1	Ca_kabuli_chr06	41322822	CC	GG	1940366770
SNP_P1_117852_41322858	NC_021165.1	Ca_kabuli_chr06	41322858	AA	GG	1940366772
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SNP_P1_117857_41393889	NC_021165.1	Ca_kabuli_chr06	41393889	TT	AA	1940366781
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SNP_P1_117860_41437714	NC_021165.1	Ca_kabuli_chr06	41437714	CC	TT	1940366784
SNP_P1_117861_41454537	NC_021165.1	Ca_kabuli_chr06	41454537	CC	TT	1940366786
SNP_P1_117862_41464139	NC_021165.1	Ca_kabuli_chr06	41464139	TT	CC	1940366788
SNP_P1_117863_41464177	NC_021165.1	Ca_kabuli_chr06	41464177	AA	GG	1940366790
SNP_P1_117864_41464256	NC_021165.1	Ca_kabuli_chr06	41464256	AA	GG	1940366791
SNP_P1_117866_41464303	NC_021165.1	Ca_kabuli_chr06	41464303	TT	CC	1940366793
SNP_P1_117868_41464335	NC_021165.1	Ca_kabuli_chr06	41464335	CC	TT	1940366795
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SNP_P1_117870_41464372	NC_021165.1	Ca_kabuli_chr06	41464372	TT	CC	1940366798
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SNP_P1_117872_41465919	NC_021165.1	Ca_kabuli_chr06	41465919	CC	AA	1940366802
SNP_P1_117873_41488032	NC_021165.1	Ca_kabuli_chr06	41488032	AA	TT	1940366804
SNP_P1_117875_41488711	NC_021165.1	Ca_kabuli_chr06	41488711	AA	TT	1940366805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117881_41573697	NC_021165.1	Ca_kabuli_chr06	41573697	GG	TT	1940366811
SNP_P1_117882_41573699	NC_021165.1	Ca_kabuli_chr06	41573699	AA	GG	1940366812
SNP_P1_117883_41573792	NC_021165.1	Ca_kabuli_chr06	41573792	GG	AA	1940366814
SNP_P1_117884_41573798	NC_021165.1	Ca_kabuli_chr06	41573798	AA	GG	1940366816
SNP_P1_117885_41573808	NC_021165.1	Ca_kabuli_chr06	41573808	AA	TT	1940366818
SNP_P1_117886_41574151	NC_021165.1	Ca_kabuli_chr06	41574151	AA	GG	1940366819
SNP_P1_117887_41574185	NC_021165.1	Ca_kabuli_chr06	41574185	TT	AA	1940366821
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SNP_P1_117891_41574457	NC_021165.1	Ca_kabuli_chr06	41574457	TT	CC	1940366825
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SNP_P1_117893_41574596	NC_021165.1	Ca_kabuli_chr06	41574596	TT	CC	1940366828
SNP_P1_117895_41589713	NC_021165.1	Ca_kabuli_chr06	41589713	TT	AA	1940366830
SNP_P1_117896_41602191	NC_021165.1	Ca_kabuli_chr06	41602191	GG	TT	1940366832
SNP_P1_117897_41603643	NC_021165.1	Ca_kabuli_chr06	41603643	GG	AA	1940366833
SNP_P1_117898_41603679	NC_021165.1	Ca_kabuli_chr06	41603679	AA	GG	1940366835
SNP_P1_117899_41603680	NC_021165.1	Ca_kabuli_chr06	41603680	AA	GG	1940366837
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SNP_P1_117904_41617102	NC_021165.1	Ca_kabuli_chr06	41617102	GG	TT	1940366844
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SNP_P1_117911_41654050	NC_021165.1	Ca_kabuli_chr06	41654050	CC	TT	1940366856
SNP_P1_117912_41654361	NC_021165.1	Ca_kabuli_chr06	41654361	AA	GG	1940366858
SNP_P1_117914_41654678	NC_021165.1	Ca_kabuli_chr06	41654678	TT	AA	1940366860
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SNP_P1_117916_41654781	NC_021165.1	Ca_kabuli_chr06	41654781	AA	GG	1940366863
SNP_P1_117917_41654894	NC_021165.1	Ca_kabuli_chr06	41654894	CC	TT	1940366865
SNP_P1_117918_41654972	NC_021165.1	Ca_kabuli_chr06	41654972	CC	TT	1940366867
SNP_P1_117919_41655144	NC_021165.1	Ca_kabuli_chr06	41655144	CC	AA	1940366869
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SNP_P1_117921_41656240	NC_021165.1	Ca_kabuli_chr06	41656240	CC	TT	1940366872
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SNP_P1_117924_41658962	NC_021165.1	Ca_kabuli_chr06	41658962	AA	CC	1940366877
SNP_P1_117925_41659251	NC_021165.1	Ca_kabuli_chr06	41659251	GG	AA	1940366879

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_117928_41659773	NC_021165.1	Ca_kabuli_chr06	41659773	AA	GG	1940366883
SNP_P1_117929_41660675	NC_021165.1	Ca_kabuli_chr06	41660675	GG	AA	1940366884
SNP_P1_117930_41660679	NC_021165.1	Ca_kabuli_chr06	41660679	AA	TT	1940366886
SNP_P1_117931_41660936	NC_021165.1	Ca_kabuli_chr06	41660936	CC	TT	1940366888
SNP_P1_117932_41661628	NC_021165.1	Ca_kabuli_chr06	41661628	GG	TT	1940366890
SNP_P1_117933_41661653	NC_021165.1	Ca_kabuli_chr06	41661653	CC	TT	1940366892
SNP_P1_117935_41674184	NC_021165.1	Ca_kabuli_chr06	41674184	AA	GG	1940366893
SNP_P1_117936_41674185	NC_021165.1	Ca_kabuli_chr06	41674185	TT	AA	1940366895
SNP_P1_117937_41679712	NC_021165.1	Ca_kabuli_chr06	41679712	CC	TT	1940366897
SNP_P1_117938_41681179	NC_021165.1	Ca_kabuli_chr06	41681179	TT	AA	1940366899
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SNP_P1_117941_41681341	NC_021165.1	Ca_kabuli_chr06	41681341	CC	TT	1940366904
SNP_P1_117942_41681360	NC_021165.1	Ca_kabuli_chr06	41681360	TT	CC	1940366906
SNP_P1_117943_41682172	NC_021165.1	Ca_kabuli_chr06	41682172	TT	CC	1940366907
SNP_P1_117944_41693501	NC_021165.1	Ca_kabuli_chr06	41693501	AA	GG	1940366909
SNP_P1_117945_41693514	NC_021165.1	Ca_kabuli_chr06	41693514	CC	GG	1940366911
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SNP_P1_117948_41706435	NC_021165.1	Ca_kabuli_chr06	41706435	AA	TT	1940366914
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SNP_P1_117950_41706640	NC_021165.1	Ca_kabuli_chr06	41706640	TT	AA	1940366918
SNP_P1_117951_41708009	NC_021165.1	Ca_kabuli_chr06	41708009	CC	TT	1940366920
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SNP_P1_117957_41743388	NC_021165.1	Ca_kabuli_chr06	41743388	AA	GG	1940366928
SNP_P1_117958_41743574	NC_021165.1	Ca_kabuli_chr06	41743574	TT	CC	1940366930
SNP_P1_117959_41743678	NC_021165.1	Ca_kabuli_chr06	41743678	AA	CC	1940366932
SNP_P1_117960_41743714	NC_021165.1	Ca_kabuli_chr06	41743714	CC	TT	1940366934
SNP_P1_117961_41743723	NC_021165.1	Ca_kabuli_chr06	41743723	AA	GG	1940366936
SNP_P1_117962_41743744	NC_021165.1	Ca_kabuli_chr06	41743744	TT	CC	1940366937
SNP_P1_117963_41743815	NC_021165.1	Ca_kabuli_chr06	41743815	GG	AA	1940366939
SNP_P1_117964_41743817	NC_021165.1	Ca_kabuli_chr06	41743817	TT	AA	1940366941
SNP_P1_117965_41753484	NC_021165.1	Ca_kabuli_chr06	41753484	AA	TT	1940366943
SNP_P1_117966_41763402	NC_021165.1	Ca_kabuli_chr06	41763402	CC	TT	1940366944
SNP_P1_117967_41770678	NC_021165.1	Ca_kabuli_chr06	41770678	GG	CC	1940366946
SNP_P1_117968_41772237	NC_021165.1	Ca_kabuli_chr06	41772237	CC	GG	1940366948
SNP_P1_117969_41777117	NC_021165.1	Ca_kabuli_chr06	41777117	GG	TT	1940366950
SNP_P1_117970_41778935	NC_021165.1	Ca_kabuli_chr06	41778935	CC	AA	1940366951
SNP_P1_117971_41781193	NC_021165.1	Ca_kabuli_chr06	41781193	AA	CC	1940366953

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_117972_41787539	NC_021165.1	Ca_kabuli_chr06	41787539	CC	TT	1940366955
SNP_P1_117973_41803705	NC_021165.1	Ca_kabuli_chr06	41803705	TT	AA	1940366957
SNP_P1_117976_41828396	NC_021165.1	Ca_kabuli_chr06	41828396	AA	GG	1940366958
SNP_P1_117978_41836402	NC_021165.1	Ca_kabuli_chr06	41836402	TT	AA	1940366960
SNP_P1_117979_41856348	NC_021165.1	Ca_kabuli_chr06	41856348	CC	TT	1940366962
SNP_P1_117980_41856350	NC_021165.1	Ca_kabuli_chr06	41856350	AA	TT	1940366964
SNP_P1_117981_41856360	NC_021165.1	Ca_kabuli_chr06	41856360	AA	TT	1940366965
SNP_P1_117982_41856366	NC_021165.1	Ca_kabuli_chr06	41856366	TT	AA	1940366967
SNP_P1_117983_41856421	NC_021165.1	Ca_kabuli_chr06	41856421	CC	TT	1940366969
SNP_P1_117984_41856465	NC_021165.1	Ca_kabuli_chr06	41856465	AA	GG	1940366971
SNP_P1_117985_41856494	NC_021165.1	Ca_kabuli_chr06	41856494	AA	GG	1940366972
SNP_P1_117986_41856698	NC_021165.1	Ca_kabuli_chr06	41856698	TT	CC	1940366974
SNP_P1_117987_41856887	NC_021165.1	Ca_kabuli_chr06	41856887	AA	TT	1940366976
SNP_P1_117988_41856895	NC_021165.1	Ca_kabuli_chr06	41856895	TT	CC	1940366978
SNP_P1_117989_41856911	NC_021165.1	Ca_kabuli_chr06	41856911	GG	AA	1940366979
SNP_P1_117990_41860519	NC_021165.1	Ca_kabuli_chr06	41860519	TT	CC	1940366981
SNP_P1_117991_41863311	NC_021165.1	Ca_kabuli_chr06	41863311	AA	CC	1940366983
SNP_P1_117992_41864726	NC_021165.1	Ca_kabuli_chr06	41864726	GG	AA	1940366985
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SNP_P1_117994_41873271	NC_021165.1	Ca_kabuli_chr06	41873271	CC	TT	1940366988
SNP_P1_117995_41873990	NC_021165.1	Ca_kabuli_chr06	41873990	TT	AA	1940366990
SNP_P1_117996_41874497	NC_021165.1	Ca_kabuli_chr06	41874497	AA	GG	1940366992
SNP_P1_117997_41874509	NC_021165.1	Ca_kabuli_chr06	41874509	TT	GG	1940366993
SNP_P1_117999_41888587	NC_021165.1	Ca_kabuli_chr06	41888587	GG	CC	1940366995
SNP_P1_118001_41895510	NC_021165.1	Ca_kabuli_chr06	41895510	GG	TT	1940366997
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SNP_P1_118005_41919572	NC_021165.1	Ca_kabuli_chr06	41919572	TT	CC	1940367000
SNP_P1_118006_41921057	NC_021165.1	Ca_kabuli_chr06	41921057	GG	AA	1940367002
SNP_P1_118007_41948399	NC_021165.1	Ca_kabuli_chr06	41948399	GG	CC	1940367004
SNP_P1_118011_41970025	NC_021165.1	Ca_kabuli_chr06	41970025	AA	GG	1940367006
SNP_P1_118013_42016661	NC_021165.1	Ca_kabuli_chr06	42016661	TT	CC	1940367007
SNP_P1_118014_42016665	NC_021165.1	Ca_kabuli_chr06	42016665	TT	CC	1940367009
SNP_P1_118015_42016667	NC_021165.1	Ca_kabuli_chr06	42016667	AA	CC	1940367011
SNP_P1_118016_42016669	NC_021165.1	Ca_kabuli_chr06	42016669	CC	AA	1940367013
SNP_P1_118017_42017447	NC_021165.1	Ca_kabuli_chr06	42017447	CC	TT	1940367014
SNP_P1_118018_42017869	NC_021165.1	Ca_kabuli_chr06	42017869	GG	AA	1940367016
SNP_P1_118019_42020022	NC_021165.1	Ca_kabuli_chr06	42020022	TT	AA	1940367018
SNP_P1_118020_42020083	NC_021165.1	Ca_kabuli_chr06	42020083	CC	TT	1940367020
SNP_P1_118021_42020091	NC_021165.1	Ca_kabuli_chr06	42020091	AA	GG	1940367021
SNP_P1_118022_42020463	NC_021165.1	Ca_kabuli_chr06	42020463	AA	GG	1940367023
SNP_P1_118023_42020494	NC_021165.1	Ca_kabuli_chr06	42020494	CC	GG	1940367025
SNP_P1_118024_42020503	NC_021165.1	Ca_kabuli_chr06	42020503	TT	GG	1940367027

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118027_42032525	NC_021165.1	Ca_kabuli_chr06	42032525	GG	CC	1940367030
SNP_P1_118028_42032535	NC_021165.1	Ca_kabuli_chr06	42032535	GG	AA	1940367032
SNP_P1_118029_42072154	NC_021165.1	Ca_kabuli_chr06	42072154	TT	GG	1940367034
SNP_P1_118030_42072158	NC_021165.1	Ca_kabuli_chr06	42072158	TT	CC	1940367035
SNP_P1_118031_42079808	NC_021165.1	Ca_kabuli_chr06	42079808	CC	GG	1940367037
SNP_P1_118032_42086763	NC_021165.1	Ca_kabuli_chr06	42086763	CC	AA	1940367039
SNP_P1_118033_42087237	NC_021165.1	Ca_kabuli_chr06	42087237	AA	GG	1940367041
SNP_P1_118034_42095024	NC_021165.1	Ca_kabuli_chr06	42095024	GG	TT	1940367043
SNP_P1_118035_42101060	NC_021165.1	Ca_kabuli_chr06	42101060	TT	CC	1940367044
SNP_P1_118036_42109014	NC_021165.1	Ca_kabuli_chr06	42109014	TT	CC	1940367046
SNP_P1_118037_42109015	NC_021165.1	Ca_kabuli_chr06	42109015	GG	AA	1940367048
SNP_P1_118038_42109027	NC_021165.1	Ca_kabuli_chr06	42109027	CC	AA	1940367050
SNP_P1_118039_42142349	NC_021165.1	Ca_kabuli_chr06	42142349	CC	TT	1940367051
SNP_P1_118040_42146136	NC_021165.1	Ca_kabuli_chr06	42146136	TT	CC	1940367053
SNP_P1_118041_42172933	NC_021165.1	Ca_kabuli_chr06	42172933	AA	GG	1940367055
SNP_P1_118042_42173614	NC_021165.1	Ca_kabuli_chr06	42173614	CC	TT	1940367057
SNP_P1_118043_42190782	NC_021165.1	Ca_kabuli_chr06	42190782	AA	GG	1940367058
SNP_P1_118044_42208439	NC_021165.1	Ca_kabuli_chr06	42208439	CC	TT	1940367060
SNP_P1_118045_42208659	NC_021165.1	Ca_kabuli_chr06	42208659	AA	GG	1940367062
SNP_P1_118046_42208667	NC_021165.1	Ca_kabuli_chr06	42208667	CC	TT	1940367064
SNP_P1_118047_42208684	NC_021165.1	Ca_kabuli_chr06	42208684	GG	AA	1940367065
SNP_P1_118048_42208688	NC_021165.1	Ca_kabuli_chr06	42208688	GG	AA	1940367067
SNP_P1_118049_42208691	NC_021165.1	Ca_kabuli_chr06	42208691	TT	CC	1940367069
SNP_P1_118050_42208694	NC_021165.1	Ca_kabuli_chr06	42208694	AA	CC	1940367071
SNP_P1_118051_42208712	NC_021165.1	Ca_kabuli_chr06	42208712	GG	AA	1940367072
SNP_P1_118052_42208739	NC_021165.1	Ca_kabuli_chr06	42208739	AA	GG	1940367074
SNP_P1_118053_42208775	NC_021165.1	Ca_kabuli_chr06	42208775	CC	TT	1940367076
SNP_P1_118054_42218384	NC_021165.1	Ca_kabuli_chr06	42218384	TT	CC	1940367078
SNP_P1_118055_42237523	NC_021165.1	Ca_kabuli_chr06	42237523	CC	TT	1940367079
SNP_P1_118056_42237539	NC_021165.1	Ca_kabuli_chr06	42237539	AA	CC	1940367081
SNP_P1_118057_42237603	NC_021165.1	Ca_kabuli_chr06	42237603	AA	GG	1940367083
SNP_P1_118058_42267529	NC_021165.1	Ca_kabuli_chr06	42267529	AA	GG	1940367085
SNP_P1_118059_42268406	NC_021165.1	Ca_kabuli_chr06	42268406	GG	AA	1940367086
SNP_P1_118060_42278162	NC_021165.1	Ca_kabuli_chr06	42278162	AA	CC	1940367088
SNP_P1_118061_42302171	NC_021165.1	Ca_kabuli_chr06	42302171	CC	TT	1940367090
SNP_P1_118064_42342719	NC_021165.1	Ca_kabuli_chr06	42342719	GG	TT	1940367092
SNP_P1_118065_42355522	NC_021165.1	Ca_kabuli_chr06	42355522	AA	GG	1940367093
SNP_P1_118066_42360126	NC_021165.1	Ca_kabuli_chr06	42360126	TT	GG	1940367095
SNP_P1_118068_42360316	NC_021165.1	Ca_kabuli_chr06	42360316	GG	AA	1940367097
SNP_P1_118070_42365667	NC_021165.1	Ca_kabuli_chr06	42365667	AA	GG	1940367099
SNP_P1_118072_42391846	NC_021165.1	Ca_kabuli_chr06	42391846	GG	AA	1940367100

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118074_42391862	NC_021165.1	Ca_kabuli_chr06	42391862	GG	TT	1940367104
SNP_P1_118075_42392289	NC_021165.1	Ca_kabuli_chr06	42392289	TT	AA	1940367106
SNP_P1_118077_42396672	NC_021165.1	Ca_kabuli_chr06	42396672	GG	AA	1940367107
SNP_P1_118078_42396734	NC_021165.1	Ca_kabuli_chr06	42396734	TT	GG	1940367109
SNP_P1_118079_42396782	NC_021165.1	Ca_kabuli_chr06	42396782	TT	AA	1940367111
SNP_P1_118080_42397053	NC_021165.1	Ca_kabuli_chr06	42397053	TT	AA	1940367113
SNP_P1_118081_42397080	NC_021165.1	Ca_kabuli_chr06	42397080	TT	AA	1940367115
SNP_P1_118082_42397126	NC_021165.1	Ca_kabuli_chr06	42397126	TT	GG	1940367116
SNP_P1_118083_42397157	NC_021165.1	Ca_kabuli_chr06	42397157	CC	AA	1940367118
SNP_P1_118084_42397203	NC_021165.1	Ca_kabuli_chr06	42397203	AA	TT	1940367120
SNP_P1_118085_42397206	NC_021165.1	Ca_kabuli_chr06	42397206	CC	TT	1940367122
SNP_P1_118086_42397299	NC_021165.1	Ca_kabuli_chr06	42397299	TT	CC	1940367123
SNP_P1_118087_42398670	NC_021165.1	Ca_kabuli_chr06	42398670	AA	TT	1940367125
SNP_P1_118089_42398689	NC_021165.1	Ca_kabuli_chr06	42398689	CC	TT	1940367127
SNP_P1_118090_42398690	NC_021165.1	Ca_kabuli_chr06	42398690	AA	GG	1940367129
SNP_P1_118091_42402390	NC_021165.1	Ca_kabuli_chr06	42402390	AA	CC	1940367130
SNP_P1_118092_42402823	NC_021165.1	Ca_kabuli_chr06	42402823	CC	TT	1940367132
SNP_P1_118093_42405600	NC_021165.1	Ca_kabuli_chr06	42405600	CC	AA	1940367134
SNP_P1_118094_42424290	NC_021165.1	Ca_kabuli_chr06	42424290	AA	GG	1940367136
SNP_P1_118095_42434690	NC_021165.1	Ca_kabuli_chr06	42434690	TT	GG	1940367137
SNP_P1_118096_42436257	NC_021165.1	Ca_kabuli_chr06	42436257	CC	AA	1940367139
SNP_P1_118097_42436320	NC_021165.1	Ca_kabuli_chr06	42436320	AA	GG	1940367141
SNP_P1_118098_42437451	NC_021165.1	Ca_kabuli_chr06	42437451	TT	CC	1940367143
SNP_P1_118099_42445854	NC_021165.1	Ca_kabuli_chr06	42445854	TT	GG	1940367144
SNP_P1_118100_42456767	NC_021165.1	Ca_kabuli_chr06	42456767	TT	CC	1940367146
SNP_P1_118102_42461278	NC_021165.1	Ca_kabuli_chr06	42461278	AA	GG	1940367148
SNP_P1_118103_42464604	NC_021165.1	Ca_kabuli_chr06	42464604	CC	TT	1940367150
SNP_P1_118104_42464623	NC_021165.1	Ca_kabuli_chr06	42464623	AA	TT	1940367151
SNP_P1_118105_42464626	NC_021165.1	Ca_kabuli_chr06	42464626	CC	TT	1940367153
SNP_P1_118106_42464634	NC_021165.1	Ca_kabuli_chr06	42464634	CC	GG	1940367155
SNP_P1_118107_42464643	NC_021165.1	Ca_kabuli_chr06	42464643	AA	GG	1940367157
SNP_P1_118108_42464702	NC_021165.1	Ca_kabuli_chr06	42464702	AA	GG	1940367158
SNP_P1_118109_42464710	NC_021165.1	Ca_kabuli_chr06	42464710	GG	AA	1940367160
SNP_P1_118110_42464717	NC_021165.1	Ca_kabuli_chr06	42464717	GG	AA	1940367162
SNP_P1_118111_42464888	NC_021165.1	Ca_kabuli_chr06	42464888	GG	AA	1940367164
SNP_P1_118112_42464911	NC_021165.1	Ca_kabuli_chr06	42464911	TT	AA	1940367165
SNP_P1_118113_42464941	NC_021165.1	Ca_kabuli_chr06	42464941	AA	CC	1940367167
SNP_P1_118115_42465002	NC_021165.1	Ca_kabuli_chr06	42465002	AA	TT	1940367169
SNP_P1_118116_42470626	NC_021165.1	Ca_kabuli_chr06	42470626	AA	CC	1940367171
SNP_P1_118117_42473217	NC_021165.1	Ca_kabuli_chr06	42473217	AA	CC	1940367172
SNP_P1_118118_42473226	NC_021165.1	Ca_kabuli_chr06	42473226	CC	TT	1940367174

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118120_42473804	NC_021165.1	Ca_kabuli_chr06	42473804	GG	AA	1940367178
SNP_P1_118121_42473817	NC_021165.1	Ca_kabuli_chr06	42473817	CC	TT	1940367179
SNP_P1_118122_42473978	NC_021165.1	Ca_kabuli_chr06	42473978	GG	TT	1940367181
SNP_P1_118123_42474148	NC_021165.1	Ca_kabuli_chr06	42474148	AA	GG	1940367183
SNP_P1_118124_42474207	NC_021165.1	Ca_kabuli_chr06	42474207	CC	AA	1940367185
SNP_P1_118126_42476347	NC_021165.1	Ca_kabuli_chr06	42476347	AA	GG	1940367187
SNP_P1_118127_42478455	NC_021165.1	Ca_kabuli_chr06	42478455	TT	AA	1940367188
SNP_P1_118129_42481073	NC_021165.1	Ca_kabuli_chr06	42481073	CC	TT	1940367190
SNP_P1_118130_42481206	NC_021165.1	Ca_kabuli_chr06	42481206	TT	CC	1940367192
SNP_P1_118131_42482637	NC_021165.1	Ca_kabuli_chr06	42482637	AA	CC	1940367194
SNP_P1_118132_42535300	NC_021165.1	Ca_kabuli_chr06	42535300	AA	TT	1940367195
SNP_P1_118133_42555649	NC_021165.1	Ca_kabuli_chr06	42555649	CC	TT	1940367197
SNP_P1_118134_42591040	NC_021165.1	Ca_kabuli_chr06	42591040	GG	TT	1940367199
SNP_P1_118135_42591041	NC_021165.1	Ca_kabuli_chr06	42591041	AA	GG	1940367201
SNP_P1_118136_42591105	NC_021165.1	Ca_kabuli_chr06	42591105	CC	TT	1940367202
SNP_P1_118137_42591122	NC_021165.1	Ca_kabuli_chr06	42591122	TT	GG	1940367204
SNP_P1_118138_42599643	NC_021165.1	Ca_kabuli_chr06	42599643	GG	AA	1940367206
SNP_P1_118139_42600037	NC_021165.1	Ca_kabuli_chr06	42600037	TT	CC	1940367208
SNP_P1_118140_42601551	NC_021165.1	Ca_kabuli_chr06	42601551	TT	CC	1940367209
SNP_P1_118141_42602042	NC_021165.1	Ca_kabuli_chr06	42602042	GG	TT	1940367211
SNP_P1_118142_42610824	NC_021165.1	Ca_kabuli_chr06	42610824	TT	CC	1940367213
SNP_P1_118143_42618900	NC_021165.1	Ca_kabuli_chr06	42618900	AA	GG	1940367215
SNP_P1_118144_42619126	NC_021165.1	Ca_kabuli_chr06	42619126	TT	GG	1940367216
SNP_P1_118145_42619166	NC_021165.1	Ca_kabuli_chr06	42619166	GG	AA	1940367218
SNP_P1_118146_42619172	NC_021165.1	Ca_kabuli_chr06	42619172	GG	AA	1940367220
SNP_P1_118147_42619212	NC_021165.1	Ca_kabuli_chr06	42619212	TT	CC	1940367222
SNP_P1_118148_42625098	NC_021165.1	Ca_kabuli_chr06	42625098	CC	TT	1940367223
SNP_P1_118149_42625135	NC_021165.1	Ca_kabuli_chr06	42625135	GG	TT	1940367225
SNP_P1_118150_42625154	NC_021165.1	Ca_kabuli_chr06	42625154	GG	CC	1940367227
SNP_P1_118151_42625250	NC_021165.1	Ca_kabuli_chr06	42625250	CC	TT	1940367229
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SNP_P1_118153_42625330	NC_021165.1	Ca_kabuli_chr06	42625330	TT	GG	1940367232
SNP_P1_118154_42625493	NC_021165.1	Ca_kabuli_chr06	42625493	TT	CC	1940367234
SNP_P1_118155_42625501	NC_021165.1	Ca_kabuli_chr06	42625501	AA	GG	1940367236
SNP_P1_118156_42625524	NC_021165.1	Ca_kabuli_chr06	42625524	GG	TT	1940367237
SNP_P1_118157_42627676	NC_021165.1	Ca_kabuli_chr06	42627676	GG	AA	1940367239
SNP_P1_118158_42641062	NC_021165.1	Ca_kabuli_chr06	42641062	AA	TT	1940367241
SNP_P1_118159_42642842	NC_021165.1	Ca_kabuli_chr06	42642842	TT	CC	1940367243
SNP_P1_118160_42643186	NC_021165.1	Ca_kabuli_chr06	42643186	TT	CC	1940367244
SNP_P1_118162_42657305	NC_021165.1	Ca_kabuli_chr06	42657305	CC	TT	1940367246
SNP_P1_118163_42658551	NC_021165.1	Ca_kabuli_chr06	42658551	AA	GG	1940367248

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118166_42672504	NC_021165.1	Ca_kabuli_chr06	42672504	TT	AA	1940367253
SNP_P1_118167_42672505	NC_021165.1	Ca_kabuli_chr06	42672505	AA	TT	1940367255
SNP_P1_118168_42673995	NC_021165.1	Ca_kabuli_chr06	42673995	TT	AA	1940367257
SNP_P1_118169_42685673	NC_021165.1	Ca_kabuli_chr06	42685673	TT	AA	1940367258
SNP_P1_118170_42685677	NC_021165.1	Ca_kabuli_chr06	42685677	AA	GG	1940367260
SNP_P1_118172_42713113	NC_021165.1	Ca_kabuli_chr06	42713113	TT	GG	1940367262
SNP_P1_118173_42728818	NC_021165.1	Ca_kabuli_chr06	42728818	AA	TT	1940367264
SNP_P1_118174_42742815	NC_021165.1	Ca_kabuli_chr06	42742815	AA	GG	1940367265
SNP_P1_118175_42769388	NC_021165.1	Ca_kabuli_chr06	42769388	AA	GG	1940367267
SNP_P1_118176_42780000	NC_021165.1	Ca_kabuli_chr06	42780000	AA	GG	1940367269
SNP_P1_118177_42782371	NC_021165.1	Ca_kabuli_chr06	42782371	TT	CC	1940367271
SNP_P1_118178_42782848	NC_021165.1	Ca_kabuli_chr06	42782848	GG	AA	1940367272
SNP_P1_118179_42786580	NC_021165.1	Ca_kabuli_chr06	42786580	CC	TT	1940367274
SNP_P1_118180_42809377	NC_021165.1	Ca_kabuli_chr06	42809377	CC	AA	1940367276
SNP_P1_118181_42816634	NC_021165.1	Ca_kabuli_chr06	42816634	AA	TT	1940367278
SNP_P1_118182_42823592	NC_021165.1	Ca_kabuli_chr06	42823592	AA	GG	1940367279
SNP_P1_118183_42830392	NC_021165.1	Ca_kabuli_chr06	42830392	AA	GG	1940367281
SNP_P1_118184_42859737	NC_021165.1	Ca_kabuli_chr06	42859737	GG	AA	1940367283
SNP_P1_118185_42859876	NC_021165.1	Ca_kabuli_chr06	42859876	AA	TT	1940367285
SNP_P1_118186_42859900	NC_021165.1	Ca_kabuli_chr06	42859900	GG	CC	1940367286
SNP_P1_118187_42860181	NC_021165.1	Ca_kabuli_chr06	42860181	TT	CC	1940367288
SNP_P1_118188_42860183	NC_021165.1	Ca_kabuli_chr06	42860183	AA	TT	1940367290
SNP_P1_118189_42863694	NC_021165.1	Ca_kabuli_chr06	42863694	GG	TT	1940367292
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SNP_P1_118192_42869123	NC_021165.1	Ca_kabuli_chr06	42869123	AA	GG	1940367295
SNP_P1_118194_42881355	NC_021165.1	Ca_kabuli_chr06	42881355	GG	AA	1940367297
SNP_P1_118195_42896098	NC_021165.1	Ca_kabuli_chr06	42896098	GG	CC	1940367299
SNP_P1_118196_42896100	NC_021165.1	Ca_kabuli_chr06	42896100	GG	AA	1940367301
SNP_P1_118197_42896146	NC_021165.1	Ca_kabuli_chr06	42896146	CC	TT	1940367302
SNP_P1_118198_42896361	NC_021165.1	Ca_kabuli_chr06	42896361	GG	AA	1940367304
SNP_P1_118199_42896368	NC_021165.1	Ca_kabuli_chr06	42896368	CC	TT	1940367306
SNP_P1_118200_42896415	NC_021165.1	Ca_kabuli_chr06	42896415	TT	CC	1940367308
SNP_P1_118201_42896662	NC_021165.1	Ca_kabuli_chr06	42896662	TT	CC	1940367309
SNP_P1_118202_42896671	NC_021165.1	Ca_kabuli_chr06	42896671	TT	CC	1940367311
SNP_P1_118203_42896684	NC_021165.1	Ca_kabuli_chr06	42896684	GG	TT	1940367313
SNP_P1_118204_42896685	NC_021165.1	Ca_kabuli_chr06	42896685	GG	TT	1940367315
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SNP_P1_118208_42899556	NC_021165.1	Ca_kabuli_chr06	42899556	TT	AA	1940367320
SNP_P1_118209_42899588	NC_021165.1	Ca_kabuli_chr06	42899588	GG	AA	1940367322

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118213_42907378	NC_021165.1	Ca_kabuli_chr06	42907378	CC	AA	1940367327
SNP_P1_118215_42907478	NC_021165.1	Ca_kabuli_chr06	42907478	TT	CC	1940367329
SNP_P1_118216_42907497	NC_021165.1	Ca_kabuli_chr06	42907497	AA	GG	1940367330
SNP_P1_118217_42907512	NC_021165.1	Ca_kabuli_chr06	42907512	AA	GG	1940367332
SNP_P1_118218_42907521	NC_021165.1	Ca_kabuli_chr06	42907521	AA	GG	1940367334
SNP_P1_118220_42937431	NC_021165.1	Ca_kabuli_chr06	42937431	AA	TT	1940367336
SNP_P1_118221_42937531	NC_021165.1	Ca_kabuli_chr06	42937531	CC	TT	1940367337
SNP_P1_118222_42937542	NC_021165.1	Ca_kabuli_chr06	42937542	CC	AA	1940367339
SNP_P1_118223_42937544	NC_021165.1	Ca_kabuli_chr06	42937544	CC	TT	1940367341
SNP_P1_118224_42937631	NC_021165.1	Ca_kabuli_chr06	42937631	CC	TT	1940367343
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SNP_P1_118226_42939266	NC_021165.1	Ca_kabuli_chr06	42939266	TT	GG	1940367346
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SNP_P1_118236_42940501	NC_021165.1	Ca_kabuli_chr06	42940501	GG	AA	1940367364
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SNP_P1_118242_42946673	NC_021165.1	Ca_kabuli_chr06	42946673	TT	GG	1940367374
SNP_P1_118243_42946717	NC_021165.1	Ca_kabuli_chr06	42946717	CC	AA	1940367376
SNP_P1_118244_42980677	NC_021165.1	Ca_kabuli_chr06	42980677	CC	TT	1940367378
SNP_P1_118245_42984445	NC_021165.1	Ca_kabuli_chr06	42984445	TT	CC	1940367380
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SNP_P1_118247_42999797	NC_021165.1	Ca_kabuli_chr06	42999797	TT	GG	1940367383
SNP_P1_118248_42999809	NC_021165.1	Ca_kabuli_chr06	42999809	CC	TT	1940367385
SNP_P1_118249_43000181	NC_021165.1	Ca_kabuli_chr06	43000181	CC	TT	1940367387
SNP_P1_118250_43004393	NC_021165.1	Ca_kabuli_chr06	43004393	TT	AA	1940367388
SNP_P1_118251_43005044	NC_021165.1	Ca_kabuli_chr06	43005044	TT	CC	1940367390
SNP_P1_118252_43005050	NC_021165.1	Ca_kabuli_chr06	43005050	AA	TT	1940367392
SNP_P1_118253_43010896	NC_021165.1	Ca_kabuli_chr06	43010896	GG	AA	1940367394
SNP_P1_118254_43010930	NC_021165.1	Ca_kabuli_chr06	43010930	TT	AA	1940367395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118257_43011349	NC_021165.1	Ca_kabuli_chr06	43011349	GG	CC	1940367401
SNP_P1_118258_43011636	NC_021165.1	Ca_kabuli_chr06	43011636	AA	CC	1940367402
SNP_P1_118259_43012021	NC_021165.1	Ca_kabuli_chr06	43012021	AA	TT	1940367404
SNP_P1_118260_43012110	NC_021165.1	Ca_kabuli_chr06	43012110	AA	TT	1940367406
SNP_P1_118261_43012303	NC_021165.1	Ca_kabuli_chr06	43012303	TT	CC	1940367408
SNP_P1_118262_43017439	NC_021165.1	Ca_kabuli_chr06	43017439	GG	TT	1940367409
SNP_P1_118263_43017614	NC_021165.1	Ca_kabuli_chr06	43017614	AA	TT	1940367411
SNP_P1_118265_43017670	NC_021165.1	Ca_kabuli_chr06	43017670	AA	CC	1940367413
SNP_P1_118266_43017691	NC_021165.1	Ca_kabuli_chr06	43017691	TT	CC	1940367415
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SNP_P1_118269_43022037	NC_021165.1	Ca_kabuli_chr06	43022037	CC	TT	1940367420
SNP_P1_118270_43022097	NC_021165.1	Ca_kabuli_chr06	43022097	CC	GG	1940367422
SNP_P1_118271_43022404	NC_021165.1	Ca_kabuli_chr06	43022404	GG	AA	1940367423
SNP_P1_118272_43035227	NC_021165.1	Ca_kabuli_chr06	43035227	AA	TT	1940367425
SNP_P1_118273_43035248	NC_021165.1	Ca_kabuli_chr06	43035248	TT	AA	1940367427
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SNP_P1_118277_43042820	NC_021165.1	Ca_kabuli_chr06	43042820	GG	CC	1940367434
SNP_P1_118278_43043060	NC_021165.1	Ca_kabuli_chr06	43043060	AA	GG	1940367436
SNP_P1_118280_43043160	NC_021165.1	Ca_kabuli_chr06	43043160	AA	GG	1940367437
SNP_P1_118281_43043190	NC_021165.1	Ca_kabuli_chr06	43043190	GG	TT	1940367439
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SNP_P1_118285_43045723	NC_021165.1	Ca_kabuli_chr06	43045723	AA	CC	1940367446
SNP_P1_118286_43045785	NC_021165.1	Ca_kabuli_chr06	43045785	CC	TT	1940367448
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SNP_P1_118289_43045847	NC_021165.1	Ca_kabuli_chr06	43045847	AA	GG	1940367453
SNP_P1_118290_43045958	NC_021165.1	Ca_kabuli_chr06	43045958	TT	GG	1940367455
SNP_P1_118291_43045964	NC_021165.1	Ca_kabuli_chr06	43045964	TT	CC	1940367457
SNP_P1_118292_43045968	NC_021165.1	Ca_kabuli_chr06	43045968	CC	TT	1940367458
SNP_P1_118293_43045969	NC_021165.1	Ca_kabuli_chr06	43045969	TT	CC	1940367460
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SNP_P1_118296_43046391	NC_021165.1	Ca_kabuli_chr06	43046391	AA	GG	1940367464
SNP_P1_118297_43046399	NC_021165.1	Ca_kabuli_chr06	43046399	GG	TT	1940367465
SNP_P1_118298_43046416	NC_021165.1	Ca_kabuli_chr06	43046416	AA	TT	1940367467
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118302_43053048	NC_021165.1	Ca_kabuli_chr06	43053048	AA	GG	1940367474
SNP_P1_118303_43053166	NC_021165.1	Ca_kabuli_chr06	43053166	AA	GG	1940367476
SNP_P1_118304_43058419	NC_021165.1	Ca_kabuli_chr06	43058419	AA	TT	1940367478
SNP_P1_118305_43058897	NC_021165.1	Ca_kabuli_chr06	43058897	AA	GG	1940367480
SNP_P1_118306_43058922	NC_021165.1	Ca_kabuli_chr06	43058922	TT	AA	1940367481
SNP_P1_118307_43058932	NC_021165.1	Ca_kabuli_chr06	43058932	TT	GG	1940367483
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SNP_P1_118309_43058954	NC_021165.1	Ca_kabuli_chr06	43058954	AA	CC	1940367487
SNP_P1_118310_43059011	NC_021165.1	Ca_kabuli_chr06	43059011	AA	GG	1940367488
SNP_P1_118311_43059239	NC_021165.1	Ca_kabuli_chr06	43059239	TT	AA	1940367490
SNP_P1_118312_43059541	NC_021165.1	Ca_kabuli_chr06	43059541	TT	CC	1940367492
SNP_P1_118313_43059586	NC_021165.1	Ca_kabuli_chr06	43059586	CC	TT	1940367494
SNP_P1_118314_43059588	NC_021165.1	Ca_kabuli_chr06	43059588	AA	GG	1940367495
SNP_P1_118315_43059665	NC_021165.1	Ca_kabuli_chr06	43059665	CC	TT	1940367497
SNP_P1_118316_43059704	NC_021165.1	Ca_kabuli_chr06	43059704	TT	AA	1940367499
SNP_P1_118317_43059726	NC_021165.1	Ca_kabuli_chr06	43059726	AA	GG	1940367501
SNP_P1_118318_43059746	NC_021165.1	Ca_kabuli_chr06	43059746	TT	AA	1940367502
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SNP_P1_118327_43061666	NC_021165.1	Ca_kabuli_chr06	43061666	TT	AA	1940367518
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SNP_P1_118329_43062195	NC_021165.1	Ca_kabuli_chr06	43062195	TT	CC	1940367522
SNP_P1_118330_43062263	NC_021165.1	Ca_kabuli_chr06	43062263	GG	TT	1940367523
SNP_P1_118331_43063826	NC_021165.1	Ca_kabuli_chr06	43063826	TT	AA	1940367525
SNP_P1_118332_43064171	NC_021165.1	Ca_kabuli_chr06	43064171	AA	GG	1940367527
SNP_P1_118333_43064226	NC_021165.1	Ca_kabuli_chr06	43064226	CC	GG	1940367529
SNP_P1_118334_43064245	NC_021165.1	Ca_kabuli_chr06	43064245	TT	AA	1940367530
SNP_P1_118335_43064263	NC_021165.1	Ca_kabuli_chr06	43064263	GG	AA	1940367532
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SNP_P1_118340_43064401	NC_021165.1	Ca_kabuli_chr06	43064401	AA	TT	1940367539
SNP_P1_118341_43064513	NC_021165.1	Ca_kabuli_chr06	43064513	CC	AA	1940367541
SNP_P1_118342_43064525	NC_021165.1	Ca_kabuli_chr06	43064525	AA	CC	1940367543

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118345_43064640	NC_021165.1	Ca_kabuli_chr06	43064640	AA	TT	1940367548
SNP_P1_118346_43064657	NC_021165.1	Ca_kabuli_chr06	43064657	AA	GG	1940367550
SNP_P1_118347_43064666	NC_021165.1	Ca_kabuli_chr06	43064666	AA	GG	1940367552
SNP_P1_118348_43064675	NC_021165.1	Ca_kabuli_chr06	43064675	AA	TT	1940367553
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SNP_P1_118353_43070578	NC_021165.1	Ca_kabuli_chr06	43070578	TT	CC	1940367562
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SNP_P1_118355_43077738	NC_021165.1	Ca_kabuli_chr06	43077738	GG	AA	1940367566
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SNP_P1_118358_43101358	NC_021165.1	Ca_kabuli_chr06	43101358	CC	TT	1940367571
SNP_P1_118359_43101590	NC_021165.1	Ca_kabuli_chr06	43101590	TT	AA	1940367573
SNP_P1_118360_43101876	NC_021165.1	Ca_kabuli_chr06	43101876	CC	TT	1940367575
SNP_P1_118361_43113009	NC_021165.1	Ca_kabuli_chr06	43113009	GG	TT	1940367576
SNP_P1_118362_43114402	NC_021165.1	Ca_kabuli_chr06	43114402	GG	AA	1940367578
SNP_P1_118364_43138059	NC_021165.1	Ca_kabuli_chr06	43138059	AA	GG	1940367580
SNP_P1_118365_43138283	NC_021165.1	Ca_kabuli_chr06	43138283	GG	TT	1940367582
SNP_P1_118368_43144582	NC_021165.1	Ca_kabuli_chr06	43144582	CC	AA	1940367583
SNP_P1_118370_43153709	NC_021165.1	Ca_kabuli_chr06	43153709	CC	AA	1940367585
SNP_P1_118371_43153736	NC_021165.1	Ca_kabuli_chr06	43153736	TT	GG	1940367587
SNP_P1_118372_43153796	NC_021165.1	Ca_kabuli_chr06	43153796	GG	TT	1940367589
SNP_P1_118373_43154071	NC_021165.1	Ca_kabuli_chr06	43154071	TT	GG	1940367590
SNP_P1_118374_43154085	NC_021165.1	Ca_kabuli_chr06	43154085	AA	GG	1940367592
SNP_P1_118375_43154162	NC_021165.1	Ca_kabuli_chr06	43154162	CC	TT	1940367594
SNP_P1_118376_43154435	NC_021165.1	Ca_kabuli_chr06	43154435	CC	TT	1940367596
SNP_P1_118377_43165721	NC_021165.1	Ca_kabuli_chr06	43165721	AA	CC	1940367597
SNP_P1_118378_43165962	NC_021165.1	Ca_kabuli_chr06	43165962	AA	CC	1940367599
SNP_P1_118379_43166369	NC_021165.1	Ca_kabuli_chr06	43166369	CC	TT	1940367601
SNP_P1_118380_43166391	NC_021165.1	Ca_kabuli_chr06	43166391	AA	GG	1940367603
SNP_P1_118381_43166413	NC_021165.1	Ca_kabuli_chr06	43166413	AA	CC	1940367604
SNP_P1_118382_43166488	NC_021165.1	Ca_kabuli_chr06	43166488	TT	CC	1940367606
SNP_P1_118383_43166561	NC_021165.1	Ca_kabuli_chr06	43166561	CC	TT	1940367608
SNP_P1_118384_43166568	NC_021165.1	Ca_kabuli_chr06	43166568	TT	AA	1940367610
SNP_P1_118385_43166604	NC_021165.1	Ca_kabuli_chr06	43166604	AA	GG	1940367611
SNP_P1_118386_43166627	NC_021165.1	Ca_kabuli_chr06	43166627	TT	CC	1940367613
SNP_P1_118387_43166628	NC_021165.1	Ca_kabuli_chr06	43166628	AA	TT	1940367615
SNP_P1_118388_43166635	NC_021165.1	Ca_kabuli_chr06	43166635	AA	TT	1940367617

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118390_43166752	NC_021165.1	Ca_kabuli_chr06	43166752	TT	GG	1940367620
SNP_P1_118391_43166760	NC_021165.1	Ca_kabuli_chr06	43166760	CC	AA	1940367622
SNP_P1_118392_43166827	NC_021165.1	Ca_kabuli_chr06	43166827	GG	CC	1940367624
SNP_P1_118393_43167104	NC_021165.1	Ca_kabuli_chr06	43167104	AA	CC	1940367625
SNP_P1_118394_43167125	NC_021165.1	Ca_kabuli_chr06	43167125	AA	GG	1940367627
SNP_P1_118395_43167283	NC_021165.1	Ca_kabuli_chr06	43167283	TT	CC	1940367629
SNP_P1_118396_43167304	NC_021165.1	Ca_kabuli_chr06	43167304	CC	GG	1940367631
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SNP_P1_118398_43167504	NC_021165.1	Ca_kabuli_chr06	43167504	TT	CC	1940367634
SNP_P1_118399_43167534	NC_021165.1	Ca_kabuli_chr06	43167534	TT	GG	1940367636
SNP_P1_118400_43167552	NC_021165.1	Ca_kabuli_chr06	43167552	AA	TT	1940367638
SNP_P1_118401_43167591	NC_021165.1	Ca_kabuli_chr06	43167591	GG	TT	1940367639
SNP_P1_118402_43167625	NC_021165.1	Ca_kabuli_chr06	43167625	CC	GG	1940367641
SNP_P1_118403_43167631	NC_021165.1	Ca_kabuli_chr06	43167631	CC	GG	1940367643
SNP_P1_118404_43167635	NC_021165.1	Ca_kabuli_chr06	43167635	GG	TT	1940367645
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SNP_P1_118407_43167741	NC_021165.1	Ca_kabuli_chr06	43167741	TT	AA	1940367650
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SNP_P1_118410_43168716	NC_021165.1	Ca_kabuli_chr06	43168716	GG	CC	1940367655
SNP_P1_118411_43168762	NC_021165.1	Ca_kabuli_chr06	43168762	TT	CC	1940367657
SNP_P1_118412_43168763	NC_021165.1	Ca_kabuli_chr06	43168763	TT	AA	1940367659
SNP_P1_118413_43168806	NC_021165.1	Ca_kabuli_chr06	43168806	AA	TT	1940367661
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SNP_P1_118416_43168901	NC_021165.1	Ca_kabuli_chr06	43168901	AA	GG	1940367666
SNP_P1_118417_43168955	NC_021165.1	Ca_kabuli_chr06	43168955	CC	TT	1940367668
SNP_P1_118418_43168971	NC_021165.1	Ca_kabuli_chr06	43168971	TT	GG	1940367669
SNP_P1_118419_43168979	NC_021165.1	Ca_kabuli_chr06	43168979	AA	GG	1940367671
SNP_P1_118420_43169168	NC_021165.1	Ca_kabuli_chr06	43169168	CC	TT	1940367673
SNP_P1_118421_43169184	NC_021165.1	Ca_kabuli_chr06	43169184	TT	CC	1940367675
SNP_P1_118422_43169245	NC_021165.1	Ca_kabuli_chr06	43169245	AA	GG	1940367676
SNP_P1_118423_43169249	NC_021165.1	Ca_kabuli_chr06	43169249	GG	CC	1940367678
SNP_P1_118424_43169366	NC_021165.1	Ca_kabuli_chr06	43169366	AA	CC	1940367680
SNP_P1_118425_43169394	NC_021165.1	Ca_kabuli_chr06	43169394	TT	CC	1940367682
SNP_P1_118426_43169909	NC_021165.1	Ca_kabuli_chr06	43169909	GG	AA	1940367683
SNP_P1_118427_43176146	NC_021165.1	Ca_kabuli_chr06	43176146	TT	CC	1940367685
SNP_P1_118429_43176175	NC_021165.1	Ca_kabuli_chr06	43176175	GG	AA	1940367687
SNP_P1_118430_43176198	NC_021165.1	Ca_kabuli_chr06	43176198	GG	AA	1940367689
SNP_P1_118431_43176244	NC_021165.1	Ca_kabuli_chr06	43176244	GG	AA	1940367690

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118434_43178233	NC_021165.1	Ca_kabuli_chr06	43178233	GG	AA	1940367696
SNP_P1_118435_43178887	NC_021165.1	Ca_kabuli_chr06	43178887	TT	AA	1940367697
SNP_P1_118436_43179179	NC_021165.1	Ca_kabuli_chr06	43179179	AA	GG	1940367699
SNP_P1_118438_43659793	NC_021165.1	Ca_kabuli_chr06	43659793	TT	AA	1940367701
SNP_P1_118439_43659945	NC_021165.1	Ca_kabuli_chr06	43659945	TT	AA	1940367703
SNP_P1_118440_43673792	NC_021165.1	Ca_kabuli_chr06	43673792	CC	TT	1940367705
SNP_P1_118441_43683521	NC_021165.1	Ca_kabuli_chr06	43683521	CC	GG	1940367706
SNP_P1_118442_43707456	NC_021165.1	Ca_kabuli_chr06	43707456	TT	CC	1940367708
SNP_P1_118443_43707760	NC_021165.1	Ca_kabuli_chr06	43707760	TT	CC	1940367710
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SNP_P1_118445_43707827	NC_021165.1	Ca_kabuli_chr06	43707827	TT	CC	1940367713
SNP_P1_118446_43708077	NC_021165.1	Ca_kabuli_chr06	43708077	GG	AA	1940367715
SNP_P1_118447_43708141	NC_021165.1	Ca_kabuli_chr06	43708141	GG	AA	1940367717
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SNP_P1_118454_43770287	NC_021165.1	Ca_kabuli_chr06	43770287	AA	CC	1940367729
SNP_P1_118455_43770289	NC_021165.1	Ca_kabuli_chr06	43770289	GG	AA	1940367731
SNP_P1_118456_43770297	NC_021165.1	Ca_kabuli_chr06	43770297	TT	CC	1940367733
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SNP_P1_118460_43842615	NC_021165.1	Ca_kabuli_chr06	43842615	GG	CC	1940367738
SNP_P1_118461_43842916	NC_021165.1	Ca_kabuli_chr06	43842916	CC	TT	1940367740
SNP_P1_118462_43842960	NC_021165.1	Ca_kabuli_chr06	43842960	TT	CC	1940367741
SNP_P1_118464_43847768	NC_021165.1	Ca_kabuli_chr06	43847768	TT	AA	1940367743
SNP_P1_118465_43848716	NC_021165.1	Ca_kabuli_chr06	43848716	TT	GG	1940367745
SNP_P1_118466_43848789	NC_021165.1	Ca_kabuli_chr06	43848789	GG	CC	1940367747
SNP_P1_118467_43848791	NC_021165.1	Ca_kabuli_chr06	43848791	AA	GG	1940367748
SNP_P1_118468_43848830	NC_021165.1	Ca_kabuli_chr06	43848830	AA	TT	1940367750
SNP_P1_118469_43849088	NC_021165.1	Ca_kabuli_chr06	43849088	CC	TT	1940367752
SNP_P1_118470_43880875	NC_021165.1	Ca_kabuli_chr06	43880875	CC	TT	1940367754
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SNP_P1_118473_43881022	NC_021165.1	Ca_kabuli_chr06	43881022	AA	GG	1940367759
SNP_P1_118474_43885916	NC_021165.1	Ca_kabuli_chr06	43885916	TT	CC	1940367761
SNP_P1_118475_43889896	NC_021165.1	Ca_kabuli_chr06	43889896	TT	CC	1940367763
SNP_P1_118476_43889962	NC_021165.1	Ca_kabuli_chr06	43889962	GG	AA	1940367764

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118479_43890184	NC_021165.1	Ca_kabuli_chr06	43890184	AA	TT	1940367770
SNP_P1_118480_43890506	NC_021165.1	Ca_kabuli_chr06	43890506	GG	AA	1940367771
SNP_P1_118482_43909153	NC_021165.1	Ca_kabuli_chr06	43909153	TT	GG	1940367773
SNP_P1_118484_43909252	NC_021165.1	Ca_kabuli_chr06	43909252	GG	AA	1940367775
SNP_P1_118485_43909347	NC_021165.1	Ca_kabuli_chr06	43909347	TT	GG	1940367777
SNP_P1_118486_43909404	NC_021165.1	Ca_kabuli_chr06	43909404	AA	TT	1940367778
SNP_P1_118487_43909405	NC_021165.1	Ca_kabuli_chr06	43909405	AA	CC	1940367780
SNP_P1_118488_43909406	NC_021165.1	Ca_kabuli_chr06	43909406	CC	TT	1940367782
SNP_P1_118489_43909407	NC_021165.1	Ca_kabuli_chr06	43909407	TT	GG	1940367784
SNP_P1_118490_43909413	NC_021165.1	Ca_kabuli_chr06	43909413	GG	AA	1940367785
SNP_P1_118492_43909532	NC_021165.1	Ca_kabuli_chr06	43909532	TT	AA	1940367787
SNP_P1_118493_43909688	NC_021165.1	Ca_kabuli_chr06	43909688	AA	TT	1940367789
SNP_P1_118494_43909689	NC_021165.1	Ca_kabuli_chr06	43909689	GG	AA	1940367791
SNP_P1_118496_43920010	NC_021165.1	Ca_kabuli_chr06	43920010	GG	AA	1940367792
SNP_P1_118497_43920024	NC_021165.1	Ca_kabuli_chr06	43920024	CC	TT	1940367794
SNP_P1_118498_43920043	NC_021165.1	Ca_kabuli_chr06	43920043	GG	AA	1940367796
SNP_P1_118499_43920046	NC_021165.1	Ca_kabuli_chr06	43920046	TT	CC	1940367798
SNP_P1_118500_43920050	NC_021165.1	Ca_kabuli_chr06	43920050	AA	TT	1940367799
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SNP_P1_118513_44115919	NC_021165.1	Ca_kabuli_chr06	44115919	CC	TT	1940367815
SNP_P1_118514_44117407	NC_021165.1	Ca_kabuli_chr06	44117407	GG	AA	1940367817
SNP_P1_118515_44119232	NC_021165.1	Ca_kabuli_chr06	44119232	AA	GG	1940367819
SNP_P1_118516_44134388	NC_021165.1	Ca_kabuli_chr06	44134388	CC	GG	1940367821
SNP_P1_118518_44143518	NC_021165.1	Ca_kabuli_chr06	44143518	CC	TT	1940367822
SNP_P1_118519_44145639	NC_021165.1	Ca_kabuli_chr06	44145639	CC	TT	1940367824
SNP_P1_118520_44146504	NC_021165.1	Ca_kabuli_chr06	44146504	TT	CC	1940367826
SNP_P1_118521_44151760	NC_021165.1	Ca_kabuli_chr06	44151760	AA	TT	1940367828
SNP_P1_118522_44151877	NC_021165.1	Ca_kabuli_chr06	44151877	AA	GG	1940367829
SNP_P1_118523_44152054	NC_021165.1	Ca_kabuli_chr06	44152054	AA	GG	1940367831
SNP_P1_118524_44152087	NC_021165.1	Ca_kabuli_chr06	44152087	TT	AA	1940367833
SNP_P1_118525_44152088	NC_021165.1	Ca_kabuli_chr06	44152088	AA	GG	1940367835
SNP_P1_118526_44152115	NC_021165.1	Ca_kabuli_chr06	44152115	AA	GG	1940367836
SNP_P1_118527_44152202	NC_021165.1	Ca_kabuli_chr06	44152202	AA	CC	1940367838

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118530_44160522	NC_021165.1	Ca_kabuli_chr06	44160522	TT	CC	1940367843
SNP_P1_118531_44160570	NC_021165.1	Ca_kabuli_chr06	44160570	GG	AA	1940367845
SNP_P1_118532_44160702	NC_021165.1	Ca_kabuli_chr06	44160702	GG	AA	1940367847
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SNP_P1_118535_44160827	NC_021165.1	Ca_kabuli_chr06	44160827	TT	CC	1940367852
SNP_P1_118536_44160864	NC_021165.1	Ca_kabuli_chr06	44160864	TT	GG	1940367854
SNP_P1_118537_44160889	NC_021165.1	Ca_kabuli_chr06	44160889	AA	GG	1940367856
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SNP_P1_118539_44160983	NC_021165.1	Ca_kabuli_chr06	44160983	AA	GG	1940367859
SNP_P1_118540_44160993	NC_021165.1	Ca_kabuli_chr06	44160993	GG	AA	1940367861
SNP_P1_118541_44161040	NC_021165.1	Ca_kabuli_chr06	44161040	TT	AA	1940367863
SNP_P1_118542_44161042	NC_021165.1	Ca_kabuli_chr06	44161042	GG	CC	1940367865
SNP_P1_118543_44161326	NC_021165.1	Ca_kabuli_chr06	44161326	TT	CC	1940367866
SNP_P1_118544_44161338	NC_021165.1	Ca_kabuli_chr06	44161338	GG	CC	1940367868
SNP_P1_118545_44161340	NC_021165.1	Ca_kabuli_chr06	44161340	AA	TT	1940367870
SNP_P1_118546_44161355	NC_021165.1	Ca_kabuli_chr06	44161355	CC	AA	1940367872
SNP_P1_118547_44161369	NC_021165.1	Ca_kabuli_chr06	44161369	CC	TT	1940367873
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SNP_P1_118549_44180436	NC_021165.1	Ca_kabuli_chr06	44180436	AA	GG	1940367877
SNP_P1_118550_44200191	NC_021165.1	Ca_kabuli_chr06	44200191	GG	AA	1940367879
SNP_P1_118551_44214779	NC_021165.1	Ca_kabuli_chr06	44214779	AA	GG	1940367880
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SNP_P1_118553_44235850	NC_021165.1	Ca_kabuli_chr06	44235850	TT	CC	1940367884
SNP_P1_118555_44243344	NC_021165.1	Ca_kabuli_chr06	44243344	TT	GG	1940367886
SNP_P1_118557_44265437	NC_021165.1	Ca_kabuli_chr06	44265437	CC	AA	1940367887
SNP_P1_118558_44265449	NC_021165.1	Ca_kabuli_chr06	44265449	GG	AA	1940367889
SNP_P1_118559_44265487	NC_021165.1	Ca_kabuli_chr06	44265487	TT	CC	1940367891
SNP_P1_118561_44266628	NC_021165.1	Ca_kabuli_chr06	44266628	TT	GG	1940367893
SNP_P1_118562_44267664	NC_021165.1	Ca_kabuli_chr06	44267664	CC	TT	1940367894
SNP_P1_118563_44268985	NC_021165.1	Ca_kabuli_chr06	44268985	TT	AA	1940367896
SNP_P1_118564_44282189	NC_021165.1	Ca_kabuli_chr06	44282189	TT	CC	1940367898
SNP_P1_118566_44293735	NC_021165.1	Ca_kabuli_chr06	44293735	AA	GG	1940367900
SNP_P1_118567_44293796	NC_021165.1	Ca_kabuli_chr06	44293796	AA	GG	1940367901
SNP_P1_118568_44293974	NC_021165.1	Ca_kabuli_chr06	44293974	AA	GG	1940367903
SNP_P1_118569_44294199	NC_021165.1	Ca_kabuli_chr06	44294199	TT	CC	1940367905
SNP_P1_118570_44294269	NC_021165.1	Ca_kabuli_chr06	44294269	AA	GG	1940367907
SNP_P1_118571_44294318	NC_021165.1	Ca_kabuli_chr06	44294318	CC	TT	1940367908
SNP_P1_118572_44294329	NC_021165.1	Ca_kabuli_chr06	44294329	GG	AA	1940367910
SNP_P1_118573_44294338	NC_021165.1	Ca_kabuli_chr06	44294338	GG	AA	1940367912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_118574_44294342	NC_021165.1	Ca_kabuli_chr06	44294342	AA	GG	1940367914
SNP_P1_118575_44294349	NC_021165.1	Ca_kabuli_chr06	44294349	GG	CC	1940367916
SNP_P1_118576_44302036	NC_021165.1	Ca_kabuli_chr06	44302036	TT	CC	1940367917
SNP_P1_118577_44302075	NC_021165.1	Ca_kabuli_chr06	44302075	GG	AA	1940367919
SNP_P1_118578_44302091	NC_021165.1	Ca_kabuli_chr06	44302091	CC	TT	1940367921
SNP_P1_118579_44302114	NC_021165.1	Ca_kabuli_chr06	44302114	CC	GG	1940367923
SNP_P1_118580_44302176	NC_021165.1	Ca_kabuli_chr06	44302176	TT	GG	1940367924
SNP_P1_118581_44302462	NC_021165.1	Ca_kabuli_chr06	44302462	AA	CC	1940367926
SNP_P1_118582_44302506	NC_021165.1	Ca_kabuli_chr06	44302506	GG	AA	1940367928
SNP_P1_118583_44302518	NC_021165.1	Ca_kabuli_chr06	44302518	CC	TT	1940367930
SNP_P1_118584_44302575	NC_021165.1	Ca_kabuli_chr06	44302575	AA	TT	1940367931
SNP_P1_118585_44302576	NC_021165.1	Ca_kabuli_chr06	44302576	AA	GG	1940367933
SNP_P1_118586_44302578	NC_021165.1	Ca_kabuli_chr06	44302578	TT	AA	1940367935
SNP_P1_118587_44302654	NC_021165.1	Ca_kabuli_chr06	44302654	TT	GG	1940367937
SNP_P1_118588_44302659	NC_021165.1	Ca_kabuli_chr06	44302659	CC	TT	1940367938
SNP_P1_118589_44302663	NC_021165.1	Ca_kabuli_chr06	44302663	CC	AA	1940367940
SNP_P1_118590_44303247	NC_021165.1	Ca_kabuli_chr06	44303247	TT	CC	1940367942
SNP_P1_118591_44303279	NC_021165.1	Ca_kabuli_chr06	44303279	CC	TT	1940367944
SNP_P1_118592_44328971	NC_021165.1	Ca_kabuli_chr06	44328971	AA	GG	1940367945
SNP_P1_118593_44330792	NC_021165.1	Ca_kabuli_chr06	44330792	AA	TT	1940367947
SNP_P1_118594_44330800	NC_021165.1	Ca_kabuli_chr06	44330800	TT	GG	1940367949
SNP_P1_118595_44330802	NC_021165.1	Ca_kabuli_chr06	44330802	AA	GG	1940367951
SNP_P1_118596_44335700	NC_021165.1	Ca_kabuli_chr06	44335700	TT	AA	1940367952
SNP_P1_118597_44339251	NC_021165.1	Ca_kabuli_chr06	44339251	GG	TT	1940367954
SNP_P1_118598_44371796	NC_021165.1	Ca_kabuli_chr06	44371796	GG	CC	1940367956
SNP_P1_118600_44391284	NC_021165.1	Ca_kabuli_chr06	44391284	TT	AA	1940367958
SNP_P1_118601_44391285	NC_021165.1	Ca_kabuli_chr06	44391285	TT	CC	1940367959
SNP_P1_118602_44396673	NC_021165.1	Ca_kabuli_chr06	44396673	TT	CC	1940367961
SNP_P1_118603_44411065	NC_021165.1	Ca_kabuli_chr06	44411065	TT	AA	1940367963
SNP_P1_118605_44424559	NC_021165.1	Ca_kabuli_chr06	44424559	AA	GG	1940367965
SNP_P1_118606_44432334	NC_021165.1	Ca_kabuli_chr06	44432334	CC	TT	1940367966
SNP_P1_118607_44438975	NC_021165.1	Ca_kabuli_chr06	44438975	CC	TT	1940367968
SNP_P1_118608_44439258	NC_021165.1	Ca_kabuli_chr06	44439258	AA	CC	1940367970
SNP_P1_118609_44439297	NC_021165.1	Ca_kabuli_chr06	44439297	CC	GG	1940367972
SNP_P1_118610_44439310	NC_021165.1	Ca_kabuli_chr06	44439310	TT	CC	1940367973
SNP_P1_118611_44439326	NC_021165.1	Ca_kabuli_chr06	44439326	AA	CC	1940367975
SNP_P1_118612_44439330	NC_021165.1	Ca_kabuli_chr06	44439330	GG	AA	1940367977
SNP_P1_118613_44439600	NC_021165.1	Ca_kabuli_chr06	44439600	AA	GG	1940367979
SNP_P1_118614_44439637	NC_021165.1	Ca_kabuli_chr06	44439637	AA	TT	1940367981
SNP_P1_118615_44439639	NC_021165.1	Ca_kabuli_chr06	44439639	AA	CC	1940367982
SNP_P1_118616_44439683	NC_021165.1	Ca_kabuli_chr06	44439683	AA	GG	1940367984
SNP_P1_118617_44444506	NC_021165.1	Ca_kabuli_chr06	44444506	CC	TT	1940367986

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_118618_44460976	NC_021165.1	Ca_kabuli_chr06	44460976	AA	GG	1940367988
SNP_P1_118619_44461020	NC_021165.1	Ca_kabuli_chr06	44461020	TT	CC	1940367989
SNP_P1_118620_44461033	NC_021165.1	Ca_kabuli_chr06	44461033	GG	AA	1940367991
SNP_P1_118621_44461714	NC_021165.1	Ca_kabuli_chr06	44461714	AA	GG	1940367993
SNP_P1_118622_44462813	NC_021165.1	Ca_kabuli_chr06	44462813	TT	CC	1940367995
SNP_P1_118623_44487875	NC_021165.1	Ca_kabuli_chr06	44487875	TT	GG	1940367996
SNP_P1_118624_44491123	NC_021165.1	Ca_kabuli_chr06	44491123	TT	GG	1940367998
SNP_P1_118625_44494013	NC_021165.1	Ca_kabuli_chr06	44494013	CC	TT	1940368000
SNP_P1_118626_44495104	NC_021165.1	Ca_kabuli_chr06	44495104	GG	AA	1940368002
SNP_P1_118627_44495786	NC_021165.1	Ca_kabuli_chr06	44495786	AA	TT	1940368003
SNP_P1_118628_44503421	NC_021165.1	Ca_kabuli_chr06	44503421	GG	AA	1940368005
SNP_P1_118629_44516407	NC_021165.1	Ca_kabuli_chr06	44516407	AA	TT	1940368007
SNP_P1_118630_44516593	NC_021165.1	Ca_kabuli_chr06	44516593	GG	AA	1940368009
SNP_P1_118631_44516672	NC_021165.1	Ca_kabuli_chr06	44516672	GG	TT	1940368010
SNP_P1_118632_44516673	NC_021165.1	Ca_kabuli_chr06	44516673	TT	GG	1940368012
SNP_P1_118633_44516723	NC_021165.1	Ca_kabuli_chr06	44516723	CC	AA	1940368014
SNP_P1_118634_44516751	NC_021165.1	Ca_kabuli_chr06	44516751	CC	TT	1940368016
SNP_P1_118635_44516785	NC_021165.1	Ca_kabuli_chr06	44516785	AA	GG	1940368018
SNP_P1_118636_44516789	NC_021165.1	Ca_kabuli_chr06	44516789	GG	AA	1940368019
SNP_P1_118637_44520335	NC_021165.1	Ca_kabuli_chr06	44520335	GG	AA	1940368021
SNP_P1_118639_44556428	NC_021165.1	Ca_kabuli_chr06	44556428	GG	AA	1940368023
SNP_P1_118641_44568261	NC_021165.1	Ca_kabuli_chr06	44568261	CC	AA	1940368025
SNP_P1_118642_44568487	NC_021165.1	Ca_kabuli_chr06	44568487	AA	GG	1940368026
SNP_P1_118643_44580426	NC_021165.1	Ca_kabuli_chr06	44580426	CC	TT	1940368028
SNP_P1_118644_44580800	NC_021165.1	Ca_kabuli_chr06	44580800	TT	CC	1940368030
SNP_P1_118645_44580845	NC_021165.1	Ca_kabuli_chr06	44580845	TT	CC	1940368032
SNP_P1_118646_44580879	NC_021165.1	Ca_kabuli_chr06	44580879	AA	GG	1940368033
SNP_P1_118647_44582937	NC_021165.1	Ca_kabuli_chr06	44582937	AA	GG	1940368035
SNP_P1_118648_44592368	NC_021165.1	Ca_kabuli_chr06	44592368	AA	TT	1940368037
SNP_P1_118649_44622428	NC_021165.1	Ca_kabuli_chr06	44622428	TT	CC	1940368039
SNP_P1_118650_44622431	NC_021165.1	Ca_kabuli_chr06	44622431	TT	GG	1940368040
SNP_P1_118651_44626534	NC_021165.1	Ca_kabuli_chr06	44626534	AA	CC	1940368042
SNP_P1_118652_44626588	NC_021165.1	Ca_kabuli_chr06	44626588	AA	GG	1940368044
SNP_P1_118653_44626599	NC_021165.1	Ca_kabuli_chr06	44626599	TT	GG	1940368046
SNP_P1_118654_44626892	NC_021165.1	Ca_kabuli_chr06	44626892	GG	TT	1940368047
SNP_P1_118655_44626948	NC_021165.1	Ca_kabuli_chr06	44626948	CC	GG	1940368049
SNP_P1_118656_44626950	NC_021165.1	Ca_kabuli_chr06	44626950	AA	GG	1940368051
SNP_P1_118657_44627076	NC_021165.1	Ca_kabuli_chr06	44627076	AA	GG	1940368053
SNP_P1_118658_44627084	NC_021165.1	Ca_kabuli_chr06	44627084	TT	CC	1940368054
SNP_P1_118659_44627106	NC_021165.1	Ca_kabuli_chr06	44627106	AA	GG	1940368056
SNP_P1_118660_44627385	NC_021165.1	Ca_kabuli_chr06	44627385	GG	AA	1940368058
SNP_P1_118661_44648772	NC_021165.1	Ca_kabuli_chr06	44648772	CC	AA	1940368060

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118663_44650806	NC_021165.1	Ca_kabuli_chr06	44650806	TT	CC	1940368063
SNP_P1_118664_44652184	NC_021165.1	Ca_kabuli_chr06	44652184	GG	TT	1940368065
SNP_P1_118665_44652243	NC_021165.1	Ca_kabuli_chr06	44652243	CC	TT	1940368067
SNP_P1_118666_44652261	NC_021165.1	Ca_kabuli_chr06	44652261	CC	TT	1940368068
SNP_P1_118667_44652262	NC_021165.1	Ca_kabuli_chr06	44652262	AA	CC	1940368070
SNP_P1_118668_44652273	NC_021165.1	Ca_kabuli_chr06	44652273	CC	TT	1940368072
SNP_P1_118669_44652532	NC_021165.1	Ca_kabuli_chr06	44652532	TT	GG	1940368074
SNP_P1_118670_44652573	NC_021165.1	Ca_kabuli_chr06	44652573	GG	AA	1940368076
SNP_P1_118671_44652811	NC_021165.1	Ca_kabuli_chr06	44652811	AA	GG	1940368077
SNP_P1_118672_44653483	NC_021165.1	Ca_kabuli_chr06	44653483	TT	CC	1940368079
SNP_P1_118673_44653584	NC_021165.1	Ca_kabuli_chr06	44653584	TT	AA	1940368081
SNP_P1_118674_44653850	NC_021165.1	Ca_kabuli_chr06	44653850	TT	CC	1940368083
SNP_P1_118675_44653872	NC_021165.1	Ca_kabuli_chr06	44653872	GG	AA	1940368084
SNP_P1_118676_44654059	NC_021165.1	Ca_kabuli_chr06	44654059	AA	TT	1940368086
SNP_P1_118677_44654510	NC_021165.1	Ca_kabuli_chr06	44654510	TT	CC	1940368088
SNP_P1_118678_44654696	NC_021165.1	Ca_kabuli_chr06	44654696	CC	TT	1940368090
SNP_P1_118679_44678115	NC_021165.1	Ca_kabuli_chr06	44678115	TT	GG	1940368091
SNP_P1_118680_44678121	NC_021165.1	Ca_kabuli_chr06	44678121	AA	GG	1940368093
SNP_P1_118681_44678169	NC_021165.1	Ca_kabuli_chr06	44678169	GG	TT	1940368095
SNP_P1_118682_44678281	NC_021165.1	Ca_kabuli_chr06	44678281	AA	TT	1940368097
SNP_P1_118683_44678318	NC_021165.1	Ca_kabuli_chr06	44678318	TT	GG	1940368098
SNP_P1_118684_44678400	NC_021165.1	Ca_kabuli_chr06	44678400	AA	TT	1940368100
SNP_P1_118685_44678875	NC_021165.1	Ca_kabuli_chr06	44678875	TT	CC	1940368102
SNP_P1_118686_44680132	NC_021165.1	Ca_kabuli_chr06	44680132	CC	TT	1940368104
SNP_P1_118687_44680156	NC_021165.1	Ca_kabuli_chr06	44680156	CC	TT	1940368105
SNP_P1_118688_44680162	NC_021165.1	Ca_kabuli_chr06	44680162	CC	TT	1940368107
SNP_P1_118689_44680469	NC_021165.1	Ca_kabuli_chr06	44680469	GG	AA	1940368109
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SNP_P1_118691_44681644	NC_021165.1	Ca_kabuli_chr06	44681644	GG	AA	1940368112
SNP_P1_118692_44681983	NC_021165.1	Ca_kabuli_chr06	44681983	TT	CC	1940368114
SNP_P1_118693_44682605	NC_021165.1	Ca_kabuli_chr06	44682605	AA	GG	1940368116
SNP_P1_118694_44682608	NC_021165.1	Ca_kabuli_chr06	44682608	GG	AA	1940368118
SNP_P1_118695_44682821	NC_021165.1	Ca_kabuli_chr06	44682821	AA	TT	1940368119
SNP_P1_118696_44682837	NC_021165.1	Ca_kabuli_chr06	44682837	GG	AA	1940368121
SNP_P1_118697_44682900	NC_021165.1	Ca_kabuli_chr06	44682900	TT	AA	1940368123
SNP_P1_118698_44682923	NC_021165.1	Ca_kabuli_chr06	44682923	AA	GG	1940368125
SNP_P1_118699_44682958	NC_021165.1	Ca_kabuli_chr06	44682958	AA	GG	1940368126
SNP_P1_118700_44683107	NC_021165.1	Ca_kabuli_chr06	44683107	TT	CC	1940368128
SNP_P1_118701_44699642	NC_021165.1	Ca_kabuli_chr06	44699642	GG	CC	1940368130
SNP_P1_118702_44699694	NC_021165.1	Ca_kabuli_chr06	44699694	TT	CC	1940368132
SNP_P1_118703_44699695	NC_021165.1	Ca_kabuli_chr06	44699695	TT	CC	1940368133

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_118704_44700012	NC_021165.1	Ca_kabuli_chr06	44700012	AA	GG	1940368135
SNP_P1_118705_44700098	NC_021165.1	Ca_kabuli_chr06	44700098	GG	AA	1940368137
SNP_P1_118706_44700112	NC_021165.1	Ca_kabuli_chr06	44700112	GG	TT	1940368139
SNP_P1_118707_44700127	NC_021165.1	Ca_kabuli_chr06	44700127	CC	TT	1940368140
SNP_P1_118708_44703865	NC_021165.1	Ca_kabuli_chr06	44703865	GG	AA	1940368142
SNP_P1_118709_44706939	NC_021165.1	Ca_kabuli_chr06	44706939	CC	TT	1940368144
SNP_P1_118710_44707046	NC_021165.1	Ca_kabuli_chr06	44707046	GG	CC	1940368146
SNP_P1_118711_44707058	NC_021165.1	Ca_kabuli_chr06	44707058	GG	AA	1940368147
SNP_P1_118712_44707092	NC_021165.1	Ca_kabuli_chr06	44707092	TT	CC	1940368149
SNP_P1_118713_44707308	NC_021165.1	Ca_kabuli_chr06	44707308	CC	TT	1940368151
SNP_P1_118714_44707311	NC_021165.1	Ca_kabuli_chr06	44707311	CC	TT	1940368153
SNP_P1_118715_44707338	NC_021165.1	Ca_kabuli_chr06	44707338	CC	TT	1940368154
SNP_P1_118716_44707396	NC_021165.1	Ca_kabuli_chr06	44707396	CC	TT	1940368156
SNP_P1_118717_44709034	NC_021165.1	Ca_kabuli_chr06	44709034	CC	TT	1940368158
SNP_P1_118718_44709054	NC_021165.1	Ca_kabuli_chr06	44709054	GG	CC	1940368160
SNP_P1_118719_44709079	NC_021165.1	Ca_kabuli_chr06	44709079	CC	TT	1940368162
SNP_P1_118720_44709081	NC_021165.1	Ca_kabuli_chr06	44709081	AA	CC	1940368163
SNP_P1_118721_44709123	NC_021165.1	Ca_kabuli_chr06	44709123	CC	TT	1940368165
SNP_P1_118722_44709126	NC_021165.1	Ca_kabuli_chr06	44709126	AA	GG	1940368167
SNP_P1_118723_44709173	NC_021165.1	Ca_kabuli_chr06	44709173	TT	CC	1940368169
SNP_P1_118724_44709177	NC_021165.1	Ca_kabuli_chr06	44709177	GG	AA	1940368170
SNP_P1_118725_44709425	NC_021165.1	Ca_kabuli_chr06	44709425	GG	AA	1940368172
SNP_P1_118726_44709811	NC_021165.1	Ca_kabuli_chr06	44709811	AA	CC	1940368174
SNP_P1_118727_44709823	NC_021165.1	Ca_kabuli_chr06	44709823	TT	CC	1940368176
SNP_P1_118728_44709940	NC_021165.1	Ca_kabuli_chr06	44709940	CC	AA	1940368177
SNP_P1_118729_44710024	NC_021165.1	Ca_kabuli_chr06	44710024	AA	GG	1940368179
SNP_P1_118730_44713003	NC_021165.1	Ca_kabuli_chr06	44713003	GG	AA	1940368181
SNP_P1_118731_44713006	NC_021165.1	Ca_kabuli_chr06	44713006	GG	AA	1940368183
SNP_P1_118732_44713012	NC_021165.1	Ca_kabuli_chr06	44713012	TT	CC	1940368184
SNP_P1_118733_44713092	NC_021165.1	Ca_kabuli_chr06	44713092	GG	AA	1940368186
SNP_P1_118734_44713094	NC_021165.1	Ca_kabuli_chr06	44713094	GG	CC	1940368188
SNP_P1_118735_44713348	NC_021165.1	Ca_kabuli_chr06	44713348	AA	GG	1940368190
SNP_P1_118736_44724087	NC_021165.1	Ca_kabuli_chr06	44724087	GG	TT	1940368191
SNP_P1_118737_44724094	NC_021165.1	Ca_kabuli_chr06	44724094	CC	TT	1940368193
SNP_P1_118738_44724134	NC_021165.1	Ca_kabuli_chr06	44724134	TT	CC	1940368195
SNP_P1_118739_44724314	NC_021165.1	Ca_kabuli_chr06	44724314	AA	GG	1940368197
SNP_P1_118740_44724590	NC_021165.1	Ca_kabuli_chr06	44724590	AA	CC	1940368198
SNP_P1_118741_44724595	NC_021165.1	Ca_kabuli_chr06	44724595	AA	GG	1940368200
SNP_P1_118742_44726760	NC_021165.1	Ca_kabuli_chr06	44726760	CC	GG	1940368202
SNP_P1_118743_44727051	NC_021165.1	Ca_kabuli_chr06	44727051	AA	GG	1940368204
SNP_P1_118744_44727072	NC_021165.1	Ca_kabuli_chr06	44727072	TT	CC	1940368205
SNP_P1_118745_44727178	NC_021165.1	Ca_kabuli_chr06	44727178	AA	GG	1940368207

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_118746_44727471	NC_021165.1	Ca_kabuli_chr06	44727471	AA	CC	1940368209
SNP_P1_118747_44737922	NC_021165.1	Ca_kabuli_chr06	44737922	CC	TT	1940368211
SNP_P1_118748_44737935	NC_021165.1	Ca_kabuli_chr06	44737935	TT	GG	1940368212
SNP_P1_118749_44737973	NC_021165.1	Ca_kabuli_chr06	44737973	CC	TT	1940368214
SNP_P1_118750_44738091	NC_021165.1	Ca_kabuli_chr06	44738091	AA	GG	1940368216
SNP_P1_118751_44738422	NC_021165.1	Ca_kabuli_chr06	44738422	TT	CC	1940368218
SNP_P1_118753_44758440	NC_021165.1	Ca_kabuli_chr06	44758440	AA	GG	1940368219
SNP_P1_118754_44763193	NC_021165.1	Ca_kabuli_chr06	44763193	CC	TT	1940368221
SNP_P1_118755_44776349	NC_021165.1	Ca_kabuli_chr06	44776349	AA	GG	1940368223
SNP_P1_118756_44776375	NC_021165.1	Ca_kabuli_chr06	44776375	AA	GG	1940368225
SNP_P1_118757_44776401	NC_021165.1	Ca_kabuli_chr06	44776401	GG	AA	1940368227
SNP_P1_118758_44776757	NC_021165.1	Ca_kabuli_chr06	44776757	AA	GG	1940368228
SNP_P1_118759_44776760	NC_021165.1	Ca_kabuli_chr06	44776760	AA	CC	1940368230
SNP_P1_118760_44792288	NC_021165.1	Ca_kabuli_chr06	44792288	AA	GG	1940368232
SNP_P1_118761_44818564	NC_021165.1	Ca_kabuli_chr06	44818564	AA	TT	1940368234
SNP_P1_118762_44818573	NC_021165.1	Ca_kabuli_chr06	44818573	AA	CC	1940368235
SNP_P1_118763_44820616	NC_021165.1	Ca_kabuli_chr06	44820616	TT	CC	1940368237
SNP_P1_118764_44852366	NC_021165.1	Ca_kabuli_chr06	44852366	AA	GG	1940368239
SNP_P1_118765_44888005	NC_021165.1	Ca_kabuli_chr06	44888005	GG	TT	1940368241
SNP_P1_118766_44898913	NC_021165.1	Ca_kabuli_chr06	44898913	GG	CC	1940368242
SNP_P1_118768_44921825	NC_021165.1	Ca_kabuli_chr06	44921825	TT	CC	1940368244
SNP_P1_118769_44950524	NC_021165.1	Ca_kabuli_chr06	44950524	AA	CC	1940368246
SNP_P1_118770_44952489	NC_021165.1	Ca_kabuli_chr06	44952489	TT	CC	1940368248
SNP_P1_118771_44952748	NC_021165.1	Ca_kabuli_chr06	44952748	CC	TT	1940368249
SNP_P1_118772_44953637	NC_021165.1	Ca_kabuli_chr06	44953637	TT	CC	1940368251
SNP_P1_118773_44954072	NC_021165.1	Ca_kabuli_chr06	44954072	CC	TT	1940368253
SNP_P1_118774_44954077	NC_021165.1	Ca_kabuli_chr06	44954077	AA	GG	1940368255
SNP_P1_118775_44954110	NC_021165.1	Ca_kabuli_chr06	44954110	AA	CC	1940368256
SNP_P1_118776_44954117	NC_021165.1	Ca_kabuli_chr06	44954117	CC	TT	1940368258
SNP_P1_118777_44954120	NC_021165.1	Ca_kabuli_chr06	44954120	CC	TT	1940368260
SNP_P1_118778_44954211	NC_021165.1	Ca_kabuli_chr06	44954211	AA	CC	1940368262
SNP_P1_118779_44954214	NC_021165.1	Ca_kabuli_chr06	44954214	GG	TT	1940368263
SNP_P1_118780_44954219	NC_021165.1	Ca_kabuli_chr06	44954219	CC	TT	1940368265
SNP_P1_118781_44954224	NC_021165.1	Ca_kabuli_chr06	44954224	GG	AA	1940368267
SNP_P1_118782_44954265	NC_021165.1	Ca_kabuli_chr06	44954265	GG	AA	1940368269
SNP_P1_118783_44954270	NC_021165.1	Ca_kabuli_chr06	44954270	TT	CC	1940368270
SNP_P1_118784_44954273	NC_021165.1	Ca_kabuli_chr06	44954273	CC	TT	1940368272
SNP_P1_118785_44954276	NC_021165.1	Ca_kabuli_chr06	44954276	GG	AA	1940368274
SNP_P1_118786_44954492	NC_021165.1	Ca_kabuli_chr06	44954492	GG	CC	1940368276
SNP_P1_118787_44954518	NC_021165.1	Ca_kabuli_chr06	44954518	TT	GG	1940368277
SNP_P1_118788_44954519	NC_021165.1	Ca_kabuli_chr06	44954519	AA	CC	1940368279
SNP_P1_118789_44954615	NC_021165.1	Ca_kabuli_chr06	44954615	GG	AA	1940368281

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_118790_44956289	NC_021165.1	Ca_kabuli_chr06	44956289	AA	GG	1940368283
SNP_P1_118791_44956319	NC_021165.1	Ca_kabuli_chr06	44956319	TT	CC	1940368284
SNP_P1_118792_44960315	NC_021165.1	Ca_kabuli_chr06	44960315	AA	GG	1940368286
SNP_P1_118793_44960319	NC_021165.1	Ca_kabuli_chr06	44960319	CC	TT	1940368288
SNP_P1_118794_44960372	NC_021165.1	Ca_kabuli_chr06	44960372	AA	TT	1940368290
SNP_P1_118795_44960405	NC_021165.1	Ca_kabuli_chr06	44960405	GG	AA	1940368291
SNP_P1_118796_44960457	NC_021165.1	Ca_kabuli_chr06	44960457	TT	CC	1940368293
SNP_P1_118797_44960459	NC_021165.1	Ca_kabuli_chr06	44960459	TT	CC	1940368295
SNP_P1_118798_44960537	NC_021165.1	Ca_kabuli_chr06	44960537	AA	GG	1940368297
SNP_P1_118799_44960546	NC_021165.1	Ca_kabuli_chr06	44960546	TT	AA	1940368298
SNP_P1_118800_44960554	NC_021165.1	Ca_kabuli_chr06	44960554	GG	AA	1940368300
SNP_P1_118801_44960677	NC_021165.1	Ca_kabuli_chr06	44960677	GG	AA	1940368302
SNP_P1_118802_44960686	NC_021165.1	Ca_kabuli_chr06	44960686	GG	AA	1940368304
SNP_P1_118803_44960692	NC_021165.1	Ca_kabuli_chr06	44960692	GG	AA	1940368306
SNP_P1_118804_44960704	NC_021165.1	Ca_kabuli_chr06	44960704	CC	TT	1940368307
SNP_P1_118805_44960744	NC_021165.1	Ca_kabuli_chr06	44960744	GG	AA	1940368309
SNP_P1_118806_44960765	NC_021165.1	Ca_kabuli_chr06	44960765	TT	GG	1940368311
SNP_P1_118807_44970678	NC_021165.1	Ca_kabuli_chr06	44970678	GG	AA	1940368313
SNP_P1_118808_44977012	NC_021165.1	Ca_kabuli_chr06	44977012	TT	CC	1940368314
SNP_P1_118809_44996258	NC_021165.1	Ca_kabuli_chr06	44996258	GG	AA	1940368316
SNP_P1_118810_44996311	NC_021165.1	Ca_kabuli_chr06	44996311	TT	CC	1940368318
SNP_P1_118811_44996613	NC_021165.1	Ca_kabuli_chr06	44996613	CC	TT	1940368320
SNP_P1_118812_44996739	NC_021165.1	Ca_kabuli_chr06	44996739	GG	AA	1940368321
SNP_P1_118813_44998605	NC_021165.1	Ca_kabuli_chr06	44998605	TT	GG	1940368323
SNP_P1_118814_45007780	NC_021165.1	Ca_kabuli_chr06	45007780	CC	TT	1940368325
SNP_P1_118815_45015385	NC_021165.1	Ca_kabuli_chr06	45015385	CC	TT	1940368327
SNP_P1_118816_45015477	NC_021165.1	Ca_kabuli_chr06	45015477	GG	AA	1940368328
SNP_P1_118817_45017874	NC_021165.1	Ca_kabuli_chr06	45017874	GG	AA	1940368330
SNP_P1_118819_45018832	NC_021165.1	Ca_kabuli_chr06	45018832	CC	AA	1940368332
SNP_P1_118820_45020910	NC_021165.1	Ca_kabuli_chr06	45020910	TT	CC	1940368334
SNP_P1_118821_45020947	NC_021165.1	Ca_kabuli_chr06	45020947	GG	AA	1940368335
SNP_P1_118822_45021341	NC_021165.1	Ca_kabuli_chr06	45021341	AA	CC	1940368337
SNP_P1_118823_45046219	NC_021165.1	Ca_kabuli_chr06	45046219	CC	TT	1940368339
SNP_P1_118824_45059474	NC_021165.1	Ca_kabuli_chr06	45059474	CC	TT	1940368341
SNP_P1_118825_45064580	NC_021165.1	Ca_kabuli_chr06	45064580	GG	AA	1940368342
SNP_P1_118826_45067623	NC_021165.1	Ca_kabuli_chr06	45067623	TT	CC	1940368344
SNP_P1_118828_45109661	NC_021165.1	Ca_kabuli_chr06	45109661	GG	AA	1940368346
SNP_P1_118829_45128419	NC_021165.1	Ca_kabuli_chr06	45128419	TT	CC	1940368348
SNP_P1_118830_45135131	NC_021165.1	Ca_kabuli_chr06	45135131	AA	GG	1940368349
SNP_P1_118831_45135153	NC_021165.1	Ca_kabuli_chr06	45135153	GG	TT	1940368351
SNP_P1_118832_45135301	NC_021165.1	Ca_kabuli_chr06	45135301	AA	GG	1940368353
SNP_P1_118833_45135325	NC_021165.1	Ca_kabuli_chr06	45135325	GG	CC	1940368355

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_118834_45135331	NC_021165.1	Ca_kabuli_chr06	45135331	CC	GG	1940368356
SNP_P1_118836_45144047	NC_021165.1	Ca_kabuli_chr06	45144047	TT	CC	1940368358
SNP_P1_118837_45145873	NC_021165.1	Ca_kabuli_chr06	45145873	TT	CC	1940368360
SNP_P1_118838_45145896	NC_021165.1	Ca_kabuli_chr06	45145896	GG	AA	1940368362
SNP_P1_118839_45150783	NC_021165.1	Ca_kabuli_chr06	45150783	GG	AA	1940368363
SNP_P1_118840_45164348	NC_021165.1	Ca_kabuli_chr06	45164348	AA	CC	1940368365
SNP_P1_118841_45164418	NC_021165.1	Ca_kabuli_chr06	45164418	AA	CC	1940368367
SNP_P1_118842_45164651	NC_021165.1	Ca_kabuli_chr06	45164651	GG	AA	1940368369
SNP_P1_118843_45164658	NC_021165.1	Ca_kabuli_chr06	45164658	TT	AA	1940368370
SNP_P1_118845_45164684	NC_021165.1	Ca_kabuli_chr06	45164684	CC	TT	1940368372
SNP_P1_118846_45177553	NC_021165.1	Ca_kabuli_chr06	45177553	CC	TT	1940368374
SNP_P1_118847_45177608	NC_021165.1	Ca_kabuli_chr06	45177608	AA	CC	1940368376
SNP_P1_118848_45179192	NC_021165.1	Ca_kabuli_chr06	45179192	AA	GG	1940368377
SNP_P1_118849_45190454	NC_021165.1	Ca_kabuli_chr06	45190454	TT	CC	1940368379
SNP_P1_118850_45190838	NC_021165.1	Ca_kabuli_chr06	45190838	CC	TT	1940368381
SNP_P1_118851_45200883	NC_021165.1	Ca_kabuli_chr06	45200883	AA	CC	1940368383
SNP_P1_118852_45205464	NC_021165.1	Ca_kabuli_chr06	45205464	CC	TT	1940368385
SNP_P1_118854_45248191	NC_021165.1	Ca_kabuli_chr06	45248191	TT	CC	1940368386
SNP_P1_118856_45274613	NC_021165.1	Ca_kabuli_chr06	45274613	AA	GG	1940368388
SNP_P1_118857_45274614	NC_021165.1	Ca_kabuli_chr06	45274614	CC	TT	1940368390
SNP_P1_118858_45274623	NC_021165.1	Ca_kabuli_chr06	45274623	TT	CC	1940368392
SNP_P1_118859_45274641	NC_021165.1	Ca_kabuli_chr06	45274641	AA	TT	1940368393
SNP_P1_118860_45274661	NC_021165.1	Ca_kabuli_chr06	45274661	TT	AA	1940368395
SNP_P1_118861_45274669	NC_021165.1	Ca_kabuli_chr06	45274669	CC	AA	1940368397
SNP_P1_118862_45274704	NC_021165.1	Ca_kabuli_chr06	45274704	AA	GG	1940368399
SNP_P1_118863_45274710	NC_021165.1	Ca_kabuli_chr06	45274710	TT	GG	1940368400
SNP_P1_118864_45274842	NC_021165.1	Ca_kabuli_chr06	45274842	AA	GG	1940368402
SNP_P1_118865_45274863	NC_021165.1	Ca_kabuli_chr06	45274863	TT	CC	1940368404
SNP_P1_118866_45274884	NC_021165.1	Ca_kabuli_chr06	45274884	CC	TT	1940368406
SNP_P1_118867_45274894	NC_021165.1	Ca_kabuli_chr06	45274894	AA	GG	1940368407
SNP_P1_118868_45274902	NC_021165.1	Ca_kabuli_chr06	45274902	TT	CC	1940368409
SNP_P1_118869_45274932	NC_021165.1	Ca_kabuli_chr06	45274932	TT	AA	1940368411
SNP_P1_118870_45274935	NC_021165.1	Ca_kabuli_chr06	45274935	TT	CC	1940368413
SNP_P1_118871_45274947	NC_021165.1	Ca_kabuli_chr06	45274947	GG	AA	1940368414
SNP_P1_118872_45274965	NC_021165.1	Ca_kabuli_chr06	45274965	GG	AA	1940368416
SNP_P1_118873_45275303	NC_021165.1	Ca_kabuli_chr06	45275303	TT	CC	1940368418
SNP_P1_118874_45275320	NC_021165.1	Ca_kabuli_chr06	45275320	AA	GG	1940368420
SNP_P1_118876_45277882	NC_021165.1	Ca_kabuli_chr06	45277882	AA	GG	1940368421
SNP_P1_118877_45277885	NC_021165.1	Ca_kabuli_chr06	45277885	TT	AA	1940368423
SNP_P1_118878_45277888	NC_021165.1	Ca_kabuli_chr06	45277888	CC	TT	1940368425
SNP_P1_118879_45277902	NC_021165.1	Ca_kabuli_chr06	45277902	TT	CC	1940368427
SNP_P1_118880_45277908	NC_021165.1	Ca_kabuli_chr06	45277908	TT	GG	1940368428

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_118881_45277909	NC_021165.1	Ca_kabuli_chr06	45277909	TT	GG	1940368430
SNP_P1_118882_45277978	NC_021165.1	Ca_kabuli_chr06	45277978	TT	CC	1940368432
SNP_P1_118883_45278057	NC_021165.1	Ca_kabuli_chr06	45278057	AA	CC	1940368434
SNP_P1_118885_45282149	NC_021165.1	Ca_kabuli_chr06	45282149	CC	AA	1940368435
SNP_P1_118886_45287322	NC_021165.1	Ca_kabuli_chr06	45287322	TT	AA	1940368437
SNP_P1_118887_45289289	NC_021165.1	Ca_kabuli_chr06	45289289	CC	TT	1940368439
SNP_P1_118888_45289616	NC_021165.1	Ca_kabuli_chr06	45289616	CC	TT	1940368441
SNP_P1_118889_45290210	NC_021165.1	Ca_kabuli_chr06	45290210	AA	GG	1940368442
SNP_P1_118890_45290265	NC_021165.1	Ca_kabuli_chr06	45290265	AA	GG	1940368444
SNP_P1_118891_45290473	NC_021165.1	Ca_kabuli_chr06	45290473	AA	TT	1940368446
SNP_P1_118892_45290475	NC_021165.1	Ca_kabuli_chr06	45290475	AA	TT	1940368448
SNP_P1_118894_45303405	NC_021165.1	Ca_kabuli_chr06	45303405	CC	TT	1940368450
SNP_P1_118895_45304815	NC_021165.1	Ca_kabuli_chr06	45304815	GG	TT	1940368451
SNP_P1_118896_45304829	NC_021165.1	Ca_kabuli_chr06	45304829	CC	TT	1940368453
SNP_P1_118897_45304832	NC_021165.1	Ca_kabuli_chr06	45304832	TT	GG	1940368455
SNP_P1_118898_45304852	NC_021165.1	Ca_kabuli_chr06	45304852	CC	TT	1940368457
SNP_P1_118899_45304869	NC_021165.1	Ca_kabuli_chr06	45304869	AA	GG	1940368458
SNP_P1_118900_45304966	NC_021165.1	Ca_kabuli_chr06	45304966	AA	CC	1940368460
SNP_P1_118902_45305222	NC_021165.1	Ca_kabuli_chr06	45305222	AA	CC	1940368462
SNP_P1_118904_45329277	NC_021165.1	Ca_kabuli_chr06	45329277	CC	AA	1940368464
SNP_P1_118905_45329315	NC_021165.1	Ca_kabuli_chr06	45329315	CC	TT	1940368465
SNP_P1_118906_45329327	NC_021165.1	Ca_kabuli_chr06	45329327	CC	TT	1940368467
SNP_P1_118907_45329473	NC_021165.1	Ca_kabuli_chr06	45329473	GG	TT	1940368469
SNP_P1_118908_45329567	NC_021165.1	Ca_kabuli_chr06	45329567	TT	CC	1940368471
SNP_P1_118910_45350358	NC_021165.1	Ca_kabuli_chr06	45350358	AA	GG	1940368472
SNP_P1_118911_45362268	NC_021165.1	Ca_kabuli_chr06	45362268	TT	AA	1940368474
SNP_P1_118912_45362588	NC_021165.1	Ca_kabuli_chr06	45362588	TT	CC	1940368476
SNP_P1_118913_45365754	NC_021165.1	Ca_kabuli_chr06	45365754	GG	AA	1940368478
SNP_P1_118914_45367629	NC_021165.1	Ca_kabuli_chr06	45367629	GG	AA	1940368479
SNP_P1_118915_45369201	NC_021165.1	Ca_kabuli_chr06	45369201	AA	TT	1940368481
SNP_P1_118916_45374862	NC_021165.1	Ca_kabuli_chr06	45374862	AA	CC	1940368483
SNP_P1_118917_45375376	NC_021165.1	Ca_kabuli_chr06	45375376	TT	AA	1940368485
SNP_P1_118918_45392324	NC_021165.1	Ca_kabuli_chr06	45392324	CC	AA	1940368486
SNP_P1_118919_45392655	NC_021165.1	Ca_kabuli_chr06	45392655	AA	TT	1940368488
SNP_P1_118920_45392659	NC_021165.1	Ca_kabuli_chr06	45392659	AA	GG	1940368490
SNP_P1_118921_45392691	NC_021165.1	Ca_kabuli_chr06	45392691	AA	GG	1940368492
SNP_P1_118922_45396566	NC_021165.1	Ca_kabuli_chr06	45396566	AA	GG	1940368493
SNP_P1_118923_45399944	NC_021165.1	Ca_kabuli_chr06	45399944	GG	AA	1940368495
SNP_P1_118924_45400310	NC_021165.1	Ca_kabuli_chr06	45400310	TT	CC	1940368497
SNP_P1_118925_45400321	NC_021165.1	Ca_kabuli_chr06	45400321	AA	GG	1940368499
SNP_P1_118926_45400345	NC_021165.1	Ca_kabuli_chr06	45400345	CC	TT	1940368501
SNP_P1_118927_45400380	NC_021165.1	Ca_kabuli_chr06	45400380	GG	AA	1940368502

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118929_45401899	NC_021165.1	Ca_kabuli_chr06	45401899	TT	CC	1940368506
SNP_P1_118931_45405853	NC_021165.1	Ca_kabuli_chr06	45405853	AA	TT	1940368508
SNP_P1_118932_45405969	NC_021165.1	Ca_kabuli_chr06	45405969	AA	TT	1940368509
SNP_P1_118933_45405995	NC_021165.1	Ca_kabuli_chr06	45405995	TT	GG	1940368511
SNP_P1_118934_45406025	NC_021165.1	Ca_kabuli_chr06	45406025	AA	GG	1940368513
SNP_P1_118935_45408508	NC_021165.1	Ca_kabuli_chr06	45408508	GG	AA	1940368515
SNP_P1_118937_45432275	NC_021165.1	Ca_kabuli_chr06	45432275	AA	GG	1940368516
SNP_P1_118938_45469568	NC_021165.1	Ca_kabuli_chr06	45469568	GG	CC	1940368518
SNP_P1_118939_45469625	NC_021165.1	Ca_kabuli_chr06	45469625	TT	CC	1940368520
SNP_P1_118940_45469954	NC_021165.1	Ca_kabuli_chr06	45469954	TT	CC	1940368522
SNP_P1_118942_45473358	NC_021165.1	Ca_kabuli_chr06	45473358	CC	TT	1940368523
SNP_P1_118943_45473384	NC_021165.1	Ca_kabuli_chr06	45473384	AA	GG	1940368525
SNP_P1_118944_45473407	NC_021165.1	Ca_kabuli_chr06	45473407	TT	CC	1940368527
SNP_P1_118945_45473729	NC_021165.1	Ca_kabuli_chr06	45473729	CC	TT	1940368529
SNP_P1_118946_45473848	NC_021165.1	Ca_kabuli_chr06	45473848	AA	GG	1940368530
SNP_P1_118947_45473849	NC_021165.1	Ca_kabuli_chr06	45473849	TT	CC	1940368532
SNP_P1_118948_45473851	NC_021165.1	Ca_kabuli_chr06	45473851	CC	TT	1940368534
SNP_P1_118949_45480619	NC_021165.1	Ca_kabuli_chr06	45480619	CC	GG	1940368536
SNP_P1_118951_45484369	NC_021165.1	Ca_kabuli_chr06	45484369	CC	GG	1940368537
SNP_P1_118952_45495678	NC_021165.1	Ca_kabuli_chr06	45495678	TT	CC	1940368539
SNP_P1_118953_45502335	NC_021165.1	Ca_kabuli_chr06	45502335	TT	CC	1940368541
SNP_P1_118954_45548329	NC_021165.1	Ca_kabuli_chr06	45548329	CC	TT	1940368543
SNP_P1_118955_45564482	NC_021165.1	Ca_kabuli_chr06	45564482	GG	TT	1940368544
SNP_P1_118956_45566972	NC_021165.1	Ca_kabuli_chr06	45566972	AA	GG	1940368546
SNP_P1_118957_45566977	NC_021165.1	Ca_kabuli_chr06	45566977	AA	CC	1940368548
SNP_P1_118958_45567817	NC_021165.1	Ca_kabuli_chr06	45567817	TT	GG	1940368550
SNP_P1_118959_45585452	NC_021165.1	Ca_kabuli_chr06	45585452	AA	TT	1940368551
SNP_P1_118960_45585577	NC_021165.1	Ca_kabuli_chr06	45585577	CC	TT	1940368553
SNP_P1_118961_45585668	NC_021165.1	Ca_kabuli_chr06	45585668	TT	CC	1940368555
SNP_P1_118962_45585669	NC_021165.1	Ca_kabuli_chr06	45585669	AA	GG	1940368557
SNP_P1_118964_45597964	NC_021165.1	Ca_kabuli_chr06	45597964	GG	TT	1940368558
SNP_P1_118965_45598335	NC_021165.1	Ca_kabuli_chr06	45598335	AA	GG	1940368560
SNP_P1_118966_45598358	NC_021165.1	Ca_kabuli_chr06	45598358	AA	TT	1940368562
SNP_P1_118967_45642861	NC_021165.1	Ca_kabuli_chr06	45642861	AA	GG	1940368564
SNP_P1_118968_45642876	NC_021165.1	Ca_kabuli_chr06	45642876	TT	GG	1940368565
SNP_P1_118969_45643017	NC_021165.1	Ca_kabuli_chr06	45643017	GG	TT	1940368567
SNP_P1_118970_45643171	NC_021165.1	Ca_kabuli_chr06	45643171	AA	CC	1940368569
SNP_P1_118971_45643228	NC_021165.1	Ca_kabuli_chr06	45643228	GG	AA	1940368571
SNP_P1_118972_45643318	NC_021165.1	Ca_kabuli_chr06	45643318	CC	TT	1940368573
SNP_P1_118973_45643364	NC_021165.1	Ca_kabuli_chr06	45643364	AA	GG	1940368574
SNP_P1_118974_45643388	NC_021165.1	Ca_kabuli_chr06	45643388	AA	GG	1940368576

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_118976_45662827	NC_021165.1	Ca_kabuli_chr06	45662827	CC	AA	1940368580
SNP_P1_118977_45666385	NC_021165.1	Ca_kabuli_chr06	45666385	GG	TT	1940368581
SNP_P1_118978_45666898	NC_021165.1	Ca_kabuli_chr06	45666898	CC	TT	1940368583
SNP_P1_118979_45666912	NC_021165.1	Ca_kabuli_chr06	45666912	GG	AA	1940368585
SNP_P1_118980_45675866	NC_021165.1	Ca_kabuli_chr06	45675866	AA	CC	1940368587
SNP_P1_118981_45675874	NC_021165.1	Ca_kabuli_chr06	45675874	AA	GG	1940368588
SNP_P1_118983_45691886	NC_021165.1	Ca_kabuli_chr06	45691886	CC	TT	1940368590
SNP_P1_118984_45731124	NC_021165.1	Ca_kabuli_chr06	45731124	GG	AA	1940368592
SNP_P1_118985_45740479	NC_021165.1	Ca_kabuli_chr06	45740479	CC	AA	1940368594
SNP_P1_118986_45746154	NC_021165.1	Ca_kabuli_chr06	45746154	GG	CC	1940368595
SNP_P1_118987_45761595	NC_021165.1	Ca_kabuli_chr06	45761595	TT	CC	1940368597
SNP_P1_118988_45767253	NC_021165.1	Ca_kabuli_chr06	45767253	TT	CC	1940368599
SNP_P1_118989_45778401	NC_021165.1	Ca_kabuli_chr06	45778401	AA	TT	1940368601
SNP_P1_118991_45803260	NC_021165.1	Ca_kabuli_chr06	45803260	AA	TT	1940368602
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SNP_P1_118993_45834179	NC_021165.1	Ca_kabuli_chr06	45834179	GG	TT	1940368606
SNP_P1_118994_45834180	NC_021165.1	Ca_kabuli_chr06	45834180	TT	GG	1940368608
SNP_P1_118995_45851001	NC_021165.1	Ca_kabuli_chr06	45851001	TT	AA	1940368609
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SNP_P1_118997_45851028	NC_021165.1	Ca_kabuli_chr06	45851028	TT	AA	1940368613
SNP_P1_118998_45851383	NC_021165.1	Ca_kabuli_chr06	45851383	TT	CC	1940368615
SNP_P1_118999_45851427	NC_021165.1	Ca_kabuli_chr06	45851427	AA	CC	1940368616
SNP_P1_119000_45851455	NC_021165.1	Ca_kabuli_chr06	45851455	AA	GG	1940368618
SNP_P1_119001_45851857	NC_021165.1	Ca_kabuli_chr06	45851857	TT	CC	1940368620
SNP_P1_119002_45872643	NC_021165.1	Ca_kabuli_chr06	45872643	AA	GG	1940368622
SNP_P1_119003_45872645	NC_021165.1	Ca_kabuli_chr06	45872645	GG	AA	1940368623
SNP_P1_119005_45895256	NC_021165.1	Ca_kabuli_chr06	45895256	TT	CC	1940368625
SNP_P1_119007_45896358	NC_021165.1	Ca_kabuli_chr06	45896358	GG	CC	1940368627
SNP_P1_119008_45896360	NC_021165.1	Ca_kabuli_chr06	45896360	AA	CC	1940368629
SNP_P1_119009_45896661	NC_021165.1	Ca_kabuli_chr06	45896661	AA	GG	1940368630
SNP_P1_119010_45912971	NC_021165.1	Ca_kabuli_chr06	45912971	AA	GG	1940368632
SNP_P1_119012_45924974	NC_021165.1	Ca_kabuli_chr06	45924974	AA	GG	1940368634
SNP_P1_119013_45925003	NC_021165.1	Ca_kabuli_chr06	45925003	TT	CC	1940368636
SNP_P1_119014_45925368	NC_021165.1	Ca_kabuli_chr06	45925368	TT	CC	1940368638
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SNP_P1_119016_45949130	NC_021165.1	Ca_kabuli_chr06	45949130	TT	AA	1940368641
SNP_P1_119017_45949194	NC_021165.1	Ca_kabuli_chr06	45949194	GG	AA	1940368643
SNP_P1_119018_45951278	NC_021165.1	Ca_kabuli_chr06	45951278	TT	CC	1940368645
SNP_P1_119019_45958116	NC_021165.1	Ca_kabuli_chr06	45958116	TT	CC	1940368646
SNP_P1_119020_45960452	NC_021165.1	Ca_kabuli_chr06	45960452	TT	AA	1940368648
SNP_P1_119021_45960454	NC_021165.1	Ca_kabuli_chr06	45960454	TT	CC	1940368650

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119024_45971145	NC_021165.1	Ca_kabuli_chr06	45971145	AA	CC	1940368655
SNP_P1_119025_45999374	NC_021165.1	Ca_kabuli_chr06	45999374	TT	CC	1940368657
SNP_P1_119026_45999631	NC_021165.1	Ca_kabuli_chr06	45999631	AA	GG	1940368659
SNP_P1_119027_45999636	NC_021165.1	Ca_kabuli_chr06	45999636	AA	GG	1940368660
SNP_P1_119028_45999653	NC_021165.1	Ca_kabuli_chr06	45999653	AA	TT	1940368662
SNP_P1_119029_45999690	NC_021165.1	Ca_kabuli_chr06	45999690	AA	CC	1940368664
SNP_P1_119030_45999844	NC_021165.1	Ca_kabuli_chr06	45999844	AA	GG	1940368666
SNP_P1_119031_46000155	NC_021165.1	Ca_kabuli_chr06	46000155	CC	TT	1940368667
SNP_P1_119032_46003011	NC_021165.1	Ca_kabuli_chr06	46003011	TT	CC	1940368669
SNP_P1_119033_46006543	NC_021165.1	Ca_kabuli_chr06	46006543	CC	TT	1940368671
SNP_P1_119034_46006545	NC_021165.1	Ca_kabuli_chr06	46006545	TT	AA	1940368673
SNP_P1_119035_46009450	NC_021165.1	Ca_kabuli_chr06	46009450	AA	TT	1940368674
SNP_P1_119036_46009481	NC_021165.1	Ca_kabuli_chr06	46009481	AA	GG	1940368676
SNP_P1_119037_46009493	NC_021165.1	Ca_kabuli_chr06	46009493	AA	TT	1940368678
SNP_P1_119038_46015447	NC_021165.1	Ca_kabuli_chr06	46015447	CC	TT	1940368680
SNP_P1_119040_46027954	NC_021165.1	Ca_kabuli_chr06	46027954	CC	TT	1940368681
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SNP_P1_119044_46031890	NC_021165.1	Ca_kabuli_chr06	46031890	GG	TT	1940368687
SNP_P1_119045_46031897	NC_021165.1	Ca_kabuli_chr06	46031897	GG	AA	1940368688
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SNP_P1_119050_46035779	NC_021165.1	Ca_kabuli_chr06	46035779	AA	CC	1940368696
SNP_P1_119051_46035883	NC_021165.1	Ca_kabuli_chr06	46035883	GG	AA	1940368697
SNP_P1_119052_46036150	NC_021165.1	Ca_kabuli_chr06	46036150	GG	AA	1940368699
SNP_P1_119053_46036175	NC_021165.1	Ca_kabuli_chr06	46036175	CC	TT	1940368701
SNP_P1_119054_46036212	NC_021165.1	Ca_kabuli_chr06	46036212	GG	AA	1940368703
SNP_P1_119055_46036249	NC_021165.1	Ca_kabuli_chr06	46036249	AA	GG	1940368704
SNP_P1_119056_46051053	NC_021165.1	Ca_kabuli_chr06	46051053	AA	GG	1940368706
SNP_P1_119057_46051054	NC_021165.1	Ca_kabuli_chr06	46051054	AA	GG	1940368708
SNP_P1_119058_46068942	NC_021165.1	Ca_kabuli_chr06	46068942	AA	GG	1940368710
SNP_P1_119059_46069158	NC_021165.1	Ca_kabuli_chr06	46069158	GG	TT	1940368711
SNP_P1_119060_46084442	NC_021165.1	Ca_kabuli_chr06	46084442	TT	CC	1940368713
SNP_P1_119061_46084745	NC_021165.1	Ca_kabuli_chr06	46084745	AA	TT	1940368715
SNP_P1_119062_46112923	NC_021165.1	Ca_kabuli_chr06	46112923	GG	AA	1940368717
SNP_P1_119063_46116863	NC_021165.1	Ca_kabuli_chr06	46116863	TT	CC	1940368718
SNP_P1_119064_46116957	NC_021165.1	Ca_kabuli_chr06	46116957	AA	GG	1940368720
SNP_P1_119065_46117122	NC_021165.1	Ca_kabuli_chr06	46117122	AA	GG	1940368722
SNP_P1_119066_46118987	NC_021165.1	Ca_kabuli_chr06	46118987	TT	CC	1940368724

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119071_46148769	NC_021165.1	Ca_kabuli_chr06	46148769	AA	GG	1940368727
SNP_P1_119072_46150144	NC_021165.1	Ca_kabuli_chr06	46150144	CC	TT	1940368729
SNP_P1_119073_46152445	NC_021165.1	Ca_kabuli_chr06	46152445	AA	TT	1940368731
SNP_P1_119074_46163499	NC_021165.1	Ca_kabuli_chr06	46163499	AA	CC	1940368732
SNP_P1_119075_46163512	NC_021165.1	Ca_kabuli_chr06	46163512	GG	CC	1940368734
SNP_P1_119077_46164438	NC_021165.1	Ca_kabuli_chr06	46164438	AA	GG	1940368736
SNP_P1_119078_46164533	NC_021165.1	Ca_kabuli_chr06	46164533	GG	TT	1940368738
SNP_P1_119079_46164743	NC_021165.1	Ca_kabuli_chr06	46164743	TT	CC	1940368739
SNP_P1_119080_46164755	NC_021165.1	Ca_kabuli_chr06	46164755	GG	TT	1940368741
SNP_P1_119081_46164775	NC_021165.1	Ca_kabuli_chr06	46164775	AA	CC	1940368743
SNP_P1_119082_46164790	NC_021165.1	Ca_kabuli_chr06	46164790	GG	CC	1940368745
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SNP_P1_119084_46164892	NC_021165.1	Ca_kabuli_chr06	46164892	AA	CC	1940368748
SNP_P1_119085_46169672	NC_021165.1	Ca_kabuli_chr06	46169672	AA	TT	1940368750
SNP_P1_119086_46180724	NC_021165.1	Ca_kabuli_chr06	46180724	TT	CC	1940368752
SNP_P1_119087_46180738	NC_021165.1	Ca_kabuli_chr06	46180738	TT	CC	1940368754
SNP_P1_119088_46180746	NC_021165.1	Ca_kabuli_chr06	46180746	TT	AA	1940368755
SNP_P1_119089_46180750	NC_021165.1	Ca_kabuli_chr06	46180750	AA	GG	1940368757
SNP_P1_119090_46180766	NC_021165.1	Ca_kabuli_chr06	46180766	TT	CC	1940368759
SNP_P1_119091_46181062	NC_021165.1	Ca_kabuli_chr06	46181062	CC	TT	1940368761
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SNP_P1_119093_46181102	NC_021165.1	Ca_kabuli_chr06	46181102	GG	TT	1940368764
SNP_P1_119094_46186996	NC_021165.1	Ca_kabuli_chr06	46186996	AA	GG	1940368766
SNP_P1_119095_46187032	NC_021165.1	Ca_kabuli_chr06	46187032	AA	GG	1940368768
SNP_P1_119096_46187057	NC_021165.1	Ca_kabuli_chr06	46187057	GG	CC	1940368769
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SNP_P1_119100_46203199	NC_021165.1	Ca_kabuli_chr06	46203199	AA	GG	1940368775
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SNP_P1_119103_46218798	NC_021165.1	Ca_kabuli_chr06	46218798	GG	AA	1940368780
SNP_P1_119104_46218839	NC_021165.1	Ca_kabuli_chr06	46218839	TT	CC	1940368782
SNP_P1_119105_46311695	NC_021165.1	Ca_kabuli_chr06	46311695	GG	AA	1940368783
SNP_P1_119106_46313110	NC_021165.1	Ca_kabuli_chr06	46313110	TT	CC	1940368785
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SNP_P1_119108_46317414	NC_021165.1	Ca_kabuli_chr06	46317414	TT	CC	1940368789
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SNP_P1_119110_46335763	NC_021165.1	Ca_kabuli_chr06	46335763	TT	CC	1940368792
SNP_P1_119111_46343834	NC_021165.1	Ca_kabuli_chr06	46343834	CC	TT	1940368794
SNP_P1_119112_46346263	NC_021165.1	Ca_kabuli_chr06	46346263	GG	AA	1940368796
SNP_P1_119113_46346477	NC_021165.1	Ca_kabuli_chr06	46346477	AA	GG	1940368798

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119117_46346636	NC_021165.1	Ca_kabuli_chr06	46346636	AA	GG	1940368803
SNP_P1_119118_46346689	NC_021165.1	Ca_kabuli_chr06	46346689	TT	CC	1940368805
SNP_P1_119119_46346854	NC_021165.1	Ca_kabuli_chr06	46346854	TT	CC	1940368806
SNP_P1_119120_46351997	NC_021165.1	Ca_kabuli_chr06	46351997	AA	GG	1940368808
SNP_P1_119121_46351999	NC_021165.1	Ca_kabuli_chr06	46351999	GG	AA	1940368810
SNP_P1_119122_46352003	NC_021165.1	Ca_kabuli_chr06	46352003	AA	GG	1940368812
SNP_P1_119123_46352019	NC_021165.1	Ca_kabuli_chr06	46352019	GG	AA	1940368813
SNP_P1_119124_46352176	NC_021165.1	Ca_kabuli_chr06	46352176	GG	AA	1940368815
SNP_P1_119125_46352181	NC_021165.1	Ca_kabuli_chr06	46352181	GG	AA	1940368817
SNP_P1_119126_46352212	NC_021165.1	Ca_kabuli_chr06	46352212	CC	AA	1940368819
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SNP_P1_119128_46354397	NC_021165.1	Ca_kabuli_chr06	46354397	AA	GG	1940368822
SNP_P1_119129_46354673	NC_021165.1	Ca_kabuli_chr06	46354673	GG	AA	1940368824
SNP_P1_119130_46354700	NC_021165.1	Ca_kabuli_chr06	46354700	AA	GG	1940368826
SNP_P1_119131_46354886	NC_021165.1	Ca_kabuli_chr06	46354886	TT	AA	1940368827
SNP_P1_119132_46354906	NC_021165.1	Ca_kabuli_chr06	46354906	CC	TT	1940368829
SNP_P1_119133_46354930	NC_021165.1	Ca_kabuli_chr06	46354930	TT	CC	1940368831
SNP_P1_119134_46354937	NC_021165.1	Ca_kabuli_chr06	46354937	TT	AA	1940368833
SNP_P1_119135_46365987	NC_021165.1	Ca_kabuli_chr06	46365987	TT	CC	1940368834
SNP_P1_119136_46366337	NC_021165.1	Ca_kabuli_chr06	46366337	GG	AA	1940368836
SNP_P1_119137_46368078	NC_021165.1	Ca_kabuli_chr06	46368078	TT	CC	1940368838
SNP_P1_119138_46368873	NC_021165.1	Ca_kabuli_chr06	46368873	AA	GG	1940368840
SNP_P1_119139_46368965	NC_021165.1	Ca_kabuli_chr06	46368965	GG	AA	1940368841
SNP_P1_119140_46369159	NC_021165.1	Ca_kabuli_chr06	46369159	GG	CC	1940368843
SNP_P1_119141_46369221	NC_021165.1	Ca_kabuli_chr06	46369221	AA	CC	1940368845
SNP_P1_119142_46369314	NC_021165.1	Ca_kabuli_chr06	46369314	TT	CC	1940368847
SNP_P1_119143_46369442	NC_021165.1	Ca_kabuli_chr06	46369442	AA	GG	1940368848
SNP_P1_119144_46369509	NC_021165.1	Ca_kabuli_chr06	46369509	AA	GG	1940368850
SNP_P1_119145_46369548	NC_021165.1	Ca_kabuli_chr06	46369548	TT	CC	1940368852
SNP_P1_119146_46369584	NC_021165.1	Ca_kabuli_chr06	46369584	AA	CC	1940368854
SNP_P1_119147_46369801	NC_021165.1	Ca_kabuli_chr06	46369801	AA	GG	1940368856
SNP_P1_119148_46385492	NC_021165.1	Ca_kabuli_chr06	46385492	CC	AA	1940368857
SNP_P1_119149_46385723	NC_021165.1	Ca_kabuli_chr06	46385723	GG	AA	1940368859
SNP_P1_119150_46385816	NC_021165.1	Ca_kabuli_chr06	46385816	CC	TT	1940368861
SNP_P1_119151_46385918	NC_021165.1	Ca_kabuli_chr06	46385918	AA	TT	1940368863
SNP_P1_119152_46385934	NC_021165.1	Ca_kabuli_chr06	46385934	GG	CC	1940368864
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SNP_P1_119154_46388400	NC_021165.1	Ca_kabuli_chr06	46388400	TT	AA	1940368868
SNP_P1_119155_46388446	NC_021165.1	Ca_kabuli_chr06	46388446	AA	TT	1940368870
SNP_P1_119156_46388462	NC_021165.1	Ca_kabuli_chr06	46388462	AA	CC	1940368871

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119158_46388613	NC_021165.1	Ca_kabuli_chr06	46388613	CC	TT	1940368875
SNP_P1_119159_46390954	NC_021165.1	Ca_kabuli_chr06	46390954	TT	GG	1940368877
SNP_P1_119160_46390991	NC_021165.1	Ca_kabuli_chr06	46390991	AA	TT	1940368878
SNP_P1_119161_46391002	NC_021165.1	Ca_kabuli_chr06	46391002	TT	AA	1940368880
SNP_P1_119162_46391031	NC_021165.1	Ca_kabuli_chr06	46391031	TT	AA	1940368882
SNP_P1_119163_46391033	NC_021165.1	Ca_kabuli_chr06	46391033	GG	AA	1940368884
SNP_P1_119164_46391073	NC_021165.1	Ca_kabuli_chr06	46391073	AA	CC	1940368885
SNP_P1_119165_46391202	NC_021165.1	Ca_kabuli_chr06	46391202	GG	TT	1940368887
SNP_P1_119166_46391222	NC_021165.1	Ca_kabuli_chr06	46391222	CC	TT	1940368889
SNP_P1_119167_46391249	NC_021165.1	Ca_kabuli_chr06	46391249	AA	TT	1940368891
SNP_P1_119168_46391259	NC_021165.1	Ca_kabuli_chr06	46391259	TT	AA	1940368892
SNP_P1_119169_46391359	NC_021165.1	Ca_kabuli_chr06	46391359	GG	AA	1940368894
SNP_P1_119170_46391361	NC_021165.1	Ca_kabuli_chr06	46391361	TT	CC	1940368896
SNP_P1_119171_46391429	NC_021165.1	Ca_kabuli_chr06	46391429	AA	GG	1940368898
SNP_P1_119172_46391435	NC_021165.1	Ca_kabuli_chr06	46391435	AA	TT	1940368899
SNP_P1_119173_46391436	NC_021165.1	Ca_kabuli_chr06	46391436	TT	CC	1940368901
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SNP_P1_119178_46391602	NC_021165.1	Ca_kabuli_chr06	46391602	AA	GG	1940368908
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SNP_P1_119180_46391691	NC_021165.1	Ca_kabuli_chr06	46391691	GG	AA	1940368912
SNP_P1_119181_46391720	NC_021165.1	Ca_kabuli_chr06	46391720	TT	AA	1940368913
SNP_P1_119182_46391852	NC_021165.1	Ca_kabuli_chr06	46391852	TT	CC	1940368915
SNP_P1_119183_46391868	NC_021165.1	Ca_kabuli_chr06	46391868	TT	GG	1940368917
SNP_P1_119184_46394550	NC_021165.1	Ca_kabuli_chr06	46394550	GG	AA	1940368919
SNP_P1_119185_46398611	NC_021165.1	Ca_kabuli_chr06	46398611	CC	GG	1940368921
SNP_P1_119186_46398626	NC_021165.1	Ca_kabuli_chr06	46398626	CC	AA	1940368922
SNP_P1_119187_46398629	NC_021165.1	Ca_kabuli_chr06	46398629	CC	AA	1940368924
SNP_P1_119188_46399691	NC_021165.1	Ca_kabuli_chr06	46399691	TT	CC	1940368926
SNP_P1_119189_46399701	NC_021165.1	Ca_kabuli_chr06	46399701	TT	CC	1940368928
SNP_P1_119190_46399725	NC_021165.1	Ca_kabuli_chr06	46399725	AA	GG	1940368929
SNP_P1_119191_46399742	NC_021165.1	Ca_kabuli_chr06	46399742	TT	GG	1940368931
SNP_P1_119192_46399871	NC_021165.1	Ca_kabuli_chr06	46399871	AA	GG	1940368933
SNP_P1_119193_46399888	NC_021165.1	Ca_kabuli_chr06	46399888	TT	CC	1940368935
SNP_P1_119194_46399925	NC_021165.1	Ca_kabuli_chr06	46399925	CC	TT	1940368936
SNP_P1_119195_46399935	NC_021165.1	Ca_kabuli_chr06	46399935	GG	AA	1940368938
SNP_P1_119196_46400082	NC_021165.1	Ca_kabuli_chr06	46400082	AA	GG	1940368940
SNP_P1_119197_46400146	NC_021165.1	Ca_kabuli_chr06	46400146	AA	GG	1940368942
SNP_P1_119198_46403412	NC_021165.1	Ca_kabuli_chr06	46403412	GG	AA	1940368943
SNP_P1_119199_46411241	NC_021165.1	Ca_kabuli_chr06	46411241	AA	GG	1940368945

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119201_46425237	NC_021165.1	Ca_kabuli_chr06	46425237	AA	TT	1940368949
SNP_P1_119202_46425242	NC_021165.1	Ca_kabuli_chr06	46425242	GG	AA	1940368950
SNP_P1_119203_46438316	NC_021165.1	Ca_kabuli_chr06	46438316	CC	AA	1940368952
SNP_P1_119204_46449768	NC_021165.1	Ca_kabuli_chr06	46449768	CC	TT	1940368954
SNP_P1_119205_46449820	NC_021165.1	Ca_kabuli_chr06	46449820	AA	GG	1940368956
SNP_P1_119206_46475466	NC_021165.1	Ca_kabuli_chr06	46475466	CC	TT	1940368957
SNP_P1_119207_46489134	NC_021165.1	Ca_kabuli_chr06	46489134	CC	TT	1940368959
SNP_P1_119208_46504594	NC_021165.1	Ca_kabuli_chr06	46504594	GG	AA	1940368961
SNP_P1_119209_46506385	NC_021165.1	Ca_kabuli_chr06	46506385	GG	AA	1940368963
SNP_P1_119210_46506387	NC_021165.1	Ca_kabuli_chr06	46506387	CC	TT	1940368964
SNP_P1_119211_46506768	NC_021165.1	Ca_kabuli_chr06	46506768	TT	CC	1940368966
SNP_P1_119212_46506780	NC_021165.1	Ca_kabuli_chr06	46506780	AA	GG	1940368968
SNP_P1_119213_46508774	NC_021165.1	Ca_kabuli_chr06	46508774	CC	AA	1940368970
SNP_P1_119214_46508993	NC_021165.1	Ca_kabuli_chr06	46508993	AA	GG	1940368972
SNP_P1_119215_46509056	NC_021165.1	Ca_kabuli_chr06	46509056	TT	CC	1940368973
SNP_P1_119216_46509358	NC_021165.1	Ca_kabuli_chr06	46509358	GG	AA	1940368975
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SNP_P1_119218_46509362	NC_021165.1	Ca_kabuli_chr06	46509362	CC	AA	1940368979
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SNP_P1_119224_46535472	NC_021165.1	Ca_kabuli_chr06	46535472	TT	AA	1940368984
SNP_P1_119225_46547359	NC_021165.1	Ca_kabuli_chr06	46547359	AA	CC	1940368986
SNP_P1_119227_46569723	NC_021165.1	Ca_kabuli_chr06	46569723	AA	GG	1940368987
SNP_P1_119228_46592169	NC_021165.1	Ca_kabuli_chr06	46592169	CC	AA	1940368989
SNP_P1_119229_46592176	NC_021165.1	Ca_kabuli_chr06	46592176	AA	GG	1940368991
SNP_P1_119230_46605893	NC_021165.1	Ca_kabuli_chr06	46605893	CC	TT	1940368993
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SNP_P1_119232_46634406	NC_021165.1	Ca_kabuli_chr06	46634406	GG	TT	1940368996
SNP_P1_119233_46634411	NC_021165.1	Ca_kabuli_chr06	46634411	GG	TT	1940368998
SNP_P1_119234_46634589	NC_021165.1	Ca_kabuli_chr06	46634589	TT	AA	1940369000
SNP_P1_119235_46634590	NC_021165.1	Ca_kabuli_chr06	46634590	TT	CC	1940369001
SNP_P1_119236_46637147	NC_021165.1	Ca_kabuli_chr06	46637147	TT	CC	1940369003
SNP_P1_119237_46673218	NC_021165.1	Ca_kabuli_chr06	46673218	TT	AA	1940369005
SNP_P1_119238_46675073	NC_021165.1	Ca_kabuli_chr06	46675073	CC	TT	1940369007
SNP_P1_119239_46675089	NC_021165.1	Ca_kabuli_chr06	46675089	CC	TT	1940369008
SNP_P1_119240_46675170	NC_021165.1	Ca_kabuli_chr06	46675170	TT	CC	1940369010
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SNP_P1_119243_46683532	NC_021165.1	Ca_kabuli_chr06	46683532	AA	GG	1940369015
SNP_P1_119244_46683969	NC_021165.1	Ca_kabuli_chr06	46683969	GG	AA	1940369017
SNP_P1_119245_46689973	NC_021165.1	Ca_kabuli_chr06	46689973	CC	TT	1940369019

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119248_46690053	NC_021165.1	Ca_kabuli_chr06	46690053	CC	GG	1940369024
SNP_P1_119249_46690069	NC_021165.1	Ca_kabuli_chr06	46690069	GG	AA	1940369026
SNP_P1_119250_46690086	NC_021165.1	Ca_kabuli_chr06	46690086	CC	TT	1940369028
SNP_P1_119251_46690182	NC_021165.1	Ca_kabuli_chr06	46690182	AA	GG	1940369030
SNP_P1_119252_46690258	NC_021165.1	Ca_kabuli_chr06	46690258	TT	GG	1940369031
SNP_P1_119253_46690275	NC_021165.1	Ca_kabuli_chr06	46690275	CC	TT	1940369033
SNP_P1_119254_46690333	NC_021165.1	Ca_kabuli_chr06	46690333	AA	GG	1940369035
SNP_P1_119255_46690335	NC_021165.1	Ca_kabuli_chr06	46690335	AA	GG	1940369037
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SNP_P1_119261_46690502	NC_021165.1	Ca_kabuli_chr06	46690502	TT	CC	1940369047
SNP_P1_119263_46707007	NC_021165.1	Ca_kabuli_chr06	46707007	GG	AA	1940369049
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SNP_P1_119275_46772896	NC_021165.1	Ca_kabuli_chr06	46772896	AA	GG	1940369070
SNP_P1_119276_46772917	NC_021165.1	Ca_kabuli_chr06	46772917	CC	TT	1940369072
SNP_P1_119278_46773997	NC_021165.1	Ca_kabuli_chr06	46773997	TT	CC	1940369073
SNP_P1_119279_46779478	NC_021165.1	Ca_kabuli_chr06	46779478	GG	AA	1940369075
SNP_P1_119281_46789806	NC_021165.1	Ca_kabuli_chr06	46789806	CC	TT	1940369077
SNP_P1_119282_46789812	NC_021165.1	Ca_kabuli_chr06	46789812	TT	AA	1940369079
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SNP_P1_119295_46896889	NC_021165.1	Ca_kabuli_chr06	46896889	CC	TT	1940369089
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SNP_P1_119297_46896910	NC_021165.1	Ca_kabuli_chr06	46896910	AA	CC	1940369093

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119300_46896958	NC_021165.1	Ca_kabuli_chr06	46896958	CC	TT	1940369098
SNP_P1_119301_46897044	NC_021165.1	Ca_kabuli_chr06	46897044	CC	GG	1940369100
SNP_P1_119302_46897710	NC_021165.1	Ca_kabuli_chr06	46897710	AA	GG	1940369102
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SNP_P1_119314_46964503	NC_021165.1	Ca_kabuli_chr06	46964503	AA	GG	1940369123
SNP_P1_119315_46978259	NC_021165.1	Ca_kabuli_chr06	46978259	AA	TT	1940369124
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SNP_P1_119327_47001167	NC_021165.1	Ca_kabuli_chr06	47001167	CC	GG	1940369144
SNP_P1_119328_47002237	NC_021165.1	Ca_kabuli_chr06	47002237	CC	TT	1940369145
SNP_P1_119329_47002291	NC_021165.1	Ca_kabuli_chr06	47002291	GG	AA	1940369147
SNP_P1_119330_47002522	NC_021165.1	Ca_kabuli_chr06	47002522	CC	AA	1940369149
SNP_P1_119331_47003980	NC_021165.1	Ca_kabuli_chr06	47003980	AA	TT	1940369151
SNP_P1_119332_47003983	NC_021165.1	Ca_kabuli_chr06	47003983	TT	CC	1940369152
SNP_P1_119333_47005113	NC_021165.1	Ca_kabuli_chr06	47005113	TT	CC	1940369154
SNP_P1_119334_47029938	NC_021165.1	Ca_kabuli_chr06	47029938	GG	AA	1940369156
SNP_P1_119335_47033465	NC_021165.1	Ca_kabuli_chr06	47033465	TT	CC	1940369158
SNP_P1_119338_47061482	NC_021165.1	Ca_kabuli_chr06	47061482	CC	TT	1940369160
SNP_P1_119339_47073187	NC_021165.1	Ca_kabuli_chr06	47073187	AA	TT	1940369161
SNP_P1_119340_47073903	NC_021165.1	Ca_kabuli_chr06	47073903	CC	AA	1940369163
SNP_P1_119341_47093709	NC_021165.1	Ca_kabuli_chr06	47093709	GG	AA	1940369165
SNP_P1_119342_47115648	NC_021165.1	Ca_kabuli_chr06	47115648	GG	TT	1940369167

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119345_47141203	NC_021165.1	Ca_kabuli_chr06	47141203	CC	TT	1940369170
SNP_P1_119347_47148751	NC_021165.1	Ca_kabuli_chr06	47148751	AA	CC	1940369172
SNP_P1_119348_47148769	NC_021165.1	Ca_kabuli_chr06	47148769	GG	AA	1940369174
SNP_P1_119349_47149056	NC_021165.1	Ca_kabuli_chr06	47149056	AA	CC	1940369175
SNP_P1_119350_47149086	NC_021165.1	Ca_kabuli_chr06	47149086	AA	GG	1940369177
SNP_P1_119351_47149096	NC_021165.1	Ca_kabuli_chr06	47149096	AA	CC	1940369179
SNP_P1_119352_47149099	NC_021165.1	Ca_kabuli_chr06	47149099	GG	CC	1940369181
SNP_P1_119354_47149161	NC_021165.1	Ca_kabuli_chr06	47149161	TT	CC	1940369182
SNP_P1_119355_47149205	NC_021165.1	Ca_kabuli_chr06	47149205	CC	AA	1940369184
SNP_P1_119356_47149224	NC_021165.1	Ca_kabuli_chr06	47149224	TT	CC	1940369186
SNP_P1_119357_47149237	NC_021165.1	Ca_kabuli_chr06	47149237	TT	AA	1940369188
SNP_P1_119358_47149285	NC_021165.1	Ca_kabuli_chr06	47149285	CC	TT	1940369189
SNP_P1_119359_47151270	NC_021165.1	Ca_kabuli_chr06	47151270	AA	CC	1940369191
SNP_P1_119360_47151284	NC_021165.1	Ca_kabuli_chr06	47151284	AA	GG	1940369193
SNP_P1_119361_47151331	NC_021165.1	Ca_kabuli_chr06	47151331	GG	AA	1940369195
SNP_P1_119362_47151334	NC_021165.1	Ca_kabuli_chr06	47151334	AA	GG	1940369196
SNP_P1_119363_47151353	NC_021165.1	Ca_kabuli_chr06	47151353	TT	GG	1940369198
SNP_P1_119364_47151595	NC_021165.1	Ca_kabuli_chr06	47151595	AA	GG	1940369200
SNP_P1_119365_47151738	NC_021165.1	Ca_kabuli_chr06	47151738	AA	GG	1940369202
SNP_P1_119366_47186997	NC_021165.1	Ca_kabuli_chr06	47186997	GG	AA	1940369203
SNP_P1_119367_47204025	NC_021165.1	Ca_kabuli_chr06	47204025	GG	AA	1940369205
SNP_P1_119368_47209713	NC_021165.1	Ca_kabuli_chr06	47209713	GG	TT	1940369207
SNP_P1_119369_47209888	NC_021165.1	Ca_kabuli_chr06	47209888	TT	CC	1940369209
SNP_P1_119370_47209895	NC_021165.1	Ca_kabuli_chr06	47209895	GG	TT	1940369211
SNP_P1_119371_47209910	NC_021165.1	Ca_kabuli_chr06	47209910	TT	GG	1940369212
SNP_P1_119372_47209986	NC_021165.1	Ca_kabuli_chr06	47209986	CC	TT	1940369214
SNP_P1_119373_47210005	NC_021165.1	Ca_kabuli_chr06	47210005	CC	TT	1940369216
SNP_P1_119374_47210028	NC_021165.1	Ca_kabuli_chr06	47210028	AA	GG	1940369218
SNP_P1_119375_47217126	NC_021165.1	Ca_kabuli_chr06	47217126	GG	TT	1940369219
SNP_P1_119376_47219968	NC_021165.1	Ca_kabuli_chr06	47219968	TT	CC	1940369221
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SNP_P1_119381_47259793	NC_021165.1	Ca_kabuli_chr06	47259793	GG	AA	1940369228
SNP_P1_119382_47259998	NC_021165.1	Ca_kabuli_chr06	47259998	AA	GG	1940369230
SNP_P1_119383_47260201	NC_021165.1	Ca_kabuli_chr06	47260201	AA	GG	1940369232
SNP_P1_119384_47260222	NC_021165.1	Ca_kabuli_chr06	47260222	GG	AA	1940369233
SNP_P1_119385_47260281	NC_021165.1	Ca_kabuli_chr06	47260281	TT	CC	1940369235
SNP_P1_119386_47260299	NC_021165.1	Ca_kabuli_chr06	47260299	AA	GG	1940369237
SNP_P1_119387_47262210	NC_021165.1	Ca_kabuli_chr06	47262210	AA	TT	1940369239
SNP_P1_119388_47267699	NC_021165.1	Ca_kabuli_chr06	47267699	AA	GG	1940369240

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119391_47268177	NC_021165.1	Ca_kabuli_chr06	47268177	TT	AA	1940369246
SNP_P1_119392_47268179	NC_021165.1	Ca_kabuli_chr06	47268179	AA	CC	1940369247
SNP_P1_119393_47268216	NC_021165.1	Ca_kabuli_chr06	47268216	TT	GG	1940369249
SNP_P1_119394_47297717	NC_021165.1	Ca_kabuli_chr06	47297717	TT	GG	1940369251
SNP_P1_119396_47301014	NC_021165.1	Ca_kabuli_chr06	47301014	CC	GG	1940369253
SNP_P1_119397_47312017	NC_021165.1	Ca_kabuli_chr06	47312017	TT	CC	1940369254
SNP_P1_119398_47312020	NC_021165.1	Ca_kabuli_chr06	47312020	AA	GG	1940369256
SNP_P1_119399_47312042	NC_021165.1	Ca_kabuli_chr06	47312042	CC	AA	1940369258
SNP_P1_119400_47312267	NC_021165.1	Ca_kabuli_chr06	47312267	AA	GG	1940369260
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SNP_P1_119403_47312527	NC_021165.1	Ca_kabuli_chr06	47312527	AA	TT	1940369263
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SNP_P1_119405_47312551	NC_021165.1	Ca_kabuli_chr06	47312551	TT	AA	1940369267
SNP_P1_119406_47312562	NC_021165.1	Ca_kabuli_chr06	47312562	AA	GG	1940369269
SNP_P1_119407_47312580	NC_021165.1	Ca_kabuli_chr06	47312580	CC	TT	1940369270
SNP_P1_119408_47312595	NC_021165.1	Ca_kabuli_chr06	47312595	CC	TT	1940369272
SNP_P1_119409_47312599	NC_021165.1	Ca_kabuli_chr06	47312599	GG	AA	1940369274
SNP_P1_119410_47312646	NC_021165.1	Ca_kabuli_chr06	47312646	GG	AA	1940369276
SNP_P1_119411_47320067	NC_021165.1	Ca_kabuli_chr06	47320067	CC	TT	1940369277
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SNP_P1_119414_47361065	NC_021165.1	Ca_kabuli_chr06	47361065	AA	TT	1940369281
SNP_P1_119415_47382727	NC_021165.1	Ca_kabuli_chr06	47382727	TT	CC	1940369283
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SNP_P1_119419_47456129	NC_021165.1	Ca_kabuli_chr06	47456129	CC	GG	1940369286
SNP_P1_119420_47461232	NC_021165.1	Ca_kabuli_chr06	47461232	AA	GG	1940369288
SNP_P1_119421_47461283	NC_021165.1	Ca_kabuli_chr06	47461283	GG	AA	1940369290
SNP_P1_119422_47461412	NC_021165.1	Ca_kabuli_chr06	47461412	AA	CC	1940369291
SNP_P1_119423_47461870	NC_021165.1	Ca_kabuli_chr06	47461870	TT	AA	1940369293
SNP_P1_119424_47461894	NC_021165.1	Ca_kabuli_chr06	47461894	AA	CC	1940369295
SNP_P1_119425_47461906	NC_021165.1	Ca_kabuli_chr06	47461906	GG	AA	1940369297
SNP_P1_119426_47461915	NC_021165.1	Ca_kabuli_chr06	47461915	GG	AA	1940369299
SNP_P1_119428_47469363	NC_021165.1	Ca_kabuli_chr06	47469363	TT	CC	1940369300
SNP_P1_119430_47504431	NC_021165.1	Ca_kabuli_chr06	47504431	AA	GG	1940369302
SNP_P1_119431_47504908	NC_021165.1	Ca_kabuli_chr06	47504908	CC	TT	1940369304
SNP_P1_119432_47504911	NC_021165.1	Ca_kabuli_chr06	47504911	GG	TT	1940369306
SNP_P1_119433_47504981	NC_021165.1	Ca_kabuli_chr06	47504981	AA	GG	1940369307
SNP_P1_119434_47505000	NC_021165.1	Ca_kabuli_chr06	47505000	GG	AA	1940369309
SNP_P1_119435_47505126	NC_021165.1	Ca_kabuli_chr06	47505126	TT	GG	1940369311
SNP_P1_119436_47506259	NC_021165.1	Ca_kabuli_chr06	47506259	CC	TT	1940369313
SNP_P1_119439_47541395	NC_021165.1	Ca_kabuli_chr06	47541395	AA	GG	1940369314

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119441_47563102	NC_021165.1	Ca_kabuli_chr06	47563102	AA	TT	1940369318
SNP_P1_119442_47571056	NC_021165.1	Ca_kabuli_chr06	47571056	CC	AA	1940369320
SNP_P1_119443_47580946	NC_021165.1	Ca_kabuli_chr06	47580946	CC	TT	1940369321
SNP_P1_119444_47587118	NC_021165.1	Ca_kabuli_chr06	47587118	AA	TT	1940369323
SNP_P1_119445_47587127	NC_021165.1	Ca_kabuli_chr06	47587127	TT	CC	1940369325
SNP_P1_119446_47587134	NC_021165.1	Ca_kabuli_chr06	47587134	AA	TT	1940369327
SNP_P1_119447_47588138	NC_021165.1	Ca_kabuli_chr06	47588138	AA	CC	1940369328
SNP_P1_119448_47600903	NC_021165.1	Ca_kabuli_chr06	47600903	CC	AA	1940369330
SNP_P1_119451_47616872	NC_021165.1	Ca_kabuli_chr06	47616872	AA	GG	1940369332
SNP_P1_119452_47617206	NC_021165.1	Ca_kabuli_chr06	47617206	GG	AA	1940369334
SNP_P1_119454_47619260	NC_021165.1	Ca_kabuli_chr06	47619260	GG	AA	1940369336
SNP_P1_119455_47621925	NC_021165.1	Ca_kabuli_chr06	47621925	TT	GG	1940369337
SNP_P1_119456_47621979	NC_021165.1	Ca_kabuli_chr06	47621979	GG	AA	1940369339
SNP_P1_119457_47622022	NC_021165.1	Ca_kabuli_chr06	47622022	GG	AA	1940369341
SNP_P1_119458_47622244	NC_021165.1	Ca_kabuli_chr06	47622244	CC	GG	1940369343
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SNP_P1_119460_47622281	NC_021165.1	Ca_kabuli_chr06	47622281	AA	CC	1940369346
SNP_P1_119461_47622282	NC_021165.1	Ca_kabuli_chr06	47622282	AA	GG	1940369348
SNP_P1_119462_47622384	NC_021165.1	Ca_kabuli_chr06	47622384	TT	GG	1940369350
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SNP_P1_119467_47647483	NC_021165.1	Ca_kabuli_chr06	47647483	TT	AA	1940369357
SNP_P1_119468_47647504	NC_021165.1	Ca_kabuli_chr06	47647504	AA	GG	1940369358
SNP_P1_119469_47647797	NC_021165.1	Ca_kabuli_chr06	47647797	GG	AA	1940369360
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SNP_P1_119472_47649291	NC_021165.1	Ca_kabuli_chr06	47649291	CC	TT	1940369365
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SNP_P1_119474_47657141	NC_021165.1	Ca_kabuli_chr06	47657141	GG	TT	1940369369
SNP_P1_119475_47657147	NC_021165.1	Ca_kabuli_chr06	47657147	AA	CC	1940369371
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SNP_P1_119478_47675696	NC_021165.1	Ca_kabuli_chr06	47675696	TT	GG	1940369376
SNP_P1_119479_47675732	NC_021165.1	Ca_kabuli_chr06	47675732	TT	CC	1940369378
SNP_P1_119480_47675737	NC_021165.1	Ca_kabuli_chr06	47675737	CC	TT	1940369380
SNP_P1_119481_47675816	NC_021165.1	Ca_kabuli_chr06	47675816	CC	TT	1940369381
SNP_P1_119482_47688972	NC_021165.1	Ca_kabuli_chr06	47688972	CC	TT	1940369383
SNP_P1_119484_47697510	NC_021165.1	Ca_kabuli_chr06	47697510	AA	GG	1940369385
SNP_P1_119485_47697511	NC_021165.1	Ca_kabuli_chr06	47697511	AA	TT	1940369387
SNP_P1_119486_47697671	NC_021165.1	Ca_kabuli_chr06	47697671	GG	AA	1940369388

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119488_47697924	NC_021165.1	Ca_kabuli_chr06	47697924	AA	CC	1940369392
SNP_P1_119490_47698044	NC_021165.1	Ca_kabuli_chr06	47698044	GG	CC	1940369394
SNP_P1_119491_47698052	NC_021165.1	Ca_kabuli_chr06	47698052	AA	GG	1940369395
SNP_P1_119492_47698083	NC_021165.1	Ca_kabuli_chr06	47698083	AA	CC	1940369397
SNP_P1_119493_47698091	NC_021165.1	Ca_kabuli_chr06	47698091	GG	AA	1940369399
SNP_P1_119494_47698105	NC_021165.1	Ca_kabuli_chr06	47698105	TT	CC	1940369401
SNP_P1_119495_47698115	NC_021165.1	Ca_kabuli_chr06	47698115	AA	GG	1940369402
SNP_P1_119496_47699206	NC_021165.1	Ca_kabuli_chr06	47699206	AA	GG	1940369404
SNP_P1_119497_47699227	NC_021165.1	Ca_kabuli_chr06	47699227	AA	TT	1940369406
SNP_P1_119498_47699252	NC_021165.1	Ca_kabuli_chr06	47699252	TT	CC	1940369408
SNP_P1_119499_47699545	NC_021165.1	Ca_kabuli_chr06	47699545	AA	GG	1940369409
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SNP_P1_119502_47702258	NC_021165.1	Ca_kabuli_chr06	47702258	GG	AA	1940369413
SNP_P1_119503_47707527	NC_021165.1	Ca_kabuli_chr06	47707527	GG	TT	1940369415
SNP_P1_119505_47716096	NC_021165.1	Ca_kabuli_chr06	47716096	TT	GG	1940369416
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SNP_P1_119507_47716666	NC_021165.1	Ca_kabuli_chr06	47716666	TT	CC	1940369420
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SNP_P1_119510_47716911	NC_021165.1	Ca_kabuli_chr06	47716911	CC	TT	1940369425
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SNP_P1_119513_47717056	NC_021165.1	Ca_kabuli_chr06	47717056	TT	GG	1940369430
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SNP_P1_119519_47721778	NC_021165.1	Ca_kabuli_chr06	47721778	CC	GG	1940369441
SNP_P1_119520_47722621	NC_021165.1	Ca_kabuli_chr06	47722621	CC	TT	1940369443
SNP_P1_119521_47722930	NC_021165.1	Ca_kabuli_chr06	47722930	AA	GG	1940369444
SNP_P1_119522_47723049	NC_021165.1	Ca_kabuli_chr06	47723049	CC	AA	1940369446
SNP_P1_119523_47723050	NC_021165.1	Ca_kabuli_chr06	47723050	TT	CC	1940369448
SNP_P1_119524_47723065	NC_021165.1	Ca_kabuli_chr06	47723065	AA	GG	1940369450
SNP_P1_119525_47723077	NC_021165.1	Ca_kabuli_chr06	47723077	TT	AA	1940369451
SNP_P1_119526_47723368	NC_021165.1	Ca_kabuli_chr06	47723368	TT	GG	1940369453
SNP_P1_119527_47729452	NC_021165.1	Ca_kabuli_chr06	47729452	CC	TT	1940369455
SNP_P1_119528_47729525	NC_021165.1	Ca_kabuli_chr06	47729525	AA	GG	1940369457
SNP_P1_119529_47730169	NC_021165.1	Ca_kabuli_chr06	47730169	CC	TT	1940369459
SNP_P1_119530_47731205	NC_021165.1	Ca_kabuli_chr06	47731205	CC	TT	1940369460
SNP_P1_119532_47746100	NC_021165.1	Ca_kabuli_chr06	47746100	AA	GG	1940369462

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119535_47753728	NC_021165.1	Ca_kabuli_chr06	47753728	TT	GG	1940369467
SNP_P1_119536_47754029	NC_021165.1	Ca_kabuli_chr06	47754029	CC	TT	1940369469
SNP_P1_119537_47758812	NC_021165.1	Ca_kabuli_chr06	47758812	AA	GG	1940369471
SNP_P1_119538_47758837	NC_021165.1	Ca_kabuli_chr06	47758837	AA	GG	1940369473
SNP_P1_119539_47758874	NC_021165.1	Ca_kabuli_chr06	47758874	AA	GG	1940369474
SNP_P1_119540_47758925	NC_021165.1	Ca_kabuli_chr06	47758925	GG	AA	1940369476
SNP_P1_119541_47759148	NC_021165.1	Ca_kabuli_chr06	47759148	AA	CC	1940369478
SNP_P1_119542_47759169	NC_021165.1	Ca_kabuli_chr06	47759169	AA	TT	1940369480
SNP_P1_119543_47759365	NC_021165.1	Ca_kabuli_chr06	47759365	TT	CC	1940369481
SNP_P1_119544_47760741	NC_021165.1	Ca_kabuli_chr06	47760741	GG	AA	1940369483
SNP_P1_119545_47760960	NC_021165.1	Ca_kabuli_chr06	47760960	GG	AA	1940369485
SNP_P1_119546_47761044	NC_021165.1	Ca_kabuli_chr06	47761044	CC	GG	1940369487
SNP_P1_119547_47761064	NC_021165.1	Ca_kabuli_chr06	47761064	CC	AA	1940369489
SNP_P1_119548_47761066	NC_021165.1	Ca_kabuli_chr06	47761066	CC	TT	1940369490
SNP_P1_119549_47772401	NC_021165.1	Ca_kabuli_chr06	47772401	AA	GG	1940369492
SNP_P1_119550_47779071	NC_021165.1	Ca_kabuli_chr06	47779071	GG	CC	1940369494
SNP_P1_119551_47779082	NC_021165.1	Ca_kabuli_chr06	47779082	AA	CC	1940369496
SNP_P1_119552_47779178	NC_021165.1	Ca_kabuli_chr06	47779178	TT	GG	1940369497
SNP_P1_119553_47779197	NC_021165.1	Ca_kabuli_chr06	47779197	TT	GG	1940369499
SNP_P1_119554_47779290	NC_021165.1	Ca_kabuli_chr06	47779290	CC	TT	1940369501
SNP_P1_119555_47785378	NC_021165.1	Ca_kabuli_chr06	47785378	AA	CC	1940369503
SNP_P1_119557_47798352	NC_021165.1	Ca_kabuli_chr06	47798352	CC	GG	1940369504
SNP_P1_119558_47798969	NC_021165.1	Ca_kabuli_chr06	47798969	CC	TT	1940369506
SNP_P1_119559_47814918	NC_021165.1	Ca_kabuli_chr06	47814918	TT	GG	1940369508
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SNP_P1_119562_47830108	NC_021165.1	Ca_kabuli_chr06	47830108	AA	GG	1940369511
SNP_P1_119563_47830218	NC_021165.1	Ca_kabuli_chr06	47830218	CC	GG	1940369513
SNP_P1_119564_47830601	NC_021165.1	Ca_kabuli_chr06	47830601	GG	AA	1940369515
SNP_P1_119566_47838652	NC_021165.1	Ca_kabuli_chr06	47838652	TT	GG	1940369517
SNP_P1_119567_47839433	NC_021165.1	Ca_kabuli_chr06	47839433	TT	AA	1940369518
SNP_P1_119568_47839836	NC_021165.1	Ca_kabuli_chr06	47839836	TT	CC	1940369520
SNP_P1_119569_47854752	NC_021165.1	Ca_kabuli_chr06	47854752	CC	TT	1940369522
SNP_P1_119570_47865001	NC_021165.1	Ca_kabuli_chr06	47865001	AA	CC	1940369524
SNP_P1_119571_47870567	NC_021165.1	Ca_kabuli_chr06	47870567	AA	GG	1940369525
SNP_P1_119572_47870584	NC_021165.1	Ca_kabuli_chr06	47870584	CC	TT	1940369527
SNP_P1_119573_47904994	NC_021165.1	Ca_kabuli_chr06	47904994	TT	AA	1940369529
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SNP_P1_119575_47906019	NC_021165.1	Ca_kabuli_chr06	47906019	GG	AA	1940369532
SNP_P1_119576_47906100	NC_021165.1	Ca_kabuli_chr06	47906100	AA	GG	1940369534
SNP_P1_119577_47906227	NC_021165.1	Ca_kabuli_chr06	47906227	AA	CC	1940369536

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119580_47906312	NC_021165.1	Ca_kabuli_chr06	47906312	TT	CC	1940369541
SNP_P1_119581_47910502	NC_021165.1	Ca_kabuli_chr06	47910502	GG	AA	1940369543
SNP_P1_119582_47910514	NC_021165.1	Ca_kabuli_chr06	47910514	GG	AA	1940369545
SNP_P1_119583_47910517	NC_021165.1	Ca_kabuli_chr06	47910517	CC	TT	1940369547
SNP_P1_119584_47910557	NC_021165.1	Ca_kabuli_chr06	47910557	AA	GG	1940369548
SNP_P1_119585_47910568	NC_021165.1	Ca_kabuli_chr06	47910568	GG	AA	1940369550
SNP_P1_119586_47910631	NC_021165.1	Ca_kabuli_chr06	47910631	GG	TT	1940369552
SNP_P1_119587_47910647	NC_021165.1	Ca_kabuli_chr06	47910647	AA	GG	1940369554
SNP_P1_119588_47911122	NC_021165.1	Ca_kabuli_chr06	47911122	AA	GG	1940369555
SNP_P1_119589_47911225	NC_021165.1	Ca_kabuli_chr06	47911225	TT	CC	1940369557
SNP_P1_119590_47924199	NC_021165.1	Ca_kabuli_chr06	47924199	CC	TT	1940369559
SNP_P1_119591_47930510	NC_021165.1	Ca_kabuli_chr06	47930510	GG	CC	1940369561
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SNP_P1_119596_47947816	NC_021165.1	Ca_kabuli_chr06	47947816	AA	GG	1940369568
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SNP_P1_119599_47947860	NC_021165.1	Ca_kabuli_chr06	47947860	TT	GG	1940369573
SNP_P1_119600_47947866	NC_021165.1	Ca_kabuli_chr06	47947866	AA	GG	1940369575
SNP_P1_119601_47947879	NC_021165.1	Ca_kabuli_chr06	47947879	CC	TT	1940369576
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SNP_P1_119606_47948278	NC_021165.1	Ca_kabuli_chr06	47948278	CC	TT	1940369585
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SNP_P1_119608_47960883	NC_021165.1	Ca_kabuli_chr06	47960883	TT	AA	1940369589
SNP_P1_119609_47960885	NC_021165.1	Ca_kabuli_chr06	47960885	AA	CC	1940369590
SNP_P1_119610_47963788	NC_021165.1	Ca_kabuli_chr06	47963788	AA	CC	1940369592
SNP_P1_119611_47964804	NC_021165.1	Ca_kabuli_chr06	47964804	GG	AA	1940369594
SNP_P1_119613_47993402	NC_021165.1	Ca_kabuli_chr06	47993402	GG	AA	1940369596
SNP_P1_119615_48023153	NC_021165.1	Ca_kabuli_chr06	48023153	TT	CC	1940369598
SNP_P1_119616_48036690	NC_021165.1	Ca_kabuli_chr06	48036690	TT	CC	1940369599
SNP_P1_119617_48051355	NC_021165.1	Ca_kabuli_chr06	48051355	GG	TT	1940369601
SNP_P1_119618_48051447	NC_021165.1	Ca_kabuli_chr06	48051447	AA	GG	1940369603
SNP_P1_119619_48051454	NC_021165.1	Ca_kabuli_chr06	48051454	CC	AA	1940369605
SNP_P1_119620_48053575	NC_021165.1	Ca_kabuli_chr06	48053575	AA	GG	1940369606
SNP_P1_119621_48053960	NC_021165.1	Ca_kabuli_chr06	48053960	TT	GG	1940369608
SNP_P1_119622_48053962	NC_021165.1	Ca_kabuli_chr06	48053962	TT	CC	1940369610

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119625_48063659	NC_021165.1	Ca_kabuli_chr06	48063659	TT	AA	1940369615
SNP_P1_119626_48063685	NC_021165.1	Ca_kabuli_chr06	48063685	CC	TT	1940369617
SNP_P1_119627_48063809	NC_021165.1	Ca_kabuli_chr06	48063809	TT	CC	1940369619
SNP_P1_119628_48063837	NC_021165.1	Ca_kabuli_chr06	48063837	TT	CC	1940369620
SNP_P1_119630_48064128	NC_021165.1	Ca_kabuli_chr06	48064128	AA	TT	1940369622
SNP_P1_119631_48064210	NC_021165.1	Ca_kabuli_chr06	48064210	TT	CC	1940369624
SNP_P1_119632_48064237	NC_021165.1	Ca_kabuli_chr06	48064237	AA	GG	1940369626
SNP_P1_119633_48064253	NC_021165.1	Ca_kabuli_chr06	48064253	TT	CC	1940369627
SNP_P1_119634_48064604	NC_021165.1	Ca_kabuli_chr06	48064604	AA	GG	1940369629
SNP_P1_119635_48066671	NC_021165.1	Ca_kabuli_chr06	48066671	TT	AA	1940369631
SNP_P1_119636_48083374	NC_021165.1	Ca_kabuli_chr06	48083374	TT	CC	1940369633
SNP_P1_119638_48103074	NC_021165.1	Ca_kabuli_chr06	48103074	AA	CC	1940369634
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SNP_P1_119640_48110078	NC_021165.1	Ca_kabuli_chr06	48110078	CC	TT	1940369638
SNP_P1_119641_48111349	NC_021165.1	Ca_kabuli_chr06	48111349	GG	CC	1940369640
SNP_P1_119642_48117848	NC_021165.1	Ca_kabuli_chr06	48117848	GG	TT	1940369641
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SNP_P1_119645_48143674	NC_021165.1	Ca_kabuli_chr06	48143674	AA	CC	1940369647
SNP_P1_119646_48202225	NC_021165.1	Ca_kabuli_chr06	48202225	CC	AA	1940369648
SNP_P1_119648_48216115	NC_021165.1	Ca_kabuli_chr06	48216115	AA	GG	1940369650
SNP_P1_119649_48247312	NC_021165.1	Ca_kabuli_chr06	48247312	TT	AA	1940369652
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SNP_P1_119653_48253805	NC_021165.1	Ca_kabuli_chr06	48253805	GG	AA	1940369659
SNP_P1_119654_48253885	NC_021165.1	Ca_kabuli_chr06	48253885	CC	TT	1940369661
SNP_P1_119655_48253949	NC_021165.1	Ca_kabuli_chr06	48253949	GG	AA	1940369662
SNP_P1_119656_48253974	NC_021165.1	Ca_kabuli_chr06	48253974	GG	AA	1940369664
SNP_P1_119657_48254067	NC_021165.1	Ca_kabuli_chr06	48254067	GG	CC	1940369666
SNP_P1_119658_48254099	NC_021165.1	Ca_kabuli_chr06	48254099	TT	CC	1940369668
SNP_P1_119660_48261153	NC_021165.1	Ca_kabuli_chr06	48261153	TT	GG	1940369669
SNP_P1_119661_48262122	NC_021165.1	Ca_kabuli_chr06	48262122	TT	CC	1940369671
SNP_P1_119662_48262155	NC_021165.1	Ca_kabuli_chr06	48262155	TT	AA	1940369673
SNP_P1_119663_48262333	NC_021165.1	Ca_kabuli_chr06	48262333	TT	CC	1940369675
SNP_P1_119664_48262643	NC_021165.1	Ca_kabuli_chr06	48262643	AA	CC	1940369677
SNP_P1_119665_48266972	NC_021165.1	Ca_kabuli_chr06	48266972	AA	GG	1940369678
SNP_P1_119666_48267213	NC_021165.1	Ca_kabuli_chr06	48267213	TT	CC	1940369680
SNP_P1_119667_48267450	NC_021165.1	Ca_kabuli_chr06	48267450	AA	TT	1940369682
SNP_P1_119669_48269409	NC_021165.1	Ca_kabuli_chr06	48269409	TT	AA	1940369684

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119671_48269706	NC_021165.1	Ca_kabuli_chr06	48269706	TT	CC	1940369687
SNP_P1_119672_48270031	NC_021165.1	Ca_kabuli_chr06	48270031	CC	TT	1940369689
SNP_P1_119673_48270088	NC_021165.1	Ca_kabuli_chr06	48270088	TT	AA	1940369691
SNP_P1_119674_48270262	NC_021165.1	Ca_kabuli_chr06	48270262	CC	TT	1940369692
SNP_P1_119675_48270263	NC_021165.1	Ca_kabuli_chr06	48270263	AA	TT	1940369694
SNP_P1_119676_48270267	NC_021165.1	Ca_kabuli_chr06	48270267	GG	AA	1940369696
SNP_P1_119677_48270627	NC_021165.1	Ca_kabuli_chr06	48270627	AA	GG	1940369698
SNP_P1_119678_48270752	NC_021165.1	Ca_kabuli_chr06	48270752	AA	TT	1940369699
SNP_P1_119679_48270772	NC_021165.1	Ca_kabuli_chr06	48270772	AA	GG	1940369701
SNP_P1_119680_48270807	NC_021165.1	Ca_kabuli_chr06	48270807	CC	TT	1940369703
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SNP_P1_119684_48270940	NC_021165.1	Ca_kabuli_chr06	48270940	GG	TT	1940369710
SNP_P1_119685_48270965	NC_021165.1	Ca_kabuli_chr06	48270965	AA	GG	1940369712
SNP_P1_119686_48270973	NC_021165.1	Ca_kabuli_chr06	48270973	GG	AA	1940369713
SNP_P1_119687_48270977	NC_021165.1	Ca_kabuli_chr06	48270977	TT	CC	1940369715
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SNP_P1_119692_48271177	NC_021165.1	Ca_kabuli_chr06	48271177	CC	TT	1940369724
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SNP_P1_119703_48276591	NC_021165.1	Ca_kabuli_chr06	48276591	TT	CC	1940369738
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SNP_P1_119705_48277676	NC_021165.1	Ca_kabuli_chr06	48277676	GG	AA	1940369742
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SNP_P1_119712_48278999	NC_021165.1	Ca_kabuli_chr06	48278999	AA	CC	1940369754
SNP_P1_119713_48279066	NC_021165.1	Ca_kabuli_chr06	48279066	CC	GG	1940369756
SNP_P1_119714_48279068	NC_021165.1	Ca_kabuli_chr06	48279068	GG	TT	1940369757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119718_48279231	NC_021165.1	Ca_kabuli_chr06	48279231	TT	CC	1940369763
SNP_P1_119719_48279240	NC_021165.1	Ca_kabuli_chr06	48279240	GG	TT	1940369764
SNP_P1_119720_48279263	NC_021165.1	Ca_kabuli_chr06	48279263	CC	GG	1940369766
SNP_P1_119721_48279275	NC_021165.1	Ca_kabuli_chr06	48279275	TT	CC	1940369768
SNP_P1_119722_48279283	NC_021165.1	Ca_kabuli_chr06	48279283	CC	TT	1940369770
SNP_P1_119723_48279331	NC_021165.1	Ca_kabuli_chr06	48279331	TT	GG	1940369771
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SNP_P1_119725_48279381	NC_021165.1	Ca_kabuli_chr06	48279381	AA	CC	1940369775
SNP_P1_119727_48279493	NC_021165.1	Ca_kabuli_chr06	48279493	TT	CC	1940369777
SNP_P1_119728_48279555	NC_021165.1	Ca_kabuli_chr06	48279555	CC	TT	1940369778
SNP_P1_119730_48279794	NC_021165.1	Ca_kabuli_chr06	48279794	TT	CC	1940369780
SNP_P1_119731_48279888	NC_021165.1	Ca_kabuli_chr06	48279888	GG	CC	1940369782
SNP_P1_119732_48279935	NC_021165.1	Ca_kabuli_chr06	48279935	AA	GG	1940369784
SNP_P1_119733_48279981	NC_021165.1	Ca_kabuli_chr06	48279981	GG	AA	1940369785
SNP_P1_119734_48279983	NC_021165.1	Ca_kabuli_chr06	48279983	GG	AA	1940369787
SNP_P1_119735_48280047	NC_021165.1	Ca_kabuli_chr06	48280047	TT	AA	1940369789
SNP_P1_119736_48280053	NC_021165.1	Ca_kabuli_chr06	48280053	AA	TT	1940369791
SNP_P1_119738_48280117	NC_021165.1	Ca_kabuli_chr06	48280117	CC	GG	1940369792
SNP_P1_119739_48280165	NC_021165.1	Ca_kabuli_chr06	48280165	TT	CC	1940369794
SNP_P1_119740_48280182	NC_021165.1	Ca_kabuli_chr06	48280182	CC	AA	1940369796
SNP_P1_119742_48280249	NC_021165.1	Ca_kabuli_chr06	48280249	CC	TT	1940369798
SNP_P1_119744_48280329	NC_021165.1	Ca_kabuli_chr06	48280329	GG	AA	1940369800
SNP_P1_119745_48280362	NC_021165.1	Ca_kabuli_chr06	48280362	GG	AA	1940369801
SNP_P1_119746_48280368	NC_021165.1	Ca_kabuli_chr06	48280368	TT	CC	1940369803
SNP_P1_119747_48280373	NC_021165.1	Ca_kabuli_chr06	48280373	AA	CC	1940369805
SNP_P1_119748_48280417	NC_021165.1	Ca_kabuli_chr06	48280417	AA	GG	1940369807
SNP_P1_119749_48280424	NC_021165.1	Ca_kabuli_chr06	48280424	GG	AA	1940369808
SNP_P1_119750_48280445	NC_021165.1	Ca_kabuli_chr06	48280445	AA	GG	1940369810
SNP_P1_119752_48280500	NC_021165.1	Ca_kabuli_chr06	48280500	GG	AA	1940369812
SNP_P1_119754_48280595	NC_021165.1	Ca_kabuli_chr06	48280595	AA	GG	1940369814
SNP_P1_119755_48280597	NC_021165.1	Ca_kabuli_chr06	48280597	AA	CC	1940369815
SNP_P1_119756_48280612	NC_021165.1	Ca_kabuli_chr06	48280612	AA	GG	1940369817
SNP_P1_119757_48280622	NC_021165.1	Ca_kabuli_chr06	48280622	AA	GG	1940369819
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SNP_P1_119759_48280762	NC_021165.1	Ca_kabuli_chr06	48280762	AA	TT	1940369822
SNP_P1_119761_48280837	NC_021165.1	Ca_kabuli_chr06	48280837	AA	CC	1940369824
SNP_P1_119762_48281097	NC_021165.1	Ca_kabuli_chr06	48281097	AA	GG	1940369826
SNP_P1_119763_48281161	NC_021165.1	Ca_kabuli_chr06	48281161	CC	TT	1940369828
SNP_P1_119764_48281321	NC_021165.1	Ca_kabuli_chr06	48281321	GG	AA	1940369829
SNP_P1_119765_48281357	NC_021165.1	Ca_kabuli_chr06	48281357	TT	CC	1940369831

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119767_48281360	NC_021165.1	Ca_kabuli_chr06	48281360	TT	AA	1940369835
SNP_P1_119769_48281410	NC_021165.1	Ca_kabuli_chr06	48281410	CC	AA	1940369836
SNP_P1_119771_48281665	NC_021165.1	Ca_kabuli_chr06	48281665	GG	CC	1940369838
SNP_P1_119772_48281668	NC_021165.1	Ca_kabuli_chr06	48281668	CC	AA	1940369840
SNP_P1_119773_48281688	NC_021165.1	Ca_kabuli_chr06	48281688	TT	CC	1940369842
SNP_P1_119774_48281804	NC_021165.1	Ca_kabuli_chr06	48281804	AA	GG	1940369843
SNP_P1_119775_48281822	NC_021165.1	Ca_kabuli_chr06	48281822	TT	CC	1940369845
SNP_P1_119776_48281893	NC_021165.1	Ca_kabuli_chr06	48281893	GG	AA	1940369847
SNP_P1_119777_48281894	NC_021165.1	Ca_kabuli_chr06	48281894	AA	GG	1940369849
SNP_P1_119778_48281911	NC_021165.1	Ca_kabuli_chr06	48281911	GG	CC	1940369851
SNP_P1_119779_48281951	NC_021165.1	Ca_kabuli_chr06	48281951	AA	GG	1940369852
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SNP_P1_119782_48306249	NC_021165.1	Ca_kabuli_chr06	48306249	CC	TT	1940369858
SNP_P1_119783_48311730	NC_021165.1	Ca_kabuli_chr06	48311730	CC	TT	1940369859
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SNP_P1_119789_48372309	NC_021165.1	Ca_kabuli_chr06	48372309	TT	AA	1940369868
SNP_P1_119790_48382943	NC_021165.1	Ca_kabuli_chr06	48382943	GG	TT	1940369870
SNP_P1_119791_48386281	NC_021165.1	Ca_kabuli_chr06	48386281	TT	AA	1940369872
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SNP_P1_119796_48710318	NC_021165.1	Ca_kabuli_chr06	48710318	AA	GG	1940369880
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SNP_P1_119798_48710400	NC_021165.1	Ca_kabuli_chr06	48710400	TT	CC	1940369884
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SNP_P1_119800_48710717	NC_021165.1	Ca_kabuli_chr06	48710717	AA	GG	1940369887
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SNP_P1_119804_48710846	NC_021165.1	Ca_kabuli_chr06	48710846	AA	GG	1940369893
SNP_P1_119805_48710854	NC_021165.1	Ca_kabuli_chr06	48710854	AA	GG	1940369894
SNP_P1_119806_48710886	NC_021165.1	Ca_kabuli_chr06	48710886	AA	GG	1940369896
SNP_P1_119807_48710898	NC_021165.1	Ca_kabuli_chr06	48710898	CC	TT	1940369898
SNP_P1_119808_48710903	NC_021165.1	Ca_kabuli_chr06	48710903	AA	GG	1940369900
SNP_P1_119809_48710910	NC_021165.1	Ca_kabuli_chr06	48710910	AA	GG	1940369901
SNP_P1_119810_48710932	NC_021165.1	Ca_kabuli_chr06	48710932	CC	TT	1940369903
SNP_P1_119811_48725649	NC_021165.1	Ca_kabuli_chr06	48725649	AA	CC	1940369905

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119814_48767867	NC_021165.1	Ca_kabuli_chr06	48767867	AA	GG	1940369910
SNP_P1_119815_48769820	NC_021165.1	Ca_kabuli_chr06	48769820	CC	TT	1940369912
SNP_P1_119816_48774093	NC_021165.1	Ca_kabuli_chr06	48774093	CC	GG	1940369914
SNP_P1_119817_48774958	NC_021165.1	Ca_kabuli_chr06	48774958	GG	AA	1940369915
SNP_P1_119818_48775727	NC_021165.1	Ca_kabuli_chr06	48775727	CC	TT	1940369917
SNP_P1_119819_48777025	NC_021165.1	Ca_kabuli_chr06	48777025	TT	AA	1940369919
SNP_P1_119820_48777042	NC_021165.1	Ca_kabuli_chr06	48777042	CC	AA	1940369921
SNP_P1_119821_48783125	NC_021165.1	Ca_kabuli_chr06	48783125	AA	GG	1940369923
SNP_P1_119822_48787715	NC_021165.1	Ca_kabuli_chr06	48787715	AA	GG	1940369924
SNP_P1_119823_48788468	NC_021165.1	Ca_kabuli_chr06	48788468	TT	CC	1940369926
SNP_P1_119824_48788552	NC_021165.1	Ca_kabuli_chr06	48788552	GG	AA	1940369928
SNP_P1_119826_48788638	NC_021165.1	Ca_kabuli_chr06	48788638	AA	GG	1940369930
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SNP_P1_119829_48791523	NC_021165.1	Ca_kabuli_chr06	48791523	CC	TT	1940369933
SNP_P1_119830_48791872	NC_021165.1	Ca_kabuli_chr06	48791872	AA	TT	1940369935
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SNP_P1_119834_48792599	NC_021165.1	Ca_kabuli_chr06	48792599	TT	CC	1940369942
SNP_P1_119835_48793434	NC_021165.1	Ca_kabuli_chr06	48793434	GG	AA	1940369944
SNP_P1_119836_48793439	NC_021165.1	Ca_kabuli_chr06	48793439	TT	CC	1940369945
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SNP_P1_119839_48826774	NC_021165.1	Ca_kabuli_chr06	48826774	AA	GG	1940369951
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SNP_P1_119841_48827442	NC_021165.1	Ca_kabuli_chr06	48827442	AA	TT	1940369954
SNP_P1_119844_48869203	NC_021165.1	Ca_kabuli_chr06	48869203	TT	CC	1940369956
SNP_P1_119845_48884669	NC_021165.1	Ca_kabuli_chr06	48884669	CC	TT	1940369958
SNP_P1_119846_48887032	NC_021165.1	Ca_kabuli_chr06	48887032	CC	TT	1940369959
SNP_P1_119847_48887281	NC_021165.1	Ca_kabuli_chr06	48887281	AA	GG	1940369961
SNP_P1_119848_48890366	NC_021165.1	Ca_kabuli_chr06	48890366	CC	TT	1940369963
SNP_P1_119850_48905381	NC_021165.1	Ca_kabuli_chr06	48905381	AA	TT	1940369965
SNP_P1_119852_48908184	NC_021165.1	Ca_kabuli_chr06	48908184	AA	GG	1940369966
SNP_P1_119853_48908194	NC_021165.1	Ca_kabuli_chr06	48908194	GG	AA	1940369968
SNP_P1_119854_48920590	NC_021165.1	Ca_kabuli_chr06	48920590	CC	TT	1940369970
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SNP_P1_119856_48925418	NC_021165.1	Ca_kabuli_chr06	48925418	AA	GG	1940369973
SNP_P1_119857_48933100	NC_021165.1	Ca_kabuli_chr06	48933100	TT	CC	1940369975
SNP_P1_119858_48944861	NC_021165.1	Ca_kabuli_chr06	48944861	CC	TT	1940369977
SNP_P1_119859_48950263	NC_021165.1	Ca_kabuli_chr06	48950263	AA	GG	1940369979

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119861_48962227	NC_021165.1	Ca_kabuli_chr06	48962227	GG	TT	1940369982
SNP_P1_119862_48983398	NC_021165.1	Ca_kabuli_chr06	48983398	TT	CC	1940369984
SNP_P1_119863_48998489	NC_021165.1	Ca_kabuli_chr06	48998489	TT	CC	1940369986
SNP_P1_119864_49007082	NC_021165.1	Ca_kabuli_chr06	49007082	TT	CC	1940369988
SNP_P1_119865_49007113	NC_021165.1	Ca_kabuli_chr06	49007113	CC	TT	1940369989
SNP_P1_119866_49007821	NC_021165.1	Ca_kabuli_chr06	49007821	TT	CC	1940369991
SNP_P1_119867_49010747	NC_021165.1	Ca_kabuli_chr06	49010747	AA	TT	1940369993
SNP_P1_119868_49016247	NC_021165.1	Ca_kabuli_chr06	49016247	TT	GG	1940369995
SNP_P1_119869_49016283	NC_021165.1	Ca_kabuli_chr06	49016283	CC	TT	1940369996
SNP_P1_119870_49016327	NC_021165.1	Ca_kabuli_chr06	49016327	TT	CC	1940369998
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SNP_P1_119872_49016395	NC_021165.1	Ca_kabuli_chr06	49016395	AA	GG	1940370002
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SNP_P1_119876_49018419	NC_021165.1	Ca_kabuli_chr06	49018419	CC	TT	1940370009
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SNP_P1_119891_49092596	NC_021165.1	Ca_kabuli_chr06	49092596	TT	CC	1940370035
SNP_P1_119892_49097006	NC_021165.1	Ca_kabuli_chr06	49097006	TT	AA	1940370037
SNP_P1_119893_49109327	NC_021165.1	Ca_kabuli_chr06	49109327	AA	GG	1940370039
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SNP_P1_119896_49116470	NC_021165.1	Ca_kabuli_chr06	49116470	GG	TT	1940370044
SNP_P1_119897_49116806	NC_021165.1	Ca_kabuli_chr06	49116806	GG	TT	1940370046
SNP_P1_119898_49116811	NC_021165.1	Ca_kabuli_chr06	49116811	TT	CC	1940370047
SNP_P1_119899_49116892	NC_021165.1	Ca_kabuli_chr06	49116892	AA	CC	1940370049
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SNP_P1_119901_49149797	NC_021165.1	Ca_kabuli_chr06	49149797	GG	AA	1940370053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119904_49149877	NC_021165.1	Ca_kabuli_chr06	49149877	TT	GG	1940370058
SNP_P1_119905_49150200	NC_021165.1	Ca_kabuli_chr06	49150200	AA	GG	1940370060
SNP_P1_119907_49197847	NC_021165.1	Ca_kabuli_chr06	49197847	GG	AA	1940370061
SNP_P1_119908_49201259	NC_021165.1	Ca_kabuli_chr06	49201259	GG	AA	1940370063
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SNP_P1_119910_49218851	NC_021165.1	Ca_kabuli_chr06	49218851	CC	TT	1940370067
SNP_P1_119911_49218854	NC_021165.1	Ca_kabuli_chr06	49218854	CC	AA	1940370068
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SNP_P1_119916_49219007	NC_021165.1	Ca_kabuli_chr06	49219007	GG	AA	1940370075
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SNP_P1_119918_49219126	NC_021165.1	Ca_kabuli_chr06	49219126	GG	AA	1940370079
SNP_P1_119919_49219163	NC_021165.1	Ca_kabuli_chr06	49219163	GG	AA	1940370081
SNP_P1_119920_49219299	NC_021165.1	Ca_kabuli_chr06	49219299	AA	TT	1940370082
SNP_P1_119921_49219300	NC_021165.1	Ca_kabuli_chr06	49219300	CC	AA	1940370084
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SNP_P1_119924_49219474	NC_021165.1	Ca_kabuli_chr06	49219474	GG	TT	1940370089
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SNP_P1_119926_49221067	NC_021165.1	Ca_kabuli_chr06	49221067	AA	GG	1940370093
SNP_P1_119927_49221075	NC_021165.1	Ca_kabuli_chr06	49221075	CC	TT	1940370095
SNP_P1_119928_49221357	NC_021165.1	Ca_kabuli_chr06	49221357	TT	AA	1940370096
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SNP_P1_119930_49221881	NC_021165.1	Ca_kabuli_chr06	49221881	CC	AA	1940370100
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SNP_P1_119932_49222089	NC_021165.1	Ca_kabuli_chr06	49222089	AA	TT	1940370103
SNP_P1_119933_49222244	NC_021165.1	Ca_kabuli_chr06	49222244	GG	AA	1940370105
SNP_P1_119934_49222251	NC_021165.1	Ca_kabuli_chr06	49222251	GG	AA	1940370107
SNP_P1_119935_49222268	NC_021165.1	Ca_kabuli_chr06	49222268	TT	AA	1940370109
SNP_P1_119936_49222275	NC_021165.1	Ca_kabuli_chr06	49222275	AA	CC	1940370111
SNP_P1_119937_49222291	NC_021165.1	Ca_kabuli_chr06	49222291	GG	AA	1940370112
SNP_P1_119938_49223069	NC_021165.1	Ca_kabuli_chr06	49223069	CC	TT	1940370114
SNP_P1_119941_49258844	NC_021165.1	Ca_kabuli_chr06	49258844	AA	CC	1940370116
SNP_P1_119942_49261919	NC_021165.1	Ca_kabuli_chr06	49261919	CC	TT	1940370118
SNP_P1_119944_49262267	NC_021165.1	Ca_kabuli_chr06	49262267	TT	CC	1940370119
SNP_P1_119945_49262327	NC_021165.1	Ca_kabuli_chr06	49262327	TT	GG	1940370121
SNP_P1_119946_49262359	NC_021165.1	Ca_kabuli_chr06	49262359	GG	AA	1940370123
SNP_P1_119947_49262377	NC_021165.1	Ca_kabuli_chr06	49262377	CC	TT	1940370125
SNP_P1_119948_49262378	NC_021165.1	Ca_kabuli_chr06	49262378	GG	AA	1940370126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119950_49263267	NC_021165.1	Ca_kabuli_chr06	49263267	GG	AA	1940370130
SNP_P1_119951_49266758	NC_021165.1	Ca_kabuli_chr06	49266758	AA	CC	1940370132
SNP_P1_119952_49267051	NC_021165.1	Ca_kabuli_chr06	49267051	CC	TT	1940370133
SNP_P1_119953_49267067	NC_021165.1	Ca_kabuli_chr06	49267067	AA	TT	1940370135
SNP_P1_119954_49267076	NC_021165.1	Ca_kabuli_chr06	49267076	AA	TT	1940370137
SNP_P1_119955_49267123	NC_021165.1	Ca_kabuli_chr06	49267123	TT	GG	1940370139
SNP_P1_119956_49299876	NC_021165.1	Ca_kabuli_chr06	49299876	CC	AA	1940370140
SNP_P1_119957_49300130	NC_021165.1	Ca_kabuli_chr06	49300130	CC	TT	1940370142
SNP_P1_119958_49302494	NC_021165.1	Ca_kabuli_chr06	49302494	CC	TT	1940370144
SNP_P1_119959_49302596	NC_021165.1	Ca_kabuli_chr06	49302596	GG	AA	1940370146
SNP_P1_119960_49306943	NC_021165.1	Ca_kabuli_chr06	49306943	AA	CC	1940370147
SNP_P1_119961_49306947	NC_021165.1	Ca_kabuli_chr06	49306947	GG	TT	1940370149
SNP_P1_119962_49318116	NC_021165.1	Ca_kabuli_chr06	49318116	AA	GG	1940370151
SNP_P1_119963_49318258	NC_021165.1	Ca_kabuli_chr06	49318258	CC	TT	1940370153
SNP_P1_119964_49318652	NC_021165.1	Ca_kabuli_chr06	49318652	GG	AA	1940370154
SNP_P1_119965_49318660	NC_021165.1	Ca_kabuli_chr06	49318660	GG	AA	1940370156
SNP_P1_119966_49318702	NC_021165.1	Ca_kabuli_chr06	49318702	GG	AA	1940370158
SNP_P1_119967_49319205	NC_021165.1	Ca_kabuli_chr06	49319205	CC	TT	1940370160
SNP_P1_119968_49323078	NC_021165.1	Ca_kabuli_chr06	49323078	AA	GG	1940370161
SNP_P1_119969_49324511	NC_021165.1	Ca_kabuli_chr06	49324511	GG	AA	1940370163
SNP_P1_119970_49325612	NC_021165.1	Ca_kabuli_chr06	49325612	CC	TT	1940370165
SNP_P1_119971_49326765	NC_021165.1	Ca_kabuli_chr06	49326765	TT	GG	1940370167
SNP_P1_119972_49335756	NC_021165.1	Ca_kabuli_chr06	49335756	AA	GG	1940370169
SNP_P1_119973_49339746	NC_021165.1	Ca_kabuli_chr06	49339746	GG	AA	1940370170
SNP_P1_119974_49341732	NC_021165.1	Ca_kabuli_chr06	49341732	TT	CC	1940370172
SNP_P1_119975_49368125	NC_021165.1	Ca_kabuli_chr06	49368125	AA	CC	1940370174
SNP_P1_119976_49377275	NC_021165.1	Ca_kabuli_chr06	49377275	GG	AA	1940370176
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SNP_P1_119978_49393709	NC_021165.1	Ca_kabuli_chr06	49393709	TT	CC	1940370179
SNP_P1_119979_49410603	NC_021165.1	Ca_kabuli_chr06	49410603	AA	TT	1940370181
SNP_P1_119980_49430546	NC_021165.1	Ca_kabuli_chr06	49430546	CC	TT	1940370183
SNP_P1_119981_49433430	NC_021165.1	Ca_kabuli_chr06	49433430	GG	AA	1940370184
SNP_P1_119982_49436999	NC_021165.1	Ca_kabuli_chr06	49436999	CC	TT	1940370186
SNP_P1_119983_49438381	NC_021165.1	Ca_kabuli_chr06	49438381	AA	GG	1940370188
SNP_P1_119984_49438467	NC_021165.1	Ca_kabuli_chr06	49438467	CC	AA	1940370190
SNP_P1_119985_49491811	NC_021165.1	Ca_kabuli_chr06	49491811	CC	TT	1940370191
SNP_P1_119987_49500274	NC_021165.1	Ca_kabuli_chr06	49500274	GG	TT	1940370193
SNP_P1_119988_49500279	NC_021165.1	Ca_kabuli_chr06	49500279	TT	CC	1940370195
SNP_P1_119990_49523109	NC_021165.1	Ca_kabuli_chr06	49523109	TT	AA	1940370197
SNP_P1_119991_49527105	NC_021165.1	Ca_kabuli_chr06	49527105	AA	TT	1940370198
SNP_P1_119992_49534976	NC_021165.1	Ca_kabuli_chr06	49534976	CC	TT	1940370200

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_119994_49572551	NC_021165.1	Ca_kabuli_chr06	49572551	AA	TT	1940370204
SNP_P1_119995_49583926	NC_021165.1	Ca_kabuli_chr06	49583926	TT	CC	1940370205
SNP_P1_119996_49617460	NC_021165.1	Ca_kabuli_chr06	49617460	TT	CC	1940370207
SNP_P1_119997_49628921	NC_021165.1	Ca_kabuli_chr06	49628921	TT	CC	1940370209
SNP_P1_119998_49629118	NC_021165.1	Ca_kabuli_chr06	49629118	AA	CC	1940370211
SNP_P1_119999_49629326	NC_021165.1	Ca_kabuli_chr06	49629326	CC	TT	1940370212
SNP_P1_120000_49629599	NC_021165.1	Ca_kabuli_chr06	49629599	TT	AA	1940370214
SNP_P1_120001_49629674	NC_021165.1	Ca_kabuli_chr06	49629674	AA	GG	1940370216
SNP_P1_120002_49629858	NC_021165.1	Ca_kabuli_chr06	49629858	GG	CC	1940370218
SNP_P1_120003_49629922	NC_021165.1	Ca_kabuli_chr06	49629922	CC	AA	1940370219
SNP_P1_120004_49629946	NC_021165.1	Ca_kabuli_chr06	49629946	AA	GG	1940370221
SNP_P1_120005_49629988	NC_021165.1	Ca_kabuli_chr06	49629988	TT	CC	1940370223
SNP_P1_120006_49645229	NC_021165.1	Ca_kabuli_chr06	49645229	GG	TT	1940370225
SNP_P1_120007_49654571	NC_021165.1	Ca_kabuli_chr06	49654571	TT	CC	1940370227
SNP_P1_120008_49655704	NC_021165.1	Ca_kabuli_chr06	49655704	TT	AA	1940370228
SNP_P1_120009_49686442	NC_021165.1	Ca_kabuli_chr06	49686442	AA	CC	1940370230
SNP_P1_120011_49696256	NC_021165.1	Ca_kabuli_chr06	49696256	GG	TT	1940370232
SNP_P1_120012_49696287	NC_021165.1	Ca_kabuli_chr06	49696287	TT	CC	1940370234
SNP_P1_120013_49705869	NC_021165.1	Ca_kabuli_chr06	49705869	TT	CC	1940370235
SNP_P1_120014_49707175	NC_021165.1	Ca_kabuli_chr06	49707175	GG	AA	1940370237
SNP_P1_120015_49726711	NC_021165.1	Ca_kabuli_chr06	49726711	CC	TT	1940370239
SNP_P1_120016_49727353	NC_021165.1	Ca_kabuli_chr06	49727353	GG	CC	1940370241
SNP_P1_120017_49727380	NC_021165.1	Ca_kabuli_chr06	49727380	TT	GG	1940370242
SNP_P1_120018_49727392	NC_021165.1	Ca_kabuli_chr06	49727392	TT	AA	1940370244
SNP_P1_120019_49727397	NC_021165.1	Ca_kabuli_chr06	49727397	GG	AA	1940370246
SNP_P1_120020_49727412	NC_021165.1	Ca_kabuli_chr06	49727412	GG	AA	1940370248
SNP_P1_120021_49727427	NC_021165.1	Ca_kabuli_chr06	49727427	AA	GG	1940370249
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SNP_P1_120023_49727444	NC_021165.1	Ca_kabuli_chr06	49727444	TT	AA	1940370253
SNP_P1_120024_49727445	NC_021165.1	Ca_kabuli_chr06	49727445	AA	TT	1940370255
SNP_P1_120025_49727448	NC_021165.1	Ca_kabuli_chr06	49727448	AA	GG	1940370256
SNP_P1_120026_49727452	NC_021165.1	Ca_kabuli_chr06	49727452	TT	CC	1940370258
SNP_P1_120027_49727460	NC_021165.1	Ca_kabuli_chr06	49727460	AA	CC	1940370260
SNP_P1_120028_49727551	NC_021165.1	Ca_kabuli_chr06	49727551	TT	CC	1940370262
SNP_P1_120029_49727806	NC_021165.1	Ca_kabuli_chr06	49727806	TT	GG	1940370263
SNP_P1_120030_49727809	NC_021165.1	Ca_kabuli_chr06	49727809	TT	GG	1940370265
SNP_P1_120031_49727821	NC_021165.1	Ca_kabuli_chr06	49727821	AA	GG	1940370267
SNP_P1_120032_49727857	NC_021165.1	Ca_kabuli_chr06	49727857	CC	AA	1940370269
SNP_P1_120033_49727913	NC_021165.1	Ca_kabuli_chr06	49727913	GG	TT	1940370270
SNP_P1_120034_49727920	NC_021165.1	Ca_kabuli_chr06	49727920	AA	TT	1940370272
SNP_P1_120035_49727922	NC_021165.1	Ca_kabuli_chr06	49727922	GG	CC	1940370274

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120037_49727950	NC_021165.1	Ca_kabuli_chr06	49727950	TT	CC	1940370277
SNP_P1_120038_49727962	NC_021165.1	Ca_kabuli_chr06	49727962	GG	TT	1940370279
SNP_P1_120039_49727963	NC_021165.1	Ca_kabuli_chr06	49727963	GG	TT	1940370281
SNP_P1_120040_49727968	NC_021165.1	Ca_kabuli_chr06	49727968	AA	GG	1940370283
SNP_P1_120041_49727979	NC_021165.1	Ca_kabuli_chr06	49727979	TT	GG	1940370284
SNP_P1_120042_49727993	NC_021165.1	Ca_kabuli_chr06	49727993	TT	GG	1940370286
SNP_P1_120043_49728150	NC_021165.1	Ca_kabuli_chr06	49728150	AA	GG	1940370288
SNP_P1_120044_49728480	NC_021165.1	Ca_kabuli_chr06	49728480	CC	TT	1940370290
SNP_P1_120045_49728496	NC_021165.1	Ca_kabuli_chr06	49728496	GG	AA	1940370292
SNP_P1_120046_49728632	NC_021165.1	Ca_kabuli_chr06	49728632	TT	AA	1940370293
SNP_P1_120048_49738033	NC_021165.1	Ca_kabuli_chr06	49738033	TT	CC	1940370295
SNP_P1_120050_49739821	NC_021165.1	Ca_kabuli_chr06	49739821	GG	AA	1940370297
SNP_P1_120052_49745453	NC_021165.1	Ca_kabuli_chr06	49745453	AA	CC	1940370299
SNP_P1_120053_49766493	NC_021165.1	Ca_kabuli_chr06	49766493	AA	GG	1940370300
SNP_P1_120054_49766831	NC_021165.1	Ca_kabuli_chr06	49766831	TT	CC	1940370302
SNP_P1_120055_49767944	NC_021165.1	Ca_kabuli_chr06	49767944	CC	AA	1940370304
SNP_P1_120056_49767972	NC_021165.1	Ca_kabuli_chr06	49767972	GG	TT	1940370306
SNP_P1_120057_49769698	NC_021165.1	Ca_kabuli_chr06	49769698	TT	GG	1940370307
SNP_P1_120058_49771221	NC_021165.1	Ca_kabuli_chr06	49771221	TT	AA	1940370309
SNP_P1_120059_49771223	NC_021165.1	Ca_kabuli_chr06	49771223	AA	GG	1940370311
SNP_P1_120060_49778460	NC_021165.1	Ca_kabuli_chr06	49778460	AA	GG	1940370313
SNP_P1_120061_49790163	NC_021165.1	Ca_kabuli_chr06	49790163	GG	AA	1940370314
SNP_P1_120062_49806591	NC_021165.1	Ca_kabuli_chr06	49806591	TT	GG	1940370316
SNP_P1_120063_49807753	NC_021165.1	Ca_kabuli_chr06	49807753	AA	GG	1940370318
SNP_P1_120064_49807769	NC_021165.1	Ca_kabuli_chr06	49807769	GG	TT	1940370320
SNP_P1_120065_49808672	NC_021165.1	Ca_kabuli_chr06	49808672	TT	CC	1940370321
SNP_P1_120066_49848847	NC_021165.1	Ca_kabuli_chr06	49848847	TT	AA	1940370323
SNP_P1_120070_49870650	NC_021165.1	Ca_kabuli_chr06	49870650	TT	CC	1940370325
SNP_P1_120072_49891321	NC_021165.1	Ca_kabuli_chr06	49891321	TT	CC	1940370327
SNP_P1_120073_49894459	NC_021165.1	Ca_kabuli_chr06	49894459	CC	TT	1940370328
SNP_P1_120074_49897777	NC_021165.1	Ca_kabuli_chr06	49897777	GG	AA	1940370330
SNP_P1_120075_49916899	NC_021165.1	Ca_kabuli_chr06	49916899	AA	CC	1940370332
SNP_P1_120076_49916901	NC_021165.1	Ca_kabuli_chr06	49916901	AA	CC	1940370334
SNP_P1_120077_49924684	NC_021165.1	Ca_kabuli_chr06	49924684	CC	AA	1940370335
SNP_P1_120078_49944917	NC_021165.1	Ca_kabuli_chr06	49944917	CC	TT	1940370337
SNP_P1_120079_49953844	NC_021165.1	Ca_kabuli_chr06	49953844	AA	GG	1940370339
SNP_P1_120080_49953922	NC_021165.1	Ca_kabuli_chr06	49953922	TT	GG	1940370341
SNP_P1_120081_49954030	NC_021165.1	Ca_kabuli_chr06	49954030	AA	GG	1940370342
SNP_P1_120082_49983413	NC_021165.1	Ca_kabuli_chr06	49983413	GG	AA	1940370344
SNP_P1_120083_49994128	NC_021165.1	Ca_kabuli_chr06	49994128	AA	GG	1940370346
SNP_P1_120085_49998749	NC_021165.1	Ca_kabuli_chr06	49998749	TT	CC	1940370348

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120088_50023270	NC_021165.1	Ca_kabuli_chr06	50023270	GG	AA	1940370351
SNP_P1_120089_50029437	NC_021165.1	Ca_kabuli_chr06	50029437	GG	AA	1940370353
SNP_P1_120091_50052991	NC_021165.1	Ca_kabuli_chr06	50052991	TT	CC	1940370355
SNP_P1_120092_50091387	NC_021165.1	Ca_kabuli_chr06	50091387	GG	TT	1940370357
SNP_P1_120093_50104623	NC_021165.1	Ca_kabuli_chr06	50104623	AA	GG	1940370358
SNP_P1_120094_50123875	NC_021165.1	Ca_kabuli_chr06	50123875	GG	AA	1940370360
SNP_P1_120095_50131847	NC_021165.1	Ca_kabuli_chr06	50131847	GG	AA	1940370362
SNP_P1_120096_50133863	NC_021165.1	Ca_kabuli_chr06	50133863	GG	TT	1940370364
SNP_P1_120097_50135784	NC_021165.1	Ca_kabuli_chr06	50135784	AA	GG	1940370365
SNP_P1_120098_50135785	NC_021165.1	Ca_kabuli_chr06	50135785	AA	CC	1940370367
SNP_P1_120099_50145929	NC_021165.1	Ca_kabuli_chr06	50145929	CC	TT	1940370369
SNP_P1_120100_50146922	NC_021165.1	Ca_kabuli_chr06	50146922	TT	CC	1940370371
SNP_P1_120101_50146984	NC_021165.1	Ca_kabuli_chr06	50146984	AA	TT	1940370372
SNP_P1_120102_50146994	NC_021165.1	Ca_kabuli_chr06	50146994	AA	CC	1940370374
SNP_P1_120103_50147276	NC_021165.1	Ca_kabuli_chr06	50147276	CC	AA	1940370376
SNP_P1_120104_50148683	NC_021165.1	Ca_kabuli_chr06	50148683	AA	GG	1940370378
SNP_P1_120105_50148692	NC_021165.1	Ca_kabuli_chr06	50148692	TT	CC	1940370379
SNP_P1_120106_50148698	NC_021165.1	Ca_kabuli_chr06	50148698	AA	GG	1940370381
SNP_P1_120107_50148776	NC_021165.1	Ca_kabuli_chr06	50148776	AA	TT	1940370383
SNP_P1_120108_50149013	NC_021165.1	Ca_kabuli_chr06	50149013	TT	GG	1940370385
SNP_P1_120109_50153419	NC_021165.1	Ca_kabuli_chr06	50153419	GG	AA	1940370386
SNP_P1_120110_50155709	NC_021165.1	Ca_kabuli_chr06	50155709	AA	GG	1940370388
SNP_P1_120111_50162493	NC_021165.1	Ca_kabuli_chr06	50162493	TT	AA	1940370390
SNP_P1_120112_50162501	NC_021165.1	Ca_kabuli_chr06	50162501	CC	TT	1940370392
SNP_P1_120113_50162580	NC_021165.1	Ca_kabuli_chr06	50162580	CC	TT	1940370393
SNP_P1_120114_50162804	NC_021165.1	Ca_kabuli_chr06	50162804	AA	TT	1940370395
SNP_P1_120115_50162878	NC_021165.1	Ca_kabuli_chr06	50162878	GG	AA	1940370397
SNP_P1_120116_50162918	NC_021165.1	Ca_kabuli_chr06	50162918	CC	TT	1940370399
SNP_P1_120117_50162981	NC_021165.1	Ca_kabuli_chr06	50162981	TT	CC	1940370400
SNP_P1_120118_50163227	NC_021165.1	Ca_kabuli_chr06	50163227	AA	GG	1940370402
SNP_P1_120119_50163264	NC_021165.1	Ca_kabuli_chr06	50163264	GG	AA	1940370404
SNP_P1_120120_50185084	NC_021165.1	Ca_kabuli_chr06	50185084	TT	CC	1940370406
SNP_P1_120121_50185095	NC_021165.1	Ca_kabuli_chr06	50185095	TT	GG	1940370407
SNP_P1_120122_50185099	NC_021165.1	Ca_kabuli_chr06	50185099	CC	TT	1940370409
SNP_P1_120123_50185148	NC_021165.1	Ca_kabuli_chr06	50185148	TT	GG	1940370411
SNP_P1_120124_50185229	NC_021165.1	Ca_kabuli_chr06	50185229	AA	TT	1940370413
SNP_P1_120125_50191944	NC_021165.1	Ca_kabuli_chr06	50191944	AA	GG	1940370415
SNP_P1_120126_50191990	NC_021165.1	Ca_kabuli_chr06	50191990	TT	CC	1940370416
SNP_P1_120127_50192261	NC_021165.1	Ca_kabuli_chr06	50192261	TT	CC	1940370418
SNP_P1_120128_50208625	NC_021165.1	Ca_kabuli_chr06	50208625	TT	CC	1940370420
SNP_P1_120129_50237642	NC_021165.1	Ca_kabuli_chr06	50237642	TT	CC	1940370422

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120131_50288063	NC_021165.1	Ca_kabuli_chr06	50288063	TT	GG	1940370425
SNP_P1_120132_50295739	NC_021165.1	Ca_kabuli_chr06	50295739	GG	AA	1940370427
SNP_P1_120133_50296072	NC_021165.1	Ca_kabuli_chr06	50296072	TT	CC	1940370429
SNP_P1_120134_50296074	NC_021165.1	Ca_kabuli_chr06	50296074	GG	AA	1940370430
SNP_P1_120135_50296102	NC_021165.1	Ca_kabuli_chr06	50296102	AA	GG	1940370432
SNP_P1_120136_50296159	NC_021165.1	Ca_kabuli_chr06	50296159	GG	AA	1940370434
SNP_P1_120137_50296225	NC_021165.1	Ca_kabuli_chr06	50296225	CC	AA	1940370436
SNP_P1_120138_50296252	NC_021165.1	Ca_kabuli_chr06	50296252	AA	TT	1940370437
SNP_P1_120139_50296255	NC_021165.1	Ca_kabuli_chr06	50296255	AA	TT	1940370439
SNP_P1_120140_50296290	NC_021165.1	Ca_kabuli_chr06	50296290	CC	AA	1940370441
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SNP_P1_120142_50296295	NC_021165.1	Ca_kabuli_chr06	50296295	TT	CC	1940370444
SNP_P1_120143_50296327	NC_021165.1	Ca_kabuli_chr06	50296327	TT	CC	1940370446
SNP_P1_120144_50300829	NC_021165.1	Ca_kabuli_chr06	50300829	GG	AA	1940370448
SNP_P1_120145_50300836	NC_021165.1	Ca_kabuli_chr06	50300836	GG	AA	1940370450
SNP_P1_120146_50300864	NC_021165.1	Ca_kabuli_chr06	50300864	AA	GG	1940370451
SNP_P1_120147_50300877	NC_021165.1	Ca_kabuli_chr06	50300877	AA	GG	1940370453
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SNP_P1_120149_50301173	NC_021165.1	Ca_kabuli_chr06	50301173	GG	AA	1940370457
SNP_P1_120150_50301349	NC_021165.1	Ca_kabuli_chr06	50301349	TT	AA	1940370458
SNP_P1_120151_50301382	NC_021165.1	Ca_kabuli_chr06	50301382	GG	AA	1940370460
SNP_P1_120152_50301410	NC_021165.1	Ca_kabuli_chr06	50301410	TT	AA	1940370462
SNP_P1_120153_50321925	NC_021165.1	Ca_kabuli_chr06	50321925	CC	GG	1940370464
SNP_P1_120154_50341150	NC_021165.1	Ca_kabuli_chr06	50341150	TT	CC	1940370465
SNP_P1_120155_50348386	NC_021165.1	Ca_kabuli_chr06	50348386	CC	AA	1940370467
SNP_P1_120156_50356842	NC_021165.1	Ca_kabuli_chr06	50356842	CC	TT	1940370469
SNP_P1_120157_50391490	NC_021165.1	Ca_kabuli_chr06	50391490	GG	TT	1940370471
SNP_P1_120158_50400826	NC_021165.1	Ca_kabuli_chr06	50400826	TT	GG	1940370472
SNP_P1_120159_50407468	NC_021165.1	Ca_kabuli_chr06	50407468	GG	AA	1940370474
SNP_P1_120160_50416122	NC_021165.1	Ca_kabuli_chr06	50416122	GG	AA	1940370476
SNP_P1_120161_50425623	NC_021165.1	Ca_kabuli_chr06	50425623	AA	GG	1940370478
SNP_P1_120162_50454877	NC_021165.1	Ca_kabuli_chr06	50454877	GG	TT	1940370479
SNP_P1_120163_50455102	NC_021165.1	Ca_kabuli_chr06	50455102	CC	TT	1940370481
SNP_P1_120164_50466116	NC_021165.1	Ca_kabuli_chr06	50466116	CC	TT	1940370483
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SNP_P1_120168_50491997	NC_021165.1	Ca_kabuli_chr06	50491997	GG	AA	1940370487
SNP_P1_120169_50492809	NC_021165.1	Ca_kabuli_chr06	50492809	CC	TT	1940370488
SNP_P1_120170_50496110	NC_021165.1	Ca_kabuli_chr06	50496110	GG	AA	1940370490
SNP_P1_120172_50525420	NC_021165.1	Ca_kabuli_chr06	50525420	CC	TT	1940370492
SNP_P1_120174_50545842	NC_021165.1	Ca_kabuli_chr06	50545842	GG	AA	1940370494
SNP_P1_120175_50568117	NC_021165.1	Ca_kabuli_chr06	50568117	TT	CC	1940370495

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120177_50583025	NC_021165.1	Ca_kabuli_chr06	50583025	GG	AA	1940370499
SNP_P1_120179_50605796	NC_021165.1	Ca_kabuli_chr06	50605796	AA	GG	1940370501
SNP_P1_120180_50606112	NC_021165.1	Ca_kabuli_chr06	50606112	AA	GG	1940370502
SNP_P1_120181_50650096	NC_021165.1	Ca_kabuli_chr06	50650096	TT	GG	1940370504
SNP_P1_120182_50676262	NC_021165.1	Ca_kabuli_chr06	50676262	TT	GG	1940370506
SNP_P1_120183_50681175	NC_021165.1	Ca_kabuli_chr06	50681175	AA	TT	1940370508
SNP_P1_120184_50681179	NC_021165.1	Ca_kabuli_chr06	50681179	AA	TT	1940370509
SNP_P1_120185_50682232	NC_021165.1	Ca_kabuli_chr06	50682232	AA	TT	1940370511
SNP_P1_120186_50759848	NC_021165.1	Ca_kabuli_chr06	50759848	CC	TT	1940370513
SNP_P1_120187_50760995	NC_021165.1	Ca_kabuli_chr06	50760995	GG	AA	1940370515
SNP_P1_120189_50781079	NC_021165.1	Ca_kabuli_chr06	50781079	AA	CC	1940370516
SNP_P1_120190_50786229	NC_021165.1	Ca_kabuli_chr06	50786229	CC	TT	1940370518
SNP_P1_120191_50788096	NC_021165.1	Ca_kabuli_chr06	50788096	AA	TT	1940370520
SNP_P1_120192_50792765	NC_021165.1	Ca_kabuli_chr06	50792765	CC	GG	1940370522
SNP_P1_120193_50796792	NC_021165.1	Ca_kabuli_chr06	50796792	TT	CC	1940370523
SNP_P1_120194_50796797	NC_021165.1	Ca_kabuli_chr06	50796797	AA	GG	1940370525
SNP_P1_120195_50796818	NC_021165.1	Ca_kabuli_chr06	50796818	TT	CC	1940370527
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SNP_P1_120197_50796883	NC_021165.1	Ca_kabuli_chr06	50796883	TT	CC	1940370530
SNP_P1_120198_50797048	NC_021165.1	Ca_kabuli_chr06	50797048	AA	GG	1940370532
SNP_P1_120199_50797051	NC_021165.1	Ca_kabuli_chr06	50797051	TT	GG	1940370534
SNP_P1_120200_50797117	NC_021165.1	Ca_kabuli_chr06	50797117	CC	TT	1940370536
SNP_P1_120201_50797170	NC_021165.1	Ca_kabuli_chr06	50797170	CC	TT	1940370537
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SNP_P1_120204_50797326	NC_021165.1	Ca_kabuli_chr06	50797326	GG	AA	1940370543
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SNP_P1_120206_50797480	NC_021165.1	Ca_kabuli_chr06	50797480	GG	AA	1940370546
SNP_P1_120207_50797481	NC_021165.1	Ca_kabuli_chr06	50797481	GG	AA	1940370548
SNP_P1_120208_50797504	NC_021165.1	Ca_kabuli_chr06	50797504	TT	AA	1940370550
SNP_P1_120209_50797525	NC_021165.1	Ca_kabuli_chr06	50797525	GG	AA	1940370552
SNP_P1_120210_50797531	NC_021165.1	Ca_kabuli_chr06	50797531	CC	GG	1940370553
SNP_P1_120211_50797536	NC_021165.1	Ca_kabuli_chr06	50797536	CC	AA	1940370555
SNP_P1_120212_50797616	NC_021165.1	Ca_kabuli_chr06	50797616	CC	AA	1940370557
SNP_P1_120213_50797674	NC_021165.1	Ca_kabuli_chr06	50797674	CC	AA	1940370559
SNP_P1_120214_50797872	NC_021165.1	Ca_kabuli_chr06	50797872	TT	CC	1940370560
SNP_P1_120215_50797873	NC_021165.1	Ca_kabuli_chr06	50797873	GG	TT	1940370562
SNP_P1_120216_50797903	NC_021165.1	Ca_kabuli_chr06	50797903	TT	AA	1940370564
SNP_P1_120217_50797991	NC_021165.1	Ca_kabuli_chr06	50797991	TT	AA	1940370566
SNP_P1_120218_50798090	NC_021165.1	Ca_kabuli_chr06	50798090	GG	CC	1940370567
SNP_P1_120219_50798119	NC_021165.1	Ca_kabuli_chr06	50798119	CC	TT	1940370569

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120222_50798253	NC_021165.1	Ca_kabuli_chr06	50798253	TT	CC	1940370574
SNP_P1_120223_50798260	NC_021165.1	Ca_kabuli_chr06	50798260	AA	GG	1940370576
SNP_P1_120224_50798261	NC_021165.1	Ca_kabuli_chr06	50798261	AA	GG	1940370578
SNP_P1_120225_50798364	NC_021165.1	Ca_kabuli_chr06	50798364	CC	TT	1940370580
SNP_P1_120226_50798668	NC_021165.1	Ca_kabuli_chr06	50798668	CC	GG	1940370581
SNP_P1_120227_50798723	NC_021165.1	Ca_kabuli_chr06	50798723	GG	TT	1940370583
SNP_P1_120228_50799517	NC_021165.1	Ca_kabuli_chr06	50799517	AA	GG	1940370585
SNP_P1_120229_50799566	NC_021165.1	Ca_kabuli_chr06	50799566	GG	AA	1940370587
SNP_P1_120230_50799567	NC_021165.1	Ca_kabuli_chr06	50799567	GG	AA	1940370588
SNP_P1_120231_50799625	NC_021165.1	Ca_kabuli_chr06	50799625	AA	TT	1940370590
SNP_P1_120232_50799645	NC_021165.1	Ca_kabuli_chr06	50799645	CC	AA	1940370592
SNP_P1_120233_50799822	NC_021165.1	Ca_kabuli_chr06	50799822	GG	AA	1940370594
SNP_P1_120234_50817725	NC_021165.1	Ca_kabuli_chr06	50817725	TT	AA	1940370595
SNP_P1_120235_50818104	NC_021165.1	Ca_kabuli_chr06	50818104	AA	GG	1940370597
SNP_P1_120237_50829342	NC_021165.1	Ca_kabuli_chr06	50829342	AA	TT	1940370599
SNP_P1_120238_50829351	NC_021165.1	Ca_kabuli_chr06	50829351	TT	AA	1940370601
SNP_P1_120239_50830309	NC_021165.1	Ca_kabuli_chr06	50830309	CC	TT	1940370602
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SNP_P1_120241_50861513	NC_021165.1	Ca_kabuli_chr06	50861513	AA	TT	1940370606
SNP_P1_120242_50865925	NC_021165.1	Ca_kabuli_chr06	50865925	CC	TT	1940370608
SNP_P1_120243_50865981	NC_021165.1	Ca_kabuli_chr06	50865981	CC	AA	1940370609
SNP_P1_120244_50869318	NC_021165.1	Ca_kabuli_chr06	50869318	GG	TT	1940370611
SNP_P1_120245_50875450	NC_021165.1	Ca_kabuli_chr06	50875450	CC	TT	1940370613
SNP_P1_120246_50885087	NC_021165.1	Ca_kabuli_chr06	50885087	GG	AA	1940370615
SNP_P1_120247_50908811	NC_021165.1	Ca_kabuli_chr06	50908811	GG	AA	1940370616
SNP_P1_120248_50933846	NC_021165.1	Ca_kabuli_chr06	50933846	CC	TT	1940370618
SNP_P1_120249_50966865	NC_021165.1	Ca_kabuli_chr06	50966865	CC	AA	1940370620
SNP_P1_120250_50975920	NC_021165.1	Ca_kabuli_chr06	50975920	GG	CC	1940370622
SNP_P1_120251_50977086	NC_021165.1	Ca_kabuli_chr06	50977086	CC	TT	1940370623
SNP_P1_120252_50977168	NC_021165.1	Ca_kabuli_chr06	50977168	TT	AA	1940370625
SNP_P1_120253_50977186	NC_021165.1	Ca_kabuli_chr06	50977186	TT	CC	1940370627
SNP_P1_120254_50977340	NC_021165.1	Ca_kabuli_chr06	50977340	CC	TT	1940370629
SNP_P1_120255_50977467	NC_021165.1	Ca_kabuli_chr06	50977467	AA	GG	1940370630
SNP_P1_120256_50977580	NC_021165.1	Ca_kabuli_chr06	50977580	GG	TT	1940370632
SNP_P1_120257_50984572	NC_021165.1	Ca_kabuli_chr06	50984572	GG	TT	1940370634
SNP_P1_120258_51007689	NC_021165.1	Ca_kabuli_chr06	51007689	GG	TT	1940370636
SNP_P1_120259_51009261	NC_021165.1	Ca_kabuli_chr06	51009261	TT	AA	1940370637
SNP_P1_120262_51027782	NC_021165.1	Ca_kabuli_chr06	51027782	AA	GG	1940370639
SNP_P1_120263_51031593	NC_021165.1	Ca_kabuli_chr06	51031593	TT	CC	1940370641
SNP_P1_120264_51041992	NC_021165.1	Ca_kabuli_chr06	51041992	CC	TT	1940370643

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120266_51045266	NC_021165.1	Ca_kabuli_chr06	51045266	TT	CC	1940370646
SNP_P1_120267_51068347	NC_021165.1	Ca_kabuli_chr06	51068347	AA	CC	1940370648
SNP_P1_120268_51068652	NC_021165.1	Ca_kabuli_chr06	51068652	AA	GG	1940370650
SNP_P1_120269_51073823	NC_021165.1	Ca_kabuli_chr06	51073823	TT	CC	1940370652
SNP_P1_120270_51075513	NC_021165.1	Ca_kabuli_chr06	51075513	GG	CC	1940370653
SNP_P1_120271_51082486	NC_021165.1	Ca_kabuli_chr06	51082486	CC	TT	1940370655
SNP_P1_120272_51088222	NC_021165.1	Ca_kabuli_chr06	51088222	AA	GG	1940370657
SNP_P1_120273_51088246	NC_021165.1	Ca_kabuli_chr06	51088246	AA	GG	1940370659
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SNP_P1_120277_51132035	NC_021165.1	Ca_kabuli_chr06	51132035	GG	AA	1940370664
SNP_P1_120278_51134702	NC_021165.1	Ca_kabuli_chr06	51134702	GG	AA	1940370666
SNP_P1_120279_51177022	NC_021165.1	Ca_kabuli_chr06	51177022	GG	CC	1940370667
SNP_P1_120280_51185312	NC_021165.1	Ca_kabuli_chr06	51185312	TT	CC	1940370669
SNP_P1_120281_51219779	NC_021165.1	Ca_kabuli_chr06	51219779	AA	GG	1940370671
SNP_P1_120282_51219781	NC_021165.1	Ca_kabuli_chr06	51219781	GG	AA	1940370673
SNP_P1_120283_51219783	NC_021165.1	Ca_kabuli_chr06	51219783	CC	AA	1940370674
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SNP_P1_120286_51220334	NC_021165.1	Ca_kabuli_chr06	51220334	AA	GG	1940370678
SNP_P1_120287_51235195	NC_021165.1	Ca_kabuli_chr06	51235195	TT	GG	1940370680
SNP_P1_120288_51256721	NC_021165.1	Ca_kabuli_chr06	51256721	CC	TT	1940370681
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SNP_P1_120297_51372446	NC_021165.1	Ca_kabuli_chr06	51372446	CC	TT	1940370694
SNP_P1_120299_51394432	NC_021165.1	Ca_kabuli_chr06	51394432	AA	CC	1940370695
SNP_P1_120301_51398852	NC_021165.1	Ca_kabuli_chr06	51398852	GG	AA	1940370697
SNP_P1_120302_51411309	NC_021165.1	Ca_kabuli_chr06	51411309	AA	TT	1940370699
SNP_P1_120303_51420081	NC_021165.1	Ca_kabuli_chr06	51420081	GG	AA	1940370701
SNP_P1_120306_51434125	NC_021165.1	Ca_kabuli_chr06	51434125	TT	CC	1940370702
SNP_P1_120307_51444381	NC_021165.1	Ca_kabuli_chr06	51444381	AA	GG	1940370704
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SNP_P1_120309_51444434	NC_021165.1	Ca_kabuli_chr06	51444434	AA	GG	1940370708
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SNP_P1_120311_51444475	NC_021165.1	Ca_kabuli_chr06	51444475	AA	CC	1940370711
SNP_P1_120312_51444476	NC_021165.1	Ca_kabuli_chr06	51444476	TT	CC	1940370713
SNP_P1_120313_51444477	NC_021165.1	Ca_kabuli_chr06	51444477	TT	CC	1940370715
SNP_P1_120314_51444478	NC_021165.1	Ca_kabuli_chr06	51444478	TT	CC	1940370717

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120317_51444608	NC_021165.1	Ca_kabuli_chr06	51444608	AA	CC	1940370722
SNP_P1_120320_51473493	NC_021165.1	Ca_kabuli_chr06	51473493	AA	CC	1940370724
SNP_P1_120321_51473495	NC_021165.1	Ca_kabuli_chr06	51473495	AA	TT	1940370725
SNP_P1_120323_51482593	NC_021165.1	Ca_kabuli_chr06	51482593	CC	TT	1940370727
SNP_P1_120325_51482640	NC_021165.1	Ca_kabuli_chr06	51482640	AA	CC	1940370729
SNP_P1_120327_51485749	NC_021165.1	Ca_kabuli_chr06	51485749	TT	CC	1940370731
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SNP_P1_120329_51488607	NC_021165.1	Ca_kabuli_chr06	51488607	AA	GG	1940370734
SNP_P1_120330_51504461	NC_021165.1	Ca_kabuli_chr06	51504461	TT	CC	1940370736
SNP_P1_120331_51504559	NC_021165.1	Ca_kabuli_chr06	51504559	CC	TT	1940370738
SNP_P1_120333_51504970	NC_021165.1	Ca_kabuli_chr06	51504970	AA	TT	1940370739
SNP_P1_120334_51506612	NC_021165.1	Ca_kabuli_chr06	51506612	AA	GG	1940370741
SNP_P1_120335_51506743	NC_021165.1	Ca_kabuli_chr06	51506743	CC	AA	1940370743
SNP_P1_120336_51506777	NC_021165.1	Ca_kabuli_chr06	51506777	TT	AA	1940370745
SNP_P1_120337_51506858	NC_021165.1	Ca_kabuli_chr06	51506858	AA	GG	1940370746
SNP_P1_120338_51521917	NC_021165.1	Ca_kabuli_chr06	51521917	AA	TT	1940370748
SNP_P1_120339_51523716	NC_021165.1	Ca_kabuli_chr06	51523716	AA	GG	1940370750
SNP_P1_120340_51523718	NC_021165.1	Ca_kabuli_chr06	51523718	CC	AA	1940370752
SNP_P1_120341_51529117	NC_021165.1	Ca_kabuli_chr06	51529117	TT	GG	1940370753
SNP_P1_120342_51533892	NC_021165.1	Ca_kabuli_chr06	51533892	GG	AA	1940370755
SNP_P1_120343_51533893	NC_021165.1	Ca_kabuli_chr06	51533893	AA	GG	1940370757
SNP_P1_120344_51537011	NC_021165.1	Ca_kabuli_chr06	51537011	CC	AA	1940370759
SNP_P1_120345_51537047	NC_021165.1	Ca_kabuli_chr06	51537047	TT	CC	1940370760
SNP_P1_120346_51537070	NC_021165.1	Ca_kabuli_chr06	51537070	TT	CC	1940370762
SNP_P1_120347_51537111	NC_021165.1	Ca_kabuli_chr06	51537111	GG	AA	1940370764
SNP_P1_120348_51558118	NC_021165.1	Ca_kabuli_chr06	51558118	TT	CC	1940370766
SNP_P1_120349_51558122	NC_021165.1	Ca_kabuli_chr06	51558122	GG	AA	1940370767
SNP_P1_120350_51566225	NC_021165.1	Ca_kabuli_chr06	51566225	AA	TT	1940370769
SNP_P1_120351_51572903	NC_021165.1	Ca_kabuli_chr06	51572903	AA	GG	1940370771
SNP_P1_120352_51588772	NC_021165.1	Ca_kabuli_chr06	51588772	AA	GG	1940370773
SNP_P1_120353_51593324	NC_021165.1	Ca_kabuli_chr06	51593324	CC	TT	1940370774
SNP_P1_120354_51593340	NC_021165.1	Ca_kabuli_chr06	51593340	GG	TT	1940370776
SNP_P1_120355_51593387	NC_021165.1	Ca_kabuli_chr06	51593387	TT	GG	1940370778
SNP_P1_120356_51593398	NC_021165.1	Ca_kabuli_chr06	51593398	TT	AA	1940370780
SNP_P1_120357_51593409	NC_021165.1	Ca_kabuli_chr06	51593409	GG	AA	1940370782
SNP_P1_120358_51594139	NC_021165.1	Ca_kabuli_chr06	51594139	GG	AA	1940370783
SNP_P1_120359_51594141	NC_021165.1	Ca_kabuli_chr06	51594141	GG	AA	1940370785
SNP_P1_120360_51617449	NC_021165.1	Ca_kabuli_chr06	51617449	TT	CC	1940370787
SNP_P1_120361_51619509	NC_021165.1	Ca_kabuli_chr06	51619509	AA	TT	1940370789
SNP_P1_120362_51620052	NC_021165.1	Ca_kabuli_chr06	51620052	AA	GG	1940370790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120365_51649690	NC_021165.1	Ca_kabuli_chr06	51649690	TT	GG	1940370796
SNP_P1_120367_51650080	NC_021165.1	Ca_kabuli_chr06	51650080	CC	TT	1940370797
SNP_P1_120368_51655402	NC_021165.1	Ca_kabuli_chr06	51655402	AA	GG	1940370799
SNP_P1_120369_51655455	NC_021165.1	Ca_kabuli_chr06	51655455	TT	AA	1940370801
SNP_P1_120370_51666430	NC_021165.1	Ca_kabuli_chr06	51666430	GG	TT	1940370803
SNP_P1_120371_51672042	NC_021165.1	Ca_kabuli_chr06	51672042	CC	TT	1940370804
SNP_P1_120372_51672074	NC_021165.1	Ca_kabuli_chr06	51672074	AA	CC	1940370806
SNP_P1_120374_51672951	NC_021165.1	Ca_kabuli_chr06	51672951	CC	AA	1940370808
SNP_P1_120375_51673291	NC_021165.1	Ca_kabuli_chr06	51673291	GG	TT	1940370810
SNP_P1_120376_51673307	NC_021165.1	Ca_kabuli_chr06	51673307	AA	TT	1940370811
SNP_P1_120377_51673379	NC_021165.1	Ca_kabuli_chr06	51673379	GG	AA	1940370813
SNP_P1_120378_51675181	NC_021165.1	Ca_kabuli_chr06	51675181	TT	CC	1940370815
SNP_P1_120379_51675222	NC_021165.1	Ca_kabuli_chr06	51675222	GG	AA	1940370817
SNP_P1_120380_51675231	NC_021165.1	Ca_kabuli_chr06	51675231	CC	TT	1940370819
SNP_P1_120381_51675233	NC_021165.1	Ca_kabuli_chr06	51675233	GG	AA	1940370820
SNP_P1_120382_51675262	NC_021165.1	Ca_kabuli_chr06	51675262	GG	AA	1940370822
SNP_P1_120383_51675264	NC_021165.1	Ca_kabuli_chr06	51675264	GG	AA	1940370824
SNP_P1_120384_51675466	NC_021165.1	Ca_kabuli_chr06	51675466	CC	GG	1940370826
SNP_P1_120385_51675476	NC_021165.1	Ca_kabuli_chr06	51675476	CC	TT	1940370827
SNP_P1_120387_51675562	NC_021165.1	Ca_kabuli_chr06	51675562	TT	CC	1940370829
SNP_P1_120388_51675577	NC_021165.1	Ca_kabuli_chr06	51675577	GG	AA	1940370831
SNP_P1_120389_51675595	NC_021165.1	Ca_kabuli_chr06	51675595	AA	GG	1940370833
SNP_P1_120390_51675743	NC_021165.1	Ca_kabuli_chr06	51675743	TT	CC	1940370834
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SNP_P1_120393_51678363	NC_021165.1	Ca_kabuli_chr06	51678363	TT	CC	1940370840
SNP_P1_120394_51678381	NC_021165.1	Ca_kabuli_chr06	51678381	TT	GG	1940370841
SNP_P1_120395_51685183	NC_021165.1	Ca_kabuli_chr06	51685183	TT	AA	1940370843
SNP_P1_120397_51707378	NC_021165.1	Ca_kabuli_chr06	51707378	CC	AA	1940370845
SNP_P1_120398_51725178	NC_021165.1	Ca_kabuli_chr06	51725178	CC	TT	1940370847
SNP_P1_120399_51725185	NC_021165.1	Ca_kabuli_chr06	51725185	TT	AA	1940370848
SNP_P1_120400_51725187	NC_021165.1	Ca_kabuli_chr06	51725187	TT	AA	1940370850
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SNP_P1_120402_51725386	NC_021165.1	Ca_kabuli_chr06	51725386	CC	TT	1940370854
SNP_P1_120403_51725490	NC_021165.1	Ca_kabuli_chr06	51725490	GG	AA	1940370855
SNP_P1_120404_51725706	NC_021165.1	Ca_kabuli_chr06	51725706	TT	CC	1940370857
SNP_P1_120406_51737366	NC_021165.1	Ca_kabuli_chr06	51737366	TT	CC	1940370859
SNP_P1_120408_51764323	NC_021165.1	Ca_kabuli_chr06	51764323	CC	AA	1940370861
SNP_P1_120409_51764465	NC_021165.1	Ca_kabuli_chr06	51764465	AA	GG	1940370863
SNP_P1_120410_51767512	NC_021165.1	Ca_kabuli_chr06	51767512	AA	CC	1940370864

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120412_51767876	NC_021165.1	Ca_kabuli_chr06	51767876	TT	GG	1940370868
SNP_P1_120413_51767889	NC_021165.1	Ca_kabuli_chr06	51767889	AA	GG	1940370870
SNP_P1_120414_51767902	NC_021165.1	Ca_kabuli_chr06	51767902	AA	CC	1940370871
SNP_P1_120415_51768028	NC_021165.1	Ca_kabuli_chr06	51768028	GG	AA	1940370873
SNP_P1_120416_51768069	NC_021165.1	Ca_kabuli_chr06	51768069	TT	GG	1940370875
SNP_P1_120417_51770213	NC_021165.1	Ca_kabuli_chr06	51770213	AA	GG	1940370877
SNP_P1_120418_51770292	NC_021165.1	Ca_kabuli_chr06	51770292	CC	TT	1940370878
SNP_P1_120419_51770311	NC_021165.1	Ca_kabuli_chr06	51770311	TT	CC	1940370880
SNP_P1_120420_51770358	NC_021165.1	Ca_kabuli_chr06	51770358	AA	CC	1940370882
SNP_P1_120421_51770385	NC_021165.1	Ca_kabuli_chr06	51770385	CC	TT	1940370884
SNP_P1_120422_51771391	NC_021165.1	Ca_kabuli_chr06	51771391	CC	TT	1940370885
SNP_P1_120423_51771449	NC_021165.1	Ca_kabuli_chr06	51771449	AA	GG	1940370887
SNP_P1_120425_51771534	NC_021165.1	Ca_kabuli_chr06	51771534	AA	CC	1940370889
SNP_P1_120426_51771762	NC_021165.1	Ca_kabuli_chr06	51771762	GG	AA	1940370891
SNP_P1_120427_51772586	NC_021165.1	Ca_kabuli_chr06	51772586	AA	TT	1940370893
SNP_P1_120428_51772820	NC_021165.1	Ca_kabuli_chr06	51772820	AA	GG	1940370894
SNP_P1_120429_51772898	NC_021165.1	Ca_kabuli_chr06	51772898	AA	TT	1940370896
SNP_P1_120430_51773107	NC_021165.1	Ca_kabuli_chr06	51773107	TT	CC	1940370898
SNP_P1_120431_51773194	NC_021165.1	Ca_kabuli_chr06	51773194	AA	GG	1940370900
SNP_P1_120432_51774401	NC_021165.1	Ca_kabuli_chr06	51774401	TT	AA	1940370901
SNP_P1_120433_51774406	NC_021165.1	Ca_kabuli_chr06	51774406	GG	AA	1940370903
SNP_P1_120434_51774409	NC_021165.1	Ca_kabuli_chr06	51774409	CC	AA	1940370905
SNP_P1_120436_51775713	NC_021165.1	Ca_kabuli_chr06	51775713	GG	AA	1940370907
SNP_P1_120439_51775921	NC_021165.1	Ca_kabuli_chr06	51775921	CC	TT	1940370908
SNP_P1_120440_51775941	NC_021165.1	Ca_kabuli_chr06	51775941	TT	CC	1940370910
SNP_P1_120441_51776063	NC_021165.1	Ca_kabuli_chr06	51776063	AA	TT	1940370912
SNP_P1_120443_51797586	NC_021165.1	Ca_kabuli_chr06	51797586	CC	AA	1940370914
SNP_P1_120444_51798833	NC_021165.1	Ca_kabuli_chr06	51798833	GG	CC	1940370915
SNP_P1_120445_51802102	NC_021165.1	Ca_kabuli_chr06	51802102	CC	GG	1940370917
SNP_P1_120446_51806309	NC_021165.1	Ca_kabuli_chr06	51806309	AA	GG	1940370919
SNP_P1_120447_51806370	NC_021165.1	Ca_kabuli_chr06	51806370	AA	TT	1940370921
SNP_P1_120448_51817253	NC_021165.1	Ca_kabuli_chr06	51817253	AA	GG	1940370922
SNP_P1_120449_51822258	NC_021165.1	Ca_kabuli_chr06	51822258	AA	CC	1940370924
SNP_P1_120450_51824743	NC_021165.1	Ca_kabuli_chr06	51824743	TT	CC	1940370926
SNP_P1_120451_51824753	NC_021165.1	Ca_kabuli_chr06	51824753	GG	CC	1940370928
SNP_P1_120452_51828472	NC_021165.1	Ca_kabuli_chr06	51828472	GG	AA	1940370929
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SNP_P1_120454_51828905	NC_021165.1	Ca_kabuli_chr06	51828905	TT	AA	1940370933
SNP_P1_120455_51828966	NC_021165.1	Ca_kabuli_chr06	51828966	GG	CC	1940370935
SNP_P1_120456_51829013	NC_021165.1	Ca_kabuli_chr06	51829013	AA	GG	1940370937
SNP_P1_120457_51829224	NC_021165.1	Ca_kabuli_chr06	51829224	TT	GG	1940370938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120459_51829254	NC_021165.1	Ca_kabuli_chr06	51829254	TT	CC	1940370942
SNP_P1_120460_51829299	NC_021165.1	Ca_kabuli_chr06	51829299	CC	TT	1940370944
SNP_P1_120461_51829300	NC_021165.1	Ca_kabuli_chr06	51829300	AA	CC	1940370945
SNP_P1_120462_51829305	NC_021165.1	Ca_kabuli_chr06	51829305	AA	GG	1940370947
SNP_P1_120463_51829343	NC_021165.1	Ca_kabuli_chr06	51829343	TT	CC	1940370949
SNP_P1_120464_51829344	NC_021165.1	Ca_kabuli_chr06	51829344	CC	TT	1940370951
SNP_P1_120465_51829401	NC_021165.1	Ca_kabuli_chr06	51829401	TT	CC	1940370952
SNP_P1_120466_51829407	NC_021165.1	Ca_kabuli_chr06	51829407	GG	TT	1940370954
SNP_P1_120467_51829445	NC_021165.1	Ca_kabuli_chr06	51829445	AA	GG	1940370956
SNP_P1_120468_51830284	NC_021165.1	Ca_kabuli_chr06	51830284	CC	AA	1940370958
SNP_P1_120469_51830304	NC_021165.1	Ca_kabuli_chr06	51830304	AA	GG	1940370959
SNP_P1_120470_51831173	NC_021165.1	Ca_kabuli_chr06	51831173	AA	GG	1940370961
SNP_P1_120471_51831190	NC_021165.1	Ca_kabuli_chr06	51831190	GG	AA	1940370963
SNP_P1_120472_51866093	NC_021165.1	Ca_kabuli_chr06	51866093	TT	CC	1940370965
SNP_P1_120473_51870435	NC_021165.1	Ca_kabuli_chr06	51870435	GG	CC	1940370966
SNP_P1_120474_51872601	NC_021165.1	Ca_kabuli_chr06	51872601	TT	GG	1940370968
SNP_P1_120475_51878554	NC_021165.1	Ca_kabuli_chr06	51878554	CC	TT	1940370970
SNP_P1_120476_51880356	NC_021165.1	Ca_kabuli_chr06	51880356	TT	CC	1940370972
SNP_P1_120477_51880611	NC_021165.1	Ca_kabuli_chr06	51880611	TT	AA	1940370974
SNP_P1_120478_51880675	NC_021165.1	Ca_kabuli_chr06	51880675	AA	GG	1940370975
SNP_P1_120479_51885965	NC_021165.1	Ca_kabuli_chr06	51885965	TT	CC	1940370977
SNP_P1_120480_51897468	NC_021165.1	Ca_kabuli_chr06	51897468	AA	TT	1940370979
SNP_P1_120481_51914203	NC_021165.1	Ca_kabuli_chr06	51914203	CC	AA	1940370981
SNP_P1_120482_51922233	NC_021165.1	Ca_kabuli_chr06	51922233	AA	CC	1940370982
SNP_P1_120483_51923293	NC_021165.1	Ca_kabuli_chr06	51923293	TT	CC	1940370984
SNP_P1_120484_51937438	NC_021165.1	Ca_kabuli_chr06	51937438	TT	AA	1940370986
SNP_P1_120485_51939083	NC_021165.1	Ca_kabuli_chr06	51939083	GG	AA	1940370988
SNP_P1_120489_51959514	NC_021165.1	Ca_kabuli_chr06	51959514	AA	GG	1940370989
SNP_P1_120490_51959521	NC_021165.1	Ca_kabuli_chr06	51959521	CC	AA	1940370991
SNP_P1_120491_51959746	NC_021165.1	Ca_kabuli_chr06	51959746	AA	GG	1940370993
SNP_P1_120492_51959760	NC_021165.1	Ca_kabuli_chr06	51959760	TT	CC	1940370995
SNP_P1_120493_51959829	NC_021165.1	Ca_kabuli_chr06	51959829	GG	AA	1940370996
SNP_P1_120494_51962066	NC_021165.1	Ca_kabuli_chr06	51962066	GG	AA	1940370998
SNP_P1_120495_51982989	NC_021165.1	Ca_kabuli_chr06	51982989	TT	AA	1940371000
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SNP_P1_120497_52003768	NC_021165.1	Ca_kabuli_chr06	52003768	TT	AA	1940371003
SNP_P1_120498_52041719	NC_021165.1	Ca_kabuli_chr06	52041719	GG	TT	1940371005
SNP_P1_120500_52075027	NC_021165.1	Ca_kabuli_chr06	52075027	TT	AA	1940371007
SNP_P1_120501_52075034	NC_021165.1	Ca_kabuli_chr06	52075034	TT	GG	1940371009
SNP_P1_120503_52075115	NC_021165.1	Ca_kabuli_chr06	52075115	TT	CC	1940371010
SNP_P1_120504_52075165	NC_021165.1	Ca_kabuli_chr06	52075165	TT	CC	1940371012

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120507_52086819	NC_021165.1	Ca_kabuli_chr06	52086819	CC	AA	1940371017
SNP_P1_120508_52087910	NC_021165.1	Ca_kabuli_chr06	52087910	CC	GG	1940371019
SNP_P1_120509_52088095	NC_021165.1	Ca_kabuli_chr06	52088095	GG	CC	1940371021
SNP_P1_120510_52088185	NC_021165.1	Ca_kabuli_chr06	52088185	AA	CC	1940371023
SNP_P1_120511_52088350	NC_021165.1	Ca_kabuli_chr06	52088350	TT	CC	1940371025
SNP_P1_120512_52088388	NC_021165.1	Ca_kabuli_chr06	52088388	AA	TT	1940371026
SNP_P1_120513_52088720	NC_021165.1	Ca_kabuli_chr06	52088720	TT	GG	1940371028
SNP_P1_120514_52088826	NC_021165.1	Ca_kabuli_chr06	52088826	GG	CC	1940371030
SNP_P1_120515_52088832	NC_021165.1	Ca_kabuli_chr06	52088832	AA	GG	1940371032
SNP_P1_120516_52088834	NC_021165.1	Ca_kabuli_chr06	52088834	CC	GG	1940371033
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SNP_P1_120518_52088934	NC_021165.1	Ca_kabuli_chr06	52088934	GG	TT	1940371037
SNP_P1_120519_52088939	NC_021165.1	Ca_kabuli_chr06	52088939	AA	CC	1940371039
SNP_P1_120520_52088940	NC_021165.1	Ca_kabuli_chr06	52088940	GG	AA	1940371040
SNP_P1_120521_52088943	NC_021165.1	Ca_kabuli_chr06	52088943	GG	CC	1940371042
SNP_P1_120522_52088948	NC_021165.1	Ca_kabuli_chr06	52088948	TT	AA	1940371044
SNP_P1_120523_52088949	NC_021165.1	Ca_kabuli_chr06	52088949	TT	GG	1940371046
SNP_P1_120524_52088952	NC_021165.1	Ca_kabuli_chr06	52088952	AA	GG	1940371047
SNP_P1_120525_52088955	NC_021165.1	Ca_kabuli_chr06	52088955	GG	CC	1940371049
SNP_P1_120526_52089071	NC_021165.1	Ca_kabuli_chr06	52089071	TT	AA	1940371051
SNP_P1_120527_52089097	NC_021165.1	Ca_kabuli_chr06	52089097	CC	GG	1940371053
SNP_P1_120528_52089098	NC_021165.1	Ca_kabuli_chr06	52089098	AA	GG	1940371055
SNP_P1_120529_52089100	NC_021165.1	Ca_kabuli_chr06	52089100	AA	CC	1940371056
SNP_P1_120530_52089109	NC_021165.1	Ca_kabuli_chr06	52089109	GG	AA	1940371058
SNP_P1_120531_52089111	NC_021165.1	Ca_kabuli_chr06	52089111	TT	GG	1940371060
SNP_P1_120532_52089152	NC_021165.1	Ca_kabuli_chr06	52089152	TT	AA	1940371062
SNP_P1_120533_52089273	NC_021165.1	Ca_kabuli_chr06	52089273	AA	CC	1940371063
SNP_P1_120534_52089316	NC_021165.1	Ca_kabuli_chr06	52089316	AA	GG	1940371065
SNP_P1_120535_52089339	NC_021165.1	Ca_kabuli_chr06	52089339	CC	GG	1940371067
SNP_P1_120536_52089344	NC_021165.1	Ca_kabuli_chr06	52089344	CC	TT	1940371069
SNP_P1_120537_52089428	NC_021165.1	Ca_kabuli_chr06	52089428	GG	AA	1940371070
SNP_P1_120538_52089448	NC_021165.1	Ca_kabuli_chr06	52089448	TT	CC	1940371072
SNP_P1_120539_52089474	NC_021165.1	Ca_kabuli_chr06	52089474	GG	TT	1940371074
SNP_P1_120540_52089605	NC_021165.1	Ca_kabuli_chr06	52089605	AA	TT	1940371076
SNP_P1_120541_52089619	NC_021165.1	Ca_kabuli_chr06	52089619	TT	AA	1940371077
SNP_P1_120542_52089647	NC_021165.1	Ca_kabuli_chr06	52089647	AA	TT	1940371079
SNP_P1_120543_52089653	NC_021165.1	Ca_kabuli_chr06	52089653	AA	GG	1940371081
SNP_P1_120544_52089711	NC_021165.1	Ca_kabuli_chr06	52089711	TT	CC	1940371083
SNP_P1_120545_52089739	NC_021165.1	Ca_kabuli_chr06	52089739	CC	TT	1940371084
SNP_P1_120546_52089757	NC_021165.1	Ca_kabuli_chr06	52089757	TT	AA	1940371086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120548_52089963	NC_021165.1	Ca_kabuli_chr06	52089963	GG	AA	1940371090
SNP_P1_120549_52090004	NC_021165.1	Ca_kabuli_chr06	52090004	TT	CC	1940371092
SNP_P1_120550_52090058	NC_021165.1	Ca_kabuli_chr06	52090058	AA	TT	1940371093
SNP_P1_120551_52090060	NC_021165.1	Ca_kabuli_chr06	52090060	CC	TT	1940371095
SNP_P1_120552_52090086	NC_021165.1	Ca_kabuli_chr06	52090086	GG	CC	1940371097
SNP_P1_120554_52107478	NC_021165.1	Ca_kabuli_chr06	52107478	AA	GG	1940371099
SNP_P1_120555_52107516	NC_021165.1	Ca_kabuli_chr06	52107516	GG	CC	1940371100
SNP_P1_120556_52107528	NC_021165.1	Ca_kabuli_chr06	52107528	TT	CC	1940371102
SNP_P1_120557_52120471	NC_021165.1	Ca_kabuli_chr06	52120471	TT	AA	1940371104
SNP_P1_120558_52120478	NC_021165.1	Ca_kabuli_chr06	52120478	TT	CC	1940371106
SNP_P1_120559_52120483	NC_021165.1	Ca_kabuli_chr06	52120483	CC	AA	1940371107
SNP_P1_120560_52120508	NC_021165.1	Ca_kabuli_chr06	52120508	AA	CC	1940371109
SNP_P1_120561_52120587	NC_021165.1	Ca_kabuli_chr06	52120587	CC	AA	1940371111
SNP_P1_120562_52120729	NC_021165.1	Ca_kabuli_chr06	52120729	AA	GG	1940371113
SNP_P1_120563_52120739	NC_021165.1	Ca_kabuli_chr06	52120739	AA	TT	1940371114
SNP_P1_120564_52120757	NC_021165.1	Ca_kabuli_chr06	52120757	AA	GG	1940371116
SNP_P1_120565_52122024	NC_021165.1	Ca_kabuli_chr06	52122024	CC	GG	1940371118
SNP_P1_120566_52124742	NC_021165.1	Ca_kabuli_chr06	52124742	CC	TT	1940371120
SNP_P1_120567_52124760	NC_021165.1	Ca_kabuli_chr06	52124760	GG	AA	1940371121
SNP_P1_120568_52124783	NC_021165.1	Ca_kabuli_chr06	52124783	TT	GG	1940371123
SNP_P1_120569_52124940	NC_021165.1	Ca_kabuli_chr06	52124940	GG	TT	1940371125
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SNP_P1_120573_52125614	NC_021165.1	Ca_kabuli_chr06	52125614	CC	TT	1940371132
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SNP_P1_120577_52138762	NC_021165.1	Ca_kabuli_chr06	52138762	AA	GG	1940371137
SNP_P1_120582_52163932	NC_021165.1	Ca_kabuli_chr06	52163932	CC	GG	1940371139
SNP_P1_120584_52240184	NC_021165.1	Ca_kabuli_chr06	52240184	CC	TT	1940371141
SNP_P1_120585_52243506	NC_021165.1	Ca_kabuli_chr06	52243506	GG	AA	1940371143
SNP_P1_120586_52246388	NC_021165.1	Ca_kabuli_chr06	52246388	AA	GG	1940371144
SNP_P1_120587_52246803	NC_021165.1	Ca_kabuli_chr06	52246803	TT	AA	1940371146
SNP_P1_120588_52248118	NC_021165.1	Ca_kabuli_chr06	52248118	CC	TT	1940371148
SNP_P1_120589_52250808	NC_021165.1	Ca_kabuli_chr06	52250808	GG	TT	1940371150
SNP_P1_120590_52251192	NC_021165.1	Ca_kabuli_chr06	52251192	AA	CC	1940371151
SNP_P1_120591_52251202	NC_021165.1	Ca_kabuli_chr06	52251202	AA	GG	1940371153
SNP_P1_120592_52251296	NC_021165.1	Ca_kabuli_chr06	52251296	GG	AA	1940371155
SNP_P1_120593_52251511	NC_021165.1	Ca_kabuli_chr06	52251511	TT	AA	1940371157
SNP_P1_120594_52252510	NC_021165.1	Ca_kabuli_chr06	52252510	AA	GG	1940371158
SNP_P1_120595_52259747	NC_021165.1	Ca_kabuli_chr06	52259747	AA	GG	1940371160

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120597_52267676	NC_021165.1	Ca_kabuli_chr06	52267676	AA	GG	1940371163
SNP_P1_120598_52267711	NC_021165.1	Ca_kabuli_chr06	52267711	TT	CC	1940371165
SNP_P1_120599_52267790	NC_021165.1	Ca_kabuli_chr06	52267790	AA	GG	1940371167
SNP_P1_120600_52267809	NC_021165.1	Ca_kabuli_chr06	52267809	TT	CC	1940371168
SNP_P1_120601_52267887	NC_021165.1	Ca_kabuli_chr06	52267887	TT	GG	1940371170
SNP_P1_120602_52268002	NC_021165.1	Ca_kabuli_chr06	52268002	GG	AA	1940371172
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SNP_P1_120605_52269719	NC_021165.1	Ca_kabuli_chr06	52269719	GG	TT	1940371177
SNP_P1_120606_52273089	NC_021165.1	Ca_kabuli_chr06	52273089	TT	AA	1940371179
SNP_P1_120607_52273091	NC_021165.1	Ca_kabuli_chr06	52273091	AA	TT	1940371180
SNP_P1_120608_52284661	NC_021165.1	Ca_kabuli_chr06	52284661	CC	AA	1940371182
SNP_P1_120609_52290301	NC_021165.1	Ca_kabuli_chr06	52290301	AA	TT	1940371184
SNP_P1_120610_52290303	NC_021165.1	Ca_kabuli_chr06	52290303	CC	TT	1940371186
SNP_P1_120611_52313755	NC_021165.1	Ca_kabuli_chr06	52313755	CC	TT	1940371187
SNP_P1_120612_52321837	NC_021165.1	Ca_kabuli_chr06	52321837	GG	AA	1940371189
SNP_P1_120613_52327865	NC_021165.1	Ca_kabuli_chr06	52327865	TT	AA	1940371191
SNP_P1_120615_52349739	NC_021165.1	Ca_kabuli_chr06	52349739	TT	GG	1940371193
SNP_P1_120616_52372018	NC_021165.1	Ca_kabuli_chr06	52372018	TT	GG	1940371194
SNP_P1_120617_52393026	NC_021165.1	Ca_kabuli_chr06	52393026	GG	TT	1940371196
SNP_P1_120618_52412045	NC_021165.1	Ca_kabuli_chr06	52412045	TT	CC	1940371198
SNP_P1_120619_52412379	NC_021165.1	Ca_kabuli_chr06	52412379	AA	CC	1940371200
SNP_P1_120620_52412398	NC_021165.1	Ca_kabuli_chr06	52412398	TT	CC	1940371201
SNP_P1_120621_52412404	NC_021165.1	Ca_kabuli_chr06	52412404	AA	GG	1940371203
SNP_P1_120622_52412417	NC_021165.1	Ca_kabuli_chr06	52412417	AA	GG	1940371205
SNP_P1_120623_52412420	NC_021165.1	Ca_kabuli_chr06	52412420	AA	GG	1940371207
SNP_P1_120624_52412430	NC_021165.1	Ca_kabuli_chr06	52412430	TT	CC	1940371209
SNP_P1_120625_52412455	NC_021165.1	Ca_kabuli_chr06	52412455	AA	CC	1940371210
SNP_P1_120626_52412478	NC_021165.1	Ca_kabuli_chr06	52412478	TT	CC	1940371212
SNP_P1_120627_52447245	NC_021165.1	Ca_kabuli_chr06	52447245	TT	CC	1940371214
SNP_P1_120628_52447246	NC_021165.1	Ca_kabuli_chr06	52447246	AA	CC	1940371216
SNP_P1_120630_52467610	NC_021165.1	Ca_kabuli_chr06	52467610	GG	CC	1940371217
SNP_P1_120632_52477991	NC_021165.1	Ca_kabuli_chr06	52477991	AA	GG	1940371219
SNP_P1_120633_52485828	NC_021165.1	Ca_kabuli_chr06	52485828	CC	TT	1940371221
SNP_P1_120634_52486155	NC_021165.1	Ca_kabuli_chr06	52486155	AA	GG	1940371223
SNP_P1_120635_52486171	NC_021165.1	Ca_kabuli_chr06	52486171	TT	CC	1940371224
SNP_P1_120636_52486236	NC_021165.1	Ca_kabuli_chr06	52486236	CC	TT	1940371226
SNP_P1_120637_52486284	NC_021165.1	Ca_kabuli_chr06	52486284	AA	GG	1940371228
SNP_P1_120638_52486300	NC_021165.1	Ca_kabuli_chr06	52486300	TT	CC	1940371230
SNP_P1_120639_52486358	NC_021165.1	Ca_kabuli_chr06	52486358	TT	CC	1940371231
SNP_P1_120640_52486378	NC_021165.1	Ca_kabuli_chr06	52486378	GG	TT	1940371233

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120648_52519552	NC_021165.1	Ca_kabuli_chr06	52519552	AA	TT	1940371238
SNP_P1_120651_52529588	NC_021165.1	Ca_kabuli_chr06	52529588	TT	CC	1940371240
SNP_P1_120652_52529805	NC_021165.1	Ca_kabuli_chr06	52529805	AA	GG	1940371242
SNP_P1_120653_52529891	NC_021165.1	Ca_kabuli_chr06	52529891	GG	AA	1940371244
SNP_P1_120654_52530007	NC_021165.1	Ca_kabuli_chr06	52530007	AA	GG	1940371245
SNP_P1_120655_52531294	NC_021165.1	Ca_kabuli_chr06	52531294	AA	TT	1940371247
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SNP_P1_120657_52532309	NC_021165.1	Ca_kabuli_chr06	52532309	TT	CC	1940371251
SNP_P1_120658_52532315	NC_021165.1	Ca_kabuli_chr06	52532315	CC	TT	1940371252
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SNP_P1_120660_52532340	NC_021165.1	Ca_kabuli_chr06	52532340	TT	CC	1940371256
SNP_P1_120661_52537063	NC_021165.1	Ca_kabuli_chr06	52537063	GG	CC	1940371258
SNP_P1_120662_52537452	NC_021165.1	Ca_kabuli_chr06	52537452	GG	TT	1940371259
SNP_P1_120663_52552351	NC_021165.1	Ca_kabuli_chr06	52552351	AA	GG	1940371261
SNP_P1_120664_52552436	NC_021165.1	Ca_kabuli_chr06	52552436	TT	GG	1940371263
SNP_P1_120665_52552823	NC_021165.1	Ca_kabuli_chr06	52552823	AA	TT	1940371265
SNP_P1_120666_52563748	NC_021165.1	Ca_kabuli_chr06	52563748	TT	CC	1940371267
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SNP_P1_120670_52652884	NC_021165.1	Ca_kabuli_chr06	52652884	TT	CC	1940371274
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SNP_P1_120680_52696896	NC_021165.1	Ca_kabuli_chr06	52696896	AA	CC	1940371286
SNP_P1_120681_52697071	NC_021165.1	Ca_kabuli_chr06	52697071	AA	GG	1940371288
SNP_P1_120682_52697144	NC_021165.1	Ca_kabuli_chr06	52697144	AA	GG	1940371289
SNP_P1_120683_52697173	NC_021165.1	Ca_kabuli_chr06	52697173	AA	GG	1940371291
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SNP_P1_120689_52711956	NC_021165.1	Ca_kabuli_chr06	52711956	GG	AA	1940371302
SNP_P1_120690_52726478	NC_021165.1	Ca_kabuli_chr06	52726478	AA	CC	1940371303
SNP_P1_120691_52759011	NC_021165.1	Ca_kabuli_chr06	52759011	GG	AA	1940371305
SNP_P1_120692_52759013	NC_021165.1	Ca_kabuli_chr06	52759013	CC	TT	1940371307

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120698_52779377	NC_021165.1	Ca_kabuli_chr06	52779377	GG	AA	1940371314
SNP_P1_120699_52779397	NC_021165.1	Ca_kabuli_chr06	52779397	GG	AA	1940371316
SNP_P1_120700_52783505	NC_021165.1	Ca_kabuli_chr06	52783505	TT	AA	1940371318
SNP_P1_120701_52787684	NC_021165.1	Ca_kabuli_chr06	52787684	GG	TT	1940371319
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SNP_P1_120707_52807118	NC_021165.1	Ca_kabuli_chr06	52807118	AA	CC	1940371330
SNP_P1_120708_52839232	NC_021165.1	Ca_kabuli_chr06	52839232	AA	CC	1940371332
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SNP_P1_120710_52841810	NC_021165.1	Ca_kabuli_chr06	52841810	CC	AA	1940371335
SNP_P1_120711_52841842	NC_021165.1	Ca_kabuli_chr06	52841842	AA	GG	1940371337
SNP_P1_120712_52842013	NC_021165.1	Ca_kabuli_chr06	52842013	TT	AA	1940371339
SNP_P1_120713_52842034	NC_021165.1	Ca_kabuli_chr06	52842034	AA	TT	1940371340
SNP_P1_120714_52842054	NC_021165.1	Ca_kabuli_chr06	52842054	GG	AA	1940371342
SNP_P1_120715_52842088	NC_021165.1	Ca_kabuli_chr06	52842088	AA	TT	1940371344
SNP_P1_120717_52849183	NC_021165.1	Ca_kabuli_chr06	52849183	TT	CC	1940371346
SNP_P1_120720_52853076	NC_021165.1	Ca_kabuli_chr06	52853076	GG	AA	1940371347
SNP_P1_120721_52854185	NC_021165.1	Ca_kabuli_chr06	52854185	GG	AA	1940371349
SNP_P1_120722_52854317	NC_021165.1	Ca_kabuli_chr06	52854317	AA	GG	1940371351
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SNP_P1_120725_52855504	NC_021165.1	Ca_kabuli_chr06	52855504	TT	CC	1940371356
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SNP_P1_120727_52855684	NC_021165.1	Ca_kabuli_chr06	52855684	GG	AA	1940371360
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SNP_P1_120729_52855852	NC_021165.1	Ca_kabuli_chr06	52855852	TT	AA	1940371363
SNP_P1_120730_52855949	NC_021165.1	Ca_kabuli_chr06	52855949	TT	CC	1940371365
SNP_P1_120731_52856034	NC_021165.1	Ca_kabuli_chr06	52856034	GG	TT	1940371367
SNP_P1_120732_52856048	NC_021165.1	Ca_kabuli_chr06	52856048	GG	AA	1940371368
SNP_P1_120733_52857366	NC_021165.1	Ca_kabuli_chr06	52857366	GG	AA	1940371370
SNP_P1_120734_52857929	NC_021165.1	Ca_kabuli_chr06	52857929	TT	CC	1940371372
SNP_P1_120735_52858012	NC_021165.1	Ca_kabuli_chr06	52858012	CC	TT	1940371374
SNP_P1_120736_52858159	NC_021165.1	Ca_kabuli_chr06	52858159	AA	CC	1940371375
SNP_P1_120737_52858224	NC_021165.1	Ca_kabuli_chr06	52858224	CC	TT	1940371377
SNP_P1_120738_52858227	NC_021165.1	Ca_kabuli_chr06	52858227	AA	CC	1940371379
SNP_P1_120739_52858229	NC_021165.1	Ca_kabuli_chr06	52858229	AA	CC	1940371381

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120741_52858263	NC_021165.1	Ca_kabuli_chr06	52858263	TT	AA	1940371384
SNP_P1_120742_52858269	NC_021165.1	Ca_kabuli_chr06	52858269	CC	AA	1940371386
SNP_P1_120743_52858359	NC_021165.1	Ca_kabuli_chr06	52858359	AA	GG	1940371388
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SNP_P1_120746_52858687	NC_021165.1	Ca_kabuli_chr06	52858687	AA	GG	1940371391
SNP_P1_120747_52858706	NC_021165.1	Ca_kabuli_chr06	52858706	CC	TT	1940371393
SNP_P1_120748_52858987	NC_021165.1	Ca_kabuli_chr06	52858987	TT	CC	1940371395
SNP_P1_120751_52862751	NC_021165.1	Ca_kabuli_chr06	52862751	GG	TT	1940371397
SNP_P1_120752_52863062	NC_021165.1	Ca_kabuli_chr06	52863062	AA	TT	1940371398
SNP_P1_120753_52863083	NC_021165.1	Ca_kabuli_chr06	52863083	TT	CC	1940371400
SNP_P1_120754_52863208	NC_021165.1	Ca_kabuli_chr06	52863208	TT	CC	1940371402
SNP_P1_120755_52863253	NC_021165.1	Ca_kabuli_chr06	52863253	TT	GG	1940371404
SNP_P1_120756_52868927	NC_021165.1	Ca_kabuli_chr06	52868927	TT	AA	1940371405
SNP_P1_120757_52868948	NC_021165.1	Ca_kabuli_chr06	52868948	AA	TT	1940371407
SNP_P1_120758_52868968	NC_021165.1	Ca_kabuli_chr06	52868968	GG	AA	1940371409
SNP_P1_120759_52868997	NC_021165.1	Ca_kabuli_chr06	52868997	AA	CC	1940371411
SNP_P1_120760_52869002	NC_021165.1	Ca_kabuli_chr06	52869002	TT	AA	1940371412
SNP_P1_120761_52869190	NC_021165.1	Ca_kabuli_chr06	52869190	CC	TT	1940371414
SNP_P1_120762_52869229	NC_021165.1	Ca_kabuli_chr06	52869229	AA	CC	1940371416
SNP_P1_120763_52869305	NC_021165.1	Ca_kabuli_chr06	52869305	CC	AA	1940371418
SNP_P1_120764_52869414	NC_021165.1	Ca_kabuli_chr06	52869414	CC	AA	1940371419
SNP_P1_120765_52869658	NC_021165.1	Ca_kabuli_chr06	52869658	CC	TT	1940371421
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SNP_P1_120767_52869685	NC_021165.1	Ca_kabuli_chr06	52869685	TT	CC	1940371425
SNP_P1_120768_52874445	NC_021165.1	Ca_kabuli_chr06	52874445	AA	GG	1940371426
SNP_P1_120769_52874448	NC_021165.1	Ca_kabuli_chr06	52874448	TT	CC	1940371428
SNP_P1_120770_52874980	NC_021165.1	Ca_kabuli_chr06	52874980	AA	GG	1940371430
SNP_P1_120771_52879598	NC_021165.1	Ca_kabuli_chr06	52879598	AA	CC	1940371432
SNP_P1_120772_52879680	NC_021165.1	Ca_kabuli_chr06	52879680	CC	TT	1940371433
SNP_P1_120773_52879695	NC_021165.1	Ca_kabuli_chr06	52879695	AA	CC	1940371435
SNP_P1_120774_52879706	NC_021165.1	Ca_kabuli_chr06	52879706	CC	TT	1940371437
SNP_P1_120775_52879708	NC_021165.1	Ca_kabuli_chr06	52879708	CC	AA	1940371438
SNP_P1_120776_52879840	NC_021165.1	Ca_kabuli_chr06	52879840	CC	TT	1940371440
SNP_P1_120777_52879922	NC_021165.1	Ca_kabuli_chr06	52879922	GG	AA	1940371442
SNP_P1_120778_52885576	NC_021165.1	Ca_kabuli_chr06	52885576	TT	AA	1940371444
SNP_P1_120779_52885657	NC_021165.1	Ca_kabuli_chr06	52885657	AA	GG	1940371445
SNP_P1_120780_52885916	NC_021165.1	Ca_kabuli_chr06	52885916	TT	GG	1940371447
SNP_P1_120781_52885951	NC_021165.1	Ca_kabuli_chr06	52885951	CC	AA	1940371449
SNP_P1_120782_52885956	NC_021165.1	Ca_kabuli_chr06	52885956	GG	AA	1940371451
SNP_P1_120783_52885973	NC_021165.1	Ca_kabuli_chr06	52885973	CC	TT	1940371452
SNP_P1_120784_52885981	NC_021165.1	Ca_kabuli_chr06	52885981	AA	GG	1940371454

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120786_52888060	NC_021165.1	Ca_kabuli_chr06	52888060	TT	CC	1940371458
SNP_P1_120787_52888125	NC_021165.1	Ca_kabuli_chr06	52888125	CC	TT	1940371459
SNP_P1_120788_52889842	NC_021165.1	Ca_kabuli_chr06	52889842	CC	GG	1940371461
SNP_P1_120790_52889942	NC_021165.1	Ca_kabuli_chr06	52889942	CC	GG	1940371463
SNP_P1_120791_52890010	NC_021165.1	Ca_kabuli_chr06	52890010	TT	AA	1940371465
SNP_P1_120792_52890054	NC_021165.1	Ca_kabuli_chr06	52890054	TT	CC	1940371466
SNP_P1_120793_52890135	NC_021165.1	Ca_kabuli_chr06	52890135	CC	TT	1940371468
SNP_P1_120794_52890163	NC_021165.1	Ca_kabuli_chr06	52890163	TT	AA	1940371470
SNP_P1_120795_52890166	NC_021165.1	Ca_kabuli_chr06	52890166	GG	TT	1940371472
SNP_P1_120797_52890482	NC_021165.1	Ca_kabuli_chr06	52890482	TT	CC	1940371473
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SNP_P1_120799_52895880	NC_021165.1	Ca_kabuli_chr06	52895880	TT	CC	1940371477
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SNP_P1_120802_52895926	NC_021165.1	Ca_kabuli_chr06	52895926	TT	CC	1940371482
SNP_P1_120803_52897638	NC_021165.1	Ca_kabuli_chr06	52897638	AA	TT	1940371484
SNP_P1_120805_52900778	NC_021165.1	Ca_kabuli_chr06	52900778	CC	TT	1940371485
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SNP_P1_120808_52902345	NC_021165.1	Ca_kabuli_chr06	52902345	AA	TT	1940371491
SNP_P1_120809_52910507	NC_021165.1	Ca_kabuli_chr06	52910507	AA	CC	1940371492
SNP_P1_120810_52919041	NC_021165.1	Ca_kabuli_chr06	52919041	GG	AA	1940371494
SNP_P1_120811_52919347	NC_021165.1	Ca_kabuli_chr06	52919347	CC	TT	1940371496
SNP_P1_120813_52923651	NC_021165.1	Ca_kabuli_chr06	52923651	GG	CC	1940371498
SNP_P1_120814_52930686	NC_021165.1	Ca_kabuli_chr06	52930686	CC	TT	1940371499
SNP_P1_120815_52933791	NC_021165.1	Ca_kabuli_chr06	52933791	GG	TT	1940371501
SNP_P1_120816_52934152	NC_021165.1	Ca_kabuli_chr06	52934152	GG	AA	1940371503
SNP_P1_120817_52934159	NC_021165.1	Ca_kabuli_chr06	52934159	GG	AA	1940371505
SNP_P1_120818_52945795	NC_021165.1	Ca_kabuli_chr06	52945795	TT	GG	1940371507
SNP_P1_120819_52945798	NC_021165.1	Ca_kabuli_chr06	52945798	GG	AA	1940371508
SNP_P1_120820_52953576	NC_021165.1	Ca_kabuli_chr06	52953576	AA	GG	1940371510
SNP_P1_120821_52956750	NC_021165.1	Ca_kabuli_chr06	52956750	AA	CC	1940371512
SNP_P1_120822_52958944	NC_021165.1	Ca_kabuli_chr06	52958944	AA	CC	1940371514
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SNP_P1_120825_52960877	NC_021165.1	Ca_kabuli_chr06	52960877	GG	TT	1940371519
SNP_P1_120826_52960879	NC_021165.1	Ca_kabuli_chr06	52960879	AA	GG	1940371521
SNP_P1_120828_52998811	NC_021165.1	Ca_kabuli_chr06	52998811	CC	TT	1940371522
SNP_P1_120829_53002424	NC_021165.1	Ca_kabuli_chr06	53002424	GG	AA	1940371524
SNP_P1_120830_53002670	NC_021165.1	Ca_kabuli_chr06	53002670	AA	TT	1940371526
SNP_P1_120831_53005356	NC_021165.1	Ca_kabuli_chr06	53005356	AA	CC	1940371528

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120833_53005557	NC_021165.1	Ca_kabuli_chr06	53005557	TT	CC	1940371531
SNP_P1_120834_53010148	NC_021165.1	Ca_kabuli_chr06	53010148	AA	GG	1940371533
SNP_P1_120835_53010332	NC_021165.1	Ca_kabuli_chr06	53010332	TT	CC	1940371535
SNP_P1_120836_53010335	NC_021165.1	Ca_kabuli_chr06	53010335	GG	AA	1940371536
SNP_P1_120837_53010450	NC_021165.1	Ca_kabuli_chr06	53010450	GG	AA	1940371538
SNP_P1_120838_53010484	NC_021165.1	Ca_kabuli_chr06	53010484	CC	TT	1940371540
SNP_P1_120839_53010526	NC_021165.1	Ca_kabuli_chr06	53010526	AA	TT	1940371542
SNP_P1_120840_53010541	NC_021165.1	Ca_kabuli_chr06	53010541	CC	AA	1940371544
SNP_P1_120841_53011073	NC_021165.1	Ca_kabuli_chr06	53011073	CC	TT	1940371545
SNP_P1_120842_53029160	NC_021165.1	Ca_kabuli_chr06	53029160	TT	CC	1940371547
SNP_P1_120843_53029409	NC_021165.1	Ca_kabuli_chr06	53029409	TT	GG	1940371549
SNP_P1_120844_53029481	NC_021165.1	Ca_kabuli_chr06	53029481	TT	CC	1940371551
SNP_P1_120845_53029492	NC_021165.1	Ca_kabuli_chr06	53029492	AA	GG	1940371552
SNP_P1_120846_53030785	NC_021165.1	Ca_kabuli_chr06	53030785	AA	GG	1940371554
SNP_P1_120847_53039308	NC_021165.1	Ca_kabuli_chr06	53039308	AA	CC	1940371556
SNP_P1_120848_53045372	NC_021165.1	Ca_kabuli_chr06	53045372	CC	TT	1940371558
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SNP_P1_120860_53058085	NC_021165.1	Ca_kabuli_chr06	53058085	GG	TT	1940371579
SNP_P1_120861_53058096	NC_021165.1	Ca_kabuli_chr06	53058096	AA	GG	1940371580
SNP_P1_120862_53061802	NC_021165.1	Ca_kabuli_chr06	53061802	AA	GG	1940371582
SNP_P1_120863_53072481	NC_021165.1	Ca_kabuli_chr06	53072481	TT	CC	1940371584
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SNP_P1_120865_53072995	NC_021165.1	Ca_kabuli_chr06	53072995	CC	TT	1940371587
SNP_P1_120866_53099277	NC_021165.1	Ca_kabuli_chr06	53099277	AA	TT	1940371589
SNP_P1_120868_53146479	NC_021165.1	Ca_kabuli_chr06	53146479	AA	TT	1940371591
SNP_P1_120869_53177612	NC_021165.1	Ca_kabuli_chr06	53177612	GG	TT	1940371593
SNP_P1_120870_53177614	NC_021165.1	Ca_kabuli_chr06	53177614	AA	TT	1940371594
SNP_P1_120871_53191536	NC_021165.1	Ca_kabuli_chr06	53191536	GG	TT	1940371596
SNP_P1_120873_53214840	NC_021165.1	Ca_kabuli_chr06	53214840	AA	CC	1940371598
SNP_P1_120874_53218205	NC_021165.1	Ca_kabuli_chr06	53218205	CC	TT	1940371600
SNP_P1_120875_53224344	NC_021165.1	Ca_kabuli_chr06	53224344	GG	AA	1940371602

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120879_53237539	NC_021165.1	Ca_kabuli_chr06	53237539	GG	AA	1940371607
SNP_P1_120880_53285311	NC_021165.1	Ca_kabuli_chr06	53285311	AA	TT	1940371609
SNP_P1_120881_53285314	NC_021165.1	Ca_kabuli_chr06	53285314	TT	GG	1940371610
SNP_P1_120882_53293171	NC_021165.1	Ca_kabuli_chr06	53293171	CC	TT	1940371612
SNP_P1_120883_53303257	NC_021165.1	Ca_kabuli_chr06	53303257	GG	AA	1940371614
SNP_P1_120884_53304298	NC_021165.1	Ca_kabuli_chr06	53304298	CC	GG	1940371616
SNP_P1_120885_53304319	NC_021165.1	Ca_kabuli_chr06	53304319	AA	CC	1940371617
SNP_P1_120886_53304345	NC_021165.1	Ca_kabuli_chr06	53304345	TT	CC	1940371619
SNP_P1_120887_53304459	NC_021165.1	Ca_kabuli_chr06	53304459	TT	GG	1940371621
SNP_P1_120888_53304498	NC_021165.1	Ca_kabuli_chr06	53304498	AA	GG	1940371623
SNP_P1_120889_53304583	NC_021165.1	Ca_kabuli_chr06	53304583	AA	GG	1940371624
SNP_P1_120890_53304630	NC_021165.1	Ca_kabuli_chr06	53304630	CC	TT	1940371626
SNP_P1_120891_53304644	NC_021165.1	Ca_kabuli_chr06	53304644	GG	TT	1940371628
SNP_P1_120892_53304750	NC_021165.1	Ca_kabuli_chr06	53304750	CC	TT	1940371630
SNP_P1_120893_53304760	NC_021165.1	Ca_kabuli_chr06	53304760	TT	CC	1940371631
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SNP_P1_120896_53304830	NC_021165.1	Ca_kabuli_chr06	53304830	GG	TT	1940371637
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SNP_P1_120898_53304910	NC_021165.1	Ca_kabuli_chr06	53304910	GG	CC	1940371640
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SNP_P1_120905_53305092	NC_021165.1	Ca_kabuli_chr06	53305092	AA	TT	1940371653
SNP_P1_120906_53305120	NC_021165.1	Ca_kabuli_chr06	53305120	GG	CC	1940371654
SNP_P1_120907_53305256	NC_021165.1	Ca_kabuli_chr06	53305256	GG	TT	1940371656
SNP_P1_120908_53305293	NC_021165.1	Ca_kabuli_chr06	53305293	TT	CC	1940371658
SNP_P1_120909_53305304	NC_021165.1	Ca_kabuli_chr06	53305304	GG	AA	1940371660
SNP_P1_120911_53305491	NC_021165.1	Ca_kabuli_chr06	53305491	TT	CC	1940371661
SNP_P1_120912_53305503	NC_021165.1	Ca_kabuli_chr06	53305503	TT	GG	1940371663
SNP_P1_120913_53305581	NC_021165.1	Ca_kabuli_chr06	53305581	CC	TT	1940371665
SNP_P1_120914_53309094	NC_021165.1	Ca_kabuli_chr06	53309094	AA	TT	1940371667
SNP_P1_120915_53309124	NC_021165.1	Ca_kabuli_chr06	53309124	CC	TT	1940371668
SNP_P1_120916_53310289	NC_021165.1	Ca_kabuli_chr06	53310289	TT	GG	1940371670
SNP_P1_120917_53310315	NC_021165.1	Ca_kabuli_chr06	53310315	AA	TT	1940371672
SNP_P1_120918_53310392	NC_021165.1	Ca_kabuli_chr06	53310392	GG	AA	1940371674
SNP_P1_120919_53310411	NC_021165.1	Ca_kabuli_chr06	53310411	CC	GG	1940371675

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120921_53310468	NC_021165.1	Ca_kabuli_chr06	53310468	GG	AA	1940371679
SNP_P1_120922_53310491	NC_021165.1	Ca_kabuli_chr06	53310491	GG	AA	1940371681
SNP_P1_120923_53310648	NC_021165.1	Ca_kabuli_chr06	53310648	TT	GG	1940371682
SNP_P1_120924_53310930	NC_021165.1	Ca_kabuli_chr06	53310930	AA	TT	1940371684
SNP_P1_120925_53311167	NC_021165.1	Ca_kabuli_chr06	53311167	GG	AA	1940371686
SNP_P1_120926_53311208	NC_021165.1	Ca_kabuli_chr06	53311208	AA	TT	1940371688
SNP_P1_120928_53311453	NC_021165.1	Ca_kabuli_chr06	53311453	CC	TT	1940371689
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SNP_P1_120930_53312174	NC_021165.1	Ca_kabuli_chr06	53312174	GG	CC	1940371693
SNP_P1_120932_53312388	NC_021165.1	Ca_kabuli_chr06	53312388	TT	CC	1940371695
SNP_P1_120933_53312435	NC_021165.1	Ca_kabuli_chr06	53312435	GG	CC	1940371697
SNP_P1_120934_53312476	NC_021165.1	Ca_kabuli_chr06	53312476	TT	AA	1940371698
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SNP_P1_120937_53312614	NC_021165.1	Ca_kabuli_chr06	53312614	AA	CC	1940371704
SNP_P1_120938_53312841	NC_021165.1	Ca_kabuli_chr06	53312841	CC	AA	1940371706
SNP_P1_120939_53312868	NC_021165.1	Ca_kabuli_chr06	53312868	TT	AA	1940371707
SNP_P1_120940_53312908	NC_021165.1	Ca_kabuli_chr06	53312908	GG	AA	1940371709
SNP_P1_120941_53312951	NC_021165.1	Ca_kabuli_chr06	53312951	CC	GG	1940371711
SNP_P1_120942_53312994	NC_021165.1	Ca_kabuli_chr06	53312994	GG	CC	1940371713
SNP_P1_120943_53313124	NC_021165.1	Ca_kabuli_chr06	53313124	TT	CC	1940371714
SNP_P1_120944_53313174	NC_021165.1	Ca_kabuli_chr06	53313174	TT	AA	1940371716
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SNP_P1_120960_53372396	NC_021165.1	Ca_kabuli_chr06	53372396	TT	CC	1940371743
SNP_P1_120961_53410909	NC_021165.1	Ca_kabuli_chr06	53410909	TT	CC	1940371744
SNP_P1_120962_53411173	NC_021165.1	Ca_kabuli_chr06	53411173	AA	CC	1940371746
SNP_P1_120963_53411255	NC_021165.1	Ca_kabuli_chr06	53411255	AA	GG	1940371748
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_120967_53411619	NC_021165.1	Ca_kabuli_chr06	53411619	GG	AA	1940371755
SNP_P1_120968_53411859	NC_021165.1	Ca_kabuli_chr06	53411859	TT	AA	1940371757
SNP_P1_120969_53413531	NC_021165.1	Ca_kabuli_chr06	53413531	TT	CC	1940371758
SNP_P1_120970_53413543	NC_021165.1	Ca_kabuli_chr06	53413543	AA	GG	1940371760
SNP_P1_120972_53414009	NC_021165.1	Ca_kabuli_chr06	53414009	TT	CC	1940371762
SNP_P1_120973_53414028	NC_021165.1	Ca_kabuli_chr06	53414028	TT	CC	1940371764
SNP_P1_120974_53414073	NC_021165.1	Ca_kabuli_chr06	53414073	TT	GG	1940371765
SNP_P1_120975_53419295	NC_021165.1	Ca_kabuli_chr06	53419295	AA	TT	1940371767
SNP_P1_120976_53419959	NC_021165.1	Ca_kabuli_chr06	53419959	AA	TT	1940371769
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SNP_P1_120979_53487314	NC_021165.1	Ca_kabuli_chr06	53487314	GG	AA	1940371773
SNP_P1_120980_53488928	NC_021165.1	Ca_kabuli_chr06	53488928	CC	TT	1940371774
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SNP_P1_120982_53493733	NC_021165.1	Ca_kabuli_chr06	53493733	AA	CC	1940371778
SNP_P1_120984_53512000	NC_021165.1	Ca_kabuli_chr06	53512000	CC	AA	1940371780
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SNP_P1_120999_53730220	NC_021165.1	Ca_kabuli_chr06	53730220	GG	TT	1940371803
SNP_P1_121000_53730222	NC_021165.1	Ca_kabuli_chr06	53730222	AA	GG	1940371804
SNP_P1_121001_53730978	NC_021165.1	Ca_kabuli_chr06	53730978	TT	CC	1940371806
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SNP_P1_121003_53761180	NC_021165.1	Ca_kabuli_chr06	53761180	AA	TT	1940371810
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SNP_P1_121008_53797451	NC_021165.1	Ca_kabuli_chr06	53797451	CC	TT	1940371815
SNP_P1_121009_53797805	NC_021165.1	Ca_kabuli_chr06	53797805	TT	CC	1940371817
SNP_P1_121010_53797876	NC_021165.1	Ca_kabuli_chr06	53797876	CC	GG	1940371819
SNP_P1_121011_53797942	NC_021165.1	Ca_kabuli_chr06	53797942	AA	TT	1940371820
SNP_P1_121013_53815025	NC_021165.1	Ca_kabuli_chr06	53815025	AA	GG	1940371822
SNP_P1_121014_53815108	NC_021165.1	Ca_kabuli_chr06	53815108	CC	TT	1940371824

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121016_53839523	NC_021165.1	Ca_kabuli_chr06	53839523	CC	TT	1940371827
SNP_P1_121017_53842817	NC_021165.1	Ca_kabuli_chr06	53842817	AA	GG	1940371829
SNP_P1_121018_53852231	NC_021165.1	Ca_kabuli_chr06	53852231	AA	GG	1940371831
SNP_P1_121019_53861524	NC_021165.1	Ca_kabuli_chr06	53861524	TT	CC	1940371832
SNP_P1_121020_53886743	NC_021165.1	Ca_kabuli_chr06	53886743	GG	CC	1940371834
SNP_P1_121021_53887233	NC_021165.1	Ca_kabuli_chr06	53887233	AA	GG	1940371836
SNP_P1_121022_53889329	NC_021165.1	Ca_kabuli_chr06	53889329	TT	AA	1940371837
SNP_P1_121023_53889331	NC_021165.1	Ca_kabuli_chr06	53889331	GG	CC	1940371839
SNP_P1_121024_53889335	NC_021165.1	Ca_kabuli_chr06	53889335	TT	GG	1940371841
SNP_P1_121025_53889337	NC_021165.1	Ca_kabuli_chr06	53889337	TT	CC	1940371843
SNP_P1_121026_53918794	NC_021165.1	Ca_kabuli_chr06	53918794	GG	AA	1940371844
SNP_P1_121027_53920744	NC_021165.1	Ca_kabuli_chr06	53920744	GG	AA	1940371846
SNP_P1_121028_53936509	NC_021165.1	Ca_kabuli_chr06	53936509	GG	AA	1940371848
SNP_P1_121029_53973351	NC_021165.1	Ca_kabuli_chr06	53973351	CC	TT	1940371850
SNP_P1_121030_53975705	NC_021165.1	Ca_kabuli_chr06	53975705	TT	GG	1940371851
SNP_P1_121031_53986487	NC_021165.1	Ca_kabuli_chr06	53986487	TT	AA	1940371853
SNP_P1_121032_53987118	NC_021165.1	Ca_kabuli_chr06	53987118	GG	AA	1940371855
SNP_P1_121033_53998707	NC_021165.1	Ca_kabuli_chr06	53998707	AA	TT	1940371857
SNP_P1_121034_54028606	NC_021165.1	Ca_kabuli_chr06	54028606	TT	GG	1940371859
SNP_P1_121035_54028611	NC_021165.1	Ca_kabuli_chr06	54028611	TT	AA	1940371861
SNP_P1_121036_54028666	NC_021165.1	Ca_kabuli_chr06	54028666	TT	CC	1940371862
SNP_P1_121037_54028721	NC_021165.1	Ca_kabuli_chr06	54028721	GG	AA	1940371864
SNP_P1_121038_54028739	NC_021165.1	Ca_kabuli_chr06	54028739	CC	AA	1940371866
SNP_P1_121039_54028884	NC_021165.1	Ca_kabuli_chr06	54028884	AA	CC	1940371867
SNP_P1_121040_54028885	NC_021165.1	Ca_kabuli_chr06	54028885	AA	GG	1940371869
SNP_P1_121042_54055622	NC_021165.1	Ca_kabuli_chr06	54055622	GG	CC	1940371871
SNP_P1_121043_54055965	NC_021165.1	Ca_kabuli_chr06	54055965	CC	TT	1940371873
SNP_P1_121044_54067208	NC_021165.1	Ca_kabuli_chr06	54067208	AA	CC	1940371875
SNP_P1_121045_54067251	NC_021165.1	Ca_kabuli_chr06	54067251	CC	GG	1940371876
SNP_P1_121046_54067331	NC_021165.1	Ca_kabuli_chr06	54067331	TT	GG	1940371878
SNP_P1_121047_54067862	NC_021165.1	Ca_kabuli_chr06	54067862	AA	GG	1940371880
SNP_P1_121048_54067956	NC_021165.1	Ca_kabuli_chr06	54067956	AA	TT	1940371882
SNP_P1_121050_54068770	NC_021165.1	Ca_kabuli_chr06	54068770	GG	TT	1940371884
SNP_P1_121051_54068841	NC_021165.1	Ca_kabuli_chr06	54068841	GG	TT	1940371885
SNP_P1_121054_54069012	NC_021165.1	Ca_kabuli_chr06	54069012	TT	CC	1940371887
SNP_P1_121055_54069087	NC_021165.1	Ca_kabuli_chr06	54069087	GG	TT	1940371889
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SNP_P1_121060_54069846	NC_021165.1	Ca_kabuli_chr06	54069846	TT	CC	1940371894
SNP_P1_121061_54069883	NC_021165.1	Ca_kabuli_chr06	54069883	TT	AA	1940371896
SNP_P1_121062_54069995	NC_021165.1	Ca_kabuli_chr06	54069995	CC	TT	1940371897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121064_54070066	NC_021165.1	Ca_kabuli_chr06	54070066	TT	AA	1940371901
SNP_P1_121066_54070176	NC_021165.1	Ca_kabuli_chr06	54070176	CC	GG	1940371903
SNP_P1_121067_54070215	NC_021165.1	Ca_kabuli_chr06	54070215	CC	TT	1940371905
SNP_P1_121068_54070231	NC_021165.1	Ca_kabuli_chr06	54070231	GG	AA	1940371906
SNP_P1_121070_54070274	NC_021165.1	Ca_kabuli_chr06	54070274	CC	TT	1940371908
SNP_P1_121071_54070277	NC_021165.1	Ca_kabuli_chr06	54070277	AA	CC	1940371910
SNP_P1_121072_54070287	NC_021165.1	Ca_kabuli_chr06	54070287	CC	TT	1940371911
SNP_P1_121076_54142597	NC_021165.1	Ca_kabuli_chr06	54142597	AA	CC	1940371913
SNP_P1_121078_54143323	NC_021165.1	Ca_kabuli_chr06	54143323	AA	GG	1940371915
SNP_P1_121080_54143409	NC_021165.1	Ca_kabuli_chr06	54143409	GG	AA	1940371917
SNP_P1_121081_54143425	NC_021165.1	Ca_kabuli_chr06	54143425	AA	TT	1940371918
SNP_P1_121082_54143512	NC_021165.1	Ca_kabuli_chr06	54143512	CC	TT	1940371920
SNP_P1_121084_54143589	NC_021165.1	Ca_kabuli_chr06	54143589	TT	CC	1940371922
SNP_P1_121086_54144397	NC_021165.1	Ca_kabuli_chr06	54144397	GG	AA	1940371924
SNP_P1_121088_54145439	NC_021165.1	Ca_kabuli_chr06	54145439	TT	CC	1940371925
SNP_P1_121089_54145442	NC_021165.1	Ca_kabuli_chr06	54145442	AA	TT	1940371927
SNP_P1_121090_54145707	NC_021165.1	Ca_kabuli_chr06	54145707	GG	AA	1940371929
SNP_P1_121091_54145747	NC_021165.1	Ca_kabuli_chr06	54145747	GG	AA	1940371931
SNP_P1_121092_54145753	NC_021165.1	Ca_kabuli_chr06	54145753	CC	TT	1940371932
SNP_P1_121093_54146004	NC_021165.1	Ca_kabuli_chr06	54146004	GG	TT	1940371934
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SNP_P1_121097_54146139	NC_021165.1	Ca_kabuli_chr06	54146139	CC	TT	1940371941
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SNP_P1_121102_54147581	NC_021165.1	Ca_kabuli_chr06	54147581	TT	CC	1940371948
SNP_P1_121103_54148420	NC_021165.1	Ca_kabuli_chr06	54148420	TT	AA	1940371950
SNP_P1_121104_54148452	NC_021165.1	Ca_kabuli_chr06	54148452	GG	TT	1940371952
SNP_P1_121105_54149346	NC_021165.1	Ca_kabuli_chr06	54149346	AA	TT	1940371954
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SNP_P1_121113_54150306	NC_021165.1	Ca_kabuli_chr06	54150306	GG	TT	1940371966
SNP_P1_121114_54150535	NC_021165.1	Ca_kabuli_chr06	54150535	AA	GG	1940371968
SNP_P1_121115_54150556	NC_021165.1	Ca_kabuli_chr06	54150556	GG	AA	1940371970
SNP_P1_121116_54151685	NC_021165.1	Ca_kabuli_chr06	54151685	CC	TT	1940371971

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121119_54157641	NC_021165.1	Ca_kabuli_chr06	54157641	CC	TT	1940371977
SNP_P1_121120_54157685	NC_021165.1	Ca_kabuli_chr06	54157685	TT	AA	1940371978
SNP_P1_121121_54157719	NC_021165.1	Ca_kabuli_chr06	54157719	GG	TT	1940371980
SNP_P1_121124_54158355	NC_021165.1	Ca_kabuli_chr06	54158355	TT	AA	1940371982
SNP_P1_121125_54158378	NC_021165.1	Ca_kabuli_chr06	54158378	TT	AA	1940371984
SNP_P1_121126_54158406	NC_021165.1	Ca_kabuli_chr06	54158406	TT	CC	1940371985
SNP_P1_121127_54158407	NC_021165.1	Ca_kabuli_chr06	54158407	TT	GG	1940371987
SNP_P1_121128_54158411	NC_021165.1	Ca_kabuli_chr06	54158411	TT	CC	1940371989
SNP_P1_121129_54158412	NC_021165.1	Ca_kabuli_chr06	54158412	AA	GG	1940371991
SNP_P1_121130_54158430	NC_021165.1	Ca_kabuli_chr06	54158430	CC	TT	1940371993
SNP_P1_121131_54158434	NC_021165.1	Ca_kabuli_chr06	54158434	AA	TT	1940371995
SNP_P1_121132_54158435	NC_021165.1	Ca_kabuli_chr06	54158435	AA	TT	1940371996
SNP_P1_121133_54158558	NC_021165.1	Ca_kabuli_chr06	54158558	AA	GG	1940371998
SNP_P1_121134_54158569	NC_021165.1	Ca_kabuli_chr06	54158569	TT	CC	1940372000
SNP_P1_121135_54158578	NC_021165.1	Ca_kabuli_chr06	54158578	AA	GG	1940372002
SNP_P1_121136_54158585	NC_021165.1	Ca_kabuli_chr06	54158585	CC	TT	1940372003
SNP_P1_121137_54158728	NC_021165.1	Ca_kabuli_chr06	54158728	CC	TT	1940372005
SNP_P1_121138_54158766	NC_021165.1	Ca_kabuli_chr06	54158766	GG	AA	1940372007
SNP_P1_121140_54159046	NC_021165.1	Ca_kabuli_chr06	54159046	GG	AA	1940372008
SNP_P1_121141_54159061	NC_021165.1	Ca_kabuli_chr06	54159061	AA	GG	1940372010
SNP_P1_121142_54159111	NC_021165.1	Ca_kabuli_chr06	54159111	AA	TT	1940372012
SNP_P1_121144_54160799	NC_021165.1	Ca_kabuli_chr06	54160799	AA	GG	1940372014
SNP_P1_121145_54160817	NC_021165.1	Ca_kabuli_chr06	54160817	TT	GG	1940372015
SNP_P1_121146_54160935	NC_021165.1	Ca_kabuli_chr06	54160935	CC	TT	1940372017
SNP_P1_121148_54161054	NC_021165.1	Ca_kabuli_chr06	54161054	GG	TT	1940372019
SNP_P1_121149_54161110	NC_021165.1	Ca_kabuli_chr06	54161110	GG	AA	1940372021
SNP_P1_121150_54161387	NC_021165.1	Ca_kabuli_chr06	54161387	GG	AA	1940372022
SNP_P1_121151_54161388	NC_021165.1	Ca_kabuli_chr06	54161388	GG	AA	1940372024
SNP_P1_121152_54161410	NC_021165.1	Ca_kabuli_chr06	54161410	TT	CC	1940372026
SNP_P1_121153_54161427	NC_021165.1	Ca_kabuli_chr06	54161427	CC	TT	1940372028
SNP_P1_121154_54161966	NC_021165.1	Ca_kabuli_chr06	54161966	AA	GG	1940372030
SNP_P1_121155_54161983	NC_021165.1	Ca_kabuli_chr06	54161983	AA	CC	1940372031
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SNP_P1_121157_54162031	NC_021165.1	Ca_kabuli_chr06	54162031	AA	GG	1940372035
SNP_P1_121158_54162056	NC_021165.1	Ca_kabuli_chr06	54162056	AA	GG	1940372037
SNP_P1_121159_54162415	NC_021165.1	Ca_kabuli_chr06	54162415	AA	CC	1940372038
SNP_P1_121160_54162432	NC_021165.1	Ca_kabuli_chr06	54162432	TT	CC	1940372040
SNP_P1_121161_54162757	NC_021165.1	Ca_kabuli_chr06	54162757	CC	TT	1940372042
SNP_P1_121162_54162790	NC_021165.1	Ca_kabuli_chr06	54162790	AA	TT	1940372044
SNP_P1_121163_54163140	NC_021165.1	Ca_kabuli_chr06	54163140	CC	AA	1940372045

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121167_54164363	NC_021165.1	Ca_kabuli_chr06	54164363	GG	TT	1940372051
SNP_P1_121169_54164811	NC_021165.1	Ca_kabuli_chr06	54164811	TT	CC	1940372052
SNP_P1_121170_54165012	NC_021165.1	Ca_kabuli_chr06	54165012	CC	AA	1940372054
SNP_P1_121171_54172748	NC_021165.1	Ca_kabuli_chr06	54172748	AA	CC	1940372056
SNP_P1_121172_54172756	NC_021165.1	Ca_kabuli_chr06	54172756	TT	CC	1940372058
SNP_P1_121173_54174287	NC_021165.1	Ca_kabuli_chr06	54174287	TT	CC	1940372059
SNP_P1_121174_54174583	NC_021165.1	Ca_kabuli_chr06	54174583	AA	TT	1940372061
SNP_P1_121175_54180058	NC_021165.1	Ca_kabuli_chr06	54180058	AA	TT	1940372063
SNP_P1_121176_54180260	NC_021165.1	Ca_kabuli_chr06	54180260	TT	CC	1940372065
SNP_P1_121179_54207141	NC_021165.1	Ca_kabuli_chr06	54207141	TT	CC	1940372066
SNP_P1_121180_54211168	NC_021165.1	Ca_kabuli_chr06	54211168	TT	CC	1940372068
SNP_P1_121181_54216300	NC_021165.1	Ca_kabuli_chr06	54216300	CC	TT	1940372070
SNP_P1_121182_54216769	NC_021165.1	Ca_kabuli_chr06	54216769	CC	TT	1940372072
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SNP_P1_121185_54221914	NC_021165.1	Ca_kabuli_chr06	54221914	CC	TT	1940372075
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SNP_P1_121189_54304815	NC_021165.1	Ca_kabuli_chr06	54304815	TT	CC	1940372080
SNP_P1_121190_54304822	NC_021165.1	Ca_kabuli_chr06	54304822	AA	TT	1940372082
SNP_P1_121191_54314743	NC_021165.1	Ca_kabuli_chr06	54314743	GG	AA	1940372084
SNP_P1_121192_54314745	NC_021165.1	Ca_kabuli_chr06	54314745	AA	TT	1940372086
SNP_P1_121193_54315075	NC_021165.1	Ca_kabuli_chr06	54315075	CC	TT	1940372087
SNP_P1_121195_54316020	NC_021165.1	Ca_kabuli_chr06	54316020	CC	AA	1940372089
SNP_P1_121196_54318739	NC_021165.1	Ca_kabuli_chr06	54318739	TT	AA	1940372091
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SNP_P1_121199_54321612	NC_021165.1	Ca_kabuli_chr06	54321612	AA	GG	1940372094
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SNP_P1_121201_54322424	NC_021165.1	Ca_kabuli_chr06	54322424	CC	TT	1940372098
SNP_P1_121203_54322495	NC_021165.1	Ca_kabuli_chr06	54322495	CC	TT	1940372100
SNP_P1_121204_54322504	NC_021165.1	Ca_kabuli_chr06	54322504	CC	TT	1940372102
SNP_P1_121205_54322746	NC_021165.1	Ca_kabuli_chr06	54322746	AA	CC	1940372103
SNP_P1_121206_54322773	NC_021165.1	Ca_kabuli_chr06	54322773	GG	AA	1940372105
SNP_P1_121207_54322778	NC_021165.1	Ca_kabuli_chr06	54322778	CC	TT	1940372107
SNP_P1_121208_54323027	NC_021165.1	Ca_kabuli_chr06	54323027	AA	CC	1940372109
SNP_P1_121209_54323034	NC_021165.1	Ca_kabuli_chr06	54323034	GG	CC	1940372110
SNP_P1_121210_54323056	NC_021165.1	Ca_kabuli_chr06	54323056	AA	CC	1940372112
SNP_P1_121211_54323065	NC_021165.1	Ca_kabuli_chr06	54323065	AA	GG	1940372114
SNP_P1_121212_54323074	NC_021165.1	Ca_kabuli_chr06	54323074	GG	TT	1940372116
SNP_P1_121213_54323076	NC_021165.1	Ca_kabuli_chr06	54323076	CC	TT	1940372117
SNP_P1_121214_54323196	NC_021165.1	Ca_kabuli_chr06	54323196	CC	TT	1940372119

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121217_54323447	NC_021165.1	Ca_kabuli_chr06	54323447	TT	CC	1940372124
SNP_P1_121218_54323484	NC_021165.1	Ca_kabuli_chr06	54323484	AA	CC	1940372126
SNP_P1_121219_54323493	NC_021165.1	Ca_kabuli_chr06	54323493	TT	CC	1940372128
SNP_P1_121220_54323497	NC_021165.1	Ca_kabuli_chr06	54323497	AA	GG	1940372130
SNP_P1_121221_54323503	NC_021165.1	Ca_kabuli_chr06	54323503	GG	AA	1940372131
SNP_P1_121222_54323941	NC_021165.1	Ca_kabuli_chr06	54323941	AA	GG	1940372133
SNP_P1_121223_54324130	NC_021165.1	Ca_kabuli_chr06	54324130	TT	CC	1940372135
SNP_P1_121224_54324137	NC_021165.1	Ca_kabuli_chr06	54324137	GG	AA	1940372137
SNP_P1_121225_54324164	NC_021165.1	Ca_kabuli_chr06	54324164	AA	GG	1940372138
SNP_P1_121226_54324448	NC_021165.1	Ca_kabuli_chr06	54324448	CC	TT	1940372140
SNP_P1_121227_54330808	NC_021165.1	Ca_kabuli_chr06	54330808	AA	GG	1940372142
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SNP_P1_121231_54335551	NC_021165.1	Ca_kabuli_chr06	54335551	CC	AA	1940372147
SNP_P1_121232_54338661	NC_021165.1	Ca_kabuli_chr06	54338661	GG	AA	1940372149
SNP_P1_121233_54338969	NC_021165.1	Ca_kabuli_chr06	54338969	TT	CC	1940372151
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SNP_P1_121236_54339223	NC_021165.1	Ca_kabuli_chr06	54339223	GG	TT	1940372156
SNP_P1_121240_54339867	NC_021165.1	Ca_kabuli_chr06	54339867	CC	TT	1940372158
SNP_P1_121242_54340047	NC_021165.1	Ca_kabuli_chr06	54340047	CC	TT	1940372159
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SNP_P1_121245_54340402	NC_021165.1	Ca_kabuli_chr06	54340402	AA	GG	1940372164
SNP_P1_121246_54340621	NC_021165.1	Ca_kabuli_chr06	54340621	CC	TT	1940372166
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SNP_P1_121248_54341482	NC_021165.1	Ca_kabuli_chr06	54341482	CC	GG	1940372170
SNP_P1_121250_54341781	NC_021165.1	Ca_kabuli_chr06	54341781	GG	TT	1940372171
SNP_P1_121252_54342417	NC_021165.1	Ca_kabuli_chr06	54342417	AA	CC	1940372173
SNP_P1_121253_54342499	NC_021165.1	Ca_kabuli_chr06	54342499	TT	CC	1940372175
SNP_P1_121254_54342738	NC_021165.1	Ca_kabuli_chr06	54342738	TT	AA	1940372177
SNP_P1_121255_54342772	NC_021165.1	Ca_kabuli_chr06	54342772	AA	TT	1940372178
SNP_P1_121257_54343015	NC_021165.1	Ca_kabuli_chr06	54343015	AA	GG	1940372180
SNP_P1_121259_54343104	NC_021165.1	Ca_kabuli_chr06	54343104	AA	GG	1940372182
SNP_P1_121260_54343147	NC_021165.1	Ca_kabuli_chr06	54343147	TT	CC	1940372184
SNP_P1_121261_54343167	NC_021165.1	Ca_kabuli_chr06	54343167	AA	GG	1940372186
SNP_P1_121263_54343274	NC_021165.1	Ca_kabuli_chr06	54343274	TT	CC	1940372187
SNP_P1_121264_54343301	NC_021165.1	Ca_kabuli_chr06	54343301	GG	AA	1940372189
SNP_P1_121265_54343322	NC_021165.1	Ca_kabuli_chr06	54343322	GG	AA	1940372191
SNP_P1_121266_54343329	NC_021165.1	Ca_kabuli_chr06	54343329	TT	CC	1940372193

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121268_54343382	NC_021165.1	Ca_kabuli_chr06	54343382	GG	AA	1940372196
SNP_P1_121271_54343711	NC_021165.1	Ca_kabuli_chr06	54343711	GG	AA	1940372198
SNP_P1_121272_54343834	NC_021165.1	Ca_kabuli_chr06	54343834	TT	AA	1940372200
SNP_P1_121275_54344302	NC_021165.1	Ca_kabuli_chr06	54344302	CC	TT	1940372201
SNP_P1_121277_54346240	NC_021165.1	Ca_kabuli_chr06	54346240	AA	TT	1940372203
SNP_P1_121278_54348000	NC_021165.1	Ca_kabuli_chr06	54348000	AA	GG	1940372205
SNP_P1_121280_54644217	NC_021165.1	Ca_kabuli_chr06	54644217	TT	CC	1940372207
SNP_P1_121281_54646946	NC_021165.1	Ca_kabuli_chr06	54646946	CC	AA	1940372208
SNP_P1_121282_54646977	NC_021165.1	Ca_kabuli_chr06	54646977	CC	TT	1940372210
SNP_P1_121283_54664589	NC_021165.1	Ca_kabuli_chr06	54664589	TT	CC	1940372212
SNP_P1_121284_54679400	NC_021165.1	Ca_kabuli_chr06	54679400	TT	CC	1940372214
SNP_P1_121285_54680706	NC_021165.1	Ca_kabuli_chr06	54680706	CC	TT	1940372215
SNP_P1_121286_54680812	NC_021165.1	Ca_kabuli_chr06	54680812	CC	TT	1940372217
SNP_P1_121287_54680822	NC_021165.1	Ca_kabuli_chr06	54680822	TT	CC	1940372219
SNP_P1_121288_54680842	NC_021165.1	Ca_kabuli_chr06	54680842	CC	TT	1940372221
SNP_P1_121289_54681111	NC_021165.1	Ca_kabuli_chr06	54681111	TT	GG	1940372223
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SNP_P1_121299_54720866	NC_021165.1	Ca_kabuli_chr06	54720866	AA	GG	1940372237
SNP_P1_121300_54727418	NC_021165.1	Ca_kabuli_chr06	54727418	TT	AA	1940372238
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SNP_P1_121303_54754738	NC_021165.1	Ca_kabuli_chr06	54754738	TT	CC	1940372244
SNP_P1_121304_54754746	NC_021165.1	Ca_kabuli_chr06	54754746	TT	CC	1940372246
SNP_P1_121305_54754815	NC_021165.1	Ca_kabuli_chr06	54754815	TT	AA	1940372247
SNP_P1_121306_54754859	NC_021165.1	Ca_kabuli_chr06	54754859	AA	GG	1940372249
SNP_P1_121307_54754886	NC_021165.1	Ca_kabuli_chr06	54754886	TT	GG	1940372251
SNP_P1_121308_54754890	NC_021165.1	Ca_kabuli_chr06	54754890	AA	CC	1940372252
SNP_P1_121309_54755367	NC_021165.1	Ca_kabuli_chr06	54755367	TT	GG	1940372254
SNP_P1_121310_54755368	NC_021165.1	Ca_kabuli_chr06	54755368	AA	TT	1940372256
SNP_P1_121311_54756776	NC_021165.1	Ca_kabuli_chr06	54756776	CC	TT	1940372258
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SNP_P1_121313_54773526	NC_021165.1	Ca_kabuli_chr06	54773526	TT	AA	1940372261
SNP_P1_121314_54792784	NC_021165.1	Ca_kabuli_chr06	54792784	TT	AA	1940372263
SNP_P1_121315_54792817	NC_021165.1	Ca_kabuli_chr06	54792817	CC	GG	1940372265
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121319_54825376	NC_021165.1	Ca_kabuli_chr06	54825376	AA	GG	1940372272
SNP_P1_121320_54853225	NC_021165.1	Ca_kabuli_chr06	54853225	GG	AA	1940372273
SNP_P1_121321_54854645	NC_021165.1	Ca_kabuli_chr06	54854645	TT	CC	1940372275
SNP_P1_121322_54855014	NC_021165.1	Ca_kabuli_chr06	54855014	AA	GG	1940372277
SNP_P1_121323_54861241	NC_021165.1	Ca_kabuli_chr06	54861241	TT	AA	1940372279
SNP_P1_121324_54868923	NC_021165.1	Ca_kabuli_chr06	54868923	AA	GG	1940372281
SNP_P1_121325_54869157	NC_021165.1	Ca_kabuli_chr06	54869157	TT	GG	1940372282
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SNP_P1_121328_54877351	NC_021165.1	Ca_kabuli_chr06	54877351	AA	TT	1940372286
SNP_P1_121329_54879273	NC_021165.1	Ca_kabuli_chr06	54879273	AA	GG	1940372288
SNP_P1_121330_54879286	NC_021165.1	Ca_kabuli_chr06	54879286	AA	GG	1940372289
SNP_P1_121331_54880793	NC_021165.1	Ca_kabuli_chr06	54880793	CC	AA	1940372291
SNP_P1_121332_54883813	NC_021165.1	Ca_kabuli_chr06	54883813	GG	TT	1940372293
SNP_P1_121333_54883818	NC_021165.1	Ca_kabuli_chr06	54883818	TT	GG	1940372295
SNP_P1_121334_54884067	NC_021165.1	Ca_kabuli_chr06	54884067	CC	TT	1940372296
SNP_P1_121335_54884068	NC_021165.1	Ca_kabuli_chr06	54884068	AA	GG	1940372298
SNP_P1_121336_54884212	NC_021165.1	Ca_kabuli_chr06	54884212	GG	AA	1940372300
SNP_P1_121337_54884235	NC_021165.1	Ca_kabuli_chr06	54884235	TT	GG	1940372302
SNP_P1_121338_54885160	NC_021165.1	Ca_kabuli_chr06	54885160	TT	CC	1940372303
SNP_P1_121339_54885165	NC_021165.1	Ca_kabuli_chr06	54885165	CC	TT	1940372305
SNP_P1_121340_54886623	NC_021165.1	Ca_kabuli_chr06	54886623	CC	TT	1940372307
SNP_P1_121341_54886648	NC_021165.1	Ca_kabuli_chr06	54886648	AA	GG	1940372309
SNP_P1_121342_54886693	NC_021165.1	Ca_kabuli_chr06	54886693	TT	CC	1940372311
SNP_P1_121343_54886705	NC_021165.1	Ca_kabuli_chr06	54886705	AA	GG	1940372312
SNP_P1_121344_54886715	NC_021165.1	Ca_kabuli_chr06	54886715	CC	TT	1940372314
SNP_P1_121345_54886733	NC_021165.1	Ca_kabuli_chr06	54886733	AA	GG	1940372316
SNP_P1_121346_54886736	NC_021165.1	Ca_kabuli_chr06	54886736	GG	AA	1940372318
SNP_P1_121347_54886832	NC_021165.1	Ca_kabuli_chr06	54886832	GG	AA	1940372319
SNP_P1_121348_54886877	NC_021165.1	Ca_kabuli_chr06	54886877	GG	AA	1940372321
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SNP_P1_121351_54887016	NC_021165.1	Ca_kabuli_chr06	54887016	AA	GG	1940372326
SNP_P1_121352_54887103	NC_021165.1	Ca_kabuli_chr06	54887103	TT	CC	1940372328
SNP_P1_121353_54887202	NC_021165.1	Ca_kabuli_chr06	54887202	CC	TT	1940372330
SNP_P1_121354_54888082	NC_021165.1	Ca_kabuli_chr06	54888082	AA	TT	1940372332
SNP_P1_121355_54888480	NC_021165.1	Ca_kabuli_chr06	54888480	TT	CC	1940372333
SNP_P1_121356_54889106	NC_021165.1	Ca_kabuli_chr06	54889106	CC	TT	1940372335
SNP_P1_121358_54908188	NC_021165.1	Ca_kabuli_chr06	54908188	CC	TT	1940372337
SNP_P1_121360_54913474	NC_021165.1	Ca_kabuli_chr06	54913474	TT	CC	1940372339
SNP_P1_121361_54931852	NC_021165.1	Ca_kabuli_chr06	54931852	AA	TT	1940372340

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121364_54933290	NC_021165.1	Ca_kabuli_chr06	54933290	CC	TT	1940372346
SNP_P1_121365_54933291	NC_021165.1	Ca_kabuli_chr06	54933291	CC	AA	1940372347
SNP_P1_121366_54933294	NC_021165.1	Ca_kabuli_chr06	54933294	TT	CC	1940372349
SNP_P1_121367_54933513	NC_021165.1	Ca_kabuli_chr06	54933513	GG	TT	1940372351
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SNP_P1_121372_54934216	NC_021165.1	Ca_kabuli_chr06	54934216	TT	CC	1940372358
SNP_P1_121373_54934232	NC_021165.1	Ca_kabuli_chr06	54934232	CC	TT	1940372360
SNP_P1_121374_54934515	NC_021165.1	Ca_kabuli_chr06	54934515	AA	GG	1940372361
SNP_P1_121375_54934535	NC_021165.1	Ca_kabuli_chr06	54934535	AA	GG	1940372363
SNP_P1_121376_54934624	NC_021165.1	Ca_kabuli_chr06	54934624	CC	TT	1940372365
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SNP_P1_121386_54976772	NC_021165.1	Ca_kabuli_chr06	54976772	CC	TT	1940372381
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SNP_P1_121396_55113130	NC_021165.1	Ca_kabuli_chr06	55113130	AA	GG	1940372396
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SNP_P1_121398_55113283	NC_021165.1	Ca_kabuli_chr06	55113283	TT	CC	1940372400
SNP_P1_121399_55113294	NC_021165.1	Ca_kabuli_chr06	55113294	TT	AA	1940372402
SNP_P1_121400_55113297	NC_021165.1	Ca_kabuli_chr06	55113297	CC	TT	1940372403
SNP_P1_121401_55113412	NC_021165.1	Ca_kabuli_chr06	55113412	GG	AA	1940372405
SNP_P1_121402_55113478	NC_021165.1	Ca_kabuli_chr06	55113478	AA	GG	1940372407
SNP_P1_121403_55113511	NC_021165.1	Ca_kabuli_chr06	55113511	GG	TT	1940372409
SNP_P1_121404_55113524	NC_021165.1	Ca_kabuli_chr06	55113524	AA	GG	1940372410
SNP_P1_121405_55113563	NC_021165.1	Ca_kabuli_chr06	55113563	TT	CC	1940372412
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121412_55156117	NC_021165.1	Ca_kabuli_chr06	55156117	GG	AA	1940372419
SNP_P1_121415_55207617	NC_021165.1	Ca_kabuli_chr06	55207617	AA	GG	1940372421
SNP_P1_121416_55220562	NC_021165.1	Ca_kabuli_chr06	55220562	AA	TT	1940372423
SNP_P1_121417_55258669	NC_021165.1	Ca_kabuli_chr06	55258669	GG	AA	1940372424
SNP_P1_121418_55262659	NC_021165.1	Ca_kabuli_chr06	55262659	GG	CC	1940372426
SNP_P1_121419_55279602	NC_021165.1	Ca_kabuli_chr06	55279602	AA	CC	1940372428
SNP_P1_121420_55279615	NC_021165.1	Ca_kabuli_chr06	55279615	TT	GG	1940372430
SNP_P1_121421_55279635	NC_021165.1	Ca_kabuli_chr06	55279635	TT	CC	1940372432
SNP_P1_121422_55279675	NC_021165.1	Ca_kabuli_chr06	55279675	AA	CC	1940372433
SNP_P1_121423_55308818	NC_021165.1	Ca_kabuli_chr06	55308818	TT	CC	1940372435
SNP_P1_121424_55342477	NC_021165.1	Ca_kabuli_chr06	55342477	CC	TT	1940372437
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SNP_P1_121441_55359087	NC_021165.1	Ca_kabuli_chr06	55359087	TT	CC	1940372467
SNP_P1_121442_55359915	NC_021165.1	Ca_kabuli_chr06	55359915	CC	TT	1940372469
SNP_P1_121443_55363680	NC_021165.1	Ca_kabuli_chr06	55363680	AA	CC	1940372470
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SNP_P1_121452_55399955	NC_021165.1	Ca_kabuli_chr06	55399955	GG	AA	1940372484
SNP_P1_121453_55400070	NC_021165.1	Ca_kabuli_chr06	55400070	AA	TT	1940372486
SNP_P1_121454_55400220	NC_021165.1	Ca_kabuli_chr06	55400220	CC	AA	1940372488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121458_55430901	NC_021165.1	Ca_kabuli_chr06	55430901	CC	AA	1940372493
SNP_P1_121459_55430903	NC_021165.1	Ca_kabuli_chr06	55430903	TT	CC	1940372495
SNP_P1_121460_55430925	NC_021165.1	Ca_kabuli_chr06	55430925	AA	CC	1940372497
SNP_P1_121461_55431121	NC_021165.1	Ca_kabuli_chr06	55431121	CC	TT	1940372498
SNP_P1_121462_55431153	NC_021165.1	Ca_kabuli_chr06	55431153	CC	TT	1940372500
SNP_P1_121463_55431177	NC_021165.1	Ca_kabuli_chr06	55431177	AA	CC	1940372502
SNP_P1_121464_55431499	NC_021165.1	Ca_kabuli_chr06	55431499	AA	GG	1940372504
SNP_P1_121465_55431595	NC_021165.1	Ca_kabuli_chr06	55431595	AA	GG	1940372505
SNP_P1_121466_55431679	NC_021165.1	Ca_kabuli_chr06	55431679	TT	CC	1940372507
SNP_P1_121467_55437179	NC_021165.1	Ca_kabuli_chr06	55437179	CC	TT	1940372509
SNP_P1_121468_55437239	NC_021165.1	Ca_kabuli_chr06	55437239	AA	GG	1940372511
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SNP_P1_121503_55543706	NC_021165.1	Ca_kabuli_chr06	55543706	TT	AA	1940372558
SNP_P1_121504_55556929	NC_021165.1	Ca_kabuli_chr06	55556929	CC	TT	1940372560
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121509_55607457	NC_021165.1	Ca_kabuli_chr06	55607457	TT	CC	1940372569
SNP_P1_121510_55607786	NC_021165.1	Ca_kabuli_chr06	55607786	CC	TT	1940372571
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SNP_P1_121523_55682820	NC_021165.1	Ca_kabuli_chr06	55682820	CC	GG	1940372588
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SNP_P1_121530_55702259	NC_021165.1	Ca_kabuli_chr06	55702259	CC	GG	1940372599
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SNP_P1_121536_55754795	NC_021165.1	Ca_kabuli_chr06	55754795	AA	TT	1940372609
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SNP_P1_121539_55769997	NC_021165.1	Ca_kabuli_chr06	55769997	GG	AA	1940372613
SNP_P1_121540_55771091	NC_021165.1	Ca_kabuli_chr06	55771091	AA	GG	1940372615
SNP_P1_121543_55771600	NC_021165.1	Ca_kabuli_chr06	55771600	AA	GG	1940372616
SNP_P1_121546_55798649	NC_021165.1	Ca_kabuli_chr06	55798649	TT	AA	1940372618
SNP_P1_121548_55807363	NC_021165.1	Ca_kabuli_chr06	55807363	GG	TT	1940372620
SNP_P1_121549_55826329	NC_021165.1	Ca_kabuli_chr06	55826329	TT	AA	1940372622
SNP_P1_121550_55826351	NC_021165.1	Ca_kabuli_chr06	55826351	GG	AA	1940372623
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SNP_P1_121552_55826392	NC_021165.1	Ca_kabuli_chr06	55826392	TT	CC	1940372627
SNP_P1_121553_55826428	NC_021165.1	Ca_kabuli_chr06	55826428	CC	TT	1940372629
SNP_P1_121554_55826779	NC_021165.1	Ca_kabuli_chr06	55826779	TT	AA	1940372630
SNP_P1_121555_55826832	NC_021165.1	Ca_kabuli_chr06	55826832	GG	AA	1940372632
SNP_P1_121556_55826842	NC_021165.1	Ca_kabuli_chr06	55826842	TT	CC	1940372634
SNP_P1_121557_55826845	NC_021165.1	Ca_kabuli_chr06	55826845	GG	TT	1940372636

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121561_55834718	NC_021165.1	Ca_kabuli_chr06	55834718	GG	TT	1940372641
SNP_P1_121562_55840745	NC_021165.1	Ca_kabuli_chr06	55840745	GG	AA	1940372643
SNP_P1_121565_55847708	NC_021165.1	Ca_kabuli_chr06	55847708	GG	AA	1940372645
SNP_P1_121566_55863194	NC_021165.1	Ca_kabuli_chr06	55863194	AA	GG	1940372646
SNP_P1_121567_55868292	NC_021165.1	Ca_kabuli_chr06	55868292	TT	CC	1940372648
SNP_P1_121568_55874357	NC_021165.1	Ca_kabuli_chr06	55874357	AA	GG	1940372650
SNP_P1_121570_55881765	NC_021165.1	Ca_kabuli_chr06	55881765	GG	AA	1940372652
SNP_P1_121571_55890229	NC_021165.1	Ca_kabuli_chr06	55890229	TT	GG	1940372653
SNP_P1_121572_55901430	NC_021165.1	Ca_kabuli_chr06	55901430	CC	AA	1940372655
SNP_P1_121573_55901437	NC_021165.1	Ca_kabuli_chr06	55901437	GG	TT	1940372657
SNP_P1_121574_55901454	NC_021165.1	Ca_kabuli_chr06	55901454	GG	AA	1940372659
SNP_P1_121575_55901470	NC_021165.1	Ca_kabuli_chr06	55901470	CC	TT	1940372660
SNP_P1_121576_55944030	NC_021165.1	Ca_kabuli_chr06	55944030	CC	TT	1940372662
SNP_P1_121577_55944043	NC_021165.1	Ca_kabuli_chr06	55944043	TT	CC	1940372664
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SNP_P1_121582_55948479	NC_021165.1	Ca_kabuli_chr06	55948479	TT	CC	1940372673
SNP_P1_121583_55951647	NC_021165.1	Ca_kabuli_chr06	55951647	GG	AA	1940372674
SNP_P1_121584_55961293	NC_021165.1	Ca_kabuli_chr06	55961293	GG	CC	1940372676
SNP_P1_121585_55970604	NC_021165.1	Ca_kabuli_chr06	55970604	GG	TT	1940372678
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SNP_P1_121593_55991798	NC_021165.1	Ca_kabuli_chr06	55991798	GG	AA	1940372690
SNP_P1_121594_56003026	NC_021165.1	Ca_kabuli_chr06	56003026	AA	GG	1940372692
SNP_P1_121595_56033530	NC_021165.1	Ca_kabuli_chr06	56033530	AA	GG	1940372694
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SNP_P1_121598_56047227	NC_021165.1	Ca_kabuli_chr06	56047227	AA	GG	1940372697
SNP_P1_121599_56047555	NC_021165.1	Ca_kabuli_chr06	56047555	GG	TT	1940372699
SNP_P1_121601_56048722	NC_021165.1	Ca_kabuli_chr06	56048722	CC	TT	1940372701
SNP_P1_121602_56051663	NC_021165.1	Ca_kabuli_chr06	56051663	AA	GG	1940372703
SNP_P1_121603_56056706	NC_021165.1	Ca_kabuli_chr06	56056706	AA	TT	1940372704
SNP_P1_121605_56063522	NC_021165.1	Ca_kabuli_chr06	56063522	AA	TT	1940372706
SNP_P1_121606_56070928	NC_021165.1	Ca_kabuli_chr06	56070928	GG	AA	1940372708
SNP_P1_121607_56072109	NC_021165.1	Ca_kabuli_chr06	56072109	TT	CC	1940372710

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121610_56082017	NC_021165.1	Ca_kabuli_chr06	56082017	AA	GG	1940372715
SNP_P1_121611_56082029	NC_021165.1	Ca_kabuli_chr06	56082029	AA	TT	1940372717
SNP_P1_121612_56087431	NC_021165.1	Ca_kabuli_chr06	56087431	GG	AA	1940372718
SNP_P1_121613_56087473	NC_021165.1	Ca_kabuli_chr06	56087473	GG	TT	1940372720
SNP_P1_121614_56087487	NC_021165.1	Ca_kabuli_chr06	56087487	AA	CC	1940372722
SNP_P1_121619_56087743	NC_021165.1	Ca_kabuli_chr06	56087743	TT	AA	1940372724
SNP_P1_121620_56087747	NC_021165.1	Ca_kabuli_chr06	56087747	CC	TT	1940372725
SNP_P1_121621_56087897	NC_021165.1	Ca_kabuli_chr06	56087897	AA	TT	1940372727
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SNP_P1_121623_56108641	NC_021165.1	Ca_kabuli_chr06	56108641	CC	TT	1940372730
SNP_P1_121624_56109004	NC_021165.1	Ca_kabuli_chr06	56109004	GG	AA	1940372732
SNP_P1_121625_56128938	NC_021165.1	Ca_kabuli_chr06	56128938	GG	AA	1940372734
SNP_P1_121626_56130338	NC_021165.1	Ca_kabuli_chr06	56130338	CC	TT	1940372736
SNP_P1_121627_56134950	NC_021165.1	Ca_kabuli_chr06	56134950	TT	CC	1940372737
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SNP_P1_121632_56137941	NC_021165.1	Ca_kabuli_chr06	56137941	GG	AA	1940372746
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SNP_P1_121637_56138696	NC_021165.1	Ca_kabuli_chr06	56138696	GG	AA	1940372755
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SNP_P1_121642_56138924	NC_021165.1	Ca_kabuli_chr06	56138924	GG	AA	1940372764
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SNP_P1_121649_56139303	NC_021165.1	Ca_kabuli_chr06	56139303	AA	TT	1940372774
SNP_P1_121650_56139310	NC_021165.1	Ca_kabuli_chr06	56139310	AA	GG	1940372776
SNP_P1_121651_56139342	NC_021165.1	Ca_kabuli_chr06	56139342	TT	AA	1940372778
SNP_P1_121652_56139349	NC_021165.1	Ca_kabuli_chr06	56139349	CC	GG	1940372780
SNP_P1_121653_56139456	NC_021165.1	Ca_kabuli_chr06	56139456	AA	GG	1940372781
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121657_56159746	NC_021165.1	Ca_kabuli_chr06	56159746	AA	TT	1940372788
SNP_P1_121658_56159748	NC_021165.1	Ca_kabuli_chr06	56159748	TT	AA	1940372790
SNP_P1_121659_56159761	NC_021165.1	Ca_kabuli_chr06	56159761	CC	TT	1940372792
SNP_P1_121661_56176361	NC_021165.1	Ca_kabuli_chr06	56176361	CC	GG	1940372794
SNP_P1_121662_56187597	NC_021165.1	Ca_kabuli_chr06	56187597	AA	TT	1940372795
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SNP_P1_121668_56193443	NC_021165.1	Ca_kabuli_chr06	56193443	AA	TT	1940372804
SNP_P1_121669_56193450	NC_021165.1	Ca_kabuli_chr06	56193450	TT	AA	1940372806
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SNP_P1_121699_56303100	NC_021165.1	Ca_kabuli_chr06	56303100	AA	TT	1940372857

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121703_56304169	NC_021165.1	Ca_kabuli_chr06	56304169	AA	GG	1940372864
SNP_P1_121704_56304196	NC_021165.1	Ca_kabuli_chr06	56304196	TT	CC	1940372866
SNP_P1_121705_56304210	NC_021165.1	Ca_kabuli_chr06	56304210	AA	TT	1940372868
SNP_P1_121706_56304463	NC_021165.1	Ca_kabuli_chr06	56304463	CC	TT	1940372870
SNP_P1_121707_56304474	NC_021165.1	Ca_kabuli_chr06	56304474	GG	AA	1940372871
SNP_P1_121708_56304475	NC_021165.1	Ca_kabuli_chr06	56304475	TT	AA	1940372873
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SNP_P1_121712_56304780	NC_021165.1	Ca_kabuli_chr06	56304780	CC	GG	1940372880
SNP_P1_121713_56304804	NC_021165.1	Ca_kabuli_chr06	56304804	TT	CC	1940372882
SNP_P1_121714_56304851	NC_021165.1	Ca_kabuli_chr06	56304851	AA	CC	1940372884
SNP_P1_121715_56304874	NC_021165.1	Ca_kabuli_chr06	56304874	TT	AA	1940372885
SNP_P1_121716_56304916	NC_021165.1	Ca_kabuli_chr06	56304916	GG	AA	1940372887
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SNP_P1_121720_56315182	NC_021165.1	Ca_kabuli_chr06	56315182	TT	CC	1940372894
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SNP_P1_121722_56315277	NC_021165.1	Ca_kabuli_chr06	56315277	AA	GG	1940372898
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SNP_P1_121727_56315620	NC_021165.1	Ca_kabuli_chr06	56315620	AA	CC	1940372905
SNP_P1_121728_56315634	NC_021165.1	Ca_kabuli_chr06	56315634	AA	CC	1940372907
SNP_P1_121729_56325287	NC_021165.1	Ca_kabuli_chr06	56325287	GG	AA	1940372908
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SNP_P1_121734_56376797	NC_021165.1	Ca_kabuli_chr06	56376797	GG	AA	1940372917
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SNP_P1_121736_56397942	NC_021165.1	Ca_kabuli_chr06	56397942	TT	CC	1940372921
SNP_P1_121737_56397986	NC_021165.1	Ca_kabuli_chr06	56397986	TT	CC	1940372923
SNP_P1_121738_56397993	NC_021165.1	Ca_kabuli_chr06	56397993	AA	GG	1940372924
SNP_P1_121740_56410754	NC_021165.1	Ca_kabuli_chr06	56410754	AA	GG	1940372926
SNP_P1_121741_56411826	NC_021165.1	Ca_kabuli_chr06	56411826	GG	AA	1940372928
SNP_P1_121742_56411945	NC_021165.1	Ca_kabuli_chr06	56411945	CC	AA	1940372930
SNP_P1_121744_56412278	NC_021165.1	Ca_kabuli_chr06	56412278	TT	GG	1940372931

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121747_56423148	NC_021165.1	Ca_kabuli_chr06	56423148	AA	CC	1940372935
SNP_P1_121748_56423463	NC_021165.1	Ca_kabuli_chr06	56423463	AA	GG	1940372937
SNP_P1_121749_56437760	NC_021165.1	Ca_kabuli_chr06	56437760	GG	AA	1940372938
SNP_P1_121750_56461578	NC_021165.1	Ca_kabuli_chr06	56461578	GG	AA	1940372940
SNP_P1_121751_56464718	NC_021165.1	Ca_kabuli_chr06	56464718	CC	TT	1940372942
SNP_P1_121752_56464722	NC_021165.1	Ca_kabuli_chr06	56464722	CC	GG	1940372944
SNP_P1_121753_56464769	NC_021165.1	Ca_kabuli_chr06	56464769	CC	TT	1940372945
SNP_P1_121754_56474584	NC_021165.1	Ca_kabuli_chr06	56474584	AA	CC	1940372947
SNP_P1_121755_56474585	NC_021165.1	Ca_kabuli_chr06	56474585	TT	GG	1940372949
SNP_P1_121756_56497185	NC_021165.1	Ca_kabuli_chr06	56497185	GG	AA	1940372951
SNP_P1_121757_56502583	NC_021165.1	Ca_kabuli_chr06	56502583	AA	TT	1940372952
SNP_P1_121758_56502686	NC_021165.1	Ca_kabuli_chr06	56502686	CC	AA	1940372954
SNP_P1_121759_56502736	NC_021165.1	Ca_kabuli_chr06	56502736	TT	CC	1940372956
SNP_P1_121760_56503529	NC_021165.1	Ca_kabuli_chr06	56503529	CC	TT	1940372957
SNP_P1_121761_56503530	NC_021165.1	Ca_kabuli_chr06	56503530	GG	AA	1940372959
SNP_P1_121762_56503557	NC_021165.1	Ca_kabuli_chr06	56503557	GG	CC	1940372961
SNP_P1_121763_56503561	NC_021165.1	Ca_kabuli_chr06	56503561	AA	TT	1940372963
SNP_P1_121764_56503597	NC_021165.1	Ca_kabuli_chr06	56503597	AA	TT	1940372965
SNP_P1_121765_56503611	NC_021165.1	Ca_kabuli_chr06	56503611	AA	GG	1940372966
SNP_P1_121766_56503616	NC_021165.1	Ca_kabuli_chr06	56503616	GG	AA	1940372968
SNP_P1_121767_56503617	NC_021165.1	Ca_kabuli_chr06	56503617	CC	GG	1940372970
SNP_P1_121768_56503657	NC_021165.1	Ca_kabuli_chr06	56503657	CC	TT	1940372972
SNP_P1_121769_56503665	NC_021165.1	Ca_kabuli_chr06	56503665	CC	TT	1940372973
SNP_P1_121770_56503683	NC_021165.1	Ca_kabuli_chr06	56503683	CC	TT	1940372975
SNP_P1_121771_56503687	NC_021165.1	Ca_kabuli_chr06	56503687	TT	CC	1940372977
SNP_P1_121772_56503716	NC_021165.1	Ca_kabuli_chr06	56503716	CC	AA	1940372979
SNP_P1_121773_56503720	NC_021165.1	Ca_kabuli_chr06	56503720	TT	GG	1940372980
SNP_P1_121774_56503750	NC_021165.1	Ca_kabuli_chr06	56503750	GG	AA	1940372982
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SNP_P1_121776_56503880	NC_021165.1	Ca_kabuli_chr06	56503880	CC	AA	1940372986
SNP_P1_121777_56503888	NC_021165.1	Ca_kabuli_chr06	56503888	AA	CC	1940372987
SNP_P1_121778_56503913	NC_021165.1	Ca_kabuli_chr06	56503913	TT	CC	1940372989
SNP_P1_121779_56503916	NC_021165.1	Ca_kabuli_chr06	56503916	CC	TT	1940372991
SNP_P1_121780_56503941	NC_021165.1	Ca_kabuli_chr06	56503941	GG	AA	1940372993
SNP_P1_121783_56504050	NC_021165.1	Ca_kabuli_chr06	56504050	AA	GG	1940372994
SNP_P1_121784_56504070	NC_021165.1	Ca_kabuli_chr06	56504070	AA	GG	1940372996
SNP_P1_121785_56504092	NC_021165.1	Ca_kabuli_chr06	56504092	TT	AA	1940372998
SNP_P1_121787_56504237	NC_021165.1	Ca_kabuli_chr06	56504237	TT	CC	1940372999
SNP_P1_121788_56504242	NC_021165.1	Ca_kabuli_chr06	56504242	TT	CC	1940373001
SNP_P1_121789_56504316	NC_021165.1	Ca_kabuli_chr06	56504316	AA	GG	1940373003
SNP_P1_121790_56504334	NC_021165.1	Ca_kabuli_chr06	56504334	TT	AA	1940373005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121794_56504611	NC_021165.1	Ca_kabuli_chr06	56504611	TT	AA	1940373010
SNP_P1_121795_56504620	NC_021165.1	Ca_kabuli_chr06	56504620	AA	CC	1940373012
SNP_P1_121796_56504633	NC_021165.1	Ca_kabuli_chr06	56504633	GG	AA	1940373014
SNP_P1_121798_56504785	NC_021165.1	Ca_kabuli_chr06	56504785	TT	AA	1940373015
SNP_P1_121799_56505062	NC_021165.1	Ca_kabuli_chr06	56505062	TT	GG	1940373017
SNP_P1_121800_56505167	NC_021165.1	Ca_kabuli_chr06	56505167	CC	TT	1940373019
SNP_P1_121801_56505248	NC_021165.1	Ca_kabuli_chr06	56505248	AA	GG	1940373021
SNP_P1_121802_56505253	NC_021165.1	Ca_kabuli_chr06	56505253	AA	GG	1940373022
SNP_P1_121803_56505317	NC_021165.1	Ca_kabuli_chr06	56505317	CC	TT	1940373024
SNP_P1_121804_56505321	NC_021165.1	Ca_kabuli_chr06	56505321	TT	CC	1940373026
SNP_P1_121805_56505327	NC_021165.1	Ca_kabuli_chr06	56505327	CC	AA	1940373028
SNP_P1_121806_56505389	NC_021165.1	Ca_kabuli_chr06	56505389	TT	CC	1940373029
SNP_P1_121807_56505400	NC_021165.1	Ca_kabuli_chr06	56505400	TT	AA	1940373031
SNP_P1_121808_56505409	NC_021165.1	Ca_kabuli_chr06	56505409	AA	GG	1940373033
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SNP_P1_121810_56505499	NC_021165.1	Ca_kabuli_chr06	56505499	CC	GG	1940373036
SNP_P1_121811_56505540	NC_021165.1	Ca_kabuli_chr06	56505540	CC	TT	1940373038
SNP_P1_121812_56505548	NC_021165.1	Ca_kabuli_chr06	56505548	TT	CC	1940373040
SNP_P1_121813_56505563	NC_021165.1	Ca_kabuli_chr06	56505563	TT	CC	1940373042
SNP_P1_121815_56505622	NC_021165.1	Ca_kabuli_chr06	56505622	AA	CC	1940373043
SNP_P1_121816_56505656	NC_021165.1	Ca_kabuli_chr06	56505656	TT	GG	1940373045
SNP_P1_121817_56506744	NC_021165.1	Ca_kabuli_chr06	56506744	AA	GG	1940373047
SNP_P1_121818_56506806	NC_021165.1	Ca_kabuli_chr06	56506806	GG	AA	1940373049
SNP_P1_121820_56506953	NC_021165.1	Ca_kabuli_chr06	56506953	CC	TT	1940373050
SNP_P1_121821_56506985	NC_021165.1	Ca_kabuli_chr06	56506985	TT	CC	1940373052
SNP_P1_121822_56507120	NC_021165.1	Ca_kabuli_chr06	56507120	GG	AA	1940373054
SNP_P1_121823_56507132	NC_021165.1	Ca_kabuli_chr06	56507132	TT	CC	1940373056
SNP_P1_121824_56507160	NC_021165.1	Ca_kabuli_chr06	56507160	AA	GG	1940373058
SNP_P1_121825_56507352	NC_021165.1	Ca_kabuli_chr06	56507352	CC	TT	1940373059
SNP_P1_121826_56507373	NC_021165.1	Ca_kabuli_chr06	56507373	CC	AA	1940373061
SNP_P1_121827_56507394	NC_021165.1	Ca_kabuli_chr06	56507394	TT	AA	1940373063
SNP_P1_121829_56507463	NC_021165.1	Ca_kabuli_chr06	56507463	CC	AA	1940373065
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SNP_P1_121831_56507487	NC_021165.1	Ca_kabuli_chr06	56507487	TT	AA	1940373068
SNP_P1_121832_56507715	NC_021165.1	Ca_kabuli_chr06	56507715	TT	CC	1940373070
SNP_P1_121834_56507746	NC_021165.1	Ca_kabuli_chr06	56507746	TT	AA	1940373072
SNP_P1_121835_56507791	NC_021165.1	Ca_kabuli_chr06	56507791	CC	TT	1940373073
SNP_P1_121837_56507803	NC_021165.1	Ca_kabuli_chr06	56507803	GG	AA	1940373075
SNP_P1_121838_56507893	NC_021165.1	Ca_kabuli_chr06	56507893	GG	TT	1940373077
SNP_P1_121839_56508135	NC_021165.1	Ca_kabuli_chr06	56508135	GG	AA	1940373079

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121841_56527951	NC_021165.1	Ca_kabuli_chr06	56527951	GG	TT	1940373082
SNP_P1_121842_56528011	NC_021165.1	Ca_kabuli_chr06	56528011	TT	CC	1940373084
SNP_P1_121843_56528228	NC_021165.1	Ca_kabuli_chr06	56528228	GG	AA	1940373086
SNP_P1_121844_56539051	NC_021165.1	Ca_kabuli_chr06	56539051	CC	TT	1940373088
SNP_P1_121845_56560731	NC_021165.1	Ca_kabuli_chr06	56560731	AA	GG	1940373090
SNP_P1_121847_56578993	NC_021165.1	Ca_kabuli_chr06	56578993	TT	CC	1940373091
SNP_P1_121848_56594585	NC_021165.1	Ca_kabuli_chr06	56594585	CC	TT	1940373093
SNP_P1_121850_56595855	NC_021165.1	Ca_kabuli_chr06	56595855	CC	TT	1940373095
SNP_P1_121853_56616595	NC_021165.1	Ca_kabuli_chr06	56616595	CC	TT	1940373097
SNP_P1_121854_56616673	NC_021165.1	Ca_kabuli_chr06	56616673	AA	GG	1940373098
SNP_P1_121855_56616893	NC_021165.1	Ca_kabuli_chr06	56616893	TT	CC	1940373100
SNP_P1_121856_56616927	NC_021165.1	Ca_kabuli_chr06	56616927	TT	AA	1940373102
SNP_P1_121857_56616928	NC_021165.1	Ca_kabuli_chr06	56616928	GG	CC	1940373104
SNP_P1_121858_56617914	NC_021165.1	Ca_kabuli_chr06	56617914	TT	CC	1940373105
SNP_P1_121859_56621648	NC_021165.1	Ca_kabuli_chr06	56621648	CC	GG	1940373107
SNP_P1_121860_56621705	NC_021165.1	Ca_kabuli_chr06	56621705	AA	CC	1940373109
SNP_P1_121861_56626920	NC_021165.1	Ca_kabuli_chr06	56626920	TT	CC	1940373111
SNP_P1_121862_56627040	NC_021165.1	Ca_kabuli_chr06	56627040	CC	TT	1940373112
SNP_P1_121863_56630644	NC_021165.1	Ca_kabuli_chr06	56630644	TT	GG	1940373114
SNP_P1_121864_56635705	NC_021165.1	Ca_kabuli_chr06	56635705	TT	AA	1940373116
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SNP_P1_121866_56650039	NC_021165.1	Ca_kabuli_chr06	56650039	AA	TT	1940373119
SNP_P1_121867_56655711	NC_021165.1	Ca_kabuli_chr06	56655711	CC	AA	1940373121
SNP_P1_121868_56669388	NC_021165.1	Ca_kabuli_chr06	56669388	AA	GG	1940373123
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SNP_P1_121872_56687825	NC_021165.1	Ca_kabuli_chr06	56687825	TT	AA	1940373130
SNP_P1_121873_56700718	NC_021165.1	Ca_kabuli_chr06	56700718	AA	TT	1940373132
SNP_P1_121874_56703967	NC_021165.1	Ca_kabuli_chr06	56703967	TT	CC	1940373134
SNP_P1_121875_56713252	NC_021165.1	Ca_kabuli_chr06	56713252	CC	GG	1940373135
SNP_P1_121876_56713316	NC_021165.1	Ca_kabuli_chr06	56713316	TT	CC	1940373137
SNP_P1_121877_56713374	NC_021165.1	Ca_kabuli_chr06	56713374	CC	TT	1940373139
SNP_P1_121879_56713595	NC_021165.1	Ca_kabuli_chr06	56713595	CC	AA	1940373140
SNP_P1_121880_56713607	NC_021165.1	Ca_kabuli_chr06	56713607	TT	CC	1940373142
SNP_P1_121881_56720417	NC_021165.1	Ca_kabuli_chr06	56720417	GG	AA	1940373144
SNP_P1_121883_56728535	NC_021165.1	Ca_kabuli_chr06	56728535	TT	AA	1940373146
SNP_P1_121884_56728595	NC_021165.1	Ca_kabuli_chr06	56728595	AA	GG	1940373148
SNP_P1_121886_56728926	NC_021165.1	Ca_kabuli_chr06	56728926	TT	CC	1940373149
SNP_P1_121888_56755391	NC_021165.1	Ca_kabuli_chr06	56755391	TT	CC	1940373151
SNP_P1_121889_56769549	NC_021165.1	Ca_kabuli_chr06	56769549	GG	AA	1940373153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121894_56812676	NC_021165.1	Ca_kabuli_chr06	56812676	TT	AA	1940373156
SNP_P1_121896_56841718	NC_021165.1	Ca_kabuli_chr06	56841718	CC	GG	1940373158
SNP_P1_121897_56841721	NC_021165.1	Ca_kabuli_chr06	56841721	CC	AA	1940373160
SNP_P1_121898_56853332	NC_021165.1	Ca_kabuli_chr06	56853332	AA	GG	1940373162
SNP_P1_121899_56854753	NC_021165.1	Ca_kabuli_chr06	56854753	CC	TT	1940373163
SNP_P1_121900_56859370	NC_021165.1	Ca_kabuli_chr06	56859370	CC	TT	1940373165
SNP_P1_121902_56883484	NC_021165.1	Ca_kabuli_chr06	56883484	TT	CC	1940373167
SNP_P1_121903_56887055	NC_021165.1	Ca_kabuli_chr06	56887055	GG	AA	1940373169
SNP_P1_121904_56910519	NC_021165.1	Ca_kabuli_chr06	56910519	TT	CC	1940373170
SNP_P1_121905_56928293	NC_021165.1	Ca_kabuli_chr06	56928293	TT	CC	1940373172
SNP_P1_121906_56953976	NC_021165.1	Ca_kabuli_chr06	56953976	CC	TT	1940373174
SNP_P1_121907_56964182	NC_021165.1	Ca_kabuli_chr06	56964182	CC	GG	1940373176
SNP_P1_121909_56971150	NC_021165.1	Ca_kabuli_chr06	56971150	AA	TT	1940373177
SNP_P1_121910_56982318	NC_021165.1	Ca_kabuli_chr06	56982318	AA	CC	1940373179
SNP_P1_121911_56985815	NC_021165.1	Ca_kabuli_chr06	56985815	TT	CC	1940373181
SNP_P1_121914_57042334	NC_021165.1	Ca_kabuli_chr06	57042334	TT	AA	1940373183
SNP_P1_121917_57058868	NC_021165.1	Ca_kabuli_chr06	57058868	AA	CC	1940373184
SNP_P1_121918_57068470	NC_021165.1	Ca_kabuli_chr06	57068470	AA	GG	1940373186
SNP_P1_121919_57084572	NC_021165.1	Ca_kabuli_chr06	57084572	AA	CC	1940373188
SNP_P1_121920_57093050	NC_021165.1	Ca_kabuli_chr06	57093050	GG	AA	1940373190
SNP_P1_121922_57096403	NC_021165.1	Ca_kabuli_chr06	57096403	AA	TT	1940373191
SNP_P1_121923_57104986	NC_021165.1	Ca_kabuli_chr06	57104986	GG	CC	1940373193
SNP_P1_121924_57114156	NC_021165.1	Ca_kabuli_chr06	57114156	AA	GG	1940373195
SNP_P1_121926_57118856	NC_021165.1	Ca_kabuli_chr06	57118856	AA	TT	1940373197
SNP_P1_121928_57136152	NC_021165.1	Ca_kabuli_chr06	57136152	AA	GG	1940373198
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SNP_P1_121930_57136189	NC_021165.1	Ca_kabuli_chr06	57136189	GG	AA	1940373202
SNP_P1_121931_57136667	NC_021165.1	Ca_kabuli_chr06	57136667	GG	TT	1940373204
SNP_P1_121932_57136703	NC_021165.1	Ca_kabuli_chr06	57136703	AA	TT	1940373205
SNP_P1_121933_57136705	NC_021165.1	Ca_kabuli_chr06	57136705	TT	AA	1940373207
SNP_P1_121934_57136707	NC_021165.1	Ca_kabuli_chr06	57136707	AA	GG	1940373209
SNP_P1_121935_57136722	NC_021165.1	Ca_kabuli_chr06	57136722	GG	CC	1940373211
SNP_P1_121936_57136743	NC_021165.1	Ca_kabuli_chr06	57136743	CC	TT	1940373213
SNP_P1_121937_57138536	NC_021165.1	Ca_kabuli_chr06	57138536	TT	CC	1940373214
SNP_P1_121938_57138577	NC_021165.1	Ca_kabuli_chr06	57138577	GG	AA	1940373216
SNP_P1_121939_57144221	NC_021165.1	Ca_kabuli_chr06	57144221	TT	CC	1940373218
SNP_P1_121940_57144243	NC_021165.1	Ca_kabuli_chr06	57144243	TT	CC	1940373220
SNP_P1_121941_57144255	NC_021165.1	Ca_kabuli_chr06	57144255	AA	GG	1940373222
SNP_P1_121943_57160887	NC_021165.1	Ca_kabuli_chr06	57160887	TT	CC	1940373223
SNP_P1_121944_57160889	NC_021165.1	Ca_kabuli_chr06	57160889	TT	CC	1940373225
SNP_P1_121945_57172921	NC_021165.1	Ca_kabuli_chr06	57172921	CC	TT	1940373227

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121948_57173082	NC_021165.1	Ca_kabuli_chr06	57173082	AA	TT	1940373232
SNP_P1_121949_57173435	NC_021165.1	Ca_kabuli_chr06	57173435	GG	AA	1940373234
SNP_P1_121950_57173513	NC_021165.1	Ca_kabuli_chr06	57173513	CC	TT	1940373236
SNP_P1_121951_57173517	NC_021165.1	Ca_kabuli_chr06	57173517	TT	AA	1940373237
SNP_P1_121952_57173520	NC_021165.1	Ca_kabuli_chr06	57173520	CC	AA	1940373239
SNP_P1_121953_57173530	NC_021165.1	Ca_kabuli_chr06	57173530	GG	CC	1940373241
SNP_P1_121954_57173535	NC_021165.1	Ca_kabuli_chr06	57173535	CC	TT	1940373243
SNP_P1_121955_57173536	NC_021165.1	Ca_kabuli_chr06	57173536	AA	GG	1940373244
SNP_P1_121956_57173556	NC_021165.1	Ca_kabuli_chr06	57173556	GG	AA	1940373246
SNP_P1_121957_57173638	NC_021165.1	Ca_kabuli_chr06	57173638	AA	CC	1940373248
SNP_P1_121958_57173648	NC_021165.1	Ca_kabuli_chr06	57173648	CC	TT	1940373250
SNP_P1_121959_57173652	NC_021165.1	Ca_kabuli_chr06	57173652	AA	CC	1940373252
SNP_P1_121960_57173657	NC_021165.1	Ca_kabuli_chr06	57173657	AA	GG	1940373253
SNP_P1_121961_57173671	NC_021165.1	Ca_kabuli_chr06	57173671	AA	GG	1940373255
SNP_P1_121962_57173684	NC_021165.1	Ca_kabuli_chr06	57173684	AA	GG	1940373257
SNP_P1_121963_57173688	NC_021165.1	Ca_kabuli_chr06	57173688	AA	CC	1940373259
SNP_P1_121964_57173695	NC_021165.1	Ca_kabuli_chr06	57173695	AA	GG	1940373260
SNP_P1_121965_57173882	NC_021165.1	Ca_kabuli_chr06	57173882	CC	GG	1940373262
SNP_P1_121966_57174087	NC_021165.1	Ca_kabuli_chr06	57174087	TT	GG	1940373264
SNP_P1_121967_57184385	NC_021165.1	Ca_kabuli_chr06	57184385	AA	TT	1940373266
SNP_P1_121968_57193051	NC_021165.1	Ca_kabuli_chr06	57193051	TT	CC	1940373267
SNP_P1_121969_57197483	NC_021165.1	Ca_kabuli_chr06	57197483	TT	CC	1940373269
SNP_P1_121970_57204299	NC_021165.1	Ca_kabuli_chr06	57204299	CC	TT	1940373271
SNP_P1_121972_57252809	NC_021165.1	Ca_kabuli_chr06	57252809	GG	AA	1940373273
SNP_P1_121980_57402865	NC_021165.1	Ca_kabuli_chr06	57402865	CC	TT	1940373274
SNP_P1_121981_57425772	NC_021165.1	Ca_kabuli_chr06	57425772	AA	CC	1940373276
SNP_P1_121982_57425797	NC_021165.1	Ca_kabuli_chr06	57425797	CC	AA	1940373278
SNP_P1_121983_57460842	NC_021165.1	Ca_kabuli_chr06	57460842	GG	AA	1940373280
SNP_P1_121984_57460917	NC_021165.1	Ca_kabuli_chr06	57460917	GG	CC	1940373281
SNP_P1_121985_57483795	NC_021165.1	Ca_kabuli_chr06	57483795	TT	GG	1940373283
SNP_P1_121986_57485717	NC_021165.1	Ca_kabuli_chr06	57485717	TT	CC	1940373285
SNP_P1_121987_57485760	NC_021165.1	Ca_kabuli_chr06	57485760	GG	AA	1940373287
SNP_P1_121988_57488358	NC_021165.1	Ca_kabuli_chr06	57488358	TT	GG	1940373288
SNP_P1_121989_57488359	NC_021165.1	Ca_kabuli_chr06	57488359	TT	CC	1940373290
SNP_P1_121990_57488392	NC_021165.1	Ca_kabuli_chr06	57488392	CC	TT	1940373292
SNP_P1_121991_57488564	NC_021165.1	Ca_kabuli_chr06	57488564	AA	CC	1940373293
SNP_P1_121992_57488978	NC_021165.1	Ca_kabuli_chr06	57488978	TT	CC	1940373295
SNP_P1_121995_57528249	NC_021165.1	Ca_kabuli_chr06	57528249	AA	GG	1940373297
SNP_P1_121996_57528252	NC_021165.1	Ca_kabuli_chr06	57528252	AA	CC	1940373299
SNP_P1_121997_57533232	NC_021165.1	Ca_kabuli_chr06	57533232	AA	TT	1940373301

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_121999_57554123	NC_021165.1	Ca_kabuli_chr06	57554123	CC	TT	1940373304
SNP_P1_122001_57593287	NC_021165.1	Ca_kabuli_chr06	57593287	GG	AA	1940373306
SNP_P1_122002_57608251	NC_021165.1	Ca_kabuli_chr06	57608251	GG	CC	1940373308
SNP_P1_122003_57608265	NC_021165.1	Ca_kabuli_chr06	57608265	GG	AA	1940373309
SNP_P1_122004_57608632	NC_021165.1	Ca_kabuli_chr06	57608632	AA	GG	1940373311
SNP_P1_122005_57628013	NC_021165.1	Ca_kabuli_chr06	57628013	GG	AA	1940373313
SNP_P1_122006_57646263	NC_021165.1	Ca_kabuli_chr06	57646263	TT	AA	1940373315
SNP_P1_122008_57657651	NC_021165.1	Ca_kabuli_chr06	57657651	AA	CC	1940373316
SNP_P1_122009_57679342	NC_021165.1	Ca_kabuli_chr06	57679342	TT	GG	1940373318
SNP_P1_122010_57679343	NC_021165.1	Ca_kabuli_chr06	57679343	GG	TT	1940373320
SNP_P1_122011_57744902	NC_021165.1	Ca_kabuli_chr06	57744902	TT	AA	1940373322
SNP_P1_122012_57744903	NC_021165.1	Ca_kabuli_chr06	57744903	CC	TT	1940373323
SNP_P1_122014_57840502	NC_021165.1	Ca_kabuli_chr06	57840502	CC	TT	1940373325
SNP_P1_122016_57933260	NC_021165.1	Ca_kabuli_chr06	57933260	CC	TT	1940373327
SNP_P1_122017_57953619	NC_021165.1	Ca_kabuli_chr06	57953619	GG	CC	1940373329
SNP_P1_122018_58017545	NC_021165.1	Ca_kabuli_chr06	58017545	GG	TT	1940373331
SNP_P1_122019_58048882	NC_021165.1	Ca_kabuli_chr06	58048882	AA	TT	1940373332
SNP_P1_122020_58048885	NC_021165.1	Ca_kabuli_chr06	58048885	TT	GG	1940373334
SNP_P1_122023_58095253	NC_021165.1	Ca_kabuli_chr06	58095253	TT	CC	1940373336
SNP_P1_122024_58095431	NC_021165.1	Ca_kabuli_chr06	58095431	AA	GG	1940373338
SNP_P1_122025_58129099	NC_021165.1	Ca_kabuli_chr06	58129099	GG	TT	1940373339
SNP_P1_122026_58136193	NC_021165.1	Ca_kabuli_chr06	58136193	GG	AA	1940373341
SNP_P1_122027_58136204	NC_021165.1	Ca_kabuli_chr06	58136204	GG	AA	1940373343
SNP_P1_122030_58164210	NC_021165.1	Ca_kabuli_chr06	58164210	TT	AA	1940373345
SNP_P1_122031_58164215	NC_021165.1	Ca_kabuli_chr06	58164215	AA	TT	1940373346
SNP_P1_122032_58164218	NC_021165.1	Ca_kabuli_chr06	58164218	TT	AA	1940373348
SNP_P1_122033_58220758	NC_021165.1	Ca_kabuli_chr06	58220758	GG	AA	1940373350
SNP_P1_122034_58253859	NC_021165.1	Ca_kabuli_chr06	58253859	AA	CC	1940373352
SNP_P1_122035_58257069	NC_021165.1	Ca_kabuli_chr06	58257069	GG	AA	1940373353
SNP_P1_122037_58285204	NC_021165.1	Ca_kabuli_chr06	58285204	AA	CC	1940373355
SNP_P1_122038_58312649	NC_021165.1	Ca_kabuli_chr06	58312649	GG	AA	1940373357
SNP_P1_122039_58332855	NC_021165.1	Ca_kabuli_chr06	58332855	TT	CC	1940373359
SNP_P1_122040_58342972	NC_021165.1	Ca_kabuli_chr06	58342972	AA	GG	1940373361
SNP_P1_122042_58350737	NC_021165.1	Ca_kabuli_chr06	58350737	TT	CC	1940373362
SNP_P1_122043_58350768	NC_021165.1	Ca_kabuli_chr06	58350768	TT	AA	1940373364
SNP_P1_122044_58350928	NC_021165.1	Ca_kabuli_chr06	58350928	CC	AA	1940373366
SNP_P1_122045_58372173	NC_021165.1	Ca_kabuli_chr06	58372173	AA	GG	1940373368
SNP_P1_122046_58372181	NC_021165.1	Ca_kabuli_chr06	58372181	AA	CC	1940373369
SNP_P1_122048_58401093	NC_021165.1	Ca_kabuli_chr06	58401093	CC	AA	1940373371
SNP_P1_122049_58404842	NC_021165.1	Ca_kabuli_chr06	58404842	AA	GG	1940373373
SNP_P1_122050_58404857	NC_021165.1	Ca_kabuli_chr06	58404857	AA	GG	1940373375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122052_58405031	NC_021165.1	Ca_kabuli_chr06	58405031	TT	CC	1940373378
SNP_P1_122053_58415104	NC_021165.1	Ca_kabuli_chr06	58415104	TT	AA	1940373380
SNP_P1_122054_58415105	NC_021165.1	Ca_kabuli_chr06	58415105	TT	AA	1940373382
SNP_P1_122055_58433322	NC_021165.1	Ca_kabuli_chr06	58433322	AA	GG	1940373383
SNP_P1_122056_58452616	NC_021165.1	Ca_kabuli_chr06	58452616	AA	GG	1940373385
SNP_P1_122057_58457426	NC_021165.1	Ca_kabuli_chr06	58457426	CC	TT	1940373387
SNP_P1_122058_58457433	NC_021165.1	Ca_kabuli_chr06	58457433	AA	GG	1940373389
SNP_P1_122059_58473959	NC_021165.1	Ca_kabuli_chr06	58473959	AA	GG	1940373390
SNP_P1_122060_58521364	NC_021165.1	Ca_kabuli_chr06	58521364	GG	AA	1940373392
SNP_P1_122062_58534910	NC_021165.1	Ca_kabuli_chr06	58534910	GG	AA	1940373394
SNP_P1_122063_58538185	NC_021165.1	Ca_kabuli_chr06	58538185	CC	TT	1940373396
SNP_P1_122064_58551501	NC_021165.1	Ca_kabuli_chr06	58551501	GG	AA	1940373397
SNP_P1_122066_58569469	NC_021165.1	Ca_kabuli_chr06	58569469	CC	AA	1940373399
SNP_P1_122067_58584423	NC_021165.1	Ca_kabuli_chr06	58584423	GG	CC	1940373401
SNP_P1_122068_58597381	NC_021165.1	Ca_kabuli_chr06	58597381	AA	GG	1940373403
SNP_P1_122070_58609855	NC_021165.1	Ca_kabuli_chr06	58609855	GG	TT	1940373404
SNP_P1_122071_58634198	NC_021165.1	Ca_kabuli_chr06	58634198	GG	AA	1940373406
SNP_P1_122074_58652192	NC_021165.1	Ca_kabuli_chr06	58652192	CC	TT	1940373408
SNP_P1_122076_58678049	NC_021165.1	Ca_kabuli_chr06	58678049	GG	AA	1940373410
SNP_P1_122077_58682755	NC_021165.1	Ca_kabuli_chr06	58682755	AA	GG	1940373411
SNP_P1_122079_58695085	NC_021165.1	Ca_kabuli_chr06	58695085	GG	TT	1940373413
SNP_P1_122080_58699614	NC_021165.1	Ca_kabuli_chr06	58699614	CC	TT	1940373415
SNP_P1_122081_58705923	NC_021165.1	Ca_kabuli_chr06	58705923	CC	TT	1940373417
SNP_P1_122082_58716139	NC_021165.1	Ca_kabuli_chr06	58716139	GG	AA	1940373418
SNP_P1_122083_58735775	NC_021165.1	Ca_kabuli_chr06	58735775	AA	CC	1940373420
SNP_P1_122084_58739789	NC_021165.1	Ca_kabuli_chr06	58739789	GG	TT	1940373422
SNP_P1_122086_58781276	NC_021165.1	Ca_kabuli_chr06	58781276	GG	AA	1940373424
SNP_P1_122087_58781581	NC_021165.1	Ca_kabuli_chr06	58781581	GG	AA	1940373425
SNP_P1_122088_58781615	NC_021165.1	Ca_kabuli_chr06	58781615	CC	TT	1940373427
SNP_P1_122089_58781622	NC_021165.1	Ca_kabuli_chr06	58781622	GG	AA	1940373429
SNP_P1_122090_58781646	NC_021165.1	Ca_kabuli_chr06	58781646	GG	AA	1940373430
SNP_P1_122091_58781702	NC_021165.1	Ca_kabuli_chr06	58781702	GG	AA	1940373432
SNP_P1_122092_58781720	NC_021165.1	Ca_kabuli_chr06	58781720	AA	GG	1940373434
SNP_P1_122093_58781915	NC_021165.1	Ca_kabuli_chr06	58781915	CC	TT	1940373436
SNP_P1_122094_58782110	NC_021165.1	Ca_kabuli_chr06	58782110	AA	GG	1940373438
SNP_P1_122095_58782595	NC_021165.1	Ca_kabuli_chr06	58782595	AA	GG	1940373439
SNP_P1_122096_58782599	NC_021165.1	Ca_kabuli_chr06	58782599	GG	AA	1940373441
SNP_P1_122097_58782648	NC_021165.1	Ca_kabuli_chr06	58782648	GG	AA	1940373443
SNP_P1_122098_58782654	NC_021165.1	Ca_kabuli_chr06	58782654	GG	AA	1940373445
SNP_P1_122099_58782767	NC_021165.1	Ca_kabuli_chr06	58782767	GG	AA	1940373446
SNP_P1_122101_58783420	NC_021165.1	Ca_kabuli_chr06	58783420	AA	TT	1940373448

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122103_58783864	NC_021165.1	Ca_kabuli_chr06	58783864	GG	AA	1940373452
SNP_P1_122104_58784122	NC_021165.1	Ca_kabuli_chr06	58784122	TT	AA	1940373453
SNP_P1_122105_58784133	NC_021165.1	Ca_kabuli_chr06	58784133	GG	TT	1940373455
SNP_P1_122106_58784212	NC_021165.1	Ca_kabuli_chr06	58784212	GG	AA	1940373457
SNP_P1_122107_58784230	NC_021165.1	Ca_kabuli_chr06	58784230	AA	CC	1940373459
SNP_P1_122108_58784255	NC_021165.1	Ca_kabuli_chr06	58784255	AA	GG	1940373460
SNP_P1_122110_58784616	NC_021165.1	Ca_kabuli_chr06	58784616	TT	AA	1940373462
SNP_P1_122111_58784917	NC_021165.1	Ca_kabuli_chr06	58784917	TT	CC	1940373464
SNP_P1_122113_58785212	NC_021165.1	Ca_kabuli_chr06	58785212	GG	AA	1940373465
SNP_P1_122114_58785463	NC_021165.1	Ca_kabuli_chr06	58785463	TT	CC	1940373467
SNP_P1_122115_58785761	NC_021165.1	Ca_kabuli_chr06	58785761	CC	TT	1940373469
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SNP_P1_122117_58786027	NC_021165.1	Ca_kabuli_chr06	58786027	TT	AA	1940373473
SNP_P1_122118_58786030	NC_021165.1	Ca_kabuli_chr06	58786030	AA	TT	1940373474
SNP_P1_122121_58786239	NC_021165.1	Ca_kabuli_chr06	58786239	TT	AA	1940373476
SNP_P1_122122_58786348	NC_021165.1	Ca_kabuli_chr06	58786348	TT	GG	1940373478
SNP_P1_122123_58786353	NC_021165.1	Ca_kabuli_chr06	58786353	TT	CC	1940373480
SNP_P1_122124_58786497	NC_021165.1	Ca_kabuli_chr06	58786497	GG	AA	1940373482
SNP_P1_122125_58786516	NC_021165.1	Ca_kabuli_chr06	58786516	GG	AA	1940373483
SNP_P1_122126_58787602	NC_021165.1	Ca_kabuli_chr06	58787602	GG	TT	1940373485
SNP_P1_122127_58787940	NC_021165.1	Ca_kabuli_chr06	58787940	GG	AA	1940373487
SNP_P1_122128_58787944	NC_021165.1	Ca_kabuli_chr06	58787944	CC	GG	1940373489
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SNP_P1_122131_58789175	NC_021165.1	Ca_kabuli_chr06	58789175	GG	AA	1940373494
SNP_P1_122132_58789675	NC_021165.1	Ca_kabuli_chr06	58789675	GG	AA	1940373496
SNP_P1_122133_58790175	NC_021165.1	Ca_kabuli_chr06	58790175	AA	GG	1940373497
SNP_P1_122134_58790179	NC_021165.1	Ca_kabuli_chr06	58790179	CC	TT	1940373499
SNP_P1_122135_58790301	NC_021165.1	Ca_kabuli_chr06	58790301	AA	GG	1940373501
SNP_P1_122136_58792374	NC_021165.1	Ca_kabuli_chr06	58792374	TT	CC	1940373503
SNP_P1_122137_58792375	NC_021165.1	Ca_kabuli_chr06	58792375	TT	CC	1940373504
SNP_P1_122138_58792411	NC_021165.1	Ca_kabuli_chr06	58792411	TT	CC	1940373506
SNP_P1_122139_58792435	NC_021165.1	Ca_kabuli_chr06	58792435	TT	CC	1940373508
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SNP_P1_122141_58792729	NC_021165.1	Ca_kabuli_chr06	58792729	GG	AA	1940373511
SNP_P1_122142_58794211	NC_021165.1	Ca_kabuli_chr06	58794211	CC	AA	1940373513
SNP_P1_122143_58794250	NC_021165.1	Ca_kabuli_chr06	58794250	TT	AA	1940373515
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SNP_P1_122146_58794433	NC_021165.1	Ca_kabuli_chr06	58794433	GG	AA	1940373520
SNP_P1_122147_58794437	NC_021165.1	Ca_kabuli_chr06	58794437	AA	GG	1940373522

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122150_58799662	NC_021165.1	Ca_kabuli_chr06	58799662	GG	AA	1940373527
SNP_P1_122151_58800484	NC_021165.1	Ca_kabuli_chr06	58800484	AA	GG	1940373529
SNP_P1_122152_58800991	NC_021165.1	Ca_kabuli_chr06	58800991	CC	TT	1940373530
SNP_P1_122153_58800992	NC_021165.1	Ca_kabuli_chr06	58800992	TT	CC	1940373532
SNP_P1_122154_58801293	NC_021165.1	Ca_kabuli_chr06	58801293	GG	AA	1940373534
SNP_P1_122155_58801537	NC_021165.1	Ca_kabuli_chr06	58801537	AA	GG	1940373536
SNP_P1_122156_58802424	NC_021165.1	Ca_kabuli_chr06	58802424	TT	CC	1940373537
SNP_P1_122157_58802777	NC_021165.1	Ca_kabuli_chr06	58802777	TT	CC	1940373539
SNP_P1_122158_58802866	NC_021165.1	Ca_kabuli_chr06	58802866	GG	AA	1940373541
SNP_P1_122159_58803085	NC_021165.1	Ca_kabuli_chr06	58803085	CC	TT	1940373543
SNP_P1_122160_58803096	NC_021165.1	Ca_kabuli_chr06	58803096	GG	AA	1940373544
SNP_P1_122161_58803578	NC_021165.1	Ca_kabuli_chr06	58803578	CC	AA	1940373546
SNP_P1_122162_58804199	NC_021165.1	Ca_kabuli_chr06	58804199	CC	TT	1940373548
SNP_P1_122163_58804524	NC_021165.1	Ca_kabuli_chr06	58804524	GG	AA	1940373550
SNP_P1_122164_58804902	NC_021165.1	Ca_kabuli_chr06	58804902	CC	TT	1940373552
SNP_P1_122165_58806283	NC_021165.1	Ca_kabuli_chr06	58806283	CC	GG	1940373553
SNP_P1_122166_58806304	NC_021165.1	Ca_kabuli_chr06	58806304	TT	GG	1940373555
SNP_P1_122167_58806632	NC_021165.1	Ca_kabuli_chr06	58806632	TT	AA	1940373557
SNP_P1_122169_58806921	NC_021165.1	Ca_kabuli_chr06	58806921	TT	GG	1940373559
SNP_P1_122170_58806985	NC_021165.1	Ca_kabuli_chr06	58806985	TT	GG	1940373560
SNP_P1_122171_58807618	NC_021165.1	Ca_kabuli_chr06	58807618	AA	GG	1940373562
SNP_P1_122172_58807980	NC_021165.1	Ca_kabuli_chr06	58807980	TT	CC	1940373564
SNP_P1_122173_58808211	NC_021165.1	Ca_kabuli_chr06	58808211	TT	CC	1940373565
SNP_P1_122174_58810170	NC_021165.1	Ca_kabuli_chr06	58810170	CC	GG	1940373567
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SNP_P1_122176_58811650	NC_021165.1	Ca_kabuli_chr06	58811650	AA	TT	1940373571
SNP_P1_122177_58811708	NC_021165.1	Ca_kabuli_chr06	58811708	CC	TT	1940373573
SNP_P1_122178_58812742	NC_021165.1	Ca_kabuli_chr06	58812742	TT	CC	1940373574
SNP_P1_122179_58812754	NC_021165.1	Ca_kabuli_chr06	58812754	AA	GG	1940373576
SNP_P1_122180_58812764	NC_021165.1	Ca_kabuli_chr06	58812764	AA	GG	1940373578
SNP_P1_122182_58813650	NC_021165.1	Ca_kabuli_chr06	58813650	GG	AA	1940373579
SNP_P1_122183_58814030	NC_021165.1	Ca_kabuli_chr06	58814030	AA	CC	1940373581
SNP_P1_122184_58814800	NC_021165.1	Ca_kabuli_chr06	58814800	CC	TT	1940373583
SNP_P1_122185_58817198	NC_021165.1	Ca_kabuli_chr06	58817198	AA	CC	1940373585
SNP_P1_122186_58819258	NC_021165.1	Ca_kabuli_chr06	58819258	TT	AA	1940373586
SNP_P1_122187_58819286	NC_021165.1	Ca_kabuli_chr06	58819286	AA	TT	1940373588
SNP_P1_122188_58819300	NC_021165.1	Ca_kabuli_chr06	58819300	CC	TT	1940373590
SNP_P1_122189_58819306	NC_021165.1	Ca_kabuli_chr06	58819306	TT	AA	1940373592
SNP_P1_122190_58819345	NC_021165.1	Ca_kabuli_chr06	58819345	CC	TT	1940373593
SNP_P1_122191_58819348	NC_021165.1	Ca_kabuli_chr06	58819348	AA	GG	1940373595

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122193_58820063	NC_021165.1	Ca_kabuli_chr06	58820063	TT	CC	1940373599
SNP_P1_122195_58820995	NC_021165.1	Ca_kabuli_chr06	58820995	CC	TT	1940373600
SNP_P1_122196_58821587	NC_021165.1	Ca_kabuli_chr06	58821587	AA	GG	1940373602
SNP_P1_122197_58821660	NC_021165.1	Ca_kabuli_chr06	58821660	CC	AA	1940373604
SNP_P1_122198_58821778	NC_021165.1	Ca_kabuli_chr06	58821778	TT	CC	1940373606
SNP_P1_122199_58821849	NC_021165.1	Ca_kabuli_chr06	58821849	AA	GG	1940373607
SNP_P1_122201_58822895	NC_021165.1	Ca_kabuli_chr06	58822895	CC	AA	1940373609
SNP_P1_122202_58824662	NC_021165.1	Ca_kabuli_chr06	58824662	AA	TT	1940373611
SNP_P1_122203_58829022	NC_021165.1	Ca_kabuli_chr06	58829022	AA	TT	1940373613
SNP_P1_122205_58840249	NC_021165.1	Ca_kabuli_chr06	58840249	GG	AA	1940373614
SNP_P1_122206_58851494	NC_021165.1	Ca_kabuli_chr06	58851494	GG	AA	1940373616
SNP_P1_122207_58854303	NC_021165.1	Ca_kabuli_chr06	58854303	AA	GG	1940373618
SNP_P1_122208_58858023	NC_021165.1	Ca_kabuli_chr06	58858023	GG	CC	1940373620
SNP_P1_122209_58865970	NC_021165.1	Ca_kabuli_chr06	58865970	CC	TT	1940373621
SNP_P1_122212_58897252	NC_021165.1	Ca_kabuli_chr06	58897252	CC	TT	1940373623
SNP_P1_122213_58914916	NC_021165.1	Ca_kabuli_chr06	58914916	GG	AA	1940373625
SNP_P1_122214_58922664	NC_021165.1	Ca_kabuli_chr06	58922664	CC	GG	1940373627
SNP_P1_122215_58922667	NC_021165.1	Ca_kabuli_chr06	58922667	AA	GG	1940373628
SNP_P1_122216_58938839	NC_021165.1	Ca_kabuli_chr06	58938839	TT	AA	1940373630
SNP_P1_122217_58947046	NC_021165.1	Ca_kabuli_chr06	58947046	GG	AA	1940373632
SNP_P1_122219_58981822	NC_021165.1	Ca_kabuli_chr06	58981822	AA	GG	1940373634
SNP_P1_122221_58990195	NC_021165.1	Ca_kabuli_chr06	58990195	TT	AA	1940373635
SNP_P1_122222_58990196	NC_021165.1	Ca_kabuli_chr06	58990196	AA	CC	1940373637
SNP_P1_122223_59019309	NC_021165.1	Ca_kabuli_chr06	59019309	TT	CC	1940373639
SNP_P1_122225_59041029	NC_021165.1	Ca_kabuli_chr06	59041029	CC	TT	1940373641
SNP_P1_122226_59043127	NC_021165.1	Ca_kabuli_chr06	59043127	GG	TT	1940373642
SNP_P1_122227_59055513	NC_021165.1	Ca_kabuli_chr06	59055513	GG	AA	1940373644
SNP_P1_122228_59055538	NC_021165.1	Ca_kabuli_chr06	59055538	AA	GG	1940373646
SNP_P1_122229_59055544	NC_021165.1	Ca_kabuli_chr06	59055544	CC	AA	1940373647
SNP_P1_122230_59058163	NC_021165.1	Ca_kabuli_chr06	59058163	AA	GG	1940373649
SNP_P1_122231_59058564	NC_021165.1	Ca_kabuli_chr06	59058564	AA	TT	1940373651
SNP_P1_122232_59058643	NC_021165.1	Ca_kabuli_chr06	59058643	GG	AA	1940373653
SNP_P1_122233_59058650	NC_021165.1	Ca_kabuli_chr06	59058650	CC	AA	1940373654
SNP_P1_122234_59059841	NC_021165.1	Ca_kabuli_chr06	59059841	TT	CC	1940373656
SNP_P1_122235_59059905	NC_021165.1	Ca_kabuli_chr06	59059905	TT	CC	1940373658
SNP_P1_122236_59059944	NC_021165.1	Ca_kabuli_chr06	59059944	CC	AA	1940373660
SNP_P1_122238_59060216	NC_021165.1	Ca_kabuli_chr06	59060216	CC	TT	1940373661
SNP_P1_122239_59062020	NC_021165.1	Ca_kabuli_chr06	59062020	CC	AA	1940373663
SNP_P1_122241_59084865	NC_021165.1	Ca_kabuli_chr06	59084865	AA	GG	1940373665
SNP_P1_122243_59099087	NC_021165.1	Ca_kabuli_chr06	59099087	CC	GG	1940373667
SNP_P1_122244_59100409	NC_021165.1	Ca_kabuli_chr06	59100409	CC	TT	1940373668

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_122246_59133132	NC_021165.1	Ca_kabuli_chr06	59133132	AA	GG	1940373670
SNP_P1_122247_59141216	NC_021165.1	Ca_kabuli_chr06	59141216	TT	AA	1940373672
SNP_P1_122249_59170585	NC_021165.1	Ca_kabuli_chr06	59170585	TT	GG	1940373674
SNP_P1_122252_59190945	NC_021165.1	Ca_kabuli_chr06	59190945	AA	CC	1940373675
SNP_P1_122254_59209042	NC_021165.1	Ca_kabuli_chr06	59209042	CC	TT	1940373677
SNP_P1_122255_59221039	NC_021165.1	Ca_kabuli_chr06	59221039	CC	TT	1940373679
SNP_P1_122256_59238274	NC_021165.1	Ca_kabuli_chr06	59238274	GG	AA	1940373681
SNP_P1_122257_59242514	NC_021165.1	Ca_kabuli_chr06	59242514	TT	AA	1940373683
SNP_P1_122259_59265409	NC_021165.1	Ca_kabuli_chr06	59265409	GG	CC	1940373684
SNP_P1_122260_59265767	NC_021165.1	Ca_kabuli_chr06	59265767	CC	TT	1940373686
SNP_P1_122261_59265867	NC_021165.1	Ca_kabuli_chr06	59265867	AA	GG	1940373688
SNP_P1_122265_59277491	NC_021165.1	Ca_kabuli_chr06	59277491	GG	AA	1940373689
SNP_P1_122266_59278150	NC_021165.1	Ca_kabuli_chr06	59278150	CC	TT	1940373691
SNP_P1_122267_59305169	NC_021165.1	Ca_kabuli_chr06	59305169	TT	GG	1940373693
SNP_P1_122269_59319471	NC_021165.1	Ca_kabuli_chr06	59319471	GG	AA	1940373695
SNP_P1_122271_59329441	NC_021165.1	Ca_kabuli_chr06	59329441	AA	GG	1940373696
SNP_P1_122274_59355599	NC_021165.1	Ca_kabuli_chr06	59355599	AA	GG	1940373698
SNP_P1_122275_59372226	NC_021165.1	Ca_kabuli_chr06	59372226	GG	AA	1940373700
SNP_P1_122276_59381422	NC_021165.1	Ca_kabuli_chr06	59381422	TT	CC	1940373702
SNP_P1_122278_59406559	NC_021165.1	Ca_kabuli_chr06	59406559	GG	TT	1940373703
SNP_P1_122279_59420328	NC_021165.1	Ca_kabuli_chr06	59420328	AA	TT	1940373705
SNP_P1_122281_59424858	NC_021165.1	Ca_kabuli_chr06	59424858	GG	AA	1940373707
SNP_P1_122282_59432409	NC_021165.1	Ca_kabuli_chr06	59432409	AA	TT	1940373709
SNP_P1_122283_59434642	NC_021165.1	Ca_kabuli_chr06	59434642	GG	AA	1940373710
SNP_P1_122284_59443499	NC_021165.1	Ca_kabuli_chr06	59443499	TT	GG	1940373712
SNP_P1_122285_59443512	NC_021165.1	Ca_kabuli_chr06	59443512	AA	GG	1940373714
SNP_P1_122286_59443549	NC_021165.1	Ca_kabuli_chr06	59443549	GG	AA	1940373716
SNP_P1_122287_59443572	NC_021165.1	Ca_kabuli_chr06	59443572	CC	TT	1940373717
SNP_P1_122288_59443573	NC_021165.1	Ca_kabuli_chr06	59443573	AA	GG	1940373719
SNP_P1_122289_59443578	NC_021165.1	Ca_kabuli_chr06	59443578	TT	GG	1940373721
SNP_P1_122290_59443865	NC_021165.1	Ca_kabuli_chr06	59443865	TT	AA	1940373723
SNP_P1_122291_59443931	NC_021165.1	Ca_kabuli_chr06	59443931	CC	TT	1940373724
SNP_P1_122292_59444298	NC_021165.1	Ca_kabuli_chr06	59444298	GG	CC	1940373726
SNP_P1_122293_59444321	NC_021165.1	Ca_kabuli_chr06	59444321	CC	TT	1940373728
SNP_P1_122294_59444324	NC_021165.1	Ca_kabuli_chr06	59444324	TT	CC	1940373730
SNP_P1_122295_59444340	NC_021165.1	Ca_kabuli_chr06	59444340	TT	CC	1940373731
SNP_P1_122296_59444371	NC_021165.1	Ca_kabuli_chr06	59444371	AA	TT	1940373733
SNP_P1_122297_59444764	NC_021165.1	Ca_kabuli_chr06	59444764	TT	CC	1940373735
SNP_P1_122298_59444913	NC_021165.1	Ca_kabuli_chr06	59444913	AA	GG	1940373737
SNP_P1_122299_59450271	NC_021165.1	Ca_kabuli_chr06	59450271	AA	CC	1940373738
SNP_P1_122300_59450693	NC_021165.1	Ca_kabuli_chr06	59450693	CC	GG	1940373740
SNP_P1_122301_59459355	NC_021165.1	Ca_kabuli_chr06	59459355	TT	GG	1940373742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_122302_375	NC_021166.1	Ca_kabuli_chr07	375	AA	GG	1940373744
SNP_P1_122303_443	NC_021166.1	Ca_kabuli_chr07	443	AA	GG	1940373745
SNP_P1_122304_449	NC_021166.1	Ca_kabuli_chr07	449	AA	TT	1940373747
SNP_P1_122305_651	NC_021166.1	Ca_kabuli_chr07	651	GG	TT	1940373749
SNP_P1_122306_9499	NC_021166.1	Ca_kabuli_chr07	9499	TT	CC	1940373751
SNP_P1_122307_70169	NC_021166.1	Ca_kabuli_chr07	70169	AA	TT	1940373752
SNP_P1_122308_70172	NC_021166.1	Ca_kabuli_chr07	70172	TT	GG	1940373754
SNP_P1_122309_83308	NC_021166.1	Ca_kabuli_chr07	83308	TT	AA	1940373756
SNP_P1_122311_132322	NC_021166.1	Ca_kabuli_chr07	132322	GG	TT	1940373758
SNP_P1_122312_144667	NC_021166.1	Ca_kabuli_chr07	144667	CC	AA	1940373759
SNP_P1_122313_144742	NC_021166.1	Ca_kabuli_chr07	144742	AA	GG	1940373761
SNP_P1_122314_144750	NC_021166.1	Ca_kabuli_chr07	144750	GG	AA	1940373763
SNP_P1_122315_144969	NC_021166.1	Ca_kabuli_chr07	144969	AA	TT	1940373765
SNP_P1_122316_145039	NC_021166.1	Ca_kabuli_chr07	145039	GG	CC	1940373766
SNP_P1_122317_145769	NC_021166.1	Ca_kabuli_chr07	145769	GG	TT	1940373768
SNP_P1_122318_145775	NC_021166.1	Ca_kabuli_chr07	145775	TT	CC	1940373770
SNP_P1_122319_155787	NC_021166.1	Ca_kabuli_chr07	155787	CC	TT	1940373772
SNP_P1_122320_155904	NC_021166.1	Ca_kabuli_chr07	155904	CC	TT	1940373773
SNP_P1_122321_155908	NC_021166.1	Ca_kabuli_chr07	155908	AA	GG	1940373775
SNP_P1_122323_156508	NC_021166.1	Ca_kabuli_chr07	156508	CC	TT	1940373777
SNP_P1_122324_156517	NC_021166.1	Ca_kabuli_chr07	156517	AA	CC	1940373779
SNP_P1_122325_158489	NC_021166.1	Ca_kabuli_chr07	158489	TT	CC	1940373780
SNP_P1_122326_160598	NC_021166.1	Ca_kabuli_chr07	160598	GG	AA	1940373782
SNP_P1_122327_165596	NC_021166.1	Ca_kabuli_chr07	165596	CC	TT	1940373784
SNP_P1_122328_173731	NC_021166.1	Ca_kabuli_chr07	173731	AA	CC	1940373786
SNP_P1_122329_173776	NC_021166.1	Ca_kabuli_chr07	173776	GG	CC	1940373787
SNP_P1_122331_179980	NC_021166.1	Ca_kabuli_chr07	179980	AA	CC	1940373789
SNP_P1_122332_179983	NC_021166.1	Ca_kabuli_chr07	179983	GG	TT	1940373791
SNP_P1_122333_180351	NC_021166.1	Ca_kabuli_chr07	180351	AA	CC	1940373793
SNP_P1_122335_180455	NC_021166.1	Ca_kabuli_chr07	180455	GG	AA	1940373794
SNP_P1_122336_180470	NC_021166.1	Ca_kabuli_chr07	180470	TT	AA	1940373796
SNP_P1_122337_180542	NC_021166.1	Ca_kabuli_chr07	180542	CC	TT	1940373798
SNP_P1_122338_180806	NC_021166.1	Ca_kabuli_chr07	180806	AA	GG	1940373800
SNP_P1_122339_180910	NC_021166.1	Ca_kabuli_chr07	180910	AA	GG	1940373801
SNP_P1_122340_193416	NC_021166.1	Ca_kabuli_chr07	193416	AA	GG	1940373803
SNP_P1_122341_193418	NC_021166.1	Ca_kabuli_chr07	193418	CC	TT	1940373805
SNP_P1_122342_193533	NC_021166.1	Ca_kabuli_chr07	193533	TT	AA	1940373807
SNP_P1_122343_193796	NC_021166.1	Ca_kabuli_chr07	193796	CC	TT	1940373808
SNP_P1_122344_193945	NC_021166.1	Ca_kabuli_chr07	193945	TT	CC	1940373810
SNP_P1_122345_193947	NC_021166.1	Ca_kabuli_chr07	193947	TT	AA	1940373812
SNP_P1_122346_197831	NC_021166.1	Ca_kabuli_chr07	197831	GG	TT	1940373814
SNP_P1_122347_199370	NC_021166.1	Ca_kabuli_chr07	199370	AA	CC	1940373815

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122350_224005	NC_021166.1	Ca_kabuli_chr07	224005	AA	CC	1940373819
SNP_P1_122351_224006	NC_021166.1	Ca_kabuli_chr07	224006	AA	CC	1940373821
SNP_P1_122352_226092	NC_021166.1	Ca_kabuli_chr07	226092	AA	GG	1940373822
SNP_P1_122353_253474	NC_021166.1	Ca_kabuli_chr07	253474	AA	GG	1940373824
SNP_P1_122354_256459	NC_021166.1	Ca_kabuli_chr07	256459	AA	GG	1940373826
SNP_P1_122355_275277	NC_021166.1	Ca_kabuli_chr07	275277	TT	CC	1940373828
SNP_P1_122356_283933	NC_021166.1	Ca_kabuli_chr07	283933	TT	CC	1940373829
SNP_P1_122357_283935	NC_021166.1	Ca_kabuli_chr07	283935	TT	CC	1940373831
SNP_P1_122358_284823	NC_021166.1	Ca_kabuli_chr07	284823	GG	TT	1940373833
SNP_P1_122359_324377	NC_021166.1	Ca_kabuli_chr07	324377	GG	TT	1940373835
SNP_P1_122360_329132	NC_021166.1	Ca_kabuli_chr07	329132	CC	TT	1940373836
SNP_P1_122361_338615	NC_021166.1	Ca_kabuli_chr07	338615	TT	CC	1940373838
SNP_P1_122363_357551	NC_021166.1	Ca_kabuli_chr07	357551	GG	AA	1940373840
SNP_P1_122364_357556	NC_021166.1	Ca_kabuli_chr07	357556	TT	CC	1940373842
SNP_P1_122365_357667	NC_021166.1	Ca_kabuli_chr07	357667	TT	CC	1940373843
SNP_P1_122366_357678	NC_021166.1	Ca_kabuli_chr07	357678	TT	CC	1940373845
SNP_P1_122367_357690	NC_021166.1	Ca_kabuli_chr07	357690	GG	AA	1940373847
SNP_P1_122368_357764	NC_021166.1	Ca_kabuli_chr07	357764	TT	GG	1940373849
SNP_P1_122369_357813	NC_021166.1	Ca_kabuli_chr07	357813	CC	TT	1940373850
SNP_P1_122370_357840	NC_021166.1	Ca_kabuli_chr07	357840	AA	TT	1940373852
SNP_P1_122371_357940	NC_021166.1	Ca_kabuli_chr07	357940	AA	GG	1940373854
SNP_P1_122372_357949	NC_021166.1	Ca_kabuli_chr07	357949	TT	CC	1940373856
SNP_P1_122373_362923	NC_021166.1	Ca_kabuli_chr07	362923	TT	AA	1940373857
SNP_P1_122374_423748	NC_021166.1	Ca_kabuli_chr07	423748	GG	AA	1940373859
SNP_P1_122375_423774	NC_021166.1	Ca_kabuli_chr07	423774	CC	AA	1940373861
SNP_P1_122377_434582	NC_021166.1	Ca_kabuli_chr07	434582	GG	AA	1940373863
SNP_P1_122378_434585	NC_021166.1	Ca_kabuli_chr07	434585	GG	AA	1940373864
SNP_P1_122379_434625	NC_021166.1	Ca_kabuli_chr07	434625	CC	TT	1940373866
SNP_P1_122380_450223	NC_021166.1	Ca_kabuli_chr07	450223	AA	GG	1940373868
SNP_P1_122381_450653	NC_021166.1	Ca_kabuli_chr07	450653	TT	CC	1940373870
SNP_P1_122382_457683	NC_021166.1	Ca_kabuli_chr07	457683	TT	GG	1940373871
SNP_P1_122383_457713	NC_021166.1	Ca_kabuli_chr07	457713	TT	CC	1940373873
SNP_P1_122385_457756	NC_021166.1	Ca_kabuli_chr07	457756	GG	AA	1940373875
SNP_P1_122386_457805	NC_021166.1	Ca_kabuli_chr07	457805	TT	AA	1940373877
SNP_P1_122387_457813	NC_021166.1	Ca_kabuli_chr07	457813	TT	CC	1940373878
SNP_P1_122388_473794	NC_021166.1	Ca_kabuli_chr07	473794	GG	AA	1940373880
SNP_P1_122389_479815	NC_021166.1	Ca_kabuli_chr07	479815	AA	GG	1940373882
SNP_P1_122390_479820	NC_021166.1	Ca_kabuli_chr07	479820	GG	AA	1940373884
SNP_P1_122391_494752	NC_021166.1	Ca_kabuli_chr07	494752	AA	GG	1940373885
SNP_P1_122392_496615	NC_021166.1	Ca_kabuli_chr07	496615	AA	TT	1940373887
SNP_P1_122393_496822	NC_021166.1	Ca_kabuli_chr07	496822	AA	GG	1940373889

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122395_496944	NC_021166.1	Ca_kabuli_chr07	496944	AA	TT	1940373892
SNP_P1_122396_496958	NC_021166.1	Ca_kabuli_chr07	496958	AA	CC	1940373894
SNP_P1_122397_497005	NC_021166.1	Ca_kabuli_chr07	497005	AA	TT	1940373896
SNP_P1_122398_503257	NC_021166.1	Ca_kabuli_chr07	503257	CC	TT	1940373898
SNP_P1_122399_503277	NC_021166.1	Ca_kabuli_chr07	503277	CC	AA	1940373899
SNP_P1_122401_510394	NC_021166.1	Ca_kabuli_chr07	510394	CC	TT	1940373901
SNP_P1_122402_521278	NC_021166.1	Ca_kabuli_chr07	521278	AA	GG	1940373903
SNP_P1_122404_542577	NC_021166.1	Ca_kabuli_chr07	542577	CC	AA	1940373905
SNP_P1_122405_543689	NC_021166.1	Ca_kabuli_chr07	543689	TT	CC	1940373906
SNP_P1_122406_551221	NC_021166.1	Ca_kabuli_chr07	551221	GG	TT	1940373908
SNP_P1_122407_551228	NC_021166.1	Ca_kabuli_chr07	551228	TT	CC	1940373910
SNP_P1_122408_551258	NC_021166.1	Ca_kabuli_chr07	551258	CC	TT	1940373912
SNP_P1_122409_559442	NC_021166.1	Ca_kabuli_chr07	559442	AA	TT	1940373913
SNP_P1_122410_563789	NC_021166.1	Ca_kabuli_chr07	563789	GG	AA	1940373915
SNP_P1_122411_565341	NC_021166.1	Ca_kabuli_chr07	565341	CC	AA	1940373917
SNP_P1_122412_570669	NC_021166.1	Ca_kabuli_chr07	570669	AA	TT	1940373919
SNP_P1_122413_570748	NC_021166.1	Ca_kabuli_chr07	570748	AA	TT	1940373920
SNP_P1_122414_570802	NC_021166.1	Ca_kabuli_chr07	570802	GG	AA	1940373922
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SNP_P1_122417_585311	NC_021166.1	Ca_kabuli_chr07	585311	GG	AA	1940373926
SNP_P1_122418_585465	NC_021166.1	Ca_kabuli_chr07	585465	GG	TT	1940373927
SNP_P1_122419_585483	NC_021166.1	Ca_kabuli_chr07	585483	AA	GG	1940373929
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SNP_P1_122421_585500	NC_021166.1	Ca_kabuli_chr07	585500	CC	TT	1940373933
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SNP_P1_122424_586484	NC_021166.1	Ca_kabuli_chr07	586484	TT	GG	1940373938
SNP_P1_122425_586487	NC_021166.1	Ca_kabuli_chr07	586487	CC	GG	1940373940
SNP_P1_122426_586496	NC_021166.1	Ca_kabuli_chr07	586496	AA	GG	1940373941
SNP_P1_122427_586780	NC_021166.1	Ca_kabuli_chr07	586780	TT	CC	1940373943
SNP_P1_122428_586803	NC_021166.1	Ca_kabuli_chr07	586803	TT	CC	1940373945
SNP_P1_122429_586900	NC_021166.1	Ca_kabuli_chr07	586900	TT	GG	1940373947
SNP_P1_122430_586925	NC_021166.1	Ca_kabuli_chr07	586925	AA	GG	1940373948
SNP_P1_122431_586963	NC_021166.1	Ca_kabuli_chr07	586963	CC	TT	1940373950
SNP_P1_122433_599200	NC_021166.1	Ca_kabuli_chr07	599200	GG	AA	1940373952
SNP_P1_122434_599240	NC_021166.1	Ca_kabuli_chr07	599240	AA	GG	1940373953
SNP_P1_122435_599298	NC_021166.1	Ca_kabuli_chr07	599298	AA	GG	1940373955
SNP_P1_122436_599378	NC_021166.1	Ca_kabuli_chr07	599378	TT	CC	1940373957
SNP_P1_122437_599426	NC_021166.1	Ca_kabuli_chr07	599426	AA	TT	1940373959
SNP_P1_122438_599513	NC_021166.1	Ca_kabuli_chr07	599513	AA	GG	1940373960
SNP_P1_122439_599531	NC_021166.1	Ca_kabuli_chr07	599531	GG	AA	1940373962

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122442_639494	NC_021166.1	Ca_kabuli_chr07	639494	TT	AA	1940373967
SNP_P1_122443_639500	NC_021166.1	Ca_kabuli_chr07	639500	AA	CC	1940373969
SNP_P1_122444_639592	NC_021166.1	Ca_kabuli_chr07	639592	AA	CC	1940373971
SNP_P1_122445_639607	NC_021166.1	Ca_kabuli_chr07	639607	AA	GG	1940373973
SNP_P1_122446_639615	NC_021166.1	Ca_kabuli_chr07	639615	GG	AA	1940373974
SNP_P1_122447_660874	NC_021166.1	Ca_kabuli_chr07	660874	TT	CC	1940373976
SNP_P1_122448_687094	NC_021166.1	Ca_kabuli_chr07	687094	GG	AA	1940373978
SNP_P1_122449_687295	NC_021166.1	Ca_kabuli_chr07	687295	GG	AA	1940373980
SNP_P1_122450_760433	NC_021166.1	Ca_kabuli_chr07	760433	TT	CC	1940373981
SNP_P1_122451_760463	NC_021166.1	Ca_kabuli_chr07	760463	CC	GG	1940373983
SNP_P1_122452_760480	NC_021166.1	Ca_kabuli_chr07	760480	GG	AA	1940373985
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SNP_P1_122456_760533	NC_021166.1	Ca_kabuli_chr07	760533	CC	AA	1940373990
SNP_P1_122457_760557	NC_021166.1	Ca_kabuli_chr07	760557	CC	TT	1940373992
SNP_P1_122458_760566	NC_021166.1	Ca_kabuli_chr07	760566	TT	GG	1940373994
SNP_P1_122459_760567	NC_021166.1	Ca_kabuli_chr07	760567	CC	TT	1940373995
SNP_P1_122460_760568	NC_021166.1	Ca_kabuli_chr07	760568	GG	TT	1940373997
SNP_P1_122461_760705	NC_021166.1	Ca_kabuli_chr07	760705	CC	GG	1940373999
SNP_P1_122463_791856	NC_021166.1	Ca_kabuli_chr07	791856	GG	AA	1940374001
SNP_P1_122465_818902	NC_021166.1	Ca_kabuli_chr07	818902	GG	AA	1940374002
SNP_P1_122466_818977	NC_021166.1	Ca_kabuli_chr07	818977	CC	TT	1940374004
SNP_P1_122467_819041	NC_021166.1	Ca_kabuli_chr07	819041	GG	AA	1940374006
SNP_P1_122468_819044	NC_021166.1	Ca_kabuli_chr07	819044	CC	TT	1940374007
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SNP_P1_122470_819073	NC_021166.1	Ca_kabuli_chr07	819073	TT	CC	1940374011
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SNP_P1_122472_819130	NC_021166.1	Ca_kabuli_chr07	819130	TT	CC	1940374014
SNP_P1_122473_819178	NC_021166.1	Ca_kabuli_chr07	819178	GG	AA	1940374016
SNP_P1_122474_819220	NC_021166.1	Ca_kabuli_chr07	819220	AA	CC	1940374018
SNP_P1_122475_819261	NC_021166.1	Ca_kabuli_chr07	819261	GG	AA	1940374020
SNP_P1_122476_819270	NC_021166.1	Ca_kabuli_chr07	819270	TT	CC	1940374021
SNP_P1_122477_819310	NC_021166.1	Ca_kabuli_chr07	819310	AA	GG	1940374023
SNP_P1_122478_819319	NC_021166.1	Ca_kabuli_chr07	819319	AA	TT	1940374025
SNP_P1_122479_819325	NC_021166.1	Ca_kabuli_chr07	819325	AA	CC	1940374027
SNP_P1_122480_819332	NC_021166.1	Ca_kabuli_chr07	819332	CC	TT	1940374028
SNP_P1_122481_819333	NC_021166.1	Ca_kabuli_chr07	819333	TT	AA	1940374030
SNP_P1_122482_819352	NC_021166.1	Ca_kabuli_chr07	819352	AA	GG	1940374032
SNP_P1_122483_819367	NC_021166.1	Ca_kabuli_chr07	819367	GG	AA	1940374034
SNP_P1_122485_819513	NC_021166.1	Ca_kabuli_chr07	819513	TT	CC	1940374035

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122488_819694	NC_021166.1	Ca_kabuli_chr07	819694	GG	TT	1940374041
SNP_P1_122489_826778	NC_021166.1	Ca_kabuli_chr07	826778	AA	TT	1940374042
SNP_P1_122490_836079	NC_021166.1	Ca_kabuli_chr07	836079	AA	GG	1940374044
SNP_P1_122491_875405	NC_021166.1	Ca_kabuli_chr07	875405	CC	TT	1940374046
SNP_P1_122492_882100	NC_021166.1	Ca_kabuli_chr07	882100	TT	CC	1940374048
SNP_P1_122493_885183	NC_021166.1	Ca_kabuli_chr07	885183	CC	TT	1940374049
SNP_P1_122494_890124	NC_021166.1	Ca_kabuli_chr07	890124	TT	CC	1940374051
SNP_P1_122495_905517	NC_021166.1	Ca_kabuli_chr07	905517	GG	TT	1940374053
SNP_P1_122496_905525	NC_021166.1	Ca_kabuli_chr07	905525	GG	AA	1940374054
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SNP_P1_122498_940627	NC_021166.1	Ca_kabuli_chr07	940627	TT	AA	1940374058
SNP_P1_122499_954137	NC_021166.1	Ca_kabuli_chr07	954137	AA	TT	1940374060
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SNP_P1_122501_966301	NC_021166.1	Ca_kabuli_chr07	966301	TT	GG	1940374063
SNP_P1_122503_975043	NC_021166.1	Ca_kabuli_chr07	975043	AA	TT	1940374065
SNP_P1_122504_978516	NC_021166.1	Ca_kabuli_chr07	978516	TT	CC	1940374067
SNP_P1_122506_1000737	NC_021166.1	Ca_kabuli_chr07	1000737	AA	CC	1940374068
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SNP_P1_122512_1018540	NC_021166.1	Ca_kabuli_chr07	1018540	TT	CC	1940374079
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SNP_P1_122518_1018840	NC_021166.1	Ca_kabuli_chr07	1018840	CC	AA	1940374086
SNP_P1_122519_1019099	NC_021166.1	Ca_kabuli_chr07	1019099	TT	AA	1940374088
SNP_P1_122520_1019156	NC_021166.1	Ca_kabuli_chr07	1019156	AA	GG	1940374090
SNP_P1_122521_1019410	NC_021166.1	Ca_kabuli_chr07	1019410	AA	GG	1940374091
SNP_P1_122522_1019423	NC_021166.1	Ca_kabuli_chr07	1019423	CC	TT	1940374093
SNP_P1_122523_1019455	NC_021166.1	Ca_kabuli_chr07	1019455	AA	GG	1940374095
SNP_P1_122524_1019477	NC_021166.1	Ca_kabuli_chr07	1019477	TT	CC	1940374097
SNP_P1_122525_1019510	NC_021166.1	Ca_kabuli_chr07	1019510	AA	GG	1940374098
SNP_P1_122526_1019698	NC_021166.1	Ca_kabuli_chr07	1019698	AA	GG	1940374100
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SNP_P1_122528_1019764	NC_021166.1	Ca_kabuli_chr07	1019764	GG	AA	1940374104
SNP_P1_122529_1019768	NC_021166.1	Ca_kabuli_chr07	1019768	GG	CC	1940374105
SNP_P1_122530_1019770	NC_021166.1	Ca_kabuli_chr07	1019770	AA	TT	1940374107
SNP_P1_122531_1019780	NC_021166.1	Ca_kabuli_chr07	1019780	GG	AA	1940374109

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122534_1036971	NC_021166.1	Ca_kabuli_chr07	1036971	TT	CC	1940374114
SNP_P1_122537_1042316	NC_021166.1	Ca_kabuli_chr07	1042316	CC	TT	1940374116
SNP_P1_122539_1067067	NC_021166.1	Ca_kabuli_chr07	1067067	CC	TT	1940374118
SNP_P1_122540_1069131	NC_021166.1	Ca_kabuli_chr07	1069131	AA	CC	1940374119
SNP_P1_122541_1069132	NC_021166.1	Ca_kabuli_chr07	1069132	TT	AA	1940374121
SNP_P1_122542_1092000	NC_021166.1	Ca_kabuli_chr07	1092000	CC	TT	1940374123
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SNP_P1_122545_1156711	NC_021166.1	Ca_kabuli_chr07	1156711	GG	AA	1940374128
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SNP_P1_122550_1243444	NC_021166.1	Ca_kabuli_chr07	1243444	CC	TT	1940374133
SNP_P1_122551_1244387	NC_021166.1	Ca_kabuli_chr07	1244387	TT	CC	1940374135
SNP_P1_122552_1244943	NC_021166.1	Ca_kabuli_chr07	1244943	AA	GG	1940374137
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SNP_P1_122555_1264864	NC_021166.1	Ca_kabuli_chr07	1264864	CC	TT	1940374140
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SNP_P1_122573_1385168	NC_021166.1	Ca_kabuli_chr07	1385168	TT	CC	1940374164
SNP_P1_122575_1386791	NC_021166.1	Ca_kabuli_chr07	1386791	TT	GG	1940374166
SNP_P1_122576_1410422	NC_021166.1	Ca_kabuli_chr07	1410422	CC	TT	1940374168
SNP_P1_122577_1418116	NC_021166.1	Ca_kabuli_chr07	1418116	CC	TT	1940374170
SNP_P1_122578_1418150	NC_021166.1	Ca_kabuli_chr07	1418150	AA	GG	1940374171
SNP_P1_122580_1418771	NC_021166.1	Ca_kabuli_chr07	1418771	AA	TT	1940374173
SNP_P1_122581_1419207	NC_021166.1	Ca_kabuli_chr07	1419207	AA	GG	1940374175
SNP_P1_122582_1423113	NC_021166.1	Ca_kabuli_chr07	1423113	AA	CC	1940374177
SNP_P1_122585_1425909	NC_021166.1	Ca_kabuli_chr07	1425909	AA	TT	1940374178
SNP_P1_122586_1425911	NC_021166.1	Ca_kabuli_chr07	1425911	AA	TT	1940374180
SNP_P1_122587_1428178	NC_021166.1	Ca_kabuli_chr07	1428178	TT	GG	1940374182

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_122588_1430749	NC_021166.1	Ca_kabuli_chr07	1430749	CC	AA	1940374184
SNP_P1_122589_1447635	NC_021166.1	Ca_kabuli_chr07	1447635	AA	CC	1940374185
SNP_P1_122590_1456548	NC_021166.1	Ca_kabuli_chr07	1456548	TT	AA	1940374187
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SNP_P1_122592_1478138	NC_021166.1	Ca_kabuli_chr07	1478138	CC	TT	1940374191
SNP_P1_122593_1478170	NC_021166.1	Ca_kabuli_chr07	1478170	CC	TT	1940374193
SNP_P1_122594_1525930	NC_021166.1	Ca_kabuli_chr07	1525930	CC	AA	1940374194
SNP_P1_122595_1575143	NC_021166.1	Ca_kabuli_chr07	1575143	TT	AA	1940374196
SNP_P1_122596_1607893	NC_021166.1	Ca_kabuli_chr07	1607893	AA	CC	1940374198
SNP_P1_122597_1617991	NC_021166.1	Ca_kabuli_chr07	1617991	TT	CC	1940374200
SNP_P1_122598_1622641	NC_021166.1	Ca_kabuli_chr07	1622641	TT	AA	1940374201
SNP_P1_122601_1696007	NC_021166.1	Ca_kabuli_chr07	1696007	TT	CC	1940374203
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SNP_P1_122603_1710432	NC_021166.1	Ca_kabuli_chr07	1710432	CC	TT	1940374207
SNP_P1_122605_1757270	NC_021166.1	Ca_kabuli_chr07	1757270	TT	AA	1940374208
SNP_P1_122609_1852449	NC_021166.1	Ca_kabuli_chr07	1852449	CC	AA	1940374210
SNP_P1_122612_1888026	NC_021166.1	Ca_kabuli_chr07	1888026	CC	TT	1940374212
SNP_P1_122613_1913416	NC_021166.1	Ca_kabuli_chr07	1913416	CC	AA	1940374214
SNP_P1_122615_1914908	NC_021166.1	Ca_kabuli_chr07	1914908	CC	AA	1940374216
SNP_P1_122618_1985288	NC_021166.1	Ca_kabuli_chr07	1985288	CC	GG	1940374217
SNP_P1_122620_2055120	NC_021166.1	Ca_kabuli_chr07	2055120	AA	GG	1940374219
SNP_P1_122621_2093688	NC_021166.1	Ca_kabuli_chr07	2093688	TT	CC	1940374221
SNP_P1_122623_2113660	NC_021166.1	Ca_kabuli_chr07	2113660	CC	TT	1940374223
SNP_P1_122625_2139056	NC_021166.1	Ca_kabuli_chr07	2139056	AA	CC	1940374224
SNP_P1_122626_2144770	NC_021166.1	Ca_kabuli_chr07	2144770	AA	CC	1940374226
SNP_P1_122627_2168204	NC_021166.1	Ca_kabuli_chr07	2168204	TT	CC	1940374228
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SNP_P1_122630_2168319	NC_021166.1	Ca_kabuli_chr07	2168319	AA	CC	1940374231
SNP_P1_122631_2168338	NC_021166.1	Ca_kabuli_chr07	2168338	TT	CC	1940374233
SNP_P1_122632_2168507	NC_021166.1	Ca_kabuli_chr07	2168507	GG	AA	1940374235
SNP_P1_122633_2168538	NC_021166.1	Ca_kabuli_chr07	2168538	CC	TT	1940374237
SNP_P1_122634_2168573	NC_021166.1	Ca_kabuli_chr07	2168573	GG	AA	1940374238
SNP_P1_122635_2169661	NC_021166.1	Ca_kabuli_chr07	2169661	AA	CC	1940374240
SNP_P1_122637_2169860	NC_021166.1	Ca_kabuli_chr07	2169860	CC	TT	1940374241
SNP_P1_122638_2169893	NC_021166.1	Ca_kabuli_chr07	2169893	CC	TT	1940374243
SNP_P1_122640_2169907	NC_021166.1	Ca_kabuli_chr07	2169907	GG	CC	1940374245
SNP_P1_122641_2169981	NC_021166.1	Ca_kabuli_chr07	2169981	AA	CC	1940374247
SNP_P1_122642_2170031	NC_021166.1	Ca_kabuli_chr07	2170031	CC	TT	1940374248
SNP_P1_122643_2186054	NC_021166.1	Ca_kabuli_chr07	2186054	AA	TT	1940374250
SNP_P1_122644_2193216	NC_021166.1	Ca_kabuli_chr07	2193216	CC	GG	1940374252
SNP_P1_122645_2195070	NC_021166.1	Ca_kabuli_chr07	2195070	TT	AA	1940374254
SNP_P1_122646_2195077	NC_021166.1	Ca_kabuli_chr07	2195077	CC	AA	1940374255

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122649_2246602	NC_021166.1	Ca_kabuli_chr07	2246602	AA	TT	1940374259
SNP_P1_122650_2250179	NC_021166.1	Ca_kabuli_chr07	2250179	GG	AA	1940374261
SNP_P1_122652_2304968	NC_021166.1	Ca_kabuli_chr07	2304968	GG	AA	1940374263
SNP_P1_122653_2326915	NC_021166.1	Ca_kabuli_chr07	2326915	CC	TT	1940374264
SNP_P1_122655_2327126	NC_021166.1	Ca_kabuli_chr07	2327126	CC	TT	1940374266
SNP_P1_122656_2327154	NC_021166.1	Ca_kabuli_chr07	2327154	TT	CC	1940374268
SNP_P1_122657_2338138	NC_021166.1	Ca_kabuli_chr07	2338138	CC	GG	1940374270
SNP_P1_122660_2426591	NC_021166.1	Ca_kabuli_chr07	2426591	AA	CC	1940374271
SNP_P1_122662_2438391	NC_021166.1	Ca_kabuli_chr07	2438391	AA	GG	1940374273
SNP_P1_122664_2440503	NC_021166.1	Ca_kabuli_chr07	2440503	CC	AA	1940374275
SNP_P1_122665_2443292	NC_021166.1	Ca_kabuli_chr07	2443292	TT	AA	1940374277
SNP_P1_122666_2443293	NC_021166.1	Ca_kabuli_chr07	2443293	TT	AA	1940374278
SNP_P1_122669_2528857	NC_021166.1	Ca_kabuli_chr07	2528857	TT	CC	1940374280
SNP_P1_122671_2579073	NC_021166.1	Ca_kabuli_chr07	2579073	AA	CC	1940374282
SNP_P1_122672_2635726	NC_021166.1	Ca_kabuli_chr07	2635726	CC	AA	1940374284
SNP_P1_122674_2642358	NC_021166.1	Ca_kabuli_chr07	2642358	TT	GG	1940374285
SNP_P1_122676_2680358	NC_021166.1	Ca_kabuli_chr07	2680358	TT	CC	1940374287
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SNP_P1_122678_2710027	NC_021166.1	Ca_kabuli_chr07	2710027	TT	CC	1940374290
SNP_P1_122679_2716581	NC_021166.1	Ca_kabuli_chr07	2716581	TT	AA	1940374292
SNP_P1_122680_2726305	NC_021166.1	Ca_kabuli_chr07	2726305	AA	TT	1940374294
SNP_P1_122681_2730597	NC_021166.1	Ca_kabuli_chr07	2730597	AA	TT	1940374295
SNP_P1_122682_2765174	NC_021166.1	Ca_kabuli_chr07	2765174	AA	GG	1940374297
SNP_P1_122683_2768530	NC_021166.1	Ca_kabuli_chr07	2768530	GG	TT	1940374299
SNP_P1_122684_2801369	NC_021166.1	Ca_kabuli_chr07	2801369	AA	GG	1940374301
SNP_P1_122685_2804016	NC_021166.1	Ca_kabuli_chr07	2804016	GG	AA	1940374302
SNP_P1_122686_2806781	NC_021166.1	Ca_kabuli_chr07	2806781	CC	TT	1940374304
SNP_P1_122687_2812156	NC_021166.1	Ca_kabuli_chr07	2812156	TT	GG	1940374306
SNP_P1_122688_2812159	NC_021166.1	Ca_kabuli_chr07	2812159	TT	CC	1940374308
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SNP_P1_122690_2829769	NC_021166.1	Ca_kabuli_chr07	2829769	AA	TT	1940374311
SNP_P1_122691_2867016	NC_021166.1	Ca_kabuli_chr07	2867016	TT	CC	1940374313
SNP_P1_122692_2884577	NC_021166.1	Ca_kabuli_chr07	2884577	GG	CC	1940374315
SNP_P1_122693_2887413	NC_021166.1	Ca_kabuli_chr07	2887413	GG	CC	1940374317
SNP_P1_122694_2908632	NC_021166.1	Ca_kabuli_chr07	2908632	AA	CC	1940374318
SNP_P1_122696_2928388	NC_021166.1	Ca_kabuli_chr07	2928388	TT	CC	1940374320
SNP_P1_122698_2965062	NC_021166.1	Ca_kabuli_chr07	2965062	TT	CC	1940374322
SNP_P1_122700_2988039	NC_021166.1	Ca_kabuli_chr07	2988039	AA	TT	1940374324
SNP_P1_122703_3044437	NC_021166.1	Ca_kabuli_chr07	3044437	AA	GG	1940374325
SNP_P1_122704_3069521	NC_021166.1	Ca_kabuli_chr07	3069521	AA	TT	1940374327
SNP_P1_122705_3069524	NC_021166.1	Ca_kabuli_chr07	3069524	AA	TT	1940374329

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122708_3104156	NC_021166.1	Ca_kabuli_chr07	3104156	AA	CC	1940374332
SNP_P1_122709_3104164	NC_021166.1	Ca_kabuli_chr07	3104164	TT	CC	1940374334
SNP_P1_122710_3123658	NC_021166.1	Ca_kabuli_chr07	3123658	AA	GG	1940374336
SNP_P1_122711_3138969	NC_021166.1	Ca_kabuli_chr07	3138969	CC	TT	1940374338
SNP_P1_122712_3152607	NC_021166.1	Ca_kabuli_chr07	3152607	TT	CC	1940374339
SNP_P1_122715_3209681	NC_021166.1	Ca_kabuli_chr07	3209681	AA	TT	1940374341
SNP_P1_122716_3215412	NC_021166.1	Ca_kabuli_chr07	3215412	AA	TT	1940374343
SNP_P1_122717_3230149	NC_021166.1	Ca_kabuli_chr07	3230149	TT	CC	1940374345
SNP_P1_122718_3231604	NC_021166.1	Ca_kabuli_chr07	3231604	CC	TT	1940374346
SNP_P1_122721_3247901	NC_021166.1	Ca_kabuli_chr07	3247901	CC	AA	1940374348
SNP_P1_122722_3248240	NC_021166.1	Ca_kabuli_chr07	3248240	GG	TT	1940374350
SNP_P1_122723_3248295	NC_021166.1	Ca_kabuli_chr07	3248295	AA	CC	1940374352
SNP_P1_122724_3248303	NC_021166.1	Ca_kabuli_chr07	3248303	TT	CC	1940374354
SNP_P1_122725_3248343	NC_021166.1	Ca_kabuli_chr07	3248343	GG	TT	1940374355
SNP_P1_122726_3248387	NC_021166.1	Ca_kabuli_chr07	3248387	CC	TT	1940374357
SNP_P1_122727_3248405	NC_021166.1	Ca_kabuli_chr07	3248405	TT	GG	1940374359
SNP_P1_122728_3248674	NC_021166.1	Ca_kabuli_chr07	3248674	GG	AA	1940374361
SNP_P1_122730_3262672	NC_021166.1	Ca_kabuli_chr07	3262672	TT	CC	1940374362
SNP_P1_122731_3288546	NC_021166.1	Ca_kabuli_chr07	3288546	TT	AA	1940374364
SNP_P1_122734_3303285	NC_021166.1	Ca_kabuli_chr07	3303285	GG	TT	1940374366
SNP_P1_122736_3326784	NC_021166.1	Ca_kabuli_chr07	3326784	TT	CC	1940374367
SNP_P1_122737_3332277	NC_021166.1	Ca_kabuli_chr07	3332277	TT	CC	1940374369
SNP_P1_122738_3332280	NC_021166.1	Ca_kabuli_chr07	3332280	TT	CC	1940374371
SNP_P1_122740_3342941	NC_021166.1	Ca_kabuli_chr07	3342941	CC	TT	1940374373
SNP_P1_122741_3353422	NC_021166.1	Ca_kabuli_chr07	3353422	TT	CC	1940374374
SNP_P1_122742_3360940	NC_021166.1	Ca_kabuli_chr07	3360940	AA	TT	1940374376
SNP_P1_122743_3365016	NC_021166.1	Ca_kabuli_chr07	3365016	AA	CC	1940374378
SNP_P1_122744_3366627	NC_021166.1	Ca_kabuli_chr07	3366627	GG	TT	1940374380
SNP_P1_122745_3368489	NC_021166.1	Ca_kabuli_chr07	3368489	CC	TT	1940374381
SNP_P1_122746_3368697	NC_021166.1	Ca_kabuli_chr07	3368697	CC	TT	1940374383
SNP_P1_122747_3377747	NC_021166.1	Ca_kabuli_chr07	3377747	CC	TT	1940374385
SNP_P1_122748_3380648	NC_021166.1	Ca_kabuli_chr07	3380648	CC	TT	1940374387
SNP_P1_122749_3383467	NC_021166.1	Ca_kabuli_chr07	3383467	CC	TT	1940374388
SNP_P1_122750_3389408	NC_021166.1	Ca_kabuli_chr07	3389408	CC	TT	1940374390
SNP_P1_122752_3404164	NC_021166.1	Ca_kabuli_chr07	3404164	GG	TT	1940374392
SNP_P1_122753_3404308	NC_021166.1	Ca_kabuli_chr07	3404308	TT	GG	1940374394
SNP_P1_122754_3409827	NC_021166.1	Ca_kabuli_chr07	3409827	AA	GG	1940374395
SNP_P1_122755_3427995	NC_021166.1	Ca_kabuli_chr07	3427995	AA	CC	1940374397
SNP_P1_122756_3427996	NC_021166.1	Ca_kabuli_chr07	3427996	AA	CC	1940374399
SNP_P1_122757_3434463	NC_021166.1	Ca_kabuli_chr07	3434463	AA	GG	1940374401
SNP_P1_122758_3440476	NC_021166.1	Ca_kabuli_chr07	3440476	TT	CC	1940374402

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_122760_3441018	NC_021166.1	Ca_kabuli_chr07	3441018	AA	GG	1940374404
SNP_P1_122761_3448446	NC_021166.1	Ca_kabuli_chr07	3448446	GG	CC	1940374406
SNP_P1_122762_3453072	NC_021166.1	Ca_kabuli_chr07	3453072	TT	AA	1940374408
SNP_P1_122763_3495705	NC_021166.1	Ca_kabuli_chr07	3495705	CC	TT	1940374409
SNP_P1_122764_3502290	NC_021166.1	Ca_kabuli_chr07	3502290	GG	AA	1940374411
SNP_P1_122765_3502443	NC_021166.1	Ca_kabuli_chr07	3502443	AA	GG	1940374413
SNP_P1_122766_3502923	NC_021166.1	Ca_kabuli_chr07	3502923	TT	CC	1940374415
SNP_P1_122767_3503743	NC_021166.1	Ca_kabuli_chr07	3503743	CC	TT	1940374416
SNP_P1_122768_3503802	NC_021166.1	Ca_kabuli_chr07	3503802	TT	CC	1940374418
SNP_P1_122769_3503976	NC_021166.1	Ca_kabuli_chr07	3503976	CC	AA	1940374420
SNP_P1_122770_3504847	NC_021166.1	Ca_kabuli_chr07	3504847	GG	AA	1940374422
SNP_P1_122771_3506393	NC_021166.1	Ca_kabuli_chr07	3506393	GG	AA	1940374423
SNP_P1_122772_3506580	NC_021166.1	Ca_kabuli_chr07	3506580	GG	TT	1940374425
SNP_P1_122773_3506893	NC_021166.1	Ca_kabuli_chr07	3506893	CC	GG	1940374427
SNP_P1_122774_3507532	NC_021166.1	Ca_kabuli_chr07	3507532	CC	TT	1940374429
SNP_P1_122775_3507535	NC_021166.1	Ca_kabuli_chr07	3507535	CC	AA	1940374430
SNP_P1_122776_3507820	NC_021166.1	Ca_kabuli_chr07	3507820	AA	GG	1940374432
SNP_P1_122777_3507823	NC_021166.1	Ca_kabuli_chr07	3507823	CC	TT	1940374434
SNP_P1_122778_3508705	NC_021166.1	Ca_kabuli_chr07	3508705	GG	TT	1940374436
SNP_P1_122779_3509064	NC_021166.1	Ca_kabuli_chr07	3509064	AA	GG	1940374437
SNP_P1_122781_3509288	NC_021166.1	Ca_kabuli_chr07	3509288	AA	GG	1940374439
SNP_P1_122782_3509766	NC_021166.1	Ca_kabuli_chr07	3509766	CC	TT	1940374441
SNP_P1_122783_3510125	NC_021166.1	Ca_kabuli_chr07	3510125	GG	CC	1940374443
SNP_P1_122784_3510898	NC_021166.1	Ca_kabuli_chr07	3510898	AA	TT	1940374444
SNP_P1_122785_3511613	NC_021166.1	Ca_kabuli_chr07	3511613	CC	TT	1940374446
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SNP_P1_122788_3511980	NC_021166.1	Ca_kabuli_chr07	3511980	TT	AA	1940374451
SNP_P1_122789_3511995	NC_021166.1	Ca_kabuli_chr07	3511995	GG	AA	1940374453
SNP_P1_122790_3512153	NC_021166.1	Ca_kabuli_chr07	3512153	CC	TT	1940374455
SNP_P1_122792_3513039	NC_021166.1	Ca_kabuli_chr07	3513039	TT	CC	1940374457
SNP_P1_122793_3513729	NC_021166.1	Ca_kabuli_chr07	3513729	GG	TT	1940374458
SNP_P1_122794_3513982	NC_021166.1	Ca_kabuli_chr07	3513982	GG	TT	1940374460
SNP_P1_122795_3513999	NC_021166.1	Ca_kabuli_chr07	3513999	TT	GG	1940374462
SNP_P1_122796_3514492	NC_021166.1	Ca_kabuli_chr07	3514492	GG	AA	1940374464
SNP_P1_122798_3515960	NC_021166.1	Ca_kabuli_chr07	3515960	AA	GG	1940374465
SNP_P1_122799_3516068	NC_021166.1	Ca_kabuli_chr07	3516068	TT	AA	1940374467
SNP_P1_122800_3516080	NC_021166.1	Ca_kabuli_chr07	3516080	CC	TT	1940374469
SNP_P1_122802_3517523	NC_021166.1	Ca_kabuli_chr07	3517523	AA	TT	1940374471
SNP_P1_122803_3517893	NC_021166.1	Ca_kabuli_chr07	3517893	GG	TT	1940374472
SNP_P1_122804_3518158	NC_021166.1	Ca_kabuli_chr07	3518158	TT	CC	1940374474
SNP_P1_122805_3518550	NC_021166.1	Ca_kabuli_chr07	3518550	AA	GG	1940374476

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122808_3519094	NC_021166.1	Ca_kabuli_chr07	3519094	GG	TT	1940374481
SNP_P1_122809_3519471	NC_021166.1	Ca_kabuli_chr07	3519471	AA	TT	1940374483
SNP_P1_122810_3519606	NC_021166.1	Ca_kabuli_chr07	3519606	TT	CC	1940374485
SNP_P1_122811_3519918	NC_021166.1	Ca_kabuli_chr07	3519918	GG	AA	1940374486
SNP_P1_122812_3520234	NC_021166.1	Ca_kabuli_chr07	3520234	GG	CC	1940374488
SNP_P1_122813_3520507	NC_021166.1	Ca_kabuli_chr07	3520507	TT	AA	1940374490
SNP_P1_122814_3520548	NC_021166.1	Ca_kabuli_chr07	3520548	AA	GG	1940374492
SNP_P1_122815_3520566	NC_021166.1	Ca_kabuli_chr07	3520566	AA	CC	1940374493
SNP_P1_122816_3520759	NC_021166.1	Ca_kabuli_chr07	3520759	CC	TT	1940374495
SNP_P1_122817_3520797	NC_021166.1	Ca_kabuli_chr07	3520797	GG	CC	1940374496
SNP_P1_122818_3521192	NC_021166.1	Ca_kabuli_chr07	3521192	CC	AA	1940374497
SNP_P1_122819_3521744	NC_021166.1	Ca_kabuli_chr07	3521744	GG	AA	1940374499
SNP_P1_122821_3523203	NC_021166.1	Ca_kabuli_chr07	3523203	GG	AA	1940374501
SNP_P1_122823_3523572	NC_021166.1	Ca_kabuli_chr07	3523572	GG	AA	1940374502
SNP_P1_122824_3523599	NC_021166.1	Ca_kabuli_chr07	3523599	AA	CC	1940374504
SNP_P1_122825_3523887	NC_021166.1	Ca_kabuli_chr07	3523887	AA	GG	1940374506
SNP_P1_122826_3524044	NC_021166.1	Ca_kabuli_chr07	3524044	TT	CC	1940374508
SNP_P1_122827_3524148	NC_021166.1	Ca_kabuli_chr07	3524148	CC	TT	1940374509
SNP_P1_122828_3524251	NC_021166.1	Ca_kabuli_chr07	3524251	TT	CC	1940374511
SNP_P1_122830_3524349	NC_021166.1	Ca_kabuli_chr07	3524349	GG	AA	1940374513
SNP_P1_122832_3528676	NC_021166.1	Ca_kabuli_chr07	3528676	CC	TT	1940374515
SNP_P1_122833_3528679	NC_021166.1	Ca_kabuli_chr07	3528679	TT	CC	1940374516
SNP_P1_122834_3528709	NC_021166.1	Ca_kabuli_chr07	3528709	CC	TT	1940374518
SNP_P1_122835_3528860	NC_021166.1	Ca_kabuli_chr07	3528860	TT	CC	1940374520
SNP_P1_122836_3528926	NC_021166.1	Ca_kabuli_chr07	3528926	CC	TT	1940374522
SNP_P1_122837_3528969	NC_021166.1	Ca_kabuli_chr07	3528969	AA	GG	1940374523
SNP_P1_122838_3529166	NC_021166.1	Ca_kabuli_chr07	3529166	AA	GG	1940374525
SNP_P1_122839_3529177	NC_021166.1	Ca_kabuli_chr07	3529177	GG	CC	1940374527
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SNP_P1_122841_3529795	NC_021166.1	Ca_kabuli_chr07	3529795	GG	CC	1940374530
SNP_P1_122842_3530011	NC_021166.1	Ca_kabuli_chr07	3530011	GG	AA	1940374532
SNP_P1_122843_3530094	NC_021166.1	Ca_kabuli_chr07	3530094	TT	AA	1940374534
SNP_P1_122844_3530661	NC_021166.1	Ca_kabuli_chr07	3530661	CC	TT	1940374536
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SNP_P1_122847_3531081	NC_021166.1	Ca_kabuli_chr07	3531081	AA	GG	1940374541
SNP_P1_122848_3531129	NC_021166.1	Ca_kabuli_chr07	3531129	GG	AA	1940374543
SNP_P1_122849_3532060	NC_021166.1	Ca_kabuli_chr07	3532060	AA	GG	1940374544
SNP_P1_122850_3532234	NC_021166.1	Ca_kabuli_chr07	3532234	GG	CC	1940374546
SNP_P1_122851_3532274	NC_021166.1	Ca_kabuli_chr07	3532274	AA	GG	1940374548

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122854_3532320	NC_021166.1	Ca_kabuli_chr07	3532320	AA	CC	1940374553
SNP_P1_122855_3532532	NC_021166.1	Ca_kabuli_chr07	3532532	AA	CC	1940374555
SNP_P1_122856_3532549	NC_021166.1	Ca_kabuli_chr07	3532549	CC	TT	1940374557
SNP_P1_122857_3532553	NC_021166.1	Ca_kabuli_chr07	3532553	TT	AA	1940374558
SNP_P1_122858_3536946	NC_021166.1	Ca_kabuli_chr07	3536946	TT	CC	1940374560
SNP_P1_122859_3539575	NC_021166.1	Ca_kabuli_chr07	3539575	TT	CC	1940374562
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SNP_P1_122861_3539644	NC_021166.1	Ca_kabuli_chr07	3539644	CC	AA	1940374565
SNP_P1_122863_3540242	NC_021166.1	Ca_kabuli_chr07	3540242	CC	AA	1940374567
SNP_P1_122864_3540255	NC_021166.1	Ca_kabuli_chr07	3540255	TT	CC	1940374569
SNP_P1_122865_3540884	NC_021166.1	Ca_kabuli_chr07	3540884	GG	AA	1940374571
SNP_P1_122866_3543329	NC_021166.1	Ca_kabuli_chr07	3543329	GG	TT	1940374572
SNP_P1_122867_3543433	NC_021166.1	Ca_kabuli_chr07	3543433	CC	AA	1940374574
SNP_P1_122868_3544511	NC_021166.1	Ca_kabuli_chr07	3544511	CC	GG	1940374576
SNP_P1_122869_3544577	NC_021166.1	Ca_kabuli_chr07	3544577	AA	CC	1940374578
SNP_P1_122870_3544868	NC_021166.1	Ca_kabuli_chr07	3544868	AA	GG	1940374580
SNP_P1_122871_3544887	NC_021166.1	Ca_kabuli_chr07	3544887	CC	AA	1940374581
SNP_P1_122872_3544962	NC_021166.1	Ca_kabuli_chr07	3544962	CC	TT	1940374583
SNP_P1_122873_3544963	NC_021166.1	Ca_kabuli_chr07	3544963	GG	AA	1940374585
SNP_P1_122874_3545558	NC_021166.1	Ca_kabuli_chr07	3545558	AA	GG	1940374587
SNP_P1_122875_3547057	NC_021166.1	Ca_kabuli_chr07	3547057	AA	GG	1940374588
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SNP_P1_122880_3549255	NC_021166.1	Ca_kabuli_chr07	3549255	AA	CC	1940374597
SNP_P1_122881_3550546	NC_021166.1	Ca_kabuli_chr07	3550546	AA	CC	1940374599
SNP_P1_122882_3550693	NC_021166.1	Ca_kabuli_chr07	3550693	AA	CC	1940374600
SNP_P1_122883_3550811	NC_021166.1	Ca_kabuli_chr07	3550811	GG	AA	1940374602
SNP_P1_122884_3550836	NC_021166.1	Ca_kabuli_chr07	3550836	GG	AA	1940374604
SNP_P1_122886_3550873	NC_021166.1	Ca_kabuli_chr07	3550873	AA	TT	1940374606
SNP_P1_122887_3550926	NC_021166.1	Ca_kabuli_chr07	3550926	TT	CC	1940374607
SNP_P1_122888_3550944	NC_021166.1	Ca_kabuli_chr07	3550944	CC	TT	1940374609
SNP_P1_122889_3550946	NC_021166.1	Ca_kabuli_chr07	3550946	TT	CC	1940374611
SNP_P1_122890_3551951	NC_021166.1	Ca_kabuli_chr07	3551951	AA	CC	1940374613
SNP_P1_122891_3551954	NC_021166.1	Ca_kabuli_chr07	3551954	AA	CC	1940374614
SNP_P1_122893_3552361	NC_021166.1	Ca_kabuli_chr07	3552361	GG	AA	1940374616
SNP_P1_122894_3552504	NC_021166.1	Ca_kabuli_chr07	3552504	GG	AA	1940374618
SNP_P1_122895_3553239	NC_021166.1	Ca_kabuli_chr07	3553239	TT	GG	1940374620
SNP_P1_122896_3553326	NC_021166.1	Ca_kabuli_chr07	3553326	TT	GG	1940374621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122900_3557446	NC_021166.1	Ca_kabuli_chr07	3557446	GG	AA	1940374627
SNP_P1_122901_3558334	NC_021166.1	Ca_kabuli_chr07	3558334	AA	CC	1940374628
SNP_P1_122902_3562640	NC_021166.1	Ca_kabuli_chr07	3562640	TT	CC	1940374630
SNP_P1_122903_3565061	NC_021166.1	Ca_kabuli_chr07	3565061	CC	TT	1940374632
SNP_P1_122904_3565068	NC_021166.1	Ca_kabuli_chr07	3565068	AA	GG	1940374634
SNP_P1_122905_3565111	NC_021166.1	Ca_kabuli_chr07	3565111	TT	CC	1940374635
SNP_P1_122906_3565261	NC_021166.1	Ca_kabuli_chr07	3565261	AA	CC	1940374637
SNP_P1_122907_3565269	NC_021166.1	Ca_kabuli_chr07	3565269	AA	GG	1940374639
SNP_P1_122908_3565496	NC_021166.1	Ca_kabuli_chr07	3565496	CC	TT	1940374641
SNP_P1_122909_3567427	NC_021166.1	Ca_kabuli_chr07	3567427	GG	AA	1940374642
SNP_P1_122910_3567474	NC_021166.1	Ca_kabuli_chr07	3567474	CC	TT	1940374644
SNP_P1_122911_3567816	NC_021166.1	Ca_kabuli_chr07	3567816	AA	GG	1940374646
SNP_P1_122913_3567866	NC_021166.1	Ca_kabuli_chr07	3567866	TT	CC	1940374648
SNP_P1_122914_3567911	NC_021166.1	Ca_kabuli_chr07	3567911	CC	TT	1940374649
SNP_P1_122915_3568570	NC_021166.1	Ca_kabuli_chr07	3568570	TT	CC	1940374651
SNP_P1_122916_3568756	NC_021166.1	Ca_kabuli_chr07	3568756	AA	GG	1940374653
SNP_P1_122917_3569907	NC_021166.1	Ca_kabuli_chr07	3569907	TT	AA	1940374655
SNP_P1_122918_3572439	NC_021166.1	Ca_kabuli_chr07	3572439	AA	GG	1940374656
SNP_P1_122919_3573794	NC_021166.1	Ca_kabuli_chr07	3573794	TT	AA	1940374658
SNP_P1_122920_3573998	NC_021166.1	Ca_kabuli_chr07	3573998	CC	TT	1940374660
SNP_P1_122921_3575330	NC_021166.1	Ca_kabuli_chr07	3575330	TT	CC	1940374662
SNP_P1_122922_3575574	NC_021166.1	Ca_kabuli_chr07	3575574	GG	TT	1940374663
SNP_P1_122923_3575669	NC_021166.1	Ca_kabuli_chr07	3575669	GG	CC	1940374665
SNP_P1_122924_3576138	NC_021166.1	Ca_kabuli_chr07	3576138	GG	CC	1940374667
SNP_P1_122925_3577144	NC_021166.1	Ca_kabuli_chr07	3577144	CC	GG	1940374669
SNP_P1_122926_3577482	NC_021166.1	Ca_kabuli_chr07	3577482	GG	AA	1940374670
SNP_P1_122927_3577645	NC_021166.1	Ca_kabuli_chr07	3577645	AA	GG	1940374672
SNP_P1_122928_3577976	NC_021166.1	Ca_kabuli_chr07	3577976	GG	CC	1940374674
SNP_P1_122929_3580487	NC_021166.1	Ca_kabuli_chr07	3580487	TT	CC	1940374676
SNP_P1_122930_3582147	NC_021166.1	Ca_kabuli_chr07	3582147	GG	CC	1940374677
SNP_P1_122932_3582889	NC_021166.1	Ca_kabuli_chr07	3582889	CC	TT	1940374679
SNP_P1_122934_3584848	NC_021166.1	Ca_kabuli_chr07	3584848	GG	AA	1940374681
SNP_P1_122935_3585189	NC_021166.1	Ca_kabuli_chr07	3585189	TT	CC	1940374683
SNP_P1_122936_3585644	NC_021166.1	Ca_kabuli_chr07	3585644	CC	AA	1940374684
SNP_P1_122937_3587476	NC_021166.1	Ca_kabuli_chr07	3587476	TT	GG	1940374686
SNP_P1_122938_3587974	NC_021166.1	Ca_kabuli_chr07	3587974	AA	GG	1940374688
SNP_P1_122939_3588119	NC_021166.1	Ca_kabuli_chr07	3588119	CC	TT	1940374690
SNP_P1_122940_3589087	NC_021166.1	Ca_kabuli_chr07	3589087	TT	CC	1940374691
SNP_P1_122941_3589102	NC_021166.1	Ca_kabuli_chr07	3589102	AA	GG	1940374693
SNP_P1_122942_3589129	NC_021166.1	Ca_kabuli_chr07	3589129	TT	CC	1940374695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122946_3593837	NC_021166.1	Ca_kabuli_chr07	3593837	GG	AA	1940374700
SNP_P1_122948_3594282	NC_021166.1	Ca_kabuli_chr07	3594282	TT	CC	1940374702
SNP_P1_122949_3594581	NC_021166.1	Ca_kabuli_chr07	3594581	AA	TT	1940374703
SNP_P1_122950_3594585	NC_021166.1	Ca_kabuli_chr07	3594585	AA	GG	1940374705
SNP_P1_122951_3594671	NC_021166.1	Ca_kabuli_chr07	3594671	AA	GG	1940374707
SNP_P1_122952_3595140	NC_021166.1	Ca_kabuli_chr07	3595140	TT	GG	1940374709
SNP_P1_122953_3595165	NC_021166.1	Ca_kabuli_chr07	3595165	TT	CC	1940374711
SNP_P1_122954_3595169	NC_021166.1	Ca_kabuli_chr07	3595169	GG	AA	1940374712
SNP_P1_122955_3595484	NC_021166.1	Ca_kabuli_chr07	3595484	AA	TT	1940374714
SNP_P1_122956_3595776	NC_021166.1	Ca_kabuli_chr07	3595776	CC	TT	1940374716
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SNP_P1_122958_3597359	NC_021166.1	Ca_kabuli_chr07	3597359	GG	AA	1940374719
SNP_P1_122959_3598626	NC_021166.1	Ca_kabuli_chr07	3598626	CC	TT	1940374721
SNP_P1_122961_3599133	NC_021166.1	Ca_kabuli_chr07	3599133	TT	CC	1940374723
SNP_P1_122962_3599167	NC_021166.1	Ca_kabuli_chr07	3599167	CC	GG	1940374724
SNP_P1_122963_3599352	NC_021166.1	Ca_kabuli_chr07	3599352	CC	TT	1940374726
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SNP_P1_122969_3600325	NC_021166.1	Ca_kabuli_chr07	3600325	TT	CC	1940374735
SNP_P1_122970_3600350	NC_021166.1	Ca_kabuli_chr07	3600350	CC	TT	1940374737
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SNP_P1_122975_3601454	NC_021166.1	Ca_kabuli_chr07	3601454	CC	GG	1940374745
SNP_P1_122976_3601804	NC_021166.1	Ca_kabuli_chr07	3601804	GG	AA	1940374747
SNP_P1_122977_3601818	NC_021166.1	Ca_kabuli_chr07	3601818	GG	AA	1940374749
SNP_P1_122978_3601870	NC_021166.1	Ca_kabuli_chr07	3601870	TT	AA	1940374751
SNP_P1_122980_3602623	NC_021166.1	Ca_kabuli_chr07	3602623	AA	GG	1940374752
SNP_P1_122982_3603233	NC_021166.1	Ca_kabuli_chr07	3603233	AA	GG	1940374754
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SNP_P1_122984_3604018	NC_021166.1	Ca_kabuli_chr07	3604018	TT	CC	1940374758
SNP_P1_122985_3604274	NC_021166.1	Ca_kabuli_chr07	3604274	TT	CC	1940374759
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SNP_P1_122987_3604307	NC_021166.1	Ca_kabuli_chr07	3604307	TT	AA	1940374763
SNP_P1_122988_3604321	NC_021166.1	Ca_kabuli_chr07	3604321	TT	CC	1940374765
SNP_P1_122989_3604479	NC_021166.1	Ca_kabuli_chr07	3604479	GG	AA	1940374766
SNP_P1_122990_3604727	NC_021166.1	Ca_kabuli_chr07	3604727	CC	TT	1940374768

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_122993_3606679	NC_021166.1	Ca_kabuli_chr07	3606679	CC	TT	1940374773
SNP_P1_122994_3606801	NC_021166.1	Ca_kabuli_chr07	3606801	CC	GG	1940374775
SNP_P1_122995_3607188	NC_021166.1	Ca_kabuli_chr07	3607188	TT	GG	1940374777
SNP_P1_122996_3607241	NC_021166.1	Ca_kabuli_chr07	3607241	CC	GG	1940374779
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SNP_P1_122999_3608546	NC_021166.1	Ca_kabuli_chr07	3608546	CC	TT	1940374782
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SNP_P1_123001_3608858	NC_021166.1	Ca_kabuli_chr07	3608858	TT	CC	1940374786
SNP_P1_123002_3609437	NC_021166.1	Ca_kabuli_chr07	3609437	GG	AA	1940374787
SNP_P1_123003_3609509	NC_021166.1	Ca_kabuli_chr07	3609509	CC	AA	1940374789
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SNP_P1_123006_3612490	NC_021166.1	Ca_kabuli_chr07	3612490	CC	GG	1940374794
SNP_P1_123007_3612532	NC_021166.1	Ca_kabuli_chr07	3612532	CC	TT	1940374796
SNP_P1_123008_3612825	NC_021166.1	Ca_kabuli_chr07	3612825	AA	TT	1940374798
SNP_P1_123009_3612954	NC_021166.1	Ca_kabuli_chr07	3612954	AA	GG	1940374800
SNP_P1_123010_3613014	NC_021166.1	Ca_kabuli_chr07	3613014	GG	CC	1940374801
SNP_P1_123011_3613228	NC_021166.1	Ca_kabuli_chr07	3613228	TT	GG	1940374803
SNP_P1_123012_3613300	NC_021166.1	Ca_kabuli_chr07	3613300	TT	AA	1940374805
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SNP_P1_123014_3613455	NC_021166.1	Ca_kabuli_chr07	3613455	GG	AA	1940374808
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SNP_P1_123017_3614542	NC_021166.1	Ca_kabuli_chr07	3614542	CC	GG	1940374812
SNP_P1_123018_3615240	NC_021166.1	Ca_kabuli_chr07	3615240	AA	GG	1940374814
SNP_P1_123019_3615304	NC_021166.1	Ca_kabuli_chr07	3615304	AA	CC	1940374815
SNP_P1_123020_3615574	NC_021166.1	Ca_kabuli_chr07	3615574	TT	AA	1940374817
SNP_P1_123021_3615632	NC_021166.1	Ca_kabuli_chr07	3615632	AA	GG	1940374819
SNP_P1_123022_3615642	NC_021166.1	Ca_kabuli_chr07	3615642	TT	CC	1940374821
SNP_P1_123023_3615938	NC_021166.1	Ca_kabuli_chr07	3615938	AA	GG	1940374822
SNP_P1_123024_3616061	NC_021166.1	Ca_kabuli_chr07	3616061	CC	TT	1940374824
SNP_P1_123025_3616082	NC_021166.1	Ca_kabuli_chr07	3616082	TT	CC	1940374826
SNP_P1_123026_3616131	NC_021166.1	Ca_kabuli_chr07	3616131	CC	TT	1940374828
SNP_P1_123027_3616145	NC_021166.1	Ca_kabuli_chr07	3616145	TT	GG	1940374829
SNP_P1_123029_3616415	NC_021166.1	Ca_kabuli_chr07	3616415	CC	GG	1940374831
SNP_P1_123030_3616597	NC_021166.1	Ca_kabuli_chr07	3616597	AA	CC	1940374833
SNP_P1_123031_3616758	NC_021166.1	Ca_kabuli_chr07	3616758	GG	AA	1940374835
SNP_P1_123032_3617367	NC_021166.1	Ca_kabuli_chr07	3617367	AA	TT	1940374836
SNP_P1_123034_3618166	NC_021166.1	Ca_kabuli_chr07	3618166	TT	CC	1940374838
SNP_P1_123035_3618170	NC_021166.1	Ca_kabuli_chr07	3618170	GG	AA	1940374840
SNP_P1_123036_3618702	NC_021166.1	Ca_kabuli_chr07	3618702	TT	CC	1940374842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123039_3619792	NC_021166.1	Ca_kabuli_chr07	3619792	TT	GG	1940374845
SNP_P1_123040_3619919	NC_021166.1	Ca_kabuli_chr07	3619919	TT	AA	1940374847
SNP_P1_123041_3620089	NC_021166.1	Ca_kabuli_chr07	3620089	GG	CC	1940374849
SNP_P1_123042_3620239	NC_021166.1	Ca_kabuli_chr07	3620239	AA	GG	1940374851
SNP_P1_123044_3620439	NC_021166.1	Ca_kabuli_chr07	3620439	AA	TT	1940374852
SNP_P1_123045_3620498	NC_021166.1	Ca_kabuli_chr07	3620498	TT	AA	1940374854
SNP_P1_123046_3620513	NC_021166.1	Ca_kabuli_chr07	3620513	TT	GG	1940374856
SNP_P1_123047_3621529	NC_021166.1	Ca_kabuli_chr07	3621529	CC	TT	1940374858
SNP_P1_123049_3621926	NC_021166.1	Ca_kabuli_chr07	3621926	AA	GG	1940374859
SNP_P1_123052_3622346	NC_021166.1	Ca_kabuli_chr07	3622346	TT	CC	1940374861
SNP_P1_123053_3623090	NC_021166.1	Ca_kabuli_chr07	3623090	AA	CC	1940374863
SNP_P1_123054_3623132	NC_021166.1	Ca_kabuli_chr07	3623132	GG	AA	1940374865
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SNP_P1_123059_3629633	NC_021166.1	Ca_kabuli_chr07	3629633	TT	AA	1940374873
SNP_P1_123061_3630067	NC_021166.1	Ca_kabuli_chr07	3630067	AA	TT	1940374875
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SNP_P1_123064_3630304	NC_021166.1	Ca_kabuli_chr07	3630304	GG	AA	1940374880
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SNP_P1_123073_3632878	NC_021166.1	Ca_kabuli_chr07	3632878	AA	GG	1940374893
SNP_P1_123074_3632930	NC_021166.1	Ca_kabuli_chr07	3632930	GG	CC	1940374894
SNP_P1_123076_3633555	NC_021166.1	Ca_kabuli_chr07	3633555	GG	TT	1940374896
SNP_P1_123077_3634459	NC_021166.1	Ca_kabuli_chr07	3634459	TT	CC	1940374898
SNP_P1_123078_3635082	NC_021166.1	Ca_kabuli_chr07	3635082	CC	TT	1940374900
SNP_P1_123079_3635713	NC_021166.1	Ca_kabuli_chr07	3635713	GG	TT	1940374901
SNP_P1_123080_3636268	NC_021166.1	Ca_kabuli_chr07	3636268	TT	CC	1940374903
SNP_P1_123081_3636792	NC_021166.1	Ca_kabuli_chr07	3636792	TT	CC	1940374905
SNP_P1_123082_3637802	NC_021166.1	Ca_kabuli_chr07	3637802	GG	AA	1940374907
SNP_P1_123083_3637908	NC_021166.1	Ca_kabuli_chr07	3637908	CC	TT	1940374908
SNP_P1_123084_3638142	NC_021166.1	Ca_kabuli_chr07	3638142	CC	GG	1940374910
SNP_P1_123085_3638803	NC_021166.1	Ca_kabuli_chr07	3638803	GG	TT	1940374912
SNP_P1_123086_3641331	NC_021166.1	Ca_kabuli_chr07	3641331	TT	CC	1940374914
SNP_P1_123087_3641713	NC_021166.1	Ca_kabuli_chr07	3641713	TT	CC	1940374915

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123090_3645358	NC_021166.1	Ca_kabuli_chr07	3645358	TT	CC	1940374921
SNP_P1_123091_3646101	NC_021166.1	Ca_kabuli_chr07	3646101	AA	GG	1940374922
SNP_P1_123092_3646298	NC_021166.1	Ca_kabuli_chr07	3646298	CC	TT	1940374924
SNP_P1_123093_3646520	NC_021166.1	Ca_kabuli_chr07	3646520	AA	GG	1940374926
SNP_P1_123094_3646555	NC_021166.1	Ca_kabuli_chr07	3646555	AA	GG	1940374928
SNP_P1_123095_3646951	NC_021166.1	Ca_kabuli_chr07	3646951	TT	CC	1940374929
SNP_P1_123097_3648179	NC_021166.1	Ca_kabuli_chr07	3648179	TT	CC	1940374931
SNP_P1_123098_3648183	NC_021166.1	Ca_kabuli_chr07	3648183	TT	CC	1940374933
SNP_P1_123099_3648184	NC_021166.1	Ca_kabuli_chr07	3648184	GG	AA	1940374935
SNP_P1_123100_3648194	NC_021166.1	Ca_kabuli_chr07	3648194	AA	GG	1940374936
SNP_P1_123101_3648469	NC_021166.1	Ca_kabuli_chr07	3648469	AA	CC	1940374938
SNP_P1_123102_3649596	NC_021166.1	Ca_kabuli_chr07	3649596	GG	AA	1940374940
SNP_P1_123103_3649630	NC_021166.1	Ca_kabuli_chr07	3649630	CC	TT	1940374942
SNP_P1_123104_3649635	NC_021166.1	Ca_kabuli_chr07	3649635	AA	TT	1940374943
SNP_P1_123105_3650540	NC_021166.1	Ca_kabuli_chr07	3650540	TT	GG	1940374945
SNP_P1_123106_3650612	NC_021166.1	Ca_kabuli_chr07	3650612	TT	CC	1940374947
SNP_P1_123107_3651683	NC_021166.1	Ca_kabuli_chr07	3651683	CC	AA	1940374949
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SNP_P1_123110_3654046	NC_021166.1	Ca_kabuli_chr07	3654046	GG	TT	1940374954
SNP_P1_123111_3654254	NC_021166.1	Ca_kabuli_chr07	3654254	GG	AA	1940374956
SNP_P1_123112_3655423	NC_021166.1	Ca_kabuli_chr07	3655423	TT	CC	1940374957
SNP_P1_123113_3659146	NC_021166.1	Ca_kabuli_chr07	3659146	AA	GG	1940374959
SNP_P1_123114_3659759	NC_021166.1	Ca_kabuli_chr07	3659759	AA	GG	1940374961
SNP_P1_123115_3660250	NC_021166.1	Ca_kabuli_chr07	3660250	AA	CC	1940374963
SNP_P1_123116_3661188	NC_021166.1	Ca_kabuli_chr07	3661188	GG	AA	1940374964
SNP_P1_123117_3661353	NC_021166.1	Ca_kabuli_chr07	3661353	CC	AA	1940374966
SNP_P1_123118_3663105	NC_021166.1	Ca_kabuli_chr07	3663105	AA	CC	1940374968
SNP_P1_123119_3663817	NC_021166.1	Ca_kabuli_chr07	3663817	TT	AA	1940374970
SNP_P1_123120_3664374	NC_021166.1	Ca_kabuli_chr07	3664374	GG	TT	1940374971
SNP_P1_123121_3664450	NC_021166.1	Ca_kabuli_chr07	3664450	TT	GG	1940374973
SNP_P1_123122_3665016	NC_021166.1	Ca_kabuli_chr07	3665016	CC	TT	1940374975
SNP_P1_123123_3665651	NC_021166.1	Ca_kabuli_chr07	3665651	GG	CC	1940374977
SNP_P1_123124_3665915	NC_021166.1	Ca_kabuli_chr07	3665915	CC	AA	1940374978
SNP_P1_123125_3666319	NC_021166.1	Ca_kabuli_chr07	3666319	AA	GG	1940374980
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SNP_P1_123127_3666340	NC_021166.1	Ca_kabuli_chr07	3666340	TT	AA	1940374984
SNP_P1_123128_3667533	NC_021166.1	Ca_kabuli_chr07	3667533	AA	GG	1940374985
SNP_P1_123129_3667924	NC_021166.1	Ca_kabuli_chr07	3667924	AA	GG	1940374987
SNP_P1_123130_3668142	NC_021166.1	Ca_kabuli_chr07	3668142	TT	GG	1940374989

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123134_3670626	NC_021166.1	Ca_kabuli_chr07	3670626	CC	AA	1940374994
SNP_P1_123135_3670627	NC_021166.1	Ca_kabuli_chr07	3670627	TT	CC	1940374996
SNP_P1_123136_3671055	NC_021166.1	Ca_kabuli_chr07	3671055	CC	TT	1940374998
SNP_P1_123137_3671092	NC_021166.1	Ca_kabuli_chr07	3671092	TT	CC	1940375000
SNP_P1_123138_3671095	NC_021166.1	Ca_kabuli_chr07	3671095	AA	GG	1940375001
SNP_P1_123139_3671870	NC_021166.1	Ca_kabuli_chr07	3671870	AA	CC	1940375003
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SNP_P1_123141_3671938	NC_021166.1	Ca_kabuli_chr07	3671938	CC	GG	1940375007
SNP_P1_123143_3672192	NC_021166.1	Ca_kabuli_chr07	3672192	TT	CC	1940375008
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SNP_P1_123149_3674154	NC_021166.1	Ca_kabuli_chr07	3674154	CC	AA	1940375019
SNP_P1_123150_3674396	NC_021166.1	Ca_kabuli_chr07	3674396	TT	GG	1940375021
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SNP_P1_123166_3679491	NC_021166.1	Ca_kabuli_chr07	3679491	CC	TT	1940375045
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SNP_P1_123168_3679713	NC_021166.1	Ca_kabuli_chr07	3679713	GG	AA	1940375049
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SNP_P1_123170_3681990	NC_021166.1	Ca_kabuli_chr07	3681990	GG	TT	1940375052
SNP_P1_123171_3682017	NC_021166.1	Ca_kabuli_chr07	3682017	TT	CC	1940375054
SNP_P1_123172_3682345	NC_021166.1	Ca_kabuli_chr07	3682345	AA	GG	1940375056
SNP_P1_123173_3682691	NC_021166.1	Ca_kabuli_chr07	3682691	GG	CC	1940375057
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SNP_P1_123175_3682717	NC_021166.1	Ca_kabuli_chr07	3682717	GG	AA	1940375061
SNP_P1_123176_3682751	NC_021166.1	Ca_kabuli_chr07	3682751	CC	TT	1940375063

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123181_3683683	NC_021166.1	Ca_kabuli_chr07	3683683	TT	CC	1940375070
SNP_P1_123183_3684390	NC_021166.1	Ca_kabuli_chr07	3684390	AA	GG	1940375071
SNP_P1_123184_3687279	NC_021166.1	Ca_kabuli_chr07	3687279	AA	TT	1940375073
SNP_P1_123185_3687294	NC_021166.1	Ca_kabuli_chr07	3687294	AA	TT	1940375075
SNP_P1_123186_3687297	NC_021166.1	Ca_kabuli_chr07	3687297	AA	TT	1940375077
SNP_P1_123187_3687458	NC_021166.1	Ca_kabuli_chr07	3687458	CC	AA	1940375078
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SNP_P1_123189_3687508	NC_021166.1	Ca_kabuli_chr07	3687508	GG	TT	1940375082
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SNP_P1_123195_3687742	NC_021166.1	Ca_kabuli_chr07	3687742	AA	GG	1940375091
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SNP_P1_123197_3688051	NC_021166.1	Ca_kabuli_chr07	3688051	AA	TT	1940375094
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SNP_P1_123199_3688593	NC_021166.1	Ca_kabuli_chr07	3688593	AA	GG	1940375098
SNP_P1_123200_3688653	NC_021166.1	Ca_kabuli_chr07	3688653	CC	GG	1940375099
SNP_P1_123201_3689581	NC_021166.1	Ca_kabuli_chr07	3689581	CC	AA	1940375101
SNP_P1_123202_3689590	NC_021166.1	Ca_kabuli_chr07	3689590	GG	AA	1940375103
SNP_P1_123204_3689842	NC_021166.1	Ca_kabuli_chr07	3689842	AA	CC	1940375105
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SNP_P1_123215_3693860	NC_021166.1	Ca_kabuli_chr07	3693860	GG	AA	1940375120
SNP_P1_123217_3708607	NC_021166.1	Ca_kabuli_chr07	3708607	GG	AA	1940375122
SNP_P1_123219_3721492	NC_021166.1	Ca_kabuli_chr07	3721492	TT	CC	1940375124
SNP_P1_123222_3772068	NC_021166.1	Ca_kabuli_chr07	3772068	TT	CC	1940375126
SNP_P1_123224_3826772	NC_021166.1	Ca_kabuli_chr07	3826772	AA	GG	1940375127
SNP_P1_123225_3826780	NC_021166.1	Ca_kabuli_chr07	3826780	AA	CC	1940375129
SNP_P1_123226_3860673	NC_021166.1	Ca_kabuli_chr07	3860673	TT	CC	1940375131
SNP_P1_123227_3869253	NC_021166.1	Ca_kabuli_chr07	3869253	TT	CC	1940375133
SNP_P1_123228_3896298	NC_021166.1	Ca_kabuli_chr07	3896298	GG	AA	1940375134
SNP_P1_123229_3902770	NC_021166.1	Ca_kabuli_chr07	3902770	CC	TT	1940375136

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_123231_3916977	NC_021166.1	Ca_kabuli_chr07	3916977	AA	GG	1940375138
SNP_P1_123234_3961053	NC_021166.1	Ca_kabuli_chr07	3961053	GG	AA	1940375140
SNP_P1_123235_3968389	NC_021166.1	Ca_kabuli_chr07	3968389	TT	GG	1940375141
SNP_P1_123236_3973758	NC_021166.1	Ca_kabuli_chr07	3973758	AA	GG	1940375143
SNP_P1_123239_4012052	NC_021166.1	Ca_kabuli_chr07	4012052	AA	GG	1940375145
SNP_P1_123240_4012081	NC_021166.1	Ca_kabuli_chr07	4012081	GG	CC	1940375147
SNP_P1_123243_4029859	NC_021166.1	Ca_kabuli_chr07	4029859	TT	CC	1940375148
SNP_P1_123244_4041976	NC_021166.1	Ca_kabuli_chr07	4041976	TT	CC	1940375150
SNP_P1_123245_4050024	NC_021166.1	Ca_kabuli_chr07	4050024	GG	CC	1940375152
SNP_P1_123246_4063723	NC_021166.1	Ca_kabuli_chr07	4063723	GG	AA	1940375154
SNP_P1_123247_4083949	NC_021166.1	Ca_kabuli_chr07	4083949	AA	GG	1940375155
SNP_P1_123248_4084518	NC_021166.1	Ca_kabuli_chr07	4084518	AA	TT	1940375157
SNP_P1_123249_4091585	NC_021166.1	Ca_kabuli_chr07	4091585	TT	CC	1940375159
SNP_P1_123250_4091596	NC_021166.1	Ca_kabuli_chr07	4091596	AA	GG	1940375161
SNP_P1_123251_4091917	NC_021166.1	Ca_kabuli_chr07	4091917	TT	CC	1940375163
SNP_P1_123252_4091955	NC_021166.1	Ca_kabuli_chr07	4091955	TT	CC	1940375165
SNP_P1_123253_4092019	NC_021166.1	Ca_kabuli_chr07	4092019	AA	GG	1940375167
SNP_P1_123254_4092122	NC_021166.1	Ca_kabuli_chr07	4092122	GG	CC	1940375169
SNP_P1_123255_4092146	NC_021166.1	Ca_kabuli_chr07	4092146	AA	CC	1940375170
SNP_P1_123256_4092375	NC_021166.1	Ca_kabuli_chr07	4092375	CC	TT	1940375172
SNP_P1_123257_4093581	NC_021166.1	Ca_kabuli_chr07	4093581	TT	CC	1940375174
SNP_P1_123258_4108791	NC_021166.1	Ca_kabuli_chr07	4108791	TT	AA	1940375176
SNP_P1_123259_4108794	NC_021166.1	Ca_kabuli_chr07	4108794	TT	AA	1940375177
SNP_P1_123261_4118850	NC_021166.1	Ca_kabuli_chr07	4118850	CC	TT	1940375179
SNP_P1_123262_4127083	NC_021166.1	Ca_kabuli_chr07	4127083	AA	TT	1940375181
SNP_P1_123263_4127210	NC_021166.1	Ca_kabuli_chr07	4127210	CC	TT	1940375183
SNP_P1_123264_4152313	NC_021166.1	Ca_kabuli_chr07	4152313	AA	GG	1940375185
SNP_P1_123265_4152315	NC_021166.1	Ca_kabuli_chr07	4152315	GG	AA	1940375186
SNP_P1_123266_4152318	NC_021166.1	Ca_kabuli_chr07	4152318	CC	AA	1940375188
SNP_P1_123267_4162136	NC_021166.1	Ca_kabuli_chr07	4162136	TT	CC	1940375190
SNP_P1_123268_4216857	NC_021166.1	Ca_kabuli_chr07	4216857	TT	CC	1940375192
SNP_P1_123269_4228743	NC_021166.1	Ca_kabuli_chr07	4228743	AA	GG	1940375194
SNP_P1_123270_4229514	NC_021166.1	Ca_kabuli_chr07	4229514	GG	CC	1940375195
SNP_P1_123273_4246383	NC_021166.1	Ca_kabuli_chr07	4246383	AA	GG	1940375197
SNP_P1_123274_4258284	NC_021166.1	Ca_kabuli_chr07	4258284	GG	CC	1940375199
SNP_P1_123275_4258809	NC_021166.1	Ca_kabuli_chr07	4258809	TT	AA	1940375201
SNP_P1_123277_4262537	NC_021166.1	Ca_kabuli_chr07	4262537	AA	GG	1940375202
SNP_P1_123278_4268596	NC_021166.1	Ca_kabuli_chr07	4268596	GG	AA	1940375204
SNP_P1_123279_4314479	NC_021166.1	Ca_kabuli_chr07	4314479	TT	AA	1940375206
SNP_P1_123280_4314483	NC_021166.1	Ca_kabuli_chr07	4314483	AA	GG	1940375208
SNP_P1_123282_4329165	NC_021166.1	Ca_kabuli_chr07	4329165	AA	TT	1940375209
SNP_P1_123286_4365694	NC_021166.1	Ca_kabuli_chr07	4365694	AA	TT	1940375211

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123290_4380185	NC_021166.1	Ca_kabuli_chr07	4380185	AA	TT	1940375215
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SNP_P1_123293_4405158	NC_021166.1	Ca_kabuli_chr07	4405158	TT	AA	1940375218
SNP_P1_123294_4407746	NC_021166.1	Ca_kabuli_chr07	4407746	CC	AA	1940375220
SNP_P1_123295_4412820	NC_021166.1	Ca_kabuli_chr07	4412820	CC	TT	1940375222
SNP_P1_123296_4412829	NC_021166.1	Ca_kabuli_chr07	4412829	GG	AA	1940375223
SNP_P1_123297_4412835	NC_021166.1	Ca_kabuli_chr07	4412835	TT	CC	1940375225
SNP_P1_123298_4412853	NC_021166.1	Ca_kabuli_chr07	4412853	AA	GG	1940375227
SNP_P1_123299_4413703	NC_021166.1	Ca_kabuli_chr07	4413703	AA	GG	1940375229
SNP_P1_123300_4417809	NC_021166.1	Ca_kabuli_chr07	4417809	AA	GG	1940375230
SNP_P1_123301_4417815	NC_021166.1	Ca_kabuli_chr07	4417815	CC	GG	1940375232
SNP_P1_123302_4417819	NC_021166.1	Ca_kabuli_chr07	4417819	AA	GG	1940375234
SNP_P1_123303_4417932	NC_021166.1	Ca_kabuli_chr07	4417932	GG	CC	1940375236
SNP_P1_123304_4417940	NC_021166.1	Ca_kabuli_chr07	4417940	CC	TT	1940375237
SNP_P1_123305_4418072	NC_021166.1	Ca_kabuli_chr07	4418072	AA	GG	1940375239
SNP_P1_123306_4418083	NC_021166.1	Ca_kabuli_chr07	4418083	TT	AA	1940375241
SNP_P1_123307_4418090	NC_021166.1	Ca_kabuli_chr07	4418090	AA	GG	1940375243
SNP_P1_123308_4418103	NC_021166.1	Ca_kabuli_chr07	4418103	AA	CC	1940375244
SNP_P1_123312_4445426	NC_021166.1	Ca_kabuli_chr07	4445426	TT	GG	1940375246
SNP_P1_123313_4445427	NC_021166.1	Ca_kabuli_chr07	4445427	TT	AA	1940375248
SNP_P1_123314_4450007	NC_021166.1	Ca_kabuli_chr07	4450007	GG	AA	1940375250
SNP_P1_123315_4450309	NC_021166.1	Ca_kabuli_chr07	4450309	GG	TT	1940375251
SNP_P1_123316_4452804	NC_021166.1	Ca_kabuli_chr07	4452804	GG	AA	1940375253
SNP_P1_123319_4487187	NC_021166.1	Ca_kabuli_chr07	4487187	AA	GG	1940375255
SNP_P1_123320_4534453	NC_021166.1	Ca_kabuli_chr07	4534453	CC	GG	1940375257
SNP_P1_123321_4537746	NC_021166.1	Ca_kabuli_chr07	4537746	GG	TT	1940375258
SNP_P1_123322_4547122	NC_021166.1	Ca_kabuli_chr07	4547122	AA	GG	1940375260
SNP_P1_123323_4547125	NC_021166.1	Ca_kabuli_chr07	4547125	TT	CC	1940375262
SNP_P1_123324_4550993	NC_021166.1	Ca_kabuli_chr07	4550993	AA	GG	1940375264
SNP_P1_123325_4552677	NC_021166.1	Ca_kabuli_chr07	4552677	GG	AA	1940375265
SNP_P1_123326_4552684	NC_021166.1	Ca_kabuli_chr07	4552684	AA	GG	1940375267
SNP_P1_123327_4552705	NC_021166.1	Ca_kabuli_chr07	4552705	AA	GG	1940375269
SNP_P1_123328_4552783	NC_021166.1	Ca_kabuli_chr07	4552783	TT	CC	1940375271
SNP_P1_123329_4552813	NC_021166.1	Ca_kabuli_chr07	4552813	AA	TT	1940375272
SNP_P1_123330_4552834	NC_021166.1	Ca_kabuli_chr07	4552834	TT	CC	1940375274
SNP_P1_123331_4552892	NC_021166.1	Ca_kabuli_chr07	4552892	AA	GG	1940375275
SNP_P1_123332_4552911	NC_021166.1	Ca_kabuli_chr07	4552911	CC	TT	1940375277
SNP_P1_123333_4552925	NC_021166.1	Ca_kabuli_chr07	4552925	GG	TT	1940375279
SNP_P1_123334_4561759	NC_021166.1	Ca_kabuli_chr07	4561759	GG	TT	1940375281
SNP_P1_123336_4583811	NC_021166.1	Ca_kabuli_chr07	4583811	GG	AA	1940375283
SNP_P1_123337_4592963	NC_021166.1	Ca_kabuli_chr07	4592963	TT	CC	1940375284

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123340_4608161	NC_021166.1	Ca_kabuli_chr07	4608161	TT	AA	1940375288
SNP_P1_123341_4608162	NC_021166.1	Ca_kabuli_chr07	4608162	TT	GG	1940375290
SNP_P1_123342_4623467	NC_021166.1	Ca_kabuli_chr07	4623467	AA	CC	1940375291
SNP_P1_123343_4629363	NC_021166.1	Ca_kabuli_chr07	4629363	GG	AA	1940375293
SNP_P1_123344_4646043	NC_021166.1	Ca_kabuli_chr07	4646043	TT	CC	1940375295
SNP_P1_123345_4647809	NC_021166.1	Ca_kabuli_chr07	4647809	AA	GG	1940375297
SNP_P1_123346_4660745	NC_021166.1	Ca_kabuli_chr07	4660745	AA	GG	1940375298
SNP_P1_123347_4661365	NC_021166.1	Ca_kabuli_chr07	4661365	CC	TT	1940375300
SNP_P1_123350_4664419	NC_021166.1	Ca_kabuli_chr07	4664419	TT	AA	1940375302
SNP_P1_123352_4670931	NC_021166.1	Ca_kabuli_chr07	4670931	CC	TT	1940375304
SNP_P1_123354_4710476	NC_021166.1	Ca_kabuli_chr07	4710476	AA	GG	1940375305
SNP_P1_123355_4711870	NC_021166.1	Ca_kabuli_chr07	4711870	AA	GG	1940375307
SNP_P1_123357_4764441	NC_021166.1	Ca_kabuli_chr07	4764441	CC	TT	1940375309
SNP_P1_123359_4792172	NC_021166.1	Ca_kabuli_chr07	4792172	AA	GG	1940375311
SNP_P1_123360_4805012	NC_021166.1	Ca_kabuli_chr07	4805012	CC	TT	1940375312
SNP_P1_123362_4823263	NC_021166.1	Ca_kabuli_chr07	4823263	AA	GG	1940375314
SNP_P1_123363_4824547	NC_021166.1	Ca_kabuli_chr07	4824547	TT	CC	1940375316
SNP_P1_123364_4839430	NC_021166.1	Ca_kabuli_chr07	4839430	CC	GG	1940375318
SNP_P1_123365_4858230	NC_021166.1	Ca_kabuli_chr07	4858230	GG	AA	1940375320
SNP_P1_123366_4858285	NC_021166.1	Ca_kabuli_chr07	4858285	GG	AA	1940375321
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SNP_P1_123369_4886992	NC_021166.1	Ca_kabuli_chr07	4886992	GG	AA	1940375325
SNP_P1_123370_4890711	NC_021166.1	Ca_kabuli_chr07	4890711	TT	AA	1940375326
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SNP_P1_123372_4915802	NC_021166.1	Ca_kabuli_chr07	4915802	AA	TT	1940375330
SNP_P1_123373_4918957	NC_021166.1	Ca_kabuli_chr07	4918957	GG	AA	1940375332
SNP_P1_123374_4921000	NC_021166.1	Ca_kabuli_chr07	4921000	TT	GG	1940375334
SNP_P1_123375_4925338	NC_021166.1	Ca_kabuli_chr07	4925338	TT	CC	1940375335
SNP_P1_123377_4928825	NC_021166.1	Ca_kabuli_chr07	4928825	AA	GG	1940375337
SNP_P1_123378_4928854	NC_021166.1	Ca_kabuli_chr07	4928854	CC	AA	1940375339
SNP_P1_123379_4933630	NC_021166.1	Ca_kabuli_chr07	4933630	AA	TT	1940375341
SNP_P1_123380_4933631	NC_021166.1	Ca_kabuli_chr07	4933631	CC	GG	1940375342
SNP_P1_123381_4935859	NC_021166.1	Ca_kabuli_chr07	4935859	AA	GG	1940375344
SNP_P1_123382_4936586	NC_021166.1	Ca_kabuli_chr07	4936586	CC	GG	1940375346
SNP_P1_123384_4969154	NC_021166.1	Ca_kabuli_chr07	4969154	GG	AA	1940375348
SNP_P1_123385_4969265	NC_021166.1	Ca_kabuli_chr07	4969265	CC	AA	1940375349
SNP_P1_123386_4969274	NC_021166.1	Ca_kabuli_chr07	4969274	TT	GG	1940375351
SNP_P1_123387_4970009	NC_021166.1	Ca_kabuli_chr07	4970009	AA	TT	1940375353
SNP_P1_123388_4970231	NC_021166.1	Ca_kabuli_chr07	4970231	GG	AA	1940375355
SNP_P1_123389_4973257	NC_021166.1	Ca_kabuli_chr07	4973257	GG	CC	1940375356
SNP_P1_123390_4973270	NC_021166.1	Ca_kabuli_chr07	4973270	GG	AA	1940375358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_123391_4974115	NC_021166.1	Ca_kabuli_chr07	4974115	GG	AA	1940375360
SNP_P1_123392_4975365	NC_021166.1	Ca_kabuli_chr07	4975365	AA	GG	1940375362
SNP_P1_123393_4975425	NC_021166.1	Ca_kabuli_chr07	4975425	AA	CC	1940375364
SNP_P1_123395_4976008	NC_021166.1	Ca_kabuli_chr07	4976008	CC	TT	1940375365
SNP_P1_123397_4978618	NC_021166.1	Ca_kabuli_chr07	4978618	CC	AA	1940375367
SNP_P1_123398_4983531	NC_021166.1	Ca_kabuli_chr07	4983531	AA	TT	1940375369
SNP_P1_123400_4983630	NC_021166.1	Ca_kabuli_chr07	4983630	CC	AA	1940375371
SNP_P1_123401_4984193	NC_021166.1	Ca_kabuli_chr07	4984193	AA	GG	1940375372
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SNP_P1_123403_4999601	NC_021166.1	Ca_kabuli_chr07	4999601	CC	AA	1940375376
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SNP_P1_123409_5010658	NC_021166.1	Ca_kabuli_chr07	5010658	GG	TT	1940375385
SNP_P1_123410_5010936	NC_021166.1	Ca_kabuli_chr07	5010936	TT	GG	1940375386
SNP_P1_123411_5011189	NC_021166.1	Ca_kabuli_chr07	5011189	TT	CC	1940375388
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SNP_P1_123414_5016588	NC_021166.1	Ca_kabuli_chr07	5016588	GG	AA	1940375392
SNP_P1_123416_5021173	NC_021166.1	Ca_kabuli_chr07	5021173	AA	GG	1940375393
SNP_P1_123417_5021534	NC_021166.1	Ca_kabuli_chr07	5021534	AA	GG	1940375395
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SNP_P1_123423_5027046	NC_021166.1	Ca_kabuli_chr07	5027046	CC	TT	1940375402
SNP_P1_123424_5028892	NC_021166.1	Ca_kabuli_chr07	5028892	TT	AA	1940375403
SNP_P1_123426_5031310	NC_021166.1	Ca_kabuli_chr07	5031310	CC	AA	1940375405
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SNP_P1_123428_5032583	NC_021166.1	Ca_kabuli_chr07	5032583	GG	CC	1940375409
SNP_P1_123429_5033033	NC_021166.1	Ca_kabuli_chr07	5033033	GG	AA	1940375410
SNP_P1_123431_5034011	NC_021166.1	Ca_kabuli_chr07	5034011	CC	TT	1940375412
SNP_P1_123433_5035434	NC_021166.1	Ca_kabuli_chr07	5035434	AA	GG	1940375414
SNP_P1_123434_5039409	NC_021166.1	Ca_kabuli_chr07	5039409	AA	TT	1940375416
SNP_P1_123436_5040460	NC_021166.1	Ca_kabuli_chr07	5040460	AA	GG	1940375417
SNP_P1_123437_5040534	NC_021166.1	Ca_kabuli_chr07	5040534	CC	TT	1940375419
SNP_P1_123438_5047064	NC_021166.1	Ca_kabuli_chr07	5047064	TT	CC	1940375421
SNP_P1_123439_5047101	NC_021166.1	Ca_kabuli_chr07	5047101	AA	GG	1940375423
SNP_P1_123440_5047998	NC_021166.1	Ca_kabuli_chr07	5047998	CC	AA	1940375424
SNP_P1_123441_5048266	NC_021166.1	Ca_kabuli_chr07	5048266	AA	CC	1940375426
SNP_P1_123442_5048461	NC_021166.1	Ca_kabuli_chr07	5048461	TT	GG	1940375428
SNP_P1_123443_5049607	NC_021166.1	Ca_kabuli_chr07	5049607	TT	AA	1940375430
SNP_P1_123444_5051204	NC_021166.1	Ca_kabuli_chr07	5051204	AA	GG	1940375431

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123447_5053068	NC_021166.1	Ca_kabuli_chr07	5053068	CC	AA	1940375435
SNP_P1_123448_5053392	NC_021166.1	Ca_kabuli_chr07	5053392	TT	CC	1940375437
SNP_P1_123449_5053564	NC_021166.1	Ca_kabuli_chr07	5053564	TT	CC	1940375438
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SNP_P1_123451_5069569	NC_021166.1	Ca_kabuli_chr07	5069569	TT	AA	1940375442
SNP_P1_123452_5072130	NC_021166.1	Ca_kabuli_chr07	5072130	TT	CC	1940375444
SNP_P1_123453_5072809	NC_021166.1	Ca_kabuli_chr07	5072809	TT	GG	1940375445
SNP_P1_123454_5072971	NC_021166.1	Ca_kabuli_chr07	5072971	TT	CC	1940375447
SNP_P1_123455_5073126	NC_021166.1	Ca_kabuli_chr07	5073126	AA	CC	1940375449
SNP_P1_123456_5075893	NC_021166.1	Ca_kabuli_chr07	5075893	GG	AA	1940375451
SNP_P1_123457_5076962	NC_021166.1	Ca_kabuli_chr07	5076962	AA	GG	1940375452
SNP_P1_123459_5082445	NC_021166.1	Ca_kabuli_chr07	5082445	CC	TT	1940375454
SNP_P1_123460_5087730	NC_021166.1	Ca_kabuli_chr07	5087730	TT	AA	1940375456
SNP_P1_123461_5088374	NC_021166.1	Ca_kabuli_chr07	5088374	GG	AA	1940375458
SNP_P1_123463_5091918	NC_021166.1	Ca_kabuli_chr07	5091918	TT	CC	1940375459
SNP_P1_123464_5093248	NC_021166.1	Ca_kabuli_chr07	5093248	AA	GG	1940375461
SNP_P1_123465_5093714	NC_021166.1	Ca_kabuli_chr07	5093714	TT	CC	1940375463
SNP_P1_123466_5095459	NC_021166.1	Ca_kabuli_chr07	5095459	CC	TT	1940375465
SNP_P1_123467_5095628	NC_021166.1	Ca_kabuli_chr07	5095628	CC	TT	1940375467
SNP_P1_123468_5099280	NC_021166.1	Ca_kabuli_chr07	5099280	AA	GG	1940375468
SNP_P1_123470_5104419	NC_021166.1	Ca_kabuli_chr07	5104419	TT	CC	1940375470
SNP_P1_123471_5104853	NC_021166.1	Ca_kabuli_chr07	5104853	AA	GG	1940375472
SNP_P1_123472_5106353	NC_021166.1	Ca_kabuli_chr07	5106353	CC	GG	1940375474
SNP_P1_123473_5108478	NC_021166.1	Ca_kabuli_chr07	5108478	AA	GG	1940375475
SNP_P1_123474_5109671	NC_021166.1	Ca_kabuli_chr07	5109671	GG	AA	1940375477
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SNP_P1_123476_5121743	NC_021166.1	Ca_kabuli_chr07	5121743	GG	CC	1940375481
SNP_P1_123477_5125775	NC_021166.1	Ca_kabuli_chr07	5125775	AA	GG	1940375483
SNP_P1_123478_5127699	NC_021166.1	Ca_kabuli_chr07	5127699	GG	AA	1940375484
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SNP_P1_123480_5132923	NC_021166.1	Ca_kabuli_chr07	5132923	CC	AA	1940375488
SNP_P1_123482_5140331	NC_021166.1	Ca_kabuli_chr07	5140331	CC	TT	1940375490
SNP_P1_123484_5141652	NC_021166.1	Ca_kabuli_chr07	5141652	CC	TT	1940375491
SNP_P1_123485_5143656	NC_021166.1	Ca_kabuli_chr07	5143656	CC	TT	1940375493
SNP_P1_123486_5143714	NC_021166.1	Ca_kabuli_chr07	5143714	CC	AA	1940375495
SNP_P1_123487_5145257	NC_021166.1	Ca_kabuli_chr07	5145257	AA	GG	1940375497
SNP_P1_123488_5145803	NC_021166.1	Ca_kabuli_chr07	5145803	GG	TT	1940375498
SNP_P1_123489_5147203	NC_021166.1	Ca_kabuli_chr07	5147203	GG	TT	1940375500
SNP_P1_123490_5151396	NC_021166.1	Ca_kabuli_chr07	5151396	GG	CC	1940375502
SNP_P1_123491_5153457	NC_021166.1	Ca_kabuli_chr07	5153457	CC	TT	1940375503
SNP_P1_123492_5156380	NC_021166.1	Ca_kabuli_chr07	5156380	TT	CC	1940375505

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123496_5157436	NC_021166.1	Ca_kabuli_chr07	5157436	AA	CC	1940375510
SNP_P1_123497_5166823	NC_021166.1	Ca_kabuli_chr07	5166823	CC	GG	1940375512
SNP_P1_123499_5166974	NC_021166.1	Ca_kabuli_chr07	5166974	GG	AA	1940375514
SNP_P1_123500_5167367	NC_021166.1	Ca_kabuli_chr07	5167367	AA	GG	1940375516
SNP_P1_123501_5174279	NC_021166.1	Ca_kabuli_chr07	5174279	AA	TT	1940375517
SNP_P1_123502_5175781	NC_021166.1	Ca_kabuli_chr07	5175781	GG	CC	1940375519
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SNP_P1_123504_5177097	NC_021166.1	Ca_kabuli_chr07	5177097	CC	TT	1940375523
SNP_P1_123505_5178127	NC_021166.1	Ca_kabuli_chr07	5178127	GG	AA	1940375524
SNP_P1_123506_5178560	NC_021166.1	Ca_kabuli_chr07	5178560	GG	CC	1940375526
SNP_P1_123508_5179500	NC_021166.1	Ca_kabuli_chr07	5179500	GG	AA	1940375528
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SNP_P1_123510_5180572	NC_021166.1	Ca_kabuli_chr07	5180572	AA	TT	1940375531
SNP_P1_123512_5181285	NC_021166.1	Ca_kabuli_chr07	5181285	GG	AA	1940375533
SNP_P1_123513_5181458	NC_021166.1	Ca_kabuli_chr07	5181458	CC	TT	1940375535
SNP_P1_123514_5181615	NC_021166.1	Ca_kabuli_chr07	5181615	CC	TT	1940375537
SNP_P1_123515_5185109	NC_021166.1	Ca_kabuli_chr07	5185109	GG	TT	1940375538
SNP_P1_123516_5185173	NC_021166.1	Ca_kabuli_chr07	5185173	TT	CC	1940375540
SNP_P1_123517_5185265	NC_021166.1	Ca_kabuli_chr07	5185265	CC	TT	1940375542
SNP_P1_123518_5186106	NC_021166.1	Ca_kabuli_chr07	5186106	GG	AA	1940375544
SNP_P1_123519_5186436	NC_021166.1	Ca_kabuli_chr07	5186436	AA	GG	1940375545
SNP_P1_123520_5189856	NC_021166.1	Ca_kabuli_chr07	5189856	GG	AA	1940375547
SNP_P1_123521_5190061	NC_021166.1	Ca_kabuli_chr07	5190061	CC	TT	1940375549
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SNP_P1_123524_5193465	NC_021166.1	Ca_kabuli_chr07	5193465	AA	CC	1940375554
SNP_P1_123525_5193472	NC_021166.1	Ca_kabuli_chr07	5193472	AA	CC	1940375556
SNP_P1_123526_5193491	NC_021166.1	Ca_kabuli_chr07	5193491	TT	AA	1940375558
SNP_P1_123527_5193498	NC_021166.1	Ca_kabuli_chr07	5193498	AA	GG	1940375559
SNP_P1_123528_5193508	NC_021166.1	Ca_kabuli_chr07	5193508	AA	GG	1940375561
SNP_P1_123529_5193533	NC_021166.1	Ca_kabuli_chr07	5193533	CC	TT	1940375563
SNP_P1_123530_5193570	NC_021166.1	Ca_kabuli_chr07	5193570	AA	GG	1940375565
SNP_P1_123531_5193713	NC_021166.1	Ca_kabuli_chr07	5193713	CC	TT	1940375567
SNP_P1_123532_5193729	NC_021166.1	Ca_kabuli_chr07	5193729	GG	AA	1940375568
SNP_P1_123533_5193772	NC_021166.1	Ca_kabuli_chr07	5193772	AA	TT	1940375570
SNP_P1_123534_5193776	NC_021166.1	Ca_kabuli_chr07	5193776	AA	CC	1940375572
SNP_P1_123535_5193781	NC_021166.1	Ca_kabuli_chr07	5193781	AA	TT	1940375574
SNP_P1_123536_5193785	NC_021166.1	Ca_kabuli_chr07	5193785	AA	CC	1940375575
SNP_P1_123537_5193799	NC_021166.1	Ca_kabuli_chr07	5193799	GG	AA	1940375577
SNP_P1_123539_5198766	NC_021166.1	Ca_kabuli_chr07	5198766	TT	CC	1940375579

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123541_5201246	NC_021166.1	Ca_kabuli_chr07	5201246	GG	TT	1940375582
SNP_P1_123542_5201701	NC_021166.1	Ca_kabuli_chr07	5201701	AA	GG	1940375584
SNP_P1_123547_5262132	NC_021166.1	Ca_kabuli_chr07	5262132	TT	AA	1940375586
SNP_P1_123548_5264782	NC_021166.1	Ca_kabuli_chr07	5264782	AA	CC	1940375587
SNP_P1_123549_5265319	NC_021166.1	Ca_kabuli_chr07	5265319	GG	AA	1940375589
SNP_P1_123550_5270688	NC_021166.1	Ca_kabuli_chr07	5270688	TT	AA	1940375591
SNP_P1_123551_5275888	NC_021166.1	Ca_kabuli_chr07	5275888	CC	TT	1940375593
SNP_P1_123552_5284899	NC_021166.1	Ca_kabuli_chr07	5284899	TT	AA	1940375594
SNP_P1_123555_5297311	NC_021166.1	Ca_kabuli_chr07	5297311	TT	CC	1940375596
SNP_P1_123556_5297775	NC_021166.1	Ca_kabuli_chr07	5297775	GG	TT	1940375598
SNP_P1_123559_5367477	NC_021166.1	Ca_kabuli_chr07	5367477	TT	AA	1940375600
SNP_P1_123562_5374576	NC_021166.1	Ca_kabuli_chr07	5374576	TT	GG	1940375601
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SNP_P1_123564_5375166	NC_021166.1	Ca_kabuli_chr07	5375166	CC	TT	1940375605
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SNP_P1_123567_5377195	NC_021166.1	Ca_kabuli_chr07	5377195	CC	TT	1940375608
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SNP_P1_123572_5380060	NC_021166.1	Ca_kabuli_chr07	5380060	TT	CC	1940375615
SNP_P1_123573_5380165	NC_021166.1	Ca_kabuli_chr07	5380165	TT	GG	1940375617
SNP_P1_123575_5381231	NC_021166.1	Ca_kabuli_chr07	5381231	AA	TT	1940375619
SNP_P1_123576_5382063	NC_021166.1	Ca_kabuli_chr07	5382063	AA	GG	1940375621
SNP_P1_123577_5382693	NC_021166.1	Ca_kabuli_chr07	5382693	AA	GG	1940375622
SNP_P1_123578_5382696	NC_021166.1	Ca_kabuli_chr07	5382696	GG	CC	1940375624
SNP_P1_123579_5385287	NC_021166.1	Ca_kabuli_chr07	5385287	TT	AA	1940375626
SNP_P1_123580_5386620	NC_021166.1	Ca_kabuli_chr07	5386620	GG	AA	1940375628
SNP_P1_123581_5386725	NC_021166.1	Ca_kabuli_chr07	5386725	AA	GG	1940375629
SNP_P1_123582_5386912	NC_021166.1	Ca_kabuli_chr07	5386912	AA	CC	1940375631
SNP_P1_123583_5387084	NC_021166.1	Ca_kabuli_chr07	5387084	AA	GG	1940375633
SNP_P1_123584_5388242	NC_021166.1	Ca_kabuli_chr07	5388242	CC	GG	1940375635
SNP_P1_123585_5389887	NC_021166.1	Ca_kabuli_chr07	5389887	GG	AA	1940375637
SNP_P1_123586_5389894	NC_021166.1	Ca_kabuli_chr07	5389894	CC	AA	1940375638
SNP_P1_123587_5391042	NC_021166.1	Ca_kabuli_chr07	5391042	CC	TT	1940375640
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SNP_P1_123591_5391990	NC_021166.1	Ca_kabuli_chr07	5391990	TT	CC	1940375647
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SNP_P1_123593_5396571	NC_021166.1	Ca_kabuli_chr07	5396571	TT	CC	1940375651
SNP_P1_123594_5396574	NC_021166.1	Ca_kabuli_chr07	5396574	AA	GG	1940375652

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123599_5398592	NC_021166.1	Ca_kabuli_chr07	5398592	CC	TT	1940375658
SNP_P1_123604_5400234	NC_021166.1	Ca_kabuli_chr07	5400234	AA	GG	1940375659
SNP_P1_123605_5401162	NC_021166.1	Ca_kabuli_chr07	5401162	AA	TT	1940375661
SNP_P1_123606_5401342	NC_021166.1	Ca_kabuli_chr07	5401342	CC	TT	1940375663
SNP_P1_123608_5402247	NC_021166.1	Ca_kabuli_chr07	5402247	TT	AA	1940375665
SNP_P1_123610_5405293	NC_021166.1	Ca_kabuli_chr07	5405293	TT	AA	1940375666
SNP_P1_123611_5405356	NC_021166.1	Ca_kabuli_chr07	5405356	AA	CC	1940375668
SNP_P1_123615_5406082	NC_021166.1	Ca_kabuli_chr07	5406082	TT	CC	1940375670
SNP_P1_123616_5406083	NC_021166.1	Ca_kabuli_chr07	5406083	GG	AA	1940375671
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SNP_P1_123622_5406363	NC_021166.1	Ca_kabuli_chr07	5406363	TT	CC	1940375682
SNP_P1_123623_5406786	NC_021166.1	Ca_kabuli_chr07	5406786	AA	CC	1940375684
SNP_P1_123624_5406794	NC_021166.1	Ca_kabuli_chr07	5406794	CC	AA	1940375685
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SNP_P1_123638_5409017	NC_021166.1	Ca_kabuli_chr07	5409017	AA	TT	1940375708
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SNP_P1_123642_5409185	NC_021166.1	Ca_kabuli_chr07	5409185	AA	GG	1940375715
SNP_P1_123644_5410015	NC_021166.1	Ca_kabuli_chr07	5410015	GG	AA	1940375717
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SNP_P1_123646_5410091	NC_021166.1	Ca_kabuli_chr07	5410091	CC	AA	1940375720
SNP_P1_123647_5410115	NC_021166.1	Ca_kabuli_chr07	5410115	TT	CC	1940375722
SNP_P1_123648_5410316	NC_021166.1	Ca_kabuli_chr07	5410316	GG	AA	1940375724
SNP_P1_123649_5411467	NC_021166.1	Ca_kabuli_chr07	5411467	GG	CC	1940375726

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123653_5412082	NC_021166.1	Ca_kabuli_chr07	5412082	GG	AA	1940375732
SNP_P1_123654_5413551	NC_021166.1	Ca_kabuli_chr07	5413551	GG	AA	1940375734
SNP_P1_123655_5413619	NC_021166.1	Ca_kabuli_chr07	5413619	CC	AA	1940375736
SNP_P1_123656_5413623	NC_021166.1	Ca_kabuli_chr07	5413623	AA	TT	1940375738
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SNP_P1_123658_5413833	NC_021166.1	Ca_kabuli_chr07	5413833	AA	TT	1940375741
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SNP_P1_123660_5414593	NC_021166.1	Ca_kabuli_chr07	5414593	CC	AA	1940375745
SNP_P1_123661_5414627	NC_021166.1	Ca_kabuli_chr07	5414627	TT	CC	1940375747
SNP_P1_123662_5414630	NC_021166.1	Ca_kabuli_chr07	5414630	GG	AA	1940375748
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SNP_P1_123664_5415045	NC_021166.1	Ca_kabuli_chr07	5415045	AA	GG	1940375752
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SNP_P1_123666_5415211	NC_021166.1	Ca_kabuli_chr07	5415211	AA	GG	1940375755
SNP_P1_123667_5415539	NC_021166.1	Ca_kabuli_chr07	5415539	CC	TT	1940375757
SNP_P1_123668_5416144	NC_021166.1	Ca_kabuli_chr07	5416144	CC	TT	1940375759
SNP_P1_123669_5416187	NC_021166.1	Ca_kabuli_chr07	5416187	GG	AA	1940375760
SNP_P1_123670_5417414	NC_021166.1	Ca_kabuli_chr07	5417414	CC	TT	1940375762
SNP_P1_123671_5417421	NC_021166.1	Ca_kabuli_chr07	5417421	CC	TT	1940375764
SNP_P1_123672_5417427	NC_021166.1	Ca_kabuli_chr07	5417427	AA	GG	1940375766
SNP_P1_123673_5417428	NC_021166.1	Ca_kabuli_chr07	5417428	CC	AA	1940375767
SNP_P1_123674_5417495	NC_021166.1	Ca_kabuli_chr07	5417495	TT	CC	1940375769
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SNP_P1_123678_5417970	NC_021166.1	Ca_kabuli_chr07	5417970	CC	TT	1940375774
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SNP_P1_123681_5418117	NC_021166.1	Ca_kabuli_chr07	5418117	TT	CC	1940375778
SNP_P1_123682_5419203	NC_021166.1	Ca_kabuli_chr07	5419203	AA	TT	1940375780
SNP_P1_123683_5419273	NC_021166.1	Ca_kabuli_chr07	5419273	GG	AA	1940375781
SNP_P1_123685_5419542	NC_021166.1	Ca_kabuli_chr07	5419542	AA	TT	1940375783
SNP_P1_123686_5419811	NC_021166.1	Ca_kabuli_chr07	5419811	CC	TT	1940375785
SNP_P1_123687_5419844	NC_021166.1	Ca_kabuli_chr07	5419844	AA	CC	1940375787
SNP_P1_123688_5421847	NC_021166.1	Ca_kabuli_chr07	5421847	AA	CC	1940375788
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SNP_P1_123690_5421966	NC_021166.1	Ca_kabuli_chr07	5421966	CC	AA	1940375792
SNP_P1_123691_5422497	NC_021166.1	Ca_kabuli_chr07	5422497	AA	TT	1940375794
SNP_P1_123692_5423389	NC_021166.1	Ca_kabuli_chr07	5423389	GG	AA	1940375795
SNP_P1_123693_5423952	NC_021166.1	Ca_kabuli_chr07	5423952	AA	GG	1940375797
SNP_P1_123694_5423958	NC_021166.1	Ca_kabuli_chr07	5423958	CC	AA	1940375799

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123698_5426548	NC_021166.1	Ca_kabuli_chr07	5426548	AA	TT	1940375802
SNP_P1_123700_5428123	NC_021166.1	Ca_kabuli_chr07	5428123	GG	TT	1940375804
SNP_P1_123701_5429350	NC_021166.1	Ca_kabuli_chr07	5429350	AA	GG	1940375806
SNP_P1_123703_5429443	NC_021166.1	Ca_kabuli_chr07	5429443	CC	GG	1940375808
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SNP_P1_123705_5429624	NC_021166.1	Ca_kabuli_chr07	5429624	GG	AA	1940375811
SNP_P1_123706_5429626	NC_021166.1	Ca_kabuli_chr07	5429626	AA	GG	1940375813
SNP_P1_123707_5429709	NC_021166.1	Ca_kabuli_chr07	5429709	CC	TT	1940375815
SNP_P1_123709_5429912	NC_021166.1	Ca_kabuli_chr07	5429912	TT	CC	1940375816
SNP_P1_123711_5433911	NC_021166.1	Ca_kabuli_chr07	5433911	CC	TT	1940375818
SNP_P1_123712_5433936	NC_021166.1	Ca_kabuli_chr07	5433936	AA	GG	1940375820
SNP_P1_123714_5434164	NC_021166.1	Ca_kabuli_chr07	5434164	AA	TT	1940375822
SNP_P1_123716_5434598	NC_021166.1	Ca_kabuli_chr07	5434598	AA	CC	1940375823
SNP_P1_123718_5434764	NC_021166.1	Ca_kabuli_chr07	5434764	CC	TT	1940375825
SNP_P1_123720_5434838	NC_021166.1	Ca_kabuli_chr07	5434838	AA	GG	1940375827
SNP_P1_123721_5434876	NC_021166.1	Ca_kabuli_chr07	5434876	GG	TT	1940375829
SNP_P1_123722_5434881	NC_021166.1	Ca_kabuli_chr07	5434881	CC	AA	1940375830
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SNP_P1_123747_5437937	NC_021166.1	Ca_kabuli_chr07	5437937	CC	TT	1940375862
SNP_P1_123748_5438232	NC_021166.1	Ca_kabuli_chr07	5438232	AA	GG	1940375864
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SNP_P1_123751_5441716	NC_021166.1	Ca_kabuli_chr07	5441716	TT	CC	1940375869
SNP_P1_123752_5441770	NC_021166.1	Ca_kabuli_chr07	5441770	CC	AA	1940375871
SNP_P1_123753_5442365	NC_021166.1	Ca_kabuli_chr07	5442365	CC	TT	1940375873

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123757_5443854	NC_021166.1	Ca_kabuli_chr07	5443854	CC	AA	1940375878
SNP_P1_123759_5444652	NC_021166.1	Ca_kabuli_chr07	5444652	GG	CC	1940375880
SNP_P1_123760_5445027	NC_021166.1	Ca_kabuli_chr07	5445027	GG	AA	1940375881
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SNP_P1_123762_5445096	NC_021166.1	Ca_kabuli_chr07	5445096	CC	AA	1940375885
SNP_P1_123763_5445150	NC_021166.1	Ca_kabuli_chr07	5445150	TT	CC	1940375887
SNP_P1_123764_5445151	NC_021166.1	Ca_kabuli_chr07	5445151	AA	GG	1940375888
SNP_P1_123765_5445326	NC_021166.1	Ca_kabuli_chr07	5445326	TT	AA	1940375890
SNP_P1_123766_5445438	NC_021166.1	Ca_kabuli_chr07	5445438	TT	GG	1940375892
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SNP_P1_123769_5445471	NC_021166.1	Ca_kabuli_chr07	5445471	AA	GG	1940375895
SNP_P1_123770_5445482	NC_021166.1	Ca_kabuli_chr07	5445482	AA	GG	1940375897
SNP_P1_123771_5445499	NC_021166.1	Ca_kabuli_chr07	5445499	AA	GG	1940375899
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SNP_P1_123777_5446140	NC_021166.1	Ca_kabuli_chr07	5446140	AA	CC	1940375906
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SNP_P1_123782_5451528	NC_021166.1	Ca_kabuli_chr07	5451528	CC	TT	1940375913
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SNP_P1_123787_5455565	NC_021166.1	Ca_kabuli_chr07	5455565	AA	GG	1940375922
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SNP_P1_123791_5457516	NC_021166.1	Ca_kabuli_chr07	5457516	CC	AA	1940375925
SNP_P1_123792_5458787	NC_021166.1	Ca_kabuli_chr07	5458787	TT	CC	1940375927
SNP_P1_123793_5459145	NC_021166.1	Ca_kabuli_chr07	5459145	CC	AA	1940375929
SNP_P1_123796_5461407	NC_021166.1	Ca_kabuli_chr07	5461407	GG	AA	1940375930
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SNP_P1_123799_5461521	NC_021166.1	Ca_kabuli_chr07	5461521	GG	CC	1940375934
SNP_P1_123800_5461530	NC_021166.1	Ca_kabuli_chr07	5461530	GG	CC	1940375936
SNP_P1_123802_5463069	NC_021166.1	Ca_kabuli_chr07	5463069	CC	TT	1940375937
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SNP_P1_123804_5464592	NC_021166.1	Ca_kabuli_chr07	5464592	CC	TT	1940375941
SNP_P1_123805_5464606	NC_021166.1	Ca_kabuli_chr07	5464606	CC	TT	1940375943
SNP_P1_123806_5464607	NC_021166.1	Ca_kabuli_chr07	5464607	CC	AA	1940375944
SNP_P1_123807_5464608	NC_021166.1	Ca_kabuli_chr07	5464608	GG	AA	1940375946

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123811_5465825	NC_021166.1	Ca_kabuli_chr07	5465825	CC	TT	1940375950
SNP_P1_123812_5465912	NC_021166.1	Ca_kabuli_chr07	5465912	GG	TT	1940375951
SNP_P1_123814_5466665	NC_021166.1	Ca_kabuli_chr07	5466665	AA	CC	1940375953
SNP_P1_123815_5466964	NC_021166.1	Ca_kabuli_chr07	5466964	GG	AA	1940375955
SNP_P1_123816_5467860	NC_021166.1	Ca_kabuli_chr07	5467860	AA	GG	1940375957
SNP_P1_123817_5468089	NC_021166.1	Ca_kabuli_chr07	5468089	CC	GG	1940375958
SNP_P1_123818_5469270	NC_021166.1	Ca_kabuli_chr07	5469270	CC	TT	1940375960
SNP_P1_123819_5469677	NC_021166.1	Ca_kabuli_chr07	5469677	TT	CC	1940375962
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SNP_P1_123822_5469954	NC_021166.1	Ca_kabuli_chr07	5469954	TT	AA	1940375965
SNP_P1_123825_5473856	NC_021166.1	Ca_kabuli_chr07	5473856	CC	TT	1940375967
SNP_P1_123826_5474206	NC_021166.1	Ca_kabuli_chr07	5474206	CC	GG	1940375969
SNP_P1_123827_5474255	NC_021166.1	Ca_kabuli_chr07	5474255	TT	CC	1940375970
SNP_P1_123828_5474583	NC_021166.1	Ca_kabuli_chr07	5474583	GG	AA	1940375972
SNP_P1_123829_5474633	NC_021166.1	Ca_kabuli_chr07	5474633	CC	AA	1940375974
SNP_P1_123830_5475277	NC_021166.1	Ca_kabuli_chr07	5475277	CC	GG	1940375976
SNP_P1_123831_5478326	NC_021166.1	Ca_kabuli_chr07	5478326	CC	TT	1940375977
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SNP_P1_123846_5482077	NC_021166.1	Ca_kabuli_chr07	5482077	TT	CC	1940376000
SNP_P1_123847_5482290	NC_021166.1	Ca_kabuli_chr07	5482290	GG	TT	1940376002
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SNP_P1_123849_5482597	NC_021166.1	Ca_kabuli_chr07	5482597	GG	AA	1940376006
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SNP_P1_123854_5482950	NC_021166.1	Ca_kabuli_chr07	5482950	AA	TT	1940376011
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SNP_P1_123857_5483550	NC_021166.1	Ca_kabuli_chr07	5483550	TT	GG	1940376016
SNP_P1_123858_5483563	NC_021166.1	Ca_kabuli_chr07	5483563	TT	CC	1940376018
SNP_P1_123859_5483752	NC_021166.1	Ca_kabuli_chr07	5483752	GG	AA	1940376020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_123861_5484096	NC_021166.1	Ca_kabuli_chr07	5484096	TT	CC	1940376023
SNP_P1_123862_5484100	NC_021166.1	Ca_kabuli_chr07	5484100	AA	GG	1940376025
SNP_P1_123863_5484341	NC_021166.1	Ca_kabuli_chr07	5484341	TT	GG	1940376027
SNP_P1_123865_5484401	NC_021166.1	Ca_kabuli_chr07	5484401	CC	TT	1940376028
SNP_P1_123866_5485502	NC_021166.1	Ca_kabuli_chr07	5485502	GG	AA	1940376030
SNP_P1_123867_5486240	NC_021166.1	Ca_kabuli_chr07	5486240	CC	TT	1940376032
SNP_P1_123868_5488484	NC_021166.1	Ca_kabuli_chr07	5488484	GG	AA	1940376034
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SNP_P1_123878_5494405	NC_021166.1	Ca_kabuli_chr07	5494405	AA	TT	1940376048
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SNP_P1_123901_5518253	NC_021166.1	Ca_kabuli_chr07	5518253	AA	GG	1940376081
SNP_P1_123902_5518259	NC_021166.1	Ca_kabuli_chr07	5518259	CC	TT	1940376082
SNP_P1_123904_5518448	NC_021166.1	Ca_kabuli_chr07	5518448	AA	GG	1940376084
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SNP_P1_123906_5522759	NC_021166.1	Ca_kabuli_chr07	5522759	TT	AA	1940376088
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SNP_P1_123908_5523238	NC_021166.1	Ca_kabuli_chr07	5523238	AA	GG	1940376091
SNP_P1_123909_5523812	NC_021166.1	Ca_kabuli_chr07	5523812	AA	CC	1940376093

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_123911_5524559	NC_021166.1	Ca_kabuli_chr07	5524559	GG	TT	1940376095
SNP_P1_123913_5525063	NC_021166.1	Ca_kabuli_chr07	5525063	GG	AA	1940376096
SNP_P1_123915_5525097	NC_021166.1	Ca_kabuli_chr07	5525097	TT	CC	1940376098
SNP_P1_123918_5526242	NC_021166.1	Ca_kabuli_chr07	5526242	GG	AA	1940376100
SNP_P1_123919_5527088	NC_021166.1	Ca_kabuli_chr07	5527088	TT	CC	1940376102
SNP_P1_123920_5529339	NC_021166.1	Ca_kabuli_chr07	5529339	AA	TT	1940376103
SNP_P1_123921_5529844	NC_021166.1	Ca_kabuli_chr07	5529844	CC	AA	1940376105
SNP_P1_123922_5529888	NC_021166.1	Ca_kabuli_chr07	5529888	AA	GG	1940376107
SNP_P1_123924_5530610	NC_021166.1	Ca_kabuli_chr07	5530610	TT	AA	1940376109
SNP_P1_123925_5530815	NC_021166.1	Ca_kabuli_chr07	5530815	AA	GG	1940376110
SNP_P1_123926_5532168	NC_021166.1	Ca_kabuli_chr07	5532168	CC	AA	1940376112
SNP_P1_123927_5540051	NC_021166.1	Ca_kabuli_chr07	5540051	TT	CC	1940376114
SNP_P1_123929_5540545	NC_021166.1	Ca_kabuli_chr07	5540545	GG	AA	1940376116
SNP_P1_123930_5540674	NC_021166.1	Ca_kabuli_chr07	5540674	AA	TT	1940376117
SNP_P1_123931_5540679	NC_021166.1	Ca_kabuli_chr07	5540679	AA	GG	1940376119
SNP_P1_123932_5540707	NC_021166.1	Ca_kabuli_chr07	5540707	GG	TT	1940376121
SNP_P1_123935_5541009	NC_021166.1	Ca_kabuli_chr07	5541009	GG	TT	1940376123
SNP_P1_123936_5541062	NC_021166.1	Ca_kabuli_chr07	5541062	GG	CC	1940376124
SNP_P1_123938_5541469	NC_021166.1	Ca_kabuli_chr07	5541469	GG	AA	1940376126
SNP_P1_123939_5541474	NC_021166.1	Ca_kabuli_chr07	5541474	TT	CC	1940376128
SNP_P1_123940_5544636	NC_021166.1	Ca_kabuli_chr07	5544636	TT	CC	1940376130
SNP_P1_123941_5545450	NC_021166.1	Ca_kabuli_chr07	5545450	TT	AA	1940376131
SNP_P1_123942_5546142	NC_021166.1	Ca_kabuli_chr07	5546142	GG	CC	1940376133
SNP_P1_123944_5547248	NC_021166.1	Ca_kabuli_chr07	5547248	TT	GG	1940376135
SNP_P1_123945_5547648	NC_021166.1	Ca_kabuli_chr07	5547648	CC	TT	1940376137
SNP_P1_123946_5548887	NC_021166.1	Ca_kabuli_chr07	5548887	TT	CC	1940376138
SNP_P1_123947_5548892	NC_021166.1	Ca_kabuli_chr07	5548892	GG	AA	1940376140
SNP_P1_123948_5548905	NC_021166.1	Ca_kabuli_chr07	5548905	CC	TT	1940376142
SNP_P1_123949_5549648	NC_021166.1	Ca_kabuli_chr07	5549648	CC	GG	1940376144
SNP_P1_123950_5554807	NC_021166.1	Ca_kabuli_chr07	5554807	GG	CC	1940376145
SNP_P1_123952_5555057	NC_021166.1	Ca_kabuli_chr07	5555057	CC	AA	1940376147
SNP_P1_123954_5555089	NC_021166.1	Ca_kabuli_chr07	5555089	GG	AA	1940376149
SNP_P1_123955_5555109	NC_021166.1	Ca_kabuli_chr07	5555109	AA	GG	1940376151
SNP_P1_123956_5555116	NC_021166.1	Ca_kabuli_chr07	5555116	TT	AA	1940376152
SNP_P1_123957_5556643	NC_021166.1	Ca_kabuli_chr07	5556643	CC	TT	1940376154
SNP_P1_123958_5556682	NC_021166.1	Ca_kabuli_chr07	5556682	GG	AA	1940376156
SNP_P1_123959_5556841	NC_021166.1	Ca_kabuli_chr07	5556841	GG	TT	1940376158
SNP_P1_123960_5556842	NC_021166.1	Ca_kabuli_chr07	5556842	AA	TT	1940376159
SNP_P1_123961_5556885	NC_021166.1	Ca_kabuli_chr07	5556885	CC	TT	1940376161
SNP_P1_123962_5557362	NC_021166.1	Ca_kabuli_chr07	5557362	CC	AA	1940376163
SNP_P1_123963_5557401	NC_021166.1	Ca_kabuli_chr07	5557401	TT	AA	1940376165
SNP_P1_123964_5558978	NC_021166.1	Ca_kabuli_chr07	5558978	TT	AA	1940376166

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_123965_5559269	NC_021166.1	Ca_kabuli_chr07	5559269	CC	TT	1940376168
SNP_P1_123966_5559289	NC_021166.1	Ca_kabuli_chr07	5559289	GG	AA	1940376170
SNP_P1_123967_5559353	NC_021166.1	Ca_kabuli_chr07	5559353	CC	TT	1940376172
SNP_P1_123968_5559560	NC_021166.1	Ca_kabuli_chr07	5559560	GG	TT	1940376173
SNP_P1_123969_5563821	NC_021166.1	Ca_kabuli_chr07	5563821	GG	AA	1940376175
SNP_P1_123971_5565511	NC_021166.1	Ca_kabuli_chr07	5565511	TT	AA	1940376177
SNP_P1_123972_5567558	NC_021166.1	Ca_kabuli_chr07	5567558	GG	AA	1940376179
SNP_P1_123973_5568114	NC_021166.1	Ca_kabuli_chr07	5568114	CC	AA	1940376180
SNP_P1_123974_5568478	NC_021166.1	Ca_kabuli_chr07	5568478	TT	CC	1940376182
SNP_P1_123975_5571767	NC_021166.1	Ca_kabuli_chr07	5571767	AA	GG	1940376184
SNP_P1_123976_5571845	NC_021166.1	Ca_kabuli_chr07	5571845	TT	AA	1940376186
SNP_P1_123978_5572415	NC_021166.1	Ca_kabuli_chr07	5572415	TT	GG	1940376187
SNP_P1_123979_5572439	NC_021166.1	Ca_kabuli_chr07	5572439	TT	CC	1940376189
SNP_P1_123980_5572599	NC_021166.1	Ca_kabuli_chr07	5572599	AA	TT	1940376191
SNP_P1_123981_5572600	NC_021166.1	Ca_kabuli_chr07	5572600	AA	TT	1940376193
SNP_P1_123983_5572667	NC_021166.1	Ca_kabuli_chr07	5572667	GG	CC	1940376194
SNP_P1_123985_5572763	NC_021166.1	Ca_kabuli_chr07	5572763	TT	AA	1940376196
SNP_P1_123986_5572779	NC_021166.1	Ca_kabuli_chr07	5572779	GG	AA	1940376198
SNP_P1_123987_5572798	NC_021166.1	Ca_kabuli_chr07	5572798	AA	GG	1940376200
SNP_P1_123988_5572833	NC_021166.1	Ca_kabuli_chr07	5572833	AA	GG	1940376202
SNP_P1_123989_5573040	NC_021166.1	Ca_kabuli_chr07	5573040	TT	CC	1940376203
SNP_P1_123990_5573041	NC_021166.1	Ca_kabuli_chr07	5573041	TT	AA	1940376205
SNP_P1_123991_5573043	NC_021166.1	Ca_kabuli_chr07	5573043	TT	AA	1940376207
SNP_P1_123993_5573115	NC_021166.1	Ca_kabuli_chr07	5573115	AA	GG	1940376209
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SNP_P1_123995_5574076	NC_021166.1	Ca_kabuli_chr07	5574076	TT	GG	1940376212
SNP_P1_123996_5574094	NC_021166.1	Ca_kabuli_chr07	5574094	TT	CC	1940376214
SNP_P1_123999_5574123	NC_021166.1	Ca_kabuli_chr07	5574123	AA	TT	1940376216
SNP_P1_124000_5574274	NC_021166.1	Ca_kabuli_chr07	5574274	AA	GG	1940376217
SNP_P1_124001_5574604	NC_021166.1	Ca_kabuli_chr07	5574604	CC	TT	1940376219
SNP_P1_124003_5576368	NC_021166.1	Ca_kabuli_chr07	5576368	GG	AA	1940376221
SNP_P1_124004_5576377	NC_021166.1	Ca_kabuli_chr07	5576377	GG	AA	1940376223
SNP_P1_124005_5576390	NC_021166.1	Ca_kabuli_chr07	5576390	TT	CC	1940376224
SNP_P1_124007_5578595	NC_021166.1	Ca_kabuli_chr07	5578595	AA	GG	1940376226
SNP_P1_124008_5578638	NC_021166.1	Ca_kabuli_chr07	5578638	AA	TT	1940376228
SNP_P1_124009_5578640	NC_021166.1	Ca_kabuli_chr07	5578640	GG	AA	1940376230
SNP_P1_124010_5578784	NC_021166.1	Ca_kabuli_chr07	5578784	AA	GG	1940376231
SNP_P1_124011_5579013	NC_021166.1	Ca_kabuli_chr07	5579013	AA	CC	1940376233
SNP_P1_124012_5579652	NC_021166.1	Ca_kabuli_chr07	5579652	AA	GG	1940376235
SNP_P1_124013_5579871	NC_021166.1	Ca_kabuli_chr07	5579871	GG	AA	1940376237
SNP_P1_124014_5581968	NC_021166.1	Ca_kabuli_chr07	5581968	GG	CC	1940376239
SNP_P1_124016_5585446	NC_021166.1	Ca_kabuli_chr07	5585446	GG	AA	1940376240

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124019_5614372	NC_021166.1	Ca_kabuli_chr07	5614372	CC	TT	1940376244
SNP_P1_124020_5625059	NC_021166.1	Ca_kabuli_chr07	5625059	CC	TT	1940376246
SNP_P1_124023_5628101	NC_021166.1	Ca_kabuli_chr07	5628101	AA	TT	1940376247
SNP_P1_124024_5628123	NC_021166.1	Ca_kabuli_chr07	5628123	CC	TT	1940376249
SNP_P1_124025_5628132	NC_021166.1	Ca_kabuli_chr07	5628132	AA	TT	1940376251
SNP_P1_124026_5628340	NC_021166.1	Ca_kabuli_chr07	5628340	TT	GG	1940376253
SNP_P1_124027_5628390	NC_021166.1	Ca_kabuli_chr07	5628390	AA	CC	1940376254
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SNP_P1_124030_5630226	NC_021166.1	Ca_kabuli_chr07	5630226	TT	CC	1940376258
SNP_P1_124031_5630436	NC_021166.1	Ca_kabuli_chr07	5630436	CC	TT	1940376259
SNP_P1_124032_5630442	NC_021166.1	Ca_kabuli_chr07	5630442	AA	GG	1940376261
SNP_P1_124033_5630466	NC_021166.1	Ca_kabuli_chr07	5630466	GG	TT	1940376263
SNP_P1_124034_5630648	NC_021166.1	Ca_kabuli_chr07	5630648	GG	AA	1940376265
SNP_P1_124035_5631378	NC_021166.1	Ca_kabuli_chr07	5631378	GG	AA	1940376267
SNP_P1_124036_5631384	NC_021166.1	Ca_kabuli_chr07	5631384	GG	TT	1940376268
SNP_P1_124037_5631455	NC_021166.1	Ca_kabuli_chr07	5631455	TT	CC	1940376270
SNP_P1_124038_5631694	NC_021166.1	Ca_kabuli_chr07	5631694	CC	AA	1940376272
SNP_P1_124040_5631852	NC_021166.1	Ca_kabuli_chr07	5631852	AA	GG	1940376273
SNP_P1_124041_5631866	NC_021166.1	Ca_kabuli_chr07	5631866	TT	AA	1940376275
SNP_P1_124042_5631867	NC_021166.1	Ca_kabuli_chr07	5631867	TT	AA	1940376277
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SNP_P1_124045_5631907	NC_021166.1	Ca_kabuli_chr07	5631907	TT	AA	1940376282
SNP_P1_124046_5632248	NC_021166.1	Ca_kabuli_chr07	5632248	TT	AA	1940376284
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SNP_P1_124051_5633053	NC_021166.1	Ca_kabuli_chr07	5633053	AA	GG	1940376291
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SNP_P1_124055_5635763	NC_021166.1	Ca_kabuli_chr07	5635763	GG	AA	1940376294
SNP_P1_124057_5648227	NC_021166.1	Ca_kabuli_chr07	5648227	GG	AA	1940376296
SNP_P1_124058_5648381	NC_021166.1	Ca_kabuli_chr07	5648381	GG	CC	1940376298
SNP_P1_124060_5648713	NC_021166.1	Ca_kabuli_chr07	5648713	AA	CC	1940376300
SNP_P1_124061_5648923	NC_021166.1	Ca_kabuli_chr07	5648923	GG	AA	1940376301
SNP_P1_124062_5648940	NC_021166.1	Ca_kabuli_chr07	5648940	TT	CC	1940376303
SNP_P1_124063_5649267	NC_021166.1	Ca_kabuli_chr07	5649267	TT	CC	1940376305
SNP_P1_124064_5649454	NC_021166.1	Ca_kabuli_chr07	5649454	CC	TT	1940376307
SNP_P1_124065_5649562	NC_021166.1	Ca_kabuli_chr07	5649562	TT	CC	1940376308
SNP_P1_124067_5649888	NC_021166.1	Ca_kabuli_chr07	5649888	TT	AA	1940376310
SNP_P1_124068_5649934	NC_021166.1	Ca_kabuli_chr07	5649934	CC	AA	1940376312
SNP_P1_124071_5652030	NC_021166.1	Ca_kabuli_chr07	5652030	TT	GG	1940376314

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124074_5654647	NC_021166.1	Ca_kabuli_chr07	5654647	AA	CC	1940376317
SNP_P1_124076_5655136	NC_021166.1	Ca_kabuli_chr07	5655136	TT	CC	1940376319
SNP_P1_124077_5655143	NC_021166.1	Ca_kabuli_chr07	5655143	GG	AA	1940376321
SNP_P1_124078_5655145	NC_021166.1	Ca_kabuli_chr07	5655145	GG	TT	1940376322
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SNP_P1_124080_5656694	NC_021166.1	Ca_kabuli_chr07	5656694	GG	AA	1940376326
SNP_P1_124081_5656723	NC_021166.1	Ca_kabuli_chr07	5656723	GG	TT	1940376328
SNP_P1_124082_5657523	NC_021166.1	Ca_kabuli_chr07	5657523	GG	AA	1940376330
SNP_P1_124083_5657803	NC_021166.1	Ca_kabuli_chr07	5657803	AA	GG	1940376331
SNP_P1_124084_5657810	NC_021166.1	Ca_kabuli_chr07	5657810	CC	TT	1940376333
SNP_P1_124085_5657925	NC_021166.1	Ca_kabuli_chr07	5657925	GG	AA	1940376335
SNP_P1_124087_5658111	NC_021166.1	Ca_kabuli_chr07	5658111	CC	TT	1940376337
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SNP_P1_124092_5658313	NC_021166.1	Ca_kabuli_chr07	5658313	AA	GG	1940376340
SNP_P1_124093_5658445	NC_021166.1	Ca_kabuli_chr07	5658445	GG	TT	1940376342
SNP_P1_124095_5658830	NC_021166.1	Ca_kabuli_chr07	5658830	AA	TT	1940376343
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SNP_P1_124098_5658936	NC_021166.1	Ca_kabuli_chr07	5658936	GG	AA	1940376347
SNP_P1_124099_5658940	NC_021166.1	Ca_kabuli_chr07	5658940	CC	TT	1940376349
SNP_P1_124100_5658951	NC_021166.1	Ca_kabuli_chr07	5658951	CC	TT	1940376350
SNP_P1_124101_5659183	NC_021166.1	Ca_kabuli_chr07	5659183	AA	GG	1940376352
SNP_P1_124102_5659206	NC_021166.1	Ca_kabuli_chr07	5659206	TT	CC	1940376354
SNP_P1_124103_5659313	NC_021166.1	Ca_kabuli_chr07	5659313	AA	GG	1940376356
SNP_P1_124104_5659433	NC_021166.1	Ca_kabuli_chr07	5659433	TT	AA	1940376357
SNP_P1_124105_5659447	NC_021166.1	Ca_kabuli_chr07	5659447	AA	GG	1940376359
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SNP_P1_124107_5661254	NC_021166.1	Ca_kabuli_chr07	5661254	TT	CC	1940376363
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SNP_P1_124109_5661708	NC_021166.1	Ca_kabuli_chr07	5661708	TT	GG	1940376366
SNP_P1_124110_5661927	NC_021166.1	Ca_kabuli_chr07	5661927	AA	GG	1940376367
SNP_P1_124111_5661942	NC_021166.1	Ca_kabuli_chr07	5661942	CC	TT	1940376369
SNP_P1_124112_5662011	NC_021166.1	Ca_kabuli_chr07	5662011	CC	TT	1940376371
SNP_P1_124113_5662020	NC_021166.1	Ca_kabuli_chr07	5662020	AA	GG	1940376373
SNP_P1_124114_5662037	NC_021166.1	Ca_kabuli_chr07	5662037	AA	GG	1940376375
SNP_P1_124115_5662056	NC_021166.1	Ca_kabuli_chr07	5662056	AA	GG	1940376376
SNP_P1_124116_5662071	NC_021166.1	Ca_kabuli_chr07	5662071	CC	TT	1940376378
SNP_P1_124117_5662127	NC_021166.1	Ca_kabuli_chr07	5662127	GG	AA	1940376380
SNP_P1_124118_5662370	NC_021166.1	Ca_kabuli_chr07	5662370	GG	AA	1940376381
SNP_P1_124119_5662414	NC_021166.1	Ca_kabuli_chr07	5662414	CC	TT	1940376383
SNP_P1_124120_5662417	NC_021166.1	Ca_kabuli_chr07	5662417	GG	CC	1940376385
SNP_P1_124122_5666705	NC_021166.1	Ca_kabuli_chr07	5666705	TT	CC	1940376387

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124125_5666918	NC_021166.1	Ca_kabuli_chr07	5666918	TT	CC	1940376392
SNP_P1_124126_5667013	NC_021166.1	Ca_kabuli_chr07	5667013	GG	AA	1940376394
SNP_P1_124127_5667253	NC_021166.1	Ca_kabuli_chr07	5667253	GG	AA	1940376395
SNP_P1_124130_5668076	NC_021166.1	Ca_kabuli_chr07	5668076	GG	AA	1940376397
SNP_P1_124131_5668811	NC_021166.1	Ca_kabuli_chr07	5668811	AA	TT	1940376399
SNP_P1_124132_5669010	NC_021166.1	Ca_kabuli_chr07	5669010	TT	GG	1940376401
SNP_P1_124133_5670934	NC_021166.1	Ca_kabuli_chr07	5670934	TT	CC	1940376402
SNP_P1_124134_5671208	NC_021166.1	Ca_kabuli_chr07	5671208	TT	GG	1940376404
SNP_P1_124135_5671211	NC_021166.1	Ca_kabuli_chr07	5671211	TT	GG	1940376406
SNP_P1_124136_5671214	NC_021166.1	Ca_kabuli_chr07	5671214	GG	AA	1940376408
SNP_P1_124137_5671529	NC_021166.1	Ca_kabuli_chr07	5671529	AA	CC	1940376409
SNP_P1_124138_5671542	NC_021166.1	Ca_kabuli_chr07	5671542	CC	AA	1940376411
SNP_P1_124140_5671807	NC_021166.1	Ca_kabuli_chr07	5671807	TT	CC	1940376413
SNP_P1_124141_5671902	NC_021166.1	Ca_kabuli_chr07	5671902	GG	TT	1940376415
SNP_P1_124142_5672612	NC_021166.1	Ca_kabuli_chr07	5672612	AA	GG	1940376416
SNP_P1_124143_5672729	NC_021166.1	Ca_kabuli_chr07	5672729	TT	GG	1940376418
SNP_P1_124144_5672770	NC_021166.1	Ca_kabuli_chr07	5672770	CC	TT	1940376420
SNP_P1_124145_5672782	NC_021166.1	Ca_kabuli_chr07	5672782	CC	GG	1940376422
SNP_P1_124146_5672901	NC_021166.1	Ca_kabuli_chr07	5672901	GG	CC	1940376423
SNP_P1_124147_5672923	NC_021166.1	Ca_kabuli_chr07	5672923	GG	TT	1940376425
SNP_P1_124148_5673134	NC_021166.1	Ca_kabuli_chr07	5673134	CC	TT	1940376427
SNP_P1_124150_5673333	NC_021166.1	Ca_kabuli_chr07	5673333	GG	TT	1940376429
SNP_P1_124151_5675197	NC_021166.1	Ca_kabuli_chr07	5675197	CC	TT	1940376430
SNP_P1_124152_5675211	NC_021166.1	Ca_kabuli_chr07	5675211	CC	TT	1940376432
SNP_P1_124153_5675351	NC_021166.1	Ca_kabuli_chr07	5675351	AA	CC	1940376434
SNP_P1_124154_5675465	NC_021166.1	Ca_kabuli_chr07	5675465	CC	TT	1940376436
SNP_P1_124155_5675638	NC_021166.1	Ca_kabuli_chr07	5675638	TT	AA	1940376437
SNP_P1_124156_5675670	NC_021166.1	Ca_kabuli_chr07	5675670	AA	CC	1940376439
SNP_P1_124157_5675672	NC_021166.1	Ca_kabuli_chr07	5675672	AA	CC	1940376441
SNP_P1_124158_5675675	NC_021166.1	Ca_kabuli_chr07	5675675	GG	TT	1940376443
SNP_P1_124159_5675703	NC_021166.1	Ca_kabuli_chr07	5675703	GG	TT	1940376444
SNP_P1_124160_5677726	NC_021166.1	Ca_kabuli_chr07	5677726	GG	AA	1940376446
SNP_P1_124161_5677918	NC_021166.1	Ca_kabuli_chr07	5677918	GG	AA	1940376448
SNP_P1_124162_5678992	NC_021166.1	Ca_kabuli_chr07	5678992	TT	CC	1940376450
SNP_P1_124163_5679386	NC_021166.1	Ca_kabuli_chr07	5679386	TT	GG	1940376451
SNP_P1_124164_5681235	NC_021166.1	Ca_kabuli_chr07	5681235	AA	GG	1940376453
SNP_P1_124165_5681490	NC_021166.1	Ca_kabuli_chr07	5681490	TT	CC	1940376455
SNP_P1_124166_5681516	NC_021166.1	Ca_kabuli_chr07	5681516	AA	GG	1940376457
SNP_P1_124167_5681542	NC_021166.1	Ca_kabuli_chr07	5681542	TT	CC	1940376458
SNP_P1_124169_5683352	NC_021166.1	Ca_kabuli_chr07	5683352	TT	AA	1940376460

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124173_5684313	NC_021166.1	Ca_kabuli_chr07	5684313	TT	GG	1940376464
SNP_P1_124175_5684762	NC_021166.1	Ca_kabuli_chr07	5684762	TT	AA	1940376466
SNP_P1_124176_5686095	NC_021166.1	Ca_kabuli_chr07	5686095	AA	GG	1940376467
SNP_P1_124177_5686129	NC_021166.1	Ca_kabuli_chr07	5686129	AA	GG	1940376469
SNP_P1_124179_5686534	NC_021166.1	Ca_kabuli_chr07	5686534	AA	CC	1940376471
SNP_P1_124180_5686757	NC_021166.1	Ca_kabuli_chr07	5686757	GG	AA	1940376473
SNP_P1_124181_5686758	NC_021166.1	Ca_kabuli_chr07	5686758	AA	TT	1940376474
SNP_P1_124182_5686945	NC_021166.1	Ca_kabuli_chr07	5686945	AA	GG	1940376476
SNP_P1_124183_5687021	NC_021166.1	Ca_kabuli_chr07	5687021	GG	AA	1940376478
SNP_P1_124184_5689062	NC_021166.1	Ca_kabuli_chr07	5689062	TT	CC	1940376480
SNP_P1_124185_5689116	NC_021166.1	Ca_kabuli_chr07	5689116	GG	AA	1940376481
SNP_P1_124187_5689225	NC_021166.1	Ca_kabuli_chr07	5689225	TT	CC	1940376483
SNP_P1_124188_5689280	NC_021166.1	Ca_kabuli_chr07	5689280	TT	CC	1940376485
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SNP_P1_124190_5689417	NC_021166.1	Ca_kabuli_chr07	5689417	CC	TT	1940376488
SNP_P1_124191_5689433	NC_021166.1	Ca_kabuli_chr07	5689433	AA	TT	1940376490
SNP_P1_124192_5689444	NC_021166.1	Ca_kabuli_chr07	5689444	GG	AA	1940376492
SNP_P1_124193_5689482	NC_021166.1	Ca_kabuli_chr07	5689482	TT	CC	1940376494
SNP_P1_124194_5689551	NC_021166.1	Ca_kabuli_chr07	5689551	TT	GG	1940376495
SNP_P1_124195_5689555	NC_021166.1	Ca_kabuli_chr07	5689555	CC	TT	1940376497
SNP_P1_124196_5689684	NC_021166.1	Ca_kabuli_chr07	5689684	CC	GG	1940376499
SNP_P1_124197_5692406	NC_021166.1	Ca_kabuli_chr07	5692406	TT	AA	1940376500
SNP_P1_124200_5696164	NC_021166.1	Ca_kabuli_chr07	5696164	CC	TT	1940376502
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SNP_P1_124202_5697122	NC_021166.1	Ca_kabuli_chr07	5697122	TT	AA	1940376506
SNP_P1_124205_5699781	NC_021166.1	Ca_kabuli_chr07	5699781	TT	CC	1940376507
SNP_P1_124206_5699855	NC_021166.1	Ca_kabuli_chr07	5699855	AA	TT	1940376509
SNP_P1_124207_5700232	NC_021166.1	Ca_kabuli_chr07	5700232	AA	GG	1940376511
SNP_P1_124209_5700267	NC_021166.1	Ca_kabuli_chr07	5700267	CC	AA	1940376513
SNP_P1_124210_5700290	NC_021166.1	Ca_kabuli_chr07	5700290	TT	CC	1940376514
SNP_P1_124211_5701044	NC_021166.1	Ca_kabuli_chr07	5701044	TT	AA	1940376516
SNP_P1_124212_5701851	NC_021166.1	Ca_kabuli_chr07	5701851	AA	GG	1940376518
SNP_P1_124213_5701909	NC_021166.1	Ca_kabuli_chr07	5701909	TT	AA	1940376520
SNP_P1_124214_5701976	NC_021166.1	Ca_kabuli_chr07	5701976	CC	TT	1940376521
SNP_P1_124215_5701983	NC_021166.1	Ca_kabuli_chr07	5701983	GG	CC	1940376523
SNP_P1_124216_5702429	NC_021166.1	Ca_kabuli_chr07	5702429	TT	AA	1940376525
SNP_P1_124217_5702568	NC_021166.1	Ca_kabuli_chr07	5702568	CC	TT	1940376527
SNP_P1_124218_5702574	NC_021166.1	Ca_kabuli_chr07	5702574	CC	TT	1940376528
SNP_P1_124221_5703591	NC_021166.1	Ca_kabuli_chr07	5703591	GG	TT	1940376530
SNP_P1_124222_5704648	NC_021166.1	Ca_kabuli_chr07	5704648	GG	AA	1940376532
SNP_P1_124224_5706083	NC_021166.1	Ca_kabuli_chr07	5706083	CC	TT	1940376534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124226_5707059	NC_021166.1	Ca_kabuli_chr07	5707059	CC	AA	1940376537
SNP_P1_124227_5707063	NC_021166.1	Ca_kabuli_chr07	5707063	CC	GG	1940376539
SNP_P1_124228_5707295	NC_021166.1	Ca_kabuli_chr07	5707295	TT	GG	1940376541
SNP_P1_124229_5707325	NC_021166.1	Ca_kabuli_chr07	5707325	TT	CC	1940376542
SNP_P1_124230_5708834	NC_021166.1	Ca_kabuli_chr07	5708834	AA	TT	1940376544
SNP_P1_124231_5708851	NC_021166.1	Ca_kabuli_chr07	5708851	CC	GG	1940376546
SNP_P1_124232_5709137	NC_021166.1	Ca_kabuli_chr07	5709137	TT	AA	1940376548
SNP_P1_124233_5710982	NC_021166.1	Ca_kabuli_chr07	5710982	GG	CC	1940376549
SNP_P1_124234_5710996	NC_021166.1	Ca_kabuli_chr07	5710996	CC	GG	1940376551
SNP_P1_124235_5711297	NC_021166.1	Ca_kabuli_chr07	5711297	AA	TT	1940376553
SNP_P1_124236_5711629	NC_021166.1	Ca_kabuli_chr07	5711629	AA	CC	1940376555
SNP_P1_124237_5712604	NC_021166.1	Ca_kabuli_chr07	5712604	CC	TT	1940376556
SNP_P1_124238_5713388	NC_021166.1	Ca_kabuli_chr07	5713388	GG	AA	1940376558
SNP_P1_124239_5713602	NC_021166.1	Ca_kabuli_chr07	5713602	AA	CC	1940376560
SNP_P1_124240_5713620	NC_021166.1	Ca_kabuli_chr07	5713620	AA	CC	1940376562
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SNP_P1_124242_5713698	NC_021166.1	Ca_kabuli_chr07	5713698	AA	CC	1940376565
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SNP_P1_124244_5713778	NC_021166.1	Ca_kabuli_chr07	5713778	GG	AA	1940376569
SNP_P1_124245_5714715	NC_021166.1	Ca_kabuli_chr07	5714715	CC	TT	1940376570
SNP_P1_124246_5715140	NC_021166.1	Ca_kabuli_chr07	5715140	AA	GG	1940376572
SNP_P1_124247_5715156	NC_021166.1	Ca_kabuli_chr07	5715156	TT	CC	1940376574
SNP_P1_124249_5716697	NC_021166.1	Ca_kabuli_chr07	5716697	TT	AA	1940376576
SNP_P1_124250_5716705	NC_021166.1	Ca_kabuli_chr07	5716705	CC	TT	1940376577
SNP_P1_124251_5717137	NC_021166.1	Ca_kabuli_chr07	5717137	TT	CC	1940376579
SNP_P1_124252_5717141	NC_021166.1	Ca_kabuli_chr07	5717141	CC	TT	1940376581
SNP_P1_124253_5717158	NC_021166.1	Ca_kabuli_chr07	5717158	GG	AA	1940376583
SNP_P1_124255_5717373	NC_021166.1	Ca_kabuli_chr07	5717373	CC	AA	1940376584
SNP_P1_124257_5718156	NC_021166.1	Ca_kabuli_chr07	5718156	AA	TT	1940376586
SNP_P1_124258_5718168	NC_021166.1	Ca_kabuli_chr07	5718168	GG	TT	1940376588
SNP_P1_124259_5718368	NC_021166.1	Ca_kabuli_chr07	5718368	AA	GG	1940376590
SNP_P1_124261_5718958	NC_021166.1	Ca_kabuli_chr07	5718958	CC	AA	1940376591
SNP_P1_124263_5719140	NC_021166.1	Ca_kabuli_chr07	5719140	GG	CC	1940376593
SNP_P1_124264_5719640	NC_021166.1	Ca_kabuli_chr07	5719640	AA	CC	1940376595
SNP_P1_124266_5720058	NC_021166.1	Ca_kabuli_chr07	5720058	TT	CC	1940376597
SNP_P1_124267_5720460	NC_021166.1	Ca_kabuli_chr07	5720460	GG	AA	1940376598
SNP_P1_124268_5721247	NC_021166.1	Ca_kabuli_chr07	5721247	CC	TT	1940376600
SNP_P1_124269_5723107	NC_021166.1	Ca_kabuli_chr07	5723107	CC	TT	1940376602
SNP_P1_124270_5723447	NC_021166.1	Ca_kabuli_chr07	5723447	AA	GG	1940376604
SNP_P1_124271_5724937	NC_021166.1	Ca_kabuli_chr07	5724937	CC	TT	1940376605
SNP_P1_124272_5725797	NC_021166.1	Ca_kabuli_chr07	5725797	AA	GG	1940376607

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124274_5728003	NC_021166.1	Ca_kabuli_chr07	5728003	TT	CC	1940376611
SNP_P1_124275_5728897	NC_021166.1	Ca_kabuli_chr07	5728897	AA	GG	1940376612
SNP_P1_124276_5729205	NC_021166.1	Ca_kabuli_chr07	5729205	TT	CC	1940376614
SNP_P1_124277_5729286	NC_021166.1	Ca_kabuli_chr07	5729286	TT	AA	1940376616
SNP_P1_124278_5730386	NC_021166.1	Ca_kabuli_chr07	5730386	GG	CC	1940376618
SNP_P1_124279_5730418	NC_021166.1	Ca_kabuli_chr07	5730418	CC	TT	1940376619
SNP_P1_124280_5731636	NC_021166.1	Ca_kabuli_chr07	5731636	AA	CC	1940376621
SNP_P1_124281_5731647	NC_021166.1	Ca_kabuli_chr07	5731647	AA	GG	1940376623
SNP_P1_124282_5731803	NC_021166.1	Ca_kabuli_chr07	5731803	CC	TT	1940376625
SNP_P1_124283_5731943	NC_021166.1	Ca_kabuli_chr07	5731943	GG	CC	1940376626
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SNP_P1_124292_5745152	NC_021166.1	Ca_kabuli_chr07	5745152	AA	GG	1940376640
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SNP_P1_124299_5745587	NC_021166.1	Ca_kabuli_chr07	5745587	TT	CC	1940376653
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SNP_P1_124301_5745594	NC_021166.1	Ca_kabuli_chr07	5745594	TT	AA	1940376656
SNP_P1_124302_5745610	NC_021166.1	Ca_kabuli_chr07	5745610	GG	TT	1940376658
SNP_P1_124303_5745612	NC_021166.1	Ca_kabuli_chr07	5745612	AA	GG	1940376660
SNP_P1_124304_5745643	NC_021166.1	Ca_kabuli_chr07	5745643	AA	GG	1940376661
SNP_P1_124305_5745649	NC_021166.1	Ca_kabuli_chr07	5745649	AA	CC	1940376663
SNP_P1_124306_5757339	NC_021166.1	Ca_kabuli_chr07	5757339	CC	GG	1940376665
SNP_P1_124308_5759768	NC_021166.1	Ca_kabuli_chr07	5759768	AA	GG	1940376667
SNP_P1_124309_5761360	NC_021166.1	Ca_kabuli_chr07	5761360	AA	CC	1940376669
SNP_P1_124310_5761643	NC_021166.1	Ca_kabuli_chr07	5761643	CC	TT	1940376670
SNP_P1_124311_5764231	NC_021166.1	Ca_kabuli_chr07	5764231	GG	AA	1940376672
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SNP_P1_124315_5767890	NC_021166.1	Ca_kabuli_chr07	5767890	TT	AA	1940376677
SNP_P1_124316_5767903	NC_021166.1	Ca_kabuli_chr07	5767903	CC	TT	1940376679
SNP_P1_124317_5768294	NC_021166.1	Ca_kabuli_chr07	5768294	GG	AA	1940376681

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124320_5769421	NC_021166.1	Ca_kabuli_chr07	5769421	CC	TT	1940376686
SNP_P1_124321_5769450	NC_021166.1	Ca_kabuli_chr07	5769450	CC	TT	1940376688
SNP_P1_124322_5769567	NC_021166.1	Ca_kabuli_chr07	5769567	TT	CC	1940376690
SNP_P1_124323_5769569	NC_021166.1	Ca_kabuli_chr07	5769569	GG	AA	1940376691
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SNP_P1_124325_5770864	NC_021166.1	Ca_kabuli_chr07	5770864	GG	AA	1940376695
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SNP_P1_124328_5770902	NC_021166.1	Ca_kabuli_chr07	5770902	CC	TT	1940376700
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SNP_P1_124330_5773012	NC_021166.1	Ca_kabuli_chr07	5773012	AA	GG	1940376704
SNP_P1_124331_5773348	NC_021166.1	Ca_kabuli_chr07	5773348	AA	TT	1940376706
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SNP_P1_124337_5775908	NC_021166.1	Ca_kabuli_chr07	5775908	GG	AA	1940376716
SNP_P1_124338_5778042	NC_021166.1	Ca_kabuli_chr07	5778042	CC	TT	1940376718
SNP_P1_124339_5778243	NC_021166.1	Ca_kabuli_chr07	5778243	TT	CC	1940376720
SNP_P1_124341_5778374	NC_021166.1	Ca_kabuli_chr07	5778374	AA	GG	1940376721
SNP_P1_124342_5778455	NC_021166.1	Ca_kabuli_chr07	5778455	GG	CC	1940376723
SNP_P1_124343_5778882	NC_021166.1	Ca_kabuli_chr07	5778882	TT	AA	1940376725
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SNP_P1_124346_5779321	NC_021166.1	Ca_kabuli_chr07	5779321	GG	TT	1940376728
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SNP_P1_124348_5780954	NC_021166.1	Ca_kabuli_chr07	5780954	AA	GG	1940376732
SNP_P1_124349_5781176	NC_021166.1	Ca_kabuli_chr07	5781176	GG	CC	1940376734
SNP_P1_124350_5781179	NC_021166.1	Ca_kabuli_chr07	5781179	TT	AA	1940376735
SNP_P1_124351_5781399	NC_021166.1	Ca_kabuli_chr07	5781399	TT	GG	1940376737
SNP_P1_124352_5782032	NC_021166.1	Ca_kabuli_chr07	5782032	TT	CC	1940376739
SNP_P1_124353_5782051	NC_021166.1	Ca_kabuli_chr07	5782051	CC	TT	1940376741
SNP_P1_124354_5783487	NC_021166.1	Ca_kabuli_chr07	5783487	TT	CC	1940376743
SNP_P1_124355_5783718	NC_021166.1	Ca_kabuli_chr07	5783718	CC	AA	1940376744
SNP_P1_124356_5783764	NC_021166.1	Ca_kabuli_chr07	5783764	CC	TT	1940376746
SNP_P1_124357_5783803	NC_021166.1	Ca_kabuli_chr07	5783803	TT	AA	1940376748
SNP_P1_124358_5783806	NC_021166.1	Ca_kabuli_chr07	5783806	AA	TT	1940376750
SNP_P1_124359_5783991	NC_021166.1	Ca_kabuli_chr07	5783991	GG	AA	1940376751
SNP_P1_124360_5784630	NC_021166.1	Ca_kabuli_chr07	5784630	CC	TT	1940376753
SNP_P1_124361_5784641	NC_021166.1	Ca_kabuli_chr07	5784641	TT	CC	1940376755

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124365_5785403	NC_021166.1	Ca_kabuli_chr07	5785403	CC	AA	1940376760
SNP_P1_124367_5785487	NC_021166.1	Ca_kabuli_chr07	5785487	GG	AA	1940376762
SNP_P1_124369_5785989	NC_021166.1	Ca_kabuli_chr07	5785989	TT	CC	1940376764
SNP_P1_124371_5786326	NC_021166.1	Ca_kabuli_chr07	5786326	AA	TT	1940376765
SNP_P1_124372_5786356	NC_021166.1	Ca_kabuli_chr07	5786356	AA	TT	1940376767
SNP_P1_124373_5786601	NC_021166.1	Ca_kabuli_chr07	5786601	CC	TT	1940376769
SNP_P1_124374_5786640	NC_021166.1	Ca_kabuli_chr07	5786640	GG	AA	1940376771
SNP_P1_124375_5786885	NC_021166.1	Ca_kabuli_chr07	5786885	GG	CC	1940376772
SNP_P1_124376_5787900	NC_021166.1	Ca_kabuli_chr07	5787900	CC	AA	1940376774
SNP_P1_124377_5787965	NC_021166.1	Ca_kabuli_chr07	5787965	TT	AA	1940376776
SNP_P1_124379_5790657	NC_021166.1	Ca_kabuli_chr07	5790657	CC	TT	1940376778
SNP_P1_124380_5790666	NC_021166.1	Ca_kabuli_chr07	5790666	AA	CC	1940376780
SNP_P1_124383_5790901	NC_021166.1	Ca_kabuli_chr07	5790901	AA	TT	1940376781
SNP_P1_124384_5790924	NC_021166.1	Ca_kabuli_chr07	5790924	TT	AA	1940376783
SNP_P1_124386_5791113	NC_021166.1	Ca_kabuli_chr07	5791113	TT	AA	1940376785
SNP_P1_124388_5791226	NC_021166.1	Ca_kabuli_chr07	5791226	TT	AA	1940376787
SNP_P1_124390_5791649	NC_021166.1	Ca_kabuli_chr07	5791649	AA	GG	1940376788
SNP_P1_124391_5791680	NC_021166.1	Ca_kabuli_chr07	5791680	AA	GG	1940376790
SNP_P1_124392_5792028	NC_021166.1	Ca_kabuli_chr07	5792028	TT	CC	1940376792
SNP_P1_124393_5792033	NC_021166.1	Ca_kabuli_chr07	5792033	TT	AA	1940376794
SNP_P1_124394_5792513	NC_021166.1	Ca_kabuli_chr07	5792513	TT	CC	1940376795
SNP_P1_124395_5793135	NC_021166.1	Ca_kabuli_chr07	5793135	GG	AA	1940376797
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SNP_P1_124397_5794361	NC_021166.1	Ca_kabuli_chr07	5794361	AA	GG	1940376801
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SNP_P1_124402_5800000	NC_021166.1	Ca_kabuli_chr07	5800000	AA	GG	1940376806
SNP_P1_124403_5800032	NC_021166.1	Ca_kabuli_chr07	5800032	CC	AA	1940376808
SNP_P1_124404_5800081	NC_021166.1	Ca_kabuli_chr07	5800081	TT	CC	1940376809
SNP_P1_124405_5800463	NC_021166.1	Ca_kabuli_chr07	5800463	TT	CC	1940376811
SNP_P1_124406_5800747	NC_021166.1	Ca_kabuli_chr07	5800747	CC	TT	1940376813
SNP_P1_124410_5801810	NC_021166.1	Ca_kabuli_chr07	5801810	AA	TT	1940376815
SNP_P1_124411_5801822	NC_021166.1	Ca_kabuli_chr07	5801822	GG	TT	1940376817
SNP_P1_124412_5802819	NC_021166.1	Ca_kabuli_chr07	5802819	GG	CC	1940376818
SNP_P1_124414_5804251	NC_021166.1	Ca_kabuli_chr07	5804251	TT	CC	1940376820
SNP_P1_124415_5804606	NC_021166.1	Ca_kabuli_chr07	5804606	GG	TT	1940376822
SNP_P1_124416_5804954	NC_021166.1	Ca_kabuli_chr07	5804954	CC	GG	1940376824
SNP_P1_124417_5804956	NC_021166.1	Ca_kabuli_chr07	5804956	AA	TT	1940376825
SNP_P1_124418_5805029	NC_021166.1	Ca_kabuli_chr07	5805029	AA	GG	1940376827
SNP_P1_124419_5805310	NC_021166.1	Ca_kabuli_chr07	5805310	GG	AA	1940376829

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124421_5805600	NC_021166.1	Ca_kabuli_chr07	5805600	GG	TT	1940376832
SNP_P1_124422_5806425	NC_021166.1	Ca_kabuli_chr07	5806425	AA	GG	1940376834
SNP_P1_124423_5806479	NC_021166.1	Ca_kabuli_chr07	5806479	GG	CC	1940376836
SNP_P1_124424_5806482	NC_021166.1	Ca_kabuli_chr07	5806482	TT	CC	1940376838
SNP_P1_124425_5806484	NC_021166.1	Ca_kabuli_chr07	5806484	GG	AA	1940376839
SNP_P1_124426_5806487	NC_021166.1	Ca_kabuli_chr07	5806487	TT	CC	1940376841
SNP_P1_124427_5806588	NC_021166.1	Ca_kabuli_chr07	5806588	TT	CC	1940376843
SNP_P1_124429_5806800	NC_021166.1	Ca_kabuli_chr07	5806800	GG	TT	1940376845
SNP_P1_124430_5806805	NC_021166.1	Ca_kabuli_chr07	5806805	TT	GG	1940376847
SNP_P1_124432_5807297	NC_021166.1	Ca_kabuli_chr07	5807297	TT	AA	1940376848
SNP_P1_124434_5807848	NC_021166.1	Ca_kabuli_chr07	5807848	AA	CC	1940376850
SNP_P1_124435_5809448	NC_021166.1	Ca_kabuli_chr07	5809448	GG	AA	1940376852
SNP_P1_124437_5810222	NC_021166.1	Ca_kabuli_chr07	5810222	GG	CC	1940376853
SNP_P1_124438_5810315	NC_021166.1	Ca_kabuli_chr07	5810315	CC	TT	1940376855
SNP_P1_124439_5810367	NC_021166.1	Ca_kabuli_chr07	5810367	GG	AA	1940376857
SNP_P1_124440_5811097	NC_021166.1	Ca_kabuli_chr07	5811097	AA	GG	1940376859
SNP_P1_124441_5811111	NC_021166.1	Ca_kabuli_chr07	5811111	TT	AA	1940376860
SNP_P1_124442_5811143	NC_021166.1	Ca_kabuli_chr07	5811143	GG	TT	1940376862
SNP_P1_124443_5811165	NC_021166.1	Ca_kabuli_chr07	5811165	AA	CC	1940376864
SNP_P1_124444_5813860	NC_021166.1	Ca_kabuli_chr07	5813860	CC	TT	1940376866
SNP_P1_124445_5813885	NC_021166.1	Ca_kabuli_chr07	5813885	TT	CC	1940376867
SNP_P1_124446_5814490	NC_021166.1	Ca_kabuli_chr07	5814490	GG	AA	1940376869
SNP_P1_124448_5817057	NC_021166.1	Ca_kabuli_chr07	5817057	CC	GG	1940376871
SNP_P1_124449_5817100	NC_021166.1	Ca_kabuli_chr07	5817100	AA	GG	1940376873
SNP_P1_124450_5817354	NC_021166.1	Ca_kabuli_chr07	5817354	CC	AA	1940376874
SNP_P1_124452_5818297	NC_021166.1	Ca_kabuli_chr07	5818297	AA	CC	1940376876
SNP_P1_124453_5818349	NC_021166.1	Ca_kabuli_chr07	5818349	CC	TT	1940376878
SNP_P1_124454_5818595	NC_021166.1	Ca_kabuli_chr07	5818595	AA	GG	1940376880
SNP_P1_124455_5818610	NC_021166.1	Ca_kabuli_chr07	5818610	CC	TT	1940376881
SNP_P1_124456_5819129	NC_021166.1	Ca_kabuli_chr07	5819129	GG	AA	1940376883
SNP_P1_124457_5820248	NC_021166.1	Ca_kabuli_chr07	5820248	TT	CC	1940376885
SNP_P1_124458_5820281	NC_021166.1	Ca_kabuli_chr07	5820281	GG	AA	1940376887
SNP_P1_124459_5820302	NC_021166.1	Ca_kabuli_chr07	5820302	AA	TT	1940376888
SNP_P1_124460_5820303	NC_021166.1	Ca_kabuli_chr07	5820303	TT	GG	1940376890
SNP_P1_124464_5820738	NC_021166.1	Ca_kabuli_chr07	5820738	GG	CC	1940376892
SNP_P1_124465_5821923	NC_021166.1	Ca_kabuli_chr07	5821923	AA	CC	1940376894
SNP_P1_124466_5822482	NC_021166.1	Ca_kabuli_chr07	5822482	CC	TT	1940376895
SNP_P1_124467_5822812	NC_021166.1	Ca_kabuli_chr07	5822812	CC	TT	1940376897
SNP_P1_124468_5822858	NC_021166.1	Ca_kabuli_chr07	5822858	GG	TT	1940376899
SNP_P1_124469_5824834	NC_021166.1	Ca_kabuli_chr07	5824834	AA	GG	1940376901
SNP_P1_124470_5824849	NC_021166.1	Ca_kabuli_chr07	5824849	GG	AA	1940376902

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124473_5827537	NC_021166.1	Ca_kabuli_chr07	5827537	GG	AA	1940376908
SNP_P1_124474_5827580	NC_021166.1	Ca_kabuli_chr07	5827580	GG	AA	1940376910
SNP_P1_124475_5827729	NC_021166.1	Ca_kabuli_chr07	5827729	AA	TT	1940376911
SNP_P1_124476_5827750	NC_021166.1	Ca_kabuli_chr07	5827750	AA	GG	1940376913
SNP_P1_124477_5827752	NC_021166.1	Ca_kabuli_chr07	5827752	AA	TT	1940376915
SNP_P1_124478_5827780	NC_021166.1	Ca_kabuli_chr07	5827780	AA	GG	1940376917
SNP_P1_124479_5827859	NC_021166.1	Ca_kabuli_chr07	5827859	TT	CC	1940376918
SNP_P1_124480_5827890	NC_021166.1	Ca_kabuli_chr07	5827890	TT	CC	1940376920
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SNP_P1_124484_5828025	NC_021166.1	Ca_kabuli_chr07	5828025	CC	TT	1940376927
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SNP_P1_124486_5828040	NC_021166.1	Ca_kabuli_chr07	5828040	TT	CC	1940376931
SNP_P1_124487_5828045	NC_021166.1	Ca_kabuli_chr07	5828045	CC	TT	1940376932
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SNP_P1_124503_5838309	NC_021166.1	Ca_kabuli_chr07	5838309	GG	AA	1940376957
SNP_P1_124504_5838347	NC_021166.1	Ca_kabuli_chr07	5838347	AA	TT	1940376959
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SNP_P1_124508_5838532	NC_021166.1	Ca_kabuli_chr07	5838532	GG	AA	1940376966
SNP_P1_124509_5838751	NC_021166.1	Ca_kabuli_chr07	5838751	CC	TT	1940376968
SNP_P1_124510_5838773	NC_021166.1	Ca_kabuli_chr07	5838773	AA	CC	1940376969
SNP_P1_124511_5838783	NC_021166.1	Ca_kabuli_chr07	5838783	GG	TT	1940376971
SNP_P1_124512_5838793	NC_021166.1	Ca_kabuli_chr07	5838793	AA	TT	1940376973
SNP_P1_124513_5838969	NC_021166.1	Ca_kabuli_chr07	5838969	GG	AA	1940376975
SNP_P1_124514_5839190	NC_021166.1	Ca_kabuli_chr07	5839190	AA	GG	1940376976

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124517_5839950	NC_021166.1	Ca_kabuli_chr07	5839950	AA	CC	1940376982
SNP_P1_124518_5841207	NC_021166.1	Ca_kabuli_chr07	5841207	CC	TT	1940376983
SNP_P1_124519_5841830	NC_021166.1	Ca_kabuli_chr07	5841830	TT	GG	1940376985
SNP_P1_124522_5842487	NC_021166.1	Ca_kabuli_chr07	5842487	GG	TT	1940376987
SNP_P1_124523_5842506	NC_021166.1	Ca_kabuli_chr07	5842506	CC	AA	1940376989
SNP_P1_124525_5842567	NC_021166.1	Ca_kabuli_chr07	5842567	TT	AA	1940376990
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SNP_P1_124527_5842726	NC_021166.1	Ca_kabuli_chr07	5842726	TT	CC	1940376994
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SNP_P1_124533_5843664	NC_021166.1	Ca_kabuli_chr07	5843664	TT	AA	1940377001
SNP_P1_124534_5843911	NC_021166.1	Ca_kabuli_chr07	5843911	TT	AA	1940377003
SNP_P1_124535_5843932	NC_021166.1	Ca_kabuli_chr07	5843932	GG	AA	1940377004
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SNP_P1_124539_5844267	NC_021166.1	Ca_kabuli_chr07	5844267	CC	AA	1940377011
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SNP_P1_124541_5844310	NC_021166.1	Ca_kabuli_chr07	5844310	GG	AA	1940377015
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SNP_P1_124551_5848823	NC_021166.1	Ca_kabuli_chr07	5848823	CC	TT	1940377031
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SNP_P1_124553_5850341	NC_021166.1	Ca_kabuli_chr07	5850341	AA	GG	1940377034
SNP_P1_124554_5850383	NC_021166.1	Ca_kabuli_chr07	5850383	GG	TT	1940377036
SNP_P1_124555_5850485	NC_021166.1	Ca_kabuli_chr07	5850485	GG	AA	1940377038
SNP_P1_124556_5850504	NC_021166.1	Ca_kabuli_chr07	5850504	CC	TT	1940377040
SNP_P1_124557_5850658	NC_021166.1	Ca_kabuli_chr07	5850658	AA	GG	1940377041
SNP_P1_124558_5850846	NC_021166.1	Ca_kabuli_chr07	5850846	TT	CC	1940377043
SNP_P1_124560_5851879	NC_021166.1	Ca_kabuli_chr07	5851879	AA	GG	1940377045
SNP_P1_124561_5851904	NC_021166.1	Ca_kabuli_chr07	5851904	CC	TT	1940377047
SNP_P1_124563_5852297	NC_021166.1	Ca_kabuli_chr07	5852297	AA	GG	1940377048
SNP_P1_124564_5852377	NC_021166.1	Ca_kabuli_chr07	5852377	TT	CC	1940377050

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_124566_5852978	NC_021166.1	Ca_kabuli_chr07	5852978	AA	GG	1940377052
SNP_P1_124567_5856954	NC_021166.1	Ca_kabuli_chr07	5856954	AA	GG	1940377054
SNP_P1_124568_5857073	NC_021166.1	Ca_kabuli_chr07	5857073	AA	GG	1940377055
SNP_P1_124569_5857146	NC_021166.1	Ca_kabuli_chr07	5857146	GG	TT	1940377057
SNP_P1_124571_5858513	NC_021166.1	Ca_kabuli_chr07	5858513	CC	TT	1940377059
SNP_P1_124572_5858601	NC_021166.1	Ca_kabuli_chr07	5858601	TT	CC	1940377061
SNP_P1_124575_5858844	NC_021166.1	Ca_kabuli_chr07	5858844	AA	TT	1940377062
SNP_P1_124576_5859705	NC_021166.1	Ca_kabuli_chr07	5859705	AA	GG	1940377064
SNP_P1_124577_5859725	NC_021166.1	Ca_kabuli_chr07	5859725	AA	CC	1940377066
SNP_P1_124578_5860139	NC_021166.1	Ca_kabuli_chr07	5860139	TT	CC	1940377068
SNP_P1_124579_5861237	NC_021166.1	Ca_kabuli_chr07	5861237	CC	TT	1940377070
SNP_P1_124580_5861308	NC_021166.1	Ca_kabuli_chr07	5861308	TT	GG	1940377071
SNP_P1_124581_5865751	NC_021166.1	Ca_kabuli_chr07	5865751	TT	AA	1940377073
SNP_P1_124582_5866195	NC_021166.1	Ca_kabuli_chr07	5866195	GG	TT	1940377075
SNP_P1_124583_5866831	NC_021166.1	Ca_kabuli_chr07	5866831	GG	AA	1940377077
SNP_P1_124586_5869227	NC_021166.1	Ca_kabuli_chr07	5869227	GG	AA	1940377078
SNP_P1_124587_5869234	NC_021166.1	Ca_kabuli_chr07	5869234	CC	TT	1940377080
SNP_P1_124588_5869247	NC_021166.1	Ca_kabuli_chr07	5869247	CC	TT	1940377082
SNP_P1_124589_5869251	NC_021166.1	Ca_kabuli_chr07	5869251	TT	AA	1940377084
SNP_P1_124590_5869383	NC_021166.1	Ca_kabuli_chr07	5869383	CC	GG	1940377085
SNP_P1_124591_5869429	NC_021166.1	Ca_kabuli_chr07	5869429	GG	TT	1940377087
SNP_P1_124592_5869550	NC_021166.1	Ca_kabuli_chr07	5869550	AA	GG	1940377089
SNP_P1_124593_5869561	NC_021166.1	Ca_kabuli_chr07	5869561	GG	CC	1940377091
SNP_P1_124594_5869587	NC_021166.1	Ca_kabuli_chr07	5869587	TT	CC	1940377092
SNP_P1_124595_5870471	NC_021166.1	Ca_kabuli_chr07	5870471	CC	TT	1940377094
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SNP_P1_124597_5870507	NC_021166.1	Ca_kabuli_chr07	5870507	TT	GG	1940377098
SNP_P1_124598_5870512	NC_021166.1	Ca_kabuli_chr07	5870512	GG	AA	1940377099
SNP_P1_124599_5870867	NC_021166.1	Ca_kabuli_chr07	5870867	GG	CC	1940377101
SNP_P1_124600_5870876	NC_021166.1	Ca_kabuli_chr07	5870876	TT	AA	1940377103
SNP_P1_124602_5871597	NC_021166.1	Ca_kabuli_chr07	5871597	GG	AA	1940377105
SNP_P1_124603_5871659	NC_021166.1	Ca_kabuli_chr07	5871659	TT	CC	1940377106
SNP_P1_124604_5871660	NC_021166.1	Ca_kabuli_chr07	5871660	GG	AA	1940377108
SNP_P1_124607_5872074	NC_021166.1	Ca_kabuli_chr07	5872074	CC	TT	1940377110
SNP_P1_124608_5872077	NC_021166.1	Ca_kabuli_chr07	5872077	TT	AA	1940377112
SNP_P1_124609_5872081	NC_021166.1	Ca_kabuli_chr07	5872081	AA	TT	1940377113
SNP_P1_124610_5872105	NC_021166.1	Ca_kabuli_chr07	5872105	CC	TT	1940377115
SNP_P1_124611_5872122	NC_021166.1	Ca_kabuli_chr07	5872122	CC	TT	1940377117
SNP_P1_124612_5872241	NC_021166.1	Ca_kabuli_chr07	5872241	AA	GG	1940377119
SNP_P1_124613_5872272	NC_021166.1	Ca_kabuli_chr07	5872272	AA	GG	1940377120
SNP_P1_124614_5872376	NC_021166.1	Ca_kabuli_chr07	5872376	AA	TT	1940377122
SNP_P1_124615_5872380	NC_021166.1	Ca_kabuli_chr07	5872380	TT	CC	1940377124

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124618_5872806	NC_021166.1	Ca_kabuli_chr07	5872806	TT	AA	1940377127
SNP_P1_124619_5872872	NC_021166.1	Ca_kabuli_chr07	5872872	GG	AA	1940377129
SNP_P1_124620_5872882	NC_021166.1	Ca_kabuli_chr07	5872882	AA	CC	1940377131
SNP_P1_124621_5872895	NC_021166.1	Ca_kabuli_chr07	5872895	GG	AA	1940377133
SNP_P1_124622_5872941	NC_021166.1	Ca_kabuli_chr07	5872941	CC	TT	1940377135
SNP_P1_124624_5873153	NC_021166.1	Ca_kabuli_chr07	5873153	TT	CC	1940377136
SNP_P1_124625_5873189	NC_021166.1	Ca_kabuli_chr07	5873189	GG	CC	1940377138
SNP_P1_124626_5873199	NC_021166.1	Ca_kabuli_chr07	5873199	AA	GG	1940377140
SNP_P1_124627_5873216	NC_021166.1	Ca_kabuli_chr07	5873216	GG	AA	1940377142
SNP_P1_124628_5874001	NC_021166.1	Ca_kabuli_chr07	5874001	GG	CC	1940377143
SNP_P1_124629_5874275	NC_021166.1	Ca_kabuli_chr07	5874275	CC	AA	1940377145
SNP_P1_124630_5874285	NC_021166.1	Ca_kabuli_chr07	5874285	AA	GG	1940377147
SNP_P1_124631_5874294	NC_021166.1	Ca_kabuli_chr07	5874294	AA	TT	1940377149
SNP_P1_124633_5874389	NC_021166.1	Ca_kabuli_chr07	5874389	AA	TT	1940377150
SNP_P1_124634_5874403	NC_021166.1	Ca_kabuli_chr07	5874403	CC	AA	1940377152
SNP_P1_124635_5874408	NC_021166.1	Ca_kabuli_chr07	5874408	CC	TT	1940377154
SNP_P1_124636_5874610	NC_021166.1	Ca_kabuli_chr07	5874610	TT	CC	1940377156
SNP_P1_124637_5874622	NC_021166.1	Ca_kabuli_chr07	5874622	CC	TT	1940377157
SNP_P1_124638_5874638	NC_021166.1	Ca_kabuli_chr07	5874638	GG	TT	1940377159
SNP_P1_124641_5875001	NC_021166.1	Ca_kabuli_chr07	5875001	AA	TT	1940377161
SNP_P1_124642_5875004	NC_021166.1	Ca_kabuli_chr07	5875004	CC	GG	1940377163
SNP_P1_124643_5875012	NC_021166.1	Ca_kabuli_chr07	5875012	AA	GG	1940377164
SNP_P1_124644_5875266	NC_021166.1	Ca_kabuli_chr07	5875266	TT	CC	1940377166
SNP_P1_124647_5875331	NC_021166.1	Ca_kabuli_chr07	5875331	TT	GG	1940377168
SNP_P1_124648_5876025	NC_021166.1	Ca_kabuli_chr07	5876025	GG	TT	1940377170
SNP_P1_124649_5876256	NC_021166.1	Ca_kabuli_chr07	5876256	GG	AA	1940377171
SNP_P1_124650_5877837	NC_021166.1	Ca_kabuli_chr07	5877837	TT	AA	1940377173
SNP_P1_124651_5878099	NC_021166.1	Ca_kabuli_chr07	5878099	TT	AA	1940377175
SNP_P1_124652_5878102	NC_021166.1	Ca_kabuli_chr07	5878102	TT	CC	1940377177
SNP_P1_124653_5878136	NC_021166.1	Ca_kabuli_chr07	5878136	TT	AA	1940377178
SNP_P1_124654_5878141	NC_021166.1	Ca_kabuli_chr07	5878141	CC	TT	1940377180
SNP_P1_124655_5878142	NC_021166.1	Ca_kabuli_chr07	5878142	AA	GG	1940377182
SNP_P1_124656_5879660	NC_021166.1	Ca_kabuli_chr07	5879660	TT	GG	1940377184
SNP_P1_124657_5879736	NC_021166.1	Ca_kabuli_chr07	5879736	CC	TT	1940377185
SNP_P1_124658_5880417	NC_021166.1	Ca_kabuli_chr07	5880417	CC	TT	1940377187
SNP_P1_124659_5881512	NC_021166.1	Ca_kabuli_chr07	5881512	AA	GG	1940377189
SNP_P1_124660_5881576	NC_021166.1	Ca_kabuli_chr07	5881576	CC	GG	1940377191
SNP_P1_124661_5881589	NC_021166.1	Ca_kabuli_chr07	5881589	GG	AA	1940377192
SNP_P1_124662_5881942	NC_021166.1	Ca_kabuli_chr07	5881942	AA	GG	1940377194
SNP_P1_124663_5881951	NC_021166.1	Ca_kabuli_chr07	5881951	TT	CC	1940377196
SNP_P1_124664_5881959	NC_021166.1	Ca_kabuli_chr07	5881959	AA	GG	1940377198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124666_5882974	NC_021166.1	Ca_kabuli_chr07	5882974	TT	CC	1940377201
SNP_P1_124667_5883173	NC_021166.1	Ca_kabuli_chr07	5883173	TT	AA	1940377203
SNP_P1_124669_5884725	NC_021166.1	Ca_kabuli_chr07	5884725	AA	GG	1940377205
SNP_P1_124672_5886546	NC_021166.1	Ca_kabuli_chr07	5886546	GG	AA	1940377207
SNP_P1_124675_5887011	NC_021166.1	Ca_kabuli_chr07	5887011	AA	TT	1940377208
SNP_P1_124676_5887241	NC_021166.1	Ca_kabuli_chr07	5887241	TT	GG	1940377210
SNP_P1_124677_5887248	NC_021166.1	Ca_kabuli_chr07	5887248	AA	TT	1940377212
SNP_P1_124678_5887345	NC_021166.1	Ca_kabuli_chr07	5887345	TT	CC	1940377214
SNP_P1_124679_5887541	NC_021166.1	Ca_kabuli_chr07	5887541	TT	AA	1940377215
SNP_P1_124680_5887607	NC_021166.1	Ca_kabuli_chr07	5887607	AA	GG	1940377217
SNP_P1_124681_5888561	NC_021166.1	Ca_kabuli_chr07	5888561	AA	TT	1940377219
SNP_P1_124682_5888566	NC_021166.1	Ca_kabuli_chr07	5888566	AA	GG	1940377221
SNP_P1_124683_5888757	NC_021166.1	Ca_kabuli_chr07	5888757	AA	CC	1940377222
SNP_P1_124684_5888838	NC_021166.1	Ca_kabuli_chr07	5888838	AA	GG	1940377224
SNP_P1_124685_5888887	NC_021166.1	Ca_kabuli_chr07	5888887	GG	AA	1940377226
SNP_P1_124686_5889087	NC_021166.1	Ca_kabuli_chr07	5889087	AA	CC	1940377228
SNP_P1_124688_5889257	NC_021166.1	Ca_kabuli_chr07	5889257	AA	GG	1940377229
SNP_P1_124689_5889274	NC_021166.1	Ca_kabuli_chr07	5889274	AA	TT	1940377231
SNP_P1_124690_5889288	NC_021166.1	Ca_kabuli_chr07	5889288	GG	TT	1940377233
SNP_P1_124691_5889293	NC_021166.1	Ca_kabuli_chr07	5889293	TT	CC	1940377235
SNP_P1_124692_5889361	NC_021166.1	Ca_kabuli_chr07	5889361	AA	GG	1940377236
SNP_P1_124693_5889363	NC_021166.1	Ca_kabuli_chr07	5889363	TT	CC	1940377238
SNP_P1_124694_5889405	NC_021166.1	Ca_kabuli_chr07	5889405	TT	GG	1940377240
SNP_P1_124695_5889426	NC_021166.1	Ca_kabuli_chr07	5889426	TT	CC	1940377242
SNP_P1_124697_5889887	NC_021166.1	Ca_kabuli_chr07	5889887	AA	TT	1940377244
SNP_P1_124698_5889934	NC_021166.1	Ca_kabuli_chr07	5889934	AA	CC	1940377246
SNP_P1_124699_5889955	NC_021166.1	Ca_kabuli_chr07	5889955	GG	AA	1940377247
SNP_P1_124700_5890074	NC_021166.1	Ca_kabuli_chr07	5890074	TT	AA	1940377249
SNP_P1_124702_5890294	NC_021166.1	Ca_kabuli_chr07	5890294	AA	GG	1940377251
SNP_P1_124704_5890427	NC_021166.1	Ca_kabuli_chr07	5890427	TT	CC	1940377253
SNP_P1_124705_5890611	NC_021166.1	Ca_kabuli_chr07	5890611	TT	AA	1940377254
SNP_P1_124707_5891468	NC_021166.1	Ca_kabuli_chr07	5891468	TT	AA	1940377256
SNP_P1_124708_5891722	NC_021166.1	Ca_kabuli_chr07	5891722	AA	CC	1940377258
SNP_P1_124709_5891760	NC_021166.1	Ca_kabuli_chr07	5891760	AA	GG	1940377260
SNP_P1_124710_5891850	NC_021166.1	Ca_kabuli_chr07	5891850	GG	TT	1940377261
SNP_P1_124714_5894405	NC_021166.1	Ca_kabuli_chr07	5894405	CC	TT	1940377263
SNP_P1_124716_5894666	NC_021166.1	Ca_kabuli_chr07	5894666	TT	AA	1940377265
SNP_P1_124717_5894679	NC_021166.1	Ca_kabuli_chr07	5894679	CC	TT	1940377267
SNP_P1_124719_5894767	NC_021166.1	Ca_kabuli_chr07	5894767	TT	CC	1940377268
SNP_P1_124721_5894993	NC_021166.1	Ca_kabuli_chr07	5894993	TT	CC	1940377270
SNP_P1_124724_5895934	NC_021166.1	Ca_kabuli_chr07	5895934	TT	AA	1940377272

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_124726_5897240	NC_021166.1	Ca_kabuli_chr07	5897240	AA	TT	1940377274
SNP_P1_124727_5897324	NC_021166.1	Ca_kabuli_chr07	5897324	CC	TT	1940377275
SNP_P1_124728_5897583	NC_021166.1	Ca_kabuli_chr07	5897583	AA	TT	1940377277
SNP_P1_124731_5899936	NC_021166.1	Ca_kabuli_chr07	5899936	CC	TT	1940377279
SNP_P1_124732_5899978	NC_021166.1	Ca_kabuli_chr07	5899978	AA	GG	1940377281
SNP_P1_124733_5899982	NC_021166.1	Ca_kabuli_chr07	5899982	AA	GG	1940377282
SNP_P1_124734_5900306	NC_021166.1	Ca_kabuli_chr07	5900306	CC	TT	1940377284
SNP_P1_124735_5900691	NC_021166.1	Ca_kabuli_chr07	5900691	GG	AA	1940377286
SNP_P1_124737_5900839	NC_021166.1	Ca_kabuli_chr07	5900839	CC	TT	1940377288
SNP_P1_124738_5900840	NC_021166.1	Ca_kabuli_chr07	5900840	CC	GG	1940377289
SNP_P1_124739_5900899	NC_021166.1	Ca_kabuli_chr07	5900899	CC	TT	1940377291
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SNP_P1_124744_5901083	NC_021166.1	Ca_kabuli_chr07	5901083	GG	AA	1940377298
SNP_P1_124745_5901834	NC_021166.1	Ca_kabuli_chr07	5901834	TT	GG	1940377300
SNP_P1_124746_5901919	NC_021166.1	Ca_kabuli_chr07	5901919	GG	AA	1940377302
SNP_P1_124747_5902152	NC_021166.1	Ca_kabuli_chr07	5902152	GG	AA	1940377303
SNP_P1_124748_5902227	NC_021166.1	Ca_kabuli_chr07	5902227	CC	TT	1940377305
SNP_P1_124749_5902251	NC_021166.1	Ca_kabuli_chr07	5902251	TT	CC	1940377307
SNP_P1_124750_5902289	NC_021166.1	Ca_kabuli_chr07	5902289	TT	CC	1940377309
SNP_P1_124751_5902305	NC_021166.1	Ca_kabuli_chr07	5902305	AA	TT	1940377311
SNP_P1_124752_5902316	NC_021166.1	Ca_kabuli_chr07	5902316	GG	AA	1940377312
SNP_P1_124753_5902445	NC_021166.1	Ca_kabuli_chr07	5902445	AA	CC	1940377314
SNP_P1_124755_5904061	NC_021166.1	Ca_kabuli_chr07	5904061	AA	GG	1940377316
SNP_P1_124756_5904165	NC_021166.1	Ca_kabuli_chr07	5904165	CC	TT	1940377318
SNP_P1_124757_5904169	NC_021166.1	Ca_kabuli_chr07	5904169	AA	GG	1940377319
SNP_P1_124758_5904276	NC_021166.1	Ca_kabuli_chr07	5904276	GG	TT	1940377321
SNP_P1_124759_5904280	NC_021166.1	Ca_kabuli_chr07	5904280	GG	AA	1940377323
SNP_P1_124762_5904582	NC_021166.1	Ca_kabuli_chr07	5904582	TT	AA	1940377325
SNP_P1_124763_5906849	NC_021166.1	Ca_kabuli_chr07	5906849	TT	CC	1940377326
SNP_P1_124765_5907578	NC_021166.1	Ca_kabuli_chr07	5907578	CC	GG	1940377328
SNP_P1_124766_5907654	NC_021166.1	Ca_kabuli_chr07	5907654	AA	CC	1940377330
SNP_P1_124769_5908823	NC_021166.1	Ca_kabuli_chr07	5908823	AA	TT	1940377332
SNP_P1_124770_5909650	NC_021166.1	Ca_kabuli_chr07	5909650	CC	GG	1940377333
SNP_P1_124771_5909659	NC_021166.1	Ca_kabuli_chr07	5909659	AA	GG	1940377335
SNP_P1_124772_5909726	NC_021166.1	Ca_kabuli_chr07	5909726	CC	GG	1940377337
SNP_P1_124773_5910175	NC_021166.1	Ca_kabuli_chr07	5910175	AA	CC	1940377339
SNP_P1_124775_5910358	NC_021166.1	Ca_kabuli_chr07	5910358	TT	GG	1940377340
SNP_P1_124777_5911229	NC_021166.1	Ca_kabuli_chr07	5911229	CC	AA	1940377342
SNP_P1_124778_5911930	NC_021166.1	Ca_kabuli_chr07	5911930	AA	GG	1940377344
SNP_P1_124779_5911970	NC_021166.1	Ca_kabuli_chr07	5911970	AA	CC	1940377346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124781_5911987	NC_021166.1	Ca_kabuli_chr07	5911987	GG	AA	1940377349
SNP_P1_124782_5912019	NC_021166.1	Ca_kabuli_chr07	5912019	TT	AA	1940377351
SNP_P1_124783_5912183	NC_021166.1	Ca_kabuli_chr07	5912183	TT	GG	1940377353
SNP_P1_124784_5912244	NC_021166.1	Ca_kabuli_chr07	5912244	TT	CC	1940377354
SNP_P1_124785_5912633	NC_021166.1	Ca_kabuli_chr07	5912633	TT	CC	1940377356
SNP_P1_124786_5912966	NC_021166.1	Ca_kabuli_chr07	5912966	GG	AA	1940377358
SNP_P1_124787_5912967	NC_021166.1	Ca_kabuli_chr07	5912967	CC	AA	1940377360
SNP_P1_124788_5912969	NC_021166.1	Ca_kabuli_chr07	5912969	TT	AA	1940377361
SNP_P1_124789_5914248	NC_021166.1	Ca_kabuli_chr07	5914248	CC	TT	1940377363
SNP_P1_124790_5914266	NC_021166.1	Ca_kabuli_chr07	5914266	CC	TT	1940377365
SNP_P1_124791_5914274	NC_021166.1	Ca_kabuli_chr07	5914274	AA	CC	1940377367
SNP_P1_124792_5914283	NC_021166.1	Ca_kabuli_chr07	5914283	AA	GG	1940377369
SNP_P1_124793_5915323	NC_021166.1	Ca_kabuli_chr07	5915323	GG	CC	1940377370
SNP_P1_124795_5917508	NC_021166.1	Ca_kabuli_chr07	5917508	CC	AA	1940377372
SNP_P1_124796_5917537	NC_021166.1	Ca_kabuli_chr07	5917537	TT	AA	1940377374
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SNP_P1_124798_5917667	NC_021166.1	Ca_kabuli_chr07	5917667	CC	TT	1940377377
SNP_P1_124799_5917686	NC_021166.1	Ca_kabuli_chr07	5917686	TT	CC	1940377379
SNP_P1_124800_5917701	NC_021166.1	Ca_kabuli_chr07	5917701	AA	GG	1940377381
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SNP_P1_124804_5919488	NC_021166.1	Ca_kabuli_chr07	5919488	AA	TT	1940377388
SNP_P1_124805_5919518	NC_021166.1	Ca_kabuli_chr07	5919518	TT	AA	1940377390
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SNP_P1_124809_5932415	NC_021166.1	Ca_kabuli_chr07	5932415	CC	TT	1940377395
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SNP_P1_124816_5935998	NC_021166.1	Ca_kabuli_chr07	5935998	AA	GG	1940377402
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SNP_P1_124821_5936715	NC_021166.1	Ca_kabuli_chr07	5936715	AA	GG	1940377409
SNP_P1_124822_5936765	NC_021166.1	Ca_kabuli_chr07	5936765	AA	GG	1940377411
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SNP_P1_124825_5936939	NC_021166.1	Ca_kabuli_chr07	5936939	GG	AA	1940377414
SNP_P1_124826_5936978	NC_021166.1	Ca_kabuli_chr07	5936978	GG	AA	1940377416
SNP_P1_124827_5937134	NC_021166.1	Ca_kabuli_chr07	5937134	TT	CC	1940377418
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124831_5937285	NC_021166.1	Ca_kabuli_chr07	5937285	CC	TT	1940377425
SNP_P1_124832_5937314	NC_021166.1	Ca_kabuli_chr07	5937314	AA	GG	1940377427
SNP_P1_124833_5937336	NC_021166.1	Ca_kabuli_chr07	5937336	TT	AA	1940377428
SNP_P1_124834_5937372	NC_021166.1	Ca_kabuli_chr07	5937372	CC	TT	1940377430
SNP_P1_124835_5937478	NC_021166.1	Ca_kabuli_chr07	5937478	GG	AA	1940377432
SNP_P1_124836_5937498	NC_021166.1	Ca_kabuli_chr07	5937498	CC	AA	1940377434
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SNP_P1_124840_5937634	NC_021166.1	Ca_kabuli_chr07	5937634	AA	GG	1940377439
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SNP_P1_124867_5938287	NC_021166.1	Ca_kabuli_chr07	5938287	AA	GG	1940377483
SNP_P1_124868_5938323	NC_021166.1	Ca_kabuli_chr07	5938323	CC	AA	1940377485
SNP_P1_124869_5940324	NC_021166.1	Ca_kabuli_chr07	5940324	CC	TT	1940377486
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SNP_P1_124871_5940619	NC_021166.1	Ca_kabuli_chr07	5940619	AA	GG	1940377490
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SNP_P1_124873_5940626	NC_021166.1	Ca_kabuli_chr07	5940626	GG	AA	1940377493

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124879_5944125	NC_021166.1	Ca_kabuli_chr07	5944125	GG	TT	1940377499
SNP_P1_124880_5944461	NC_021166.1	Ca_kabuli_chr07	5944461	CC	TT	1940377500
SNP_P1_124882_5945024	NC_021166.1	Ca_kabuli_chr07	5945024	TT	GG	1940377502
SNP_P1_124884_5949285	NC_021166.1	Ca_kabuli_chr07	5949285	AA	GG	1940377504
SNP_P1_124885_5949307	NC_021166.1	Ca_kabuli_chr07	5949307	CC	AA	1940377506
SNP_P1_124886_5951881	NC_021166.1	Ca_kabuli_chr07	5951881	TT	CC	1940377508
SNP_P1_124887_5951885	NC_021166.1	Ca_kabuli_chr07	5951885	TT	GG	1940377509
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SNP_P1_124911_5959162	NC_021166.1	Ca_kabuli_chr07	5959162	GG	AA	1940377545
SNP_P1_124912_5959832	NC_021166.1	Ca_kabuli_chr07	5959832	AA	GG	1940377547
SNP_P1_124913_5959856	NC_021166.1	Ca_kabuli_chr07	5959856	TT	CC	1940377548
SNP_P1_124914_5959872	NC_021166.1	Ca_kabuli_chr07	5959872	TT	CC	1940377550
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SNP_P1_124917_5960152	NC_021166.1	Ca_kabuli_chr07	5960152	TT	CC	1940377555
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SNP_P1_124922_5960719	NC_021166.1	Ca_kabuli_chr07	5960719	AA	GG	1940377564
SNP_P1_124923_5962496	NC_021166.1	Ca_kabuli_chr07	5962496	TT	CC	1940377566
SNP_P1_124925_5962789	NC_021166.1	Ca_kabuli_chr07	5962789	AA	GG	1940377568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124928_5963485	NC_021166.1	Ca_kabuli_chr07	5963485	CC	TT	1940377573
SNP_P1_124929_5963534	NC_021166.1	Ca_kabuli_chr07	5963534	CC	GG	1940377575
SNP_P1_124930_5963550	NC_021166.1	Ca_kabuli_chr07	5963550	CC	AA	1940377576
SNP_P1_124931_5963611	NC_021166.1	Ca_kabuli_chr07	5963611	CC	GG	1940377578
SNP_P1_124933_5975441	NC_021166.1	Ca_kabuli_chr07	5975441	GG	AA	1940377580
SNP_P1_124934_5975492	NC_021166.1	Ca_kabuli_chr07	5975492	GG	AA	1940377582
SNP_P1_124935_5975817	NC_021166.1	Ca_kabuli_chr07	5975817	AA	GG	1940377583
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SNP_P1_124945_5976936	NC_021166.1	Ca_kabuli_chr07	5976936	AA	GG	1940377599
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SNP_P1_124962_5983905	NC_021166.1	Ca_kabuli_chr07	5983905	TT	CC	1940377622
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SNP_P1_124973_5995050	NC_021166.1	Ca_kabuli_chr07	5995050	GG	TT	1940377638
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SNP_P1_124976_5996156	NC_021166.1	Ca_kabuli_chr07	5996156	CC	TT	1940377642

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_124980_5997063	NC_021166.1	Ca_kabuli_chr07	5997063	TT	CC	1940377649
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SNP_P1_124998_6000222	NC_021166.1	Ca_kabuli_chr07	6000222	TT	CC	1940377680
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SNP_P1_125001_6000952	NC_021166.1	Ca_kabuli_chr07	6000952	CC	TT	1940377684
SNP_P1_125002_6000960	NC_021166.1	Ca_kabuli_chr07	6000960	AA	TT	1940377686
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SNP_P1_125007_6001125	NC_021166.1	Ca_kabuli_chr07	6001125	AA	GG	1940377693
SNP_P1_125008_6001216	NC_021166.1	Ca_kabuli_chr07	6001216	TT	CC	1940377694
SNP_P1_125009_6001241	NC_021166.1	Ca_kabuli_chr07	6001241	GG	TT	1940377696
SNP_P1_125010_6001378	NC_021166.1	Ca_kabuli_chr07	6001378	AA	GG	1940377698
SNP_P1_125011_6001401	NC_021166.1	Ca_kabuli_chr07	6001401	CC	TT	1940377700
SNP_P1_125012_6001408	NC_021166.1	Ca_kabuli_chr07	6001408	AA	GG	1940377701
SNP_P1_125013_6001425	NC_021166.1	Ca_kabuli_chr07	6001425	TT	CC	1940377703
SNP_P1_125014_6001428	NC_021166.1	Ca_kabuli_chr07	6001428	AA	GG	1940377705
SNP_P1_125015_6001456	NC_021166.1	Ca_kabuli_chr07	6001456	CC	GG	1940377706
SNP_P1_125017_6001917	NC_021166.1	Ca_kabuli_chr07	6001917	GG	AA	1940377708
SNP_P1_125018_6002126	NC_021166.1	Ca_kabuli_chr07	6002126	CC	TT	1940377710
SNP_P1_125019_6002185	NC_021166.1	Ca_kabuli_chr07	6002185	AA	TT	1940377712
SNP_P1_125020_6002367	NC_021166.1	Ca_kabuli_chr07	6002367	AA	GG	1940377713
SNP_P1_125021_6002374	NC_021166.1	Ca_kabuli_chr07	6002374	CC	TT	1940377715

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125023_6004143	NC_021166.1	Ca_kabuli_chr07	6004143	GG	CC	1940377719
SNP_P1_125024_6005516	NC_021166.1	Ca_kabuli_chr07	6005516	CC	TT	1940377720
SNP_P1_125025_6005526	NC_021166.1	Ca_kabuli_chr07	6005526	CC	AA	1940377722
SNP_P1_125026_6005878	NC_021166.1	Ca_kabuli_chr07	6005878	GG	AA	1940377724
SNP_P1_125027_6005909	NC_021166.1	Ca_kabuli_chr07	6005909	GG	AA	1940377726
SNP_P1_125028_6005925	NC_021166.1	Ca_kabuli_chr07	6005925	AA	GG	1940377727
SNP_P1_125029_6005931	NC_021166.1	Ca_kabuli_chr07	6005931	GG	AA	1940377729
SNP_P1_125031_6006167	NC_021166.1	Ca_kabuli_chr07	6006167	AA	GG	1940377731
SNP_P1_125032_6006398	NC_021166.1	Ca_kabuli_chr07	6006398	TT	CC	1940377733
SNP_P1_125033_6006637	NC_021166.1	Ca_kabuli_chr07	6006637	CC	TT	1940377734
SNP_P1_125034_6007315	NC_021166.1	Ca_kabuli_chr07	6007315	GG	TT	1940377736
SNP_P1_125035_6007369	NC_021166.1	Ca_kabuli_chr07	6007369	AA	GG	1940377738
SNP_P1_125036_6008318	NC_021166.1	Ca_kabuli_chr07	6008318	GG	CC	1940377740
SNP_P1_125038_6009736	NC_021166.1	Ca_kabuli_chr07	6009736	CC	AA	1940377741
SNP_P1_125039_6009876	NC_021166.1	Ca_kabuli_chr07	6009876	GG	AA	1940377743
SNP_P1_125041_6010578	NC_021166.1	Ca_kabuli_chr07	6010578	TT	AA	1940377745
SNP_P1_125042_6013330	NC_021166.1	Ca_kabuli_chr07	6013330	TT	AA	1940377747
SNP_P1_125044_6015214	NC_021166.1	Ca_kabuli_chr07	6015214	GG	AA	1940377748
SNP_P1_125045_6015245	NC_021166.1	Ca_kabuli_chr07	6015245	GG	AA	1940377750
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SNP_P1_125047_6015324	NC_021166.1	Ca_kabuli_chr07	6015324	AA	GG	1940377754
SNP_P1_125048_6015335	NC_021166.1	Ca_kabuli_chr07	6015335	GG	AA	1940377755
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SNP_P1_125050_6015397	NC_021166.1	Ca_kabuli_chr07	6015397	CC	TT	1940377759
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SNP_P1_125055_6015859	NC_021166.1	Ca_kabuli_chr07	6015859	AA	TT	1940377766
SNP_P1_125056_6015881	NC_021166.1	Ca_kabuli_chr07	6015881	CC	GG	1940377768
SNP_P1_125058_6016733	NC_021166.1	Ca_kabuli_chr07	6016733	TT	GG	1940377770
SNP_P1_125059_6016737	NC_021166.1	Ca_kabuli_chr07	6016737	AA	TT	1940377771
SNP_P1_125060_6016738	NC_021166.1	Ca_kabuli_chr07	6016738	AA	TT	1940377773
SNP_P1_125061_6016908	NC_021166.1	Ca_kabuli_chr07	6016908	TT	AA	1940377775
SNP_P1_125062_6016909	NC_021166.1	Ca_kabuli_chr07	6016909	GG	AA	1940377776
SNP_P1_125063_6017216	NC_021166.1	Ca_kabuli_chr07	6017216	AA	CC	1940377778
SNP_P1_125065_6017392	NC_021166.1	Ca_kabuli_chr07	6017392	AA	TT	1940377780
SNP_P1_125066_6017396	NC_021166.1	Ca_kabuli_chr07	6017396	TT	GG	1940377782
SNP_P1_125067_6017557	NC_021166.1	Ca_kabuli_chr07	6017557	CC	TT	1940377784
SNP_P1_125069_6018146	NC_021166.1	Ca_kabuli_chr07	6018146	CC	TT	1940377785
SNP_P1_125070_6018182	NC_021166.1	Ca_kabuli_chr07	6018182	GG	AA	1940377787
SNP_P1_125071_6018225	NC_021166.1	Ca_kabuli_chr07	6018225	GG	TT	1940377789

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125074_6018745	NC_021166.1	Ca_kabuli_chr07	6018745	AA	CC	1940377792
SNP_P1_125078_6020722	NC_021166.1	Ca_kabuli_chr07	6020722	AA	CC	1940377794
SNP_P1_125080_6021331	NC_021166.1	Ca_kabuli_chr07	6021331	GG	AA	1940377796
SNP_P1_125081_6021483	NC_021166.1	Ca_kabuli_chr07	6021483	TT	CC	1940377798
SNP_P1_125085_6021928	NC_021166.1	Ca_kabuli_chr07	6021928	AA	CC	1940377799
SNP_P1_125086_6021929	NC_021166.1	Ca_kabuli_chr07	6021929	CC	TT	1940377801
SNP_P1_125087_6021949	NC_021166.1	Ca_kabuli_chr07	6021949	TT	AA	1940377803
SNP_P1_125088_6023001	NC_021166.1	Ca_kabuli_chr07	6023001	AA	TT	1940377805
SNP_P1_125089_6023656	NC_021166.1	Ca_kabuli_chr07	6023656	TT	CC	1940377806
SNP_P1_125090_6023664	NC_021166.1	Ca_kabuli_chr07	6023664	AA	GG	1940377808
SNP_P1_125091_6023666	NC_021166.1	Ca_kabuli_chr07	6023666	TT	CC	1940377810
SNP_P1_125092_6023685	NC_021166.1	Ca_kabuli_chr07	6023685	GG	AA	1940377812
SNP_P1_125094_6023782	NC_021166.1	Ca_kabuli_chr07	6023782	AA	GG	1940377813
SNP_P1_125095_6024476	NC_021166.1	Ca_kabuli_chr07	6024476	TT	CC	1940377815
SNP_P1_125096_6024772	NC_021166.1	Ca_kabuli_chr07	6024772	AA	TT	1940377817
SNP_P1_125098_6024821	NC_021166.1	Ca_kabuli_chr07	6024821	AA	GG	1940377819
SNP_P1_125099_6024890	NC_021166.1	Ca_kabuli_chr07	6024890	TT	CC	1940377820
SNP_P1_125100_6025037	NC_021166.1	Ca_kabuli_chr07	6025037	CC	TT	1940377822
SNP_P1_125101_6025936	NC_021166.1	Ca_kabuli_chr07	6025936	GG	TT	1940377824
SNP_P1_125102_6025937	NC_021166.1	Ca_kabuli_chr07	6025937	GG	AA	1940377826
SNP_P1_125103_6025950	NC_021166.1	Ca_kabuli_chr07	6025950	TT	CC	1940377827
SNP_P1_125104_6028310	NC_021166.1	Ca_kabuli_chr07	6028310	CC	GG	1940377829
SNP_P1_125105_6028640	NC_021166.1	Ca_kabuli_chr07	6028640	CC	AA	1940377831
SNP_P1_125106_6028962	NC_021166.1	Ca_kabuli_chr07	6028962	TT	GG	1940377833
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SNP_P1_125109_6032038	NC_021166.1	Ca_kabuli_chr07	6032038	GG	AA	1940377838
SNP_P1_125110_6032204	NC_021166.1	Ca_kabuli_chr07	6032204	GG	AA	1940377840
SNP_P1_125111_6032341	NC_021166.1	Ca_kabuli_chr07	6032341	GG	AA	1940377842
SNP_P1_125112_6032354	NC_021166.1	Ca_kabuli_chr07	6032354	TT	AA	1940377843
SNP_P1_125113_6032395	NC_021166.1	Ca_kabuli_chr07	6032395	TT	CC	1940377845
SNP_P1_125114_6032678	NC_021166.1	Ca_kabuli_chr07	6032678	TT	AA	1940377847
SNP_P1_125115_6033454	NC_021166.1	Ca_kabuli_chr07	6033454	CC	GG	1940377849
SNP_P1_125116_6033464	NC_021166.1	Ca_kabuli_chr07	6033464	TT	CC	1940377850
SNP_P1_125119_6034177	NC_021166.1	Ca_kabuli_chr07	6034177	AA	GG	1940377852
SNP_P1_125120_6034563	NC_021166.1	Ca_kabuli_chr07	6034563	GG	TT	1940377854
SNP_P1_125122_6035174	NC_021166.1	Ca_kabuli_chr07	6035174	CC	GG	1940377856
SNP_P1_125123_6037444	NC_021166.1	Ca_kabuli_chr07	6037444	TT	AA	1940377857
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SNP_P1_125125_6037488	NC_021166.1	Ca_kabuli_chr07	6037488	CC	TT	1940377861
SNP_P1_125128_6039100	NC_021166.1	Ca_kabuli_chr07	6039100	TT	CC	1940377863

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125131_6040924	NC_021166.1	Ca_kabuli_chr07	6040924	GG	AA	1940377868
SNP_P1_125132_6040981	NC_021166.1	Ca_kabuli_chr07	6040981	TT	CC	1940377870
SNP_P1_125133_6043937	NC_021166.1	Ca_kabuli_chr07	6043937	GG	AA	1940377872
SNP_P1_125134_6044026	NC_021166.1	Ca_kabuli_chr07	6044026	TT	CC	1940377873
SNP_P1_125135_6044033	NC_021166.1	Ca_kabuli_chr07	6044033	AA	GG	1940377875
SNP_P1_125136_6044073	NC_021166.1	Ca_kabuli_chr07	6044073	CC	TT	1940377877
SNP_P1_125137_6044285	NC_021166.1	Ca_kabuli_chr07	6044285	GG	AA	1940377879
SNP_P1_125138_6044292	NC_021166.1	Ca_kabuli_chr07	6044292	TT	GG	1940377880
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SNP_P1_125143_6044413	NC_021166.1	Ca_kabuli_chr07	6044413	GG	TT	1940377887
SNP_P1_125144_6044555	NC_021166.1	Ca_kabuli_chr07	6044555	CC	TT	1940377889
SNP_P1_125145_6044564	NC_021166.1	Ca_kabuli_chr07	6044564	GG	AA	1940377891
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SNP_P1_125159_6046199	NC_021166.1	Ca_kabuli_chr07	6046199	AA	GG	1940377914
SNP_P1_125160_6046688	NC_021166.1	Ca_kabuli_chr07	6046688	CC	TT	1940377916
SNP_P1_125162_6046976	NC_021166.1	Ca_kabuli_chr07	6046976	CC	GG	1940377917
SNP_P1_125163_6046986	NC_021166.1	Ca_kabuli_chr07	6046986	TT	CC	1940377919
SNP_P1_125164_6047297	NC_021166.1	Ca_kabuli_chr07	6047297	AA	CC	1940377921
SNP_P1_125165_6047299	NC_021166.1	Ca_kabuli_chr07	6047299	TT	CC	1940377923
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SNP_P1_125168_6048790	NC_021166.1	Ca_kabuli_chr07	6048790	CC	AA	1940377926
SNP_P1_125169_6049732	NC_021166.1	Ca_kabuli_chr07	6049732	TT	GG	1940377928
SNP_P1_125170_6049734	NC_021166.1	Ca_kabuli_chr07	6049734	AA	GG	1940377930
SNP_P1_125171_6049886	NC_021166.1	Ca_kabuli_chr07	6049886	AA	GG	1940377931
SNP_P1_125173_6049945	NC_021166.1	Ca_kabuli_chr07	6049945	AA	CC	1940377933
SNP_P1_125174_6051882	NC_021166.1	Ca_kabuli_chr07	6051882	CC	TT	1940377935
SNP_P1_125175_6051923	NC_021166.1	Ca_kabuli_chr07	6051923	CC	GG	1940377937

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125179_6055723	NC_021166.1	Ca_kabuli_chr07	6055723	AA	GG	1940377942
SNP_P1_125180_6055950	NC_021166.1	Ca_kabuli_chr07	6055950	TT	GG	1940377944
SNP_P1_125181_6055994	NC_021166.1	Ca_kabuli_chr07	6055994	GG	AA	1940377946
SNP_P1_125182_6056181	NC_021166.1	Ca_kabuli_chr07	6056181	AA	TT	1940377947
SNP_P1_125184_6056403	NC_021166.1	Ca_kabuli_chr07	6056403	GG	TT	1940377949
SNP_P1_125185_6057243	NC_021166.1	Ca_kabuli_chr07	6057243	CC	TT	1940377951
SNP_P1_125186_6057280	NC_021166.1	Ca_kabuli_chr07	6057280	AA	GG	1940377953
SNP_P1_125187_6057300	NC_021166.1	Ca_kabuli_chr07	6057300	CC	TT	1940377954
SNP_P1_125189_6058330	NC_021166.1	Ca_kabuli_chr07	6058330	TT	AA	1940377956
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SNP_P1_125191_6058539	NC_021166.1	Ca_kabuli_chr07	6058539	AA	GG	1940377960
SNP_P1_125192_6058577	NC_021166.1	Ca_kabuli_chr07	6058577	AA	TT	1940377961
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SNP_P1_125195_6058973	NC_021166.1	Ca_kabuli_chr07	6058973	GG	AA	1940377967
SNP_P1_125196_6059002	NC_021166.1	Ca_kabuli_chr07	6059002	CC	GG	1940377969
SNP_P1_125197_6059274	NC_021166.1	Ca_kabuli_chr07	6059274	AA	GG	1940377970
SNP_P1_125198_6060518	NC_021166.1	Ca_kabuli_chr07	6060518	TT	CC	1940377972
SNP_P1_125200_6060905	NC_021166.1	Ca_kabuli_chr07	6060905	AA	CC	1940377974
SNP_P1_125201_6060961	NC_021166.1	Ca_kabuli_chr07	6060961	AA	GG	1940377976
SNP_P1_125202_6060963	NC_021166.1	Ca_kabuli_chr07	6060963	TT	CC	1940377977
SNP_P1_125203_6061068	NC_021166.1	Ca_kabuli_chr07	6061068	GG	AA	1940377979
SNP_P1_125204_6061115	NC_021166.1	Ca_kabuli_chr07	6061115	AA	TT	1940377981
SNP_P1_125205_6061126	NC_021166.1	Ca_kabuli_chr07	6061126	TT	CC	1940377983
SNP_P1_125206_6061776	NC_021166.1	Ca_kabuli_chr07	6061776	GG	AA	1940377984
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SNP_P1_125208_6062104	NC_021166.1	Ca_kabuli_chr07	6062104	AA	GG	1940377988
SNP_P1_125210_6063819	NC_021166.1	Ca_kabuli_chr07	6063819	GG	AA	1940377990
SNP_P1_125211_6064071	NC_021166.1	Ca_kabuli_chr07	6064071	GG	AA	1940377991
SNP_P1_125212_6064826	NC_021166.1	Ca_kabuli_chr07	6064826	CC	GG	1940377993
SNP_P1_125215_6065915	NC_021166.1	Ca_kabuli_chr07	6065915	TT	CC	1940377995
SNP_P1_125216_6065924	NC_021166.1	Ca_kabuli_chr07	6065924	GG	AA	1940377997
SNP_P1_125217_6066032	NC_021166.1	Ca_kabuli_chr07	6066032	AA	GG	1940377998
SNP_P1_125220_6070306	NC_021166.1	Ca_kabuli_chr07	6070306	CC	GG	1940378000
SNP_P1_125222_6071098	NC_021166.1	Ca_kabuli_chr07	6071098	CC	TT	1940378002
SNP_P1_125223_6071113	NC_021166.1	Ca_kabuli_chr07	6071113	CC	AA	1940378004
SNP_P1_125224_6077962	NC_021166.1	Ca_kabuli_chr07	6077962	AA	CC	1940378005
SNP_P1_125225_6078031	NC_021166.1	Ca_kabuli_chr07	6078031	CC	AA	1940378007
SNP_P1_125226_6078369	NC_021166.1	Ca_kabuli_chr07	6078369	AA	GG	1940378009
SNP_P1_125227_6078557	NC_021166.1	Ca_kabuli_chr07	6078557	GG	AA	1940378011

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125229_6079444	NC_021166.1	Ca_kabuli_chr07	6079444	GG	AA	1940378014
SNP_P1_125231_6080946	NC_021166.1	Ca_kabuli_chr07	6080946	TT	AA	1940378016
SNP_P1_125233_6082015	NC_021166.1	Ca_kabuli_chr07	6082015	AA	GG	1940378018
SNP_P1_125234_6082116	NC_021166.1	Ca_kabuli_chr07	6082116	TT	CC	1940378020
SNP_P1_125235_6082118	NC_021166.1	Ca_kabuli_chr07	6082118	CC	AA	1940378022
SNP_P1_125236_6082129	NC_021166.1	Ca_kabuli_chr07	6082129	GG	AA	1940378023
SNP_P1_125237_6082138	NC_021166.1	Ca_kabuli_chr07	6082138	CC	GG	1940378025
SNP_P1_125238_6082139	NC_021166.1	Ca_kabuli_chr07	6082139	CC	TT	1940378027
SNP_P1_125239_6082327	NC_021166.1	Ca_kabuli_chr07	6082327	AA	GG	1940378029
SNP_P1_125240_6082407	NC_021166.1	Ca_kabuli_chr07	6082407	TT	CC	1940378030
SNP_P1_125241_6082468	NC_021166.1	Ca_kabuli_chr07	6082468	TT	CC	1940378032
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SNP_P1_125243_6083298	NC_021166.1	Ca_kabuli_chr07	6083298	GG	AA	1940378036
SNP_P1_125245_6083912	NC_021166.1	Ca_kabuli_chr07	6083912	TT	GG	1940378037
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SNP_P1_125248_6084491	NC_021166.1	Ca_kabuli_chr07	6084491	AA	CC	1940378041
SNP_P1_125249_6084508	NC_021166.1	Ca_kabuli_chr07	6084508	GG	TT	1940378043
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SNP_P1_125252_6087475	NC_021166.1	Ca_kabuli_chr07	6087475	CC	TT	1940378046
SNP_P1_125253_6087515	NC_021166.1	Ca_kabuli_chr07	6087515	CC	TT	1940378048
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SNP_P1_125255_6087573	NC_021166.1	Ca_kabuli_chr07	6087573	AA	GG	1940378051
SNP_P1_125256_6087609	NC_021166.1	Ca_kabuli_chr07	6087609	GG	AA	1940378053
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SNP_P1_125261_6088032	NC_021166.1	Ca_kabuli_chr07	6088032	CC	TT	1940378060
SNP_P1_125262_6088062	NC_021166.1	Ca_kabuli_chr07	6088062	CC	TT	1940378062
SNP_P1_125263_6088108	NC_021166.1	Ca_kabuli_chr07	6088108	AA	CC	1940378064
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SNP_P1_125269_6091159	NC_021166.1	Ca_kabuli_chr07	6091159	GG	AA	1940378073
SNP_P1_125270_6091174	NC_021166.1	Ca_kabuli_chr07	6091174	CC	TT	1940378074
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SNP_P1_125274_6091431	NC_021166.1	Ca_kabuli_chr07	6091431	GG	AA	1940378080
SNP_P1_125275_6091578	NC_021166.1	Ca_kabuli_chr07	6091578	GG	TT	1940378081
SNP_P1_125276_6091701	NC_021166.1	Ca_kabuli_chr07	6091701	GG	AA	1940378083
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125280_6091827	NC_021166.1	Ca_kabuli_chr07	6091827	AA	TT	1940378090
SNP_P1_125281_6091848	NC_021166.1	Ca_kabuli_chr07	6091848	AA	TT	1940378092
SNP_P1_125282_6091849	NC_021166.1	Ca_kabuli_chr07	6091849	TT	GG	1940378094
SNP_P1_125283_6091994	NC_021166.1	Ca_kabuli_chr07	6091994	CC	TT	1940378095
SNP_P1_125284_6092006	NC_021166.1	Ca_kabuli_chr07	6092006	AA	GG	1940378097
SNP_P1_125285_6092030	NC_021166.1	Ca_kabuli_chr07	6092030	TT	GG	1940378099
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SNP_P1_125288_6094060	NC_021166.1	Ca_kabuli_chr07	6094060	AA	GG	1940378103
SNP_P1_125290_6094075	NC_021166.1	Ca_kabuli_chr07	6094075	TT	GG	1940378104
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SNP_P1_125302_6097058	NC_021166.1	Ca_kabuli_chr07	6097058	AA	CC	1940378120
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SNP_P1_125312_6100808	NC_021166.1	Ca_kabuli_chr07	6100808	TT	CC	1940378138
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SNP_P1_125315_6100946	NC_021166.1	Ca_kabuli_chr07	6100946	TT	CC	1940378143
SNP_P1_125318_6101845	NC_021166.1	Ca_kabuli_chr07	6101845	GG	AA	1940378145
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SNP_P1_125321_6102014	NC_021166.1	Ca_kabuli_chr07	6102014	TT	CC	1940378148
SNP_P1_125322_6102063	NC_021166.1	Ca_kabuli_chr07	6102063	GG	AA	1940378150
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SNP_P1_125324_6102134	NC_021166.1	Ca_kabuli_chr07	6102134	TT	CC	1940378154
SNP_P1_125325_6102140	NC_021166.1	Ca_kabuli_chr07	6102140	AA	TT	1940378155
SNP_P1_125326_6102142	NC_021166.1	Ca_kabuli_chr07	6102142	CC	TT	1940378157
SNP_P1_125327_6102143	NC_021166.1	Ca_kabuli_chr07	6102143	GG	CC	1940378159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125330_6102408	NC_021166.1	Ca_kabuli_chr07	6102408	GG	AA	1940378164
SNP_P1_125331_6102437	NC_021166.1	Ca_kabuli_chr07	6102437	TT	CC	1940378166
SNP_P1_125332_6102563	NC_021166.1	Ca_kabuli_chr07	6102563	CC	TT	1940378168
SNP_P1_125333_6102640	NC_021166.1	Ca_kabuli_chr07	6102640	TT	CC	1940378169
SNP_P1_125334_6102872	NC_021166.1	Ca_kabuli_chr07	6102872	TT	CC	1940378171
SNP_P1_125335_6102876	NC_021166.1	Ca_kabuli_chr07	6102876	TT	GG	1940378173
SNP_P1_125336_6102898	NC_021166.1	Ca_kabuli_chr07	6102898	GG	TT	1940378175
SNP_P1_125337_6102902	NC_021166.1	Ca_kabuli_chr07	6102902	AA	CC	1940378176
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SNP_P1_125345_6103161	NC_021166.1	Ca_kabuli_chr07	6103161	AA	TT	1940378187
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SNP_P1_125354_6104939	NC_021166.1	Ca_kabuli_chr07	6104939	CC	TT	1940378199
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SNP_P1_125360_6105265	NC_021166.1	Ca_kabuli_chr07	6105265	GG	AA	1940378208
SNP_P1_125361_6105298	NC_021166.1	Ca_kabuli_chr07	6105298	AA	GG	1940378210
SNP_P1_125362_6105305	NC_021166.1	Ca_kabuli_chr07	6105305	TT	AA	1940378212
SNP_P1_125363_6105382	NC_021166.1	Ca_kabuli_chr07	6105382	CC	GG	1940378214
SNP_P1_125364_6105426	NC_021166.1	Ca_kabuli_chr07	6105426	AA	TT	1940378215
SNP_P1_125365_6105627	NC_021166.1	Ca_kabuli_chr07	6105627	CC	TT	1940378217
SNP_P1_125366_6106263	NC_021166.1	Ca_kabuli_chr07	6106263	GG	TT	1940378219
SNP_P1_125368_6106782	NC_021166.1	Ca_kabuli_chr07	6106782	TT	CC	1940378221
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SNP_P1_125371_6106942	NC_021166.1	Ca_kabuli_chr07	6106942	TT	CC	1940378224
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SNP_P1_125374_6106999	NC_021166.1	Ca_kabuli_chr07	6106999	CC	AA	1940378229
SNP_P1_125375_6107049	NC_021166.1	Ca_kabuli_chr07	6107049	GG	TT	1940378231
SNP_P1_125376_6107066	NC_021166.1	Ca_kabuli_chr07	6107066	GG	AA	1940378233

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125379_6107103	NC_021166.1	Ca_kabuli_chr07	6107103	CC	TT	1940378238
SNP_P1_125380_6107140	NC_021166.1	Ca_kabuli_chr07	6107140	AA	TT	1940378240
SNP_P1_125381_6107163	NC_021166.1	Ca_kabuli_chr07	6107163	CC	TT	1940378242
SNP_P1_125384_6107573	NC_021166.1	Ca_kabuli_chr07	6107573	TT	CC	1940378244
SNP_P1_125386_6107664	NC_021166.1	Ca_kabuli_chr07	6107664	TT	CC	1940378245
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SNP_P1_125389_6107784	NC_021166.1	Ca_kabuli_chr07	6107784	TT	AA	1940378251
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SNP_P1_125412_6121186	NC_021166.1	Ca_kabuli_chr07	6121186	TT	CC	1940378286
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SNP_P1_125422_6125221	NC_021166.1	Ca_kabuli_chr07	6125221	GG	AA	1940378297
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SNP_P1_125427_6126031	NC_021166.1	Ca_kabuli_chr07	6126031	AA	GG	1940378304
SNP_P1_125428_6126074	NC_021166.1	Ca_kabuli_chr07	6126074	CC	AA	1940378305
SNP_P1_125430_6126308	NC_021166.1	Ca_kabuli_chr07	6126308	AA	GG	1940378307

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125434_6126843	NC_021166.1	Ca_kabuli_chr07	6126843	TT	AA	1940378312
SNP_P1_125435_6131369	NC_021166.1	Ca_kabuli_chr07	6131369	CC	AA	1940378314
SNP_P1_125436_6131558	NC_021166.1	Ca_kabuli_chr07	6131558	TT	AA	1940378316
SNP_P1_125437_6133957	NC_021166.1	Ca_kabuli_chr07	6133957	CC	TT	1940378318
SNP_P1_125439_6135379	NC_021166.1	Ca_kabuli_chr07	6135379	CC	AA	1940378319
SNP_P1_125440_6135594	NC_021166.1	Ca_kabuli_chr07	6135594	TT	AA	1940378321
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SNP_P1_125443_6141640	NC_021166.1	Ca_kabuli_chr07	6141640	TT	CC	1940378326
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SNP_P1_125445_6142218	NC_021166.1	Ca_kabuli_chr07	6142218	CC	AA	1940378330
SNP_P1_125446_6142269	NC_021166.1	Ca_kabuli_chr07	6142269	CC	TT	1940378332
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SNP_P1_125448_6143400	NC_021166.1	Ca_kabuli_chr07	6143400	AA	GG	1940378335
SNP_P1_125449_6144187	NC_021166.1	Ca_kabuli_chr07	6144187	AA	TT	1940378337
SNP_P1_125450_6144201	NC_021166.1	Ca_kabuli_chr07	6144201	GG	AA	1940378339
SNP_P1_125451_6144202	NC_021166.1	Ca_kabuli_chr07	6144202	CC	GG	1940378340
SNP_P1_125452_6144928	NC_021166.1	Ca_kabuli_chr07	6144928	TT	CC	1940378342
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SNP_P1_125457_6145225	NC_021166.1	Ca_kabuli_chr07	6145225	TT	CC	1940378351
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SNP_P1_125460_6145792	NC_021166.1	Ca_kabuli_chr07	6145792	TT	CC	1940378356
SNP_P1_125461_6146085	NC_021166.1	Ca_kabuli_chr07	6146085	AA	CC	1940378358
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SNP_P1_125464_6146115	NC_021166.1	Ca_kabuli_chr07	6146115	CC	TT	1940378363
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SNP_P1_125469_6147381	NC_021166.1	Ca_kabuli_chr07	6147381	GG	AA	1940378370
SNP_P1_125470_6147505	NC_021166.1	Ca_kabuli_chr07	6147505	TT	AA	1940378372
SNP_P1_125472_6147847	NC_021166.1	Ca_kabuli_chr07	6147847	TT	CC	1940378374
SNP_P1_125474_6148045	NC_021166.1	Ca_kabuli_chr07	6148045	AA	GG	1940378375
SNP_P1_125475_6148888	NC_021166.1	Ca_kabuli_chr07	6148888	GG	CC	1940378377
SNP_P1_125476_6149316	NC_021166.1	Ca_kabuli_chr07	6149316	GG	AA	1940378379
SNP_P1_125477_6149604	NC_021166.1	Ca_kabuli_chr07	6149604	GG	AA	1940378381

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125480_6151931	NC_021166.1	Ca_kabuli_chr07	6151931	CC	TT	1940378386
SNP_P1_125481_6151936	NC_021166.1	Ca_kabuli_chr07	6151936	CC	TT	1940378388
SNP_P1_125482_6153813	NC_021166.1	Ca_kabuli_chr07	6153813	CC	TT	1940378390
SNP_P1_125483_6153840	NC_021166.1	Ca_kabuli_chr07	6153840	CC	GG	1940378391
SNP_P1_125484_6153849	NC_021166.1	Ca_kabuli_chr07	6153849	AA	TT	1940378393
SNP_P1_125486_6153897	NC_021166.1	Ca_kabuli_chr07	6153897	GG	AA	1940378395
SNP_P1_125487_6154036	NC_021166.1	Ca_kabuli_chr07	6154036	AA	TT	1940378397
SNP_P1_125488_6154066	NC_021166.1	Ca_kabuli_chr07	6154066	AA	TT	1940378398
SNP_P1_125489_6154269	NC_021166.1	Ca_kabuli_chr07	6154269	TT	AA	1940378400
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SNP_P1_125504_6157847	NC_021166.1	Ca_kabuli_chr07	6157847	CC	TT	1940378425
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SNP_P1_125510_6158105	NC_021166.1	Ca_kabuli_chr07	6158105	AA	GG	1940378435
SNP_P1_125511_6158184	NC_021166.1	Ca_kabuli_chr07	6158184	CC	TT	1940378437
SNP_P1_125512_6159419	NC_021166.1	Ca_kabuli_chr07	6159419	GG	AA	1940378439
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SNP_P1_125515_6159940	NC_021166.1	Ca_kabuli_chr07	6159940	TT	CC	1940378443
SNP_P1_125516_6160438	NC_021166.1	Ca_kabuli_chr07	6160438	TT	AA	1940378444
SNP_P1_125517_6160604	NC_021166.1	Ca_kabuli_chr07	6160604	AA	CC	1940378446
SNP_P1_125518_6160700	NC_021166.1	Ca_kabuli_chr07	6160700	AA	CC	1940378448
SNP_P1_125520_6160972	NC_021166.1	Ca_kabuli_chr07	6160972	CC	TT	1940378450
SNP_P1_125521_6161020	NC_021166.1	Ca_kabuli_chr07	6161020	AA	GG	1940378451
SNP_P1_125523_6162790	NC_021166.1	Ca_kabuli_chr07	6162790	AA	TT	1940378453
SNP_P1_125524_6162913	NC_021166.1	Ca_kabuli_chr07	6162913	CC	AA	1940378455

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125527_6163054	NC_021166.1	Ca_kabuli_chr07	6163054	TT	AA	1940378458
SNP_P1_125528_6163057	NC_021166.1	Ca_kabuli_chr07	6163057	TT	CC	1940378460
SNP_P1_125529_6164258	NC_021166.1	Ca_kabuli_chr07	6164258	CC	TT	1940378462
SNP_P1_125531_6164370	NC_021166.1	Ca_kabuli_chr07	6164370	CC	TT	1940378464
SNP_P1_125532_6164432	NC_021166.1	Ca_kabuli_chr07	6164432	AA	CC	1940378465
SNP_P1_125533_6165072	NC_021166.1	Ca_kabuli_chr07	6165072	TT	CC	1940378467
SNP_P1_125534_6165086	NC_021166.1	Ca_kabuli_chr07	6165086	GG	AA	1940378469
SNP_P1_125535_6165104	NC_021166.1	Ca_kabuli_chr07	6165104	TT	CC	1940378471
SNP_P1_125537_6165167	NC_021166.1	Ca_kabuli_chr07	6165167	AA	CC	1940378472
SNP_P1_125538_6165244	NC_021166.1	Ca_kabuli_chr07	6165244	AA	GG	1940378474
SNP_P1_125539_6165269	NC_021166.1	Ca_kabuli_chr07	6165269	AA	GG	1940378476
SNP_P1_125540_6165292	NC_021166.1	Ca_kabuli_chr07	6165292	CC	TT	1940378478
SNP_P1_125541_6165294	NC_021166.1	Ca_kabuli_chr07	6165294	AA	GG	1940378480
SNP_P1_125542_6165310	NC_021166.1	Ca_kabuli_chr07	6165310	GG	AA	1940378481
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SNP_P1_125544_6165324	NC_021166.1	Ca_kabuli_chr07	6165324	TT	CC	1940378485
SNP_P1_125545_6165329	NC_021166.1	Ca_kabuli_chr07	6165329	GG	AA	1940378487
SNP_P1_125546_6165447	NC_021166.1	Ca_kabuli_chr07	6165447	GG	AA	1940378488
SNP_P1_125547_6167414	NC_021166.1	Ca_kabuli_chr07	6167414	AA	CC	1940378490
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SNP_P1_125550_6188280	NC_021166.1	Ca_kabuli_chr07	6188280	CC	AA	1940378494
SNP_P1_125552_6220220	NC_021166.1	Ca_kabuli_chr07	6220220	AA	CC	1940378495
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SNP_P1_125561_6358003	NC_021166.1	Ca_kabuli_chr07	6358003	TT	GG	1940378504
SNP_P1_125562_6359809	NC_021166.1	Ca_kabuli_chr07	6359809	GG	AA	1940378506
SNP_P1_125563_6368262	NC_021166.1	Ca_kabuli_chr07	6368262	GG	TT	1940378508
SNP_P1_125564_6369662	NC_021166.1	Ca_kabuli_chr07	6369662	TT	GG	1940378510
SNP_P1_125565_6371171	NC_021166.1	Ca_kabuli_chr07	6371171	GG	CC	1940378511
SNP_P1_125566_6373630	NC_021166.1	Ca_kabuli_chr07	6373630	GG	CC	1940378513
SNP_P1_125568_6395883	NC_021166.1	Ca_kabuli_chr07	6395883	AA	CC	1940378515
SNP_P1_125569_6402010	NC_021166.1	Ca_kabuli_chr07	6402010	AA	GG	1940378517
SNP_P1_125571_6404205	NC_021166.1	Ca_kabuli_chr07	6404205	GG	AA	1940378518
SNP_P1_125572_6434182	NC_021166.1	Ca_kabuli_chr07	6434182	TT	CC	1940378520
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SNP_P1_125575_6459521	NC_021166.1	Ca_kabuli_chr07	6459521	AA	CC	1940378526
SNP_P1_125576_6464477	NC_021166.1	Ca_kabuli_chr07	6464477	AA	GG	1940378527
SNP_P1_125577_6471440	NC_021166.1	Ca_kabuli_chr07	6471440	CC	AA	1940378529

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125582_6560188	NC_021166.1	Ca_kabuli_chr07	6560188	AA	TT	1940378534
SNP_P1_125583_6601735	NC_021166.1	Ca_kabuli_chr07	6601735	CC	TT	1940378536
SNP_P1_125584_6610050	NC_021166.1	Ca_kabuli_chr07	6610050	GG	TT	1940378538
SNP_P1_125586_6629077	NC_021166.1	Ca_kabuli_chr07	6629077	CC	TT	1940378540
SNP_P1_125587_6629117	NC_021166.1	Ca_kabuli_chr07	6629117	TT	CC	1940378542
SNP_P1_125588_6645701	NC_021166.1	Ca_kabuli_chr07	6645701	GG	AA	1940378543
SNP_P1_125589_6659707	NC_021166.1	Ca_kabuli_chr07	6659707	AA	CC	1940378545
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SNP_P1_125592_6703235	NC_021166.1	Ca_kabuli_chr07	6703235	TT	CC	1940378549
SNP_P1_125593_6719148	NC_021166.1	Ca_kabuli_chr07	6719148	TT	CC	1940378550
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SNP_P1_125598_6802426	NC_021166.1	Ca_kabuli_chr07	6802426	AA	CC	1940378556
SNP_P1_125599_6806932	NC_021166.1	Ca_kabuli_chr07	6806932	AA	CC	1940378557
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SNP_P1_125605_6855448	NC_021166.1	Ca_kabuli_chr07	6855448	AA	GG	1940378561
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SNP_P1_125615_6987271	NC_021166.1	Ca_kabuli_chr07	6987271	AA	TT	1940378573
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SNP_P1_125617_7020245	NC_021166.1	Ca_kabuli_chr07	7020245	CC	TT	1940378577
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SNP_P1_125621_7036370	NC_021166.1	Ca_kabuli_chr07	7036370	CC	TT	1940378582
SNP_P1_125622_7037528	NC_021166.1	Ca_kabuli_chr07	7037528	AA	TT	1940378584
SNP_P1_125623_7051010	NC_021166.1	Ca_kabuli_chr07	7051010	GG	AA	1940378586
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SNP_P1_125630_7175346	NC_021166.1	Ca_kabuli_chr07	7175346	AA	GG	1940378598
SNP_P1_125631_7176235	NC_021166.1	Ca_kabuli_chr07	7176235	TT	GG	1940378600
SNP_P1_125632_7176979	NC_021166.1	Ca_kabuli_chr07	7176979	GG	CC	1940378601
SNP_P1_125633_7184440	NC_021166.1	Ca_kabuli_chr07	7184440	TT	AA	1940378603

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125637_7209131	NC_021166.1	Ca_kabuli_chr07	7209131	CC	GG	1940378608
SNP_P1_125638_7224378	NC_021166.1	Ca_kabuli_chr07	7224378	TT	CC	1940378610
SNP_P1_125639_7232216	NC_021166.1	Ca_kabuli_chr07	7232216	GG	AA	1940378612
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SNP_P1_125658_7331673	NC_021166.1	Ca_kabuli_chr07	7331673	GG	AA	1940378640
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SNP_P1_125660_7331798	NC_021166.1	Ca_kabuli_chr07	7331798	AA	GG	1940378644
SNP_P1_125661_7331861	NC_021166.1	Ca_kabuli_chr07	7331861	AA	TT	1940378645
SNP_P1_125662_7331946	NC_021166.1	Ca_kabuli_chr07	7331946	CC	TT	1940378647
SNP_P1_125663_7332021	NC_021166.1	Ca_kabuli_chr07	7332021	GG	AA	1940378649
SNP_P1_125664_7332037	NC_021166.1	Ca_kabuli_chr07	7332037	GG	AA	1940378651
SNP_P1_125667_7332270	NC_021166.1	Ca_kabuli_chr07	7332270	AA	GG	1940378652
SNP_P1_125668_7332319	NC_021166.1	Ca_kabuli_chr07	7332319	AA	GG	1940378654
SNP_P1_125669_7332351	NC_021166.1	Ca_kabuli_chr07	7332351	AA	GG	1940378656
SNP_P1_125670_7333297	NC_021166.1	Ca_kabuli_chr07	7333297	GG	AA	1940378658
SNP_P1_125671_7334396	NC_021166.1	Ca_kabuli_chr07	7334396	CC	TT	1940378659
SNP_P1_125672_7334449	NC_021166.1	Ca_kabuli_chr07	7334449	TT	CC	1940378661
SNP_P1_125673_7334539	NC_021166.1	Ca_kabuli_chr07	7334539	AA	TT	1940378663
SNP_P1_125674_7334754	NC_021166.1	Ca_kabuli_chr07	7334754	CC	AA	1940378665
SNP_P1_125675_7334798	NC_021166.1	Ca_kabuli_chr07	7334798	AA	TT	1940378666
SNP_P1_125676_7334805	NC_021166.1	Ca_kabuli_chr07	7334805	CC	AA	1940378668
SNP_P1_125677_7334806	NC_021166.1	Ca_kabuli_chr07	7334806	GG	AA	1940378670
SNP_P1_125678_7335012	NC_021166.1	Ca_kabuli_chr07	7335012	AA	GG	1940378672
SNP_P1_125679_7335279	NC_021166.1	Ca_kabuli_chr07	7335279	TT	CC	1940378674
SNP_P1_125681_7336607	NC_021166.1	Ca_kabuli_chr07	7336607	AA	GG	1940378675
SNP_P1_125682_7336616	NC_021166.1	Ca_kabuli_chr07	7336616	GG	CC	1940378677

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125684_7336840	NC_021166.1	Ca_kabuli_chr07	7336840	TT	CC	1940378681
SNP_P1_125685_7336856	NC_021166.1	Ca_kabuli_chr07	7336856	TT	GG	1940378682
SNP_P1_125686_7337974	NC_021166.1	Ca_kabuli_chr07	7337974	TT	CC	1940378684
SNP_P1_125688_7339331	NC_021166.1	Ca_kabuli_chr07	7339331	AA	CC	1940378686
SNP_P1_125690_7340606	NC_021166.1	Ca_kabuli_chr07	7340606	TT	AA	1940378688
SNP_P1_125691_7341497	NC_021166.1	Ca_kabuli_chr07	7341497	GG	AA	1940378689
SNP_P1_125692_7341516	NC_021166.1	Ca_kabuli_chr07	7341516	GG	AA	1940378691
SNP_P1_125693_7341527	NC_021166.1	Ca_kabuli_chr07	7341527	CC	TT	1940378693
SNP_P1_125695_7343854	NC_021166.1	Ca_kabuli_chr07	7343854	GG	TT	1940378694
SNP_P1_125696_7344083	NC_021166.1	Ca_kabuli_chr07	7344083	TT	GG	1940378696
SNP_P1_125699_7361744	NC_021166.1	Ca_kabuli_chr07	7361744	CC	TT	1940378698
SNP_P1_125700_7362495	NC_021166.1	Ca_kabuli_chr07	7362495	TT	CC	1940378700
SNP_P1_125701_7363723	NC_021166.1	Ca_kabuli_chr07	7363723	GG	AA	1940378701
SNP_P1_125702_7363770	NC_021166.1	Ca_kabuli_chr07	7363770	AA	GG	1940378703
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SNP_P1_125705_7365650	NC_021166.1	Ca_kabuli_chr07	7365650	AA	GG	1940378709
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SNP_P1_125711_7367329	NC_021166.1	Ca_kabuli_chr07	7367329	GG	AA	1940378717
SNP_P1_125712_7368594	NC_021166.1	Ca_kabuli_chr07	7368594	AA	GG	1940378719
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SNP_P1_125720_7378110	NC_021166.1	Ca_kabuli_chr07	7378110	GG	AA	1940378731
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SNP_P1_125728_7381442	NC_021166.1	Ca_kabuli_chr07	7381442	AA	TT	1940378742
SNP_P1_125729_7381615	NC_021166.1	Ca_kabuli_chr07	7381615	AA	GG	1940378744
SNP_P1_125730_7383433	NC_021166.1	Ca_kabuli_chr07	7383433	CC	TT	1940378745
SNP_P1_125731_7383564	NC_021166.1	Ca_kabuli_chr07	7383564	GG	AA	1940378747
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SNP_P1_125734_7384326	NC_021166.1	Ca_kabuli_chr07	7384326	CC	TT	1940378751

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125737_7386412	NC_021166.1	Ca_kabuli_chr07	7386412	CC	TT	1940378754
SNP_P1_125738_7388030	NC_021166.1	Ca_kabuli_chr07	7388030	AA	CC	1940378756
SNP_P1_125740_7388497	NC_021166.1	Ca_kabuli_chr07	7388497	AA	GG	1940378758
SNP_P1_125741_7388531	NC_021166.1	Ca_kabuli_chr07	7388531	GG	CC	1940378759
SNP_P1_125742_7389723	NC_021166.1	Ca_kabuli_chr07	7389723	TT	CC	1940378761
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SNP_P1_125744_7390206	NC_021166.1	Ca_kabuli_chr07	7390206	GG	CC	1940378765
SNP_P1_125745_7390210	NC_021166.1	Ca_kabuli_chr07	7390210	AA	TT	1940378766
SNP_P1_125747_7391003	NC_021166.1	Ca_kabuli_chr07	7391003	TT	CC	1940378768
SNP_P1_125748_7394044	NC_021166.1	Ca_kabuli_chr07	7394044	TT	CC	1940378770
SNP_P1_125749_7395026	NC_021166.1	Ca_kabuli_chr07	7395026	CC	AA	1940378772
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SNP_P1_125754_7395423	NC_021166.1	Ca_kabuli_chr07	7395423	GG	AA	1940378781
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SNP_P1_125760_7395495	NC_021166.1	Ca_kabuli_chr07	7395495	TT	GG	1940378791
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SNP_P1_125766_7395798	NC_021166.1	Ca_kabuli_chr07	7395798	GG	TT	1940378800
SNP_P1_125767_7395834	NC_021166.1	Ca_kabuli_chr07	7395834	AA	CC	1940378802
SNP_P1_125768_7398449	NC_021166.1	Ca_kabuli_chr07	7398449	GG	TT	1940378804
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SNP_P1_125771_7398533	NC_021166.1	Ca_kabuli_chr07	7398533	TT	CC	1940378807
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SNP_P1_125775_7398795	NC_021166.1	Ca_kabuli_chr07	7398795	AA	GG	1940378814
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SNP_P1_125778_7399808	NC_021166.1	Ca_kabuli_chr07	7399808	CC	GG	1940378819
SNP_P1_125779_7400129	NC_021166.1	Ca_kabuli_chr07	7400129	GG	TT	1940378821
SNP_P1_125780_7404037	NC_021166.1	Ca_kabuli_chr07	7404037	TT	CC	1940378823
SNP_P1_125782_7404400	NC_021166.1	Ca_kabuli_chr07	7404400	AA	TT	1940378825

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125785_7405060	NC_021166.1	Ca_kabuli_chr07	7405060	GG	AA	1940378830
SNP_P1_125786_7407279	NC_021166.1	Ca_kabuli_chr07	7407279	AA	CC	1940378832
SNP_P1_125788_7411627	NC_021166.1	Ca_kabuli_chr07	7411627	CC	AA	1940378834
SNP_P1_125790_7411644	NC_021166.1	Ca_kabuli_chr07	7411644	GG	AA	1940378835
SNP_P1_125791_7411713	NC_021166.1	Ca_kabuli_chr07	7411713	GG	AA	1940378837
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SNP_P1_125794_7412004	NC_021166.1	Ca_kabuli_chr07	7412004	TT	CC	1940378841
SNP_P1_125795_7412005	NC_021166.1	Ca_kabuli_chr07	7412005	GG	AA	1940378842
SNP_P1_125796_7412008	NC_021166.1	Ca_kabuli_chr07	7412008	CC	TT	1940378844
SNP_P1_125797_7412032	NC_021166.1	Ca_kabuli_chr07	7412032	CC	TT	1940378846
SNP_P1_125798_7412099	NC_021166.1	Ca_kabuli_chr07	7412099	TT	AA	1940378848
SNP_P1_125799_7412108	NC_021166.1	Ca_kabuli_chr07	7412108	TT	CC	1940378850
SNP_P1_125800_7412216	NC_021166.1	Ca_kabuli_chr07	7412216	GG	AA	1940378851
SNP_P1_125801_7412245	NC_021166.1	Ca_kabuli_chr07	7412245	AA	GG	1940378853
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SNP_P1_125811_7412865	NC_021166.1	Ca_kabuli_chr07	7412865	CC	TT	1940378869
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SNP_P1_125818_7415356	NC_021166.1	Ca_kabuli_chr07	7415356	GG	AA	1940378878
SNP_P1_125819_7415682	NC_021166.1	Ca_kabuli_chr07	7415682	CC	TT	1940378879
SNP_P1_125820_7415925	NC_021166.1	Ca_kabuli_chr07	7415925	CC	TT	1940378881
SNP_P1_125822_7417272	NC_021166.1	Ca_kabuli_chr07	7417272	TT	CC	1940378883
SNP_P1_125824_7417485	NC_021166.1	Ca_kabuli_chr07	7417485	GG	TT	1940378885
SNP_P1_125825_7418274	NC_021166.1	Ca_kabuli_chr07	7418274	AA	CC	1940378887
SNP_P1_125826_7418275	NC_021166.1	Ca_kabuli_chr07	7418275	AA	TT	1940378888
SNP_P1_125827_7418276	NC_021166.1	Ca_kabuli_chr07	7418276	TT	AA	1940378890
SNP_P1_125828_7418291	NC_021166.1	Ca_kabuli_chr07	7418291	TT	AA	1940378892
SNP_P1_125829_7418324	NC_021166.1	Ca_kabuli_chr07	7418324	GG	CC	1940378894
SNP_P1_125830_7418482	NC_021166.1	Ca_kabuli_chr07	7418482	TT	CC	1940378895
SNP_P1_125831_7419132	NC_021166.1	Ca_kabuli_chr07	7419132	TT	GG	1940378897
SNP_P1_125832_7419992	NC_021166.1	Ca_kabuli_chr07	7419992	TT	CC	1940378899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125835_7422875	NC_021166.1	Ca_kabuli_chr07	7422875	TT	AA	1940378904
SNP_P1_125836_7424132	NC_021166.1	Ca_kabuli_chr07	7424132	GG	AA	1940378906
SNP_P1_125837_7428253	NC_021166.1	Ca_kabuli_chr07	7428253	CC	TT	1940378908
SNP_P1_125839_7428859	NC_021166.1	Ca_kabuli_chr07	7428859	AA	GG	1940378910
SNP_P1_125840_7429106	NC_021166.1	Ca_kabuli_chr07	7429106	AA	GG	1940378911
SNP_P1_125841_7430868	NC_021166.1	Ca_kabuli_chr07	7430868	TT	CC	1940378913
SNP_P1_125842_7432815	NC_021166.1	Ca_kabuli_chr07	7432815	CC	GG	1940378915
SNP_P1_125843_7438508	NC_021166.1	Ca_kabuli_chr07	7438508	CC	TT	1940378917
SNP_P1_125844_7438559	NC_021166.1	Ca_kabuli_chr07	7438559	TT	CC	1940378918
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SNP_P1_125846_7438582	NC_021166.1	Ca_kabuli_chr07	7438582	AA	TT	1940378922
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SNP_P1_125848_7438843	NC_021166.1	Ca_kabuli_chr07	7438843	CC	TT	1940378925
SNP_P1_125849_7438876	NC_021166.1	Ca_kabuli_chr07	7438876	TT	AA	1940378927
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SNP_P1_125857_7440802	NC_021166.1	Ca_kabuli_chr07	7440802	GG	AA	1940378939
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SNP_P1_125862_7442197	NC_021166.1	Ca_kabuli_chr07	7442197	GG	AA	1940378948
SNP_P1_125863_7442404	NC_021166.1	Ca_kabuli_chr07	7442404	AA	GG	1940378950
SNP_P1_125864_7442503	NC_021166.1	Ca_kabuli_chr07	7442503	AA	GG	1940378952
SNP_P1_125865_7444891	NC_021166.1	Ca_kabuli_chr07	7444891	GG	AA	1940378954
SNP_P1_125866_7444894	NC_021166.1	Ca_kabuli_chr07	7444894	GG	AA	1940378955
SNP_P1_125867_7445019	NC_021166.1	Ca_kabuli_chr07	7445019	GG	AA	1940378957
SNP_P1_125868_7445028	NC_021166.1	Ca_kabuli_chr07	7445028	AA	GG	1940378959
SNP_P1_125869_7445052	NC_021166.1	Ca_kabuli_chr07	7445052	AA	TT	1940378961
SNP_P1_125870_7445054	NC_021166.1	Ca_kabuli_chr07	7445054	AA	CC	1940378962
SNP_P1_125871_7445065	NC_021166.1	Ca_kabuli_chr07	7445065	AA	GG	1940378964
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SNP_P1_125873_7446753	NC_021166.1	Ca_kabuli_chr07	7446753	GG	AA	1940378968
SNP_P1_125874_7447018	NC_021166.1	Ca_kabuli_chr07	7447018	TT	CC	1940378969
SNP_P1_125875_7447140	NC_021166.1	Ca_kabuli_chr07	7447140	CC	AA	1940378971
SNP_P1_125876_7447141	NC_021166.1	Ca_kabuli_chr07	7447141	CC	TT	1940378973

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125879_7448096	NC_021166.1	Ca_kabuli_chr07	7448096	TT	CC	1940378976
SNP_P1_125880_7448119	NC_021166.1	Ca_kabuli_chr07	7448119	GG	AA	1940378978
SNP_P1_125881_7448135	NC_021166.1	Ca_kabuli_chr07	7448135	TT	AA	1940378980
SNP_P1_125882_7448729	NC_021166.1	Ca_kabuli_chr07	7448729	CC	TT	1940378982
SNP_P1_125883_7448752	NC_021166.1	Ca_kabuli_chr07	7448752	GG	AA	1940378983
SNP_P1_125884_7449038	NC_021166.1	Ca_kabuli_chr07	7449038	TT	AA	1940378985
SNP_P1_125886_7455703	NC_021166.1	Ca_kabuli_chr07	7455703	GG	AA	1940378987
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SNP_P1_125888_7458038	NC_021166.1	Ca_kabuli_chr07	7458038	TT	CC	1940378990
SNP_P1_125889_7458062	NC_021166.1	Ca_kabuli_chr07	7458062	AA	GG	1940378992
SNP_P1_125890_7458088	NC_021166.1	Ca_kabuli_chr07	7458088	AA	TT	1940378994
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SNP_P1_125893_7458708	NC_021166.1	Ca_kabuli_chr07	7458708	AA	TT	1940378999
SNP_P1_125895_7458767	NC_021166.1	Ca_kabuli_chr07	7458767	TT	GG	1940379001
SNP_P1_125896_7458775	NC_021166.1	Ca_kabuli_chr07	7458775	AA	GG	1940379003
SNP_P1_125897_7458964	NC_021166.1	Ca_kabuli_chr07	7458964	CC	AA	1940379004
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SNP_P1_125899_7459178	NC_021166.1	Ca_kabuli_chr07	7459178	AA	GG	1940379008
SNP_P1_125901_7460427	NC_021166.1	Ca_kabuli_chr07	7460427	TT	CC	1940379010
SNP_P1_125902_7460458	NC_021166.1	Ca_kabuli_chr07	7460458	AA	GG	1940379012
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SNP_P1_125904_7461240	NC_021166.1	Ca_kabuli_chr07	7461240	GG	TT	1940379015
SNP_P1_125905_7461291	NC_021166.1	Ca_kabuli_chr07	7461291	GG	CC	1940379017
SNP_P1_125906_7461301	NC_021166.1	Ca_kabuli_chr07	7461301	CC	GG	1940379019
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SNP_P1_125912_7464889	NC_021166.1	Ca_kabuli_chr07	7464889	GG	AA	1940379027
SNP_P1_125913_7464962	NC_021166.1	Ca_kabuli_chr07	7464962	GG	AA	1940379029
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SNP_P1_125915_7468193	NC_021166.1	Ca_kabuli_chr07	7468193	GG	CC	1940379033
SNP_P1_125916_7469617	NC_021166.1	Ca_kabuli_chr07	7469617	AA	GG	1940379035
SNP_P1_125917_7472329	NC_021166.1	Ca_kabuli_chr07	7472329	GG	AA	1940379036
SNP_P1_125918_7472377	NC_021166.1	Ca_kabuli_chr07	7472377	TT	CC	1940379038
SNP_P1_125919_7473291	NC_021166.1	Ca_kabuli_chr07	7473291	AA	TT	1940379040
SNP_P1_125920_7474212	NC_021166.1	Ca_kabuli_chr07	7474212	CC	TT	1940379042
SNP_P1_125921_7474319	NC_021166.1	Ca_kabuli_chr07	7474319	CC	AA	1940379043
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SNP_P1_125923_7476058	NC_021166.1	Ca_kabuli_chr07	7476058	AA	TT	1940379047

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125925_7476334	NC_021166.1	Ca_kabuli_chr07	7476334	TT	CC	1940379050
SNP_P1_125926_7476346	NC_021166.1	Ca_kabuli_chr07	7476346	AA	GG	1940379052
SNP_P1_125927_7476603	NC_021166.1	Ca_kabuli_chr07	7476603	GG	AA	1940379054
SNP_P1_125928_7476634	NC_021166.1	Ca_kabuli_chr07	7476634	AA	GG	1940379056
SNP_P1_125929_7476664	NC_021166.1	Ca_kabuli_chr07	7476664	GG	AA	1940379058
SNP_P1_125930_7476694	NC_021166.1	Ca_kabuli_chr07	7476694	CC	TT	1940379059
SNP_P1_125931_7477018	NC_021166.1	Ca_kabuli_chr07	7477018	CC	TT	1940379061
SNP_P1_125932_7477041	NC_021166.1	Ca_kabuli_chr07	7477041	AA	GG	1940379063
SNP_P1_125933_7477098	NC_021166.1	Ca_kabuli_chr07	7477098	TT	CC	1940379065
SNP_P1_125934_7477128	NC_021166.1	Ca_kabuli_chr07	7477128	TT	CC	1940379066
SNP_P1_125935_7477138	NC_021166.1	Ca_kabuli_chr07	7477138	TT	CC	1940379068
SNP_P1_125936_7477273	NC_021166.1	Ca_kabuli_chr07	7477273	CC	TT	1940379070
SNP_P1_125938_7478361	NC_021166.1	Ca_kabuli_chr07	7478361	TT	AA	1940379072
SNP_P1_125939_7478376	NC_021166.1	Ca_kabuli_chr07	7478376	AA	TT	1940379073
SNP_P1_125941_7478521	NC_021166.1	Ca_kabuli_chr07	7478521	CC	TT	1940379075
SNP_P1_125943_7478702	NC_021166.1	Ca_kabuli_chr07	7478702	AA	GG	1940379077
SNP_P1_125944_7478707	NC_021166.1	Ca_kabuli_chr07	7478707	GG	AA	1940379079
SNP_P1_125945_7478860	NC_021166.1	Ca_kabuli_chr07	7478860	AA	GG	1940379080
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SNP_P1_125947_7479602	NC_021166.1	Ca_kabuli_chr07	7479602	AA	GG	1940379084
SNP_P1_125948_7480058	NC_021166.1	Ca_kabuli_chr07	7480058	AA	TT	1940379086
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SNP_P1_125955_7481101	NC_021166.1	Ca_kabuli_chr07	7481101	AA	CC	1940379098
SNP_P1_125956_7481486	NC_021166.1	Ca_kabuli_chr07	7481486	GG	AA	1940379100
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SNP_P1_125958_7481489	NC_021166.1	Ca_kabuli_chr07	7481489	TT	CC	1940379103
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SNP_P1_125960_7481722	NC_021166.1	Ca_kabuli_chr07	7481722	TT	AA	1940379107
SNP_P1_125961_7481806	NC_021166.1	Ca_kabuli_chr07	7481806	TT	AA	1940379109
SNP_P1_125962_7481826	NC_021166.1	Ca_kabuli_chr07	7481826	GG	CC	1940379110
SNP_P1_125963_7482210	NC_021166.1	Ca_kabuli_chr07	7482210	CC	TT	1940379112
SNP_P1_125964_7482462	NC_021166.1	Ca_kabuli_chr07	7482462	GG	AA	1940379114
SNP_P1_125965_7482748	NC_021166.1	Ca_kabuli_chr07	7482748	GG	AA	1940379116
SNP_P1_125966_7484249	NC_021166.1	Ca_kabuli_chr07	7484249	GG	AA	1940379117
SNP_P1_125967_7487200	NC_021166.1	Ca_kabuli_chr07	7487200	TT	CC	1940379119
SNP_P1_125968_7489066	NC_021166.1	Ca_kabuli_chr07	7489066	GG	CC	1940379121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_125971_7489397	NC_021166.1	Ca_kabuli_chr07	7489397	CC	TT	1940379126
SNP_P1_125972_7491560	NC_021166.1	Ca_kabuli_chr07	7491560	TT	CC	1940379128
SNP_P1_125974_7494570	NC_021166.1	Ca_kabuli_chr07	7494570	AA	GG	1940379130
SNP_P1_125975_7494801	NC_021166.1	Ca_kabuli_chr07	7494801	AA	GG	1940379132
SNP_P1_125976_7496276	NC_021166.1	Ca_kabuli_chr07	7496276	GG	TT	1940379133
SNP_P1_125977_7496340	NC_021166.1	Ca_kabuli_chr07	7496340	TT	CC	1940379135
SNP_P1_125978_7496496	NC_021166.1	Ca_kabuli_chr07	7496496	GG	AA	1940379137
SNP_P1_125979_7498325	NC_021166.1	Ca_kabuli_chr07	7498325	AA	GG	1940379139
SNP_P1_125980_7500448	NC_021166.1	Ca_kabuli_chr07	7500448	AA	GG	1940379140
SNP_P1_125981_7500736	NC_021166.1	Ca_kabuli_chr07	7500736	GG	AA	1940379142
SNP_P1_125982_7500763	NC_021166.1	Ca_kabuli_chr07	7500763	CC	TT	1940379144
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SNP_P1_125984_7501653	NC_021166.1	Ca_kabuli_chr07	7501653	CC	TT	1940379147
SNP_P1_125985_7501655	NC_021166.1	Ca_kabuli_chr07	7501655	GG	TT	1940379149
SNP_P1_125986_7502436	NC_021166.1	Ca_kabuli_chr07	7502436	CC	TT	1940379151
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SNP_P1_125991_7503638	NC_021166.1	Ca_kabuli_chr07	7503638	CC	GG	1940379160
SNP_P1_125992_7503667	NC_021166.1	Ca_kabuli_chr07	7503667	TT	AA	1940379162
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SNP_P1_125998_7504562	NC_021166.1	Ca_kabuli_chr07	7504562	TT	AA	1940379172
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SNP_P1_126001_7505957	NC_021166.1	Ca_kabuli_chr07	7505957	CC	TT	1940379176
SNP_P1_126002_7506014	NC_021166.1	Ca_kabuli_chr07	7506014	AA	CC	1940379177
SNP_P1_126003_7506022	NC_021166.1	Ca_kabuli_chr07	7506022	TT	CC	1940379179
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SNP_P1_126009_7506086	NC_021166.1	Ca_kabuli_chr07	7506086	AA	GG	1940379190
SNP_P1_126010_7506090	NC_021166.1	Ca_kabuli_chr07	7506090	CC	AA	1940379192
SNP_P1_126011_7506242	NC_021166.1	Ca_kabuli_chr07	7506242	TT	GG	1940379193
SNP_P1_126012_7506281	NC_021166.1	Ca_kabuli_chr07	7506281	TT	CC	1940379195

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126015_7507927	NC_021166.1	Ca_kabuli_chr07	7507927	CC	TT	1940379199
SNP_P1_126016_7507966	NC_021166.1	Ca_kabuli_chr07	7507966	CC	TT	1940379200
SNP_P1_126019_7510997	NC_021166.1	Ca_kabuli_chr07	7510997	CC	TT	1940379202
SNP_P1_126020_7511087	NC_021166.1	Ca_kabuli_chr07	7511087	CC	GG	1940379204
SNP_P1_126022_7511158	NC_021166.1	Ca_kabuli_chr07	7511158	TT	CC	1940379206
SNP_P1_126023_7511165	NC_021166.1	Ca_kabuli_chr07	7511165	TT	CC	1940379207
SNP_P1_126024_7511216	NC_021166.1	Ca_kabuli_chr07	7511216	TT	CC	1940379209
SNP_P1_126025_7511227	NC_021166.1	Ca_kabuli_chr07	7511227	AA	GG	1940379211
SNP_P1_126026_7511349	NC_021166.1	Ca_kabuli_chr07	7511349	GG	TT	1940379213
SNP_P1_126027_7511625	NC_021166.1	Ca_kabuli_chr07	7511625	AA	GG	1940379214
SNP_P1_126028_7511632	NC_021166.1	Ca_kabuli_chr07	7511632	TT	GG	1940379216
SNP_P1_126029_7511787	NC_021166.1	Ca_kabuli_chr07	7511787	CC	TT	1940379218
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SNP_P1_126031_7512078	NC_021166.1	Ca_kabuli_chr07	7512078	TT	CC	1940379221
SNP_P1_126032_7512939	NC_021166.1	Ca_kabuli_chr07	7512939	CC	TT	1940379223
SNP_P1_126033_7512951	NC_021166.1	Ca_kabuli_chr07	7512951	AA	GG	1940379225
SNP_P1_126034_7513000	NC_021166.1	Ca_kabuli_chr07	7513000	TT	AA	1940379227
SNP_P1_126035_7513939	NC_021166.1	Ca_kabuli_chr07	7513939	GG	AA	1940379228
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SNP_P1_126037_7514073	NC_021166.1	Ca_kabuli_chr07	7514073	CC	AA	1940379232
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SNP_P1_126040_7514501	NC_021166.1	Ca_kabuli_chr07	7514501	CC	TT	1940379237
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SNP_P1_126049_7514662	NC_021166.1	Ca_kabuli_chr07	7514662	AA	TT	1940379253
SNP_P1_126050_7514695	NC_021166.1	Ca_kabuli_chr07	7514695	GG	AA	1940379255
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SNP_P1_126057_7515125	NC_021166.1	Ca_kabuli_chr07	7515125	CC	TT	1940379266
SNP_P1_126058_7515238	NC_021166.1	Ca_kabuli_chr07	7515238	GG	AA	1940379267
SNP_P1_126059_7515608	NC_021166.1	Ca_kabuli_chr07	7515608	GG	TT	1940379269

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126062_7516492	NC_021166.1	Ca_kabuli_chr07	7516492	AA	CC	1940379274
SNP_P1_126063_7517232	NC_021166.1	Ca_kabuli_chr07	7517232	AA	GG	1940379276
SNP_P1_126066_7520773	NC_021166.1	Ca_kabuli_chr07	7520773	TT	CC	1940379278
SNP_P1_126068_7526928	NC_021166.1	Ca_kabuli_chr07	7526928	GG	AA	1940379280
SNP_P1_126069_7530591	NC_021166.1	Ca_kabuli_chr07	7530591	AA	CC	1940379281
SNP_P1_126070_7530636	NC_021166.1	Ca_kabuli_chr07	7530636	AA	CC	1940379283
SNP_P1_126071_7531628	NC_021166.1	Ca_kabuli_chr07	7531628	GG	AA	1940379285
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SNP_P1_126073_7532120	NC_021166.1	Ca_kabuli_chr07	7532120	AA	TT	1940379288
SNP_P1_126074_7532406	NC_021166.1	Ca_kabuli_chr07	7532406	CC	TT	1940379290
SNP_P1_126075_7532446	NC_021166.1	Ca_kabuli_chr07	7532446	CC	TT	1940379292
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SNP_P1_126078_7535810	NC_021166.1	Ca_kabuli_chr07	7535810	CC	TT	1940379297
SNP_P1_126079_7536095	NC_021166.1	Ca_kabuli_chr07	7536095	TT	CC	1940379299
SNP_P1_126080_7536104	NC_021166.1	Ca_kabuli_chr07	7536104	GG	AA	1940379301
SNP_P1_126081_7536307	NC_021166.1	Ca_kabuli_chr07	7536307	AA	TT	1940379303
SNP_P1_126082_7536316	NC_021166.1	Ca_kabuli_chr07	7536316	TT	AA	1940379304
SNP_P1_126083_7536351	NC_021166.1	Ca_kabuli_chr07	7536351	CC	TT	1940379306
SNP_P1_126084_7537067	NC_021166.1	Ca_kabuli_chr07	7537067	TT	CC	1940379308
SNP_P1_126085_7537076	NC_021166.1	Ca_kabuli_chr07	7537076	AA	CC	1940379310
SNP_P1_126086_7537230	NC_021166.1	Ca_kabuli_chr07	7537230	GG	AA	1940379311
SNP_P1_126087_7537237	NC_021166.1	Ca_kabuli_chr07	7537237	AA	GG	1940379313
SNP_P1_126089_7537287	NC_021166.1	Ca_kabuli_chr07	7537287	AA	GG	1940379315
SNP_P1_126090_7538961	NC_021166.1	Ca_kabuli_chr07	7538961	AA	TT	1940379317
SNP_P1_126091_7539293	NC_021166.1	Ca_kabuli_chr07	7539293	TT	CC	1940379319
SNP_P1_126092_7540144	NC_021166.1	Ca_kabuli_chr07	7540144	TT	CC	1940379320
SNP_P1_126093_7540660	NC_021166.1	Ca_kabuli_chr07	7540660	CC	TT	1940379322
SNP_P1_126094_7541006	NC_021166.1	Ca_kabuli_chr07	7541006	GG	AA	1940379324
SNP_P1_126095_7541441	NC_021166.1	Ca_kabuli_chr07	7541441	GG	TT	1940379325
SNP_P1_126096_7543096	NC_021166.1	Ca_kabuli_chr07	7543096	GG	TT	1940379327
SNP_P1_126097_7543097	NC_021166.1	Ca_kabuli_chr07	7543097	TT	CC	1940379329
SNP_P1_126098_7543154	NC_021166.1	Ca_kabuli_chr07	7543154	AA	CC	1940379331
SNP_P1_126099_7543209	NC_021166.1	Ca_kabuli_chr07	7543209	TT	GG	1940379332
SNP_P1_126101_7544103	NC_021166.1	Ca_kabuli_chr07	7544103	TT	CC	1940379334
SNP_P1_126102_7544280	NC_021166.1	Ca_kabuli_chr07	7544280	AA	GG	1940379336
SNP_P1_126103_7544615	NC_021166.1	Ca_kabuli_chr07	7544615	CC	TT	1940379338
SNP_P1_126104_7545815	NC_021166.1	Ca_kabuli_chr07	7545815	AA	GG	1940379339
SNP_P1_126105_7545884	NC_021166.1	Ca_kabuli_chr07	7545884	CC	AA	1940379341
SNP_P1_126106_7546161	NC_021166.1	Ca_kabuli_chr07	7546161	GG	TT	1940379343

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126109_7547196	NC_021166.1	Ca_kabuli_chr07	7547196	CC	TT	1940379346
SNP_P1_126111_7547798	NC_021166.1	Ca_kabuli_chr07	7547798	AA	TT	1940379348
SNP_P1_126114_7549188	NC_021166.1	Ca_kabuli_chr07	7549188	AA	GG	1940379350
SNP_P1_126116_7550221	NC_021166.1	Ca_kabuli_chr07	7550221	TT	CC	1940379352
SNP_P1_126118_7550878	NC_021166.1	Ca_kabuli_chr07	7550878	AA	TT	1940379353
SNP_P1_126119_7551871	NC_021166.1	Ca_kabuli_chr07	7551871	GG	AA	1940379355
SNP_P1_126120_7552454	NC_021166.1	Ca_kabuli_chr07	7552454	CC	TT	1940379357
SNP_P1_126121_7552464	NC_021166.1	Ca_kabuli_chr07	7552464	TT	CC	1940379359
SNP_P1_126123_7554044	NC_021166.1	Ca_kabuli_chr07	7554044	GG	TT	1940379360
SNP_P1_126124_7554048	NC_021166.1	Ca_kabuli_chr07	7554048	GG	AA	1940379362
SNP_P1_126125_7554234	NC_021166.1	Ca_kabuli_chr07	7554234	AA	GG	1940379364
SNP_P1_126126_7554302	NC_021166.1	Ca_kabuli_chr07	7554302	AA	CC	1940379366
SNP_P1_126127_7554344	NC_021166.1	Ca_kabuli_chr07	7554344	CC	TT	1940379368
SNP_P1_126128_7554346	NC_021166.1	Ca_kabuli_chr07	7554346	AA	GG	1940379369
SNP_P1_126129_7554494	NC_021166.1	Ca_kabuli_chr07	7554494	TT	AA	1940379371
SNP_P1_126130_7554539	NC_021166.1	Ca_kabuli_chr07	7554539	TT	GG	1940379373
SNP_P1_126131_7554748	NC_021166.1	Ca_kabuli_chr07	7554748	AA	GG	1940379375
SNP_P1_126132_7554768	NC_021166.1	Ca_kabuli_chr07	7554768	CC	TT	1940379376
SNP_P1_126133_7554819	NC_021166.1	Ca_kabuli_chr07	7554819	CC	TT	1940379378
SNP_P1_126135_7555147	NC_021166.1	Ca_kabuli_chr07	7555147	TT	CC	1940379380
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SNP_P1_126138_7556232	NC_021166.1	Ca_kabuli_chr07	7556232	TT	CC	1940379385
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SNP_P1_126144_7558106	NC_021166.1	Ca_kabuli_chr07	7558106	TT	AA	1940379392
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SNP_P1_126146_7558471	NC_021166.1	Ca_kabuli_chr07	7558471	CC	TT	1940379396
SNP_P1_126147_7558736	NC_021166.1	Ca_kabuli_chr07	7558736	GG	TT	1940379397
SNP_P1_126148_7561276	NC_021166.1	Ca_kabuli_chr07	7561276	CC	AA	1940379399
SNP_P1_126149_7561284	NC_021166.1	Ca_kabuli_chr07	7561284	AA	GG	1940379401
SNP_P1_126150_7561698	NC_021166.1	Ca_kabuli_chr07	7561698	CC	GG	1940379403
SNP_P1_126151_7561715	NC_021166.1	Ca_kabuli_chr07	7561715	GG	AA	1940379404
SNP_P1_126152_7561940	NC_021166.1	Ca_kabuli_chr07	7561940	AA	GG	1940379406
SNP_P1_126153_7563402	NC_021166.1	Ca_kabuli_chr07	7563402	TT	AA	1940379408
SNP_P1_126154_7563404	NC_021166.1	Ca_kabuli_chr07	7563404	TT	AA	1940379410
SNP_P1_126155_7563603	NC_021166.1	Ca_kabuli_chr07	7563603	CC	TT	1940379411
SNP_P1_126156_7563955	NC_021166.1	Ca_kabuli_chr07	7563955	TT	GG	1940379413
SNP_P1_126157_7564298	NC_021166.1	Ca_kabuli_chr07	7564298	AA	CC	1940379415
SNP_P1_126158_7565636	NC_021166.1	Ca_kabuli_chr07	7565636	AA	GG	1940379417

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126161_7566118	NC_021166.1	Ca_kabuli_chr07	7566118	GG	AA	1940379420
SNP_P1_126162_7566489	NC_021166.1	Ca_kabuli_chr07	7566489	GG	CC	1940379422
SNP_P1_126163_7566494	NC_021166.1	Ca_kabuli_chr07	7566494	TT	CC	1940379424
SNP_P1_126164_7566506	NC_021166.1	Ca_kabuli_chr07	7566506	GG	AA	1940379425
SNP_P1_126165_7566519	NC_021166.1	Ca_kabuli_chr07	7566519	TT	AA	1940379427
SNP_P1_126166_7568423	NC_021166.1	Ca_kabuli_chr07	7568423	GG	AA	1940379429
SNP_P1_126167_7568633	NC_021166.1	Ca_kabuli_chr07	7568633	TT	CC	1940379431
SNP_P1_126168_7570839	NC_021166.1	Ca_kabuli_chr07	7570839	CC	TT	1940379433
SNP_P1_126169_7571404	NC_021166.1	Ca_kabuli_chr07	7571404	TT	CC	1940379434
SNP_P1_126170_7571442	NC_021166.1	Ca_kabuli_chr07	7571442	CC	TT	1940379436
SNP_P1_126171_7572093	NC_021166.1	Ca_kabuli_chr07	7572093	TT	GG	1940379438
SNP_P1_126172_7572155	NC_021166.1	Ca_kabuli_chr07	7572155	AA	GG	1940379440
SNP_P1_126174_7572456	NC_021166.1	Ca_kabuli_chr07	7572456	GG	AA	1940379441
SNP_P1_126175_7572763	NC_021166.1	Ca_kabuli_chr07	7572763	AA	GG	1940379443
SNP_P1_126177_7577118	NC_021166.1	Ca_kabuli_chr07	7577118	TT	CC	1940379445
SNP_P1_126178_7577253	NC_021166.1	Ca_kabuli_chr07	7577253	GG	CC	1940379446
SNP_P1_126179_7577285	NC_021166.1	Ca_kabuli_chr07	7577285	AA	GG	1940379448
SNP_P1_126180_7577290	NC_021166.1	Ca_kabuli_chr07	7577290	TT	GG	1940379450
SNP_P1_126181_7577409	NC_021166.1	Ca_kabuli_chr07	7577409	AA	GG	1940379452
SNP_P1_126182_7577430	NC_021166.1	Ca_kabuli_chr07	7577430	TT	CC	1940379454
SNP_P1_126183_7577431	NC_021166.1	Ca_kabuli_chr07	7577431	GG	CC	1940379455
SNP_P1_126184_7577435	NC_021166.1	Ca_kabuli_chr07	7577435	CC	AA	1940379457
SNP_P1_126185_7577466	NC_021166.1	Ca_kabuli_chr07	7577466	AA	GG	1940379459
SNP_P1_126186_7578737	NC_021166.1	Ca_kabuli_chr07	7578737	CC	GG	1940379461
SNP_P1_126187_7578752	NC_021166.1	Ca_kabuli_chr07	7578752	GG	AA	1940379462
SNP_P1_126188_7578765	NC_021166.1	Ca_kabuli_chr07	7578765	TT	CC	1940379464
SNP_P1_126189_7578775	NC_021166.1	Ca_kabuli_chr07	7578775	CC	TT	1940379466
SNP_P1_126190_7578782	NC_021166.1	Ca_kabuli_chr07	7578782	GG	AA	1940379468
SNP_P1_126191_7578823	NC_021166.1	Ca_kabuli_chr07	7578823	GG	CC	1940379469
SNP_P1_126192_7580676	NC_021166.1	Ca_kabuli_chr07	7580676	TT	CC	1940379471
SNP_P1_126193_7580680	NC_021166.1	Ca_kabuli_chr07	7580680	AA	GG	1940379473
SNP_P1_126194_7580775	NC_021166.1	Ca_kabuli_chr07	7580775	GG	TT	1940379475
SNP_P1_126195_7580782	NC_021166.1	Ca_kabuli_chr07	7580782	GG	AA	1940379476
SNP_P1_126196_7581373	NC_021166.1	Ca_kabuli_chr07	7581373	GG	AA	1940379478
SNP_P1_126197_7581398	NC_021166.1	Ca_kabuli_chr07	7581398	GG	AA	1940379480
SNP_P1_126198_7582156	NC_021166.1	Ca_kabuli_chr07	7582156	AA	GG	1940379482
SNP_P1_126199_7584125	NC_021166.1	Ca_kabuli_chr07	7584125	CC	AA	1940379483
SNP_P1_126200_7585322	NC_021166.1	Ca_kabuli_chr07	7585322	TT	AA	1940379485
SNP_P1_126201_7585739	NC_021166.1	Ca_kabuli_chr07	7585739	CC	TT	1940379487
SNP_P1_126202_7585932	NC_021166.1	Ca_kabuli_chr07	7585932	GG	AA	1940379489
SNP_P1_126203_7586858	NC_021166.1	Ca_kabuli_chr07	7586858	GG	AA	1940379491

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126205_7588071	NC_021166.1	Ca_kabuli_chr07	7588071	AA	TT	1940379494
SNP_P1_126206_7588795	NC_021166.1	Ca_kabuli_chr07	7588795	CC	AA	1940379496
SNP_P1_126207_7588891	NC_021166.1	Ca_kabuli_chr07	7588891	AA	CC	1940379498
SNP_P1_126208_7590690	NC_021166.1	Ca_kabuli_chr07	7590690	GG	TT	1940379499
SNP_P1_126209_7591092	NC_021166.1	Ca_kabuli_chr07	7591092	TT	CC	1940379501
SNP_P1_126210_7591103	NC_021166.1	Ca_kabuli_chr07	7591103	GG	AA	1940379503
SNP_P1_126211_7591151	NC_021166.1	Ca_kabuli_chr07	7591151	CC	TT	1940379505
SNP_P1_126212_7593128	NC_021166.1	Ca_kabuli_chr07	7593128	AA	GG	1940379506
SNP_P1_126213_7593242	NC_021166.1	Ca_kabuli_chr07	7593242	AA	GG	1940379508
SNP_P1_126214_7593291	NC_021166.1	Ca_kabuli_chr07	7593291	AA	TT	1940379510
SNP_P1_126215_7593313	NC_021166.1	Ca_kabuli_chr07	7593313	AA	GG	1940379511
SNP_P1_126216_7593332	NC_021166.1	Ca_kabuli_chr07	7593332	AA	TT	1940379513
SNP_P1_126217_7593398	NC_021166.1	Ca_kabuli_chr07	7593398	TT	CC	1940379515
SNP_P1_126218_7593408	NC_021166.1	Ca_kabuli_chr07	7593408	AA	TT	1940379517
SNP_P1_126219_7593420	NC_021166.1	Ca_kabuli_chr07	7593420	AA	GG	1940379518
SNP_P1_126220_7593598	NC_021166.1	Ca_kabuli_chr07	7593598	TT	CC	1940379520
SNP_P1_126221_7593913	NC_021166.1	Ca_kabuli_chr07	7593913	GG	CC	1940379522
SNP_P1_126222_7593959	NC_021166.1	Ca_kabuli_chr07	7593959	GG	AA	1940379524
SNP_P1_126224_7594284	NC_021166.1	Ca_kabuli_chr07	7594284	AA	GG	1940379525
SNP_P1_126225_7594316	NC_021166.1	Ca_kabuli_chr07	7594316	AA	GG	1940379527
SNP_P1_126226_7594588	NC_021166.1	Ca_kabuli_chr07	7594588	AA	CC	1940379529
SNP_P1_126227_7596161	NC_021166.1	Ca_kabuli_chr07	7596161	CC	TT	1940379531
SNP_P1_126228_7596320	NC_021166.1	Ca_kabuli_chr07	7596320	GG	CC	1940379532
SNP_P1_126229_7596321	NC_021166.1	Ca_kabuli_chr07	7596321	CC	AA	1940379534
SNP_P1_126230_7597410	NC_021166.1	Ca_kabuli_chr07	7597410	AA	TT	1940379536
SNP_P1_126231_7597782	NC_021166.1	Ca_kabuli_chr07	7597782	TT	GG	1940379538
SNP_P1_126233_7597827	NC_021166.1	Ca_kabuli_chr07	7597827	GG	TT	1940379540
SNP_P1_126234_7598334	NC_021166.1	Ca_kabuli_chr07	7598334	CC	TT	1940379541
SNP_P1_126235_7598934	NC_021166.1	Ca_kabuli_chr07	7598934	AA	GG	1940379543
SNP_P1_126236_7599068	NC_021166.1	Ca_kabuli_chr07	7599068	CC	TT	1940379545
SNP_P1_126237_7599085	NC_021166.1	Ca_kabuli_chr07	7599085	GG	TT	1940379547
SNP_P1_126238_7599183	NC_021166.1	Ca_kabuli_chr07	7599183	GG	AA	1940379549
SNP_P1_126239_7602423	NC_021166.1	Ca_kabuli_chr07	7602423	TT	GG	1940379550
SNP_P1_126240_7602679	NC_021166.1	Ca_kabuli_chr07	7602679	AA	GG	1940379552
SNP_P1_126241_7604643	NC_021166.1	Ca_kabuli_chr07	7604643	AA	TT	1940379554
SNP_P1_126242_7606858	NC_021166.1	Ca_kabuli_chr07	7606858	TT	CC	1940379556
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SNP_P1_126244_7608007	NC_021166.1	Ca_kabuli_chr07	7608007	TT	GG	1940379559
SNP_P1_126245_7608051	NC_021166.1	Ca_kabuli_chr07	7608051	AA	GG	1940379561
SNP_P1_126246_7608207	NC_021166.1	Ca_kabuli_chr07	7608207	CC	TT	1940379563
SNP_P1_126247_7608221	NC_021166.1	Ca_kabuli_chr07	7608221	TT	CC	1940379564

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126250_7608269	NC_021166.1	Ca_kabuli_chr07	7608269	AA	GG	1940379570
SNP_P1_126251_7608477	NC_021166.1	Ca_kabuli_chr07	7608477	AA	GG	1940379571
SNP_P1_126252_7608480	NC_021166.1	Ca_kabuli_chr07	7608480	GG	CC	1940379573
SNP_P1_126253_7608517	NC_021166.1	Ca_kabuli_chr07	7608517	AA	GG	1940379575
SNP_P1_126254_7608534	NC_021166.1	Ca_kabuli_chr07	7608534	AA	TT	1940379577
SNP_P1_126255_7608659	NC_021166.1	Ca_kabuli_chr07	7608659	AA	GG	1940379579
SNP_P1_126256_7608679	NC_021166.1	Ca_kabuli_chr07	7608679	TT	GG	1940379580
SNP_P1_126257_7608704	NC_021166.1	Ca_kabuli_chr07	7608704	TT	AA	1940379582
SNP_P1_126259_7609121	NC_021166.1	Ca_kabuli_chr07	7609121	TT	GG	1940379584
SNP_P1_126260_7611768	NC_021166.1	Ca_kabuli_chr07	7611768	AA	TT	1940379586
SNP_P1_126261_7612810	NC_021166.1	Ca_kabuli_chr07	7612810	CC	TT	1940379587
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SNP_P1_126265_7613915	NC_021166.1	Ca_kabuli_chr07	7613915	TT	CC	1940379593
SNP_P1_126266_7613935	NC_021166.1	Ca_kabuli_chr07	7613935	AA	TT	1940379595
SNP_P1_126267_7613948	NC_021166.1	Ca_kabuli_chr07	7613948	CC	AA	1940379596
SNP_P1_126268_7613989	NC_021166.1	Ca_kabuli_chr07	7613989	CC	TT	1940379598
SNP_P1_126269_7614807	NC_021166.1	Ca_kabuli_chr07	7614807	AA	TT	1940379600
SNP_P1_126270_7614822	NC_021166.1	Ca_kabuli_chr07	7614822	TT	CC	1940379602
SNP_P1_126271_7615178	NC_021166.1	Ca_kabuli_chr07	7615178	TT	CC	1940379603
SNP_P1_126272_7615187	NC_021166.1	Ca_kabuli_chr07	7615187	TT	CC	1940379605
SNP_P1_126273_7615243	NC_021166.1	Ca_kabuli_chr07	7615243	AA	GG	1940379607
SNP_P1_126274_7615453	NC_021166.1	Ca_kabuli_chr07	7615453	GG	TT	1940379609
SNP_P1_126275_7615460	NC_021166.1	Ca_kabuli_chr07	7615460	CC	TT	1940379610
SNP_P1_126276_7615472	NC_021166.1	Ca_kabuli_chr07	7615472	CC	TT	1940379612
SNP_P1_126277_7615484	NC_021166.1	Ca_kabuli_chr07	7615484	GG	AA	1940379614
SNP_P1_126278_7615555	NC_021166.1	Ca_kabuli_chr07	7615555	GG	TT	1940379616
SNP_P1_126279_7615556	NC_021166.1	Ca_kabuli_chr07	7615556	TT	CC	1940379618
SNP_P1_126280_7615637	NC_021166.1	Ca_kabuli_chr07	7615637	TT	CC	1940379619
SNP_P1_126281_7615638	NC_021166.1	Ca_kabuli_chr07	7615638	GG	AA	1940379621
SNP_P1_126282_7616375	NC_021166.1	Ca_kabuli_chr07	7616375	GG	AA	1940379623
SNP_P1_126283_7616755	NC_021166.1	Ca_kabuli_chr07	7616755	GG	TT	1940379625
SNP_P1_126284_7616810	NC_021166.1	Ca_kabuli_chr07	7616810	AA	GG	1940379626
SNP_P1_126285_7617165	NC_021166.1	Ca_kabuli_chr07	7617165	AA	GG	1940379628
SNP_P1_126286_7617170	NC_021166.1	Ca_kabuli_chr07	7617170	CC	TT	1940379630
SNP_P1_126287_7617886	NC_021166.1	Ca_kabuli_chr07	7617886	CC	TT	1940379632
SNP_P1_126288_7618713	NC_021166.1	Ca_kabuli_chr07	7618713	AA	GG	1940379633
SNP_P1_126289_7618747	NC_021166.1	Ca_kabuli_chr07	7618747	CC	TT	1940379635
SNP_P1_126290_7618761	NC_021166.1	Ca_kabuli_chr07	7618761	GG	AA	1940379637
SNP_P1_126291_7618776	NC_021166.1	Ca_kabuli_chr07	7618776	GG	AA	1940379639

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_126292_7619356	NC_021166.1	Ca_kabuli_chr07	7619356	CC	TT	1940379640
SNP_P1_126293_7619947	NC_021166.1	Ca_kabuli_chr07	7619947	TT	CC	1940379642
SNP_P1_126295_7620324	NC_021166.1	Ca_kabuli_chr07	7620324	GG	AA	1940379644
SNP_P1_126296_7620437	NC_021166.1	Ca_kabuli_chr07	7620437	TT	CC	1940379646
SNP_P1_126297_7620438	NC_021166.1	Ca_kabuli_chr07	7620438	GG	AA	1940379647
SNP_P1_126298_7620442	NC_021166.1	Ca_kabuli_chr07	7620442	CC	AA	1940379649
SNP_P1_126300_7623719	NC_021166.1	Ca_kabuli_chr07	7623719	AA	TT	1940379651
SNP_P1_126301_7624594	NC_021166.1	Ca_kabuli_chr07	7624594	GG	TT	1940379653
SNP_P1_126302_7624697	NC_021166.1	Ca_kabuli_chr07	7624697	GG	AA	1940379655
SNP_P1_126303_7625277	NC_021166.1	Ca_kabuli_chr07	7625277	AA	TT	1940379657
SNP_P1_126306_7626541	NC_021166.1	Ca_kabuli_chr07	7626541	TT	GG	1940379658
SNP_P1_126307_7626610	NC_021166.1	Ca_kabuli_chr07	7626610	GG	TT	1940379660
SNP_P1_126308_7626630	NC_021166.1	Ca_kabuli_chr07	7626630	CC	TT	1940379662
SNP_P1_126310_7626815	NC_021166.1	Ca_kabuli_chr07	7626815	GG	AA	1940379664
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SNP_P1_126312_7627383	NC_021166.1	Ca_kabuli_chr07	7627383	AA	GG	1940379667
SNP_P1_126313_7627404	NC_021166.1	Ca_kabuli_chr07	7627404	TT	CC	1940379669
SNP_P1_126314_7627407	NC_021166.1	Ca_kabuli_chr07	7627407	GG	AA	1940379671
SNP_P1_126315_7627860	NC_021166.1	Ca_kabuli_chr07	7627860	CC	TT	1940379672
SNP_P1_126316_7629350	NC_021166.1	Ca_kabuli_chr07	7629350	GG	AA	1940379674
SNP_P1_126317_7629522	NC_021166.1	Ca_kabuli_chr07	7629522	TT	CC	1940379676
SNP_P1_126318_7632768	NC_021166.1	Ca_kabuli_chr07	7632768	AA	GG	1940379678
SNP_P1_126319_7633177	NC_021166.1	Ca_kabuli_chr07	7633177	TT	CC	1940379680
SNP_P1_126320_7633186	NC_021166.1	Ca_kabuli_chr07	7633186	TT	CC	1940379681
SNP_P1_126322_7633928	NC_021166.1	Ca_kabuli_chr07	7633928	TT	CC	1940379683
SNP_P1_126323_7633959	NC_021166.1	Ca_kabuli_chr07	7633959	AA	GG	1940379685
SNP_P1_126324_7634193	NC_021166.1	Ca_kabuli_chr07	7634193	TT	CC	1940379687
SNP_P1_126325_7634495	NC_021166.1	Ca_kabuli_chr07	7634495	TT	CC	1940379688
SNP_P1_126326_7634618	NC_021166.1	Ca_kabuli_chr07	7634618	GG	TT	1940379690
SNP_P1_126327_7635670	NC_021166.1	Ca_kabuli_chr07	7635670	TT	AA	1940379692
SNP_P1_126328_7635730	NC_021166.1	Ca_kabuli_chr07	7635730	CC	TT	1940379694
SNP_P1_126330_7637088	NC_021166.1	Ca_kabuli_chr07	7637088	CC	TT	1940379695
SNP_P1_126331_7637131	NC_021166.1	Ca_kabuli_chr07	7637131	AA	CC	1940379697
SNP_P1_126332_7637160	NC_021166.1	Ca_kabuli_chr07	7637160	CC	TT	1940379699
SNP_P1_126333_7637729	NC_021166.1	Ca_kabuli_chr07	7637729	CC	TT	1940379701
SNP_P1_126334_7637857	NC_021166.1	Ca_kabuli_chr07	7637857	CC	TT	1940379702
SNP_P1_126336_7637903	NC_021166.1	Ca_kabuli_chr07	7637903	AA	GG	1940379704
SNP_P1_126337_7637918	NC_021166.1	Ca_kabuli_chr07	7637918	TT	CC	1940379706
SNP_P1_126338_7638009	NC_021166.1	Ca_kabuli_chr07	7638009	TT	CC	1940379708
SNP_P1_126339_7640224	NC_021166.1	Ca_kabuli_chr07	7640224	AA	GG	1940379709
SNP_P1_126340_7640262	NC_021166.1	Ca_kabuli_chr07	7640262	CC	TT	1940379711
SNP_P1_126341_7640580	NC_021166.1	Ca_kabuli_chr07	7640580	TT	AA	1940379713

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126343_7640642	NC_021166.1	Ca_kabuli_chr07	7640642	GG	AA	1940379716
SNP_P1_126344_7642178	NC_021166.1	Ca_kabuli_chr07	7642178	TT	GG	1940379718
SNP_P1_126345_7642186	NC_021166.1	Ca_kabuli_chr07	7642186	AA	GG	1940379720
SNP_P1_126346_7642312	NC_021166.1	Ca_kabuli_chr07	7642312	CC	TT	1940379722
SNP_P1_126347_7642777	NC_021166.1	Ca_kabuli_chr07	7642777	CC	TT	1940379724
SNP_P1_126348_7642810	NC_021166.1	Ca_kabuli_chr07	7642810	CC	TT	1940379725
SNP_P1_126349_7643141	NC_021166.1	Ca_kabuli_chr07	7643141	GG	AA	1940379727
SNP_P1_126351_7651470	NC_021166.1	Ca_kabuli_chr07	7651470	GG	AA	1940379729
SNP_P1_126352_7653188	NC_021166.1	Ca_kabuli_chr07	7653188	TT	AA	1940379731
SNP_P1_126353_7654470	NC_021166.1	Ca_kabuli_chr07	7654470	TT	GG	1940379732
SNP_P1_126355_7654541	NC_021166.1	Ca_kabuli_chr07	7654541	GG	AA	1940379734
SNP_P1_126356_7654558	NC_021166.1	Ca_kabuli_chr07	7654558	GG	AA	1940379736
SNP_P1_126357_7654842	NC_021166.1	Ca_kabuli_chr07	7654842	AA	TT	1940379738
SNP_P1_126358_7654843	NC_021166.1	Ca_kabuli_chr07	7654843	CC	AA	1940379739
SNP_P1_126359_7654845	NC_021166.1	Ca_kabuli_chr07	7654845	GG	AA	1940379741
SNP_P1_126360_7654901	NC_021166.1	Ca_kabuli_chr07	7654901	GG	AA	1940379743
SNP_P1_126363_7657636	NC_021166.1	Ca_kabuli_chr07	7657636	CC	GG	1940379745
SNP_P1_126364_7657655	NC_021166.1	Ca_kabuli_chr07	7657655	TT	CC	1940379746
SNP_P1_126365_7658281	NC_021166.1	Ca_kabuli_chr07	7658281	GG	AA	1940379748
SNP_P1_126366_7661630	NC_021166.1	Ca_kabuli_chr07	7661630	TT	GG	1940379750
SNP_P1_126367_7663564	NC_021166.1	Ca_kabuli_chr07	7663564	AA	GG	1940379752
SNP_P1_126368_7665719	NC_021166.1	Ca_kabuli_chr07	7665719	TT	AA	1940379753
SNP_P1_126369_7665736	NC_021166.1	Ca_kabuli_chr07	7665736	GG	TT	1940379755
SNP_P1_126370_7666027	NC_021166.1	Ca_kabuli_chr07	7666027	TT	CC	1940379757
SNP_P1_126371_7667733	NC_021166.1	Ca_kabuli_chr07	7667733	TT	CC	1940379759
SNP_P1_126372_7668030	NC_021166.1	Ca_kabuli_chr07	7668030	TT	CC	1940379760
SNP_P1_126373_7668643	NC_021166.1	Ca_kabuli_chr07	7668643	CC	TT	1940379762
SNP_P1_126375_7668722	NC_021166.1	Ca_kabuli_chr07	7668722	GG	AA	1940379764
SNP_P1_126376_7669393	NC_021166.1	Ca_kabuli_chr07	7669393	CC	GG	1940379766
SNP_P1_126377_7669394	NC_021166.1	Ca_kabuli_chr07	7669394	AA	GG	1940379767
SNP_P1_126378_7669398	NC_021166.1	Ca_kabuli_chr07	7669398	AA	GG	1940379769
SNP_P1_126379_7669469	NC_021166.1	Ca_kabuli_chr07	7669469	CC	TT	1940379771
SNP_P1_126380_7669673	NC_021166.1	Ca_kabuli_chr07	7669673	GG	AA	1940379773
SNP_P1_126381_7669675	NC_021166.1	Ca_kabuli_chr07	7669675	CC	TT	1940379774
SNP_P1_126383_7669719	NC_021166.1	Ca_kabuli_chr07	7669719	TT	CC	1940379776
SNP_P1_126384_7669908	NC_021166.1	Ca_kabuli_chr07	7669908	TT	CC	1940379778
SNP_P1_126385_7669924	NC_021166.1	Ca_kabuli_chr07	7669924	TT	CC	1940379780
SNP_P1_126386_7669929	NC_021166.1	Ca_kabuli_chr07	7669929	CC	TT	1940379781
SNP_P1_126387_7670057	NC_021166.1	Ca_kabuli_chr07	7670057	TT	AA	1940379783
SNP_P1_126388_7670062	NC_021166.1	Ca_kabuli_chr07	7670062	TT	GG	1940379785
SNP_P1_126389_7670070	NC_021166.1	Ca_kabuli_chr07	7670070	TT	AA	1940379787

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_126390_7670286	NC_021166.1	Ca_kabuli_chr07	7670286	AA	GG	1940379789
SNP_P1_126391_7670299	NC_021166.1	Ca_kabuli_chr07	7670299	AA	TT	1940379790
SNP_P1_126392_7670332	NC_021166.1	Ca_kabuli_chr07	7670332	CC	TT	1940379792
SNP_P1_126393_7671658	NC_021166.1	Ca_kabuli_chr07	7671658	GG	CC	1940379794
SNP_P1_126394_7671727	NC_021166.1	Ca_kabuli_chr07	7671727	TT	CC	1940379796
SNP_P1_126395_7671736	NC_021166.1	Ca_kabuli_chr07	7671736	CC	TT	1940379797
SNP_P1_126397_7671879	NC_021166.1	Ca_kabuli_chr07	7671879	GG	CC	1940379799
SNP_P1_126398_7671894	NC_021166.1	Ca_kabuli_chr07	7671894	CC	GG	1940379801
SNP_P1_126399_7672082	NC_021166.1	Ca_kabuli_chr07	7672082	GG	AA	1940379803
SNP_P1_126400_7672321	NC_021166.1	Ca_kabuli_chr07	7672321	TT	CC	1940379804
SNP_P1_126401_7672340	NC_021166.1	Ca_kabuli_chr07	7672340	CC	TT	1940379806
SNP_P1_126402_7672346	NC_021166.1	Ca_kabuli_chr07	7672346	TT	AA	1940379808
SNP_P1_126403_7672347	NC_021166.1	Ca_kabuli_chr07	7672347	AA	GG	1940379810
SNP_P1_126404_7672348	NC_021166.1	Ca_kabuli_chr07	7672348	TT	CC	1940379812
SNP_P1_126405_7672371	NC_021166.1	Ca_kabuli_chr07	7672371	TT	CC	1940379813
SNP_P1_126406_7672384	NC_021166.1	Ca_kabuli_chr07	7672384	GG	AA	1940379815
SNP_P1_126407_7672385	NC_021166.1	Ca_kabuli_chr07	7672385	TT	CC	1940379817
SNP_P1_126408_7672392	NC_021166.1	Ca_kabuli_chr07	7672392	CC	TT	1940379819
SNP_P1_126409_7672524	NC_021166.1	Ca_kabuli_chr07	7672524	AA	GG	1940379820
SNP_P1_126410_7672823	NC_021166.1	Ca_kabuli_chr07	7672823	GG	TT	1940379822
SNP_P1_126411_7673285	NC_021166.1	Ca_kabuli_chr07	7673285	AA	CC	1940379824
SNP_P1_126412_7673721	NC_021166.1	Ca_kabuli_chr07	7673721	CC	TT	1940379826
SNP_P1_126413_7673769	NC_021166.1	Ca_kabuli_chr07	7673769	TT	CC	1940379827
SNP_P1_126414_7674144	NC_021166.1	Ca_kabuli_chr07	7674144	GG	TT	1940379829
SNP_P1_126416_7674229	NC_021166.1	Ca_kabuli_chr07	7674229	GG	AA	1940379831
SNP_P1_126417_7674965	NC_021166.1	Ca_kabuli_chr07	7674965	CC	GG	1940379833
SNP_P1_126418_7677750	NC_021166.1	Ca_kabuli_chr07	7677750	AA	CC	1940379834
SNP_P1_126419_7678187	NC_021166.1	Ca_kabuli_chr07	7678187	AA	GG	1940379836
SNP_P1_126420_7678222	NC_021166.1	Ca_kabuli_chr07	7678222	GG	CC	1940379838
SNP_P1_126421_7678363	NC_021166.1	Ca_kabuli_chr07	7678363	TT	CC	1940379840
SNP_P1_126422_7680305	NC_021166.1	Ca_kabuli_chr07	7680305	AA	TT	1940379841
SNP_P1_126423_7680340	NC_021166.1	Ca_kabuli_chr07	7680340	GG	AA	1940379843
SNP_P1_126424_7680694	NC_021166.1	Ca_kabuli_chr07	7680694	AA	GG	1940379845
SNP_P1_126425_7681059	NC_021166.1	Ca_kabuli_chr07	7681059	TT	CC	1940379847
SNP_P1_126426_7681061	NC_021166.1	Ca_kabuli_chr07	7681061	AA	TT	1940379849
SNP_P1_126427_7681219	NC_021166.1	Ca_kabuli_chr07	7681219	AA	TT	1940379850
SNP_P1_126428_7681220	NC_021166.1	Ca_kabuli_chr07	7681220	TT	AA	1940379852
SNP_P1_126429_7681229	NC_021166.1	Ca_kabuli_chr07	7681229	AA	TT	1940379854
SNP_P1_126430_7681679	NC_021166.1	Ca_kabuli_chr07	7681679	AA	CC	1940379856
SNP_P1_126431_7681822	NC_021166.1	Ca_kabuli_chr07	7681822	CC	GG	1940379857
SNP_P1_126432_7681832	NC_021166.1	Ca_kabuli_chr07	7681832	GG	AA	1940379859
SNP_P1_126433_7681922	NC_021166.1	Ca_kabuli_chr07	7681922	TT	AA	1940379861

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_126434_7681987	NC_021166.1	Ca_kabuli_chr07	7681987	TT	AA	1940379863
SNP_P1_126435_7682001	NC_021166.1	Ca_kabuli_chr07	7682001	TT	CC	1940379864
SNP_P1_126436_7682054	NC_021166.1	Ca_kabuli_chr07	7682054	GG	AA	1940379866
SNP_P1_126437_7682056	NC_021166.1	Ca_kabuli_chr07	7682056	AA	GG	1940379868
SNP_P1_126438_7682270	NC_021166.1	Ca_kabuli_chr07	7682270	GG	AA	1940379870
SNP_P1_126440_7682385	NC_021166.1	Ca_kabuli_chr07	7682385	TT	GG	1940379871
SNP_P1_126441_7682398	NC_021166.1	Ca_kabuli_chr07	7682398	CC	TT	1940379873
SNP_P1_126442_7682403	NC_021166.1	Ca_kabuli_chr07	7682403	CC	AA	1940379875
SNP_P1_126443_7682404	NC_021166.1	Ca_kabuli_chr07	7682404	AA	TT	1940379877
SNP_P1_126445_7682636	NC_021166.1	Ca_kabuli_chr07	7682636	TT	CC	1940379879
SNP_P1_126446_7682928	NC_021166.1	Ca_kabuli_chr07	7682928	TT	AA	1940379880
SNP_P1_126447_7682929	NC_021166.1	Ca_kabuli_chr07	7682929	AA	TT	1940379882
SNP_P1_126448_7682944	NC_021166.1	Ca_kabuli_chr07	7682944	GG	AA	1940379884
SNP_P1_126449_7682962	NC_021166.1	Ca_kabuli_chr07	7682962	CC	AA	1940379886
SNP_P1_126450_7682976	NC_021166.1	Ca_kabuli_chr07	7682976	AA	GG	1940379887
SNP_P1_126451_7683066	NC_021166.1	Ca_kabuli_chr07	7683066	AA	TT	1940379889
SNP_P1_126452_7683088	NC_021166.1	Ca_kabuli_chr07	7683088	GG	AA	1940379891
SNP_P1_126453_7683094	NC_021166.1	Ca_kabuli_chr07	7683094	AA	GG	1940379893
SNP_P1_126455_7683213	NC_021166.1	Ca_kabuli_chr07	7683213	TT	CC	1940379894
SNP_P1_126456_7683267	NC_021166.1	Ca_kabuli_chr07	7683267	CC	TT	1940379896
SNP_P1_126457_7683309	NC_021166.1	Ca_kabuli_chr07	7683309	TT	CC	1940379898
SNP_P1_126458_7683512	NC_021166.1	Ca_kabuli_chr07	7683512	CC	TT	1940379900
SNP_P1_126459_7683518	NC_021166.1	Ca_kabuli_chr07	7683518	CC	TT	1940379901
SNP_P1_126460_7683863	NC_021166.1	Ca_kabuli_chr07	7683863	GG	AA	1940379903
SNP_P1_126462_7684227	NC_021166.1	Ca_kabuli_chr07	7684227	AA	TT	1940379905
SNP_P1_126463_7685049	NC_021166.1	Ca_kabuli_chr07	7685049	AA	TT	1940379907
SNP_P1_126464_7685264	NC_021166.1	Ca_kabuli_chr07	7685264	TT	CC	1940379908
SNP_P1_126465_7685335	NC_021166.1	Ca_kabuli_chr07	7685335	AA	TT	1940379910
SNP_P1_126466_7685939	NC_021166.1	Ca_kabuli_chr07	7685939	GG	CC	1940379912
SNP_P1_126467_7686166	NC_021166.1	Ca_kabuli_chr07	7686166	GG	CC	1940379914
SNP_P1_126468_7686173	NC_021166.1	Ca_kabuli_chr07	7686173	TT	AA	1940379915
SNP_P1_126470_7686213	NC_021166.1	Ca_kabuli_chr07	7686213	GG	AA	1940379917
SNP_P1_126471_7686257	NC_021166.1	Ca_kabuli_chr07	7686257	CC	TT	1940379919
SNP_P1_126472_7687224	NC_021166.1	Ca_kabuli_chr07	7687224	GG	AA	1940379921
SNP_P1_126473_7687230	NC_021166.1	Ca_kabuli_chr07	7687230	CC	GG	1940379922
SNP_P1_126474_7687267	NC_021166.1	Ca_kabuli_chr07	7687267	AA	CC	1940379924
SNP_P1_126475_7687291	NC_021166.1	Ca_kabuli_chr07	7687291	CC	AA	1940379926
SNP_P1_126476_7687328	NC_021166.1	Ca_kabuli_chr07	7687328	GG	TT	1940379928
SNP_P1_126478_7687607	NC_021166.1	Ca_kabuli_chr07	7687607	TT	CC	1940379930
SNP_P1_126479_7687627	NC_021166.1	Ca_kabuli_chr07	7687627	CC	TT	1940379931
SNP_P1_126480_7687634	NC_021166.1	Ca_kabuli_chr07	7687634	CC	TT	1940379933
SNP_P1_126481_7687665	NC_021166.1	Ca_kabuli_chr07	7687665	AA	CC	1940379935

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126483_7688061	NC_021166.1	Ca_kabuli_chr07	7688061	GG	AA	1940379938
SNP_P1_126485_7688471	NC_021166.1	Ca_kabuli_chr07	7688471	TT	AA	1940379940
SNP_P1_126486_7689100	NC_021166.1	Ca_kabuli_chr07	7689100	CC	TT	1940379942
SNP_P1_126487_7689120	NC_021166.1	Ca_kabuli_chr07	7689120	CC	GG	1940379944
SNP_P1_126488_7689122	NC_021166.1	Ca_kabuli_chr07	7689122	TT	CC	1940379945
SNP_P1_126489_7689177	NC_021166.1	Ca_kabuli_chr07	7689177	TT	CC	1940379947
SNP_P1_126490_7689231	NC_021166.1	Ca_kabuli_chr07	7689231	AA	GG	1940379949
SNP_P1_126491_7689233	NC_021166.1	Ca_kabuli_chr07	7689233	GG	AA	1940379951
SNP_P1_126492_7689237	NC_021166.1	Ca_kabuli_chr07	7689237	AA	CC	1940379952
SNP_P1_126493_7689265	NC_021166.1	Ca_kabuli_chr07	7689265	AA	GG	1940379954
SNP_P1_126494_7689268	NC_021166.1	Ca_kabuli_chr07	7689268	TT	CC	1940379956
SNP_P1_126495_7689327	NC_021166.1	Ca_kabuli_chr07	7689327	TT	GG	1940379957
SNP_P1_126496_7689394	NC_021166.1	Ca_kabuli_chr07	7689394	AA	GG	1940379958
SNP_P1_126497_7689415	NC_021166.1	Ca_kabuli_chr07	7689415	TT	CC	1940379960
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SNP_P1_126500_7689680	NC_021166.1	Ca_kabuli_chr07	7689680	AA	TT	1940379965
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SNP_P1_126512_7691225	NC_021166.1	Ca_kabuli_chr07	7691225	GG	AA	1940379985
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SNP_P1_126517_7691518	NC_021166.1	Ca_kabuli_chr07	7691518	CC	TT	1940379994
SNP_P1_126518_7691572	NC_021166.1	Ca_kabuli_chr07	7691572	TT	AA	1940379996
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SNP_P1_126520_7691629	NC_021166.1	Ca_kabuli_chr07	7691629	TT	AA	1940379999
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SNP_P1_126524_7692043	NC_021166.1	Ca_kabuli_chr07	7692043	CC	TT	1940380004
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SNP_P1_126526_7692942	NC_021166.1	Ca_kabuli_chr07	7692942	GG	AA	1940380008

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126531_7693867	NC_021166.1	Ca_kabuli_chr07	7693867	GG	AA	1940380017
SNP_P1_126532_7694187	NC_021166.1	Ca_kabuli_chr07	7694187	CC	TT	1940380018
SNP_P1_126533_7694500	NC_021166.1	Ca_kabuli_chr07	7694500	GG	AA	1940380020
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SNP_P1_126537_7698974	NC_021166.1	Ca_kabuli_chr07	7698974	AA	GG	1940380024
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SNP_P1_126539_7701060	NC_021166.1	Ca_kabuli_chr07	7701060	GG	AA	1940380027
SNP_P1_126540_7701437	NC_021166.1	Ca_kabuli_chr07	7701437	TT	CC	1940380029
SNP_P1_126541_7701557	NC_021166.1	Ca_kabuli_chr07	7701557	AA	GG	1940380031
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SNP_P1_126562_7723262	NC_021166.1	Ca_kabuli_chr07	7723262	GG	TT	1940380061
SNP_P1_126564_7725501	NC_021166.1	Ca_kabuli_chr07	7725501	AA	GG	1940380062
SNP_P1_126565_7729502	NC_021166.1	Ca_kabuli_chr07	7729502	GG	AA	1940380064
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SNP_P1_126569_7737963	NC_021166.1	Ca_kabuli_chr07	7737963	TT	GG	1940380071
SNP_P1_126570_7737970	NC_021166.1	Ca_kabuli_chr07	7737970	TT	GG	1940380073
SNP_P1_126571_7737997	NC_021166.1	Ca_kabuli_chr07	7737997	TT	CC	1940380075
SNP_P1_126573_7738089	NC_021166.1	Ca_kabuli_chr07	7738089	GG	AA	1940380077
SNP_P1_126574_7738128	NC_021166.1	Ca_kabuli_chr07	7738128	TT	GG	1940380078
SNP_P1_126575_7738138	NC_021166.1	Ca_kabuli_chr07	7738138	AA	GG	1940380080
SNP_P1_126577_7738245	NC_021166.1	Ca_kabuli_chr07	7738245	AA	GG	1940380082

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126580_7738483	NC_021166.1	Ca_kabuli_chr07	7738483	AA	GG	1940380087
SNP_P1_126581_7738508	NC_021166.1	Ca_kabuli_chr07	7738508	AA	GG	1940380089
SNP_P1_126583_7738695	NC_021166.1	Ca_kabuli_chr07	7738695	TT	GG	1940380091
SNP_P1_126584_7738708	NC_021166.1	Ca_kabuli_chr07	7738708	AA	GG	1940380093
SNP_P1_126585_7738854	NC_021166.1	Ca_kabuli_chr07	7738854	GG	AA	1940380094
SNP_P1_126586_7738920	NC_021166.1	Ca_kabuli_chr07	7738920	AA	GG	1940380096
SNP_P1_126587_7738930	NC_021166.1	Ca_kabuli_chr07	7738930	TT	CC	1940380098
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SNP_P1_126589_7738965	NC_021166.1	Ca_kabuli_chr07	7738965	TT	CC	1940380101
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SNP_P1_126611_7763789	NC_021166.1	Ca_kabuli_chr07	7763789	CC	TT	1940380137
SNP_P1_126612_7763975	NC_021166.1	Ca_kabuli_chr07	7763975	CC	TT	1940380138
SNP_P1_126613_7769148	NC_021166.1	Ca_kabuli_chr07	7769148	CC	AA	1940380140
SNP_P1_126614_7769482	NC_021166.1	Ca_kabuli_chr07	7769482	AA	CC	1940380142
SNP_P1_126615_7770155	NC_021166.1	Ca_kabuli_chr07	7770155	GG	AA	1940380144
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SNP_P1_126617_7776671	NC_021166.1	Ca_kabuli_chr07	7776671	AA	GG	1940380147
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SNP_P1_126620_7776946	NC_021166.1	Ca_kabuli_chr07	7776946	CC	AA	1940380153
SNP_P1_126621_7776952	NC_021166.1	Ca_kabuli_chr07	7776952	CC	GG	1940380154
SNP_P1_126622_7776956	NC_021166.1	Ca_kabuli_chr07	7776956	AA	GG	1940380156

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126625_7791858	NC_021166.1	Ca_kabuli_chr07	7791858	TT	CC	1940380161
SNP_P1_126626_7792172	NC_021166.1	Ca_kabuli_chr07	7792172	GG	AA	1940380163
SNP_P1_126627_7792521	NC_021166.1	Ca_kabuli_chr07	7792521	CC	TT	1940380165
SNP_P1_126628_7795407	NC_021166.1	Ca_kabuli_chr07	7795407	GG	TT	1940380167
SNP_P1_126629_7795786	NC_021166.1	Ca_kabuli_chr07	7795786	AA	GG	1940380168
SNP_P1_126630_7797243	NC_021166.1	Ca_kabuli_chr07	7797243	GG	AA	1940380170
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SNP_P1_126632_7797298	NC_021166.1	Ca_kabuli_chr07	7797298	GG	AA	1940380174
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SNP_P1_126670_7848298	NC_021166.1	Ca_kabuli_chr07	7848298	TT	CC	1940380230

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126675_7850219	NC_021166.1	Ca_kabuli_chr07	7850219	CC	TT	1940380237
SNP_P1_126676_7850420	NC_021166.1	Ca_kabuli_chr07	7850420	CC	AA	1940380239
SNP_P1_126677_7850441	NC_021166.1	Ca_kabuli_chr07	7850441	GG	CC	1940380241
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SNP_P1_126683_7851468	NC_021166.1	Ca_kabuli_chr07	7851468	AA	TT	1940380249
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SNP_P1_126688_7856552	NC_021166.1	Ca_kabuli_chr07	7856552	TT	CC	1940380258
SNP_P1_126689_7856857	NC_021166.1	Ca_kabuli_chr07	7856857	AA	GG	1940380260
SNP_P1_126690_7856988	NC_021166.1	Ca_kabuli_chr07	7856988	CC	TT	1940380262
SNP_P1_126691_7857474	NC_021166.1	Ca_kabuli_chr07	7857474	GG	AA	1940380263
SNP_P1_126693_7858808	NC_021166.1	Ca_kabuli_chr07	7858808	GG	CC	1940380265
SNP_P1_126694_7858818	NC_021166.1	Ca_kabuli_chr07	7858818	CC	GG	1940380267
SNP_P1_126695_7859076	NC_021166.1	Ca_kabuli_chr07	7859076	GG	TT	1940380269
SNP_P1_126696_7859230	NC_021166.1	Ca_kabuli_chr07	7859230	GG	AA	1940380270
SNP_P1_126697_7859266	NC_021166.1	Ca_kabuli_chr07	7859266	GG	CC	1940380272
SNP_P1_126698_7859299	NC_021166.1	Ca_kabuli_chr07	7859299	GG	AA	1940380274
SNP_P1_126699_7859334	NC_021166.1	Ca_kabuli_chr07	7859334	AA	CC	1940380276
SNP_P1_126700_7860877	NC_021166.1	Ca_kabuli_chr07	7860877	TT	CC	1940380277
SNP_P1_126701_7860951	NC_021166.1	Ca_kabuli_chr07	7860951	GG	AA	1940380279
SNP_P1_126702_7860954	NC_021166.1	Ca_kabuli_chr07	7860954	AA	GG	1940380281
SNP_P1_126703_7861057	NC_021166.1	Ca_kabuli_chr07	7861057	TT	AA	1940380283
SNP_P1_126705_7861095	NC_021166.1	Ca_kabuli_chr07	7861095	CC	TT	1940380284
SNP_P1_126708_7861694	NC_021166.1	Ca_kabuli_chr07	7861694	CC	TT	1940380286
SNP_P1_126710_7862000	NC_021166.1	Ca_kabuli_chr07	7862000	AA	GG	1940380288
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SNP_P1_126712_7862552	NC_021166.1	Ca_kabuli_chr07	7862552	AA	TT	1940380291
SNP_P1_126713_7862582	NC_021166.1	Ca_kabuli_chr07	7862582	TT	CC	1940380293
SNP_P1_126714_7862902	NC_021166.1	Ca_kabuli_chr07	7862902	CC	TT	1940380295
SNP_P1_126715_7864956	NC_021166.1	Ca_kabuli_chr07	7864956	TT	CC	1940380297
SNP_P1_126716_7864975	NC_021166.1	Ca_kabuli_chr07	7864975	TT	CC	1940380298
SNP_P1_126717_7865350	NC_021166.1	Ca_kabuli_chr07	7865350	AA	TT	1940380300
SNP_P1_126718_7865374	NC_021166.1	Ca_kabuli_chr07	7865374	CC	TT	1940380302
SNP_P1_126720_7865687	NC_021166.1	Ca_kabuli_chr07	7865687	CC	TT	1940380304

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126723_7866057	NC_021166.1	Ca_kabuli_chr07	7866057	GG	TT	1940380307
SNP_P1_126724_7866566	NC_021166.1	Ca_kabuli_chr07	7866566	AA	GG	1940380309
SNP_P1_126725_7866730	NC_021166.1	Ca_kabuli_chr07	7866730	CC	TT	1940380310
SNP_P1_126726_7866734	NC_021166.1	Ca_kabuli_chr07	7866734	AA	GG	1940380312
SNP_P1_126727_7866739	NC_021166.1	Ca_kabuli_chr07	7866739	TT	CC	1940380314
SNP_P1_126728_7866742	NC_021166.1	Ca_kabuli_chr07	7866742	AA	TT	1940380316
SNP_P1_126729_7866788	NC_021166.1	Ca_kabuli_chr07	7866788	TT	GG	1940380317
SNP_P1_126730_7866798	NC_021166.1	Ca_kabuli_chr07	7866798	TT	AA	1940380319
SNP_P1_126731_7866967	NC_021166.1	Ca_kabuli_chr07	7866967	GG	TT	1940380321
SNP_P1_126733_7867925	NC_021166.1	Ca_kabuli_chr07	7867925	CC	TT	1940380323
SNP_P1_126734_7868057	NC_021166.1	Ca_kabuli_chr07	7868057	TT	CC	1940380324
SNP_P1_126735_7868101	NC_021166.1	Ca_kabuli_chr07	7868101	CC	GG	1940380326
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SNP_P1_126740_7870747	NC_021166.1	Ca_kabuli_chr07	7870747	TT	GG	1940380333
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SNP_P1_126745_7871949	NC_021166.1	Ca_kabuli_chr07	7871949	GG	CC	1940380342
SNP_P1_126746_7872446	NC_021166.1	Ca_kabuli_chr07	7872446	TT	CC	1940380344
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SNP_P1_126755_7878282	NC_021166.1	Ca_kabuli_chr07	7878282	GG	CC	1940380356
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SNP_P1_126761_7881531	NC_021166.1	Ca_kabuli_chr07	7881531	CC	TT	1940380359
SNP_P1_126762_7881535	NC_021166.1	Ca_kabuli_chr07	7881535	CC	TT	1940380361
SNP_P1_126763_7881546	NC_021166.1	Ca_kabuli_chr07	7881546	TT	CC	1940380363
SNP_P1_126764_7881575	NC_021166.1	Ca_kabuli_chr07	7881575	CC	TT	1940380364
SNP_P1_126765_7881772	NC_021166.1	Ca_kabuli_chr07	7881772	AA	GG	1940380366
SNP_P1_126766_7881778	NC_021166.1	Ca_kabuli_chr07	7881778	TT	CC	1940380368
SNP_P1_126767_7881789	NC_021166.1	Ca_kabuli_chr07	7881789	GG	AA	1940380370
SNP_P1_126768_7881831	NC_021166.1	Ca_kabuli_chr07	7881831	GG	AA	1940380371
SNP_P1_126769_7884432	NC_021166.1	Ca_kabuli_chr07	7884432	AA	TT	1940380373
SNP_P1_126771_7884656	NC_021166.1	Ca_kabuli_chr07	7884656	TT	AA	1940380375
SNP_P1_126773_7886409	NC_021166.1	Ca_kabuli_chr07	7886409	GG	AA	1940380377

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126776_7886793	NC_021166.1	Ca_kabuli_chr07	7886793	GG	AA	1940380382
SNP_P1_126777_7887690	NC_021166.1	Ca_kabuli_chr07	7887690	AA	TT	1940380384
SNP_P1_126778_7887831	NC_021166.1	Ca_kabuli_chr07	7887831	CC	TT	1940380386
SNP_P1_126779_7887843	NC_021166.1	Ca_kabuli_chr07	7887843	CC	GG	1940380387
SNP_P1_126780_7887867	NC_021166.1	Ca_kabuli_chr07	7887867	GG	AA	1940380389
SNP_P1_126781_7887951	NC_021166.1	Ca_kabuli_chr07	7887951	AA	GG	1940380391
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SNP_P1_126784_7888073	NC_021166.1	Ca_kabuli_chr07	7888073	CC	TT	1940380394
SNP_P1_126785_7888074	NC_021166.1	Ca_kabuli_chr07	7888074	TT	GG	1940380396
SNP_P1_126786_7888531	NC_021166.1	Ca_kabuli_chr07	7888531	GG	AA	1940380398
SNP_P1_126788_7893864	NC_021166.1	Ca_kabuli_chr07	7893864	AA	GG	1940380400
SNP_P1_126789_7893911	NC_021166.1	Ca_kabuli_chr07	7893911	GG	TT	1940380401
SNP_P1_126791_7894258	NC_021166.1	Ca_kabuli_chr07	7894258	CC	TT	1940380403
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SNP_P1_126799_7899751	NC_021166.1	Ca_kabuli_chr07	7899751	AA	TT	1940380415
SNP_P1_126800_7899753	NC_021166.1	Ca_kabuli_chr07	7899753	AA	GG	1940380417
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SNP_P1_126811_7902049	NC_021166.1	Ca_kabuli_chr07	7902049	TT	AA	1940380437
SNP_P1_126812_7902359	NC_021166.1	Ca_kabuli_chr07	7902359	TT	CC	1940380439
SNP_P1_126813_7902413	NC_021166.1	Ca_kabuli_chr07	7902413	AA	GG	1940380440
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SNP_P1_126815_7903083	NC_021166.1	Ca_kabuli_chr07	7903083	GG	AA	1940380444
SNP_P1_126816_7903086	NC_021166.1	Ca_kabuli_chr07	7903086	GG	AA	1940380446
SNP_P1_126817_7903107	NC_021166.1	Ca_kabuli_chr07	7903107	GG	AA	1940380447
SNP_P1_126818_7903343	NC_021166.1	Ca_kabuli_chr07	7903343	AA	TT	1940380449
SNP_P1_126819_7903375	NC_021166.1	Ca_kabuli_chr07	7903375	AA	GG	1940380451

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126822_7907873	NC_021166.1	Ca_kabuli_chr07	7907873	CC	AA	1940380456
SNP_P1_126823_7909700	NC_021166.1	Ca_kabuli_chr07	7909700	AA	GG	1940380458
SNP_P1_126824_7910168	NC_021166.1	Ca_kabuli_chr07	7910168	CC	TT	1940380460
SNP_P1_126825_7910176	NC_021166.1	Ca_kabuli_chr07	7910176	CC	AA	1940380462
SNP_P1_126826_7910785	NC_021166.1	Ca_kabuli_chr07	7910785	AA	GG	1940380463
SNP_P1_126828_7910942	NC_021166.1	Ca_kabuli_chr07	7910942	TT	GG	1940380465
SNP_P1_126829_7911240	NC_021166.1	Ca_kabuli_chr07	7911240	AA	GG	1940380467
SNP_P1_126830_7911261	NC_021166.1	Ca_kabuli_chr07	7911261	GG	AA	1940380469
SNP_P1_126831_7911467	NC_021166.1	Ca_kabuli_chr07	7911467	GG	AA	1940380470
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SNP_P1_126845_7913589	NC_021166.1	Ca_kabuli_chr07	7913589	GG	AA	1940380492
SNP_P1_126846_7913700	NC_021166.1	Ca_kabuli_chr07	7913700	AA	GG	1940380493
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SNP_P1_126851_7919139	NC_021166.1	Ca_kabuli_chr07	7919139	CC	TT	1940380502
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SNP_P1_126856_7921960	NC_021166.1	Ca_kabuli_chr07	7921960	TT	CC	1940380507
SNP_P1_126857_7921988	NC_021166.1	Ca_kabuli_chr07	7921988	GG	AA	1940380509
SNP_P1_126858_7922010	NC_021166.1	Ca_kabuli_chr07	7922010	AA	GG	1940380511
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SNP_P1_126860_7922232	NC_021166.1	Ca_kabuli_chr07	7922232	AA	GG	1940380514
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SNP_P1_126863_7923673	NC_021166.1	Ca_kabuli_chr07	7923673	CC	TT	1940380520
SNP_P1_126864_7923700	NC_021166.1	Ca_kabuli_chr07	7923700	TT	GG	1940380521
SNP_P1_126865_7923746	NC_021166.1	Ca_kabuli_chr07	7923746	GG	AA	1940380523
SNP_P1_126866_7923796	NC_021166.1	Ca_kabuli_chr07	7923796	GG	AA	1940380525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126870_7923885	NC_021166.1	Ca_kabuli_chr07	7923885	AA	GG	1940380530
SNP_P1_126871_7923905	NC_021166.1	Ca_kabuli_chr07	7923905	CC	TT	1940380532
SNP_P1_126872_7923908	NC_021166.1	Ca_kabuli_chr07	7923908	GG	AA	1940380534
SNP_P1_126873_7923922	NC_021166.1	Ca_kabuli_chr07	7923922	TT	GG	1940380535
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SNP_P1_126876_7924079	NC_021166.1	Ca_kabuli_chr07	7924079	AA	GG	1940380541
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SNP_P1_126878_7927167	NC_021166.1	Ca_kabuli_chr07	7927167	CC	TT	1940380544
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SNP_P1_126884_7931632	NC_021166.1	Ca_kabuli_chr07	7931632	CC	AA	1940380553
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SNP_P1_126890_7934723	NC_021166.1	Ca_kabuli_chr07	7934723	CC	TT	1940380563
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SNP_P1_126892_7938097	NC_021166.1	Ca_kabuli_chr07	7938097	TT	CC	1940380567
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SNP_P1_126896_7941004	NC_021166.1	Ca_kabuli_chr07	7941004	AA	CC	1940380574
SNP_P1_126898_7942308	NC_021166.1	Ca_kabuli_chr07	7942308	TT	AA	1940380576
SNP_P1_126899_7942318	NC_021166.1	Ca_kabuli_chr07	7942318	TT	GG	1940380577
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SNP_P1_126901_7942345	NC_021166.1	Ca_kabuli_chr07	7942345	AA	GG	1940380581
SNP_P1_126902_7942640	NC_021166.1	Ca_kabuli_chr07	7942640	TT	CC	1940380583
SNP_P1_126903_7942781	NC_021166.1	Ca_kabuli_chr07	7942781	GG	AA	1940380585
SNP_P1_126904_7943832	NC_021166.1	Ca_kabuli_chr07	7943832	AA	TT	1940380586
SNP_P1_126905_7944054	NC_021166.1	Ca_kabuli_chr07	7944054	TT	AA	1940380588
SNP_P1_126906_7944322	NC_021166.1	Ca_kabuli_chr07	7944322	AA	CC	1940380590
SNP_P1_126907_7944500	NC_021166.1	Ca_kabuli_chr07	7944500	AA	TT	1940380592
SNP_P1_126908_7944893	NC_021166.1	Ca_kabuli_chr07	7944893	AA	TT	1940380593
SNP_P1_126909_7944909	NC_021166.1	Ca_kabuli_chr07	7944909	AA	CC	1940380595
SNP_P1_126911_7945838	NC_021166.1	Ca_kabuli_chr07	7945838	CC	GG	1940380597
SNP_P1_126912_7945874	NC_021166.1	Ca_kabuli_chr07	7945874	CC	TT	1940380599

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126914_7946350	NC_021166.1	Ca_kabuli_chr07	7946350	TT	CC	1940380602
SNP_P1_126916_7947008	NC_021166.1	Ca_kabuli_chr07	7947008	TT	CC	1940380604
SNP_P1_126917_7947043	NC_021166.1	Ca_kabuli_chr07	7947043	CC	AA	1940380606
SNP_P1_126919_7948682	NC_021166.1	Ca_kabuli_chr07	7948682	AA	GG	1940380607
SNP_P1_126920_7948684	NC_021166.1	Ca_kabuli_chr07	7948684	AA	GG	1940380609
SNP_P1_126921_7948714	NC_021166.1	Ca_kabuli_chr07	7948714	AA	TT	1940380611
SNP_P1_126922_7948755	NC_021166.1	Ca_kabuli_chr07	7948755	TT	CC	1940380613
SNP_P1_126923_7948791	NC_021166.1	Ca_kabuli_chr07	7948791	TT	AA	1940380614
SNP_P1_126924_7948792	NC_021166.1	Ca_kabuli_chr07	7948792	AA	GG	1940380616
SNP_P1_126925_7948806	NC_021166.1	Ca_kabuli_chr07	7948806	GG	AA	1940380618
SNP_P1_126926_7948885	NC_021166.1	Ca_kabuli_chr07	7948885	GG	AA	1940380620
SNP_P1_126927_7948977	NC_021166.1	Ca_kabuli_chr07	7948977	CC	GG	1940380621
SNP_P1_126928_7949231	NC_021166.1	Ca_kabuli_chr07	7949231	GG	AA	1940380623
SNP_P1_126929_7949290	NC_021166.1	Ca_kabuli_chr07	7949290	GG	CC	1940380625
SNP_P1_126930_7949714	NC_021166.1	Ca_kabuli_chr07	7949714	TT	AA	1940380627
SNP_P1_126932_7950565	NC_021166.1	Ca_kabuli_chr07	7950565	TT	GG	1940380628
SNP_P1_126933_7951219	NC_021166.1	Ca_kabuli_chr07	7951219	TT	CC	1940380630
SNP_P1_126934_7952099	NC_021166.1	Ca_kabuli_chr07	7952099	GG	CC	1940380632
SNP_P1_126936_7952406	NC_021166.1	Ca_kabuli_chr07	7952406	AA	GG	1940380634
SNP_P1_126938_7953364	NC_021166.1	Ca_kabuli_chr07	7953364	TT	AA	1940380635
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SNP_P1_126940_7953663	NC_021166.1	Ca_kabuli_chr07	7953663	AA	GG	1940380639
SNP_P1_126941_7953881	NC_021166.1	Ca_kabuli_chr07	7953881	CC	TT	1940380640
SNP_P1_126942_7954046	NC_021166.1	Ca_kabuli_chr07	7954046	CC	TT	1940380642
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SNP_P1_126946_7954197	NC_021166.1	Ca_kabuli_chr07	7954197	GG	AA	1940380649
SNP_P1_126947_7954199	NC_021166.1	Ca_kabuli_chr07	7954199	GG	CC	1940380651
SNP_P1_126948_7954203	NC_021166.1	Ca_kabuli_chr07	7954203	GG	CC	1940380653
SNP_P1_126950_7954408	NC_021166.1	Ca_kabuli_chr07	7954408	CC	TT	1940380655
SNP_P1_126952_7957887	NC_021166.1	Ca_kabuli_chr07	7957887	TT	GG	1940380656
SNP_P1_126953_7957892	NC_021166.1	Ca_kabuli_chr07	7957892	TT	GG	1940380658
SNP_P1_126954_7957940	NC_021166.1	Ca_kabuli_chr07	7957940	GG	AA	1940380660
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SNP_P1_126956_7957943	NC_021166.1	Ca_kabuli_chr07	7957943	CC	TT	1940380663
SNP_P1_126957_7958036	NC_021166.1	Ca_kabuli_chr07	7958036	AA	GG	1940380665
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SNP_P1_126961_7959516	NC_021166.1	Ca_kabuli_chr07	7959516	GG	AA	1940380669
SNP_P1_126962_7959528	NC_021166.1	Ca_kabuli_chr07	7959528	CC	TT	1940380670
SNP_P1_126964_7959785	NC_021166.1	Ca_kabuli_chr07	7959785	TT	CC	1940380672

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_126966_7960024	NC_021166.1	Ca_kabuli_chr07	7960024	AA	CC	1940380676
SNP_P1_126967_7960100	NC_021166.1	Ca_kabuli_chr07	7960100	GG	AA	1940380677
SNP_P1_126968_7960115	NC_021166.1	Ca_kabuli_chr07	7960115	TT	CC	1940380679
SNP_P1_126969_7960476	NC_021166.1	Ca_kabuli_chr07	7960476	GG	AA	1940380681
SNP_P1_126970_7961784	NC_021166.1	Ca_kabuli_chr07	7961784	TT	CC	1940380683
SNP_P1_126971_7961838	NC_021166.1	Ca_kabuli_chr07	7961838	AA	TT	1940380684
SNP_P1_126972_7961848	NC_021166.1	Ca_kabuli_chr07	7961848	AA	GG	1940380686
SNP_P1_126975_7963100	NC_021166.1	Ca_kabuli_chr07	7963100	GG	TT	1940380688
SNP_P1_126976_7963128	NC_021166.1	Ca_kabuli_chr07	7963128	CC	AA	1940380690
SNP_P1_126977_7963385	NC_021166.1	Ca_kabuli_chr07	7963385	GG	TT	1940380691
SNP_P1_126978_7963933	NC_021166.1	Ca_kabuli_chr07	7963933	GG	TT	1940380693
SNP_P1_126979_7966134	NC_021166.1	Ca_kabuli_chr07	7966134	GG	AA	1940380695
SNP_P1_126980_7966267	NC_021166.1	Ca_kabuli_chr07	7966267	TT	CC	1940380697
SNP_P1_126981_7966274	NC_021166.1	Ca_kabuli_chr07	7966274	CC	AA	1940380698
SNP_P1_126982_7966294	NC_021166.1	Ca_kabuli_chr07	7966294	AA	GG	1940380700
SNP_P1_126983_7966406	NC_021166.1	Ca_kabuli_chr07	7966406	TT	CC	1940380702
SNP_P1_126984_7966570	NC_021166.1	Ca_kabuli_chr07	7966570	CC	TT	1940380704
SNP_P1_126985_7967695	NC_021166.1	Ca_kabuli_chr07	7967695	GG	TT	1940380705
SNP_P1_126986_7967736	NC_021166.1	Ca_kabuli_chr07	7967736	GG	TT	1940380707
SNP_P1_126987_7968073	NC_021166.1	Ca_kabuli_chr07	7968073	TT	CC	1940380709
SNP_P1_126988_7968986	NC_021166.1	Ca_kabuli_chr07	7968986	TT	GG	1940380711
SNP_P1_126989_7969018	NC_021166.1	Ca_kabuli_chr07	7969018	AA	GG	1940380712
SNP_P1_126990_7969073	NC_021166.1	Ca_kabuli_chr07	7969073	AA	GG	1940380714
SNP_P1_126991_7969084	NC_021166.1	Ca_kabuli_chr07	7969084	CC	TT	1940380716
SNP_P1_126992_7969123	NC_021166.1	Ca_kabuli_chr07	7969123	AA	TT	1940380718
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SNP_P1_126994_7969141	NC_021166.1	Ca_kabuli_chr07	7969141	CC	AA	1940380721
SNP_P1_126995_7969160	NC_021166.1	Ca_kabuli_chr07	7969160	AA	GG	1940380723
SNP_P1_126996_7969173	NC_021166.1	Ca_kabuli_chr07	7969173	AA	GG	1940380725
SNP_P1_126997_7969196	NC_021166.1	Ca_kabuli_chr07	7969196	AA	TT	1940380726
SNP_P1_126998_7969215	NC_021166.1	Ca_kabuli_chr07	7969215	GG	AA	1940380728
SNP_P1_126999_7969243	NC_021166.1	Ca_kabuli_chr07	7969243	AA	TT	1940380730
SNP_P1_127000_7969244	NC_021166.1	Ca_kabuli_chr07	7969244	GG	TT	1940380732
SNP_P1_127001_7969605	NC_021166.1	Ca_kabuli_chr07	7969605	GG	AA	1940380733
SNP_P1_127002_7970595	NC_021166.1	Ca_kabuli_chr07	7970595	AA	TT	1940380735
SNP_P1_127003_7970709	NC_021166.1	Ca_kabuli_chr07	7970709	CC	GG	1940380737
SNP_P1_127004_7970711	NC_021166.1	Ca_kabuli_chr07	7970711	GG	CC	1940380739
SNP_P1_127005_7974193	NC_021166.1	Ca_kabuli_chr07	7974193	CC	GG	1940380740
SNP_P1_127006_7976723	NC_021166.1	Ca_kabuli_chr07	7976723	GG	TT	1940380742
SNP_P1_127007_7976826	NC_021166.1	Ca_kabuli_chr07	7976826	TT	GG	1940380744
SNP_P1_127008_7977326	NC_021166.1	Ca_kabuli_chr07	7977326	GG	AA	1940380746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127011_7978104	NC_021166.1	Ca_kabuli_chr07	7978104	AA	GG	1940380749
SNP_P1_127012_7978342	NC_021166.1	Ca_kabuli_chr07	7978342	TT	CC	1940380751
SNP_P1_127013_7978531	NC_021166.1	Ca_kabuli_chr07	7978531	CC	TT	1940380753
SNP_P1_127014_7979539	NC_021166.1	Ca_kabuli_chr07	7979539	CC	AA	1940380755
SNP_P1_127015_7979593	NC_021166.1	Ca_kabuli_chr07	7979593	AA	TT	1940380756
SNP_P1_127016_7979613	NC_021166.1	Ca_kabuli_chr07	7979613	TT	CC	1940380758
SNP_P1_127017_7981881	NC_021166.1	Ca_kabuli_chr07	7981881	CC	TT	1940380760
SNP_P1_127018_7981900	NC_021166.1	Ca_kabuli_chr07	7981900	CC	AA	1940380762
SNP_P1_127019_7981935	NC_021166.1	Ca_kabuli_chr07	7981935	CC	GG	1940380763
SNP_P1_127020_7982163	NC_021166.1	Ca_kabuli_chr07	7982163	CC	TT	1940380765
SNP_P1_127021_7982237	NC_021166.1	Ca_kabuli_chr07	7982237	GG	AA	1940380767
SNP_P1_127022_7985312	NC_021166.1	Ca_kabuli_chr07	7985312	AA	GG	1940380769
SNP_P1_127023_7985546	NC_021166.1	Ca_kabuli_chr07	7985546	CC	TT	1940380770
SNP_P1_127024_7985681	NC_021166.1	Ca_kabuli_chr07	7985681	TT	CC	1940380772
SNP_P1_127025_7987721	NC_021166.1	Ca_kabuli_chr07	7987721	TT	CC	1940380774
SNP_P1_127026_7988067	NC_021166.1	Ca_kabuli_chr07	7988067	GG	AA	1940380776
SNP_P1_127027_7988072	NC_021166.1	Ca_kabuli_chr07	7988072	GG	TT	1940380777
SNP_P1_127028_7988091	NC_021166.1	Ca_kabuli_chr07	7988091	TT	AA	1940380779
SNP_P1_127029_7988231	NC_021166.1	Ca_kabuli_chr07	7988231	AA	CC	1940380781
SNP_P1_127030_7988411	NC_021166.1	Ca_kabuli_chr07	7988411	TT	CC	1940380783
SNP_P1_127031_7989227	NC_021166.1	Ca_kabuli_chr07	7989227	TT	CC	1940380784
SNP_P1_127032_7989883	NC_021166.1	Ca_kabuli_chr07	7989883	TT	GG	1940380786
SNP_P1_127033_7990159	NC_021166.1	Ca_kabuli_chr07	7990159	AA	GG	1940380788
SNP_P1_127035_7995654	NC_021166.1	Ca_kabuli_chr07	7995654	TT	CC	1940380790
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SNP_P1_127040_7998440	NC_021166.1	Ca_kabuli_chr07	7998440	GG	AA	1940380798
SNP_P1_127041_7998692	NC_021166.1	Ca_kabuli_chr07	7998692	AA	GG	1940380800
SNP_P1_127042_7998701	NC_021166.1	Ca_kabuli_chr07	7998701	GG	AA	1940380802
SNP_P1_127043_7998799	NC_021166.1	Ca_kabuli_chr07	7998799	CC	AA	1940380804
SNP_P1_127045_8002157	NC_021166.1	Ca_kabuli_chr07	8002157	GG	AA	1940380805
SNP_P1_127046_8002782	NC_021166.1	Ca_kabuli_chr07	8002782	CC	TT	1940380807
SNP_P1_127047_8002816	NC_021166.1	Ca_kabuli_chr07	8002816	GG	AA	1940380809
SNP_P1_127048_8002833	NC_021166.1	Ca_kabuli_chr07	8002833	TT	AA	1940380811
SNP_P1_127049_8004449	NC_021166.1	Ca_kabuli_chr07	8004449	CC	TT	1940380813
SNP_P1_127050_8005460	NC_021166.1	Ca_kabuli_chr07	8005460	TT	CC	1940380814
SNP_P1_127051_8005520	NC_021166.1	Ca_kabuli_chr07	8005520	GG	AA	1940380816
SNP_P1_127052_8007418	NC_021166.1	Ca_kabuli_chr07	8007418	CC	TT	1940380818
SNP_P1_127053_8008249	NC_021166.1	Ca_kabuli_chr07	8008249	CC	TT	1940380820

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127056_8010678	NC_021166.1	Ca_kabuli_chr07	8010678	GG	AA	1940380823
SNP_P1_127057_8010687	NC_021166.1	Ca_kabuli_chr07	8010687	TT	GG	1940380825
SNP_P1_127058_8010702	NC_021166.1	Ca_kabuli_chr07	8010702	GG	TT	1940380827
SNP_P1_127061_8010977	NC_021166.1	Ca_kabuli_chr07	8010977	AA	TT	1940380828
SNP_P1_127062_8010994	NC_021166.1	Ca_kabuli_chr07	8010994	CC	TT	1940380830
SNP_P1_127063_8011010	NC_021166.1	Ca_kabuli_chr07	8011010	GG	TT	1940380832
SNP_P1_127064_8011842	NC_021166.1	Ca_kabuli_chr07	8011842	TT	CC	1940380834
SNP_P1_127066_8016439	NC_021166.1	Ca_kabuli_chr07	8016439	CC	TT	1940380835
SNP_P1_127068_8017368	NC_021166.1	Ca_kabuli_chr07	8017368	TT	CC	1940380837
SNP_P1_127069_8017471	NC_021166.1	Ca_kabuli_chr07	8017471	GG	AA	1940380839
SNP_P1_127070_8017518	NC_021166.1	Ca_kabuli_chr07	8017518	CC	TT	1940380841
SNP_P1_127071_8017642	NC_021166.1	Ca_kabuli_chr07	8017642	GG	AA	1940380842
SNP_P1_127072_8017690	NC_021166.1	Ca_kabuli_chr07	8017690	TT	AA	1940380844
SNP_P1_127073_8017704	NC_021166.1	Ca_kabuli_chr07	8017704	CC	AA	1940380846
SNP_P1_127074_8017708	NC_021166.1	Ca_kabuli_chr07	8017708	TT	CC	1940380848
SNP_P1_127075_8017722	NC_021166.1	Ca_kabuli_chr07	8017722	TT	CC	1940380849
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SNP_P1_127077_8017896	NC_021166.1	Ca_kabuli_chr07	8017896	GG	AA	1940380853
SNP_P1_127078_8017958	NC_021166.1	Ca_kabuli_chr07	8017958	GG	AA	1940380855
SNP_P1_127079_8018846	NC_021166.1	Ca_kabuli_chr07	8018846	AA	TT	1940380856
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SNP_P1_127082_8021924	NC_021166.1	Ca_kabuli_chr07	8021924	GG	TT	1940380860
SNP_P1_127083_8022119	NC_021166.1	Ca_kabuli_chr07	8022119	CC	TT	1940380862
SNP_P1_127084_8022143	NC_021166.1	Ca_kabuli_chr07	8022143	GG	CC	1940380863
SNP_P1_127085_8022320	NC_021166.1	Ca_kabuli_chr07	8022320	AA	CC	1940380865
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SNP_P1_127093_8031267	NC_021166.1	Ca_kabuli_chr07	8031267	CC	TT	1940380876
SNP_P1_127094_8031275	NC_021166.1	Ca_kabuli_chr07	8031275	CC	TT	1940380877
SNP_P1_127095_8031299	NC_021166.1	Ca_kabuli_chr07	8031299	AA	GG	1940380879
SNP_P1_127096_8031574	NC_021166.1	Ca_kabuli_chr07	8031574	GG	AA	1940380881
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SNP_P1_127098_8031654	NC_021166.1	Ca_kabuli_chr07	8031654	TT	CC	1940380884
SNP_P1_127099_8031664	NC_021166.1	Ca_kabuli_chr07	8031664	TT	GG	1940380886
SNP_P1_127100_8031989	NC_021166.1	Ca_kabuli_chr07	8031989	TT	GG	1940380888
SNP_P1_127101_8031996	NC_021166.1	Ca_kabuli_chr07	8031996	CC	TT	1940380890
SNP_P1_127103_8034144	NC_021166.1	Ca_kabuli_chr07	8034144	TT	CC	1940380891
SNP_P1_127104_8034202	NC_021166.1	Ca_kabuli_chr07	8034202	CC	AA	1940380893

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127107_8036988	NC_021166.1	Ca_kabuli_chr07	8036988	GG	AA	1940380898
SNP_P1_127108_8037012	NC_021166.1	Ca_kabuli_chr07	8037012	AA	GG	1940380900
SNP_P1_127109_8037342	NC_021166.1	Ca_kabuli_chr07	8037342	GG	CC	1940380902
SNP_P1_127110_8037346	NC_021166.1	Ca_kabuli_chr07	8037346	TT	AA	1940380904
SNP_P1_127111_8037357	NC_021166.1	Ca_kabuli_chr07	8037357	TT	AA	1940380906
SNP_P1_127112_8039274	NC_021166.1	Ca_kabuli_chr07	8039274	GG	AA	1940380907
SNP_P1_127113_8039316	NC_021166.1	Ca_kabuli_chr07	8039316	CC	TT	1940380909
SNP_P1_127114_8039633	NC_021166.1	Ca_kabuli_chr07	8039633	AA	TT	1940380911
SNP_P1_127115_8039658	NC_021166.1	Ca_kabuli_chr07	8039658	TT	CC	1940380913
SNP_P1_127116_8039720	NC_021166.1	Ca_kabuli_chr07	8039720	CC	TT	1940380914
SNP_P1_127117_8039777	NC_021166.1	Ca_kabuli_chr07	8039777	GG	AA	1940380916
SNP_P1_127119_8040771	NC_021166.1	Ca_kabuli_chr07	8040771	GG	AA	1940380918
SNP_P1_127120_8040801	NC_021166.1	Ca_kabuli_chr07	8040801	GG	CC	1940380920
SNP_P1_127121_8041743	NC_021166.1	Ca_kabuli_chr07	8041743	CC	TT	1940380921
SNP_P1_127122_8041947	NC_021166.1	Ca_kabuli_chr07	8041947	CC	GG	1940380923
SNP_P1_127123_8042093	NC_021166.1	Ca_kabuli_chr07	8042093	GG	TT	1940380925
SNP_P1_127124_8044652	NC_021166.1	Ca_kabuli_chr07	8044652	GG	AA	1940380927
SNP_P1_127125_8045599	NC_021166.1	Ca_kabuli_chr07	8045599	AA	GG	1940380928
SNP_P1_127126_8046405	NC_021166.1	Ca_kabuli_chr07	8046405	AA	GG	1940380930
SNP_P1_127127_8046962	NC_021166.1	Ca_kabuli_chr07	8046962	GG	CC	1940380932
SNP_P1_127128_8048693	NC_021166.1	Ca_kabuli_chr07	8048693	CC	TT	1940380934
SNP_P1_127129_8048757	NC_021166.1	Ca_kabuli_chr07	8048757	GG	AA	1940380935
SNP_P1_127130_8049136	NC_021166.1	Ca_kabuli_chr07	8049136	AA	TT	1940380937
SNP_P1_127131_8049593	NC_021166.1	Ca_kabuli_chr07	8049593	CC	AA	1940380939
SNP_P1_127132_8049624	NC_021166.1	Ca_kabuli_chr07	8049624	AA	GG	1940380941
SNP_P1_127133_8049638	NC_021166.1	Ca_kabuli_chr07	8049638	CC	GG	1940380942
SNP_P1_127134_8049731	NC_021166.1	Ca_kabuli_chr07	8049731	GG	AA	1940380944
SNP_P1_127135_8052919	NC_021166.1	Ca_kabuli_chr07	8052919	GG	TT	1940380946
SNP_P1_127136_8056100	NC_021166.1	Ca_kabuli_chr07	8056100	CC	TT	1940380948
SNP_P1_127137_8057415	NC_021166.1	Ca_kabuli_chr07	8057415	CC	GG	1940380949
SNP_P1_127138_8057420	NC_021166.1	Ca_kabuli_chr07	8057420	TT	GG	1940380951
SNP_P1_127139_8057457	NC_021166.1	Ca_kabuli_chr07	8057457	GG	AA	1940380953
SNP_P1_127140_8057485	NC_021166.1	Ca_kabuli_chr07	8057485	AA	GG	1940380955
SNP_P1_127141_8057516	NC_021166.1	Ca_kabuli_chr07	8057516	TT	AA	1940380956
SNP_P1_127142_8057517	NC_021166.1	Ca_kabuli_chr07	8057517	AA	GG	1940380958
SNP_P1_127143_8057518	NC_021166.1	Ca_kabuli_chr07	8057518	TT	AA	1940380960
SNP_P1_127144_8057539	NC_021166.1	Ca_kabuli_chr07	8057539	GG	AA	1940380962
SNP_P1_127145_8057571	NC_021166.1	Ca_kabuli_chr07	8057571	TT	CC	1940380963
SNP_P1_127146_8057592	NC_021166.1	Ca_kabuli_chr07	8057592	AA	TT	1940380965
SNP_P1_127147_8057610	NC_021166.1	Ca_kabuli_chr07	8057610	CC	TT	1940380967

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127149_8057896	NC_021166.1	Ca_kabuli_chr07	8057896	CC	AA	1940380970
SNP_P1_127150_8057897	NC_021166.1	Ca_kabuli_chr07	8057897	AA	TT	1940380972
SNP_P1_127151_8057900	NC_021166.1	Ca_kabuli_chr07	8057900	GG	CC	1940380974
SNP_P1_127152_8057901	NC_021166.1	Ca_kabuli_chr07	8057901	TT	GG	1940380976
SNP_P1_127153_8057905	NC_021166.1	Ca_kabuli_chr07	8057905	CC	TT	1940380977
SNP_P1_127154_8057917	NC_021166.1	Ca_kabuli_chr07	8057917	CC	TT	1940380979
SNP_P1_127155_8057948	NC_021166.1	Ca_kabuli_chr07	8057948	TT	GG	1940380981
SNP_P1_127156_8057954	NC_021166.1	Ca_kabuli_chr07	8057954	CC	AA	1940380983
SNP_P1_127157_8057963	NC_021166.1	Ca_kabuli_chr07	8057963	GG	AA	1940380985
SNP_P1_127159_8058168	NC_021166.1	Ca_kabuli_chr07	8058168	GG	AA	1940380986
SNP_P1_127160_8058209	NC_021166.1	Ca_kabuli_chr07	8058209	AA	GG	1940380988
SNP_P1_127161_8058234	NC_021166.1	Ca_kabuli_chr07	8058234	TT	AA	1940380990
SNP_P1_127162_8058236	NC_021166.1	Ca_kabuli_chr07	8058236	GG	CC	1940380992
SNP_P1_127163_8059286	NC_021166.1	Ca_kabuli_chr07	8059286	GG	AA	1940380993
SNP_P1_127164_8059299	NC_021166.1	Ca_kabuli_chr07	8059299	GG	AA	1940380995
SNP_P1_127165_8059324	NC_021166.1	Ca_kabuli_chr07	8059324	AA	GG	1940380997
SNP_P1_127166_8059330	NC_021166.1	Ca_kabuli_chr07	8059330	AA	GG	1940380999
SNP_P1_127167_8059600	NC_021166.1	Ca_kabuli_chr07	8059600	GG	CC	1940381000
SNP_P1_127168_8061467	NC_021166.1	Ca_kabuli_chr07	8061467	AA	CC	1940381002
SNP_P1_127169_8061593	NC_021166.1	Ca_kabuli_chr07	8061593	TT	CC	1940381004
SNP_P1_127170_8062424	NC_021166.1	Ca_kabuli_chr07	8062424	GG	AA	1940381006
SNP_P1_127171_8063408	NC_021166.1	Ca_kabuli_chr07	8063408	CC	GG	1940381007
SNP_P1_127172_8063409	NC_021166.1	Ca_kabuli_chr07	8063409	AA	GG	1940381009
SNP_P1_127173_8063770	NC_021166.1	Ca_kabuli_chr07	8063770	GG	TT	1940381011
SNP_P1_127174_8064816	NC_021166.1	Ca_kabuli_chr07	8064816	GG	AA	1940381013
SNP_P1_127175_8064840	NC_021166.1	Ca_kabuli_chr07	8064840	CC	TT	1940381014
SNP_P1_127176_8064870	NC_021166.1	Ca_kabuli_chr07	8064870	TT	CC	1940381016
SNP_P1_127177_8064871	NC_021166.1	Ca_kabuli_chr07	8064871	TT	AA	1940381017
SNP_P1_127178_8065143	NC_021166.1	Ca_kabuli_chr07	8065143	GG	AA	1940381018
SNP_P1_127179_8065314	NC_021166.1	Ca_kabuli_chr07	8065314	GG	CC	1940381020
SNP_P1_127180_8065347	NC_021166.1	Ca_kabuli_chr07	8065347	CC	AA	1940381021
SNP_P1_127181_8065612	NC_021166.1	Ca_kabuli_chr07	8065612	CC	TT	1940381023
SNP_P1_127182_8066977	NC_021166.1	Ca_kabuli_chr07	8066977	TT	CC	1940381025
SNP_P1_127183_8067082	NC_021166.1	Ca_kabuli_chr07	8067082	AA	GG	1940381027
SNP_P1_127184_8067090	NC_021166.1	Ca_kabuli_chr07	8067090	GG	TT	1940381028
SNP_P1_127185_8067101	NC_021166.1	Ca_kabuli_chr07	8067101	TT	CC	1940381030
SNP_P1_127186_8067134	NC_021166.1	Ca_kabuli_chr07	8067134	AA	TT	1940381032
SNP_P1_127187_8067240	NC_021166.1	Ca_kabuli_chr07	8067240	CC	TT	1940381034
SNP_P1_127188_8067274	NC_021166.1	Ca_kabuli_chr07	8067274	GG	AA	1940381035
SNP_P1_127189_8067317	NC_021166.1	Ca_kabuli_chr07	8067317	GG	AA	1940381037
SNP_P1_127190_8067352	NC_021166.1	Ca_kabuli_chr07	8067352	TT	CC	1940381039

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127192_8069149	NC_021166.1	Ca_kabuli_chr07	8069149	AA	CC	1940381042
SNP_P1_127193_8069153	NC_021166.1	Ca_kabuli_chr07	8069153	CC	AA	1940381044
SNP_P1_127194_8070960	NC_021166.1	Ca_kabuli_chr07	8070960	GG	TT	1940381046
SNP_P1_127195_8070992	NC_021166.1	Ca_kabuli_chr07	8070992	AA	GG	1940381048
SNP_P1_127197_8071134	NC_021166.1	Ca_kabuli_chr07	8071134	AA	TT	1940381049
SNP_P1_127198_8071364	NC_021166.1	Ca_kabuli_chr07	8071364	GG	TT	1940381051
SNP_P1_127199_8071488	NC_021166.1	Ca_kabuli_chr07	8071488	TT	AA	1940381053
SNP_P1_127200_8072658	NC_021166.1	Ca_kabuli_chr07	8072658	GG	CC	1940381055
SNP_P1_127201_8072700	NC_021166.1	Ca_kabuli_chr07	8072700	AA	GG	1940381056
SNP_P1_127202_8077164	NC_021166.1	Ca_kabuli_chr07	8077164	CC	TT	1940381058
SNP_P1_127203_8078085	NC_021166.1	Ca_kabuli_chr07	8078085	TT	CC	1940381060
SNP_P1_127204_8078150	NC_021166.1	Ca_kabuli_chr07	8078150	TT	CC	1940381062
SNP_P1_127205_8081550	NC_021166.1	Ca_kabuli_chr07	8081550	GG	AA	1940381063
SNP_P1_127206_8081906	NC_021166.1	Ca_kabuli_chr07	8081906	TT	CC	1940381065
SNP_P1_127207_8082060	NC_021166.1	Ca_kabuli_chr07	8082060	GG	AA	1940381067
SNP_P1_127209_8082161	NC_021166.1	Ca_kabuli_chr07	8082161	TT	GG	1940381069
SNP_P1_127211_8083070	NC_021166.1	Ca_kabuli_chr07	8083070	TT	CC	1940381070
SNP_P1_127212_8083362	NC_021166.1	Ca_kabuli_chr07	8083362	CC	AA	1940381072
SNP_P1_127213_8083737	NC_021166.1	Ca_kabuli_chr07	8083737	GG	TT	1940381074
SNP_P1_127214_8083921	NC_021166.1	Ca_kabuli_chr07	8083921	GG	AA	1940381076
SNP_P1_127215_8083944	NC_021166.1	Ca_kabuli_chr07	8083944	GG	AA	1940381077
SNP_P1_127216_8083983	NC_021166.1	Ca_kabuli_chr07	8083983	GG	AA	1940381079
SNP_P1_127217_8086730	NC_021166.1	Ca_kabuli_chr07	8086730	AA	TT	1940381081
SNP_P1_127218_8086790	NC_021166.1	Ca_kabuli_chr07	8086790	GG	AA	1940381083
SNP_P1_127219_8086795	NC_021166.1	Ca_kabuli_chr07	8086795	TT	CC	1940381084
SNP_P1_127220_8086810	NC_021166.1	Ca_kabuli_chr07	8086810	AA	GG	1940381086
SNP_P1_127221_8086814	NC_021166.1	Ca_kabuli_chr07	8086814	AA	CC	1940381088
SNP_P1_127222_8091538	NC_021166.1	Ca_kabuli_chr07	8091538	CC	AA	1940381090
SNP_P1_127223_8092975	NC_021166.1	Ca_kabuli_chr07	8092975	AA	GG	1940381091
SNP_P1_127224_8095667	NC_021166.1	Ca_kabuli_chr07	8095667	TT	AA	1940381093
SNP_P1_127225_8095792	NC_021166.1	Ca_kabuli_chr07	8095792	CC	AA	1940381095
SNP_P1_127226_8096791	NC_021166.1	Ca_kabuli_chr07	8096791	AA	TT	1940381097
SNP_P1_127227_8096885	NC_021166.1	Ca_kabuli_chr07	8096885	CC	TT	1940381099
SNP_P1_127228_8097022	NC_021166.1	Ca_kabuli_chr07	8097022	TT	CC	1940381100
SNP_P1_127229_8097149	NC_021166.1	Ca_kabuli_chr07	8097149	CC	TT	1940381102
SNP_P1_127230_8097730	NC_021166.1	Ca_kabuli_chr07	8097730	AA	GG	1940381104
SNP_P1_127231_8100998	NC_021166.1	Ca_kabuli_chr07	8100998	TT	GG	1940381106
SNP_P1_127233_8101842	NC_021166.1	Ca_kabuli_chr07	8101842	GG	TT	1940381107
SNP_P1_127234_8102701	NC_021166.1	Ca_kabuli_chr07	8102701	TT	CC	1940381109
SNP_P1_127235_8102838	NC_021166.1	Ca_kabuli_chr07	8102838	GG	AA	1940381111
SNP_P1_127236_8102845	NC_021166.1	Ca_kabuli_chr07	8102845	TT	GG	1940381113

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127238_8102897	NC_021166.1	Ca_kabuli_chr07	8102897	CC	GG	1940381116
SNP_P1_127239_8102936	NC_021166.1	Ca_kabuli_chr07	8102936	GG	TT	1940381118
SNP_P1_127240_8103216	NC_021166.1	Ca_kabuli_chr07	8103216	GG	AA	1940381120
SNP_P1_127242_8104535	NC_021166.1	Ca_kabuli_chr07	8104535	GG	AA	1940381121
SNP_P1_127243_8105161	NC_021166.1	Ca_kabuli_chr07	8105161	AA	TT	1940381123
SNP_P1_127244_8105518	NC_021166.1	Ca_kabuli_chr07	8105518	GG	AA	1940381125
SNP_P1_127245_8105546	NC_021166.1	Ca_kabuli_chr07	8105546	TT	GG	1940381127
SNP_P1_127246_8105608	NC_021166.1	Ca_kabuli_chr07	8105608	TT	AA	1940381128
SNP_P1_127247_8105718	NC_021166.1	Ca_kabuli_chr07	8105718	CC	TT	1940381130
SNP_P1_127248_8105759	NC_021166.1	Ca_kabuli_chr07	8105759	GG	CC	1940381132
SNP_P1_127249_8105894	NC_021166.1	Ca_kabuli_chr07	8105894	GG	AA	1940381134
SNP_P1_127250_8106576	NC_021166.1	Ca_kabuli_chr07	8106576	CC	GG	1940381135
SNP_P1_127251_8106632	NC_021166.1	Ca_kabuli_chr07	8106632	CC	TT	1940381137
SNP_P1_127252_8106636	NC_021166.1	Ca_kabuli_chr07	8106636	GG	AA	1940381139
SNP_P1_127253_8106777	NC_021166.1	Ca_kabuli_chr07	8106777	GG	AA	1940381141
SNP_P1_127254_8106795	NC_021166.1	Ca_kabuli_chr07	8106795	AA	GG	1940381142
SNP_P1_127255_8106866	NC_021166.1	Ca_kabuli_chr07	8106866	AA	GG	1940381144
SNP_P1_127256_8106987	NC_021166.1	Ca_kabuli_chr07	8106987	GG	AA	1940381146
SNP_P1_127258_8107211	NC_021166.1	Ca_kabuli_chr07	8107211	AA	GG	1940381148
SNP_P1_127259_8107212	NC_021166.1	Ca_kabuli_chr07	8107212	AA	CC	1940381149
SNP_P1_127260_8107214	NC_021166.1	Ca_kabuli_chr07	8107214	TT	CC	1940381151
SNP_P1_127261_8107267	NC_021166.1	Ca_kabuli_chr07	8107267	TT	CC	1940381153
SNP_P1_127262_8107319	NC_021166.1	Ca_kabuli_chr07	8107319	GG	AA	1940381155
SNP_P1_127263_8107444	NC_021166.1	Ca_kabuli_chr07	8107444	AA	GG	1940381157
SNP_P1_127264_8107488	NC_021166.1	Ca_kabuli_chr07	8107488	AA	TT	1940381158
SNP_P1_127265_8107637	NC_021166.1	Ca_kabuli_chr07	8107637	CC	TT	1940381160
SNP_P1_127266_8107709	NC_021166.1	Ca_kabuli_chr07	8107709	AA	GG	1940381162
SNP_P1_127268_8108101	NC_021166.1	Ca_kabuli_chr07	8108101	GG	AA	1940381164
SNP_P1_127271_8109856	NC_021166.1	Ca_kabuli_chr07	8109856	AA	GG	1940381165
SNP_P1_127272_8109896	NC_021166.1	Ca_kabuli_chr07	8109896	GG	TT	1940381167
SNP_P1_127273_8109902	NC_021166.1	Ca_kabuli_chr07	8109902	TT	CC	1940381169
SNP_P1_127274_8110132	NC_021166.1	Ca_kabuli_chr07	8110132	CC	TT	1940381171
SNP_P1_127275_8110315	NC_021166.1	Ca_kabuli_chr07	8110315	CC	TT	1940381172
SNP_P1_127277_8110620	NC_021166.1	Ca_kabuli_chr07	8110620	AA	TT	1940381174
SNP_P1_127278_8111697	NC_021166.1	Ca_kabuli_chr07	8111697	GG	AA	1940381176
SNP_P1_127279_8112825	NC_021166.1	Ca_kabuli_chr07	8112825	GG	TT	1940381178
SNP_P1_127281_8116351	NC_021166.1	Ca_kabuli_chr07	8116351	AA	TT	1940381179
SNP_P1_127282_8116642	NC_021166.1	Ca_kabuli_chr07	8116642	GG	AA	1940381181
SNP_P1_127283_8116658	NC_021166.1	Ca_kabuli_chr07	8116658	AA	GG	1940381183
SNP_P1_127284_8117039	NC_021166.1	Ca_kabuli_chr07	8117039	CC	AA	1940381185
SNP_P1_127285_8117698	NC_021166.1	Ca_kabuli_chr07	8117698	GG	AA	1940381186

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127288_8118217	NC_021166.1	Ca_kabuli_chr07	8118217	CC	GG	1940381190
SNP_P1_127290_8122431	NC_021166.1	Ca_kabuli_chr07	8122431	AA	GG	1940381192
SNP_P1_127291_8123204	NC_021166.1	Ca_kabuli_chr07	8123204	TT	CC	1940381193
SNP_P1_127292_8123642	NC_021166.1	Ca_kabuli_chr07	8123642	AA	GG	1940381195
SNP_P1_127293_8123846	NC_021166.1	Ca_kabuli_chr07	8123846	AA	GG	1940381197
SNP_P1_127294_8124066	NC_021166.1	Ca_kabuli_chr07	8124066	AA	CC	1940381199
SNP_P1_127295_8124729	NC_021166.1	Ca_kabuli_chr07	8124729	AA	GG	1940381200
SNP_P1_127296_8125065	NC_021166.1	Ca_kabuli_chr07	8125065	AA	GG	1940381202
SNP_P1_127297_8125224	NC_021166.1	Ca_kabuli_chr07	8125224	GG	TT	1940381204
SNP_P1_127298_8125226	NC_021166.1	Ca_kabuli_chr07	8125226	GG	AA	1940381206
SNP_P1_127299_8128139	NC_021166.1	Ca_kabuli_chr07	8128139	AA	CC	1940381207
SNP_P1_127300_8128532	NC_021166.1	Ca_kabuli_chr07	8128532	AA	GG	1940381209
SNP_P1_127302_8133811	NC_021166.1	Ca_kabuli_chr07	8133811	GG	AA	1940381211
SNP_P1_127303_8143218	NC_021166.1	Ca_kabuli_chr07	8143218	TT	CC	1940381213
SNP_P1_127304_8145950	NC_021166.1	Ca_kabuli_chr07	8145950	GG	AA	1940381214
SNP_P1_127305_8146702	NC_021166.1	Ca_kabuli_chr07	8146702	TT	AA	1940381216
SNP_P1_127306_8146706	NC_021166.1	Ca_kabuli_chr07	8146706	AA	TT	1940381218
SNP_P1_127307_8146727	NC_021166.1	Ca_kabuli_chr07	8146727	CC	TT	1940381220
SNP_P1_127308_8146805	NC_021166.1	Ca_kabuli_chr07	8146805	CC	AA	1940381221
SNP_P1_127309_8146995	NC_021166.1	Ca_kabuli_chr07	8146995	TT	CC	1940381223
SNP_P1_127310_8147001	NC_021166.1	Ca_kabuli_chr07	8147001	GG	CC	1940381225
SNP_P1_127312_8147803	NC_021166.1	Ca_kabuli_chr07	8147803	TT	CC	1940381227
SNP_P1_127313_8147813	NC_021166.1	Ca_kabuli_chr07	8147813	GG	CC	1940381228
SNP_P1_127315_8147944	NC_021166.1	Ca_kabuli_chr07	8147944	TT	AA	1940381230
SNP_P1_127316_8150335	NC_021166.1	Ca_kabuli_chr07	8150335	TT	CC	1940381232
SNP_P1_127317_8150427	NC_021166.1	Ca_kabuli_chr07	8150427	TT	CC	1940381234
SNP_P1_127318_8151436	NC_021166.1	Ca_kabuli_chr07	8151436	GG	AA	1940381235
SNP_P1_127319_8151480	NC_021166.1	Ca_kabuli_chr07	8151480	CC	TT	1940381237
SNP_P1_127320_8152046	NC_021166.1	Ca_kabuli_chr07	8152046	TT	AA	1940381239
SNP_P1_127321_8152103	NC_021166.1	Ca_kabuli_chr07	8152103	AA	CC	1940381241
SNP_P1_127323_8152289	NC_021166.1	Ca_kabuli_chr07	8152289	GG	AA	1940381242
SNP_P1_127324_8152554	NC_021166.1	Ca_kabuli_chr07	8152554	AA	GG	1940381244
SNP_P1_127325_8153850	NC_021166.1	Ca_kabuli_chr07	8153850	TT	GG	1940381246
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SNP_P1_127328_8154587	NC_021166.1	Ca_kabuli_chr07	8154587	GG	AA	1940381251
SNP_P1_127329_8154588	NC_021166.1	Ca_kabuli_chr07	8154588	AA	GG	1940381253
SNP_P1_127330_8154603	NC_021166.1	Ca_kabuli_chr07	8154603	GG	AA	1940381255
SNP_P1_127331_8154724	NC_021166.1	Ca_kabuli_chr07	8154724	AA	CC	1940381257
SNP_P1_127332_8155971	NC_021166.1	Ca_kabuli_chr07	8155971	GG	AA	1940381258
SNP_P1_127333_8156008	NC_021166.1	Ca_kabuli_chr07	8156008	CC	TT	1940381260

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127335_8156375	NC_021166.1	Ca_kabuli_chr07	8156375	GG	TT	1940381264
SNP_P1_127336_8156804	NC_021166.1	Ca_kabuli_chr07	8156804	AA	TT	1940381265
SNP_P1_127337_8157792	NC_021166.1	Ca_kabuli_chr07	8157792	GG	AA	1940381267
SNP_P1_127338_8158390	NC_021166.1	Ca_kabuli_chr07	8158390	AA	TT	1940381269
SNP_P1_127340_8159398	NC_021166.1	Ca_kabuli_chr07	8159398	GG	CC	1940381271
SNP_P1_127341_8160202	NC_021166.1	Ca_kabuli_chr07	8160202	CC	TT	1940381272
SNP_P1_127342_8160266	NC_021166.1	Ca_kabuli_chr07	8160266	AA	GG	1940381274
SNP_P1_127345_8160722	NC_021166.1	Ca_kabuli_chr07	8160722	TT	CC	1940381276
SNP_P1_127346_8160816	NC_021166.1	Ca_kabuli_chr07	8160816	TT	CC	1940381278
SNP_P1_127347_8161739	NC_021166.1	Ca_kabuli_chr07	8161739	CC	AA	1940381279
SNP_P1_127348_8162899	NC_021166.1	Ca_kabuli_chr07	8162899	TT	AA	1940381281
SNP_P1_127349_8165704	NC_021166.1	Ca_kabuli_chr07	8165704	GG	AA	1940381283
SNP_P1_127350_8165918	NC_021166.1	Ca_kabuli_chr07	8165918	GG	AA	1940381285
SNP_P1_127351_8166101	NC_021166.1	Ca_kabuli_chr07	8166101	AA	GG	1940381286
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SNP_P1_127353_8166389	NC_021166.1	Ca_kabuli_chr07	8166389	CC	TT	1940381290
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SNP_P1_127358_8167577	NC_021166.1	Ca_kabuli_chr07	8167577	TT	GG	1940381295
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SNP_P1_127363_8169580	NC_021166.1	Ca_kabuli_chr07	8169580	AA	GG	1940381300
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SNP_P1_127365_8170346	NC_021166.1	Ca_kabuli_chr07	8170346	AA	GG	1940381304
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SNP_P1_127369_8171301	NC_021166.1	Ca_kabuli_chr07	8171301	AA	CC	1940381311
SNP_P1_127370_8171863	NC_021166.1	Ca_kabuli_chr07	8171863	GG	CC	1940381313
SNP_P1_127371_8172182	NC_021166.1	Ca_kabuli_chr07	8172182	CC	GG	1940381314
SNP_P1_127372_8172440	NC_021166.1	Ca_kabuli_chr07	8172440	AA	GG	1940381316
SNP_P1_127373_8172501	NC_021166.1	Ca_kabuli_chr07	8172501	GG	AA	1940381318
SNP_P1_127374_8175599	NC_021166.1	Ca_kabuli_chr07	8175599	TT	AA	1940381320
SNP_P1_127376_8175765	NC_021166.1	Ca_kabuli_chr07	8175765	CC	TT	1940381321
SNP_P1_127377_8176178	NC_021166.1	Ca_kabuli_chr07	8176178	TT	GG	1940381323
SNP_P1_127378_8176597	NC_021166.1	Ca_kabuli_chr07	8176597	AA	TT	1940381325
SNP_P1_127379_8176663	NC_021166.1	Ca_kabuli_chr07	8176663	TT	GG	1940381327
SNP_P1_127380_8176687	NC_021166.1	Ca_kabuli_chr07	8176687	CC	TT	1940381329
SNP_P1_127381_8176971	NC_021166.1	Ca_kabuli_chr07	8176971	GG	AA	1940381330
SNP_P1_127382_8177002	NC_021166.1	Ca_kabuli_chr07	8177002	GG	AA	1940381332
SNP_P1_127383_8177272	NC_021166.1	Ca_kabuli_chr07	8177272	TT	AA	1940381334

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127386_8177481	NC_021166.1	Ca_kabuli_chr07	8177481	GG	AA	1940381339
SNP_P1_127387_8177501	NC_021166.1	Ca_kabuli_chr07	8177501	CC	TT	1940381341
SNP_P1_127388_8177607	NC_021166.1	Ca_kabuli_chr07	8177607	TT	GG	1940381343
SNP_P1_127389_8177696	NC_021166.1	Ca_kabuli_chr07	8177696	CC	TT	1940381344
SNP_P1_127390_8177746	NC_021166.1	Ca_kabuli_chr07	8177746	GG	AA	1940381346
SNP_P1_127391_8177802	NC_021166.1	Ca_kabuli_chr07	8177802	CC	TT	1940381348
SNP_P1_127392_8177820	NC_021166.1	Ca_kabuli_chr07	8177820	AA	CC	1940381350
SNP_P1_127395_8178750	NC_021166.1	Ca_kabuli_chr07	8178750	GG	AA	1940381351
SNP_P1_127396_8178785	NC_021166.1	Ca_kabuli_chr07	8178785	GG	AA	1940381353
SNP_P1_127397_8179343	NC_021166.1	Ca_kabuli_chr07	8179343	AA	TT	1940381355
SNP_P1_127400_8181077	NC_021166.1	Ca_kabuli_chr07	8181077	AA	GG	1940381357
SNP_P1_127401_8181378	NC_021166.1	Ca_kabuli_chr07	8181378	AA	TT	1940381358
SNP_P1_127402_8181404	NC_021166.1	Ca_kabuli_chr07	8181404	TT	AA	1940381360
SNP_P1_127403_8183374	NC_021166.1	Ca_kabuli_chr07	8183374	AA	GG	1940381362
SNP_P1_127404_8183453	NC_021166.1	Ca_kabuli_chr07	8183453	GG	AA	1940381364
SNP_P1_127405_8183608	NC_021166.1	Ca_kabuli_chr07	8183608	AA	GG	1940381365
SNP_P1_127406_8183647	NC_021166.1	Ca_kabuli_chr07	8183647	AA	GG	1940381367
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SNP_P1_127410_8183921	NC_021166.1	Ca_kabuli_chr07	8183921	GG	AA	1940381374
SNP_P1_127411_8184206	NC_021166.1	Ca_kabuli_chr07	8184206	AA	GG	1940381376
SNP_P1_127412_8184232	NC_021166.1	Ca_kabuli_chr07	8184232	GG	AA	1940381378
SNP_P1_127413_8184424	NC_021166.1	Ca_kabuli_chr07	8184424	TT	GG	1940381379
SNP_P1_127414_8184805	NC_021166.1	Ca_kabuli_chr07	8184805	CC	GG	1940381381
SNP_P1_127415_8184852	NC_021166.1	Ca_kabuli_chr07	8184852	GG	AA	1940381383
SNP_P1_127416_8184870	NC_021166.1	Ca_kabuli_chr07	8184870	AA	TT	1940381385
SNP_P1_127417_8184881	NC_021166.1	Ca_kabuli_chr07	8184881	GG	TT	1940381386
SNP_P1_127418_8187396	NC_021166.1	Ca_kabuli_chr07	8187396	CC	AA	1940381388
SNP_P1_127420_8187461	NC_021166.1	Ca_kabuli_chr07	8187461	TT	AA	1940381390
SNP_P1_127421_8189799	NC_021166.1	Ca_kabuli_chr07	8189799	TT	CC	1940381392
SNP_P1_127422_8189836	NC_021166.1	Ca_kabuli_chr07	8189836	TT	CC	1940381393
SNP_P1_127423_8190093	NC_021166.1	Ca_kabuli_chr07	8190093	GG	AA	1940381395
SNP_P1_127424_8190679	NC_021166.1	Ca_kabuli_chr07	8190679	GG	AA	1940381397
SNP_P1_127425_8190841	NC_021166.1	Ca_kabuli_chr07	8190841	GG	TT	1940381399
SNP_P1_127426_8190931	NC_021166.1	Ca_kabuli_chr07	8190931	TT	CC	1940381400
SNP_P1_127427_8191066	NC_021166.1	Ca_kabuli_chr07	8191066	TT	AA	1940381402
SNP_P1_127428_8191102	NC_021166.1	Ca_kabuli_chr07	8191102	CC	TT	1940381404
SNP_P1_127429_8191162	NC_021166.1	Ca_kabuli_chr07	8191162	GG	AA	1940381406
SNP_P1_127430_8191209	NC_021166.1	Ca_kabuli_chr07	8191209	GG	CC	1940381408

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127432_8193525	NC_021166.1	Ca_kabuli_chr07	8193525	TT	CC	1940381411
SNP_P1_127433_8196496	NC_021166.1	Ca_kabuli_chr07	8196496	GG	AA	1940381413
SNP_P1_127434_8199451	NC_021166.1	Ca_kabuli_chr07	8199451	TT	CC	1940381415
SNP_P1_127435_8199504	NC_021166.1	Ca_kabuli_chr07	8199504	CC	TT	1940381416
SNP_P1_127436_8200582	NC_021166.1	Ca_kabuli_chr07	8200582	CC	AA	1940381418
SNP_P1_127437_8200686	NC_021166.1	Ca_kabuli_chr07	8200686	AA	GG	1940381420
SNP_P1_127438_8201024	NC_021166.1	Ca_kabuli_chr07	8201024	AA	TT	1940381422
SNP_P1_127439_8201566	NC_021166.1	Ca_kabuli_chr07	8201566	CC	TT	1940381423
SNP_P1_127440_8201674	NC_021166.1	Ca_kabuli_chr07	8201674	AA	GG	1940381425
SNP_P1_127441_8201677	NC_021166.1	Ca_kabuli_chr07	8201677	CC	TT	1940381427
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SNP_P1_127445_8215639	NC_021166.1	Ca_kabuli_chr07	8215639	AA	GG	1940381432
SNP_P1_127447_8218104	NC_021166.1	Ca_kabuli_chr07	8218104	GG	AA	1940381434
SNP_P1_127448_8218245	NC_021166.1	Ca_kabuli_chr07	8218245	TT	CC	1940381436
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SNP_P1_127450_8221563	NC_021166.1	Ca_kabuli_chr07	8221563	GG	TT	1940381439
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SNP_P1_127460_8225503	NC_021166.1	Ca_kabuli_chr07	8225503	TT	CC	1940381455
SNP_P1_127461_8225548	NC_021166.1	Ca_kabuli_chr07	8225548	TT	CC	1940381457
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SNP_P1_127463_8226206	NC_021166.1	Ca_kabuli_chr07	8226206	AA	TT	1940381460
SNP_P1_127464_8226326	NC_021166.1	Ca_kabuli_chr07	8226326	TT	GG	1940381462
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SNP_P1_127466_8227135	NC_021166.1	Ca_kabuli_chr07	8227135	GG	AA	1940381465
SNP_P1_127467_8228248	NC_021166.1	Ca_kabuli_chr07	8228248	AA	TT	1940381467
SNP_P1_127468_8228763	NC_021166.1	Ca_kabuli_chr07	8228763	CC	AA	1940381469
SNP_P1_127470_8232363	NC_021166.1	Ca_kabuli_chr07	8232363	CC	AA	1940381471
SNP_P1_127471_8233324	NC_021166.1	Ca_kabuli_chr07	8233324	CC	TT	1940381472
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SNP_P1_127473_8233776	NC_021166.1	Ca_kabuli_chr07	8233776	GG	AA	1940381476
SNP_P1_127474_8234662	NC_021166.1	Ca_kabuli_chr07	8234662	AA	GG	1940381478
SNP_P1_127475_8234889	NC_021166.1	Ca_kabuli_chr07	8234889	TT	AA	1940381480
SNP_P1_127476_8234940	NC_021166.1	Ca_kabuli_chr07	8234940	GG	AA	1940381481

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127487_8240955	NC_021166.1	Ca_kabuli_chr07	8240955	AA	GG	1940381497
SNP_P1_127488_8240995	NC_021166.1	Ca_kabuli_chr07	8240995	AA	TT	1940381499
SNP_P1_127489_8241161	NC_021166.1	Ca_kabuli_chr07	8241161	AA	CC	1940381501
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SNP_P1_127493_8243899	NC_021166.1	Ca_kabuli_chr07	8243899	TT	AA	1940381504
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SNP_P1_127496_8245245	NC_021166.1	Ca_kabuli_chr07	8245245	AA	CC	1940381509
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SNP_P1_127503_8246706	NC_021166.1	Ca_kabuli_chr07	8246706	GG	TT	1940381520
SNP_P1_127505_8249728	NC_021166.1	Ca_kabuli_chr07	8249728	TT	CC	1940381522
SNP_P1_127507_8251072	NC_021166.1	Ca_kabuli_chr07	8251072	AA	GG	1940381523
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SNP_P1_127513_8251207	NC_021166.1	Ca_kabuli_chr07	8251207	AA	CC	1940381534
SNP_P1_127514_8251208	NC_021166.1	Ca_kabuli_chr07	8251208	AA	GG	1940381536
SNP_P1_127515_8251550	NC_021166.1	Ca_kabuli_chr07	8251550	AA	GG	1940381538
SNP_P1_127516_8252168	NC_021166.1	Ca_kabuli_chr07	8252168	CC	GG	1940381539
SNP_P1_127518_8253236	NC_021166.1	Ca_kabuli_chr07	8253236	TT	CC	1940381541
SNP_P1_127519_8254113	NC_021166.1	Ca_kabuli_chr07	8254113	TT	CC	1940381543
SNP_P1_127520_8254129	NC_021166.1	Ca_kabuli_chr07	8254129	GG	AA	1940381545
SNP_P1_127522_8254365	NC_021166.1	Ca_kabuli_chr07	8254365	AA	GG	1940381546
SNP_P1_127523_8254374	NC_021166.1	Ca_kabuli_chr07	8254374	CC	GG	1940381548
SNP_P1_127524_8254378	NC_021166.1	Ca_kabuli_chr07	8254378	TT	CC	1940381550
SNP_P1_127525_8254382	NC_021166.1	Ca_kabuli_chr07	8254382	AA	GG	1940381552
SNP_P1_127526_8254423	NC_021166.1	Ca_kabuli_chr07	8254423	TT	CC	1940381553
SNP_P1_127527_8254513	NC_021166.1	Ca_kabuli_chr07	8254513	TT	GG	1940381555

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127530_8254543	NC_021166.1	Ca_kabuli_chr07	8254543	GG	AA	1940381560
SNP_P1_127531_8254594	NC_021166.1	Ca_kabuli_chr07	8254594	CC	TT	1940381562
SNP_P1_127532_8254874	NC_021166.1	Ca_kabuli_chr07	8254874	GG	AA	1940381564
SNP_P1_127533_8256143	NC_021166.1	Ca_kabuli_chr07	8256143	CC	TT	1940381566
SNP_P1_127534_8256144	NC_021166.1	Ca_kabuli_chr07	8256144	AA	GG	1940381567
SNP_P1_127535_8256413	NC_021166.1	Ca_kabuli_chr07	8256413	CC	TT	1940381569
SNP_P1_127536_8256417	NC_021166.1	Ca_kabuli_chr07	8256417	AA	GG	1940381571
SNP_P1_127537_8260885	NC_021166.1	Ca_kabuli_chr07	8260885	TT	CC	1940381573
SNP_P1_127538_8261485	NC_021166.1	Ca_kabuli_chr07	8261485	CC	TT	1940381574
SNP_P1_127539_8261886	NC_021166.1	Ca_kabuli_chr07	8261886	TT	CC	1940381576
SNP_P1_127540_8261938	NC_021166.1	Ca_kabuli_chr07	8261938	TT	AA	1940381578
SNP_P1_127541_8262006	NC_021166.1	Ca_kabuli_chr07	8262006	TT	CC	1940381580
SNP_P1_127542_8262065	NC_021166.1	Ca_kabuli_chr07	8262065	AA	GG	1940381581
SNP_P1_127543_8262113	NC_021166.1	Ca_kabuli_chr07	8262113	AA	TT	1940381583
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SNP_P1_127549_8264328	NC_021166.1	Ca_kabuli_chr07	8264328	TT	AA	1940381594
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SNP_P1_127552_8265408	NC_021166.1	Ca_kabuli_chr07	8265408	GG	AA	1940381599
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SNP_P1_127565_8267793	NC_021166.1	Ca_kabuli_chr07	8267793	TT	CC	1940381620
SNP_P1_127566_8268448	NC_021166.1	Ca_kabuli_chr07	8268448	CC	TT	1940381622
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SNP_P1_127570_8271471	NC_021166.1	Ca_kabuli_chr07	8271471	AA	TT	1940381625
SNP_P1_127571_8271499	NC_021166.1	Ca_kabuli_chr07	8271499	TT	AA	1940381627
SNP_P1_127572_8271516	NC_021166.1	Ca_kabuli_chr07	8271516	AA	CC	1940381629

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127574_8271557	NC_021166.1	Ca_kabuli_chr07	8271557	CC	AA	1940381632
SNP_P1_127575_8271954	NC_021166.1	Ca_kabuli_chr07	8271954	TT	CC	1940381634
SNP_P1_127576_8271981	NC_021166.1	Ca_kabuli_chr07	8271981	AA	TT	1940381636
SNP_P1_127578_8273749	NC_021166.1	Ca_kabuli_chr07	8273749	GG	AA	1940381638
SNP_P1_127579_8274026	NC_021166.1	Ca_kabuli_chr07	8274026	TT	CC	1940381639
SNP_P1_127580_8274034	NC_021166.1	Ca_kabuli_chr07	8274034	GG	AA	1940381641
SNP_P1_127581_8274048	NC_021166.1	Ca_kabuli_chr07	8274048	GG	TT	1940381643
SNP_P1_127582_8276707	NC_021166.1	Ca_kabuli_chr07	8276707	TT	CC	1940381645
SNP_P1_127583_8277314	NC_021166.1	Ca_kabuli_chr07	8277314	GG	AA	1940381646
SNP_P1_127584_8277336	NC_021166.1	Ca_kabuli_chr07	8277336	AA	CC	1940381648
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SNP_P1_127586_8277356	NC_021166.1	Ca_kabuli_chr07	8277356	AA	GG	1940381652
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SNP_P1_127589_8277395	NC_021166.1	Ca_kabuli_chr07	8277395	TT	GG	1940381657
SNP_P1_127590_8277711	NC_021166.1	Ca_kabuli_chr07	8277711	AA	TT	1940381659
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SNP_P1_127592_8280672	NC_021166.1	Ca_kabuli_chr07	8280672	TT	AA	1940381662
SNP_P1_127593_8284763	NC_021166.1	Ca_kabuli_chr07	8284763	TT	AA	1940381664
SNP_P1_127594_8285771	NC_021166.1	Ca_kabuli_chr07	8285771	TT	CC	1940381666
SNP_P1_127595_8286514	NC_021166.1	Ca_kabuli_chr07	8286514	AA	GG	1940381668
SNP_P1_127596_8286620	NC_021166.1	Ca_kabuli_chr07	8286620	TT	GG	1940381669
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SNP_P1_127598_8292243	NC_021166.1	Ca_kabuli_chr07	8292243	AA	CC	1940381673
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SNP_P1_127600_8292605	NC_021166.1	Ca_kabuli_chr07	8292605	AA	TT	1940381676
SNP_P1_127601_8293303	NC_021166.1	Ca_kabuli_chr07	8293303	AA	GG	1940381678
SNP_P1_127602_8293380	NC_021166.1	Ca_kabuli_chr07	8293380	TT	AA	1940381680
SNP_P1_127603_8293674	NC_021166.1	Ca_kabuli_chr07	8293674	TT	CC	1940381682
SNP_P1_127604_8294544	NC_021166.1	Ca_kabuli_chr07	8294544	TT	GG	1940381683
SNP_P1_127605_8298108	NC_021166.1	Ca_kabuli_chr07	8298108	AA	GG	1940381685
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SNP_P1_127607_8301166	NC_021166.1	Ca_kabuli_chr07	8301166	TT	GG	1940381689
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SNP_P1_127610_8301301	NC_021166.1	Ca_kabuli_chr07	8301301	CC	GG	1940381694
SNP_P1_127611_8301347	NC_021166.1	Ca_kabuli_chr07	8301347	GG	CC	1940381696
SNP_P1_127612_8301364	NC_021166.1	Ca_kabuli_chr07	8301364	TT	CC	1940381698
SNP_P1_127613_8301379	NC_021166.1	Ca_kabuli_chr07	8301379	TT	CC	1940381699
SNP_P1_127614_8301897	NC_021166.1	Ca_kabuli_chr07	8301897	AA	TT	1940381701
SNP_P1_127615_8302089	NC_021166.1	Ca_kabuli_chr07	8302089	CC	TT	1940381703

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127617_8302975	NC_021166.1	Ca_kabuli_chr07	8302975	TT	CC	1940381706
SNP_P1_127618_8303015	NC_021166.1	Ca_kabuli_chr07	8303015	AA	GG	1940381708
SNP_P1_127619_8303267	NC_021166.1	Ca_kabuli_chr07	8303267	CC	AA	1940381710
SNP_P1_127620_8303284	NC_021166.1	Ca_kabuli_chr07	8303284	AA	TT	1940381712
SNP_P1_127621_8303285	NC_021166.1	Ca_kabuli_chr07	8303285	CC	TT	1940381713
SNP_P1_127622_8303413	NC_021166.1	Ca_kabuli_chr07	8303413	AA	GG	1940381715
SNP_P1_127624_8303784	NC_021166.1	Ca_kabuli_chr07	8303784	AA	GG	1940381717
SNP_P1_127625_8304078	NC_021166.1	Ca_kabuli_chr07	8304078	CC	TT	1940381719
SNP_P1_127627_8305034	NC_021166.1	Ca_kabuli_chr07	8305034	GG	AA	1940381720
SNP_P1_127628_8305078	NC_021166.1	Ca_kabuli_chr07	8305078	TT	GG	1940381722
SNP_P1_127630_8307809	NC_021166.1	Ca_kabuli_chr07	8307809	GG	CC	1940381724
SNP_P1_127631_8308216	NC_021166.1	Ca_kabuli_chr07	8308216	GG	AA	1940381726
SNP_P1_127632_8308235	NC_021166.1	Ca_kabuli_chr07	8308235	TT	AA	1940381727
SNP_P1_127633_8308483	NC_021166.1	Ca_kabuli_chr07	8308483	TT	AA	1940381729
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SNP_P1_127658_8344723	NC_021166.1	Ca_kabuli_chr07	8344723	GG	TT	1940381764
SNP_P1_127660_8345832	NC_021166.1	Ca_kabuli_chr07	8345832	TT	AA	1940381766
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SNP_P1_127662_8347138	NC_021166.1	Ca_kabuli_chr07	8347138	GG	TT	1940381770
SNP_P1_127663_8347189	NC_021166.1	Ca_kabuli_chr07	8347189	CC	TT	1940381771
SNP_P1_127664_8347200	NC_021166.1	Ca_kabuli_chr07	8347200	TT	CC	1940381773
SNP_P1_127665_8347224	NC_021166.1	Ca_kabuli_chr07	8347224	TT	CC	1940381775
SNP_P1_127666_8347229	NC_021166.1	Ca_kabuli_chr07	8347229	CC	TT	1940381777

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127669_8347422	NC_021166.1	Ca_kabuli_chr07	8347422	AA	GG	1940381782
SNP_P1_127670_8347429	NC_021166.1	Ca_kabuli_chr07	8347429	AA	GG	1940381784
SNP_P1_127671_8347460	NC_021166.1	Ca_kabuli_chr07	8347460	TT	CC	1940381785
SNP_P1_127672_8347471	NC_021166.1	Ca_kabuli_chr07	8347471	AA	GG	1940381787
SNP_P1_127673_8348033	NC_021166.1	Ca_kabuli_chr07	8348033	TT	CC	1940381789
SNP_P1_127674_8348039	NC_021166.1	Ca_kabuli_chr07	8348039	AA	GG	1940381791
SNP_P1_127675_8348235	NC_021166.1	Ca_kabuli_chr07	8348235	TT	AA	1940381792
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SNP_P1_127682_8348637	NC_021166.1	Ca_kabuli_chr07	8348637	TT	AA	1940381805
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SNP_P1_127684_8349662	NC_021166.1	Ca_kabuli_chr07	8349662	AA	GG	1940381808
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SNP_P1_127694_8353388	NC_021166.1	Ca_kabuli_chr07	8353388	TT	GG	1940381824
SNP_P1_127695_8353389	NC_021166.1	Ca_kabuli_chr07	8353389	TT	CC	1940381826
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SNP_P1_127697_8353766	NC_021166.1	Ca_kabuli_chr07	8353766	CC	TT	1940381829
SNP_P1_127698_8354034	NC_021166.1	Ca_kabuli_chr07	8354034	GG	TT	1940381831
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SNP_P1_127700_8358840	NC_021166.1	Ca_kabuli_chr07	8358840	TT	CC	1940381835
SNP_P1_127701_8359453	NC_021166.1	Ca_kabuli_chr07	8359453	CC	GG	1940381836
SNP_P1_127702_8361981	NC_021166.1	Ca_kabuli_chr07	8361981	AA	TT	1940381838
SNP_P1_127703_8362472	NC_021166.1	Ca_kabuli_chr07	8362472	GG	TT	1940381840
SNP_P1_127704_8362518	NC_021166.1	Ca_kabuli_chr07	8362518	AA	GG	1940381842
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SNP_P1_127706_8362695	NC_021166.1	Ca_kabuli_chr07	8362695	AA	GG	1940381845
SNP_P1_127707_8362699	NC_021166.1	Ca_kabuli_chr07	8362699	CC	GG	1940381847
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SNP_P1_127710_8364066	NC_021166.1	Ca_kabuli_chr07	8364066	TT	GG	1940381850

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_127711_8364086	NC_021166.1	Ca_kabuli_chr07	8364086	CC	TT	1940381852
SNP_P1_127712_8364101	NC_021166.1	Ca_kabuli_chr07	8364101	AA	GG	1940381854
SNP_P1_127713_8365479	NC_021166.1	Ca_kabuli_chr07	8365479	GG	AA	1940381856
SNP_P1_127714_8365486	NC_021166.1	Ca_kabuli_chr07	8365486	GG	AA	1940381857
SNP_P1_127715_8365644	NC_021166.1	Ca_kabuli_chr07	8365644	CC	TT	1940381859
SNP_P1_127716_8365650	NC_021166.1	Ca_kabuli_chr07	8365650	CC	TT	1940381861
SNP_P1_127717_8365692	NC_021166.1	Ca_kabuli_chr07	8365692	CC	AA	1940381863
SNP_P1_127718_8365832	NC_021166.1	Ca_kabuli_chr07	8365832	GG	AA	1940381864
SNP_P1_127719_8365865	NC_021166.1	Ca_kabuli_chr07	8365865	CC	TT	1940381866
SNP_P1_127720_8365876	NC_021166.1	Ca_kabuli_chr07	8365876	CC	TT	1940381868
SNP_P1_127721_8366461	NC_021166.1	Ca_kabuli_chr07	8366461	GG	AA	1940381870
SNP_P1_127723_8366575	NC_021166.1	Ca_kabuli_chr07	8366575	TT	CC	1940381871
SNP_P1_127724_8366577	NC_021166.1	Ca_kabuli_chr07	8366577	CC	AA	1940381873
SNP_P1_127726_8366886	NC_021166.1	Ca_kabuli_chr07	8366886	CC	GG	1940381875
SNP_P1_127727_8366887	NC_021166.1	Ca_kabuli_chr07	8366887	CC	TT	1940381877
SNP_P1_127728_8367638	NC_021166.1	Ca_kabuli_chr07	8367638	GG	AA	1940381879
SNP_P1_127729_8367647	NC_021166.1	Ca_kabuli_chr07	8367647	TT	AA	1940381880
SNP_P1_127730_8367650	NC_021166.1	Ca_kabuli_chr07	8367650	TT	AA	1940381882
SNP_P1_127731_8368912	NC_021166.1	Ca_kabuli_chr07	8368912	AA	TT	1940381884
SNP_P1_127732_8369102	NC_021166.1	Ca_kabuli_chr07	8369102	TT	CC	1940381886
SNP_P1_127734_8370971	NC_021166.1	Ca_kabuli_chr07	8370971	CC	TT	1940381887
SNP_P1_127735_8372241	NC_021166.1	Ca_kabuli_chr07	8372241	CC	TT	1940381889
SNP_P1_127736_8373071	NC_021166.1	Ca_kabuli_chr07	8373071	CC	TT	1940381891
SNP_P1_127737_8373095	NC_021166.1	Ca_kabuli_chr07	8373095	GG	CC	1940381893
SNP_P1_127738_8373128	NC_021166.1	Ca_kabuli_chr07	8373128	GG	AA	1940381894
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SNP_P1_127741_8374116	NC_021166.1	Ca_kabuli_chr07	8374116	GG	TT	1940381898
SNP_P1_127743_8385402	NC_021166.1	Ca_kabuli_chr07	8385402	TT	CC	1940381900
SNP_P1_127744_8389242	NC_021166.1	Ca_kabuli_chr07	8389242	CC	TT	1940381901
SNP_P1_127745_8389867	NC_021166.1	Ca_kabuli_chr07	8389867	TT	AA	1940381903
SNP_P1_127747_8392415	NC_021166.1	Ca_kabuli_chr07	8392415	AA	TT	1940381905
SNP_P1_127748_8392441	NC_021166.1	Ca_kabuli_chr07	8392441	CC	TT	1940381907
SNP_P1_127749_8392442	NC_021166.1	Ca_kabuli_chr07	8392442	CC	TT	1940381908
SNP_P1_127750_8392454	NC_021166.1	Ca_kabuli_chr07	8392454	GG	AA	1940381910
SNP_P1_127751_8392470	NC_021166.1	Ca_kabuli_chr07	8392470	GG	AA	1940381912
SNP_P1_127752_8392703	NC_021166.1	Ca_kabuli_chr07	8392703	AA	GG	1940381914
SNP_P1_127753_8392720	NC_021166.1	Ca_kabuli_chr07	8392720	CC	TT	1940381915
SNP_P1_127754_8393580	NC_021166.1	Ca_kabuli_chr07	8393580	GG	TT	1940381917
SNP_P1_127755_8393922	NC_021166.1	Ca_kabuli_chr07	8393922	GG	AA	1940381919
SNP_P1_127756_8394854	NC_021166.1	Ca_kabuli_chr07	8394854	TT	CC	1940381921
SNP_P1_127757_8394885	NC_021166.1	Ca_kabuli_chr07	8394885	TT	CC	1940381923
SNP_P1_127758_8394903	NC_021166.1	Ca_kabuli_chr07	8394903	TT	CC	1940381924

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127760_8398890	NC_021166.1	Ca_kabuli_chr07	8398890	GG	AA	1940381928
SNP_P1_127761_8398942	NC_021166.1	Ca_kabuli_chr07	8398942	CC	TT	1940381930
SNP_P1_127762_8399089	NC_021166.1	Ca_kabuli_chr07	8399089	GG	AA	1940381931
SNP_P1_127763_8399901	NC_021166.1	Ca_kabuli_chr07	8399901	TT	CC	1940381933
SNP_P1_127764_8401571	NC_021166.1	Ca_kabuli_chr07	8401571	AA	GG	1940381935
SNP_P1_127765_8402321	NC_021166.1	Ca_kabuli_chr07	8402321	TT	CC	1940381937
SNP_P1_127766_8402434	NC_021166.1	Ca_kabuli_chr07	8402434	TT	CC	1940381939
SNP_P1_127767_8402712	NC_021166.1	Ca_kabuli_chr07	8402712	GG	AA	1940381940
SNP_P1_127768_8402763	NC_021166.1	Ca_kabuli_chr07	8402763	CC	GG	1940381942
SNP_P1_127769_8402852	NC_021166.1	Ca_kabuli_chr07	8402852	AA	CC	1940381944
SNP_P1_127770_8402864	NC_021166.1	Ca_kabuli_chr07	8402864	GG	AA	1940381946
SNP_P1_127771_8402882	NC_021166.1	Ca_kabuli_chr07	8402882	CC	TT	1940381948
SNP_P1_127772_8404512	NC_021166.1	Ca_kabuli_chr07	8404512	AA	GG	1940381949
SNP_P1_127773_8404650	NC_021166.1	Ca_kabuli_chr07	8404650	CC	GG	1940381951
SNP_P1_127774_8404925	NC_021166.1	Ca_kabuli_chr07	8404925	GG	AA	1940381953
SNP_P1_127775_8405227	NC_021166.1	Ca_kabuli_chr07	8405227	AA	CC	1940381955
SNP_P1_127776_8405228	NC_021166.1	Ca_kabuli_chr07	8405228	TT	AA	1940381957
SNP_P1_127777_8405229	NC_021166.1	Ca_kabuli_chr07	8405229	AA	CC	1940381958
SNP_P1_127778_8405269	NC_021166.1	Ca_kabuli_chr07	8405269	TT	CC	1940381960
SNP_P1_127779_8406593	NC_021166.1	Ca_kabuli_chr07	8406593	CC	TT	1940381962
SNP_P1_127780_8406690	NC_021166.1	Ca_kabuli_chr07	8406690	CC	TT	1940381964
SNP_P1_127781_8409635	NC_021166.1	Ca_kabuli_chr07	8409635	TT	GG	1940381966
SNP_P1_127784_8410056	NC_021166.1	Ca_kabuli_chr07	8410056	TT	CC	1940381967
SNP_P1_127785_8410750	NC_021166.1	Ca_kabuli_chr07	8410750	TT	AA	1940381969
SNP_P1_127786_8410759	NC_021166.1	Ca_kabuli_chr07	8410759	TT	AA	1940381971
SNP_P1_127787_8411075	NC_021166.1	Ca_kabuli_chr07	8411075	TT	CC	1940381973
SNP_P1_127788_8412483	NC_021166.1	Ca_kabuli_chr07	8412483	TT	AA	1940381974
SNP_P1_127789_8413246	NC_021166.1	Ca_kabuli_chr07	8413246	TT	GG	1940381976
SNP_P1_127790_8413409	NC_021166.1	Ca_kabuli_chr07	8413409	CC	GG	1940381978
SNP_P1_127791_8413704	NC_021166.1	Ca_kabuli_chr07	8413704	AA	TT	1940381980
SNP_P1_127792_8416175	NC_021166.1	Ca_kabuli_chr07	8416175	GG	CC	1940381982
SNP_P1_127793_8416231	NC_021166.1	Ca_kabuli_chr07	8416231	GG	TT	1940381983
SNP_P1_127794_8416368	NC_021166.1	Ca_kabuli_chr07	8416368	AA	GG	1940381985
SNP_P1_127795_8416984	NC_021166.1	Ca_kabuli_chr07	8416984	GG	AA	1940381987
SNP_P1_127796_8417184	NC_021166.1	Ca_kabuli_chr07	8417184	AA	GG	1940381989
SNP_P1_127797_8417200	NC_021166.1	Ca_kabuli_chr07	8417200	GG	TT	1940381991
SNP_P1_127798_8417594	NC_021166.1	Ca_kabuli_chr07	8417594	AA	GG	1940381992
SNP_P1_127799_8417603	NC_021166.1	Ca_kabuli_chr07	8417603	GG	AA	1940381994
SNP_P1_127800_8417611	NC_021166.1	Ca_kabuli_chr07	8417611	CC	TT	1940381996
SNP_P1_127801_8417658	NC_021166.1	Ca_kabuli_chr07	8417658	AA	GG	1940381998
SNP_P1_127802_8417685	NC_021166.1	Ca_kabuli_chr07	8417685	AA	CC	1940382000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127804_8418239	NC_021166.1	Ca_kabuli_chr07	8418239	CC	TT	1940382003
SNP_P1_127805_8418548	NC_021166.1	Ca_kabuli_chr07	8418548	CC	GG	1940382005
SNP_P1_127806_8420132	NC_021166.1	Ca_kabuli_chr07	8420132	CC	AA	1940382007
SNP_P1_127807_8421911	NC_021166.1	Ca_kabuli_chr07	8421911	AA	TT	1940382009
SNP_P1_127808_8423582	NC_021166.1	Ca_kabuli_chr07	8423582	GG	AA	1940382010
SNP_P1_127809_8424048	NC_021166.1	Ca_kabuli_chr07	8424048	AA	TT	1940382012
SNP_P1_127810_8426988	NC_021166.1	Ca_kabuli_chr07	8426988	AA	TT	1940382014
SNP_P1_127811_8427365	NC_021166.1	Ca_kabuli_chr07	8427365	AA	CC	1940382016
SNP_P1_127812_8427756	NC_021166.1	Ca_kabuli_chr07	8427756	AA	TT	1940382017
SNP_P1_127814_8429874	NC_021166.1	Ca_kabuli_chr07	8429874	TT	CC	1940382019
SNP_P1_127815_8431581	NC_021166.1	Ca_kabuli_chr07	8431581	CC	TT	1940382021
SNP_P1_127816_8431784	NC_021166.1	Ca_kabuli_chr07	8431784	TT	GG	1940382023
SNP_P1_127817_8431794	NC_021166.1	Ca_kabuli_chr07	8431794	AA	GG	1940382025
SNP_P1_127818_8431995	NC_021166.1	Ca_kabuli_chr07	8431995	AA	GG	1940382026
SNP_P1_127821_8433066	NC_021166.1	Ca_kabuli_chr07	8433066	CC	TT	1940382028
SNP_P1_127822_8433109	NC_021166.1	Ca_kabuli_chr07	8433109	TT	CC	1940382030
SNP_P1_127823_8433437	NC_021166.1	Ca_kabuli_chr07	8433437	GG	TT	1940382032
SNP_P1_127824_8433899	NC_021166.1	Ca_kabuli_chr07	8433899	AA	CC	1940382034
SNP_P1_127825_8436478	NC_021166.1	Ca_kabuli_chr07	8436478	TT	CC	1940382035
SNP_P1_127828_8437679	NC_021166.1	Ca_kabuli_chr07	8437679	TT	GG	1940382037
SNP_P1_127830_8439927	NC_021166.1	Ca_kabuli_chr07	8439927	TT	AA	1940382039
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SNP_P1_127833_8440795	NC_021166.1	Ca_kabuli_chr07	8440795	GG	AA	1940382043
SNP_P1_127834_8441082	NC_021166.1	Ca_kabuli_chr07	8441082	TT	CC	1940382044
SNP_P1_127835_8441673	NC_021166.1	Ca_kabuli_chr07	8441673	CC	TT	1940382046
SNP_P1_127836_8441996	NC_021166.1	Ca_kabuli_chr07	8441996	AA	TT	1940382048
SNP_P1_127838_8442063	NC_021166.1	Ca_kabuli_chr07	8442063	CC	AA	1940382050
SNP_P1_127839_8443084	NC_021166.1	Ca_kabuli_chr07	8443084	GG	CC	1940382052
SNP_P1_127840_8443557	NC_021166.1	Ca_kabuli_chr07	8443557	AA	GG	1940382053
SNP_P1_127842_8443886	NC_021166.1	Ca_kabuli_chr07	8443886	CC	TT	1940382055
SNP_P1_127843_8443998	NC_021166.1	Ca_kabuli_chr07	8443998	CC	TT	1940382057
SNP_P1_127844_8444065	NC_021166.1	Ca_kabuli_chr07	8444065	GG	AA	1940382059
SNP_P1_127845_8444444	NC_021166.1	Ca_kabuli_chr07	8444444	TT	CC	1940382061
SNP_P1_127846_8444448	NC_021166.1	Ca_kabuli_chr07	8444448	CC	TT	1940382062
SNP_P1_127847_8444474	NC_021166.1	Ca_kabuli_chr07	8444474	GG	AA	1940382064
SNP_P1_127848_8444801	NC_021166.1	Ca_kabuli_chr07	8444801	GG	CC	1940382066
SNP_P1_127849_8444921	NC_021166.1	Ca_kabuli_chr07	8444921	TT	CC	1940382068
SNP_P1_127850_8445043	NC_021166.1	Ca_kabuli_chr07	8445043	GG	AA	1940382070
SNP_P1_127851_8445096	NC_021166.1	Ca_kabuli_chr07	8445096	TT	AA	1940382071
SNP_P1_127853_8445218	NC_021166.1	Ca_kabuli_chr07	8445218	TT	CC	1940382073
SNP_P1_127854_8445356	NC_021166.1	Ca_kabuli_chr07	8445356	AA	GG	1940382075

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127856_8445369	NC_021166.1	Ca_kabuli_chr07	8445369	AA	CC	1940382079
SNP_P1_127857_8445385	NC_021166.1	Ca_kabuli_chr07	8445385	GG	AA	1940382080
SNP_P1_127858_8445399	NC_021166.1	Ca_kabuli_chr07	8445399	CC	AA	1940382082
SNP_P1_127860_8445772	NC_021166.1	Ca_kabuli_chr07	8445772	GG	AA	1940382084
SNP_P1_127861_8445797	NC_021166.1	Ca_kabuli_chr07	8445797	GG	AA	1940382086
SNP_P1_127862_8445886	NC_021166.1	Ca_kabuli_chr07	8445886	TT	CC	1940382088
SNP_P1_127863_8445902	NC_021166.1	Ca_kabuli_chr07	8445902	AA	GG	1940382089
SNP_P1_127864_8445910	NC_021166.1	Ca_kabuli_chr07	8445910	AA	GG	1940382091
SNP_P1_127865_8445981	NC_021166.1	Ca_kabuli_chr07	8445981	CC	AA	1940382093
SNP_P1_127866_8447785	NC_021166.1	Ca_kabuli_chr07	8447785	TT	CC	1940382095
SNP_P1_127867_8447806	NC_021166.1	Ca_kabuli_chr07	8447806	GG	AA	1940382097
SNP_P1_127868_8447979	NC_021166.1	Ca_kabuli_chr07	8447979	TT	AA	1940382098
SNP_P1_127869_8447981	NC_021166.1	Ca_kabuli_chr07	8447981	CC	TT	1940382100
SNP_P1_127870_8448013	NC_021166.1	Ca_kabuli_chr07	8448013	TT	CC	1940382102
SNP_P1_127871_8448036	NC_021166.1	Ca_kabuli_chr07	8448036	TT	AA	1940382104
SNP_P1_127872_8448198	NC_021166.1	Ca_kabuli_chr07	8448198	GG	CC	1940382106
SNP_P1_127873_8452236	NC_021166.1	Ca_kabuli_chr07	8452236	GG	TT	1940382107
SNP_P1_127874_8452238	NC_021166.1	Ca_kabuli_chr07	8452238	AA	CC	1940382109
SNP_P1_127875_8452248	NC_021166.1	Ca_kabuli_chr07	8452248	AA	GG	1940382111
SNP_P1_127876_8453046	NC_021166.1	Ca_kabuli_chr07	8453046	GG	AA	1940382113
SNP_P1_127877_8453248	NC_021166.1	Ca_kabuli_chr07	8453248	GG	TT	1940382115
SNP_P1_127878_8454618	NC_021166.1	Ca_kabuli_chr07	8454618	GG	TT	1940382116
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SNP_P1_127887_8456896	NC_021166.1	Ca_kabuli_chr07	8456896	GG	AA	1940382131
SNP_P1_127888_8456907	NC_021166.1	Ca_kabuli_chr07	8456907	GG	AA	1940382133
SNP_P1_127889_8456953	NC_021166.1	Ca_kabuli_chr07	8456953	GG	AA	1940382134
SNP_P1_127890_8458487	NC_021166.1	Ca_kabuli_chr07	8458487	AA	GG	1940382136
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SNP_P1_127892_8458550	NC_021166.1	Ca_kabuli_chr07	8458550	AA	GG	1940382140
SNP_P1_127893_8458551	NC_021166.1	Ca_kabuli_chr07	8458551	TT	AA	1940382141
SNP_P1_127894_8458729	NC_021166.1	Ca_kabuli_chr07	8458729	GG	AA	1940382143
SNP_P1_127895_8458807	NC_021166.1	Ca_kabuli_chr07	8458807	TT	GG	1940382145
SNP_P1_127896_8458834	NC_021166.1	Ca_kabuli_chr07	8458834	CC	TT	1940382147
SNP_P1_127897_8458842	NC_021166.1	Ca_kabuli_chr07	8458842	CC	TT	1940382149
SNP_P1_127898_8460041	NC_021166.1	Ca_kabuli_chr07	8460041	TT	CC	1940382150

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127902_8460765	NC_021166.1	Ca_kabuli_chr07	8460765	GG	AA	1940382156
SNP_P1_127903_8460835	NC_021166.1	Ca_kabuli_chr07	8460835	TT	CC	1940382158
SNP_P1_127904_8460856	NC_021166.1	Ca_kabuli_chr07	8460856	CC	GG	1940382159
SNP_P1_127905_8462513	NC_021166.1	Ca_kabuli_chr07	8462513	GG	AA	1940382161
SNP_P1_127906_8462535	NC_021166.1	Ca_kabuli_chr07	8462535	TT	CC	1940382163
SNP_P1_127907_8465149	NC_021166.1	Ca_kabuli_chr07	8465149	AA	CC	1940382165
SNP_P1_127908_8465433	NC_021166.1	Ca_kabuli_chr07	8465433	CC	AA	1940382167
SNP_P1_127909_8465859	NC_021166.1	Ca_kabuli_chr07	8465859	GG	TT	1940382168
SNP_P1_127910_8465912	NC_021166.1	Ca_kabuli_chr07	8465912	GG	AA	1940382170
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SNP_P1_127912_8465939	NC_021166.1	Ca_kabuli_chr07	8465939	CC	TT	1940382174
SNP_P1_127913_8466019	NC_021166.1	Ca_kabuli_chr07	8466019	TT	CC	1940382176
SNP_P1_127914_8466207	NC_021166.1	Ca_kabuli_chr07	8466207	CC	TT	1940382177
SNP_P1_127915_8466357	NC_021166.1	Ca_kabuli_chr07	8466357	TT	AA	1940382179
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SNP_P1_127917_8466759	NC_021166.1	Ca_kabuli_chr07	8466759	GG	TT	1940382183
SNP_P1_127920_8467253	NC_021166.1	Ca_kabuli_chr07	8467253	TT	CC	1940382185
SNP_P1_127922_8467702	NC_021166.1	Ca_kabuli_chr07	8467702	TT	AA	1940382186
SNP_P1_127923_8467771	NC_021166.1	Ca_kabuli_chr07	8467771	AA	TT	1940382188
SNP_P1_127924_8468246	NC_021166.1	Ca_kabuli_chr07	8468246	GG	AA	1940382190
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SNP_P1_127926_8468977	NC_021166.1	Ca_kabuli_chr07	8468977	TT	CC	1940382194
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SNP_P1_127929_8469602	NC_021166.1	Ca_kabuli_chr07	8469602	CC	GG	1940382199
SNP_P1_127930_8469655	NC_021166.1	Ca_kabuli_chr07	8469655	AA	CC	1940382201
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SNP_P1_127932_8469771	NC_021166.1	Ca_kabuli_chr07	8469771	AA	TT	1940382204
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SNP_P1_127934_8469985	NC_021166.1	Ca_kabuli_chr07	8469985	AA	GG	1940382208
SNP_P1_127935_8470021	NC_021166.1	Ca_kabuli_chr07	8470021	TT	CC	1940382210
SNP_P1_127936_8470089	NC_021166.1	Ca_kabuli_chr07	8470089	TT	GG	1940382212
SNP_P1_127937_8470350	NC_021166.1	Ca_kabuli_chr07	8470350	AA	TT	1940382213
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SNP_P1_127939_8470897	NC_021166.1	Ca_kabuli_chr07	8470897	AA	GG	1940382217
SNP_P1_127940_8471141	NC_021166.1	Ca_kabuli_chr07	8471141	AA	GG	1940382219
SNP_P1_127941_8471146	NC_021166.1	Ca_kabuli_chr07	8471146	GG	CC	1940382220
SNP_P1_127942_8471255	NC_021166.1	Ca_kabuli_chr07	8471255	GG	CC	1940382222
SNP_P1_127944_8471295	NC_021166.1	Ca_kabuli_chr07	8471295	AA	CC	1940382224
SNP_P1_127945_8471296	NC_021166.1	Ca_kabuli_chr07	8471296	CC	TT	1940382226

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127949_8472553	NC_021166.1	Ca_kabuli_chr07	8472553	GG	TT	1940382231
SNP_P1_127950_8472561	NC_021166.1	Ca_kabuli_chr07	8472561	CC	TT	1940382233
SNP_P1_127951_8472642	NC_021166.1	Ca_kabuli_chr07	8472642	AA	TT	1940382235
SNP_P1_127952_8472678	NC_021166.1	Ca_kabuli_chr07	8472678	AA	GG	1940382237
SNP_P1_127953_8473069	NC_021166.1	Ca_kabuli_chr07	8473069	CC	AA	1940382239
SNP_P1_127954_8473246	NC_021166.1	Ca_kabuli_chr07	8473246	TT	CC	1940382240
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SNP_P1_127957_8474143	NC_021166.1	Ca_kabuli_chr07	8474143	GG	CC	1940382244
SNP_P1_127958_8474671	NC_021166.1	Ca_kabuli_chr07	8474671	CC	AA	1940382246
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SNP_P1_127960_8476225	NC_021166.1	Ca_kabuli_chr07	8476225	AA	GG	1940382249
SNP_P1_127961_8476513	NC_021166.1	Ca_kabuli_chr07	8476513	TT	AA	1940382251
SNP_P1_127962_8476514	NC_021166.1	Ca_kabuli_chr07	8476514	AA	CC	1940382253
SNP_P1_127963_8477310	NC_021166.1	Ca_kabuli_chr07	8477310	CC	TT	1940382255
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SNP_P1_127980_8484595	NC_021166.1	Ca_kabuli_chr07	8484595	AA	CC	1940382283
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SNP_P1_127982_8484928	NC_021166.1	Ca_kabuli_chr07	8484928	AA	GG	1940382287
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SNP_P1_127988_8485541	NC_021166.1	Ca_kabuli_chr07	8485541	TT	CC	1940382296
SNP_P1_127990_8486395	NC_021166.1	Ca_kabuli_chr07	8486395	CC	AA	1940382297
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_127995_8488160	NC_021166.1	Ca_kabuli_chr07	8488160	TT	AA	1940382306
SNP_P1_127996_8488310	NC_021166.1	Ca_kabuli_chr07	8488310	TT	GG	1940382308
SNP_P1_127997_8488352	NC_021166.1	Ca_kabuli_chr07	8488352	GG	TT	1940382310
SNP_P1_127998_8488634	NC_021166.1	Ca_kabuli_chr07	8488634	CC	TT	1940382312
SNP_P1_127999_8488664	NC_021166.1	Ca_kabuli_chr07	8488664	TT	CC	1940382314
SNP_P1_128000_8489180	NC_021166.1	Ca_kabuli_chr07	8489180	AA	GG	1940382315
SNP_P1_128001_8490749	NC_021166.1	Ca_kabuli_chr07	8490749	TT	CC	1940382317
SNP_P1_128002_8490780	NC_021166.1	Ca_kabuli_chr07	8490780	GG	AA	1940382319
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SNP_P1_128025_8496093	NC_021166.1	Ca_kabuli_chr07	8496093	CC	TT	1940382355
SNP_P1_128026_8496118	NC_021166.1	Ca_kabuli_chr07	8496118	CC	TT	1940382357
SNP_P1_128027_8499195	NC_021166.1	Ca_kabuli_chr07	8499195	GG	AA	1940382358
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SNP_P1_128034_8502038	NC_021166.1	Ca_kabuli_chr07	8502038	CC	TT	1940382371
SNP_P1_128035_8502039	NC_021166.1	Ca_kabuli_chr07	8502039	TT	GG	1940382373
SNP_P1_128036_8502093	NC_021166.1	Ca_kabuli_chr07	8502093	AA	CC	1940382374
SNP_P1_128037_8502406	NC_021166.1	Ca_kabuli_chr07	8502406	TT	CC	1940382376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128041_8502494	NC_021166.1	Ca_kabuli_chr07	8502494	TT	GG	1940382383
SNP_P1_128042_8502510	NC_021166.1	Ca_kabuli_chr07	8502510	CC	AA	1940382385
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SNP_P1_128082_8525219	NC_021166.1	Ca_kabuli_chr07	8525219	TT	CC	1940382447
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SNP_P1_128084_8525288	NC_021166.1	Ca_kabuli_chr07	8525288	AA	GG	1940382450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128088_8525506	NC_021166.1	Ca_kabuli_chr07	8525506	CC	AA	1940382456
SNP_P1_128089_8525544	NC_021166.1	Ca_kabuli_chr07	8525544	TT	GG	1940382457
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SNP_P1_128099_8528461	NC_021166.1	Ca_kabuli_chr07	8528461	CC	TT	1940382473
SNP_P1_128100_8528705	NC_021166.1	Ca_kabuli_chr07	8528705	TT	CC	1940382475
SNP_P1_128101_8529096	NC_021166.1	Ca_kabuli_chr07	8529096	AA	GG	1940382477
SNP_P1_128103_8529237	NC_021166.1	Ca_kabuli_chr07	8529237	CC	GG	1940382479
SNP_P1_128104_8529295	NC_021166.1	Ca_kabuli_chr07	8529295	TT	CC	1940382481
SNP_P1_128105_8529569	NC_021166.1	Ca_kabuli_chr07	8529569	AA	GG	1940382482
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SNP_P1_128109_8539458	NC_021166.1	Ca_kabuli_chr07	8539458	TT	CC	1940382488
SNP_P1_128110_8539586	NC_021166.1	Ca_kabuli_chr07	8539586	GG	AA	1940382489
SNP_P1_128111_8539904	NC_021166.1	Ca_kabuli_chr07	8539904	GG	AA	1940382491
SNP_P1_128112_8539920	NC_021166.1	Ca_kabuli_chr07	8539920	TT	AA	1940382493
SNP_P1_128113_8540019	NC_021166.1	Ca_kabuli_chr07	8540019	AA	CC	1940382495
SNP_P1_128114_8555815	NC_021166.1	Ca_kabuli_chr07	8555815	AA	GG	1940382496
SNP_P1_128115_8557617	NC_021166.1	Ca_kabuli_chr07	8557617	TT	CC	1940382498
SNP_P1_128116_8557625	NC_021166.1	Ca_kabuli_chr07	8557625	TT	CC	1940382500
SNP_P1_128117_8557637	NC_021166.1	Ca_kabuli_chr07	8557637	AA	TT	1940382502
SNP_P1_128118_8557651	NC_021166.1	Ca_kabuli_chr07	8557651	CC	TT	1940382503
SNP_P1_128119_8557654	NC_021166.1	Ca_kabuli_chr07	8557654	TT	AA	1940382505
SNP_P1_128120_8557936	NC_021166.1	Ca_kabuli_chr07	8557936	GG	AA	1940382507
SNP_P1_128122_8558215	NC_021166.1	Ca_kabuli_chr07	8558215	AA	GG	1940382509
SNP_P1_128123_8558254	NC_021166.1	Ca_kabuli_chr07	8558254	GG	AA	1940382510
SNP_P1_128125_8558498	NC_021166.1	Ca_kabuli_chr07	8558498	CC	TT	1940382512
SNP_P1_128126_8558546	NC_021166.1	Ca_kabuli_chr07	8558546	CC	AA	1940382514
SNP_P1_128127_8558564	NC_021166.1	Ca_kabuli_chr07	8558564	AA	CC	1940382516
SNP_P1_128128_8559323	NC_021166.1	Ca_kabuli_chr07	8559323	TT	CC	1940382517
SNP_P1_128129_8559688	NC_021166.1	Ca_kabuli_chr07	8559688	TT	CC	1940382519
SNP_P1_128130_8560431	NC_021166.1	Ca_kabuli_chr07	8560431	CC	AA	1940382521

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128132_8560630	NC_021166.1	Ca_kabuli_chr07	8560630	TT	CC	1940382524
SNP_P1_128133_8561558	NC_021166.1	Ca_kabuli_chr07	8561558	CC	GG	1940382526
SNP_P1_128134_8562208	NC_021166.1	Ca_kabuli_chr07	8562208	AA	TT	1940382528
SNP_P1_128135_8562321	NC_021166.1	Ca_kabuli_chr07	8562321	CC	AA	1940382530
SNP_P1_128138_8562527	NC_021166.1	Ca_kabuli_chr07	8562527	TT	CC	1940382532
SNP_P1_128139_8562706	NC_021166.1	Ca_kabuli_chr07	8562706	TT	AA	1940382533
SNP_P1_128140_8564340	NC_021166.1	Ca_kabuli_chr07	8564340	GG	TT	1940382535
SNP_P1_128141_8567908	NC_021166.1	Ca_kabuli_chr07	8567908	GG	AA	1940382537
SNP_P1_128142_8570480	NC_021166.1	Ca_kabuli_chr07	8570480	AA	GG	1940382539
SNP_P1_128143_8573477	NC_021166.1	Ca_kabuli_chr07	8573477	CC	TT	1940382540
SNP_P1_128144_8573571	NC_021166.1	Ca_kabuli_chr07	8573571	AA	GG	1940382542
SNP_P1_128145_8573962	NC_021166.1	Ca_kabuli_chr07	8573962	CC	TT	1940382544
SNP_P1_128146_8574133	NC_021166.1	Ca_kabuli_chr07	8574133	GG	AA	1940382546
SNP_P1_128147_8574821	NC_021166.1	Ca_kabuli_chr07	8574821	TT	CC	1940382547
SNP_P1_128148_8575357	NC_021166.1	Ca_kabuli_chr07	8575357	CC	TT	1940382549
SNP_P1_128149_8576847	NC_021166.1	Ca_kabuli_chr07	8576847	GG	TT	1940382551
SNP_P1_128150_8576865	NC_021166.1	Ca_kabuli_chr07	8576865	CC	TT	1940382553
SNP_P1_128151_8577009	NC_021166.1	Ca_kabuli_chr07	8577009	GG	TT	1940382554
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SNP_P1_128153_8577731	NC_021166.1	Ca_kabuli_chr07	8577731	CC	TT	1940382558
SNP_P1_128154_8581405	NC_021166.1	Ca_kabuli_chr07	8581405	GG	AA	1940382560
SNP_P1_128155_8583206	NC_021166.1	Ca_kabuli_chr07	8583206	GG	TT	1940382561
SNP_P1_128156_8587395	NC_021166.1	Ca_kabuli_chr07	8587395	GG	AA	1940382563
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SNP_P1_128158_8590975	NC_021166.1	Ca_kabuli_chr07	8590975	CC	GG	1940382567
SNP_P1_128159_8590996	NC_021166.1	Ca_kabuli_chr07	8590996	GG	AA	1940382568
SNP_P1_128160_8591509	NC_021166.1	Ca_kabuli_chr07	8591509	TT	GG	1940382570
SNP_P1_128161_8592074	NC_021166.1	Ca_kabuli_chr07	8592074	CC	AA	1940382572
SNP_P1_128162_8592167	NC_021166.1	Ca_kabuli_chr07	8592167	GG	AA	1940382574
SNP_P1_128163_8593096	NC_021166.1	Ca_kabuli_chr07	8593096	TT	GG	1940382575
SNP_P1_128164_8593097	NC_021166.1	Ca_kabuli_chr07	8593097	GG	CC	1940382577
SNP_P1_128165_8593428	NC_021166.1	Ca_kabuli_chr07	8593428	AA	CC	1940382579
SNP_P1_128166_8594451	NC_021166.1	Ca_kabuli_chr07	8594451	AA	TT	1940382581
SNP_P1_128167_8594633	NC_021166.1	Ca_kabuli_chr07	8594633	GG	TT	1940382582
SNP_P1_128168_8594661	NC_021166.1	Ca_kabuli_chr07	8594661	CC	GG	1940382584
SNP_P1_128169_8594662	NC_021166.1	Ca_kabuli_chr07	8594662	GG	AA	1940382586
SNP_P1_128170_8594712	NC_021166.1	Ca_kabuli_chr07	8594712	GG	AA	1940382588
SNP_P1_128171_8594863	NC_021166.1	Ca_kabuli_chr07	8594863	GG	AA	1940382589
SNP_P1_128172_8594884	NC_021166.1	Ca_kabuli_chr07	8594884	AA	GG	1940382591
SNP_P1_128173_8594896	NC_021166.1	Ca_kabuli_chr07	8594896	AA	TT	1940382593
SNP_P1_128174_8594908	NC_021166.1	Ca_kabuli_chr07	8594908	TT	CC	1940382595

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128176_8594927	NC_021166.1	Ca_kabuli_chr07	8594927	GG	AA	1940382598
SNP_P1_128177_8595110	NC_021166.1	Ca_kabuli_chr07	8595110	TT	CC	1940382600
SNP_P1_128178_8595305	NC_021166.1	Ca_kabuli_chr07	8595305	GG	AA	1940382602
SNP_P1_128179_8595746	NC_021166.1	Ca_kabuli_chr07	8595746	AA	TT	1940382604
SNP_P1_128180_8596877	NC_021166.1	Ca_kabuli_chr07	8596877	GG	AA	1940382605
SNP_P1_128181_8596937	NC_021166.1	Ca_kabuli_chr07	8596937	AA	TT	1940382607
SNP_P1_128182_8596948	NC_021166.1	Ca_kabuli_chr07	8596948	AA	GG	1940382609
SNP_P1_128185_8597419	NC_021166.1	Ca_kabuli_chr07	8597419	TT	CC	1940382610
SNP_P1_128186_8597892	NC_021166.1	Ca_kabuli_chr07	8597892	AA	GG	1940382612
SNP_P1_128187_8600528	NC_021166.1	Ca_kabuli_chr07	8600528	TT	AA	1940382614
SNP_P1_128188_8600921	NC_021166.1	Ca_kabuli_chr07	8600921	TT	AA	1940382616
SNP_P1_128191_8601229	NC_021166.1	Ca_kabuli_chr07	8601229	AA	GG	1940382618
SNP_P1_128192_8601280	NC_021166.1	Ca_kabuli_chr07	8601280	TT	CC	1940382619
SNP_P1_128193_8601304	NC_021166.1	Ca_kabuli_chr07	8601304	AA	GG	1940382621
SNP_P1_128195_8603089	NC_021166.1	Ca_kabuli_chr07	8603089	AA	GG	1940382623
SNP_P1_128196_8603236	NC_021166.1	Ca_kabuli_chr07	8603236	TT	CC	1940382624
SNP_P1_128197_8603392	NC_021166.1	Ca_kabuli_chr07	8603392	AA	GG	1940382626
SNP_P1_128198_8603427	NC_021166.1	Ca_kabuli_chr07	8603427	TT	GG	1940382628
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SNP_P1_128200_8603493	NC_021166.1	Ca_kabuli_chr07	8603493	CC	GG	1940382631
SNP_P1_128201_8606412	NC_021166.1	Ca_kabuli_chr07	8606412	AA	TT	1940382633
SNP_P1_128203_8606904	NC_021166.1	Ca_kabuli_chr07	8606904	TT	CC	1940382635
SNP_P1_128204_8606955	NC_021166.1	Ca_kabuli_chr07	8606955	GG	AA	1940382637
SNP_P1_128205_8607066	NC_021166.1	Ca_kabuli_chr07	8607066	TT	CC	1940382639
SNP_P1_128206_8607639	NC_021166.1	Ca_kabuli_chr07	8607639	TT	AA	1940382640
SNP_P1_128207_8607640	NC_021166.1	Ca_kabuli_chr07	8607640	TT	GG	1940382641
SNP_P1_128208_8613240	NC_021166.1	Ca_kabuli_chr07	8613240	CC	GG	1940382642
SNP_P1_128209_8613275	NC_021166.1	Ca_kabuli_chr07	8613275	CC	AA	1940382643
SNP_P1_128210_8613302	NC_021166.1	Ca_kabuli_chr07	8613302	CC	AA	1940382644
SNP_P1_128211_8613332	NC_021166.1	Ca_kabuli_chr07	8613332	GG	AA	1940382645
SNP_P1_128212_8613385	NC_021166.1	Ca_kabuli_chr07	8613385	CC	TT	1940382647
SNP_P1_128213_8613386	NC_021166.1	Ca_kabuli_chr07	8613386	CC	TT	1940382649
SNP_P1_128214_8613415	NC_021166.1	Ca_kabuli_chr07	8613415	GG	AA	1940382650
SNP_P1_128215_8613464	NC_021166.1	Ca_kabuli_chr07	8613464	AA	GG	1940382652
SNP_P1_128216_8613465	NC_021166.1	Ca_kabuli_chr07	8613465	AA	TT	1940382654
SNP_P1_128217_8613467	NC_021166.1	Ca_kabuli_chr07	8613467	TT	AA	1940382656
SNP_P1_128218_8613468	NC_021166.1	Ca_kabuli_chr07	8613468	TT	AA	1940382657
SNP_P1_128219_8613495	NC_021166.1	Ca_kabuli_chr07	8613495	CC	TT	1940382659
SNP_P1_128220_8613512	NC_021166.1	Ca_kabuli_chr07	8613512	TT	AA	1940382661
SNP_P1_128221_8613542	NC_021166.1	Ca_kabuli_chr07	8613542	CC	TT	1940382663
SNP_P1_128222_8613566	NC_021166.1	Ca_kabuli_chr07	8613566	GG	AA	1940382664

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128225_8617088	NC_021166.1	Ca_kabuli_chr07	8617088	AA	TT	1940382668
SNP_P1_128226_8618277	NC_021166.1	Ca_kabuli_chr07	8618277	CC	TT	1940382670
SNP_P1_128227_8618286	NC_021166.1	Ca_kabuli_chr07	8618286	TT	AA	1940382671
SNP_P1_128228_8618340	NC_021166.1	Ca_kabuli_chr07	8618340	CC	TT	1940382676
SNP_P1_128229_8618354	NC_021166.1	Ca_kabuli_chr07	8618354	AA	TT	1940382677
SNP_P1_128230_8618586	NC_021166.1	Ca_kabuli_chr07	8618586	GG	CC	1940382679
SNP_P1_128233_8621174	NC_021166.1	Ca_kabuli_chr07	8621174	AA	TT	1940382681
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SNP_P1_128235_8621180	NC_021166.1	Ca_kabuli_chr07	8621180	AA	TT	1940382684
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SNP_P1_128240_8622017	NC_021166.1	Ca_kabuli_chr07	8622017	AA	TT	1940382691
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SNP_P1_128242_8622373	NC_021166.1	Ca_kabuli_chr07	8622373	AA	GG	1940382695
SNP_P1_128243_8622497	NC_021166.1	Ca_kabuli_chr07	8622497	AA	CC	1940382697
SNP_P1_128244_8622528	NC_021166.1	Ca_kabuli_chr07	8622528	TT	GG	1940382698
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SNP_P1_128254_8623195	NC_021166.1	Ca_kabuli_chr07	8623195	TT	CC	1940382716
SNP_P1_128255_8624270	NC_021166.1	Ca_kabuli_chr07	8624270	CC	TT	1940382718
SNP_P1_128256_8624597	NC_021166.1	Ca_kabuli_chr07	8624597	AA	GG	1940382720
SNP_P1_128257_8624606	NC_021166.1	Ca_kabuli_chr07	8624606	TT	CC	1940382721
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SNP_P1_128260_8627639	NC_021166.1	Ca_kabuli_chr07	8627639	GG	AA	1940382725
SNP_P1_128261_8628199	NC_021166.1	Ca_kabuli_chr07	8628199	TT	CC	1940382727
SNP_P1_128262_8628226	NC_021166.1	Ca_kabuli_chr07	8628226	AA	TT	1940382728
SNP_P1_128263_8628258	NC_021166.1	Ca_kabuli_chr07	8628258	CC	TT	1940382730
SNP_P1_128264_8628619	NC_021166.1	Ca_kabuli_chr07	8628619	AA	TT	1940382732
SNP_P1_128265_8628797	NC_021166.1	Ca_kabuli_chr07	8628797	AA	TT	1940382734
SNP_P1_128266_8629119	NC_021166.1	Ca_kabuli_chr07	8629119	CC	TT	1940382735
SNP_P1_128267_8629147	NC_021166.1	Ca_kabuli_chr07	8629147	AA	TT	1940382737
SNP_P1_128268_8629514	NC_021166.1	Ca_kabuli_chr07	8629514	GG	AA	1940382739
SNP_P1_128269_8629521	NC_021166.1	Ca_kabuli_chr07	8629521	AA	TT	1940382741

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128272_8631719	NC_021166.1	Ca_kabuli_chr07	8631719	TT	CC	1940382746
SNP_P1_128273_8632194	NC_021166.1	Ca_kabuli_chr07	8632194	GG	AA	1940382748
SNP_P1_128274_8632585	NC_021166.1	Ca_kabuli_chr07	8632585	AA	GG	1940382749
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SNP_P1_128276_8633121	NC_021166.1	Ca_kabuli_chr07	8633121	CC	TT	1940382753
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SNP_P1_128281_8635963	NC_021166.1	Ca_kabuli_chr07	8635963	CC	GG	1940382758
SNP_P1_128282_8636811	NC_021166.1	Ca_kabuli_chr07	8636811	CC	GG	1940382760
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SNP_P1_128295_8646626	NC_021166.1	Ca_kabuli_chr07	8646626	TT	CC	1940382781
SNP_P1_128296_8646724	NC_021166.1	Ca_kabuli_chr07	8646724	CC	AA	1940382783
SNP_P1_128297_8646834	NC_021166.1	Ca_kabuli_chr07	8646834	CC	TT	1940382785
SNP_P1_128298_8646898	NC_021166.1	Ca_kabuli_chr07	8646898	CC	AA	1940382786
SNP_P1_128299_8647812	NC_021166.1	Ca_kabuli_chr07	8647812	TT	AA	1940382788
SNP_P1_128300_8647853	NC_021166.1	Ca_kabuli_chr07	8647853	CC	TT	1940382790
SNP_P1_128301_8648243	NC_021166.1	Ca_kabuli_chr07	8648243	TT	CC	1940382792
SNP_P1_128303_8648344	NC_021166.1	Ca_kabuli_chr07	8648344	AA	GG	1940382793
SNP_P1_128304_8648422	NC_021166.1	Ca_kabuli_chr07	8648422	GG	TT	1940382795
SNP_P1_128305_8648427	NC_021166.1	Ca_kabuli_chr07	8648427	TT	GG	1940382797
SNP_P1_128306_8648813	NC_021166.1	Ca_kabuli_chr07	8648813	AA	CC	1940382799
SNP_P1_128307_8648850	NC_021166.1	Ca_kabuli_chr07	8648850	GG	AA	1940382800
SNP_P1_128308_8649119	NC_021166.1	Ca_kabuli_chr07	8649119	GG	TT	1940382802
SNP_P1_128310_8649667	NC_021166.1	Ca_kabuli_chr07	8649667	TT	CC	1940382804
SNP_P1_128311_8649674	NC_021166.1	Ca_kabuli_chr07	8649674	CC	TT	1940382806
SNP_P1_128312_8649678	NC_021166.1	Ca_kabuli_chr07	8649678	CC	TT	1940382807
SNP_P1_128313_8649790	NC_021166.1	Ca_kabuli_chr07	8649790	GG	AA	1940382809
SNP_P1_128314_8651506	NC_021166.1	Ca_kabuli_chr07	8651506	TT	CC	1940382811
SNP_P1_128315_8652654	NC_021166.1	Ca_kabuli_chr07	8652654	TT	GG	1940382813
SNP_P1_128316_8653327	NC_021166.1	Ca_kabuli_chr07	8653327	AA	GG	1940382814

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128318_8653602	NC_021166.1	Ca_kabuli_chr07	8653602	CC	TT	1940382818
SNP_P1_128319_8653603	NC_021166.1	Ca_kabuli_chr07	8653603	CC	GG	1940382820
SNP_P1_128320_8653659	NC_021166.1	Ca_kabuli_chr07	8653659	CC	TT	1940382821
SNP_P1_128321_8653660	NC_021166.1	Ca_kabuli_chr07	8653660	TT	CC	1940382823
SNP_P1_128322_8653773	NC_021166.1	Ca_kabuli_chr07	8653773	AA	GG	1940382825
SNP_P1_128323_8654021	NC_021166.1	Ca_kabuli_chr07	8654021	GG	TT	1940382827
SNP_P1_128324_8654026	NC_021166.1	Ca_kabuli_chr07	8654026	CC	AA	1940382828
SNP_P1_128325_8654176	NC_021166.1	Ca_kabuli_chr07	8654176	AA	TT	1940382830
SNP_P1_128326_8654203	NC_021166.1	Ca_kabuli_chr07	8654203	CC	TT	1940382832
SNP_P1_128327_8654615	NC_021166.1	Ca_kabuli_chr07	8654615	CC	TT	1940382834
SNP_P1_128328_8654659	NC_021166.1	Ca_kabuli_chr07	8654659	CC	TT	1940382836
SNP_P1_128329_8654817	NC_021166.1	Ca_kabuli_chr07	8654817	TT	AA	1940382837
SNP_P1_128330_8654961	NC_021166.1	Ca_kabuli_chr07	8654961	TT	GG	1940382839
SNP_P1_128331_8654963	NC_021166.1	Ca_kabuli_chr07	8654963	TT	CC	1940382841
SNP_P1_128332_8655463	NC_021166.1	Ca_kabuli_chr07	8655463	GG	AA	1940382843
SNP_P1_128333_8655476	NC_021166.1	Ca_kabuli_chr07	8655476	GG	TT	1940382844
SNP_P1_128334_8655564	NC_021166.1	Ca_kabuli_chr07	8655564	TT	AA	1940382846
SNP_P1_128335_8655566	NC_021166.1	Ca_kabuli_chr07	8655566	CC	AA	1940382848
SNP_P1_128336_8655844	NC_021166.1	Ca_kabuli_chr07	8655844	AA	GG	1940382850
SNP_P1_128337_8657069	NC_021166.1	Ca_kabuli_chr07	8657069	AA	GG	1940382851
SNP_P1_128338_8657104	NC_021166.1	Ca_kabuli_chr07	8657104	AA	GG	1940382853
SNP_P1_128339_8657129	NC_021166.1	Ca_kabuli_chr07	8657129	CC	TT	1940382855
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SNP_P1_128345_8658323	NC_021166.1	Ca_kabuli_chr07	8658323	GG	TT	1940382865
SNP_P1_128346_8659565	NC_021166.1	Ca_kabuli_chr07	8659565	GG	CC	1940382867
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SNP_P1_128348_8659820	NC_021166.1	Ca_kabuli_chr07	8659820	AA	CC	1940382871
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SNP_P1_128351_8662293	NC_021166.1	Ca_kabuli_chr07	8662293	GG	TT	1940382874
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SNP_P1_128353_8662387	NC_021166.1	Ca_kabuli_chr07	8662387	GG	CC	1940382878
SNP_P1_128354_8662566	NC_021166.1	Ca_kabuli_chr07	8662566	TT	AA	1940382880
SNP_P1_128356_8663401	NC_021166.1	Ca_kabuli_chr07	8663401	AA	TT	1940382881
SNP_P1_128357_8663407	NC_021166.1	Ca_kabuli_chr07	8663407	AA	GG	1940382883
SNP_P1_128358_8663592	NC_021166.1	Ca_kabuli_chr07	8663592	CC	TT	1940382885
SNP_P1_128359_8664772	NC_021166.1	Ca_kabuli_chr07	8664772	TT	GG	1940382887
SNP_P1_128360_8665913	NC_021166.1	Ca_kabuli_chr07	8665913	TT	AA	1940382888

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128364_8666994	NC_021166.1	Ca_kabuli_chr07	8666994	AA	TT	1940382892
SNP_P1_128365_8667166	NC_021166.1	Ca_kabuli_chr07	8667166	AA	GG	1940382894
SNP_P1_128366_8667183	NC_021166.1	Ca_kabuli_chr07	8667183	AA	GG	1940382895
SNP_P1_128367_8667193	NC_021166.1	Ca_kabuli_chr07	8667193	AA	GG	1940382897
SNP_P1_128368_8667486	NC_021166.1	Ca_kabuli_chr07	8667486	GG	AA	1940382899
SNP_P1_128369_8667494	NC_021166.1	Ca_kabuli_chr07	8667494	AA	GG	1940382901
SNP_P1_128370_8667495	NC_021166.1	Ca_kabuli_chr07	8667495	GG	AA	1940382902
SNP_P1_128371_8668949	NC_021166.1	Ca_kabuli_chr07	8668949	TT	GG	1940382904
SNP_P1_128372_8668953	NC_021166.1	Ca_kabuli_chr07	8668953	AA	GG	1940382906
SNP_P1_128373_8668964	NC_021166.1	Ca_kabuli_chr07	8668964	CC	TT	1940382908
SNP_P1_128374_8668969	NC_021166.1	Ca_kabuli_chr07	8668969	TT	GG	1940382909
SNP_P1_128375_8669223	NC_021166.1	Ca_kabuli_chr07	8669223	TT	CC	1940382911
SNP_P1_128377_8669500	NC_021166.1	Ca_kabuli_chr07	8669500	GG	AA	1940382913
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SNP_P1_128380_8669516	NC_021166.1	Ca_kabuli_chr07	8669516	TT	CC	1940382918
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SNP_P1_128382_8669654	NC_021166.1	Ca_kabuli_chr07	8669654	TT	CC	1940382922
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SNP_P1_128384_8669915	NC_021166.1	Ca_kabuli_chr07	8669915	TT	GG	1940382925
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SNP_P1_128390_8672243	NC_021166.1	Ca_kabuli_chr07	8672243	CC	GG	1940382932
SNP_P1_128391_8672506	NC_021166.1	Ca_kabuli_chr07	8672506	TT	CC	1940382937
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SNP_P1_128393_8672907	NC_021166.1	Ca_kabuli_chr07	8672907	CC	TT	1940382941
SNP_P1_128394_8672909	NC_021166.1	Ca_kabuli_chr07	8672909	GG	AA	1940382943
SNP_P1_128395_8673096	NC_021166.1	Ca_kabuli_chr07	8673096	CC	TT	1940382944
SNP_P1_128396_8673119	NC_021166.1	Ca_kabuli_chr07	8673119	AA	TT	1940382946
SNP_P1_128397_8673160	NC_021166.1	Ca_kabuli_chr07	8673160	GG	AA	1940382948
SNP_P1_128398_8673181	NC_021166.1	Ca_kabuli_chr07	8673181	TT	CC	1940382950
SNP_P1_128399_8673263	NC_021166.1	Ca_kabuli_chr07	8673263	GG	AA	1940382951
SNP_P1_128400_8673406	NC_021166.1	Ca_kabuli_chr07	8673406	TT	CC	1940382953
SNP_P1_128401_8673444	NC_021166.1	Ca_kabuli_chr07	8673444	AA	GG	1940382955
SNP_P1_128402_8673472	NC_021166.1	Ca_kabuli_chr07	8673472	TT	CC	1940382957
SNP_P1_128403_8673512	NC_021166.1	Ca_kabuli_chr07	8673512	TT	CC	1940382958
SNP_P1_128404_8673572	NC_021166.1	Ca_kabuli_chr07	8673572	AA	GG	1940382960
SNP_P1_128405_8673604	NC_021166.1	Ca_kabuli_chr07	8673604	AA	GG	1940382962
SNP_P1_128406_8673643	NC_021166.1	Ca_kabuli_chr07	8673643	GG	AA	1940382964
SNP_P1_128407_8673688	NC_021166.1	Ca_kabuli_chr07	8673688	TT	CC	1940382965

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128410_8673915	NC_021166.1	Ca_kabuli_chr07	8673915	TT	AA	1940382969
SNP_P1_128411_8677340	NC_021166.1	Ca_kabuli_chr07	8677340	GG	AA	1940382971
SNP_P1_128414_8677849	NC_021166.1	Ca_kabuli_chr07	8677849	GG	AA	1940382972
SNP_P1_128416_8678429	NC_021166.1	Ca_kabuli_chr07	8678429	GG	TT	1940382974
SNP_P1_128417_8678576	NC_021166.1	Ca_kabuli_chr07	8678576	AA	CC	1940382976
SNP_P1_128418_8678587	NC_021166.1	Ca_kabuli_chr07	8678587	AA	GG	1940382978
SNP_P1_128419_8678608	NC_021166.1	Ca_kabuli_chr07	8678608	TT	CC	1940382979
SNP_P1_128421_8681174	NC_021166.1	Ca_kabuli_chr07	8681174	AA	CC	1940382981
SNP_P1_128422_8681209	NC_021166.1	Ca_kabuli_chr07	8681209	AA	GG	1940382983
SNP_P1_128424_8681777	NC_021166.1	Ca_kabuli_chr07	8681777	AA	GG	1940382985
SNP_P1_128425_8682717	NC_021166.1	Ca_kabuli_chr07	8682717	AA	GG	1940382987
SNP_P1_128426_8683006	NC_021166.1	Ca_kabuli_chr07	8683006	GG	TT	1940382988
SNP_P1_128430_8683943	NC_021166.1	Ca_kabuli_chr07	8683943	GG	AA	1940382990
SNP_P1_128432_8684308	NC_021166.1	Ca_kabuli_chr07	8684308	CC	TT	1940382992
SNP_P1_128433_8684432	NC_021166.1	Ca_kabuli_chr07	8684432	AA	TT	1940382994
SNP_P1_128434_8685000	NC_021166.1	Ca_kabuli_chr07	8685000	CC	TT	1940382995
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SNP_P1_128440_8687443	NC_021166.1	Ca_kabuli_chr07	8687443	GG	TT	1940383004
SNP_P1_128441_8689926	NC_021166.1	Ca_kabuli_chr07	8689926	CC	AA	1940383006
SNP_P1_128443_8693097	NC_021166.1	Ca_kabuli_chr07	8693097	GG	TT	1940383008
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SNP_P1_128445_8707296	NC_021166.1	Ca_kabuli_chr07	8707296	AA	GG	1940383011
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SNP_P1_128450_8709319	NC_021166.1	Ca_kabuli_chr07	8709319	TT	CC	1940383018
SNP_P1_128452_8710255	NC_021166.1	Ca_kabuli_chr07	8710255	GG	AA	1940383020
SNP_P1_128454_8710529	NC_021166.1	Ca_kabuli_chr07	8710529	TT	CC	1940383022
SNP_P1_128455_8710618	NC_021166.1	Ca_kabuli_chr07	8710618	GG	AA	1940383023
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SNP_P1_128458_8711152	NC_021166.1	Ca_kabuli_chr07	8711152	AA	GG	1940383029
SNP_P1_128459_8711450	NC_021166.1	Ca_kabuli_chr07	8711450	AA	CC	1940383030
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SNP_P1_128461_8712855	NC_021166.1	Ca_kabuli_chr07	8712855	CC	TT	1940383034
SNP_P1_128463_8713757	NC_021166.1	Ca_kabuli_chr07	8713757	TT	AA	1940383036
SNP_P1_128464_8715156	NC_021166.1	Ca_kabuli_chr07	8715156	TT	AA	1940383037
SNP_P1_128465_8715161	NC_021166.1	Ca_kabuli_chr07	8715161	GG	TT	1940383039

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128468_8715605	NC_021166.1	Ca_kabuli_chr07	8715605	AA	GG	1940383043
SNP_P1_128469_8716194	NC_021166.1	Ca_kabuli_chr07	8716194	GG	CC	1940383045
SNP_P1_128470_8716247	NC_021166.1	Ca_kabuli_chr07	8716247	TT	CC	1940383046
SNP_P1_128471_8716265	NC_021166.1	Ca_kabuli_chr07	8716265	AA	GG	1940383048
SNP_P1_128472_8716274	NC_021166.1	Ca_kabuli_chr07	8716274	AA	TT	1940383050
SNP_P1_128473_8716325	NC_021166.1	Ca_kabuli_chr07	8716325	AA	GG	1940383052
SNP_P1_128474_8716331	NC_021166.1	Ca_kabuli_chr07	8716331	TT	CC	1940383053
SNP_P1_128475_8716412	NC_021166.1	Ca_kabuli_chr07	8716412	TT	CC	1940383055
SNP_P1_128476_8716427	NC_021166.1	Ca_kabuli_chr07	8716427	AA	TT	1940383057
SNP_P1_128477_8716458	NC_021166.1	Ca_kabuli_chr07	8716458	AA	GG	1940383059
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SNP_P1_128483_8716731	NC_021166.1	Ca_kabuli_chr07	8716731	TT	CC	1940383069
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SNP_P1_128492_8726370	NC_021166.1	Ca_kabuli_chr07	8726370	GG	CC	1940383080
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SNP_P1_128500_8728612	NC_021166.1	Ca_kabuli_chr07	8728612	TT	CC	1940383089
SNP_P1_128501_8728714	NC_021166.1	Ca_kabuli_chr07	8728714	CC	TT	1940383090
SNP_P1_128502_8728808	NC_021166.1	Ca_kabuli_chr07	8728808	TT	CC	1940383092
SNP_P1_128503_8728828	NC_021166.1	Ca_kabuli_chr07	8728828	GG	AA	1940383094
SNP_P1_128504_8729458	NC_021166.1	Ca_kabuli_chr07	8729458	AA	TT	1940383096
SNP_P1_128505_8730204	NC_021166.1	Ca_kabuli_chr07	8730204	TT	GG	1940383097
SNP_P1_128506_8734735	NC_021166.1	Ca_kabuli_chr07	8734735	CC	TT	1940383099
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SNP_P1_128509_8735149	NC_021166.1	Ca_kabuli_chr07	8735149	TT	CC	1940383105
SNP_P1_128510_8736270	NC_021166.1	Ca_kabuli_chr07	8736270	CC	TT	1940383106
SNP_P1_128511_8736419	NC_021166.1	Ca_kabuli_chr07	8736419	CC	TT	1940383108
SNP_P1_128512_8736439	NC_021166.1	Ca_kabuli_chr07	8736439	GG	AA	1940383110

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128516_8736744	NC_021166.1	Ca_kabuli_chr07	8736744	TT	AA	1940383115
SNP_P1_128517_8736804	NC_021166.1	Ca_kabuli_chr07	8736804	AA	TT	1940383117
SNP_P1_128520_8737569	NC_021166.1	Ca_kabuli_chr07	8737569	AA	GG	1940383119
SNP_P1_128522_8737837	NC_021166.1	Ca_kabuli_chr07	8737837	TT	CC	1940383120
SNP_P1_128523_8738153	NC_021166.1	Ca_kabuli_chr07	8738153	TT	AA	1940383122
SNP_P1_128525_8739599	NC_021166.1	Ca_kabuli_chr07	8739599	GG	TT	1940383124
SNP_P1_128526_8739613	NC_021166.1	Ca_kabuli_chr07	8739613	TT	GG	1940383126
SNP_P1_128527_8739634	NC_021166.1	Ca_kabuli_chr07	8739634	TT	AA	1940383127
SNP_P1_128528_8739636	NC_021166.1	Ca_kabuli_chr07	8739636	AA	TT	1940383129
SNP_P1_128529_8740030	NC_021166.1	Ca_kabuli_chr07	8740030	GG	TT	1940383131
SNP_P1_128530_8741461	NC_021166.1	Ca_kabuli_chr07	8741461	TT	CC	1940383133
SNP_P1_128531_8743802	NC_021166.1	Ca_kabuli_chr07	8743802	GG	AA	1940383134
SNP_P1_128532_8743826	NC_021166.1	Ca_kabuli_chr07	8743826	AA	CC	1940383136
SNP_P1_128533_8744303	NC_021166.1	Ca_kabuli_chr07	8744303	CC	TT	1940383138
SNP_P1_128534_8745484	NC_021166.1	Ca_kabuli_chr07	8745484	TT	CC	1940383140
SNP_P1_128535_8749562	NC_021166.1	Ca_kabuli_chr07	8749562	GG	CC	1940383141
SNP_P1_128536_8749632	NC_021166.1	Ca_kabuli_chr07	8749632	TT	CC	1940383143
SNP_P1_128537_8749701	NC_021166.1	Ca_kabuli_chr07	8749701	TT	CC	1940383145
SNP_P1_128538_8749754	NC_021166.1	Ca_kabuli_chr07	8749754	CC	TT	1940383147
SNP_P1_128539_8750054	NC_021166.1	Ca_kabuli_chr07	8750054	GG	TT	1940383148
SNP_P1_128540_8750094	NC_021166.1	Ca_kabuli_chr07	8750094	GG	CC	1940383150
SNP_P1_128541_8750318	NC_021166.1	Ca_kabuli_chr07	8750318	TT	GG	1940383152
SNP_P1_128543_8751777	NC_021166.1	Ca_kabuli_chr07	8751777	CC	TT	1940383154
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SNP_P1_128548_8758189	NC_021166.1	Ca_kabuli_chr07	8758189	AA	GG	1940383161
SNP_P1_128549_8758323	NC_021166.1	Ca_kabuli_chr07	8758323	TT	AA	1940383163
SNP_P1_128550_8758713	NC_021166.1	Ca_kabuli_chr07	8758713	CC	AA	1940383164
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SNP_P1_128556_8761377	NC_021166.1	Ca_kabuli_chr07	8761377	AA	GG	1940383173
SNP_P1_128557_8761502	NC_021166.1	Ca_kabuli_chr07	8761502	GG	AA	1940383175
SNP_P1_128558_8761710	NC_021166.1	Ca_kabuli_chr07	8761710	CC	TT	1940383177
SNP_P1_128560_8762308	NC_021166.1	Ca_kabuli_chr07	8762308	TT	AA	1940383178
SNP_P1_128561_8762358	NC_021166.1	Ca_kabuli_chr07	8762358	CC	GG	1940383180
SNP_P1_128562_8762378	NC_021166.1	Ca_kabuli_chr07	8762378	AA	GG	1940383182
SNP_P1_128563_8762641	NC_021166.1	Ca_kabuli_chr07	8762641	AA	GG	1940383184

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128565_8762716	NC_021166.1	Ca_kabuli_chr07	8762716	GG	AA	1940383187
SNP_P1_128566_8762841	NC_021166.1	Ca_kabuli_chr07	8762841	AA	GG	1940383189
SNP_P1_128567_8762847	NC_021166.1	Ca_kabuli_chr07	8762847	AA	GG	1940383191
SNP_P1_128568_8764587	NC_021166.1	Ca_kabuli_chr07	8764587	TT	CC	1940383192
SNP_P1_128569_8764806	NC_021166.1	Ca_kabuli_chr07	8764806	AA	GG	1940383194
SNP_P1_128570_8765341	NC_021166.1	Ca_kabuli_chr07	8765341	GG	AA	1940383196
SNP_P1_128571_8765376	NC_021166.1	Ca_kabuli_chr07	8765376	GG	TT	1940383198
SNP_P1_128572_8765509	NC_021166.1	Ca_kabuli_chr07	8765509	CC	GG	1940383199
SNP_P1_128573_8765620	NC_021166.1	Ca_kabuli_chr07	8765620	AA	TT	1940383201
SNP_P1_128574_8765757	NC_021166.1	Ca_kabuli_chr07	8765757	TT	CC	1940383203
SNP_P1_128575_8766058	NC_021166.1	Ca_kabuli_chr07	8766058	TT	CC	1940383205
SNP_P1_128576_8766230	NC_021166.1	Ca_kabuli_chr07	8766230	GG	AA	1940383206
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SNP_P1_128582_8773500	NC_021166.1	Ca_kabuli_chr07	8773500	GG	AA	1940383213
SNP_P1_128583_8773508	NC_021166.1	Ca_kabuli_chr07	8773508	TT	GG	1940383215
SNP_P1_128584_8773673	NC_021166.1	Ca_kabuli_chr07	8773673	CC	TT	1940383217
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SNP_P1_128586_8774131	NC_021166.1	Ca_kabuli_chr07	8774131	AA	GG	1940383220
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SNP_P1_128588_8775170	NC_021166.1	Ca_kabuli_chr07	8775170	AA	GG	1940383224
SNP_P1_128589_8779150	NC_021166.1	Ca_kabuli_chr07	8779150	AA	GG	1940383226
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SNP_P1_128594_8783246	NC_021166.1	Ca_kabuli_chr07	8783246	AA	GG	1940383235
SNP_P1_128595_8783416	NC_021166.1	Ca_kabuli_chr07	8783416	CC	GG	1940383236
SNP_P1_128596_8783516	NC_021166.1	Ca_kabuli_chr07	8783516	AA	CC	1940383238
SNP_P1_128597_8783695	NC_021166.1	Ca_kabuli_chr07	8783695	AA	GG	1940383240
SNP_P1_128598_8784749	NC_021166.1	Ca_kabuli_chr07	8784749	AA	GG	1940383242
SNP_P1_128599_8784753	NC_021166.1	Ca_kabuli_chr07	8784753	GG	TT	1940383243
SNP_P1_128600_8785678	NC_021166.1	Ca_kabuli_chr07	8785678	AA	GG	1940383245
SNP_P1_128601_8785950	NC_021166.1	Ca_kabuli_chr07	8785950	GG	CC	1940383247
SNP_P1_128602_8786964	NC_021166.1	Ca_kabuli_chr07	8786964	CC	TT	1940383249
SNP_P1_128603_8787015	NC_021166.1	Ca_kabuli_chr07	8787015	AA	GG	1940383250
SNP_P1_128604_8787017	NC_021166.1	Ca_kabuli_chr07	8787017	CC	GG	1940383252
SNP_P1_128605_8787279	NC_021166.1	Ca_kabuli_chr07	8787279	GG	CC	1940383254
SNP_P1_128606_8787348	NC_021166.1	Ca_kabuli_chr07	8787348	AA	TT	1940383256
SNP_P1_128607_8787435	NC_021166.1	Ca_kabuli_chr07	8787435	AA	TT	1940383257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128609_8787982	NC_021166.1	Ca_kabuli_chr07	8787982	CC	TT	1940383261
SNP_P1_128611_8788849	NC_021166.1	Ca_kabuli_chr07	8788849	TT	CC	1940383263
SNP_P1_128612_8789127	NC_021166.1	Ca_kabuli_chr07	8789127	GG	AA	1940383264
SNP_P1_128613_8789164	NC_021166.1	Ca_kabuli_chr07	8789164	TT	GG	1940383266
SNP_P1_128614_8789218	NC_021166.1	Ca_kabuli_chr07	8789218	AA	GG	1940383268
SNP_P1_128615_8789574	NC_021166.1	Ca_kabuli_chr07	8789574	GG	CC	1940383270
SNP_P1_128616_8789890	NC_021166.1	Ca_kabuli_chr07	8789890	AA	GG	1940383271
SNP_P1_128617_8791421	NC_021166.1	Ca_kabuli_chr07	8791421	TT	AA	1940383273
SNP_P1_128618_8791570	NC_021166.1	Ca_kabuli_chr07	8791570	AA	GG	1940383275
SNP_P1_128619_8791762	NC_021166.1	Ca_kabuli_chr07	8791762	GG	AA	1940383277
SNP_P1_128620_8791875	NC_021166.1	Ca_kabuli_chr07	8791875	TT	CC	1940383279
SNP_P1_128621_8792023	NC_021166.1	Ca_kabuli_chr07	8792023	TT	GG	1940383280
SNP_P1_128623_8792125	NC_021166.1	Ca_kabuli_chr07	8792125	GG	AA	1940383282
SNP_P1_128624_8792142	NC_021166.1	Ca_kabuli_chr07	8792142	AA	TT	1940383284
SNP_P1_128625_8792171	NC_021166.1	Ca_kabuli_chr07	8792171	AA	GG	1940383286
SNP_P1_128627_8792419	NC_021166.1	Ca_kabuli_chr07	8792419	CC	AA	1940383287
SNP_P1_128628_8792462	NC_021166.1	Ca_kabuli_chr07	8792462	GG	AA	1940383289
SNP_P1_128630_8792914	NC_021166.1	Ca_kabuli_chr07	8792914	AA	TT	1940383291
SNP_P1_128631_8792968	NC_021166.1	Ca_kabuli_chr07	8792968	CC	TT	1940383293
SNP_P1_128632_8793488	NC_021166.1	Ca_kabuli_chr07	8793488	TT	CC	1940383294
SNP_P1_128633_8793491	NC_021166.1	Ca_kabuli_chr07	8793491	CC	TT	1940383296
SNP_P1_128634_8793803	NC_021166.1	Ca_kabuli_chr07	8793803	AA	TT	1940383298
SNP_P1_128635_8793807	NC_021166.1	Ca_kabuli_chr07	8793807	GG	TT	1940383300
SNP_P1_128636_8793834	NC_021166.1	Ca_kabuli_chr07	8793834	TT	CC	1940383301
SNP_P1_128638_8794019	NC_021166.1	Ca_kabuli_chr07	8794019	AA	GG	1940383303
SNP_P1_128639_8794250	NC_021166.1	Ca_kabuli_chr07	8794250	TT	AA	1940383305
SNP_P1_128640_8794268	NC_021166.1	Ca_kabuli_chr07	8794268	TT	AA	1940383307
SNP_P1_128641_8796000	NC_021166.1	Ca_kabuli_chr07	8796000	GG	AA	1940383308
SNP_P1_128642_8796111	NC_021166.1	Ca_kabuli_chr07	8796111	CC	TT	1940383310
SNP_P1_128643_8796333	NC_021166.1	Ca_kabuli_chr07	8796333	TT	CC	1940383312
SNP_P1_128645_8796694	NC_021166.1	Ca_kabuli_chr07	8796694	GG	TT	1940383314
SNP_P1_128646_8796781	NC_021166.1	Ca_kabuli_chr07	8796781	GG	AA	1940383315
SNP_P1_128647_8797057	NC_021166.1	Ca_kabuli_chr07	8797057	GG	AA	1940383317
SNP_P1_128648_8797945	NC_021166.1	Ca_kabuli_chr07	8797945	GG	AA	1940383319
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SNP_P1_128650_8799299	NC_021166.1	Ca_kabuli_chr07	8799299	AA	TT	1940383322
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SNP_P1_128653_8799561	NC_021166.1	Ca_kabuli_chr07	8799561	GG	AA	1940383326
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SNP_P1_128655_8799785	NC_021166.1	Ca_kabuli_chr07	8799785	CC	TT	1940383329
SNP_P1_128658_8800128	NC_021166.1	Ca_kabuli_chr07	8800128	GG	CC	1940383331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128660_8800398	NC_021166.1	Ca_kabuli_chr07	8800398	CC	TT	1940383335
SNP_P1_128661_8800408	NC_021166.1	Ca_kabuli_chr07	8800408	CC	TT	1940383336
SNP_P1_128662_8800587	NC_021166.1	Ca_kabuli_chr07	8800587	CC	TT	1940383338
SNP_P1_128663_8800856	NC_021166.1	Ca_kabuli_chr07	8800856	GG	AA	1940383340
SNP_P1_128664_8800863	NC_021166.1	Ca_kabuli_chr07	8800863	GG	CC	1940383342
SNP_P1_128665_8800931	NC_021166.1	Ca_kabuli_chr07	8800931	CC	TT	1940383344
SNP_P1_128667_8803059	NC_021166.1	Ca_kabuli_chr07	8803059	GG	AA	1940383345
SNP_P1_128668_8803065	NC_021166.1	Ca_kabuli_chr07	8803065	GG	AA	1940383347
SNP_P1_128669_8803114	NC_021166.1	Ca_kabuli_chr07	8803114	CC	TT	1940383349
SNP_P1_128670_8803334	NC_021166.1	Ca_kabuli_chr07	8803334	AA	CC	1940383351
SNP_P1_128671_8803572	NC_021166.1	Ca_kabuli_chr07	8803572	TT	CC	1940383352
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SNP_P1_128673_8803606	NC_021166.1	Ca_kabuli_chr07	8803606	TT	CC	1940383356
SNP_P1_128674_8803620	NC_021166.1	Ca_kabuli_chr07	8803620	CC	TT	1940383358
SNP_P1_128675_8803793	NC_021166.1	Ca_kabuli_chr07	8803793	TT	CC	1940383359
SNP_P1_128677_8804836	NC_021166.1	Ca_kabuli_chr07	8804836	AA	CC	1940383361
SNP_P1_128678_8805990	NC_021166.1	Ca_kabuli_chr07	8805990	TT	GG	1940383363
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SNP_P1_128680_8807537	NC_021166.1	Ca_kabuli_chr07	8807537	CC	TT	1940383366
SNP_P1_128681_8808381	NC_021166.1	Ca_kabuli_chr07	8808381	AA	CC	1940383368
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SNP_P1_128683_8809213	NC_021166.1	Ca_kabuli_chr07	8809213	AA	TT	1940383372
SNP_P1_128684_8809265	NC_021166.1	Ca_kabuli_chr07	8809265	TT	AA	1940383373
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SNP_P1_128689_8810902	NC_021166.1	Ca_kabuli_chr07	8810902	AA	TT	1940383380
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SNP_P1_128691_8810954	NC_021166.1	Ca_kabuli_chr07	8810954	AA	TT	1940383384
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SNP_P1_128693_8811354	NC_021166.1	Ca_kabuli_chr07	8811354	CC	AA	1940383387
SNP_P1_128694_8811370	NC_021166.1	Ca_kabuli_chr07	8811370	CC	TT	1940383389
SNP_P1_128695_8811373	NC_021166.1	Ca_kabuli_chr07	8811373	TT	GG	1940383391
SNP_P1_128696_8811606	NC_021166.1	Ca_kabuli_chr07	8811606	TT	CC	1940383393
SNP_P1_128698_8811846	NC_021166.1	Ca_kabuli_chr07	8811846	CC	AA	1940383395
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SNP_P1_128700_8812852	NC_021166.1	Ca_kabuli_chr07	8812852	TT	AA	1940383398
SNP_P1_128701_8812902	NC_021166.1	Ca_kabuli_chr07	8812902	GG	TT	1940383400
SNP_P1_128702_8812904	NC_021166.1	Ca_kabuli_chr07	8812904	GG	CC	1940383402
SNP_P1_128703_8813957	NC_021166.1	Ca_kabuli_chr07	8813957	GG	AA	1940383403
SNP_P1_128704_8814442	NC_021166.1	Ca_kabuli_chr07	8814442	AA	TT	1940383405

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128708_8818420	NC_021166.1	Ca_kabuli_chr07	8818420	AA	GG	1940383410
SNP_P1_128709_8818430	NC_021166.1	Ca_kabuli_chr07	8818430	TT	CC	1940383412
SNP_P1_128711_8819303	NC_021166.1	Ca_kabuli_chr07	8819303	CC	TT	1940383414
SNP_P1_128712_8820131	NC_021166.1	Ca_kabuli_chr07	8820131	TT	CC	1940383416
SNP_P1_128714_8821221	NC_021166.1	Ca_kabuli_chr07	8821221	TT	CC	1940383417
SNP_P1_128715_8822178	NC_021166.1	Ca_kabuli_chr07	8822178	TT	AA	1940383419
SNP_P1_128716_8823828	NC_021166.1	Ca_kabuli_chr07	8823828	CC	TT	1940383421
SNP_P1_128717_8824278	NC_021166.1	Ca_kabuli_chr07	8824278	CC	TT	1940383423
SNP_P1_128718_8825607	NC_021166.1	Ca_kabuli_chr07	8825607	AA	CC	1940383424
SNP_P1_128719_8825732	NC_021166.1	Ca_kabuli_chr07	8825732	AA	GG	1940383426
SNP_P1_128721_8826158	NC_021166.1	Ca_kabuli_chr07	8826158	AA	GG	1940383428
SNP_P1_128722_8826960	NC_021166.1	Ca_kabuli_chr07	8826960	TT	AA	1940383430
SNP_P1_128723_8826970	NC_021166.1	Ca_kabuli_chr07	8826970	GG	AA	1940383431
SNP_P1_128724_8827031	NC_021166.1	Ca_kabuli_chr07	8827031	TT	GG	1940383433
SNP_P1_128725_8827032	NC_021166.1	Ca_kabuli_chr07	8827032	GG	AA	1940383435
SNP_P1_128726_8827162	NC_021166.1	Ca_kabuli_chr07	8827162	AA	GG	1940383437
SNP_P1_128727_8827203	NC_021166.1	Ca_kabuli_chr07	8827203	GG	AA	1940383438
SNP_P1_128728_8827224	NC_021166.1	Ca_kabuli_chr07	8827224	CC	TT	1940383440
SNP_P1_128729_8828069	NC_021166.1	Ca_kabuli_chr07	8828069	GG	AA	1940383442
SNP_P1_128730_8828092	NC_021166.1	Ca_kabuli_chr07	8828092	GG	TT	1940383444
SNP_P1_128732_8829958	NC_021166.1	Ca_kabuli_chr07	8829958	GG	AA	1940383446
SNP_P1_128733_8830154	NC_021166.1	Ca_kabuli_chr07	8830154	AA	GG	1940383447
SNP_P1_128734_8830793	NC_021166.1	Ca_kabuli_chr07	8830793	GG	TT	1940383449
SNP_P1_128735_8831096	NC_021166.1	Ca_kabuli_chr07	8831096	GG	AA	1940383451
SNP_P1_128736_8832477	NC_021166.1	Ca_kabuli_chr07	8832477	TT	CC	1940383453
SNP_P1_128737_8832899	NC_021166.1	Ca_kabuli_chr07	8832899	AA	GG	1940383454
SNP_P1_128738_8832916	NC_021166.1	Ca_kabuli_chr07	8832916	TT	GG	1940383456
SNP_P1_128739_8833507	NC_021166.1	Ca_kabuli_chr07	8833507	GG	AA	1940383458
SNP_P1_128740_8833514	NC_021166.1	Ca_kabuli_chr07	8833514	CC	TT	1940383460
SNP_P1_128741_8833801	NC_021166.1	Ca_kabuli_chr07	8833801	GG	TT	1940383461
SNP_P1_128742_8833809	NC_021166.1	Ca_kabuli_chr07	8833809	AA	CC	1940383463
SNP_P1_128743_8833813	NC_021166.1	Ca_kabuli_chr07	8833813	AA	CC	1940383465
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SNP_P1_128747_8834336	NC_021166.1	Ca_kabuli_chr07	8834336	AA	GG	1940383472
SNP_P1_128748_8834352	NC_021166.1	Ca_kabuli_chr07	8834352	AA	TT	1940383474
SNP_P1_128749_8834357	NC_021166.1	Ca_kabuli_chr07	8834357	AA	TT	1940383475
SNP_P1_128750_8834368	NC_021166.1	Ca_kabuli_chr07	8834368	AA	GG	1940383477
SNP_P1_128751_8834402	NC_021166.1	Ca_kabuli_chr07	8834402	AA	GG	1940383479

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128754_8834872	NC_021166.1	Ca_kabuli_chr07	8834872	TT	CC	1940383484
SNP_P1_128756_8835029	NC_021166.1	Ca_kabuli_chr07	8835029	CC	TT	1940383486
SNP_P1_128757_8835046	NC_021166.1	Ca_kabuli_chr07	8835046	GG	AA	1940383488
SNP_P1_128758_8835053	NC_021166.1	Ca_kabuli_chr07	8835053	GG	CC	1940383490
SNP_P1_128759_8835074	NC_021166.1	Ca_kabuli_chr07	8835074	AA	GG	1940383491
SNP_P1_128760_8835783	NC_021166.1	Ca_kabuli_chr07	8835783	CC	TT	1940383493
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SNP_P1_128765_8840561	NC_021166.1	Ca_kabuli_chr07	8840561	AA	GG	1940383498
SNP_P1_128766_8840585	NC_021166.1	Ca_kabuli_chr07	8840585	TT	CC	1940383500
SNP_P1_128767_8840593	NC_021166.1	Ca_kabuli_chr07	8840593	TT	CC	1940383502
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SNP_P1_128778_8842830	NC_021166.1	Ca_kabuli_chr07	8842830	GG	AA	1940383518
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SNP_P1_128781_8842931	NC_021166.1	Ca_kabuli_chr07	8842931	AA	GG	1940383523
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SNP_P1_128786_8844374	NC_021166.1	Ca_kabuli_chr07	8844374	GG	AA	1940383530
SNP_P1_128787_8844576	NC_021166.1	Ca_kabuli_chr07	8844576	TT	CC	1940383532
SNP_P1_128788_8844611	NC_021166.1	Ca_kabuli_chr07	8844611	AA	CC	1940383533
SNP_P1_128789_8845567	NC_021166.1	Ca_kabuli_chr07	8845567	TT	CC	1940383535
SNP_P1_128790_8846940	NC_021166.1	Ca_kabuli_chr07	8846940	CC	AA	1940383537
SNP_P1_128791_8847603	NC_021166.1	Ca_kabuli_chr07	8847603	GG	AA	1940383539
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SNP_P1_128793_8850087	NC_021166.1	Ca_kabuli_chr07	8850087	AA	GG	1940383542
SNP_P1_128794_8851742	NC_021166.1	Ca_kabuli_chr07	8851742	GG	AA	1940383544
SNP_P1_128795_8852848	NC_021166.1	Ca_kabuli_chr07	8852848	CC	GG	1940383546
SNP_P1_128796_8853158	NC_021166.1	Ca_kabuli_chr07	8853158	TT	GG	1940383548
SNP_P1_128798_8856100	NC_021166.1	Ca_kabuli_chr07	8856100	AA	GG	1940383549
SNP_P1_128799_8856109	NC_021166.1	Ca_kabuli_chr07	8856109	CC	GG	1940383551
SNP_P1_128800_8856403	NC_021166.1	Ca_kabuli_chr07	8856403	TT	CC	1940383553

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128804_8856814	NC_021166.1	Ca_kabuli_chr07	8856814	GG	TT	1940383558
SNP_P1_128805_8856866	NC_021166.1	Ca_kabuli_chr07	8856866	TT	CC	1940383560
SNP_P1_128806_8857586	NC_021166.1	Ca_kabuli_chr07	8857586	AA	GG	1940383562
SNP_P1_128807_8857621	NC_021166.1	Ca_kabuli_chr07	8857621	AA	TT	1940383563
SNP_P1_128808_8857623	NC_021166.1	Ca_kabuli_chr07	8857623	TT	CC	1940383565
SNP_P1_128809_8858188	NC_021166.1	Ca_kabuli_chr07	8858188	TT	AA	1940383567
SNP_P1_128810_8858225	NC_021166.1	Ca_kabuli_chr07	8858225	TT	CC	1940383569
SNP_P1_128811_8858233	NC_021166.1	Ca_kabuli_chr07	8858233	CC	TT	1940383571
SNP_P1_128812_8858246	NC_021166.1	Ca_kabuli_chr07	8858246	GG	AA	1940383572
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SNP_P1_128818_8859308	NC_021166.1	Ca_kabuli_chr07	8859308	TT	AA	1940383581
SNP_P1_128819_8859482	NC_021166.1	Ca_kabuli_chr07	8859482	CC	TT	1940383583
SNP_P1_128820_8859916	NC_021166.1	Ca_kabuli_chr07	8859916	CC	TT	1940383585
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SNP_P1_128825_8860208	NC_021166.1	Ca_kabuli_chr07	8860208	CC	TT	1940383593
SNP_P1_128826_8860960	NC_021166.1	Ca_kabuli_chr07	8860960	CC	TT	1940383595
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SNP_P1_128830_8861563	NC_021166.1	Ca_kabuli_chr07	8861563	GG	TT	1940383602
SNP_P1_128831_8861879	NC_021166.1	Ca_kabuli_chr07	8861879	TT	AA	1940383604
SNP_P1_128832_8861880	NC_021166.1	Ca_kabuli_chr07	8861880	AA	CC	1940383606
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SNP_P1_128835_8863262	NC_021166.1	Ca_kabuli_chr07	8863262	CC	TT	1940383609
SNP_P1_128836_8863266	NC_021166.1	Ca_kabuli_chr07	8863266	CC	TT	1940383611
SNP_P1_128837_8863669	NC_021166.1	Ca_kabuli_chr07	8863669	AA	GG	1940383613
SNP_P1_128838_8863852	NC_021166.1	Ca_kabuli_chr07	8863852	TT	CC	1940383615
SNP_P1_128839_8864025	NC_021166.1	Ca_kabuli_chr07	8864025	GG	AA	1940383616
SNP_P1_128840_8865603	NC_021166.1	Ca_kabuli_chr07	8865603	CC	AA	1940383618
SNP_P1_128841_8866038	NC_021166.1	Ca_kabuli_chr07	8866038	GG	TT	1940383620
SNP_P1_128842_8867179	NC_021166.1	Ca_kabuli_chr07	8867179	TT	CC	1940383622
SNP_P1_128843_8867180	NC_021166.1	Ca_kabuli_chr07	8867180	AA	GG	1940383623
SNP_P1_128844_8869244	NC_021166.1	Ca_kabuli_chr07	8869244	AA	TT	1940383625
SNP_P1_128845_8873908	NC_021166.1	Ca_kabuli_chr07	8873908	GG	AA	1940383627

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128849_8875388	NC_021166.1	Ca_kabuli_chr07	8875388	TT	CC	1940383632
SNP_P1_128850_8875430	NC_021166.1	Ca_kabuli_chr07	8875430	TT	AA	1940383634
SNP_P1_128851_8875439	NC_021166.1	Ca_kabuli_chr07	8875439	AA	CC	1940383636
SNP_P1_128852_8875445	NC_021166.1	Ca_kabuli_chr07	8875445	CC	TT	1940383638
SNP_P1_128853_8875790	NC_021166.1	Ca_kabuli_chr07	8875790	CC	TT	1940383639
SNP_P1_128854_8875794	NC_021166.1	Ca_kabuli_chr07	8875794	TT	CC	1940383641
SNP_P1_128855_8875798	NC_021166.1	Ca_kabuli_chr07	8875798	CC	TT	1940383643
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SNP_P1_128859_8878662	NC_021166.1	Ca_kabuli_chr07	8878662	GG	TT	1940383650
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SNP_P1_128861_8878941	NC_021166.1	Ca_kabuli_chr07	8878941	CC	GG	1940383653
SNP_P1_128862_8878982	NC_021166.1	Ca_kabuli_chr07	8878982	AA	GG	1940383655
SNP_P1_128863_8879006	NC_021166.1	Ca_kabuli_chr07	8879006	TT	CC	1940383657
SNP_P1_128864_8879391	NC_021166.1	Ca_kabuli_chr07	8879391	TT	GG	1940383659
SNP_P1_128865_8879712	NC_021166.1	Ca_kabuli_chr07	8879712	CC	TT	1940383660
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SNP_P1_128870_8883899	NC_021166.1	Ca_kabuli_chr07	8883899	AA	GG	1940383667
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SNP_P1_128872_8884106	NC_021166.1	Ca_kabuli_chr07	8884106	CC	TT	1940383671
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SNP_P1_128877_8884356	NC_021166.1	Ca_kabuli_chr07	8884356	TT	AA	1940383680
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SNP_P1_128885_8885755	NC_021166.1	Ca_kabuli_chr07	8885755	CC	GG	1940383688
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SNP_P1_128892_8887343	NC_021166.1	Ca_kabuli_chr07	8887343	CC	TT	1940383699
SNP_P1_128893_8887545	NC_021166.1	Ca_kabuli_chr07	8887545	CC	TT	1940383701

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128897_8889091	NC_021166.1	Ca_kabuli_chr07	8889091	TT	AA	1940383708
SNP_P1_128900_8889404	NC_021166.1	Ca_kabuli_chr07	8889404	CC	TT	1940383710
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SNP_P1_128910_8896846	NC_021166.1	Ca_kabuli_chr07	8896846	CC	AA	1940383724
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SNP_P1_128913_8898475	NC_021166.1	Ca_kabuli_chr07	8898475	AA	CC	1940383729
SNP_P1_128915_8898832	NC_021166.1	Ca_kabuli_chr07	8898832	AA	GG	1940383731
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SNP_P1_128922_8902388	NC_021166.1	Ca_kabuli_chr07	8902388	AA	TT	1940383741
SNP_P1_128923_8903250	NC_021166.1	Ca_kabuli_chr07	8903250	AA	GG	1940383743
SNP_P1_128924_8903534	NC_021166.1	Ca_kabuli_chr07	8903534	TT	GG	1940383745
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SNP_P1_128932_8906459	NC_021166.1	Ca_kabuli_chr07	8906459	AA	GG	1940383755
SNP_P1_128933_8906463	NC_021166.1	Ca_kabuli_chr07	8906463	CC	AA	1940383757
SNP_P1_128934_8907330	NC_021166.1	Ca_kabuli_chr07	8907330	GG	CC	1940383759
SNP_P1_128935_8907593	NC_021166.1	Ca_kabuli_chr07	8907593	GG	AA	1940383761
SNP_P1_128936_8907658	NC_021166.1	Ca_kabuli_chr07	8907658	CC	TT	1940383762
SNP_P1_128937_8907718	NC_021166.1	Ca_kabuli_chr07	8907718	AA	GG	1940383764
SNP_P1_128938_8907813	NC_021166.1	Ca_kabuli_chr07	8907813	AA	GG	1940383766
SNP_P1_128940_8907967	NC_021166.1	Ca_kabuli_chr07	8907967	GG	AA	1940383767
SNP_P1_128941_8907996	NC_021166.1	Ca_kabuli_chr07	8907996	AA	CC	1940383769
SNP_P1_128942_8908007	NC_021166.1	Ca_kabuli_chr07	8908007	CC	GG	1940383771
SNP_P1_128943_8908034	NC_021166.1	Ca_kabuli_chr07	8908034	TT	CC	1940383773
SNP_P1_128944_8908321	NC_021166.1	Ca_kabuli_chr07	8908321	CC	AA	1940383775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_128946_8908725	NC_021166.1	Ca_kabuli_chr07	8908725	AA	TT	1940383776
SNP_P1_128948_8910052	NC_021166.1	Ca_kabuli_chr07	8910052	TT	AA	1940383778
SNP_P1_128949_8910159	NC_021166.1	Ca_kabuli_chr07	8910159	GG	AA	1940383780
SNP_P1_128950_8911829	NC_021166.1	Ca_kabuli_chr07	8911829	GG	AA	1940383782
SNP_P1_128951_8912147	NC_021166.1	Ca_kabuli_chr07	8912147	TT	GG	1940383783
SNP_P1_128952_8912996	NC_021166.1	Ca_kabuli_chr07	8912996	CC	TT	1940383785
SNP_P1_128953_8913092	NC_021166.1	Ca_kabuli_chr07	8913092	CC	GG	1940383787
SNP_P1_128954_8917534	NC_021166.1	Ca_kabuli_chr07	8917534	TT	GG	1940383789
SNP_P1_128955_8919618	NC_021166.1	Ca_kabuli_chr07	8919618	AA	CC	1940383790
SNP_P1_128957_8920448	NC_021166.1	Ca_kabuli_chr07	8920448	AA	GG	1940383792
SNP_P1_128958_8920677	NC_021166.1	Ca_kabuli_chr07	8920677	CC	TT	1940383794
SNP_P1_128960_8922018	NC_021166.1	Ca_kabuli_chr07	8922018	TT	GG	1940383796
SNP_P1_128961_8922198	NC_021166.1	Ca_kabuli_chr07	8922198	AA	GG	1940383797
SNP_P1_128963_8922316	NC_021166.1	Ca_kabuli_chr07	8922316	AA	TT	1940383799
SNP_P1_128965_8922479	NC_021166.1	Ca_kabuli_chr07	8922479	AA	TT	1940383801
SNP_P1_128966_8922630	NC_021166.1	Ca_kabuli_chr07	8922630	CC	TT	1940383803
SNP_P1_128967_8922828	NC_021166.1	Ca_kabuli_chr07	8922828	AA	TT	1940383804
SNP_P1_128968_8925861	NC_021166.1	Ca_kabuli_chr07	8925861	CC	TT	1940383806
SNP_P1_128969_8926058	NC_021166.1	Ca_kabuli_chr07	8926058	AA	GG	1940383808
SNP_P1_128970_8926090	NC_021166.1	Ca_kabuli_chr07	8926090	GG	AA	1940383810
SNP_P1_128971_8926182	NC_021166.1	Ca_kabuli_chr07	8926182	GG	CC	1940383811
SNP_P1_128972_8926883	NC_021166.1	Ca_kabuli_chr07	8926883	TT	CC	1940383813
SNP_P1_128973_8927668	NC_021166.1	Ca_kabuli_chr07	8927668	CC	AA	1940383815
SNP_P1_128974_8927752	NC_021166.1	Ca_kabuli_chr07	8927752	GG	AA	1940383817
SNP_P1_128975_8927773	NC_021166.1	Ca_kabuli_chr07	8927773	TT	AA	1940383818
SNP_P1_128976_8927848	NC_021166.1	Ca_kabuli_chr07	8927848	TT	CC	1940383820
SNP_P1_128977_8927912	NC_021166.1	Ca_kabuli_chr07	8927912	AA	GG	1940383822
SNP_P1_128978_8927951	NC_021166.1	Ca_kabuli_chr07	8927951	GG	AA	1940383824
SNP_P1_128979_8927986	NC_021166.1	Ca_kabuli_chr07	8927986	GG	TT	1940383825
SNP_P1_128981_8928148	NC_021166.1	Ca_kabuli_chr07	8928148	CC	TT	1940383827
SNP_P1_128982_8928278	NC_021166.1	Ca_kabuli_chr07	8928278	GG	AA	1940383829
SNP_P1_128983_8929534	NC_021166.1	Ca_kabuli_chr07	8929534	GG	TT	1940383831
SNP_P1_128984_8930761	NC_021166.1	Ca_kabuli_chr07	8930761	TT	CC	1940383832
SNP_P1_128985_8931449	NC_021166.1	Ca_kabuli_chr07	8931449	TT	CC	1940383834
SNP_P1_128986_8931454	NC_021166.1	Ca_kabuli_chr07	8931454	TT	CC	1940383836
SNP_P1_128987_8931723	NC_021166.1	Ca_kabuli_chr07	8931723	GG	AA	1940383838
SNP_P1_128988_8931776	NC_021166.1	Ca_kabuli_chr07	8931776	TT	CC	1940383839
SNP_P1_128989_8931993	NC_021166.1	Ca_kabuli_chr07	8931993	TT	CC	1940383841
SNP_P1_128990_8932225	NC_021166.1	Ca_kabuli_chr07	8932225	TT	AA	1940383843
SNP_P1_128991_8932326	NC_021166.1	Ca_kabuli_chr07	8932326	AA	CC	1940383845
SNP_P1_128992_8932695	NC_021166.1	Ca_kabuli_chr07	8932695	GG	TT	1940383846
SNP_P1_128993_8932706	NC_021166.1	Ca_kabuli_chr07	8932706	TT	AA	1940383848

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_128995_8935792	NC_021166.1	Ca_kabuli_chr07	8935792	CC	TT	1940383852
SNP_P1_128996_8940363	NC_021166.1	Ca_kabuli_chr07	8940363	AA	CC	1940383854
SNP_P1_128997_8941124	NC_021166.1	Ca_kabuli_chr07	8941124	CC	TT	1940383855
SNP_P1_128998_8941211	NC_021166.1	Ca_kabuli_chr07	8941211	AA	TT	1940383857
SNP_P1_128999_8942023	NC_021166.1	Ca_kabuli_chr07	8942023	TT	CC	1940383859
SNP_P1_129000_8942319	NC_021166.1	Ca_kabuli_chr07	8942319	AA	CC	1940383861
SNP_P1_129001_8942326	NC_021166.1	Ca_kabuli_chr07	8942326	AA	TT	1940383862
SNP_P1_129003_8943148	NC_021166.1	Ca_kabuli_chr07	8943148	AA	TT	1940383864
SNP_P1_129005_8943570	NC_021166.1	Ca_kabuli_chr07	8943570	GG	AA	1940383866
SNP_P1_129006_8944305	NC_021166.1	Ca_kabuli_chr07	8944305	TT	GG	1940383868
SNP_P1_129007_8944823	NC_021166.1	Ca_kabuli_chr07	8944823	AA	GG	1940383869
SNP_P1_129008_8944921	NC_021166.1	Ca_kabuli_chr07	8944921	AA	TT	1940383871
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SNP_P1_129010_8946265	NC_021166.1	Ca_kabuli_chr07	8946265	CC	TT	1940383875
SNP_P1_129011_8948666	NC_021166.1	Ca_kabuli_chr07	8948666	CC	TT	1940383876
SNP_P1_129013_8949327	NC_021166.1	Ca_kabuli_chr07	8949327	TT	GG	1940383878
SNP_P1_129014_8950744	NC_021166.1	Ca_kabuli_chr07	8950744	TT	CC	1940383880
SNP_P1_129015_8950914	NC_021166.1	Ca_kabuli_chr07	8950914	AA	TT	1940383882
SNP_P1_129016_8951077	NC_021166.1	Ca_kabuli_chr07	8951077	CC	TT	1940383884
SNP_P1_129017_8951428	NC_021166.1	Ca_kabuli_chr07	8951428	TT	CC	1940383885
SNP_P1_129018_8952839	NC_021166.1	Ca_kabuli_chr07	8952839	AA	CC	1940383887
SNP_P1_129019_8952886	NC_021166.1	Ca_kabuli_chr07	8952886	TT	CC	1940383889
SNP_P1_129020_8952984	NC_021166.1	Ca_kabuli_chr07	8952984	GG	TT	1940383891
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SNP_P1_129022_8954373	NC_021166.1	Ca_kabuli_chr07	8954373	AA	GG	1940383894
SNP_P1_129023_8955836	NC_021166.1	Ca_kabuli_chr07	8955836	AA	CC	1940383896
SNP_P1_129025_8956553	NC_021166.1	Ca_kabuli_chr07	8956553	TT	AA	1940383898
SNP_P1_129026_8956776	NC_021166.1	Ca_kabuli_chr07	8956776	GG	AA	1940383899
SNP_P1_129027_8956880	NC_021166.1	Ca_kabuli_chr07	8956880	GG	CC	1940383901
SNP_P1_129028_8957126	NC_021166.1	Ca_kabuli_chr07	8957126	TT	AA	1940383903
SNP_P1_129029_8957208	NC_021166.1	Ca_kabuli_chr07	8957208	AA	GG	1940383905
SNP_P1_129031_8963767	NC_021166.1	Ca_kabuli_chr07	8963767	TT	AA	1940383906
SNP_P1_129032_8963836	NC_021166.1	Ca_kabuli_chr07	8963836	AA	TT	1940383908
SNP_P1_129033_8963840	NC_021166.1	Ca_kabuli_chr07	8963840	TT	AA	1940383910
SNP_P1_129034_8963931	NC_021166.1	Ca_kabuli_chr07	8963931	CC	TT	1940383912
SNP_P1_129035_8964365	NC_021166.1	Ca_kabuli_chr07	8964365	AA	GG	1940383913
SNP_P1_129036_8964395	NC_021166.1	Ca_kabuli_chr07	8964395	GG	AA	1940383915
SNP_P1_129037_8964401	NC_021166.1	Ca_kabuli_chr07	8964401	CC	GG	1940383917
SNP_P1_129039_8965679	NC_021166.1	Ca_kabuli_chr07	8965679	AA	GG	1940383919
SNP_P1_129040_8965704	NC_021166.1	Ca_kabuli_chr07	8965704	TT	CC	1940383920
SNP_P1_129041_8965756	NC_021166.1	Ca_kabuli_chr07	8965756	TT	CC	1940383922

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129043_8965956	NC_021166.1	Ca_kabuli_chr07	8965956	AA	TT	1940383926
SNP_P1_129044_8965988	NC_021166.1	Ca_kabuli_chr07	8965988	GG	AA	1940383927
SNP_P1_129045_8966005	NC_021166.1	Ca_kabuli_chr07	8966005	AA	CC	1940383929
SNP_P1_129046_8966017	NC_021166.1	Ca_kabuli_chr07	8966017	TT	CC	1940383931
SNP_P1_129047_8966125	NC_021166.1	Ca_kabuli_chr07	8966125	TT	CC	1940383933
SNP_P1_129048_8966836	NC_021166.1	Ca_kabuli_chr07	8966836	CC	GG	1940383935
SNP_P1_129050_8967635	NC_021166.1	Ca_kabuli_chr07	8967635	TT	CC	1940383936
SNP_P1_129051_8967967	NC_021166.1	Ca_kabuli_chr07	8967967	TT	CC	1940383938
SNP_P1_129052_8968019	NC_021166.1	Ca_kabuli_chr07	8968019	AA	GG	1940383940
SNP_P1_129053_8968031	NC_021166.1	Ca_kabuli_chr07	8968031	AA	GG	1940383942
SNP_P1_129054_8968081	NC_021166.1	Ca_kabuli_chr07	8968081	TT	CC	1940383943
SNP_P1_129055_8968112	NC_021166.1	Ca_kabuli_chr07	8968112	AA	GG	1940383945
SNP_P1_129056_8968140	NC_021166.1	Ca_kabuli_chr07	8968140	GG	TT	1940383947
SNP_P1_129057_8968209	NC_021166.1	Ca_kabuli_chr07	8968209	GG	AA	1940383949
SNP_P1_129058_8968214	NC_021166.1	Ca_kabuli_chr07	8968214	TT	AA	1940383950
SNP_P1_129059_8968361	NC_021166.1	Ca_kabuli_chr07	8968361	TT	CC	1940383952
SNP_P1_129060_8968400	NC_021166.1	Ca_kabuli_chr07	8968400	TT	CC	1940383954
SNP_P1_129061_8968421	NC_021166.1	Ca_kabuli_chr07	8968421	CC	TT	1940383956
SNP_P1_129062_8968970	NC_021166.1	Ca_kabuli_chr07	8968970	AA	TT	1940383958
SNP_P1_129063_8969480	NC_021166.1	Ca_kabuli_chr07	8969480	GG	CC	1940383959
SNP_P1_129064_8969506	NC_021166.1	Ca_kabuli_chr07	8969506	TT	CC	1940383961
SNP_P1_129065_8969509	NC_021166.1	Ca_kabuli_chr07	8969509	CC	TT	1940383963
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SNP_P1_129067_8970707	NC_021166.1	Ca_kabuli_chr07	8970707	GG	AA	1940383966
SNP_P1_129069_8970974	NC_021166.1	Ca_kabuli_chr07	8970974	AA	GG	1940383968
SNP_P1_129070_8971301	NC_021166.1	Ca_kabuli_chr07	8971301	TT	AA	1940383970
SNP_P1_129073_8973166	NC_021166.1	Ca_kabuli_chr07	8973166	TT	AA	1940383972
SNP_P1_129074_8974713	NC_021166.1	Ca_kabuli_chr07	8974713	CC	GG	1940383973
SNP_P1_129075_8974766	NC_021166.1	Ca_kabuli_chr07	8974766	CC	TT	1940383975
SNP_P1_129076_8974791	NC_021166.1	Ca_kabuli_chr07	8974791	GG	AA	1940383977
SNP_P1_129077_8974822	NC_021166.1	Ca_kabuli_chr07	8974822	AA	TT	1940383979
SNP_P1_129078_8974824	NC_021166.1	Ca_kabuli_chr07	8974824	TT	CC	1940383980
SNP_P1_129079_8974860	NC_021166.1	Ca_kabuli_chr07	8974860	AA	GG	1940383982
SNP_P1_129081_8975073	NC_021166.1	Ca_kabuli_chr07	8975073	CC	TT	1940383984
SNP_P1_129082_8975098	NC_021166.1	Ca_kabuli_chr07	8975098	GG	AA	1940383986
SNP_P1_129083_8975119	NC_021166.1	Ca_kabuli_chr07	8975119	CC	GG	1940383987
SNP_P1_129084_8975253	NC_021166.1	Ca_kabuli_chr07	8975253	AA	GG	1940383989
SNP_P1_129085_8975302	NC_021166.1	Ca_kabuli_chr07	8975302	GG	CC	1940383991
SNP_P1_129086_8975409	NC_021166.1	Ca_kabuli_chr07	8975409	TT	GG	1940383993
SNP_P1_129088_8975459	NC_021166.1	Ca_kabuli_chr07	8975459	CC	GG	1940383994
SNP_P1_129089_8975828	NC_021166.1	Ca_kabuli_chr07	8975828	AA	TT	1940383996

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129091_8975888	NC_021166.1	Ca_kabuli_chr07	8975888	AA	TT	1940384000
SNP_P1_129092_8976484	NC_021166.1	Ca_kabuli_chr07	8976484	AA	GG	1940384001
SNP_P1_129093_8978728	NC_021166.1	Ca_kabuli_chr07	8978728	TT	CC	1940384003
SNP_P1_129094_8979523	NC_021166.1	Ca_kabuli_chr07	8979523	GG	AA	1940384005
SNP_P1_129095_8979544	NC_021166.1	Ca_kabuli_chr07	8979544	GG	TT	1940384007
SNP_P1_129096_8979552	NC_021166.1	Ca_kabuli_chr07	8979552	TT	AA	1940384008
SNP_P1_129097_8980911	NC_021166.1	Ca_kabuli_chr07	8980911	CC	TT	1940384010
SNP_P1_129098_8981135	NC_021166.1	Ca_kabuli_chr07	8981135	TT	CC	1940384012
SNP_P1_129099_8981166	NC_021166.1	Ca_kabuli_chr07	8981166	TT	CC	1940384014
SNP_P1_129100_8981175	NC_021166.1	Ca_kabuli_chr07	8981175	GG	AA	1940384016
SNP_P1_129101_8981184	NC_021166.1	Ca_kabuli_chr07	8981184	CC	TT	1940384017
SNP_P1_129102_8981208	NC_021166.1	Ca_kabuli_chr07	8981208	AA	GG	1940384019
SNP_P1_129103_8981396	NC_021166.1	Ca_kabuli_chr07	8981396	CC	GG	1940384021
SNP_P1_129104_8981454	NC_021166.1	Ca_kabuli_chr07	8981454	CC	TT	1940384023
SNP_P1_129105_8981487	NC_021166.1	Ca_kabuli_chr07	8981487	TT	CC	1940384024
SNP_P1_129107_8981697	NC_021166.1	Ca_kabuli_chr07	8981697	TT	AA	1940384026
SNP_P1_129108_8983513	NC_021166.1	Ca_kabuli_chr07	8983513	GG	TT	1940384028
SNP_P1_129109_8983843	NC_021166.1	Ca_kabuli_chr07	8983843	AA	GG	1940384030
SNP_P1_129110_8983859	NC_021166.1	Ca_kabuli_chr07	8983859	TT	CC	1940384031
SNP_P1_129111_8984151	NC_021166.1	Ca_kabuli_chr07	8984151	TT	CC	1940384033
SNP_P1_129112_8984263	NC_021166.1	Ca_kabuli_chr07	8984263	GG	TT	1940384035
SNP_P1_129113_8984273	NC_021166.1	Ca_kabuli_chr07	8984273	AA	TT	1940384037
SNP_P1_129114_8984885	NC_021166.1	Ca_kabuli_chr07	8984885	TT	CC	1940384038
SNP_P1_129115_8985213	NC_021166.1	Ca_kabuli_chr07	8985213	TT	CC	1940384040
SNP_P1_129116_8985683	NC_021166.1	Ca_kabuli_chr07	8985683	TT	CC	1940384042
SNP_P1_129117_8985686	NC_021166.1	Ca_kabuli_chr07	8985686	GG	TT	1940384044
SNP_P1_129118_8985702	NC_021166.1	Ca_kabuli_chr07	8985702	CC	TT	1940384045
SNP_P1_129119_8986114	NC_021166.1	Ca_kabuli_chr07	8986114	TT	CC	1940384047
SNP_P1_129120_8986146	NC_021166.1	Ca_kabuli_chr07	8986146	GG	AA	1940384049
SNP_P1_129121_8986181	NC_021166.1	Ca_kabuli_chr07	8986181	TT	AA	1940384051
SNP_P1_129122_8986185	NC_021166.1	Ca_kabuli_chr07	8986185	TT	CC	1940384053
SNP_P1_129123_8986655	NC_021166.1	Ca_kabuli_chr07	8986655	GG	AA	1940384054
SNP_P1_129124_8986658	NC_021166.1	Ca_kabuli_chr07	8986658	GG	AA	1940384056
SNP_P1_129125_8986693	NC_021166.1	Ca_kabuli_chr07	8986693	CC	GG	1940384058
SNP_P1_129126_8988094	NC_021166.1	Ca_kabuli_chr07	8988094	CC	GG	1940384060
SNP_P1_129127_8988134	NC_021166.1	Ca_kabuli_chr07	8988134	AA	GG	1940384061
SNP_P1_129128_8988137	NC_021166.1	Ca_kabuli_chr07	8988137	TT	CC	1940384063
SNP_P1_129129_8988173	NC_021166.1	Ca_kabuli_chr07	8988173	AA	GG	1940384065
SNP_P1_129130_8988550	NC_021166.1	Ca_kabuli_chr07	8988550	TT	CC	1940384067
SNP_P1_129131_8989886	NC_021166.1	Ca_kabuli_chr07	8989886	TT	AA	1940384068
SNP_P1_129132_8989887	NC_021166.1	Ca_kabuli_chr07	8989887	TT	AA	1940384070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129134_8989900	NC_021166.1	Ca_kabuli_chr07	8989900	AA	GG	1940384074
SNP_P1_129135_8989909	NC_021166.1	Ca_kabuli_chr07	8989909	TT	GG	1940384075
SNP_P1_129136_8989943	NC_021166.1	Ca_kabuli_chr07	8989943	TT	CC	1940384077
SNP_P1_129137_8990104	NC_021166.1	Ca_kabuli_chr07	8990104	GG	AA	1940384079
SNP_P1_129138_8990596	NC_021166.1	Ca_kabuli_chr07	8990596	AA	TT	1940384081
SNP_P1_129139_8990624	NC_021166.1	Ca_kabuli_chr07	8990624	GG	AA	1940384082
SNP_P1_129140_8991081	NC_021166.1	Ca_kabuli_chr07	8991081	TT	CC	1940384084
SNP_P1_129141_8991234	NC_021166.1	Ca_kabuli_chr07	8991234	TT	GG	1940384086
SNP_P1_129142_8992044	NC_021166.1	Ca_kabuli_chr07	8992044	CC	TT	1940384088
SNP_P1_129143_8992046	NC_021166.1	Ca_kabuli_chr07	8992046	TT	CC	1940384089
SNP_P1_129144_8992048	NC_021166.1	Ca_kabuli_chr07	8992048	GG	TT	1940384091
SNP_P1_129145_8992520	NC_021166.1	Ca_kabuli_chr07	8992520	CC	AA	1940384093
SNP_P1_129146_8992521	NC_021166.1	Ca_kabuli_chr07	8992521	TT	CC	1940384095
SNP_P1_129147_8992812	NC_021166.1	Ca_kabuli_chr07	8992812	AA	TT	1940384097
SNP_P1_129148_8994052	NC_021166.1	Ca_kabuli_chr07	8994052	TT	CC	1940384098
SNP_P1_129149_8994256	NC_021166.1	Ca_kabuli_chr07	8994256	CC	TT	1940384100
SNP_P1_129150_8994333	NC_021166.1	Ca_kabuli_chr07	8994333	AA	GG	1940384102
SNP_P1_129151_8994402	NC_021166.1	Ca_kabuli_chr07	8994402	TT	CC	1940384104
SNP_P1_129154_8995690	NC_021166.1	Ca_kabuli_chr07	8995690	AA	GG	1940384105
SNP_P1_129155_8995957	NC_021166.1	Ca_kabuli_chr07	8995957	CC	TT	1940384107
SNP_P1_129157_8996520	NC_021166.1	Ca_kabuli_chr07	8996520	AA	TT	1940384109
SNP_P1_129158_8996522	NC_021166.1	Ca_kabuli_chr07	8996522	GG	TT	1940384111
SNP_P1_129159_8997385	NC_021166.1	Ca_kabuli_chr07	8997385	AA	GG	1940384112
SNP_P1_129160_8997390	NC_021166.1	Ca_kabuli_chr07	8997390	AA	GG	1940384114
SNP_P1_129161_8998123	NC_021166.1	Ca_kabuli_chr07	8998123	CC	TT	1940384116
SNP_P1_129162_8998558	NC_021166.1	Ca_kabuli_chr07	8998558	CC	TT	1940384118
SNP_P1_129163_8998725	NC_021166.1	Ca_kabuli_chr07	8998725	TT	CC	1940384119
SNP_P1_129164_9009541	NC_021166.1	Ca_kabuli_chr07	9009541	GG	TT	1940384121
SNP_P1_129165_9009542	NC_021166.1	Ca_kabuli_chr07	9009542	CC	TT	1940384123
SNP_P1_129166_9009545	NC_021166.1	Ca_kabuli_chr07	9009545	AA	GG	1940384125
SNP_P1_129167_9009563	NC_021166.1	Ca_kabuli_chr07	9009563	AA	TT	1940384126
SNP_P1_129168_9009843	NC_021166.1	Ca_kabuli_chr07	9009843	TT	CC	1940384128
SNP_P1_129169_9009939	NC_021166.1	Ca_kabuli_chr07	9009939	CC	TT	1940384130
SNP_P1_129170_9010629	NC_021166.1	Ca_kabuli_chr07	9010629	GG	AA	1940384132
SNP_P1_129171_9011583	NC_021166.1	Ca_kabuli_chr07	9011583	CC	AA	1940384133
SNP_P1_129172_9011708	NC_021166.1	Ca_kabuli_chr07	9011708	GG	AA	1940384135
SNP_P1_129173_9012098	NC_021166.1	Ca_kabuli_chr07	9012098	GG	CC	1940384137
SNP_P1_129174_9014145	NC_021166.1	Ca_kabuli_chr07	9014145	TT	GG	1940384139
SNP_P1_129175_9014154	NC_021166.1	Ca_kabuli_chr07	9014154	AA	GG	1940384140
SNP_P1_129176_9014208	NC_021166.1	Ca_kabuli_chr07	9014208	CC	TT	1940384142
SNP_P1_129177_9014263	NC_021166.1	Ca_kabuli_chr07	9014263	AA	GG	1940384144

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129180_9017387	NC_021166.1	Ca_kabuli_chr07	9017387	CC	AA	1940384147
SNP_P1_129181_9018655	NC_021166.1	Ca_kabuli_chr07	9018655	TT	CC	1940384149
SNP_P1_129182_9019879	NC_021166.1	Ca_kabuli_chr07	9019879	TT	CC	1940384151
SNP_P1_129184_9021131	NC_021166.1	Ca_kabuli_chr07	9021131	AA	GG	1940384153
SNP_P1_129185_9022463	NC_021166.1	Ca_kabuli_chr07	9022463	CC	TT	1940384155
SNP_P1_129186_9022508	NC_021166.1	Ca_kabuli_chr07	9022508	TT	CC	1940384156
SNP_P1_129187_9022546	NC_021166.1	Ca_kabuli_chr07	9022546	GG	AA	1940384158
SNP_P1_129189_9024212	NC_021166.1	Ca_kabuli_chr07	9024212	CC	TT	1940384160
SNP_P1_129190_9026120	NC_021166.1	Ca_kabuli_chr07	9026120	CC	TT	1940384162
SNP_P1_129191_9026774	NC_021166.1	Ca_kabuli_chr07	9026774	AA	GG	1940384163
SNP_P1_129192_9030071	NC_021166.1	Ca_kabuli_chr07	9030071	GG	AA	1940384165
SNP_P1_129194_9030289	NC_021166.1	Ca_kabuli_chr07	9030289	AA	GG	1940384167
SNP_P1_129195_9030291	NC_021166.1	Ca_kabuli_chr07	9030291	TT	CC	1940384169
SNP_P1_129196_9030316	NC_021166.1	Ca_kabuli_chr07	9030316	GG	CC	1940384170
SNP_P1_129197_9030322	NC_021166.1	Ca_kabuli_chr07	9030322	AA	TT	1940384172
SNP_P1_129198_9030581	NC_021166.1	Ca_kabuli_chr07	9030581	AA	GG	1940384174
SNP_P1_129203_9035021	NC_021166.1	Ca_kabuli_chr07	9035021	TT	GG	1940384176
SNP_P1_129204_9037355	NC_021166.1	Ca_kabuli_chr07	9037355	GG	AA	1940384177
SNP_P1_129206_9037426	NC_021166.1	Ca_kabuli_chr07	9037426	TT	GG	1940384179
SNP_P1_129207_9037782	NC_021166.1	Ca_kabuli_chr07	9037782	CC	TT	1940384181
SNP_P1_129208_9037805	NC_021166.1	Ca_kabuli_chr07	9037805	AA	CC	1940384183
SNP_P1_129209_9039271	NC_021166.1	Ca_kabuli_chr07	9039271	TT	CC	1940384184
SNP_P1_129210_9039292	NC_021166.1	Ca_kabuli_chr07	9039292	CC	AA	1940384186
SNP_P1_129211_9039311	NC_021166.1	Ca_kabuli_chr07	9039311	TT	AA	1940384188
SNP_P1_129213_9039465	NC_021166.1	Ca_kabuli_chr07	9039465	TT	CC	1940384190
SNP_P1_129214_9039484	NC_021166.1	Ca_kabuli_chr07	9039484	AA	GG	1940384191
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SNP_P1_129216_9039888	NC_021166.1	Ca_kabuli_chr07	9039888	TT	CC	1940384195
SNP_P1_129218_9042988	NC_021166.1	Ca_kabuli_chr07	9042988	TT	CC	1940384197
SNP_P1_129219_9043046	NC_021166.1	Ca_kabuli_chr07	9043046	AA	GG	1940384198
SNP_P1_129220_9043119	NC_021166.1	Ca_kabuli_chr07	9043119	CC	TT	1940384200
SNP_P1_129221_9043121	NC_021166.1	Ca_kabuli_chr07	9043121	GG	AA	1940384202
SNP_P1_129222_9043292	NC_021166.1	Ca_kabuli_chr07	9043292	CC	TT	1940384204
SNP_P1_129223_9043328	NC_021166.1	Ca_kabuli_chr07	9043328	CC	TT	1940384205
SNP_P1_129224_9043406	NC_021166.1	Ca_kabuli_chr07	9043406	GG	AA	1940384207
SNP_P1_129226_9043630	NC_021166.1	Ca_kabuli_chr07	9043630	GG	AA	1940384209
SNP_P1_129227_9043664	NC_021166.1	Ca_kabuli_chr07	9043664	TT	CC	1940384211
SNP_P1_129229_9045933	NC_021166.1	Ca_kabuli_chr07	9045933	TT	CC	1940384213
SNP_P1_129230_9045939	NC_021166.1	Ca_kabuli_chr07	9045939	CC	GG	1940384214
SNP_P1_129231_9046094	NC_021166.1	Ca_kabuli_chr07	9046094	CC	AA	1940384216
SNP_P1_129232_9046462	NC_021166.1	Ca_kabuli_chr07	9046462	TT	GG	1940384218

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129235_9046791	NC_021166.1	Ca_kabuli_chr07	9046791	CC	GG	1940384223
SNP_P1_129236_9047129	NC_021166.1	Ca_kabuli_chr07	9047129	TT	CC	1940384225
SNP_P1_129237_9047665	NC_021166.1	Ca_kabuli_chr07	9047665	CC	TT	1940384227
SNP_P1_129238_9050802	NC_021166.1	Ca_kabuli_chr07	9050802	TT	CC	1940384228
SNP_P1_129239_9050860	NC_021166.1	Ca_kabuli_chr07	9050860	AA	TT	1940384230
SNP_P1_129240_9050998	NC_021166.1	Ca_kabuli_chr07	9050998	TT	CC	1940384232
SNP_P1_129241_9051210	NC_021166.1	Ca_kabuli_chr07	9051210	AA	GG	1940384234
SNP_P1_129242_9051435	NC_021166.1	Ca_kabuli_chr07	9051435	TT	CC	1940384235
SNP_P1_129244_9051640	NC_021166.1	Ca_kabuli_chr07	9051640	GG	TT	1940384237
SNP_P1_129245_9051657	NC_021166.1	Ca_kabuli_chr07	9051657	CC	TT	1940384239
SNP_P1_129246_9051956	NC_021166.1	Ca_kabuli_chr07	9051956	CC	AA	1940384241
SNP_P1_129247_9052415	NC_021166.1	Ca_kabuli_chr07	9052415	CC	GG	1940384242
SNP_P1_129248_9052635	NC_021166.1	Ca_kabuli_chr07	9052635	AA	GG	1940384244
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SNP_P1_129250_9052774	NC_021166.1	Ca_kabuli_chr07	9052774	TT	CC	1940384248
SNP_P1_129251_9052776	NC_021166.1	Ca_kabuli_chr07	9052776	CC	AA	1940384250
SNP_P1_129253_9052907	NC_021166.1	Ca_kabuli_chr07	9052907	AA	GG	1940384251
SNP_P1_129254_9053387	NC_021166.1	Ca_kabuli_chr07	9053387	AA	GG	1940384253
SNP_P1_129255_9053431	NC_021166.1	Ca_kabuli_chr07	9053431	TT	CC	1940384255
SNP_P1_129257_9053791	NC_021166.1	Ca_kabuli_chr07	9053791	CC	TT	1940384256
SNP_P1_129259_9054371	NC_021166.1	Ca_kabuli_chr07	9054371	AA	CC	1940384258
SNP_P1_129260_9055171	NC_021166.1	Ca_kabuli_chr07	9055171	TT	CC	1940384260
SNP_P1_129261_9055201	NC_021166.1	Ca_kabuli_chr07	9055201	AA	TT	1940384262
SNP_P1_129262_9055442	NC_021166.1	Ca_kabuli_chr07	9055442	CC	TT	1940384264
SNP_P1_129263_9055449	NC_021166.1	Ca_kabuli_chr07	9055449	CC	TT	1940384265
SNP_P1_129264_9055456	NC_021166.1	Ca_kabuli_chr07	9055456	TT	CC	1940384267
SNP_P1_129265_9055460	NC_021166.1	Ca_kabuli_chr07	9055460	TT	CC	1940384269
SNP_P1_129268_9056593	NC_021166.1	Ca_kabuli_chr07	9056593	AA	GG	1940384271
SNP_P1_129269_9057336	NC_021166.1	Ca_kabuli_chr07	9057336	CC	TT	1940384272
SNP_P1_129270_9057401	NC_021166.1	Ca_kabuli_chr07	9057401	TT	GG	1940384274
SNP_P1_129271_9057496	NC_021166.1	Ca_kabuli_chr07	9057496	CC	TT	1940384276
SNP_P1_129272_9057554	NC_021166.1	Ca_kabuli_chr07	9057554	GG	AA	1940384278
SNP_P1_129273_9057661	NC_021166.1	Ca_kabuli_chr07	9057661	GG	CC	1940384279
SNP_P1_129274_9057919	NC_021166.1	Ca_kabuli_chr07	9057919	TT	GG	1940384281
SNP_P1_129275_9057962	NC_021166.1	Ca_kabuli_chr07	9057962	CC	TT	1940384283
SNP_P1_129276_9058946	NC_021166.1	Ca_kabuli_chr07	9058946	AA	TT	1940384285
SNP_P1_129279_9059744	NC_021166.1	Ca_kabuli_chr07	9059744	AA	GG	1940384286
SNP_P1_129280_9059767	NC_021166.1	Ca_kabuli_chr07	9059767	TT	AA	1940384288
SNP_P1_129281_9059906	NC_021166.1	Ca_kabuli_chr07	9059906	TT	AA	1940384290
SNP_P1_129282_9060024	NC_021166.1	Ca_kabuli_chr07	9060024	GG	AA	1940384292

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129284_9060374	NC_021166.1	Ca_kabuli_chr07	9060374	GG	AA	1940384295
SNP_P1_129285_9060377	NC_021166.1	Ca_kabuli_chr07	9060377	TT	CC	1940384297
SNP_P1_129286_9060386	NC_021166.1	Ca_kabuli_chr07	9060386	TT	CC	1940384299
SNP_P1_129287_9060393	NC_021166.1	Ca_kabuli_chr07	9060393	CC	TT	1940384300
SNP_P1_129288_9061348	NC_021166.1	Ca_kabuli_chr07	9061348	GG	AA	1940384302
SNP_P1_129289_9063289	NC_021166.1	Ca_kabuli_chr07	9063289	AA	CC	1940384304
SNP_P1_129290_9063526	NC_021166.1	Ca_kabuli_chr07	9063526	TT	CC	1940384306
SNP_P1_129291_9063542	NC_021166.1	Ca_kabuli_chr07	9063542	TT	CC	1940384307
SNP_P1_129292_9063585	NC_021166.1	Ca_kabuli_chr07	9063585	CC	TT	1940384309
SNP_P1_129293_9063598	NC_021166.1	Ca_kabuli_chr07	9063598	CC	TT	1940384311
SNP_P1_129294_9063648	NC_021166.1	Ca_kabuli_chr07	9063648	TT	AA	1940384313
SNP_P1_129295_9064471	NC_021166.1	Ca_kabuli_chr07	9064471	CC	TT	1940384315
SNP_P1_129296_9064695	NC_021166.1	Ca_kabuli_chr07	9064695	TT	CC	1940384316
SNP_P1_129298_9064791	NC_021166.1	Ca_kabuli_chr07	9064791	TT	AA	1940384318
SNP_P1_129300_9065069	NC_021166.1	Ca_kabuli_chr07	9065069	GG	CC	1940384320
SNP_P1_129301_9065743	NC_021166.1	Ca_kabuli_chr07	9065743	GG	AA	1940384322
SNP_P1_129302_9065748	NC_021166.1	Ca_kabuli_chr07	9065748	TT	GG	1940384323
SNP_P1_129303_9066014	NC_021166.1	Ca_kabuli_chr07	9066014	AA	GG	1940384325
SNP_P1_129304_9066546	NC_021166.1	Ca_kabuli_chr07	9066546	TT	CC	1940384327
SNP_P1_129305_9066997	NC_021166.1	Ca_kabuli_chr07	9066997	AA	GG	1940384329
SNP_P1_129306_9067686	NC_021166.1	Ca_kabuli_chr07	9067686	GG	CC	1940384330
SNP_P1_129307_9069092	NC_021166.1	Ca_kabuli_chr07	9069092	CC	TT	1940384332
SNP_P1_129308_9069348	NC_021166.1	Ca_kabuli_chr07	9069348	AA	GG	1940384334
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SNP_P1_129313_9073622	NC_021166.1	Ca_kabuli_chr07	9073622	AA	GG	1940384341
SNP_P1_129314_9073630	NC_021166.1	Ca_kabuli_chr07	9073630	TT	CC	1940384343
SNP_P1_129316_9073664	NC_021166.1	Ca_kabuli_chr07	9073664	TT	CC	1940384345
SNP_P1_129317_9073702	NC_021166.1	Ca_kabuli_chr07	9073702	TT	AA	1940384346
SNP_P1_129318_9073708	NC_021166.1	Ca_kabuli_chr07	9073708	AA	GG	1940384348
SNP_P1_129319_9073885	NC_021166.1	Ca_kabuli_chr07	9073885	TT	GG	1940384350
SNP_P1_129320_9073939	NC_021166.1	Ca_kabuli_chr07	9073939	CC	TT	1940384352
SNP_P1_129321_9074210	NC_021166.1	Ca_kabuli_chr07	9074210	TT	CC	1940384353
SNP_P1_129322_9074523	NC_021166.1	Ca_kabuli_chr07	9074523	CC	TT	1940384355
SNP_P1_129324_9075106	NC_021166.1	Ca_kabuli_chr07	9075106	CC	AA	1940384357
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SNP_P1_129327_9075370	NC_021166.1	Ca_kabuli_chr07	9075370	AA	GG	1940384360
SNP_P1_129328_9075403	NC_021166.1	Ca_kabuli_chr07	9075403	CC	AA	1940384362
SNP_P1_129329_9076284	NC_021166.1	Ca_kabuli_chr07	9076284	GG	AA	1940384364
SNP_P1_129330_9076299	NC_021166.1	Ca_kabuli_chr07	9076299	TT	CC	1940384366

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129333_9077888	NC_021166.1	Ca_kabuli_chr07	9077888	TT	CC	1940384371
SNP_P1_129334_9080694	NC_021166.1	Ca_kabuli_chr07	9080694	CC	TT	1940384373
SNP_P1_129335_9081529	NC_021166.1	Ca_kabuli_chr07	9081529	CC	TT	1940384374
SNP_P1_129336_9081577	NC_021166.1	Ca_kabuli_chr07	9081577	TT	CC	1940384376
SNP_P1_129337_9082419	NC_021166.1	Ca_kabuli_chr07	9082419	AA	TT	1940384378
SNP_P1_129338_9082739	NC_021166.1	Ca_kabuli_chr07	9082739	GG	AA	1940384380
SNP_P1_129339_9082898	NC_021166.1	Ca_kabuli_chr07	9082898	AA	GG	1940384381
SNP_P1_129340_9083853	NC_021166.1	Ca_kabuli_chr07	9083853	CC	AA	1940384383
SNP_P1_129341_9083958	NC_021166.1	Ca_kabuli_chr07	9083958	CC	AA	1940384385
SNP_P1_129342_9084012	NC_021166.1	Ca_kabuli_chr07	9084012	TT	CC	1940384387
SNP_P1_129343_9084273	NC_021166.1	Ca_kabuli_chr07	9084273	AA	TT	1940384388
SNP_P1_129344_9084509	NC_021166.1	Ca_kabuli_chr07	9084509	TT	CC	1940384390
SNP_P1_129345_9084525	NC_021166.1	Ca_kabuli_chr07	9084525	GG	AA	1940384392
SNP_P1_129346_9084705	NC_021166.1	Ca_kabuli_chr07	9084705	GG	CC	1940384394
SNP_P1_129348_9084860	NC_021166.1	Ca_kabuli_chr07	9084860	TT	GG	1940384395
SNP_P1_129349_9087307	NC_021166.1	Ca_kabuli_chr07	9087307	GG	AA	1940384397
SNP_P1_129350_9088120	NC_021166.1	Ca_kabuli_chr07	9088120	CC	GG	1940384399
SNP_P1_129351_9089133	NC_021166.1	Ca_kabuli_chr07	9089133	GG	TT	1940384401
SNP_P1_129352_9089472	NC_021166.1	Ca_kabuli_chr07	9089472	GG	AA	1940384402
SNP_P1_129353_9092809	NC_021166.1	Ca_kabuli_chr07	9092809	TT	GG	1940384404
SNP_P1_129354_9094586	NC_021166.1	Ca_kabuli_chr07	9094586	TT	AA	1940384406
SNP_P1_129355_9094879	NC_021166.1	Ca_kabuli_chr07	9094879	TT	AA	1940384408
SNP_P1_129356_9094942	NC_021166.1	Ca_kabuli_chr07	9094942	CC	TT	1940384410
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SNP_P1_129358_9096356	NC_021166.1	Ca_kabuli_chr07	9096356	TT	AA	1940384413
SNP_P1_129359_9097045	NC_021166.1	Ca_kabuli_chr07	9097045	AA	TT	1940384415
SNP_P1_129360_9097697	NC_021166.1	Ca_kabuli_chr07	9097697	TT	CC	1940384417
SNP_P1_129361_9098255	NC_021166.1	Ca_kabuli_chr07	9098255	GG	AA	1940384418
SNP_P1_129362_9098265	NC_021166.1	Ca_kabuli_chr07	9098265	CC	AA	1940384420
SNP_P1_129363_9100974	NC_021166.1	Ca_kabuli_chr07	9100974	GG	AA	1940384422
SNP_P1_129364_9101168	NC_021166.1	Ca_kabuli_chr07	9101168	CC	GG	1940384424
SNP_P1_129365_9101777	NC_021166.1	Ca_kabuli_chr07	9101777	TT	CC	1940384425
SNP_P1_129367_9103113	NC_021166.1	Ca_kabuli_chr07	9103113	TT	CC	1940384427
SNP_P1_129368_9103121	NC_021166.1	Ca_kabuli_chr07	9103121	TT	CC	1940384429
SNP_P1_129369_9103126	NC_021166.1	Ca_kabuli_chr07	9103126	TT	CC	1940384431
SNP_P1_129370_9103157	NC_021166.1	Ca_kabuli_chr07	9103157	AA	GG	1940384432
SNP_P1_129371_9103180	NC_021166.1	Ca_kabuli_chr07	9103180	CC	TT	1940384434
SNP_P1_129372_9103362	NC_021166.1	Ca_kabuli_chr07	9103362	CC	TT	1940384436
SNP_P1_129373_9103696	NC_021166.1	Ca_kabuli_chr07	9103696	AA	CC	1940384438
SNP_P1_129374_9103699	NC_021166.1	Ca_kabuli_chr07	9103699	AA	GG	1940384439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129378_9104926	NC_021166.1	Ca_kabuli_chr07	9104926	TT	GG	1940384445
SNP_P1_129379_9104944	NC_021166.1	Ca_kabuli_chr07	9104944	GG	AA	1940384447
SNP_P1_129380_9105563	NC_021166.1	Ca_kabuli_chr07	9105563	AA	GG	1940384448
SNP_P1_129381_9105568	NC_021166.1	Ca_kabuli_chr07	9105568	GG	CC	1940384450
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SNP_P1_129387_9105959	NC_021166.1	Ca_kabuli_chr07	9105959	CC	TT	1940384461
SNP_P1_129388_9105980	NC_021166.1	Ca_kabuli_chr07	9105980	GG	AA	1940384462
SNP_P1_129389_9105996	NC_021166.1	Ca_kabuli_chr07	9105996	CC	TT	1940384464
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SNP_P1_129397_9108221	NC_021166.1	Ca_kabuli_chr07	9108221	AA	TT	1940384478
SNP_P1_129398_9108347	NC_021166.1	Ca_kabuli_chr07	9108347	CC	GG	1940384480
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SNP_P1_129407_9109721	NC_021166.1	Ca_kabuli_chr07	9109721	CC	AA	1940384494
SNP_P1_129408_9109732	NC_021166.1	Ca_kabuli_chr07	9109732	TT	CC	1940384496
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SNP_P1_129410_9110544	NC_021166.1	Ca_kabuli_chr07	9110544	GG	AA	1940384499
SNP_P1_129411_9119620	NC_021166.1	Ca_kabuli_chr07	9119620	GG	AA	1940384501
SNP_P1_129412_9120257	NC_021166.1	Ca_kabuli_chr07	9120257	AA	CC	1940384503
SNP_P1_129413_9120844	NC_021166.1	Ca_kabuli_chr07	9120844	GG	AA	1940384505
SNP_P1_129414_9120984	NC_021166.1	Ca_kabuli_chr07	9120984	GG	CC	1940384506
SNP_P1_129415_9122369	NC_021166.1	Ca_kabuli_chr07	9122369	GG	AA	1940384508
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SNP_P1_129417_9125716	NC_021166.1	Ca_kabuli_chr07	9125716	CC	TT	1940384512
SNP_P1_129418_9126200	NC_021166.1	Ca_kabuli_chr07	9126200	CC	TT	1940384513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129422_9127281	NC_021166.1	Ca_kabuli_chr07	9127281	GG	AA	1940384519
SNP_P1_129423_9128697	NC_021166.1	Ca_kabuli_chr07	9128697	TT	CC	1940384521
SNP_P1_129424_9128723	NC_021166.1	Ca_kabuli_chr07	9128723	TT	GG	1940384522
SNP_P1_129425_9128724	NC_021166.1	Ca_kabuli_chr07	9128724	GG	TT	1940384524
SNP_P1_129426_9128748	NC_021166.1	Ca_kabuli_chr07	9128748	TT	GG	1940384526
SNP_P1_129427_9128749	NC_021166.1	Ca_kabuli_chr07	9128749	AA	GG	1940384528
SNP_P1_129428_9128812	NC_021166.1	Ca_kabuli_chr07	9128812	TT	CC	1940384529
SNP_P1_129429_9128821	NC_021166.1	Ca_kabuli_chr07	9128821	GG	AA	1940384531
SNP_P1_129430_9129118	NC_021166.1	Ca_kabuli_chr07	9129118	CC	TT	1940384533
SNP_P1_129431_9129152	NC_021166.1	Ca_kabuli_chr07	9129152	AA	GG	1940384535
SNP_P1_129433_9129384	NC_021166.1	Ca_kabuli_chr07	9129384	GG	CC	1940384536
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SNP_P1_129450_9138439	NC_021166.1	Ca_kabuli_chr07	9138439	GG	AA	1940384565
SNP_P1_129452_9140013	NC_021166.1	Ca_kabuli_chr07	9140013	AA	GG	1940384566
SNP_P1_129453_9140047	NC_021166.1	Ca_kabuli_chr07	9140047	TT	CC	1940384568
SNP_P1_129454_9142633	NC_021166.1	Ca_kabuli_chr07	9142633	GG	AA	1940384570
SNP_P1_129455_9142981	NC_021166.1	Ca_kabuli_chr07	9142981	CC	GG	1940384572
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SNP_P1_129464_9148012	NC_021166.1	Ca_kabuli_chr07	9148012	TT	AA	1940384584
SNP_P1_129465_9149035	NC_021166.1	Ca_kabuli_chr07	9149035	GG	AA	1940384586
SNP_P1_129466_9149243	NC_021166.1	Ca_kabuli_chr07	9149243	CC	GG	1940384587

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129469_9149445	NC_021166.1	Ca_kabuli_chr07	9149445	AA	GG	1940384593
SNP_P1_129470_9153101	NC_021166.1	Ca_kabuli_chr07	9153101	TT	CC	1940384594
SNP_P1_129471_9154838	NC_021166.1	Ca_kabuli_chr07	9154838	TT	CC	1940384596
SNP_P1_129473_9155295	NC_021166.1	Ca_kabuli_chr07	9155295	GG	TT	1940384598
SNP_P1_129474_9155685	NC_021166.1	Ca_kabuli_chr07	9155685	AA	GG	1940384600
SNP_P1_129475_9156490	NC_021166.1	Ca_kabuli_chr07	9156490	TT	CC	1940384602
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SNP_P1_129477_9156546	NC_021166.1	Ca_kabuli_chr07	9156546	CC	TT	1940384605
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SNP_P1_129486_9160696	NC_021166.1	Ca_kabuli_chr07	9160696	AA	TT	1940384616
SNP_P1_129487_9160910	NC_021166.1	Ca_kabuli_chr07	9160910	TT	AA	1940384617
SNP_P1_129488_9161001	NC_021166.1	Ca_kabuli_chr07	9161001	GG	AA	1940384619
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SNP_P1_129506_9166447	NC_021166.1	Ca_kabuli_chr07	9166447	AA	GG	1940384651
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SNP_P1_129510_9172647	NC_021166.1	Ca_kabuli_chr07	9172647	AA	GG	1940384658
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SNP_P1_129512_9174540	NC_021166.1	Ca_kabuli_chr07	9174540	AA	TT	1940384661

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129515_9178041	NC_021166.1	Ca_kabuli_chr07	9178041	CC	TT	1940384667
SNP_P1_129516_9180447	NC_021166.1	Ca_kabuli_chr07	9180447	TT	CC	1940384668
SNP_P1_129517_9180550	NC_021166.1	Ca_kabuli_chr07	9180550	AA	GG	1940384670
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SNP_P1_129524_9181566	NC_021166.1	Ca_kabuli_chr07	9181566	CC	TT	1940384679
SNP_P1_129525_9181568	NC_021166.1	Ca_kabuli_chr07	9181568	GG	AA	1940384681
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SNP_P1_129528_9181880	NC_021166.1	Ca_kabuli_chr07	9181880	AA	TT	1940384684
SNP_P1_129529_9182505	NC_021166.1	Ca_kabuli_chr07	9182505	GG	CC	1940384686
SNP_P1_129530_9182567	NC_021166.1	Ca_kabuli_chr07	9182567	GG	TT	1940384688
SNP_P1_129531_9182881	NC_021166.1	Ca_kabuli_chr07	9182881	AA	GG	1940384689
SNP_P1_129532_9182913	NC_021166.1	Ca_kabuli_chr07	9182913	GG	AA	1940384691
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SNP_P1_129538_9203766	NC_021166.1	Ca_kabuli_chr07	9203766	CC	AA	1940384700
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SNP_P1_129542_9211810	NC_021166.1	Ca_kabuli_chr07	9211810	CC	AA	1940384703
SNP_P1_129543_9211832	NC_021166.1	Ca_kabuli_chr07	9211832	TT	CC	1940384705
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SNP_P1_129546_9212293	NC_021166.1	Ca_kabuli_chr07	9212293	GG	AA	1940384710
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SNP_P1_129548_9214297	NC_021166.1	Ca_kabuli_chr07	9214297	GG	AA	1940384714
SNP_P1_129549_9214494	NC_021166.1	Ca_kabuli_chr07	9214494	TT	GG	1940384716
SNP_P1_129550_9214548	NC_021166.1	Ca_kabuli_chr07	9214548	TT	CC	1940384717
SNP_P1_129551_9214738	NC_021166.1	Ca_kabuli_chr07	9214738	GG	CC	1940384719
SNP_P1_129552_9214996	NC_021166.1	Ca_kabuli_chr07	9214996	GG	AA	1940384721
SNP_P1_129553_9216158	NC_021166.1	Ca_kabuli_chr07	9216158	GG	AA	1940384723
SNP_P1_129554_9217376	NC_021166.1	Ca_kabuli_chr07	9217376	CC	TT	1940384725
SNP_P1_129555_9217653	NC_021166.1	Ca_kabuli_chr07	9217653	AA	CC	1940384726
SNP_P1_129556_9217660	NC_021166.1	Ca_kabuli_chr07	9217660	CC	TT	1940384728
SNP_P1_129557_9218615	NC_021166.1	Ca_kabuli_chr07	9218615	CC	TT	1940384730
SNP_P1_129558_9219059	NC_021166.1	Ca_kabuli_chr07	9219059	GG	AA	1940384732
SNP_P1_129559_9219240	NC_021166.1	Ca_kabuli_chr07	9219240	CC	TT	1940384733
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129562_9219387	NC_021166.1	Ca_kabuli_chr07	9219387	GG	AA	1940384739
SNP_P1_129563_9220377	NC_021166.1	Ca_kabuli_chr07	9220377	GG	TT	1940384740
SNP_P1_129564_9220592	NC_021166.1	Ca_kabuli_chr07	9220592	TT	CC	1940384742
SNP_P1_129565_9220704	NC_021166.1	Ca_kabuli_chr07	9220704	GG	TT	1940384744
SNP_P1_129566_9220952	NC_021166.1	Ca_kabuli_chr07	9220952	GG	AA	1940384746
SNP_P1_129567_9221001	NC_021166.1	Ca_kabuli_chr07	9221001	CC	AA	1940384747
SNP_P1_129568_9224068	NC_021166.1	Ca_kabuli_chr07	9224068	TT	GG	1940384749
SNP_P1_129569_9224069	NC_021166.1	Ca_kabuli_chr07	9224069	TT	CC	1940384751
SNP_P1_129570_9224542	NC_021166.1	Ca_kabuli_chr07	9224542	CC	TT	1940384753
SNP_P1_129571_9224690	NC_021166.1	Ca_kabuli_chr07	9224690	TT	CC	1940384754
SNP_P1_129572_9224838	NC_021166.1	Ca_kabuli_chr07	9224838	AA	TT	1940384756
SNP_P1_129573_9225109	NC_021166.1	Ca_kabuli_chr07	9225109	CC	GG	1940384758
SNP_P1_129574_9225118	NC_021166.1	Ca_kabuli_chr07	9225118	CC	GG	1940384760
SNP_P1_129575_9226701	NC_021166.1	Ca_kabuli_chr07	9226701	AA	GG	1940384761
SNP_P1_129576_9226961	NC_021166.1	Ca_kabuli_chr07	9226961	CC	TT	1940384763
SNP_P1_129577_9228351	NC_021166.1	Ca_kabuli_chr07	9228351	GG	AA	1940384765
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SNP_P1_129580_9231973	NC_021166.1	Ca_kabuli_chr07	9231973	TT	CC	1940384770
SNP_P1_129581_9232147	NC_021166.1	Ca_kabuli_chr07	9232147	AA	GG	1940384772
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SNP_P1_129594_9258899	NC_021166.1	Ca_kabuli_chr07	9258899	TT	CC	1940384791
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SNP_P1_129604_9261379	NC_021166.1	Ca_kabuli_chr07	9261379	GG	AA	1940384806
SNP_P1_129607_9261741	NC_021166.1	Ca_kabuli_chr07	9261741	AA	GG	1940384807
SNP_P1_129609_9262052	NC_021166.1	Ca_kabuli_chr07	9262052	CC	TT	1940384809

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129612_9269774	NC_021166.1	Ca_kabuli_chr07	9269774	GG	TT	1940384814
SNP_P1_129613_9269785	NC_021166.1	Ca_kabuli_chr07	9269785	CC	AA	1940384816
SNP_P1_129614_9269959	NC_021166.1	Ca_kabuli_chr07	9269959	GG	TT	1940384818
SNP_P1_129615_9269968	NC_021166.1	Ca_kabuli_chr07	9269968	GG	TT	1940384820
SNP_P1_129618_9277876	NC_021166.1	Ca_kabuli_chr07	9277876	TT	CC	1940384822
SNP_P1_129620_9278471	NC_021166.1	Ca_kabuli_chr07	9278471	GG	AA	1940384823
SNP_P1_129621_9279075	NC_021166.1	Ca_kabuli_chr07	9279075	AA	GG	1940384825
SNP_P1_129622_9279126	NC_021166.1	Ca_kabuli_chr07	9279126	AA	GG	1940384827
SNP_P1_129623_9279371	NC_021166.1	Ca_kabuli_chr07	9279371	GG	AA	1940384829
SNP_P1_129624_9286378	NC_021166.1	Ca_kabuli_chr07	9286378	TT	CC	1940384830
SNP_P1_129625_9286413	NC_021166.1	Ca_kabuli_chr07	9286413	CC	TT	1940384832
SNP_P1_129626_9286657	NC_021166.1	Ca_kabuli_chr07	9286657	CC	GG	1940384834
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SNP_P1_129628_9288112	NC_021166.1	Ca_kabuli_chr07	9288112	CC	GG	1940384837
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SNP_P1_129630_9293408	NC_021166.1	Ca_kabuli_chr07	9293408	AA	GG	1940384841
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SNP_P1_129634_9300317	NC_021166.1	Ca_kabuli_chr07	9300317	AA	GG	1940384848
SNP_P1_129635_9300324	NC_021166.1	Ca_kabuli_chr07	9300324	TT	GG	1940384850
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SNP_P1_129642_9305331	NC_021166.1	Ca_kabuli_chr07	9305331	GG	AA	1940384862
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SNP_P1_129651_9307455	NC_021166.1	Ca_kabuli_chr07	9307455	TT	AA	1940384876
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SNP_P1_129653_9307499	NC_021166.1	Ca_kabuli_chr07	9307499	TT	CC	1940384880
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SNP_P1_129655_9308761	NC_021166.1	Ca_kabuli_chr07	9308761	AA	TT	1940384883

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129659_9313538	NC_021166.1	Ca_kabuli_chr07	9313538	CC	TT	1940384889
SNP_P1_129660_9313817	NC_021166.1	Ca_kabuli_chr07	9313817	TT	CC	1940384891
SNP_P1_129661_9322184	NC_021166.1	Ca_kabuli_chr07	9322184	CC	GG	1940384892
SNP_P1_129662_9322226	NC_021166.1	Ca_kabuli_chr07	9322226	AA	GG	1940384894
SNP_P1_129663_9322436	NC_021166.1	Ca_kabuli_chr07	9322436	GG	TT	1940384896
SNP_P1_129664_9324790	NC_021166.1	Ca_kabuli_chr07	9324790	GG	AA	1940384898
SNP_P1_129666_9329917	NC_021166.1	Ca_kabuli_chr07	9329917	TT	CC	1940384899
SNP_P1_129667_9330298	NC_021166.1	Ca_kabuli_chr07	9330298	AA	GG	1940384901
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SNP_P1_129670_9330669	NC_021166.1	Ca_kabuli_chr07	9330669	GG	AA	1940384906
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SNP_P1_129672_9331314	NC_021166.1	Ca_kabuli_chr07	9331314	AA	GG	1940384910
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SNP_P1_129692_9339279	NC_021166.1	Ca_kabuli_chr07	9339279	GG	TT	1940384940
SNP_P1_129693_9339945	NC_021166.1	Ca_kabuli_chr07	9339945	GG	AA	1940384942
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SNP_P1_129698_9340323	NC_021166.1	Ca_kabuli_chr07	9340323	TT	AA	1940384950
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SNP_P1_129700_9340450	NC_021166.1	Ca_kabuli_chr07	9340450	AA	CC	1940384954
SNP_P1_129701_9340642	NC_021166.1	Ca_kabuli_chr07	9340642	GG	AA	1940384956
SNP_P1_129702_9340653	NC_021166.1	Ca_kabuli_chr07	9340653	TT	AA	1940384958

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129705_9342355	NC_021166.1	Ca_kabuli_chr07	9342355	CC	AA	1940384963
SNP_P1_129706_9342696	NC_021166.1	Ca_kabuli_chr07	9342696	AA	GG	1940384965
SNP_P1_129707_9342847	NC_021166.1	Ca_kabuli_chr07	9342847	TT	CC	1940384966
SNP_P1_129708_9347148	NC_021166.1	Ca_kabuli_chr07	9347148	AA	GG	1940384968
SNP_P1_129709_9347681	NC_021166.1	Ca_kabuli_chr07	9347681	AA	TT	1940384970
SNP_P1_129710_9347745	NC_021166.1	Ca_kabuli_chr07	9347745	AA	CC	1940384972
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SNP_P1_129713_9347808	NC_021166.1	Ca_kabuli_chr07	9347808	AA	GG	1940384977
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SNP_P1_129717_9349249	NC_021166.1	Ca_kabuli_chr07	9349249	AA	CC	1940384984
SNP_P1_129718_9349273	NC_021166.1	Ca_kabuli_chr07	9349273	CC	TT	1940384986
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SNP_P1_129722_9351010	NC_021166.1	Ca_kabuli_chr07	9351010	TT	CC	1940384991
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SNP_P1_129732_9352319	NC_021166.1	Ca_kabuli_chr07	9352319	TT	AA	1940385009
SNP_P1_129733_9354475	NC_021166.1	Ca_kabuli_chr07	9354475	GG	AA	1940385010
SNP_P1_129735_9357364	NC_021166.1	Ca_kabuli_chr07	9357364	TT	GG	1940385012
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SNP_P1_129739_9358027	NC_021166.1	Ca_kabuli_chr07	9358027	AA	GG	1940385019
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SNP_P1_129746_9366475	NC_021166.1	Ca_kabuli_chr07	9366475	TT	AA	1940385028
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SNP_P1_129749_9368064	NC_021166.1	Ca_kabuli_chr07	9368064	AA	GG	1940385032

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_129750_9368396	NC_021166.1	Ca_kabuli_chr07	9368396	CC	TT	1940385033
SNP_P1_129751_9368852	NC_021166.1	Ca_kabuli_chr07	9368852	TT	AA	1940385035
SNP_P1_129752_9369280	NC_021166.1	Ca_kabuli_chr07	9369280	TT	CC	1940385037
SNP_P1_129753_9369967	NC_021166.1	Ca_kabuli_chr07	9369967	AA	GG	1940385039
SNP_P1_129754_9370044	NC_021166.1	Ca_kabuli_chr07	9370044	TT	CC	1940385041
SNP_P1_129755_9370063	NC_021166.1	Ca_kabuli_chr07	9370063	CC	TT	1940385042
SNP_P1_129756_9370076	NC_021166.1	Ca_kabuli_chr07	9370076	TT	CC	1940385044
SNP_P1_129757_9370105	NC_021166.1	Ca_kabuli_chr07	9370105	CC	AA	1940385046
SNP_P1_129758_9370199	NC_021166.1	Ca_kabuli_chr07	9370199	TT	CC	1940385048
SNP_P1_129759_9370207	NC_021166.1	Ca_kabuli_chr07	9370207	GG	TT	1940385049
SNP_P1_129760_9370231	NC_021166.1	Ca_kabuli_chr07	9370231	GG	TT	1940385051
SNP_P1_129761_9370813	NC_021166.1	Ca_kabuli_chr07	9370813	CC	TT	1940385053
SNP_P1_129762_9370827	NC_021166.1	Ca_kabuli_chr07	9370827	TT	GG	1940385055
SNP_P1_129764_9372123	NC_021166.1	Ca_kabuli_chr07	9372123	TT	CC	1940385056
SNP_P1_129766_9372962	NC_021166.1	Ca_kabuli_chr07	9372962	GG	AA	1940385058
SNP_P1_129767_9373016	NC_021166.1	Ca_kabuli_chr07	9373016	CC	TT	1940385060
SNP_P1_129768_9373031	NC_021166.1	Ca_kabuli_chr07	9373031	TT	CC	1940385062
SNP_P1_129769_9373111	NC_021166.1	Ca_kabuli_chr07	9373111	TT	AA	1940385063
SNP_P1_129771_9373440	NC_021166.1	Ca_kabuli_chr07	9373440	AA	GG	1940385065
SNP_P1_129773_9373649	NC_021166.1	Ca_kabuli_chr07	9373649	GG	TT	1940385067
SNP_P1_129774_9373689	NC_021166.1	Ca_kabuli_chr07	9373689	AA	GG	1940385069
SNP_P1_129776_9373749	NC_021166.1	Ca_kabuli_chr07	9373749	TT	CC	1940385070
SNP_P1_129777_9373802	NC_021166.1	Ca_kabuli_chr07	9373802	AA	CC	1940385072
SNP_P1_129778_9373853	NC_021166.1	Ca_kabuli_chr07	9373853	CC	AA	1940385074
SNP_P1_129779_9374323	NC_021166.1	Ca_kabuli_chr07	9374323	TT	AA	1940385076
SNP_P1_129780_9375625	NC_021166.1	Ca_kabuli_chr07	9375625	GG	AA	1940385078
SNP_P1_129781_9375649	NC_021166.1	Ca_kabuli_chr07	9375649	TT	AA	1940385079
SNP_P1_129782_9378017	NC_021166.1	Ca_kabuli_chr07	9378017	GG	AA	1940385081
SNP_P1_129784_9379132	NC_021166.1	Ca_kabuli_chr07	9379132	GG	AA	1940385083
SNP_P1_129787_9381604	NC_021166.1	Ca_kabuli_chr07	9381604	GG	AA	1940385085
SNP_P1_129788_9381621	NC_021166.1	Ca_kabuli_chr07	9381621	CC	AA	1940385086
SNP_P1_129789_9381656	NC_021166.1	Ca_kabuli_chr07	9381656	GG	AA	1940385088
SNP_P1_129790_9381698	NC_021166.1	Ca_kabuli_chr07	9381698	CC	TT	1940385090
SNP_P1_129791_9381898	NC_021166.1	Ca_kabuli_chr07	9381898	TT	CC	1940385092
SNP_P1_129792_9382163	NC_021166.1	Ca_kabuli_chr07	9382163	AA	CC	1940385093
SNP_P1_129793_9382387	NC_021166.1	Ca_kabuli_chr07	9382387	AA	CC	1940385095
SNP_P1_129794_9382458	NC_021166.1	Ca_kabuli_chr07	9382458	GG	AA	1940385097
SNP_P1_129797_9382523	NC_021166.1	Ca_kabuli_chr07	9382523	GG	AA	1940385099
SNP_P1_129798_9382794	NC_021166.1	Ca_kabuli_chr07	9382794	GG	CC	1940385101
SNP_P1_129799_9382974	NC_021166.1	Ca_kabuli_chr07	9382974	TT	GG	1940385102
SNP_P1_129800_9383027	NC_021166.1	Ca_kabuli_chr07	9383027	TT	GG	1940385104
SNP_P1_129801_9384033	NC_021166.1	Ca_kabuli_chr07	9384033	TT	CC	1940385106

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129803_9384271	NC_021166.1	Ca_kabuli_chr07	9384271	GG	AA	1940385109
SNP_P1_129804_9384285	NC_021166.1	Ca_kabuli_chr07	9384285	TT	CC	1940385111
SNP_P1_129805_9384298	NC_021166.1	Ca_kabuli_chr07	9384298	GG	CC	1940385113
SNP_P1_129806_9384329	NC_021166.1	Ca_kabuli_chr07	9384329	CC	TT	1940385115
SNP_P1_129807_9384354	NC_021166.1	Ca_kabuli_chr07	9384354	TT	GG	1940385116
SNP_P1_129808_9384448	NC_021166.1	Ca_kabuli_chr07	9384448	CC	TT	1940385118
SNP_P1_129809_9384452	NC_021166.1	Ca_kabuli_chr07	9384452	AA	TT	1940385120
SNP_P1_129810_9384501	NC_021166.1	Ca_kabuli_chr07	9384501	GG	AA	1940385122
SNP_P1_129811_9384510	NC_021166.1	Ca_kabuli_chr07	9384510	AA	GG	1940385124
SNP_P1_129812_9384557	NC_021166.1	Ca_kabuli_chr07	9384557	AA	CC	1940385125
SNP_P1_129813_9384575	NC_021166.1	Ca_kabuli_chr07	9384575	CC	AA	1940385127
SNP_P1_129814_9385368	NC_021166.1	Ca_kabuli_chr07	9385368	AA	TT	1940385129
SNP_P1_129815_9385383	NC_021166.1	Ca_kabuli_chr07	9385383	GG	AA	1940385131
SNP_P1_129817_9385561	NC_021166.1	Ca_kabuli_chr07	9385561	TT	CC	1940385132
SNP_P1_129818_9385625	NC_021166.1	Ca_kabuli_chr07	9385625	GG	AA	1940385134
SNP_P1_129819_9385628	NC_021166.1	Ca_kabuli_chr07	9385628	TT	AA	1940385136
SNP_P1_129820_9385638	NC_021166.1	Ca_kabuli_chr07	9385638	AA	GG	1940385138
SNP_P1_129821_9385672	NC_021166.1	Ca_kabuli_chr07	9385672	GG	TT	1940385139
SNP_P1_129822_9385676	NC_021166.1	Ca_kabuli_chr07	9385676	TT	GG	1940385141
SNP_P1_129823_9385953	NC_021166.1	Ca_kabuli_chr07	9385953	AA	GG	1940385143
SNP_P1_129824_9385957	NC_021166.1	Ca_kabuli_chr07	9385957	CC	TT	1940385145
SNP_P1_129826_9386028	NC_021166.1	Ca_kabuli_chr07	9386028	AA	GG	1940385147
SNP_P1_129828_9387668	NC_021166.1	Ca_kabuli_chr07	9387668	CC	TT	1940385148
SNP_P1_129829_9387764	NC_021166.1	Ca_kabuli_chr07	9387764	TT	CC	1940385150
SNP_P1_129830_9390235	NC_021166.1	Ca_kabuli_chr07	9390235	TT	AA	1940385152
SNP_P1_129831_9390507	NC_021166.1	Ca_kabuli_chr07	9390507	TT	AA	1940385154
SNP_P1_129832_9390520	NC_021166.1	Ca_kabuli_chr07	9390520	TT	AA	1940385155
SNP_P1_129833_9391143	NC_021166.1	Ca_kabuli_chr07	9391143	CC	GG	1940385157
SNP_P1_129834_9392309	NC_021166.1	Ca_kabuli_chr07	9392309	TT	CC	1940385159
SNP_P1_129835_9392601	NC_021166.1	Ca_kabuli_chr07	9392601	TT	CC	1940385161
SNP_P1_129836_9393643	NC_021166.1	Ca_kabuli_chr07	9393643	TT	AA	1940385162
SNP_P1_129837_9394335	NC_021166.1	Ca_kabuli_chr07	9394335	CC	TT	1940385164
SNP_P1_129838_9395017	NC_021166.1	Ca_kabuli_chr07	9395017	CC	TT	1940385166
SNP_P1_129839_9395054	NC_021166.1	Ca_kabuli_chr07	9395054	GG	AA	1940385168
SNP_P1_129840_9395059	NC_021166.1	Ca_kabuli_chr07	9395059	GG	TT	1940385169
SNP_P1_129841_9395400	NC_021166.1	Ca_kabuli_chr07	9395400	AA	TT	1940385171
SNP_P1_129842_9395403	NC_021166.1	Ca_kabuli_chr07	9395403	CC	TT	1940385173
SNP_P1_129843_9395409	NC_021166.1	Ca_kabuli_chr07	9395409	AA	CC	1940385175
SNP_P1_129844_9395432	NC_021166.1	Ca_kabuli_chr07	9395432	GG	AA	1940385177
SNP_P1_129845_9395463	NC_021166.1	Ca_kabuli_chr07	9395463	CC	AA	1940385178
SNP_P1_129846_9395666	NC_021166.1	Ca_kabuli_chr07	9395666	CC	TT	1940385180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129848_9395900	NC_021166.1	Ca_kabuli_chr07	9395900	GG	AA	1940385184
SNP_P1_129849_9396313	NC_021166.1	Ca_kabuli_chr07	9396313	TT	GG	1940385185
SNP_P1_129850_9396601	NC_021166.1	Ca_kabuli_chr07	9396601	GG	TT	1940385187
SNP_P1_129851_9396602	NC_021166.1	Ca_kabuli_chr07	9396602	AA	GG	1940385189
SNP_P1_129852_9396811	NC_021166.1	Ca_kabuli_chr07	9396811	GG	CC	1940385191
SNP_P1_129853_9397423	NC_021166.1	Ca_kabuli_chr07	9397423	CC	TT	1940385192
SNP_P1_129854_9397611	NC_021166.1	Ca_kabuli_chr07	9397611	CC	GG	1940385194
SNP_P1_129855_9397617	NC_021166.1	Ca_kabuli_chr07	9397617	GG	AA	1940385196
SNP_P1_129856_9397646	NC_021166.1	Ca_kabuli_chr07	9397646	AA	CC	1940385198
SNP_P1_129857_9397649	NC_021166.1	Ca_kabuli_chr07	9397649	CC	TT	1940385200
SNP_P1_129858_9397675	NC_021166.1	Ca_kabuli_chr07	9397675	AA	GG	1940385201
SNP_P1_129859_9397717	NC_021166.1	Ca_kabuli_chr07	9397717	TT	GG	1940385203
SNP_P1_129860_9397755	NC_021166.1	Ca_kabuli_chr07	9397755	TT	CC	1940385205
SNP_P1_129861_9397760	NC_021166.1	Ca_kabuli_chr07	9397760	AA	TT	1940385207
SNP_P1_129863_9400763	NC_021166.1	Ca_kabuli_chr07	9400763	CC	GG	1940385208
SNP_P1_129864_9400825	NC_021166.1	Ca_kabuli_chr07	9400825	GG	AA	1940385210
SNP_P1_129867_9402045	NC_021166.1	Ca_kabuli_chr07	9402045	AA	CC	1940385212
SNP_P1_129868_9402079	NC_021166.1	Ca_kabuli_chr07	9402079	GG	CC	1940385214
SNP_P1_129869_9402290	NC_021166.1	Ca_kabuli_chr07	9402290	AA	GG	1940385215
SNP_P1_129870_9402421	NC_021166.1	Ca_kabuli_chr07	9402421	GG	TT	1940385217
SNP_P1_129871_9402441	NC_021166.1	Ca_kabuli_chr07	9402441	AA	CC	1940385219
SNP_P1_129872_9402469	NC_021166.1	Ca_kabuli_chr07	9402469	TT	CC	1940385221
SNP_P1_129873_9402621	NC_021166.1	Ca_kabuli_chr07	9402621	AA	GG	1940385222
SNP_P1_129874_9402874	NC_021166.1	Ca_kabuli_chr07	9402874	TT	CC	1940385224
SNP_P1_129875_9403132	NC_021166.1	Ca_kabuli_chr07	9403132	GG	AA	1940385226
SNP_P1_129876_9403456	NC_021166.1	Ca_kabuli_chr07	9403456	AA	TT	1940385228
SNP_P1_129877_9404308	NC_021166.1	Ca_kabuli_chr07	9404308	TT	GG	1940385230
SNP_P1_129878_9404453	NC_021166.1	Ca_kabuli_chr07	9404453	GG	AA	1940385231
SNP_P1_129880_9404525	NC_021166.1	Ca_kabuli_chr07	9404525	AA	GG	1940385233
SNP_P1_129881_9404539	NC_021166.1	Ca_kabuli_chr07	9404539	TT	AA	1940385235
SNP_P1_129882_9404592	NC_021166.1	Ca_kabuli_chr07	9404592	CC	TT	1940385237
SNP_P1_129883_9404798	NC_021166.1	Ca_kabuli_chr07	9404798	AA	GG	1940385238
SNP_P1_129884_9405015	NC_021166.1	Ca_kabuli_chr07	9405015	CC	TT	1940385240
SNP_P1_129885_9405030	NC_021166.1	Ca_kabuli_chr07	9405030	TT	CC	1940385242
SNP_P1_129886_9405281	NC_021166.1	Ca_kabuli_chr07	9405281	CC	TT	1940385244
SNP_P1_129887_9405286	NC_021166.1	Ca_kabuli_chr07	9405286	CC	TT	1940385245
SNP_P1_129889_9406681	NC_021166.1	Ca_kabuli_chr07	9406681	GG	TT	1940385247
SNP_P1_129890_9406911	NC_021166.1	Ca_kabuli_chr07	9406911	TT	GG	1940385249
SNP_P1_129891_9406912	NC_021166.1	Ca_kabuli_chr07	9406912	AA	TT	1940385251
SNP_P1_129892_9406917	NC_021166.1	Ca_kabuli_chr07	9406917	TT	CC	1940385252
SNP_P1_129893_9406936	NC_021166.1	Ca_kabuli_chr07	9406936	TT	AA	1940385254

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129895_9407236	NC_021166.1	Ca_kabuli_chr07	9407236	TT	CC	1940385258
SNP_P1_129896_9407249	NC_021166.1	Ca_kabuli_chr07	9407249	TT	CC	1940385260
SNP_P1_129897_9407273	NC_021166.1	Ca_kabuli_chr07	9407273	GG	TT	1940385261
SNP_P1_129898_9407280	NC_021166.1	Ca_kabuli_chr07	9407280	AA	CC	1940385263
SNP_P1_129899_9409663	NC_021166.1	Ca_kabuli_chr07	9409663	GG	CC	1940385265
SNP_P1_129900_9409686	NC_021166.1	Ca_kabuli_chr07	9409686	CC	TT	1940385267
SNP_P1_129901_9409709	NC_021166.1	Ca_kabuli_chr07	9409709	AA	GG	1940385268
SNP_P1_129902_9409718	NC_021166.1	Ca_kabuli_chr07	9409718	GG	AA	1940385270
SNP_P1_129903_9410081	NC_021166.1	Ca_kabuli_chr07	9410081	CC	TT	1940385272
SNP_P1_129904_9410696	NC_021166.1	Ca_kabuli_chr07	9410696	CC	TT	1940385274
SNP_P1_129906_9411686	NC_021166.1	Ca_kabuli_chr07	9411686	GG	CC	1940385276
SNP_P1_129907_9411711	NC_021166.1	Ca_kabuli_chr07	9411711	TT	GG	1940385278
SNP_P1_129908_9411753	NC_021166.1	Ca_kabuli_chr07	9411753	CC	AA	1940385279
SNP_P1_129909_9412048	NC_021166.1	Ca_kabuli_chr07	9412048	GG	AA	1940385281
SNP_P1_129910_9412297	NC_021166.1	Ca_kabuli_chr07	9412297	AA	GG	1940385283
SNP_P1_129911_9412372	NC_021166.1	Ca_kabuli_chr07	9412372	TT	CC	1940385285
SNP_P1_129912_9412389	NC_021166.1	Ca_kabuli_chr07	9412389	AA	GG	1940385287
SNP_P1_129913_9412538	NC_021166.1	Ca_kabuli_chr07	9412538	GG	AA	1940385288
SNP_P1_129914_9412604	NC_021166.1	Ca_kabuli_chr07	9412604	GG	CC	1940385290
SNP_P1_129915_9412630	NC_021166.1	Ca_kabuli_chr07	9412630	CC	TT	1940385292
SNP_P1_129916_9412839	NC_021166.1	Ca_kabuli_chr07	9412839	TT	CC	1940385294
SNP_P1_129917_9413357	NC_021166.1	Ca_kabuli_chr07	9413357	TT	AA	1940385295
SNP_P1_129919_9413880	NC_021166.1	Ca_kabuli_chr07	9413880	TT	CC	1940385297
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SNP_P1_129921_9414022	NC_021166.1	Ca_kabuli_chr07	9414022	CC	AA	1940385301
SNP_P1_129922_9415043	NC_021166.1	Ca_kabuli_chr07	9415043	TT	CC	1940385303
SNP_P1_129923_9415050	NC_021166.1	Ca_kabuli_chr07	9415050	TT	AA	1940385304
SNP_P1_129924_9415572	NC_021166.1	Ca_kabuli_chr07	9415572	AA	GG	1940385306
SNP_P1_129925_9416992	NC_021166.1	Ca_kabuli_chr07	9416992	AA	GG	1940385308
SNP_P1_129926_9417013	NC_021166.1	Ca_kabuli_chr07	9417013	GG	TT	1940385310
SNP_P1_129927_9418711	NC_021166.1	Ca_kabuli_chr07	9418711	TT	AA	1940385312
SNP_P1_129928_9418769	NC_021166.1	Ca_kabuli_chr07	9418769	AA	CC	1940385313
SNP_P1_129929_9419062	NC_021166.1	Ca_kabuli_chr07	9419062	TT	GG	1940385315
SNP_P1_129930_9419959	NC_021166.1	Ca_kabuli_chr07	9419959	TT	CC	1940385317
SNP_P1_129931_9420093	NC_021166.1	Ca_kabuli_chr07	9420093	AA	TT	1940385319
SNP_P1_129932_9420428	NC_021166.1	Ca_kabuli_chr07	9420428	CC	TT	1940385320
SNP_P1_129933_9420638	NC_021166.1	Ca_kabuli_chr07	9420638	AA	GG	1940385322
SNP_P1_129934_9420669	NC_021166.1	Ca_kabuli_chr07	9420669	GG	AA	1940385324
SNP_P1_129935_9421120	NC_021166.1	Ca_kabuli_chr07	9421120	CC	GG	1940385326
SNP_P1_129937_9421403	NC_021166.1	Ca_kabuli_chr07	9421403	AA	CC	1940385327
SNP_P1_129938_9421533	NC_021166.1	Ca_kabuli_chr07	9421533	AA	CC	1940385329

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129940_9421587	NC_021166.1	Ca_kabuli_chr07	9421587	TT	AA	1940385333
SNP_P1_129942_9422001	NC_021166.1	Ca_kabuli_chr07	9422001	TT	AA	1940385335
SNP_P1_129944_9422842	NC_021166.1	Ca_kabuli_chr07	9422842	TT	CC	1940385336
SNP_P1_129945_9422859	NC_021166.1	Ca_kabuli_chr07	9422859	TT	CC	1940385338
SNP_P1_129946_9422900	NC_021166.1	Ca_kabuli_chr07	9422900	GG	AA	1940385340
SNP_P1_129947_9424351	NC_021166.1	Ca_kabuli_chr07	9424351	AA	CC	1940385342
SNP_P1_129948_9424414	NC_021166.1	Ca_kabuli_chr07	9424414	CC	AA	1940385344
SNP_P1_129949_9424539	NC_021166.1	Ca_kabuli_chr07	9424539	GG	AA	1940385345
SNP_P1_129950_9424684	NC_021166.1	Ca_kabuli_chr07	9424684	AA	GG	1940385347
SNP_P1_129952_9424707	NC_021166.1	Ca_kabuli_chr07	9424707	CC	TT	1940385349
SNP_P1_129953_9424734	NC_021166.1	Ca_kabuli_chr07	9424734	CC	TT	1940385351
SNP_P1_129954_9424748	NC_021166.1	Ca_kabuli_chr07	9424748	TT	AA	1940385353
SNP_P1_129956_9425039	NC_021166.1	Ca_kabuli_chr07	9425039	CC	TT	1940385354
SNP_P1_129957_9425076	NC_021166.1	Ca_kabuli_chr07	9425076	TT	AA	1940385356
SNP_P1_129958_9425781	NC_021166.1	Ca_kabuli_chr07	9425781	AA	GG	1940385358
SNP_P1_129959_9425830	NC_021166.1	Ca_kabuli_chr07	9425830	GG	CC	1940385360
SNP_P1_129960_9426874	NC_021166.1	Ca_kabuli_chr07	9426874	CC	AA	1940385362
SNP_P1_129961_9427039	NC_021166.1	Ca_kabuli_chr07	9427039	GG	AA	1940385363
SNP_P1_129962_9427060	NC_021166.1	Ca_kabuli_chr07	9427060	CC	TT	1940385365
SNP_P1_129963_9427369	NC_021166.1	Ca_kabuli_chr07	9427369	AA	CC	1940385367
SNP_P1_129964_9427388	NC_021166.1	Ca_kabuli_chr07	9427388	GG	AA	1940385369
SNP_P1_129965_9427701	NC_021166.1	Ca_kabuli_chr07	9427701	GG	AA	1940385370
SNP_P1_129966_9427711	NC_021166.1	Ca_kabuli_chr07	9427711	GG	AA	1940385372
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SNP_P1_129972_9430770	NC_021166.1	Ca_kabuli_chr07	9430770	TT	CC	1940385383
SNP_P1_129973_9430850	NC_021166.1	Ca_kabuli_chr07	9430850	TT	CC	1940385385
SNP_P1_129974_9430897	NC_021166.1	Ca_kabuli_chr07	9430897	CC	TT	1940385386
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SNP_P1_129976_9430969	NC_021166.1	Ca_kabuli_chr07	9430969	GG	AA	1940385390
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SNP_P1_129978_9431163	NC_021166.1	Ca_kabuli_chr07	9431163	TT	AA	1940385393
SNP_P1_129979_9431286	NC_021166.1	Ca_kabuli_chr07	9431286	GG	AA	1940385395
SNP_P1_129980_9431288	NC_021166.1	Ca_kabuli_chr07	9431288	AA	GG	1940385397
SNP_P1_129981_9431847	NC_021166.1	Ca_kabuli_chr07	9431847	CC	TT	1940385399
SNP_P1_129982_9431888	NC_021166.1	Ca_kabuli_chr07	9431888	AA	GG	1940385401
SNP_P1_129983_9431903	NC_021166.1	Ca_kabuli_chr07	9431903	GG	AA	1940385402
SNP_P1_129984_9432881	NC_021166.1	Ca_kabuli_chr07	9432881	AA	GG	1940385404

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_129987_9434501	NC_021166.1	Ca_kabuli_chr07	9434501	AA	GG	1940385410
SNP_P1_129989_9438484	NC_021166.1	Ca_kabuli_chr07	9438484	TT	AA	1940385411
SNP_P1_129990_9439304	NC_021166.1	Ca_kabuli_chr07	9439304	GG	CC	1940385413
SNP_P1_129991_9439580	NC_021166.1	Ca_kabuli_chr07	9439580	GG	CC	1940385415
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SNP_P1_129993_9439616	NC_021166.1	Ca_kabuli_chr07	9439616	AA	CC	1940385419
SNP_P1_129994_9439868	NC_021166.1	Ca_kabuli_chr07	9439868	TT	CC	1940385420
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SNP_P1_129997_9441071	NC_021166.1	Ca_kabuli_chr07	9441071	TT	GG	1940385424
SNP_P1_129998_9441079	NC_021166.1	Ca_kabuli_chr07	9441079	CC	TT	1940385426
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SNP_P1_130009_9449213	NC_021166.1	Ca_kabuli_chr07	9449213	GG	AA	1940385444
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SNP_P1_130011_9449917	NC_021166.1	Ca_kabuli_chr07	9449917	AA	CC	1940385447
SNP_P1_130012_9449918	NC_021166.1	Ca_kabuli_chr07	9449918	TT	AA	1940385449
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SNP_P1_130017_9451770	NC_021166.1	Ca_kabuli_chr07	9451770	TT	AA	1940385458
SNP_P1_130018_9451771	NC_021166.1	Ca_kabuli_chr07	9451771	TT	AA	1940385460
SNP_P1_130019_9451779	NC_021166.1	Ca_kabuli_chr07	9451779	CC	TT	1940385462
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SNP_P1_130028_9454883	NC_021166.1	Ca_kabuli_chr07	9454883	AA	GG	1940385474
SNP_P1_130029_9454909	NC_021166.1	Ca_kabuli_chr07	9454909	CC	AA	1940385476
SNP_P1_130030_9454941	NC_021166.1	Ca_kabuli_chr07	9454941	GG	AA	1940385478
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130034_9455005	NC_021166.1	Ca_kabuli_chr07	9455005	AA	GG	1940385485
SNP_P1_130035_9455332	NC_021166.1	Ca_kabuli_chr07	9455332	TT	CC	1940385486
SNP_P1_130036_9455935	NC_021166.1	Ca_kabuli_chr07	9455935	CC	TT	1940385488
SNP_P1_130038_9457323	NC_021166.1	Ca_kabuli_chr07	9457323	TT	CC	1940385490
SNP_P1_130039_9457582	NC_021166.1	Ca_kabuli_chr07	9457582	TT	GG	1940385492
SNP_P1_130040_9457601	NC_021166.1	Ca_kabuli_chr07	9457601	TT	AA	1940385494
SNP_P1_130041_9457637	NC_021166.1	Ca_kabuli_chr07	9457637	TT	CC	1940385495
SNP_P1_130042_9457662	NC_021166.1	Ca_kabuli_chr07	9457662	CC	AA	1940385497
SNP_P1_130043_9457729	NC_021166.1	Ca_kabuli_chr07	9457729	CC	TT	1940385499
SNP_P1_130044_9459415	NC_021166.1	Ca_kabuli_chr07	9459415	GG	TT	1940385501
SNP_P1_130046_9459703	NC_021166.1	Ca_kabuli_chr07	9459703	CC	GG	1940385502
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SNP_P1_130059_9465107	NC_021166.1	Ca_kabuli_chr07	9465107	AA	TT	1940385523
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SNP_P1_130064_9466263	NC_021166.1	Ca_kabuli_chr07	9466263	GG	AA	1940385529
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SNP_P1_130066_9466285	NC_021166.1	Ca_kabuli_chr07	9466285	CC	TT	1940385532
SNP_P1_130067_9466294	NC_021166.1	Ca_kabuli_chr07	9466294	AA	GG	1940385534
SNP_P1_130068_9466333	NC_021166.1	Ca_kabuli_chr07	9466333	AA	TT	1940385536
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SNP_P1_130074_9467973	NC_021166.1	Ca_kabuli_chr07	9467973	AA	GG	1940385545
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SNP_P1_130076_9468321	NC_021166.1	Ca_kabuli_chr07	9468321	TT	CC	1940385548
SNP_P1_130079_9468465	NC_021166.1	Ca_kabuli_chr07	9468465	CC	AA	1940385550
SNP_P1_130080_9468497	NC_021166.1	Ca_kabuli_chr07	9468497	TT	CC	1940385552
SNP_P1_130081_9468540	NC_021166.1	Ca_kabuli_chr07	9468540	AA	GG	1940385553

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130084_9470556	NC_021166.1	Ca_kabuli_chr07	9470556	TT	GG	1940385559
SNP_P1_130085_9471256	NC_021166.1	Ca_kabuli_chr07	9471256	TT	GG	1940385560
SNP_P1_130086_9471286	NC_021166.1	Ca_kabuli_chr07	9471286	AA	TT	1940385562
SNP_P1_130087_9472506	NC_021166.1	Ca_kabuli_chr07	9472506	AA	GG	1940385564
SNP_P1_130088_9480232	NC_021166.1	Ca_kabuli_chr07	9480232	GG	AA	1940385566
SNP_P1_130089_9480244	NC_021166.1	Ca_kabuli_chr07	9480244	AA	TT	1940385567
SNP_P1_130090_9480286	NC_021166.1	Ca_kabuli_chr07	9480286	AA	GG	1940385569
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SNP_P1_130095_9481321	NC_021166.1	Ca_kabuli_chr07	9481321	GG	AA	1940385578
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SNP_P1_130097_9481415	NC_021166.1	Ca_kabuli_chr07	9481415	TT	CC	1940385581
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SNP_P1_130123_9486268	NC_021166.1	Ca_kabuli_chr07	9486268	AA	GG	1940385624
SNP_P1_130124_9486270	NC_021166.1	Ca_kabuli_chr07	9486270	GG	AA	1940385626
SNP_P1_130125_9489222	NC_021166.1	Ca_kabuli_chr07	9489222	CC	AA	1940385628

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SNP_P1_130131_9493591	NC_021166.1	Ca_kabuli_chr07	9493591	CC	TT	1940385635
SNP_P1_130133_9493936	NC_021166.1	Ca_kabuli_chr07	9493936	TT	GG	1940385637
SNP_P1_130134_9493985	NC_021166.1	Ca_kabuli_chr07	9493985	AA	GG	1940385639
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SNP_P1_130138_9494505	NC_021166.1	Ca_kabuli_chr07	9494505	GG	AA	1940385644
SNP_P1_130139_9494556	NC_021166.1	Ca_kabuli_chr07	9494556	AA	TT	1940385646
SNP_P1_130140_9494561	NC_021166.1	Ca_kabuli_chr07	9494561	GG	AA	1940385648
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SNP_P1_130143_9494847	NC_021166.1	Ca_kabuli_chr07	9494847	CC	TT	1940385653
SNP_P1_130146_9496092	NC_021166.1	Ca_kabuli_chr07	9496092	AA	GG	1940385655
SNP_P1_130147_9496242	NC_021166.1	Ca_kabuli_chr07	9496242	CC	AA	1940385657
SNP_P1_130148_9496261	NC_021166.1	Ca_kabuli_chr07	9496261	AA	GG	1940385659
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SNP_P1_130150_9496688	NC_021166.1	Ca_kabuli_chr07	9496688	AA	CC	1940385662
SNP_P1_130152_9497360	NC_021166.1	Ca_kabuli_chr07	9497360	TT	GG	1940385664
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SNP_P1_130155_9501230	NC_021166.1	Ca_kabuli_chr07	9501230	AA	CC	1940385670
SNP_P1_130156_9501265	NC_021166.1	Ca_kabuli_chr07	9501265	AA	GG	1940385671
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SNP_P1_130159_9501629	NC_021166.1	Ca_kabuli_chr07	9501629	CC	TT	1940385675
SNP_P1_130160_9501631	NC_021166.1	Ca_kabuli_chr07	9501631	GG	AA	1940385677
SNP_P1_130161_9501679	NC_021166.1	Ca_kabuli_chr07	9501679	GG	AA	1940385679
SNP_P1_130162_9502023	NC_021166.1	Ca_kabuli_chr07	9502023	TT	CC	1940385680
SNP_P1_130164_9502877	NC_021166.1	Ca_kabuli_chr07	9502877	CC	AA	1940385682
SNP_P1_130165_9503015	NC_021166.1	Ca_kabuli_chr07	9503015	AA	CC	1940385684
SNP_P1_130166_9503020	NC_021166.1	Ca_kabuli_chr07	9503020	CC	TT	1940385686
SNP_P1_130167_9503220	NC_021166.1	Ca_kabuli_chr07	9503220	CC	AA	1940385688
SNP_P1_130168_9503247	NC_021166.1	Ca_kabuli_chr07	9503247	CC	GG	1940385690
SNP_P1_130170_9503683	NC_021166.1	Ca_kabuli_chr07	9503683	TT	GG	1940385691
SNP_P1_130171_9503699	NC_021166.1	Ca_kabuli_chr07	9503699	CC	TT	1940385693
SNP_P1_130172_9504471	NC_021166.1	Ca_kabuli_chr07	9504471	CC	TT	1940385695
SNP_P1_130173_9504477	NC_021166.1	Ca_kabuli_chr07	9504477	TT	CC	1940385697
SNP_P1_130174_9504867	NC_021166.1	Ca_kabuli_chr07	9504867	TT	AA	1940385699
SNP_P1_130175_9504873	NC_021166.1	Ca_kabuli_chr07	9504873	GG	AA	1940385700
SNP_P1_130176_9504919	NC_021166.1	Ca_kabuli_chr07	9504919	AA	GG	1940385702
SNP_P1_130177_9505173	NC_021166.1	Ca_kabuli_chr07	9505173	GG	AA	1940385704

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130180_9505690	NC_021166.1	Ca_kabuli_chr07	9505690	CC	TT	1940385708
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SNP_P1_130182_9506020	NC_021166.1	Ca_kabuli_chr07	9506020	TT	AA	1940385711
SNP_P1_130183_9506373	NC_021166.1	Ca_kabuli_chr07	9506373	TT	AA	1940385713
SNP_P1_130184_9507211	NC_021166.1	Ca_kabuli_chr07	9507211	TT	CC	1940385715
SNP_P1_130185_9507242	NC_021166.1	Ca_kabuli_chr07	9507242	GG	TT	1940385717
SNP_P1_130187_9509906	NC_021166.1	Ca_kabuli_chr07	9509906	CC	TT	1940385718
SNP_P1_130188_9510220	NC_021166.1	Ca_kabuli_chr07	9510220	TT	GG	1940385720
SNP_P1_130189_9510480	NC_021166.1	Ca_kabuli_chr07	9510480	CC	AA	1940385722
SNP_P1_130190_9510535	NC_021166.1	Ca_kabuli_chr07	9510535	CC	GG	1940385724
SNP_P1_130191_9510777	NC_021166.1	Ca_kabuli_chr07	9510777	AA	GG	1940385725
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SNP_P1_130194_9521285	NC_021166.1	Ca_kabuli_chr07	9521285	TT	CC	1940385729
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SNP_P1_130198_9532241	NC_021166.1	Ca_kabuli_chr07	9532241	AA	CC	1940385736
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SNP_P1_130200_9535098	NC_021166.1	Ca_kabuli_chr07	9535098	TT	AA	1940385740
SNP_P1_130201_9535830	NC_021166.1	Ca_kabuli_chr07	9535830	AA	GG	1940385742
SNP_P1_130202_9536684	NC_021166.1	Ca_kabuli_chr07	9536684	GG	AA	1940385744
SNP_P1_130203_9536730	NC_021166.1	Ca_kabuli_chr07	9536730	AA	GG	1940385745
SNP_P1_130205_9538905	NC_021166.1	Ca_kabuli_chr07	9538905	CC	TT	1940385747
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SNP_P1_130210_9539932	NC_021166.1	Ca_kabuli_chr07	9539932	TT	CC	1940385755
SNP_P1_130212_9540499	NC_021166.1	Ca_kabuli_chr07	9540499	GG	TT	1940385756
SNP_P1_130213_9540654	NC_021166.1	Ca_kabuli_chr07	9540654	GG	AA	1940385758
SNP_P1_130214_9540893	NC_021166.1	Ca_kabuli_chr07	9540893	AA	GG	1940385760
SNP_P1_130215_9540899	NC_021166.1	Ca_kabuli_chr07	9540899	GG	AA	1940385762
SNP_P1_130216_9540904	NC_021166.1	Ca_kabuli_chr07	9540904	AA	TT	1940385764
SNP_P1_130217_9541645	NC_021166.1	Ca_kabuli_chr07	9541645	TT	GG	1940385765
SNP_P1_130219_9542970	NC_021166.1	Ca_kabuli_chr07	9542970	CC	TT	1940385767
SNP_P1_130220_9543060	NC_021166.1	Ca_kabuli_chr07	9543060	CC	TT	1940385769
SNP_P1_130221_9543267	NC_021166.1	Ca_kabuli_chr07	9543267	CC	TT	1940385771
SNP_P1_130222_9543351	NC_021166.1	Ca_kabuli_chr07	9543351	GG	AA	1940385773
SNP_P1_130223_9543435	NC_021166.1	Ca_kabuli_chr07	9543435	CC	TT	1940385775
SNP_P1_130224_9543504	NC_021166.1	Ca_kabuli_chr07	9543504	TT	CC	1940385776
SNP_P1_130226_9544143	NC_021166.1	Ca_kabuli_chr07	9544143	TT	AA	1940385778
SNP_P1_130227_9544154	NC_021166.1	Ca_kabuli_chr07	9544154	CC	TT	1940385780

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130230_9545141	NC_021166.1	Ca_kabuli_chr07	9545141	CC	TT	1940385783
SNP_P1_130231_9545333	NC_021166.1	Ca_kabuli_chr07	9545333	AA	CC	1940385785
SNP_P1_130232_9546152	NC_021166.1	Ca_kabuli_chr07	9546152	TT	GG	1940385787
SNP_P1_130233_9546157	NC_021166.1	Ca_kabuli_chr07	9546157	TT	CC	1940385789
SNP_P1_130234_9546469	NC_021166.1	Ca_kabuli_chr07	9546469	CC	AA	1940385791
SNP_P1_130235_9546471	NC_021166.1	Ca_kabuli_chr07	9546471	AA	CC	1940385792
SNP_P1_130236_9549078	NC_021166.1	Ca_kabuli_chr07	9549078	CC	TT	1940385794
SNP_P1_130238_9549668	NC_021166.1	Ca_kabuli_chr07	9549668	GG	TT	1940385796
SNP_P1_130239_9549995	NC_021166.1	Ca_kabuli_chr07	9549995	AA	GG	1940385798
SNP_P1_130240_9550423	NC_021166.1	Ca_kabuli_chr07	9550423	AA	GG	1940385799
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SNP_P1_130246_9554262	NC_021166.1	Ca_kabuli_chr07	9554262	CC	TT	1940385808
SNP_P1_130247_9554752	NC_021166.1	Ca_kabuli_chr07	9554752	TT	CC	1940385810
SNP_P1_130248_9556025	NC_021166.1	Ca_kabuli_chr07	9556025	TT	GG	1940385812
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SNP_P1_130254_9556539	NC_021166.1	Ca_kabuli_chr07	9556539	AA	GG	1940385823
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SNP_P1_130259_9556642	NC_021166.1	Ca_kabuli_chr07	9556642	AA	GG	1940385832
SNP_P1_130260_9556649	NC_021166.1	Ca_kabuli_chr07	9556649	TT	CC	1940385833
SNP_P1_130261_9557594	NC_021166.1	Ca_kabuli_chr07	9557594	CC	TT	1940385835
SNP_P1_130263_9557650	NC_021166.1	Ca_kabuli_chr07	9557650	AA	GG	1940385837
SNP_P1_130264_9558216	NC_021166.1	Ca_kabuli_chr07	9558216	TT	CC	1940385839
SNP_P1_130266_9558605	NC_021166.1	Ca_kabuli_chr07	9558605	AA	GG	1940385841
SNP_P1_130268_9558661	NC_021166.1	Ca_kabuli_chr07	9558661	CC	TT	1940385842
SNP_P1_130269_9558663	NC_021166.1	Ca_kabuli_chr07	9558663	GG	AA	1940385844
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SNP_P1_130271_9559202	NC_021166.1	Ca_kabuli_chr07	9559202	CC	AA	1940385848
SNP_P1_130272_9559418	NC_021166.1	Ca_kabuli_chr07	9559418	AA	TT	1940385850
SNP_P1_130274_9559698	NC_021166.1	Ca_kabuli_chr07	9559698	AA	TT	1940385851
SNP_P1_130275_9559741	NC_021166.1	Ca_kabuli_chr07	9559741	GG	AA	1940385853
SNP_P1_130276_9560540	NC_021166.1	Ca_kabuli_chr07	9560540	AA	GG	1940385855

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130279_9562408	NC_021166.1	Ca_kabuli_chr07	9562408	AA	GG	1940385858
SNP_P1_130280_9563521	NC_021166.1	Ca_kabuli_chr07	9563521	CC	TT	1940385860
SNP_P1_130281_9563758	NC_021166.1	Ca_kabuli_chr07	9563758	TT	CC	1940385862
SNP_P1_130282_9566489	NC_021166.1	Ca_kabuli_chr07	9566489	GG	AA	1940385864
SNP_P1_130283_9566499	NC_021166.1	Ca_kabuli_chr07	9566499	GG	AA	1940385865
SNP_P1_130284_9566529	NC_021166.1	Ca_kabuli_chr07	9566529	AA	GG	1940385867
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SNP_P1_130310_9582554	NC_021166.1	Ca_kabuli_chr07	9582554	GG	CC	1940385908
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SNP_P1_130314_9584210	NC_021166.1	Ca_kabuli_chr07	9584210	CC	AA	1940385913
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SNP_P1_130319_9589081	NC_021166.1	Ca_kabuli_chr07	9589081	GG	CC	1940385918
SNP_P1_130320_9589085	NC_021166.1	Ca_kabuli_chr07	9589085	GG	AA	1940385920
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SNP_P1_130323_9589944	NC_021166.1	Ca_kabuli_chr07	9589944	TT	CC	1940385925
SNP_P1_130324_9590733	NC_021166.1	Ca_kabuli_chr07	9590733	CC	TT	1940385927
SNP_P1_130325_9592107	NC_021166.1	Ca_kabuli_chr07	9592107	TT	CC	1940385929

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130328_9592523	NC_021166.1	Ca_kabuli_chr07	9592523	CC	TT	1940385934
SNP_P1_130329_9593194	NC_021166.1	Ca_kabuli_chr07	9593194	TT	CC	1940385936
SNP_P1_130331_9603572	NC_021166.1	Ca_kabuli_chr07	9603572	GG	AA	1940385938
SNP_P1_130332_9604447	NC_021166.1	Ca_kabuli_chr07	9604447	AA	GG	1940385939
SNP_P1_130333_9604456	NC_021166.1	Ca_kabuli_chr07	9604456	AA	GG	1940385941
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SNP_P1_130354_9613008	NC_021166.1	Ca_kabuli_chr07	9613008	TT	AA	1940385975
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SNP_P1_130358_9619270	NC_021166.1	Ca_kabuli_chr07	9619270	GG	AA	1940385982
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SNP_P1_130361_9620065	NC_021166.1	Ca_kabuli_chr07	9620065	TT	GG	1940385985
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SNP_P1_130363_9620573	NC_021166.1	Ca_kabuli_chr07	9620573	AA	GG	1940385989
SNP_P1_130365_9623035	NC_021166.1	Ca_kabuli_chr07	9623035	AA	GG	1940385991
SNP_P1_130366_9623312	NC_021166.1	Ca_kabuli_chr07	9623312	AA	GG	1940385992
SNP_P1_130367_9624446	NC_021166.1	Ca_kabuli_chr07	9624446	TT	GG	1940385994
SNP_P1_130368_9624752	NC_021166.1	Ca_kabuli_chr07	9624752	CC	AA	1940385996
SNP_P1_130371_9624835	NC_021166.1	Ca_kabuli_chr07	9624835	TT	AA	1940385998
SNP_P1_130373_9625794	NC_021166.1	Ca_kabuli_chr07	9625794	CC	TT	1940385999
SNP_P1_130374_9625999	NC_021166.1	Ca_kabuli_chr07	9625999	AA	TT	1940386001
SNP_P1_130375_9626036	NC_021166.1	Ca_kabuli_chr07	9626036	GG	AA	1940386003

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_130376_9626271	NC_021166.1	Ca_kabuli_chr07	9626271	TT	CC	1940386005
SNP_P1_130377_9626326	NC_021166.1	Ca_kabuli_chr07	9626326	CC	AA	1940386006
SNP_P1_130378_9626435	NC_021166.1	Ca_kabuli_chr07	9626435	CC	AA	1940386008
SNP_P1_130379_9626460	NC_021166.1	Ca_kabuli_chr07	9626460	AA	GG	1940386010
SNP_P1_130380_9626894	NC_021166.1	Ca_kabuli_chr07	9626894	GG	AA	1940386012
SNP_P1_130381_9626936	NC_021166.1	Ca_kabuli_chr07	9626936	AA	GG	1940386014
SNP_P1_130383_9629082	NC_021166.1	Ca_kabuli_chr07	9629082	CC	AA	1940386015
SNP_P1_130384_9632417	NC_021166.1	Ca_kabuli_chr07	9632417	TT	AA	1940386017
SNP_P1_130385_9632418	NC_021166.1	Ca_kabuli_chr07	9632418	AA	CC	1940386019
SNP_P1_130386_9632434	NC_021166.1	Ca_kabuli_chr07	9632434	TT	AA	1940386021
SNP_P1_130387_9635168	NC_021166.1	Ca_kabuli_chr07	9635168	CC	AA	1940386022
SNP_P1_130389_9635482	NC_021166.1	Ca_kabuli_chr07	9635482	TT	CC	1940386024
SNP_P1_130390_9635751	NC_021166.1	Ca_kabuli_chr07	9635751	AA	GG	1940386026
SNP_P1_130391_9636335	NC_021166.1	Ca_kabuli_chr07	9636335	TT	AA	1940386028
SNP_P1_130392_9637259	NC_021166.1	Ca_kabuli_chr07	9637259	TT	AA	1940386029
SNP_P1_130393_9637760	NC_021166.1	Ca_kabuli_chr07	9637760	GG	AA	1940386031
SNP_P1_130394_9637858	NC_021166.1	Ca_kabuli_chr07	9637858	TT	CC	1940386033
SNP_P1_130396_9640490	NC_021166.1	Ca_kabuli_chr07	9640490	GG	AA	1940386035
SNP_P1_130397_9641512	NC_021166.1	Ca_kabuli_chr07	9641512	AA	TT	1940386036
SNP_P1_130398_9641821	NC_021166.1	Ca_kabuli_chr07	9641821	CC	GG	1940386038
SNP_P1_130399_9641880	NC_021166.1	Ca_kabuli_chr07	9641880	TT	GG	1940386040
SNP_P1_130400_9643081	NC_021166.1	Ca_kabuli_chr07	9643081	AA	GG	1940386042
SNP_P1_130402_9644387	NC_021166.1	Ca_kabuli_chr07	9644387	CC	AA	1940386044
SNP_P1_130403_9645289	NC_021166.1	Ca_kabuli_chr07	9645289	GG	AA	1940386045
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SNP_P1_130405_9646714	NC_021166.1	Ca_kabuli_chr07	9646714	TT	CC	1940386049
SNP_P1_130406_9646715	NC_021166.1	Ca_kabuli_chr07	9646715	GG	AA	1940386051
SNP_P1_130407_9646767	NC_021166.1	Ca_kabuli_chr07	9646767	GG	AA	1940386052
SNP_P1_130408_9646836	NC_021166.1	Ca_kabuli_chr07	9646836	CC	TT	1940386054
SNP_P1_130409_9646846	NC_021166.1	Ca_kabuli_chr07	9646846	AA	GG	1940386056
SNP_P1_130410_9647874	NC_021166.1	Ca_kabuli_chr07	9647874	AA	GG	1940386058
SNP_P1_130412_9648170	NC_021166.1	Ca_kabuli_chr07	9648170	CC	AA	1940386059
SNP_P1_130413_9648187	NC_021166.1	Ca_kabuli_chr07	9648187	AA	TT	1940386061
SNP_P1_130414_9648381	NC_021166.1	Ca_kabuli_chr07	9648381	AA	CC	1940386063
SNP_P1_130415_9648435	NC_021166.1	Ca_kabuli_chr07	9648435	GG	TT	1940386065
SNP_P1_130416_9648551	NC_021166.1	Ca_kabuli_chr07	9648551	TT	CC	1940386067
SNP_P1_130417_9649050	NC_021166.1	Ca_kabuli_chr07	9649050	AA	GG	1940386068
SNP_P1_130418_9649061	NC_021166.1	Ca_kabuli_chr07	9649061	CC	AA	1940386070
SNP_P1_130419_9649162	NC_021166.1	Ca_kabuli_chr07	9649162	TT	CC	1940386072
SNP_P1_130420_9649186	NC_021166.1	Ca_kabuli_chr07	9649186	GG	CC	1940386074
SNP_P1_130421_9649293	NC_021166.1	Ca_kabuli_chr07	9649293	TT	GG	1940386075
SNP_P1_130422_9649436	NC_021166.1	Ca_kabuli_chr07	9649436	AA	GG	1940386077

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130424_9652352	NC_021166.1	Ca_kabuli_chr07	9652352	AA	GG	1940386081
SNP_P1_130425_9652458	NC_021166.1	Ca_kabuli_chr07	9652458	AA	GG	1940386083
SNP_P1_130426_9653123	NC_021166.1	Ca_kabuli_chr07	9653123	TT	GG	1940386084
SNP_P1_130427_9654529	NC_021166.1	Ca_kabuli_chr07	9654529	CC	AA	1940386086
SNP_P1_130428_9655008	NC_021166.1	Ca_kabuli_chr07	9655008	CC	AA	1940386088
SNP_P1_130430_9656113	NC_021166.1	Ca_kabuli_chr07	9656113	CC	TT	1940386090
SNP_P1_130431_9657542	NC_021166.1	Ca_kabuli_chr07	9657542	AA	CC	1940386091
SNP_P1_130432_9657548	NC_021166.1	Ca_kabuli_chr07	9657548	GG	CC	1940386093
SNP_P1_130434_9658017	NC_021166.1	Ca_kabuli_chr07	9658017	TT	GG	1940386095
SNP_P1_130435_9658037	NC_021166.1	Ca_kabuli_chr07	9658037	TT	AA	1940386097
SNP_P1_130436_9659319	NC_021166.1	Ca_kabuli_chr07	9659319	CC	TT	1940386099
SNP_P1_130437_9660605	NC_021166.1	Ca_kabuli_chr07	9660605	AA	GG	1940386100
SNP_P1_130438_9660664	NC_021166.1	Ca_kabuli_chr07	9660664	CC	TT	1940386102
SNP_P1_130439_9661791	NC_021166.1	Ca_kabuli_chr07	9661791	TT	CC	1940386104
SNP_P1_130440_9661807	NC_021166.1	Ca_kabuli_chr07	9661807	CC	AA	1940386106
SNP_P1_130441_9662159	NC_021166.1	Ca_kabuli_chr07	9662159	AA	GG	1940386108
SNP_P1_130442_9662792	NC_021166.1	Ca_kabuli_chr07	9662792	AA	TT	1940386109
SNP_P1_130443_9663109	NC_021166.1	Ca_kabuli_chr07	9663109	TT	CC	1940386111
SNP_P1_130445_9665666	NC_021166.1	Ca_kabuli_chr07	9665666	CC	TT	1940386113
SNP_P1_130447_9666166	NC_021166.1	Ca_kabuli_chr07	9666166	TT	CC	1940386115
SNP_P1_130449_9666205	NC_021166.1	Ca_kabuli_chr07	9666205	TT	CC	1940386116
SNP_P1_130450_9666290	NC_021166.1	Ca_kabuli_chr07	9666290	TT	CC	1940386118
SNP_P1_130451_9666688	NC_021166.1	Ca_kabuli_chr07	9666688	CC	TT	1940386120
SNP_P1_130452_9667024	NC_021166.1	Ca_kabuli_chr07	9667024	AA	TT	1940386122
SNP_P1_130453_9667570	NC_021166.1	Ca_kabuli_chr07	9667570	CC	TT	1940386124
SNP_P1_130454_9668224	NC_021166.1	Ca_kabuli_chr07	9668224	AA	TT	1940386125
SNP_P1_130455_9669052	NC_021166.1	Ca_kabuli_chr07	9669052	GG	AA	1940386127
SNP_P1_130456_9671098	NC_021166.1	Ca_kabuli_chr07	9671098	AA	GG	1940386129
SNP_P1_130457_9672351	NC_021166.1	Ca_kabuli_chr07	9672351	CC	TT	1940386131
SNP_P1_130459_9672492	NC_021166.1	Ca_kabuli_chr07	9672492	TT	CC	1940386133
SNP_P1_130460_9672795	NC_021166.1	Ca_kabuli_chr07	9672795	AA	TT	1940386134
SNP_P1_130461_9673040	NC_021166.1	Ca_kabuli_chr07	9673040	GG	TT	1940386136
SNP_P1_130462_9673829	NC_021166.1	Ca_kabuli_chr07	9673829	AA	GG	1940386138
SNP_P1_130463_9673835	NC_021166.1	Ca_kabuli_chr07	9673835	GG	TT	1940386140
SNP_P1_130464_9673939	NC_021166.1	Ca_kabuli_chr07	9673939	AA	GG	1940386141
SNP_P1_130465_9674096	NC_021166.1	Ca_kabuli_chr07	9674096	GG	CC	1940386143
SNP_P1_130466_9674119	NC_021166.1	Ca_kabuli_chr07	9674119	AA	TT	1940386145
SNP_P1_130467_9674680	NC_021166.1	Ca_kabuli_chr07	9674680	AA	GG	1940386147
SNP_P1_130469_9675308	NC_021166.1	Ca_kabuli_chr07	9675308	GG	TT	1940386148
SNP_P1_130470_9675418	NC_021166.1	Ca_kabuli_chr07	9675418	GG	TT	1940386150
SNP_P1_130471_9675465	NC_021166.1	Ca_kabuli_chr07	9675465	AA	GG	1940386152

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130473_9675511	NC_021166.1	Ca_kabuli_chr07	9675511	GG	AA	1940386156
SNP_P1_130474_9675662	NC_021166.1	Ca_kabuli_chr07	9675662	CC	TT	1940386157
SNP_P1_130475_9675734	NC_021166.1	Ca_kabuli_chr07	9675734	CC	TT	1940386159
SNP_P1_130476_9675761	NC_021166.1	Ca_kabuli_chr07	9675761	GG	TT	1940386161
SNP_P1_130477_9675891	NC_021166.1	Ca_kabuli_chr07	9675891	TT	CC	1940386163
SNP_P1_130478_9675894	NC_021166.1	Ca_kabuli_chr07	9675894	TT	CC	1940386164
SNP_P1_130479_9675919	NC_021166.1	Ca_kabuli_chr07	9675919	TT	CC	1940386166
SNP_P1_130480_9676332	NC_021166.1	Ca_kabuli_chr07	9676332	CC	TT	1940386168
SNP_P1_130481_9676368	NC_021166.1	Ca_kabuli_chr07	9676368	TT	GG	1940386170
SNP_P1_130483_9676812	NC_021166.1	Ca_kabuli_chr07	9676812	CC	TT	1940386172
SNP_P1_130484_9676815	NC_021166.1	Ca_kabuli_chr07	9676815	AA	GG	1940386173
SNP_P1_130485_9676818	NC_021166.1	Ca_kabuli_chr07	9676818	GG	AA	1940386175
SNP_P1_130487_9677768	NC_021166.1	Ca_kabuli_chr07	9677768	GG	CC	1940386177
SNP_P1_130488_9678885	NC_021166.1	Ca_kabuli_chr07	9678885	CC	GG	1940386179
SNP_P1_130489_9678952	NC_021166.1	Ca_kabuli_chr07	9678952	AA	TT	1940386181
SNP_P1_130490_9679543	NC_021166.1	Ca_kabuli_chr07	9679543	CC	TT	1940386182
SNP_P1_130491_9680846	NC_021166.1	Ca_kabuli_chr07	9680846	AA	CC	1940386184
SNP_P1_130492_9681205	NC_021166.1	Ca_kabuli_chr07	9681205	GG	AA	1940386186
SNP_P1_130493_9681499	NC_021166.1	Ca_kabuli_chr07	9681499	CC	TT	1940386188
SNP_P1_130494_9681506	NC_021166.1	Ca_kabuli_chr07	9681506	GG	CC	1940386189
SNP_P1_130495_9682328	NC_021166.1	Ca_kabuli_chr07	9682328	TT	AA	1940386191
SNP_P1_130496_9682593	NC_021166.1	Ca_kabuli_chr07	9682593	AA	TT	1940386193
SNP_P1_130497_9682778	NC_021166.1	Ca_kabuli_chr07	9682778	CC	TT	1940386195
SNP_P1_130498_9682894	NC_021166.1	Ca_kabuli_chr07	9682894	AA	TT	1940386196
SNP_P1_130500_9682982	NC_021166.1	Ca_kabuli_chr07	9682982	TT	GG	1940386198
SNP_P1_130501_9683010	NC_021166.1	Ca_kabuli_chr07	9683010	TT	AA	1940386200
SNP_P1_130503_9683096	NC_021166.1	Ca_kabuli_chr07	9683096	GG	AA	1940386202
SNP_P1_130505_9686099	NC_021166.1	Ca_kabuli_chr07	9686099	CC	TT	1940386203
SNP_P1_130506_9686117	NC_021166.1	Ca_kabuli_chr07	9686117	AA	CC	1940386205
SNP_P1_130507_9686252	NC_021166.1	Ca_kabuli_chr07	9686252	AA	GG	1940386207
SNP_P1_130508_9686971	NC_021166.1	Ca_kabuli_chr07	9686971	TT	AA	1940386209
SNP_P1_130509_9687254	NC_021166.1	Ca_kabuli_chr07	9687254	AA	GG	1940386210
SNP_P1_130510_9687328	NC_021166.1	Ca_kabuli_chr07	9687328	AA	GG	1940386212
SNP_P1_130511_9687366	NC_021166.1	Ca_kabuli_chr07	9687366	CC	TT	1940386214
SNP_P1_130512_9687395	NC_021166.1	Ca_kabuli_chr07	9687395	CC	TT	1940386216
SNP_P1_130513_9687474	NC_021166.1	Ca_kabuli_chr07	9687474	CC	AA	1940386218
SNP_P1_130514_9691553	NC_021166.1	Ca_kabuli_chr07	9691553	TT	GG	1940386219
SNP_P1_130516_9693596	NC_021166.1	Ca_kabuli_chr07	9693596	AA	GG	1940386221
SNP_P1_130517_9693712	NC_021166.1	Ca_kabuli_chr07	9693712	CC	TT	1940386223
SNP_P1_130518_9693745	NC_021166.1	Ca_kabuli_chr07	9693745	AA	GG	1940386225
SNP_P1_130519_9693807	NC_021166.1	Ca_kabuli_chr07	9693807	AA	CC	1940386226

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130521_9694093	NC_021166.1	Ca_kabuli_chr07	9694093	GG	CC	1940386230
SNP_P1_130522_9694458	NC_021166.1	Ca_kabuli_chr07	9694458	TT	CC	1940386232
SNP_P1_130523_9694525	NC_021166.1	Ca_kabuli_chr07	9694525	TT	CC	1940386233
SNP_P1_130524_9696613	NC_021166.1	Ca_kabuli_chr07	9696613	CC	GG	1940386235
SNP_P1_130525_9697056	NC_021166.1	Ca_kabuli_chr07	9697056	CC	TT	1940386237
SNP_P1_130526_9698110	NC_021166.1	Ca_kabuli_chr07	9698110	AA	GG	1940386239
SNP_P1_130527_9698118	NC_021166.1	Ca_kabuli_chr07	9698118	TT	GG	1940386240
SNP_P1_130528_9698120	NC_021166.1	Ca_kabuli_chr07	9698120	TT	CC	1940386242
SNP_P1_130529_9698782	NC_021166.1	Ca_kabuli_chr07	9698782	AA	TT	1940386244
SNP_P1_130530_9699568	NC_021166.1	Ca_kabuli_chr07	9699568	TT	CC	1940386246
SNP_P1_130531_9699875	NC_021166.1	Ca_kabuli_chr07	9699875	AA	TT	1940386247
SNP_P1_130533_9699911	NC_021166.1	Ca_kabuli_chr07	9699911	AA	GG	1940386249
SNP_P1_130534_9699941	NC_021166.1	Ca_kabuli_chr07	9699941	TT	CC	1940386251
SNP_P1_130535_9700346	NC_021166.1	Ca_kabuli_chr07	9700346	TT	CC	1940386253
SNP_P1_130536_9701011	NC_021166.1	Ca_kabuli_chr07	9701011	AA	TT	1940386254
SNP_P1_130537_9701087	NC_021166.1	Ca_kabuli_chr07	9701087	CC	TT	1940386256
SNP_P1_130538_9701101	NC_021166.1	Ca_kabuli_chr07	9701101	TT	GG	1940386258
SNP_P1_130539_9701102	NC_021166.1	Ca_kabuli_chr07	9701102	GG	AA	1940386260
SNP_P1_130540_9701103	NC_021166.1	Ca_kabuli_chr07	9701103	TT	CC	1940386262
SNP_P1_130541_9701104	NC_021166.1	Ca_kabuli_chr07	9701104	GG	AA	1940386263
SNP_P1_130542_9701132	NC_021166.1	Ca_kabuli_chr07	9701132	AA	GG	1940386265
SNP_P1_130544_9701192	NC_021166.1	Ca_kabuli_chr07	9701192	TT	CC	1940386267
SNP_P1_130545_9701201	NC_021166.1	Ca_kabuli_chr07	9701201	GG	AA	1940386269
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SNP_P1_130552_9705004	NC_021166.1	Ca_kabuli_chr07	9705004	TT	CC	1940386281
SNP_P1_130553_9705153	NC_021166.1	Ca_kabuli_chr07	9705153	CC	TT	1940386283
SNP_P1_130554_9705158	NC_021166.1	Ca_kabuli_chr07	9705158	TT	AA	1940386284
SNP_P1_130555_9705162	NC_021166.1	Ca_kabuli_chr07	9705162	AA	CC	1940386286
SNP_P1_130556_9705163	NC_021166.1	Ca_kabuli_chr07	9705163	TT	AA	1940386288
SNP_P1_130557_9705184	NC_021166.1	Ca_kabuli_chr07	9705184	AA	CC	1940386290
SNP_P1_130559_9705577	NC_021166.1	Ca_kabuli_chr07	9705577	CC	TT	1940386291
SNP_P1_130560_9705592	NC_021166.1	Ca_kabuli_chr07	9705592	CC	TT	1940386293
SNP_P1_130561_9705617	NC_021166.1	Ca_kabuli_chr07	9705617	CC	GG	1940386295
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SNP_P1_130563_9706675	NC_021166.1	Ca_kabuli_chr07	9706675	CC	GG	1940386299
SNP_P1_130564_9706864	NC_021166.1	Ca_kabuli_chr07	9706864	AA	GG	1940386300

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130566_9707153	NC_021166.1	Ca_kabuli_chr07	9707153	AA	GG	1940386304
SNP_P1_130567_9707195	NC_021166.1	Ca_kabuli_chr07	9707195	AA	TT	1940386306
SNP_P1_130568_9707660	NC_021166.1	Ca_kabuli_chr07	9707660	CC	TT	1940386307
SNP_P1_130569_9707807	NC_021166.1	Ca_kabuli_chr07	9707807	TT	CC	1940386309
SNP_P1_130570_9707881	NC_021166.1	Ca_kabuli_chr07	9707881	AA	GG	1940386311
SNP_P1_130571_9708043	NC_021166.1	Ca_kabuli_chr07	9708043	CC	AA	1940386313
SNP_P1_130572_9708046	NC_021166.1	Ca_kabuli_chr07	9708046	AA	CC	1940386315
SNP_P1_130573_9708078	NC_021166.1	Ca_kabuli_chr07	9708078	CC	TT	1940386316
SNP_P1_130574_9708396	NC_021166.1	Ca_kabuli_chr07	9708396	GG	AA	1940386318
SNP_P1_130575_9708535	NC_021166.1	Ca_kabuli_chr07	9708535	AA	TT	1940386320
SNP_P1_130576_9708710	NC_021166.1	Ca_kabuli_chr07	9708710	AA	GG	1940386322
SNP_P1_130577_9708719	NC_021166.1	Ca_kabuli_chr07	9708719	AA	GG	1940386323
SNP_P1_130578_9708722	NC_021166.1	Ca_kabuli_chr07	9708722	CC	TT	1940386325
SNP_P1_130579_9708914	NC_021166.1	Ca_kabuli_chr07	9708914	TT	AA	1940386327
SNP_P1_130580_9709090	NC_021166.1	Ca_kabuli_chr07	9709090	AA	GG	1940386328
SNP_P1_130581_9710025	NC_021166.1	Ca_kabuli_chr07	9710025	AA	GG	1940386330
SNP_P1_130582_9710497	NC_021166.1	Ca_kabuli_chr07	9710497	TT	AA	1940386332
SNP_P1_130583_9710533	NC_021166.1	Ca_kabuli_chr07	9710533	TT	CC	1940386334
SNP_P1_130584_9710579	NC_021166.1	Ca_kabuli_chr07	9710579	GG	AA	1940386336
SNP_P1_130585_9710691	NC_021166.1	Ca_kabuli_chr07	9710691	CC	GG	1940386337
SNP_P1_130586_9710699	NC_021166.1	Ca_kabuli_chr07	9710699	AA	CC	1940386339
SNP_P1_130587_9710709	NC_021166.1	Ca_kabuli_chr07	9710709	GG	AA	1940386341
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SNP_P1_130589_9710791	NC_021166.1	Ca_kabuli_chr07	9710791	GG	AA	1940386345
SNP_P1_130592_9711110	NC_021166.1	Ca_kabuli_chr07	9711110	TT	CC	1940386346
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SNP_P1_130595_9712676	NC_021166.1	Ca_kabuli_chr07	9712676	GG	AA	1940386352
SNP_P1_130596_9713706	NC_021166.1	Ca_kabuli_chr07	9713706	TT	GG	1940386354
SNP_P1_130597_9713992	NC_021166.1	Ca_kabuli_chr07	9713992	GG	AA	1940386355
SNP_P1_130598_9713998	NC_021166.1	Ca_kabuli_chr07	9713998	GG	TT	1940386357
SNP_P1_130599_9714036	NC_021166.1	Ca_kabuli_chr07	9714036	CC	TT	1940386359
SNP_P1_130600_9714064	NC_021166.1	Ca_kabuli_chr07	9714064	CC	TT	1940386361
SNP_P1_130601_9714152	NC_021166.1	Ca_kabuli_chr07	9714152	GG	AA	1940386362
SNP_P1_130602_9714363	NC_021166.1	Ca_kabuli_chr07	9714363	CC	GG	1940386364
SNP_P1_130603_9714369	NC_021166.1	Ca_kabuli_chr07	9714369	CC	TT	1940386366
SNP_P1_130604_9714373	NC_021166.1	Ca_kabuli_chr07	9714373	GG	AA	1940386368
SNP_P1_130605_9714418	NC_021166.1	Ca_kabuli_chr07	9714418	TT	AA	1940386369
SNP_P1_130606_9714463	NC_021166.1	Ca_kabuli_chr07	9714463	AA	GG	1940386371
SNP_P1_130607_9714549	NC_021166.1	Ca_kabuli_chr07	9714549	GG	AA	1940386373
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130611_9715955	NC_021166.1	Ca_kabuli_chr07	9715955	GG	AA	1940386380
SNP_P1_130612_9715965	NC_021166.1	Ca_kabuli_chr07	9715965	CC	TT	1940386382
SNP_P1_130613_9716146	NC_021166.1	Ca_kabuli_chr07	9716146	AA	GG	1940386384
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SNP_P1_130616_9716210	NC_021166.1	Ca_kabuli_chr07	9716210	CC	TT	1940386387
SNP_P1_130617_9716244	NC_021166.1	Ca_kabuli_chr07	9716244	CC	AA	1940386389
SNP_P1_130618_9716409	NC_021166.1	Ca_kabuli_chr07	9716409	GG	AA	1940386391
SNP_P1_130619_9716414	NC_021166.1	Ca_kabuli_chr07	9716414	CC	TT	1940386392
SNP_P1_130620_9716420	NC_021166.1	Ca_kabuli_chr07	9716420	TT	CC	1940386394
SNP_P1_130621_9716459	NC_021166.1	Ca_kabuli_chr07	9716459	CC	TT	1940386396
SNP_P1_130622_9716470	NC_021166.1	Ca_kabuli_chr07	9716470	TT	GG	1940386398
SNP_P1_130623_9716474	NC_021166.1	Ca_kabuli_chr07	9716474	AA	GG	1940386399
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SNP_P1_130625_9717285	NC_021166.1	Ca_kabuli_chr07	9717285	CC	TT	1940386403
SNP_P1_130626_9717376	NC_021166.1	Ca_kabuli_chr07	9717376	TT	CC	1940386405
SNP_P1_130627_9717536	NC_021166.1	Ca_kabuli_chr07	9717536	TT	CC	1940386407
SNP_P1_130628_9717622	NC_021166.1	Ca_kabuli_chr07	9717622	AA	GG	1940386408
SNP_P1_130629_9717853	NC_021166.1	Ca_kabuli_chr07	9717853	AA	GG	1940386410
SNP_P1_130630_9719320	NC_021166.1	Ca_kabuli_chr07	9719320	GG	AA	1940386412
SNP_P1_130631_9719720	NC_021166.1	Ca_kabuli_chr07	9719720	GG	AA	1940386414
SNP_P1_130632_9722004	NC_021166.1	Ca_kabuli_chr07	9722004	AA	GG	1940386415
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SNP_P1_130634_9725370	NC_021166.1	Ca_kabuli_chr07	9725370	TT	AA	1940386419
SNP_P1_130635_9725387	NC_021166.1	Ca_kabuli_chr07	9725387	TT	CC	1940386421
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SNP_P1_130637_9725452	NC_021166.1	Ca_kabuli_chr07	9725452	TT	GG	1940386424
SNP_P1_130638_9725524	NC_021166.1	Ca_kabuli_chr07	9725524	TT	AA	1940386426
SNP_P1_130639_9725536	NC_021166.1	Ca_kabuli_chr07	9725536	GG	AA	1940386428
SNP_P1_130640_9725580	NC_021166.1	Ca_kabuli_chr07	9725580	AA	GG	1940386430
SNP_P1_130641_9725839	NC_021166.1	Ca_kabuli_chr07	9725839	AA	TT	1940386432
SNP_P1_130642_9725852	NC_021166.1	Ca_kabuli_chr07	9725852	GG	AA	1940386433
SNP_P1_130643_9725863	NC_021166.1	Ca_kabuli_chr07	9725863	GG	TT	1940386435
SNP_P1_130645_9726892	NC_021166.1	Ca_kabuli_chr07	9726892	CC	GG	1940386437
SNP_P1_130646_9727798	NC_021166.1	Ca_kabuli_chr07	9727798	AA	GG	1940386439
SNP_P1_130647_9727839	NC_021166.1	Ca_kabuli_chr07	9727839	TT	AA	1940386440
SNP_P1_130649_9728439	NC_021166.1	Ca_kabuli_chr07	9728439	AA	GG	1940386442
SNP_P1_130650_9728592	NC_021166.1	Ca_kabuli_chr07	9728592	TT	CC	1940386444
SNP_P1_130651_9728779	NC_021166.1	Ca_kabuli_chr07	9728779	GG	AA	1940386446
SNP_P1_130652_9728835	NC_021166.1	Ca_kabuli_chr07	9728835	TT	CC	1940386448
SNP_P1_130654_9733141	NC_021166.1	Ca_kabuli_chr07	9733141	AA	GG	1940386449

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130657_9733697	NC_021166.1	Ca_kabuli_chr07	9733697	GG	AA	1940386455
SNP_P1_130658_9733711	NC_021166.1	Ca_kabuli_chr07	9733711	CC	GG	1940386457
SNP_P1_130659_9733869	NC_021166.1	Ca_kabuli_chr07	9733869	GG	AA	1940386458
SNP_P1_130660_9734241	NC_021166.1	Ca_kabuli_chr07	9734241	CC	AA	1940386460
SNP_P1_130661_9734248	NC_021166.1	Ca_kabuli_chr07	9734248	AA	GG	1940386462
SNP_P1_130662_9734252	NC_021166.1	Ca_kabuli_chr07	9734252	AA	GG	1940386464
SNP_P1_130663_9734543	NC_021166.1	Ca_kabuli_chr07	9734543	GG	CC	1940386465
SNP_P1_130664_9734841	NC_021166.1	Ca_kabuli_chr07	9734841	CC	TT	1940386467
SNP_P1_130665_9734860	NC_021166.1	Ca_kabuli_chr07	9734860	TT	CC	1940386469
SNP_P1_130666_9735210	NC_021166.1	Ca_kabuli_chr07	9735210	CC	TT	1940386471
SNP_P1_130667_9735215	NC_021166.1	Ca_kabuli_chr07	9735215	CC	AA	1940386472
SNP_P1_130668_9735858	NC_021166.1	Ca_kabuli_chr07	9735858	GG	AA	1940386474
SNP_P1_130669_9735943	NC_021166.1	Ca_kabuli_chr07	9735943	CC	TT	1940386476
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SNP_P1_130672_9738613	NC_021166.1	Ca_kabuli_chr07	9738613	TT	GG	1940386481
SNP_P1_130673_9739332	NC_021166.1	Ca_kabuli_chr07	9739332	CC	TT	1940386483
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SNP_P1_130675_9741799	NC_021166.1	Ca_kabuli_chr07	9741799	GG	AA	1940386487
SNP_P1_130676_9742376	NC_021166.1	Ca_kabuli_chr07	9742376	AA	TT	1940386489
SNP_P1_130677_9742934	NC_021166.1	Ca_kabuli_chr07	9742934	GG	AA	1940386490
SNP_P1_130678_9744081	NC_021166.1	Ca_kabuli_chr07	9744081	CC	TT	1940386492
SNP_P1_130679_9744086	NC_021166.1	Ca_kabuli_chr07	9744086	AA	TT	1940386494
SNP_P1_130680_9744087	NC_021166.1	Ca_kabuli_chr07	9744087	GG	CC	1940386496
SNP_P1_130681_9744090	NC_021166.1	Ca_kabuli_chr07	9744090	CC	TT	1940386498
SNP_P1_130682_9745019	NC_021166.1	Ca_kabuli_chr07	9745019	AA	GG	1940386499
SNP_P1_130683_9745046	NC_021166.1	Ca_kabuli_chr07	9745046	TT	AA	1940386501
SNP_P1_130684_9745056	NC_021166.1	Ca_kabuli_chr07	9745056	CC	AA	1940386503
SNP_P1_130685_9745060	NC_021166.1	Ca_kabuli_chr07	9745060	GG	TT	1940386505
SNP_P1_130687_9745525	NC_021166.1	Ca_kabuli_chr07	9745525	TT	AA	1940386506
SNP_P1_130688_9745540	NC_021166.1	Ca_kabuli_chr07	9745540	GG	CC	1940386508
SNP_P1_130689_9745578	NC_021166.1	Ca_kabuli_chr07	9745578	AA	GG	1940386510
SNP_P1_130691_9746421	NC_021166.1	Ca_kabuli_chr07	9746421	TT	CC	1940386512
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SNP_P1_130694_9748603	NC_021166.1	Ca_kabuli_chr07	9748603	GG	CC	1940386517
SNP_P1_130695_9748607	NC_021166.1	Ca_kabuli_chr07	9748607	CC	TT	1940386519
SNP_P1_130696_9748659	NC_021166.1	Ca_kabuli_chr07	9748659	CC	TT	1940386520
SNP_P1_130697_9748721	NC_021166.1	Ca_kabuli_chr07	9748721	CC	GG	1940386522
SNP_P1_130698_9748851	NC_021166.1	Ca_kabuli_chr07	9748851	TT	CC	1940386524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130701_9749958	NC_021166.1	Ca_kabuli_chr07	9749958	TT	GG	1940386529
SNP_P1_130702_9749961	NC_021166.1	Ca_kabuli_chr07	9749961	CC	TT	1940386531
SNP_P1_130703_9749968	NC_021166.1	Ca_kabuli_chr07	9749968	TT	AA	1940386533
SNP_P1_130704_9749981	NC_021166.1	Ca_kabuli_chr07	9749981	AA	CC	1940386535
SNP_P1_130705_9749989	NC_021166.1	Ca_kabuli_chr07	9749989	TT	CC	1940386536
SNP_P1_130706_9750598	NC_021166.1	Ca_kabuli_chr07	9750598	TT	AA	1940386538
SNP_P1_130707_9751034	NC_021166.1	Ca_kabuli_chr07	9751034	GG	AA	1940386540
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SNP_P1_130710_9751452	NC_021166.1	Ca_kabuli_chr07	9751452	AA	TT	1940386545
SNP_P1_130711_9751824	NC_021166.1	Ca_kabuli_chr07	9751824	GG	TT	1940386547
SNP_P1_130712_9751831	NC_021166.1	Ca_kabuli_chr07	9751831	TT	CC	1940386549
SNP_P1_130713_9752096	NC_021166.1	Ca_kabuli_chr07	9752096	AA	TT	1940386551
SNP_P1_130714_9752436	NC_021166.1	Ca_kabuli_chr07	9752436	TT	CC	1940386552
SNP_P1_130715_9753510	NC_021166.1	Ca_kabuli_chr07	9753510	AA	GG	1940386554
SNP_P1_130718_9753788	NC_021166.1	Ca_kabuli_chr07	9753788	GG	AA	1940386556
SNP_P1_130719_9754000	NC_021166.1	Ca_kabuli_chr07	9754000	GG	AA	1940386558
SNP_P1_130720_9754291	NC_021166.1	Ca_kabuli_chr07	9754291	AA	GG	1940386559
SNP_P1_130721_9754369	NC_021166.1	Ca_kabuli_chr07	9754369	CC	AA	1940386561
SNP_P1_130722_9754375	NC_021166.1	Ca_kabuli_chr07	9754375	CC	TT	1940386563
SNP_P1_130723_9755222	NC_021166.1	Ca_kabuli_chr07	9755222	GG	AA	1940386564
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SNP_P1_130732_9756557	NC_021166.1	Ca_kabuli_chr07	9756557	CC	AA	1940386577
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SNP_P1_130743_9763855	NC_021166.1	Ca_kabuli_chr07	9763855	GG	AA	1940386593
SNP_P1_130744_9763885	NC_021166.1	Ca_kabuli_chr07	9763885	CC	TT	1940386595
SNP_P1_130745_9764252	NC_021166.1	Ca_kabuli_chr07	9764252	GG	AA	1940386597
SNP_P1_130746_9764265	NC_021166.1	Ca_kabuli_chr07	9764265	AA	GG	1940386598

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130752_9770052	NC_021166.1	Ca_kabuli_chr07	9770052	AA	GG	1940386605
SNP_P1_130753_9770857	NC_021166.1	Ca_kabuli_chr07	9770857	CC	TT	1940386607
SNP_P1_130754_9771277	NC_021166.1	Ca_kabuli_chr07	9771277	AA	CC	1940386609
SNP_P1_130756_9771639	NC_021166.1	Ca_kabuli_chr07	9771639	AA	GG	1940386611
SNP_P1_130757_9771977	NC_021166.1	Ca_kabuli_chr07	9771977	TT	AA	1940386613
SNP_P1_130758_9771999	NC_021166.1	Ca_kabuli_chr07	9771999	AA	GG	1940386614
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SNP_P1_130761_9773390	NC_021166.1	Ca_kabuli_chr07	9773390	AA	GG	1940386618
SNP_P1_130762_9774219	NC_021166.1	Ca_kabuli_chr07	9774219	TT	CC	1940386620
SNP_P1_130764_9774689	NC_021166.1	Ca_kabuli_chr07	9774689	CC	TT	1940386621
SNP_P1_130765_9775450	NC_021166.1	Ca_kabuli_chr07	9775450	CC	AA	1940386623
SNP_P1_130766_9776133	NC_021166.1	Ca_kabuli_chr07	9776133	AA	GG	1940386625
SNP_P1_130767_9776135	NC_021166.1	Ca_kabuli_chr07	9776135	AA	GG	1940386627
SNP_P1_130768_9798706	NC_021166.1	Ca_kabuli_chr07	9798706	CC	AA	1940386628
SNP_P1_130769_9798833	NC_021166.1	Ca_kabuli_chr07	9798833	CC	TT	1940386630
SNP_P1_130770_9799093	NC_021166.1	Ca_kabuli_chr07	9799093	GG	AA	1940386632
SNP_P1_130771_9799181	NC_021166.1	Ca_kabuli_chr07	9799181	TT	CC	1940386634
SNP_P1_130772_9799186	NC_021166.1	Ca_kabuli_chr07	9799186	GG	AA	1940386635
SNP_P1_130773_9800456	NC_021166.1	Ca_kabuli_chr07	9800456	GG	AA	1940386637
SNP_P1_130774_9800647	NC_021166.1	Ca_kabuli_chr07	9800647	TT	CC	1940386639
SNP_P1_130775_9800771	NC_021166.1	Ca_kabuli_chr07	9800771	TT	CC	1940386641
SNP_P1_130776_9801063	NC_021166.1	Ca_kabuli_chr07	9801063	TT	AA	1940386642
SNP_P1_130777_9801682	NC_021166.1	Ca_kabuli_chr07	9801682	CC	TT	1940386644
SNP_P1_130778_9801974	NC_021166.1	Ca_kabuli_chr07	9801974	GG	TT	1940386646
SNP_P1_130779_9802508	NC_021166.1	Ca_kabuli_chr07	9802508	AA	GG	1940386648
SNP_P1_130780_9802713	NC_021166.1	Ca_kabuli_chr07	9802713	AA	CC	1940386649
SNP_P1_130781_9802791	NC_021166.1	Ca_kabuli_chr07	9802791	TT	CC	1940386651
SNP_P1_130782_9802803	NC_021166.1	Ca_kabuli_chr07	9802803	GG	AA	1940386653
SNP_P1_130783_9802804	NC_021166.1	Ca_kabuli_chr07	9802804	CC	TT	1940386655
SNP_P1_130784_9802827	NC_021166.1	Ca_kabuli_chr07	9802827	CC	TT	1940386657
SNP_P1_130785_9802849	NC_021166.1	Ca_kabuli_chr07	9802849	TT	GG	1940386658
SNP_P1_130786_9805833	NC_021166.1	Ca_kabuli_chr07	9805833	GG	TT	1940386660
SNP_P1_130787_9805839	NC_021166.1	Ca_kabuli_chr07	9805839	TT	AA	1940386662
SNP_P1_130788_9805853	NC_021166.1	Ca_kabuli_chr07	9805853	AA	GG	1940386664
SNP_P1_130789_9805854	NC_021166.1	Ca_kabuli_chr07	9805854	GG	AA	1940386666
SNP_P1_130790_9806063	NC_021166.1	Ca_kabuli_chr07	9806063	GG	AA	1940386667
SNP_P1_130791_9806070	NC_021166.1	Ca_kabuli_chr07	9806070	GG	AA	1940386669
SNP_P1_130792_9806075	NC_021166.1	Ca_kabuli_chr07	9806075	GG	AA	1940386671
SNP_P1_130793_9806078	NC_021166.1	Ca_kabuli_chr07	9806078	GG	AA	1940386673

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SNP_P1_130795_9807199	NC_021166.1	Ca_kabuli_chr07	9807199	GG	AA	1940386676
SNP_P1_130797_9807448	NC_021166.1	Ca_kabuli_chr07	9807448	TT	AA	1940386678
SNP_P1_130799_9807577	NC_021166.1	Ca_kabuli_chr07	9807577	AA	CC	1940386680
SNP_P1_130800_9807590	NC_021166.1	Ca_kabuli_chr07	9807590	TT	CC	1940386682
SNP_P1_130801_9807632	NC_021166.1	Ca_kabuli_chr07	9807632	CC	TT	1940386683
SNP_P1_130802_9808328	NC_021166.1	Ca_kabuli_chr07	9808328	GG	AA	1940386685
SNP_P1_130803_9808631	NC_021166.1	Ca_kabuli_chr07	9808631	AA	GG	1940386687
SNP_P1_130805_9808727	NC_021166.1	Ca_kabuli_chr07	9808727	TT	AA	1940386689
SNP_P1_130806_9808954	NC_021166.1	Ca_kabuli_chr07	9808954	AA	GG	1940386690
SNP_P1_130807_9808964	NC_021166.1	Ca_kabuli_chr07	9808964	TT	AA	1940386692
SNP_P1_130808_9808976	NC_021166.1	Ca_kabuli_chr07	9808976	GG	TT	1940386694
SNP_P1_130809_9809796	NC_021166.1	Ca_kabuli_chr07	9809796	CC	GG	1940386696
SNP_P1_130810_9809832	NC_021166.1	Ca_kabuli_chr07	9809832	CC	GG	1940386698
SNP_P1_130811_9809893	NC_021166.1	Ca_kabuli_chr07	9809893	GG	TT	1940386699
SNP_P1_130812_9809953	NC_021166.1	Ca_kabuli_chr07	9809953	TT	CC	1940386701
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SNP_P1_130814_9812015	NC_021166.1	Ca_kabuli_chr07	9812015	AA	CC	1940386705
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SNP_P1_130818_9813619	NC_021166.1	Ca_kabuli_chr07	9813619	CC	TT	1940386710
SNP_P1_130819_9813895	NC_021166.1	Ca_kabuli_chr07	9813895	AA	GG	1940386712
SNP_P1_130821_9814152	NC_021166.1	Ca_kabuli_chr07	9814152	GG	AA	1940386714
SNP_P1_130822_9814278	NC_021166.1	Ca_kabuli_chr07	9814278	TT	GG	1940386715
SNP_P1_130824_9814499	NC_021166.1	Ca_kabuli_chr07	9814499	CC	GG	1940386717
SNP_P1_130825_9814578	NC_021166.1	Ca_kabuli_chr07	9814578	AA	GG	1940386719
SNP_P1_130826_9814636	NC_021166.1	Ca_kabuli_chr07	9814636	CC	TT	1940386721
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SNP_P1_130828_9814739	NC_021166.1	Ca_kabuli_chr07	9814739	CC	TT	1940386724
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SNP_P1_130831_9814999	NC_021166.1	Ca_kabuli_chr07	9814999	CC	GG	1940386728
SNP_P1_130833_9815772	NC_021166.1	Ca_kabuli_chr07	9815772	CC	AA	1940386730
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SNP_P1_130835_9815937	NC_021166.1	Ca_kabuli_chr07	9815937	AA	CC	1940386733
SNP_P1_130836_9815941	NC_021166.1	Ca_kabuli_chr07	9815941	AA	GG	1940386735
SNP_P1_130837_9818079	NC_021166.1	Ca_kabuli_chr07	9818079	AA	GG	1940386736
SNP_P1_130838_9818125	NC_021166.1	Ca_kabuli_chr07	9818125	AA	GG	1940386738
SNP_P1_130839_9818128	NC_021166.1	Ca_kabuli_chr07	9818128	TT	CC	1940386740
SNP_P1_130840_9818235	NC_021166.1	Ca_kabuli_chr07	9818235	AA	GG	1940386742
SNP_P1_130841_9818246	NC_021166.1	Ca_kabuli_chr07	9818246	AA	GG	1940386743
SNP_P1_130842_9818288	NC_021166.1	Ca_kabuli_chr07	9818288	AA	GG	1940386745
SNP_P1_130843_9818349	NC_021166.1	Ca_kabuli_chr07	9818349	AA	GG	1940386747

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130850_9822676	NC_021166.1	Ca_kabuli_chr07	9822676	AA	TT	1940386752
SNP_P1_130854_9824491	NC_021166.1	Ca_kabuli_chr07	9824491	AA	GG	1940386754
SNP_P1_130856_9826139	NC_021166.1	Ca_kabuli_chr07	9826139	CC	TT	1940386756
SNP_P1_130857_9826340	NC_021166.1	Ca_kabuli_chr07	9826340	TT	GG	1940386758
SNP_P1_130858_9826450	NC_021166.1	Ca_kabuli_chr07	9826450	CC	TT	1940386759
SNP_P1_130859_9829288	NC_021166.1	Ca_kabuli_chr07	9829288	CC	GG	1940386761
SNP_P1_130860_9829323	NC_021166.1	Ca_kabuli_chr07	9829323	GG	TT	1940386763
SNP_P1_130861_9831452	NC_021166.1	Ca_kabuli_chr07	9831452	TT	CC	1940386765
SNP_P1_130862_9831454	NC_021166.1	Ca_kabuli_chr07	9831454	TT	AA	1940386767
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SNP_P1_130864_9833743	NC_021166.1	Ca_kabuli_chr07	9833743	GG	AA	1940386770
SNP_P1_130865_9841401	NC_021166.1	Ca_kabuli_chr07	9841401	TT	GG	1940386772
SNP_P1_130866_9843359	NC_021166.1	Ca_kabuli_chr07	9843359	GG	AA	1940386774
SNP_P1_130867_9843378	NC_021166.1	Ca_kabuli_chr07	9843378	GG	AA	1940386775
SNP_P1_130869_9843776	NC_021166.1	Ca_kabuli_chr07	9843776	GG	AA	1940386777
SNP_P1_130872_9843909	NC_021166.1	Ca_kabuli_chr07	9843909	TT	AA	1940386779
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SNP_P1_130881_9845369	NC_021166.1	Ca_kabuli_chr07	9845369	TT	GG	1940386788
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SNP_P1_130890_9858218	NC_021166.1	Ca_kabuli_chr07	9858218	CC	AA	1940386802
SNP_P1_130891_9858486	NC_021166.1	Ca_kabuli_chr07	9858486	TT	CC	1940386803
SNP_P1_130892_9858512	NC_021166.1	Ca_kabuli_chr07	9858512	TT	CC	1940386805
SNP_P1_130894_9859004	NC_021166.1	Ca_kabuli_chr07	9859004	GG	AA	1940386807
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SNP_P1_130902_9863929	NC_021166.1	Ca_kabuli_chr07	9863929	GG	AA	1940386821

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130905_9863962	NC_021166.1	Ca_kabuli_chr07	9863962	AA	GG	1940386827
SNP_P1_130906_9864867	NC_021166.1	Ca_kabuli_chr07	9864867	AA	GG	1940386829
SNP_P1_130907_9864950	NC_021166.1	Ca_kabuli_chr07	9864950	CC	AA	1940386830
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SNP_P1_130910_9865006	NC_021166.1	Ca_kabuli_chr07	9865006	AA	GG	1940386836
SNP_P1_130911_9865140	NC_021166.1	Ca_kabuli_chr07	9865140	AA	TT	1940386837
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SNP_P1_130913_9865161	NC_021166.1	Ca_kabuli_chr07	9865161	CC	TT	1940386841
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SNP_P1_130916_9865494	NC_021166.1	Ca_kabuli_chr07	9865494	CC	TT	1940386844
SNP_P1_130917_9866638	NC_021166.1	Ca_kabuli_chr07	9866638	AA	GG	1940386846
SNP_P1_130918_9866639	NC_021166.1	Ca_kabuli_chr07	9866639	TT	CC	1940386848
SNP_P1_130919_9867167	NC_021166.1	Ca_kabuli_chr07	9867167	TT	CC	1940386850
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SNP_P1_130924_9868735	NC_021166.1	Ca_kabuli_chr07	9868735	TT	CC	1940386855
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SNP_P1_130937_9879863	NC_021166.1	Ca_kabuli_chr07	9879863	AA	GG	1940386878
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SNP_P1_130945_9880767	NC_021166.1	Ca_kabuli_chr07	9880767	TT	CC	1940386892
SNP_P1_130946_9880807	NC_021166.1	Ca_kabuli_chr07	9880807	CC	AA	1940386894
SNP_P1_130947_9880808	NC_021166.1	Ca_kabuli_chr07	9880808	TT	AA	1940386896

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130953_9884154	NC_021166.1	Ca_kabuli_chr07	9884154	CC	TT	1940386903
SNP_P1_130954_9884410	NC_021166.1	Ca_kabuli_chr07	9884410	CC	TT	1940386905
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SNP_P1_130960_9885886	NC_021166.1	Ca_kabuli_chr07	9885886	CC	TT	1940386915
SNP_P1_130961_9886123	NC_021166.1	Ca_kabuli_chr07	9886123	GG	AA	1940386917
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SNP_P1_130967_9889378	NC_021166.1	Ca_kabuli_chr07	9889378	GG	TT	1940386926
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SNP_P1_130973_9892267	NC_021166.1	Ca_kabuli_chr07	9892267	TT	CC	1940386937
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SNP_P1_130977_9897621	NC_021166.1	Ca_kabuli_chr07	9897621	TT	GG	1940386944
SNP_P1_130978_9897623	NC_021166.1	Ca_kabuli_chr07	9897623	GG	AA	1940386946
SNP_P1_130979_9897946	NC_021166.1	Ca_kabuli_chr07	9897946	AA	GG	1940386947
SNP_P1_130980_9897960	NC_021166.1	Ca_kabuli_chr07	9897960	CC	TT	1940386949
SNP_P1_130981_9897969	NC_021166.1	Ca_kabuli_chr07	9897969	CC	TT	1940386951
SNP_P1_130982_9898425	NC_021166.1	Ca_kabuli_chr07	9898425	GG	TT	1940386953
SNP_P1_130983_9898768	NC_021166.1	Ca_kabuli_chr07	9898768	TT	AA	1940386954
SNP_P1_130984_9899348	NC_021166.1	Ca_kabuli_chr07	9899348	CC	TT	1940386956
SNP_P1_130985_9900148	NC_021166.1	Ca_kabuli_chr07	9900148	TT	CC	1940386958
SNP_P1_130986_9900435	NC_021166.1	Ca_kabuli_chr07	9900435	GG	AA	1940386960
SNP_P1_130987_9901222	NC_021166.1	Ca_kabuli_chr07	9901222	TT	AA	1940386961
SNP_P1_130988_9901894	NC_021166.1	Ca_kabuli_chr07	9901894	GG	CC	1940386963
SNP_P1_130989_9903446	NC_021166.1	Ca_kabuli_chr07	9903446	TT	GG	1940386965
SNP_P1_130990_9904504	NC_021166.1	Ca_kabuli_chr07	9904504	CC	TT	1940386967
SNP_P1_130991_9905354	NC_021166.1	Ca_kabuli_chr07	9905354	GG	AA	1940386969
SNP_P1_130992_9908383	NC_021166.1	Ca_kabuli_chr07	9908383	TT	CC	1940386970

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_130994_9908394	NC_021166.1	Ca_kabuli_chr07	9908394	GG	AA	1940386974
SNP_P1_130995_9908399	NC_021166.1	Ca_kabuli_chr07	9908399	CC	AA	1940386976
SNP_P1_130996_9908415	NC_021166.1	Ca_kabuli_chr07	9908415	GG	AA	1940386978
SNP_P1_130997_9908419	NC_021166.1	Ca_kabuli_chr07	9908419	CC	TT	1940386979
SNP_P1_130998_9908439	NC_021166.1	Ca_kabuli_chr07	9908439	AA	GG	1940386981
SNP_P1_130999_9908698	NC_021166.1	Ca_kabuli_chr07	9908698	GG	AA	1940386983
SNP_P1_131000_9908768	NC_021166.1	Ca_kabuli_chr07	9908768	AA	CC	1940386985
SNP_P1_131001_9908773	NC_021166.1	Ca_kabuli_chr07	9908773	CC	TT	1940386986
SNP_P1_131002_9908774	NC_021166.1	Ca_kabuli_chr07	9908774	AA	GG	1940386988
SNP_P1_131003_9908994	NC_021166.1	Ca_kabuli_chr07	9908994	TT	AA	1940386990
SNP_P1_131004_9909003	NC_021166.1	Ca_kabuli_chr07	9909003	TT	CC	1940386992
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SNP_P1_131006_9909061	NC_021166.1	Ca_kabuli_chr07	9909061	TT	AA	1940386995
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SNP_P1_131009_9915833	NC_021166.1	Ca_kabuli_chr07	9915833	AA	TT	1940387000
SNP_P1_131010_9915898	NC_021166.1	Ca_kabuli_chr07	9915898	TT	CC	1940387002
SNP_P1_131011_9915972	NC_021166.1	Ca_kabuli_chr07	9915972	TT	CC	1940387004
SNP_P1_131012_9915987	NC_021166.1	Ca_kabuli_chr07	9915987	CC	TT	1940387006
SNP_P1_131013_9916088	NC_021166.1	Ca_kabuli_chr07	9916088	CC	TT	1940387007
SNP_P1_131014_9916185	NC_021166.1	Ca_kabuli_chr07	9916185	CC	TT	1940387009
SNP_P1_131015_9916187	NC_021166.1	Ca_kabuli_chr07	9916187	TT	GG	1940387011
SNP_P1_131016_9916201	NC_021166.1	Ca_kabuli_chr07	9916201	CC	AA	1940387013
SNP_P1_131017_9916438	NC_021166.1	Ca_kabuli_chr07	9916438	GG	AA	1940387015
SNP_P1_131018_9916463	NC_021166.1	Ca_kabuli_chr07	9916463	TT	GG	1940387016
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SNP_P1_131022_9916680	NC_021166.1	Ca_kabuli_chr07	9916680	CC	TT	1940387023
SNP_P1_131023_9916699	NC_021166.1	Ca_kabuli_chr07	9916699	TT	CC	1940387025
SNP_P1_131024_9916701	NC_021166.1	Ca_kabuli_chr07	9916701	GG	AA	1940387027
SNP_P1_131025_9916980	NC_021166.1	Ca_kabuli_chr07	9916980	TT	CC	1940387029
SNP_P1_131026_9917052	NC_021166.1	Ca_kabuli_chr07	9917052	GG	CC	1940387031
SNP_P1_131027_9917057	NC_021166.1	Ca_kabuli_chr07	9917057	AA	GG	1940387032
SNP_P1_131028_9917061	NC_021166.1	Ca_kabuli_chr07	9917061	TT	CC	1940387034
SNP_P1_131029_9917117	NC_021166.1	Ca_kabuli_chr07	9917117	CC	TT	1940387036
SNP_P1_131030_9917285	NC_021166.1	Ca_kabuli_chr07	9917285	TT	CC	1940387038
SNP_P1_131031_9917307	NC_021166.1	Ca_kabuli_chr07	9917307	CC	AA	1940387039
SNP_P1_131032_9917337	NC_021166.1	Ca_kabuli_chr07	9917337	AA	CC	1940387041
SNP_P1_131033_9917350	NC_021166.1	Ca_kabuli_chr07	9917350	TT	CC	1940387043
SNP_P1_131034_9917351	NC_021166.1	Ca_kabuli_chr07	9917351	GG	AA	1940387045

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131036_9917388	NC_021166.1	Ca_kabuli_chr07	9917388	GG	AA	1940387048
SNP_P1_131037_9917397	NC_021166.1	Ca_kabuli_chr07	9917397	AA	CC	1940387050
SNP_P1_131038_9917430	NC_021166.1	Ca_kabuli_chr07	9917430	TT	GG	1940387052
SNP_P1_131039_9917434	NC_021166.1	Ca_kabuli_chr07	9917434	TT	CC	1940387053
SNP_P1_131040_9918111	NC_021166.1	Ca_kabuli_chr07	9918111	GG	AA	1940387055
SNP_P1_131041_9918137	NC_021166.1	Ca_kabuli_chr07	9918137	AA	CC	1940387057
SNP_P1_131042_9918783	NC_021166.1	Ca_kabuli_chr07	9918783	TT	CC	1940387059
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SNP_P1_131044_9918810	NC_021166.1	Ca_kabuli_chr07	9918810	TT	GG	1940387062
SNP_P1_131045_9918847	NC_021166.1	Ca_kabuli_chr07	9918847	AA	GG	1940387064
SNP_P1_131046_9918989	NC_021166.1	Ca_kabuli_chr07	9918989	CC	AA	1940387066
SNP_P1_131047_9919005	NC_021166.1	Ca_kabuli_chr07	9919005	TT	CC	1940387068
SNP_P1_131048_9919018	NC_021166.1	Ca_kabuli_chr07	9919018	TT	CC	1940387069
SNP_P1_131049_9919075	NC_021166.1	Ca_kabuli_chr07	9919075	GG	AA	1940387071
SNP_P1_131050_9919119	NC_021166.1	Ca_kabuli_chr07	9919119	CC	TT	1940387073
SNP_P1_131051_9919128	NC_021166.1	Ca_kabuli_chr07	9919128	TT	CC	1940387075
SNP_P1_131052_9919135	NC_021166.1	Ca_kabuli_chr07	9919135	GG	AA	1940387076
SNP_P1_131053_9919145	NC_021166.1	Ca_kabuli_chr07	9919145	TT	CC	1940387078
SNP_P1_131054_9919385	NC_021166.1	Ca_kabuli_chr07	9919385	GG	TT	1940387080
SNP_P1_131055_9919399	NC_021166.1	Ca_kabuli_chr07	9919399	AA	CC	1940387082
SNP_P1_131056_9919476	NC_021166.1	Ca_kabuli_chr07	9919476	CC	TT	1940387083
SNP_P1_131057_9919559	NC_021166.1	Ca_kabuli_chr07	9919559	CC	AA	1940387085
SNP_P1_131058_9919677	NC_021166.1	Ca_kabuli_chr07	9919677	GG	TT	1940387087
SNP_P1_131059_9919679	NC_021166.1	Ca_kabuli_chr07	9919679	AA	TT	1940387089
SNP_P1_131060_9919744	NC_021166.1	Ca_kabuli_chr07	9919744	AA	GG	1940387091
SNP_P1_131061_9919818	NC_021166.1	Ca_kabuli_chr07	9919818	TT	CC	1940387092
SNP_P1_131062_9920676	NC_021166.1	Ca_kabuli_chr07	9920676	CC	AA	1940387094
SNP_P1_131063_9921176	NC_021166.1	Ca_kabuli_chr07	9921176	CC	TT	1940387096
SNP_P1_131064_9921237	NC_021166.1	Ca_kabuli_chr07	9921237	CC	TT	1940387098
SNP_P1_131065_9921243	NC_021166.1	Ca_kabuli_chr07	9921243	GG	AA	1940387099
SNP_P1_131066_9921261	NC_021166.1	Ca_kabuli_chr07	9921261	GG	AA	1940387101
SNP_P1_131067_9921270	NC_021166.1	Ca_kabuli_chr07	9921270	CC	TT	1940387103
SNP_P1_131068_9921274	NC_021166.1	Ca_kabuli_chr07	9921274	TT	CC	1940387105
SNP_P1_131069_9921279	NC_021166.1	Ca_kabuli_chr07	9921279	GG	AA	1940387106
SNP_P1_131070_9921287	NC_021166.1	Ca_kabuli_chr07	9921287	CC	TT	1940387108
SNP_P1_131071_9921329	NC_021166.1	Ca_kabuli_chr07	9921329	CC	TT	1940387110
SNP_P1_131073_9921546	NC_021166.1	Ca_kabuli_chr07	9921546	AA	GG	1940387112
SNP_P1_131074_9921602	NC_021166.1	Ca_kabuli_chr07	9921602	GG	AA	1940387114
SNP_P1_131075_9921720	NC_021166.1	Ca_kabuli_chr07	9921720	AA	GG	1940387115
SNP_P1_131076_9921760	NC_021166.1	Ca_kabuli_chr07	9921760	CC	TT	1940387117
SNP_P1_131077_9921818	NC_021166.1	Ca_kabuli_chr07	9921818	CC	TT	1940387119

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131081_9925819	NC_021166.1	Ca_kabuli_chr07	9925819	CC	AA	1940387124
SNP_P1_131082_9925866	NC_021166.1	Ca_kabuli_chr07	9925866	TT	GG	1940387126
SNP_P1_131083_9925881	NC_021166.1	Ca_kabuli_chr07	9925881	AA	GG	1940387128
SNP_P1_131084_9925979	NC_021166.1	Ca_kabuli_chr07	9925979	AA	TT	1940387130
SNP_P1_131085_9926415	NC_021166.1	Ca_kabuli_chr07	9926415	CC	TT	1940387131
SNP_P1_131086_9926730	NC_021166.1	Ca_kabuli_chr07	9926730	AA	TT	1940387133
SNP_P1_131087_9926738	NC_021166.1	Ca_kabuli_chr07	9926738	GG	AA	1940387135
SNP_P1_131090_9927452	NC_021166.1	Ca_kabuli_chr07	9927452	TT	GG	1940387137
SNP_P1_131091_9927453	NC_021166.1	Ca_kabuli_chr07	9927453	TT	GG	1940387138
SNP_P1_131092_9928721	NC_021166.1	Ca_kabuli_chr07	9928721	TT	CC	1940387140
SNP_P1_131094_9929105	NC_021166.1	Ca_kabuli_chr07	9929105	TT	CC	1940387142
SNP_P1_131095_9929338	NC_021166.1	Ca_kabuli_chr07	9929338	GG	CC	1940387144
SNP_P1_131096_9929388	NC_021166.1	Ca_kabuli_chr07	9929388	CC	TT	1940387145
SNP_P1_131097_9929993	NC_021166.1	Ca_kabuli_chr07	9929993	CC	AA	1940387147
SNP_P1_131098_9936172	NC_021166.1	Ca_kabuli_chr07	9936172	TT	CC	1940387149
SNP_P1_131101_9941843	NC_021166.1	Ca_kabuli_chr07	9941843	AA	GG	1940387151
SNP_P1_131102_9941922	NC_021166.1	Ca_kabuli_chr07	9941922	AA	TT	1940387152
SNP_P1_131103_9942026	NC_021166.1	Ca_kabuli_chr07	9942026	TT	CC	1940387154
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SNP_P1_131108_9943719	NC_021166.1	Ca_kabuli_chr07	9943719	CC	TT	1940387163
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SNP_P1_131111_9944402	NC_021166.1	Ca_kabuli_chr07	9944402	GG	AA	1940387168
SNP_P1_131112_9944445	NC_021166.1	Ca_kabuli_chr07	9944445	TT	GG	1940387170
SNP_P1_131113_9944640	NC_021166.1	Ca_kabuli_chr07	9944640	AA	GG	1940387172
SNP_P1_131114_9944660	NC_021166.1	Ca_kabuli_chr07	9944660	GG	CC	1940387174
SNP_P1_131115_9944667	NC_021166.1	Ca_kabuli_chr07	9944667	GG	AA	1940387175
SNP_P1_131116_9945472	NC_021166.1	Ca_kabuli_chr07	9945472	TT	CC	1940387177
SNP_P1_131117_9945476	NC_021166.1	Ca_kabuli_chr07	9945476	CC	TT	1940387179
SNP_P1_131119_9945547	NC_021166.1	Ca_kabuli_chr07	9945547	AA	GG	1940387181
SNP_P1_131120_9945587	NC_021166.1	Ca_kabuli_chr07	9945587	GG	AA	1940387183
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SNP_P1_131122_9945834	NC_021166.1	Ca_kabuli_chr07	9945834	GG	TT	1940387186
SNP_P1_131123_9946037	NC_021166.1	Ca_kabuli_chr07	9946037	TT	CC	1940387188
SNP_P1_131124_9947405	NC_021166.1	Ca_kabuli_chr07	9947405	AA	GG	1940387190
SNP_P1_131125_9947916	NC_021166.1	Ca_kabuli_chr07	9947916	AA	CC	1940387191
SNP_P1_131126_9948099	NC_021166.1	Ca_kabuli_chr07	9948099	TT	GG	1940387193

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131129_9948588	NC_021166.1	Ca_kabuli_chr07	9948588	AA	GG	1940387198
SNP_P1_131130_9948613	NC_021166.1	Ca_kabuli_chr07	9948613	TT	CC	1940387200
SNP_P1_131132_9948809	NC_021166.1	Ca_kabuli_chr07	9948809	GG	AA	1940387202
SNP_P1_131133_9948959	NC_021166.1	Ca_kabuli_chr07	9948959	TT	CC	1940387204
SNP_P1_131134_9949046	NC_021166.1	Ca_kabuli_chr07	9949046	CC	AA	1940387205
SNP_P1_131135_9949083	NC_021166.1	Ca_kabuli_chr07	9949083	GG	AA	1940387207
SNP_P1_131136_9951007	NC_021166.1	Ca_kabuli_chr07	9951007	AA	CC	1940387209
SNP_P1_131137_9951016	NC_021166.1	Ca_kabuli_chr07	9951016	AA	GG	1940387211
SNP_P1_131138_9951178	NC_021166.1	Ca_kabuli_chr07	9951178	GG	TT	1940387213
SNP_P1_131140_9951410	NC_021166.1	Ca_kabuli_chr07	9951410	GG	AA	1940387214
SNP_P1_131141_9951643	NC_021166.1	Ca_kabuli_chr07	9951643	GG	AA	1940387216
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SNP_P1_131144_9951837	NC_021166.1	Ca_kabuli_chr07	9951837	GG	AA	1940387220
SNP_P1_131145_9952911	NC_021166.1	Ca_kabuli_chr07	9952911	CC	TT	1940387221
SNP_P1_131146_9953137	NC_021166.1	Ca_kabuli_chr07	9953137	TT	AA	1940387223
SNP_P1_131147_9953435	NC_021166.1	Ca_kabuli_chr07	9953435	AA	CC	1940387225
SNP_P1_131148_9953694	NC_021166.1	Ca_kabuli_chr07	9953694	CC	TT	1940387227
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SNP_P1_131151_9953764	NC_021166.1	Ca_kabuli_chr07	9953764	CC	AA	1940387232
SNP_P1_131152_9954074	NC_021166.1	Ca_kabuli_chr07	9954074	TT	CC	1940387234
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SNP_P1_131159_9954642	NC_021166.1	Ca_kabuli_chr07	9954642	AA	GG	1940387246
SNP_P1_131160_9954670	NC_021166.1	Ca_kabuli_chr07	9954670	CC	TT	1940387248
SNP_P1_131161_9954824	NC_021166.1	Ca_kabuli_chr07	9954824	CC	TT	1940387250
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SNP_P1_131167_9956012	NC_021166.1	Ca_kabuli_chr07	9956012	GG	AA	1940387255
SNP_P1_131168_9956042	NC_021166.1	Ca_kabuli_chr07	9956042	CC	TT	1940387257
SNP_P1_131169_9957293	NC_021166.1	Ca_kabuli_chr07	9957293	AA	GG	1940387258
SNP_P1_131171_9958239	NC_021166.1	Ca_kabuli_chr07	9958239	AA	GG	1940387260
SNP_P1_131172_9958667	NC_021166.1	Ca_kabuli_chr07	9958667	AA	GG	1940387262
SNP_P1_131173_9959096	NC_021166.1	Ca_kabuli_chr07	9959096	TT	AA	1940387264
SNP_P1_131174_9959245	NC_021166.1	Ca_kabuli_chr07	9959245	CC	TT	1940387265
SNP_P1_131175_9959279	NC_021166.1	Ca_kabuli_chr07	9959279	TT	GG	1940387267

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131178_9960074	NC_021166.1	Ca_kabuli_chr07	9960074	AA	CC	1940387273
SNP_P1_131180_9962978	NC_021166.1	Ca_kabuli_chr07	9962978	TT	CC	1940387274
SNP_P1_131181_9963206	NC_021166.1	Ca_kabuli_chr07	9963206	AA	GG	1940387276
SNP_P1_131182_9964085	NC_021166.1	Ca_kabuli_chr07	9964085	TT	CC	1940387278
SNP_P1_131183_9964992	NC_021166.1	Ca_kabuli_chr07	9964992	GG	TT	1940387280
SNP_P1_131184_9965014	NC_021166.1	Ca_kabuli_chr07	9965014	AA	GG	1940387281
SNP_P1_131185_9965119	NC_021166.1	Ca_kabuli_chr07	9965119	AA	TT	1940387283
SNP_P1_131186_9965156	NC_021166.1	Ca_kabuli_chr07	9965156	AA	CC	1940387285
SNP_P1_131187_9965284	NC_021166.1	Ca_kabuli_chr07	9965284	CC	AA	1940387287
SNP_P1_131188_9965289	NC_021166.1	Ca_kabuli_chr07	9965289	CC	TT	1940387289
SNP_P1_131189_9966397	NC_021166.1	Ca_kabuli_chr07	9966397	CC	TT	1940387290
SNP_P1_131190_9966402	NC_021166.1	Ca_kabuli_chr07	9966402	TT	CC	1940387292
SNP_P1_131191_9966726	NC_021166.1	Ca_kabuli_chr07	9966726	AA	CC	1940387294
SNP_P1_131192_9966745	NC_021166.1	Ca_kabuli_chr07	9966745	CC	TT	1940387296
SNP_P1_131193_9966800	NC_021166.1	Ca_kabuli_chr07	9966800	GG	AA	1940387298
SNP_P1_131194_9966991	NC_021166.1	Ca_kabuli_chr07	9966991	GG	AA	1940387299
SNP_P1_131195_9967082	NC_021166.1	Ca_kabuli_chr07	9967082	GG	AA	1940387301
SNP_P1_131196_9967296	NC_021166.1	Ca_kabuli_chr07	9967296	AA	CC	1940387303
SNP_P1_131197_9967348	NC_021166.1	Ca_kabuli_chr07	9967348	AA	TT	1940387305
SNP_P1_131198_9967413	NC_021166.1	Ca_kabuli_chr07	9967413	TT	CC	1940387307
SNP_P1_131199_9967570	NC_021166.1	Ca_kabuli_chr07	9967570	GG	AA	1940387309
SNP_P1_131200_9967580	NC_021166.1	Ca_kabuli_chr07	9967580	TT	CC	1940387310
SNP_P1_131202_9967744	NC_021166.1	Ca_kabuli_chr07	9967744	TT	AA	1940387312
SNP_P1_131203_9967776	NC_021166.1	Ca_kabuli_chr07	9967776	AA	TT	1940387314
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SNP_P1_131206_9968768	NC_021166.1	Ca_kabuli_chr07	9968768	GG	AA	1940387317
SNP_P1_131207_9969057	NC_021166.1	Ca_kabuli_chr07	9969057	TT	AA	1940387319
SNP_P1_131208_9969386	NC_021166.1	Ca_kabuli_chr07	9969386	CC	AA	1940387321
SNP_P1_131209_9970188	NC_021166.1	Ca_kabuli_chr07	9970188	TT	AA	1940387323
SNP_P1_131210_9971542	NC_021166.1	Ca_kabuli_chr07	9971542	AA	GG	1940387325
SNP_P1_131212_9974302	NC_021166.1	Ca_kabuli_chr07	9974302	TT	AA	1940387326
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SNP_P1_131215_9974482	NC_021166.1	Ca_kabuli_chr07	9974482	TT	AA	1940387332
SNP_P1_131216_9974629	NC_021166.1	Ca_kabuli_chr07	9974629	TT	CC	1940387333
SNP_P1_131217_9975007	NC_021166.1	Ca_kabuli_chr07	9975007	CC	AA	1940387335
SNP_P1_131219_9976856	NC_021166.1	Ca_kabuli_chr07	9976856	CC	TT	1940387337
SNP_P1_131220_9976876	NC_021166.1	Ca_kabuli_chr07	9976876	GG	AA	1940387339
SNP_P1_131221_9976886	NC_021166.1	Ca_kabuli_chr07	9976886	TT	CC	1940387341
SNP_P1_131222_9977069	NC_021166.1	Ca_kabuli_chr07	9977069	GG	AA	1940387342

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131225_9977513	NC_021166.1	Ca_kabuli_chr07	9977513	AA	CC	1940387347
SNP_P1_131226_9977557	NC_021166.1	Ca_kabuli_chr07	9977557	CC	TT	1940387349
SNP_P1_131227_9977606	NC_021166.1	Ca_kabuli_chr07	9977606	AA	TT	1940387351
SNP_P1_131228_9977841	NC_021166.1	Ca_kabuli_chr07	9977841	TT	CC	1940387353
SNP_P1_131229_9977870	NC_021166.1	Ca_kabuli_chr07	9977870	AA	TT	1940387354
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SNP_P1_131232_9978091	NC_021166.1	Ca_kabuli_chr07	9978091	CC	TT	1940387360
SNP_P1_131233_9978162	NC_021166.1	Ca_kabuli_chr07	9978162	TT	CC	1940387362
SNP_P1_131234_9978632	NC_021166.1	Ca_kabuli_chr07	9978632	AA	GG	1940387363
SNP_P1_131235_9978658	NC_021166.1	Ca_kabuli_chr07	9978658	CC	GG	1940387365
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SNP_P1_131239_9978808	NC_021166.1	Ca_kabuli_chr07	9978808	AA	GG	1940387372
SNP_P1_131240_9978831	NC_021166.1	Ca_kabuli_chr07	9978831	AA	GG	1940387374
SNP_P1_131241_9979548	NC_021166.1	Ca_kabuli_chr07	9979548	TT	CC	1940387376
SNP_P1_131243_9979767	NC_021166.1	Ca_kabuli_chr07	9979767	GG	AA	1940387377
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SNP_P1_131245_9979920	NC_021166.1	Ca_kabuli_chr07	9979920	AA	GG	1940387381
SNP_P1_131246_9979935	NC_021166.1	Ca_kabuli_chr07	9979935	AA	GG	1940387383
SNP_P1_131247_9980058	NC_021166.1	Ca_kabuli_chr07	9980058	GG	AA	1940387384
SNP_P1_131248_9981394	NC_021166.1	Ca_kabuli_chr07	9981394	CC	TT	1940387386
SNP_P1_131249_9981423	NC_021166.1	Ca_kabuli_chr07	9981423	AA	CC	1940387388
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SNP_P1_131252_9984378	NC_021166.1	Ca_kabuli_chr07	9984378	CC	TT	1940387393
SNP_P1_131253_9984410	NC_021166.1	Ca_kabuli_chr07	9984410	TT	CC	1940387395
SNP_P1_131254_9984512	NC_021166.1	Ca_kabuli_chr07	9984512	AA	GG	1940387397
SNP_P1_131255_9984514	NC_021166.1	Ca_kabuli_chr07	9984514	CC	TT	1940387399
SNP_P1_131256_9984549	NC_021166.1	Ca_kabuli_chr07	9984549	GG	AA	1940387400
SNP_P1_131257_9984683	NC_021166.1	Ca_kabuli_chr07	9984683	GG	AA	1940387402
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SNP_P1_131259_9985306	NC_021166.1	Ca_kabuli_chr07	9985306	TT	CC	1940387406
SNP_P1_131261_9986488	NC_021166.1	Ca_kabuli_chr07	9986488	GG	AA	1940387407
SNP_P1_131263_9988058	NC_021166.1	Ca_kabuli_chr07	9988058	AA	TT	1940387409
SNP_P1_131264_9988475	NC_021166.1	Ca_kabuli_chr07	9988475	TT	AA	1940387411
SNP_P1_131265_9989730	NC_021166.1	Ca_kabuli_chr07	9989730	TT	AA	1940387413
SNP_P1_131267_9990722	NC_021166.1	Ca_kabuli_chr07	9990722	CC	TT	1940387415
SNP_P1_131268_9990743	NC_021166.1	Ca_kabuli_chr07	9990743	AA	GG	1940387416

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131272_9992673	NC_021166.1	Ca_kabuli_chr07	9992673	GG	AA	1940387422
SNP_P1_131273_9992858	NC_021166.1	Ca_kabuli_chr07	9992858	AA	GG	1940387424
SNP_P1_131275_9993003	NC_021166.1	Ca_kabuli_chr07	9993003	TT	CC	1940387425
SNP_P1_131276_9993043	NC_021166.1	Ca_kabuli_chr07	9993043	TT	CC	1940387427
SNP_P1_131279_9993327	NC_021166.1	Ca_kabuli_chr07	9993327	TT	GG	1940387429
SNP_P1_131280_9993537	NC_021166.1	Ca_kabuli_chr07	9993537	CC	TT	1940387431
SNP_P1_131281_9994094	NC_021166.1	Ca_kabuli_chr07	9994094	AA	GG	1940387432
SNP_P1_131282_9994494	NC_021166.1	Ca_kabuli_chr07	9994494	TT	CC	1940387434
SNP_P1_131283_9994845	NC_021166.1	Ca_kabuli_chr07	9994845	CC	TT	1940387436
SNP_P1_131284_9997503	NC_021166.1	Ca_kabuli_chr07	9997503	CC	TT	1940387438
SNP_P1_131285_9998824	NC_021166.1	Ca_kabuli_chr07	9998824	AA	GG	1940387440
SNP_P1_131286_9999718	NC_021166.1	Ca_kabuli_chr07	9999718	GG	AA	1940387441
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SNP_P1_131289_10002808	NC_021166.1	Ca_kabuli_chr07	10002808	CC	TT	1940387447
SNP_P1_131290_10003287	NC_021166.1	Ca_kabuli_chr07	10003287	GG	AA	1940387448
SNP_P1_131291_10005362	NC_021166.1	Ca_kabuli_chr07	10005362	TT	GG	1940387450
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SNP_P1_131293_10007047	NC_021166.1	Ca_kabuli_chr07	10007047	CC	TT	1940387454
SNP_P1_131294_10007049	NC_021166.1	Ca_kabuli_chr07	10007049	CC	TT	1940387455
SNP_P1_131295_10007051	NC_021166.1	Ca_kabuli_chr07	10007051	GG	AA	1940387457
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SNP_P1_131297_10007060	NC_021166.1	Ca_kabuli_chr07	10007060	GG	AA	1940387461
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SNP_P1_131300_10007091	NC_021166.1	Ca_kabuli_chr07	10007091	AA	GG	1940387466
SNP_P1_131301_10007102	NC_021166.1	Ca_kabuli_chr07	10007102	GG	AA	1940387468
SNP_P1_131302_10007119	NC_021166.1	Ca_kabuli_chr07	10007119	TT	CC	1940387470
SNP_P1_131303_10007121	NC_021166.1	Ca_kabuli_chr07	10007121	TT	CC	1940387471
SNP_P1_131304_10007122	NC_021166.1	Ca_kabuli_chr07	10007122	TT	CC	1940387473
SNP_P1_131306_10007839	NC_021166.1	Ca_kabuli_chr07	10007839	CC	TT	1940387475
SNP_P1_131307_10008368	NC_021166.1	Ca_kabuli_chr07	10008368	TT	CC	1940387477
SNP_P1_131308_10008377	NC_021166.1	Ca_kabuli_chr07	10008377	TT	CC	1940387479
SNP_P1_131309_10008605	NC_021166.1	Ca_kabuli_chr07	10008605	CC	TT	1940387480
SNP_P1_131310_10008770	NC_021166.1	Ca_kabuli_chr07	10008770	CC	GG	1940387482
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SNP_P1_131312_10009313	NC_021166.1	Ca_kabuli_chr07	10009313	GG	AA	1940387486
SNP_P1_131313_10009388	NC_021166.1	Ca_kabuli_chr07	10009388	AA	GG	1940387488
SNP_P1_131314_10009525	NC_021166.1	Ca_kabuli_chr07	10009525	TT	CC	1940387489
SNP_P1_131315_10010656	NC_021166.1	Ca_kabuli_chr07	10010656	AA	GG	1940387491

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131318_10011623	NC_021166.1	Ca_kabuli_chr07	10011623	TT	CC	1940387496
SNP_P1_131319_10011678	NC_021166.1	Ca_kabuli_chr07	10011678	CC	TT	1940387498
SNP_P1_131320_10011680	NC_021166.1	Ca_kabuli_chr07	10011680	CC	GG	1940387500
SNP_P1_131321_10011694	NC_021166.1	Ca_kabuli_chr07	10011694	GG	AA	1940387502
SNP_P1_131322_10011727	NC_021166.1	Ca_kabuli_chr07	10011727	GG	AA	1940387503
SNP_P1_131323_10011989	NC_021166.1	Ca_kabuli_chr07	10011989	AA	GG	1940387505
SNP_P1_131324_10012222	NC_021166.1	Ca_kabuli_chr07	10012222	GG	TT	1940387507
SNP_P1_131325_10012456	NC_021166.1	Ca_kabuli_chr07	10012456	CC	TT	1940387509
SNP_P1_131327_10012534	NC_021166.1	Ca_kabuli_chr07	10012534	AA	GG	1940387510
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SNP_P1_131330_10013522	NC_021166.1	Ca_kabuli_chr07	10013522	GG	AA	1940387516
SNP_P1_131331_10013529	NC_021166.1	Ca_kabuli_chr07	10013529	TT	CC	1940387517
SNP_P1_131332_10013731	NC_021166.1	Ca_kabuli_chr07	10013731	CC	GG	1940387519
SNP_P1_131333_10013906	NC_021166.1	Ca_kabuli_chr07	10013906	TT	CC	1940387521
SNP_P1_131334_10015338	NC_021166.1	Ca_kabuli_chr07	10015338	AA	GG	1940387523
SNP_P1_131335_10015752	NC_021166.1	Ca_kabuli_chr07	10015752	AA	GG	1940387525
SNP_P1_131336_10015951	NC_021166.1	Ca_kabuli_chr07	10015951	AA	CC	1940387526
SNP_P1_131339_10019384	NC_021166.1	Ca_kabuli_chr07	10019384	CC	GG	1940387528
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SNP_P1_131341_10021084	NC_021166.1	Ca_kabuli_chr07	10021084	GG	TT	1940387532
SNP_P1_131342_10021140	NC_021166.1	Ca_kabuli_chr07	10021140	GG	AA	1940387533
SNP_P1_131343_10021143	NC_021166.1	Ca_kabuli_chr07	10021143	TT	CC	1940387535
SNP_P1_131344_10021158	NC_021166.1	Ca_kabuli_chr07	10021158	AA	GG	1940387537
SNP_P1_131345_10021356	NC_021166.1	Ca_kabuli_chr07	10021356	TT	AA	1940387539
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SNP_P1_131347_10021541	NC_021166.1	Ca_kabuli_chr07	10021541	AA	TT	1940387542
SNP_P1_131348_10021589	NC_021166.1	Ca_kabuli_chr07	10021589	CC	TT	1940387544
SNP_P1_131349_10021623	NC_021166.1	Ca_kabuli_chr07	10021623	AA	GG	1940387546
SNP_P1_131351_10022612	NC_021166.1	Ca_kabuli_chr07	10022612	GG	AA	1940387547
SNP_P1_131352_10022665	NC_021166.1	Ca_kabuli_chr07	10022665	AA	CC	1940387549
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SNP_P1_131356_10022976	NC_021166.1	Ca_kabuli_chr07	10022976	TT	CC	1940387556
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SNP_P1_131360_10023360	NC_021166.1	Ca_kabuli_chr07	10023360	GG	AA	1940387563
SNP_P1_131361_10023374	NC_021166.1	Ca_kabuli_chr07	10023374	AA	CC	1940387565

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131364_10025147	NC_021166.1	Ca_kabuli_chr07	10025147	TT	AA	1940387570
SNP_P1_131365_10025157	NC_021166.1	Ca_kabuli_chr07	10025157	TT	GG	1940387572
SNP_P1_131366_10025180	NC_021166.1	Ca_kabuli_chr07	10025180	GG	AA	1940387574
SNP_P1_131367_10025681	NC_021166.1	Ca_kabuli_chr07	10025681	CC	TT	1940387576
SNP_P1_131368_10025871	NC_021166.1	Ca_kabuli_chr07	10025871	GG	AA	1940387577
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SNP_P1_131371_10029653	NC_021166.1	Ca_kabuli_chr07	10029653	AA	TT	1940387583
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SNP_P1_131376_10029973	NC_021166.1	Ca_kabuli_chr07	10029973	AA	TT	1940387592
SNP_P1_131377_10030235	NC_021166.1	Ca_kabuli_chr07	10030235	CC	TT	1940387593
SNP_P1_131379_10031028	NC_021166.1	Ca_kabuli_chr07	10031028	CC	AA	1940387595
SNP_P1_131380_10031388	NC_021166.1	Ca_kabuli_chr07	10031388	AA	TT	1940387597
SNP_P1_131381_10031398	NC_021166.1	Ca_kabuli_chr07	10031398	TT	AA	1940387599
SNP_P1_131382_10031416	NC_021166.1	Ca_kabuli_chr07	10031416	AA	TT	1940387600
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SNP_P1_131384_10031450	NC_021166.1	Ca_kabuli_chr07	10031450	TT	AA	1940387604
SNP_P1_131385_10031451	NC_021166.1	Ca_kabuli_chr07	10031451	TT	AA	1940387606
SNP_P1_131386_10031499	NC_021166.1	Ca_kabuli_chr07	10031499	AA	TT	1940387607
SNP_P1_131387_10031829	NC_021166.1	Ca_kabuli_chr07	10031829	GG	TT	1940387609
SNP_P1_131388_10031895	NC_021166.1	Ca_kabuli_chr07	10031895	GG	CC	1940387611
SNP_P1_131389_10031910	NC_021166.1	Ca_kabuli_chr07	10031910	CC	TT	1940387613
SNP_P1_131390_10032043	NC_021166.1	Ca_kabuli_chr07	10032043	GG	TT	1940387614
SNP_P1_131391_10032106	NC_021166.1	Ca_kabuli_chr07	10032106	TT	CC	1940387616
SNP_P1_131392_10032118	NC_021166.1	Ca_kabuli_chr07	10032118	AA	TT	1940387618
SNP_P1_131393_10032290	NC_021166.1	Ca_kabuli_chr07	10032290	TT	CC	1940387620
SNP_P1_131394_10032304	NC_021166.1	Ca_kabuli_chr07	10032304	TT	AA	1940387622
SNP_P1_131395_10032329	NC_021166.1	Ca_kabuli_chr07	10032329	AA	TT	1940387623
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SNP_P1_131399_10046112	NC_021166.1	Ca_kabuli_chr07	10046112	TT	CC	1940387627
SNP_P1_131400_10046133	NC_021166.1	Ca_kabuli_chr07	10046133	CC	GG	1940387629
SNP_P1_131401_10046197	NC_021166.1	Ca_kabuli_chr07	10046197	TT	CC	1940387630
SNP_P1_131402_10046440	NC_021166.1	Ca_kabuli_chr07	10046440	AA	TT	1940387632
SNP_P1_131403_10046461	NC_021166.1	Ca_kabuli_chr07	10046461	CC	AA	1940387634
SNP_P1_131404_10046465	NC_021166.1	Ca_kabuli_chr07	10046465	TT	CC	1940387636
SNP_P1_131406_10048821	NC_021166.1	Ca_kabuli_chr07	10048821	GG	TT	1940387638
SNP_P1_131407_10048978	NC_021166.1	Ca_kabuli_chr07	10048978	TT	AA	1940387639

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131409_10053130	NC_021166.1	Ca_kabuli_chr07	10053130	AA	TT	1940387643
SNP_P1_131410_10053142	NC_021166.1	Ca_kabuli_chr07	10053142	GG	AA	1940387645
SNP_P1_131411_10053151	NC_021166.1	Ca_kabuli_chr07	10053151	TT	AA	1940387646
SNP_P1_131413_10053225	NC_021166.1	Ca_kabuli_chr07	10053225	CC	TT	1940387648
SNP_P1_131414_10053239	NC_021166.1	Ca_kabuli_chr07	10053239	AA	GG	1940387650
SNP_P1_131415_10053259	NC_021166.1	Ca_kabuli_chr07	10053259	GG	AA	1940387652
SNP_P1_131416_10053319	NC_021166.1	Ca_kabuli_chr07	10053319	AA	TT	1940387653
SNP_P1_131417_10053344	NC_021166.1	Ca_kabuli_chr07	10053344	CC	GG	1940387655
SNP_P1_131418_10053350	NC_021166.1	Ca_kabuli_chr07	10053350	TT	CC	1940387657
SNP_P1_131420_10053445	NC_021166.1	Ca_kabuli_chr07	10053445	TT	CC	1940387659
SNP_P1_131421_10053452	NC_021166.1	Ca_kabuli_chr07	10053452	GG	AA	1940387660
SNP_P1_131422_10053463	NC_021166.1	Ca_kabuli_chr07	10053463	TT	AA	1940387662
SNP_P1_131423_10053468	NC_021166.1	Ca_kabuli_chr07	10053468	TT	AA	1940387664
SNP_P1_131424_10053626	NC_021166.1	Ca_kabuli_chr07	10053626	CC	TT	1940387666
SNP_P1_131425_10053640	NC_021166.1	Ca_kabuli_chr07	10053640	CC	GG	1940387668
SNP_P1_131426_10054313	NC_021166.1	Ca_kabuli_chr07	10054313	AA	GG	1940387669
SNP_P1_131427_10054321	NC_021166.1	Ca_kabuli_chr07	10054321	AA	TT	1940387671
SNP_P1_131428_10054528	NC_021166.1	Ca_kabuli_chr07	10054528	CC	TT	1940387673
SNP_P1_131429_10054572	NC_021166.1	Ca_kabuli_chr07	10054572	AA	TT	1940387675
SNP_P1_131430_10054579	NC_021166.1	Ca_kabuli_chr07	10054579	TT	AA	1940387676
SNP_P1_131431_10054777	NC_021166.1	Ca_kabuli_chr07	10054777	AA	GG	1940387678
SNP_P1_131432_10054793	NC_021166.1	Ca_kabuli_chr07	10054793	AA	GG	1940387680
SNP_P1_131433_10055017	NC_021166.1	Ca_kabuli_chr07	10055017	CC	TT	1940387682
SNP_P1_131434_10055273	NC_021166.1	Ca_kabuli_chr07	10055273	AA	TT	1940387683
SNP_P1_131435_10055334	NC_021166.1	Ca_kabuli_chr07	10055334	GG	AA	1940387685
SNP_P1_131436_10055359	NC_021166.1	Ca_kabuli_chr07	10055359	AA	GG	1940387687
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SNP_P1_131438_10055684	NC_021166.1	Ca_kabuli_chr07	10055684	CC	TT	1940387691
SNP_P1_131439_10056077	NC_021166.1	Ca_kabuli_chr07	10056077	CC	TT	1940387692
SNP_P1_131440_10056079	NC_021166.1	Ca_kabuli_chr07	10056079	TT	AA	1940387694
SNP_P1_131441_10056095	NC_021166.1	Ca_kabuli_chr07	10056095	AA	TT	1940387696
SNP_P1_131442_10056162	NC_021166.1	Ca_kabuli_chr07	10056162	CC	TT	1940387698
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SNP_P1_131445_10056398	NC_021166.1	Ca_kabuli_chr07	10056398	AA	GG	1940387703
SNP_P1_131446_10056431	NC_021166.1	Ca_kabuli_chr07	10056431	GG	TT	1940387705
SNP_P1_131447_10056450	NC_021166.1	Ca_kabuli_chr07	10056450	GG	AA	1940387707
SNP_P1_131448_10056491	NC_021166.1	Ca_kabuli_chr07	10056491	TT	AA	1940387708
SNP_P1_131449_10056492	NC_021166.1	Ca_kabuli_chr07	10056492	TT	CC	1940387710
SNP_P1_131450_10056649	NC_021166.1	Ca_kabuli_chr07	10056649	AA	TT	1940387712
SNP_P1_131451_10056666	NC_021166.1	Ca_kabuli_chr07	10056666	TT	CC	1940387714

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131454_10057273	NC_021166.1	Ca_kabuli_chr07	10057273	GG	AA	1940387719
SNP_P1_131455_10057279	NC_021166.1	Ca_kabuli_chr07	10057279	CC	TT	1940387721
SNP_P1_131456_10057432	NC_021166.1	Ca_kabuli_chr07	10057432	TT	AA	1940387723
SNP_P1_131458_10057756	NC_021166.1	Ca_kabuli_chr07	10057756	TT	CC	1940387724
SNP_P1_131459_10057772	NC_021166.1	Ca_kabuli_chr07	10057772	GG	AA	1940387726
SNP_P1_131461_10058718	NC_021166.1	Ca_kabuli_chr07	10058718	CC	AA	1940387728
SNP_P1_131462_10058723	NC_021166.1	Ca_kabuli_chr07	10058723	GG	AA	1940387730
SNP_P1_131463_10060508	NC_021166.1	Ca_kabuli_chr07	10060508	TT	CC	1940387731
SNP_P1_131464_10060560	NC_021166.1	Ca_kabuli_chr07	10060560	AA	GG	1940387733
SNP_P1_131465_10060561	NC_021166.1	Ca_kabuli_chr07	10060561	AA	TT	1940387735
SNP_P1_131466_10060569	NC_021166.1	Ca_kabuli_chr07	10060569	CC	TT	1940387737
SNP_P1_131467_10060571	NC_021166.1	Ca_kabuli_chr07	10060571	TT	CC	1940387739
SNP_P1_131468_10060927	NC_021166.1	Ca_kabuli_chr07	10060927	AA	GG	1940387740
SNP_P1_131469_10060934	NC_021166.1	Ca_kabuli_chr07	10060934	GG	AA	1940387742
SNP_P1_131471_10061571	NC_021166.1	Ca_kabuli_chr07	10061571	GG	CC	1940387744
SNP_P1_131472_10062576	NC_021166.1	Ca_kabuli_chr07	10062576	TT	AA	1940387746
SNP_P1_131474_10062898	NC_021166.1	Ca_kabuli_chr07	10062898	GG	TT	1940387747
SNP_P1_131475_10062924	NC_021166.1	Ca_kabuli_chr07	10062924	TT	AA	1940387749
SNP_P1_131476_10063047	NC_021166.1	Ca_kabuli_chr07	10063047	AA	GG	1940387751
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SNP_P1_131478_10063093	NC_021166.1	Ca_kabuli_chr07	10063093	CC	TT	1940387754
SNP_P1_131480_10063366	NC_021166.1	Ca_kabuli_chr07	10063366	TT	AA	1940387756
SNP_P1_131481_10063438	NC_021166.1	Ca_kabuli_chr07	10063438	TT	CC	1940387758
SNP_P1_131482_10064098	NC_021166.1	Ca_kabuli_chr07	10064098	AA	GG	1940387760
SNP_P1_131483_10064239	NC_021166.1	Ca_kabuli_chr07	10064239	GG	TT	1940387761
SNP_P1_131484_10065582	NC_021166.1	Ca_kabuli_chr07	10065582	AA	TT	1940387763
SNP_P1_131485_10066400	NC_021166.1	Ca_kabuli_chr07	10066400	CC	TT	1940387765
SNP_P1_131487_10066956	NC_021166.1	Ca_kabuli_chr07	10066956	AA	GG	1940387767
SNP_P1_131488_10066994	NC_021166.1	Ca_kabuli_chr07	10066994	TT	CC	1940387768
SNP_P1_131489_10067987	NC_021166.1	Ca_kabuli_chr07	10067987	CC	AA	1940387770
SNP_P1_131490_10067988	NC_021166.1	Ca_kabuli_chr07	10067988	GG	TT	1940387772
SNP_P1_131491_10069425	NC_021166.1	Ca_kabuli_chr07	10069425	CC	TT	1940387774
SNP_P1_131492_10069426	NC_021166.1	Ca_kabuli_chr07	10069426	TT	AA	1940387776
SNP_P1_131493_10069433	NC_021166.1	Ca_kabuli_chr07	10069433	GG	AA	1940387777
SNP_P1_131494_10069442	NC_021166.1	Ca_kabuli_chr07	10069442	CC	GG	1940387779
SNP_P1_131495_10069473	NC_021166.1	Ca_kabuli_chr07	10069473	AA	TT	1940387781
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SNP_P1_131499_10070439	NC_021166.1	Ca_kabuli_chr07	10070439	CC	AA	1940387786
SNP_P1_131500_10070764	NC_021166.1	Ca_kabuli_chr07	10070764	TT	CC	1940387788

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131503_10078191	NC_021166.1	Ca_kabuli_chr07	10078191	TT	CC	1940387792
SNP_P1_131504_10079393	NC_021166.1	Ca_kabuli_chr07	10079393	CC	TT	1940387793
SNP_P1_131505_10079961	NC_021166.1	Ca_kabuli_chr07	10079961	AA	GG	1940387795
SNP_P1_131506_10081330	NC_021166.1	Ca_kabuli_chr07	10081330	AA	GG	1940387797
SNP_P1_131508_10081358	NC_021166.1	Ca_kabuli_chr07	10081358	AA	GG	1940387799
SNP_P1_131509_10081604	NC_021166.1	Ca_kabuli_chr07	10081604	AA	TT	1940387801
SNP_P1_131510_10082698	NC_021166.1	Ca_kabuli_chr07	10082698	AA	TT	1940387802
SNP_P1_131511_10082706	NC_021166.1	Ca_kabuli_chr07	10082706	GG	CC	1940387804
SNP_P1_131512_10085299	NC_021166.1	Ca_kabuli_chr07	10085299	CC	TT	1940387806
SNP_P1_131513_10085311	NC_021166.1	Ca_kabuli_chr07	10085311	TT	CC	1940387808
SNP_P1_131514_10085517	NC_021166.1	Ca_kabuli_chr07	10085517	TT	AA	1940387809
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SNP_P1_131516_10086627	NC_021166.1	Ca_kabuli_chr07	10086627	TT	GG	1940387813
SNP_P1_131517_10086679	NC_021166.1	Ca_kabuli_chr07	10086679	TT	GG	1940387815
SNP_P1_131518_10087013	NC_021166.1	Ca_kabuli_chr07	10087013	TT	GG	1940387817
SNP_P1_131519_10087019	NC_021166.1	Ca_kabuli_chr07	10087019	AA	GG	1940387818
SNP_P1_131520_10087229	NC_021166.1	Ca_kabuli_chr07	10087229	TT	CC	1940387820
SNP_P1_131521_10087577	NC_021166.1	Ca_kabuli_chr07	10087577	AA	GG	1940387822
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SNP_P1_131530_10089094	NC_021166.1	Ca_kabuli_chr07	10089094	GG	AA	1940387838
SNP_P1_131531_10090074	NC_021166.1	Ca_kabuli_chr07	10090074	CC	AA	1940387840
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SNP_P1_131533_10091223	NC_021166.1	Ca_kabuli_chr07	10091223	TT	AA	1940387843
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SNP_P1_131535_10093843	NC_021166.1	Ca_kabuli_chr07	10093843	GG	TT	1940387847
SNP_P1_131536_10094055	NC_021166.1	Ca_kabuli_chr07	10094055	CC	TT	1940387848
SNP_P1_131537_10094108	NC_021166.1	Ca_kabuli_chr07	10094108	AA	TT	1940387850
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SNP_P1_131542_10094902	NC_021166.1	Ca_kabuli_chr07	10094902	AA	GG	1940387859
SNP_P1_131543_10094914	NC_021166.1	Ca_kabuli_chr07	10094914	AA	TT	1940387861
SNP_P1_131544_10095171	NC_021166.1	Ca_kabuli_chr07	10095171	CC	TT	1940387863

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131548_10097205	NC_021166.1	Ca_kabuli_chr07	10097205	AA	GG	1940387868
SNP_P1_131549_10097250	NC_021166.1	Ca_kabuli_chr07	10097250	TT	CC	1940387870
SNP_P1_131550_10098279	NC_021166.1	Ca_kabuli_chr07	10098279	CC	TT	1940387872
SNP_P1_131552_10098616	NC_021166.1	Ca_kabuli_chr07	10098616	GG	TT	1940387873
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SNP_P1_131554_10099335	NC_021166.1	Ca_kabuli_chr07	10099335	CC	TT	1940387877
SNP_P1_131556_10099387	NC_021166.1	Ca_kabuli_chr07	10099387	GG	TT	1940387879
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SNP_P1_131563_10099942	NC_021166.1	Ca_kabuli_chr07	10099942	GG	TT	1940387891
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SNP_P1_131568_10101694	NC_021166.1	Ca_kabuli_chr07	10101694	TT	CC	1940387900
SNP_P1_131569_10101699	NC_021166.1	Ca_kabuli_chr07	10101699	AA	GG	1940387902
SNP_P1_131570_10101708	NC_021166.1	Ca_kabuli_chr07	10101708	CC	TT	1940387903
SNP_P1_131571_10101725	NC_021166.1	Ca_kabuli_chr07	10101725	AA	GG	1940387905
SNP_P1_131572_10102147	NC_021166.1	Ca_kabuli_chr07	10102147	TT	CC	1940387907
SNP_P1_131573_10102441	NC_021166.1	Ca_kabuli_chr07	10102441	CC	GG	1940387909
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SNP_P1_131575_10103070	NC_021166.1	Ca_kabuli_chr07	10103070	TT	AA	1940387912
SNP_P1_131576_10103437	NC_021166.1	Ca_kabuli_chr07	10103437	CC	TT	1940387914
SNP_P1_131577_10103439	NC_021166.1	Ca_kabuli_chr07	10103439	GG	AA	1940387916
SNP_P1_131578_10103468	NC_021166.1	Ca_kabuli_chr07	10103468	GG	AA	1940387918
SNP_P1_131579_10103474	NC_021166.1	Ca_kabuli_chr07	10103474	TT	GG	1940387919
SNP_P1_131580_10104174	NC_021166.1	Ca_kabuli_chr07	10104174	GG	CC	1940387921
SNP_P1_131581_10104495	NC_021166.1	Ca_kabuli_chr07	10104495	TT	CC	1940387923
SNP_P1_131582_10104504	NC_021166.1	Ca_kabuli_chr07	10104504	TT	AA	1940387925
SNP_P1_131583_10104505	NC_021166.1	Ca_kabuli_chr07	10104505	AA	TT	1940387926
SNP_P1_131584_10104515	NC_021166.1	Ca_kabuli_chr07	10104515	GG	TT	1940387928
SNP_P1_131585_10105486	NC_021166.1	Ca_kabuli_chr07	10105486	AA	TT	1940387930
SNP_P1_131586_10105503	NC_021166.1	Ca_kabuli_chr07	10105503	GG	AA	1940387932
SNP_P1_131587_10105536	NC_021166.1	Ca_kabuli_chr07	10105536	TT	AA	1940387934
SNP_P1_131588_10105549	NC_021166.1	Ca_kabuli_chr07	10105549	GG	AA	1940387935
SNP_P1_131589_10105560	NC_021166.1	Ca_kabuli_chr07	10105560	AA	TT	1940387937

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131591_10105797	NC_021166.1	Ca_kabuli_chr07	10105797	TT	CC	1940387941
SNP_P1_131592_10106688	NC_021166.1	Ca_kabuli_chr07	10106688	CC	TT	1940387942
SNP_P1_131593_10106717	NC_021166.1	Ca_kabuli_chr07	10106717	GG	AA	1940387944
SNP_P1_131594_10106916	NC_021166.1	Ca_kabuli_chr07	10106916	CC	TT	1940387946
SNP_P1_131595_10108565	NC_021166.1	Ca_kabuli_chr07	10108565	AA	GG	1940387948
SNP_P1_131596_10108612	NC_021166.1	Ca_kabuli_chr07	10108612	CC	TT	1940387949
SNP_P1_131597_10108613	NC_021166.1	Ca_kabuli_chr07	10108613	CC	TT	1940387951
SNP_P1_131598_10108619	NC_021166.1	Ca_kabuli_chr07	10108619	TT	GG	1940387953
SNP_P1_131599_10108626	NC_021166.1	Ca_kabuli_chr07	10108626	AA	GG	1940387955
SNP_P1_131600_10108663	NC_021166.1	Ca_kabuli_chr07	10108663	GG	AA	1940387956
SNP_P1_131601_10108695	NC_021166.1	Ca_kabuli_chr07	10108695	GG	AA	1940387958
SNP_P1_131602_10108716	NC_021166.1	Ca_kabuli_chr07	10108716	AA	TT	1940387960
SNP_P1_131603_10108747	NC_021166.1	Ca_kabuli_chr07	10108747	TT	CC	1940387962
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SNP_P1_131606_10109118	NC_021166.1	Ca_kabuli_chr07	10109118	AA	TT	1940387967
SNP_P1_131607_10109379	NC_021166.1	Ca_kabuli_chr07	10109379	CC	AA	1940387969
SNP_P1_131608_10110949	NC_021166.1	Ca_kabuli_chr07	10110949	AA	CC	1940387971
SNP_P1_131609_10110971	NC_021166.1	Ca_kabuli_chr07	10110971	CC	TT	1940387972
SNP_P1_131610_10111076	NC_021166.1	Ca_kabuli_chr07	10111076	TT	CC	1940387974
SNP_P1_131611_10111227	NC_021166.1	Ca_kabuli_chr07	10111227	CC	TT	1940387976
SNP_P1_131613_10111823	NC_021166.1	Ca_kabuli_chr07	10111823	TT	CC	1940387978
SNP_P1_131614_10111866	NC_021166.1	Ca_kabuli_chr07	10111866	CC	AA	1940387979
SNP_P1_131615_10112020	NC_021166.1	Ca_kabuli_chr07	10112020	GG	CC	1940387981
SNP_P1_131616_10112070	NC_021166.1	Ca_kabuli_chr07	10112070	AA	TT	1940387983
SNP_P1_131617_10112076	NC_021166.1	Ca_kabuli_chr07	10112076	AA	GG	1940387985
SNP_P1_131618_10112300	NC_021166.1	Ca_kabuli_chr07	10112300	TT	CC	1940387987
SNP_P1_131619_10112301	NC_021166.1	Ca_kabuli_chr07	10112301	AA	TT	1940387988
SNP_P1_131620_10112319	NC_021166.1	Ca_kabuli_chr07	10112319	TT	CC	1940387990
SNP_P1_131621_10112386	NC_021166.1	Ca_kabuli_chr07	10112386	TT	GG	1940387992
SNP_P1_131622_10112489	NC_021166.1	Ca_kabuli_chr07	10112489	TT	GG	1940387994
SNP_P1_131624_10112561	NC_021166.1	Ca_kabuli_chr07	10112561	GG	TT	1940387995
SNP_P1_131625_10112891	NC_021166.1	Ca_kabuli_chr07	10112891	GG	AA	1940387997
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SNP_P1_131627_10112987	NC_021166.1	Ca_kabuli_chr07	10112987	AA	GG	1940388001
SNP_P1_131628_10113297	NC_021166.1	Ca_kabuli_chr07	10113297	AA	TT	1940388003
SNP_P1_131629_10113983	NC_021166.1	Ca_kabuli_chr07	10113983	AA	GG	1940388004
SNP_P1_131630_10113993	NC_021166.1	Ca_kabuli_chr07	10113993	CC	TT	1940388006
SNP_P1_131631_10114277	NC_021166.1	Ca_kabuli_chr07	10114277	AA	TT	1940388008
SNP_P1_131632_10115618	NC_021166.1	Ca_kabuli_chr07	10115618	TT	GG	1940388010
SNP_P1_131633_10115908	NC_021166.1	Ca_kabuli_chr07	10115908	CC	AA	1940388011

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131637_10117382	NC_021166.1	Ca_kabuli_chr07	10117382	TT	AA	1940388015
SNP_P1_131638_10117445	NC_021166.1	Ca_kabuli_chr07	10117445	GG	CC	1940388017
SNP_P1_131639_10117785	NC_021166.1	Ca_kabuli_chr07	10117785	AA	GG	1940388019
SNP_P1_131640_10118643	NC_021166.1	Ca_kabuli_chr07	10118643	GG	AA	1940388020
SNP_P1_131641_10118698	NC_021166.1	Ca_kabuli_chr07	10118698	TT	AA	1940388022
SNP_P1_131642_10118761	NC_021166.1	Ca_kabuli_chr07	10118761	GG	AA	1940388024
SNP_P1_131643_10118806	NC_021166.1	Ca_kabuli_chr07	10118806	TT	GG	1940388026
SNP_P1_131645_10119025	NC_021166.1	Ca_kabuli_chr07	10119025	TT	GG	1940388027
SNP_P1_131646_10120936	NC_021166.1	Ca_kabuli_chr07	10120936	AA	GG	1940388029
SNP_P1_131647_10120962	NC_021166.1	Ca_kabuli_chr07	10120962	CC	AA	1940388031
SNP_P1_131648_10120987	NC_021166.1	Ca_kabuli_chr07	10120987	GG	AA	1940388033
SNP_P1_131649_10120989	NC_021166.1	Ca_kabuli_chr07	10120989	AA	GG	1940388034
SNP_P1_131650_10121009	NC_021166.1	Ca_kabuli_chr07	10121009	GG	AA	1940388036
SNP_P1_131651_10121145	NC_021166.1	Ca_kabuli_chr07	10121145	CC	TT	1940388038
SNP_P1_131652_10121232	NC_021166.1	Ca_kabuli_chr07	10121232	GG	AA	1940388040
SNP_P1_131653_10121257	NC_021166.1	Ca_kabuli_chr07	10121257	AA	CC	1940388042
SNP_P1_131655_10121313	NC_021166.1	Ca_kabuli_chr07	10121313	TT	AA	1940388043
SNP_P1_131657_10121677	NC_021166.1	Ca_kabuli_chr07	10121677	GG	AA	1940388045
SNP_P1_131658_10122085	NC_021166.1	Ca_kabuli_chr07	10122085	TT	GG	1940388047
SNP_P1_131659_10122109	NC_021166.1	Ca_kabuli_chr07	10122109	GG	TT	1940388049
SNP_P1_131660_10122334	NC_021166.1	Ca_kabuli_chr07	10122334	CC	AA	1940388051
SNP_P1_131661_10122471	NC_021166.1	Ca_kabuli_chr07	10122471	GG	AA	1940388052
SNP_P1_131662_10122712	NC_021166.1	Ca_kabuli_chr07	10122712	TT	CC	1940388054
SNP_P1_131664_10123058	NC_021166.1	Ca_kabuli_chr07	10123058	GG	TT	1940388056
SNP_P1_131665_10123065	NC_021166.1	Ca_kabuli_chr07	10123065	AA	TT	1940388058
SNP_P1_131666_10123292	NC_021166.1	Ca_kabuli_chr07	10123292	TT	CC	1940388059
SNP_P1_131667_10123479	NC_021166.1	Ca_kabuli_chr07	10123479	AA	TT	1940388061
SNP_P1_131668_10123495	NC_021166.1	Ca_kabuli_chr07	10123495	AA	CC	1940388063
SNP_P1_131669_10123502	NC_021166.1	Ca_kabuli_chr07	10123502	CC	TT	1940388065
SNP_P1_131670_10123552	NC_021166.1	Ca_kabuli_chr07	10123552	CC	AA	1940388067
SNP_P1_131672_10123754	NC_021166.1	Ca_kabuli_chr07	10123754	TT	CC	1940388068
SNP_P1_131674_10124860	NC_021166.1	Ca_kabuli_chr07	10124860	GG	CC	1940388070
SNP_P1_131675_10125783	NC_021166.1	Ca_kabuli_chr07	10125783	AA	GG	1940388072
SNP_P1_131676_10125803	NC_021166.1	Ca_kabuli_chr07	10125803	TT	AA	1940388073
SNP_P1_131677_10125812	NC_021166.1	Ca_kabuli_chr07	10125812	AA	GG	1940388075
SNP_P1_131678_10126001	NC_021166.1	Ca_kabuli_chr07	10126001	CC	TT	1940388077
SNP_P1_131679_10126033	NC_021166.1	Ca_kabuli_chr07	10126033	AA	GG	1940388079
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SNP_P1_131681_10127718	NC_021166.1	Ca_kabuli_chr07	10127718	AA	GG	1940388082
SNP_P1_131682_10127743	NC_021166.1	Ca_kabuli_chr07	10127743	AA	TT	1940388084
SNP_P1_131683_10127768	NC_021166.1	Ca_kabuli_chr07	10127768	AA	GG	1940388086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131685_10128140	NC_021166.1	Ca_kabuli_chr07	10128140	CC	AA	1940388090
SNP_P1_131686_10128175	NC_021166.1	Ca_kabuli_chr07	10128175	AA	GG	1940388091
SNP_P1_131687_10129710	NC_021166.1	Ca_kabuli_chr07	10129710	TT	AA	1940388093
SNP_P1_131689_10130152	NC_021166.1	Ca_kabuli_chr07	10130152	GG	AA	1940388095
SNP_P1_131690_10130266	NC_021166.1	Ca_kabuli_chr07	10130266	AA	TT	1940388097
SNP_P1_131691_10130452	NC_021166.1	Ca_kabuli_chr07	10130452	GG	AA	1940388098
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SNP_P1_131693_10130479	NC_021166.1	Ca_kabuli_chr07	10130479	GG	AA	1940388102
SNP_P1_131694_10130496	NC_021166.1	Ca_kabuli_chr07	10130496	CC	AA	1940388104
SNP_P1_131695_10130504	NC_021166.1	Ca_kabuli_chr07	10130504	TT	CC	1940388106
SNP_P1_131696_10132310	NC_021166.1	Ca_kabuli_chr07	10132310	CC	GG	1940388107
SNP_P1_131697_10132716	NC_021166.1	Ca_kabuli_chr07	10132716	TT	AA	1940388109
SNP_P1_131698_10132730	NC_021166.1	Ca_kabuli_chr07	10132730	CC	AA	1940388111
SNP_P1_131699_10132753	NC_021166.1	Ca_kabuli_chr07	10132753	CC	TT	1940388113
SNP_P1_131700_10132919	NC_021166.1	Ca_kabuli_chr07	10132919	AA	TT	1940388114
SNP_P1_131701_10132923	NC_021166.1	Ca_kabuli_chr07	10132923	TT	AA	1940388116
SNP_P1_131702_10133070	NC_021166.1	Ca_kabuli_chr07	10133070	GG	AA	1940388118
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SNP_P1_131715_10140906	NC_021166.1	Ca_kabuli_chr07	10140906	TT	CC	1940388139
SNP_P1_131716_10140909	NC_021166.1	Ca_kabuli_chr07	10140909	TT	CC	1940388141
SNP_P1_131717_10140972	NC_021166.1	Ca_kabuli_chr07	10140972	GG	AA	1940388143
SNP_P1_131718_10140998	NC_021166.1	Ca_kabuli_chr07	10140998	CC	GG	1940388145
SNP_P1_131719_10141259	NC_021166.1	Ca_kabuli_chr07	10141259	TT	CC	1940388146
SNP_P1_131720_10141297	NC_021166.1	Ca_kabuli_chr07	10141297	CC	TT	1940388148
SNP_P1_131721_10141302	NC_021166.1	Ca_kabuli_chr07	10141302	AA	GG	1940388150
SNP_P1_131722_10142680	NC_021166.1	Ca_kabuli_chr07	10142680	CC	TT	1940388152
SNP_P1_131724_10143736	NC_021166.1	Ca_kabuli_chr07	10143736	GG	AA	1940388153
SNP_P1_131725_10144061	NC_021166.1	Ca_kabuli_chr07	10144061	TT	GG	1940388155
SNP_P1_131726_10144093	NC_021166.1	Ca_kabuli_chr07	10144093	AA	GG	1940388157
SNP_P1_131727_10144232	NC_021166.1	Ca_kabuli_chr07	10144232	GG	TT	1940388159
SNP_P1_131728_10144256	NC_021166.1	Ca_kabuli_chr07	10144256	CC	TT	1940388161

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131730_10144396	NC_021166.1	Ca_kabuli_chr07	10144396	TT	GG	1940388164
SNP_P1_131731_10144432	NC_021166.1	Ca_kabuli_chr07	10144432	AA	TT	1940388166
SNP_P1_131732_10144489	NC_021166.1	Ca_kabuli_chr07	10144489	CC	TT	1940388168
SNP_P1_131734_10145119	NC_021166.1	Ca_kabuli_chr07	10145119	CC	AA	1940388169
SNP_P1_131737_10145288	NC_021166.1	Ca_kabuli_chr07	10145288	AA	TT	1940388171
SNP_P1_131738_10145355	NC_021166.1	Ca_kabuli_chr07	10145355	CC	TT	1940388173
SNP_P1_131739_10145391	NC_021166.1	Ca_kabuli_chr07	10145391	CC	TT	1940388175
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SNP_P1_131746_10145685	NC_021166.1	Ca_kabuli_chr07	10145685	TT	CC	1940388187
SNP_P1_131747_10145705	NC_021166.1	Ca_kabuli_chr07	10145705	CC	TT	1940388189
SNP_P1_131748_10145868	NC_021166.1	Ca_kabuli_chr07	10145868	GG	CC	1940388191
SNP_P1_131749_10145966	NC_021166.1	Ca_kabuli_chr07	10145966	TT	CC	1940388192
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SNP_P1_131752_10146141	NC_021166.1	Ca_kabuli_chr07	10146141	AA	GG	1940388198
SNP_P1_131753_10146380	NC_021166.1	Ca_kabuli_chr07	10146380	GG	AA	1940388199
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SNP_P1_131760_10148473	NC_021166.1	Ca_kabuli_chr07	10148473	TT	AA	1940388212
SNP_P1_131761_10148576	NC_021166.1	Ca_kabuli_chr07	10148576	TT	GG	1940388214
SNP_P1_131762_10148663	NC_021166.1	Ca_kabuli_chr07	10148663	AA	GG	1940388215
SNP_P1_131763_10148782	NC_021166.1	Ca_kabuli_chr07	10148782	GG	CC	1940388217
SNP_P1_131764_10148849	NC_021166.1	Ca_kabuli_chr07	10148849	CC	GG	1940388219
SNP_P1_131766_10149798	NC_021166.1	Ca_kabuli_chr07	10149798	GG	AA	1940388221
SNP_P1_131767_10152601	NC_021166.1	Ca_kabuli_chr07	10152601	TT	GG	1940388222
SNP_P1_131768_10152608	NC_021166.1	Ca_kabuli_chr07	10152608	AA	CC	1940388224
SNP_P1_131769_10152869	NC_021166.1	Ca_kabuli_chr07	10152869	AA	GG	1940388226
SNP_P1_131771_10153048	NC_021166.1	Ca_kabuli_chr07	10153048	CC	TT	1940388228
SNP_P1_131772_10153189	NC_021166.1	Ca_kabuli_chr07	10153189	AA	GG	1940388229
SNP_P1_131773_10153459	NC_021166.1	Ca_kabuli_chr07	10153459	CC	TT	1940388231
SNP_P1_131775_10153832	NC_021166.1	Ca_kabuli_chr07	10153832	TT	CC	1940388233
SNP_P1_131776_10154620	NC_021166.1	Ca_kabuli_chr07	10154620	CC	TT	1940388235

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131779_10156477	NC_021166.1	Ca_kabuli_chr07	10156477	AA	GG	1940388240
SNP_P1_131780_10156606	NC_021166.1	Ca_kabuli_chr07	10156606	AA	GG	1940388242
SNP_P1_131781_10158547	NC_021166.1	Ca_kabuli_chr07	10158547	AA	GG	1940388244
SNP_P1_131782_10158723	NC_021166.1	Ca_kabuli_chr07	10158723	TT	CC	1940388245
SNP_P1_131783_10158744	NC_021166.1	Ca_kabuli_chr07	10158744	TT	CC	1940388247
SNP_P1_131784_10158745	NC_021166.1	Ca_kabuli_chr07	10158745	GG	AA	1940388249
SNP_P1_131785_10158903	NC_021166.1	Ca_kabuli_chr07	10158903	TT	AA	1940388251
SNP_P1_131786_10158959	NC_021166.1	Ca_kabuli_chr07	10158959	CC	AA	1940388252
SNP_P1_131787_10159079	NC_021166.1	Ca_kabuli_chr07	10159079	CC	AA	1940388254
SNP_P1_131788_10159095	NC_021166.1	Ca_kabuli_chr07	10159095	AA	GG	1940388256
SNP_P1_131789_10159096	NC_021166.1	Ca_kabuli_chr07	10159096	TT	AA	1940388258
SNP_P1_131790_10159214	NC_021166.1	Ca_kabuli_chr07	10159214	TT	CC	1940388260
SNP_P1_131791_10159399	NC_021166.1	Ca_kabuli_chr07	10159399	TT	CC	1940388261
SNP_P1_131792_10160137	NC_021166.1	Ca_kabuli_chr07	10160137	GG	AA	1940388263
SNP_P1_131793_10160469	NC_021166.1	Ca_kabuli_chr07	10160469	AA	TT	1940388265
SNP_P1_131794_10160637	NC_021166.1	Ca_kabuli_chr07	10160637	CC	TT	1940388267
SNP_P1_131795_10160649	NC_021166.1	Ca_kabuli_chr07	10160649	CC	TT	1940388268
SNP_P1_131796_10160946	NC_021166.1	Ca_kabuli_chr07	10160946	AA	GG	1940388270
SNP_P1_131797_10161119	NC_021166.1	Ca_kabuli_chr07	10161119	AA	CC	1940388272
SNP_P1_131798_10161130	NC_021166.1	Ca_kabuli_chr07	10161130	GG	AA	1940388274
SNP_P1_131799_10161142	NC_021166.1	Ca_kabuli_chr07	10161142	TT	CC	1940388276
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SNP_P1_131803_10162078	NC_021166.1	Ca_kabuli_chr07	10162078	AA	GG	1940388283
SNP_P1_131804_10162079	NC_021166.1	Ca_kabuli_chr07	10162079	GG	AA	1940388284
SNP_P1_131805_10162080	NC_021166.1	Ca_kabuli_chr07	10162080	TT	CC	1940388286
SNP_P1_131806_10162139	NC_021166.1	Ca_kabuli_chr07	10162139	TT	AA	1940388288
SNP_P1_131807_10162140	NC_021166.1	Ca_kabuli_chr07	10162140	AA	TT	1940388290
SNP_P1_131809_10162781	NC_021166.1	Ca_kabuli_chr07	10162781	AA	GG	1940388292
SNP_P1_131810_10162826	NC_021166.1	Ca_kabuli_chr07	10162826	CC	AA	1940388293
SNP_P1_131811_10166256	NC_021166.1	Ca_kabuli_chr07	10166256	GG	CC	1940388295
SNP_P1_131812_10168138	NC_021166.1	Ca_kabuli_chr07	10168138	AA	GG	1940388297
SNP_P1_131813_10168142	NC_021166.1	Ca_kabuli_chr07	10168142	GG	TT	1940388299
SNP_P1_131815_10170436	NC_021166.1	Ca_kabuli_chr07	10170436	GG	AA	1940388300
SNP_P1_131816_10173432	NC_021166.1	Ca_kabuli_chr07	10173432	TT	GG	1940388302
SNP_P1_131818_10179514	NC_021166.1	Ca_kabuli_chr07	10179514	AA	CC	1940388304
SNP_P1_131819_10180328	NC_021166.1	Ca_kabuli_chr07	10180328	CC	TT	1940388306
SNP_P1_131820_10180617	NC_021166.1	Ca_kabuli_chr07	10180617	GG	AA	1940388308
SNP_P1_131821_10186162	NC_021166.1	Ca_kabuli_chr07	10186162	CC	TT	1940388309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131825_10189453	NC_021166.1	Ca_kabuli_chr07	10189453	AA	TT	1940388313
SNP_P1_131826_10189629	NC_021166.1	Ca_kabuli_chr07	10189629	TT	CC	1940388315
SNP_P1_131827_10189694	NC_021166.1	Ca_kabuli_chr07	10189694	CC	TT	1940388316
SNP_P1_131829_10189872	NC_021166.1	Ca_kabuli_chr07	10189872	TT	GG	1940388318
SNP_P1_131830_10189895	NC_021166.1	Ca_kabuli_chr07	10189895	CC	AA	1940388320
SNP_P1_131831_10189923	NC_021166.1	Ca_kabuli_chr07	10189923	AA	GG	1940388322
SNP_P1_131833_10190230	NC_021166.1	Ca_kabuli_chr07	10190230	CC	TT	1940388324
SNP_P1_131834_10192380	NC_021166.1	Ca_kabuli_chr07	10192380	TT	GG	1940388325
SNP_P1_131835_10192384	NC_021166.1	Ca_kabuli_chr07	10192384	GG	AA	1940388327
SNP_P1_131836_10192446	NC_021166.1	Ca_kabuli_chr07	10192446	AA	GG	1940388329
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SNP_P1_131841_10192784	NC_021166.1	Ca_kabuli_chr07	10192784	GG	AA	1940388336
SNP_P1_131842_10192788	NC_021166.1	Ca_kabuli_chr07	10192788	CC	TT	1940388338
SNP_P1_131843_10192922	NC_021166.1	Ca_kabuli_chr07	10192922	TT	GG	1940388340
SNP_P1_131844_10192925	NC_021166.1	Ca_kabuli_chr07	10192925	CC	TT	1940388341
SNP_P1_131845_10192973	NC_021166.1	Ca_kabuli_chr07	10192973	TT	AA	1940388343
SNP_P1_131846_10192975	NC_021166.1	Ca_kabuli_chr07	10192975	AA	TT	1940388345
SNP_P1_131847_10193029	NC_021166.1	Ca_kabuli_chr07	10193029	CC	GG	1940388347
SNP_P1_131849_10193706	NC_021166.1	Ca_kabuli_chr07	10193706	CC	TT	1940388348
SNP_P1_131850_10193717	NC_021166.1	Ca_kabuli_chr07	10193717	CC	TT	1940388350
SNP_P1_131851_10193730	NC_021166.1	Ca_kabuli_chr07	10193730	CC	TT	1940388352
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SNP_P1_131859_10196054	NC_021166.1	Ca_kabuli_chr07	10196054	TT	AA	1940388361
SNP_P1_131860_10196110	NC_021166.1	Ca_kabuli_chr07	10196110	TT	AA	1940388363
SNP_P1_131861_10196112	NC_021166.1	Ca_kabuli_chr07	10196112	TT	GG	1940388364
SNP_P1_131862_10196345	NC_021166.1	Ca_kabuli_chr07	10196345	AA	GG	1940388366
SNP_P1_131863_10196346	NC_021166.1	Ca_kabuli_chr07	10196346	CC	TT	1940388368
SNP_P1_131865_10200858	NC_021166.1	Ca_kabuli_chr07	10200858	AA	TT	1940388370
SNP_P1_131866_10200912	NC_021166.1	Ca_kabuli_chr07	10200912	TT	CC	1940388372
SNP_P1_131867_10200922	NC_021166.1	Ca_kabuli_chr07	10200922	CC	TT	1940388373
SNP_P1_131868_10200927	NC_021166.1	Ca_kabuli_chr07	10200927	AA	GG	1940388375
SNP_P1_131869_10200958	NC_021166.1	Ca_kabuli_chr07	10200958	GG	AA	1940388377
SNP_P1_131870_10200966	NC_021166.1	Ca_kabuli_chr07	10200966	GG	AA	1940388379
SNP_P1_131871_10201438	NC_021166.1	Ca_kabuli_chr07	10201438	GG	AA	1940388380
SNP_P1_131872_10201865	NC_021166.1	Ca_kabuli_chr07	10201865	TT	GG	1940388382
SNP_P1_131873_10201866	NC_021166.1	Ca_kabuli_chr07	10201866	GG	TT	1940388384

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131876_10202419	NC_021166.1	Ca_kabuli_chr07	10202419	TT	AA	1940388389
SNP_P1_131878_10204046	NC_021166.1	Ca_kabuli_chr07	10204046	CC	AA	1940388391
SNP_P1_131880_10204167	NC_021166.1	Ca_kabuli_chr07	10204167	GG	AA	1940388393
SNP_P1_131881_10204305	NC_021166.1	Ca_kabuli_chr07	10204305	TT	AA	1940388395
SNP_P1_131882_10204322	NC_021166.1	Ca_kabuli_chr07	10204322	TT	AA	1940388396
SNP_P1_131883_10207546	NC_021166.1	Ca_kabuli_chr07	10207546	AA	GG	1940388398
SNP_P1_131885_10208554	NC_021166.1	Ca_kabuli_chr07	10208554	TT	AA	1940388400
SNP_P1_131886_10209408	NC_021166.1	Ca_kabuli_chr07	10209408	CC	TT	1940388402
SNP_P1_131887_10209834	NC_021166.1	Ca_kabuli_chr07	10209834	AA	TT	1940388404
SNP_P1_131888_10209882	NC_021166.1	Ca_kabuli_chr07	10209882	GG	TT	1940388405
SNP_P1_131889_10210619	NC_021166.1	Ca_kabuli_chr07	10210619	TT	CC	1940388407
SNP_P1_131890_10210755	NC_021166.1	Ca_kabuli_chr07	10210755	GG	AA	1940388409
SNP_P1_131891_10210769	NC_021166.1	Ca_kabuli_chr07	10210769	TT	CC	1940388411
SNP_P1_131892_10210770	NC_021166.1	Ca_kabuli_chr07	10210770	GG	AA	1940388412
SNP_P1_131893_10210794	NC_021166.1	Ca_kabuli_chr07	10210794	CC	AA	1940388414
SNP_P1_131894_10210798	NC_021166.1	Ca_kabuli_chr07	10210798	TT	CC	1940388416
SNP_P1_131895_10210936	NC_021166.1	Ca_kabuli_chr07	10210936	CC	TT	1940388418
SNP_P1_131896_10210938	NC_021166.1	Ca_kabuli_chr07	10210938	AA	GG	1940388420
SNP_P1_131897_10211162	NC_021166.1	Ca_kabuli_chr07	10211162	AA	GG	1940388421
SNP_P1_131898_10211318	NC_021166.1	Ca_kabuli_chr07	10211318	GG	CC	1940388423
SNP_P1_131899_10211323	NC_021166.1	Ca_kabuli_chr07	10211323	GG	AA	1940388425
SNP_P1_131900_10212423	NC_021166.1	Ca_kabuli_chr07	10212423	GG	AA	1940388427
SNP_P1_131902_10213894	NC_021166.1	Ca_kabuli_chr07	10213894	AA	CC	1940388428
SNP_P1_131903_10213910	NC_021166.1	Ca_kabuli_chr07	10213910	TT	CC	1940388430
SNP_P1_131905_10214436	NC_021166.1	Ca_kabuli_chr07	10214436	GG	AA	1940388432
SNP_P1_131906_10214443	NC_021166.1	Ca_kabuli_chr07	10214443	TT	CC	1940388434
SNP_P1_131907_10214461	NC_021166.1	Ca_kabuli_chr07	10214461	AA	CC	1940388435
SNP_P1_131908_10214462	NC_021166.1	Ca_kabuli_chr07	10214462	AA	GG	1940388437
SNP_P1_131909_10214492	NC_021166.1	Ca_kabuli_chr07	10214492	TT	CC	1940388439
SNP_P1_131910_10214512	NC_021166.1	Ca_kabuli_chr07	10214512	GG	AA	1940388441
SNP_P1_131911_10214522	NC_021166.1	Ca_kabuli_chr07	10214522	AA	TT	1940388443
SNP_P1_131912_10214525	NC_021166.1	Ca_kabuli_chr07	10214525	GG	AA	1940388444
SNP_P1_131913_10214526	NC_021166.1	Ca_kabuli_chr07	10214526	TT	CC	1940388446
SNP_P1_131914_10214691	NC_021166.1	Ca_kabuli_chr07	10214691	GG	AA	1940388448
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SNP_P1_131917_10215592	NC_021166.1	Ca_kabuli_chr07	10215592	CC	GG	1940388452
SNP_P1_131918_10215963	NC_021166.1	Ca_kabuli_chr07	10215963	CC	TT	1940388453
SNP_P1_131920_10216330	NC_021166.1	Ca_kabuli_chr07	10216330	CC	TT	1940388455
SNP_P1_131921_10217295	NC_021166.1	Ca_kabuli_chr07	10217295	CC	TT	1940388457
SNP_P1_131922_10217303	NC_021166.1	Ca_kabuli_chr07	10217303	TT	CC	1940388459

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_131923_10218314	NC_021166.1	Ca_kabuli_chr07	10218314	CC	TT	1940388460
SNP_P1_131924_10218319	NC_021166.1	Ca_kabuli_chr07	10218319	TT	GG	1940388462
SNP_P1_131925_10218367	NC_021166.1	Ca_kabuli_chr07	10218367	AA	GG	1940388464
SNP_P1_131926_10218388	NC_021166.1	Ca_kabuli_chr07	10218388	GG	AA	1940388466
SNP_P1_131927_10218676	NC_021166.1	Ca_kabuli_chr07	10218676	CC	TT	1940388467
SNP_P1_131928_10219508	NC_021166.1	Ca_kabuli_chr07	10219508	AA	GG	1940388469
SNP_P1_131929_10220327	NC_021166.1	Ca_kabuli_chr07	10220327	AA	CC	1940388471
SNP_P1_131930_10220408	NC_021166.1	Ca_kabuli_chr07	10220408	TT	CC	1940388473
SNP_P1_131931_10220410	NC_021166.1	Ca_kabuli_chr07	10220410	TT	CC	1940388475
SNP_P1_131932_10220491	NC_021166.1	Ca_kabuli_chr07	10220491	CC	TT	1940388476
SNP_P1_131933_10220492	NC_021166.1	Ca_kabuli_chr07	10220492	TT	CC	1940388478
SNP_P1_131934_10220498	NC_021166.1	Ca_kabuli_chr07	10220498	CC	TT	1940388480
SNP_P1_131935_10220684	NC_021166.1	Ca_kabuli_chr07	10220684	CC	TT	1940388482
SNP_P1_131936_10220754	NC_021166.1	Ca_kabuli_chr07	10220754	AA	GG	1940388483
SNP_P1_131937_10220799	NC_021166.1	Ca_kabuli_chr07	10220799	AA	GG	1940388485
SNP_P1_131938_10221037	NC_021166.1	Ca_kabuli_chr07	10221037	AA	GG	1940388487
SNP_P1_131939_10221260	NC_021166.1	Ca_kabuli_chr07	10221260	TT	CC	1940388489
SNP_P1_131941_10221328	NC_021166.1	Ca_kabuli_chr07	10221328	CC	GG	1940388491
SNP_P1_131942_10221434	NC_021166.1	Ca_kabuli_chr07	10221434	TT	CC	1940388492
SNP_P1_131943_10221435	NC_021166.1	Ca_kabuli_chr07	10221435	GG	AA	1940388494
SNP_P1_131944_10221447	NC_021166.1	Ca_kabuli_chr07	10221447	AA	TT	1940388496
SNP_P1_131945_10221603	NC_021166.1	Ca_kabuli_chr07	10221603	CC	AA	1940388498
SNP_P1_131946_10221669	NC_021166.1	Ca_kabuli_chr07	10221669	AA	TT	1940388500
SNP_P1_131947_10221877	NC_021166.1	Ca_kabuli_chr07	10221877	AA	TT	1940388501
SNP_P1_131948_10221890	NC_021166.1	Ca_kabuli_chr07	10221890	TT	CC	1940388503
SNP_P1_131949_10221994	NC_021166.1	Ca_kabuli_chr07	10221994	GG	AA	1940388505
SNP_P1_131951_10222193	NC_021166.1	Ca_kabuli_chr07	10222193	GG	AA	1940388507
SNP_P1_131952_10222194	NC_021166.1	Ca_kabuli_chr07	10222194	CC	TT	1940388509
SNP_P1_131953_10222205	NC_021166.1	Ca_kabuli_chr07	10222205	GG	AA	1940388510
SNP_P1_131954_10222248	NC_021166.1	Ca_kabuli_chr07	10222248	TT	CC	1940388512
SNP_P1_131955_10222278	NC_021166.1	Ca_kabuli_chr07	10222278	CC	AA	1940388514
SNP_P1_131956_10222393	NC_021166.1	Ca_kabuli_chr07	10222393	TT	CC	1940388516
SNP_P1_131957_10222421	NC_021166.1	Ca_kabuli_chr07	10222421	AA	GG	1940388518
SNP_P1_131958_10222449	NC_021166.1	Ca_kabuli_chr07	10222449	GG	AA	1940388519
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SNP_P1_131960_10223760	NC_021166.1	Ca_kabuli_chr07	10223760	CC	TT	1940388523
SNP_P1_131961_10224014	NC_021166.1	Ca_kabuli_chr07	10224014	GG	AA	1940388525
SNP_P1_131962_10224022	NC_021166.1	Ca_kabuli_chr07	10224022	AA	GG	1940388527
SNP_P1_131963_10224053	NC_021166.1	Ca_kabuli_chr07	10224053	GG	AA	1940388528
SNP_P1_131965_10224091	NC_021166.1	Ca_kabuli_chr07	10224091	AA	GG	1940388530
SNP_P1_131966_10224256	NC_021166.1	Ca_kabuli_chr07	10224256	GG	AA	1940388532
SNP_P1_131968_10224506	NC_021166.1	Ca_kabuli_chr07	10224506	CC	TT	1940388534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_131971_10227030	NC_021166.1	Ca_kabuli_chr07	10227030	GG	AA	1940388537
SNP_P1_131972_10227061	NC_021166.1	Ca_kabuli_chr07	10227061	GG	TT	1940388539
SNP_P1_131973_10227091	NC_021166.1	Ca_kabuli_chr07	10227091	TT	AA	1940388541
SNP_P1_131974_10227182	NC_021166.1	Ca_kabuli_chr07	10227182	TT	GG	1940388543
SNP_P1_131975_10227199	NC_021166.1	Ca_kabuli_chr07	10227199	AA	CC	1940388545
SNP_P1_131976_10227220	NC_021166.1	Ca_kabuli_chr07	10227220	AA	GG	1940388546
SNP_P1_131977_10227292	NC_021166.1	Ca_kabuli_chr07	10227292	TT	CC	1940388548
SNP_P1_131978_10227431	NC_021166.1	Ca_kabuli_chr07	10227431	GG	AA	1940388550
SNP_P1_131979_10227566	NC_021166.1	Ca_kabuli_chr07	10227566	TT	CC	1940388552
SNP_P1_131980_10227578	NC_021166.1	Ca_kabuli_chr07	10227578	AA	GG	1940388554
SNP_P1_131981_10228234	NC_021166.1	Ca_kabuli_chr07	10228234	CC	TT	1940388555
SNP_P1_131982_10228319	NC_021166.1	Ca_kabuli_chr07	10228319	AA	CC	1940388557
SNP_P1_131983_10229759	NC_021166.1	Ca_kabuli_chr07	10229759	GG	AA	1940388559
SNP_P1_131984_10229879	NC_021166.1	Ca_kabuli_chr07	10229879	AA	TT	1940388561
SNP_P1_131985_10229910	NC_021166.1	Ca_kabuli_chr07	10229910	GG	AA	1940388563
SNP_P1_131986_10229930	NC_021166.1	Ca_kabuli_chr07	10229930	TT	CC	1940388564
SNP_P1_131987_10230029	NC_021166.1	Ca_kabuli_chr07	10230029	CC	TT	1940388566
SNP_P1_131988_10230083	NC_021166.1	Ca_kabuli_chr07	10230083	AA	CC	1940388568
SNP_P1_131989_10230099	NC_021166.1	Ca_kabuli_chr07	10230099	GG	AA	1940388570
SNP_P1_131991_10230194	NC_021166.1	Ca_kabuli_chr07	10230194	AA	GG	1940388572
SNP_P1_131992_10230286	NC_021166.1	Ca_kabuli_chr07	10230286	TT	CC	1940388573
SNP_P1_131993_10230291	NC_021166.1	Ca_kabuli_chr07	10230291	AA	GG	1940388575
SNP_P1_131994_10230422	NC_021166.1	Ca_kabuli_chr07	10230422	AA	CC	1940388577
SNP_P1_131996_10231391	NC_021166.1	Ca_kabuli_chr07	10231391	TT	GG	1940388579
SNP_P1_131997_10232520	NC_021166.1	Ca_kabuli_chr07	10232520	GG	AA	1940388581
SNP_P1_131998_10233468	NC_021166.1	Ca_kabuli_chr07	10233468	AA	GG	1940388582
SNP_P1_131999_10233678	NC_021166.1	Ca_kabuli_chr07	10233678	CC	TT	1940388584
SNP_P1_132000_10233692	NC_021166.1	Ca_kabuli_chr07	10233692	GG	AA	1940388586
SNP_P1_132001_10233759	NC_021166.1	Ca_kabuli_chr07	10233759	CC	TT	1940388588
SNP_P1_132002_10233814	NC_021166.1	Ca_kabuli_chr07	10233814	GG	AA	1940388589
SNP_P1_132003_10233820	NC_021166.1	Ca_kabuli_chr07	10233820	CC	TT	1940388591
SNP_P1_132004_10233825	NC_021166.1	Ca_kabuli_chr07	10233825	CC	AA	1940388593
SNP_P1_132005_10233846	NC_021166.1	Ca_kabuli_chr07	10233846	CC	TT	1940388595
SNP_P1_132006_10234038	NC_021166.1	Ca_kabuli_chr07	10234038	CC	TT	1940388597
SNP_P1_132007_10234055	NC_021166.1	Ca_kabuli_chr07	10234055	CC	TT	1940388598
SNP_P1_132008_10234088	NC_021166.1	Ca_kabuli_chr07	10234088	CC	TT	1940388600
SNP_P1_132009_10237396	NC_021166.1	Ca_kabuli_chr07	10237396	AA	CC	1940388602
SNP_P1_132010_10237437	NC_021166.1	Ca_kabuli_chr07	10237437	AA	GG	1940388604
SNP_P1_132011_10237625	NC_021166.1	Ca_kabuli_chr07	10237625	AA	GG	1940388606
SNP_P1_132012_10237633	NC_021166.1	Ca_kabuli_chr07	10237633	CC	TT	1940388607
SNP_P1_132013_10237634	NC_021166.1	Ca_kabuli_chr07	10237634	GG	AA	1940388609

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132015_10238806	NC_021166.1	Ca_kabuli_chr07	10238806	CC	AA	1940388613
SNP_P1_132016_10238931	NC_021166.1	Ca_kabuli_chr07	10238931	GG	CC	1940388615
SNP_P1_132017_10238936	NC_021166.1	Ca_kabuli_chr07	10238936	CC	TT	1940388616
SNP_P1_132018_10239073	NC_021166.1	Ca_kabuli_chr07	10239073	CC	TT	1940388618
SNP_P1_132020_10240704	NC_021166.1	Ca_kabuli_chr07	10240704	GG	AA	1940388620
SNP_P1_132021_10240733	NC_021166.1	Ca_kabuli_chr07	10240733	AA	GG	1940388622
SNP_P1_132022_10240989	NC_021166.1	Ca_kabuli_chr07	10240989	TT	CC	1940388624
SNP_P1_132023_10241041	NC_021166.1	Ca_kabuli_chr07	10241041	AA	GG	1940388625
SNP_P1_132024_10241479	NC_021166.1	Ca_kabuli_chr07	10241479	TT	CC	1940388627
SNP_P1_132026_10242890	NC_021166.1	Ca_kabuli_chr07	10242890	GG	CC	1940388629
SNP_P1_132027_10242891	NC_021166.1	Ca_kabuli_chr07	10242891	GG	CC	1940388631
SNP_P1_132028_10242984	NC_021166.1	Ca_kabuli_chr07	10242984	TT	CC	1940388632
SNP_P1_132029_10243075	NC_021166.1	Ca_kabuli_chr07	10243075	TT	CC	1940388634
SNP_P1_132030_10243400	NC_021166.1	Ca_kabuli_chr07	10243400	AA	GG	1940388636
SNP_P1_132031_10243420	NC_021166.1	Ca_kabuli_chr07	10243420	CC	TT	1940388638
SNP_P1_132032_10247414	NC_021166.1	Ca_kabuli_chr07	10247414	AA	GG	1940388639
SNP_P1_132034_10248323	NC_021166.1	Ca_kabuli_chr07	10248323	TT	CC	1940388641
SNP_P1_132035_10249237	NC_021166.1	Ca_kabuli_chr07	10249237	AA	TT	1940388643
SNP_P1_132036_10251101	NC_021166.1	Ca_kabuli_chr07	10251101	AA	TT	1940388645
SNP_P1_132037_10251187	NC_021166.1	Ca_kabuli_chr07	10251187	GG	TT	1940388647
SNP_P1_132038_10252890	NC_021166.1	Ca_kabuli_chr07	10252890	CC	TT	1940388648
SNP_P1_132039_10254725	NC_021166.1	Ca_kabuli_chr07	10254725	TT	CC	1940388650
SNP_P1_132041_10256571	NC_021166.1	Ca_kabuli_chr07	10256571	CC	TT	1940388652
SNP_P1_132042_10258494	NC_021166.1	Ca_kabuli_chr07	10258494	CC	TT	1940388654
SNP_P1_132043_10258523	NC_021166.1	Ca_kabuli_chr07	10258523	TT	AA	1940388655
SNP_P1_132044_10258753	NC_021166.1	Ca_kabuli_chr07	10258753	AA	CC	1940388657
SNP_P1_132045_10258933	NC_021166.1	Ca_kabuli_chr07	10258933	GG	TT	1940388659
SNP_P1_132046_10258951	NC_021166.1	Ca_kabuli_chr07	10258951	TT	GG	1940388661
SNP_P1_132047_10259007	NC_021166.1	Ca_kabuli_chr07	10259007	GG	AA	1940388663
SNP_P1_132048_10259427	NC_021166.1	Ca_kabuli_chr07	10259427	AA	TT	1940388664
SNP_P1_132049_10259525	NC_021166.1	Ca_kabuli_chr07	10259525	AA	GG	1940388666
SNP_P1_132050_10260114	NC_021166.1	Ca_kabuli_chr07	10260114	CC	GG	1940388668
SNP_P1_132051_10260152	NC_021166.1	Ca_kabuli_chr07	10260152	TT	AA	1940388670
SNP_P1_132054_10260391	NC_021166.1	Ca_kabuli_chr07	10260391	GG	TT	1940388671
SNP_P1_132055_10260394	NC_021166.1	Ca_kabuli_chr07	10260394	CC	GG	1940388673
SNP_P1_132056_10260595	NC_021166.1	Ca_kabuli_chr07	10260595	CC	TT	1940388675
SNP_P1_132058_10260916	NC_021166.1	Ca_kabuli_chr07	10260916	CC	TT	1940388677
SNP_P1_132059_10260957	NC_021166.1	Ca_kabuli_chr07	10260957	AA	GG	1940388679
SNP_P1_132060_10261927	NC_021166.1	Ca_kabuli_chr07	10261927	CC	AA	1940388680
SNP_P1_132061_10266373	NC_021166.1	Ca_kabuli_chr07	10266373	AA	TT	1940388682
SNP_P1_132062_10266382	NC_021166.1	Ca_kabuli_chr07	10266382	AA	TT	1940388684

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132064_10267133	NC_021166.1	Ca_kabuli_chr07	10267133	TT	CC	1940388687
SNP_P1_132065_10270071	NC_021166.1	Ca_kabuli_chr07	10270071	TT	CC	1940388689
SNP_P1_132066_10272360	NC_021166.1	Ca_kabuli_chr07	10272360	CC	TT	1940388691
SNP_P1_132067_10272362	NC_021166.1	Ca_kabuli_chr07	10272362	TT	AA	1940388693
SNP_P1_132068_10272363	NC_021166.1	Ca_kabuli_chr07	10272363	AA	CC	1940388695
SNP_P1_132069_10272372	NC_021166.1	Ca_kabuli_chr07	10272372	CC	TT	1940388696
SNP_P1_132070_10272388	NC_021166.1	Ca_kabuli_chr07	10272388	GG	AA	1940388698
SNP_P1_132071_10272422	NC_021166.1	Ca_kabuli_chr07	10272422	AA	GG	1940388700
SNP_P1_132072_10272618	NC_021166.1	Ca_kabuli_chr07	10272618	GG	AA	1940388702
SNP_P1_132074_10272705	NC_021166.1	Ca_kabuli_chr07	10272705	TT	CC	1940388703
SNP_P1_132075_10272765	NC_021166.1	Ca_kabuli_chr07	10272765	GG	TT	1940388705
SNP_P1_132076_10272777	NC_021166.1	Ca_kabuli_chr07	10272777	AA	GG	1940388707
SNP_P1_132078_10273274	NC_021166.1	Ca_kabuli_chr07	10273274	CC	TT	1940388709
SNP_P1_132079_10273287	NC_021166.1	Ca_kabuli_chr07	10273287	TT	GG	1940388711
SNP_P1_132080_10273326	NC_021166.1	Ca_kabuli_chr07	10273326	AA	GG	1940388712
SNP_P1_132081_10273375	NC_021166.1	Ca_kabuli_chr07	10273375	AA	GG	1940388714
SNP_P1_132083_10274121	NC_021166.1	Ca_kabuli_chr07	10274121	GG	AA	1940388716
SNP_P1_132084_10274204	NC_021166.1	Ca_kabuli_chr07	10274204	GG	AA	1940388718
SNP_P1_132085_10274208	NC_021166.1	Ca_kabuli_chr07	10274208	GG	CC	1940388719
SNP_P1_132086_10274951	NC_021166.1	Ca_kabuli_chr07	10274951	CC	TT	1940388721
SNP_P1_132087_10274997	NC_021166.1	Ca_kabuli_chr07	10274997	CC	TT	1940388723
SNP_P1_132088_10275021	NC_021166.1	Ca_kabuli_chr07	10275021	TT	GG	1940388725
SNP_P1_132089_10275535	NC_021166.1	Ca_kabuli_chr07	10275535	GG	AA	1940388727
SNP_P1_132091_10287225	NC_021166.1	Ca_kabuli_chr07	10287225	CC	TT	1940388728
SNP_P1_132092_10289054	NC_021166.1	Ca_kabuli_chr07	10289054	CC	TT	1940388730
SNP_P1_132093_10289067	NC_021166.1	Ca_kabuli_chr07	10289067	TT	AA	1940388732
SNP_P1_132094_10289080	NC_021166.1	Ca_kabuli_chr07	10289080	TT	CC	1940388734
SNP_P1_132096_10289661	NC_021166.1	Ca_kabuli_chr07	10289661	AA	TT	1940388735
SNP_P1_132097_10289720	NC_021166.1	Ca_kabuli_chr07	10289720	GG	TT	1940388737
SNP_P1_132098_10289888	NC_021166.1	Ca_kabuli_chr07	10289888	GG	AA	1940388739
SNP_P1_132099_10289893	NC_021166.1	Ca_kabuli_chr07	10289893	CC	AA	1940388741
SNP_P1_132100_10289901	NC_021166.1	Ca_kabuli_chr07	10289901	GG	AA	1940388742
SNP_P1_132102_10290224	NC_021166.1	Ca_kabuli_chr07	10290224	TT	CC	1940388744
SNP_P1_132104_10290356	NC_021166.1	Ca_kabuli_chr07	10290356	TT	GG	1940388746
SNP_P1_132106_10291022	NC_021166.1	Ca_kabuli_chr07	10291022	GG	CC	1940388748
SNP_P1_132107_10292096	NC_021166.1	Ca_kabuli_chr07	10292096	CC	GG	1940388750
SNP_P1_132108_10293308	NC_021166.1	Ca_kabuli_chr07	10293308	AA	GG	1940388751
SNP_P1_132109_10294900	NC_021166.1	Ca_kabuli_chr07	10294900	GG	TT	1940388753
SNP_P1_132110_10297275	NC_021166.1	Ca_kabuli_chr07	10297275	AA	GG	1940388755
SNP_P1_132112_10297352	NC_021166.1	Ca_kabuli_chr07	10297352	AA	TT	1940388757
SNP_P1_132113_10297547	NC_021166.1	Ca_kabuli_chr07	10297547	CC	TT	1940388758

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132115_10297582	NC_021166.1	Ca_kabuli_chr07	10297582	AA	GG	1940388762
SNP_P1_132116_10297748	NC_021166.1	Ca_kabuli_chr07	10297748	GG	AA	1940388764
SNP_P1_132117_10297768	NC_021166.1	Ca_kabuli_chr07	10297768	AA	GG	1940388766
SNP_P1_132118_10298582	NC_021166.1	Ca_kabuli_chr07	10298582	TT	GG	1940388767
SNP_P1_132119_10298640	NC_021166.1	Ca_kabuli_chr07	10298640	CC	TT	1940388769
SNP_P1_132120_10298644	NC_021166.1	Ca_kabuli_chr07	10298644	GG	AA	1940388771
SNP_P1_132121_10298726	NC_021166.1	Ca_kabuli_chr07	10298726	CC	TT	1940388773
SNP_P1_132122_10298735	NC_021166.1	Ca_kabuli_chr07	10298735	AA	CC	1940388775
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SNP_P1_132124_10302256	NC_021166.1	Ca_kabuli_chr07	10302256	TT	GG	1940388778
SNP_P1_132125_10302524	NC_021166.1	Ca_kabuli_chr07	10302524	GG	TT	1940388780
SNP_P1_132126_10302730	NC_021166.1	Ca_kabuli_chr07	10302730	GG	AA	1940388782
SNP_P1_132127_10302731	NC_021166.1	Ca_kabuli_chr07	10302731	GG	AA	1940388784
SNP_P1_132128_10302788	NC_021166.1	Ca_kabuli_chr07	10302788	TT	GG	1940388785
SNP_P1_132129_10302809	NC_021166.1	Ca_kabuli_chr07	10302809	TT	CC	1940388787
SNP_P1_132130_10302959	NC_021166.1	Ca_kabuli_chr07	10302959	CC	TT	1940388789
SNP_P1_132131_10303038	NC_021166.1	Ca_kabuli_chr07	10303038	AA	GG	1940388791
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SNP_P1_132134_10305831	NC_021166.1	Ca_kabuli_chr07	10305831	TT	CC	1940388796
SNP_P1_132135_10305840	NC_021166.1	Ca_kabuli_chr07	10305840	CC	AA	1940388798
SNP_P1_132136_10305937	NC_021166.1	Ca_kabuli_chr07	10305937	GG	TT	1940388800
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SNP_P1_132138_10306187	NC_021166.1	Ca_kabuli_chr07	10306187	TT	CC	1940388803
SNP_P1_132139_10306191	NC_021166.1	Ca_kabuli_chr07	10306191	TT	CC	1940388805
SNP_P1_132140_10306231	NC_021166.1	Ca_kabuli_chr07	10306231	AA	GG	1940388807
SNP_P1_132141_10306244	NC_021166.1	Ca_kabuli_chr07	10306244	GG	AA	1940388809
SNP_P1_132142_10306274	NC_021166.1	Ca_kabuli_chr07	10306274	CC	TT	1940388810
SNP_P1_132143_10307072	NC_021166.1	Ca_kabuli_chr07	10307072	GG	TT	1940388812
SNP_P1_132144_10307292	NC_021166.1	Ca_kabuli_chr07	10307292	AA	GG	1940388814
SNP_P1_132145_10308022	NC_021166.1	Ca_kabuli_chr07	10308022	CC	TT	1940388816
SNP_P1_132146_10308878	NC_021166.1	Ca_kabuli_chr07	10308878	AA	CC	1940388817
SNP_P1_132147_10309179	NC_021166.1	Ca_kabuli_chr07	10309179	TT	AA	1940388819
SNP_P1_132148_10311334	NC_021166.1	Ca_kabuli_chr07	10311334	GG	AA	1940388821
SNP_P1_132149_10311368	NC_021166.1	Ca_kabuli_chr07	10311368	TT	CC	1940388823
SNP_P1_132150_10311950	NC_021166.1	Ca_kabuli_chr07	10311950	GG	AA	1940388824
SNP_P1_132151_10313186	NC_021166.1	Ca_kabuli_chr07	10313186	TT	CC	1940388826
SNP_P1_132154_10316000	NC_021166.1	Ca_kabuli_chr07	10316000	CC	TT	1940388828
SNP_P1_132155_10317447	NC_021166.1	Ca_kabuli_chr07	10317447	GG	AA	1940388830
SNP_P1_132156_10317770	NC_021166.1	Ca_kabuli_chr07	10317770	AA	GG	1940388832
SNP_P1_132157_10320139	NC_021166.1	Ca_kabuli_chr07	10320139	TT	AA	1940388833

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132161_10323121	NC_021166.1	Ca_kabuli_chr07	10323121	CC	TT	1940388839
SNP_P1_132162_10323132	NC_021166.1	Ca_kabuli_chr07	10323132	AA	GG	1940388840
SNP_P1_132163_10323165	NC_021166.1	Ca_kabuli_chr07	10323165	AA	GG	1940388842
SNP_P1_132164_10323209	NC_021166.1	Ca_kabuli_chr07	10323209	TT	CC	1940388844
SNP_P1_132165_10323876	NC_021166.1	Ca_kabuli_chr07	10323876	AA	TT	1940388846
SNP_P1_132166_10324764	NC_021166.1	Ca_kabuli_chr07	10324764	GG	AA	1940388848
SNP_P1_132167_10325054	NC_021166.1	Ca_kabuli_chr07	10325054	GG	TT	1940388849
SNP_P1_132168_10325303	NC_021166.1	Ca_kabuli_chr07	10325303	CC	TT	1940388851
SNP_P1_132169_10325896	NC_021166.1	Ca_kabuli_chr07	10325896	GG	CC	1940388853
SNP_P1_132170_10326759	NC_021166.1	Ca_kabuli_chr07	10326759	AA	GG	1940388855
SNP_P1_132171_10326969	NC_021166.1	Ca_kabuli_chr07	10326969	TT	CC	1940388856
SNP_P1_132172_10329261	NC_021166.1	Ca_kabuli_chr07	10329261	GG	AA	1940388858
SNP_P1_132173_10329949	NC_021166.1	Ca_kabuli_chr07	10329949	GG	AA	1940388860
SNP_P1_132174_10330841	NC_021166.1	Ca_kabuli_chr07	10330841	CC	TT	1940388862
SNP_P1_132175_10330860	NC_021166.1	Ca_kabuli_chr07	10330860	AA	CC	1940388864
SNP_P1_132176_10330908	NC_021166.1	Ca_kabuli_chr07	10330908	CC	TT	1940388865
SNP_P1_132177_10330976	NC_021166.1	Ca_kabuli_chr07	10330976	CC	TT	1940388867
SNP_P1_132178_10331711	NC_021166.1	Ca_kabuli_chr07	10331711	CC	GG	1940388869
SNP_P1_132179_10332438	NC_021166.1	Ca_kabuli_chr07	10332438	AA	CC	1940388871
SNP_P1_132180_10333734	NC_021166.1	Ca_kabuli_chr07	10333734	AA	TT	1940388873
SNP_P1_132181_10335489	NC_021166.1	Ca_kabuli_chr07	10335489	TT	CC	1940388874
SNP_P1_132182_10336853	NC_021166.1	Ca_kabuli_chr07	10336853	GG	AA	1940388876
SNP_P1_132185_10340265	NC_021166.1	Ca_kabuli_chr07	10340265	AA	GG	1940388878
SNP_P1_132186_10340305	NC_021166.1	Ca_kabuli_chr07	10340305	GG	AA	1940388880
SNP_P1_132187_10341176	NC_021166.1	Ca_kabuli_chr07	10341176	CC	TT	1940388881
SNP_P1_132188_10341947	NC_021166.1	Ca_kabuli_chr07	10341947	GG	AA	1940388883
SNP_P1_132190_10344749	NC_021166.1	Ca_kabuli_chr07	10344749	CC	TT	1940388885
SNP_P1_132191_10345012	NC_021166.1	Ca_kabuli_chr07	10345012	CC	TT	1940388887
SNP_P1_132192_10346852	NC_021166.1	Ca_kabuli_chr07	10346852	CC	TT	1940388889
SNP_P1_132193_10349461	NC_021166.1	Ca_kabuli_chr07	10349461	CC	TT	1940388890
SNP_P1_132195_10352432	NC_021166.1	Ca_kabuli_chr07	10352432	AA	TT	1940388892
SNP_P1_132196_10352439	NC_021166.1	Ca_kabuli_chr07	10352439	TT	CC	1940388894
SNP_P1_132197_10355169	NC_021166.1	Ca_kabuli_chr07	10355169	AA	CC	1940388896
SNP_P1_132198_10355224	NC_021166.1	Ca_kabuli_chr07	10355224	TT	CC	1940388897
SNP_P1_132199_10355229	NC_021166.1	Ca_kabuli_chr07	10355229	TT	CC	1940388899
SNP_P1_132200_10355259	NC_021166.1	Ca_kabuli_chr07	10355259	AA	GG	1940388901
SNP_P1_132201_10355337	NC_021166.1	Ca_kabuli_chr07	10355337	GG	TT	1940388903
SNP_P1_132202_10355378	NC_021166.1	Ca_kabuli_chr07	10355378	TT	CC	1940388905
SNP_P1_132203_10355487	NC_021166.1	Ca_kabuli_chr07	10355487	CC	TT	1940388906
SNP_P1_132204_10355509	NC_021166.1	Ca_kabuli_chr07	10355509	CC	TT	1940388908

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132208_10355815	NC_021166.1	Ca_kabuli_chr07	10355815	TT	AA	1940388912
SNP_P1_132210_10358388	NC_021166.1	Ca_kabuli_chr07	10358388	TT	AA	1940388913
SNP_P1_132211_10358575	NC_021166.1	Ca_kabuli_chr07	10358575	TT	AA	1940388915
SNP_P1_132212_10359681	NC_021166.1	Ca_kabuli_chr07	10359681	AA	TT	1940388917
SNP_P1_132213_10361670	NC_021166.1	Ca_kabuli_chr07	10361670	CC	TT	1940388919
SNP_P1_132214_10362670	NC_021166.1	Ca_kabuli_chr07	10362670	CC	TT	1940388921
SNP_P1_132215_10365341	NC_021166.1	Ca_kabuli_chr07	10365341	AA	GG	1940388922
SNP_P1_132216_10365410	NC_021166.1	Ca_kabuli_chr07	10365410	TT	GG	1940388924
SNP_P1_132217_10365427	NC_021166.1	Ca_kabuli_chr07	10365427	AA	GG	1940388926
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SNP_P1_132221_10366296	NC_021166.1	Ca_kabuli_chr07	10366296	AA	GG	1940388929
SNP_P1_132222_10366516	NC_021166.1	Ca_kabuli_chr07	10366516	CC	TT	1940388931
SNP_P1_132223_10366776	NC_021166.1	Ca_kabuli_chr07	10366776	AA	GG	1940388933
SNP_P1_132225_10367106	NC_021166.1	Ca_kabuli_chr07	10367106	TT	CC	1940388935
SNP_P1_132226_10367261	NC_021166.1	Ca_kabuli_chr07	10367261	CC	AA	1940388936
SNP_P1_132227_10367366	NC_021166.1	Ca_kabuli_chr07	10367366	GG	AA	1940388938
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SNP_P1_132229_10367400	NC_021166.1	Ca_kabuli_chr07	10367400	TT	CC	1940388942
SNP_P1_132230_10367953	NC_021166.1	Ca_kabuli_chr07	10367953	TT	AA	1940388944
SNP_P1_132231_10368626	NC_021166.1	Ca_kabuli_chr07	10368626	AA	TT	1940388945
SNP_P1_132232_10369025	NC_021166.1	Ca_kabuli_chr07	10369025	CC	TT	1940388947
SNP_P1_132233_10369029	NC_021166.1	Ca_kabuli_chr07	10369029	AA	GG	1940388949
SNP_P1_132234_10369068	NC_021166.1	Ca_kabuli_chr07	10369068	CC	TT	1940388951
SNP_P1_132235_10369167	NC_021166.1	Ca_kabuli_chr07	10369167	AA	GG	1940388953
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SNP_P1_132237_10369190	NC_021166.1	Ca_kabuli_chr07	10369190	CC	TT	1940388956
SNP_P1_132238_10369342	NC_021166.1	Ca_kabuli_chr07	10369342	TT	CC	1940388958
SNP_P1_132239_10369353	NC_021166.1	Ca_kabuli_chr07	10369353	GG	AA	1940388960
SNP_P1_132240_10369936	NC_021166.1	Ca_kabuli_chr07	10369936	TT	AA	1940388961
SNP_P1_132241_10370663	NC_021166.1	Ca_kabuli_chr07	10370663	AA	CC	1940388963
SNP_P1_132243_10375899	NC_021166.1	Ca_kabuli_chr07	10375899	TT	AA	1940388965
SNP_P1_132245_10378462	NC_021166.1	Ca_kabuli_chr07	10378462	TT	CC	1940388967
SNP_P1_132247_10378689	NC_021166.1	Ca_kabuli_chr07	10378689	AA	TT	1940388969
SNP_P1_132248_10379034	NC_021166.1	Ca_kabuli_chr07	10379034	GG	AA	1940388970
SNP_P1_132249_10379038	NC_021166.1	Ca_kabuli_chr07	10379038	AA	TT	1940388972
SNP_P1_132250_10379053	NC_021166.1	Ca_kabuli_chr07	10379053	AA	CC	1940388974
SNP_P1_132251_10379263	NC_021166.1	Ca_kabuli_chr07	10379263	TT	CC	1940388976
SNP_P1_132252_10379462	NC_021166.1	Ca_kabuli_chr07	10379462	AA	TT	1940388977
SNP_P1_132253_10379627	NC_021166.1	Ca_kabuli_chr07	10379627	AA	TT	1940388979
SNP_P1_132254_10379630	NC_021166.1	Ca_kabuli_chr07	10379630	CC	GG	1940388981
SNP_P1_132255_10379645	NC_021166.1	Ca_kabuli_chr07	10379645	TT	CC	1940388983

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132259_10382234	NC_021166.1	Ca_kabuli_chr07	10382234	TT	AA	1940388986
SNP_P1_132260_10383847	NC_021166.1	Ca_kabuli_chr07	10383847	AA	GG	1940388988
SNP_P1_132261_10384037	NC_021166.1	Ca_kabuli_chr07	10384037	TT	CC	1940388990
SNP_P1_132262_10384294	NC_021166.1	Ca_kabuli_chr07	10384294	CC	TT	1940388992
SNP_P1_132263_10384296	NC_021166.1	Ca_kabuli_chr07	10384296	CC	AA	1940388993
SNP_P1_132264_10384359	NC_021166.1	Ca_kabuli_chr07	10384359	TT	CC	1940388995
SNP_P1_132265_10384426	NC_021166.1	Ca_kabuli_chr07	10384426	TT	CC	1940388997
SNP_P1_132266_10384447	NC_021166.1	Ca_kabuli_chr07	10384447	CC	TT	1940388999
SNP_P1_132267_10385064	NC_021166.1	Ca_kabuli_chr07	10385064	GG	AA	1940389001
SNP_P1_132268_10385607	NC_021166.1	Ca_kabuli_chr07	10385607	CC	TT	1940389002
SNP_P1_132269_10385911	NC_021166.1	Ca_kabuli_chr07	10385911	AA	GG	1940389004
SNP_P1_132270_10385912	NC_021166.1	Ca_kabuli_chr07	10385912	CC	TT	1940389006
SNP_P1_132271_10385914	NC_021166.1	Ca_kabuli_chr07	10385914	AA	GG	1940389008
SNP_P1_132272_10385930	NC_021166.1	Ca_kabuli_chr07	10385930	AA	CC	1940389009
SNP_P1_132273_10386639	NC_021166.1	Ca_kabuli_chr07	10386639	CC	TT	1940389011
SNP_P1_132274_10386913	NC_021166.1	Ca_kabuli_chr07	10386913	AA	TT	1940389013
SNP_P1_132275_10386929	NC_021166.1	Ca_kabuli_chr07	10386929	TT	AA	1940389015
SNP_P1_132276_10387218	NC_021166.1	Ca_kabuli_chr07	10387218	TT	CC	1940389017
SNP_P1_132277_10388518	NC_021166.1	Ca_kabuli_chr07	10388518	TT	CC	1940389018
SNP_P1_132278_10389367	NC_021166.1	Ca_kabuli_chr07	10389367	AA	GG	1940389020
SNP_P1_132279_10389450	NC_021166.1	Ca_kabuli_chr07	10389450	AA	GG	1940389022
SNP_P1_132280_10389478	NC_021166.1	Ca_kabuli_chr07	10389478	TT	GG	1940389024
SNP_P1_132282_10390315	NC_021166.1	Ca_kabuli_chr07	10390315	GG	AA	1940389025
SNP_P1_132284_10391077	NC_021166.1	Ca_kabuli_chr07	10391077	TT	GG	1940389027
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SNP_P1_132286_10391691	NC_021166.1	Ca_kabuli_chr07	10391691	GG	AA	1940389031
SNP_P1_132287_10391706	NC_021166.1	Ca_kabuli_chr07	10391706	CC	TT	1940389033
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SNP_P1_132290_10391899	NC_021166.1	Ca_kabuli_chr07	10391899	GG	AA	1940389038
SNP_P1_132291_10391905	NC_021166.1	Ca_kabuli_chr07	10391905	GG	AA	1940389040
SNP_P1_132292_10391906	NC_021166.1	Ca_kabuli_chr07	10391906	CC	AA	1940389041
SNP_P1_132293_10391924	NC_021166.1	Ca_kabuli_chr07	10391924	TT	GG	1940389043
SNP_P1_132294_10391959	NC_021166.1	Ca_kabuli_chr07	10391959	AA	GG	1940389045
SNP_P1_132295_10391965	NC_021166.1	Ca_kabuli_chr07	10391965	AA	TT	1940389047
SNP_P1_132296_10391966	NC_021166.1	Ca_kabuli_chr07	10391966	CC	TT	1940389049
SNP_P1_132297_10392256	NC_021166.1	Ca_kabuli_chr07	10392256	TT	AA	1940389050
SNP_P1_132298_10393004	NC_021166.1	Ca_kabuli_chr07	10393004	AA	TT	1940389052
SNP_P1_132299_10393029	NC_021166.1	Ca_kabuli_chr07	10393029	GG	CC	1940389054
SNP_P1_132301_10393482	NC_021166.1	Ca_kabuli_chr07	10393482	GG	CC	1940389056
SNP_P1_132302_10393617	NC_021166.1	Ca_kabuli_chr07	10393617	AA	TT	1940389058

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132304_10393851	NC_021166.1	Ca_kabuli_chr07	10393851	CC	TT	1940389061
SNP_P1_132305_10393870	NC_021166.1	Ca_kabuli_chr07	10393870	TT	CC	1940389063
SNP_P1_132306_10393874	NC_021166.1	Ca_kabuli_chr07	10393874	CC	TT	1940389065
SNP_P1_132307_10393878	NC_021166.1	Ca_kabuli_chr07	10393878	GG	AA	1940389066
SNP_P1_132308_10393891	NC_021166.1	Ca_kabuli_chr07	10393891	TT	CC	1940389068
SNP_P1_132309_10394422	NC_021166.1	Ca_kabuli_chr07	10394422	TT	CC	1940389070
SNP_P1_132311_10394778	NC_021166.1	Ca_kabuli_chr07	10394778	TT	CC	1940389072
SNP_P1_132312_10394779	NC_021166.1	Ca_kabuli_chr07	10394779	GG	AA	1940389074
SNP_P1_132313_10394790	NC_021166.1	Ca_kabuli_chr07	10394790	GG	AA	1940389075
SNP_P1_132314_10394916	NC_021166.1	Ca_kabuli_chr07	10394916	GG	TT	1940389077
SNP_P1_132315_10394935	NC_021166.1	Ca_kabuli_chr07	10394935	GG	AA	1940389079
SNP_P1_132316_10394956	NC_021166.1	Ca_kabuli_chr07	10394956	GG	AA	1940389081
SNP_P1_132317_10395011	NC_021166.1	Ca_kabuli_chr07	10395011	TT	CC	1940389083
SNP_P1_132318_10395022	NC_021166.1	Ca_kabuli_chr07	10395022	GG	AA	1940389084
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SNP_P1_132320_10395134	NC_021166.1	Ca_kabuli_chr07	10395134	GG	AA	1940389088
SNP_P1_132321_10395146	NC_021166.1	Ca_kabuli_chr07	10395146	CC	TT	1940389090
SNP_P1_132322_10395438	NC_021166.1	Ca_kabuli_chr07	10395438	CC	GG	1940389091
SNP_P1_132323_10395473	NC_021166.1	Ca_kabuli_chr07	10395473	AA	GG	1940389093
SNP_P1_132324_10395532	NC_021166.1	Ca_kabuli_chr07	10395532	CC	AA	1940389095
SNP_P1_132326_10395637	NC_021166.1	Ca_kabuli_chr07	10395637	TT	GG	1940389097
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SNP_P1_132328_10396017	NC_021166.1	Ca_kabuli_chr07	10396017	CC	TT	1940389100
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SNP_P1_132332_10396896	NC_021166.1	Ca_kabuli_chr07	10396896	TT	AA	1940389106
SNP_P1_132333_10396899	NC_021166.1	Ca_kabuli_chr07	10396899	AA	CC	1940389107
SNP_P1_132334_10399614	NC_021166.1	Ca_kabuli_chr07	10399614	TT	CC	1940389109
SNP_P1_132335_10399828	NC_021166.1	Ca_kabuli_chr07	10399828	TT	CC	1940389111
SNP_P1_132336_10399835	NC_021166.1	Ca_kabuli_chr07	10399835	CC	TT	1940389113
SNP_P1_132337_10399889	NC_021166.1	Ca_kabuli_chr07	10399889	CC	GG	1940389115
SNP_P1_132338_10400805	NC_021166.1	Ca_kabuli_chr07	10400805	AA	GG	1940389116
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SNP_P1_132340_10400828	NC_021166.1	Ca_kabuli_chr07	10400828	CC	TT	1940389120
SNP_P1_132341_10401006	NC_021166.1	Ca_kabuli_chr07	10401006	AA	GG	1940389122
SNP_P1_132342_10401047	NC_021166.1	Ca_kabuli_chr07	10401047	CC	TT	1940389123
SNP_P1_132343_10401085	NC_021166.1	Ca_kabuli_chr07	10401085	CC	TT	1940389125
SNP_P1_132344_10401349	NC_021166.1	Ca_kabuli_chr07	10401349	TT	GG	1940389127
SNP_P1_132346_10401686	NC_021166.1	Ca_kabuli_chr07	10401686	CC	TT	1940389129
SNP_P1_132347_10401711	NC_021166.1	Ca_kabuli_chr07	10401711	AA	CC	1940389130
SNP_P1_132348_10401769	NC_021166.1	Ca_kabuli_chr07	10401769	CC	GG	1940389132

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132352_10403321	NC_021166.1	Ca_kabuli_chr07	10403321	CC	TT	1940389138
SNP_P1_132353_10403338	NC_021166.1	Ca_kabuli_chr07	10403338	TT	CC	1940389139
SNP_P1_132354_10404160	NC_021166.1	Ca_kabuli_chr07	10404160	GG	TT	1940389141
SNP_P1_132355_10405573	NC_021166.1	Ca_kabuli_chr07	10405573	GG	AA	1940389143
SNP_P1_132357_10408838	NC_021166.1	Ca_kabuli_chr07	10408838	TT	CC	1940389145
SNP_P1_132358_10409297	NC_021166.1	Ca_kabuli_chr07	10409297	GG	AA	1940389146
SNP_P1_132359_10410573	NC_021166.1	Ca_kabuli_chr07	10410573	GG	CC	1940389148
SNP_P1_132360_10410576	NC_021166.1	Ca_kabuli_chr07	10410576	GG	AA	1940389150
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SNP_P1_132365_10412077	NC_021166.1	Ca_kabuli_chr07	10412077	TT	GG	1940389159
SNP_P1_132366_10412097	NC_021166.1	Ca_kabuli_chr07	10412097	TT	CC	1940389161
SNP_P1_132367_10413327	NC_021166.1	Ca_kabuli_chr07	10413327	GG	TT	1940389162
SNP_P1_132368_10413539	NC_021166.1	Ca_kabuli_chr07	10413539	CC	GG	1940389164
SNP_P1_132369_10413577	NC_021166.1	Ca_kabuli_chr07	10413577	GG	AA	1940389167
SNP_P1_132371_10414435	NC_021166.1	Ca_kabuli_chr07	10414435	TT	GG	1940389169
SNP_P1_132372_10415530	NC_021166.1	Ca_kabuli_chr07	10415530	GG	AA	1940389171
SNP_P1_132375_10416277	NC_021166.1	Ca_kabuli_chr07	10416277	GG	AA	1940389173
SNP_P1_132376_10416300	NC_021166.1	Ca_kabuli_chr07	10416300	GG	AA	1940389174
SNP_P1_132377_10416578	NC_021166.1	Ca_kabuli_chr07	10416578	GG	AA	1940389176
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SNP_P1_132383_10419581	NC_021166.1	Ca_kabuli_chr07	10419581	GG	AA	1940389183
SNP_P1_132384_10420796	NC_021166.1	Ca_kabuli_chr07	10420796	TT	CC	1940389185
SNP_P1_132385_10421133	NC_021166.1	Ca_kabuli_chr07	10421133	AA	GG	1940389187
SNP_P1_132387_10422833	NC_021166.1	Ca_kabuli_chr07	10422833	AA	GG	1940389189
SNP_P1_132388_10423901	NC_021166.1	Ca_kabuli_chr07	10423901	TT	GG	1940389190
SNP_P1_132389_10423908	NC_021166.1	Ca_kabuli_chr07	10423908	AA	CC	1940389192
SNP_P1_132390_10423919	NC_021166.1	Ca_kabuli_chr07	10423919	AA	TT	1940389194
SNP_P1_132392_10424215	NC_021166.1	Ca_kabuli_chr07	10424215	TT	CC	1940389196
SNP_P1_132393_10429964	NC_021166.1	Ca_kabuli_chr07	10429964	AA	CC	1940389197
SNP_P1_132394_10430047	NC_021166.1	Ca_kabuli_chr07	10430047	TT	AA	1940389199
SNP_P1_132395_10430176	NC_021166.1	Ca_kabuli_chr07	10430176	TT	CC	1940389201
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SNP_P1_132397_10431299	NC_021166.1	Ca_kabuli_chr07	10431299	GG	TT	1940389204
SNP_P1_132398_10431988	NC_021166.1	Ca_kabuli_chr07	10431988	TT	GG	1940389206
SNP_P1_132399_10432004	NC_021166.1	Ca_kabuli_chr07	10432004	CC	TT	1940389208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_132400_10432943	NC_021166.1	Ca_kabuli_chr07	10432943	TT	GG	1940389210
SNP_P1_132401_10432960	NC_021166.1	Ca_kabuli_chr07	10432960	TT	AA	1940389212
SNP_P1_132402_10433188	NC_021166.1	Ca_kabuli_chr07	10433188	CC	TT	1940389213
SNP_P1_132404_10433500	NC_021166.1	Ca_kabuli_chr07	10433500	CC	TT	1940389215
SNP_P1_132405_10433501	NC_021166.1	Ca_kabuli_chr07	10433501	TT	CC	1940389217
SNP_P1_132406_10433579	NC_021166.1	Ca_kabuli_chr07	10433579	TT	CC	1940389219
SNP_P1_132407_10433749	NC_021166.1	Ca_kabuli_chr07	10433749	GG	AA	1940389221
SNP_P1_132408_10433916	NC_021166.1	Ca_kabuli_chr07	10433916	CC	GG	1940389222
SNP_P1_132409_10433942	NC_021166.1	Ca_kabuli_chr07	10433942	TT	CC	1940389224
SNP_P1_132410_10433970	NC_021166.1	Ca_kabuli_chr07	10433970	CC	AA	1940389226
SNP_P1_132411_10434031	NC_021166.1	Ca_kabuli_chr07	10434031	CC	TT	1940389228
SNP_P1_132412_10434042	NC_021166.1	Ca_kabuli_chr07	10434042	TT	CC	1940389229
SNP_P1_132413_10434058	NC_021166.1	Ca_kabuli_chr07	10434058	CC	TT	1940389231
SNP_P1_132414_10434059	NC_021166.1	Ca_kabuli_chr07	10434059	CC	GG	1940389233
SNP_P1_132416_10435063	NC_021166.1	Ca_kabuli_chr07	10435063	CC	AA	1940389235
SNP_P1_132417_10435088	NC_021166.1	Ca_kabuli_chr07	10435088	AA	GG	1940389236
SNP_P1_132418_10435609	NC_021166.1	Ca_kabuli_chr07	10435609	TT	GG	1940389238
SNP_P1_132419_10437829	NC_021166.1	Ca_kabuli_chr07	10437829	AA	TT	1940389240
SNP_P1_132420_10437853	NC_021166.1	Ca_kabuli_chr07	10437853	TT	CC	1940389242
SNP_P1_132422_10439418	NC_021166.1	Ca_kabuli_chr07	10439418	TT	CC	1940389244
SNP_P1_132423_10439787	NC_021166.1	Ca_kabuli_chr07	10439787	CC	AA	1940389245
SNP_P1_132424_10441535	NC_021166.1	Ca_kabuli_chr07	10441535	GG	TT	1940389247
SNP_P1_132425_10441536	NC_021166.1	Ca_kabuli_chr07	10441536	CC	AA	1940389249
SNP_P1_132426_10441631	NC_021166.1	Ca_kabuli_chr07	10441631	TT	CC	1940389251
SNP_P1_132427_10441682	NC_021166.1	Ca_kabuli_chr07	10441682	GG	AA	1940389252
SNP_P1_132428_10442681	NC_021166.1	Ca_kabuli_chr07	10442681	AA	GG	1940389254
SNP_P1_132429_10442798	NC_021166.1	Ca_kabuli_chr07	10442798	GG	AA	1940389256
SNP_P1_132430_10442807	NC_021166.1	Ca_kabuli_chr07	10442807	TT	GG	1940389258
SNP_P1_132431_10442812	NC_021166.1	Ca_kabuli_chr07	10442812	GG	AA	1940389260
SNP_P1_132432_10442869	NC_021166.1	Ca_kabuli_chr07	10442869	GG	TT	1940389261
SNP_P1_132433_10442962	NC_021166.1	Ca_kabuli_chr07	10442962	CC	TT	1940389263
SNP_P1_132434_10442974	NC_021166.1	Ca_kabuli_chr07	10442974	GG	AA	1940389265
SNP_P1_132435_10443051	NC_021166.1	Ca_kabuli_chr07	10443051	CC	AA	1940389267
SNP_P1_132436_10443064	NC_021166.1	Ca_kabuli_chr07	10443064	TT	CC	1940389268
SNP_P1_132437_10443194	NC_021166.1	Ca_kabuli_chr07	10443194	AA	TT	1940389270
SNP_P1_132438_10443214	NC_021166.1	Ca_kabuli_chr07	10443214	AA	CC	1940389272
SNP_P1_132439_10443507	NC_021166.1	Ca_kabuli_chr07	10443507	AA	GG	1940389274
SNP_P1_132440_10443520	NC_021166.1	Ca_kabuli_chr07	10443520	GG	AA	1940389276
SNP_P1_132441_10443526	NC_021166.1	Ca_kabuli_chr07	10443526	TT	CC	1940389277
SNP_P1_132442_10443529	NC_021166.1	Ca_kabuli_chr07	10443529	CC	TT	1940389279
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SNP_P1_132444_10443556	NC_021166.1	Ca_kabuli_chr07	10443556	AA	GG	1940389283

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_132445_10443747	NC_021166.1	Ca_kabuli_chr07	10443747	GG	AA	1940389284
SNP_P1_132446_10444172	NC_021166.1	Ca_kabuli_chr07	10444172	GG	AA	1940389286
SNP_P1_132447_10444328	NC_021166.1	Ca_kabuli_chr07	10444328	GG	AA	1940389288
SNP_P1_132448_10444329	NC_021166.1	Ca_kabuli_chr07	10444329	TT	AA	1940389290
SNP_P1_132449_10444331	NC_021166.1	Ca_kabuli_chr07	10444331	CC	AA	1940389292
SNP_P1_132451_10445640	NC_021166.1	Ca_kabuli_chr07	10445640	TT	CC	1940389293
SNP_P1_132452_10445676	NC_021166.1	Ca_kabuli_chr07	10445676	CC	TT	1940389295
SNP_P1_132453_10445694	NC_021166.1	Ca_kabuli_chr07	10445694	TT	AA	1940389297
SNP_P1_132455_10445795	NC_021166.1	Ca_kabuli_chr07	10445795	AA	GG	1940389299
SNP_P1_132456_10446269	NC_021166.1	Ca_kabuli_chr07	10446269	TT	AA	1940389300
SNP_P1_132457_10446292	NC_021166.1	Ca_kabuli_chr07	10446292	CC	AA	1940389302
SNP_P1_132458_10446775	NC_021166.1	Ca_kabuli_chr07	10446775	AA	CC	1940389304
SNP_P1_132459_10446808	NC_021166.1	Ca_kabuli_chr07	10446808	AA	CC	1940389306
SNP_P1_132460_10446821	NC_021166.1	Ca_kabuli_chr07	10446821	CC	TT	1940389308
SNP_P1_132461_10446826	NC_021166.1	Ca_kabuli_chr07	10446826	AA	CC	1940389309
SNP_P1_132462_10446830	NC_021166.1	Ca_kabuli_chr07	10446830	GG	AA	1940389311
SNP_P1_132463_10447108	NC_021166.1	Ca_kabuli_chr07	10447108	GG	AA	1940389313
SNP_P1_132464_10447111	NC_021166.1	Ca_kabuli_chr07	10447111	AA	TT	1940389315
SNP_P1_132466_10447504	NC_021166.1	Ca_kabuli_chr07	10447504	GG	AA	1940389316
SNP_P1_132467_10448129	NC_021166.1	Ca_kabuli_chr07	10448129	AA	CC	1940389318
SNP_P1_132468_10448131	NC_021166.1	Ca_kabuli_chr07	10448131	GG	TT	1940389320
SNP_P1_132470_10448360	NC_021166.1	Ca_kabuli_chr07	10448360	TT	AA	1940389322
SNP_P1_132471_10448487	NC_021166.1	Ca_kabuli_chr07	10448487	AA	GG	1940389324
SNP_P1_132472_10448587	NC_021166.1	Ca_kabuli_chr07	10448587	AA	CC	1940389325
SNP_P1_132473_10448616	NC_021166.1	Ca_kabuli_chr07	10448616	AA	GG	1940389327
SNP_P1_132474_10448859	NC_021166.1	Ca_kabuli_chr07	10448859	CC	TT	1940389329
SNP_P1_132475_10448882	NC_021166.1	Ca_kabuli_chr07	10448882	AA	GG	1940389331
SNP_P1_132476_10448889	NC_021166.1	Ca_kabuli_chr07	10448889	TT	CC	1940389332
SNP_P1_132477_10449083	NC_021166.1	Ca_kabuli_chr07	10449083	TT	CC	1940389334
SNP_P1_132478_10449163	NC_021166.1	Ca_kabuli_chr07	10449163	TT	AA	1940389336
SNP_P1_132479_10449164	NC_021166.1	Ca_kabuli_chr07	10449164	TT	AA	1940389338
SNP_P1_132480_10449176	NC_021166.1	Ca_kabuli_chr07	10449176	TT	CC	1940389339
SNP_P1_132481_10449702	NC_021166.1	Ca_kabuli_chr07	10449702	GG	AA	1940389341
SNP_P1_132482_10449821	NC_021166.1	Ca_kabuli_chr07	10449821	AA	CC	1940389343
SNP_P1_132483_10449844	NC_021166.1	Ca_kabuli_chr07	10449844	CC	TT	1940389345
SNP_P1_132484_10449877	NC_021166.1	Ca_kabuli_chr07	10449877	CC	TT	1940389347
SNP_P1_132485_10449920	NC_021166.1	Ca_kabuli_chr07	10449920	CC	TT	1940389348
SNP_P1_132487_10449956	NC_021166.1	Ca_kabuli_chr07	10449956	TT	CC	1940389350
SNP_P1_132488_10450008	NC_021166.1	Ca_kabuli_chr07	10450008	AA	GG	1940389352
SNP_P1_132490_10451411	NC_021166.1	Ca_kabuli_chr07	10451411	AA	TT	1940389354
SNP_P1_132491_10451450	NC_021166.1	Ca_kabuli_chr07	10451450	TT	CC	1940389356
SNP_P1_132492_10451453	NC_021166.1	Ca_kabuli_chr07	10451453	GG	CC	1940389357

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132494_10451726	NC_021166.1	Ca_kabuli_chr07	10451726	TT	CC	1940389361
SNP_P1_132495_10453118	NC_021166.1	Ca_kabuli_chr07	10453118	AA	GG	1940389363
SNP_P1_132496_10453360	NC_021166.1	Ca_kabuli_chr07	10453360	CC	AA	1940389364
SNP_P1_132498_10454751	NC_021166.1	Ca_kabuli_chr07	10454751	GG	TT	1940389366
SNP_P1_132499_10454797	NC_021166.1	Ca_kabuli_chr07	10454797	GG	AA	1940389368
SNP_P1_132500_10455527	NC_021166.1	Ca_kabuli_chr07	10455527	AA	TT	1940389370
SNP_P1_132501_10455543	NC_021166.1	Ca_kabuli_chr07	10455543	TT	AA	1940389372
SNP_P1_132502_10455545	NC_021166.1	Ca_kabuli_chr07	10455545	AA	GG	1940389373
SNP_P1_132503_10455553	NC_021166.1	Ca_kabuli_chr07	10455553	CC	GG	1940389375
SNP_P1_132504_10455567	NC_021166.1	Ca_kabuli_chr07	10455567	CC	TT	1940389377
SNP_P1_132505_10455570	NC_021166.1	Ca_kabuli_chr07	10455570	GG	CC	1940389379
SNP_P1_132506_10455605	NC_021166.1	Ca_kabuli_chr07	10455605	CC	AA	1940389380
SNP_P1_132507_10455636	NC_021166.1	Ca_kabuli_chr07	10455636	CC	TT	1940389382
SNP_P1_132508_10455688	NC_021166.1	Ca_kabuli_chr07	10455688	AA	TT	1940389384
SNP_P1_132509_10455754	NC_021166.1	Ca_kabuli_chr07	10455754	CC	TT	1940389386
SNP_P1_132510_10455902	NC_021166.1	Ca_kabuli_chr07	10455902	TT	CC	1940389388
SNP_P1_132511_10456597	NC_021166.1	Ca_kabuli_chr07	10456597	AA	TT	1940389389
SNP_P1_132512_10457445	NC_021166.1	Ca_kabuli_chr07	10457445	CC	TT	1940389391
SNP_P1_132513_10457621	NC_021166.1	Ca_kabuli_chr07	10457621	AA	GG	1940389393
SNP_P1_132514_10458502	NC_021166.1	Ca_kabuli_chr07	10458502	CC	TT	1940389395
SNP_P1_132515_10458989	NC_021166.1	Ca_kabuli_chr07	10458989	AA	CC	1940389396
SNP_P1_132516_10459032	NC_021166.1	Ca_kabuli_chr07	10459032	TT	CC	1940389398
SNP_P1_132517_10459035	NC_021166.1	Ca_kabuli_chr07	10459035	TT	CC	1940389400
SNP_P1_132518_10459525	NC_021166.1	Ca_kabuli_chr07	10459525	CC	TT	1940389402
SNP_P1_132519_10459556	NC_021166.1	Ca_kabuli_chr07	10459556	GG	AA	1940389403
SNP_P1_132521_10459804	NC_021166.1	Ca_kabuli_chr07	10459804	AA	TT	1940389405
SNP_P1_132522_10459897	NC_021166.1	Ca_kabuli_chr07	10459897	GG	AA	1940389407
SNP_P1_132523_10460801	NC_021166.1	Ca_kabuli_chr07	10460801	AA	GG	1940389409
SNP_P1_132524_10461084	NC_021166.1	Ca_kabuli_chr07	10461084	CC	TT	1940389411
SNP_P1_132525_10461159	NC_021166.1	Ca_kabuli_chr07	10461159	CC	TT	1940389412
SNP_P1_132526_10461285	NC_021166.1	Ca_kabuli_chr07	10461285	TT	AA	1940389414
SNP_P1_132527_10461289	NC_021166.1	Ca_kabuli_chr07	10461289	CC	AA	1940389416
SNP_P1_132528_10461329	NC_021166.1	Ca_kabuli_chr07	10461329	TT	CC	1940389418
SNP_P1_132529_10461344	NC_021166.1	Ca_kabuli_chr07	10461344	TT	CC	1940389420
SNP_P1_132530_10461345	NC_021166.1	Ca_kabuli_chr07	10461345	AA	CC	1940389421
SNP_P1_132531_10462378	NC_021166.1	Ca_kabuli_chr07	10462378	CC	GG	1940389423
SNP_P1_132532_10463834	NC_021166.1	Ca_kabuli_chr07	10463834	GG	AA	1940389425
SNP_P1_132533_10464067	NC_021166.1	Ca_kabuli_chr07	10464067	GG	AA	1940389427
SNP_P1_132534_10464169	NC_021166.1	Ca_kabuli_chr07	10464169	AA	TT	1940389428
SNP_P1_132535_10464516	NC_021166.1	Ca_kabuli_chr07	10464516	AA	GG	1940389430
SNP_P1_132537_10464819	NC_021166.1	Ca_kabuli_chr07	10464819	GG	AA	1940389432

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132539_10465387	NC_021166.1	Ca_kabuli_chr07	10465387	AA	TT	1940389436
SNP_P1_132540_10467106	NC_021166.1	Ca_kabuli_chr07	10467106	TT	AA	1940389437
SNP_P1_132541_10467107	NC_021166.1	Ca_kabuli_chr07	10467107	TT	AA	1940389439
SNP_P1_132542_10467373	NC_021166.1	Ca_kabuli_chr07	10467373	CC	AA	1940389441
SNP_P1_132543_10467375	NC_021166.1	Ca_kabuli_chr07	10467375	TT	CC	1940389443
SNP_P1_132544_10468567	NC_021166.1	Ca_kabuli_chr07	10468567	AA	GG	1940389444
SNP_P1_132546_10468874	NC_021166.1	Ca_kabuli_chr07	10468874	TT	GG	1940389446
SNP_P1_132547_10469111	NC_021166.1	Ca_kabuli_chr07	10469111	CC	TT	1940389448
SNP_P1_132548_10469138	NC_021166.1	Ca_kabuli_chr07	10469138	GG	AA	1940389450
SNP_P1_132549_10469143	NC_021166.1	Ca_kabuli_chr07	10469143	CC	TT	1940389452
SNP_P1_132550_10469182	NC_021166.1	Ca_kabuli_chr07	10469182	CC	TT	1940389453
SNP_P1_132551_10469204	NC_021166.1	Ca_kabuli_chr07	10469204	TT	CC	1940389455
SNP_P1_132552_10470410	NC_021166.1	Ca_kabuli_chr07	10470410	AA	CC	1940389457
SNP_P1_132554_10471638	NC_021166.1	Ca_kabuli_chr07	10471638	AA	GG	1940389459
SNP_P1_132555_10472310	NC_021166.1	Ca_kabuli_chr07	10472310	CC	TT	1940389460
SNP_P1_132556_10472327	NC_021166.1	Ca_kabuli_chr07	10472327	CC	TT	1940389462
SNP_P1_132557_10472629	NC_021166.1	Ca_kabuli_chr07	10472629	GG	AA	1940389464
SNP_P1_132558_10472638	NC_021166.1	Ca_kabuli_chr07	10472638	CC	TT	1940389466
SNP_P1_132560_10472815	NC_021166.1	Ca_kabuli_chr07	10472815	AA	CC	1940389467
SNP_P1_132561_10472917	NC_021166.1	Ca_kabuli_chr07	10472917	AA	TT	1940389469
SNP_P1_132562_10472977	NC_021166.1	Ca_kabuli_chr07	10472977	GG	AA	1940389471
SNP_P1_132563_10473022	NC_021166.1	Ca_kabuli_chr07	10473022	AA	GG	1940389473
SNP_P1_132564_10473024	NC_021166.1	Ca_kabuli_chr07	10473024	TT	CC	1940389475
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SNP_P1_132566_10473039	NC_021166.1	Ca_kabuli_chr07	10473039	TT	CC	1940389478
SNP_P1_132567_10473040	NC_021166.1	Ca_kabuli_chr07	10473040	AA	GG	1940389480
SNP_P1_132568_10473057	NC_021166.1	Ca_kabuli_chr07	10473057	GG	AA	1940389482
SNP_P1_132569_10473074	NC_021166.1	Ca_kabuli_chr07	10473074	AA	GG	1940389483
SNP_P1_132570_10473094	NC_021166.1	Ca_kabuli_chr07	10473094	GG	AA	1940389485
SNP_P1_132571_10473105	NC_021166.1	Ca_kabuli_chr07	10473105	CC	AA	1940389487
SNP_P1_132572_10473129	NC_021166.1	Ca_kabuli_chr07	10473129	GG	TT	1940389489
SNP_P1_132573_10473131	NC_021166.1	Ca_kabuli_chr07	10473131	AA	TT	1940389491
SNP_P1_132574_10473136	NC_021166.1	Ca_kabuli_chr07	10473136	GG	CC	1940389492
SNP_P1_132576_10476930	NC_021166.1	Ca_kabuli_chr07	10476930	GG	AA	1940389494
SNP_P1_132577_10477254	NC_021166.1	Ca_kabuli_chr07	10477254	GG	CC	1940389496
SNP_P1_132581_10477567	NC_021166.1	Ca_kabuli_chr07	10477567	TT	AA	1940389498
SNP_P1_132583_10477716	NC_021166.1	Ca_kabuli_chr07	10477716	GG	AA	1940389499
SNP_P1_132584_10478320	NC_021166.1	Ca_kabuli_chr07	10478320	TT	CC	1940389501
SNP_P1_132585_10478354	NC_021166.1	Ca_kabuli_chr07	10478354	CC	AA	1940389503
SNP_P1_132586_10478362	NC_021166.1	Ca_kabuli_chr07	10478362	GG	TT	1940389505
SNP_P1_132587_10478498	NC_021166.1	Ca_kabuli_chr07	10478498	TT	CC	1940389507

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132591_10480729	NC_021166.1	Ca_kabuli_chr07	10480729	GG	CC	1940389512
SNP_P1_132592_10480914	NC_021166.1	Ca_kabuli_chr07	10480914	AA	TT	1940389514
SNP_P1_132593_10481015	NC_021166.1	Ca_kabuli_chr07	10481015	CC	TT	1940389515
SNP_P1_132594_10481568	NC_021166.1	Ca_kabuli_chr07	10481568	GG	CC	1940389517
SNP_P1_132596_10481961	NC_021166.1	Ca_kabuli_chr07	10481961	AA	GG	1940389519
SNP_P1_132597_10482018	NC_021166.1	Ca_kabuli_chr07	10482018	GG	AA	1940389521
SNP_P1_132598_10482019	NC_021166.1	Ca_kabuli_chr07	10482019	AA	TT	1940389523
SNP_P1_132600_10482142	NC_021166.1	Ca_kabuli_chr07	10482142	TT	CC	1940389524
SNP_P1_132601_10482162	NC_021166.1	Ca_kabuli_chr07	10482162	CC	TT	1940389526
SNP_P1_132603_10482468	NC_021166.1	Ca_kabuli_chr07	10482468	TT	CC	1940389528
SNP_P1_132605_10483415	NC_021166.1	Ca_kabuli_chr07	10483415	GG	AA	1940389530
SNP_P1_132606_10485953	NC_021166.1	Ca_kabuli_chr07	10485953	AA	GG	1940389531
SNP_P1_132608_10486875	NC_021166.1	Ca_kabuli_chr07	10486875	CC	GG	1940389533
SNP_P1_132609_10488178	NC_021166.1	Ca_kabuli_chr07	10488178	CC	GG	1940389535
SNP_P1_132610_10489010	NC_021166.1	Ca_kabuli_chr07	10489010	AA	GG	1940389537
SNP_P1_132611_10489117	NC_021166.1	Ca_kabuli_chr07	10489117	AA	GG	1940389539
SNP_P1_132612_10489660	NC_021166.1	Ca_kabuli_chr07	10489660	GG	AA	1940389540
SNP_P1_132613_10489689	NC_021166.1	Ca_kabuli_chr07	10489689	CC	TT	1940389542
SNP_P1_132614_10489694	NC_021166.1	Ca_kabuli_chr07	10489694	TT	AA	1940389544
SNP_P1_132615_10489710	NC_021166.1	Ca_kabuli_chr07	10489710	GG	AA	1940389546
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SNP_P1_132617_10489816	NC_021166.1	Ca_kabuli_chr07	10489816	AA	TT	1940389549
SNP_P1_132618_10489873	NC_021166.1	Ca_kabuli_chr07	10489873	CC	TT	1940389551
SNP_P1_132619_10489900	NC_021166.1	Ca_kabuli_chr07	10489900	GG	AA	1940389553
SNP_P1_132620_10489947	NC_021166.1	Ca_kabuli_chr07	10489947	TT	AA	1940389554
SNP_P1_132623_10490066	NC_021166.1	Ca_kabuli_chr07	10490066	GG	AA	1940389556
SNP_P1_132624_10490175	NC_021166.1	Ca_kabuli_chr07	10490175	GG	AA	1940389558
SNP_P1_132625_10490495	NC_021166.1	Ca_kabuli_chr07	10490495	TT	AA	1940389560
SNP_P1_132626_10490816	NC_021166.1	Ca_kabuli_chr07	10490816	GG	CC	1940389562
SNP_P1_132627_10491153	NC_021166.1	Ca_kabuli_chr07	10491153	CC	TT	1940389563
SNP_P1_132628_10493584	NC_021166.1	Ca_kabuli_chr07	10493584	GG	AA	1940389565
SNP_P1_132629_10493787	NC_021166.1	Ca_kabuli_chr07	10493787	TT	CC	1940389567
SNP_P1_132630_10493811	NC_021166.1	Ca_kabuli_chr07	10493811	AA	GG	1940389569
SNP_P1_132631_10494301	NC_021166.1	Ca_kabuli_chr07	10494301	GG	CC	1940389570
SNP_P1_132632_10494428	NC_021166.1	Ca_kabuli_chr07	10494428	CC	TT	1940389572
SNP_P1_132633_10494434	NC_021166.1	Ca_kabuli_chr07	10494434	TT	AA	1940389574
SNP_P1_132634_10494547	NC_021166.1	Ca_kabuli_chr07	10494547	GG	TT	1940389576
SNP_P1_132635_10494555	NC_021166.1	Ca_kabuli_chr07	10494555	GG	AA	1940389578
SNP_P1_132636_10494566	NC_021166.1	Ca_kabuli_chr07	10494566	GG	AA	1940389579
SNP_P1_132637_10495045	NC_021166.1	Ca_kabuli_chr07	10495045	GG	AA	1940389581

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132641_10498670	NC_021166.1	Ca_kabuli_chr07	10498670	CC	GG	1940389586
SNP_P1_132642_10499428	NC_021166.1	Ca_kabuli_chr07	10499428	CC	TT	1940389588
SNP_P1_132643_10499432	NC_021166.1	Ca_kabuli_chr07	10499432	GG	TT	1940389590
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SNP_P1_132646_10499922	NC_021166.1	Ca_kabuli_chr07	10499922	TT	AA	1940389595
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SNP_P1_132650_10502292	NC_021166.1	Ca_kabuli_chr07	10502292	TT	GG	1940389601
SNP_P1_132651_10502326	NC_021166.1	Ca_kabuli_chr07	10502326	CC	TT	1940389602
SNP_P1_132652_10503520	NC_021166.1	Ca_kabuli_chr07	10503520	AA	GG	1940389604
SNP_P1_132653_10505185	NC_021166.1	Ca_kabuli_chr07	10505185	AA	GG	1940389606
SNP_P1_132654_10505200	NC_021166.1	Ca_kabuli_chr07	10505200	GG	CC	1940389608
SNP_P1_132655_10505927	NC_021166.1	Ca_kabuli_chr07	10505927	CC	TT	1940389609
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SNP_P1_132660_10508219	NC_021166.1	Ca_kabuli_chr07	10508219	AA	TT	1940389618
SNP_P1_132661_10508239	NC_021166.1	Ca_kabuli_chr07	10508239	TT	CC	1940389620
SNP_P1_132662_10508313	NC_021166.1	Ca_kabuli_chr07	10508313	GG	AA	1940389622
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SNP_P1_132669_10512118	NC_021166.1	Ca_kabuli_chr07	10512118	GG	CC	1940389632
SNP_P1_132670_10512271	NC_021166.1	Ca_kabuli_chr07	10512271	AA	GG	1940389634
SNP_P1_132671_10512533	NC_021166.1	Ca_kabuli_chr07	10512533	TT	GG	1940389636
SNP_P1_132672_10513048	NC_021166.1	Ca_kabuli_chr07	10513048	TT	CC	1940389638
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SNP_P1_132677_10514455	NC_021166.1	Ca_kabuli_chr07	10514455	TT	AA	1940389645
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SNP_P1_132679_10514652	NC_021166.1	Ca_kabuli_chr07	10514652	AA	GG	1940389648
SNP_P1_132680_10514857	NC_021166.1	Ca_kabuli_chr07	10514857	CC	AA	1940389650
SNP_P1_132681_10514868	NC_021166.1	Ca_kabuli_chr07	10514868	TT	CC	1940389652
SNP_P1_132682_10514930	NC_021166.1	Ca_kabuli_chr07	10514930	TT	CC	1940389654
SNP_P1_132683_10514971	NC_021166.1	Ca_kabuli_chr07	10514971	GG	AA	1940389656

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132687_10515270	NC_021166.1	Ca_kabuli_chr07	10515270	GG	TT	1940389661
SNP_P1_132688_10515292	NC_021166.1	Ca_kabuli_chr07	10515292	AA	GG	1940389663
SNP_P1_132689_10515307	NC_021166.1	Ca_kabuli_chr07	10515307	GG	CC	1940389665
SNP_P1_132690_10515413	NC_021166.1	Ca_kabuli_chr07	10515413	GG	AA	1940389666
SNP_P1_132691_10515581	NC_021166.1	Ca_kabuli_chr07	10515581	TT	CC	1940389668
SNP_P1_132692_10515583	NC_021166.1	Ca_kabuli_chr07	10515583	GG	AA	1940389670
SNP_P1_132693_10517719	NC_021166.1	Ca_kabuli_chr07	10517719	AA	GG	1940389672
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SNP_P1_132695_10517917	NC_021166.1	Ca_kabuli_chr07	10517917	GG	CC	1940389675
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SNP_P1_132701_10522438	NC_021166.1	Ca_kabuli_chr07	10522438	TT	CC	1940389684
SNP_P1_132702_10523222	NC_021166.1	Ca_kabuli_chr07	10523222	TT	CC	1940389686
SNP_P1_132703_10524243	NC_021166.1	Ca_kabuli_chr07	10524243	CC	TT	1940389688
SNP_P1_132704_10526202	NC_021166.1	Ca_kabuli_chr07	10526202	CC	TT	1940389689
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SNP_P1_132707_10529603	NC_021166.1	Ca_kabuli_chr07	10529603	GG	TT	1940389695
SNP_P1_132708_10529643	NC_021166.1	Ca_kabuli_chr07	10529643	AA	TT	1940389696
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SNP_P1_132710_10529892	NC_021166.1	Ca_kabuli_chr07	10529892	AA	GG	1940389700
SNP_P1_132711_10530216	NC_021166.1	Ca_kabuli_chr07	10530216	GG	AA	1940389702
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SNP_P1_132715_10535721	NC_021166.1	Ca_kabuli_chr07	10535721	AA	GG	1940389709
SNP_P1_132716_10535725	NC_021166.1	Ca_kabuli_chr07	10535725	TT	CC	1940389710
SNP_P1_132717_10535728	NC_021166.1	Ca_kabuli_chr07	10535728	GG	AA	1940389712
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SNP_P1_132719_10535805	NC_021166.1	Ca_kabuli_chr07	10535805	GG	AA	1940389716
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SNP_P1_132721_10536192	NC_021166.1	Ca_kabuli_chr07	10536192	CC	TT	1940389719
SNP_P1_132722_10536233	NC_021166.1	Ca_kabuli_chr07	10536233	GG	AA	1940389721
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SNP_P1_132727_10543245	NC_021166.1	Ca_kabuli_chr07	10543245	TT	GG	1940389730

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132731_10552282	NC_021166.1	Ca_kabuli_chr07	10552282	AA	CC	1940389735
SNP_P1_132732_10554225	NC_021166.1	Ca_kabuli_chr07	10554225	CC	GG	1940389737
SNP_P1_132733_10554249	NC_021166.1	Ca_kabuli_chr07	10554249	GG	AA	1940389739
SNP_P1_132734_10554277	NC_021166.1	Ca_kabuli_chr07	10554277	CC	TT	1940389741
SNP_P1_132735_10554282	NC_021166.1	Ca_kabuli_chr07	10554282	CC	AA	1940389742
SNP_P1_132736_10554647	NC_021166.1	Ca_kabuli_chr07	10554647	TT	AA	1940389744
SNP_P1_132737_10555956	NC_021166.1	Ca_kabuli_chr07	10555956	TT	GG	1940389746
SNP_P1_132738_10556018	NC_021166.1	Ca_kabuli_chr07	10556018	TT	CC	1940389748
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SNP_P1_132740_10557484	NC_021166.1	Ca_kabuli_chr07	10557484	GG	AA	1940389751
SNP_P1_132741_10557506	NC_021166.1	Ca_kabuli_chr07	10557506	GG	AA	1940389753
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SNP_P1_132743_10557813	NC_021166.1	Ca_kabuli_chr07	10557813	GG	TT	1940389756
SNP_P1_132744_10557824	NC_021166.1	Ca_kabuli_chr07	10557824	GG	TT	1940389758
SNP_P1_132745_10557854	NC_021166.1	Ca_kabuli_chr07	10557854	CC	AA	1940389760
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SNP_P1_132760_10564965	NC_021166.1	Ca_kabuli_chr07	10564965	GG	AA	1940389785
SNP_P1_132761_10564981	NC_021166.1	Ca_kabuli_chr07	10564981	GG	AA	1940389787
SNP_P1_132762_10565040	NC_021166.1	Ca_kabuli_chr07	10565040	GG	CC	1940389788
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SNP_P1_132766_10568706	NC_021166.1	Ca_kabuli_chr07	10568706	CC	AA	1940389794
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SNP_P1_132769_10571044	NC_021166.1	Ca_kabuli_chr07	10571044	AA	GG	1940389799
SNP_P1_132770_10571435	NC_021166.1	Ca_kabuli_chr07	10571435	CC	TT	1940389801
SNP_P1_132772_10572800	NC_021166.1	Ca_kabuli_chr07	10572800	TT	AA	1940389802
SNP_P1_132773_10572829	NC_021166.1	Ca_kabuli_chr07	10572829	TT	CC	1940389804

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132776_10574526	NC_021166.1	Ca_kabuli_chr07	10574526	CC	TT	1940389810
SNP_P1_132777_10574546	NC_021166.1	Ca_kabuli_chr07	10574546	AA	GG	1940389811
SNP_P1_132778_10575516	NC_021166.1	Ca_kabuli_chr07	10575516	TT	AA	1940389813
SNP_P1_132779_10575528	NC_021166.1	Ca_kabuli_chr07	10575528	GG	AA	1940389815
SNP_P1_132780_10575533	NC_021166.1	Ca_kabuli_chr07	10575533	TT	AA	1940389817
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SNP_P1_132784_10575893	NC_021166.1	Ca_kabuli_chr07	10575893	AA	GG	1940389824
SNP_P1_132785_10575955	NC_021166.1	Ca_kabuli_chr07	10575955	TT	GG	1940389825
SNP_P1_132786_10575956	NC_021166.1	Ca_kabuli_chr07	10575956	GG	AA	1940389827
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SNP_P1_132788_10577322	NC_021166.1	Ca_kabuli_chr07	10577322	CC	TT	1940389831
SNP_P1_132789_10577323	NC_021166.1	Ca_kabuli_chr07	10577323	TT	GG	1940389833
SNP_P1_132790_10577563	NC_021166.1	Ca_kabuli_chr07	10577563	CC	AA	1940389834
SNP_P1_132791_10577611	NC_021166.1	Ca_kabuli_chr07	10577611	AA	TT	1940389836
SNP_P1_132792_10577643	NC_021166.1	Ca_kabuli_chr07	10577643	CC	TT	1940389838
SNP_P1_132793_10578401	NC_021166.1	Ca_kabuli_chr07	10578401	TT	CC	1940389840
SNP_P1_132794_10578407	NC_021166.1	Ca_kabuli_chr07	10578407	GG	AA	1940389841
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SNP_P1_132797_10579149	NC_021166.1	Ca_kabuli_chr07	10579149	TT	AA	1940389845
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SNP_P1_132799_10579582	NC_021166.1	Ca_kabuli_chr07	10579582	CC	TT	1940389848
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SNP_P1_132802_10580068	NC_021166.1	Ca_kabuli_chr07	10580068	AA	TT	1940389852
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SNP_P1_132806_10580798	NC_021166.1	Ca_kabuli_chr07	10580798	TT	CC	1940389859
SNP_P1_132807_10581082	NC_021166.1	Ca_kabuli_chr07	10581082	AA	GG	1940389861
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SNP_P1_132810_10581462	NC_021166.1	Ca_kabuli_chr07	10581462	CC	AA	1940389866
SNP_P1_132811_10583072	NC_021166.1	Ca_kabuli_chr07	10583072	AA	TT	1940389868
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SNP_P1_132814_10584078	NC_021166.1	Ca_kabuli_chr07	10584078	CC	TT	1940389873
SNP_P1_132815_10584456	NC_021166.1	Ca_kabuli_chr07	10584456	GG	AA	1940389875
SNP_P1_132817_10584848	NC_021166.1	Ca_kabuli_chr07	10584848	TT	GG	1940389877
SNP_P1_132818_10584909	NC_021166.1	Ca_kabuli_chr07	10584909	CC	TT	1940389878

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132821_10586411	NC_021166.1	Ca_kabuli_chr07	10586411	AA	TT	1940389884
SNP_P1_132822_10587202	NC_021166.1	Ca_kabuli_chr07	10587202	TT	CC	1940389885
SNP_P1_132823_10590145	NC_021166.1	Ca_kabuli_chr07	10590145	AA	GG	1940389887
SNP_P1_132824_10590164	NC_021166.1	Ca_kabuli_chr07	10590164	TT	AA	1940389889
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SNP_P1_132828_10592049	NC_021166.1	Ca_kabuli_chr07	10592049	GG	AA	1940389894
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SNP_P1_132838_10596511	NC_021166.1	Ca_kabuli_chr07	10596511	CC	TT	1940389901
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SNP_P1_132847_10597247	NC_021166.1	Ca_kabuli_chr07	10597247	TT	CC	1940389917
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SNP_P1_132856_10599904	NC_021166.1	Ca_kabuli_chr07	10599904	CC	TT	1940389933
SNP_P1_132858_10600932	NC_021166.1	Ca_kabuli_chr07	10600932	TT	CC	1940389935
SNP_P1_132859_10601305	NC_021166.1	Ca_kabuli_chr07	10601305	CC	TT	1940389936
SNP_P1_132860_10602434	NC_021166.1	Ca_kabuli_chr07	10602434	CC	TT	1940389938
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SNP_P1_132868_10607016	NC_021166.1	Ca_kabuli_chr07	10607016	AA	GG	1940389949
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SNP_P1_132870_10607059	NC_021166.1	Ca_kabuli_chr07	10607059	CC	TT	1940389952

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132873_10607375	NC_021166.1	Ca_kabuli_chr07	10607375	AA	GG	1940389957
SNP_P1_132875_10607613	NC_021166.1	Ca_kabuli_chr07	10607613	TT	GG	1940389959
SNP_P1_132876_10607639	NC_021166.1	Ca_kabuli_chr07	10607639	AA	GG	1940389961
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SNP_P1_132878_10607693	NC_021166.1	Ca_kabuli_chr07	10607693	TT	AA	1940389965
SNP_P1_132879_10607728	NC_021166.1	Ca_kabuli_chr07	10607728	AA	GG	1940389966
SNP_P1_132880_10607907	NC_021166.1	Ca_kabuli_chr07	10607907	CC	TT	1940389968
SNP_P1_132881_10607950	NC_021166.1	Ca_kabuli_chr07	10607950	TT	AA	1940389970
SNP_P1_132882_10607960	NC_021166.1	Ca_kabuli_chr07	10607960	TT	CC	1940389972
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SNP_P1_132892_10613106	NC_021166.1	Ca_kabuli_chr07	10613106	TT	AA	1940389989
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SNP_P1_132894_10613205	NC_021166.1	Ca_kabuli_chr07	10613205	AA	GG	1940389993
SNP_P1_132897_10613455	NC_021166.1	Ca_kabuli_chr07	10613455	TT	AA	1940389995
SNP_P1_132898_10614337	NC_021166.1	Ca_kabuli_chr07	10614337	AA	TT	1940389996
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SNP_P1_132905_10616186	NC_021166.1	Ca_kabuli_chr07	10616186	GG	AA	1940390009
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SNP_P1_132907_10616229	NC_021166.1	Ca_kabuli_chr07	10616229	AA	GG	1940390012
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SNP_P1_132909_10617494	NC_021166.1	Ca_kabuli_chr07	10617494	CC	AA	1940390016
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SNP_P1_132912_10620525	NC_021166.1	Ca_kabuli_chr07	10620525	AA	GG	1940390020
SNP_P1_132914_10621184	NC_021166.1	Ca_kabuli_chr07	10621184	CC	TT	1940390021
SNP_P1_132915_10621301	NC_021166.1	Ca_kabuli_chr07	10621301	AA	GG	1940390023
SNP_P1_132916_10622915	NC_021166.1	Ca_kabuli_chr07	10622915	AA	CC	1940390025
SNP_P1_132917_10622993	NC_021166.1	Ca_kabuli_chr07	10622993	TT	CC	1940390027

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132920_10623560	NC_021166.1	Ca_kabuli_chr07	10623560	CC	TT	1940390032
SNP_P1_132921_10623561	NC_021166.1	Ca_kabuli_chr07	10623561	AA	CC	1940390034
SNP_P1_132922_10624558	NC_021166.1	Ca_kabuli_chr07	10624558	GG	AA	1940390035
SNP_P1_132923_10624608	NC_021166.1	Ca_kabuli_chr07	10624608	AA	CC	1940390037
SNP_P1_132924_10624647	NC_021166.1	Ca_kabuli_chr07	10624647	AA	CC	1940390039
SNP_P1_132925_10624684	NC_021166.1	Ca_kabuli_chr07	10624684	GG	AA	1940390041
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SNP_P1_132931_10627848	NC_021166.1	Ca_kabuli_chr07	10627848	CC	GG	1940390051
SNP_P1_132932_10628336	NC_021166.1	Ca_kabuli_chr07	10628336	TT	CC	1940390053
SNP_P1_132933_10629602	NC_021166.1	Ca_kabuli_chr07	10629602	AA	TT	1940390055
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SNP_P1_132936_10630533	NC_021166.1	Ca_kabuli_chr07	10630533	TT	CC	1940390060
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SNP_P1_132957_10645801	NC_021166.1	Ca_kabuli_chr07	10645801	TT	AA	1940390095
SNP_P1_132958_10646049	NC_021166.1	Ca_kabuli_chr07	10646049	GG	AA	1940390097
SNP_P1_132959_10646277	NC_021166.1	Ca_kabuli_chr07	10646277	TT	AA	1940390099
SNP_P1_132961_10646866	NC_021166.1	Ca_kabuli_chr07	10646866	AA	GG	1940390101

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_132964_10649702	NC_021166.1	Ca_kabuli_chr07	10649702	GG	AA	1940390106
SNP_P1_132965_10650127	NC_021166.1	Ca_kabuli_chr07	10650127	TT	CC	1940390108
SNP_P1_132966_10651143	NC_021166.1	Ca_kabuli_chr07	10651143	GG	AA	1940390110
SNP_P1_132967_10651151	NC_021166.1	Ca_kabuli_chr07	10651151	CC	TT	1940390111
SNP_P1_132968_10651428	NC_021166.1	Ca_kabuli_chr07	10651428	GG	CC	1940390113
SNP_P1_132969_10651807	NC_021166.1	Ca_kabuli_chr07	10651807	TT	CC	1940390115
SNP_P1_132970_10653973	NC_021166.1	Ca_kabuli_chr07	10653973	AA	GG	1940390117
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SNP_P1_132978_10670063	NC_021166.1	Ca_kabuli_chr07	10670063	TT	CC	1940390129
SNP_P1_132979_10671286	NC_021166.1	Ca_kabuli_chr07	10671286	TT	GG	1940390131
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SNP_P1_132981_10671415	NC_021166.1	Ca_kabuli_chr07	10671415	TT	CC	1940390134
SNP_P1_132982_10672645	NC_021166.1	Ca_kabuli_chr07	10672645	CC	GG	1940390136
SNP_P1_132985_10674515	NC_021166.1	Ca_kabuli_chr07	10674515	GG	AA	1940390138
SNP_P1_132986_10674899	NC_021166.1	Ca_kabuli_chr07	10674899	GG	CC	1940390140
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SNP_P1_132994_10680771	NC_021166.1	Ca_kabuli_chr07	10680771	AA	TT	1940390149
SNP_P1_132995_10680942	NC_021166.1	Ca_kabuli_chr07	10680942	CC	AA	1940390150
SNP_P1_132998_10681596	NC_021166.1	Ca_kabuli_chr07	10681596	GG	AA	1940390152
SNP_P1_132999_10682186	NC_021166.1	Ca_kabuli_chr07	10682186	GG	TT	1940390154
SNP_P1_133000_10682505	NC_021166.1	Ca_kabuli_chr07	10682505	GG	TT	1940390156
SNP_P1_133001_10684830	NC_021166.1	Ca_kabuli_chr07	10684830	AA	TT	1940390157
SNP_P1_133002_10684833	NC_021166.1	Ca_kabuli_chr07	10684833	GG	TT	1940390159
SNP_P1_133003_10687025	NC_021166.1	Ca_kabuli_chr07	10687025	AA	GG	1940390161
SNP_P1_133004_10687451	NC_021166.1	Ca_kabuli_chr07	10687451	CC	TT	1940390163
SNP_P1_133006_10689985	NC_021166.1	Ca_kabuli_chr07	10689985	AA	GG	1940390165
SNP_P1_133007_10690058	NC_021166.1	Ca_kabuli_chr07	10690058	GG	TT	1940390166
SNP_P1_133008_10690167	NC_021166.1	Ca_kabuli_chr07	10690167	CC	AA	1940390168
SNP_P1_133009_10690183	NC_021166.1	Ca_kabuli_chr07	10690183	CC	TT	1940390170
SNP_P1_133010_10690188	NC_021166.1	Ca_kabuli_chr07	10690188	CC	AA	1940390172
SNP_P1_133011_10690237	NC_021166.1	Ca_kabuli_chr07	10690237	TT	CC	1940390173
SNP_P1_133013_10690838	NC_021166.1	Ca_kabuli_chr07	10690838	CC	GG	1940390175

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133015_10691990	NC_021166.1	Ca_kabuli_chr07	10691990	TT	CC	1940390179
SNP_P1_133017_10693728	NC_021166.1	Ca_kabuli_chr07	10693728	GG	AA	1940390180
SNP_P1_133018_10693758	NC_021166.1	Ca_kabuli_chr07	10693758	TT	GG	1940390182
SNP_P1_133019_10693770	NC_021166.1	Ca_kabuli_chr07	10693770	AA	GG	1940390184
SNP_P1_133021_10694601	NC_021166.1	Ca_kabuli_chr07	10694601	CC	TT	1940390186
SNP_P1_133022_10694837	NC_021166.1	Ca_kabuli_chr07	10694837	CC	GG	1940390187
SNP_P1_133024_10695830	NC_021166.1	Ca_kabuli_chr07	10695830	TT	CC	1940390189
SNP_P1_133025_10695926	NC_021166.1	Ca_kabuli_chr07	10695926	GG	AA	1940390191
SNP_P1_133026_10697554	NC_021166.1	Ca_kabuli_chr07	10697554	CC	AA	1940390193
SNP_P1_133027_10697894	NC_021166.1	Ca_kabuli_chr07	10697894	CC	GG	1940390194
SNP_P1_133028_10698417	NC_021166.1	Ca_kabuli_chr07	10698417	CC	AA	1940390196
SNP_P1_133030_10700180	NC_021166.1	Ca_kabuli_chr07	10700180	TT	AA	1940390198
SNP_P1_133031_10700399	NC_021166.1	Ca_kabuli_chr07	10700399	GG	AA	1940390200
SNP_P1_133032_10701431	NC_021166.1	Ca_kabuli_chr07	10701431	TT	CC	1940390201
SNP_P1_133033_10701522	NC_021166.1	Ca_kabuli_chr07	10701522	AA	TT	1940390203
SNP_P1_133034_10712662	NC_021166.1	Ca_kabuli_chr07	10712662	CC	TT	1940390205
SNP_P1_133035_10713205	NC_021166.1	Ca_kabuli_chr07	10713205	GG	AA	1940390207
SNP_P1_133036_10713743	NC_021166.1	Ca_kabuli_chr07	10713743	GG	TT	1940390209
SNP_P1_133037_10713804	NC_021166.1	Ca_kabuli_chr07	10713804	CC	TT	1940390210
SNP_P1_133038_10714426	NC_021166.1	Ca_kabuli_chr07	10714426	TT	GG	1940390212
SNP_P1_133039_10715117	NC_021166.1	Ca_kabuli_chr07	10715117	TT	CC	1940390214
SNP_P1_133040_10715307	NC_021166.1	Ca_kabuli_chr07	10715307	CC	GG	1940390216
SNP_P1_133041_10715718	NC_021166.1	Ca_kabuli_chr07	10715718	TT	CC	1940390218
SNP_P1_133043_10719603	NC_021166.1	Ca_kabuli_chr07	10719603	AA	GG	1940390219
SNP_P1_133044_10719661	NC_021166.1	Ca_kabuli_chr07	10719661	AA	GG	1940390221
SNP_P1_133045_10720022	NC_021166.1	Ca_kabuli_chr07	10720022	TT	AA	1940390223
SNP_P1_133046_10720406	NC_021166.1	Ca_kabuli_chr07	10720406	GG	CC	1940390224
SNP_P1_133047_10720644	NC_021166.1	Ca_kabuli_chr07	10720644	CC	GG	1940390226
SNP_P1_133048_10720662	NC_021166.1	Ca_kabuli_chr07	10720662	GG	TT	1940390228
SNP_P1_133049_10724051	NC_021166.1	Ca_kabuli_chr07	10724051	CC	TT	1940390230
SNP_P1_133050_10724089	NC_021166.1	Ca_kabuli_chr07	10724089	GG	CC	1940390231
SNP_P1_133052_10724393	NC_021166.1	Ca_kabuli_chr07	10724393	AA	TT	1940390233
SNP_P1_133053_10725175	NC_021166.1	Ca_kabuli_chr07	10725175	AA	GG	1940390235
SNP_P1_133055_10725780	NC_021166.1	Ca_kabuli_chr07	10725780	GG	TT	1940390237
SNP_P1_133057_10726460	NC_021166.1	Ca_kabuli_chr07	10726460	AA	GG	1940390239
SNP_P1_133058_10727877	NC_021166.1	Ca_kabuli_chr07	10727877	TT	AA	1940390240
SNP_P1_133059_10727916	NC_021166.1	Ca_kabuli_chr07	10727916	TT	GG	1940390242
SNP_P1_133060_10727932	NC_021166.1	Ca_kabuli_chr07	10727932	TT	CC	1940390244
SNP_P1_133061_10727998	NC_021166.1	Ca_kabuli_chr07	10727998	GG	AA	1940390246
SNP_P1_133062_10728205	NC_021166.1	Ca_kabuli_chr07	10728205	AA	GG	1940390247
SNP_P1_133064_10729375	NC_021166.1	Ca_kabuli_chr07	10729375	GG	AA	1940390249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133066_10729403	NC_021166.1	Ca_kabuli_chr07	10729403	CC	TT	1940390253
SNP_P1_133067_10729982	NC_021166.1	Ca_kabuli_chr07	10729982	TT	CC	1940390254
SNP_P1_133068_10730782	NC_021166.1	Ca_kabuli_chr07	10730782	TT	CC	1940390256
SNP_P1_133069_10731500	NC_021166.1	Ca_kabuli_chr07	10731500	CC	TT	1940390258
SNP_P1_133071_10731640	NC_021166.1	Ca_kabuli_chr07	10731640	AA	TT	1940390260
SNP_P1_133072_10731978	NC_021166.1	Ca_kabuli_chr07	10731978	TT	AA	1940390262
SNP_P1_133073_10731981	NC_021166.1	Ca_kabuli_chr07	10731981	CC	TT	1940390263
SNP_P1_133074_10731993	NC_021166.1	Ca_kabuli_chr07	10731993	AA	GG	1940390265
SNP_P1_133075_10732080	NC_021166.1	Ca_kabuli_chr07	10732080	CC	GG	1940390267
SNP_P1_133076_10732089	NC_021166.1	Ca_kabuli_chr07	10732089	AA	GG	1940390268
SNP_P1_133077_10732101	NC_021166.1	Ca_kabuli_chr07	10732101	CC	TT	1940390270
SNP_P1_133078_10732116	NC_021166.1	Ca_kabuli_chr07	10732116	CC	TT	1940390272
SNP_P1_133080_10733835	NC_021166.1	Ca_kabuli_chr07	10733835	AA	GG	1940390274
SNP_P1_133081_10733870	NC_021166.1	Ca_kabuli_chr07	10733870	AA	GG	1940390276
SNP_P1_133082_10734012	NC_021166.1	Ca_kabuli_chr07	10734012	GG	AA	1940390277
SNP_P1_133083_10734035	NC_021166.1	Ca_kabuli_chr07	10734035	CC	AA	1940390279
SNP_P1_133084_10734297	NC_021166.1	Ca_kabuli_chr07	10734297	TT	CC	1940390281
SNP_P1_133085_10734311	NC_021166.1	Ca_kabuli_chr07	10734311	TT	CC	1940390283
SNP_P1_133086_10734469	NC_021166.1	Ca_kabuli_chr07	10734469	AA	GG	1940390284
SNP_P1_133087_10734522	NC_021166.1	Ca_kabuli_chr07	10734522	TT	AA	1940390286
SNP_P1_133088_10735407	NC_021166.1	Ca_kabuli_chr07	10735407	CC	AA	1940390288
SNP_P1_133089_10735409	NC_021166.1	Ca_kabuli_chr07	10735409	CC	TT	1940390290
SNP_P1_133090_10735419	NC_021166.1	Ca_kabuli_chr07	10735419	AA	GG	1940390291
SNP_P1_133091_10735446	NC_021166.1	Ca_kabuli_chr07	10735446	AA	GG	1940390293
SNP_P1_133092_10735650	NC_021166.1	Ca_kabuli_chr07	10735650	AA	GG	1940390295
SNP_P1_133093_10735697	NC_021166.1	Ca_kabuli_chr07	10735697	GG	AA	1940390297
SNP_P1_133094_10735804	NC_021166.1	Ca_kabuli_chr07	10735804	CC	TT	1940390299
SNP_P1_133095_10735953	NC_021166.1	Ca_kabuli_chr07	10735953	TT	CC	1940390301
SNP_P1_133096_10735973	NC_021166.1	Ca_kabuli_chr07	10735973	CC	TT	1940390302
SNP_P1_133097_10736049	NC_021166.1	Ca_kabuli_chr07	10736049	CC	AA	1940390304
SNP_P1_133098_10736121	NC_021166.1	Ca_kabuli_chr07	10736121	CC	AA	1940390306
SNP_P1_133099_10737405	NC_021166.1	Ca_kabuli_chr07	10737405	AA	GG	1940390308
SNP_P1_133101_10737584	NC_021166.1	Ca_kabuli_chr07	10737584	TT	AA	1940390309
SNP_P1_133102_10737868	NC_021166.1	Ca_kabuli_chr07	10737868	GG	AA	1940390311
SNP_P1_133103_10740002	NC_021166.1	Ca_kabuli_chr07	10740002	GG	AA	1940390313
SNP_P1_133105_10740785	NC_021166.1	Ca_kabuli_chr07	10740785	AA	TT	1940390315
SNP_P1_133106_10740808	NC_021166.1	Ca_kabuli_chr07	10740808	AA	CC	1940390316
SNP_P1_133107_10740817	NC_021166.1	Ca_kabuli_chr07	10740817	CC	TT	1940390318
SNP_P1_133108_10740823	NC_021166.1	Ca_kabuli_chr07	10740823	CC	AA	1940390320
SNP_P1_133110_10741611	NC_021166.1	Ca_kabuli_chr07	10741611	AA	TT	1940390322
SNP_P1_133112_10742951	NC_021166.1	Ca_kabuli_chr07	10742951	AA	GG	1940390323

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133114_10744085	NC_021166.1	Ca_kabuli_chr07	10744085	CC	AA	1940390327
SNP_P1_133115_10744449	NC_021166.1	Ca_kabuli_chr07	10744449	GG	CC	1940390329
SNP_P1_133116_10744721	NC_021166.1	Ca_kabuli_chr07	10744721	CC	TT	1940390331
SNP_P1_133117_10745502	NC_021166.1	Ca_kabuli_chr07	10745502	TT	GG	1940390332
SNP_P1_133118_10745523	NC_021166.1	Ca_kabuli_chr07	10745523	CC	AA	1940390334
SNP_P1_133119_10746299	NC_021166.1	Ca_kabuli_chr07	10746299	GG	AA	1940390336
SNP_P1_133120_10746991	NC_021166.1	Ca_kabuli_chr07	10746991	GG	TT	1940390338
SNP_P1_133121_10748280	NC_021166.1	Ca_kabuli_chr07	10748280	TT	CC	1940390339
SNP_P1_133123_10749577	NC_021166.1	Ca_kabuli_chr07	10749577	TT	CC	1940390341
SNP_P1_133124_10749579	NC_021166.1	Ca_kabuli_chr07	10749579	TT	CC	1940390343
SNP_P1_133125_10749733	NC_021166.1	Ca_kabuli_chr07	10749733	CC	TT	1940390345
SNP_P1_133126_10749737	NC_021166.1	Ca_kabuli_chr07	10749737	AA	TT	1940390346
SNP_P1_133127_10749869	NC_021166.1	Ca_kabuli_chr07	10749869	TT	CC	1940390348
SNP_P1_133128_10749878	NC_021166.1	Ca_kabuli_chr07	10749878	AA	GG	1940390350
SNP_P1_133129_10749894	NC_021166.1	Ca_kabuli_chr07	10749894	AA	GG	1940390352
SNP_P1_133130_10749896	NC_021166.1	Ca_kabuli_chr07	10749896	AA	TT	1940390353
SNP_P1_133131_10749902	NC_021166.1	Ca_kabuli_chr07	10749902	TT	GG	1940390355
SNP_P1_133132_10749982	NC_021166.1	Ca_kabuli_chr07	10749982	TT	CC	1940390357
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SNP_P1_133136_10749993	NC_021166.1	Ca_kabuli_chr07	10749993	TT	AA	1940390364
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SNP_P1_133141_10751246	NC_021166.1	Ca_kabuli_chr07	10751246	CC	AA	1940390371
SNP_P1_133143_10753536	NC_021166.1	Ca_kabuli_chr07	10753536	CC	TT	1940390373
SNP_P1_133145_10759142	NC_021166.1	Ca_kabuli_chr07	10759142	TT	GG	1940390375
SNP_P1_133146_10759166	NC_021166.1	Ca_kabuli_chr07	10759166	CC	GG	1940390376
SNP_P1_133147_10759194	NC_021166.1	Ca_kabuli_chr07	10759194	CC	TT	1940390378
SNP_P1_133150_10761432	NC_021166.1	Ca_kabuli_chr07	10761432	CC	TT	1940390380
SNP_P1_133151_10761632	NC_021166.1	Ca_kabuli_chr07	10761632	AA	GG	1940390382
SNP_P1_133152_10762210	NC_021166.1	Ca_kabuli_chr07	10762210	AA	TT	1940390383
SNP_P1_133153_10763249	NC_021166.1	Ca_kabuli_chr07	10763249	CC	TT	1940390385
SNP_P1_133154_10763709	NC_021166.1	Ca_kabuli_chr07	10763709	TT	AA	1940390387
SNP_P1_133156_10763982	NC_021166.1	Ca_kabuli_chr07	10763982	CC	GG	1940390389
SNP_P1_133157_10764048	NC_021166.1	Ca_kabuli_chr07	10764048	GG	TT	1940390390
SNP_P1_133158_10764258	NC_021166.1	Ca_kabuli_chr07	10764258	AA	CC	1940390392
SNP_P1_133159_10764653	NC_021166.1	Ca_kabuli_chr07	10764653	TT	AA	1940390394
SNP_P1_133160_10765082	NC_021166.1	Ca_kabuli_chr07	10765082	GG	AA	1940390396
SNP_P1_133162_10766759	NC_021166.1	Ca_kabuli_chr07	10766759	GG	AA	1940390397

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133165_10766801	NC_021166.1	Ca_kabuli_chr07	10766801	TT	CC	1940390403
SNP_P1_133166_10766827	NC_021166.1	Ca_kabuli_chr07	10766827	TT	GG	1940390404
SNP_P1_133167_10766875	NC_021166.1	Ca_kabuli_chr07	10766875	GG	AA	1940390406
SNP_P1_133168_10767084	NC_021166.1	Ca_kabuli_chr07	10767084	AA	GG	1940390408
SNP_P1_133169_10767178	NC_021166.1	Ca_kabuli_chr07	10767178	CC	TT	1940390410
SNP_P1_133170_10767317	NC_021166.1	Ca_kabuli_chr07	10767317	GG	AA	1940390411
SNP_P1_133171_10767342	NC_021166.1	Ca_kabuli_chr07	10767342	CC	TT	1940390413
SNP_P1_133172_10767354	NC_021166.1	Ca_kabuli_chr07	10767354	AA	GG	1940390415
SNP_P1_133173_10767372	NC_021166.1	Ca_kabuli_chr07	10767372	TT	CC	1940390417
SNP_P1_133174_10767382	NC_021166.1	Ca_kabuli_chr07	10767382	CC	TT	1940390419
SNP_P1_133177_10767660	NC_021166.1	Ca_kabuli_chr07	10767660	TT	GG	1940390420
SNP_P1_133178_10768943	NC_021166.1	Ca_kabuli_chr07	10768943	GG	TT	1940390422
SNP_P1_133179_10768981	NC_021166.1	Ca_kabuli_chr07	10768981	CC	TT	1940390424
SNP_P1_133180_10769038	NC_021166.1	Ca_kabuli_chr07	10769038	GG	AA	1940390426
SNP_P1_133181_10769224	NC_021166.1	Ca_kabuli_chr07	10769224	AA	TT	1940390427
SNP_P1_133182_10769275	NC_021166.1	Ca_kabuli_chr07	10769275	TT	AA	1940390429
SNP_P1_133183_10769291	NC_021166.1	Ca_kabuli_chr07	10769291	CC	TT	1940390431
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SNP_P1_133187_10770798	NC_021166.1	Ca_kabuli_chr07	10770798	AA	TT	1940390438
SNP_P1_133188_10770809	NC_021166.1	Ca_kabuli_chr07	10770809	GG	AA	1940390440
SNP_P1_133189_10770990	NC_021166.1	Ca_kabuli_chr07	10770990	CC	TT	1940390442
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SNP_P1_133192_10771804	NC_021166.1	Ca_kabuli_chr07	10771804	GG	CC	1940390447
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SNP_P1_133195_10773170	NC_021166.1	Ca_kabuli_chr07	10773170	AA	GG	1940390450
SNP_P1_133196_10781602	NC_021166.1	Ca_kabuli_chr07	10781602	CC	GG	1940390452
SNP_P1_133197_10783191	NC_021166.1	Ca_kabuli_chr07	10783191	GG	AA	1940390454
SNP_P1_133198_10783403	NC_021166.1	Ca_kabuli_chr07	10783403	CC	GG	1940390456
SNP_P1_133200_10784196	NC_021166.1	Ca_kabuli_chr07	10784196	GG	TT	1940390458
SNP_P1_133201_10784311	NC_021166.1	Ca_kabuli_chr07	10784311	AA	GG	1940390459
SNP_P1_133202_10784403	NC_021166.1	Ca_kabuli_chr07	10784403	AA	TT	1940390461
SNP_P1_133204_10784475	NC_021166.1	Ca_kabuli_chr07	10784475	AA	GG	1940390463
SNP_P1_133205_10784634	NC_021166.1	Ca_kabuli_chr07	10784634	AA	GG	1940390465
SNP_P1_133206_10784672	NC_021166.1	Ca_kabuli_chr07	10784672	TT	AA	1940390466
SNP_P1_133207_10784673	NC_021166.1	Ca_kabuli_chr07	10784673	GG	TT	1940390468
SNP_P1_133208_10786162	NC_021166.1	Ca_kabuli_chr07	10786162	CC	GG	1940390470
SNP_P1_133209_10786166	NC_021166.1	Ca_kabuli_chr07	10786166	AA	GG	1940390472

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133211_10787253	NC_021166.1	Ca_kabuli_chr07	10787253	CC	AA	1940390475
SNP_P1_133212_10787263	NC_021166.1	Ca_kabuli_chr07	10787263	CC	TT	1940390477
SNP_P1_133213_10787274	NC_021166.1	Ca_kabuli_chr07	10787274	AA	TT	1940390479
SNP_P1_133214_10787283	NC_021166.1	Ca_kabuli_chr07	10787283	AA	GG	1940390481
SNP_P1_133215_10787290	NC_021166.1	Ca_kabuli_chr07	10787290	TT	CC	1940390482
SNP_P1_133217_10788505	NC_021166.1	Ca_kabuli_chr07	10788505	CC	AA	1940390484
SNP_P1_133218_10788707	NC_021166.1	Ca_kabuli_chr07	10788707	TT	AA	1940390486
SNP_P1_133219_10788910	NC_021166.1	Ca_kabuli_chr07	10788910	AA	GG	1940390488
SNP_P1_133221_10792091	NC_021166.1	Ca_kabuli_chr07	10792091	TT	CC	1940390489
SNP_P1_133222_10792094	NC_021166.1	Ca_kabuli_chr07	10792094	GG	CC	1940390491
SNP_P1_133223_10792136	NC_021166.1	Ca_kabuli_chr07	10792136	CC	GG	1940390493
SNP_P1_133224_10792150	NC_021166.1	Ca_kabuli_chr07	10792150	CC	TT	1940390495
SNP_P1_133225_10793686	NC_021166.1	Ca_kabuli_chr07	10793686	AA	GG	1940390497
SNP_P1_133226_10793749	NC_021166.1	Ca_kabuli_chr07	10793749	CC	TT	1940390498
SNP_P1_133227_10794195	NC_021166.1	Ca_kabuli_chr07	10794195	AA	GG	1940390500
SNP_P1_133228_10794196	NC_021166.1	Ca_kabuli_chr07	10794196	GG	AA	1940390502
SNP_P1_133229_10794585	NC_021166.1	Ca_kabuli_chr07	10794585	AA	CC	1940390504
SNP_P1_133230_10794592	NC_021166.1	Ca_kabuli_chr07	10794592	CC	TT	1940390505
SNP_P1_133231_10794593	NC_021166.1	Ca_kabuli_chr07	10794593	CC	TT	1940390507
SNP_P1_133232_10797352	NC_021166.1	Ca_kabuli_chr07	10797352	TT	CC	1940390509
SNP_P1_133233_10797353	NC_021166.1	Ca_kabuli_chr07	10797353	GG	AA	1940390511
SNP_P1_133234_10798230	NC_021166.1	Ca_kabuli_chr07	10798230	GG	AA	1940390512
SNP_P1_133235_10800994	NC_021166.1	Ca_kabuli_chr07	10800994	GG	TT	1940390514
SNP_P1_133236_10801044	NC_021166.1	Ca_kabuli_chr07	10801044	CC	TT	1940390516
SNP_P1_133237_10801085	NC_021166.1	Ca_kabuli_chr07	10801085	GG	AA	1940390518
SNP_P1_133238_10801987	NC_021166.1	Ca_kabuli_chr07	10801987	GG	AA	1940390520
SNP_P1_133240_10802006	NC_021166.1	Ca_kabuli_chr07	10802006	CC	TT	1940390521
SNP_P1_133242_10802133	NC_021166.1	Ca_kabuli_chr07	10802133	AA	CC	1940390523
SNP_P1_133243_10802170	NC_021166.1	Ca_kabuli_chr07	10802170	AA	GG	1940390525
SNP_P1_133244_10802193	NC_021166.1	Ca_kabuli_chr07	10802193	CC	TT	1940390527
SNP_P1_133245_10802428	NC_021166.1	Ca_kabuli_chr07	10802428	AA	TT	1940390528
SNP_P1_133246_10802430	NC_021166.1	Ca_kabuli_chr07	10802430	TT	GG	1940390530
SNP_P1_133247_10802512	NC_021166.1	Ca_kabuli_chr07	10802512	AA	TT	1940390532
SNP_P1_133248_10802616	NC_021166.1	Ca_kabuli_chr07	10802616	TT	CC	1940390534
SNP_P1_133249_10802629	NC_021166.1	Ca_kabuli_chr07	10802629	AA	GG	1940390535
SNP_P1_133250_10805851	NC_021166.1	Ca_kabuli_chr07	10805851	CC	GG	1940390537
SNP_P1_133253_10807475	NC_021166.1	Ca_kabuli_chr07	10807475	GG	AA	1940390539
SNP_P1_133254_10809534	NC_021166.1	Ca_kabuli_chr07	10809534	GG	AA	1940390541
SNP_P1_133255_10809569	NC_021166.1	Ca_kabuli_chr07	10809569	AA	CC	1940390543
SNP_P1_133256_10810383	NC_021166.1	Ca_kabuli_chr07	10810383	AA	TT	1940390544
SNP_P1_133257_10810916	NC_021166.1	Ca_kabuli_chr07	10810916	TT	CC	1940390546

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133259_10811618	NC_021166.1	Ca_kabuli_chr07	10811618	AA	CC	1940390550
SNP_P1_133261_10813507	NC_021166.1	Ca_kabuli_chr07	10813507	CC	GG	1940390551
SNP_P1_133262_10813680	NC_021166.1	Ca_kabuli_chr07	10813680	GG	AA	1940390553
SNP_P1_133263_10813720	NC_021166.1	Ca_kabuli_chr07	10813720	TT	CC	1940390555
SNP_P1_133264_10814350	NC_021166.1	Ca_kabuli_chr07	10814350	AA	GG	1940390557
SNP_P1_133265_10814420	NC_021166.1	Ca_kabuli_chr07	10814420	GG	AA	1940390559
SNP_P1_133266_10816113	NC_021166.1	Ca_kabuli_chr07	10816113	CC	TT	1940390560
SNP_P1_133267_10816941	NC_021166.1	Ca_kabuli_chr07	10816941	AA	GG	1940390562
SNP_P1_133268_10818088	NC_021166.1	Ca_kabuli_chr07	10818088	CC	GG	1940390564
SNP_P1_133269_10820014	NC_021166.1	Ca_kabuli_chr07	10820014	TT	CC	1940390566
SNP_P1_133270_10820081	NC_021166.1	Ca_kabuli_chr07	10820081	TT	GG	1940390567
SNP_P1_133271_10820117	NC_021166.1	Ca_kabuli_chr07	10820117	AA	CC	1940390569
SNP_P1_133272_10820119	NC_021166.1	Ca_kabuli_chr07	10820119	CC	TT	1940390571
SNP_P1_133273_10820121	NC_021166.1	Ca_kabuli_chr07	10820121	AA	TT	1940390573
SNP_P1_133274_10820224	NC_021166.1	Ca_kabuli_chr07	10820224	AA	GG	1940390574
SNP_P1_133275_10820227	NC_021166.1	Ca_kabuli_chr07	10820227	AA	CC	1940390576
SNP_P1_133276_10820247	NC_021166.1	Ca_kabuli_chr07	10820247	TT	AA	1940390578
SNP_P1_133277_10820321	NC_021166.1	Ca_kabuli_chr07	10820321	GG	TT	1940390580
SNP_P1_133278_10821680	NC_021166.1	Ca_kabuli_chr07	10821680	TT	AA	1940390582
SNP_P1_133279_10822720	NC_021166.1	Ca_kabuli_chr07	10822720	GG	AA	1940390583
SNP_P1_133281_10822837	NC_021166.1	Ca_kabuli_chr07	10822837	AA	TT	1940390585
SNP_P1_133282_10824376	NC_021166.1	Ca_kabuli_chr07	10824376	AA	GG	1940390587
SNP_P1_133283_10824399	NC_021166.1	Ca_kabuli_chr07	10824399	AA	GG	1940390589
SNP_P1_133284_10824420	NC_021166.1	Ca_kabuli_chr07	10824420	CC	AA	1940390590
SNP_P1_133285_10824421	NC_021166.1	Ca_kabuli_chr07	10824421	TT	AA	1940390592
SNP_P1_133286_10824488	NC_021166.1	Ca_kabuli_chr07	10824488	AA	GG	1940390594
SNP_P1_133287_10824491	NC_021166.1	Ca_kabuli_chr07	10824491	AA	GG	1940390596
SNP_P1_133288_10824544	NC_021166.1	Ca_kabuli_chr07	10824544	GG	AA	1940390597
SNP_P1_133289_10824590	NC_021166.1	Ca_kabuli_chr07	10824590	TT	CC	1940390599
SNP_P1_133290_10824596	NC_021166.1	Ca_kabuli_chr07	10824596	TT	CC	1940390601
SNP_P1_133291_10824618	NC_021166.1	Ca_kabuli_chr07	10824618	CC	TT	1940390603
SNP_P1_133292_10824625	NC_021166.1	Ca_kabuli_chr07	10824625	CC	TT	1940390605
SNP_P1_133293_10824718	NC_021166.1	Ca_kabuli_chr07	10824718	TT	AA	1940390606
SNP_P1_133294_10824854	NC_021166.1	Ca_kabuli_chr07	10824854	CC	TT	1940390608
SNP_P1_133295_10824870	NC_021166.1	Ca_kabuli_chr07	10824870	AA	CC	1940390610
SNP_P1_133296_10824881	NC_021166.1	Ca_kabuli_chr07	10824881	GG	CC	1940390612
SNP_P1_133297_10824882	NC_021166.1	Ca_kabuli_chr07	10824882	GG	AA	1940390613
SNP_P1_133298_10824884	NC_021166.1	Ca_kabuli_chr07	10824884	AA	GG	1940390615
SNP_P1_133299_10824890	NC_021166.1	Ca_kabuli_chr07	10824890	CC	TT	1940390617
SNP_P1_133301_10825239	NC_021166.1	Ca_kabuli_chr07	10825239	TT	AA	1940390619
SNP_P1_133302_10825241	NC_021166.1	Ca_kabuli_chr07	10825241	AA	GG	1940390621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133304_10825341	NC_021166.1	Ca_kabuli_chr07	10825341	AA	GG	1940390624
SNP_P1_133306_10825544	NC_021166.1	Ca_kabuli_chr07	10825544	AA	CC	1940390626
SNP_P1_133307_10825691	NC_021166.1	Ca_kabuli_chr07	10825691	AA	GG	1940390628
SNP_P1_133308_10825850	NC_021166.1	Ca_kabuli_chr07	10825850	AA	CC	1940390629
SNP_P1_133309_10825879	NC_021166.1	Ca_kabuli_chr07	10825879	AA	GG	1940390631
SNP_P1_133310_10825887	NC_021166.1	Ca_kabuli_chr07	10825887	GG	AA	1940390633
SNP_P1_133311_10825930	NC_021166.1	Ca_kabuli_chr07	10825930	AA	TT	1940390635
SNP_P1_133312_10825942	NC_021166.1	Ca_kabuli_chr07	10825942	AA	GG	1940390636
SNP_P1_133313_10825970	NC_021166.1	Ca_kabuli_chr07	10825970	CC	TT	1940390638
SNP_P1_133314_10826054	NC_021166.1	Ca_kabuli_chr07	10826054	GG	CC	1940390640
SNP_P1_133315_10826835	NC_021166.1	Ca_kabuli_chr07	10826835	TT	GG	1940390642
SNP_P1_133316_10826904	NC_021166.1	Ca_kabuli_chr07	10826904	CC	TT	1940390644
SNP_P1_133317_10826945	NC_021166.1	Ca_kabuli_chr07	10826945	GG	AA	1940390645
SNP_P1_133318_10827024	NC_021166.1	Ca_kabuli_chr07	10827024	GG	TT	1940390647
SNP_P1_133319_10827034	NC_021166.1	Ca_kabuli_chr07	10827034	TT	CC	1940390649
SNP_P1_133320_10827036	NC_021166.1	Ca_kabuli_chr07	10827036	CC	TT	1940390651
SNP_P1_133321_10827057	NC_021166.1	Ca_kabuli_chr07	10827057	CC	TT	1940390652
SNP_P1_133322_10827083	NC_021166.1	Ca_kabuli_chr07	10827083	GG	TT	1940390654
SNP_P1_133323_10827095	NC_021166.1	Ca_kabuli_chr07	10827095	CC	TT	1940390656
SNP_P1_133324_10827139	NC_021166.1	Ca_kabuli_chr07	10827139	AA	GG	1940390658
SNP_P1_133325_10827312	NC_021166.1	Ca_kabuli_chr07	10827312	CC	TT	1940390660
SNP_P1_133326_10827320	NC_021166.1	Ca_kabuli_chr07	10827320	GG	AA	1940390661
SNP_P1_133327_10829075	NC_021166.1	Ca_kabuli_chr07	10829075	TT	CC	1940390663
SNP_P1_133328_10829772	NC_021166.1	Ca_kabuli_chr07	10829772	CC	TT	1940390665
SNP_P1_133329_10829793	NC_021166.1	Ca_kabuli_chr07	10829793	TT	GG	1940390666
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SNP_P1_133332_10830528	NC_021166.1	Ca_kabuli_chr07	10830528	AA	GG	1940390670
SNP_P1_133333_10830538	NC_021166.1	Ca_kabuli_chr07	10830538	TT	CC	1940390672
SNP_P1_133334_10830555	NC_021166.1	Ca_kabuli_chr07	10830555	GG	AA	1940390674
SNP_P1_133335_10830825	NC_021166.1	Ca_kabuli_chr07	10830825	AA	TT	1940390675
SNP_P1_133336_10831129	NC_021166.1	Ca_kabuli_chr07	10831129	GG	AA	1940390677
SNP_P1_133337_10831542	NC_021166.1	Ca_kabuli_chr07	10831542	AA	TT	1940390679
SNP_P1_133339_10832173	NC_021166.1	Ca_kabuli_chr07	10832173	TT	CC	1940390681
SNP_P1_133340_10832423	NC_021166.1	Ca_kabuli_chr07	10832423	GG	TT	1940390683
SNP_P1_133341_10834231	NC_021166.1	Ca_kabuli_chr07	10834231	CC	TT	1940390684
SNP_P1_133343_10834882	NC_021166.1	Ca_kabuli_chr07	10834882	AA	CC	1940390686
SNP_P1_133344_10835444	NC_021166.1	Ca_kabuli_chr07	10835444	GG	CC	1940390688
SNP_P1_133345_10838544	NC_021166.1	Ca_kabuli_chr07	10838544	GG	AA	1940390690
SNP_P1_133346_10838581	NC_021166.1	Ca_kabuli_chr07	10838581	AA	GG	1940390691
SNP_P1_133348_10838625	NC_021166.1	Ca_kabuli_chr07	10838625	TT	GG	1940390693
SNP_P1_133349_10839075	NC_021166.1	Ca_kabuli_chr07	10839075	TT	CC	1940390695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133351_10839287	NC_021166.1	Ca_kabuli_chr07	10839287	GG	CC	1940390698
SNP_P1_133352_10839329	NC_021166.1	Ca_kabuli_chr07	10839329	GG	AA	1940390700
SNP_P1_133353_10839780	NC_021166.1	Ca_kabuli_chr07	10839780	TT	CC	1940390702
SNP_P1_133355_10841154	NC_021166.1	Ca_kabuli_chr07	10841154	CC	TT	1940390704
SNP_P1_133356_10841200	NC_021166.1	Ca_kabuli_chr07	10841200	TT	CC	1940390705
SNP_P1_133357_10845738	NC_021166.1	Ca_kabuli_chr07	10845738	GG	CC	1940390707
SNP_P1_133358_10846227	NC_021166.1	Ca_kabuli_chr07	10846227	TT	CC	1940390709
SNP_P1_133359_10846305	NC_021166.1	Ca_kabuli_chr07	10846305	GG	CC	1940390711
SNP_P1_133360_10846915	NC_021166.1	Ca_kabuli_chr07	10846915	TT	CC	1940390712
SNP_P1_133361_10847604	NC_021166.1	Ca_kabuli_chr07	10847604	TT	CC	1940390714
SNP_P1_133362_10848047	NC_021166.1	Ca_kabuli_chr07	10848047	CC	TT	1940390716
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SNP_P1_133365_10848928	NC_021166.1	Ca_kabuli_chr07	10848928	CC	GG	1940390721
SNP_P1_133366_10850292	NC_021166.1	Ca_kabuli_chr07	10850292	GG	AA	1940390723
SNP_P1_133367_10850294	NC_021166.1	Ca_kabuli_chr07	10850294	TT	CC	1940390725
SNP_P1_133368_10850296	NC_021166.1	Ca_kabuli_chr07	10850296	GG	AA	1940390727
SNP_P1_133369_10850322	NC_021166.1	Ca_kabuli_chr07	10850322	CC	GG	1940390728
SNP_P1_133370_10851323	NC_021166.1	Ca_kabuli_chr07	10851323	TT	AA	1940390730
SNP_P1_133372_10851459	NC_021166.1	Ca_kabuli_chr07	10851459	GG	AA	1940390732
SNP_P1_133373_10851473	NC_021166.1	Ca_kabuli_chr07	10851473	CC	TT	1940390734
SNP_P1_133374_10852093	NC_021166.1	Ca_kabuli_chr07	10852093	GG	AA	1940390736
SNP_P1_133375_10852094	NC_021166.1	Ca_kabuli_chr07	10852094	AA	TT	1940390737
SNP_P1_133376_10852099	NC_021166.1	Ca_kabuli_chr07	10852099	AA	CC	1940390739
SNP_P1_133377_10852304	NC_021166.1	Ca_kabuli_chr07	10852304	AA	GG	1940390741
SNP_P1_133378_10852307	NC_021166.1	Ca_kabuli_chr07	10852307	AA	GG	1940390743
SNP_P1_133379_10852336	NC_021166.1	Ca_kabuli_chr07	10852336	TT	CC	1940390744
SNP_P1_133380_10853838	NC_021166.1	Ca_kabuli_chr07	10853838	AA	GG	1940390746
SNP_P1_133381_10853912	NC_021166.1	Ca_kabuli_chr07	10853912	AA	GG	1940390748
SNP_P1_133382_10853919	NC_021166.1	Ca_kabuli_chr07	10853919	GG	CC	1940390750
SNP_P1_133383_10854521	NC_021166.1	Ca_kabuli_chr07	10854521	GG	AA	1940390751
SNP_P1_133384_10855161	NC_021166.1	Ca_kabuli_chr07	10855161	AA	GG	1940390753
SNP_P1_133385_10855196	NC_021166.1	Ca_kabuli_chr07	10855196	GG	AA	1940390755
SNP_P1_133387_10855536	NC_021166.1	Ca_kabuli_chr07	10855536	AA	TT	1940390757
SNP_P1_133388_10855595	NC_021166.1	Ca_kabuli_chr07	10855595	GG	AA	1940390758
SNP_P1_133389_10855613	NC_021166.1	Ca_kabuli_chr07	10855613	TT	CC	1940390760
SNP_P1_133391_10856539	NC_021166.1	Ca_kabuli_chr07	10856539	CC	GG	1940390762
SNP_P1_133392_10856600	NC_021166.1	Ca_kabuli_chr07	10856600	CC	GG	1940390764
SNP_P1_133393_10856686	NC_021166.1	Ca_kabuli_chr07	10856686	AA	GG	1940390765
SNP_P1_133394_10856704	NC_021166.1	Ca_kabuli_chr07	10856704	CC	TT	1940390767
SNP_P1_133395_10857383	NC_021166.1	Ca_kabuli_chr07	10857383	GG	AA	1940390769

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133398_10858409	NC_021166.1	Ca_kabuli_chr07	10858409	TT	CC	1940390774
SNP_P1_133399_10858457	NC_021166.1	Ca_kabuli_chr07	10858457	CC	TT	1940390776
SNP_P1_133400_10858786	NC_021166.1	Ca_kabuli_chr07	10858786	AA	CC	1940390778
SNP_P1_133401_10858790	NC_021166.1	Ca_kabuli_chr07	10858790	TT	CC	1940390780
SNP_P1_133402_10858792	NC_021166.1	Ca_kabuli_chr07	10858792	GG	AA	1940390781
SNP_P1_133403_10858819	NC_021166.1	Ca_kabuli_chr07	10858819	AA	GG	1940390783
SNP_P1_133404_10858821	NC_021166.1	Ca_kabuli_chr07	10858821	TT	GG	1940390785
SNP_P1_133405_10858863	NC_021166.1	Ca_kabuli_chr07	10858863	CC	TT	1940390787
SNP_P1_133406_10860600	NC_021166.1	Ca_kabuli_chr07	10860600	TT	CC	1940390789
SNP_P1_133407_10860612	NC_021166.1	Ca_kabuli_chr07	10860612	TT	AA	1940390790
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SNP_P1_133410_10864481	NC_021166.1	Ca_kabuli_chr07	10864481	CC	TT	1940390794
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SNP_P1_133415_10872135	NC_021166.1	Ca_kabuli_chr07	10872135	GG	AA	1940390803
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SNP_P1_133417_10872323	NC_021166.1	Ca_kabuli_chr07	10872323	GG	AA	1940390806
SNP_P1_133418_10872406	NC_021166.1	Ca_kabuli_chr07	10872406	TT	CC	1940390808
SNP_P1_133420_10872789	NC_021166.1	Ca_kabuli_chr07	10872789	GG	AA	1940390810
SNP_P1_133421_10873024	NC_021166.1	Ca_kabuli_chr07	10873024	CC	TT	1940390812
SNP_P1_133423_10874061	NC_021166.1	Ca_kabuli_chr07	10874061	AA	TT	1940390813
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SNP_P1_133425_10876107	NC_021166.1	Ca_kabuli_chr07	10876107	TT	AA	1940390817
SNP_P1_133426_10876162	NC_021166.1	Ca_kabuli_chr07	10876162	GG	AA	1940390819
SNP_P1_133427_10876372	NC_021166.1	Ca_kabuli_chr07	10876372	AA	GG	1940390820
SNP_P1_133428_10876388	NC_021166.1	Ca_kabuli_chr07	10876388	GG	AA	1940390822
SNP_P1_133429_10876407	NC_021166.1	Ca_kabuli_chr07	10876407	CC	TT	1940390824
SNP_P1_133430_10876564	NC_021166.1	Ca_kabuli_chr07	10876564	CC	TT	1940390826
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SNP_P1_133433_10876704	NC_021166.1	Ca_kabuli_chr07	10876704	GG	AA	1940390831
SNP_P1_133434_10876795	NC_021166.1	Ca_kabuli_chr07	10876795	GG	AA	1940390833
SNP_P1_133435_10876830	NC_021166.1	Ca_kabuli_chr07	10876830	GG	AA	1940390835
SNP_P1_133436_10877801	NC_021166.1	Ca_kabuli_chr07	10877801	TT	GG	1940390836
SNP_P1_133439_10879830	NC_021166.1	Ca_kabuli_chr07	10879830	GG	AA	1940390838
SNP_P1_133440_10879902	NC_021166.1	Ca_kabuli_chr07	10879902	TT	CC	1940390840
SNP_P1_133441_10880661	NC_021166.1	Ca_kabuli_chr07	10880661	CC	TT	1940390842
SNP_P1_133442_10881304	NC_021166.1	Ca_kabuli_chr07	10881304	AA	TT	1940390843

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133446_10891059	NC_021166.1	Ca_kabuli_chr07	10891059	TT	CC	1940390849
SNP_P1_133447_10891077	NC_021166.1	Ca_kabuli_chr07	10891077	TT	CC	1940390851
SNP_P1_133448_10891079	NC_021166.1	Ca_kabuli_chr07	10891079	TT	CC	1940390852
SNP_P1_133449_10891084	NC_021166.1	Ca_kabuli_chr07	10891084	CC	GG	1940390854
SNP_P1_133450_10891095	NC_021166.1	Ca_kabuli_chr07	10891095	CC	TT	1940390856
SNP_P1_133451_10891097	NC_021166.1	Ca_kabuli_chr07	10891097	CC	TT	1940390857
SNP_P1_133452_10891104	NC_021166.1	Ca_kabuli_chr07	10891104	AA	GG	1940390859
SNP_P1_133453_10891172	NC_021166.1	Ca_kabuli_chr07	10891172	AA	CC	1940390861
SNP_P1_133454_10891382	NC_021166.1	Ca_kabuli_chr07	10891382	AA	GG	1940390863
SNP_P1_133456_10894255	NC_021166.1	Ca_kabuli_chr07	10894255	TT	CC	1940390865
SNP_P1_133457_10894309	NC_021166.1	Ca_kabuli_chr07	10894309	GG	CC	1940390866
SNP_P1_133458_10894318	NC_021166.1	Ca_kabuli_chr07	10894318	TT	CC	1940390868
SNP_P1_133459_10894798	NC_021166.1	Ca_kabuli_chr07	10894798	TT	CC	1940390870
SNP_P1_133460_10894807	NC_021166.1	Ca_kabuli_chr07	10894807	CC	TT	1940390872
SNP_P1_133461_10894826	NC_021166.1	Ca_kabuli_chr07	10894826	GG	AA	1940390873
SNP_P1_133462_10894828	NC_021166.1	Ca_kabuli_chr07	10894828	AA	GG	1940390875
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SNP_P1_133464_10894889	NC_021166.1	Ca_kabuli_chr07	10894889	CC	AA	1940390879
SNP_P1_133465_10894922	NC_021166.1	Ca_kabuli_chr07	10894922	TT	CC	1940390881
SNP_P1_133466_10894989	NC_021166.1	Ca_kabuli_chr07	10894989	GG	TT	1940390882
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SNP_P1_133468_10896005	NC_021166.1	Ca_kabuli_chr07	10896005	TT	AA	1940390886
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SNP_P1_133475_10898755	NC_021166.1	Ca_kabuli_chr07	10898755	CC	TT	1940390897
SNP_P1_133476_10899239	NC_021166.1	Ca_kabuli_chr07	10899239	TT	GG	1940390898
SNP_P1_133477_10899260	NC_021166.1	Ca_kabuli_chr07	10899260	TT	CC	1940390900
SNP_P1_133478_10899368	NC_021166.1	Ca_kabuli_chr07	10899368	GG	AA	1940390902
SNP_P1_133480_10901404	NC_021166.1	Ca_kabuli_chr07	10901404	GG	TT	1940390904
SNP_P1_133481_10901449	NC_021166.1	Ca_kabuli_chr07	10901449	GG	AA	1940390905
SNP_P1_133482_10901505	NC_021166.1	Ca_kabuli_chr07	10901505	TT	CC	1940390907
SNP_P1_133483_10903011	NC_021166.1	Ca_kabuli_chr07	10903011	AA	TT	1940390909
SNP_P1_133484_10903529	NC_021166.1	Ca_kabuli_chr07	10903529	GG	CC	1940390911
SNP_P1_133485_10904197	NC_021166.1	Ca_kabuli_chr07	10904197	CC	TT	1940390912
SNP_P1_133486_10904198	NC_021166.1	Ca_kabuli_chr07	10904198	GG	AA	1940390914
SNP_P1_133489_10904867	NC_021166.1	Ca_kabuli_chr07	10904867	GG	TT	1940390916
SNP_P1_133491_10906970	NC_021166.1	Ca_kabuli_chr07	10906970	CC	TT	1940390918

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133494_10908308	NC_021166.1	Ca_kabuli_chr07	10908308	CC	TT	1940390923
SNP_P1_133495_10908482	NC_021166.1	Ca_kabuli_chr07	10908482	AA	GG	1940390925
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SNP_P1_133497_10908797	NC_021166.1	Ca_kabuli_chr07	10908797	TT	GG	1940390928
SNP_P1_133498_10908861	NC_021166.1	Ca_kabuli_chr07	10908861	AA	TT	1940390930
SNP_P1_133499_10908894	NC_021166.1	Ca_kabuli_chr07	10908894	TT	CC	1940390932
SNP_P1_133500_10909277	NC_021166.1	Ca_kabuli_chr07	10909277	AA	TT	1940390933
SNP_P1_133501_10909562	NC_021166.1	Ca_kabuli_chr07	10909562	AA	GG	1940390935
SNP_P1_133502_10909608	NC_021166.1	Ca_kabuli_chr07	10909608	TT	CC	1940390937
SNP_P1_133503_10909767	NC_021166.1	Ca_kabuli_chr07	10909767	AA	GG	1940390939
SNP_P1_133504_10909773	NC_021166.1	Ca_kabuli_chr07	10909773	AA	GG	1940390941
SNP_P1_133505_10909789	NC_021166.1	Ca_kabuli_chr07	10909789	TT	AA	1940390942
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SNP_P1_133512_10911440	NC_021166.1	Ca_kabuli_chr07	10911440	TT	CC	1940390951
SNP_P1_133515_10914601	NC_021166.1	Ca_kabuli_chr07	10914601	AA	TT	1940390953
SNP_P1_133516_10914607	NC_021166.1	Ca_kabuli_chr07	10914607	GG	AA	1940390955
SNP_P1_133517_10914988	NC_021166.1	Ca_kabuli_chr07	10914988	CC	TT	1940390956
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SNP_P1_133521_10915754	NC_021166.1	Ca_kabuli_chr07	10915754	AA	TT	1940390962
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SNP_P1_133523_10917867	NC_021166.1	Ca_kabuli_chr07	10917867	AA	TT	1940390965
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SNP_P1_133525_10918128	NC_021166.1	Ca_kabuli_chr07	10918128	AA	GG	1940390969
SNP_P1_133526_10918222	NC_021166.1	Ca_kabuli_chr07	10918222	CC	TT	1940390971
SNP_P1_133528_10920780	NC_021166.1	Ca_kabuli_chr07	10920780	AA	TT	1940390972
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SNP_P1_133531_10924957	NC_021166.1	Ca_kabuli_chr07	10924957	CC	TT	1940390978
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SNP_P1_133538_10926570	NC_021166.1	Ca_kabuli_chr07	10926570	AA	GG	1940390986
SNP_P1_133539_10927110	NC_021166.1	Ca_kabuli_chr07	10927110	AA	GG	1940390988
SNP_P1_133540_10927164	NC_021166.1	Ca_kabuli_chr07	10927164	GG	AA	1940390990
SNP_P1_133541_10927188	NC_021166.1	Ca_kabuli_chr07	10927188	CC	TT	1940390992

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133545_10927623	NC_021166.1	Ca_kabuli_chr07	10927623	TT	AA	1940390999
SNP_P1_133546_10927698	NC_021166.1	Ca_kabuli_chr07	10927698	GG	AA	1940391001
SNP_P1_133547_10927735	NC_021166.1	Ca_kabuli_chr07	10927735	TT	CC	1940391002
SNP_P1_133548_10927752	NC_021166.1	Ca_kabuli_chr07	10927752	TT	CC	1940391004
SNP_P1_133549_10927772	NC_021166.1	Ca_kabuli_chr07	10927772	AA	GG	1940391006
SNP_P1_133550_10927862	NC_021166.1	Ca_kabuli_chr07	10927862	CC	GG	1940391008
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SNP_P1_133554_10932091	NC_021166.1	Ca_kabuli_chr07	10932091	CC	AA	1940391015
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SNP_P1_133588_10941185	NC_021166.1	Ca_kabuli_chr07	10941185	TT	CC	1940391064
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133592_10941296	NC_021166.1	Ca_kabuli_chr07	10941296	GG	AA	1940391072
SNP_P1_133593_10941541	NC_021166.1	Ca_kabuli_chr07	10941541	TT	CC	1940391073
SNP_P1_133594_10941561	NC_021166.1	Ca_kabuli_chr07	10941561	CC	TT	1940391075
SNP_P1_133595_10942203	NC_021166.1	Ca_kabuli_chr07	10942203	CC	TT	1940391077
SNP_P1_133596_10942350	NC_021166.1	Ca_kabuli_chr07	10942350	AA	GG	1940391079
SNP_P1_133598_10942913	NC_021166.1	Ca_kabuli_chr07	10942913	GG	TT	1940391080
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SNP_P1_133602_10943057	NC_021166.1	Ca_kabuli_chr07	10943057	TT	CC	1940391088
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SNP_P1_133605_10943455	NC_021166.1	Ca_kabuli_chr07	10943455	CC	TT	1940391091
SNP_P1_133607_10943740	NC_021166.1	Ca_kabuli_chr07	10943740	AA	TT	1940391093
SNP_P1_133608_10943742	NC_021166.1	Ca_kabuli_chr07	10943742	TT	AA	1940391095
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SNP_P1_133610_10943860	NC_021166.1	Ca_kabuli_chr07	10943860	TT	CC	1940391098
SNP_P1_133611_10943861	NC_021166.1	Ca_kabuli_chr07	10943861	AA	GG	1940391100
SNP_P1_133612_10943990	NC_021166.1	Ca_kabuli_chr07	10943990	AA	TT	1940391102
SNP_P1_133613_10944006	NC_021166.1	Ca_kabuli_chr07	10944006	AA	GG	1940391103
SNP_P1_133614_10944022	NC_021166.1	Ca_kabuli_chr07	10944022	GG	CC	1940391105
SNP_P1_133615_10944073	NC_021166.1	Ca_kabuli_chr07	10944073	AA	TT	1940391107
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SNP_P1_133617_10944093	NC_021166.1	Ca_kabuli_chr07	10944093	AA	GG	1940391111
SNP_P1_133618_10944108	NC_021166.1	Ca_kabuli_chr07	10944108	AA	GG	1940391113
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SNP_P1_133622_10944276	NC_021166.1	Ca_kabuli_chr07	10944276	AA	GG	1940391120
SNP_P1_133625_10944891	NC_021166.1	Ca_kabuli_chr07	10944891	AA	TT	1940391122
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SNP_P1_133627_10945954	NC_021166.1	Ca_kabuli_chr07	10945954	GG	AA	1940391125
SNP_P1_133628_10961275	NC_021166.1	Ca_kabuli_chr07	10961275	CC	TT	1940391127
SNP_P1_133629_10961291	NC_021166.1	Ca_kabuli_chr07	10961291	TT	CC	1940391129
SNP_P1_133630_10961345	NC_021166.1	Ca_kabuli_chr07	10961345	TT	CC	1940391131
SNP_P1_133631_10961399	NC_021166.1	Ca_kabuli_chr07	10961399	GG	AA	1940391133
SNP_P1_133632_10961510	NC_021166.1	Ca_kabuli_chr07	10961510	TT	CC	1940391135
SNP_P1_133633_10961546	NC_021166.1	Ca_kabuli_chr07	10961546	GG	AA	1940391136
SNP_P1_133634_10961551	NC_021166.1	Ca_kabuli_chr07	10961551	AA	GG	1940391138
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133638_10974592	NC_021166.1	Ca_kabuli_chr07	10974592	GG	AA	1940391145
SNP_P1_133639_10974594	NC_021166.1	Ca_kabuli_chr07	10974594	AA	GG	1940391147
SNP_P1_133640_10975997	NC_021166.1	Ca_kabuli_chr07	10975997	TT	GG	1940391149
SNP_P1_133641_10979410	NC_021166.1	Ca_kabuli_chr07	10979410	CC	TT	1940391151
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SNP_P1_133644_11026259	NC_021166.1	Ca_kabuli_chr07	11026259	CC	TT	1940391156
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SNP_P1_133648_11027676	NC_021166.1	Ca_kabuli_chr07	11027676	GG	CC	1940391161
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SNP_P1_133650_11027683	NC_021166.1	Ca_kabuli_chr07	11027683	CC	TT	1940391165
SNP_P1_133651_11027766	NC_021166.1	Ca_kabuli_chr07	11027766	CC	GG	1940391167
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SNP_P1_133654_11030281	NC_021166.1	Ca_kabuli_chr07	11030281	AA	GG	1940391172
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SNP_P1_133656_11030858	NC_021166.1	Ca_kabuli_chr07	11030858	CC	TT	1940391175
SNP_P1_133657_11030860	NC_021166.1	Ca_kabuli_chr07	11030860	GG	CC	1940391177
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SNP_P1_133660_11031895	NC_021166.1	Ca_kabuli_chr07	11031895	AA	CC	1940391183
SNP_P1_133661_11031986	NC_021166.1	Ca_kabuli_chr07	11031986	CC	AA	1940391184
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SNP_P1_133667_11033293	NC_021166.1	Ca_kabuli_chr07	11033293	AA	GG	1940391193
SNP_P1_133669_11033322	NC_021166.1	Ca_kabuli_chr07	11033322	CC	TT	1940391195
SNP_P1_133671_11035255	NC_021166.1	Ca_kabuli_chr07	11035255	CC	TT	1940391197
SNP_P1_133672_11035626	NC_021166.1	Ca_kabuli_chr07	11035626	AA	TT	1940391199
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SNP_P1_133675_11035973	NC_021166.1	Ca_kabuli_chr07	11035973	TT	CC	1940391202
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SNP_P1_133678_11036092	NC_021166.1	Ca_kabuli_chr07	11036092	AA	GG	1940391207
SNP_P1_133679_11036128	NC_021166.1	Ca_kabuli_chr07	11036128	CC	TT	1940391209
SNP_P1_133680_11036343	NC_021166.1	Ca_kabuli_chr07	11036343	TT	CC	1940391211
SNP_P1_133681_11036763	NC_021166.1	Ca_kabuli_chr07	11036763	AA	GG	1940391213
SNP_P1_133682_11037033	NC_021166.1	Ca_kabuli_chr07	11037033	CC	AA	1940391215
SNP_P1_133683_11037049	NC_021166.1	Ca_kabuli_chr07	11037049	TT	AA	1940391216

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133686_11037455	NC_021166.1	Ca_kabuli_chr07	11037455	AA	TT	1940391222
SNP_P1_133687_11037833	NC_021166.1	Ca_kabuli_chr07	11037833	GG	AA	1940391223
SNP_P1_133688_11038014	NC_021166.1	Ca_kabuli_chr07	11038014	AA	TT	1940391225
SNP_P1_133689_11038046	NC_021166.1	Ca_kabuli_chr07	11038046	AA	CC	1940391227
SNP_P1_133690_11039186	NC_021166.1	Ca_kabuli_chr07	11039186	CC	AA	1940391229
SNP_P1_133691_11039937	NC_021166.1	Ca_kabuli_chr07	11039937	GG	CC	1940391231
SNP_P1_133692_11044696	NC_021166.1	Ca_kabuli_chr07	11044696	GG	CC	1940391232
SNP_P1_133693_11045048	NC_021166.1	Ca_kabuli_chr07	11045048	AA	CC	1940391234
SNP_P1_133694_11054191	NC_021166.1	Ca_kabuli_chr07	11054191	TT	CC	1940391236
SNP_P1_133695_11056468	NC_021166.1	Ca_kabuli_chr07	11056468	CC	TT	1940391238
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SNP_P1_133697_11056522	NC_021166.1	Ca_kabuli_chr07	11056522	GG	TT	1940391241
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SNP_P1_133700_11056656	NC_021166.1	Ca_kabuli_chr07	11056656	CC	TT	1940391246
SNP_P1_133701_11056662	NC_021166.1	Ca_kabuli_chr07	11056662	AA	GG	1940391248
SNP_P1_133702_11056689	NC_021166.1	Ca_kabuli_chr07	11056689	GG	AA	1940391250
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SNP_P1_133706_11057708	NC_021166.1	Ca_kabuli_chr07	11057708	TT	CC	1940391255
SNP_P1_133707_11057783	NC_021166.1	Ca_kabuli_chr07	11057783	CC	TT	1940391257
SNP_P1_133708_11057878	NC_021166.1	Ca_kabuli_chr07	11057878	GG	AA	1940391259
SNP_P1_133709_11058699	NC_021166.1	Ca_kabuli_chr07	11058699	TT	CC	1940391261
SNP_P1_133710_11058751	NC_021166.1	Ca_kabuli_chr07	11058751	TT	GG	1940391263
SNP_P1_133711_11058773	NC_021166.1	Ca_kabuli_chr07	11058773	CC	TT	1940391264
SNP_P1_133712_11058812	NC_021166.1	Ca_kabuli_chr07	11058812	GG	AA	1940391266
SNP_P1_133713_11058892	NC_021166.1	Ca_kabuli_chr07	11058892	AA	GG	1940391268
SNP_P1_133714_11058941	NC_021166.1	Ca_kabuli_chr07	11058941	GG	TT	1940391270
SNP_P1_133715_11058958	NC_021166.1	Ca_kabuli_chr07	11058958	GG	AA	1940391271
SNP_P1_133716_11059021	NC_021166.1	Ca_kabuli_chr07	11059021	TT	AA	1940391273
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SNP_P1_133718_11059055	NC_021166.1	Ca_kabuli_chr07	11059055	GG	AA	1940391277
SNP_P1_133719_11059065	NC_021166.1	Ca_kabuli_chr07	11059065	GG	AA	1940391279
SNP_P1_133720_11059075	NC_021166.1	Ca_kabuli_chr07	11059075	TT	GG	1940391280
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SNP_P1_133724_11059412	NC_021166.1	Ca_kabuli_chr07	11059412	TT	CC	1940391287
SNP_P1_133725_11060692	NC_021166.1	Ca_kabuli_chr07	11060692	AA	CC	1940391289
SNP_P1_133726_11060722	NC_021166.1	Ca_kabuli_chr07	11060722	AA	GG	1940391291

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133729_11060967	NC_021166.1	Ca_kabuli_chr07	11060967	AA	GG	1940391296
SNP_P1_133730_11060969	NC_021166.1	Ca_kabuli_chr07	11060969	CC	AA	1940391298
SNP_P1_133731_11060990	NC_021166.1	Ca_kabuli_chr07	11060990	TT	CC	1940391300
SNP_P1_133732_11061538	NC_021166.1	Ca_kabuli_chr07	11061538	GG	AA	1940391302
SNP_P1_133733_11062055	NC_021166.1	Ca_kabuli_chr07	11062055	TT	CC	1940391303
SNP_P1_133734_11062540	NC_021166.1	Ca_kabuli_chr07	11062540	TT	AA	1940391305
SNP_P1_133735_11063052	NC_021166.1	Ca_kabuli_chr07	11063052	TT	GG	1940391307
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SNP_P1_133737_11063147	NC_021166.1	Ca_kabuli_chr07	11063147	AA	TT	1940391311
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SNP_P1_133743_11063270	NC_021166.1	Ca_kabuli_chr07	11063270	AA	TT	1940391319
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SNP_P1_133762_11071130	NC_021166.1	Ca_kabuli_chr07	11071130	CC	TT	1940391346
SNP_P1_133763_11071142	NC_021166.1	Ca_kabuli_chr07	11071142	TT	CC	1940391348
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SNP_P1_133776_11074184	NC_021166.1	Ca_kabuli_chr07	11074184	TT	CC	1940391366

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133781_11074995	NC_021166.1	Ca_kabuli_chr07	11074995	GG	CC	1940391371
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SNP_P1_133783_11075224	NC_021166.1	Ca_kabuli_chr07	11075224	GG	AA	1940391375
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SNP_P1_133802_11080964	NC_021166.1	Ca_kabuli_chr07	11080964	GG	CC	1940391401
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SNP_P1_133804_11081029	NC_021166.1	Ca_kabuli_chr07	11081029	GG	AA	1940391405
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SNP_P1_133806_11081116	NC_021166.1	Ca_kabuli_chr07	11081116	CC	TT	1940391408
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SNP_P1_133811_11081243	NC_021166.1	Ca_kabuli_chr07	11081243	CC	TT	1940391417
SNP_P1_133813_11082397	NC_021166.1	Ca_kabuli_chr07	11082397	AA	GG	1940391419
SNP_P1_133814_11082673	NC_021166.1	Ca_kabuli_chr07	11082673	GG	TT	1940391421
SNP_P1_133815_11083019	NC_021166.1	Ca_kabuli_chr07	11083019	GG	CC	1940391422
SNP_P1_133816_11083049	NC_021166.1	Ca_kabuli_chr07	11083049	GG	AA	1940391424
SNP_P1_133817_11083069	NC_021166.1	Ca_kabuli_chr07	11083069	CC	GG	1940391426
SNP_P1_133818_11083188	NC_021166.1	Ca_kabuli_chr07	11083188	TT	AA	1940391428
SNP_P1_133819_11083225	NC_021166.1	Ca_kabuli_chr07	11083225	TT	CC	1940391429
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SNP_P1_133824_11085619	NC_021166.1	Ca_kabuli_chr07	11085619	TT	CC	1940391435
SNP_P1_133825_11085620	NC_021166.1	Ca_kabuli_chr07	11085620	TT	CC	1940391437
SNP_P1_133826_11087131	NC_021166.1	Ca_kabuli_chr07	11087131	CC	AA	1940391438
SNP_P1_133827_11088169	NC_021166.1	Ca_kabuli_chr07	11088169	TT	CC	1940391440

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133829_11088705	NC_021166.1	Ca_kabuli_chr07	11088705	GG	CC	1940391444
SNP_P1_133830_11088709	NC_021166.1	Ca_kabuli_chr07	11088709	AA	CC	1940391445
SNP_P1_133831_11088710	NC_021166.1	Ca_kabuli_chr07	11088710	AA	GG	1940391447
SNP_P1_133832_11089302	NC_021166.1	Ca_kabuli_chr07	11089302	CC	TT	1940391449
SNP_P1_133833_11089479	NC_021166.1	Ca_kabuli_chr07	11089479	CC	GG	1940391451
SNP_P1_133835_11089533	NC_021166.1	Ca_kabuli_chr07	11089533	GG	CC	1940391453
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SNP_P1_133838_11090576	NC_021166.1	Ca_kabuli_chr07	11090576	AA	CC	1940391456
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SNP_P1_133840_11090844	NC_021166.1	Ca_kabuli_chr07	11090844	GG	CC	1940391460
SNP_P1_133841_11091072	NC_021166.1	Ca_kabuli_chr07	11091072	GG	AA	1940391461
SNP_P1_133842_11091293	NC_021166.1	Ca_kabuli_chr07	11091293	CC	TT	1940391463
SNP_P1_133843_11091317	NC_021166.1	Ca_kabuli_chr07	11091317	AA	GG	1940391465
SNP_P1_133844_11091362	NC_021166.1	Ca_kabuli_chr07	11091362	CC	TT	1940391467
SNP_P1_133846_11092094	NC_021166.1	Ca_kabuli_chr07	11092094	TT	GG	1940391469
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SNP_P1_133853_11093859	NC_021166.1	Ca_kabuli_chr07	11093859	TT	CC	1940391481
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SNP_P1_133858_11094290	NC_021166.1	Ca_kabuli_chr07	11094290	AA	TT	1940391490
SNP_P1_133859_11094296	NC_021166.1	Ca_kabuli_chr07	11094296	TT	AA	1940391492
SNP_P1_133860_11094496	NC_021166.1	Ca_kabuli_chr07	11094496	GG	AA	1940391493
SNP_P1_133861_11094544	NC_021166.1	Ca_kabuli_chr07	11094544	CC	TT	1940391495
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SNP_P1_133865_11096974	NC_021166.1	Ca_kabuli_chr07	11096974	GG	TT	1940391502
SNP_P1_133866_11097118	NC_021166.1	Ca_kabuli_chr07	11097118	TT	AA	1940391504
SNP_P1_133867_11097122	NC_021166.1	Ca_kabuli_chr07	11097122	AA	GG	1940391506
SNP_P1_133868_11097132	NC_021166.1	Ca_kabuli_chr07	11097132	CC	TT	1940391508
SNP_P1_133869_11097481	NC_021166.1	Ca_kabuli_chr07	11097481	CC	AA	1940391509
SNP_P1_133870_11098530	NC_021166.1	Ca_kabuli_chr07	11098530	GG	AA	1940391511
SNP_P1_133871_11098608	NC_021166.1	Ca_kabuli_chr07	11098608	TT	AA	1940391513
SNP_P1_133872_11099620	NC_021166.1	Ca_kabuli_chr07	11099620	AA	GG	1940391515

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133875_11099784	NC_021166.1	Ca_kabuli_chr07	11099784	CC	AA	1940391520
SNP_P1_133876_11100016	NC_021166.1	Ca_kabuli_chr07	11100016	TT	AA	1940391522
SNP_P1_133877_11100038	NC_021166.1	Ca_kabuli_chr07	11100038	CC	TT	1940391524
SNP_P1_133878_11100149	NC_021166.1	Ca_kabuli_chr07	11100149	TT	CC	1940391525
SNP_P1_133880_11100514	NC_021166.1	Ca_kabuli_chr07	11100514	CC	TT	1940391527
SNP_P1_133881_11100518	NC_021166.1	Ca_kabuli_chr07	11100518	AA	GG	1940391529
SNP_P1_133882_11100556	NC_021166.1	Ca_kabuli_chr07	11100556	AA	GG	1940391531
SNP_P1_133883_11100899	NC_021166.1	Ca_kabuli_chr07	11100899	CC	AA	1940391532
SNP_P1_133884_11100931	NC_021166.1	Ca_kabuli_chr07	11100931	TT	CC	1940391534
SNP_P1_133885_11101079	NC_021166.1	Ca_kabuli_chr07	11101079	TT	CC	1940391536
SNP_P1_133887_11101246	NC_021166.1	Ca_kabuli_chr07	11101246	AA	TT	1940391538
SNP_P1_133889_11101600	NC_021166.1	Ca_kabuli_chr07	11101600	GG	TT	1940391540
SNP_P1_133891_11101962	NC_021166.1	Ca_kabuli_chr07	11101962	GG	AA	1940391541
SNP_P1_133892_11102177	NC_021166.1	Ca_kabuli_chr07	11102177	TT	GG	1940391543
SNP_P1_133893_11102919	NC_021166.1	Ca_kabuli_chr07	11102919	CC	AA	1940391545
SNP_P1_133894_11102925	NC_021166.1	Ca_kabuli_chr07	11102925	CC	TT	1940391547
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SNP_P1_133896_11103245	NC_021166.1	Ca_kabuli_chr07	11103245	TT	AA	1940391550
SNP_P1_133898_11103352	NC_021166.1	Ca_kabuli_chr07	11103352	CC	TT	1940391552
SNP_P1_133899_11103613	NC_021166.1	Ca_kabuli_chr07	11103613	CC	AA	1940391554
SNP_P1_133900_11106676	NC_021166.1	Ca_kabuli_chr07	11106676	TT	AA	1940391556
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SNP_P1_133905_11111580	NC_021166.1	Ca_kabuli_chr07	11111580	AA	GG	1940391563
SNP_P1_133906_11111722	NC_021166.1	Ca_kabuli_chr07	11111722	CC	TT	1940391564
SNP_P1_133907_11111743	NC_021166.1	Ca_kabuli_chr07	11111743	AA	GG	1940391566
SNP_P1_133908_11111744	NC_021166.1	Ca_kabuli_chr07	11111744	TT	CC	1940391568
SNP_P1_133909_11111764	NC_021166.1	Ca_kabuli_chr07	11111764	AA	GG	1940391570
SNP_P1_133910_11111978	NC_021166.1	Ca_kabuli_chr07	11111978	CC	TT	1940391572
SNP_P1_133911_11112970	NC_021166.1	Ca_kabuli_chr07	11112970	CC	TT	1940391573
SNP_P1_133912_11113999	NC_021166.1	Ca_kabuli_chr07	11113999	TT	GG	1940391575
SNP_P1_133913_11114258	NC_021166.1	Ca_kabuli_chr07	11114258	TT	CC	1940391577
SNP_P1_133914_11116049	NC_021166.1	Ca_kabuli_chr07	11116049	CC	TT	1940391579
SNP_P1_133915_11116593	NC_021166.1	Ca_kabuli_chr07	11116593	TT	AA	1940391580
SNP_P1_133916_11116723	NC_021166.1	Ca_kabuli_chr07	11116723	TT	CC	1940391582
SNP_P1_133917_11116766	NC_021166.1	Ca_kabuli_chr07	11116766	AA	GG	1940391584
SNP_P1_133918_11116933	NC_021166.1	Ca_kabuli_chr07	11116933	AA	GG	1940391586
SNP_P1_133919_11116952	NC_021166.1	Ca_kabuli_chr07	11116952	AA	GG	1940391588
SNP_P1_133921_11118446	NC_021166.1	Ca_kabuli_chr07	11118446	AA	CC	1940391589

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133925_11119633	NC_021166.1	Ca_kabuli_chr07	11119633	TT	GG	1940391595
SNP_P1_133926_11119775	NC_021166.1	Ca_kabuli_chr07	11119775	GG	TT	1940391596
SNP_P1_133927_11119963	NC_021166.1	Ca_kabuli_chr07	11119963	GG	CC	1940391598
SNP_P1_133928_11120311	NC_021166.1	Ca_kabuli_chr07	11120311	GG	AA	1940391600
SNP_P1_133932_11120808	NC_021166.1	Ca_kabuli_chr07	11120808	TT	AA	1940391602
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SNP_P1_133940_11122577	NC_021166.1	Ca_kabuli_chr07	11122577	CC	GG	1940391612
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SNP_P1_133969_11133577	NC_021166.1	Ca_kabuli_chr07	11133577	CC	TT	1940391660
SNP_P1_133971_11133890	NC_021166.1	Ca_kabuli_chr07	11133890	AA	TT	1940391662
SNP_P1_133973_11134619	NC_021166.1	Ca_kabuli_chr07	11134619	AA	GG	1940391664

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_133979_11137913	NC_021166.1	Ca_kabuli_chr07	11137913	TT	AA	1940391669
SNP_P1_133980_11138214	NC_021166.1	Ca_kabuli_chr07	11138214	TT	CC	1940391671
SNP_P1_133981_11138258	NC_021166.1	Ca_kabuli_chr07	11138258	AA	GG	1940391673
SNP_P1_133982_11139751	NC_021166.1	Ca_kabuli_chr07	11139751	GG	AA	1940391675
SNP_P1_133984_11139809	NC_021166.1	Ca_kabuli_chr07	11139809	CC	AA	1940391676
SNP_P1_133985_11139819	NC_021166.1	Ca_kabuli_chr07	11139819	AA	CC	1940391678
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SNP_P1_134007_11149088	NC_021166.1	Ca_kabuli_chr07	11149088	GG	AA	1940391714
SNP_P1_134008_11149296	NC_021166.1	Ca_kabuli_chr07	11149296	CC	TT	1940391716
SNP_P1_134009_11149365	NC_021166.1	Ca_kabuli_chr07	11149365	GG	AA	1940391717
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SNP_P1_134012_11149622	NC_021166.1	Ca_kabuli_chr07	11149622	AA	GG	1940391721
SNP_P1_134013_11150588	NC_021166.1	Ca_kabuli_chr07	11150588	TT	CC	1940391723
SNP_P1_134014_11150614	NC_021166.1	Ca_kabuli_chr07	11150614	GG	AA	1940391725
SNP_P1_134015_11150849	NC_021166.1	Ca_kabuli_chr07	11150849	TT	AA	1940391726
SNP_P1_134017_11151329	NC_021166.1	Ca_kabuli_chr07	11151329	GG	AA	1940391728
SNP_P1_134018_11151331	NC_021166.1	Ca_kabuli_chr07	11151331	GG	AA	1940391730
SNP_P1_134019_11151799	NC_021166.1	Ca_kabuli_chr07	11151799	CC	AA	1940391732
SNP_P1_134020_11151816	NC_021166.1	Ca_kabuli_chr07	11151816	GG	AA	1940391733
SNP_P1_134021_11152639	NC_021166.1	Ca_kabuli_chr07	11152639	GG	AA	1940391735
SNP_P1_134022_11152808	NC_021166.1	Ca_kabuli_chr07	11152808	GG	AA	1940391737
SNP_P1_134023_11152832	NC_021166.1	Ca_kabuli_chr07	11152832	GG	AA	1940391739

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_134024_11152891	NC_021166.1	Ca_kabuli_chr07	11152891	TT	AA	1940391741
SNP_P1_134025_11152894	NC_021166.1	Ca_kabuli_chr07	11152894	GG	AA	1940391742
SNP_P1_134026_11152906	NC_021166.1	Ca_kabuli_chr07	11152906	GG	AA	1940391744
SNP_P1_134027_11152955	NC_021166.1	Ca_kabuli_chr07	11152955	GG	AA	1940391746
SNP_P1_134028_11153073	NC_021166.1	Ca_kabuli_chr07	11153073	GG	AA	1940391748
SNP_P1_134029_11153083	NC_021166.1	Ca_kabuli_chr07	11153083	CC	TT	1940391749
SNP_P1_134030_11153173	NC_021166.1	Ca_kabuli_chr07	11153173	GG	AA	1940391751
SNP_P1_134031_11153191	NC_021166.1	Ca_kabuli_chr07	11153191	AA	GG	1940391753
SNP_P1_134032_11153639	NC_021166.1	Ca_kabuli_chr07	11153639	CC	TT	1940391755
SNP_P1_134033_11153824	NC_021166.1	Ca_kabuli_chr07	11153824	TT	AA	1940391756
SNP_P1_134034_11153880	NC_021166.1	Ca_kabuli_chr07	11153880	TT	CC	1940391758
SNP_P1_134035_11153901	NC_021166.1	Ca_kabuli_chr07	11153901	AA	GG	1940391760
SNP_P1_134037_11154170	NC_021166.1	Ca_kabuli_chr07	11154170	AA	GG	1940391762
SNP_P1_134038_11154348	NC_021166.1	Ca_kabuli_chr07	11154348	CC	GG	1940391764
SNP_P1_134040_11154482	NC_021166.1	Ca_kabuli_chr07	11154482	GG	AA	1940391765
SNP_P1_134041_11154624	NC_021166.1	Ca_kabuli_chr07	11154624	CC	TT	1940391767
SNP_P1_134042_11154687	NC_021166.1	Ca_kabuli_chr07	11154687	TT	CC	1940391769
SNP_P1_134043_11154813	NC_021166.1	Ca_kabuli_chr07	11154813	GG	AA	1940391771
SNP_P1_134044_11154837	NC_021166.1	Ca_kabuli_chr07	11154837	TT	CC	1940391773
SNP_P1_134045_11154864	NC_021166.1	Ca_kabuli_chr07	11154864	TT	CC	1940391774
SNP_P1_134046_11155418	NC_021166.1	Ca_kabuli_chr07	11155418	TT	AA	1940391776
SNP_P1_134047_11157063	NC_021166.1	Ca_kabuli_chr07	11157063	TT	AA	1940391778
SNP_P1_134048_11158731	NC_021166.1	Ca_kabuli_chr07	11158731	AA	TT	1940391780
SNP_P1_134049_11158738	NC_021166.1	Ca_kabuli_chr07	11158738	AA	TT	1940391781
SNP_P1_134050_11160249	NC_021166.1	Ca_kabuli_chr07	11160249	TT	CC	1940391783
SNP_P1_134052_11160490	NC_021166.1	Ca_kabuli_chr07	11160490	AA	GG	1940391785
SNP_P1_134054_11160610	NC_021166.1	Ca_kabuli_chr07	11160610	AA	GG	1940391787
SNP_P1_134056_11162963	NC_021166.1	Ca_kabuli_chr07	11162963	AA	GG	1940391789
SNP_P1_134057_11163443	NC_021166.1	Ca_kabuli_chr07	11163443	TT	CC	1940391790
SNP_P1_134058_11163722	NC_021166.1	Ca_kabuli_chr07	11163722	GG	AA	1940391792
SNP_P1_134059_11164364	NC_021166.1	Ca_kabuli_chr07	11164364	AA	GG	1940391794
SNP_P1_134060_11164370	NC_021166.1	Ca_kabuli_chr07	11164370	GG	AA	1940391796
SNP_P1_134061_11164460	NC_021166.1	Ca_kabuli_chr07	11164460	CC	TT	1940391797
SNP_P1_134062_11164484	NC_021166.1	Ca_kabuli_chr07	11164484	TT	CC	1940391799
SNP_P1_134063_11164655	NC_021166.1	Ca_kabuli_chr07	11164655	TT	GG	1940391801
SNP_P1_134064_11164691	NC_021166.1	Ca_kabuli_chr07	11164691	GG	AA	1940391803
SNP_P1_134065_11164947	NC_021166.1	Ca_kabuli_chr07	11164947	GG	AA	1940391805
SNP_P1_134066_11165305	NC_021166.1	Ca_kabuli_chr07	11165305	AA	GG	1940391806
SNP_P1_134067_11165410	NC_021166.1	Ca_kabuli_chr07	11165410	CC	GG	1940391808
SNP_P1_134068_11165801	NC_021166.1	Ca_kabuli_chr07	11165801	AA	TT	1940391810
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SNP_P1_134070_11166113	NC_021166.1	Ca_kabuli_chr07	11166113	AA	TT	1940391813

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134072_11166162	NC_021166.1	Ca_kabuli_chr07	11166162	AA	TT	1940391817
SNP_P1_134073_11166169	NC_021166.1	Ca_kabuli_chr07	11166169	AA	GG	1940391819
SNP_P1_134074_11166204	NC_021166.1	Ca_kabuli_chr07	11166204	TT	AA	1940391821
SNP_P1_134076_11166331	NC_021166.1	Ca_kabuli_chr07	11166331	AA	TT	1940391822
SNP_P1_134077_11166354	NC_021166.1	Ca_kabuli_chr07	11166354	AA	GG	1940391824
SNP_P1_134078_11166410	NC_021166.1	Ca_kabuli_chr07	11166410	AA	CC	1940391826
SNP_P1_134080_11166573	NC_021166.1	Ca_kabuli_chr07	11166573	CC	GG	1940391828
SNP_P1_134081_11166694	NC_021166.1	Ca_kabuli_chr07	11166694	GG	AA	1940391829
SNP_P1_134083_11166910	NC_021166.1	Ca_kabuli_chr07	11166910	GG	CC	1940391831
SNP_P1_134085_11167966	NC_021166.1	Ca_kabuli_chr07	11167966	GG	AA	1940391833
SNP_P1_134086_11168352	NC_021166.1	Ca_kabuli_chr07	11168352	GG	TT	1940391835
SNP_P1_134087_11168381	NC_021166.1	Ca_kabuli_chr07	11168381	TT	CC	1940391837
SNP_P1_134088_11168402	NC_021166.1	Ca_kabuli_chr07	11168402	CC	TT	1940391838
SNP_P1_134089_11168409	NC_021166.1	Ca_kabuli_chr07	11168409	AA	GG	1940391840
SNP_P1_134090_11168451	NC_021166.1	Ca_kabuli_chr07	11168451	AA	GG	1940391842
SNP_P1_134091_11168699	NC_021166.1	Ca_kabuli_chr07	11168699	CC	GG	1940391844
SNP_P1_134092_11168721	NC_021166.1	Ca_kabuli_chr07	11168721	TT	AA	1940391845
SNP_P1_134093_11168722	NC_021166.1	Ca_kabuli_chr07	11168722	AA	TT	1940391847
SNP_P1_134094_11168738	NC_021166.1	Ca_kabuli_chr07	11168738	TT	CC	1940391849
SNP_P1_134095_11169236	NC_021166.1	Ca_kabuli_chr07	11169236	GG	CC	1940391851
SNP_P1_134096_11169261	NC_021166.1	Ca_kabuli_chr07	11169261	AA	GG	1940391852
SNP_P1_134097_11169283	NC_021166.1	Ca_kabuli_chr07	11169283	AA	TT	1940391854
SNP_P1_134098_11169915	NC_021166.1	Ca_kabuli_chr07	11169915	AA	TT	1940391856
SNP_P1_134099_11170731	NC_021166.1	Ca_kabuli_chr07	11170731	GG	CC	1940391858
SNP_P1_134100_11171187	NC_021166.1	Ca_kabuli_chr07	11171187	AA	GG	1940391860
SNP_P1_134101_11171630	NC_021166.1	Ca_kabuli_chr07	11171630	AA	GG	1940391861
SNP_P1_134102_11171632	NC_021166.1	Ca_kabuli_chr07	11171632	AA	CC	1940391863
SNP_P1_134103_11171633	NC_021166.1	Ca_kabuli_chr07	11171633	AA	GG	1940391865
SNP_P1_134104_11171903	NC_021166.1	Ca_kabuli_chr07	11171903	GG	AA	1940391867
SNP_P1_134105_11171974	NC_021166.1	Ca_kabuli_chr07	11171974	CC	TT	1940391869
SNP_P1_134106_11171984	NC_021166.1	Ca_kabuli_chr07	11171984	TT	AA	1940391870
SNP_P1_134107_11172123	NC_021166.1	Ca_kabuli_chr07	11172123	CC	AA	1940391872
SNP_P1_134108_11172124	NC_021166.1	Ca_kabuli_chr07	11172124	TT	CC	1940391874
SNP_P1_134109_11172139	NC_021166.1	Ca_kabuli_chr07	11172139	GG	AA	1940391876
SNP_P1_134110_11172163	NC_021166.1	Ca_kabuli_chr07	11172163	GG	AA	1940391877
SNP_P1_134111_11172311	NC_021166.1	Ca_kabuli_chr07	11172311	GG	CC	1940391879
SNP_P1_134112_11173033	NC_021166.1	Ca_kabuli_chr07	11173033	CC	TT	1940391881
SNP_P1_134113_11173034	NC_021166.1	Ca_kabuli_chr07	11173034	AA	GG	1940391883
SNP_P1_134114_11173035	NC_021166.1	Ca_kabuli_chr07	11173035	TT	AA	1940391885
SNP_P1_134115_11173060	NC_021166.1	Ca_kabuli_chr07	11173060	CC	TT	1940391886
SNP_P1_134116_11173095	NC_021166.1	Ca_kabuli_chr07	11173095	TT	CC	1940391888

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_134117_11173232	NC_021166.1	Ca_kabuli_chr07	11173232	AA	GG	1940391890
SNP_P1_134118_11173275	NC_021166.1	Ca_kabuli_chr07	11173275	CC	TT	1940391892
SNP_P1_134119_11173290	NC_021166.1	Ca_kabuli_chr07	11173290	GG	TT	1940391893
SNP_P1_134120_11173294	NC_021166.1	Ca_kabuli_chr07	11173294	TT	CC	1940391895
SNP_P1_134121_11173325	NC_021166.1	Ca_kabuli_chr07	11173325	TT	CC	1940391897
SNP_P1_134122_11173397	NC_021166.1	Ca_kabuli_chr07	11173397	CC	AA	1940391899
SNP_P1_134123_11173838	NC_021166.1	Ca_kabuli_chr07	11173838	CC	TT	1940391901
SNP_P1_134124_11173845	NC_021166.1	Ca_kabuli_chr07	11173845	TT	CC	1940391902
SNP_P1_134125_11177291	NC_021166.1	Ca_kabuli_chr07	11177291	CC	AA	1940391904
SNP_P1_134126_11177292	NC_021166.1	Ca_kabuli_chr07	11177292	TT	CC	1940391906
SNP_P1_134127_11177399	NC_021166.1	Ca_kabuli_chr07	11177399	TT	CC	1940391908
SNP_P1_134128_11177423	NC_021166.1	Ca_kabuli_chr07	11177423	AA	GG	1940391909
SNP_P1_134129_11177444	NC_021166.1	Ca_kabuli_chr07	11177444	GG	AA	1940391911
SNP_P1_134130_11177790	NC_021166.1	Ca_kabuli_chr07	11177790	TT	GG	1940391913
SNP_P1_134131_11177809	NC_021166.1	Ca_kabuli_chr07	11177809	CC	GG	1940391915
SNP_P1_134132_11177823	NC_021166.1	Ca_kabuli_chr07	11177823	CC	TT	1940391917
SNP_P1_134133_11177840	NC_021166.1	Ca_kabuli_chr07	11177840	GG	AA	1940391918
SNP_P1_134134_11180368	NC_021166.1	Ca_kabuli_chr07	11180368	AA	TT	1940391920
SNP_P1_134135_11180392	NC_021166.1	Ca_kabuli_chr07	11180392	AA	GG	1940391922
SNP_P1_134136_11180585	NC_021166.1	Ca_kabuli_chr07	11180585	AA	TT	1940391924
SNP_P1_134137_11180678	NC_021166.1	Ca_kabuli_chr07	11180678	CC	TT	1940391925
SNP_P1_134138_11180684	NC_021166.1	Ca_kabuli_chr07	11180684	TT	GG	1940391927
SNP_P1_134139_11180715	NC_021166.1	Ca_kabuli_chr07	11180715	CC	AA	1940391929
SNP_P1_134142_11180955	NC_021166.1	Ca_kabuli_chr07	11180955	AA	TT	1940391931
SNP_P1_134143_11181110	NC_021166.1	Ca_kabuli_chr07	11181110	TT	CC	1940391933
SNP_P1_134144_11181470	NC_021166.1	Ca_kabuli_chr07	11181470	GG	CC	1940391934
SNP_P1_134145_11182431	NC_021166.1	Ca_kabuli_chr07	11182431	AA	CC	1940391936
SNP_P1_134146_11182641	NC_021166.1	Ca_kabuli_chr07	11182641	TT	AA	1940391938
SNP_P1_134147_11182697	NC_021166.1	Ca_kabuli_chr07	11182697	TT	GG	1940391940
SNP_P1_134148_11182802	NC_021166.1	Ca_kabuli_chr07	11182802	GG	AA	1940391941
SNP_P1_134149_11182817	NC_021166.1	Ca_kabuli_chr07	11182817	AA	TT	1940391943
SNP_P1_134150_11184302	NC_021166.1	Ca_kabuli_chr07	11184302	GG	AA	1940391945
SNP_P1_134151_11184308	NC_021166.1	Ca_kabuli_chr07	11184308	TT	CC	1940391947
SNP_P1_134152_11184568	NC_021166.1	Ca_kabuli_chr07	11184568	CC	TT	1940391949
SNP_P1_134153_11184889	NC_021166.1	Ca_kabuli_chr07	11184889	TT	CC	1940391950
SNP_P1_134154_11184898	NC_021166.1	Ca_kabuli_chr07	11184898	TT	CC	1940391952
SNP_P1_134155_11184914	NC_021166.1	Ca_kabuli_chr07	11184914	GG	AA	1940391954
SNP_P1_134156_11184949	NC_021166.1	Ca_kabuli_chr07	11184949	GG	AA	1940391956
SNP_P1_134157_11184964	NC_021166.1	Ca_kabuli_chr07	11184964	AA	TT	1940391957
SNP_P1_134158_11184975	NC_021166.1	Ca_kabuli_chr07	11184975	GG	AA	1940391959
SNP_P1_134159_11185108	NC_021166.1	Ca_kabuli_chr07	11185108	TT	CC	1940391961
SNP_P1_134161_11185322	NC_021166.1	Ca_kabuli_chr07	11185322	GG	AA	1940391963

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134163_11185534	NC_021166.1	Ca_kabuli_chr07	11185534	TT	CC	1940391966
SNP_P1_134164_11185537	NC_021166.1	Ca_kabuli_chr07	11185537	CC	TT	1940391968
SNP_P1_134165_11186482	NC_021166.1	Ca_kabuli_chr07	11186482	CC	TT	1940391970
SNP_P1_134166_11186610	NC_021166.1	Ca_kabuli_chr07	11186610	TT	CC	1940391972
SNP_P1_134167_11187992	NC_021166.1	Ca_kabuli_chr07	11187992	CC	TT	1940391973
SNP_P1_134168_11188004	NC_021166.1	Ca_kabuli_chr07	11188004	AA	GG	1940391975
SNP_P1_134169_11188066	NC_021166.1	Ca_kabuli_chr07	11188066	CC	GG	1940391977
SNP_P1_134170_11188082	NC_021166.1	Ca_kabuli_chr07	11188082	CC	TT	1940391979
SNP_P1_134171_11188130	NC_021166.1	Ca_kabuli_chr07	11188130	CC	TT	1940391981
SNP_P1_134172_11188135	NC_021166.1	Ca_kabuli_chr07	11188135	GG	CC	1940391982
SNP_P1_134173_11188160	NC_021166.1	Ca_kabuli_chr07	11188160	GG	TT	1940391984
SNP_P1_134174_11188275	NC_021166.1	Ca_kabuli_chr07	11188275	AA	GG	1940391986
SNP_P1_134176_11188850	NC_021166.1	Ca_kabuli_chr07	11188850	AA	GG	1940391988
SNP_P1_134177_11189005	NC_021166.1	Ca_kabuli_chr07	11189005	GG	TT	1940391989
SNP_P1_134179_11189125	NC_021166.1	Ca_kabuli_chr07	11189125	TT	CC	1940391991
SNP_P1_134180_11189148	NC_021166.1	Ca_kabuli_chr07	11189148	AA	CC	1940391993
SNP_P1_134181_11189160	NC_021166.1	Ca_kabuli_chr07	11189160	GG	AA	1940391995
SNP_P1_134182_11189161	NC_021166.1	Ca_kabuli_chr07	11189161	GG	CC	1940391996
SNP_P1_134183_11189196	NC_021166.1	Ca_kabuli_chr07	11189196	TT	CC	1940391998
SNP_P1_134184_11190622	NC_021166.1	Ca_kabuli_chr07	11190622	AA	TT	1940392000
SNP_P1_134185_11190796	NC_021166.1	Ca_kabuli_chr07	11190796	AA	GG	1940392002
SNP_P1_134187_11191119	NC_021166.1	Ca_kabuli_chr07	11191119	AA	TT	1940392004
SNP_P1_134188_11191388	NC_021166.1	Ca_kabuli_chr07	11191388	AA	TT	1940392005
SNP_P1_134190_11191553	NC_021166.1	Ca_kabuli_chr07	11191553	TT	CC	1940392007
SNP_P1_134191_11192463	NC_021166.1	Ca_kabuli_chr07	11192463	TT	CC	1940392009
SNP_P1_134192_11193199	NC_021166.1	Ca_kabuli_chr07	11193199	AA	TT	1940392011
SNP_P1_134193_11194142	NC_021166.1	Ca_kabuli_chr07	11194142	AA	CC	1940392012
SNP_P1_134194_11194146	NC_021166.1	Ca_kabuli_chr07	11194146	TT	AA	1940392014
SNP_P1_134195_11194350	NC_021166.1	Ca_kabuli_chr07	11194350	AA	TT	1940392016
SNP_P1_134196_11195245	NC_021166.1	Ca_kabuli_chr07	11195245	CC	TT	1940392018
SNP_P1_134197_11195253	NC_021166.1	Ca_kabuli_chr07	11195253	TT	GG	1940392020
SNP_P1_134198_11195284	NC_021166.1	Ca_kabuli_chr07	11195284	CC	AA	1940392021
SNP_P1_134199_11195311	NC_021166.1	Ca_kabuli_chr07	11195311	GG	AA	1940392023
SNP_P1_134200_11195603	NC_021166.1	Ca_kabuli_chr07	11195603	TT	AA	1940392025
SNP_P1_134201_11195903	NC_021166.1	Ca_kabuli_chr07	11195903	AA	GG	1940392027
SNP_P1_134202_11195920	NC_021166.1	Ca_kabuli_chr07	11195920	TT	CC	1940392028
SNP_P1_134203_11195959	NC_021166.1	Ca_kabuli_chr07	11195959	TT	GG	1940392030
SNP_P1_134204_11195973	NC_021166.1	Ca_kabuli_chr07	11195973	CC	TT	1940392032
SNP_P1_134205_11195982	NC_021166.1	Ca_kabuli_chr07	11195982	CC	TT	1940392034
SNP_P1_134206_11196015	NC_021166.1	Ca_kabuli_chr07	11196015	TT	AA	1940392036
SNP_P1_134207_11196245	NC_021166.1	Ca_kabuli_chr07	11196245	GG	AA	1940392037

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134209_11197331	NC_021166.1	Ca_kabuli_chr07	11197331	TT	CC	1940392041
SNP_P1_134210_11197559	NC_021166.1	Ca_kabuli_chr07	11197559	GG	TT	1940392043
SNP_P1_134211_11197562	NC_021166.1	Ca_kabuli_chr07	11197562	AA	GG	1940392044
SNP_P1_134212_11198194	NC_021166.1	Ca_kabuli_chr07	11198194	GG	AA	1940392046
SNP_P1_134213_11198388	NC_021166.1	Ca_kabuli_chr07	11198388	CC	AA	1940392048
SNP_P1_134214_11198424	NC_021166.1	Ca_kabuli_chr07	11198424	AA	TT	1940392050
SNP_P1_134215_11198549	NC_021166.1	Ca_kabuli_chr07	11198549	AA	CC	1940392052
SNP_P1_134216_11199128	NC_021166.1	Ca_kabuli_chr07	11199128	TT	CC	1940392053
SNP_P1_134217_11199372	NC_021166.1	Ca_kabuli_chr07	11199372	CC	TT	1940392055
SNP_P1_134218_11199518	NC_021166.1	Ca_kabuli_chr07	11199518	AA	GG	1940392057
SNP_P1_134219_11199598	NC_021166.1	Ca_kabuli_chr07	11199598	TT	AA	1940392059
SNP_P1_134220_11199667	NC_021166.1	Ca_kabuli_chr07	11199667	CC	TT	1940392060
SNP_P1_134221_11200020	NC_021166.1	Ca_kabuli_chr07	11200020	TT	CC	1940392062
SNP_P1_134222_11200049	NC_021166.1	Ca_kabuli_chr07	11200049	CC	TT	1940392064
SNP_P1_134223_11200051	NC_021166.1	Ca_kabuli_chr07	11200051	GG	AA	1940392066
SNP_P1_134224_11201261	NC_021166.1	Ca_kabuli_chr07	11201261	GG	AA	1940392068
SNP_P1_134225_11201296	NC_021166.1	Ca_kabuli_chr07	11201296	CC	TT	1940392069
SNP_P1_134226_11201297	NC_021166.1	Ca_kabuli_chr07	11201297	AA	GG	1940392071
SNP_P1_134227_11203432	NC_021166.1	Ca_kabuli_chr07	11203432	CC	TT	1940392073
SNP_P1_134228_11203435	NC_021166.1	Ca_kabuli_chr07	11203435	GG	AA	1940392075
SNP_P1_134229_11203785	NC_021166.1	Ca_kabuli_chr07	11203785	AA	GG	1940392076
SNP_P1_134230_11204058	NC_021166.1	Ca_kabuli_chr07	11204058	AA	GG	1940392078
SNP_P1_134231_11204083	NC_021166.1	Ca_kabuli_chr07	11204083	TT	CC	1940392080
SNP_P1_134233_11204128	NC_021166.1	Ca_kabuli_chr07	11204128	AA	GG	1940392082
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SNP_P1_134235_11204367	NC_021166.1	Ca_kabuli_chr07	11204367	AA	GG	1940392085
SNP_P1_134236_11204369	NC_021166.1	Ca_kabuli_chr07	11204369	AA	GG	1940392087
SNP_P1_134237_11204413	NC_021166.1	Ca_kabuli_chr07	11204413	GG	AA	1940392089
SNP_P1_134238_11204968	NC_021166.1	Ca_kabuli_chr07	11204968	TT	AA	1940392091
SNP_P1_134239_11204977	NC_021166.1	Ca_kabuli_chr07	11204977	GG	TT	1940392092
SNP_P1_134240_11205069	NC_021166.1	Ca_kabuli_chr07	11205069	AA	GG	1940392094
SNP_P1_134241_11205256	NC_021166.1	Ca_kabuli_chr07	11205256	GG	AA	1940392096
SNP_P1_134243_11205878	NC_021166.1	Ca_kabuli_chr07	11205878	AA	CC	1940392098
SNP_P1_134244_11206834	NC_021166.1	Ca_kabuli_chr07	11206834	TT	CC	1940392100
SNP_P1_134245_11207130	NC_021166.1	Ca_kabuli_chr07	11207130	GG	TT	1940392101
SNP_P1_134246_11207674	NC_021166.1	Ca_kabuli_chr07	11207674	AA	GG	1940392103
SNP_P1_134247_11207927	NC_021166.1	Ca_kabuli_chr07	11207927	GG	CC	1940392105
SNP_P1_134248_11207944	NC_021166.1	Ca_kabuli_chr07	11207944	CC	TT	1940392107
SNP_P1_134249_11207946	NC_021166.1	Ca_kabuli_chr07	11207946	CC	TT	1940392109
SNP_P1_134250_11207947	NC_021166.1	Ca_kabuli_chr07	11207947	TT	GG	1940392110
SNP_P1_134251_11207956	NC_021166.1	Ca_kabuli_chr07	11207956	CC	TT	1940392112

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134253_11207963	NC_021166.1	Ca_kabuli_chr07	11207963	AA	GG	1940392116
SNP_P1_134254_11207972	NC_021166.1	Ca_kabuli_chr07	11207972	AA	TT	1940392117
SNP_P1_134255_11207977	NC_021166.1	Ca_kabuli_chr07	11207977	CC	TT	1940392119
SNP_P1_134256_11208785	NC_021166.1	Ca_kabuli_chr07	11208785	AA	GG	1940392121
SNP_P1_134257_11209077	NC_021166.1	Ca_kabuli_chr07	11209077	TT	CC	1940392123
SNP_P1_134258_11209211	NC_021166.1	Ca_kabuli_chr07	11209211	AA	CC	1940392124
SNP_P1_134259_11209218	NC_021166.1	Ca_kabuli_chr07	11209218	AA	CC	1940392126
SNP_P1_134260_11209323	NC_021166.1	Ca_kabuli_chr07	11209323	GG	AA	1940392128
SNP_P1_134261_11209389	NC_021166.1	Ca_kabuli_chr07	11209389	GG	AA	1940392130
SNP_P1_134262_11209563	NC_021166.1	Ca_kabuli_chr07	11209563	TT	CC	1940392132
SNP_P1_134263_11209633	NC_021166.1	Ca_kabuli_chr07	11209633	TT	AA	1940392133
SNP_P1_134264_11209670	NC_021166.1	Ca_kabuli_chr07	11209670	GG	AA	1940392135
SNP_P1_134265_11209686	NC_021166.1	Ca_kabuli_chr07	11209686	GG	AA	1940392137
SNP_P1_134266_11209731	NC_021166.1	Ca_kabuli_chr07	11209731	AA	CC	1940392139
SNP_P1_134267_11209732	NC_021166.1	Ca_kabuli_chr07	11209732	GG	AA	1940392141
SNP_P1_134268_11209821	NC_021166.1	Ca_kabuli_chr07	11209821	GG	AA	1940392142
SNP_P1_134269_11209859	NC_021166.1	Ca_kabuli_chr07	11209859	TT	CC	1940392144
SNP_P1_134270_11209873	NC_021166.1	Ca_kabuli_chr07	11209873	TT	CC	1940392146
SNP_P1_134271_11209901	NC_021166.1	Ca_kabuli_chr07	11209901	TT	AA	1940392148
SNP_P1_134272_11209923	NC_021166.1	Ca_kabuli_chr07	11209923	CC	TT	1940392149
SNP_P1_134273_11212137	NC_021166.1	Ca_kabuli_chr07	11212137	AA	GG	1940392151
SNP_P1_134274_11212184	NC_021166.1	Ca_kabuli_chr07	11212184	TT	CC	1940392153
SNP_P1_134275_11212197	NC_021166.1	Ca_kabuli_chr07	11212197	AA	GG	1940392155
SNP_P1_134276_11212811	NC_021166.1	Ca_kabuli_chr07	11212811	GG	AA	1940392157
SNP_P1_134277_11212844	NC_021166.1	Ca_kabuli_chr07	11212844	GG	AA	1940392158
SNP_P1_134278_11212846	NC_021166.1	Ca_kabuli_chr07	11212846	TT	CC	1940392160
SNP_P1_134279_11213597	NC_021166.1	Ca_kabuli_chr07	11213597	GG	AA	1940392162
SNP_P1_134280_11213598	NC_021166.1	Ca_kabuli_chr07	11213598	TT	CC	1940392164
SNP_P1_134281_11213600	NC_021166.1	Ca_kabuli_chr07	11213600	CC	TT	1940392165
SNP_P1_134282_11215305	NC_021166.1	Ca_kabuli_chr07	11215305	TT	CC	1940392167
SNP_P1_134283_11215783	NC_021166.1	Ca_kabuli_chr07	11215783	GG	AA	1940392169
SNP_P1_134284_11216489	NC_021166.1	Ca_kabuli_chr07	11216489	CC	TT	1940392171
SNP_P1_134285_11216531	NC_021166.1	Ca_kabuli_chr07	11216531	GG	AA	1940392173
SNP_P1_134286_11218055	NC_021166.1	Ca_kabuli_chr07	11218055	AA	TT	1940392174
SNP_P1_134287_11218424	NC_021166.1	Ca_kabuli_chr07	11218424	AA	GG	1940392176
SNP_P1_134288_11218427	NC_021166.1	Ca_kabuli_chr07	11218427	AA	GG	1940392178
SNP_P1_134289_11218429	NC_021166.1	Ca_kabuli_chr07	11218429	AA	TT	1940392180
SNP_P1_134290_11218569	NC_021166.1	Ca_kabuli_chr07	11218569	GG	AA	1940392181
SNP_P1_134291_11218892	NC_021166.1	Ca_kabuli_chr07	11218892	TT	CC	1940392183
SNP_P1_134292_11218992	NC_021166.1	Ca_kabuli_chr07	11218992	AA	TT	1940392185
SNP_P1_134293_11219217	NC_021166.1	Ca_kabuli_chr07	11219217	AA	GG	1940392187

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134296_11220102	NC_021166.1	Ca_kabuli_chr07	11220102	AA	GG	1940392190
SNP_P1_134297_11220806	NC_021166.1	Ca_kabuli_chr07	11220806	AA	GG	1940392192
SNP_P1_134298_11221231	NC_021166.1	Ca_kabuli_chr07	11221231	AA	GG	1940392194
SNP_P1_134299_11221255	NC_021166.1	Ca_kabuli_chr07	11221255	AA	GG	1940392196
SNP_P1_134300_11221293	NC_021166.1	Ca_kabuli_chr07	11221293	CC	TT	1940392197
SNP_P1_134301_11221465	NC_021166.1	Ca_kabuli_chr07	11221465	AA	TT	1940392199
SNP_P1_134302_11221533	NC_021166.1	Ca_kabuli_chr07	11221533	TT	CC	1940392201
SNP_P1_134303_11221702	NC_021166.1	Ca_kabuli_chr07	11221702	GG	CC	1940392203
SNP_P1_134304_11221711	NC_021166.1	Ca_kabuli_chr07	11221711	AA	CC	1940392205
SNP_P1_134305_11221754	NC_021166.1	Ca_kabuli_chr07	11221754	AA	GG	1940392206
SNP_P1_134306_11221781	NC_021166.1	Ca_kabuli_chr07	11221781	GG	AA	1940392208
SNP_P1_134307_11222837	NC_021166.1	Ca_kabuli_chr07	11222837	AA	GG	1940392210
SNP_P1_134308_11223972	NC_021166.1	Ca_kabuli_chr07	11223972	TT	CC	1940392212
SNP_P1_134310_11226411	NC_021166.1	Ca_kabuli_chr07	11226411	AA	GG	1940392213
SNP_P1_134311_11226634	NC_021166.1	Ca_kabuli_chr07	11226634	CC	TT	1940392215
SNP_P1_134312_11227720	NC_021166.1	Ca_kabuli_chr07	11227720	AA	GG	1940392217
SNP_P1_134313_11228009	NC_021166.1	Ca_kabuli_chr07	11228009	GG	AA	1940392219
SNP_P1_134314_11228670	NC_021166.1	Ca_kabuli_chr07	11228670	TT	CC	1940392221
SNP_P1_134315_11228736	NC_021166.1	Ca_kabuli_chr07	11228736	AA	TT	1940392222
SNP_P1_134316_11228738	NC_021166.1	Ca_kabuli_chr07	11228738	CC	TT	1940392224
SNP_P1_134317_11228966	NC_021166.1	Ca_kabuli_chr07	11228966	TT	CC	1940392226
SNP_P1_134319_11229125	NC_021166.1	Ca_kabuli_chr07	11229125	AA	GG	1940392228
SNP_P1_134320_11229159	NC_021166.1	Ca_kabuli_chr07	11229159	AA	GG	1940392229
SNP_P1_134321_11229283	NC_021166.1	Ca_kabuli_chr07	11229283	AA	CC	1940392231
SNP_P1_134324_11230369	NC_021166.1	Ca_kabuli_chr07	11230369	CC	GG	1940392233
SNP_P1_134327_11230761	NC_021166.1	Ca_kabuli_chr07	11230761	CC	TT	1940392235
SNP_P1_134328_11231450	NC_021166.1	Ca_kabuli_chr07	11231450	AA	GG	1940392237
SNP_P1_134329_11231477	NC_021166.1	Ca_kabuli_chr07	11231477	CC	AA	1940392238
SNP_P1_134330_11231483	NC_021166.1	Ca_kabuli_chr07	11231483	AA	GG	1940392240
SNP_P1_134331_11231492	NC_021166.1	Ca_kabuli_chr07	11231492	AA	GG	1940392242
SNP_P1_134332_11231507	NC_021166.1	Ca_kabuli_chr07	11231507	AA	GG	1940392244
SNP_P1_134333_11231519	NC_021166.1	Ca_kabuli_chr07	11231519	TT	CC	1940392245
SNP_P1_134334_11231620	NC_021166.1	Ca_kabuli_chr07	11231620	GG	AA	1940392247
SNP_P1_134335_11231835	NC_021166.1	Ca_kabuli_chr07	11231835	AA	GG	1940392249
SNP_P1_134336_11231940	NC_021166.1	Ca_kabuli_chr07	11231940	AA	TT	1940392251
SNP_P1_134337_11232017	NC_021166.1	Ca_kabuli_chr07	11232017	TT	CC	1940392253
SNP_P1_134338_11232029	NC_021166.1	Ca_kabuli_chr07	11232029	GG	AA	1940392254
SNP_P1_134339_11232302	NC_021166.1	Ca_kabuli_chr07	11232302	AA	CC	1940392256
SNP_P1_134340_11232665	NC_021166.1	Ca_kabuli_chr07	11232665	CC	AA	1940392258
SNP_P1_134341_11232704	NC_021166.1	Ca_kabuli_chr07	11232704	GG	CC	1940392260
SNP_P1_134342_11232918	NC_021166.1	Ca_kabuli_chr07	11232918	GG	AA	1940392262

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134344_11232945	NC_021166.1	Ca_kabuli_chr07	11232945	TT	CC	1940392265
SNP_P1_134345_11232952	NC_021166.1	Ca_kabuli_chr07	11232952	GG	AA	1940392267
SNP_P1_134346_11233906	NC_021166.1	Ca_kabuli_chr07	11233906	GG	AA	1940392269
SNP_P1_134347_11233915	NC_021166.1	Ca_kabuli_chr07	11233915	CC	TT	1940392270
SNP_P1_134348_11233917	NC_021166.1	Ca_kabuli_chr07	11233917	AA	GG	1940392272
SNP_P1_134349_11234258	NC_021166.1	Ca_kabuli_chr07	11234258	TT	CC	1940392274
SNP_P1_134350_11234343	NC_021166.1	Ca_kabuli_chr07	11234343	TT	CC	1940392276
SNP_P1_134351_11234466	NC_021166.1	Ca_kabuli_chr07	11234466	CC	TT	1940392278
SNP_P1_134352_11234740	NC_021166.1	Ca_kabuli_chr07	11234740	TT	CC	1940392279
SNP_P1_134353_11234744	NC_021166.1	Ca_kabuli_chr07	11234744	CC	AA	1940392281
SNP_P1_134354_11234748	NC_021166.1	Ca_kabuli_chr07	11234748	CC	GG	1940392283
SNP_P1_134355_11234752	NC_021166.1	Ca_kabuli_chr07	11234752	GG	AA	1940392285
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SNP_P1_134357_11234808	NC_021166.1	Ca_kabuli_chr07	11234808	GG	AA	1940392288
SNP_P1_134358_11234811	NC_021166.1	Ca_kabuli_chr07	11234811	CC	TT	1940392290
SNP_P1_134359_11234812	NC_021166.1	Ca_kabuli_chr07	11234812	GG	AA	1940392292
SNP_P1_134360_11234825	NC_021166.1	Ca_kabuli_chr07	11234825	CC	TT	1940392293
SNP_P1_134361_11235470	NC_021166.1	Ca_kabuli_chr07	11235470	TT	AA	1940392295
SNP_P1_134363_11236159	NC_021166.1	Ca_kabuli_chr07	11236159	TT	CC	1940392297
SNP_P1_134364_11236165	NC_021166.1	Ca_kabuli_chr07	11236165	CC	GG	1940392299
SNP_P1_134365_11236232	NC_021166.1	Ca_kabuli_chr07	11236232	TT	CC	1940392301
SNP_P1_134366_11236250	NC_021166.1	Ca_kabuli_chr07	11236250	TT	AA	1940392302
SNP_P1_134367_11236256	NC_021166.1	Ca_kabuli_chr07	11236256	GG	TT	1940392304
SNP_P1_134368_11237113	NC_021166.1	Ca_kabuli_chr07	11237113	AA	TT	1940392306
SNP_P1_134369_11237447	NC_021166.1	Ca_kabuli_chr07	11237447	CC	TT	1940392308
SNP_P1_134370_11237517	NC_021166.1	Ca_kabuli_chr07	11237517	CC	GG	1940392310
SNP_P1_134371_11237809	NC_021166.1	Ca_kabuli_chr07	11237809	TT	AA	1940392311
SNP_P1_134372_11237894	NC_021166.1	Ca_kabuli_chr07	11237894	AA	GG	1940392313
SNP_P1_134373_11237899	NC_021166.1	Ca_kabuli_chr07	11237899	AA	GG	1940392315
SNP_P1_134374_11238669	NC_021166.1	Ca_kabuli_chr07	11238669	TT	AA	1940392317
SNP_P1_134375_11238682	NC_021166.1	Ca_kabuli_chr07	11238682	TT	CC	1940392318
SNP_P1_134376_11238714	NC_021166.1	Ca_kabuli_chr07	11238714	CC	TT	1940392320
SNP_P1_134377_11238719	NC_021166.1	Ca_kabuli_chr07	11238719	CC	GG	1940392322
SNP_P1_134379_11238746	NC_021166.1	Ca_kabuli_chr07	11238746	AA	GG	1940392324
SNP_P1_134380_11238763	NC_021166.1	Ca_kabuli_chr07	11238763	GG	AA	1940392326
SNP_P1_134381_11238976	NC_021166.1	Ca_kabuli_chr07	11238976	TT	CC	1940392327
SNP_P1_134382_11239920	NC_021166.1	Ca_kabuli_chr07	11239920	GG	AA	1940392329
SNP_P1_134383_11239931	NC_021166.1	Ca_kabuli_chr07	11239931	TT	CC	1940392331
SNP_P1_134384_11239955	NC_021166.1	Ca_kabuli_chr07	11239955	AA	GG	1940392333
SNP_P1_134385_11239961	NC_021166.1	Ca_kabuli_chr07	11239961	CC	TT	1940392334
SNP_P1_134386_11239969	NC_021166.1	Ca_kabuli_chr07	11239969	TT	CC	1940392336

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134388_11242295	NC_021166.1	Ca_kabuli_chr07	11242295	CC	TT	1940392340
SNP_P1_134389_11246041	NC_021166.1	Ca_kabuli_chr07	11246041	GG	TT	1940392342
SNP_P1_134390_11246166	NC_021166.1	Ca_kabuli_chr07	11246166	CC	GG	1940392343
SNP_P1_134391_11246214	NC_021166.1	Ca_kabuli_chr07	11246214	GG	AA	1940392345
SNP_P1_134393_11246427	NC_021166.1	Ca_kabuli_chr07	11246427	CC	TT	1940392347
SNP_P1_134395_11246596	NC_021166.1	Ca_kabuli_chr07	11246596	TT	GG	1940392349
SNP_P1_134396_11246637	NC_021166.1	Ca_kabuli_chr07	11246637	AA	TT	1940392350
SNP_P1_134397_11246742	NC_021166.1	Ca_kabuli_chr07	11246742	TT	CC	1940392352
SNP_P1_134398_11246743	NC_021166.1	Ca_kabuli_chr07	11246743	GG	AA	1940392354
SNP_P1_134400_11246991	NC_021166.1	Ca_kabuli_chr07	11246991	GG	AA	1940392356
SNP_P1_134401_11247018	NC_021166.1	Ca_kabuli_chr07	11247018	GG	TT	1940392358
SNP_P1_134402_11247031	NC_021166.1	Ca_kabuli_chr07	11247031	TT	CC	1940392359
SNP_P1_134403_11247118	NC_021166.1	Ca_kabuli_chr07	11247118	GG	AA	1940392361
SNP_P1_134404_11247259	NC_021166.1	Ca_kabuli_chr07	11247259	GG	AA	1940392363
SNP_P1_134405_11247284	NC_021166.1	Ca_kabuli_chr07	11247284	GG	AA	1940392365
SNP_P1_134406_11247359	NC_021166.1	Ca_kabuli_chr07	11247359	GG	TT	1940392366
SNP_P1_134407_11247385	NC_021166.1	Ca_kabuli_chr07	11247385	TT	GG	1940392368
SNP_P1_134408_11247743	NC_021166.1	Ca_kabuli_chr07	11247743	CC	TT	1940392370
SNP_P1_134409_11247761	NC_021166.1	Ca_kabuli_chr07	11247761	TT	CC	1940392372
SNP_P1_134410_11248386	NC_021166.1	Ca_kabuli_chr07	11248386	AA	CC	1940392374
SNP_P1_134411_11248387	NC_021166.1	Ca_kabuli_chr07	11248387	TT	AA	1940392375
SNP_P1_134412_11248555	NC_021166.1	Ca_kabuli_chr07	11248555	AA	GG	1940392377
SNP_P1_134413_11248583	NC_021166.1	Ca_kabuli_chr07	11248583	CC	TT	1940392379
SNP_P1_134414_11248599	NC_021166.1	Ca_kabuli_chr07	11248599	CC	GG	1940392381
SNP_P1_134415_11248602	NC_021166.1	Ca_kabuli_chr07	11248602	CC	GG	1940392383
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SNP_P1_134419_11248703	NC_021166.1	Ca_kabuli_chr07	11248703	GG	AA	1940392390
SNP_P1_134420_11248833	NC_021166.1	Ca_kabuli_chr07	11248833	AA	GG	1940392391
SNP_P1_134421_11251359	NC_021166.1	Ca_kabuli_chr07	11251359	AA	TT	1940392393
SNP_P1_134422_11251652	NC_021166.1	Ca_kabuli_chr07	11251652	TT	GG	1940392395
SNP_P1_134423_11251881	NC_021166.1	Ca_kabuli_chr07	11251881	CC	GG	1940392397
SNP_P1_134424_11251982	NC_021166.1	Ca_kabuli_chr07	11251982	CC	AA	1940392399
SNP_P1_134425_11252226	NC_021166.1	Ca_kabuli_chr07	11252226	AA	GG	1940392400
SNP_P1_134426_11252262	NC_021166.1	Ca_kabuli_chr07	11252262	TT	CC	1940392402
SNP_P1_134427_11253662	NC_021166.1	Ca_kabuli_chr07	11253662	GG	AA	1940392404
SNP_P1_134428_11254253	NC_021166.1	Ca_kabuli_chr07	11254253	GG	AA	1940392406
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SNP_P1_134431_11257726	NC_021166.1	Ca_kabuli_chr07	11257726	AA	GG	1940392409
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134435_11260013	NC_021166.1	Ca_kabuli_chr07	11260013	AA	GG	1940392416
SNP_P1_134436_11260041	NC_021166.1	Ca_kabuli_chr07	11260041	GG	AA	1940392418
SNP_P1_134437_11260066	NC_021166.1	Ca_kabuli_chr07	11260066	GG	TT	1940392420
SNP_P1_134438_11260251	NC_021166.1	Ca_kabuli_chr07	11260251	GG	AA	1940392422
SNP_P1_134439_11260259	NC_021166.1	Ca_kabuli_chr07	11260259	TT	CC	1940392424
SNP_P1_134440_11260305	NC_021166.1	Ca_kabuli_chr07	11260305	TT	CC	1940392425
SNP_P1_134441_11260321	NC_021166.1	Ca_kabuli_chr07	11260321	AA	TT	1940392427
SNP_P1_134442_11260409	NC_021166.1	Ca_kabuli_chr07	11260409	CC	TT	1940392429
SNP_P1_134443_11260456	NC_021166.1	Ca_kabuli_chr07	11260456	CC	TT	1940392431
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SNP_P1_134445_11262466	NC_021166.1	Ca_kabuli_chr07	11262466	AA	GG	1940392434
SNP_P1_134446_11263945	NC_021166.1	Ca_kabuli_chr07	11263945	CC	TT	1940392436
SNP_P1_134447_11264444	NC_021166.1	Ca_kabuli_chr07	11264444	TT	CC	1940392438
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SNP_P1_134454_11268277	NC_021166.1	Ca_kabuli_chr07	11268277	AA	TT	1940392450
SNP_P1_134456_11268585	NC_021166.1	Ca_kabuli_chr07	11268585	AA	GG	1940392452
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SNP_P1_134460_11272718	NC_021166.1	Ca_kabuli_chr07	11272718	TT	GG	1940392457
SNP_P1_134462_11272860	NC_021166.1	Ca_kabuli_chr07	11272860	GG	TT	1940392459
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SNP_P1_134464_11274008	NC_021166.1	Ca_kabuli_chr07	11274008	GG	AA	1940392463
SNP_P1_134465_11274024	NC_021166.1	Ca_kabuli_chr07	11274024	GG	AA	1940392464
SNP_P1_134466_11274025	NC_021166.1	Ca_kabuli_chr07	11274025	GG	AA	1940392466
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SNP_P1_134469_11274162	NC_021166.1	Ca_kabuli_chr07	11274162	TT	CC	1940392472
SNP_P1_134470_11274179	NC_021166.1	Ca_kabuli_chr07	11274179	CC	GG	1940392473
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SNP_P1_134472_11274238	NC_021166.1	Ca_kabuli_chr07	11274238	GG	CC	1940392477
SNP_P1_134473_11274266	NC_021166.1	Ca_kabuli_chr07	11274266	AA	GG	1940392479
SNP_P1_134474_11274328	NC_021166.1	Ca_kabuli_chr07	11274328	TT	CC	1940392480
SNP_P1_134475_11274335	NC_021166.1	Ca_kabuli_chr07	11274335	TT	CC	1940392482
SNP_P1_134476_11274388	NC_021166.1	Ca_kabuli_chr07	11274388	CC	TT	1940392484
SNP_P1_134477_11274480	NC_021166.1	Ca_kabuli_chr07	11274480	TT	AA	1940392486

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134480_11274601	NC_021166.1	Ca_kabuli_chr07	11274601	TT	CC	1940392491
SNP_P1_134481_11274628	NC_021166.1	Ca_kabuli_chr07	11274628	TT	CC	1940392493
SNP_P1_134482_11274706	NC_021166.1	Ca_kabuli_chr07	11274706	AA	GG	1940392495
SNP_P1_134483_11274713	NC_021166.1	Ca_kabuli_chr07	11274713	AA	GG	1940392496
SNP_P1_134484_11274807	NC_021166.1	Ca_kabuli_chr07	11274807	GG	AA	1940392498
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SNP_P1_134486_11275440	NC_021166.1	Ca_kabuli_chr07	11275440	TT	AA	1940392502
SNP_P1_134487_11275500	NC_021166.1	Ca_kabuli_chr07	11275500	GG	AA	1940392504
SNP_P1_134488_11275558	NC_021166.1	Ca_kabuli_chr07	11275558	TT	AA	1940392505
SNP_P1_134489_11275625	NC_021166.1	Ca_kabuli_chr07	11275625	GG	AA	1940392507
SNP_P1_134490_11275629	NC_021166.1	Ca_kabuli_chr07	11275629	GG	AA	1940392509
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SNP_P1_134499_11283145	NC_021166.1	Ca_kabuli_chr07	11283145	CC	TT	1940392525
SNP_P1_134500_11283235	NC_021166.1	Ca_kabuli_chr07	11283235	GG	AA	1940392527
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SNP_P1_134506_11284216	NC_021166.1	Ca_kabuli_chr07	11284216	TT	CC	1940392536
SNP_P1_134507_11284335	NC_021166.1	Ca_kabuli_chr07	11284335	GG	AA	1940392537
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SNP_P1_134511_11289263	NC_021166.1	Ca_kabuli_chr07	11289263	AA	GG	1940392541
SNP_P1_134512_11289672	NC_021166.1	Ca_kabuli_chr07	11289672	GG	AA	1940392543
SNP_P1_134513_11289703	NC_021166.1	Ca_kabuli_chr07	11289703	TT	CC	1940392545
SNP_P1_134514_11289722	NC_021166.1	Ca_kabuli_chr07	11289722	CC	AA	1940392546
SNP_P1_134515_11289725	NC_021166.1	Ca_kabuli_chr07	11289725	CC	AA	1940392548
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SNP_P1_134518_11289986	NC_021166.1	Ca_kabuli_chr07	11289986	AA	GG	1940392553
SNP_P1_134519_11289993	NC_021166.1	Ca_kabuli_chr07	11289993	GG	TT	1940392555
SNP_P1_134520_11290007	NC_021166.1	Ca_kabuli_chr07	11290007	TT	CC	1940392557
SNP_P1_134522_11290499	NC_021166.1	Ca_kabuli_chr07	11290499	TT	GG	1940392559
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134526_11291539	NC_021166.1	Ca_kabuli_chr07	11291539	TT	GG	1940392566
SNP_P1_134527_11291542	NC_021166.1	Ca_kabuli_chr07	11291542	AA	GG	1940392568
SNP_P1_134528_11292289	NC_021166.1	Ca_kabuli_chr07	11292289	AA	CC	1940392569
SNP_P1_134530_11293286	NC_021166.1	Ca_kabuli_chr07	11293286	TT	GG	1940392571
SNP_P1_134531_11293305	NC_021166.1	Ca_kabuli_chr07	11293305	CC	AA	1940392573
SNP_P1_134532_11293331	NC_021166.1	Ca_kabuli_chr07	11293331	CC	TT	1940392575
SNP_P1_134533_11293374	NC_021166.1	Ca_kabuli_chr07	11293374	GG	AA	1940392577
SNP_P1_134534_11293458	NC_021166.1	Ca_kabuli_chr07	11293458	TT	AA	1940392578
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SNP_P1_134536_11294015	NC_021166.1	Ca_kabuli_chr07	11294015	TT	CC	1940392582
SNP_P1_134537_11294026	NC_021166.1	Ca_kabuli_chr07	11294026	AA	GG	1940392584
SNP_P1_134538_11294031	NC_021166.1	Ca_kabuli_chr07	11294031	GG	AA	1940392585
SNP_P1_134539_11295014	NC_021166.1	Ca_kabuli_chr07	11295014	AA	TT	1940392587
SNP_P1_134540_11295015	NC_021166.1	Ca_kabuli_chr07	11295015	AA	TT	1940392589
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SNP_P1_134545_11299128	NC_021166.1	Ca_kabuli_chr07	11299128	AA	GG	1940392598
SNP_P1_134546_11299180	NC_021166.1	Ca_kabuli_chr07	11299180	TT	CC	1940392600
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SNP_P1_134551_11300348	NC_021166.1	Ca_kabuli_chr07	11300348	GG	AA	1940392605
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SNP_P1_134570_11304858	NC_021166.1	Ca_kabuli_chr07	11304858	AA	CC	1940392632
SNP_P1_134571_11304882	NC_021166.1	Ca_kabuli_chr07	11304882	AA	GG	1940392633
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134576_11305027	NC_021166.1	Ca_kabuli_chr07	11305027	AA	TT	1940392642
SNP_P1_134577_11305554	NC_021166.1	Ca_kabuli_chr07	11305554	GG	TT	1940392644
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SNP_P1_134579_11306422	NC_021166.1	Ca_kabuli_chr07	11306422	TT	CC	1940392648
SNP_P1_134580_11306597	NC_021166.1	Ca_kabuli_chr07	11306597	GG	AA	1940392650
SNP_P1_134581_11306680	NC_021166.1	Ca_kabuli_chr07	11306680	CC	TT	1940392651
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SNP_P1_134590_11307714	NC_021166.1	Ca_kabuli_chr07	11307714	AA	GG	1940392666
SNP_P1_134591_11308054	NC_021166.1	Ca_kabuli_chr07	11308054	GG	AA	1940392667
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SNP_P1_134598_11308639	NC_021166.1	Ca_kabuli_chr07	11308639	AA	GG	1940392680
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SNP_P1_134600_11308649	NC_021166.1	Ca_kabuli_chr07	11308649	AA	GG	1940392683
SNP_P1_134601_11308700	NC_021166.1	Ca_kabuli_chr07	11308700	AA	TT	1940392685
SNP_P1_134602_11308869	NC_021166.1	Ca_kabuli_chr07	11308869	AA	GG	1940392687
SNP_P1_134603_11308887	NC_021166.1	Ca_kabuli_chr07	11308887	AA	TT	1940392689
SNP_P1_134604_11309105	NC_021166.1	Ca_kabuli_chr07	11309105	TT	AA	1940392690
SNP_P1_134605_11309382	NC_021166.1	Ca_kabuli_chr07	11309382	AA	CC	1940392692
SNP_P1_134606_11309383	NC_021166.1	Ca_kabuli_chr07	11309383	TT	AA	1940392694
SNP_P1_134608_11309776	NC_021166.1	Ca_kabuli_chr07	11309776	GG	AA	1940392696
SNP_P1_134609_11310078	NC_021166.1	Ca_kabuli_chr07	11310078	CC	GG	1940392698
SNP_P1_134610_11310099	NC_021166.1	Ca_kabuli_chr07	11310099	GG	AA	1940392699
SNP_P1_134611_11310296	NC_021166.1	Ca_kabuli_chr07	11310296	AA	TT	1940392701
SNP_P1_134612_11310989	NC_021166.1	Ca_kabuli_chr07	11310989	TT	CC	1940392703
SNP_P1_134613_11311143	NC_021166.1	Ca_kabuli_chr07	11311143	GG	AA	1940392705
SNP_P1_134614_11311289	NC_021166.1	Ca_kabuli_chr07	11311289	AA	GG	1940392706
SNP_P1_134615_11311320	NC_021166.1	Ca_kabuli_chr07	11311320	GG	AA	1940392708
SNP_P1_134616_11313493	NC_021166.1	Ca_kabuli_chr07	11313493	AA	GG	1940392710

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134619_11313569	NC_021166.1	Ca_kabuli_chr07	11313569	TT	AA	1940392714
SNP_P1_134620_11313574	NC_021166.1	Ca_kabuli_chr07	11313574	GG	AA	1940392715
SNP_P1_134621_11313847	NC_021166.1	Ca_kabuli_chr07	11313847	TT	CC	1940392717
SNP_P1_134622_11313856	NC_021166.1	Ca_kabuli_chr07	11313856	AA	GG	1940392719
SNP_P1_134623_11314063	NC_021166.1	Ca_kabuli_chr07	11314063	CC	TT	1940392721
SNP_P1_134624_11315059	NC_021166.1	Ca_kabuli_chr07	11315059	GG	AA	1940392723
SNP_P1_134625_11315123	NC_021166.1	Ca_kabuli_chr07	11315123	GG	TT	1940392724
SNP_P1_134626_11315139	NC_021166.1	Ca_kabuli_chr07	11315139	CC	GG	1940392726
SNP_P1_134627_11315307	NC_021166.1	Ca_kabuli_chr07	11315307	CC	TT	1940392728
SNP_P1_134628_11315409	NC_021166.1	Ca_kabuli_chr07	11315409	AA	GG	1940392730
SNP_P1_134629_11317943	NC_021166.1	Ca_kabuli_chr07	11317943	AA	GG	1940392731
SNP_P1_134630_11318431	NC_021166.1	Ca_kabuli_chr07	11318431	AA	TT	1940392733
SNP_P1_134631_11318553	NC_021166.1	Ca_kabuli_chr07	11318553	CC	GG	1940392735
SNP_P1_134633_11318620	NC_021166.1	Ca_kabuli_chr07	11318620	CC	GG	1940392737
SNP_P1_134634_11321402	NC_021166.1	Ca_kabuli_chr07	11321402	GG	AA	1940392739
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SNP_P1_134638_11321977	NC_021166.1	Ca_kabuli_chr07	11321977	CC	TT	1940392746
SNP_P1_134639_11321986	NC_021166.1	Ca_kabuli_chr07	11321986	AA	GG	1940392747
SNP_P1_134640_11322184	NC_021166.1	Ca_kabuli_chr07	11322184	TT	CC	1940392749
SNP_P1_134641_11322310	NC_021166.1	Ca_kabuli_chr07	11322310	AA	GG	1940392751
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SNP_P1_134650_11325331	NC_021166.1	Ca_kabuli_chr07	11325331	TT	AA	1940392765
SNP_P1_134652_11326020	NC_021166.1	Ca_kabuli_chr07	11326020	AA	TT	1940392767
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SNP_P1_134654_11326638	NC_021166.1	Ca_kabuli_chr07	11326638	AA	CC	1940392771
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SNP_P1_134656_11327472	NC_021166.1	Ca_kabuli_chr07	11327472	TT	AA	1940392774
SNP_P1_134657_11328085	NC_021166.1	Ca_kabuli_chr07	11328085	CC	AA	1940392776
SNP_P1_134658_11328543	NC_021166.1	Ca_kabuli_chr07	11328543	TT	CC	1940392778
SNP_P1_134659_11328789	NC_021166.1	Ca_kabuli_chr07	11328789	TT	CC	1940392780
SNP_P1_134660_11328812	NC_021166.1	Ca_kabuli_chr07	11328812	AA	GG	1940392781
SNP_P1_134661_11328874	NC_021166.1	Ca_kabuli_chr07	11328874	CC	TT	1940392783
SNP_P1_134662_11329965	NC_021166.1	Ca_kabuli_chr07	11329965	AA	CC	1940392785

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134665_11330709	NC_021166.1	Ca_kabuli_chr07	11330709	GG	TT	1940392790
SNP_P1_134666_11331197	NC_021166.1	Ca_kabuli_chr07	11331197	AA	GG	1940392792
SNP_P1_134667_11331726	NC_021166.1	Ca_kabuli_chr07	11331726	CC	GG	1940392794
SNP_P1_134668_11332236	NC_021166.1	Ca_kabuli_chr07	11332236	AA	GG	1940392795
SNP_P1_134669_11332242	NC_021166.1	Ca_kabuli_chr07	11332242	GG	AA	1940392797
SNP_P1_134670_11332253	NC_021166.1	Ca_kabuli_chr07	11332253	CC	TT	1940392799
SNP_P1_134671_11332286	NC_021166.1	Ca_kabuli_chr07	11332286	GG	CC	1940392801
SNP_P1_134672_11332404	NC_021166.1	Ca_kabuli_chr07	11332404	AA	GG	1940392803
SNP_P1_134673_11332453	NC_021166.1	Ca_kabuli_chr07	11332453	CC	TT	1940392804
SNP_P1_134674_11332785	NC_021166.1	Ca_kabuli_chr07	11332785	AA	GG	1940392806
SNP_P1_134675_11332990	NC_021166.1	Ca_kabuli_chr07	11332990	TT	AA	1940392808
SNP_P1_134676_11333060	NC_021166.1	Ca_kabuli_chr07	11333060	GG	AA	1940392810
SNP_P1_134677_11333340	NC_021166.1	Ca_kabuli_chr07	11333340	AA	GG	1940392811
SNP_P1_134678_11333692	NC_021166.1	Ca_kabuli_chr07	11333692	CC	AA	1940392813
SNP_P1_134679_11333694	NC_021166.1	Ca_kabuli_chr07	11333694	CC	AA	1940392815
SNP_P1_134680_11333702	NC_021166.1	Ca_kabuli_chr07	11333702	GG	TT	1940392817
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SNP_P1_134684_11334362	NC_021166.1	Ca_kabuli_chr07	11334362	GG	CC	1940392824
SNP_P1_134685_11334374	NC_021166.1	Ca_kabuli_chr07	11334374	AA	CC	1940392826
SNP_P1_134686_11334389	NC_021166.1	Ca_kabuli_chr07	11334389	TT	CC	1940392827
SNP_P1_134687_11334428	NC_021166.1	Ca_kabuli_chr07	11334428	TT	CC	1940392829
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SNP_P1_134690_11335121	NC_021166.1	Ca_kabuli_chr07	11335121	AA	CC	1940392835
SNP_P1_134691_11336024	NC_021166.1	Ca_kabuli_chr07	11336024	CC	AA	1940392836
SNP_P1_134692_11337522	NC_021166.1	Ca_kabuli_chr07	11337522	TT	AA	1940392838
SNP_P1_134693_11338392	NC_021166.1	Ca_kabuli_chr07	11338392	AA	GG	1940392840
SNP_P1_134694_11338664	NC_021166.1	Ca_kabuli_chr07	11338664	GG	AA	1940392842
SNP_P1_134695_11338951	NC_021166.1	Ca_kabuli_chr07	11338951	TT	GG	1940392843
SNP_P1_134696_11339142	NC_021166.1	Ca_kabuli_chr07	11339142	TT	CC	1940392845
SNP_P1_134697_11339146	NC_021166.1	Ca_kabuli_chr07	11339146	TT	GG	1940392847
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SNP_P1_134701_11340078	NC_021166.1	Ca_kabuli_chr07	11340078	AA	GG	1940392850
SNP_P1_134702_11340142	NC_021166.1	Ca_kabuli_chr07	11340142	AA	GG	1940392852
SNP_P1_134703_11340229	NC_021166.1	Ca_kabuli_chr07	11340229	CC	GG	1940392854
SNP_P1_134704_11340773	NC_021166.1	Ca_kabuli_chr07	11340773	AA	TT	1940392856
SNP_P1_134705_11340775	NC_021166.1	Ca_kabuli_chr07	11340775	CC	AA	1940392858
SNP_P1_134706_11341820	NC_021166.1	Ca_kabuli_chr07	11341820	CC	GG	1940392859

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134709_11342512	NC_021166.1	Ca_kabuli_chr07	11342512	TT	CC	1940392863
SNP_P1_134710_11342513	NC_021166.1	Ca_kabuli_chr07	11342513	AA	TT	1940392865
SNP_P1_134711_11343486	NC_021166.1	Ca_kabuli_chr07	11343486	GG	AA	1940392866
SNP_P1_134712_11343567	NC_021166.1	Ca_kabuli_chr07	11343567	AA	CC	1940392868
SNP_P1_134714_11343723	NC_021166.1	Ca_kabuli_chr07	11343723	TT	AA	1940392870
SNP_P1_134715_11343818	NC_021166.1	Ca_kabuli_chr07	11343818	TT	AA	1940392872
SNP_P1_134716_11343855	NC_021166.1	Ca_kabuli_chr07	11343855	TT	CC	1940392874
SNP_P1_134717_11344040	NC_021166.1	Ca_kabuli_chr07	11344040	CC	TT	1940392875
SNP_P1_134718_11344065	NC_021166.1	Ca_kabuli_chr07	11344065	CC	TT	1940392877
SNP_P1_134719_11344108	NC_021166.1	Ca_kabuli_chr07	11344108	AA	GG	1940392879
SNP_P1_134720_11344462	NC_021166.1	Ca_kabuli_chr07	11344462	GG	CC	1940392881
SNP_P1_134721_11344467	NC_021166.1	Ca_kabuli_chr07	11344467	AA	CC	1940392883
SNP_P1_134722_11344484	NC_021166.1	Ca_kabuli_chr07	11344484	CC	TT	1940392884
SNP_P1_134724_11346018	NC_021166.1	Ca_kabuli_chr07	11346018	AA	GG	1940392886
SNP_P1_134726_11347811	NC_021166.1	Ca_kabuli_chr07	11347811	CC	TT	1940392888
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SNP_P1_134741_11350137	NC_021166.1	Ca_kabuli_chr07	11350137	AA	GG	1940392913
SNP_P1_134742_11350162	NC_021166.1	Ca_kabuli_chr07	11350162	CC	GG	1940392915
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SNP_P1_134752_11357889	NC_021166.1	Ca_kabuli_chr07	11357889	TT	CC	1940392931
SNP_P1_134753_11358025	NC_021166.1	Ca_kabuli_chr07	11358025	TT	CC	1940392932
SNP_P1_134754_11358033	NC_021166.1	Ca_kabuli_chr07	11358033	CC	TT	1940392934

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134758_11358699	NC_021166.1	Ca_kabuli_chr07	11358699	CC	AA	1940392941
SNP_P1_134759_11358708	NC_021166.1	Ca_kabuli_chr07	11358708	CC	TT	1940392943
SNP_P1_134760_11359534	NC_021166.1	Ca_kabuli_chr07	11359534	CC	GG	1940392945
SNP_P1_134761_11360559	NC_021166.1	Ca_kabuli_chr07	11360559	GG	AA	1940392947
SNP_P1_134762_11369509	NC_021166.1	Ca_kabuli_chr07	11369509	CC	GG	1940392948
SNP_P1_134763_11369711	NC_021166.1	Ca_kabuli_chr07	11369711	GG	CC	1940392950
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SNP_P1_134766_11369950	NC_021166.1	Ca_kabuli_chr07	11369950	AA	GG	1940392956
SNP_P1_134767_11370095	NC_021166.1	Ca_kabuli_chr07	11370095	TT	GG	1940392957
SNP_P1_134769_11371232	NC_021166.1	Ca_kabuli_chr07	11371232	CC	TT	1940392959
SNP_P1_134770_11372364	NC_021166.1	Ca_kabuli_chr07	11372364	GG	CC	1940392961
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SNP_P1_134776_11373968	NC_021166.1	Ca_kabuli_chr07	11373968	AA	GG	1940392972
SNP_P1_134777_11373978	NC_021166.1	Ca_kabuli_chr07	11373978	GG	TT	1940392973
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SNP_P1_134783_11374524	NC_021166.1	Ca_kabuli_chr07	11374524	GG	AA	1940392984
SNP_P1_134784_11374857	NC_021166.1	Ca_kabuli_chr07	11374857	AA	TT	1940392986
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SNP_P1_134789_11375773	NC_021166.1	Ca_kabuli_chr07	11375773	GG	AA	1940392993
SNP_P1_134790_11376868	NC_021166.1	Ca_kabuli_chr07	11376868	GG	CC	1940392995
SNP_P1_134791_11377124	NC_021166.1	Ca_kabuli_chr07	11377124	CC	TT	1940392996
SNP_P1_134792_11377321	NC_021166.1	Ca_kabuli_chr07	11377321	GG	AA	1940392998
SNP_P1_134793_11377353	NC_021166.1	Ca_kabuli_chr07	11377353	AA	GG	1940393000
SNP_P1_134794_11377395	NC_021166.1	Ca_kabuli_chr07	11377395	CC	TT	1940393002
SNP_P1_134795_11377410	NC_021166.1	Ca_kabuli_chr07	11377410	AA	TT	1940393004
SNP_P1_134796_11377662	NC_021166.1	Ca_kabuli_chr07	11377662	TT	GG	1940393005
SNP_P1_134797_11378390	NC_021166.1	Ca_kabuli_chr07	11378390	GG	CC	1940393007
SNP_P1_134798_11379283	NC_021166.1	Ca_kabuli_chr07	11379283	AA	CC	1940393009

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134800_11379782	NC_021166.1	Ca_kabuli_chr07	11379782	TT	GG	1940393013
SNP_P1_134802_11380591	NC_021166.1	Ca_kabuli_chr07	11380591	CC	TT	1940393014
SNP_P1_134803_11380805	NC_021166.1	Ca_kabuli_chr07	11380805	TT	AA	1940393016
SNP_P1_134804_11380806	NC_021166.1	Ca_kabuli_chr07	11380806	AA	TT	1940393018
SNP_P1_134805_11380807	NC_021166.1	Ca_kabuli_chr07	11380807	AA	TT	1940393020
SNP_P1_134806_11380808	NC_021166.1	Ca_kabuli_chr07	11380808	AA	TT	1940393021
SNP_P1_134807_11380816	NC_021166.1	Ca_kabuli_chr07	11380816	TT	CC	1940393023
SNP_P1_134808_11382227	NC_021166.1	Ca_kabuli_chr07	11382227	GG	AA	1940393025
SNP_P1_134809_11382236	NC_021166.1	Ca_kabuli_chr07	11382236	AA	GG	1940393027
SNP_P1_134810_11382275	NC_021166.1	Ca_kabuli_chr07	11382275	CC	TT	1940393029
SNP_P1_134811_11382278	NC_021166.1	Ca_kabuli_chr07	11382278	AA	CC	1940393030
SNP_P1_134812_11382302	NC_021166.1	Ca_kabuli_chr07	11382302	AA	GG	1940393032
SNP_P1_134813_11382353	NC_021166.1	Ca_kabuli_chr07	11382353	TT	CC	1940393034
SNP_P1_134814_11382366	NC_021166.1	Ca_kabuli_chr07	11382366	CC	TT	1940393036
SNP_P1_134815_11383044	NC_021166.1	Ca_kabuli_chr07	11383044	AA	TT	1940393037
SNP_P1_134816_11385280	NC_021166.1	Ca_kabuli_chr07	11385280	GG	AA	1940393039
SNP_P1_134817_11385346	NC_021166.1	Ca_kabuli_chr07	11385346	CC	AA	1940393041
SNP_P1_134818_11385665	NC_021166.1	Ca_kabuli_chr07	11385665	CC	TT	1940393043
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SNP_P1_134820_11385808	NC_021166.1	Ca_kabuli_chr07	11385808	GG	AA	1940393046
SNP_P1_134821_11385969	NC_021166.1	Ca_kabuli_chr07	11385969	TT	CC	1940393048
SNP_P1_134822_11385975	NC_021166.1	Ca_kabuli_chr07	11385975	CC	TT	1940393050
SNP_P1_134823_11385994	NC_021166.1	Ca_kabuli_chr07	11385994	AA	CC	1940393052
SNP_P1_134824_11386029	NC_021166.1	Ca_kabuli_chr07	11386029	AA	GG	1940393053
SNP_P1_134825_11386041	NC_021166.1	Ca_kabuli_chr07	11386041	TT	GG	1940393055
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SNP_P1_134828_11387863	NC_021166.1	Ca_kabuli_chr07	11387863	GG	AA	1940393061
SNP_P1_134829_11387982	NC_021166.1	Ca_kabuli_chr07	11387982	AA	GG	1940393062
SNP_P1_134831_11395324	NC_021166.1	Ca_kabuli_chr07	11395324	AA	GG	1940393064
SNP_P1_134832_11395961	NC_021166.1	Ca_kabuli_chr07	11395961	GG	AA	1940393066
SNP_P1_134833_11396187	NC_021166.1	Ca_kabuli_chr07	11396187	CC	TT	1940393068
SNP_P1_134834_11396214	NC_021166.1	Ca_kabuli_chr07	11396214	AA	GG	1940393069
SNP_P1_134835_11396215	NC_021166.1	Ca_kabuli_chr07	11396215	GG	AA	1940393071
SNP_P1_134836_11396217	NC_021166.1	Ca_kabuli_chr07	11396217	AA	TT	1940393073
SNP_P1_134837_11396221	NC_021166.1	Ca_kabuli_chr07	11396221	TT	CC	1940393075
SNP_P1_134838_11396244	NC_021166.1	Ca_kabuli_chr07	11396244	CC	TT	1940393077
SNP_P1_134839_11396533	NC_021166.1	Ca_kabuli_chr07	11396533	TT	GG	1940393078
SNP_P1_134840_11396542	NC_021166.1	Ca_kabuli_chr07	11396542	GG	AA	1940393080
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SNP_P1_134842_11396593	NC_021166.1	Ca_kabuli_chr07	11396593	AA	GG	1940393084

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134845_11396635	NC_021166.1	Ca_kabuli_chr07	11396635	AA	GG	1940393089
SNP_P1_134846_11396653	NC_021166.1	Ca_kabuli_chr07	11396653	CC	TT	1940393091
SNP_P1_134847_11396667	NC_021166.1	Ca_kabuli_chr07	11396667	CC	TT	1940393093
SNP_P1_134848_11396780	NC_021166.1	Ca_kabuli_chr07	11396780	GG	AA	1940393094
SNP_P1_134850_11397454	NC_021166.1	Ca_kabuli_chr07	11397454	GG	TT	1940393096
SNP_P1_134851_11397587	NC_021166.1	Ca_kabuli_chr07	11397587	GG	CC	1940393098
SNP_P1_134852_11397922	NC_021166.1	Ca_kabuli_chr07	11397922	GG	AA	1940393100
SNP_P1_134853_11398004	NC_021166.1	Ca_kabuli_chr07	11398004	AA	GG	1940393101
SNP_P1_134854_11398020	NC_021166.1	Ca_kabuli_chr07	11398020	TT	GG	1940393103
SNP_P1_134856_11400500	NC_021166.1	Ca_kabuli_chr07	11400500	TT	CC	1940393105
SNP_P1_134857_11400871	NC_021166.1	Ca_kabuli_chr07	11400871	GG	AA	1940393107
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SNP_P1_134859_11402211	NC_021166.1	Ca_kabuli_chr07	11402211	AA	GG	1940393110
SNP_P1_134860_11402565	NC_021166.1	Ca_kabuli_chr07	11402565	GG	AA	1940393112
SNP_P1_134861_11403285	NC_021166.1	Ca_kabuli_chr07	11403285	AA	TT	1940393114
SNP_P1_134862_11403732	NC_021166.1	Ca_kabuli_chr07	11403732	AA	GG	1940393116
SNP_P1_134863_11404110	NC_021166.1	Ca_kabuli_chr07	11404110	AA	GG	1940393118
SNP_P1_134864_11404405	NC_021166.1	Ca_kabuli_chr07	11404405	AA	CC	1940393119
SNP_P1_134865_11404505	NC_021166.1	Ca_kabuli_chr07	11404505	GG	TT	1940393121
SNP_P1_134866_11404732	NC_021166.1	Ca_kabuli_chr07	11404732	AA	GG	1940393123
SNP_P1_134867_11404805	NC_021166.1	Ca_kabuli_chr07	11404805	GG	AA	1940393125
SNP_P1_134868_11405124	NC_021166.1	Ca_kabuli_chr07	11405124	GG	AA	1940393126
SNP_P1_134870_11405407	NC_021166.1	Ca_kabuli_chr07	11405407	GG	AA	1940393128
SNP_P1_134871_11405920	NC_021166.1	Ca_kabuli_chr07	11405920	AA	CC	1940393130
SNP_P1_134872_11405947	NC_021166.1	Ca_kabuli_chr07	11405947	TT	CC	1940393132
SNP_P1_134873_11405960	NC_021166.1	Ca_kabuli_chr07	11405960	CC	TT	1940393134
SNP_P1_134874_11405977	NC_021166.1	Ca_kabuli_chr07	11405977	TT	AA	1940393135
SNP_P1_134875_11406091	NC_021166.1	Ca_kabuli_chr07	11406091	AA	GG	1940393137
SNP_P1_134876_11406156	NC_021166.1	Ca_kabuli_chr07	11406156	CC	TT	1940393139
SNP_P1_134877_11406257	NC_021166.1	Ca_kabuli_chr07	11406257	CC	TT	1940393141
SNP_P1_134878_11406274	NC_021166.1	Ca_kabuli_chr07	11406274	CC	AA	1940393142
SNP_P1_134879_11406480	NC_021166.1	Ca_kabuli_chr07	11406480	GG	TT	1940393144
SNP_P1_134880_11406502	NC_021166.1	Ca_kabuli_chr07	11406502	TT	GG	1940393146
SNP_P1_134881_11408035	NC_021166.1	Ca_kabuli_chr07	11408035	AA	GG	1940393148
SNP_P1_134882_11408050	NC_021166.1	Ca_kabuli_chr07	11408050	GG	CC	1940393150
SNP_P1_134883_11410528	NC_021166.1	Ca_kabuli_chr07	11410528	TT	CC	1940393151
SNP_P1_134884_11410586	NC_021166.1	Ca_kabuli_chr07	11410586	GG	AA	1940393153
SNP_P1_134886_11411269	NC_021166.1	Ca_kabuli_chr07	11411269	CC	TT	1940393155
SNP_P1_134887_11411270	NC_021166.1	Ca_kabuli_chr07	11411270	TT	AA	1940393157
SNP_P1_134888_11411287	NC_021166.1	Ca_kabuli_chr07	11411287	GG	AA	1940393159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134890_11413229	NC_021166.1	Ca_kabuli_chr07	11413229	CC	TT	1940393162
SNP_P1_134892_11413876	NC_021166.1	Ca_kabuli_chr07	11413876	CC	AA	1940393164
SNP_P1_134893_11414712	NC_021166.1	Ca_kabuli_chr07	11414712	CC	AA	1940393166
SNP_P1_134894_11415102	NC_021166.1	Ca_kabuli_chr07	11415102	AA	TT	1940393167
SNP_P1_134896_11415632	NC_021166.1	Ca_kabuli_chr07	11415632	TT	CC	1940393169
SNP_P1_134897_11417449	NC_021166.1	Ca_kabuli_chr07	11417449	TT	GG	1940393171
SNP_P1_134898_11420429	NC_021166.1	Ca_kabuli_chr07	11420429	TT	CC	1940393173
SNP_P1_134899_11421073	NC_021166.1	Ca_kabuli_chr07	11421073	TT	GG	1940393175
SNP_P1_134900_11421214	NC_021166.1	Ca_kabuli_chr07	11421214	GG	AA	1940393176
SNP_P1_134901_11421219	NC_021166.1	Ca_kabuli_chr07	11421219	GG	AA	1940393178
SNP_P1_134902_11421512	NC_021166.1	Ca_kabuli_chr07	11421512	AA	GG	1940393180
SNP_P1_134903_11421732	NC_021166.1	Ca_kabuli_chr07	11421732	CC	TT	1940393182
SNP_P1_134904_11421855	NC_021166.1	Ca_kabuli_chr07	11421855	TT	CC	1940393183
SNP_P1_134905_11422133	NC_021166.1	Ca_kabuli_chr07	11422133	CC	AA	1940393185
SNP_P1_134906_11422673	NC_021166.1	Ca_kabuli_chr07	11422673	AA	GG	1940393187
SNP_P1_134907_11422828	NC_021166.1	Ca_kabuli_chr07	11422828	AA	GG	1940393189
SNP_P1_134908_11422978	NC_021166.1	Ca_kabuli_chr07	11422978	AA	GG	1940393191
SNP_P1_134909_11423145	NC_021166.1	Ca_kabuli_chr07	11423145	AA	TT	1940393192
SNP_P1_134910_11423280	NC_021166.1	Ca_kabuli_chr07	11423280	CC	TT	1940393194
SNP_P1_134911_11423464	NC_021166.1	Ca_kabuli_chr07	11423464	AA	GG	1940393196
SNP_P1_134912_11423477	NC_021166.1	Ca_kabuli_chr07	11423477	AA	GG	1940393198
SNP_P1_134913_11423533	NC_021166.1	Ca_kabuli_chr07	11423533	AA	TT	1940393200
SNP_P1_134914_11424287	NC_021166.1	Ca_kabuli_chr07	11424287	TT	CC	1940393201
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SNP_P1_134917_11425433	NC_021166.1	Ca_kabuli_chr07	11425433	AA	TT	1940393207
SNP_P1_134918_11425446	NC_021166.1	Ca_kabuli_chr07	11425446	TT	CC	1940393208
SNP_P1_134919_11425449	NC_021166.1	Ca_kabuli_chr07	11425449	AA	CC	1940393210
SNP_P1_134920_11426594	NC_021166.1	Ca_kabuli_chr07	11426594	TT	AA	1940393212
SNP_P1_134921_11426604	NC_021166.1	Ca_kabuli_chr07	11426604	CC	GG	1940393214
SNP_P1_134922_11427242	NC_021166.1	Ca_kabuli_chr07	11427242	GG	AA	1940393216
SNP_P1_134923_11427803	NC_021166.1	Ca_kabuli_chr07	11427803	CC	TT	1940393217
SNP_P1_134924_11427820	NC_021166.1	Ca_kabuli_chr07	11427820	CC	GG	1940393219
SNP_P1_134926_11428934	NC_021166.1	Ca_kabuli_chr07	11428934	CC	GG	1940393221
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SNP_P1_134930_11432339	NC_021166.1	Ca_kabuli_chr07	11432339	TT	CC	1940393226
SNP_P1_134931_11433207	NC_021166.1	Ca_kabuli_chr07	11433207	TT	AA	1940393228
SNP_P1_134932_11433226	NC_021166.1	Ca_kabuli_chr07	11433226	AA	GG	1940393230
SNP_P1_134933_11433253	NC_021166.1	Ca_kabuli_chr07	11433253	AA	GG	1940393232
SNP_P1_134934_11433394	NC_021166.1	Ca_kabuli_chr07	11433394	GG	CC	1940393233

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134936_11433444	NC_021166.1	Ca_kabuli_chr07	11433444	AA	GG	1940393237
SNP_P1_134937_11433454	NC_021166.1	Ca_kabuli_chr07	11433454	TT	AA	1940393239
SNP_P1_134938_11433455	NC_021166.1	Ca_kabuli_chr07	11433455	AA	TT	1940393241
SNP_P1_134939_11433513	NC_021166.1	Ca_kabuli_chr07	11433513	TT	CC	1940393242
SNP_P1_134940_11433681	NC_021166.1	Ca_kabuli_chr07	11433681	AA	GG	1940393244
SNP_P1_134941_11433684	NC_021166.1	Ca_kabuli_chr07	11433684	GG	TT	1940393246
SNP_P1_134942_11433711	NC_021166.1	Ca_kabuli_chr07	11433711	TT	AA	1940393248
SNP_P1_134943_11433775	NC_021166.1	Ca_kabuli_chr07	11433775	GG	AA	1940393249
SNP_P1_134945_11434290	NC_021166.1	Ca_kabuli_chr07	11434290	TT	CC	1940393251
SNP_P1_134946_11434291	NC_021166.1	Ca_kabuli_chr07	11434291	CC	TT	1940393253
SNP_P1_134947_11434292	NC_021166.1	Ca_kabuli_chr07	11434292	TT	CC	1940393255
SNP_P1_134948_11434309	NC_021166.1	Ca_kabuli_chr07	11434309	TT	CC	1940393257
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SNP_P1_134950_11434331	NC_021166.1	Ca_kabuli_chr07	11434331	TT	CC	1940393260
SNP_P1_134951_11434356	NC_021166.1	Ca_kabuli_chr07	11434356	CC	TT	1940393262
SNP_P1_134952_11434630	NC_021166.1	Ca_kabuli_chr07	11434630	TT	CC	1940393264
SNP_P1_134953_11435692	NC_021166.1	Ca_kabuli_chr07	11435692	CC	TT	1940393265
SNP_P1_134954_11435989	NC_021166.1	Ca_kabuli_chr07	11435989	GG	TT	1940393267
SNP_P1_134955_11436797	NC_021166.1	Ca_kabuli_chr07	11436797	GG	AA	1940393269
SNP_P1_134956_11436801	NC_021166.1	Ca_kabuli_chr07	11436801	AA	TT	1940393271
SNP_P1_134957_11437672	NC_021166.1	Ca_kabuli_chr07	11437672	GG	CC	1940393273
SNP_P1_134958_11438018	NC_021166.1	Ca_kabuli_chr07	11438018	TT	GG	1940393274
SNP_P1_134959_11438042	NC_021166.1	Ca_kabuli_chr07	11438042	AA	GG	1940393276
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SNP_P1_134963_11439372	NC_021166.1	Ca_kabuli_chr07	11439372	TT	CC	1940393281
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SNP_P1_134965_11439452	NC_021166.1	Ca_kabuli_chr07	11439452	TT	AA	1940393285
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SNP_P1_134967_11439732	NC_021166.1	Ca_kabuli_chr07	11439732	GG	AA	1940393289
SNP_P1_134968_11439733	NC_021166.1	Ca_kabuli_chr07	11439733	CC	TT	1940393290
SNP_P1_134969_11440164	NC_021166.1	Ca_kabuli_chr07	11440164	AA	GG	1940393292
SNP_P1_134970_11441034	NC_021166.1	Ca_kabuli_chr07	11441034	TT	AA	1940393294
SNP_P1_134971_11441236	NC_021166.1	Ca_kabuli_chr07	11441236	TT	AA	1940393296
SNP_P1_134973_11443115	NC_021166.1	Ca_kabuli_chr07	11443115	GG	TT	1940393298
SNP_P1_134974_11443234	NC_021166.1	Ca_kabuli_chr07	11443234	CC	GG	1940393299
SNP_P1_134978_11446249	NC_021166.1	Ca_kabuli_chr07	11446249	CC	TT	1940393301
SNP_P1_134979_11446255	NC_021166.1	Ca_kabuli_chr07	11446255	AA	GG	1940393303
SNP_P1_134980_11447362	NC_021166.1	Ca_kabuli_chr07	11447362	GG	AA	1940393305
SNP_P1_134981_11447391	NC_021166.1	Ca_kabuli_chr07	11447391	AA	GG	1940393306
SNP_P1_134982_11449429	NC_021166.1	Ca_kabuli_chr07	11449429	CC	AA	1940393308

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_134984_11453954	NC_021166.1	Ca_kabuli_chr07	11453954	AA	GG	1940393312
SNP_P1_134985_11453962	NC_021166.1	Ca_kabuli_chr07	11453962	AA	TT	1940393314
SNP_P1_134986_11453973	NC_021166.1	Ca_kabuli_chr07	11453973	TT	CC	1940393315
SNP_P1_134987_11454086	NC_021166.1	Ca_kabuli_chr07	11454086	TT	GG	1940393317
SNP_P1_134988_11454090	NC_021166.1	Ca_kabuli_chr07	11454090	TT	CC	1940393319
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SNP_P1_134993_11454154	NC_021166.1	Ca_kabuli_chr07	11454154	TT	GG	1940393328
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SNP_P1_134997_11454213	NC_021166.1	Ca_kabuli_chr07	11454213	AA	GG	1940393335
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SNP_P1_135003_11456381	NC_021166.1	Ca_kabuli_chr07	11456381	CC	TT	1940393344
SNP_P1_135004_11456745	NC_021166.1	Ca_kabuli_chr07	11456745	AA	GG	1940393346
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SNP_P1_135007_11457356	NC_021166.1	Ca_kabuli_chr07	11457356	TT	GG	1940393349
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SNP_P1_135016_11458735	NC_021166.1	Ca_kabuli_chr07	11458735	AA	GG	1940393363
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SNP_P1_135020_11459448	NC_021166.1	Ca_kabuli_chr07	11459448	TT	CC	1940393371
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SNP_P1_135025_11460897	NC_021166.1	Ca_kabuli_chr07	11460897	GG	TT	1940393376
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SNP_P1_135027_11460924	NC_021166.1	Ca_kabuli_chr07	11460924	GG	AA	1940393379
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135034_11469400	NC_021166.1	Ca_kabuli_chr07	11469400	AA	GG	1940393388
SNP_P1_135035_11469415	NC_021166.1	Ca_kabuli_chr07	11469415	GG	AA	1940393390
SNP_P1_135036_11469433	NC_021166.1	Ca_kabuli_chr07	11469433	TT	CC	1940393392
SNP_P1_135037_11469454	NC_021166.1	Ca_kabuli_chr07	11469454	TT	CC	1940393394
SNP_P1_135038_11469455	NC_021166.1	Ca_kabuli_chr07	11469455	GG	CC	1940393396
SNP_P1_135039_11469499	NC_021166.1	Ca_kabuli_chr07	11469499	CC	AA	1940393397
SNP_P1_135040_11469511	NC_021166.1	Ca_kabuli_chr07	11469511	GG	AA	1940393399
SNP_P1_135041_11469525	NC_021166.1	Ca_kabuli_chr07	11469525	CC	GG	1940393401
SNP_P1_135042_11469554	NC_021166.1	Ca_kabuli_chr07	11469554	AA	GG	1940393403
SNP_P1_135043_11469796	NC_021166.1	Ca_kabuli_chr07	11469796	CC	TT	1940393404
SNP_P1_135044_11470896	NC_021166.1	Ca_kabuli_chr07	11470896	TT	CC	1940393406
SNP_P1_135045_11470900	NC_021166.1	Ca_kabuli_chr07	11470900	AA	GG	1940393408
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SNP_P1_135064_11478790	NC_021166.1	Ca_kabuli_chr07	11478790	CC	TT	1940393436
SNP_P1_135065_11479211	NC_021166.1	Ca_kabuli_chr07	11479211	TT	CC	1940393438
SNP_P1_135066_11479219	NC_021166.1	Ca_kabuli_chr07	11479219	AA	GG	1940393440
SNP_P1_135067_11479429	NC_021166.1	Ca_kabuli_chr07	11479429	AA	TT	1940393442
SNP_P1_135068_11479556	NC_021166.1	Ca_kabuli_chr07	11479556	CC	TT	1940393444
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SNP_P1_135071_11480776	NC_021166.1	Ca_kabuli_chr07	11480776	AA	TT	1940393449
SNP_P1_135072_11481227	NC_021166.1	Ca_kabuli_chr07	11481227	GG	CC	1940393451
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SNP_P1_135075_11481978	NC_021166.1	Ca_kabuli_chr07	11481978	AA	TT	1940393456
SNP_P1_135077_11482129	NC_021166.1	Ca_kabuli_chr07	11482129	AA	GG	1940393458

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135080_11485529	NC_021166.1	Ca_kabuli_chr07	11485529	AA	CC	1940393463
SNP_P1_135081_11485562	NC_021166.1	Ca_kabuli_chr07	11485562	AA	GG	1940393465
SNP_P1_135082_11485567	NC_021166.1	Ca_kabuli_chr07	11485567	GG	AA	1940393467
SNP_P1_135083_11485605	NC_021166.1	Ca_kabuli_chr07	11485605	AA	GG	1940393469
SNP_P1_135084_11485619	NC_021166.1	Ca_kabuli_chr07	11485619	AA	GG	1940393470
SNP_P1_135085_11485678	NC_021166.1	Ca_kabuli_chr07	11485678	CC	TT	1940393472
SNP_P1_135086_11485764	NC_021166.1	Ca_kabuli_chr07	11485764	GG	AA	1940393474
SNP_P1_135087_11485837	NC_021166.1	Ca_kabuli_chr07	11485837	TT	CC	1940393476
SNP_P1_135088_11485858	NC_021166.1	Ca_kabuli_chr07	11485858	AA	GG	1940393477
SNP_P1_135089_11485969	NC_021166.1	Ca_kabuli_chr07	11485969	AA	GG	1940393479
SNP_P1_135090_11485970	NC_021166.1	Ca_kabuli_chr07	11485970	GG	AA	1940393481
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SNP_P1_135092_11486230	NC_021166.1	Ca_kabuli_chr07	11486230	GG	AA	1940393485
SNP_P1_135093_11486254	NC_021166.1	Ca_kabuli_chr07	11486254	AA	CC	1940393486
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SNP_P1_135100_11487990	NC_021166.1	Ca_kabuli_chr07	11487990	TT	CC	1940393495
SNP_P1_135101_11488002	NC_021166.1	Ca_kabuli_chr07	11488002	GG	TT	1940393497
SNP_P1_135103_11488295	NC_021166.1	Ca_kabuli_chr07	11488295	TT	AA	1940393499
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SNP_P1_135105_11488598	NC_021166.1	Ca_kabuli_chr07	11488598	CC	TT	1940393502
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SNP_P1_135107_11489584	NC_021166.1	Ca_kabuli_chr07	11489584	TT	GG	1940393506
SNP_P1_135108_11489874	NC_021166.1	Ca_kabuli_chr07	11489874	CC	GG	1940393508
SNP_P1_135109_11490220	NC_021166.1	Ca_kabuli_chr07	11490220	AA	CC	1940393510
SNP_P1_135110_11490259	NC_021166.1	Ca_kabuli_chr07	11490259	GG	AA	1940393511
SNP_P1_135111_11490306	NC_021166.1	Ca_kabuli_chr07	11490306	GG	AA	1940393513
SNP_P1_135112_11490318	NC_021166.1	Ca_kabuli_chr07	11490318	CC	TT	1940393515
SNP_P1_135113_11490490	NC_021166.1	Ca_kabuli_chr07	11490490	GG	CC	1940393517
SNP_P1_135114_11491090	NC_021166.1	Ca_kabuli_chr07	11491090	AA	CC	1940393518
SNP_P1_135116_11492113	NC_021166.1	Ca_kabuli_chr07	11492113	CC	AA	1940393520
SNP_P1_135117_11492303	NC_021166.1	Ca_kabuli_chr07	11492303	GG	AA	1940393522
SNP_P1_135118_11492326	NC_021166.1	Ca_kabuli_chr07	11492326	AA	GG	1940393524
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SNP_P1_135120_11492355	NC_021166.1	Ca_kabuli_chr07	11492355	CC	TT	1940393527
SNP_P1_135121_11492655	NC_021166.1	Ca_kabuli_chr07	11492655	GG	AA	1940393529
SNP_P1_135122_11492658	NC_021166.1	Ca_kabuli_chr07	11492658	GG	AA	1940393531
SNP_P1_135123_11492700	NC_021166.1	Ca_kabuli_chr07	11492700	CC	TT	1940393533

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135127_11493699	NC_021166.1	Ca_kabuli_chr07	11493699	AA	TT	1940393538
SNP_P1_135128_11494061	NC_021166.1	Ca_kabuli_chr07	11494061	TT	CC	1940393540
SNP_P1_135129_11494081	NC_021166.1	Ca_kabuli_chr07	11494081	CC	TT	1940393542
SNP_P1_135130_11494090	NC_021166.1	Ca_kabuli_chr07	11494090	GG	AA	1940393543
SNP_P1_135131_11494667	NC_021166.1	Ca_kabuli_chr07	11494667	AA	GG	1940393545
SNP_P1_135132_11494727	NC_021166.1	Ca_kabuli_chr07	11494727	GG	AA	1940393547
SNP_P1_135134_11494918	NC_021166.1	Ca_kabuli_chr07	11494918	TT	AA	1940393549
SNP_P1_135135_11494926	NC_021166.1	Ca_kabuli_chr07	11494926	CC	GG	1940393551
SNP_P1_135136_11495017	NC_021166.1	Ca_kabuli_chr07	11495017	GG	AA	1940393552
SNP_P1_135137_11495247	NC_021166.1	Ca_kabuli_chr07	11495247	TT	AA	1940393554
SNP_P1_135138_11495287	NC_021166.1	Ca_kabuli_chr07	11495287	GG	CC	1940393556
SNP_P1_135139_11496018	NC_021166.1	Ca_kabuli_chr07	11496018	TT	CC	1940393558
SNP_P1_135140_11496022	NC_021166.1	Ca_kabuli_chr07	11496022	TT	AA	1940393559
SNP_P1_135141_11506314	NC_021166.1	Ca_kabuli_chr07	11506314	AA	GG	1940393561
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SNP_P1_135145_11509205	NC_021166.1	Ca_kabuli_chr07	11509205	TT	AA	1940393565
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SNP_P1_135149_11510443	NC_021166.1	Ca_kabuli_chr07	11510443	AA	GG	1940393572
SNP_P1_135150_11510447	NC_021166.1	Ca_kabuli_chr07	11510447	CC	TT	1940393574
SNP_P1_135151_11510480	NC_021166.1	Ca_kabuli_chr07	11510480	CC	TT	1940393575
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SNP_P1_135155_11511910	NC_021166.1	Ca_kabuli_chr07	11511910	AA	GG	1940393579
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SNP_P1_135159_11512956	NC_021166.1	Ca_kabuli_chr07	11512956	AA	TT	1940393586
SNP_P1_135160_11512958	NC_021166.1	Ca_kabuli_chr07	11512958	AA	TT	1940393588
SNP_P1_135161_11516471	NC_021166.1	Ca_kabuli_chr07	11516471	GG	AA	1940393590
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SNP_P1_135166_11516928	NC_021166.1	Ca_kabuli_chr07	11516928	GG	AA	1940393599
SNP_P1_135167_11516931	NC_021166.1	Ca_kabuli_chr07	11516931	AA	TT	1940393600
SNP_P1_135169_11517718	NC_021166.1	Ca_kabuli_chr07	11517718	CC	TT	1940393602
SNP_P1_135171_11518630	NC_021166.1	Ca_kabuli_chr07	11518630	AA	CC	1940393604
SNP_P1_135173_11519530	NC_021166.1	Ca_kabuli_chr07	11519530	TT	AA	1940393606
SNP_P1_135174_11521962	NC_021166.1	Ca_kabuli_chr07	11521962	AA	GG	1940393607

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135178_11523432	NC_021166.1	Ca_kabuli_chr07	11523432	AA	GG	1940393613
SNP_P1_135179_11523837	NC_021166.1	Ca_kabuli_chr07	11523837	AA	TT	1940393615
SNP_P1_135180_11525196	NC_021166.1	Ca_kabuli_chr07	11525196	GG	AA	1940393616
SNP_P1_135181_11526865	NC_021166.1	Ca_kabuli_chr07	11526865	CC	AA	1940393618
SNP_P1_135182_11528690	NC_021166.1	Ca_kabuli_chr07	11528690	TT	CC	1940393620
SNP_P1_135183_11530383	NC_021166.1	Ca_kabuli_chr07	11530383	AA	GG	1940393622
SNP_P1_135184_11530651	NC_021166.1	Ca_kabuli_chr07	11530651	GG	TT	1940393624
SNP_P1_135185_11530690	NC_021166.1	Ca_kabuli_chr07	11530690	CC	AA	1940393625
SNP_P1_135186_11530823	NC_021166.1	Ca_kabuli_chr07	11530823	CC	AA	1940393627
SNP_P1_135187_11530827	NC_021166.1	Ca_kabuli_chr07	11530827	GG	AA	1940393629
SNP_P1_135188_11530881	NC_021166.1	Ca_kabuli_chr07	11530881	CC	TT	1940393631
SNP_P1_135189_11530940	NC_021166.1	Ca_kabuli_chr07	11530940	TT	AA	1940393632
SNP_P1_135191_11531042	NC_021166.1	Ca_kabuli_chr07	11531042	CC	AA	1940393634
SNP_P1_135192_11531055	NC_021166.1	Ca_kabuli_chr07	11531055	CC	TT	1940393636
SNP_P1_135193_11531545	NC_021166.1	Ca_kabuli_chr07	11531545	CC	TT	1940393638
SNP_P1_135194_11531612	NC_021166.1	Ca_kabuli_chr07	11531612	AA	TT	1940393640
SNP_P1_135195_11531681	NC_021166.1	Ca_kabuli_chr07	11531681	TT	AA	1940393641
SNP_P1_135196_11531682	NC_021166.1	Ca_kabuli_chr07	11531682	GG	AA	1940393643
SNP_P1_135197_11532286	NC_021166.1	Ca_kabuli_chr07	11532286	CC	TT	1940393645
SNP_P1_135198_11532470	NC_021166.1	Ca_kabuli_chr07	11532470	GG	CC	1940393647
SNP_P1_135199_11532477	NC_021166.1	Ca_kabuli_chr07	11532477	AA	GG	1940393648
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SNP_P1_135201_11532510	NC_021166.1	Ca_kabuli_chr07	11532510	TT	CC	1940393652
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SNP_P1_135205_11537733	NC_021166.1	Ca_kabuli_chr07	11537733	AA	GG	1940393659
SNP_P1_135206_11537740	NC_021166.1	Ca_kabuli_chr07	11537740	TT	CC	1940393661
SNP_P1_135207_11537764	NC_021166.1	Ca_kabuli_chr07	11537764	TT	CC	1940393663
SNP_P1_135208_11537828	NC_021166.1	Ca_kabuli_chr07	11537828	TT	AA	1940393664
SNP_P1_135209_11538051	NC_021166.1	Ca_kabuli_chr07	11538051	GG	AA	1940393666
SNP_P1_135210_11538082	NC_021166.1	Ca_kabuli_chr07	11538082	TT	GG	1940393668
SNP_P1_135211_11538169	NC_021166.1	Ca_kabuli_chr07	11538169	AA	GG	1940393670
SNP_P1_135212_11538196	NC_021166.1	Ca_kabuli_chr07	11538196	GG	AA	1940393672
SNP_P1_135213_11538795	NC_021166.1	Ca_kabuli_chr07	11538795	AA	TT	1940393673
SNP_P1_135214_11540417	NC_021166.1	Ca_kabuli_chr07	11540417	AA	TT	1940393675
SNP_P1_135216_11540707	NC_021166.1	Ca_kabuli_chr07	11540707	CC	TT	1940393677
SNP_P1_135217_11540999	NC_021166.1	Ca_kabuli_chr07	11540999	GG	AA	1940393679
SNP_P1_135218_11541028	NC_021166.1	Ca_kabuli_chr07	11541028	GG	AA	1940393680
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135222_11542008	NC_021166.1	Ca_kabuli_chr07	11542008	TT	CC	1940393688
SNP_P1_135223_11542010	NC_021166.1	Ca_kabuli_chr07	11542010	TT	CC	1940393689
SNP_P1_135224_11542037	NC_021166.1	Ca_kabuli_chr07	11542037	AA	GG	1940393691
SNP_P1_135225_11542058	NC_021166.1	Ca_kabuli_chr07	11542058	CC	TT	1940393693
SNP_P1_135226_11542254	NC_021166.1	Ca_kabuli_chr07	11542254	CC	TT	1940393695
SNP_P1_135227_11542281	NC_021166.1	Ca_kabuli_chr07	11542281	GG	CC	1940393697
SNP_P1_135229_11542695	NC_021166.1	Ca_kabuli_chr07	11542695	AA	GG	1940393698
SNP_P1_135230_11542716	NC_021166.1	Ca_kabuli_chr07	11542716	GG	TT	1940393700
SNP_P1_135232_11543264	NC_021166.1	Ca_kabuli_chr07	11543264	GG	AA	1940393702
SNP_P1_135233_11543676	NC_021166.1	Ca_kabuli_chr07	11543676	CC	TT	1940393704
SNP_P1_135234_11543685	NC_021166.1	Ca_kabuli_chr07	11543685	GG	AA	1940393705
SNP_P1_135237_11546907	NC_021166.1	Ca_kabuli_chr07	11546907	AA	CC	1940393707
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SNP_P1_135239_11547126	NC_021166.1	Ca_kabuli_chr07	11547126	AA	TT	1940393711
SNP_P1_135240_11547414	NC_021166.1	Ca_kabuli_chr07	11547414	AA	TT	1940393713
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SNP_P1_135246_11549133	NC_021166.1	Ca_kabuli_chr07	11549133	GG	AA	1940393721
SNP_P1_135247_11549164	NC_021166.1	Ca_kabuli_chr07	11549164	TT	AA	1940393723
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SNP_P1_135249_11549399	NC_021166.1	Ca_kabuli_chr07	11549399	CC	GG	1940393727
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SNP_P1_135256_11552276	NC_021166.1	Ca_kabuli_chr07	11552276	AA	GG	1940393736
SNP_P1_135257_11554562	NC_021166.1	Ca_kabuli_chr07	11554562	CC	TT	1940393737
SNP_P1_135258_11554564	NC_021166.1	Ca_kabuli_chr07	11554564	AA	GG	1940393739
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SNP_P1_135263_11555436	NC_021166.1	Ca_kabuli_chr07	11555436	TT	CC	1940393746
SNP_P1_135264_11557564	NC_021166.1	Ca_kabuli_chr07	11557564	TT	AA	1940393748
SNP_P1_135265_11557585	NC_021166.1	Ca_kabuli_chr07	11557585	TT	CC	1940393750
SNP_P1_135266_11557586	NC_021166.1	Ca_kabuli_chr07	11557586	GG	AA	1940393752
SNP_P1_135267_11557601	NC_021166.1	Ca_kabuli_chr07	11557601	CC	AA	1940393754
SNP_P1_135268_11557710	NC_021166.1	Ca_kabuli_chr07	11557710	AA	GG	1940393755
SNP_P1_135269_11560727	NC_021166.1	Ca_kabuli_chr07	11560727	GG	AA	1940393757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135272_11560986	NC_021166.1	Ca_kabuli_chr07	11560986	AA	TT	1940393762
SNP_P1_135273_11561012	NC_021166.1	Ca_kabuli_chr07	11561012	TT	CC	1940393764
SNP_P1_135274_11561024	NC_021166.1	Ca_kabuli_chr07	11561024	GG	CC	1940393766
SNP_P1_135275_11566104	NC_021166.1	Ca_kabuli_chr07	11566104	AA	GG	1940393768
SNP_P1_135276_11566105	NC_021166.1	Ca_kabuli_chr07	11566105	AA	CC	1940393770
SNP_P1_135277_11566414	NC_021166.1	Ca_kabuli_chr07	11566414	CC	TT	1940393771
SNP_P1_135278_11566420	NC_021166.1	Ca_kabuli_chr07	11566420	AA	GG	1940393773
SNP_P1_135279_11566425	NC_021166.1	Ca_kabuli_chr07	11566425	CC	TT	1940393775
SNP_P1_135280_11566475	NC_021166.1	Ca_kabuli_chr07	11566475	CC	TT	1940393777
SNP_P1_135281_11566479	NC_021166.1	Ca_kabuli_chr07	11566479	CC	TT	1940393778
SNP_P1_135282_11566784	NC_021166.1	Ca_kabuli_chr07	11566784	GG	AA	1940393780
SNP_P1_135283_11566819	NC_021166.1	Ca_kabuli_chr07	11566819	TT	CC	1940393782
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SNP_P1_135285_11569249	NC_021166.1	Ca_kabuli_chr07	11569249	AA	TT	1940393786
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SNP_P1_135291_11570139	NC_021166.1	Ca_kabuli_chr07	11570139	AA	GG	1940393796
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SNP_P1_135296_11571329	NC_021166.1	Ca_kabuli_chr07	11571329	CC	TT	1940393803
SNP_P1_135298_11571527	NC_021166.1	Ca_kabuli_chr07	11571527	GG	AA	1940393805
SNP_P1_135299_11571900	NC_021166.1	Ca_kabuli_chr07	11571900	AA	GG	1940393807
SNP_P1_135300_11571918	NC_021166.1	Ca_kabuli_chr07	11571918	GG	TT	1940393809
SNP_P1_135301_11571922	NC_021166.1	Ca_kabuli_chr07	11571922	GG	TT	1940393811
SNP_P1_135302_11571936	NC_021166.1	Ca_kabuli_chr07	11571936	GG	AA	1940393812
SNP_P1_135303_11571954	NC_021166.1	Ca_kabuli_chr07	11571954	GG	AA	1940393814
SNP_P1_135304_11571971	NC_021166.1	Ca_kabuli_chr07	11571971	CC	TT	1940393816
SNP_P1_135305_11572023	NC_021166.1	Ca_kabuli_chr07	11572023	TT	CC	1940393818
SNP_P1_135306_11572085	NC_021166.1	Ca_kabuli_chr07	11572085	CC	TT	1940393819
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SNP_P1_135310_11572348	NC_021166.1	Ca_kabuli_chr07	11572348	AA	GG	1940393825
SNP_P1_135311_11572387	NC_021166.1	Ca_kabuli_chr07	11572387	GG	TT	1940393827
SNP_P1_135313_11573943	NC_021166.1	Ca_kabuli_chr07	11573943	GG	AA	1940393828
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SNP_P1_135316_11574595	NC_021166.1	Ca_kabuli_chr07	11574595	TT	AA	1940393832

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135319_11576702	NC_021166.1	Ca_kabuli_chr07	11576702	CC	TT	1940393837
SNP_P1_135320_11576732	NC_021166.1	Ca_kabuli_chr07	11576732	CC	AA	1940393839
SNP_P1_135321_11576766	NC_021166.1	Ca_kabuli_chr07	11576766	AA	TT	1940393841
SNP_P1_135322_11576976	NC_021166.1	Ca_kabuli_chr07	11576976	AA	GG	1940393843
SNP_P1_135323_11577023	NC_021166.1	Ca_kabuli_chr07	11577023	TT	AA	1940393844
SNP_P1_135324_11577253	NC_021166.1	Ca_kabuli_chr07	11577253	AA	GG	1940393846
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SNP_P1_135328_11578604	NC_021166.1	Ca_kabuli_chr07	11578604	AA	GG	1940393850
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SNP_P1_135331_11580791	NC_021166.1	Ca_kabuli_chr07	11580791	AA	TT	1940393855
SNP_P1_135332_11580793	NC_021166.1	Ca_kabuli_chr07	11580793	GG	AA	1940393857
SNP_P1_135333_11580805	NC_021166.1	Ca_kabuli_chr07	11580805	TT	AA	1940393859
SNP_P1_135334_11580819	NC_021166.1	Ca_kabuli_chr07	11580819	TT	CC	1940393860
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SNP_P1_135336_11580842	NC_021166.1	Ca_kabuli_chr07	11580842	TT	CC	1940393864
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SNP_P1_135354_11585494	NC_021166.1	Ca_kabuli_chr07	11585494	CC	TT	1940393889
SNP_P1_135357_11589010	NC_021166.1	Ca_kabuli_chr07	11589010	CC	TT	1940393891
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SNP_P1_135363_11592952	NC_021166.1	Ca_kabuli_chr07	11592952	TT	GG	1940393898
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SNP_P1_135366_11593017	NC_021166.1	Ca_kabuli_chr07	11593017	GG	CC	1940393903
SNP_P1_135367_11593027	NC_021166.1	Ca_kabuli_chr07	11593027	CC	TT	1940393905
SNP_P1_135368_11593065	NC_021166.1	Ca_kabuli_chr07	11593065	AA	CC	1940393907

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135372_11593726	NC_021166.1	Ca_kabuli_chr07	11593726	AA	GG	1940393914
SNP_P1_135373_11593866	NC_021166.1	Ca_kabuli_chr07	11593866	AA	GG	1940393916
SNP_P1_135375_11594178	NC_021166.1	Ca_kabuli_chr07	11594178	GG	TT	1940393917
SNP_P1_135376_11594493	NC_021166.1	Ca_kabuli_chr07	11594493	AA	GG	1940393919
SNP_P1_135377_11594652	NC_021166.1	Ca_kabuli_chr07	11594652	CC	TT	1940393921
SNP_P1_135378_11595407	NC_021166.1	Ca_kabuli_chr07	11595407	CC	TT	1940393923
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SNP_P1_135380_11595457	NC_021166.1	Ca_kabuli_chr07	11595457	AA	GG	1940393926
SNP_P1_135381_11595477	NC_021166.1	Ca_kabuli_chr07	11595477	AA	GG	1940393928
SNP_P1_135382_11596132	NC_021166.1	Ca_kabuli_chr07	11596132	TT	CC	1940393930
SNP_P1_135383_11596383	NC_021166.1	Ca_kabuli_chr07	11596383	AA	GG	1940393932
SNP_P1_135384_11596392	NC_021166.1	Ca_kabuli_chr07	11596392	TT	AA	1940393933
SNP_P1_135385_11596394	NC_021166.1	Ca_kabuli_chr07	11596394	TT	CC	1940393935
SNP_P1_135386_11596417	NC_021166.1	Ca_kabuli_chr07	11596417	AA	TT	1940393937
SNP_P1_135387_11600344	NC_021166.1	Ca_kabuli_chr07	11600344	CC	TT	1940393939
SNP_P1_135388_11600345	NC_021166.1	Ca_kabuli_chr07	11600345	CC	TT	1940393941
SNP_P1_135389_11600417	NC_021166.1	Ca_kabuli_chr07	11600417	TT	CC	1940393942
SNP_P1_135391_11600727	NC_021166.1	Ca_kabuli_chr07	11600727	GG	TT	1940393944
SNP_P1_135393_11601024	NC_021166.1	Ca_kabuli_chr07	11601024	AA	TT	1940393946
SNP_P1_135394_11601032	NC_021166.1	Ca_kabuli_chr07	11601032	GG	AA	1940393948
SNP_P1_135395_11601048	NC_021166.1	Ca_kabuli_chr07	11601048	CC	TT	1940393949
SNP_P1_135396_11601075	NC_021166.1	Ca_kabuli_chr07	11601075	TT	CC	1940393951
SNP_P1_135397_11601089	NC_021166.1	Ca_kabuli_chr07	11601089	GG	AA	1940393953
SNP_P1_135398_11601229	NC_021166.1	Ca_kabuli_chr07	11601229	TT	CC	1940393955
SNP_P1_135399_11601251	NC_021166.1	Ca_kabuli_chr07	11601251	TT	AA	1940393957
SNP_P1_135400_11601269	NC_021166.1	Ca_kabuli_chr07	11601269	GG	CC	1940393958
SNP_P1_135401_11601302	NC_021166.1	Ca_kabuli_chr07	11601302	CC	AA	1940393960
SNP_P1_135402_11601342	NC_021166.1	Ca_kabuli_chr07	11601342	AA	GG	1940393962
SNP_P1_135403_11601463	NC_021166.1	Ca_kabuli_chr07	11601463	TT	CC	1940393964
SNP_P1_135404_11601503	NC_021166.1	Ca_kabuli_chr07	11601503	TT	CC	1940393965
SNP_P1_135405_11601504	NC_021166.1	Ca_kabuli_chr07	11601504	GG	AA	1940393967
SNP_P1_135406_11601513	NC_021166.1	Ca_kabuli_chr07	11601513	AA	GG	1940393969
SNP_P1_135407_11601532	NC_021166.1	Ca_kabuli_chr07	11601532	TT	CC	1940393971
SNP_P1_135408_11601577	NC_021166.1	Ca_kabuli_chr07	11601577	CC	TT	1940393973
SNP_P1_135409_11602189	NC_021166.1	Ca_kabuli_chr07	11602189	AA	GG	1940393974
SNP_P1_135410_11602224	NC_021166.1	Ca_kabuli_chr07	11602224	AA	GG	1940393976
SNP_P1_135411_11602361	NC_021166.1	Ca_kabuli_chr07	11602361	AA	GG	1940393978
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SNP_P1_135413_11602554	NC_021166.1	Ca_kabuli_chr07	11602554	TT	GG	1940393981

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135415_11602746	NC_021166.1	Ca_kabuli_chr07	11602746	TT	CC	1940393985
SNP_P1_135416_11602753	NC_021166.1	Ca_kabuli_chr07	11602753	CC	AA	1940393987
SNP_P1_135417_11602759	NC_021166.1	Ca_kabuli_chr07	11602759	AA	GG	1940393989
SNP_P1_135419_11604700	NC_021166.1	Ca_kabuli_chr07	11604700	TT	AA	1940393990
SNP_P1_135420_11605794	NC_021166.1	Ca_kabuli_chr07	11605794	CC	TT	1940393992
SNP_P1_135421_11605942	NC_021166.1	Ca_kabuli_chr07	11605942	TT	CC	1940393994
SNP_P1_135422_11606613	NC_021166.1	Ca_kabuli_chr07	11606613	GG	AA	1940393996
SNP_P1_135423_11607979	NC_021166.1	Ca_kabuli_chr07	11607979	GG	AA	1940393998
SNP_P1_135424_11607983	NC_021166.1	Ca_kabuli_chr07	11607983	CC	TT	1940393999
SNP_P1_135425_11608007	NC_021166.1	Ca_kabuli_chr07	11608007	AA	GG	1940394001
SNP_P1_135426_11608045	NC_021166.1	Ca_kabuli_chr07	11608045	GG	AA	1940394003
SNP_P1_135427_11608077	NC_021166.1	Ca_kabuli_chr07	11608077	GG	AA	1940394005
SNP_P1_135428_11608088	NC_021166.1	Ca_kabuli_chr07	11608088	AA	GG	1940394006
SNP_P1_135429_11608159	NC_021166.1	Ca_kabuli_chr07	11608159	AA	GG	1940394008
SNP_P1_135431_11608358	NC_021166.1	Ca_kabuli_chr07	11608358	AA	CC	1940394010
SNP_P1_135432_11608364	NC_021166.1	Ca_kabuli_chr07	11608364	GG	AA	1940394012
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SNP_P1_135434_11608601	NC_021166.1	Ca_kabuli_chr07	11608601	CC	TT	1940394015
SNP_P1_135435_11608698	NC_021166.1	Ca_kabuli_chr07	11608698	CC	TT	1940394017
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SNP_P1_135438_11613250	NC_021166.1	Ca_kabuli_chr07	11613250	TT	AA	1940394023
SNP_P1_135439_11613645	NC_021166.1	Ca_kabuli_chr07	11613645	TT	GG	1940394024
SNP_P1_135441_11613700	NC_021166.1	Ca_kabuli_chr07	11613700	CC	TT	1940394026
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SNP_P1_135445_11615665	NC_021166.1	Ca_kabuli_chr07	11615665	TT	CC	1940394033
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SNP_P1_135447_11615694	NC_021166.1	Ca_kabuli_chr07	11615694	GG	TT	1940394037
SNP_P1_135448_11615941	NC_021166.1	Ca_kabuli_chr07	11615941	GG	AA	1940394039
SNP_P1_135449_11615994	NC_021166.1	Ca_kabuli_chr07	11615994	TT	GG	1940394040
SNP_P1_135450_11616579	NC_021166.1	Ca_kabuli_chr07	11616579	CC	AA	1940394042
SNP_P1_135451_11616750	NC_021166.1	Ca_kabuli_chr07	11616750	AA	GG	1940394044
SNP_P1_135452_11616760	NC_021166.1	Ca_kabuli_chr07	11616760	GG	CC	1940394046
SNP_P1_135453_11616908	NC_021166.1	Ca_kabuli_chr07	11616908	CC	TT	1940394047
SNP_P1_135454_11617163	NC_021166.1	Ca_kabuli_chr07	11617163	CC	TT	1940394049
SNP_P1_135455_11617292	NC_021166.1	Ca_kabuli_chr07	11617292	AA	TT	1940394051
SNP_P1_135456_11617349	NC_021166.1	Ca_kabuli_chr07	11617349	AA	GG	1940394053
SNP_P1_135457_11617366	NC_021166.1	Ca_kabuli_chr07	11617366	CC	TT	1940394055
SNP_P1_135458_11617392	NC_021166.1	Ca_kabuli_chr07	11617392	TT	AA	1940394056

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135461_11617516	NC_021166.1	Ca_kabuli_chr07	11617516	CC	AA	1940394062
SNP_P1_135462_11617518	NC_021166.1	Ca_kabuli_chr07	11617518	TT	CC	1940394064
SNP_P1_135463_11617575	NC_021166.1	Ca_kabuli_chr07	11617575	CC	TT	1940394065
SNP_P1_135464_11617601	NC_021166.1	Ca_kabuli_chr07	11617601	AA	GG	1940394067
SNP_P1_135465_11617729	NC_021166.1	Ca_kabuli_chr07	11617729	GG	AA	1940394069
SNP_P1_135466_11617799	NC_021166.1	Ca_kabuli_chr07	11617799	GG	AA	1940394071
SNP_P1_135467_11618033	NC_021166.1	Ca_kabuli_chr07	11618033	CC	TT	1940394072
SNP_P1_135468_11618040	NC_021166.1	Ca_kabuli_chr07	11618040	AA	TT	1940394074
SNP_P1_135469_11618044	NC_021166.1	Ca_kabuli_chr07	11618044	CC	TT	1940394076
SNP_P1_135470_11618052	NC_021166.1	Ca_kabuli_chr07	11618052	GG	AA	1940394078
SNP_P1_135471_11618233	NC_021166.1	Ca_kabuli_chr07	11618233	AA	TT	1940394080
SNP_P1_135472_11618892	NC_021166.1	Ca_kabuli_chr07	11618892	CC	TT	1940394081
SNP_P1_135473_11618901	NC_021166.1	Ca_kabuli_chr07	11618901	TT	CC	1940394083
SNP_P1_135474_11618909	NC_021166.1	Ca_kabuli_chr07	11618909	CC	TT	1940394085
SNP_P1_135475_11618940	NC_021166.1	Ca_kabuli_chr07	11618940	CC	TT	1940394087
SNP_P1_135476_11618941	NC_021166.1	Ca_kabuli_chr07	11618941	AA	GG	1940394089
SNP_P1_135477_11619135	NC_021166.1	Ca_kabuli_chr07	11619135	CC	TT	1940394090
SNP_P1_135478_11621736	NC_021166.1	Ca_kabuli_chr07	11621736	TT	CC	1940394092
SNP_P1_135479_11621740	NC_021166.1	Ca_kabuli_chr07	11621740	AA	TT	1940394094
SNP_P1_135480_11621764	NC_021166.1	Ca_kabuli_chr07	11621764	TT	AA	1940394096
SNP_P1_135481_11623660	NC_021166.1	Ca_kabuli_chr07	11623660	AA	GG	1940394097
SNP_P1_135482_11623679	NC_021166.1	Ca_kabuli_chr07	11623679	TT	AA	1940394099
SNP_P1_135483_11623984	NC_021166.1	Ca_kabuli_chr07	11623984	TT	AA	1940394101
SNP_P1_135484_11624202	NC_021166.1	Ca_kabuli_chr07	11624202	AA	GG	1940394103
SNP_P1_135485_11624257	NC_021166.1	Ca_kabuli_chr07	11624257	GG	AA	1940394105
SNP_P1_135486_11624370	NC_021166.1	Ca_kabuli_chr07	11624370	TT	CC	1940394106
SNP_P1_135487_11624401	NC_021166.1	Ca_kabuli_chr07	11624401	AA	GG	1940394108
SNP_P1_135488_11624421	NC_021166.1	Ca_kabuli_chr07	11624421	AA	GG	1940394110
SNP_P1_135490_11624623	NC_021166.1	Ca_kabuli_chr07	11624623	AA	GG	1940394112
SNP_P1_135492_11625042	NC_021166.1	Ca_kabuli_chr07	11625042	AA	TT	1940394114
SNP_P1_135493_11625577	NC_021166.1	Ca_kabuli_chr07	11625577	AA	GG	1940394115
SNP_P1_135494_11625958	NC_021166.1	Ca_kabuli_chr07	11625958	TT	CC	1940394117
SNP_P1_135495_11625965	NC_021166.1	Ca_kabuli_chr07	11625965	TT	AA	1940394119
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SNP_P1_135497_11626109	NC_021166.1	Ca_kabuli_chr07	11626109	GG	AA	1940394122
SNP_P1_135498_11626789	NC_021166.1	Ca_kabuli_chr07	11626789	AA	CC	1940394124
SNP_P1_135499_11627021	NC_021166.1	Ca_kabuli_chr07	11627021	CC	TT	1940394126
SNP_P1_135500_11627449	NC_021166.1	Ca_kabuli_chr07	11627449	CC	TT	1940394128
SNP_P1_135501_11627713	NC_021166.1	Ca_kabuli_chr07	11627713	AA	TT	1940394130
SNP_P1_135502_11627719	NC_021166.1	Ca_kabuli_chr07	11627719	AA	GG	1940394131

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135504_11628569	NC_021166.1	Ca_kabuli_chr07	11628569	CC	AA	1940394135
SNP_P1_135505_11629128	NC_021166.1	Ca_kabuli_chr07	11629128	TT	CC	1940394137
SNP_P1_135506_11638279	NC_021166.1	Ca_kabuli_chr07	11638279	CC	TT	1940394138
SNP_P1_135508_11641061	NC_021166.1	Ca_kabuli_chr07	11641061	GG	TT	1940394140
SNP_P1_135509_11643126	NC_021166.1	Ca_kabuli_chr07	11643126	AA	GG	1940394142
SNP_P1_135510_11643132	NC_021166.1	Ca_kabuli_chr07	11643132	GG	TT	1940394144
SNP_P1_135511_11643147	NC_021166.1	Ca_kabuli_chr07	11643147	TT	CC	1940394146
SNP_P1_135513_11643222	NC_021166.1	Ca_kabuli_chr07	11643222	GG	TT	1940394147
SNP_P1_135514_11643224	NC_021166.1	Ca_kabuli_chr07	11643224	GG	TT	1940394149
SNP_P1_135515_11644044	NC_021166.1	Ca_kabuli_chr07	11644044	TT	GG	1940394151
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SNP_P1_135518_11644978	NC_021166.1	Ca_kabuli_chr07	11644978	AA	GG	1940394156
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SNP_P1_135520_11645199	NC_021166.1	Ca_kabuli_chr07	11645199	TT	GG	1940394160
SNP_P1_135521_11645200	NC_021166.1	Ca_kabuli_chr07	11645200	AA	TT	1940394162
SNP_P1_135522_11645285	NC_021166.1	Ca_kabuli_chr07	11645285	TT	GG	1940394163
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SNP_P1_135525_11647135	NC_021166.1	Ca_kabuli_chr07	11647135	AA	GG	1940394169
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SNP_P1_135528_11647559	NC_021166.1	Ca_kabuli_chr07	11647559	TT	CC	1940394172
SNP_P1_135529_11648203	NC_021166.1	Ca_kabuli_chr07	11648203	AA	GG	1940394174
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SNP_P1_135531_11651567	NC_021166.1	Ca_kabuli_chr07	11651567	TT	CC	1940394178
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SNP_P1_135534_11653159	NC_021166.1	Ca_kabuli_chr07	11653159	CC	TT	1940394183
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SNP_P1_135536_11654962	NC_021166.1	Ca_kabuli_chr07	11654962	GG	TT	1940394187
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SNP_P1_135540_11657882	NC_021166.1	Ca_kabuli_chr07	11657882	TT	CC	1940394194
SNP_P1_135541_11657884	NC_021166.1	Ca_kabuli_chr07	11657884	GG	AA	1940394195
SNP_P1_135542_11658003	NC_021166.1	Ca_kabuli_chr07	11658003	GG	AA	1940394197
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SNP_P1_135544_11658385	NC_021166.1	Ca_kabuli_chr07	11658385	CC	TT	1940394201
SNP_P1_135545_11658428	NC_021166.1	Ca_kabuli_chr07	11658428	GG	AA	1940394203
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SNP_P1_135547_11658583	NC_021166.1	Ca_kabuli_chr07	11658583	CC	TT	1940394206

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135550_11658846	NC_021166.1	Ca_kabuli_chr07	11658846	CC	AA	1940394212
SNP_P1_135551_11658890	NC_021166.1	Ca_kabuli_chr07	11658890	CC	AA	1940394213
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SNP_P1_135553_11660735	NC_021166.1	Ca_kabuli_chr07	11660735	TT	AA	1940394217
SNP_P1_135554_11660738	NC_021166.1	Ca_kabuli_chr07	11660738	TT	CC	1940394219
SNP_P1_135555_11660767	NC_021166.1	Ca_kabuli_chr07	11660767	AA	CC	1940394220
SNP_P1_135556_11660802	NC_021166.1	Ca_kabuli_chr07	11660802	TT	CC	1940394222
SNP_P1_135557_11661376	NC_021166.1	Ca_kabuli_chr07	11661376	TT	CC	1940394224
SNP_P1_135558_11662041	NC_021166.1	Ca_kabuli_chr07	11662041	TT	AA	1940394226
SNP_P1_135560_11665122	NC_021166.1	Ca_kabuli_chr07	11665122	TT	CC	1940394228
SNP_P1_135561_11665138	NC_021166.1	Ca_kabuli_chr07	11665138	CC	AA	1940394229
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SNP_P1_135565_11670753	NC_021166.1	Ca_kabuli_chr07	11670753	CC	GG	1940394235
SNP_P1_135566_11670950	NC_021166.1	Ca_kabuli_chr07	11670950	TT	AA	1940394237
SNP_P1_135567_11672440	NC_021166.1	Ca_kabuli_chr07	11672440	AA	TT	1940394238
SNP_P1_135568_11674026	NC_021166.1	Ca_kabuli_chr07	11674026	AA	TT	1940394240
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SNP_P1_135571_11675104	NC_021166.1	Ca_kabuli_chr07	11675104	TT	AA	1940394245
SNP_P1_135573_11675295	NC_021166.1	Ca_kabuli_chr07	11675295	GG	CC	1940394247
SNP_P1_135574_11676982	NC_021166.1	Ca_kabuli_chr07	11676982	AA	TT	1940394249
SNP_P1_135575_11677285	NC_021166.1	Ca_kabuli_chr07	11677285	AA	CC	1940394251
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SNP_P1_135577_11677420	NC_021166.1	Ca_kabuli_chr07	11677420	GG	AA	1940394254
SNP_P1_135578_11678377	NC_021166.1	Ca_kabuli_chr07	11678377	TT	CC	1940394256
SNP_P1_135580_11678688	NC_021166.1	Ca_kabuli_chr07	11678688	CC	TT	1940394258
SNP_P1_135581_11678956	NC_021166.1	Ca_kabuli_chr07	11678956	CC	TT	1940394260
SNP_P1_135583_11678998	NC_021166.1	Ca_kabuli_chr07	11678998	TT	AA	1940394261
SNP_P1_135584_11679029	NC_021166.1	Ca_kabuli_chr07	11679029	AA	CC	1940394263
SNP_P1_135585_11679083	NC_021166.1	Ca_kabuli_chr07	11679083	GG	AA	1940394265
SNP_P1_135586_11679085	NC_021166.1	Ca_kabuli_chr07	11679085	GG	AA	1940394267
SNP_P1_135587_11679090	NC_021166.1	Ca_kabuli_chr07	11679090	TT	CC	1940394269
SNP_P1_135588_11679097	NC_021166.1	Ca_kabuli_chr07	11679097	TT	CC	1940394270
SNP_P1_135590_11679316	NC_021166.1	Ca_kabuli_chr07	11679316	GG	AA	1940394272
SNP_P1_135591_11679353	NC_021166.1	Ca_kabuli_chr07	11679353	AA	TT	1940394274
SNP_P1_135592_11680404	NC_021166.1	Ca_kabuli_chr07	11680404	GG	AA	1940394276
SNP_P1_135593_11680585	NC_021166.1	Ca_kabuli_chr07	11680585	CC	TT	1940394277
SNP_P1_135594_11680954	NC_021166.1	Ca_kabuli_chr07	11680954	GG	AA	1940394279
SNP_P1_135595_11680989	NC_021166.1	Ca_kabuli_chr07	11680989	TT	CC	1940394281

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_135596_11681004	NC_021166.1	Ca_kabuli_chr07	11681004	CC	TT	1940394283
SNP_P1_135597_11681009	NC_021166.1	Ca_kabuli_chr07	11681009	CC	GG	1940394285
SNP_P1_135598_11681027	NC_021166.1	Ca_kabuli_chr07	11681027	GG	AA	1940394286
SNP_P1_135599_11681178	NC_021166.1	Ca_kabuli_chr07	11681178	AA	GG	1940394288
SNP_P1_135600_11681318	NC_021166.1	Ca_kabuli_chr07	11681318	TT	CC	1940394290
SNP_P1_135601_11681956	NC_021166.1	Ca_kabuli_chr07	11681956	GG	TT	1940394292
SNP_P1_135602_11682363	NC_021166.1	Ca_kabuli_chr07	11682363	AA	GG	1940394294
SNP_P1_135603_11682411	NC_021166.1	Ca_kabuli_chr07	11682411	TT	CC	1940394295
SNP_P1_135604_11682423	NC_021166.1	Ca_kabuli_chr07	11682423	TT	CC	1940394297
SNP_P1_135605_11682666	NC_021166.1	Ca_kabuli_chr07	11682666	AA	GG	1940394299
SNP_P1_135606_11682674	NC_021166.1	Ca_kabuli_chr07	11682674	GG	AA	1940394301
SNP_P1_135607_11682681	NC_021166.1	Ca_kabuli_chr07	11682681	GG	AA	1940394302
SNP_P1_135608_11682686	NC_021166.1	Ca_kabuli_chr07	11682686	AA	GG	1940394304
SNP_P1_135609_11682689	NC_021166.1	Ca_kabuli_chr07	11682689	AA	GG	1940394306
SNP_P1_135610_11682865	NC_021166.1	Ca_kabuli_chr07	11682865	AA	TT	1940394308
SNP_P1_135611_11683161	NC_021166.1	Ca_kabuli_chr07	11683161	AA	CC	1940394309
SNP_P1_135612_11683195	NC_021166.1	Ca_kabuli_chr07	11683195	TT	AA	1940394311
SNP_P1_135613_11683202	NC_021166.1	Ca_kabuli_chr07	11683202	AA	CC	1940394313
SNP_P1_135614_11683957	NC_021166.1	Ca_kabuli_chr07	11683957	AA	TT	1940394315
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SNP_P1_135617_11687371	NC_021166.1	Ca_kabuli_chr07	11687371	GG	TT	1940394318
SNP_P1_135618_11687490	NC_021166.1	Ca_kabuli_chr07	11687490	CC	AA	1940394320
SNP_P1_135619_11687562	NC_021166.1	Ca_kabuli_chr07	11687562	CC	TT	1940394322
SNP_P1_135621_11691939	NC_021166.1	Ca_kabuli_chr07	11691939	AA	TT	1940394324
SNP_P1_135622_11692009	NC_021166.1	Ca_kabuli_chr07	11692009	CC	TT	1940394326
SNP_P1_135625_11693215	NC_021166.1	Ca_kabuli_chr07	11693215	AA	GG	1940394327
SNP_P1_135627_11693740	NC_021166.1	Ca_kabuli_chr07	11693740	GG	AA	1940394329
SNP_P1_135628_11693798	NC_021166.1	Ca_kabuli_chr07	11693798	TT	AA	1940394331
SNP_P1_135630_11697451	NC_021166.1	Ca_kabuli_chr07	11697451	GG	TT	1940394333
SNP_P1_135632_11697602	NC_021166.1	Ca_kabuli_chr07	11697602	AA	CC	1940394334
SNP_P1_135634_11704745	NC_021166.1	Ca_kabuli_chr07	11704745	CC	AA	1940394336
SNP_P1_135636_11705593	NC_021166.1	Ca_kabuli_chr07	11705593	CC	GG	1940394338
SNP_P1_135637_11705813	NC_021166.1	Ca_kabuli_chr07	11705813	CC	TT	1940394340
SNP_P1_135638_11705943	NC_021166.1	Ca_kabuli_chr07	11705943	GG	AA	1940394342
SNP_P1_135639_11705955	NC_021166.1	Ca_kabuli_chr07	11705955	AA	TT	1940394343
SNP_P1_135640_11706657	NC_021166.1	Ca_kabuli_chr07	11706657	GG	AA	1940394345
SNP_P1_135641_11706961	NC_021166.1	Ca_kabuli_chr07	11706961	TT	CC	1940394347
SNP_P1_135642_11707029	NC_021166.1	Ca_kabuli_chr07	11707029	CC	TT	1940394349
SNP_P1_135643_11707086	NC_021166.1	Ca_kabuli_chr07	11707086	AA	GG	1940394351
SNP_P1_135644_11707339	NC_021166.1	Ca_kabuli_chr07	11707339	AA	GG	1940394352
SNP_P1_135645_11707350	NC_021166.1	Ca_kabuli_chr07	11707350	GG	CC	1940394354
SNP_P1_135646_11707366	NC_021166.1	Ca_kabuli_chr07	11707366	GG	AA	1940394356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135648_11707513	NC_021166.1	Ca_kabuli_chr07	11707513	CC	TT	1940394359
SNP_P1_135649_11707531	NC_021166.1	Ca_kabuli_chr07	11707531	AA	CC	1940394361
SNP_P1_135650_11707540	NC_021166.1	Ca_kabuli_chr07	11707540	GG	AA	1940394363
SNP_P1_135651_11707716	NC_021166.1	Ca_kabuli_chr07	11707716	CC	TT	1940394365
SNP_P1_135652_11708059	NC_021166.1	Ca_kabuli_chr07	11708059	AA	GG	1940394367
SNP_P1_135653_11708387	NC_021166.1	Ca_kabuli_chr07	11708387	GG	AA	1940394368
SNP_P1_135654_11709377	NC_021166.1	Ca_kabuli_chr07	11709377	TT	CC	1940394370
SNP_P1_135655_11709772	NC_021166.1	Ca_kabuli_chr07	11709772	TT	GG	1940394372
SNP_P1_135656_11710906	NC_021166.1	Ca_kabuli_chr07	11710906	CC	TT	1940394374
SNP_P1_135657_11710990	NC_021166.1	Ca_kabuli_chr07	11710990	GG	CC	1940394376
SNP_P1_135658_11711447	NC_021166.1	Ca_kabuli_chr07	11711447	GG	TT	1940394377
SNP_P1_135659_11711448	NC_021166.1	Ca_kabuli_chr07	11711448	GG	AA	1940394379
SNP_P1_135660_11712396	NC_021166.1	Ca_kabuli_chr07	11712396	AA	GG	1940394381
SNP_P1_135661_11712405	NC_021166.1	Ca_kabuli_chr07	11712405	GG	AA	1940394383
SNP_P1_135662_11712409	NC_021166.1	Ca_kabuli_chr07	11712409	CC	TT	1940394384
SNP_P1_135663_11712420	NC_021166.1	Ca_kabuli_chr07	11712420	TT	CC	1940394386
SNP_P1_135664_11712431	NC_021166.1	Ca_kabuli_chr07	11712431	TT	AA	1940394388
SNP_P1_135665_11712461	NC_021166.1	Ca_kabuli_chr07	11712461	AA	GG	1940394390
SNP_P1_135666_11712470	NC_021166.1	Ca_kabuli_chr07	11712470	AA	GG	1940394392
SNP_P1_135667_11712478	NC_021166.1	Ca_kabuli_chr07	11712478	TT	CC	1940394393
SNP_P1_135668_11712494	NC_021166.1	Ca_kabuli_chr07	11712494	TT	CC	1940394395
SNP_P1_135669_11712532	NC_021166.1	Ca_kabuli_chr07	11712532	TT	CC	1940394397
SNP_P1_135670_11712537	NC_021166.1	Ca_kabuli_chr07	11712537	CC	TT	1940394398
SNP_P1_135671_11713758	NC_021166.1	Ca_kabuli_chr07	11713758	AA	TT	1940394400
SNP_P1_135672_11714194	NC_021166.1	Ca_kabuli_chr07	11714194	GG	AA	1940394402
SNP_P1_135673_11714238	NC_021166.1	Ca_kabuli_chr07	11714238	AA	GG	1940394404
SNP_P1_135674_11714246	NC_021166.1	Ca_kabuli_chr07	11714246	AA	GG	1940394405
SNP_P1_135675_11714255	NC_021166.1	Ca_kabuli_chr07	11714255	AA	TT	1940394407
SNP_P1_135676_11714293	NC_021166.1	Ca_kabuli_chr07	11714293	AA	TT	1940394409
SNP_P1_135677_11714363	NC_021166.1	Ca_kabuli_chr07	11714363	GG	TT	1940394411
SNP_P1_135679_11714530	NC_021166.1	Ca_kabuli_chr07	11714530	TT	CC	1940394413
SNP_P1_135680_11715265	NC_021166.1	Ca_kabuli_chr07	11715265	GG	AA	1940394414
SNP_P1_135681_11717113	NC_021166.1	Ca_kabuli_chr07	11717113	TT	CC	1940394416
SNP_P1_135682_11717556	NC_021166.1	Ca_kabuli_chr07	11717556	AA	GG	1940394418
SNP_P1_135683_11717560	NC_021166.1	Ca_kabuli_chr07	11717560	GG	AA	1940394420
SNP_P1_135684_11717561	NC_021166.1	Ca_kabuli_chr07	11717561	GG	AA	1940394422
SNP_P1_135685_11717621	NC_021166.1	Ca_kabuli_chr07	11717621	TT	GG	1940394423
SNP_P1_135686_11717637	NC_021166.1	Ca_kabuli_chr07	11717637	GG	AA	1940394425
SNP_P1_135687_11717677	NC_021166.1	Ca_kabuli_chr07	11717677	CC	AA	1940394427
SNP_P1_135688_11717858	NC_021166.1	Ca_kabuli_chr07	11717858	GG	AA	1940394429
SNP_P1_135689_11717872	NC_021166.1	Ca_kabuli_chr07	11717872	GG	TT	1940394431

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_135690_11717883	NC_021166.1	Ca_kabuli_chr07	11717883	GG	TT	1940394432
SNP_P1_135691_11717929	NC_021166.1	Ca_kabuli_chr07	11717929	AA	TT	1940394434
SNP_P1_135692_11718147	NC_021166.1	Ca_kabuli_chr07	11718147	CC	AA	1940394436
SNP_P1_135693_11718331	NC_021166.1	Ca_kabuli_chr07	11718331	CC	TT	1940394438
SNP_P1_135694_11718365	NC_021166.1	Ca_kabuli_chr07	11718365	AA	CC	1940394440
SNP_P1_135695_11718499	NC_021166.1	Ca_kabuli_chr07	11718499	GG	CC	1940394441
SNP_P1_135696_11718502	NC_021166.1	Ca_kabuli_chr07	11718502	GG	AA	1940394443
SNP_P1_135697_11718509	NC_021166.1	Ca_kabuli_chr07	11718509	CC	TT	1940394445
SNP_P1_135698_11718533	NC_021166.1	Ca_kabuli_chr07	11718533	GG	AA	1940394447
SNP_P1_135699_11718552	NC_021166.1	Ca_kabuli_chr07	11718552	TT	AA	1940394449
SNP_P1_135700_11719248	NC_021166.1	Ca_kabuli_chr07	11719248	GG	AA	1940394450
SNP_P1_135701_11719315	NC_021166.1	Ca_kabuli_chr07	11719315	AA	GG	1940394452
SNP_P1_135702_11719449	NC_021166.1	Ca_kabuli_chr07	11719449	GG	AA	1940394454
SNP_P1_135703_11719493	NC_021166.1	Ca_kabuli_chr07	11719493	CC	TT	1940394456
SNP_P1_135704_11719503	NC_021166.1	Ca_kabuli_chr07	11719503	TT	AA	1940394458
SNP_P1_135705_11719622	NC_021166.1	Ca_kabuli_chr07	11719622	AA	CC	1940394459
SNP_P1_135706_11719828	NC_021166.1	Ca_kabuli_chr07	11719828	CC	TT	1940394461
SNP_P1_135707_11720032	NC_021166.1	Ca_kabuli_chr07	11720032	GG	AA	1940394463
SNP_P1_135708_11720534	NC_021166.1	Ca_kabuli_chr07	11720534	TT	CC	1940394465
SNP_P1_135709_11720727	NC_021166.1	Ca_kabuli_chr07	11720727	CC	AA	1940394466
SNP_P1_135710_11720978	NC_021166.1	Ca_kabuli_chr07	11720978	CC	TT	1940394468
SNP_P1_135711_11721028	NC_021166.1	Ca_kabuli_chr07	11721028	GG	AA	1940394470
SNP_P1_135712_11721034	NC_021166.1	Ca_kabuli_chr07	11721034	AA	TT	1940394472
SNP_P1_135713_11722167	NC_021166.1	Ca_kabuli_chr07	11722167	GG	CC	1940394474
SNP_P1_135714_11722170	NC_021166.1	Ca_kabuli_chr07	11722170	GG	TT	1940394475
SNP_P1_135715_11722182	NC_021166.1	Ca_kabuli_chr07	11722182	TT	CC	1940394477
SNP_P1_135716_11723367	NC_021166.1	Ca_kabuli_chr07	11723367	CC	AA	1940394479
SNP_P1_135717_11723370	NC_021166.1	Ca_kabuli_chr07	11723370	AA	GG	1940394481
SNP_P1_135718_11723373	NC_021166.1	Ca_kabuli_chr07	11723373	AA	TT	1940394483
SNP_P1_135719_11723599	NC_021166.1	Ca_kabuli_chr07	11723599	TT	AA	1940394484
SNP_P1_135720_11723856	NC_021166.1	Ca_kabuli_chr07	11723856	CC	TT	1940394486
SNP_P1_135721_11724398	NC_021166.1	Ca_kabuli_chr07	11724398	AA	GG	1940394488
SNP_P1_135722_11725655	NC_021166.1	Ca_kabuli_chr07	11725655	GG	AA	1940394490
SNP_P1_135723_11725760	NC_021166.1	Ca_kabuli_chr07	11725760	GG	AA	1940394491
SNP_P1_135724_11726758	NC_021166.1	Ca_kabuli_chr07	11726758	TT	CC	1940394493
SNP_P1_135725_11727049	NC_021166.1	Ca_kabuli_chr07	11727049	GG	TT	1940394495
SNP_P1_135726_11728069	NC_021166.1	Ca_kabuli_chr07	11728069	TT	CC	1940394497
SNP_P1_135727_11729261	NC_021166.1	Ca_kabuli_chr07	11729261	AA	GG	1940394499
SNP_P1_135728_11729672	NC_021166.1	Ca_kabuli_chr07	11729672	AA	TT	1940394500
SNP_P1_135730_11731993	NC_021166.1	Ca_kabuli_chr07	11731993	TT	CC	1940394502
SNP_P1_135732_11732436	NC_021166.1	Ca_kabuli_chr07	11732436	GG	CC	1940394504
SNP_P1_135733_11732482	NC_021166.1	Ca_kabuli_chr07	11732482	GG	AA	1940394506

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135735_11732899	NC_021166.1	Ca_kabuli_chr07	11732899	CC	GG	1940394509
SNP_P1_135736_11732929	NC_021166.1	Ca_kabuli_chr07	11732929	CC	AA	1940394511
SNP_P1_135737_11733203	NC_021166.1	Ca_kabuli_chr07	11733203	CC	AA	1940394513
SNP_P1_135738_11733235	NC_021166.1	Ca_kabuli_chr07	11733235	GG	AA	1940394515
SNP_P1_135739_11735753	NC_021166.1	Ca_kabuli_chr07	11735753	AA	CC	1940394516
SNP_P1_135740_11735857	NC_021166.1	Ca_kabuli_chr07	11735857	TT	CC	1940394518
SNP_P1_135741_11736142	NC_021166.1	Ca_kabuli_chr07	11736142	AA	GG	1940394520
SNP_P1_135742_11737682	NC_021166.1	Ca_kabuli_chr07	11737682	GG	AA	1940394522
SNP_P1_135743_11737691	NC_021166.1	Ca_kabuli_chr07	11737691	GG	AA	1940394524
SNP_P1_135744_11737827	NC_021166.1	Ca_kabuli_chr07	11737827	AA	TT	1940394525
SNP_P1_135745_11738534	NC_021166.1	Ca_kabuli_chr07	11738534	GG	CC	1940394527
SNP_P1_135746_11738744	NC_021166.1	Ca_kabuli_chr07	11738744	GG	AA	1940394529
SNP_P1_135747_11738784	NC_021166.1	Ca_kabuli_chr07	11738784	TT	CC	1940394531
SNP_P1_135748_11738919	NC_021166.1	Ca_kabuli_chr07	11738919	AA	TT	1940394533
SNP_P1_135749_11738943	NC_021166.1	Ca_kabuli_chr07	11738943	CC	GG	1940394534
SNP_P1_135750_11740699	NC_021166.1	Ca_kabuli_chr07	11740699	AA	GG	1940394536
SNP_P1_135751_11743230	NC_021166.1	Ca_kabuli_chr07	11743230	GG	AA	1940394538
SNP_P1_135752_11743602	NC_021166.1	Ca_kabuli_chr07	11743602	GG	AA	1940394540
SNP_P1_135753_11743614	NC_021166.1	Ca_kabuli_chr07	11743614	GG	AA	1940394541
SNP_P1_135754_11744019	NC_021166.1	Ca_kabuli_chr07	11744019	TT	CC	1940394543
SNP_P1_135755_11744066	NC_021166.1	Ca_kabuli_chr07	11744066	TT	CC	1940394545
SNP_P1_135756_11744070	NC_021166.1	Ca_kabuli_chr07	11744070	CC	TT	1940394547
SNP_P1_135757_11744100	NC_021166.1	Ca_kabuli_chr07	11744100	GG	CC	1940394549
SNP_P1_135758_11744214	NC_021166.1	Ca_kabuli_chr07	11744214	TT	GG	1940394550
SNP_P1_135759_11744546	NC_021166.1	Ca_kabuli_chr07	11744546	CC	TT	1940394552
SNP_P1_135760_11745150	NC_021166.1	Ca_kabuli_chr07	11745150	TT	AA	1940394554
SNP_P1_135761_11745169	NC_021166.1	Ca_kabuli_chr07	11745169	AA	GG	1940394556
SNP_P1_135762_11745196	NC_021166.1	Ca_kabuli_chr07	11745196	AA	GG	1940394558
SNP_P1_135763_11745337	NC_021166.1	Ca_kabuli_chr07	11745337	AA	GG	1940394559
SNP_P1_135764_11745470	NC_021166.1	Ca_kabuli_chr07	11745470	AA	GG	1940394561
SNP_P1_135765_11745579	NC_021166.1	Ca_kabuli_chr07	11745579	AA	GG	1940394563
SNP_P1_135766_11745753	NC_021166.1	Ca_kabuli_chr07	11745753	TT	GG	1940394565
SNP_P1_135768_11746275	NC_021166.1	Ca_kabuli_chr07	11746275	TT	GG	1940394566
SNP_P1_135769_11746296	NC_021166.1	Ca_kabuli_chr07	11746296	AA	GG	1940394568
SNP_P1_135770_11746300	NC_021166.1	Ca_kabuli_chr07	11746300	TT	CC	1940394570
SNP_P1_135771_11746598	NC_021166.1	Ca_kabuli_chr07	11746598	AA	TT	1940394572
SNP_P1_135772_11750141	NC_021166.1	Ca_kabuli_chr07	11750141	CC	AA	1940394574
SNP_P1_135773_11750693	NC_021166.1	Ca_kabuli_chr07	11750693	AA	GG	1940394575
SNP_P1_135774_11750951	NC_021166.1	Ca_kabuli_chr07	11750951	TT	CC	1940394577
SNP_P1_135775_11751063	NC_021166.1	Ca_kabuli_chr07	11751063	AA	GG	1940394579
SNP_P1_135776_11751176	NC_021166.1	Ca_kabuli_chr07	11751176	TT	CC	1940394581

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135778_11751622	NC_021166.1	Ca_kabuli_chr07	11751622	TT	CC	1940394584
SNP_P1_135780_11751819	NC_021166.1	Ca_kabuli_chr07	11751819	TT	CC	1940394586
SNP_P1_135781_11752054	NC_021166.1	Ca_kabuli_chr07	11752054	GG	AA	1940394588
SNP_P1_135782_11752055	NC_021166.1	Ca_kabuli_chr07	11752055	TT	CC	1940394590
SNP_P1_135783_11752212	NC_021166.1	Ca_kabuli_chr07	11752212	AA	GG	1940394591
SNP_P1_135784_11753073	NC_021166.1	Ca_kabuli_chr07	11753073	CC	TT	1940394593
SNP_P1_135785_11753483	NC_021166.1	Ca_kabuli_chr07	11753483	AA	GG	1940394595
SNP_P1_135786_11754913	NC_021166.1	Ca_kabuli_chr07	11754913	TT	CC	1940394597
SNP_P1_135788_11757111	NC_021166.1	Ca_kabuli_chr07	11757111	TT	CC	1940394598
SNP_P1_135789_11757113	NC_021166.1	Ca_kabuli_chr07	11757113	TT	CC	1940394600
SNP_P1_135791_11757447	NC_021166.1	Ca_kabuli_chr07	11757447	CC	TT	1940394602
SNP_P1_135794_11758015	NC_021166.1	Ca_kabuli_chr07	11758015	CC	TT	1940394604
SNP_P1_135795_11758027	NC_021166.1	Ca_kabuli_chr07	11758027	GG	AA	1940394606
SNP_P1_135796_11758303	NC_021166.1	Ca_kabuli_chr07	11758303	TT	CC	1940394607
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SNP_P1_135799_11759152	NC_021166.1	Ca_kabuli_chr07	11759152	GG	AA	1940394611
SNP_P1_135800_11759168	NC_021166.1	Ca_kabuli_chr07	11759168	TT	CC	1940394613
SNP_P1_135801_11759238	NC_021166.1	Ca_kabuli_chr07	11759238	TT	GG	1940394615
SNP_P1_135802_11759267	NC_021166.1	Ca_kabuli_chr07	11759267	CC	AA	1940394616
SNP_P1_135803_11759277	NC_021166.1	Ca_kabuli_chr07	11759277	AA	GG	1940394618
SNP_P1_135804_11759323	NC_021166.1	Ca_kabuli_chr07	11759323	AA	CC	1940394620
SNP_P1_135805_11759391	NC_021166.1	Ca_kabuli_chr07	11759391	TT	CC	1940394622
SNP_P1_135806_11759923	NC_021166.1	Ca_kabuli_chr07	11759923	CC	TT	1940394623
SNP_P1_135807_11760244	NC_021166.1	Ca_kabuli_chr07	11760244	GG	AA	1940394625
SNP_P1_135808_11760490	NC_021166.1	Ca_kabuli_chr07	11760490	GG	AA	1940394627
SNP_P1_135809_11760917	NC_021166.1	Ca_kabuli_chr07	11760917	AA	GG	1940394629
SNP_P1_135810_11761209	NC_021166.1	Ca_kabuli_chr07	11761209	GG	AA	1940394631
SNP_P1_135811_11761351	NC_021166.1	Ca_kabuli_chr07	11761351	GG	AA	1940394632
SNP_P1_135812_11762348	NC_021166.1	Ca_kabuli_chr07	11762348	CC	TT	1940394634
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SNP_P1_135814_11763098	NC_021166.1	Ca_kabuli_chr07	11763098	CC	TT	1940394638
SNP_P1_135815_11764191	NC_021166.1	Ca_kabuli_chr07	11764191	GG	AA	1940394639
SNP_P1_135818_11766589	NC_021166.1	Ca_kabuli_chr07	11766589	CC	TT	1940394641
SNP_P1_135819_11767651	NC_021166.1	Ca_kabuli_chr07	11767651	TT	CC	1940394643
SNP_P1_135820_11768414	NC_021166.1	Ca_kabuli_chr07	11768414	TT	CC	1940394645
SNP_P1_135822_11769351	NC_021166.1	Ca_kabuli_chr07	11769351	CC	AA	1940394647
SNP_P1_135823_11770323	NC_021166.1	Ca_kabuli_chr07	11770323	CC	TT	1940394648
SNP_P1_135824_11770336	NC_021166.1	Ca_kabuli_chr07	11770336	TT	CC	1940394650
SNP_P1_135826_11770830	NC_021166.1	Ca_kabuli_chr07	11770830	AA	CC	1940394652
SNP_P1_135827_11770845	NC_021166.1	Ca_kabuli_chr07	11770845	AA	GG	1940394654
SNP_P1_135828_11771781	NC_021166.1	Ca_kabuli_chr07	11771781	CC	AA	1940394655

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135830_11772109	NC_021166.1	Ca_kabuli_chr07	11772109	AA	GG	1940394659
SNP_P1_135831_11772666	NC_021166.1	Ca_kabuli_chr07	11772666	AA	GG	1940394661
SNP_P1_135832_11775872	NC_021166.1	Ca_kabuli_chr07	11775872	CC	TT	1940394662
SNP_P1_135833_11775916	NC_021166.1	Ca_kabuli_chr07	11775916	CC	TT	1940394664
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SNP_P1_135837_11775957	NC_021166.1	Ca_kabuli_chr07	11775957	CC	TT	1940394671
SNP_P1_135838_11775999	NC_021166.1	Ca_kabuli_chr07	11775999	CC	TT	1940394673
SNP_P1_135839_11776006	NC_021166.1	Ca_kabuli_chr07	11776006	CC	TT	1940394675
SNP_P1_135840_11776013	NC_021166.1	Ca_kabuli_chr07	11776013	GG	AA	1940394677
SNP_P1_135841_11776038	NC_021166.1	Ca_kabuli_chr07	11776038	AA	GG	1940394678
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SNP_P1_135843_11776369	NC_021166.1	Ca_kabuli_chr07	11776369	TT	CC	1940394682
SNP_P1_135844_11776372	NC_021166.1	Ca_kabuli_chr07	11776372	AA	TT	1940394684
SNP_P1_135845_11777215	NC_021166.1	Ca_kabuli_chr07	11777215	GG	CC	1940394686
SNP_P1_135846_11777335	NC_021166.1	Ca_kabuli_chr07	11777335	CC	TT	1940394687
SNP_P1_135847_11777467	NC_021166.1	Ca_kabuli_chr07	11777467	CC	GG	1940394689
SNP_P1_135849_11777717	NC_021166.1	Ca_kabuli_chr07	11777717	GG	TT	1940394691
SNP_P1_135850_11779388	NC_021166.1	Ca_kabuli_chr07	11779388	AA	GG	1940394693
SNP_P1_135851_11779419	NC_021166.1	Ca_kabuli_chr07	11779419	CC	TT	1940394695
SNP_P1_135852_11779761	NC_021166.1	Ca_kabuli_chr07	11779761	CC	GG	1940394696
SNP_P1_135853_11779818	NC_021166.1	Ca_kabuli_chr07	11779818	CC	TT	1940394698
SNP_P1_135854_11780113	NC_021166.1	Ca_kabuli_chr07	11780113	TT	CC	1940394700
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SNP_P1_135860_11785581	NC_021166.1	Ca_kabuli_chr07	11785581	TT	AA	1940394711
SNP_P1_135861_11785872	NC_021166.1	Ca_kabuli_chr07	11785872	CC	TT	1940394712
SNP_P1_135862_11785881	NC_021166.1	Ca_kabuli_chr07	11785881	CC	AA	1940394714
SNP_P1_135863_11785903	NC_021166.1	Ca_kabuli_chr07	11785903	GG	AA	1940394716
SNP_P1_135864_11786004	NC_021166.1	Ca_kabuli_chr07	11786004	AA	GG	1940394718
SNP_P1_135865_11786008	NC_021166.1	Ca_kabuli_chr07	11786008	AA	GG	1940394719
SNP_P1_135866_11786308	NC_021166.1	Ca_kabuli_chr07	11786308	GG	AA	1940394721
SNP_P1_135867_11787359	NC_021166.1	Ca_kabuli_chr07	11787359	CC	TT	1940394723
SNP_P1_135868_11787923	NC_021166.1	Ca_kabuli_chr07	11787923	TT	AA	1940394725
SNP_P1_135869_11788315	NC_021166.1	Ca_kabuli_chr07	11788315	AA	GG	1940394727
SNP_P1_135870_11788611	NC_021166.1	Ca_kabuli_chr07	11788611	TT	AA	1940394728
SNP_P1_135871_11789006	NC_021166.1	Ca_kabuli_chr07	11789006	AA	GG	1940394730

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135874_11796959	NC_021166.1	Ca_kabuli_chr07	11796959	TT	CC	1940394735
SNP_P1_135875_11798732	NC_021166.1	Ca_kabuli_chr07	11798732	AA	TT	1940394737
SNP_P1_135876_11798967	NC_021166.1	Ca_kabuli_chr07	11798967	GG	AA	1940394739
SNP_P1_135877_11798980	NC_021166.1	Ca_kabuli_chr07	11798980	CC	TT	1940394741
SNP_P1_135878_11798996	NC_021166.1	Ca_kabuli_chr07	11798996	TT	CC	1940394743
SNP_P1_135879_11799286	NC_021166.1	Ca_kabuli_chr07	11799286	AA	TT	1940394744
SNP_P1_135880_11799288	NC_021166.1	Ca_kabuli_chr07	11799288	TT	GG	1940394746
SNP_P1_135881_11799290	NC_021166.1	Ca_kabuli_chr07	11799290	TT	CC	1940394748
SNP_P1_135882_11799305	NC_021166.1	Ca_kabuli_chr07	11799305	AA	TT	1940394750
SNP_P1_135883_11799319	NC_021166.1	Ca_kabuli_chr07	11799319	CC	TT	1940394751
SNP_P1_135884_11799404	NC_021166.1	Ca_kabuli_chr07	11799404	CC	TT	1940394753
SNP_P1_135885_11799642	NC_021166.1	Ca_kabuli_chr07	11799642	AA	CC	1940394755
SNP_P1_135886_11799645	NC_021166.1	Ca_kabuli_chr07	11799645	TT	GG	1940394757
SNP_P1_135887_11799699	NC_021166.1	Ca_kabuli_chr07	11799699	GG	TT	1940394759
SNP_P1_135888_11799938	NC_021166.1	Ca_kabuli_chr07	11799938	CC	TT	1940394760
SNP_P1_135889_11799942	NC_021166.1	Ca_kabuli_chr07	11799942	TT	AA	1940394762
SNP_P1_135890_11799948	NC_021166.1	Ca_kabuli_chr07	11799948	TT	AA	1940394764
SNP_P1_135891_11800214	NC_021166.1	Ca_kabuli_chr07	11800214	TT	AA	1940394766
SNP_P1_135892_11801109	NC_021166.1	Ca_kabuli_chr07	11801109	TT	AA	1940394768
SNP_P1_135893_11802650	NC_021166.1	Ca_kabuli_chr07	11802650	GG	CC	1940394769
SNP_P1_135894_11803540	NC_021166.1	Ca_kabuli_chr07	11803540	TT	CC	1940394771
SNP_P1_135895_11803899	NC_021166.1	Ca_kabuli_chr07	11803899	CC	TT	1940394773
SNP_P1_135897_11804564	NC_021166.1	Ca_kabuli_chr07	11804564	CC	TT	1940394775
SNP_P1_135898_11805004	NC_021166.1	Ca_kabuli_chr07	11805004	CC	TT	1940394776
SNP_P1_135899_11805027	NC_021166.1	Ca_kabuli_chr07	11805027	AA	TT	1940394778
SNP_P1_135900_11805109	NC_021166.1	Ca_kabuli_chr07	11805109	CC	TT	1940394780
SNP_P1_135901_11805316	NC_021166.1	Ca_kabuli_chr07	11805316	AA	TT	1940394782
SNP_P1_135902_11806557	NC_021166.1	Ca_kabuli_chr07	11806557	AA	GG	1940394784
SNP_P1_135903_11806826	NC_021166.1	Ca_kabuli_chr07	11806826	GG	AA	1940394785
SNP_P1_135904_11806835	NC_021166.1	Ca_kabuli_chr07	11806835	TT	AA	1940394787
SNP_P1_135906_11808154	NC_021166.1	Ca_kabuli_chr07	11808154	TT	CC	1940394789
SNP_P1_135907_11808161	NC_021166.1	Ca_kabuli_chr07	11808161	TT	CC	1940394791
SNP_P1_135908_11808834	NC_021166.1	Ca_kabuli_chr07	11808834	AA	TT	1940394792
SNP_P1_135909_11809148	NC_021166.1	Ca_kabuli_chr07	11809148	AA	TT	1940394794
SNP_P1_135911_11809581	NC_021166.1	Ca_kabuli_chr07	11809581	CC	GG	1940394796
SNP_P1_135912_11809582	NC_021166.1	Ca_kabuli_chr07	11809582	TT	AA	1940394798
SNP_P1_135913_11809583	NC_021166.1	Ca_kabuli_chr07	11809583	AA	GG	1940394800
SNP_P1_135914_11809584	NC_021166.1	Ca_kabuli_chr07	11809584	GG	TT	1940394801
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SNP_P1_135916_11809847	NC_021166.1	Ca_kabuli_chr07	11809847	AA	GG	1940394805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135918_11809876	NC_021166.1	Ca_kabuli_chr07	11809876	TT	CC	1940394809
SNP_P1_135919_11811096	NC_021166.1	Ca_kabuli_chr07	11811096	CC	TT	1940394810
SNP_P1_135920_11811931	NC_021166.1	Ca_kabuli_chr07	11811931	AA	GG	1940394812
SNP_P1_135921_11812690	NC_021166.1	Ca_kabuli_chr07	11812690	CC	TT	1940394814
SNP_P1_135922_11812707	NC_021166.1	Ca_kabuli_chr07	11812707	CC	TT	1940394816
SNP_P1_135923_11812951	NC_021166.1	Ca_kabuli_chr07	11812951	CC	TT	1940394817
SNP_P1_135924_11813263	NC_021166.1	Ca_kabuli_chr07	11813263	TT	AA	1940394819
SNP_P1_135925_11813440	NC_021166.1	Ca_kabuli_chr07	11813440	AA	TT	1940394821
SNP_P1_135926_11813443	NC_021166.1	Ca_kabuli_chr07	11813443	CC	TT	1940394823
SNP_P1_135927_11813679	NC_021166.1	Ca_kabuli_chr07	11813679	TT	CC	1940394825
SNP_P1_135928_11813756	NC_021166.1	Ca_kabuli_chr07	11813756	CC	TT	1940394826
SNP_P1_135929_11813784	NC_021166.1	Ca_kabuli_chr07	11813784	CC	GG	1940394828
SNP_P1_135930_11813789	NC_021166.1	Ca_kabuli_chr07	11813789	TT	CC	1940394830
SNP_P1_135931_11813800	NC_021166.1	Ca_kabuli_chr07	11813800	AA	GG	1940394832
SNP_P1_135932_11813845	NC_021166.1	Ca_kabuli_chr07	11813845	CC	TT	1940394834
SNP_P1_135933_11813848	NC_021166.1	Ca_kabuli_chr07	11813848	GG	AA	1940394835
SNP_P1_135934_11813917	NC_021166.1	Ca_kabuli_chr07	11813917	GG	AA	1940394837
SNP_P1_135935_11813948	NC_021166.1	Ca_kabuli_chr07	11813948	CC	TT	1940394839
SNP_P1_135936_11814062	NC_021166.1	Ca_kabuli_chr07	11814062	CC	TT	1940394841
SNP_P1_135937_11814067	NC_021166.1	Ca_kabuli_chr07	11814067	AA	GG	1940394842
SNP_P1_135938_11814241	NC_021166.1	Ca_kabuli_chr07	11814241	AA	TT	1940394844
SNP_P1_135940_11830545	NC_021166.1	Ca_kabuli_chr07	11830545	AA	GG	1940394846
SNP_P1_135941_11832399	NC_021166.1	Ca_kabuli_chr07	11832399	TT	AA	1940394848
SNP_P1_135942_11832544	NC_021166.1	Ca_kabuli_chr07	11832544	CC	AA	1940394850
SNP_P1_135943_11833156	NC_021166.1	Ca_kabuli_chr07	11833156	GG	TT	1940394851
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SNP_P1_135946_11833326	NC_021166.1	Ca_kabuli_chr07	11833326	CC	TT	1940394855
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SNP_P1_135949_11833461	NC_021166.1	Ca_kabuli_chr07	11833461	TT	AA	1940394859
SNP_P1_135950_11833704	NC_021166.1	Ca_kabuli_chr07	11833704	AA	GG	1940394860
SNP_P1_135951_11833744	NC_021166.1	Ca_kabuli_chr07	11833744	GG	AA	1940394862
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SNP_P1_135956_11834012	NC_021166.1	Ca_kabuli_chr07	11834012	AA	TT	1940394871
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SNP_P1_135958_11834126	NC_021166.1	Ca_kabuli_chr07	11834126	TT	CC	1940394875
SNP_P1_135959_11834176	NC_021166.1	Ca_kabuli_chr07	11834176	CC	TT	1940394876
SNP_P1_135960_11834188	NC_021166.1	Ca_kabuli_chr07	11834188	GG	TT	1940394878
SNP_P1_135961_11834271	NC_021166.1	Ca_kabuli_chr07	11834271	CC	TT	1940394880

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_135965_11834473	NC_021166.1	Ca_kabuli_chr07	11834473	TT	AA	1940394885
SNP_P1_135966_11834514	NC_021166.1	Ca_kabuli_chr07	11834514	CC	TT	1940394887
SNP_P1_135968_11834859	NC_021166.1	Ca_kabuli_chr07	11834859	AA	TT	1940394889
SNP_P1_135969_11834875	NC_021166.1	Ca_kabuli_chr07	11834875	TT	GG	1940394891
SNP_P1_135971_11835218	NC_021166.1	Ca_kabuli_chr07	11835218	TT	GG	1940394892
SNP_P1_135972_11835228	NC_021166.1	Ca_kabuli_chr07	11835228	AA	GG	1940394894
SNP_P1_135973_11835376	NC_021166.1	Ca_kabuli_chr07	11835376	TT	AA	1940394896
SNP_P1_135974_11835671	NC_021166.1	Ca_kabuli_chr07	11835671	GG	TT	1940394898
SNP_P1_135976_11835789	NC_021166.1	Ca_kabuli_chr07	11835789	TT	CC	1940394900
SNP_P1_135977_11835797	NC_021166.1	Ca_kabuli_chr07	11835797	CC	TT	1940394901
SNP_P1_135978_11836001	NC_021166.1	Ca_kabuli_chr07	11836001	AA	TT	1940394903
SNP_P1_135979_11836030	NC_021166.1	Ca_kabuli_chr07	11836030	TT	CC	1940394905
SNP_P1_135980_11836049	NC_021166.1	Ca_kabuli_chr07	11836049	GG	CC	1940394907
SNP_P1_135981_11836084	NC_021166.1	Ca_kabuli_chr07	11836084	CC	GG	1940394908
SNP_P1_135982_11836100	NC_021166.1	Ca_kabuli_chr07	11836100	AA	GG	1940394910
SNP_P1_135983_11836109	NC_021166.1	Ca_kabuli_chr07	11836109	CC	GG	1940394912
SNP_P1_135984_11836221	NC_021166.1	Ca_kabuli_chr07	11836221	AA	GG	1940394914
SNP_P1_135985_11836224	NC_021166.1	Ca_kabuli_chr07	11836224	AA	GG	1940394916
SNP_P1_135986_11836239	NC_021166.1	Ca_kabuli_chr07	11836239	CC	TT	1940394917
SNP_P1_135987_11836253	NC_021166.1	Ca_kabuli_chr07	11836253	CC	TT	1940394919
SNP_P1_135989_11836462	NC_021166.1	Ca_kabuli_chr07	11836462	AA	TT	1940394921
SNP_P1_135990_11836478	NC_021166.1	Ca_kabuli_chr07	11836478	GG	CC	1940394923
SNP_P1_135991_11836541	NC_021166.1	Ca_kabuli_chr07	11836541	AA	GG	1940394925
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SNP_P1_135993_11836956	NC_021166.1	Ca_kabuli_chr07	11836956	CC	TT	1940394928
SNP_P1_135995_11837188	NC_021166.1	Ca_kabuli_chr07	11837188	CC	TT	1940394930
SNP_P1_135997_11837827	NC_021166.1	Ca_kabuli_chr07	11837827	CC	TT	1940394932
SNP_P1_135998_11840182	NC_021166.1	Ca_kabuli_chr07	11840182	CC	TT	1940394933
SNP_P1_135999_11840639	NC_021166.1	Ca_kabuli_chr07	11840639	AA	CC	1940394935
SNP_P1_136000_11841031	NC_021166.1	Ca_kabuli_chr07	11841031	CC	AA	1940394937
SNP_P1_136001_11841296	NC_021166.1	Ca_kabuli_chr07	11841296	TT	GG	1940394939
SNP_P1_136002_11841379	NC_021166.1	Ca_kabuli_chr07	11841379	AA	GG	1940394941
SNP_P1_136003_11843600	NC_021166.1	Ca_kabuli_chr07	11843600	TT	CC	1940394942
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SNP_P1_136005_11843930	NC_021166.1	Ca_kabuli_chr07	11843930	GG	AA	1940394946
SNP_P1_136006_11844086	NC_021166.1	Ca_kabuli_chr07	11844086	GG	AA	1940394948
SNP_P1_136007_11844251	NC_021166.1	Ca_kabuli_chr07	11844251	GG	AA	1940394949
SNP_P1_136008_11847020	NC_021166.1	Ca_kabuli_chr07	11847020	CC	AA	1940394951
SNP_P1_136009_11848545	NC_021166.1	Ca_kabuli_chr07	11848545	GG	AA	1940394953
SNP_P1_136010_11849286	NC_021166.1	Ca_kabuli_chr07	11849286	TT	GG	1940394955

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136013_11851169	NC_021166.1	Ca_kabuli_chr07	11851169	AA	GG	1940394960
SNP_P1_136014_11851304	NC_021166.1	Ca_kabuli_chr07	11851304	AA	TT	1940394962
SNP_P1_136015_11851313	NC_021166.1	Ca_kabuli_chr07	11851313	GG	AA	1940394964
SNP_P1_136016_11851619	NC_021166.1	Ca_kabuli_chr07	11851619	TT	CC	1940394965
SNP_P1_136017_11851708	NC_021166.1	Ca_kabuli_chr07	11851708	TT	CC	1940394967
SNP_P1_136018_11851881	NC_021166.1	Ca_kabuli_chr07	11851881	AA	GG	1940394969
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SNP_P1_136021_11851986	NC_021166.1	Ca_kabuli_chr07	11851986	AA	GG	1940394974
SNP_P1_136023_11852256	NC_021166.1	Ca_kabuli_chr07	11852256	TT	CC	1940394976
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SNP_P1_136030_11852699	NC_021166.1	Ca_kabuli_chr07	11852699	GG	AA	1940394989
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SNP_P1_136032_11852953	NC_021166.1	Ca_kabuli_chr07	11852953	TT	CC	1940394992
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SNP_P1_136035_11853125	NC_021166.1	Ca_kabuli_chr07	11853125	AA	GG	1940394998
SNP_P1_136036_11853374	NC_021166.1	Ca_kabuli_chr07	11853374	TT	CC	1940394999
SNP_P1_136037_11853422	NC_021166.1	Ca_kabuli_chr07	11853422	TT	CC	1940395001
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SNP_P1_136043_11853864	NC_021166.1	Ca_kabuli_chr07	11853864	TT	AA	1940395010
SNP_P1_136044_11853875	NC_021166.1	Ca_kabuli_chr07	11853875	TT	CC	1940395012
SNP_P1_136045_11853960	NC_021166.1	Ca_kabuli_chr07	11853960	GG	AA	1940395014
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SNP_P1_136047_11854042	NC_021166.1	Ca_kabuli_chr07	11854042	CC	TT	1940395017
SNP_P1_136049_11854080	NC_021166.1	Ca_kabuli_chr07	11854080	TT	AA	1940395019
SNP_P1_136050_11854093	NC_021166.1	Ca_kabuli_chr07	11854093	CC	TT	1940395021
SNP_P1_136051_11854170	NC_021166.1	Ca_kabuli_chr07	11854170	GG	AA	1940395022
SNP_P1_136052_11854223	NC_021166.1	Ca_kabuli_chr07	11854223	CC	TT	1940395024
SNP_P1_136053_11855807	NC_021166.1	Ca_kabuli_chr07	11855807	AA	GG	1940395026
SNP_P1_136054_11856075	NC_021166.1	Ca_kabuli_chr07	11856075	TT	CC	1940395028
SNP_P1_136055_11857436	NC_021166.1	Ca_kabuli_chr07	11857436	AA	GG	1940395030

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136058_11869111	NC_021166.1	Ca_kabuli_chr07	11869111	TT	CC	1940395035
SNP_P1_136059_11869317	NC_021166.1	Ca_kabuli_chr07	11869317	AA	GG	1940395037
SNP_P1_136060_11870003	NC_021166.1	Ca_kabuli_chr07	11870003	TT	GG	1940395038
SNP_P1_136061_11870668	NC_021166.1	Ca_kabuli_chr07	11870668	CC	TT	1940395040
SNP_P1_136062_11870750	NC_021166.1	Ca_kabuli_chr07	11870750	TT	CC	1940395042
SNP_P1_136063_11871271	NC_021166.1	Ca_kabuli_chr07	11871271	GG	CC	1940395044
SNP_P1_136064_11871785	NC_021166.1	Ca_kabuli_chr07	11871785	CC	AA	1940395045
SNP_P1_136065_11872241	NC_021166.1	Ca_kabuli_chr07	11872241	GG	AA	1940395047
SNP_P1_136066_11873304	NC_021166.1	Ca_kabuli_chr07	11873304	CC	TT	1940395049
SNP_P1_136067_11873525	NC_021166.1	Ca_kabuli_chr07	11873525	AA	TT	1940395051
SNP_P1_136068_11873583	NC_021166.1	Ca_kabuli_chr07	11873583	GG	AA	1940395053
SNP_P1_136069_11873598	NC_021166.1	Ca_kabuli_chr07	11873598	CC	TT	1940395054
SNP_P1_136071_11873764	NC_021166.1	Ca_kabuli_chr07	11873764	TT	GG	1940395056
SNP_P1_136072_11873832	NC_021166.1	Ca_kabuli_chr07	11873832	CC	TT	1940395058
SNP_P1_136073_11873840	NC_021166.1	Ca_kabuli_chr07	11873840	TT	CC	1940395060
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SNP_P1_136077_11874143	NC_021166.1	Ca_kabuli_chr07	11874143	TT	CC	1940395067
SNP_P1_136079_11877216	NC_021166.1	Ca_kabuli_chr07	11877216	TT	CC	1940395069
SNP_P1_136080_11878904	NC_021166.1	Ca_kabuli_chr07	11878904	AA	CC	1940395070
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SNP_P1_136086_11879432	NC_021166.1	Ca_kabuli_chr07	11879432	TT	GG	1940395081
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SNP_P1_136090_11879505	NC_021166.1	Ca_kabuli_chr07	11879505	TT	AA	1940395088
SNP_P1_136091_11879506	NC_021166.1	Ca_kabuli_chr07	11879506	TT	AA	1940395090
SNP_P1_136092_11879507	NC_021166.1	Ca_kabuli_chr07	11879507	TT	AA	1940395092
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SNP_P1_136096_11880170	NC_021166.1	Ca_kabuli_chr07	11880170	CC	AA	1940395097
SNP_P1_136097_11880171	NC_021166.1	Ca_kabuli_chr07	11880171	CC	TT	1940395099
SNP_P1_136098_11880172	NC_021166.1	Ca_kabuli_chr07	11880172	CC	TT	1940395101
SNP_P1_136099_11880415	NC_021166.1	Ca_kabuli_chr07	11880415	AA	TT	1940395102
SNP_P1_136100_11881571	NC_021166.1	Ca_kabuli_chr07	11881571	AA	GG	1940395104

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136103_11882233	NC_021166.1	Ca_kabuli_chr07	11882233	CC	GG	1940395110
SNP_P1_136104_11882316	NC_021166.1	Ca_kabuli_chr07	11882316	AA	GG	1940395111
SNP_P1_136105_11882493	NC_021166.1	Ca_kabuli_chr07	11882493	AA	TT	1940395113
SNP_P1_136106_11882525	NC_021166.1	Ca_kabuli_chr07	11882525	TT	GG	1940395115
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SNP_P1_136108_11882580	NC_021166.1	Ca_kabuli_chr07	11882580	AA	GG	1940395119
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SNP_P1_136110_11882810	NC_021166.1	Ca_kabuli_chr07	11882810	TT	CC	1940395122
SNP_P1_136111_11882884	NC_021166.1	Ca_kabuli_chr07	11882884	TT	GG	1940395124
SNP_P1_136112_11882890	NC_021166.1	Ca_kabuli_chr07	11882890	AA	GG	1940395126
SNP_P1_136113_11882933	NC_021166.1	Ca_kabuli_chr07	11882933	AA	GG	1940395127
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SNP_P1_136117_11884166	NC_021166.1	Ca_kabuli_chr07	11884166	TT	CC	1940395131
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SNP_P1_136132_11888676	NC_021166.1	Ca_kabuli_chr07	11888676	TT	AA	1940395156
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SNP_P1_136145_11893514	NC_021166.1	Ca_kabuli_chr07	11893514	GG	AA	1940395175
SNP_P1_136146_11893807	NC_021166.1	Ca_kabuli_chr07	11893807	GG	AA	1940395177
SNP_P1_136147_11893808	NC_021166.1	Ca_kabuli_chr07	11893808	AA	TT	1940395179

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136150_11893897	NC_021166.1	Ca_kabuli_chr07	11893897	TT	CC	1940395184
SNP_P1_136151_11894257	NC_021166.1	Ca_kabuli_chr07	11894257	GG	TT	1940395186
SNP_P1_136154_11895176	NC_021166.1	Ca_kabuli_chr07	11895176	TT	AA	1940395188
SNP_P1_136155_11895244	NC_021166.1	Ca_kabuli_chr07	11895244	TT	GG	1940395189
SNP_P1_136156_11895320	NC_021166.1	Ca_kabuli_chr07	11895320	TT	AA	1940395191
SNP_P1_136158_11895828	NC_021166.1	Ca_kabuli_chr07	11895828	AA	GG	1940395193
SNP_P1_136159_11895855	NC_021166.1	Ca_kabuli_chr07	11895855	AA	GG	1940395195
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SNP_P1_136162_11896082	NC_021166.1	Ca_kabuli_chr07	11896082	GG	AA	1940395200
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SNP_P1_136164_11896142	NC_021166.1	Ca_kabuli_chr07	11896142	CC	TT	1940395204
SNP_P1_136165_11896735	NC_021166.1	Ca_kabuli_chr07	11896735	TT	AA	1940395205
SNP_P1_136166_11896986	NC_021166.1	Ca_kabuli_chr07	11896986	GG	AA	1940395207
SNP_P1_136167_11898446	NC_021166.1	Ca_kabuli_chr07	11898446	AA	GG	1940395209
SNP_P1_136170_11899697	NC_021166.1	Ca_kabuli_chr07	11899697	AA	GG	1940395211
SNP_P1_136172_11899878	NC_021166.1	Ca_kabuli_chr07	11899878	GG	CC	1940395212
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SNP_P1_136176_11901979	NC_021166.1	Ca_kabuli_chr07	11901979	AA	GG	1940395220
SNP_P1_136177_11902020	NC_021166.1	Ca_kabuli_chr07	11902020	GG	TT	1940395221
SNP_P1_136178_11902052	NC_021166.1	Ca_kabuli_chr07	11902052	CC	TT	1940395223
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SNP_P1_136180_11902142	NC_021166.1	Ca_kabuli_chr07	11902142	CC	AA	1940395227
SNP_P1_136181_11902159	NC_021166.1	Ca_kabuli_chr07	11902159	TT	GG	1940395229
SNP_P1_136182_11902191	NC_021166.1	Ca_kabuli_chr07	11902191	TT	GG	1940395230
SNP_P1_136185_11902358	NC_021166.1	Ca_kabuli_chr07	11902358	GG	AA	1940395232
SNP_P1_136188_11902621	NC_021166.1	Ca_kabuli_chr07	11902621	CC	AA	1940395234
SNP_P1_136189_11902633	NC_021166.1	Ca_kabuli_chr07	11902633	GG	AA	1940395236
SNP_P1_136190_11902644	NC_021166.1	Ca_kabuli_chr07	11902644	TT	CC	1940395238
SNP_P1_136191_11902655	NC_021166.1	Ca_kabuli_chr07	11902655	TT	GG	1940395239
SNP_P1_136192_11902683	NC_021166.1	Ca_kabuli_chr07	11902683	GG	AA	1940395241
SNP_P1_136193_11902781	NC_021166.1	Ca_kabuli_chr07	11902781	CC	TT	1940395243
SNP_P1_136194_11905370	NC_021166.1	Ca_kabuli_chr07	11905370	TT	AA	1940395245
SNP_P1_136195_11905717	NC_021166.1	Ca_kabuli_chr07	11905717	AA	CC	1940395246
SNP_P1_136196_11905910	NC_021166.1	Ca_kabuli_chr07	11905910	TT	CC	1940395248
SNP_P1_136197_11905916	NC_021166.1	Ca_kabuli_chr07	11905916	TT	CC	1940395250
SNP_P1_136198_11906031	NC_021166.1	Ca_kabuli_chr07	11906031	TT	CC	1940395252
SNP_P1_136199_11906036	NC_021166.1	Ca_kabuli_chr07	11906036	GG	CC	1940395253

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_136200_11907428	NC_021166.1	Ca_kabuli_chr07	11907428	TT	CC	1940395255
SNP_P1_136201_11908146	NC_021166.1	Ca_kabuli_chr07	11908146	AA	CC	1940395257
SNP_P1_136202_11908160	NC_021166.1	Ca_kabuli_chr07	11908160	CC	AA	1940395259
SNP_P1_136203_11908212	NC_021166.1	Ca_kabuli_chr07	11908212	GG	CC	1940395261
SNP_P1_136204_11908430	NC_021166.1	Ca_kabuli_chr07	11908430	AA	GG	1940395262
SNP_P1_136205_11908456	NC_021166.1	Ca_kabuli_chr07	11908456	TT	AA	1940395264
SNP_P1_136206_11908458	NC_021166.1	Ca_kabuli_chr07	11908458	TT	AA	1940395266
SNP_P1_136209_11909536	NC_021166.1	Ca_kabuli_chr07	11909536	CC	TT	1940395268
SNP_P1_136210_11909793	NC_021166.1	Ca_kabuli_chr07	11909793	GG	AA	1940395270
SNP_P1_136212_11911145	NC_021166.1	Ca_kabuli_chr07	11911145	TT	CC	1940395271
SNP_P1_136214_11911291	NC_021166.1	Ca_kabuli_chr07	11911291	GG	TT	1940395273
SNP_P1_136215_11911344	NC_021166.1	Ca_kabuli_chr07	11911344	AA	GG	1940395275
SNP_P1_136216_11911584	NC_021166.1	Ca_kabuli_chr07	11911584	CC	GG	1940395277
SNP_P1_136217_11913033	NC_021166.1	Ca_kabuli_chr07	11913033	CC	TT	1940395278
SNP_P1_136218_11913245	NC_021166.1	Ca_kabuli_chr07	11913245	TT	AA	1940395280
SNP_P1_136219_11913262	NC_021166.1	Ca_kabuli_chr07	11913262	CC	TT	1940395282
SNP_P1_136220_11913555	NC_021166.1	Ca_kabuli_chr07	11913555	AA	TT	1940395284
SNP_P1_136221_11913629	NC_021166.1	Ca_kabuli_chr07	11913629	CC	AA	1940395286
SNP_P1_136222_11913776	NC_021166.1	Ca_kabuli_chr07	11913776	TT	GG	1940395287
SNP_P1_136223_11913831	NC_021166.1	Ca_kabuli_chr07	11913831	GG	AA	1940395289
SNP_P1_136224_11913948	NC_021166.1	Ca_kabuli_chr07	11913948	TT	CC	1940395291
SNP_P1_136225_11914113	NC_021166.1	Ca_kabuli_chr07	11914113	TT	CC	1940395293
SNP_P1_136227_11914155	NC_021166.1	Ca_kabuli_chr07	11914155	AA	GG	1940395294
SNP_P1_136229_11914232	NC_021166.1	Ca_kabuli_chr07	11914232	GG	AA	1940395296
SNP_P1_136230_11914252	NC_021166.1	Ca_kabuli_chr07	11914252	AA	TT	1940395298
SNP_P1_136231_11914292	NC_021166.1	Ca_kabuli_chr07	11914292	CC	TT	1940395300
SNP_P1_136232_11916911	NC_021166.1	Ca_kabuli_chr07	11916911	CC	GG	1940395301
SNP_P1_136233_11916947	NC_021166.1	Ca_kabuli_chr07	11916947	CC	TT	1940395303
SNP_P1_136234_11916980	NC_021166.1	Ca_kabuli_chr07	11916980	AA	GG	1940395305
SNP_P1_136236_11918720	NC_021166.1	Ca_kabuli_chr07	11918720	CC	GG	1940395307
SNP_P1_136237_11918772	NC_021166.1	Ca_kabuli_chr07	11918772	TT	CC	1940395308
SNP_P1_136238_11922953	NC_021166.1	Ca_kabuli_chr07	11922953	AA	CC	1940395310
SNP_P1_136239_11922968	NC_021166.1	Ca_kabuli_chr07	11922968	AA	TT	1940395312
SNP_P1_136240_11923997	NC_021166.1	Ca_kabuli_chr07	11923997	GG	AA	1940395314
SNP_P1_136241_11924005	NC_021166.1	Ca_kabuli_chr07	11924005	TT	CC	1940395316
SNP_P1_136242_11924013	NC_021166.1	Ca_kabuli_chr07	11924013	GG	AA	1940395317
SNP_P1_136243_11925691	NC_021166.1	Ca_kabuli_chr07	11925691	GG	TT	1940395319
SNP_P1_136244_11925705	NC_021166.1	Ca_kabuli_chr07	11925705	TT	CC	1940395321
SNP_P1_136245_11925711	NC_021166.1	Ca_kabuli_chr07	11925711	GG	CC	1940395323
SNP_P1_136246_11925719	NC_021166.1	Ca_kabuli_chr07	11925719	AA	GG	1940395324
SNP_P1_136247_11925729	NC_021166.1	Ca_kabuli_chr07	11925729	AA	GG	1940395326
SNP_P1_136248_11926858	NC_021166.1	Ca_kabuli_chr07	11926858	GG	AA	1940395328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_136249_11926967	NC_021166.1	Ca_kabuli_chr07	11926967	AA	TT	1940395330
SNP_P1_136250_11927949	NC_021166.1	Ca_kabuli_chr07	11927949	TT	AA	1940395332
SNP_P1_136251_11928653	NC_021166.1	Ca_kabuli_chr07	11928653	GG	CC	1940395333
SNP_P1_136252_11929411	NC_021166.1	Ca_kabuli_chr07	11929411	GG	TT	1940395335
SNP_P1_136253_11929425	NC_021166.1	Ca_kabuli_chr07	11929425	CC	TT	1940395337
SNP_P1_136255_11929851	NC_021166.1	Ca_kabuli_chr07	11929851	AA	TT	1940395339
SNP_P1_136256_11930765	NC_021166.1	Ca_kabuli_chr07	11930765	AA	GG	1940395340
SNP_P1_136257_11931437	NC_021166.1	Ca_kabuli_chr07	11931437	GG	TT	1940395342
SNP_P1_136258_11932456	NC_021166.1	Ca_kabuli_chr07	11932456	CC	GG	1940395344
SNP_P1_136259_11933071	NC_021166.1	Ca_kabuli_chr07	11933071	TT	CC	1940395346
SNP_P1_136260_11936552	NC_021166.1	Ca_kabuli_chr07	11936552	AA	GG	1940395347
SNP_P1_136261_11936596	NC_021166.1	Ca_kabuli_chr07	11936596	AA	GG	1940395349
SNP_P1_136262_11936597	NC_021166.1	Ca_kabuli_chr07	11936597	TT	CC	1940395351
SNP_P1_136263_11936608	NC_021166.1	Ca_kabuli_chr07	11936608	AA	GG	1940395353
SNP_P1_136264_11936627	NC_021166.1	Ca_kabuli_chr07	11936627	TT	CC	1940395354
SNP_P1_136265_11936824	NC_021166.1	Ca_kabuli_chr07	11936824	AA	GG	1940395356
SNP_P1_136266_11936843	NC_021166.1	Ca_kabuli_chr07	11936843	AA	GG	1940395358
SNP_P1_136267_11937888	NC_021166.1	Ca_kabuli_chr07	11937888	AA	GG	1940395360
SNP_P1_136268_11938448	NC_021166.1	Ca_kabuli_chr07	11938448	TT	CC	1940395361
SNP_P1_136270_11938723	NC_021166.1	Ca_kabuli_chr07	11938723	TT	CC	1940395363
SNP_P1_136271_11939447	NC_021166.1	Ca_kabuli_chr07	11939447	GG	TT	1940395365
SNP_P1_136272_11940163	NC_021166.1	Ca_kabuli_chr07	11940163	GG	AA	1940395367
SNP_P1_136273_11940393	NC_021166.1	Ca_kabuli_chr07	11940393	CC	TT	1940395369
SNP_P1_136274_11940400	NC_021166.1	Ca_kabuli_chr07	11940400	GG	TT	1940395370
SNP_P1_136275_11940404	NC_021166.1	Ca_kabuli_chr07	11940404	CC	TT	1940395372
SNP_P1_136276_11940424	NC_021166.1	Ca_kabuli_chr07	11940424	AA	TT	1940395374
SNP_P1_136277_11940635	NC_021166.1	Ca_kabuli_chr07	11940635	TT	CC	1940395376
SNP_P1_136278_11940652	NC_021166.1	Ca_kabuli_chr07	11940652	CC	TT	1940395377
SNP_P1_136279_11940662	NC_021166.1	Ca_kabuli_chr07	11940662	AA	CC	1940395379
SNP_P1_136280_11940663	NC_021166.1	Ca_kabuli_chr07	11940663	GG	TT	1940395381
SNP_P1_136281_11940671	NC_021166.1	Ca_kabuli_chr07	11940671	TT	CC	1940395383
SNP_P1_136282_11940723	NC_021166.1	Ca_kabuli_chr07	11940723	CC	TT	1940395384
SNP_P1_136283_11940902	NC_021166.1	Ca_kabuli_chr07	11940902	TT	GG	1940395386
SNP_P1_136284_11940999	NC_021166.1	Ca_kabuli_chr07	11940999	TT	AA	1940395388
SNP_P1_136285_11941010	NC_021166.1	Ca_kabuli_chr07	11941010	CC	TT	1940395390
SNP_P1_136286_11943706	NC_021166.1	Ca_kabuli_chr07	11943706	AA	GG	1940395391
SNP_P1_136287_11944104	NC_021166.1	Ca_kabuli_chr07	11944104	AA	TT	1940395393
SNP_P1_136288_11944690	NC_021166.1	Ca_kabuli_chr07	11944690	AA	GG	1940395395
SNP_P1_136289_11945123	NC_021166.1	Ca_kabuli_chr07	11945123	AA	GG	1940395397
SNP_P1_136290_11946682	NC_021166.1	Ca_kabuli_chr07	11946682	CC	TT	1940395399
SNP_P1_136291_11946850	NC_021166.1	Ca_kabuli_chr07	11946850	CC	GG	1940395400
SNP_P1_136292_11948778	NC_021166.1	Ca_kabuli_chr07	11948778	GG	AA	1940395402

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136294_11949249	NC_021166.1	Ca_kabuli_chr07	11949249	GG	TT	1940395406
SNP_P1_136295_11949593	NC_021166.1	Ca_kabuli_chr07	11949593	CC	GG	1940395408
SNP_P1_136296_11950047	NC_021166.1	Ca_kabuli_chr07	11950047	TT	GG	1940395409
SNP_P1_136297_11950319	NC_021166.1	Ca_kabuli_chr07	11950319	TT	CC	1940395411
SNP_P1_136298_11950323	NC_021166.1	Ca_kabuli_chr07	11950323	CC	GG	1940395413
SNP_P1_136299_11950421	NC_021166.1	Ca_kabuli_chr07	11950421	CC	AA	1940395415
SNP_P1_136300_11950430	NC_021166.1	Ca_kabuli_chr07	11950430	AA	CC	1940395416
SNP_P1_136301_11954216	NC_021166.1	Ca_kabuli_chr07	11954216	TT	GG	1940395418
SNP_P1_136302_11954230	NC_021166.1	Ca_kabuli_chr07	11954230	TT	AA	1940395420
SNP_P1_136303_11954487	NC_021166.1	Ca_kabuli_chr07	11954487	CC	TT	1940395422
SNP_P1_136304_11954758	NC_021166.1	Ca_kabuli_chr07	11954758	AA	GG	1940395423
SNP_P1_136305_11954777	NC_021166.1	Ca_kabuli_chr07	11954777	AA	GG	1940395425
SNP_P1_136306_11954808	NC_021166.1	Ca_kabuli_chr07	11954808	AA	CC	1940395427
SNP_P1_136307_11954886	NC_021166.1	Ca_kabuli_chr07	11954886	AA	CC	1940395429
SNP_P1_136308_11954948	NC_021166.1	Ca_kabuli_chr07	11954948	GG	CC	1940395430
SNP_P1_136310_11955044	NC_021166.1	Ca_kabuli_chr07	11955044	AA	GG	1940395432
SNP_P1_136311_11955201	NC_021166.1	Ca_kabuli_chr07	11955201	GG	AA	1940395434
SNP_P1_136312_11955205	NC_021166.1	Ca_kabuli_chr07	11955205	GG	AA	1940395436
SNP_P1_136313_11956358	NC_021166.1	Ca_kabuli_chr07	11956358	GG	AA	1940395437
SNP_P1_136314_11956385	NC_021166.1	Ca_kabuli_chr07	11956385	AA	GG	1940395439
SNP_P1_136316_11957089	NC_021166.1	Ca_kabuli_chr07	11957089	AA	GG	1940395441
SNP_P1_136317_11957122	NC_021166.1	Ca_kabuli_chr07	11957122	TT	CC	1940395443
SNP_P1_136318_11957131	NC_021166.1	Ca_kabuli_chr07	11957131	TT	CC	1940395445
SNP_P1_136320_11957779	NC_021166.1	Ca_kabuli_chr07	11957779	CC	TT	1940395446
SNP_P1_136321_11957783	NC_021166.1	Ca_kabuli_chr07	11957783	TT	AA	1940395448
SNP_P1_136322_11958516	NC_021166.1	Ca_kabuli_chr07	11958516	GG	AA	1940395450
SNP_P1_136323_11959704	NC_021166.1	Ca_kabuli_chr07	11959704	GG	CC	1940395452
SNP_P1_136324_11960247	NC_021166.1	Ca_kabuli_chr07	11960247	AA	TT	1940395453
SNP_P1_136325_11960263	NC_021166.1	Ca_kabuli_chr07	11960263	TT	CC	1940395455
SNP_P1_136326_11960347	NC_021166.1	Ca_kabuli_chr07	11960347	AA	GG	1940395457
SNP_P1_136327_11960369	NC_021166.1	Ca_kabuli_chr07	11960369	AA	GG	1940395459
SNP_P1_136328_11960560	NC_021166.1	Ca_kabuli_chr07	11960560	AA	TT	1940395461
SNP_P1_136331_11961219	NC_021166.1	Ca_kabuli_chr07	11961219	AA	TT	1940395462
SNP_P1_136332_11961298	NC_021166.1	Ca_kabuli_chr07	11961298	AA	CC	1940395464
SNP_P1_136334_11961730	NC_021166.1	Ca_kabuli_chr07	11961730	TT	GG	1940395466
SNP_P1_136336_11962439	NC_021166.1	Ca_kabuli_chr07	11962439	TT	AA	1940395468
SNP_P1_136337_11962532	NC_021166.1	Ca_kabuli_chr07	11962532	AA	CC	1940395469
SNP_P1_136338_11962763	NC_021166.1	Ca_kabuli_chr07	11962763	GG	AA	1940395471
SNP_P1_136340_11962788	NC_021166.1	Ca_kabuli_chr07	11962788	GG	CC	1940395473
SNP_P1_136341_11962842	NC_021166.1	Ca_kabuli_chr07	11962842	CC	TT	1940395475
SNP_P1_136342_11963259	NC_021166.1	Ca_kabuli_chr07	11963259	CC	TT	1940395477

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_136343_11963448	NC_021166.1	Ca_kabuli_chr07	11963448	AA	TT	1940395478
SNP_P1_136344_11963467	NC_021166.1	Ca_kabuli_chr07	11963467	CC	GG	1940395480
SNP_P1_136345_11964252	NC_021166.1	Ca_kabuli_chr07	11964252	GG	AA	1940395482
SNP_P1_136346_11964267	NC_021166.1	Ca_kabuli_chr07	11964267	AA	GG	1940395484
SNP_P1_136347_11964367	NC_021166.1	Ca_kabuli_chr07	11964367	AA	GG	1940395486
SNP_P1_136348_11964554	NC_021166.1	Ca_kabuli_chr07	11964554	GG	AA	1940395487
SNP_P1_136350_11964635	NC_021166.1	Ca_kabuli_chr07	11964635	AA	TT	1940395489
SNP_P1_136351_11964637	NC_021166.1	Ca_kabuli_chr07	11964637	CC	TT	1940395491
SNP_P1_136352_11964652	NC_021166.1	Ca_kabuli_chr07	11964652	GG	TT	1940395493
SNP_P1_136353_11964678	NC_021166.1	Ca_kabuli_chr07	11964678	CC	AA	1940395494
SNP_P1_136354_11964688	NC_021166.1	Ca_kabuli_chr07	11964688	AA	TT	1940395496
SNP_P1_136355_11964697	NC_021166.1	Ca_kabuli_chr07	11964697	GG	CC	1940395498
SNP_P1_136357_11964940	NC_021166.1	Ca_kabuli_chr07	11964940	GG	TT	1940395500
SNP_P1_136358_11965397	NC_021166.1	Ca_kabuli_chr07	11965397	GG	TT	1940395502
SNP_P1_136359_11966371	NC_021166.1	Ca_kabuli_chr07	11966371	AA	GG	1940395503
SNP_P1_136360_11966374	NC_021166.1	Ca_kabuli_chr07	11966374	AA	GG	1940395505
SNP_P1_136361_11966380	NC_021166.1	Ca_kabuli_chr07	11966380	TT	CC	1940395507
SNP_P1_136362_11966547	NC_021166.1	Ca_kabuli_chr07	11966547	CC	AA	1940395509
SNP_P1_136363_11966578	NC_021166.1	Ca_kabuli_chr07	11966578	TT	AA	1940395510
SNP_P1_136364_11966603	NC_021166.1	Ca_kabuli_chr07	11966603	AA	GG	1940395512
SNP_P1_136365_11967123	NC_021166.1	Ca_kabuli_chr07	11967123	TT	CC	1940395514
SNP_P1_136366_11967130	NC_021166.1	Ca_kabuli_chr07	11967130	AA	GG	1940395516
SNP_P1_136367_11967575	NC_021166.1	Ca_kabuli_chr07	11967575	AA	GG	1940395518
SNP_P1_136368_11967599	NC_021166.1	Ca_kabuli_chr07	11967599	AA	GG	1940395519
SNP_P1_136369_11967901	NC_021166.1	Ca_kabuli_chr07	11967901	GG	AA	1940395521
SNP_P1_136370_11967903	NC_021166.1	Ca_kabuli_chr07	11967903	GG	AA	1940395523
SNP_P1_136371_11968084	NC_021166.1	Ca_kabuli_chr07	11968084	AA	CC	1940395525
SNP_P1_136372_11968096	NC_021166.1	Ca_kabuli_chr07	11968096	AA	TT	1940395526
SNP_P1_136373_11968412	NC_021166.1	Ca_kabuli_chr07	11968412	TT	CC	1940395528
SNP_P1_136374_11968702	NC_021166.1	Ca_kabuli_chr07	11968702	TT	CC	1940395530
SNP_P1_136375_11969024	NC_021166.1	Ca_kabuli_chr07	11969024	GG	TT	1940395532
SNP_P1_136376_11969149	NC_021166.1	Ca_kabuli_chr07	11969149	AA	TT	1940395534
SNP_P1_136377_11969153	NC_021166.1	Ca_kabuli_chr07	11969153	GG	AA	1940395535
SNP_P1_136378_11969177	NC_021166.1	Ca_kabuli_chr07	11969177	TT	AA	1940395537
SNP_P1_136379_11969185	NC_021166.1	Ca_kabuli_chr07	11969185	AA	TT	1940395539
SNP_P1_136380_11969254	NC_021166.1	Ca_kabuli_chr07	11969254	CC	TT	1940395541
SNP_P1_136381_11969256	NC_021166.1	Ca_kabuli_chr07	11969256	AA	TT	1940395542
SNP_P1_136382_11969330	NC_021166.1	Ca_kabuli_chr07	11969330	AA	GG	1940395544
SNP_P1_136383_11969384	NC_021166.1	Ca_kabuli_chr07	11969384	TT	CC	1940395546
SNP_P1_136384_11969431	NC_021166.1	Ca_kabuli_chr07	11969431	AA	GG	1940395548
SNP_P1_136385_11970219	NC_021166.1	Ca_kabuli_chr07	11970219	CC	TT	1940395550
SNP_P1_136386_11970553	NC_021166.1	Ca_kabuli_chr07	11970553	CC	GG	1940395551

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136389_11971510	NC_021166.1	Ca_kabuli_chr07	11971510	GG	TT	1940395555
SNP_P1_136390_11971530	NC_021166.1	Ca_kabuli_chr07	11971530	TT	CC	1940395557
SNP_P1_136391_11972989	NC_021166.1	Ca_kabuli_chr07	11972989	TT	AA	1940395559
SNP_P1_136392_11973352	NC_021166.1	Ca_kabuli_chr07	11973352	AA	TT	1940395560
SNP_P1_136393_11973655	NC_021166.1	Ca_kabuli_chr07	11973655	AA	GG	1940395562
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SNP_P1_136395_11973669	NC_021166.1	Ca_kabuli_chr07	11973669	CC	TT	1940395566
SNP_P1_136397_11974792	NC_021166.1	Ca_kabuli_chr07	11974792	TT	AA	1940395567
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SNP_P1_136399_11975003	NC_021166.1	Ca_kabuli_chr07	11975003	CC	AA	1940395571
SNP_P1_136400_11975240	NC_021166.1	Ca_kabuli_chr07	11975240	CC	TT	1940395573
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SNP_P1_136403_11976369	NC_021166.1	Ca_kabuli_chr07	11976369	AA	CC	1940395578
SNP_P1_136404_11976665	NC_021166.1	Ca_kabuli_chr07	11976665	AA	GG	1940395580
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SNP_P1_136410_11977718	NC_021166.1	Ca_kabuli_chr07	11977718	TT	CC	1940395590
SNP_P1_136411_11977756	NC_021166.1	Ca_kabuli_chr07	11977756	CC	TT	1940395592
SNP_P1_136412_11978023	NC_021166.1	Ca_kabuli_chr07	11978023	GG	TT	1940395594
SNP_P1_136413_11978029	NC_021166.1	Ca_kabuli_chr07	11978029	AA	CC	1940395596
SNP_P1_136414_11978851	NC_021166.1	Ca_kabuli_chr07	11978851	TT	CC	1940395598
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SNP_P1_136417_11978984	NC_021166.1	Ca_kabuli_chr07	11978984	AA	GG	1940395601
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SNP_P1_136424_11981385	NC_021166.1	Ca_kabuli_chr07	11981385	GG	TT	1940395608
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SNP_P1_136427_11985061	NC_021166.1	Ca_kabuli_chr07	11985061	TT	AA	1940395614
SNP_P1_136428_11987703	NC_021166.1	Ca_kabuli_chr07	11987703	GG	AA	1940395615
SNP_P1_136429_11987771	NC_021166.1	Ca_kabuli_chr07	11987771	TT	CC	1940395617
SNP_P1_136430_11987834	NC_021166.1	Ca_kabuli_chr07	11987834	AA	GG	1940395619
SNP_P1_136432_11988135	NC_021166.1	Ca_kabuli_chr07	11988135	TT	GG	1940395621
SNP_P1_136433_11988171	NC_021166.1	Ca_kabuli_chr07	11988171	GG	CC	1940395623
SNP_P1_136434_11988195	NC_021166.1	Ca_kabuli_chr07	11988195	CC	TT	1940395624
SNP_P1_136435_11988217	NC_021166.1	Ca_kabuli_chr07	11988217	TT	GG	1940395626

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136438_11988519	NC_021166.1	Ca_kabuli_chr07	11988519	CC	TT	1940395631
SNP_P1_136439_11988548	NC_021166.1	Ca_kabuli_chr07	11988548	TT	AA	1940395633
SNP_P1_136440_11988577	NC_021166.1	Ca_kabuli_chr07	11988577	AA	TT	1940395635
SNP_P1_136444_11991361	NC_021166.1	Ca_kabuli_chr07	11991361	GG	AA	1940395637
SNP_P1_136445_12002126	NC_021166.1	Ca_kabuli_chr07	12002126	AA	CC	1940395639
SNP_P1_136446_12002254	NC_021166.1	Ca_kabuli_chr07	12002254	TT	GG	1940395640
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SNP_P1_136450_12002799	NC_021166.1	Ca_kabuli_chr07	12002799	TT	AA	1940395647
SNP_P1_136451_12002843	NC_021166.1	Ca_kabuli_chr07	12002843	CC	TT	1940395649
SNP_P1_136452_12002857	NC_021166.1	Ca_kabuli_chr07	12002857	CC	TT	1940395651
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SNP_P1_136461_12006980	NC_021166.1	Ca_kabuli_chr07	12006980	GG	AA	1940395665
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SNP_P1_136469_12016266	NC_021166.1	Ca_kabuli_chr07	12016266	GG	CC	1940395680
SNP_P1_136471_12016437	NC_021166.1	Ca_kabuli_chr07	12016437	CC	AA	1940395681
SNP_P1_136473_12016483	NC_021166.1	Ca_kabuli_chr07	12016483	CC	TT	1940395683
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SNP_P1_136475_12016950	NC_021166.1	Ca_kabuli_chr07	12016950	TT	CC	1940395687
SNP_P1_136476_12016957	NC_021166.1	Ca_kabuli_chr07	12016957	TT	CC	1940395688
SNP_P1_136477_12016962	NC_021166.1	Ca_kabuli_chr07	12016962	TT	CC	1940395690
SNP_P1_136478_12016985	NC_021166.1	Ca_kabuli_chr07	12016985	TT	CC	1940395692
SNP_P1_136479_12016987	NC_021166.1	Ca_kabuli_chr07	12016987	CC	TT	1940395694
SNP_P1_136480_12017236	NC_021166.1	Ca_kabuli_chr07	12017236	AA	GG	1940395696
SNP_P1_136481_12017241	NC_021166.1	Ca_kabuli_chr07	12017241	CC	GG	1940395697
SNP_P1_136482_12017257	NC_021166.1	Ca_kabuli_chr07	12017257	GG	AA	1940395699
SNP_P1_136483_12017297	NC_021166.1	Ca_kabuli_chr07	12017297	CC	AA	1940395701

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136489_12023691	NC_021166.1	Ca_kabuli_chr07	12023691	TT	CC	1940395706
SNP_P1_136490_12023839	NC_021166.1	Ca_kabuli_chr07	12023839	AA	GG	1940395708
SNP_P1_136491_12024260	NC_021166.1	Ca_kabuli_chr07	12024260	TT	CC	1940395710
SNP_P1_136492_12024280	NC_021166.1	Ca_kabuli_chr07	12024280	GG	AA	1940395712
SNP_P1_136493_12024320	NC_021166.1	Ca_kabuli_chr07	12024320	AA	GG	1940395713
SNP_P1_136494_12024322	NC_021166.1	Ca_kabuli_chr07	12024322	TT	CC	1940395715
SNP_P1_136496_12024582	NC_021166.1	Ca_kabuli_chr07	12024582	TT	AA	1940395717
SNP_P1_136497_12024600	NC_021166.1	Ca_kabuli_chr07	12024600	CC	AA	1940395719
SNP_P1_136500_12025551	NC_021166.1	Ca_kabuli_chr07	12025551	TT	AA	1940395721
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SNP_P1_136503_12026759	NC_021166.1	Ca_kabuli_chr07	12026759	TT	CC	1940395726
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SNP_P1_136507_12027095	NC_021166.1	Ca_kabuli_chr07	12027095	GG	AA	1940395731
SNP_P1_136508_12027097	NC_021166.1	Ca_kabuli_chr07	12027097	CC	TT	1940395733
SNP_P1_136509_12027159	NC_021166.1	Ca_kabuli_chr07	12027159	GG	AA	1940395735
SNP_P1_136510_12027209	NC_021166.1	Ca_kabuli_chr07	12027209	GG	TT	1940395737
SNP_P1_136511_12027217	NC_021166.1	Ca_kabuli_chr07	12027217	AA	CC	1940395738
SNP_P1_136512_12027225	NC_021166.1	Ca_kabuli_chr07	12027225	AA	CC	1940395740
SNP_P1_136513_12029112	NC_021166.1	Ca_kabuli_chr07	12029112	CC	TT	1940395742
SNP_P1_136515_12029220	NC_021166.1	Ca_kabuli_chr07	12029220	AA	TT	1940395744
SNP_P1_136516_12029474	NC_021166.1	Ca_kabuli_chr07	12029474	CC	TT	1940395745
SNP_P1_136517_12029500	NC_021166.1	Ca_kabuli_chr07	12029500	TT	CC	1940395747
SNP_P1_136519_12033202	NC_021166.1	Ca_kabuli_chr07	12033202	TT	CC	1940395749
SNP_P1_136520_12033569	NC_021166.1	Ca_kabuli_chr07	12033569	GG	AA	1940395751
SNP_P1_136521_12033623	NC_021166.1	Ca_kabuli_chr07	12033623	AA	TT	1940395753
SNP_P1_136522_12033913	NC_021166.1	Ca_kabuli_chr07	12033913	GG	CC	1940395754
SNP_P1_136523_12033963	NC_021166.1	Ca_kabuli_chr07	12033963	TT	CC	1940395756
SNP_P1_136524_12033975	NC_021166.1	Ca_kabuli_chr07	12033975	TT	CC	1940395758
SNP_P1_136525_12033992	NC_021166.1	Ca_kabuli_chr07	12033992	GG	AA	1940395760
SNP_P1_136526_12033999	NC_021166.1	Ca_kabuli_chr07	12033999	AA	TT	1940395762
SNP_P1_136527_12034001	NC_021166.1	Ca_kabuli_chr07	12034001	AA	TT	1940395763
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SNP_P1_136532_12034291	NC_021166.1	Ca_kabuli_chr07	12034291	AA	GG	1940395772
SNP_P1_136533_12034296	NC_021166.1	Ca_kabuli_chr07	12034296	AA	GG	1940395774
SNP_P1_136534_12034330	NC_021166.1	Ca_kabuli_chr07	12034330	TT	CC	1940395776

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136537_12035302	NC_021166.1	Ca_kabuli_chr07	12035302	TT	CC	1940395781
SNP_P1_136538_12035336	NC_021166.1	Ca_kabuli_chr07	12035336	AA	GG	1940395783
SNP_P1_136539_12035456	NC_021166.1	Ca_kabuli_chr07	12035456	TT	GG	1940395785
SNP_P1_136540_12036403	NC_021166.1	Ca_kabuli_chr07	12036403	CC	GG	1940395786
SNP_P1_136541_12036405	NC_021166.1	Ca_kabuli_chr07	12036405	AA	GG	1940395788
SNP_P1_136542_12037285	NC_021166.1	Ca_kabuli_chr07	12037285	AA	GG	1940395790
SNP_P1_136543_12037823	NC_021166.1	Ca_kabuli_chr07	12037823	GG	TT	1940395792
SNP_P1_136544_12038540	NC_021166.1	Ca_kabuli_chr07	12038540	AA	GG	1940395794
SNP_P1_136545_12041567	NC_021166.1	Ca_kabuli_chr07	12041567	AA	TT	1940395795
SNP_P1_136546_12041595	NC_021166.1	Ca_kabuli_chr07	12041595	AA	TT	1940395797
SNP_P1_136547_12041626	NC_021166.1	Ca_kabuli_chr07	12041626	CC	TT	1940395799
SNP_P1_136548_12041651	NC_021166.1	Ca_kabuli_chr07	12041651	CC	AA	1940395801
SNP_P1_136550_12042082	NC_021166.1	Ca_kabuli_chr07	12042082	AA	TT	1940395803
SNP_P1_136551_12042717	NC_021166.1	Ca_kabuli_chr07	12042717	CC	AA	1940395804
SNP_P1_136552_12042851	NC_021166.1	Ca_kabuli_chr07	12042851	GG	AA	1940395806
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SNP_P1_136560_12044416	NC_021166.1	Ca_kabuli_chr07	12044416	GG	CC	1940395817
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SNP_P1_136568_12047972	NC_021166.1	Ca_kabuli_chr07	12047972	GG	AA	1940395831
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SNP_P1_136578_12055075	NC_021166.1	Ca_kabuli_chr07	12055075	GG	AA	1940395847
SNP_P1_136579_12057044	NC_021166.1	Ca_kabuli_chr07	12057044	CC	GG	1940395849
SNP_P1_136580_12057058	NC_021166.1	Ca_kabuli_chr07	12057058	AA	TT	1940395851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136584_12057919	NC_021166.1	Ca_kabuli_chr07	12057919	AA	GG	1940395858
SNP_P1_136585_12058091	NC_021166.1	Ca_kabuli_chr07	12058091	GG	TT	1940395860
SNP_P1_136587_12058213	NC_021166.1	Ca_kabuli_chr07	12058213	TT	CC	1940395861
SNP_P1_136589_12058330	NC_021166.1	Ca_kabuli_chr07	12058330	AA	GG	1940395863
SNP_P1_136590_12058599	NC_021166.1	Ca_kabuli_chr07	12058599	CC	AA	1940395865
SNP_P1_136591_12058973	NC_021166.1	Ca_kabuli_chr07	12058973	GG	AA	1940395867
SNP_P1_136592_12059221	NC_021166.1	Ca_kabuli_chr07	12059221	CC	TT	1940395868
SNP_P1_136593_12059328	NC_021166.1	Ca_kabuli_chr07	12059328	AA	GG	1940395870
SNP_P1_136594_12059534	NC_021166.1	Ca_kabuli_chr07	12059534	CC	GG	1940395872
SNP_P1_136595_12059560	NC_021166.1	Ca_kabuli_chr07	12059560	CC	GG	1940395874
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SNP_P1_136597_12059704	NC_021166.1	Ca_kabuli_chr07	12059704	GG	AA	1940395877
SNP_P1_136598_12060084	NC_021166.1	Ca_kabuli_chr07	12060084	AA	GG	1940395879
SNP_P1_136599_12060106	NC_021166.1	Ca_kabuli_chr07	12060106	CC	TT	1940395881
SNP_P1_136600_12060225	NC_021166.1	Ca_kabuli_chr07	12060225	AA	CC	1940395883
SNP_P1_136601_12060313	NC_021166.1	Ca_kabuli_chr07	12060313	CC	TT	1940395885
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SNP_P1_136603_12063364	NC_021166.1	Ca_kabuli_chr07	12063364	AA	TT	1940395888
SNP_P1_136604_12064128	NC_021166.1	Ca_kabuli_chr07	12064128	TT	GG	1940395890
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SNP_P1_136610_12069838	NC_021166.1	Ca_kabuli_chr07	12069838	CC	GG	1940395897
SNP_P1_136611_12070217	NC_021166.1	Ca_kabuli_chr07	12070217	GG	AA	1940395899
SNP_P1_136612_12071265	NC_021166.1	Ca_kabuli_chr07	12071265	GG	TT	1940395901
SNP_P1_136613_12074467	NC_021166.1	Ca_kabuli_chr07	12074467	AA	CC	1940395902
SNP_P1_136614_12075414	NC_021166.1	Ca_kabuli_chr07	12075414	AA	GG	1940395904
SNP_P1_136615_12078318	NC_021166.1	Ca_kabuli_chr07	12078318	AA	CC	1940395906
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SNP_P1_136617_12082115	NC_021166.1	Ca_kabuli_chr07	12082115	CC	GG	1940395909
SNP_P1_136618_12082474	NC_021166.1	Ca_kabuli_chr07	12082474	CC	GG	1940395911
SNP_P1_136619_12083058	NC_021166.1	Ca_kabuli_chr07	12083058	GG	AA	1940395913
SNP_P1_136621_12083328	NC_021166.1	Ca_kabuli_chr07	12083328	AA	TT	1940395915
SNP_P1_136622_12083332	NC_021166.1	Ca_kabuli_chr07	12083332	TT	CC	1940395917
SNP_P1_136623_12083361	NC_021166.1	Ca_kabuli_chr07	12083361	CC	TT	1940395918
SNP_P1_136624_12083369	NC_021166.1	Ca_kabuli_chr07	12083369	CC	TT	1940395920
SNP_P1_136625_12083583	NC_021166.1	Ca_kabuli_chr07	12083583	AA	GG	1940395922
SNP_P1_136626_12083590	NC_021166.1	Ca_kabuli_chr07	12083590	AA	GG	1940395924
SNP_P1_136627_12083738	NC_021166.1	Ca_kabuli_chr07	12083738	GG	AA	1940395926

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136630_12084898	NC_021166.1	Ca_kabuli_chr07	12084898	GG	AA	1940395931
SNP_P1_136631_12084920	NC_021166.1	Ca_kabuli_chr07	12084920	TT	CC	1940395933
SNP_P1_136632_12084949	NC_021166.1	Ca_kabuli_chr07	12084949	GG	AA	1940395934
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SNP_P1_136640_12086072	NC_021166.1	Ca_kabuli_chr07	12086072	GG	AA	1940395945
SNP_P1_136641_12086087	NC_021166.1	Ca_kabuli_chr07	12086087	TT	CC	1940395947
SNP_P1_136642_12087252	NC_021166.1	Ca_kabuli_chr07	12087252	AA	GG	1940395949
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SNP_P1_136652_12089419	NC_021166.1	Ca_kabuli_chr07	12089419	GG	AA	1940395965
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SNP_P1_136661_12090754	NC_021166.1	Ca_kabuli_chr07	12090754	AA	GG	1940395981
SNP_P1_136662_12090962	NC_021166.1	Ca_kabuli_chr07	12090962	CC	TT	1940395983
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SNP_P1_136667_12091515	NC_021166.1	Ca_kabuli_chr07	12091515	CC	GG	1940395992
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SNP_P1_136669_12092227	NC_021166.1	Ca_kabuli_chr07	12092227	AA	CC	1940395995
SNP_P1_136671_12092481	NC_021166.1	Ca_kabuli_chr07	12092481	CC	TT	1940395997
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136676_12092536	NC_021166.1	Ca_kabuli_chr07	12092536	TT	CC	1940396006
SNP_P1_136678_12092752	NC_021166.1	Ca_kabuli_chr07	12092752	CC	TT	1940396008
SNP_P1_136679_12092826	NC_021166.1	Ca_kabuli_chr07	12092826	GG	AA	1940396009
SNP_P1_136680_12093370	NC_021166.1	Ca_kabuli_chr07	12093370	CC	TT	1940396011
SNP_P1_136681_12093538	NC_021166.1	Ca_kabuli_chr07	12093538	TT	AA	1940396013
SNP_P1_136682_12093756	NC_021166.1	Ca_kabuli_chr07	12093756	TT	CC	1940396015
SNP_P1_136683_12093765	NC_021166.1	Ca_kabuli_chr07	12093765	CC	TT	1940396017
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SNP_P1_136685_12094856	NC_021166.1	Ca_kabuli_chr07	12094856	TT	CC	1940396020
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SNP_P1_136703_12097535	NC_021166.1	Ca_kabuli_chr07	12097535	TT	GG	1940396049
SNP_P1_136705_12099314	NC_021166.1	Ca_kabuli_chr07	12099314	CC	AA	1940396050
SNP_P1_136706_12100175	NC_021166.1	Ca_kabuli_chr07	12100175	CC	AA	1940396052
SNP_P1_136707_12100176	NC_021166.1	Ca_kabuli_chr07	12100176	AA	GG	1940396054
SNP_P1_136708_12100490	NC_021166.1	Ca_kabuli_chr07	12100490	TT	CC	1940396056
SNP_P1_136709_12100570	NC_021166.1	Ca_kabuli_chr07	12100570	CC	AA	1940396058
SNP_P1_136710_12101158	NC_021166.1	Ca_kabuli_chr07	12101158	AA	CC	1940396059
SNP_P1_136711_12101385	NC_021166.1	Ca_kabuli_chr07	12101385	TT	GG	1940396061
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SNP_P1_136714_12103954	NC_021166.1	Ca_kabuli_chr07	12103954	CC	TT	1940396065
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SNP_P1_136717_12104370	NC_021166.1	Ca_kabuli_chr07	12104370	AA	GG	1940396070
SNP_P1_136718_12104392	NC_021166.1	Ca_kabuli_chr07	12104392	CC	TT	1940396072
SNP_P1_136719_12104453	NC_021166.1	Ca_kabuli_chr07	12104453	TT	CC	1940396074
SNP_P1_136720_12104778	NC_021166.1	Ca_kabuli_chr07	12104778	CC	TT	1940396075

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136723_12105212	NC_021166.1	Ca_kabuli_chr07	12105212	TT	CC	1940396081
SNP_P1_136725_12105464	NC_021166.1	Ca_kabuli_chr07	12105464	TT	GG	1940396083
SNP_P1_136727_12105540	NC_021166.1	Ca_kabuli_chr07	12105540	CC	TT	1940396084
SNP_P1_136728_12105541	NC_021166.1	Ca_kabuli_chr07	12105541	AA	CC	1940396086
SNP_P1_136729_12105542	NC_021166.1	Ca_kabuli_chr07	12105542	AA	GG	1940396088
SNP_P1_136730_12105583	NC_021166.1	Ca_kabuli_chr07	12105583	TT	AA	1940396090
SNP_P1_136731_12105602	NC_021166.1	Ca_kabuli_chr07	12105602	CC	TT	1940396091
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SNP_P1_136734_12105903	NC_021166.1	Ca_kabuli_chr07	12105903	CC	TT	1940396097
SNP_P1_136735_12105913	NC_021166.1	Ca_kabuli_chr07	12105913	CC	TT	1940396099
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SNP_P1_136737_12105971	NC_021166.1	Ca_kabuli_chr07	12105971	TT	AA	1940396102
SNP_P1_136738_12105980	NC_021166.1	Ca_kabuli_chr07	12105980	GG	AA	1940396104
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SNP_P1_136740_12106800	NC_021166.1	Ca_kabuli_chr07	12106800	TT	CC	1940396107
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SNP_P1_136745_12108949	NC_021166.1	Ca_kabuli_chr07	12108949	AA	GG	1940396115
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SNP_P1_136758_12116222	NC_021166.1	Ca_kabuli_chr07	12116222	TT	CC	1940396131
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SNP_P1_136760_12117466	NC_021166.1	Ca_kabuli_chr07	12117466	CC	TT	1940396134
SNP_P1_136761_12117865	NC_021166.1	Ca_kabuli_chr07	12117865	CC	AA	1940396136
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SNP_P1_136768_12126049	NC_021166.1	Ca_kabuli_chr07	12126049	AA	GG	1940396145
SNP_P1_136769_12129529	NC_021166.1	Ca_kabuli_chr07	12129529	GG	AA	1940396147
SNP_P1_136770_12129530	NC_021166.1	Ca_kabuli_chr07	12129530	CC	GG	1940396148
SNP_P1_136771_12129569	NC_021166.1	Ca_kabuli_chr07	12129569	AA	GG	1940396150

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136775_12130053	NC_021166.1	Ca_kabuli_chr07	12130053	TT	AA	1940396157
SNP_P1_136776_12130321	NC_021166.1	Ca_kabuli_chr07	12130321	GG	CC	1940396159
SNP_P1_136777_12130350	NC_021166.1	Ca_kabuli_chr07	12130350	TT	CC	1940396161
SNP_P1_136778_12130381	NC_021166.1	Ca_kabuli_chr07	12130381	AA	GG	1940396163
SNP_P1_136779_12130554	NC_021166.1	Ca_kabuli_chr07	12130554	GG	AA	1940396164
SNP_P1_136780_12130769	NC_021166.1	Ca_kabuli_chr07	12130769	AA	TT	1940396166
SNP_P1_136781_12130809	NC_021166.1	Ca_kabuli_chr07	12130809	TT	GG	1940396168
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SNP_P1_136783_12130827	NC_021166.1	Ca_kabuli_chr07	12130827	GG	AA	1940396172
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SNP_P1_136785_12133591	NC_021166.1	Ca_kabuli_chr07	12133591	CC	TT	1940396175
SNP_P1_136786_12133844	NC_021166.1	Ca_kabuli_chr07	12133844	AA	TT	1940396177
SNP_P1_136787_12134318	NC_021166.1	Ca_kabuli_chr07	12134318	AA	GG	1940396179
SNP_P1_136788_12135105	NC_021166.1	Ca_kabuli_chr07	12135105	GG	CC	1940396181
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SNP_P1_136796_12136754	NC_021166.1	Ca_kabuli_chr07	12136754	GG	TT	1940396191
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SNP_P1_136803_12138470	NC_021166.1	Ca_kabuli_chr07	12138470	AA	CC	1940396198
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SNP_P1_136808_12139270	NC_021166.1	Ca_kabuli_chr07	12139270	CC	GG	1940396205
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SNP_P1_136818_12141929	NC_021166.1	Ca_kabuli_chr07	12141929	CC	TT	1940396223
SNP_P1_136819_12141991	NC_021166.1	Ca_kabuli_chr07	12141991	AA	GG	1940396225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136822_12142101	NC_021166.1	Ca_kabuli_chr07	12142101	AA	GG	1940396230
SNP_P1_136823_12142106	NC_021166.1	Ca_kabuli_chr07	12142106	CC	TT	1940396232
SNP_P1_136825_12142225	NC_021166.1	Ca_kabuli_chr07	12142225	TT	GG	1940396234
SNP_P1_136826_12142450	NC_021166.1	Ca_kabuli_chr07	12142450	CC	TT	1940396236
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SNP_P1_136829_12142513	NC_021166.1	Ca_kabuli_chr07	12142513	TT	CC	1940396239
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SNP_P1_136865_12150802	NC_021166.1	Ca_kabuli_chr07	12150802	GG	AA	1940396295
SNP_P1_136866_12150807	NC_021166.1	Ca_kabuli_chr07	12150807	GG	AA	1940396296
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SNP_P1_136868_12152675	NC_021166.1	Ca_kabuli_chr07	12152675	TT	CC	1940396300

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136871_12154280	NC_021166.1	Ca_kabuli_chr07	12154280	CC	TT	1940396305
SNP_P1_136872_12154722	NC_021166.1	Ca_kabuli_chr07	12154722	GG	AA	1940396307
SNP_P1_136873_12154740	NC_021166.1	Ca_kabuli_chr07	12154740	TT	CC	1940396309
SNP_P1_136874_12154933	NC_021166.1	Ca_kabuli_chr07	12154933	TT	CC	1940396311
SNP_P1_136875_12154934	NC_021166.1	Ca_kabuli_chr07	12154934	CC	TT	1940396312
SNP_P1_136876_12154935	NC_021166.1	Ca_kabuli_chr07	12154935	CC	AA	1940396314
SNP_P1_136877_12154950	NC_021166.1	Ca_kabuli_chr07	12154950	CC	AA	1940396316
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SNP_P1_136880_12155120	NC_021166.1	Ca_kabuli_chr07	12155120	TT	AA	1940396319
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SNP_P1_136904_12168008	NC_021166.1	Ca_kabuli_chr07	12168008	GG	AA	1940396357
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SNP_P1_136906_12169268	NC_021166.1	Ca_kabuli_chr07	12169268	TT	GG	1940396361
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SNP_P1_136910_12172832	NC_021166.1	Ca_kabuli_chr07	12172832	AA	TT	1940396368
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SNP_P1_136912_12173156	NC_021166.1	Ca_kabuli_chr07	12173156	GG	AA	1940396371
SNP_P1_136913_12173349	NC_021166.1	Ca_kabuli_chr07	12173349	AA	GG	1940396373
SNP_P1_136914_12173367	NC_021166.1	Ca_kabuli_chr07	12173367	TT	AA	1940396375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136917_12174947	NC_021166.1	Ca_kabuli_chr07	12174947	TT	CC	1940396380
SNP_P1_136918_12175125	NC_021166.1	Ca_kabuli_chr07	12175125	TT	CC	1940396382
SNP_P1_136919_12186426	NC_021166.1	Ca_kabuli_chr07	12186426	TT	CC	1940396384
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SNP_P1_136921_12187467	NC_021166.1	Ca_kabuli_chr07	12187467	GG	AA	1940396387
SNP_P1_136922_12187482	NC_021166.1	Ca_kabuli_chr07	12187482	GG	CC	1940396389
SNP_P1_136923_12189104	NC_021166.1	Ca_kabuli_chr07	12189104	GG	AA	1940396391
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SNP_P1_136960_12201530	NC_021166.1	Ca_kabuli_chr07	12201530	AA	TT	1940396450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_136964_12202509	NC_021166.1	Ca_kabuli_chr07	12202509	CC	TT	1940396457
SNP_P1_136965_12202521	NC_021166.1	Ca_kabuli_chr07	12202521	TT	AA	1940396459
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SNP_P1_136969_12203245	NC_021166.1	Ca_kabuli_chr07	12203245	TT	GG	1940396466
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SNP_P1_136989_12207386	NC_021166.1	Ca_kabuli_chr07	12207386	GG	AA	1940396501
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SNP_P1_136997_12211360	NC_021166.1	Ca_kabuli_chr07	12211360	TT	CC	1940396514
SNP_P1_136998_12211465	NC_021166.1	Ca_kabuli_chr07	12211465	AA	TT	1940396516
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SNP_P1_137000_12211507	NC_021166.1	Ca_kabuli_chr07	12211507	TT	CC	1940396519
SNP_P1_137003_12212940	NC_021166.1	Ca_kabuli_chr07	12212940	TT	CC	1940396521
SNP_P1_137006_12213371	NC_021166.1	Ca_kabuli_chr07	12213371	AA	TT	1940396523
SNP_P1_137007_12213464	NC_021166.1	Ca_kabuli_chr07	12213464	GG	CC	1940396524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137010_12214612	NC_021166.1	Ca_kabuli_chr07	12214612	AA	GG	1940396530
SNP_P1_137011_12214811	NC_021166.1	Ca_kabuli_chr07	12214811	GG	CC	1940396532
SNP_P1_137012_12214881	NC_021166.1	Ca_kabuli_chr07	12214881	CC	AA	1940396533
SNP_P1_137013_12215482	NC_021166.1	Ca_kabuli_chr07	12215482	CC	GG	1940396535
SNP_P1_137014_12215792	NC_021166.1	Ca_kabuli_chr07	12215792	AA	TT	1940396537
SNP_P1_137015_12216003	NC_021166.1	Ca_kabuli_chr07	12216003	GG	AA	1940396539
SNP_P1_137016_12216192	NC_021166.1	Ca_kabuli_chr07	12216192	CC	AA	1940396541
SNP_P1_137017_12216663	NC_021166.1	Ca_kabuli_chr07	12216663	CC	TT	1940396542
SNP_P1_137018_12216666	NC_021166.1	Ca_kabuli_chr07	12216666	GG	AA	1940396544
SNP_P1_137020_12216786	NC_021166.1	Ca_kabuli_chr07	12216786	CC	TT	1940396546
SNP_P1_137021_12216789	NC_021166.1	Ca_kabuli_chr07	12216789	AA	TT	1940396548
SNP_P1_137024_12224441	NC_021166.1	Ca_kabuli_chr07	12224441	GG	AA	1940396549
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SNP_P1_137030_12225648	NC_021166.1	Ca_kabuli_chr07	12225648	CC	GG	1940396558
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SNP_P1_137043_12228070	NC_021166.1	Ca_kabuli_chr07	12228070	AA	TT	1940396580
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SNP_P1_137046_12230081	NC_021166.1	Ca_kabuli_chr07	12230081	GG	TT	1940396585
SNP_P1_137047_12230082	NC_021166.1	Ca_kabuli_chr07	12230082	TT	AA	1940396587
SNP_P1_137048_12232026	NC_021166.1	Ca_kabuli_chr07	12232026	AA	TT	1940396589
SNP_P1_137049_12232057	NC_021166.1	Ca_kabuli_chr07	12232057	TT	CC	1940396590
SNP_P1_137050_12232086	NC_021166.1	Ca_kabuli_chr07	12232086	CC	GG	1940396592
SNP_P1_137051_12232094	NC_021166.1	Ca_kabuli_chr07	12232094	GG	CC	1940396594
SNP_P1_137052_12232122	NC_021166.1	Ca_kabuli_chr07	12232122	TT	CC	1940396596
SNP_P1_137053_12232353	NC_021166.1	Ca_kabuli_chr07	12232353	TT	AA	1940396598
SNP_P1_137054_12232355	NC_021166.1	Ca_kabuli_chr07	12232355	AA	TT	1940396599

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137057_12234413	NC_021166.1	Ca_kabuli_chr07	12234413	TT	GG	1940396605
SNP_P1_137058_12234493	NC_021166.1	Ca_kabuli_chr07	12234493	CC	AA	1940396606
SNP_P1_137060_12234648	NC_021166.1	Ca_kabuli_chr07	12234648	GG	AA	1940396608
SNP_P1_137062_12235601	NC_021166.1	Ca_kabuli_chr07	12235601	GG	TT	1940396610
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SNP_P1_137064_12235667	NC_021166.1	Ca_kabuli_chr07	12235667	TT	AA	1940396614
SNP_P1_137065_12235965	NC_021166.1	Ca_kabuli_chr07	12235965	GG	TT	1940396615
SNP_P1_137066_12235977	NC_021166.1	Ca_kabuli_chr07	12235977	TT	AA	1940396617
SNP_P1_137067_12236740	NC_021166.1	Ca_kabuli_chr07	12236740	CC	TT	1940396619
SNP_P1_137068_12236757	NC_021166.1	Ca_kabuli_chr07	12236757	TT	CC	1940396621
SNP_P1_137069_12236777	NC_021166.1	Ca_kabuli_chr07	12236777	CC	TT	1940396623
SNP_P1_137070_12236978	NC_021166.1	Ca_kabuli_chr07	12236978	GG	AA	1940396624
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SNP_P1_137073_12239322	NC_021166.1	Ca_kabuli_chr07	12239322	CC	TT	1940396628
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SNP_P1_137075_12239876	NC_021166.1	Ca_kabuli_chr07	12239876	GG	AA	1940396631
SNP_P1_137076_12239881	NC_021166.1	Ca_kabuli_chr07	12239881	AA	GG	1940396633
SNP_P1_137077_12239903	NC_021166.1	Ca_kabuli_chr07	12239903	TT	CC	1940396635
SNP_P1_137078_12240293	NC_021166.1	Ca_kabuli_chr07	12240293	GG	AA	1940396637
SNP_P1_137079_12240295	NC_021166.1	Ca_kabuli_chr07	12240295	TT	CC	1940396639
SNP_P1_137080_12241110	NC_021166.1	Ca_kabuli_chr07	12241110	AA	GG	1940396640
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SNP_P1_137082_12241192	NC_021166.1	Ca_kabuli_chr07	12241192	TT	AA	1940396644
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SNP_P1_137085_12241929	NC_021166.1	Ca_kabuli_chr07	12241929	AA	GG	1940396647
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SNP_P1_137097_12251734	NC_021166.1	Ca_kabuli_chr07	12251734	TT	AA	1940396665
SNP_P1_137098_12251817	NC_021166.1	Ca_kabuli_chr07	12251817	TT	GG	1940396667
SNP_P1_137099_12253128	NC_021166.1	Ca_kabuli_chr07	12253128	GG	AA	1940396669
SNP_P1_137100_12253229	NC_021166.1	Ca_kabuli_chr07	12253229	AA	CC	1940396671
SNP_P1_137102_12256274	NC_021166.1	Ca_kabuli_chr07	12256274	CC	GG	1940396672
SNP_P1_137104_12256596	NC_021166.1	Ca_kabuli_chr07	12256596	AA	GG	1940396674

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137107_12256945	NC_021166.1	Ca_kabuli_chr07	12256945	TT	CC	1940396680
SNP_P1_137108_12256992	NC_021166.1	Ca_kabuli_chr07	12256992	AA	TT	1940396681
SNP_P1_137110_12257269	NC_021166.1	Ca_kabuli_chr07	12257269	TT	CC	1940396683
SNP_P1_137111_12257319	NC_021166.1	Ca_kabuli_chr07	12257319	GG	AA	1940396685
SNP_P1_137112_12257925	NC_021166.1	Ca_kabuli_chr07	12257925	CC	AA	1940396687
SNP_P1_137113_12257937	NC_021166.1	Ca_kabuli_chr07	12257937	AA	TT	1940396688
SNP_P1_137114_12257944	NC_021166.1	Ca_kabuli_chr07	12257944	CC	AA	1940396690
SNP_P1_137115_12257989	NC_021166.1	Ca_kabuli_chr07	12257989	AA	CC	1940396692
SNP_P1_137116_12257998	NC_021166.1	Ca_kabuli_chr07	12257998	TT	AA	1940396694
SNP_P1_137117_12258164	NC_021166.1	Ca_kabuli_chr07	12258164	CC	AA	1940396696
SNP_P1_137118_12258247	NC_021166.1	Ca_kabuli_chr07	12258247	TT	AA	1940396697
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SNP_P1_137137_12263621	NC_021166.1	Ca_kabuli_chr07	12263621	TT	CC	1940396728
SNP_P1_137138_12264913	NC_021166.1	Ca_kabuli_chr07	12264913	CC	AA	1940396729
SNP_P1_137139_12265294	NC_021166.1	Ca_kabuli_chr07	12265294	GG	AA	1940396731
SNP_P1_137141_12266678	NC_021166.1	Ca_kabuli_chr07	12266678	TT	CC	1940396733
SNP_P1_137143_12267800	NC_021166.1	Ca_kabuli_chr07	12267800	GG	AA	1940396735
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SNP_P1_137148_12269860	NC_021166.1	Ca_kabuli_chr07	12269860	CC	AA	1940396744
SNP_P1_137149_12269892	NC_021166.1	Ca_kabuli_chr07	12269892	GG	TT	1940396745
SNP_P1_137150_12270020	NC_021166.1	Ca_kabuli_chr07	12270020	CC	TT	1940396747
SNP_P1_137151_12270194	NC_021166.1	Ca_kabuli_chr07	12270194	GG	TT	1940396749

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137154_12270892	NC_021166.1	Ca_kabuli_chr07	12270892	TT	GG	1940396754
SNP_P1_137155_12271021	NC_021166.1	Ca_kabuli_chr07	12271021	AA	GG	1940396756
SNP_P1_137156_12271031	NC_021166.1	Ca_kabuli_chr07	12271031	CC	TT	1940396758
SNP_P1_137157_12271059	NC_021166.1	Ca_kabuli_chr07	12271059	CC	AA	1940396760
SNP_P1_137158_12271186	NC_021166.1	Ca_kabuli_chr07	12271186	CC	AA	1940396762
SNP_P1_137159_12271644	NC_021166.1	Ca_kabuli_chr07	12271644	CC	GG	1940396763
SNP_P1_137160_12271713	NC_021166.1	Ca_kabuli_chr07	12271713	CC	AA	1940396765
SNP_P1_137162_12272163	NC_021166.1	Ca_kabuli_chr07	12272163	GG	AA	1940396767
SNP_P1_137165_12273090	NC_021166.1	Ca_kabuli_chr07	12273090	GG	AA	1940396769
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SNP_P1_137167_12273678	NC_021166.1	Ca_kabuli_chr07	12273678	CC	TT	1940396772
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SNP_P1_137170_12274707	NC_021166.1	Ca_kabuli_chr07	12274707	GG	TT	1940396776
SNP_P1_137171_12276725	NC_021166.1	Ca_kabuli_chr07	12276725	GG	AA	1940396778
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SNP_P1_137173_12276735	NC_021166.1	Ca_kabuli_chr07	12276735	CC	AA	1940396781
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SNP_P1_137180_12280200	NC_021166.1	Ca_kabuli_chr07	12280200	AA	GG	1940396788
SNP_P1_137181_12280216	NC_021166.1	Ca_kabuli_chr07	12280216	CC	TT	1940396790
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SNP_P1_137189_12283602	NC_021166.1	Ca_kabuli_chr07	12283602	CC	TT	1940396803
SNP_P1_137190_12284814	NC_021166.1	Ca_kabuli_chr07	12284814	CC	TT	1940396804
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SNP_P1_137197_12286441	NC_021166.1	Ca_kabuli_chr07	12286441	TT	GG	1940396815
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SNP_P1_137199_12286580	NC_021166.1	Ca_kabuli_chr07	12286580	AA	GG	1940396819
SNP_P1_137200_12286600	NC_021166.1	Ca_kabuli_chr07	12286600	GG	TT	1940396820
SNP_P1_137201_12286870	NC_021166.1	Ca_kabuli_chr07	12286870	CC	AA	1940396822
SNP_P1_137203_12288533	NC_021166.1	Ca_kabuli_chr07	12288533	AA	CC	1940396824

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137205_12289732	NC_021166.1	Ca_kabuli_chr07	12289732	CC	TT	1940396828
SNP_P1_137206_12289974	NC_021166.1	Ca_kabuli_chr07	12289974	TT	CC	1940396829
SNP_P1_137207_12289981	NC_021166.1	Ca_kabuli_chr07	12289981	TT	CC	1940396831
SNP_P1_137208_12290021	NC_021166.1	Ca_kabuli_chr07	12290021	TT	CC	1940396833
SNP_P1_137209_12290046	NC_021166.1	Ca_kabuli_chr07	12290046	TT	GG	1940396835
SNP_P1_137210_12290062	NC_021166.1	Ca_kabuli_chr07	12290062	TT	GG	1940396836
SNP_P1_137211_12290078	NC_021166.1	Ca_kabuli_chr07	12290078	AA	GG	1940396838
SNP_P1_137212_12290089	NC_021166.1	Ca_kabuli_chr07	12290089	CC	TT	1940396840
SNP_P1_137213_12290386	NC_021166.1	Ca_kabuli_chr07	12290386	CC	TT	1940396842
SNP_P1_137214_12290445	NC_021166.1	Ca_kabuli_chr07	12290445	CC	TT	1940396844
SNP_P1_137215_12290627	NC_021166.1	Ca_kabuli_chr07	12290627	CC	TT	1940396845
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SNP_P1_137218_12291401	NC_021166.1	Ca_kabuli_chr07	12291401	GG	AA	1940396849
SNP_P1_137219_12291403	NC_021166.1	Ca_kabuli_chr07	12291403	CC	GG	1940396851
SNP_P1_137220_12291414	NC_021166.1	Ca_kabuli_chr07	12291414	TT	CC	1940396852
SNP_P1_137221_12291438	NC_021166.1	Ca_kabuli_chr07	12291438	CC	TT	1940396854
SNP_P1_137222_12291443	NC_021166.1	Ca_kabuli_chr07	12291443	TT	AA	1940396856
SNP_P1_137223_12291469	NC_021166.1	Ca_kabuli_chr07	12291469	TT	GG	1940396858
SNP_P1_137224_12291482	NC_021166.1	Ca_kabuli_chr07	12291482	AA	TT	1940396860
SNP_P1_137225_12292340	NC_021166.1	Ca_kabuli_chr07	12292340	GG	AA	1940396861
SNP_P1_137226_12292441	NC_021166.1	Ca_kabuli_chr07	12292441	AA	TT	1940396863
SNP_P1_137227_12293450	NC_021166.1	Ca_kabuli_chr07	12293450	GG	AA	1940396865
SNP_P1_137228_12293481	NC_021166.1	Ca_kabuli_chr07	12293481	GG	TT	1940396867
SNP_P1_137230_12293930	NC_021166.1	Ca_kabuli_chr07	12293930	GG	TT	1940396869
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SNP_P1_137233_12293987	NC_021166.1	Ca_kabuli_chr07	12293987	TT	CC	1940396874
SNP_P1_137234_12293990	NC_021166.1	Ca_kabuli_chr07	12293990	CC	AA	1940396876
SNP_P1_137235_12293999	NC_021166.1	Ca_kabuli_chr07	12293999	GG	AA	1940396877
SNP_P1_137236_12294004	NC_021166.1	Ca_kabuli_chr07	12294004	CC	TT	1940396879
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SNP_P1_137238_12296806	NC_021166.1	Ca_kabuli_chr07	12296806	TT	CC	1940396883
SNP_P1_137239_12297103	NC_021166.1	Ca_kabuli_chr07	12297103	AA	GG	1940396885
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SNP_P1_137242_12299319	NC_021166.1	Ca_kabuli_chr07	12299319	CC	GG	1940396890
SNP_P1_137244_12300526	NC_021166.1	Ca_kabuli_chr07	12300526	AA	GG	1940396892
SNP_P1_137245_12300531	NC_021166.1	Ca_kabuli_chr07	12300531	GG	AA	1940396893
SNP_P1_137246_12301374	NC_021166.1	Ca_kabuli_chr07	12301374	GG	CC	1940396895
SNP_P1_137247_12301966	NC_021166.1	Ca_kabuli_chr07	12301966	CC	AA	1940396897
SNP_P1_137248_12303190	NC_021166.1	Ca_kabuli_chr07	12303190	TT	CC	1940396899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137250_12304916	NC_021166.1	Ca_kabuli_chr07	12304916	CC	GG	1940396902
SNP_P1_137251_12304987	NC_021166.1	Ca_kabuli_chr07	12304987	AA	GG	1940396904
SNP_P1_137252_12305707	NC_021166.1	Ca_kabuli_chr07	12305707	GG	AA	1940396906
SNP_P1_137253_12305972	NC_021166.1	Ca_kabuli_chr07	12305972	AA	GG	1940396908
SNP_P1_137254_12306197	NC_021166.1	Ca_kabuli_chr07	12306197	AA	GG	1940396910
SNP_P1_137255_12306209	NC_021166.1	Ca_kabuli_chr07	12306209	AA	CC	1940396911
SNP_P1_137256_12306959	NC_021166.1	Ca_kabuli_chr07	12306959	GG	TT	1940396913
SNP_P1_137257_12306988	NC_021166.1	Ca_kabuli_chr07	12306988	TT	GG	1940396915
SNP_P1_137258_12307194	NC_021166.1	Ca_kabuli_chr07	12307194	TT	CC	1940396917
SNP_P1_137259_12307199	NC_021166.1	Ca_kabuli_chr07	12307199	AA	TT	1940396918
SNP_P1_137260_12307201	NC_021166.1	Ca_kabuli_chr07	12307201	AA	TT	1940396920
SNP_P1_137261_12307881	NC_021166.1	Ca_kabuli_chr07	12307881	AA	GG	1940396922
SNP_P1_137262_12307899	NC_021166.1	Ca_kabuli_chr07	12307899	AA	GG	1940396924
SNP_P1_137263_12307906	NC_021166.1	Ca_kabuli_chr07	12307906	GG	AA	1940396926
SNP_P1_137264_12307915	NC_021166.1	Ca_kabuli_chr07	12307915	CC	TT	1940396927
SNP_P1_137265_12308192	NC_021166.1	Ca_kabuli_chr07	12308192	TT	CC	1940396929
SNP_P1_137266_12308260	NC_021166.1	Ca_kabuli_chr07	12308260	CC	TT	1940396931
SNP_P1_137267_12308276	NC_021166.1	Ca_kabuli_chr07	12308276	GG	TT	1940396933
SNP_P1_137268_12308278	NC_021166.1	Ca_kabuli_chr07	12308278	CC	AA	1940396935
SNP_P1_137269_12308376	NC_021166.1	Ca_kabuli_chr07	12308376	TT	CC	1940396936
SNP_P1_137270_12308572	NC_021166.1	Ca_kabuli_chr07	12308572	TT	GG	1940396938
SNP_P1_137271_12308589	NC_021166.1	Ca_kabuli_chr07	12308589	AA	GG	1940396940
SNP_P1_137272_12308936	NC_021166.1	Ca_kabuli_chr07	12308936	AA	TT	1940396942
SNP_P1_137273_12308943	NC_021166.1	Ca_kabuli_chr07	12308943	CC	TT	1940396943
SNP_P1_137274_12309173	NC_021166.1	Ca_kabuli_chr07	12309173	AA	TT	1940396945
SNP_P1_137275_12309701	NC_021166.1	Ca_kabuli_chr07	12309701	TT	CC	1940396947
SNP_P1_137276_12309704	NC_021166.1	Ca_kabuli_chr07	12309704	TT	GG	1940396949
SNP_P1_137277_12310392	NC_021166.1	Ca_kabuli_chr07	12310392	AA	GG	1940396951
SNP_P1_137278_12310521	NC_021166.1	Ca_kabuli_chr07	12310521	CC	AA	1940396952
SNP_P1_137279_12310523	NC_021166.1	Ca_kabuli_chr07	12310523	AA	GG	1940396954
SNP_P1_137280_12310603	NC_021166.1	Ca_kabuli_chr07	12310603	GG	TT	1940396956
SNP_P1_137281_12310731	NC_021166.1	Ca_kabuli_chr07	12310731	GG	AA	1940396958
SNP_P1_137282_12310733	NC_021166.1	Ca_kabuli_chr07	12310733	AA	GG	1940396960
SNP_P1_137283_12310904	NC_021166.1	Ca_kabuli_chr07	12310904	TT	CC	1940396961
SNP_P1_137284_12311315	NC_021166.1	Ca_kabuli_chr07	12311315	GG	AA	1940396963
SNP_P1_137285_12311317	NC_021166.1	Ca_kabuli_chr07	12311317	CC	AA	1940396965
SNP_P1_137286_12311448	NC_021166.1	Ca_kabuli_chr07	12311448	CC	TT	1940396967
SNP_P1_137287_12311492	NC_021166.1	Ca_kabuli_chr07	12311492	GG	AA	1940396968
SNP_P1_137288_12311493	NC_021166.1	Ca_kabuli_chr07	12311493	AA	TT	1940396970
SNP_P1_137289_12311533	NC_021166.1	Ca_kabuli_chr07	12311533	GG	AA	1940396972
SNP_P1_137290_12311549	NC_021166.1	Ca_kabuli_chr07	12311549	CC	TT	1940396974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137292_12311671	NC_021166.1	Ca_kabuli_chr07	12311671	CC	TT	1940396977
SNP_P1_137295_12311810	NC_021166.1	Ca_kabuli_chr07	12311810	AA	CC	1940396979
SNP_P1_137296_12311909	NC_021166.1	Ca_kabuli_chr07	12311909	TT	AA	1940396981
SNP_P1_137297_12312030	NC_021166.1	Ca_kabuli_chr07	12312030	GG	AA	1940396983
SNP_P1_137298_12312053	NC_021166.1	Ca_kabuli_chr07	12312053	CC	GG	1940396985
SNP_P1_137299_12312073	NC_021166.1	Ca_kabuli_chr07	12312073	AA	GG	1940396986
SNP_P1_137300_12312085	NC_021166.1	Ca_kabuli_chr07	12312085	CC	TT	1940396988
SNP_P1_137302_12312531	NC_021166.1	Ca_kabuli_chr07	12312531	CC	GG	1940396990
SNP_P1_137303_12313460	NC_021166.1	Ca_kabuli_chr07	12313460	GG	AA	1940396992
SNP_P1_137304_12313481	NC_021166.1	Ca_kabuli_chr07	12313481	AA	CC	1940396993
SNP_P1_137305_12313496	NC_021166.1	Ca_kabuli_chr07	12313496	GG	AA	1940396995
SNP_P1_137306_12318917	NC_021166.1	Ca_kabuli_chr07	12318917	TT	AA	1940396997
SNP_P1_137308_12319277	NC_021166.1	Ca_kabuli_chr07	12319277	CC	TT	1940396999
SNP_P1_137309_12320225	NC_021166.1	Ca_kabuli_chr07	12320225	AA	CC	1940397001
SNP_P1_137310_12320740	NC_021166.1	Ca_kabuli_chr07	12320740	GG	AA	1940397002
SNP_P1_137311_12320849	NC_021166.1	Ca_kabuli_chr07	12320849	GG	TT	1940397004
SNP_P1_137312_12320884	NC_021166.1	Ca_kabuli_chr07	12320884	AA	TT	1940397006
SNP_P1_137313_12321022	NC_021166.1	Ca_kabuli_chr07	12321022	TT	CC	1940397008
SNP_P1_137315_12321388	NC_021166.1	Ca_kabuli_chr07	12321388	CC	TT	1940397010
SNP_P1_137316_12323244	NC_021166.1	Ca_kabuli_chr07	12323244	TT	GG	1940397011
SNP_P1_137317_12323265	NC_021166.1	Ca_kabuli_chr07	12323265	AA	TT	1940397013
SNP_P1_137318_12323456	NC_021166.1	Ca_kabuli_chr07	12323456	TT	CC	1940397015
SNP_P1_137319_12323568	NC_021166.1	Ca_kabuli_chr07	12323568	TT	GG	1940397017
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SNP_P1_137321_12323636	NC_021166.1	Ca_kabuli_chr07	12323636	TT	AA	1940397020
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SNP_P1_137323_12324760	NC_021166.1	Ca_kabuli_chr07	12324760	TT	AA	1940397024
SNP_P1_137324_12325486	NC_021166.1	Ca_kabuli_chr07	12325486	GG	AA	1940397026
SNP_P1_137325_12325511	NC_021166.1	Ca_kabuli_chr07	12325511	CC	TT	1940397027
SNP_P1_137326_12326824	NC_021166.1	Ca_kabuli_chr07	12326824	AA	GG	1940397029
SNP_P1_137327_12327782	NC_021166.1	Ca_kabuli_chr07	12327782	GG	TT	1940397031
SNP_P1_137328_12328290	NC_021166.1	Ca_kabuli_chr07	12328290	GG	AA	1940397033
SNP_P1_137330_12328563	NC_021166.1	Ca_kabuli_chr07	12328563	AA	GG	1940397034
SNP_P1_137331_12328717	NC_021166.1	Ca_kabuli_chr07	12328717	GG	CC	1940397036
SNP_P1_137332_12328728	NC_021166.1	Ca_kabuli_chr07	12328728	CC	TT	1940397038
SNP_P1_137333_12328743	NC_021166.1	Ca_kabuli_chr07	12328743	CC	TT	1940397040
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SNP_P1_137336_12328919	NC_021166.1	Ca_kabuli_chr07	12328919	AA	GG	1940397043
SNP_P1_137337_12328922	NC_021166.1	Ca_kabuli_chr07	12328922	TT	CC	1940397045
SNP_P1_137338_12328946	NC_021166.1	Ca_kabuli_chr07	12328946	TT	AA	1940397047
SNP_P1_137339_12328969	NC_021166.1	Ca_kabuli_chr07	12328969	CC	AA	1940397049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137341_12329031	NC_021166.1	Ca_kabuli_chr07	12329031	AA	GG	1940397052
SNP_P1_137342_12329045	NC_021166.1	Ca_kabuli_chr07	12329045	GG	AA	1940397054
SNP_P1_137343_12329079	NC_021166.1	Ca_kabuli_chr07	12329079	GG	TT	1940397056
SNP_P1_137344_12329087	NC_021166.1	Ca_kabuli_chr07	12329087	GG	AA	1940397058
SNP_P1_137345_12329102	NC_021166.1	Ca_kabuli_chr07	12329102	AA	GG	1940397059
SNP_P1_137346_12329104	NC_021166.1	Ca_kabuli_chr07	12329104	CC	TT	1940397061
SNP_P1_137347_12329413	NC_021166.1	Ca_kabuli_chr07	12329413	AA	GG	1940397063
SNP_P1_137348_12329458	NC_021166.1	Ca_kabuli_chr07	12329458	TT	CC	1940397065
SNP_P1_137350_12329484	NC_021166.1	Ca_kabuli_chr07	12329484	GG	AA	1940397067
SNP_P1_137352_12329741	NC_021166.1	Ca_kabuli_chr07	12329741	CC	TT	1940397068
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SNP_P1_137355_12330047	NC_021166.1	Ca_kabuli_chr07	12330047	TT	CC	1940397072
SNP_P1_137356_12330391	NC_021166.1	Ca_kabuli_chr07	12330391	GG	AA	1940397074
SNP_P1_137357_12330896	NC_021166.1	Ca_kabuli_chr07	12330896	GG	AA	1940397076
SNP_P1_137358_12330902	NC_021166.1	Ca_kabuli_chr07	12330902	AA	TT	1940397077
SNP_P1_137359_12330928	NC_021166.1	Ca_kabuli_chr07	12330928	AA	TT	1940397079
SNP_P1_137360_12331273	NC_021166.1	Ca_kabuli_chr07	12331273	TT	CC	1940397081
SNP_P1_137361_12331301	NC_021166.1	Ca_kabuli_chr07	12331301	CC	TT	1940397083
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SNP_P1_137363_12331454	NC_021166.1	Ca_kabuli_chr07	12331454	AA	GG	1940397086
SNP_P1_137364_12331458	NC_021166.1	Ca_kabuli_chr07	12331458	AA	GG	1940397088
SNP_P1_137366_12331720	NC_021166.1	Ca_kabuli_chr07	12331720	CC	TT	1940397090
SNP_P1_137368_12333731	NC_021166.1	Ca_kabuli_chr07	12333731	TT	AA	1940397092
SNP_P1_137369_12334307	NC_021166.1	Ca_kabuli_chr07	12334307	AA	GG	1940397093
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SNP_P1_137371_12336542	NC_021166.1	Ca_kabuli_chr07	12336542	TT	AA	1940397097
SNP_P1_137373_12338159	NC_021166.1	Ca_kabuli_chr07	12338159	GG	CC	1940397099
SNP_P1_137375_12340075	NC_021166.1	Ca_kabuli_chr07	12340075	TT	GG	1940397101
SNP_P1_137377_12341882	NC_021166.1	Ca_kabuli_chr07	12341882	CC	TT	1940397102
SNP_P1_137378_12342620	NC_021166.1	Ca_kabuli_chr07	12342620	TT	AA	1940397104
SNP_P1_137379_12342623	NC_021166.1	Ca_kabuli_chr07	12342623	TT	GG	1940397106
SNP_P1_137380_12342659	NC_021166.1	Ca_kabuli_chr07	12342659	TT	CC	1940397108
SNP_P1_137381_12343439	NC_021166.1	Ca_kabuli_chr07	12343439	AA	GG	1940397110
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SNP_P1_137387_12344600	NC_021166.1	Ca_kabuli_chr07	12344600	AA	GG	1940397118
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SNP_P1_137389_12344726	NC_021166.1	Ca_kabuli_chr07	12344726	GG	TT	1940397122
SNP_P1_137390_12344745	NC_021166.1	Ca_kabuli_chr07	12344745	AA	GG	1940397124

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137393_12344894	NC_021166.1	Ca_kabuli_chr07	12344894	AA	GG	1940397129
SNP_P1_137394_12344897	NC_021166.1	Ca_kabuli_chr07	12344897	CC	TT	1940397131
SNP_P1_137395_12345115	NC_021166.1	Ca_kabuli_chr07	12345115	TT	CC	1940397133
SNP_P1_137396_12345123	NC_021166.1	Ca_kabuli_chr07	12345123	AA	GG	1940397134
SNP_P1_137397_12345130	NC_021166.1	Ca_kabuli_chr07	12345130	GG	TT	1940397136
SNP_P1_137398_12345319	NC_021166.1	Ca_kabuli_chr07	12345319	AA	CC	1940397138
SNP_P1_137399_12345380	NC_021166.1	Ca_kabuli_chr07	12345380	AA	GG	1940397140
SNP_P1_137400_12345382	NC_021166.1	Ca_kabuli_chr07	12345382	AA	CC	1940397142
SNP_P1_137402_12345462	NC_021166.1	Ca_kabuli_chr07	12345462	GG	AA	1940397143
SNP_P1_137403_12346050	NC_021166.1	Ca_kabuli_chr07	12346050	AA	GG	1940397145
SNP_P1_137404_12346640	NC_021166.1	Ca_kabuli_chr07	12346640	TT	CC	1940397147
SNP_P1_137406_12347990	NC_021166.1	Ca_kabuli_chr07	12347990	CC	GG	1940397149
SNP_P1_137408_12348322	NC_021166.1	Ca_kabuli_chr07	12348322	TT	AA	1940397151
SNP_P1_137409_12348678	NC_021166.1	Ca_kabuli_chr07	12348678	GG	AA	1940397152
SNP_P1_137410_12356593	NC_021166.1	Ca_kabuli_chr07	12356593	AA	GG	1940397154
SNP_P1_137411_12356628	NC_021166.1	Ca_kabuli_chr07	12356628	GG	TT	1940397156
SNP_P1_137412_12356731	NC_021166.1	Ca_kabuli_chr07	12356731	CC	TT	1940397158
SNP_P1_137413_12356732	NC_021166.1	Ca_kabuli_chr07	12356732	CC	TT	1940397159
SNP_P1_137414_12356752	NC_021166.1	Ca_kabuli_chr07	12356752	TT	CC	1940397161
SNP_P1_137415_12356776	NC_021166.1	Ca_kabuli_chr07	12356776	TT	GG	1940397163
SNP_P1_137416_12357199	NC_021166.1	Ca_kabuli_chr07	12357199	GG	AA	1940397165
SNP_P1_137417_12357398	NC_021166.1	Ca_kabuli_chr07	12357398	TT	CC	1940397167
SNP_P1_137419_12357462	NC_021166.1	Ca_kabuli_chr07	12357462	TT	CC	1940397168
SNP_P1_137420_12357507	NC_021166.1	Ca_kabuli_chr07	12357507	GG	AA	1940397170
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SNP_P1_137422_12359094	NC_021166.1	Ca_kabuli_chr07	12359094	CC	TT	1940397174
SNP_P1_137423_12359137	NC_021166.1	Ca_kabuli_chr07	12359137	TT	AA	1940397176
SNP_P1_137424_12359138	NC_021166.1	Ca_kabuli_chr07	12359138	AA	TT	1940397177
SNP_P1_137426_12359384	NC_021166.1	Ca_kabuli_chr07	12359384	TT	AA	1940397179
SNP_P1_137427_12359391	NC_021166.1	Ca_kabuli_chr07	12359391	AA	TT	1940397181
SNP_P1_137428_12359410	NC_021166.1	Ca_kabuli_chr07	12359410	TT	AA	1940397183
SNP_P1_137429_12359543	NC_021166.1	Ca_kabuli_chr07	12359543	AA	GG	1940397184
SNP_P1_137430_12359698	NC_021166.1	Ca_kabuli_chr07	12359698	CC	TT	1940397186
SNP_P1_137431_12359967	NC_021166.1	Ca_kabuli_chr07	12359967	CC	GG	1940397188
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SNP_P1_137434_12361499	NC_021166.1	Ca_kabuli_chr07	12361499	TT	AA	1940397193
SNP_P1_137437_12362812	NC_021166.1	Ca_kabuli_chr07	12362812	AA	TT	1940397195
SNP_P1_137438_12363729	NC_021166.1	Ca_kabuli_chr07	12363729	GG	CC	1940397197
SNP_P1_137439_12364345	NC_021166.1	Ca_kabuli_chr07	12364345	GG	TT	1940397199

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137443_12365033	NC_021166.1	Ca_kabuli_chr07	12365033	TT	AA	1940397206
SNP_P1_137444_12365137	NC_021166.1	Ca_kabuli_chr07	12365137	CC	AA	1940397208
SNP_P1_137446_12366172	NC_021166.1	Ca_kabuli_chr07	12366172	CC	AA	1940397209
SNP_P1_137447_12366430	NC_021166.1	Ca_kabuli_chr07	12366430	AA	GG	1940397211
SNP_P1_137448_12366434	NC_021166.1	Ca_kabuli_chr07	12366434	GG	AA	1940397213
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SNP_P1_137451_12368354	NC_021166.1	Ca_kabuli_chr07	12368354	AA	TT	1940397218
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SNP_P1_137471_12381925	NC_021166.1	Ca_kabuli_chr07	12381925	AA	GG	1940397252
SNP_P1_137472_12382665	NC_021166.1	Ca_kabuli_chr07	12382665	CC	AA	1940397254
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SNP_P1_137482_12399533	NC_021166.1	Ca_kabuli_chr07	12399533	GG	AA	1940397272
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137487_12402993	NC_021166.1	Ca_kabuli_chr07	12402993	CC	TT	1940397279
SNP_P1_137488_12404409	NC_021166.1	Ca_kabuli_chr07	12404409	GG	AA	1940397281
SNP_P1_137489_12410024	NC_021166.1	Ca_kabuli_chr07	12410024	GG	AA	1940397283
SNP_P1_137490_12410027	NC_021166.1	Ca_kabuli_chr07	12410027	TT	CC	1940397284
SNP_P1_137491_12410394	NC_021166.1	Ca_kabuli_chr07	12410394	CC	TT	1940397286
SNP_P1_137492_12410531	NC_021166.1	Ca_kabuli_chr07	12410531	AA	GG	1940397288
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SNP_P1_137494_12410574	NC_021166.1	Ca_kabuli_chr07	12410574	AA	CC	1940397292
SNP_P1_137495_12410588	NC_021166.1	Ca_kabuli_chr07	12410588	AA	TT	1940397293
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SNP_P1_137501_12410835	NC_021166.1	Ca_kabuli_chr07	12410835	TT	CC	1940397304
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SNP_P1_137509_12412133	NC_021166.1	Ca_kabuli_chr07	12412133	TT	CC	1940397318
SNP_P1_137510_12412268	NC_021166.1	Ca_kabuli_chr07	12412268	AA	TT	1940397320
SNP_P1_137511_12412269	NC_021166.1	Ca_kabuli_chr07	12412269	TT	AA	1940397322
SNP_P1_137512_12412280	NC_021166.1	Ca_kabuli_chr07	12412280	TT	CC	1940397324
SNP_P1_137513_12412289	NC_021166.1	Ca_kabuli_chr07	12412289	AA	GG	1940397325
SNP_P1_137515_12412404	NC_021166.1	Ca_kabuli_chr07	12412404	CC	TT	1940397327
SNP_P1_137516_12412416	NC_021166.1	Ca_kabuli_chr07	12412416	TT	GG	1940397329
SNP_P1_137518_12412681	NC_021166.1	Ca_kabuli_chr07	12412681	TT	AA	1940397331
SNP_P1_137519_12412697	NC_021166.1	Ca_kabuli_chr07	12412697	CC	TT	1940397333
SNP_P1_137520_12414339	NC_021166.1	Ca_kabuli_chr07	12414339	CC	AA	1940397334
SNP_P1_137521_12414788	NC_021166.1	Ca_kabuli_chr07	12414788	AA	TT	1940397336
SNP_P1_137523_12420467	NC_021166.1	Ca_kabuli_chr07	12420467	GG	AA	1940397338
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SNP_P1_137528_12423509	NC_021166.1	Ca_kabuli_chr07	12423509	AA	GG	1940397345
SNP_P1_137529_12423557	NC_021166.1	Ca_kabuli_chr07	12423557	AA	CC	1940397347
SNP_P1_137530_12423559	NC_021166.1	Ca_kabuli_chr07	12423559	AA	CC	1940397349

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137534_12426732	NC_021166.1	Ca_kabuli_chr07	12426732	GG	AA	1940397356
SNP_P1_137535_12426736	NC_021166.1	Ca_kabuli_chr07	12426736	CC	TT	1940397358
SNP_P1_137536_12427086	NC_021166.1	Ca_kabuli_chr07	12427086	GG	TT	1940397359
SNP_P1_137537_12427091	NC_021166.1	Ca_kabuli_chr07	12427091	TT	CC	1940397361
SNP_P1_137538_12427373	NC_021166.1	Ca_kabuli_chr07	12427373	CC	TT	1940397363
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SNP_P1_137545_12429414	NC_021166.1	Ca_kabuli_chr07	12429414	CC	TT	1940397375
SNP_P1_137546_12430211	NC_021166.1	Ca_kabuli_chr07	12430211	TT	CC	1940397377
SNP_P1_137547_12431651	NC_021166.1	Ca_kabuli_chr07	12431651	CC	TT	1940397379
SNP_P1_137548_12431657	NC_021166.1	Ca_kabuli_chr07	12431657	AA	CC	1940397381
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SNP_P1_137565_12434619	NC_021166.1	Ca_kabuli_chr07	12434619	GG	AA	1940397408
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SNP_P1_137567_12434725	NC_021166.1	Ca_kabuli_chr07	12434725	AA	GG	1940397411
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SNP_P1_137573_12439268	NC_021166.1	Ca_kabuli_chr07	12439268	AA	GG	1940397422
SNP_P1_137574_12439473	NC_021166.1	Ca_kabuli_chr07	12439473	GG	AA	1940397424

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137578_12441603	NC_021166.1	Ca_kabuli_chr07	12441603	AA	GG	1940397431
SNP_P1_137579_12441688	NC_021166.1	Ca_kabuli_chr07	12441688	AA	GG	1940397433
SNP_P1_137581_12441798	NC_021166.1	Ca_kabuli_chr07	12441798	TT	GG	1940397434
SNP_P1_137582_12441843	NC_021166.1	Ca_kabuli_chr07	12441843	CC	GG	1940397436
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SNP_P1_137600_12446133	NC_021166.1	Ca_kabuli_chr07	12446133	TT	AA	1940397468
SNP_P1_137601_12446168	NC_021166.1	Ca_kabuli_chr07	12446168	AA	CC	1940397470
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SNP_P1_137603_12446369	NC_021166.1	Ca_kabuli_chr07	12446369	AA	TT	1940397474
SNP_P1_137604_12446385	NC_021166.1	Ca_kabuli_chr07	12446385	GG	AA	1940397475
SNP_P1_137605_12446397	NC_021166.1	Ca_kabuli_chr07	12446397	CC	TT	1940397477
SNP_P1_137606_12446404	NC_021166.1	Ca_kabuli_chr07	12446404	CC	TT	1940397479
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SNP_P1_137608_12446434	NC_021166.1	Ca_kabuli_chr07	12446434	AA	TT	1940397483
SNP_P1_137609_12446435	NC_021166.1	Ca_kabuli_chr07	12446435	AA	CC	1940397484
SNP_P1_137610_12446569	NC_021166.1	Ca_kabuli_chr07	12446569	TT	CC	1940397486
SNP_P1_137611_12446570	NC_021166.1	Ca_kabuli_chr07	12446570	AA	GG	1940397488
SNP_P1_137612_12447050	NC_021166.1	Ca_kabuli_chr07	12447050	TT	CC	1940397490
SNP_P1_137614_12448557	NC_021166.1	Ca_kabuli_chr07	12448557	GG	TT	1940397492
SNP_P1_137615_12448561	NC_021166.1	Ca_kabuli_chr07	12448561	AA	GG	1940397493
SNP_P1_137616_12448630	NC_021166.1	Ca_kabuli_chr07	12448630	CC	GG	1940397495
SNP_P1_137617_12448644	NC_021166.1	Ca_kabuli_chr07	12448644	CC	AA	1940397497
SNP_P1_137618_12449380	NC_021166.1	Ca_kabuli_chr07	12449380	TT	AA	1940397499

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137620_12449403	NC_021166.1	Ca_kabuli_chr07	12449403	TT	CC	1940397502
SNP_P1_137621_12449450	NC_021166.1	Ca_kabuli_chr07	12449450	CC	TT	1940397504
SNP_P1_137622_12449453	NC_021166.1	Ca_kabuli_chr07	12449453	AA	GG	1940397506
SNP_P1_137623_12449610	NC_021166.1	Ca_kabuli_chr07	12449610	TT	CC	1940397508
SNP_P1_137624_12449613	NC_021166.1	Ca_kabuli_chr07	12449613	TT	CC	1940397509
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SNP_P1_137626_12449685	NC_021166.1	Ca_kabuli_chr07	12449685	CC	GG	1940397513
SNP_P1_137627_12449689	NC_021166.1	Ca_kabuli_chr07	12449689	AA	GG	1940397515
SNP_P1_137628_12450065	NC_021166.1	Ca_kabuli_chr07	12450065	AA	GG	1940397517
SNP_P1_137629_12450087	NC_021166.1	Ca_kabuli_chr07	12450087	AA	GG	1940397518
SNP_P1_137630_12450290	NC_021166.1	Ca_kabuli_chr07	12450290	GG	AA	1940397520
SNP_P1_137632_12450346	NC_021166.1	Ca_kabuli_chr07	12450346	GG	CC	1940397522
SNP_P1_137633_12450365	NC_021166.1	Ca_kabuli_chr07	12450365	CC	TT	1940397524
SNP_P1_137634_12450665	NC_021166.1	Ca_kabuli_chr07	12450665	AA	GG	1940397525
SNP_P1_137635_12450733	NC_021166.1	Ca_kabuli_chr07	12450733	TT	CC	1940397527
SNP_P1_137636_12451509	NC_021166.1	Ca_kabuli_chr07	12451509	AA	GG	1940397529
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SNP_P1_137660_12459233	NC_021166.1	Ca_kabuli_chr07	12459233	GG	TT	1940397565
SNP_P1_137661_12459443	NC_021166.1	Ca_kabuli_chr07	12459443	GG	TT	1940397567
SNP_P1_137662_12459452	NC_021166.1	Ca_kabuli_chr07	12459452	AA	TT	1940397568
SNP_P1_137663_12459472	NC_021166.1	Ca_kabuli_chr07	12459472	GG	TT	1940397570
SNP_P1_137664_12459927	NC_021166.1	Ca_kabuli_chr07	12459927	TT	CC	1940397572
SNP_P1_137665_12459942	NC_021166.1	Ca_kabuli_chr07	12459942	CC	GG	1940397574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137668_12460204	NC_021166.1	Ca_kabuli_chr07	12460204	GG	TT	1940397579
SNP_P1_137669_12460222	NC_021166.1	Ca_kabuli_chr07	12460222	AA	GG	1940397581
SNP_P1_137670_12460228	NC_021166.1	Ca_kabuli_chr07	12460228	AA	GG	1940397583
SNP_P1_137672_12462645	NC_021166.1	Ca_kabuli_chr07	12462645	GG	AA	1940397584
SNP_P1_137673_12464725	NC_021166.1	Ca_kabuli_chr07	12464725	GG	AA	1940397586
SNP_P1_137674_12464925	NC_021166.1	Ca_kabuli_chr07	12464925	TT	CC	1940397588
SNP_P1_137675_12465261	NC_021166.1	Ca_kabuli_chr07	12465261	CC	TT	1940397590
SNP_P1_137676_12465273	NC_021166.1	Ca_kabuli_chr07	12465273	GG	AA	1940397591
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SNP_P1_137680_12465333	NC_021166.1	Ca_kabuli_chr07	12465333	CC	TT	1940397599
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SNP_P1_137685_12466261	NC_021166.1	Ca_kabuli_chr07	12466261	GG	AA	1940397606
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SNP_P1_137698_12470980	NC_021166.1	Ca_kabuli_chr07	12470980	TT	CC	1940397629
SNP_P1_137699_12471327	NC_021166.1	Ca_kabuli_chr07	12471327	TT	CC	1940397631
SNP_P1_137700_12473382	NC_021166.1	Ca_kabuli_chr07	12473382	AA	GG	1940397633
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SNP_P1_137705_12474203	NC_021166.1	Ca_kabuli_chr07	12474203	AA	GG	1940397641
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SNP_P1_137707_12474556	NC_021166.1	Ca_kabuli_chr07	12474556	GG	AA	1940397645
SNP_P1_137708_12475031	NC_021166.1	Ca_kabuli_chr07	12475031	AA	GG	1940397647
SNP_P1_137709_12475113	NC_021166.1	Ca_kabuli_chr07	12475113	GG	AA	1940397649

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137713_12478493	NC_021166.1	Ca_kabuli_chr07	12478493	CC	AA	1940397654
SNP_P1_137714_12478507	NC_021166.1	Ca_kabuli_chr07	12478507	AA	GG	1940397656
SNP_P1_137716_12479531	NC_021166.1	Ca_kabuli_chr07	12479531	CC	TT	1940397658
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SNP_P1_137718_12479555	NC_021166.1	Ca_kabuli_chr07	12479555	GG	AA	1940397661
SNP_P1_137719_12479556	NC_021166.1	Ca_kabuli_chr07	12479556	AA	GG	1940397663
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SNP_P1_137744_12487339	NC_021166.1	Ca_kabuli_chr07	12487339	GG	AA	1940397702
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SNP_P1_137746_12487613	NC_021166.1	Ca_kabuli_chr07	12487613	TT	CC	1940397706
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SNP_P1_137750_12487914	NC_021166.1	Ca_kabuli_chr07	12487914	TT	CC	1940397713
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SNP_P1_137753_12488268	NC_021166.1	Ca_kabuli_chr07	12488268	AA	TT	1940397718
SNP_P1_137754_12488303	NC_021166.1	Ca_kabuli_chr07	12488303	TT	AA	1940397720
SNP_P1_137755_12488315	NC_021166.1	Ca_kabuli_chr07	12488315	CC	GG	1940397722
SNP_P1_137756_12488367	NC_021166.1	Ca_kabuli_chr07	12488367	CC	AA	1940397724

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SNP_P1_137760_12488520	NC_021166.1	Ca_kabuli_chr07	12488520	GG	AA	1940397731
SNP_P1_137761_12488566	NC_021166.1	Ca_kabuli_chr07	12488566	AA	CC	1940397733
SNP_P1_137762_12488577	NC_021166.1	Ca_kabuli_chr07	12488577	AA	CC	1940397734
SNP_P1_137763_12488834	NC_021166.1	Ca_kabuli_chr07	12488834	TT	GG	1940397736
SNP_P1_137764_12488846	NC_021166.1	Ca_kabuli_chr07	12488846	AA	TT	1940397738
SNP_P1_137765_12488889	NC_021166.1	Ca_kabuli_chr07	12488889	CC	TT	1940397740
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SNP_P1_137772_12492256	NC_021166.1	Ca_kabuli_chr07	12492256	GG	AA	1940397750
SNP_P1_137773_12492416	NC_021166.1	Ca_kabuli_chr07	12492416	AA	GG	1940397752
SNP_P1_137774_12492633	NC_021166.1	Ca_kabuli_chr07	12492633	GG	AA	1940397754
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SNP_P1_137780_12493428	NC_021166.1	Ca_kabuli_chr07	12493428	AA	GG	1940397765
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SNP_P1_137783_12495679	NC_021166.1	Ca_kabuli_chr07	12495679	GG	TT	1940397768
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SNP_P1_137789_12496527	NC_021166.1	Ca_kabuli_chr07	12496527	AA	GG	1940397774
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SNP_P1_137791_12496670	NC_021166.1	Ca_kabuli_chr07	12496670	TT	AA	1940397777
SNP_P1_137792_12496909	NC_021166.1	Ca_kabuli_chr07	12496909	AA	GG	1940397779
SNP_P1_137793_12496946	NC_021166.1	Ca_kabuli_chr07	12496946	CC	AA	1940397781
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SNP_P1_137796_12497016	NC_021166.1	Ca_kabuli_chr07	12497016	CC	TT	1940397786
SNP_P1_137797_12497067	NC_021166.1	Ca_kabuli_chr07	12497067	GG	AA	1940397788
SNP_P1_137798_12497078	NC_021166.1	Ca_kabuli_chr07	12497078	AA	GG	1940397790
SNP_P1_137799_12497094	NC_021166.1	Ca_kabuli_chr07	12497094	CC	AA	1940397791
SNP_P1_137801_12497426	NC_021166.1	Ca_kabuli_chr07	12497426	TT	CC	1940397793
SNP_P1_137802_12497446	NC_021166.1	Ca_kabuli_chr07	12497446	TT	GG	1940397795
SNP_P1_137803_12497476	NC_021166.1	Ca_kabuli_chr07	12497476	AA	GG	1940397797
SNP_P1_137804_12497858	NC_021166.1	Ca_kabuli_chr07	12497858	CC	TT	1940397799

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137806_12497880	NC_021166.1	Ca_kabuli_chr07	12497880	GG	TT	1940397802
SNP_P1_137807_12497902	NC_021166.1	Ca_kabuli_chr07	12497902	AA	GG	1940397804
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SNP_P1_137809_12497938	NC_021166.1	Ca_kabuli_chr07	12497938	TT	CC	1940397808
SNP_P1_137810_12497987	NC_021166.1	Ca_kabuli_chr07	12497987	CC	TT	1940397809
SNP_P1_137811_12497997	NC_021166.1	Ca_kabuli_chr07	12497997	GG	AA	1940397811
SNP_P1_137812_12498006	NC_021166.1	Ca_kabuli_chr07	12498006	GG	CC	1940397813
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SNP_P1_137814_12498130	NC_021166.1	Ca_kabuli_chr07	12498130	TT	GG	1940397816
SNP_P1_137815_12498140	NC_021166.1	Ca_kabuli_chr07	12498140	AA	GG	1940397818
SNP_P1_137817_12501177	NC_021166.1	Ca_kabuli_chr07	12501177	AA	CC	1940397820
SNP_P1_137818_12501183	NC_021166.1	Ca_kabuli_chr07	12501183	GG	TT	1940397822
SNP_P1_137820_12502434	NC_021166.1	Ca_kabuli_chr07	12502434	TT	AA	1940397824
SNP_P1_137821_12502436	NC_021166.1	Ca_kabuli_chr07	12502436	TT	AA	1940397825
SNP_P1_137822_12502437	NC_021166.1	Ca_kabuli_chr07	12502437	AA	GG	1940397827
SNP_P1_137823_12502447	NC_021166.1	Ca_kabuli_chr07	12502447	GG	CC	1940397829
SNP_P1_137824_12502572	NC_021166.1	Ca_kabuli_chr07	12502572	TT	AA	1940397831
SNP_P1_137825_12502615	NC_021166.1	Ca_kabuli_chr07	12502615	GG	AA	1940397833
SNP_P1_137826_12502620	NC_021166.1	Ca_kabuli_chr07	12502620	AA	TT	1940397834
SNP_P1_137827_12502812	NC_021166.1	Ca_kabuli_chr07	12502812	GG	TT	1940397836
SNP_P1_137828_12502859	NC_021166.1	Ca_kabuli_chr07	12502859	TT	CC	1940397838
SNP_P1_137830_12503269	NC_021166.1	Ca_kabuli_chr07	12503269	TT	AA	1940397840
SNP_P1_137831_12503270	NC_021166.1	Ca_kabuli_chr07	12503270	GG	TT	1940397842
SNP_P1_137832_12504607	NC_021166.1	Ca_kabuli_chr07	12504607	AA	GG	1940397843
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SNP_P1_137838_12504931	NC_021166.1	Ca_kabuli_chr07	12504931	CC	TT	1940397852
SNP_P1_137839_12504935	NC_021166.1	Ca_kabuli_chr07	12504935	TT	CC	1940397854
SNP_P1_137840_12505001	NC_021166.1	Ca_kabuli_chr07	12505001	TT	CC	1940397856
SNP_P1_137841_12505061	NC_021166.1	Ca_kabuli_chr07	12505061	TT	GG	1940397858
SNP_P1_137842_12505073	NC_021166.1	Ca_kabuli_chr07	12505073	AA	CC	1940397859
SNP_P1_137843_12505109	NC_021166.1	Ca_kabuli_chr07	12505109	AA	GG	1940397861
SNP_P1_137844_12505158	NC_021166.1	Ca_kabuli_chr07	12505158	CC	TT	1940397863
SNP_P1_137845_12506147	NC_021166.1	Ca_kabuli_chr07	12506147	AA	GG	1940397865
SNP_P1_137846_12506190	NC_021166.1	Ca_kabuli_chr07	12506190	TT	CC	1940397866
SNP_P1_137847_12506253	NC_021166.1	Ca_kabuli_chr07	12506253	AA	GG	1940397868
SNP_P1_137849_12507156	NC_021166.1	Ca_kabuli_chr07	12507156	TT	GG	1940397870
SNP_P1_137850_12507777	NC_021166.1	Ca_kabuli_chr07	12507777	AA	GG	1940397872
SNP_P1_137852_12507867	NC_021166.1	Ca_kabuli_chr07	12507867	TT	CC	1940397874

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137854_12508160	NC_021166.1	Ca_kabuli_chr07	12508160	CC	GG	1940397877
SNP_P1_137855_12508169	NC_021166.1	Ca_kabuli_chr07	12508169	CC	TT	1940397879
SNP_P1_137857_12508705	NC_021166.1	Ca_kabuli_chr07	12508705	GG	CC	1940397881
SNP_P1_137858_12509102	NC_021166.1	Ca_kabuli_chr07	12509102	GG	AA	1940397883
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SNP_P1_137860_12509468	NC_021166.1	Ca_kabuli_chr07	12509468	AA	GG	1940397886
SNP_P1_137861_12509510	NC_021166.1	Ca_kabuli_chr07	12509510	GG	AA	1940397888
SNP_P1_137862_12509561	NC_021166.1	Ca_kabuli_chr07	12509561	AA	CC	1940397890
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SNP_P1_137865_12510475	NC_021166.1	Ca_kabuli_chr07	12510475	GG	AA	1940397893
SNP_P1_137866_12510881	NC_021166.1	Ca_kabuli_chr07	12510881	AA	GG	1940397895
SNP_P1_137867_12510889	NC_021166.1	Ca_kabuli_chr07	12510889	TT	GG	1940397897
SNP_P1_137868_12510915	NC_021166.1	Ca_kabuli_chr07	12510915	CC	TT	1940397899
SNP_P1_137869_12511351	NC_021166.1	Ca_kabuli_chr07	12511351	GG	CC	1940397900
SNP_P1_137870_12512247	NC_021166.1	Ca_kabuli_chr07	12512247	TT	CC	1940397902
SNP_P1_137871_12512402	NC_021166.1	Ca_kabuli_chr07	12512402	GG	AA	1940397904
SNP_P1_137872_12512428	NC_021166.1	Ca_kabuli_chr07	12512428	CC	TT	1940397906
SNP_P1_137873_12512626	NC_021166.1	Ca_kabuli_chr07	12512626	TT	CC	1940397908
SNP_P1_137874_12512813	NC_021166.1	Ca_kabuli_chr07	12512813	AA	TT	1940397909
SNP_P1_137875_12512829	NC_021166.1	Ca_kabuli_chr07	12512829	CC	AA	1940397911
SNP_P1_137876_12512865	NC_021166.1	Ca_kabuli_chr07	12512865	AA	GG	1940397913
SNP_P1_137877_12513108	NC_021166.1	Ca_kabuli_chr07	12513108	TT	GG	1940397915
SNP_P1_137878_12513112	NC_021166.1	Ca_kabuli_chr07	12513112	GG	TT	1940397917
SNP_P1_137879_12513166	NC_021166.1	Ca_kabuli_chr07	12513166	GG	AA	1940397918
SNP_P1_137880_12513407	NC_021166.1	Ca_kabuli_chr07	12513407	TT	GG	1940397920
SNP_P1_137881_12513594	NC_021166.1	Ca_kabuli_chr07	12513594	GG	AA	1940397922
SNP_P1_137882_12513613	NC_021166.1	Ca_kabuli_chr07	12513613	AA	GG	1940397924
SNP_P1_137883_12513617	NC_021166.1	Ca_kabuli_chr07	12513617	TT	AA	1940397925
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SNP_P1_137885_12513624	NC_021166.1	Ca_kabuli_chr07	12513624	AA	TT	1940397929
SNP_P1_137886_12513660	NC_021166.1	Ca_kabuli_chr07	12513660	CC	TT	1940397931
SNP_P1_137887_12513686	NC_021166.1	Ca_kabuli_chr07	12513686	AA	GG	1940397933
SNP_P1_137888_12513697	NC_021166.1	Ca_kabuli_chr07	12513697	GG	AA	1940397934
SNP_P1_137889_12513707	NC_021166.1	Ca_kabuli_chr07	12513707	TT	CC	1940397936
SNP_P1_137890_12513726	NC_021166.1	Ca_kabuli_chr07	12513726	AA	TT	1940397938
SNP_P1_137891_12513739	NC_021166.1	Ca_kabuli_chr07	12513739	CC	AA	1940397940
SNP_P1_137892_12516087	NC_021166.1	Ca_kabuli_chr07	12516087	TT	GG	1940397942
SNP_P1_137893_12516089	NC_021166.1	Ca_kabuli_chr07	12516089	GG	AA	1940397943
SNP_P1_137894_12516128	NC_021166.1	Ca_kabuli_chr07	12516128	TT	AA	1940397945
SNP_P1_137895_12517228	NC_021166.1	Ca_kabuli_chr07	12517228	GG	TT	1940397947
SNP_P1_137896_12517238	NC_021166.1	Ca_kabuli_chr07	12517238	GG	AA	1940397949

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137898_12517341	NC_021166.1	Ca_kabuli_chr07	12517341	GG	TT	1940397952
SNP_P1_137899_12517361	NC_021166.1	Ca_kabuli_chr07	12517361	CC	TT	1940397954
SNP_P1_137900_12517364	NC_021166.1	Ca_kabuli_chr07	12517364	CC	TT	1940397956
SNP_P1_137901_12517438	NC_021166.1	Ca_kabuli_chr07	12517438	AA	CC	1940397958
SNP_P1_137902_12517461	NC_021166.1	Ca_kabuli_chr07	12517461	TT	AA	1940397959
SNP_P1_137903_12517518	NC_021166.1	Ca_kabuli_chr07	12517518	AA	CC	1940397961
SNP_P1_137904_12517622	NC_021166.1	Ca_kabuli_chr07	12517622	GG	AA	1940397963
SNP_P1_137905_12517757	NC_021166.1	Ca_kabuli_chr07	12517757	TT	CC	1940397965
SNP_P1_137906_12517769	NC_021166.1	Ca_kabuli_chr07	12517769	AA	GG	1940397967
SNP_P1_137907_12518628	NC_021166.1	Ca_kabuli_chr07	12518628	CC	AA	1940397968
SNP_P1_137908_12518859	NC_021166.1	Ca_kabuli_chr07	12518859	AA	GG	1940397970
SNP_P1_137909_12519223	NC_021166.1	Ca_kabuli_chr07	12519223	GG	AA	1940397972
SNP_P1_137910_12519786	NC_021166.1	Ca_kabuli_chr07	12519786	GG	AA	1940397974
SNP_P1_137912_12520813	NC_021166.1	Ca_kabuli_chr07	12520813	TT	CC	1940397975
SNP_P1_137914_12521008	NC_021166.1	Ca_kabuli_chr07	12521008	CC	AA	1940397977
SNP_P1_137915_12521077	NC_021166.1	Ca_kabuli_chr07	12521077	AA	GG	1940397979
SNP_P1_137916_12521198	NC_021166.1	Ca_kabuli_chr07	12521198	GG	TT	1940397981
SNP_P1_137917_12521391	NC_021166.1	Ca_kabuli_chr07	12521391	AA	TT	1940397983
SNP_P1_137918_12521410	NC_021166.1	Ca_kabuli_chr07	12521410	GG	AA	1940397984
SNP_P1_137919_12521415	NC_021166.1	Ca_kabuli_chr07	12521415	GG	TT	1940397986
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SNP_P1_137921_12521443	NC_021166.1	Ca_kabuli_chr07	12521443	GG	AA	1940397990
SNP_P1_137922_12521530	NC_021166.1	Ca_kabuli_chr07	12521530	GG	AA	1940397992
SNP_P1_137923_12521549	NC_021166.1	Ca_kabuli_chr07	12521549	GG	CC	1940397993
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SNP_P1_137926_12522366	NC_021166.1	Ca_kabuli_chr07	12522366	GG	AA	1940397997
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SNP_P1_137930_12522694	NC_021166.1	Ca_kabuli_chr07	12522694	GG	CC	1940398000
SNP_P1_137931_12522916	NC_021166.1	Ca_kabuli_chr07	12522916	TT	CC	1940398002
SNP_P1_137932_12522931	NC_021166.1	Ca_kabuli_chr07	12522931	GG	CC	1940398004
SNP_P1_137933_12522940	NC_021166.1	Ca_kabuli_chr07	12522940	GG	AA	1940398006
SNP_P1_137934_12522942	NC_021166.1	Ca_kabuli_chr07	12522942	CC	TT	1940398008
SNP_P1_137935_12522960	NC_021166.1	Ca_kabuli_chr07	12522960	TT	CC	1940398009
SNP_P1_137936_12522991	NC_021166.1	Ca_kabuli_chr07	12522991	AA	GG	1940398011
SNP_P1_137937_12523008	NC_021166.1	Ca_kabuli_chr07	12523008	CC	TT	1940398013
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SNP_P1_137939_12523090	NC_021166.1	Ca_kabuli_chr07	12523090	GG	AA	1940398017
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SNP_P1_137942_12524112	NC_021166.1	Ca_kabuli_chr07	12524112	CC	TT	1940398020
SNP_P1_137943_12524149	NC_021166.1	Ca_kabuli_chr07	12524149	CC	TT	1940398022
SNP_P1_137944_12524371	NC_021166.1	Ca_kabuli_chr07	12524371	TT	CC	1940398024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137947_12527617	NC_021166.1	Ca_kabuli_chr07	12527617	TT	CC	1940398027
SNP_P1_137948_12527758	NC_021166.1	Ca_kabuli_chr07	12527758	AA	TT	1940398029
SNP_P1_137949_12527761	NC_021166.1	Ca_kabuli_chr07	12527761	CC	AA	1940398031
SNP_P1_137951_12529231	NC_021166.1	Ca_kabuli_chr07	12529231	AA	GG	1940398033
SNP_P1_137952_12531554	NC_021166.1	Ca_kabuli_chr07	12531554	CC	TT	1940398034
SNP_P1_137953_12532238	NC_021166.1	Ca_kabuli_chr07	12532238	AA	TT	1940398036
SNP_P1_137954_12532444	NC_021166.1	Ca_kabuli_chr07	12532444	CC	TT	1940398038
SNP_P1_137955_12533711	NC_021166.1	Ca_kabuli_chr07	12533711	GG	AA	1940398040
SNP_P1_137956_12534016	NC_021166.1	Ca_kabuli_chr07	12534016	AA	CC	1940398042
SNP_P1_137957_12535045	NC_021166.1	Ca_kabuli_chr07	12535045	GG	AA	1940398043
SNP_P1_137958_12535215	NC_021166.1	Ca_kabuli_chr07	12535215	TT	GG	1940398045
SNP_P1_137959_12539879	NC_021166.1	Ca_kabuli_chr07	12539879	AA	CC	1940398047
SNP_P1_137960_12539968	NC_021166.1	Ca_kabuli_chr07	12539968	TT	CC	1940398049
SNP_P1_137961_12540152	NC_021166.1	Ca_kabuli_chr07	12540152	TT	CC	1940398051
SNP_P1_137962_12542855	NC_021166.1	Ca_kabuli_chr07	12542855	TT	AA	1940398052
SNP_P1_137963_12543284	NC_021166.1	Ca_kabuli_chr07	12543284	AA	CC	1940398054
SNP_P1_137964_12543300	NC_021166.1	Ca_kabuli_chr07	12543300	TT	AA	1940398056
SNP_P1_137965_12544214	NC_021166.1	Ca_kabuli_chr07	12544214	AA	CC	1940398058
SNP_P1_137966_12544726	NC_021166.1	Ca_kabuli_chr07	12544726	TT	CC	1940398059
SNP_P1_137967_12545483	NC_021166.1	Ca_kabuli_chr07	12545483	CC	TT	1940398061
SNP_P1_137968_12545663	NC_021166.1	Ca_kabuli_chr07	12545663	CC	AA	1940398063
SNP_P1_137969_12545769	NC_021166.1	Ca_kabuli_chr07	12545769	CC	TT	1940398065
SNP_P1_137970_12546076	NC_021166.1	Ca_kabuli_chr07	12546076	TT	CC	1940398067
SNP_P1_137971_12547558	NC_021166.1	Ca_kabuli_chr07	12547558	CC	TT	1940398068
SNP_P1_137972_12547594	NC_021166.1	Ca_kabuli_chr07	12547594	CC	TT	1940398070
SNP_P1_137973_12548333	NC_021166.1	Ca_kabuli_chr07	12548333	CC	TT	1940398072
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SNP_P1_137975_12549213	NC_021166.1	Ca_kabuli_chr07	12549213	CC	GG	1940398076
SNP_P1_137977_12550057	NC_021166.1	Ca_kabuli_chr07	12550057	AA	TT	1940398077
SNP_P1_137979_12550921	NC_021166.1	Ca_kabuli_chr07	12550921	AA	GG	1940398079
SNP_P1_137980_12551267	NC_021166.1	Ca_kabuli_chr07	12551267	GG	AA	1940398081
SNP_P1_137981_12551441	NC_021166.1	Ca_kabuli_chr07	12551441	GG	TT	1940398083
SNP_P1_137982_12551692	NC_021166.1	Ca_kabuli_chr07	12551692	AA	GG	1940398084
SNP_P1_137983_12551701	NC_021166.1	Ca_kabuli_chr07	12551701	TT	GG	1940398086
SNP_P1_137984_12551865	NC_021166.1	Ca_kabuli_chr07	12551865	GG	TT	1940398088
SNP_P1_137985_12553795	NC_021166.1	Ca_kabuli_chr07	12553795	CC	GG	1940398090
SNP_P1_137986_12553843	NC_021166.1	Ca_kabuli_chr07	12553843	TT	AA	1940398092
SNP_P1_137987_12554082	NC_021166.1	Ca_kabuli_chr07	12554082	TT	CC	1940398093
SNP_P1_137988_12555919	NC_021166.1	Ca_kabuli_chr07	12555919	CC	TT	1940398095
SNP_P1_137989_12557418	NC_021166.1	Ca_kabuli_chr07	12557418	GG	AA	1940398097
SNP_P1_137990_12557433	NC_021166.1	Ca_kabuli_chr07	12557433	GG	AA	1940398099

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_137994_12557811	NC_021166.1	Ca_kabuli_chr07	12557811	AA	TT	1940398104
SNP_P1_137995_12558134	NC_021166.1	Ca_kabuli_chr07	12558134	AA	GG	1940398106
SNP_P1_137996_12558529	NC_021166.1	Ca_kabuli_chr07	12558529	TT	CC	1940398108
SNP_P1_137998_12560127	NC_021166.1	Ca_kabuli_chr07	12560127	TT	AA	1940398109
SNP_P1_137999_12561434	NC_021166.1	Ca_kabuli_chr07	12561434	GG	AA	1940398111
SNP_P1_138001_12562420	NC_021166.1	Ca_kabuli_chr07	12562420	GG	AA	1940398113
SNP_P1_138002_12562595	NC_021166.1	Ca_kabuli_chr07	12562595	TT	GG	1940398115
SNP_P1_138003_12563096	NC_021166.1	Ca_kabuli_chr07	12563096	AA	TT	1940398117
SNP_P1_138004_12564300	NC_021166.1	Ca_kabuli_chr07	12564300	TT	CC	1940398118
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SNP_P1_138008_12564414	NC_021166.1	Ca_kabuli_chr07	12564414	AA	GG	1940398126
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SNP_P1_138012_12564481	NC_021166.1	Ca_kabuli_chr07	12564481	CC	TT	1940398133
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SNP_P1_138014_12564521	NC_021166.1	Ca_kabuli_chr07	12564521	TT	AA	1940398136
SNP_P1_138015_12564667	NC_021166.1	Ca_kabuli_chr07	12564667	GG	TT	1940398138
SNP_P1_138016_12564739	NC_021166.1	Ca_kabuli_chr07	12564739	TT	CC	1940398140
SNP_P1_138017_12564747	NC_021166.1	Ca_kabuli_chr07	12564747	TT	CC	1940398142
SNP_P1_138018_12564766	NC_021166.1	Ca_kabuli_chr07	12564766	AA	CC	1940398143
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SNP_P1_138021_12564827	NC_021166.1	Ca_kabuli_chr07	12564827	CC	TT	1940398149
SNP_P1_138022_12564849	NC_021166.1	Ca_kabuli_chr07	12564849	AA	TT	1940398151
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SNP_P1_138024_12565601	NC_021166.1	Ca_kabuli_chr07	12565601	TT	CC	1940398154
SNP_P1_138025_12565603	NC_021166.1	Ca_kabuli_chr07	12565603	GG	AA	1940398156
SNP_P1_138026_12565628	NC_021166.1	Ca_kabuli_chr07	12565628	AA	CC	1940398158
SNP_P1_138027_12565634	NC_021166.1	Ca_kabuli_chr07	12565634	GG	CC	1940398159
SNP_P1_138028_12565785	NC_021166.1	Ca_kabuli_chr07	12565785	TT	GG	1940398161
SNP_P1_138029_12565830	NC_021166.1	Ca_kabuli_chr07	12565830	TT	CC	1940398163
SNP_P1_138031_12565913	NC_021166.1	Ca_kabuli_chr07	12565913	AA	GG	1940398165
SNP_P1_138032_12565949	NC_021166.1	Ca_kabuli_chr07	12565949	TT	CC	1940398167
SNP_P1_138033_12565979	NC_021166.1	Ca_kabuli_chr07	12565979	CC	TT	1940398168
SNP_P1_138034_12566008	NC_021166.1	Ca_kabuli_chr07	12566008	AA	TT	1940398170
SNP_P1_138035_12566961	NC_021166.1	Ca_kabuli_chr07	12566961	CC	AA	1940398172
SNP_P1_138036_12567091	NC_021166.1	Ca_kabuli_chr07	12567091	TT	CC	1940398174

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138040_12567447	NC_021166.1	Ca_kabuli_chr07	12567447	GG	TT	1940398179
SNP_P1_138041_12567512	NC_021166.1	Ca_kabuli_chr07	12567512	GG	AA	1940398181
SNP_P1_138042_12567542	NC_021166.1	Ca_kabuli_chr07	12567542	CC	AA	1940398183
SNP_P1_138043_12567596	NC_021166.1	Ca_kabuli_chr07	12567596	CC	GG	1940398184
SNP_P1_138044_12567610	NC_021166.1	Ca_kabuli_chr07	12567610	AA	CC	1940398186
SNP_P1_138045_12567615	NC_021166.1	Ca_kabuli_chr07	12567615	GG	AA	1940398188
SNP_P1_138046_12567655	NC_021166.1	Ca_kabuli_chr07	12567655	TT	CC	1940398190
SNP_P1_138047_12568821	NC_021166.1	Ca_kabuli_chr07	12568821	TT	CC	1940398192
SNP_P1_138048_12570686	NC_021166.1	Ca_kabuli_chr07	12570686	CC	AA	1940398193
SNP_P1_138049_12570699	NC_021166.1	Ca_kabuli_chr07	12570699	AA	CC	1940398195
SNP_P1_138050_12571005	NC_021166.1	Ca_kabuli_chr07	12571005	AA	GG	1940398197
SNP_P1_138051_12571010	NC_021166.1	Ca_kabuli_chr07	12571010	TT	CC	1940398199
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SNP_P1_138054_12572323	NC_021166.1	Ca_kabuli_chr07	12572323	CC	TT	1940398204
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SNP_P1_138056_12572640	NC_021166.1	Ca_kabuli_chr07	12572640	AA	CC	1940398208
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SNP_P1_138059_12573654	NC_021166.1	Ca_kabuli_chr07	12573654	GG	CC	1940398213
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SNP_P1_138062_12576060	NC_021166.1	Ca_kabuli_chr07	12576060	CC	TT	1940398218
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SNP_P1_138068_12581108	NC_021166.1	Ca_kabuli_chr07	12581108	TT	AA	1940398227
SNP_P1_138069_12581154	NC_021166.1	Ca_kabuli_chr07	12581154	AA	GG	1940398229
SNP_P1_138071_12582359	NC_021166.1	Ca_kabuli_chr07	12582359	CC	GG	1940398231
SNP_P1_138074_12587020	NC_021166.1	Ca_kabuli_chr07	12587020	CC	AA	1940398233
SNP_P1_138076_12588049	NC_021166.1	Ca_kabuli_chr07	12588049	AA	GG	1940398234
SNP_P1_138077_12589378	NC_021166.1	Ca_kabuli_chr07	12589378	TT	CC	1940398236
SNP_P1_138078_12591668	NC_021166.1	Ca_kabuli_chr07	12591668	CC	TT	1940398238
SNP_P1_138079_12591743	NC_021166.1	Ca_kabuli_chr07	12591743	TT	CC	1940398240
SNP_P1_138080_12591748	NC_021166.1	Ca_kabuli_chr07	12591748	AA	TT	1940398242
SNP_P1_138081_12591778	NC_021166.1	Ca_kabuli_chr07	12591778	TT	AA	1940398243
SNP_P1_138082_12591779	NC_021166.1	Ca_kabuli_chr07	12591779	TT	CC	1940398245
SNP_P1_138083_12591782	NC_021166.1	Ca_kabuli_chr07	12591782	GG	AA	1940398247
SNP_P1_138084_12591790	NC_021166.1	Ca_kabuli_chr07	12591790	GG	CC	1940398249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138087_12593106	NC_021166.1	Ca_kabuli_chr07	12593106	GG	AA	1940398254
SNP_P1_138088_12593883	NC_021166.1	Ca_kabuli_chr07	12593883	CC	TT	1940398256
SNP_P1_138089_12594376	NC_021166.1	Ca_kabuli_chr07	12594376	GG	AA	1940398258
SNP_P1_138090_12594424	NC_021166.1	Ca_kabuli_chr07	12594424	AA	TT	1940398259
SNP_P1_138091_12594605	NC_021166.1	Ca_kabuli_chr07	12594605	TT	CC	1940398261
SNP_P1_138092_12594691	NC_021166.1	Ca_kabuli_chr07	12594691	CC	TT	1940398263
SNP_P1_138093_12595186	NC_021166.1	Ca_kabuli_chr07	12595186	GG	AA	1940398265
SNP_P1_138094_12595218	NC_021166.1	Ca_kabuli_chr07	12595218	GG	AA	1940398267
SNP_P1_138095_12595653	NC_021166.1	Ca_kabuli_chr07	12595653	TT	CC	1940398268
SNP_P1_138096_12595918	NC_021166.1	Ca_kabuli_chr07	12595918	GG	AA	1940398270
SNP_P1_138097_12596382	NC_021166.1	Ca_kabuli_chr07	12596382	GG	TT	1940398272
SNP_P1_138098_12596389	NC_021166.1	Ca_kabuli_chr07	12596389	GG	TT	1940398274
SNP_P1_138099_12596421	NC_021166.1	Ca_kabuli_chr07	12596421	CC	TT	1940398275
SNP_P1_138100_12596712	NC_021166.1	Ca_kabuli_chr07	12596712	TT	CC	1940398277
SNP_P1_138101_12596864	NC_021166.1	Ca_kabuli_chr07	12596864	CC	TT	1940398279
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SNP_P1_138104_12598133	NC_021166.1	Ca_kabuli_chr07	12598133	GG	AA	1940398284
SNP_P1_138105_12598138	NC_021166.1	Ca_kabuli_chr07	12598138	CC	TT	1940398286
SNP_P1_138106_12598143	NC_021166.1	Ca_kabuli_chr07	12598143	TT	CC	1940398288
SNP_P1_138107_12598158	NC_021166.1	Ca_kabuli_chr07	12598158	GG	AA	1940398290
SNP_P1_138108_12598540	NC_021166.1	Ca_kabuli_chr07	12598540	CC	GG	1940398292
SNP_P1_138109_12598557	NC_021166.1	Ca_kabuli_chr07	12598557	TT	GG	1940398293
SNP_P1_138110_12598574	NC_021166.1	Ca_kabuli_chr07	12598574	CC	TT	1940398295
SNP_P1_138111_12598577	NC_021166.1	Ca_kabuli_chr07	12598577	TT	CC	1940398297
SNP_P1_138112_12598588	NC_021166.1	Ca_kabuli_chr07	12598588	GG	AA	1940398299
SNP_P1_138113_12598631	NC_021166.1	Ca_kabuli_chr07	12598631	AA	GG	1940398300
SNP_P1_138114_12598671	NC_021166.1	Ca_kabuli_chr07	12598671	CC	AA	1940398302
SNP_P1_138115_12598941	NC_021166.1	Ca_kabuli_chr07	12598941	GG	AA	1940398304
SNP_P1_138116_12598995	NC_021166.1	Ca_kabuli_chr07	12598995	AA	GG	1940398306
SNP_P1_138117_12599022	NC_021166.1	Ca_kabuli_chr07	12599022	GG	AA	1940398308
SNP_P1_138120_12601216	NC_021166.1	Ca_kabuli_chr07	12601216	CC	TT	1940398309
SNP_P1_138121_12601275	NC_021166.1	Ca_kabuli_chr07	12601275	CC	TT	1940398311
SNP_P1_138123_12601544	NC_021166.1	Ca_kabuli_chr07	12601544	AA	TT	1940398313
SNP_P1_138124_12601545	NC_021166.1	Ca_kabuli_chr07	12601545	AA	GG	1940398315
SNP_P1_138125_12601586	NC_021166.1	Ca_kabuli_chr07	12601586	CC	GG	1940398317
SNP_P1_138126_12601595	NC_021166.1	Ca_kabuli_chr07	12601595	AA	TT	1940398318
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SNP_P1_138128_12601620	NC_021166.1	Ca_kabuli_chr07	12601620	CC	TT	1940398322
SNP_P1_138129_12601631	NC_021166.1	Ca_kabuli_chr07	12601631	GG	AA	1940398324

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138132_12602089	NC_021166.1	Ca_kabuli_chr07	12602089	GG	CC	1940398327
SNP_P1_138133_12603213	NC_021166.1	Ca_kabuli_chr07	12603213	CC	TT	1940398329
SNP_P1_138134_12603239	NC_021166.1	Ca_kabuli_chr07	12603239	TT	CC	1940398331
SNP_P1_138135_12603822	NC_021166.1	Ca_kabuli_chr07	12603822	TT	AA	1940398333
SNP_P1_138136_12603841	NC_021166.1	Ca_kabuli_chr07	12603841	GG	AA	1940398334
SNP_P1_138137_12604803	NC_021166.1	Ca_kabuli_chr07	12604803	AA	GG	1940398336
SNP_P1_138138_12604825	NC_021166.1	Ca_kabuli_chr07	12604825	CC	TT	1940398338
SNP_P1_138139_12604826	NC_021166.1	Ca_kabuli_chr07	12604826	AA	GG	1940398340
SNP_P1_138140_12604827	NC_021166.1	Ca_kabuli_chr07	12604827	TT	GG	1940398342
SNP_P1_138142_12605589	NC_021166.1	Ca_kabuli_chr07	12605589	TT	CC	1940398343
SNP_P1_138143_12606821	NC_021166.1	Ca_kabuli_chr07	12606821	AA	TT	1940398345
SNP_P1_138144_12606846	NC_021166.1	Ca_kabuli_chr07	12606846	TT	AA	1940398347
SNP_P1_138145_12606869	NC_021166.1	Ca_kabuli_chr07	12606869	GG	CC	1940398349
SNP_P1_138146_12607675	NC_021166.1	Ca_kabuli_chr07	12607675	GG	AA	1940398350
SNP_P1_138147_12607756	NC_021166.1	Ca_kabuli_chr07	12607756	GG	AA	1940398352
SNP_P1_138148_12607997	NC_021166.1	Ca_kabuli_chr07	12607997	AA	TT	1940398354
SNP_P1_138150_12608688	NC_021166.1	Ca_kabuli_chr07	12608688	CC	TT	1940398356
SNP_P1_138151_12608985	NC_021166.1	Ca_kabuli_chr07	12608985	CC	TT	1940398358
SNP_P1_138153_12609038	NC_021166.1	Ca_kabuli_chr07	12609038	TT	AA	1940398359
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SNP_P1_138156_12609397	NC_021166.1	Ca_kabuli_chr07	12609397	GG	AA	1940398365
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SNP_P1_138159_12609814	NC_021166.1	Ca_kabuli_chr07	12609814	AA	GG	1940398368
SNP_P1_138160_12609996	NC_021166.1	Ca_kabuli_chr07	12609996	GG	AA	1940398370
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SNP_P1_138163_12610122	NC_021166.1	Ca_kabuli_chr07	12610122	AA	GG	1940398375
SNP_P1_138164_12610126	NC_021166.1	Ca_kabuli_chr07	12610126	CC	TT	1940398377
SNP_P1_138165_12610187	NC_021166.1	Ca_kabuli_chr07	12610187	CC	AA	1940398379
SNP_P1_138166_12610380	NC_021166.1	Ca_kabuli_chr07	12610380	GG	AA	1940398381
SNP_P1_138167_12611607	NC_021166.1	Ca_kabuli_chr07	12611607	AA	GG	1940398383
SNP_P1_138168_12612001	NC_021166.1	Ca_kabuli_chr07	12612001	GG	AA	1940398384
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SNP_P1_138170_12613487	NC_021166.1	Ca_kabuli_chr07	12613487	TT	CC	1940398388
SNP_P1_138171_12614918	NC_021166.1	Ca_kabuli_chr07	12614918	AA	GG	1940398390
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SNP_P1_138173_12628368	NC_021166.1	Ca_kabuli_chr07	12628368	AA	CC	1940398393
SNP_P1_138174_12629132	NC_021166.1	Ca_kabuli_chr07	12629132	CC	TT	1940398395
SNP_P1_138175_12629142	NC_021166.1	Ca_kabuli_chr07	12629142	AA	CC	1940398397
SNP_P1_138176_12629243	NC_021166.1	Ca_kabuli_chr07	12629243	GG	CC	1940398399

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138180_12630878	NC_021166.1	Ca_kabuli_chr07	12630878	CC	GG	1940398406
SNP_P1_138181_12630881	NC_021166.1	Ca_kabuli_chr07	12630881	AA	CC	1940398408
SNP_P1_138182_12631986	NC_021166.1	Ca_kabuli_chr07	12631986	GG	AA	1940398409
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SNP_P1_138184_12632526	NC_021166.1	Ca_kabuli_chr07	12632526	AA	GG	1940398413
SNP_P1_138185_12633643	NC_021166.1	Ca_kabuli_chr07	12633643	AA	TT	1940398415
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SNP_P1_138187_12634664	NC_021166.1	Ca_kabuli_chr07	12634664	TT	CC	1940398418
SNP_P1_138188_12634995	NC_021166.1	Ca_kabuli_chr07	12634995	CC	GG	1940398420
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SNP_P1_138191_12636442	NC_021166.1	Ca_kabuli_chr07	12636442	GG	AA	1940398425
SNP_P1_138192_12636831	NC_021166.1	Ca_kabuli_chr07	12636831	GG	TT	1940398427
SNP_P1_138193_12636838	NC_021166.1	Ca_kabuli_chr07	12636838	CC	TT	1940398429
SNP_P1_138194_12637313	NC_021166.1	Ca_kabuli_chr07	12637313	AA	TT	1940398431
SNP_P1_138195_12637378	NC_021166.1	Ca_kabuli_chr07	12637378	AA	GG	1940398433
SNP_P1_138196_12640300	NC_021166.1	Ca_kabuli_chr07	12640300	TT	GG	1940398434
SNP_P1_138197_12642186	NC_021166.1	Ca_kabuli_chr07	12642186	CC	TT	1940398436
SNP_P1_138198_12642267	NC_021166.1	Ca_kabuli_chr07	12642267	CC	TT	1940398438
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SNP_P1_138206_12643005	NC_021166.1	Ca_kabuli_chr07	12643005	GG	AA	1940398452
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SNP_P1_138211_12643280	NC_021166.1	Ca_kabuli_chr07	12643280	TT	CC	1940398461
SNP_P1_138212_12643316	NC_021166.1	Ca_kabuli_chr07	12643316	GG	AA	1940398463
SNP_P1_138213_12643487	NC_021166.1	Ca_kabuli_chr07	12643487	CC	TT	1940398465
SNP_P1_138214_12643805	NC_021166.1	Ca_kabuli_chr07	12643805	CC	AA	1940398467
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SNP_P1_138216_12643921	NC_021166.1	Ca_kabuli_chr07	12643921	GG	AA	1940398470
SNP_P1_138217_12643932	NC_021166.1	Ca_kabuli_chr07	12643932	CC	AA	1940398472
SNP_P1_138218_12643972	NC_021166.1	Ca_kabuli_chr07	12643972	AA	GG	1940398474

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138220_12643998	NC_021166.1	Ca_kabuli_chr07	12643998	AA	GG	1940398477
SNP_P1_138221_12644599	NC_021166.1	Ca_kabuli_chr07	12644599	AA	GG	1940398479
SNP_P1_138223_12644677	NC_021166.1	Ca_kabuli_chr07	12644677	TT	CC	1940398481
SNP_P1_138224_12644837	NC_021166.1	Ca_kabuli_chr07	12644837	CC	TT	1940398483
SNP_P1_138225_12644885	NC_021166.1	Ca_kabuli_chr07	12644885	GG	CC	1940398484
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SNP_P1_138233_12646138	NC_021166.1	Ca_kabuli_chr07	12646138	CC	TT	1940398495
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SNP_P1_138255_12653664	NC_021166.1	Ca_kabuli_chr07	12653664	GG	AA	1940398529
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SNP_P1_138262_12654912	NC_021166.1	Ca_kabuli_chr07	12654912	TT	CC	1940398540
SNP_P1_138265_12656705	NC_021166.1	Ca_kabuli_chr07	12656705	TT	GG	1940398542
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138272_12657389	NC_021166.1	Ca_kabuli_chr07	12657389	AA	CC	1940398554
SNP_P1_138273_12657406	NC_021166.1	Ca_kabuli_chr07	12657406	GG	AA	1940398556
SNP_P1_138274_12657418	NC_021166.1	Ca_kabuli_chr07	12657418	CC	TT	1940398558
SNP_P1_138275_12657711	NC_021166.1	Ca_kabuli_chr07	12657711	AA	GG	1940398559
SNP_P1_138276_12657750	NC_021166.1	Ca_kabuli_chr07	12657750	AA	CC	1940398561
SNP_P1_138277_12657751	NC_021166.1	Ca_kabuli_chr07	12657751	AA	TT	1940398563
SNP_P1_138278_12661082	NC_021166.1	Ca_kabuli_chr07	12661082	AA	GG	1940398565
SNP_P1_138279_12661084	NC_021166.1	Ca_kabuli_chr07	12661084	AA	TT	1940398567
SNP_P1_138280_12661085	NC_021166.1	Ca_kabuli_chr07	12661085	TT	AA	1940398568
SNP_P1_138281_12661093	NC_021166.1	Ca_kabuli_chr07	12661093	AA	GG	1940398570
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SNP_P1_138300_12668407	NC_021166.1	Ca_kabuli_chr07	12668407	GG	AA	1940398599
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SNP_P1_138314_12674329	NC_021166.1	Ca_kabuli_chr07	12674329	GG	AA	1940398622
SNP_P1_138315_12674364	NC_021166.1	Ca_kabuli_chr07	12674364	CC	TT	1940398624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138318_12675679	NC_021166.1	Ca_kabuli_chr07	12675679	TT	CC	1940398629
SNP_P1_138319_12675908	NC_021166.1	Ca_kabuli_chr07	12675908	AA	GG	1940398631
SNP_P1_138320_12676057	NC_021166.1	Ca_kabuli_chr07	12676057	TT	CC	1940398633
SNP_P1_138321_12676100	NC_021166.1	Ca_kabuli_chr07	12676100	CC	TT	1940398634
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SNP_P1_138358_12687359	NC_021166.1	Ca_kabuli_chr07	12687359	GG	CC	1940398699

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SNP_P1_138377_12691232	NC_021166.1	Ca_kabuli_chr07	12691232	GG	TT	1940398729
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SNP_P1_138392_12695270	NC_021166.1	Ca_kabuli_chr07	12695270	TT	GG	1940398751
SNP_P1_138393_12695579	NC_021166.1	Ca_kabuli_chr07	12695579	CC	TT	1940398752
SNP_P1_138394_12695589	NC_021166.1	Ca_kabuli_chr07	12695589	CC	TT	1940398754
SNP_P1_138395_12695677	NC_021166.1	Ca_kabuli_chr07	12695677	GG	AA	1940398756
SNP_P1_138396_12695727	NC_021166.1	Ca_kabuli_chr07	12695727	GG	AA	1940398758
SNP_P1_138397_12696683	NC_021166.1	Ca_kabuli_chr07	12696683	GG	AA	1940398759
SNP_P1_138398_12696988	NC_021166.1	Ca_kabuli_chr07	12696988	AA	TT	1940398761
SNP_P1_138399_12696993	NC_021166.1	Ca_kabuli_chr07	12696993	GG	AA	1940398763
SNP_P1_138400_12697022	NC_021166.1	Ca_kabuli_chr07	12697022	GG	CC	1940398765
SNP_P1_138401_12697090	NC_021166.1	Ca_kabuli_chr07	12697090	TT	CC	1940398767
SNP_P1_138402_12697398	NC_021166.1	Ca_kabuli_chr07	12697398	CC	GG	1940398768
SNP_P1_138404_12697569	NC_021166.1	Ca_kabuli_chr07	12697569	AA	TT	1940398770
SNP_P1_138405_12698318	NC_021166.1	Ca_kabuli_chr07	12698318	GG	AA	1940398772
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138408_12703972	NC_021166.1	Ca_kabuli_chr07	12703972	TT	CC	1940398777
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SNP_P1_138410_12704222	NC_021166.1	Ca_kabuli_chr07	12704222	GG	TT	1940398781
SNP_P1_138411_12704279	NC_021166.1	Ca_kabuli_chr07	12704279	TT	CC	1940398783
SNP_P1_138412_12705692	NC_021166.1	Ca_kabuli_chr07	12705692	AA	GG	1940398784
SNP_P1_138413_12709885	NC_021166.1	Ca_kabuli_chr07	12709885	GG	AA	1940398786
SNP_P1_138414_12709949	NC_021166.1	Ca_kabuli_chr07	12709949	AA	CC	1940398788
SNP_P1_138415_12712890	NC_021166.1	Ca_kabuli_chr07	12712890	TT	CC	1940398790
SNP_P1_138417_12714204	NC_021166.1	Ca_kabuli_chr07	12714204	AA	TT	1940398792
SNP_P1_138418_12715125	NC_021166.1	Ca_kabuli_chr07	12715125	GG	AA	1940398794
SNP_P1_138420_12719820	NC_021166.1	Ca_kabuli_chr07	12719820	CC	TT	1940398796
SNP_P1_138421_12719870	NC_021166.1	Ca_kabuli_chr07	12719870	CC	TT	1940398797
SNP_P1_138422_12719882	NC_021166.1	Ca_kabuli_chr07	12719882	AA	TT	1940398799
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SNP_P1_138424_12724480	NC_021166.1	Ca_kabuli_chr07	12724480	GG	TT	1940398803
SNP_P1_138426_12724946	NC_021166.1	Ca_kabuli_chr07	12724946	TT	AA	1940398805
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SNP_P1_138430_12727364	NC_021166.1	Ca_kabuli_chr07	12727364	AA	GG	1940398810
SNP_P1_138431_12727374	NC_021166.1	Ca_kabuli_chr07	12727374	TT	CC	1940398812
SNP_P1_138432_12727446	NC_021166.1	Ca_kabuli_chr07	12727446	AA	TT	1940398814
SNP_P1_138433_12727508	NC_021166.1	Ca_kabuli_chr07	12727508	AA	GG	1940398816
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SNP_P1_138443_12728390	NC_021166.1	Ca_kabuli_chr07	12728390	CC	TT	1940398831
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SNP_P1_138449_12729268	NC_021166.1	Ca_kabuli_chr07	12729268	CC	AA	1940398842
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SNP_P1_138452_12729938	NC_021166.1	Ca_kabuli_chr07	12729938	TT	GG	1940398845
SNP_P1_138453_12729939	NC_021166.1	Ca_kabuli_chr07	12729939	CC	TT	1940398847
SNP_P1_138454_12729972	NC_021166.1	Ca_kabuli_chr07	12729972	GG	CC	1940398849

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138457_12730141	NC_021166.1	Ca_kabuli_chr07	12730141	CC	AA	1940398854
SNP_P1_138459_12730830	NC_021166.1	Ca_kabuli_chr07	12730830	TT	CC	1940398856
SNP_P1_138460_12731119	NC_021166.1	Ca_kabuli_chr07	12731119	TT	CC	1940398858
SNP_P1_138462_12732107	NC_021166.1	Ca_kabuli_chr07	12732107	TT	AA	1940398860
SNP_P1_138463_12732788	NC_021166.1	Ca_kabuli_chr07	12732788	TT	CC	1940398861
SNP_P1_138466_12733614	NC_021166.1	Ca_kabuli_chr07	12733614	AA	TT	1940398863
SNP_P1_138467_12733852	NC_021166.1	Ca_kabuli_chr07	12733852	GG	TT	1940398865
SNP_P1_138468_12733855	NC_021166.1	Ca_kabuli_chr07	12733855	GG	AA	1940398867
SNP_P1_138469_12733944	NC_021166.1	Ca_kabuli_chr07	12733944	CC	TT	1940398869
SNP_P1_138470_12734166	NC_021166.1	Ca_kabuli_chr07	12734166	GG	CC	1940398870
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SNP_P1_138490_12744285	NC_021166.1	Ca_kabuli_chr07	12744285	CC	TT	1940398903
SNP_P1_138491_12744352	NC_021166.1	Ca_kabuli_chr07	12744352	CC	TT	1940398904
SNP_P1_138492_12744529	NC_021166.1	Ca_kabuli_chr07	12744529	AA	GG	1940398906
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SNP_P1_138502_12745632	NC_021166.1	Ca_kabuli_chr07	12745632	TT	GG	1940398920
SNP_P1_138503_12745640	NC_021166.1	Ca_kabuli_chr07	12745640	GG	TT	1940398922
SNP_P1_138504_12745703	NC_021166.1	Ca_kabuli_chr07	12745703	GG	AA	1940398924

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138508_12747851	NC_021166.1	Ca_kabuli_chr07	12747851	TT	AA	1940398931
SNP_P1_138509_12748436	NC_021166.1	Ca_kabuli_chr07	12748436	AA	GG	1940398933
SNP_P1_138510_12748803	NC_021166.1	Ca_kabuli_chr07	12748803	AA	TT	1940398935
SNP_P1_138511_12748815	NC_021166.1	Ca_kabuli_chr07	12748815	TT	GG	1940398936
SNP_P1_138512_12748855	NC_021166.1	Ca_kabuli_chr07	12748855	CC	TT	1940398938
SNP_P1_138513_12750103	NC_021166.1	Ca_kabuli_chr07	12750103	TT	CC	1940398940
SNP_P1_138514_12752256	NC_021166.1	Ca_kabuli_chr07	12752256	GG	AA	1940398942
SNP_P1_138516_12752998	NC_021166.1	Ca_kabuli_chr07	12752998	CC	TT	1940398944
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SNP_P1_138518_12753111	NC_021166.1	Ca_kabuli_chr07	12753111	AA	GG	1940398947
SNP_P1_138519_12753128	NC_021166.1	Ca_kabuli_chr07	12753128	GG	AA	1940398949
SNP_P1_138520_12753185	NC_021166.1	Ca_kabuli_chr07	12753185	CC	TT	1940398951
SNP_P1_138521_12761587	NC_021166.1	Ca_kabuli_chr07	12761587	GG	AA	1940398953
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SNP_P1_138551_12769259	NC_021166.1	Ca_kabuli_chr07	12769259	TT	CC	1940398999

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138557_12773794	NC_021166.1	Ca_kabuli_chr07	12773794	GG	TT	1940399006
SNP_P1_138558_12774726	NC_021166.1	Ca_kabuli_chr07	12774726	TT	CC	1940399008
SNP_P1_138559_12774727	NC_021166.1	Ca_kabuli_chr07	12774727	AA	GG	1940399010
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SNP_P1_138562_12774808	NC_021166.1	Ca_kabuli_chr07	12774808	TT	CC	1940399015
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SNP_P1_138568_12774902	NC_021166.1	Ca_kabuli_chr07	12774902	TT	CC	1940399026
SNP_P1_138569_12774913	NC_021166.1	Ca_kabuli_chr07	12774913	AA	TT	1940399027
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SNP_P1_138576_12775047	NC_021166.1	Ca_kabuli_chr07	12775047	CC	AA	1940399040
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SNP_P1_138586_12777411	NC_021166.1	Ca_kabuli_chr07	12777411	GG	TT	1940399054
SNP_P1_138587_12777438	NC_021166.1	Ca_kabuli_chr07	12777438	TT	GG	1940399056
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SNP_P1_138594_12778850	NC_021166.1	Ca_kabuli_chr07	12778850	TT	CC	1940399068
SNP_P1_138595_12779226	NC_021166.1	Ca_kabuli_chr07	12779226	AA	GG	1940399070
SNP_P1_138596_12779241	NC_021166.1	Ca_kabuli_chr07	12779241	AA	GG	1940399072
SNP_P1_138597_12780648	NC_021166.1	Ca_kabuli_chr07	12780648	TT	CC	1940399074

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138599_12784641	NC_021166.1	Ca_kabuli_chr07	12784641	CC	AA	1940399077
SNP_P1_138600_12784869	NC_021166.1	Ca_kabuli_chr07	12784869	TT	CC	1940399079
SNP_P1_138601_12785229	NC_021166.1	Ca_kabuli_chr07	12785229	AA	GG	1940399081
SNP_P1_138603_12785951	NC_021166.1	Ca_kabuli_chr07	12785951	GG	AA	1940399083
SNP_P1_138605_12787760	NC_021166.1	Ca_kabuli_chr07	12787760	AA	GG	1940399085
SNP_P1_138606_12787777	NC_021166.1	Ca_kabuli_chr07	12787777	TT	CC	1940399086
SNP_P1_138607_12787967	NC_021166.1	Ca_kabuli_chr07	12787967	GG	CC	1940399088
SNP_P1_138608_12788000	NC_021166.1	Ca_kabuli_chr07	12788000	GG	TT	1940399090
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SNP_P1_138610_12789086	NC_021166.1	Ca_kabuli_chr07	12789086	TT	CC	1940399094
SNP_P1_138611_12789681	NC_021166.1	Ca_kabuli_chr07	12789681	AA	GG	1940399095
SNP_P1_138612_12789707	NC_021166.1	Ca_kabuli_chr07	12789707	GG	CC	1940399097
SNP_P1_138614_12789826	NC_021166.1	Ca_kabuli_chr07	12789826	TT	AA	1940399099
SNP_P1_138615_12789844	NC_021166.1	Ca_kabuli_chr07	12789844	CC	AA	1940399101
SNP_P1_138616_12789852	NC_021166.1	Ca_kabuli_chr07	12789852	CC	TT	1940399102
SNP_P1_138617_12790002	NC_021166.1	Ca_kabuli_chr07	12790002	TT	GG	1940399104
SNP_P1_138618_12790310	NC_021166.1	Ca_kabuli_chr07	12790310	AA	GG	1940399106
SNP_P1_138619_12790649	NC_021166.1	Ca_kabuli_chr07	12790649	GG	AA	1940399108
SNP_P1_138620_12790732	NC_021166.1	Ca_kabuli_chr07	12790732	CC	TT	1940399110
SNP_P1_138621_12790798	NC_021166.1	Ca_kabuli_chr07	12790798	AA	GG	1940399111
SNP_P1_138622_12791097	NC_021166.1	Ca_kabuli_chr07	12791097	AA	GG	1940399113
SNP_P1_138623_12791162	NC_021166.1	Ca_kabuli_chr07	12791162	CC	TT	1940399115
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SNP_P1_138625_12791394	NC_021166.1	Ca_kabuli_chr07	12791394	TT	GG	1940399119
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SNP_P1_138628_12794223	NC_021166.1	Ca_kabuli_chr07	12794223	GG	AA	1940399122
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SNP_P1_138630_12794524	NC_021166.1	Ca_kabuli_chr07	12794524	CC	GG	1940399126
SNP_P1_138631_12794543	NC_021166.1	Ca_kabuli_chr07	12794543	TT	AA	1940399127
SNP_P1_138632_12795564	NC_021166.1	Ca_kabuli_chr07	12795564	CC	TT	1940399129
SNP_P1_138633_12795577	NC_021166.1	Ca_kabuli_chr07	12795577	GG	TT	1940399131
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SNP_P1_138635_12795707	NC_021166.1	Ca_kabuli_chr07	12795707	AA	GG	1940399135
SNP_P1_138636_12795716	NC_021166.1	Ca_kabuli_chr07	12795716	GG	AA	1940399136
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SNP_P1_138638_12795887	NC_021166.1	Ca_kabuli_chr07	12795887	GG	TT	1940399140
SNP_P1_138639_12796143	NC_021166.1	Ca_kabuli_chr07	12796143	CC	TT	1940399142
SNP_P1_138640_12796715	NC_021166.1	Ca_kabuli_chr07	12796715	GG	AA	1940399144
SNP_P1_138641_12796728	NC_021166.1	Ca_kabuli_chr07	12796728	CC	TT	1940399145
SNP_P1_138642_12796946	NC_021166.1	Ca_kabuli_chr07	12796946	AA	GG	1940399147
SNP_P1_138643_12797488	NC_021166.1	Ca_kabuli_chr07	12797488	AA	TT	1940399149

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138646_12799470	NC_021166.1	Ca_kabuli_chr07	12799470	GG	AA	1940399154
SNP_P1_138647_12799789	NC_021166.1	Ca_kabuli_chr07	12799789	GG	AA	1940399156
SNP_P1_138648_12799817	NC_021166.1	Ca_kabuli_chr07	12799817	TT	AA	1940399158
SNP_P1_138649_12802163	NC_021166.1	Ca_kabuli_chr07	12802163	CC	TT	1940399160
SNP_P1_138650_12802164	NC_021166.1	Ca_kabuli_chr07	12802164	TT	CC	1940399161
SNP_P1_138651_12802174	NC_021166.1	Ca_kabuli_chr07	12802174	AA	GG	1940399163
SNP_P1_138652_12802186	NC_021166.1	Ca_kabuli_chr07	12802186	GG	AA	1940399165
SNP_P1_138653_12803855	NC_021166.1	Ca_kabuli_chr07	12803855	CC	TT	1940399167
SNP_P1_138654_12803877	NC_021166.1	Ca_kabuli_chr07	12803877	AA	TT	1940399169
SNP_P1_138655_12803879	NC_021166.1	Ca_kabuli_chr07	12803879	AA	TT	1940399170
SNP_P1_138656_12803880	NC_021166.1	Ca_kabuli_chr07	12803880	AA	TT	1940399172
SNP_P1_138657_12803881	NC_021166.1	Ca_kabuli_chr07	12803881	AA	TT	1940399174
SNP_P1_138658_12803918	NC_021166.1	Ca_kabuli_chr07	12803918	CC	TT	1940399176
SNP_P1_138659_12804090	NC_021166.1	Ca_kabuli_chr07	12804090	TT	GG	1940399177
SNP_P1_138660_12804422	NC_021166.1	Ca_kabuli_chr07	12804422	CC	TT	1940399179
SNP_P1_138661_12804935	NC_021166.1	Ca_kabuli_chr07	12804935	GG	CC	1940399181
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SNP_P1_138664_12806516	NC_021166.1	Ca_kabuli_chr07	12806516	AA	TT	1940399186
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SNP_P1_138667_12807216	NC_021166.1	Ca_kabuli_chr07	12807216	TT	CC	1940399190
SNP_P1_138668_12808559	NC_021166.1	Ca_kabuli_chr07	12808559	TT	CC	1940399192
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SNP_P1_138672_12808760	NC_021166.1	Ca_kabuli_chr07	12808760	AA	TT	1940399199
SNP_P1_138674_12809248	NC_021166.1	Ca_kabuli_chr07	12809248	CC	TT	1940399201
SNP_P1_138675_12809281	NC_021166.1	Ca_kabuli_chr07	12809281	AA	GG	1940399202
SNP_P1_138676_12809303	NC_021166.1	Ca_kabuli_chr07	12809303	TT	CC	1940399204
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SNP_P1_138678_12809462	NC_021166.1	Ca_kabuli_chr07	12809462	GG	CC	1940399208
SNP_P1_138679_12809490	NC_021166.1	Ca_kabuli_chr07	12809490	CC	GG	1940399210
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SNP_P1_138685_12809975	NC_021166.1	Ca_kabuli_chr07	12809975	TT	CC	1940399219
SNP_P1_138686_12810280	NC_021166.1	Ca_kabuli_chr07	12810280	CC	TT	1940399220
SNP_P1_138688_12810471	NC_021166.1	Ca_kabuli_chr07	12810471	AA	TT	1940399222
SNP_P1_138690_12811028	NC_021166.1	Ca_kabuli_chr07	12811028	AA	CC	1940399224

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138694_12811474	NC_021166.1	Ca_kabuli_chr07	12811474	TT	AA	1940399229
SNP_P1_138695_12811674	NC_021166.1	Ca_kabuli_chr07	12811674	GG	AA	1940399231
SNP_P1_138697_12813220	NC_021166.1	Ca_kabuli_chr07	12813220	CC	GG	1940399233
SNP_P1_138698_12813668	NC_021166.1	Ca_kabuli_chr07	12813668	TT	CC	1940399235
SNP_P1_138699_12813850	NC_021166.1	Ca_kabuli_chr07	12813850	TT	AA	1940399236
SNP_P1_138700_12813858	NC_021166.1	Ca_kabuli_chr07	12813858	AA	CC	1940399238
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SNP_P1_138702_12814071	NC_021166.1	Ca_kabuli_chr07	12814071	CC	GG	1940399242
SNP_P1_138703_12814958	NC_021166.1	Ca_kabuli_chr07	12814958	TT	CC	1940399243
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SNP_P1_138711_12818516	NC_021166.1	Ca_kabuli_chr07	12818516	GG	AA	1940399258
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SNP_P1_138715_12818626	NC_021166.1	Ca_kabuli_chr07	12818626	TT	GG	1940399263
SNP_P1_138716_12818662	NC_021166.1	Ca_kabuli_chr07	12818662	TT	CC	1940399265
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SNP_P1_138722_12818850	NC_021166.1	Ca_kabuli_chr07	12818850	GG	AA	1940399276
SNP_P1_138723_12818853	NC_021166.1	Ca_kabuli_chr07	12818853	AA	CC	1940399277
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SNP_P1_138725_12819010	NC_021166.1	Ca_kabuli_chr07	12819010	AA	CC	1940399281
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SNP_P1_138733_12820201	NC_021166.1	Ca_kabuli_chr07	12820201	AA	GG	1940399295
SNP_P1_138735_12824843	NC_021166.1	Ca_kabuli_chr07	12824843	AA	TT	1940399297
SNP_P1_138736_12825233	NC_021166.1	Ca_kabuli_chr07	12825233	AA	GG	1940399299

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138739_12828814	NC_021166.1	Ca_kabuli_chr07	12828814	CC	TT	1940399304
SNP_P1_138741_12832042	NC_021166.1	Ca_kabuli_chr07	12832042	AA	CC	1940399306
SNP_P1_138742_12833116	NC_021166.1	Ca_kabuli_chr07	12833116	CC	TT	1940399308
SNP_P1_138743_12834867	NC_021166.1	Ca_kabuli_chr07	12834867	CC	TT	1940399310
SNP_P1_138744_12834886	NC_021166.1	Ca_kabuli_chr07	12834886	TT	CC	1940399311
SNP_P1_138745_12834918	NC_021166.1	Ca_kabuli_chr07	12834918	TT	CC	1940399313
SNP_P1_138746_12835857	NC_021166.1	Ca_kabuli_chr07	12835857	AA	GG	1940399315
SNP_P1_138747_12836120	NC_021166.1	Ca_kabuli_chr07	12836120	TT	CC	1940399317
SNP_P1_138748_12836263	NC_021166.1	Ca_kabuli_chr07	12836263	TT	CC	1940399318
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SNP_P1_138753_12840062	NC_021166.1	Ca_kabuli_chr07	12840062	GG	AA	1940399326
SNP_P1_138754_12840210	NC_021166.1	Ca_kabuli_chr07	12840210	AA	TT	1940399327
SNP_P1_138755_12840633	NC_021166.1	Ca_kabuli_chr07	12840633	CC	TT	1940399329
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SNP_P1_138758_12841327	NC_021166.1	Ca_kabuli_chr07	12841327	AA	TT	1940399335
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SNP_P1_138761_12841981	NC_021166.1	Ca_kabuli_chr07	12841981	CC	TT	1940399340
SNP_P1_138762_12842036	NC_021166.1	Ca_kabuli_chr07	12842036	TT	CC	1940399342
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SNP_P1_138764_12842051	NC_021166.1	Ca_kabuli_chr07	12842051	CC	AA	1940399345
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SNP_P1_138768_12842579	NC_021166.1	Ca_kabuli_chr07	12842579	TT	CC	1940399352
SNP_P1_138769_12842815	NC_021166.1	Ca_kabuli_chr07	12842815	CC	TT	1940399354
SNP_P1_138770_12842827	NC_021166.1	Ca_kabuli_chr07	12842827	AA	GG	1940399356
SNP_P1_138771_12842844	NC_021166.1	Ca_kabuli_chr07	12842844	CC	TT	1940399358
SNP_P1_138772_12843082	NC_021166.1	Ca_kabuli_chr07	12843082	AA	GG	1940399360
SNP_P1_138773_12843165	NC_021166.1	Ca_kabuli_chr07	12843165	CC	TT	1940399361
SNP_P1_138775_12843482	NC_021166.1	Ca_kabuli_chr07	12843482	CC	TT	1940399363
SNP_P1_138776_12844519	NC_021166.1	Ca_kabuli_chr07	12844519	GG	AA	1940399365
SNP_P1_138778_12846447	NC_021166.1	Ca_kabuli_chr07	12846447	GG	AA	1940399367
SNP_P1_138779_12846461	NC_021166.1	Ca_kabuli_chr07	12846461	CC	TT	1940399368
SNP_P1_138780_12846467	NC_021166.1	Ca_kabuli_chr07	12846467	AA	GG	1940399370
SNP_P1_138782_12846722	NC_021166.1	Ca_kabuli_chr07	12846722	TT	GG	1940399372
SNP_P1_138783_12846752	NC_021166.1	Ca_kabuli_chr07	12846752	AA	GG	1940399374

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138786_12848002	NC_021166.1	Ca_kabuli_chr07	12848002	TT	CC	1940399379
SNP_P1_138787_12848076	NC_021166.1	Ca_kabuli_chr07	12848076	CC	GG	1940399381
SNP_P1_138788_12848345	NC_021166.1	Ca_kabuli_chr07	12848345	AA	TT	1940399383
SNP_P1_138790_12848441	NC_021166.1	Ca_kabuli_chr07	12848441	CC	GG	1940399385
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SNP_P1_138800_12854117	NC_021166.1	Ca_kabuli_chr07	12854117	CC	TT	1940399399
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SNP_P1_138802_12854267	NC_021166.1	Ca_kabuli_chr07	12854267	GG	TT	1940399402
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SNP_P1_138828_12862906	NC_021166.1	Ca_kabuli_chr07	12862906	CC	TT	1940399443
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SNP_P1_138830_12862914	NC_021166.1	Ca_kabuli_chr07	12862914	AA	CC	1940399447
SNP_P1_138831_12862916	NC_021166.1	Ca_kabuli_chr07	12862916	GG	AA	1940399449

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138834_12864752	NC_021166.1	Ca_kabuli_chr07	12864752	CC	TT	1940399454
SNP_P1_138835_12864760	NC_021166.1	Ca_kabuli_chr07	12864760	TT	CC	1940399456
SNP_P1_138836_12865255	NC_021166.1	Ca_kabuli_chr07	12865255	AA	GG	1940399458
SNP_P1_138838_12867167	NC_021166.1	Ca_kabuli_chr07	12867167	GG	AA	1940399459
SNP_P1_138839_12867366	NC_021166.1	Ca_kabuli_chr07	12867366	GG	AA	1940399461
SNP_P1_138840_12867371	NC_021166.1	Ca_kabuli_chr07	12867371	AA	GG	1940399463
SNP_P1_138841_12867498	NC_021166.1	Ca_kabuli_chr07	12867498	GG	AA	1940399465
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SNP_P1_138871_12875822	NC_021166.1	Ca_kabuli_chr07	12875822	CC	GG	1940399517
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SNP_P1_138874_12877683	NC_021166.1	Ca_kabuli_chr07	12877683	TT	CC	1940399520
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138880_12879094	NC_021166.1	Ca_kabuli_chr07	12879094	TT	GG	1940399531
SNP_P1_138882_12879699	NC_021166.1	Ca_kabuli_chr07	12879699	AA	GG	1940399533
SNP_P1_138883_12880142	NC_021166.1	Ca_kabuli_chr07	12880142	CC	GG	1940399534
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SNP_P1_138885_12880824	NC_021166.1	Ca_kabuli_chr07	12880824	TT	CC	1940399538
SNP_P1_138886_12880941	NC_021166.1	Ca_kabuli_chr07	12880941	TT	CC	1940399540
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SNP_P1_138888_12883434	NC_021166.1	Ca_kabuli_chr07	12883434	AA	CC	1940399543
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138922_12889194	NC_021166.1	Ca_kabuli_chr07	12889194	TT	GG	1940399604
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SNP_P1_138924_12889259	NC_021166.1	Ca_kabuli_chr07	12889259	AA	CC	1940399608
SNP_P1_138926_12889555	NC_021166.1	Ca_kabuli_chr07	12889555	TT	CC	1940399609
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SNP_P1_138935_12896610	NC_021166.1	Ca_kabuli_chr07	12896610	TT	CC	1940399626
SNP_P1_138936_12896874	NC_021166.1	Ca_kabuli_chr07	12896874	AA	GG	1940399627
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SNP_P1_138950_12904147	NC_021166.1	Ca_kabuli_chr07	12904147	GG	AA	1940399651
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SNP_P1_138962_12905100	NC_021166.1	Ca_kabuli_chr07	12905100	CC	GG	1940399670
SNP_P1_138963_12905216	NC_021166.1	Ca_kabuli_chr07	12905216	AA	GG	1940399672
SNP_P1_138964_12905344	NC_021166.1	Ca_kabuli_chr07	12905344	CC	TT	1940399674

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_138967_12905658	NC_021166.1	Ca_kabuli_chr07	12905658	GG	TT	1940399679
SNP_P1_138968_12905756	NC_021166.1	Ca_kabuli_chr07	12905756	TT	CC	1940399681
SNP_P1_138969_12905965	NC_021166.1	Ca_kabuli_chr07	12905965	GG	AA	1940399683
SNP_P1_138971_12906213	NC_021166.1	Ca_kabuli_chr07	12906213	GG	AA	1940399685
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SNP_P1_138973_12906244	NC_021166.1	Ca_kabuli_chr07	12906244	AA	CC	1940399688
SNP_P1_138974_12906246	NC_021166.1	Ca_kabuli_chr07	12906246	GG	AA	1940399690
SNP_P1_138975_12906452	NC_021166.1	Ca_kabuli_chr07	12906452	CC	TT	1940399692
SNP_P1_138976_12906515	NC_021166.1	Ca_kabuli_chr07	12906515	GG	AA	1940399693
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SNP_P1_138978_12906534	NC_021166.1	Ca_kabuli_chr07	12906534	GG	AA	1940399697
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SNP_P1_138980_12906632	NC_021166.1	Ca_kabuli_chr07	12906632	TT	CC	1940399701
SNP_P1_138982_12906760	NC_021166.1	Ca_kabuli_chr07	12906760	CC	AA	1940399702
SNP_P1_138983_12906837	NC_021166.1	Ca_kabuli_chr07	12906837	CC	AA	1940399704
SNP_P1_138984_12907009	NC_021166.1	Ca_kabuli_chr07	12907009	AA	GG	1940399706
SNP_P1_138985_12907371	NC_021166.1	Ca_kabuli_chr07	12907371	GG	AA	1940399708
SNP_P1_138986_12907391	NC_021166.1	Ca_kabuli_chr07	12907391	GG	AA	1940399710
SNP_P1_138987_12907425	NC_021166.1	Ca_kabuli_chr07	12907425	CC	TT	1940399711
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SNP_P1_138989_12907608	NC_021166.1	Ca_kabuli_chr07	12907608	CC	TT	1940399715
SNP_P1_138990_12907613	NC_021166.1	Ca_kabuli_chr07	12907613	CC	AA	1940399717
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SNP_P1_138996_12907871	NC_021166.1	Ca_kabuli_chr07	12907871	TT	AA	1940399727
SNP_P1_138997_12907889	NC_021166.1	Ca_kabuli_chr07	12907889	AA	GG	1940399729
SNP_P1_138998_12909290	NC_021166.1	Ca_kabuli_chr07	12909290	CC	TT	1940399731
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SNP_P1_139000_12909569	NC_021166.1	Ca_kabuli_chr07	12909569	CC	TT	1940399734
SNP_P1_139001_12909693	NC_021166.1	Ca_kabuli_chr07	12909693	AA	CC	1940399736
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SNP_P1_139003_12910211	NC_021166.1	Ca_kabuli_chr07	12910211	CC	TT	1940399740
SNP_P1_139005_12910886	NC_021166.1	Ca_kabuli_chr07	12910886	TT	AA	1940399742
SNP_P1_139006_12911370	NC_021166.1	Ca_kabuli_chr07	12911370	AA	GG	1940399743
SNP_P1_139007_12913009	NC_021166.1	Ca_kabuli_chr07	12913009	AA	GG	1940399745
SNP_P1_139008_12914228	NC_021166.1	Ca_kabuli_chr07	12914228	GG	AA	1940399747
SNP_P1_139010_12914991	NC_021166.1	Ca_kabuli_chr07	12914991	AA	GG	1940399749

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139013_12916350	NC_021166.1	Ca_kabuli_chr07	12916350	GG	AA	1940399752
SNP_P1_139014_12916354	NC_021166.1	Ca_kabuli_chr07	12916354	GG	AA	1940399754
SNP_P1_139015_12916370	NC_021166.1	Ca_kabuli_chr07	12916370	TT	CC	1940399756
SNP_P1_139016_12916375	NC_021166.1	Ca_kabuli_chr07	12916375	CC	TT	1940399758
SNP_P1_139017_12916389	NC_021166.1	Ca_kabuli_chr07	12916389	GG	AA	1940399760
SNP_P1_139018_12916704	NC_021166.1	Ca_kabuli_chr07	12916704	GG	AA	1940399761
SNP_P1_139019_12916955	NC_021166.1	Ca_kabuli_chr07	12916955	CC	GG	1940399763
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SNP_P1_139021_12917150	NC_021166.1	Ca_kabuli_chr07	12917150	GG	AA	1940399767
SNP_P1_139022_12917195	NC_021166.1	Ca_kabuli_chr07	12917195	TT	GG	1940399768
SNP_P1_139023_12917693	NC_021166.1	Ca_kabuli_chr07	12917693	AA	CC	1940399770
SNP_P1_139024_12917829	NC_021166.1	Ca_kabuli_chr07	12917829	CC	TT	1940399772
SNP_P1_139025_12917830	NC_021166.1	Ca_kabuli_chr07	12917830	CC	GG	1940399774
SNP_P1_139026_12918112	NC_021166.1	Ca_kabuli_chr07	12918112	AA	GG	1940399776
SNP_P1_139027_12918261	NC_021166.1	Ca_kabuli_chr07	12918261	TT	CC	1940399777
SNP_P1_139028_12919226	NC_021166.1	Ca_kabuli_chr07	12919226	CC	TT	1940399779
SNP_P1_139029_12919784	NC_021166.1	Ca_kabuli_chr07	12919784	AA	GG	1940399781
SNP_P1_139030_12920650	NC_021166.1	Ca_kabuli_chr07	12920650	TT	CC	1940399783
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SNP_P1_139040_12922119	NC_021166.1	Ca_kabuli_chr07	12922119	AA	GG	1940399799
SNP_P1_139041_12923082	NC_021166.1	Ca_kabuli_chr07	12923082	CC	TT	1940399801
SNP_P1_139042_12923092	NC_021166.1	Ca_kabuli_chr07	12923092	AA	GG	1940399802
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SNP_P1_139052_12924377	NC_021166.1	Ca_kabuli_chr07	12924377	AA	TT	1940399817
SNP_P1_139053_12924474	NC_021166.1	Ca_kabuli_chr07	12924474	GG	TT	1940399818
SNP_P1_139054_12924697	NC_021166.1	Ca_kabuli_chr07	12924697	TT	CC	1940399820
SNP_P1_139055_12924708	NC_021166.1	Ca_kabuli_chr07	12924708	TT	AA	1940399822
SNP_P1_139056_12924709	NC_021166.1	Ca_kabuli_chr07	12924709	CC	TT	1940399824

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139059_12925033	NC_021166.1	Ca_kabuli_chr07	12925033	AA	GG	1940399829
SNP_P1_139060_12928501	NC_021166.1	Ca_kabuli_chr07	12928501	CC	TT	1940399831
SNP_P1_139061_12928533	NC_021166.1	Ca_kabuli_chr07	12928533	TT	CC	1940399833
SNP_P1_139062_12928636	NC_021166.1	Ca_kabuli_chr07	12928636	CC	AA	1940399834
SNP_P1_139063_12928640	NC_021166.1	Ca_kabuli_chr07	12928640	AA	GG	1940399836
SNP_P1_139064_12928753	NC_021166.1	Ca_kabuli_chr07	12928753	AA	GG	1940399838
SNP_P1_139065_12928760	NC_021166.1	Ca_kabuli_chr07	12928760	GG	AA	1940399840
SNP_P1_139066_12928799	NC_021166.1	Ca_kabuli_chr07	12928799	AA	GG	1940399842
SNP_P1_139067_12928809	NC_021166.1	Ca_kabuli_chr07	12928809	AA	GG	1940399843
SNP_P1_139068_12928832	NC_021166.1	Ca_kabuli_chr07	12928832	CC	TT	1940399845
SNP_P1_139069_12928835	NC_021166.1	Ca_kabuli_chr07	12928835	AA	GG	1940399847
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SNP_P1_139073_12932622	NC_021166.1	Ca_kabuli_chr07	12932622	AA	GG	1940399854
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SNP_P1_139075_12933139	NC_021166.1	Ca_kabuli_chr07	12933139	CC	TT	1940399858
SNP_P1_139076_12933243	NC_021166.1	Ca_kabuli_chr07	12933243	GG	AA	1940399859
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SNP_P1_139078_12933433	NC_021166.1	Ca_kabuli_chr07	12933433	GG	TT	1940399863
SNP_P1_139079_12933491	NC_021166.1	Ca_kabuli_chr07	12933491	GG	AA	1940399865
SNP_P1_139080_12933497	NC_021166.1	Ca_kabuli_chr07	12933497	TT	CC	1940399867
SNP_P1_139081_12933586	NC_021166.1	Ca_kabuli_chr07	12933586	TT	CC	1940399868
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SNP_P1_139083_12934616	NC_021166.1	Ca_kabuli_chr07	12934616	AA	CC	1940399872
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SNP_P1_139087_12934987	NC_021166.1	Ca_kabuli_chr07	12934987	TT	AA	1940399879
SNP_P1_139088_12934991	NC_021166.1	Ca_kabuli_chr07	12934991	TT	CC	1940399881
SNP_P1_139089_12935013	NC_021166.1	Ca_kabuli_chr07	12935013	GG	AA	1940399883
SNP_P1_139090_12935103	NC_021166.1	Ca_kabuli_chr07	12935103	CC	TT	1940399884
SNP_P1_139091_12939257	NC_021166.1	Ca_kabuli_chr07	12939257	AA	GG	1940399886
SNP_P1_139092_12939905	NC_021166.1	Ca_kabuli_chr07	12939905	AA	GG	1940399888
SNP_P1_139094_12940281	NC_021166.1	Ca_kabuli_chr07	12940281	AA	GG	1940399890
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SNP_P1_139096_12940670	NC_021166.1	Ca_kabuli_chr07	12940670	AA	GG	1940399893
SNP_P1_139097_12940712	NC_021166.1	Ca_kabuli_chr07	12940712	TT	CC	1940399895
SNP_P1_139098_12940720	NC_021166.1	Ca_kabuli_chr07	12940720	TT	CC	1940399897
SNP_P1_139099_12940730	NC_021166.1	Ca_kabuli_chr07	12940730	GG	TT	1940399899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139102_12940969	NC_021166.1	Ca_kabuli_chr07	12940969	CC	TT	1940399904
SNP_P1_139103_12940993	NC_021166.1	Ca_kabuli_chr07	12940993	CC	TT	1940399906
SNP_P1_139104_12941359	NC_021166.1	Ca_kabuli_chr07	12941359	AA	GG	1940399908
SNP_P1_139105_12942058	NC_021166.1	Ca_kabuli_chr07	12942058	GG	AA	1940399910
SNP_P1_139106_12945283	NC_021166.1	Ca_kabuli_chr07	12945283	TT	GG	1940399911
SNP_P1_139107_12945328	NC_021166.1	Ca_kabuli_chr07	12945328	CC	AA	1940399913
SNP_P1_139108_12947821	NC_021166.1	Ca_kabuli_chr07	12947821	GG	AA	1940399915
SNP_P1_139109_12947973	NC_021166.1	Ca_kabuli_chr07	12947973	AA	TT	1940399917
SNP_P1_139110_12948365	NC_021166.1	Ca_kabuli_chr07	12948365	TT	CC	1940399918
SNP_P1_139111_12948400	NC_021166.1	Ca_kabuli_chr07	12948400	GG	TT	1940399920
SNP_P1_139112_12948467	NC_021166.1	Ca_kabuli_chr07	12948467	CC	TT	1940399922
SNP_P1_139113_12949807	NC_021166.1	Ca_kabuli_chr07	12949807	AA	GG	1940399924
SNP_P1_139115_12952891	NC_021166.1	Ca_kabuli_chr07	12952891	AA	GG	1940399926
SNP_P1_139116_12952911	NC_021166.1	Ca_kabuli_chr07	12952911	AA	GG	1940399927
SNP_P1_139117_12953816	NC_021166.1	Ca_kabuli_chr07	12953816	AA	GG	1940399929
SNP_P1_139118_12953835	NC_021166.1	Ca_kabuli_chr07	12953835	AA	CC	1940399931
SNP_P1_139119_12953894	NC_021166.1	Ca_kabuli_chr07	12953894	TT	AA	1940399933
SNP_P1_139120_12953926	NC_021166.1	Ca_kabuli_chr07	12953926	AA	GG	1940399935
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SNP_P1_139122_12954250	NC_021166.1	Ca_kabuli_chr07	12954250	AA	TT	1940399938
SNP_P1_139126_12960892	NC_021166.1	Ca_kabuli_chr07	12960892	CC	TT	1940399940
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SNP_P1_139133_12980319	NC_021166.1	Ca_kabuli_chr07	12980319	CC	TT	1940399949
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SNP_P1_139135_13004064	NC_021166.1	Ca_kabuli_chr07	13004064	GG	AA	1940399952
SNP_P1_139136_13018898	NC_021166.1	Ca_kabuli_chr07	13018898	CC	TT	1940399954
SNP_P1_139137_13026545	NC_021166.1	Ca_kabuli_chr07	13026545	TT	AA	1940399956
SNP_P1_139138_13028339	NC_021166.1	Ca_kabuli_chr07	13028339	TT	CC	1940399958
SNP_P1_139139_13028370	NC_021166.1	Ca_kabuli_chr07	13028370	CC	TT	1940399959
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SNP_P1_139145_13031342	NC_021166.1	Ca_kabuli_chr07	13031342	GG	TT	1940399970
SNP_P1_139146_13031742	NC_021166.1	Ca_kabuli_chr07	13031742	GG	AA	1940399972
SNP_P1_139150_13033761	NC_021166.1	Ca_kabuli_chr07	13033761	TT	GG	1940399974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139153_13034133	NC_021166.1	Ca_kabuli_chr07	13034133	GG	TT	1940399979
SNP_P1_139154_13034635	NC_021166.1	Ca_kabuli_chr07	13034635	AA	GG	1940399981
SNP_P1_139155_13034683	NC_021166.1	Ca_kabuli_chr07	13034683	AA	GG	1940399983
SNP_P1_139156_13035770	NC_021166.1	Ca_kabuli_chr07	13035770	TT	CC	1940399984
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SNP_P1_139161_13037030	NC_021166.1	Ca_kabuli_chr07	13037030	TT	AA	1940399993
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SNP_P1_139168_13039965	NC_021166.1	Ca_kabuli_chr07	13039965	TT	GG	1940400004
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SNP_P1_139173_13040874	NC_021166.1	Ca_kabuli_chr07	13040874	AA	GG	1940400011
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SNP_P1_139175_13042737	NC_021166.1	Ca_kabuli_chr07	13042737	CC	TT	1940400015
SNP_P1_139176_13044844	NC_021166.1	Ca_kabuli_chr07	13044844	AA	GG	1940400017
SNP_P1_139177_13044886	NC_021166.1	Ca_kabuli_chr07	13044886	TT	CC	1940400018
SNP_P1_139178_13045164	NC_021166.1	Ca_kabuli_chr07	13045164	AA	CC	1940400020
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SNP_P1_139182_13047916	NC_021166.1	Ca_kabuli_chr07	13047916	GG	AA	1940400026
SNP_P1_139183_13048045	NC_021166.1	Ca_kabuli_chr07	13048045	AA	TT	1940400027
SNP_P1_139184_13048090	NC_021166.1	Ca_kabuli_chr07	13048090	AA	GG	1940400029
SNP_P1_139186_13048178	NC_021166.1	Ca_kabuli_chr07	13048178	TT	AA	1940400031
SNP_P1_139187_13048204	NC_021166.1	Ca_kabuli_chr07	13048204	CC	TT	1940400033
SNP_P1_139188_13048211	NC_021166.1	Ca_kabuli_chr07	13048211	TT	CC	1940400034
SNP_P1_139189_13049844	NC_021166.1	Ca_kabuli_chr07	13049844	CC	TT	1940400036
SNP_P1_139190_13050042	NC_021166.1	Ca_kabuli_chr07	13050042	TT	CC	1940400038
SNP_P1_139191_13050182	NC_021166.1	Ca_kabuli_chr07	13050182	CC	AA	1940400040
SNP_P1_139192_13051062	NC_021166.1	Ca_kabuli_chr07	13051062	TT	CC	1940400042
SNP_P1_139193_13052053	NC_021166.1	Ca_kabuli_chr07	13052053	AA	CC	1940400043
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SNP_P1_139195_13052531	NC_021166.1	Ca_kabuli_chr07	13052531	AA	GG	1940400047
SNP_P1_139197_13055350	NC_021166.1	Ca_kabuli_chr07	13055350	AA	GG	1940400049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139201_13056484	NC_021166.1	Ca_kabuli_chr07	13056484	TT	CC	1940400054
SNP_P1_139202_13056510	NC_021166.1	Ca_kabuli_chr07	13056510	CC	TT	1940400056
SNP_P1_139203_13056875	NC_021166.1	Ca_kabuli_chr07	13056875	CC	TT	1940400058
SNP_P1_139204_13056904	NC_021166.1	Ca_kabuli_chr07	13056904	TT	AA	1940400059
SNP_P1_139205_13058160	NC_021166.1	Ca_kabuli_chr07	13058160	GG	AA	1940400061
SNP_P1_139206_13060544	NC_021166.1	Ca_kabuli_chr07	13060544	GG	TT	1940400063
SNP_P1_139209_13061250	NC_021166.1	Ca_kabuli_chr07	13061250	TT	CC	1940400065
SNP_P1_139210_13061259	NC_021166.1	Ca_kabuli_chr07	13061259	CC	GG	1940400067
SNP_P1_139211_13061283	NC_021166.1	Ca_kabuli_chr07	13061283	AA	TT	1940400068
SNP_P1_139212_13061362	NC_021166.1	Ca_kabuli_chr07	13061362	CC	TT	1940400070
SNP_P1_139213_13061376	NC_021166.1	Ca_kabuli_chr07	13061376	AA	CC	1940400072
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SNP_P1_139218_13061715	NC_021166.1	Ca_kabuli_chr07	13061715	TT	CC	1940400079
SNP_P1_139219_13062228	NC_021166.1	Ca_kabuli_chr07	13062228	GG	AA	1940400081
SNP_P1_139220_13062245	NC_021166.1	Ca_kabuli_chr07	13062245	AA	GG	1940400083
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SNP_P1_139222_13062263	NC_021166.1	Ca_kabuli_chr07	13062263	CC	TT	1940400086
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SNP_P1_139230_13064797	NC_021166.1	Ca_kabuli_chr07	13064797	GG	AA	1940400099
SNP_P1_139231_13064817	NC_021166.1	Ca_kabuli_chr07	13064817	CC	TT	1940400101
SNP_P1_139232_13064818	NC_021166.1	Ca_kabuli_chr07	13064818	AA	CC	1940400102
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SNP_P1_139242_13066818	NC_021166.1	Ca_kabuli_chr07	13066818	GG	AA	1940400118
SNP_P1_139243_13066906	NC_021166.1	Ca_kabuli_chr07	13066906	TT	GG	1940400120
SNP_P1_139244_13067036	NC_021166.1	Ca_kabuli_chr07	13067036	CC	TT	1940400122
SNP_P1_139245_13067089	NC_021166.1	Ca_kabuli_chr07	13067089	TT	AA	1940400124

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139248_13068287	NC_021166.1	Ca_kabuli_chr07	13068287	AA	TT	1940400129
SNP_P1_139249_13068305	NC_021166.1	Ca_kabuli_chr07	13068305	CC	TT	1940400131
SNP_P1_139251_13068529	NC_021166.1	Ca_kabuli_chr07	13068529	AA	GG	1940400133
SNP_P1_139252_13068590	NC_021166.1	Ca_kabuli_chr07	13068590	AA	CC	1940400134
SNP_P1_139254_13068845	NC_021166.1	Ca_kabuli_chr07	13068845	CC	GG	1940400136
SNP_P1_139255_13068859	NC_021166.1	Ca_kabuli_chr07	13068859	AA	CC	1940400138
SNP_P1_139256_13068885	NC_021166.1	Ca_kabuli_chr07	13068885	GG	TT	1940400140
SNP_P1_139257_13069306	NC_021166.1	Ca_kabuli_chr07	13069306	TT	GG	1940400142
SNP_P1_139258_13070163	NC_021166.1	Ca_kabuli_chr07	13070163	GG	TT	1940400143
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SNP_P1_139260_13070213	NC_021166.1	Ca_kabuli_chr07	13070213	AA	GG	1940400147
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SNP_P1_139264_13071674	NC_021166.1	Ca_kabuli_chr07	13071674	TT	AA	1940400152
SNP_P1_139265_13071906	NC_021166.1	Ca_kabuli_chr07	13071906	TT	CC	1940400154
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SNP_P1_139269_13086035	NC_021166.1	Ca_kabuli_chr07	13086035	AA	CC	1940400161
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SNP_P1_139272_13092097	NC_021166.1	Ca_kabuli_chr07	13092097	CC	TT	1940400167
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SNP_P1_139278_13104320	NC_021166.1	Ca_kabuli_chr07	13104320	TT	GG	1940400177
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SNP_P1_139280_13104964	NC_021166.1	Ca_kabuli_chr07	13104964	CC	TT	1940400181
SNP_P1_139281_13105839	NC_021166.1	Ca_kabuli_chr07	13105839	TT	AA	1940400183
SNP_P1_139282_13106082	NC_021166.1	Ca_kabuli_chr07	13106082	AA	GG	1940400184
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SNP_P1_139284_13106506	NC_021166.1	Ca_kabuli_chr07	13106506	GG	AA	1940400188
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SNP_P1_139287_13129227	NC_021166.1	Ca_kabuli_chr07	13129227	CC	AA	1940400193
SNP_P1_139288_13129627	NC_021166.1	Ca_kabuli_chr07	13129627	AA	CC	1940400195
SNP_P1_139290_13131864	NC_021166.1	Ca_kabuli_chr07	13131864	TT	CC	1940400197
SNP_P1_139291_13135543	NC_021166.1	Ca_kabuli_chr07	13135543	CC	TT	1940400199

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139294_13136034	NC_021166.1	Ca_kabuli_chr07	13136034	AA	GG	1940400204
SNP_P1_139295_13136342	NC_021166.1	Ca_kabuli_chr07	13136342	AA	GG	1940400206
SNP_P1_139296_13140354	NC_021166.1	Ca_kabuli_chr07	13140354	CC	AA	1940400208
SNP_P1_139297_13140482	NC_021166.1	Ca_kabuli_chr07	13140482	CC	AA	1940400209
SNP_P1_139298_13140507	NC_021166.1	Ca_kabuli_chr07	13140507	TT	AA	1940400211
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SNP_P1_139300_13141128	NC_021166.1	Ca_kabuli_chr07	13141128	TT	CC	1940400215
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SNP_P1_139324_13168770	NC_021166.1	Ca_kabuli_chr07	13168770	GG	TT	1940400256
SNP_P1_139325_13169088	NC_021166.1	Ca_kabuli_chr07	13169088	CC	GG	1940400258
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SNP_P1_139334_13172339	NC_021166.1	Ca_kabuli_chr07	13172339	AA	GG	1940400274

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139338_13172421	NC_021166.1	Ca_kabuli_chr07	13172421	TT	AA	1940400281
SNP_P1_139339_13172535	NC_021166.1	Ca_kabuli_chr07	13172535	AA	TT	1940400283
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SNP_P1_139359_13180881	NC_021166.1	Ca_kabuli_chr07	13180881	GG	AA	1940400315
SNP_P1_139360_13181272	NC_021166.1	Ca_kabuli_chr07	13181272	AA	GG	1940400317
SNP_P1_139363_13183394	NC_021166.1	Ca_kabuli_chr07	13183394	CC	TT	1940400318
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SNP_P1_139371_13186361	NC_021166.1	Ca_kabuli_chr07	13186361	AA	GG	1940400329
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SNP_P1_139373_13186698	NC_021166.1	Ca_kabuli_chr07	13186698	CC	GG	1940400333
SNP_P1_139374_13186735	NC_021166.1	Ca_kabuli_chr07	13186735	TT	AA	1940400334
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SNP_P1_139376_13186739	NC_021166.1	Ca_kabuli_chr07	13186739	GG	AA	1940400338
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SNP_P1_139380_13187083	NC_021166.1	Ca_kabuli_chr07	13187083	TT	CC	1940400345
SNP_P1_139381_13187499	NC_021166.1	Ca_kabuli_chr07	13187499	AA	TT	1940400347
SNP_P1_139384_13187676	NC_021166.1	Ca_kabuli_chr07	13187676	TT	CC	1940400349

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139386_13188112	NC_021166.1	Ca_kabuli_chr07	13188112	CC	TT	1940400352
SNP_P1_139388_13193011	NC_021166.1	Ca_kabuli_chr07	13193011	TT	CC	1940400354
SNP_P1_139389_13193019	NC_021166.1	Ca_kabuli_chr07	13193019	AA	GG	1940400356
SNP_P1_139391_13193752	NC_021166.1	Ca_kabuli_chr07	13193752	CC	TT	1940400358
SNP_P1_139392_13193754	NC_021166.1	Ca_kabuli_chr07	13193754	TT	CC	1940400359
SNP_P1_139393_13193805	NC_021166.1	Ca_kabuli_chr07	13193805	TT	CC	1940400361
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SNP_P1_139396_13193931	NC_021166.1	Ca_kabuli_chr07	13193931	GG	AA	1940400365
SNP_P1_139397_13194021	NC_021166.1	Ca_kabuli_chr07	13194021	CC	AA	1940400367
SNP_P1_139398_13194131	NC_021166.1	Ca_kabuli_chr07	13194131	CC	TT	1940400368
SNP_P1_139399_13194884	NC_021166.1	Ca_kabuli_chr07	13194884	AA	CC	1940400370
SNP_P1_139400_13194901	NC_021166.1	Ca_kabuli_chr07	13194901	AA	GG	1940400372
SNP_P1_139401_13194912	NC_021166.1	Ca_kabuli_chr07	13194912	CC	TT	1940400374
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SNP_P1_139411_13196803	NC_021166.1	Ca_kabuli_chr07	13196803	TT	CC	1940400384
SNP_P1_139412_13196804	NC_021166.1	Ca_kabuli_chr07	13196804	AA	GG	1940400386
SNP_P1_139413_13196825	NC_021166.1	Ca_kabuli_chr07	13196825	CC	TT	1940400388
SNP_P1_139414_13196838	NC_021166.1	Ca_kabuli_chr07	13196838	GG	AA	1940400390
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SNP_P1_139416_13197051	NC_021166.1	Ca_kabuli_chr07	13197051	GG	CC	1940400393
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SNP_P1_139422_13201074	NC_021166.1	Ca_kabuli_chr07	13201074	GG	AA	1940400402
SNP_P1_139423_13201084	NC_021166.1	Ca_kabuli_chr07	13201084	TT	AA	1940400404
SNP_P1_139425_13201127	NC_021166.1	Ca_kabuli_chr07	13201127	GG	AA	1940400406
SNP_P1_139426_13201154	NC_021166.1	Ca_kabuli_chr07	13201154	CC	AA	1940400408
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SNP_P1_139428_13201518	NC_021166.1	Ca_kabuli_chr07	13201518	TT	CC	1940400411
SNP_P1_139430_13201849	NC_021166.1	Ca_kabuli_chr07	13201849	AA	TT	1940400413
SNP_P1_139431_13202194	NC_021166.1	Ca_kabuli_chr07	13202194	TT	CC	1940400415
SNP_P1_139432_13202224	NC_021166.1	Ca_kabuli_chr07	13202224	GG	AA	1940400417
SNP_P1_139433_13202294	NC_021166.1	Ca_kabuli_chr07	13202294	AA	GG	1940400418
SNP_P1_139434_13202299	NC_021166.1	Ca_kabuli_chr07	13202299	AA	GG	1940400420
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139438_13202447	NC_021166.1	Ca_kabuli_chr07	13202447	GG	AA	1940400427
SNP_P1_139439_13202542	NC_021166.1	Ca_kabuli_chr07	13202542	AA	TT	1940400429
SNP_P1_139440_13203680	NC_021166.1	Ca_kabuli_chr07	13203680	GG	AA	1940400431
SNP_P1_139441_13204023	NC_021166.1	Ca_kabuli_chr07	13204023	TT	AA	1940400433
SNP_P1_139442_13204521	NC_021166.1	Ca_kabuli_chr07	13204521	AA	TT	1940400435
SNP_P1_139443_13204551	NC_021166.1	Ca_kabuli_chr07	13204551	GG	TT	1940400436
SNP_P1_139444_13205250	NC_021166.1	Ca_kabuli_chr07	13205250	TT	CC	1940400438
SNP_P1_139445_13205256	NC_021166.1	Ca_kabuli_chr07	13205256	GG	AA	1940400440
SNP_P1_139446_13205273	NC_021166.1	Ca_kabuli_chr07	13205273	TT	CC	1940400442
SNP_P1_139447_13205464	NC_021166.1	Ca_kabuli_chr07	13205464	GG	TT	1940400443
SNP_P1_139448_13205545	NC_021166.1	Ca_kabuli_chr07	13205545	TT	CC	1940400445
SNP_P1_139449_13205804	NC_021166.1	Ca_kabuli_chr07	13205804	TT	CC	1940400447
SNP_P1_139450_13206334	NC_021166.1	Ca_kabuli_chr07	13206334	TT	CC	1940400449
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SNP_P1_139453_13207837	NC_021166.1	Ca_kabuli_chr07	13207837	TT	CC	1940400454
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SNP_P1_139459_13208029	NC_021166.1	Ca_kabuli_chr07	13208029	GG	AA	1940400465
SNP_P1_139460_13208320	NC_021166.1	Ca_kabuli_chr07	13208320	CC	TT	1940400467
SNP_P1_139461_13208504	NC_021166.1	Ca_kabuli_chr07	13208504	TT	GG	1940400468
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SNP_P1_139464_13208978	NC_021166.1	Ca_kabuli_chr07	13208978	TT	CC	1940400474
SNP_P1_139465_13209160	NC_021166.1	Ca_kabuli_chr07	13209160	TT	AA	1940400476
SNP_P1_139466_13209507	NC_021166.1	Ca_kabuli_chr07	13209507	AA	GG	1940400477
SNP_P1_139468_13209830	NC_021166.1	Ca_kabuli_chr07	13209830	AA	GG	1940400479
SNP_P1_139470_13210956	NC_021166.1	Ca_kabuli_chr07	13210956	CC	TT	1940400481
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SNP_P1_139472_13211026	NC_021166.1	Ca_kabuli_chr07	13211026	CC	TT	1940400485
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SNP_P1_139476_13211232	NC_021166.1	Ca_kabuli_chr07	13211232	AA	GG	1940400492
SNP_P1_139477_13211266	NC_021166.1	Ca_kabuli_chr07	13211266	CC	TT	1940400493
SNP_P1_139478_13211289	NC_021166.1	Ca_kabuli_chr07	13211289	CC	TT	1940400495
SNP_P1_139479_13211447	NC_021166.1	Ca_kabuli_chr07	13211447	TT	CC	1940400497
SNP_P1_139480_13211455	NC_021166.1	Ca_kabuli_chr07	13211455	CC	TT	1940400499

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139482_13211495	NC_021166.1	Ca_kabuli_chr07	13211495	CC	TT	1940400502
SNP_P1_139483_13211513	NC_021166.1	Ca_kabuli_chr07	13211513	GG	CC	1940400504
SNP_P1_139484_13211968	NC_021166.1	Ca_kabuli_chr07	13211968	TT	AA	1940400506
SNP_P1_139485_13211990	NC_021166.1	Ca_kabuli_chr07	13211990	AA	CC	1940400508
SNP_P1_139486_13212047	NC_021166.1	Ca_kabuli_chr07	13212047	GG	CC	1940400510
SNP_P1_139487_13212107	NC_021166.1	Ca_kabuli_chr07	13212107	AA	TT	1940400511
SNP_P1_139488_13212815	NC_021166.1	Ca_kabuli_chr07	13212815	TT	AA	1940400513
SNP_P1_139489_13212816	NC_021166.1	Ca_kabuli_chr07	13212816	TT	AA	1940400515
SNP_P1_139490_13212898	NC_021166.1	Ca_kabuli_chr07	13212898	TT	CC	1940400517
SNP_P1_139492_13213358	NC_021166.1	Ca_kabuli_chr07	13213358	GG	TT	1940400518
SNP_P1_139493_13213710	NC_021166.1	Ca_kabuli_chr07	13213710	TT	GG	1940400520
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SNP_P1_139498_13216539	NC_021166.1	Ca_kabuli_chr07	13216539	GG	AA	1940400529
SNP_P1_139499_13216613	NC_021166.1	Ca_kabuli_chr07	13216613	TT	CC	1940400531
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SNP_P1_139510_13222871	NC_021166.1	Ca_kabuli_chr07	13222871	TT	AA	1940400551
SNP_P1_139511_13223056	NC_021166.1	Ca_kabuli_chr07	13223056	CC	TT	1940400552
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SNP_P1_139513_13223244	NC_021166.1	Ca_kabuli_chr07	13223244	TT	CC	1940400556
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SNP_P1_139516_13223827	NC_021166.1	Ca_kabuli_chr07	13223827	AA	GG	1940400561
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SNP_P1_139518_13223834	NC_021166.1	Ca_kabuli_chr07	13223834	GG	AA	1940400565
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SNP_P1_139522_13225015	NC_021166.1	Ca_kabuli_chr07	13225015	TT	CC	1940400570
SNP_P1_139523_13225024	NC_021166.1	Ca_kabuli_chr07	13225024	CC	TT	1940400572
SNP_P1_139524_13225296	NC_021166.1	Ca_kabuli_chr07	13225296	CC	AA	1940400574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139527_13226081	NC_021166.1	Ca_kabuli_chr07	13226081	CC	AA	1940400579
SNP_P1_139528_13226107	NC_021166.1	Ca_kabuli_chr07	13226107	CC	TT	1940400581
SNP_P1_139529_13226118	NC_021166.1	Ca_kabuli_chr07	13226118	AA	CC	1940400583
SNP_P1_139530_13226188	NC_021166.1	Ca_kabuli_chr07	13226188	TT	CC	1940400585
SNP_P1_139531_13226267	NC_021166.1	Ca_kabuli_chr07	13226267	TT	CC	1940400586
SNP_P1_139532_13226271	NC_021166.1	Ca_kabuli_chr07	13226271	GG	AA	1940400588
SNP_P1_139533_13226293	NC_021166.1	Ca_kabuli_chr07	13226293	GG	AA	1940400590
SNP_P1_139535_13226377	NC_021166.1	Ca_kabuli_chr07	13226377	AA	TT	1940400592
SNP_P1_139536_13227920	NC_021166.1	Ca_kabuli_chr07	13227920	CC	TT	1940400593
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SNP_P1_139538_13239246	NC_021166.1	Ca_kabuli_chr07	13239246	AA	GG	1940400597
SNP_P1_139539_13239499	NC_021166.1	Ca_kabuli_chr07	13239499	CC	TT	1940400599
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SNP_P1_139542_13239565	NC_021166.1	Ca_kabuli_chr07	13239565	TT	AA	1940400604
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SNP_P1_139545_13242452	NC_021166.1	Ca_kabuli_chr07	13242452	AA	GG	1940400610
SNP_P1_139546_13244554	NC_021166.1	Ca_kabuli_chr07	13244554	CC	AA	1940400611
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SNP_P1_139558_13250138	NC_021166.1	Ca_kabuli_chr07	13250138	TT	CC	1940400629
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SNP_P1_139560_13250387	NC_021166.1	Ca_kabuli_chr07	13250387	GG	AA	1940400633
SNP_P1_139561_13254210	NC_021166.1	Ca_kabuli_chr07	13254210	GG	CC	1940400635
SNP_P1_139563_13255359	NC_021166.1	Ca_kabuli_chr07	13255359	GG	AA	1940400636
SNP_P1_139564_13255733	NC_021166.1	Ca_kabuli_chr07	13255733	AA	GG	1940400638
SNP_P1_139565_13256072	NC_021166.1	Ca_kabuli_chr07	13256072	AA	TT	1940400640
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SNP_P1_139567_13258021	NC_021166.1	Ca_kabuli_chr07	13258021	GG	AA	1940400643
SNP_P1_139568_13258088	NC_021166.1	Ca_kabuli_chr07	13258088	GG	TT	1940400645
SNP_P1_139569_13258090	NC_021166.1	Ca_kabuli_chr07	13258090	TT	CC	1940400647
SNP_P1_139570_13258306	NC_021166.1	Ca_kabuli_chr07	13258306	AA	CC	1940400649

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139573_13259915	NC_021166.1	Ca_kabuli_chr07	13259915	GG	AA	1940400654
SNP_P1_139574_13261414	NC_021166.1	Ca_kabuli_chr07	13261414	CC	TT	1940400656
SNP_P1_139575_13261461	NC_021166.1	Ca_kabuli_chr07	13261461	AA	GG	1940400658
SNP_P1_139576_13263188	NC_021166.1	Ca_kabuli_chr07	13263188	GG	TT	1940400660
SNP_P1_139577_13263226	NC_021166.1	Ca_kabuli_chr07	13263226	AA	CC	1940400661
SNP_P1_139578_13263264	NC_021166.1	Ca_kabuli_chr07	13263264	TT	GG	1940400663
SNP_P1_139579_13263806	NC_021166.1	Ca_kabuli_chr07	13263806	GG	AA	1940400665
SNP_P1_139580_13263838	NC_021166.1	Ca_kabuli_chr07	13263838	AA	CC	1940400667
SNP_P1_139581_13263923	NC_021166.1	Ca_kabuli_chr07	13263923	AA	GG	1940400669
SNP_P1_139582_13264248	NC_021166.1	Ca_kabuli_chr07	13264248	TT	CC	1940400670
SNP_P1_139583_13264864	NC_021166.1	Ca_kabuli_chr07	13264864	TT	AA	1940400672
SNP_P1_139584_13264910	NC_021166.1	Ca_kabuli_chr07	13264910	AA	GG	1940400674
SNP_P1_139585_13266137	NC_021166.1	Ca_kabuli_chr07	13266137	TT	CC	1940400676
SNP_P1_139586_13266261	NC_021166.1	Ca_kabuli_chr07	13266261	AA	GG	1940400677
SNP_P1_139587_13266641	NC_021166.1	Ca_kabuli_chr07	13266641	GG	AA	1940400679
SNP_P1_139588_13278595	NC_021166.1	Ca_kabuli_chr07	13278595	TT	CC	1940400681
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SNP_P1_139591_13279026	NC_021166.1	Ca_kabuli_chr07	13279026	CC	TT	1940400686
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SNP_P1_139595_13281351	NC_021166.1	Ca_kabuli_chr07	13281351	TT	AA	1940400694
SNP_P1_139596_13281374	NC_021166.1	Ca_kabuli_chr07	13281374	GG	TT	1940400695
SNP_P1_139597_13281398	NC_021166.1	Ca_kabuli_chr07	13281398	GG	AA	1940400697
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SNP_P1_139602_13283491	NC_021166.1	Ca_kabuli_chr07	13283491	AA	GG	1940400702
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SNP_P1_139604_13283699	NC_021166.1	Ca_kabuli_chr07	13283699	TT	CC	1940400706
SNP_P1_139605_13283887	NC_021166.1	Ca_kabuli_chr07	13283887	AA	GG	1940400708
SNP_P1_139606_13283914	NC_021166.1	Ca_kabuli_chr07	13283914	AA	GG	1940400710
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SNP_P1_139609_13284658	NC_021166.1	Ca_kabuli_chr07	13284658	CC	AA	1940400715
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SNP_P1_139611_13284684	NC_021166.1	Ca_kabuli_chr07	13284684	CC	TT	1940400719
SNP_P1_139613_13284990	NC_021166.1	Ca_kabuli_chr07	13284990	TT	AA	1940400720
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SNP_P1_139616_13285132	NC_021166.1	Ca_kabuli_chr07	13285132	TT	CC	1940400724

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139619_13285152	NC_021166.1	Ca_kabuli_chr07	13285152	TT	CC	1940400729
SNP_P1_139620_13285223	NC_021166.1	Ca_kabuli_chr07	13285223	TT	CC	1940400731
SNP_P1_139621_13285693	NC_021166.1	Ca_kabuli_chr07	13285693	CC	TT	1940400733
SNP_P1_139622_13285694	NC_021166.1	Ca_kabuli_chr07	13285694	TT	CC	1940400735
SNP_P1_139625_13289865	NC_021166.1	Ca_kabuli_chr07	13289865	TT	CC	1940400736
SNP_P1_139626_13290217	NC_021166.1	Ca_kabuli_chr07	13290217	TT	AA	1940400738
SNP_P1_139627_13293405	NC_021166.1	Ca_kabuli_chr07	13293405	AA	GG	1940400740
SNP_P1_139628_13294345	NC_021166.1	Ca_kabuli_chr07	13294345	CC	TT	1940400742
SNP_P1_139629_13295719	NC_021166.1	Ca_kabuli_chr07	13295719	GG	TT	1940400744
SNP_P1_139630_13295831	NC_021166.1	Ca_kabuli_chr07	13295831	AA	GG	1940400745
SNP_P1_139631_13295834	NC_021166.1	Ca_kabuli_chr07	13295834	GG	AA	1940400747
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SNP_P1_139639_13299347	NC_021166.1	Ca_kabuli_chr07	13299347	CC	AA	1940400760
SNP_P1_139640_13299433	NC_021166.1	Ca_kabuli_chr07	13299433	TT	GG	1940400761
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SNP_P1_139643_13299970	NC_021166.1	Ca_kabuli_chr07	13299970	TT	CC	1940400767
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SNP_P1_139650_13300278	NC_021166.1	Ca_kabuli_chr07	13300278	AA	GG	1940400777
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SNP_P1_139657_13301126	NC_021166.1	Ca_kabuli_chr07	13301126	GG	AA	1940400788
SNP_P1_139658_13301137	NC_021166.1	Ca_kabuli_chr07	13301137	GG	CC	1940400790
SNP_P1_139659_13301202	NC_021166.1	Ca_kabuli_chr07	13301202	CC	TT	1940400792
SNP_P1_139660_13301501	NC_021166.1	Ca_kabuli_chr07	13301501	AA	CC	1940400794
SNP_P1_139661_13301560	NC_021166.1	Ca_kabuli_chr07	13301560	TT	CC	1940400795
SNP_P1_139662_13301565	NC_021166.1	Ca_kabuli_chr07	13301565	GG	CC	1940400797
SNP_P1_139663_13301762	NC_021166.1	Ca_kabuli_chr07	13301762	CC	AA	1940400799

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139666_13301826	NC_021166.1	Ca_kabuli_chr07	13301826	TT	CC	1940400804
SNP_P1_139667_13301833	NC_021166.1	Ca_kabuli_chr07	13301833	AA	TT	1940400806
SNP_P1_139668_13301843	NC_021166.1	Ca_kabuli_chr07	13301843	AA	GG	1940400808
SNP_P1_139669_13301860	NC_021166.1	Ca_kabuli_chr07	13301860	GG	AA	1940400810
SNP_P1_139670_13302194	NC_021166.1	Ca_kabuli_chr07	13302194	AA	CC	1940400811
SNP_P1_139672_13302567	NC_021166.1	Ca_kabuli_chr07	13302567	GG	TT	1940400813
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SNP_P1_139674_13302830	NC_021166.1	Ca_kabuli_chr07	13302830	TT	AA	1940400817
SNP_P1_139675_13302905	NC_021166.1	Ca_kabuli_chr07	13302905	TT	CC	1940400819
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SNP_P1_139679_13303318	NC_021166.1	Ca_kabuli_chr07	13303318	CC	TT	1940400824
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SNP_P1_139681_13303559	NC_021166.1	Ca_kabuli_chr07	13303559	AA	GG	1940400828
SNP_P1_139682_13303641	NC_021166.1	Ca_kabuli_chr07	13303641	GG	CC	1940400829
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SNP_P1_139685_13303838	NC_021166.1	Ca_kabuli_chr07	13303838	TT	AA	1940400835
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SNP_P1_139687_13303915	NC_021166.1	Ca_kabuli_chr07	13303915	TT	CC	1940400838
SNP_P1_139688_13304115	NC_021166.1	Ca_kabuli_chr07	13304115	TT	CC	1940400840
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SNP_P1_139693_13306246	NC_021166.1	Ca_kabuli_chr07	13306246	GG	AA	1940400849
SNP_P1_139694_13306295	NC_021166.1	Ca_kabuli_chr07	13306295	CC	TT	1940400851
SNP_P1_139695_13306619	NC_021166.1	Ca_kabuli_chr07	13306619	AA	GG	1940400853
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SNP_P1_139699_13306948	NC_021166.1	Ca_kabuli_chr07	13306948	AA	GG	1940400858
SNP_P1_139700_13306949	NC_021166.1	Ca_kabuli_chr07	13306949	TT	GG	1940400860
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SNP_P1_139705_13308070	NC_021166.1	Ca_kabuli_chr07	13308070	CC	AA	1940400863
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SNP_P1_139708_13308212	NC_021166.1	Ca_kabuli_chr07	13308212	AA	GG	1940400869
SNP_P1_139709_13308245	NC_021166.1	Ca_kabuli_chr07	13308245	AA	CC	1940400870
SNP_P1_139710_13308251	NC_021166.1	Ca_kabuli_chr07	13308251	TT	CC	1940400872
SNP_P1_139711_13308272	NC_021166.1	Ca_kabuli_chr07	13308272	CC	GG	1940400874

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139714_13308298	NC_021166.1	Ca_kabuli_chr07	13308298	TT	CC	1940400879
SNP_P1_139715_13309653	NC_021166.1	Ca_kabuli_chr07	13309653	CC	TT	1940400881
SNP_P1_139716_13309665	NC_021166.1	Ca_kabuli_chr07	13309665	CC	TT	1940400883
SNP_P1_139717_13309670	NC_021166.1	Ca_kabuli_chr07	13309670	AA	GG	1940400885
SNP_P1_139718_13309697	NC_021166.1	Ca_kabuli_chr07	13309697	AA	TT	1940400886
SNP_P1_139719_13310498	NC_021166.1	Ca_kabuli_chr07	13310498	CC	TT	1940400888
SNP_P1_139720_13310856	NC_021166.1	Ca_kabuli_chr07	13310856	GG	AA	1940400890
SNP_P1_139721_13310868	NC_021166.1	Ca_kabuli_chr07	13310868	TT	CC	1940400892
SNP_P1_139722_13311384	NC_021166.1	Ca_kabuli_chr07	13311384	AA	GG	1940400894
SNP_P1_139723_13311407	NC_021166.1	Ca_kabuli_chr07	13311407	AA	TT	1940400895
SNP_P1_139724_13311420	NC_021166.1	Ca_kabuli_chr07	13311420	TT	GG	1940400897
SNP_P1_139725_13311441	NC_021166.1	Ca_kabuli_chr07	13311441	AA	TT	1940400899
SNP_P1_139726_13311468	NC_021166.1	Ca_kabuli_chr07	13311468	AA	GG	1940400901
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SNP_P1_139728_13311501	NC_021166.1	Ca_kabuli_chr07	13311501	TT	AA	1940400904
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SNP_P1_139735_13311798	NC_021166.1	Ca_kabuli_chr07	13311798	GG	AA	1940400917
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SNP_P1_139739_13311996	NC_021166.1	Ca_kabuli_chr07	13311996	AA	CC	1940400924
SNP_P1_139740_13312007	NC_021166.1	Ca_kabuli_chr07	13312007	AA	GG	1940400926
SNP_P1_139741_13312009	NC_021166.1	Ca_kabuli_chr07	13312009	AA	GG	1940400928
SNP_P1_139742_13312167	NC_021166.1	Ca_kabuli_chr07	13312167	AA	TT	1940400929
SNP_P1_139743_13312168	NC_021166.1	Ca_kabuli_chr07	13312168	TT	CC	1940400931
SNP_P1_139744_13312180	NC_021166.1	Ca_kabuli_chr07	13312180	TT	CC	1940400933
SNP_P1_139745_13313243	NC_021166.1	Ca_kabuli_chr07	13313243	GG	AA	1940400935
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SNP_P1_139753_13315026	NC_021166.1	Ca_kabuli_chr07	13315026	AA	TT	1940400945
SNP_P1_139754_13315225	NC_021166.1	Ca_kabuli_chr07	13315225	TT	CC	1940400947
SNP_P1_139756_13321902	NC_021166.1	Ca_kabuli_chr07	13321902	AA	GG	1940400949

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139762_13325432	NC_021166.1	Ca_kabuli_chr07	13325432	GG	TT	1940400956
SNP_P1_139763_13325467	NC_021166.1	Ca_kabuli_chr07	13325467	GG	AA	1940400958
SNP_P1_139764_13325475	NC_021166.1	Ca_kabuli_chr07	13325475	TT	GG	1940400960
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SNP_P1_139768_13325926	NC_021166.1	Ca_kabuli_chr07	13325926	CC	AA	1940400967
SNP_P1_139769_13325927	NC_021166.1	Ca_kabuli_chr07	13325927	AA	TT	1940400969
SNP_P1_139770_13325931	NC_021166.1	Ca_kabuli_chr07	13325931	TT	GG	1940400971
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SNP_P1_139773_13325974	NC_021166.1	Ca_kabuli_chr07	13325974	GG	AA	1940400976
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SNP_P1_139775_13325985	NC_021166.1	Ca_kabuli_chr07	13325985	GG	AA	1940400979
SNP_P1_139776_13325987	NC_021166.1	Ca_kabuli_chr07	13325987	AA	GG	1940400981
SNP_P1_139777_13326263	NC_021166.1	Ca_kabuli_chr07	13326263	GG	CC	1940400983
SNP_P1_139778_13329157	NC_021166.1	Ca_kabuli_chr07	13329157	GG	AA	1940400985
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SNP_P1_139781_13329172	NC_021166.1	Ca_kabuli_chr07	13329172	CC	GG	1940400990
SNP_P1_139782_13329418	NC_021166.1	Ca_kabuli_chr07	13329418	CC	TT	1940400992
SNP_P1_139783_13329479	NC_021166.1	Ca_kabuli_chr07	13329479	GG	AA	1940400994
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SNP_P1_139787_13329842	NC_021166.1	Ca_kabuli_chr07	13329842	CC	TT	1940400999
SNP_P1_139788_13329874	NC_021166.1	Ca_kabuli_chr07	13329874	CC	TT	1940401001
SNP_P1_139789_13330543	NC_021166.1	Ca_kabuli_chr07	13330543	TT	GG	1940401003
SNP_P1_139790_13330547	NC_021166.1	Ca_kabuli_chr07	13330547	GG	CC	1940401005
SNP_P1_139791_13330555	NC_021166.1	Ca_kabuli_chr07	13330555	CC	AA	1940401006
SNP_P1_139792_13330572	NC_021166.1	Ca_kabuli_chr07	13330572	AA	TT	1940401008
SNP_P1_139793_13330687	NC_021166.1	Ca_kabuli_chr07	13330687	AA	TT	1940401010
SNP_P1_139794_13330726	NC_021166.1	Ca_kabuli_chr07	13330726	GG	CC	1940401012
SNP_P1_139795_13331008	NC_021166.1	Ca_kabuli_chr07	13331008	TT	AA	1940401013
SNP_P1_139796_13331013	NC_021166.1	Ca_kabuli_chr07	13331013	CC	AA	1940401015
SNP_P1_139797_13331021	NC_021166.1	Ca_kabuli_chr07	13331021	TT	AA	1940401017
SNP_P1_139798_13331025	NC_021166.1	Ca_kabuli_chr07	13331025	TT	GG	1940401019
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SNP_P1_139800_13332304	NC_021166.1	Ca_kabuli_chr07	13332304	AA	GG	1940401022
SNP_P1_139801_13333066	NC_021166.1	Ca_kabuli_chr07	13333066	GG	AA	1940401024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139803_13333613	NC_021166.1	Ca_kabuli_chr07	13333613	AA	GG	1940401028
SNP_P1_139804_13333840	NC_021166.1	Ca_kabuli_chr07	13333840	AA	GG	1940401030
SNP_P1_139805_13334017	NC_021166.1	Ca_kabuli_chr07	13334017	AA	GG	1940401031
SNP_P1_139806_13334135	NC_021166.1	Ca_kabuli_chr07	13334135	TT	CC	1940401033
SNP_P1_139807_13334641	NC_021166.1	Ca_kabuli_chr07	13334641	CC	AA	1940401035
SNP_P1_139808_13334856	NC_021166.1	Ca_kabuli_chr07	13334856	GG	AA	1940401037
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SNP_P1_139812_13335248	NC_021166.1	Ca_kabuli_chr07	13335248	CC	GG	1940401040
SNP_P1_139813_13335964	NC_021166.1	Ca_kabuli_chr07	13335964	AA	GG	1940401042
SNP_P1_139814_13335979	NC_021166.1	Ca_kabuli_chr07	13335979	AA	CC	1940401044
SNP_P1_139815_13336000	NC_021166.1	Ca_kabuli_chr07	13336000	GG	AA	1940401046
SNP_P1_139816_13336002	NC_021166.1	Ca_kabuli_chr07	13336002	GG	AA	1940401047
SNP_P1_139817_13338143	NC_021166.1	Ca_kabuli_chr07	13338143	CC	AA	1940401049
SNP_P1_139818_13340731	NC_021166.1	Ca_kabuli_chr07	13340731	TT	AA	1940401051
SNP_P1_139819_13341425	NC_021166.1	Ca_kabuli_chr07	13341425	TT	AA	1940401053
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SNP_P1_139824_13342005	NC_021166.1	Ca_kabuli_chr07	13342005	AA	TT	1940401062
SNP_P1_139825_13342085	NC_021166.1	Ca_kabuli_chr07	13342085	GG	AA	1940401063
SNP_P1_139826_13342544	NC_021166.1	Ca_kabuli_chr07	13342544	CC	TT	1940401065
SNP_P1_139827_13342933	NC_021166.1	Ca_kabuli_chr07	13342933	TT	AA	1940401067
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SNP_P1_139831_13344455	NC_021166.1	Ca_kabuli_chr07	13344455	GG	AA	1940401071
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SNP_P1_139833_13347314	NC_021166.1	Ca_kabuli_chr07	13347314	AA	GG	1940401074
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SNP_P1_139835_13348566	NC_021166.1	Ca_kabuli_chr07	13348566	CC	TT	1940401078
SNP_P1_139836_13348596	NC_021166.1	Ca_kabuli_chr07	13348596	TT	AA	1940401080
SNP_P1_139837_13349351	NC_021166.1	Ca_kabuli_chr07	13349351	GG	TT	1940401081
SNP_P1_139838_13354988	NC_021166.1	Ca_kabuli_chr07	13354988	AA	GG	1940401083
SNP_P1_139839_13354990	NC_021166.1	Ca_kabuli_chr07	13354990	AA	TT	1940401085
SNP_P1_139840_13358334	NC_021166.1	Ca_kabuli_chr07	13358334	GG	AA	1940401087
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SNP_P1_139842_13359263	NC_021166.1	Ca_kabuli_chr07	13359263	TT	GG	1940401090
SNP_P1_139843_13359270	NC_021166.1	Ca_kabuli_chr07	13359270	GG	AA	1940401092
SNP_P1_139844_13359796	NC_021166.1	Ca_kabuli_chr07	13359796	TT	CC	1940401094
SNP_P1_139846_13359953	NC_021166.1	Ca_kabuli_chr07	13359953	TT	GG	1940401096
SNP_P1_139847_13361407	NC_021166.1	Ca_kabuli_chr07	13361407	CC	TT	1940401097
SNP_P1_139848_13361459	NC_021166.1	Ca_kabuli_chr07	13361459	GG	AA	1940401099

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139850_13361680	NC_021166.1	Ca_kabuli_chr07	13361680	AA	GG	1940401103
SNP_P1_139851_13362011	NC_021166.1	Ca_kabuli_chr07	13362011	TT	AA	1940401105
SNP_P1_139852_13362153	NC_021166.1	Ca_kabuli_chr07	13362153	AA	GG	1940401106
SNP_P1_139853_13363040	NC_021166.1	Ca_kabuli_chr07	13363040	AA	TT	1940401108
SNP_P1_139854_13363274	NC_021166.1	Ca_kabuli_chr07	13363274	GG	TT	1940401110
SNP_P1_139856_13363480	NC_021166.1	Ca_kabuli_chr07	13363480	GG	TT	1940401112
SNP_P1_139857_13363664	NC_021166.1	Ca_kabuli_chr07	13363664	CC	TT	1940401114
SNP_P1_139858_13363934	NC_021166.1	Ca_kabuli_chr07	13363934	CC	GG	1940401115
SNP_P1_139859_13363974	NC_021166.1	Ca_kabuli_chr07	13363974	TT	CC	1940401117
SNP_P1_139862_13364976	NC_021166.1	Ca_kabuli_chr07	13364976	TT	CC	1940401119
SNP_P1_139863_13365009	NC_021166.1	Ca_kabuli_chr07	13365009	AA	GG	1940401121
SNP_P1_139864_13365291	NC_021166.1	Ca_kabuli_chr07	13365291	CC	TT	1940401122
SNP_P1_139865_13366736	NC_021166.1	Ca_kabuli_chr07	13366736	GG	TT	1940401124
SNP_P1_139866_13368099	NC_021166.1	Ca_kabuli_chr07	13368099	AA	GG	1940401126
SNP_P1_139867_13368434	NC_021166.1	Ca_kabuli_chr07	13368434	CC	TT	1940401128
SNP_P1_139868_13368800	NC_021166.1	Ca_kabuli_chr07	13368800	AA	GG	1940401130
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SNP_P1_139870_13369125	NC_021166.1	Ca_kabuli_chr07	13369125	CC	TT	1940401133
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SNP_P1_139872_13369247	NC_021166.1	Ca_kabuli_chr07	13369247	GG	AA	1940401137
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SNP_P1_139874_13369510	NC_021166.1	Ca_kabuli_chr07	13369510	TT	CC	1940401140
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SNP_P1_139878_13370625	NC_021166.1	Ca_kabuli_chr07	13370625	GG	AA	1940401148
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SNP_P1_139880_13370942	NC_021166.1	Ca_kabuli_chr07	13370942	GG	TT	1940401151
SNP_P1_139881_13370973	NC_021166.1	Ca_kabuli_chr07	13370973	GG	AA	1940401153
SNP_P1_139882_13371186	NC_021166.1	Ca_kabuli_chr07	13371186	GG	AA	1940401155
SNP_P1_139883_13371283	NC_021166.1	Ca_kabuli_chr07	13371283	GG	AA	1940401156
SNP_P1_139884_13371418	NC_021166.1	Ca_kabuli_chr07	13371418	CC	GG	1940401158
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SNP_P1_139890_13374788	NC_021166.1	Ca_kabuli_chr07	13374788	TT	AA	1940401165
SNP_P1_139891_13375103	NC_021166.1	Ca_kabuli_chr07	13375103	TT	CC	1940401167
SNP_P1_139892_13376976	NC_021166.1	Ca_kabuli_chr07	13376976	GG	AA	1940401169
SNP_P1_139893_13378763	NC_021166.1	Ca_kabuli_chr07	13378763	CC	TT	1940401171
SNP_P1_139894_13378789	NC_021166.1	Ca_kabuli_chr07	13378789	TT	AA	1940401173
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139898_13385048	NC_021166.1	Ca_kabuli_chr07	13385048	GG	AA	1940401178
SNP_P1_139899_13385197	NC_021166.1	Ca_kabuli_chr07	13385197	TT	CC	1940401180
SNP_P1_139900_13386677	NC_021166.1	Ca_kabuli_chr07	13386677	TT	CC	1940401182
SNP_P1_139901_13386737	NC_021166.1	Ca_kabuli_chr07	13386737	GG	CC	1940401183
SNP_P1_139902_13386749	NC_021166.1	Ca_kabuli_chr07	13386749	GG	AA	1940401185
SNP_P1_139903_13386773	NC_021166.1	Ca_kabuli_chr07	13386773	AA	GG	1940401187
SNP_P1_139904_13386949	NC_021166.1	Ca_kabuli_chr07	13386949	GG	AA	1940401189
SNP_P1_139905_13387063	NC_021166.1	Ca_kabuli_chr07	13387063	TT	CC	1940401190
SNP_P1_139906_13387206	NC_021166.1	Ca_kabuli_chr07	13387206	TT	CC	1940401192
SNP_P1_139907_13387237	NC_021166.1	Ca_kabuli_chr07	13387237	AA	GG	1940401194
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SNP_P1_139910_13387336	NC_021166.1	Ca_kabuli_chr07	13387336	CC	TT	1940401199
SNP_P1_139911_13387383	NC_021166.1	Ca_kabuli_chr07	13387383	GG	TT	1940401201
SNP_P1_139912_13387537	NC_021166.1	Ca_kabuli_chr07	13387537	AA	GG	1940401203
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SNP_P1_139916_13389609	NC_021166.1	Ca_kabuli_chr07	13389609	TT	GG	1940401208
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SNP_P1_139926_13392514	NC_021166.1	Ca_kabuli_chr07	13392514	CC	TT	1940401226
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SNP_P1_139934_13396295	NC_021166.1	Ca_kabuli_chr07	13396295	CC	GG	1940401240
SNP_P1_139935_13396320	NC_021166.1	Ca_kabuli_chr07	13396320	TT	CC	1940401242
SNP_P1_139936_13396687	NC_021166.1	Ca_kabuli_chr07	13396687	GG	AA	1940401244
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SNP_P1_139938_13397734	NC_021166.1	Ca_kabuli_chr07	13397734	AA	GG	1940401248
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139943_13398246	NC_021166.1	Ca_kabuli_chr07	13398246	TT	CC	1940401255
SNP_P1_139944_13398305	NC_021166.1	Ca_kabuli_chr07	13398305	TT	GG	1940401257
SNP_P1_139945_13398319	NC_021166.1	Ca_kabuli_chr07	13398319	GG	TT	1940401258
SNP_P1_139946_13398368	NC_021166.1	Ca_kabuli_chr07	13398368	CC	TT	1940401260
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SNP_P1_139948_13399504	NC_021166.1	Ca_kabuli_chr07	13399504	GG	CC	1940401264
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SNP_P1_139961_13400489	NC_021166.1	Ca_kabuli_chr07	13400489	AA	GG	1940401285
SNP_P1_139962_13400504	NC_021166.1	Ca_kabuli_chr07	13400504	GG	AA	1940401287
SNP_P1_139963_13400528	NC_021166.1	Ca_kabuli_chr07	13400528	CC	TT	1940401289
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SNP_P1_139969_13404319	NC_021166.1	Ca_kabuli_chr07	13404319	TT	CC	1940401296
SNP_P1_139970_13404328	NC_021166.1	Ca_kabuli_chr07	13404328	AA	TT	1940401298
SNP_P1_139971_13404561	NC_021166.1	Ca_kabuli_chr07	13404561	CC	AA	1940401299
SNP_P1_139972_13404564	NC_021166.1	Ca_kabuli_chr07	13404564	TT	AA	1940401301
SNP_P1_139973_13404656	NC_021166.1	Ca_kabuli_chr07	13404656	GG	TT	1940401303
SNP_P1_139975_13405607	NC_021166.1	Ca_kabuli_chr07	13405607	TT	GG	1940401305
SNP_P1_139976_13405796	NC_021166.1	Ca_kabuli_chr07	13405796	AA	TT	1940401307
SNP_P1_139977_13405955	NC_021166.1	Ca_kabuli_chr07	13405955	AA	GG	1940401308
SNP_P1_139978_13406150	NC_021166.1	Ca_kabuli_chr07	13406150	CC	GG	1940401310
SNP_P1_139980_13406803	NC_021166.1	Ca_kabuli_chr07	13406803	AA	TT	1940401312
SNP_P1_139981_13406807	NC_021166.1	Ca_kabuli_chr07	13406807	CC	AA	1940401314
SNP_P1_139983_13406979	NC_021166.1	Ca_kabuli_chr07	13406979	GG	AA	1940401316
SNP_P1_139984_13406996	NC_021166.1	Ca_kabuli_chr07	13406996	GG	AA	1940401317
SNP_P1_139985_13407102	NC_021166.1	Ca_kabuli_chr07	13407102	AA	CC	1940401319
SNP_P1_139986_13408064	NC_021166.1	Ca_kabuli_chr07	13408064	CC	GG	1940401321
SNP_P1_139987_13408097	NC_021166.1	Ca_kabuli_chr07	13408097	TT	CC	1940401323
SNP_P1_139988_13408474	NC_021166.1	Ca_kabuli_chr07	13408474	AA	GG	1940401324

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_139991_13410649	NC_021166.1	Ca_kabuli_chr07	13410649	TT	CC	1940401328
SNP_P1_139992_13410658	NC_021166.1	Ca_kabuli_chr07	13410658	CC	TT	1940401330
SNP_P1_139993_13410806	NC_021166.1	Ca_kabuli_chr07	13410806	CC	TT	1940401332
SNP_P1_139994_13412303	NC_021166.1	Ca_kabuli_chr07	13412303	TT	AA	1940401333
SNP_P1_139995_13412434	NC_021166.1	Ca_kabuli_chr07	13412434	GG	AA	1940401335
SNP_P1_139996_13412592	NC_021166.1	Ca_kabuli_chr07	13412592	CC	TT	1940401337
SNP_P1_139997_13412614	NC_021166.1	Ca_kabuli_chr07	13412614	CC	TT	1940401339
SNP_P1_139998_13412644	NC_021166.1	Ca_kabuli_chr07	13412644	AA	GG	1940401341
SNP_P1_139999_13412662	NC_021166.1	Ca_kabuli_chr07	13412662	TT	CC	1940401342
SNP_P1_140000_13412925	NC_021166.1	Ca_kabuli_chr07	13412925	CC	TT	1940401344
SNP_P1_140001_13412976	NC_021166.1	Ca_kabuli_chr07	13412976	GG	AA	1940401346
SNP_P1_140002_13413324	NC_021166.1	Ca_kabuli_chr07	13413324	TT	CC	1940401348
SNP_P1_140003_13414010	NC_021166.1	Ca_kabuli_chr07	13414010	CC	TT	1940401349
SNP_P1_140004_13414049	NC_021166.1	Ca_kabuli_chr07	13414049	AA	GG	1940401351
SNP_P1_140005_13414124	NC_021166.1	Ca_kabuli_chr07	13414124	AA	GG	1940401353
SNP_P1_140006_13414125	NC_021166.1	Ca_kabuli_chr07	13414125	AA	GG	1940401355
SNP_P1_140007_13414353	NC_021166.1	Ca_kabuli_chr07	13414353	TT	AA	1940401357
SNP_P1_140008_13414354	NC_021166.1	Ca_kabuli_chr07	13414354	AA	TT	1940401358
SNP_P1_140009_13414486	NC_021166.1	Ca_kabuli_chr07	13414486	TT	GG	1940401360
SNP_P1_140010_13414515	NC_021166.1	Ca_kabuli_chr07	13414515	TT	GG	1940401362
SNP_P1_140011_13414575	NC_021166.1	Ca_kabuli_chr07	13414575	CC	AA	1940401364
SNP_P1_140012_13414655	NC_021166.1	Ca_kabuli_chr07	13414655	CC	AA	1940401366
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SNP_P1_140017_13414959	NC_021166.1	Ca_kabuli_chr07	13414959	TT	CC	1940401375
SNP_P1_140018_13415666	NC_021166.1	Ca_kabuli_chr07	13415666	TT	CC	1940401376
SNP_P1_140019_13415692	NC_021166.1	Ca_kabuli_chr07	13415692	CC	TT	1940401378
SNP_P1_140020_13415987	NC_021166.1	Ca_kabuli_chr07	13415987	TT	CC	1940401380
SNP_P1_140021_13416019	NC_021166.1	Ca_kabuli_chr07	13416019	AA	GG	1940401382
SNP_P1_140022_13416491	NC_021166.1	Ca_kabuli_chr07	13416491	TT	GG	1940401383
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SNP_P1_140024_13416926	NC_021166.1	Ca_kabuli_chr07	13416926	GG	AA	1940401387
SNP_P1_140025_13416974	NC_021166.1	Ca_kabuli_chr07	13416974	GG	AA	1940401389
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SNP_P1_140027_13417005	NC_021166.1	Ca_kabuli_chr07	13417005	TT	AA	1940401392
SNP_P1_140028_13417036	NC_021166.1	Ca_kabuli_chr07	13417036	GG	AA	1940401394
SNP_P1_140029_13439067	NC_021166.1	Ca_kabuli_chr07	13439067	TT	CC	1940401396
SNP_P1_140031_13439158	NC_021166.1	Ca_kabuli_chr07	13439158	CC	TT	1940401398
SNP_P1_140033_13439587	NC_021166.1	Ca_kabuli_chr07	13439587	GG	AA	1940401400

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140036_13441059	NC_021166.1	Ca_kabuli_chr07	13441059	CC	AA	1940401405
SNP_P1_140037_13441242	NC_021166.1	Ca_kabuli_chr07	13441242	CC	TT	1940401407
SNP_P1_140038_13441320	NC_021166.1	Ca_kabuli_chr07	13441320	AA	GG	1940401409
SNP_P1_140039_13441701	NC_021166.1	Ca_kabuli_chr07	13441701	GG	AA	1940401410
SNP_P1_140040_13442107	NC_021166.1	Ca_kabuli_chr07	13442107	GG	AA	1940401412
SNP_P1_140041_13442108	NC_021166.1	Ca_kabuli_chr07	13442108	CC	GG	1940401414
SNP_P1_140042_13442233	NC_021166.1	Ca_kabuli_chr07	13442233	CC	TT	1940401416
SNP_P1_140043_13442438	NC_021166.1	Ca_kabuli_chr07	13442438	CC	GG	1940401417
SNP_P1_140044_13442472	NC_021166.1	Ca_kabuli_chr07	13442472	TT	GG	1940401419
SNP_P1_140046_13442941	NC_021166.1	Ca_kabuli_chr07	13442941	TT	CC	1940401421
SNP_P1_140047_13443149	NC_021166.1	Ca_kabuli_chr07	13443149	GG	AA	1940401423
SNP_P1_140048_13443163	NC_021166.1	Ca_kabuli_chr07	13443163	AA	GG	1940401425
SNP_P1_140049_13443303	NC_021166.1	Ca_kabuli_chr07	13443303	AA	TT	1940401426
SNP_P1_140050_13443313	NC_021166.1	Ca_kabuli_chr07	13443313	AA	GG	1940401428
SNP_P1_140051_13443343	NC_021166.1	Ca_kabuli_chr07	13443343	TT	AA	1940401430
SNP_P1_140052_13443433	NC_021166.1	Ca_kabuli_chr07	13443433	CC	TT	1940401432
SNP_P1_140053_13443627	NC_021166.1	Ca_kabuli_chr07	13443627	TT	CC	1940401433
SNP_P1_140054_13443863	NC_021166.1	Ca_kabuli_chr07	13443863	GG	TT	1940401435
SNP_P1_140055_13444467	NC_021166.1	Ca_kabuli_chr07	13444467	GG	AA	1940401437
SNP_P1_140056_13444475	NC_021166.1	Ca_kabuli_chr07	13444475	GG	AA	1940401439
SNP_P1_140057_13444583	NC_021166.1	Ca_kabuli_chr07	13444583	AA	CC	1940401441
SNP_P1_140058_13444595	NC_021166.1	Ca_kabuli_chr07	13444595	CC	TT	1940401442
SNP_P1_140059_13444604	NC_021166.1	Ca_kabuli_chr07	13444604	GG	AA	1940401444
SNP_P1_140060_13445096	NC_021166.1	Ca_kabuli_chr07	13445096	AA	GG	1940401446
SNP_P1_140061_13445145	NC_021166.1	Ca_kabuli_chr07	13445145	TT	AA	1940401448
SNP_P1_140062_13445282	NC_021166.1	Ca_kabuli_chr07	13445282	GG	AA	1940401450
SNP_P1_140063_13445335	NC_021166.1	Ca_kabuli_chr07	13445335	AA	GG	1940401451
SNP_P1_140064_13446029	NC_021166.1	Ca_kabuli_chr07	13446029	TT	GG	1940401453
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SNP_P1_140066_13446520	NC_021166.1	Ca_kabuli_chr07	13446520	AA	TT	1940401457
SNP_P1_140067_13446546	NC_021166.1	Ca_kabuli_chr07	13446546	AA	GG	1940401459
SNP_P1_140068_13446555	NC_021166.1	Ca_kabuli_chr07	13446555	AA	GG	1940401460
SNP_P1_140069_13446830	NC_021166.1	Ca_kabuli_chr07	13446830	CC	TT	1940401462
SNP_P1_140070_13446840	NC_021166.1	Ca_kabuli_chr07	13446840	CC	TT	1940401464
SNP_P1_140071_13446917	NC_021166.1	Ca_kabuli_chr07	13446917	GG	TT	1940401466
SNP_P1_140072_13446961	NC_021166.1	Ca_kabuli_chr07	13446961	CC	TT	1940401467
SNP_P1_140073_13447267	NC_021166.1	Ca_kabuli_chr07	13447267	AA	TT	1940401469
SNP_P1_140074_13447389	NC_021166.1	Ca_kabuli_chr07	13447389	GG	AA	1940401471
SNP_P1_140075_13448552	NC_021166.1	Ca_kabuli_chr07	13448552	AA	TT	1940401473
SNP_P1_140076_13450724	NC_021166.1	Ca_kabuli_chr07	13450724	TT	AA	1940401475

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140078_13452665	NC_021166.1	Ca_kabuli_chr07	13452665	CC	TT	1940401478
SNP_P1_140082_13456929	NC_021166.1	Ca_kabuli_chr07	13456929	GG	AA	1940401480
SNP_P1_140083_13456984	NC_021166.1	Ca_kabuli_chr07	13456984	CC	TT	1940401482
SNP_P1_140085_13457059	NC_021166.1	Ca_kabuli_chr07	13457059	GG	AA	1940401484
SNP_P1_140086_13457082	NC_021166.1	Ca_kabuli_chr07	13457082	GG	AA	1940401485
SNP_P1_140087_13457088	NC_021166.1	Ca_kabuli_chr07	13457088	TT	CC	1940401487
SNP_P1_140088_13457325	NC_021166.1	Ca_kabuli_chr07	13457325	GG	AA	1940401489
SNP_P1_140089_13457364	NC_021166.1	Ca_kabuli_chr07	13457364	GG	TT	1940401491
SNP_P1_140090_13457390	NC_021166.1	Ca_kabuli_chr07	13457390	TT	CC	1940401493
SNP_P1_140091_13457443	NC_021166.1	Ca_kabuli_chr07	13457443	AA	GG	1940401494
SNP_P1_140092_13457480	NC_021166.1	Ca_kabuli_chr07	13457480	AA	TT	1940401496
SNP_P1_140093_13457494	NC_021166.1	Ca_kabuli_chr07	13457494	CC	TT	1940401498
SNP_P1_140094_13457514	NC_021166.1	Ca_kabuli_chr07	13457514	CC	TT	1940401500
SNP_P1_140095_13459668	NC_021166.1	Ca_kabuli_chr07	13459668	TT	CC	1940401501
SNP_P1_140096_13459683	NC_021166.1	Ca_kabuli_chr07	13459683	TT	CC	1940401503
SNP_P1_140097_13459689	NC_021166.1	Ca_kabuli_chr07	13459689	CC	TT	1940401505
SNP_P1_140098_13460907	NC_021166.1	Ca_kabuli_chr07	13460907	AA	CC	1940401507
SNP_P1_140099_13460962	NC_021166.1	Ca_kabuli_chr07	13460962	TT	CC	1940401509
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SNP_P1_140101_13461175	NC_021166.1	Ca_kabuli_chr07	13461175	TT	CC	1940401512
SNP_P1_140102_13461193	NC_021166.1	Ca_kabuli_chr07	13461193	TT	CC	1940401514
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SNP_P1_140108_13464104	NC_021166.1	Ca_kabuli_chr07	13464104	TT	CC	1940401525
SNP_P1_140109_13464711	NC_021166.1	Ca_kabuli_chr07	13464711	AA	TT	1940401526
SNP_P1_140110_13465148	NC_021166.1	Ca_kabuli_chr07	13465148	TT	GG	1940401528
SNP_P1_140111_13465245	NC_021166.1	Ca_kabuli_chr07	13465245	TT	AA	1940401530
SNP_P1_140112_13465249	NC_021166.1	Ca_kabuli_chr07	13465249	AA	GG	1940401532
SNP_P1_140113_13466646	NC_021166.1	Ca_kabuli_chr07	13466646	CC	AA	1940401534
SNP_P1_140114_13466856	NC_021166.1	Ca_kabuli_chr07	13466856	TT	CC	1940401535
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SNP_P1_140117_13466885	NC_021166.1	Ca_kabuli_chr07	13466885	TT	AA	1940401541
SNP_P1_140118_13466932	NC_021166.1	Ca_kabuli_chr07	13466932	GG	AA	1940401543
SNP_P1_140119_13466994	NC_021166.1	Ca_kabuli_chr07	13466994	GG	TT	1940401544
SNP_P1_140120_13467740	NC_021166.1	Ca_kabuli_chr07	13467740	CC	TT	1940401546
SNP_P1_140121_13467890	NC_021166.1	Ca_kabuli_chr07	13467890	CC	TT	1940401548
SNP_P1_140122_13467952	NC_021166.1	Ca_kabuli_chr07	13467952	AA	TT	1940401550

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140129_13468640	NC_021166.1	Ca_kabuli_chr07	13468640	TT	AA	1940401557
SNP_P1_140130_13468936	NC_021166.1	Ca_kabuli_chr07	13468936	AA	GG	1940401559
SNP_P1_140131_13468940	NC_021166.1	Ca_kabuli_chr07	13468940	TT	CC	1940401560
SNP_P1_140132_13468967	NC_021166.1	Ca_kabuli_chr07	13468967	CC	TT	1940401562
SNP_P1_140133_13469021	NC_021166.1	Ca_kabuli_chr07	13469021	GG	AA	1940401564
SNP_P1_140134_13469151	NC_021166.1	Ca_kabuli_chr07	13469151	CC	TT	1940401566
SNP_P1_140136_13469219	NC_021166.1	Ca_kabuli_chr07	13469219	AA	GG	1940401568
SNP_P1_140137_13469289	NC_021166.1	Ca_kabuli_chr07	13469289	AA	TT	1940401569
SNP_P1_140138_13469415	NC_021166.1	Ca_kabuli_chr07	13469415	TT	AA	1940401571
SNP_P1_140139_13469566	NC_021166.1	Ca_kabuli_chr07	13469566	GG	TT	1940401573
SNP_P1_140140_13469634	NC_021166.1	Ca_kabuli_chr07	13469634	AA	CC	1940401575
SNP_P1_140141_13470145	NC_021166.1	Ca_kabuli_chr07	13470145	CC	TT	1940401577
SNP_P1_140142_13470152	NC_021166.1	Ca_kabuli_chr07	13470152	CC	AA	1940401578
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SNP_P1_140159_13477453	NC_021166.1	Ca_kabuli_chr07	13477453	CC	GG	1940401603
SNP_P1_140160_13478029	NC_021166.1	Ca_kabuli_chr07	13478029	GG	AA	1940401605
SNP_P1_140161_13478087	NC_021166.1	Ca_kabuli_chr07	13478087	CC	TT	1940401607
SNP_P1_140162_13478433	NC_021166.1	Ca_kabuli_chr07	13478433	AA	TT	1940401609
SNP_P1_140163_13478691	NC_021166.1	Ca_kabuli_chr07	13478691	TT	CC	1940401610
SNP_P1_140164_13478797	NC_021166.1	Ca_kabuli_chr07	13478797	TT	CC	1940401612
SNP_P1_140165_13478804	NC_021166.1	Ca_kabuli_chr07	13478804	TT	GG	1940401614
SNP_P1_140166_13479058	NC_021166.1	Ca_kabuli_chr07	13479058	GG	AA	1940401616
SNP_P1_140167_13479075	NC_021166.1	Ca_kabuli_chr07	13479075	TT	CC	1940401618
SNP_P1_140168_13479137	NC_021166.1	Ca_kabuli_chr07	13479137	CC	TT	1940401619
SNP_P1_140169_13479243	NC_021166.1	Ca_kabuli_chr07	13479243	AA	CC	1940401621
SNP_P1_140171_13479548	NC_021166.1	Ca_kabuli_chr07	13479548	TT	CC	1940401623
SNP_P1_140172_13479654	NC_021166.1	Ca_kabuli_chr07	13479654	GG	AA	1940401625

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140174_13479961	NC_021166.1	Ca_kabuli_chr07	13479961	AA	CC	1940401628
SNP_P1_140175_13479982	NC_021166.1	Ca_kabuli_chr07	13479982	AA	GG	1940401630
SNP_P1_140176_13480005	NC_021166.1	Ca_kabuli_chr07	13480005	TT	GG	1940401632
SNP_P1_140177_13480064	NC_021166.1	Ca_kabuli_chr07	13480064	TT	GG	1940401634
SNP_P1_140178_13480137	NC_021166.1	Ca_kabuli_chr07	13480137	CC	TT	1940401635
SNP_P1_140179_13480167	NC_021166.1	Ca_kabuli_chr07	13480167	TT	CC	1940401637
SNP_P1_140180_13480463	NC_021166.1	Ca_kabuli_chr07	13480463	TT	CC	1940401639
SNP_P1_140182_13480520	NC_021166.1	Ca_kabuli_chr07	13480520	GG	TT	1940401641
SNP_P1_140183_13480679	NC_021166.1	Ca_kabuli_chr07	13480679	TT	CC	1940401643
SNP_P1_140184_13481324	NC_021166.1	Ca_kabuli_chr07	13481324	GG	CC	1940401644
SNP_P1_140185_13484437	NC_021166.1	Ca_kabuli_chr07	13484437	AA	TT	1940401646
SNP_P1_140187_13484613	NC_021166.1	Ca_kabuli_chr07	13484613	GG	TT	1940401648
SNP_P1_140188_13485173	NC_021166.1	Ca_kabuli_chr07	13485173	GG	CC	1940401650
SNP_P1_140189_13485199	NC_021166.1	Ca_kabuli_chr07	13485199	CC	TT	1940401652
SNP_P1_140190_13485217	NC_021166.1	Ca_kabuli_chr07	13485217	CC	AA	1940401653
SNP_P1_140191_13485393	NC_021166.1	Ca_kabuli_chr07	13485393	AA	GG	1940401655
SNP_P1_140192_13485409	NC_021166.1	Ca_kabuli_chr07	13485409	TT	AA	1940401657
SNP_P1_140193_13485411	NC_021166.1	Ca_kabuli_chr07	13485411	TT	CC	1940401659
SNP_P1_140194_13486693	NC_021166.1	Ca_kabuli_chr07	13486693	CC	GG	1940401661
SNP_P1_140195_13486857	NC_021166.1	Ca_kabuli_chr07	13486857	AA	GG	1940401662
SNP_P1_140196_13486901	NC_021166.1	Ca_kabuli_chr07	13486901	CC	TT	1940401664
SNP_P1_140197_13486917	NC_021166.1	Ca_kabuli_chr07	13486917	CC	TT	1940401666
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SNP_P1_140199_13487426	NC_021166.1	Ca_kabuli_chr07	13487426	TT	AA	1940401669
SNP_P1_140200_13487446	NC_021166.1	Ca_kabuli_chr07	13487446	AA	TT	1940401671
SNP_P1_140202_13492728	NC_021166.1	Ca_kabuli_chr07	13492728	AA	GG	1940401673
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SNP_P1_140205_13493136	NC_021166.1	Ca_kabuli_chr07	13493136	TT	AA	1940401678
SNP_P1_140206_13493194	NC_021166.1	Ca_kabuli_chr07	13493194	AA	TT	1940401680
SNP_P1_140207_13493220	NC_021166.1	Ca_kabuli_chr07	13493220	GG	TT	1940401682
SNP_P1_140209_13493415	NC_021166.1	Ca_kabuli_chr07	13493415	AA	TT	1940401684
SNP_P1_140210_13493503	NC_021166.1	Ca_kabuli_chr07	13493503	CC	TT	1940401686
SNP_P1_140211_13493526	NC_021166.1	Ca_kabuli_chr07	13493526	GG	AA	1940401687
SNP_P1_140212_13493697	NC_021166.1	Ca_kabuli_chr07	13493697	TT	CC	1940401689
SNP_P1_140213_13493754	NC_021166.1	Ca_kabuli_chr07	13493754	TT	CC	1940401691
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SNP_P1_140216_13494149	NC_021166.1	Ca_kabuli_chr07	13494149	GG	AA	1940401694
SNP_P1_140217_13494372	NC_021166.1	Ca_kabuli_chr07	13494372	TT	CC	1940401696
SNP_P1_140218_13494586	NC_021166.1	Ca_kabuli_chr07	13494586	CC	TT	1940401698
SNP_P1_140220_13496028	NC_021166.1	Ca_kabuli_chr07	13496028	TT	AA	1940401700

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140222_13497740	NC_021166.1	Ca_kabuli_chr07	13497740	CC	TT	1940401703
SNP_P1_140223_13497751	NC_021166.1	Ca_kabuli_chr07	13497751	AA	GG	1940401705
SNP_P1_140224_13497896	NC_021166.1	Ca_kabuli_chr07	13497896	AA	CC	1940401707
SNP_P1_140226_13498236	NC_021166.1	Ca_kabuli_chr07	13498236	CC	GG	1940401709
SNP_P1_140227_13498781	NC_021166.1	Ca_kabuli_chr07	13498781	GG	AA	1940401711
SNP_P1_140228_13499866	NC_021166.1	Ca_kabuli_chr07	13499866	TT	CC	1940401712
SNP_P1_140229_13500412	NC_021166.1	Ca_kabuli_chr07	13500412	GG	TT	1940401714
SNP_P1_140230_13500420	NC_021166.1	Ca_kabuli_chr07	13500420	CC	AA	1940401716
SNP_P1_140232_13500485	NC_021166.1	Ca_kabuli_chr07	13500485	AA	TT	1940401718
SNP_P1_140233_13500557	NC_021166.1	Ca_kabuli_chr07	13500557	AA	CC	1940401720
SNP_P1_140234_13501447	NC_021166.1	Ca_kabuli_chr07	13501447	AA	CC	1940401721
SNP_P1_140235_13504367	NC_021166.1	Ca_kabuli_chr07	13504367	TT	CC	1940401723
SNP_P1_140237_13504641	NC_021166.1	Ca_kabuli_chr07	13504641	GG	TT	1940401725
SNP_P1_140238_13504690	NC_021166.1	Ca_kabuli_chr07	13504690	CC	TT	1940401727
SNP_P1_140239_13504713	NC_021166.1	Ca_kabuli_chr07	13504713	CC	TT	1940401728
SNP_P1_140240_13504761	NC_021166.1	Ca_kabuli_chr07	13504761	AA	GG	1940401730
SNP_P1_140241_13504771	NC_021166.1	Ca_kabuli_chr07	13504771	AA	GG	1940401732
SNP_P1_140243_13505493	NC_021166.1	Ca_kabuli_chr07	13505493	CC	AA	1940401734
SNP_P1_140244_13505510	NC_021166.1	Ca_kabuli_chr07	13505510	CC	TT	1940401736
SNP_P1_140245_13505963	NC_021166.1	Ca_kabuli_chr07	13505963	GG	AA	1940401737
SNP_P1_140246_13505967	NC_021166.1	Ca_kabuli_chr07	13505967	TT	GG	1940401739
SNP_P1_140247_13505996	NC_021166.1	Ca_kabuli_chr07	13505996	AA	GG	1940401741
SNP_P1_140248_13505998	NC_021166.1	Ca_kabuli_chr07	13505998	GG	AA	1940401743
SNP_P1_140250_13506302	NC_021166.1	Ca_kabuli_chr07	13506302	TT	CC	1940401745
SNP_P1_140251_13506856	NC_021166.1	Ca_kabuli_chr07	13506856	TT	CC	1940401746
SNP_P1_140252_13506857	NC_021166.1	Ca_kabuli_chr07	13506857	CC	TT	1940401748
SNP_P1_140253_13506878	NC_021166.1	Ca_kabuli_chr07	13506878	GG	AA	1940401750
SNP_P1_140254_13506882	NC_021166.1	Ca_kabuli_chr07	13506882	CC	TT	1940401752
SNP_P1_140255_13506901	NC_021166.1	Ca_kabuli_chr07	13506901	GG	AA	1940401753
SNP_P1_140256_13507081	NC_021166.1	Ca_kabuli_chr07	13507081	AA	GG	1940401755
SNP_P1_140258_13507138	NC_021166.1	Ca_kabuli_chr07	13507138	TT	CC	1940401757
SNP_P1_140259_13507169	NC_021166.1	Ca_kabuli_chr07	13507169	GG	AA	1940401759
SNP_P1_140260_13507201	NC_021166.1	Ca_kabuli_chr07	13507201	AA	TT	1940401761
SNP_P1_140261_13507243	NC_021166.1	Ca_kabuli_chr07	13507243	GG	AA	1940401762
SNP_P1_140262_13507396	NC_021166.1	Ca_kabuli_chr07	13507396	TT	AA	1940401764
SNP_P1_140263_13507416	NC_021166.1	Ca_kabuli_chr07	13507416	CC	TT	1940401766
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SNP_P1_140265_13507450	NC_021166.1	Ca_kabuli_chr07	13507450	GG	AA	1940401770
SNP_P1_140266_13507462	NC_021166.1	Ca_kabuli_chr07	13507462	TT	GG	1940401771
SNP_P1_140267_13507471	NC_021166.1	Ca_kabuli_chr07	13507471	GG	TT	1940401773
SNP_P1_140269_13510487	NC_021166.1	Ca_kabuli_chr07	13510487	CC	TT	1940401775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140271_13510640	NC_021166.1	Ca_kabuli_chr07	13510640	GG	AA	1940401778
SNP_P1_140272_13510683	NC_021166.1	Ca_kabuli_chr07	13510683	TT	CC	1940401780
SNP_P1_140273_13510707	NC_021166.1	Ca_kabuli_chr07	13510707	CC	AA	1940401782
SNP_P1_140275_13510763	NC_021166.1	Ca_kabuli_chr07	13510763	AA	CC	1940401784
SNP_P1_140276_13510796	NC_021166.1	Ca_kabuli_chr07	13510796	GG	AA	1940401786
SNP_P1_140277_13510798	NC_021166.1	Ca_kabuli_chr07	13510798	CC	TT	1940401787
SNP_P1_140278_13510799	NC_021166.1	Ca_kabuli_chr07	13510799	AA	TT	1940401789
SNP_P1_140279_13510804	NC_021166.1	Ca_kabuli_chr07	13510804	CC	TT	1940401791
SNP_P1_140280_13510965	NC_021166.1	Ca_kabuli_chr07	13510965	CC	AA	1940401793
SNP_P1_140282_13511186	NC_021166.1	Ca_kabuli_chr07	13511186	CC	GG	1940401795
SNP_P1_140283_13511203	NC_021166.1	Ca_kabuli_chr07	13511203	AA	GG	1940401796
SNP_P1_140284_13511415	NC_021166.1	Ca_kabuli_chr07	13511415	GG	TT	1940401798
SNP_P1_140285_13511455	NC_021166.1	Ca_kabuli_chr07	13511455	AA	GG	1940401800
SNP_P1_140287_13511481	NC_021166.1	Ca_kabuli_chr07	13511481	AA	GG	1940401802
SNP_P1_140288_13511806	NC_021166.1	Ca_kabuli_chr07	13511806	AA	GG	1940401803
SNP_P1_140289_13511814	NC_021166.1	Ca_kabuli_chr07	13511814	TT	CC	1940401805
SNP_P1_140290_13511877	NC_021166.1	Ca_kabuli_chr07	13511877	TT	CC	1940401807
SNP_P1_140291_13511926	NC_021166.1	Ca_kabuli_chr07	13511926	AA	GG	1940401809
SNP_P1_140292_13511932	NC_021166.1	Ca_kabuli_chr07	13511932	CC	TT	1940401811
SNP_P1_140293_13512019	NC_021166.1	Ca_kabuli_chr07	13512019	TT	AA	1940401812
SNP_P1_140294_13512024	NC_021166.1	Ca_kabuli_chr07	13512024	CC	TT	1940401814
SNP_P1_140295_13512143	NC_021166.1	Ca_kabuli_chr07	13512143	AA	GG	1940401816
SNP_P1_140296_13512148	NC_021166.1	Ca_kabuli_chr07	13512148	AA	TT	1940401818
SNP_P1_140297_13512152	NC_021166.1	Ca_kabuli_chr07	13512152	TT	CC	1940401820
SNP_P1_140298_13512187	NC_021166.1	Ca_kabuli_chr07	13512187	GG	AA	1940401821
SNP_P1_140299_13512349	NC_021166.1	Ca_kabuli_chr07	13512349	AA	GG	1940401823
SNP_P1_140300_13512357	NC_021166.1	Ca_kabuli_chr07	13512357	AA	GG	1940401825
SNP_P1_140301_13512358	NC_021166.1	Ca_kabuli_chr07	13512358	CC	TT	1940401827
SNP_P1_140302_13512371	NC_021166.1	Ca_kabuli_chr07	13512371	GG	CC	1940401829
SNP_P1_140303_13512830	NC_021166.1	Ca_kabuli_chr07	13512830	TT	CC	1940401830
SNP_P1_140305_13513981	NC_021166.1	Ca_kabuli_chr07	13513981	GG	AA	1940401832
SNP_P1_140306_13515064	NC_021166.1	Ca_kabuli_chr07	13515064	GG	AA	1940401834
SNP_P1_140307_13516558	NC_021166.1	Ca_kabuli_chr07	13516558	GG	TT	1940401836
SNP_P1_140308_13516648	NC_021166.1	Ca_kabuli_chr07	13516648	AA	GG	1940401837
SNP_P1_140309_13516921	NC_021166.1	Ca_kabuli_chr07	13516921	AA	GG	1940401839
SNP_P1_140310_13516924	NC_021166.1	Ca_kabuli_chr07	13516924	AA	GG	1940401841
SNP_P1_140311_13516944	NC_021166.1	Ca_kabuli_chr07	13516944	TT	CC	1940401843
SNP_P1_140312_13518277	NC_021166.1	Ca_kabuli_chr07	13518277	TT	CC	1940401845
SNP_P1_140313_13518296	NC_021166.1	Ca_kabuli_chr07	13518296	GG	TT	1940401846
SNP_P1_140314_13518352	NC_021166.1	Ca_kabuli_chr07	13518352	TT	CC	1940401848
SNP_P1_140315_13518362	NC_021166.1	Ca_kabuli_chr07	13518362	GG	AA	1940401850

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140317_13520735	NC_021166.1	Ca_kabuli_chr07	13520735	GG	AA	1940401854
SNP_P1_140318_13521586	NC_021166.1	Ca_kabuli_chr07	13521586	AA	GG	1940401855
SNP_P1_140321_13523366	NC_021166.1	Ca_kabuli_chr07	13523366	GG	AA	1940401857
SNP_P1_140322_13523379	NC_021166.1	Ca_kabuli_chr07	13523379	AA	GG	1940401859
SNP_P1_140325_13524986	NC_021166.1	Ca_kabuli_chr07	13524986	GG	AA	1940401861
SNP_P1_140326_13525001	NC_021166.1	Ca_kabuli_chr07	13525001	AA	GG	1940401862
SNP_P1_140327_13525014	NC_021166.1	Ca_kabuli_chr07	13525014	AA	CC	1940401864
SNP_P1_140328_13525149	NC_021166.1	Ca_kabuli_chr07	13525149	TT	AA	1940401866
SNP_P1_140329_13525181	NC_021166.1	Ca_kabuli_chr07	13525181	TT	AA	1940401868
SNP_P1_140330_13525323	NC_021166.1	Ca_kabuli_chr07	13525323	AA	CC	1940401870
SNP_P1_140331_13525341	NC_021166.1	Ca_kabuli_chr07	13525341	TT	AA	1940401871
SNP_P1_140332_13525461	NC_021166.1	Ca_kabuli_chr07	13525461	AA	GG	1940401873
SNP_P1_140334_13526360	NC_021166.1	Ca_kabuli_chr07	13526360	CC	AA	1940401875
SNP_P1_140338_13527015	NC_021166.1	Ca_kabuli_chr07	13527015	CC	TT	1940401877
SNP_P1_140339_13527088	NC_021166.1	Ca_kabuli_chr07	13527088	GG	AA	1940401879
SNP_P1_140340_13527678	NC_021166.1	Ca_kabuli_chr07	13527678	AA	CC	1940401880
SNP_P1_140341_13527680	NC_021166.1	Ca_kabuli_chr07	13527680	GG	AA	1940401882
SNP_P1_140343_13528445	NC_021166.1	Ca_kabuli_chr07	13528445	TT	CC	1940401884
SNP_P1_140344_13529127	NC_021166.1	Ca_kabuli_chr07	13529127	CC	TT	1940401886
SNP_P1_140345_13530187	NC_021166.1	Ca_kabuli_chr07	13530187	TT	CC	1940401888
SNP_P1_140346_13530191	NC_021166.1	Ca_kabuli_chr07	13530191	AA	CC	1940401889
SNP_P1_140347_13530196	NC_021166.1	Ca_kabuli_chr07	13530196	AA	TT	1940401891
SNP_P1_140348_13530258	NC_021166.1	Ca_kabuli_chr07	13530258	GG	AA	1940401893
SNP_P1_140349_13530343	NC_021166.1	Ca_kabuli_chr07	13530343	TT	CC	1940401895
SNP_P1_140350_13530387	NC_021166.1	Ca_kabuli_chr07	13530387	CC	TT	1940401896
SNP_P1_140351_13530392	NC_021166.1	Ca_kabuli_chr07	13530392	CC	GG	1940401898
SNP_P1_140352_13530395	NC_021166.1	Ca_kabuli_chr07	13530395	TT	CC	1940401900
SNP_P1_140353_13530426	NC_021166.1	Ca_kabuli_chr07	13530426	TT	CC	1940401902
SNP_P1_140354_13530429	NC_021166.1	Ca_kabuli_chr07	13530429	TT	CC	1940401904
SNP_P1_140355_13530495	NC_021166.1	Ca_kabuli_chr07	13530495	CC	AA	1940401905
SNP_P1_140357_13530944	NC_021166.1	Ca_kabuli_chr07	13530944	CC	TT	1940401907
SNP_P1_140358_13531220	NC_021166.1	Ca_kabuli_chr07	13531220	TT	AA	1940401909
SNP_P1_140359_13531484	NC_021166.1	Ca_kabuli_chr07	13531484	GG	TT	1940401911
SNP_P1_140361_13533020	NC_021166.1	Ca_kabuli_chr07	13533020	TT	AA	1940401913
SNP_P1_140362_13533021	NC_021166.1	Ca_kabuli_chr07	13533021	AA	TT	1940401914
SNP_P1_140363_13533248	NC_021166.1	Ca_kabuli_chr07	13533248	AA	GG	1940401916
SNP_P1_140364_13533316	NC_021166.1	Ca_kabuli_chr07	13533316	GG	AA	1940401918
SNP_P1_140365_13540123	NC_021166.1	Ca_kabuli_chr07	13540123	CC	AA	1940401920
SNP_P1_140366_13540991	NC_021166.1	Ca_kabuli_chr07	13540991	TT	CC	1940401921
SNP_P1_140367_13542253	NC_021166.1	Ca_kabuli_chr07	13542253	AA	GG	1940401923
SNP_P1_140368_13543249	NC_021166.1	Ca_kabuli_chr07	13543249	GG	CC	1940401925

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140370_13543793	NC_021166.1	Ca_kabuli_chr07	13543793	AA	GG	1940401929
SNP_P1_140371_13543802	NC_021166.1	Ca_kabuli_chr07	13543802	CC	TT	1940401930
SNP_P1_140372_13544021	NC_021166.1	Ca_kabuli_chr07	13544021	AA	GG	1940401932
SNP_P1_140374_13544667	NC_021166.1	Ca_kabuli_chr07	13544667	AA	CC	1940401934
SNP_P1_140375_13545046	NC_021166.1	Ca_kabuli_chr07	13545046	TT	CC	1940401936
SNP_P1_140376_13545052	NC_021166.1	Ca_kabuli_chr07	13545052	AA	CC	1940401938
SNP_P1_140377_13545054	NC_021166.1	Ca_kabuli_chr07	13545054	AA	TT	1940401939
SNP_P1_140378_13545065	NC_021166.1	Ca_kabuli_chr07	13545065	AA	GG	1940401941
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SNP_P1_140380_13545101	NC_021166.1	Ca_kabuli_chr07	13545101	CC	TT	1940401945
SNP_P1_140381_13545109	NC_021166.1	Ca_kabuli_chr07	13545109	TT	CC	1940401947
SNP_P1_140382_13546019	NC_021166.1	Ca_kabuli_chr07	13546019	CC	TT	1940401948
SNP_P1_140383_13546143	NC_021166.1	Ca_kabuli_chr07	13546143	GG	AA	1940401950
SNP_P1_140384_13546164	NC_021166.1	Ca_kabuli_chr07	13546164	CC	TT	1940401952
SNP_P1_140385_13546166	NC_021166.1	Ca_kabuli_chr07	13546166	TT	CC	1940401954
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SNP_P1_140389_13548496	NC_021166.1	Ca_kabuli_chr07	13548496	TT	CC	1940401959
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SNP_P1_140391_13548901	NC_021166.1	Ca_kabuli_chr07	13548901	TT	CC	1940401963
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SNP_P1_140393_13555048	NC_021166.1	Ca_kabuli_chr07	13555048	TT	CC	1940401966
SNP_P1_140395_13556146	NC_021166.1	Ca_kabuli_chr07	13556146	GG	AA	1940401968
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SNP_P1_140397_13556607	NC_021166.1	Ca_kabuli_chr07	13556607	AA	GG	1940401972
SNP_P1_140398_13559164	NC_021166.1	Ca_kabuli_chr07	13559164	TT	CC	1940401973
SNP_P1_140399_13565223	NC_021166.1	Ca_kabuli_chr07	13565223	AA	GG	1940401975
SNP_P1_140400_13566520	NC_021166.1	Ca_kabuli_chr07	13566520	TT	GG	1940401977
SNP_P1_140401_13566897	NC_021166.1	Ca_kabuli_chr07	13566897	AA	GG	1940401979
SNP_P1_140402_13569884	NC_021166.1	Ca_kabuli_chr07	13569884	GG	CC	1940401981
SNP_P1_140403_13572910	NC_021166.1	Ca_kabuli_chr07	13572910	CC	GG	1940401982
SNP_P1_140404_13573126	NC_021166.1	Ca_kabuli_chr07	13573126	AA	GG	1940401984
SNP_P1_140405_13573350	NC_021166.1	Ca_kabuli_chr07	13573350	GG	TT	1940401986
SNP_P1_140406_13576313	NC_021166.1	Ca_kabuli_chr07	13576313	GG	AA	1940401988
SNP_P1_140408_13582825	NC_021166.1	Ca_kabuli_chr07	13582825	CC	AA	1940401989
SNP_P1_140409_13583104	NC_021166.1	Ca_kabuli_chr07	13583104	CC	GG	1940401991
SNP_P1_140410_13583466	NC_021166.1	Ca_kabuli_chr07	13583466	GG	TT	1940401993
SNP_P1_140412_13583991	NC_021166.1	Ca_kabuli_chr07	13583991	AA	TT	1940401995
SNP_P1_140413_13584025	NC_021166.1	Ca_kabuli_chr07	13584025	GG	CC	1940401997
SNP_P1_140414_13584067	NC_021166.1	Ca_kabuli_chr07	13584067	CC	AA	1940401998
SNP_P1_140415_13584071	NC_021166.1	Ca_kabuli_chr07	13584071	GG	AA	1940402000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140417_13585331	NC_021166.1	Ca_kabuli_chr07	13585331	GG	AA	1940402004
SNP_P1_140418_13586046	NC_021166.1	Ca_kabuli_chr07	13586046	TT	AA	1940402006
SNP_P1_140420_13587192	NC_021166.1	Ca_kabuli_chr07	13587192	CC	AA	1940402007
SNP_P1_140421_13587693	NC_021166.1	Ca_kabuli_chr07	13587693	CC	TT	1940402009
SNP_P1_140422_13587714	NC_021166.1	Ca_kabuli_chr07	13587714	TT	AA	1940402011
SNP_P1_140423_13587716	NC_021166.1	Ca_kabuli_chr07	13587716	AA	GG	1940402013
SNP_P1_140424_13587767	NC_021166.1	Ca_kabuli_chr07	13587767	TT	CC	1940402014
SNP_P1_140426_13588041	NC_021166.1	Ca_kabuli_chr07	13588041	TT	CC	1940402016
SNP_P1_140429_13588941	NC_021166.1	Ca_kabuli_chr07	13588941	GG	AA	1940402018
SNP_P1_140430_13588945	NC_021166.1	Ca_kabuli_chr07	13588945	GG	AA	1940402020
SNP_P1_140431_13590252	NC_021166.1	Ca_kabuli_chr07	13590252	CC	AA	1940402022
SNP_P1_140432_13590662	NC_021166.1	Ca_kabuli_chr07	13590662	TT	CC	1940402023
SNP_P1_140433_13590663	NC_021166.1	Ca_kabuli_chr07	13590663	GG	AA	1940402025
SNP_P1_140434_13590688	NC_021166.1	Ca_kabuli_chr07	13590688	AA	GG	1940402027
SNP_P1_140435_13590709	NC_021166.1	Ca_kabuli_chr07	13590709	CC	AA	1940402029
SNP_P1_140436_13592231	NC_021166.1	Ca_kabuli_chr07	13592231	TT	AA	1940402031
SNP_P1_140437_13592258	NC_021166.1	Ca_kabuli_chr07	13592258	AA	GG	1940402032
SNP_P1_140438_13592629	NC_021166.1	Ca_kabuli_chr07	13592629	AA	CC	1940402034
SNP_P1_140439_13592729	NC_021166.1	Ca_kabuli_chr07	13592729	GG	AA	1940402036
SNP_P1_140440_13593907	NC_021166.1	Ca_kabuli_chr07	13593907	AA	GG	1940402038
SNP_P1_140441_13593908	NC_021166.1	Ca_kabuli_chr07	13593908	TT	CC	1940402039
SNP_P1_140442_13593909	NC_021166.1	Ca_kabuli_chr07	13593909	GG	AA	1940402041
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SNP_P1_140446_13594188	NC_021166.1	Ca_kabuli_chr07	13594188	CC	AA	1940402048
SNP_P1_140447_13594228	NC_021166.1	Ca_kabuli_chr07	13594228	CC	TT	1940402050
SNP_P1_140448_13594313	NC_021166.1	Ca_kabuli_chr07	13594313	TT	GG	1940402052
SNP_P1_140449_13594337	NC_021166.1	Ca_kabuli_chr07	13594337	CC	TT	1940402054
SNP_P1_140450_13594479	NC_021166.1	Ca_kabuli_chr07	13594479	CC	TT	1940402056
SNP_P1_140451_13595212	NC_021166.1	Ca_kabuli_chr07	13595212	CC	TT	1940402057
SNP_P1_140452_13595213	NC_021166.1	Ca_kabuli_chr07	13595213	GG	AA	1940402059
SNP_P1_140453_13597018	NC_021166.1	Ca_kabuli_chr07	13597018	AA	GG	1940402061
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SNP_P1_140455_13598074	NC_021166.1	Ca_kabuli_chr07	13598074	CC	TT	1940402065
SNP_P1_140456_13598089	NC_021166.1	Ca_kabuli_chr07	13598089	TT	CC	1940402066
SNP_P1_140457_13598142	NC_021166.1	Ca_kabuli_chr07	13598142	GG	AA	1940402068
SNP_P1_140458_13599229	NC_021166.1	Ca_kabuli_chr07	13599229	GG	AA	1940402070
SNP_P1_140460_13599634	NC_021166.1	Ca_kabuli_chr07	13599634	CC	AA	1940402072
SNP_P1_140461_13600694	NC_021166.1	Ca_kabuli_chr07	13600694	AA	GG	1940402073
SNP_P1_140462_13601458	NC_021166.1	Ca_kabuli_chr07	13601458	TT	CC	1940402075

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140465_13602409	NC_021166.1	Ca_kabuli_chr07	13602409	AA	GG	1940402081
SNP_P1_140466_13602411	NC_021166.1	Ca_kabuli_chr07	13602411	CC	TT	1940402082
SNP_P1_140467_13602770	NC_021166.1	Ca_kabuli_chr07	13602770	GG	TT	1940402084
SNP_P1_140468_13604927	NC_021166.1	Ca_kabuli_chr07	13604927	AA	GG	1940402086
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SNP_P1_140471_13607283	NC_021166.1	Ca_kabuli_chr07	13607283	AA	TT	1940402090
SNP_P1_140472_13608012	NC_021166.1	Ca_kabuli_chr07	13608012	TT	CC	1940402091
SNP_P1_140473_13609283	NC_021166.1	Ca_kabuli_chr07	13609283	AA	TT	1940402093
SNP_P1_140474_13609424	NC_021166.1	Ca_kabuli_chr07	13609424	TT	CC	1940402095
SNP_P1_140475_13609585	NC_021166.1	Ca_kabuli_chr07	13609585	AA	TT	1940402097
SNP_P1_140477_13610022	NC_021166.1	Ca_kabuli_chr07	13610022	CC	GG	1940402098
SNP_P1_140478_13610593	NC_021166.1	Ca_kabuli_chr07	13610593	AA	TT	1940402100
SNP_P1_140480_13610905	NC_021166.1	Ca_kabuli_chr07	13610905	GG	AA	1940402102
SNP_P1_140481_13610920	NC_021166.1	Ca_kabuli_chr07	13610920	CC	TT	1940402104
SNP_P1_140482_13612103	NC_021166.1	Ca_kabuli_chr07	13612103	GG	TT	1940402106
SNP_P1_140483_13612223	NC_021166.1	Ca_kabuli_chr07	13612223	CC	TT	1940402107
SNP_P1_140484_13612435	NC_021166.1	Ca_kabuli_chr07	13612435	TT	GG	1940402109
SNP_P1_140485_13612487	NC_021166.1	Ca_kabuli_chr07	13612487	AA	TT	1940402111
SNP_P1_140486_13612531	NC_021166.1	Ca_kabuli_chr07	13612531	CC	AA	1940402113
SNP_P1_140487_13612581	NC_021166.1	Ca_kabuli_chr07	13612581	AA	GG	1940402115
SNP_P1_140488_13612605	NC_021166.1	Ca_kabuli_chr07	13612605	TT	GG	1940402116
SNP_P1_140489_13613597	NC_021166.1	Ca_kabuli_chr07	13613597	CC	TT	1940402118
SNP_P1_140490_13613678	NC_021166.1	Ca_kabuli_chr07	13613678	AA	TT	1940402120
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SNP_P1_140493_13614762	NC_021166.1	Ca_kabuli_chr07	13614762	GG	AA	1940402124
SNP_P1_140494_13614764	NC_021166.1	Ca_kabuli_chr07	13614764	AA	TT	1940402125
SNP_P1_140495_13614775	NC_021166.1	Ca_kabuli_chr07	13614775	CC	AA	1940402127
SNP_P1_140497_13614929	NC_021166.1	Ca_kabuli_chr07	13614929	CC	TT	1940402129
SNP_P1_140498_13614955	NC_021166.1	Ca_kabuli_chr07	13614955	GG	AA	1940402131
SNP_P1_140499_13614972	NC_021166.1	Ca_kabuli_chr07	13614972	AA	TT	1940402132
SNP_P1_140500_13615227	NC_021166.1	Ca_kabuli_chr07	13615227	GG	TT	1940402134
SNP_P1_140501_13617571	NC_021166.1	Ca_kabuli_chr07	13617571	CC	TT	1940402136
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SNP_P1_140503_13617846	NC_021166.1	Ca_kabuli_chr07	13617846	TT	CC	1940402140
SNP_P1_140504_13617854	NC_021166.1	Ca_kabuli_chr07	13617854	TT	CC	1940402141
SNP_P1_140505_13617988	NC_021166.1	Ca_kabuli_chr07	13617988	TT	CC	1940402143
SNP_P1_140506_13617992	NC_021166.1	Ca_kabuli_chr07	13617992	AA	GG	1940402145
SNP_P1_140507_13618612	NC_021166.1	Ca_kabuli_chr07	13618612	GG	AA	1940402147
SNP_P1_140508_13618684	NC_021166.1	Ca_kabuli_chr07	13618684	AA	GG	1940402149
SNP_P1_140510_13619042	NC_021166.1	Ca_kabuli_chr07	13619042	TT	GG	1940402150

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140512_13620058	NC_021166.1	Ca_kabuli_chr07	13620058	GG	AA	1940402154
SNP_P1_140513_13620059	NC_021166.1	Ca_kabuli_chr07	13620059	CC	TT	1940402156
SNP_P1_140514_13620091	NC_021166.1	Ca_kabuli_chr07	13620091	TT	GG	1940402157
SNP_P1_140515_13620093	NC_021166.1	Ca_kabuli_chr07	13620093	AA	GG	1940402159
SNP_P1_140517_13621318	NC_021166.1	Ca_kabuli_chr07	13621318	AA	GG	1940402161
SNP_P1_140518_13621526	NC_021166.1	Ca_kabuli_chr07	13621526	GG	AA	1940402163
SNP_P1_140519_13621583	NC_021166.1	Ca_kabuli_chr07	13621583	CC	GG	1940402165
SNP_P1_140520_13621591	NC_021166.1	Ca_kabuli_chr07	13621591	AA	GG	1940402166
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SNP_P1_140522_13621816	NC_021166.1	Ca_kabuli_chr07	13621816	GG	CC	1940402170
SNP_P1_140523_13621880	NC_021166.1	Ca_kabuli_chr07	13621880	AA	GG	1940402172
SNP_P1_140524_13621939	NC_021166.1	Ca_kabuli_chr07	13621939	GG	CC	1940402174
SNP_P1_140525_13621993	NC_021166.1	Ca_kabuli_chr07	13621993	AA	GG	1940402175
SNP_P1_140526_13621994	NC_021166.1	Ca_kabuli_chr07	13621994	GG	AA	1940402177
SNP_P1_140527_13621998	NC_021166.1	Ca_kabuli_chr07	13621998	CC	TT	1940402179
SNP_P1_140529_13622754	NC_021166.1	Ca_kabuli_chr07	13622754	GG	AA	1940402181
SNP_P1_140530_13622755	NC_021166.1	Ca_kabuli_chr07	13622755	GG	TT	1940402183
SNP_P1_140532_13623912	NC_021166.1	Ca_kabuli_chr07	13623912	GG	AA	1940402184
SNP_P1_140535_13625695	NC_021166.1	Ca_kabuli_chr07	13625695	GG	CC	1940402186
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SNP_P1_140538_13626225	NC_021166.1	Ca_kabuli_chr07	13626225	AA	TT	1940402191
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SNP_P1_140540_13626969	NC_021166.1	Ca_kabuli_chr07	13626969	GG	AA	1940402195
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SNP_P1_140543_13627427	NC_021166.1	Ca_kabuli_chr07	13627427	TT	CC	1940402199
SNP_P1_140544_13627448	NC_021166.1	Ca_kabuli_chr07	13627448	AA	GG	1940402200
SNP_P1_140545_13628003	NC_021166.1	Ca_kabuli_chr07	13628003	CC	TT	1940402202
SNP_P1_140546_13628043	NC_021166.1	Ca_kabuli_chr07	13628043	AA	GG	1940402204
SNP_P1_140547_13628056	NC_021166.1	Ca_kabuli_chr07	13628056	CC	GG	1940402206
SNP_P1_140548_13628316	NC_021166.1	Ca_kabuli_chr07	13628316	CC	TT	1940402208
SNP_P1_140549_13629611	NC_021166.1	Ca_kabuli_chr07	13629611	CC	TT	1940402209
SNP_P1_140550_13631005	NC_021166.1	Ca_kabuli_chr07	13631005	GG	AA	1940402211
SNP_P1_140551_13631028	NC_021166.1	Ca_kabuli_chr07	13631028	TT	CC	1940402213
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SNP_P1_140553_13631321	NC_021166.1	Ca_kabuli_chr07	13631321	GG	TT	1940402217
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SNP_P1_140555_13631561	NC_021166.1	Ca_kabuli_chr07	13631561	TT	AA	1940402220
SNP_P1_140556_13638887	NC_021166.1	Ca_kabuli_chr07	13638887	CC	GG	1940402222
SNP_P1_140557_13639039	NC_021166.1	Ca_kabuli_chr07	13639039	CC	TT	1940402224
SNP_P1_140558_13640454	NC_021166.1	Ca_kabuli_chr07	13640454	AA	TT	1940402226

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140561_13644121	NC_021166.1	Ca_kabuli_chr07	13644121	GG	AA	1940402231
SNP_P1_140562_13644994	NC_021166.1	Ca_kabuli_chr07	13644994	TT	CC	1940402233
SNP_P1_140563_13645266	NC_021166.1	Ca_kabuli_chr07	13645266	TT	GG	1940402234
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SNP_P1_140565_13645531	NC_021166.1	Ca_kabuli_chr07	13645531	AA	GG	1940402238
SNP_P1_140566_13645944	NC_021166.1	Ca_kabuli_chr07	13645944	AA	CC	1940402240
SNP_P1_140567_13647692	NC_021166.1	Ca_kabuli_chr07	13647692	GG	AA	1940402242
SNP_P1_140568_13647718	NC_021166.1	Ca_kabuli_chr07	13647718	CC	AA	1940402243
SNP_P1_140569_13647734	NC_021166.1	Ca_kabuli_chr07	13647734	AA	TT	1940402245
SNP_P1_140570_13647767	NC_021166.1	Ca_kabuli_chr07	13647767	TT	AA	1940402247
SNP_P1_140571_13647771	NC_021166.1	Ca_kabuli_chr07	13647771	TT	CC	1940402249
SNP_P1_140572_13647794	NC_021166.1	Ca_kabuli_chr07	13647794	AA	GG	1940402251
SNP_P1_140574_13648273	NC_021166.1	Ca_kabuli_chr07	13648273	GG	AA	1940402252
SNP_P1_140575_13648939	NC_021166.1	Ca_kabuli_chr07	13648939	AA	TT	1940402254
SNP_P1_140576_13648946	NC_021166.1	Ca_kabuli_chr07	13648946	AA	TT	1940402256
SNP_P1_140577_13649133	NC_021166.1	Ca_kabuli_chr07	13649133	AA	GG	1940402258
SNP_P1_140578_13649151	NC_021166.1	Ca_kabuli_chr07	13649151	TT	AA	1940402259
SNP_P1_140579_13649172	NC_021166.1	Ca_kabuli_chr07	13649172	CC	TT	1940402261
SNP_P1_140580_13649390	NC_021166.1	Ca_kabuli_chr07	13649390	AA	GG	1940402263
SNP_P1_140581_13649393	NC_021166.1	Ca_kabuli_chr07	13649393	AA	GG	1940402265
SNP_P1_140582_13649420	NC_021166.1	Ca_kabuli_chr07	13649420	CC	AA	1940402267
SNP_P1_140583_13649437	NC_021166.1	Ca_kabuli_chr07	13649437	CC	GG	1940402268
SNP_P1_140584_13649506	NC_021166.1	Ca_kabuli_chr07	13649506	TT	CC	1940402270
SNP_P1_140586_13652053	NC_021166.1	Ca_kabuli_chr07	13652053	CC	TT	1940402272
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SNP_P1_140588_13652621	NC_021166.1	Ca_kabuli_chr07	13652621	GG	TT	1940402275
SNP_P1_140591_13655930	NC_021166.1	Ca_kabuli_chr07	13655930	TT	CC	1940402277
SNP_P1_140594_13657792	NC_021166.1	Ca_kabuli_chr07	13657792	AA	GG	1940402279
SNP_P1_140595_13658777	NC_021166.1	Ca_kabuli_chr07	13658777	GG	AA	1940402281
SNP_P1_140596_13659153	NC_021166.1	Ca_kabuli_chr07	13659153	TT	AA	1940402283
SNP_P1_140598_13660079	NC_021166.1	Ca_kabuli_chr07	13660079	CC	TT	1940402284
SNP_P1_140599_13661205	NC_021166.1	Ca_kabuli_chr07	13661205	TT	CC	1940402286
SNP_P1_140600_13661333	NC_021166.1	Ca_kabuli_chr07	13661333	AA	GG	1940402288
SNP_P1_140601_13661599	NC_021166.1	Ca_kabuli_chr07	13661599	AA	GG	1940402290
SNP_P1_140603_13662288	NC_021166.1	Ca_kabuli_chr07	13662288	AA	GG	1940402292
SNP_P1_140604_13662580	NC_021166.1	Ca_kabuli_chr07	13662580	GG	AA	1940402293
SNP_P1_140605_13662584	NC_021166.1	Ca_kabuli_chr07	13662584	TT	AA	1940402295
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SNP_P1_140607_13663763	NC_021166.1	Ca_kabuli_chr07	13663763	CC	TT	1940402299
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140611_13663975	NC_021166.1	Ca_kabuli_chr07	13663975	GG	TT	1940402306
SNP_P1_140612_13663985	NC_021166.1	Ca_kabuli_chr07	13663985	TT	CC	1940402308
SNP_P1_140613_13664261	NC_021166.1	Ca_kabuli_chr07	13664261	CC	TT	1940402309
SNP_P1_140614_13664331	NC_021166.1	Ca_kabuli_chr07	13664331	CC	TT	1940402311
SNP_P1_140615_13664484	NC_021166.1	Ca_kabuli_chr07	13664484	GG	TT	1940402313
SNP_P1_140616_13664485	NC_021166.1	Ca_kabuli_chr07	13664485	TT	GG	1940402315
SNP_P1_140617_13664580	NC_021166.1	Ca_kabuli_chr07	13664580	TT	GG	1940402317
SNP_P1_140618_13664620	NC_021166.1	Ca_kabuli_chr07	13664620	AA	GG	1940402318
SNP_P1_140619_13664629	NC_021166.1	Ca_kabuli_chr07	13664629	AA	GG	1940402320
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SNP_P1_140621_13664765	NC_021166.1	Ca_kabuli_chr07	13664765	GG	AA	1940402324
SNP_P1_140622_13664783	NC_021166.1	Ca_kabuli_chr07	13664783	AA	GG	1940402326
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SNP_P1_140634_13671455	NC_021166.1	Ca_kabuli_chr07	13671455	AA	GG	1940402345
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SNP_P1_140640_13673461	NC_021166.1	Ca_kabuli_chr07	13673461	AA	CC	1940402356
SNP_P1_140641_13674703	NC_021166.1	Ca_kabuli_chr07	13674703	AA	GG	1940402358
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SNP_P1_140647_13677862	NC_021166.1	Ca_kabuli_chr07	13677862	CC	TT	1940402365
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SNP_P1_140651_13680337	NC_021166.1	Ca_kabuli_chr07	13680337	GG	AA	1940402368
SNP_P1_140653_13683658	NC_021166.1	Ca_kabuli_chr07	13683658	AA	TT	1940402370
SNP_P1_140654_13683816	NC_021166.1	Ca_kabuli_chr07	13683816	AA	TT	1940402372
SNP_P1_140656_13684199	NC_021166.1	Ca_kabuli_chr07	13684199	AA	GG	1940402374
SNP_P1_140657_13684220	NC_021166.1	Ca_kabuli_chr07	13684220	CC	TT	1940402376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140662_13685775	NC_021166.1	Ca_kabuli_chr07	13685775	GG	AA	1940402381
SNP_P1_140663_13685778	NC_021166.1	Ca_kabuli_chr07	13685778	CC	GG	1940402383
SNP_P1_140664_13685779	NC_021166.1	Ca_kabuli_chr07	13685779	AA	TT	1940402385
SNP_P1_140665_13686215	NC_021166.1	Ca_kabuli_chr07	13686215	TT	CC	1940402386
SNP_P1_140666_13686339	NC_021166.1	Ca_kabuli_chr07	13686339	GG	TT	1940402388
SNP_P1_140667_13686430	NC_021166.1	Ca_kabuli_chr07	13686430	CC	GG	1940402390
SNP_P1_140668_13686467	NC_021166.1	Ca_kabuli_chr07	13686467	AA	TT	1940402392
SNP_P1_140669_13686468	NC_021166.1	Ca_kabuli_chr07	13686468	GG	AA	1940402393
SNP_P1_140670_13686546	NC_021166.1	Ca_kabuli_chr07	13686546	CC	TT	1940402395
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SNP_P1_140691_13690527	NC_021166.1	Ca_kabuli_chr07	13690527	GG	AA	1940402431
SNP_P1_140693_13690626	NC_021166.1	Ca_kabuli_chr07	13690626	AA	GG	1940402433
SNP_P1_140694_13690905	NC_021166.1	Ca_kabuli_chr07	13690905	GG	AA	1940402435
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SNP_P1_140700_13692291	NC_021166.1	Ca_kabuli_chr07	13692291	GG	AA	1940402445
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SNP_P1_140702_13692825	NC_021166.1	Ca_kabuli_chr07	13692825	TT	CC	1940402449
SNP_P1_140703_13693031	NC_021166.1	Ca_kabuli_chr07	13693031	AA	GG	1940402451

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140706_13693370	NC_021166.1	Ca_kabuli_chr07	13693370	CC	TT	1940402456
SNP_P1_140707_13693385	NC_021166.1	Ca_kabuli_chr07	13693385	AA	GG	1940402458
SNP_P1_140708_13693560	NC_021166.1	Ca_kabuli_chr07	13693560	TT	CC	1940402460
SNP_P1_140709_13693584	NC_021166.1	Ca_kabuli_chr07	13693584	AA	GG	1940402462
SNP_P1_140710_13693771	NC_021166.1	Ca_kabuli_chr07	13693771	TT	CC	1940402463
SNP_P1_140711_13693829	NC_021166.1	Ca_kabuli_chr07	13693829	CC	AA	1940402465
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SNP_P1_140715_13696404	NC_021166.1	Ca_kabuli_chr07	13696404	GG	AA	1940402472
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SNP_P1_140719_13697010	NC_021166.1	Ca_kabuli_chr07	13697010	GG	TT	1940402479
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SNP_P1_140733_13701246	NC_021166.1	Ca_kabuli_chr07	13701246	CC	TT	1940402503
SNP_P1_140734_13701512	NC_021166.1	Ca_kabuli_chr07	13701512	TT	CC	1940402504
SNP_P1_140735_13703115	NC_021166.1	Ca_kabuli_chr07	13703115	CC	TT	1940402506
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SNP_P1_140744_13709829	NC_021166.1	Ca_kabuli_chr07	13709829	AA	GG	1940402521
SNP_P1_140745_13710739	NC_021166.1	Ca_kabuli_chr07	13710739	CC	AA	1940402522
SNP_P1_140746_13710899	NC_021166.1	Ca_kabuli_chr07	13710899	GG	TT	1940402524
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140751_13714117	NC_021166.1	Ca_kabuli_chr07	13714117	GG	AA	1940402533
SNP_P1_140752_13714165	NC_021166.1	Ca_kabuli_chr07	13714165	CC	GG	1940402535
SNP_P1_140753_13714177	NC_021166.1	Ca_kabuli_chr07	13714177	GG	AA	1940402537
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SNP_P1_140762_13717770	NC_021166.1	Ca_kabuli_chr07	13717770	AA	GG	1940402549
SNP_P1_140763_13717827	NC_021166.1	Ca_kabuli_chr07	13717827	TT	AA	1940402551
SNP_P1_140764_13717886	NC_021166.1	Ca_kabuli_chr07	13717886	TT	AA	1940402553
SNP_P1_140765_13717925	NC_021166.1	Ca_kabuli_chr07	13717925	CC	TT	1940402554
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SNP_P1_140767_13718276	NC_021166.1	Ca_kabuli_chr07	13718276	AA	GG	1940402558
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SNP_P1_140771_13719009	NC_021166.1	Ca_kabuli_chr07	13719009	TT	CC	1940402563
SNP_P1_140772_13719047	NC_021166.1	Ca_kabuli_chr07	13719047	TT	CC	1940402565
SNP_P1_140773_13719063	NC_021166.1	Ca_kabuli_chr07	13719063	AA	TT	1940402567
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SNP_P1_140778_13722080	NC_021166.1	Ca_kabuli_chr07	13722080	AA	TT	1940402574
SNP_P1_140779_13722509	NC_021166.1	Ca_kabuli_chr07	13722509	TT	AA	1940402576
SNP_P1_140780_13722677	NC_021166.1	Ca_kabuli_chr07	13722677	CC	AA	1940402578
SNP_P1_140782_13722939	NC_021166.1	Ca_kabuli_chr07	13722939	AA	TT	1940402580
SNP_P1_140784_13723585	NC_021166.1	Ca_kabuli_chr07	13723585	GG	AA	1940402581
SNP_P1_140785_13728022	NC_021166.1	Ca_kabuli_chr07	13728022	CC	AA	1940402583
SNP_P1_140786_13728306	NC_021166.1	Ca_kabuli_chr07	13728306	GG	AA	1940402585
SNP_P1_140787_13729229	NC_021166.1	Ca_kabuli_chr07	13729229	CC	TT	1940402587
SNP_P1_140788_13729787	NC_021166.1	Ca_kabuli_chr07	13729787	TT	CC	1940402589
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SNP_P1_140791_13731705	NC_021166.1	Ca_kabuli_chr07	13731705	AA	TT	1940402592
SNP_P1_140792_13732458	NC_021166.1	Ca_kabuli_chr07	13732458	TT	CC	1940402594
SNP_P1_140794_13734210	NC_021166.1	Ca_kabuli_chr07	13734210	GG	TT	1940402596
SNP_P1_140795_13734219	NC_021166.1	Ca_kabuli_chr07	13734219	AA	GG	1940402597
SNP_P1_140797_13734312	NC_021166.1	Ca_kabuli_chr07	13734312	CC	GG	1940402599
SNP_P1_140798_13734342	NC_021166.1	Ca_kabuli_chr07	13734342	CC	TT	1940402601

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140800_13735348	NC_021166.1	Ca_kabuli_chr07	13735348	TT	GG	1940402605
SNP_P1_140801_13735361	NC_021166.1	Ca_kabuli_chr07	13735361	GG	CC	1940402606
SNP_P1_140802_13735388	NC_021166.1	Ca_kabuli_chr07	13735388	TT	CC	1940402608
SNP_P1_140803_13735389	NC_021166.1	Ca_kabuli_chr07	13735389	TT	GG	1940402610
SNP_P1_140804_13735392	NC_021166.1	Ca_kabuli_chr07	13735392	TT	CC	1940402612
SNP_P1_140805_13737781	NC_021166.1	Ca_kabuli_chr07	13737781	AA	TT	1940402614
SNP_P1_140806_13737846	NC_021166.1	Ca_kabuli_chr07	13737846	GG	AA	1940402615
SNP_P1_140807_13737981	NC_021166.1	Ca_kabuli_chr07	13737981	TT	CC	1940402617
SNP_P1_140808_13737991	NC_021166.1	Ca_kabuli_chr07	13737991	GG	TT	1940402619
SNP_P1_140809_13738013	NC_021166.1	Ca_kabuli_chr07	13738013	CC	TT	1940402621
SNP_P1_140810_13738096	NC_021166.1	Ca_kabuli_chr07	13738096	GG	TT	1940402622
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SNP_P1_140812_13738175	NC_021166.1	Ca_kabuli_chr07	13738175	TT	CC	1940402626
SNP_P1_140815_13742278	NC_021166.1	Ca_kabuli_chr07	13742278	CC	AA	1940402628
SNP_P1_140816_13743845	NC_021166.1	Ca_kabuli_chr07	13743845	GG	AA	1940402630
SNP_P1_140817_13743967	NC_021166.1	Ca_kabuli_chr07	13743967	GG	AA	1940402631
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SNP_P1_140832_13759341	NC_021166.1	Ca_kabuli_chr07	13759341	CC	GG	1940402658
SNP_P1_140833_13759409	NC_021166.1	Ca_kabuli_chr07	13759409	CC	TT	1940402660
SNP_P1_140835_13761295	NC_021166.1	Ca_kabuli_chr07	13761295	GG	CC	1940402662
SNP_P1_140837_13762458	NC_021166.1	Ca_kabuli_chr07	13762458	TT	CC	1940402664
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SNP_P1_140840_13763046	NC_021166.1	Ca_kabuli_chr07	13763046	CC	GG	1940402667
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SNP_P1_140842_13763095	NC_021166.1	Ca_kabuli_chr07	13763095	GG	AA	1940402671
SNP_P1_140843_13763113	NC_021166.1	Ca_kabuli_chr07	13763113	AA	GG	1940402672
SNP_P1_140844_13763627	NC_021166.1	Ca_kabuli_chr07	13763627	AA	GG	1940402674
SNP_P1_140845_13763628	NC_021166.1	Ca_kabuli_chr07	13763628	AA	TT	1940402676

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140847_13763630	NC_021166.1	Ca_kabuli_chr07	13763630	TT	CC	1940402680
SNP_P1_140848_13763631	NC_021166.1	Ca_kabuli_chr07	13763631	TT	AA	1940402681
SNP_P1_140849_13765430	NC_021166.1	Ca_kabuli_chr07	13765430	TT	GG	1940402683
SNP_P1_140851_13765706	NC_021166.1	Ca_kabuli_chr07	13765706	AA	GG	1940402685
SNP_P1_140852_13765947	NC_021166.1	Ca_kabuli_chr07	13765947	GG	AA	1940402687
SNP_P1_140853_13766062	NC_021166.1	Ca_kabuli_chr07	13766062	AA	GG	1940402689
SNP_P1_140854_13767439	NC_021166.1	Ca_kabuli_chr07	13767439	GG	AA	1940402690
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SNP_P1_140857_13768452	NC_021166.1	Ca_kabuli_chr07	13768452	TT	CC	1940402696
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SNP_P1_140860_13769169	NC_021166.1	Ca_kabuli_chr07	13769169	CC	GG	1940402701
SNP_P1_140861_13769345	NC_021166.1	Ca_kabuli_chr07	13769345	AA	GG	1940402703
SNP_P1_140862_13769360	NC_021166.1	Ca_kabuli_chr07	13769360	TT	CC	1940402705
SNP_P1_140863_13769386	NC_021166.1	Ca_kabuli_chr07	13769386	AA	GG	1940402706
SNP_P1_140864_13769395	NC_021166.1	Ca_kabuli_chr07	13769395	CC	GG	1940402708
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SNP_P1_140866_13769727	NC_021166.1	Ca_kabuli_chr07	13769727	TT	GG	1940402712
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SNP_P1_140873_13775420	NC_021166.1	Ca_kabuli_chr07	13775420	AA	GG	1940402724
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SNP_P1_140876_13778665	NC_021166.1	Ca_kabuli_chr07	13778665	TT	GG	1940402728
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SNP_P1_140878_13779166	NC_021166.1	Ca_kabuli_chr07	13779166	CC	TT	1940402732
SNP_P1_140879_13779636	NC_021166.1	Ca_kabuli_chr07	13779636	AA	GG	1940402733
SNP_P1_140880_13779845	NC_021166.1	Ca_kabuli_chr07	13779845	CC	TT	1940402735
SNP_P1_140881_13779925	NC_021166.1	Ca_kabuli_chr07	13779925	CC	AA	1940402737
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SNP_P1_140889_13864245	NC_021166.1	Ca_kabuli_chr07	13864245	AA	CC	1940402748
SNP_P1_140891_13868180	NC_021166.1	Ca_kabuli_chr07	13868180	AA	GG	1940402750
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140895_13929117	NC_021166.1	Ca_kabuli_chr07	13929117	CC	TT	1940402755
SNP_P1_140896_13932227	NC_021166.1	Ca_kabuli_chr07	13932227	AA	CC	1940402757
SNP_P1_140897_13933069	NC_021166.1	Ca_kabuli_chr07	13933069	AA	GG	1940402758
SNP_P1_140898_13937142	NC_021166.1	Ca_kabuli_chr07	13937142	AA	TT	1940402760
SNP_P1_140899_13995161	NC_021166.1	Ca_kabuli_chr07	13995161	GG	AA	1940402762
SNP_P1_140900_13996827	NC_021166.1	Ca_kabuli_chr07	13996827	CC	AA	1940402764
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SNP_P1_140904_14016177	NC_021166.1	Ca_kabuli_chr07	14016177	TT	AA	1940402769
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SNP_P1_140906_14022362	NC_021166.1	Ca_kabuli_chr07	14022362	TT	CC	1940402773
SNP_P1_140907_14026845	NC_021166.1	Ca_kabuli_chr07	14026845	TT	GG	1940402775
SNP_P1_140909_14028626	NC_021166.1	Ca_kabuli_chr07	14028626	AA	CC	1940402776
SNP_P1_140910_14042182	NC_021166.1	Ca_kabuli_chr07	14042182	AA	GG	1940402778
SNP_P1_140912_14059308	NC_021166.1	Ca_kabuli_chr07	14059308	TT	GG	1940402780
SNP_P1_140913_14065295	NC_021166.1	Ca_kabuli_chr07	14065295	CC	TT	1940402782
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SNP_P1_140931_14083389	NC_021166.1	Ca_kabuli_chr07	14083389	AA	CC	1940402809
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SNP_P1_140936_14091349	NC_021166.1	Ca_kabuli_chr07	14091349	CC	TT	1940402818
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SNP_P1_140938_14091426	NC_021166.1	Ca_kabuli_chr07	14091426	AA	CC	1940402821
SNP_P1_140939_14091464	NC_021166.1	Ca_kabuli_chr07	14091464	AA	CC	1940402823
SNP_P1_140940_14091471	NC_021166.1	Ca_kabuli_chr07	14091471	GG	CC	1940402825
SNP_P1_140941_14091724	NC_021166.1	Ca_kabuli_chr07	14091724	CC	AA	1940402826

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_140944_14091820	NC_021166.1	Ca_kabuli_chr07	14091820	AA	TT	1940402832
SNP_P1_140945_14108503	NC_021166.1	Ca_kabuli_chr07	14108503	GG	AA	1940402834
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SNP_P1_140948_14128881	NC_021166.1	Ca_kabuli_chr07	14128881	AA	CC	1940402837
SNP_P1_140949_14138444	NC_021166.1	Ca_kabuli_chr07	14138444	TT	CC	1940402839
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SNP_P1_140965_14304881	NC_021166.1	Ca_kabuli_chr07	14304881	GG	AA	1940402852
SNP_P1_140967_14331663	NC_021166.1	Ca_kabuli_chr07	14331663	CC	TT	1940402853
SNP_P1_140968_14336942	NC_021166.1	Ca_kabuli_chr07	14336942	GG	AA	1940402855
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SNP_P1_140974_14370003	NC_021166.1	Ca_kabuli_chr07	14370003	TT	CC	1940402864
SNP_P1_140975_14370038	NC_021166.1	Ca_kabuli_chr07	14370038	CC	TT	1940402866
SNP_P1_140976_14370990	NC_021166.1	Ca_kabuli_chr07	14370990	CC	TT	1940402868
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SNP_P1_140982_14381698	NC_021166.1	Ca_kabuli_chr07	14381698	TT	CC	1940402877
SNP_P1_140983_14382882	NC_021166.1	Ca_kabuli_chr07	14382882	AA	GG	1940402878
SNP_P1_140984_14382889	NC_021166.1	Ca_kabuli_chr07	14382889	GG	AA	1940402880
SNP_P1_140985_14396669	NC_021166.1	Ca_kabuli_chr07	14396669	AA	TT	1940402882
SNP_P1_140986_14396672	NC_021166.1	Ca_kabuli_chr07	14396672	TT	CC	1940402884
SNP_P1_140987_14404670	NC_021166.1	Ca_kabuli_chr07	14404670	CC	TT	1940402886
SNP_P1_140989_14449415	NC_021166.1	Ca_kabuli_chr07	14449415	CC	AA	1940402887
SNP_P1_140991_14452402	NC_021166.1	Ca_kabuli_chr07	14452402	AA	TT	1940402889
SNP_P1_140992_14452407	NC_021166.1	Ca_kabuli_chr07	14452407	CC	TT	1940402891
SNP_P1_140995_14468295	NC_021166.1	Ca_kabuli_chr07	14468295	CC	TT	1940402893
SNP_P1_140996_14483058	NC_021166.1	Ca_kabuli_chr07	14483058	TT	CC	1940402895
SNP_P1_140997_14483512	NC_021166.1	Ca_kabuli_chr07	14483512	AA	GG	1940402896
SNP_P1_140998_14483513	NC_021166.1	Ca_kabuli_chr07	14483513	TT	CC	1940402898
SNP_P1_140999_14490120	NC_021166.1	Ca_kabuli_chr07	14490120	AA	GG	1940402900
SNP_P1_141000_14492774	NC_021166.1	Ca_kabuli_chr07	14492774	GG	TT	1940402902

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141003_14514783	NC_021166.1	Ca_kabuli_chr07	14514783	TT	AA	1940402905
SNP_P1_141004_14515040	NC_021166.1	Ca_kabuli_chr07	14515040	AA	GG	1940402907
SNP_P1_141005_14539016	NC_021166.1	Ca_kabuli_chr07	14539016	CC	TT	1940402909
SNP_P1_141006_14545388	NC_021166.1	Ca_kabuli_chr07	14545388	TT	GG	1940402911
SNP_P1_141008_14585588	NC_021166.1	Ca_kabuli_chr07	14585588	GG	TT	1940402912
SNP_P1_141009_14585851	NC_021166.1	Ca_kabuli_chr07	14585851	CC	AA	1940402914
SNP_P1_141010_14603555	NC_021166.1	Ca_kabuli_chr07	14603555	GG	AA	1940402916
SNP_P1_141011_14616838	NC_021166.1	Ca_kabuli_chr07	14616838	AA	GG	1940402918
SNP_P1_141012_14653921	NC_021166.1	Ca_kabuli_chr07	14653921	CC	AA	1940402920
SNP_P1_141013_14669190	NC_021166.1	Ca_kabuli_chr07	14669190	TT	GG	1940402921
SNP_P1_141014_14688746	NC_021166.1	Ca_kabuli_chr07	14688746	GG	AA	1940402923
SNP_P1_141015_14688907	NC_021166.1	Ca_kabuli_chr07	14688907	TT	GG	1940402925
SNP_P1_141017_14724501	NC_021166.1	Ca_kabuli_chr07	14724501	TT	AA	1940402927
SNP_P1_141018_14737215	NC_021166.1	Ca_kabuli_chr07	14737215	CC	TT	1940402929
SNP_P1_141020_14746541	NC_021166.1	Ca_kabuli_chr07	14746541	GG	AA	1940402930
SNP_P1_141022_14749024	NC_021166.1	Ca_kabuli_chr07	14749024	TT	AA	1940402932
SNP_P1_141023_14766717	NC_021166.1	Ca_kabuli_chr07	14766717	GG	AA	1940402934
SNP_P1_141024_14777784	NC_021166.1	Ca_kabuli_chr07	14777784	CC	TT	1940402936
SNP_P1_141025_14778008	NC_021166.1	Ca_kabuli_chr07	14778008	AA	GG	1940402938
SNP_P1_141026_14780895	NC_021166.1	Ca_kabuli_chr07	14780895	CC	GG	1940402939
SNP_P1_141028_14786839	NC_021166.1	Ca_kabuli_chr07	14786839	AA	GG	1940402941
SNP_P1_141029_14786998	NC_021166.1	Ca_kabuli_chr07	14786998	GG	TT	1940402943
SNP_P1_141030_14788175	NC_021166.1	Ca_kabuli_chr07	14788175	AA	GG	1940402945
SNP_P1_141031_14803143	NC_021166.1	Ca_kabuli_chr07	14803143	AA	GG	1940402946
SNP_P1_141033_14806758	NC_021166.1	Ca_kabuli_chr07	14806758	AA	GG	1940402948
SNP_P1_141034_14806767	NC_021166.1	Ca_kabuli_chr07	14806767	CC	TT	1940402950
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SNP_P1_141036_14809291	NC_021166.1	Ca_kabuli_chr07	14809291	CC	TT	1940402954
SNP_P1_141037_14811699	NC_021166.1	Ca_kabuli_chr07	14811699	AA	GG	1940402955
SNP_P1_141038_14811732	NC_021166.1	Ca_kabuli_chr07	14811732	TT	CC	1940402957
SNP_P1_141039_14813851	NC_021166.1	Ca_kabuli_chr07	14813851	GG	AA	1940402959
SNP_P1_141040_14821267	NC_021166.1	Ca_kabuli_chr07	14821267	CC	TT	1940402961
SNP_P1_141041_14831224	NC_021166.1	Ca_kabuli_chr07	14831224	AA	CC	1940402963
SNP_P1_141042_14831856	NC_021166.1	Ca_kabuli_chr07	14831856	AA	CC	1940402964
SNP_P1_141044_14858045	NC_021166.1	Ca_kabuli_chr07	14858045	AA	TT	1940402966
SNP_P1_141045_14858046	NC_021166.1	Ca_kabuli_chr07	14858046	TT	CC	1940402968
SNP_P1_141046_14871320	NC_021166.1	Ca_kabuli_chr07	14871320	CC	TT	1940402970
SNP_P1_141047_14872189	NC_021166.1	Ca_kabuli_chr07	14872189	CC	AA	1940402972
SNP_P1_141048_14879919	NC_021166.1	Ca_kabuli_chr07	14879919	TT	GG	1940402973
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SNP_P1_141052_14913007	NC_021166.1	Ca_kabuli_chr07	14913007	CC	AA	1940402977

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141056_14952512	NC_021166.1	Ca_kabuli_chr07	14952512	AA	TT	1940402980
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SNP_P1_141058_14959427	NC_021166.1	Ca_kabuli_chr07	14959427	GG	AA	1940402984
SNP_P1_141059_14965474	NC_021166.1	Ca_kabuli_chr07	14965474	AA	GG	1940402986
SNP_P1_141060_14968265	NC_021166.1	Ca_kabuli_chr07	14968265	GG	TT	1940402988
SNP_P1_141061_14971329	NC_021166.1	Ca_kabuli_chr07	14971329	GG	AA	1940402989
SNP_P1_141062_14980843	NC_021166.1	Ca_kabuli_chr07	14980843	GG	AA	1940402991
SNP_P1_141064_15019062	NC_021166.1	Ca_kabuli_chr07	15019062	CC	TT	1940402993
SNP_P1_141065_15031527	NC_021166.1	Ca_kabuli_chr07	15031527	AA	TT	1940402995
SNP_P1_141066_15031572	NC_021166.1	Ca_kabuli_chr07	15031572	TT	AA	1940402997
SNP_P1_141067_15037778	NC_021166.1	Ca_kabuli_chr07	15037778	CC	TT	1940402998
SNP_P1_141068_15037796	NC_021166.1	Ca_kabuli_chr07	15037796	AA	CC	1940403000
SNP_P1_141069_15037814	NC_021166.1	Ca_kabuli_chr07	15037814	AA	GG	1940403002
SNP_P1_141070_15037821	NC_021166.1	Ca_kabuli_chr07	15037821	CC	TT	1940403004
SNP_P1_141071_15071515	NC_021166.1	Ca_kabuli_chr07	15071515	AA	GG	1940403006
SNP_P1_141072_15071533	NC_021166.1	Ca_kabuli_chr07	15071533	AA	GG	1940403007
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SNP_P1_141075_15076078	NC_021166.1	Ca_kabuli_chr07	15076078	AA	GG	1940403013
SNP_P1_141076_15084715	NC_021166.1	Ca_kabuli_chr07	15084715	CC	TT	1940403015
SNP_P1_141077_15088720	NC_021166.1	Ca_kabuli_chr07	15088720	CC	TT	1940403016
SNP_P1_141082_15209077	NC_021166.1	Ca_kabuli_chr07	15209077	AA	GG	1940403018
SNP_P1_141083_15211985	NC_021166.1	Ca_kabuli_chr07	15211985	TT	CC	1940403020
SNP_P1_141084_15211990	NC_021166.1	Ca_kabuli_chr07	15211990	TT	GG	1940403022
SNP_P1_141086_15226708	NC_021166.1	Ca_kabuli_chr07	15226708	TT	CC	1940403023
SNP_P1_141087_15239344	NC_021166.1	Ca_kabuli_chr07	15239344	TT	CC	1940403025
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SNP_P1_141089_15263322	NC_021166.1	Ca_kabuli_chr07	15263322	TT	AA	1940403029
SNP_P1_141090_15265873	NC_021166.1	Ca_kabuli_chr07	15265873	TT	GG	1940403031
SNP_P1_141092_15269516	NC_021166.1	Ca_kabuli_chr07	15269516	AA	GG	1940403032
SNP_P1_141093_15278316	NC_021166.1	Ca_kabuli_chr07	15278316	GG	AA	1940403034
SNP_P1_141094_15278334	NC_021166.1	Ca_kabuli_chr07	15278334	CC	TT	1940403036
SNP_P1_141095_15278355	NC_021166.1	Ca_kabuli_chr07	15278355	AA	GG	1940403038
SNP_P1_141096_15278397	NC_021166.1	Ca_kabuli_chr07	15278397	AA	GG	1940403040
SNP_P1_141097_15278407	NC_021166.1	Ca_kabuli_chr07	15278407	GG	TT	1940403042
SNP_P1_141098_15278578	NC_021166.1	Ca_kabuli_chr07	15278578	CC	TT	1940403043
SNP_P1_141100_15302922	NC_021166.1	Ca_kabuli_chr07	15302922	GG	AA	1940403045
SNP_P1_141101_15303037	NC_021166.1	Ca_kabuli_chr07	15303037	TT	CC	1940403047
SNP_P1_141102_15303058	NC_021166.1	Ca_kabuli_chr07	15303058	TT	CC	1940403049
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SNP_P1_141104_15303485	NC_021166.1	Ca_kabuli_chr07	15303485	GG	AA	1940403052

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141106_15305126	NC_021166.1	Ca_kabuli_chr07	15305126	AA	GG	1940403056
SNP_P1_141107_15305140	NC_021166.1	Ca_kabuli_chr07	15305140	TT	CC	1940403058
SNP_P1_141108_15305188	NC_021166.1	Ca_kabuli_chr07	15305188	CC	TT	1940403059
SNP_P1_141109_15305202	NC_021166.1	Ca_kabuli_chr07	15305202	CC	TT	1940403061
SNP_P1_141110_15305213	NC_021166.1	Ca_kabuli_chr07	15305213	CC	AA	1940403063
SNP_P1_141111_15314900	NC_021166.1	Ca_kabuli_chr07	15314900	TT	GG	1940403065
SNP_P1_141112_15316602	NC_021166.1	Ca_kabuli_chr07	15316602	CC	TT	1940403067
SNP_P1_141114_15325439	NC_021166.1	Ca_kabuli_chr07	15325439	TT	CC	1940403068
SNP_P1_141115_15325568	NC_021166.1	Ca_kabuli_chr07	15325568	AA	GG	1940403070
SNP_P1_141116_15325847	NC_021166.1	Ca_kabuli_chr07	15325847	CC	TT	1940403072
SNP_P1_141117_15325858	NC_021166.1	Ca_kabuli_chr07	15325858	GG	AA	1940403074
SNP_P1_141119_15325894	NC_021166.1	Ca_kabuli_chr07	15325894	AA	GG	1940403076
SNP_P1_141120_15325907	NC_021166.1	Ca_kabuli_chr07	15325907	CC	TT	1940403077
SNP_P1_141121_15325909	NC_021166.1	Ca_kabuli_chr07	15325909	TT	GG	1940403079
SNP_P1_141122_15325913	NC_021166.1	Ca_kabuli_chr07	15325913	AA	GG	1940403081
SNP_P1_141123_15325918	NC_021166.1	Ca_kabuli_chr07	15325918	AA	GG	1940403083
SNP_P1_141124_15325921	NC_021166.1	Ca_kabuli_chr07	15325921	AA	GG	1940403085
SNP_P1_141125_15325933	NC_021166.1	Ca_kabuli_chr07	15325933	TT	CC	1940403086
SNP_P1_141126_15325942	NC_021166.1	Ca_kabuli_chr07	15325942	CC	AA	1940403088
SNP_P1_141127_15327958	NC_021166.1	Ca_kabuli_chr07	15327958	CC	GG	1940403090
SNP_P1_141128_15331391	NC_021166.1	Ca_kabuli_chr07	15331391	GG	TT	1940403092
SNP_P1_141129_15346807	NC_021166.1	Ca_kabuli_chr07	15346807	AA	TT	1940403093
SNP_P1_141130_15356352	NC_021166.1	Ca_kabuli_chr07	15356352	CC	TT	1940403095
SNP_P1_141131_15372164	NC_021166.1	Ca_kabuli_chr07	15372164	GG	AA	1940403097
SNP_P1_141132_15385013	NC_021166.1	Ca_kabuli_chr07	15385013	CC	TT	1940403099
SNP_P1_141134_15392798	NC_021166.1	Ca_kabuli_chr07	15392798	CC	TT	1940403101
SNP_P1_141135_15392869	NC_021166.1	Ca_kabuli_chr07	15392869	TT	AA	1940403102
SNP_P1_141137_15403617	NC_021166.1	Ca_kabuli_chr07	15403617	GG	CC	1940403104
SNP_P1_141138_15424342	NC_021166.1	Ca_kabuli_chr07	15424342	AA	GG	1940403106
SNP_P1_141139_15426952	NC_021166.1	Ca_kabuli_chr07	15426952	TT	AA	1940403108
SNP_P1_141140_15432201	NC_021166.1	Ca_kabuli_chr07	15432201	GG	AA	1940403110
SNP_P1_141141_15434686	NC_021166.1	Ca_kabuli_chr07	15434686	CC	TT	1940403111
SNP_P1_141143_15462772	NC_021166.1	Ca_kabuli_chr07	15462772	AA	TT	1940403113
SNP_P1_141144_15463343	NC_021166.1	Ca_kabuli_chr07	15463343	GG	AA	1940403115
SNP_P1_141146_15488424	NC_021166.1	Ca_kabuli_chr07	15488424	GG	AA	1940403117
SNP_P1_141147_15488426	NC_021166.1	Ca_kabuli_chr07	15488426	CC	TT	1940403119
SNP_P1_141148_15488445	NC_021166.1	Ca_kabuli_chr07	15488445	GG	AA	1940403120
SNP_P1_141149_15488533	NC_021166.1	Ca_kabuli_chr07	15488533	GG	AA	1940403122
SNP_P1_141153_15512337	NC_021166.1	Ca_kabuli_chr07	15512337	CC	GG	1940403124
SNP_P1_141154_15515868	NC_021166.1	Ca_kabuli_chr07	15515868	TT	GG	1940403126
SNP_P1_141156_15518760	NC_021166.1	Ca_kabuli_chr07	15518760	AA	GG	1940403128

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141159_15521031	NC_021166.1	Ca_kabuli_chr07	15521031	AA	GG	1940403131
SNP_P1_141160_15521043	NC_021166.1	Ca_kabuli_chr07	15521043	TT	CC	1940403133
SNP_P1_141161_15521137	NC_021166.1	Ca_kabuli_chr07	15521137	CC	TT	1940403135
SNP_P1_141162_15521155	NC_021166.1	Ca_kabuli_chr07	15521155	TT	CC	1940403137
SNP_P1_141163_15521191	NC_021166.1	Ca_kabuli_chr07	15521191	TT	CC	1940403138
SNP_P1_141164_15521198	NC_021166.1	Ca_kabuli_chr07	15521198	GG	CC	1940403140
SNP_P1_141165_15521208	NC_021166.1	Ca_kabuli_chr07	15521208	TT	CC	1940403142
SNP_P1_141166_15524004	NC_021166.1	Ca_kabuli_chr07	15524004	TT	AA	1940403144
SNP_P1_141167_15528388	NC_021166.1	Ca_kabuli_chr07	15528388	GG	TT	1940403145
SNP_P1_141168_15533866	NC_021166.1	Ca_kabuli_chr07	15533866	TT	AA	1940403147
SNP_P1_141173_15540031	NC_021166.1	Ca_kabuli_chr07	15540031	AA	GG	1940403149
SNP_P1_141174_15540036	NC_021166.1	Ca_kabuli_chr07	15540036	CC	TT	1940403151
SNP_P1_141175_15540682	NC_021166.1	Ca_kabuli_chr07	15540682	AA	GG	1940403153
SNP_P1_141176_15545116	NC_021166.1	Ca_kabuli_chr07	15545116	AA	CC	1940403154
SNP_P1_141177_15563947	NC_021166.1	Ca_kabuli_chr07	15563947	TT	CC	1940403156
SNP_P1_141178_15580035	NC_021166.1	Ca_kabuli_chr07	15580035	CC	TT	1940403158
SNP_P1_141179_15580193	NC_021166.1	Ca_kabuli_chr07	15580193	TT	CC	1940403160
SNP_P1_141180_15586007	NC_021166.1	Ca_kabuli_chr07	15586007	GG	CC	1940403162
SNP_P1_141181_15590738	NC_021166.1	Ca_kabuli_chr07	15590738	TT	GG	1940403163
SNP_P1_141182_15605893	NC_021166.1	Ca_kabuli_chr07	15605893	TT	AA	1940403165
SNP_P1_141184_15626861	NC_021166.1	Ca_kabuli_chr07	15626861	CC	TT	1940403167
SNP_P1_141185_15627151	NC_021166.1	Ca_kabuli_chr07	15627151	CC	TT	1940403169
SNP_P1_141187_15630275	NC_021166.1	Ca_kabuli_chr07	15630275	CC	TT	1940403171
SNP_P1_141188_15634590	NC_021166.1	Ca_kabuli_chr07	15634590	CC	TT	1940403172
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SNP_P1_141190_15644497	NC_021166.1	Ca_kabuli_chr07	15644497	TT	GG	1940403176
SNP_P1_141191_15644502	NC_021166.1	Ca_kabuli_chr07	15644502	TT	GG	1940403178
SNP_P1_141192_15646034	NC_021166.1	Ca_kabuli_chr07	15646034	TT	GG	1940403179
SNP_P1_141193_15646058	NC_021166.1	Ca_kabuli_chr07	15646058	CC	AA	1940403181
SNP_P1_141194_15646067	NC_021166.1	Ca_kabuli_chr07	15646067	AA	GG	1940403183
SNP_P1_141195_15646092	NC_021166.1	Ca_kabuli_chr07	15646092	CC	TT	1940403185
SNP_P1_141196_15646109	NC_021166.1	Ca_kabuli_chr07	15646109	AA	CC	1940403187
SNP_P1_141197_15646464	NC_021166.1	Ca_kabuli_chr07	15646464	TT	GG	1940403188
SNP_P1_141198_15653308	NC_021166.1	Ca_kabuli_chr07	15653308	GG	CC	1940403190
SNP_P1_141199_15655618	NC_021166.1	Ca_kabuli_chr07	15655618	CC	TT	1940403192
SNP_P1_141202_15676621	NC_021166.1	Ca_kabuli_chr07	15676621	TT	GG	1940403194
SNP_P1_141203_15687987	NC_021166.1	Ca_kabuli_chr07	15687987	AA	CC	1940403196
SNP_P1_141206_15703125	NC_021166.1	Ca_kabuli_chr07	15703125	GG	AA	1940403197
SNP_P1_141207_15709497	NC_021166.1	Ca_kabuli_chr07	15709497	TT	AA	1940403199
SNP_P1_141208_15709771	NC_021166.1	Ca_kabuli_chr07	15709771	GG	AA	1940403201
SNP_P1_141209_15714297	NC_021166.1	Ca_kabuli_chr07	15714297	TT	AA	1940403203

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141211_15721206	NC_021166.1	Ca_kabuli_chr07	15721206	CC	AA	1940403206
SNP_P1_141212_15731152	NC_021166.1	Ca_kabuli_chr07	15731152	GG	CC	1940403208
SNP_P1_141213_15734925	NC_021166.1	Ca_kabuli_chr07	15734925	CC	TT	1940403210
SNP_P1_141214_15734930	NC_021166.1	Ca_kabuli_chr07	15734930	CC	TT	1940403212
SNP_P1_141215_15769131	NC_021166.1	Ca_kabuli_chr07	15769131	GG	AA	1940403213
SNP_P1_141216_15770698	NC_021166.1	Ca_kabuli_chr07	15770698	AA	TT	1940403215
SNP_P1_141217_15770831	NC_021166.1	Ca_kabuli_chr07	15770831	TT	AA	1940403217
SNP_P1_141218_15773299	NC_021166.1	Ca_kabuli_chr07	15773299	CC	TT	1940403219
SNP_P1_141219_15781379	NC_021166.1	Ca_kabuli_chr07	15781379	AA	CC	1940403221
SNP_P1_141221_15782675	NC_021166.1	Ca_kabuli_chr07	15782675	CC	TT	1940403222
SNP_P1_141222_15789884	NC_021166.1	Ca_kabuli_chr07	15789884	GG	AA	1940403224
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SNP_P1_141224_15821503	NC_021166.1	Ca_kabuli_chr07	15821503	TT	CC	1940403228
SNP_P1_141225_15825373	NC_021166.1	Ca_kabuli_chr07	15825373	CC	GG	1940403230
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SNP_P1_141230_15841293	NC_021166.1	Ca_kabuli_chr07	15841293	TT	CC	1940403239
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SNP_P1_141233_15841442	NC_021166.1	Ca_kabuli_chr07	15841442	TT	AA	1940403242
SNP_P1_141234_15853573	NC_021166.1	Ca_kabuli_chr07	15853573	TT	CC	1940403244
SNP_P1_141235_15861841	NC_021166.1	Ca_kabuli_chr07	15861841	GG	AA	1940403246
SNP_P1_141236_15870216	NC_021166.1	Ca_kabuli_chr07	15870216	AA	CC	1940403248
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SNP_P1_141239_15880424	NC_021166.1	Ca_kabuli_chr07	15880424	TT	CC	1940403253
SNP_P1_141240_15891650	NC_021166.1	Ca_kabuli_chr07	15891650	AA	GG	1940403255
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SNP_P1_141242_15896962	NC_021166.1	Ca_kabuli_chr07	15896962	AA	TT	1940403258
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SNP_P1_141244_15899548	NC_021166.1	Ca_kabuli_chr07	15899548	GG	AA	1940403262
SNP_P1_141245_15899760	NC_021166.1	Ca_kabuli_chr07	15899760	TT	CC	1940403264
SNP_P1_141247_15903598	NC_021166.1	Ca_kabuli_chr07	15903598	AA	GG	1940403265
SNP_P1_141248_15903615	NC_021166.1	Ca_kabuli_chr07	15903615	AA	GG	1940403267
SNP_P1_141249_15908062	NC_021166.1	Ca_kabuli_chr07	15908062	GG	AA	1940403269
SNP_P1_141250_15909719	NC_021166.1	Ca_kabuli_chr07	15909719	AA	GG	1940403271
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SNP_P1_141253_15936530	NC_021166.1	Ca_kabuli_chr07	15936530	AA	TT	1940403276
SNP_P1_141254_15936540	NC_021166.1	Ca_kabuli_chr07	15936540	AA	TT	1940403278

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141258_15969794	NC_021166.1	Ca_kabuli_chr07	15969794	TT	CC	1940403283
SNP_P1_141259_15969831	NC_021166.1	Ca_kabuli_chr07	15969831	TT	CC	1940403285
SNP_P1_141260_15969867	NC_021166.1	Ca_kabuli_chr07	15969867	TT	CC	1940403287
SNP_P1_141261_15969929	NC_021166.1	Ca_kabuli_chr07	15969929	CC	TT	1940403289
SNP_P1_141263_15975138	NC_021166.1	Ca_kabuli_chr07	15975138	AA	TT	1940403291
SNP_P1_141264_15975141	NC_021166.1	Ca_kabuli_chr07	15975141	CC	TT	1940403292
SNP_P1_141266_16016677	NC_021166.1	Ca_kabuli_chr07	16016677	GG	AA	1940403294
SNP_P1_141267_16018842	NC_021166.1	Ca_kabuli_chr07	16018842	AA	GG	1940403296
SNP_P1_141268_16026836	NC_021166.1	Ca_kabuli_chr07	16026836	GG	AA	1940403298
SNP_P1_141269_16031376	NC_021166.1	Ca_kabuli_chr07	16031376	AA	GG	1940403299
SNP_P1_141270_16031378	NC_021166.1	Ca_kabuli_chr07	16031378	TT	CC	1940403301
SNP_P1_141271_16077885	NC_021166.1	Ca_kabuli_chr07	16077885	CC	AA	1940403303
SNP_P1_141273_16080874	NC_021166.1	Ca_kabuli_chr07	16080874	GG	TT	1940403305
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SNP_P1_141275_16082044	NC_021166.1	Ca_kabuli_chr07	16082044	AA	GG	1940403308
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SNP_P1_141279_16082243	NC_021166.1	Ca_kabuli_chr07	16082243	AA	GG	1940403316
SNP_P1_141280_16082251	NC_021166.1	Ca_kabuli_chr07	16082251	TT	CC	1940403317
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SNP_P1_141285_16082356	NC_021166.1	Ca_kabuli_chr07	16082356	TT	CC	1940403326
SNP_P1_141286_16082382	NC_021166.1	Ca_kabuli_chr07	16082382	TT	CC	1940403328
SNP_P1_141287_16090694	NC_021166.1	Ca_kabuli_chr07	16090694	CC	AA	1940403330
SNP_P1_141288_16093823	NC_021166.1	Ca_kabuli_chr07	16093823	TT	CC	1940403332
SNP_P1_141289_16099663	NC_021166.1	Ca_kabuli_chr07	16099663	AA	GG	1940403333
SNP_P1_141290_16099668	NC_021166.1	Ca_kabuli_chr07	16099668	TT	CC	1940403335
SNP_P1_141291_16099885	NC_021166.1	Ca_kabuli_chr07	16099885	TT	AA	1940403337
SNP_P1_141292_16099911	NC_021166.1	Ca_kabuli_chr07	16099911	TT	GG	1940403339
SNP_P1_141293_16099931	NC_021166.1	Ca_kabuli_chr07	16099931	CC	TT	1940403341
SNP_P1_141294_16099952	NC_021166.1	Ca_kabuli_chr07	16099952	CC	AA	1940403342
SNP_P1_141295_16099958	NC_021166.1	Ca_kabuli_chr07	16099958	AA	TT	1940403344
SNP_P1_141296_16100022	NC_021166.1	Ca_kabuli_chr07	16100022	AA	CC	1940403346
SNP_P1_141297_16110325	NC_021166.1	Ca_kabuli_chr07	16110325	GG	AA	1940403348
SNP_P1_141299_16122495	NC_021166.1	Ca_kabuli_chr07	16122495	TT	AA	1940403350
SNP_P1_141300_16122802	NC_021166.1	Ca_kabuli_chr07	16122802	TT	AA	1940403351
SNP_P1_141301_16122804	NC_021166.1	Ca_kabuli_chr07	16122804	TT	CC	1940403353

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141305_16162070	NC_021166.1	Ca_kabuli_chr07	16162070	GG	AA	1940403359
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SNP_P1_141307_16185612	NC_021166.1	Ca_kabuli_chr07	16185612	CC	TT	1940403362
SNP_P1_141308_16186768	NC_021166.1	Ca_kabuli_chr07	16186768	TT	CC	1940403364
SNP_P1_141309_16186775	NC_021166.1	Ca_kabuli_chr07	16186775	CC	TT	1940403366
SNP_P1_141311_16204730	NC_021166.1	Ca_kabuli_chr07	16204730	CC	TT	1940403368
SNP_P1_141312_16207849	NC_021166.1	Ca_kabuli_chr07	16207849	TT	CC	1940403369
SNP_P1_141313_16210348	NC_021166.1	Ca_kabuli_chr07	16210348	GG	CC	1940403371
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SNP_P1_141317_16248113	NC_021166.1	Ca_kabuli_chr07	16248113	TT	CC	1940403377
SNP_P1_141318_16252229	NC_021166.1	Ca_kabuli_chr07	16252229	CC	TT	1940403378
SNP_P1_141322_16283311	NC_021166.1	Ca_kabuli_chr07	16283311	AA	GG	1940403380
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SNP_P1_141325_16318107	NC_021166.1	Ca_kabuli_chr07	16318107	TT	AA	1940403384
SNP_P1_141326_16347106	NC_021166.1	Ca_kabuli_chr07	16347106	GG	AA	1940403385
SNP_P1_141329_16364297	NC_021166.1	Ca_kabuli_chr07	16364297	GG	AA	1940403387
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SNP_P1_141333_16375751	NC_021166.1	Ca_kabuli_chr07	16375751	GG	TT	1940403391
SNP_P1_141334_16378225	NC_021166.1	Ca_kabuli_chr07	16378225	TT	AA	1940403393
SNP_P1_141335_16390578	NC_021166.1	Ca_kabuli_chr07	16390578	GG	AA	1940403394
SNP_P1_141337_16406648	NC_021166.1	Ca_kabuli_chr07	16406648	GG	AA	1940403396
SNP_P1_141338_16406662	NC_021166.1	Ca_kabuli_chr07	16406662	AA	GG	1940403398
SNP_P1_141339_16406664	NC_021166.1	Ca_kabuli_chr07	16406664	CC	TT	1940403400
SNP_P1_141340_16406673	NC_021166.1	Ca_kabuli_chr07	16406673	TT	CC	1940403402
SNP_P1_141341_16406680	NC_021166.1	Ca_kabuli_chr07	16406680	AA	CC	1940403403
SNP_P1_141343_16416183	NC_021166.1	Ca_kabuli_chr07	16416183	TT	CC	1940403405
SNP_P1_141344_16416184	NC_021166.1	Ca_kabuli_chr07	16416184	TT	AA	1940403407
SNP_P1_141346_16426893	NC_021166.1	Ca_kabuli_chr07	16426893	GG	TT	1940403409
SNP_P1_141348_16435091	NC_021166.1	Ca_kabuli_chr07	16435091	GG	AA	1940403411
SNP_P1_141349_16440436	NC_021166.1	Ca_kabuli_chr07	16440436	AA	TT	1940403412
SNP_P1_141350_16448483	NC_021166.1	Ca_kabuli_chr07	16448483	TT	CC	1940403414
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SNP_P1_141356_16475465	NC_021166.1	Ca_kabuli_chr07	16475465	AA	GG	1940403423
SNP_P1_141358_16475604	NC_021166.1	Ca_kabuli_chr07	16475604	AA	GG	1940403425
SNP_P1_141359_16475792	NC_021166.1	Ca_kabuli_chr07	16475792	TT	CC	1940403427
SNP_P1_141360_16499883	NC_021166.1	Ca_kabuli_chr07	16499883	CC	TT	1940403429

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141364_16523873	NC_021166.1	Ca_kabuli_chr07	16523873	GG	TT	1940403434
SNP_P1_141365_16523916	NC_021166.1	Ca_kabuli_chr07	16523916	AA	GG	1940403436
SNP_P1_141366_16524080	NC_021166.1	Ca_kabuli_chr07	16524080	CC	TT	1940403438
SNP_P1_141367_16524160	NC_021166.1	Ca_kabuli_chr07	16524160	CC	TT	1940403439
SNP_P1_141368_16524165	NC_021166.1	Ca_kabuli_chr07	16524165	AA	GG	1940403441
SNP_P1_141369_16524254	NC_021166.1	Ca_kabuli_chr07	16524254	GG	TT	1940403443
SNP_P1_141370_16524383	NC_021166.1	Ca_kabuli_chr07	16524383	AA	GG	1940403445
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SNP_P1_141372_16524489	NC_021166.1	Ca_kabuli_chr07	16524489	GG	AA	1940403448
SNP_P1_141373_16543791	NC_021166.1	Ca_kabuli_chr07	16543791	AA	GG	1940403450
SNP_P1_141374_16543826	NC_021166.1	Ca_kabuli_chr07	16543826	GG	AA	1940403452
SNP_P1_141375_16544119	NC_021166.1	Ca_kabuli_chr07	16544119	CC	TT	1940403454
SNP_P1_141376_16544245	NC_021166.1	Ca_kabuli_chr07	16544245	TT	CC	1940403455
SNP_P1_141377_16544264	NC_021166.1	Ca_kabuli_chr07	16544264	GG	AA	1940403457
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SNP_P1_141381_16548696	NC_021166.1	Ca_kabuli_chr07	16548696	GG	AA	1940403463
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SNP_P1_141385_16548780	NC_021166.1	Ca_kabuli_chr07	16548780	AA	GG	1940403470
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SNP_P1_141405_16636516	NC_021166.1	Ca_kabuli_chr07	16636516	CC	AA	1940403503
SNP_P1_141406_16636523	NC_021166.1	Ca_kabuli_chr07	16636523	TT	CC	1940403504

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141411_16652122	NC_021166.1	Ca_kabuli_chr07	16652122	TT	AA	1940403512
SNP_P1_141412_16652445	NC_021166.1	Ca_kabuli_chr07	16652445	TT	CC	1940403514
SNP_P1_141413_16654598	NC_021166.1	Ca_kabuli_chr07	16654598	TT	AA	1940403515
SNP_P1_141414_16655159	NC_021166.1	Ca_kabuli_chr07	16655159	AA	TT	1940403517
SNP_P1_141415_16655489	NC_021166.1	Ca_kabuli_chr07	16655489	TT	CC	1940403519
SNP_P1_141417_16667741	NC_021166.1	Ca_kabuli_chr07	16667741	AA	CC	1940403521
SNP_P1_141418_16697343	NC_021166.1	Ca_kabuli_chr07	16697343	CC	TT	1940403522
SNP_P1_141419_16700006	NC_021166.1	Ca_kabuli_chr07	16700006	TT	CC	1940403524
SNP_P1_141420_16709168	NC_021166.1	Ca_kabuli_chr07	16709168	GG	AA	1940403526
SNP_P1_141422_16718654	NC_021166.1	Ca_kabuli_chr07	16718654	GG	AA	1940403528
SNP_P1_141423_16727927	NC_021166.1	Ca_kabuli_chr07	16727927	GG	AA	1940403529
SNP_P1_141424_16743456	NC_021166.1	Ca_kabuli_chr07	16743456	CC	TT	1940403531
SNP_P1_141425_16753114	NC_021166.1	Ca_kabuli_chr07	16753114	TT	CC	1940403533
SNP_P1_141426_16753130	NC_021166.1	Ca_kabuli_chr07	16753130	AA	GG	1940403535
SNP_P1_141427_16753132	NC_021166.1	Ca_kabuli_chr07	16753132	TT	CC	1940403537
SNP_P1_141428_16780287	NC_021166.1	Ca_kabuli_chr07	16780287	CC	TT	1940403539
SNP_P1_141429_16830530	NC_021166.1	Ca_kabuli_chr07	16830530	AA	GG	1940403540
SNP_P1_141430_16871246	NC_021166.1	Ca_kabuli_chr07	16871246	GG	CC	1940403542
SNP_P1_141431_16879767	NC_021166.1	Ca_kabuli_chr07	16879767	CC	TT	1940403544
SNP_P1_141432_16895464	NC_021166.1	Ca_kabuli_chr07	16895464	CC	TT	1940403546
SNP_P1_141433_16895522	NC_021166.1	Ca_kabuli_chr07	16895522	TT	CC	1940403547
SNP_P1_141434_16895523	NC_021166.1	Ca_kabuli_chr07	16895523	AA	GG	1940403549
SNP_P1_141435_16895528	NC_021166.1	Ca_kabuli_chr07	16895528	GG	CC	1940403551
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SNP_P1_141438_16895961	NC_021166.1	Ca_kabuli_chr07	16895961	AA	GG	1940403556
SNP_P1_141439_16917607	NC_021166.1	Ca_kabuli_chr07	16917607	AA	CC	1940403558
SNP_P1_141440_16923437	NC_021166.1	Ca_kabuli_chr07	16923437	TT	AA	1940403559
SNP_P1_141441_16924991	NC_021166.1	Ca_kabuli_chr07	16924991	CC	TT	1940403561
SNP_P1_141442_16932146	NC_021166.1	Ca_kabuli_chr07	16932146	GG	TT	1940403562
SNP_P1_141443_16939881	NC_021166.1	Ca_kabuli_chr07	16939881	GG	AA	1940403564
SNP_P1_141445_16941733	NC_021166.1	Ca_kabuli_chr07	16941733	AA	GG	1940403566
SNP_P1_141446_16941742	NC_021166.1	Ca_kabuli_chr07	16941742	TT	GG	1940403568
SNP_P1_141447_16941767	NC_021166.1	Ca_kabuli_chr07	16941767	AA	CC	1940403570
SNP_P1_141448_16941842	NC_021166.1	Ca_kabuli_chr07	16941842	AA	GG	1940403571
SNP_P1_141449_16941873	NC_021166.1	Ca_kabuli_chr07	16941873	AA	CC	1940403573
SNP_P1_141450_16942040	NC_021166.1	Ca_kabuli_chr07	16942040	CC	TT	1940403575
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SNP_P1_141452_16949707	NC_021166.1	Ca_kabuli_chr07	16949707	TT	CC	1940403579

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141455_16954727	NC_021166.1	Ca_kabuli_chr07	16954727	TT	CC	1940403584
SNP_P1_141456_16972812	NC_021166.1	Ca_kabuli_chr07	16972812	TT	CC	1940403586
SNP_P1_141457_16975014	NC_021166.1	Ca_kabuli_chr07	16975014	CC	AA	1940403587
SNP_P1_141458_16988923	NC_021166.1	Ca_kabuli_chr07	16988923	CC	TT	1940403589
SNP_P1_141459_16994093	NC_021166.1	Ca_kabuli_chr07	16994093	CC	GG	1940403591
SNP_P1_141460_17003409	NC_021166.1	Ca_kabuli_chr07	17003409	AA	GG	1940403593
SNP_P1_141461_17003412	NC_021166.1	Ca_kabuli_chr07	17003412	TT	GG	1940403595
SNP_P1_141462_17006032	NC_021166.1	Ca_kabuli_chr07	17006032	AA	GG	1940403596
SNP_P1_141463_17007001	NC_021166.1	Ca_kabuli_chr07	17007001	CC	TT	1940403598
SNP_P1_141464_17017208	NC_021166.1	Ca_kabuli_chr07	17017208	GG	AA	1940403600
SNP_P1_141465_17026207	NC_021166.1	Ca_kabuli_chr07	17026207	AA	GG	1940403602
SNP_P1_141466_17028465	NC_021166.1	Ca_kabuli_chr07	17028465	TT	CC	1940403604
SNP_P1_141467_17040512	NC_021166.1	Ca_kabuli_chr07	17040512	GG	AA	1940403605
SNP_P1_141468_17045528	NC_021166.1	Ca_kabuli_chr07	17045528	CC	TT	1940403607
SNP_P1_141470_17093206	NC_021166.1	Ca_kabuli_chr07	17093206	AA	GG	1940403609
SNP_P1_141472_17097814	NC_021166.1	Ca_kabuli_chr07	17097814	GG	TT	1940403611
SNP_P1_141473_17114170	NC_021166.1	Ca_kabuli_chr07	17114170	TT	GG	1940403613
SNP_P1_141474_17114203	NC_021166.1	Ca_kabuli_chr07	17114203	TT	AA	1940403614
SNP_P1_141475_17117805	NC_021166.1	Ca_kabuli_chr07	17117805	GG	AA	1940403616
SNP_P1_141476_17130341	NC_021166.1	Ca_kabuli_chr07	17130341	CC	TT	1940403618
SNP_P1_141477_17133012	NC_021166.1	Ca_kabuli_chr07	17133012	AA	TT	1940403620
SNP_P1_141479_17138794	NC_021166.1	Ca_kabuli_chr07	17138794	CC	TT	1940403622
SNP_P1_141480_17138807	NC_021166.1	Ca_kabuli_chr07	17138807	TT	CC	1940403623
SNP_P1_141483_17142663	NC_021166.1	Ca_kabuli_chr07	17142663	AA	TT	1940403625
SNP_P1_141484_17150804	NC_021166.1	Ca_kabuli_chr07	17150804	TT	CC	1940403627
SNP_P1_141486_17173582	NC_021166.1	Ca_kabuli_chr07	17173582	GG	AA	1940403629
SNP_P1_141487_17186870	NC_021166.1	Ca_kabuli_chr07	17186870	CC	TT	1940403630
SNP_P1_141488_17202494	NC_021166.1	Ca_kabuli_chr07	17202494	TT	CC	1940403632
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SNP_P1_141490_17203647	NC_021166.1	Ca_kabuli_chr07	17203647	AA	CC	1940403636
SNP_P1_141491_17203774	NC_021166.1	Ca_kabuli_chr07	17203774	GG	CC	1940403638
SNP_P1_141492_17207120	NC_021166.1	Ca_kabuli_chr07	17207120	CC	AA	1940403639
SNP_P1_141493_17207154	NC_021166.1	Ca_kabuli_chr07	17207154	TT	CC	1940403641
SNP_P1_141494_17207232	NC_021166.1	Ca_kabuli_chr07	17207232	TT	GG	1940403643
SNP_P1_141495_17207258	NC_021166.1	Ca_kabuli_chr07	17207258	TT	GG	1940403645
SNP_P1_141496_17207268	NC_021166.1	Ca_kabuli_chr07	17207268	AA	GG	1940403647
SNP_P1_141497_17207279	NC_021166.1	Ca_kabuli_chr07	17207279	CC	GG	1940403648
SNP_P1_141498_17207287	NC_021166.1	Ca_kabuli_chr07	17207287	TT	CC	1940403650
SNP_P1_141499_17207384	NC_021166.1	Ca_kabuli_chr07	17207384	GG	AA	1940403652
SNP_P1_141500_17207466	NC_021166.1	Ca_kabuli_chr07	17207466	CC	TT	1940403654

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141502_17214265	NC_021166.1	Ca_kabuli_chr07	17214265	CC	TT	1940403657
SNP_P1_141503_17216643	NC_021166.1	Ca_kabuli_chr07	17216643	AA	TT	1940403659
SNP_P1_141504_17218240	NC_021166.1	Ca_kabuli_chr07	17218240	TT	CC	1940403661
SNP_P1_141505_17219458	NC_021166.1	Ca_kabuli_chr07	17219458	TT	AA	1940403663
SNP_P1_141506_17219460	NC_021166.1	Ca_kabuli_chr07	17219460	TT	AA	1940403665
SNP_P1_141507_17219468	NC_021166.1	Ca_kabuli_chr07	17219468	TT	CC	1940403666
SNP_P1_141509_17244927	NC_021166.1	Ca_kabuli_chr07	17244927	CC	AA	1940403668
SNP_P1_141510_17254257	NC_021166.1	Ca_kabuli_chr07	17254257	AA	GG	1940403670
SNP_P1_141511_17269256	NC_021166.1	Ca_kabuli_chr07	17269256	TT	CC	1940403672
SNP_P1_141512_17269265	NC_021166.1	Ca_kabuli_chr07	17269265	CC	TT	1940403674
SNP_P1_141513_17269528	NC_021166.1	Ca_kabuli_chr07	17269528	GG	AA	1940403675
SNP_P1_141514_17270508	NC_021166.1	Ca_kabuli_chr07	17270508	TT	AA	1940403677
SNP_P1_141515_17275403	NC_021166.1	Ca_kabuli_chr07	17275403	GG	AA	1940403679
SNP_P1_141517_17282938	NC_021166.1	Ca_kabuli_chr07	17282938	GG	AA	1940403681
SNP_P1_141518_17285609	NC_021166.1	Ca_kabuli_chr07	17285609	CC	AA	1940403682
SNP_P1_141519_17297379	NC_021166.1	Ca_kabuli_chr07	17297379	GG	AA	1940403684
SNP_P1_141520_17329030	NC_021166.1	Ca_kabuli_chr07	17329030	AA	TT	1940403686
SNP_P1_141521_17333138	NC_021166.1	Ca_kabuli_chr07	17333138	CC	TT	1940403688
SNP_P1_141522_17338719	NC_021166.1	Ca_kabuli_chr07	17338719	AA	CC	1940403690
SNP_P1_141523_17344436	NC_021166.1	Ca_kabuli_chr07	17344436	GG	AA	1940403691
SNP_P1_141524_17357768	NC_021166.1	Ca_kabuli_chr07	17357768	GG	AA	1940403693
SNP_P1_141526_17372032	NC_021166.1	Ca_kabuli_chr07	17372032	CC	AA	1940403695
SNP_P1_141527_17372125	NC_021166.1	Ca_kabuli_chr07	17372125	TT	AA	1940403697
SNP_P1_141528_17372144	NC_021166.1	Ca_kabuli_chr07	17372144	GG	AA	1940403699
SNP_P1_141529_17372147	NC_021166.1	Ca_kabuli_chr07	17372147	TT	CC	1940403700
SNP_P1_141530_17374519	NC_021166.1	Ca_kabuli_chr07	17374519	CC	TT	1940403702
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SNP_P1_141536_17379370	NC_021166.1	Ca_kabuli_chr07	17379370	TT	CC	1940403709
SNP_P1_141537_17385377	NC_021166.1	Ca_kabuli_chr07	17385377	AA	TT	1940403711
SNP_P1_141538_17388615	NC_021166.1	Ca_kabuli_chr07	17388615	AA	GG	1940403713
SNP_P1_141539_17392400	NC_021166.1	Ca_kabuli_chr07	17392400	AA	TT	1940403715
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SNP_P1_141541_17395746	NC_021166.1	Ca_kabuli_chr07	17395746	CC	TT	1940403718
SNP_P1_141542_17410738	NC_021166.1	Ca_kabuli_chr07	17410738	AA	CC	1940403720
SNP_P1_141543_17418411	NC_021166.1	Ca_kabuli_chr07	17418411	CC	TT	1940403722
SNP_P1_141544_17434430	NC_021166.1	Ca_kabuli_chr07	17434430	GG	AA	1940403724
SNP_P1_141545_17445150	NC_021166.1	Ca_kabuli_chr07	17445150	TT	AA	1940403725
SNP_P1_141546_17451461	NC_021166.1	Ca_kabuli_chr07	17451461	GG	AA	1940403727
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141549_17452400	NC_021166.1	Ca_kabuli_chr07	17452400	CC	TT	1940403733
SNP_P1_141550_17454712	NC_021166.1	Ca_kabuli_chr07	17454712	AA	GG	1940403734
SNP_P1_141551_17460328	NC_021166.1	Ca_kabuli_chr07	17460328	CC	AA	1940403736
SNP_P1_141552_17472970	NC_021166.1	Ca_kabuli_chr07	17472970	AA	GG	1940403738
SNP_P1_141553_17473180	NC_021166.1	Ca_kabuli_chr07	17473180	TT	GG	1940403740
SNP_P1_141554_17486216	NC_021166.1	Ca_kabuli_chr07	17486216	TT	CC	1940403742
SNP_P1_141555_17495995	NC_021166.1	Ca_kabuli_chr07	17495995	GG	AA	1940403743
SNP_P1_141556_17504847	NC_021166.1	Ca_kabuli_chr07	17504847	GG	AA	1940403745
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SNP_P1_141558_17508081	NC_021166.1	Ca_kabuli_chr07	17508081	TT	CC	1940403749
SNP_P1_141559_17528087	NC_021166.1	Ca_kabuli_chr07	17528087	GG	AA	1940403751
SNP_P1_141560_17528218	NC_021166.1	Ca_kabuli_chr07	17528218	TT	CC	1940403752
SNP_P1_141562_17622889	NC_021166.1	Ca_kabuli_chr07	17622889	GG	AA	1940403754
SNP_P1_141564_17652502	NC_021166.1	Ca_kabuli_chr07	17652502	GG	AA	1940403756
SNP_P1_141565_17662755	NC_021166.1	Ca_kabuli_chr07	17662755	TT	GG	1940403758
SNP_P1_141566_17732013	NC_021166.1	Ca_kabuli_chr07	17732013	GG	AA	1940403760
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SNP_P1_141570_17799646	NC_021166.1	Ca_kabuli_chr07	17799646	AA	TT	1940403767
SNP_P1_141571_17806035	NC_021166.1	Ca_kabuli_chr07	17806035	AA	TT	1940403768
SNP_P1_141572_17806049	NC_021166.1	Ca_kabuli_chr07	17806049	TT	GG	1940403770
SNP_P1_141573_17812989	NC_021166.1	Ca_kabuli_chr07	17812989	AA	TT	1940403772
SNP_P1_141574_17816919	NC_021166.1	Ca_kabuli_chr07	17816919	CC	AA	1940403774
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SNP_P1_141579_17832997	NC_021166.1	Ca_kabuli_chr07	17832997	AA	GG	1940403783
SNP_P1_141580_17833079	NC_021166.1	Ca_kabuli_chr07	17833079	AA	GG	1940403785
SNP_P1_141581_17833283	NC_021166.1	Ca_kabuli_chr07	17833283	AA	CC	1940403787
SNP_P1_141582_17833284	NC_021166.1	Ca_kabuli_chr07	17833284	AA	GG	1940403788
SNP_P1_141583_17833285	NC_021166.1	Ca_kabuli_chr07	17833285	CC	TT	1940403790
SNP_P1_141584_17833304	NC_021166.1	Ca_kabuli_chr07	17833304	GG	AA	1940403792
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SNP_P1_141587_17858807	NC_021166.1	Ca_kabuli_chr07	17858807	GG	AA	1940403796
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SNP_P1_141589_17866517	NC_021166.1	Ca_kabuli_chr07	17866517	TT	CC	1940403799
SNP_P1_141591_17869145	NC_021166.1	Ca_kabuli_chr07	17869145	CC	TT	1940403801
SNP_P1_141592_17869189	NC_021166.1	Ca_kabuli_chr07	17869189	TT	CC	1940403803
SNP_P1_141593_17869299	NC_021166.1	Ca_kabuli_chr07	17869299	TT	CC	1940403805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141597_17874951	NC_021166.1	Ca_kabuli_chr07	17874951	GG	TT	1940403810
SNP_P1_141598_17874959	NC_021166.1	Ca_kabuli_chr07	17874959	CC	GG	1940403812
SNP_P1_141599_17875009	NC_021166.1	Ca_kabuli_chr07	17875009	TT	CC	1940403814
SNP_P1_141600_17875325	NC_021166.1	Ca_kabuli_chr07	17875325	AA	GG	1940403815
SNP_P1_141601_17875331	NC_021166.1	Ca_kabuli_chr07	17875331	AA	GG	1940403817
SNP_P1_141602_17879955	NC_021166.1	Ca_kabuli_chr07	17879955	AA	TT	1940403819
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SNP_P1_141604_17880187	NC_021166.1	Ca_kabuli_chr07	17880187	CC	TT	1940403822
SNP_P1_141605_17880210	NC_021166.1	Ca_kabuli_chr07	17880210	GG	TT	1940403824
SNP_P1_141606_17880234	NC_021166.1	Ca_kabuli_chr07	17880234	TT	CC	1940403826
SNP_P1_141607_17880237	NC_021166.1	Ca_kabuli_chr07	17880237	GG	AA	1940403828
SNP_P1_141608_17893528	NC_021166.1	Ca_kabuli_chr07	17893528	GG	AA	1940403830
SNP_P1_141609_17897724	NC_021166.1	Ca_kabuli_chr07	17897724	TT	CC	1940403831
SNP_P1_141610_17897790	NC_021166.1	Ca_kabuli_chr07	17897790	TT	AA	1940403833
SNP_P1_141611_17898460	NC_021166.1	Ca_kabuli_chr07	17898460	AA	CC	1940403835
SNP_P1_141612_17898504	NC_021166.1	Ca_kabuli_chr07	17898504	CC	AA	1940403837
SNP_P1_141613_17898506	NC_021166.1	Ca_kabuli_chr07	17898506	TT	CC	1940403839
SNP_P1_141614_17902038	NC_021166.1	Ca_kabuli_chr07	17902038	AA	GG	1940403840
SNP_P1_141615_17902047	NC_021166.1	Ca_kabuli_chr07	17902047	GG	TT	1940403842
SNP_P1_141616_17902057	NC_021166.1	Ca_kabuli_chr07	17902057	GG	AA	1940403844
SNP_P1_141617_17902084	NC_021166.1	Ca_kabuli_chr07	17902084	AA	CC	1940403846
SNP_P1_141618_17902126	NC_021166.1	Ca_kabuli_chr07	17902126	GG	AA	1940403848
SNP_P1_141619_17902165	NC_021166.1	Ca_kabuli_chr07	17902165	TT	AA	1940403849
SNP_P1_141620_17922175	NC_021166.1	Ca_kabuli_chr07	17922175	CC	TT	1940403851
SNP_P1_141621_17922195	NC_021166.1	Ca_kabuli_chr07	17922195	AA	CC	1940403853
SNP_P1_141622_17922296	NC_021166.1	Ca_kabuli_chr07	17922296	AA	GG	1940403855
SNP_P1_141625_17923128	NC_021166.1	Ca_kabuli_chr07	17923128	GG	AA	1940403857
SNP_P1_141626_17923132	NC_021166.1	Ca_kabuli_chr07	17923132	GG	CC	1940403858
SNP_P1_141627_17923585	NC_021166.1	Ca_kabuli_chr07	17923585	GG	CC	1940403860
SNP_P1_141628_17933374	NC_021166.1	Ca_kabuli_chr07	17933374	AA	GG	1940403862
SNP_P1_141629_17933579	NC_021166.1	Ca_kabuli_chr07	17933579	CC	GG	1940403864
SNP_P1_141631_17983808	NC_021166.1	Ca_kabuli_chr07	17983808	GG	AA	1940403865
SNP_P1_141632_17987221	NC_021166.1	Ca_kabuli_chr07	17987221	TT	AA	1940403867
SNP_P1_141633_17988186	NC_021166.1	Ca_kabuli_chr07	17988186	TT	CC	1940403869
SNP_P1_141634_17988239	NC_021166.1	Ca_kabuli_chr07	17988239	AA	CC	1940403871
SNP_P1_141635_17997471	NC_021166.1	Ca_kabuli_chr07	17997471	GG	AA	1940403873
SNP_P1_141636_17998674	NC_021166.1	Ca_kabuli_chr07	17998674	TT	CC	1940403874
SNP_P1_141637_18001389	NC_021166.1	Ca_kabuli_chr07	18001389	TT	AA	1940403876
SNP_P1_141638_18001571	NC_021166.1	Ca_kabuli_chr07	18001571	GG	AA	1940403878
SNP_P1_141639_18001575	NC_021166.1	Ca_kabuli_chr07	18001575	GG	CC	1940403880

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141641_18001605	NC_021166.1	Ca_kabuli_chr07	18001605	AA	TT	1940403883
SNP_P1_141642_18001640	NC_021166.1	Ca_kabuli_chr07	18001640	CC	AA	1940403885
SNP_P1_141643_18006042	NC_021166.1	Ca_kabuli_chr07	18006042	TT	GG	1940403887
SNP_P1_141644_18006058	NC_021166.1	Ca_kabuli_chr07	18006058	GG	CC	1940403889
SNP_P1_141645_18006821	NC_021166.1	Ca_kabuli_chr07	18006821	AA	TT	1940403891
SNP_P1_141646_18007004	NC_021166.1	Ca_kabuli_chr07	18007004	AA	TT	1940403892
SNP_P1_141647_18007184	NC_021166.1	Ca_kabuli_chr07	18007184	GG	TT	1940403894
SNP_P1_141648_18007302	NC_021166.1	Ca_kabuli_chr07	18007302	AA	GG	1940403896
SNP_P1_141649_18007376	NC_021166.1	Ca_kabuli_chr07	18007376	CC	TT	1940403898
SNP_P1_141650_18007387	NC_021166.1	Ca_kabuli_chr07	18007387	GG	TT	1940403899
SNP_P1_141651_18007408	NC_021166.1	Ca_kabuli_chr07	18007408	TT	CC	1940403901
SNP_P1_141652_18007447	NC_021166.1	Ca_kabuli_chr07	18007447	AA	TT	1940403903
SNP_P1_141653_18007484	NC_021166.1	Ca_kabuli_chr07	18007484	AA	GG	1940403905
SNP_P1_141654_18007509	NC_021166.1	Ca_kabuli_chr07	18007509	GG	AA	1940403907
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SNP_P1_141661_18007898	NC_021166.1	Ca_kabuli_chr07	18007898	CC	TT	1940403916
SNP_P1_141662_18007900	NC_021166.1	Ca_kabuli_chr07	18007900	AA	GG	1940403917
SNP_P1_141664_18007952	NC_021166.1	Ca_kabuli_chr07	18007952	GG	TT	1940403919
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SNP_P1_141666_18024864	NC_021166.1	Ca_kabuli_chr07	18024864	AA	CC	1940403923
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SNP_P1_141668_18038540	NC_021166.1	Ca_kabuli_chr07	18038540	GG	TT	1940403926
SNP_P1_141669_18038548	NC_021166.1	Ca_kabuli_chr07	18038548	AA	GG	1940403928
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SNP_P1_141671_18042169	NC_021166.1	Ca_kabuli_chr07	18042169	GG	AA	1940403932
SNP_P1_141672_18049476	NC_021166.1	Ca_kabuli_chr07	18049476	GG	AA	1940403934
SNP_P1_141673_18050036	NC_021166.1	Ca_kabuli_chr07	18050036	CC	TT	1940403935
SNP_P1_141674_18054078	NC_021166.1	Ca_kabuli_chr07	18054078	CC	TT	1940403937
SNP_P1_141676_18059194	NC_021166.1	Ca_kabuli_chr07	18059194	GG	TT	1940403939
SNP_P1_141677_18060767	NC_021166.1	Ca_kabuli_chr07	18060767	TT	AA	1940403941
SNP_P1_141678_18062188	NC_021166.1	Ca_kabuli_chr07	18062188	TT	AA	1940403942
SNP_P1_141679_18063504	NC_021166.1	Ca_kabuli_chr07	18063504	GG	AA	1940403944
SNP_P1_141680_18070984	NC_021166.1	Ca_kabuli_chr07	18070984	TT	GG	1940403946
SNP_P1_141681_18070993	NC_021166.1	Ca_kabuli_chr07	18070993	AA	TT	1940403948
SNP_P1_141682_18070997	NC_021166.1	Ca_kabuli_chr07	18070997	GG	TT	1940403950
SNP_P1_141683_18071005	NC_021166.1	Ca_kabuli_chr07	18071005	GG	TT	1940403951
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SNP_P1_141685_18071036	NC_021166.1	Ca_kabuli_chr07	18071036	TT	AA	1940403955

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141687_18071121	NC_021166.1	Ca_kabuli_chr07	18071121	TT	GG	1940403959
SNP_P1_141688_18071159	NC_021166.1	Ca_kabuli_chr07	18071159	AA	TT	1940403960
SNP_P1_141689_18071165	NC_021166.1	Ca_kabuli_chr07	18071165	GG	CC	1940403962
SNP_P1_141690_18071188	NC_021166.1	Ca_kabuli_chr07	18071188	TT	CC	1940403964
SNP_P1_141691_18071197	NC_021166.1	Ca_kabuli_chr07	18071197	TT	CC	1940403966
SNP_P1_141692_18071204	NC_021166.1	Ca_kabuli_chr07	18071204	AA	TT	1940403968
SNP_P1_141693_18071216	NC_021166.1	Ca_kabuli_chr07	18071216	AA	TT	1940403969
SNP_P1_141694_18071401	NC_021166.1	Ca_kabuli_chr07	18071401	CC	AA	1940403971
SNP_P1_141695_18084750	NC_021166.1	Ca_kabuli_chr07	18084750	CC	TT	1940403973
SNP_P1_141696_18088218	NC_021166.1	Ca_kabuli_chr07	18088218	TT	AA	1940403975
SNP_P1_141697_18106827	NC_021166.1	Ca_kabuli_chr07	18106827	CC	AA	1940403976
SNP_P1_141698_18107201	NC_021166.1	Ca_kabuli_chr07	18107201	CC	TT	1940403978
SNP_P1_141699_18111397	NC_021166.1	Ca_kabuli_chr07	18111397	GG	AA	1940403980
SNP_P1_141701_18122812	NC_021166.1	Ca_kabuli_chr07	18122812	CC	TT	1940403982
SNP_P1_141702_18125290	NC_021166.1	Ca_kabuli_chr07	18125290	AA	TT	1940403984
SNP_P1_141703_18125921	NC_021166.1	Ca_kabuli_chr07	18125921	CC	TT	1940403985
SNP_P1_141704_18136937	NC_021166.1	Ca_kabuli_chr07	18136937	CC	TT	1940403987
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SNP_P1_141706_18136954	NC_021166.1	Ca_kabuli_chr07	18136954	TT	CC	1940403991
SNP_P1_141707_18151654	NC_021166.1	Ca_kabuli_chr07	18151654	AA	GG	1940403993
SNP_P1_141709_18153398	NC_021166.1	Ca_kabuli_chr07	18153398	AA	TT	1940403994
SNP_P1_141711_18164629	NC_021166.1	Ca_kabuli_chr07	18164629	AA	CC	1940403996
SNP_P1_141712_18164634	NC_021166.1	Ca_kabuli_chr07	18164634	GG	AA	1940403998
SNP_P1_141713_18168356	NC_021166.1	Ca_kabuli_chr07	18168356	GG	CC	1940404000
SNP_P1_141714_18187305	NC_021166.1	Ca_kabuli_chr07	18187305	TT	AA	1940404002
SNP_P1_141715_18188107	NC_021166.1	Ca_kabuli_chr07	18188107	TT	AA	1940404003
SNP_P1_141716_18188116	NC_021166.1	Ca_kabuli_chr07	18188116	AA	CC	1940404005
SNP_P1_141717_18188208	NC_021166.1	Ca_kabuli_chr07	18188208	GG	AA	1940404007
SNP_P1_141718_18188233	NC_021166.1	Ca_kabuli_chr07	18188233	GG	AA	1940404009
SNP_P1_141719_18188377	NC_021166.1	Ca_kabuli_chr07	18188377	GG	AA	1940404011
SNP_P1_141720_18188451	NC_021166.1	Ca_kabuli_chr07	18188451	AA	CC	1940404012
SNP_P1_141721_18188649	NC_021166.1	Ca_kabuli_chr07	18188649	CC	TT	1940404014
SNP_P1_141723_18198923	NC_021166.1	Ca_kabuli_chr07	18198923	GG	AA	1940404016
SNP_P1_141724_18198990	NC_021166.1	Ca_kabuli_chr07	18198990	GG	AA	1940404018
SNP_P1_141725_18198998	NC_021166.1	Ca_kabuli_chr07	18198998	GG	TT	1940404019
SNP_P1_141726_18199007	NC_021166.1	Ca_kabuli_chr07	18199007	GG	TT	1940404021
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SNP_P1_141728_18199084	NC_021166.1	Ca_kabuli_chr07	18199084	TT	CC	1940404025
SNP_P1_141729_18199086	NC_021166.1	Ca_kabuli_chr07	18199086	AA	TT	1940404027
SNP_P1_141730_18199523	NC_021166.1	Ca_kabuli_chr07	18199523	GG	AA	1940404028
SNP_P1_141731_18199524	NC_021166.1	Ca_kabuli_chr07	18199524	TT	GG	1940404030

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141733_18199549	NC_021166.1	Ca_kabuli_chr07	18199549	AA	GG	1940404034
SNP_P1_141734_18199566	NC_021166.1	Ca_kabuli_chr07	18199566	TT	AA	1940404036
SNP_P1_141735_18201242	NC_021166.1	Ca_kabuli_chr07	18201242	AA	TT	1940404037
SNP_P1_141736_18211303	NC_021166.1	Ca_kabuli_chr07	18211303	GG	AA	1940404039
SNP_P1_141737_18213728	NC_021166.1	Ca_kabuli_chr07	18213728	GG	AA	1940404041
SNP_P1_141738_18213872	NC_021166.1	Ca_kabuli_chr07	18213872	AA	GG	1940404043
SNP_P1_141739_18221029	NC_021166.1	Ca_kabuli_chr07	18221029	AA	GG	1940404045
SNP_P1_141740_18221628	NC_021166.1	Ca_kabuli_chr07	18221628	GG	AA	1940404046
SNP_P1_141741_18231042	NC_021166.1	Ca_kabuli_chr07	18231042	TT	GG	1940404048
SNP_P1_141743_18235004	NC_021166.1	Ca_kabuli_chr07	18235004	AA	GG	1940404050
SNP_P1_141744_18245968	NC_021166.1	Ca_kabuli_chr07	18245968	CC	TT	1940404052
SNP_P1_141745_18274571	NC_021166.1	Ca_kabuli_chr07	18274571	GG	CC	1940404053
SNP_P1_141747_18308118	NC_021166.1	Ca_kabuli_chr07	18308118	GG	AA	1940404055
SNP_P1_141748_18308123	NC_021166.1	Ca_kabuli_chr07	18308123	AA	TT	1940404057
SNP_P1_141749_18308174	NC_021166.1	Ca_kabuli_chr07	18308174	AA	GG	1940404059
SNP_P1_141750_18308196	NC_021166.1	Ca_kabuli_chr07	18308196	TT	CC	1940404061
SNP_P1_141751_18308363	NC_021166.1	Ca_kabuli_chr07	18308363	AA	GG	1940404062
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SNP_P1_141768_18337008	NC_021166.1	Ca_kabuli_chr07	18337008	AA	TT	1940404089
SNP_P1_141769_18339349	NC_021166.1	Ca_kabuli_chr07	18339349	GG	CC	1940404091
SNP_P1_141770_18343950	NC_021166.1	Ca_kabuli_chr07	18343950	CC	TT	1940404093
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SNP_P1_141774_18360610	NC_021166.1	Ca_kabuli_chr07	18360610	CC	TT	1940404096
SNP_P1_141775_18361956	NC_021166.1	Ca_kabuli_chr07	18361956	TT	CC	1940404098
SNP_P1_141776_18362021	NC_021166.1	Ca_kabuli_chr07	18362021	TT	GG	1940404100
SNP_P1_141777_18362444	NC_021166.1	Ca_kabuli_chr07	18362444	TT	CC	1940404102
SNP_P1_141778_18362477	NC_021166.1	Ca_kabuli_chr07	18362477	AA	GG	1940404104
SNP_P1_141779_18362523	NC_021166.1	Ca_kabuli_chr07	18362523	TT	AA	1940404105

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141782_18363240	NC_021166.1	Ca_kabuli_chr07	18363240	AA	GG	1940404111
SNP_P1_141783_18363569	NC_021166.1	Ca_kabuli_chr07	18363569	TT	CC	1940404113
SNP_P1_141784_18363622	NC_021166.1	Ca_kabuli_chr07	18363622	AA	GG	1940404114
SNP_P1_141785_18387239	NC_021166.1	Ca_kabuli_chr07	18387239	CC	AA	1940404116
SNP_P1_141786_18403508	NC_021166.1	Ca_kabuli_chr07	18403508	TT	CC	1940404118
SNP_P1_141787_18409471	NC_021166.1	Ca_kabuli_chr07	18409471	TT	CC	1940404120
SNP_P1_141788_18409488	NC_021166.1	Ca_kabuli_chr07	18409488	AA	GG	1940404122
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SNP_P1_141795_18415744	NC_021166.1	Ca_kabuli_chr07	18415744	CC	TT	1940404134
SNP_P1_141796_18416245	NC_021166.1	Ca_kabuli_chr07	18416245	TT	CC	1940404136
SNP_P1_141797_18416259	NC_021166.1	Ca_kabuli_chr07	18416259	AA	GG	1940404138
SNP_P1_141799_18418253	NC_021166.1	Ca_kabuli_chr07	18418253	AA	GG	1940404139
SNP_P1_141800_18421669	NC_021166.1	Ca_kabuli_chr07	18421669	TT	CC	1940404141
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SNP_P1_141803_18437903	NC_021166.1	Ca_kabuli_chr07	18437903	AA	GG	1940404147
SNP_P1_141804_18444207	NC_021166.1	Ca_kabuli_chr07	18444207	CC	AA	1940404148
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SNP_P1_141808_18444261	NC_021166.1	Ca_kabuli_chr07	18444261	CC	TT	1940404156
SNP_P1_141809_18454931	NC_021166.1	Ca_kabuli_chr07	18454931	AA	GG	1940404157
SNP_P1_141810_18456249	NC_021166.1	Ca_kabuli_chr07	18456249	TT	GG	1940404159
SNP_P1_141811_18459289	NC_021166.1	Ca_kabuli_chr07	18459289	TT	GG	1940404161
SNP_P1_141812_18462115	NC_021166.1	Ca_kabuli_chr07	18462115	GG	CC	1940404163
SNP_P1_141813_18484281	NC_021166.1	Ca_kabuli_chr07	18484281	AA	CC	1940404165
SNP_P1_141814_18498504	NC_021166.1	Ca_kabuli_chr07	18498504	TT	CC	1940404166
SNP_P1_141815_18519252	NC_021166.1	Ca_kabuli_chr07	18519252	TT	AA	1940404168
SNP_P1_141816_18526136	NC_021166.1	Ca_kabuli_chr07	18526136	AA	TT	1940404170
SNP_P1_141817_18538039	NC_021166.1	Ca_kabuli_chr07	18538039	CC	TT	1940404172
SNP_P1_141818_18539501	NC_021166.1	Ca_kabuli_chr07	18539501	CC	TT	1940404174
SNP_P1_141819_18539507	NC_021166.1	Ca_kabuli_chr07	18539507	CC	TT	1940404175
SNP_P1_141820_18539567	NC_021166.1	Ca_kabuli_chr07	18539567	CC	TT	1940404177
SNP_P1_141821_18539573	NC_021166.1	Ca_kabuli_chr07	18539573	CC	TT	1940404179
SNP_P1_141822_18539621	NC_021166.1	Ca_kabuli_chr07	18539621	AA	GG	1940404181

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_141823_18539674	NC_021166.1	Ca_kabuli_chr07	18539674	GG	TT	1940404183
SNP_P1_141824_18539689	NC_021166.1	Ca_kabuli_chr07	18539689	AA	GG	1940404184
SNP_P1_141825_18539886	NC_021166.1	Ca_kabuli_chr07	18539886	TT	CC	1940404186
SNP_P1_141826_18539948	NC_021166.1	Ca_kabuli_chr07	18539948	CC	AA	1940404188
SNP_P1_141827_18539960	NC_021166.1	Ca_kabuli_chr07	18539960	AA	GG	1940404190
SNP_P1_141828_18541728	NC_021166.1	Ca_kabuli_chr07	18541728	AA	GG	1940404192
SNP_P1_141829_18545591	NC_021166.1	Ca_kabuli_chr07	18545591	GG	AA	1940404193
SNP_P1_141830_18546293	NC_021166.1	Ca_kabuli_chr07	18546293	TT	GG	1940404195
SNP_P1_141831_18574447	NC_021166.1	Ca_kabuli_chr07	18574447	TT	AA	1940404197
SNP_P1_141832_18587157	NC_021166.1	Ca_kabuli_chr07	18587157	AA	GG	1940404199
SNP_P1_141833_18587182	NC_021166.1	Ca_kabuli_chr07	18587182	GG	CC	1940404200
SNP_P1_141834_18587223	NC_021166.1	Ca_kabuli_chr07	18587223	CC	AA	1940404202
SNP_P1_141835_18587404	NC_021166.1	Ca_kabuli_chr07	18587404	GG	AA	1940404204
SNP_P1_141836_18587448	NC_021166.1	Ca_kabuli_chr07	18587448	CC	TT	1940404206
SNP_P1_141837_18587466	NC_021166.1	Ca_kabuli_chr07	18587466	AA	TT	1940404208
SNP_P1_141838_18587495	NC_021166.1	Ca_kabuli_chr07	18587495	TT	GG	1940404209
SNP_P1_141839_18587510	NC_021166.1	Ca_kabuli_chr07	18587510	TT	CC	1940404211
SNP_P1_141840_18587524	NC_021166.1	Ca_kabuli_chr07	18587524	CC	TT	1940404213
SNP_P1_141841_18587533	NC_021166.1	Ca_kabuli_chr07	18587533	TT	CC	1940404215
SNP_P1_141842_18587546	NC_021166.1	Ca_kabuli_chr07	18587546	AA	TT	1940404217
SNP_P1_141843_18587563	NC_021166.1	Ca_kabuli_chr07	18587563	TT	CC	1940404218
SNP_P1_141844_18587603	NC_021166.1	Ca_kabuli_chr07	18587603	CC	TT	1940404220
SNP_P1_141845_18587607	NC_021166.1	Ca_kabuli_chr07	18587607	CC	TT	1940404222
SNP_P1_141847_18587706	NC_021166.1	Ca_kabuli_chr07	18587706	GG	AA	1940404224
SNP_P1_141848_18587760	NC_021166.1	Ca_kabuli_chr07	18587760	AA	GG	1940404226
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SNP_P1_141851_18587772	NC_021166.1	Ca_kabuli_chr07	18587772	AA	GG	1940404231
SNP_P1_141853_18588046	NC_021166.1	Ca_kabuli_chr07	18588046	GG	TT	1940404233
SNP_P1_141854_18588184	NC_021166.1	Ca_kabuli_chr07	18588184	AA	TT	1940404234
SNP_P1_141855_18588221	NC_021166.1	Ca_kabuli_chr07	18588221	AA	TT	1940404236
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SNP_P1_141858_18588411	NC_021166.1	Ca_kabuli_chr07	18588411	TT	AA	1940404240
SNP_P1_141859_18588443	NC_021166.1	Ca_kabuli_chr07	18588443	CC	AA	1940404242
SNP_P1_141860_18588451	NC_021166.1	Ca_kabuli_chr07	18588451	TT	CC	1940404243
SNP_P1_141861_18588488	NC_021166.1	Ca_kabuli_chr07	18588488	AA	CC	1940404245
SNP_P1_141862_18588599	NC_021166.1	Ca_kabuli_chr07	18588599	TT	CC	1940404247
SNP_P1_141863_18588642	NC_021166.1	Ca_kabuli_chr07	18588642	TT	CC	1940404249
SNP_P1_141865_18588743	NC_021166.1	Ca_kabuli_chr07	18588743	CC	TT	1940404251
SNP_P1_141866_18588753	NC_021166.1	Ca_kabuli_chr07	18588753	TT	CC	1940404252
SNP_P1_141867_18588761	NC_021166.1	Ca_kabuli_chr07	18588761	TT	CC	1940404254
SNP_P1_141868_18588808	NC_021166.1	Ca_kabuli_chr07	18588808	AA	TT	1940404256

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141871_18589037	NC_021166.1	Ca_kabuli_chr07	18589037	AA	CC	1940404260
SNP_P1_141872_18589252	NC_021166.1	Ca_kabuli_chr07	18589252	CC	TT	1940404261
SNP_P1_141873_18589563	NC_021166.1	Ca_kabuli_chr07	18589563	CC	TT	1940404263
SNP_P1_141874_18589605	NC_021166.1	Ca_kabuli_chr07	18589605	AA	TT	1940404265
SNP_P1_141875_18589688	NC_021166.1	Ca_kabuli_chr07	18589688	TT	AA	1940404267
SNP_P1_141876_18589701	NC_021166.1	Ca_kabuli_chr07	18589701	GG	AA	1940404269
SNP_P1_141877_18589743	NC_021166.1	Ca_kabuli_chr07	18589743	GG	AA	1940404270
SNP_P1_141878_18589762	NC_021166.1	Ca_kabuli_chr07	18589762	AA	GG	1940404272
SNP_P1_141879_18589764	NC_021166.1	Ca_kabuli_chr07	18589764	GG	AA	1940404274
SNP_P1_141880_18589787	NC_021166.1	Ca_kabuli_chr07	18589787	TT	CC	1940404276
SNP_P1_141881_18589809	NC_021166.1	Ca_kabuli_chr07	18589809	AA	TT	1940404277
SNP_P1_141882_18589838	NC_021166.1	Ca_kabuli_chr07	18589838	GG	AA	1940404279
SNP_P1_141883_18589912	NC_021166.1	Ca_kabuli_chr07	18589912	AA	GG	1940404281
SNP_P1_141884_18590024	NC_021166.1	Ca_kabuli_chr07	18590024	TT	GG	1940404283
SNP_P1_141885_18590030	NC_021166.1	Ca_kabuli_chr07	18590030	CC	TT	1940404285
SNP_P1_141886_18590036	NC_021166.1	Ca_kabuli_chr07	18590036	TT	GG	1940404286
SNP_P1_141887_18590050	NC_021166.1	Ca_kabuli_chr07	18590050	AA	TT	1940404288
SNP_P1_141888_18590096	NC_021166.1	Ca_kabuli_chr07	18590096	TT	GG	1940404290
SNP_P1_141889_18590133	NC_021166.1	Ca_kabuli_chr07	18590133	AA	GG	1940404292
SNP_P1_141890_18590166	NC_021166.1	Ca_kabuli_chr07	18590166	TT	CC	1940404294
SNP_P1_141891_18611305	NC_021166.1	Ca_kabuli_chr07	18611305	AA	CC	1940404295
SNP_P1_141892_18622104	NC_021166.1	Ca_kabuli_chr07	18622104	CC	TT	1940404297
SNP_P1_141894_18636509	NC_021166.1	Ca_kabuli_chr07	18636509	AA	TT	1940404299
SNP_P1_141895_18653754	NC_021166.1	Ca_kabuli_chr07	18653754	AA	TT	1940404301
SNP_P1_141896_18666367	NC_021166.1	Ca_kabuli_chr07	18666367	TT	AA	1940404303
SNP_P1_141897_18672449	NC_021166.1	Ca_kabuli_chr07	18672449	TT	CC	1940404304
SNP_P1_141898_18675916	NC_021166.1	Ca_kabuli_chr07	18675916	CC	TT	1940404306
SNP_P1_141899_18680490	NC_021166.1	Ca_kabuli_chr07	18680490	GG	AA	1940404308
SNP_P1_141900_18681465	NC_021166.1	Ca_kabuli_chr07	18681465	CC	TT	1940404310
SNP_P1_141901_18681495	NC_021166.1	Ca_kabuli_chr07	18681495	GG	AA	1940404311
SNP_P1_141902_18681498	NC_021166.1	Ca_kabuli_chr07	18681498	TT	CC	1940404313
SNP_P1_141903_18690843	NC_021166.1	Ca_kabuli_chr07	18690843	AA	GG	1940404315
SNP_P1_141904_18701118	NC_021166.1	Ca_kabuli_chr07	18701118	AA	TT	1940404317
SNP_P1_141905_18702880	NC_021166.1	Ca_kabuli_chr07	18702880	AA	TT	1940404319
SNP_P1_141906_18704347	NC_021166.1	Ca_kabuli_chr07	18704347	GG	TT	1940404320
SNP_P1_141907_18709057	NC_021166.1	Ca_kabuli_chr07	18709057	GG	AA	1940404322
SNP_P1_141909_18725106	NC_021166.1	Ca_kabuli_chr07	18725106	TT	AA	1940404324
SNP_P1_141910_18728531	NC_021166.1	Ca_kabuli_chr07	18728531	GG	CC	1940404326
SNP_P1_141911_18730203	NC_021166.1	Ca_kabuli_chr07	18730203	AA	TT	1940404328
SNP_P1_141912_18739595	NC_021166.1	Ca_kabuli_chr07	18739595	GG	AA	1940404329
SNP_P1_141913_18739713	NC_021166.1	Ca_kabuli_chr07	18739713	TT	CC	1940404331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141917_18740453	NC_021166.1	Ca_kabuli_chr07	18740453	TT	CC	1940404335
SNP_P1_141918_18751621	NC_021166.1	Ca_kabuli_chr07	18751621	CC	TT	1940404337
SNP_P1_141919_18765696	NC_021166.1	Ca_kabuli_chr07	18765696	TT	CC	1940404338
SNP_P1_141922_18791710	NC_021166.1	Ca_kabuli_chr07	18791710	TT	CC	1940404340
SNP_P1_141923_18803634	NC_021166.1	Ca_kabuli_chr07	18803634	CC	TT	1940404342
SNP_P1_141924_18809714	NC_021166.1	Ca_kabuli_chr07	18809714	TT	CC	1940404344
SNP_P1_141925_18828482	NC_021166.1	Ca_kabuli_chr07	18828482	CC	TT	1940404346
SNP_P1_141926_18840395	NC_021166.1	Ca_kabuli_chr07	18840395	AA	TT	1940404347
SNP_P1_141927_18851193	NC_021166.1	Ca_kabuli_chr07	18851193	AA	TT	1940404349
SNP_P1_141928_18852410	NC_021166.1	Ca_kabuli_chr07	18852410	GG	AA	1940404351
SNP_P1_141929_18856928	NC_021166.1	Ca_kabuli_chr07	18856928	TT	CC	1940404353
SNP_P1_141930_18857399	NC_021166.1	Ca_kabuli_chr07	18857399	GG	CC	1940404355
SNP_P1_141932_18899138	NC_021166.1	Ca_kabuli_chr07	18899138	TT	CC	1940404356
SNP_P1_141933_18899163	NC_021166.1	Ca_kabuli_chr07	18899163	TT	GG	1940404358
SNP_P1_141934_18904580	NC_021166.1	Ca_kabuli_chr07	18904580	TT	GG	1940404360
SNP_P1_141935_18904699	NC_021166.1	Ca_kabuli_chr07	18904699	GG	AA	1940404362
SNP_P1_141936_18904858	NC_021166.1	Ca_kabuli_chr07	18904858	TT	AA	1940404363
SNP_P1_141937_18905009	NC_021166.1	Ca_kabuli_chr07	18905009	GG	TT	1940404365
SNP_P1_141938_18913118	NC_021166.1	Ca_kabuli_chr07	18913118	CC	TT	1940404367
SNP_P1_141939_18917196	NC_021166.1	Ca_kabuli_chr07	18917196	AA	TT	1940404369
SNP_P1_141940_18917197	NC_021166.1	Ca_kabuli_chr07	18917197	CC	GG	1940404371
SNP_P1_141941_18917198	NC_021166.1	Ca_kabuli_chr07	18917198	GG	AA	1940404372
SNP_P1_141943_18917831	NC_021166.1	Ca_kabuli_chr07	18917831	TT	GG	1940404374
SNP_P1_141944_18918110	NC_021166.1	Ca_kabuli_chr07	18918110	GG	AA	1940404376
SNP_P1_141946_18918187	NC_021166.1	Ca_kabuli_chr07	18918187	GG	AA	1940404378
SNP_P1_141947_18918206	NC_021166.1	Ca_kabuli_chr07	18918206	AA	CC	1940404380
SNP_P1_141948_18918410	NC_021166.1	Ca_kabuli_chr07	18918410	TT	AA	1940404381
SNP_P1_141950_18918812	NC_021166.1	Ca_kabuli_chr07	18918812	CC	TT	1940404383
SNP_P1_141951_18919394	NC_021166.1	Ca_kabuli_chr07	18919394	TT	CC	1940404385
SNP_P1_141952_18923208	NC_021166.1	Ca_kabuli_chr07	18923208	GG	TT	1940404387
SNP_P1_141954_18928983	NC_021166.1	Ca_kabuli_chr07	18928983	AA	CC	1940404389
SNP_P1_141955_18930931	NC_021166.1	Ca_kabuli_chr07	18930931	AA	GG	1940404390
SNP_P1_141956_18931275	NC_021166.1	Ca_kabuli_chr07	18931275	TT	CC	1940404392
SNP_P1_141957_18931276	NC_021166.1	Ca_kabuli_chr07	18931276	CC	TT	1940404394
SNP_P1_141958_18931314	NC_021166.1	Ca_kabuli_chr07	18931314	CC	TT	1940404396
SNP_P1_141960_18933094	NC_021166.1	Ca_kabuli_chr07	18933094	GG	AA	1940404397
SNP_P1_141961_18933240	NC_021166.1	Ca_kabuli_chr07	18933240	TT	CC	1940404399
SNP_P1_141962_18934931	NC_021166.1	Ca_kabuli_chr07	18934931	GG	AA	1940404401
SNP_P1_141963_18935333	NC_021166.1	Ca_kabuli_chr07	18935333	TT	AA	1940404403
SNP_P1_141964_18935363	NC_021166.1	Ca_kabuli_chr07	18935363	GG	AA	1940404405
SNP_P1_141965_18935382	NC_021166.1	Ca_kabuli_chr07	18935382	GG	AA	1940404406

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_141967_18935486	NC_021166.1	Ca_kabuli_chr07	18935486	TT	AA	1940404410
SNP_P1_141968_18935507	NC_021166.1	Ca_kabuli_chr07	18935507	TT	CC	1940404412
SNP_P1_141969_18936309	NC_021166.1	Ca_kabuli_chr07	18936309	TT	CC	1940404414
SNP_P1_141970_18936311	NC_021166.1	Ca_kabuli_chr07	18936311	TT	AA	1940404415
SNP_P1_141971_18936322	NC_021166.1	Ca_kabuli_chr07	18936322	TT	CC	1940404417
SNP_P1_141972_18938126	NC_021166.1	Ca_kabuli_chr07	18938126	CC	TT	1940404419
SNP_P1_141973_18938162	NC_021166.1	Ca_kabuli_chr07	18938162	GG	TT	1940404421
SNP_P1_141974_18938170	NC_021166.1	Ca_kabuli_chr07	18938170	AA	TT	1940404423
SNP_P1_141976_18957071	NC_021166.1	Ca_kabuli_chr07	18957071	AA	GG	1940404424
SNP_P1_141977_18957145	NC_021166.1	Ca_kabuli_chr07	18957145	GG	AA	1940404426
SNP_P1_141979_18967441	NC_021166.1	Ca_kabuli_chr07	18967441	AA	GG	1940404428
SNP_P1_141980_18967490	NC_021166.1	Ca_kabuli_chr07	18967490	TT	GG	1940404430
SNP_P1_141981_18975081	NC_021166.1	Ca_kabuli_chr07	18975081	AA	TT	1940404432
SNP_P1_141982_18982274	NC_021166.1	Ca_kabuli_chr07	18982274	GG	AA	1940404433
SNP_P1_141983_18982279	NC_021166.1	Ca_kabuli_chr07	18982279	TT	CC	1940404435
SNP_P1_141984_18982757	NC_021166.1	Ca_kabuli_chr07	18982757	TT	CC	1940404437
SNP_P1_141985_18984450	NC_021166.1	Ca_kabuli_chr07	18984450	AA	GG	1940404439
SNP_P1_141986_18985978	NC_021166.1	Ca_kabuli_chr07	18985978	GG	AA	1940404441
SNP_P1_141989_19014572	NC_021166.1	Ca_kabuli_chr07	19014572	AA	CC	1940404442
SNP_P1_141990_19025071	NC_021166.1	Ca_kabuli_chr07	19025071	GG	CC	1940404444
SNP_P1_141991_19041471	NC_021166.1	Ca_kabuli_chr07	19041471	GG	AA	1940404446
SNP_P1_141992_19065069	NC_021166.1	Ca_kabuli_chr07	19065069	CC	AA	1940404448
SNP_P1_141994_19073619	NC_021166.1	Ca_kabuli_chr07	19073619	CC	TT	1940404449
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SNP_P1_141998_19084046	NC_021166.1	Ca_kabuli_chr07	19084046	CC	GG	1940404453
SNP_P1_141999_19084126	NC_021166.1	Ca_kabuli_chr07	19084126	TT	CC	1940404455
SNP_P1_142000_19084262	NC_021166.1	Ca_kabuli_chr07	19084262	CC	TT	1940404457
SNP_P1_142001_19084286	NC_021166.1	Ca_kabuli_chr07	19084286	AA	CC	1940404458
SNP_P1_142002_19084287	NC_021166.1	Ca_kabuli_chr07	19084287	AA	GG	1940404460
SNP_P1_142003_19084306	NC_021166.1	Ca_kabuli_chr07	19084306	TT	CC	1940404462
SNP_P1_142004_19084334	NC_021166.1	Ca_kabuli_chr07	19084334	AA	GG	1940404464
SNP_P1_142005_19084336	NC_021166.1	Ca_kabuli_chr07	19084336	TT	AA	1940404466
SNP_P1_142006_19101127	NC_021166.1	Ca_kabuli_chr07	19101127	CC	AA	1940404467
SNP_P1_142007_19101132	NC_021166.1	Ca_kabuli_chr07	19101132	TT	GG	1940404469
SNP_P1_142008_19116980	NC_021166.1	Ca_kabuli_chr07	19116980	GG	AA	1940404471
SNP_P1_142009_19117173	NC_021166.1	Ca_kabuli_chr07	19117173	AA	GG	1940404473
SNP_P1_142010_19126760	NC_021166.1	Ca_kabuli_chr07	19126760	CC	TT	1940404475
SNP_P1_142011_19126833	NC_021166.1	Ca_kabuli_chr07	19126833	TT	CC	1940404476
SNP_P1_142013_19138679	NC_021166.1	Ca_kabuli_chr07	19138679	CC	TT	1940404478
SNP_P1_142014_19149854	NC_021166.1	Ca_kabuli_chr07	19149854	TT	CC	1940404480
SNP_P1_142015_19160537	NC_021166.1	Ca_kabuli_chr07	19160537	TT	CC	1940404482

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_142016_19165701	NC_021166.1	Ca_kabuli_chr07	19165701	GG	AA	1940404483
SNP_P1_142017_19167959	NC_021166.1	Ca_kabuli_chr07	19167959	TT	AA	1940404485
SNP_P1_142018_19173444	NC_021166.1	Ca_kabuli_chr07	19173444	GG	AA	1940404487
SNP_P1_142020_19176986	NC_021166.1	Ca_kabuli_chr07	19176986	AA	GG	1940404489
SNP_P1_142021_19179057	NC_021166.1	Ca_kabuli_chr07	19179057	AA	GG	1940404491
SNP_P1_142022_19181445	NC_021166.1	Ca_kabuli_chr07	19181445	CC	AA	1940404492
SNP_P1_142023_19185027	NC_021166.1	Ca_kabuli_chr07	19185027	CC	AA	1940404494
SNP_P1_142024_19211314	NC_021166.1	Ca_kabuli_chr07	19211314	GG	AA	1940404496
SNP_P1_142027_19263830	NC_021166.1	Ca_kabuli_chr07	19263830	AA	GG	1940404498
SNP_P1_142028_19263839	NC_021166.1	Ca_kabuli_chr07	19263839	AA	GG	1940404500
SNP_P1_142030_19268046	NC_021166.1	Ca_kabuli_chr07	19268046	CC	TT	1940404501
SNP_P1_142031_19272865	NC_021166.1	Ca_kabuli_chr07	19272865	AA	GG	1940404503
SNP_P1_142035_19296559	NC_021166.1	Ca_kabuli_chr07	19296559	CC	GG	1940404505
SNP_P1_142036_19296571	NC_021166.1	Ca_kabuli_chr07	19296571	GG	AA	1940404507
SNP_P1_142037_19300639	NC_021166.1	Ca_kabuli_chr07	19300639	AA	TT	1940404509
SNP_P1_142038_19302172	NC_021166.1	Ca_kabuli_chr07	19302172	AA	GG	1940404510
SNP_P1_142040_19310692	NC_021166.1	Ca_kabuli_chr07	19310692	GG	AA	1940404512
SNP_P1_142041_19310694	NC_021166.1	Ca_kabuli_chr07	19310694	AA	CC	1940404514
SNP_P1_142043_19321327	NC_021166.1	Ca_kabuli_chr07	19321327	CC	TT	1940404516
SNP_P1_142044_19326594	NC_021166.1	Ca_kabuli_chr07	19326594	GG	AA	1940404517
SNP_P1_142046_19359983	NC_021166.1	Ca_kabuli_chr07	19359983	TT	CC	1940404519
SNP_P1_142047_19360020	NC_021166.1	Ca_kabuli_chr07	19360020	AA	GG	1940404521
SNP_P1_142048_19360291	NC_021166.1	Ca_kabuli_chr07	19360291	AA	GG	1940404523
SNP_P1_142049_19360296	NC_021166.1	Ca_kabuli_chr07	19360296	GG	AA	1940404525
SNP_P1_142050_19360316	NC_021166.1	Ca_kabuli_chr07	19360316	CC	TT	1940404526
SNP_P1_142051_19360339	NC_021166.1	Ca_kabuli_chr07	19360339	AA	CC	1940404528
SNP_P1_142052_19360433	NC_021166.1	Ca_kabuli_chr07	19360433	CC	GG	1940404530
SNP_P1_142053_19360608	NC_021166.1	Ca_kabuli_chr07	19360608	TT	AA	1940404532
SNP_P1_142055_19394529	NC_021166.1	Ca_kabuli_chr07	19394529	GG	TT	1940404534
SNP_P1_142056_19397724	NC_021166.1	Ca_kabuli_chr07	19397724	GG	CC	1940404535
SNP_P1_142057_19398376	NC_021166.1	Ca_kabuli_chr07	19398376	GG	AA	1940404537
SNP_P1_142058_19406086	NC_021166.1	Ca_kabuli_chr07	19406086	TT	CC	1940404539
SNP_P1_142059_19410677	NC_021166.1	Ca_kabuli_chr07	19410677	CC	TT	1940404541
SNP_P1_142060_19411759	NC_021166.1	Ca_kabuli_chr07	19411759	TT	GG	1940404543
SNP_P1_142061_19411760	NC_021166.1	Ca_kabuli_chr07	19411760	TT	AA	1940404544
SNP_P1_142064_19440256	NC_021166.1	Ca_kabuli_chr07	19440256	CC	TT	1940404546
SNP_P1_142065_19440575	NC_021166.1	Ca_kabuli_chr07	19440575	CC	TT	1940404548
SNP_P1_142066_19461412	NC_021166.1	Ca_kabuli_chr07	19461412	AA	CC	1940404550
SNP_P1_142067_19463384	NC_021166.1	Ca_kabuli_chr07	19463384	TT	CC	1940404552
SNP_P1_142068_19467030	NC_021166.1	Ca_kabuli_chr07	19467030	TT	CC	1940404553
SNP_P1_142069_19485974	NC_021166.1	Ca_kabuli_chr07	19485974	GG	AA	1940404555
SNP_P1_142070_19485993	NC_021166.1	Ca_kabuli_chr07	19485993	GG	AA	1940404557

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_142071_19486314	NC_021166.1	Ca_kabuli_chr07	19486314	CC	TT	1940404559
SNP_P1_142072_19486349	NC_021166.1	Ca_kabuli_chr07	19486349	GG	AA	1940404560
SNP_P1_142073_19486354	NC_021166.1	Ca_kabuli_chr07	19486354	AA	GG	1940404562
SNP_P1_142074_19486355	NC_021166.1	Ca_kabuli_chr07	19486355	AA	GG	1940404564
SNP_P1_142075_19505591	NC_021166.1	Ca_kabuli_chr07	19505591	CC	AA	1940404566
SNP_P1_142076_19510905	NC_021166.1	Ca_kabuli_chr07	19510905	AA	CC	1940404568
SNP_P1_142077_19510961	NC_021166.1	Ca_kabuli_chr07	19510961	AA	GG	1940404569
SNP_P1_142078_19510966	NC_021166.1	Ca_kabuli_chr07	19510966	TT	GG	1940404571
SNP_P1_142079_19510980	NC_021166.1	Ca_kabuli_chr07	19510980	TT	AA	1940404573
SNP_P1_142080_19511327	NC_021166.1	Ca_kabuli_chr07	19511327	TT	CC	1940404575
SNP_P1_142081_19511334	NC_021166.1	Ca_kabuli_chr07	19511334	AA	CC	1940404577
SNP_P1_142082_19511366	NC_021166.1	Ca_kabuli_chr07	19511366	AA	GG	1940404578
SNP_P1_142083_19516786	NC_021166.1	Ca_kabuli_chr07	19516786	GG	AA	1940404580
SNP_P1_142084_19517105	NC_021166.1	Ca_kabuli_chr07	19517105	CC	AA	1940404582
SNP_P1_142085_19528928	NC_021166.1	Ca_kabuli_chr07	19528928	AA	TT	1940404584
SNP_P1_142086_19529352	NC_021166.1	Ca_kabuli_chr07	19529352	AA	GG	1940404586
SNP_P1_142087_19530217	NC_021166.1	Ca_kabuli_chr07	19530217	AA	TT	1940404587
SNP_P1_142088_19538450	NC_021166.1	Ca_kabuli_chr07	19538450	CC	GG	1940404589
SNP_P1_142089_19552563	NC_021166.1	Ca_kabuli_chr07	19552563	AA	CC	1940404591
SNP_P1_142091_19573264	NC_021166.1	Ca_kabuli_chr07	19573264	TT	GG	1940404593
SNP_P1_142092_19584564	NC_021166.1	Ca_kabuli_chr07	19584564	CC	TT	1940404595
SNP_P1_142093_19584566	NC_021166.1	Ca_kabuli_chr07	19584566	CC	TT	1940404596
SNP_P1_142094_19584595	NC_021166.1	Ca_kabuli_chr07	19584595	TT	AA	1940404598
SNP_P1_142095_19584596	NC_021166.1	Ca_kabuli_chr07	19584596	TT	CC	1940404600
SNP_P1_142096_19584679	NC_021166.1	Ca_kabuli_chr07	19584679	AA	TT	1940404602
SNP_P1_142097_19584680	NC_021166.1	Ca_kabuli_chr07	19584680	GG	AA	1940404603
SNP_P1_142098_19584726	NC_021166.1	Ca_kabuli_chr07	19584726	AA	TT	1940404605
SNP_P1_142099_19584747	NC_021166.1	Ca_kabuli_chr07	19584747	AA	TT	1940404607
SNP_P1_142100_19584767	NC_021166.1	Ca_kabuli_chr07	19584767	CC	GG	1940404609
SNP_P1_142101_19584768	NC_021166.1	Ca_kabuli_chr07	19584768	CC	TT	1940404611
SNP_P1_142102_19584774	NC_021166.1	Ca_kabuli_chr07	19584774	GG	AA	1940404612
SNP_P1_142103_19584786	NC_021166.1	Ca_kabuli_chr07	19584786	TT	GG	1940404614
SNP_P1_142104_19584790	NC_021166.1	Ca_kabuli_chr07	19584790	CC	TT	1940404616
SNP_P1_142105_19589167	NC_021166.1	Ca_kabuli_chr07	19589167	CC	TT	1940404618
SNP_P1_142108_19622474	NC_021166.1	Ca_kabuli_chr07	19622474	GG	AA	1940404620
SNP_P1_142109_19625491	NC_021166.1	Ca_kabuli_chr07	19625491	TT	CC	1940404621
SNP_P1_142110_19625691	NC_021166.1	Ca_kabuli_chr07	19625691	TT	CC	1940404623
SNP_P1_142111_19629090	NC_021166.1	Ca_kabuli_chr07	19629090	AA	GG	1940404625
SNP_P1_142112_19629307	NC_021166.1	Ca_kabuli_chr07	19629307	GG	AA	1940404627
SNP_P1_142114_19646854	NC_021166.1	Ca_kabuli_chr07	19646854	TT	GG	1940404629
SNP_P1_142115_19646955	NC_021166.1	Ca_kabuli_chr07	19646955	TT	AA	1940404630
SNP_P1_142116_19647299	NC_021166.1	Ca_kabuli_chr07	19647299	GG	AA	1940404632

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_142117_19647589	NC_021166.1	Ca_kabuli_chr07	19647589	TT	CC	1940404634
SNP_P1_142119_19659918	NC_021166.1	Ca_kabuli_chr07	19659918	TT	AA	1940404636
SNP_P1_142120_19673042	NC_021166.1	Ca_kabuli_chr07	19673042	CC	GG	1940404637
SNP_P1_142121_19673710	NC_021166.1	Ca_kabuli_chr07	19673710	TT	CC	1940404639
SNP_P1_142122_19675376	NC_021166.1	Ca_kabuli_chr07	19675376	TT	CC	1940404641
SNP_P1_142126_19691003	NC_021166.1	Ca_kabuli_chr07	19691003	TT	CC	1940404643
SNP_P1_142127_19705801	NC_021166.1	Ca_kabuli_chr07	19705801	TT	CC	1940404645
SNP_P1_142128_19712443	NC_021166.1	Ca_kabuli_chr07	19712443	GG	AA	1940404646
SNP_P1_142129_19716661	NC_021166.1	Ca_kabuli_chr07	19716661	CC	TT	1940404648
SNP_P1_142130_19718219	NC_021166.1	Ca_kabuli_chr07	19718219	CC	TT	1940404650
SNP_P1_142131_19729904	NC_021166.1	Ca_kabuli_chr07	19729904	GG	AA	1940404652
SNP_P1_142132_19731357	NC_021166.1	Ca_kabuli_chr07	19731357	GG	TT	1940404654
SNP_P1_142133_19731390	NC_021166.1	Ca_kabuli_chr07	19731390	AA	GG	1940404655
SNP_P1_142134_19731427	NC_021166.1	Ca_kabuli_chr07	19731427	GG	AA	1940404657
SNP_P1_142135_19731438	NC_021166.1	Ca_kabuli_chr07	19731438	TT	CC	1940404659
SNP_P1_142136_19731448	NC_021166.1	Ca_kabuli_chr07	19731448	CC	TT	1940404661
SNP_P1_142137_19731469	NC_021166.1	Ca_kabuli_chr07	19731469	TT	CC	1940404663
SNP_P1_142138_19731475	NC_021166.1	Ca_kabuli_chr07	19731475	CC	TT	1940404664
SNP_P1_142139_19731479	NC_021166.1	Ca_kabuli_chr07	19731479	CC	TT	1940404666
SNP_P1_142140_19731736	NC_021166.1	Ca_kabuli_chr07	19731736	TT	GG	1940404668
SNP_P1_142142_19731767	NC_021166.1	Ca_kabuli_chr07	19731767	GG	AA	1940404670
SNP_P1_142143_19731801	NC_021166.1	Ca_kabuli_chr07	19731801	CC	TT	1940404672
SNP_P1_142144_19731815	NC_021166.1	Ca_kabuli_chr07	19731815	TT	CC	1940404673
SNP_P1_142145_19731846	NC_021166.1	Ca_kabuli_chr07	19731846	TT	CC	1940404675
SNP_P1_142146_19731860	NC_021166.1	Ca_kabuli_chr07	19731860	CC	AA	1940404677
SNP_P1_142147_19732025	NC_021166.1	Ca_kabuli_chr07	19732025	GG	AA	1940404679
SNP_P1_142148_19732045	NC_021166.1	Ca_kabuli_chr07	19732045	CC	GG	1940404680
SNP_P1_142149_19732089	NC_021166.1	Ca_kabuli_chr07	19732089	TT	CC	1940404682
SNP_P1_142150_19732117	NC_021166.1	Ca_kabuli_chr07	19732117	TT	CC	1940404684
SNP_P1_142151_19732168	NC_021166.1	Ca_kabuli_chr07	19732168	GG	AA	1940404686
SNP_P1_142152_19732182	NC_021166.1	Ca_kabuli_chr07	19732182	CC	TT	1940404688
SNP_P1_142153_19732228	NC_021166.1	Ca_kabuli_chr07	19732228	AA	GG	1940404689
SNP_P1_142154_19732409	NC_021166.1	Ca_kabuli_chr07	19732409	TT	CC	1940404691
SNP_P1_142155_19732473	NC_021166.1	Ca_kabuli_chr07	19732473	AA	GG	1940404693
SNP_P1_142156_19732482	NC_021166.1	Ca_kabuli_chr07	19732482	TT	CC	1940404695
SNP_P1_142157_19756580	NC_021166.1	Ca_kabuli_chr07	19756580	AA	TT	1940404697
SNP_P1_142158_19756581	NC_021166.1	Ca_kabuli_chr07	19756581	AA	TT	1940404698
SNP_P1_142159_19766454	NC_021166.1	Ca_kabuli_chr07	19766454	AA	GG	1940404700
SNP_P1_142160_19783393	NC_021166.1	Ca_kabuli_chr07	19783393	AA	TT	1940404702
SNP_P1_142161_19783411	NC_021166.1	Ca_kabuli_chr07	19783411	CC	TT	1940404704
SNP_P1_142163_19786413	NC_021166.1	Ca_kabuli_chr07	19786413	AA	GG	1940404706
SNP_P1_142165_19786603	NC_021166.1	Ca_kabuli_chr07	19786603	CC	AA	1940404707

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_142166_19786609	NC_021166.1	Ca_kabuli_chr07	19786609	AA	TT	1940404709
SNP_P1_142167_19786645	NC_021166.1	Ca_kabuli_chr07	19786645	CC	AA	1940404711
SNP_P1_142168_19787318	NC_021166.1	Ca_kabuli_chr07	19787318	TT	GG	1940404713
SNP_P1_142169_19787336	NC_021166.1	Ca_kabuli_chr07	19787336	TT	GG	1940404714
SNP_P1_142171_19811962	NC_021166.1	Ca_kabuli_chr07	19811962	TT	CC	1940404716
SNP_P1_142173_19823250	NC_021166.1	Ca_kabuli_chr07	19823250	TT	CC	1940404718
SNP_P1_142174_19823562	NC_021166.1	Ca_kabuli_chr07	19823562	GG	TT	1940404720
SNP_P1_142176_19829621	NC_021166.1	Ca_kabuli_chr07	19829621	TT	CC	1940404722
SNP_P1_142177_19829662	NC_021166.1	Ca_kabuli_chr07	19829662	GG	AA	1940404723
SNP_P1_142179_19834478	NC_021166.1	Ca_kabuli_chr07	19834478	GG	AA	1940404725
SNP_P1_142180_19848478	NC_021166.1	Ca_kabuli_chr07	19848478	CC	TT	1940404727
SNP_P1_142182_19857992	NC_021166.1	Ca_kabuli_chr07	19857992	GG	AA	1940404729
SNP_P1_142183_19860233	NC_021166.1	Ca_kabuli_chr07	19860233	CC	TT	1940404731
SNP_P1_142184_19860285	NC_021166.1	Ca_kabuli_chr07	19860285	TT	GG	1940404732
SNP_P1_142186_19860604	NC_021166.1	Ca_kabuli_chr07	19860604	TT	AA	1940404734
SNP_P1_142187_19860613	NC_021166.1	Ca_kabuli_chr07	19860613	CC	AA	1940404736
SNP_P1_142188_19860641	NC_021166.1	Ca_kabuli_chr07	19860641	GG	CC	1940404738
SNP_P1_142189_19860852	NC_021166.1	Ca_kabuli_chr07	19860852	TT	CC	1940404740
SNP_P1_142190_19860885	NC_021166.1	Ca_kabuli_chr07	19860885	CC	AA	1940404741
SNP_P1_142191_19860886	NC_021166.1	Ca_kabuli_chr07	19860886	GG	AA	1940404743
SNP_P1_142192_19862378	NC_021166.1	Ca_kabuli_chr07	19862378	GG	TT	1940404745
SNP_P1_142193_19862536	NC_021166.1	Ca_kabuli_chr07	19862536	CC	TT	1940404747
SNP_P1_142195_19867305	NC_021166.1	Ca_kabuli_chr07	19867305	TT	CC	1940404749
SNP_P1_142196_19874294	NC_021166.1	Ca_kabuli_chr07	19874294	TT	GG	1940404750
SNP_P1_142197_19886275	NC_021166.1	Ca_kabuli_chr07	19886275	AA	GG	1940404752
SNP_P1_142198_19891103	NC_021166.1	Ca_kabuli_chr07	19891103	CC	GG	1940404754
SNP_P1_142199_19893225	NC_021166.1	Ca_kabuli_chr07	19893225	AA	TT	1940404756
SNP_P1_142200_19896172	NC_021166.1	Ca_kabuli_chr07	19896172	AA	TT	1940404757
SNP_P1_142201_19904150	NC_021166.1	Ca_kabuli_chr07	19904150	CC	TT	1940404759
SNP_P1_142202_19904151	NC_021166.1	Ca_kabuli_chr07	19904151	GG	AA	1940404761
SNP_P1_142203_19922459	NC_021166.1	Ca_kabuli_chr07	19922459	AA	GG	1940404763
SNP_P1_142204_19929027	NC_021166.1	Ca_kabuli_chr07	19929027	AA	TT	1940404765
SNP_P1_142205_19957465	NC_021166.1	Ca_kabuli_chr07	19957465	GG	AA	1940404766
SNP_P1_142206_19962365	NC_021166.1	Ca_kabuli_chr07	19962365	AA	GG	1940404768
SNP_P1_142209_19973948	NC_021166.1	Ca_kabuli_chr07	19973948	AA	GG	1940404770
SNP_P1_142210_19973969	NC_021166.1	Ca_kabuli_chr07	19973969	AA	GG	1940404772
SNP_P1_142211_19977253	NC_021166.1	Ca_kabuli_chr07	19977253	AA	GG	1940404774
SNP_P1_142212_19977319	NC_021166.1	Ca_kabuli_chr07	19977319	AA	GG	1940404775
SNP_P1_142213_19977357	NC_021166.1	Ca_kabuli_chr07	19977357	TT	CC	1940404777
SNP_P1_142214_19977516	NC_021166.1	Ca_kabuli_chr07	19977516	AA	GG	1940404779
SNP_P1_142215_19977803	NC_021166.1	Ca_kabuli_chr07	19977803	AA	GG	1940404781
SNP_P1_142217_19982936	NC_021166.1	Ca_kabuli_chr07	19982936	AA	TT	1940404782

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_142218_19991983	NC_021166.1	Ca_kabuli_chr07	19991983	TT	CC	1940404784
SNP_P1_142220_19993540	NC_021166.1	Ca_kabuli_chr07	19993540	GG	AA	1940404786
SNP_P1_142221_19995031	NC_021166.1	Ca_kabuli_chr07	19995031	GG	AA	1940404788
SNP_P1_142222_20029044	NC_021166.1	Ca_kabuli_chr07	20029044	AA	TT	1940404790
SNP_P1_142223_20032501	NC_021166.1	Ca_kabuli_chr07	20032501	GG	TT	1940404791
SNP_P1_142224_20032532	NC_021166.1	Ca_kabuli_chr07	20032532	GG	AA	1940404793
SNP_P1_142226_20032703	NC_021166.1	Ca_kabuli_chr07	20032703	TT	AA	1940404795
SNP_P1_142227_20032827	NC_021166.1	Ca_kabuli_chr07	20032827	TT	AA	1940404797
SNP_P1_142228_20033162	NC_021166.1	Ca_kabuli_chr07	20033162	AA	GG	1940404799
SNP_P1_142229_20034126	NC_021166.1	Ca_kabuli_chr07	20034126	AA	TT	1940404800
SNP_P1_142230_20035640	NC_021166.1	Ca_kabuli_chr07	20035640	AA	GG	1940404802
SNP_P1_142232_20036653	NC_021166.1	Ca_kabuli_chr07	20036653	GG	CC	1940404804
SNP_P1_142233_20036659	NC_021166.1	Ca_kabuli_chr07	20036659	AA	GG	1940404806
SNP_P1_142234_20036765	NC_021166.1	Ca_kabuli_chr07	20036765	GG	AA	1940404808
SNP_P1_142235_20050594	NC_021166.1	Ca_kabuli_chr07	20050594	TT	AA	1940404809
SNP_P1_142236_20050652	NC_021166.1	Ca_kabuli_chr07	20050652	TT	AA	1940404811
SNP_P1_142237_20059894	NC_021166.1	Ca_kabuli_chr07	20059894	GG	AA	1940404813
SNP_P1_142238_20060126	NC_021166.1	Ca_kabuli_chr07	20060126	AA	GG	1940404815
SNP_P1_142239_20060186	NC_021166.1	Ca_kabuli_chr07	20060186	CC	AA	1940404817
SNP_P1_142240_20060227	NC_021166.1	Ca_kabuli_chr07	20060227	CC	TT	1940404818
SNP_P1_142242_20061081	NC_021166.1	Ca_kabuli_chr07	20061081	TT	CC	1940404820
SNP_P1_142243_20077992	NC_021166.1	Ca_kabuli_chr07	20077992	GG	CC	1940404822
SNP_P1_142244_20077996	NC_021166.1	Ca_kabuli_chr07	20077996	AA	GG	1940404824
SNP_P1_142245_20077997	NC_021166.1	Ca_kabuli_chr07	20077997	TT	GG	1940404825
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SNP_P1_142249_20092564	NC_021166.1	Ca_kabuli_chr07	20092564	CC	TT	1940404831
SNP_P1_142250_20106036	NC_021166.1	Ca_kabuli_chr07	20106036	CC	TT	1940404833
SNP_P1_142251_20121711	NC_021166.1	Ca_kabuli_chr07	20121711	CC	TT	1940404834
SNP_P1_142252_20159587	NC_021166.1	Ca_kabuli_chr07	20159587	CC	TT	1940404836
SNP_P1_142253_20160014	NC_021166.1	Ca_kabuli_chr07	20160014	TT	CC	1940404838
SNP_P1_142255_20194613	NC_021166.1	Ca_kabuli_chr07	20194613	TT	CC	1940404840
SNP_P1_142256_20211000	NC_021166.1	Ca_kabuli_chr07	20211000	GG	AA	1940404842
SNP_P1_142257_20215988	NC_021166.1	Ca_kabuli_chr07	20215988	AA	GG	1940404843
SNP_P1_142258_20215990	NC_021166.1	Ca_kabuli_chr07	20215990	CC	TT	1940404845
SNP_P1_142259_20215997	NC_021166.1	Ca_kabuli_chr07	20215997	CC	TT	1940404847
SNP_P1_142260_20216007	NC_021166.1	Ca_kabuli_chr07	20216007	CC	AA	1940404849
SNP_P1_142261_20217384	NC_021166.1	Ca_kabuli_chr07	20217384	TT	CC	1940404851
SNP_P1_142262_20217434	NC_021166.1	Ca_kabuli_chr07	20217434	TT	AA	1940404852
SNP_P1_142263_20217491	NC_021166.1	Ca_kabuli_chr07	20217491	AA	GG	1940404854
SNP_P1_142264_20217532	NC_021166.1	Ca_kabuli_chr07	20217532	CC	GG	1940404856
SNP_P1_142265_20217636	NC_021166.1	Ca_kabuli_chr07	20217636	TT	GG	1940404858

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142268_20217865	NC_021166.1	Ca_kabuli_chr07	20217865	GG	AA	1940404861
SNP_P1_142269_20217901	NC_021166.1	Ca_kabuli_chr07	20217901	TT	CC	1940404863
SNP_P1_142270_20217919	NC_021166.1	Ca_kabuli_chr07	20217919	AA	GG	1940404865
SNP_P1_142271_20220232	NC_021166.1	Ca_kabuli_chr07	20220232	AA	GG	1940404867
SNP_P1_142272_20221313	NC_021166.1	Ca_kabuli_chr07	20221313	GG	AA	1940404868
SNP_P1_142273_20225429	NC_021166.1	Ca_kabuli_chr07	20225429	CC	AA	1940404870
SNP_P1_142274_20225430	NC_021166.1	Ca_kabuli_chr07	20225430	TT	CC	1940404872
SNP_P1_142277_20251949	NC_021166.1	Ca_kabuli_chr07	20251949	AA	GG	1940404874
SNP_P1_142278_20251950	NC_021166.1	Ca_kabuli_chr07	20251950	TT	GG	1940404876
SNP_P1_142279_20251970	NC_021166.1	Ca_kabuli_chr07	20251970	GG	AA	1940404877
SNP_P1_142280_20251982	NC_021166.1	Ca_kabuli_chr07	20251982	TT	AA	1940404879
SNP_P1_142281_20252334	NC_021166.1	Ca_kabuli_chr07	20252334	TT	AA	1940404881
SNP_P1_142282_20252376	NC_021166.1	Ca_kabuli_chr07	20252376	GG	AA	1940404883
SNP_P1_142283_20252392	NC_021166.1	Ca_kabuli_chr07	20252392	TT	CC	1940404885
SNP_P1_142285_20252613	NC_021166.1	Ca_kabuli_chr07	20252613	AA	GG	1940404886
SNP_P1_142286_20266165	NC_021166.1	Ca_kabuli_chr07	20266165	CC	GG	1940404888
SNP_P1_142287_20278027	NC_021166.1	Ca_kabuli_chr07	20278027	AA	GG	1940404890
SNP_P1_142288_20287888	NC_021166.1	Ca_kabuli_chr07	20287888	AA	GG	1940404892
SNP_P1_142289_20295144	NC_021166.1	Ca_kabuli_chr07	20295144	CC	TT	1940404894
SNP_P1_142290_20298160	NC_021166.1	Ca_kabuli_chr07	20298160	GG	TT	1940404895
SNP_P1_142292_20301470	NC_021166.1	Ca_kabuli_chr07	20301470	TT	CC	1940404897
SNP_P1_142293_20321678	NC_021166.1	Ca_kabuli_chr07	20321678	CC	AA	1940404899
SNP_P1_142296_20331829	NC_021166.1	Ca_kabuli_chr07	20331829	CC	AA	1940404901
SNP_P1_142297_20332085	NC_021166.1	Ca_kabuli_chr07	20332085	TT	CC	1940404903
SNP_P1_142298_20332109	NC_021166.1	Ca_kabuli_chr07	20332109	AA	TT	1940404904
SNP_P1_142301_20358954	NC_021166.1	Ca_kabuli_chr07	20358954	TT	CC	1940404906
SNP_P1_142303_20359978	NC_021166.1	Ca_kabuli_chr07	20359978	TT	CC	1940404908
SNP_P1_142304_20363205	NC_021166.1	Ca_kabuli_chr07	20363205	TT	CC	1940404910
SNP_P1_142305_20371532	NC_021166.1	Ca_kabuli_chr07	20371532	CC	AA	1940404911
SNP_P1_142306_20390273	NC_021166.1	Ca_kabuli_chr07	20390273	TT	CC	1940404913
SNP_P1_142307_20403054	NC_021166.1	Ca_kabuli_chr07	20403054	TT	CC	1940404915
SNP_P1_142308_20403063	NC_021166.1	Ca_kabuli_chr07	20403063	TT	AA	1940404917
SNP_P1_142309_20403082	NC_021166.1	Ca_kabuli_chr07	20403082	AA	GG	1940404919
SNP_P1_142310_20406078	NC_021166.1	Ca_kabuli_chr07	20406078	AA	CC	1940404920
SNP_P1_142312_20411953	NC_021166.1	Ca_kabuli_chr07	20411953	AA	TT	1940404922
SNP_P1_142313_20413037	NC_021166.1	Ca_kabuli_chr07	20413037	AA	GG	1940404924
SNP_P1_142315_20434892	NC_021166.1	Ca_kabuli_chr07	20434892	GG	AA	1940404926
SNP_P1_142317_20441565	NC_021166.1	Ca_kabuli_chr07	20441565	GG	AA	1940404928
SNP_P1_142318_20441573	NC_021166.1	Ca_kabuli_chr07	20441573	CC	TT	1940404929
SNP_P1_142319_20441589	NC_021166.1	Ca_kabuli_chr07	20441589	GG	AA	1940404931
SNP_P1_142320_20441606	NC_021166.1	Ca_kabuli_chr07	20441606	TT	CC	1940404933

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142322_20441731	NC_021166.1	Ca_kabuli_chr07	20441731	AA	GG	1940404937
SNP_P1_142323_20441775	NC_021166.1	Ca_kabuli_chr07	20441775	CC	TT	1940404938
SNP_P1_142324_20441822	NC_021166.1	Ca_kabuli_chr07	20441822	CC	TT	1940404940
SNP_P1_142325_20441870	NC_021166.1	Ca_kabuli_chr07	20441870	GG	TT	1940404942
SNP_P1_142326_20443467	NC_021166.1	Ca_kabuli_chr07	20443467	AA	GG	1940404944
SNP_P1_142327_20443613	NC_021166.1	Ca_kabuli_chr07	20443613	GG	AA	1940404946
SNP_P1_142328_20443649	NC_021166.1	Ca_kabuli_chr07	20443649	GG	AA	1940404947
SNP_P1_142329_20446635	NC_021166.1	Ca_kabuli_chr07	20446635	GG	TT	1940404949
SNP_P1_142330_20446637	NC_021166.1	Ca_kabuli_chr07	20446637	TT	CC	1940404951
SNP_P1_142331_20446638	NC_021166.1	Ca_kabuli_chr07	20446638	GG	AA	1940404953
SNP_P1_142333_20450669	NC_021166.1	Ca_kabuli_chr07	20450669	TT	CC	1940404955
SNP_P1_142335_20450725	NC_021166.1	Ca_kabuli_chr07	20450725	AA	GG	1940404956
SNP_P1_142336_20450957	NC_021166.1	Ca_kabuli_chr07	20450957	AA	GG	1940404958
SNP_P1_142337_20450960	NC_021166.1	Ca_kabuli_chr07	20450960	TT	CC	1940404960
SNP_P1_142338_20450966	NC_021166.1	Ca_kabuli_chr07	20450966	TT	GG	1940404962
SNP_P1_142339_20450987	NC_021166.1	Ca_kabuli_chr07	20450987	GG	TT	1940404963
SNP_P1_142341_20451060	NC_021166.1	Ca_kabuli_chr07	20451060	AA	TT	1940404965
SNP_P1_142342_20451199	NC_021166.1	Ca_kabuli_chr07	20451199	AA	TT	1940404967
SNP_P1_142343_20451200	NC_021166.1	Ca_kabuli_chr07	20451200	AA	TT	1940404969
SNP_P1_142345_20451441	NC_021166.1	Ca_kabuli_chr07	20451441	TT	CC	1940404971
SNP_P1_142346_20452120	NC_021166.1	Ca_kabuli_chr07	20452120	CC	AA	1940404972
SNP_P1_142347_20452122	NC_021166.1	Ca_kabuli_chr07	20452122	AA	CC	1940404974
SNP_P1_142348_20452945	NC_021166.1	Ca_kabuli_chr07	20452945	AA	GG	1940404976
SNP_P1_142349_20453599	NC_021166.1	Ca_kabuli_chr07	20453599	GG	CC	1940404978
SNP_P1_142350_20453601	NC_021166.1	Ca_kabuli_chr07	20453601	CC	AA	1940404980
SNP_P1_142351_20454275	NC_021166.1	Ca_kabuli_chr07	20454275	GG	TT	1940404981
SNP_P1_142352_20454972	NC_021166.1	Ca_kabuli_chr07	20454972	TT	CC	1940404983
SNP_P1_142353_20455253	NC_021166.1	Ca_kabuli_chr07	20455253	CC	AA	1940404985
SNP_P1_142354_20455673	NC_021166.1	Ca_kabuli_chr07	20455673	GG	CC	1940404987
SNP_P1_142356_20457563	NC_021166.1	Ca_kabuli_chr07	20457563	AA	TT	1940404989
SNP_P1_142357_20458155	NC_021166.1	Ca_kabuli_chr07	20458155	TT	CC	1940404990
SNP_P1_142358_20458307	NC_021166.1	Ca_kabuli_chr07	20458307	TT	CC	1940404992
SNP_P1_142359_20463294	NC_021166.1	Ca_kabuli_chr07	20463294	CC	TT	1940404994
SNP_P1_142360_20463313	NC_021166.1	Ca_kabuli_chr07	20463313	GG	TT	1940404996
SNP_P1_142361_20463315	NC_021166.1	Ca_kabuli_chr07	20463315	TT	CC	1940404998
SNP_P1_142362_20463389	NC_021166.1	Ca_kabuli_chr07	20463389	AA	GG	1940404999
SNP_P1_142363_20463398	NC_021166.1	Ca_kabuli_chr07	20463398	AA	GG	1940405001
SNP_P1_142364_20463456	NC_021166.1	Ca_kabuli_chr07	20463456	TT	GG	1940405003
SNP_P1_142365_20463608	NC_021166.1	Ca_kabuli_chr07	20463608	CC	GG	1940405005
SNP_P1_142366_20463810	NC_021166.1	Ca_kabuli_chr07	20463810	CC	TT	1940405006
SNP_P1_142367_20463874	NC_021166.1	Ca_kabuli_chr07	20463874	CC	TT	1940405008

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142369_20464003	NC_021166.1	Ca_kabuli_chr07	20464003	AA	CC	1940405012
SNP_P1_142370_20464011	NC_021166.1	Ca_kabuli_chr07	20464011	CC	TT	1940405014
SNP_P1_142371_20464026	NC_021166.1	Ca_kabuli_chr07	20464026	AA	GG	1940405015
SNP_P1_142372_20464170	NC_021166.1	Ca_kabuli_chr07	20464170	TT	CC	1940405017
SNP_P1_142373_20464228	NC_021166.1	Ca_kabuli_chr07	20464228	AA	TT	1940405019
SNP_P1_142374_20475135	NC_021166.1	Ca_kabuli_chr07	20475135	GG	AA	1940405021
SNP_P1_142375_20476776	NC_021166.1	Ca_kabuli_chr07	20476776	TT	CC	1940405023
SNP_P1_142376_20476952	NC_021166.1	Ca_kabuli_chr07	20476952	GG	AA	1940405024
SNP_P1_142380_20480265	NC_021166.1	Ca_kabuli_chr07	20480265	GG	TT	1940405026
SNP_P1_142381_20480473	NC_021166.1	Ca_kabuli_chr07	20480473	AA	TT	1940405028
SNP_P1_142382_20480901	NC_021166.1	Ca_kabuli_chr07	20480901	GG	AA	1940405030
SNP_P1_142383_20482024	NC_021166.1	Ca_kabuli_chr07	20482024	GG	TT	1940405032
SNP_P1_142384_20482608	NC_021166.1	Ca_kabuli_chr07	20482608	GG	AA	1940405033
SNP_P1_142385_20483619	NC_021166.1	Ca_kabuli_chr07	20483619	AA	GG	1940405035
SNP_P1_142386_20483649	NC_021166.1	Ca_kabuli_chr07	20483649	CC	AA	1940405037
SNP_P1_142387_20483651	NC_021166.1	Ca_kabuli_chr07	20483651	AA	TT	1940405039
SNP_P1_142388_20484472	NC_021166.1	Ca_kabuli_chr07	20484472	GG	TT	1940405041
SNP_P1_142391_20485171	NC_021166.1	Ca_kabuli_chr07	20485171	GG	TT	1940405042
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SNP_P1_142395_20489671	NC_021166.1	Ca_kabuli_chr07	20489671	GG	AA	1940405046
SNP_P1_142396_20493285	NC_021166.1	Ca_kabuli_chr07	20493285	CC	TT	1940405048
SNP_P1_142398_20494680	NC_021166.1	Ca_kabuli_chr07	20494680	CC	GG	1940405049
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SNP_P1_142400_20495317	NC_021166.1	Ca_kabuli_chr07	20495317	GG	AA	1940405053
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SNP_P1_142403_20495766	NC_021166.1	Ca_kabuli_chr07	20495766	CC	TT	1940405057
SNP_P1_142404_20496378	NC_021166.1	Ca_kabuli_chr07	20496378	AA	GG	1940405058
SNP_P1_142405_20496513	NC_021166.1	Ca_kabuli_chr07	20496513	AA	GG	1940405060
SNP_P1_142406_20496693	NC_021166.1	Ca_kabuli_chr07	20496693	AA	GG	1940405062
SNP_P1_142407_20496739	NC_021166.1	Ca_kabuli_chr07	20496739	GG	CC	1940405064
SNP_P1_142408_20497039	NC_021166.1	Ca_kabuli_chr07	20497039	AA	CC	1940405066
SNP_P1_142409_20497126	NC_021166.1	Ca_kabuli_chr07	20497126	TT	AA	1940405067
SNP_P1_142412_20499360	NC_021166.1	Ca_kabuli_chr07	20499360	CC	GG	1940405069
SNP_P1_142413_20500591	NC_021166.1	Ca_kabuli_chr07	20500591	TT	AA	1940405071
SNP_P1_142415_20500662	NC_021166.1	Ca_kabuli_chr07	20500662	CC	TT	1940405073
SNP_P1_142416_20500706	NC_021166.1	Ca_kabuli_chr07	20500706	AA	GG	1940405075
SNP_P1_142417_20500754	NC_021166.1	Ca_kabuli_chr07	20500754	AA	GG	1940405076
SNP_P1_142418_20500755	NC_021166.1	Ca_kabuli_chr07	20500755	TT	CC	1940405078
SNP_P1_142419_20501364	NC_021166.1	Ca_kabuli_chr07	20501364	GG	TT	1940405080
SNP_P1_142421_20501456	NC_021166.1	Ca_kabuli_chr07	20501456	AA	GG	1940405082
SNP_P1_142422_20501478	NC_021166.1	Ca_kabuli_chr07	20501478	GG	TT	1940405084

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142426_20502237	NC_021166.1	Ca_kabuli_chr07	20502237	CC	TT	1940405089
SNP_P1_142427_20502245	NC_021166.1	Ca_kabuli_chr07	20502245	CC	GG	1940405091
SNP_P1_142428_20502263	NC_021166.1	Ca_kabuli_chr07	20502263	GG	AA	1940405093
SNP_P1_142430_20502435	NC_021166.1	Ca_kabuli_chr07	20502435	CC	TT	1940405094
SNP_P1_142431_20502442	NC_021166.1	Ca_kabuli_chr07	20502442	GG	AA	1940405096
SNP_P1_142433_20503371	NC_021166.1	Ca_kabuli_chr07	20503371	CC	AA	1940405098
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SNP_P1_142436_20503600	NC_021166.1	Ca_kabuli_chr07	20503600	GG	AA	1940405101
SNP_P1_142437_20503667	NC_021166.1	Ca_kabuli_chr07	20503667	TT	AA	1940405103
SNP_P1_142439_20503806	NC_021166.1	Ca_kabuli_chr07	20503806	AA	CC	1940405105
SNP_P1_142441_20505235	NC_021166.1	Ca_kabuli_chr07	20505235	GG	TT	1940405107
SNP_P1_142443_20505796	NC_021166.1	Ca_kabuli_chr07	20505796	AA	CC	1940405109
SNP_P1_142445_20505874	NC_021166.1	Ca_kabuli_chr07	20505874	AA	GG	1940405110
SNP_P1_142448_20505996	NC_021166.1	Ca_kabuli_chr07	20505996	TT	CC	1940405112
SNP_P1_142449_20506286	NC_021166.1	Ca_kabuli_chr07	20506286	CC	TT	1940405114
SNP_P1_142450_20506353	NC_021166.1	Ca_kabuli_chr07	20506353	CC	TT	1940405116
SNP_P1_142451_20506476	NC_021166.1	Ca_kabuli_chr07	20506476	TT	AA	1940405118
SNP_P1_142452_20506664	NC_021166.1	Ca_kabuli_chr07	20506664	TT	AA	1940405119
SNP_P1_142453_20507701	NC_021166.1	Ca_kabuli_chr07	20507701	TT	CC	1940405121
SNP_P1_142454_20507703	NC_021166.1	Ca_kabuli_chr07	20507703	TT	CC	1940405123
SNP_P1_142455_20508004	NC_021166.1	Ca_kabuli_chr07	20508004	AA	GG	1940405125
SNP_P1_142456_20508155	NC_021166.1	Ca_kabuli_chr07	20508155	CC	TT	1940405127
SNP_P1_142458_20508425	NC_021166.1	Ca_kabuli_chr07	20508425	CC	GG	1940405128
SNP_P1_142460_20509135	NC_021166.1	Ca_kabuli_chr07	20509135	CC	TT	1940405130
SNP_P1_142461_20509143	NC_021166.1	Ca_kabuli_chr07	20509143	GG	CC	1940405132
SNP_P1_142462_20509156	NC_021166.1	Ca_kabuli_chr07	20509156	GG	AA	1940405134
SNP_P1_142464_20510103	NC_021166.1	Ca_kabuli_chr07	20510103	CC	GG	1940405136
SNP_P1_142467_20510195	NC_021166.1	Ca_kabuli_chr07	20510195	AA	CC	1940405137
SNP_P1_142470_20510837	NC_021166.1	Ca_kabuli_chr07	20510837	GG	TT	1940405139
SNP_P1_142472_20514660	NC_021166.1	Ca_kabuli_chr07	20514660	AA	TT	1940405141
SNP_P1_142473_20514912	NC_021166.1	Ca_kabuli_chr07	20514912	TT	CC	1940405143
SNP_P1_142474_20515555	NC_021166.1	Ca_kabuli_chr07	20515555	GG	AA	1940405144
SNP_P1_142475_20516084	NC_021166.1	Ca_kabuli_chr07	20516084	GG	AA	1940405146
SNP_P1_142477_20517119	NC_021166.1	Ca_kabuli_chr07	20517119	TT	CC	1940405148
SNP_P1_142482_20518523	NC_021166.1	Ca_kabuli_chr07	20518523	TT	CC	1940405150
SNP_P1_142483_20518573	NC_021166.1	Ca_kabuli_chr07	20518573	TT	CC	1940405152
SNP_P1_142484_20520056	NC_021166.1	Ca_kabuli_chr07	20520056	AA	TT	1940405153
SNP_P1_142485_20520770	NC_021166.1	Ca_kabuli_chr07	20520770	AA	GG	1940405155
SNP_P1_142486_20521507	NC_021166.1	Ca_kabuli_chr07	20521507	GG	TT	1940405157
SNP_P1_142487_20522303	NC_021166.1	Ca_kabuli_chr07	20522303	AA	GG	1940405159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142489_20523797	NC_021166.1	Ca_kabuli_chr07	20523797	TT	CC	1940405162
SNP_P1_142490_20524546	NC_021166.1	Ca_kabuli_chr07	20524546	GG	AA	1940405164
SNP_P1_142491_20524547	NC_021166.1	Ca_kabuli_chr07	20524547	TT	AA	1940405166
SNP_P1_142492_20525726	NC_021166.1	Ca_kabuli_chr07	20525726	TT	CC	1940405168
SNP_P1_142493_20527823	NC_021166.1	Ca_kabuli_chr07	20527823	AA	GG	1940405170
SNP_P1_142494_20529180	NC_021166.1	Ca_kabuli_chr07	20529180	CC	AA	1940405171
SNP_P1_142495_20529196	NC_021166.1	Ca_kabuli_chr07	20529196	CC	AA	1940405173
SNP_P1_142497_20532401	NC_021166.1	Ca_kabuli_chr07	20532401	GG	AA	1940405175
SNP_P1_142499_20532571	NC_021166.1	Ca_kabuli_chr07	20532571	TT	AA	1940405177
SNP_P1_142500_20532607	NC_021166.1	Ca_kabuli_chr07	20532607	TT	AA	1940405179
SNP_P1_142501_20533938	NC_021166.1	Ca_kabuli_chr07	20533938	GG	CC	1940405180
SNP_P1_142502_20534300	NC_021166.1	Ca_kabuli_chr07	20534300	CC	TT	1940405182
SNP_P1_142503_20534365	NC_021166.1	Ca_kabuli_chr07	20534365	TT	CC	1940405184
SNP_P1_142504_20534371	NC_021166.1	Ca_kabuli_chr07	20534371	CC	TT	1940405186
SNP_P1_142505_20534676	NC_021166.1	Ca_kabuli_chr07	20534676	GG	AA	1940405187
SNP_P1_142506_20534689	NC_021166.1	Ca_kabuli_chr07	20534689	TT	GG	1940405189
SNP_P1_142507_20534715	NC_021166.1	Ca_kabuli_chr07	20534715	AA	GG	1940405191
SNP_P1_142508_20534719	NC_021166.1	Ca_kabuli_chr07	20534719	AA	GG	1940405193
SNP_P1_142509_20534720	NC_021166.1	Ca_kabuli_chr07	20534720	TT	CC	1940405195
SNP_P1_142510_20534786	NC_021166.1	Ca_kabuli_chr07	20534786	GG	CC	1940405196
SNP_P1_142511_20535033	NC_021166.1	Ca_kabuli_chr07	20535033	CC	TT	1940405198
SNP_P1_142512_20535227	NC_021166.1	Ca_kabuli_chr07	20535227	GG	AA	1940405200
SNP_P1_142513_20536046	NC_021166.1	Ca_kabuli_chr07	20536046	AA	GG	1940405202
SNP_P1_142514_20536056	NC_021166.1	Ca_kabuli_chr07	20536056	AA	GG	1940405204
SNP_P1_142515_20536255	NC_021166.1	Ca_kabuli_chr07	20536255	GG	AA	1940405205
SNP_P1_142517_20536283	NC_021166.1	Ca_kabuli_chr07	20536283	CC	TT	1940405207
SNP_P1_142518_20536399	NC_021166.1	Ca_kabuli_chr07	20536399	TT	CC	1940405209
SNP_P1_142519_20538007	NC_021166.1	Ca_kabuli_chr07	20538007	CC	TT	1940405211
SNP_P1_142520_20538526	NC_021166.1	Ca_kabuli_chr07	20538526	TT	CC	1940405213
SNP_P1_142521_20538534	NC_021166.1	Ca_kabuli_chr07	20538534	AA	GG	1940405214
SNP_P1_142522_20538813	NC_021166.1	Ca_kabuli_chr07	20538813	GG	AA	1940405216
SNP_P1_142524_20538966	NC_021166.1	Ca_kabuli_chr07	20538966	CC	TT	1940405218
SNP_P1_142526_20539373	NC_021166.1	Ca_kabuli_chr07	20539373	AA	GG	1940405220
SNP_P1_142528_20540111	NC_021166.1	Ca_kabuli_chr07	20540111	AA	GG	1940405222
SNP_P1_142529_20543694	NC_021166.1	Ca_kabuli_chr07	20543694	GG	AA	1940405223
SNP_P1_142530_20545134	NC_021166.1	Ca_kabuli_chr07	20545134	TT	CC	1940405225
SNP_P1_142531_20545373	NC_021166.1	Ca_kabuli_chr07	20545373	TT	GG	1940405227
SNP_P1_142532_20545520	NC_021166.1	Ca_kabuli_chr07	20545520	GG	AA	1940405229
SNP_P1_142533_20545541	NC_021166.1	Ca_kabuli_chr07	20545541	AA	TT	1940405230
SNP_P1_142534_20548023	NC_021166.1	Ca_kabuli_chr07	20548023	TT	GG	1940405232
SNP_P1_142535_20548056	NC_021166.1	Ca_kabuli_chr07	20548056	AA	CC	1940405234

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142537_20548234	NC_021166.1	Ca_kabuli_chr07	20548234	TT	CC	1940405238
SNP_P1_142538_20548241	NC_021166.1	Ca_kabuli_chr07	20548241	CC	TT	1940405239
SNP_P1_142539_20548243	NC_021166.1	Ca_kabuli_chr07	20548243	CC	TT	1940405241
SNP_P1_142540_20548545	NC_021166.1	Ca_kabuli_chr07	20548545	AA	GG	1940405243
SNP_P1_142541_20552433	NC_021166.1	Ca_kabuli_chr07	20552433	TT	GG	1940405245
SNP_P1_142542_20552473	NC_021166.1	Ca_kabuli_chr07	20552473	TT	AA	1940405247
SNP_P1_142543_20554045	NC_021166.1	Ca_kabuli_chr07	20554045	TT	AA	1940405248
SNP_P1_142544_20554056	NC_021166.1	Ca_kabuli_chr07	20554056	AA	GG	1940405250
SNP_P1_142546_20554471	NC_021166.1	Ca_kabuli_chr07	20554471	AA	CC	1940405252
SNP_P1_142548_20554891	NC_021166.1	Ca_kabuli_chr07	20554891	GG	AA	1940405254
SNP_P1_142549_20554898	NC_021166.1	Ca_kabuli_chr07	20554898	GG	CC	1940405256
SNP_P1_142550_20554906	NC_021166.1	Ca_kabuli_chr07	20554906	CC	GG	1940405257
SNP_P1_142551_20555103	NC_021166.1	Ca_kabuli_chr07	20555103	GG	AA	1940405259
SNP_P1_142552_20555372	NC_021166.1	Ca_kabuli_chr07	20555372	CC	TT	1940405261
SNP_P1_142553_20556239	NC_021166.1	Ca_kabuli_chr07	20556239	GG	TT	1940405263
SNP_P1_142555_20557365	NC_021166.1	Ca_kabuli_chr07	20557365	CC	AA	1940405265
SNP_P1_142556_20558477	NC_021166.1	Ca_kabuli_chr07	20558477	TT	CC	1940405266
SNP_P1_142557_20558639	NC_021166.1	Ca_kabuli_chr07	20558639	TT	GG	1940405268
SNP_P1_142558_20558871	NC_021166.1	Ca_kabuli_chr07	20558871	CC	AA	1940405270
SNP_P1_142559_20559080	NC_021166.1	Ca_kabuli_chr07	20559080	GG	AA	1940405272
SNP_P1_142560_20559775	NC_021166.1	Ca_kabuli_chr07	20559775	TT	AA	1940405273
SNP_P1_142561_20559846	NC_021166.1	Ca_kabuli_chr07	20559846	TT	CC	1940405275
SNP_P1_142562_20559886	NC_021166.1	Ca_kabuli_chr07	20559886	GG	AA	1940405277
SNP_P1_142563_20559935	NC_021166.1	Ca_kabuli_chr07	20559935	GG	TT	1940405279
SNP_P1_142564_20559943	NC_021166.1	Ca_kabuli_chr07	20559943	CC	TT	1940405281
SNP_P1_142565_20559950	NC_021166.1	Ca_kabuli_chr07	20559950	TT	AA	1940405282
SNP_P1_142566_20559976	NC_021166.1	Ca_kabuli_chr07	20559976	AA	GG	1940405284
SNP_P1_142567_20560019	NC_021166.1	Ca_kabuli_chr07	20560019	CC	TT	1940405286
SNP_P1_142568_20560046	NC_021166.1	Ca_kabuli_chr07	20560046	TT	CC	1940405288
SNP_P1_142570_20560243	NC_021166.1	Ca_kabuli_chr07	20560243	GG	AA	1940405290
SNP_P1_142571_20560672	NC_021166.1	Ca_kabuli_chr07	20560672	TT	CC	1940405291
SNP_P1_142572_20560675	NC_021166.1	Ca_kabuli_chr07	20560675	TT	CC	1940405293
SNP_P1_142573_20561058	NC_021166.1	Ca_kabuli_chr07	20561058	AA	GG	1940405295
SNP_P1_142574_20561074	NC_021166.1	Ca_kabuli_chr07	20561074	TT	CC	1940405297
SNP_P1_142575_20561115	NC_021166.1	Ca_kabuli_chr07	20561115	AA	GG	1940405299
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SNP_P1_142577_20561128	NC_021166.1	Ca_kabuli_chr07	20561128	AA	GG	1940405302
SNP_P1_142578_20561145	NC_021166.1	Ca_kabuli_chr07	20561145	GG	AA	1940405304
SNP_P1_142579_20561562	NC_021166.1	Ca_kabuli_chr07	20561562	GG	AA	1940405306
SNP_P1_142580_20562963	NC_021166.1	Ca_kabuli_chr07	20562963	AA	GG	1940405308
SNP_P1_142581_20564968	NC_021166.1	Ca_kabuli_chr07	20564968	GG	CC	1940405309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142583_20566033	NC_021166.1	Ca_kabuli_chr07	20566033	GG	CC	1940405313
SNP_P1_142584_20566034	NC_021166.1	Ca_kabuli_chr07	20566034	AA	TT	1940405315
SNP_P1_142587_20566843	NC_021166.1	Ca_kabuli_chr07	20566843	GG	TT	1940405317
SNP_P1_142588_20567192	NC_021166.1	Ca_kabuli_chr07	20567192	AA	CC	1940405318
SNP_P1_142589_20568287	NC_021166.1	Ca_kabuli_chr07	20568287	TT	AA	1940405320
SNP_P1_142590_20569386	NC_021166.1	Ca_kabuli_chr07	20569386	GG	TT	1940405322
SNP_P1_142591_20569398	NC_021166.1	Ca_kabuli_chr07	20569398	TT	AA	1940405324
SNP_P1_142593_20570432	NC_021166.1	Ca_kabuli_chr07	20570432	GG	AA	1940405325
SNP_P1_142594_20571077	NC_021166.1	Ca_kabuli_chr07	20571077	AA	TT	1940405327
SNP_P1_142595_20571215	NC_021166.1	Ca_kabuli_chr07	20571215	AA	GG	1940405329
SNP_P1_142597_20572586	NC_021166.1	Ca_kabuli_chr07	20572586	TT	CC	1940405331
SNP_P1_142599_20574691	NC_021166.1	Ca_kabuli_chr07	20574691	GG	TT	1940405333
SNP_P1_142600_20574846	NC_021166.1	Ca_kabuli_chr07	20574846	TT	CC	1940405334
SNP_P1_142601_20575014	NC_021166.1	Ca_kabuli_chr07	20575014	AA	TT	1940405336
SNP_P1_142602_20575128	NC_021166.1	Ca_kabuli_chr07	20575128	GG	AA	1940405338
SNP_P1_142604_20575375	NC_021166.1	Ca_kabuli_chr07	20575375	CC	TT	1940405340
SNP_P1_142605_20575380	NC_021166.1	Ca_kabuli_chr07	20575380	GG	AA	1940405342
SNP_P1_142606_20575389	NC_021166.1	Ca_kabuli_chr07	20575389	GG	AA	1940405343
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SNP_P1_142610_20576669	NC_021166.1	Ca_kabuli_chr07	20576669	GG	CC	1940405351
SNP_P1_142612_20577168	NC_021166.1	Ca_kabuli_chr07	20577168	CC	TT	1940405352
SNP_P1_142613_20577296	NC_021166.1	Ca_kabuli_chr07	20577296	TT	CC	1940405354
SNP_P1_142614_20577961	NC_021166.1	Ca_kabuli_chr07	20577961	TT	AA	1940405356
SNP_P1_142615_20578166	NC_021166.1	Ca_kabuli_chr07	20578166	AA	TT	1940405358
SNP_P1_142616_20578245	NC_021166.1	Ca_kabuli_chr07	20578245	AA	GG	1940405360
SNP_P1_142617_20578274	NC_021166.1	Ca_kabuli_chr07	20578274	GG	AA	1940405361
SNP_P1_142618_20578293	NC_021166.1	Ca_kabuli_chr07	20578293	GG	AA	1940405363
SNP_P1_142619_20578296	NC_021166.1	Ca_kabuli_chr07	20578296	GG	CC	1940405365
SNP_P1_142620_20578299	NC_021166.1	Ca_kabuli_chr07	20578299	GG	AA	1940405367
SNP_P1_142621_20578305	NC_021166.1	Ca_kabuli_chr07	20578305	GG	TT	1940405369
SNP_P1_142622_20578310	NC_021166.1	Ca_kabuli_chr07	20578310	TT	CC	1940405370
SNP_P1_142623_20578424	NC_021166.1	Ca_kabuli_chr07	20578424	GG	AA	1940405372
SNP_P1_142624_20578436	NC_021166.1	Ca_kabuli_chr07	20578436	TT	CC	1940405374
SNP_P1_142625_20578476	NC_021166.1	Ca_kabuli_chr07	20578476	CC	GG	1940405376
SNP_P1_142626_20578485	NC_021166.1	Ca_kabuli_chr07	20578485	CC	TT	1940405377
SNP_P1_142627_20578543	NC_021166.1	Ca_kabuli_chr07	20578543	TT	GG	1940405379
SNP_P1_142628_20578566	NC_021166.1	Ca_kabuli_chr07	20578566	CC	TT	1940405381
SNP_P1_142630_20578870	NC_021166.1	Ca_kabuli_chr07	20578870	AA	GG	1940405383
SNP_P1_142631_20593218	NC_021166.1	Ca_kabuli_chr07	20593218	AA	CC	1940405385

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142634_20593489	NC_021166.1	Ca_kabuli_chr07	20593489	CC	TT	1940405390
SNP_P1_142635_20593723	NC_021166.1	Ca_kabuli_chr07	20593723	GG	TT	1940405392
SNP_P1_142636_20594328	NC_021166.1	Ca_kabuli_chr07	20594328	CC	TT	1940405394
SNP_P1_142637_20594534	NC_021166.1	Ca_kabuli_chr07	20594534	AA	GG	1940405395
SNP_P1_142638_20594543	NC_021166.1	Ca_kabuli_chr07	20594543	AA	GG	1940405397
SNP_P1_142640_20594927	NC_021166.1	Ca_kabuli_chr07	20594927	AA	TT	1940405399
SNP_P1_142641_20595053	NC_021166.1	Ca_kabuli_chr07	20595053	CC	TT	1940405401
SNP_P1_142642_20595724	NC_021166.1	Ca_kabuli_chr07	20595724	GG	CC	1940405403
SNP_P1_142643_20596244	NC_021166.1	Ca_kabuli_chr07	20596244	CC	TT	1940405404
SNP_P1_142645_20597619	NC_021166.1	Ca_kabuli_chr07	20597619	AA	GG	1940405406
SNP_P1_142646_20598052	NC_021166.1	Ca_kabuli_chr07	20598052	AA	GG	1940405408
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SNP_P1_142649_20600832	NC_021166.1	Ca_kabuli_chr07	20600832	GG	CC	1940405412
SNP_P1_142653_20601300	NC_021166.1	Ca_kabuli_chr07	20601300	TT	CC	1940405413
SNP_P1_142654_20603589	NC_021166.1	Ca_kabuli_chr07	20603589	GG	TT	1940405415
SNP_P1_142655_20603591	NC_021166.1	Ca_kabuli_chr07	20603591	CC	GG	1940405417
SNP_P1_142656_20604002	NC_021166.1	Ca_kabuli_chr07	20604002	GG	AA	1940405419
SNP_P1_142658_20605358	NC_021166.1	Ca_kabuli_chr07	20605358	CC	TT	1940405421
SNP_P1_142659_20606213	NC_021166.1	Ca_kabuli_chr07	20606213	CC	TT	1940405422
SNP_P1_142660_20606634	NC_021166.1	Ca_kabuli_chr07	20606634	CC	TT	1940405424
SNP_P1_142661_20606889	NC_021166.1	Ca_kabuli_chr07	20606889	AA	CC	1940405426
SNP_P1_142663_20610549	NC_021166.1	Ca_kabuli_chr07	20610549	TT	AA	1940405428
SNP_P1_142664_20610732	NC_021166.1	Ca_kabuli_chr07	20610732	TT	GG	1940405429
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SNP_P1_142669_20614797	NC_021166.1	Ca_kabuli_chr07	20614797	CC	TT	1940405437
SNP_P1_142670_20614943	NC_021166.1	Ca_kabuli_chr07	20614943	AA	GG	1940405438
SNP_P1_142671_20616625	NC_021166.1	Ca_kabuli_chr07	20616625	AA	TT	1940405440
SNP_P1_142672_20616709	NC_021166.1	Ca_kabuli_chr07	20616709	TT	CC	1940405442
SNP_P1_142674_20616967	NC_021166.1	Ca_kabuli_chr07	20616967	GG	AA	1940405444
SNP_P1_142675_20617009	NC_021166.1	Ca_kabuli_chr07	20617009	TT	AA	1940405446
SNP_P1_142676_20617107	NC_021166.1	Ca_kabuli_chr07	20617107	AA	GG	1940405447
SNP_P1_142677_20617116	NC_021166.1	Ca_kabuli_chr07	20617116	TT	AA	1940405449
SNP_P1_142678_20617121	NC_021166.1	Ca_kabuli_chr07	20617121	TT	CC	1940405451
SNP_P1_142679_20617280	NC_021166.1	Ca_kabuli_chr07	20617280	TT	GG	1940405453
SNP_P1_142680_20617324	NC_021166.1	Ca_kabuli_chr07	20617324	AA	GG	1940405455
SNP_P1_142681_20617446	NC_021166.1	Ca_kabuli_chr07	20617446	CC	TT	1940405456
SNP_P1_142682_20617458	NC_021166.1	Ca_kabuli_chr07	20617458	TT	CC	1940405458
SNP_P1_142683_20617460	NC_021166.1	Ca_kabuli_chr07	20617460	TT	CC	1940405460

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_142684_20617658	NC_021166.1	Ca_kabuli_chr07	20617658	AA	GG	1940405462
SNP_P1_142685_20617670	NC_021166.1	Ca_kabuli_chr07	20617670	TT	CC	1940405464
SNP_P1_142686_20617701	NC_021166.1	Ca_kabuli_chr07	20617701	GG	AA	1940405465
SNP_P1_142688_20617924	NC_021166.1	Ca_kabuli_chr07	20617924	GG	AA	1940405467
SNP_P1_142689_20617930	NC_021166.1	Ca_kabuli_chr07	20617930	TT	GG	1940405469
SNP_P1_142692_20619840	NC_021166.1	Ca_kabuli_chr07	20619840	AA	GG	1940405471
SNP_P1_142693_20619874	NC_021166.1	Ca_kabuli_chr07	20619874	TT	CC	1940405472
SNP_P1_142694_20620617	NC_021166.1	Ca_kabuli_chr07	20620617	TT	CC	1940405474
SNP_P1_142695_20620699	NC_021166.1	Ca_kabuli_chr07	20620699	GG	AA	1940405476
SNP_P1_142696_20621251	NC_021166.1	Ca_kabuli_chr07	20621251	GG	AA	1940405478
SNP_P1_142697_20621642	NC_021166.1	Ca_kabuli_chr07	20621642	CC	TT	1940405480
SNP_P1_142698_20622558	NC_021166.1	Ca_kabuli_chr07	20622558	CC	AA	1940405481
SNP_P1_142699_20623152	NC_021166.1	Ca_kabuli_chr07	20623152	CC	AA	1940405483
SNP_P1_142702_20623488	NC_021166.1	Ca_kabuli_chr07	20623488	CC	TT	1940405485
SNP_P1_142704_20623795	NC_021166.1	Ca_kabuli_chr07	20623795	AA	CC	1940405487
SNP_P1_142705_20624998	NC_021166.1	Ca_kabuli_chr07	20624998	CC	TT	1940405489
SNP_P1_142706_20625442	NC_021166.1	Ca_kabuli_chr07	20625442	CC	TT	1940405490
SNP_P1_142707_20627037	NC_021166.1	Ca_kabuli_chr07	20627037	GG	AA	1940405492
SNP_P1_142708_20629158	NC_021166.1	Ca_kabuli_chr07	20629158	AA	TT	1940405494
SNP_P1_142710_20640858	NC_021166.1	Ca_kabuli_chr07	20640858	TT	GG	1940405496
SNP_P1_142712_20654328	NC_021166.1	Ca_kabuli_chr07	20654328	AA	GG	1940405498
SNP_P1_142713_20903418	NC_021166.1	Ca_kabuli_chr07	20903418	TT	CC	1940405499
SNP_P1_142714_20905188	NC_021166.1	Ca_kabuli_chr07	20905188	TT	CC	1940405501
SNP_P1_142715_20911112	NC_021166.1	Ca_kabuli_chr07	20911112	TT	CC	1940405503
SNP_P1_142716_20911132	NC_021166.1	Ca_kabuli_chr07	20911132	CC	TT	1940405505
SNP_P1_142717_20911312	NC_021166.1	Ca_kabuli_chr07	20911312	CC	TT	1940405506
SNP_P1_142718_20911341	NC_021166.1	Ca_kabuli_chr07	20911341	GG	AA	1940405508
SNP_P1_142719_20911355	NC_021166.1	Ca_kabuli_chr07	20911355	AA	CC	1940405510
SNP_P1_142720_20911365	NC_021166.1	Ca_kabuli_chr07	20911365	TT	CC	1940405512
SNP_P1_142721_20911372	NC_021166.1	Ca_kabuli_chr07	20911372	TT	CC	1940405514
SNP_P1_142722_20911391	NC_021166.1	Ca_kabuli_chr07	20911391	CC	TT	1940405515
SNP_P1_142723_20911420	NC_021166.1	Ca_kabuli_chr07	20911420	CC	TT	1940405517
SNP_P1_142724_20911491	NC_021166.1	Ca_kabuli_chr07	20911491	AA	GG	1940405519
SNP_P1_142725_20911497	NC_021166.1	Ca_kabuli_chr07	20911497	AA	GG	1940405521
SNP_P1_142726_20924080	NC_021166.1	Ca_kabuli_chr07	20924080	TT	CC	1940405523
SNP_P1_142727_20931898	NC_021166.1	Ca_kabuli_chr07	20931898	AA	GG	1940405524
SNP_P1_142728_20933871	NC_021166.1	Ca_kabuli_chr07	20933871	CC	TT	1940405526
SNP_P1_142729_20934755	NC_021166.1	Ca_kabuli_chr07	20934755	AA	CC	1940405528
SNP_P1_142730_20934756	NC_021166.1	Ca_kabuli_chr07	20934756	TT	AA	1940405530
SNP_P1_142733_20934900	NC_021166.1	Ca_kabuli_chr07	20934900	TT	CC	1940405532
SNP_P1_142734_20935186	NC_021166.1	Ca_kabuli_chr07	20935186	TT	AA	1940405533
SNP_P1_142735_20935245	NC_021166.1	Ca_kabuli_chr07	20935245	TT	GG	1940405535

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142738_20969199	NC_021166.1	Ca_kabuli_chr07	20969199	TT	CC	1940405539
SNP_P1_142740_20985359	NC_021166.1	Ca_kabuli_chr07	20985359	TT	CC	1940405541
SNP_P1_142741_20985389	NC_021166.1	Ca_kabuli_chr07	20985389	GG	CC	1940405542
SNP_P1_142742_20985391	NC_021166.1	Ca_kabuli_chr07	20985391	GG	AA	1940405544
SNP_P1_142743_20985406	NC_021166.1	Ca_kabuli_chr07	20985406	GG	AA	1940405546
SNP_P1_142744_20985412	NC_021166.1	Ca_kabuli_chr07	20985412	AA	GG	1940405548
SNP_P1_142745_20985426	NC_021166.1	Ca_kabuli_chr07	20985426	GG	AA	1940405550
SNP_P1_142746_20985430	NC_021166.1	Ca_kabuli_chr07	20985430	CC	TT	1940405551
SNP_P1_142747_20985460	NC_021166.1	Ca_kabuli_chr07	20985460	AA	GG	1940405553
SNP_P1_142748_20985497	NC_021166.1	Ca_kabuli_chr07	20985497	GG	AA	1940405555
SNP_P1_142749_20985582	NC_021166.1	Ca_kabuli_chr07	20985582	TT	CC	1940405557
SNP_P1_142750_20985726	NC_021166.1	Ca_kabuli_chr07	20985726	GG	TT	1940405558
SNP_P1_142751_20985872	NC_021166.1	Ca_kabuli_chr07	20985872	CC	GG	1940405560
SNP_P1_142752_20985893	NC_021166.1	Ca_kabuli_chr07	20985893	AA	GG	1940405562
SNP_P1_142753_20985906	NC_021166.1	Ca_kabuli_chr07	20985906	AA	GG	1940405564
SNP_P1_142754_20985921	NC_021166.1	Ca_kabuli_chr07	20985921	CC	TT	1940405566
SNP_P1_142755_20987896	NC_021166.1	Ca_kabuli_chr07	20987896	TT	GG	1940405567
SNP_P1_142757_21000362	NC_021166.1	Ca_kabuli_chr07	21000362	TT	CC	1940405569
SNP_P1_142758_21000364	NC_021166.1	Ca_kabuli_chr07	21000364	GG	AA	1940405571
SNP_P1_142759_21000376	NC_021166.1	Ca_kabuli_chr07	21000376	TT	CC	1940405573
SNP_P1_142760_21000468	NC_021166.1	Ca_kabuli_chr07	21000468	AA	GG	1940405575
SNP_P1_142761_21000848	NC_021166.1	Ca_kabuli_chr07	21000848	TT	CC	1940405576
SNP_P1_142762_21006986	NC_021166.1	Ca_kabuli_chr07	21006986	TT	GG	1940405578
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SNP_P1_142764_21012595	NC_021166.1	Ca_kabuli_chr07	21012595	CC	TT	1940405582
SNP_P1_142765_21012610	NC_021166.1	Ca_kabuli_chr07	21012610	CC	TT	1940405584
SNP_P1_142766_21012926	NC_021166.1	Ca_kabuli_chr07	21012926	AA	GG	1940405585
SNP_P1_142767_21012932	NC_021166.1	Ca_kabuli_chr07	21012932	AA	TT	1940405587
SNP_P1_142768_21012942	NC_021166.1	Ca_kabuli_chr07	21012942	TT	CC	1940405589
SNP_P1_142769_21013045	NC_021166.1	Ca_kabuli_chr07	21013045	TT	CC	1940405591
SNP_P1_142770_21020341	NC_021166.1	Ca_kabuli_chr07	21020341	AA	TT	1940405593
SNP_P1_142771_21023585	NC_021166.1	Ca_kabuli_chr07	21023585	GG	AA	1940405594
SNP_P1_142772_21042231	NC_021166.1	Ca_kabuli_chr07	21042231	AA	GG	1940405596
SNP_P1_142773_21043317	NC_021166.1	Ca_kabuli_chr07	21043317	AA	CC	1940405598
SNP_P1_142774_21043318	NC_021166.1	Ca_kabuli_chr07	21043318	TT	CC	1940405600
SNP_P1_142775_21049080	NC_021166.1	Ca_kabuli_chr07	21049080	AA	TT	1940405602
SNP_P1_142776_21053539	NC_021166.1	Ca_kabuli_chr07	21053539	TT	GG	1940405603
SNP_P1_142777_21053540	NC_021166.1	Ca_kabuli_chr07	21053540	TT	CC	1940405605
SNP_P1_142778_21059752	NC_021166.1	Ca_kabuli_chr07	21059752	GG	AA	1940405607
SNP_P1_142779_21069627	NC_021166.1	Ca_kabuli_chr07	21069627	AA	TT	1940405609
SNP_P1_142780_21087703	NC_021166.1	Ca_kabuli_chr07	21087703	GG	CC	1940405611

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_142781_21099419	NC_021166.1	Ca_kabuli_chr07	21099419	TT	GG	1940405612
SNP_P1_142782_21099422	NC_021166.1	Ca_kabuli_chr07	21099422	CC	TT	1940405614
SNP_P1_142783_21099434	NC_021166.1	Ca_kabuli_chr07	21099434	AA	CC	1940405616
SNP_P1_142784_21099443	NC_021166.1	Ca_kabuli_chr07	21099443	GG	AA	1940405618
SNP_P1_142785_21099449	NC_021166.1	Ca_kabuli_chr07	21099449	AA	GG	1940405620
SNP_P1_142786_21099468	NC_021166.1	Ca_kabuli_chr07	21099468	GG	CC	1940405621
SNP_P1_142787_21099495	NC_021166.1	Ca_kabuli_chr07	21099495	TT	AA	1940405623
SNP_P1_142788_21099497	NC_021166.1	Ca_kabuli_chr07	21099497	TT	CC	1940405625
SNP_P1_142789_21099505	NC_021166.1	Ca_kabuli_chr07	21099505	AA	CC	1940405627
SNP_P1_142790_21099591	NC_021166.1	Ca_kabuli_chr07	21099591	AA	GG	1940405629
SNP_P1_142791_21099683	NC_021166.1	Ca_kabuli_chr07	21099683	CC	TT	1940405630
SNP_P1_142792_21099718	NC_021166.1	Ca_kabuli_chr07	21099718	CC	TT	1940405632
SNP_P1_142794_21099782	NC_021166.1	Ca_kabuli_chr07	21099782	TT	GG	1940405634
SNP_P1_142795_21099792	NC_021166.1	Ca_kabuli_chr07	21099792	GG	TT	1940405636
SNP_P1_142796_21099977	NC_021166.1	Ca_kabuli_chr07	21099977	AA	CC	1940405637
SNP_P1_142797_21103362	NC_021166.1	Ca_kabuli_chr07	21103362	TT	AA	1940405639
SNP_P1_142798_21103458	NC_021166.1	Ca_kabuli_chr07	21103458	TT	CC	1940405641
SNP_P1_142799_21104850	NC_021166.1	Ca_kabuli_chr07	21104850	TT	GG	1940405643
SNP_P1_142800_21115200	NC_021166.1	Ca_kabuli_chr07	21115200	CC	TT	1940405645
SNP_P1_142801_21115307	NC_021166.1	Ca_kabuli_chr07	21115307	CC	AA	1940405646
SNP_P1_142802_21115347	NC_021166.1	Ca_kabuli_chr07	21115347	GG	TT	1940405648
SNP_P1_142805_21135314	NC_021166.1	Ca_kabuli_chr07	21135314	AA	GG	1940405650
SNP_P1_142806_21143529	NC_021166.1	Ca_kabuli_chr07	21143529	TT	CC	1940405652
SNP_P1_142807_21168768	NC_021166.1	Ca_kabuli_chr07	21168768	AA	CC	1940405654
SNP_P1_142811_21187889	NC_021166.1	Ca_kabuli_chr07	21187889	AA	TT	1940405655
SNP_P1_142812_21189605	NC_021166.1	Ca_kabuli_chr07	21189605	AA	GG	1940405657
SNP_P1_142813_21202743	NC_021166.1	Ca_kabuli_chr07	21202743	CC	TT	1940405659
SNP_P1_142814_21202752	NC_021166.1	Ca_kabuli_chr07	21202752	TT	GG	1940405661
SNP_P1_142816_21213186	NC_021166.1	Ca_kabuli_chr07	21213186	AA	GG	1940405663
SNP_P1_142817_21251225	NC_021166.1	Ca_kabuli_chr07	21251225	TT	CC	1940405664
SNP_P1_142818_21251235	NC_021166.1	Ca_kabuli_chr07	21251235	GG	TT	1940405666
SNP_P1_142819_21251236	NC_021166.1	Ca_kabuli_chr07	21251236	CC	GG	1940405668
SNP_P1_142820_21257252	NC_021166.1	Ca_kabuli_chr07	21257252	TT	CC	1940405670
SNP_P1_142821_21257262	NC_021166.1	Ca_kabuli_chr07	21257262	AA	CC	1940405672
SNP_P1_142822_21257398	NC_021166.1	Ca_kabuli_chr07	21257398	TT	AA	1940405673
SNP_P1_142823_21257466	NC_021166.1	Ca_kabuli_chr07	21257466	CC	TT	1940405675
SNP_P1_142824_21257475	NC_021166.1	Ca_kabuli_chr07	21257475	TT	GG	1940405677
SNP_P1_142825_21257521	NC_021166.1	Ca_kabuli_chr07	21257521	TT	CC	1940405679
SNP_P1_142826_21257608	NC_021166.1	Ca_kabuli_chr07	21257608	TT	CC	1940405681
SNP_P1_142827_21257668	NC_021166.1	Ca_kabuli_chr07	21257668	GG	AA	1940405682
SNP_P1_142828_21257706	NC_021166.1	Ca_kabuli_chr07	21257706	TT	CC	1940405684
SNP_P1_142829_21257723	NC_021166.1	Ca_kabuli_chr07	21257723	AA	GG	1940405686

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142831_21257809	NC_021166.1	Ca_kabuli_chr07	21257809	GG	AA	1940405690
SNP_P1_142832_21257853	NC_021166.1	Ca_kabuli_chr07	21257853	AA	GG	1940405691
SNP_P1_142835_21289812	NC_021166.1	Ca_kabuli_chr07	21289812	CC	AA	1940405693
SNP_P1_142836_21299408	NC_021166.1	Ca_kabuli_chr07	21299408	TT	CC	1940405695
SNP_P1_142837_21299835	NC_021166.1	Ca_kabuli_chr07	21299835	GG	AA	1940405697
SNP_P1_142838_21336441	NC_021166.1	Ca_kabuli_chr07	21336441	CC	TT	1940405699
SNP_P1_142839_21336448	NC_021166.1	Ca_kabuli_chr07	21336448	GG	AA	1940405700
SNP_P1_142840_21338521	NC_021166.1	Ca_kabuli_chr07	21338521	TT	CC	1940405702
SNP_P1_142841_21356919	NC_021166.1	Ca_kabuli_chr07	21356919	GG	AA	1940405704
SNP_P1_142843_21359511	NC_021166.1	Ca_kabuli_chr07	21359511	CC	TT	1940405706
SNP_P1_142844_21361455	NC_021166.1	Ca_kabuli_chr07	21361455	GG	AA	1940405708
SNP_P1_142845_21363178	NC_021166.1	Ca_kabuli_chr07	21363178	AA	GG	1940405709
SNP_P1_142846_21389604	NC_021166.1	Ca_kabuli_chr07	21389604	TT	CC	1940405711
SNP_P1_142848_21405411	NC_021166.1	Ca_kabuli_chr07	21405411	AA	TT	1940405713
SNP_P1_142849_21405732	NC_021166.1	Ca_kabuli_chr07	21405732	GG	AA	1940405715
SNP_P1_142850_21430178	NC_021166.1	Ca_kabuli_chr07	21430178	GG	TT	1940405717
SNP_P1_142851_21441587	NC_021166.1	Ca_kabuli_chr07	21441587	TT	AA	1940405718
SNP_P1_142852_21452720	NC_021166.1	Ca_kabuli_chr07	21452720	GG	AA	1940405720
SNP_P1_142854_21461337	NC_021166.1	Ca_kabuli_chr07	21461337	AA	TT	1940405722
SNP_P1_142855_21466907	NC_021166.1	Ca_kabuli_chr07	21466907	GG	AA	1940405724
SNP_P1_142856_21470890	NC_021166.1	Ca_kabuli_chr07	21470890	CC	TT	1940405726
SNP_P1_142857_21473950	NC_021166.1	Ca_kabuli_chr07	21473950	CC	TT	1940405727
SNP_P1_142858_21508443	NC_021166.1	Ca_kabuli_chr07	21508443	TT	CC	1940405729
SNP_P1_142859_21513480	NC_021166.1	Ca_kabuli_chr07	21513480	TT	AA	1940405731
SNP_P1_142860_21526480	NC_021166.1	Ca_kabuli_chr07	21526480	CC	GG	1940405733
SNP_P1_142861_21529943	NC_021166.1	Ca_kabuli_chr07	21529943	TT	CC	1940405735
SNP_P1_142863_21552605	NC_021166.1	Ca_kabuli_chr07	21552605	GG	AA	1940405736
SNP_P1_142864_21553339	NC_021166.1	Ca_kabuli_chr07	21553339	GG	AA	1940405738
SNP_P1_142865_21553375	NC_021166.1	Ca_kabuli_chr07	21553375	AA	GG	1940405740
SNP_P1_142866_21558155	NC_021166.1	Ca_kabuli_chr07	21558155	GG	AA	1940405742
SNP_P1_142867_21559682	NC_021166.1	Ca_kabuli_chr07	21559682	TT	GG	1940405744
SNP_P1_142869_21644342	NC_021166.1	Ca_kabuli_chr07	21644342	AA	GG	1940405745
SNP_P1_142870_21657053	NC_021166.1	Ca_kabuli_chr07	21657053	CC	TT	1940405747
SNP_P1_142871_21659204	NC_021166.1	Ca_kabuli_chr07	21659204	TT	AA	1940405749
SNP_P1_142872_21665226	NC_021166.1	Ca_kabuli_chr07	21665226	TT	CC	1940405751
SNP_P1_142873_21665507	NC_021166.1	Ca_kabuli_chr07	21665507	CC	TT	1940405753
SNP_P1_142874_21665524	NC_021166.1	Ca_kabuli_chr07	21665524	TT	CC	1940405754
SNP_P1_142875_21666597	NC_021166.1	Ca_kabuli_chr07	21666597	AA	GG	1940405756
SNP_P1_142876_21666682	NC_021166.1	Ca_kabuli_chr07	21666682	TT	CC	1940405758
SNP_P1_142877_21666903	NC_021166.1	Ca_kabuli_chr07	21666903	AA	CC	1940405760
SNP_P1_142878_21666949	NC_021166.1	Ca_kabuli_chr07	21666949	CC	TT	1940405762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142880_21670785	NC_021166.1	Ca_kabuli_chr07	21670785	AA	TT	1940405765
SNP_P1_142881_21670832	NC_021166.1	Ca_kabuli_chr07	21670832	TT	GG	1940405767
SNP_P1_142883_21674733	NC_021166.1	Ca_kabuli_chr07	21674733	GG	TT	1940405769
SNP_P1_142884_21674768	NC_021166.1	Ca_kabuli_chr07	21674768	AA	GG	1940405771
SNP_P1_142885_21674785	NC_021166.1	Ca_kabuli_chr07	21674785	TT	CC	1940405772
SNP_P1_142886_21674821	NC_021166.1	Ca_kabuli_chr07	21674821	TT	AA	1940405774
SNP_P1_142887_21674829	NC_021166.1	Ca_kabuli_chr07	21674829	CC	TT	1940405776
SNP_P1_142888_21674884	NC_021166.1	Ca_kabuli_chr07	21674884	GG	AA	1940405778
SNP_P1_142889_21674930	NC_021166.1	Ca_kabuli_chr07	21674930	CC	AA	1940405780
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SNP_P1_142894_21677641	NC_021166.1	Ca_kabuli_chr07	21677641	CC	AA	1940405785
SNP_P1_142895_21677943	NC_021166.1	Ca_kabuli_chr07	21677943	AA	CC	1940405787
SNP_P1_142896_21678098	NC_021166.1	Ca_kabuli_chr07	21678098	TT	AA	1940405788
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SNP_P1_142899_21680123	NC_021166.1	Ca_kabuli_chr07	21680123	CC	TT	1940405792
SNP_P1_142900_21680130	NC_021166.1	Ca_kabuli_chr07	21680130	AA	GG	1940405794
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SNP_P1_142902_21681018	NC_021166.1	Ca_kabuli_chr07	21681018	GG	AA	1940405798
SNP_P1_142903_21681195	NC_021166.1	Ca_kabuli_chr07	21681195	GG	AA	1940405799
SNP_P1_142904_21681446	NC_021166.1	Ca_kabuli_chr07	21681446	AA	GG	1940405801
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SNP_P1_142907_21681544	NC_021166.1	Ca_kabuli_chr07	21681544	CC	TT	1940405806
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SNP_P1_142911_21681769	NC_021166.1	Ca_kabuli_chr07	21681769	CC	TT	1940405814
SNP_P1_142912_21681779	NC_021166.1	Ca_kabuli_chr07	21681779	GG	AA	1940405815
SNP_P1_142913_21681782	NC_021166.1	Ca_kabuli_chr07	21681782	GG	AA	1940405817
SNP_P1_142914_21681819	NC_021166.1	Ca_kabuli_chr07	21681819	CC	TT	1940405819
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SNP_P1_142917_21682563	NC_021166.1	Ca_kabuli_chr07	21682563	CC	TT	1940405824
SNP_P1_142918_21682646	NC_021166.1	Ca_kabuli_chr07	21682646	GG	TT	1940405826
SNP_P1_142919_21682888	NC_021166.1	Ca_kabuli_chr07	21682888	GG	AA	1940405828
SNP_P1_142920_21683620	NC_021166.1	Ca_kabuli_chr07	21683620	GG	TT	1940405830
SNP_P1_142921_21684632	NC_021166.1	Ca_kabuli_chr07	21684632	CC	TT	1940405832
SNP_P1_142922_21684701	NC_021166.1	Ca_kabuli_chr07	21684701	TT	CC	1940405833
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SNP_P1_142924_21685053	NC_021166.1	Ca_kabuli_chr07	21685053	GG	CC	1940405837

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142927_21687270	NC_021166.1	Ca_kabuli_chr07	21687270	GG	AA	1940405841
SNP_P1_142928_21687286	NC_021166.1	Ca_kabuli_chr07	21687286	GG	AA	1940405842
SNP_P1_142929_21687304	NC_021166.1	Ca_kabuli_chr07	21687304	CC	TT	1940405844
SNP_P1_142930_21688110	NC_021166.1	Ca_kabuli_chr07	21688110	AA	GG	1940405846
SNP_P1_142932_21700881	NC_021166.1	Ca_kabuli_chr07	21700881	CC	TT	1940405848
SNP_P1_142933_21726355	NC_021166.1	Ca_kabuli_chr07	21726355	AA	GG	1940405849
SNP_P1_142934_21726401	NC_021166.1	Ca_kabuli_chr07	21726401	CC	TT	1940405851
SNP_P1_142935_21728099	NC_021166.1	Ca_kabuli_chr07	21728099	CC	AA	1940405853
SNP_P1_142936_21728112	NC_021166.1	Ca_kabuli_chr07	21728112	TT	CC	1940405855
SNP_P1_142937_21728159	NC_021166.1	Ca_kabuli_chr07	21728159	TT	GG	1940405857
SNP_P1_142938_21728170	NC_021166.1	Ca_kabuli_chr07	21728170	AA	GG	1940405858
SNP_P1_142939_21728256	NC_021166.1	Ca_kabuli_chr07	21728256	GG	AA	1940405860
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SNP_P1_142943_21728332	NC_021166.1	Ca_kabuli_chr07	21728332	AA	GG	1940405867
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SNP_P1_142948_21728485	NC_021166.1	Ca_kabuli_chr07	21728485	TT	CC	1940405875
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SNP_P1_142957_21728904	NC_021166.1	Ca_kabuli_chr07	21728904	CC	GG	1940405891
SNP_P1_142958_21728928	NC_021166.1	Ca_kabuli_chr07	21728928	CC	TT	1940405893
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SNP_P1_142962_21729239	NC_021166.1	Ca_kabuli_chr07	21729239	AA	GG	1940405898
SNP_P1_142964_21729493	NC_021166.1	Ca_kabuli_chr07	21729493	TT	AA	1940405900
SNP_P1_142965_21729580	NC_021166.1	Ca_kabuli_chr07	21729580	AA	TT	1940405902
SNP_P1_142966_21729657	NC_021166.1	Ca_kabuli_chr07	21729657	TT	AA	1940405904
SNP_P1_142967_21729819	NC_021166.1	Ca_kabuli_chr07	21729819	AA	GG	1940405906
SNP_P1_142968_21729872	NC_021166.1	Ca_kabuli_chr07	21729872	AA	CC	1940405907
SNP_P1_142969_21729892	NC_021166.1	Ca_kabuli_chr07	21729892	TT	AA	1940405909
SNP_P1_142970_21729893	NC_021166.1	Ca_kabuli_chr07	21729893	GG	AA	1940405911
SNP_P1_142971_21730106	NC_021166.1	Ca_kabuli_chr07	21730106	CC	GG	1940405913

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_142974_21730302	NC_021166.1	Ca_kabuli_chr07	21730302	AA	TT	1940405918
SNP_P1_142975_21730308	NC_021166.1	Ca_kabuli_chr07	21730308	AA	TT	1940405920
SNP_P1_142976_21730497	NC_021166.1	Ca_kabuli_chr07	21730497	CC	TT	1940405922
SNP_P1_142977_21730501	NC_021166.1	Ca_kabuli_chr07	21730501	GG	AA	1940405924
SNP_P1_142978_21730540	NC_021166.1	Ca_kabuli_chr07	21730540	GG	TT	1940405925
SNP_P1_142979_21730605	NC_021166.1	Ca_kabuli_chr07	21730605	TT	CC	1940405927
SNP_P1_142980_21730608	NC_021166.1	Ca_kabuli_chr07	21730608	CC	GG	1940405929
SNP_P1_142981_21730619	NC_021166.1	Ca_kabuli_chr07	21730619	CC	TT	1940405931
SNP_P1_142982_21730625	NC_021166.1	Ca_kabuli_chr07	21730625	TT	GG	1940405933
SNP_P1_142983_21730669	NC_021166.1	Ca_kabuli_chr07	21730669	TT	CC	1940405934
SNP_P1_142984_21730744	NC_021166.1	Ca_kabuli_chr07	21730744	CC	AA	1940405936
SNP_P1_142985_21730757	NC_021166.1	Ca_kabuli_chr07	21730757	CC	AA	1940405938
SNP_P1_142986_21730794	NC_021166.1	Ca_kabuli_chr07	21730794	TT	CC	1940405940
SNP_P1_142987_21730842	NC_021166.1	Ca_kabuli_chr07	21730842	AA	TT	1940405942
SNP_P1_142988_21730845	NC_021166.1	Ca_kabuli_chr07	21730845	AA	TT	1940405943
SNP_P1_142989_21730868	NC_021166.1	Ca_kabuli_chr07	21730868	CC	AA	1940405945
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SNP_P1_142991_21730905	NC_021166.1	Ca_kabuli_chr07	21730905	TT	CC	1940405949
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SNP_P1_142994_21731046	NC_021166.1	Ca_kabuli_chr07	21731046	AA	GG	1940405954
SNP_P1_142995_21731118	NC_021166.1	Ca_kabuli_chr07	21731118	GG	TT	1940405956
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SNP_P1_142998_21731240	NC_021166.1	Ca_kabuli_chr07	21731240	AA	TT	1940405961
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SNP_P1_143000_21731266	NC_021166.1	Ca_kabuli_chr07	21731266	AA	TT	1940405965
SNP_P1_143001_21731273	NC_021166.1	Ca_kabuli_chr07	21731273	TT	CC	1940405967
SNP_P1_143002_21731274	NC_021166.1	Ca_kabuli_chr07	21731274	CC	GG	1940405968
SNP_P1_143003_21731289	NC_021166.1	Ca_kabuli_chr07	21731289	GG	AA	1940405970
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SNP_P1_143008_21731395	NC_021166.1	Ca_kabuli_chr07	21731395	TT	CC	1940405979
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SNP_P1_143011_21731518	NC_021166.1	Ca_kabuli_chr07	21731518	GG	AA	1940405985
SNP_P1_143012_21731527	NC_021166.1	Ca_kabuli_chr07	21731527	TT	AA	1940405986
SNP_P1_143013_21731531	NC_021166.1	Ca_kabuli_chr07	21731531	GG	AA	1940405988

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143015_21731594	NC_021166.1	Ca_kabuli_chr07	21731594	TT	CC	1940405992
SNP_P1_143016_21731722	NC_021166.1	Ca_kabuli_chr07	21731722	CC	TT	1940405994
SNP_P1_143017_21731750	NC_021166.1	Ca_kabuli_chr07	21731750	TT	CC	1940405995
SNP_P1_143018_21731850	NC_021166.1	Ca_kabuli_chr07	21731850	AA	GG	1940405997
SNP_P1_143019_21742351	NC_021166.1	Ca_kabuli_chr07	21742351	TT	CC	1940405999
SNP_P1_143020_21742359	NC_021166.1	Ca_kabuli_chr07	21742359	CC	TT	1940406001
SNP_P1_143021_21742360	NC_021166.1	Ca_kabuli_chr07	21742360	AA	GG	1940406003
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SNP_P1_143023_21742946	NC_021166.1	Ca_kabuli_chr07	21742946	GG	AA	1940406006
SNP_P1_143024_21743011	NC_021166.1	Ca_kabuli_chr07	21743011	CC	TT	1940406008
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SNP_P1_143030_21743592	NC_021166.1	Ca_kabuli_chr07	21743592	TT	GG	1940406017
SNP_P1_143032_21743638	NC_021166.1	Ca_kabuli_chr07	21743638	TT	CC	1940406019
SNP_P1_143033_21743676	NC_021166.1	Ca_kabuli_chr07	21743676	GG	AA	1940406021
SNP_P1_143034_21743731	NC_021166.1	Ca_kabuli_chr07	21743731	TT	CC	1940406022
SNP_P1_143035_21743739	NC_021166.1	Ca_kabuli_chr07	21743739	TT	CC	1940406024
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SNP_P1_143037_21743841	NC_021166.1	Ca_kabuli_chr07	21743841	TT	GG	1940406028
SNP_P1_143038_21743843	NC_021166.1	Ca_kabuli_chr07	21743843	GG	AA	1940406030
SNP_P1_143039_21743845	NC_021166.1	Ca_kabuli_chr07	21743845	TT	GG	1940406031
SNP_P1_143040_21743929	NC_021166.1	Ca_kabuli_chr07	21743929	AA	GG	1940406033
SNP_P1_143042_21744003	NC_021166.1	Ca_kabuli_chr07	21744003	AA	CC	1940406035
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SNP_P1_143049_21744856	NC_021166.1	Ca_kabuli_chr07	21744856	GG	AA	1940406047
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SNP_P1_143056_21746651	NC_021166.1	Ca_kabuli_chr07	21746651	GG	AA	1940406058
SNP_P1_143057_21746779	NC_021166.1	Ca_kabuli_chr07	21746779	CC	AA	1940406060
SNP_P1_143058_21749665	NC_021166.1	Ca_kabuli_chr07	21749665	GG	CC	1940406062
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143062_21750525	NC_021166.1	Ca_kabuli_chr07	21750525	GG	AA	1940406069
SNP_P1_143063_21751485	NC_021166.1	Ca_kabuli_chr07	21751485	TT	CC	1940406071
SNP_P1_143064_21757471	NC_021166.1	Ca_kabuli_chr07	21757471	GG	AA	1940406073
SNP_P1_143065_21762920	NC_021166.1	Ca_kabuli_chr07	21762920	GG	AA	1940406074
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SNP_P1_143067_21766130	NC_021166.1	Ca_kabuli_chr07	21766130	GG	AA	1940406078
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SNP_P1_143069_21766254	NC_021166.1	Ca_kabuli_chr07	21766254	TT	CC	1940406082
SNP_P1_143070_21766368	NC_021166.1	Ca_kabuli_chr07	21766368	AA	GG	1940406083
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SNP_P1_143072_21766439	NC_021166.1	Ca_kabuli_chr07	21766439	CC	TT	1940406087
SNP_P1_143074_21781397	NC_021166.1	Ca_kabuli_chr07	21781397	AA	TT	1940406089
SNP_P1_143075_21784541	NC_021166.1	Ca_kabuli_chr07	21784541	GG	AA	1940406091
SNP_P1_143076_21788045	NC_021166.1	Ca_kabuli_chr07	21788045	CC	AA	1940406092
SNP_P1_143077_21792397	NC_021166.1	Ca_kabuli_chr07	21792397	CC	TT	1940406094
SNP_P1_143079_21817412	NC_021166.1	Ca_kabuli_chr07	21817412	AA	TT	1940406096
SNP_P1_143080_21817869	NC_021166.1	Ca_kabuli_chr07	21817869	CC	TT	1940406098
SNP_P1_143081_21817965	NC_021166.1	Ca_kabuli_chr07	21817965	TT	CC	1940406100
SNP_P1_143082_21818285	NC_021166.1	Ca_kabuli_chr07	21818285	AA	TT	1940406101
SNP_P1_143083_21818296	NC_021166.1	Ca_kabuli_chr07	21818296	AA	CC	1940406103
SNP_P1_143084_21818314	NC_021166.1	Ca_kabuli_chr07	21818314	AA	TT	1940406105
SNP_P1_143085_21818373	NC_021166.1	Ca_kabuli_chr07	21818373	TT	CC	1940406107
SNP_P1_143086_21818410	NC_021166.1	Ca_kabuli_chr07	21818410	TT	CC	1940406109
SNP_P1_143087_21818652	NC_021166.1	Ca_kabuli_chr07	21818652	TT	AA	1940406110
SNP_P1_143088_21818653	NC_021166.1	Ca_kabuli_chr07	21818653	AA	TT	1940406112
SNP_P1_143089_21818654	NC_021166.1	Ca_kabuli_chr07	21818654	TT	AA	1940406114
SNP_P1_143090_21818665	NC_021166.1	Ca_kabuli_chr07	21818665	CC	AA	1940406116
SNP_P1_143091_21818794	NC_021166.1	Ca_kabuli_chr07	21818794	CC	TT	1940406117
SNP_P1_143092_21818806	NC_021166.1	Ca_kabuli_chr07	21818806	GG	AA	1940406119
SNP_P1_143093_21820275	NC_021166.1	Ca_kabuli_chr07	21820275	GG	AA	1940406121
SNP_P1_143094_21820301	NC_021166.1	Ca_kabuli_chr07	21820301	CC	TT	1940406123
SNP_P1_143095_21822842	NC_021166.1	Ca_kabuli_chr07	21822842	TT	CC	1940406125
SNP_P1_143096_21822870	NC_021166.1	Ca_kabuli_chr07	21822870	GG	AA	1940406126
SNP_P1_143097_21824428	NC_021166.1	Ca_kabuli_chr07	21824428	GG	AA	1940406128
SNP_P1_143098_21824511	NC_021166.1	Ca_kabuli_chr07	21824511	TT	CC	1940406130
SNP_P1_143099_21831844	NC_021166.1	Ca_kabuli_chr07	21831844	GG	TT	1940406132
SNP_P1_143100_21838074	NC_021166.1	Ca_kabuli_chr07	21838074	CC	TT	1940406134
SNP_P1_143101_21838081	NC_021166.1	Ca_kabuli_chr07	21838081	TT	CC	1940406135
SNP_P1_143102_21838093	NC_021166.1	Ca_kabuli_chr07	21838093	TT	CC	1940406137
SNP_P1_143103_21838095	NC_021166.1	Ca_kabuli_chr07	21838095	GG	AA	1940406139

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143105_21838128	NC_021166.1	Ca_kabuli_chr07	21838128	CC	TT	1940406143
SNP_P1_143106_21838157	NC_021166.1	Ca_kabuli_chr07	21838157	CC	TT	1940406144
SNP_P1_143107_21838162	NC_021166.1	Ca_kabuli_chr07	21838162	AA	TT	1940406146
SNP_P1_143109_21849810	NC_021166.1	Ca_kabuli_chr07	21849810	TT	GG	1940406148
SNP_P1_143110_21856168	NC_021166.1	Ca_kabuli_chr07	21856168	TT	CC	1940406150
SNP_P1_143111_21856739	NC_021166.1	Ca_kabuli_chr07	21856739	GG	AA	1940406152
SNP_P1_143112_21870166	NC_021166.1	Ca_kabuli_chr07	21870166	TT	GG	1940406153
SNP_P1_143113_21871114	NC_021166.1	Ca_kabuli_chr07	21871114	CC	TT	1940406155
SNP_P1_143114_21877330	NC_021166.1	Ca_kabuli_chr07	21877330	TT	AA	1940406157
SNP_P1_143115_21881764	NC_021166.1	Ca_kabuli_chr07	21881764	AA	GG	1940406159
SNP_P1_143116_21888060	NC_021166.1	Ca_kabuli_chr07	21888060	TT	AA	1940406161
SNP_P1_143118_21913365	NC_021166.1	Ca_kabuli_chr07	21913365	GG	AA	1940406162
SNP_P1_143119_21918202	NC_021166.1	Ca_kabuli_chr07	21918202	TT	AA	1940406164
SNP_P1_143120_21921890	NC_021166.1	Ca_kabuli_chr07	21921890	GG	AA	1940406166
SNP_P1_143122_21947834	NC_021166.1	Ca_kabuli_chr07	21947834	TT	AA	1940406168
SNP_P1_143126_21982450	NC_021166.1	Ca_kabuli_chr07	21982450	GG	AA	1940406170
SNP_P1_143127_21986581	NC_021166.1	Ca_kabuli_chr07	21986581	TT	GG	1940406171
SNP_P1_143128_21994249	NC_021166.1	Ca_kabuli_chr07	21994249	AA	GG	1940406173
SNP_P1_143129_21994599	NC_021166.1	Ca_kabuli_chr07	21994599	TT	CC	1940406175
SNP_P1_143130_21994650	NC_021166.1	Ca_kabuli_chr07	21994650	TT	CC	1940406177
SNP_P1_143131_22005115	NC_021166.1	Ca_kabuli_chr07	22005115	GG	AA	1940406179
SNP_P1_143133_22014568	NC_021166.1	Ca_kabuli_chr07	22014568	AA	GG	1940406180
SNP_P1_143134_22014571	NC_021166.1	Ca_kabuli_chr07	22014571	GG	AA	1940406182
SNP_P1_143136_22018773	NC_021166.1	Ca_kabuli_chr07	22018773	AA	TT	1940406184
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SNP_P1_143138_22027566	NC_021166.1	Ca_kabuli_chr07	22027566	TT	AA	1940406188
SNP_P1_143139_22027615	NC_021166.1	Ca_kabuli_chr07	22027615	TT	CC	1940406189
SNP_P1_143141_22034889	NC_021166.1	Ca_kabuli_chr07	22034889	TT	GG	1940406191
SNP_P1_143142_22035553	NC_021166.1	Ca_kabuli_chr07	22035553	AA	GG	1940406193
SNP_P1_143143_22035657	NC_021166.1	Ca_kabuli_chr07	22035657	AA	GG	1940406195
SNP_P1_143144_22036213	NC_021166.1	Ca_kabuli_chr07	22036213	GG	AA	1940406197
SNP_P1_143146_22036380	NC_021166.1	Ca_kabuli_chr07	22036380	GG	AA	1940406198
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SNP_P1_143150_22038776	NC_021166.1	Ca_kabuli_chr07	22038776	AA	GG	1940406202
SNP_P1_143152_22042181	NC_021166.1	Ca_kabuli_chr07	22042181	TT	GG	1940406204
SNP_P1_143153_22042530	NC_021166.1	Ca_kabuli_chr07	22042530	AA	GG	1940406206
SNP_P1_143154_22042916	NC_021166.1	Ca_kabuli_chr07	22042916	CC	AA	1940406207
SNP_P1_143156_22044990	NC_021166.1	Ca_kabuli_chr07	22044990	CC	AA	1940406209
SNP_P1_143158_22046351	NC_021166.1	Ca_kabuli_chr07	22046351	CC	TT	1940406211
SNP_P1_143159_22046592	NC_021166.1	Ca_kabuli_chr07	22046592	CC	TT	1940406213
SNP_P1_143163_22047792	NC_021166.1	Ca_kabuli_chr07	22047792	TT	GG	1940406215

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143165_22048847	NC_021166.1	Ca_kabuli_chr07	22048847	AA	GG	1940406218
SNP_P1_143166_22048950	NC_021166.1	Ca_kabuli_chr07	22048950	TT	CC	1940406220
SNP_P1_143168_22049336	NC_021166.1	Ca_kabuli_chr07	22049336	AA	TT	1940406222
SNP_P1_143169_22049920	NC_021166.1	Ca_kabuli_chr07	22049920	TT	GG	1940406223
SNP_P1_143170_22050939	NC_021166.1	Ca_kabuli_chr07	22050939	CC	TT	1940406225
SNP_P1_143171_22053695	NC_021166.1	Ca_kabuli_chr07	22053695	AA	CC	1940406227
SNP_P1_143172_22058011	NC_021166.1	Ca_kabuli_chr07	22058011	TT	AA	1940406229
SNP_P1_143173_22058012	NC_021166.1	Ca_kabuli_chr07	22058012	TT	AA	1940406231
SNP_P1_143174_22061077	NC_021166.1	Ca_kabuli_chr07	22061077	TT	AA	1940406232
SNP_P1_143175_22062528	NC_021166.1	Ca_kabuli_chr07	22062528	GG	TT	1940406234
SNP_P1_143176_22067735	NC_021166.1	Ca_kabuli_chr07	22067735	CC	AA	1940406236
SNP_P1_143177_22068547	NC_021166.1	Ca_kabuli_chr07	22068547	TT	GG	1940406238
SNP_P1_143178_22068570	NC_021166.1	Ca_kabuli_chr07	22068570	GG	AA	1940406240
SNP_P1_143179_22068582	NC_021166.1	Ca_kabuli_chr07	22068582	AA	GG	1940406241
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SNP_P1_143181_22071070	NC_021166.1	Ca_kabuli_chr07	22071070	AA	TT	1940406245
SNP_P1_143182_22071083	NC_021166.1	Ca_kabuli_chr07	22071083	AA	TT	1940406247
SNP_P1_143183_22083088	NC_021166.1	Ca_kabuli_chr07	22083088	AA	GG	1940406249
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SNP_P1_143185_22096383	NC_021166.1	Ca_kabuli_chr07	22096383	AA	TT	1940406252
SNP_P1_143187_22101671	NC_021166.1	Ca_kabuli_chr07	22101671	GG	AA	1940406254
SNP_P1_143188_22101683	NC_021166.1	Ca_kabuli_chr07	22101683	CC	TT	1940406256
SNP_P1_143189_22115081	NC_021166.1	Ca_kabuli_chr07	22115081	GG	AA	1940406258
SNP_P1_143190_22125870	NC_021166.1	Ca_kabuli_chr07	22125870	TT	AA	1940406259
SNP_P1_143191_22126059	NC_021166.1	Ca_kabuli_chr07	22126059	CC	GG	1940406261
SNP_P1_143192_22143216	NC_021166.1	Ca_kabuli_chr07	22143216	GG	TT	1940406263
SNP_P1_143193_22146357	NC_021166.1	Ca_kabuli_chr07	22146357	CC	AA	1940406265
SNP_P1_143194_22146458	NC_021166.1	Ca_kabuli_chr07	22146458	GG	AA	1940406267
SNP_P1_143196_22146596	NC_021166.1	Ca_kabuli_chr07	22146596	TT	CC	1940406268
SNP_P1_143197_22146668	NC_021166.1	Ca_kabuli_chr07	22146668	TT	AA	1940406270
SNP_P1_143198_22146698	NC_021166.1	Ca_kabuli_chr07	22146698	CC	TT	1940406272
SNP_P1_143199_22146706	NC_021166.1	Ca_kabuli_chr07	22146706	AA	GG	1940406274
SNP_P1_143200_22146732	NC_021166.1	Ca_kabuli_chr07	22146732	GG	AA	1940406276
SNP_P1_143201_22146740	NC_021166.1	Ca_kabuli_chr07	22146740	AA	GG	1940406277
SNP_P1_143202_22149216	NC_021166.1	Ca_kabuli_chr07	22149216	TT	GG	1940406279
SNP_P1_143203_22152507	NC_021166.1	Ca_kabuli_chr07	22152507	AA	GG	1940406281
SNP_P1_143204_22174055	NC_021166.1	Ca_kabuli_chr07	22174055	GG	CC	1940406283
SNP_P1_143205_22174122	NC_021166.1	Ca_kabuli_chr07	22174122	GG	AA	1940406285
SNP_P1_143206_22174379	NC_021166.1	Ca_kabuli_chr07	22174379	TT	CC	1940406286
SNP_P1_143207_22186373	NC_021166.1	Ca_kabuli_chr07	22186373	GG	AA	1940406288
SNP_P1_143208_22186383	NC_021166.1	Ca_kabuli_chr07	22186383	AA	CC	1940406290

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143210_22186425	NC_021166.1	Ca_kabuli_chr07	22186425	AA	GG	1940406294
SNP_P1_143211_22186440	NC_021166.1	Ca_kabuli_chr07	22186440	GG	AA	1940406295
SNP_P1_143212_22186804	NC_021166.1	Ca_kabuli_chr07	22186804	AA	CC	1940406297
SNP_P1_143213_22186805	NC_021166.1	Ca_kabuli_chr07	22186805	GG	AA	1940406299
SNP_P1_143214_22187228	NC_021166.1	Ca_kabuli_chr07	22187228	TT	AA	1940406301
SNP_P1_143215_22187340	NC_021166.1	Ca_kabuli_chr07	22187340	AA	GG	1940406302
SNP_P1_143216_22205859	NC_021166.1	Ca_kabuli_chr07	22205859	CC	TT	1940406304
SNP_P1_143217_22206661	NC_021166.1	Ca_kabuli_chr07	22206661	CC	TT	1940406306
SNP_P1_143218_22206672	NC_021166.1	Ca_kabuli_chr07	22206672	CC	TT	1940406308
SNP_P1_143219_22271986	NC_021166.1	Ca_kabuli_chr07	22271986	TT	AA	1940406310
SNP_P1_143220_22297070	NC_021166.1	Ca_kabuli_chr07	22297070	CC	TT	1940406311
SNP_P1_143222_22327100	NC_021166.1	Ca_kabuli_chr07	22327100	TT	CC	1940406313
SNP_P1_143223_22327132	NC_021166.1	Ca_kabuli_chr07	22327132	AA	TT	1940406315
SNP_P1_143224_22327200	NC_021166.1	Ca_kabuli_chr07	22327200	AA	GG	1940406317
SNP_P1_143225_22327210	NC_021166.1	Ca_kabuli_chr07	22327210	CC	TT	1940406319
SNP_P1_143226_22327215	NC_021166.1	Ca_kabuli_chr07	22327215	TT	CC	1940406320
SNP_P1_143229_22328813	NC_021166.1	Ca_kabuli_chr07	22328813	CC	AA	1940406322
SNP_P1_143230_22330605	NC_021166.1	Ca_kabuli_chr07	22330605	GG	TT	1940406324
SNP_P1_143231_22330680	NC_021166.1	Ca_kabuli_chr07	22330680	GG	CC	1940406326
SNP_P1_143232_22330997	NC_021166.1	Ca_kabuli_chr07	22330997	GG	AA	1940406328
SNP_P1_143233_22331017	NC_021166.1	Ca_kabuli_chr07	22331017	GG	AA	1940406329
SNP_P1_143234_22333136	NC_021166.1	Ca_kabuli_chr07	22333136	TT	CC	1940406331
SNP_P1_143235_22333179	NC_021166.1	Ca_kabuli_chr07	22333179	AA	GG	1940406333
SNP_P1_143236_22335682	NC_021166.1	Ca_kabuli_chr07	22335682	TT	CC	1940406335
SNP_P1_143238_22339619	NC_021166.1	Ca_kabuli_chr07	22339619	GG	AA	1940406337
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SNP_P1_143240_22343357	NC_021166.1	Ca_kabuli_chr07	22343357	AA	TT	1940406340
SNP_P1_143241_22349027	NC_021166.1	Ca_kabuli_chr07	22349027	CC	TT	1940406342
SNP_P1_143242_22350288	NC_021166.1	Ca_kabuli_chr07	22350288	GG	AA	1940406344
SNP_P1_143243_22350370	NC_021166.1	Ca_kabuli_chr07	22350370	AA	GG	1940406346
SNP_P1_143246_22372760	NC_021166.1	Ca_kabuli_chr07	22372760	AA	GG	1940406347
SNP_P1_143248_22392566	NC_021166.1	Ca_kabuli_chr07	22392566	GG	CC	1940406349
SNP_P1_143249_22411272	NC_021166.1	Ca_kabuli_chr07	22411272	CC	TT	1940406351
SNP_P1_143250_22411292	NC_021166.1	Ca_kabuli_chr07	22411292	GG	AA	1940406353
SNP_P1_143251_22411657	NC_021166.1	Ca_kabuli_chr07	22411657	CC	TT	1940406355
SNP_P1_143255_22437513	NC_021166.1	Ca_kabuli_chr07	22437513	GG	AA	1940406356
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SNP_P1_143257_22439026	NC_021166.1	Ca_kabuli_chr07	22439026	CC	TT	1940406360
SNP_P1_143259_22456491	NC_021166.1	Ca_kabuli_chr07	22456491	TT	GG	1940406362
SNP_P1_143260_22457151	NC_021166.1	Ca_kabuli_chr07	22457151	CC	TT	1940406364
SNP_P1_143261_22473566	NC_021166.1	Ca_kabuli_chr07	22473566	AA	GG	1940406365

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143266_22527751	NC_021166.1	Ca_kabuli_chr07	22527751	GG	AA	1940406371
SNP_P1_143267_22533093	NC_021166.1	Ca_kabuli_chr07	22533093	TT	AA	1940406373
SNP_P1_143268_22533490	NC_021166.1	Ca_kabuli_chr07	22533490	TT	GG	1940406374
SNP_P1_143269_22533497	NC_021166.1	Ca_kabuli_chr07	22533497	AA	GG	1940406376
SNP_P1_143270_22533505	NC_021166.1	Ca_kabuli_chr07	22533505	AA	GG	1940406378
SNP_P1_143271_22533506	NC_021166.1	Ca_kabuli_chr07	22533506	GG	AA	1940406380
SNP_P1_143272_22533507	NC_021166.1	Ca_kabuli_chr07	22533507	TT	AA	1940406382
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SNP_P1_143274_22542983	NC_021166.1	Ca_kabuli_chr07	22542983	AA	GG	1940406385
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SNP_P1_143276_22545522	NC_021166.1	Ca_kabuli_chr07	22545522	GG	TT	1940406389
SNP_P1_143277_22548061	NC_021166.1	Ca_kabuli_chr07	22548061	CC	GG	1940406391
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SNP_P1_143280_22598042	NC_021166.1	Ca_kabuli_chr07	22598042	AA	CC	1940406394
SNP_P1_143281_22598081	NC_021166.1	Ca_kabuli_chr07	22598081	TT	CC	1940406396
SNP_P1_143282_22640637	NC_021166.1	Ca_kabuli_chr07	22640637	GG	AA	1940406398
SNP_P1_143283_22652043	NC_021166.1	Ca_kabuli_chr07	22652043	AA	TT	1940406400
SNP_P1_143285_22659557	NC_021166.1	Ca_kabuli_chr07	22659557	CC	TT	1940406401
SNP_P1_143286_22664235	NC_021166.1	Ca_kabuli_chr07	22664235	CC	TT	1940406403
SNP_P1_143287_22664292	NC_021166.1	Ca_kabuli_chr07	22664292	AA	GG	1940406405
SNP_P1_143288_22664298	NC_021166.1	Ca_kabuli_chr07	22664298	AA	GG	1940406407
SNP_P1_143289_22664309	NC_021166.1	Ca_kabuli_chr07	22664309	CC	AA	1940406409
SNP_P1_143291_22678667	NC_021166.1	Ca_kabuli_chr07	22678667	TT	CC	1940406410
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SNP_P1_143294_22699759	NC_021166.1	Ca_kabuli_chr07	22699759	GG	TT	1940406414
SNP_P1_143295_22700457	NC_021166.1	Ca_kabuli_chr07	22700457	AA	GG	1940406416
SNP_P1_143296_22700880	NC_021166.1	Ca_kabuli_chr07	22700880	GG	AA	1940406417
SNP_P1_143297_22700892	NC_021166.1	Ca_kabuli_chr07	22700892	AA	CC	1940406419
SNP_P1_143298_22700896	NC_021166.1	Ca_kabuli_chr07	22700896	AA	GG	1940406421
SNP_P1_143299_22700898	NC_021166.1	Ca_kabuli_chr07	22700898	AA	GG	1940406423
SNP_P1_143300_22700903	NC_021166.1	Ca_kabuli_chr07	22700903	CC	TT	1940406425
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SNP_P1_143302_22700917	NC_021166.1	Ca_kabuli_chr07	22700917	GG	AA	1940406428
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SNP_P1_143306_22740001	NC_021166.1	Ca_kabuli_chr07	22740001	TT	CC	1940406435
SNP_P1_143307_22744827	NC_021166.1	Ca_kabuli_chr07	22744827	GG	TT	1940406437
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143312_22787899	NC_021166.1	Ca_kabuli_chr07	22787899	TT	CC	1940406444
SNP_P1_143313_22803878	NC_021166.1	Ca_kabuli_chr07	22803878	GG	TT	1940406446
SNP_P1_143314_22803913	NC_021166.1	Ca_kabuli_chr07	22803913	AA	GG	1940406448
SNP_P1_143315_22810003	NC_021166.1	Ca_kabuli_chr07	22810003	TT	CC	1940406450
SNP_P1_143316_22858274	NC_021166.1	Ca_kabuli_chr07	22858274	GG	TT	1940406452
SNP_P1_143317_22858851	NC_021166.1	Ca_kabuli_chr07	22858851	AA	GG	1940406453
SNP_P1_143318_22858858	NC_021166.1	Ca_kabuli_chr07	22858858	AA	GG	1940406455
SNP_P1_143319_22863617	NC_021166.1	Ca_kabuli_chr07	22863617	CC	TT	1940406457
SNP_P1_143320_22863637	NC_021166.1	Ca_kabuli_chr07	22863637	GG	AA	1940406459
SNP_P1_143321_22864273	NC_021166.1	Ca_kabuli_chr07	22864273	TT	CC	1940406461
SNP_P1_143322_22864289	NC_021166.1	Ca_kabuli_chr07	22864289	CC	TT	1940406462
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SNP_P1_143337_22921664	NC_021166.1	Ca_kabuli_chr07	22921664	AA	GG	1940406484
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SNP_P1_143343_22921976	NC_021166.1	Ca_kabuli_chr07	22921976	AA	GG	1940406495
SNP_P1_143344_22922025	NC_021166.1	Ca_kabuli_chr07	22922025	AA	GG	1940406497
SNP_P1_143345_22922128	NC_021166.1	Ca_kabuli_chr07	22922128	GG	TT	1940406498
SNP_P1_143346_22927159	NC_021166.1	Ca_kabuli_chr07	22927159	TT	CC	1940406500
SNP_P1_143347_22928380	NC_021166.1	Ca_kabuli_chr07	22928380	CC	AA	1940406502
SNP_P1_143348_22931923	NC_021166.1	Ca_kabuli_chr07	22931923	CC	AA	1940406504
SNP_P1_143349_22941408	NC_021166.1	Ca_kabuli_chr07	22941408	TT	CC	1940406506
SNP_P1_143350_22941545	NC_021166.1	Ca_kabuli_chr07	22941545	CC	TT	1940406507
SNP_P1_143351_22947951	NC_021166.1	Ca_kabuli_chr07	22947951	GG	AA	1940406509
SNP_P1_143352_22949402	NC_021166.1	Ca_kabuli_chr07	22949402	TT	AA	1940406511
SNP_P1_143354_22952381	NC_021166.1	Ca_kabuli_chr07	22952381	CC	TT	1940406513
SNP_P1_143355_22953449	NC_021166.1	Ca_kabuli_chr07	22953449	AA	TT	1940406515
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143358_22962418	NC_021166.1	Ca_kabuli_chr07	22962418	AA	GG	1940406520
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SNP_P1_143360_22963254	NC_021166.1	Ca_kabuli_chr07	22963254	AA	GG	1940406524
SNP_P1_143361_22964630	NC_021166.1	Ca_kabuli_chr07	22964630	AA	TT	1940406525
SNP_P1_143362_22969652	NC_021166.1	Ca_kabuli_chr07	22969652	TT	CC	1940406527
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SNP_P1_143366_22977974	NC_021166.1	Ca_kabuli_chr07	22977974	GG	CC	1940406532
SNP_P1_143368_22980318	NC_021166.1	Ca_kabuli_chr07	22980318	CC	TT	1940406534
SNP_P1_143369_22992416	NC_021166.1	Ca_kabuli_chr07	22992416	AA	CC	1940406536
SNP_P1_143370_22992474	NC_021166.1	Ca_kabuli_chr07	22992474	AA	GG	1940406538
SNP_P1_143371_22992492	NC_021166.1	Ca_kabuli_chr07	22992492	GG	AA	1940406540
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SNP_P1_143374_22992570	NC_021166.1	Ca_kabuli_chr07	22992570	TT	GG	1940406545
SNP_P1_143375_22992625	NC_021166.1	Ca_kabuli_chr07	22992625	AA	GG	1940406547
SNP_P1_143376_22992699	NC_021166.1	Ca_kabuli_chr07	22992699	AA	TT	1940406549
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SNP_P1_143381_22992867	NC_021166.1	Ca_kabuli_chr07	22992867	TT	CC	1940406558
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SNP_P1_143384_22992948	NC_021166.1	Ca_kabuli_chr07	22992948	GG	AA	1940406563
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SNP_P1_143386_22992999	NC_021166.1	Ca_kabuli_chr07	22992999	CC	TT	1940406567
SNP_P1_143387_22995772	NC_021166.1	Ca_kabuli_chr07	22995772	AA	GG	1940406568
SNP_P1_143388_22995814	NC_021166.1	Ca_kabuli_chr07	22995814	CC	TT	1940406570
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SNP_P1_143391_23037456	NC_021166.1	Ca_kabuli_chr07	23037456	GG	TT	1940406575
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SNP_P1_143397_23038380	NC_021166.1	Ca_kabuli_chr07	23038380	AA	GG	1940406583
SNP_P1_143398_23038537	NC_021166.1	Ca_kabuli_chr07	23038537	AA	TT	1940406584
SNP_P1_143400_23082563	NC_021166.1	Ca_kabuli_chr07	23082563	CC	TT	1940406586
SNP_P1_143401_23082574	NC_021166.1	Ca_kabuli_chr07	23082574	GG	AA	1940406588
SNP_P1_143402_23082583	NC_021166.1	Ca_kabuli_chr07	23082583	GG	AA	1940406590
SNP_P1_143403_23082586	NC_021166.1	Ca_kabuli_chr07	23082586	TT	AA	1940406592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143406_23082795	NC_021166.1	Ca_kabuli_chr07	23082795	AA	GG	1940406597
SNP_P1_143407_23082842	NC_021166.1	Ca_kabuli_chr07	23082842	CC	TT	1940406599
SNP_P1_143408_23091702	NC_021166.1	Ca_kabuli_chr07	23091702	CC	GG	1940406600
SNP_P1_143409_23120752	NC_021166.1	Ca_kabuli_chr07	23120752	GG	AA	1940406602
SNP_P1_143410_23126334	NC_021166.1	Ca_kabuli_chr07	23126334	CC	AA	1940406604
SNP_P1_143411_23146290	NC_021166.1	Ca_kabuli_chr07	23146290	CC	TT	1940406606
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SNP_P1_143413_23162239	NC_021166.1	Ca_kabuli_chr07	23162239	GG	TT	1940406609
SNP_P1_143414_23163580	NC_021166.1	Ca_kabuli_chr07	23163580	CC	TT	1940406611
SNP_P1_143415_23168674	NC_021166.1	Ca_kabuli_chr07	23168674	AA	GG	1940406613
SNP_P1_143416_23175673	NC_021166.1	Ca_kabuli_chr07	23175673	GG	TT	1940406615
SNP_P1_143417_23175750	NC_021166.1	Ca_kabuli_chr07	23175750	CC	TT	1940406616
SNP_P1_143419_23178669	NC_021166.1	Ca_kabuli_chr07	23178669	GG	AA	1940406618
SNP_P1_143420_23193340	NC_021166.1	Ca_kabuli_chr07	23193340	AA	GG	1940406620
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SNP_P1_143434_23241335	NC_021166.1	Ca_kabuli_chr07	23241335	GG	AA	1940406645
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SNP_P1_143436_23247163	NC_021166.1	Ca_kabuli_chr07	23247163	GG	AA	1940406649
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SNP_P1_143445_23250657	NC_021166.1	Ca_kabuli_chr07	23250657	AA	CC	1940406665
SNP_P1_143446_23279116	NC_021166.1	Ca_kabuli_chr07	23279116	TT	CC	1940406667

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143450_23285224	NC_021166.1	Ca_kabuli_chr07	23285224	AA	GG	1940406674
SNP_P1_143451_23294019	NC_021166.1	Ca_kabuli_chr07	23294019	AA	GG	1940406676
SNP_P1_143452_23294023	NC_021166.1	Ca_kabuli_chr07	23294023	CC	TT	1940406677
SNP_P1_143453_23299940	NC_021166.1	Ca_kabuli_chr07	23299940	CC	TT	1940406679
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SNP_P1_143455_23347045	NC_021166.1	Ca_kabuli_chr07	23347045	GG	AA	1940406683
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SNP_P1_143463_23426794	NC_021166.1	Ca_kabuli_chr07	23426794	GG	AA	1940406695
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SNP_P1_143480_23601157	NC_021166.1	Ca_kabuli_chr07	23601157	CC	TT	1940406721
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SNP_P1_143482_23607704	NC_021166.1	Ca_kabuli_chr07	23607704	CC	TT	1940406724
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SNP_P1_143484_23627127	NC_021166.1	Ca_kabuli_chr07	23627127	AA	GG	1940406728
SNP_P1_143485_23627429	NC_021166.1	Ca_kabuli_chr07	23627429	AA	GG	1940406730
SNP_P1_143486_23627458	NC_021166.1	Ca_kabuli_chr07	23627458	AA	GG	1940406731
SNP_P1_143487_23627473	NC_021166.1	Ca_kabuli_chr07	23627473	AA	GG	1940406733
SNP_P1_143488_23627488	NC_021166.1	Ca_kabuli_chr07	23627488	AA	CC	1940406735
SNP_P1_143489_23627514	NC_021166.1	Ca_kabuli_chr07	23627514	GG	AA	1940406737
SNP_P1_143492_23638133	NC_021166.1	Ca_kabuli_chr07	23638133	GG	AA	1940406738
SNP_P1_143494_23644427	NC_021166.1	Ca_kabuli_chr07	23644427	AA	TT	1940406740
SNP_P1_143495_23656431	NC_021166.1	Ca_kabuli_chr07	23656431	CC	AA	1940406742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143497_23656544	NC_021166.1	Ca_kabuli_chr07	23656544	TT	CC	1940406746
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SNP_P1_143499_23658567	NC_021166.1	Ca_kabuli_chr07	23658567	AA	TT	1940406749
SNP_P1_143500_23658571	NC_021166.1	Ca_kabuli_chr07	23658571	TT	CC	1940406751
SNP_P1_143501_23658590	NC_021166.1	Ca_kabuli_chr07	23658590	GG	AA	1940406753
SNP_P1_143502_23658601	NC_021166.1	Ca_kabuli_chr07	23658601	CC	TT	1940406755
SNP_P1_143503_23658638	NC_021166.1	Ca_kabuli_chr07	23658638	CC	TT	1940406756
SNP_P1_143504_23658667	NC_021166.1	Ca_kabuli_chr07	23658667	TT	CC	1940406758
SNP_P1_143505_23661573	NC_021166.1	Ca_kabuli_chr07	23661573	AA	CC	1940406760
SNP_P1_143506_23661579	NC_021166.1	Ca_kabuli_chr07	23661579	AA	GG	1940406762
SNP_P1_143508_23667538	NC_021166.1	Ca_kabuli_chr07	23667538	GG	CC	1940406764
SNP_P1_143509_23667863	NC_021166.1	Ca_kabuli_chr07	23667863	CC	TT	1940406765
SNP_P1_143510_23667867	NC_021166.1	Ca_kabuli_chr07	23667867	AA	GG	1940406767
SNP_P1_143511_23667882	NC_021166.1	Ca_kabuli_chr07	23667882	CC	TT	1940406769
SNP_P1_143512_23667970	NC_021166.1	Ca_kabuli_chr07	23667970	CC	AA	1940406771
SNP_P1_143513_23670196	NC_021166.1	Ca_kabuli_chr07	23670196	CC	TT	1940406773
SNP_P1_143514_23672254	NC_021166.1	Ca_kabuli_chr07	23672254	GG	AA	1940406774
SNP_P1_143516_23696042	NC_021166.1	Ca_kabuli_chr07	23696042	GG	CC	1940406776
SNP_P1_143517_23696532	NC_021166.1	Ca_kabuli_chr07	23696532	CC	AA	1940406778
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SNP_P1_143519_23704503	NC_021166.1	Ca_kabuli_chr07	23704503	GG	AA	1940406782
SNP_P1_143520_23708733	NC_021166.1	Ca_kabuli_chr07	23708733	AA	TT	1940406783
SNP_P1_143521_23718396	NC_021166.1	Ca_kabuli_chr07	23718396	TT	AA	1940406785
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SNP_P1_143525_23766762	NC_021166.1	Ca_kabuli_chr07	23766762	CC	TT	1940406789
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SNP_P1_143528_23773217	NC_021166.1	Ca_kabuli_chr07	23773217	CC	GG	1940406794
SNP_P1_143530_23794764	NC_021166.1	Ca_kabuli_chr07	23794764	TT	CC	1940406796
SNP_P1_143532_23798634	NC_021166.1	Ca_kabuli_chr07	23798634	AA	TT	1940406798
SNP_P1_143533_23801471	NC_021166.1	Ca_kabuli_chr07	23801471	CC	AA	1940406800
SNP_P1_143534_23804174	NC_021166.1	Ca_kabuli_chr07	23804174	CC	TT	1940406801
SNP_P1_143535_23807157	NC_021166.1	Ca_kabuli_chr07	23807157	AA	GG	1940406803
SNP_P1_143536_23807168	NC_021166.1	Ca_kabuli_chr07	23807168	AA	GG	1940406805
SNP_P1_143537_23807184	NC_021166.1	Ca_kabuli_chr07	23807184	CC	TT	1940406807
SNP_P1_143538_23807199	NC_021166.1	Ca_kabuli_chr07	23807199	GG	CC	1940406809
SNP_P1_143539_23807208	NC_021166.1	Ca_kabuli_chr07	23807208	TT	GG	1940406810
SNP_P1_143540_23807262	NC_021166.1	Ca_kabuli_chr07	23807262	AA	GG	1940406812
SNP_P1_143541_23807328	NC_021166.1	Ca_kabuli_chr07	23807328	TT	AA	1940406814
SNP_P1_143542_23807367	NC_021166.1	Ca_kabuli_chr07	23807367	AA	TT	1940406816
SNP_P1_143543_23807396	NC_021166.1	Ca_kabuli_chr07	23807396	AA	GG	1940406818

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143545_23807410	NC_021166.1	Ca_kabuli_chr07	23807410	AA	GG	1940406821
SNP_P1_143546_23807450	NC_021166.1	Ca_kabuli_chr07	23807450	AA	TT	1940406823
SNP_P1_143547_23807528	NC_021166.1	Ca_kabuli_chr07	23807528	GG	AA	1940406825
SNP_P1_143548_23807675	NC_021166.1	Ca_kabuli_chr07	23807675	CC	TT	1940406827
SNP_P1_143549_23812206	NC_021166.1	Ca_kabuli_chr07	23812206	AA	CC	1940406828
SNP_P1_143550_23812412	NC_021166.1	Ca_kabuli_chr07	23812412	TT	CC	1940406830
SNP_P1_143551_23812421	NC_021166.1	Ca_kabuli_chr07	23812421	AA	GG	1940406832
SNP_P1_143552_23814206	NC_021166.1	Ca_kabuli_chr07	23814206	TT	CC	1940406834
SNP_P1_143553_23815462	NC_021166.1	Ca_kabuli_chr07	23815462	TT	AA	1940406836
SNP_P1_143554_23819658	NC_021166.1	Ca_kabuli_chr07	23819658	GG	AA	1940406837
SNP_P1_143555_23819668	NC_021166.1	Ca_kabuli_chr07	23819668	AA	GG	1940406839
SNP_P1_143556_23820032	NC_021166.1	Ca_kabuli_chr07	23820032	TT	AA	1940406841
SNP_P1_143557_23823120	NC_021166.1	Ca_kabuli_chr07	23823120	TT	AA	1940406843
SNP_P1_143558_23824521	NC_021166.1	Ca_kabuli_chr07	23824521	TT	CC	1940406845
SNP_P1_143559_23825835	NC_021166.1	Ca_kabuli_chr07	23825835	AA	GG	1940406846
SNP_P1_143560_23829086	NC_021166.1	Ca_kabuli_chr07	23829086	CC	AA	1940406848
SNP_P1_143561_23835030	NC_021166.1	Ca_kabuli_chr07	23835030	AA	CC	1940406850
SNP_P1_143562_23835508	NC_021166.1	Ca_kabuli_chr07	23835508	CC	TT	1940406852
SNP_P1_143564_23835720	NC_021166.1	Ca_kabuli_chr07	23835720	AA	GG	1940406854
SNP_P1_143565_23850788	NC_021166.1	Ca_kabuli_chr07	23850788	TT	AA	1940406855
SNP_P1_143566_23850829	NC_021166.1	Ca_kabuli_chr07	23850829	CC	TT	1940406857
SNP_P1_143568_23879151	NC_021166.1	Ca_kabuli_chr07	23879151	GG	TT	1940406859
SNP_P1_143569_23879436	NC_021166.1	Ca_kabuli_chr07	23879436	CC	AA	1940406861
SNP_P1_143570_23879451	NC_021166.1	Ca_kabuli_chr07	23879451	TT	AA	1940406863
SNP_P1_143571_23879455	NC_021166.1	Ca_kabuli_chr07	23879455	TT	CC	1940406864
SNP_P1_143572_23879513	NC_021166.1	Ca_kabuli_chr07	23879513	AA	TT	1940406866
SNP_P1_143573_23879531	NC_021166.1	Ca_kabuli_chr07	23879531	CC	AA	1940406868
SNP_P1_143574_23879560	NC_021166.1	Ca_kabuli_chr07	23879560	TT	AA	1940406870
SNP_P1_143575_23879576	NC_021166.1	Ca_kabuli_chr07	23879576	GG	CC	1940406872
SNP_P1_143576_23879594	NC_021166.1	Ca_kabuli_chr07	23879594	AA	GG	1940406873
SNP_P1_143577_23879615	NC_021166.1	Ca_kabuli_chr07	23879615	TT	CC	1940406875
SNP_P1_143578_23883729	NC_021166.1	Ca_kabuli_chr07	23883729	AA	GG	1940406877
SNP_P1_143579_23887057	NC_021166.1	Ca_kabuli_chr07	23887057	TT	CC	1940406879
SNP_P1_143580_23891217	NC_021166.1	Ca_kabuli_chr07	23891217	CC	TT	1940406881
SNP_P1_143581_23894186	NC_021166.1	Ca_kabuli_chr07	23894186	GG	AA	1940406883
SNP_P1_143582_23900962	NC_021166.1	Ca_kabuli_chr07	23900962	CC	TT	1940406884
SNP_P1_143583_23901035	NC_021166.1	Ca_kabuli_chr07	23901035	AA	TT	1940406886
SNP_P1_143584_23901036	NC_021166.1	Ca_kabuli_chr07	23901036	TT	CC	1940406888
SNP_P1_143585_23902081	NC_021166.1	Ca_kabuli_chr07	23902081	TT	CC	1940406890
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SNP_P1_143587_23902457	NC_021166.1	Ca_kabuli_chr07	23902457	GG	TT	1940406893

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143589_23905788	NC_021166.1	Ca_kabuli_chr07	23905788	CC	TT	1940406897
SNP_P1_143591_23908769	NC_021166.1	Ca_kabuli_chr07	23908769	AA	CC	1940406899
SNP_P1_143592_23930939	NC_021166.1	Ca_kabuli_chr07	23930939	TT	CC	1940406901
SNP_P1_143593_23931560	NC_021166.1	Ca_kabuli_chr07	23931560	TT	AA	1940406902
SNP_P1_143595_23985001	NC_021166.1	Ca_kabuli_chr07	23985001	CC	TT	1940406904
SNP_P1_143596_24000784	NC_021166.1	Ca_kabuli_chr07	24000784	CC	AA	1940406906
SNP_P1_143597_24001083	NC_021166.1	Ca_kabuli_chr07	24001083	TT	CC	1940406908
SNP_P1_143598_24001315	NC_021166.1	Ca_kabuli_chr07	24001315	AA	GG	1940406910
SNP_P1_143599_24001324	NC_021166.1	Ca_kabuli_chr07	24001324	TT	GG	1940406911
SNP_P1_143600_24001338	NC_021166.1	Ca_kabuli_chr07	24001338	CC	TT	1940406913
SNP_P1_143601_24001343	NC_021166.1	Ca_kabuli_chr07	24001343	TT	CC	1940406915
SNP_P1_143602_24001346	NC_021166.1	Ca_kabuli_chr07	24001346	TT	CC	1940406917
SNP_P1_143603_24001370	NC_021166.1	Ca_kabuli_chr07	24001370	AA	GG	1940406919
SNP_P1_143604_24001372	NC_021166.1	Ca_kabuli_chr07	24001372	TT	GG	1940406920
SNP_P1_143605_24002166	NC_021166.1	Ca_kabuli_chr07	24002166	AA	TT	1940406922
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SNP_P1_143611_24016647	NC_021166.1	Ca_kabuli_chr07	24016647	CC	TT	1940406933
SNP_P1_143613_24037098	NC_021166.1	Ca_kabuli_chr07	24037098	TT	CC	1940406935
SNP_P1_143614_24037145	NC_021166.1	Ca_kabuli_chr07	24037145	AA	TT	1940406936
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SNP_P1_143617_24060145	NC_021166.1	Ca_kabuli_chr07	24060145	TT	CC	1940406940
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SNP_P1_143620_24098653	NC_021166.1	Ca_kabuli_chr07	24098653	TT	CC	1940406944
SNP_P1_143621_24098669	NC_021166.1	Ca_kabuli_chr07	24098669	AA	GG	1940406945
SNP_P1_143622_24100778	NC_021166.1	Ca_kabuli_chr07	24100778	TT	CC	1940406947
SNP_P1_143623_24101167	NC_021166.1	Ca_kabuli_chr07	24101167	AA	TT	1940406949
SNP_P1_143624_24107949	NC_021166.1	Ca_kabuli_chr07	24107949	TT	GG	1940406951
SNP_P1_143625_24108343	NC_021166.1	Ca_kabuli_chr07	24108343	AA	GG	1940406953
SNP_P1_143626_24117471	NC_021166.1	Ca_kabuli_chr07	24117471	AA	CC	1940406954
SNP_P1_143627_24118796	NC_021166.1	Ca_kabuli_chr07	24118796	CC	TT	1940406956
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SNP_P1_143630_24129128	NC_021166.1	Ca_kabuli_chr07	24129128	TT	AA	1940406962
SNP_P1_143631_24129674	NC_021166.1	Ca_kabuli_chr07	24129674	TT	CC	1940406963
SNP_P1_143632_24132424	NC_021166.1	Ca_kabuli_chr07	24132424	AA	CC	1940406965
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SNP_P1_143634_24199806	NC_021166.1	Ca_kabuli_chr07	24199806	GG	TT	1940406969

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143638_24212806	NC_021166.1	Ca_kabuli_chr07	24212806	AA	CC	1940406972
SNP_P1_143639_24212808	NC_021166.1	Ca_kabuli_chr07	24212808	TT	CC	1940406974
SNP_P1_143640_24252795	NC_021166.1	Ca_kabuli_chr07	24252795	GG	AA	1940406976
SNP_P1_143641_24258598	NC_021166.1	Ca_kabuli_chr07	24258598	AA	TT	1940406978
SNP_P1_143642_24260137	NC_021166.1	Ca_kabuli_chr07	24260137	TT	GG	1940406980
SNP_P1_143643_24260172	NC_021166.1	Ca_kabuli_chr07	24260172	CC	AA	1940406981
SNP_P1_143647_24283257	NC_021166.1	Ca_kabuli_chr07	24283257	AA	GG	1940406983
SNP_P1_143648_24283622	NC_021166.1	Ca_kabuli_chr07	24283622	AA	GG	1940406985
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SNP_P1_143650_24284103	NC_021166.1	Ca_kabuli_chr07	24284103	CC	GG	1940406989
SNP_P1_143651_24284718	NC_021166.1	Ca_kabuli_chr07	24284718	TT	AA	1940406990
SNP_P1_143652_24285077	NC_021166.1	Ca_kabuli_chr07	24285077	TT	CC	1940406992
SNP_P1_143653_24285081	NC_021166.1	Ca_kabuli_chr07	24285081	CC	GG	1940406994
SNP_P1_143654_24286261	NC_021166.1	Ca_kabuli_chr07	24286261	TT	CC	1940406996
SNP_P1_143655_24286579	NC_021166.1	Ca_kabuli_chr07	24286579	CC	AA	1940406998
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SNP_P1_143658_24290584	NC_021166.1	Ca_kabuli_chr07	24290584	TT	GG	1940407003
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SNP_P1_143667_24329192	NC_021166.1	Ca_kabuli_chr07	24329192	AA	CC	1940407017
SNP_P1_143668_24329474	NC_021166.1	Ca_kabuli_chr07	24329474	AA	TT	1940407019
SNP_P1_143669_24329477	NC_021166.1	Ca_kabuli_chr07	24329477	GG	CC	1940407021
SNP_P1_143670_24329586	NC_021166.1	Ca_kabuli_chr07	24329586	GG	AA	1940407023
SNP_P1_143671_24330486	NC_021166.1	Ca_kabuli_chr07	24330486	GG	AA	1940407024
SNP_P1_143672_24335283	NC_021166.1	Ca_kabuli_chr07	24335283	TT	GG	1940407026
SNP_P1_143673_24335312	NC_021166.1	Ca_kabuli_chr07	24335312	TT	GG	1940407028
SNP_P1_143674_24335396	NC_021166.1	Ca_kabuli_chr07	24335396	TT	CC	1940407030
SNP_P1_143675_24337784	NC_021166.1	Ca_kabuli_chr07	24337784	CC	TT	1940407032
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SNP_P1_143678_24348021	NC_021166.1	Ca_kabuli_chr07	24348021	CC	TT	1940407035
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SNP_P1_143680_24348315	NC_021166.1	Ca_kabuli_chr07	24348315	CC	TT	1940407039
SNP_P1_143682_24348384	NC_021166.1	Ca_kabuli_chr07	24348384	TT	CC	1940407041
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SNP_P1_143685_24348544	NC_021166.1	Ca_kabuli_chr07	24348544	CC	TT	1940407044

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143688_24348657	NC_021166.1	Ca_kabuli_chr07	24348657	AA	TT	1940407050
SNP_P1_143690_24348786	NC_021166.1	Ca_kabuli_chr07	24348786	GG	AA	1940407051
SNP_P1_143692_24363947	NC_021166.1	Ca_kabuli_chr07	24363947	CC	AA	1940407053
SNP_P1_143693_24365838	NC_021166.1	Ca_kabuli_chr07	24365838	TT	AA	1940407055
SNP_P1_143694_24365851	NC_021166.1	Ca_kabuli_chr07	24365851	GG	AA	1940407057
SNP_P1_143695_24365880	NC_021166.1	Ca_kabuli_chr07	24365880	AA	GG	1940407059
SNP_P1_143696_24365906	NC_021166.1	Ca_kabuli_chr07	24365906	CC	TT	1940407060
SNP_P1_143697_24365969	NC_021166.1	Ca_kabuli_chr07	24365969	TT	GG	1940407062
SNP_P1_143698_24365970	NC_021166.1	Ca_kabuli_chr07	24365970	TT	GG	1940407064
SNP_P1_143699_24366144	NC_021166.1	Ca_kabuli_chr07	24366144	TT	AA	1940407066
SNP_P1_143700_24381956	NC_021166.1	Ca_kabuli_chr07	24381956	AA	GG	1940407068
SNP_P1_143701_24386790	NC_021166.1	Ca_kabuli_chr07	24386790	AA	GG	1940407069
SNP_P1_143702_24398941	NC_021166.1	Ca_kabuli_chr07	24398941	AA	GG	1940407071
SNP_P1_143703_24408991	NC_021166.1	Ca_kabuli_chr07	24408991	TT	CC	1940407073
SNP_P1_143704_24409718	NC_021166.1	Ca_kabuli_chr07	24409718	GG	AA	1940407075
SNP_P1_143707_24436536	NC_021166.1	Ca_kabuli_chr07	24436536	TT	GG	1940407077
SNP_P1_143708_24442615	NC_021166.1	Ca_kabuli_chr07	24442615	AA	GG	1940407078
SNP_P1_143709_24449443	NC_021166.1	Ca_kabuli_chr07	24449443	AA	GG	1940407080
SNP_P1_143710_24449448	NC_021166.1	Ca_kabuli_chr07	24449448	AA	GG	1940407082
SNP_P1_143711_24449453	NC_021166.1	Ca_kabuli_chr07	24449453	GG	AA	1940407084
SNP_P1_143713_24453864	NC_021166.1	Ca_kabuli_chr07	24453864	AA	GG	1940407086
SNP_P1_143714_24454901	NC_021166.1	Ca_kabuli_chr07	24454901	GG	AA	1940407087
SNP_P1_143715_24454999	NC_021166.1	Ca_kabuli_chr07	24454999	TT	GG	1940407089
SNP_P1_143716_24456728	NC_021166.1	Ca_kabuli_chr07	24456728	GG	CC	1940407091
SNP_P1_143717_24456758	NC_021166.1	Ca_kabuli_chr07	24456758	AA	CC	1940407093
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SNP_P1_143719_24457164	NC_021166.1	Ca_kabuli_chr07	24457164	AA	CC	1940407096
SNP_P1_143720_24457175	NC_021166.1	Ca_kabuli_chr07	24457175	TT	CC	1940407098
SNP_P1_143721_24457176	NC_021166.1	Ca_kabuli_chr07	24457176	TT	CC	1940407100
SNP_P1_143722_24458257	NC_021166.1	Ca_kabuli_chr07	24458257	AA	GG	1940407102
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SNP_P1_143724_24462676	NC_021166.1	Ca_kabuli_chr07	24462676	AA	GG	1940407105
SNP_P1_143725_24463055	NC_021166.1	Ca_kabuli_chr07	24463055	GG	TT	1940407107
SNP_P1_143726_24467355	NC_021166.1	Ca_kabuli_chr07	24467355	TT	AA	1940407109
SNP_P1_143727_24469848	NC_021166.1	Ca_kabuli_chr07	24469848	AA	CC	1940407111
SNP_P1_143728_24473058	NC_021166.1	Ca_kabuli_chr07	24473058	GG	AA	1940407112
SNP_P1_143729_24485195	NC_021166.1	Ca_kabuli_chr07	24485195	TT	CC	1940407114
SNP_P1_143730_24485201	NC_021166.1	Ca_kabuli_chr07	24485201	TT	CC	1940407116
SNP_P1_143731_24485232	NC_021166.1	Ca_kabuli_chr07	24485232	AA	TT	1940407118
SNP_P1_143733_24485283	NC_021166.1	Ca_kabuli_chr07	24485283	TT	CC	1940407120

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143736_24485388	NC_021166.1	Ca_kabuli_chr07	24485388	CC	TT	1940407125
SNP_P1_143737_24485448	NC_021166.1	Ca_kabuli_chr07	24485448	CC	AA	1940407127
SNP_P1_143738_24485635	NC_021166.1	Ca_kabuli_chr07	24485635	CC	GG	1940407129
SNP_P1_143739_24485737	NC_021166.1	Ca_kabuli_chr07	24485737	CC	AA	1940407130
SNP_P1_143740_24485766	NC_021166.1	Ca_kabuli_chr07	24485766	GG	CC	1940407132
SNP_P1_143741_24485879	NC_021166.1	Ca_kabuli_chr07	24485879	AA	TT	1940407134
SNP_P1_143742_24486013	NC_021166.1	Ca_kabuli_chr07	24486013	TT	GG	1940407136
SNP_P1_143743_24486034	NC_021166.1	Ca_kabuli_chr07	24486034	CC	TT	1940407138
SNP_P1_143745_24492456	NC_021166.1	Ca_kabuli_chr07	24492456	GG	TT	1940407139
SNP_P1_143746_24492493	NC_021166.1	Ca_kabuli_chr07	24492493	GG	AA	1940407141
SNP_P1_143747_24492693	NC_021166.1	Ca_kabuli_chr07	24492693	CC	TT	1940407143
SNP_P1_143748_24492789	NC_021166.1	Ca_kabuli_chr07	24492789	GG	AA	1940407145
SNP_P1_143749_24492833	NC_021166.1	Ca_kabuli_chr07	24492833	GG	CC	1940407147
SNP_P1_143750_24492979	NC_021166.1	Ca_kabuli_chr07	24492979	AA	GG	1940407148
SNP_P1_143751_24493091	NC_021166.1	Ca_kabuli_chr07	24493091	TT	AA	1940407150
SNP_P1_143752_24493421	NC_021166.1	Ca_kabuli_chr07	24493421	AA	TT	1940407152
SNP_P1_143753_24493437	NC_021166.1	Ca_kabuli_chr07	24493437	GG	CC	1940407154
SNP_P1_143754_24493460	NC_021166.1	Ca_kabuli_chr07	24493460	AA	TT	1940407156
SNP_P1_143755_24493576	NC_021166.1	Ca_kabuli_chr07	24493576	CC	AA	1940407157
SNP_P1_143756_24494137	NC_021166.1	Ca_kabuli_chr07	24494137	CC	TT	1940407159
SNP_P1_143757_24494331	NC_021166.1	Ca_kabuli_chr07	24494331	AA	CC	1940407161
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SNP_P1_143759_24494498	NC_021166.1	Ca_kabuli_chr07	24494498	AA	CC	1940407165
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SNP_P1_143764_24495121	NC_021166.1	Ca_kabuli_chr07	24495121	AA	CC	1940407172
SNP_P1_143765_24495864	NC_021166.1	Ca_kabuli_chr07	24495864	CC	TT	1940407174
SNP_P1_143766_24496292	NC_021166.1	Ca_kabuli_chr07	24496292	AA	GG	1940407175
SNP_P1_143767_24496524	NC_021166.1	Ca_kabuli_chr07	24496524	TT	AA	1940407177
SNP_P1_143768_24496618	NC_021166.1	Ca_kabuli_chr07	24496618	GG	AA	1940407179
SNP_P1_143769_24496712	NC_021166.1	Ca_kabuli_chr07	24496712	CC	TT	1940407181
SNP_P1_143770_24497096	NC_021166.1	Ca_kabuli_chr07	24497096	CC	TT	1940407183
SNP_P1_143771_24501847	NC_021166.1	Ca_kabuli_chr07	24501847	GG	AA	1940407184
SNP_P1_143772_24502013	NC_021166.1	Ca_kabuli_chr07	24502013	GG	AA	1940407186
SNP_P1_143773_24502190	NC_021166.1	Ca_kabuli_chr07	24502190	CC	TT	1940407188
SNP_P1_143774_24502193	NC_021166.1	Ca_kabuli_chr07	24502193	GG	AA	1940407190
SNP_P1_143775_24502298	NC_021166.1	Ca_kabuli_chr07	24502298	CC	AA	1940407192
SNP_P1_143776_24503104	NC_021166.1	Ca_kabuli_chr07	24503104	TT	GG	1940407193
SNP_P1_143777_24503289	NC_021166.1	Ca_kabuli_chr07	24503289	GG	AA	1940407195

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143780_24503945	NC_021166.1	Ca_kabuli_chr07	24503945	TT	CC	1940407201
SNP_P1_143781_24504110	NC_021166.1	Ca_kabuli_chr07	24504110	TT	CC	1940407202
SNP_P1_143782_24504212	NC_021166.1	Ca_kabuli_chr07	24504212	GG	CC	1940407204
SNP_P1_143783_24504220	NC_021166.1	Ca_kabuli_chr07	24504220	CC	TT	1940407206
SNP_P1_143784_24505226	NC_021166.1	Ca_kabuli_chr07	24505226	TT	CC	1940407208
SNP_P1_143785_24505288	NC_021166.1	Ca_kabuli_chr07	24505288	TT	AA	1940407209
SNP_P1_143786_24505456	NC_021166.1	Ca_kabuli_chr07	24505456	AA	CC	1940407211
SNP_P1_143787_24505471	NC_021166.1	Ca_kabuli_chr07	24505471	TT	CC	1940407213
SNP_P1_143788_24505474	NC_021166.1	Ca_kabuli_chr07	24505474	GG	AA	1940407215
SNP_P1_143789_24505484	NC_021166.1	Ca_kabuli_chr07	24505484	AA	CC	1940407217
SNP_P1_143790_24505501	NC_021166.1	Ca_kabuli_chr07	24505501	AA	TT	1940407218
SNP_P1_143791_24508766	NC_021166.1	Ca_kabuli_chr07	24508766	GG	AA	1940407220
SNP_P1_143792_24517167	NC_021166.1	Ca_kabuli_chr07	24517167	CC	GG	1940407222
SNP_P1_143793_24525755	NC_021166.1	Ca_kabuli_chr07	24525755	TT	CC	1940407224
SNP_P1_143794_24525785	NC_021166.1	Ca_kabuli_chr07	24525785	AA	GG	1940407226
SNP_P1_143795_24525956	NC_021166.1	Ca_kabuli_chr07	24525956	CC	TT	1940407227
SNP_P1_143796_24526087	NC_021166.1	Ca_kabuli_chr07	24526087	AA	GG	1940407229
SNP_P1_143797_24526108	NC_021166.1	Ca_kabuli_chr07	24526108	GG	TT	1940407231
SNP_P1_143798_24526145	NC_021166.1	Ca_kabuli_chr07	24526145	AA	GG	1940407233
SNP_P1_143799_24527151	NC_021166.1	Ca_kabuli_chr07	24527151	AA	GG	1940407235
SNP_P1_143800_24534713	NC_021166.1	Ca_kabuli_chr07	24534713	GG	AA	1940407236
SNP_P1_143801_24543270	NC_021166.1	Ca_kabuli_chr07	24543270	TT	AA	1940407238
SNP_P1_143802_24556525	NC_021166.1	Ca_kabuli_chr07	24556525	AA	TT	1940407240
SNP_P1_143803_24556546	NC_021166.1	Ca_kabuli_chr07	24556546	AA	TT	1940407242
SNP_P1_143804_24556593	NC_021166.1	Ca_kabuli_chr07	24556593	GG	AA	1940407244
SNP_P1_143806_24597069	NC_021166.1	Ca_kabuli_chr07	24597069	GG	AA	1940407245
SNP_P1_143807_24601586	NC_021166.1	Ca_kabuli_chr07	24601586	AA	GG	1940407247
SNP_P1_143808_24601622	NC_021166.1	Ca_kabuli_chr07	24601622	AA	TT	1940407249
SNP_P1_143809_24601898	NC_021166.1	Ca_kabuli_chr07	24601898	AA	GG	1940407251
SNP_P1_143810_24601910	NC_021166.1	Ca_kabuli_chr07	24601910	AA	GG	1940407253
SNP_P1_143811_24601912	NC_021166.1	Ca_kabuli_chr07	24601912	TT	GG	1940407254
SNP_P1_143812_24602193	NC_021166.1	Ca_kabuli_chr07	24602193	AA	CC	1940407256
SNP_P1_143813_24607578	NC_021166.1	Ca_kabuli_chr07	24607578	AA	CC	1940407258
SNP_P1_143814_24609798	NC_021166.1	Ca_kabuli_chr07	24609798	CC	TT	1940407260
SNP_P1_143815_24616529	NC_021166.1	Ca_kabuli_chr07	24616529	AA	GG	1940407262
SNP_P1_143816_24616734	NC_021166.1	Ca_kabuli_chr07	24616734	CC	AA	1940407263
SNP_P1_143817_24616744	NC_021166.1	Ca_kabuli_chr07	24616744	GG	AA	1940407265
SNP_P1_143818_24616828	NC_021166.1	Ca_kabuli_chr07	24616828	AA	GG	1940407267
SNP_P1_143819_24616856	NC_021166.1	Ca_kabuli_chr07	24616856	AA	TT	1940407269
SNP_P1_143820_24616857	NC_021166.1	Ca_kabuli_chr07	24616857	AA	GG	1940407271

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143822_24627323	NC_021166.1	Ca_kabuli_chr07	24627323	AA	GG	1940407274
SNP_P1_143823_24657819	NC_021166.1	Ca_kabuli_chr07	24657819	AA	GG	1940407276
SNP_P1_143825_24675009	NC_021166.1	Ca_kabuli_chr07	24675009	AA	CC	1940407278
SNP_P1_143826_24679770	NC_021166.1	Ca_kabuli_chr07	24679770	GG	AA	1940407280
SNP_P1_143827_24681756	NC_021166.1	Ca_kabuli_chr07	24681756	AA	GG	1940407281
SNP_P1_143828_24684996	NC_021166.1	Ca_kabuli_chr07	24684996	AA	GG	1940407283
SNP_P1_143829_24691213	NC_021166.1	Ca_kabuli_chr07	24691213	AA	GG	1940407285
SNP_P1_143830_24710120	NC_021166.1	Ca_kabuli_chr07	24710120	GG	TT	1940407287
SNP_P1_143831_24710236	NC_021166.1	Ca_kabuli_chr07	24710236	TT	CC	1940407289
SNP_P1_143832_24710246	NC_021166.1	Ca_kabuli_chr07	24710246	AA	GG	1940407290
SNP_P1_143833_24710251	NC_021166.1	Ca_kabuli_chr07	24710251	TT	GG	1940407292
SNP_P1_143834_24710254	NC_021166.1	Ca_kabuli_chr07	24710254	AA	TT	1940407294
SNP_P1_143835_24710273	NC_021166.1	Ca_kabuli_chr07	24710273	GG	AA	1940407296
SNP_P1_143836_24710541	NC_021166.1	Ca_kabuli_chr07	24710541	CC	TT	1940407298
SNP_P1_143837_24710585	NC_021166.1	Ca_kabuli_chr07	24710585	AA	GG	1940407299
SNP_P1_143839_24725689	NC_021166.1	Ca_kabuli_chr07	24725689	AA	CC	1940407301
SNP_P1_143840_24725698	NC_021166.1	Ca_kabuli_chr07	24725698	AA	GG	1940407303
SNP_P1_143841_24725774	NC_021166.1	Ca_kabuli_chr07	24725774	AA	GG	1940407305
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SNP_P1_143847_24750701	NC_021166.1	Ca_kabuli_chr07	24750701	CC	AA	1940407315
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SNP_P1_143862_24847890	NC_021166.1	Ca_kabuli_chr07	24847890	TT	CC	1940407341
SNP_P1_143863_24850925	NC_021166.1	Ca_kabuli_chr07	24850925	AA	GG	1940407342
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SNP_P1_143865_24851227	NC_021166.1	Ca_kabuli_chr07	24851227	AA	TT	1940407346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143868_24856523	NC_021166.1	Ca_kabuli_chr07	24856523	CC	GG	1940407351
SNP_P1_143869_24856530	NC_021166.1	Ca_kabuli_chr07	24856530	TT	GG	1940407353
SNP_P1_143870_24856545	NC_021166.1	Ca_kabuli_chr07	24856545	CC	AA	1940407355
SNP_P1_143871_24856552	NC_021166.1	Ca_kabuli_chr07	24856552	CC	TT	1940407357
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SNP_P1_143874_24856896	NC_021166.1	Ca_kabuli_chr07	24856896	AA	GG	1940407360
SNP_P1_143875_24856931	NC_021166.1	Ca_kabuli_chr07	24856931	TT	GG	1940407362
SNP_P1_143876_24856932	NC_021166.1	Ca_kabuli_chr07	24856932	CC	AA	1940407364
SNP_P1_143877_24856962	NC_021166.1	Ca_kabuli_chr07	24856962	GG	AA	1940407366
SNP_P1_143878_24856965	NC_021166.1	Ca_kabuli_chr07	24856965	TT	CC	1940407368
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SNP_P1_143881_24867712	NC_021166.1	Ca_kabuli_chr07	24867712	AA	GG	1940407373
SNP_P1_143882_24870102	NC_021166.1	Ca_kabuli_chr07	24870102	AA	GG	1940407375
SNP_P1_143883_24870111	NC_021166.1	Ca_kabuli_chr07	24870111	GG	AA	1940407377
SNP_P1_143884_24870138	NC_021166.1	Ca_kabuli_chr07	24870138	CC	TT	1940407378
SNP_P1_143885_24872012	NC_021166.1	Ca_kabuli_chr07	24872012	AA	CC	1940407380
SNP_P1_143887_24885043	NC_021166.1	Ca_kabuli_chr07	24885043	TT	AA	1940407382
SNP_P1_143888_24885079	NC_021166.1	Ca_kabuli_chr07	24885079	TT	CC	1940407384
SNP_P1_143889_24924036	NC_021166.1	Ca_kabuli_chr07	24924036	GG	AA	1940407385
SNP_P1_143890_24924913	NC_021166.1	Ca_kabuli_chr07	24924913	AA	CC	1940407387
SNP_P1_143891_24924915	NC_021166.1	Ca_kabuli_chr07	24924915	CC	AA	1940407389
SNP_P1_143892_24939033	NC_021166.1	Ca_kabuli_chr07	24939033	GG	AA	1940407391
SNP_P1_143893_24949904	NC_021166.1	Ca_kabuli_chr07	24949904	AA	GG	1940407393
SNP_P1_143894_24983611	NC_021166.1	Ca_kabuli_chr07	24983611	GG	AA	1940407394
SNP_P1_143895_24992269	NC_021166.1	Ca_kabuli_chr07	24992269	AA	GG	1940407396
SNP_P1_143896_24992277	NC_021166.1	Ca_kabuli_chr07	24992277	AA	GG	1940407398
SNP_P1_143897_24992306	NC_021166.1	Ca_kabuli_chr07	24992306	TT	AA	1940407400
SNP_P1_143898_24992338	NC_021166.1	Ca_kabuli_chr07	24992338	GG	AA	1940407402
SNP_P1_143899_24998748	NC_021166.1	Ca_kabuli_chr07	24998748	GG	AA	1940407403
SNP_P1_143900_25013941	NC_021166.1	Ca_kabuli_chr07	25013941	GG	TT	1940407405
SNP_P1_143902_25018287	NC_021166.1	Ca_kabuli_chr07	25018287	TT	GG	1940407407
SNP_P1_143903_25019002	NC_021166.1	Ca_kabuli_chr07	25019002	CC	TT	1940407409
SNP_P1_143904_25028871	NC_021166.1	Ca_kabuli_chr07	25028871	GG	CC	1940407411
SNP_P1_143905_25030467	NC_021166.1	Ca_kabuli_chr07	25030467	GG	CC	1940407412
SNP_P1_143907_25030534	NC_021166.1	Ca_kabuli_chr07	25030534	TT	CC	1940407414
SNP_P1_143908_25030545	NC_021166.1	Ca_kabuli_chr07	25030545	CC	TT	1940407416
SNP_P1_143909_25030701	NC_021166.1	Ca_kabuli_chr07	25030701	GG	AA	1940407418
SNP_P1_143910_25030818	NC_021166.1	Ca_kabuli_chr07	25030818	TT	GG	1940407420
SNP_P1_143911_25031000	NC_021166.1	Ca_kabuli_chr07	25031000	AA	GG	1940407421

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143913_25031257	NC_021166.1	Ca_kabuli_chr07	25031257	AA	TT	1940407425
SNP_P1_143914_25031269	NC_021166.1	Ca_kabuli_chr07	25031269	AA	CC	1940407427
SNP_P1_143915_25031752	NC_021166.1	Ca_kabuli_chr07	25031752	AA	GG	1940407429
SNP_P1_143916_25050887	NC_021166.1	Ca_kabuli_chr07	25050887	GG	AA	1940407430
SNP_P1_143917_25050888	NC_021166.1	Ca_kabuli_chr07	25050888	AA	GG	1940407432
SNP_P1_143918_25050897	NC_021166.1	Ca_kabuli_chr07	25050897	AA	CC	1940407434
SNP_P1_143919_25052893	NC_021166.1	Ca_kabuli_chr07	25052893	AA	CC	1940407436
SNP_P1_143920_25053172	NC_021166.1	Ca_kabuli_chr07	25053172	AA	GG	1940407438
SNP_P1_143921_25057263	NC_021166.1	Ca_kabuli_chr07	25057263	TT	GG	1940407439
SNP_P1_143922_25069497	NC_021166.1	Ca_kabuli_chr07	25069497	TT	AA	1940407441
SNP_P1_143923_25076043	NC_021166.1	Ca_kabuli_chr07	25076043	AA	CC	1940407443
SNP_P1_143924_25076052	NC_021166.1	Ca_kabuli_chr07	25076052	AA	TT	1940407445
SNP_P1_143925_25076099	NC_021166.1	Ca_kabuli_chr07	25076099	AA	GG	1940407447
SNP_P1_143926_25078586	NC_021166.1	Ca_kabuli_chr07	25078586	AA	GG	1940407448
SNP_P1_143927_25078600	NC_021166.1	Ca_kabuli_chr07	25078600	AA	TT	1940407450
SNP_P1_143928_25078660	NC_021166.1	Ca_kabuli_chr07	25078660	AA	TT	1940407452
SNP_P1_143929_25078666	NC_021166.1	Ca_kabuli_chr07	25078666	AA	TT	1940407454
SNP_P1_143930_25078936	NC_021166.1	Ca_kabuli_chr07	25078936	CC	TT	1940407455
SNP_P1_143931_25079033	NC_021166.1	Ca_kabuli_chr07	25079033	TT	GG	1940407457
SNP_P1_143932_25079034	NC_021166.1	Ca_kabuli_chr07	25079034	TT	CC	1940407459
SNP_P1_143933_25079047	NC_021166.1	Ca_kabuli_chr07	25079047	GG	AA	1940407461
SNP_P1_143934_25087946	NC_021166.1	Ca_kabuli_chr07	25087946	TT	GG	1940407463
SNP_P1_143935_25091626	NC_021166.1	Ca_kabuli_chr07	25091626	AA	TT	1940407464
SNP_P1_143936_25098085	NC_021166.1	Ca_kabuli_chr07	25098085	TT	AA	1940407466
SNP_P1_143937_25105060	NC_021166.1	Ca_kabuli_chr07	25105060	AA	GG	1940407468
SNP_P1_143938_25105094	NC_021166.1	Ca_kabuli_chr07	25105094	TT	CC	1940407470
SNP_P1_143939_25105097	NC_021166.1	Ca_kabuli_chr07	25105097	GG	AA	1940407472
SNP_P1_143940_25105100	NC_021166.1	Ca_kabuli_chr07	25105100	CC	AA	1940407473
SNP_P1_143941_25111088	NC_021166.1	Ca_kabuli_chr07	25111088	GG	AA	1940407475
SNP_P1_143943_25111240	NC_021166.1	Ca_kabuli_chr07	25111240	AA	TT	1940407477
SNP_P1_143944_25113354	NC_021166.1	Ca_kabuli_chr07	25113354	CC	AA	1940407479
SNP_P1_143945_25118828	NC_021166.1	Ca_kabuli_chr07	25118828	TT	CC	1940407481
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SNP_P1_143947_25118861	NC_021166.1	Ca_kabuli_chr07	25118861	AA	GG	1940407484
SNP_P1_143948_25120390	NC_021166.1	Ca_kabuli_chr07	25120390	GG	TT	1940407486
SNP_P1_143949_25127915	NC_021166.1	Ca_kabuli_chr07	25127915	GG	AA	1940407488
SNP_P1_143950_25128271	NC_021166.1	Ca_kabuli_chr07	25128271	AA	GG	1940407490
SNP_P1_143951_25128350	NC_021166.1	Ca_kabuli_chr07	25128350	TT	GG	1940407491
SNP_P1_143952_25128387	NC_021166.1	Ca_kabuli_chr07	25128387	TT	CC	1940407493
SNP_P1_143953_25144616	NC_021166.1	Ca_kabuli_chr07	25144616	TT	CC	1940407495
SNP_P1_143954_25144620	NC_021166.1	Ca_kabuli_chr07	25144620	TT	CC	1940407497

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_143956_25151347	NC_021166.1	Ca_kabuli_chr07	25151347	GG	AA	1940407500
SNP_P1_143957_25158913	NC_021166.1	Ca_kabuli_chr07	25158913	GG	AA	1940407502
SNP_P1_143958_25159783	NC_021166.1	Ca_kabuli_chr07	25159783	AA	CC	1940407504
SNP_P1_143959_25160873	NC_021166.1	Ca_kabuli_chr07	25160873	AA	GG	1940407506
SNP_P1_143962_25206093	NC_021166.1	Ca_kabuli_chr07	25206093	AA	GG	1940407508
SNP_P1_143963_25206127	NC_021166.1	Ca_kabuli_chr07	25206127	GG	AA	1940407509
SNP_P1_143964_25206151	NC_021166.1	Ca_kabuli_chr07	25206151	TT	GG	1940407511
SNP_P1_143965_25206440	NC_021166.1	Ca_kabuli_chr07	25206440	AA	GG	1940407513
SNP_P1_143966_25206666	NC_021166.1	Ca_kabuli_chr07	25206666	TT	CC	1940407515
SNP_P1_143967_25218189	NC_021166.1	Ca_kabuli_chr07	25218189	CC	TT	1940407517
SNP_P1_143968_25218196	NC_021166.1	Ca_kabuli_chr07	25218196	TT	CC	1940407518
SNP_P1_143969_25218201	NC_021166.1	Ca_kabuli_chr07	25218201	CC	GG	1940407520
SNP_P1_143970_25218243	NC_021166.1	Ca_kabuli_chr07	25218243	CC	AA	1940407522
SNP_P1_143971_25219173	NC_021166.1	Ca_kabuli_chr07	25219173	AA	GG	1940407524
SNP_P1_143972_25219198	NC_021166.1	Ca_kabuli_chr07	25219198	TT	AA	1940407526
SNP_P1_143974_25219455	NC_021166.1	Ca_kabuli_chr07	25219455	GG	AA	1940407527
SNP_P1_143975_25225797	NC_021166.1	Ca_kabuli_chr07	25225797	TT	CC	1940407529
SNP_P1_143976_25225897	NC_021166.1	Ca_kabuli_chr07	25225897	AA	GG	1940407531
SNP_P1_143978_25241012	NC_021166.1	Ca_kabuli_chr07	25241012	CC	TT	1940407533
SNP_P1_143979_25259290	NC_021166.1	Ca_kabuli_chr07	25259290	AA	TT	1940407535
SNP_P1_143980_25277848	NC_021166.1	Ca_kabuli_chr07	25277848	GG	CC	1940407536
SNP_P1_143981_25277855	NC_021166.1	Ca_kabuli_chr07	25277855	CC	AA	1940407538
SNP_P1_143982_25277874	NC_021166.1	Ca_kabuli_chr07	25277874	AA	GG	1940407540
SNP_P1_143983_25277886	NC_021166.1	Ca_kabuli_chr07	25277886	TT	CC	1940407542
SNP_P1_143984_25277896	NC_021166.1	Ca_kabuli_chr07	25277896	TT	CC	1940407544
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SNP_P1_143986_25278182	NC_021166.1	Ca_kabuli_chr07	25278182	TT	GG	1940407547
SNP_P1_143987_25278207	NC_021166.1	Ca_kabuli_chr07	25278207	GG	TT	1940407549
SNP_P1_143988_25278216	NC_021166.1	Ca_kabuli_chr07	25278216	CC	AA	1940407551
SNP_P1_143989_25278437	NC_021166.1	Ca_kabuli_chr07	25278437	AA	GG	1940407553
SNP_P1_143990_25278440	NC_021166.1	Ca_kabuli_chr07	25278440	TT	AA	1940407554
SNP_P1_143991_25278446	NC_021166.1	Ca_kabuli_chr07	25278446	TT	GG	1940407556
SNP_P1_143992_25278492	NC_021166.1	Ca_kabuli_chr07	25278492	CC	AA	1940407558
SNP_P1_143993_25278517	NC_021166.1	Ca_kabuli_chr07	25278517	CC	TT	1940407560
SNP_P1_143994_25278567	NC_021166.1	Ca_kabuli_chr07	25278567	CC	TT	1940407562
SNP_P1_143995_25278668	NC_021166.1	Ca_kabuli_chr07	25278668	TT	AA	1940407563
SNP_P1_143996_25278845	NC_021166.1	Ca_kabuli_chr07	25278845	CC	TT	1940407565
SNP_P1_143997_25278914	NC_021166.1	Ca_kabuli_chr07	25278914	AA	CC	1940407567
SNP_P1_143998_25278915	NC_021166.1	Ca_kabuli_chr07	25278915	AA	GG	1940407569
SNP_P1_143999_25278918	NC_021166.1	Ca_kabuli_chr07	25278918	TT	AA	1940407571
SNP_P1_144000_25278951	NC_021166.1	Ca_kabuli_chr07	25278951	AA	TT	1940407572

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144002_25290080	NC_021166.1	Ca_kabuli_chr07	25290080	AA	GG	1940407576
SNP_P1_144004_25295783	NC_021166.1	Ca_kabuli_chr07	25295783	AA	GG	1940407578
SNP_P1_144005_25295856	NC_021166.1	Ca_kabuli_chr07	25295856	CC	TT	1940407580
SNP_P1_144006_25296446	NC_021166.1	Ca_kabuli_chr07	25296446	AA	CC	1940407581
SNP_P1_144008_25305399	NC_021166.1	Ca_kabuli_chr07	25305399	AA	CC	1940407583
SNP_P1_144010_25328594	NC_021166.1	Ca_kabuli_chr07	25328594	GG	AA	1940407585
SNP_P1_144011_25336691	NC_021166.1	Ca_kabuli_chr07	25336691	AA	TT	1940407587
SNP_P1_144013_25346088	NC_021166.1	Ca_kabuli_chr07	25346088	GG	TT	1940407589
SNP_P1_144014_25360118	NC_021166.1	Ca_kabuli_chr07	25360118	TT	CC	1940407590
SNP_P1_144015_25376026	NC_021166.1	Ca_kabuli_chr07	25376026	GG	AA	1940407592
SNP_P1_144016_25380474	NC_021166.1	Ca_kabuli_chr07	25380474	AA	GG	1940407594
SNP_P1_144017_25398479	NC_021166.1	Ca_kabuli_chr07	25398479	CC	GG	1940407596
SNP_P1_144018_25403097	NC_021166.1	Ca_kabuli_chr07	25403097	TT	CC	1940407598
SNP_P1_144019_25405303	NC_021166.1	Ca_kabuli_chr07	25405303	GG	AA	1940407599
SNP_P1_144020_25418271	NC_021166.1	Ca_kabuli_chr07	25418271	AA	GG	1940407601
SNP_P1_144021_25422675	NC_021166.1	Ca_kabuli_chr07	25422675	GG	AA	1940407603
SNP_P1_144023_25424008	NC_021166.1	Ca_kabuli_chr07	25424008	TT	CC	1940407605
SNP_P1_144024_25424044	NC_021166.1	Ca_kabuli_chr07	25424044	GG	TT	1940407607
SNP_P1_144026_25437981	NC_021166.1	Ca_kabuli_chr07	25437981	TT	CC	1940407608
SNP_P1_144027_25438058	NC_021166.1	Ca_kabuli_chr07	25438058	GG	AA	1940407610
SNP_P1_144028_25438220	NC_021166.1	Ca_kabuli_chr07	25438220	TT	CC	1940407612
SNP_P1_144029_25438335	NC_021166.1	Ca_kabuli_chr07	25438335	CC	AA	1940407614
SNP_P1_144030_25438352	NC_021166.1	Ca_kabuli_chr07	25438352	GG	AA	1940407616
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SNP_P1_144032_25438441	NC_021166.1	Ca_kabuli_chr07	25438441	TT	CC	1940407619
SNP_P1_144033_25442488	NC_021166.1	Ca_kabuli_chr07	25442488	TT	GG	1940407621
SNP_P1_144034_25452771	NC_021166.1	Ca_kabuli_chr07	25452771	AA	GG	1940407623
SNP_P1_144035_25467303	NC_021166.1	Ca_kabuli_chr07	25467303	AA	CC	1940407624
SNP_P1_144036_25467360	NC_021166.1	Ca_kabuli_chr07	25467360	TT	GG	1940407626
SNP_P1_144038_25477153	NC_021166.1	Ca_kabuli_chr07	25477153	CC	GG	1940407628
SNP_P1_144039_25481681	NC_021166.1	Ca_kabuli_chr07	25481681	TT	CC	1940407630
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SNP_P1_144041_25504850	NC_021166.1	Ca_kabuli_chr07	25504850	TT	GG	1940407633
SNP_P1_144042_25509175	NC_021166.1	Ca_kabuli_chr07	25509175	TT	CC	1940407635
SNP_P1_144043_25509314	NC_021166.1	Ca_kabuli_chr07	25509314	AA	GG	1940407637
SNP_P1_144044_25509802	NC_021166.1	Ca_kabuli_chr07	25509802	AA	CC	1940407639
SNP_P1_144046_25511590	NC_021166.1	Ca_kabuli_chr07	25511590	AA	GG	1940407641
SNP_P1_144047_25514333	NC_021166.1	Ca_kabuli_chr07	25514333	TT	CC	1940407642
SNP_P1_144048_25514383	NC_021166.1	Ca_kabuli_chr07	25514383	CC	TT	1940407644
SNP_P1_144049_25515903	NC_021166.1	Ca_kabuli_chr07	25515903	CC	TT	1940407646
SNP_P1_144050_25539560	NC_021166.1	Ca_kabuli_chr07	25539560	AA	GG	1940407648

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144054_25563179	NC_021166.1	Ca_kabuli_chr07	25563179	GG	AA	1940407653
SNP_P1_144055_25570144	NC_021166.1	Ca_kabuli_chr07	25570144	CC	TT	1940407655
SNP_P1_144056_25589365	NC_021166.1	Ca_kabuli_chr07	25589365	GG	AA	1940407657
SNP_P1_144057_25592068	NC_021166.1	Ca_kabuli_chr07	25592068	CC	TT	1940407659
SNP_P1_144058_25611702	NC_021166.1	Ca_kabuli_chr07	25611702	GG	AA	1940407660
SNP_P1_144060_25617939	NC_021166.1	Ca_kabuli_chr07	25617939	TT	CC	1940407662
SNP_P1_144061_25621246	NC_021166.1	Ca_kabuli_chr07	25621246	GG	AA	1940407664
SNP_P1_144062_25625047	NC_021166.1	Ca_kabuli_chr07	25625047	CC	TT	1940407666
SNP_P1_144063_25626887	NC_021166.1	Ca_kabuli_chr07	25626887	CC	TT	1940407668
SNP_P1_144065_25626902	NC_021166.1	Ca_kabuli_chr07	25626902	AA	GG	1940407669
SNP_P1_144066_25640421	NC_021166.1	Ca_kabuli_chr07	25640421	CC	TT	1940407671
SNP_P1_144067_25640454	NC_021166.1	Ca_kabuli_chr07	25640454	GG	CC	1940407673
SNP_P1_144068_25640463	NC_021166.1	Ca_kabuli_chr07	25640463	AA	TT	1940407675
SNP_P1_144069_25642039	NC_021166.1	Ca_kabuli_chr07	25642039	TT	CC	1940407677
SNP_P1_144070_25644135	NC_021166.1	Ca_kabuli_chr07	25644135	TT	CC	1940407678
SNP_P1_144071_25665843	NC_021166.1	Ca_kabuli_chr07	25665843	GG	AA	1940407680
SNP_P1_144072_25677750	NC_021166.1	Ca_kabuli_chr07	25677750	GG	AA	1940407682
SNP_P1_144073_25681151	NC_021166.1	Ca_kabuli_chr07	25681151	AA	CC	1940407684
SNP_P1_144074_25682363	NC_021166.1	Ca_kabuli_chr07	25682363	CC	TT	1940407686
SNP_P1_144075_25688090	NC_021166.1	Ca_kabuli_chr07	25688090	CC	AA	1940407687
SNP_P1_144077_25692151	NC_021166.1	Ca_kabuli_chr07	25692151	AA	GG	1940407689
SNP_P1_144078_25692450	NC_021166.1	Ca_kabuli_chr07	25692450	GG	AA	1940407691
SNP_P1_144079_25692452	NC_021166.1	Ca_kabuli_chr07	25692452	TT	CC	1940407693
SNP_P1_144080_25694573	NC_021166.1	Ca_kabuli_chr07	25694573	CC	TT	1940407695
SNP_P1_144081_25696693	NC_021166.1	Ca_kabuli_chr07	25696693	CC	AA	1940407696
SNP_P1_144082_25706911	NC_021166.1	Ca_kabuli_chr07	25706911	GG	AA	1940407698
SNP_P1_144083_25722261	NC_021166.1	Ca_kabuli_chr07	25722261	TT	CC	1940407700
SNP_P1_144084_25724791	NC_021166.1	Ca_kabuli_chr07	25724791	TT	CC	1940407702
SNP_P1_144085_25725323	NC_021166.1	Ca_kabuli_chr07	25725323	AA	GG	1940407704
SNP_P1_144086_25732023	NC_021166.1	Ca_kabuli_chr07	25732023	CC	TT	1940407705
SNP_P1_144088_25752130	NC_021166.1	Ca_kabuli_chr07	25752130	CC	AA	1940407707
SNP_P1_144089_25767854	NC_021166.1	Ca_kabuli_chr07	25767854	AA	GG	1940407709
SNP_P1_144090_25774367	NC_021166.1	Ca_kabuli_chr07	25774367	GG	AA	1940407711
SNP_P1_144091_25774828	NC_021166.1	Ca_kabuli_chr07	25774828	TT	CC	1940407713
SNP_P1_144092_25786520	NC_021166.1	Ca_kabuli_chr07	25786520	AA	GG	1940407714
SNP_P1_144093_25790446	NC_021166.1	Ca_kabuli_chr07	25790446	GG	AA	1940407716
SNP_P1_144094_25794615	NC_021166.1	Ca_kabuli_chr07	25794615	AA	GG	1940407718
SNP_P1_144095_25796051	NC_021166.1	Ca_kabuli_chr07	25796051	GG	AA	1940407720
SNP_P1_144096_25810785	NC_021166.1	Ca_kabuli_chr07	25810785	CC	TT	1940407722
SNP_P1_144097_25815928	NC_021166.1	Ca_kabuli_chr07	25815928	TT	GG	1940407723

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144099_25815958	NC_021166.1	Ca_kabuli_chr07	25815958	TT	CC	1940407727
SNP_P1_144100_25816103	NC_021166.1	Ca_kabuli_chr07	25816103	TT	CC	1940407729
SNP_P1_144101_25816172	NC_021166.1	Ca_kabuli_chr07	25816172	CC	TT	1940407731
SNP_P1_144102_25833163	NC_021166.1	Ca_kabuli_chr07	25833163	TT	CC	1940407732
SNP_P1_144103_25833182	NC_021166.1	Ca_kabuli_chr07	25833182	TT	CC	1940407734
SNP_P1_144104_25833204	NC_021166.1	Ca_kabuli_chr07	25833204	GG	TT	1940407736
SNP_P1_144105_25833222	NC_021166.1	Ca_kabuli_chr07	25833222	TT	CC	1940407738
SNP_P1_144106_25833341	NC_021166.1	Ca_kabuli_chr07	25833341	CC	TT	1940407740
SNP_P1_144107_25833389	NC_021166.1	Ca_kabuli_chr07	25833389	CC	TT	1940407741
SNP_P1_144108_25833393	NC_021166.1	Ca_kabuli_chr07	25833393	CC	AA	1940407743
SNP_P1_144109_25833789	NC_021166.1	Ca_kabuli_chr07	25833789	TT	GG	1940407745
SNP_P1_144111_25834027	NC_021166.1	Ca_kabuli_chr07	25834027	GG	AA	1940407747
SNP_P1_144112_25834050	NC_021166.1	Ca_kabuli_chr07	25834050	CC	TT	1940407749
SNP_P1_144113_25834090	NC_021166.1	Ca_kabuli_chr07	25834090	GG	AA	1940407750
SNP_P1_144114_25834199	NC_021166.1	Ca_kabuli_chr07	25834199	CC	TT	1940407752
SNP_P1_144115_25862052	NC_021166.1	Ca_kabuli_chr07	25862052	GG	AA	1940407754
SNP_P1_144116_25862117	NC_021166.1	Ca_kabuli_chr07	25862117	TT	CC	1940407756
SNP_P1_144117_25862216	NC_021166.1	Ca_kabuli_chr07	25862216	AA	TT	1940407757
SNP_P1_144118_25862312	NC_021166.1	Ca_kabuli_chr07	25862312	TT	AA	1940407759
SNP_P1_144119_25862462	NC_021166.1	Ca_kabuli_chr07	25862462	AA	GG	1940407761
SNP_P1_144120_25862496	NC_021166.1	Ca_kabuli_chr07	25862496	AA	TT	1940407763
SNP_P1_144121_25862531	NC_021166.1	Ca_kabuli_chr07	25862531	AA	GG	1940407764
SNP_P1_144122_25862534	NC_021166.1	Ca_kabuli_chr07	25862534	CC	GG	1940407766
SNP_P1_144123_25862577	NC_021166.1	Ca_kabuli_chr07	25862577	TT	GG	1940407768
SNP_P1_144124_25862821	NC_021166.1	Ca_kabuli_chr07	25862821	TT	GG	1940407770
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SNP_P1_144126_25867556	NC_021166.1	Ca_kabuli_chr07	25867556	CC	TT	1940407773
SNP_P1_144127_25871757	NC_021166.1	Ca_kabuli_chr07	25871757	GG	AA	1940407775
SNP_P1_144128_25871837	NC_021166.1	Ca_kabuli_chr07	25871837	AA	GG	1940407777
SNP_P1_144129_25871931	NC_021166.1	Ca_kabuli_chr07	25871931	CC	TT	1940407779
SNP_P1_144130_25871997	NC_021166.1	Ca_kabuli_chr07	25871997	AA	TT	1940407781
SNP_P1_144131_25872075	NC_021166.1	Ca_kabuli_chr07	25872075	GG	AA	1940407782
SNP_P1_144132_25872235	NC_021166.1	Ca_kabuli_chr07	25872235	GG	AA	1940407784
SNP_P1_144133_25872268	NC_021166.1	Ca_kabuli_chr07	25872268	GG	AA	1940407786
SNP_P1_144134_25872279	NC_021166.1	Ca_kabuli_chr07	25872279	GG	AA	1940407788
SNP_P1_144135_25876585	NC_021166.1	Ca_kabuli_chr07	25876585	CC	AA	1940407790
SNP_P1_144136_25885021	NC_021166.1	Ca_kabuli_chr07	25885021	TT	AA	1940407791
SNP_P1_144137_25892046	NC_021166.1	Ca_kabuli_chr07	25892046	CC	AA	1940407793
SNP_P1_144138_25899884	NC_021166.1	Ca_kabuli_chr07	25899884	TT	CC	1940407795
SNP_P1_144139_25899922	NC_021166.1	Ca_kabuli_chr07	25899922	AA	CC	1940407797
SNP_P1_144140_25899937	NC_021166.1	Ca_kabuli_chr07	25899937	CC	AA	1940407799

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144142_25899980	NC_021166.1	Ca_kabuli_chr07	25899980	CC	TT	1940407802
SNP_P1_144143_25900687	NC_021166.1	Ca_kabuli_chr07	25900687	CC	TT	1940407804
SNP_P1_144144_25904911	NC_021166.1	Ca_kabuli_chr07	25904911	TT	CC	1940407806
SNP_P1_144145_25911418	NC_021166.1	Ca_kabuli_chr07	25911418	TT	CC	1940407808
SNP_P1_144146_25918813	NC_021166.1	Ca_kabuli_chr07	25918813	GG	TT	1940407809
SNP_P1_144147_25919379	NC_021166.1	Ca_kabuli_chr07	25919379	GG	TT	1940407811
SNP_P1_144148_25928073	NC_021166.1	Ca_kabuli_chr07	25928073	TT	CC	1940407813
SNP_P1_144149_25932432	NC_021166.1	Ca_kabuli_chr07	25932432	CC	TT	1940407815
SNP_P1_144150_25934160	NC_021166.1	Ca_kabuli_chr07	25934160	AA	GG	1940407817
SNP_P1_144152_25964302	NC_021166.1	Ca_kabuli_chr07	25964302	GG	AA	1940407818
SNP_P1_144153_25973296	NC_021166.1	Ca_kabuli_chr07	25973296	GG	AA	1940407820
SNP_P1_144155_25990379	NC_021166.1	Ca_kabuli_chr07	25990379	TT	CC	1940407822
SNP_P1_144156_25990551	NC_021166.1	Ca_kabuli_chr07	25990551	AA	TT	1940407824
SNP_P1_144157_25990561	NC_021166.1	Ca_kabuli_chr07	25990561	AA	GG	1940407826
SNP_P1_144158_25990826	NC_021166.1	Ca_kabuli_chr07	25990826	GG	AA	1940407827
SNP_P1_144159_25990877	NC_021166.1	Ca_kabuli_chr07	25990877	CC	TT	1940407829
SNP_P1_144161_26001890	NC_021166.1	Ca_kabuli_chr07	26001890	CC	GG	1940407831
SNP_P1_144162_26001925	NC_021166.1	Ca_kabuli_chr07	26001925	TT	AA	1940407833
SNP_P1_144163_26002012	NC_021166.1	Ca_kabuli_chr07	26002012	CC	GG	1940407835
SNP_P1_144164_26011616	NC_021166.1	Ca_kabuli_chr07	26011616	TT	CC	1940407836
SNP_P1_144165_26020972	NC_021166.1	Ca_kabuli_chr07	26020972	AA	GG	1940407838
SNP_P1_144167_26029265	NC_021166.1	Ca_kabuli_chr07	26029265	TT	CC	1940407840
SNP_P1_144169_26030961	NC_021166.1	Ca_kabuli_chr07	26030961	AA	CC	1940407842
SNP_P1_144171_26038029	NC_021166.1	Ca_kabuli_chr07	26038029	TT	CC	1940407843
SNP_P1_144172_26038075	NC_021166.1	Ca_kabuli_chr07	26038075	TT	CC	1940407845
SNP_P1_144173_26050533	NC_021166.1	Ca_kabuli_chr07	26050533	AA	GG	1940407847
SNP_P1_144175_26093994	NC_021166.1	Ca_kabuli_chr07	26093994	AA	CC	1940407849
SNP_P1_144176_26094035	NC_021166.1	Ca_kabuli_chr07	26094035	TT	AA	1940407851
SNP_P1_144179_26123442	NC_021166.1	Ca_kabuli_chr07	26123442	AA	GG	1940407852
SNP_P1_144180_26128593	NC_021166.1	Ca_kabuli_chr07	26128593	AA	GG	1940407854
SNP_P1_144181_26154452	NC_021166.1	Ca_kabuli_chr07	26154452	AA	GG	1940407856
SNP_P1_144182_26155225	NC_021166.1	Ca_kabuli_chr07	26155225	CC	TT	1940407858
SNP_P1_144183_26155226	NC_021166.1	Ca_kabuli_chr07	26155226	CC	AA	1940407860
SNP_P1_144184_26160062	NC_021166.1	Ca_kabuli_chr07	26160062	AA	TT	1940407861
SNP_P1_144185_26160123	NC_021166.1	Ca_kabuli_chr07	26160123	AA	CC	1940407863
SNP_P1_144186_26160170	NC_021166.1	Ca_kabuli_chr07	26160170	CC	GG	1940407865
SNP_P1_144188_26160203	NC_021166.1	Ca_kabuli_chr07	26160203	CC	GG	1940407867
SNP_P1_144189_26160294	NC_021166.1	Ca_kabuli_chr07	26160294	TT	AA	1940407869
SNP_P1_144191_26160404	NC_021166.1	Ca_kabuli_chr07	26160404	CC	AA	1940407870
SNP_P1_144192_26160479	NC_021166.1	Ca_kabuli_chr07	26160479	CC	TT	1940407872
SNP_P1_144193_26160486	NC_021166.1	Ca_kabuli_chr07	26160486	AA	GG	1940407874

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144195_26160508	NC_021166.1	Ca_kabuli_chr07	26160508	AA	GG	1940407878
SNP_P1_144196_26160524	NC_021166.1	Ca_kabuli_chr07	26160524	AA	GG	1940407879
SNP_P1_144197_26160563	NC_021166.1	Ca_kabuli_chr07	26160563	TT	CC	1940407881
SNP_P1_144198_26160566	NC_021166.1	Ca_kabuli_chr07	26160566	CC	TT	1940407883
SNP_P1_144199_26160579	NC_021166.1	Ca_kabuli_chr07	26160579	TT	AA	1940407885
SNP_P1_144200_26160730	NC_021166.1	Ca_kabuli_chr07	26160730	AA	TT	1940407887
SNP_P1_144201_26160889	NC_021166.1	Ca_kabuli_chr07	26160889	GG	TT	1940407888
SNP_P1_144202_26161967	NC_021166.1	Ca_kabuli_chr07	26161967	CC	TT	1940407890
SNP_P1_144203_26161983	NC_021166.1	Ca_kabuli_chr07	26161983	AA	GG	1940407892
SNP_P1_144204_26162025	NC_021166.1	Ca_kabuli_chr07	26162025	CC	TT	1940407894
SNP_P1_144205_26162055	NC_021166.1	Ca_kabuli_chr07	26162055	AA	CC	1940407896
SNP_P1_144206_26162068	NC_021166.1	Ca_kabuli_chr07	26162068	AA	TT	1940407897
SNP_P1_144207_26162080	NC_021166.1	Ca_kabuli_chr07	26162080	CC	AA	1940407899
SNP_P1_144208_26162109	NC_021166.1	Ca_kabuli_chr07	26162109	GG	CC	1940407901
SNP_P1_144209_26168089	NC_021166.1	Ca_kabuli_chr07	26168089	GG	TT	1940407903
SNP_P1_144210_26168246	NC_021166.1	Ca_kabuli_chr07	26168246	AA	GG	1940407905
SNP_P1_144211_26168509	NC_021166.1	Ca_kabuli_chr07	26168509	AA	GG	1940407906
SNP_P1_144212_26168676	NC_021166.1	Ca_kabuli_chr07	26168676	TT	AA	1940407908
SNP_P1_144213_26170664	NC_021166.1	Ca_kabuli_chr07	26170664	CC	TT	1940407910
SNP_P1_144214_26171161	NC_021166.1	Ca_kabuli_chr07	26171161	CC	TT	1940407912
SNP_P1_144215_26171215	NC_021166.1	Ca_kabuli_chr07	26171215	GG	TT	1940407914
SNP_P1_144216_26171439	NC_021166.1	Ca_kabuli_chr07	26171439	CC	GG	1940407915
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SNP_P1_144218_26171676	NC_021166.1	Ca_kabuli_chr07	26171676	TT	AA	1940407919
SNP_P1_144219_26172006	NC_021166.1	Ca_kabuli_chr07	26172006	AA	GG	1940407921
SNP_P1_144220_26176765	NC_021166.1	Ca_kabuli_chr07	26176765	CC	TT	1940407923
SNP_P1_144221_26176775	NC_021166.1	Ca_kabuli_chr07	26176775	TT	CC	1940407924
SNP_P1_144222_26176884	NC_021166.1	Ca_kabuli_chr07	26176884	TT	GG	1940407926
SNP_P1_144223_26176902	NC_021166.1	Ca_kabuli_chr07	26176902	AA	CC	1940407928
SNP_P1_144224_26176960	NC_021166.1	Ca_kabuli_chr07	26176960	CC	TT	1940407930
SNP_P1_144225_26176961	NC_021166.1	Ca_kabuli_chr07	26176961	TT	AA	1940407932
SNP_P1_144226_26177198	NC_021166.1	Ca_kabuli_chr07	26177198	TT	CC	1940407933
SNP_P1_144227_26177256	NC_021166.1	Ca_kabuli_chr07	26177256	AA	GG	1940407935
SNP_P1_144228_26177359	NC_021166.1	Ca_kabuli_chr07	26177359	TT	CC	1940407937
SNP_P1_144229_26177410	NC_021166.1	Ca_kabuli_chr07	26177410	GG	TT	1940407939
SNP_P1_144230_26177478	NC_021166.1	Ca_kabuli_chr07	26177478	CC	TT	1940407941
SNP_P1_144231_26177549	NC_021166.1	Ca_kabuli_chr07	26177549	TT	CC	1940407942
SNP_P1_144232_26177568	NC_021166.1	Ca_kabuli_chr07	26177568	CC	TT	1940407944
SNP_P1_144233_26177662	NC_021166.1	Ca_kabuli_chr07	26177662	TT	CC	1940407946
SNP_P1_144234_26177802	NC_021166.1	Ca_kabuli_chr07	26177802	AA	GG	1940407948
SNP_P1_144235_26177835	NC_021166.1	Ca_kabuli_chr07	26177835	GG	TT	1940407950

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144238_26177896	NC_021166.1	Ca_kabuli_chr07	26177896	AA	GG	1940407955
SNP_P1_144239_26179389	NC_021166.1	Ca_kabuli_chr07	26179389	CC	AA	1940407957
SNP_P1_144241_26179650	NC_021166.1	Ca_kabuli_chr07	26179650	CC	TT	1940407959
SNP_P1_144242_26181684	NC_021166.1	Ca_kabuli_chr07	26181684	CC	AA	1940407960
SNP_P1_144243_26181702	NC_021166.1	Ca_kabuli_chr07	26181702	AA	TT	1940407962
SNP_P1_144244_26182023	NC_021166.1	Ca_kabuli_chr07	26182023	GG	AA	1940407964
SNP_P1_144245_26190163	NC_021166.1	Ca_kabuli_chr07	26190163	TT	CC	1940407966
SNP_P1_144246_26191020	NC_021166.1	Ca_kabuli_chr07	26191020	CC	TT	1940407968
SNP_P1_144247_26191158	NC_021166.1	Ca_kabuli_chr07	26191158	TT	CC	1940407969
SNP_P1_144248_26196605	NC_021166.1	Ca_kabuli_chr07	26196605	TT	GG	1940407971
SNP_P1_144249_26204208	NC_021166.1	Ca_kabuli_chr07	26204208	AA	TT	1940407973
SNP_P1_144250_26218453	NC_021166.1	Ca_kabuli_chr07	26218453	GG	AA	1940407975
SNP_P1_144251_26218527	NC_021166.1	Ca_kabuli_chr07	26218527	CC	TT	1940407977
SNP_P1_144252_26218604	NC_021166.1	Ca_kabuli_chr07	26218604	GG	TT	1940407978
SNP_P1_144253_26218731	NC_021166.1	Ca_kabuli_chr07	26218731	CC	AA	1940407980
SNP_P1_144254_26218746	NC_021166.1	Ca_kabuli_chr07	26218746	CC	GG	1940407982
SNP_P1_144255_26219927	NC_021166.1	Ca_kabuli_chr07	26219927	AA	CC	1940407984
SNP_P1_144256_26220217	NC_021166.1	Ca_kabuli_chr07	26220217	AA	TT	1940407986
SNP_P1_144257_26220257	NC_021166.1	Ca_kabuli_chr07	26220257	GG	AA	1940407987
SNP_P1_144258_26220552	NC_021166.1	Ca_kabuli_chr07	26220552	TT	CC	1940407989
SNP_P1_144259_26220952	NC_021166.1	Ca_kabuli_chr07	26220952	GG	AA	1940407991
SNP_P1_144260_26221444	NC_021166.1	Ca_kabuli_chr07	26221444	AA	CC	1940407993
SNP_P1_144261_26221582	NC_021166.1	Ca_kabuli_chr07	26221582	CC	AA	1940407995
SNP_P1_144263_26221892	NC_021166.1	Ca_kabuli_chr07	26221892	AA	CC	1940407996
SNP_P1_144264_26221901	NC_021166.1	Ca_kabuli_chr07	26221901	CC	AA	1940407998
SNP_P1_144265_26222025	NC_021166.1	Ca_kabuli_chr07	26222025	CC	TT	1940408000
SNP_P1_144266_26222145	NC_021166.1	Ca_kabuli_chr07	26222145	AA	GG	1940408002
SNP_P1_144267_26222797	NC_021166.1	Ca_kabuli_chr07	26222797	AA	GG	1940408003
SNP_P1_144268_26222902	NC_021166.1	Ca_kabuli_chr07	26222902	TT	CC	1940408005
SNP_P1_144269_26222961	NC_021166.1	Ca_kabuli_chr07	26222961	TT	CC	1940408007
SNP_P1_144270_26223411	NC_021166.1	Ca_kabuli_chr07	26223411	TT	CC	1940408009
SNP_P1_144271_26223479	NC_021166.1	Ca_kabuli_chr07	26223479	AA	GG	1940408011
SNP_P1_144272_26223755	NC_021166.1	Ca_kabuli_chr07	26223755	GG	AA	1940408012
SNP_P1_144273_26223931	NC_021166.1	Ca_kabuli_chr07	26223931	AA	CC	1940408014
SNP_P1_144274_26224008	NC_021166.1	Ca_kabuli_chr07	26224008	GG	TT	1940408016
SNP_P1_144275_26224061	NC_021166.1	Ca_kabuli_chr07	26224061	CC	TT	1940408018
SNP_P1_144276_26224664	NC_021166.1	Ca_kabuli_chr07	26224664	AA	GG	1940408020
SNP_P1_144277_26224815	NC_021166.1	Ca_kabuli_chr07	26224815	AA	TT	1940408021
SNP_P1_144278_26225610	NC_021166.1	Ca_kabuli_chr07	26225610	AA	CC	1940408023
SNP_P1_144279_26226146	NC_021166.1	Ca_kabuli_chr07	26226146	GG	CC	1940408025

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_144280_26226400	NC_021166.1	Ca_kabuli_chr07	26226400	AA	CC	1940408027
SNP_P1_144281_26226779	NC_021166.1	Ca_kabuli_chr07	26226779	CC	TT	1940408029
SNP_P1_144282_26227566	NC_021166.1	Ca_kabuli_chr07	26227566	CC	TT	1940408030
SNP_P1_144283_26228010	NC_021166.1	Ca_kabuli_chr07	26228010	AA	CC	1940408032
SNP_P1_144284_26228014	NC_021166.1	Ca_kabuli_chr07	26228014	GG	AA	1940408034
SNP_P1_144286_26228664	NC_021166.1	Ca_kabuli_chr07	26228664	CC	TT	1940408036
SNP_P1_144287_26228984	NC_021166.1	Ca_kabuli_chr07	26228984	GG	TT	1940408038
SNP_P1_144288_26228996	NC_021166.1	Ca_kabuli_chr07	26228996	CC	TT	1940408039
SNP_P1_144289_26229150	NC_021166.1	Ca_kabuli_chr07	26229150	GG	TT	1940408041
SNP_P1_144290_26229429	NC_021166.1	Ca_kabuli_chr07	26229429	CC	TT	1940408043
SNP_P1_144291_26229459	NC_021166.1	Ca_kabuli_chr07	26229459	TT	GG	1940408045
SNP_P1_144292_26229510	NC_021166.1	Ca_kabuli_chr07	26229510	GG	AA	1940408047
SNP_P1_144293_26229614	NC_021166.1	Ca_kabuli_chr07	26229614	GG	AA	1940408048
SNP_P1_144294_26229793	NC_021166.1	Ca_kabuli_chr07	26229793	CC	TT	1940408050
SNP_P1_144295_26229799	NC_021166.1	Ca_kabuli_chr07	26229799	AA	GG	1940408052
SNP_P1_144296_26229817	NC_021166.1	Ca_kabuli_chr07	26229817	AA	CC	1940408054
SNP_P1_144298_26230403	NC_021166.1	Ca_kabuli_chr07	26230403	CC	TT	1940408056
SNP_P1_144299_26230811	NC_021166.1	Ca_kabuli_chr07	26230811	TT	CC	1940408057
SNP_P1_144300_26230922	NC_021166.1	Ca_kabuli_chr07	26230922	GG	AA	1940408059
SNP_P1_144301_26231034	NC_021166.1	Ca_kabuli_chr07	26231034	CC	AA	1940408061
SNP_P1_144302_26231717	NC_021166.1	Ca_kabuli_chr07	26231717	CC	TT	1940408063
SNP_P1_144303_26232059	NC_021166.1	Ca_kabuli_chr07	26232059	TT	AA	1940408065
SNP_P1_144304_26232248	NC_021166.1	Ca_kabuli_chr07	26232248	TT	AA	1940408066
SNP_P1_144305_26232464	NC_021166.1	Ca_kabuli_chr07	26232464	AA	CC	1940408068
SNP_P1_144306_26232640	NC_021166.1	Ca_kabuli_chr07	26232640	AA	GG	1940408070
SNP_P1_144307_26232919	NC_021166.1	Ca_kabuli_chr07	26232919	AA	TT	1940408072
SNP_P1_144309_26234078	NC_021166.1	Ca_kabuli_chr07	26234078	GG	TT	1940408074
SNP_P1_144310_26234109	NC_021166.1	Ca_kabuli_chr07	26234109	AA	CC	1940408075
SNP_P1_144311_26234682	NC_021166.1	Ca_kabuli_chr07	26234682	CC	TT	1940408077
SNP_P1_144312_26234774	NC_021166.1	Ca_kabuli_chr07	26234774	CC	TT	1940408079
SNP_P1_144313_26235069	NC_021166.1	Ca_kabuli_chr07	26235069	TT	CC	1940408081
SNP_P1_144315_26235896	NC_021166.1	Ca_kabuli_chr07	26235896	AA	GG	1940408083
SNP_P1_144316_26236167	NC_021166.1	Ca_kabuli_chr07	26236167	GG	TT	1940408084
SNP_P1_144317_26236327	NC_021166.1	Ca_kabuli_chr07	26236327	GG	AA	1940408086
SNP_P1_144318_26236362	NC_021166.1	Ca_kabuli_chr07	26236362	TT	AA	1940408088
SNP_P1_144319_26236447	NC_021166.1	Ca_kabuli_chr07	26236447	AA	CC	1940408090
SNP_P1_144320_26237245	NC_021166.1	Ca_kabuli_chr07	26237245	CC	TT	1940408092
SNP_P1_144321_26237262	NC_021166.1	Ca_kabuli_chr07	26237262	GG	AA	1940408093
SNP_P1_144322_26237312	NC_021166.1	Ca_kabuli_chr07	26237312	GG	TT	1940408095
SNP_P1_144323_26237567	NC_021166.1	Ca_kabuli_chr07	26237567	CC	AA	1940408097
SNP_P1_144324_26237697	NC_021166.1	Ca_kabuli_chr07	26237697	TT	AA	1940408099
SNP_P1_144325_26238151	NC_021166.1	Ca_kabuli_chr07	26238151	CC	TT	1940408101

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144327_26239860	NC_021166.1	Ca_kabuli_chr07	26239860	GG	AA	1940408104
SNP_P1_144328_26240179	NC_021166.1	Ca_kabuli_chr07	26240179	AA	GG	1940408106
SNP_P1_144330_26240587	NC_021166.1	Ca_kabuli_chr07	26240587	TT	CC	1940408108
SNP_P1_144331_26240588	NC_021166.1	Ca_kabuli_chr07	26240588	GG	AA	1940408110
SNP_P1_144332_26240589	NC_021166.1	Ca_kabuli_chr07	26240589	AA	TT	1940408111
SNP_P1_144333_26240592	NC_021166.1	Ca_kabuli_chr07	26240592	AA	TT	1940408113
SNP_P1_144334_26240695	NC_021166.1	Ca_kabuli_chr07	26240695	TT	AA	1940408115
SNP_P1_144335_26245030	NC_021166.1	Ca_kabuli_chr07	26245030	AA	CC	1940408117
SNP_P1_144336_26245715	NC_021166.1	Ca_kabuli_chr07	26245715	AA	GG	1940408119
SNP_P1_144337_26248225	NC_021166.1	Ca_kabuli_chr07	26248225	GG	AA	1940408120
SNP_P1_144338_26258803	NC_021166.1	Ca_kabuli_chr07	26258803	GG	TT	1940408122
SNP_P1_144339_26258812	NC_021166.1	Ca_kabuli_chr07	26258812	CC	TT	1940408124
SNP_P1_144341_26259873	NC_021166.1	Ca_kabuli_chr07	26259873	GG	AA	1940408126
SNP_P1_144342_26260112	NC_021166.1	Ca_kabuli_chr07	26260112	GG	AA	1940408128
SNP_P1_144343_26260197	NC_021166.1	Ca_kabuli_chr07	26260197	TT	CC	1940408129
SNP_P1_144344_26260372	NC_021166.1	Ca_kabuli_chr07	26260372	CC	TT	1940408131
SNP_P1_144345_26260952	NC_021166.1	Ca_kabuli_chr07	26260952	TT	AA	1940408133
SNP_P1_144346_26261404	NC_021166.1	Ca_kabuli_chr07	26261404	GG	AA	1940408135
SNP_P1_144347_26262453	NC_021166.1	Ca_kabuli_chr07	26262453	TT	AA	1940408136
SNP_P1_144348_26263500	NC_021166.1	Ca_kabuli_chr07	26263500	AA	GG	1940408138
SNP_P1_144349_26263664	NC_021166.1	Ca_kabuli_chr07	26263664	GG	AA	1940408140
SNP_P1_144350_26264028	NC_021166.1	Ca_kabuli_chr07	26264028	GG	AA	1940408142
SNP_P1_144351_26264104	NC_021166.1	Ca_kabuli_chr07	26264104	GG	TT	1940408143
SNP_P1_144352_26264506	NC_021166.1	Ca_kabuli_chr07	26264506	CC	TT	1940408145
SNP_P1_144353_26264697	NC_021166.1	Ca_kabuli_chr07	26264697	GG	TT	1940408147
SNP_P1_144354_26265483	NC_021166.1	Ca_kabuli_chr07	26265483	GG	AA	1940408149
SNP_P1_144355_26266063	NC_021166.1	Ca_kabuli_chr07	26266063	TT	CC	1940408151
SNP_P1_144356_26266678	NC_021166.1	Ca_kabuli_chr07	26266678	TT	CC	1940408152
SNP_P1_144357_26267033	NC_021166.1	Ca_kabuli_chr07	26267033	AA	GG	1940408154
SNP_P1_144358_26267387	NC_021166.1	Ca_kabuli_chr07	26267387	AA	GG	1940408156
SNP_P1_144359_26267529	NC_021166.1	Ca_kabuli_chr07	26267529	AA	GG	1940408158
SNP_P1_144360_26268053	NC_021166.1	Ca_kabuli_chr07	26268053	TT	CC	1940408160
SNP_P1_144361_26268529	NC_021166.1	Ca_kabuli_chr07	26268529	AA	GG	1940408161
SNP_P1_144362_26268751	NC_021166.1	Ca_kabuli_chr07	26268751	AA	GG	1940408163
SNP_P1_144363_26269669	NC_021166.1	Ca_kabuli_chr07	26269669	GG	AA	1940408165
SNP_P1_144364_26271232	NC_021166.1	Ca_kabuli_chr07	26271232	CC	TT	1940408167
SNP_P1_144365_26271487	NC_021166.1	Ca_kabuli_chr07	26271487	CC	TT	1940408169
SNP_P1_144366_26271493	NC_021166.1	Ca_kabuli_chr07	26271493	GG	AA	1940408170
SNP_P1_144367_26271694	NC_021166.1	Ca_kabuli_chr07	26271694	TT	GG	1940408172
SNP_P1_144368_26273136	NC_021166.1	Ca_kabuli_chr07	26273136	AA	GG	1940408174
SNP_P1_144369_26273256	NC_021166.1	Ca_kabuli_chr07	26273256	TT	AA	1940408176

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144371_26277488	NC_021166.1	Ca_kabuli_chr07	26277488	TT	CC	1940408179
SNP_P1_144372_26277508	NC_021166.1	Ca_kabuli_chr07	26277508	GG	AA	1940408181
SNP_P1_144373_26277639	NC_021166.1	Ca_kabuli_chr07	26277639	TT	AA	1940408183
SNP_P1_144374_26277650	NC_021166.1	Ca_kabuli_chr07	26277650	GG	TT	1940408185
SNP_P1_144375_26277672	NC_021166.1	Ca_kabuli_chr07	26277672	GG	AA	1940408187
SNP_P1_144376_26296999	NC_021166.1	Ca_kabuli_chr07	26296999	CC	TT	1940408188
SNP_P1_144377_26307275	NC_021166.1	Ca_kabuli_chr07	26307275	AA	GG	1940408190
SNP_P1_144378_26311649	NC_021166.1	Ca_kabuli_chr07	26311649	GG	AA	1940408192
SNP_P1_144379_26311709	NC_021166.1	Ca_kabuli_chr07	26311709	TT	GG	1940408194
SNP_P1_144380_26315290	NC_021166.1	Ca_kabuli_chr07	26315290	CC	TT	1940408196
SNP_P1_144381_26315481	NC_021166.1	Ca_kabuli_chr07	26315481	TT	CC	1940408197
SNP_P1_144382_26318202	NC_021166.1	Ca_kabuli_chr07	26318202	GG	TT	1940408199
SNP_P1_144385_26353019	NC_021166.1	Ca_kabuli_chr07	26353019	CC	TT	1940408201
SNP_P1_144386_26371261	NC_021166.1	Ca_kabuli_chr07	26371261	GG	AA	1940408203
SNP_P1_144387_26375906	NC_021166.1	Ca_kabuli_chr07	26375906	CC	TT	1940408205
SNP_P1_144388_26375984	NC_021166.1	Ca_kabuli_chr07	26375984	AA	GG	1940408206
SNP_P1_144389_26376213	NC_021166.1	Ca_kabuli_chr07	26376213	CC	GG	1940408208
SNP_P1_144390_26399813	NC_021166.1	Ca_kabuli_chr07	26399813	GG	TT	1940408210
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SNP_P1_144392_26432203	NC_021166.1	Ca_kabuli_chr07	26432203	TT	CC	1940408214
SNP_P1_144393_26432583	NC_021166.1	Ca_kabuli_chr07	26432583	AA	CC	1940408215
SNP_P1_144394_26432653	NC_021166.1	Ca_kabuli_chr07	26432653	TT	AA	1940408217
SNP_P1_144395_26437452	NC_021166.1	Ca_kabuli_chr07	26437452	GG	AA	1940408219
SNP_P1_144396_26437453	NC_021166.1	Ca_kabuli_chr07	26437453	TT	CC	1940408221
SNP_P1_144397_26450405	NC_021166.1	Ca_kabuli_chr07	26450405	TT	GG	1940408223
SNP_P1_144398_26450423	NC_021166.1	Ca_kabuli_chr07	26450423	GG	TT	1940408224
SNP_P1_144399_26450444	NC_021166.1	Ca_kabuli_chr07	26450444	AA	GG	1940408226
SNP_P1_144400_26450489	NC_021166.1	Ca_kabuli_chr07	26450489	AA	GG	1940408228
SNP_P1_144401_26450533	NC_021166.1	Ca_kabuli_chr07	26450533	TT	CC	1940408230
SNP_P1_144402_26450608	NC_021166.1	Ca_kabuli_chr07	26450608	GG	AA	1940408232
SNP_P1_144403_26450620	NC_021166.1	Ca_kabuli_chr07	26450620	CC	TT	1940408233
SNP_P1_144404_26450628	NC_021166.1	Ca_kabuli_chr07	26450628	TT	CC	1940408235
SNP_P1_144405_26450643	NC_021166.1	Ca_kabuli_chr07	26450643	TT	CC	1940408237
SNP_P1_144406_26450663	NC_021166.1	Ca_kabuli_chr07	26450663	TT	CC	1940408239
SNP_P1_144407_26475565	NC_021166.1	Ca_kabuli_chr07	26475565	CC	TT	1940408241
SNP_P1_144408_26475608	NC_021166.1	Ca_kabuli_chr07	26475608	CC	AA	1940408242
SNP_P1_144409_26478292	NC_021166.1	Ca_kabuli_chr07	26478292	AA	TT	1940408244
SNP_P1_144410_26479131	NC_021166.1	Ca_kabuli_chr07	26479131	AA	GG	1940408246
SNP_P1_144411_26479135	NC_021166.1	Ca_kabuli_chr07	26479135	GG	TT	1940408248
SNP_P1_144412_26479497	NC_021166.1	Ca_kabuli_chr07	26479497	AA	GG	1940408250
SNP_P1_144413_26510565	NC_021166.1	Ca_kabuli_chr07	26510565	TT	AA	1940408251

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_144414_26523439	NC_021166.1	Ca_kabuli_chr07	26523439	TT	GG	1940408253
SNP_P1_144415_26550495	NC_021166.1	Ca_kabuli_chr07	26550495	CC	TT	1940408255
SNP_P1_144416_26555632	NC_021166.1	Ca_kabuli_chr07	26555632	TT	CC	1940408257
SNP_P1_144417_26558328	NC_021166.1	Ca_kabuli_chr07	26558328	TT	CC	1940408259
SNP_P1_144418_26560517	NC_021166.1	Ca_kabuli_chr07	26560517	CC	AA	1940408260
SNP_P1_144420_26575175	NC_021166.1	Ca_kabuli_chr07	26575175	TT	CC	1940408262
SNP_P1_144421_26580355	NC_021166.1	Ca_kabuli_chr07	26580355	CC	AA	1940408264
SNP_P1_144422_26586799	NC_021166.1	Ca_kabuli_chr07	26586799	GG	AA	1940408266
SNP_P1_144423_26598149	NC_021166.1	Ca_kabuli_chr07	26598149	GG	AA	1940408268
SNP_P1_144424_26608321	NC_021166.1	Ca_kabuli_chr07	26608321	CC	TT	1940408269
SNP_P1_144425_26614476	NC_021166.1	Ca_kabuli_chr07	26614476	CC	TT	1940408271
SNP_P1_144426_26635898	NC_021166.1	Ca_kabuli_chr07	26635898	CC	TT	1940408273
SNP_P1_144427_26636791	NC_021166.1	Ca_kabuli_chr07	26636791	GG	AA	1940408275
SNP_P1_144428_26636797	NC_021166.1	Ca_kabuli_chr07	26636797	TT	CC	1940408277
SNP_P1_144429_26636799	NC_021166.1	Ca_kabuli_chr07	26636799	GG	AA	1940408278
SNP_P1_144430_26639010	NC_021166.1	Ca_kabuli_chr07	26639010	CC	GG	1940408280
SNP_P1_144431_26639494	NC_021166.1	Ca_kabuli_chr07	26639494	AA	CC	1940408282
SNP_P1_144432_26639499	NC_021166.1	Ca_kabuli_chr07	26639499	AA	GG	1940408284
SNP_P1_144433_26639514	NC_021166.1	Ca_kabuli_chr07	26639514	GG	AA	1940408286
SNP_P1_144434_26639523	NC_021166.1	Ca_kabuli_chr07	26639523	CC	TT	1940408287
SNP_P1_144435_26639524	NC_021166.1	Ca_kabuli_chr07	26639524	AA	GG	1940408289
SNP_P1_144436_26639534	NC_021166.1	Ca_kabuli_chr07	26639534	CC	TT	1940408291
SNP_P1_144437_26643361	NC_021166.1	Ca_kabuli_chr07	26643361	AA	TT	1940408293
SNP_P1_144439_26643778	NC_021166.1	Ca_kabuli_chr07	26643778	AA	TT	1940408295
SNP_P1_144440_26649724	NC_021166.1	Ca_kabuli_chr07	26649724	AA	CC	1940408296
SNP_P1_144442_26672053	NC_021166.1	Ca_kabuli_chr07	26672053	CC	TT	1940408298
SNP_P1_144443_26691926	NC_021166.1	Ca_kabuli_chr07	26691926	CC	TT	1940408300
SNP_P1_144444_26694588	NC_021166.1	Ca_kabuli_chr07	26694588	TT	CC	1940408302
SNP_P1_144446_26694825	NC_021166.1	Ca_kabuli_chr07	26694825	CC	AA	1940408304
SNP_P1_144447_26694829	NC_021166.1	Ca_kabuli_chr07	26694829	TT	CC	1940408305
SNP_P1_144448_26694863	NC_021166.1	Ca_kabuli_chr07	26694863	AA	CC	1940408307
SNP_P1_144449_26695291	NC_021166.1	Ca_kabuli_chr07	26695291	TT	CC	1940408309
SNP_P1_144453_26698579	NC_021166.1	Ca_kabuli_chr07	26698579	TT	CC	1940408311
SNP_P1_144454_26698614	NC_021166.1	Ca_kabuli_chr07	26698614	CC	AA	1940408313
SNP_P1_144455_26699275	NC_021166.1	Ca_kabuli_chr07	26699275	AA	GG	1940408314
SNP_P1_144456_26699289	NC_021166.1	Ca_kabuli_chr07	26699289	AA	GG	1940408316
SNP_P1_144457_26699344	NC_021166.1	Ca_kabuli_chr07	26699344	CC	GG	1940408318
SNP_P1_144458_26699346	NC_021166.1	Ca_kabuli_chr07	26699346	AA	GG	1940408320
SNP_P1_144459_26699366	NC_021166.1	Ca_kabuli_chr07	26699366	AA	GG	1940408322
SNP_P1_144460_26699415	NC_021166.1	Ca_kabuli_chr07	26699415	CC	TT	1940408323
SNP_P1_144461_26699765	NC_021166.1	Ca_kabuli_chr07	26699765	TT	CC	1940408325
SNP_P1_144462_26699787	NC_021166.1	Ca_kabuli_chr07	26699787	AA	GG	1940408327

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144464_26699899	NC_021166.1	Ca_kabuli_chr07	26699899	TT	CC	1940408331
SNP_P1_144466_26699943	NC_021166.1	Ca_kabuli_chr07	26699943	AA	GG	1940408332
SNP_P1_144467_26700038	NC_021166.1	Ca_kabuli_chr07	26700038	TT	AA	1940408334
SNP_P1_144468_26700316	NC_021166.1	Ca_kabuli_chr07	26700316	AA	GG	1940408336
SNP_P1_144469_26700368	NC_021166.1	Ca_kabuli_chr07	26700368	CC	GG	1940408338
SNP_P1_144470_26700373	NC_021166.1	Ca_kabuli_chr07	26700373	TT	CC	1940408340
SNP_P1_144471_26700382	NC_021166.1	Ca_kabuli_chr07	26700382	TT	CC	1940408341
SNP_P1_144472_26700395	NC_021166.1	Ca_kabuli_chr07	26700395	AA	GG	1940408343
SNP_P1_144473_26700412	NC_021166.1	Ca_kabuli_chr07	26700412	AA	GG	1940408345
SNP_P1_144474_26700803	NC_021166.1	Ca_kabuli_chr07	26700803	TT	GG	1940408347
SNP_P1_144476_26700879	NC_021166.1	Ca_kabuli_chr07	26700879	TT	CC	1940408349
SNP_P1_144477_26700892	NC_021166.1	Ca_kabuli_chr07	26700892	CC	GG	1940408350
SNP_P1_144478_26700953	NC_021166.1	Ca_kabuli_chr07	26700953	AA	GG	1940408352
SNP_P1_144479_26700955	NC_021166.1	Ca_kabuli_chr07	26700955	TT	AA	1940408354
SNP_P1_144480_26700969	NC_021166.1	Ca_kabuli_chr07	26700969	TT	CC	1940408356
SNP_P1_144482_26701396	NC_021166.1	Ca_kabuli_chr07	26701396	GG	CC	1940408358
SNP_P1_144483_26701489	NC_021166.1	Ca_kabuli_chr07	26701489	CC	AA	1940408359
SNP_P1_144485_26701540	NC_021166.1	Ca_kabuli_chr07	26701540	AA	CC	1940408361
SNP_P1_144486_26701579	NC_021166.1	Ca_kabuli_chr07	26701579	GG	CC	1940408363
SNP_P1_144487_26701606	NC_021166.1	Ca_kabuli_chr07	26701606	GG	AA	1940408365
SNP_P1_144488_26701705	NC_021166.1	Ca_kabuli_chr07	26701705	AA	GG	1940408367
SNP_P1_144489_26702198	NC_021166.1	Ca_kabuli_chr07	26702198	TT	CC	1940408368
SNP_P1_144490_26702215	NC_021166.1	Ca_kabuli_chr07	26702215	GG	CC	1940408370
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SNP_P1_144492_26702829	NC_021166.1	Ca_kabuli_chr07	26702829	CC	TT	1940408374
SNP_P1_144493_26702861	NC_021166.1	Ca_kabuli_chr07	26702861	AA	GG	1940408376
SNP_P1_144494_26702914	NC_021166.1	Ca_kabuli_chr07	26702914	AA	CC	1940408378
SNP_P1_144495_26702922	NC_021166.1	Ca_kabuli_chr07	26702922	AA	CC	1940408379
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SNP_P1_144498_26703209	NC_021166.1	Ca_kabuli_chr07	26703209	AA	GG	1940408383
SNP_P1_144499_26703222	NC_021166.1	Ca_kabuli_chr07	26703222	AA	GG	1940408385
SNP_P1_144500_26703238	NC_021166.1	Ca_kabuli_chr07	26703238	GG	CC	1940408387
SNP_P1_144501_26703250	NC_021166.1	Ca_kabuli_chr07	26703250	TT	GG	1940408388
SNP_P1_144502_26703290	NC_021166.1	Ca_kabuli_chr07	26703290	AA	GG	1940408390
SNP_P1_144504_26716908	NC_021166.1	Ca_kabuli_chr07	26716908	CC	TT	1940408392
SNP_P1_144505_26716909	NC_021166.1	Ca_kabuli_chr07	26716909	CC	TT	1940408394
SNP_P1_144506_26717804	NC_021166.1	Ca_kabuli_chr07	26717804	CC	TT	1940408396
SNP_P1_144507_26717813	NC_021166.1	Ca_kabuli_chr07	26717813	CC	TT	1940408398
SNP_P1_144508_26720899	NC_021166.1	Ca_kabuli_chr07	26720899	AA	TT	1940408399
SNP_P1_144509_26720920	NC_021166.1	Ca_kabuli_chr07	26720920	GG	AA	1940408401
SNP_P1_144510_26720933	NC_021166.1	Ca_kabuli_chr07	26720933	TT	CC	1940408403

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144512_26722381	NC_021166.1	Ca_kabuli_chr07	26722381	GG	TT	1940408407
SNP_P1_144513_26723573	NC_021166.1	Ca_kabuli_chr07	26723573	CC	AA	1940408408
SNP_P1_144514_26723587	NC_021166.1	Ca_kabuli_chr07	26723587	TT	CC	1940408410
SNP_P1_144515_26730382	NC_021166.1	Ca_kabuli_chr07	26730382	GG	AA	1940408412
SNP_P1_144516_26730408	NC_021166.1	Ca_kabuli_chr07	26730408	GG	AA	1940408414
SNP_P1_144517_26730430	NC_021166.1	Ca_kabuli_chr07	26730430	TT	CC	1940408416
SNP_P1_144518_26730446	NC_021166.1	Ca_kabuli_chr07	26730446	GG	TT	1940408418
SNP_P1_144519_26730534	NC_021166.1	Ca_kabuli_chr07	26730534	AA	GG	1940408419
SNP_P1_144520_26731235	NC_021166.1	Ca_kabuli_chr07	26731235	TT	CC	1940408421
SNP_P1_144521_26731673	NC_021166.1	Ca_kabuli_chr07	26731673	TT	CC	1940408423
SNP_P1_144522_26754795	NC_021166.1	Ca_kabuli_chr07	26754795	TT	CC	1940408425
SNP_P1_144523_26754803	NC_021166.1	Ca_kabuli_chr07	26754803	AA	GG	1940408427
SNP_P1_144524_26755102	NC_021166.1	Ca_kabuli_chr07	26755102	AA	GG	1940408428
SNP_P1_144525_26758043	NC_021166.1	Ca_kabuli_chr07	26758043	CC	AA	1940408430
SNP_P1_144526_26758107	NC_021166.1	Ca_kabuli_chr07	26758107	AA	GG	1940408432
SNP_P1_144527_26758349	NC_021166.1	Ca_kabuli_chr07	26758349	AA	TT	1940408434
SNP_P1_144528_26758351	NC_021166.1	Ca_kabuli_chr07	26758351	AA	TT	1940408436
SNP_P1_144529_26758473	NC_021166.1	Ca_kabuli_chr07	26758473	TT	CC	1940408437
SNP_P1_144530_26758561	NC_021166.1	Ca_kabuli_chr07	26758561	CC	AA	1940408439
SNP_P1_144531_26758563	NC_021166.1	Ca_kabuli_chr07	26758563	AA	TT	1940408441
SNP_P1_144532_26758579	NC_021166.1	Ca_kabuli_chr07	26758579	TT	GG	1940408443
SNP_P1_144533_26758590	NC_021166.1	Ca_kabuli_chr07	26758590	TT	CC	1940408445
SNP_P1_144534_26766626	NC_021166.1	Ca_kabuli_chr07	26766626	TT	CC	1940408447
SNP_P1_144535_26771720	NC_021166.1	Ca_kabuli_chr07	26771720	TT	AA	1940408448
SNP_P1_144536_26798609	NC_021166.1	Ca_kabuli_chr07	26798609	TT	CC	1940408450
SNP_P1_144537_26798623	NC_021166.1	Ca_kabuli_chr07	26798623	TT	CC	1940408452
SNP_P1_144538_26798657	NC_021166.1	Ca_kabuli_chr07	26798657	AA	GG	1940408454
SNP_P1_144539_26799087	NC_021166.1	Ca_kabuli_chr07	26799087	GG	TT	1940408455
SNP_P1_144540_26799117	NC_021166.1	Ca_kabuli_chr07	26799117	CC	TT	1940408457
SNP_P1_144541_26799359	NC_021166.1	Ca_kabuli_chr07	26799359	AA	GG	1940408459
SNP_P1_144542_26799370	NC_021166.1	Ca_kabuli_chr07	26799370	CC	TT	1940408461
SNP_P1_144544_26799400	NC_021166.1	Ca_kabuli_chr07	26799400	GG	AA	1940408463
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SNP_P1_144546_26799435	NC_021166.1	Ca_kabuli_chr07	26799435	GG	AA	1940408466
SNP_P1_144547_26799466	NC_021166.1	Ca_kabuli_chr07	26799466	GG	AA	1940408468
SNP_P1_144548_26799468	NC_021166.1	Ca_kabuli_chr07	26799468	AA	CC	1940408470
SNP_P1_144549_26807078	NC_021166.1	Ca_kabuli_chr07	26807078	CC	AA	1940408472
SNP_P1_144551_26828126	NC_021166.1	Ca_kabuli_chr07	26828126	GG	CC	1940408474
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SNP_P1_144553_26833618	NC_021166.1	Ca_kabuli_chr07	26833618	GG	CC	1940408477
SNP_P1_144554_26835872	NC_021166.1	Ca_kabuli_chr07	26835872	AA	TT	1940408479

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144556_26852479	NC_021166.1	Ca_kabuli_chr07	26852479	AA	TT	1940408483
SNP_P1_144558_26868198	NC_021166.1	Ca_kabuli_chr07	26868198	AA	CC	1940408484
SNP_P1_144559_26869900	NC_021166.1	Ca_kabuli_chr07	26869900	GG	AA	1940408486
SNP_P1_144560_26870799	NC_021166.1	Ca_kabuli_chr07	26870799	GG	AA	1940408488
SNP_P1_144563_26923619	NC_021166.1	Ca_kabuli_chr07	26923619	GG	TT	1940408490
SNP_P1_144565_26951631	NC_021166.1	Ca_kabuli_chr07	26951631	AA	GG	1940408491
SNP_P1_144566_26981489	NC_021166.1	Ca_kabuli_chr07	26981489	TT	GG	1940408493
SNP_P1_144567_26989589	NC_021166.1	Ca_kabuli_chr07	26989589	CC	TT	1940408495
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SNP_P1_144569_27009595	NC_021166.1	Ca_kabuli_chr07	27009595	CC	AA	1940408499
SNP_P1_144570_27009615	NC_021166.1	Ca_kabuli_chr07	27009615	CC	TT	1940408500
SNP_P1_144571_27009735	NC_021166.1	Ca_kabuli_chr07	27009735	GG	AA	1940408502
SNP_P1_144572_27009743	NC_021166.1	Ca_kabuli_chr07	27009743	TT	CC	1940408504
SNP_P1_144573_27013150	NC_021166.1	Ca_kabuli_chr07	27013150	GG	AA	1940408506
SNP_P1_144574_27013153	NC_021166.1	Ca_kabuli_chr07	27013153	GG	AA	1940408508
SNP_P1_144575_27013156	NC_021166.1	Ca_kabuli_chr07	27013156	TT	GG	1940408509
SNP_P1_144576_27013162	NC_021166.1	Ca_kabuli_chr07	27013162	TT	CC	1940408511
SNP_P1_144577_27013164	NC_021166.1	Ca_kabuli_chr07	27013164	GG	AA	1940408513
SNP_P1_144578_27015633	NC_021166.1	Ca_kabuli_chr07	27015633	TT	AA	1940408515
SNP_P1_144579_27018623	NC_021166.1	Ca_kabuli_chr07	27018623	AA	CC	1940408517
SNP_P1_144580_27020779	NC_021166.1	Ca_kabuli_chr07	27020779	AA	GG	1940408518
SNP_P1_144581_27025245	NC_021166.1	Ca_kabuli_chr07	27025245	CC	TT	1940408520
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SNP_P1_144585_27043289	NC_021166.1	Ca_kabuli_chr07	27043289	AA	GG	1940408524
SNP_P1_144586_27043290	NC_021166.1	Ca_kabuli_chr07	27043290	TT	GG	1940408526
SNP_P1_144587_27043293	NC_021166.1	Ca_kabuli_chr07	27043293	CC	AA	1940408527
SNP_P1_144588_27043427	NC_021166.1	Ca_kabuli_chr07	27043427	AA	GG	1940408529
SNP_P1_144589_27046102	NC_021166.1	Ca_kabuli_chr07	27046102	CC	TT	1940408531
SNP_P1_144590_27070100	NC_021166.1	Ca_kabuli_chr07	27070100	CC	TT	1940408533
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SNP_P1_144593_27070190	NC_021166.1	Ca_kabuli_chr07	27070190	GG	TT	1940408538
SNP_P1_144594_27074873	NC_021166.1	Ca_kabuli_chr07	27074873	GG	AA	1940408540
SNP_P1_144595_27074876	NC_021166.1	Ca_kabuli_chr07	27074876	TT	CC	1940408542
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SNP_P1_144597_27074896	NC_021166.1	Ca_kabuli_chr07	27074896	TT	CC	1940408545
SNP_P1_144598_27074904	NC_021166.1	Ca_kabuli_chr07	27074904	AA	CC	1940408547
SNP_P1_144599_27077912	NC_021166.1	Ca_kabuli_chr07	27077912	AA	CC	1940408549
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SNP_P1_144602_27115400	NC_021166.1	Ca_kabuli_chr07	27115400	CC	TT	1940408554

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144606_27143195	NC_021166.1	Ca_kabuli_chr07	27143195	CC	GG	1940408560
SNP_P1_144607_27166078	NC_021166.1	Ca_kabuli_chr07	27166078	TT	CC	1940408562
SNP_P1_144608_27174078	NC_021166.1	Ca_kabuli_chr07	27174078	GG	CC	1940408563
SNP_P1_144609_27187281	NC_021166.1	Ca_kabuli_chr07	27187281	GG	AA	1940408565
SNP_P1_144610_27187294	NC_021166.1	Ca_kabuli_chr07	27187294	CC	AA	1940408567
SNP_P1_144611_27187485	NC_021166.1	Ca_kabuli_chr07	27187485	GG	AA	1940408569
SNP_P1_144612_27187494	NC_021166.1	Ca_kabuli_chr07	27187494	CC	GG	1940408571
SNP_P1_144613_27187582	NC_021166.1	Ca_kabuli_chr07	27187582	CC	AA	1940408572
SNP_P1_144614_27187672	NC_021166.1	Ca_kabuli_chr07	27187672	TT	CC	1940408574
SNP_P1_144615_27190462	NC_021166.1	Ca_kabuli_chr07	27190462	TT	CC	1940408576
SNP_P1_144616_27190634	NC_021166.1	Ca_kabuli_chr07	27190634	AA	CC	1940408578
SNP_P1_144617_27218810	NC_021166.1	Ca_kabuli_chr07	27218810	CC	AA	1940408580
SNP_P1_144619_27257429	NC_021166.1	Ca_kabuli_chr07	27257429	AA	GG	1940408581
SNP_P1_144620_27257489	NC_021166.1	Ca_kabuli_chr07	27257489	GG	TT	1940408583
SNP_P1_144622_27257498	NC_021166.1	Ca_kabuli_chr07	27257498	AA	TT	1940408585
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SNP_P1_144624_27332425	NC_021166.1	Ca_kabuli_chr07	27332425	AA	GG	1940408589
SNP_P1_144625_27332503	NC_021166.1	Ca_kabuli_chr07	27332503	AA	CC	1940408590
SNP_P1_144626_27332822	NC_021166.1	Ca_kabuli_chr07	27332822	TT	AA	1940408592
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SNP_P1_144628_27339579	NC_021166.1	Ca_kabuli_chr07	27339579	TT	AA	1940408596
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SNP_P1_144632_27341371	NC_021166.1	Ca_kabuli_chr07	27341371	CC	TT	1940408603
SNP_P1_144633_27341388	NC_021166.1	Ca_kabuli_chr07	27341388	AA	GG	1940408605
SNP_P1_144634_27341391	NC_021166.1	Ca_kabuli_chr07	27341391	TT	AA	1940408607
SNP_P1_144635_27341636	NC_021166.1	Ca_kabuli_chr07	27341636	TT	CC	1940408608
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SNP_P1_144646_27359801	NC_021166.1	Ca_kabuli_chr07	27359801	AA	GG	1940408625
SNP_P1_144647_27359808	NC_021166.1	Ca_kabuli_chr07	27359808	GG	AA	1940408626
SNP_P1_144648_27360701	NC_021166.1	Ca_kabuli_chr07	27360701	AA	GG	1940408628
SNP_P1_144649_27361060	NC_021166.1	Ca_kabuli_chr07	27361060	GG	TT	1940408630

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144652_27366104	NC_021166.1	Ca_kabuli_chr07	27366104	TT	CC	1940408635
SNP_P1_144653_27366116	NC_021166.1	Ca_kabuli_chr07	27366116	GG	AA	1940408637
SNP_P1_144654_27366487	NC_021166.1	Ca_kabuli_chr07	27366487	TT	AA	1940408639
SNP_P1_144655_27373290	NC_021166.1	Ca_kabuli_chr07	27373290	GG	AA	1940408641
SNP_P1_144656_27376831	NC_021166.1	Ca_kabuli_chr07	27376831	AA	TT	1940408642
SNP_P1_144657_27386580	NC_021166.1	Ca_kabuli_chr07	27386580	TT	CC	1940408644
SNP_P1_144658_27390299	NC_021166.1	Ca_kabuli_chr07	27390299	TT	AA	1940408646
SNP_P1_144661_27396926	NC_021166.1	Ca_kabuli_chr07	27396926	AA	TT	1940408648
SNP_P1_144662_27413706	NC_021166.1	Ca_kabuli_chr07	27413706	AA	GG	1940408650
SNP_P1_144663_27437577	NC_021166.1	Ca_kabuli_chr07	27437577	GG	AA	1940408651
SNP_P1_144664_27448470	NC_021166.1	Ca_kabuli_chr07	27448470	CC	GG	1940408653
SNP_P1_144665_27451547	NC_021166.1	Ca_kabuli_chr07	27451547	GG	AA	1940408655
SNP_P1_144667_27458629	NC_021166.1	Ca_kabuli_chr07	27458629	AA	CC	1940408657
SNP_P1_144668_27458631	NC_021166.1	Ca_kabuli_chr07	27458631	TT	AA	1940408659
SNP_P1_144669_27473281	NC_021166.1	Ca_kabuli_chr07	27473281	TT	CC	1940408660
SNP_P1_144670_27486048	NC_021166.1	Ca_kabuli_chr07	27486048	AA	CC	1940408662
SNP_P1_144671_27488000	NC_021166.1	Ca_kabuli_chr07	27488000	GG	AA	1940408664
SNP_P1_144672_27488019	NC_021166.1	Ca_kabuli_chr07	27488019	AA	GG	1940408666
SNP_P1_144674_27488046	NC_021166.1	Ca_kabuli_chr07	27488046	AA	CC	1940408668
SNP_P1_144675_27488049	NC_021166.1	Ca_kabuli_chr07	27488049	CC	TT	1940408669
SNP_P1_144676_27488209	NC_021166.1	Ca_kabuli_chr07	27488209	TT	AA	1940408671
SNP_P1_144677_27495954	NC_021166.1	Ca_kabuli_chr07	27495954	CC	AA	1940408673
SNP_P1_144678_27495970	NC_021166.1	Ca_kabuli_chr07	27495970	AA	CC	1940408675
SNP_P1_144679_27501123	NC_021166.1	Ca_kabuli_chr07	27501123	AA	CC	1940408677
SNP_P1_144680_27502458	NC_021166.1	Ca_kabuli_chr07	27502458	GG	AA	1940408678
SNP_P1_144681_27509734	NC_021166.1	Ca_kabuli_chr07	27509734	TT	CC	1940408680
SNP_P1_144682_27509735	NC_021166.1	Ca_kabuli_chr07	27509735	TT	CC	1940408682
SNP_P1_144683_27514382	NC_021166.1	Ca_kabuli_chr07	27514382	CC	TT	1940408684
SNP_P1_144685_27521090	NC_021166.1	Ca_kabuli_chr07	27521090	TT	CC	1940408686
SNP_P1_144686_27521186	NC_021166.1	Ca_kabuli_chr07	27521186	TT	AA	1940408687
SNP_P1_144689_27521573	NC_021166.1	Ca_kabuli_chr07	27521573	GG	AA	1940408689
SNP_P1_144690_27528240	NC_021166.1	Ca_kabuli_chr07	27528240	TT	CC	1940408691
SNP_P1_144691_27549307	NC_021166.1	Ca_kabuli_chr07	27549307	CC	AA	1940408693
SNP_P1_144692_27549394	NC_021166.1	Ca_kabuli_chr07	27549394	CC	TT	1940408695
SNP_P1_144693_27594662	NC_021166.1	Ca_kabuli_chr07	27594662	GG	TT	1940408696
SNP_P1_144694_27601191	NC_021166.1	Ca_kabuli_chr07	27601191	AA	CC	1940408698
SNP_P1_144695_27602429	NC_021166.1	Ca_kabuli_chr07	27602429	TT	CC	1940408700
SNP_P1_144696_27602571	NC_021166.1	Ca_kabuli_chr07	27602571	CC	TT	1940408702
SNP_P1_144697_27603069	NC_021166.1	Ca_kabuli_chr07	27603069	GG	AA	1940408704
SNP_P1_144698_27611374	NC_021166.1	Ca_kabuli_chr07	27611374	CC	AA	1940408705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144700_27639727	NC_021166.1	Ca_kabuli_chr07	27639727	GG	AA	1940408709
SNP_P1_144701_27662402	NC_021166.1	Ca_kabuli_chr07	27662402	CC	TT	1940408711
SNP_P1_144702_27662898	NC_021166.1	Ca_kabuli_chr07	27662898	TT	AA	1940408713
SNP_P1_144703_27662899	NC_021166.1	Ca_kabuli_chr07	27662899	AA	TT	1940408714
SNP_P1_144704_27662907	NC_021166.1	Ca_kabuli_chr07	27662907	AA	CC	1940408716
SNP_P1_144705_27681752	NC_021166.1	Ca_kabuli_chr07	27681752	TT	AA	1940408718
SNP_P1_144706_27713269	NC_021166.1	Ca_kabuli_chr07	27713269	TT	GG	1940408720
SNP_P1_144707_27731205	NC_021166.1	Ca_kabuli_chr07	27731205	AA	GG	1940408722
SNP_P1_144708_27748891	NC_021166.1	Ca_kabuli_chr07	27748891	GG	AA	1940408723
SNP_P1_144709_27759638	NC_021166.1	Ca_kabuli_chr07	27759638	AA	CC	1940408725
SNP_P1_144710_27761587	NC_021166.1	Ca_kabuli_chr07	27761587	CC	TT	1940408727
SNP_P1_144711_27761658	NC_021166.1	Ca_kabuli_chr07	27761658	GG	AA	1940408729
SNP_P1_144713_27775580	NC_021166.1	Ca_kabuli_chr07	27775580	CC	TT	1940408731
SNP_P1_144714_27775589	NC_021166.1	Ca_kabuli_chr07	27775589	AA	GG	1940408732
SNP_P1_144716_27817347	NC_021166.1	Ca_kabuli_chr07	27817347	AA	GG	1940408734
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SNP_P1_144719_27829222	NC_021166.1	Ca_kabuli_chr07	27829222	CC	TT	1940408740
SNP_P1_144720_27838722	NC_021166.1	Ca_kabuli_chr07	27838722	CC	TT	1940408741
SNP_P1_144721_27845044	NC_021166.1	Ca_kabuli_chr07	27845044	AA	GG	1940408743
SNP_P1_144722_27859462	NC_021166.1	Ca_kabuli_chr07	27859462	GG	CC	1940408745
SNP_P1_144723_27874205	NC_021166.1	Ca_kabuli_chr07	27874205	TT	AA	1940408747
SNP_P1_144724_27878734	NC_021166.1	Ca_kabuli_chr07	27878734	GG	TT	1940408748
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SNP_P1_144728_27903053	NC_021166.1	Ca_kabuli_chr07	27903053	TT	CC	1940408756
SNP_P1_144729_27906316	NC_021166.1	Ca_kabuli_chr07	27906316	GG	AA	1940408757
SNP_P1_144730_27913121	NC_021166.1	Ca_kabuli_chr07	27913121	CC	TT	1940408759
SNP_P1_144731_27914451	NC_021166.1	Ca_kabuli_chr07	27914451	TT	AA	1940408761
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SNP_P1_144735_27937664	NC_021166.1	Ca_kabuli_chr07	27937664	GG	AA	1940408765
SNP_P1_144736_27939643	NC_021166.1	Ca_kabuli_chr07	27939643	TT	CC	1940408767
SNP_P1_144737_27939690	NC_021166.1	Ca_kabuli_chr07	27939690	TT	CC	1940408768
SNP_P1_144738_27939724	NC_021166.1	Ca_kabuli_chr07	27939724	AA	GG	1940408770
SNP_P1_144739_27939761	NC_021166.1	Ca_kabuli_chr07	27939761	AA	GG	1940408772
SNP_P1_144740_27939768	NC_021166.1	Ca_kabuli_chr07	27939768	CC	TT	1940408774
SNP_P1_144741_27939771	NC_021166.1	Ca_kabuli_chr07	27939771	CC	TT	1940408775
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SNP_P1_144744_27943272	NC_021166.1	Ca_kabuli_chr07	27943272	TT	GG	1940408781

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144746_27951303	NC_021166.1	Ca_kabuli_chr07	27951303	TT	CC	1940408784
SNP_P1_144747_27962334	NC_021166.1	Ca_kabuli_chr07	27962334	TT	CC	1940408786
SNP_P1_144749_27977855	NC_021166.1	Ca_kabuli_chr07	27977855	TT	CC	1940408788
SNP_P1_144750_27977890	NC_021166.1	Ca_kabuli_chr07	27977890	TT	CC	1940408790
SNP_P1_144751_27978172	NC_021166.1	Ca_kabuli_chr07	27978172	TT	AA	1940408792
SNP_P1_144752_27978295	NC_021166.1	Ca_kabuli_chr07	27978295	CC	AA	1940408793
SNP_P1_144753_27978653	NC_021166.1	Ca_kabuli_chr07	27978653	TT	GG	1940408795
SNP_P1_144754_27979541	NC_021166.1	Ca_kabuli_chr07	27979541	TT	GG	1940408797
SNP_P1_144755_27979584	NC_021166.1	Ca_kabuli_chr07	27979584	CC	TT	1940408799
SNP_P1_144756_27979606	NC_021166.1	Ca_kabuli_chr07	27979606	CC	TT	1940408801
SNP_P1_144757_27979637	NC_021166.1	Ca_kabuli_chr07	27979637	GG	TT	1940408802
SNP_P1_144758_27979809	NC_021166.1	Ca_kabuli_chr07	27979809	GG	TT	1940408804
SNP_P1_144759_27979810	NC_021166.1	Ca_kabuli_chr07	27979810	AA	TT	1940408806
SNP_P1_144760_27991111	NC_021166.1	Ca_kabuli_chr07	27991111	CC	TT	1940408808
SNP_P1_144761_28004228	NC_021166.1	Ca_kabuli_chr07	28004228	CC	TT	1940408810
SNP_P1_144762_28011041	NC_021166.1	Ca_kabuli_chr07	28011041	GG	AA	1940408811
SNP_P1_144763_28026954	NC_021166.1	Ca_kabuli_chr07	28026954	TT	GG	1940408813
SNP_P1_144764_28027353	NC_021166.1	Ca_kabuli_chr07	28027353	AA	CC	1940408815
SNP_P1_144765_28029875	NC_021166.1	Ca_kabuli_chr07	28029875	AA	CC	1940408817
SNP_P1_144766_28037470	NC_021166.1	Ca_kabuli_chr07	28037470	GG	AA	1940408819
SNP_P1_144767_28048234	NC_021166.1	Ca_kabuli_chr07	28048234	TT	CC	1940408820
SNP_P1_144768_28048241	NC_021166.1	Ca_kabuli_chr07	28048241	GG	AA	1940408822
SNP_P1_144769_28048274	NC_021166.1	Ca_kabuli_chr07	28048274	CC	TT	1940408824
SNP_P1_144770_28048304	NC_021166.1	Ca_kabuli_chr07	28048304	GG	CC	1940408826
SNP_P1_144772_28074891	NC_021166.1	Ca_kabuli_chr07	28074891	AA	CC	1940408828
SNP_P1_144773_28074925	NC_021166.1	Ca_kabuli_chr07	28074925	TT	CC	1940408829
SNP_P1_144774_28075256	NC_021166.1	Ca_kabuli_chr07	28075256	AA	GG	1940408831
SNP_P1_144775_28075278	NC_021166.1	Ca_kabuli_chr07	28075278	AA	GG	1940408833
SNP_P1_144776_28075293	NC_021166.1	Ca_kabuli_chr07	28075293	CC	TT	1940408835
SNP_P1_144777_28075305	NC_021166.1	Ca_kabuli_chr07	28075305	GG	AA	1940408837
SNP_P1_144778_28075328	NC_021166.1	Ca_kabuli_chr07	28075328	AA	GG	1940408838
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SNP_P1_144780_28075368	NC_021166.1	Ca_kabuli_chr07	28075368	TT	CC	1940408842
SNP_P1_144781_28075370	NC_021166.1	Ca_kabuli_chr07	28075370	AA	GG	1940408844
SNP_P1_144782_28075382	NC_021166.1	Ca_kabuli_chr07	28075382	AA	GG	1940408846
SNP_P1_144783_28076335	NC_021166.1	Ca_kabuli_chr07	28076335	TT	CC	1940408847
SNP_P1_144784_28079046	NC_021166.1	Ca_kabuli_chr07	28079046	GG	CC	1940408849
SNP_P1_144785_28079048	NC_021166.1	Ca_kabuli_chr07	28079048	TT	CC	1940408851
SNP_P1_144786_28079091	NC_021166.1	Ca_kabuli_chr07	28079091	AA	CC	1940408853
SNP_P1_144787_28079095	NC_021166.1	Ca_kabuli_chr07	28079095	AA	TT	1940408855
SNP_P1_144788_28079096	NC_021166.1	Ca_kabuli_chr07	28079096	AA	TT	1940408856

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144790_28093725	NC_021166.1	Ca_kabuli_chr07	28093725	CC	TT	1940408860
SNP_P1_144791_28093755	NC_021166.1	Ca_kabuli_chr07	28093755	CC	TT	1940408862
SNP_P1_144792_28093910	NC_021166.1	Ca_kabuli_chr07	28093910	CC	TT	1940408864
SNP_P1_144793_28094014	NC_021166.1	Ca_kabuli_chr07	28094014	CC	AA	1940408865
SNP_P1_144794_28094158	NC_021166.1	Ca_kabuli_chr07	28094158	GG	TT	1940408867
SNP_P1_144795_28094204	NC_021166.1	Ca_kabuli_chr07	28094204	TT	CC	1940408869
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SNP_P1_144797_28094224	NC_021166.1	Ca_kabuli_chr07	28094224	AA	CC	1940408873
SNP_P1_144798_28113185	NC_021166.1	Ca_kabuli_chr07	28113185	AA	GG	1940408874
SNP_P1_144799_28113248	NC_021166.1	Ca_kabuli_chr07	28113248	CC	AA	1940408876
SNP_P1_144800_28113256	NC_021166.1	Ca_kabuli_chr07	28113256	TT	CC	1940408878
SNP_P1_144801_28113262	NC_021166.1	Ca_kabuli_chr07	28113262	CC	AA	1940408880
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SNP_P1_144803_28115278	NC_021166.1	Ca_kabuli_chr07	28115278	AA	GG	1940408883
SNP_P1_144804_28119258	NC_021166.1	Ca_kabuli_chr07	28119258	AA	TT	1940408885
SNP_P1_144805_28119615	NC_021166.1	Ca_kabuli_chr07	28119615	TT	CC	1940408887
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SNP_P1_144810_28163918	NC_021166.1	Ca_kabuli_chr07	28163918	TT	CC	1940408896
SNP_P1_144811_28163922	NC_021166.1	Ca_kabuli_chr07	28163922	AA	TT	1940408898
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SNP_P1_144814_28164055	NC_021166.1	Ca_kabuli_chr07	28164055	GG	AA	1940408903
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SNP_P1_144818_28186176	NC_021166.1	Ca_kabuli_chr07	28186176	GG	CC	1940408908
SNP_P1_144819_28186242	NC_021166.1	Ca_kabuli_chr07	28186242	CC	TT	1940408910
SNP_P1_144820_28189788	NC_021166.1	Ca_kabuli_chr07	28189788	AA	GG	1940408912
SNP_P1_144822_28189913	NC_021166.1	Ca_kabuli_chr07	28189913	TT	GG	1940408914
SNP_P1_144823_28190095	NC_021166.1	Ca_kabuli_chr07	28190095	AA	TT	1940408916
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SNP_P1_144831_28219934	NC_021166.1	Ca_kabuli_chr07	28219934	TT	AA	1940408928
SNP_P1_144832_28237566	NC_021166.1	Ca_kabuli_chr07	28237566	TT	AA	1940408930
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144836_28240517	NC_021166.1	Ca_kabuli_chr07	28240517	AA	GG	1940408937
SNP_P1_144837_28240540	NC_021166.1	Ca_kabuli_chr07	28240540	TT	AA	1940408939
SNP_P1_144838_28240545	NC_021166.1	Ca_kabuli_chr07	28240545	CC	AA	1940408941
SNP_P1_144839_28240603	NC_021166.1	Ca_kabuli_chr07	28240603	GG	TT	1940408943
SNP_P1_144840_28240611	NC_021166.1	Ca_kabuli_chr07	28240611	TT	CC	1940408944
SNP_P1_144841_28240810	NC_021166.1	Ca_kabuli_chr07	28240810	TT	GG	1940408946
SNP_P1_144842_28240834	NC_021166.1	Ca_kabuli_chr07	28240834	TT	CC	1940408948
SNP_P1_144843_28243718	NC_021166.1	Ca_kabuli_chr07	28243718	TT	CC	1940408950
SNP_P1_144844_28257074	NC_021166.1	Ca_kabuli_chr07	28257074	CC	AA	1940408952
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SNP_P1_144847_28321761	NC_021166.1	Ca_kabuli_chr07	28321761	CC	TT	1940408957
SNP_P1_144848_28323189	NC_021166.1	Ca_kabuli_chr07	28323189	GG	AA	1940408959
SNP_P1_144850_28335039	NC_021166.1	Ca_kabuli_chr07	28335039	CC	TT	1940408961
SNP_P1_144852_28336461	NC_021166.1	Ca_kabuli_chr07	28336461	AA	GG	1940408962
SNP_P1_144853_28351619	NC_021166.1	Ca_kabuli_chr07	28351619	TT	GG	1940408964
SNP_P1_144855_28352872	NC_021166.1	Ca_kabuli_chr07	28352872	TT	CC	1940408966
SNP_P1_144857_28369519	NC_021166.1	Ca_kabuli_chr07	28369519	CC	GG	1940408968
SNP_P1_144860_28385519	NC_021166.1	Ca_kabuli_chr07	28385519	AA	GG	1940408970
SNP_P1_144862_28392908	NC_021166.1	Ca_kabuli_chr07	28392908	TT	GG	1940408971
SNP_P1_144864_28401444	NC_021166.1	Ca_kabuli_chr07	28401444	CC	TT	1940408973
SNP_P1_144869_28486280	NC_021166.1	Ca_kabuli_chr07	28486280	TT	CC	1940408975
SNP_P1_144871_28502845	NC_021166.1	Ca_kabuli_chr07	28502845	GG	AA	1940408977
SNP_P1_144872_28517980	NC_021166.1	Ca_kabuli_chr07	28517980	AA	GG	1940408979
SNP_P1_144874_28529061	NC_021166.1	Ca_kabuli_chr07	28529061	GG	AA	1940408980
SNP_P1_144875_28529062	NC_021166.1	Ca_kabuli_chr07	28529062	AA	TT	1940408982
SNP_P1_144876_28529866	NC_021166.1	Ca_kabuli_chr07	28529866	AA	CC	1940408984
SNP_P1_144877_28556860	NC_021166.1	Ca_kabuli_chr07	28556860	TT	CC	1940408986
SNP_P1_144878_28556866	NC_021166.1	Ca_kabuli_chr07	28556866	TT	CC	1940408988
SNP_P1_144879_28556933	NC_021166.1	Ca_kabuli_chr07	28556933	AA	TT	1940408989
SNP_P1_144881_28557030	NC_021166.1	Ca_kabuli_chr07	28557030	TT	CC	1940408991
SNP_P1_144882_28557139	NC_021166.1	Ca_kabuli_chr07	28557139	CC	TT	1940408993
SNP_P1_144883_28557203	NC_021166.1	Ca_kabuli_chr07	28557203	GG	AA	1940408995
SNP_P1_144885_28557249	NC_021166.1	Ca_kabuli_chr07	28557249	GG	TT	1940408997
SNP_P1_144886_28557386	NC_021166.1	Ca_kabuli_chr07	28557386	TT	CC	1940408998
SNP_P1_144887_28558043	NC_021166.1	Ca_kabuli_chr07	28558043	AA	CC	1940409000
SNP_P1_144888_28561207	NC_021166.1	Ca_kabuli_chr07	28561207	TT	CC	1940409002
SNP_P1_144889_28561217	NC_021166.1	Ca_kabuli_chr07	28561217	GG	TT	1940409004
SNP_P1_144890_28561226	NC_021166.1	Ca_kabuli_chr07	28561226	TT	AA	1940409005
SNP_P1_144891_28561271	NC_021166.1	Ca_kabuli_chr07	28561271	TT	CC	1940409007

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144893_28561399	NC_021166.1	Ca_kabuli_chr07	28561399	GG	AA	1940409011
SNP_P1_144894_28561428	NC_021166.1	Ca_kabuli_chr07	28561428	TT	CC	1940409013
SNP_P1_144895_28561445	NC_021166.1	Ca_kabuli_chr07	28561445	AA	GG	1940409014
SNP_P1_144897_28561549	NC_021166.1	Ca_kabuli_chr07	28561549	TT	CC	1940409016
SNP_P1_144898_28561600	NC_021166.1	Ca_kabuli_chr07	28561600	AA	TT	1940409018
SNP_P1_144899_28561606	NC_021166.1	Ca_kabuli_chr07	28561606	AA	CC	1940409020
SNP_P1_144903_28589780	NC_021166.1	Ca_kabuli_chr07	28589780	AA	GG	1940409022
SNP_P1_144904_28610713	NC_021166.1	Ca_kabuli_chr07	28610713	TT	AA	1940409023
SNP_P1_144905_28611873	NC_021166.1	Ca_kabuli_chr07	28611873	AA	GG	1940409025
SNP_P1_144906_28614013	NC_021166.1	Ca_kabuli_chr07	28614013	GG	CC	1940409027
SNP_P1_144908_28619530	NC_021166.1	Ca_kabuli_chr07	28619530	TT	GG	1940409029
SNP_P1_144909_28619534	NC_021166.1	Ca_kabuli_chr07	28619534	TT	CC	1940409031
SNP_P1_144912_28638938	NC_021166.1	Ca_kabuli_chr07	28638938	CC	AA	1940409032
SNP_P1_144913_28639334	NC_021166.1	Ca_kabuli_chr07	28639334	GG	TT	1940409034
SNP_P1_144914_28645094	NC_021166.1	Ca_kabuli_chr07	28645094	CC	AA	1940409036
SNP_P1_144915_28645096	NC_021166.1	Ca_kabuli_chr07	28645096	TT	CC	1940409038
SNP_P1_144917_28652673	NC_021166.1	Ca_kabuli_chr07	28652673	CC	TT	1940409040
SNP_P1_144919_28659893	NC_021166.1	Ca_kabuli_chr07	28659893	CC	TT	1940409041
SNP_P1_144920_28668050	NC_021166.1	Ca_kabuli_chr07	28668050	GG	TT	1940409043
SNP_P1_144921_28670727	NC_021166.1	Ca_kabuli_chr07	28670727	TT	CC	1940409045
SNP_P1_144922_28684643	NC_021166.1	Ca_kabuli_chr07	28684643	CC	AA	1940409047
SNP_P1_144923_28702153	NC_021166.1	Ca_kabuli_chr07	28702153	GG	AA	1940409049
SNP_P1_144924_28702322	NC_021166.1	Ca_kabuli_chr07	28702322	TT	CC	1940409050
SNP_P1_144925_28702492	NC_021166.1	Ca_kabuli_chr07	28702492	CC	TT	1940409052
SNP_P1_144926_28702561	NC_021166.1	Ca_kabuli_chr07	28702561	AA	CC	1940409054
SNP_P1_144927_28702615	NC_021166.1	Ca_kabuli_chr07	28702615	TT	CC	1940409056
SNP_P1_144929_28703571	NC_021166.1	Ca_kabuli_chr07	28703571	CC	AA	1940409058
SNP_P1_144930_28705945	NC_021166.1	Ca_kabuli_chr07	28705945	TT	CC	1940409059
SNP_P1_144932_28707198	NC_021166.1	Ca_kabuli_chr07	28707198	CC	AA	1940409061
SNP_P1_144934_28707268	NC_021166.1	Ca_kabuli_chr07	28707268	GG	AA	1940409063
SNP_P1_144935_28707394	NC_021166.1	Ca_kabuli_chr07	28707394	TT	CC	1940409065
SNP_P1_144937_28707467	NC_021166.1	Ca_kabuli_chr07	28707467	AA	GG	1940409067
SNP_P1_144938_28707595	NC_021166.1	Ca_kabuli_chr07	28707595	CC	TT	1940409068
SNP_P1_144939_28707652	NC_021166.1	Ca_kabuli_chr07	28707652	GG	AA	1940409070
SNP_P1_144940_28707751	NC_021166.1	Ca_kabuli_chr07	28707751	AA	GG	1940409072
SNP_P1_144941_28707905	NC_021166.1	Ca_kabuli_chr07	28707905	GG	CC	1940409074
SNP_P1_144942_28875858	NC_021166.1	Ca_kabuli_chr07	28875858	TT	AA	1940409076
SNP_P1_144943_28875900	NC_021166.1	Ca_kabuli_chr07	28875900	TT	CC	1940409077
SNP_P1_144944_28876231	NC_021166.1	Ca_kabuli_chr07	28876231	CC	AA	1940409079
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SNP_P1_144947_28888169	NC_021166.1	Ca_kabuli_chr07	28888169	GG	AA	1940409083

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144949_28892173	NC_021166.1	Ca_kabuli_chr07	28892173	CC	TT	1940409086
SNP_P1_144950_28892328	NC_021166.1	Ca_kabuli_chr07	28892328	GG	TT	1940409088
SNP_P1_144951_28892337	NC_021166.1	Ca_kabuli_chr07	28892337	AA	GG	1940409090
SNP_P1_144952_28904473	NC_021166.1	Ca_kabuli_chr07	28904473	GG	CC	1940409092
SNP_P1_144953_28904772	NC_021166.1	Ca_kabuli_chr07	28904772	TT	AA	1940409094
SNP_P1_144954_28906867	NC_021166.1	Ca_kabuli_chr07	28906867	TT	CC	1940409095
SNP_P1_144955_28907225	NC_021166.1	Ca_kabuli_chr07	28907225	AA	GG	1940409097
SNP_P1_144956_28907258	NC_021166.1	Ca_kabuli_chr07	28907258	TT	CC	1940409099
SNP_P1_144957_28907272	NC_021166.1	Ca_kabuli_chr07	28907272	CC	GG	1940409101
SNP_P1_144958_28907319	NC_021166.1	Ca_kabuli_chr07	28907319	TT	CC	1940409103
SNP_P1_144959_28911476	NC_021166.1	Ca_kabuli_chr07	28911476	AA	CC	1940409104
SNP_P1_144960_28912161	NC_021166.1	Ca_kabuli_chr07	28912161	CC	TT	1940409106
SNP_P1_144961_28912618	NC_021166.1	Ca_kabuli_chr07	28912618	TT	AA	1940409108
SNP_P1_144962_28912848	NC_021166.1	Ca_kabuli_chr07	28912848	GG	AA	1940409110
SNP_P1_144963_28912868	NC_021166.1	Ca_kabuli_chr07	28912868	AA	GG	1940409112
SNP_P1_144964_28912875	NC_021166.1	Ca_kabuli_chr07	28912875	TT	GG	1940409113
SNP_P1_144965_28912899	NC_021166.1	Ca_kabuli_chr07	28912899	AA	GG	1940409115
SNP_P1_144966_28912910	NC_021166.1	Ca_kabuli_chr07	28912910	GG	AA	1940409117
SNP_P1_144968_28913527	NC_021166.1	Ca_kabuli_chr07	28913527	TT	CC	1940409119
SNP_P1_144969_28913905	NC_021166.1	Ca_kabuli_chr07	28913905	TT	GG	1940409121
SNP_P1_144970_28914027	NC_021166.1	Ca_kabuli_chr07	28914027	CC	TT	1940409122
SNP_P1_144971_28914164	NC_021166.1	Ca_kabuli_chr07	28914164	GG	AA	1940409124
SNP_P1_144972_28914173	NC_021166.1	Ca_kabuli_chr07	28914173	GG	AA	1940409126
SNP_P1_144973_28914217	NC_021166.1	Ca_kabuli_chr07	28914217	AA	GG	1940409128
SNP_P1_144974_28914242	NC_021166.1	Ca_kabuli_chr07	28914242	GG	AA	1940409130
SNP_P1_144975_28914253	NC_021166.1	Ca_kabuli_chr07	28914253	AA	TT	1940409131
SNP_P1_144976_28914256	NC_021166.1	Ca_kabuli_chr07	28914256	AA	CC	1940409133
SNP_P1_144977_28914573	NC_021166.1	Ca_kabuli_chr07	28914573	CC	TT	1940409135
SNP_P1_144978_28914586	NC_021166.1	Ca_kabuli_chr07	28914586	GG	AA	1940409137
SNP_P1_144980_28915071	NC_021166.1	Ca_kabuli_chr07	28915071	TT	CC	1940409139
SNP_P1_144981_28915114	NC_021166.1	Ca_kabuli_chr07	28915114	TT	AA	1940409140
SNP_P1_144983_28915388	NC_021166.1	Ca_kabuli_chr07	28915388	AA	TT	1940409142
SNP_P1_144984_28916647	NC_021166.1	Ca_kabuli_chr07	28916647	TT	CC	1940409144
SNP_P1_144985_28918641	NC_021166.1	Ca_kabuli_chr07	28918641	CC	TT	1940409146
SNP_P1_144986_28918775	NC_021166.1	Ca_kabuli_chr07	28918775	AA	CC	1940409148
SNP_P1_144988_28918902	NC_021166.1	Ca_kabuli_chr07	28918902	GG	CC	1940409149
SNP_P1_144990_28918973	NC_021166.1	Ca_kabuli_chr07	28918973	TT	CC	1940409151
SNP_P1_144991_28918993	NC_021166.1	Ca_kabuli_chr07	28918993	GG	AA	1940409153
SNP_P1_144993_28919479	NC_021166.1	Ca_kabuli_chr07	28919479	TT	CC	1940409155
SNP_P1_144994_28919486	NC_021166.1	Ca_kabuli_chr07	28919486	CC	TT	1940409157
SNP_P1_144995_28923058	NC_021166.1	Ca_kabuli_chr07	28923058	AA	TT	1940409158

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_144997_28923852	NC_021166.1	Ca_kabuli_chr07	28923852	CC	GG	1940409162
SNP_P1_144998_28924098	NC_021166.1	Ca_kabuli_chr07	28924098	CC	TT	1940409164
SNP_P1_144999_28924317	NC_021166.1	Ca_kabuli_chr07	28924317	CC	AA	1940409166
SNP_P1_145000_28924330	NC_021166.1	Ca_kabuli_chr07	28924330	TT	AA	1940409167
SNP_P1_145001_28924343	NC_021166.1	Ca_kabuli_chr07	28924343	GG	AA	1940409169
SNP_P1_145002_28924570	NC_021166.1	Ca_kabuli_chr07	28924570	TT	AA	1940409171
SNP_P1_145003_28924943	NC_021166.1	Ca_kabuli_chr07	28924943	CC	TT	1940409173
SNP_P1_145004_28924987	NC_021166.1	Ca_kabuli_chr07	28924987	TT	AA	1940409175
SNP_P1_145005_28924988	NC_021166.1	Ca_kabuli_chr07	28924988	AA	GG	1940409176
SNP_P1_145007_28925732	NC_021166.1	Ca_kabuli_chr07	28925732	TT	CC	1940409178
SNP_P1_145009_28925900	NC_021166.1	Ca_kabuli_chr07	28925900	AA	GG	1940409180
SNP_P1_145010_28926007	NC_021166.1	Ca_kabuli_chr07	28926007	GG	TT	1940409182
SNP_P1_145012_28926032	NC_021166.1	Ca_kabuli_chr07	28926032	AA	GG	1940409183
SNP_P1_145013_28926142	NC_021166.1	Ca_kabuli_chr07	28926142	AA	CC	1940409185
SNP_P1_145014_28929050	NC_021166.1	Ca_kabuli_chr07	28929050	GG	AA	1940409187
SNP_P1_145015_28929081	NC_021166.1	Ca_kabuli_chr07	28929081	AA	CC	1940409189
SNP_P1_145016_28930587	NC_021166.1	Ca_kabuli_chr07	28930587	CC	AA	1940409191
SNP_P1_145017_28931840	NC_021166.1	Ca_kabuli_chr07	28931840	AA	TT	1940409192
SNP_P1_145018_28931964	NC_021166.1	Ca_kabuli_chr07	28931964	GG	AA	1940409194
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SNP_P1_145020_28932443	NC_021166.1	Ca_kabuli_chr07	28932443	GG	AA	1940409198
SNP_P1_145021_28932480	NC_021166.1	Ca_kabuli_chr07	28932480	TT	CC	1940409200
SNP_P1_145022_28932531	NC_021166.1	Ca_kabuli_chr07	28932531	AA	GG	1940409201
SNP_P1_145023_28932814	NC_021166.1	Ca_kabuli_chr07	28932814	AA	GG	1940409203
SNP_P1_145024_28932904	NC_021166.1	Ca_kabuli_chr07	28932904	TT	CC	1940409205
SNP_P1_145025_28932960	NC_021166.1	Ca_kabuli_chr07	28932960	GG	AA	1940409207
SNP_P1_145026_28932977	NC_021166.1	Ca_kabuli_chr07	28932977	TT	AA	1940409209
SNP_P1_145028_28933780	NC_021166.1	Ca_kabuli_chr07	28933780	TT	AA	1940409210
SNP_P1_145029_28933905	NC_021166.1	Ca_kabuli_chr07	28933905	CC	TT	1940409212
SNP_P1_145030_28934096	NC_021166.1	Ca_kabuli_chr07	28934096	CC	AA	1940409214
SNP_P1_145031_28934111	NC_021166.1	Ca_kabuli_chr07	28934111	GG	AA	1940409216
SNP_P1_145032_28934141	NC_021166.1	Ca_kabuli_chr07	28934141	GG	TT	1940409218
SNP_P1_145033_28934149	NC_021166.1	Ca_kabuli_chr07	28934149	TT	CC	1940409219
SNP_P1_145034_28934174	NC_021166.1	Ca_kabuli_chr07	28934174	CC	TT	1940409221
SNP_P1_145035_28934185	NC_021166.1	Ca_kabuli_chr07	28934185	GG	AA	1940409223
SNP_P1_145036_28934187	NC_021166.1	Ca_kabuli_chr07	28934187	TT	GG	1940409225
SNP_P1_145038_28934737	NC_021166.1	Ca_kabuli_chr07	28934737	AA	TT	1940409227
SNP_P1_145039_28935773	NC_021166.1	Ca_kabuli_chr07	28935773	CC	TT	1940409228
SNP_P1_145040_28935811	NC_021166.1	Ca_kabuli_chr07	28935811	TT	CC	1940409230
SNP_P1_145042_28935937	NC_021166.1	Ca_kabuli_chr07	28935937	TT	GG	1940409232
SNP_P1_145044_28937138	NC_021166.1	Ca_kabuli_chr07	28937138	AA	GG	1940409234

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145047_28938586	NC_021166.1	Ca_kabuli_chr07	28938586	AA	GG	1940409237
SNP_P1_145048_28938924	NC_021166.1	Ca_kabuli_chr07	28938924	CC	TT	1940409239
SNP_P1_145049_28938927	NC_021166.1	Ca_kabuli_chr07	28938927	AA	TT	1940409241
SNP_P1_145050_28939284	NC_021166.1	Ca_kabuli_chr07	28939284	TT	AA	1940409243
SNP_P1_145051_28939312	NC_021166.1	Ca_kabuli_chr07	28939312	TT	CC	1940409245
SNP_P1_145052_28939816	NC_021166.1	Ca_kabuli_chr07	28939816	GG	AA	1940409246
SNP_P1_145053_28939820	NC_021166.1	Ca_kabuli_chr07	28939820	TT	CC	1940409248
SNP_P1_145054_28939824	NC_021166.1	Ca_kabuli_chr07	28939824	AA	GG	1940409250
SNP_P1_145055_28939827	NC_021166.1	Ca_kabuli_chr07	28939827	TT	GG	1940409252
SNP_P1_145057_28941182	NC_021166.1	Ca_kabuli_chr07	28941182	GG	CC	1940409254
SNP_P1_145058_28941278	NC_021166.1	Ca_kabuli_chr07	28941278	CC	TT	1940409255
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SNP_P1_145061_28941410	NC_021166.1	Ca_kabuli_chr07	28941410	CC	TT	1940409261
SNP_P1_145063_28942575	NC_021166.1	Ca_kabuli_chr07	28942575	CC	GG	1940409263
SNP_P1_145064_28942800	NC_021166.1	Ca_kabuli_chr07	28942800	CC	TT	1940409264
SNP_P1_145065_28943087	NC_021166.1	Ca_kabuli_chr07	28943087	CC	TT	1940409266
SNP_P1_145066_28943216	NC_021166.1	Ca_kabuli_chr07	28943216	CC	AA	1940409268
SNP_P1_145067_28944188	NC_021166.1	Ca_kabuli_chr07	28944188	CC	AA	1940409270
SNP_P1_145069_28944963	NC_021166.1	Ca_kabuli_chr07	28944963	AA	GG	1940409272
SNP_P1_145070_28946048	NC_021166.1	Ca_kabuli_chr07	28946048	TT	AA	1940409273
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SNP_P1_145072_28947164	NC_021166.1	Ca_kabuli_chr07	28947164	TT	CC	1940409277
SNP_P1_145073_28947165	NC_021166.1	Ca_kabuli_chr07	28947165	TT	GG	1940409279
SNP_P1_145074_28947313	NC_021166.1	Ca_kabuli_chr07	28947313	AA	GG	1940409281
SNP_P1_145075_28947362	NC_021166.1	Ca_kabuli_chr07	28947362	AA	GG	1940409282
SNP_P1_145076_28947631	NC_021166.1	Ca_kabuli_chr07	28947631	CC	TT	1940409284
SNP_P1_145077_28947728	NC_021166.1	Ca_kabuli_chr07	28947728	TT	CC	1940409286
SNP_P1_145078_28947747	NC_021166.1	Ca_kabuli_chr07	28947747	CC	TT	1940409288
SNP_P1_145081_28948476	NC_021166.1	Ca_kabuli_chr07	28948476	CC	AA	1940409290
SNP_P1_145082_28948478	NC_021166.1	Ca_kabuli_chr07	28948478	TT	CC	1940409291
SNP_P1_145083_28948494	NC_021166.1	Ca_kabuli_chr07	28948494	CC	GG	1940409293
SNP_P1_145084_28948504	NC_021166.1	Ca_kabuli_chr07	28948504	CC	AA	1940409295
SNP_P1_145085_28948570	NC_021166.1	Ca_kabuli_chr07	28948570	AA	CC	1940409297
SNP_P1_145087_28948636	NC_021166.1	Ca_kabuli_chr07	28948636	AA	GG	1940409299
SNP_P1_145088_28949189	NC_021166.1	Ca_kabuli_chr07	28949189	AA	TT	1940409300
SNP_P1_145089_28949225	NC_021166.1	Ca_kabuli_chr07	28949225	TT	CC	1940409302
SNP_P1_145091_28949523	NC_021166.1	Ca_kabuli_chr07	28949523	TT	AA	1940409304
SNP_P1_145092_28949525	NC_021166.1	Ca_kabuli_chr07	28949525	AA	GG	1940409306
SNP_P1_145094_28949963	NC_021166.1	Ca_kabuli_chr07	28949963	CC	TT	1940409308
SNP_P1_145095_28949994	NC_021166.1	Ca_kabuli_chr07	28949994	GG	AA	1940409309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_145096_28950286	NC_021166.1	Ca_kabuli_chr07	28950286	AA	CC	1940409311
SNP_P1_145097_28950337	NC_021166.1	Ca_kabuli_chr07	28950337	CC	TT	1940409313
SNP_P1_145099_28950459	NC_021166.1	Ca_kabuli_chr07	28950459	AA	GG	1940409315
SNP_P1_145100_28950489	NC_021166.1	Ca_kabuli_chr07	28950489	GG	CC	1940409317
SNP_P1_145101_28950496	NC_021166.1	Ca_kabuli_chr07	28950496	TT	AA	1940409318
SNP_P1_145103_28950774	NC_021166.1	Ca_kabuli_chr07	28950774	AA	GG	1940409320
SNP_P1_145105_28950837	NC_021166.1	Ca_kabuli_chr07	28950837	AA	GG	1940409322
SNP_P1_145106_28950921	NC_021166.1	Ca_kabuli_chr07	28950921	TT	GG	1940409324
SNP_P1_145107_28950923	NC_021166.1	Ca_kabuli_chr07	28950923	AA	GG	1940409326
SNP_P1_145108_28950925	NC_021166.1	Ca_kabuli_chr07	28950925	AA	GG	1940409327
SNP_P1_145109_28950935	NC_021166.1	Ca_kabuli_chr07	28950935	GG	AA	1940409329
SNP_P1_145110_28950954	NC_021166.1	Ca_kabuli_chr07	28950954	TT	CC	1940409331
SNP_P1_145111_28950981	NC_021166.1	Ca_kabuli_chr07	28950981	CC	TT	1940409333
SNP_P1_145112_28951025	NC_021166.1	Ca_kabuli_chr07	28951025	TT	CC	1940409335
SNP_P1_145113_28951027	NC_021166.1	Ca_kabuli_chr07	28951027	GG	AA	1940409336
SNP_P1_145115_28952714	NC_021166.1	Ca_kabuli_chr07	28952714	AA	GG	1940409338
SNP_P1_145116_28953170	NC_021166.1	Ca_kabuli_chr07	28953170	AA	GG	1940409340
SNP_P1_145117_28953397	NC_021166.1	Ca_kabuli_chr07	28953397	TT	CC	1940409342
SNP_P1_145118_28954749	NC_021166.1	Ca_kabuli_chr07	28954749	AA	TT	1940409344
SNP_P1_145119_28956459	NC_021166.1	Ca_kabuli_chr07	28956459	AA	CC	1940409345
SNP_P1_145120_28956573	NC_021166.1	Ca_kabuli_chr07	28956573	CC	GG	1940409347
SNP_P1_145121_28956608	NC_021166.1	Ca_kabuli_chr07	28956608	AA	GG	1940409349
SNP_P1_145122_28956628	NC_021166.1	Ca_kabuli_chr07	28956628	AA	GG	1940409351
SNP_P1_145123_28956817	NC_021166.1	Ca_kabuli_chr07	28956817	AA	GG	1940409353
SNP_P1_145124_28956841	NC_021166.1	Ca_kabuli_chr07	28956841	TT	GG	1940409354
SNP_P1_145125_28956908	NC_021166.1	Ca_kabuli_chr07	28956908	AA	GG	1940409356
SNP_P1_145126_28956928	NC_021166.1	Ca_kabuli_chr07	28956928	CC	TT	1940409358
SNP_P1_145127_28956978	NC_021166.1	Ca_kabuli_chr07	28956978	AA	TT	1940409360
SNP_P1_145128_28957032	NC_021166.1	Ca_kabuli_chr07	28957032	TT	AA	1940409362
SNP_P1_145129_28957078	NC_021166.1	Ca_kabuli_chr07	28957078	AA	GG	1940409363
SNP_P1_145130_28957149	NC_021166.1	Ca_kabuli_chr07	28957149	TT	GG	1940409365
SNP_P1_145131_28957235	NC_021166.1	Ca_kabuli_chr07	28957235	TT	CC	1940409367
SNP_P1_145132_28957254	NC_021166.1	Ca_kabuli_chr07	28957254	AA	TT	1940409369
SNP_P1_145133_28957403	NC_021166.1	Ca_kabuli_chr07	28957403	GG	AA	1940409371
SNP_P1_145134_28957510	NC_021166.1	Ca_kabuli_chr07	28957510	AA	TT	1940409372
SNP_P1_145135_28958704	NC_021166.1	Ca_kabuli_chr07	28958704	AA	CC	1940409374
SNP_P1_145136_28958757	NC_021166.1	Ca_kabuli_chr07	28958757	TT	CC	1940409376
SNP_P1_145137_28959108	NC_021166.1	Ca_kabuli_chr07	28959108	AA	TT	1940409378
SNP_P1_145138_28959342	NC_021166.1	Ca_kabuli_chr07	28959342	TT	CC	1940409380
SNP_P1_145139_28959349	NC_021166.1	Ca_kabuli_chr07	28959349	TT	AA	1940409381
SNP_P1_145140_28959421	NC_021166.1	Ca_kabuli_chr07	28959421	CC	AA	1940409383
SNP_P1_145142_28959789	NC_021166.1	Ca_kabuli_chr07	28959789	AA	TT	1940409385

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145144_28962014	NC_021166.1	Ca_kabuli_chr07	28962014	AA	GG	1940409389
SNP_P1_145145_28962648	NC_021166.1	Ca_kabuli_chr07	28962648	CC	AA	1940409390
SNP_P1_145147_28964503	NC_021166.1	Ca_kabuli_chr07	28964503	CC	GG	1940409392
SNP_P1_145148_28964666	NC_021166.1	Ca_kabuli_chr07	28964666	TT	CC	1940409394
SNP_P1_145149_28964701	NC_021166.1	Ca_kabuli_chr07	28964701	TT	CC	1940409396
SNP_P1_145150_28964727	NC_021166.1	Ca_kabuli_chr07	28964727	GG	AA	1940409397
SNP_P1_145151_28964745	NC_021166.1	Ca_kabuli_chr07	28964745	AA	GG	1940409399
SNP_P1_145152_28964758	NC_021166.1	Ca_kabuli_chr07	28964758	GG	AA	1940409401
SNP_P1_145153_28964893	NC_021166.1	Ca_kabuli_chr07	28964893	AA	CC	1940409403
SNP_P1_145154_28965121	NC_021166.1	Ca_kabuli_chr07	28965121	AA	TT	1940409405
SNP_P1_145155_28965133	NC_021166.1	Ca_kabuli_chr07	28965133	GG	AA	1940409406
SNP_P1_145156_28965159	NC_021166.1	Ca_kabuli_chr07	28965159	TT	AA	1940409408
SNP_P1_145157_28965166	NC_021166.1	Ca_kabuli_chr07	28965166	AA	GG	1940409410
SNP_P1_145158_28965250	NC_021166.1	Ca_kabuli_chr07	28965250	CC	TT	1940409412
SNP_P1_145159_28965277	NC_021166.1	Ca_kabuli_chr07	28965277	GG	AA	1940409414
SNP_P1_145160_28965366	NC_021166.1	Ca_kabuli_chr07	28965366	GG	CC	1940409415
SNP_P1_145161_28965744	NC_021166.1	Ca_kabuli_chr07	28965744	AA	CC	1940409417
SNP_P1_145164_28966614	NC_021166.1	Ca_kabuli_chr07	28966614	TT	GG	1940409419
SNP_P1_145165_28966630	NC_021166.1	Ca_kabuli_chr07	28966630	GG	AA	1940409421
SNP_P1_145166_28966830	NC_021166.1	Ca_kabuli_chr07	28966830	TT	CC	1940409423
SNP_P1_145167_28966831	NC_021166.1	Ca_kabuli_chr07	28966831	CC	GG	1940409424
SNP_P1_145168_28966850	NC_021166.1	Ca_kabuli_chr07	28966850	AA	GG	1940409426
SNP_P1_145169_28966894	NC_021166.1	Ca_kabuli_chr07	28966894	GG	AA	1940409428
SNP_P1_145170_28966897	NC_021166.1	Ca_kabuli_chr07	28966897	GG	TT	1940409430
SNP_P1_145171_28967192	NC_021166.1	Ca_kabuli_chr07	28967192	TT	AA	1940409432
SNP_P1_145172_28967219	NC_021166.1	Ca_kabuli_chr07	28967219	GG	AA	1940409433
SNP_P1_145173_28967226	NC_021166.1	Ca_kabuli_chr07	28967226	AA	CC	1940409435
SNP_P1_145174_28967496	NC_021166.1	Ca_kabuli_chr07	28967496	CC	TT	1940409437
SNP_P1_145175_28967544	NC_021166.1	Ca_kabuli_chr07	28967544	TT	AA	1940409439
SNP_P1_145176_28967739	NC_021166.1	Ca_kabuli_chr07	28967739	CC	GG	1940409441
SNP_P1_145177_28967763	NC_021166.1	Ca_kabuli_chr07	28967763	GG	AA	1940409442
SNP_P1_145178_28967776	NC_021166.1	Ca_kabuli_chr07	28967776	AA	CC	1940409444
SNP_P1_145179_28967812	NC_021166.1	Ca_kabuli_chr07	28967812	AA	TT	1940409446
SNP_P1_145180_28968126	NC_021166.1	Ca_kabuli_chr07	28968126	TT	GG	1940409448
SNP_P1_145181_28968232	NC_021166.1	Ca_kabuli_chr07	28968232	CC	TT	1940409450
SNP_P1_145183_28968290	NC_021166.1	Ca_kabuli_chr07	28968290	AA	TT	1940409451
SNP_P1_145184_28968465	NC_021166.1	Ca_kabuli_chr07	28968465	TT	AA	1940409453
SNP_P1_145185_28968480	NC_021166.1	Ca_kabuli_chr07	28968480	AA	TT	1940409455
SNP_P1_145186_28968568	NC_021166.1	Ca_kabuli_chr07	28968568	CC	TT	1940409457
SNP_P1_145187_28968580	NC_021166.1	Ca_kabuli_chr07	28968580	AA	GG	1940409459
SNP_P1_145188_28968629	NC_021166.1	Ca_kabuli_chr07	28968629	GG	AA	1940409460

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145190_28968662	NC_021166.1	Ca_kabuli_chr07	28968662	AA	GG	1940409464
SNP_P1_145191_28968774	NC_021166.1	Ca_kabuli_chr07	28968774	GG	AA	1940409466
SNP_P1_145192_28968816	NC_021166.1	Ca_kabuli_chr07	28968816	CC	AA	1940409468
SNP_P1_145193_28968829	NC_021166.1	Ca_kabuli_chr07	28968829	GG	AA	1940409469
SNP_P1_145194_28968832	NC_021166.1	Ca_kabuli_chr07	28968832	GG	CC	1940409471
SNP_P1_145195_28968944	NC_021166.1	Ca_kabuli_chr07	28968944	CC	TT	1940409473
SNP_P1_145196_28969021	NC_021166.1	Ca_kabuli_chr07	28969021	GG	AA	1940409475
SNP_P1_145197_28969528	NC_021166.1	Ca_kabuli_chr07	28969528	GG	AA	1940409477
SNP_P1_145199_28973526	NC_021166.1	Ca_kabuli_chr07	28973526	CC	TT	1940409478
SNP_P1_145200_28974763	NC_021166.1	Ca_kabuli_chr07	28974763	TT	CC	1940409480
SNP_P1_145202_28979330	NC_021166.1	Ca_kabuli_chr07	28979330	TT	CC	1940409482
SNP_P1_145203_28979932	NC_021166.1	Ca_kabuli_chr07	28979932	GG	AA	1940409484
SNP_P1_145205_28982912	NC_021166.1	Ca_kabuli_chr07	28982912	GG	AA	1940409486
SNP_P1_145206_28986131	NC_021166.1	Ca_kabuli_chr07	28986131	CC	TT	1940409487
SNP_P1_145207_28987885	NC_021166.1	Ca_kabuli_chr07	28987885	TT	CC	1940409489
SNP_P1_145208_28988010	NC_021166.1	Ca_kabuli_chr07	28988010	GG	AA	1940409491
SNP_P1_145209_28990060	NC_021166.1	Ca_kabuli_chr07	28990060	TT	CC	1940409493
SNP_P1_145211_28990459	NC_021166.1	Ca_kabuli_chr07	28990459	AA	GG	1940409495
SNP_P1_145212_28990511	NC_021166.1	Ca_kabuli_chr07	28990511	CC	TT	1940409496
SNP_P1_145213_28990518	NC_021166.1	Ca_kabuli_chr07	28990518	GG	AA	1940409498
SNP_P1_145214_28990565	NC_021166.1	Ca_kabuli_chr07	28990565	CC	TT	1940409500
SNP_P1_145215_28990572	NC_021166.1	Ca_kabuli_chr07	28990572	GG	AA	1940409502
SNP_P1_145217_28990874	NC_021166.1	Ca_kabuli_chr07	28990874	CC	AA	1940409504
SNP_P1_145218_28998630	NC_021166.1	Ca_kabuli_chr07	28998630	GG	TT	1940409505
SNP_P1_145219_28998648	NC_021166.1	Ca_kabuli_chr07	28998648	GG	AA	1940409507
SNP_P1_145220_28999001	NC_021166.1	Ca_kabuli_chr07	28999001	CC	AA	1940409509
SNP_P1_145222_28999155	NC_021166.1	Ca_kabuli_chr07	28999155	TT	CC	1940409511
SNP_P1_145223_28999171	NC_021166.1	Ca_kabuli_chr07	28999171	GG	TT	1940409513
SNP_P1_145224_28999173	NC_021166.1	Ca_kabuli_chr07	28999173	TT	AA	1940409514
SNP_P1_145225_28999484	NC_021166.1	Ca_kabuli_chr07	28999484	TT	AA	1940409516
SNP_P1_145226_28999514	NC_021166.1	Ca_kabuli_chr07	28999514	AA	TT	1940409518
SNP_P1_145227_29000615	NC_021166.1	Ca_kabuli_chr07	29000615	TT	CC	1940409520
SNP_P1_145228_29000617	NC_021166.1	Ca_kabuli_chr07	29000617	GG	AA	1940409522
SNP_P1_145229_29000809	NC_021166.1	Ca_kabuli_chr07	29000809	TT	AA	1940409523
SNP_P1_145230_29000834	NC_021166.1	Ca_kabuli_chr07	29000834	AA	GG	1940409525
SNP_P1_145232_29001049	NC_021166.1	Ca_kabuli_chr07	29001049	GG	AA	1940409527
SNP_P1_145234_29001185	NC_021166.1	Ca_kabuli_chr07	29001185	AA	TT	1940409529
SNP_P1_145235_29001237	NC_021166.1	Ca_kabuli_chr07	29001237	CC	TT	1940409531
SNP_P1_145236_29001378	NC_021166.1	Ca_kabuli_chr07	29001378	AA	GG	1940409532
SNP_P1_145238_29001483	NC_021166.1	Ca_kabuli_chr07	29001483	CC	TT	1940409534
SNP_P1_145239_29001524	NC_021166.1	Ca_kabuli_chr07	29001524	AA	CC	1940409536

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145242_29003187	NC_021166.1	Ca_kabuli_chr07	29003187	CC	TT	1940409540
SNP_P1_145243_29003298	NC_021166.1	Ca_kabuli_chr07	29003298	CC	GG	1940409541
SNP_P1_145244_29003497	NC_021166.1	Ca_kabuli_chr07	29003497	CC	TT	1940409543
SNP_P1_145246_29004068	NC_021166.1	Ca_kabuli_chr07	29004068	AA	GG	1940409545
SNP_P1_145247_29004072	NC_021166.1	Ca_kabuli_chr07	29004072	TT	CC	1940409547
SNP_P1_145249_29005671	NC_021166.1	Ca_kabuli_chr07	29005671	TT	CC	1940409549
SNP_P1_145250_29005788	NC_021166.1	Ca_kabuli_chr07	29005788	AA	GG	1940409550
SNP_P1_145253_29008518	NC_021166.1	Ca_kabuli_chr07	29008518	CC	TT	1940409552
SNP_P1_145254_29008965	NC_021166.1	Ca_kabuli_chr07	29008965	TT	CC	1940409554
SNP_P1_145257_29009596	NC_021166.1	Ca_kabuli_chr07	29009596	TT	AA	1940409556
SNP_P1_145258_29009772	NC_021166.1	Ca_kabuli_chr07	29009772	AA	GG	1940409558
SNP_P1_145259_29009825	NC_021166.1	Ca_kabuli_chr07	29009825	AA	GG	1940409559
SNP_P1_145260_29009862	NC_021166.1	Ca_kabuli_chr07	29009862	TT	AA	1940409561
SNP_P1_145261_29010069	NC_021166.1	Ca_kabuli_chr07	29010069	TT	AA	1940409563
SNP_P1_145262_29010078	NC_021166.1	Ca_kabuli_chr07	29010078	AA	CC	1940409565
SNP_P1_145263_29010138	NC_021166.1	Ca_kabuli_chr07	29010138	TT	GG	1940409567
SNP_P1_145267_29010910	NC_021166.1	Ca_kabuli_chr07	29010910	CC	AA	1940409568
SNP_P1_145268_29011088	NC_021166.1	Ca_kabuli_chr07	29011088	TT	CC	1940409570
SNP_P1_145269_29011118	NC_021166.1	Ca_kabuli_chr07	29011118	AA	CC	1940409572
SNP_P1_145270_29011137	NC_021166.1	Ca_kabuli_chr07	29011137	GG	AA	1940409574
SNP_P1_145271_29011145	NC_021166.1	Ca_kabuli_chr07	29011145	CC	TT	1940409575
SNP_P1_145272_29011228	NC_021166.1	Ca_kabuli_chr07	29011228	TT	CC	1940409577
SNP_P1_145273_29011337	NC_021166.1	Ca_kabuli_chr07	29011337	AA	GG	1940409579
SNP_P1_145275_29012104	NC_021166.1	Ca_kabuli_chr07	29012104	CC	TT	1940409581
SNP_P1_145277_29012318	NC_021166.1	Ca_kabuli_chr07	29012318	CC	TT	1940409583
SNP_P1_145278_29012481	NC_021166.1	Ca_kabuli_chr07	29012481	CC	GG	1940409584
SNP_P1_145279_29014206	NC_021166.1	Ca_kabuli_chr07	29014206	AA	GG	1940409586
SNP_P1_145280_29014415	NC_021166.1	Ca_kabuli_chr07	29014415	AA	CC	1940409588
SNP_P1_145281_29014485	NC_021166.1	Ca_kabuli_chr07	29014485	GG	CC	1940409590
SNP_P1_145282_29014525	NC_021166.1	Ca_kabuli_chr07	29014525	AA	GG	1940409592
SNP_P1_145284_29014795	NC_021166.1	Ca_kabuli_chr07	29014795	CC	AA	1940409593
SNP_P1_145286_29014927	NC_021166.1	Ca_kabuli_chr07	29014927	AA	GG	1940409595
SNP_P1_145287_29015144	NC_021166.1	Ca_kabuli_chr07	29015144	TT	CC	1940409597
SNP_P1_145288_29015165	NC_021166.1	Ca_kabuli_chr07	29015165	GG	AA	1940409599
SNP_P1_145289_29015375	NC_021166.1	Ca_kabuli_chr07	29015375	AA	GG	1940409601
SNP_P1_145291_29015668	NC_021166.1	Ca_kabuli_chr07	29015668	CC	TT	1940409603
SNP_P1_145292_29015954	NC_021166.1	Ca_kabuli_chr07	29015954	TT	CC	1940409604
SNP_P1_145293_29015962	NC_021166.1	Ca_kabuli_chr07	29015962	CC	TT	1940409606
SNP_P1_145294_29016010	NC_021166.1	Ca_kabuli_chr07	29016010	GG	AA	1940409608
SNP_P1_145296_29019427	NC_021166.1	Ca_kabuli_chr07	29019427	CC	TT	1940409610
SNP_P1_145297_29019431	NC_021166.1	Ca_kabuli_chr07	29019431	CC	TT	1940409611

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145299_29019444	NC_021166.1	Ca_kabuli_chr07	29019444	GG	AA	1940409615
SNP_P1_145300_29019778	NC_021166.1	Ca_kabuli_chr07	29019778	GG	AA	1940409617
SNP_P1_145301_29019785	NC_021166.1	Ca_kabuli_chr07	29019785	AA	GG	1940409619
SNP_P1_145302_29019810	NC_021166.1	Ca_kabuli_chr07	29019810	GG	AA	1940409620
SNP_P1_145303_29020197	NC_021166.1	Ca_kabuli_chr07	29020197	GG	AA	1940409622
SNP_P1_145304_29020212	NC_021166.1	Ca_kabuli_chr07	29020212	CC	GG	1940409624
SNP_P1_145305_29020413	NC_021166.1	Ca_kabuli_chr07	29020413	AA	GG	1940409626
SNP_P1_145306_29020418	NC_021166.1	Ca_kabuli_chr07	29020418	CC	TT	1940409628
SNP_P1_145307_29020462	NC_021166.1	Ca_kabuli_chr07	29020462	GG	TT	1940409630
SNP_P1_145309_29020511	NC_021166.1	Ca_kabuli_chr07	29020511	CC	AA	1940409631
SNP_P1_145310_29020545	NC_021166.1	Ca_kabuli_chr07	29020545	AA	GG	1940409633
SNP_P1_145311_29020597	NC_021166.1	Ca_kabuli_chr07	29020597	CC	TT	1940409635
SNP_P1_145313_29020708	NC_021166.1	Ca_kabuli_chr07	29020708	CC	AA	1940409637
SNP_P1_145314_29020758	NC_021166.1	Ca_kabuli_chr07	29020758	TT	CC	1940409638
SNP_P1_145316_29020917	NC_021166.1	Ca_kabuli_chr07	29020917	TT	AA	1940409640
SNP_P1_145317_29020919	NC_021166.1	Ca_kabuli_chr07	29020919	GG	AA	1940409642
SNP_P1_145322_29021202	NC_021166.1	Ca_kabuli_chr07	29021202	TT	CC	1940409644
SNP_P1_145323_29021261	NC_021166.1	Ca_kabuli_chr07	29021261	TT	CC	1940409646
SNP_P1_145324_29021315	NC_021166.1	Ca_kabuli_chr07	29021315	AA	TT	1940409647
SNP_P1_145325_29021558	NC_021166.1	Ca_kabuli_chr07	29021558	CC	TT	1940409649
SNP_P1_145326_29021574	NC_021166.1	Ca_kabuli_chr07	29021574	AA	GG	1940409651
SNP_P1_145327_29022040	NC_021166.1	Ca_kabuli_chr07	29022040	TT	GG	1940409653
SNP_P1_145328_29022062	NC_021166.1	Ca_kabuli_chr07	29022062	GG	AA	1940409655
SNP_P1_145329_29022067	NC_021166.1	Ca_kabuli_chr07	29022067	CC	TT	1940409656
SNP_P1_145330_29022279	NC_021166.1	Ca_kabuli_chr07	29022279	AA	TT	1940409658
SNP_P1_145333_29022476	NC_021166.1	Ca_kabuli_chr07	29022476	AA	GG	1940409660
SNP_P1_145334_29022494	NC_021166.1	Ca_kabuli_chr07	29022494	AA	TT	1940409662
SNP_P1_145335_29022574	NC_021166.1	Ca_kabuli_chr07	29022574	TT	AA	1940409664
SNP_P1_145336_29022589	NC_021166.1	Ca_kabuli_chr07	29022589	AA	CC	1940409665
SNP_P1_145338_29022925	NC_021166.1	Ca_kabuli_chr07	29022925	CC	AA	1940409667
SNP_P1_145339_29022943	NC_021166.1	Ca_kabuli_chr07	29022943	AA	GG	1940409669
SNP_P1_145340_29022944	NC_021166.1	Ca_kabuli_chr07	29022944	CC	TT	1940409671
SNP_P1_145341_29022950	NC_021166.1	Ca_kabuli_chr07	29022950	AA	TT	1940409673
SNP_P1_145342_29022962	NC_021166.1	Ca_kabuli_chr07	29022962	TT	CC	1940409674
SNP_P1_145343_29023220	NC_021166.1	Ca_kabuli_chr07	29023220	TT	CC	1940409676
SNP_P1_145344_29023388	NC_021166.1	Ca_kabuli_chr07	29023388	AA	TT	1940409678
SNP_P1_145345_29023477	NC_021166.1	Ca_kabuli_chr07	29023477	GG	CC	1940409680
SNP_P1_145347_29023540	NC_021166.1	Ca_kabuli_chr07	29023540	CC	TT	1940409682
SNP_P1_145348_29023905	NC_021166.1	Ca_kabuli_chr07	29023905	GG	AA	1940409683
SNP_P1_145349_29024222	NC_021166.1	Ca_kabuli_chr07	29024222	AA	CC	1940409685
SNP_P1_145350_29024489	NC_021166.1	Ca_kabuli_chr07	29024489	CC	TT	1940409687

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145352_29024709	NC_021166.1	Ca_kabuli_chr07	29024709	GG	CC	1940409691
SNP_P1_145353_29025997	NC_021166.1	Ca_kabuli_chr07	29025997	CC	GG	1940409692
SNP_P1_145354_29026250	NC_021166.1	Ca_kabuli_chr07	29026250	GG	TT	1940409694
SNP_P1_145355_29026814	NC_021166.1	Ca_kabuli_chr07	29026814	GG	AA	1940409696
SNP_P1_145357_29033543	NC_021166.1	Ca_kabuli_chr07	29033543	AA	GG	1940409698
SNP_P1_145358_29033711	NC_021166.1	Ca_kabuli_chr07	29033711	AA	TT	1940409700
SNP_P1_145359_29034215	NC_021166.1	Ca_kabuli_chr07	29034215	AA	CC	1940409701
SNP_P1_145360_29034253	NC_021166.1	Ca_kabuli_chr07	29034253	AA	GG	1940409703
SNP_P1_145361_29034550	NC_021166.1	Ca_kabuli_chr07	29034550	CC	TT	1940409705
SNP_P1_145362_29034651	NC_021166.1	Ca_kabuli_chr07	29034651	GG	AA	1940409707
SNP_P1_145363_29034655	NC_021166.1	Ca_kabuli_chr07	29034655	GG	AA	1940409709
SNP_P1_145364_29034675	NC_021166.1	Ca_kabuli_chr07	29034675	TT	CC	1940409710
SNP_P1_145365_29034693	NC_021166.1	Ca_kabuli_chr07	29034693	AA	GG	1940409712
SNP_P1_145366_29034887	NC_021166.1	Ca_kabuli_chr07	29034887	GG	AA	1940409714
SNP_P1_145367_29034919	NC_021166.1	Ca_kabuli_chr07	29034919	CC	GG	1940409716
SNP_P1_145368_29035311	NC_021166.1	Ca_kabuli_chr07	29035311	AA	TT	1940409718
SNP_P1_145369_29035540	NC_021166.1	Ca_kabuli_chr07	29035540	TT	CC	1940409719
SNP_P1_145370_29035548	NC_021166.1	Ca_kabuli_chr07	29035548	AA	CC	1940409721
SNP_P1_145371_29035797	NC_021166.1	Ca_kabuli_chr07	29035797	AA	GG	1940409723
SNP_P1_145372_29035914	NC_021166.1	Ca_kabuli_chr07	29035914	GG	CC	1940409725
SNP_P1_145373_29036263	NC_021166.1	Ca_kabuli_chr07	29036263	AA	TT	1940409727
SNP_P1_145374_29036292	NC_021166.1	Ca_kabuli_chr07	29036292	AA	GG	1940409728
SNP_P1_145375_29036321	NC_021166.1	Ca_kabuli_chr07	29036321	TT	CC	1940409730
SNP_P1_145376_29036397	NC_021166.1	Ca_kabuli_chr07	29036397	CC	GG	1940409732
SNP_P1_145377_29037935	NC_021166.1	Ca_kabuli_chr07	29037935	TT	CC	1940409734
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SNP_P1_145380_29040920	NC_021166.1	Ca_kabuli_chr07	29040920	TT	GG	1940409737
SNP_P1_145381_29040934	NC_021166.1	Ca_kabuli_chr07	29040934	GG	TT	1940409739
SNP_P1_145382_29040952	NC_021166.1	Ca_kabuli_chr07	29040952	TT	AA	1940409741
SNP_P1_145383_29040993	NC_021166.1	Ca_kabuli_chr07	29040993	CC	TT	1940409743
SNP_P1_145384_29041645	NC_021166.1	Ca_kabuli_chr07	29041645	AA	GG	1940409745
SNP_P1_145385_29041656	NC_021166.1	Ca_kabuli_chr07	29041656	GG	TT	1940409746
SNP_P1_145386_29042268	NC_021166.1	Ca_kabuli_chr07	29042268	GG	TT	1940409748
SNP_P1_145387_29042269	NC_021166.1	Ca_kabuli_chr07	29042269	TT	CC	1940409750
SNP_P1_145388_29044227	NC_021166.1	Ca_kabuli_chr07	29044227	CC	TT	1940409752
SNP_P1_145390_29044669	NC_021166.1	Ca_kabuli_chr07	29044669	TT	GG	1940409754
SNP_P1_145391_29044695	NC_021166.1	Ca_kabuli_chr07	29044695	AA	TT	1940409755
SNP_P1_145392_29044776	NC_021166.1	Ca_kabuli_chr07	29044776	GG	CC	1940409757
SNP_P1_145393_29044796	NC_021166.1	Ca_kabuli_chr07	29044796	AA	GG	1940409759
SNP_P1_145394_29044833	NC_021166.1	Ca_kabuli_chr07	29044833	AA	CC	1940409761
SNP_P1_145395_29044947	NC_021166.1	Ca_kabuli_chr07	29044947	AA	GG	1940409763

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145398_29045014	NC_021166.1	Ca_kabuli_chr07	29045014	TT	CC	1940409768
SNP_P1_145399_29060936	NC_021166.1	Ca_kabuli_chr07	29060936	TT	AA	1940409770
SNP_P1_145400_29060985	NC_021166.1	Ca_kabuli_chr07	29060985	CC	TT	1940409772
SNP_P1_145401_29061235	NC_021166.1	Ca_kabuli_chr07	29061235	AA	TT	1940409773
SNP_P1_145402_29061241	NC_021166.1	Ca_kabuli_chr07	29061241	AA	CC	1940409775
SNP_P1_145404_29061825	NC_021166.1	Ca_kabuli_chr07	29061825	TT	CC	1940409777
SNP_P1_145405_29063170	NC_021166.1	Ca_kabuli_chr07	29063170	CC	TT	1940409779
SNP_P1_145406_29063222	NC_021166.1	Ca_kabuli_chr07	29063222	AA	GG	1940409781
SNP_P1_145407_29063547	NC_021166.1	Ca_kabuli_chr07	29063547	TT	CC	1940409782
SNP_P1_145408_29063615	NC_021166.1	Ca_kabuli_chr07	29063615	CC	AA	1940409784
SNP_P1_145409_29063673	NC_021166.1	Ca_kabuli_chr07	29063673	TT	GG	1940409786
SNP_P1_145410_29063769	NC_021166.1	Ca_kabuli_chr07	29063769	CC	AA	1940409788
SNP_P1_145411_29063827	NC_021166.1	Ca_kabuli_chr07	29063827	CC	TT	1940409790
SNP_P1_145412_29063828	NC_021166.1	Ca_kabuli_chr07	29063828	AA	GG	1940409791
SNP_P1_145413_29063837	NC_021166.1	Ca_kabuli_chr07	29063837	CC	TT	1940409793
SNP_P1_145414_29063838	NC_021166.1	Ca_kabuli_chr07	29063838	CC	TT	1940409795
SNP_P1_145415_29063914	NC_021166.1	Ca_kabuli_chr07	29063914	AA	GG	1940409797
SNP_P1_145416_29064041	NC_021166.1	Ca_kabuli_chr07	29064041	TT	CC	1940409799
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SNP_P1_145418_29064104	NC_021166.1	Ca_kabuli_chr07	29064104	TT	GG	1940409802
SNP_P1_145419_29064134	NC_021166.1	Ca_kabuli_chr07	29064134	TT	CC	1940409804
SNP_P1_145420_29064315	NC_021166.1	Ca_kabuli_chr07	29064315	GG	AA	1940409806
SNP_P1_145421_29064539	NC_021166.1	Ca_kabuli_chr07	29064539	CC	TT	1940409808
SNP_P1_145422_29064571	NC_021166.1	Ca_kabuli_chr07	29064571	TT	CC	1940409809
SNP_P1_145423_29064600	NC_021166.1	Ca_kabuli_chr07	29064600	AA	GG	1940409811
SNP_P1_145424_29064601	NC_021166.1	Ca_kabuli_chr07	29064601	GG	CC	1940409813
SNP_P1_145425_29064620	NC_021166.1	Ca_kabuli_chr07	29064620	TT	GG	1940409815
SNP_P1_145426_29065026	NC_021166.1	Ca_kabuli_chr07	29065026	AA	TT	1940409817
SNP_P1_145427_29065636	NC_021166.1	Ca_kabuli_chr07	29065636	CC	TT	1940409818
SNP_P1_145428_29065730	NC_021166.1	Ca_kabuli_chr07	29065730	AA	TT	1940409820
SNP_P1_145430_29065890	NC_021166.1	Ca_kabuli_chr07	29065890	CC	TT	1940409822
SNP_P1_145431_29066056	NC_021166.1	Ca_kabuli_chr07	29066056	TT	CC	1940409824
SNP_P1_145432_29066064	NC_021166.1	Ca_kabuli_chr07	29066064	GG	AA	1940409826
SNP_P1_145433_29066082	NC_021166.1	Ca_kabuli_chr07	29066082	AA	CC	1940409827
SNP_P1_145434_29066148	NC_021166.1	Ca_kabuli_chr07	29066148	TT	CC	1940409829
SNP_P1_145435_29066174	NC_021166.1	Ca_kabuli_chr07	29066174	AA	GG	1940409831
SNP_P1_145436_29066180	NC_021166.1	Ca_kabuli_chr07	29066180	GG	AA	1940409833
SNP_P1_145437_29066210	NC_021166.1	Ca_kabuli_chr07	29066210	AA	GG	1940409835
SNP_P1_145438_29066219	NC_021166.1	Ca_kabuli_chr07	29066219	TT	CC	1940409836
SNP_P1_145439_29066224	NC_021166.1	Ca_kabuli_chr07	29066224	GG	AA	1940409838

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145441_29066259	NC_021166.1	Ca_kabuli_chr07	29066259	AA	TT	1940409842
SNP_P1_145442_29066293	NC_021166.1	Ca_kabuli_chr07	29066293	CC	TT	1940409844
SNP_P1_145443_29066295	NC_021166.1	Ca_kabuli_chr07	29066295	AA	GG	1940409845
SNP_P1_145444_29066296	NC_021166.1	Ca_kabuli_chr07	29066296	GG	AA	1940409847
SNP_P1_145445_29066297	NC_021166.1	Ca_kabuli_chr07	29066297	AA	GG	1940409849
SNP_P1_145446_29067171	NC_021166.1	Ca_kabuli_chr07	29067171	TT	CC	1940409851
SNP_P1_145447_29067218	NC_021166.1	Ca_kabuli_chr07	29067218	GG	AA	1940409852
SNP_P1_145449_29067601	NC_021166.1	Ca_kabuli_chr07	29067601	CC	TT	1940409854
SNP_P1_145450_29067629	NC_021166.1	Ca_kabuli_chr07	29067629	TT	CC	1940409856
SNP_P1_145451_29067755	NC_021166.1	Ca_kabuli_chr07	29067755	AA	GG	1940409858
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SNP_P1_145453_29067813	NC_021166.1	Ca_kabuli_chr07	29067813	AA	TT	1940409862
SNP_P1_145454_29067814	NC_021166.1	Ca_kabuli_chr07	29067814	AA	TT	1940409863
SNP_P1_145455_29067820	NC_021166.1	Ca_kabuli_chr07	29067820	AA	GG	1940409865
SNP_P1_145456_29067822	NC_021166.1	Ca_kabuli_chr07	29067822	TT	CC	1940409867
SNP_P1_145457_29067847	NC_021166.1	Ca_kabuli_chr07	29067847	GG	AA	1940409869
SNP_P1_145458_29067872	NC_021166.1	Ca_kabuli_chr07	29067872	TT	CC	1940409870
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SNP_P1_145463_29068174	NC_021166.1	Ca_kabuli_chr07	29068174	AA	TT	1940409879
SNP_P1_145464_29069418	NC_021166.1	Ca_kabuli_chr07	29069418	CC	TT	1940409881
SNP_P1_145465_29069425	NC_021166.1	Ca_kabuli_chr07	29069425	TT	CC	1940409883
SNP_P1_145466_29069474	NC_021166.1	Ca_kabuli_chr07	29069474	TT	GG	1940409885
SNP_P1_145467_29069500	NC_021166.1	Ca_kabuli_chr07	29069500	CC	TT	1940409887
SNP_P1_145469_29069771	NC_021166.1	Ca_kabuli_chr07	29069771	GG	CC	1940409888
SNP_P1_145471_29069890	NC_021166.1	Ca_kabuli_chr07	29069890	CC	TT	1940409890
SNP_P1_145473_29069958	NC_021166.1	Ca_kabuli_chr07	29069958	AA	TT	1940409892
SNP_P1_145474_29070416	NC_021166.1	Ca_kabuli_chr07	29070416	CC	TT	1940409894
SNP_P1_145475_29070492	NC_021166.1	Ca_kabuli_chr07	29070492	GG	CC	1940409896
SNP_P1_145477_29070565	NC_021166.1	Ca_kabuli_chr07	29070565	GG	TT	1940409898
SNP_P1_145478_29070787	NC_021166.1	Ca_kabuli_chr07	29070787	GG	AA	1940409899
SNP_P1_145479_29070788	NC_021166.1	Ca_kabuli_chr07	29070788	AA	CC	1940409901
SNP_P1_145480_29070797	NC_021166.1	Ca_kabuli_chr07	29070797	AA	GG	1940409903
SNP_P1_145481_29070849	NC_021166.1	Ca_kabuli_chr07	29070849	TT	AA	1940409905
SNP_P1_145482_29073545	NC_021166.1	Ca_kabuli_chr07	29073545	TT	CC	1940409906
SNP_P1_145483_29073552	NC_021166.1	Ca_kabuli_chr07	29073552	AA	TT	1940409908
SNP_P1_145484_29073984	NC_021166.1	Ca_kabuli_chr07	29073984	GG	AA	1940409910
SNP_P1_145485_29074050	NC_021166.1	Ca_kabuli_chr07	29074050	AA	TT	1940409912
SNP_P1_145486_29075729	NC_021166.1	Ca_kabuli_chr07	29075729	AA	GG	1940409914

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145490_29076965	NC_021166.1	Ca_kabuli_chr07	29076965	TT	AA	1940409921
SNP_P1_145492_29077032	NC_021166.1	Ca_kabuli_chr07	29077032	CC	TT	1940409923
SNP_P1_145493_29077277	NC_021166.1	Ca_kabuli_chr07	29077277	GG	CC	1940409924
SNP_P1_145494_29077285	NC_021166.1	Ca_kabuli_chr07	29077285	AA	GG	1940409926
SNP_P1_145495_29077288	NC_021166.1	Ca_kabuli_chr07	29077288	TT	CC	1940409928
SNP_P1_145496_29077289	NC_021166.1	Ca_kabuli_chr07	29077289	AA	TT	1940409930
SNP_P1_145497_29077316	NC_021166.1	Ca_kabuli_chr07	29077316	CC	AA	1940409932
SNP_P1_145498_29077325	NC_021166.1	Ca_kabuli_chr07	29077325	AA	GG	1940409933
SNP_P1_145499_29077378	NC_021166.1	Ca_kabuli_chr07	29077378	GG	AA	1940409935
SNP_P1_145500_29077398	NC_021166.1	Ca_kabuli_chr07	29077398	CC	TT	1940409937
SNP_P1_145501_29077401	NC_021166.1	Ca_kabuli_chr07	29077401	TT	CC	1940409939
SNP_P1_145502_29078879	NC_021166.1	Ca_kabuli_chr07	29078879	TT	AA	1940409941
SNP_P1_145503_29079358	NC_021166.1	Ca_kabuli_chr07	29079358	CC	TT	1940409942
SNP_P1_145504_29079361	NC_021166.1	Ca_kabuli_chr07	29079361	CC	TT	1940409944
SNP_P1_145505_29079415	NC_021166.1	Ca_kabuli_chr07	29079415	GG	CC	1940409946
SNP_P1_145507_29080804	NC_021166.1	Ca_kabuli_chr07	29080804	TT	AA	1940409948
SNP_P1_145508_29081027	NC_021166.1	Ca_kabuli_chr07	29081027	AA	TT	1940409950
SNP_P1_145509_29082370	NC_021166.1	Ca_kabuli_chr07	29082370	CC	AA	1940409951
SNP_P1_145510_29082714	NC_021166.1	Ca_kabuli_chr07	29082714	TT	AA	1940409953
SNP_P1_145511_29082722	NC_021166.1	Ca_kabuli_chr07	29082722	TT	AA	1940409955
SNP_P1_145512_29082987	NC_021166.1	Ca_kabuli_chr07	29082987	AA	TT	1940409957
SNP_P1_145513_29083157	NC_021166.1	Ca_kabuli_chr07	29083157	TT	GG	1940409959
SNP_P1_145514_29083197	NC_021166.1	Ca_kabuli_chr07	29083197	GG	AA	1940409960
SNP_P1_145515_29083205	NC_021166.1	Ca_kabuli_chr07	29083205	CC	TT	1940409962
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SNP_P1_145517_29083214	NC_021166.1	Ca_kabuli_chr07	29083214	AA	CC	1940409966
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SNP_P1_145519_29083554	NC_021166.1	Ca_kabuli_chr07	29083554	GG	TT	1940409969
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SNP_P1_145521_29084860	NC_021166.1	Ca_kabuli_chr07	29084860	TT	AA	1940409973
SNP_P1_145522_29084864	NC_021166.1	Ca_kabuli_chr07	29084864	AA	GG	1940409975
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SNP_P1_145529_29086053	NC_021166.1	Ca_kabuli_chr07	29086053	TT	CC	1940409986
SNP_P1_145530_29086107	NC_021166.1	Ca_kabuli_chr07	29086107	AA	GG	1940409987
SNP_P1_145531_29086133	NC_021166.1	Ca_kabuli_chr07	29086133	AA	GG	1940409989

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145534_29087083	NC_021166.1	Ca_kabuli_chr07	29087083	TT	CC	1940409995
SNP_P1_145535_29087114	NC_021166.1	Ca_kabuli_chr07	29087114	AA	TT	1940409996
SNP_P1_145536_29087239	NC_021166.1	Ca_kabuli_chr07	29087239	TT	CC	1940409998
SNP_P1_145537_29087243	NC_021166.1	Ca_kabuli_chr07	29087243	CC	TT	1940410000
SNP_P1_145538_29087328	NC_021166.1	Ca_kabuli_chr07	29087328	CC	TT	1940410002
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SNP_P1_145540_29087382	NC_021166.1	Ca_kabuli_chr07	29087382	TT	CC	1940410005
SNP_P1_145541_29087421	NC_021166.1	Ca_kabuli_chr07	29087421	CC	TT	1940410007
SNP_P1_145542_29087454	NC_021166.1	Ca_kabuli_chr07	29087454	GG	AA	1940410009
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SNP_P1_145545_29087499	NC_021166.1	Ca_kabuli_chr07	29087499	GG	AA	1940410014
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SNP_P1_145570_29090821	NC_021166.1	Ca_kabuli_chr07	29090821	GG	AA	1940410056
SNP_P1_145571_29090870	NC_021166.1	Ca_kabuli_chr07	29090870	GG	AA	1940410058
SNP_P1_145572_29090895	NC_021166.1	Ca_kabuli_chr07	29090895	GG	TT	1940410059
SNP_P1_145574_29091079	NC_021166.1	Ca_kabuli_chr07	29091079	AA	TT	1940410061
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145579_29091571	NC_021166.1	Ca_kabuli_chr07	29091571	CC	TT	1940410070
SNP_P1_145580_29091574	NC_021166.1	Ca_kabuli_chr07	29091574	CC	TT	1940410072
SNP_P1_145581_29091586	NC_021166.1	Ca_kabuli_chr07	29091586	AA	TT	1940410074
SNP_P1_145582_29091642	NC_021166.1	Ca_kabuli_chr07	29091642	CC	AA	1940410076
SNP_P1_145583_29091651	NC_021166.1	Ca_kabuli_chr07	29091651	TT	CC	1940410077
SNP_P1_145585_29094129	NC_021166.1	Ca_kabuli_chr07	29094129	CC	TT	1940410079
SNP_P1_145586_29094160	NC_021166.1	Ca_kabuli_chr07	29094160	CC	TT	1940410081
SNP_P1_145587_29094168	NC_021166.1	Ca_kabuli_chr07	29094168	GG	CC	1940410083
SNP_P1_145588_29094621	NC_021166.1	Ca_kabuli_chr07	29094621	AA	TT	1940410085
SNP_P1_145589_29094975	NC_021166.1	Ca_kabuli_chr07	29094975	AA	TT	1940410086
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SNP_P1_145616_29104429	NC_021166.1	Ca_kabuli_chr07	29104429	GG	TT	1940410124
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SNP_P1_145624_29106602	NC_021166.1	Ca_kabuli_chr07	29106602	AA	TT	1940410139
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145630_29108206	NC_021166.1	Ca_kabuli_chr07	29108206	TT	CC	1940410146
SNP_P1_145631_29108252	NC_021166.1	Ca_kabuli_chr07	29108252	CC	TT	1940410148
SNP_P1_145632_29109409	NC_021166.1	Ca_kabuli_chr07	29109409	AA	CC	1940410149
SNP_P1_145633_29109628	NC_021166.1	Ca_kabuli_chr07	29109628	GG	AA	1940410151
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SNP_P1_145642_29117724	NC_021166.1	Ca_kabuli_chr07	29117724	GG	AA	1940410167
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SNP_P1_145660_29123575	NC_021166.1	Ca_kabuli_chr07	29123575	GG	AA	1940410196
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SNP_P1_145670_29126017	NC_021166.1	Ca_kabuli_chr07	29126017	GG	CC	1940410214
SNP_P1_145671_29126807	NC_021166.1	Ca_kabuli_chr07	29126807	TT	GG	1940410216

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145677_29128348	NC_021166.1	Ca_kabuli_chr07	29128348	CC	AA	1940410223
SNP_P1_145679_29129159	NC_021166.1	Ca_kabuli_chr07	29129159	GG	CC	1940410225
SNP_P1_145680_29129171	NC_021166.1	Ca_kabuli_chr07	29129171	TT	CC	1940410227
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SNP_P1_145684_29131225	NC_021166.1	Ca_kabuli_chr07	29131225	GG	AA	1940410232
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SNP_P1_145690_29133106	NC_021166.1	Ca_kabuli_chr07	29133106	GG	CC	1940410241
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SNP_P1_145708_29134314	NC_021166.1	Ca_kabuli_chr07	29134314	AA	GG	1940410272
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SNP_P1_145710_29134331	NC_021166.1	Ca_kabuli_chr07	29134331	TT	CC	1940410275
SNP_P1_145711_29134341	NC_021166.1	Ca_kabuli_chr07	29134341	GG	AA	1940410277
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SNP_P1_145713_29134364	NC_021166.1	Ca_kabuli_chr07	29134364	TT	CC	1940410281
SNP_P1_145714_29134376	NC_021166.1	Ca_kabuli_chr07	29134376	TT	CC	1940410283
SNP_P1_145715_29134385	NC_021166.1	Ca_kabuli_chr07	29134385	TT	AA	1940410284
SNP_P1_145716_29134429	NC_021166.1	Ca_kabuli_chr07	29134429	GG	TT	1940410286
SNP_P1_145717_29134481	NC_021166.1	Ca_kabuli_chr07	29134481	GG	AA	1940410288
SNP_P1_145718_29134577	NC_021166.1	Ca_kabuli_chr07	29134577	TT	CC	1940410290
SNP_P1_145719_29134625	NC_021166.1	Ca_kabuli_chr07	29134625	TT	GG	1940410292

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145723_29136774	NC_021166.1	Ca_kabuli_chr07	29136774	GG	CC	1940410295
SNP_P1_145724_29136902	NC_021166.1	Ca_kabuli_chr07	29136902	TT	GG	1940410297
SNP_P1_145725_29137155	NC_021166.1	Ca_kabuli_chr07	29137155	GG	TT	1940410299
SNP_P1_145726_29137429	NC_021166.1	Ca_kabuli_chr07	29137429	CC	TT	1940410301
SNP_P1_145727_29137463	NC_021166.1	Ca_kabuli_chr07	29137463	GG	TT	1940410302
SNP_P1_145728_29137809	NC_021166.1	Ca_kabuli_chr07	29137809	GG	AA	1940410304
SNP_P1_145729_29138450	NC_021166.1	Ca_kabuli_chr07	29138450	CC	TT	1940410306
SNP_P1_145730_29138464	NC_021166.1	Ca_kabuli_chr07	29138464	TT	CC	1940410308
SNP_P1_145731_29140270	NC_021166.1	Ca_kabuli_chr07	29140270	AA	TT	1940410310
SNP_P1_145732_29140287	NC_021166.1	Ca_kabuli_chr07	29140287	CC	TT	1940410311
SNP_P1_145733_29142943	NC_021166.1	Ca_kabuli_chr07	29142943	TT	AA	1940410313
SNP_P1_145734_29142947	NC_021166.1	Ca_kabuli_chr07	29142947	TT	AA	1940410315
SNP_P1_145735_29143751	NC_021166.1	Ca_kabuli_chr07	29143751	AA	GG	1940410317
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SNP_P1_145737_29144349	NC_021166.1	Ca_kabuli_chr07	29144349	GG	CC	1940410320
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SNP_P1_145746_29153091	NC_021166.1	Ca_kabuli_chr07	29153091	AA	GG	1940410337
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SNP_P1_145760_29164623	NC_021166.1	Ca_kabuli_chr07	29164623	AA	TT	1940410358
SNP_P1_145761_29164693	NC_021166.1	Ca_kabuli_chr07	29164693	CC	AA	1940410360
SNP_P1_145762_29164723	NC_021166.1	Ca_kabuli_chr07	29164723	TT	AA	1940410362
SNP_P1_145764_29164857	NC_021166.1	Ca_kabuli_chr07	29164857	AA	GG	1940410364
SNP_P1_145765_29164902	NC_021166.1	Ca_kabuli_chr07	29164902	TT	GG	1940410365
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145768_29164989	NC_021166.1	Ca_kabuli_chr07	29164989	CC	TT	1940410371
SNP_P1_145769_29165688	NC_021166.1	Ca_kabuli_chr07	29165688	GG	AA	1940410373
SNP_P1_145770_29165725	NC_021166.1	Ca_kabuli_chr07	29165725	AA	GG	1940410374
SNP_P1_145771_29165743	NC_021166.1	Ca_kabuli_chr07	29165743	CC	TT	1940410376
SNP_P1_145772_29165905	NC_021166.1	Ca_kabuli_chr07	29165905	CC	TT	1940410378
SNP_P1_145773_29165917	NC_021166.1	Ca_kabuli_chr07	29165917	GG	AA	1940410380
SNP_P1_145774_29165981	NC_021166.1	Ca_kabuli_chr07	29165981	GG	CC	1940410382
SNP_P1_145775_29167127	NC_021166.1	Ca_kabuli_chr07	29167127	GG	AA	1940410383
SNP_P1_145776_29167185	NC_021166.1	Ca_kabuli_chr07	29167185	AA	GG	1940410385
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SNP_P1_145778_29171510	NC_021166.1	Ca_kabuli_chr07	29171510	GG	CC	1940410389
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SNP_P1_145783_29172716	NC_021166.1	Ca_kabuli_chr07	29172716	TT	CC	1940410396
SNP_P1_145784_29172724	NC_021166.1	Ca_kabuli_chr07	29172724	GG	CC	1940410398
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SNP_P1_145788_29175418	NC_021166.1	Ca_kabuli_chr07	29175418	CC	TT	1940410405
SNP_P1_145789_29175449	NC_021166.1	Ca_kabuli_chr07	29175449	GG	CC	1940410407
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SNP_P1_145810_29186767	NC_021166.1	Ca_kabuli_chr07	29186767	TT	AA	1940410437
SNP_P1_145811_29188050	NC_021166.1	Ca_kabuli_chr07	29188050	TT	CC	1940410439
SNP_P1_145812_29188098	NC_021166.1	Ca_kabuli_chr07	29188098	GG	AA	1940410441
SNP_P1_145813_29188107	NC_021166.1	Ca_kabuli_chr07	29188107	GG	AA	1940410443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145817_29196598	NC_021166.1	Ca_kabuli_chr07	29196598	GG	AA	1940410446
SNP_P1_145818_29196641	NC_021166.1	Ca_kabuli_chr07	29196641	AA	GG	1940410448
SNP_P1_145820_29198417	NC_021166.1	Ca_kabuli_chr07	29198417	GG	AA	1940410450
SNP_P1_145821_29198453	NC_021166.1	Ca_kabuli_chr07	29198453	CC	TT	1940410452
SNP_P1_145822_29198606	NC_021166.1	Ca_kabuli_chr07	29198606	GG	AA	1940410454
SNP_P1_145823_29198689	NC_021166.1	Ca_kabuli_chr07	29198689	GG	AA	1940410455
SNP_P1_145824_29198695	NC_021166.1	Ca_kabuli_chr07	29198695	CC	TT	1940410457
SNP_P1_145825_29198784	NC_021166.1	Ca_kabuli_chr07	29198784	CC	TT	1940410459
SNP_P1_145826_29199057	NC_021166.1	Ca_kabuli_chr07	29199057	TT	CC	1940410461
SNP_P1_145828_29199582	NC_021166.1	Ca_kabuli_chr07	29199582	AA	GG	1940410462
SNP_P1_145829_29200498	NC_021166.1	Ca_kabuli_chr07	29200498	AA	GG	1940410464
SNP_P1_145830_29200929	NC_021166.1	Ca_kabuli_chr07	29200929	CC	AA	1940410466
SNP_P1_145831_29208050	NC_021166.1	Ca_kabuli_chr07	29208050	AA	GG	1940410468
SNP_P1_145832_29208166	NC_021166.1	Ca_kabuli_chr07	29208166	AA	GG	1940410470
SNP_P1_145834_29208235	NC_021166.1	Ca_kabuli_chr07	29208235	CC	AA	1940410471
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SNP_P1_145850_29220926	NC_021166.1	Ca_kabuli_chr07	29220926	CC	TT	1940410495
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SNP_P1_145855_29221730	NC_021166.1	Ca_kabuli_chr07	29221730	AA	GG	1940410500
SNP_P1_145858_29222144	NC_021166.1	Ca_kabuli_chr07	29222144	GG	AA	1940410502
SNP_P1_145860_29223074	NC_021166.1	Ca_kabuli_chr07	29223074	TT	AA	1940410504
SNP_P1_145861_29223079	NC_021166.1	Ca_kabuli_chr07	29223079	GG	AA	1940410506
SNP_P1_145862_29223102	NC_021166.1	Ca_kabuli_chr07	29223102	GG	AA	1940410507
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SNP_P1_145869_29224457	NC_021166.1	Ca_kabuli_chr07	29224457	CC	AA	1940410518

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145872_29225952	NC_021166.1	Ca_kabuli_chr07	29225952	CC	TT	1940410524
SNP_P1_145873_29226618	NC_021166.1	Ca_kabuli_chr07	29226618	AA	TT	1940410525
SNP_P1_145875_29226880	NC_021166.1	Ca_kabuli_chr07	29226880	AA	TT	1940410527
SNP_P1_145877_29227172	NC_021166.1	Ca_kabuli_chr07	29227172	CC	GG	1940410529
SNP_P1_145878_29227238	NC_021166.1	Ca_kabuli_chr07	29227238	TT	GG	1940410531
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SNP_P1_145892_29232146	NC_021166.1	Ca_kabuli_chr07	29232146	AA	GG	1940410554
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SNP_P1_145894_29232347	NC_021166.1	Ca_kabuli_chr07	29232347	TT	AA	1940410558
SNP_P1_145895_29232376	NC_021166.1	Ca_kabuli_chr07	29232376	TT	CC	1940410560
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SNP_P1_145901_29233310	NC_021166.1	Ca_kabuli_chr07	29233310	CC	GG	1940410570
SNP_P1_145902_29233471	NC_021166.1	Ca_kabuli_chr07	29233471	TT	AA	1940410572
SNP_P1_145903_29233488	NC_021166.1	Ca_kabuli_chr07	29233488	AA	CC	1940410574
SNP_P1_145904_29233491	NC_021166.1	Ca_kabuli_chr07	29233491	GG	AA	1940410576
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SNP_P1_145910_29235156	NC_021166.1	Ca_kabuli_chr07	29235156	AA	TT	1940410587
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SNP_P1_145915_29239189	NC_021166.1	Ca_kabuli_chr07	29239189	TT	CC	1940410594

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145918_29240433	NC_021166.1	Ca_kabuli_chr07	29240433	GG	AA	1940410597
SNP_P1_145919_29240517	NC_021166.1	Ca_kabuli_chr07	29240517	GG	AA	1940410599
SNP_P1_145920_29240521	NC_021166.1	Ca_kabuli_chr07	29240521	AA	CC	1940410601
SNP_P1_145921_29240639	NC_021166.1	Ca_kabuli_chr07	29240639	GG	AA	1940410603
SNP_P1_145922_29241018	NC_021166.1	Ca_kabuli_chr07	29241018	AA	GG	1940410605
SNP_P1_145923_29242730	NC_021166.1	Ca_kabuli_chr07	29242730	GG	AA	1940410606
SNP_P1_145924_29243720	NC_021166.1	Ca_kabuli_chr07	29243720	TT	GG	1940410608
SNP_P1_145927_29244583	NC_021166.1	Ca_kabuli_chr07	29244583	AA	GG	1940410610
SNP_P1_145928_29244713	NC_021166.1	Ca_kabuli_chr07	29244713	GG	AA	1940410612
SNP_P1_145929_29244837	NC_021166.1	Ca_kabuli_chr07	29244837	AA	GG	1940410614
SNP_P1_145930_29244962	NC_021166.1	Ca_kabuli_chr07	29244962	GG	AA	1940410615
SNP_P1_145931_29245035	NC_021166.1	Ca_kabuli_chr07	29245035	GG	TT	1940410617
SNP_P1_145933_29245245	NC_021166.1	Ca_kabuli_chr07	29245245	CC	TT	1940410619
SNP_P1_145934_29246482	NC_021166.1	Ca_kabuli_chr07	29246482	TT	CC	1940410621
SNP_P1_145935_29246531	NC_021166.1	Ca_kabuli_chr07	29246531	TT	CC	1940410623
SNP_P1_145936_29246595	NC_021166.1	Ca_kabuli_chr07	29246595	CC	AA	1940410625
SNP_P1_145937_29246858	NC_021166.1	Ca_kabuli_chr07	29246858	CC	TT	1940410626
SNP_P1_145938_29247045	NC_021166.1	Ca_kabuli_chr07	29247045	CC	AA	1940410628
SNP_P1_145940_29250345	NC_021166.1	Ca_kabuli_chr07	29250345	TT	CC	1940410630
SNP_P1_145941_29250471	NC_021166.1	Ca_kabuli_chr07	29250471	AA	GG	1940410632
SNP_P1_145942_29250899	NC_021166.1	Ca_kabuli_chr07	29250899	AA	CC	1940410634
SNP_P1_145943_29251216	NC_021166.1	Ca_kabuli_chr07	29251216	AA	GG	1940410635
SNP_P1_145944_29251679	NC_021166.1	Ca_kabuli_chr07	29251679	GG	TT	1940410637
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SNP_P1_145948_29252698	NC_021166.1	Ca_kabuli_chr07	29252698	AA	GG	1940410644
SNP_P1_145949_29253603	NC_021166.1	Ca_kabuli_chr07	29253603	GG	AA	1940410646
SNP_P1_145951_29254022	NC_021166.1	Ca_kabuli_chr07	29254022	TT	AA	1940410648
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SNP_P1_145957_29257989	NC_021166.1	Ca_kabuli_chr07	29257989	TT	AA	1940410655
SNP_P1_145958_29257994	NC_021166.1	Ca_kabuli_chr07	29257994	GG	AA	1940410657
SNP_P1_145959_29257995	NC_021166.1	Ca_kabuli_chr07	29257995	GG	TT	1940410659
SNP_P1_145960_29257997	NC_021166.1	Ca_kabuli_chr07	29257997	CC	TT	1940410661
SNP_P1_145961_29258021	NC_021166.1	Ca_kabuli_chr07	29258021	TT	CC	1940410662
SNP_P1_145963_29258380	NC_021166.1	Ca_kabuli_chr07	29258380	GG	AA	1940410664
SNP_P1_145964_29259387	NC_021166.1	Ca_kabuli_chr07	29259387	AA	GG	1940410666
SNP_P1_145965_29259410	NC_021166.1	Ca_kabuli_chr07	29259410	CC	TT	1940410668
SNP_P1_145966_29259417	NC_021166.1	Ca_kabuli_chr07	29259417	GG	TT	1940410670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_145968_29259664	NC_021166.1	Ca_kabuli_chr07	29259664	AA	CC	1940410673
SNP_P1_145969_29259731	NC_021166.1	Ca_kabuli_chr07	29259731	CC	TT	1940410675
SNP_P1_145970_29259774	NC_021166.1	Ca_kabuli_chr07	29259774	AA	TT	1940410677
SNP_P1_145971_29259798	NC_021166.1	Ca_kabuli_chr07	29259798	TT	AA	1940410678
SNP_P1_145972_29259839	NC_021166.1	Ca_kabuli_chr07	29259839	AA	GG	1940410680
SNP_P1_145974_29259943	NC_021166.1	Ca_kabuli_chr07	29259943	CC	GG	1940410682
SNP_P1_145975_29259957	NC_021166.1	Ca_kabuli_chr07	29259957	TT	GG	1940410684
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SNP_P1_145977_29260067	NC_021166.1	Ca_kabuli_chr07	29260067	GG	CC	1940410688
SNP_P1_145978_29260175	NC_021166.1	Ca_kabuli_chr07	29260175	TT	GG	1940410689
SNP_P1_145981_29261073	NC_021166.1	Ca_kabuli_chr07	29261073	GG	AA	1940410691
SNP_P1_145982_29261081	NC_021166.1	Ca_kabuli_chr07	29261081	GG	AA	1940410693
SNP_P1_145983_29261084	NC_021166.1	Ca_kabuli_chr07	29261084	AA	CC	1940410695
SNP_P1_145984_29261102	NC_021166.1	Ca_kabuli_chr07	29261102	AA	GG	1940410696
SNP_P1_145985_29261647	NC_021166.1	Ca_kabuli_chr07	29261647	AA	TT	1940410698
SNP_P1_145986_29262157	NC_021166.1	Ca_kabuli_chr07	29262157	AA	GG	1940410700
SNP_P1_145987_29262185	NC_021166.1	Ca_kabuli_chr07	29262185	CC	TT	1940410702
SNP_P1_145988_29264084	NC_021166.1	Ca_kabuli_chr07	29264084	CC	TT	1940410704
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SNP_P1_145990_29264107	NC_021166.1	Ca_kabuli_chr07	29264107	AA	TT	1940410707
SNP_P1_145991_29264112	NC_021166.1	Ca_kabuli_chr07	29264112	TT	AA	1940410709
SNP_P1_145993_29264140	NC_021166.1	Ca_kabuli_chr07	29264140	AA	TT	1940410711
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SNP_P1_145996_29266684	NC_021166.1	Ca_kabuli_chr07	29266684	CC	TT	1940410714
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SNP_P1_146001_29270449	NC_021166.1	Ca_kabuli_chr07	29270449	AA	TT	1940410722
SNP_P1_146002_29270491	NC_021166.1	Ca_kabuli_chr07	29270491	AA	GG	1940410723
SNP_P1_146003_29270595	NC_021166.1	Ca_kabuli_chr07	29270595	GG	TT	1940410725
SNP_P1_146004_29275502	NC_021166.1	Ca_kabuli_chr07	29275502	CC	TT	1940410727
SNP_P1_146006_29289674	NC_021166.1	Ca_kabuli_chr07	29289674	GG	AA	1940410729
SNP_P1_146007_29289684	NC_021166.1	Ca_kabuli_chr07	29289684	AA	CC	1940410731
SNP_P1_146008_29289979	NC_021166.1	Ca_kabuli_chr07	29289979	CC	TT	1940410732
SNP_P1_146009_29290045	NC_021166.1	Ca_kabuli_chr07	29290045	TT	AA	1940410734
SNP_P1_146010_29290073	NC_021166.1	Ca_kabuli_chr07	29290073	AA	TT	1940410736
SNP_P1_146011_29291022	NC_021166.1	Ca_kabuli_chr07	29291022	GG	AA	1940410738
SNP_P1_146012_29291106	NC_021166.1	Ca_kabuli_chr07	29291106	AA	GG	1940410740
SNP_P1_146013_29291419	NC_021166.1	Ca_kabuli_chr07	29291419	TT	CC	1940410741
SNP_P1_146014_29291962	NC_021166.1	Ca_kabuli_chr07	29291962	AA	GG	1940410743
SNP_P1_146015_29291972	NC_021166.1	Ca_kabuli_chr07	29291972	CC	AA	1940410745

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146017_29292489	NC_021166.1	Ca_kabuli_chr07	29292489	AA	TT	1940410749
SNP_P1_146018_29292490	NC_021166.1	Ca_kabuli_chr07	29292490	TT	AA	1940410750
SNP_P1_146019_29292501	NC_021166.1	Ca_kabuli_chr07	29292501	GG	CC	1940410752
SNP_P1_146020_29292523	NC_021166.1	Ca_kabuli_chr07	29292523	CC	TT	1940410754
SNP_P1_146021_29292527	NC_021166.1	Ca_kabuli_chr07	29292527	CC	TT	1940410756
SNP_P1_146024_29292961	NC_021166.1	Ca_kabuli_chr07	29292961	CC	TT	1940410758
SNP_P1_146025_29293043	NC_021166.1	Ca_kabuli_chr07	29293043	CC	TT	1940410759
SNP_P1_146026_29293114	NC_021166.1	Ca_kabuli_chr07	29293114	CC	TT	1940410761
SNP_P1_146027_29293485	NC_021166.1	Ca_kabuli_chr07	29293485	CC	TT	1940410763
SNP_P1_146028_29293992	NC_021166.1	Ca_kabuli_chr07	29293992	TT	CC	1940410765
SNP_P1_146029_29294021	NC_021166.1	Ca_kabuli_chr07	29294021	TT	AA	1940410767
SNP_P1_146030_29294032	NC_021166.1	Ca_kabuli_chr07	29294032	TT	CC	1940410768
SNP_P1_146031_29294187	NC_021166.1	Ca_kabuli_chr07	29294187	TT	GG	1940410770
SNP_P1_146032_29294193	NC_021166.1	Ca_kabuli_chr07	29294193	TT	CC	1940410772
SNP_P1_146033_29294992	NC_021166.1	Ca_kabuli_chr07	29294992	AA	TT	1940410774
SNP_P1_146034_29295247	NC_021166.1	Ca_kabuli_chr07	29295247	TT	CC	1940410776
SNP_P1_146035_29295304	NC_021166.1	Ca_kabuli_chr07	29295304	AA	TT	1940410777
SNP_P1_146036_29295342	NC_021166.1	Ca_kabuli_chr07	29295342	GG	TT	1940410779
SNP_P1_146037_29295375	NC_021166.1	Ca_kabuli_chr07	29295375	GG	AA	1940410781
SNP_P1_146038_29295398	NC_021166.1	Ca_kabuli_chr07	29295398	TT	CC	1940410783
SNP_P1_146039_29295415	NC_021166.1	Ca_kabuli_chr07	29295415	CC	TT	1940410785
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SNP_P1_146045_29298837	NC_021166.1	Ca_kabuli_chr07	29298837	AA	GG	1940410792
SNP_P1_146047_29300894	NC_021166.1	Ca_kabuli_chr07	29300894	CC	TT	1940410794
SNP_P1_146048_29300932	NC_021166.1	Ca_kabuli_chr07	29300932	AA	GG	1940410795
SNP_P1_146049_29300964	NC_021166.1	Ca_kabuli_chr07	29300964	AA	GG	1940410797
SNP_P1_146050_29301213	NC_021166.1	Ca_kabuli_chr07	29301213	TT	CC	1940410799
SNP_P1_146051_29301214	NC_021166.1	Ca_kabuli_chr07	29301214	GG	AA	1940410801
SNP_P1_146052_29301221	NC_021166.1	Ca_kabuli_chr07	29301221	CC	TT	1940410803
SNP_P1_146053_29301226	NC_021166.1	Ca_kabuli_chr07	29301226	TT	CC	1940410804
SNP_P1_146054_29304060	NC_021166.1	Ca_kabuli_chr07	29304060	TT	CC	1940410806
SNP_P1_146055_29304070	NC_021166.1	Ca_kabuli_chr07	29304070	CC	TT	1940410808
SNP_P1_146056_29304127	NC_021166.1	Ca_kabuli_chr07	29304127	TT	AA	1940410810
SNP_P1_146057_29304168	NC_021166.1	Ca_kabuli_chr07	29304168	CC	TT	1940410812
SNP_P1_146058_29306553	NC_021166.1	Ca_kabuli_chr07	29306553	TT	GG	1940410813
SNP_P1_146059_29306670	NC_021166.1	Ca_kabuli_chr07	29306670	GG	TT	1940410815
SNP_P1_146060_29306681	NC_021166.1	Ca_kabuli_chr07	29306681	CC	TT	1940410817
SNP_P1_146061_29306694	NC_021166.1	Ca_kabuli_chr07	29306694	AA	GG	1940410819
SNP_P1_146062_29306784	NC_021166.1	Ca_kabuli_chr07	29306784	CC	TT	1940410821

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146064_29306836	NC_021166.1	Ca_kabuli_chr07	29306836	CC	TT	1940410824
SNP_P1_146065_29306838	NC_021166.1	Ca_kabuli_chr07	29306838	AA	GG	1940410826
SNP_P1_146066_29306917	NC_021166.1	Ca_kabuli_chr07	29306917	TT	CC	1940410828
SNP_P1_146067_29307050	NC_021166.1	Ca_kabuli_chr07	29307050	GG	TT	1940410830
SNP_P1_146068_29307089	NC_021166.1	Ca_kabuli_chr07	29307089	TT	AA	1940410831
SNP_P1_146069_29307156	NC_021166.1	Ca_kabuli_chr07	29307156	CC	TT	1940410833
SNP_P1_146070_29307161	NC_021166.1	Ca_kabuli_chr07	29307161	CC	AA	1940410835
SNP_P1_146071_29307169	NC_021166.1	Ca_kabuli_chr07	29307169	TT	CC	1940410837
SNP_P1_146072_29307387	NC_021166.1	Ca_kabuli_chr07	29307387	GG	CC	1940410839
SNP_P1_146073_29307845	NC_021166.1	Ca_kabuli_chr07	29307845	GG	AA	1940410840
SNP_P1_146074_29307858	NC_021166.1	Ca_kabuli_chr07	29307858	GG	AA	1940410842
SNP_P1_146075_29307881	NC_021166.1	Ca_kabuli_chr07	29307881	CC	TT	1940410844
SNP_P1_146076_29308099	NC_021166.1	Ca_kabuli_chr07	29308099	GG	AA	1940410846
SNP_P1_146077_29308104	NC_021166.1	Ca_kabuli_chr07	29308104	AA	TT	1940410848
SNP_P1_146078_29308128	NC_021166.1	Ca_kabuli_chr07	29308128	CC	TT	1940410849
SNP_P1_146079_29308129	NC_021166.1	Ca_kabuli_chr07	29308129	GG	AA	1940410851
SNP_P1_146081_29310912	NC_021166.1	Ca_kabuli_chr07	29310912	AA	GG	1940410853
SNP_P1_146082_29310926	NC_021166.1	Ca_kabuli_chr07	29310926	CC	GG	1940410855
SNP_P1_146083_29310933	NC_021166.1	Ca_kabuli_chr07	29310933	TT	CC	1940410857
SNP_P1_146084_29310946	NC_021166.1	Ca_kabuli_chr07	29310946	TT	CC	1940410858
SNP_P1_146085_29310960	NC_021166.1	Ca_kabuli_chr07	29310960	AA	GG	1940410860
SNP_P1_146086_29310990	NC_021166.1	Ca_kabuli_chr07	29310990	TT	GG	1940410862
SNP_P1_146087_29310991	NC_021166.1	Ca_kabuli_chr07	29310991	CC	TT	1940410864
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SNP_P1_146089_29311415	NC_021166.1	Ca_kabuli_chr07	29311415	GG	AA	1940410867
SNP_P1_146090_29311446	NC_021166.1	Ca_kabuli_chr07	29311446	AA	GG	1940410869
SNP_P1_146091_29311739	NC_021166.1	Ca_kabuli_chr07	29311739	GG	TT	1940410871
SNP_P1_146093_29314527	NC_021166.1	Ca_kabuli_chr07	29314527	CC	TT	1940410873
SNP_P1_146094_29314549	NC_021166.1	Ca_kabuli_chr07	29314549	TT	CC	1940410875
SNP_P1_146095_29314950	NC_021166.1	Ca_kabuli_chr07	29314950	GG	AA	1940410876
SNP_P1_146096_29314953	NC_021166.1	Ca_kabuli_chr07	29314953	GG	AA	1940410878
SNP_P1_146097_29314962	NC_021166.1	Ca_kabuli_chr07	29314962	CC	TT	1940410880
SNP_P1_146098_29314973	NC_021166.1	Ca_kabuli_chr07	29314973	AA	CC	1940410882
SNP_P1_146099_29314992	NC_021166.1	Ca_kabuli_chr07	29314992	CC	AA	1940410884
SNP_P1_146100_29315122	NC_021166.1	Ca_kabuli_chr07	29315122	TT	CC	1940410885
SNP_P1_146101_29315126	NC_021166.1	Ca_kabuli_chr07	29315126	AA	GG	1940410887
SNP_P1_146102_29315133	NC_021166.1	Ca_kabuli_chr07	29315133	AA	GG	1940410889
SNP_P1_146103_29315134	NC_021166.1	Ca_kabuli_chr07	29315134	GG	AA	1940410891
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SNP_P1_146105_29315320	NC_021166.1	Ca_kabuli_chr07	29315320	AA	GG	1940410894
SNP_P1_146106_29315347	NC_021166.1	Ca_kabuli_chr07	29315347	CC	AA	1940410896

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146109_29317402	NC_021166.1	Ca_kabuli_chr07	29317402	CC	TT	1940410902
SNP_P1_146110_29317406	NC_021166.1	Ca_kabuli_chr07	29317406	AA	GG	1940410903
SNP_P1_146111_29317785	NC_021166.1	Ca_kabuli_chr07	29317785	CC	TT	1940410905
SNP_P1_146113_29318776	NC_021166.1	Ca_kabuli_chr07	29318776	TT	CC	1940410907
SNP_P1_146114_29318809	NC_021166.1	Ca_kabuli_chr07	29318809	TT	CC	1940410909
SNP_P1_146115_29319568	NC_021166.1	Ca_kabuli_chr07	29319568	GG	TT	1940410911
SNP_P1_146116_29319569	NC_021166.1	Ca_kabuli_chr07	29319569	AA	GG	1940410912
SNP_P1_146117_29319896	NC_021166.1	Ca_kabuli_chr07	29319896	AA	GG	1940410914
SNP_P1_146118_29319901	NC_021166.1	Ca_kabuli_chr07	29319901	GG	AA	1940410916
SNP_P1_146119_29319963	NC_021166.1	Ca_kabuli_chr07	29319963	GG	AA	1940410918
SNP_P1_146120_29320319	NC_021166.1	Ca_kabuli_chr07	29320319	AA	GG	1940410920
SNP_P1_146121_29320612	NC_021166.1	Ca_kabuli_chr07	29320612	AA	GG	1940410921
SNP_P1_146122_29321188	NC_021166.1	Ca_kabuli_chr07	29321188	TT	CC	1940410923
SNP_P1_146123_29321190	NC_021166.1	Ca_kabuli_chr07	29321190	CC	TT	1940410925
SNP_P1_146124_29321376	NC_021166.1	Ca_kabuli_chr07	29321376	AA	CC	1940410927
SNP_P1_146125_29321401	NC_021166.1	Ca_kabuli_chr07	29321401	TT	GG	1940410929
SNP_P1_146126_29321500	NC_021166.1	Ca_kabuli_chr07	29321500	TT	CC	1940410930
SNP_P1_146127_29321631	NC_021166.1	Ca_kabuli_chr07	29321631	GG	TT	1940410932
SNP_P1_146128_29321660	NC_021166.1	Ca_kabuli_chr07	29321660	TT	GG	1940410934
SNP_P1_146129_29321685	NC_021166.1	Ca_kabuli_chr07	29321685	CC	AA	1940410936
SNP_P1_146130_29321746	NC_021166.1	Ca_kabuli_chr07	29321746	TT	GG	1940410938
SNP_P1_146131_29321799	NC_021166.1	Ca_kabuli_chr07	29321799	CC	TT	1940410939
SNP_P1_146132_29321801	NC_021166.1	Ca_kabuli_chr07	29321801	TT	GG	1940410941
SNP_P1_146134_29322570	NC_021166.1	Ca_kabuli_chr07	29322570	AA	GG	1940410943
SNP_P1_146135_29322609	NC_021166.1	Ca_kabuli_chr07	29322609	GG	TT	1940410945
SNP_P1_146136_29322657	NC_021166.1	Ca_kabuli_chr07	29322657	GG	AA	1940410947
SNP_P1_146137_29322659	NC_021166.1	Ca_kabuli_chr07	29322659	TT	CC	1940410948
SNP_P1_146138_29322873	NC_021166.1	Ca_kabuli_chr07	29322873	CC	TT	1940410950
SNP_P1_146139_29322906	NC_021166.1	Ca_kabuli_chr07	29322906	CC	TT	1940410952
SNP_P1_146140_29323324	NC_021166.1	Ca_kabuli_chr07	29323324	TT	GG	1940410954
SNP_P1_146141_29323328	NC_021166.1	Ca_kabuli_chr07	29323328	AA	TT	1940410956
SNP_P1_146142_29323360	NC_021166.1	Ca_kabuli_chr07	29323360	CC	TT	1940410957
SNP_P1_146143_29324123	NC_021166.1	Ca_kabuli_chr07	29324123	AA	GG	1940410959
SNP_P1_146144_29324162	NC_021166.1	Ca_kabuli_chr07	29324162	TT	GG	1940410961
SNP_P1_146145_29324189	NC_021166.1	Ca_kabuli_chr07	29324189	TT	AA	1940410963
SNP_P1_146146_29324216	NC_021166.1	Ca_kabuli_chr07	29324216	GG	AA	1940410965
SNP_P1_146147_29324266	NC_021166.1	Ca_kabuli_chr07	29324266	TT	GG	1940410966
SNP_P1_146148_29324283	NC_021166.1	Ca_kabuli_chr07	29324283	AA	CC	1940410968
SNP_P1_146150_29324330	NC_021166.1	Ca_kabuli_chr07	29324330	AA	GG	1940410970
SNP_P1_146151_29324369	NC_021166.1	Ca_kabuli_chr07	29324369	CC	GG	1940410972

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146153_29324628	NC_021166.1	Ca_kabuli_chr07	29324628	TT	CC	1940410975
SNP_P1_146155_29324669	NC_021166.1	Ca_kabuli_chr07	29324669	AA	GG	1940410977
SNP_P1_146156_29324712	NC_021166.1	Ca_kabuli_chr07	29324712	TT	CC	1940410979
SNP_P1_146157_29324970	NC_021166.1	Ca_kabuli_chr07	29324970	AA	TT	1940410981
SNP_P1_146158_29324973	NC_021166.1	Ca_kabuli_chr07	29324973	CC	TT	1940410983
SNP_P1_146159_29324984	NC_021166.1	Ca_kabuli_chr07	29324984	AA	TT	1940410984
SNP_P1_146160_29324995	NC_021166.1	Ca_kabuli_chr07	29324995	TT	CC	1940410986
SNP_P1_146161_29325052	NC_021166.1	Ca_kabuli_chr07	29325052	GG	TT	1940410988
SNP_P1_146162_29325154	NC_021166.1	Ca_kabuli_chr07	29325154	TT	CC	1940410990
SNP_P1_146163_29325159	NC_021166.1	Ca_kabuli_chr07	29325159	AA	GG	1940410992
SNP_P1_146164_29325342	NC_021166.1	Ca_kabuli_chr07	29325342	AA	GG	1940410993
SNP_P1_146165_29325349	NC_021166.1	Ca_kabuli_chr07	29325349	AA	GG	1940410995
SNP_P1_146166_29325358	NC_021166.1	Ca_kabuli_chr07	29325358	TT	CC	1940410997
SNP_P1_146167_29325368	NC_021166.1	Ca_kabuli_chr07	29325368	CC	TT	1940410999
SNP_P1_146168_29325501	NC_021166.1	Ca_kabuli_chr07	29325501	TT	AA	1940411001
SNP_P1_146169_29325547	NC_021166.1	Ca_kabuli_chr07	29325547	GG	AA	1940411002
SNP_P1_146170_29325549	NC_021166.1	Ca_kabuli_chr07	29325549	TT	GG	1940411004
SNP_P1_146171_29325567	NC_021166.1	Ca_kabuli_chr07	29325567	AA	TT	1940411006
SNP_P1_146172_29326040	NC_021166.1	Ca_kabuli_chr07	29326040	GG	TT	1940411008
SNP_P1_146173_29326084	NC_021166.1	Ca_kabuli_chr07	29326084	AA	GG	1940411010
SNP_P1_146174_29326086	NC_021166.1	Ca_kabuli_chr07	29326086	GG	AA	1940411011
SNP_P1_146175_29326089	NC_021166.1	Ca_kabuli_chr07	29326089	AA	GG	1940411013
SNP_P1_146176_29326092	NC_021166.1	Ca_kabuli_chr07	29326092	CC	GG	1940411015
SNP_P1_146177_29326105	NC_021166.1	Ca_kabuli_chr07	29326105	GG	TT	1940411017
SNP_P1_146178_29326429	NC_021166.1	Ca_kabuli_chr07	29326429	AA	CC	1940411019
SNP_P1_146179_29326450	NC_021166.1	Ca_kabuli_chr07	29326450	CC	TT	1940411020
SNP_P1_146181_29327056	NC_021166.1	Ca_kabuli_chr07	29327056	CC	TT	1940411022
SNP_P1_146182_29327089	NC_021166.1	Ca_kabuli_chr07	29327089	CC	GG	1940411024
SNP_P1_146183_29327146	NC_021166.1	Ca_kabuli_chr07	29327146	TT	CC	1940411026
SNP_P1_146184_29327166	NC_021166.1	Ca_kabuli_chr07	29327166	CC	TT	1940411028
SNP_P1_146185_29327348	NC_021166.1	Ca_kabuli_chr07	29327348	TT	CC	1940411029
SNP_P1_146186_29327362	NC_021166.1	Ca_kabuli_chr07	29327362	AA	GG	1940411031
SNP_P1_146187_29327367	NC_021166.1	Ca_kabuli_chr07	29327367	GG	AA	1940411033
SNP_P1_146188_29327783	NC_021166.1	Ca_kabuli_chr07	29327783	GG	AA	1940411035
SNP_P1_146189_29327902	NC_021166.1	Ca_kabuli_chr07	29327902	GG	AA	1940411037
SNP_P1_146190_29328789	NC_021166.1	Ca_kabuli_chr07	29328789	GG	AA	1940411038
SNP_P1_146191_29328810	NC_021166.1	Ca_kabuli_chr07	29328810	AA	CC	1940411040
SNP_P1_146192_29328882	NC_021166.1	Ca_kabuli_chr07	29328882	TT	AA	1940411042
SNP_P1_146193_29328885	NC_021166.1	Ca_kabuli_chr07	29328885	CC	TT	1940411044
SNP_P1_146194_29329030	NC_021166.1	Ca_kabuli_chr07	29329030	TT	CC	1940411046
SNP_P1_146195_29329071	NC_021166.1	Ca_kabuli_chr07	29329071	AA	GG	1940411047

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146197_29329395	NC_021166.1	Ca_kabuli_chr07	29329395	CC	TT	1940411051
SNP_P1_146198_29329406	NC_021166.1	Ca_kabuli_chr07	29329406	AA	GG	1940411053
SNP_P1_146199_29329829	NC_021166.1	Ca_kabuli_chr07	29329829	GG	TT	1940411055
SNP_P1_146200_29329836	NC_021166.1	Ca_kabuli_chr07	29329836	CC	AA	1940411056
SNP_P1_146201_29329847	NC_021166.1	Ca_kabuli_chr07	29329847	AA	GG	1940411058
SNP_P1_146202_29329849	NC_021166.1	Ca_kabuli_chr07	29329849	GG	AA	1940411060
SNP_P1_146203_29329882	NC_021166.1	Ca_kabuli_chr07	29329882	TT	CC	1940411062
SNP_P1_146204_29329891	NC_021166.1	Ca_kabuli_chr07	29329891	CC	TT	1940411064
SNP_P1_146205_29329894	NC_021166.1	Ca_kabuli_chr07	29329894	TT	AA	1940411065
SNP_P1_146207_29334748	NC_021166.1	Ca_kabuli_chr07	29334748	TT	CC	1940411067
SNP_P1_146208_29334856	NC_021166.1	Ca_kabuli_chr07	29334856	AA	GG	1940411069
SNP_P1_146209_29334863	NC_021166.1	Ca_kabuli_chr07	29334863	GG	AA	1940411071
SNP_P1_146210_29335024	NC_021166.1	Ca_kabuli_chr07	29335024	AA	TT	1940411073
SNP_P1_146211_29335039	NC_021166.1	Ca_kabuli_chr07	29335039	GG	AA	1940411074
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SNP_P1_146213_29335046	NC_021166.1	Ca_kabuli_chr07	29335046	GG	AA	1940411078
SNP_P1_146214_29335058	NC_021166.1	Ca_kabuli_chr07	29335058	TT	GG	1940411080
SNP_P1_146215_29335065	NC_021166.1	Ca_kabuli_chr07	29335065	AA	GG	1940411082
SNP_P1_146216_29335073	NC_021166.1	Ca_kabuli_chr07	29335073	CC	TT	1940411083
SNP_P1_146217_29335089	NC_021166.1	Ca_kabuli_chr07	29335089	GG	AA	1940411085
SNP_P1_146218_29335109	NC_021166.1	Ca_kabuli_chr07	29335109	AA	GG	1940411087
SNP_P1_146219_29335219	NC_021166.1	Ca_kabuli_chr07	29335219	CC	TT	1940411089
SNP_P1_146220_29335222	NC_021166.1	Ca_kabuli_chr07	29335222	AA	GG	1940411091
SNP_P1_146221_29335228	NC_021166.1	Ca_kabuli_chr07	29335228	AA	CC	1940411092
SNP_P1_146222_29335248	NC_021166.1	Ca_kabuli_chr07	29335248	AA	GG	1940411094
SNP_P1_146223_29335461	NC_021166.1	Ca_kabuli_chr07	29335461	TT	CC	1940411096
SNP_P1_146224_29335609	NC_021166.1	Ca_kabuli_chr07	29335609	CC	TT	1940411098
SNP_P1_146225_29335633	NC_021166.1	Ca_kabuli_chr07	29335633	GG	AA	1940411100
SNP_P1_146226_29335905	NC_021166.1	Ca_kabuli_chr07	29335905	GG	CC	1940411101
SNP_P1_146227_29335943	NC_021166.1	Ca_kabuli_chr07	29335943	TT	CC	1940411103
SNP_P1_146228_29335966	NC_021166.1	Ca_kabuli_chr07	29335966	GG	AA	1940411105
SNP_P1_146229_29336651	NC_021166.1	Ca_kabuli_chr07	29336651	TT	CC	1940411107
SNP_P1_146230_29337175	NC_021166.1	Ca_kabuli_chr07	29337175	AA	TT	1940411108
SNP_P1_146231_29338151	NC_021166.1	Ca_kabuli_chr07	29338151	TT	AA	1940411110
SNP_P1_146232_29341831	NC_021166.1	Ca_kabuli_chr07	29341831	GG	AA	1940411112
SNP_P1_146233_29342032	NC_021166.1	Ca_kabuli_chr07	29342032	TT	CC	1940411114
SNP_P1_146234_29342248	NC_021166.1	Ca_kabuli_chr07	29342248	CC	TT	1940411116
SNP_P1_146235_29343254	NC_021166.1	Ca_kabuli_chr07	29343254	AA	GG	1940411117
SNP_P1_146236_29343743	NC_021166.1	Ca_kabuli_chr07	29343743	AA	GG	1940411119
SNP_P1_146238_29344737	NC_021166.1	Ca_kabuli_chr07	29344737	TT	CC	1940411121
SNP_P1_146239_29345515	NC_021166.1	Ca_kabuli_chr07	29345515	GG	TT	1940411123

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146241_29345699	NC_021166.1	Ca_kabuli_chr07	29345699	AA	GG	1940411126
SNP_P1_146243_29346112	NC_021166.1	Ca_kabuli_chr07	29346112	GG	AA	1940411128
SNP_P1_146246_29348100	NC_021166.1	Ca_kabuli_chr07	29348100	TT	CC	1940411130
SNP_P1_146247_29350582	NC_021166.1	Ca_kabuli_chr07	29350582	GG	CC	1940411132
SNP_P1_146248_29350704	NC_021166.1	Ca_kabuli_chr07	29350704	CC	TT	1940411134
SNP_P1_146249_29351200	NC_021166.1	Ca_kabuli_chr07	29351200	CC	TT	1940411135
SNP_P1_146250_29351740	NC_021166.1	Ca_kabuli_chr07	29351740	AA	CC	1940411137
SNP_P1_146251_29352777	NC_021166.1	Ca_kabuli_chr07	29352777	GG	AA	1940411139
SNP_P1_146252_29353854	NC_021166.1	Ca_kabuli_chr07	29353854	GG	AA	1940411141
SNP_P1_146253_29354582	NC_021166.1	Ca_kabuli_chr07	29354582	AA	GG	1940411143
SNP_P1_146254_29355029	NC_021166.1	Ca_kabuli_chr07	29355029	TT	CC	1940411144
SNP_P1_146256_29355318	NC_021166.1	Ca_kabuli_chr07	29355318	TT	CC	1940411146
SNP_P1_146257_29356496	NC_021166.1	Ca_kabuli_chr07	29356496	AA	GG	1940411148
SNP_P1_146258_29357463	NC_021166.1	Ca_kabuli_chr07	29357463	TT	GG	1940411150
SNP_P1_146260_29358506	NC_021166.1	Ca_kabuli_chr07	29358506	GG	AA	1940411152
SNP_P1_146261_29358591	NC_021166.1	Ca_kabuli_chr07	29358591	AA	CC	1940411153
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SNP_P1_146263_29359301	NC_021166.1	Ca_kabuli_chr07	29359301	AA	TT	1940411157
SNP_P1_146264_29359309	NC_021166.1	Ca_kabuli_chr07	29359309	TT	CC	1940411159
SNP_P1_146265_29380845	NC_021166.1	Ca_kabuli_chr07	29380845	TT	CC	1940411161
SNP_P1_146266_29381210	NC_021166.1	Ca_kabuli_chr07	29381210	GG	TT	1940411162
SNP_P1_146267_29381241	NC_021166.1	Ca_kabuli_chr07	29381241	GG	TT	1940411164
SNP_P1_146268_29381845	NC_021166.1	Ca_kabuli_chr07	29381845	AA	TT	1940411166
SNP_P1_146269_29382105	NC_021166.1	Ca_kabuli_chr07	29382105	TT	CC	1940411168
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SNP_P1_146271_29383056	NC_021166.1	Ca_kabuli_chr07	29383056	CC	TT	1940411171
SNP_P1_146272_29385471	NC_021166.1	Ca_kabuli_chr07	29385471	GG	AA	1940411173
SNP_P1_146273_29386371	NC_021166.1	Ca_kabuli_chr07	29386371	GG	AA	1940411175
SNP_P1_146274_29386384	NC_021166.1	Ca_kabuli_chr07	29386384	CC	TT	1940411177
SNP_P1_146275_29386534	NC_021166.1	Ca_kabuli_chr07	29386534	TT	GG	1940411179
SNP_P1_146276_29386616	NC_021166.1	Ca_kabuli_chr07	29386616	GG	TT	1940411180
SNP_P1_146277_29386905	NC_021166.1	Ca_kabuli_chr07	29386905	CC	TT	1940411182
SNP_P1_146278_29386979	NC_021166.1	Ca_kabuli_chr07	29386979	TT	AA	1940411184
SNP_P1_146279_29387103	NC_021166.1	Ca_kabuli_chr07	29387103	GG	TT	1940411186
SNP_P1_146280_29387259	NC_021166.1	Ca_kabuli_chr07	29387259	TT	AA	1940411188
SNP_P1_146281_29387312	NC_021166.1	Ca_kabuli_chr07	29387312	CC	AA	1940411189
SNP_P1_146282_29387320	NC_021166.1	Ca_kabuli_chr07	29387320	TT	AA	1940411191
SNP_P1_146283_29387500	NC_021166.1	Ca_kabuli_chr07	29387500	TT	CC	1940411193
SNP_P1_146284_29387544	NC_021166.1	Ca_kabuli_chr07	29387544	TT	AA	1940411195
SNP_P1_146285_29387640	NC_021166.1	Ca_kabuli_chr07	29387640	GG	AA	1940411197
SNP_P1_146286_29387840	NC_021166.1	Ca_kabuli_chr07	29387840	GG	AA	1940411198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146289_29388117	NC_021166.1	Ca_kabuli_chr07	29388117	GG	AA	1940411204
SNP_P1_146290_29388128	NC_021166.1	Ca_kabuli_chr07	29388128	TT	AA	1940411206
SNP_P1_146291_29388370	NC_021166.1	Ca_kabuli_chr07	29388370	TT	CC	1940411207
SNP_P1_146292_29388406	NC_021166.1	Ca_kabuli_chr07	29388406	CC	TT	1940411209
SNP_P1_146293_29388411	NC_021166.1	Ca_kabuli_chr07	29388411	AA	GG	1940411211
SNP_P1_146294_29388417	NC_021166.1	Ca_kabuli_chr07	29388417	CC	GG	1940411213
SNP_P1_146295_29388492	NC_021166.1	Ca_kabuli_chr07	29388492	AA	TT	1940411215
SNP_P1_146296_29388506	NC_021166.1	Ca_kabuli_chr07	29388506	GG	CC	1940411216
SNP_P1_146297_29388508	NC_021166.1	Ca_kabuli_chr07	29388508	GG	AA	1940411218
SNP_P1_146298_29388567	NC_021166.1	Ca_kabuli_chr07	29388567	TT	CC	1940411220
SNP_P1_146299_29388574	NC_021166.1	Ca_kabuli_chr07	29388574	CC	TT	1940411222
SNP_P1_146300_29388596	NC_021166.1	Ca_kabuli_chr07	29388596	TT	CC	1940411224
SNP_P1_146302_29388858	NC_021166.1	Ca_kabuli_chr07	29388858	CC	AA	1940411226
SNP_P1_146303_29389527	NC_021166.1	Ca_kabuli_chr07	29389527	CC	TT	1940411227
SNP_P1_146304_29391113	NC_021166.1	Ca_kabuli_chr07	29391113	GG	AA	1940411229
SNP_P1_146306_29391414	NC_021166.1	Ca_kabuli_chr07	29391414	AA	TT	1940411231
SNP_P1_146307_29391626	NC_021166.1	Ca_kabuli_chr07	29391626	AA	GG	1940411233
SNP_P1_146309_29392110	NC_021166.1	Ca_kabuli_chr07	29392110	GG	AA	1940411235
SNP_P1_146311_29392209	NC_021166.1	Ca_kabuli_chr07	29392209	CC	GG	1940411236
SNP_P1_146312_29392300	NC_021166.1	Ca_kabuli_chr07	29392300	GG	TT	1940411238
SNP_P1_146313_29392309	NC_021166.1	Ca_kabuli_chr07	29392309	GG	AA	1940411240
SNP_P1_146314_29392460	NC_021166.1	Ca_kabuli_chr07	29392460	AA	TT	1940411242
SNP_P1_146315_29395460	NC_021166.1	Ca_kabuli_chr07	29395460	AA	GG	1940411244
SNP_P1_146316_29396919	NC_021166.1	Ca_kabuli_chr07	29396919	TT	CC	1940411245
SNP_P1_146318_29398215	NC_021166.1	Ca_kabuli_chr07	29398215	TT	CC	1940411247
SNP_P1_146319_29398255	NC_021166.1	Ca_kabuli_chr07	29398255	CC	TT	1940411249
SNP_P1_146320_29398272	NC_021166.1	Ca_kabuli_chr07	29398272	AA	GG	1940411251
SNP_P1_146321_29398289	NC_021166.1	Ca_kabuli_chr07	29398289	CC	TT	1940411253
SNP_P1_146322_29398293	NC_021166.1	Ca_kabuli_chr07	29398293	CC	TT	1940411254
SNP_P1_146323_29400857	NC_021166.1	Ca_kabuli_chr07	29400857	GG	AA	1940411256
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SNP_P1_146325_29404731	NC_021166.1	Ca_kabuli_chr07	29404731	GG	AA	1940411260
SNP_P1_146326_29404839	NC_021166.1	Ca_kabuli_chr07	29404839	CC	TT	1940411262
SNP_P1_146327_29405977	NC_021166.1	Ca_kabuli_chr07	29405977	CC	TT	1940411263
SNP_P1_146329_29406558	NC_021166.1	Ca_kabuli_chr07	29406558	CC	AA	1940411265
SNP_P1_146332_29408988	NC_021166.1	Ca_kabuli_chr07	29408988	TT	GG	1940411267
SNP_P1_146333_29410120	NC_021166.1	Ca_kabuli_chr07	29410120	TT	CC	1940411269
SNP_P1_146335_29410560	NC_021166.1	Ca_kabuli_chr07	29410560	GG	AA	1940411271
SNP_P1_146337_29411587	NC_021166.1	Ca_kabuli_chr07	29411587	CC	TT	1940411272
SNP_P1_146338_29411649	NC_021166.1	Ca_kabuli_chr07	29411649	GG	CC	1940411274

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146340_29411911	NC_021166.1	Ca_kabuli_chr07	29411911	AA	GG	1940411278
SNP_P1_146341_29413103	NC_021166.1	Ca_kabuli_chr07	29413103	GG	TT	1940411280
SNP_P1_146342_29413144	NC_021166.1	Ca_kabuli_chr07	29413144	AA	GG	1940411281
SNP_P1_146343_29413494	NC_021166.1	Ca_kabuli_chr07	29413494	AA	GG	1940411283
SNP_P1_146344_29416172	NC_021166.1	Ca_kabuli_chr07	29416172	AA	TT	1940411285
SNP_P1_146345_29416261	NC_021166.1	Ca_kabuli_chr07	29416261	TT	AA	1940411287
SNP_P1_146347_29416464	NC_021166.1	Ca_kabuli_chr07	29416464	AA	GG	1940411289
SNP_P1_146349_29416577	NC_021166.1	Ca_kabuli_chr07	29416577	TT	CC	1940411290
SNP_P1_146350_29416673	NC_021166.1	Ca_kabuli_chr07	29416673	GG	AA	1940411292
SNP_P1_146351_29416892	NC_021166.1	Ca_kabuli_chr07	29416892	GG	AA	1940411294
SNP_P1_146352_29416893	NC_021166.1	Ca_kabuli_chr07	29416893	GG	AA	1940411296
SNP_P1_146353_29417151	NC_021166.1	Ca_kabuli_chr07	29417151	GG	AA	1940411298
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SNP_P1_146360_29417733	NC_021166.1	Ca_kabuli_chr07	29417733	TT	CC	1940411310
SNP_P1_146361_29417759	NC_021166.1	Ca_kabuli_chr07	29417759	AA	CC	1940411312
SNP_P1_146362_29417763	NC_021166.1	Ca_kabuli_chr07	29417763	GG	AA	1940411314
SNP_P1_146363_29417970	NC_021166.1	Ca_kabuli_chr07	29417970	GG	AA	1940411316
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SNP_P1_146369_29418216	NC_021166.1	Ca_kabuli_chr07	29418216	CC	TT	1940411325
SNP_P1_146370_29418285	NC_021166.1	Ca_kabuli_chr07	29418285	CC	TT	1940411326
SNP_P1_146371_29418463	NC_021166.1	Ca_kabuli_chr07	29418463	GG	AA	1940411328
SNP_P1_146373_29419859	NC_021166.1	Ca_kabuli_chr07	29419859	AA	GG	1940411330
SNP_P1_146376_29428047	NC_021166.1	Ca_kabuli_chr07	29428047	GG	AA	1940411332
SNP_P1_146377_29428389	NC_021166.1	Ca_kabuli_chr07	29428389	GG	AA	1940411334
SNP_P1_146378_29428629	NC_021166.1	Ca_kabuli_chr07	29428629	CC	TT	1940411335
SNP_P1_146380_29429645	NC_021166.1	Ca_kabuli_chr07	29429645	GG	CC	1940411337
SNP_P1_146381_29429646	NC_021166.1	Ca_kabuli_chr07	29429646	GG	CC	1940411339
SNP_P1_146382_29429875	NC_021166.1	Ca_kabuli_chr07	29429875	AA	TT	1940411341
SNP_P1_146383_29429907	NC_021166.1	Ca_kabuli_chr07	29429907	GG	AA	1940411343
SNP_P1_146384_29429925	NC_021166.1	Ca_kabuli_chr07	29429925	CC	TT	1940411344
SNP_P1_146385_29432964	NC_021166.1	Ca_kabuli_chr07	29432964	AA	TT	1940411346
SNP_P1_146386_29433206	NC_021166.1	Ca_kabuli_chr07	29433206	TT	CC	1940411348
SNP_P1_146387_29433295	NC_021166.1	Ca_kabuli_chr07	29433295	CC	AA	1940411350

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146390_29433372	NC_021166.1	Ca_kabuli_chr07	29433372	CC	TT	1940411355
SNP_P1_146391_29433448	NC_021166.1	Ca_kabuli_chr07	29433448	TT	AA	1940411357
SNP_P1_146392_29433627	NC_021166.1	Ca_kabuli_chr07	29433627	CC	TT	1940411359
SNP_P1_146393_29433631	NC_021166.1	Ca_kabuli_chr07	29433631	TT	CC	1940411361
SNP_P1_146394_29433644	NC_021166.1	Ca_kabuli_chr07	29433644	CC	GG	1940411362
SNP_P1_146395_29433646	NC_021166.1	Ca_kabuli_chr07	29433646	GG	AA	1940411364
SNP_P1_146396_29433667	NC_021166.1	Ca_kabuli_chr07	29433667	AA	TT	1940411366
SNP_P1_146397_29433738	NC_021166.1	Ca_kabuli_chr07	29433738	CC	TT	1940411368
SNP_P1_146398_29433840	NC_021166.1	Ca_kabuli_chr07	29433840	TT	AA	1940411370
SNP_P1_146399_29437362	NC_021166.1	Ca_kabuli_chr07	29437362	TT	CC	1940411371
SNP_P1_146401_29442096	NC_021166.1	Ca_kabuli_chr07	29442096	CC	GG	1940411373
SNP_P1_146402_29442848	NC_021166.1	Ca_kabuli_chr07	29442848	TT	CC	1940411375
SNP_P1_146403_29443272	NC_021166.1	Ca_kabuli_chr07	29443272	GG	TT	1940411377
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SNP_P1_146405_29443445	NC_021166.1	Ca_kabuli_chr07	29443445	GG	AA	1940411380
SNP_P1_146406_29443522	NC_021166.1	Ca_kabuli_chr07	29443522	CC	TT	1940411382
SNP_P1_146407_29443524	NC_021166.1	Ca_kabuli_chr07	29443524	AA	GG	1940411384
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SNP_P1_146410_29443571	NC_021166.1	Ca_kabuli_chr07	29443571	TT	CC	1940411389
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SNP_P1_146412_29443658	NC_021166.1	Ca_kabuli_chr07	29443658	GG	AA	1940411393
SNP_P1_146413_29443676	NC_021166.1	Ca_kabuli_chr07	29443676	AA	GG	1940411395
SNP_P1_146414_29443685	NC_021166.1	Ca_kabuli_chr07	29443685	GG	AA	1940411397
SNP_P1_146415_29443706	NC_021166.1	Ca_kabuli_chr07	29443706	AA	GG	1940411398
SNP_P1_146416_29443732	NC_021166.1	Ca_kabuli_chr07	29443732	AA	GG	1940411400
SNP_P1_146417_29444027	NC_021166.1	Ca_kabuli_chr07	29444027	CC	TT	1940411402
SNP_P1_146418_29444126	NC_021166.1	Ca_kabuli_chr07	29444126	CC	TT	1940411404
SNP_P1_146419_29444134	NC_021166.1	Ca_kabuli_chr07	29444134	GG	AA	1940411405
SNP_P1_146420_29444491	NC_021166.1	Ca_kabuli_chr07	29444491	GG	TT	1940411407
SNP_P1_146421_29444503	NC_021166.1	Ca_kabuli_chr07	29444503	AA	TT	1940411409
SNP_P1_146422_29444546	NC_021166.1	Ca_kabuli_chr07	29444546	GG	AA	1940411411
SNP_P1_146423_29445060	NC_021166.1	Ca_kabuli_chr07	29445060	AA	GG	1940411413
SNP_P1_146424_29445332	NC_021166.1	Ca_kabuli_chr07	29445332	GG	AA	1940411414
SNP_P1_146425_29445334	NC_021166.1	Ca_kabuli_chr07	29445334	GG	AA	1940411416
SNP_P1_146427_29445481	NC_021166.1	Ca_kabuli_chr07	29445481	GG	AA	1940411418
SNP_P1_146428_29445849	NC_021166.1	Ca_kabuli_chr07	29445849	GG	AA	1940411420
SNP_P1_146429_29445888	NC_021166.1	Ca_kabuli_chr07	29445888	TT	CC	1940411422
SNP_P1_146430_29446053	NC_021166.1	Ca_kabuli_chr07	29446053	TT	CC	1940411423
SNP_P1_146432_29446136	NC_021166.1	Ca_kabuli_chr07	29446136	GG	AA	1940411425

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146435_29446259	NC_021166.1	Ca_kabuli_chr07	29446259	CC	AA	1940411429
SNP_P1_146436_29446429	NC_021166.1	Ca_kabuli_chr07	29446429	AA	CC	1940411431
SNP_P1_146438_29447057	NC_021166.1	Ca_kabuli_chr07	29447057	AA	CC	1940411432
SNP_P1_146439_29447355	NC_021166.1	Ca_kabuli_chr07	29447355	CC	TT	1940411434
SNP_P1_146441_29448294	NC_021166.1	Ca_kabuli_chr07	29448294	TT	GG	1940411436
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SNP_P1_146444_29449947	NC_021166.1	Ca_kabuli_chr07	29449947	GG	AA	1940411441
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SNP_P1_146448_29451691	NC_021166.1	Ca_kabuli_chr07	29451691	AA	GG	1940411449
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SNP_P1_146450_29451699	NC_021166.1	Ca_kabuli_chr07	29451699	CC	TT	1940411452
SNP_P1_146451_29451714	NC_021166.1	Ca_kabuli_chr07	29451714	CC	TT	1940411454
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SNP_P1_146464_29452934	NC_021166.1	Ca_kabuli_chr07	29452934	TT	GG	1940411476
SNP_P1_146465_29453235	NC_021166.1	Ca_kabuli_chr07	29453235	AA	TT	1940411478
SNP_P1_146466_29453259	NC_021166.1	Ca_kabuli_chr07	29453259	TT	GG	1940411479
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SNP_P1_146468_29455649	NC_021166.1	Ca_kabuli_chr07	29455649	GG	AA	1940411483
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SNP_P1_146470_29455890	NC_021166.1	Ca_kabuli_chr07	29455890	TT	CC	1940411487
SNP_P1_146472_29456666	NC_021166.1	Ca_kabuli_chr07	29456666	AA	GG	1940411488
SNP_P1_146473_29456733	NC_021166.1	Ca_kabuli_chr07	29456733	AA	TT	1940411490
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SNP_P1_146477_29457379	NC_021166.1	Ca_kabuli_chr07	29457379	TT	CC	1940411495
SNP_P1_146478_29457585	NC_021166.1	Ca_kabuli_chr07	29457585	CC	TT	1940411497
SNP_P1_146479_29458148	NC_021166.1	Ca_kabuli_chr07	29458148	AA	CC	1940411499
SNP_P1_146480_29458152	NC_021166.1	Ca_kabuli_chr07	29458152	AA	CC	1940411501

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146484_29459169	NC_021166.1	Ca_kabuli_chr07	29459169	CC	GG	1940411506
SNP_P1_146485_29460562	NC_021166.1	Ca_kabuli_chr07	29460562	AA	CC	1940411508
SNP_P1_146486_29460565	NC_021166.1	Ca_kabuli_chr07	29460565	TT	AA	1940411510
SNP_P1_146488_29460618	NC_021166.1	Ca_kabuli_chr07	29460618	AA	GG	1940411512
SNP_P1_146489_29460661	NC_021166.1	Ca_kabuli_chr07	29460661	TT	GG	1940411514
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SNP_P1_146494_29464127	NC_021166.1	Ca_kabuli_chr07	29464127	TT	GG	1940411523
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SNP_P1_146497_29464205	NC_021166.1	Ca_kabuli_chr07	29464205	CC	AA	1940411528
SNP_P1_146500_29464342	NC_021166.1	Ca_kabuli_chr07	29464342	AA	GG	1940411530
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SNP_P1_146512_29472348	NC_021166.1	Ca_kabuli_chr07	29472348	GG	AA	1940411550
SNP_P1_146513_29472364	NC_021166.1	Ca_kabuli_chr07	29472364	AA	GG	1940411551
SNP_P1_146514_29472920	NC_021166.1	Ca_kabuli_chr07	29472920	GG	AA	1940411553
SNP_P1_146515_29473006	NC_021166.1	Ca_kabuli_chr07	29473006	AA	GG	1940411555
SNP_P1_146516_29473174	NC_021166.1	Ca_kabuli_chr07	29473174	GG	AA	1940411557
SNP_P1_146517_29473575	NC_021166.1	Ca_kabuli_chr07	29473575	CC	TT	1940411558
SNP_P1_146518_29473776	NC_021166.1	Ca_kabuli_chr07	29473776	TT	AA	1940411560
SNP_P1_146519_29473807	NC_021166.1	Ca_kabuli_chr07	29473807	TT	CC	1940411562
SNP_P1_146520_29475509	NC_021166.1	Ca_kabuli_chr07	29475509	TT	GG	1940411564
SNP_P1_146521_29475523	NC_021166.1	Ca_kabuli_chr07	29475523	AA	GG	1940411566
SNP_P1_146522_29475776	NC_021166.1	Ca_kabuli_chr07	29475776	AA	GG	1940411567
SNP_P1_146523_29476155	NC_021166.1	Ca_kabuli_chr07	29476155	TT	CC	1940411569
SNP_P1_146524_29476497	NC_021166.1	Ca_kabuli_chr07	29476497	TT	AA	1940411571
SNP_P1_146527_29477986	NC_021166.1	Ca_kabuli_chr07	29477986	AA	GG	1940411573
SNP_P1_146528_29478835	NC_021166.1	Ca_kabuli_chr07	29478835	CC	TT	1940411575
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146531_29479456	NC_021166.1	Ca_kabuli_chr07	29479456	AA	GG	1940411580
SNP_P1_146532_29479463	NC_021166.1	Ca_kabuli_chr07	29479463	AA	GG	1940411582
SNP_P1_146533_29479632	NC_021166.1	Ca_kabuli_chr07	29479632	CC	AA	1940411584
SNP_P1_146534_29480242	NC_021166.1	Ca_kabuli_chr07	29480242	GG	CC	1940411585
SNP_P1_146535_29480576	NC_021166.1	Ca_kabuli_chr07	29480576	TT	AA	1940411587
SNP_P1_146536_29481669	NC_021166.1	Ca_kabuli_chr07	29481669	GG	TT	1940411589
SNP_P1_146537_29481677	NC_021166.1	Ca_kabuli_chr07	29481677	AA	GG	1940411591
SNP_P1_146539_29486295	NC_021166.1	Ca_kabuli_chr07	29486295	CC	TT	1940411593
SNP_P1_146540_29486299	NC_021166.1	Ca_kabuli_chr07	29486299	TT	CC	1940411594
SNP_P1_146541_29486323	NC_021166.1	Ca_kabuli_chr07	29486323	GG	AA	1940411596
SNP_P1_146543_29489068	NC_021166.1	Ca_kabuli_chr07	29489068	TT	CC	1940411598
SNP_P1_146546_29489645	NC_021166.1	Ca_kabuli_chr07	29489645	GG	CC	1940411600
SNP_P1_146547_29489663	NC_021166.1	Ca_kabuli_chr07	29489663	TT	CC	1940411601
SNP_P1_146548_29489842	NC_021166.1	Ca_kabuli_chr07	29489842	CC	TT	1940411603
SNP_P1_146549_29489849	NC_021166.1	Ca_kabuli_chr07	29489849	GG	TT	1940411605
SNP_P1_146550_29489907	NC_021166.1	Ca_kabuli_chr07	29489907	CC	GG	1940411607
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SNP_P1_146552_29489959	NC_021166.1	Ca_kabuli_chr07	29489959	CC	TT	1940411610
SNP_P1_146553_29490492	NC_021166.1	Ca_kabuli_chr07	29490492	TT	CC	1940411612
SNP_P1_146555_29491217	NC_021166.1	Ca_kabuli_chr07	29491217	TT	GG	1940411614
SNP_P1_146556_29491236	NC_021166.1	Ca_kabuli_chr07	29491236	GG	CC	1940411616
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SNP_P1_146559_29491446	NC_021166.1	Ca_kabuli_chr07	29491446	GG	TT	1940411621
SNP_P1_146560_29491475	NC_021166.1	Ca_kabuli_chr07	29491475	GG	AA	1940411623
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SNP_P1_146562_29491733	NC_021166.1	Ca_kabuli_chr07	29491733	GG	AA	1940411627
SNP_P1_146563_29491734	NC_021166.1	Ca_kabuli_chr07	29491734	AA	GG	1940411628
SNP_P1_146564_29491803	NC_021166.1	Ca_kabuli_chr07	29491803	TT	AA	1940411630
SNP_P1_146565_29491863	NC_021166.1	Ca_kabuli_chr07	29491863	CC	AA	1940411632
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SNP_P1_146569_29491965	NC_021166.1	Ca_kabuli_chr07	29491965	GG	AA	1940411639
SNP_P1_146570_29493594	NC_021166.1	Ca_kabuli_chr07	29493594	CC	TT	1940411641
SNP_P1_146571_29493601	NC_021166.1	Ca_kabuli_chr07	29493601	TT	CC	1940411642
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SNP_P1_146575_29495352	NC_021166.1	Ca_kabuli_chr07	29495352	CC	TT	1940411648
SNP_P1_146576_29495425	NC_021166.1	Ca_kabuli_chr07	29495425	AA	TT	1940411650
SNP_P1_146577_29495584	NC_021166.1	Ca_kabuli_chr07	29495584	AA	TT	1940411651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146580_29495752	NC_021166.1	Ca_kabuli_chr07	29495752	AA	GG	1940411655
SNP_P1_146582_29496417	NC_021166.1	Ca_kabuli_chr07	29496417	CC	TT	1940411657
SNP_P1_146584_29496598	NC_021166.1	Ca_kabuli_chr07	29496598	CC	TT	1940411658
SNP_P1_146585_29496634	NC_021166.1	Ca_kabuli_chr07	29496634	AA	CC	1940411660
SNP_P1_146586_29496889	NC_021166.1	Ca_kabuli_chr07	29496889	AA	GG	1940411662
SNP_P1_146587_29496947	NC_021166.1	Ca_kabuli_chr07	29496947	AA	GG	1940411664
SNP_P1_146588_29499181	NC_021166.1	Ca_kabuli_chr07	29499181	TT	CC	1940411666
SNP_P1_146589_29499854	NC_021166.1	Ca_kabuli_chr07	29499854	AA	GG	1940411667
SNP_P1_146590_29500255	NC_021166.1	Ca_kabuli_chr07	29500255	CC	TT	1940411669
SNP_P1_146591_29500290	NC_021166.1	Ca_kabuli_chr07	29500290	TT	CC	1940411671
SNP_P1_146593_29501233	NC_021166.1	Ca_kabuli_chr07	29501233	GG	AA	1940411673
SNP_P1_146594_29501257	NC_021166.1	Ca_kabuli_chr07	29501257	CC	TT	1940411675
SNP_P1_146595_29501449	NC_021166.1	Ca_kabuli_chr07	29501449	TT	GG	1940411676
SNP_P1_146596_29501928	NC_021166.1	Ca_kabuli_chr07	29501928	GG	AA	1940411678
SNP_P1_146597_29502164	NC_021166.1	Ca_kabuli_chr07	29502164	GG	AA	1940411680
SNP_P1_146598_29504889	NC_021166.1	Ca_kabuli_chr07	29504889	TT	AA	1940411682
SNP_P1_146599_29504966	NC_021166.1	Ca_kabuli_chr07	29504966	CC	GG	1940411684
SNP_P1_146601_29505293	NC_021166.1	Ca_kabuli_chr07	29505293	AA	GG	1940411685
SNP_P1_146602_29507197	NC_021166.1	Ca_kabuli_chr07	29507197	AA	TT	1940411687
SNP_P1_146603_29507198	NC_021166.1	Ca_kabuli_chr07	29507198	TT	AA	1940411689
SNP_P1_146604_29507200	NC_021166.1	Ca_kabuli_chr07	29507200	GG	TT	1940411691
SNP_P1_146605_29507800	NC_021166.1	Ca_kabuli_chr07	29507800	GG	AA	1940411693
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SNP_P1_146610_29510176	NC_021166.1	Ca_kabuli_chr07	29510176	AA	GG	1940411702
SNP_P1_146611_29510224	NC_021166.1	Ca_kabuli_chr07	29510224	CC	AA	1940411703
SNP_P1_146612_29510227	NC_021166.1	Ca_kabuli_chr07	29510227	TT	CC	1940411705
SNP_P1_146613_29510334	NC_021166.1	Ca_kabuli_chr07	29510334	AA	GG	1940411707
SNP_P1_146614_29511152	NC_021166.1	Ca_kabuli_chr07	29511152	AA	TT	1940411709
SNP_P1_146615_29511167	NC_021166.1	Ca_kabuli_chr07	29511167	TT	AA	1940411711
SNP_P1_146617_29512132	NC_021166.1	Ca_kabuli_chr07	29512132	CC	GG	1940411712
SNP_P1_146618_29512156	NC_021166.1	Ca_kabuli_chr07	29512156	AA	CC	1940411714
SNP_P1_146619_29525627	NC_021166.1	Ca_kabuli_chr07	29525627	GG	AA	1940411716
SNP_P1_146621_29525934	NC_021166.1	Ca_kabuli_chr07	29525934	TT	CC	1940411718
SNP_P1_146622_29526382	NC_021166.1	Ca_kabuli_chr07	29526382	AA	GG	1940411720
SNP_P1_146623_29526528	NC_021166.1	Ca_kabuli_chr07	29526528	AA	GG	1940411721
SNP_P1_146624_29526542	NC_021166.1	Ca_kabuli_chr07	29526542	GG	AA	1940411723
SNP_P1_146625_29526591	NC_021166.1	Ca_kabuli_chr07	29526591	TT	AA	1940411725
SNP_P1_146626_29526592	NC_021166.1	Ca_kabuli_chr07	29526592	AA	GG	1940411727

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146629_29526861	NC_021166.1	Ca_kabuli_chr07	29526861	TT	GG	1940411732
SNP_P1_146630_29526913	NC_021166.1	Ca_kabuli_chr07	29526913	AA	GG	1940411734
SNP_P1_146631_29526961	NC_021166.1	Ca_kabuli_chr07	29526961	AA	CC	1940411736
SNP_P1_146632_29528309	NC_021166.1	Ca_kabuli_chr07	29528309	AA	GG	1940411737
SNP_P1_146633_29528399	NC_021166.1	Ca_kabuli_chr07	29528399	AA	TT	1940411739
SNP_P1_146634_29528410	NC_021166.1	Ca_kabuli_chr07	29528410	CC	AA	1940411741
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SNP_P1_146636_29528926	NC_021166.1	Ca_kabuli_chr07	29528926	TT	CC	1940411745
SNP_P1_146637_29529844	NC_021166.1	Ca_kabuli_chr07	29529844	CC	GG	1940411746
SNP_P1_146638_29530095	NC_021166.1	Ca_kabuli_chr07	29530095	CC	TT	1940411748
SNP_P1_146639_29530115	NC_021166.1	Ca_kabuli_chr07	29530115	AA	CC	1940411750
SNP_P1_146640_29531410	NC_021166.1	Ca_kabuli_chr07	29531410	GG	TT	1940411752
SNP_P1_146641_29531518	NC_021166.1	Ca_kabuli_chr07	29531518	CC	TT	1940411754
SNP_P1_146642_29531719	NC_021166.1	Ca_kabuli_chr07	29531719	AA	GG	1940411756
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SNP_P1_146650_29532956	NC_021166.1	Ca_kabuli_chr07	29532956	CC	AA	1940411768
SNP_P1_146651_29533154	NC_021166.1	Ca_kabuli_chr07	29533154	TT	CC	1940411770
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SNP_P1_146655_29534677	NC_021166.1	Ca_kabuli_chr07	29534677	AA	GG	1940411777
SNP_P1_146656_29534701	NC_021166.1	Ca_kabuli_chr07	29534701	GG	AA	1940411779
SNP_P1_146657_29535785	NC_021166.1	Ca_kabuli_chr07	29535785	TT	CC	1940411781
SNP_P1_146660_29537350	NC_021166.1	Ca_kabuli_chr07	29537350	AA	CC	1940411783
SNP_P1_146661_29537422	NC_021166.1	Ca_kabuli_chr07	29537422	TT	AA	1940411784
SNP_P1_146662_29537477	NC_021166.1	Ca_kabuli_chr07	29537477	GG	AA	1940411786
SNP_P1_146663_29537492	NC_021166.1	Ca_kabuli_chr07	29537492	TT	GG	1940411788
SNP_P1_146664_29537525	NC_021166.1	Ca_kabuli_chr07	29537525	AA	GG	1940411790
SNP_P1_146665_29537533	NC_021166.1	Ca_kabuli_chr07	29537533	AA	GG	1940411791
SNP_P1_146666_29537567	NC_021166.1	Ca_kabuli_chr07	29537567	CC	GG	1940411793
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SNP_P1_146668_29537605	NC_021166.1	Ca_kabuli_chr07	29537605	TT	CC	1940411796
SNP_P1_146669_29537657	NC_021166.1	Ca_kabuli_chr07	29537657	TT	AA	1940411798
SNP_P1_146670_29537751	NC_021166.1	Ca_kabuli_chr07	29537751	TT	CC	1940411800
SNP_P1_146671_29538646	NC_021166.1	Ca_kabuli_chr07	29538646	CC	TT	1940411802

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146675_29540041	NC_021166.1	Ca_kabuli_chr07	29540041	GG	CC	1940411807
SNP_P1_146676_29540078	NC_021166.1	Ca_kabuli_chr07	29540078	CC	TT	1940411809
SNP_P1_146677_29540471	NC_021166.1	Ca_kabuli_chr07	29540471	CC	GG	1940411811
SNP_P1_146678_29540506	NC_021166.1	Ca_kabuli_chr07	29540506	CC	AA	1940411813
SNP_P1_146679_29540514	NC_021166.1	Ca_kabuli_chr07	29540514	TT	CC	1940411814
SNP_P1_146680_29540648	NC_021166.1	Ca_kabuli_chr07	29540648	CC	GG	1940411816
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SNP_P1_146684_29541253	NC_021166.1	Ca_kabuli_chr07	29541253	TT	CC	1940411822
SNP_P1_146685_29541893	NC_021166.1	Ca_kabuli_chr07	29541893	CC	TT	1940411823
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SNP_P1_146688_29543338	NC_021166.1	Ca_kabuli_chr07	29543338	CC	GG	1940411829
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SNP_P1_146697_29551990	NC_021166.1	Ca_kabuli_chr07	29551990	TT	GG	1940411841
SNP_P1_146698_29552023	NC_021166.1	Ca_kabuli_chr07	29552023	GG	AA	1940411843
SNP_P1_146699_29552569	NC_021166.1	Ca_kabuli_chr07	29552569	GG	CC	1940411845
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SNP_P1_146706_29553359	NC_021166.1	Ca_kabuli_chr07	29553359	TT	AA	1940411855
SNP_P1_146707_29553799	NC_021166.1	Ca_kabuli_chr07	29553799	GG	AA	1940411857
SNP_P1_146708_29555290	NC_021166.1	Ca_kabuli_chr07	29555290	TT	AA	1940411859
SNP_P1_146709_29556018	NC_021166.1	Ca_kabuli_chr07	29556018	AA	TT	1940411861
SNP_P1_146711_29556331	NC_021166.1	Ca_kabuli_chr07	29556331	GG	TT	1940411863
SNP_P1_146712_29556363	NC_021166.1	Ca_kabuli_chr07	29556363	AA	TT	1940411864
SNP_P1_146713_29557499	NC_021166.1	Ca_kabuli_chr07	29557499	CC	TT	1940411866
SNP_P1_146714_29557845	NC_021166.1	Ca_kabuli_chr07	29557845	CC	GG	1940411868
SNP_P1_146715_29558206	NC_021166.1	Ca_kabuli_chr07	29558206	AA	GG	1940411870
SNP_P1_146716_29558498	NC_021166.1	Ca_kabuli_chr07	29558498	GG	CC	1940411872
SNP_P1_146717_29559155	NC_021166.1	Ca_kabuli_chr07	29559155	TT	GG	1940411873
SNP_P1_146718_29559306	NC_021166.1	Ca_kabuli_chr07	29559306	GG	AA	1940411875
SNP_P1_146719_29560333	NC_021166.1	Ca_kabuli_chr07	29560333	TT	CC	1940411877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146721_29560749	NC_021166.1	Ca_kabuli_chr07	29560749	CC	TT	1940411881
SNP_P1_146722_29560761	NC_021166.1	Ca_kabuli_chr07	29560761	GG	TT	1940411882
SNP_P1_146723_29560873	NC_021166.1	Ca_kabuli_chr07	29560873	GG	TT	1940411884
SNP_P1_146724_29560931	NC_021166.1	Ca_kabuli_chr07	29560931	CC	AA	1940411886
SNP_P1_146725_29561285	NC_021166.1	Ca_kabuli_chr07	29561285	AA	CC	1940411888
SNP_P1_146726_29561338	NC_021166.1	Ca_kabuli_chr07	29561338	TT	GG	1940411890
SNP_P1_146727_29562386	NC_021166.1	Ca_kabuli_chr07	29562386	GG	AA	1940411891
SNP_P1_146728_29562467	NC_021166.1	Ca_kabuli_chr07	29562467	TT	CC	1940411893
SNP_P1_146729_29562701	NC_021166.1	Ca_kabuli_chr07	29562701	AA	GG	1940411895
SNP_P1_146730_29562749	NC_021166.1	Ca_kabuli_chr07	29562749	AA	GG	1940411897
SNP_P1_146731_29564256	NC_021166.1	Ca_kabuli_chr07	29564256	GG	AA	1940411899
SNP_P1_146732_29564262	NC_021166.1	Ca_kabuli_chr07	29564262	GG	AA	1940411900
SNP_P1_146733_29564285	NC_021166.1	Ca_kabuli_chr07	29564285	AA	TT	1940411902
SNP_P1_146734_29564286	NC_021166.1	Ca_kabuli_chr07	29564286	GG	AA	1940411904
SNP_P1_146735_29564289	NC_021166.1	Ca_kabuli_chr07	29564289	CC	TT	1940411906
SNP_P1_146736_29564299	NC_021166.1	Ca_kabuli_chr07	29564299	TT	CC	1940411908
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SNP_P1_146738_29565080	NC_021166.1	Ca_kabuli_chr07	29565080	TT	CC	1940411911
SNP_P1_146739_29565302	NC_021166.1	Ca_kabuli_chr07	29565302	CC	AA	1940411913
SNP_P1_146740_29565910	NC_021166.1	Ca_kabuli_chr07	29565910	GG	AA	1940411915
SNP_P1_146741_29565986	NC_021166.1	Ca_kabuli_chr07	29565986	GG	CC	1940411916
SNP_P1_146742_29567350	NC_021166.1	Ca_kabuli_chr07	29567350	AA	GG	1940411918
SNP_P1_146743_29567718	NC_021166.1	Ca_kabuli_chr07	29567718	AA	GG	1940411920
SNP_P1_146744_29567882	NC_021166.1	Ca_kabuli_chr07	29567882	TT	AA	1940411922
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SNP_P1_146747_29568500	NC_021166.1	Ca_kabuli_chr07	29568500	CC	TT	1940411927
SNP_P1_146748_29568529	NC_021166.1	Ca_kabuli_chr07	29568529	GG	AA	1940411929
SNP_P1_146749_29568729	NC_021166.1	Ca_kabuli_chr07	29568729	TT	CC	1940411931
SNP_P1_146750_29568744	NC_021166.1	Ca_kabuli_chr07	29568744	CC	TT	1940411932
SNP_P1_146751_29569534	NC_021166.1	Ca_kabuli_chr07	29569534	AA	TT	1940411933
SNP_P1_146752_29569704	NC_021166.1	Ca_kabuli_chr07	29569704	AA	GG	1940411935
SNP_P1_146753_29569939	NC_021166.1	Ca_kabuli_chr07	29569939	CC	TT	1940411937
SNP_P1_146754_29569945	NC_021166.1	Ca_kabuli_chr07	29569945	GG	AA	1940411939
SNP_P1_146755_29569961	NC_021166.1	Ca_kabuli_chr07	29569961	GG	CC	1940411941
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SNP_P1_146757_29570044	NC_021166.1	Ca_kabuli_chr07	29570044	AA	CC	1940411944
SNP_P1_146758_29570171	NC_021166.1	Ca_kabuli_chr07	29570171	TT	CC	1940411946
SNP_P1_146759_29570178	NC_021166.1	Ca_kabuli_chr07	29570178	CC	AA	1940411948
SNP_P1_146760_29570266	NC_021166.1	Ca_kabuli_chr07	29570266	TT	AA	1940411950
SNP_P1_146761_29571572	NC_021166.1	Ca_kabuli_chr07	29571572	CC	TT	1940411951

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146763_29571588	NC_021166.1	Ca_kabuli_chr07	29571588	AA	GG	1940411955
SNP_P1_146764_29571628	NC_021166.1	Ca_kabuli_chr07	29571628	GG	TT	1940411957
SNP_P1_146766_29571642	NC_021166.1	Ca_kabuli_chr07	29571642	GG	TT	1940411959
SNP_P1_146767_29571851	NC_021166.1	Ca_kabuli_chr07	29571851	GG	AA	1940411960
SNP_P1_146768_29571879	NC_021166.1	Ca_kabuli_chr07	29571879	TT	CC	1940411962
SNP_P1_146769_29571895	NC_021166.1	Ca_kabuli_chr07	29571895	CC	TT	1940411964
SNP_P1_146770_29572055	NC_021166.1	Ca_kabuli_chr07	29572055	CC	TT	1940411966
SNP_P1_146771_29572068	NC_021166.1	Ca_kabuli_chr07	29572068	TT	CC	1940411968
SNP_P1_146772_29572080	NC_021166.1	Ca_kabuli_chr07	29572080	CC	TT	1940411969
SNP_P1_146773_29572087	NC_021166.1	Ca_kabuli_chr07	29572087	AA	GG	1940411971
SNP_P1_146774_29572094	NC_021166.1	Ca_kabuli_chr07	29572094	CC	TT	1940411973
SNP_P1_146775_29572111	NC_021166.1	Ca_kabuli_chr07	29572111	TT	GG	1940411975
SNP_P1_146776_29572112	NC_021166.1	Ca_kabuli_chr07	29572112	CC	TT	1940411977
SNP_P1_146777_29572148	NC_021166.1	Ca_kabuli_chr07	29572148	CC	TT	1940411978
SNP_P1_146778_29572169	NC_021166.1	Ca_kabuli_chr07	29572169	TT	CC	1940411980
SNP_P1_146779_29572212	NC_021166.1	Ca_kabuli_chr07	29572212	TT	GG	1940411982
SNP_P1_146780_29572221	NC_021166.1	Ca_kabuli_chr07	29572221	TT	GG	1940411984
SNP_P1_146781_29572225	NC_021166.1	Ca_kabuli_chr07	29572225	AA	GG	1940411986
SNP_P1_146783_29572430	NC_021166.1	Ca_kabuli_chr07	29572430	AA	GG	1940411987
SNP_P1_146784_29572431	NC_021166.1	Ca_kabuli_chr07	29572431	CC	TT	1940411989
SNP_P1_146785_29572457	NC_021166.1	Ca_kabuli_chr07	29572457	GG	AA	1940411991
SNP_P1_146786_29572908	NC_021166.1	Ca_kabuli_chr07	29572908	GG	AA	1940411993
SNP_P1_146787_29573122	NC_021166.1	Ca_kabuli_chr07	29573122	CC	AA	1940411994
SNP_P1_146788_29573155	NC_021166.1	Ca_kabuli_chr07	29573155	AA	CC	1940411996
SNP_P1_146789_29573169	NC_021166.1	Ca_kabuli_chr07	29573169	CC	TT	1940411998
SNP_P1_146790_29573176	NC_021166.1	Ca_kabuli_chr07	29573176	TT	CC	1940412000
SNP_P1_146791_29573223	NC_021166.1	Ca_kabuli_chr07	29573223	AA	GG	1940412002
SNP_P1_146792_29573963	NC_021166.1	Ca_kabuli_chr07	29573963	TT	CC	1940412003
SNP_P1_146793_29573996	NC_021166.1	Ca_kabuli_chr07	29573996	AA	TT	1940412005
SNP_P1_146794_29576192	NC_021166.1	Ca_kabuli_chr07	29576192	TT	GG	1940412007
SNP_P1_146795_29576200	NC_021166.1	Ca_kabuli_chr07	29576200	AA	GG	1940412009
SNP_P1_146796_29576202	NC_021166.1	Ca_kabuli_chr07	29576202	CC	GG	1940412011
SNP_P1_146797_29576683	NC_021166.1	Ca_kabuli_chr07	29576683	CC	TT	1940412012
SNP_P1_146798_29576695	NC_021166.1	Ca_kabuli_chr07	29576695	TT	CC	1940412014
SNP_P1_146799_29576707	NC_021166.1	Ca_kabuli_chr07	29576707	AA	GG	1940412016
SNP_P1_146800_29576714	NC_021166.1	Ca_kabuli_chr07	29576714	CC	TT	1940412018
SNP_P1_146801_29576878	NC_021166.1	Ca_kabuli_chr07	29576878	AA	TT	1940412020
SNP_P1_146802_29576892	NC_021166.1	Ca_kabuli_chr07	29576892	CC	TT	1940412021
SNP_P1_146803_29576930	NC_021166.1	Ca_kabuli_chr07	29576930	TT	AA	1940412023
SNP_P1_146804_29576937	NC_021166.1	Ca_kabuli_chr07	29576937	CC	AA	1940412025
SNP_P1_146805_29576966	NC_021166.1	Ca_kabuli_chr07	29576966	CC	TT	1940412027

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146807_29577221	NC_021166.1	Ca_kabuli_chr07	29577221	TT	CC	1940412030
SNP_P1_146808_29577892	NC_021166.1	Ca_kabuli_chr07	29577892	AA	GG	1940412032
SNP_P1_146809_29577903	NC_021166.1	Ca_kabuli_chr07	29577903	TT	CC	1940412034
SNP_P1_146810_29577952	NC_021166.1	Ca_kabuli_chr07	29577952	CC	AA	1940412036
SNP_P1_146811_29578072	NC_021166.1	Ca_kabuli_chr07	29578072	GG	AA	1940412038
SNP_P1_146812_29578170	NC_021166.1	Ca_kabuli_chr07	29578170	TT	CC	1940412039
SNP_P1_146813_29578212	NC_021166.1	Ca_kabuli_chr07	29578212	CC	TT	1940412041
SNP_P1_146814_29578270	NC_021166.1	Ca_kabuli_chr07	29578270	GG	AA	1940412043
SNP_P1_146815_29578289	NC_021166.1	Ca_kabuli_chr07	29578289	TT	CC	1940412045
SNP_P1_146816_29578309	NC_021166.1	Ca_kabuli_chr07	29578309	GG	AA	1940412047
SNP_P1_146817_29578310	NC_021166.1	Ca_kabuli_chr07	29578310	TT	CC	1940412048
SNP_P1_146818_29578330	NC_021166.1	Ca_kabuli_chr07	29578330	CC	TT	1940412050
SNP_P1_146819_29578538	NC_021166.1	Ca_kabuli_chr07	29578538	AA	GG	1940412052
SNP_P1_146820_29578576	NC_021166.1	Ca_kabuli_chr07	29578576	AA	TT	1940412054
SNP_P1_146821_29579097	NC_021166.1	Ca_kabuli_chr07	29579097	CC	TT	1940412056
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SNP_P1_146823_29579602	NC_021166.1	Ca_kabuli_chr07	29579602	GG	AA	1940412059
SNP_P1_146824_29579711	NC_021166.1	Ca_kabuli_chr07	29579711	AA	TT	1940412061
SNP_P1_146825_29579737	NC_021166.1	Ca_kabuli_chr07	29579737	CC	TT	1940412063
SNP_P1_146826_29579898	NC_021166.1	Ca_kabuli_chr07	29579898	CC	AA	1940412065
SNP_P1_146827_29579967	NC_021166.1	Ca_kabuli_chr07	29579967	TT	CC	1940412066
SNP_P1_146828_29580045	NC_021166.1	Ca_kabuli_chr07	29580045	TT	CC	1940412068
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SNP_P1_146830_29580158	NC_021166.1	Ca_kabuli_chr07	29580158	GG	AA	1940412072
SNP_P1_146832_29580419	NC_021166.1	Ca_kabuli_chr07	29580419	CC	TT	1940412074
SNP_P1_146833_29580438	NC_021166.1	Ca_kabuli_chr07	29580438	AA	GG	1940412075
SNP_P1_146834_29580738	NC_021166.1	Ca_kabuli_chr07	29580738	CC	TT	1940412077
SNP_P1_146835_29580750	NC_021166.1	Ca_kabuli_chr07	29580750	GG	AA	1940412079
SNP_P1_146836_29580756	NC_021166.1	Ca_kabuli_chr07	29580756	CC	TT	1940412081
SNP_P1_146837_29580758	NC_021166.1	Ca_kabuli_chr07	29580758	AA	GG	1940412082
SNP_P1_146838_29580763	NC_021166.1	Ca_kabuli_chr07	29580763	AA	TT	1940412084
SNP_P1_146839_29580764	NC_021166.1	Ca_kabuli_chr07	29580764	CC	TT	1940412086
SNP_P1_146840_29580772	NC_021166.1	Ca_kabuli_chr07	29580772	AA	GG	1940412088
SNP_P1_146841_29580791	NC_021166.1	Ca_kabuli_chr07	29580791	AA	TT	1940412090
SNP_P1_146842_29581593	NC_021166.1	Ca_kabuli_chr07	29581593	AA	TT	1940412091
SNP_P1_146843_29581594	NC_021166.1	Ca_kabuli_chr07	29581594	TT	GG	1940412093
SNP_P1_146844_29581607	NC_021166.1	Ca_kabuli_chr07	29581607	GG	AA	1940412095
SNP_P1_146845_29581760	NC_021166.1	Ca_kabuli_chr07	29581760	GG	CC	1940412097
SNP_P1_146846_29581809	NC_021166.1	Ca_kabuli_chr07	29581809	GG	AA	1940412099
SNP_P1_146847_29581912	NC_021166.1	Ca_kabuli_chr07	29581912	GG	AA	1940412100
SNP_P1_146848_29581926	NC_021166.1	Ca_kabuli_chr07	29581926	CC	TT	1940412102

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146851_29582042	NC_021166.1	Ca_kabuli_chr07	29582042	CC	TT	1940412106
SNP_P1_146852_29582047	NC_021166.1	Ca_kabuli_chr07	29582047	AA	TT	1940412108
SNP_P1_146854_29582189	NC_021166.1	Ca_kabuli_chr07	29582189	GG	AA	1940412109
SNP_P1_146856_29583008	NC_021166.1	Ca_kabuli_chr07	29583008	CC	TT	1940412111
SNP_P1_146857_29583947	NC_021166.1	Ca_kabuli_chr07	29583947	GG	AA	1940412113
SNP_P1_146858_29583951	NC_021166.1	Ca_kabuli_chr07	29583951	CC	TT	1940412115
SNP_P1_146860_29584370	NC_021166.1	Ca_kabuli_chr07	29584370	AA	CC	1940412117
SNP_P1_146863_29584963	NC_021166.1	Ca_kabuli_chr07	29584963	AA	GG	1940412118
SNP_P1_146864_29585487	NC_021166.1	Ca_kabuli_chr07	29585487	AA	CC	1940412120
SNP_P1_146865_29585488	NC_021166.1	Ca_kabuli_chr07	29585488	AA	GG	1940412122
SNP_P1_146866_29585493	NC_021166.1	Ca_kabuli_chr07	29585493	TT	AA	1940412124
SNP_P1_146867_29585499	NC_021166.1	Ca_kabuli_chr07	29585499	CC	TT	1940412126
SNP_P1_146868_29587033	NC_021166.1	Ca_kabuli_chr07	29587033	TT	AA	1940412127
SNP_P1_146869_29587180	NC_021166.1	Ca_kabuli_chr07	29587180	TT	AA	1940412129
SNP_P1_146870_29587247	NC_021166.1	Ca_kabuli_chr07	29587247	CC	TT	1940412131
SNP_P1_146872_29593840	NC_021166.1	Ca_kabuli_chr07	29593840	AA	TT	1940412133
SNP_P1_146873_29593875	NC_021166.1	Ca_kabuli_chr07	29593875	GG	AA	1940412135
SNP_P1_146875_29594016	NC_021166.1	Ca_kabuli_chr07	29594016	CC	AA	1940412136
SNP_P1_146876_29594023	NC_021166.1	Ca_kabuli_chr07	29594023	AA	GG	1940412138
SNP_P1_146877_29594809	NC_021166.1	Ca_kabuli_chr07	29594809	AA	GG	1940412140
SNP_P1_146879_29596070	NC_021166.1	Ca_kabuli_chr07	29596070	CC	TT	1940412142
SNP_P1_146880_29596592	NC_021166.1	Ca_kabuli_chr07	29596592	TT	CC	1940412143
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SNP_P1_146883_29596749	NC_021166.1	Ca_kabuli_chr07	29596749	AA	TT	1940412149
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SNP_P1_146885_29598001	NC_021166.1	Ca_kabuli_chr07	29598001	CC	AA	1940412152
SNP_P1_146886_29598115	NC_021166.1	Ca_kabuli_chr07	29598115	TT	CC	1940412154
SNP_P1_146887_29598138	NC_021166.1	Ca_kabuli_chr07	29598138	TT	GG	1940412156
SNP_P1_146889_29599540	NC_021166.1	Ca_kabuli_chr07	29599540	TT	AA	1940412158
SNP_P1_146890_29599671	NC_021166.1	Ca_kabuli_chr07	29599671	AA	GG	1940412160
SNP_P1_146892_29600212	NC_021166.1	Ca_kabuli_chr07	29600212	GG	AA	1940412161
SNP_P1_146893_29600213	NC_021166.1	Ca_kabuli_chr07	29600213	TT	AA	1940412163
SNP_P1_146894_29600335	NC_021166.1	Ca_kabuli_chr07	29600335	AA	CC	1940412165
SNP_P1_146895_29601263	NC_021166.1	Ca_kabuli_chr07	29601263	TT	CC	1940412167
SNP_P1_146896_29601323	NC_021166.1	Ca_kabuli_chr07	29601323	CC	TT	1940412169
SNP_P1_146897_29601755	NC_021166.1	Ca_kabuli_chr07	29601755	GG	AA	1940412170
SNP_P1_146898_29602741	NC_021166.1	Ca_kabuli_chr07	29602741	AA	GG	1940412172
SNP_P1_146900_29605734	NC_021166.1	Ca_kabuli_chr07	29605734	TT	AA	1940412174
SNP_P1_146901_29607179	NC_021166.1	Ca_kabuli_chr07	29607179	GG	AA	1940412176
SNP_P1_146902_29607190	NC_021166.1	Ca_kabuli_chr07	29607190	CC	GG	1940412178

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146905_29609773	NC_021166.1	Ca_kabuli_chr07	29609773	TT	CC	1940412183
SNP_P1_146907_29610046	NC_021166.1	Ca_kabuli_chr07	29610046	AA	GG	1940412185
SNP_P1_146909_29610159	NC_021166.1	Ca_kabuli_chr07	29610159	TT	CC	1940412187
SNP_P1_146910_29610180	NC_021166.1	Ca_kabuli_chr07	29610180	CC	TT	1940412188
SNP_P1_146911_29610208	NC_021166.1	Ca_kabuli_chr07	29610208	TT	AA	1940412190
SNP_P1_146912_29610298	NC_021166.1	Ca_kabuli_chr07	29610298	TT	CC	1940412192
SNP_P1_146913_29610384	NC_021166.1	Ca_kabuli_chr07	29610384	TT	GG	1940412194
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SNP_P1_146915_29613361	NC_021166.1	Ca_kabuli_chr07	29613361	CC	AA	1940412197
SNP_P1_146916_29613768	NC_021166.1	Ca_kabuli_chr07	29613768	TT	CC	1940412199
SNP_P1_146917_29613883	NC_021166.1	Ca_kabuli_chr07	29613883	GG	AA	1940412201
SNP_P1_146918_29613918	NC_021166.1	Ca_kabuli_chr07	29613918	CC	GG	1940412203
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SNP_P1_146921_29615086	NC_021166.1	Ca_kabuli_chr07	29615086	GG	AA	1940412208
SNP_P1_146922_29615155	NC_021166.1	Ca_kabuli_chr07	29615155	TT	GG	1940412210
SNP_P1_146925_29615489	NC_021166.1	Ca_kabuli_chr07	29615489	CC	AA	1940412212
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SNP_P1_146927_29615550	NC_021166.1	Ca_kabuli_chr07	29615550	GG	TT	1940412215
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SNP_P1_146931_29615796	NC_021166.1	Ca_kabuli_chr07	29615796	CC	AA	1940412221
SNP_P1_146932_29616197	NC_021166.1	Ca_kabuli_chr07	29616197	AA	CC	1940412223
SNP_P1_146933_29616735	NC_021166.1	Ca_kabuli_chr07	29616735	GG	TT	1940412224
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SNP_P1_146938_29617348	NC_021166.1	Ca_kabuli_chr07	29617348	AA	GG	1940412230
SNP_P1_146939_29617368	NC_021166.1	Ca_kabuli_chr07	29617368	GG	TT	1940412231
SNP_P1_146940_29617440	NC_021166.1	Ca_kabuli_chr07	29617440	CC	GG	1940412233
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SNP_P1_146943_29617755	NC_021166.1	Ca_kabuli_chr07	29617755	AA	GG	1940412239
SNP_P1_146944_29617819	NC_021166.1	Ca_kabuli_chr07	29617819	CC	AA	1940412240
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SNP_P1_146946_29617967	NC_021166.1	Ca_kabuli_chr07	29617967	AA	GG	1940412244
SNP_P1_146947_29618010	NC_021166.1	Ca_kabuli_chr07	29618010	CC	TT	1940412246
SNP_P1_146948_29618111	NC_021166.1	Ca_kabuli_chr07	29618111	AA	TT	1940412248
SNP_P1_146949_29618147	NC_021166.1	Ca_kabuli_chr07	29618147	CC	TT	1940412249
SNP_P1_146950_29618228	NC_021166.1	Ca_kabuli_chr07	29618228	CC	TT	1940412251
SNP_P1_146951_29618573	NC_021166.1	Ca_kabuli_chr07	29618573	GG	AA	1940412253

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_146955_29631296	NC_021166.1	Ca_kabuli_chr07	29631296	CC	TT	1940412260
SNP_P1_146957_29631555	NC_021166.1	Ca_kabuli_chr07	29631555	AA	TT	1940412262
SNP_P1_146958_29631709	NC_021166.1	Ca_kabuli_chr07	29631709	CC	TT	1940412264
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SNP_P1_146961_29645381	NC_021166.1	Ca_kabuli_chr07	29645381	GG	AA	1940412267
SNP_P1_146962_29645382	NC_021166.1	Ca_kabuli_chr07	29645382	CC	AA	1940412269
SNP_P1_146963_29645412	NC_021166.1	Ca_kabuli_chr07	29645412	AA	GG	1940412271
SNP_P1_146964_29645454	NC_021166.1	Ca_kabuli_chr07	29645454	AA	GG	1940412273
SNP_P1_146965_29645457	NC_021166.1	Ca_kabuli_chr07	29645457	CC	TT	1940412275
SNP_P1_146966_29645532	NC_021166.1	Ca_kabuli_chr07	29645532	AA	GG	1940412276
SNP_P1_146969_29645950	NC_021166.1	Ca_kabuli_chr07	29645950	TT	AA	1940412278
SNP_P1_146970_29645951	NC_021166.1	Ca_kabuli_chr07	29645951	TT	AA	1940412280
SNP_P1_146971_29646308	NC_021166.1	Ca_kabuli_chr07	29646308	AA	TT	1940412282
SNP_P1_146972_29646350	NC_021166.1	Ca_kabuli_chr07	29646350	CC	TT	1940412284
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SNP_P1_146974_29646390	NC_021166.1	Ca_kabuli_chr07	29646390	GG	AA	1940412287
SNP_P1_146975_29646400	NC_021166.1	Ca_kabuli_chr07	29646400	TT	CC	1940412289
SNP_P1_146976_29647099	NC_021166.1	Ca_kabuli_chr07	29647099	TT	CC	1940412291
SNP_P1_146977_29647704	NC_021166.1	Ca_kabuli_chr07	29647704	TT	CC	1940412293
SNP_P1_146981_29649380	NC_021166.1	Ca_kabuli_chr07	29649380	TT	AA	1940412294
SNP_P1_146982_29652546	NC_021166.1	Ca_kabuli_chr07	29652546	CC	TT	1940412296
SNP_P1_146983_29655169	NC_021166.1	Ca_kabuli_chr07	29655169	TT	CC	1940412298
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SNP_P1_146989_29667931	NC_021166.1	Ca_kabuli_chr07	29667931	CC	TT	1940412307
SNP_P1_146990_29668051	NC_021166.1	Ca_kabuli_chr07	29668051	AA	GG	1940412309
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SNP_P1_146993_29668222	NC_021166.1	Ca_kabuli_chr07	29668222	CC	TT	1940412314
SNP_P1_146994_29668601	NC_021166.1	Ca_kabuli_chr07	29668601	GG	AA	1940412316
SNP_P1_146995_29668722	NC_021166.1	Ca_kabuli_chr07	29668722	AA	GG	1940412318
SNP_P1_146996_29668729	NC_021166.1	Ca_kabuli_chr07	29668729	TT	AA	1940412320
SNP_P1_146997_29670484	NC_021166.1	Ca_kabuli_chr07	29670484	TT	CC	1940412321
SNP_P1_146998_29671248	NC_021166.1	Ca_kabuli_chr07	29671248	CC	TT	1940412323
SNP_P1_146999_29671517	NC_021166.1	Ca_kabuli_chr07	29671517	TT	AA	1940412325
SNP_P1_147000_29671522	NC_021166.1	Ca_kabuli_chr07	29671522	GG	AA	1940412327
SNP_P1_147001_29672630	NC_021166.1	Ca_kabuli_chr07	29672630	CC	AA	1940412329

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147004_29672708	NC_021166.1	Ca_kabuli_chr07	29672708	TT	GG	1940412334
SNP_P1_147005_29672710	NC_021166.1	Ca_kabuli_chr07	29672710	CC	TT	1940412336
SNP_P1_147007_29673517	NC_021166.1	Ca_kabuli_chr07	29673517	AA	GG	1940412337
SNP_P1_147008_29673524	NC_021166.1	Ca_kabuli_chr07	29673524	AA	GG	1940412339
SNP_P1_147010_29674513	NC_021166.1	Ca_kabuli_chr07	29674513	AA	GG	1940412341
SNP_P1_147011_29674532	NC_021166.1	Ca_kabuli_chr07	29674532	AA	GG	1940412343
SNP_P1_147012_29674602	NC_021166.1	Ca_kabuli_chr07	29674602	GG	AA	1940412345
SNP_P1_147013_29674772	NC_021166.1	Ca_kabuli_chr07	29674772	GG	AA	1940412346
SNP_P1_147014_29674776	NC_021166.1	Ca_kabuli_chr07	29674776	TT	CC	1940412348
SNP_P1_147015_29674890	NC_021166.1	Ca_kabuli_chr07	29674890	AA	GG	1940412350
SNP_P1_147016_29674974	NC_021166.1	Ca_kabuli_chr07	29674974	AA	TT	1940412352
SNP_P1_147017_29675173	NC_021166.1	Ca_kabuli_chr07	29675173	TT	CC	1940412354
SNP_P1_147018_29675351	NC_021166.1	Ca_kabuli_chr07	29675351	CC	TT	1940412355
SNP_P1_147019_29675378	NC_021166.1	Ca_kabuli_chr07	29675378	AA	GG	1940412357
SNP_P1_147020_29675394	NC_021166.1	Ca_kabuli_chr07	29675394	AA	GG	1940412359
SNP_P1_147021_29675406	NC_021166.1	Ca_kabuli_chr07	29675406	AA	TT	1940412361
SNP_P1_147022_29675508	NC_021166.1	Ca_kabuli_chr07	29675508	AA	GG	1940412363
SNP_P1_147023_29675509	NC_021166.1	Ca_kabuli_chr07	29675509	AA	GG	1940412364
SNP_P1_147024_29675596	NC_021166.1	Ca_kabuli_chr07	29675596	TT	AA	1940412366
SNP_P1_147025_29675878	NC_021166.1	Ca_kabuli_chr07	29675878	GG	AA	1940412368
SNP_P1_147026_29675883	NC_021166.1	Ca_kabuli_chr07	29675883	CC	TT	1940412370
SNP_P1_147027_29675890	NC_021166.1	Ca_kabuli_chr07	29675890	AA	GG	1940412372
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SNP_P1_147030_29683083	NC_021166.1	Ca_kabuli_chr07	29683083	CC	TT	1940412377
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SNP_P1_147033_29687184	NC_021166.1	Ca_kabuli_chr07	29687184	TT	GG	1940412382
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SNP_P1_147037_29690840	NC_021166.1	Ca_kabuli_chr07	29690840	AA	CC	1940412388
SNP_P1_147038_29693981	NC_021166.1	Ca_kabuli_chr07	29693981	CC	AA	1940412390
SNP_P1_147039_29694538	NC_021166.1	Ca_kabuli_chr07	29694538	AA	GG	1940412391
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SNP_P1_147043_29699725	NC_021166.1	Ca_kabuli_chr07	29699725	GG	TT	1940412399
SNP_P1_147044_29699750	NC_021166.1	Ca_kabuli_chr07	29699750	GG	AA	1940412400
SNP_P1_147045_29699848	NC_021166.1	Ca_kabuli_chr07	29699848	TT	GG	1940412402
SNP_P1_147047_29701438	NC_021166.1	Ca_kabuli_chr07	29701438	CC	TT	1940412404

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147049_29702660	NC_021166.1	Ca_kabuli_chr07	29702660	GG	AA	1940412408
SNP_P1_147050_29703231	NC_021166.1	Ca_kabuli_chr07	29703231	AA	GG	1940412409
SNP_P1_147051_29703266	NC_021166.1	Ca_kabuli_chr07	29703266	AA	CC	1940412411
SNP_P1_147052_29703876	NC_021166.1	Ca_kabuli_chr07	29703876	TT	CC	1940412413
SNP_P1_147053_29704127	NC_021166.1	Ca_kabuli_chr07	29704127	GG	CC	1940412415
SNP_P1_147054_29704130	NC_021166.1	Ca_kabuli_chr07	29704130	AA	CC	1940412417
SNP_P1_147055_29704138	NC_021166.1	Ca_kabuli_chr07	29704138	AA	GG	1940412418
SNP_P1_147056_29704423	NC_021166.1	Ca_kabuli_chr07	29704423	TT	CC	1940412420
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SNP_P1_147060_29705987	NC_021166.1	Ca_kabuli_chr07	29705987	TT	CC	1940412427
SNP_P1_147061_29706016	NC_021166.1	Ca_kabuli_chr07	29706016	CC	TT	1940412429
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SNP_P1_147065_29711919	NC_021166.1	Ca_kabuli_chr07	29711919	TT	AA	1940412436
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SNP_P1_147070_29713022	NC_021166.1	Ca_kabuli_chr07	29713022	GG	AA	1940412445
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SNP_P1_147086_29737276	NC_021166.1	Ca_kabuli_chr07	29737276	TT	CC	1940412472
SNP_P1_147087_29737520	NC_021166.1	Ca_kabuli_chr07	29737520	CC	GG	1940412474
SNP_P1_147088_29737539	NC_021166.1	Ca_kabuli_chr07	29737539	AA	GG	1940412476
SNP_P1_147089_29737542	NC_021166.1	Ca_kabuli_chr07	29737542	AA	GG	1940412478
SNP_P1_147090_29737787	NC_021166.1	Ca_kabuli_chr07	29737787	GG	AA	1940412479

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147096_29741456	NC_021166.1	Ca_kabuli_chr07	29741456	TT	CC	1940412487
SNP_P1_147097_29741474	NC_021166.1	Ca_kabuli_chr07	29741474	AA	TT	1940412489
SNP_P1_147098_29742227	NC_021166.1	Ca_kabuli_chr07	29742227	GG	TT	1940412490
SNP_P1_147099_29742259	NC_021166.1	Ca_kabuli_chr07	29742259	CC	GG	1940412492
SNP_P1_147100_29742596	NC_021166.1	Ca_kabuli_chr07	29742596	TT	CC	1940412494
SNP_P1_147101_29743872	NC_021166.1	Ca_kabuli_chr07	29743872	TT	CC	1940412496
SNP_P1_147102_29743883	NC_021166.1	Ca_kabuli_chr07	29743883	GG	TT	1940412497
SNP_P1_147103_29743932	NC_021166.1	Ca_kabuli_chr07	29743932	CC	TT	1940412499
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SNP_P1_147105_29744119	NC_021166.1	Ca_kabuli_chr07	29744119	AA	TT	1940412503
SNP_P1_147107_29744444	NC_021166.1	Ca_kabuli_chr07	29744444	CC	TT	1940412505
SNP_P1_147108_29744453	NC_021166.1	Ca_kabuli_chr07	29744453	AA	GG	1940412506
SNP_P1_147109_29744491	NC_021166.1	Ca_kabuli_chr07	29744491	CC	TT	1940412508
SNP_P1_147110_29744514	NC_021166.1	Ca_kabuli_chr07	29744514	CC	TT	1940412510
SNP_P1_147111_29744779	NC_021166.1	Ca_kabuli_chr07	29744779	AA	GG	1940412512
SNP_P1_147113_29745330	NC_021166.1	Ca_kabuli_chr07	29745330	TT	AA	1940412514
SNP_P1_147117_29752037	NC_021166.1	Ca_kabuli_chr07	29752037	TT	CC	1940412515
SNP_P1_147118_29752715	NC_021166.1	Ca_kabuli_chr07	29752715	CC	TT	1940412517
SNP_P1_147119_29752725	NC_021166.1	Ca_kabuli_chr07	29752725	GG	AA	1940412519
SNP_P1_147120_29753016	NC_021166.1	Ca_kabuli_chr07	29753016	GG	TT	1940412521
SNP_P1_147121_29753017	NC_021166.1	Ca_kabuli_chr07	29753017	TT	CC	1940412523
SNP_P1_147122_29753717	NC_021166.1	Ca_kabuli_chr07	29753717	GG	TT	1940412524
SNP_P1_147123_29753773	NC_021166.1	Ca_kabuli_chr07	29753773	GG	TT	1940412526
SNP_P1_147124_29754054	NC_021166.1	Ca_kabuli_chr07	29754054	CC	AA	1940412528
SNP_P1_147126_29754605	NC_021166.1	Ca_kabuli_chr07	29754605	CC	AA	1940412530
SNP_P1_147127_29754643	NC_021166.1	Ca_kabuli_chr07	29754643	TT	CC	1940412532
SNP_P1_147128_29754947	NC_021166.1	Ca_kabuli_chr07	29754947	CC	TT	1940412533
SNP_P1_147129_29755210	NC_021166.1	Ca_kabuli_chr07	29755210	CC	TT	1940412535
SNP_P1_147130_29755309	NC_021166.1	Ca_kabuli_chr07	29755309	TT	CC	1940412537
SNP_P1_147133_29755450	NC_021166.1	Ca_kabuli_chr07	29755450	TT	CC	1940412539
SNP_P1_147134_29755476	NC_021166.1	Ca_kabuli_chr07	29755476	GG	AA	1940412541
SNP_P1_147135_29755554	NC_021166.1	Ca_kabuli_chr07	29755554	GG	CC	1940412542
SNP_P1_147137_29755790	NC_021166.1	Ca_kabuli_chr07	29755790	AA	TT	1940412544
SNP_P1_147138_29756487	NC_021166.1	Ca_kabuli_chr07	29756487	GG	TT	1940412546
SNP_P1_147139_29757656	NC_021166.1	Ca_kabuli_chr07	29757656	CC	TT	1940412548
SNP_P1_147140_29757995	NC_021166.1	Ca_kabuli_chr07	29757995	CC	TT	1940412550
SNP_P1_147141_29758052	NC_021166.1	Ca_kabuli_chr07	29758052	TT	CC	1940412551
SNP_P1_147143_29758431	NC_021166.1	Ca_kabuli_chr07	29758431	TT	GG	1940412553
SNP_P1_147144_29759152	NC_021166.1	Ca_kabuli_chr07	29759152	TT	AA	1940412555

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147147_29760271	NC_021166.1	Ca_kabuli_chr07	29760271	TT	CC	1940412559
SNP_P1_147148_29760717	NC_021166.1	Ca_kabuli_chr07	29760717	CC	GG	1940412560
SNP_P1_147149_29761101	NC_021166.1	Ca_kabuli_chr07	29761101	AA	TT	1940412562
SNP_P1_147150_29762996	NC_021166.1	Ca_kabuli_chr07	29762996	AA	GG	1940412564
SNP_P1_147151_29763512	NC_021166.1	Ca_kabuli_chr07	29763512	AA	TT	1940412566
SNP_P1_147152_29764386	NC_021166.1	Ca_kabuli_chr07	29764386	GG	AA	1940412568
SNP_P1_147153_29764426	NC_021166.1	Ca_kabuli_chr07	29764426	TT	CC	1940412569
SNP_P1_147154_29764874	NC_021166.1	Ca_kabuli_chr07	29764874	AA	GG	1940412571
SNP_P1_147155_29764948	NC_021166.1	Ca_kabuli_chr07	29764948	TT	GG	1940412573
SNP_P1_147156_29765033	NC_021166.1	Ca_kabuli_chr07	29765033	CC	AA	1940412575
SNP_P1_147157_29765042	NC_021166.1	Ca_kabuli_chr07	29765042	GG	TT	1940412577
SNP_P1_147158_29765043	NC_021166.1	Ca_kabuli_chr07	29765043	CC	TT	1940412578
SNP_P1_147159_29768361	NC_021166.1	Ca_kabuli_chr07	29768361	AA	GG	1940412580
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SNP_P1_147162_29768727	NC_021166.1	Ca_kabuli_chr07	29768727	CC	TT	1940412584
SNP_P1_147164_29769280	NC_021166.1	Ca_kabuli_chr07	29769280	AA	CC	1940412586
SNP_P1_147165_29769374	NC_021166.1	Ca_kabuli_chr07	29769374	TT	GG	1940412587
SNP_P1_147167_29769992	NC_021166.1	Ca_kabuli_chr07	29769992	AA	GG	1940412589
SNP_P1_147168_29770021	NC_021166.1	Ca_kabuli_chr07	29770021	GG	CC	1940412591
SNP_P1_147169_29770711	NC_021166.1	Ca_kabuli_chr07	29770711	CC	AA	1940412593
SNP_P1_147170_29770876	NC_021166.1	Ca_kabuli_chr07	29770876	AA	CC	1940412595
SNP_P1_147172_29771893	NC_021166.1	Ca_kabuli_chr07	29771893	TT	GG	1940412596
SNP_P1_147173_29771921	NC_021166.1	Ca_kabuli_chr07	29771921	AA	GG	1940412598
SNP_P1_147174_29772041	NC_021166.1	Ca_kabuli_chr07	29772041	CC	TT	1940412600
SNP_P1_147175_29772987	NC_021166.1	Ca_kabuli_chr07	29772987	AA	TT	1940412602
SNP_P1_147176_29773057	NC_021166.1	Ca_kabuli_chr07	29773057	CC	AA	1940412603
SNP_P1_147178_29773249	NC_021166.1	Ca_kabuli_chr07	29773249	GG	CC	1940412605
SNP_P1_147179_29773292	NC_021166.1	Ca_kabuli_chr07	29773292	CC	TT	1940412607
SNP_P1_147180_29773351	NC_021166.1	Ca_kabuli_chr07	29773351	GG	CC	1940412609
SNP_P1_147181_29773401	NC_021166.1	Ca_kabuli_chr07	29773401	TT	CC	1940412611
SNP_P1_147182_29773405	NC_021166.1	Ca_kabuli_chr07	29773405	TT	AA	1940412612
SNP_P1_147183_29773442	NC_021166.1	Ca_kabuli_chr07	29773442	AA	CC	1940412614
SNP_P1_147184_29773748	NC_021166.1	Ca_kabuli_chr07	29773748	TT	CC	1940412616
SNP_P1_147186_29773849	NC_021166.1	Ca_kabuli_chr07	29773849	CC	GG	1940412618
SNP_P1_147187_29773853	NC_021166.1	Ca_kabuli_chr07	29773853	CC	TT	1940412620
SNP_P1_147188_29773857	NC_021166.1	Ca_kabuli_chr07	29773857	CC	AA	1940412621
SNP_P1_147189_29774163	NC_021166.1	Ca_kabuli_chr07	29774163	TT	AA	1940412623
SNP_P1_147190_29774214	NC_021166.1	Ca_kabuli_chr07	29774214	AA	GG	1940412625
SNP_P1_147191_29775461	NC_021166.1	Ca_kabuli_chr07	29775461	TT	GG	1940412627
SNP_P1_147192_29775505	NC_021166.1	Ca_kabuli_chr07	29775505	AA	GG	1940412629
SNP_P1_147193_29775660	NC_021166.1	Ca_kabuli_chr07	29775660	TT	CC	1940412630

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147197_29775971	NC_021166.1	Ca_kabuli_chr07	29775971	TT	AA	1940412638
SNP_P1_147198_29775999	NC_021166.1	Ca_kabuli_chr07	29775999	GG	AA	1940412639
SNP_P1_147199_29776003	NC_021166.1	Ca_kabuli_chr07	29776003	GG	TT	1940412641
SNP_P1_147200_29776023	NC_021166.1	Ca_kabuli_chr07	29776023	CC	TT	1940412643
SNP_P1_147202_29776190	NC_021166.1	Ca_kabuli_chr07	29776190	TT	CC	1940412645
SNP_P1_147203_29776201	NC_021166.1	Ca_kabuli_chr07	29776201	AA	GG	1940412647
SNP_P1_147205_29776476	NC_021166.1	Ca_kabuli_chr07	29776476	AA	GG	1940412648
SNP_P1_147206_29776490	NC_021166.1	Ca_kabuli_chr07	29776490	AA	TT	1940412650
SNP_P1_147207_29776973	NC_021166.1	Ca_kabuli_chr07	29776973	TT	CC	1940412652
SNP_P1_147208_29777426	NC_021166.1	Ca_kabuli_chr07	29777426	AA	GG	1940412654
SNP_P1_147209_29777428	NC_021166.1	Ca_kabuli_chr07	29777428	CC	AA	1940412656
SNP_P1_147210_29777429	NC_021166.1	Ca_kabuli_chr07	29777429	TT	GG	1940412657
SNP_P1_147211_29778095	NC_021166.1	Ca_kabuli_chr07	29778095	AA	GG	1940412659
SNP_P1_147212_29778232	NC_021166.1	Ca_kabuli_chr07	29778232	CC	GG	1940412661
SNP_P1_147213_29778233	NC_021166.1	Ca_kabuli_chr07	29778233	TT	AA	1940412663
SNP_P1_147214_29778239	NC_021166.1	Ca_kabuli_chr07	29778239	AA	GG	1940412665
SNP_P1_147215_29778250	NC_021166.1	Ca_kabuli_chr07	29778250	GG	AA	1940412666
SNP_P1_147216_29778276	NC_021166.1	Ca_kabuli_chr07	29778276	AA	CC	1940412668
SNP_P1_147217_29778367	NC_021166.1	Ca_kabuli_chr07	29778367	TT	CC	1940412670
SNP_P1_147218_29778389	NC_021166.1	Ca_kabuli_chr07	29778389	TT	AA	1940412672
SNP_P1_147219_29778390	NC_021166.1	Ca_kabuli_chr07	29778390	AA	GG	1940412674
SNP_P1_147220_29778402	NC_021166.1	Ca_kabuli_chr07	29778402	TT	GG	1940412675
SNP_P1_147221_29778407	NC_021166.1	Ca_kabuli_chr07	29778407	TT	CC	1940412677
SNP_P1_147222_29778497	NC_021166.1	Ca_kabuli_chr07	29778497	CC	TT	1940412679
SNP_P1_147223_29778505	NC_021166.1	Ca_kabuli_chr07	29778505	TT	CC	1940412681
SNP_P1_147224_29778515	NC_021166.1	Ca_kabuli_chr07	29778515	GG	AA	1940412683
SNP_P1_147225_29778718	NC_021166.1	Ca_kabuli_chr07	29778718	TT	CC	1940412684
SNP_P1_147227_29778746	NC_021166.1	Ca_kabuli_chr07	29778746	TT	GG	1940412686
SNP_P1_147228_29778819	NC_021166.1	Ca_kabuli_chr07	29778819	AA	CC	1940412688
SNP_P1_147229_29779037	NC_021166.1	Ca_kabuli_chr07	29779037	AA	CC	1940412690
SNP_P1_147230_29779371	NC_021166.1	Ca_kabuli_chr07	29779371	AA	GG	1940412692
SNP_P1_147231_29779810	NC_021166.1	Ca_kabuli_chr07	29779810	GG	AA	1940412693
SNP_P1_147232_29779814	NC_021166.1	Ca_kabuli_chr07	29779814	TT	GG	1940412695
SNP_P1_147233_29779831	NC_021166.1	Ca_kabuli_chr07	29779831	TT	CC	1940412697
SNP_P1_147234_29779832	NC_021166.1	Ca_kabuli_chr07	29779832	GG	AA	1940412699
SNP_P1_147235_29779837	NC_021166.1	Ca_kabuli_chr07	29779837	GG	AA	1940412701
SNP_P1_147236_29780087	NC_021166.1	Ca_kabuli_chr07	29780087	CC	TT	1940412703
SNP_P1_147237_29780129	NC_021166.1	Ca_kabuli_chr07	29780129	CC	TT	1940412705
SNP_P1_147238_29780341	NC_021166.1	Ca_kabuli_chr07	29780341	AA	GG	1940412706

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147240_29781231	NC_021166.1	Ca_kabuli_chr07	29781231	GG	AA	1940412710
SNP_P1_147241_29781428	NC_021166.1	Ca_kabuli_chr07	29781428	CC	TT	1940412712
SNP_P1_147242_29781519	NC_021166.1	Ca_kabuli_chr07	29781519	AA	GG	1940412714
SNP_P1_147243_29781727	NC_021166.1	Ca_kabuli_chr07	29781727	TT	AA	1940412715
SNP_P1_147244_29781864	NC_021166.1	Ca_kabuli_chr07	29781864	AA	GG	1940412717
SNP_P1_147245_29781940	NC_021166.1	Ca_kabuli_chr07	29781940	AA	GG	1940412719
SNP_P1_147246_29782061	NC_021166.1	Ca_kabuli_chr07	29782061	CC	TT	1940412721
SNP_P1_147247_29783608	NC_021166.1	Ca_kabuli_chr07	29783608	AA	TT	1940412723
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SNP_P1_147249_29784006	NC_021166.1	Ca_kabuli_chr07	29784006	AA	CC	1940412726
SNP_P1_147250_29784066	NC_021166.1	Ca_kabuli_chr07	29784066	GG	AA	1940412728
SNP_P1_147251_29784189	NC_021166.1	Ca_kabuli_chr07	29784189	CC	TT	1940412730
SNP_P1_147252_29784486	NC_021166.1	Ca_kabuli_chr07	29784486	AA	GG	1940412732
SNP_P1_147253_29784620	NC_021166.1	Ca_kabuli_chr07	29784620	CC	TT	1940412733
SNP_P1_147254_29784723	NC_021166.1	Ca_kabuli_chr07	29784723	TT	CC	1940412735
SNP_P1_147255_29784726	NC_021166.1	Ca_kabuli_chr07	29784726	AA	CC	1940412737
SNP_P1_147256_29785066	NC_021166.1	Ca_kabuli_chr07	29785066	AA	GG	1940412739
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SNP_P1_147260_29786743	NC_021166.1	Ca_kabuli_chr07	29786743	TT	CC	1940412742
SNP_P1_147261_29786791	NC_021166.1	Ca_kabuli_chr07	29786791	AA	GG	1940412744
SNP_P1_147264_29787372	NC_021166.1	Ca_kabuli_chr07	29787372	CC	TT	1940412746
SNP_P1_147265_29788151	NC_021166.1	Ca_kabuli_chr07	29788151	TT	AA	1940412748
SNP_P1_147266_29788566	NC_021166.1	Ca_kabuli_chr07	29788566	GG	AA	1940412749
SNP_P1_147268_29789306	NC_021166.1	Ca_kabuli_chr07	29789306	AA	GG	1940412751
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SNP_P1_147273_29790097	NC_021166.1	Ca_kabuli_chr07	29790097	TT	AA	1940412758
SNP_P1_147274_29790134	NC_021166.1	Ca_kabuli_chr07	29790134	AA	GG	1940412760
SNP_P1_147275_29790158	NC_021166.1	Ca_kabuli_chr07	29790158	AA	GG	1940412762
SNP_P1_147276_29790163	NC_021166.1	Ca_kabuli_chr07	29790163	GG	CC	1940412764
SNP_P1_147278_29791490	NC_021166.1	Ca_kabuli_chr07	29791490	GG	AA	1940412766
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SNP_P1_147280_29794840	NC_021166.1	Ca_kabuli_chr07	29794840	CC	GG	1940412769
SNP_P1_147281_29795098	NC_021166.1	Ca_kabuli_chr07	29795098	TT	GG	1940412771
SNP_P1_147282_29795639	NC_021166.1	Ca_kabuli_chr07	29795639	AA	GG	1940412773
SNP_P1_147285_29801148	NC_021166.1	Ca_kabuli_chr07	29801148	AA	GG	1940412775
SNP_P1_147286_29801154	NC_021166.1	Ca_kabuli_chr07	29801154	TT	CC	1940412776
SNP_P1_147287_29801910	NC_021166.1	Ca_kabuli_chr07	29801910	AA	CC	1940412778
SNP_P1_147288_29803184	NC_021166.1	Ca_kabuli_chr07	29803184	GG	AA	1940412780
SNP_P1_147289_29803257	NC_021166.1	Ca_kabuli_chr07	29803257	TT	CC	1940412782

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147292_29803979	NC_021166.1	Ca_kabuli_chr07	29803979	TT	AA	1940412787
SNP_P1_147293_29804395	NC_021166.1	Ca_kabuli_chr07	29804395	AA	TT	1940412789
SNP_P1_147294_29804951	NC_021166.1	Ca_kabuli_chr07	29804951	TT	GG	1940412791
SNP_P1_147296_29805238	NC_021166.1	Ca_kabuli_chr07	29805238	GG	CC	1940412793
SNP_P1_147297_29805239	NC_021166.1	Ca_kabuli_chr07	29805239	TT	GG	1940412794
SNP_P1_147298_29805270	NC_021166.1	Ca_kabuli_chr07	29805270	AA	TT	1940412796
SNP_P1_147299_29805511	NC_021166.1	Ca_kabuli_chr07	29805511	TT	AA	1940412798
SNP_P1_147300_29805527	NC_021166.1	Ca_kabuli_chr07	29805527	CC	AA	1940412800
SNP_P1_147302_29807180	NC_021166.1	Ca_kabuli_chr07	29807180	GG	AA	1940412802
SNP_P1_147304_29807852	NC_021166.1	Ca_kabuli_chr07	29807852	GG	AA	1940412803
SNP_P1_147306_29808847	NC_021166.1	Ca_kabuli_chr07	29808847	TT	CC	1940412805
SNP_P1_147307_29808923	NC_021166.1	Ca_kabuli_chr07	29808923	AA	GG	1940412807
SNP_P1_147308_29809219	NC_021166.1	Ca_kabuli_chr07	29809219	TT	CC	1940412809
SNP_P1_147309_29809240	NC_021166.1	Ca_kabuli_chr07	29809240	GG	CC	1940412811
SNP_P1_147310_29809254	NC_021166.1	Ca_kabuli_chr07	29809254	TT	CC	1940412812
SNP_P1_147311_29810276	NC_021166.1	Ca_kabuli_chr07	29810276	AA	GG	1940412814
SNP_P1_147312_29810687	NC_021166.1	Ca_kabuli_chr07	29810687	GG	AA	1940412816
SNP_P1_147314_29812023	NC_021166.1	Ca_kabuli_chr07	29812023	AA	GG	1940412818
SNP_P1_147315_29812099	NC_021166.1	Ca_kabuli_chr07	29812099	CC	AA	1940412820
SNP_P1_147316_29812146	NC_021166.1	Ca_kabuli_chr07	29812146	AA	GG	1940412821
SNP_P1_147317_29812186	NC_021166.1	Ca_kabuli_chr07	29812186	GG	AA	1940412823
SNP_P1_147318_29812207	NC_021166.1	Ca_kabuli_chr07	29812207	GG	AA	1940412825
SNP_P1_147319_29812438	NC_021166.1	Ca_kabuli_chr07	29812438	AA	TT	1940412827
SNP_P1_147321_29813430	NC_021166.1	Ca_kabuli_chr07	29813430	TT	AA	1940412829
SNP_P1_147322_29813555	NC_021166.1	Ca_kabuli_chr07	29813555	AA	GG	1940412830
SNP_P1_147323_29813714	NC_021166.1	Ca_kabuli_chr07	29813714	AA	GG	1940412832
SNP_P1_147324_29813724	NC_021166.1	Ca_kabuli_chr07	29813724	GG	AA	1940412834
SNP_P1_147325_29813746	NC_021166.1	Ca_kabuli_chr07	29813746	GG	TT	1940412836
SNP_P1_147326_29813755	NC_021166.1	Ca_kabuli_chr07	29813755	GG	AA	1940412838
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SNP_P1_147328_29813796	NC_021166.1	Ca_kabuli_chr07	29813796	AA	GG	1940412841
SNP_P1_147329_29814239	NC_021166.1	Ca_kabuli_chr07	29814239	AA	TT	1940412843
SNP_P1_147330_29814656	NC_021166.1	Ca_kabuli_chr07	29814656	AA	TT	1940412845
SNP_P1_147332_29815481	NC_021166.1	Ca_kabuli_chr07	29815481	TT	AA	1940412847
SNP_P1_147333_29816492	NC_021166.1	Ca_kabuli_chr07	29816492	CC	GG	1940412848
SNP_P1_147334_29816808	NC_021166.1	Ca_kabuli_chr07	29816808	TT	AA	1940412850
SNP_P1_147335_29818875	NC_021166.1	Ca_kabuli_chr07	29818875	GG	AA	1940412852
SNP_P1_147336_29818879	NC_021166.1	Ca_kabuli_chr07	29818879	TT	CC	1940412854
SNP_P1_147337_29818890	NC_021166.1	Ca_kabuli_chr07	29818890	AA	GG	1940412855
SNP_P1_147338_29820844	NC_021166.1	Ca_kabuli_chr07	29820844	GG	AA	1940412857

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147340_29820854	NC_021166.1	Ca_kabuli_chr07	29820854	AA	GG	1940412861
SNP_P1_147341_29822605	NC_021166.1	Ca_kabuli_chr07	29822605	GG	AA	1940412863
SNP_P1_147342_29822839	NC_021166.1	Ca_kabuli_chr07	29822839	TT	CC	1940412864
SNP_P1_147343_29822862	NC_021166.1	Ca_kabuli_chr07	29822862	CC	AA	1940412866
SNP_P1_147344_29822906	NC_021166.1	Ca_kabuli_chr07	29822906	TT	AA	1940412868
SNP_P1_147345_29822913	NC_021166.1	Ca_kabuli_chr07	29822913	AA	CC	1940412870
SNP_P1_147346_29822927	NC_021166.1	Ca_kabuli_chr07	29822927	AA	GG	1940412872
SNP_P1_147347_29822928	NC_021166.1	Ca_kabuli_chr07	29822928	AA	GG	1940412873
SNP_P1_147348_29822951	NC_021166.1	Ca_kabuli_chr07	29822951	GG	AA	1940412875
SNP_P1_147349_29823034	NC_021166.1	Ca_kabuli_chr07	29823034	GG	AA	1940412877
SNP_P1_147350_29823215	NC_021166.1	Ca_kabuli_chr07	29823215	CC	TT	1940412879
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SNP_P1_147352_29824023	NC_021166.1	Ca_kabuli_chr07	29824023	TT	AA	1940412882
SNP_P1_147353_29824024	NC_021166.1	Ca_kabuli_chr07	29824024	CC	TT	1940412884
SNP_P1_147354_29824044	NC_021166.1	Ca_kabuli_chr07	29824044	AA	CC	1940412886
SNP_P1_147355_29824541	NC_021166.1	Ca_kabuli_chr07	29824541	CC	AA	1940412888
SNP_P1_147356_29824852	NC_021166.1	Ca_kabuli_chr07	29824852	AA	GG	1940412890
SNP_P1_147357_29825238	NC_021166.1	Ca_kabuli_chr07	29825238	GG	TT	1940412891
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SNP_P1_147360_29825473	NC_021166.1	Ca_kabuli_chr07	29825473	CC	GG	1940412897
SNP_P1_147361_29825482	NC_021166.1	Ca_kabuli_chr07	29825482	CC	TT	1940412899
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SNP_P1_147363_29826372	NC_021166.1	Ca_kabuli_chr07	29826372	TT	CC	1940412902
SNP_P1_147364_29826609	NC_021166.1	Ca_kabuli_chr07	29826609	GG	CC	1940412904
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SNP_P1_147372_29835891	NC_021166.1	Ca_kabuli_chr07	29835891	TT	CC	1940412913
SNP_P1_147373_29835899	NC_021166.1	Ca_kabuli_chr07	29835899	GG	AA	1940412915
SNP_P1_147374_29835901	NC_021166.1	Ca_kabuli_chr07	29835901	CC	TT	1940412917
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SNP_P1_147376_29836057	NC_021166.1	Ca_kabuli_chr07	29836057	GG	AA	1940412920
SNP_P1_147377_29836104	NC_021166.1	Ca_kabuli_chr07	29836104	AA	GG	1940412922
SNP_P1_147378_29836635	NC_021166.1	Ca_kabuli_chr07	29836635	TT	CC	1940412924
SNP_P1_147379_29837117	NC_021166.1	Ca_kabuli_chr07	29837117	AA	GG	1940412926
SNP_P1_147380_29837739	NC_021166.1	Ca_kabuli_chr07	29837739	AA	GG	1940412927
SNP_P1_147381_29839580	NC_021166.1	Ca_kabuli_chr07	29839580	TT	AA	1940412929
SNP_P1_147382_29839635	NC_021166.1	Ca_kabuli_chr07	29839635	CC	AA	1940412931
SNP_P1_147383_29839969	NC_021166.1	Ca_kabuli_chr07	29839969	GG	CC	1940412933

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147386_29840146	NC_021166.1	Ca_kabuli_chr07	29840146	AA	TT	1940412938
SNP_P1_147387_29840153	NC_021166.1	Ca_kabuli_chr07	29840153	TT	AA	1940412940
SNP_P1_147388_29840183	NC_021166.1	Ca_kabuli_chr07	29840183	AA	CC	1940412942
SNP_P1_147389_29840547	NC_021166.1	Ca_kabuli_chr07	29840547	CC	AA	1940412944
SNP_P1_147390_29840564	NC_021166.1	Ca_kabuli_chr07	29840564	TT	AA	1940412945
SNP_P1_147391_29840579	NC_021166.1	Ca_kabuli_chr07	29840579	CC	TT	1940412947
SNP_P1_147392_29840669	NC_021166.1	Ca_kabuli_chr07	29840669	GG	AA	1940412949
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SNP_P1_147394_29841302	NC_021166.1	Ca_kabuli_chr07	29841302	AA	GG	1940412953
SNP_P1_147396_29842271	NC_021166.1	Ca_kabuli_chr07	29842271	AA	TT	1940412954
SNP_P1_147397_29842991	NC_021166.1	Ca_kabuli_chr07	29842991	TT	CC	1940412956
SNP_P1_147398_29843267	NC_021166.1	Ca_kabuli_chr07	29843267	GG	AA	1940412958
SNP_P1_147399_29843268	NC_021166.1	Ca_kabuli_chr07	29843268	TT	AA	1940412960
SNP_P1_147401_29844102	NC_021166.1	Ca_kabuli_chr07	29844102	GG	TT	1940412962
SNP_P1_147402_29844501	NC_021166.1	Ca_kabuli_chr07	29844501	TT	CC	1940412963
SNP_P1_147403_29844753	NC_021166.1	Ca_kabuli_chr07	29844753	CC	TT	1940412965
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SNP_P1_147409_29850938	NC_021166.1	Ca_kabuli_chr07	29850938	CC	AA	1940412972
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SNP_P1_147411_29851289	NC_021166.1	Ca_kabuli_chr07	29851289	AA	TT	1940412976
SNP_P1_147412_29852531	NC_021166.1	Ca_kabuli_chr07	29852531	TT	CC	1940412978
SNP_P1_147414_29852708	NC_021166.1	Ca_kabuli_chr07	29852708	GG	TT	1940412979
SNP_P1_147415_29852710	NC_021166.1	Ca_kabuli_chr07	29852710	TT	GG	1940412981
SNP_P1_147419_29853234	NC_021166.1	Ca_kabuli_chr07	29853234	TT	CC	1940412983
SNP_P1_147420_29854099	NC_021166.1	Ca_kabuli_chr07	29854099	GG	CC	1940412985
SNP_P1_147421_29854120	NC_021166.1	Ca_kabuli_chr07	29854120	GG	AA	1940412987
SNP_P1_147422_29854123	NC_021166.1	Ca_kabuli_chr07	29854123	GG	AA	1940412988
SNP_P1_147423_29854130	NC_021166.1	Ca_kabuli_chr07	29854130	AA	GG	1940412990
SNP_P1_147424_29854287	NC_021166.1	Ca_kabuli_chr07	29854287	GG	AA	1940412992
SNP_P1_147425_29854306	NC_021166.1	Ca_kabuli_chr07	29854306	GG	TT	1940412994
SNP_P1_147426_29854325	NC_021166.1	Ca_kabuli_chr07	29854325	AA	CC	1940412995
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SNP_P1_147428_29854387	NC_021166.1	Ca_kabuli_chr07	29854387	GG	AA	1940412999
SNP_P1_147429_29854392	NC_021166.1	Ca_kabuli_chr07	29854392	AA	GG	1940413001
SNP_P1_147430_29854651	NC_021166.1	Ca_kabuli_chr07	29854651	TT	CC	1940413002
SNP_P1_147431_29854818	NC_021166.1	Ca_kabuli_chr07	29854818	GG	AA	1940413004
SNP_P1_147432_29855801	NC_021166.1	Ca_kabuli_chr07	29855801	GG	TT	1940413006
SNP_P1_147434_29855884	NC_021166.1	Ca_kabuli_chr07	29855884	GG	AA	1940413008

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147439_29856416	NC_021166.1	Ca_kabuli_chr07	29856416	GG	AA	1940413011
SNP_P1_147440_29856440	NC_021166.1	Ca_kabuli_chr07	29856440	GG	TT	1940413013
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SNP_P1_147442_29856479	NC_021166.1	Ca_kabuli_chr07	29856479	TT	GG	1940413017
SNP_P1_147443_29856736	NC_021166.1	Ca_kabuli_chr07	29856736	AA	GG	1940413019
SNP_P1_147445_29856912	NC_021166.1	Ca_kabuli_chr07	29856912	TT	AA	1940413020
SNP_P1_147446_29857091	NC_021166.1	Ca_kabuli_chr07	29857091	CC	TT	1940413022
SNP_P1_147448_29859533	NC_021166.1	Ca_kabuli_chr07	29859533	TT	GG	1940413024
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SNP_P1_147475_29865696	NC_021166.1	Ca_kabuli_chr07	29865696	TT	AA	1940413065
SNP_P1_147477_29866263	NC_021166.1	Ca_kabuli_chr07	29866263	TT	CC	1940413067
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SNP_P1_147485_29866905	NC_021166.1	Ca_kabuli_chr07	29866905	CC	TT	1940413080
SNP_P1_147487_29867158	NC_021166.1	Ca_kabuli_chr07	29867158	AA	GG	1940413081
SNP_P1_147488_29867163	NC_021166.1	Ca_kabuli_chr07	29867163	TT	GG	1940413083

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147493_29867499	NC_021166.1	Ca_kabuli_chr07	29867499	CC	TT	1940413090
SNP_P1_147495_29867872	NC_021166.1	Ca_kabuli_chr07	29867872	GG	AA	1940413092
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SNP_P1_147499_29868390	NC_021166.1	Ca_kabuli_chr07	29868390	TT	CC	1940413098
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SNP_P1_147511_29871829	NC_021166.1	Ca_kabuli_chr07	29871829	GG	TT	1940413117
SNP_P1_147512_29871910	NC_021166.1	Ca_kabuli_chr07	29871910	AA	GG	1940413119
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SNP_P1_147514_29871951	NC_021166.1	Ca_kabuli_chr07	29871951	AA	TT	1940413123
SNP_P1_147515_29871952	NC_021166.1	Ca_kabuli_chr07	29871952	CC	TT	1940413125
SNP_P1_147516_29871962	NC_021166.1	Ca_kabuli_chr07	29871962	CC	TT	1940413126
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SNP_P1_147522_29885144	NC_021166.1	Ca_kabuli_chr07	29885144	TT	AA	1940413135
SNP_P1_147523_29885153	NC_021166.1	Ca_kabuli_chr07	29885153	CC	GG	1940413137
SNP_P1_147524_29889251	NC_021166.1	Ca_kabuli_chr07	29889251	TT	GG	1940413139
SNP_P1_147525_29889277	NC_021166.1	Ca_kabuli_chr07	29889277	TT	AA	1940413141
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SNP_P1_147529_29895112	NC_021166.1	Ca_kabuli_chr07	29895112	CC	TT	1940413148
SNP_P1_147530_29895121	NC_021166.1	Ca_kabuli_chr07	29895121	TT	AA	1940413150
SNP_P1_147531_29895142	NC_021166.1	Ca_kabuli_chr07	29895142	AA	GG	1940413151
SNP_P1_147532_29895143	NC_021166.1	Ca_kabuli_chr07	29895143	GG	TT	1940413153
SNP_P1_147533_29895336	NC_021166.1	Ca_kabuli_chr07	29895336	TT	GG	1940413155
SNP_P1_147534_29895353	NC_021166.1	Ca_kabuli_chr07	29895353	GG	CC	1940413157
SNP_P1_147535_29895501	NC_021166.1	Ca_kabuli_chr07	29895501	CC	TT	1940413159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147538_29895773	NC_021166.1	Ca_kabuli_chr07	29895773	AA	CC	1940413162
SNP_P1_147539_29896916	NC_021166.1	Ca_kabuli_chr07	29896916	CC	TT	1940413164
SNP_P1_147540_29897162	NC_021166.1	Ca_kabuli_chr07	29897162	TT	CC	1940413166
SNP_P1_147542_29897191	NC_021166.1	Ca_kabuli_chr07	29897191	CC	TT	1940413168
SNP_P1_147543_29897235	NC_021166.1	Ca_kabuli_chr07	29897235	CC	TT	1940413169
SNP_P1_147544_29897251	NC_021166.1	Ca_kabuli_chr07	29897251	TT	CC	1940413171
SNP_P1_147545_29897444	NC_021166.1	Ca_kabuli_chr07	29897444	TT	CC	1940413173
SNP_P1_147546_29897460	NC_021166.1	Ca_kabuli_chr07	29897460	AA	GG	1940413175
SNP_P1_147547_29897465	NC_021166.1	Ca_kabuli_chr07	29897465	AA	GG	1940413177
SNP_P1_147548_29898477	NC_021166.1	Ca_kabuli_chr07	29898477	AA	GG	1940413178
SNP_P1_147549_29899086	NC_021166.1	Ca_kabuli_chr07	29899086	TT	CC	1940413180
SNP_P1_147550_29899168	NC_021166.1	Ca_kabuli_chr07	29899168	TT	CC	1940413182
SNP_P1_147551_29899912	NC_021166.1	Ca_kabuli_chr07	29899912	AA	GG	1940413184
SNP_P1_147553_29901165	NC_021166.1	Ca_kabuli_chr07	29901165	GG	CC	1940413186
SNP_P1_147555_29904292	NC_021166.1	Ca_kabuli_chr07	29904292	AA	TT	1940413187
SNP_P1_147556_29904460	NC_021166.1	Ca_kabuli_chr07	29904460	AA	GG	1940413189
SNP_P1_147557_29904466	NC_021166.1	Ca_kabuli_chr07	29904466	GG	AA	1940413191
SNP_P1_147558_29904641	NC_021166.1	Ca_kabuli_chr07	29904641	AA	TT	1940413193
SNP_P1_147559_29905705	NC_021166.1	Ca_kabuli_chr07	29905705	GG	TT	1940413195
SNP_P1_147560_29905712	NC_021166.1	Ca_kabuli_chr07	29905712	TT	CC	1940413196
SNP_P1_147561_29906026	NC_021166.1	Ca_kabuli_chr07	29906026	GG	AA	1940413198
SNP_P1_147562_29906060	NC_021166.1	Ca_kabuli_chr07	29906060	CC	TT	1940413200
SNP_P1_147563_29906077	NC_021166.1	Ca_kabuli_chr07	29906077	TT	CC	1940413202
SNP_P1_147564_29906094	NC_021166.1	Ca_kabuli_chr07	29906094	CC	TT	1940413204
SNP_P1_147565_29906101	NC_021166.1	Ca_kabuli_chr07	29906101	TT	CC	1940413205
SNP_P1_147566_29906111	NC_021166.1	Ca_kabuli_chr07	29906111	GG	AA	1940413207
SNP_P1_147567_29906324	NC_021166.1	Ca_kabuli_chr07	29906324	AA	TT	1940413209
SNP_P1_147568_29906370	NC_021166.1	Ca_kabuli_chr07	29906370	AA	CC	1940413211
SNP_P1_147569_29906462	NC_021166.1	Ca_kabuli_chr07	29906462	GG	AA	1940413213
SNP_P1_147570_29906480	NC_021166.1	Ca_kabuli_chr07	29906480	GG	TT	1940413214
SNP_P1_147571_29906520	NC_021166.1	Ca_kabuli_chr07	29906520	GG	AA	1940413216
SNP_P1_147572_29906563	NC_021166.1	Ca_kabuli_chr07	29906563	TT	AA	1940413218
SNP_P1_147573_29906676	NC_021166.1	Ca_kabuli_chr07	29906676	CC	TT	1940413220
SNP_P1_147575_29919959	NC_021166.1	Ca_kabuli_chr07	29919959	TT	CC	1940413222
SNP_P1_147576_29920653	NC_021166.1	Ca_kabuli_chr07	29920653	CC	TT	1940413223
SNP_P1_147577_29921054	NC_021166.1	Ca_kabuli_chr07	29921054	TT	AA	1940413225
SNP_P1_147578_29921396	NC_021166.1	Ca_kabuli_chr07	29921396	TT	CC	1940413227
SNP_P1_147579_29921474	NC_021166.1	Ca_kabuli_chr07	29921474	AA	CC	1940413229
SNP_P1_147580_29921496	NC_021166.1	Ca_kabuli_chr07	29921496	AA	GG	1940413231
SNP_P1_147581_29921786	NC_021166.1	Ca_kabuli_chr07	29921786	GG	TT	1940413232
SNP_P1_147582_29922701	NC_021166.1	Ca_kabuli_chr07	29922701	AA	GG	1940413234

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147584_29922735	NC_021166.1	Ca_kabuli_chr07	29922735	GG	AA	1940413238
SNP_P1_147585_29922745	NC_021166.1	Ca_kabuli_chr07	29922745	GG	TT	1940413240
SNP_P1_147586_29923120	NC_021166.1	Ca_kabuli_chr07	29923120	TT	CC	1940413241
SNP_P1_147587_29923137	NC_021166.1	Ca_kabuli_chr07	29923137	TT	CC	1940413243
SNP_P1_147588_29923151	NC_021166.1	Ca_kabuli_chr07	29923151	AA	TT	1940413245
SNP_P1_147589_29923370	NC_021166.1	Ca_kabuli_chr07	29923370	AA	GG	1940413247
SNP_P1_147590_29923429	NC_021166.1	Ca_kabuli_chr07	29923429	TT	CC	1940413249
SNP_P1_147591_29923457	NC_021166.1	Ca_kabuli_chr07	29923457	GG	AA	1940413250
SNP_P1_147592_29923657	NC_021166.1	Ca_kabuli_chr07	29923657	CC	AA	1940413252
SNP_P1_147593_29923760	NC_021166.1	Ca_kabuli_chr07	29923760	CC	TT	1940413254
SNP_P1_147594_29923764	NC_021166.1	Ca_kabuli_chr07	29923764	AA	GG	1940413256
SNP_P1_147595_29923768	NC_021166.1	Ca_kabuli_chr07	29923768	GG	AA	1940413258
SNP_P1_147596_29923869	NC_021166.1	Ca_kabuli_chr07	29923869	TT	GG	1940413259
SNP_P1_147597_29924003	NC_021166.1	Ca_kabuli_chr07	29924003	CC	GG	1940413261
SNP_P1_147598_29924014	NC_021166.1	Ca_kabuli_chr07	29924014	GG	AA	1940413263
SNP_P1_147599_29924410	NC_021166.1	Ca_kabuli_chr07	29924410	CC	TT	1940413265
SNP_P1_147600_29924747	NC_021166.1	Ca_kabuli_chr07	29924747	GG	AA	1940413267
SNP_P1_147601_29928474	NC_021166.1	Ca_kabuli_chr07	29928474	CC	AA	1940413268
SNP_P1_147602_29928689	NC_021166.1	Ca_kabuli_chr07	29928689	AA	GG	1940413270
SNP_P1_147603_29929668	NC_021166.1	Ca_kabuli_chr07	29929668	GG	AA	1940413272
SNP_P1_147604_29929745	NC_021166.1	Ca_kabuli_chr07	29929745	CC	AA	1940413274
SNP_P1_147605_29929916	NC_021166.1	Ca_kabuli_chr07	29929916	TT	GG	1940413276
SNP_P1_147606_29929945	NC_021166.1	Ca_kabuli_chr07	29929945	GG	TT	1940413277
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SNP_P1_147609_29935347	NC_021166.1	Ca_kabuli_chr07	29935347	AA	TT	1940413283
SNP_P1_147610_29935696	NC_021166.1	Ca_kabuli_chr07	29935696	CC	TT	1940413285
SNP_P1_147611_29935706	NC_021166.1	Ca_kabuli_chr07	29935706	CC	TT	1940413286
SNP_P1_147612_29935726	NC_021166.1	Ca_kabuli_chr07	29935726	GG	AA	1940413288
SNP_P1_147613_29937389	NC_021166.1	Ca_kabuli_chr07	29937389	GG	TT	1940413290
SNP_P1_147614_29937536	NC_021166.1	Ca_kabuli_chr07	29937536	AA	TT	1940413292
SNP_P1_147615_29937600	NC_021166.1	Ca_kabuli_chr07	29937600	AA	CC	1940413294
SNP_P1_147616_29937682	NC_021166.1	Ca_kabuli_chr07	29937682	GG	TT	1940413295
SNP_P1_147617_29938295	NC_021166.1	Ca_kabuli_chr07	29938295	AA	GG	1940413297
SNP_P1_147618_29938296	NC_021166.1	Ca_kabuli_chr07	29938296	GG	AA	1940413299
SNP_P1_147619_29938303	NC_021166.1	Ca_kabuli_chr07	29938303	AA	GG	1940413301
SNP_P1_147620_29938352	NC_021166.1	Ca_kabuli_chr07	29938352	TT	CC	1940413303
SNP_P1_147621_29938531	NC_021166.1	Ca_kabuli_chr07	29938531	GG	TT	1940413304
SNP_P1_147622_29938598	NC_021166.1	Ca_kabuli_chr07	29938598	AA	CC	1940413306
SNP_P1_147623_29938638	NC_021166.1	Ca_kabuli_chr07	29938638	TT	AA	1940413308
SNP_P1_147624_29938653	NC_021166.1	Ca_kabuli_chr07	29938653	GG	TT	1940413310

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147626_29938789	NC_021166.1	Ca_kabuli_chr07	29938789	TT	CC	1940413313
SNP_P1_147627_29938832	NC_021166.1	Ca_kabuli_chr07	29938832	AA	GG	1940413315
SNP_P1_147628_29938882	NC_021166.1	Ca_kabuli_chr07	29938882	GG	CC	1940413317
SNP_P1_147629_29939025	NC_021166.1	Ca_kabuli_chr07	29939025	AA	CC	1940413319
SNP_P1_147630_29939075	NC_021166.1	Ca_kabuli_chr07	29939075	CC	TT	1940413321
SNP_P1_147631_29939138	NC_021166.1	Ca_kabuli_chr07	29939138	TT	GG	1940413322
SNP_P1_147632_29939141	NC_021166.1	Ca_kabuli_chr07	29939141	AA	TT	1940413324
SNP_P1_147633_29939146	NC_021166.1	Ca_kabuli_chr07	29939146	TT	CC	1940413326
SNP_P1_147634_29939192	NC_021166.1	Ca_kabuli_chr07	29939192	GG	AA	1940413328
SNP_P1_147635_29939238	NC_021166.1	Ca_kabuli_chr07	29939238	TT	GG	1940413330
SNP_P1_147636_29939297	NC_021166.1	Ca_kabuli_chr07	29939297	TT	CC	1940413331
SNP_P1_147637_29939298	NC_021166.1	Ca_kabuli_chr07	29939298	GG	AA	1940413333
SNP_P1_147638_29939440	NC_021166.1	Ca_kabuli_chr07	29939440	GG	CC	1940413335
SNP_P1_147639_29939450	NC_021166.1	Ca_kabuli_chr07	29939450	CC	TT	1940413337
SNP_P1_147640_29939536	NC_021166.1	Ca_kabuli_chr07	29939536	CC	TT	1940413339
SNP_P1_147641_29939537	NC_021166.1	Ca_kabuli_chr07	29939537	AA	GG	1940413340
SNP_P1_147642_29939591	NC_021166.1	Ca_kabuli_chr07	29939591	GG	AA	1940413342
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SNP_P1_147654_29940114	NC_021166.1	Ca_kabuli_chr07	29940114	GG	CC	1940413364
SNP_P1_147655_29940117	NC_021166.1	Ca_kabuli_chr07	29940117	CC	TT	1940413365
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SNP_P1_147657_29940139	NC_021166.1	Ca_kabuli_chr07	29940139	AA	CC	1940413369
SNP_P1_147658_29940183	NC_021166.1	Ca_kabuli_chr07	29940183	GG	AA	1940413371
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SNP_P1_147660_29940217	NC_021166.1	Ca_kabuli_chr07	29940217	CC	AA	1940413374
SNP_P1_147661_29940241	NC_021166.1	Ca_kabuli_chr07	29940241	AA	GG	1940413376
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SNP_P1_147664_29940671	NC_021166.1	Ca_kabuli_chr07	29940671	TT	AA	1940413382
SNP_P1_147665_29940722	NC_021166.1	Ca_kabuli_chr07	29940722	AA	GG	1940413383
SNP_P1_147666_29940943	NC_021166.1	Ca_kabuli_chr07	29940943	CC	TT	1940413385

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147668_29940955	NC_021166.1	Ca_kabuli_chr07	29940955	AA	GG	1940413389
SNP_P1_147669_29940990	NC_021166.1	Ca_kabuli_chr07	29940990	GG	TT	1940413391
SNP_P1_147670_29940992	NC_021166.1	Ca_kabuli_chr07	29940992	CC	TT	1940413392
SNP_P1_147671_29940999	NC_021166.1	Ca_kabuli_chr07	29940999	TT	GG	1940413394
SNP_P1_147672_29941377	NC_021166.1	Ca_kabuli_chr07	29941377	TT	CC	1940413396
SNP_P1_147673_29941407	NC_021166.1	Ca_kabuli_chr07	29941407	AA	CC	1940413398
SNP_P1_147674_29941764	NC_021166.1	Ca_kabuli_chr07	29941764	AA	GG	1940413400
SNP_P1_147675_29946087	NC_021166.1	Ca_kabuli_chr07	29946087	GG	AA	1940413401
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SNP_P1_147681_29946318	NC_021166.1	Ca_kabuli_chr07	29946318	AA	GG	1940413412
SNP_P1_147682_29946331	NC_021166.1	Ca_kabuli_chr07	29946331	GG	AA	1940413414
SNP_P1_147683_29946447	NC_021166.1	Ca_kabuli_chr07	29946447	CC	AA	1940413416
SNP_P1_147684_29946457	NC_021166.1	Ca_kabuli_chr07	29946457	GG	AA	1940413418
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SNP_P1_147696_29947147	NC_021166.1	Ca_kabuli_chr07	29947147	TT	CC	1940413439
SNP_P1_147698_29947632	NC_021166.1	Ca_kabuli_chr07	29947632	AA	TT	1940413441
SNP_P1_147699_29947635	NC_021166.1	Ca_kabuli_chr07	29947635	GG	AA	1940413443
SNP_P1_147700_29947657	NC_021166.1	Ca_kabuli_chr07	29947657	CC	AA	1940413445
SNP_P1_147701_29947669	NC_021166.1	Ca_kabuli_chr07	29947669	GG	AA	1940413446
SNP_P1_147702_29947675	NC_021166.1	Ca_kabuli_chr07	29947675	CC	TT	1940413448
SNP_P1_147703_29947680	NC_021166.1	Ca_kabuli_chr07	29947680	CC	TT	1940413450
SNP_P1_147704_29947692	NC_021166.1	Ca_kabuli_chr07	29947692	AA	GG	1940413452
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SNP_P1_147709_29948164	NC_021166.1	Ca_kabuli_chr07	29948164	GG	AA	1940413455
SNP_P1_147710_29948198	NC_021166.1	Ca_kabuli_chr07	29948198	GG	AA	1940413457
SNP_P1_147711_29948237	NC_021166.1	Ca_kabuli_chr07	29948237	CC	TT	1940413459
SNP_P1_147712_29948470	NC_021166.1	Ca_kabuli_chr07	29948470	CC	TT	1940413461

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147715_29949449	NC_021166.1	Ca_kabuli_chr07	29949449	AA	GG	1940413466
SNP_P1_147716_29949477	NC_021166.1	Ca_kabuli_chr07	29949477	CC	TT	1940413468
SNP_P1_147717_29949485	NC_021166.1	Ca_kabuli_chr07	29949485	TT	GG	1940413470
SNP_P1_147718_29949488	NC_021166.1	Ca_kabuli_chr07	29949488	GG	AA	1940413472
SNP_P1_147719_29949719	NC_021166.1	Ca_kabuli_chr07	29949719	GG	AA	1940413473
SNP_P1_147720_29950011	NC_021166.1	Ca_kabuli_chr07	29950011	GG	AA	1940413475
SNP_P1_147721_29950422	NC_021166.1	Ca_kabuli_chr07	29950422	TT	CC	1940413477
SNP_P1_147722_29950438	NC_021166.1	Ca_kabuli_chr07	29950438	AA	GG	1940413479
SNP_P1_147723_29950533	NC_021166.1	Ca_kabuli_chr07	29950533	TT	GG	1940413481
SNP_P1_147724_29950792	NC_021166.1	Ca_kabuli_chr07	29950792	GG	CC	1940413482
SNP_P1_147725_29952387	NC_021166.1	Ca_kabuli_chr07	29952387	CC	TT	1940413484
SNP_P1_147726_29952849	NC_021166.1	Ca_kabuli_chr07	29952849	CC	TT	1940413486
SNP_P1_147727_29953355	NC_021166.1	Ca_kabuli_chr07	29953355	TT	CC	1940413488
SNP_P1_147728_29954778	NC_021166.1	Ca_kabuli_chr07	29954778	AA	GG	1940413490
SNP_P1_147729_29960156	NC_021166.1	Ca_kabuli_chr07	29960156	AA	TT	1940413491
SNP_P1_147731_29960269	NC_021166.1	Ca_kabuli_chr07	29960269	AA	TT	1940413493
SNP_P1_147732_29960272	NC_021166.1	Ca_kabuli_chr07	29960272	TT	AA	1940413495
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SNP_P1_147734_29960561	NC_021166.1	Ca_kabuli_chr07	29960561	GG	AA	1940413499
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SNP_P1_147743_29962557	NC_021166.1	Ca_kabuli_chr07	29962557	AA	GG	1940413515
SNP_P1_147744_29964561	NC_021166.1	Ca_kabuli_chr07	29964561	CC	AA	1940413517
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SNP_P1_147746_29964903	NC_021166.1	Ca_kabuli_chr07	29964903	GG	AA	1940413520
SNP_P1_147747_29964913	NC_021166.1	Ca_kabuli_chr07	29964913	AA	GG	1940413522
SNP_P1_147748_29964965	NC_021166.1	Ca_kabuli_chr07	29964965	CC	TT	1940413524
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SNP_P1_147751_29965571	NC_021166.1	Ca_kabuli_chr07	29965571	TT	CC	1940413529
SNP_P1_147754_29969311	NC_021166.1	Ca_kabuli_chr07	29969311	AA	TT	1940413531
SNP_P1_147756_29969444	NC_021166.1	Ca_kabuli_chr07	29969444	TT	CC	1940413533
SNP_P1_147758_29969772	NC_021166.1	Ca_kabuli_chr07	29969772	CC	AA	1940413535
SNP_P1_147759_29970083	NC_021166.1	Ca_kabuli_chr07	29970083	CC	TT	1940413536

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147763_29971340	NC_021166.1	Ca_kabuli_chr07	29971340	TT	CC	1940413542
SNP_P1_147764_29972308	NC_021166.1	Ca_kabuli_chr07	29972308	GG	CC	1940413544
SNP_P1_147765_29972323	NC_021166.1	Ca_kabuli_chr07	29972323	GG	AA	1940413545
SNP_P1_147767_29972972	NC_021166.1	Ca_kabuli_chr07	29972972	AA	TT	1940413547
SNP_P1_147768_29974587	NC_021166.1	Ca_kabuli_chr07	29974587	GG	AA	1940413549
SNP_P1_147769_29974602	NC_021166.1	Ca_kabuli_chr07	29974602	TT	CC	1940413551
SNP_P1_147770_29974651	NC_021166.1	Ca_kabuli_chr07	29974651	GG	TT	1940413553
SNP_P1_147771_29976199	NC_021166.1	Ca_kabuli_chr07	29976199	TT	GG	1940413554
SNP_P1_147772_29976251	NC_021166.1	Ca_kabuli_chr07	29976251	GG	TT	1940413556
SNP_P1_147773_29976295	NC_021166.1	Ca_kabuli_chr07	29976295	AA	GG	1940413558
SNP_P1_147775_29976476	NC_021166.1	Ca_kabuli_chr07	29976476	GG	AA	1940413560
SNP_P1_147776_29976528	NC_021166.1	Ca_kabuli_chr07	29976528	TT	CC	1940413562
SNP_P1_147777_29976535	NC_021166.1	Ca_kabuli_chr07	29976535	TT	AA	1940413563
SNP_P1_147778_29976588	NC_021166.1	Ca_kabuli_chr07	29976588	GG	AA	1940413565
SNP_P1_147779_29976762	NC_021166.1	Ca_kabuli_chr07	29976762	GG	TT	1940413567
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SNP_P1_147781_29976950	NC_021166.1	Ca_kabuli_chr07	29976950	AA	GG	1940413571
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SNP_P1_147784_29977440	NC_021166.1	Ca_kabuli_chr07	29977440	GG	AA	1940413576
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SNP_P1_147798_29981173	NC_021166.1	Ca_kabuli_chr07	29981173	CC	TT	1940413592
SNP_P1_147799_29981274	NC_021166.1	Ca_kabuli_chr07	29981274	AA	GG	1940413594
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SNP_P1_147801_29981616	NC_021166.1	Ca_kabuli_chr07	29981616	TT	AA	1940413598
SNP_P1_147804_29982462	NC_021166.1	Ca_kabuli_chr07	29982462	AA	TT	1940413599
SNP_P1_147805_29982507	NC_021166.1	Ca_kabuli_chr07	29982507	AA	GG	1940413601
SNP_P1_147806_29982663	NC_021166.1	Ca_kabuli_chr07	29982663	AA	GG	1940413603
SNP_P1_147808_29984283	NC_021166.1	Ca_kabuli_chr07	29984283	TT	CC	1940413605
SNP_P1_147809_29984295	NC_021166.1	Ca_kabuli_chr07	29984295	TT	CC	1940413606
SNP_P1_147810_29984310	NC_021166.1	Ca_kabuli_chr07	29984310	TT	CC	1940413608
SNP_P1_147811_29985751	NC_021166.1	Ca_kabuli_chr07	29985751	CC	TT	1940413610
SNP_P1_147812_29985778	NC_021166.1	Ca_kabuli_chr07	29985778	TT	CC	1940413612

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147817_29986313	NC_021166.1	Ca_kabuli_chr07	29986313	CC	TT	1940413617
SNP_P1_147819_29987762	NC_021166.1	Ca_kabuli_chr07	29987762	CC	TT	1940413619
SNP_P1_147820_29987886	NC_021166.1	Ca_kabuli_chr07	29987886	AA	TT	1940413621
SNP_P1_147821_29988026	NC_021166.1	Ca_kabuli_chr07	29988026	AA	GG	1940413623
SNP_P1_147822_29988455	NC_021166.1	Ca_kabuli_chr07	29988455	GG	AA	1940413624
SNP_P1_147823_29988508	NC_021166.1	Ca_kabuli_chr07	29988508	CC	AA	1940413626
SNP_P1_147825_29988531	NC_021166.1	Ca_kabuli_chr07	29988531	AA	TT	1940413628
SNP_P1_147826_29988802	NC_021166.1	Ca_kabuli_chr07	29988802	TT	AA	1940413630
SNP_P1_147827_29988841	NC_021166.1	Ca_kabuli_chr07	29988841	AA	GG	1940413632
SNP_P1_147828_29989965	NC_021166.1	Ca_kabuli_chr07	29989965	AA	GG	1940413633
SNP_P1_147829_29990626	NC_021166.1	Ca_kabuli_chr07	29990626	AA	GG	1940413635
SNP_P1_147830_29990839	NC_021166.1	Ca_kabuli_chr07	29990839	AA	GG	1940413637
SNP_P1_147831_29990881	NC_021166.1	Ca_kabuli_chr07	29990881	AA	GG	1940413639
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SNP_P1_147834_29991742	NC_021166.1	Ca_kabuli_chr07	29991742	TT	CC	1940413644
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SNP_P1_147836_29991855	NC_021166.1	Ca_kabuli_chr07	29991855	TT	CC	1940413648
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SNP_P1_147838_29993391	NC_021166.1	Ca_kabuli_chr07	29993391	GG	AA	1940413651
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SNP_P1_147844_29994514	NC_021166.1	Ca_kabuli_chr07	29994514	CC	TT	1940413662
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SNP_P1_147850_29995331	NC_021166.1	Ca_kabuli_chr07	29995331	GG	CC	1940413668
SNP_P1_147851_29995359	NC_021166.1	Ca_kabuli_chr07	29995359	CC	TT	1940413669
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SNP_P1_147853_29995471	NC_021166.1	Ca_kabuli_chr07	29995471	GG	AA	1940413673
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SNP_P1_147855_29995516	NC_021166.1	Ca_kabuli_chr07	29995516	TT	CC	1940413677
SNP_P1_147856_29995566	NC_021166.1	Ca_kabuli_chr07	29995566	AA	CC	1940413678
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SNP_P1_147858_29995573	NC_021166.1	Ca_kabuli_chr07	29995573	CC	AA	1940413682
SNP_P1_147859_29995697	NC_021166.1	Ca_kabuli_chr07	29995697	TT	CC	1940413684
SNP_P1_147860_29995760	NC_021166.1	Ca_kabuli_chr07	29995760	TT	CC	1940413686
SNP_P1_147861_29995791	NC_021166.1	Ca_kabuli_chr07	29995791	AA	TT	1940413687

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147864_29996219	NC_021166.1	Ca_kabuli_chr07	29996219	AA	TT	1940413693
SNP_P1_147865_29996225	NC_021166.1	Ca_kabuli_chr07	29996225	CC	AA	1940413695
SNP_P1_147866_29996280	NC_021166.1	Ca_kabuli_chr07	29996280	GG	AA	1940413696
SNP_P1_147867_29996331	NC_021166.1	Ca_kabuli_chr07	29996331	CC	TT	1940413698
SNP_P1_147868_29996432	NC_021166.1	Ca_kabuli_chr07	29996432	AA	GG	1940413700
SNP_P1_147870_29996608	NC_021166.1	Ca_kabuli_chr07	29996608	AA	GG	1940413702
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SNP_P1_147908_30002609	NC_021166.1	Ca_kabuli_chr07	30002609	CC	TT	1940413761
SNP_P1_147909_30002610	NC_021166.1	Ca_kabuli_chr07	30002610	CC	TT	1940413763

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147912_30002670	NC_021166.1	Ca_kabuli_chr07	30002670	AA	GG	1940413768
SNP_P1_147914_30002986	NC_021166.1	Ca_kabuli_chr07	30002986	AA	CC	1940413770
SNP_P1_147915_30003027	NC_021166.1	Ca_kabuli_chr07	30003027	TT	AA	1940413772
SNP_P1_147916_30003036	NC_021166.1	Ca_kabuli_chr07	30003036	AA	GG	1940413774
SNP_P1_147917_30003081	NC_021166.1	Ca_kabuli_chr07	30003081	TT	CC	1940413775
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SNP_P1_147921_30003722	NC_021166.1	Ca_kabuli_chr07	30003722	TT	CC	1940413783
SNP_P1_147922_30003732	NC_021166.1	Ca_kabuli_chr07	30003732	GG	AA	1940413784
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SNP_P1_147924_30003898	NC_021166.1	Ca_kabuli_chr07	30003898	GG	TT	1940413788
SNP_P1_147926_30003947	NC_021166.1	Ca_kabuli_chr07	30003947	CC	TT	1940413790
SNP_P1_147927_30004597	NC_021166.1	Ca_kabuli_chr07	30004597	TT	CC	1940413792
SNP_P1_147928_30004870	NC_021166.1	Ca_kabuli_chr07	30004870	TT	CC	1940413793
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SNP_P1_147930_30004887	NC_021166.1	Ca_kabuli_chr07	30004887	TT	CC	1940413797
SNP_P1_147932_30005139	NC_021166.1	Ca_kabuli_chr07	30005139	CC	TT	1940413799
SNP_P1_147933_30005301	NC_021166.1	Ca_kabuli_chr07	30005301	TT	CC	1940413801
SNP_P1_147936_30008163	NC_021166.1	Ca_kabuli_chr07	30008163	GG	CC	1940413802
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SNP_P1_147938_30008205	NC_021166.1	Ca_kabuli_chr07	30008205	AA	GG	1940413806
SNP_P1_147939_30008206	NC_021166.1	Ca_kabuli_chr07	30008206	CC	TT	1940413808
SNP_P1_147940_30008207	NC_021166.1	Ca_kabuli_chr07	30008207	GG	AA	1940413810
SNP_P1_147941_30008470	NC_021166.1	Ca_kabuli_chr07	30008470	GG	TT	1940413811
SNP_P1_147942_30008739	NC_021166.1	Ca_kabuli_chr07	30008739	TT	GG	1940413813
SNP_P1_147943_30008868	NC_021166.1	Ca_kabuli_chr07	30008868	GG	AA	1940413815
SNP_P1_147944_30008874	NC_021166.1	Ca_kabuli_chr07	30008874	CC	GG	1940413817
SNP_P1_147945_30008915	NC_021166.1	Ca_kabuli_chr07	30008915	TT	CC	1940413819
SNP_P1_147946_30008919	NC_021166.1	Ca_kabuli_chr07	30008919	GG	AA	1940413820
SNP_P1_147949_30009231	NC_021166.1	Ca_kabuli_chr07	30009231	GG	CC	1940413822
SNP_P1_147951_30009545	NC_021166.1	Ca_kabuli_chr07	30009545	TT	AA	1940413824
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SNP_P1_147953_30009842	NC_021166.1	Ca_kabuli_chr07	30009842	AA	GG	1940413828
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SNP_P1_147955_30009871	NC_021166.1	Ca_kabuli_chr07	30009871	AA	GG	1940413831
SNP_P1_147956_30009889	NC_021166.1	Ca_kabuli_chr07	30009889	AA	TT	1940413833
SNP_P1_147957_30009893	NC_021166.1	Ca_kabuli_chr07	30009893	AA	GG	1940413835
SNP_P1_147959_30011061	NC_021166.1	Ca_kabuli_chr07	30011061	CC	TT	1940413837
SNP_P1_147960_30011145	NC_021166.1	Ca_kabuli_chr07	30011145	CC	GG	1940413838

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_147962_30011455	NC_021166.1	Ca_kabuli_chr07	30011455	TT	AA	1940413842
SNP_P1_147963_30011478	NC_021166.1	Ca_kabuli_chr07	30011478	CC	TT	1940413844
SNP_P1_147964_30011487	NC_021166.1	Ca_kabuli_chr07	30011487	GG	TT	1940413845
SNP_P1_147966_30011534	NC_021166.1	Ca_kabuli_chr07	30011534	TT	GG	1940413847
SNP_P1_147967_30013731	NC_021166.1	Ca_kabuli_chr07	30013731	GG	CC	1940413849
SNP_P1_147968_30015306	NC_021166.1	Ca_kabuli_chr07	30015306	TT	AA	1940413851
SNP_P1_147969_30015309	NC_021166.1	Ca_kabuli_chr07	30015309	TT	CC	1940413853
SNP_P1_147971_30016040	NC_021166.1	Ca_kabuli_chr07	30016040	AA	TT	1940413854
SNP_P1_147972_30016045	NC_021166.1	Ca_kabuli_chr07	30016045	CC	TT	1940413856
SNP_P1_147973_30016049	NC_021166.1	Ca_kabuli_chr07	30016049	GG	AA	1940413858
SNP_P1_147974_30016441	NC_021166.1	Ca_kabuli_chr07	30016441	AA	CC	1940413860
SNP_P1_147975_30016443	NC_021166.1	Ca_kabuli_chr07	30016443	GG	AA	1940413862
SNP_P1_147976_30016445	NC_021166.1	Ca_kabuli_chr07	30016445	GG	TT	1940413863
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SNP_P1_147981_30016739	NC_021166.1	Ca_kabuli_chr07	30016739	TT	CC	1940413872
SNP_P1_147983_30017273	NC_021166.1	Ca_kabuli_chr07	30017273	CC	AA	1940413874
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SNP_P1_147986_30017601	NC_021166.1	Ca_kabuli_chr07	30017601	AA	GG	1940413878
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SNP_P1_147995_30017797	NC_021166.1	Ca_kabuli_chr07	30017797	AA	GG	1940413892
SNP_P1_147998_30017911	NC_021166.1	Ca_kabuli_chr07	30017911	CC	AA	1940413894
SNP_P1_148000_30017983	NC_021166.1	Ca_kabuli_chr07	30017983	CC	AA	1940413896
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SNP_P1_148003_30018073	NC_021166.1	Ca_kabuli_chr07	30018073	GG	TT	1940413901
SNP_P1_148004_30018345	NC_021166.1	Ca_kabuli_chr07	30018345	TT	CC	1940413903
SNP_P1_148006_30018445	NC_021166.1	Ca_kabuli_chr07	30018445	GG	AA	1940413905
SNP_P1_148007_30018449	NC_021166.1	Ca_kabuli_chr07	30018449	TT	CC	1940413907
SNP_P1_148008_30018459	NC_021166.1	Ca_kabuli_chr07	30018459	TT	CC	1940413908
SNP_P1_148009_30018481	NC_021166.1	Ca_kabuli_chr07	30018481	TT	CC	1940413910
SNP_P1_148010_30018616	NC_021166.1	Ca_kabuli_chr07	30018616	AA	GG	1940413912
SNP_P1_148011_30018661	NC_021166.1	Ca_kabuli_chr07	30018661	TT	CC	1940413914

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148014_30019958	NC_021166.1	Ca_kabuli_chr07	30019958	GG	AA	1940413919
SNP_P1_148015_30020726	NC_021166.1	Ca_kabuli_chr07	30020726	CC	GG	1940413921
SNP_P1_148016_30020769	NC_021166.1	Ca_kabuli_chr07	30020769	AA	TT	1940413923
SNP_P1_148018_30021039	NC_021166.1	Ca_kabuli_chr07	30021039	GG	AA	1940413925
SNP_P1_148019_30021102	NC_021166.1	Ca_kabuli_chr07	30021102	TT	CC	1940413926
SNP_P1_148022_30022300	NC_021166.1	Ca_kabuli_chr07	30022300	AA	GG	1940413928
SNP_P1_148023_30023527	NC_021166.1	Ca_kabuli_chr07	30023527	CC	TT	1940413930
SNP_P1_148024_30023543	NC_021166.1	Ca_kabuli_chr07	30023543	AA	CC	1940413932
SNP_P1_148025_30023577	NC_021166.1	Ca_kabuli_chr07	30023577	TT	CC	1940413933
SNP_P1_148026_30023636	NC_021166.1	Ca_kabuli_chr07	30023636	AA	TT	1940413935
SNP_P1_148027_30024721	NC_021166.1	Ca_kabuli_chr07	30024721	GG	AA	1940413937
SNP_P1_148028_30024853	NC_021166.1	Ca_kabuli_chr07	30024853	GG	AA	1940413939
SNP_P1_148029_30024915	NC_021166.1	Ca_kabuli_chr07	30024915	AA	GG	1940413941
SNP_P1_148030_30024945	NC_021166.1	Ca_kabuli_chr07	30024945	GG	AA	1940413942
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SNP_P1_148032_30025066	NC_021166.1	Ca_kabuli_chr07	30025066	GG	AA	1940413946
SNP_P1_148033_30025099	NC_021166.1	Ca_kabuli_chr07	30025099	AA	GG	1940413948
SNP_P1_148035_30025784	NC_021166.1	Ca_kabuli_chr07	30025784	TT	CC	1940413950
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SNP_P1_148039_30027918	NC_021166.1	Ca_kabuli_chr07	30027918	TT	AA	1940413955
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SNP_P1_148044_30028256	NC_021166.1	Ca_kabuli_chr07	30028256	GG	AA	1940413962
SNP_P1_148045_30028292	NC_021166.1	Ca_kabuli_chr07	30028292	CC	TT	1940413964
SNP_P1_148046_30028296	NC_021166.1	Ca_kabuli_chr07	30028296	CC	AA	1940413965
SNP_P1_148047_30028493	NC_021166.1	Ca_kabuli_chr07	30028493	CC	TT	1940413967
SNP_P1_148048_30028518	NC_021166.1	Ca_kabuli_chr07	30028518	CC	TT	1940413969
SNP_P1_148049_30028534	NC_021166.1	Ca_kabuli_chr07	30028534	AA	TT	1940413971
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SNP_P1_148051_30028590	NC_021166.1	Ca_kabuli_chr07	30028590	CC	AA	1940413974
SNP_P1_148052_30028731	NC_021166.1	Ca_kabuli_chr07	30028731	TT	CC	1940413976
SNP_P1_148053_30029131	NC_021166.1	Ca_kabuli_chr07	30029131	AA	GG	1940413978
SNP_P1_148054_30029224	NC_021166.1	Ca_kabuli_chr07	30029224	TT	GG	1940413980
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SNP_P1_148056_30030372	NC_021166.1	Ca_kabuli_chr07	30030372	TT	GG	1940413983
SNP_P1_148057_30030576	NC_021166.1	Ca_kabuli_chr07	30030576	GG	CC	1940413985
SNP_P1_148058_30030591	NC_021166.1	Ca_kabuli_chr07	30030591	AA	GG	1940413987
SNP_P1_148059_30030636	NC_021166.1	Ca_kabuli_chr07	30030636	TT	CC	1940413989

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148062_30030662	NC_021166.1	Ca_kabuli_chr07	30030662	GG	AA	1940413994
SNP_P1_148063_30030663	NC_021166.1	Ca_kabuli_chr07	30030663	TT	GG	1940413996
SNP_P1_148064_30030713	NC_021166.1	Ca_kabuli_chr07	30030713	TT	AA	1940413998
SNP_P1_148065_30030933	NC_021166.1	Ca_kabuli_chr07	30030933	AA	TT	1940414000
SNP_P1_148066_30030935	NC_021166.1	Ca_kabuli_chr07	30030935	AA	TT	1940414001
SNP_P1_148067_30030938	NC_021166.1	Ca_kabuli_chr07	30030938	CC	TT	1940414003
SNP_P1_148068_30030974	NC_021166.1	Ca_kabuli_chr07	30030974	AA	CC	1940414005
SNP_P1_148069_30030975	NC_021166.1	Ca_kabuli_chr07	30030975	CC	GG	1940414007
SNP_P1_148070_30031064	NC_021166.1	Ca_kabuli_chr07	30031064	TT	AA	1940414008
SNP_P1_148071_30031526	NC_021166.1	Ca_kabuli_chr07	30031526	AA	CC	1940414010
SNP_P1_148072_30031620	NC_021166.1	Ca_kabuli_chr07	30031620	AA	TT	1940414012
SNP_P1_148073_30032027	NC_021166.1	Ca_kabuli_chr07	30032027	TT	CC	1940414014
SNP_P1_148074_30032709	NC_021166.1	Ca_kabuli_chr07	30032709	CC	TT	1940414016
SNP_P1_148075_30032760	NC_021166.1	Ca_kabuli_chr07	30032760	TT	CC	1940414017
SNP_P1_148076_30032920	NC_021166.1	Ca_kabuli_chr07	30032920	AA	TT	1940414019
SNP_P1_148077_30032983	NC_021166.1	Ca_kabuli_chr07	30032983	TT	GG	1940414021
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SNP_P1_148080_30034352	NC_021166.1	Ca_kabuli_chr07	30034352	GG	TT	1940414025
SNP_P1_148081_30035179	NC_021166.1	Ca_kabuli_chr07	30035179	GG	AA	1940414026
SNP_P1_148082_30035201	NC_021166.1	Ca_kabuli_chr07	30035201	AA	GG	1940414028
SNP_P1_148083_30035243	NC_021166.1	Ca_kabuli_chr07	30035243	AA	GG	1940414030
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SNP_P1_148085_30036922	NC_021166.1	Ca_kabuli_chr07	30036922	AA	GG	1940414034
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SNP_P1_148089_30037002	NC_021166.1	Ca_kabuli_chr07	30037002	CC	GG	1940414041
SNP_P1_148091_30037043	NC_021166.1	Ca_kabuli_chr07	30037043	TT	CC	1940414043
SNP_P1_148092_30037176	NC_021166.1	Ca_kabuli_chr07	30037176	GG	AA	1940414044
SNP_P1_148093_30037925	NC_021166.1	Ca_kabuli_chr07	30037925	TT	AA	1940414046
SNP_P1_148094_30038184	NC_021166.1	Ca_kabuli_chr07	30038184	CC	TT	1940414048
SNP_P1_148095_30038216	NC_021166.1	Ca_kabuli_chr07	30038216	CC	TT	1940414050
SNP_P1_148096_30040554	NC_021166.1	Ca_kabuli_chr07	30040554	AA	CC	1940414052
SNP_P1_148099_30041719	NC_021166.1	Ca_kabuli_chr07	30041719	AA	TT	1940414053
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SNP_P1_148102_30041961	NC_021166.1	Ca_kabuli_chr07	30041961	CC	AA	1940414059
SNP_P1_148103_30042001	NC_021166.1	Ca_kabuli_chr07	30042001	TT	CC	1940414061
SNP_P1_148104_30042012	NC_021166.1	Ca_kabuli_chr07	30042012	AA	TT	1940414062
SNP_P1_148105_30042121	NC_021166.1	Ca_kabuli_chr07	30042121	TT	CC	1940414064

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148109_30042445	NC_021166.1	Ca_kabuli_chr07	30042445	GG	AA	1940414070
SNP_P1_148111_30042852	NC_021166.1	Ca_kabuli_chr07	30042852	GG	AA	1940414071
SNP_P1_148112_30042875	NC_021166.1	Ca_kabuli_chr07	30042875	TT	CC	1940414073
SNP_P1_148113_30042891	NC_021166.1	Ca_kabuli_chr07	30042891	AA	GG	1940414075
SNP_P1_148115_30043363	NC_021166.1	Ca_kabuli_chr07	30043363	CC	AA	1940414077
SNP_P1_148116_30043390	NC_021166.1	Ca_kabuli_chr07	30043390	CC	TT	1940414079
SNP_P1_148117_30044262	NC_021166.1	Ca_kabuli_chr07	30044262	GG	TT	1940414080
SNP_P1_148118_30044449	NC_021166.1	Ca_kabuli_chr07	30044449	CC	TT	1940414082
SNP_P1_148119_30044474	NC_021166.1	Ca_kabuli_chr07	30044474	AA	GG	1940414084
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SNP_P1_148129_30046416	NC_021166.1	Ca_kabuli_chr07	30046416	AA	CC	1940414102
SNP_P1_148130_30046421	NC_021166.1	Ca_kabuli_chr07	30046421	CC	TT	1940414104
SNP_P1_148131_30046457	NC_021166.1	Ca_kabuli_chr07	30046457	TT	GG	1940414106
SNP_P1_148132_30046469	NC_021166.1	Ca_kabuli_chr07	30046469	AA	GG	1940414107
SNP_P1_148134_30048428	NC_021166.1	Ca_kabuli_chr07	30048428	CC	TT	1940414109
SNP_P1_148136_30048717	NC_021166.1	Ca_kabuli_chr07	30048717	TT	CC	1940414111
SNP_P1_148137_30049450	NC_021166.1	Ca_kabuli_chr07	30049450	CC	TT	1940414113
SNP_P1_148138_30049875	NC_021166.1	Ca_kabuli_chr07	30049875	AA	GG	1940414114
SNP_P1_148139_30049876	NC_021166.1	Ca_kabuli_chr07	30049876	TT	CC	1940414116
SNP_P1_148140_30050114	NC_021166.1	Ca_kabuli_chr07	30050114	GG	TT	1940414118
SNP_P1_148141_30050139	NC_021166.1	Ca_kabuli_chr07	30050139	CC	GG	1940414120
SNP_P1_148142_30050169	NC_021166.1	Ca_kabuli_chr07	30050169	TT	CC	1940414122
SNP_P1_148143_30050446	NC_021166.1	Ca_kabuli_chr07	30050446	GG	AA	1940414124
SNP_P1_148144_30050838	NC_021166.1	Ca_kabuli_chr07	30050838	TT	CC	1940414125
SNP_P1_148145_30051674	NC_021166.1	Ca_kabuli_chr07	30051674	AA	GG	1940414127
SNP_P1_148146_30052304	NC_021166.1	Ca_kabuli_chr07	30052304	CC	AA	1940414129
SNP_P1_148147_30052339	NC_021166.1	Ca_kabuli_chr07	30052339	GG	AA	1940414131
SNP_P1_148148_30052745	NC_021166.1	Ca_kabuli_chr07	30052745	GG	AA	1940414132
SNP_P1_148149_30052936	NC_021166.1	Ca_kabuli_chr07	30052936	AA	TT	1940414134
SNP_P1_148151_30053139	NC_021166.1	Ca_kabuli_chr07	30053139	GG	AA	1940414136
SNP_P1_148152_30053170	NC_021166.1	Ca_kabuli_chr07	30053170	TT	AA	1940414138
SNP_P1_148153_30053188	NC_021166.1	Ca_kabuli_chr07	30053188	TT	AA	1940414140

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148156_30053790	NC_021166.1	Ca_kabuli_chr07	30053790	CC	TT	1940414143
SNP_P1_148157_30053815	NC_021166.1	Ca_kabuli_chr07	30053815	GG	AA	1940414145
SNP_P1_148158_30053856	NC_021166.1	Ca_kabuli_chr07	30053856	CC	GG	1940414147
SNP_P1_148159_30054006	NC_021166.1	Ca_kabuli_chr07	30054006	GG	AA	1940414149
SNP_P1_148160_30055404	NC_021166.1	Ca_kabuli_chr07	30055404	TT	CC	1940414150
SNP_P1_148161_30055728	NC_021166.1	Ca_kabuli_chr07	30055728	AA	GG	1940414152
SNP_P1_148162_30056932	NC_021166.1	Ca_kabuli_chr07	30056932	TT	AA	1940414154
SNP_P1_148163_30057887	NC_021166.1	Ca_kabuli_chr07	30057887	GG	CC	1940414156
SNP_P1_148164_30057898	NC_021166.1	Ca_kabuli_chr07	30057898	AA	CC	1940414158
SNP_P1_148165_30057909	NC_021166.1	Ca_kabuli_chr07	30057909	TT	CC	1940414159
SNP_P1_148166_30057912	NC_021166.1	Ca_kabuli_chr07	30057912	GG	TT	1940414161
SNP_P1_148167_30058053	NC_021166.1	Ca_kabuli_chr07	30058053	TT	CC	1940414163
SNP_P1_148168_30058203	NC_021166.1	Ca_kabuli_chr07	30058203	CC	TT	1940414165
SNP_P1_148169_30058286	NC_021166.1	Ca_kabuli_chr07	30058286	GG	TT	1940414167
SNP_P1_148170_30058434	NC_021166.1	Ca_kabuli_chr07	30058434	GG	AA	1940414168
SNP_P1_148171_30058607	NC_021166.1	Ca_kabuli_chr07	30058607	CC	TT	1940414170
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SNP_P1_148173_30059142	NC_021166.1	Ca_kabuli_chr07	30059142	TT	GG	1940414174
SNP_P1_148174_30059507	NC_021166.1	Ca_kabuli_chr07	30059507	CC	TT	1940414176
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SNP_P1_148176_30060028	NC_021166.1	Ca_kabuli_chr07	30060028	CC	AA	1940414179
SNP_P1_148177_30060084	NC_021166.1	Ca_kabuli_chr07	30060084	AA	TT	1940414181
SNP_P1_148178_30060099	NC_021166.1	Ca_kabuli_chr07	30060099	AA	GG	1940414183
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SNP_P1_148183_30063550	NC_021166.1	Ca_kabuli_chr07	30063550	AA	GG	1940414192
SNP_P1_148184_30063723	NC_021166.1	Ca_kabuli_chr07	30063723	AA	GG	1940414194
SNP_P1_148185_30063815	NC_021166.1	Ca_kabuli_chr07	30063815	AA	CC	1940414195
SNP_P1_148186_30063883	NC_021166.1	Ca_kabuli_chr07	30063883	TT	CC	1940414197
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SNP_P1_148190_30068926	NC_021166.1	Ca_kabuli_chr07	30068926	AA	GG	1940414204
SNP_P1_148191_30069528	NC_021166.1	Ca_kabuli_chr07	30069528	AA	CC	1940414206
SNP_P1_148192_30069549	NC_021166.1	Ca_kabuli_chr07	30069549	AA	GG	1940414208
SNP_P1_148193_30069555	NC_021166.1	Ca_kabuli_chr07	30069555	AA	GG	1940414210
SNP_P1_148194_30069590	NC_021166.1	Ca_kabuli_chr07	30069590	AA	GG	1940414212
SNP_P1_148195_30069675	NC_021166.1	Ca_kabuli_chr07	30069675	GG	AA	1940414213
SNP_P1_148196_30069850	NC_021166.1	Ca_kabuli_chr07	30069850	TT	AA	1940414215

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148198_30069902	NC_021166.1	Ca_kabuli_chr07	30069902	TT	CC	1940414219
SNP_P1_148199_30069917	NC_021166.1	Ca_kabuli_chr07	30069917	AA	GG	1940414221
SNP_P1_148200_30070183	NC_021166.1	Ca_kabuli_chr07	30070183	CC	TT	1940414222
SNP_P1_148201_30070874	NC_021166.1	Ca_kabuli_chr07	30070874	AA	GG	1940414224
SNP_P1_148202_30070876	NC_021166.1	Ca_kabuli_chr07	30070876	AA	TT	1940414226
SNP_P1_148203_30070880	NC_021166.1	Ca_kabuli_chr07	30070880	GG	TT	1940414228
SNP_P1_148204_30070971	NC_021166.1	Ca_kabuli_chr07	30070971	TT	AA	1940414230
SNP_P1_148205_30070998	NC_021166.1	Ca_kabuli_chr07	30070998	GG	AA	1940414231
SNP_P1_148206_30071220	NC_021166.1	Ca_kabuli_chr07	30071220	TT	CC	1940414233
SNP_P1_148207_30071238	NC_021166.1	Ca_kabuli_chr07	30071238	TT	GG	1940414235
SNP_P1_148208_30071278	NC_021166.1	Ca_kabuli_chr07	30071278	CC	TT	1940414237
SNP_P1_148209_30071619	NC_021166.1	Ca_kabuli_chr07	30071619	GG	AA	1940414239
SNP_P1_148211_30071916	NC_021166.1	Ca_kabuli_chr07	30071916	CC	TT	1940414240
SNP_P1_148213_30072027	NC_021166.1	Ca_kabuli_chr07	30072027	TT	CC	1940414242
SNP_P1_148214_30072035	NC_021166.1	Ca_kabuli_chr07	30072035	GG	TT	1940414244
SNP_P1_148216_30072062	NC_021166.1	Ca_kabuli_chr07	30072062	CC	TT	1940414246
SNP_P1_148217_30072192	NC_021166.1	Ca_kabuli_chr07	30072192	TT	CC	1940414248
SNP_P1_148218_30072198	NC_021166.1	Ca_kabuli_chr07	30072198	CC	TT	1940414249
SNP_P1_148219_30072214	NC_021166.1	Ca_kabuli_chr07	30072214	GG	AA	1940414251
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SNP_P1_148221_30072538	NC_021166.1	Ca_kabuli_chr07	30072538	GG	AA	1940414255
SNP_P1_148222_30072602	NC_021166.1	Ca_kabuli_chr07	30072602	TT	CC	1940414257
SNP_P1_148223_30072606	NC_021166.1	Ca_kabuli_chr07	30072606	GG	TT	1940414258
SNP_P1_148224_30072613	NC_021166.1	Ca_kabuli_chr07	30072613	CC	TT	1940414260
SNP_P1_148226_30072844	NC_021166.1	Ca_kabuli_chr07	30072844	AA	GG	1940414262
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SNP_P1_148228_30073357	NC_021166.1	Ca_kabuli_chr07	30073357	TT	CC	1940414266
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SNP_P1_148230_30073384	NC_021166.1	Ca_kabuli_chr07	30073384	CC	GG	1940414269
SNP_P1_148231_30073388	NC_021166.1	Ca_kabuli_chr07	30073388	CC	TT	1940414271
SNP_P1_148232_30073394	NC_021166.1	Ca_kabuli_chr07	30073394	GG	AA	1940414273
SNP_P1_148233_30073431	NC_021166.1	Ca_kabuli_chr07	30073431	CC	GG	1940414275
SNP_P1_148234_30073578	NC_021166.1	Ca_kabuli_chr07	30073578	AA	TT	1940414276
SNP_P1_148235_30073579	NC_021166.1	Ca_kabuli_chr07	30073579	AA	TT	1940414278
SNP_P1_148236_30073585	NC_021166.1	Ca_kabuli_chr07	30073585	TT	AA	1940414280
SNP_P1_148237_30073587	NC_021166.1	Ca_kabuli_chr07	30073587	AA	TT	1940414282
SNP_P1_148238_30073685	NC_021166.1	Ca_kabuli_chr07	30073685	GG	AA	1940414284
SNP_P1_148239_30073825	NC_021166.1	Ca_kabuli_chr07	30073825	AA	CC	1940414285
SNP_P1_148241_30073868	NC_021166.1	Ca_kabuli_chr07	30073868	TT	CC	1940414287
SNP_P1_148244_30073977	NC_021166.1	Ca_kabuli_chr07	30073977	GG	AA	1940414289
SNP_P1_148245_30073978	NC_021166.1	Ca_kabuli_chr07	30073978	GG	AA	1940414291

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148248_30074108	NC_021166.1	Ca_kabuli_chr07	30074108	GG	CC	1940414296
SNP_P1_148249_30074128	NC_021166.1	Ca_kabuli_chr07	30074128	TT	CC	1940414298
SNP_P1_148250_30075744	NC_021166.1	Ca_kabuli_chr07	30075744	TT	CC	1940414300
SNP_P1_148251_30075753	NC_021166.1	Ca_kabuli_chr07	30075753	CC	TT	1940414302
SNP_P1_148252_30075754	NC_021166.1	Ca_kabuli_chr07	30075754	GG	AA	1940414303
SNP_P1_148253_30075809	NC_021166.1	Ca_kabuli_chr07	30075809	GG	AA	1940414305
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SNP_P1_148255_30075823	NC_021166.1	Ca_kabuli_chr07	30075823	CC	GG	1940414309
SNP_P1_148257_30078646	NC_021166.1	Ca_kabuli_chr07	30078646	TT	CC	1940414310
SNP_P1_148258_30078721	NC_021166.1	Ca_kabuli_chr07	30078721	TT	AA	1940414312
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SNP_P1_148262_30079495	NC_021166.1	Ca_kabuli_chr07	30079495	GG	AA	1940414318
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SNP_P1_148264_30080648	NC_021166.1	Ca_kabuli_chr07	30080648	AA	GG	1940414321
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SNP_P1_148278_30082643	NC_021166.1	Ca_kabuli_chr07	30082643	CC	AA	1940414345
SNP_P1_148279_30082669	NC_021166.1	Ca_kabuli_chr07	30082669	GG	AA	1940414346
SNP_P1_148280_30082689	NC_021166.1	Ca_kabuli_chr07	30082689	CC	TT	1940414348
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SNP_P1_148289_30083110	NC_021166.1	Ca_kabuli_chr07	30083110	CC	TT	1940414363
SNP_P1_148290_30083526	NC_021166.1	Ca_kabuli_chr07	30083526	TT	CC	1940414364
SNP_P1_148291_30083532	NC_021166.1	Ca_kabuli_chr07	30083532	AA	GG	1940414366

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148296_30087419	NC_021166.1	Ca_kabuli_chr07	30087419	TT	CC	1940414373
SNP_P1_148297_30087432	NC_021166.1	Ca_kabuli_chr07	30087432	GG	AA	1940414375
SNP_P1_148298_30087497	NC_021166.1	Ca_kabuli_chr07	30087497	TT	CC	1940414377
SNP_P1_148299_30087501	NC_021166.1	Ca_kabuli_chr07	30087501	GG	TT	1940414379
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SNP_P1_148302_30089569	NC_021166.1	Ca_kabuli_chr07	30089569	AA	CC	1940414384
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SNP_P1_148308_30089741	NC_021166.1	Ca_kabuli_chr07	30089741	GG	AA	1940414395
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SNP_P1_148311_30089895	NC_021166.1	Ca_kabuli_chr07	30089895	AA	GG	1940414400
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SNP_P1_148315_30090911	NC_021166.1	Ca_kabuli_chr07	30090911	GG	TT	1940414408
SNP_P1_148316_30090918	NC_021166.1	Ca_kabuli_chr07	30090918	TT	CC	1940414409
SNP_P1_148317_30091199	NC_021166.1	Ca_kabuli_chr07	30091199	GG	TT	1940414411
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SNP_P1_148324_30091442	NC_021166.1	Ca_kabuli_chr07	30091442	AA	GG	1940414422
SNP_P1_148325_30091451	NC_021166.1	Ca_kabuli_chr07	30091451	AA	GG	1940414424
SNP_P1_148326_30091626	NC_021166.1	Ca_kabuli_chr07	30091626	GG	AA	1940414425
SNP_P1_148327_30091651	NC_021166.1	Ca_kabuli_chr07	30091651	AA	GG	1940414427
SNP_P1_148328_30092318	NC_021166.1	Ca_kabuli_chr07	30092318	TT	GG	1940414429
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SNP_P1_148330_30092350	NC_021166.1	Ca_kabuli_chr07	30092350	AA	GG	1940414433
SNP_P1_148331_30092360	NC_021166.1	Ca_kabuli_chr07	30092360	GG	AA	1940414434
SNP_P1_148332_30092375	NC_021166.1	Ca_kabuli_chr07	30092375	TT	AA	1940414436
SNP_P1_148333_30092376	NC_021166.1	Ca_kabuli_chr07	30092376	TT	AA	1940414438
SNP_P1_148334_30092389	NC_021166.1	Ca_kabuli_chr07	30092389	GG	TT	1940414440
SNP_P1_148335_30092391	NC_021166.1	Ca_kabuli_chr07	30092391	GG	AA	1940414442

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148337_30093280	NC_021166.1	Ca_kabuli_chr07	30093280	AA	CC	1940414445
SNP_P1_148338_30093499	NC_021166.1	Ca_kabuli_chr07	30093499	TT	GG	1940414447
SNP_P1_148339_30093507	NC_021166.1	Ca_kabuli_chr07	30093507	GG	AA	1940414449
SNP_P1_148340_30093591	NC_021166.1	Ca_kabuli_chr07	30093591	TT	CC	1940414451
SNP_P1_148341_30093679	NC_021166.1	Ca_kabuli_chr07	30093679	AA	TT	1940414452
SNP_P1_148342_30093685	NC_021166.1	Ca_kabuli_chr07	30093685	GG	AA	1940414454
SNP_P1_148343_30093861	NC_021166.1	Ca_kabuli_chr07	30093861	TT	CC	1940414456
SNP_P1_148344_30093866	NC_021166.1	Ca_kabuli_chr07	30093866	AA	GG	1940414458
SNP_P1_148345_30093869	NC_021166.1	Ca_kabuli_chr07	30093869	GG	CC	1940414460
SNP_P1_148346_30093887	NC_021166.1	Ca_kabuli_chr07	30093887	GG	CC	1940414461
SNP_P1_148347_30093930	NC_021166.1	Ca_kabuli_chr07	30093930	TT	CC	1940414463
SNP_P1_148348_30093952	NC_021166.1	Ca_kabuli_chr07	30093952	GG	AA	1940414465
SNP_P1_148349_30094093	NC_021166.1	Ca_kabuli_chr07	30094093	TT	CC	1940414467
SNP_P1_148350_30094118	NC_021166.1	Ca_kabuli_chr07	30094118	CC	TT	1940414469
SNP_P1_148351_30095901	NC_021166.1	Ca_kabuli_chr07	30095901	TT	CC	1940414470
SNP_P1_148352_30095908	NC_021166.1	Ca_kabuli_chr07	30095908	CC	AA	1940414472
SNP_P1_148353_30095909	NC_021166.1	Ca_kabuli_chr07	30095909	TT	AA	1940414474
SNP_P1_148354_30096725	NC_021166.1	Ca_kabuli_chr07	30096725	AA	GG	1940414476
SNP_P1_148355_30096780	NC_021166.1	Ca_kabuli_chr07	30096780	AA	GG	1940414478
SNP_P1_148356_30096808	NC_021166.1	Ca_kabuli_chr07	30096808	GG	AA	1940414479
SNP_P1_148358_30096882	NC_021166.1	Ca_kabuli_chr07	30096882	CC	TT	1940414481
SNP_P1_148359_30096895	NC_021166.1	Ca_kabuli_chr07	30096895	CC	TT	1940414483
SNP_P1_148360_30096909	NC_021166.1	Ca_kabuli_chr07	30096909	GG	AA	1940414485
SNP_P1_148361_30096966	NC_021166.1	Ca_kabuli_chr07	30096966	CC	AA	1940414487
SNP_P1_148362_30097730	NC_021166.1	Ca_kabuli_chr07	30097730	CC	TT	1940414488
SNP_P1_148363_30098204	NC_021166.1	Ca_kabuli_chr07	30098204	GG	AA	1940414490
SNP_P1_148364_30098226	NC_021166.1	Ca_kabuli_chr07	30098226	CC	TT	1940414492
SNP_P1_148365_30098239	NC_021166.1	Ca_kabuli_chr07	30098239	GG	AA	1940414494
SNP_P1_148367_30098532	NC_021166.1	Ca_kabuli_chr07	30098532	TT	CC	1940414495
SNP_P1_148368_30098533	NC_021166.1	Ca_kabuli_chr07	30098533	AA	GG	1940414497
SNP_P1_148369_30098592	NC_021166.1	Ca_kabuli_chr07	30098592	GG	AA	1940414499
SNP_P1_148370_30098606	NC_021166.1	Ca_kabuli_chr07	30098606	AA	GG	1940414501
SNP_P1_148371_30098627	NC_021166.1	Ca_kabuli_chr07	30098627	TT	GG	1940414503
SNP_P1_148372_30098640	NC_021166.1	Ca_kabuli_chr07	30098640	TT	CC	1940414504
SNP_P1_148373_30098893	NC_021166.1	Ca_kabuli_chr07	30098893	TT	CC	1940414506
SNP_P1_148374_30098912	NC_021166.1	Ca_kabuli_chr07	30098912	AA	GG	1940414508
SNP_P1_148375_30099003	NC_021166.1	Ca_kabuli_chr07	30099003	CC	TT	1940414510
SNP_P1_148376_30099291	NC_021166.1	Ca_kabuli_chr07	30099291	GG	CC	1940414512
SNP_P1_148377_30099295	NC_021166.1	Ca_kabuli_chr07	30099295	TT	CC	1940414513
SNP_P1_148381_30100183	NC_021166.1	Ca_kabuli_chr07	30100183	CC	TT	1940414515
SNP_P1_148383_30100257	NC_021166.1	Ca_kabuli_chr07	30100257	TT	AA	1940414517

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148385_30100315	NC_021166.1	Ca_kabuli_chr07	30100315	CC	TT	1940414521
SNP_P1_148386_30100852	NC_021166.1	Ca_kabuli_chr07	30100852	GG	CC	1940414522
SNP_P1_148387_30100881	NC_021166.1	Ca_kabuli_chr07	30100881	TT	CC	1940414524
SNP_P1_148388_30101190	NC_021166.1	Ca_kabuli_chr07	30101190	AA	GG	1940414526
SNP_P1_148389_30101191	NC_021166.1	Ca_kabuli_chr07	30101191	CC	TT	1940414528
SNP_P1_148390_30101199	NC_021166.1	Ca_kabuli_chr07	30101199	AA	GG	1940414530
SNP_P1_148391_30101904	NC_021166.1	Ca_kabuli_chr07	30101904	CC	AA	1940414531
SNP_P1_148392_30101949	NC_021166.1	Ca_kabuli_chr07	30101949	AA	TT	1940414533
SNP_P1_148393_30102947	NC_021166.1	Ca_kabuli_chr07	30102947	GG	AA	1940414535
SNP_P1_148394_30102956	NC_021166.1	Ca_kabuli_chr07	30102956	TT	AA	1940414537
SNP_P1_148396_30103221	NC_021166.1	Ca_kabuli_chr07	30103221	TT	CC	1940414539
SNP_P1_148397_30103630	NC_021166.1	Ca_kabuli_chr07	30103630	GG	CC	1940414540
SNP_P1_148399_30105801	NC_021166.1	Ca_kabuli_chr07	30105801	CC	AA	1940414542
SNP_P1_148400_30105805	NC_021166.1	Ca_kabuli_chr07	30105805	AA	GG	1940414544
SNP_P1_148402_30107923	NC_021166.1	Ca_kabuli_chr07	30107923	GG	TT	1940414546
SNP_P1_148403_30108634	NC_021166.1	Ca_kabuli_chr07	30108634	TT	AA	1940414548
SNP_P1_148404_30108717	NC_021166.1	Ca_kabuli_chr07	30108717	CC	TT	1940414549
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SNP_P1_148408_30112245	NC_021166.1	Ca_kabuli_chr07	30112245	AA	GG	1940414557
SNP_P1_148409_30112258	NC_021166.1	Ca_kabuli_chr07	30112258	CC	TT	1940414558
SNP_P1_148410_30112291	NC_021166.1	Ca_kabuli_chr07	30112291	AA	GG	1940414560
SNP_P1_148411_30112429	NC_021166.1	Ca_kabuli_chr07	30112429	AA	GG	1940414562
SNP_P1_148412_30112478	NC_021166.1	Ca_kabuli_chr07	30112478	AA	GG	1940414564
SNP_P1_148414_30112948	NC_021166.1	Ca_kabuli_chr07	30112948	TT	CC	1940414566
SNP_P1_148415_30113060	NC_021166.1	Ca_kabuli_chr07	30113060	CC	TT	1940414567
SNP_P1_148416_30113327	NC_021166.1	Ca_kabuli_chr07	30113327	TT	AA	1940414569
SNP_P1_148417_30113486	NC_021166.1	Ca_kabuli_chr07	30113486	TT	GG	1940414571
SNP_P1_148419_30115175	NC_021166.1	Ca_kabuli_chr07	30115175	TT	AA	1940414573
SNP_P1_148421_30122615	NC_021166.1	Ca_kabuli_chr07	30122615	CC	TT	1940414575
SNP_P1_148422_30123594	NC_021166.1	Ca_kabuli_chr07	30123594	CC	TT	1940414576
SNP_P1_148424_30129257	NC_021166.1	Ca_kabuli_chr07	30129257	AA	GG	1940414578
SNP_P1_148426_30129825	NC_021166.1	Ca_kabuli_chr07	30129825	CC	GG	1940414580
SNP_P1_148427_30129840	NC_021166.1	Ca_kabuli_chr07	30129840	TT	CC	1940414582
SNP_P1_148428_30130313	NC_021166.1	Ca_kabuli_chr07	30130313	GG	AA	1940414584
SNP_P1_148429_30130366	NC_021166.1	Ca_kabuli_chr07	30130366	GG	AA	1940414585
SNP_P1_148430_30130425	NC_021166.1	Ca_kabuli_chr07	30130425	AA	CC	1940414587
SNP_P1_148431_30130430	NC_021166.1	Ca_kabuli_chr07	30130430	GG	AA	1940414589
SNP_P1_148433_30130878	NC_021166.1	Ca_kabuli_chr07	30130878	CC	GG	1940414591
SNP_P1_148435_30131597	NC_021166.1	Ca_kabuli_chr07	30131597	TT	AA	1940414593

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148437_30131739	NC_021166.1	Ca_kabuli_chr07	30131739	GG	TT	1940414596
SNP_P1_148438_30131774	NC_021166.1	Ca_kabuli_chr07	30131774	AA	CC	1940414598
SNP_P1_148439_30131781	NC_021166.1	Ca_kabuli_chr07	30131781	GG	AA	1940414600
SNP_P1_148440_30131786	NC_021166.1	Ca_kabuli_chr07	30131786	GG	AA	1940414602
SNP_P1_148441_30131954	NC_021166.1	Ca_kabuli_chr07	30131954	CC	GG	1940414603
SNP_P1_148443_30132019	NC_021166.1	Ca_kabuli_chr07	30132019	GG	AA	1940414605
SNP_P1_148444_30132096	NC_021166.1	Ca_kabuli_chr07	30132096	CC	TT	1940414606
SNP_P1_148445_30132100	NC_021166.1	Ca_kabuli_chr07	30132100	AA	GG	1940414607
SNP_P1_148446_30132112	NC_021166.1	Ca_kabuli_chr07	30132112	CC	TT	1940414608
SNP_P1_148447_30132236	NC_021166.1	Ca_kabuli_chr07	30132236	GG	TT	1940414609
SNP_P1_148448_30132899	NC_021166.1	Ca_kabuli_chr07	30132899	TT	GG	1940414610
SNP_P1_148449_30133069	NC_021166.1	Ca_kabuli_chr07	30133069	CC	TT	1940414611
SNP_P1_148450_30133158	NC_021166.1	Ca_kabuli_chr07	30133158	TT	CC	1940414612
SNP_P1_148451_30133291	NC_021166.1	Ca_kabuli_chr07	30133291	CC	TT	1940414613
SNP_P1_148452_30133316	NC_021166.1	Ca_kabuli_chr07	30133316	AA	TT	1940414614
SNP_P1_148453_30133498	NC_021166.1	Ca_kabuli_chr07	30133498	TT	CC	1940414615
SNP_P1_148454_30133518	NC_021166.1	Ca_kabuli_chr07	30133518	TT	GG	1940414616
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SNP_P1_148458_30134039	NC_021166.1	Ca_kabuli_chr07	30134039	AA	TT	1940414620
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SNP_P1_148462_30135917	NC_021166.1	Ca_kabuli_chr07	30135917	TT	GG	1940414624
SNP_P1_148463_30137908	NC_021166.1	Ca_kabuli_chr07	30137908	TT	CC	1940414625
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SNP_P1_148467_30138226	NC_021166.1	Ca_kabuli_chr07	30138226	CC	TT	1940414627
SNP_P1_148468_30138251	NC_021166.1	Ca_kabuli_chr07	30138251	AA	GG	1940414628
SNP_P1_148469_30138332	NC_021166.1	Ca_kabuli_chr07	30138332	AA	CC	1940414629
SNP_P1_148470_30138374	NC_021166.1	Ca_kabuli_chr07	30138374	CC	TT	1940414630
SNP_P1_148471_30138546	NC_021166.1	Ca_kabuli_chr07	30138546	TT	CC	1940414631
SNP_P1_148472_30138565	NC_021166.1	Ca_kabuli_chr07	30138565	GG	AA	1940414632
SNP_P1_148473_30138842	NC_021166.1	Ca_kabuli_chr07	30138842	CC	AA	1940414633
SNP_P1_148474_30140158	NC_021166.1	Ca_kabuli_chr07	30140158	AA	GG	1940414634
SNP_P1_148475_30140311	NC_021166.1	Ca_kabuli_chr07	30140311	TT	CC	1940414635
SNP_P1_148477_30140386	NC_021166.1	Ca_kabuli_chr07	30140386	TT	CC	1940414636
SNP_P1_148478_30140605	NC_021166.1	Ca_kabuli_chr07	30140605	AA	TT	1940414637
SNP_P1_148479_30141000	NC_021166.1	Ca_kabuli_chr07	30141000	TT	AA	1940414638
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SNP_P1_148481_30143338	NC_021166.1	Ca_kabuli_chr07	30143338	CC	TT	1940414640

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148484_30146530	NC_021166.1	Ca_kabuli_chr07	30146530	TT	CC	1940414642
SNP_P1_148485_30149035	NC_021166.1	Ca_kabuli_chr07	30149035	TT	AA	1940414643
SNP_P1_148486_30149076	NC_021166.1	Ca_kabuli_chr07	30149076	TT	AA	1940414644
SNP_P1_148487_30149091	NC_021166.1	Ca_kabuli_chr07	30149091	TT	GG	1940414645
SNP_P1_148488_30149100	NC_021166.1	Ca_kabuli_chr07	30149100	TT	GG	1940414646
SNP_P1_148489_30149112	NC_021166.1	Ca_kabuli_chr07	30149112	CC	AA	1940414647
SNP_P1_148490_30149428	NC_021166.1	Ca_kabuli_chr07	30149428	AA	GG	1940414648
SNP_P1_148493_30150511	NC_021166.1	Ca_kabuli_chr07	30150511	AA	GG	1940414649
SNP_P1_148495_30152147	NC_021166.1	Ca_kabuli_chr07	30152147	TT	AA	1940414650
SNP_P1_148496_30152261	NC_021166.1	Ca_kabuli_chr07	30152261	AA	GG	1940414651
SNP_P1_148497_30152390	NC_021166.1	Ca_kabuli_chr07	30152390	CC	TT	1940414652
SNP_P1_148498_30152420	NC_021166.1	Ca_kabuli_chr07	30152420	GG	AA	1940414653
SNP_P1_148499_30152632	NC_021166.1	Ca_kabuli_chr07	30152632	CC	AA	1940414654
SNP_P1_148500_30152712	NC_021166.1	Ca_kabuli_chr07	30152712	GG	AA	1940414655
SNP_P1_148501_30154307	NC_021166.1	Ca_kabuli_chr07	30154307	AA	TT	1940414656
SNP_P1_148502_30154312	NC_021166.1	Ca_kabuli_chr07	30154312	TT	GG	1940414657
SNP_P1_148503_30154314	NC_021166.1	Ca_kabuli_chr07	30154314	GG	TT	1940414658
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SNP_P1_148506_30155637	NC_021166.1	Ca_kabuli_chr07	30155637	GG	AA	1940414660
SNP_P1_148507_30156027	NC_021166.1	Ca_kabuli_chr07	30156027	GG	AA	1940414661
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SNP_P1_148509_30156184	NC_021166.1	Ca_kabuli_chr07	30156184	CC	TT	1940414663
SNP_P1_148510_30156455	NC_021166.1	Ca_kabuli_chr07	30156455	GG	AA	1940414664
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SNP_P1_148512_30156653	NC_021166.1	Ca_kabuli_chr07	30156653	TT	AA	1940414666
SNP_P1_148513_30156654	NC_021166.1	Ca_kabuli_chr07	30156654	TT	AA	1940414667
SNP_P1_148515_30156844	NC_021166.1	Ca_kabuli_chr07	30156844	TT	CC	1940414668
SNP_P1_148516_30156876	NC_021166.1	Ca_kabuli_chr07	30156876	TT	CC	1940414669
SNP_P1_148517_30157124	NC_021166.1	Ca_kabuli_chr07	30157124	CC	TT	1940414670
SNP_P1_148518_30157194	NC_021166.1	Ca_kabuli_chr07	30157194	TT	CC	1940414671
SNP_P1_148519_30157366	NC_021166.1	Ca_kabuli_chr07	30157366	CC	TT	1940414672
SNP_P1_148520_30157457	NC_021166.1	Ca_kabuli_chr07	30157457	TT	AA	1940414673
SNP_P1_148522_30157703	NC_021166.1	Ca_kabuli_chr07	30157703	TT	CC	1940414674
SNP_P1_148523_30157713	NC_021166.1	Ca_kabuli_chr07	30157713	TT	CC	1940414675
SNP_P1_148526_30157924	NC_021166.1	Ca_kabuli_chr07	30157924	AA	TT	1940414676
SNP_P1_148527_30159006	NC_021166.1	Ca_kabuli_chr07	30159006	TT	CC	1940414677
SNP_P1_148528_30159084	NC_021166.1	Ca_kabuli_chr07	30159084	CC	TT	1940414678
SNP_P1_148529_30159225	NC_021166.1	Ca_kabuli_chr07	30159225	GG	AA	1940414679
SNP_P1_148531_30160413	NC_021166.1	Ca_kabuli_chr07	30160413	GG	AA	1940414680
SNP_P1_148532_30160417	NC_021166.1	Ca_kabuli_chr07	30160417	CC	TT	1940414681
SNP_P1_148533_30160418	NC_021166.1	Ca_kabuli_chr07	30160418	AA	GG	1940414682

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148537_30160824	NC_021166.1	Ca_kabuli_chr07	30160824	TT	AA	1940414685
SNP_P1_148538_30160840	NC_021166.1	Ca_kabuli_chr07	30160840	AA	TT	1940414687
SNP_P1_148539_30160843	NC_021166.1	Ca_kabuli_chr07	30160843	GG	AA	1940414688
SNP_P1_148540_30160844	NC_021166.1	Ca_kabuli_chr07	30160844	GG	AA	1940414689
SNP_P1_148541_30160896	NC_021166.1	Ca_kabuli_chr07	30160896	TT	CC	1940414690
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SNP_P1_148543_30160986	NC_021166.1	Ca_kabuli_chr07	30160986	TT	CC	1940414692
SNP_P1_148544_30161050	NC_021166.1	Ca_kabuli_chr07	30161050	CC	TT	1940414693
SNP_P1_148545_30161179	NC_021166.1	Ca_kabuli_chr07	30161179	GG	AA	1940414694
SNP_P1_148546_30161287	NC_021166.1	Ca_kabuli_chr07	30161287	GG	AA	1940414695
SNP_P1_148547_30161312	NC_021166.1	Ca_kabuli_chr07	30161312	CC	TT	1940414696
SNP_P1_148549_30161618	NC_021166.1	Ca_kabuli_chr07	30161618	TT	CC	1940414697
SNP_P1_148552_30161803	NC_021166.1	Ca_kabuli_chr07	30161803	AA	TT	1940414698
SNP_P1_148553_30166177	NC_021166.1	Ca_kabuli_chr07	30166177	GG	AA	1940414699
SNP_P1_148555_30166203	NC_021166.1	Ca_kabuli_chr07	30166203	GG	AA	1940414700
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SNP_P1_148561_30167159	NC_021166.1	Ca_kabuli_chr07	30167159	AA	CC	1940414705
SNP_P1_148563_30168939	NC_021166.1	Ca_kabuli_chr07	30168939	GG	AA	1940414706
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SNP_P1_148568_30172691	NC_021166.1	Ca_kabuli_chr07	30172691	CC	AA	1940414709
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SNP_P1_148571_30172983	NC_021166.1	Ca_kabuli_chr07	30172983	GG	TT	1940414712
SNP_P1_148572_30173185	NC_021166.1	Ca_kabuli_chr07	30173185	TT	CC	1940414713
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SNP_P1_148575_30173484	NC_021166.1	Ca_kabuli_chr07	30173484	TT	CC	1940414715
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SNP_P1_148577_30174426	NC_021166.1	Ca_kabuli_chr07	30174426	CC	TT	1940414717
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SNP_P1_148580_30175510	NC_021166.1	Ca_kabuli_chr07	30175510	GG	AA	1940414720
SNP_P1_148581_30175531	NC_021166.1	Ca_kabuli_chr07	30175531	TT	GG	1940414721
SNP_P1_148582_30183385	NC_021166.1	Ca_kabuli_chr07	30183385	TT	CC	1940414722
SNP_P1_148583_30185289	NC_021166.1	Ca_kabuli_chr07	30185289	AA	CC	1940414723
SNP_P1_148584_30185293	NC_021166.1	Ca_kabuli_chr07	30185293	GG	AA	1940414724
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148590_30189265	NC_021166.1	Ca_kabuli_chr07	30189265	TT	CC	1940414728
SNP_P1_148593_30189574	NC_021166.1	Ca_kabuli_chr07	30189574	CC	GG	1940414729
SNP_P1_148595_30189790	NC_021166.1	Ca_kabuli_chr07	30189790	CC	AA	1940414730
SNP_P1_148596_30189832	NC_021166.1	Ca_kabuli_chr07	30189832	CC	AA	1940414731
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SNP_P1_148600_30191086	NC_021166.1	Ca_kabuli_chr07	30191086	AA	GG	1940414733
SNP_P1_148601_30191238	NC_021166.1	Ca_kabuli_chr07	30191238	CC	GG	1940414734
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SNP_P1_148603_30191264	NC_021166.1	Ca_kabuli_chr07	30191264	TT	AA	1940414736
SNP_P1_148604_30191283	NC_021166.1	Ca_kabuli_chr07	30191283	AA	TT	1940414737
SNP_P1_148606_30191365	NC_021166.1	Ca_kabuli_chr07	30191365	AA	TT	1940414738
SNP_P1_148607_30191719	NC_021166.1	Ca_kabuli_chr07	30191719	TT	GG	1940414739
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SNP_P1_148611_30192380	NC_021166.1	Ca_kabuli_chr07	30192380	CC	AA	1940414741
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SNP_P1_148616_30192579	NC_021166.1	Ca_kabuli_chr07	30192579	CC	TT	1940414745
SNP_P1_148619_30192692	NC_021166.1	Ca_kabuli_chr07	30192692	CC	TT	1940414746
SNP_P1_148620_30192903	NC_021166.1	Ca_kabuli_chr07	30192903	CC	TT	1940414747
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SNP_P1_148628_30193569	NC_021166.1	Ca_kabuli_chr07	30193569	TT	AA	1940414755
SNP_P1_148629_30193810	NC_021166.1	Ca_kabuli_chr07	30193810	CC	AA	1940414756
SNP_P1_148630_30194031	NC_021166.1	Ca_kabuli_chr07	30194031	TT	AA	1940414757
SNP_P1_148631_30195968	NC_021166.1	Ca_kabuli_chr07	30195968	TT	GG	1940414758
SNP_P1_148632_30196805	NC_021166.1	Ca_kabuli_chr07	30196805	CC	TT	1940414759
SNP_P1_148633_30197094	NC_021166.1	Ca_kabuli_chr07	30197094	TT	CC	1940414760
SNP_P1_148634_30197095	NC_021166.1	Ca_kabuli_chr07	30197095	CC	AA	1940414761
SNP_P1_148635_30197133	NC_021166.1	Ca_kabuli_chr07	30197133	CC	TT	1940414762
SNP_P1_148636_30197897	NC_021166.1	Ca_kabuli_chr07	30197897	GG	AA	1940414763
SNP_P1_148637_30198085	NC_021166.1	Ca_kabuli_chr07	30198085	AA	CC	1940414764
SNP_P1_148639_30198262	NC_021166.1	Ca_kabuli_chr07	30198262	AA	GG	1940414765
SNP_P1_148641_30200609	NC_021166.1	Ca_kabuli_chr07	30200609	TT	CC	1940414766
SNP_P1_148642_30200617	NC_021166.1	Ca_kabuli_chr07	30200617	CC	GG	1940414767

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148645_30201517	NC_021166.1	Ca_kabuli_chr07	30201517	GG	TT	1940414770
SNP_P1_148646_30201539	NC_021166.1	Ca_kabuli_chr07	30201539	TT	AA	1940414771
SNP_P1_148647_30201593	NC_021166.1	Ca_kabuli_chr07	30201593	GG	AA	1940414772
SNP_P1_148648_30201618	NC_021166.1	Ca_kabuli_chr07	30201618	TT	CC	1940414773
SNP_P1_148649_30201856	NC_021166.1	Ca_kabuli_chr07	30201856	GG	TT	1940414774
SNP_P1_148650_30202042	NC_021166.1	Ca_kabuli_chr07	30202042	GG	AA	1940414775
SNP_P1_148651_30203542	NC_021166.1	Ca_kabuli_chr07	30203542	TT	CC	1940414776
SNP_P1_148652_30204961	NC_021166.1	Ca_kabuli_chr07	30204961	GG	TT	1940414777
SNP_P1_148654_30205275	NC_021166.1	Ca_kabuli_chr07	30205275	CC	GG	1940414778
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SNP_P1_148658_30205373	NC_021166.1	Ca_kabuli_chr07	30205373	AA	GG	1940414782
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SNP_P1_148660_30205424	NC_021166.1	Ca_kabuli_chr07	30205424	GG	AA	1940414784
SNP_P1_148661_30205458	NC_021166.1	Ca_kabuli_chr07	30205458	CC	AA	1940414785
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SNP_P1_148664_30205502	NC_021166.1	Ca_kabuli_chr07	30205502	TT	CC	1940414788
SNP_P1_148665_30206219	NC_021166.1	Ca_kabuli_chr07	30206219	GG	AA	1940414789
SNP_P1_148666_30206786	NC_021166.1	Ca_kabuli_chr07	30206786	CC	GG	1940414790
SNP_P1_148667_30207407	NC_021166.1	Ca_kabuli_chr07	30207407	GG	TT	1940414791
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SNP_P1_148671_30207849	NC_021166.1	Ca_kabuli_chr07	30207849	GG	TT	1940414794
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SNP_P1_148673_30207941	NC_021166.1	Ca_kabuli_chr07	30207941	TT	AA	1940414796
SNP_P1_148674_30207961	NC_021166.1	Ca_kabuli_chr07	30207961	GG	AA	1940414797
SNP_P1_148675_30207981	NC_021166.1	Ca_kabuli_chr07	30207981	AA	CC	1940414798
SNP_P1_148676_30207992	NC_021166.1	Ca_kabuli_chr07	30207992	GG	CC	1940414799
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SNP_P1_148678_30208018	NC_021166.1	Ca_kabuli_chr07	30208018	TT	CC	1940414801
SNP_P1_148679_30208021	NC_021166.1	Ca_kabuli_chr07	30208021	CC	AA	1940414802
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SNP_P1_148683_30208132	NC_021166.1	Ca_kabuli_chr07	30208132	AA	GG	1940414806
SNP_P1_148684_30208139	NC_021166.1	Ca_kabuli_chr07	30208139	GG	TT	1940414807
SNP_P1_148685_30208157	NC_021166.1	Ca_kabuli_chr07	30208157	TT	CC	1940414808
SNP_P1_148687_30208185	NC_021166.1	Ca_kabuli_chr07	30208185	GG	CC	1940414809

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148690_30208214	NC_021166.1	Ca_kabuli_chr07	30208214	GG	AA	1940414812
SNP_P1_148691_30208223	NC_021166.1	Ca_kabuli_chr07	30208223	AA	GG	1940414813
SNP_P1_148692_30208257	NC_021166.1	Ca_kabuli_chr07	30208257	AA	TT	1940414814
SNP_P1_148693_30208272	NC_021166.1	Ca_kabuli_chr07	30208272	AA	CC	1940414815
SNP_P1_148695_30208313	NC_021166.1	Ca_kabuli_chr07	30208313	TT	CC	1940414816
SNP_P1_148696_30208318	NC_021166.1	Ca_kabuli_chr07	30208318	AA	GG	1940414817
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SNP_P1_148699_30208448	NC_021166.1	Ca_kabuli_chr07	30208448	AA	GG	1940414820
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SNP_P1_148701_30208695	NC_021166.1	Ca_kabuli_chr07	30208695	TT	CC	1940414823
SNP_P1_148702_30208747	NC_021166.1	Ca_kabuli_chr07	30208747	TT	GG	1940414824
SNP_P1_148704_30208827	NC_021166.1	Ca_kabuli_chr07	30208827	TT	CC	1940414825
SNP_P1_148705_30208889	NC_021166.1	Ca_kabuli_chr07	30208889	AA	GG	1940414826
SNP_P1_148706_30208897	NC_021166.1	Ca_kabuli_chr07	30208897	TT	CC	1940414827
SNP_P1_148707_30208944	NC_021166.1	Ca_kabuli_chr07	30208944	AA	TT	1940414828
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SNP_P1_148711_30217429	NC_021166.1	Ca_kabuli_chr07	30217429	AA	GG	1940414832
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148737_30226674	NC_021166.1	Ca_kabuli_chr07	30226674	AA	GG	1940414855
SNP_P1_148738_30226731	NC_021166.1	Ca_kabuli_chr07	30226731	AA	CC	1940414856
SNP_P1_148739_30226736	NC_021166.1	Ca_kabuli_chr07	30226736	TT	CC	1940414857
SNP_P1_148741_30226790	NC_021166.1	Ca_kabuli_chr07	30226790	CC	TT	1940414858
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SNP_P1_148744_30226868	NC_021166.1	Ca_kabuli_chr07	30226868	AA	GG	1940414861
SNP_P1_148745_30226874	NC_021166.1	Ca_kabuli_chr07	30226874	AA	CC	1940414862
SNP_P1_148746_30226887	NC_021166.1	Ca_kabuli_chr07	30226887	CC	TT	1940414863
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SNP_P1_148750_30227303	NC_021166.1	Ca_kabuli_chr07	30227303	CC	AA	1940414865
SNP_P1_148751_30227608	NC_021166.1	Ca_kabuli_chr07	30227608	CC	TT	1940414866
SNP_P1_148752_30228082	NC_021166.1	Ca_kabuli_chr07	30228082	GG	AA	1940414867
SNP_P1_148753_30228489	NC_021166.1	Ca_kabuli_chr07	30228489	AA	CC	1940414868
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SNP_P1_148756_30228552	NC_021166.1	Ca_kabuli_chr07	30228552	AA	TT	1940414871
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SNP_P1_148760_30228902	NC_021166.1	Ca_kabuli_chr07	30228902	GG	AA	1940414873
SNP_P1_148761_30228931	NC_021166.1	Ca_kabuli_chr07	30228931	GG	AA	1940414874
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SNP_P1_148777_30230110	NC_021166.1	Ca_kabuli_chr07	30230110	AA	GG	1940414888
SNP_P1_148778_30230111	NC_021166.1	Ca_kabuli_chr07	30230111	TT	CC	1940414889
SNP_P1_148779_30231255	NC_021166.1	Ca_kabuli_chr07	30231255	CC	TT	1940414890
SNP_P1_148780_30231762	NC_021166.1	Ca_kabuli_chr07	30231762	CC	TT	1940414891
SNP_P1_148782_30231890	NC_021166.1	Ca_kabuli_chr07	30231890	CC	TT	1940414892
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SNP_P1_148784_30231974	NC_021166.1	Ca_kabuli_chr07	30231974	AA	CC	1940414894

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148787_30232165	NC_021166.1	Ca_kabuli_chr07	30232165	AA	GG	1940414897
SNP_P1_148788_30232189	NC_021166.1	Ca_kabuli_chr07	30232189	GG	AA	1940414898
SNP_P1_148789_30232205	NC_021166.1	Ca_kabuli_chr07	30232205	CC	TT	1940414899
SNP_P1_148790_30232252	NC_021166.1	Ca_kabuli_chr07	30232252	CC	TT	1940414900
SNP_P1_148791_30232277	NC_021166.1	Ca_kabuli_chr07	30232277	CC	TT	1940414901
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SNP_P1_148796_30232667	NC_021166.1	Ca_kabuli_chr07	30232667	GG	AA	1940414904
SNP_P1_148797_30232675	NC_021166.1	Ca_kabuli_chr07	30232675	TT	GG	1940414905
SNP_P1_148800_30235254	NC_021166.1	Ca_kabuli_chr07	30235254	GG	AA	1940414906
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SNP_P1_148811_30237899	NC_021166.1	Ca_kabuli_chr07	30237899	AA	GG	1940414916
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SNP_P1_148813_30239164	NC_021166.1	Ca_kabuli_chr07	30239164	CC	TT	1940414918
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SNP_P1_148824_30241061	NC_021166.1	Ca_kabuli_chr07	30241061	AA	GG	1940414926
SNP_P1_148825_30241119	NC_021166.1	Ca_kabuli_chr07	30241119	AA	GG	1940414927
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SNP_P1_148828_30241163	NC_021166.1	Ca_kabuli_chr07	30241163	AA	GG	1940414931
SNP_P1_148829_30241950	NC_021166.1	Ca_kabuli_chr07	30241950	TT	CC	1940414932
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SNP_P1_148833_30242101	NC_021166.1	Ca_kabuli_chr07	30242101	CC	AA	1940414936
SNP_P1_148834_30243165	NC_021166.1	Ca_kabuli_chr07	30243165	AA	TT	1940414937

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148836_30243623	NC_021166.1	Ca_kabuli_chr07	30243623	AA	GG	1940414939
SNP_P1_148837_30243770	NC_021166.1	Ca_kabuli_chr07	30243770	TT	GG	1940414940
SNP_P1_148838_30243900	NC_021166.1	Ca_kabuli_chr07	30243900	GG	AA	1940414941
SNP_P1_148839_30244010	NC_021166.1	Ca_kabuli_chr07	30244010	GG	AA	1940414942
SNP_P1_148840_30244098	NC_021166.1	Ca_kabuli_chr07	30244098	AA	TT	1940414943
SNP_P1_148841_30244131	NC_021166.1	Ca_kabuli_chr07	30244131	TT	AA	1940414944
SNP_P1_148842_30244132	NC_021166.1	Ca_kabuli_chr07	30244132	AA	TT	1940414945
SNP_P1_148843_30244133	NC_021166.1	Ca_kabuli_chr07	30244133	TT	AA	1940414946
SNP_P1_148844_30244173	NC_021166.1	Ca_kabuli_chr07	30244173	CC	AA	1940414947
SNP_P1_148845_30244317	NC_021166.1	Ca_kabuli_chr07	30244317	AA	GG	1940414948
SNP_P1_148846_30244366	NC_021166.1	Ca_kabuli_chr07	30244366	TT	AA	1940414949
SNP_P1_148847_30244404	NC_021166.1	Ca_kabuli_chr07	30244404	CC	TT	1940414950
SNP_P1_148848_30245260	NC_021166.1	Ca_kabuli_chr07	30245260	AA	CC	1940414951
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SNP_P1_148862_30248370	NC_021166.1	Ca_kabuli_chr07	30248370	AA	CC	1940414964
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SNP_P1_148864_30250224	NC_021166.1	Ca_kabuli_chr07	30250224	CC	TT	1940414966
SNP_P1_148865_30252241	NC_021166.1	Ca_kabuli_chr07	30252241	TT	AA	1940414967
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SNP_P1_148875_30257927	NC_021166.1	Ca_kabuli_chr07	30257927	CC	GG	1940414975
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SNP_P1_148877_30258291	NC_021166.1	Ca_kabuli_chr07	30258291	AA	TT	1940414977
SNP_P1_148878_30258326	NC_021166.1	Ca_kabuli_chr07	30258326	GG	CC	1940414978
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148882_30258758	NC_021166.1	Ca_kabuli_chr07	30258758	TT	AA	1940414982
SNP_P1_148883_30259023	NC_021166.1	Ca_kabuli_chr07	30259023	AA	TT	1940414983
SNP_P1_148884_30259903	NC_021166.1	Ca_kabuli_chr07	30259903	AA	GG	1940414984
SNP_P1_148885_30260097	NC_021166.1	Ca_kabuli_chr07	30260097	CC	TT	1940414985
SNP_P1_148886_30260105	NC_021166.1	Ca_kabuli_chr07	30260105	AA	CC	1940414986
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SNP_P1_148888_30260695	NC_021166.1	Ca_kabuli_chr07	30260695	TT	CC	1940414988
SNP_P1_148889_30261355	NC_021166.1	Ca_kabuli_chr07	30261355	GG	AA	1940414989
SNP_P1_148890_30261594	NC_021166.1	Ca_kabuli_chr07	30261594	AA	TT	1940414990
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SNP_P1_148894_30261861	NC_021166.1	Ca_kabuli_chr07	30261861	TT	CC	1940414993
SNP_P1_148895_30262016	NC_021166.1	Ca_kabuli_chr07	30262016	TT	CC	1940414994
SNP_P1_148896_30262059	NC_021166.1	Ca_kabuli_chr07	30262059	CC	AA	1940414995
SNP_P1_148897_30262130	NC_021166.1	Ca_kabuli_chr07	30262130	AA	GG	1940414996
SNP_P1_148898_30262147	NC_021166.1	Ca_kabuli_chr07	30262147	GG	AA	1940414997
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SNP_P1_148917_30267671	NC_021166.1	Ca_kabuli_chr07	30267671	AA	GG	1940415015
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SNP_P1_148919_30267715	NC_021166.1	Ca_kabuli_chr07	30267715	GG	AA	1940415017
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148928_30267977	NC_021166.1	Ca_kabuli_chr07	30267977	TT	CC	1940415025
SNP_P1_148929_30268285	NC_021166.1	Ca_kabuli_chr07	30268285	CC	TT	1940415026
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SNP_P1_148937_30272995	NC_021166.1	Ca_kabuli_chr07	30272995	AA	GG	1940415033
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SNP_P1_148939_30274631	NC_021166.1	Ca_kabuli_chr07	30274631	GG	TT	1940415035
SNP_P1_148940_30274933	NC_021166.1	Ca_kabuli_chr07	30274933	AA	GG	1940415036
SNP_P1_148941_30274935	NC_021166.1	Ca_kabuli_chr07	30274935	AA	GG	1940415037
SNP_P1_148942_30275180	NC_021166.1	Ca_kabuli_chr07	30275180	GG	AA	1940415038
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SNP_P1_148945_30275241	NC_021166.1	Ca_kabuli_chr07	30275241	CC	AA	1940415041
SNP_P1_148946_30275278	NC_021166.1	Ca_kabuli_chr07	30275278	CC	TT	1940415042
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SNP_P1_148951_30276086	NC_021166.1	Ca_kabuli_chr07	30276086	GG	CC	1940415047
SNP_P1_148952_30276253	NC_021166.1	Ca_kabuli_chr07	30276253	AA	TT	1940415048
SNP_P1_148953_30276254	NC_021166.1	Ca_kabuli_chr07	30276254	TT	AA	1940415049
SNP_P1_148954_30276277	NC_021166.1	Ca_kabuli_chr07	30276277	TT	AA	1940415050
SNP_P1_148956_30276443	NC_021166.1	Ca_kabuli_chr07	30276443	GG	AA	1940415051
SNP_P1_148957_30276493	NC_021166.1	Ca_kabuli_chr07	30276493	TT	AA	1940415052
SNP_P1_148959_30276525	NC_021166.1	Ca_kabuli_chr07	30276525	GG	AA	1940415053
SNP_P1_148960_30276550	NC_021166.1	Ca_kabuli_chr07	30276550	AA	CC	1940415054
SNP_P1_148961_30276551	NC_021166.1	Ca_kabuli_chr07	30276551	GG	TT	1940415055
SNP_P1_148962_30276559	NC_021166.1	Ca_kabuli_chr07	30276559	CC	AA	1940415056
SNP_P1_148963_30276578	NC_021166.1	Ca_kabuli_chr07	30276578	GG	AA	1940415057
SNP_P1_148965_30276804	NC_021166.1	Ca_kabuli_chr07	30276804	TT	CC	1940415058
SNP_P1_148966_30278431	NC_021166.1	Ca_kabuli_chr07	30278431	AA	TT	1940415059
SNP_P1_148967_30278511	NC_021166.1	Ca_kabuli_chr07	30278511	GG	AA	1940415060
SNP_P1_148969_30278921	NC_021166.1	Ca_kabuli_chr07	30278921	CC	GG	1940415061
SNP_P1_148971_30279379	NC_021166.1	Ca_kabuli_chr07	30279379	AA	CC	1940415062
SNP_P1_148972_30279391	NC_021166.1	Ca_kabuli_chr07	30279391	TT	GG	1940415063

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_148975_30280160	NC_021166.1	Ca_kabuli_chr07	30280160	AA	CC	1940415065
SNP_P1_148977_30280570	NC_021166.1	Ca_kabuli_chr07	30280570	CC	GG	1940415066
SNP_P1_148978_30280715	NC_021166.1	Ca_kabuli_chr07	30280715	AA	GG	1940415067
SNP_P1_148980_30284254	NC_021166.1	Ca_kabuli_chr07	30284254	CC	AA	1940415069
SNP_P1_148981_30284702	NC_021166.1	Ca_kabuli_chr07	30284702	CC	GG	1940415070
SNP_P1_148982_30284852	NC_021166.1	Ca_kabuli_chr07	30284852	AA	GG	1940415071
SNP_P1_148983_30285031	NC_021166.1	Ca_kabuli_chr07	30285031	TT	AA	1940415072
SNP_P1_148984_30285328	NC_021166.1	Ca_kabuli_chr07	30285328	AA	TT	1940415073
SNP_P1_148985_30286118	NC_021166.1	Ca_kabuli_chr07	30286118	TT	CC	1940415074
SNP_P1_148986_30286179	NC_021166.1	Ca_kabuli_chr07	30286179	TT	CC	1940415075
SNP_P1_148988_30286297	NC_021166.1	Ca_kabuli_chr07	30286297	CC	AA	1940415076
SNP_P1_148989_30287425	NC_021166.1	Ca_kabuli_chr07	30287425	AA	GG	1940415077
SNP_P1_148990_30287744	NC_021166.1	Ca_kabuli_chr07	30287744	AA	CC	1940415078
SNP_P1_148991_30287784	NC_021166.1	Ca_kabuli_chr07	30287784	TT	CC	1940415079
SNP_P1_148993_30288481	NC_021166.1	Ca_kabuli_chr07	30288481	CC	TT	1940415080
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SNP_P1_148997_30292090	NC_021166.1	Ca_kabuli_chr07	30292090	GG	AA	1940415084
SNP_P1_148998_30292248	NC_021166.1	Ca_kabuli_chr07	30292248	CC	TT	1940415085
SNP_P1_148999_30293753	NC_021166.1	Ca_kabuli_chr07	30293753	AA	TT	1940415086
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SNP_P1_149011_30298398	NC_021166.1	Ca_kabuli_chr07	30298398	GG	AA	1940415095
SNP_P1_149013_30298686	NC_021166.1	Ca_kabuli_chr07	30298686	AA	GG	1940415096
SNP_P1_149014_30299320	NC_021166.1	Ca_kabuli_chr07	30299320	CC	GG	1940415097
SNP_P1_149015_30299773	NC_021166.1	Ca_kabuli_chr07	30299773	AA	GG	1940415098
SNP_P1_149017_30300469	NC_021166.1	Ca_kabuli_chr07	30300469	AA	TT	1940415099
SNP_P1_149018_30300674	NC_021166.1	Ca_kabuli_chr07	30300674	AA	GG	1940415100
SNP_P1_149019_30300693	NC_021166.1	Ca_kabuli_chr07	30300693	TT	AA	1940415101
SNP_P1_149020_30300726	NC_021166.1	Ca_kabuli_chr07	30300726	CC	TT	1940415102
SNP_P1_149021_30300780	NC_021166.1	Ca_kabuli_chr07	30300780	CC	TT	1940415103
SNP_P1_149022_30300810	NC_021166.1	Ca_kabuli_chr07	30300810	TT	GG	1940415104
SNP_P1_149023_30300953	NC_021166.1	Ca_kabuli_chr07	30300953	TT	CC	1940415105
SNP_P1_149024_30300957	NC_021166.1	Ca_kabuli_chr07	30300957	TT	CC	1940415106

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149028_30303198	NC_021166.1	Ca_kabuli_chr07	30303198	CC	TT	1940415109
SNP_P1_149029_30303246	NC_021166.1	Ca_kabuli_chr07	30303246	TT	CC	1940415110
SNP_P1_149031_30303401	NC_021166.1	Ca_kabuli_chr07	30303401	GG	AA	1940415111
SNP_P1_149032_30303530	NC_021166.1	Ca_kabuli_chr07	30303530	GG	AA	1940415112
SNP_P1_149033_30303534	NC_021166.1	Ca_kabuli_chr07	30303534	TT	CC	1940415113
SNP_P1_149034_30303553	NC_021166.1	Ca_kabuli_chr07	30303553	TT	CC	1940415114
SNP_P1_149035_30303571	NC_021166.1	Ca_kabuli_chr07	30303571	TT	CC	1940415115
SNP_P1_149036_30303645	NC_021166.1	Ca_kabuli_chr07	30303645	GG	AA	1940415116
SNP_P1_149037_30303656	NC_021166.1	Ca_kabuli_chr07	30303656	CC	TT	1940415117
SNP_P1_149038_30303669	NC_021166.1	Ca_kabuli_chr07	30303669	AA	CC	1940415118
SNP_P1_149039_30303686	NC_021166.1	Ca_kabuli_chr07	30303686	TT	AA	1940415119
SNP_P1_149040_30303718	NC_021166.1	Ca_kabuli_chr07	30303718	TT	CC	1940415120
SNP_P1_149042_30303744	NC_021166.1	Ca_kabuli_chr07	30303744	CC	AA	1940415121
SNP_P1_149043_30303768	NC_021166.1	Ca_kabuli_chr07	30303768	TT	CC	1940415122
SNP_P1_149044_30303881	NC_021166.1	Ca_kabuli_chr07	30303881	CC	TT	1940415123
SNP_P1_149045_30303887	NC_021166.1	Ca_kabuli_chr07	30303887	TT	CC	1940415124
SNP_P1_149046_30303954	NC_021166.1	Ca_kabuli_chr07	30303954	TT	AA	1940415125
SNP_P1_149047_30303979	NC_021166.1	Ca_kabuli_chr07	30303979	CC	TT	1940415126
SNP_P1_149048_30303980	NC_021166.1	Ca_kabuli_chr07	30303980	CC	TT	1940415127
SNP_P1_149049_30304013	NC_021166.1	Ca_kabuli_chr07	30304013	GG	CC	1940415128
SNP_P1_149050_30304018	NC_021166.1	Ca_kabuli_chr07	30304018	TT	AA	1940415129
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SNP_P1_149052_30304088	NC_021166.1	Ca_kabuli_chr07	30304088	AA	GG	1940415131
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SNP_P1_149055_30306852	NC_021166.1	Ca_kabuli_chr07	30306852	AA	TT	1940415133
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SNP_P1_149058_30306933	NC_021166.1	Ca_kabuli_chr07	30306933	GG	AA	1940415135
SNP_P1_149059_30306938	NC_021166.1	Ca_kabuli_chr07	30306938	AA	TT	1940415136
SNP_P1_149060_30306939	NC_021166.1	Ca_kabuli_chr07	30306939	AA	TT	1940415137
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SNP_P1_149062_30306973	NC_021166.1	Ca_kabuli_chr07	30306973	TT	CC	1940415139
SNP_P1_149063_30307695	NC_021166.1	Ca_kabuli_chr07	30307695	TT	CC	1940415140
SNP_P1_149065_30308315	NC_021166.1	Ca_kabuli_chr07	30308315	GG	AA	1940415141
SNP_P1_149066_30308320	NC_021166.1	Ca_kabuli_chr07	30308320	CC	GG	1940415142
SNP_P1_149067_30308366	NC_021166.1	Ca_kabuli_chr07	30308366	GG	AA	1940415143
SNP_P1_149068_30308658	NC_021166.1	Ca_kabuli_chr07	30308658	TT	AA	1940415144
SNP_P1_149069_30308685	NC_021166.1	Ca_kabuli_chr07	30308685	TT	AA	1940415145
SNP_P1_149070_30309193	NC_021166.1	Ca_kabuli_chr07	30309193	TT	CC	1940415146
SNP_P1_149071_30309613	NC_021166.1	Ca_kabuli_chr07	30309613	TT	AA	1940415147
SNP_P1_149073_30310555	NC_021166.1	Ca_kabuli_chr07	30310555	GG	TT	1940415148

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149076_30311060	NC_021166.1	Ca_kabuli_chr07	30311060	GG	AA	1940415150
SNP_P1_149077_30311085	NC_021166.1	Ca_kabuli_chr07	30311085	GG	AA	1940415151
SNP_P1_149078_30311466	NC_021166.1	Ca_kabuli_chr07	30311466	GG	CC	1940415152
SNP_P1_149079_30311550	NC_021166.1	Ca_kabuli_chr07	30311550	GG	TT	1940415153
SNP_P1_149080_30311629	NC_021166.1	Ca_kabuli_chr07	30311629	CC	TT	1940415154
SNP_P1_149082_30313157	NC_021166.1	Ca_kabuli_chr07	30313157	TT	AA	1940415155
SNP_P1_149083_30313167	NC_021166.1	Ca_kabuli_chr07	30313167	TT	GG	1940415156
SNP_P1_149085_30314571	NC_021166.1	Ca_kabuli_chr07	30314571	GG	TT	1940415157
SNP_P1_149086_30314575	NC_021166.1	Ca_kabuli_chr07	30314575	AA	GG	1940415158
SNP_P1_149087_30314601	NC_021166.1	Ca_kabuli_chr07	30314601	AA	TT	1940415159
SNP_P1_149088_30315461	NC_021166.1	Ca_kabuli_chr07	30315461	CC	AA	1940415160
SNP_P1_149089_30316384	NC_021166.1	Ca_kabuli_chr07	30316384	AA	GG	1940415161
SNP_P1_149090_30316449	NC_021166.1	Ca_kabuli_chr07	30316449	AA	GG	1940415162
SNP_P1_149093_30318696	NC_021166.1	Ca_kabuli_chr07	30318696	AA	GG	1940415163
SNP_P1_149094_30318749	NC_021166.1	Ca_kabuli_chr07	30318749	TT	AA	1940415164
SNP_P1_149095_30319482	NC_021166.1	Ca_kabuli_chr07	30319482	CC	GG	1940415165
SNP_P1_149096_30319485	NC_021166.1	Ca_kabuli_chr07	30319485	TT	AA	1940415166
SNP_P1_149097_30319487	NC_021166.1	Ca_kabuli_chr07	30319487	TT	GG	1940415167
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SNP_P1_149099_30319548	NC_021166.1	Ca_kabuli_chr07	30319548	CC	GG	1940415169
SNP_P1_149100_30319576	NC_021166.1	Ca_kabuli_chr07	30319576	TT	CC	1940415170
SNP_P1_149101_30319586	NC_021166.1	Ca_kabuli_chr07	30319586	GG	CC	1940415171
SNP_P1_149102_30319759	NC_021166.1	Ca_kabuli_chr07	30319759	CC	TT	1940415172
SNP_P1_149103_30320014	NC_021166.1	Ca_kabuli_chr07	30320014	CC	TT	1940415173
SNP_P1_149104_30320022	NC_021166.1	Ca_kabuli_chr07	30320022	AA	GG	1940415174
SNP_P1_149105_30320040	NC_021166.1	Ca_kabuli_chr07	30320040	TT	CC	1940415175
SNP_P1_149106_30320043	NC_021166.1	Ca_kabuli_chr07	30320043	AA	GG	1940415176
SNP_P1_149108_30320554	NC_021166.1	Ca_kabuli_chr07	30320554	CC	TT	1940415177
SNP_P1_149109_30320796	NC_021166.1	Ca_kabuli_chr07	30320796	TT	CC	1940415178
SNP_P1_149110_30321253	NC_021166.1	Ca_kabuli_chr07	30321253	TT	AA	1940415179
SNP_P1_149111_30321259	NC_021166.1	Ca_kabuli_chr07	30321259	TT	GG	1940415180
SNP_P1_149112_30321274	NC_021166.1	Ca_kabuli_chr07	30321274	AA	TT	1940415181
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SNP_P1_149114_30321365	NC_021166.1	Ca_kabuli_chr07	30321365	TT	AA	1940415183
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SNP_P1_149117_30321453	NC_021166.1	Ca_kabuli_chr07	30321453	CC	TT	1940415186
SNP_P1_149118_30321460	NC_021166.1	Ca_kabuli_chr07	30321460	CC	AA	1940415187
SNP_P1_149119_30321478	NC_021166.1	Ca_kabuli_chr07	30321478	TT	GG	1940415188
SNP_P1_149120_30321502	NC_021166.1	Ca_kabuli_chr07	30321502	AA	GG	1940415189
SNP_P1_149121_30321736	NC_021166.1	Ca_kabuli_chr07	30321736	CC	GG	1940415190

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149124_30322645	NC_021166.1	Ca_kabuli_chr07	30322645	CC	GG	1940415193
SNP_P1_149125_30323524	NC_021166.1	Ca_kabuli_chr07	30323524	CC	TT	1940415194
SNP_P1_149126_30323760	NC_021166.1	Ca_kabuli_chr07	30323760	GG	AA	1940415195
SNP_P1_149127_30324100	NC_021166.1	Ca_kabuli_chr07	30324100	CC	TT	1940415196
SNP_P1_149128_30325312	NC_021166.1	Ca_kabuli_chr07	30325312	GG	AA	1940415197
SNP_P1_149129_30325414	NC_021166.1	Ca_kabuli_chr07	30325414	CC	TT	1940415198
SNP_P1_149130_30325527	NC_021166.1	Ca_kabuli_chr07	30325527	TT	AA	1940415199
SNP_P1_149131_30325880	NC_021166.1	Ca_kabuli_chr07	30325880	GG	AA	1940415200
SNP_P1_149132_30325885	NC_021166.1	Ca_kabuli_chr07	30325885	TT	AA	1940415201
SNP_P1_149133_30326736	NC_021166.1	Ca_kabuli_chr07	30326736	TT	AA	1940415202
SNP_P1_149134_30326775	NC_021166.1	Ca_kabuli_chr07	30326775	TT	CC	1940415203
SNP_P1_149136_30326919	NC_021166.1	Ca_kabuli_chr07	30326919	AA	TT	1940415204
SNP_P1_149137_30329254	NC_021166.1	Ca_kabuli_chr07	30329254	CC	TT	1940415205
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SNP_P1_149141_30330356	NC_021166.1	Ca_kabuli_chr07	30330356	TT	GG	1940415209
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SNP_P1_149145_30340689	NC_021166.1	Ca_kabuli_chr07	30340689	TT	CC	1940415213
SNP_P1_149147_30341920	NC_021166.1	Ca_kabuli_chr07	30341920	AA	TT	1940415214
SNP_P1_149148_30341968	NC_021166.1	Ca_kabuli_chr07	30341968	TT	CC	1940415215
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SNP_P1_149154_30344824	NC_021166.1	Ca_kabuli_chr07	30344824	AA	TT	1940415219
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SNP_P1_149156_30345145	NC_021166.1	Ca_kabuli_chr07	30345145	CC	GG	1940415221
SNP_P1_149158_30346499	NC_021166.1	Ca_kabuli_chr07	30346499	GG	AA	1940415222
SNP_P1_149159_30346554	NC_021166.1	Ca_kabuli_chr07	30346554	TT	CC	1940415223
SNP_P1_149160_30346648	NC_021166.1	Ca_kabuli_chr07	30346648	GG	AA	1940415224
SNP_P1_149161_30346659	NC_021166.1	Ca_kabuli_chr07	30346659	AA	GG	1940415225
SNP_P1_149162_30347468	NC_021166.1	Ca_kabuli_chr07	30347468	AA	GG	1940415226
SNP_P1_149163_30347749	NC_021166.1	Ca_kabuli_chr07	30347749	AA	GG	1940415227
SNP_P1_149164_30348436	NC_021166.1	Ca_kabuli_chr07	30348436	TT	CC	1940415228
SNP_P1_149165_30351229	NC_021166.1	Ca_kabuli_chr07	30351229	TT	CC	1940415229
SNP_P1_149166_30351273	NC_021166.1	Ca_kabuli_chr07	30351273	CC	TT	1940415230
SNP_P1_149167_30351332	NC_021166.1	Ca_kabuli_chr07	30351332	CC	TT	1940415231
SNP_P1_149168_30351425	NC_021166.1	Ca_kabuli_chr07	30351425	TT	CC	1940415232
SNP_P1_149169_30351884	NC_021166.1	Ca_kabuli_chr07	30351884	AA	GG	1940415233

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_149170_30353784	NC_021166.1	Ca_kabuli_chr07	30353784	AA	CC	1940415234
SNP_P1_149171_30355106	NC_021166.1	Ca_kabuli_chr07	30355106	GG	TT	1940415235
SNP_P1_149172_30355115	NC_021166.1	Ca_kabuli_chr07	30355115	CC	TT	1940415236
SNP_P1_149173_30355833	NC_021166.1	Ca_kabuli_chr07	30355833	GG	AA	1940415237
SNP_P1_149174_30356006	NC_021166.1	Ca_kabuli_chr07	30356006	CC	TT	1940415238
SNP_P1_149175_30356208	NC_021166.1	Ca_kabuli_chr07	30356208	GG	AA	1940415239
SNP_P1_149176_30356214	NC_021166.1	Ca_kabuli_chr07	30356214	CC	AA	1940415240
SNP_P1_149177_30356282	NC_021166.1	Ca_kabuli_chr07	30356282	CC	TT	1940415241
SNP_P1_149178_30356295	NC_021166.1	Ca_kabuli_chr07	30356295	CC	TT	1940415242
SNP_P1_149179_30356766	NC_021166.1	Ca_kabuli_chr07	30356766	CC	TT	1940415243
SNP_P1_149180_30356774	NC_021166.1	Ca_kabuli_chr07	30356774	CC	TT	1940415244
SNP_P1_149181_30358059	NC_021166.1	Ca_kabuli_chr07	30358059	TT	GG	1940415245
SNP_P1_149182_30358085	NC_021166.1	Ca_kabuli_chr07	30358085	CC	AA	1940415246
SNP_P1_149183_30358148	NC_021166.1	Ca_kabuli_chr07	30358148	CC	TT	1940415247
SNP_P1_149184_30358916	NC_021166.1	Ca_kabuli_chr07	30358916	TT	GG	1940415248
SNP_P1_149186_30365156	NC_021166.1	Ca_kabuli_chr07	30365156	GG	TT	1940415249
SNP_P1_149188_30365409	NC_021166.1	Ca_kabuli_chr07	30365409	GG	AA	1940415250
SNP_P1_149189_30365430	NC_021166.1	Ca_kabuli_chr07	30365430	TT	CC	1940415251
SNP_P1_149190_30365433	NC_021166.1	Ca_kabuli_chr07	30365433	AA	TT	1940415252
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SNP_P1_149194_30366103	NC_021166.1	Ca_kabuli_chr07	30366103	AA	GG	1940415255
SNP_P1_149195_30366221	NC_021166.1	Ca_kabuli_chr07	30366221	AA	GG	1940415256
SNP_P1_149196_30366229	NC_021166.1	Ca_kabuli_chr07	30366229	GG	AA	1940415257
SNP_P1_149197_30366251	NC_021166.1	Ca_kabuli_chr07	30366251	TT	CC	1940415258
SNP_P1_149198_30366277	NC_021166.1	Ca_kabuli_chr07	30366277	CC	TT	1940415259
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SNP_P1_149200_30366297	NC_021166.1	Ca_kabuli_chr07	30366297	GG	AA	1940415261
SNP_P1_149201_30366367	NC_021166.1	Ca_kabuli_chr07	30366367	AA	GG	1940415262
SNP_P1_149202_30366448	NC_021166.1	Ca_kabuli_chr07	30366448	AA	TT	1940415263
SNP_P1_149204_30367294	NC_021166.1	Ca_kabuli_chr07	30367294	TT	CC	1940415264
SNP_P1_149205_30367326	NC_021166.1	Ca_kabuli_chr07	30367326	GG	TT	1940415265
SNP_P1_149206_30367380	NC_021166.1	Ca_kabuli_chr07	30367380	CC	TT	1940415266
SNP_P1_149208_30367522	NC_021166.1	Ca_kabuli_chr07	30367522	TT	GG	1940415267
SNP_P1_149209_30367528	NC_021166.1	Ca_kabuli_chr07	30367528	CC	TT	1940415268
SNP_P1_149210_30367775	NC_021166.1	Ca_kabuli_chr07	30367775	AA	GG	1940415269
SNP_P1_149211_30368620	NC_021166.1	Ca_kabuli_chr07	30368620	GG	CC	1940415270
SNP_P1_149212_30369303	NC_021166.1	Ca_kabuli_chr07	30369303	CC	TT	1940415271
SNP_P1_149213_30374107	NC_021166.1	Ca_kabuli_chr07	30374107	CC	TT	1940415272
SNP_P1_149214_30377101	NC_021166.1	Ca_kabuli_chr07	30377101	GG	CC	1940415273
SNP_P1_149215_30393814	NC_021166.1	Ca_kabuli_chr07	30393814	TT	CC	1940415274
SNP_P1_149216_30393827	NC_021166.1	Ca_kabuli_chr07	30393827	AA	GG	1940415275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149218_30394076	NC_021166.1	Ca_kabuli_chr07	30394076	CC	TT	1940415277
SNP_P1_149219_30394234	NC_021166.1	Ca_kabuli_chr07	30394234	AA	GG	1940415278
SNP_P1_149220_30394281	NC_021166.1	Ca_kabuli_chr07	30394281	AA	GG	1940415279
SNP_P1_149222_30394595	NC_021166.1	Ca_kabuli_chr07	30394595	AA	GG	1940415280
SNP_P1_149223_30394640	NC_021166.1	Ca_kabuli_chr07	30394640	GG	AA	1940415281
SNP_P1_149224_30394654	NC_021166.1	Ca_kabuli_chr07	30394654	AA	GG	1940415282
SNP_P1_149225_30394669	NC_021166.1	Ca_kabuli_chr07	30394669	GG	AA	1940415283
SNP_P1_149229_30395401	NC_021166.1	Ca_kabuli_chr07	30395401	AA	GG	1940415284
SNP_P1_149231_30396131	NC_021166.1	Ca_kabuli_chr07	30396131	GG	AA	1940415285
SNP_P1_149232_30396198	NC_021166.1	Ca_kabuli_chr07	30396198	CC	TT	1940415286
SNP_P1_149233_30396537	NC_021166.1	Ca_kabuli_chr07	30396537	AA	GG	1940415287
SNP_P1_149234_30396886	NC_021166.1	Ca_kabuli_chr07	30396886	GG	TT	1940415288
SNP_P1_149235_30396986	NC_021166.1	Ca_kabuli_chr07	30396986	AA	TT	1940415289
SNP_P1_149236_30397065	NC_021166.1	Ca_kabuli_chr07	30397065	GG	AA	1940415290
SNP_P1_149237_30397079	NC_021166.1	Ca_kabuli_chr07	30397079	AA	GG	1940415291
SNP_P1_149239_30397333	NC_021166.1	Ca_kabuli_chr07	30397333	GG	AA	1940415292
SNP_P1_149240_30406872	NC_021166.1	Ca_kabuli_chr07	30406872	AA	GG	1940415293
SNP_P1_149241_30406874	NC_021166.1	Ca_kabuli_chr07	30406874	AA	GG	1940415294
SNP_P1_149242_30407808	NC_021166.1	Ca_kabuli_chr07	30407808	TT	CC	1940415295
SNP_P1_149243_30408030	NC_021166.1	Ca_kabuli_chr07	30408030	AA	GG	1940415296
SNP_P1_149244_30408334	NC_021166.1	Ca_kabuli_chr07	30408334	GG	AA	1940415297
SNP_P1_149245_30411344	NC_021166.1	Ca_kabuli_chr07	30411344	AA	GG	1940415298
SNP_P1_149246_30412779	NC_021166.1	Ca_kabuli_chr07	30412779	TT	CC	1940415299
SNP_P1_149247_30412781	NC_021166.1	Ca_kabuli_chr07	30412781	GG	AA	1940415300
SNP_P1_149248_30412783	NC_021166.1	Ca_kabuli_chr07	30412783	AA	GG	1940415301
SNP_P1_149249_30412833	NC_021166.1	Ca_kabuli_chr07	30412833	TT	CC	1940415302
SNP_P1_149250_30412926	NC_021166.1	Ca_kabuli_chr07	30412926	CC	TT	1940415303
SNP_P1_149251_30412951	NC_021166.1	Ca_kabuli_chr07	30412951	AA	GG	1940415304
SNP_P1_149252_30412966	NC_021166.1	Ca_kabuli_chr07	30412966	TT	CC	1940415305
SNP_P1_149253_30412974	NC_021166.1	Ca_kabuli_chr07	30412974	GG	TT	1940415306
SNP_P1_149254_30414086	NC_021166.1	Ca_kabuli_chr07	30414086	AA	CC	1940415307
SNP_P1_149255_30414088	NC_021166.1	Ca_kabuli_chr07	30414088	AA	GG	1940415308
SNP_P1_149256_30414094	NC_021166.1	Ca_kabuli_chr07	30414094	CC	TT	1940415309
SNP_P1_149257_30414142	NC_021166.1	Ca_kabuli_chr07	30414142	AA	TT	1940415310
SNP_P1_149258_30414512	NC_021166.1	Ca_kabuli_chr07	30414512	CC	TT	1940415311
SNP_P1_149259_30414532	NC_021166.1	Ca_kabuli_chr07	30414532	TT	AA	1940415312
SNP_P1_149260_30414645	NC_021166.1	Ca_kabuli_chr07	30414645	GG	AA	1940415313
SNP_P1_149261_30414809	NC_021166.1	Ca_kabuli_chr07	30414809	GG	TT	1940415314
SNP_P1_149262_30414863	NC_021166.1	Ca_kabuli_chr07	30414863	AA	GG	1940415315
SNP_P1_149263_30414867	NC_021166.1	Ca_kabuli_chr07	30414867	TT	CC	1940415316
SNP_P1_149264_30414886	NC_021166.1	Ca_kabuli_chr07	30414886	AA	GG	1940415317

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_149265_30414911	NC_021166.1	Ca_kabuli_chr07	30414911	TT	CC	1940415318
SNP_P1_149266_30414914	NC_021166.1	Ca_kabuli_chr07	30414914	GG	TT	1940415319
SNP_P1_149267_30415187	NC_021166.1	Ca_kabuli_chr07	30415187	TT	CC	1940415320
SNP_P1_149268_30415315	NC_021166.1	Ca_kabuli_chr07	30415315	TT	CC	1940415321
SNP_P1_149269_30415321	NC_021166.1	Ca_kabuli_chr07	30415321	CC	TT	1940415322
SNP_P1_149270_30415327	NC_021166.1	Ca_kabuli_chr07	30415327	TT	GG	1940415323
SNP_P1_149271_30415350	NC_021166.1	Ca_kabuli_chr07	30415350	TT	AA	1940415324
SNP_P1_149273_30415408	NC_021166.1	Ca_kabuli_chr07	30415408	TT	CC	1940415325
SNP_P1_149274_30415643	NC_021166.1	Ca_kabuli_chr07	30415643	TT	CC	1940415326
SNP_P1_149275_30415670	NC_021166.1	Ca_kabuli_chr07	30415670	AA	GG	1940415327
SNP_P1_149276_30415775	NC_021166.1	Ca_kabuli_chr07	30415775	AA	GG	1940415328
SNP_P1_149277_30416454	NC_021166.1	Ca_kabuli_chr07	30416454	TT	CC	1940415329
SNP_P1_149279_30422095	NC_021166.1	Ca_kabuli_chr07	30422095	TT	GG	1940415330
SNP_P1_149280_30422780	NC_021166.1	Ca_kabuli_chr07	30422780	CC	TT	1940415331
SNP_P1_149281_30422872	NC_021166.1	Ca_kabuli_chr07	30422872	CC	TT	1940415332
SNP_P1_149284_30424266	NC_021166.1	Ca_kabuli_chr07	30424266	AA	TT	1940415333
SNP_P1_149285_30424498	NC_021166.1	Ca_kabuli_chr07	30424498	CC	TT	1940415334
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SNP_P1_149289_30426821	NC_021166.1	Ca_kabuli_chr07	30426821	CC	AA	1940415337
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SNP_P1_149292_30617434	NC_021166.1	Ca_kabuli_chr07	30617434	GG	AA	1940415340
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SNP_P1_149296_30620858	NC_021166.1	Ca_kabuli_chr07	30620858	CC	GG	1940415344
SNP_P1_149297_30627155	NC_021166.1	Ca_kabuli_chr07	30627155	CC	AA	1940415345
SNP_P1_149298_30627158	NC_021166.1	Ca_kabuli_chr07	30627158	AA	TT	1940415346
SNP_P1_149300_30631228	NC_021166.1	Ca_kabuli_chr07	30631228	GG	AA	1940415347
SNP_P1_149301_30632440	NC_021166.1	Ca_kabuli_chr07	30632440	AA	GG	1940415348
SNP_P1_149302_30634194	NC_021166.1	Ca_kabuli_chr07	30634194	CC	AA	1940415349
SNP_P1_149303_30634282	NC_021166.1	Ca_kabuli_chr07	30634282	GG	TT	1940415350
SNP_P1_149304_30634283	NC_021166.1	Ca_kabuli_chr07	30634283	TT	GG	1940415351
SNP_P1_149306_30639232	NC_021166.1	Ca_kabuli_chr07	30639232	CC	TT	1940415352
SNP_P1_149307_30641811	NC_021166.1	Ca_kabuli_chr07	30641811	GG	AA	1940415353
SNP_P1_149308_30647076	NC_021166.1	Ca_kabuli_chr07	30647076	CC	TT	1940415354
SNP_P1_149309_30649926	NC_021166.1	Ca_kabuli_chr07	30649926	GG	TT	1940415355
SNP_P1_149310_30649944	NC_021166.1	Ca_kabuli_chr07	30649944	GG	AA	1940415356
SNP_P1_149311_30650297	NC_021166.1	Ca_kabuli_chr07	30650297	CC	TT	1940415357
SNP_P1_149312_30650906	NC_021166.1	Ca_kabuli_chr07	30650906	GG	TT	1940415358
SNP_P1_149313_30654156	NC_021166.1	Ca_kabuli_chr07	30654156	AA	TT	1940415359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149315_30657333	NC_021166.1	Ca_kabuli_chr07	30657333	TT	CC	1940415361
SNP_P1_149316_30657587	NC_021166.1	Ca_kabuli_chr07	30657587	TT	CC	1940415362
SNP_P1_149317_30658720	NC_021166.1	Ca_kabuli_chr07	30658720	CC	TT	1940415363
SNP_P1_149318_30661557	NC_021166.1	Ca_kabuli_chr07	30661557	GG	AA	1940415365
SNP_P1_149319_30661920	NC_021166.1	Ca_kabuli_chr07	30661920	GG	AA	1940415366
SNP_P1_149320_30662387	NC_021166.1	Ca_kabuli_chr07	30662387	TT	CC	1940415367
SNP_P1_149322_30662903	NC_021166.1	Ca_kabuli_chr07	30662903	AA	CC	1940415368
SNP_P1_149323_30666323	NC_021166.1	Ca_kabuli_chr07	30666323	GG	AA	1940415369
SNP_P1_149324_30666327	NC_021166.1	Ca_kabuli_chr07	30666327	TT	GG	1940415370
SNP_P1_149325_30666345	NC_021166.1	Ca_kabuli_chr07	30666345	GG	AA	1940415371
SNP_P1_149326_30666367	NC_021166.1	Ca_kabuli_chr07	30666367	CC	GG	1940415372
SNP_P1_149327_30666370	NC_021166.1	Ca_kabuli_chr07	30666370	CC	TT	1940415373
SNP_P1_149329_30668897	NC_021166.1	Ca_kabuli_chr07	30668897	TT	AA	1940415374
SNP_P1_149330_30669578	NC_021166.1	Ca_kabuli_chr07	30669578	CC	TT	1940415375
SNP_P1_149331_30672367	NC_021166.1	Ca_kabuli_chr07	30672367	GG	AA	1940415376
SNP_P1_149332_30672459	NC_021166.1	Ca_kabuli_chr07	30672459	AA	GG	1940415377
SNP_P1_149333_30673511	NC_021166.1	Ca_kabuli_chr07	30673511	GG	AA	1940415378
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SNP_P1_149336_30678715	NC_021166.1	Ca_kabuli_chr07	30678715	GG	TT	1940415381
SNP_P1_149337_30678741	NC_021166.1	Ca_kabuli_chr07	30678741	GG	AA	1940415382
SNP_P1_149338_30678773	NC_021166.1	Ca_kabuli_chr07	30678773	CC	AA	1940415383
SNP_P1_149339_30678957	NC_021166.1	Ca_kabuli_chr07	30678957	AA	GG	1940415384
SNP_P1_149341_30679052	NC_021166.1	Ca_kabuli_chr07	30679052	CC	AA	1940415385
SNP_P1_149342_30679770	NC_021166.1	Ca_kabuli_chr07	30679770	AA	GG	1940415386
SNP_P1_149343_30679800	NC_021166.1	Ca_kabuli_chr07	30679800	AA	GG	1940415387
SNP_P1_149344_30679814	NC_021166.1	Ca_kabuli_chr07	30679814	GG	AA	1940415388
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SNP_P1_149346_30680045	NC_021166.1	Ca_kabuli_chr07	30680045	AA	GG	1940415390
SNP_P1_149347_30680048	NC_021166.1	Ca_kabuli_chr07	30680048	GG	TT	1940415391
SNP_P1_149348_30680052	NC_021166.1	Ca_kabuli_chr07	30680052	GG	CC	1940415392
SNP_P1_149349_30680182	NC_021166.1	Ca_kabuli_chr07	30680182	AA	GG	1940415393
SNP_P1_149350_30680440	NC_021166.1	Ca_kabuli_chr07	30680440	CC	TT	1940415394
SNP_P1_149351_30680446	NC_021166.1	Ca_kabuli_chr07	30680446	AA	CC	1940415395
SNP_P1_149352_30680820	NC_021166.1	Ca_kabuli_chr07	30680820	AA	TT	1940415396
SNP_P1_149353_30680875	NC_021166.1	Ca_kabuli_chr07	30680875	CC	TT	1940415397
SNP_P1_149354_30680892	NC_021166.1	Ca_kabuli_chr07	30680892	TT	CC	1940415398
SNP_P1_149356_30681239	NC_021166.1	Ca_kabuli_chr07	30681239	AA	TT	1940415399
SNP_P1_149357_30681608	NC_021166.1	Ca_kabuli_chr07	30681608	TT	AA	1940415400
SNP_P1_149358_30681659	NC_021166.1	Ca_kabuli_chr07	30681659	GG	AA	1940415401
SNP_P1_149359_30681868	NC_021166.1	Ca_kabuli_chr07	30681868	AA	TT	1940415402

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149361_30684401	NC_021166.1	Ca_kabuli_chr07	30684401	TT	AA	1940415404
SNP_P1_149362_30684402	NC_021166.1	Ca_kabuli_chr07	30684402	TT	AA	1940415405
SNP_P1_149363_30684444	NC_021166.1	Ca_kabuli_chr07	30684444	TT	CC	1940415406
SNP_P1_149364_30684480	NC_021166.1	Ca_kabuli_chr07	30684480	GG	AA	1940415407
SNP_P1_149365_30684526	NC_021166.1	Ca_kabuli_chr07	30684526	GG	TT	1940415408
SNP_P1_149366_30684629	NC_021166.1	Ca_kabuli_chr07	30684629	AA	GG	1940415409
SNP_P1_149367_30684659	NC_021166.1	Ca_kabuli_chr07	30684659	CC	AA	1940415410
SNP_P1_149368_30684660	NC_021166.1	Ca_kabuli_chr07	30684660	CC	AA	1940415411
SNP_P1_149369_30684709	NC_021166.1	Ca_kabuli_chr07	30684709	TT	GG	1940415412
SNP_P1_149370_30684722	NC_021166.1	Ca_kabuli_chr07	30684722	TT	CC	1940415413
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SNP_P1_149373_30688652	NC_021166.1	Ca_kabuli_chr07	30688652	CC	TT	1940415416
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SNP_P1_149379_30690612	NC_021166.1	Ca_kabuli_chr07	30690612	TT	GG	1940415420
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SNP_P1_149381_30690906	NC_021166.1	Ca_kabuli_chr07	30690906	GG	AA	1940415422
SNP_P1_149382_30691102	NC_021166.1	Ca_kabuli_chr07	30691102	GG	TT	1940415423
SNP_P1_149383_30691525	NC_021166.1	Ca_kabuli_chr07	30691525	AA	GG	1940415424
SNP_P1_149384_30691791	NC_021166.1	Ca_kabuli_chr07	30691791	TT	CC	1940415425
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SNP_P1_149386_30692459	NC_021166.1	Ca_kabuli_chr07	30692459	CC	TT	1940415427
SNP_P1_149388_30692973	NC_021166.1	Ca_kabuli_chr07	30692973	AA	GG	1940415428
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SNP_P1_149392_30694705	NC_021166.1	Ca_kabuli_chr07	30694705	GG	AA	1940415432
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SNP_P1_149394_30694829	NC_021166.1	Ca_kabuli_chr07	30694829	AA	CC	1940415434
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SNP_P1_149396_30695889	NC_021166.1	Ca_kabuli_chr07	30695889	AA	CC	1940415436
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SNP_P1_149398_30695913	NC_021166.1	Ca_kabuli_chr07	30695913	TT	CC	1940415438
SNP_P1_149399_30696642	NC_021166.1	Ca_kabuli_chr07	30696642	GG	AA	1940415439
SNP_P1_149400_30697066	NC_021166.1	Ca_kabuli_chr07	30697066	AA	GG	1940415440
SNP_P1_149401_30697073	NC_021166.1	Ca_kabuli_chr07	30697073	TT	CC	1940415441
SNP_P1_149402_30697103	NC_021166.1	Ca_kabuli_chr07	30697103	CC	TT	1940415442
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SNP_P1_149404_30697289	NC_021166.1	Ca_kabuli_chr07	30697289	GG	AA	1940415444

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149407_30697682	NC_021166.1	Ca_kabuli_chr07	30697682	TT	CC	1940415447
SNP_P1_149408_30697726	NC_021166.1	Ca_kabuli_chr07	30697726	AA	GG	1940415448
SNP_P1_149409_30697755	NC_021166.1	Ca_kabuli_chr07	30697755	CC	TT	1940415449
SNP_P1_149410_30697861	NC_021166.1	Ca_kabuli_chr07	30697861	AA	GG	1940415450
SNP_P1_149411_30699075	NC_021166.1	Ca_kabuli_chr07	30699075	CC	TT	1940415451
SNP_P1_149412_30699093	NC_021166.1	Ca_kabuli_chr07	30699093	GG	TT	1940415452
SNP_P1_149413_30699192	NC_021166.1	Ca_kabuli_chr07	30699192	TT	GG	1940415453
SNP_P1_149414_30699207	NC_021166.1	Ca_kabuli_chr07	30699207	AA	TT	1940415454
SNP_P1_149415_30699217	NC_021166.1	Ca_kabuli_chr07	30699217	AA	TT	1940415455
SNP_P1_149416_30699372	NC_021166.1	Ca_kabuli_chr07	30699372	GG	CC	1940415456
SNP_P1_149417_30699517	NC_021166.1	Ca_kabuli_chr07	30699517	AA	TT	1940415457
SNP_P1_149418_30699527	NC_021166.1	Ca_kabuli_chr07	30699527	CC	GG	1940415458
SNP_P1_149419_30699666	NC_021166.1	Ca_kabuli_chr07	30699666	TT	GG	1940415459
SNP_P1_149420_30699707	NC_021166.1	Ca_kabuli_chr07	30699707	GG	AA	1940415460
SNP_P1_149421_30699788	NC_021166.1	Ca_kabuli_chr07	30699788	AA	GG	1940415461
SNP_P1_149422_30699831	NC_021166.1	Ca_kabuli_chr07	30699831	TT	CC	1940415462
SNP_P1_149423_30699899	NC_021166.1	Ca_kabuli_chr07	30699899	CC	TT	1940415463
SNP_P1_149424_30699903	NC_021166.1	Ca_kabuli_chr07	30699903	TT	CC	1940415464
SNP_P1_149425_30700423	NC_021166.1	Ca_kabuli_chr07	30700423	AA	TT	1940415465
SNP_P1_149426_30701575	NC_021166.1	Ca_kabuli_chr07	30701575	TT	CC	1940415466
SNP_P1_149427_30701809	NC_021166.1	Ca_kabuli_chr07	30701809	AA	TT	1940415467
SNP_P1_149428_30701811	NC_021166.1	Ca_kabuli_chr07	30701811	AA	TT	1940415468
SNP_P1_149429_30701843	NC_021166.1	Ca_kabuli_chr07	30701843	TT	GG	1940415469
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SNP_P1_149432_30704541	NC_021166.1	Ca_kabuli_chr07	30704541	AA	CC	1940415472
SNP_P1_149433_30704553	NC_021166.1	Ca_kabuli_chr07	30704553	TT	GG	1940415473
SNP_P1_149434_30705066	NC_021166.1	Ca_kabuli_chr07	30705066	CC	TT	1940415474
SNP_P1_149435_30705073	NC_021166.1	Ca_kabuli_chr07	30705073	GG	AA	1940415475
SNP_P1_149436_30705136	NC_021166.1	Ca_kabuli_chr07	30705136	AA	CC	1940415476
SNP_P1_149438_30706671	NC_021166.1	Ca_kabuli_chr07	30706671	TT	GG	1940415477
SNP_P1_149439_30706698	NC_021166.1	Ca_kabuli_chr07	30706698	CC	GG	1940415478
SNP_P1_149440_30706707	NC_021166.1	Ca_kabuli_chr07	30706707	GG	AA	1940415479
SNP_P1_149441_30707605	NC_021166.1	Ca_kabuli_chr07	30707605	GG	TT	1940415480
SNP_P1_149442_30707634	NC_021166.1	Ca_kabuli_chr07	30707634	AA	GG	1940415481
SNP_P1_149443_30707689	NC_021166.1	Ca_kabuli_chr07	30707689	CC	TT	1940415482
SNP_P1_149444_30707693	NC_021166.1	Ca_kabuli_chr07	30707693	AA	TT	1940415483
SNP_P1_149446_30707892	NC_021166.1	Ca_kabuli_chr07	30707892	AA	GG	1940415484
SNP_P1_149447_30707905	NC_021166.1	Ca_kabuli_chr07	30707905	AA	TT	1940415485
SNP_P1_149448_30707925	NC_021166.1	Ca_kabuli_chr07	30707925	AA	GG	1940415486

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149451_30708472	NC_021166.1	Ca_kabuli_chr07	30708472	GG	CC	1940415489
SNP_P1_149452_30708552	NC_021166.1	Ca_kabuli_chr07	30708552	TT	CC	1940415490
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SNP_P1_149455_30709602	NC_021166.1	Ca_kabuli_chr07	30709602	CC	GG	1940415492
SNP_P1_149456_30711587	NC_021166.1	Ca_kabuli_chr07	30711587	CC	GG	1940415493
SNP_P1_149457_30711752	NC_021166.1	Ca_kabuli_chr07	30711752	GG	CC	1940415494
SNP_P1_149458_30711821	NC_021166.1	Ca_kabuli_chr07	30711821	TT	AA	1940415495
SNP_P1_149459_30720740	NC_021166.1	Ca_kabuli_chr07	30720740	GG	AA	1940415496
SNP_P1_149460_30720852	NC_021166.1	Ca_kabuli_chr07	30720852	TT	CC	1940415497
SNP_P1_149461_30720908	NC_021166.1	Ca_kabuli_chr07	30720908	TT	CC	1940415498
SNP_P1_149462_30721008	NC_021166.1	Ca_kabuli_chr07	30721008	GG	AA	1940415499
SNP_P1_149463_30721052	NC_021166.1	Ca_kabuli_chr07	30721052	TT	GG	1940415500
SNP_P1_149464_30722856	NC_021166.1	Ca_kabuli_chr07	30722856	TT	AA	1940415501
SNP_P1_149465_30723461	NC_021166.1	Ca_kabuli_chr07	30723461	CC	GG	1940415502
SNP_P1_149466_30723464	NC_021166.1	Ca_kabuli_chr07	30723464	TT	CC	1940415503
SNP_P1_149467_30725044	NC_021166.1	Ca_kabuli_chr07	30725044	CC	AA	1940415504
SNP_P1_149468_30725096	NC_021166.1	Ca_kabuli_chr07	30725096	AA	GG	1940415505
SNP_P1_149469_30725836	NC_021166.1	Ca_kabuli_chr07	30725836	AA	GG	1940415506
SNP_P1_149470_30725845	NC_021166.1	Ca_kabuli_chr07	30725845	CC	AA	1940415507
SNP_P1_149471_30725947	NC_021166.1	Ca_kabuli_chr07	30725947	CC	TT	1940415508
SNP_P1_149472_30725948	NC_021166.1	Ca_kabuli_chr07	30725948	CC	TT	1940415509
SNP_P1_149473_30725950	NC_021166.1	Ca_kabuli_chr07	30725950	GG	AA	1940415510
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SNP_P1_149475_30725995	NC_021166.1	Ca_kabuli_chr07	30725995	TT	GG	1940415512
SNP_P1_149476_30726005	NC_021166.1	Ca_kabuli_chr07	30726005	GG	AA	1940415513
SNP_P1_149477_30726012	NC_021166.1	Ca_kabuli_chr07	30726012	CC	TT	1940415514
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SNP_P1_149480_30726122	NC_021166.1	Ca_kabuli_chr07	30726122	CC	TT	1940415518
SNP_P1_149481_30726131	NC_021166.1	Ca_kabuli_chr07	30726131	TT	CC	1940415519
SNP_P1_149482_30726262	NC_021166.1	Ca_kabuli_chr07	30726262	AA	CC	1940415520
SNP_P1_149483_30727916	NC_021166.1	Ca_kabuli_chr07	30727916	GG	AA	1940415521
SNP_P1_149485_30728927	NC_021166.1	Ca_kabuli_chr07	30728927	AA	TT	1940415522
SNP_P1_149486_30733430	NC_021166.1	Ca_kabuli_chr07	30733430	AA	CC	1940415523
SNP_P1_149487_30734123	NC_021166.1	Ca_kabuli_chr07	30734123	CC	GG	1940415524
SNP_P1_149488_30734415	NC_021166.1	Ca_kabuli_chr07	30734415	AA	TT	1940415525
SNP_P1_149489_30737001	NC_021166.1	Ca_kabuli_chr07	30737001	AA	CC	1940415526
SNP_P1_149490_30737005	NC_021166.1	Ca_kabuli_chr07	30737005	TT	AA	1940415527
SNP_P1_149491_30737015	NC_021166.1	Ca_kabuli_chr07	30737015	CC	GG	1940415528
SNP_P1_149492_30737034	NC_021166.1	Ca_kabuli_chr07	30737034	TT	CC	1940415529

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149494_30737044	NC_021166.1	Ca_kabuli_chr07	30737044	TT	AA	1940415531
SNP_P1_149495_30737050	NC_021166.1	Ca_kabuli_chr07	30737050	GG	AA	1940415532
SNP_P1_149496_30737051	NC_021166.1	Ca_kabuli_chr07	30737051	CC	GG	1940415533
SNP_P1_149497_30737052	NC_021166.1	Ca_kabuli_chr07	30737052	CC	TT	1940415534
SNP_P1_149498_30737055	NC_021166.1	Ca_kabuli_chr07	30737055	GG	AA	1940415535
SNP_P1_149499_30737084	NC_021166.1	Ca_kabuli_chr07	30737084	CC	TT	1940415536
SNP_P1_149500_30737133	NC_021166.1	Ca_kabuli_chr07	30737133	TT	GG	1940415537
SNP_P1_149501_30737134	NC_021166.1	Ca_kabuli_chr07	30737134	AA	GG	1940415538
SNP_P1_149503_30739251	NC_021166.1	Ca_kabuli_chr07	30739251	TT	GG	1940415539
SNP_P1_149504_30739702	NC_021166.1	Ca_kabuli_chr07	30739702	AA	TT	1940415540
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SNP_P1_149506_30740150	NC_021166.1	Ca_kabuli_chr07	30740150	GG	CC	1940415542
SNP_P1_149508_30740456	NC_021166.1	Ca_kabuli_chr07	30740456	AA	GG	1940415543
SNP_P1_149509_30740734	NC_021166.1	Ca_kabuli_chr07	30740734	TT	CC	1940415544
SNP_P1_149510_30740775	NC_021166.1	Ca_kabuli_chr07	30740775	CC	TT	1940415545
SNP_P1_149511_30741042	NC_021166.1	Ca_kabuli_chr07	30741042	AA	TT	1940415546
SNP_P1_149514_30742748	NC_021166.1	Ca_kabuli_chr07	30742748	GG	AA	1940415547
SNP_P1_149515_30743292	NC_021166.1	Ca_kabuli_chr07	30743292	AA	GG	1940415548
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SNP_P1_149518_30743335	NC_021166.1	Ca_kabuli_chr07	30743335	AA	TT	1940415551
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SNP_P1_149522_30745390	NC_021166.1	Ca_kabuli_chr07	30745390	GG	TT	1940415554
SNP_P1_149524_30746900	NC_021166.1	Ca_kabuli_chr07	30746900	CC	TT	1940415555
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SNP_P1_149527_30748467	NC_021166.1	Ca_kabuli_chr07	30748467	GG	AA	1940415557
SNP_P1_149530_30751085	NC_021166.1	Ca_kabuli_chr07	30751085	GG	CC	1940415558
SNP_P1_149531_30752208	NC_021166.1	Ca_kabuli_chr07	30752208	GG	AA	1940415559
SNP_P1_149532_30752231	NC_021166.1	Ca_kabuli_chr07	30752231	TT	GG	1940415560
SNP_P1_149533_30752240	NC_021166.1	Ca_kabuli_chr07	30752240	CC	TT	1940415561
SNP_P1_149534_30752262	NC_021166.1	Ca_kabuli_chr07	30752262	CC	TT	1940415562
SNP_P1_149535_30752332	NC_021166.1	Ca_kabuli_chr07	30752332	GG	AA	1940415563
SNP_P1_149536_30753955	NC_021166.1	Ca_kabuli_chr07	30753955	TT	GG	1940415564
SNP_P1_149537_30754132	NC_021166.1	Ca_kabuli_chr07	30754132	AA	GG	1940415565
SNP_P1_149539_30754640	NC_021166.1	Ca_kabuli_chr07	30754640	AA	GG	1940415566
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SNP_P1_149541_30757698	NC_021166.1	Ca_kabuli_chr07	30757698	GG	TT	1940415568
SNP_P1_149542_30757843	NC_021166.1	Ca_kabuli_chr07	30757843	CC	TT	1940415569
SNP_P1_149543_30757844	NC_021166.1	Ca_kabuli_chr07	30757844	GG	AA	1940415570
SNP_P1_149544_30757888	NC_021166.1	Ca_kabuli_chr07	30757888	AA	CC	1940415571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149548_30758439	NC_021166.1	Ca_kabuli_chr07	30758439	CC	TT	1940415574
SNP_P1_149549_30758502	NC_021166.1	Ca_kabuli_chr07	30758502	AA	GG	1940415575
SNP_P1_149550_30758506	NC_021166.1	Ca_kabuli_chr07	30758506	TT	AA	1940415576
SNP_P1_149551_30758773	NC_021166.1	Ca_kabuli_chr07	30758773	GG	AA	1940415577
SNP_P1_149552_30760174	NC_021166.1	Ca_kabuli_chr07	30760174	CC	TT	1940415578
SNP_P1_149554_30761369	NC_021166.1	Ca_kabuli_chr07	30761369	AA	GG	1940415579
SNP_P1_149555_30763105	NC_021166.1	Ca_kabuli_chr07	30763105	AA	CC	1940415580
SNP_P1_149557_30763150	NC_021166.1	Ca_kabuli_chr07	30763150	CC	AA	1940415581
SNP_P1_149558_30764126	NC_021166.1	Ca_kabuli_chr07	30764126	AA	TT	1940415582
SNP_P1_149560_30768223	NC_021166.1	Ca_kabuli_chr07	30768223	TT	CC	1940415583
SNP_P1_149561_30768225	NC_021166.1	Ca_kabuli_chr07	30768225	AA	GG	1940415584
SNP_P1_149562_30768391	NC_021166.1	Ca_kabuli_chr07	30768391	TT	GG	1940415585
SNP_P1_149563_30768403	NC_021166.1	Ca_kabuli_chr07	30768403	TT	CC	1940415586
SNP_P1_149564_30768410	NC_021166.1	Ca_kabuli_chr07	30768410	TT	GG	1940415587
SNP_P1_149565_30768434	NC_021166.1	Ca_kabuli_chr07	30768434	AA	GG	1940415588
SNP_P1_149566_30768436	NC_021166.1	Ca_kabuli_chr07	30768436	TT	AA	1940415589
SNP_P1_149567_30768473	NC_021166.1	Ca_kabuli_chr07	30768473	TT	AA	1940415590
SNP_P1_149568_30768507	NC_021166.1	Ca_kabuli_chr07	30768507	AA	GG	1940415591
SNP_P1_149569_30768582	NC_021166.1	Ca_kabuli_chr07	30768582	TT	AA	1940415592
SNP_P1_149570_30768736	NC_021166.1	Ca_kabuli_chr07	30768736	AA	TT	1940415593
SNP_P1_149571_30768775	NC_021166.1	Ca_kabuli_chr07	30768775	AA	TT	1940415594
SNP_P1_149572_30768899	NC_021166.1	Ca_kabuli_chr07	30768899	TT	CC	1940415595
SNP_P1_149573_30769208	NC_021166.1	Ca_kabuli_chr07	30769208	CC	TT	1940415596
SNP_P1_149575_30770702	NC_021166.1	Ca_kabuli_chr07	30770702	CC	GG	1940415597
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SNP_P1_149581_30772334	NC_021166.1	Ca_kabuli_chr07	30772334	AA	GG	1940415600
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SNP_P1_149583_30775093	NC_021166.1	Ca_kabuli_chr07	30775093	GG	AA	1940415602
SNP_P1_149584_30775136	NC_021166.1	Ca_kabuli_chr07	30775136	CC	TT	1940415603
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SNP_P1_149586_30776091	NC_021166.1	Ca_kabuli_chr07	30776091	GG	AA	1940415605
SNP_P1_149587_30776108	NC_021166.1	Ca_kabuli_chr07	30776108	TT	GG	1940415606
SNP_P1_149588_30776370	NC_021166.1	Ca_kabuli_chr07	30776370	TT	AA	1940415607
SNP_P1_149589_30776472	NC_021166.1	Ca_kabuli_chr07	30776472	GG	TT	1940415608
SNP_P1_149590_30776499	NC_021166.1	Ca_kabuli_chr07	30776499	AA	CC	1940415609
SNP_P1_149591_30776774	NC_021166.1	Ca_kabuli_chr07	30776774	GG	AA	1940415610
SNP_P1_149592_30777534	NC_021166.1	Ca_kabuli_chr07	30777534	CC	TT	1940415611
SNP_P1_149595_30778469	NC_021166.1	Ca_kabuli_chr07	30778469	TT	CC	1940415612
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149600_30781978	NC_021166.1	Ca_kabuli_chr07	30781978	TT	AA	1940415616
SNP_P1_149601_30782034	NC_021166.1	Ca_kabuli_chr07	30782034	CC	TT	1940415617
SNP_P1_149602_30782813	NC_021166.1	Ca_kabuli_chr07	30782813	GG	AA	1940415618
SNP_P1_149603_30784236	NC_021166.1	Ca_kabuli_chr07	30784236	TT	GG	1940415619
SNP_P1_149604_30784246	NC_021166.1	Ca_kabuli_chr07	30784246	GG	AA	1940415620
SNP_P1_149605_30784249	NC_021166.1	Ca_kabuli_chr07	30784249	CC	TT	1940415621
SNP_P1_149606_30784964	NC_021166.1	Ca_kabuli_chr07	30784964	CC	TT	1940415622
SNP_P1_149607_30787565	NC_021166.1	Ca_kabuli_chr07	30787565	AA	CC	1940415623
SNP_P1_149608_30788122	NC_021166.1	Ca_kabuli_chr07	30788122	TT	CC	1940415624
SNP_P1_149609_30788143	NC_021166.1	Ca_kabuli_chr07	30788143	AA	GG	1940415625
SNP_P1_149610_30788173	NC_021166.1	Ca_kabuli_chr07	30788173	AA	GG	1940415626
SNP_P1_149611_30788547	NC_021166.1	Ca_kabuli_chr07	30788547	GG	TT	1940415627
SNP_P1_149612_30788654	NC_021166.1	Ca_kabuli_chr07	30788654	TT	CC	1940415628
SNP_P1_149613_30789059	NC_021166.1	Ca_kabuli_chr07	30789059	AA	GG	1940415629
SNP_P1_149614_30789060	NC_021166.1	Ca_kabuli_chr07	30789060	CC	TT	1940415630
SNP_P1_149616_30789383	NC_021166.1	Ca_kabuli_chr07	30789383	AA	CC	1940415631
SNP_P1_149617_30790340	NC_021166.1	Ca_kabuli_chr07	30790340	GG	TT	1940415632
SNP_P1_149619_30791223	NC_021166.1	Ca_kabuli_chr07	30791223	TT	CC	1940415633
SNP_P1_149620_30791229	NC_021166.1	Ca_kabuli_chr07	30791229	TT	AA	1940415634
SNP_P1_149621_30791248	NC_021166.1	Ca_kabuli_chr07	30791248	GG	AA	1940415635
SNP_P1_149622_30791251	NC_021166.1	Ca_kabuli_chr07	30791251	GG	AA	1940415636
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SNP_P1_149625_30791891	NC_021166.1	Ca_kabuli_chr07	30791891	GG	AA	1940415639
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SNP_P1_149628_30795551	NC_021166.1	Ca_kabuli_chr07	30795551	TT	AA	1940415642
SNP_P1_149629_30795598	NC_021166.1	Ca_kabuli_chr07	30795598	TT	GG	1940415643
SNP_P1_149631_30795873	NC_021166.1	Ca_kabuli_chr07	30795873	TT	CC	1940415644
SNP_P1_149632_30795934	NC_021166.1	Ca_kabuli_chr07	30795934	AA	TT	1940415645
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SNP_P1_149634_30797159	NC_021166.1	Ca_kabuli_chr07	30797159	CC	AA	1940415647
SNP_P1_149635_30797199	NC_021166.1	Ca_kabuli_chr07	30797199	TT	CC	1940415648
SNP_P1_149636_30797464	NC_021166.1	Ca_kabuli_chr07	30797464	TT	GG	1940415649
SNP_P1_149637_30797477	NC_021166.1	Ca_kabuli_chr07	30797477	TT	CC	1940415650
SNP_P1_149638_30797708	NC_021166.1	Ca_kabuli_chr07	30797708	CC	TT	1940415651
SNP_P1_149639_30798300	NC_021166.1	Ca_kabuli_chr07	30798300	CC	TT	1940415652
SNP_P1_149640_30798655	NC_021166.1	Ca_kabuli_chr07	30798655	GG	AA	1940415653
SNP_P1_149641_30798809	NC_021166.1	Ca_kabuli_chr07	30798809	CC	TT	1940415654
SNP_P1_149642_30799078	NC_021166.1	Ca_kabuli_chr07	30799078	GG	TT	1940415655

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149645_30799153	NC_021166.1	Ca_kabuli_chr07	30799153	AA	GG	1940415658
SNP_P1_149646_30799442	NC_021166.1	Ca_kabuli_chr07	30799442	CC	TT	1940415659
SNP_P1_149647_30804901	NC_021166.1	Ca_kabuli_chr07	30804901	TT	CC	1940415660
SNP_P1_149650_30805755	NC_021166.1	Ca_kabuli_chr07	30805755	GG	AA	1940415661
SNP_P1_149651_30805783	NC_021166.1	Ca_kabuli_chr07	30805783	AA	CC	1940415662
SNP_P1_149652_30805794	NC_021166.1	Ca_kabuli_chr07	30805794	AA	GG	1940415663
SNP_P1_149654_30806169	NC_021166.1	Ca_kabuli_chr07	30806169	CC	TT	1940415664
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SNP_P1_149658_30806956	NC_021166.1	Ca_kabuli_chr07	30806956	CC	TT	1940415667
SNP_P1_149659_30807015	NC_021166.1	Ca_kabuli_chr07	30807015	GG	CC	1940415668
SNP_P1_149661_30807697	NC_021166.1	Ca_kabuli_chr07	30807697	GG	TT	1940415669
SNP_P1_149662_30807734	NC_021166.1	Ca_kabuli_chr07	30807734	TT	CC	1940415670
SNP_P1_149663_30807735	NC_021166.1	Ca_kabuli_chr07	30807735	GG	TT	1940415671
SNP_P1_149664_30807737	NC_021166.1	Ca_kabuli_chr07	30807737	AA	TT	1940415673
SNP_P1_149665_30807738	NC_021166.1	Ca_kabuli_chr07	30807738	TT	AA	1940415674
SNP_P1_149666_30807772	NC_021166.1	Ca_kabuli_chr07	30807772	CC	TT	1940415675
SNP_P1_149667_30807773	NC_021166.1	Ca_kabuli_chr07	30807773	TT	AA	1940415676
SNP_P1_149668_30807991	NC_021166.1	Ca_kabuli_chr07	30807991	TT	CC	1940415677
SNP_P1_149669_30808430	NC_021166.1	Ca_kabuli_chr07	30808430	TT	CC	1940415678
SNP_P1_149672_30808839	NC_021166.1	Ca_kabuli_chr07	30808839	TT	CC	1940415679
SNP_P1_149673_30808912	NC_021166.1	Ca_kabuli_chr07	30808912	TT	AA	1940415680
SNP_P1_149674_30809146	NC_021166.1	Ca_kabuli_chr07	30809146	CC	GG	1940415681
SNP_P1_149675_30809153	NC_021166.1	Ca_kabuli_chr07	30809153	TT	CC	1940415682
SNP_P1_149676_30809910	NC_021166.1	Ca_kabuli_chr07	30809910	CC	AA	1940415683
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SNP_P1_149678_30810555	NC_021166.1	Ca_kabuli_chr07	30810555	CC	TT	1940415685
SNP_P1_149679_30810599	NC_021166.1	Ca_kabuli_chr07	30810599	TT	CC	1940415686
SNP_P1_149680_30810806	NC_021166.1	Ca_kabuli_chr07	30810806	TT	GG	1940415687
SNP_P1_149681_30810991	NC_021166.1	Ca_kabuli_chr07	30810991	AA	GG	1940415688
SNP_P1_149682_30811418	NC_021166.1	Ca_kabuli_chr07	30811418	AA	GG	1940415689
SNP_P1_149683_30812046	NC_021166.1	Ca_kabuli_chr07	30812046	AA	TT	1940415690
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SNP_P1_149685_30812527	NC_021166.1	Ca_kabuli_chr07	30812527	CC	TT	1940415692
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SNP_P1_149687_30812831	NC_021166.1	Ca_kabuli_chr07	30812831	TT	CC	1940415694
SNP_P1_149688_30813355	NC_021166.1	Ca_kabuli_chr07	30813355	TT	CC	1940415695
SNP_P1_149689_30814152	NC_021166.1	Ca_kabuli_chr07	30814152	CC	TT	1940415696
SNP_P1_149690_30814223	NC_021166.1	Ca_kabuli_chr07	30814223	CC	AA	1940415697
SNP_P1_149694_30814934	NC_021166.1	Ca_kabuli_chr07	30814934	CC	TT	1940415698

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149697_30818158	NC_021166.1	Ca_kabuli_chr07	30818158	GG	AA	1940415701
SNP_P1_149698_30818246	NC_021166.1	Ca_kabuli_chr07	30818246	CC	TT	1940415702
SNP_P1_149699_30818295	NC_021166.1	Ca_kabuli_chr07	30818295	AA	CC	1940415703
SNP_P1_149700_30818313	NC_021166.1	Ca_kabuli_chr07	30818313	GG	AA	1940415704
SNP_P1_149701_30818576	NC_021166.1	Ca_kabuli_chr07	30818576	AA	GG	1940415705
SNP_P1_149702_30818585	NC_021166.1	Ca_kabuli_chr07	30818585	GG	TT	1940415706
SNP_P1_149703_30819090	NC_021166.1	Ca_kabuli_chr07	30819090	GG	AA	1940415707
SNP_P1_149704_30819131	NC_021166.1	Ca_kabuli_chr07	30819131	TT	AA	1940415708
SNP_P1_149705_30819176	NC_021166.1	Ca_kabuli_chr07	30819176	AA	GG	1940415709
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SNP_P1_149708_30819922	NC_021166.1	Ca_kabuli_chr07	30819922	CC	AA	1940415712
SNP_P1_149709_30819967	NC_021166.1	Ca_kabuli_chr07	30819967	CC	TT	1940415713
SNP_P1_149710_30819981	NC_021166.1	Ca_kabuli_chr07	30819981	AA	GG	1940415714
SNP_P1_149711_30820119	NC_021166.1	Ca_kabuli_chr07	30820119	TT	CC	1940415715
SNP_P1_149712_30821285	NC_021166.1	Ca_kabuli_chr07	30821285	TT	AA	1940415716
SNP_P1_149713_30821302	NC_021166.1	Ca_kabuli_chr07	30821302	GG	TT	1940415717
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SNP_P1_149724_30823883	NC_021166.1	Ca_kabuli_chr07	30823883	CC	TT	1940415727
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SNP_P1_149727_30824112	NC_021166.1	Ca_kabuli_chr07	30824112	TT	CC	1940415729
SNP_P1_149729_30825196	NC_021166.1	Ca_kabuli_chr07	30825196	GG	CC	1940415730
SNP_P1_149730_30825499	NC_021166.1	Ca_kabuli_chr07	30825499	AA	GG	1940415731
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SNP_P1_149733_30826110	NC_021166.1	Ca_kabuli_chr07	30826110	GG	AA	1940415733
SNP_P1_149734_30831782	NC_021166.1	Ca_kabuli_chr07	30831782	AA	GG	1940415734
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SNP_P1_149737_30833997	NC_021166.1	Ca_kabuli_chr07	30833997	AA	GG	1940415737
SNP_P1_149738_30834068	NC_021166.1	Ca_kabuli_chr07	30834068	TT	CC	1940415738
SNP_P1_149740_30834082	NC_021166.1	Ca_kabuli_chr07	30834082	TT	AA	1940415739
SNP_P1_149741_30834292	NC_021166.1	Ca_kabuli_chr07	30834292	GG	AA	1940415740

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149745_30834569	NC_021166.1	Ca_kabuli_chr07	30834569	TT	AA	1940415744
SNP_P1_149746_30834634	NC_021166.1	Ca_kabuli_chr07	30834634	AA	CC	1940415745
SNP_P1_149747_30834646	NC_021166.1	Ca_kabuli_chr07	30834646	GG	TT	1940415746
SNP_P1_149748_30835690	NC_021166.1	Ca_kabuli_chr07	30835690	TT	CC	1940415747
SNP_P1_149749_30835702	NC_021166.1	Ca_kabuli_chr07	30835702	GG	AA	1940415748
SNP_P1_149750_30835767	NC_021166.1	Ca_kabuli_chr07	30835767	GG	CC	1940415749
SNP_P1_149751_30835770	NC_021166.1	Ca_kabuli_chr07	30835770	AA	TT	1940415750
SNP_P1_149752_30835882	NC_021166.1	Ca_kabuli_chr07	30835882	AA	CC	1940415751
SNP_P1_149753_30835884	NC_021166.1	Ca_kabuli_chr07	30835884	CC	AA	1940415752
SNP_P1_149754_30835886	NC_021166.1	Ca_kabuli_chr07	30835886	CC	GG	1940415753
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SNP_P1_149756_30836377	NC_021166.1	Ca_kabuli_chr07	30836377	TT	CC	1940415755
SNP_P1_149757_30836422	NC_021166.1	Ca_kabuli_chr07	30836422	AA	GG	1940415756
SNP_P1_149758_30836424	NC_021166.1	Ca_kabuli_chr07	30836424	GG	AA	1940415757
SNP_P1_149759_30838109	NC_021166.1	Ca_kabuli_chr07	30838109	CC	TT	1940415758
SNP_P1_149762_30838628	NC_021166.1	Ca_kabuli_chr07	30838628	CC	TT	1940415759
SNP_P1_149763_30839074	NC_021166.1	Ca_kabuli_chr07	30839074	GG	AA	1940415760
SNP_P1_149764_30839161	NC_021166.1	Ca_kabuli_chr07	30839161	AA	TT	1940415761
SNP_P1_149765_30839265	NC_021166.1	Ca_kabuli_chr07	30839265	AA	CC	1940415762
SNP_P1_149766_30839273	NC_021166.1	Ca_kabuli_chr07	30839273	CC	TT	1940415763
SNP_P1_149768_30839326	NC_021166.1	Ca_kabuli_chr07	30839326	TT	AA	1940415764
SNP_P1_149769_30839343	NC_021166.1	Ca_kabuli_chr07	30839343	GG	AA	1940415765
SNP_P1_149770_30839344	NC_021166.1	Ca_kabuli_chr07	30839344	GG	AA	1940415766
SNP_P1_149771_30839517	NC_021166.1	Ca_kabuli_chr07	30839517	GG	AA	1940415767
SNP_P1_149772_30839785	NC_021166.1	Ca_kabuli_chr07	30839785	GG	CC	1940415768
SNP_P1_149773_30839935	NC_021166.1	Ca_kabuli_chr07	30839935	AA	TT	1940415769
SNP_P1_149774_30839972	NC_021166.1	Ca_kabuli_chr07	30839972	TT	CC	1940415770
SNP_P1_149775_30839979	NC_021166.1	Ca_kabuli_chr07	30839979	AA	GG	1940415771
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SNP_P1_149778_30840247	NC_021166.1	Ca_kabuli_chr07	30840247	AA	GG	1940415774
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SNP_P1_149783_30840345	NC_021166.1	Ca_kabuli_chr07	30840345	TT	CC	1940415780
SNP_P1_149785_30840690	NC_021166.1	Ca_kabuli_chr07	30840690	TT	CC	1940415781
SNP_P1_149786_30840767	NC_021166.1	Ca_kabuli_chr07	30840767	CC	TT	1940415782
SNP_P1_149787_30840806	NC_021166.1	Ca_kabuli_chr07	30840806	GG	AA	1940415783

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149789_30841103	NC_021166.1	Ca_kabuli_chr07	30841103	CC	GG	1940415785
SNP_P1_149790_30842223	NC_021166.1	Ca_kabuli_chr07	30842223	GG	CC	1940415786
SNP_P1_149791_30842358	NC_021166.1	Ca_kabuli_chr07	30842358	AA	CC	1940415787
SNP_P1_149792_30842476	NC_021166.1	Ca_kabuli_chr07	30842476	AA	CC	1940415788
SNP_P1_149793_30842647	NC_021166.1	Ca_kabuli_chr07	30842647	CC	TT	1940415789
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SNP_P1_149795_30842824	NC_021166.1	Ca_kabuli_chr07	30842824	AA	TT	1940415791
SNP_P1_149796_30843037	NC_021166.1	Ca_kabuli_chr07	30843037	TT	CC	1940415792
SNP_P1_149797_30843041	NC_021166.1	Ca_kabuli_chr07	30843041	GG	AA	1940415793
SNP_P1_149798_30843080	NC_021166.1	Ca_kabuli_chr07	30843080	CC	TT	1940415794
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SNP_P1_149802_30844988	NC_021166.1	Ca_kabuli_chr07	30844988	TT	CC	1940415797
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SNP_P1_149805_30847098	NC_021166.1	Ca_kabuli_chr07	30847098	GG	AA	1940415799
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SNP_P1_149813_30863736	NC_021166.1	Ca_kabuli_chr07	30863736	AA	TT	1940415805
SNP_P1_149814_30864050	NC_021166.1	Ca_kabuli_chr07	30864050	CC	TT	1940415806
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SNP_P1_149824_30869755	NC_021166.1	Ca_kabuli_chr07	30869755	AA	GG	1940415815
SNP_P1_149826_30870869	NC_021166.1	Ca_kabuli_chr07	30870869	AA	GG	1940415816
SNP_P1_149827_30870889	NC_021166.1	Ca_kabuli_chr07	30870889	GG	CC	1940415817
SNP_P1_149828_30870943	NC_021166.1	Ca_kabuli_chr07	30870943	GG	AA	1940415818
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SNP_P1_149832_30871487	NC_021166.1	Ca_kabuli_chr07	30871487	CC	TT	1940415822
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SNP_P1_149834_30874265	NC_021166.1	Ca_kabuli_chr07	30874265	GG	AA	1940415824
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149838_30874326	NC_021166.1	Ca_kabuli_chr07	30874326	CC	TT	1940415827
SNP_P1_149839_30874335	NC_021166.1	Ca_kabuli_chr07	30874335	GG	AA	1940415828
SNP_P1_149840_30874372	NC_021166.1	Ca_kabuli_chr07	30874372	AA	GG	1940415829
SNP_P1_149841_30874458	NC_021166.1	Ca_kabuli_chr07	30874458	AA	GG	1940415830
SNP_P1_149842_30874646	NC_021166.1	Ca_kabuli_chr07	30874646	TT	CC	1940415831
SNP_P1_149843_30874652	NC_021166.1	Ca_kabuli_chr07	30874652	GG	AA	1940415832
SNP_P1_149844_30874725	NC_021166.1	Ca_kabuli_chr07	30874725	GG	AA	1940415833
SNP_P1_149845_30874745	NC_021166.1	Ca_kabuli_chr07	30874745	GG	AA	1940415834
SNP_P1_149846_30874888	NC_021166.1	Ca_kabuli_chr07	30874888	TT	CC	1940415835
SNP_P1_149848_30898708	NC_021166.1	Ca_kabuli_chr07	30898708	GG	AA	1940415836
SNP_P1_149849_30898780	NC_021166.1	Ca_kabuli_chr07	30898780	GG	AA	1940415837
SNP_P1_149850_30907625	NC_021166.1	Ca_kabuli_chr07	30907625	GG	AA	1940415838
SNP_P1_149852_30910389	NC_021166.1	Ca_kabuli_chr07	30910389	AA	TT	1940415839
SNP_P1_149853_30910791	NC_021166.1	Ca_kabuli_chr07	30910791	AA	CC	1940415840
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SNP_P1_149863_30915423	NC_021166.1	Ca_kabuli_chr07	30915423	GG	AA	1940415848
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SNP_P1_149870_30917224	NC_021166.1	Ca_kabuli_chr07	30917224	TT	AA	1940415855
SNP_P1_149871_30917658	NC_021166.1	Ca_kabuli_chr07	30917658	AA	GG	1940415856
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SNP_P1_149877_30921359	NC_021166.1	Ca_kabuli_chr07	30921359	GG	AA	1940415859
SNP_P1_149878_30921363	NC_021166.1	Ca_kabuli_chr07	30921363	CC	TT	1940415860
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SNP_P1_149883_30930524	NC_021166.1	Ca_kabuli_chr07	30930524	GG	AA	1940415864
SNP_P1_149884_30930561	NC_021166.1	Ca_kabuli_chr07	30930561	TT	AA	1940415865
SNP_P1_149885_30930573	NC_021166.1	Ca_kabuli_chr07	30930573	AA	GG	1940415866
SNP_P1_149886_30930587	NC_021166.1	Ca_kabuli_chr07	30930587	CC	GG	1940415867

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149890_30930775	NC_021166.1	Ca_kabuli_chr07	30930775	CC	GG	1940415870
SNP_P1_149891_30930878	NC_021166.1	Ca_kabuli_chr07	30930878	CC	GG	1940415871
SNP_P1_149892_30930899	NC_021166.1	Ca_kabuli_chr07	30930899	GG	AA	1940415872
SNP_P1_149893_30931024	NC_021166.1	Ca_kabuli_chr07	30931024	TT	CC	1940415873
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SNP_P1_149895_30947069	NC_021166.1	Ca_kabuli_chr07	30947069	CC	GG	1940415875
SNP_P1_149896_30947265	NC_021166.1	Ca_kabuli_chr07	30947265	TT	GG	1940415876
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SNP_P1_149902_30948301	NC_021166.1	Ca_kabuli_chr07	30948301	TT	CC	1940415881
SNP_P1_149903_30948895	NC_021166.1	Ca_kabuli_chr07	30948895	TT	CC	1940415882
SNP_P1_149904_30964091	NC_021166.1	Ca_kabuli_chr07	30964091	AA	GG	1940415883
SNP_P1_149905_30964104	NC_021166.1	Ca_kabuli_chr07	30964104	GG	AA	1940415884
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SNP_P1_149915_30972641	NC_021166.1	Ca_kabuli_chr07	30972641	GG	CC	1940415892
SNP_P1_149916_30974701	NC_021166.1	Ca_kabuli_chr07	30974701	AA	GG	1940415893
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SNP_P1_149926_30990307	NC_021166.1	Ca_kabuli_chr07	30990307	GG	CC	1940415903
SNP_P1_149927_30991969	NC_021166.1	Ca_kabuli_chr07	30991969	GG	AA	1940415904
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SNP_P1_149931_30993960	NC_021166.1	Ca_kabuli_chr07	30993960	CC	TT	1940415908
SNP_P1_149932_30994465	NC_021166.1	Ca_kabuli_chr07	30994465	CC	TT	1940415909

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149936_30999565	NC_021166.1	Ca_kabuli_chr07	30999565	GG	CC	1940415913
SNP_P1_149937_30999587	NC_021166.1	Ca_kabuli_chr07	30999587	CC	TT	1940415914
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SNP_P1_149941_31006756	NC_021166.1	Ca_kabuli_chr07	31006756	AA	GG	1940415918
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SNP_P1_149957_31052461	NC_021166.1	Ca_kabuli_chr07	31052461	AA	GG	1940415933
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SNP_P1_149968_31063595	NC_021166.1	Ca_kabuli_chr07	31063595	TT	AA	1940415944
SNP_P1_149969_31063784	NC_021166.1	Ca_kabuli_chr07	31063784	AA	GG	1940415945
SNP_P1_149970_31063821	NC_021166.1	Ca_kabuli_chr07	31063821	CC	AA	1940415946
SNP_P1_149971_31064287	NC_021166.1	Ca_kabuli_chr07	31064287	GG	AA	1940415947
SNP_P1_149972_31065104	NC_021166.1	Ca_kabuli_chr07	31065104	AA	GG	1940415948
SNP_P1_149973_31067200	NC_021166.1	Ca_kabuli_chr07	31067200	CC	TT	1940415949
SNP_P1_149974_31067205	NC_021166.1	Ca_kabuli_chr07	31067205	GG	TT	1940415950
SNP_P1_149975_31070291	NC_021166.1	Ca_kabuli_chr07	31070291	CC	TT	1940415951
SNP_P1_149976_31070373	NC_021166.1	Ca_kabuli_chr07	31070373	AA	CC	1940415952

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_149978_31070623	NC_021166.1	Ca_kabuli_chr07	31070623	CC	TT	1940415954
SNP_P1_149979_31072164	NC_021166.1	Ca_kabuli_chr07	31072164	GG	AA	1940415955
SNP_P1_149980_31072179	NC_021166.1	Ca_kabuli_chr07	31072179	TT	CC	1940415956
SNP_P1_149981_31073467	NC_021166.1	Ca_kabuli_chr07	31073467	AA	CC	1940415957
SNP_P1_149982_31073482	NC_021166.1	Ca_kabuli_chr07	31073482	TT	CC	1940415958
SNP_P1_149983_31073489	NC_021166.1	Ca_kabuli_chr07	31073489	TT	AA	1940415959
SNP_P1_149984_31073533	NC_021166.1	Ca_kabuli_chr07	31073533	AA	TT	1940415960
SNP_P1_149985_31074170	NC_021166.1	Ca_kabuli_chr07	31074170	AA	GG	1940415961
SNP_P1_149986_31074176	NC_021166.1	Ca_kabuli_chr07	31074176	AA	GG	1940415962
SNP_P1_149987_31074192	NC_021166.1	Ca_kabuli_chr07	31074192	AA	CC	1940415963
SNP_P1_149988_31074195	NC_021166.1	Ca_kabuli_chr07	31074195	CC	TT	1940415964
SNP_P1_149989_31074202	NC_021166.1	Ca_kabuli_chr07	31074202	AA	GG	1940415965
SNP_P1_149990_31074242	NC_021166.1	Ca_kabuli_chr07	31074242	TT	CC	1940415966
SNP_P1_149991_31074339	NC_021166.1	Ca_kabuli_chr07	31074339	CC	TT	1940415967
SNP_P1_149992_31074371	NC_021166.1	Ca_kabuli_chr07	31074371	TT	CC	1940415968
SNP_P1_149993_31074388	NC_021166.1	Ca_kabuli_chr07	31074388	AA	CC	1940415969
SNP_P1_149994_31074426	NC_021166.1	Ca_kabuli_chr07	31074426	AA	GG	1940415970
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SNP_P1_149996_31074463	NC_021166.1	Ca_kabuli_chr07	31074463	TT	GG	1940415972
SNP_P1_149997_31074495	NC_021166.1	Ca_kabuli_chr07	31074495	TT	CC	1940415973
SNP_P1_149998_31074877	NC_021166.1	Ca_kabuli_chr07	31074877	CC	TT	1940415974
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SNP_P1_150008_31078165	NC_021166.1	Ca_kabuli_chr07	31078165	GG	AA	1940415984
SNP_P1_150009_31078316	NC_021166.1	Ca_kabuli_chr07	31078316	AA	GG	1940415985
SNP_P1_150010_31078499	NC_021166.1	Ca_kabuli_chr07	31078499	TT	CC	1940415986
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SNP_P1_150015_31082766	NC_021166.1	Ca_kabuli_chr07	31082766	TT	GG	1940415990
SNP_P1_150016_31083150	NC_021166.1	Ca_kabuli_chr07	31083150	AA	GG	1940415991
SNP_P1_150018_31088091	NC_021166.1	Ca_kabuli_chr07	31088091	CC	TT	1940415992
SNP_P1_150019_31088436	NC_021166.1	Ca_kabuli_chr07	31088436	CC	AA	1940415993
SNP_P1_150020_31091050	NC_021166.1	Ca_kabuli_chr07	31091050	AA	GG	1940415994

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150022_31092483	NC_021166.1	Ca_kabuli_chr07	31092483	AA	GG	1940415996
SNP_P1_150024_31093251	NC_021166.1	Ca_kabuli_chr07	31093251	TT	AA	1940415997
SNP_P1_150025_31093254	NC_021166.1	Ca_kabuli_chr07	31093254	CC	TT	1940415998
SNP_P1_150026_31093255	NC_021166.1	Ca_kabuli_chr07	31093255	AA	CC	1940415999
SNP_P1_150027_31094109	NC_021166.1	Ca_kabuli_chr07	31094109	GG	AA	1940416000
SNP_P1_150028_31094195	NC_021166.1	Ca_kabuli_chr07	31094195	CC	TT	1940416001
SNP_P1_150029_31094796	NC_021166.1	Ca_kabuli_chr07	31094796	AA	GG	1940416002
SNP_P1_150030_31098248	NC_021166.1	Ca_kabuli_chr07	31098248	AA	GG	1940416003
SNP_P1_150031_31098808	NC_021166.1	Ca_kabuli_chr07	31098808	CC	AA	1940416004
SNP_P1_150032_31098817	NC_021166.1	Ca_kabuli_chr07	31098817	AA	GG	1940416005
SNP_P1_150033_31098827	NC_021166.1	Ca_kabuli_chr07	31098827	CC	TT	1940416006
SNP_P1_150034_31099142	NC_021166.1	Ca_kabuli_chr07	31099142	AA	TT	1940416007
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SNP_P1_150037_31101285	NC_021166.1	Ca_kabuli_chr07	31101285	CC	AA	1940416010
SNP_P1_150038_31102807	NC_021166.1	Ca_kabuli_chr07	31102807	AA	TT	1940416011
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SNP_P1_150040_31105416	NC_021166.1	Ca_kabuli_chr07	31105416	CC	TT	1940416013
SNP_P1_150041_31105463	NC_021166.1	Ca_kabuli_chr07	31105463	CC	AA	1940416014
SNP_P1_150042_31105640	NC_021166.1	Ca_kabuli_chr07	31105640	AA	GG	1940416015
SNP_P1_150043_31107199	NC_021166.1	Ca_kabuli_chr07	31107199	TT	CC	1940416016
SNP_P1_150044_31107200	NC_021166.1	Ca_kabuli_chr07	31107200	GG	TT	1940416017
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SNP_P1_150051_31108205	NC_021166.1	Ca_kabuli_chr07	31108205	AA	GG	1940416024
SNP_P1_150052_31108268	NC_021166.1	Ca_kabuli_chr07	31108268	AA	GG	1940416025
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SNP_P1_150061_31111839	NC_021166.1	Ca_kabuli_chr07	31111839	AA	GG	1940416034
SNP_P1_150062_31111875	NC_021166.1	Ca_kabuli_chr07	31111875	AA	TT	1940416035
SNP_P1_150063_31111876	NC_021166.1	Ca_kabuli_chr07	31111876	AA	TT	1940416036

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150066_31111937	NC_021166.1	Ca_kabuli_chr07	31111937	CC	TT	1940416039
SNP_P1_150067_31112358	NC_021166.1	Ca_kabuli_chr07	31112358	AA	GG	1940416040
SNP_P1_150068_31112388	NC_021166.1	Ca_kabuli_chr07	31112388	CC	AA	1940416041
SNP_P1_150069_31112426	NC_021166.1	Ca_kabuli_chr07	31112426	AA	CC	1940416042
SNP_P1_150071_31112497	NC_021166.1	Ca_kabuli_chr07	31112497	GG	TT	1940416043
SNP_P1_150072_31112514	NC_021166.1	Ca_kabuli_chr07	31112514	GG	AA	1940416044
SNP_P1_150073_31112746	NC_021166.1	Ca_kabuli_chr07	31112746	AA	TT	1940416045
SNP_P1_150074_31112766	NC_021166.1	Ca_kabuli_chr07	31112766	AA	GG	1940416046
SNP_P1_150075_31113006	NC_021166.1	Ca_kabuli_chr07	31113006	GG	AA	1940416047
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SNP_P1_150077_31115366	NC_021166.1	Ca_kabuli_chr07	31115366	CC	GG	1940416049
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SNP_P1_150080_31121758	NC_021166.1	Ca_kabuli_chr07	31121758	AA	TT	1940416051
SNP_P1_150081_31121776	NC_021166.1	Ca_kabuli_chr07	31121776	AA	GG	1940416052
SNP_P1_150083_31127180	NC_021166.1	Ca_kabuli_chr07	31127180	AA	CC	1940416053
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SNP_P1_150098_31145152	NC_021166.1	Ca_kabuli_chr07	31145152	CC	TT	1940416067
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SNP_P1_150101_31146932	NC_021166.1	Ca_kabuli_chr07	31146932	TT	GG	1940416069
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SNP_P1_150103_31147007	NC_021166.1	Ca_kabuli_chr07	31147007	TT	GG	1940416071
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SNP_P1_150109_31148722	NC_021166.1	Ca_kabuli_chr07	31148722	TT	CC	1940416075
SNP_P1_150110_31148767	NC_021166.1	Ca_kabuli_chr07	31148767	AA	TT	1940416076
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SNP_P1_150112_31149002	NC_021166.1	Ca_kabuli_chr07	31149002	GG	AA	1940416078
SNP_P1_150113_31149311	NC_021166.1	Ca_kabuli_chr07	31149311	TT	CC	1940416079

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150116_31150105	NC_021166.1	Ca_kabuli_chr07	31150105	GG	AA	1940416082
SNP_P1_150117_31150124	NC_021166.1	Ca_kabuli_chr07	31150124	TT	CC	1940416083
SNP_P1_150118_31150168	NC_021166.1	Ca_kabuli_chr07	31150168	GG	AA	1940416084
SNP_P1_150119_31150320	NC_021166.1	Ca_kabuli_chr07	31150320	CC	TT	1940416085
SNP_P1_150121_31150684	NC_021166.1	Ca_kabuli_chr07	31150684	TT	AA	1940416086
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SNP_P1_150125_31151240	NC_021166.1	Ca_kabuli_chr07	31151240	AA	GG	1940416090
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SNP_P1_150129_31152531	NC_021166.1	Ca_kabuli_chr07	31152531	CC	TT	1940416094
SNP_P1_150131_31152646	NC_021166.1	Ca_kabuli_chr07	31152646	AA	GG	1940416095
SNP_P1_150132_31152651	NC_021166.1	Ca_kabuli_chr07	31152651	TT	CC	1940416096
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SNP_P1_150134_31152700	NC_021166.1	Ca_kabuli_chr07	31152700	CC	TT	1940416098
SNP_P1_150135_31152708	NC_021166.1	Ca_kabuli_chr07	31152708	CC	TT	1940416099
SNP_P1_150136_31152713	NC_021166.1	Ca_kabuli_chr07	31152713	TT	GG	1940416100
SNP_P1_150137_31152727	NC_021166.1	Ca_kabuli_chr07	31152727	AA	GG	1940416101
SNP_P1_150138_31152950	NC_021166.1	Ca_kabuli_chr07	31152950	AA	TT	1940416102
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SNP_P1_150145_31155239	NC_021166.1	Ca_kabuli_chr07	31155239	TT	AA	1940416108
SNP_P1_150146_31155327	NC_021166.1	Ca_kabuli_chr07	31155327	CC	TT	1940416109
SNP_P1_150147_31155338	NC_021166.1	Ca_kabuli_chr07	31155338	TT	CC	1940416110
SNP_P1_150149_31155524	NC_021166.1	Ca_kabuli_chr07	31155524	AA	GG	1940416111
SNP_P1_150150_31155738	NC_021166.1	Ca_kabuli_chr07	31155738	AA	TT	1940416112
SNP_P1_150151_31155740	NC_021166.1	Ca_kabuli_chr07	31155740	AA	TT	1940416113
SNP_P1_150153_31156159	NC_021166.1	Ca_kabuli_chr07	31156159	CC	GG	1940416114
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SNP_P1_150156_31157236	NC_021166.1	Ca_kabuli_chr07	31157236	GG	AA	1940416116
SNP_P1_150157_31157248	NC_021166.1	Ca_kabuli_chr07	31157248	TT	CC	1940416117
SNP_P1_150158_31157541	NC_021166.1	Ca_kabuli_chr07	31157541	GG	AA	1940416118
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SNP_P1_150160_31158868	NC_021166.1	Ca_kabuli_chr07	31158868	TT	AA	1940416120
SNP_P1_150161_31162155	NC_021166.1	Ca_kabuli_chr07	31162155	TT	AA	1940416121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150163_31162427	NC_021166.1	Ca_kabuli_chr07	31162427	TT	CC	1940416123
SNP_P1_150164_31162448	NC_021166.1	Ca_kabuli_chr07	31162448	AA	CC	1940416124
SNP_P1_150165_31162454	NC_021166.1	Ca_kabuli_chr07	31162454	CC	AA	1940416125
SNP_P1_150166_31162455	NC_021166.1	Ca_kabuli_chr07	31162455	TT	CC	1940416126
SNP_P1_150167_31162505	NC_021166.1	Ca_kabuli_chr07	31162505	AA	GG	1940416127
SNP_P1_150169_31163135	NC_021166.1	Ca_kabuli_chr07	31163135	TT	CC	1940416128
SNP_P1_150170_31163561	NC_021166.1	Ca_kabuli_chr07	31163561	AA	GG	1940416129
SNP_P1_150171_31164535	NC_021166.1	Ca_kabuli_chr07	31164535	AA	GG	1940416130
SNP_P1_150172_31165325	NC_021166.1	Ca_kabuli_chr07	31165325	AA	GG	1940416131
SNP_P1_150174_31166822	NC_021166.1	Ca_kabuli_chr07	31166822	CC	AA	1940416132
SNP_P1_150175_31167039	NC_021166.1	Ca_kabuli_chr07	31167039	GG	AA	1940416133
SNP_P1_150176_31167232	NC_021166.1	Ca_kabuli_chr07	31167232	CC	TT	1940416134
SNP_P1_150177_31167260	NC_021166.1	Ca_kabuli_chr07	31167260	GG	CC	1940416135
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SNP_P1_150180_31167361	NC_021166.1	Ca_kabuli_chr07	31167361	TT	AA	1940416138
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SNP_P1_150203_31175834	NC_021166.1	Ca_kabuli_chr07	31175834	AA	GG	1940416157
SNP_P1_150204_31175836	NC_021166.1	Ca_kabuli_chr07	31175836	GG	TT	1940416158
SNP_P1_150206_31176887	NC_021166.1	Ca_kabuli_chr07	31176887	AA	GG	1940416159
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SNP_P1_150208_31177219	NC_021166.1	Ca_kabuli_chr07	31177219	GG	TT	1940416161
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150213_31181919	NC_021166.1	Ca_kabuli_chr07	31181919	CC	GG	1940416165
SNP_P1_150214_31181929	NC_021166.1	Ca_kabuli_chr07	31181929	TT	GG	1940416166
SNP_P1_150215_31181949	NC_021166.1	Ca_kabuli_chr07	31181949	AA	GG	1940416167
SNP_P1_150217_31182681	NC_021166.1	Ca_kabuli_chr07	31182681	TT	GG	1940416168
SNP_P1_150218_31182687	NC_021166.1	Ca_kabuli_chr07	31182687	CC	TT	1940416169
SNP_P1_150219_31182723	NC_021166.1	Ca_kabuli_chr07	31182723	AA	CC	1940416170
SNP_P1_150220_31182737	NC_021166.1	Ca_kabuli_chr07	31182737	GG	AA	1940416171
SNP_P1_150221_31183242	NC_021166.1	Ca_kabuli_chr07	31183242	GG	AA	1940416172
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SNP_P1_150223_31183764	NC_021166.1	Ca_kabuli_chr07	31183764	GG	CC	1940416174
SNP_P1_150224_31184141	NC_021166.1	Ca_kabuli_chr07	31184141	AA	GG	1940416175
SNP_P1_150225_31184201	NC_021166.1	Ca_kabuli_chr07	31184201	CC	TT	1940416176
SNP_P1_150226_31184466	NC_021166.1	Ca_kabuli_chr07	31184466	GG	AA	1940416177
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SNP_P1_150230_31185196	NC_021166.1	Ca_kabuli_chr07	31185196	CC	TT	1940416181
SNP_P1_150231_31185320	NC_021166.1	Ca_kabuli_chr07	31185320	CC	AA	1940416182
SNP_P1_150232_31185406	NC_021166.1	Ca_kabuli_chr07	31185406	CC	TT	1940416183
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SNP_P1_150244_31186224	NC_021166.1	Ca_kabuli_chr07	31186224	GG	AA	1940416193
SNP_P1_150245_31187349	NC_021166.1	Ca_kabuli_chr07	31187349	AA	GG	1940416194
SNP_P1_150246_31187363	NC_021166.1	Ca_kabuli_chr07	31187363	GG	AA	1940416195
SNP_P1_150247_31187426	NC_021166.1	Ca_kabuli_chr07	31187426	TT	GG	1940416196
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SNP_P1_150250_31187643	NC_021166.1	Ca_kabuli_chr07	31187643	TT	CC	1940416199
SNP_P1_150251_31188738	NC_021166.1	Ca_kabuli_chr07	31188738	CC	TT	1940416200
SNP_P1_150254_31188965	NC_021166.1	Ca_kabuli_chr07	31188965	GG	AA	1940416201
SNP_P1_150255_31189012	NC_021166.1	Ca_kabuli_chr07	31189012	AA	TT	1940416202
SNP_P1_150256_31189014	NC_021166.1	Ca_kabuli_chr07	31189014	AA	TT	1940416203
SNP_P1_150257_31189176	NC_021166.1	Ca_kabuli_chr07	31189176	TT	AA	1940416204
SNP_P1_150258_31189503	NC_021166.1	Ca_kabuli_chr07	31189503	AA	GG	1940416205

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150261_31191490	NC_021166.1	Ca_kabuli_chr07	31191490	TT	GG	1940416208
SNP_P1_150262_31193115	NC_021166.1	Ca_kabuli_chr07	31193115	AA	GG	1940416209
SNP_P1_150263_31194274	NC_021166.1	Ca_kabuli_chr07	31194274	TT	AA	1940416210
SNP_P1_150266_31195009	NC_021166.1	Ca_kabuli_chr07	31195009	CC	TT	1940416211
SNP_P1_150267_31195011	NC_021166.1	Ca_kabuli_chr07	31195011	TT	CC	1940416212
SNP_P1_150268_31195197	NC_021166.1	Ca_kabuli_chr07	31195197	AA	GG	1940416213
SNP_P1_150270_31195280	NC_021166.1	Ca_kabuli_chr07	31195280	TT	CC	1940416214
SNP_P1_150271_31195333	NC_021166.1	Ca_kabuli_chr07	31195333	CC	AA	1940416215
SNP_P1_150273_31196118	NC_021166.1	Ca_kabuli_chr07	31196118	GG	AA	1940416216
SNP_P1_150274_31196122	NC_021166.1	Ca_kabuli_chr07	31196122	AA	TT	1940416217
SNP_P1_150276_31196196	NC_021166.1	Ca_kabuli_chr07	31196196	GG	AA	1940416218
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SNP_P1_150280_31196654	NC_021166.1	Ca_kabuli_chr07	31196654	CC	GG	1940416223
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SNP_P1_150285_31197094	NC_021166.1	Ca_kabuli_chr07	31197094	CC	AA	1940416228
SNP_P1_150286_31197155	NC_021166.1	Ca_kabuli_chr07	31197155	AA	TT	1940416229
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SNP_P1_150288_31197421	NC_021166.1	Ca_kabuli_chr07	31197421	GG	AA	1940416231
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SNP_P1_150290_31197476	NC_021166.1	Ca_kabuli_chr07	31197476	CC	TT	1940416233
SNP_P1_150291_31197497	NC_021166.1	Ca_kabuli_chr07	31197497	CC	AA	1940416234
SNP_P1_150292_31197506	NC_021166.1	Ca_kabuli_chr07	31197506	CC	AA	1940416235
SNP_P1_150293_31198494	NC_021166.1	Ca_kabuli_chr07	31198494	TT	CC	1940416236
SNP_P1_150294_31199685	NC_021166.1	Ca_kabuli_chr07	31199685	AA	GG	1940416237
SNP_P1_150295_31199701	NC_021166.1	Ca_kabuli_chr07	31199701	CC	TT	1940416238
SNP_P1_150298_31200130	NC_021166.1	Ca_kabuli_chr07	31200130	TT	AA	1940416239
SNP_P1_150299_31200243	NC_021166.1	Ca_kabuli_chr07	31200243	TT	CC	1940416240
SNP_P1_150300_31200244	NC_021166.1	Ca_kabuli_chr07	31200244	GG	AA	1940416241
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SNP_P1_150307_31200802	NC_021166.1	Ca_kabuli_chr07	31200802	AA	GG	1940416246
SNP_P1_150308_31200815	NC_021166.1	Ca_kabuli_chr07	31200815	TT	CC	1940416247
SNP_P1_150310_31201349	NC_021166.1	Ca_kabuli_chr07	31201349	TT	GG	1940416248

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150313_31201561	NC_021166.1	Ca_kabuli_chr07	31201561	AA	GG	1940416251
SNP_P1_150315_31203156	NC_021166.1	Ca_kabuli_chr07	31203156	TT	CC	1940416252
SNP_P1_150316_31203735	NC_021166.1	Ca_kabuli_chr07	31203735	GG	AA	1940416253
SNP_P1_150318_31204293	NC_021166.1	Ca_kabuli_chr07	31204293	AA	TT	1940416254
SNP_P1_150319_31204314	NC_021166.1	Ca_kabuli_chr07	31204314	GG	TT	1940416255
SNP_P1_150320_31205664	NC_021166.1	Ca_kabuli_chr07	31205664	TT	CC	1940416256
SNP_P1_150322_31206006	NC_021166.1	Ca_kabuli_chr07	31206006	CC	GG	1940416257
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SNP_P1_150324_31206541	NC_021166.1	Ca_kabuli_chr07	31206541	GG	AA	1940416259
SNP_P1_150325_31206551	NC_021166.1	Ca_kabuli_chr07	31206551	CC	AA	1940416260
SNP_P1_150326_31206595	NC_021166.1	Ca_kabuli_chr07	31206595	AA	GG	1940416261
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SNP_P1_150328_31206875	NC_021166.1	Ca_kabuli_chr07	31206875	GG	AA	1940416263
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SNP_P1_150330_31206883	NC_021166.1	Ca_kabuli_chr07	31206883	AA	GG	1940416265
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SNP_P1_150333_31209354	NC_021166.1	Ca_kabuli_chr07	31209354	GG	AA	1940416268
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SNP_P1_150337_31210082	NC_021166.1	Ca_kabuli_chr07	31210082	TT	CC	1940416271
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SNP_P1_150350_31215102	NC_021166.1	Ca_kabuli_chr07	31215102	CC	TT	1940416279
SNP_P1_150353_31215687	NC_021166.1	Ca_kabuli_chr07	31215687	GG	AA	1940416280
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SNP_P1_150360_31218734	NC_021166.1	Ca_kabuli_chr07	31218734	GG	AA	1940416287
SNP_P1_150361_31218735	NC_021166.1	Ca_kabuli_chr07	31218735	AA	GG	1940416288
SNP_P1_150362_31219465	NC_021166.1	Ca_kabuli_chr07	31219465	GG	CC	1940416289
SNP_P1_150363_31219543	NC_021166.1	Ca_kabuli_chr07	31219543	AA	TT	1940416290

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150366_31219747	NC_021166.1	Ca_kabuli_chr07	31219747	AA	GG	1940416293
SNP_P1_150367_31219761	NC_021166.1	Ca_kabuli_chr07	31219761	AA	CC	1940416294
SNP_P1_150368_31219808	NC_021166.1	Ca_kabuli_chr07	31219808	TT	CC	1940416295
SNP_P1_150369_31220490	NC_021166.1	Ca_kabuli_chr07	31220490	GG	AA	1940416296
SNP_P1_150370_31220508	NC_021166.1	Ca_kabuli_chr07	31220508	TT	CC	1940416297
SNP_P1_150371_31220792	NC_021166.1	Ca_kabuli_chr07	31220792	GG	AA	1940416298
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SNP_P1_150373_31220825	NC_021166.1	Ca_kabuli_chr07	31220825	AA	GG	1940416300
SNP_P1_150374_31220863	NC_021166.1	Ca_kabuli_chr07	31220863	AA	TT	1940416301
SNP_P1_150375_31221093	NC_021166.1	Ca_kabuli_chr07	31221093	AA	CC	1940416302
SNP_P1_150376_31221103	NC_021166.1	Ca_kabuli_chr07	31221103	CC	GG	1940416303
SNP_P1_150377_31221434	NC_021166.1	Ca_kabuli_chr07	31221434	TT	CC	1940416304
SNP_P1_150378_31222660	NC_021166.1	Ca_kabuli_chr07	31222660	CC	TT	1940416305
SNP_P1_150379_31224932	NC_021166.1	Ca_kabuli_chr07	31224932	TT	GG	1940416306
SNP_P1_150380_31224962	NC_021166.1	Ca_kabuli_chr07	31224962	AA	GG	1940416307
SNP_P1_150381_31225171	NC_021166.1	Ca_kabuli_chr07	31225171	AA	TT	1940416308
SNP_P1_150383_31225914	NC_021166.1	Ca_kabuli_chr07	31225914	CC	AA	1940416309
SNP_P1_150384_31225978	NC_021166.1	Ca_kabuli_chr07	31225978	AA	CC	1940416310
SNP_P1_150385_31227725	NC_021166.1	Ca_kabuli_chr07	31227725	CC	TT	1940416311
SNP_P1_150386_31227799	NC_021166.1	Ca_kabuli_chr07	31227799	AA	TT	1940416312
SNP_P1_150387_31228712	NC_021166.1	Ca_kabuli_chr07	31228712	TT	CC	1940416313
SNP_P1_150388_31228886	NC_021166.1	Ca_kabuli_chr07	31228886	TT	AA	1940416314
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SNP_P1_150391_31229109	NC_021166.1	Ca_kabuli_chr07	31229109	CC	TT	1940416317
SNP_P1_150392_31229155	NC_021166.1	Ca_kabuli_chr07	31229155	CC	GG	1940416318
SNP_P1_150393_31229243	NC_021166.1	Ca_kabuli_chr07	31229243	GG	AA	1940416319
SNP_P1_150394_31229268	NC_021166.1	Ca_kabuli_chr07	31229268	TT	CC	1940416320
SNP_P1_150395_31229298	NC_021166.1	Ca_kabuli_chr07	31229298	GG	AA	1940416321
SNP_P1_150397_31230495	NC_021166.1	Ca_kabuli_chr07	31230495	AA	GG	1940416322
SNP_P1_150398_31231061	NC_021166.1	Ca_kabuli_chr07	31231061	GG	TT	1940416323
SNP_P1_150399_31231102	NC_021166.1	Ca_kabuli_chr07	31231102	TT	CC	1940416324
SNP_P1_150400_31231372	NC_021166.1	Ca_kabuli_chr07	31231372	AA	GG	1940416325
SNP_P1_150401_31231508	NC_021166.1	Ca_kabuli_chr07	31231508	GG	AA	1940416326
SNP_P1_150402_31231518	NC_021166.1	Ca_kabuli_chr07	31231518	TT	CC	1940416327
SNP_P1_150403_31231640	NC_021166.1	Ca_kabuli_chr07	31231640	GG	CC	1940416328
SNP_P1_150404_31231701	NC_021166.1	Ca_kabuli_chr07	31231701	TT	CC	1940416329
SNP_P1_150407_31232420	NC_021166.1	Ca_kabuli_chr07	31232420	CC	TT	1940416330
SNP_P1_150408_31232719	NC_021166.1	Ca_kabuli_chr07	31232719	GG	TT	1940416331
SNP_P1_150410_31233150	NC_021166.1	Ca_kabuli_chr07	31233150	GG	AA	1940416332

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150412_31233229	NC_021166.1	Ca_kabuli_chr07	31233229	GG	AA	1940416334
SNP_P1_150413_31233492	NC_021166.1	Ca_kabuli_chr07	31233492	AA	GG	1940416335
SNP_P1_150414_31233516	NC_021166.1	Ca_kabuli_chr07	31233516	GG	CC	1940416336
SNP_P1_150415_31234080	NC_021166.1	Ca_kabuli_chr07	31234080	TT	CC	1940416337
SNP_P1_150416_31234671	NC_021166.1	Ca_kabuli_chr07	31234671	AA	CC	1940416338
SNP_P1_150417_31234694	NC_021166.1	Ca_kabuli_chr07	31234694	TT	CC	1940416339
SNP_P1_150418_31234722	NC_021166.1	Ca_kabuli_chr07	31234722	AA	GG	1940416340
SNP_P1_150419_31234823	NC_021166.1	Ca_kabuli_chr07	31234823	TT	CC	1940416341
SNP_P1_150420_31234830	NC_021166.1	Ca_kabuli_chr07	31234830	AA	GG	1940416342
SNP_P1_150421_31234845	NC_021166.1	Ca_kabuli_chr07	31234845	GG	AA	1940416343
SNP_P1_150422_31234934	NC_021166.1	Ca_kabuli_chr07	31234934	TT	AA	1940416344
SNP_P1_150423_31235053	NC_021166.1	Ca_kabuli_chr07	31235053	TT	AA	1940416345
SNP_P1_150424_31235098	NC_021166.1	Ca_kabuli_chr07	31235098	GG	AA	1940416346
SNP_P1_150425_31235105	NC_021166.1	Ca_kabuli_chr07	31235105	AA	TT	1940416347
SNP_P1_150426_31235334	NC_021166.1	Ca_kabuli_chr07	31235334	CC	TT	1940416348
SNP_P1_150427_31235352	NC_021166.1	Ca_kabuli_chr07	31235352	TT	CC	1940416349
SNP_P1_150428_31235408	NC_021166.1	Ca_kabuli_chr07	31235408	TT	CC	1940416350
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SNP_P1_150431_31236218	NC_021166.1	Ca_kabuli_chr07	31236218	AA	GG	1940416353
SNP_P1_150432_31236235	NC_021166.1	Ca_kabuli_chr07	31236235	TT	GG	1940416354
SNP_P1_150433_31237402	NC_021166.1	Ca_kabuli_chr07	31237402	AA	TT	1940416355
SNP_P1_150434_31237425	NC_021166.1	Ca_kabuli_chr07	31237425	TT	CC	1940416356
SNP_P1_150435_31237440	NC_021166.1	Ca_kabuli_chr07	31237440	TT	AA	1940416357
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SNP_P1_150438_31244686	NC_021166.1	Ca_kabuli_chr07	31244686	CC	TT	1940416360
SNP_P1_150439_31244771	NC_021166.1	Ca_kabuli_chr07	31244771	CC	GG	1940416361
SNP_P1_150440_31246017	NC_021166.1	Ca_kabuli_chr07	31246017	CC	TT	1940416362
SNP_P1_150441_31246068	NC_021166.1	Ca_kabuli_chr07	31246068	AA	CC	1940416363
SNP_P1_150442_31246270	NC_021166.1	Ca_kabuli_chr07	31246270	GG	AA	1940416364
SNP_P1_150443_31246299	NC_021166.1	Ca_kabuli_chr07	31246299	AA	GG	1940416365
SNP_P1_150444_31247144	NC_021166.1	Ca_kabuli_chr07	31247144	TT	GG	1940416366
SNP_P1_150445_31247301	NC_021166.1	Ca_kabuli_chr07	31247301	AA	GG	1940416367
SNP_P1_150446_31247711	NC_021166.1	Ca_kabuli_chr07	31247711	AA	CC	1940416368
SNP_P1_150447_31247965	NC_021166.1	Ca_kabuli_chr07	31247965	AA	GG	1940416369
SNP_P1_150448_31248638	NC_021166.1	Ca_kabuli_chr07	31248638	AA	CC	1940416370
SNP_P1_150449_31248808	NC_021166.1	Ca_kabuli_chr07	31248808	CC	TT	1940416372
SNP_P1_150450_31248809	NC_021166.1	Ca_kabuli_chr07	31248809	GG	TT	1940416373
SNP_P1_150451_31250377	NC_021166.1	Ca_kabuli_chr07	31250377	CC	TT	1940416374
SNP_P1_150452_31250712	NC_021166.1	Ca_kabuli_chr07	31250712	GG	AA	1940416375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150456_31250953	NC_021166.1	Ca_kabuli_chr07	31250953	AA	TT	1940416378
SNP_P1_150458_31251099	NC_021166.1	Ca_kabuli_chr07	31251099	CC	TT	1940416379
SNP_P1_150459_31251109	NC_021166.1	Ca_kabuli_chr07	31251109	GG	AA	1940416380
SNP_P1_150460_31251121	NC_021166.1	Ca_kabuli_chr07	31251121	AA	GG	1940416381
SNP_P1_150461_31251147	NC_021166.1	Ca_kabuli_chr07	31251147	CC	TT	1940416382
SNP_P1_150463_31253697	NC_021166.1	Ca_kabuli_chr07	31253697	AA	TT	1940416383
SNP_P1_150464_31255061	NC_021166.1	Ca_kabuli_chr07	31255061	TT	AA	1940416384
SNP_P1_150466_31255089	NC_021166.1	Ca_kabuli_chr07	31255089	TT	CC	1940416385
SNP_P1_150467_31255091	NC_021166.1	Ca_kabuli_chr07	31255091	TT	GG	1940416386
SNP_P1_150469_31255874	NC_021166.1	Ca_kabuli_chr07	31255874	TT	CC	1940416387
SNP_P1_150470_31255921	NC_021166.1	Ca_kabuli_chr07	31255921	CC	AA	1940416388
SNP_P1_150471_31255922	NC_021166.1	Ca_kabuli_chr07	31255922	TT	GG	1940416389
SNP_P1_150472_31255938	NC_021166.1	Ca_kabuli_chr07	31255938	GG	AA	1940416390
SNP_P1_150473_31256393	NC_021166.1	Ca_kabuli_chr07	31256393	AA	TT	1940416391
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SNP_P1_150475_31256670	NC_021166.1	Ca_kabuli_chr07	31256670	GG	AA	1940416393
SNP_P1_150476_31256693	NC_021166.1	Ca_kabuli_chr07	31256693	AA	GG	1940416394
SNP_P1_150477_31256699	NC_021166.1	Ca_kabuli_chr07	31256699	TT	CC	1940416395
SNP_P1_150478_31256723	NC_021166.1	Ca_kabuli_chr07	31256723	GG	AA	1940416396
SNP_P1_150479_31257024	NC_021166.1	Ca_kabuli_chr07	31257024	GG	CC	1940416397
SNP_P1_150481_31257081	NC_021166.1	Ca_kabuli_chr07	31257081	TT	AA	1940416398
SNP_P1_150482_31257088	NC_021166.1	Ca_kabuli_chr07	31257088	CC	GG	1940416399
SNP_P1_150483_31257207	NC_021166.1	Ca_kabuli_chr07	31257207	GG	CC	1940416400
SNP_P1_150484_31257564	NC_021166.1	Ca_kabuli_chr07	31257564	TT	AA	1940416401
SNP_P1_150485_31257796	NC_021166.1	Ca_kabuli_chr07	31257796	AA	CC	1940416402
SNP_P1_150486_31257829	NC_021166.1	Ca_kabuli_chr07	31257829	GG	TT	1940416403
SNP_P1_150487_31258047	NC_021166.1	Ca_kabuli_chr07	31258047	GG	AA	1940416404
SNP_P1_150489_31258264	NC_021166.1	Ca_kabuli_chr07	31258264	TT	AA	1940416405
SNP_P1_150490_31258408	NC_021166.1	Ca_kabuli_chr07	31258408	TT	GG	1940416406
SNP_P1_150491_31258438	NC_021166.1	Ca_kabuli_chr07	31258438	AA	GG	1940416407
SNP_P1_150492_31258554	NC_021166.1	Ca_kabuli_chr07	31258554	AA	GG	1940416408
SNP_P1_150493_31258570	NC_021166.1	Ca_kabuli_chr07	31258570	TT	GG	1940416409
SNP_P1_150494_31258595	NC_021166.1	Ca_kabuli_chr07	31258595	CC	GG	1940416410
SNP_P1_150495_31258677	NC_021166.1	Ca_kabuli_chr07	31258677	CC	TT	1940416411
SNP_P1_150496_31258687	NC_021166.1	Ca_kabuli_chr07	31258687	CC	TT	1940416412
SNP_P1_150497_31263392	NC_021166.1	Ca_kabuli_chr07	31263392	CC	TT	1940416413
SNP_P1_150498_31263429	NC_021166.1	Ca_kabuli_chr07	31263429	CC	AA	1940416414
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SNP_P1_150501_31264664	NC_021166.1	Ca_kabuli_chr07	31264664	TT	CC	1940416417

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150503_31264678	NC_021166.1	Ca_kabuli_chr07	31264678	AA	TT	1940416419
SNP_P1_150504_31264680	NC_021166.1	Ca_kabuli_chr07	31264680	GG	TT	1940416420
SNP_P1_150505_31264738	NC_021166.1	Ca_kabuli_chr07	31264738	AA	TT	1940416421
SNP_P1_150506_31264743	NC_021166.1	Ca_kabuli_chr07	31264743	GG	TT	1940416422
SNP_P1_150507_31264817	NC_021166.1	Ca_kabuli_chr07	31264817	TT	GG	1940416423
SNP_P1_150508_31265075	NC_021166.1	Ca_kabuli_chr07	31265075	AA	TT	1940416424
SNP_P1_150509_31265550	NC_021166.1	Ca_kabuli_chr07	31265550	TT	AA	1940416425
SNP_P1_150510_31265552	NC_021166.1	Ca_kabuli_chr07	31265552	TT	CC	1940416426
SNP_P1_150511_31265554	NC_021166.1	Ca_kabuli_chr07	31265554	AA	CC	1940416427
SNP_P1_150514_31267601	NC_021166.1	Ca_kabuli_chr07	31267601	CC	AA	1940416428
SNP_P1_150515_31267740	NC_021166.1	Ca_kabuli_chr07	31267740	TT	CC	1940416429
SNP_P1_150516_31268017	NC_021166.1	Ca_kabuli_chr07	31268017	GG	TT	1940416430
SNP_P1_150517_31268380	NC_021166.1	Ca_kabuli_chr07	31268380	AA	TT	1940416431
SNP_P1_150518_31268583	NC_021166.1	Ca_kabuli_chr07	31268583	CC	AA	1940416432
SNP_P1_150519_31277149	NC_021166.1	Ca_kabuli_chr07	31277149	TT	CC	1940416433
SNP_P1_150520_31277160	NC_021166.1	Ca_kabuli_chr07	31277160	CC	GG	1940416434
SNP_P1_150522_31277367	NC_021166.1	Ca_kabuli_chr07	31277367	GG	AA	1940416435
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SNP_P1_150525_31277424	NC_021166.1	Ca_kabuli_chr07	31277424	AA	TT	1940416438
SNP_P1_150527_31277572	NC_021166.1	Ca_kabuli_chr07	31277572	AA	GG	1940416439
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SNP_P1_150529_31277613	NC_021166.1	Ca_kabuli_chr07	31277613	CC	TT	1940416441
SNP_P1_150530_31277929	NC_021166.1	Ca_kabuli_chr07	31277929	AA	CC	1940416442
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SNP_P1_150534_31279849	NC_021166.1	Ca_kabuli_chr07	31279849	AA	TT	1940416446
SNP_P1_150535_31280627	NC_021166.1	Ca_kabuli_chr07	31280627	GG	AA	1940416447
SNP_P1_150536_31280842	NC_021166.1	Ca_kabuli_chr07	31280842	GG	AA	1940416448
SNP_P1_150537_31281474	NC_021166.1	Ca_kabuli_chr07	31281474	CC	AA	1940416449
SNP_P1_150538_31283450	NC_021166.1	Ca_kabuli_chr07	31283450	GG	TT	1940416450
SNP_P1_150539_31283478	NC_021166.1	Ca_kabuli_chr07	31283478	AA	CC	1940416451
SNP_P1_150540_31283509	NC_021166.1	Ca_kabuli_chr07	31283509	CC	TT	1940416452
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SNP_P1_150542_31284036	NC_021166.1	Ca_kabuli_chr07	31284036	GG	AA	1940416454
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SNP_P1_150545_31284503	NC_021166.1	Ca_kabuli_chr07	31284503	CC	GG	1940416456
SNP_P1_150546_31284684	NC_021166.1	Ca_kabuli_chr07	31284684	TT	CC	1940416457
SNP_P1_150548_31285325	NC_021166.1	Ca_kabuli_chr07	31285325	TT	AA	1940416458
SNP_P1_150550_31285711	NC_021166.1	Ca_kabuli_chr07	31285711	AA	TT	1940416459

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150554_31287396	NC_021166.1	Ca_kabuli_chr07	31287396	GG	AA	1940416462
SNP_P1_150556_31287708	NC_021166.1	Ca_kabuli_chr07	31287708	CC	TT	1940416463
SNP_P1_150557_31287772	NC_021166.1	Ca_kabuli_chr07	31287772	CC	TT	1940416464
SNP_P1_150558_31287831	NC_021166.1	Ca_kabuli_chr07	31287831	AA	GG	1940416465
SNP_P1_150559_31288168	NC_021166.1	Ca_kabuli_chr07	31288168	GG	AA	1940416466
SNP_P1_150560_31288189	NC_021166.1	Ca_kabuli_chr07	31288189	AA	TT	1940416467
SNP_P1_150561_31288193	NC_021166.1	Ca_kabuli_chr07	31288193	CC	AA	1940416468
SNP_P1_150562_31288195	NC_021166.1	Ca_kabuli_chr07	31288195	GG	AA	1940416469
SNP_P1_150563_31289683	NC_021166.1	Ca_kabuli_chr07	31289683	GG	CC	1940416470
SNP_P1_150565_31290002	NC_021166.1	Ca_kabuli_chr07	31290002	TT	AA	1940416471
SNP_P1_150566_31290093	NC_021166.1	Ca_kabuli_chr07	31290093	AA	GG	1940416472
SNP_P1_150567_31290095	NC_021166.1	Ca_kabuli_chr07	31290095	CC	TT	1940416473
SNP_P1_150568_31290103	NC_021166.1	Ca_kabuli_chr07	31290103	AA	GG	1940416474
SNP_P1_150569_31290268	NC_021166.1	Ca_kabuli_chr07	31290268	GG	TT	1940416475
SNP_P1_150571_31290401	NC_021166.1	Ca_kabuli_chr07	31290401	AA	TT	1940416476
SNP_P1_150573_31294038	NC_021166.1	Ca_kabuli_chr07	31294038	CC	TT	1940416477
SNP_P1_150574_31294130	NC_021166.1	Ca_kabuli_chr07	31294130	GG	AA	1940416478
SNP_P1_150575_31294136	NC_021166.1	Ca_kabuli_chr07	31294136	CC	TT	1940416479
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SNP_P1_150578_31294566	NC_021166.1	Ca_kabuli_chr07	31294566	AA	TT	1940416482
SNP_P1_150579_31294607	NC_021166.1	Ca_kabuli_chr07	31294607	AA	GG	1940416483
SNP_P1_150581_31294729	NC_021166.1	Ca_kabuli_chr07	31294729	CC	GG	1940416484
SNP_P1_150582_31294947	NC_021166.1	Ca_kabuli_chr07	31294947	GG	TT	1940416485
SNP_P1_150584_31295262	NC_021166.1	Ca_kabuli_chr07	31295262	TT	GG	1940416486
SNP_P1_150586_31295648	NC_021166.1	Ca_kabuli_chr07	31295648	TT	AA	1940416487
SNP_P1_150587_31295649	NC_021166.1	Ca_kabuli_chr07	31295649	AA	CC	1940416488
SNP_P1_150588_31295670	NC_021166.1	Ca_kabuli_chr07	31295670	AA	GG	1940416489
SNP_P1_150590_31295985	NC_021166.1	Ca_kabuli_chr07	31295985	AA	GG	1940416490
SNP_P1_150591_31296046	NC_021166.1	Ca_kabuli_chr07	31296046	CC	AA	1940416491
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SNP_P1_150593_31296109	NC_021166.1	Ca_kabuli_chr07	31296109	GG	TT	1940416493
SNP_P1_150595_31296781	NC_021166.1	Ca_kabuli_chr07	31296781	CC	AA	1940416494
SNP_P1_150597_31296990	NC_021166.1	Ca_kabuli_chr07	31296990	CC	TT	1940416495
SNP_P1_150598_31298352	NC_021166.1	Ca_kabuli_chr07	31298352	AA	TT	1940416496
SNP_P1_150599_31299791	NC_021166.1	Ca_kabuli_chr07	31299791	CC	TT	1940416497
SNP_P1_150600_31300337	NC_021166.1	Ca_kabuli_chr07	31300337	TT	CC	1940416498
SNP_P1_150601_31300361	NC_021166.1	Ca_kabuli_chr07	31300361	AA	GG	1940416499
SNP_P1_150603_31300733	NC_021166.1	Ca_kabuli_chr07	31300733	CC	GG	1940416500
SNP_P1_150604_31300759	NC_021166.1	Ca_kabuli_chr07	31300759	AA	CC	1940416501

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150607_31301289	NC_021166.1	Ca_kabuli_chr07	31301289	AA	GG	1940416504
SNP_P1_150609_31302172	NC_021166.1	Ca_kabuli_chr07	31302172	GG	AA	1940416505
SNP_P1_150610_31302188	NC_021166.1	Ca_kabuli_chr07	31302188	AA	GG	1940416506
SNP_P1_150612_31302863	NC_021166.1	Ca_kabuli_chr07	31302863	GG	AA	1940416507
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SNP_P1_150614_31303339	NC_021166.1	Ca_kabuli_chr07	31303339	AA	GG	1940416509
SNP_P1_150615_31304102	NC_021166.1	Ca_kabuli_chr07	31304102	TT	CC	1940416510
SNP_P1_150616_31304182	NC_021166.1	Ca_kabuli_chr07	31304182	TT	CC	1940416511
SNP_P1_150617_31304445	NC_021166.1	Ca_kabuli_chr07	31304445	AA	GG	1940416512
SNP_P1_150618_31305560	NC_021166.1	Ca_kabuli_chr07	31305560	AA	GG	1940416513
SNP_P1_150619_31305919	NC_021166.1	Ca_kabuli_chr07	31305919	TT	GG	1940416514
SNP_P1_150620_31306352	NC_021166.1	Ca_kabuli_chr07	31306352	TT	AA	1940416515
SNP_P1_150621_31306659	NC_021166.1	Ca_kabuli_chr07	31306659	CC	TT	1940416516
SNP_P1_150622_31306660	NC_021166.1	Ca_kabuli_chr07	31306660	GG	TT	1940416518
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SNP_P1_150625_31306813	NC_021166.1	Ca_kabuli_chr07	31306813	GG	CC	1940416521
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SNP_P1_150637_31308914	NC_021166.1	Ca_kabuli_chr07	31308914	TT	GG	1940416532
SNP_P1_150638_31308923	NC_021166.1	Ca_kabuli_chr07	31308923	CC	TT	1940416533
SNP_P1_150639_31309518	NC_021166.1	Ca_kabuli_chr07	31309518	CC	AA	1940416534
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SNP_P1_150643_31310022	NC_021166.1	Ca_kabuli_chr07	31310022	CC	TT	1940416538
SNP_P1_150644_31310940	NC_021166.1	Ca_kabuli_chr07	31310940	TT	CC	1940416539
SNP_P1_150645_31310943	NC_021166.1	Ca_kabuli_chr07	31310943	TT	CC	1940416540
SNP_P1_150646_31311200	NC_021166.1	Ca_kabuli_chr07	31311200	AA	TT	1940416541
SNP_P1_150647_31312712	NC_021166.1	Ca_kabuli_chr07	31312712	TT	CC	1940416542
SNP_P1_150648_31312755	NC_021166.1	Ca_kabuli_chr07	31312755	CC	TT	1940416543
SNP_P1_150649_31313046	NC_021166.1	Ca_kabuli_chr07	31313046	AA	CC	1940416544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150653_31313596	NC_021166.1	Ca_kabuli_chr07	31313596	CC	TT	1940416547
SNP_P1_150654_31313612	NC_021166.1	Ca_kabuli_chr07	31313612	CC	TT	1940416548
SNP_P1_150655_31313679	NC_021166.1	Ca_kabuli_chr07	31313679	GG	AA	1940416549
SNP_P1_150656_31313717	NC_021166.1	Ca_kabuli_chr07	31313717	GG	AA	1940416550
SNP_P1_150657_31313788	NC_021166.1	Ca_kabuli_chr07	31313788	TT	CC	1940416551
SNP_P1_150658_31316616	NC_021166.1	Ca_kabuli_chr07	31316616	GG	AA	1940416552
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SNP_P1_150660_31317210	NC_021166.1	Ca_kabuli_chr07	31317210	TT	CC	1940416554
SNP_P1_150661_31317216	NC_021166.1	Ca_kabuli_chr07	31317216	TT	CC	1940416555
SNP_P1_150662_31317434	NC_021166.1	Ca_kabuli_chr07	31317434	TT	AA	1940416556
SNP_P1_150663_31317486	NC_021166.1	Ca_kabuli_chr07	31317486	AA	GG	1940416557
SNP_P1_150664_31317823	NC_021166.1	Ca_kabuli_chr07	31317823	CC	GG	1940416558
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SNP_P1_150666_31318579	NC_021166.1	Ca_kabuli_chr07	31318579	GG	TT	1940416560
SNP_P1_150667_31318698	NC_021166.1	Ca_kabuli_chr07	31318698	TT	CC	1940416561
SNP_P1_150668_31319018	NC_021166.1	Ca_kabuli_chr07	31319018	AA	CC	1940416562
SNP_P1_150670_31319323	NC_021166.1	Ca_kabuli_chr07	31319323	GG	AA	1940416563
SNP_P1_150671_31319366	NC_021166.1	Ca_kabuli_chr07	31319366	CC	TT	1940416564
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SNP_P1_150673_31319426	NC_021166.1	Ca_kabuli_chr07	31319426	CC	TT	1940416566
SNP_P1_150674_31319488	NC_021166.1	Ca_kabuli_chr07	31319488	TT	CC	1940416567
SNP_P1_150675_31319493	NC_021166.1	Ca_kabuli_chr07	31319493	TT	CC	1940416568
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SNP_P1_150680_31321389	NC_021166.1	Ca_kabuli_chr07	31321389	GG	AA	1940416573
SNP_P1_150681_31322169	NC_021166.1	Ca_kabuli_chr07	31322169	AA	GG	1940416574
SNP_P1_150682_31322182	NC_021166.1	Ca_kabuli_chr07	31322182	CC	TT	1940416575
SNP_P1_150683_31322239	NC_021166.1	Ca_kabuli_chr07	31322239	CC	TT	1940416576
SNP_P1_150684_31322278	NC_021166.1	Ca_kabuli_chr07	31322278	CC	TT	1940416577
SNP_P1_150685_31322334	NC_021166.1	Ca_kabuli_chr07	31322334	TT	AA	1940416578
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SNP_P1_150689_31322568	NC_021166.1	Ca_kabuli_chr07	31322568	TT	CC	1940416581
SNP_P1_150690_31323131	NC_021166.1	Ca_kabuli_chr07	31323131	AA	TT	1940416582
SNP_P1_150692_31323220	NC_021166.1	Ca_kabuli_chr07	31323220	CC	TT	1940416583
SNP_P1_150693_31329775	NC_021166.1	Ca_kabuli_chr07	31329775	AA	GG	1940416584
SNP_P1_150694_31330009	NC_021166.1	Ca_kabuli_chr07	31330009	AA	TT	1940416585
SNP_P1_150695_31330217	NC_021166.1	Ca_kabuli_chr07	31330217	TT	GG	1940416586

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150698_31330300	NC_021166.1	Ca_kabuli_chr07	31330300	GG	AA	1940416589
SNP_P1_150699_31330330	NC_021166.1	Ca_kabuli_chr07	31330330	CC	TT	1940416590
SNP_P1_150700_31330337	NC_021166.1	Ca_kabuli_chr07	31330337	CC	TT	1940416591
SNP_P1_150701_31330368	NC_021166.1	Ca_kabuli_chr07	31330368	GG	CC	1940416592
SNP_P1_150703_31332209	NC_021166.1	Ca_kabuli_chr07	31332209	TT	AA	1940416593
SNP_P1_150704_31332354	NC_021166.1	Ca_kabuli_chr07	31332354	TT	AA	1940416594
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SNP_P1_150713_31333713	NC_021166.1	Ca_kabuli_chr07	31333713	CC	TT	1940416602
SNP_P1_150714_31333879	NC_021166.1	Ca_kabuli_chr07	31333879	GG	TT	1940416603
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SNP_P1_150729_31337827	NC_021166.1	Ca_kabuli_chr07	31337827	TT	AA	1940416615
SNP_P1_150730_31337864	NC_021166.1	Ca_kabuli_chr07	31337864	GG	AA	1940416616
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SNP_P1_150742_31344324	NC_021166.1	Ca_kabuli_chr07	31344324	TT	CC	1940416628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150745_31344416	NC_021166.1	Ca_kabuli_chr07	31344416	AA	GG	1940416632
SNP_P1_150746_31345329	NC_021166.1	Ca_kabuli_chr07	31345329	AA	GG	1940416633
SNP_P1_150747_31346008	NC_021166.1	Ca_kabuli_chr07	31346008	TT	AA	1940416634
SNP_P1_150748_31346031	NC_021166.1	Ca_kabuli_chr07	31346031	CC	TT	1940416635
SNP_P1_150749_31349666	NC_021166.1	Ca_kabuli_chr07	31349666	AA	TT	1940416636
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SNP_P1_150754_31356086	NC_021166.1	Ca_kabuli_chr07	31356086	CC	TT	1940416640
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SNP_P1_150760_31360298	NC_021166.1	Ca_kabuli_chr07	31360298	GG	AA	1940416645
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SNP_P1_150776_31363168	NC_021166.1	Ca_kabuli_chr07	31363168	GG	TT	1940416659
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SNP_P1_150778_31364353	NC_021166.1	Ca_kabuli_chr07	31364353	AA	GG	1940416661
SNP_P1_150779_31364382	NC_021166.1	Ca_kabuli_chr07	31364382	AA	GG	1940416662
SNP_P1_150780_31364399	NC_021166.1	Ca_kabuli_chr07	31364399	AA	GG	1940416663
SNP_P1_150781_31365699	NC_021166.1	Ca_kabuli_chr07	31365699	AA	CC	1940416664
SNP_P1_150782_31366089	NC_021166.1	Ca_kabuli_chr07	31366089	CC	TT	1940416665
SNP_P1_150783_31366307	NC_021166.1	Ca_kabuli_chr07	31366307	AA	TT	1940416666
SNP_P1_150784_31366340	NC_021166.1	Ca_kabuli_chr07	31366340	TT	CC	1940416667
SNP_P1_150785_31366367	NC_021166.1	Ca_kabuli_chr07	31366367	AA	TT	1940416668
SNP_P1_150786_31367375	NC_021166.1	Ca_kabuli_chr07	31367375	CC	GG	1940416669
SNP_P1_150787_31367402	NC_021166.1	Ca_kabuli_chr07	31367402	AA	GG	1940416670
SNP_P1_150788_31367416	NC_021166.1	Ca_kabuli_chr07	31367416	TT	CC	1940416671

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150790_31367441	NC_021166.1	Ca_kabuli_chr07	31367441	GG	CC	1940416673
SNP_P1_150791_31367751	NC_021166.1	Ca_kabuli_chr07	31367751	CC	TT	1940416674
SNP_P1_150792_31367752	NC_021166.1	Ca_kabuli_chr07	31367752	GG	TT	1940416675
SNP_P1_150794_31368041	NC_021166.1	Ca_kabuli_chr07	31368041	CC	TT	1940416676
SNP_P1_150795_31368585	NC_021166.1	Ca_kabuli_chr07	31368585	TT	CC	1940416677
SNP_P1_150796_31368938	NC_021166.1	Ca_kabuli_chr07	31368938	CC	TT	1940416678
SNP_P1_150797_31369307	NC_021166.1	Ca_kabuli_chr07	31369307	CC	AA	1940416679
SNP_P1_150798_31371422	NC_021166.1	Ca_kabuli_chr07	31371422	CC	GG	1940416680
SNP_P1_150799_31371866	NC_021166.1	Ca_kabuli_chr07	31371866	TT	GG	1940416681
SNP_P1_150800_31371885	NC_021166.1	Ca_kabuli_chr07	31371885	CC	TT	1940416682
SNP_P1_150801_31371977	NC_021166.1	Ca_kabuli_chr07	31371977	TT	CC	1940416683
SNP_P1_150802_31371981	NC_021166.1	Ca_kabuli_chr07	31371981	GG	AA	1940416684
SNP_P1_150803_31372839	NC_021166.1	Ca_kabuli_chr07	31372839	CC	TT	1940416685
SNP_P1_150804_31373123	NC_021166.1	Ca_kabuli_chr07	31373123	TT	AA	1940416686
SNP_P1_150805_31373132	NC_021166.1	Ca_kabuli_chr07	31373132	TT	AA	1940416687
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SNP_P1_150808_31373645	NC_021166.1	Ca_kabuli_chr07	31373645	TT	GG	1940416690
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SNP_P1_150810_31374043	NC_021166.1	Ca_kabuli_chr07	31374043	AA	TT	1940416692
SNP_P1_150811_31374102	NC_021166.1	Ca_kabuli_chr07	31374102	GG	TT	1940416693
SNP_P1_150812_31374120	NC_021166.1	Ca_kabuli_chr07	31374120	AA	GG	1940416694
SNP_P1_150814_31376085	NC_021166.1	Ca_kabuli_chr07	31376085	AA	GG	1940416695
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SNP_P1_150816_31376111	NC_021166.1	Ca_kabuli_chr07	31376111	CC	GG	1940416697
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SNP_P1_150821_31377344	NC_021166.1	Ca_kabuli_chr07	31377344	AA	CC	1940416701
SNP_P1_150824_31378360	NC_021166.1	Ca_kabuli_chr07	31378360	TT	CC	1940416702
SNP_P1_150825_31378402	NC_021166.1	Ca_kabuli_chr07	31378402	AA	TT	1940416703
SNP_P1_150826_31378404	NC_021166.1	Ca_kabuli_chr07	31378404	TT	AA	1940416704
SNP_P1_150827_31378422	NC_021166.1	Ca_kabuli_chr07	31378422	AA	TT	1940416705
SNP_P1_150828_31378594	NC_021166.1	Ca_kabuli_chr07	31378594	AA	GG	1940416706
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SNP_P1_150830_31378816	NC_021166.1	Ca_kabuli_chr07	31378816	GG	AA	1940416708
SNP_P1_150831_31378840	NC_021166.1	Ca_kabuli_chr07	31378840	CC	TT	1940416709
SNP_P1_150832_31384212	NC_021166.1	Ca_kabuli_chr07	31384212	AA	TT	1940416710
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SNP_P1_150835_31384999	NC_021166.1	Ca_kabuli_chr07	31384999	AA	TT	1940416712
SNP_P1_150836_31386790	NC_021166.1	Ca_kabuli_chr07	31386790	GG	AA	1940416713

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150838_31388778	NC_021166.1	Ca_kabuli_chr07	31388778	TT	GG	1940416715
SNP_P1_150839_31389929	NC_021166.1	Ca_kabuli_chr07	31389929	GG	AA	1940416716
SNP_P1_150840_31390148	NC_021166.1	Ca_kabuli_chr07	31390148	CC	GG	1940416717
SNP_P1_150841_31390155	NC_021166.1	Ca_kabuli_chr07	31390155	AA	TT	1940416718
SNP_P1_150844_31390547	NC_021166.1	Ca_kabuli_chr07	31390547	GG	AA	1940416719
SNP_P1_150845_31390843	NC_021166.1	Ca_kabuli_chr07	31390843	TT	CC	1940416720
SNP_P1_150846_31392165	NC_021166.1	Ca_kabuli_chr07	31392165	GG	AA	1940416721
SNP_P1_150848_31399082	NC_021166.1	Ca_kabuli_chr07	31399082	CC	TT	1940416722
SNP_P1_150849_31399122	NC_021166.1	Ca_kabuli_chr07	31399122	CC	TT	1940416723
SNP_P1_150850_31399124	NC_021166.1	Ca_kabuli_chr07	31399124	AA	GG	1940416724
SNP_P1_150851_31399554	NC_021166.1	Ca_kabuli_chr07	31399554	TT	AA	1940416725
SNP_P1_150852_31399632	NC_021166.1	Ca_kabuli_chr07	31399632	CC	TT	1940416726
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SNP_P1_150858_31422145	NC_021166.1	Ca_kabuli_chr07	31422145	AA	CC	1940416732
SNP_P1_150859_31422150	NC_021166.1	Ca_kabuli_chr07	31422150	CC	AA	1940416733
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SNP_P1_150861_31444308	NC_021166.1	Ca_kabuli_chr07	31444308	AA	GG	1940416735
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SNP_P1_150865_31497338	NC_021166.1	Ca_kabuli_chr07	31497338	AA	CC	1940416737
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SNP_P1_150868_31520102	NC_021166.1	Ca_kabuli_chr07	31520102	GG	AA	1940416739
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SNP_P1_150875_31630418	NC_021166.1	Ca_kabuli_chr07	31630418	AA	CC	1940416743
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SNP_P1_150887_31725534	NC_021166.1	Ca_kabuli_chr07	31725534	GG	AA	1940416753
SNP_P1_150888_31728629	NC_021166.1	Ca_kabuli_chr07	31728629	TT	CC	1940416754
SNP_P1_150889_31736304	NC_021166.1	Ca_kabuli_chr07	31736304	AA	TT	1940416755

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150895_31811434	NC_021166.1	Ca_kabuli_chr07	31811434	AA	GG	1940416757
SNP_P1_150896_31811493	NC_021166.1	Ca_kabuli_chr07	31811493	CC	TT	1940416758
SNP_P1_150897_31815286	NC_021166.1	Ca_kabuli_chr07	31815286	CC	AA	1940416759
SNP_P1_150898_31824747	NC_021166.1	Ca_kabuli_chr07	31824747	GG	AA	1940416760
SNP_P1_150899_31837481	NC_021166.1	Ca_kabuli_chr07	31837481	TT	CC	1940416761
SNP_P1_150900_31838883	NC_021166.1	Ca_kabuli_chr07	31838883	TT	AA	1940416762
SNP_P1_150901_31856181	NC_021166.1	Ca_kabuli_chr07	31856181	TT	GG	1940416763
SNP_P1_150904_31915945	NC_021166.1	Ca_kabuli_chr07	31915945	GG	TT	1940416764
SNP_P1_150905_31968224	NC_021166.1	Ca_kabuli_chr07	31968224	TT	GG	1940416765
SNP_P1_150906_31968263	NC_021166.1	Ca_kabuli_chr07	31968263	TT	AA	1940416766
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SNP_P1_150909_31998173	NC_021166.1	Ca_kabuli_chr07	31998173	GG	AA	1940416769
SNP_P1_150910_31998622	NC_021166.1	Ca_kabuli_chr07	31998622	CC	AA	1940416770
SNP_P1_150911_31999008	NC_021166.1	Ca_kabuli_chr07	31999008	CC	TT	1940416771
SNP_P1_150913_32017015	NC_021166.1	Ca_kabuli_chr07	32017015	TT	CC	1940416772
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SNP_P1_150917_32035012	NC_021166.1	Ca_kabuli_chr07	32035012	TT	AA	1940416775
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SNP_P1_150919_32102659	NC_021166.1	Ca_kabuli_chr07	32102659	TT	AA	1940416777
SNP_P1_150921_32102767	NC_021166.1	Ca_kabuli_chr07	32102767	AA	GG	1940416778
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SNP_P1_150931_32274401	NC_021166.1	Ca_kabuli_chr07	32274401	TT	AA	1940416786
SNP_P1_150932_32286219	NC_021166.1	Ca_kabuli_chr07	32286219	AA	GG	1940416787
SNP_P1_150933_32286222	NC_021166.1	Ca_kabuli_chr07	32286222	TT	GG	1940416788
SNP_P1_150934_32295822	NC_021166.1	Ca_kabuli_chr07	32295822	CC	TT	1940416789
SNP_P1_150935_32315084	NC_021166.1	Ca_kabuli_chr07	32315084	CC	TT	1940416790
SNP_P1_150936_32355087	NC_021166.1	Ca_kabuli_chr07	32355087	CC	AA	1940416791
SNP_P1_150937_32357380	NC_021166.1	Ca_kabuli_chr07	32357380	GG	AA	1940416792
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SNP_P1_150939_32357402	NC_021166.1	Ca_kabuli_chr07	32357402	GG	CC	1940416794
SNP_P1_150940_32357419	NC_021166.1	Ca_kabuli_chr07	32357419	GG	CC	1940416795
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SNP_P1_150942_32357447	NC_021166.1	Ca_kabuli_chr07	32357447	AA	GG	1940416797
SNP_P1_150943_32357452	NC_021166.1	Ca_kabuli_chr07	32357452	TT	GG	1940416798

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150946_32357672	NC_021166.1	Ca_kabuli_chr07	32357672	TT	GG	1940416801
SNP_P1_150947_32357684	NC_021166.1	Ca_kabuli_chr07	32357684	CC	AA	1940416802
SNP_P1_150948_32357857	NC_021166.1	Ca_kabuli_chr07	32357857	AA	GG	1940416803
SNP_P1_150949_32358110	NC_021166.1	Ca_kabuli_chr07	32358110	CC	TT	1940416804
SNP_P1_150950_32358254	NC_021166.1	Ca_kabuli_chr07	32358254	AA	GG	1940416805
SNP_P1_150951_32358270	NC_021166.1	Ca_kabuli_chr07	32358270	AA	GG	1940416806
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SNP_P1_150956_32429218	NC_021166.1	Ca_kabuli_chr07	32429218	AA	GG	1940416809
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SNP_P1_150962_32492796	NC_021166.1	Ca_kabuli_chr07	32492796	CC	TT	1940416813
SNP_P1_150963_32504361	NC_021166.1	Ca_kabuli_chr07	32504361	AA	GG	1940416814
SNP_P1_150964_32513344	NC_021166.1	Ca_kabuli_chr07	32513344	GG	AA	1940416815
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SNP_P1_150966_32532423	NC_021166.1	Ca_kabuli_chr07	32532423	GG	AA	1940416817
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SNP_P1_150968_32534546	NC_021166.1	Ca_kabuli_chr07	32534546	AA	TT	1940416819
SNP_P1_150969_32534574	NC_021166.1	Ca_kabuli_chr07	32534574	TT	AA	1940416820
SNP_P1_150970_32534576	NC_021166.1	Ca_kabuli_chr07	32534576	TT	GG	1940416821
SNP_P1_150971_32536663	NC_021166.1	Ca_kabuli_chr07	32536663	AA	TT	1940416822
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SNP_P1_150977_32572955	NC_021166.1	Ca_kabuli_chr07	32572955	TT	CC	1940416827
SNP_P1_150978_32578830	NC_021166.1	Ca_kabuli_chr07	32578830	TT	CC	1940416828
SNP_P1_150979_32578832	NC_021166.1	Ca_kabuli_chr07	32578832	CC	AA	1940416829
SNP_P1_150980_32578844	NC_021166.1	Ca_kabuli_chr07	32578844	CC	GG	1940416830
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SNP_P1_150985_32601221	NC_021166.1	Ca_kabuli_chr07	32601221	CC	TT	1940416834
SNP_P1_150986_32601283	NC_021166.1	Ca_kabuli_chr07	32601283	AA	GG	1940416835
SNP_P1_150987_32601322	NC_021166.1	Ca_kabuli_chr07	32601322	GG	CC	1940416836
SNP_P1_150989_32601528	NC_021166.1	Ca_kabuli_chr07	32601528	GG	CC	1940416837
SNP_P1_150990_32601736	NC_021166.1	Ca_kabuli_chr07	32601736	TT	AA	1940416838
SNP_P1_150991_32601752	NC_021166.1	Ca_kabuli_chr07	32601752	AA	GG	1940416839
SNP_P1_150992_32601781	NC_021166.1	Ca_kabuli_chr07	32601781	GG	CC	1940416840

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_150998_32614263	NC_021166.1	Ca_kabuli_chr07	32614263	GG	TT	1940416843
SNP_P1_150999_32614326	NC_021166.1	Ca_kabuli_chr07	32614326	TT	CC	1940416844
SNP_P1_151000_32620962	NC_021166.1	Ca_kabuli_chr07	32620962	AA	TT	1940416845
SNP_P1_151001_32627409	NC_021166.1	Ca_kabuli_chr07	32627409	CC	TT	1940416846
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SNP_P1_151006_32632959	NC_021166.1	Ca_kabuli_chr07	32632959	TT	GG	1940416851
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SNP_P1_151012_32635848	NC_021166.1	Ca_kabuli_chr07	32635848	GG	TT	1940416857
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SNP_P1_151036_32666370	NC_021166.1	Ca_kabuli_chr07	32666370	AA	CC	1940416875
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SNP_P1_151038_32687765	NC_021166.1	Ca_kabuli_chr07	32687765	TT	CC	1940416877
SNP_P1_151039_32694518	NC_021166.1	Ca_kabuli_chr07	32694518	TT	CC	1940416878
SNP_P1_151040_32695189	NC_021166.1	Ca_kabuli_chr07	32695189	CC	AA	1940416879
SNP_P1_151041_32704655	NC_021166.1	Ca_kabuli_chr07	32704655	AA	GG	1940416880
SNP_P1_151042_32704674	NC_021166.1	Ca_kabuli_chr07	32704674	GG	AA	1940416881
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151046_32746693	NC_021166.1	Ca_kabuli_chr07	32746693	TT	CC	1940416884
SNP_P1_151047_32770341	NC_021166.1	Ca_kabuli_chr07	32770341	TT	CC	1940416885
SNP_P1_151048_32774517	NC_021166.1	Ca_kabuli_chr07	32774517	TT	AA	1940416886
SNP_P1_151049_32814053	NC_021166.1	Ca_kabuli_chr07	32814053	CC	GG	1940416887
SNP_P1_151050_32814072	NC_021166.1	Ca_kabuli_chr07	32814072	AA	TT	1940416888
SNP_P1_151051_32820610	NC_021166.1	Ca_kabuli_chr07	32820610	CC	AA	1940416889
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SNP_P1_151053_32838307	NC_021166.1	Ca_kabuli_chr07	32838307	AA	TT	1940416891
SNP_P1_151055_32848318	NC_021166.1	Ca_kabuli_chr07	32848318	CC	TT	1940416892
SNP_P1_151056_32891007	NC_021166.1	Ca_kabuli_chr07	32891007	CC	TT	1940416893
SNP_P1_151057_32912172	NC_021166.1	Ca_kabuli_chr07	32912172	AA	GG	1940416894
SNP_P1_151058_32918160	NC_021166.1	Ca_kabuli_chr07	32918160	CC	TT	1940416895
SNP_P1_151059_32919155	NC_021166.1	Ca_kabuli_chr07	32919155	TT	AA	1940416896
SNP_P1_151060_32966574	NC_021166.1	Ca_kabuli_chr07	32966574	GG	TT	1940416897
SNP_P1_151061_32969040	NC_021166.1	Ca_kabuli_chr07	32969040	AA	GG	1940416898
SNP_P1_151063_32974415	NC_021166.1	Ca_kabuli_chr07	32974415	AA	GG	1940416899
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SNP_P1_151066_33044855	NC_021166.1	Ca_kabuli_chr07	33044855	TT	CC	1940416902
SNP_P1_151067_33045110	NC_021166.1	Ca_kabuli_chr07	33045110	AA	GG	1940416903
SNP_P1_151068_33045151	NC_021166.1	Ca_kabuli_chr07	33045151	TT	GG	1940416904
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SNP_P1_151072_33050336	NC_021166.1	Ca_kabuli_chr07	33050336	AA	GG	1940416907
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SNP_P1_151078_33051203	NC_021166.1	Ca_kabuli_chr07	33051203	TT	CC	1940416913
SNP_P1_151079_33053856	NC_021166.1	Ca_kabuli_chr07	33053856	CC	AA	1940416914
SNP_P1_151080_33054085	NC_021166.1	Ca_kabuli_chr07	33054085	CC	AA	1940416915
SNP_P1_151081_33054217	NC_021166.1	Ca_kabuli_chr07	33054217	AA	GG	1940416916
SNP_P1_151082_33054400	NC_021166.1	Ca_kabuli_chr07	33054400	AA	GG	1940416917
SNP_P1_151083_33054609	NC_021166.1	Ca_kabuli_chr07	33054609	CC	AA	1940416918
SNP_P1_151084_33054636	NC_021166.1	Ca_kabuli_chr07	33054636	CC	TT	1940416919
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SNP_P1_151086_33055161	NC_021166.1	Ca_kabuli_chr07	33055161	AA	GG	1940416921
SNP_P1_151087_33055251	NC_021166.1	Ca_kabuli_chr07	33055251	CC	TT	1940416922
SNP_P1_151088_33055263	NC_021166.1	Ca_kabuli_chr07	33055263	TT	CC	1940416923
SNP_P1_151089_33055476	NC_021166.1	Ca_kabuli_chr07	33055476	AA	TT	1940416924

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151093_33056294	NC_021166.1	Ca_kabuli_chr07	33056294	CC	GG	1940416927
SNP_P1_151094_33056385	NC_021166.1	Ca_kabuli_chr07	33056385	TT	CC	1940416928
SNP_P1_151095_33056903	NC_021166.1	Ca_kabuli_chr07	33056903	AA	GG	1940416929
SNP_P1_151096_33057894	NC_021166.1	Ca_kabuli_chr07	33057894	GG	AA	1940416930
SNP_P1_151097_33058158	NC_021166.1	Ca_kabuli_chr07	33058158	CC	AA	1940416932
SNP_P1_151098_33058180	NC_021166.1	Ca_kabuli_chr07	33058180	AA	TT	1940416933
SNP_P1_151099_33058199	NC_021166.1	Ca_kabuli_chr07	33058199	AA	CC	1940416934
SNP_P1_151100_33058217	NC_021166.1	Ca_kabuli_chr07	33058217	TT	CC	1940416935
SNP_P1_151101_33058477	NC_021166.1	Ca_kabuli_chr07	33058477	TT	AA	1940416936
SNP_P1_151102_33058497	NC_021166.1	Ca_kabuli_chr07	33058497	GG	AA	1940416937
SNP_P1_151103_33058785	NC_021166.1	Ca_kabuli_chr07	33058785	CC	TT	1940416938
SNP_P1_151104_33058987	NC_021166.1	Ca_kabuli_chr07	33058987	AA	CC	1940416939
SNP_P1_151105_33059032	NC_021166.1	Ca_kabuli_chr07	33059032	GG	AA	1940416940
SNP_P1_151107_33059260	NC_021166.1	Ca_kabuli_chr07	33059260	GG	TT	1940416941
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SNP_P1_151109_33059322	NC_021166.1	Ca_kabuli_chr07	33059322	TT	AA	1940416943
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SNP_P1_151112_33059768	NC_021166.1	Ca_kabuli_chr07	33059768	AA	CC	1940416946
SNP_P1_151113_33059857	NC_021166.1	Ca_kabuli_chr07	33059857	TT	AA	1940416947
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SNP_P1_151119_33062226	NC_021166.1	Ca_kabuli_chr07	33062226	TT	GG	1940416951
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SNP_P1_151123_33062886	NC_021166.1	Ca_kabuli_chr07	33062886	CC	TT	1940416954
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SNP_P1_151125_33063373	NC_021166.1	Ca_kabuli_chr07	33063373	AA	CC	1940416956
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SNP_P1_151129_33063641	NC_021166.1	Ca_kabuli_chr07	33063641	TT	CC	1940416958
SNP_P1_151130_33063696	NC_021166.1	Ca_kabuli_chr07	33063696	AA	CC	1940416959
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SNP_P1_151135_33064700	NC_021166.1	Ca_kabuli_chr07	33064700	GG	AA	1940416964
SNP_P1_151137_33064834	NC_021166.1	Ca_kabuli_chr07	33064834	CC	GG	1940416965
SNP_P1_151138_33065165	NC_021166.1	Ca_kabuli_chr07	33065165	CC	GG	1940416966
SNP_P1_151139_33065169	NC_021166.1	Ca_kabuli_chr07	33065169	TT	CC	1940416967

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151141_33065334	NC_021166.1	Ca_kabuli_chr07	33065334	AA	GG	1940416969
SNP_P1_151142_33065357	NC_021166.1	Ca_kabuli_chr07	33065357	CC	AA	1940416970
SNP_P1_151143_33065410	NC_021166.1	Ca_kabuli_chr07	33065410	AA	CC	1940416971
SNP_P1_151144_33065414	NC_021166.1	Ca_kabuli_chr07	33065414	AA	TT	1940416972
SNP_P1_151145_33065416	NC_021166.1	Ca_kabuli_chr07	33065416	GG	AA	1940416973
SNP_P1_151146_33066059	NC_021166.1	Ca_kabuli_chr07	33066059	TT	CC	1940416974
SNP_P1_151148_33066532	NC_021166.1	Ca_kabuli_chr07	33066532	AA	CC	1940416975
SNP_P1_151149_33066742	NC_021166.1	Ca_kabuli_chr07	33066742	TT	CC	1940416976
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SNP_P1_151154_33066831	NC_021166.1	Ca_kabuli_chr07	33066831	AA	GG	1940416981
SNP_P1_151155_33066834	NC_021166.1	Ca_kabuli_chr07	33066834	GG	AA	1940416982
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SNP_P1_151159_33067242	NC_021166.1	Ca_kabuli_chr07	33067242	AA	TT	1940416985
SNP_P1_151160_33067399	NC_021166.1	Ca_kabuli_chr07	33067399	AA	GG	1940416986
SNP_P1_151161_33067545	NC_021166.1	Ca_kabuli_chr07	33067545	GG	AA	1940416987
SNP_P1_151162_33067564	NC_021166.1	Ca_kabuli_chr07	33067564	GG	AA	1940416988
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SNP_P1_151170_33068493	NC_021166.1	Ca_kabuli_chr07	33068493	CC	TT	1940416994
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SNP_P1_151172_33069005	NC_021166.1	Ca_kabuli_chr07	33069005	CC	TT	1940416996
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SNP_P1_151176_33069181	NC_021166.1	Ca_kabuli_chr07	33069181	CC	TT	1940416998
SNP_P1_151177_33069278	NC_021166.1	Ca_kabuli_chr07	33069278	CC	TT	1940416999
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SNP_P1_151179_33070841	NC_021166.1	Ca_kabuli_chr07	33070841	TT	CC	1940417001
SNP_P1_151180_33070901	NC_021166.1	Ca_kabuli_chr07	33070901	AA	GG	1940417002
SNP_P1_151181_33070970	NC_021166.1	Ca_kabuli_chr07	33070970	GG	CC	1940417003
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SNP_P1_151184_33071344	NC_021166.1	Ca_kabuli_chr07	33071344	CC	TT	1940417006
SNP_P1_151185_33072259	NC_021166.1	Ca_kabuli_chr07	33072259	GG	AA	1940417007
SNP_P1_151187_33072446	NC_021166.1	Ca_kabuli_chr07	33072446	TT	GG	1940417008
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151191_33073177	NC_021166.1	Ca_kabuli_chr07	33073177	CC	TT	1940417012
SNP_P1_151192_33073232	NC_021166.1	Ca_kabuli_chr07	33073232	TT	CC	1940417013
SNP_P1_151193_33100290	NC_021166.1	Ca_kabuli_chr07	33100290	AA	GG	1940417014
SNP_P1_151194_33101347	NC_021166.1	Ca_kabuli_chr07	33101347	TT	CC	1940417015
SNP_P1_151195_33101497	NC_021166.1	Ca_kabuli_chr07	33101497	TT	GG	1940417016
SNP_P1_151196_33102792	NC_021166.1	Ca_kabuli_chr07	33102792	GG	TT	1940417017
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SNP_P1_151199_33102939	NC_021166.1	Ca_kabuli_chr07	33102939	CC	TT	1940417019
SNP_P1_151200_33102950	NC_021166.1	Ca_kabuli_chr07	33102950	TT	CC	1940417020
SNP_P1_151201_33103013	NC_021166.1	Ca_kabuli_chr07	33103013	CC	GG	1940417021
SNP_P1_151202_33103021	NC_021166.1	Ca_kabuli_chr07	33103021	CC	TT	1940417022
SNP_P1_151203_33103049	NC_021166.1	Ca_kabuli_chr07	33103049	AA	GG	1940417023
SNP_P1_151204_33103075	NC_021166.1	Ca_kabuli_chr07	33103075	CC	GG	1940417024
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SNP_P1_151206_33103149	NC_021166.1	Ca_kabuli_chr07	33103149	GG	AA	1940417026
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SNP_P1_151208_33103181	NC_021166.1	Ca_kabuli_chr07	33103181	AA	GG	1940417028
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SNP_P1_151220_33107355	NC_021166.1	Ca_kabuli_chr07	33107355	AA	TT	1940417040
SNP_P1_151222_33107716	NC_021166.1	Ca_kabuli_chr07	33107716	CC	TT	1940417041
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SNP_P1_151226_33112185	NC_021166.1	Ca_kabuli_chr07	33112185	GG	AA	1940417045
SNP_P1_151227_33113027	NC_021166.1	Ca_kabuli_chr07	33113027	GG	AA	1940417046
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SNP_P1_151230_33117179	NC_021166.1	Ca_kabuli_chr07	33117179	TT	GG	1940417049
SNP_P1_151231_33117182	NC_021166.1	Ca_kabuli_chr07	33117182	TT	GG	1940417050
SNP_P1_151232_33117191	NC_021166.1	Ca_kabuli_chr07	33117191	AA	TT	1940417051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151235_33117207	NC_021166.1	Ca_kabuli_chr07	33117207	AA	CC	1940417054
SNP_P1_151236_33117833	NC_021166.1	Ca_kabuli_chr07	33117833	GG	AA	1940417055
SNP_P1_151239_33120531	NC_021166.1	Ca_kabuli_chr07	33120531	AA	GG	1940417056
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SNP_P1_151241_33124163	NC_021166.1	Ca_kabuli_chr07	33124163	AA	CC	1940417058
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SNP_P1_151244_33125695	NC_021166.1	Ca_kabuli_chr07	33125695	TT	CC	1940417061
SNP_P1_151245_33125714	NC_021166.1	Ca_kabuli_chr07	33125714	AA	GG	1940417062
SNP_P1_151246_33125956	NC_021166.1	Ca_kabuli_chr07	33125956	TT	GG	1940417063
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SNP_P1_151250_33127382	NC_021166.1	Ca_kabuli_chr07	33127382	CC	GG	1940417066
SNP_P1_151251_33127397	NC_021166.1	Ca_kabuli_chr07	33127397	CC	AA	1940417067
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SNP_P1_151258_33132110	NC_021166.1	Ca_kabuli_chr07	33132110	TT	AA	1940417073
SNP_P1_151260_33132503	NC_021166.1	Ca_kabuli_chr07	33132503	CC	TT	1940417074
SNP_P1_151261_33132532	NC_021166.1	Ca_kabuli_chr07	33132532	TT	AA	1940417075
SNP_P1_151262_33132838	NC_021166.1	Ca_kabuli_chr07	33132838	TT	GG	1940417076
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SNP_P1_151267_33133579	NC_021166.1	Ca_kabuli_chr07	33133579	CC	TT	1940417082
SNP_P1_151268_33133763	NC_021166.1	Ca_kabuli_chr07	33133763	AA	GG	1940417083
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SNP_P1_151273_33135210	NC_021166.1	Ca_kabuli_chr07	33135210	AA	TT	1940417088
SNP_P1_151274_33138369	NC_021166.1	Ca_kabuli_chr07	33138369	TT	AA	1940417089
SNP_P1_151276_33141226	NC_021166.1	Ca_kabuli_chr07	33141226	AA	GG	1940417090
SNP_P1_151277_33141234	NC_021166.1	Ca_kabuli_chr07	33141234	AA	GG	1940417091
SNP_P1_151278_33141340	NC_021166.1	Ca_kabuli_chr07	33141340	TT	CC	1940417092
SNP_P1_151279_33143611	NC_021166.1	Ca_kabuli_chr07	33143611	TT	CC	1940417093
SNP_P1_151280_33144321	NC_021166.1	Ca_kabuli_chr07	33144321	GG	AA	1940417094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151283_33144404	NC_021166.1	Ca_kabuli_chr07	33144404	TT	CC	1940417097
SNP_P1_151284_33144410	NC_021166.1	Ca_kabuli_chr07	33144410	AA	GG	1940417098
SNP_P1_151285_33144424	NC_021166.1	Ca_kabuli_chr07	33144424	TT	AA	1940417099
SNP_P1_151286_33144563	NC_021166.1	Ca_kabuli_chr07	33144563	GG	AA	1940417100
SNP_P1_151287_33144585	NC_021166.1	Ca_kabuli_chr07	33144585	AA	GG	1940417101
SNP_P1_151288_33144760	NC_021166.1	Ca_kabuli_chr07	33144760	AA	GG	1940417102
SNP_P1_151290_33146241	NC_021166.1	Ca_kabuli_chr07	33146241	CC	TT	1940417103
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SNP_P1_151292_33146317	NC_021166.1	Ca_kabuli_chr07	33146317	AA	TT	1940417105
SNP_P1_151293_33146328	NC_021166.1	Ca_kabuli_chr07	33146328	AA	GG	1940417106
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SNP_P1_151299_33147215	NC_021166.1	Ca_kabuli_chr07	33147215	AA	GG	1940417112
SNP_P1_151300_33147361	NC_021166.1	Ca_kabuli_chr07	33147361	AA	CC	1940417113
SNP_P1_151301_33147436	NC_021166.1	Ca_kabuli_chr07	33147436	TT	CC	1940417114
SNP_P1_151302_33147506	NC_021166.1	Ca_kabuli_chr07	33147506	GG	AA	1940417115
SNP_P1_151303_33147682	NC_021166.1	Ca_kabuli_chr07	33147682	TT	CC	1940417116
SNP_P1_151304_33149087	NC_021166.1	Ca_kabuli_chr07	33149087	TT	CC	1940417117
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SNP_P1_151306_33149120	NC_021166.1	Ca_kabuli_chr07	33149120	TT	CC	1940417119
SNP_P1_151307_33149291	NC_021166.1	Ca_kabuli_chr07	33149291	CC	TT	1940417120
SNP_P1_151308_33149613	NC_021166.1	Ca_kabuli_chr07	33149613	GG	AA	1940417121
SNP_P1_151309_33149732	NC_021166.1	Ca_kabuli_chr07	33149732	CC	TT	1940417122
SNP_P1_151310_33149763	NC_021166.1	Ca_kabuli_chr07	33149763	AA	GG	1940417123
SNP_P1_151312_33149778	NC_021166.1	Ca_kabuli_chr07	33149778	TT	CC	1940417124
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SNP_P1_151316_33150569	NC_021166.1	Ca_kabuli_chr07	33150569	GG	AA	1940417127
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SNP_P1_151320_33152732	NC_021166.1	Ca_kabuli_chr07	33152732	GG	AA	1940417130
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SNP_P1_151323_33152778	NC_021166.1	Ca_kabuli_chr07	33152778	AA	TT	1940417133
SNP_P1_151324_33153552	NC_021166.1	Ca_kabuli_chr07	33153552	AA	TT	1940417134
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SNP_P1_151327_33156064	NC_021166.1	Ca_kabuli_chr07	33156064	TT	AA	1940417136

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151331_33157143	NC_021166.1	Ca_kabuli_chr07	33157143	CC	GG	1940417139
SNP_P1_151333_33157295	NC_021166.1	Ca_kabuli_chr07	33157295	CC	TT	1940417140
SNP_P1_151334_33157449	NC_021166.1	Ca_kabuli_chr07	33157449	CC	TT	1940417141
SNP_P1_151335_33157476	NC_021166.1	Ca_kabuli_chr07	33157476	GG	CC	1940417142
SNP_P1_151336_33157488	NC_021166.1	Ca_kabuli_chr07	33157488	TT	CC	1940417143
SNP_P1_151337_33157495	NC_021166.1	Ca_kabuli_chr07	33157495	TT	AA	1940417144
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SNP_P1_151340_33157596	NC_021166.1	Ca_kabuli_chr07	33157596	TT	CC	1940417147
SNP_P1_151341_33157623	NC_021166.1	Ca_kabuli_chr07	33157623	GG	AA	1940417148
SNP_P1_151342_33157731	NC_021166.1	Ca_kabuli_chr07	33157731	TT	CC	1940417149
SNP_P1_151343_33157841	NC_021166.1	Ca_kabuli_chr07	33157841	AA	GG	1940417150
SNP_P1_151344_33157866	NC_021166.1	Ca_kabuli_chr07	33157866	TT	GG	1940417151
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SNP_P1_151360_33160836	NC_021166.1	Ca_kabuli_chr07	33160836	TT	GG	1940417166
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151380_33166633	NC_021166.1	Ca_kabuli_chr07	33166633	GG	AA	1940417181
SNP_P1_151381_33167131	NC_021166.1	Ca_kabuli_chr07	33167131	TT	CC	1940417182
SNP_P1_151383_33168159	NC_021166.1	Ca_kabuli_chr07	33168159	GG	CC	1940417183
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SNP_P1_151391_33170071	NC_021166.1	Ca_kabuli_chr07	33170071	AA	GG	1940417191
SNP_P1_151392_33170988	NC_021166.1	Ca_kabuli_chr07	33170988	TT	GG	1940417192
SNP_P1_151393_33171236	NC_021166.1	Ca_kabuli_chr07	33171236	GG	TT	1940417193
SNP_P1_151394_33171273	NC_021166.1	Ca_kabuli_chr07	33171273	CC	TT	1940417194
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SNP_P1_151397_33171359	NC_021166.1	Ca_kabuli_chr07	33171359	GG	AA	1940417197
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SNP_P1_151402_33171810	NC_021166.1	Ca_kabuli_chr07	33171810	TT	CC	1940417199
SNP_P1_151403_33171834	NC_021166.1	Ca_kabuli_chr07	33171834	AA	GG	1940417200
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SNP_P1_151407_33172136	NC_021166.1	Ca_kabuli_chr07	33172136	TT	CC	1940417204
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SNP_P1_151410_33172418	NC_021166.1	Ca_kabuli_chr07	33172418	AA	GG	1940417207
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SNP_P1_151412_33172592	NC_021166.1	Ca_kabuli_chr07	33172592	AA	GG	1940417209
SNP_P1_151413_33172628	NC_021166.1	Ca_kabuli_chr07	33172628	TT	AA	1940417210
SNP_P1_151414_33172681	NC_021166.1	Ca_kabuli_chr07	33172681	TT	CC	1940417211
SNP_P1_151415_33173003	NC_021166.1	Ca_kabuli_chr07	33173003	AA	GG	1940417212
SNP_P1_151416_33174178	NC_021166.1	Ca_kabuli_chr07	33174178	CC	TT	1940417213
SNP_P1_151417_33174267	NC_021166.1	Ca_kabuli_chr07	33174267	TT	GG	1940417214
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SNP_P1_151420_33174981	NC_021166.1	Ca_kabuli_chr07	33174981	TT	GG	1940417216
SNP_P1_151421_33174997	NC_021166.1	Ca_kabuli_chr07	33174997	CC	TT	1940417217
SNP_P1_151422_33175021	NC_021166.1	Ca_kabuli_chr07	33175021	TT	CC	1940417218
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SNP_P1_151425_33175133	NC_021166.1	Ca_kabuli_chr07	33175133	TT	CC	1940417220

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151428_33180329	NC_021166.1	Ca_kabuli_chr07	33180329	GG	AA	1940417223
SNP_P1_151429_33181662	NC_021166.1	Ca_kabuli_chr07	33181662	AA	CC	1940417224
SNP_P1_151431_33182084	NC_021166.1	Ca_kabuli_chr07	33182084	TT	GG	1940417225
SNP_P1_151432_33183496	NC_021166.1	Ca_kabuli_chr07	33183496	TT	CC	1940417226
SNP_P1_151433_33185925	NC_021166.1	Ca_kabuli_chr07	33185925	TT	CC	1940417227
SNP_P1_151434_33187147	NC_021166.1	Ca_kabuli_chr07	33187147	CC	AA	1940417228
SNP_P1_151435_33187384	NC_021166.1	Ca_kabuli_chr07	33187384	GG	CC	1940417229
SNP_P1_151438_33187826	NC_021166.1	Ca_kabuli_chr07	33187826	CC	TT	1940417231
SNP_P1_151439_33188074	NC_021166.1	Ca_kabuli_chr07	33188074	CC	GG	1940417232
SNP_P1_151440_33188111	NC_021166.1	Ca_kabuli_chr07	33188111	TT	AA	1940417233
SNP_P1_151441_33188196	NC_021166.1	Ca_kabuli_chr07	33188196	GG	AA	1940417234
SNP_P1_151442_33188243	NC_021166.1	Ca_kabuli_chr07	33188243	CC	TT	1940417235
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SNP_P1_151444_33188559	NC_021166.1	Ca_kabuli_chr07	33188559	CC	TT	1940417237
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SNP_P1_151447_33190120	NC_021166.1	Ca_kabuli_chr07	33190120	GG	TT	1940417240
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SNP_P1_151449_33190295	NC_021166.1	Ca_kabuli_chr07	33190295	AA	GG	1940417242
SNP_P1_151450_33190320	NC_021166.1	Ca_kabuli_chr07	33190320	AA	GG	1940417243
SNP_P1_151451_33190344	NC_021166.1	Ca_kabuli_chr07	33190344	CC	TT	1940417244
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SNP_P1_151459_33191871	NC_021166.1	Ca_kabuli_chr07	33191871	TT	CC	1940417252
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SNP_P1_151461_33191973	NC_021166.1	Ca_kabuli_chr07	33191973	CC	AA	1940417254
SNP_P1_151462_33192122	NC_021166.1	Ca_kabuli_chr07	33192122	TT	CC	1940417255
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SNP_P1_151464_33192185	NC_021166.1	Ca_kabuli_chr07	33192185	TT	CC	1940417257
SNP_P1_151465_33192237	NC_021166.1	Ca_kabuli_chr07	33192237	TT	CC	1940417258
SNP_P1_151466_33192545	NC_021166.1	Ca_kabuli_chr07	33192545	CC	TT	1940417259
SNP_P1_151467_33192679	NC_021166.1	Ca_kabuli_chr07	33192679	AA	GG	1940417260
SNP_P1_151468_33192833	NC_021166.1	Ca_kabuli_chr07	33192833	GG	AA	1940417261
SNP_P1_151469_33193057	NC_021166.1	Ca_kabuli_chr07	33193057	CC	TT	1940417262
SNP_P1_151470_33193063	NC_021166.1	Ca_kabuli_chr07	33193063	GG	AA	1940417263

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151473_33193516	NC_021166.1	Ca_kabuli_chr07	33193516	AA	TT	1940417266
SNP_P1_151474_33193724	NC_021166.1	Ca_kabuli_chr07	33193724	CC	TT	1940417267
SNP_P1_151475_33193753	NC_021166.1	Ca_kabuli_chr07	33193753	GG	AA	1940417268
SNP_P1_151476_33193920	NC_021166.1	Ca_kabuli_chr07	33193920	TT	CC	1940417269
SNP_P1_151477_33193954	NC_021166.1	Ca_kabuli_chr07	33193954	GG	AA	1940417270
SNP_P1_151478_33193962	NC_021166.1	Ca_kabuli_chr07	33193962	CC	TT	1940417271
SNP_P1_151479_33193980	NC_021166.1	Ca_kabuli_chr07	33193980	TT	CC	1940417272
SNP_P1_151480_33194361	NC_021166.1	Ca_kabuli_chr07	33194361	AA	TT	1940417273
SNP_P1_151481_33194466	NC_021166.1	Ca_kabuli_chr07	33194466	AA	GG	1940417274
SNP_P1_151482_33194470	NC_021166.1	Ca_kabuli_chr07	33194470	GG	TT	1940417275
SNP_P1_151483_33194583	NC_021166.1	Ca_kabuli_chr07	33194583	TT	CC	1940417276
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SNP_P1_151487_33195514	NC_021166.1	Ca_kabuli_chr07	33195514	GG	AA	1940417280
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SNP_P1_151489_33195753	NC_021166.1	Ca_kabuli_chr07	33195753	AA	CC	1940417282
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SNP_P1_151492_33197165	NC_021166.1	Ca_kabuli_chr07	33197165	CC	GG	1940417285
SNP_P1_151493_33197183	NC_021166.1	Ca_kabuli_chr07	33197183	TT	CC	1940417286
SNP_P1_151494_33207271	NC_021166.1	Ca_kabuli_chr07	33207271	CC	GG	1940417287
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SNP_P1_151499_33208806	NC_021166.1	Ca_kabuli_chr07	33208806	AA	GG	1940417291
SNP_P1_151500_33209235	NC_021166.1	Ca_kabuli_chr07	33209235	TT	AA	1940417292
SNP_P1_151501_33209295	NC_021166.1	Ca_kabuli_chr07	33209295	CC	TT	1940417293
SNP_P1_151503_33209350	NC_021166.1	Ca_kabuli_chr07	33209350	TT	CC	1940417294
SNP_P1_151504_33209391	NC_021166.1	Ca_kabuli_chr07	33209391	GG	AA	1940417295
SNP_P1_151505_33209406	NC_021166.1	Ca_kabuli_chr07	33209406	AA	GG	1940417296
SNP_P1_151506_33209435	NC_021166.1	Ca_kabuli_chr07	33209435	TT	CC	1940417297
SNP_P1_151507_33209484	NC_021166.1	Ca_kabuli_chr07	33209484	CC	TT	1940417298
SNP_P1_151508_33209521	NC_021166.1	Ca_kabuli_chr07	33209521	AA	CC	1940417299
SNP_P1_151509_33209618	NC_021166.1	Ca_kabuli_chr07	33209618	GG	TT	1940417300
SNP_P1_151510_33209700	NC_021166.1	Ca_kabuli_chr07	33209700	TT	CC	1940417301
SNP_P1_151511_33209719	NC_021166.1	Ca_kabuli_chr07	33209719	CC	AA	1940417302
SNP_P1_151512_33209725	NC_021166.1	Ca_kabuli_chr07	33209725	AA	GG	1940417303
SNP_P1_151513_33209879	NC_021166.1	Ca_kabuli_chr07	33209879	CC	GG	1940417304
SNP_P1_151514_33210138	NC_021166.1	Ca_kabuli_chr07	33210138	CC	AA	1940417305

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151516_33210752	NC_021166.1	Ca_kabuli_chr07	33210752	GG	AA	1940417307
SNP_P1_151517_33211030	NC_021166.1	Ca_kabuli_chr07	33211030	GG	CC	1940417308
SNP_P1_151518_33211033	NC_021166.1	Ca_kabuli_chr07	33211033	AA	GG	1940417309
SNP_P1_151520_33211105	NC_021166.1	Ca_kabuli_chr07	33211105	GG	AA	1940417310
SNP_P1_151522_33211222	NC_021166.1	Ca_kabuli_chr07	33211222	TT	CC	1940417311
SNP_P1_151523_33211232	NC_021166.1	Ca_kabuli_chr07	33211232	CC	TT	1940417312
SNP_P1_151524_33211262	NC_021166.1	Ca_kabuli_chr07	33211262	CC	TT	1940417313
SNP_P1_151525_33212456	NC_021166.1	Ca_kabuli_chr07	33212456	CC	TT	1940417314
SNP_P1_151526_33212519	NC_021166.1	Ca_kabuli_chr07	33212519	AA	GG	1940417315
SNP_P1_151528_33212579	NC_021166.1	Ca_kabuli_chr07	33212579	AA	TT	1940417316
SNP_P1_151529_33212618	NC_021166.1	Ca_kabuli_chr07	33212618	GG	AA	1940417317
SNP_P1_151530_33212633	NC_021166.1	Ca_kabuli_chr07	33212633	TT	AA	1940417318
SNP_P1_151532_33212703	NC_021166.1	Ca_kabuli_chr07	33212703	AA	GG	1940417319
SNP_P1_151533_33212930	NC_021166.1	Ca_kabuli_chr07	33212930	AA	GG	1940417320
SNP_P1_151534_33212958	NC_021166.1	Ca_kabuli_chr07	33212958	GG	AA	1940417321
SNP_P1_151535_33213219	NC_021166.1	Ca_kabuli_chr07	33213219	TT	AA	1940417322
SNP_P1_151536_33213317	NC_021166.1	Ca_kabuli_chr07	33213317	TT	CC	1940417323
SNP_P1_151537_33213489	NC_021166.1	Ca_kabuli_chr07	33213489	CC	TT	1940417324
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SNP_P1_151540_33216513	NC_021166.1	Ca_kabuli_chr07	33216513	GG	AA	1940417327
SNP_P1_151541_33216829	NC_021166.1	Ca_kabuli_chr07	33216829	CC	AA	1940417328
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SNP_P1_151545_33218957	NC_021166.1	Ca_kabuli_chr07	33218957	AA	GG	1940417332
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SNP_P1_151547_33219298	NC_021166.1	Ca_kabuli_chr07	33219298	CC	GG	1940417334
SNP_P1_151548_33219777	NC_021166.1	Ca_kabuli_chr07	33219777	GG	AA	1940417335
SNP_P1_151549_33220412	NC_021166.1	Ca_kabuli_chr07	33220412	CC	TT	1940417336
SNP_P1_151550_33220811	NC_021166.1	Ca_kabuli_chr07	33220811	GG	AA	1940417337
SNP_P1_151551_33221134	NC_021166.1	Ca_kabuli_chr07	33221134	GG	AA	1940417338
SNP_P1_151552_33221267	NC_021166.1	Ca_kabuli_chr07	33221267	TT	CC	1940417339
SNP_P1_151553_33221286	NC_021166.1	Ca_kabuli_chr07	33221286	AA	GG	1940417340
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SNP_P1_151559_33225199	NC_021166.1	Ca_kabuli_chr07	33225199	GG	TT	1940417346
SNP_P1_151560_33225240	NC_021166.1	Ca_kabuli_chr07	33225240	CC	TT	1940417347

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151564_33227367	NC_021166.1	Ca_kabuli_chr07	33227367	TT	CC	1940417350
SNP_P1_151565_33227555	NC_021166.1	Ca_kabuli_chr07	33227555	GG	TT	1940417351
SNP_P1_151566_33227678	NC_021166.1	Ca_kabuli_chr07	33227678	CC	GG	1940417352
SNP_P1_151567_33229566	NC_021166.1	Ca_kabuli_chr07	33229566	AA	CC	1940417353
SNP_P1_151568_33229800	NC_021166.1	Ca_kabuli_chr07	33229800	TT	GG	1940417354
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SNP_P1_151574_33230683	NC_021166.1	Ca_kabuli_chr07	33230683	TT	CC	1940417360
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SNP_P1_151577_33230907	NC_021166.1	Ca_kabuli_chr07	33230907	GG	AA	1940417362
SNP_P1_151579_33230955	NC_021166.1	Ca_kabuli_chr07	33230955	AA	GG	1940417363
SNP_P1_151580_33230975	NC_021166.1	Ca_kabuli_chr07	33230975	CC	AA	1940417364
SNP_P1_151581_33232708	NC_021166.1	Ca_kabuli_chr07	33232708	AA	TT	1940417365
SNP_P1_151583_33233661	NC_021166.1	Ca_kabuli_chr07	33233661	TT	AA	1940417366
SNP_P1_151584_33234370	NC_021166.1	Ca_kabuli_chr07	33234370	TT	GG	1940417367
SNP_P1_151585_33234474	NC_021166.1	Ca_kabuli_chr07	33234474	TT	GG	1940417368
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SNP_P1_151587_33234716	NC_021166.1	Ca_kabuli_chr07	33234716	TT	GG	1940417370
SNP_P1_151588_33234724	NC_021166.1	Ca_kabuli_chr07	33234724	CC	TT	1940417371
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SNP_P1_151594_33235756	NC_021166.1	Ca_kabuli_chr07	33235756	AA	TT	1940417376
SNP_P1_151595_33235974	NC_021166.1	Ca_kabuli_chr07	33235974	TT	AA	1940417377
SNP_P1_151596_33236022	NC_021166.1	Ca_kabuli_chr07	33236022	TT	GG	1940417378
SNP_P1_151597_33236050	NC_021166.1	Ca_kabuli_chr07	33236050	TT	AA	1940417379
SNP_P1_151598_33236058	NC_021166.1	Ca_kabuli_chr07	33236058	TT	GG	1940417380
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SNP_P1_151602_33237300	NC_021166.1	Ca_kabuli_chr07	33237300	CC	TT	1940417384
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SNP_P1_151607_33237397	NC_021166.1	Ca_kabuli_chr07	33237397	GG	TT	1940417388
SNP_P1_151609_33238264	NC_021166.1	Ca_kabuli_chr07	33238264	AA	TT	1940417389
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151614_33239671	NC_021166.1	Ca_kabuli_chr07	33239671	AA	GG	1940417393
SNP_P1_151615_33239915	NC_021166.1	Ca_kabuli_chr07	33239915	GG	AA	1940417394
SNP_P1_151616_33241022	NC_021166.1	Ca_kabuli_chr07	33241022	AA	GG	1940417395
SNP_P1_151617_33241062	NC_021166.1	Ca_kabuli_chr07	33241062	CC	TT	1940417396
SNP_P1_151620_33241518	NC_021166.1	Ca_kabuli_chr07	33241518	TT	CC	1940417397
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SNP_P1_151624_33242748	NC_021166.1	Ca_kabuli_chr07	33242748	CC	AA	1940417400
SNP_P1_151625_33243427	NC_021166.1	Ca_kabuli_chr07	33243427	TT	GG	1940417401
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SNP_P1_151659_33249138	NC_021166.1	Ca_kabuli_chr07	33249138	TT	CC	1940417431
SNP_P1_151660_33249284	NC_021166.1	Ca_kabuli_chr07	33249284	AA	CC	1940417432

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151663_33250823	NC_021166.1	Ca_kabuli_chr07	33250823	GG	CC	1940417435
SNP_P1_151664_33251299	NC_021166.1	Ca_kabuli_chr07	33251299	AA	CC	1940417436
SNP_P1_151666_33251346	NC_021166.1	Ca_kabuli_chr07	33251346	AA	CC	1940417437
SNP_P1_151667_33251379	NC_021166.1	Ca_kabuli_chr07	33251379	AA	CC	1940417438
SNP_P1_151669_33252292	NC_021166.1	Ca_kabuli_chr07	33252292	CC	TT	1940417439
SNP_P1_151670_33252592	NC_021166.1	Ca_kabuli_chr07	33252592	TT	GG	1940417440
SNP_P1_151671_33252686	NC_021166.1	Ca_kabuli_chr07	33252686	TT	AA	1940417441
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SNP_P1_151674_33253457	NC_021166.1	Ca_kabuli_chr07	33253457	GG	AA	1940417444
SNP_P1_151676_33253701	NC_021166.1	Ca_kabuli_chr07	33253701	CC	AA	1940417445
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SNP_P1_151697_33257433	NC_021166.1	Ca_kabuli_chr07	33257433	TT	CC	1940417465
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SNP_P1_151704_33258145	NC_021166.1	Ca_kabuli_chr07	33258145	TT	AA	1940417470
SNP_P1_151706_33258421	NC_021166.1	Ca_kabuli_chr07	33258421	AA	GG	1940417471
SNP_P1_151708_33265594	NC_021166.1	Ca_kabuli_chr07	33265594	GG	TT	1940417472
SNP_P1_151709_33266395	NC_021166.1	Ca_kabuli_chr07	33266395	GG	AA	1940417473
SNP_P1_151710_33266404	NC_021166.1	Ca_kabuli_chr07	33266404	AA	TT	1940417474

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151713_33266451	NC_021166.1	Ca_kabuli_chr07	33266451	GG	AA	1940417477
SNP_P1_151714_33266469	NC_021166.1	Ca_kabuli_chr07	33266469	AA	TT	1940417478
SNP_P1_151715_33266473	NC_021166.1	Ca_kabuli_chr07	33266473	TT	CC	1940417480
SNP_P1_151716_33266630	NC_021166.1	Ca_kabuli_chr07	33266630	GG	AA	1940417481
SNP_P1_151717_33266674	NC_021166.1	Ca_kabuli_chr07	33266674	CC	AA	1940417482
SNP_P1_151719_33266789	NC_021166.1	Ca_kabuli_chr07	33266789	GG	CC	1940417483
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SNP_P1_151759_33277536	NC_021166.1	Ca_kabuli_chr07	33277536	GG	AA	1940417515
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151767_33283535	NC_021166.1	Ca_kabuli_chr07	33283535	AA	GG	1940417521
SNP_P1_151768_33283608	NC_021166.1	Ca_kabuli_chr07	33283608	GG	AA	1940417522
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SNP_P1_151796_33289318	NC_021166.1	Ca_kabuli_chr07	33289318	CC	TT	1940417546
SNP_P1_151797_33289338	NC_021166.1	Ca_kabuli_chr07	33289338	CC	TT	1940417547
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SNP_P1_151801_33290147	NC_021166.1	Ca_kabuli_chr07	33290147	TT	AA	1940417551
SNP_P1_151802_33290257	NC_021166.1	Ca_kabuli_chr07	33290257	GG	AA	1940417552
SNP_P1_151804_33290611	NC_021166.1	Ca_kabuli_chr07	33290611	CC	TT	1940417553
SNP_P1_151805_33290616	NC_021166.1	Ca_kabuli_chr07	33290616	CC	TT	1940417554
SNP_P1_151806_33290741	NC_021166.1	Ca_kabuli_chr07	33290741	AA	GG	1940417555
SNP_P1_151807_33290764	NC_021166.1	Ca_kabuli_chr07	33290764	CC	TT	1940417556
SNP_P1_151808_33290785	NC_021166.1	Ca_kabuli_chr07	33290785	GG	CC	1940417557
SNP_P1_151809_33290803	NC_021166.1	Ca_kabuli_chr07	33290803	AA	TT	1940417558
SNP_P1_151810_33291014	NC_021166.1	Ca_kabuli_chr07	33291014	CC	TT	1940417559

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151812_33291065	NC_021166.1	Ca_kabuli_chr07	33291065	TT	CC	1940417561
SNP_P1_151813_33291071	NC_021166.1	Ca_kabuli_chr07	33291071	AA	CC	1940417562
SNP_P1_151814_33291082	NC_021166.1	Ca_kabuli_chr07	33291082	GG	AA	1940417563
SNP_P1_151815_33291289	NC_021166.1	Ca_kabuli_chr07	33291289	AA	GG	1940417564
SNP_P1_151816_33291290	NC_021166.1	Ca_kabuli_chr07	33291290	AA	GG	1940417565
SNP_P1_151817_33291349	NC_021166.1	Ca_kabuli_chr07	33291349	TT	CC	1940417566
SNP_P1_151819_33291716	NC_021166.1	Ca_kabuli_chr07	33291716	TT	AA	1940417567
SNP_P1_151820_33292704	NC_021166.1	Ca_kabuli_chr07	33292704	CC	TT	1940417568
SNP_P1_151821_33293038	NC_021166.1	Ca_kabuli_chr07	33293038	CC	TT	1940417569
SNP_P1_151822_33293081	NC_021166.1	Ca_kabuli_chr07	33293081	TT	GG	1940417570
SNP_P1_151823_33293105	NC_021166.1	Ca_kabuli_chr07	33293105	AA	GG	1940417571
SNP_P1_151824_33293112	NC_021166.1	Ca_kabuli_chr07	33293112	GG	AA	1940417572
SNP_P1_151825_33293350	NC_021166.1	Ca_kabuli_chr07	33293350	GG	TT	1940417573
SNP_P1_151826_33293354	NC_021166.1	Ca_kabuli_chr07	33293354	GG	AA	1940417574
SNP_P1_151828_33293578	NC_021166.1	Ca_kabuli_chr07	33293578	AA	GG	1940417575
SNP_P1_151829_33293581	NC_021166.1	Ca_kabuli_chr07	33293581	TT	AA	1940417576
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SNP_P1_151831_33293617	NC_021166.1	Ca_kabuli_chr07	33293617	TT	GG	1940417578
SNP_P1_151832_33293992	NC_021166.1	Ca_kabuli_chr07	33293992	AA	GG	1940417579
SNP_P1_151835_33295396	NC_021166.1	Ca_kabuli_chr07	33295396	AA	TT	1940417580
SNP_P1_151837_33295705	NC_021166.1	Ca_kabuli_chr07	33295705	AA	CC	1940417581
SNP_P1_151838_33295989	NC_021166.1	Ca_kabuli_chr07	33295989	AA	TT	1940417582
SNP_P1_151839_33296063	NC_021166.1	Ca_kabuli_chr07	33296063	AA	TT	1940417583
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SNP_P1_151841_33296075	NC_021166.1	Ca_kabuli_chr07	33296075	AA	TT	1940417585
SNP_P1_151842_33296076	NC_021166.1	Ca_kabuli_chr07	33296076	TT	AA	1940417586
SNP_P1_151843_33296088	NC_021166.1	Ca_kabuli_chr07	33296088	AA	GG	1940417587
SNP_P1_151844_33296091	NC_021166.1	Ca_kabuli_chr07	33296091	GG	AA	1940417588
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SNP_P1_151846_33296280	NC_021166.1	Ca_kabuli_chr07	33296280	TT	AA	1940417590
SNP_P1_151847_33296298	NC_021166.1	Ca_kabuli_chr07	33296298	AA	TT	1940417591
SNP_P1_151848_33296300	NC_021166.1	Ca_kabuli_chr07	33296300	AA	TT	1940417592
SNP_P1_151849_33296939	NC_021166.1	Ca_kabuli_chr07	33296939	TT	GG	1940417593
SNP_P1_151850_33296945	NC_021166.1	Ca_kabuli_chr07	33296945	CC	TT	1940417594
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SNP_P1_151852_33297142	NC_021166.1	Ca_kabuli_chr07	33297142	GG	TT	1940417596
SNP_P1_151853_33297170	NC_021166.1	Ca_kabuli_chr07	33297170	GG	AA	1940417597
SNP_P1_151854_33297188	NC_021166.1	Ca_kabuli_chr07	33297188	TT	CC	1940417598
SNP_P1_151855_33297261	NC_021166.1	Ca_kabuli_chr07	33297261	AA	GG	1940417599
SNP_P1_151856_33297267	NC_021166.1	Ca_kabuli_chr07	33297267	AA	TT	1940417600
SNP_P1_151857_33297732	NC_021166.1	Ca_kabuli_chr07	33297732	TT	AA	1940417601

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151861_33299214	NC_021166.1	Ca_kabuli_chr07	33299214	TT	CC	1940417604
SNP_P1_151862_33299481	NC_021166.1	Ca_kabuli_chr07	33299481	CC	GG	1940417605
SNP_P1_151863_33299488	NC_021166.1	Ca_kabuli_chr07	33299488	TT	CC	1940417606
SNP_P1_151864_33299503	NC_021166.1	Ca_kabuli_chr07	33299503	TT	AA	1940417607
SNP_P1_151865_33302737	NC_021166.1	Ca_kabuli_chr07	33302737	GG	AA	1940417608
SNP_P1_151867_33303458	NC_021166.1	Ca_kabuli_chr07	33303458	CC	AA	1940417609
SNP_P1_151868_33303757	NC_021166.1	Ca_kabuli_chr07	33303757	TT	CC	1940417610
SNP_P1_151869_33303767	NC_021166.1	Ca_kabuli_chr07	33303767	AA	GG	1940417611
SNP_P1_151870_33306021	NC_021166.1	Ca_kabuli_chr07	33306021	CC	GG	1940417612
SNP_P1_151871_33306490	NC_021166.1	Ca_kabuli_chr07	33306490	TT	AA	1940417613
SNP_P1_151872_33307320	NC_021166.1	Ca_kabuli_chr07	33307320	CC	TT	1940417614
SNP_P1_151873_33307327	NC_021166.1	Ca_kabuli_chr07	33307327	GG	AA	1940417615
SNP_P1_151874_33307330	NC_021166.1	Ca_kabuli_chr07	33307330	TT	AA	1940417616
SNP_P1_151875_33307331	NC_021166.1	Ca_kabuli_chr07	33307331	TT	GG	1940417617
SNP_P1_151876_33307335	NC_021166.1	Ca_kabuli_chr07	33307335	TT	CC	1940417618
SNP_P1_151877_33307380	NC_021166.1	Ca_kabuli_chr07	33307380	GG	AA	1940417619
SNP_P1_151878_33308136	NC_021166.1	Ca_kabuli_chr07	33308136	AA	GG	1940417620
SNP_P1_151879_33308170	NC_021166.1	Ca_kabuli_chr07	33308170	CC	TT	1940417621
SNP_P1_151880_33320448	NC_021166.1	Ca_kabuli_chr07	33320448	CC	TT	1940417622
SNP_P1_151881_33320453	NC_021166.1	Ca_kabuli_chr07	33320453	AA	GG	1940417623
SNP_P1_151882_33324582	NC_021166.1	Ca_kabuli_chr07	33324582	AA	TT	1940417624
SNP_P1_151883_33324597	NC_021166.1	Ca_kabuli_chr07	33324597	AA	TT	1940417625
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SNP_P1_151886_33325202	NC_021166.1	Ca_kabuli_chr07	33325202	CC	TT	1940417629
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SNP_P1_151888_33326467	NC_021166.1	Ca_kabuli_chr07	33326467	TT	GG	1940417631
SNP_P1_151889_33326499	NC_021166.1	Ca_kabuli_chr07	33326499	TT	CC	1940417632
SNP_P1_151890_33327180	NC_021166.1	Ca_kabuli_chr07	33327180	CC	TT	1940417633
SNP_P1_151892_33327551	NC_021166.1	Ca_kabuli_chr07	33327551	TT	GG	1940417634
SNP_P1_151893_33328627	NC_021166.1	Ca_kabuli_chr07	33328627	AA	GG	1940417635
SNP_P1_151894_33328630	NC_021166.1	Ca_kabuli_chr07	33328630	CC	TT	1940417636
SNP_P1_151895_33328661	NC_021166.1	Ca_kabuli_chr07	33328661	CC	TT	1940417637
SNP_P1_151896_33329144	NC_021166.1	Ca_kabuli_chr07	33329144	TT	CC	1940417638
SNP_P1_151897_33329162	NC_021166.1	Ca_kabuli_chr07	33329162	GG	TT	1940417639
SNP_P1_151898_33329172	NC_021166.1	Ca_kabuli_chr07	33329172	GG	AA	1940417640
SNP_P1_151900_33329373	NC_021166.1	Ca_kabuli_chr07	33329373	TT	AA	1940417641
SNP_P1_151901_33329375	NC_021166.1	Ca_kabuli_chr07	33329375	AA	TT	1940417642
SNP_P1_151902_33329405	NC_021166.1	Ca_kabuli_chr07	33329405	CC	TT	1940417643
SNP_P1_151903_33329408	NC_021166.1	Ca_kabuli_chr07	33329408	AA	GG	1940417644

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151905_33329576	NC_021166.1	Ca_kabuli_chr07	33329576	CC	AA	1940417646
SNP_P1_151906_33329689	NC_021166.1	Ca_kabuli_chr07	33329689	AA	CC	1940417647
SNP_P1_151907_33329706	NC_021166.1	Ca_kabuli_chr07	33329706	TT	CC	1940417648
SNP_P1_151908_33329708	NC_021166.1	Ca_kabuli_chr07	33329708	AA	GG	1940417649
SNP_P1_151909_33329709	NC_021166.1	Ca_kabuli_chr07	33329709	TT	GG	1940417650
SNP_P1_151910_33330067	NC_021166.1	Ca_kabuli_chr07	33330067	AA	CC	1940417651
SNP_P1_151911_33330071	NC_021166.1	Ca_kabuli_chr07	33330071	GG	AA	1940417652
SNP_P1_151912_33331008	NC_021166.1	Ca_kabuli_chr07	33331008	CC	TT	1940417653
SNP_P1_151913_33333665	NC_021166.1	Ca_kabuli_chr07	33333665	CC	AA	1940417654
SNP_P1_151914_33334743	NC_021166.1	Ca_kabuli_chr07	33334743	GG	CC	1940417655
SNP_P1_151915_33334754	NC_021166.1	Ca_kabuli_chr07	33334754	TT	CC	1940417656
SNP_P1_151917_33335688	NC_021166.1	Ca_kabuli_chr07	33335688	CC	TT	1940417657
SNP_P1_151918_33336139	NC_021166.1	Ca_kabuli_chr07	33336139	CC	TT	1940417658
SNP_P1_151920_33336464	NC_021166.1	Ca_kabuli_chr07	33336464	GG	AA	1940417659
SNP_P1_151921_33336653	NC_021166.1	Ca_kabuli_chr07	33336653	TT	CC	1940417660
SNP_P1_151922_33336996	NC_021166.1	Ca_kabuli_chr07	33336996	CC	TT	1940417661
SNP_P1_151923_33338096	NC_021166.1	Ca_kabuli_chr07	33338096	AA	TT	1940417662
SNP_P1_151924_33338100	NC_021166.1	Ca_kabuli_chr07	33338100	TT	CC	1940417663
SNP_P1_151925_33338107	NC_021166.1	Ca_kabuli_chr07	33338107	CC	AA	1940417664
SNP_P1_151926_33338337	NC_021166.1	Ca_kabuli_chr07	33338337	CC	AA	1940417665
SNP_P1_151927_33338359	NC_021166.1	Ca_kabuli_chr07	33338359	TT	GG	1940417666
SNP_P1_151928_33338385	NC_021166.1	Ca_kabuli_chr07	33338385	TT	AA	1940417667
SNP_P1_151929_33338390	NC_021166.1	Ca_kabuli_chr07	33338390	CC	GG	1940417668
SNP_P1_151930_33338405	NC_021166.1	Ca_kabuli_chr07	33338405	AA	GG	1940417669
SNP_P1_151931_33338406	NC_021166.1	Ca_kabuli_chr07	33338406	CC	TT	1940417670
SNP_P1_151932_33338445	NC_021166.1	Ca_kabuli_chr07	33338445	TT	CC	1940417671
SNP_P1_151933_33338477	NC_021166.1	Ca_kabuli_chr07	33338477	AA	GG	1940417672
SNP_P1_151934_33340554	NC_021166.1	Ca_kabuli_chr07	33340554	AA	TT	1940417673
SNP_P1_151935_33340564	NC_021166.1	Ca_kabuli_chr07	33340564	GG	AA	1940417674
SNP_P1_151936_33340981	NC_021166.1	Ca_kabuli_chr07	33340981	CC	TT	1940417675
SNP_P1_151937_33341418	NC_021166.1	Ca_kabuli_chr07	33341418	GG	AA	1940417676
SNP_P1_151938_33341428	NC_021166.1	Ca_kabuli_chr07	33341428	GG	TT	1940417677
SNP_P1_151939_33342246	NC_021166.1	Ca_kabuli_chr07	33342246	GG	AA	1940417678
SNP_P1_151940_33342502	NC_021166.1	Ca_kabuli_chr07	33342502	GG	TT	1940417679
SNP_P1_151941_33342537	NC_021166.1	Ca_kabuli_chr07	33342537	GG	TT	1940417680
SNP_P1_151942_33342538	NC_021166.1	Ca_kabuli_chr07	33342538	GG	AA	1940417681
SNP_P1_151943_33343248	NC_021166.1	Ca_kabuli_chr07	33343248	CC	GG	1940417682
SNP_P1_151945_33344752	NC_021166.1	Ca_kabuli_chr07	33344752	AA	GG	1940417683
SNP_P1_151946_33344776	NC_021166.1	Ca_kabuli_chr07	33344776	TT	CC	1940417684
SNP_P1_151947_33344783	NC_021166.1	Ca_kabuli_chr07	33344783	AA	GG	1940417685
SNP_P1_151948_33344828	NC_021166.1	Ca_kabuli_chr07	33344828	TT	AA	1940417686

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_151950_33344851	NC_021166.1	Ca_kabuli_chr07	33344851	AA	GG	1940417688
SNP_P1_151951_33345355	NC_021166.1	Ca_kabuli_chr07	33345355	CC	TT	1940417689
SNP_P1_151952_33345380	NC_021166.1	Ca_kabuli_chr07	33345380	GG	AA	1940417690
SNP_P1_151954_33345895	NC_021166.1	Ca_kabuli_chr07	33345895	CC	GG	1940417691
SNP_P1_151955_33346008	NC_021166.1	Ca_kabuli_chr07	33346008	CC	AA	1940417692
SNP_P1_151956_33346053	NC_021166.1	Ca_kabuli_chr07	33346053	TT	AA	1940417693
SNP_P1_151957_33346133	NC_021166.1	Ca_kabuli_chr07	33346133	CC	TT	1940417694
SNP_P1_151959_33346374	NC_021166.1	Ca_kabuli_chr07	33346374	TT	AA	1940417695
SNP_P1_151960_33346399	NC_021166.1	Ca_kabuli_chr07	33346399	GG	CC	1940417696
SNP_P1_151962_33348524	NC_021166.1	Ca_kabuli_chr07	33348524	GG	AA	1940417697
SNP_P1_151963_33348955	NC_021166.1	Ca_kabuli_chr07	33348955	TT	AA	1940417698
SNP_P1_151964_33349219	NC_021166.1	Ca_kabuli_chr07	33349219	GG	AA	1940417699
SNP_P1_151965_33349645	NC_021166.1	Ca_kabuli_chr07	33349645	GG	AA	1940417700
SNP_P1_151966_33349798	NC_021166.1	Ca_kabuli_chr07	33349798	AA	GG	1940417701
SNP_P1_151968_33355025	NC_021166.1	Ca_kabuli_chr07	33355025	TT	GG	1940417702
SNP_P1_151969_33355094	NC_021166.1	Ca_kabuli_chr07	33355094	AA	GG	1940417703
SNP_P1_151970_33356049	NC_021166.1	Ca_kabuli_chr07	33356049	AA	GG	1940417704
SNP_P1_151971_33356130	NC_021166.1	Ca_kabuli_chr07	33356130	TT	CC	1940417705
SNP_P1_151972_33356139	NC_021166.1	Ca_kabuli_chr07	33356139	AA	GG	1940417706
SNP_P1_151973_33356370	NC_021166.1	Ca_kabuli_chr07	33356370	TT	CC	1940417707
SNP_P1_151974_33356814	NC_021166.1	Ca_kabuli_chr07	33356814	GG	TT	1940417708
SNP_P1_151975_33357280	NC_021166.1	Ca_kabuli_chr07	33357280	AA	GG	1940417709
SNP_P1_151976_33357403	NC_021166.1	Ca_kabuli_chr07	33357403	TT	CC	1940417710
SNP_P1_151978_33359029	NC_021166.1	Ca_kabuli_chr07	33359029	TT	CC	1940417711
SNP_P1_151979_33359436	NC_021166.1	Ca_kabuli_chr07	33359436	CC	TT	1940417712
SNP_P1_151980_33360578	NC_021166.1	Ca_kabuli_chr07	33360578	CC	AA	1940417713
SNP_P1_151981_33360828	NC_021166.1	Ca_kabuli_chr07	33360828	GG	AA	1940417714
SNP_P1_151982_33360846	NC_021166.1	Ca_kabuli_chr07	33360846	AA	TT	1940417715
SNP_P1_151983_33360854	NC_021166.1	Ca_kabuli_chr07	33360854	AA	CC	1940417716
SNP_P1_151984_33361024	NC_021166.1	Ca_kabuli_chr07	33361024	AA	GG	1940417717
SNP_P1_151986_33361617	NC_021166.1	Ca_kabuli_chr07	33361617	TT	AA	1940417718
SNP_P1_151987_33363383	NC_021166.1	Ca_kabuli_chr07	33363383	TT	CC	1940417719
SNP_P1_151988_33363666	NC_021166.1	Ca_kabuli_chr07	33363666	TT	CC	1940417720
SNP_P1_151989_33364354	NC_021166.1	Ca_kabuli_chr07	33364354	GG	AA	1940417721
SNP_P1_151990_33364643	NC_021166.1	Ca_kabuli_chr07	33364643	TT	GG	1940417722
SNP_P1_151991_33364712	NC_021166.1	Ca_kabuli_chr07	33364712	CC	TT	1940417723
SNP_P1_151992_33364862	NC_021166.1	Ca_kabuli_chr07	33364862	GG	AA	1940417724
SNP_P1_151993_33365051	NC_021166.1	Ca_kabuli_chr07	33365051	AA	GG	1940417725
SNP_P1_151994_33365533	NC_021166.1	Ca_kabuli_chr07	33365533	AA	GG	1940417726
SNP_P1_151995_33367220	NC_021166.1	Ca_kabuli_chr07	33367220	AA	CC	1940417727
SNP_P1_151996_33367222	NC_021166.1	Ca_kabuli_chr07	33367222	AA	GG	1940417728

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_151998_33367487	NC_021166.1	Ca_kabuli_chr07	33367487	CC	TT	1940417729
SNP_P1_151999_33367536	NC_021166.1	Ca_kabuli_chr07	33367536	AA	CC	1940417730
SNP_P1_152000_33367778	NC_021166.1	Ca_kabuli_chr07	33367778	GG	TT	1940417731
SNP_P1_152001_33367836	NC_021166.1	Ca_kabuli_chr07	33367836	TT	CC	1940417732
SNP_P1_152002_33367900	NC_021166.1	Ca_kabuli_chr07	33367900	TT	AA	1940417733
SNP_P1_152004_33368617	NC_021166.1	Ca_kabuli_chr07	33368617	GG	AA	1940417734
SNP_P1_152005_33368633	NC_021166.1	Ca_kabuli_chr07	33368633	AA	GG	1940417735
SNP_P1_152006_33368827	NC_021166.1	Ca_kabuli_chr07	33368827	TT	CC	1940417736
SNP_P1_152007_33369121	NC_021166.1	Ca_kabuli_chr07	33369121	CC	TT	1940417737
SNP_P1_152008_33369161	NC_021166.1	Ca_kabuli_chr07	33369161	GG	AA	1940417738
SNP_P1_152009_33369412	NC_021166.1	Ca_kabuli_chr07	33369412	AA	GG	1940417739
SNP_P1_152010_33369989	NC_021166.1	Ca_kabuli_chr07	33369989	AA	TT	1940417740
SNP_P1_152011_33370914	NC_021166.1	Ca_kabuli_chr07	33370914	GG	AA	1940417741
SNP_P1_152012_33370918	NC_021166.1	Ca_kabuli_chr07	33370918	GG	AA	1940417742
SNP_P1_152013_33370948	NC_021166.1	Ca_kabuli_chr07	33370948	GG	AA	1940417743
SNP_P1_152014_33372180	NC_021166.1	Ca_kabuli_chr07	33372180	TT	CC	1940417744
SNP_P1_152015_33372458	NC_021166.1	Ca_kabuli_chr07	33372458	TT	AA	1940417745
SNP_P1_152016_33372854	NC_021166.1	Ca_kabuli_chr07	33372854	TT	GG	1940417746
SNP_P1_152017_33372887	NC_021166.1	Ca_kabuli_chr07	33372887	AA	TT	1940417747
SNP_P1_152021_33374095	NC_021166.1	Ca_kabuli_chr07	33374095	CC	TT	1940417748
SNP_P1_152022_33376293	NC_021166.1	Ca_kabuli_chr07	33376293	GG	AA	1940417749
SNP_P1_152023_33378049	NC_021166.1	Ca_kabuli_chr07	33378049	AA	GG	1940417750
SNP_P1_152024_33378114	NC_021166.1	Ca_kabuli_chr07	33378114	CC	TT	1940417751
SNP_P1_152025_33379038	NC_021166.1	Ca_kabuli_chr07	33379038	CC	TT	1940417752
SNP_P1_152026_33379552	NC_021166.1	Ca_kabuli_chr07	33379552	CC	TT	1940417753
SNP_P1_152027_33381245	NC_021166.1	Ca_kabuli_chr07	33381245	CC	TT	1940417754
SNP_P1_152028_33381739	NC_021166.1	Ca_kabuli_chr07	33381739	AA	GG	1940417755
SNP_P1_152029_33381742	NC_021166.1	Ca_kabuli_chr07	33381742	TT	AA	1940417756
SNP_P1_152030_33381749	NC_021166.1	Ca_kabuli_chr07	33381749	TT	GG	1940417757
SNP_P1_152031_33382123	NC_021166.1	Ca_kabuli_chr07	33382123	CC	TT	1940417758
SNP_P1_152032_33382676	NC_021166.1	Ca_kabuli_chr07	33382676	GG	AA	1940417759
SNP_P1_152033_33382718	NC_021166.1	Ca_kabuli_chr07	33382718	AA	CC	1940417760
SNP_P1_152034_33382725	NC_021166.1	Ca_kabuli_chr07	33382725	AA	CC	1940417761
SNP_P1_152035_33382992	NC_021166.1	Ca_kabuli_chr07	33382992	TT	GG	1940417762
SNP_P1_152036_33383240	NC_021166.1	Ca_kabuli_chr07	33383240	TT	CC	1940417763
SNP_P1_152038_33383751	NC_021166.1	Ca_kabuli_chr07	33383751	CC	AA	1940417764
SNP_P1_152039_33383812	NC_021166.1	Ca_kabuli_chr07	33383812	CC	TT	1940417765
SNP_P1_152041_33384140	NC_021166.1	Ca_kabuli_chr07	33384140	GG	AA	1940417766
SNP_P1_152042_33384157	NC_021166.1	Ca_kabuli_chr07	33384157	GG	TT	1940417767
SNP_P1_152043_33384229	NC_021166.1	Ca_kabuli_chr07	33384229	TT	CC	1940417768
SNP_P1_152044_33384231	NC_021166.1	Ca_kabuli_chr07	33384231	AA	GG	1940417769
SNP_P1_152045_33384302	NC_021166.1	Ca_kabuli_chr07	33384302	TT	GG	1940417770

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152047_33384321	NC_021166.1	Ca_kabuli_chr07	33384321	AA	GG	1940417773
SNP_P1_152048_33384349	NC_021166.1	Ca_kabuli_chr07	33384349	AA	GG	1940417774
SNP_P1_152050_33384545	NC_021166.1	Ca_kabuli_chr07	33384545	AA	CC	1940417775
SNP_P1_152052_33384852	NC_021166.1	Ca_kabuli_chr07	33384852	GG	AA	1940417776
SNP_P1_152053_33385210	NC_021166.1	Ca_kabuli_chr07	33385210	TT	GG	1940417777
SNP_P1_152054_33385285	NC_021166.1	Ca_kabuli_chr07	33385285	TT	CC	1940417778
SNP_P1_152055_33385452	NC_021166.1	Ca_kabuli_chr07	33385452	AA	GG	1940417779
SNP_P1_152056_33387103	NC_021166.1	Ca_kabuli_chr07	33387103	AA	CC	1940417780
SNP_P1_152057_33387168	NC_021166.1	Ca_kabuli_chr07	33387168	TT	CC	1940417781
SNP_P1_152058_33387406	NC_021166.1	Ca_kabuli_chr07	33387406	TT	CC	1940417782
SNP_P1_152059_33401809	NC_021166.1	Ca_kabuli_chr07	33401809	AA	GG	1940417783
SNP_P1_152060_33401811	NC_021166.1	Ca_kabuli_chr07	33401811	CC	TT	1940417784
SNP_P1_152061_33406015	NC_021166.1	Ca_kabuli_chr07	33406015	TT	GG	1940417785
SNP_P1_152062_33408743	NC_021166.1	Ca_kabuli_chr07	33408743	CC	TT	1940417786
SNP_P1_152064_33410214	NC_021166.1	Ca_kabuli_chr07	33410214	TT	GG	1940417787
SNP_P1_152065_33410220	NC_021166.1	Ca_kabuli_chr07	33410220	CC	TT	1940417788
SNP_P1_152066_33411056	NC_021166.1	Ca_kabuli_chr07	33411056	CC	GG	1940417789
SNP_P1_152067_33412772	NC_021166.1	Ca_kabuli_chr07	33412772	AA	TT	1940417790
SNP_P1_152068_33412811	NC_021166.1	Ca_kabuli_chr07	33412811	GG	AA	1940417791
SNP_P1_152071_33413632	NC_021166.1	Ca_kabuli_chr07	33413632	CC	TT	1940417792
SNP_P1_152073_33414074	NC_021166.1	Ca_kabuli_chr07	33414074	CC	AA	1940417793
SNP_P1_152074_33414101	NC_021166.1	Ca_kabuli_chr07	33414101	AA	GG	1940417794
SNP_P1_152075_33414129	NC_021166.1	Ca_kabuli_chr07	33414129	AA	GG	1940417795
SNP_P1_152076_33414673	NC_021166.1	Ca_kabuli_chr07	33414673	CC	GG	1940417796
SNP_P1_152077_33415783	NC_021166.1	Ca_kabuli_chr07	33415783	AA	GG	1940417797
SNP_P1_152078_33416195	NC_021166.1	Ca_kabuli_chr07	33416195	TT	CC	1940417798
SNP_P1_152080_33416916	NC_021166.1	Ca_kabuli_chr07	33416916	GG	CC	1940417799
SNP_P1_152081_33417260	NC_021166.1	Ca_kabuli_chr07	33417260	GG	AA	1940417800
SNP_P1_152082_33417342	NC_021166.1	Ca_kabuli_chr07	33417342	CC	GG	1940417801
SNP_P1_152083_33417626	NC_021166.1	Ca_kabuli_chr07	33417626	GG	AA	1940417802
SNP_P1_152084_33418018	NC_021166.1	Ca_kabuli_chr07	33418018	AA	GG	1940417803
SNP_P1_152085_33418040	NC_021166.1	Ca_kabuli_chr07	33418040	GG	AA	1940417804
SNP_P1_152086_33418082	NC_021166.1	Ca_kabuli_chr07	33418082	CC	AA	1940417805
SNP_P1_152087_33418145	NC_021166.1	Ca_kabuli_chr07	33418145	GG	AA	1940417806
SNP_P1_152088_33418396	NC_021166.1	Ca_kabuli_chr07	33418396	GG	CC	1940417807
SNP_P1_152089_33418552	NC_021166.1	Ca_kabuli_chr07	33418552	TT	CC	1940417808
SNP_P1_152090_33418615	NC_021166.1	Ca_kabuli_chr07	33418615	GG	AA	1940417809
SNP_P1_152091_33418652	NC_021166.1	Ca_kabuli_chr07	33418652	GG	TT	1940417810
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SNP_P1_152093_33419287	NC_021166.1	Ca_kabuli_chr07	33419287	GG	CC	1940417812
SNP_P1_152094_33419650	NC_021166.1	Ca_kabuli_chr07	33419650	AA	GG	1940417813

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152096_33419942	NC_021166.1	Ca_kabuli_chr07	33419942	TT	CC	1940417815
SNP_P1_152097_33419962	NC_021166.1	Ca_kabuli_chr07	33419962	CC	GG	1940417816
SNP_P1_152098_33420092	NC_021166.1	Ca_kabuli_chr07	33420092	TT	CC	1940417817
SNP_P1_152101_33421087	NC_021166.1	Ca_kabuli_chr07	33421087	GG	AA	1940417818
SNP_P1_152102_33421166	NC_021166.1	Ca_kabuli_chr07	33421166	CC	GG	1940417819
SNP_P1_152103_33421172	NC_021166.1	Ca_kabuli_chr07	33421172	AA	CC	1940417820
SNP_P1_152104_33421269	NC_021166.1	Ca_kabuli_chr07	33421269	TT	AA	1940417821
SNP_P1_152105_33421304	NC_021166.1	Ca_kabuli_chr07	33421304	TT	CC	1940417822
SNP_P1_152106_33421364	NC_021166.1	Ca_kabuli_chr07	33421364	AA	GG	1940417823
SNP_P1_152108_33422688	NC_021166.1	Ca_kabuli_chr07	33422688	TT	CC	1940417824
SNP_P1_152109_33422702	NC_021166.1	Ca_kabuli_chr07	33422702	AA	GG	1940417825
SNP_P1_152110_33422704	NC_021166.1	Ca_kabuli_chr07	33422704	TT	CC	1940417826
SNP_P1_152111_33422800	NC_021166.1	Ca_kabuli_chr07	33422800	AA	GG	1940417827
SNP_P1_152112_33422801	NC_021166.1	Ca_kabuli_chr07	33422801	TT	GG	1940417828
SNP_P1_152113_33422953	NC_021166.1	Ca_kabuli_chr07	33422953	GG	AA	1940417829
SNP_P1_152115_33428853	NC_021166.1	Ca_kabuli_chr07	33428853	GG	CC	1940417830
SNP_P1_152116_33428874	NC_021166.1	Ca_kabuli_chr07	33428874	GG	TT	1940417831
SNP_P1_152117_33428899	NC_021166.1	Ca_kabuli_chr07	33428899	GG	TT	1940417832
SNP_P1_152118_33430015	NC_021166.1	Ca_kabuli_chr07	33430015	TT	CC	1940417833
SNP_P1_152119_33430025	NC_021166.1	Ca_kabuli_chr07	33430025	AA	GG	1940417834
SNP_P1_152120_33442648	NC_021166.1	Ca_kabuli_chr07	33442648	CC	AA	1940417835
SNP_P1_152121_33442943	NC_021166.1	Ca_kabuli_chr07	33442943	GG	AA	1940417836
SNP_P1_152122_33443000	NC_021166.1	Ca_kabuli_chr07	33443000	CC	TT	1940417837
SNP_P1_152123_33443010	NC_021166.1	Ca_kabuli_chr07	33443010	CC	TT	1940417838
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SNP_P1_152126_33445625	NC_021166.1	Ca_kabuli_chr07	33445625	GG	TT	1940417840
SNP_P1_152127_33451297	NC_021166.1	Ca_kabuli_chr07	33451297	TT	CC	1940417841
SNP_P1_152128_33453110	NC_021166.1	Ca_kabuli_chr07	33453110	AA	GG	1940417842
SNP_P1_152129_33453128	NC_021166.1	Ca_kabuli_chr07	33453128	TT	AA	1940417843
SNP_P1_152130_33453871	NC_021166.1	Ca_kabuli_chr07	33453871	GG	AA	1940417844
SNP_P1_152131_33454394	NC_021166.1	Ca_kabuli_chr07	33454394	AA	TT	1940417845
SNP_P1_152132_33457172	NC_021166.1	Ca_kabuli_chr07	33457172	AA	GG	1940417846
SNP_P1_152133_33458527	NC_021166.1	Ca_kabuli_chr07	33458527	TT	CC	1940417847
SNP_P1_152134_33459158	NC_021166.1	Ca_kabuli_chr07	33459158	GG	AA	1940417848
SNP_P1_152135_33459992	NC_021166.1	Ca_kabuli_chr07	33459992	CC	GG	1940417849
SNP_P1_152136_33459993	NC_021166.1	Ca_kabuli_chr07	33459993	TT	CC	1940417850
SNP_P1_152137_33461427	NC_021166.1	Ca_kabuli_chr07	33461427	CC	AA	1940417851
SNP_P1_152138_33462536	NC_021166.1	Ca_kabuli_chr07	33462536	AA	GG	1940417852
SNP_P1_152139_33463705	NC_021166.1	Ca_kabuli_chr07	33463705	TT	CC	1940417853
SNP_P1_152140_33464805	NC_021166.1	Ca_kabuli_chr07	33464805	AA	GG	1940417854
SNP_P1_152141_33465177	NC_021166.1	Ca_kabuli_chr07	33465177	GG	CC	1940417855

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152144_33467926	NC_021166.1	Ca_kabuli_chr07	33467926	GG	TT	1940417857
SNP_P1_152145_33468732	NC_021166.1	Ca_kabuli_chr07	33468732	AA	GG	1940417858
SNP_P1_152146_33469548	NC_021166.1	Ca_kabuli_chr07	33469548	GG	AA	1940417859
SNP_P1_152147_33472258	NC_021166.1	Ca_kabuli_chr07	33472258	TT	CC	1940417860
SNP_P1_152148_33472260	NC_021166.1	Ca_kabuli_chr07	33472260	TT	CC	1940417861
SNP_P1_152149_33472305	NC_021166.1	Ca_kabuli_chr07	33472305	GG	AA	1940417862
SNP_P1_152150_33472506	NC_021166.1	Ca_kabuli_chr07	33472506	AA	GG	1940417863
SNP_P1_152151_33472525	NC_021166.1	Ca_kabuli_chr07	33472525	TT	CC	1940417864
SNP_P1_152153_33472626	NC_021166.1	Ca_kabuli_chr07	33472626	AA	GG	1940417865
SNP_P1_152154_33472630	NC_021166.1	Ca_kabuli_chr07	33472630	CC	TT	1940417866
SNP_P1_152155_33473005	NC_021166.1	Ca_kabuli_chr07	33473005	AA	GG	1940417867
SNP_P1_152156_33473016	NC_021166.1	Ca_kabuli_chr07	33473016	GG	TT	1940417868
SNP_P1_152157_33473266	NC_021166.1	Ca_kabuli_chr07	33473266	CC	GG	1940417869
SNP_P1_152158_33473291	NC_021166.1	Ca_kabuli_chr07	33473291	AA	TT	1940417870
SNP_P1_152161_33473734	NC_021166.1	Ca_kabuli_chr07	33473734	GG	AA	1940417871
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SNP_P1_152163_33474104	NC_021166.1	Ca_kabuli_chr07	33474104	GG	AA	1940417873
SNP_P1_152164_33474105	NC_021166.1	Ca_kabuli_chr07	33474105	CC	TT	1940417874
SNP_P1_152166_33474923	NC_021166.1	Ca_kabuli_chr07	33474923	TT	AA	1940417875
SNP_P1_152167_33474930	NC_021166.1	Ca_kabuli_chr07	33474930	TT	CC	1940417876
SNP_P1_152168_33474933	NC_021166.1	Ca_kabuli_chr07	33474933	GG	CC	1940417877
SNP_P1_152169_33475001	NC_021166.1	Ca_kabuli_chr07	33475001	CC	TT	1940417878
SNP_P1_152170_33475085	NC_021166.1	Ca_kabuli_chr07	33475085	CC	TT	1940417879
SNP_P1_152171_33475097	NC_021166.1	Ca_kabuli_chr07	33475097	CC	TT	1940417880
SNP_P1_152172_33475756	NC_021166.1	Ca_kabuli_chr07	33475756	GG	TT	1940417881
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SNP_P1_152175_33476614	NC_021166.1	Ca_kabuli_chr07	33476614	GG	TT	1940417883
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SNP_P1_152178_33477513	NC_021166.1	Ca_kabuli_chr07	33477513	TT	AA	1940417886
SNP_P1_152179_33477556	NC_021166.1	Ca_kabuli_chr07	33477556	CC	TT	1940417887
SNP_P1_152180_33477590	NC_021166.1	Ca_kabuli_chr07	33477590	GG	AA	1940417888
SNP_P1_152181_33477599	NC_021166.1	Ca_kabuli_chr07	33477599	TT	CC	1940417889
SNP_P1_152182_33477852	NC_021166.1	Ca_kabuli_chr07	33477852	CC	TT	1940417890
SNP_P1_152183_33477863	NC_021166.1	Ca_kabuli_chr07	33477863	GG	AA	1940417891
SNP_P1_152184_33477878	NC_021166.1	Ca_kabuli_chr07	33477878	AA	GG	1940417892
SNP_P1_152185_33477900	NC_021166.1	Ca_kabuli_chr07	33477900	AA	GG	1940417893
SNP_P1_152186_33477906	NC_021166.1	Ca_kabuli_chr07	33477906	AA	CC	1940417894
SNP_P1_152187_33477941	NC_021166.1	Ca_kabuli_chr07	33477941	AA	TT	1940417895
SNP_P1_152188_33477958	NC_021166.1	Ca_kabuli_chr07	33477958	AA	GG	1940417896
SNP_P1_152189_33477969	NC_021166.1	Ca_kabuli_chr07	33477969	CC	TT	1940417897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152192_33478014	NC_021166.1	Ca_kabuli_chr07	33478014	AA	GG	1940417900
SNP_P1_152193_33478020	NC_021166.1	Ca_kabuli_chr07	33478020	GG	AA	1940417901
SNP_P1_152194_33478027	NC_021166.1	Ca_kabuli_chr07	33478027	TT	AA	1940417902
SNP_P1_152195_33478257	NC_021166.1	Ca_kabuli_chr07	33478257	GG	AA	1940417903
SNP_P1_152196_33478259	NC_021166.1	Ca_kabuli_chr07	33478259	AA	GG	1940417904
SNP_P1_152197_33478297	NC_021166.1	Ca_kabuli_chr07	33478297	GG	AA	1940417905
SNP_P1_152198_33478357	NC_021166.1	Ca_kabuli_chr07	33478357	AA	GG	1940417906
SNP_P1_152199_33478427	NC_021166.1	Ca_kabuli_chr07	33478427	TT	CC	1940417907
SNP_P1_152201_33479893	NC_021166.1	Ca_kabuli_chr07	33479893	AA	GG	1940417908
SNP_P1_152202_33482321	NC_021166.1	Ca_kabuli_chr07	33482321	AA	TT	1940417909
SNP_P1_152203_33482383	NC_021166.1	Ca_kabuli_chr07	33482383	AA	CC	1940417910
SNP_P1_152204_33483687	NC_021166.1	Ca_kabuli_chr07	33483687	GG	TT	1940417911
SNP_P1_152205_33483718	NC_021166.1	Ca_kabuli_chr07	33483718	GG	AA	1940417912
SNP_P1_152206_33484008	NC_021166.1	Ca_kabuli_chr07	33484008	CC	TT	1940417913
SNP_P1_152207_33484338	NC_021166.1	Ca_kabuli_chr07	33484338	TT	CC	1940417914
SNP_P1_152209_33486489	NC_021166.1	Ca_kabuli_chr07	33486489	TT	CC	1940417915
SNP_P1_152210_33486527	NC_021166.1	Ca_kabuli_chr07	33486527	GG	AA	1940417916
SNP_P1_152211_33489357	NC_021166.1	Ca_kabuli_chr07	33489357	AA	GG	1940417917
SNP_P1_152212_33490591	NC_021166.1	Ca_kabuli_chr07	33490591	GG	AA	1940417918
SNP_P1_152213_33490625	NC_021166.1	Ca_kabuli_chr07	33490625	AA	CC	1940417919
SNP_P1_152214_33490724	NC_021166.1	Ca_kabuli_chr07	33490724	CC	TT	1940417920
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SNP_P1_152217_33491015	NC_021166.1	Ca_kabuli_chr07	33491015	CC	TT	1940417924
SNP_P1_152218_33518078	NC_021166.1	Ca_kabuli_chr07	33518078	AA	GG	1940417925
SNP_P1_152219_33518311	NC_021166.1	Ca_kabuli_chr07	33518311	AA	GG	1940417926
SNP_P1_152220_33518325	NC_021166.1	Ca_kabuli_chr07	33518325	AA	GG	1940417927
SNP_P1_152221_33518370	NC_021166.1	Ca_kabuli_chr07	33518370	CC	TT	1940417928
SNP_P1_152222_33518564	NC_021166.1	Ca_kabuli_chr07	33518564	AA	GG	1940417929
SNP_P1_152223_33518811	NC_021166.1	Ca_kabuli_chr07	33518811	CC	TT	1940417930
SNP_P1_152224_33519180	NC_021166.1	Ca_kabuli_chr07	33519180	AA	GG	1940417931
SNP_P1_152225_33519189	NC_021166.1	Ca_kabuli_chr07	33519189	AA	CC	1940417932
SNP_P1_152226_33519206	NC_021166.1	Ca_kabuli_chr07	33519206	CC	TT	1940417933
SNP_P1_152227_33519380	NC_021166.1	Ca_kabuli_chr07	33519380	AA	TT	1940417934
SNP_P1_152229_33520488	NC_021166.1	Ca_kabuli_chr07	33520488	AA	GG	1940417935
SNP_P1_152230_33520507	NC_021166.1	Ca_kabuli_chr07	33520507	GG	AA	1940417936
SNP_P1_152231_33520522	NC_021166.1	Ca_kabuli_chr07	33520522	CC	GG	1940417937
SNP_P1_152232_33520540	NC_021166.1	Ca_kabuli_chr07	33520540	AA	CC	1940417938
SNP_P1_152233_33520541	NC_021166.1	Ca_kabuli_chr07	33520541	CC	TT	1940417939
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152237_33520819	NC_021166.1	Ca_kabuli_chr07	33520819	CC	TT	1940417942
SNP_P1_152239_33521607	NC_021166.1	Ca_kabuli_chr07	33521607	TT	CC	1940417943
SNP_P1_152240_33521669	NC_021166.1	Ca_kabuli_chr07	33521669	TT	CC	1940417944
SNP_P1_152241_33521855	NC_021166.1	Ca_kabuli_chr07	33521855	TT	CC	1940417945
SNP_P1_152242_33521951	NC_021166.1	Ca_kabuli_chr07	33521951	AA	GG	1940417946
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SNP_P1_152244_33522354	NC_021166.1	Ca_kabuli_chr07	33522354	AA	GG	1940417948
SNP_P1_152245_33522583	NC_021166.1	Ca_kabuli_chr07	33522583	GG	AA	1940417949
SNP_P1_152246_33522587	NC_021166.1	Ca_kabuli_chr07	33522587	CC	TT	1940417950
SNP_P1_152247_33522600	NC_021166.1	Ca_kabuli_chr07	33522600	CC	TT	1940417951
SNP_P1_152248_33522636	NC_021166.1	Ca_kabuli_chr07	33522636	CC	TT	1940417952
SNP_P1_152249_33523155	NC_021166.1	Ca_kabuli_chr07	33523155	AA	CC	1940417953
SNP_P1_152251_33523353	NC_021166.1	Ca_kabuli_chr07	33523353	TT	CC	1940417954
SNP_P1_152252_33523404	NC_021166.1	Ca_kabuli_chr07	33523404	AA	TT	1940417955
SNP_P1_152253_33523570	NC_021166.1	Ca_kabuli_chr07	33523570	GG	AA	1940417956
SNP_P1_152254_33523878	NC_021166.1	Ca_kabuli_chr07	33523878	TT	AA	1940417957
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SNP_P1_152256_33524820	NC_021166.1	Ca_kabuli_chr07	33524820	AA	TT	1940417959
SNP_P1_152259_33526462	NC_021166.1	Ca_kabuli_chr07	33526462	CC	TT	1940417960
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SNP_P1_152262_33527543	NC_021166.1	Ca_kabuli_chr07	33527543	AA	GG	1940417962
SNP_P1_152265_33527848	NC_021166.1	Ca_kabuli_chr07	33527848	AA	GG	1940417963
SNP_P1_152266_33528022	NC_021166.1	Ca_kabuli_chr07	33528022	GG	CC	1940417964
SNP_P1_152267_33528024	NC_021166.1	Ca_kabuli_chr07	33528024	TT	AA	1940417965
SNP_P1_152268_33528034	NC_021166.1	Ca_kabuli_chr07	33528034	CC	TT	1940417966
SNP_P1_152269_33528064	NC_021166.1	Ca_kabuli_chr07	33528064	TT	CC	1940417967
SNP_P1_152270_33528070	NC_021166.1	Ca_kabuli_chr07	33528070	AA	GG	1940417968
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SNP_P1_152272_33528094	NC_021166.1	Ca_kabuli_chr07	33528094	TT	CC	1940417970
SNP_P1_152273_33528101	NC_021166.1	Ca_kabuli_chr07	33528101	CC	TT	1940417971
SNP_P1_152274_33528109	NC_021166.1	Ca_kabuli_chr07	33528109	GG	AA	1940417972
SNP_P1_152275_33528115	NC_021166.1	Ca_kabuli_chr07	33528115	TT	CC	1940417973
SNP_P1_152276_33528145	NC_021166.1	Ca_kabuli_chr07	33528145	AA	GG	1940417974
SNP_P1_152277_33528172	NC_021166.1	Ca_kabuli_chr07	33528172	AA	GG	1940417975
SNP_P1_152278_33528173	NC_021166.1	Ca_kabuli_chr07	33528173	AA	GG	1940417976
SNP_P1_152279_33528228	NC_021166.1	Ca_kabuli_chr07	33528228	AA	TT	1940417977
SNP_P1_152280_33528359	NC_021166.1	Ca_kabuli_chr07	33528359	GG	TT	1940417978
SNP_P1_152282_33528406	NC_021166.1	Ca_kabuli_chr07	33528406	AA	GG	1940417979
SNP_P1_152283_33528566	NC_021166.1	Ca_kabuli_chr07	33528566	AA	CC	1940417980
SNP_P1_152284_33528684	NC_021166.1	Ca_kabuli_chr07	33528684	CC	AA	1940417981
SNP_P1_152285_33529236	NC_021166.1	Ca_kabuli_chr07	33529236	TT	CC	1940417982

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152288_33531093	NC_021166.1	Ca_kabuli_chr07	33531093	AA	TT	1940417985
SNP_P1_152289_33531689	NC_021166.1	Ca_kabuli_chr07	33531689	AA	GG	1940417986
SNP_P1_152290_33531911	NC_021166.1	Ca_kabuli_chr07	33531911	AA	TT	1940417987
SNP_P1_152291_33531919	NC_021166.1	Ca_kabuli_chr07	33531919	GG	CC	1940417988
SNP_P1_152292_33532013	NC_021166.1	Ca_kabuli_chr07	33532013	TT	AA	1940417989
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SNP_P1_152294_33532156	NC_021166.1	Ca_kabuli_chr07	33532156	TT	AA	1940417991
SNP_P1_152295_33532168	NC_021166.1	Ca_kabuli_chr07	33532168	CC	AA	1940417992
SNP_P1_152297_33532644	NC_021166.1	Ca_kabuli_chr07	33532644	GG	AA	1940417993
SNP_P1_152298_33532766	NC_021166.1	Ca_kabuli_chr07	33532766	GG	CC	1940417994
SNP_P1_152299_33532768	NC_021166.1	Ca_kabuli_chr07	33532768	GG	AA	1940417995
SNP_P1_152301_33532795	NC_021166.1	Ca_kabuli_chr07	33532795	TT	CC	1940417996
SNP_P1_152302_33532797	NC_021166.1	Ca_kabuli_chr07	33532797	TT	CC	1940417997
SNP_P1_152304_33532988	NC_021166.1	Ca_kabuli_chr07	33532988	GG	AA	1940417998
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SNP_P1_152306_33533018	NC_021166.1	Ca_kabuli_chr07	33533018	TT	CC	1940418000
SNP_P1_152307_33533023	NC_021166.1	Ca_kabuli_chr07	33533023	CC	GG	1940418001
SNP_P1_152308_33533062	NC_021166.1	Ca_kabuli_chr07	33533062	GG	AA	1940418002
SNP_P1_152309_33533088	NC_021166.1	Ca_kabuli_chr07	33533088	AA	CC	1940418003
SNP_P1_152310_33533092	NC_021166.1	Ca_kabuli_chr07	33533092	CC	TT	1940418004
SNP_P1_152311_33533108	NC_021166.1	Ca_kabuli_chr07	33533108	AA	TT	1940418005
SNP_P1_152312_33533310	NC_021166.1	Ca_kabuli_chr07	33533310	AA	CC	1940418006
SNP_P1_152313_33534327	NC_021166.1	Ca_kabuli_chr07	33534327	AA	GG	1940418007
SNP_P1_152315_33534400	NC_021166.1	Ca_kabuli_chr07	33534400	TT	AA	1940418008
SNP_P1_152316_33534402	NC_021166.1	Ca_kabuli_chr07	33534402	TT	CC	1940418009
SNP_P1_152318_33534661	NC_021166.1	Ca_kabuli_chr07	33534661	CC	TT	1940418010
SNP_P1_152319_33534713	NC_021166.1	Ca_kabuli_chr07	33534713	AA	GG	1940418011
SNP_P1_152320_33534723	NC_021166.1	Ca_kabuli_chr07	33534723	AA	TT	1940418012
SNP_P1_152321_33534729	NC_021166.1	Ca_kabuli_chr07	33534729	GG	AA	1940418013
SNP_P1_152322_33534734	NC_021166.1	Ca_kabuli_chr07	33534734	AA	GG	1940418014
SNP_P1_152323_33534760	NC_021166.1	Ca_kabuli_chr07	33534760	AA	GG	1940418015
SNP_P1_152324_33534785	NC_021166.1	Ca_kabuli_chr07	33534785	TT	CC	1940418016
SNP_P1_152325_33534795	NC_021166.1	Ca_kabuli_chr07	33534795	CC	TT	1940418017
SNP_P1_152326_33534802	NC_021166.1	Ca_kabuli_chr07	33534802	CC	TT	1940418018
SNP_P1_152327_33535127	NC_021166.1	Ca_kabuli_chr07	33535127	GG	CC	1940418019
SNP_P1_152328_33535550	NC_021166.1	Ca_kabuli_chr07	33535550	CC	TT	1940418020
SNP_P1_152329_33535923	NC_021166.1	Ca_kabuli_chr07	33535923	AA	TT	1940418021
SNP_P1_152330_33536047	NC_021166.1	Ca_kabuli_chr07	33536047	TT	CC	1940418022
SNP_P1_152331_33536192	NC_021166.1	Ca_kabuli_chr07	33536192	TT	CC	1940418023
SNP_P1_152332_33536243	NC_021166.1	Ca_kabuli_chr07	33536243	GG	AA	1940418024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152334_33537337	NC_021166.1	Ca_kabuli_chr07	33537337	AA	TT	1940418026
SNP_P1_152335_33537414	NC_021166.1	Ca_kabuli_chr07	33537414	AA	GG	1940418027
SNP_P1_152336_33537633	NC_021166.1	Ca_kabuli_chr07	33537633	CC	TT	1940418028
SNP_P1_152337_33537698	NC_021166.1	Ca_kabuli_chr07	33537698	GG	AA	1940418029
SNP_P1_152338_33538447	NC_021166.1	Ca_kabuli_chr07	33538447	TT	CC	1940418030
SNP_P1_152340_33538991	NC_021166.1	Ca_kabuli_chr07	33538991	TT	AA	1940418031
SNP_P1_152341_33539142	NC_021166.1	Ca_kabuli_chr07	33539142	AA	CC	1940418032
SNP_P1_152342_33539146	NC_021166.1	Ca_kabuli_chr07	33539146	GG	AA	1940418033
SNP_P1_152343_33539158	NC_021166.1	Ca_kabuli_chr07	33539158	AA	GG	1940418034
SNP_P1_152344_33539164	NC_021166.1	Ca_kabuli_chr07	33539164	AA	CC	1940418035
SNP_P1_152345_33539167	NC_021166.1	Ca_kabuli_chr07	33539167	AA	CC	1940418036
SNP_P1_152346_33539202	NC_021166.1	Ca_kabuli_chr07	33539202	TT	CC	1940418037
SNP_P1_152347_33539234	NC_021166.1	Ca_kabuli_chr07	33539234	TT	AA	1940418038
SNP_P1_152349_33539804	NC_021166.1	Ca_kabuli_chr07	33539804	GG	CC	1940418039
SNP_P1_152350_33541005	NC_021166.1	Ca_kabuli_chr07	33541005	AA	GG	1940418040
SNP_P1_152351_33541241	NC_021166.1	Ca_kabuli_chr07	33541241	AA	TT	1940418041
SNP_P1_152352_33542086	NC_021166.1	Ca_kabuli_chr07	33542086	CC	TT	1940418042
SNP_P1_152353_33543128	NC_021166.1	Ca_kabuli_chr07	33543128	GG	AA	1940418043
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SNP_P1_152356_33545414	NC_021166.1	Ca_kabuli_chr07	33545414	AA	GG	1940418046
SNP_P1_152357_33545436	NC_021166.1	Ca_kabuli_chr07	33545436	AA	TT	1940418047
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SNP_P1_152359_33545686	NC_021166.1	Ca_kabuli_chr07	33545686	CC	AA	1940418049
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SNP_P1_152361_33548240	NC_021166.1	Ca_kabuli_chr07	33548240	AA	GG	1940418051
SNP_P1_152362_33553440	NC_021166.1	Ca_kabuli_chr07	33553440	TT	CC	1940418052
SNP_P1_152365_33556673	NC_021166.1	Ca_kabuli_chr07	33556673	TT	GG	1940418053
SNP_P1_152366_33556674	NC_021166.1	Ca_kabuli_chr07	33556674	CC	AA	1940418054
SNP_P1_152367_33556688	NC_021166.1	Ca_kabuli_chr07	33556688	GG	AA	1940418055
SNP_P1_152369_33556802	NC_021166.1	Ca_kabuli_chr07	33556802	AA	TT	1940418056
SNP_P1_152371_33556904	NC_021166.1	Ca_kabuli_chr07	33556904	AA	GG	1940418057
SNP_P1_152372_33556927	NC_021166.1	Ca_kabuli_chr07	33556927	TT	CC	1940418058
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SNP_P1_152375_33557070	NC_021166.1	Ca_kabuli_chr07	33557070	TT	AA	1940418061
SNP_P1_152376_33557073	NC_021166.1	Ca_kabuli_chr07	33557073	GG	TT	1940418062
SNP_P1_152377_33557150	NC_021166.1	Ca_kabuli_chr07	33557150	CC	AA	1940418063
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SNP_P1_152380_33557180	NC_021166.1	Ca_kabuli_chr07	33557180	CC	TT	1940418066
SNP_P1_152381_33557197	NC_021166.1	Ca_kabuli_chr07	33557197	GG	AA	1940418067

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152384_33557273	NC_021166.1	Ca_kabuli_chr07	33557273	GG	AA	1940418070
SNP_P1_152385_33557326	NC_021166.1	Ca_kabuli_chr07	33557326	TT	AA	1940418071
SNP_P1_152386_33557896	NC_021166.1	Ca_kabuli_chr07	33557896	AA	GG	1940418072
SNP_P1_152389_33559703	NC_021166.1	Ca_kabuli_chr07	33559703	TT	GG	1940418073
SNP_P1_152390_33559717	NC_021166.1	Ca_kabuli_chr07	33559717	TT	CC	1940418074
SNP_P1_152391_33559729	NC_021166.1	Ca_kabuli_chr07	33559729	CC	TT	1940418075
SNP_P1_152394_33560697	NC_021166.1	Ca_kabuli_chr07	33560697	TT	CC	1940418076
SNP_P1_152395_33560734	NC_021166.1	Ca_kabuli_chr07	33560734	GG	AA	1940418077
SNP_P1_152396_33560736	NC_021166.1	Ca_kabuli_chr07	33560736	TT	CC	1940418078
SNP_P1_152397_33560745	NC_021166.1	Ca_kabuli_chr07	33560745	GG	CC	1940418079
SNP_P1_152398_33560832	NC_021166.1	Ca_kabuli_chr07	33560832	TT	CC	1940418080
SNP_P1_152399_33560833	NC_021166.1	Ca_kabuli_chr07	33560833	CC	TT	1940418081
SNP_P1_152400_33560849	NC_021166.1	Ca_kabuli_chr07	33560849	CC	TT	1940418082
SNP_P1_152401_33560902	NC_021166.1	Ca_kabuli_chr07	33560902	TT	CC	1940418083
SNP_P1_152402_33561057	NC_021166.1	Ca_kabuli_chr07	33561057	TT	CC	1940418084
SNP_P1_152405_33561402	NC_021166.1	Ca_kabuli_chr07	33561402	CC	TT	1940418085
SNP_P1_152406_33561496	NC_021166.1	Ca_kabuli_chr07	33561496	AA	TT	1940418086
SNP_P1_152408_33562061	NC_021166.1	Ca_kabuli_chr07	33562061	GG	AA	1940418087
SNP_P1_152409_33562079	NC_021166.1	Ca_kabuli_chr07	33562079	TT	CC	1940418088
SNP_P1_152410_33562106	NC_021166.1	Ca_kabuli_chr07	33562106	AA	GG	1940418089
SNP_P1_152411_33562113	NC_021166.1	Ca_kabuli_chr07	33562113	TT	CC	1940418090
SNP_P1_152412_33562123	NC_021166.1	Ca_kabuli_chr07	33562123	TT	CC	1940418091
SNP_P1_152413_33562388	NC_021166.1	Ca_kabuli_chr07	33562388	CC	TT	1940418092
SNP_P1_152414_33562451	NC_021166.1	Ca_kabuli_chr07	33562451	TT	AA	1940418093
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SNP_P1_152416_33562904	NC_021166.1	Ca_kabuli_chr07	33562904	AA	CC	1940418095
SNP_P1_152417_33563963	NC_021166.1	Ca_kabuli_chr07	33563963	TT	CC	1940418096
SNP_P1_152418_33564034	NC_021166.1	Ca_kabuli_chr07	33564034	AA	GG	1940418097
SNP_P1_152419_33564852	NC_021166.1	Ca_kabuli_chr07	33564852	GG	AA	1940418098
SNP_P1_152420_33564952	NC_021166.1	Ca_kabuli_chr07	33564952	GG	AA	1940418099
SNP_P1_152422_33565013	NC_021166.1	Ca_kabuli_chr07	33565013	AA	TT	1940418100
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SNP_P1_152425_33565687	NC_021166.1	Ca_kabuli_chr07	33565687	TT	AA	1940418103
SNP_P1_152426_33566348	NC_021166.1	Ca_kabuli_chr07	33566348	CC	TT	1940418104
SNP_P1_152427_33566700	NC_021166.1	Ca_kabuli_chr07	33566700	CC	AA	1940418105
SNP_P1_152428_33566719	NC_021166.1	Ca_kabuli_chr07	33566719	GG	TT	1940418106
SNP_P1_152431_33567937	NC_021166.1	Ca_kabuli_chr07	33567937	CC	TT	1940418107
SNP_P1_152432_33567965	NC_021166.1	Ca_kabuli_chr07	33567965	GG	AA	1940418108
SNP_P1_152434_33568869	NC_021166.1	Ca_kabuli_chr07	33568869	TT	AA	1940418109

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152438_33573220	NC_021166.1	Ca_kabuli_chr07	33573220	GG	TT	1940418112
SNP_P1_152439_33574530	NC_021166.1	Ca_kabuli_chr07	33574530	TT	AA	1940418113
SNP_P1_152441_33575054	NC_021166.1	Ca_kabuli_chr07	33575054	AA	GG	1940418114
SNP_P1_152442_33575858	NC_021166.1	Ca_kabuli_chr07	33575858	GG	AA	1940418115
SNP_P1_152443_33575862	NC_021166.1	Ca_kabuli_chr07	33575862	GG	AA	1940418116
SNP_P1_152444_33575875	NC_021166.1	Ca_kabuli_chr07	33575875	CC	TT	1940418117
SNP_P1_152446_33577532	NC_021166.1	Ca_kabuli_chr07	33577532	TT	CC	1940418118
SNP_P1_152448_33577749	NC_021166.1	Ca_kabuli_chr07	33577749	AA	GG	1940418119
SNP_P1_152449_33577782	NC_021166.1	Ca_kabuli_chr07	33577782	CC	TT	1940418120
SNP_P1_152450_33577790	NC_021166.1	Ca_kabuli_chr07	33577790	TT	CC	1940418121
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SNP_P1_152452_33578524	NC_021166.1	Ca_kabuli_chr07	33578524	AA	GG	1940418123
SNP_P1_152453_33579255	NC_021166.1	Ca_kabuli_chr07	33579255	CC	TT	1940418124
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SNP_P1_152459_33582804	NC_021166.1	Ca_kabuli_chr07	33582804	TT	GG	1940418130
SNP_P1_152460_33583682	NC_021166.1	Ca_kabuli_chr07	33583682	TT	CC	1940418131
SNP_P1_152461_33585101	NC_021166.1	Ca_kabuli_chr07	33585101	AA	TT	1940418132
SNP_P1_152462_33585439	NC_021166.1	Ca_kabuli_chr07	33585439	GG	AA	1940418133
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SNP_P1_152467_33588808	NC_021166.1	Ca_kabuli_chr07	33588808	GG	AA	1940418136
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SNP_P1_152469_33589056	NC_021166.1	Ca_kabuli_chr07	33589056	AA	CC	1940418138
SNP_P1_152471_33591711	NC_021166.1	Ca_kabuli_chr07	33591711	TT	CC	1940418139
SNP_P1_152472_33591726	NC_021166.1	Ca_kabuli_chr07	33591726	CC	TT	1940418140
SNP_P1_152473_33592076	NC_021166.1	Ca_kabuli_chr07	33592076	AA	CC	1940418141
SNP_P1_152474_33592497	NC_021166.1	Ca_kabuli_chr07	33592497	AA	GG	1940418142
SNP_P1_152475_33593083	NC_021166.1	Ca_kabuli_chr07	33593083	CC	AA	1940418143
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SNP_P1_152477_33594095	NC_021166.1	Ca_kabuli_chr07	33594095	TT	AA	1940418145
SNP_P1_152478_33594100	NC_021166.1	Ca_kabuli_chr07	33594100	TT	CC	1940418146
SNP_P1_152479_33594231	NC_021166.1	Ca_kabuli_chr07	33594231	GG	AA	1940418147
SNP_P1_152480_33594368	NC_021166.1	Ca_kabuli_chr07	33594368	CC	TT	1940418148
SNP_P1_152481_33594381	NC_021166.1	Ca_kabuli_chr07	33594381	AA	GG	1940418149
SNP_P1_152482_33594578	NC_021166.1	Ca_kabuli_chr07	33594578	TT	GG	1940418150
SNP_P1_152483_33596731	NC_021166.1	Ca_kabuli_chr07	33596731	AA	TT	1940418151

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152485_33596792	NC_021166.1	Ca_kabuli_chr07	33596792	CC	AA	1940418153
SNP_P1_152486_33597097	NC_021166.1	Ca_kabuli_chr07	33597097	AA	GG	1940418154
SNP_P1_152487_33597102	NC_021166.1	Ca_kabuli_chr07	33597102	AA	CC	1940418155
SNP_P1_152491_33597778	NC_021166.1	Ca_kabuli_chr07	33597778	AA	TT	1940418156
SNP_P1_152492_33597833	NC_021166.1	Ca_kabuli_chr07	33597833	CC	TT	1940418157
SNP_P1_152493_33604100	NC_021166.1	Ca_kabuli_chr07	33604100	TT	GG	1940418158
SNP_P1_152495_33604129	NC_021166.1	Ca_kabuli_chr07	33604129	CC	TT	1940418159
SNP_P1_152496_33604297	NC_021166.1	Ca_kabuli_chr07	33604297	AA	TT	1940418160
SNP_P1_152497_33604316	NC_021166.1	Ca_kabuli_chr07	33604316	GG	AA	1940418161
SNP_P1_152498_33604619	NC_021166.1	Ca_kabuli_chr07	33604619	TT	GG	1940418162
SNP_P1_152499_33604669	NC_021166.1	Ca_kabuli_chr07	33604669	AA	GG	1940418163
SNP_P1_152500_33604692	NC_021166.1	Ca_kabuli_chr07	33604692	TT	AA	1940418165
SNP_P1_152501_33605611	NC_021166.1	Ca_kabuli_chr07	33605611	AA	CC	1940418166
SNP_P1_152502_33605646	NC_021166.1	Ca_kabuli_chr07	33605646	AA	TT	1940418167
SNP_P1_152503_33605789	NC_021166.1	Ca_kabuli_chr07	33605789	CC	TT	1940418168
SNP_P1_152505_33605878	NC_021166.1	Ca_kabuli_chr07	33605878	TT	CC	1940418169
SNP_P1_152506_33605881	NC_021166.1	Ca_kabuli_chr07	33605881	TT	GG	1940418170
SNP_P1_152507_33605901	NC_021166.1	Ca_kabuli_chr07	33605901	TT	AA	1940418171
SNP_P1_152508_33605981	NC_021166.1	Ca_kabuli_chr07	33605981	AA	CC	1940418172
SNP_P1_152509_33606107	NC_021166.1	Ca_kabuli_chr07	33606107	GG	AA	1940418173
SNP_P1_152510_33606247	NC_021166.1	Ca_kabuli_chr07	33606247	TT	AA	1940418174
SNP_P1_152512_33607268	NC_021166.1	Ca_kabuli_chr07	33607268	CC	AA	1940418175
SNP_P1_152514_33611833	NC_021166.1	Ca_kabuli_chr07	33611833	CC	AA	1940418176
SNP_P1_152515_33611912	NC_021166.1	Ca_kabuli_chr07	33611912	GG	AA	1940418177
SNP_P1_152516_33612124	NC_021166.1	Ca_kabuli_chr07	33612124	GG	AA	1940418178
SNP_P1_152517_33612616	NC_021166.1	Ca_kabuli_chr07	33612616	AA	GG	1940418179
SNP_P1_152518_33613401	NC_021166.1	Ca_kabuli_chr07	33613401	CC	TT	1940418180
SNP_P1_152519_33613404	NC_021166.1	Ca_kabuli_chr07	33613404	GG	CC	1940418181
SNP_P1_152520_33613405	NC_021166.1	Ca_kabuli_chr07	33613405	CC	GG	1940418182
SNP_P1_152521_33613601	NC_021166.1	Ca_kabuli_chr07	33613601	TT	CC	1940418183
SNP_P1_152522_33613608	NC_021166.1	Ca_kabuli_chr07	33613608	AA	GG	1940418184
SNP_P1_152523_33613630	NC_021166.1	Ca_kabuli_chr07	33613630	CC	TT	1940418185
SNP_P1_152524_33614394	NC_021166.1	Ca_kabuli_chr07	33614394	CC	TT	1940418186
SNP_P1_152525_33614410	NC_021166.1	Ca_kabuli_chr07	33614410	AA	GG	1940418187
SNP_P1_152527_33620424	NC_021166.1	Ca_kabuli_chr07	33620424	TT	AA	1940418188
SNP_P1_152528_33621120	NC_021166.1	Ca_kabuli_chr07	33621120	AA	GG	1940418189
SNP_P1_152529_33621291	NC_021166.1	Ca_kabuli_chr07	33621291	TT	CC	1940418190
SNP_P1_152530_33621612	NC_021166.1	Ca_kabuli_chr07	33621612	CC	TT	1940418191
SNP_P1_152532_33622046	NC_021166.1	Ca_kabuli_chr07	33622046	AA	GG	1940418192
SNP_P1_152533_33622081	NC_021166.1	Ca_kabuli_chr07	33622081	TT	CC	1940418193
SNP_P1_152534_33622086	NC_021166.1	Ca_kabuli_chr07	33622086	CC	TT	1940418194

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152536_33622280	NC_021166.1	Ca_kabuli_chr07	33622280	CC	TT	1940418196
SNP_P1_152537_33622412	NC_021166.1	Ca_kabuli_chr07	33622412	TT	GG	1940418197
SNP_P1_152538_33622476	NC_021166.1	Ca_kabuli_chr07	33622476	GG	AA	1940418198
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SNP_P1_152541_33622855	NC_021166.1	Ca_kabuli_chr07	33622855	TT	GG	1940418200
SNP_P1_152542_33624056	NC_021166.1	Ca_kabuli_chr07	33624056	AA	GG	1940418201
SNP_P1_152543_33624065	NC_021166.1	Ca_kabuli_chr07	33624065	AA	GG	1940418202
SNP_P1_152544_33624092	NC_021166.1	Ca_kabuli_chr07	33624092	AA	CC	1940418203
SNP_P1_152545_33624207	NC_021166.1	Ca_kabuli_chr07	33624207	TT	GG	1940418204
SNP_P1_152546_33625328	NC_021166.1	Ca_kabuli_chr07	33625328	TT	CC	1940418205
SNP_P1_152547_33625348	NC_021166.1	Ca_kabuli_chr07	33625348	CC	GG	1940418206
SNP_P1_152548_33625493	NC_021166.1	Ca_kabuli_chr07	33625493	TT	CC	1940418207
SNP_P1_152549_33625499	NC_021166.1	Ca_kabuli_chr07	33625499	TT	CC	1940418208
SNP_P1_152551_33625583	NC_021166.1	Ca_kabuli_chr07	33625583	AA	CC	1940418209
SNP_P1_152552_33625655	NC_021166.1	Ca_kabuli_chr07	33625655	GG	AA	1940418210
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SNP_P1_152557_33625727	NC_021166.1	Ca_kabuli_chr07	33625727	GG	AA	1940418215
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SNP_P1_152561_33626219	NC_021166.1	Ca_kabuli_chr07	33626219	AA	GG	1940418219
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SNP_P1_152565_33626921	NC_021166.1	Ca_kabuli_chr07	33626921	CC	AA	1940418223
SNP_P1_152566_33626923	NC_021166.1	Ca_kabuli_chr07	33626923	CC	TT	1940418224
SNP_P1_152567_33626945	NC_021166.1	Ca_kabuli_chr07	33626945	CC	GG	1940418225
SNP_P1_152568_33626958	NC_021166.1	Ca_kabuli_chr07	33626958	GG	AA	1940418226
SNP_P1_152569_33627156	NC_021166.1	Ca_kabuli_chr07	33627156	AA	CC	1940418227
SNP_P1_152570_33627395	NC_021166.1	Ca_kabuli_chr07	33627395	CC	TT	1940418228
SNP_P1_152571_33627606	NC_021166.1	Ca_kabuli_chr07	33627606	CC	AA	1940418229
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SNP_P1_152573_33627685	NC_021166.1	Ca_kabuli_chr07	33627685	GG	AA	1940418231
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SNP_P1_152575_33627713	NC_021166.1	Ca_kabuli_chr07	33627713	GG	AA	1940418233
SNP_P1_152576_33627774	NC_021166.1	Ca_kabuli_chr07	33627774	AA	CC	1940418234
SNP_P1_152577_33630712	NC_021166.1	Ca_kabuli_chr07	33630712	GG	TT	1940418235
SNP_P1_152578_33630739	NC_021166.1	Ca_kabuli_chr07	33630739	CC	TT	1940418236

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152581_33630983	NC_021166.1	Ca_kabuli_chr07	33630983	GG	TT	1940418239
SNP_P1_152582_33631002	NC_021166.1	Ca_kabuli_chr07	33631002	CC	TT	1940418240
SNP_P1_152583_33631039	NC_021166.1	Ca_kabuli_chr07	33631039	CC	AA	1940418241
SNP_P1_152584_33631045	NC_021166.1	Ca_kabuli_chr07	33631045	GG	TT	1940418242
SNP_P1_152585_33631070	NC_021166.1	Ca_kabuli_chr07	33631070	GG	CC	1940418243
SNP_P1_152586_33631075	NC_021166.1	Ca_kabuli_chr07	33631075	GG	AA	1940418244
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SNP_P1_152592_33631293	NC_021166.1	Ca_kabuli_chr07	33631293	TT	GG	1940418250
SNP_P1_152593_33631326	NC_021166.1	Ca_kabuli_chr07	33631326	AA	GG	1940418251
SNP_P1_152594_33631340	NC_021166.1	Ca_kabuli_chr07	33631340	TT	CC	1940418252
SNP_P1_152595_33631347	NC_021166.1	Ca_kabuli_chr07	33631347	AA	TT	1940418253
SNP_P1_152596_33631398	NC_021166.1	Ca_kabuli_chr07	33631398	TT	AA	1940418254
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SNP_P1_152602_33631631	NC_021166.1	Ca_kabuli_chr07	33631631	AA	TT	1940418260
SNP_P1_152603_33631650	NC_021166.1	Ca_kabuli_chr07	33631650	CC	TT	1940418261
SNP_P1_152604_33631653	NC_021166.1	Ca_kabuli_chr07	33631653	CC	TT	1940418262
SNP_P1_152606_33631719	NC_021166.1	Ca_kabuli_chr07	33631719	GG	TT	1940418263
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SNP_P1_152608_33631756	NC_021166.1	Ca_kabuli_chr07	33631756	GG	AA	1940418265
SNP_P1_152609_33631773	NC_021166.1	Ca_kabuli_chr07	33631773	TT	GG	1940418266
SNP_P1_152610_33631780	NC_021166.1	Ca_kabuli_chr07	33631780	AA	GG	1940418267
SNP_P1_152612_33633720	NC_021166.1	Ca_kabuli_chr07	33633720	TT	CC	1940418268
SNP_P1_152613_33636252	NC_021166.1	Ca_kabuli_chr07	33636252	CC	TT	1940418269
SNP_P1_152614_33636634	NC_021166.1	Ca_kabuli_chr07	33636634	TT	CC	1940418270
SNP_P1_152615_33636638	NC_021166.1	Ca_kabuli_chr07	33636638	TT	CC	1940418271
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SNP_P1_152617_33636685	NC_021166.1	Ca_kabuli_chr07	33636685	TT	CC	1940418273
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SNP_P1_152622_33637349	NC_021166.1	Ca_kabuli_chr07	33637349	GG	AA	1940418276
SNP_P1_152623_33637793	NC_021166.1	Ca_kabuli_chr07	33637793	AA	GG	1940418277
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152627_33638058	NC_021166.1	Ca_kabuli_chr07	33638058	TT	CC	1940418281
SNP_P1_152628_33638095	NC_021166.1	Ca_kabuli_chr07	33638095	TT	CC	1940418282
SNP_P1_152629_33638261	NC_021166.1	Ca_kabuli_chr07	33638261	GG	AA	1940418283
SNP_P1_152630_33638344	NC_021166.1	Ca_kabuli_chr07	33638344	TT	AA	1940418284
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SNP_P1_152632_33638541	NC_021166.1	Ca_kabuli_chr07	33638541	AA	TT	1940418286
SNP_P1_152634_33638589	NC_021166.1	Ca_kabuli_chr07	33638589	AA	GG	1940418287
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SNP_P1_152673_33645386	NC_021166.1	Ca_kabuli_chr07	33645386	AA	GG	1940418315
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SNP_P1_152677_33647705	NC_021166.1	Ca_kabuli_chr07	33647705	TT	AA	1940418317
SNP_P1_152679_33647939	NC_021166.1	Ca_kabuli_chr07	33647939	GG	TT	1940418318
SNP_P1_152680_33649199	NC_021166.1	Ca_kabuli_chr07	33649199	CC	AA	1940418320
SNP_P1_152682_33649744	NC_021166.1	Ca_kabuli_chr07	33649744	TT	CC	1940418321

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152685_33649813	NC_021166.1	Ca_kabuli_chr07	33649813	TT	CC	1940418324
SNP_P1_152686_33649818	NC_021166.1	Ca_kabuli_chr07	33649818	TT	CC	1940418325
SNP_P1_152687_33650078	NC_021166.1	Ca_kabuli_chr07	33650078	TT	GG	1940418326
SNP_P1_152688_33650134	NC_021166.1	Ca_kabuli_chr07	33650134	CC	TT	1940418327
SNP_P1_152689_33650355	NC_021166.1	Ca_kabuli_chr07	33650355	CC	TT	1940418328
SNP_P1_152690_33650404	NC_021166.1	Ca_kabuli_chr07	33650404	GG	AA	1940418329
SNP_P1_152691_33650508	NC_021166.1	Ca_kabuli_chr07	33650508	AA	GG	1940418330
SNP_P1_152692_33650556	NC_021166.1	Ca_kabuli_chr07	33650556	TT	CC	1940418331
SNP_P1_152693_33650616	NC_021166.1	Ca_kabuli_chr07	33650616	AA	CC	1940418332
SNP_P1_152694_33650627	NC_021166.1	Ca_kabuli_chr07	33650627	TT	CC	1940418333
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SNP_P1_152698_33651981	NC_021166.1	Ca_kabuli_chr07	33651981	TT	GG	1940418337
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SNP_P1_152703_33653571	NC_021166.1	Ca_kabuli_chr07	33653571	TT	GG	1940418341
SNP_P1_152705_33653665	NC_021166.1	Ca_kabuli_chr07	33653665	AA	GG	1940418342
SNP_P1_152706_33653676	NC_021166.1	Ca_kabuli_chr07	33653676	GG	AA	1940418343
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SNP_P1_152714_33657897	NC_021166.1	Ca_kabuli_chr07	33657897	CC	AA	1940418350
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SNP_P1_152724_33659261	NC_021166.1	Ca_kabuli_chr07	33659261	TT	CC	1940418359
SNP_P1_152725_33659270	NC_021166.1	Ca_kabuli_chr07	33659270	GG	AA	1940418360
SNP_P1_152726_33659284	NC_021166.1	Ca_kabuli_chr07	33659284	CC	TT	1940418361
SNP_P1_152727_33659308	NC_021166.1	Ca_kabuli_chr07	33659308	TT	CC	1940418362
SNP_P1_152728_33659336	NC_021166.1	Ca_kabuli_chr07	33659336	GG	AA	1940418363

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152732_33659468	NC_021166.1	Ca_kabuli_chr07	33659468	AA	GG	1940418366
SNP_P1_152733_33659489	NC_021166.1	Ca_kabuli_chr07	33659489	AA	GG	1940418367
SNP_P1_152734_33659500	NC_021166.1	Ca_kabuli_chr07	33659500	CC	TT	1940418368
SNP_P1_152735_33659529	NC_021166.1	Ca_kabuli_chr07	33659529	AA	GG	1940418369
SNP_P1_152736_33659617	NC_021166.1	Ca_kabuli_chr07	33659617	AA	GG	1940418370
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SNP_P1_152738_33659676	NC_021166.1	Ca_kabuli_chr07	33659676	GG	TT	1940418372
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152826_33683323	NC_021166.1	Ca_kabuli_chr07	33683323	AA	CC	1940418438
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SNP_P1_152828_33683545	NC_021166.1	Ca_kabuli_chr07	33683545	CC	TT	1940418440
SNP_P1_152829_33683556	NC_021166.1	Ca_kabuli_chr07	33683556	CC	GG	1940418441
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SNP_P1_152831_33683890	NC_021166.1	Ca_kabuli_chr07	33683890	AA	TT	1940418443
SNP_P1_152832_33683947	NC_021166.1	Ca_kabuli_chr07	33683947	CC	AA	1940418444
SNP_P1_152833_33684370	NC_021166.1	Ca_kabuli_chr07	33684370	TT	AA	1940418445
SNP_P1_152834_33685443	NC_021166.1	Ca_kabuli_chr07	33685443	GG	AA	1940418446
SNP_P1_152835_33695235	NC_021166.1	Ca_kabuli_chr07	33695235	CC	AA	1940418447

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_152836_33697976	NC_021166.1	Ca_kabuli_chr07	33697976	GG	TT	1940418448
SNP_P1_152837_33697977	NC_021166.1	Ca_kabuli_chr07	33697977	TT	AA	1940418449
SNP_P1_152838_33698014	NC_021166.1	Ca_kabuli_chr07	33698014	AA	GG	1940418450
SNP_P1_152839_33698020	NC_021166.1	Ca_kabuli_chr07	33698020	AA	GG	1940418451
SNP_P1_152840_33698493	NC_021166.1	Ca_kabuli_chr07	33698493	TT	GG	1940418452
SNP_P1_152841_33698541	NC_021166.1	Ca_kabuli_chr07	33698541	AA	TT	1940418453
SNP_P1_152842_33698838	NC_021166.1	Ca_kabuli_chr07	33698838	CC	TT	1940418454
SNP_P1_152843_33698877	NC_021166.1	Ca_kabuli_chr07	33698877	CC	AA	1940418455
SNP_P1_152844_33700304	NC_021166.1	Ca_kabuli_chr07	33700304	CC	AA	1940418456
SNP_P1_152845_33700315	NC_021166.1	Ca_kabuli_chr07	33700315	AA	GG	1940418457
SNP_P1_152846_33700331	NC_021166.1	Ca_kabuli_chr07	33700331	AA	GG	1940418458
SNP_P1_152847_33700347	NC_021166.1	Ca_kabuli_chr07	33700347	TT	GG	1940418459
SNP_P1_152848_33700362	NC_021166.1	Ca_kabuli_chr07	33700362	CC	AA	1940418460
SNP_P1_152849_33700387	NC_021166.1	Ca_kabuli_chr07	33700387	CC	TT	1940418461
SNP_P1_152850_33700511	NC_021166.1	Ca_kabuli_chr07	33700511	AA	CC	1940418462
SNP_P1_152851_33700660	NC_021166.1	Ca_kabuli_chr07	33700660	CC	TT	1940418463
SNP_P1_152852_33700834	NC_021166.1	Ca_kabuli_chr07	33700834	CC	TT	1940418464
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SNP_P1_152854_33701181	NC_021166.1	Ca_kabuli_chr07	33701181	AA	GG	1940418466
SNP_P1_152855_33701350	NC_021166.1	Ca_kabuli_chr07	33701350	AA	GG	1940418467
SNP_P1_152856_33704744	NC_021166.1	Ca_kabuli_chr07	33704744	TT	CC	1940418468
SNP_P1_152857_33705918	NC_021166.1	Ca_kabuli_chr07	33705918	TT	AA	1940418469
SNP_P1_152858_33706124	NC_021166.1	Ca_kabuli_chr07	33706124	CC	GG	1940418470
SNP_P1_152860_33707556	NC_021166.1	Ca_kabuli_chr07	33707556	GG	TT	1940418471
SNP_P1_152861_33707579	NC_021166.1	Ca_kabuli_chr07	33707579	TT	GG	1940418472
SNP_P1_152864_33708161	NC_021166.1	Ca_kabuli_chr07	33708161	AA	GG	1940418474
SNP_P1_152865_33709209	NC_021166.1	Ca_kabuli_chr07	33709209	CC	AA	1940418475
SNP_P1_152866_33709222	NC_021166.1	Ca_kabuli_chr07	33709222	CC	TT	1940418476
SNP_P1_152867_33712293	NC_021166.1	Ca_kabuli_chr07	33712293	AA	CC	1940418477
SNP_P1_152868_33712516	NC_021166.1	Ca_kabuli_chr07	33712516	TT	CC	1940418478
SNP_P1_152869_33712521	NC_021166.1	Ca_kabuli_chr07	33712521	TT	CC	1940418479
SNP_P1_152871_33712580	NC_021166.1	Ca_kabuli_chr07	33712580	CC	GG	1940418480
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SNP_P1_152876_33714698	NC_021166.1	Ca_kabuli_chr07	33714698	TT	GG	1940418482
SNP_P1_152877_33714703	NC_021166.1	Ca_kabuli_chr07	33714703	TT	CC	1940418483
SNP_P1_152878_33714721	NC_021166.1	Ca_kabuli_chr07	33714721	TT	CC	1940418484
SNP_P1_152879_33715003	NC_021166.1	Ca_kabuli_chr07	33715003	AA	TT	1940418485
SNP_P1_152880_33715044	NC_021166.1	Ca_kabuli_chr07	33715044	CC	AA	1940418486
SNP_P1_152881_33715090	NC_021166.1	Ca_kabuli_chr07	33715090	GG	CC	1940418487
SNP_P1_152882_33715107	NC_021166.1	Ca_kabuli_chr07	33715107	CC	TT	1940418488
SNP_P1_152883_33715956	NC_021166.1	Ca_kabuli_chr07	33715956	CC	TT	1940418489
SNP_P1_152884_33715968	NC_021166.1	Ca_kabuli_chr07	33715968	AA	CC	1940418490

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152887_33716705	NC_021166.1	Ca_kabuli_chr07	33716705	CC	AA	1940418492
SNP_P1_152889_33718974	NC_021166.1	Ca_kabuli_chr07	33718974	GG	TT	1940418493
SNP_P1_152890_33718975	NC_021166.1	Ca_kabuli_chr07	33718975	AA	TT	1940418494
SNP_P1_152891_33718977	NC_021166.1	Ca_kabuli_chr07	33718977	TT	AA	1940418495
SNP_P1_152892_33719527	NC_021166.1	Ca_kabuli_chr07	33719527	AA	CC	1940418496
SNP_P1_152894_33719738	NC_021166.1	Ca_kabuli_chr07	33719738	TT	CC	1940418497
SNP_P1_152895_33720124	NC_021166.1	Ca_kabuli_chr07	33720124	CC	AA	1940418498
SNP_P1_152896_33720343	NC_021166.1	Ca_kabuli_chr07	33720343	CC	TT	1940418499
SNP_P1_152897_33720387	NC_021166.1	Ca_kabuli_chr07	33720387	GG	AA	1940418500
SNP_P1_152898_33720414	NC_021166.1	Ca_kabuli_chr07	33720414	CC	TT	1940418501
SNP_P1_152899_33720422	NC_021166.1	Ca_kabuli_chr07	33720422	GG	AA	1940418502
SNP_P1_152900_33720462	NC_021166.1	Ca_kabuli_chr07	33720462	AA	GG	1940418503
SNP_P1_152901_33720483	NC_021166.1	Ca_kabuli_chr07	33720483	TT	CC	1940418504
SNP_P1_152902_33721779	NC_021166.1	Ca_kabuli_chr07	33721779	GG	TT	1940418505
SNP_P1_152903_33721806	NC_021166.1	Ca_kabuli_chr07	33721806	TT	CC	1940418506
SNP_P1_152904_33721854	NC_021166.1	Ca_kabuli_chr07	33721854	AA	GG	1940418507
SNP_P1_152906_33722728	NC_021166.1	Ca_kabuli_chr07	33722728	CC	TT	1940418508
SNP_P1_152907_33722752	NC_021166.1	Ca_kabuli_chr07	33722752	AA	GG	1940418509
SNP_P1_152908_33722757	NC_021166.1	Ca_kabuli_chr07	33722757	GG	TT	1940418510
SNP_P1_152909_33722981	NC_021166.1	Ca_kabuli_chr07	33722981	CC	AA	1940418511
SNP_P1_152910_33722986	NC_021166.1	Ca_kabuli_chr07	33722986	GG	CC	1940418512
SNP_P1_152912_33725472	NC_021166.1	Ca_kabuli_chr07	33725472	GG	AA	1940418513
SNP_P1_152913_33725787	NC_021166.1	Ca_kabuli_chr07	33725787	TT	CC	1940418514
SNP_P1_152914_33725827	NC_021166.1	Ca_kabuli_chr07	33725827	TT	CC	1940418515
SNP_P1_152916_33726451	NC_021166.1	Ca_kabuli_chr07	33726451	CC	TT	1940418516
SNP_P1_152917_33726499	NC_021166.1	Ca_kabuli_chr07	33726499	AA	GG	1940418517
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SNP_P1_152919_33726628	NC_021166.1	Ca_kabuli_chr07	33726628	TT	AA	1940418519
SNP_P1_152920_33727112	NC_021166.1	Ca_kabuli_chr07	33727112	AA	TT	1940418520
SNP_P1_152922_33727514	NC_021166.1	Ca_kabuli_chr07	33727514	TT	CC	1940418521
SNP_P1_152923_33727544	NC_021166.1	Ca_kabuli_chr07	33727544	AA	GG	1940418522
SNP_P1_152924_33727584	NC_021166.1	Ca_kabuli_chr07	33727584	TT	CC	1940418523
SNP_P1_152925_33727694	NC_021166.1	Ca_kabuli_chr07	33727694	GG	TT	1940418524
SNP_P1_152926_33727782	NC_021166.1	Ca_kabuli_chr07	33727782	CC	AA	1940418525
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SNP_P1_152928_33728504	NC_021166.1	Ca_kabuli_chr07	33728504	AA	CC	1940418527
SNP_P1_152929_33728524	NC_021166.1	Ca_kabuli_chr07	33728524	CC	TT	1940418528
SNP_P1_152930_33728545	NC_021166.1	Ca_kabuli_chr07	33728545	CC	TT	1940418529
SNP_P1_152931_33728681	NC_021166.1	Ca_kabuli_chr07	33728681	TT	AA	1940418530
SNP_P1_152932_33728683	NC_021166.1	Ca_kabuli_chr07	33728683	GG	TT	1940418531
SNP_P1_152933_33729187	NC_021166.1	Ca_kabuli_chr07	33729187	AA	TT	1940418532

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152935_33729478	NC_021166.1	Ca_kabuli_chr07	33729478	TT	CC	1940418534
SNP_P1_152936_33729486	NC_021166.1	Ca_kabuli_chr07	33729486	AA	CC	1940418535
SNP_P1_152937_33729630	NC_021166.1	Ca_kabuli_chr07	33729630	TT	GG	1940418536
SNP_P1_152938_33729675	NC_021166.1	Ca_kabuli_chr07	33729675	CC	TT	1940418537
SNP_P1_152939_33729866	NC_021166.1	Ca_kabuli_chr07	33729866	GG	AA	1940418538
SNP_P1_152940_33729912	NC_021166.1	Ca_kabuli_chr07	33729912	CC	TT	1940418539
SNP_P1_152941_33729988	NC_021166.1	Ca_kabuli_chr07	33729988	AA	GG	1940418540
SNP_P1_152942_33730958	NC_021166.1	Ca_kabuli_chr07	33730958	CC	TT	1940418541
SNP_P1_152943_33731307	NC_021166.1	Ca_kabuli_chr07	33731307	GG	TT	1940418542
SNP_P1_152944_33732113	NC_021166.1	Ca_kabuli_chr07	33732113	TT	AA	1940418543
SNP_P1_152945_33732504	NC_021166.1	Ca_kabuli_chr07	33732504	TT	CC	1940418544
SNP_P1_152947_33732639	NC_021166.1	Ca_kabuli_chr07	33732639	AA	GG	1940418545
SNP_P1_152948_33732655	NC_021166.1	Ca_kabuli_chr07	33732655	GG	TT	1940418546
SNP_P1_152949_33732676	NC_021166.1	Ca_kabuli_chr07	33732676	TT	GG	1940418547
SNP_P1_152951_33733420	NC_021166.1	Ca_kabuli_chr07	33733420	GG	AA	1940418548
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SNP_P1_152953_33733753	NC_021166.1	Ca_kabuli_chr07	33733753	AA	CC	1940418550
SNP_P1_152954_33736797	NC_021166.1	Ca_kabuli_chr07	33736797	AA	CC	1940418551
SNP_P1_152956_33739074	NC_021166.1	Ca_kabuli_chr07	33739074	GG	AA	1940418552
SNP_P1_152957_33740809	NC_021166.1	Ca_kabuli_chr07	33740809	GG	AA	1940418553
SNP_P1_152958_33741986	NC_021166.1	Ca_kabuli_chr07	33741986	CC	TT	1940418554
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SNP_P1_152960_33743963	NC_021166.1	Ca_kabuli_chr07	33743963	GG	AA	1940418556
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SNP_P1_152962_33745937	NC_021166.1	Ca_kabuli_chr07	33745937	GG	AA	1940418558
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SNP_P1_152966_33747147	NC_021166.1	Ca_kabuli_chr07	33747147	AA	TT	1940418561
SNP_P1_152968_33747295	NC_021166.1	Ca_kabuli_chr07	33747295	GG	AA	1940418562
SNP_P1_152969_33747340	NC_021166.1	Ca_kabuli_chr07	33747340	AA	GG	1940418563
SNP_P1_152970_33747365	NC_021166.1	Ca_kabuli_chr07	33747365	CC	TT	1940418564
SNP_P1_152971_33751998	NC_021166.1	Ca_kabuli_chr07	33751998	TT	CC	1940418565
SNP_P1_152972_33752438	NC_021166.1	Ca_kabuli_chr07	33752438	AA	GG	1940418566
SNP_P1_152973_33753538	NC_021166.1	Ca_kabuli_chr07	33753538	GG	AA	1940418567
SNP_P1_152974_33753541	NC_021166.1	Ca_kabuli_chr07	33753541	AA	TT	1940418568
SNP_P1_152976_33754868	NC_021166.1	Ca_kabuli_chr07	33754868	CC	TT	1940418569
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SNP_P1_152978_33756425	NC_021166.1	Ca_kabuli_chr07	33756425	TT	GG	1940418571
SNP_P1_152979_33756450	NC_021166.1	Ca_kabuli_chr07	33756450	GG	AA	1940418572
SNP_P1_152980_33756968	NC_021166.1	Ca_kabuli_chr07	33756968	GG	AA	1940418573
SNP_P1_152981_33756982	NC_021166.1	Ca_kabuli_chr07	33756982	CC	AA	1940418574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_152985_33757723	NC_021166.1	Ca_kabuli_chr07	33757723	TT	CC	1940418576
SNP_P1_152986_33758618	NC_021166.1	Ca_kabuli_chr07	33758618	GG	AA	1940418577
SNP_P1_152987_33759182	NC_021166.1	Ca_kabuli_chr07	33759182	AA	CC	1940418578
SNP_P1_152988_33759270	NC_021166.1	Ca_kabuli_chr07	33759270	CC	GG	1940418579
SNP_P1_152989_33759345	NC_021166.1	Ca_kabuli_chr07	33759345	CC	TT	1940418580
SNP_P1_152990_33759580	NC_021166.1	Ca_kabuli_chr07	33759580	GG	TT	1940418581
SNP_P1_152991_33759645	NC_021166.1	Ca_kabuli_chr07	33759645	CC	TT	1940418582
SNP_P1_152992_33759648	NC_021166.1	Ca_kabuli_chr07	33759648	CC	TT	1940418583
SNP_P1_152993_33759675	NC_021166.1	Ca_kabuli_chr07	33759675	CC	TT	1940418584
SNP_P1_152994_33759709	NC_021166.1	Ca_kabuli_chr07	33759709	CC	TT	1940418585
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SNP_P1_152997_33763278	NC_021166.1	Ca_kabuli_chr07	33763278	AA	GG	1940418587
SNP_P1_152998_33763290	NC_021166.1	Ca_kabuli_chr07	33763290	AA	GG	1940418588
SNP_P1_152999_33763296	NC_021166.1	Ca_kabuli_chr07	33763296	AA	GG	1940418589
SNP_P1_153000_33763590	NC_021166.1	Ca_kabuli_chr07	33763590	GG	AA	1940418590
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SNP_P1_153002_33763609	NC_021166.1	Ca_kabuli_chr07	33763609	CC	TT	1940418592
SNP_P1_153003_33763621	NC_021166.1	Ca_kabuli_chr07	33763621	GG	AA	1940418593
SNP_P1_153004_33763655	NC_021166.1	Ca_kabuli_chr07	33763655	CC	TT	1940418594
SNP_P1_153005_33763672	NC_021166.1	Ca_kabuli_chr07	33763672	TT	CC	1940418595
SNP_P1_153006_33765487	NC_021166.1	Ca_kabuli_chr07	33765487	TT	AA	1940418596
SNP_P1_153007_33765497	NC_021166.1	Ca_kabuli_chr07	33765497	AA	GG	1940418597
SNP_P1_153008_33765510	NC_021166.1	Ca_kabuli_chr07	33765510	TT	AA	1940418598
SNP_P1_153009_33765561	NC_021166.1	Ca_kabuli_chr07	33765561	AA	TT	1940418599
SNP_P1_153010_33765614	NC_021166.1	Ca_kabuli_chr07	33765614	TT	AA	1940418600
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SNP_P1_153014_33766154	NC_021166.1	Ca_kabuli_chr07	33766154	GG	TT	1940418603
SNP_P1_153015_33766324	NC_021166.1	Ca_kabuli_chr07	33766324	CC	GG	1940418604
SNP_P1_153016_33766633	NC_021166.1	Ca_kabuli_chr07	33766633	GG	AA	1940418605
SNP_P1_153018_33768607	NC_021166.1	Ca_kabuli_chr07	33768607	AA	GG	1940418606
SNP_P1_153019_33768642	NC_021166.1	Ca_kabuli_chr07	33768642	TT	CC	1940418607
SNP_P1_153020_33768652	NC_021166.1	Ca_kabuli_chr07	33768652	CC	TT	1940418608
SNP_P1_153021_33768679	NC_021166.1	Ca_kabuli_chr07	33768679	CC	AA	1940418609
SNP_P1_153023_33768934	NC_021166.1	Ca_kabuli_chr07	33768934	AA	CC	1940418610
SNP_P1_153025_33769289	NC_021166.1	Ca_kabuli_chr07	33769289	GG	AA	1940418611
SNP_P1_153026_33769373	NC_021166.1	Ca_kabuli_chr07	33769373	AA	TT	1940418612
SNP_P1_153027_33769392	NC_021166.1	Ca_kabuli_chr07	33769392	TT	CC	1940418613
SNP_P1_153029_33770815	NC_021166.1	Ca_kabuli_chr07	33770815	GG	AA	1940418614
SNP_P1_153030_33770818	NC_021166.1	Ca_kabuli_chr07	33770818	AA	CC	1940418615
SNP_P1_153032_33770856	NC_021166.1	Ca_kabuli_chr07	33770856	TT	CC	1940418616

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153037_33771006	NC_021166.1	Ca_kabuli_chr07	33771006	TT	CC	1940418619
SNP_P1_153038_33771129	NC_021166.1	Ca_kabuli_chr07	33771129	AA	GG	1940418621
SNP_P1_153039_33771165	NC_021166.1	Ca_kabuli_chr07	33771165	AA	CC	1940418622
SNP_P1_153040_33771169	NC_021166.1	Ca_kabuli_chr07	33771169	TT	CC	1940418623
SNP_P1_153041_33771209	NC_021166.1	Ca_kabuli_chr07	33771209	AA	GG	1940418624
SNP_P1_153042_33771237	NC_021166.1	Ca_kabuli_chr07	33771237	TT	AA	1940418625
SNP_P1_153043_33772165	NC_021166.1	Ca_kabuli_chr07	33772165	TT	CC	1940418626
SNP_P1_153045_33772747	NC_021166.1	Ca_kabuli_chr07	33772747	AA	TT	1940418627
SNP_P1_153046_33772942	NC_021166.1	Ca_kabuli_chr07	33772942	CC	TT	1940418628
SNP_P1_153047_33772962	NC_021166.1	Ca_kabuli_chr07	33772962	TT	AA	1940418629
SNP_P1_153049_33775116	NC_021166.1	Ca_kabuli_chr07	33775116	TT	CC	1940418630
SNP_P1_153050_33775149	NC_021166.1	Ca_kabuli_chr07	33775149	AA	CC	1940418631
SNP_P1_153051_33775151	NC_021166.1	Ca_kabuli_chr07	33775151	TT	CC	1940418632
SNP_P1_153052_33775170	NC_021166.1	Ca_kabuli_chr07	33775170	TT	AA	1940418633
SNP_P1_153053_33775179	NC_021166.1	Ca_kabuli_chr07	33775179	TT	CC	1940418634
SNP_P1_153054_33775570	NC_021166.1	Ca_kabuli_chr07	33775570	AA	CC	1940418635
SNP_P1_153055_33775632	NC_021166.1	Ca_kabuli_chr07	33775632	AA	CC	1940418636
SNP_P1_153056_33775645	NC_021166.1	Ca_kabuli_chr07	33775645	GG	CC	1940418637
SNP_P1_153057_33775647	NC_021166.1	Ca_kabuli_chr07	33775647	GG	AA	1940418638
SNP_P1_153058_33775671	NC_021166.1	Ca_kabuli_chr07	33775671	GG	AA	1940418639
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SNP_P1_153060_33775792	NC_021166.1	Ca_kabuli_chr07	33775792	TT	GG	1940418641
SNP_P1_153061_33775834	NC_021166.1	Ca_kabuli_chr07	33775834	TT	CC	1940418642
SNP_P1_153062_33775874	NC_021166.1	Ca_kabuli_chr07	33775874	GG	AA	1940418643
SNP_P1_153063_33775888	NC_021166.1	Ca_kabuli_chr07	33775888	GG	AA	1940418644
SNP_P1_153064_33776014	NC_021166.1	Ca_kabuli_chr07	33776014	AA	GG	1940418645
SNP_P1_153065_33776020	NC_021166.1	Ca_kabuli_chr07	33776020	AA	GG	1940418646
SNP_P1_153066_33776056	NC_021166.1	Ca_kabuli_chr07	33776056	TT	GG	1940418647
SNP_P1_153067_33776100	NC_021166.1	Ca_kabuli_chr07	33776100	GG	AA	1940418648
SNP_P1_153069_33776151	NC_021166.1	Ca_kabuli_chr07	33776151	GG	AA	1940418649
SNP_P1_153070_33776161	NC_021166.1	Ca_kabuli_chr07	33776161	CC	GG	1940418650
SNP_P1_153071_33776442	NC_021166.1	Ca_kabuli_chr07	33776442	AA	TT	1940418651
SNP_P1_153073_33779023	NC_021166.1	Ca_kabuli_chr07	33779023	CC	GG	1940418652
SNP_P1_153074_33779538	NC_021166.1	Ca_kabuli_chr07	33779538	AA	GG	1940418653
SNP_P1_153075_33780130	NC_021166.1	Ca_kabuli_chr07	33780130	AA	TT	1940418654
SNP_P1_153076_33780413	NC_021166.1	Ca_kabuli_chr07	33780413	CC	TT	1940418655
SNP_P1_153077_33780640	NC_021166.1	Ca_kabuli_chr07	33780640	AA	GG	1940418656
SNP_P1_153078_33780666	NC_021166.1	Ca_kabuli_chr07	33780666	GG	AA	1940418657
SNP_P1_153079_33780685	NC_021166.1	Ca_kabuli_chr07	33780685	AA	GG	1940418658
SNP_P1_153080_33780814	NC_021166.1	Ca_kabuli_chr07	33780814	AA	GG	1940418659

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153082_33780912	NC_021166.1	Ca_kabuli_chr07	33780912	TT	CC	1940418661
SNP_P1_153083_33780933	NC_021166.1	Ca_kabuli_chr07	33780933	CC	TT	1940418662
SNP_P1_153084_33780953	NC_021166.1	Ca_kabuli_chr07	33780953	AA	CC	1940418663
SNP_P1_153085_33781163	NC_021166.1	Ca_kabuli_chr07	33781163	TT	AA	1940418664
SNP_P1_153086_33781185	NC_021166.1	Ca_kabuli_chr07	33781185	AA	GG	1940418665
SNP_P1_153087_33781197	NC_021166.1	Ca_kabuli_chr07	33781197	GG	AA	1940418666
SNP_P1_153089_33781348	NC_021166.1	Ca_kabuli_chr07	33781348	TT	CC	1940418667
SNP_P1_153090_33781469	NC_021166.1	Ca_kabuli_chr07	33781469	CC	AA	1940418668
SNP_P1_153091_33781535	NC_021166.1	Ca_kabuli_chr07	33781535	AA	TT	1940418669
SNP_P1_153092_33781625	NC_021166.1	Ca_kabuli_chr07	33781625	TT	CC	1940418670
SNP_P1_153093_33781636	NC_021166.1	Ca_kabuli_chr07	33781636	AA	TT	1940418671
SNP_P1_153095_33781755	NC_021166.1	Ca_kabuli_chr07	33781755	AA	TT	1940418672
SNP_P1_153096_33781809	NC_021166.1	Ca_kabuli_chr07	33781809	AA	TT	1940418673
SNP_P1_153097_33781903	NC_021166.1	Ca_kabuli_chr07	33781903	GG	AA	1940418674
SNP_P1_153098_33781910	NC_021166.1	Ca_kabuli_chr07	33781910	TT	CC	1940418675
SNP_P1_153099_33781985	NC_021166.1	Ca_kabuli_chr07	33781985	GG	AA	1940418676
SNP_P1_153103_33783121	NC_021166.1	Ca_kabuli_chr07	33783121	GG	TT	1940418677
SNP_P1_153104_33784776	NC_021166.1	Ca_kabuli_chr07	33784776	GG	AA	1940418678
SNP_P1_153106_33785735	NC_021166.1	Ca_kabuli_chr07	33785735	CC	GG	1940418679
SNP_P1_153107_33786761	NC_021166.1	Ca_kabuli_chr07	33786761	GG	CC	1940418680
SNP_P1_153109_33786946	NC_021166.1	Ca_kabuli_chr07	33786946	TT	CC	1940418681
SNP_P1_153110_33788182	NC_021166.1	Ca_kabuli_chr07	33788182	GG	AA	1940418682
SNP_P1_153111_33788647	NC_021166.1	Ca_kabuli_chr07	33788647	CC	TT	1940418683
SNP_P1_153112_33789453	NC_021166.1	Ca_kabuli_chr07	33789453	TT	CC	1940418684
SNP_P1_153113_33789547	NC_021166.1	Ca_kabuli_chr07	33789547	CC	GG	1940418685
SNP_P1_153114_33792141	NC_021166.1	Ca_kabuli_chr07	33792141	CC	TT	1940418686
SNP_P1_153116_33792420	NC_021166.1	Ca_kabuli_chr07	33792420	AA	TT	1940418687
SNP_P1_153117_33792713	NC_021166.1	Ca_kabuli_chr07	33792713	AA	GG	1940418688
SNP_P1_153119_33793272	NC_021166.1	Ca_kabuli_chr07	33793272	AA	TT	1940418689
SNP_P1_153120_33793333	NC_021166.1	Ca_kabuli_chr07	33793333	GG	AA	1940418690
SNP_P1_153121_33793441	NC_021166.1	Ca_kabuli_chr07	33793441	AA	GG	1940418691
SNP_P1_153122_33793455	NC_021166.1	Ca_kabuli_chr07	33793455	TT	CC	1940418692
SNP_P1_153123_33793500	NC_021166.1	Ca_kabuli_chr07	33793500	CC	TT	1940418693
SNP_P1_153124_33793581	NC_021166.1	Ca_kabuli_chr07	33793581	GG	TT	1940418694
SNP_P1_153125_33793590	NC_021166.1	Ca_kabuli_chr07	33793590	AA	GG	1940418695
SNP_P1_153126_33793779	NC_021166.1	Ca_kabuli_chr07	33793779	TT	CC	1940418696
SNP_P1_153127_33793946	NC_021166.1	Ca_kabuli_chr07	33793946	GG	AA	1940418697
SNP_P1_153128_33794007	NC_021166.1	Ca_kabuli_chr07	33794007	CC	TT	1940418698
SNP_P1_153129_33794012	NC_021166.1	Ca_kabuli_chr07	33794012	AA	GG	1940418699
SNP_P1_153131_33795187	NC_021166.1	Ca_kabuli_chr07	33795187	AA	GG	1940418700
SNP_P1_153132_33795368	NC_021166.1	Ca_kabuli_chr07	33795368	TT	CC	1940418701

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153137_33796492	NC_021166.1	Ca_kabuli_chr07	33796492	TT	AA	1940418703
SNP_P1_153138_33796493	NC_021166.1	Ca_kabuli_chr07	33796493	AA	TT	1940418704
SNP_P1_153140_33796668	NC_021166.1	Ca_kabuli_chr07	33796668	CC	TT	1940418705
SNP_P1_153141_33796671	NC_021166.1	Ca_kabuli_chr07	33796671	GG	AA	1940418706
SNP_P1_153142_33797085	NC_021166.1	Ca_kabuli_chr07	33797085	AA	CC	1940418707
SNP_P1_153143_33797223	NC_021166.1	Ca_kabuli_chr07	33797223	GG	AA	1940418708
SNP_P1_153144_33797236	NC_021166.1	Ca_kabuli_chr07	33797236	TT	CC	1940418709
SNP_P1_153145_33797314	NC_021166.1	Ca_kabuli_chr07	33797314	CC	TT	1940418710
SNP_P1_153146_33797418	NC_021166.1	Ca_kabuli_chr07	33797418	TT	AA	1940418711
SNP_P1_153150_33798843	NC_021166.1	Ca_kabuli_chr07	33798843	TT	CC	1940418712
SNP_P1_153151_33799053	NC_021166.1	Ca_kabuli_chr07	33799053	GG	AA	1940418713
SNP_P1_153152_33800177	NC_021166.1	Ca_kabuli_chr07	33800177	GG	AA	1940418714
SNP_P1_153153_33800220	NC_021166.1	Ca_kabuli_chr07	33800220	GG	AA	1940418715
SNP_P1_153154_33800424	NC_021166.1	Ca_kabuli_chr07	33800424	TT	CC	1940418716
SNP_P1_153155_33802042	NC_021166.1	Ca_kabuli_chr07	33802042	AA	GG	1940418717
SNP_P1_153156_33802118	NC_021166.1	Ca_kabuli_chr07	33802118	CC	TT	1940418718
SNP_P1_153157_33802162	NC_021166.1	Ca_kabuli_chr07	33802162	CC	TT	1940418719
SNP_P1_153158_33802185	NC_021166.1	Ca_kabuli_chr07	33802185	CC	TT	1940418720
SNP_P1_153159_33802276	NC_021166.1	Ca_kabuli_chr07	33802276	TT	AA	1940418721
SNP_P1_153160_33802312	NC_021166.1	Ca_kabuli_chr07	33802312	AA	GG	1940418722
SNP_P1_153161_33802313	NC_021166.1	Ca_kabuli_chr07	33802313	TT	AA	1940418723
SNP_P1_153162_33803760	NC_021166.1	Ca_kabuli_chr07	33803760	TT	CC	1940418724
SNP_P1_153163_33803784	NC_021166.1	Ca_kabuli_chr07	33803784	GG	CC	1940418725
SNP_P1_153164_33804070	NC_021166.1	Ca_kabuli_chr07	33804070	CC	TT	1940418726
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SNP_P1_153166_33804123	NC_021166.1	Ca_kabuli_chr07	33804123	GG	TT	1940418728
SNP_P1_153167_33804129	NC_021166.1	Ca_kabuli_chr07	33804129	CC	TT	1940418729
SNP_P1_153168_33804150	NC_021166.1	Ca_kabuli_chr07	33804150	TT	CC	1940418730
SNP_P1_153169_33804343	NC_021166.1	Ca_kabuli_chr07	33804343	AA	GG	1940418731
SNP_P1_153170_33805052	NC_021166.1	Ca_kabuli_chr07	33805052	TT	GG	1940418732
SNP_P1_153171_33805060	NC_021166.1	Ca_kabuli_chr07	33805060	TT	AA	1940418733
SNP_P1_153172_33805068	NC_021166.1	Ca_kabuli_chr07	33805068	AA	TT	1940418734
SNP_P1_153173_33805093	NC_021166.1	Ca_kabuli_chr07	33805093	TT	GG	1940418735
SNP_P1_153174_33805106	NC_021166.1	Ca_kabuli_chr07	33805106	TT	CC	1940418736
SNP_P1_153176_33805127	NC_021166.1	Ca_kabuli_chr07	33805127	GG	AA	1940418737
SNP_P1_153177_33805176	NC_021166.1	Ca_kabuli_chr07	33805176	GG	AA	1940418738
SNP_P1_153178_33805177	NC_021166.1	Ca_kabuli_chr07	33805177	CC	TT	1940418739
SNP_P1_153179_33805213	NC_021166.1	Ca_kabuli_chr07	33805213	TT	CC	1940418740
SNP_P1_153180_33805271	NC_021166.1	Ca_kabuli_chr07	33805271	AA	GG	1940418741
SNP_P1_153181_33805415	NC_021166.1	Ca_kabuli_chr07	33805415	CC	TT	1940418742
SNP_P1_153182_33805451	NC_021166.1	Ca_kabuli_chr07	33805451	CC	TT	1940418743

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153184_33805483	NC_021166.1	Ca_kabuli_chr07	33805483	AA	TT	1940418745
SNP_P1_153185_33805485	NC_021166.1	Ca_kabuli_chr07	33805485	GG	AA	1940418746
SNP_P1_153187_33805551	NC_021166.1	Ca_kabuli_chr07	33805551	AA	CC	1940418747
SNP_P1_153188_33805552	NC_021166.1	Ca_kabuli_chr07	33805552	AA	GG	1940418748
SNP_P1_153189_33805569	NC_021166.1	Ca_kabuli_chr07	33805569	CC	TT	1940418749
SNP_P1_153191_33807309	NC_021166.1	Ca_kabuli_chr07	33807309	GG	AA	1940418750
SNP_P1_153193_33808659	NC_021166.1	Ca_kabuli_chr07	33808659	AA	TT	1940418751
SNP_P1_153194_33808988	NC_021166.1	Ca_kabuli_chr07	33808988	GG	AA	1940418752
SNP_P1_153195_33809055	NC_021166.1	Ca_kabuli_chr07	33809055	AA	TT	1940418753
SNP_P1_153196_33809085	NC_021166.1	Ca_kabuli_chr07	33809085	TT	CC	1940418754
SNP_P1_153197_33809125	NC_021166.1	Ca_kabuli_chr07	33809125	AA	GG	1940418755
SNP_P1_153198_33809157	NC_021166.1	Ca_kabuli_chr07	33809157	AA	GG	1940418756
SNP_P1_153199_33809528	NC_021166.1	Ca_kabuli_chr07	33809528	TT	CC	1940418757
SNP_P1_153200_33810082	NC_021166.1	Ca_kabuli_chr07	33810082	TT	CC	1940418758
SNP_P1_153202_33810383	NC_021166.1	Ca_kabuli_chr07	33810383	AA	GG	1940418759
SNP_P1_153204_33810636	NC_021166.1	Ca_kabuli_chr07	33810636	TT	CC	1940418760
SNP_P1_153205_33810669	NC_021166.1	Ca_kabuli_chr07	33810669	CC	TT	1940418761
SNP_P1_153206_33810883	NC_021166.1	Ca_kabuli_chr07	33810883	GG	AA	1940418762
SNP_P1_153207_33810967	NC_021166.1	Ca_kabuli_chr07	33810967	TT	CC	1940418763
SNP_P1_153208_33811214	NC_021166.1	Ca_kabuli_chr07	33811214	GG	AA	1940418764
SNP_P1_153209_33811442	NC_021166.1	Ca_kabuli_chr07	33811442	AA	GG	1940418765
SNP_P1_153210_33811444	NC_021166.1	Ca_kabuli_chr07	33811444	GG	AA	1940418767
SNP_P1_153213_33812237	NC_021166.1	Ca_kabuli_chr07	33812237	CC	AA	1940418768
SNP_P1_153214_33812253	NC_021166.1	Ca_kabuli_chr07	33812253	TT	AA	1940418769
SNP_P1_153215_33812282	NC_021166.1	Ca_kabuli_chr07	33812282	GG	AA	1940418770
SNP_P1_153217_33812503	NC_021166.1	Ca_kabuli_chr07	33812503	GG	AA	1940418771
SNP_P1_153219_33812584	NC_021166.1	Ca_kabuli_chr07	33812584	TT	AA	1940418772
SNP_P1_153220_33812853	NC_021166.1	Ca_kabuli_chr07	33812853	CC	AA	1940418773
SNP_P1_153221_33812855	NC_021166.1	Ca_kabuli_chr07	33812855	AA	CC	1940418774
SNP_P1_153222_33813065	NC_021166.1	Ca_kabuli_chr07	33813065	GG	AA	1940418775
SNP_P1_153223_33813089	NC_021166.1	Ca_kabuli_chr07	33813089	CC	TT	1940418776
SNP_P1_153226_33813173	NC_021166.1	Ca_kabuli_chr07	33813173	AA	GG	1940418777
SNP_P1_153227_33813400	NC_021166.1	Ca_kabuli_chr07	33813400	TT	AA	1940418778
SNP_P1_153228_33814249	NC_021166.1	Ca_kabuli_chr07	33814249	AA	TT	1940418779
SNP_P1_153232_33815020	NC_021166.1	Ca_kabuli_chr07	33815020	CC	AA	1940418780
SNP_P1_153233_33815201	NC_021166.1	Ca_kabuli_chr07	33815201	AA	GG	1940418781
SNP_P1_153234_33815322	NC_021166.1	Ca_kabuli_chr07	33815322	CC	GG	1940418782
SNP_P1_153235_33815324	NC_021166.1	Ca_kabuli_chr07	33815324	CC	TT	1940418783
SNP_P1_153236_33815374	NC_021166.1	Ca_kabuli_chr07	33815374	CC	GG	1940418784
SNP_P1_153239_33815731	NC_021166.1	Ca_kabuli_chr07	33815731	GG	TT	1940418785
SNP_P1_153241_33817116	NC_021166.1	Ca_kabuli_chr07	33817116	GG	AA	1940418786

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153244_33817354	NC_021166.1	Ca_kabuli_chr07	33817354	AA	GG	1940418789
SNP_P1_153246_33817419	NC_021166.1	Ca_kabuli_chr07	33817419	CC	TT	1940418790
SNP_P1_153247_33818901	NC_021166.1	Ca_kabuli_chr07	33818901	AA	GG	1940418791
SNP_P1_153249_33819632	NC_021166.1	Ca_kabuli_chr07	33819632	AA	GG	1940418792
SNP_P1_153251_33821189	NC_021166.1	Ca_kabuli_chr07	33821189	AA	GG	1940418793
SNP_P1_153252_33821212	NC_021166.1	Ca_kabuli_chr07	33821212	CC	GG	1940418794
SNP_P1_153254_33821476	NC_021166.1	Ca_kabuli_chr07	33821476	AA	CC	1940418795
SNP_P1_153255_33821678	NC_021166.1	Ca_kabuli_chr07	33821678	AA	GG	1940418796
SNP_P1_153256_33821690	NC_021166.1	Ca_kabuli_chr07	33821690	CC	AA	1940418797
SNP_P1_153257_33821693	NC_021166.1	Ca_kabuli_chr07	33821693	TT	AA	1940418798
SNP_P1_153259_33822183	NC_021166.1	Ca_kabuli_chr07	33822183	GG	AA	1940418799
SNP_P1_153261_33822239	NC_021166.1	Ca_kabuli_chr07	33822239	TT	CC	1940418800
SNP_P1_153262_33823165	NC_021166.1	Ca_kabuli_chr07	33823165	CC	GG	1940418801
SNP_P1_153263_33823517	NC_021166.1	Ca_kabuli_chr07	33823517	GG	AA	1940418802
SNP_P1_153264_33824552	NC_021166.1	Ca_kabuli_chr07	33824552	TT	GG	1940418803
SNP_P1_153265_33824808	NC_021166.1	Ca_kabuli_chr07	33824808	GG	AA	1940418804
SNP_P1_153266_33824975	NC_021166.1	Ca_kabuli_chr07	33824975	TT	GG	1940418805
SNP_P1_153267_33825108	NC_021166.1	Ca_kabuli_chr07	33825108	AA	GG	1940418806
SNP_P1_153268_33825150	NC_021166.1	Ca_kabuli_chr07	33825150	GG	AA	1940418807
SNP_P1_153270_33825259	NC_021166.1	Ca_kabuli_chr07	33825259	TT	GG	1940418808
SNP_P1_153271_33825685	NC_021166.1	Ca_kabuli_chr07	33825685	TT	CC	1940418809
SNP_P1_153272_33825931	NC_021166.1	Ca_kabuli_chr07	33825931	GG	AA	1940418810
SNP_P1_153273_33825932	NC_021166.1	Ca_kabuli_chr07	33825932	AA	GG	1940418811
SNP_P1_153274_33826576	NC_021166.1	Ca_kabuli_chr07	33826576	TT	GG	1940418812
SNP_P1_153275_33826600	NC_021166.1	Ca_kabuli_chr07	33826600	AA	TT	1940418813
SNP_P1_153276_33826647	NC_021166.1	Ca_kabuli_chr07	33826647	GG	AA	1940418814
SNP_P1_153278_33827426	NC_021166.1	Ca_kabuli_chr07	33827426	AA	GG	1940418815
SNP_P1_153279_33827547	NC_021166.1	Ca_kabuli_chr07	33827547	TT	AA	1940418816
SNP_P1_153281_33827769	NC_021166.1	Ca_kabuli_chr07	33827769	GG	AA	1940418817
SNP_P1_153282_33827772	NC_021166.1	Ca_kabuli_chr07	33827772	GG	AA	1940418818
SNP_P1_153283_33827820	NC_021166.1	Ca_kabuli_chr07	33827820	GG	AA	1940418819
SNP_P1_153284_33829068	NC_021166.1	Ca_kabuli_chr07	33829068	AA	TT	1940418820
SNP_P1_153285_33829136	NC_021166.1	Ca_kabuli_chr07	33829136	CC	GG	1940418821
SNP_P1_153286_33829160	NC_021166.1	Ca_kabuli_chr07	33829160	TT	CC	1940418822
SNP_P1_153288_33829444	NC_021166.1	Ca_kabuli_chr07	33829444	TT	CC	1940418823
SNP_P1_153290_33830949	NC_021166.1	Ca_kabuli_chr07	33830949	TT	GG	1940418824
SNP_P1_153291_33837842	NC_021166.1	Ca_kabuli_chr07	33837842	AA	GG	1940418825
SNP_P1_153292_33837879	NC_021166.1	Ca_kabuli_chr07	33837879	GG	TT	1940418826
SNP_P1_153293_33838865	NC_021166.1	Ca_kabuli_chr07	33838865	CC	TT	1940418827
SNP_P1_153294_33838914	NC_021166.1	Ca_kabuli_chr07	33838914	GG	AA	1940418828

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153297_33839229	NC_021166.1	Ca_kabuli_chr07	33839229	AA	GG	1940418831
SNP_P1_153299_33839260	NC_021166.1	Ca_kabuli_chr07	33839260	GG	TT	1940418832
SNP_P1_153300_33839266	NC_021166.1	Ca_kabuli_chr07	33839266	TT	CC	1940418833
SNP_P1_153301_33839293	NC_021166.1	Ca_kabuli_chr07	33839293	TT	AA	1940418834
SNP_P1_153302_33839305	NC_021166.1	Ca_kabuli_chr07	33839305	TT	AA	1940418835
SNP_P1_153303_33839324	NC_021166.1	Ca_kabuli_chr07	33839324	AA	TT	1940418836
SNP_P1_153304_33839340	NC_021166.1	Ca_kabuli_chr07	33839340	CC	AA	1940418837
SNP_P1_153306_33839867	NC_021166.1	Ca_kabuli_chr07	33839867	TT	AA	1940418838
SNP_P1_153307_33839868	NC_021166.1	Ca_kabuli_chr07	33839868	GG	AA	1940418839
SNP_P1_153308_33839907	NC_021166.1	Ca_kabuli_chr07	33839907	TT	CC	1940418840
SNP_P1_153309_33839908	NC_021166.1	Ca_kabuli_chr07	33839908	CC	TT	1940418841
SNP_P1_153310_33839930	NC_021166.1	Ca_kabuli_chr07	33839930	TT	CC	1940418842
SNP_P1_153311_33839943	NC_021166.1	Ca_kabuli_chr07	33839943	TT	AA	1940418843
SNP_P1_153312_33839954	NC_021166.1	Ca_kabuli_chr07	33839954	TT	CC	1940418844
SNP_P1_153313_33839956	NC_021166.1	Ca_kabuli_chr07	33839956	AA	TT	1940418845
SNP_P1_153314_33839964	NC_021166.1	Ca_kabuli_chr07	33839964	TT	CC	1940418846
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SNP_P1_153316_33840134	NC_021166.1	Ca_kabuli_chr07	33840134	CC	TT	1940418848
SNP_P1_153319_33846893	NC_021166.1	Ca_kabuli_chr07	33846893	TT	CC	1940418849
SNP_P1_153320_33848051	NC_021166.1	Ca_kabuli_chr07	33848051	TT	AA	1940418850
SNP_P1_153322_33849526	NC_021166.1	Ca_kabuli_chr07	33849526	GG	CC	1940418851
SNP_P1_153323_33849531	NC_021166.1	Ca_kabuli_chr07	33849531	CC	AA	1940418852
SNP_P1_153325_33850759	NC_021166.1	Ca_kabuli_chr07	33850759	GG	AA	1940418853
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SNP_P1_153328_33850998	NC_021166.1	Ca_kabuli_chr07	33850998	AA	GG	1940418856
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SNP_P1_153330_33851057	NC_021166.1	Ca_kabuli_chr07	33851057	AA	TT	1940418858
SNP_P1_153331_33851061	NC_021166.1	Ca_kabuli_chr07	33851061	AA	GG	1940418859
SNP_P1_153332_33851572	NC_021166.1	Ca_kabuli_chr07	33851572	GG	TT	1940418860
SNP_P1_153333_33851593	NC_021166.1	Ca_kabuli_chr07	33851593	AA	TT	1940418861
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SNP_P1_153337_33851846	NC_021166.1	Ca_kabuli_chr07	33851846	AA	TT	1940418864
SNP_P1_153338_33851847	NC_021166.1	Ca_kabuli_chr07	33851847	AA	TT	1940418865
SNP_P1_153339_33851848	NC_021166.1	Ca_kabuli_chr07	33851848	AA	TT	1940418866
SNP_P1_153340_33852032	NC_021166.1	Ca_kabuli_chr07	33852032	AA	GG	1940418867
SNP_P1_153342_33853232	NC_021166.1	Ca_kabuli_chr07	33853232	AA	TT	1940418868
SNP_P1_153343_33855167	NC_021166.1	Ca_kabuli_chr07	33855167	GG	AA	1940418869
SNP_P1_153344_33855170	NC_021166.1	Ca_kabuli_chr07	33855170	TT	CC	1940418870

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153347_33855314	NC_021166.1	Ca_kabuli_chr07	33855314	TT	CC	1940418872
SNP_P1_153349_33855478	NC_021166.1	Ca_kabuli_chr07	33855478	TT	GG	1940418873
SNP_P1_153352_33855756	NC_021166.1	Ca_kabuli_chr07	33855756	AA	CC	1940418874
SNP_P1_153355_33855936	NC_021166.1	Ca_kabuli_chr07	33855936	CC	TT	1940418875
SNP_P1_153356_33856359	NC_021166.1	Ca_kabuli_chr07	33856359	AA	TT	1940418876
SNP_P1_153357_33856525	NC_021166.1	Ca_kabuli_chr07	33856525	CC	TT	1940418877
SNP_P1_153360_33856592	NC_021166.1	Ca_kabuli_chr07	33856592	GG	TT	1940418878
SNP_P1_153361_33856749	NC_021166.1	Ca_kabuli_chr07	33856749	AA	TT	1940418879
SNP_P1_153362_33856777	NC_021166.1	Ca_kabuli_chr07	33856777	AA	TT	1940418880
SNP_P1_153364_33856886	NC_021166.1	Ca_kabuli_chr07	33856886	CC	AA	1940418881
SNP_P1_153365_33856898	NC_021166.1	Ca_kabuli_chr07	33856898	CC	AA	1940418882
SNP_P1_153366_33856919	NC_021166.1	Ca_kabuli_chr07	33856919	AA	GG	1940418883
SNP_P1_153368_33857643	NC_021166.1	Ca_kabuli_chr07	33857643	AA	GG	1940418884
SNP_P1_153369_33857757	NC_021166.1	Ca_kabuli_chr07	33857757	CC	TT	1940418885
SNP_P1_153370_33857981	NC_021166.1	Ca_kabuli_chr07	33857981	CC	AA	1940418886
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SNP_P1_153372_33858054	NC_021166.1	Ca_kabuli_chr07	33858054	TT	AA	1940418888
SNP_P1_153373_33858072	NC_021166.1	Ca_kabuli_chr07	33858072	TT	AA	1940418889
SNP_P1_153374_33858090	NC_021166.1	Ca_kabuli_chr07	33858090	TT	GG	1940418890
SNP_P1_153375_33858091	NC_021166.1	Ca_kabuli_chr07	33858091	CC	TT	1940418892
SNP_P1_153376_33858100	NC_021166.1	Ca_kabuli_chr07	33858100	CC	AA	1940418893
SNP_P1_153377_33858116	NC_021166.1	Ca_kabuli_chr07	33858116	CC	TT	1940418894
SNP_P1_153378_33858302	NC_021166.1	Ca_kabuli_chr07	33858302	CC	TT	1940418895
SNP_P1_153379_33858309	NC_021166.1	Ca_kabuli_chr07	33858309	CC	TT	1940418896
SNP_P1_153380_33858492	NC_021166.1	Ca_kabuli_chr07	33858492	TT	GG	1940418897
SNP_P1_153381_33858493	NC_021166.1	Ca_kabuli_chr07	33858493	CC	TT	1940418898
SNP_P1_153382_33858503	NC_021166.1	Ca_kabuli_chr07	33858503	CC	TT	1940418899
SNP_P1_153383_33858907	NC_021166.1	Ca_kabuli_chr07	33858907	TT	AA	1940418900
SNP_P1_153384_33859022	NC_021166.1	Ca_kabuli_chr07	33859022	CC	TT	1940418901
SNP_P1_153385_33859064	NC_021166.1	Ca_kabuli_chr07	33859064	CC	TT	1940418902
SNP_P1_153386_33859100	NC_021166.1	Ca_kabuli_chr07	33859100	GG	AA	1940418903
SNP_P1_153387_33859403	NC_021166.1	Ca_kabuli_chr07	33859403	CC	TT	1940418904
SNP_P1_153388_33859439	NC_021166.1	Ca_kabuli_chr07	33859439	TT	CC	1940418905
SNP_P1_153390_33859467	NC_021166.1	Ca_kabuli_chr07	33859467	AA	TT	1940418906
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SNP_P1_153392_33859879	NC_021166.1	Ca_kabuli_chr07	33859879	TT	CC	1940418908
SNP_P1_153393_33862184	NC_021166.1	Ca_kabuli_chr07	33862184	AA	GG	1940418909
SNP_P1_153394_33862273	NC_021166.1	Ca_kabuli_chr07	33862273	CC	GG	1940418910
SNP_P1_153395_33862502	NC_021166.1	Ca_kabuli_chr07	33862502	TT	CC	1940418911
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SNP_P1_153397_33863055	NC_021166.1	Ca_kabuli_chr07	33863055	AA	TT	1940418913

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153399_33863359	NC_021166.1	Ca_kabuli_chr07	33863359	GG	AA	1940418915
SNP_P1_153400_33863399	NC_021166.1	Ca_kabuli_chr07	33863399	GG	AA	1940418916
SNP_P1_153401_33863436	NC_021166.1	Ca_kabuli_chr07	33863436	GG	AA	1940418917
SNP_P1_153402_33863578	NC_021166.1	Ca_kabuli_chr07	33863578	GG	AA	1940418918
SNP_P1_153403_33863646	NC_021166.1	Ca_kabuli_chr07	33863646	GG	AA	1940418919
SNP_P1_153404_33863744	NC_021166.1	Ca_kabuli_chr07	33863744	AA	GG	1940418920
SNP_P1_153405_33863854	NC_021166.1	Ca_kabuli_chr07	33863854	GG	AA	1940418921
SNP_P1_153407_33866587	NC_021166.1	Ca_kabuli_chr07	33866587	CC	TT	1940418922
SNP_P1_153408_33866635	NC_021166.1	Ca_kabuli_chr07	33866635	GG	AA	1940418923
SNP_P1_153409_33866743	NC_021166.1	Ca_kabuli_chr07	33866743	AA	GG	1940418924
SNP_P1_153410_33866897	NC_021166.1	Ca_kabuli_chr07	33866897	CC	GG	1940418925
SNP_P1_153411_33866943	NC_021166.1	Ca_kabuli_chr07	33866943	TT	GG	1940418926
SNP_P1_153412_33867334	NC_021166.1	Ca_kabuli_chr07	33867334	TT	CC	1940418927
SNP_P1_153413_33867491	NC_021166.1	Ca_kabuli_chr07	33867491	TT	CC	1940418928
SNP_P1_153414_33867674	NC_021166.1	Ca_kabuli_chr07	33867674	TT	CC	1940418929
SNP_P1_153415_33868608	NC_021166.1	Ca_kabuli_chr07	33868608	CC	GG	1940418930
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SNP_P1_153422_33872309	NC_021166.1	Ca_kabuli_chr07	33872309	GG	AA	1940418936
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SNP_P1_153425_33873559	NC_021166.1	Ca_kabuli_chr07	33873559	TT	CC	1940418939
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SNP_P1_153427_33873666	NC_021166.1	Ca_kabuli_chr07	33873666	GG	CC	1940418941
SNP_P1_153428_33873699	NC_021166.1	Ca_kabuli_chr07	33873699	AA	TT	1940418942
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SNP_P1_153430_33873762	NC_021166.1	Ca_kabuli_chr07	33873762	CC	TT	1940418944
SNP_P1_153431_33873779	NC_021166.1	Ca_kabuli_chr07	33873779	AA	GG	1940418945
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SNP_P1_153433_33873924	NC_021166.1	Ca_kabuli_chr07	33873924	GG	TT	1940418947
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SNP_P1_153437_33879731	NC_021166.1	Ca_kabuli_chr07	33879731	CC	TT	1940418951
SNP_P1_153438_33879925	NC_021166.1	Ca_kabuli_chr07	33879925	AA	GG	1940418952
SNP_P1_153439_33880526	NC_021166.1	Ca_kabuli_chr07	33880526	GG	TT	1940418953
SNP_P1_153440_33880802	NC_021166.1	Ca_kabuli_chr07	33880802	AA	GG	1940418954
SNP_P1_153441_33880829	NC_021166.1	Ca_kabuli_chr07	33880829	TT	CC	1940418955

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153444_33880898	NC_021166.1	Ca_kabuli_chr07	33880898	GG	AA	1940418958
SNP_P1_153446_33881262	NC_021166.1	Ca_kabuli_chr07	33881262	CC	TT	1940418959
SNP_P1_153448_33881898	NC_021166.1	Ca_kabuli_chr07	33881898	TT	GG	1940418960
SNP_P1_153449_33885825	NC_021166.1	Ca_kabuli_chr07	33885825	AA	TT	1940418961
SNP_P1_153450_33885850	NC_021166.1	Ca_kabuli_chr07	33885850	AA	CC	1940418962
SNP_P1_153451_33886079	NC_021166.1	Ca_kabuli_chr07	33886079	AA	GG	1940418963
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SNP_P1_153453_33886131	NC_021166.1	Ca_kabuli_chr07	33886131	CC	TT	1940418965
SNP_P1_153455_33887309	NC_021166.1	Ca_kabuli_chr07	33887309	AA	GG	1940418966
SNP_P1_153456_33889085	NC_021166.1	Ca_kabuli_chr07	33889085	TT	AA	1940418967
SNP_P1_153457_33890081	NC_021166.1	Ca_kabuli_chr07	33890081	CC	TT	1940418968
SNP_P1_153458_33890109	NC_021166.1	Ca_kabuli_chr07	33890109	TT	CC	1940418969
SNP_P1_153459_33890537	NC_021166.1	Ca_kabuli_chr07	33890537	CC	AA	1940418970
SNP_P1_153461_33890769	NC_021166.1	Ca_kabuli_chr07	33890769	TT	AA	1940418971
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SNP_P1_153464_33891327	NC_021166.1	Ca_kabuli_chr07	33891327	TT	CC	1940418973
SNP_P1_153465_33891867	NC_021166.1	Ca_kabuli_chr07	33891867	CC	TT	1940418974
SNP_P1_153466_33891901	NC_021166.1	Ca_kabuli_chr07	33891901	TT	AA	1940418975
SNP_P1_153467_33892084	NC_021166.1	Ca_kabuli_chr07	33892084	AA	TT	1940418976
SNP_P1_153470_33895350	NC_021166.1	Ca_kabuli_chr07	33895350	AA	GG	1940418977
SNP_P1_153471_33895393	NC_021166.1	Ca_kabuli_chr07	33895393	AA	TT	1940418978
SNP_P1_153472_33899957	NC_021166.1	Ca_kabuli_chr07	33899957	CC	TT	1940418979
SNP_P1_153473_33900093	NC_021166.1	Ca_kabuli_chr07	33900093	TT	CC	1940418980
SNP_P1_153474_33900105	NC_021166.1	Ca_kabuli_chr07	33900105	TT	CC	1940418981
SNP_P1_153475_33900125	NC_021166.1	Ca_kabuli_chr07	33900125	GG	AA	1940418982
SNP_P1_153477_33900222	NC_021166.1	Ca_kabuli_chr07	33900222	GG	TT	1940418983
SNP_P1_153478_33900390	NC_021166.1	Ca_kabuli_chr07	33900390	AA	GG	1940418984
SNP_P1_153479_33900397	NC_021166.1	Ca_kabuli_chr07	33900397	GG	AA	1940418985
SNP_P1_153480_33900401	NC_021166.1	Ca_kabuli_chr07	33900401	AA	TT	1940418986
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SNP_P1_153484_33902652	NC_021166.1	Ca_kabuli_chr07	33902652	TT	GG	1940418989
SNP_P1_153485_33902672	NC_021166.1	Ca_kabuli_chr07	33902672	GG	AA	1940418990
SNP_P1_153486_33902681	NC_021166.1	Ca_kabuli_chr07	33902681	CC	TT	1940418991
SNP_P1_153488_33902750	NC_021166.1	Ca_kabuli_chr07	33902750	GG	AA	1940418992
SNP_P1_153489_33902762	NC_021166.1	Ca_kabuli_chr07	33902762	TT	CC	1940418993
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SNP_P1_153492_33902919	NC_021166.1	Ca_kabuli_chr07	33902919	AA	GG	1940418996
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153496_33905653	NC_021166.1	Ca_kabuli_chr07	33905653	TT	CC	1940419000
SNP_P1_153497_33905704	NC_021166.1	Ca_kabuli_chr07	33905704	TT	CC	1940419001
SNP_P1_153498_33905708	NC_021166.1	Ca_kabuli_chr07	33905708	CC	TT	1940419002
SNP_P1_153499_33905713	NC_021166.1	Ca_kabuli_chr07	33905713	AA	GG	1940419003
SNP_P1_153500_33905726	NC_021166.1	Ca_kabuli_chr07	33905726	AA	GG	1940419004
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SNP_P1_153505_33919356	NC_021166.1	Ca_kabuli_chr07	33919356	TT	AA	1940419009
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SNP_P1_153508_33922710	NC_021166.1	Ca_kabuli_chr07	33922710	TT	CC	1940419012
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SNP_P1_153526_34036690	NC_021166.1	Ca_kabuli_chr07	34036690	GG	TT	1940419030
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SNP_P1_153530_34080943	NC_021166.1	Ca_kabuli_chr07	34080943	TT	CC	1940419033
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SNP_P1_153533_34085132	NC_021166.1	Ca_kabuli_chr07	34085132	GG	AA	1940419036
SNP_P1_153534_34085289	NC_021166.1	Ca_kabuli_chr07	34085289	CC	TT	1940419037
SNP_P1_153535_34086986	NC_021166.1	Ca_kabuli_chr07	34086986	CC	TT	1940419038
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SNP_P1_153537_34087768	NC_021166.1	Ca_kabuli_chr07	34087768	TT	CC	1940419040

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153541_34108966	NC_021166.1	Ca_kabuli_chr07	34108966	GG	AA	1940419043
SNP_P1_153542_34109007	NC_021166.1	Ca_kabuli_chr07	34109007	CC	TT	1940419044
SNP_P1_153543_34109030	NC_021166.1	Ca_kabuli_chr07	34109030	AA	TT	1940419045
SNP_P1_153545_34110721	NC_021166.1	Ca_kabuli_chr07	34110721	TT	CC	1940419046
SNP_P1_153546_34110774	NC_021166.1	Ca_kabuli_chr07	34110774	TT	CC	1940419047
SNP_P1_153547_34110775	NC_021166.1	Ca_kabuli_chr07	34110775	GG	AA	1940419048
SNP_P1_153548_34112458	NC_021166.1	Ca_kabuli_chr07	34112458	CC	TT	1940419049
SNP_P1_153549_34114005	NC_021166.1	Ca_kabuli_chr07	34114005	CC	GG	1940419050
SNP_P1_153550_34116823	NC_021166.1	Ca_kabuli_chr07	34116823	TT	GG	1940419051
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SNP_P1_153561_34119782	NC_021166.1	Ca_kabuli_chr07	34119782	TT	AA	1940419062
SNP_P1_153562_34119787	NC_021166.1	Ca_kabuli_chr07	34119787	TT	GG	1940419063
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SNP_P1_153568_34133452	NC_021166.1	Ca_kabuli_chr07	34133452	AA	GG	1940419069
SNP_P1_153569_34134710	NC_021166.1	Ca_kabuli_chr07	34134710	TT	CC	1940419070
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SNP_P1_153572_34136200	NC_021166.1	Ca_kabuli_chr07	34136200	AA	GG	1940419072
SNP_P1_153574_34136786	NC_021166.1	Ca_kabuli_chr07	34136786	TT	GG	1940419073
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SNP_P1_153576_34136960	NC_021166.1	Ca_kabuli_chr07	34136960	TT	AA	1940419075
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SNP_P1_153579_34138326	NC_021166.1	Ca_kabuli_chr07	34138326	TT	AA	1940419077
SNP_P1_153581_34139893	NC_021166.1	Ca_kabuli_chr07	34139893	CC	TT	1940419078
SNP_P1_153582_34140964	NC_021166.1	Ca_kabuli_chr07	34140964	AA	GG	1940419079
SNP_P1_153583_34141457	NC_021166.1	Ca_kabuli_chr07	34141457	AA	TT	1940419080
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SNP_P1_153585_34141871	NC_021166.1	Ca_kabuli_chr07	34141871	AA	GG	1940419082

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153588_34142670	NC_021166.1	Ca_kabuli_chr07	34142670	AA	GG	1940419085
SNP_P1_153589_34142924	NC_021166.1	Ca_kabuli_chr07	34142924	CC	GG	1940419086
SNP_P1_153590_34144251	NC_021166.1	Ca_kabuli_chr07	34144251	CC	TT	1940419087
SNP_P1_153591_34144817	NC_021166.1	Ca_kabuli_chr07	34144817	CC	TT	1940419088
SNP_P1_153592_34145095	NC_021166.1	Ca_kabuli_chr07	34145095	TT	CC	1940419089
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SNP_P1_153594_34146101	NC_021166.1	Ca_kabuli_chr07	34146101	TT	GG	1940419091
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SNP_P1_153596_34146528	NC_021166.1	Ca_kabuli_chr07	34146528	GG	AA	1940419093
SNP_P1_153597_34146566	NC_021166.1	Ca_kabuli_chr07	34146566	AA	TT	1940419094
SNP_P1_153598_34146803	NC_021166.1	Ca_kabuli_chr07	34146803	GG	AA	1940419095
SNP_P1_153599_34148776	NC_021166.1	Ca_kabuli_chr07	34148776	CC	AA	1940419096
SNP_P1_153600_34149775	NC_021166.1	Ca_kabuli_chr07	34149775	GG	AA	1940419097
SNP_P1_153601_34149838	NC_021166.1	Ca_kabuli_chr07	34149838	TT	CC	1940419098
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SNP_P1_153609_34156889	NC_021166.1	Ca_kabuli_chr07	34156889	AA	GG	1940419103
SNP_P1_153610_34157055	NC_021166.1	Ca_kabuli_chr07	34157055	GG	AA	1940419104
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SNP_P1_153623_34158521	NC_021166.1	Ca_kabuli_chr07	34158521	AA	CC	1940419116
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SNP_P1_153627_34158661	NC_021166.1	Ca_kabuli_chr07	34158661	CC	TT	1940419120
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SNP_P1_153629_34158694	NC_021166.1	Ca_kabuli_chr07	34158694	CC	TT	1940419122
SNP_P1_153630_34158753	NC_021166.1	Ca_kabuli_chr07	34158753	TT	GG	1940419123
SNP_P1_153631_34158808	NC_021166.1	Ca_kabuli_chr07	34158808	CC	TT	1940419124

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153634_34158884	NC_021166.1	Ca_kabuli_chr07	34158884	GG	AA	1940419127
SNP_P1_153635_34158885	NC_021166.1	Ca_kabuli_chr07	34158885	AA	GG	1940419128
SNP_P1_153636_34158914	NC_021166.1	Ca_kabuli_chr07	34158914	TT	CC	1940419129
SNP_P1_153637_34159108	NC_021166.1	Ca_kabuli_chr07	34159108	TT	CC	1940419130
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SNP_P1_153643_34160674	NC_021166.1	Ca_kabuli_chr07	34160674	AA	CC	1940419135
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SNP_P1_153645_34160940	NC_021166.1	Ca_kabuli_chr07	34160940	AA	CC	1940419137
SNP_P1_153646_34160941	NC_021166.1	Ca_kabuli_chr07	34160941	AA	GG	1940419138
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SNP_P1_153651_34161103	NC_021166.1	Ca_kabuli_chr07	34161103	AA	TT	1940419142
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SNP_P1_153656_34161325	NC_021166.1	Ca_kabuli_chr07	34161325	GG	AA	1940419147
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SNP_P1_153661_34163282	NC_021166.1	Ca_kabuli_chr07	34163282	GG	AA	1940419151
SNP_P1_153662_34163672	NC_021166.1	Ca_kabuli_chr07	34163672	AA	GG	1940419152
SNP_P1_153663_34164459	NC_021166.1	Ca_kabuli_chr07	34164459	AA	TT	1940419153
SNP_P1_153665_34165029	NC_021166.1	Ca_kabuli_chr07	34165029	GG	CC	1940419154
SNP_P1_153666_34165285	NC_021166.1	Ca_kabuli_chr07	34165285	TT	CC	1940419155
SNP_P1_153667_34166218	NC_021166.1	Ca_kabuli_chr07	34166218	CC	GG	1940419156
SNP_P1_153668_34166663	NC_021166.1	Ca_kabuli_chr07	34166663	GG	TT	1940419157
SNP_P1_153669_34168180	NC_021166.1	Ca_kabuli_chr07	34168180	GG	AA	1940419158
SNP_P1_153670_34168487	NC_021166.1	Ca_kabuli_chr07	34168487	CC	TT	1940419159
SNP_P1_153671_34168790	NC_021166.1	Ca_kabuli_chr07	34168790	GG	AA	1940419160
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SNP_P1_153675_34169404	NC_021166.1	Ca_kabuli_chr07	34169404	CC	TT	1940419164
SNP_P1_153676_34169565	NC_021166.1	Ca_kabuli_chr07	34169565	GG	TT	1940419165
SNP_P1_153677_34170370	NC_021166.1	Ca_kabuli_chr07	34170370	TT	GG	1940419166
SNP_P1_153679_34170665	NC_021166.1	Ca_kabuli_chr07	34170665	AA	GG	1940419167

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153683_34170827	NC_021166.1	Ca_kabuli_chr07	34170827	CC	TT	1940419170
SNP_P1_153684_34170833	NC_021166.1	Ca_kabuli_chr07	34170833	CC	TT	1940419171
SNP_P1_153685_34170867	NC_021166.1	Ca_kabuli_chr07	34170867	CC	TT	1940419172
SNP_P1_153686_34171193	NC_021166.1	Ca_kabuli_chr07	34171193	AA	CC	1940419173
SNP_P1_153687_34171226	NC_021166.1	Ca_kabuli_chr07	34171226	GG	AA	1940419174
SNP_P1_153688_34172464	NC_021166.1	Ca_kabuli_chr07	34172464	AA	TT	1940419175
SNP_P1_153689_34172767	NC_021166.1	Ca_kabuli_chr07	34172767	GG	AA	1940419176
SNP_P1_153690_34172821	NC_021166.1	Ca_kabuli_chr07	34172821	CC	TT	1940419177
SNP_P1_153691_34172844	NC_021166.1	Ca_kabuli_chr07	34172844	AA	GG	1940419178
SNP_P1_153692_34172892	NC_021166.1	Ca_kabuli_chr07	34172892	AA	GG	1940419179
SNP_P1_153693_34172923	NC_021166.1	Ca_kabuli_chr07	34172923	GG	AA	1940419180
SNP_P1_153695_34173177	NC_021166.1	Ca_kabuli_chr07	34173177	GG	TT	1940419181
SNP_P1_153696_34173184	NC_021166.1	Ca_kabuli_chr07	34173184	CC	TT	1940419182
SNP_P1_153697_34173214	NC_021166.1	Ca_kabuli_chr07	34173214	CC	TT	1940419183
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SNP_P1_153703_34173876	NC_021166.1	Ca_kabuli_chr07	34173876	GG	AA	1940419188
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SNP_P1_153711_34174491	NC_021166.1	Ca_kabuli_chr07	34174491	GG	AA	1940419195
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SNP_P1_153713_34174521	NC_021166.1	Ca_kabuli_chr07	34174521	GG	AA	1940419197
SNP_P1_153714_34174552	NC_021166.1	Ca_kabuli_chr07	34174552	TT	CC	1940419198
SNP_P1_153715_34174573	NC_021166.1	Ca_kabuli_chr07	34174573	TT	AA	1940419199
SNP_P1_153716_34174876	NC_021166.1	Ca_kabuli_chr07	34174876	TT	CC	1940419200
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SNP_P1_153718_34176289	NC_021166.1	Ca_kabuli_chr07	34176289	GG	TT	1940419202
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SNP_P1_153720_34176304	NC_021166.1	Ca_kabuli_chr07	34176304	AA	CC	1940419204
SNP_P1_153721_34176305	NC_021166.1	Ca_kabuli_chr07	34176305	TT	GG	1940419205
SNP_P1_153723_34176367	NC_021166.1	Ca_kabuli_chr07	34176367	GG	TT	1940419206
SNP_P1_153724_34176369	NC_021166.1	Ca_kabuli_chr07	34176369	TT	AA	1940419207
SNP_P1_153725_34176684	NC_021166.1	Ca_kabuli_chr07	34176684	AA	GG	1940419208
SNP_P1_153726_34176703	NC_021166.1	Ca_kabuli_chr07	34176703	TT	AA	1940419209

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153731_34176863	NC_021166.1	Ca_kabuli_chr07	34176863	CC	TT	1940419212
SNP_P1_153732_34176875	NC_021166.1	Ca_kabuli_chr07	34176875	AA	GG	1940419213
SNP_P1_153733_34176879	NC_021166.1	Ca_kabuli_chr07	34176879	GG	TT	1940419214
SNP_P1_153734_34176889	NC_021166.1	Ca_kabuli_chr07	34176889	GG	AA	1940419215
SNP_P1_153735_34176909	NC_021166.1	Ca_kabuli_chr07	34176909	AA	GG	1940419216
SNP_P1_153736_34176917	NC_021166.1	Ca_kabuli_chr07	34176917	AA	GG	1940419217
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SNP_P1_153738_34177078	NC_021166.1	Ca_kabuli_chr07	34177078	TT	CC	1940419219
SNP_P1_153739_34177111	NC_021166.1	Ca_kabuli_chr07	34177111	GG	AA	1940419220
SNP_P1_153740_34177125	NC_021166.1	Ca_kabuli_chr07	34177125	AA	GG	1940419221
SNP_P1_153741_34177167	NC_021166.1	Ca_kabuli_chr07	34177167	AA	GG	1940419222
SNP_P1_153742_34177183	NC_021166.1	Ca_kabuli_chr07	34177183	GG	AA	1940419223
SNP_P1_153743_34177516	NC_021166.1	Ca_kabuli_chr07	34177516	AA	GG	1940419224
SNP_P1_153744_34177530	NC_021166.1	Ca_kabuli_chr07	34177530	GG	TT	1940419225
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SNP_P1_153747_34177584	NC_021166.1	Ca_kabuli_chr07	34177584	AA	GG	1940419228
SNP_P1_153748_34177629	NC_021166.1	Ca_kabuli_chr07	34177629	AA	CC	1940419229
SNP_P1_153749_34177630	NC_021166.1	Ca_kabuli_chr07	34177630	TT	CC	1940419230
SNP_P1_153750_34177635	NC_021166.1	Ca_kabuli_chr07	34177635	TT	CC	1940419231
SNP_P1_153751_34177815	NC_021166.1	Ca_kabuli_chr07	34177815	CC	TT	1940419232
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SNP_P1_153761_34178222	NC_021166.1	Ca_kabuli_chr07	34178222	CC	GG	1940419241
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SNP_P1_153763_34178393	NC_021166.1	Ca_kabuli_chr07	34178393	TT	CC	1940419243
SNP_P1_153765_34180359	NC_021166.1	Ca_kabuli_chr07	34180359	AA	GG	1940419244
SNP_P1_153766_34180597	NC_021166.1	Ca_kabuli_chr07	34180597	AA	GG	1940419245
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SNP_P1_153768_34182514	NC_021166.1	Ca_kabuli_chr07	34182514	AA	TT	1940419247
SNP_P1_153769_34182996	NC_021166.1	Ca_kabuli_chr07	34182996	GG	AA	1940419248
SNP_P1_153770_34183011	NC_021166.1	Ca_kabuli_chr07	34183011	TT	CC	1940419249
SNP_P1_153771_34183024	NC_021166.1	Ca_kabuli_chr07	34183024	AA	GG	1940419250
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153775_34183802	NC_021166.1	Ca_kabuli_chr07	34183802	CC	TT	1940419254
SNP_P1_153776_34183803	NC_021166.1	Ca_kabuli_chr07	34183803	TT	AA	1940419255
SNP_P1_153777_34183813	NC_021166.1	Ca_kabuli_chr07	34183813	AA	GG	1940419256
SNP_P1_153778_34183867	NC_021166.1	Ca_kabuli_chr07	34183867	AA	GG	1940419257
SNP_P1_153779_34183901	NC_021166.1	Ca_kabuli_chr07	34183901	CC	TT	1940419258
SNP_P1_153780_34184152	NC_021166.1	Ca_kabuli_chr07	34184152	TT	CC	1940419259
SNP_P1_153781_34184160	NC_021166.1	Ca_kabuli_chr07	34184160	CC	TT	1940419260
SNP_P1_153783_34184672	NC_021166.1	Ca_kabuli_chr07	34184672	CC	AA	1940419261
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SNP_P1_153785_34186394	NC_021166.1	Ca_kabuli_chr07	34186394	CC	TT	1940419263
SNP_P1_153786_34186600	NC_021166.1	Ca_kabuli_chr07	34186600	AA	GG	1940419264
SNP_P1_153789_34187645	NC_021166.1	Ca_kabuli_chr07	34187645	AA	GG	1940419265
SNP_P1_153790_34187675	NC_021166.1	Ca_kabuli_chr07	34187675	GG	TT	1940419266
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SNP_P1_153810_34200071	NC_021166.1	Ca_kabuli_chr07	34200071	CC	AA	1940419281
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SNP_P1_153816_34205322	NC_021166.1	Ca_kabuli_chr07	34205322	TT	AA	1940419286
SNP_P1_153818_34205488	NC_021166.1	Ca_kabuli_chr07	34205488	GG	AA	1940419287
SNP_P1_153820_34206216	NC_021166.1	Ca_kabuli_chr07	34206216	GG	CC	1940419288
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SNP_P1_153822_34211456	NC_021166.1	Ca_kabuli_chr07	34211456	GG	AA	1940419290
SNP_P1_153823_34211501	NC_021166.1	Ca_kabuli_chr07	34211501	CC	TT	1940419291
SNP_P1_153824_34211513	NC_021166.1	Ca_kabuli_chr07	34211513	TT	CC	1940419292
SNP_P1_153825_34211571	NC_021166.1	Ca_kabuli_chr07	34211571	AA	CC	1940419293

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153828_34211586	NC_021166.1	Ca_kabuli_chr07	34211586	TT	CC	1940419296
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SNP_P1_153830_34211640	NC_021166.1	Ca_kabuli_chr07	34211640	CC	AA	1940419298
SNP_P1_153831_34211769	NC_021166.1	Ca_kabuli_chr07	34211769	TT	CC	1940419299
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SNP_P1_153840_34214047	NC_021166.1	Ca_kabuli_chr07	34214047	GG	AA	1940419307
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SNP_P1_153850_34218096	NC_021166.1	Ca_kabuli_chr07	34218096	GG	AA	1940419316
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SNP_P1_153858_34222576	NC_021166.1	Ca_kabuli_chr07	34222576	GG	AA	1940419323
SNP_P1_153863_34226137	NC_021166.1	Ca_kabuli_chr07	34226137	TT	CC	1940419324
SNP_P1_153864_34226325	NC_021166.1	Ca_kabuli_chr07	34226325	TT	CC	1940419325
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SNP_P1_153867_34226463	NC_021166.1	Ca_kabuli_chr07	34226463	GG	CC	1940419328
SNP_P1_153868_34226776	NC_021166.1	Ca_kabuli_chr07	34226776	CC	TT	1940419329
SNP_P1_153869_34227564	NC_021166.1	Ca_kabuli_chr07	34227564	AA	GG	1940419330
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SNP_P1_153871_34230770	NC_021166.1	Ca_kabuli_chr07	34230770	TT	GG	1940419332
SNP_P1_153872_34231005	NC_021166.1	Ca_kabuli_chr07	34231005	TT	AA	1940419333
SNP_P1_153873_34231885	NC_021166.1	Ca_kabuli_chr07	34231885	CC	AA	1940419334
SNP_P1_153874_34232016	NC_021166.1	Ca_kabuli_chr07	34232016	AA	GG	1940419335
SNP_P1_153875_34232259	NC_021166.1	Ca_kabuli_chr07	34232259	AA	GG	1940419336

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153877_34232457	NC_021166.1	Ca_kabuli_chr07	34232457	AA	GG	1940419338
SNP_P1_153878_34232507	NC_021166.1	Ca_kabuli_chr07	34232507	TT	GG	1940419339
SNP_P1_153879_34232552	NC_021166.1	Ca_kabuli_chr07	34232552	AA	CC	1940419340
SNP_P1_153880_34235012	NC_021166.1	Ca_kabuli_chr07	34235012	TT	CC	1940419341
SNP_P1_153881_34237121	NC_021166.1	Ca_kabuli_chr07	34237121	AA	GG	1940419342
SNP_P1_153883_34237772	NC_021166.1	Ca_kabuli_chr07	34237772	TT	AA	1940419343
SNP_P1_153884_34237832	NC_021166.1	Ca_kabuli_chr07	34237832	AA	TT	1940419344
SNP_P1_153885_34238288	NC_021166.1	Ca_kabuli_chr07	34238288	TT	CC	1940419345
SNP_P1_153887_34238550	NC_021166.1	Ca_kabuli_chr07	34238550	AA	GG	1940419346
SNP_P1_153888_34238644	NC_021166.1	Ca_kabuli_chr07	34238644	AA	GG	1940419347
SNP_P1_153889_34238745	NC_021166.1	Ca_kabuli_chr07	34238745	AA	TT	1940419348
SNP_P1_153890_34238749	NC_021166.1	Ca_kabuli_chr07	34238749	GG	CC	1940419349
SNP_P1_153891_34238769	NC_021166.1	Ca_kabuli_chr07	34238769	AA	GG	1940419350
SNP_P1_153892_34238779	NC_021166.1	Ca_kabuli_chr07	34238779	TT	CC	1940419351
SNP_P1_153894_34239311	NC_021166.1	Ca_kabuli_chr07	34239311	AA	GG	1940419352
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SNP_P1_153900_34239877	NC_021166.1	Ca_kabuli_chr07	34239877	CC	TT	1940419355
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SNP_P1_153902_34240408	NC_021166.1	Ca_kabuli_chr07	34240408	AA	TT	1940419357
SNP_P1_153903_34240646	NC_021166.1	Ca_kabuli_chr07	34240646	AA	GG	1940419358
SNP_P1_153904_34240878	NC_021166.1	Ca_kabuli_chr07	34240878	GG	AA	1940419359
SNP_P1_153906_34241394	NC_021166.1	Ca_kabuli_chr07	34241394	AA	CC	1940419360
SNP_P1_153907_34241469	NC_021166.1	Ca_kabuli_chr07	34241469	GG	AA	1940419361
SNP_P1_153909_34241523	NC_021166.1	Ca_kabuli_chr07	34241523	TT	CC	1940419362
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SNP_P1_153911_34241674	NC_021166.1	Ca_kabuli_chr07	34241674	TT	AA	1940419364
SNP_P1_153912_34241675	NC_021166.1	Ca_kabuli_chr07	34241675	TT	AA	1940419365
SNP_P1_153913_34241711	NC_021166.1	Ca_kabuli_chr07	34241711	TT	CC	1940419366
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SNP_P1_153917_34241918	NC_021166.1	Ca_kabuli_chr07	34241918	TT	GG	1940419370
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SNP_P1_153919_34242901	NC_021166.1	Ca_kabuli_chr07	34242901	AA	GG	1940419372
SNP_P1_153920_34242930	NC_021166.1	Ca_kabuli_chr07	34242930	AA	GG	1940419373
SNP_P1_153921_34243282	NC_021166.1	Ca_kabuli_chr07	34243282	AA	GG	1940419374
SNP_P1_153923_34243294	NC_021166.1	Ca_kabuli_chr07	34243294	TT	GG	1940419375
SNP_P1_153924_34243489	NC_021166.1	Ca_kabuli_chr07	34243489	TT	GG	1940419376
SNP_P1_153925_34243617	NC_021166.1	Ca_kabuli_chr07	34243617	GG	AA	1940419377
SNP_P1_153926_34243638	NC_021166.1	Ca_kabuli_chr07	34243638	TT	CC	1940419378

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153928_34243677	NC_021166.1	Ca_kabuli_chr07	34243677	TT	GG	1940419380
SNP_P1_153929_34243792	NC_021166.1	Ca_kabuli_chr07	34243792	CC	TT	1940419381
SNP_P1_153930_34245938	NC_021166.1	Ca_kabuli_chr07	34245938	AA	GG	1940419382
SNP_P1_153931_34246491	NC_021166.1	Ca_kabuli_chr07	34246491	AA	GG	1940419383
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SNP_P1_153933_34248479	NC_021166.1	Ca_kabuli_chr07	34248479	GG	CC	1940419385
SNP_P1_153934_34249007	NC_021166.1	Ca_kabuli_chr07	34249007	TT	GG	1940419386
SNP_P1_153935_34249299	NC_021166.1	Ca_kabuli_chr07	34249299	GG	TT	1940419387
SNP_P1_153936_34249541	NC_021166.1	Ca_kabuli_chr07	34249541	CC	TT	1940419388
SNP_P1_153937_34249545	NC_021166.1	Ca_kabuli_chr07	34249545	CC	TT	1940419389
SNP_P1_153938_34249764	NC_021166.1	Ca_kabuli_chr07	34249764	TT	GG	1940419390
SNP_P1_153939_34250847	NC_021166.1	Ca_kabuli_chr07	34250847	TT	CC	1940419391
SNP_P1_153940_34250953	NC_021166.1	Ca_kabuli_chr07	34250953	GG	CC	1940419392
SNP_P1_153941_34251151	NC_021166.1	Ca_kabuli_chr07	34251151	AA	TT	1940419393
SNP_P1_153943_34251242	NC_021166.1	Ca_kabuli_chr07	34251242	TT	CC	1940419394
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SNP_P1_153947_34251903	NC_021166.1	Ca_kabuli_chr07	34251903	GG	AA	1940419397
SNP_P1_153948_34253193	NC_021166.1	Ca_kabuli_chr07	34253193	GG	AA	1940419398
SNP_P1_153949_34253308	NC_021166.1	Ca_kabuli_chr07	34253308	CC	TT	1940419399
SNP_P1_153950_34253312	NC_021166.1	Ca_kabuli_chr07	34253312	CC	GG	1940419400
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SNP_P1_153952_34254608	NC_021166.1	Ca_kabuli_chr07	34254608	CC	TT	1940419402
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SNP_P1_153961_34256685	NC_021166.1	Ca_kabuli_chr07	34256685	AA	GG	1940419410
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SNP_P1_153965_34256924	NC_021166.1	Ca_kabuli_chr07	34256924	TT	CC	1940419414
SNP_P1_153966_34256988	NC_021166.1	Ca_kabuli_chr07	34256988	CC	TT	1940419415
SNP_P1_153967_34256993	NC_021166.1	Ca_kabuli_chr07	34256993	TT	CC	1940419416
SNP_P1_153968_34258707	NC_021166.1	Ca_kabuli_chr07	34258707	AA	GG	1940419417
SNP_P1_153969_34258725	NC_021166.1	Ca_kabuli_chr07	34258725	TT	GG	1940419418
SNP_P1_153971_34260597	NC_021166.1	Ca_kabuli_chr07	34260597	AA	CC	1940419419
SNP_P1_153972_34261305	NC_021166.1	Ca_kabuli_chr07	34261305	TT	GG	1940419420

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_153974_34261794	NC_021166.1	Ca_kabuli_chr07	34261794	TT	GG	1940419422
SNP_P1_153975_34262053	NC_021166.1	Ca_kabuli_chr07	34262053	CC	TT	1940419423
SNP_P1_153976_34263215	NC_021166.1	Ca_kabuli_chr07	34263215	CC	TT	1940419424
SNP_P1_153977_34263486	NC_021166.1	Ca_kabuli_chr07	34263486	GG	AA	1940419425
SNP_P1_153978_34265622	NC_021166.1	Ca_kabuli_chr07	34265622	CC	AA	1940419426
SNP_P1_153979_34265772	NC_021166.1	Ca_kabuli_chr07	34265772	TT	GG	1940419427
SNP_P1_153980_34265788	NC_021166.1	Ca_kabuli_chr07	34265788	CC	TT	1940419428
SNP_P1_153981_34265850	NC_021166.1	Ca_kabuli_chr07	34265850	GG	TT	1940419429
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SNP_P1_153983_34265966	NC_021166.1	Ca_kabuli_chr07	34265966	TT	GG	1940419431
SNP_P1_153984_34266180	NC_021166.1	Ca_kabuli_chr07	34266180	CC	GG	1940419432
SNP_P1_153986_34266858	NC_021166.1	Ca_kabuli_chr07	34266858	TT	CC	1940419433
SNP_P1_153987_34266901	NC_021166.1	Ca_kabuli_chr07	34266901	AA	TT	1940419434
SNP_P1_153988_34266919	NC_021166.1	Ca_kabuli_chr07	34266919	GG	TT	1940419435
SNP_P1_153989_34266976	NC_021166.1	Ca_kabuli_chr07	34266976	TT	AA	1940419436
SNP_P1_153990_34267026	NC_021166.1	Ca_kabuli_chr07	34267026	GG	TT	1940419437
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SNP_P1_153993_34267870	NC_021166.1	Ca_kabuli_chr07	34267870	CC	TT	1940419440
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SNP_P1_154010_34277102	NC_021166.1	Ca_kabuli_chr07	34277102	CC	AA	1940419453
SNP_P1_154013_34277639	NC_021166.1	Ca_kabuli_chr07	34277639	AA	GG	1940419454
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SNP_P1_154018_34277824	NC_021166.1	Ca_kabuli_chr07	34277824	GG	AA	1940419459
SNP_P1_154019_34277950	NC_021166.1	Ca_kabuli_chr07	34277950	TT	CC	1940419460
SNP_P1_154020_34277961	NC_021166.1	Ca_kabuli_chr07	34277961	CC	TT	1940419461
SNP_P1_154021_34278030	NC_021166.1	Ca_kabuli_chr07	34278030	AA	GG	1940419462

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154024_34278198	NC_021166.1	Ca_kabuli_chr07	34278198	AA	GG	1940419465
SNP_P1_154026_34278246	NC_021166.1	Ca_kabuli_chr07	34278246	AA	GG	1940419466
SNP_P1_154027_34278429	NC_021166.1	Ca_kabuli_chr07	34278429	GG	AA	1940419467
SNP_P1_154030_34278823	NC_021166.1	Ca_kabuli_chr07	34278823	TT	AA	1940419468
SNP_P1_154032_34279673	NC_021166.1	Ca_kabuli_chr07	34279673	AA	GG	1940419469
SNP_P1_154033_34279907	NC_021166.1	Ca_kabuli_chr07	34279907	CC	AA	1940419470
SNP_P1_154034_34279919	NC_021166.1	Ca_kabuli_chr07	34279919	CC	TT	1940419471
SNP_P1_154035_34281507	NC_021166.1	Ca_kabuli_chr07	34281507	TT	CC	1940419472
SNP_P1_154036_34281515	NC_021166.1	Ca_kabuli_chr07	34281515	TT	CC	1940419473
SNP_P1_154037_34281988	NC_021166.1	Ca_kabuli_chr07	34281988	CC	TT	1940419474
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SNP_P1_154041_34283981	NC_021166.1	Ca_kabuli_chr07	34283981	GG	AA	1940419477
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SNP_P1_154046_34284092	NC_021166.1	Ca_kabuli_chr07	34284092	AA	GG	1940419480
SNP_P1_154047_34284390	NC_021166.1	Ca_kabuli_chr07	34284390	AA	GG	1940419481
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SNP_P1_154051_34285790	NC_021166.1	Ca_kabuli_chr07	34285790	CC	TT	1940419483
SNP_P1_154052_34285819	NC_021166.1	Ca_kabuli_chr07	34285819	AA	TT	1940419484
SNP_P1_154053_34285826	NC_021166.1	Ca_kabuli_chr07	34285826	AA	TT	1940419485
SNP_P1_154055_34286443	NC_021166.1	Ca_kabuli_chr07	34286443	AA	GG	1940419486
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SNP_P1_154060_34287521	NC_021166.1	Ca_kabuli_chr07	34287521	GG	AA	1940419489
SNP_P1_154061_34288431	NC_021166.1	Ca_kabuli_chr07	34288431	AA	GG	1940419490
SNP_P1_154062_34288874	NC_021166.1	Ca_kabuli_chr07	34288874	GG	TT	1940419491
SNP_P1_154064_34289543	NC_021166.1	Ca_kabuli_chr07	34289543	GG	AA	1940419492
SNP_P1_154065_34289736	NC_021166.1	Ca_kabuli_chr07	34289736	TT	GG	1940419493
SNP_P1_154066_34291683	NC_021166.1	Ca_kabuli_chr07	34291683	CC	AA	1940419494
SNP_P1_154067_34291790	NC_021166.1	Ca_kabuli_chr07	34291790	TT	CC	1940419495
SNP_P1_154068_34292195	NC_021166.1	Ca_kabuli_chr07	34292195	TT	CC	1940419496
SNP_P1_154069_34293008	NC_021166.1	Ca_kabuli_chr07	34293008	GG	AA	1940419497
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SNP_P1_154076_34295536	NC_021166.1	Ca_kabuli_chr07	34295536	GG	AA	1940419502
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SNP_P1_154078_34295544	NC_021166.1	Ca_kabuli_chr07	34295544	GG	TT	1940419504
SNP_P1_154079_34295545	NC_021166.1	Ca_kabuli_chr07	34295545	AA	TT	1940419505

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_154080_34295580	NC_021166.1	Ca_kabuli_chr07	34295580	AA	GG	1940419506
SNP_P1_154081_34295603	NC_021166.1	Ca_kabuli_chr07	34295603	CC	TT	1940419507
SNP_P1_154082_34296549	NC_021166.1	Ca_kabuli_chr07	34296549	AA	GG	1940419508
SNP_P1_154083_34296558	NC_021166.1	Ca_kabuli_chr07	34296558	GG	AA	1940419509
SNP_P1_154085_34296799	NC_021166.1	Ca_kabuli_chr07	34296799	CC	TT	1940419510
SNP_P1_154086_34296840	NC_021166.1	Ca_kabuli_chr07	34296840	CC	GG	1940419511
SNP_P1_154087_34297634	NC_021166.1	Ca_kabuli_chr07	34297634	CC	TT	1940419512
SNP_P1_154088_34298241	NC_021166.1	Ca_kabuli_chr07	34298241	GG	AA	1940419513
SNP_P1_154089_34298270	NC_021166.1	Ca_kabuli_chr07	34298270	AA	GG	1940419514
SNP_P1_154090_34299119	NC_021166.1	Ca_kabuli_chr07	34299119	TT	AA	1940419515
SNP_P1_154091_34300232	NC_021166.1	Ca_kabuli_chr07	34300232	GG	AA	1940419516
SNP_P1_154092_34300258	NC_021166.1	Ca_kabuli_chr07	34300258	TT	AA	1940419517
SNP_P1_154094_34300515	NC_021166.1	Ca_kabuli_chr07	34300515	AA	TT	1940419518
SNP_P1_154095_34300743	NC_021166.1	Ca_kabuli_chr07	34300743	CC	AA	1940419519
SNP_P1_154096_34300744	NC_021166.1	Ca_kabuli_chr07	34300744	AA	TT	1940419520
SNP_P1_154097_34302083	NC_021166.1	Ca_kabuli_chr07	34302083	TT	CC	1940419521
SNP_P1_154098_34302092	NC_021166.1	Ca_kabuli_chr07	34302092	CC	TT	1940419522
SNP_P1_154099_34302389	NC_021166.1	Ca_kabuli_chr07	34302389	GG	AA	1940419523
SNP_P1_154100_34302411	NC_021166.1	Ca_kabuli_chr07	34302411	GG	AA	1940419524
SNP_P1_154101_34302446	NC_021166.1	Ca_kabuli_chr07	34302446	GG	AA	1940419525
SNP_P1_154102_34302473	NC_021166.1	Ca_kabuli_chr07	34302473	CC	TT	1940419526
SNP_P1_154103_34302737	NC_021166.1	Ca_kabuli_chr07	34302737	CC	TT	1940419527
SNP_P1_154104_34303012	NC_021166.1	Ca_kabuli_chr07	34303012	AA	GG	1940419528
SNP_P1_154105_34303018	NC_021166.1	Ca_kabuli_chr07	34303018	GG	AA	1940419529
SNP_P1_154106_34303029	NC_021166.1	Ca_kabuli_chr07	34303029	TT	CC	1940419530
SNP_P1_154107_34303040	NC_021166.1	Ca_kabuli_chr07	34303040	AA	CC	1940419531
SNP_P1_154108_34303061	NC_021166.1	Ca_kabuli_chr07	34303061	CC	TT	1940419532
SNP_P1_154109_34303073	NC_021166.1	Ca_kabuli_chr07	34303073	CC	TT	1940419533
SNP_P1_154110_34303097	NC_021166.1	Ca_kabuli_chr07	34303097	AA	GG	1940419534
SNP_P1_154111_34303099	NC_021166.1	Ca_kabuli_chr07	34303099	TT	CC	1940419535
SNP_P1_154112_34303101	NC_021166.1	Ca_kabuli_chr07	34303101	TT	CC	1940419536
SNP_P1_154114_34303218	NC_021166.1	Ca_kabuli_chr07	34303218	GG	AA	1940419537
SNP_P1_154115_34303659	NC_021166.1	Ca_kabuli_chr07	34303659	AA	GG	1940419538
SNP_P1_154116_34303675	NC_021166.1	Ca_kabuli_chr07	34303675	AA	GG	1940419539
SNP_P1_154117_34303720	NC_021166.1	Ca_kabuli_chr07	34303720	CC	TT	1940419540
SNP_P1_154119_34305279	NC_021166.1	Ca_kabuli_chr07	34305279	CC	TT	1940419541
SNP_P1_154121_34305656	NC_021166.1	Ca_kabuli_chr07	34305656	CC	TT	1940419542
SNP_P1_154122_34306019	NC_021166.1	Ca_kabuli_chr07	34306019	TT	CC	1940419543
SNP_P1_154123_34306024	NC_021166.1	Ca_kabuli_chr07	34306024	GG	CC	1940419544
SNP_P1_154124_34306026	NC_021166.1	Ca_kabuli_chr07	34306026	AA	GG	1940419545
SNP_P1_154125_34306046	NC_021166.1	Ca_kabuli_chr07	34306046	GG	TT	1940419546
SNP_P1_154126_34306376	NC_021166.1	Ca_kabuli_chr07	34306376	AA	GG	1940419547

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_154127_34306419	NC_021166.1	Ca_kabuli_chr07	34306419	TT	CC	1940419548
SNP_P1_154128_34306727	NC_021166.1	Ca_kabuli_chr07	34306727	GG	AA	1940419549
SNP_P1_154129_34306810	NC_021166.1	Ca_kabuli_chr07	34306810	GG	AA	1940419550
SNP_P1_154130_34307163	NC_021166.1	Ca_kabuli_chr07	34307163	GG	TT	1940419551
SNP_P1_154131_34307206	NC_021166.1	Ca_kabuli_chr07	34307206	TT	CC	1940419552
SNP_P1_154132_34307275	NC_021166.1	Ca_kabuli_chr07	34307275	GG	AA	1940419553
SNP_P1_154133_34307296	NC_021166.1	Ca_kabuli_chr07	34307296	GG	AA	1940419554
SNP_P1_154134_34307316	NC_021166.1	Ca_kabuli_chr07	34307316	GG	AA	1940419555
SNP_P1_154135_34307347	NC_021166.1	Ca_kabuli_chr07	34307347	AA	GG	1940419556
SNP_P1_154136_34307368	NC_021166.1	Ca_kabuli_chr07	34307368	CC	AA	1940419557
SNP_P1_154137_34307692	NC_021166.1	Ca_kabuli_chr07	34307692	AA	GG	1940419558
SNP_P1_154138_34307693	NC_021166.1	Ca_kabuli_chr07	34307693	TT	CC	1940419559
SNP_P1_154139_34307705	NC_021166.1	Ca_kabuli_chr07	34307705	GG	AA	1940419560
SNP_P1_154140_34309387	NC_021166.1	Ca_kabuli_chr07	34309387	TT	CC	1940419561
SNP_P1_154141_34309389	NC_021166.1	Ca_kabuli_chr07	34309389	AA	GG	1940419562
SNP_P1_154142_34309437	NC_021166.1	Ca_kabuli_chr07	34309437	CC	TT	1940419563
SNP_P1_154144_34310991	NC_021166.1	Ca_kabuli_chr07	34310991	TT	CC	1940419564
SNP_P1_154145_34311009	NC_021166.1	Ca_kabuli_chr07	34311009	TT	GG	1940419565
SNP_P1_154146_34311023	NC_021166.1	Ca_kabuli_chr07	34311023	AA	GG	1940419566
SNP_P1_154147_34311211	NC_021166.1	Ca_kabuli_chr07	34311211	TT	CC	1940419567
SNP_P1_154148_34311216	NC_021166.1	Ca_kabuli_chr07	34311216	TT	CC	1940419568
SNP_P1_154149_34311217	NC_021166.1	Ca_kabuli_chr07	34311217	AA	TT	1940419569
SNP_P1_154150_34311234	NC_021166.1	Ca_kabuli_chr07	34311234	CC	TT	1940419570
SNP_P1_154151_34311297	NC_021166.1	Ca_kabuli_chr07	34311297	TT	AA	1940419571
SNP_P1_154152_34311824	NC_021166.1	Ca_kabuli_chr07	34311824	GG	AA	1940419572
SNP_P1_154153_34312060	NC_021166.1	Ca_kabuli_chr07	34312060	AA	GG	1940419573
SNP_P1_154154_34312092	NC_021166.1	Ca_kabuli_chr07	34312092	AA	GG	1940419574
SNP_P1_154156_34312212	NC_021166.1	Ca_kabuli_chr07	34312212	GG	AA	1940419575
SNP_P1_154157_34312236	NC_021166.1	Ca_kabuli_chr07	34312236	GG	AA	1940419576
SNP_P1_154158_34312268	NC_021166.1	Ca_kabuli_chr07	34312268	TT	CC	1940419577
SNP_P1_154160_34312346	NC_021166.1	Ca_kabuli_chr07	34312346	CC	AA	1940419578
SNP_P1_154163_34312486	NC_021166.1	Ca_kabuli_chr07	34312486	GG	AA	1940419579
SNP_P1_154164_34312625	NC_021166.1	Ca_kabuli_chr07	34312625	CC	GG	1940419580
SNP_P1_154166_34312823	NC_021166.1	Ca_kabuli_chr07	34312823	GG	AA	1940419581
SNP_P1_154167_34312993	NC_021166.1	Ca_kabuli_chr07	34312993	TT	CC	1940419582
SNP_P1_154168_34313116	NC_021166.1	Ca_kabuli_chr07	34313116	TT	CC	1940419583
SNP_P1_154170_34313322	NC_021166.1	Ca_kabuli_chr07	34313322	AA	GG	1940419584
SNP_P1_154171_34313455	NC_021166.1	Ca_kabuli_chr07	34313455	CC	AA	1940419585
SNP_P1_154173_34313523	NC_021166.1	Ca_kabuli_chr07	34313523	GG	AA	1940419586
SNP_P1_154175_34313655	NC_021166.1	Ca_kabuli_chr07	34313655	TT	AA	1940419587
SNP_P1_154176_34313662	NC_021166.1	Ca_kabuli_chr07	34313662	AA	TT	1940419588
SNP_P1_154177_34313765	NC_021166.1	Ca_kabuli_chr07	34313765	AA	TT	1940419589

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_154178_34313797	NC_021166.1	Ca_kabuli_chr07	34313797	TT	AA	1940419590
SNP_P1_154179_34313810	NC_021166.1	Ca_kabuli_chr07	34313810	CC	TT	1940419591
SNP_P1_154180_34314131	NC_021166.1	Ca_kabuli_chr07	34314131	CC	AA	1940419592
SNP_P1_154181_34314158	NC_021166.1	Ca_kabuli_chr07	34314158	CC	TT	1940419593
SNP_P1_154182_34314516	NC_021166.1	Ca_kabuli_chr07	34314516	GG	TT	1940419594
SNP_P1_154184_34314593	NC_021166.1	Ca_kabuli_chr07	34314593	AA	GG	1940419595
SNP_P1_154185_34314594	NC_021166.1	Ca_kabuli_chr07	34314594	TT	CC	1940419596
SNP_P1_154186_34314834	NC_021166.1	Ca_kabuli_chr07	34314834	CC	TT	1940419597
SNP_P1_154187_34314840	NC_021166.1	Ca_kabuli_chr07	34314840	TT	CC	1940419598
SNP_P1_154188_34315616	NC_021166.1	Ca_kabuli_chr07	34315616	TT	CC	1940419599
SNP_P1_154189_34315950	NC_021166.1	Ca_kabuli_chr07	34315950	CC	TT	1940419600
SNP_P1_154190_34316134	NC_021166.1	Ca_kabuli_chr07	34316134	AA	GG	1940419601
SNP_P1_154191_34316149	NC_021166.1	Ca_kabuli_chr07	34316149	CC	AA	1940419602
SNP_P1_154192_34316195	NC_021166.1	Ca_kabuli_chr07	34316195	TT	CC	1940419603
SNP_P1_154194_34316627	NC_021166.1	Ca_kabuli_chr07	34316627	CC	GG	1940419604
SNP_P1_154195_34316629	NC_021166.1	Ca_kabuli_chr07	34316629	GG	AA	1940419605
SNP_P1_154196_34316642	NC_021166.1	Ca_kabuli_chr07	34316642	AA	TT	1940419606
SNP_P1_154198_34316907	NC_021166.1	Ca_kabuli_chr07	34316907	TT	CC	1940419607
SNP_P1_154199_34317000	NC_021166.1	Ca_kabuli_chr07	34317000	AA	CC	1940419608
SNP_P1_154200_34317010	NC_021166.1	Ca_kabuli_chr07	34317010	GG	AA	1940419609
SNP_P1_154202_34317611	NC_021166.1	Ca_kabuli_chr07	34317611	CC	AA	1940419610
SNP_P1_154203_34318115	NC_021166.1	Ca_kabuli_chr07	34318115	AA	TT	1940419611
SNP_P1_154204_34318210	NC_021166.1	Ca_kabuli_chr07	34318210	AA	TT	1940419612
SNP_P1_154205_34318324	NC_021166.1	Ca_kabuli_chr07	34318324	GG	AA	1940419613
SNP_P1_154207_34318860	NC_021166.1	Ca_kabuli_chr07	34318860	TT	CC	1940419614
SNP_P1_154208_34318862	NC_021166.1	Ca_kabuli_chr07	34318862	GG	AA	1940419615
SNP_P1_154211_34320534	NC_021166.1	Ca_kabuli_chr07	34320534	TT	AA	1940419616
SNP_P1_154212_34320538	NC_021166.1	Ca_kabuli_chr07	34320538	TT	CC	1940419617
SNP_P1_154213_34320914	NC_021166.1	Ca_kabuli_chr07	34320914	TT	CC	1940419618
SNP_P1_154214_34321084	NC_021166.1	Ca_kabuli_chr07	34321084	TT	GG	1940419620
SNP_P1_154216_34321158	NC_021166.1	Ca_kabuli_chr07	34321158	GG	AA	1940419621
SNP_P1_154217_34321186	NC_021166.1	Ca_kabuli_chr07	34321186	TT	GG	1940419622
SNP_P1_154218_34321212	NC_021166.1	Ca_kabuli_chr07	34321212	AA	TT	1940419623
SNP_P1_154219_34321265	NC_021166.1	Ca_kabuli_chr07	34321265	TT	GG	1940419624
SNP_P1_154220_34322253	NC_021166.1	Ca_kabuli_chr07	34322253	GG	AA	1940419625
SNP_P1_154222_34323303	NC_021166.1	Ca_kabuli_chr07	34323303	CC	AA	1940419626
SNP_P1_154223_34323379	NC_021166.1	Ca_kabuli_chr07	34323379	CC	TT	1940419627
SNP_P1_154224_34323457	NC_021166.1	Ca_kabuli_chr07	34323457	GG	AA	1940419628
SNP_P1_154225_34323477	NC_021166.1	Ca_kabuli_chr07	34323477	GG	TT	1940419629
SNP_P1_154226_34323488	NC_021166.1	Ca_kabuli_chr07	34323488	GG	AA	1940419630
SNP_P1_154227_34323519	NC_021166.1	Ca_kabuli_chr07	34323519	CC	TT	1940419631
SNP_P1_154228_34323583	NC_021166.1	Ca_kabuli_chr07	34323583	CC	TT	1940419632

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_154230_34323605	NC_021166.1	Ca_kabuli_chr07	34323605	AA	CC	1940419633
SNP_P1_154232_34323682	NC_021166.1	Ca_kabuli_chr07	34323682	AA	GG	1940419634
SNP_P1_154234_34323866	NC_021166.1	Ca_kabuli_chr07	34323866	GG	TT	1940419635
SNP_P1_154235_34323943	NC_021166.1	Ca_kabuli_chr07	34323943	TT	CC	1940419636
SNP_P1_154236_34323973	NC_021166.1	Ca_kabuli_chr07	34323973	GG	AA	1940419637
SNP_P1_154237_34323985	NC_021166.1	Ca_kabuli_chr07	34323985	CC	TT	1940419638
SNP_P1_154238_34324138	NC_021166.1	Ca_kabuli_chr07	34324138	AA	GG	1940419639
SNP_P1_154239_34324147	NC_021166.1	Ca_kabuli_chr07	34324147	AA	TT	1940419640
SNP_P1_154240_34324184	NC_021166.1	Ca_kabuli_chr07	34324184	TT	CC	1940419641
SNP_P1_154241_34324207	NC_021166.1	Ca_kabuli_chr07	34324207	TT	CC	1940419642
SNP_P1_154242_34324324	NC_021166.1	Ca_kabuli_chr07	34324324	AA	GG	1940419643
SNP_P1_154243_34324335	NC_021166.1	Ca_kabuli_chr07	34324335	AA	TT	1940419644
SNP_P1_154244_34324371	NC_021166.1	Ca_kabuli_chr07	34324371	CC	TT	1940419645
SNP_P1_154247_34324497	NC_021166.1	Ca_kabuli_chr07	34324497	TT	CC	1940419646
SNP_P1_154249_34328501	NC_021166.1	Ca_kabuli_chr07	34328501	AA	GG	1940419647
SNP_P1_154251_34328659	NC_021166.1	Ca_kabuli_chr07	34328659	AA	GG	1940419648
SNP_P1_154253_34328745	NC_021166.1	Ca_kabuli_chr07	34328745	TT	CC	1940419649
SNP_P1_154254_34328757	NC_021166.1	Ca_kabuli_chr07	34328757	AA	GG	1940419650
SNP_P1_154256_34328966	NC_021166.1	Ca_kabuli_chr07	34328966	AA	GG	1940419651
SNP_P1_154257_34329018	NC_021166.1	Ca_kabuli_chr07	34329018	CC	TT	1940419652
SNP_P1_154258_34329040	NC_021166.1	Ca_kabuli_chr07	34329040	CC	AA	1940419653
SNP_P1_154259_34329426	NC_021166.1	Ca_kabuli_chr07	34329426	TT	CC	1940419654
SNP_P1_154260_34329443	NC_021166.1	Ca_kabuli_chr07	34329443	TT	CC	1940419655
SNP_P1_154261_34329466	NC_021166.1	Ca_kabuli_chr07	34329466	TT	CC	1940419656
SNP_P1_154262_34330123	NC_021166.1	Ca_kabuli_chr07	34330123	TT	GG	1940419657
SNP_P1_154263_34330129	NC_021166.1	Ca_kabuli_chr07	34330129	CC	TT	1940419658
SNP_P1_154264_34330131	NC_021166.1	Ca_kabuli_chr07	34330131	AA	GG	1940419659
SNP_P1_154265_34330433	NC_021166.1	Ca_kabuli_chr07	34330433	TT	GG	1940419660
SNP_P1_154266_34330439	NC_021166.1	Ca_kabuli_chr07	34330439	AA	GG	1940419661
SNP_P1_154267_34330450	NC_021166.1	Ca_kabuli_chr07	34330450	TT	CC	1940419662
SNP_P1_154268_34330695	NC_021166.1	Ca_kabuli_chr07	34330695	AA	GG	1940419663
SNP_P1_154269_34330725	NC_021166.1	Ca_kabuli_chr07	34330725	TT	GG	1940419664
SNP_P1_154270_34330726	NC_021166.1	Ca_kabuli_chr07	34330726	GG	AA	1940419665
SNP_P1_154271_34331412	NC_021166.1	Ca_kabuli_chr07	34331412	AA	CC	1940419666
SNP_P1_154272_34331420	NC_021166.1	Ca_kabuli_chr07	34331420	TT	CC	1940419667
SNP_P1_154273_34331425	NC_021166.1	Ca_kabuli_chr07	34331425	TT	CC	1940419668
SNP_P1_154274_34331427	NC_021166.1	Ca_kabuli_chr07	34331427	GG	AA	1940419669
SNP_P1_154275_34331432	NC_021166.1	Ca_kabuli_chr07	34331432	TT	CC	1940419670
SNP_P1_154276_34331466	NC_021166.1	Ca_kabuli_chr07	34331466	AA	GG	1940419671
SNP_P1_154277_34331511	NC_021166.1	Ca_kabuli_chr07	34331511	TT	GG	1940419672
SNP_P1_154278_34331751	NC_021166.1	Ca_kabuli_chr07	34331751	TT	CC	1940419673
SNP_P1_154279_34331888	NC_021166.1	Ca_kabuli_chr07	34331888	TT	CC	1940419674

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_154280_34334920	NC_021166.1	Ca_kabuli_chr07	34334920	AA	CC	1940419675
SNP_P1_154281_34334935	NC_021166.1	Ca_kabuli_chr07	34334935	AA	CC	1940419676
SNP_P1_154282_34335111	NC_021166.1	Ca_kabuli_chr07	34335111	CC	TT	1940419677
SNP_P1_154283_34335243	NC_021166.1	Ca_kabuli_chr07	34335243	AA	TT	1940419678
SNP_P1_154284_34335265	NC_021166.1	Ca_kabuli_chr07	34335265	CC	TT	1940419679
SNP_P1_154285_34335869	NC_021166.1	Ca_kabuli_chr07	34335869	TT	AA	1940419680
SNP_P1_154286_34335880	NC_021166.1	Ca_kabuli_chr07	34335880	TT	CC	1940419681
SNP_P1_154288_34336053	NC_021166.1	Ca_kabuli_chr07	34336053	AA	GG	1940419682
SNP_P1_154289_34336075	NC_021166.1	Ca_kabuli_chr07	34336075	AA	TT	1940419683
SNP_P1_154291_34336338	NC_021166.1	Ca_kabuli_chr07	34336338	CC	AA	1940419684
SNP_P1_154292_34336368	NC_021166.1	Ca_kabuli_chr07	34336368	TT	CC	1940419685
SNP_P1_154293_34336385	NC_021166.1	Ca_kabuli_chr07	34336385	AA	GG	1940419686
SNP_P1_154294_34336430	NC_021166.1	Ca_kabuli_chr07	34336430	TT	CC	1940419687
SNP_P1_154295_34336431	NC_021166.1	Ca_kabuli_chr07	34336431	AA	GG	1940419688
SNP_P1_154296_34336440	NC_021166.1	Ca_kabuli_chr07	34336440	TT	CC	1940419689
SNP_P1_154298_34336611	NC_021166.1	Ca_kabuli_chr07	34336611	AA	GG	1940419690
SNP_P1_154299_34336626	NC_021166.1	Ca_kabuli_chr07	34336626	GG	AA	1940419691
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SNP_P1_154301_34336845	NC_021166.1	Ca_kabuli_chr07	34336845	TT	GG	1940419693
SNP_P1_154303_34337238	NC_021166.1	Ca_kabuli_chr07	34337238	AA	CC	1940419694
SNP_P1_154304_34337335	NC_021166.1	Ca_kabuli_chr07	34337335	TT	CC	1940419695
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SNP_P1_154306_34337438	NC_021166.1	Ca_kabuli_chr07	34337438	AA	GG	1940419697
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SNP_P1_154313_34337807	NC_021166.1	Ca_kabuli_chr07	34337807	AA	GG	1940419703
SNP_P1_154316_34338385	NC_021166.1	Ca_kabuli_chr07	34338385	AA	GG	1940419704
SNP_P1_154317_34338391	NC_021166.1	Ca_kabuli_chr07	34338391	CC	TT	1940419705
SNP_P1_154318_34338411	NC_021166.1	Ca_kabuli_chr07	34338411	TT	CC	1940419706
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SNP_P1_154321_34339515	NC_021166.1	Ca_kabuli_chr07	34339515	AA	TT	1940419708
SNP_P1_154323_34339670	NC_021166.1	Ca_kabuli_chr07	34339670	GG	TT	1940419709
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SNP_P1_154326_34341648	NC_021166.1	Ca_kabuli_chr07	34341648	AA	GG	1940419711
SNP_P1_154327_34341740	NC_021166.1	Ca_kabuli_chr07	34341740	AA	GG	1940419712
SNP_P1_154328_34341950	NC_021166.1	Ca_kabuli_chr07	34341950	CC	TT	1940419713
SNP_P1_154329_34342001	NC_021166.1	Ca_kabuli_chr07	34342001	CC	TT	1940419714
SNP_P1_154330_34342017	NC_021166.1	Ca_kabuli_chr07	34342017	AA	GG	1940419715
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154333_34342022	NC_021166.1	Ca_kabuli_chr07	34342022	TT	CC	1940419718
SNP_P1_154334_34342205	NC_021166.1	Ca_kabuli_chr07	34342205	TT	GG	1940419719
SNP_P1_154335_34342212	NC_021166.1	Ca_kabuli_chr07	34342212	GG	AA	1940419720
SNP_P1_154337_34342381	NC_021166.1	Ca_kabuli_chr07	34342381	GG	AA	1940419721
SNP_P1_154338_34342422	NC_021166.1	Ca_kabuli_chr07	34342422	GG	AA	1940419722
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SNP_P1_154342_34347638	NC_021166.1	Ca_kabuli_chr07	34347638	AA	GG	1940419726
SNP_P1_154344_34348298	NC_021166.1	Ca_kabuli_chr07	34348298	CC	AA	1940419727
SNP_P1_154345_34348300	NC_021166.1	Ca_kabuli_chr07	34348300	CC	TT	1940419728
SNP_P1_154346_34348510	NC_021166.1	Ca_kabuli_chr07	34348510	TT	CC	1940419729
SNP_P1_154347_34348516	NC_021166.1	Ca_kabuli_chr07	34348516	GG	AA	1940419730
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SNP_P1_154350_34348621	NC_021166.1	Ca_kabuli_chr07	34348621	GG	AA	1940419733
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SNP_P1_154357_34349619	NC_021166.1	Ca_kabuli_chr07	34349619	CC	GG	1940419739
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SNP_P1_154359_34349957	NC_021166.1	Ca_kabuli_chr07	34349957	AA	GG	1940419741
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SNP_P1_154365_34350123	NC_021166.1	Ca_kabuli_chr07	34350123	AA	GG	1940419746
SNP_P1_154366_34350780	NC_021166.1	Ca_kabuli_chr07	34350780	AA	GG	1940419747
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SNP_P1_154369_34351037	NC_021166.1	Ca_kabuli_chr07	34351037	AA	GG	1940419749
SNP_P1_154370_34364710	NC_021166.1	Ca_kabuli_chr07	34364710	TT	GG	1940419750
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SNP_P1_154372_34365572	NC_021166.1	Ca_kabuli_chr07	34365572	GG	CC	1940419752
SNP_P1_154373_34366103	NC_021166.1	Ca_kabuli_chr07	34366103	GG	CC	1940419753
SNP_P1_154374_34366202	NC_021166.1	Ca_kabuli_chr07	34366202	TT	CC	1940419754
SNP_P1_154376_34366422	NC_021166.1	Ca_kabuli_chr07	34366422	CC	TT	1940419755
SNP_P1_154377_34366456	NC_021166.1	Ca_kabuli_chr07	34366456	GG	CC	1940419756
SNP_P1_154378_34368718	NC_021166.1	Ca_kabuli_chr07	34368718	GG	AA	1940419757
SNP_P1_154379_34369004	NC_021166.1	Ca_kabuli_chr07	34369004	TT	AA	1940419758

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154381_34369376	NC_021166.1	Ca_kabuli_chr07	34369376	GG	AA	1940419760
SNP_P1_154382_34369390	NC_021166.1	Ca_kabuli_chr07	34369390	AA	GG	1940419761
SNP_P1_154383_34369452	NC_021166.1	Ca_kabuli_chr07	34369452	TT	CC	1940419762
SNP_P1_154384_34369464	NC_021166.1	Ca_kabuli_chr07	34369464	GG	TT	1940419763
SNP_P1_154385_34369522	NC_021166.1	Ca_kabuli_chr07	34369522	AA	CC	1940419764
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SNP_P1_154388_34370020	NC_021166.1	Ca_kabuli_chr07	34370020	TT	CC	1940419766
SNP_P1_154389_34370177	NC_021166.1	Ca_kabuli_chr07	34370177	GG	CC	1940419767
SNP_P1_154391_34370952	NC_021166.1	Ca_kabuli_chr07	34370952	CC	GG	1940419768
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SNP_P1_154398_34372833	NC_021166.1	Ca_kabuli_chr07	34372833	CC	TT	1940419775
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SNP_P1_154401_34376815	NC_021166.1	Ca_kabuli_chr07	34376815	GG	AA	1940419778
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SNP_P1_154404_34378207	NC_021166.1	Ca_kabuli_chr07	34378207	GG	TT	1940419780
SNP_P1_154405_34378637	NC_021166.1	Ca_kabuli_chr07	34378637	CC	TT	1940419781
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SNP_P1_154407_34379288	NC_021166.1	Ca_kabuli_chr07	34379288	GG	TT	1940419783
SNP_P1_154408_34379313	NC_021166.1	Ca_kabuli_chr07	34379313	CC	TT	1940419784
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SNP_P1_154415_34383604	NC_021166.1	Ca_kabuli_chr07	34383604	CC	TT	1940419790
SNP_P1_154417_34383864	NC_021166.1	Ca_kabuli_chr07	34383864	GG	TT	1940419791
SNP_P1_154418_34384009	NC_021166.1	Ca_kabuli_chr07	34384009	TT	CC	1940419792
SNP_P1_154419_34384021	NC_021166.1	Ca_kabuli_chr07	34384021	GG	AA	1940419793
SNP_P1_154420_34384036	NC_021166.1	Ca_kabuli_chr07	34384036	TT	CC	1940419794
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SNP_P1_154422_34385224	NC_021166.1	Ca_kabuli_chr07	34385224	CC	TT	1940419796
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SNP_P1_154424_34385234	NC_021166.1	Ca_kabuli_chr07	34385234	CC	TT	1940419798
SNP_P1_154425_34385235	NC_021166.1	Ca_kabuli_chr07	34385235	AA	GG	1940419799
SNP_P1_154426_34385238	NC_021166.1	Ca_kabuli_chr07	34385238	GG	AA	1940419800
SNP_P1_154428_34385333	NC_021166.1	Ca_kabuli_chr07	34385333	TT	GG	1940419801

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154430_34385388	NC_021166.1	Ca_kabuli_chr07	34385388	GG	TT	1940419803
SNP_P1_154432_34385410	NC_021166.1	Ca_kabuli_chr07	34385410	CC	TT	1940419804
SNP_P1_154433_34385430	NC_021166.1	Ca_kabuli_chr07	34385430	CC	GG	1940419805
SNP_P1_154434_34385450	NC_021166.1	Ca_kabuli_chr07	34385450	TT	AA	1940419806
SNP_P1_154435_34385677	NC_021166.1	Ca_kabuli_chr07	34385677	TT	CC	1940419807
SNP_P1_154436_34385815	NC_021166.1	Ca_kabuli_chr07	34385815	CC	GG	1940419808
SNP_P1_154437_34385839	NC_021166.1	Ca_kabuli_chr07	34385839	CC	GG	1940419809
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SNP_P1_154440_34386604	NC_021166.1	Ca_kabuli_chr07	34386604	GG	AA	1940419812
SNP_P1_154441_34387576	NC_021166.1	Ca_kabuli_chr07	34387576	CC	TT	1940419813
SNP_P1_154442_34387668	NC_021166.1	Ca_kabuli_chr07	34387668	TT	GG	1940419814
SNP_P1_154443_34387778	NC_021166.1	Ca_kabuli_chr07	34387778	CC	TT	1940419815
SNP_P1_154444_34388111	NC_021166.1	Ca_kabuli_chr07	34388111	GG	AA	1940419816
SNP_P1_154445_34388131	NC_021166.1	Ca_kabuli_chr07	34388131	AA	CC	1940419817
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SNP_P1_154448_34388378	NC_021166.1	Ca_kabuli_chr07	34388378	TT	CC	1940419820
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SNP_P1_154459_34392562	NC_021166.1	Ca_kabuli_chr07	34392562	CC	TT	1940419830
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SNP_P1_154462_34392759	NC_021166.1	Ca_kabuli_chr07	34392759	CC	TT	1940419833
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SNP_P1_154469_34394367	NC_021166.1	Ca_kabuli_chr07	34394367	CC	TT	1940419838
SNP_P1_154470_34394370	NC_021166.1	Ca_kabuli_chr07	34394370	AA	GG	1940419839
SNP_P1_154471_34394619	NC_021166.1	Ca_kabuli_chr07	34394619	TT	AA	1940419840
SNP_P1_154472_34395021	NC_021166.1	Ca_kabuli_chr07	34395021	TT	CC	1940419841
SNP_P1_154473_34395293	NC_021166.1	Ca_kabuli_chr07	34395293	TT	GG	1940419842
SNP_P1_154475_34396154	NC_021166.1	Ca_kabuli_chr07	34396154	AA	GG	1940419843

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154478_34399435	NC_021166.1	Ca_kabuli_chr07	34399435	AA	GG	1940419846
SNP_P1_154479_34399437	NC_021166.1	Ca_kabuli_chr07	34399437	AA	GG	1940419847
SNP_P1_154480_34400295	NC_021166.1	Ca_kabuli_chr07	34400295	AA	GG	1940419848
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SNP_P1_154482_34405454	NC_021166.1	Ca_kabuli_chr07	34405454	TT	AA	1940419850
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SNP_P1_154487_34407836	NC_021166.1	Ca_kabuli_chr07	34407836	AA	GG	1940419854
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SNP_P1_154490_34407946	NC_021166.1	Ca_kabuli_chr07	34407946	TT	AA	1940419856
SNP_P1_154491_34407961	NC_021166.1	Ca_kabuli_chr07	34407961	CC	GG	1940419857
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SNP_P1_154494_34408228	NC_021166.1	Ca_kabuli_chr07	34408228	TT	GG	1940419859
SNP_P1_154496_34408534	NC_021166.1	Ca_kabuli_chr07	34408534	TT	CC	1940419860
SNP_P1_154497_34408556	NC_021166.1	Ca_kabuli_chr07	34408556	GG	CC	1940419861
SNP_P1_154498_34408557	NC_021166.1	Ca_kabuli_chr07	34408557	TT	AA	1940419862
SNP_P1_154499_34408558	NC_021166.1	Ca_kabuli_chr07	34408558	GG	TT	1940419863
SNP_P1_154500_34408560	NC_021166.1	Ca_kabuli_chr07	34408560	AA	GG	1940419864
SNP_P1_154501_34408651	NC_021166.1	Ca_kabuli_chr07	34408651	GG	AA	1940419865
SNP_P1_154502_34408721	NC_021166.1	Ca_kabuli_chr07	34408721	TT	GG	1940419866
SNP_P1_154503_34408929	NC_021166.1	Ca_kabuli_chr07	34408929	AA	CC	1940419867
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SNP_P1_154506_34414333	NC_021166.1	Ca_kabuli_chr07	34414333	TT	AA	1940419869
SNP_P1_154507_34414468	NC_021166.1	Ca_kabuli_chr07	34414468	TT	CC	1940419870
SNP_P1_154508_34445677	NC_021166.1	Ca_kabuli_chr07	34445677	GG	AA	1940419871
SNP_P1_154509_34449543	NC_021166.1	Ca_kabuli_chr07	34449543	GG	AA	1940419872
SNP_P1_154510_34451116	NC_021166.1	Ca_kabuli_chr07	34451116	AA	TT	1940419873
SNP_P1_154511_34451117	NC_021166.1	Ca_kabuli_chr07	34451117	AA	TT	1940419874
SNP_P1_154513_34451446	NC_021166.1	Ca_kabuli_chr07	34451446	AA	CC	1940419875
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SNP_P1_154515_34484378	NC_021166.1	Ca_kabuli_chr07	34484378	TT	CC	1940419877
SNP_P1_154517_34492437	NC_021166.1	Ca_kabuli_chr07	34492437	GG	AA	1940419878
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SNP_P1_154521_34578215	NC_021166.1	Ca_kabuli_chr07	34578215	TT	CC	1940419881
SNP_P1_154522_34580279	NC_021166.1	Ca_kabuli_chr07	34580279	AA	GG	1940419882
SNP_P1_154523_34583536	NC_021166.1	Ca_kabuli_chr07	34583536	CC	TT	1940419883
SNP_P1_154525_34605927	NC_021166.1	Ca_kabuli_chr07	34605927	TT	CC	1940419884
SNP_P1_154526_34605931	NC_021166.1	Ca_kabuli_chr07	34605931	TT	AA	1940419885

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154528_34624550	NC_021166.1	Ca_kabuli_chr07	34624550	GG	AA	1940419887
SNP_P1_154529_34661334	NC_021166.1	Ca_kabuli_chr07	34661334	TT	CC	1940419888
SNP_P1_154530_34664323	NC_021166.1	Ca_kabuli_chr07	34664323	TT	AA	1940419889
SNP_P1_154531_34664774	NC_021166.1	Ca_kabuli_chr07	34664774	TT	CC	1940419890
SNP_P1_154533_34674229	NC_021166.1	Ca_kabuli_chr07	34674229	TT	CC	1940419891
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SNP_P1_154535_34676697	NC_021166.1	Ca_kabuli_chr07	34676697	AA	GG	1940419893
SNP_P1_154536_34676704	NC_021166.1	Ca_kabuli_chr07	34676704	TT	CC	1940419894
SNP_P1_154537_34692819	NC_021166.1	Ca_kabuli_chr07	34692819	CC	TT	1940419895
SNP_P1_154538_34707203	NC_021166.1	Ca_kabuli_chr07	34707203	GG	AA	1940419896
SNP_P1_154540_34730339	NC_021166.1	Ca_kabuli_chr07	34730339	AA	GG	1940419897
SNP_P1_154541_34752063	NC_021166.1	Ca_kabuli_chr07	34752063	AA	GG	1940419898
SNP_P1_154542_34762029	NC_021166.1	Ca_kabuli_chr07	34762029	TT	CC	1940419899
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SNP_P1_154547_34792795	NC_021166.1	Ca_kabuli_chr07	34792795	GG	AA	1940419904
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SNP_P1_154549_34792870	NC_021166.1	Ca_kabuli_chr07	34792870	TT	GG	1940419906
SNP_P1_154550_34792888	NC_021166.1	Ca_kabuli_chr07	34792888	CC	TT	1940419907
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SNP_P1_154561_34844539	NC_021166.1	Ca_kabuli_chr07	34844539	TT	GG	1940419917
SNP_P1_154562_34855322	NC_021166.1	Ca_kabuli_chr07	34855322	GG	AA	1940419918
SNP_P1_154563_34880141	NC_021166.1	Ca_kabuli_chr07	34880141	AA	CC	1940419919
SNP_P1_154564_34884484	NC_021166.1	Ca_kabuli_chr07	34884484	TT	AA	1940419920
SNP_P1_154565_34884970	NC_021166.1	Ca_kabuli_chr07	34884970	AA	GG	1940419921
SNP_P1_154566_34901758	NC_021166.1	Ca_kabuli_chr07	34901758	AA	GG	1940419922
SNP_P1_154568_34916043	NC_021166.1	Ca_kabuli_chr07	34916043	TT	CC	1940419923
SNP_P1_154570_34960259	NC_021166.1	Ca_kabuli_chr07	34960259	AA	TT	1940419924
SNP_P1_154571_34961029	NC_021166.1	Ca_kabuli_chr07	34961029	AA	GG	1940419925
SNP_P1_154573_34981655	NC_021166.1	Ca_kabuli_chr07	34981655	AA	TT	1940419926
SNP_P1_154574_34989693	NC_021166.1	Ca_kabuli_chr07	34989693	TT	CC	1940419927
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154578_35026529	NC_021166.1	Ca_kabuli_chr07	35026529	CC	TT	1940419930
SNP_P1_154579_35028452	NC_021166.1	Ca_kabuli_chr07	35028452	TT	CC	1940419931
SNP_P1_154580_35032315	NC_021166.1	Ca_kabuli_chr07	35032315	GG	AA	1940419932
SNP_P1_154581_35041646	NC_021166.1	Ca_kabuli_chr07	35041646	TT	CC	1940419933
SNP_P1_154583_35053355	NC_021166.1	Ca_kabuli_chr07	35053355	TT	CC	1940419934
SNP_P1_154584_35059359	NC_021166.1	Ca_kabuli_chr07	35059359	GG	AA	1940419935
SNP_P1_154586_35067686	NC_021166.1	Ca_kabuli_chr07	35067686	GG	AA	1940419936
SNP_P1_154587_35069818	NC_021166.1	Ca_kabuli_chr07	35069818	CC	TT	1940419937
SNP_P1_154588_35084582	NC_021166.1	Ca_kabuli_chr07	35084582	AA	TT	1940419938
SNP_P1_154589_35087334	NC_021166.1	Ca_kabuli_chr07	35087334	GG	CC	1940419939
SNP_P1_154590_35096707	NC_021166.1	Ca_kabuli_chr07	35096707	CC	TT	1940419940
SNP_P1_154591_35102656	NC_021166.1	Ca_kabuli_chr07	35102656	TT	CC	1940419941
SNP_P1_154594_35108635	NC_021166.1	Ca_kabuli_chr07	35108635	AA	GG	1940419942
SNP_P1_154595_35108653	NC_021166.1	Ca_kabuli_chr07	35108653	AA	GG	1940419943
SNP_P1_154596_35108997	NC_021166.1	Ca_kabuli_chr07	35108997	GG	AA	1940419944
SNP_P1_154598_35109099	NC_021166.1	Ca_kabuli_chr07	35109099	AA	GG	1940419945
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SNP_P1_154601_35110128	NC_021166.1	Ca_kabuli_chr07	35110128	AA	TT	1940419947
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SNP_P1_154604_35111167	NC_021166.1	Ca_kabuli_chr07	35111167	GG	AA	1940419949
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SNP_P1_154611_35116111	NC_021166.1	Ca_kabuli_chr07	35116111	CC	AA	1940419954
SNP_P1_154612_35116116	NC_021166.1	Ca_kabuli_chr07	35116116	GG	AA	1940419955
SNP_P1_154613_35116123	NC_021166.1	Ca_kabuli_chr07	35116123	CC	AA	1940419956
SNP_P1_154614_35116167	NC_021166.1	Ca_kabuli_chr07	35116167	CC	TT	1940419957
SNP_P1_154615_35116168	NC_021166.1	Ca_kabuli_chr07	35116168	CC	GG	1940419958
SNP_P1_154616_35116174	NC_021166.1	Ca_kabuli_chr07	35116174	CC	GG	1940419959
SNP_P1_154617_35116177	NC_021166.1	Ca_kabuli_chr07	35116177	AA	CC	1940419960
SNP_P1_154618_35116189	NC_021166.1	Ca_kabuli_chr07	35116189	GG	TT	1940419961
SNP_P1_154619_35116219	NC_021166.1	Ca_kabuli_chr07	35116219	GG	CC	1940419962
SNP_P1_154621_35117316	NC_021166.1	Ca_kabuli_chr07	35117316	CC	TT	1940419963
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SNP_P1_154623_35117462	NC_021166.1	Ca_kabuli_chr07	35117462	TT	CC	1940419965
SNP_P1_154624_35117561	NC_021166.1	Ca_kabuli_chr07	35117561	TT	CC	1940419966
SNP_P1_154625_35117609	NC_021166.1	Ca_kabuli_chr07	35117609	TT	CC	1940419967
SNP_P1_154626_35117611	NC_021166.1	Ca_kabuli_chr07	35117611	TT	AA	1940419968
SNP_P1_154627_35117703	NC_021166.1	Ca_kabuli_chr07	35117703	AA	TT	1940419969
SNP_P1_154628_35117721	NC_021166.1	Ca_kabuli_chr07	35117721	TT	CC	1940419970

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154630_35118337	NC_021166.1	Ca_kabuli_chr07	35118337	AA	CC	1940419972
SNP_P1_154631_35118572	NC_021166.1	Ca_kabuli_chr07	35118572	TT	CC	1940419973
SNP_P1_154632_35118581	NC_021166.1	Ca_kabuli_chr07	35118581	CC	TT	1940419974
SNP_P1_154633_35118617	NC_021166.1	Ca_kabuli_chr07	35118617	TT	CC	1940419975
SNP_P1_154635_35119619	NC_021166.1	Ca_kabuli_chr07	35119619	CC	GG	1940419976
SNP_P1_154636_35119942	NC_021166.1	Ca_kabuli_chr07	35119942	CC	AA	1940419977
SNP_P1_154637_35119974	NC_021166.1	Ca_kabuli_chr07	35119974	GG	TT	1940419978
SNP_P1_154639_35120923	NC_021166.1	Ca_kabuli_chr07	35120923	GG	CC	1940419979
SNP_P1_154640_35120943	NC_021166.1	Ca_kabuli_chr07	35120943	AA	CC	1940419980
SNP_P1_154642_35121335	NC_021166.1	Ca_kabuli_chr07	35121335	AA	TT	1940419981
SNP_P1_154643_35121486	NC_021166.1	Ca_kabuli_chr07	35121486	CC	AA	1940419982
SNP_P1_154644_35121516	NC_021166.1	Ca_kabuli_chr07	35121516	CC	TT	1940419983
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SNP_P1_154646_35121648	NC_021166.1	Ca_kabuli_chr07	35121648	TT	AA	1940419985
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SNP_P1_154652_35121780	NC_021166.1	Ca_kabuli_chr07	35121780	TT	GG	1940419991
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SNP_P1_154660_35126101	NC_021166.1	Ca_kabuli_chr07	35126101	TT	AA	1940419998
SNP_P1_154663_35126907	NC_021166.1	Ca_kabuli_chr07	35126907	CC	TT	1940419999
SNP_P1_154664_35127148	NC_021166.1	Ca_kabuli_chr07	35127148	AA	GG	1940420000
SNP_P1_154665_35130413	NC_021166.1	Ca_kabuli_chr07	35130413	CC	TT	1940420001
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SNP_P1_154667_35130709	NC_021166.1	Ca_kabuli_chr07	35130709	GG	CC	1940420003
SNP_P1_154668_35130732	NC_021166.1	Ca_kabuli_chr07	35130732	GG	AA	1940420004
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SNP_P1_154672_35131085	NC_021166.1	Ca_kabuli_chr07	35131085	TT	AA	1940420007
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SNP_P1_154675_35131148	NC_021166.1	Ca_kabuli_chr07	35131148	TT	AA	1940420010
SNP_P1_154676_35131164	NC_021166.1	Ca_kabuli_chr07	35131164	AA	TT	1940420011
SNP_P1_154677_35131516	NC_021166.1	Ca_kabuli_chr07	35131516	TT	GG	1940420012

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154681_35131601	NC_021166.1	Ca_kabuli_chr07	35131601	CC	AA	1940420015
SNP_P1_154682_35131811	NC_021166.1	Ca_kabuli_chr07	35131811	CC	AA	1940420016
SNP_P1_154683_35131835	NC_021166.1	Ca_kabuli_chr07	35131835	AA	GG	1940420017
SNP_P1_154684_35131851	NC_021166.1	Ca_kabuli_chr07	35131851	TT	CC	1940420018
SNP_P1_154685_35131882	NC_021166.1	Ca_kabuli_chr07	35131882	AA	GG	1940420019
SNP_P1_154686_35132146	NC_021166.1	Ca_kabuli_chr07	35132146	GG	CC	1940420020
SNP_P1_154687_35132448	NC_021166.1	Ca_kabuli_chr07	35132448	AA	TT	1940420021
SNP_P1_154688_35132566	NC_021166.1	Ca_kabuli_chr07	35132566	GG	CC	1940420022
SNP_P1_154689_35132792	NC_021166.1	Ca_kabuli_chr07	35132792	CC	TT	1940420023
SNP_P1_154690_35134101	NC_021166.1	Ca_kabuli_chr07	35134101	AA	CC	1940420024
SNP_P1_154691_35134440	NC_021166.1	Ca_kabuli_chr07	35134440	AA	TT	1940420025
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SNP_P1_154695_35135889	NC_021166.1	Ca_kabuli_chr07	35135889	GG	AA	1940420027
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SNP_P1_154701_35138482	NC_021166.1	Ca_kabuli_chr07	35138482	TT	AA	1940420034
SNP_P1_154702_35138554	NC_021166.1	Ca_kabuli_chr07	35138554	GG	CC	1940420035
SNP_P1_154704_35139224	NC_021166.1	Ca_kabuli_chr07	35139224	GG	AA	1940420036
SNP_P1_154705_35139245	NC_021166.1	Ca_kabuli_chr07	35139245	GG	AA	1940420037
SNP_P1_154706_35139262	NC_021166.1	Ca_kabuli_chr07	35139262	AA	GG	1940420038
SNP_P1_154707_35139504	NC_021166.1	Ca_kabuli_chr07	35139504	CC	TT	1940420039
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SNP_P1_154711_35140993	NC_021166.1	Ca_kabuli_chr07	35140993	AA	GG	1940420042
SNP_P1_154712_35140994	NC_021166.1	Ca_kabuli_chr07	35140994	GG	AA	1940420043
SNP_P1_154713_35142837	NC_021166.1	Ca_kabuli_chr07	35142837	GG	AA	1940420044
SNP_P1_154715_35144048	NC_021166.1	Ca_kabuli_chr07	35144048	GG	AA	1940420045
SNP_P1_154716_35144138	NC_021166.1	Ca_kabuli_chr07	35144138	GG	AA	1940420046
SNP_P1_154717_35144282	NC_021166.1	Ca_kabuli_chr07	35144282	GG	AA	1940420047
SNP_P1_154718_35144737	NC_021166.1	Ca_kabuli_chr07	35144737	GG	AA	1940420048
SNP_P1_154719_35145327	NC_021166.1	Ca_kabuli_chr07	35145327	CC	AA	1940420049
SNP_P1_154720_35145364	NC_021166.1	Ca_kabuli_chr07	35145364	CC	AA	1940420050
SNP_P1_154721_35145383	NC_021166.1	Ca_kabuli_chr07	35145383	TT	CC	1940420051
SNP_P1_154722_35145743	NC_021166.1	Ca_kabuli_chr07	35145743	TT	CC	1940420052
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SNP_P1_154724_35146043	NC_021166.1	Ca_kabuli_chr07	35146043	GG	AA	1940420054
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154727_35146267	NC_021166.1	Ca_kabuli_chr07	35146267	TT	CC	1940420057
SNP_P1_154728_35146268	NC_021166.1	Ca_kabuli_chr07	35146268	GG	AA	1940420058
SNP_P1_154729_35146284	NC_021166.1	Ca_kabuli_chr07	35146284	AA	GG	1940420059
SNP_P1_154730_35146328	NC_021166.1	Ca_kabuli_chr07	35146328	AA	TT	1940420060
SNP_P1_154731_35146329	NC_021166.1	Ca_kabuli_chr07	35146329	TT	GG	1940420061
SNP_P1_154732_35146510	NC_021166.1	Ca_kabuli_chr07	35146510	TT	CC	1940420062
SNP_P1_154733_35146690	NC_021166.1	Ca_kabuli_chr07	35146690	TT	CC	1940420063
SNP_P1_154735_35147099	NC_021166.1	Ca_kabuli_chr07	35147099	CC	TT	1940420064
SNP_P1_154736_35147139	NC_021166.1	Ca_kabuli_chr07	35147139	TT	CC	1940420065
SNP_P1_154737_35147393	NC_021166.1	Ca_kabuli_chr07	35147393	GG	TT	1940420066
SNP_P1_154738_35147409	NC_021166.1	Ca_kabuli_chr07	35147409	AA	TT	1940420067
SNP_P1_154739_35147569	NC_021166.1	Ca_kabuli_chr07	35147569	TT	CC	1940420068
SNP_P1_154742_35149160	NC_021166.1	Ca_kabuli_chr07	35149160	AA	CC	1940420069
SNP_P1_154743_35149972	NC_021166.1	Ca_kabuli_chr07	35149972	CC	GG	1940420070
SNP_P1_154744_35150020	NC_021166.1	Ca_kabuli_chr07	35150020	TT	AA	1940420071
SNP_P1_154745_35150066	NC_021166.1	Ca_kabuli_chr07	35150066	CC	TT	1940420072
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SNP_P1_154750_35150408	NC_021166.1	Ca_kabuli_chr07	35150408	AA	GG	1940420075
SNP_P1_154751_35150426	NC_021166.1	Ca_kabuli_chr07	35150426	GG	TT	1940420076
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SNP_P1_154753_35150788	NC_021166.1	Ca_kabuli_chr07	35150788	GG	TT	1940420078
SNP_P1_154754_35150810	NC_021166.1	Ca_kabuli_chr07	35150810	GG	AA	1940420079
SNP_P1_154755_35150825	NC_021166.1	Ca_kabuli_chr07	35150825	GG	AA	1940420080
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SNP_P1_154760_35153364	NC_021166.1	Ca_kabuli_chr07	35153364	AA	GG	1940420085
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SNP_P1_154762_35153608	NC_021166.1	Ca_kabuli_chr07	35153608	GG	AA	1940420087
SNP_P1_154763_35153682	NC_021166.1	Ca_kabuli_chr07	35153682	TT	CC	1940420088
SNP_P1_154764_35153773	NC_021166.1	Ca_kabuli_chr07	35153773	AA	TT	1940420089
SNP_P1_154765_35154474	NC_021166.1	Ca_kabuli_chr07	35154474	TT	GG	1940420090
SNP_P1_154766_35154476	NC_021166.1	Ca_kabuli_chr07	35154476	AA	GG	1940420091
SNP_P1_154767_35154499	NC_021166.1	Ca_kabuli_chr07	35154499	AA	GG	1940420092
SNP_P1_154769_35154631	NC_021166.1	Ca_kabuli_chr07	35154631	GG	CC	1940420093
SNP_P1_154770_35154829	NC_021166.1	Ca_kabuli_chr07	35154829	CC	AA	1940420094
SNP_P1_154772_35154867	NC_021166.1	Ca_kabuli_chr07	35154867	CC	GG	1940420095
SNP_P1_154773_35155021	NC_021166.1	Ca_kabuli_chr07	35155021	GG	AA	1940420096
SNP_P1_154775_35155526	NC_021166.1	Ca_kabuli_chr07	35155526	TT	CC	1940420097

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154777_35156186	NC_021166.1	Ca_kabuli_chr07	35156186	AA	GG	1940420099
SNP_P1_154778_35156246	NC_021166.1	Ca_kabuli_chr07	35156246	AA	TT	1940420100
SNP_P1_154779_35163410	NC_021166.1	Ca_kabuli_chr07	35163410	AA	TT	1940420101
SNP_P1_154780_35163522	NC_021166.1	Ca_kabuli_chr07	35163522	AA	GG	1940420102
SNP_P1_154781_35163809	NC_021166.1	Ca_kabuli_chr07	35163809	AA	GG	1940420103
SNP_P1_154782_35163816	NC_021166.1	Ca_kabuli_chr07	35163816	CC	TT	1940420104
SNP_P1_154783_35165075	NC_021166.1	Ca_kabuli_chr07	35165075	TT	CC	1940420105
SNP_P1_154784_35165139	NC_021166.1	Ca_kabuli_chr07	35165139	CC	TT	1940420106
SNP_P1_154786_35165336	NC_021166.1	Ca_kabuli_chr07	35165336	TT	CC	1940420107
SNP_P1_154787_35165344	NC_021166.1	Ca_kabuli_chr07	35165344	CC	TT	1940420108
SNP_P1_154788_35165410	NC_021166.1	Ca_kabuli_chr07	35165410	GG	AA	1940420109
SNP_P1_154789_35165550	NC_021166.1	Ca_kabuli_chr07	35165550	AA	CC	1940420110
SNP_P1_154790_35165560	NC_021166.1	Ca_kabuli_chr07	35165560	CC	TT	1940420111
SNP_P1_154791_35165980	NC_021166.1	Ca_kabuli_chr07	35165980	AA	TT	1940420112
SNP_P1_154792_35166039	NC_021166.1	Ca_kabuli_chr07	35166039	GG	AA	1940420113
SNP_P1_154793_35166219	NC_021166.1	Ca_kabuli_chr07	35166219	CC	TT	1940420114
SNP_P1_154794_35166235	NC_021166.1	Ca_kabuli_chr07	35166235	GG	AA	1940420115
SNP_P1_154795_35166301	NC_021166.1	Ca_kabuli_chr07	35166301	GG	AA	1940420116
SNP_P1_154798_35166527	NC_021166.1	Ca_kabuli_chr07	35166527	AA	GG	1940420117
SNP_P1_154799_35166560	NC_021166.1	Ca_kabuli_chr07	35166560	CC	TT	1940420118
SNP_P1_154801_35166687	NC_021166.1	Ca_kabuli_chr07	35166687	TT	CC	1940420119
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SNP_P1_154807_35167070	NC_021166.1	Ca_kabuli_chr07	35167070	TT	AA	1940420122
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SNP_P1_154810_35168105	NC_021166.1	Ca_kabuli_chr07	35168105	AA	GG	1940420124
SNP_P1_154811_35168106	NC_021166.1	Ca_kabuli_chr07	35168106	CC	TT	1940420125
SNP_P1_154812_35168107	NC_021166.1	Ca_kabuli_chr07	35168107	AA	GG	1940420126
SNP_P1_154813_35168111	NC_021166.1	Ca_kabuli_chr07	35168111	CC	TT	1940420127
SNP_P1_154814_35168126	NC_021166.1	Ca_kabuli_chr07	35168126	AA	GG	1940420128
SNP_P1_154817_35170312	NC_021166.1	Ca_kabuli_chr07	35170312	TT	CC	1940420129
SNP_P1_154818_35170336	NC_021166.1	Ca_kabuli_chr07	35170336	GG	AA	1940420130
SNP_P1_154819_35170347	NC_021166.1	Ca_kabuli_chr07	35170347	GG	AA	1940420131
SNP_P1_154820_35170395	NC_021166.1	Ca_kabuli_chr07	35170395	AA	GG	1940420132
SNP_P1_154821_35170552	NC_021166.1	Ca_kabuli_chr07	35170552	CC	AA	1940420133
SNP_P1_154822_35170558	NC_021166.1	Ca_kabuli_chr07	35170558	TT	AA	1940420134
SNP_P1_154823_35172009	NC_021166.1	Ca_kabuli_chr07	35172009	AA	CC	1940420135
SNP_P1_154824_35172023	NC_021166.1	Ca_kabuli_chr07	35172023	CC	TT	1940420136
SNP_P1_154825_35172253	NC_021166.1	Ca_kabuli_chr07	35172253	TT	CC	1940420137
SNP_P1_154826_35172305	NC_021166.1	Ca_kabuli_chr07	35172305	AA	GG	1940420138
SNP_P1_154827_35172311	NC_021166.1	Ca_kabuli_chr07	35172311	CC	AA	1940420139

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154829_35172456	NC_021166.1	Ca_kabuli_chr07	35172456	CC	TT	1940420141
SNP_P1_154830_35172508	NC_021166.1	Ca_kabuli_chr07	35172508	AA	GG	1940420142
SNP_P1_154831_35174377	NC_021166.1	Ca_kabuli_chr07	35174377	GG	CC	1940420143
SNP_P1_154832_35174390	NC_021166.1	Ca_kabuli_chr07	35174390	AA	TT	1940420144
SNP_P1_154833_35174761	NC_021166.1	Ca_kabuli_chr07	35174761	AA	CC	1940420145
SNP_P1_154837_35175875	NC_021166.1	Ca_kabuli_chr07	35175875	AA	GG	1940420146
SNP_P1_154838_35175881	NC_021166.1	Ca_kabuli_chr07	35175881	TT	GG	1940420147
SNP_P1_154839_35175883	NC_021166.1	Ca_kabuli_chr07	35175883	TT	AA	1940420148
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SNP_P1_154844_35177634	NC_021166.1	Ca_kabuli_chr07	35177634	AA	TT	1940420152
SNP_P1_154845_35177635	NC_021166.1	Ca_kabuli_chr07	35177635	AA	GG	1940420153
SNP_P1_154847_35178471	NC_021166.1	Ca_kabuli_chr07	35178471	TT	AA	1940420154
SNP_P1_154848_35178678	NC_021166.1	Ca_kabuli_chr07	35178678	GG	AA	1940420155
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SNP_P1_154864_35182678	NC_021166.1	Ca_kabuli_chr07	35182678	AA	CC	1940420169
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SNP_P1_154868_35183298	NC_021166.1	Ca_kabuli_chr07	35183298	CC	TT	1940420173
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SNP_P1_154870_35183316	NC_021166.1	Ca_kabuli_chr07	35183316	GG	AA	1940420175
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SNP_P1_154876_35186476	NC_021166.1	Ca_kabuli_chr07	35186476	CC	TT	1940420180
SNP_P1_154877_35186506	NC_021166.1	Ca_kabuli_chr07	35186506	AA	GG	1940420181

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154880_35187579	NC_021166.1	Ca_kabuli_chr07	35187579	AA	GG	1940420185
SNP_P1_154881_35187580	NC_021166.1	Ca_kabuli_chr07	35187580	CC	TT	1940420186
SNP_P1_154882_35187601	NC_021166.1	Ca_kabuli_chr07	35187601	CC	AA	1940420187
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SNP_P1_154890_35190304	NC_021166.1	Ca_kabuli_chr07	35190304	AA	GG	1940420195
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SNP_P1_154900_35192490	NC_021166.1	Ca_kabuli_chr07	35192490	GG	AA	1940420204
SNP_P1_154901_35192508	NC_021166.1	Ca_kabuli_chr07	35192508	AA	GG	1940420205
SNP_P1_154903_35204415	NC_021166.1	Ca_kabuli_chr07	35204415	AA	TT	1940420206
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SNP_P1_154910_35207411	NC_021166.1	Ca_kabuli_chr07	35207411	TT	CC	1940420210
SNP_P1_154911_35207447	NC_021166.1	Ca_kabuli_chr07	35207447	GG	AA	1940420211
SNP_P1_154912_35207463	NC_021166.1	Ca_kabuli_chr07	35207463	TT	AA	1940420212
SNP_P1_154913_35207468	NC_021166.1	Ca_kabuli_chr07	35207468	AA	GG	1940420213
SNP_P1_154914_35207524	NC_021166.1	Ca_kabuli_chr07	35207524	CC	TT	1940420214
SNP_P1_154915_35207711	NC_021166.1	Ca_kabuli_chr07	35207711	GG	AA	1940420215
SNP_P1_154916_35207754	NC_021166.1	Ca_kabuli_chr07	35207754	AA	TT	1940420216
SNP_P1_154917_35207786	NC_021166.1	Ca_kabuli_chr07	35207786	TT	GG	1940420217
SNP_P1_154918_35207795	NC_021166.1	Ca_kabuli_chr07	35207795	CC	TT	1940420218
SNP_P1_154919_35207796	NC_021166.1	Ca_kabuli_chr07	35207796	TT	CC	1940420219
SNP_P1_154920_35207852	NC_021166.1	Ca_kabuli_chr07	35207852	GG	CC	1940420220
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SNP_P1_154922_35207909	NC_021166.1	Ca_kabuli_chr07	35207909	CC	TT	1940420222
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SNP_P1_154924_35207942	NC_021166.1	Ca_kabuli_chr07	35207942	GG	TT	1940420224

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154927_35208243	NC_021166.1	Ca_kabuli_chr07	35208243	CC	TT	1940420226
SNP_P1_154928_35208249	NC_021166.1	Ca_kabuli_chr07	35208249	AA	TT	1940420227
SNP_P1_154929_35208252	NC_021166.1	Ca_kabuli_chr07	35208252	CC	GG	1940420228
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SNP_P1_154931_35208267	NC_021166.1	Ca_kabuli_chr07	35208267	GG	AA	1940420230
SNP_P1_154932_35209019	NC_021166.1	Ca_kabuli_chr07	35209019	GG	AA	1940420231
SNP_P1_154933_35209020	NC_021166.1	Ca_kabuli_chr07	35209020	CC	AA	1940420232
SNP_P1_154934_35209029	NC_021166.1	Ca_kabuli_chr07	35209029	AA	GG	1940420233
SNP_P1_154935_35209039	NC_021166.1	Ca_kabuli_chr07	35209039	CC	GG	1940420234
SNP_P1_154936_35209427	NC_021166.1	Ca_kabuli_chr07	35209427	AA	GG	1940420235
SNP_P1_154937_35209912	NC_021166.1	Ca_kabuli_chr07	35209912	AA	TT	1940420236
SNP_P1_154938_35209913	NC_021166.1	Ca_kabuli_chr07	35209913	AA	TT	1940420237
SNP_P1_154940_35210142	NC_021166.1	Ca_kabuli_chr07	35210142	TT	GG	1940420238
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SNP_P1_154963_35212868	NC_021166.1	Ca_kabuli_chr07	35212868	CC	TT	1940420258
SNP_P1_154964_35212869	NC_021166.1	Ca_kabuli_chr07	35212869	CC	AA	1940420259
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SNP_P1_154966_35212883	NC_021166.1	Ca_kabuli_chr07	35212883	TT	CC	1940420261
SNP_P1_154967_35213189	NC_021166.1	Ca_kabuli_chr07	35213189	TT	CC	1940420262
SNP_P1_154968_35213231	NC_021166.1	Ca_kabuli_chr07	35213231	TT	CC	1940420263
SNP_P1_154969_35213234	NC_021166.1	Ca_kabuli_chr07	35213234	AA	GG	1940420264
SNP_P1_154970_35213498	NC_021166.1	Ca_kabuli_chr07	35213498	CC	TT	1940420265
SNP_P1_154971_35213557	NC_021166.1	Ca_kabuli_chr07	35213557	GG	TT	1940420266

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_154976_35216234	NC_021166.1	Ca_kabuli_chr07	35216234	CC	AA	1940420268
SNP_P1_154977_35216528	NC_021166.1	Ca_kabuli_chr07	35216528	AA	CC	1940420269
SNP_P1_154978_35216872	NC_021166.1	Ca_kabuli_chr07	35216872	CC	TT	1940420270
SNP_P1_154980_35217515	NC_021166.1	Ca_kabuli_chr07	35217515	TT	CC	1940420271
SNP_P1_154981_35217551	NC_021166.1	Ca_kabuli_chr07	35217551	GG	CC	1940420272
SNP_P1_154984_35217809	NC_021166.1	Ca_kabuli_chr07	35217809	AA	GG	1940420273
SNP_P1_154987_35218085	NC_021166.1	Ca_kabuli_chr07	35218085	CC	GG	1940420274
SNP_P1_154988_35218176	NC_021166.1	Ca_kabuli_chr07	35218176	AA	CC	1940420275
SNP_P1_154989_35218544	NC_021166.1	Ca_kabuli_chr07	35218544	TT	CC	1940420276
SNP_P1_154990_35219632	NC_021166.1	Ca_kabuli_chr07	35219632	AA	GG	1940420277
SNP_P1_154991_35219982	NC_021166.1	Ca_kabuli_chr07	35219982	CC	AA	1940420278
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SNP_P1_155004_35223835	NC_021166.1	Ca_kabuli_chr07	35223835	GG	AA	1940420289
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SNP_P1_155022_35230465	NC_021166.1	Ca_kabuli_chr07	35230465	TT	CC	1940420304
SNP_P1_155023_35230516	NC_021166.1	Ca_kabuli_chr07	35230516	CC	TT	1940420305
SNP_P1_155025_35230539	NC_021166.1	Ca_kabuli_chr07	35230539	GG	AA	1940420306
SNP_P1_155028_35231425	NC_021166.1	Ca_kabuli_chr07	35231425	GG	CC	1940420307
SNP_P1_155029_35231451	NC_021166.1	Ca_kabuli_chr07	35231451	AA	GG	1940420308

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155032_35231570	NC_021166.1	Ca_kabuli_chr07	35231570	TT	GG	1940420311
SNP_P1_155033_35231587	NC_021166.1	Ca_kabuli_chr07	35231587	GG	AA	1940420312
SNP_P1_155034_35231659	NC_021166.1	Ca_kabuli_chr07	35231659	AA	CC	1940420313
SNP_P1_155035_35231719	NC_021166.1	Ca_kabuli_chr07	35231719	TT	CC	1940420314
SNP_P1_155036_35231724	NC_021166.1	Ca_kabuli_chr07	35231724	TT	GG	1940420315
SNP_P1_155037_35231748	NC_021166.1	Ca_kabuli_chr07	35231748	AA	CC	1940420316
SNP_P1_155038_35231758	NC_021166.1	Ca_kabuli_chr07	35231758	AA	GG	1940420317
SNP_P1_155039_35231779	NC_021166.1	Ca_kabuli_chr07	35231779	CC	GG	1940420318
SNP_P1_155040_35231787	NC_021166.1	Ca_kabuli_chr07	35231787	TT	AA	1940420319
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SNP_P1_155043_35231794	NC_021166.1	Ca_kabuli_chr07	35231794	AA	GG	1940420322
SNP_P1_155044_35231846	NC_021166.1	Ca_kabuli_chr07	35231846	GG	AA	1940420323
SNP_P1_155045_35231857	NC_021166.1	Ca_kabuli_chr07	35231857	AA	TT	1940420324
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SNP_P1_155060_35241171	NC_021166.1	Ca_kabuli_chr07	35241171	AA	TT	1940420339
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SNP_P1_155062_35242183	NC_021166.1	Ca_kabuli_chr07	35242183	TT	CC	1940420341
SNP_P1_155063_35242217	NC_021166.1	Ca_kabuli_chr07	35242217	AA	GG	1940420342
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SNP_P1_155066_35257021	NC_021166.1	Ca_kabuli_chr07	35257021	CC	TT	1940420344
SNP_P1_155067_35257068	NC_021166.1	Ca_kabuli_chr07	35257068	CC	GG	1940420345
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SNP_P1_155070_35257145	NC_021166.1	Ca_kabuli_chr07	35257145	GG	CC	1940420347
SNP_P1_155071_35257675	NC_021166.1	Ca_kabuli_chr07	35257675	AA	GG	1940420348
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SNP_P1_155074_35258667	NC_021166.1	Ca_kabuli_chr07	35258667	GG	TT	1940420350
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155078_35259639	NC_021166.1	Ca_kabuli_chr07	35259639	TT	CC	1940420354
SNP_P1_155079_35259650	NC_021166.1	Ca_kabuli_chr07	35259650	GG	AA	1940420355
SNP_P1_155080_35259651	NC_021166.1	Ca_kabuli_chr07	35259651	CC	AA	1940420356
SNP_P1_155081_35259804	NC_021166.1	Ca_kabuli_chr07	35259804	CC	TT	1940420357
SNP_P1_155082_35261789	NC_021166.1	Ca_kabuli_chr07	35261789	GG	AA	1940420358
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SNP_P1_155084_35263308	NC_021166.1	Ca_kabuli_chr07	35263308	GG	AA	1940420360
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SNP_P1_155086_35263678	NC_021166.1	Ca_kabuli_chr07	35263678	TT	GG	1940420362
SNP_P1_155087_35263711	NC_021166.1	Ca_kabuli_chr07	35263711	AA	TT	1940420363
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SNP_P1_155089_35263736	NC_021166.1	Ca_kabuli_chr07	35263736	CC	GG	1940420365
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SNP_P1_155103_35274990	NC_021166.1	Ca_kabuli_chr07	35274990	AA	GG	1940420378
SNP_P1_155105_35275076	NC_021166.1	Ca_kabuli_chr07	35275076	CC	GG	1940420379
SNP_P1_155106_35275293	NC_021166.1	Ca_kabuli_chr07	35275293	TT	CC	1940420380
SNP_P1_155107_35275378	NC_021166.1	Ca_kabuli_chr07	35275378	CC	TT	1940420381
SNP_P1_155110_35279374	NC_021166.1	Ca_kabuli_chr07	35279374	AA	GG	1940420382
SNP_P1_155111_35279507	NC_021166.1	Ca_kabuli_chr07	35279507	TT	CC	1940420383
SNP_P1_155112_35279861	NC_021166.1	Ca_kabuli_chr07	35279861	CC	AA	1940420384
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SNP_P1_155116_35280510	NC_021166.1	Ca_kabuli_chr07	35280510	AA	GG	1940420388
SNP_P1_155117_35281997	NC_021166.1	Ca_kabuli_chr07	35281997	AA	GG	1940420389
SNP_P1_155118_35282919	NC_021166.1	Ca_kabuli_chr07	35282919	TT	CC	1940420390
SNP_P1_155119_35283047	NC_021166.1	Ca_kabuli_chr07	35283047	TT	AA	1940420391
SNP_P1_155121_35285327	NC_021166.1	Ca_kabuli_chr07	35285327	GG	AA	1940420392
SNP_P1_155122_35285335	NC_021166.1	Ca_kabuli_chr07	35285335	CC	TT	1940420393

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_155123_35285356	NC_021166.1	Ca_kabuli_chr07	35285356	TT	CC	1940420394
SNP_P1_155126_35289661	NC_021166.1	Ca_kabuli_chr07	35289661	TT	AA	1940420395
SNP_P1_155128_35289951	NC_021166.1	Ca_kabuli_chr07	35289951	GG	AA	1940420396
SNP_P1_155130_35290189	NC_021166.1	Ca_kabuli_chr07	35290189	TT	AA	1940420397
SNP_P1_155132_35292349	NC_021166.1	Ca_kabuli_chr07	35292349	GG	AA	1940420398
SNP_P1_155136_35293444	NC_021166.1	Ca_kabuli_chr07	35293444	TT	CC	1940420399
SNP_P1_155139_35294557	NC_021166.1	Ca_kabuli_chr07	35294557	AA	CC	1940420400
SNP_P1_155140_35295514	NC_021166.1	Ca_kabuli_chr07	35295514	TT	CC	1940420401
SNP_P1_155141_35296716	NC_021166.1	Ca_kabuli_chr07	35296716	CC	TT	1940420402
SNP_P1_155142_35296728	NC_021166.1	Ca_kabuli_chr07	35296728	GG	AA	1940420403
SNP_P1_155143_35296759	NC_021166.1	Ca_kabuli_chr07	35296759	CC	TT	1940420404
SNP_P1_155144_35296763	NC_021166.1	Ca_kabuli_chr07	35296763	CC	TT	1940420405
SNP_P1_155145_35296912	NC_021166.1	Ca_kabuli_chr07	35296912	TT	CC	1940420406
SNP_P1_155146_35297044	NC_021166.1	Ca_kabuli_chr07	35297044	GG	TT	1940420407
SNP_P1_155147_35297751	NC_021166.1	Ca_kabuli_chr07	35297751	GG	AA	1940420408
SNP_P1_155148_35298370	NC_021166.1	Ca_kabuli_chr07	35298370	AA	GG	1940420409
SNP_P1_155149_35298539	NC_021166.1	Ca_kabuli_chr07	35298539	AA	TT	1940420410
SNP_P1_155150_35298552	NC_021166.1	Ca_kabuli_chr07	35298552	CC	AA	1940420411
SNP_P1_155151_35298750	NC_021166.1	Ca_kabuli_chr07	35298750	AA	TT	1940420412
SNP_P1_155152_35299094	NC_021166.1	Ca_kabuli_chr07	35299094	GG	AA	1940420413
SNP_P1_155153_35299814	NC_021166.1	Ca_kabuli_chr07	35299814	TT	CC	1940420414
SNP_P1_155154_35300471	NC_021166.1	Ca_kabuli_chr07	35300471	GG	AA	1940420415
SNP_P1_155155_35300824	NC_021166.1	Ca_kabuli_chr07	35300824	CC	TT	1940420416
SNP_P1_155157_35303969	NC_021166.1	Ca_kabuli_chr07	35303969	TT	CC	1940420417
SNP_P1_155158_35303985	NC_021166.1	Ca_kabuli_chr07	35303985	AA	CC	1940420418
SNP_P1_155159_35304114	NC_021166.1	Ca_kabuli_chr07	35304114	TT	AA	1940420419
SNP_P1_155160_35304259	NC_021166.1	Ca_kabuli_chr07	35304259	GG	AA	1940420420
SNP_P1_155162_35305229	NC_021166.1	Ca_kabuli_chr07	35305229	GG	AA	1940420421
SNP_P1_155163_35305871	NC_021166.1	Ca_kabuli_chr07	35305871	AA	TT	1940420422
SNP_P1_155165_35305917	NC_021166.1	Ca_kabuli_chr07	35305917	GG	AA	1940420423
SNP_P1_155166_35306183	NC_021166.1	Ca_kabuli_chr07	35306183	CC	GG	1940420424
SNP_P1_155167_35306255	NC_021166.1	Ca_kabuli_chr07	35306255	CC	AA	1940420425
SNP_P1_155168_35307563	NC_021166.1	Ca_kabuli_chr07	35307563	CC	TT	1940420426
SNP_P1_155169_35307966	NC_021166.1	Ca_kabuli_chr07	35307966	CC	AA	1940420427
SNP_P1_155170_35308084	NC_021166.1	Ca_kabuli_chr07	35308084	TT	AA	1940420428
SNP_P1_155171_35308086	NC_021166.1	Ca_kabuli_chr07	35308086	AA	GG	1940420429
SNP_P1_155172_35308097	NC_021166.1	Ca_kabuli_chr07	35308097	CC	AA	1940420430
SNP_P1_155174_35310166	NC_021166.1	Ca_kabuli_chr07	35310166	GG	AA	1940420431
SNP_P1_155175_35310193	NC_021166.1	Ca_kabuli_chr07	35310193	TT	AA	1940420432
SNP_P1_155176_35312126	NC_021166.1	Ca_kabuli_chr07	35312126	TT	CC	1940420433
SNP_P1_155177_35312128	NC_021166.1	Ca_kabuli_chr07	35312128	TT	CC	1940420434
SNP_P1_155178_35312301	NC_021166.1	Ca_kabuli_chr07	35312301	TT	CC	1940420435

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_155179_35312305	NC_021166.1	Ca_kabuli_chr07	35312305	CC	TT	1940420436
SNP_P1_155180_35312353	NC_021166.1	Ca_kabuli_chr07	35312353	CC	TT	1940420437
SNP_P1_155181_35312371	NC_021166.1	Ca_kabuli_chr07	35312371	GG	AA	1940420438
SNP_P1_155182_35312606	NC_021166.1	Ca_kabuli_chr07	35312606	TT	AA	1940420439
SNP_P1_155183_35312648	NC_021166.1	Ca_kabuli_chr07	35312648	AA	GG	1940420440
SNP_P1_155184_35312701	NC_021166.1	Ca_kabuli_chr07	35312701	TT	CC	1940420441
SNP_P1_155185_35312832	NC_021166.1	Ca_kabuli_chr07	35312832	AA	GG	1940420442
SNP_P1_155186_35312840	NC_021166.1	Ca_kabuli_chr07	35312840	GG	TT	1940420443
SNP_P1_155187_35312994	NC_021166.1	Ca_kabuli_chr07	35312994	TT	CC	1940420444
SNP_P1_155188_35313046	NC_021166.1	Ca_kabuli_chr07	35313046	CC	TT	1940420445
SNP_P1_155189_35313064	NC_021166.1	Ca_kabuli_chr07	35313064	AA	GG	1940420446
SNP_P1_155190_35313073	NC_021166.1	Ca_kabuli_chr07	35313073	CC	AA	1940420447
SNP_P1_155191_35313083	NC_021166.1	Ca_kabuli_chr07	35313083	TT	CC	1940420448
SNP_P1_155192_35313313	NC_021166.1	Ca_kabuli_chr07	35313313	AA	GG	1940420449
SNP_P1_155193_35313603	NC_021166.1	Ca_kabuli_chr07	35313603	GG	AA	1940420450
SNP_P1_155195_35313657	NC_021166.1	Ca_kabuli_chr07	35313657	CC	TT	1940420451
SNP_P1_155196_35313756	NC_021166.1	Ca_kabuli_chr07	35313756	TT	GG	1940420452
SNP_P1_155197_35313830	NC_021166.1	Ca_kabuli_chr07	35313830	AA	TT	1940420453
SNP_P1_155198_35313839	NC_021166.1	Ca_kabuli_chr07	35313839	TT	GG	1940420454
SNP_P1_155199_35313872	NC_021166.1	Ca_kabuli_chr07	35313872	GG	TT	1940420455
SNP_P1_155200_35313952	NC_021166.1	Ca_kabuli_chr07	35313952	GG	AA	1940420456
SNP_P1_155201_35313968	NC_021166.1	Ca_kabuli_chr07	35313968	CC	AA	1940420457
SNP_P1_155202_35313985	NC_021166.1	Ca_kabuli_chr07	35313985	CC	TT	1940420458
SNP_P1_155203_35314016	NC_021166.1	Ca_kabuli_chr07	35314016	GG	AA	1940420459
SNP_P1_155204_35314048	NC_021166.1	Ca_kabuli_chr07	35314048	AA	GG	1940420460
SNP_P1_155205_35315107	NC_021166.1	Ca_kabuli_chr07	35315107	CC	TT	1940420461
SNP_P1_155206_35315298	NC_021166.1	Ca_kabuli_chr07	35315298	GG	TT	1940420462
SNP_P1_155207_35315511	NC_021166.1	Ca_kabuli_chr07	35315511	CC	TT	1940420463
SNP_P1_155208_35315530	NC_021166.1	Ca_kabuli_chr07	35315530	AA	GG	1940420464
SNP_P1_155209_35315949	NC_021166.1	Ca_kabuli_chr07	35315949	AA	CC	1940420465
SNP_P1_155210_35315983	NC_021166.1	Ca_kabuli_chr07	35315983	GG	CC	1940420466
SNP_P1_155212_35316277	NC_021166.1	Ca_kabuli_chr07	35316277	AA	GG	1940420467
SNP_P1_155213_35316289	NC_021166.1	Ca_kabuli_chr07	35316289	CC	GG	1940420468
SNP_P1_155214_35316932	NC_021166.1	Ca_kabuli_chr07	35316932	AA	CC	1940420469
SNP_P1_155215_35316991	NC_021166.1	Ca_kabuli_chr07	35316991	CC	GG	1940420470
SNP_P1_155218_35317535	NC_021166.1	Ca_kabuli_chr07	35317535	AA	GG	1940420471
SNP_P1_155219_35318155	NC_021166.1	Ca_kabuli_chr07	35318155	AA	CC	1940420472
SNP_P1_155221_35318530	NC_021166.1	Ca_kabuli_chr07	35318530	AA	GG	1940420473
SNP_P1_155222_35318577	NC_021166.1	Ca_kabuli_chr07	35318577	TT	AA	1940420474
SNP_P1_155223_35318927	NC_021166.1	Ca_kabuli_chr07	35318927	GG	AA	1940420475
SNP_P1_155224_35319145	NC_021166.1	Ca_kabuli_chr07	35319145	TT	CC	1940420476
SNP_P1_155225_35319151	NC_021166.1	Ca_kabuli_chr07	35319151	GG	AA	1940420477

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_155226_35320395	NC_021166.1	Ca_kabuli_chr07	35320395	AA	GG	1940420478
SNP_P1_155227_35320631	NC_021166.1	Ca_kabuli_chr07	35320631	CC	TT	1940420479
SNP_P1_155228_35321901	NC_021166.1	Ca_kabuli_chr07	35321901	CC	TT	1940420480
SNP_P1_155229_35321927	NC_021166.1	Ca_kabuli_chr07	35321927	AA	CC	1940420481
SNP_P1_155230_35322956	NC_021166.1	Ca_kabuli_chr07	35322956	CC	TT	1940420482
SNP_P1_155231_35322961	NC_021166.1	Ca_kabuli_chr07	35322961	CC	AA	1940420483
SNP_P1_155232_35323102	NC_021166.1	Ca_kabuli_chr07	35323102	TT	CC	1940420484
SNP_P1_155233_35323183	NC_021166.1	Ca_kabuli_chr07	35323183	TT	GG	1940420486
SNP_P1_155234_35324207	NC_021166.1	Ca_kabuli_chr07	35324207	GG	AA	1940420487
SNP_P1_155235_35325396	NC_021166.1	Ca_kabuli_chr07	35325396	AA	GG	1940420488
SNP_P1_155236_35326571	NC_021166.1	Ca_kabuli_chr07	35326571	GG	AA	1940420489
SNP_P1_155237_35328713	NC_021166.1	Ca_kabuli_chr07	35328713	GG	AA	1940420490
SNP_P1_155238_35329002	NC_021166.1	Ca_kabuli_chr07	35329002	GG	AA	1940420491
SNP_P1_155239_35329593	NC_021166.1	Ca_kabuli_chr07	35329593	AA	GG	1940420492
SNP_P1_155241_35330085	NC_021166.1	Ca_kabuli_chr07	35330085	GG	TT	1940420493
SNP_P1_155242_35330117	NC_021166.1	Ca_kabuli_chr07	35330117	CC	TT	1940420494
SNP_P1_155243_35330400	NC_021166.1	Ca_kabuli_chr07	35330400	AA	GG	1940420495
SNP_P1_155244_35330402	NC_021166.1	Ca_kabuli_chr07	35330402	CC	TT	1940420496
SNP_P1_155246_35331707	NC_021166.1	Ca_kabuli_chr07	35331707	GG	AA	1940420497
SNP_P1_155248_35332690	NC_021166.1	Ca_kabuli_chr07	35332690	TT	CC	1940420498
SNP_P1_155249_35332717	NC_021166.1	Ca_kabuli_chr07	35332717	TT	GG	1940420499
SNP_P1_155251_35332783	NC_021166.1	Ca_kabuli_chr07	35332783	AA	GG	1940420500
SNP_P1_155254_35333073	NC_021166.1	Ca_kabuli_chr07	35333073	TT	CC	1940420501
SNP_P1_155255_35333294	NC_021166.1	Ca_kabuli_chr07	35333294	TT	CC	1940420502
SNP_P1_155256_35333332	NC_021166.1	Ca_kabuli_chr07	35333332	GG	TT	1940420503
SNP_P1_155257_35333371	NC_021166.1	Ca_kabuli_chr07	35333371	CC	AA	1940420504
SNP_P1_155258_35333427	NC_021166.1	Ca_kabuli_chr07	35333427	AA	TT	1940420505
SNP_P1_155259_35335004	NC_021166.1	Ca_kabuli_chr07	35335004	CC	TT	1940420506
SNP_P1_155260_35335737	NC_021166.1	Ca_kabuli_chr07	35335737	TT	CC	1940420507
SNP_P1_155262_35337970	NC_021166.1	Ca_kabuli_chr07	35337970	AA	TT	1940420508
SNP_P1_155263_35337997	NC_021166.1	Ca_kabuli_chr07	35337997	AA	TT	1940420509
SNP_P1_155264_35339078	NC_021166.1	Ca_kabuli_chr07	35339078	TT	CC	1940420510
SNP_P1_155265_35339600	NC_021166.1	Ca_kabuli_chr07	35339600	GG	TT	1940420511
SNP_P1_155266_35339604	NC_021166.1	Ca_kabuli_chr07	35339604	GG	CC	1940420512
SNP_P1_155267_35340402	NC_021166.1	Ca_kabuli_chr07	35340402	AA	GG	1940420513
SNP_P1_155268_35340552	NC_021166.1	Ca_kabuli_chr07	35340552	TT	AA	1940420514
SNP_P1_155269_35340597	NC_021166.1	Ca_kabuli_chr07	35340597	CC	GG	1940420515
SNP_P1_155270_35340607	NC_021166.1	Ca_kabuli_chr07	35340607	TT	CC	1940420516
SNP_P1_155271_35342783	NC_021166.1	Ca_kabuli_chr07	35342783	AA	GG	1940420517
SNP_P1_155272_35344411	NC_021166.1	Ca_kabuli_chr07	35344411	CC	TT	1940420518
SNP_P1_155273_35345452	NC_021166.1	Ca_kabuli_chr07	35345452	TT	GG	1940420519
SNP_P1_155274_35345684	NC_021166.1	Ca_kabuli_chr07	35345684	AA	TT	1940420520

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_155275_35345727	NC_021166.1	Ca_kabuli_chr07	35345727	TT	CC	1940420521
SNP_P1_155276_35345731	NC_021166.1	Ca_kabuli_chr07	35345731	TT	GG	1940420522
SNP_P1_155277_35345896	NC_021166.1	Ca_kabuli_chr07	35345896	AA	GG	1940420523
SNP_P1_155278_35345930	NC_021166.1	Ca_kabuli_chr07	35345930	TT	CC	1940420524
SNP_P1_155279_35346012	NC_021166.1	Ca_kabuli_chr07	35346012	CC	TT	1940420525
SNP_P1_155280_35346026	NC_021166.1	Ca_kabuli_chr07	35346026	CC	AA	1940420526
SNP_P1_155282_35347542	NC_021166.1	Ca_kabuli_chr07	35347542	GG	AA	1940420527
SNP_P1_155283_35347687	NC_021166.1	Ca_kabuli_chr07	35347687	TT	CC	1940420528
SNP_P1_155284_35347694	NC_021166.1	Ca_kabuli_chr07	35347694	AA	TT	1940420529
SNP_P1_155286_35347728	NC_021166.1	Ca_kabuli_chr07	35347728	AA	CC	1940420530
SNP_P1_155288_35348816	NC_021166.1	Ca_kabuli_chr07	35348816	TT	CC	1940420531
SNP_P1_155289_35349132	NC_021166.1	Ca_kabuli_chr07	35349132	AA	GG	1940420532
SNP_P1_155291_35349345	NC_021166.1	Ca_kabuli_chr07	35349345	AA	GG	1940420533
SNP_P1_155292_35349698	NC_021166.1	Ca_kabuli_chr07	35349698	CC	TT	1940420534
SNP_P1_155293_35349720	NC_021166.1	Ca_kabuli_chr07	35349720	AA	CC	1940420535
SNP_P1_155294_35349722	NC_021166.1	Ca_kabuli_chr07	35349722	CC	AA	1940420536
SNP_P1_155295_35356884	NC_021166.1	Ca_kabuli_chr07	35356884	AA	TT	1940420537
SNP_P1_155296_35356885	NC_021166.1	Ca_kabuli_chr07	35356885	CC	TT	1940420538
SNP_P1_155297_35356954	NC_021166.1	Ca_kabuli_chr07	35356954	GG	AA	1940420539
SNP_P1_155298_35357203	NC_021166.1	Ca_kabuli_chr07	35357203	AA	GG	1940420540
SNP_P1_155299_35357501	NC_021166.1	Ca_kabuli_chr07	35357501	TT	GG	1940420541
SNP_P1_155300_35357516	NC_021166.1	Ca_kabuli_chr07	35357516	CC	TT	1940420542
SNP_P1_155301_35357519	NC_021166.1	Ca_kabuli_chr07	35357519	TT	CC	1940420543
SNP_P1_155302_35357730	NC_021166.1	Ca_kabuli_chr07	35357730	AA	GG	1940420544
SNP_P1_155304_35357978	NC_021166.1	Ca_kabuli_chr07	35357978	CC	AA	1940420545
SNP_P1_155305_35358269	NC_021166.1	Ca_kabuli_chr07	35358269	CC	AA	1940420546
SNP_P1_155306_35360971	NC_021166.1	Ca_kabuli_chr07	35360971	TT	GG	1940420547
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SNP_P1_155308_35361234	NC_021166.1	Ca_kabuli_chr07	35361234	CC	TT	1940420549
SNP_P1_155309_35361253	NC_021166.1	Ca_kabuli_chr07	35361253	AA	GG	1940420550
SNP_P1_155310_35361314	NC_021166.1	Ca_kabuli_chr07	35361314	GG	CC	1940420551
SNP_P1_155311_35361315	NC_021166.1	Ca_kabuli_chr07	35361315	TT	AA	1940420552
SNP_P1_155313_35364090	NC_021166.1	Ca_kabuli_chr07	35364090	TT	CC	1940420553
SNP_P1_155314_35364092	NC_021166.1	Ca_kabuli_chr07	35364092	GG	AA	1940420554
SNP_P1_155316_35365100	NC_021166.1	Ca_kabuli_chr07	35365100	CC	TT	1940420555
SNP_P1_155317_35365154	NC_021166.1	Ca_kabuli_chr07	35365154	TT	CC	1940420556
SNP_P1_155318_35365194	NC_021166.1	Ca_kabuli_chr07	35365194	AA	TT	1940420557
SNP_P1_155319_35365242	NC_021166.1	Ca_kabuli_chr07	35365242	TT	AA	1940420558
SNP_P1_155320_35365245	NC_021166.1	Ca_kabuli_chr07	35365245	AA	GG	1940420559
SNP_P1_155321_35365253	NC_021166.1	Ca_kabuli_chr07	35365253	TT	CC	1940420560
SNP_P1_155322_35365381	NC_021166.1	Ca_kabuli_chr07	35365381	GG	CC	1940420561
SNP_P1_155323_35365391	NC_021166.1	Ca_kabuli_chr07	35365391	TT	AA	1940420562

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155325_35365456	NC_021166.1	Ca_kabuli_chr07	35365456	TT	CC	1940420564
SNP_P1_155326_35365706	NC_021166.1	Ca_kabuli_chr07	35365706	GG	AA	1940420565
SNP_P1_155327_35365715	NC_021166.1	Ca_kabuli_chr07	35365715	GG	CC	1940420566
SNP_P1_155328_35365734	NC_021166.1	Ca_kabuli_chr07	35365734	TT	CC	1940420567
SNP_P1_155329_35365835	NC_021166.1	Ca_kabuli_chr07	35365835	GG	AA	1940420568
SNP_P1_155330_35365851	NC_021166.1	Ca_kabuli_chr07	35365851	GG	AA	1940420569
SNP_P1_155331_35365911	NC_021166.1	Ca_kabuli_chr07	35365911	GG	AA	1940420570
SNP_P1_155332_35366153	NC_021166.1	Ca_kabuli_chr07	35366153	GG	CC	1940420571
SNP_P1_155333_35366344	NC_021166.1	Ca_kabuli_chr07	35366344	AA	CC	1940420572
SNP_P1_155335_35366420	NC_021166.1	Ca_kabuli_chr07	35366420	GG	AA	1940420573
SNP_P1_155336_35366425	NC_021166.1	Ca_kabuli_chr07	35366425	TT	CC	1940420574
SNP_P1_155337_35366427	NC_021166.1	Ca_kabuli_chr07	35366427	TT	AA	1940420575
SNP_P1_155338_35366480	NC_021166.1	Ca_kabuli_chr07	35366480	AA	GG	1940420576
SNP_P1_155339_35366575	NC_021166.1	Ca_kabuli_chr07	35366575	TT	AA	1940420577
SNP_P1_155342_35367092	NC_021166.1	Ca_kabuli_chr07	35367092	GG	AA	1940420578
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SNP_P1_155344_35367852	NC_021166.1	Ca_kabuli_chr07	35367852	CC	TT	1940420580
SNP_P1_155346_35369031	NC_021166.1	Ca_kabuli_chr07	35369031	AA	GG	1940420581
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SNP_P1_155350_35369122	NC_021166.1	Ca_kabuli_chr07	35369122	GG	AA	1940420585
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SNP_P1_155358_35372450	NC_021166.1	Ca_kabuli_chr07	35372450	GG	CC	1940420591
SNP_P1_155359_35372517	NC_021166.1	Ca_kabuli_chr07	35372517	CC	TT	1940420592
SNP_P1_155360_35373633	NC_021166.1	Ca_kabuli_chr07	35373633	CC	AA	1940420593
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SNP_P1_155362_35373908	NC_021166.1	Ca_kabuli_chr07	35373908	GG	AA	1940420595
SNP_P1_155363_35374822	NC_021166.1	Ca_kabuli_chr07	35374822	CC	AA	1940420596
SNP_P1_155364_35375136	NC_021166.1	Ca_kabuli_chr07	35375136	AA	GG	1940420597
SNP_P1_155366_35375586	NC_021166.1	Ca_kabuli_chr07	35375586	AA	GG	1940420598
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SNP_P1_155369_35376840	NC_021166.1	Ca_kabuli_chr07	35376840	AA	GG	1940420601
SNP_P1_155370_35376858	NC_021166.1	Ca_kabuli_chr07	35376858	TT	CC	1940420602
SNP_P1_155371_35376859	NC_021166.1	Ca_kabuli_chr07	35376859	GG	AA	1940420603
SNP_P1_155372_35377106	NC_021166.1	Ca_kabuli_chr07	35377106	CC	AA	1940420604

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155377_35379007	NC_021166.1	Ca_kabuli_chr07	35379007	GG	AA	1940420607
SNP_P1_155378_35379024	NC_021166.1	Ca_kabuli_chr07	35379024	CC	TT	1940420608
SNP_P1_155379_35379060	NC_021166.1	Ca_kabuli_chr07	35379060	CC	AA	1940420609
SNP_P1_155380_35379674	NC_021166.1	Ca_kabuli_chr07	35379674	TT	AA	1940420610
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SNP_P1_155386_35379852	NC_021166.1	Ca_kabuli_chr07	35379852	GG	AA	1940420613
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SNP_P1_155389_35380068	NC_021166.1	Ca_kabuli_chr07	35380068	CC	TT	1940420615
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SNP_P1_155393_35380386	NC_021166.1	Ca_kabuli_chr07	35380386	AA	GG	1940420619
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SNP_P1_155400_35382636	NC_021166.1	Ca_kabuli_chr07	35382636	TT	CC	1940420626
SNP_P1_155401_35382685	NC_021166.1	Ca_kabuli_chr07	35382685	AA	CC	1940420627
SNP_P1_155402_35382686	NC_021166.1	Ca_kabuli_chr07	35382686	CC	GG	1940420628
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SNP_P1_155410_35383100	NC_021166.1	Ca_kabuli_chr07	35383100	AA	GG	1940420636
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SNP_P1_155413_35383368	NC_021166.1	Ca_kabuli_chr07	35383368	TT	GG	1940420639
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SNP_P1_155416_35383641	NC_021166.1	Ca_kabuli_chr07	35383641	CC	AA	1940420642
SNP_P1_155417_35383664	NC_021166.1	Ca_kabuli_chr07	35383664	AA	GG	1940420643
SNP_P1_155418_35383713	NC_021166.1	Ca_kabuli_chr07	35383713	CC	TT	1940420644
SNP_P1_155419_35384465	NC_021166.1	Ca_kabuli_chr07	35384465	GG	TT	1940420645
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SNP_P1_155422_35385177	NC_021166.1	Ca_kabuli_chr07	35385177	GG	CC	1940420647

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155424_35386046	NC_021166.1	Ca_kabuli_chr07	35386046	GG	AA	1940420649
SNP_P1_155425_35386065	NC_021166.1	Ca_kabuli_chr07	35386065	TT	CC	1940420650
SNP_P1_155427_35386128	NC_021166.1	Ca_kabuli_chr07	35386128	CC	TT	1940420651
SNP_P1_155428_35386140	NC_021166.1	Ca_kabuli_chr07	35386140	AA	GG	1940420652
SNP_P1_155429_35386572	NC_021166.1	Ca_kabuli_chr07	35386572	CC	TT	1940420653
SNP_P1_155430_35386830	NC_021166.1	Ca_kabuli_chr07	35386830	TT	CC	1940420654
SNP_P1_155431_35386838	NC_021166.1	Ca_kabuli_chr07	35386838	GG	AA	1940420655
SNP_P1_155432_35387674	NC_021166.1	Ca_kabuli_chr07	35387674	GG	AA	1940420656
SNP_P1_155433_35387675	NC_021166.1	Ca_kabuli_chr07	35387675	TT	GG	1940420657
SNP_P1_155435_35392173	NC_021166.1	Ca_kabuli_chr07	35392173	TT	CC	1940420658
SNP_P1_155436_35392334	NC_021166.1	Ca_kabuli_chr07	35392334	AA	TT	1940420659
SNP_P1_155437_35392379	NC_021166.1	Ca_kabuli_chr07	35392379	GG	TT	1940420660
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SNP_P1_155439_35392730	NC_021166.1	Ca_kabuli_chr07	35392730	CC	TT	1940420662
SNP_P1_155440_35392736	NC_021166.1	Ca_kabuli_chr07	35392736	CC	TT	1940420663
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SNP_P1_155446_35407302	NC_021166.1	Ca_kabuli_chr07	35407302	TT	CC	1940420669
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SNP_P1_155456_35461922	NC_021166.1	Ca_kabuli_chr07	35461922	TT	CC	1940420676
SNP_P1_155457_35461977	NC_021166.1	Ca_kabuli_chr07	35461977	TT	CC	1940420677
SNP_P1_155458_35461983	NC_021166.1	Ca_kabuli_chr07	35461983	AA	GG	1940420678
SNP_P1_155459_35461993	NC_021166.1	Ca_kabuli_chr07	35461993	AA	TT	1940420679
SNP_P1_155460_35462012	NC_021166.1	Ca_kabuli_chr07	35462012	TT	CC	1940420680
SNP_P1_155461_35462035	NC_021166.1	Ca_kabuli_chr07	35462035	AA	CC	1940420681
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SNP_P1_155463_35463554	NC_021166.1	Ca_kabuli_chr07	35463554	CC	AA	1940420683
SNP_P1_155464_35463574	NC_021166.1	Ca_kabuli_chr07	35463574	AA	CC	1940420684
SNP_P1_155465_35463597	NC_021166.1	Ca_kabuli_chr07	35463597	TT	CC	1940420685
SNP_P1_155466_35463623	NC_021166.1	Ca_kabuli_chr07	35463623	TT	CC	1940420686
SNP_P1_155467_35463907	NC_021166.1	Ca_kabuli_chr07	35463907	AA	GG	1940420687
SNP_P1_155468_35463953	NC_021166.1	Ca_kabuli_chr07	35463953	TT	CC	1940420688
SNP_P1_155469_35473144	NC_021166.1	Ca_kabuli_chr07	35473144	GG	AA	1940420689

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155472_35480393	NC_021166.1	Ca_kabuli_chr07	35480393	AA	CC	1940420692
SNP_P1_155473_35480402	NC_021166.1	Ca_kabuli_chr07	35480402	AA	GG	1940420693
SNP_P1_155474_35480442	NC_021166.1	Ca_kabuli_chr07	35480442	AA	CC	1940420694
SNP_P1_155475_35480462	NC_021166.1	Ca_kabuli_chr07	35480462	CC	TT	1940420695
SNP_P1_155476_35481300	NC_021166.1	Ca_kabuli_chr07	35481300	AA	TT	1940420696
SNP_P1_155478_35481337	NC_021166.1	Ca_kabuli_chr07	35481337	CC	TT	1940420697
SNP_P1_155480_35481469	NC_021166.1	Ca_kabuli_chr07	35481469	CC	TT	1940420698
SNP_P1_155482_35481615	NC_021166.1	Ca_kabuli_chr07	35481615	AA	GG	1940420699
SNP_P1_155483_35481622	NC_021166.1	Ca_kabuli_chr07	35481622	AA	CC	1940420700
SNP_P1_155484_35481640	NC_021166.1	Ca_kabuli_chr07	35481640	AA	TT	1940420701
SNP_P1_155485_35481683	NC_021166.1	Ca_kabuli_chr07	35481683	AA	CC	1940420702
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SNP_P1_155502_35514737	NC_021166.1	Ca_kabuli_chr07	35514737	TT	CC	1940420719
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SNP_P1_155504_35524140	NC_021166.1	Ca_kabuli_chr07	35524140	GG	TT	1940420721
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SNP_P1_155507_35573303	NC_021166.1	Ca_kabuli_chr07	35573303	GG	AA	1940420723
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SNP_P1_155512_35650857	NC_021166.1	Ca_kabuli_chr07	35650857	CC	TT	1940420728
SNP_P1_155513_35654405	NC_021166.1	Ca_kabuli_chr07	35654405	CC	TT	1940420729
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155521_35694459	NC_021166.1	Ca_kabuli_chr07	35694459	GG	TT	1940420735
SNP_P1_155522_35705750	NC_021166.1	Ca_kabuli_chr07	35705750	AA	CC	1940420736
SNP_P1_155523_35716712	NC_021166.1	Ca_kabuli_chr07	35716712	GG	AA	1940420737
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SNP_P1_155526_35752972	NC_021166.1	Ca_kabuli_chr07	35752972	CC	TT	1940420740
SNP_P1_155527_35753004	NC_021166.1	Ca_kabuli_chr07	35753004	AA	GG	1940420741
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SNP_P1_155529_35753042	NC_021166.1	Ca_kabuli_chr07	35753042	TT	CC	1940420743
SNP_P1_155530_35761045	NC_021166.1	Ca_kabuli_chr07	35761045	AA	CC	1940420744
SNP_P1_155531_35782648	NC_021166.1	Ca_kabuli_chr07	35782648	GG	AA	1940420745
SNP_P1_155532_35785943	NC_021166.1	Ca_kabuli_chr07	35785943	AA	GG	1940420746
SNP_P1_155533_35786366	NC_021166.1	Ca_kabuli_chr07	35786366	GG	AA	1940420747
SNP_P1_155537_35802771	NC_021166.1	Ca_kabuli_chr07	35802771	CC	TT	1940420748
SNP_P1_155539_35856434	NC_021166.1	Ca_kabuli_chr07	35856434	CC	TT	1940420749
SNP_P1_155542_35863340	NC_021166.1	Ca_kabuli_chr07	35863340	AA	GG	1940420750
SNP_P1_155543_35864074	NC_021166.1	Ca_kabuli_chr07	35864074	TT	CC	1940420751
SNP_P1_155544_35868728	NC_021166.1	Ca_kabuli_chr07	35868728	AA	GG	1940420752
SNP_P1_155546_35895086	NC_021166.1	Ca_kabuli_chr07	35895086	TT	AA	1940420753
SNP_P1_155548_35915812	NC_021166.1	Ca_kabuli_chr07	35915812	GG	AA	1940420754
SNP_P1_155549_35917644	NC_021166.1	Ca_kabuli_chr07	35917644	GG	TT	1940420755
SNP_P1_155550_35920403	NC_021166.1	Ca_kabuli_chr07	35920403	AA	GG	1940420756
SNP_P1_155552_35923390	NC_021166.1	Ca_kabuli_chr07	35923390	TT	AA	1940420757
SNP_P1_155553_35925436	NC_021166.1	Ca_kabuli_chr07	35925436	AA	GG	1940420758
SNP_P1_155554_35925542	NC_021166.1	Ca_kabuli_chr07	35925542	GG	AA	1940420759
SNP_P1_155555_35932532	NC_021166.1	Ca_kabuli_chr07	35932532	AA	GG	1940420760
SNP_P1_155557_35942073	NC_021166.1	Ca_kabuli_chr07	35942073	TT	CC	1940420761
SNP_P1_155558_35942088	NC_021166.1	Ca_kabuli_chr07	35942088	GG	TT	1940420762
SNP_P1_155559_35942093	NC_021166.1	Ca_kabuli_chr07	35942093	AA	CC	1940420763
SNP_P1_155560_35942363	NC_021166.1	Ca_kabuli_chr07	35942363	CC	TT	1940420764
SNP_P1_155561_35942646	NC_021166.1	Ca_kabuli_chr07	35942646	AA	GG	1940420765
SNP_P1_155562_35943421	NC_021166.1	Ca_kabuli_chr07	35943421	GG	AA	1940420766
SNP_P1_155563_35943496	NC_021166.1	Ca_kabuli_chr07	35943496	TT	GG	1940420767
SNP_P1_155564_35950963	NC_021166.1	Ca_kabuli_chr07	35950963	AA	GG	1940420768
SNP_P1_155565_35950977	NC_021166.1	Ca_kabuli_chr07	35950977	TT	GG	1940420769
SNP_P1_155566_35951584	NC_021166.1	Ca_kabuli_chr07	35951584	AA	GG	1940420770
SNP_P1_155567_35953503	NC_021166.1	Ca_kabuli_chr07	35953503	AA	GG	1940420771
SNP_P1_155568_35953524	NC_021166.1	Ca_kabuli_chr07	35953524	TT	AA	1940420772
SNP_P1_155569_35953527	NC_021166.1	Ca_kabuli_chr07	35953527	GG	TT	1940420773

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155571_35959650	NC_021166.1	Ca_kabuli_chr07	35959650	TT	CC	1940420775
SNP_P1_155572_35959878	NC_021166.1	Ca_kabuli_chr07	35959878	GG	AA	1940420776
SNP_P1_155573_35959982	NC_021166.1	Ca_kabuli_chr07	35959982	CC	GG	1940420777
SNP_P1_155574_35961575	NC_021166.1	Ca_kabuli_chr07	35961575	TT	AA	1940420778
SNP_P1_155575_35971515	NC_021166.1	Ca_kabuli_chr07	35971515	TT	CC	1940420779
SNP_P1_155576_35979286	NC_021166.1	Ca_kabuli_chr07	35979286	CC	GG	1940420780
SNP_P1_155577_35979598	NC_021166.1	Ca_kabuli_chr07	35979598	TT	CC	1940420781
SNP_P1_155578_35979649	NC_021166.1	Ca_kabuli_chr07	35979649	AA	GG	1940420782
SNP_P1_155579_35979672	NC_021166.1	Ca_kabuli_chr07	35979672	CC	TT	1940420784
SNP_P1_155580_35981728	NC_021166.1	Ca_kabuli_chr07	35981728	TT	CC	1940420785
SNP_P1_155581_35982488	NC_021166.1	Ca_kabuli_chr07	35982488	TT	CC	1940420786
SNP_P1_155582_35982525	NC_021166.1	Ca_kabuli_chr07	35982525	TT	CC	1940420787
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SNP_P1_155586_36060923	NC_021166.1	Ca_kabuli_chr07	36060923	AA	CC	1940420790
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SNP_P1_155592_36131899	NC_021166.1	Ca_kabuli_chr07	36131899	AA	GG	1940420795
SNP_P1_155593_36133028	NC_021166.1	Ca_kabuli_chr07	36133028	TT	CC	1940420796
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SNP_P1_155601_36138126	NC_021166.1	Ca_kabuli_chr07	36138126	AA	TT	1940420804
SNP_P1_155602_36138140	NC_021166.1	Ca_kabuli_chr07	36138140	CC	TT	1940420805
SNP_P1_155603_36139707	NC_021166.1	Ca_kabuli_chr07	36139707	AA	TT	1940420806
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SNP_P1_155607_36190909	NC_021166.1	Ca_kabuli_chr07	36190909	TT	CC	1940420810
SNP_P1_155608_36191179	NC_021166.1	Ca_kabuli_chr07	36191179	CC	TT	1940420811
SNP_P1_155609_36198180	NC_021166.1	Ca_kabuli_chr07	36198180	GG	AA	1940420812
SNP_P1_155610_36236254	NC_021166.1	Ca_kabuli_chr07	36236254	TT	AA	1940420813
SNP_P1_155612_36274329	NC_021166.1	Ca_kabuli_chr07	36274329	CC	TT	1940420814
SNP_P1_155613_36277040	NC_021166.1	Ca_kabuli_chr07	36277040	TT	GG	1940420815
SNP_P1_155614_36300367	NC_021166.1	Ca_kabuli_chr07	36300367	CC	TT	1940420816

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155616_36321252	NC_021166.1	Ca_kabuli_chr07	36321252	TT	AA	1940420818
SNP_P1_155617_36341428	NC_021166.1	Ca_kabuli_chr07	36341428	CC	TT	1940420819
SNP_P1_155618_36346635	NC_021166.1	Ca_kabuli_chr07	36346635	AA	TT	1940420820
SNP_P1_155619_36353471	NC_021166.1	Ca_kabuli_chr07	36353471	AA	GG	1940420821
SNP_P1_155622_36375785	NC_021166.1	Ca_kabuli_chr07	36375785	AA	GG	1940420822
SNP_P1_155623_36375840	NC_021166.1	Ca_kabuli_chr07	36375840	AA	TT	1940420823
SNP_P1_155624_36375875	NC_021166.1	Ca_kabuli_chr07	36375875	TT	CC	1940420824
SNP_P1_155625_36375909	NC_021166.1	Ca_kabuli_chr07	36375909	AA	GG	1940420825
SNP_P1_155626_36376007	NC_021166.1	Ca_kabuli_chr07	36376007	CC	TT	1940420826
SNP_P1_155627_36382973	NC_021166.1	Ca_kabuli_chr07	36382973	CC	TT	1940420827
SNP_P1_155628_36383983	NC_021166.1	Ca_kabuli_chr07	36383983	GG	TT	1940420828
SNP_P1_155629_36386809	NC_021166.1	Ca_kabuli_chr07	36386809	TT	AA	1940420829
SNP_P1_155630_36387365	NC_021166.1	Ca_kabuli_chr07	36387365	TT	CC	1940420830
SNP_P1_155631_36389971	NC_021166.1	Ca_kabuli_chr07	36389971	AA	TT	1940420831
SNP_P1_155632_36404662	NC_021166.1	Ca_kabuli_chr07	36404662	AA	CC	1940420832
SNP_P1_155633_36407390	NC_021166.1	Ca_kabuli_chr07	36407390	AA	TT	1940420833
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SNP_P1_155638_36429925	NC_021166.1	Ca_kabuli_chr07	36429925	AA	GG	1940420837
SNP_P1_155639_36429930	NC_021166.1	Ca_kabuli_chr07	36429930	CC	TT	1940420838
SNP_P1_155640_36436328	NC_021166.1	Ca_kabuli_chr07	36436328	TT	CC	1940420839
SNP_P1_155641_36436329	NC_021166.1	Ca_kabuli_chr07	36436329	AA	TT	1940420840
SNP_P1_155643_36441600	NC_021166.1	Ca_kabuli_chr07	36441600	GG	AA	1940420841
SNP_P1_155644_36451973	NC_021166.1	Ca_kabuli_chr07	36451973	CC	TT	1940420842
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SNP_P1_155646_36464130	NC_021166.1	Ca_kabuli_chr07	36464130	CC	GG	1940420844
SNP_P1_155650_36512767	NC_021166.1	Ca_kabuli_chr07	36512767	AA	TT	1940420845
SNP_P1_155651_36519165	NC_021166.1	Ca_kabuli_chr07	36519165	GG	TT	1940420846
SNP_P1_155652_36524544	NC_021166.1	Ca_kabuli_chr07	36524544	TT	CC	1940420847
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SNP_P1_155656_36524978	NC_021166.1	Ca_kabuli_chr07	36524978	TT	CC	1940420851
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SNP_P1_155660_36532457	NC_021166.1	Ca_kabuli_chr07	36532457	TT	CC	1940420855
SNP_P1_155661_36537819	NC_021166.1	Ca_kabuli_chr07	36537819	CC	TT	1940420856
SNP_P1_155662_36538139	NC_021166.1	Ca_kabuli_chr07	36538139	CC	AA	1940420857
SNP_P1_155663_36580921	NC_021166.1	Ca_kabuli_chr07	36580921	AA	GG	1940420858

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155665_36633324	NC_021166.1	Ca_kabuli_chr07	36633324	TT	AA	1940420860
SNP_P1_155667_36638394	NC_021166.1	Ca_kabuli_chr07	36638394	AA	GG	1940420861
SNP_P1_155668_36662789	NC_021166.1	Ca_kabuli_chr07	36662789	CC	TT	1940420862
SNP_P1_155669_36663303	NC_021166.1	Ca_kabuli_chr07	36663303	TT	CC	1940420863
SNP_P1_155670_36663650	NC_021166.1	Ca_kabuli_chr07	36663650	AA	GG	1940420864
SNP_P1_155671_36666147	NC_021166.1	Ca_kabuli_chr07	36666147	CC	TT	1940420865
SNP_P1_155673_36680840	NC_021166.1	Ca_kabuli_chr07	36680840	GG	CC	1940420866
SNP_P1_155674_36680841	NC_021166.1	Ca_kabuli_chr07	36680841	AA	CC	1940420867
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SNP_P1_155681_36699663	NC_021166.1	Ca_kabuli_chr07	36699663	AA	GG	1940420874
SNP_P1_155682_36699678	NC_021166.1	Ca_kabuli_chr07	36699678	CC	AA	1940420875
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SNP_P1_155696_36789791	NC_021166.1	Ca_kabuli_chr07	36789791	CC	TT	1940420888
SNP_P1_155697_36790075	NC_021166.1	Ca_kabuli_chr07	36790075	TT	CC	1940420889
SNP_P1_155699_36819517	NC_021166.1	Ca_kabuli_chr07	36819517	AA	GG	1940420890
SNP_P1_155701_36843539	NC_021166.1	Ca_kabuli_chr07	36843539	CC	TT	1940420891
SNP_P1_155704_36873188	NC_021166.1	Ca_kabuli_chr07	36873188	GG	AA	1940420892
SNP_P1_155705_36880275	NC_021166.1	Ca_kabuli_chr07	36880275	GG	CC	1940420893
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SNP_P1_155709_36896606	NC_021166.1	Ca_kabuli_chr07	36896606	GG	AA	1940420896
SNP_P1_155710_36897226	NC_021166.1	Ca_kabuli_chr07	36897226	AA	GG	1940420897
SNP_P1_155711_36905925	NC_021166.1	Ca_kabuli_chr07	36905925	TT	GG	1940420898
SNP_P1_155712_36906804	NC_021166.1	Ca_kabuli_chr07	36906804	GG	AA	1940420899
SNP_P1_155713_36906822	NC_021166.1	Ca_kabuli_chr07	36906822	AA	GG	1940420900

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155716_36913937	NC_021166.1	Ca_kabuli_chr07	36913937	GG	AA	1940420903
SNP_P1_155717_36921132	NC_021166.1	Ca_kabuli_chr07	36921132	CC	TT	1940420904
SNP_P1_155720_36966388	NC_021166.1	Ca_kabuli_chr07	36966388	AA	GG	1940420905
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SNP_P1_155722_36988994	NC_021166.1	Ca_kabuli_chr07	36988994	AA	TT	1940420907
SNP_P1_155723_36998824	NC_021166.1	Ca_kabuli_chr07	36998824	GG	AA	1940420908
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SNP_P1_155731_37013468	NC_021166.1	Ca_kabuli_chr07	37013468	AA	CC	1940420915
SNP_P1_155732_37013470	NC_021166.1	Ca_kabuli_chr07	37013470	TT	AA	1940420916
SNP_P1_155733_37016776	NC_021166.1	Ca_kabuli_chr07	37016776	GG	TT	1940420917
SNP_P1_155734_37016781	NC_021166.1	Ca_kabuli_chr07	37016781	TT	AA	1940420919
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SNP_P1_155737_37017339	NC_021166.1	Ca_kabuli_chr07	37017339	TT	GG	1940420922
SNP_P1_155738_37017355	NC_021166.1	Ca_kabuli_chr07	37017355	AA	TT	1940420923
SNP_P1_155739_37017383	NC_021166.1	Ca_kabuli_chr07	37017383	TT	CC	1940420924
SNP_P1_155741_37112214	NC_021166.1	Ca_kabuli_chr07	37112214	AA	TT	1940420925
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SNP_P1_155745_37112645	NC_021166.1	Ca_kabuli_chr07	37112645	AA	GG	1940420929
SNP_P1_155746_37112671	NC_021166.1	Ca_kabuli_chr07	37112671	AA	CC	1940420930
SNP_P1_155747_37112725	NC_021166.1	Ca_kabuli_chr07	37112725	GG	AA	1940420931
SNP_P1_155748_37112887	NC_021166.1	Ca_kabuli_chr07	37112887	CC	TT	1940420932
SNP_P1_155750_37150277	NC_021166.1	Ca_kabuli_chr07	37150277	AA	TT	1940420933
SNP_P1_155752_37168881	NC_021166.1	Ca_kabuli_chr07	37168881	AA	GG	1940420934
SNP_P1_155754_37181287	NC_021166.1	Ca_kabuli_chr07	37181287	GG	AA	1940420935
SNP_P1_155756_37193588	NC_021166.1	Ca_kabuli_chr07	37193588	AA	TT	1940420936
SNP_P1_155757_37194217	NC_021166.1	Ca_kabuli_chr07	37194217	GG	CC	1940420937
SNP_P1_155758_37204669	NC_021166.1	Ca_kabuli_chr07	37204669	GG	AA	1940420938
SNP_P1_155760_37207982	NC_021166.1	Ca_kabuli_chr07	37207982	GG	TT	1940420939
SNP_P1_155761_37210587	NC_021166.1	Ca_kabuli_chr07	37210587	CC	GG	1940420940
SNP_P1_155762_37210610	NC_021166.1	Ca_kabuli_chr07	37210610	TT	CC	1940420941
SNP_P1_155763_37213050	NC_021166.1	Ca_kabuli_chr07	37213050	TT	CC	1940420942
SNP_P1_155764_37213105	NC_021166.1	Ca_kabuli_chr07	37213105	AA	GG	1940420943

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155767_37213363	NC_021166.1	Ca_kabuli_chr07	37213363	AA	GG	1940420946
SNP_P1_155768_37228612	NC_021166.1	Ca_kabuli_chr07	37228612	CC	TT	1940420947
SNP_P1_155769_37230442	NC_021166.1	Ca_kabuli_chr07	37230442	TT	GG	1940420948
SNP_P1_155770_37235780	NC_021166.1	Ca_kabuli_chr07	37235780	GG	CC	1940420949
SNP_P1_155771_37235890	NC_021166.1	Ca_kabuli_chr07	37235890	GG	TT	1940420950
SNP_P1_155772_37236135	NC_021166.1	Ca_kabuli_chr07	37236135	TT	AA	1940420951
SNP_P1_155773_37236223	NC_021166.1	Ca_kabuli_chr07	37236223	GG	AA	1940420952
SNP_P1_155774_37236243	NC_021166.1	Ca_kabuli_chr07	37236243	TT	CC	1940420953
SNP_P1_155775_37236289	NC_021166.1	Ca_kabuli_chr07	37236289	CC	TT	1940420954
SNP_P1_155776_37236290	NC_021166.1	Ca_kabuli_chr07	37236290	AA	GG	1940420955
SNP_P1_155777_37236307	NC_021166.1	Ca_kabuli_chr07	37236307	TT	CC	1940420956
SNP_P1_155778_37236506	NC_021166.1	Ca_kabuli_chr07	37236506	GG	CC	1940420957
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SNP_P1_155780_37242990	NC_021166.1	Ca_kabuli_chr07	37242990	GG	AA	1940420959
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SNP_P1_155786_37243561	NC_021166.1	Ca_kabuli_chr07	37243561	TT	CC	1940420965
SNP_P1_155787_37247595	NC_021166.1	Ca_kabuli_chr07	37247595	TT	AA	1940420966
SNP_P1_155788_37247916	NC_021166.1	Ca_kabuli_chr07	37247916	TT	CC	1940420967
SNP_P1_155789_37247986	NC_021166.1	Ca_kabuli_chr07	37247986	CC	AA	1940420968
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SNP_P1_155794_37252233	NC_021166.1	Ca_kabuli_chr07	37252233	AA	TT	1940420973
SNP_P1_155795_37255372	NC_021166.1	Ca_kabuli_chr07	37255372	AA	CC	1940420974
SNP_P1_155796_37255373	NC_021166.1	Ca_kabuli_chr07	37255373	AA	GG	1940420975
SNP_P1_155797_37255690	NC_021166.1	Ca_kabuli_chr07	37255690	TT	CC	1940420976
SNP_P1_155798_37257096	NC_021166.1	Ca_kabuli_chr07	37257096	CC	GG	1940420977
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SNP_P1_155800_37263945	NC_021166.1	Ca_kabuli_chr07	37263945	AA	CC	1940420979
SNP_P1_155802_37265590	NC_021166.1	Ca_kabuli_chr07	37265590	AA	CC	1940420980
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SNP_P1_155804_37267890	NC_021166.1	Ca_kabuli_chr07	37267890	TT	AA	1940420982
SNP_P1_155805_37267919	NC_021166.1	Ca_kabuli_chr07	37267919	TT	AA	1940420983
SNP_P1_155806_37268174	NC_021166.1	Ca_kabuli_chr07	37268174	TT	AA	1940420984
SNP_P1_155807_37269005	NC_021166.1	Ca_kabuli_chr07	37269005	AA	TT	1940420985

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155809_37269082	NC_021166.1	Ca_kabuli_chr07	37269082	GG	AA	1940420987
SNP_P1_155810_37269111	NC_021166.1	Ca_kabuli_chr07	37269111	CC	AA	1940420988
SNP_P1_155811_37269123	NC_021166.1	Ca_kabuli_chr07	37269123	TT	AA	1940420989
SNP_P1_155812_37276188	NC_021166.1	Ca_kabuli_chr07	37276188	AA	GG	1940420990
SNP_P1_155813_37277285	NC_021166.1	Ca_kabuli_chr07	37277285	AA	TT	1940420991
SNP_P1_155814_37277296	NC_021166.1	Ca_kabuli_chr07	37277296	AA	GG	1940420992
SNP_P1_155815_37281954	NC_021166.1	Ca_kabuli_chr07	37281954	AA	TT	1940420993
SNP_P1_155817_37282115	NC_021166.1	Ca_kabuli_chr07	37282115	TT	CC	1940420994
SNP_P1_155818_37282148	NC_021166.1	Ca_kabuli_chr07	37282148	AA	GG	1940420995
SNP_P1_155819_37282567	NC_021166.1	Ca_kabuli_chr07	37282567	GG	TT	1940420996
SNP_P1_155820_37282701	NC_021166.1	Ca_kabuli_chr07	37282701	GG	TT	1940420997
SNP_P1_155821_37282709	NC_021166.1	Ca_kabuli_chr07	37282709	GG	AA	1940420998
SNP_P1_155822_37282716	NC_021166.1	Ca_kabuli_chr07	37282716	AA	GG	1940420999
SNP_P1_155823_37282732	NC_021166.1	Ca_kabuli_chr07	37282732	CC	AA	1940421000
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SNP_P1_155825_37292376	NC_021166.1	Ca_kabuli_chr07	37292376	AA	GG	1940421002
SNP_P1_155826_37292380	NC_021166.1	Ca_kabuli_chr07	37292380	CC	TT	1940421003
SNP_P1_155827_37292498	NC_021166.1	Ca_kabuli_chr07	37292498	AA	TT	1940421004
SNP_P1_155828_37292523	NC_021166.1	Ca_kabuli_chr07	37292523	GG	AA	1940421005
SNP_P1_155829_37292550	NC_021166.1	Ca_kabuli_chr07	37292550	AA	TT	1940421006
SNP_P1_155830_37292610	NC_021166.1	Ca_kabuli_chr07	37292610	GG	TT	1940421007
SNP_P1_155831_37292634	NC_021166.1	Ca_kabuli_chr07	37292634	TT	GG	1940421008
SNP_P1_155832_37292662	NC_021166.1	Ca_kabuli_chr07	37292662	CC	AA	1940421009
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SNP_P1_155834_37292690	NC_021166.1	Ca_kabuli_chr07	37292690	TT	GG	1940421011
SNP_P1_155835_37292722	NC_021166.1	Ca_kabuli_chr07	37292722	CC	TT	1940421012
SNP_P1_155836_37296881	NC_021166.1	Ca_kabuli_chr07	37296881	AA	CC	1940421013
SNP_P1_155837_37302094	NC_021166.1	Ca_kabuli_chr07	37302094	GG	CC	1940421014
SNP_P1_155838_37306879	NC_021166.1	Ca_kabuli_chr07	37306879	TT	CC	1940421015
SNP_P1_155839_37306885	NC_021166.1	Ca_kabuli_chr07	37306885	AA	CC	1940421016
SNP_P1_155840_37306899	NC_021166.1	Ca_kabuli_chr07	37306899	CC	TT	1940421017
SNP_P1_155841_37312524	NC_021166.1	Ca_kabuli_chr07	37312524	AA	GG	1940421018
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SNP_P1_155844_37315978	NC_021166.1	Ca_kabuli_chr07	37315978	TT	CC	1940421021
SNP_P1_155845_37316024	NC_021166.1	Ca_kabuli_chr07	37316024	AA	GG	1940421022
SNP_P1_155846_37316026	NC_021166.1	Ca_kabuli_chr07	37316026	TT	CC	1940421023
SNP_P1_155847_37316032	NC_021166.1	Ca_kabuli_chr07	37316032	TT	CC	1940421024
SNP_P1_155848_37316041	NC_021166.1	Ca_kabuli_chr07	37316041	AA	GG	1940421025
SNP_P1_155849_37316049	NC_021166.1	Ca_kabuli_chr07	37316049	AA	GG	1940421026
SNP_P1_155850_37316052	NC_021166.1	Ca_kabuli_chr07	37316052	TT	GG	1940421027

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155853_37327616	NC_021166.1	Ca_kabuli_chr07	37327616	TT	AA	1940421030
SNP_P1_155854_37327642	NC_021166.1	Ca_kabuli_chr07	37327642	TT	CC	1940421031
SNP_P1_155855_37327931	NC_021166.1	Ca_kabuli_chr07	37327931	AA	TT	1940421032
SNP_P1_155856_37327940	NC_021166.1	Ca_kabuli_chr07	37327940	GG	AA	1940421033
SNP_P1_155857_37327941	NC_021166.1	Ca_kabuli_chr07	37327941	GG	AA	1940421034
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SNP_P1_155859_37336454	NC_021166.1	Ca_kabuli_chr07	37336454	TT	GG	1940421036
SNP_P1_155860_37336466	NC_021166.1	Ca_kabuli_chr07	37336466	CC	AA	1940421037
SNP_P1_155861_37336469	NC_021166.1	Ca_kabuli_chr07	37336469	CC	TT	1940421038
SNP_P1_155862_37336473	NC_021166.1	Ca_kabuli_chr07	37336473	AA	GG	1940421039
SNP_P1_155863_37336527	NC_021166.1	Ca_kabuli_chr07	37336527	TT	CC	1940421040
SNP_P1_155864_37336529	NC_021166.1	Ca_kabuli_chr07	37336529	AA	GG	1940421042
SNP_P1_155865_37336541	NC_021166.1	Ca_kabuli_chr07	37336541	CC	TT	1940421043
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SNP_P1_155879_37370017	NC_021166.1	Ca_kabuli_chr07	37370017	TT	CC	1940421057
SNP_P1_155880_37370080	NC_021166.1	Ca_kabuli_chr07	37370080	AA	TT	1940421058
SNP_P1_155881_37370333	NC_021166.1	Ca_kabuli_chr07	37370333	GG	TT	1940421059
SNP_P1_155882_37370531	NC_021166.1	Ca_kabuli_chr07	37370531	GG	AA	1940421060
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SNP_P1_155884_37372128	NC_021166.1	Ca_kabuli_chr07	37372128	GG	TT	1940421062
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SNP_P1_155891_37374171	NC_021166.1	Ca_kabuli_chr07	37374171	TT	AA	1940421069
SNP_P1_155892_37374227	NC_021166.1	Ca_kabuli_chr07	37374227	TT	GG	1940421070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155896_37374292	NC_021166.1	Ca_kabuli_chr07	37374292	GG	TT	1940421074
SNP_P1_155899_37382582	NC_021166.1	Ca_kabuli_chr07	37382582	TT	GG	1940421075
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SNP_P1_155901_37396017	NC_021166.1	Ca_kabuli_chr07	37396017	AA	CC	1940421077
SNP_P1_155902_37404239	NC_021166.1	Ca_kabuli_chr07	37404239	GG	AA	1940421078
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SNP_P1_155906_37427257	NC_021166.1	Ca_kabuli_chr07	37427257	AA	GG	1940421082
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SNP_P1_155908_37427294	NC_021166.1	Ca_kabuli_chr07	37427294	TT	CC	1940421084
SNP_P1_155909_37427327	NC_021166.1	Ca_kabuli_chr07	37427327	AA	GG	1940421085
SNP_P1_155910_37427328	NC_021166.1	Ca_kabuli_chr07	37427328	AA	GG	1940421086
SNP_P1_155911_37427550	NC_021166.1	Ca_kabuli_chr07	37427550	AA	GG	1940421087
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SNP_P1_155913_37427590	NC_021166.1	Ca_kabuli_chr07	37427590	GG	AA	1940421089
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SNP_P1_155916_37437486	NC_021166.1	Ca_kabuli_chr07	37437486	TT	AA	1940421092
SNP_P1_155917_37437572	NC_021166.1	Ca_kabuli_chr07	37437572	TT	GG	1940421093
SNP_P1_155918_37437579	NC_021166.1	Ca_kabuli_chr07	37437579	CC	AA	1940421094
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SNP_P1_155922_37439526	NC_021166.1	Ca_kabuli_chr07	37439526	GG	TT	1940421098
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SNP_P1_155924_37454645	NC_021166.1	Ca_kabuli_chr07	37454645	TT	AA	1940421100
SNP_P1_155925_37454656	NC_021166.1	Ca_kabuli_chr07	37454656	AA	TT	1940421101
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SNP_P1_155929_37469854	NC_021166.1	Ca_kabuli_chr07	37469854	TT	CC	1940421105
SNP_P1_155930_37475284	NC_021166.1	Ca_kabuli_chr07	37475284	TT	CC	1940421106
SNP_P1_155931_37478031	NC_021166.1	Ca_kabuli_chr07	37478031	GG	TT	1940421107
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SNP_P1_155933_37479236	NC_021166.1	Ca_kabuli_chr07	37479236	AA	CC	1940421109
SNP_P1_155934_37479267	NC_021166.1	Ca_kabuli_chr07	37479267	GG	AA	1940421110
SNP_P1_155935_37479291	NC_021166.1	Ca_kabuli_chr07	37479291	TT	CC	1940421111
SNP_P1_155936_37479294	NC_021166.1	Ca_kabuli_chr07	37479294	GG	AA	1940421112

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155938_37479550	NC_021166.1	Ca_kabuli_chr07	37479550	TT	CC	1940421114
SNP_P1_155939_37479551	NC_021166.1	Ca_kabuli_chr07	37479551	GG	CC	1940421115
SNP_P1_155940_37479589	NC_021166.1	Ca_kabuli_chr07	37479589	GG	AA	1940421116
SNP_P1_155941_37479683	NC_021166.1	Ca_kabuli_chr07	37479683	AA	GG	1940421117
SNP_P1_155942_37479738	NC_021166.1	Ca_kabuli_chr07	37479738	AA	TT	1940421118
SNP_P1_155943_37479760	NC_021166.1	Ca_kabuli_chr07	37479760	CC	TT	1940421119
SNP_P1_155944_37479799	NC_021166.1	Ca_kabuli_chr07	37479799	CC	TT	1940421120
SNP_P1_155945_37479803	NC_021166.1	Ca_kabuli_chr07	37479803	GG	AA	1940421121
SNP_P1_155946_37481196	NC_021166.1	Ca_kabuli_chr07	37481196	TT	GG	1940421122
SNP_P1_155947_37481218	NC_021166.1	Ca_kabuli_chr07	37481218	AA	GG	1940421123
SNP_P1_155948_37481598	NC_021166.1	Ca_kabuli_chr07	37481598	TT	AA	1940421124
SNP_P1_155949_37484493	NC_021166.1	Ca_kabuli_chr07	37484493	CC	TT	1940421125
SNP_P1_155950_37484509	NC_021166.1	Ca_kabuli_chr07	37484509	TT	CC	1940421126
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SNP_P1_155953_37485288	NC_021166.1	Ca_kabuli_chr07	37485288	AA	TT	1940421129
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SNP_P1_155958_37491312	NC_021166.1	Ca_kabuli_chr07	37491312	GG	TT	1940421133
SNP_P1_155959_37491582	NC_021166.1	Ca_kabuli_chr07	37491582	AA	GG	1940421134
SNP_P1_155960_37491599	NC_021166.1	Ca_kabuli_chr07	37491599	AA	GG	1940421135
SNP_P1_155962_37493397	NC_021166.1	Ca_kabuli_chr07	37493397	GG	AA	1940421136
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SNP_P1_155966_37496665	NC_021166.1	Ca_kabuli_chr07	37496665	AA	GG	1940421140
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SNP_P1_155968_37497044	NC_021166.1	Ca_kabuli_chr07	37497044	AA	GG	1940421142
SNP_P1_155969_37497912	NC_021166.1	Ca_kabuli_chr07	37497912	TT	CC	1940421143
SNP_P1_155970_37497933	NC_021166.1	Ca_kabuli_chr07	37497933	GG	AA	1940421144
SNP_P1_155971_37498072	NC_021166.1	Ca_kabuli_chr07	37498072	GG	AA	1940421145
SNP_P1_155972_37498084	NC_021166.1	Ca_kabuli_chr07	37498084	TT	AA	1940421146
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SNP_P1_155974_37498086	NC_021166.1	Ca_kabuli_chr07	37498086	GG	TT	1940421148
SNP_P1_155975_37498746	NC_021166.1	Ca_kabuli_chr07	37498746	AA	GG	1940421149
SNP_P1_155976_37499109	NC_021166.1	Ca_kabuli_chr07	37499109	CC	AA	1940421150
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SNP_P1_155978_37502523	NC_021166.1	Ca_kabuli_chr07	37502523	TT	AA	1940421152
SNP_P1_155979_37502753	NC_021166.1	Ca_kabuli_chr07	37502753	TT	CC	1940421153
SNP_P1_155980_37502798	NC_021166.1	Ca_kabuli_chr07	37502798	AA	CC	1940421154

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_155982_37502829	NC_021166.1	Ca_kabuli_chr07	37502829	TT	CC	1940421156
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SNP_P1_155984_37502848	NC_021166.1	Ca_kabuli_chr07	37502848	GG	AA	1940421158
SNP_P1_155985_37502862	NC_021166.1	Ca_kabuli_chr07	37502862	GG	AA	1940421159
SNP_P1_155986_37504242	NC_021166.1	Ca_kabuli_chr07	37504242	TT	GG	1940421160
SNP_P1_155987_37504295	NC_021166.1	Ca_kabuli_chr07	37504295	CC	AA	1940421161
SNP_P1_155988_37504410	NC_021166.1	Ca_kabuli_chr07	37504410	GG	AA	1940421162
SNP_P1_155989_37504577	NC_021166.1	Ca_kabuli_chr07	37504577	GG	CC	1940421163
SNP_P1_155990_37504628	NC_021166.1	Ca_kabuli_chr07	37504628	TT	CC	1940421164
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SNP_P1_155994_37507122	NC_021166.1	Ca_kabuli_chr07	37507122	AA	GG	1940421167
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SNP_P1_155997_37507252	NC_021166.1	Ca_kabuli_chr07	37507252	TT	CC	1940421170
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SNP_P1_156003_37513557	NC_021166.1	Ca_kabuli_chr07	37513557	CC	TT	1940421175
SNP_P1_156004_37514909	NC_021166.1	Ca_kabuli_chr07	37514909	TT	CC	1940421176
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SNP_P1_156007_37517511	NC_021166.1	Ca_kabuli_chr07	37517511	CC	TT	1940421179
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SNP_P1_156010_37519802	NC_021166.1	Ca_kabuli_chr07	37519802	GG	CC	1940421182
SNP_P1_156011_37520142	NC_021166.1	Ca_kabuli_chr07	37520142	GG	TT	1940421183
SNP_P1_156012_37520244	NC_021166.1	Ca_kabuli_chr07	37520244	TT	AA	1940421184
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SNP_P1_156014_37520397	NC_021166.1	Ca_kabuli_chr07	37520397	CC	TT	1940421187
SNP_P1_156015_37520639	NC_021166.1	Ca_kabuli_chr07	37520639	CC	TT	1940421188
SNP_P1_156016_37529594	NC_021166.1	Ca_kabuli_chr07	37529594	GG	AA	1940421189
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SNP_P1_156019_37530372	NC_021166.1	Ca_kabuli_chr07	37530372	TT	CC	1940421192
SNP_P1_156020_37530477	NC_021166.1	Ca_kabuli_chr07	37530477	AA	TT	1940421193
SNP_P1_156021_37531520	NC_021166.1	Ca_kabuli_chr07	37531520	CC	TT	1940421194
SNP_P1_156022_37533108	NC_021166.1	Ca_kabuli_chr07	37533108	CC	TT	1940421195
SNP_P1_156023_37539012	NC_021166.1	Ca_kabuli_chr07	37539012	TT	CC	1940421196
SNP_P1_156024_37539014	NC_021166.1	Ca_kabuli_chr07	37539014	GG	AA	1940421197

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156029_37540964	NC_021166.1	Ca_kabuli_chr07	37540964	CC	TT	1940421200
SNP_P1_156030_37546999	NC_021166.1	Ca_kabuli_chr07	37546999	GG	AA	1940421201
SNP_P1_156031_37547042	NC_021166.1	Ca_kabuli_chr07	37547042	CC	TT	1940421202
SNP_P1_156032_37547201	NC_021166.1	Ca_kabuli_chr07	37547201	AA	TT	1940421203
SNP_P1_156033_37547374	NC_021166.1	Ca_kabuli_chr07	37547374	AA	CC	1940421204
SNP_P1_156034_37548820	NC_021166.1	Ca_kabuli_chr07	37548820	TT	GG	1940421205
SNP_P1_156035_37549718	NC_021166.1	Ca_kabuli_chr07	37549718	TT	CC	1940421206
SNP_P1_156036_37550592	NC_021166.1	Ca_kabuli_chr07	37550592	TT	CC	1940421207
SNP_P1_156037_37551030	NC_021166.1	Ca_kabuli_chr07	37551030	AA	GG	1940421208
SNP_P1_156038_37551576	NC_021166.1	Ca_kabuli_chr07	37551576	GG	AA	1940421209
SNP_P1_156039_37551641	NC_021166.1	Ca_kabuli_chr07	37551641	CC	TT	1940421210
SNP_P1_156040_37551711	NC_021166.1	Ca_kabuli_chr07	37551711	GG	AA	1940421211
SNP_P1_156041_37551984	NC_021166.1	Ca_kabuli_chr07	37551984	TT	CC	1940421212
SNP_P1_156042_37554564	NC_021166.1	Ca_kabuli_chr07	37554564	TT	AA	1940421213
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SNP_P1_156059_37568766	NC_021166.1	Ca_kabuli_chr07	37568766	GG	AA	1940421227
SNP_P1_156061_37570155	NC_021166.1	Ca_kabuli_chr07	37570155	AA	GG	1940421228
SNP_P1_156062_37570518	NC_021166.1	Ca_kabuli_chr07	37570518	AA	GG	1940421229
SNP_P1_156063_37570556	NC_021166.1	Ca_kabuli_chr07	37570556	CC	TT	1940421230
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SNP_P1_156065_37571921	NC_021166.1	Ca_kabuli_chr07	37571921	CC	TT	1940421232
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SNP_P1_156067_37572230	NC_021166.1	Ca_kabuli_chr07	37572230	CC	AA	1940421234
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SNP_P1_156071_37573888	NC_021166.1	Ca_kabuli_chr07	37573888	GG	AA	1940421238
SNP_P1_156072_37573900	NC_021166.1	Ca_kabuli_chr07	37573900	TT	CC	1940421239

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156075_37574389	NC_021166.1	Ca_kabuli_chr07	37574389	GG	AA	1940421242
SNP_P1_156076_37577633	NC_021166.1	Ca_kabuli_chr07	37577633	AA	CC	1940421243
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SNP_P1_156084_37585861	NC_021166.1	Ca_kabuli_chr07	37585861	AA	GG	1940421248
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SNP_P1_156092_37588628	NC_021166.1	Ca_kabuli_chr07	37588628	CC	TT	1940421253
SNP_P1_156093_37589034	NC_021166.1	Ca_kabuli_chr07	37589034	CC	TT	1940421254
SNP_P1_156094_37591782	NC_021166.1	Ca_kabuli_chr07	37591782	TT	CC	1940421255
SNP_P1_156095_37592419	NC_021166.1	Ca_kabuli_chr07	37592419	AA	GG	1940421256
SNP_P1_156096_37592460	NC_021166.1	Ca_kabuli_chr07	37592460	AA	CC	1940421257
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SNP_P1_156100_37593749	NC_021166.1	Ca_kabuli_chr07	37593749	AA	GG	1940421260
SNP_P1_156101_37593750	NC_021166.1	Ca_kabuli_chr07	37593750	CC	TT	1940421261
SNP_P1_156102_37593934	NC_021166.1	Ca_kabuli_chr07	37593934	GG	AA	1940421262
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SNP_P1_156107_37614899	NC_021166.1	Ca_kabuli_chr07	37614899	GG	CC	1940421266
SNP_P1_156108_37615039	NC_021166.1	Ca_kabuli_chr07	37615039	GG	AA	1940421267
SNP_P1_156109_37615073	NC_021166.1	Ca_kabuli_chr07	37615073	AA	CC	1940421268
SNP_P1_156110_37615336	NC_021166.1	Ca_kabuli_chr07	37615336	AA	GG	1940421269
SNP_P1_156111_37615573	NC_021166.1	Ca_kabuli_chr07	37615573	GG	AA	1940421270
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SNP_P1_156113_37616300	NC_021166.1	Ca_kabuli_chr07	37616300	TT	CC	1940421272
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SNP_P1_156118_37622163	NC_021166.1	Ca_kabuli_chr07	37622163	TT	CC	1940421275
SNP_P1_156119_37622207	NC_021166.1	Ca_kabuli_chr07	37622207	CC	TT	1940421276
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SNP_P1_156121_37622256	NC_021166.1	Ca_kabuli_chr07	37622256	AA	GG	1940421278
SNP_P1_156123_37622427	NC_021166.1	Ca_kabuli_chr07	37622427	CC	AA	1940421279
SNP_P1_156124_37622438	NC_021166.1	Ca_kabuli_chr07	37622438	TT	CC	1940421280
SNP_P1_156125_37622482	NC_021166.1	Ca_kabuli_chr07	37622482	TT	CC	1940421281

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156128_37622572	NC_021166.1	Ca_kabuli_chr07	37622572	GG	AA	1940421284
SNP_P1_156129_37622582	NC_021166.1	Ca_kabuli_chr07	37622582	GG	AA	1940421285
SNP_P1_156130_37622618	NC_021166.1	Ca_kabuli_chr07	37622618	TT	CC	1940421286
SNP_P1_156131_37622658	NC_021166.1	Ca_kabuli_chr07	37622658	TT	CC	1940421287
SNP_P1_156132_37622660	NC_021166.1	Ca_kabuli_chr07	37622660	GG	AA	1940421288
SNP_P1_156133_37622661	NC_021166.1	Ca_kabuli_chr07	37622661	CC	TT	1940421289
SNP_P1_156134_37622705	NC_021166.1	Ca_kabuli_chr07	37622705	TT	CC	1940421290
SNP_P1_156135_37622722	NC_021166.1	Ca_kabuli_chr07	37622722	GG	CC	1940421291
SNP_P1_156136_37622737	NC_021166.1	Ca_kabuli_chr07	37622737	AA	GG	1940421292
SNP_P1_156137_37622860	NC_021166.1	Ca_kabuli_chr07	37622860	AA	TT	1940421293
SNP_P1_156138_37622906	NC_021166.1	Ca_kabuli_chr07	37622906	TT	GG	1940421294
SNP_P1_156139_37623004	NC_021166.1	Ca_kabuli_chr07	37623004	AA	GG	1940421295
SNP_P1_156140_37623108	NC_021166.1	Ca_kabuli_chr07	37623108	CC	TT	1940421296
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SNP_P1_156143_37626226	NC_021166.1	Ca_kabuli_chr07	37626226	GG	AA	1940421299
SNP_P1_156144_37626260	NC_021166.1	Ca_kabuli_chr07	37626260	AA	GG	1940421300
SNP_P1_156145_37626287	NC_021166.1	Ca_kabuli_chr07	37626287	TT	CC	1940421301
SNP_P1_156146_37626455	NC_021166.1	Ca_kabuli_chr07	37626455	AA	GG	1940421302
SNP_P1_156147_37626518	NC_021166.1	Ca_kabuli_chr07	37626518	TT	CC	1940421303
SNP_P1_156148_37626534	NC_021166.1	Ca_kabuli_chr07	37626534	TT	CC	1940421304
SNP_P1_156149_37626538	NC_021166.1	Ca_kabuli_chr07	37626538	CC	TT	1940421305
SNP_P1_156150_37626687	NC_021166.1	Ca_kabuli_chr07	37626687	AA	GG	1940421306
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SNP_P1_156152_37626701	NC_021166.1	Ca_kabuli_chr07	37626701	AA	GG	1940421308
SNP_P1_156153_37626712	NC_021166.1	Ca_kabuli_chr07	37626712	CC	TT	1940421309
SNP_P1_156154_37626827	NC_021166.1	Ca_kabuli_chr07	37626827	GG	AA	1940421310
SNP_P1_156155_37638428	NC_021166.1	Ca_kabuli_chr07	37638428	AA	CC	1940421311
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SNP_P1_156157_37639439	NC_021166.1	Ca_kabuli_chr07	37639439	TT	CC	1940421313
SNP_P1_156158_37641080	NC_021166.1	Ca_kabuli_chr07	37641080	TT	GG	1940421314
SNP_P1_156160_37647401	NC_021166.1	Ca_kabuli_chr07	37647401	CC	TT	1940421315
SNP_P1_156162_37666445	NC_021166.1	Ca_kabuli_chr07	37666445	TT	CC	1940421316
SNP_P1_156163_37667166	NC_021166.1	Ca_kabuli_chr07	37667166	AA	GG	1940421317
SNP_P1_156164_37667358	NC_021166.1	Ca_kabuli_chr07	37667358	AA	CC	1940421318
SNP_P1_156165_37667366	NC_021166.1	Ca_kabuli_chr07	37667366	GG	AA	1940421319
SNP_P1_156166_37667367	NC_021166.1	Ca_kabuli_chr07	37667367	AA	GG	1940421320
SNP_P1_156167_37667370	NC_021166.1	Ca_kabuli_chr07	37667370	AA	GG	1940421321
SNP_P1_156168_37671270	NC_021166.1	Ca_kabuli_chr07	37671270	TT	GG	1940421322
SNP_P1_156169_37707912	NC_021166.1	Ca_kabuli_chr07	37707912	AA	GG	1940421323

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156172_37711477	NC_021166.1	Ca_kabuli_chr07	37711477	CC	GG	1940421325
SNP_P1_156174_37711495	NC_021166.1	Ca_kabuli_chr07	37711495	CC	GG	1940421326
SNP_P1_156175_37711550	NC_021166.1	Ca_kabuli_chr07	37711550	TT	GG	1940421327
SNP_P1_156176_37711595	NC_021166.1	Ca_kabuli_chr07	37711595	CC	TT	1940421328
SNP_P1_156177_37711596	NC_021166.1	Ca_kabuli_chr07	37711596	GG	AA	1940421329
SNP_P1_156178_37711721	NC_021166.1	Ca_kabuli_chr07	37711721	CC	AA	1940421330
SNP_P1_156179_37711767	NC_021166.1	Ca_kabuli_chr07	37711767	GG	AA	1940421331
SNP_P1_156180_37711785	NC_021166.1	Ca_kabuli_chr07	37711785	TT	AA	1940421332
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SNP_P1_156182_37733297	NC_021166.1	Ca_kabuli_chr07	37733297	TT	AA	1940421334
SNP_P1_156183_37744727	NC_021166.1	Ca_kabuli_chr07	37744727	GG	AA	1940421335
SNP_P1_156184_37745560	NC_021166.1	Ca_kabuli_chr07	37745560	CC	TT	1940421336
SNP_P1_156185_37749372	NC_021166.1	Ca_kabuli_chr07	37749372	CC	TT	1940421337
SNP_P1_156189_37814853	NC_021166.1	Ca_kabuli_chr07	37814853	CC	AA	1940421338
SNP_P1_156190_37819473	NC_021166.1	Ca_kabuli_chr07	37819473	CC	TT	1940421340
SNP_P1_156191_37819814	NC_021166.1	Ca_kabuli_chr07	37819814	GG	AA	1940421341
SNP_P1_156192_37819871	NC_021166.1	Ca_kabuli_chr07	37819871	AA	TT	1940421342
SNP_P1_156193_37824395	NC_021166.1	Ca_kabuli_chr07	37824395	CC	AA	1940421343
SNP_P1_156194_37824588	NC_021166.1	Ca_kabuli_chr07	37824588	GG	AA	1940421344
SNP_P1_156195_37824612	NC_021166.1	Ca_kabuli_chr07	37824612	TT	AA	1940421345
SNP_P1_156196_37824632	NC_021166.1	Ca_kabuli_chr07	37824632	AA	GG	1940421346
SNP_P1_156197_37827240	NC_021166.1	Ca_kabuli_chr07	37827240	TT	CC	1940421347
SNP_P1_156198_37827261	NC_021166.1	Ca_kabuli_chr07	37827261	CC	AA	1940421348
SNP_P1_156199_37837485	NC_021166.1	Ca_kabuli_chr07	37837485	AA	TT	1940421349
SNP_P1_156200_37839870	NC_021166.1	Ca_kabuli_chr07	37839870	AA	TT	1940421350
SNP_P1_156201_37843092	NC_021166.1	Ca_kabuli_chr07	37843092	AA	GG	1940421351
SNP_P1_156202_37845890	NC_021166.1	Ca_kabuli_chr07	37845890	GG	TT	1940421352
SNP_P1_156203_37849767	NC_021166.1	Ca_kabuli_chr07	37849767	AA	CC	1940421353
SNP_P1_156204_37849812	NC_021166.1	Ca_kabuli_chr07	37849812	AA	GG	1940421354
SNP_P1_156205_37849909	NC_021166.1	Ca_kabuli_chr07	37849909	TT	AA	1940421355
SNP_P1_156206_37849951	NC_021166.1	Ca_kabuli_chr07	37849951	AA	GG	1940421356
SNP_P1_156207_37850116	NC_021166.1	Ca_kabuli_chr07	37850116	TT	GG	1940421357
SNP_P1_156208_37850276	NC_021166.1	Ca_kabuli_chr07	37850276	AA	GG	1940421358
SNP_P1_156209_37856907	NC_021166.1	Ca_kabuli_chr07	37856907	GG	TT	1940421359
SNP_P1_156210_37856920	NC_021166.1	Ca_kabuli_chr07	37856920	AA	GG	1940421360
SNP_P1_156211_37856932	NC_021166.1	Ca_kabuli_chr07	37856932	GG	TT	1940421361
SNP_P1_156212_37856984	NC_021166.1	Ca_kabuli_chr07	37856984	TT	GG	1940421362
SNP_P1_156213_37857200	NC_021166.1	Ca_kabuli_chr07	37857200	TT	GG	1940421363
SNP_P1_156214_37857256	NC_021166.1	Ca_kabuli_chr07	37857256	CC	AA	1940421364
SNP_P1_156215_37857338	NC_021166.1	Ca_kabuli_chr07	37857338	GG	CC	1940421365
SNP_P1_156216_37878313	NC_021166.1	Ca_kabuli_chr07	37878313	TT	AA	1940421366

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156218_37892607	NC_021166.1	Ca_kabuli_chr07	37892607	GG	TT	1940421368
SNP_P1_156219_37892931	NC_021166.1	Ca_kabuli_chr07	37892931	AA	TT	1940421369
SNP_P1_156220_37893883	NC_021166.1	Ca_kabuli_chr07	37893883	GG	AA	1940421370
SNP_P1_156221_37894130	NC_021166.1	Ca_kabuli_chr07	37894130	GG	TT	1940421371
SNP_P1_156222_37898921	NC_021166.1	Ca_kabuli_chr07	37898921	TT	AA	1940421372
SNP_P1_156223_37904694	NC_021166.1	Ca_kabuli_chr07	37904694	CC	GG	1940421373
SNP_P1_156224_37904906	NC_021166.1	Ca_kabuli_chr07	37904906	TT	GG	1940421374
SNP_P1_156225_37910449	NC_021166.1	Ca_kabuli_chr07	37910449	TT	AA	1940421375
SNP_P1_156226_37914279	NC_021166.1	Ca_kabuli_chr07	37914279	GG	TT	1940421376
SNP_P1_156227_37915205	NC_021166.1	Ca_kabuli_chr07	37915205	CC	TT	1940421377
SNP_P1_156228_37915217	NC_021166.1	Ca_kabuli_chr07	37915217	TT	CC	1940421378
SNP_P1_156229_37915222	NC_021166.1	Ca_kabuli_chr07	37915222	CC	AA	1940421379
SNP_P1_156230_37915223	NC_021166.1	Ca_kabuli_chr07	37915223	AA	CC	1940421380
SNP_P1_156231_37915240	NC_021166.1	Ca_kabuli_chr07	37915240	TT	CC	1940421381
SNP_P1_156233_37927687	NC_021166.1	Ca_kabuli_chr07	37927687	CC	TT	1940421382
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SNP_P1_156237_37931106	NC_021166.1	Ca_kabuli_chr07	37931106	TT	CC	1940421385
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SNP_P1_156242_37948156	NC_021166.1	Ca_kabuli_chr07	37948156	TT	GG	1940421389
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SNP_P1_156246_37992823	NC_021166.1	Ca_kabuli_chr07	37992823	CC	TT	1940421391
SNP_P1_156247_37992834	NC_021166.1	Ca_kabuli_chr07	37992834	TT	AA	1940421392
SNP_P1_156248_37992879	NC_021166.1	Ca_kabuli_chr07	37992879	AA	GG	1940421393
SNP_P1_156249_37992892	NC_021166.1	Ca_kabuli_chr07	37992892	GG	AA	1940421394
SNP_P1_156250_37992893	NC_021166.1	Ca_kabuli_chr07	37992893	GG	AA	1940421395
SNP_P1_156251_37993015	NC_021166.1	Ca_kabuli_chr07	37993015	CC	TT	1940421396
SNP_P1_156252_37993092	NC_021166.1	Ca_kabuli_chr07	37993092	GG	AA	1940421397
SNP_P1_156253_37993146	NC_021166.1	Ca_kabuli_chr07	37993146	AA	GG	1940421398
SNP_P1_156254_38000464	NC_021166.1	Ca_kabuli_chr07	38000464	TT	GG	1940421399
SNP_P1_156255_38018798	NC_021166.1	Ca_kabuli_chr07	38018798	TT	CC	1940421400
SNP_P1_156256_38023921	NC_021166.1	Ca_kabuli_chr07	38023921	AA	TT	1940421401
SNP_P1_156258_38046590	NC_021166.1	Ca_kabuli_chr07	38046590	CC	AA	1940421402
SNP_P1_156259_38057795	NC_021166.1	Ca_kabuli_chr07	38057795	AA	GG	1940421403
SNP_P1_156260_38059989	NC_021166.1	Ca_kabuli_chr07	38059989	GG	AA	1940421404
SNP_P1_156261_38060008	NC_021166.1	Ca_kabuli_chr07	38060008	GG	AA	1940421405
SNP_P1_156262_38063110	NC_021166.1	Ca_kabuli_chr07	38063110	AA	CC	1940421406
SNP_P1_156265_38096559	NC_021166.1	Ca_kabuli_chr07	38096559	AA	GG	1940421407
SNP_P1_156266_38096563	NC_021166.1	Ca_kabuli_chr07	38096563	AA	CC	1940421408

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156269_38117631	NC_021166.1	Ca_kabuli_chr07	38117631	CC	TT	1940421411
SNP_P1_156270_38117656	NC_021166.1	Ca_kabuli_chr07	38117656	GG	AA	1940421412
SNP_P1_156271_38117803	NC_021166.1	Ca_kabuli_chr07	38117803	AA	GG	1940421413
SNP_P1_156272_38118024	NC_021166.1	Ca_kabuli_chr07	38118024	GG	AA	1940421414
SNP_P1_156273_38158441	NC_021166.1	Ca_kabuli_chr07	38158441	GG	AA	1940421415
SNP_P1_156274_38165908	NC_021166.1	Ca_kabuli_chr07	38165908	GG	TT	1940421416
SNP_P1_156275_38165990	NC_021166.1	Ca_kabuli_chr07	38165990	GG	TT	1940421417
SNP_P1_156276_38166241	NC_021166.1	Ca_kabuli_chr07	38166241	TT	CC	1940421418
SNP_P1_156277_38166299	NC_021166.1	Ca_kabuli_chr07	38166299	AA	GG	1940421419
SNP_P1_156278_38166391	NC_021166.1	Ca_kabuli_chr07	38166391	TT	CC	1940421420
SNP_P1_156279_38172105	NC_021166.1	Ca_kabuli_chr07	38172105	AA	GG	1940421421
SNP_P1_156280_38172108	NC_021166.1	Ca_kabuli_chr07	38172108	TT	CC	1940421422
SNP_P1_156281_38193606	NC_021166.1	Ca_kabuli_chr07	38193606	GG	TT	1940421423
SNP_P1_156282_38227420	NC_021166.1	Ca_kabuli_chr07	38227420	CC	TT	1940421424
SNP_P1_156283_38232733	NC_021166.1	Ca_kabuli_chr07	38232733	AA	CC	1940421425
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SNP_P1_156285_38233363	NC_021166.1	Ca_kabuli_chr07	38233363	AA	GG	1940421427
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SNP_P1_156289_38264390	NC_021166.1	Ca_kabuli_chr07	38264390	GG	AA	1940421431
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SNP_P1_156291_38296123	NC_021166.1	Ca_kabuli_chr07	38296123	TT	AA	1940421433
SNP_P1_156292_38296309	NC_021166.1	Ca_kabuli_chr07	38296309	CC	TT	1940421434
SNP_P1_156293_38296419	NC_021166.1	Ca_kabuli_chr07	38296419	CC	AA	1940421435
SNP_P1_156294_38298000	NC_021166.1	Ca_kabuli_chr07	38298000	CC	TT	1940421436
SNP_P1_156295_38298123	NC_021166.1	Ca_kabuli_chr07	38298123	AA	CC	1940421437
SNP_P1_156296_38298303	NC_021166.1	Ca_kabuli_chr07	38298303	TT	CC	1940421438
SNP_P1_156297_38298587	NC_021166.1	Ca_kabuli_chr07	38298587	CC	TT	1940421439
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SNP_P1_156299_38298589	NC_021166.1	Ca_kabuli_chr07	38298589	AA	CC	1940421441
SNP_P1_156300_38298591	NC_021166.1	Ca_kabuli_chr07	38298591	CC	TT	1940421442
SNP_P1_156301_38298618	NC_021166.1	Ca_kabuli_chr07	38298618	CC	TT	1940421443
SNP_P1_156302_38298624	NC_021166.1	Ca_kabuli_chr07	38298624	GG	AA	1940421444
SNP_P1_156303_38298632	NC_021166.1	Ca_kabuli_chr07	38298632	TT	AA	1940421445
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SNP_P1_156305_38298769	NC_021166.1	Ca_kabuli_chr07	38298769	CC	AA	1940421447
SNP_P1_156306_38298776	NC_021166.1	Ca_kabuli_chr07	38298776	TT	GG	1940421448
SNP_P1_156307_38298793	NC_021166.1	Ca_kabuli_chr07	38298793	GG	AA	1940421449
SNP_P1_156308_38298799	NC_021166.1	Ca_kabuli_chr07	38298799	GG	AA	1940421450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156311_38298854	NC_021166.1	Ca_kabuli_chr07	38298854	TT	GG	1940421453
SNP_P1_156312_38301620	NC_021166.1	Ca_kabuli_chr07	38301620	TT	CC	1940421454
SNP_P1_156313_38301785	NC_021166.1	Ca_kabuli_chr07	38301785	AA	GG	1940421455
SNP_P1_156314_38302039	NC_021166.1	Ca_kabuli_chr07	38302039	GG	AA	1940421456
SNP_P1_156315_38302088	NC_021166.1	Ca_kabuli_chr07	38302088	TT	CC	1940421457
SNP_P1_156316_38321669	NC_021166.1	Ca_kabuli_chr07	38321669	CC	TT	1940421458
SNP_P1_156318_38333652	NC_021166.1	Ca_kabuli_chr07	38333652	GG	AA	1940421459
SNP_P1_156319_38352667	NC_021166.1	Ca_kabuli_chr07	38352667	AA	GG	1940421460
SNP_P1_156320_38368264	NC_021166.1	Ca_kabuli_chr07	38368264	CC	AA	1940421461
SNP_P1_156321_38368422	NC_021166.1	Ca_kabuli_chr07	38368422	AA	GG	1940421462
SNP_P1_156322_38371073	NC_021166.1	Ca_kabuli_chr07	38371073	GG	AA	1940421463
SNP_P1_156324_38396549	NC_021166.1	Ca_kabuli_chr07	38396549	CC	TT	1940421464
SNP_P1_156325_38399208	NC_021166.1	Ca_kabuli_chr07	38399208	GG	CC	1940421465
SNP_P1_156326_38399233	NC_021166.1	Ca_kabuli_chr07	38399233	CC	TT	1940421466
SNP_P1_156327_38399584	NC_021166.1	Ca_kabuli_chr07	38399584	TT	GG	1940421467
SNP_P1_156328_38399858	NC_021166.1	Ca_kabuli_chr07	38399858	CC	TT	1940421468
SNP_P1_156329_38399875	NC_021166.1	Ca_kabuli_chr07	38399875	GG	AA	1940421469
SNP_P1_156330_38399879	NC_021166.1	Ca_kabuli_chr07	38399879	TT	CC	1940421470
SNP_P1_156332_38440592	NC_021166.1	Ca_kabuli_chr07	38440592	CC	TT	1940421471
SNP_P1_156334_38449364	NC_021166.1	Ca_kabuli_chr07	38449364	AA	GG	1940421472
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SNP_P1_156336_38449385	NC_021166.1	Ca_kabuli_chr07	38449385	AA	GG	1940421474
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SNP_P1_156340_38455393	NC_021166.1	Ca_kabuli_chr07	38455393	GG	CC	1940421478
SNP_P1_156341_38457014	NC_021166.1	Ca_kabuli_chr07	38457014	AA	GG	1940421479
SNP_P1_156342_38457021	NC_021166.1	Ca_kabuli_chr07	38457021	AA	GG	1940421480
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SNP_P1_156345_38457739	NC_021166.1	Ca_kabuli_chr07	38457739	GG	AA	1940421482
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SNP_P1_156350_38478363	NC_021166.1	Ca_kabuli_chr07	38478363	AA	GG	1940421486
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SNP_P1_156356_38543634	NC_021166.1	Ca_kabuli_chr07	38543634	AA	GG	1940421491
SNP_P1_156357_38555223	NC_021166.1	Ca_kabuli_chr07	38555223	TT	CC	1940421493

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156360_38555284	NC_021166.1	Ca_kabuli_chr07	38555284	CC	TT	1940421496
SNP_P1_156361_38555300	NC_021166.1	Ca_kabuli_chr07	38555300	CC	AA	1940421497
SNP_P1_156363_38572518	NC_021166.1	Ca_kabuli_chr07	38572518	CC	AA	1940421498
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SNP_P1_156368_38611425	NC_021166.1	Ca_kabuli_chr07	38611425	TT	CC	1940421501
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SNP_P1_156371_38613468	NC_021166.1	Ca_kabuli_chr07	38613468	AA	CC	1940421503
SNP_P1_156372_38618447	NC_021166.1	Ca_kabuli_chr07	38618447	TT	CC	1940421504
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SNP_P1_156404_38810875	NC_021166.1	Ca_kabuli_chr07	38810875	CC	AA	1940421527
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SNP_P1_156407_38824307	NC_021166.1	Ca_kabuli_chr07	38824307	AA	GG	1940421530
SNP_P1_156408_38825412	NC_021166.1	Ca_kabuli_chr07	38825412	CC	TT	1940421531
SNP_P1_156409_38825529	NC_021166.1	Ca_kabuli_chr07	38825529	TT	GG	1940421532
SNP_P1_156410_38825535	NC_021166.1	Ca_kabuli_chr07	38825535	AA	CC	1940421533
SNP_P1_156411_38825669	NC_021166.1	Ca_kabuli_chr07	38825669	TT	CC	1940421534
SNP_P1_156412_38825681	NC_021166.1	Ca_kabuli_chr07	38825681	TT	AA	1940421535

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156415_38826429	NC_021166.1	Ca_kabuli_chr07	38826429	TT	CC	1940421538
SNP_P1_156416_38826445	NC_021166.1	Ca_kabuli_chr07	38826445	GG	AA	1940421539
SNP_P1_156417_38826446	NC_021166.1	Ca_kabuli_chr07	38826446	TT	CC	1940421540
SNP_P1_156418_38826555	NC_021166.1	Ca_kabuli_chr07	38826555	TT	GG	1940421541
SNP_P1_156419_38827756	NC_021166.1	Ca_kabuli_chr07	38827756	GG	AA	1940421542
SNP_P1_156420_38830905	NC_021166.1	Ca_kabuli_chr07	38830905	AA	TT	1940421543
SNP_P1_156421_38847787	NC_021166.1	Ca_kabuli_chr07	38847787	CC	TT	1940421544
SNP_P1_156422_38861502	NC_021166.1	Ca_kabuli_chr07	38861502	AA	GG	1940421545
SNP_P1_156423_38861525	NC_021166.1	Ca_kabuli_chr07	38861525	CC	AA	1940421546
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SNP_P1_156425_38861540	NC_021166.1	Ca_kabuli_chr07	38861540	GG	AA	1940421548
SNP_P1_156426_38861704	NC_021166.1	Ca_kabuli_chr07	38861704	GG	AA	1940421549
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SNP_P1_156428_38861772	NC_021166.1	Ca_kabuli_chr07	38861772	AA	GG	1940421551
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SNP_P1_156434_38866207	NC_021166.1	Ca_kabuli_chr07	38866207	TT	GG	1940421557
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SNP_P1_156438_38866693	NC_021166.1	Ca_kabuli_chr07	38866693	AA	TT	1940421561
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SNP_P1_156440_38872069	NC_021166.1	Ca_kabuli_chr07	38872069	GG	AA	1940421563
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SNP_P1_156442_38882678	NC_021166.1	Ca_kabuli_chr07	38882678	GG	AA	1940421565
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SNP_P1_156444_38882807	NC_021166.1	Ca_kabuli_chr07	38882807	TT	CC	1940421567
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SNP_P1_156454_38899353	NC_021166.1	Ca_kabuli_chr07	38899353	TT	CC	1940421576
SNP_P1_156455_38906121	NC_021166.1	Ca_kabuli_chr07	38906121	TT	GG	1940421577

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156457_38922032	NC_021166.1	Ca_kabuli_chr07	38922032	AA	GG	1940421579
SNP_P1_156458_38925143	NC_021166.1	Ca_kabuli_chr07	38925143	AA	GG	1940421580
SNP_P1_156459_38931034	NC_021166.1	Ca_kabuli_chr07	38931034	TT	CC	1940421581
SNP_P1_156460_38940895	NC_021166.1	Ca_kabuli_chr07	38940895	GG	AA	1940421582
SNP_P1_156461_38974642	NC_021166.1	Ca_kabuli_chr07	38974642	GG	AA	1940421583
SNP_P1_156462_38974658	NC_021166.1	Ca_kabuli_chr07	38974658	CC	TT	1940421584
SNP_P1_156463_38974660	NC_021166.1	Ca_kabuli_chr07	38974660	TT	CC	1940421585
SNP_P1_156464_38983549	NC_021166.1	Ca_kabuli_chr07	38983549	AA	GG	1940421586
SNP_P1_156465_38983863	NC_021166.1	Ca_kabuli_chr07	38983863	AA	GG	1940421587
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SNP_P1_156468_38990969	NC_021166.1	Ca_kabuli_chr07	38990969	TT	GG	1940421590
SNP_P1_156469_38991187	NC_021166.1	Ca_kabuli_chr07	38991187	AA	TT	1940421591
SNP_P1_156470_38991210	NC_021166.1	Ca_kabuli_chr07	38991210	CC	AA	1940421592
SNP_P1_156471_38991215	NC_021166.1	Ca_kabuli_chr07	38991215	GG	TT	1940421593
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SNP_P1_156474_38991522	NC_021166.1	Ca_kabuli_chr07	38991522	GG	TT	1940421595
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SNP_P1_156496_39039589	NC_021166.1	Ca_kabuli_chr07	39039589	TT	AA	1940421616
SNP_P1_156497_39041196	NC_021166.1	Ca_kabuli_chr07	39041196	AA	CC	1940421617
SNP_P1_156498_39043231	NC_021166.1	Ca_kabuli_chr07	39043231	GG	AA	1940421618
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156502_39048120	NC_021166.1	Ca_kabuli_chr07	39048120	AA	GG	1940421622
SNP_P1_156503_39048445	NC_021166.1	Ca_kabuli_chr07	39048445	TT	CC	1940421623
SNP_P1_156504_39051772	NC_021166.1	Ca_kabuli_chr07	39051772	GG	AA	1940421624
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SNP_P1_156511_39055411	NC_021166.1	Ca_kabuli_chr07	39055411	AA	TT	1940421631
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SNP_P1_156513_39059605	NC_021166.1	Ca_kabuli_chr07	39059605	AA	GG	1940421633
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SNP_P1_156521_39135531	NC_021166.1	Ca_kabuli_chr07	39135531	TT	AA	1940421640
SNP_P1_156522_39139211	NC_021166.1	Ca_kabuli_chr07	39139211	GG	AA	1940421641
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SNP_P1_156528_39149687	NC_021166.1	Ca_kabuli_chr07	39149687	CC	TT	1940421648
SNP_P1_156530_39149781	NC_021166.1	Ca_kabuli_chr07	39149781	TT	GG	1940421649
SNP_P1_156531_39149790	NC_021166.1	Ca_kabuli_chr07	39149790	GG	TT	1940421650
SNP_P1_156532_39149796	NC_021166.1	Ca_kabuli_chr07	39149796	AA	TT	1940421651
SNP_P1_156533_39195731	NC_021166.1	Ca_kabuli_chr07	39195731	TT	CC	1940421652
SNP_P1_156534_39204924	NC_021166.1	Ca_kabuli_chr07	39204924	CC	TT	1940421653
SNP_P1_156535_39249016	NC_021166.1	Ca_kabuli_chr07	39249016	GG	TT	1940421654
SNP_P1_156536_39250499	NC_021166.1	Ca_kabuli_chr07	39250499	AA	GG	1940421655
SNP_P1_156537_39255620	NC_021166.1	Ca_kabuli_chr07	39255620	AA	GG	1940421656
SNP_P1_156538_39260448	NC_021166.1	Ca_kabuli_chr07	39260448	TT	CC	1940421657
SNP_P1_156539_39280325	NC_021166.1	Ca_kabuli_chr07	39280325	TT	AA	1940421658
SNP_P1_156540_39280326	NC_021166.1	Ca_kabuli_chr07	39280326	TT	GG	1940421659
SNP_P1_156542_39283614	NC_021166.1	Ca_kabuli_chr07	39283614	AA	CC	1940421660
SNP_P1_156543_39287155	NC_021166.1	Ca_kabuli_chr07	39287155	TT	CC	1940421661
SNP_P1_156544_39300391	NC_021166.1	Ca_kabuli_chr07	39300391	GG	AA	1940421662

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156548_39344387	NC_021166.1	Ca_kabuli_chr07	39344387	GG	TT	1940421665
SNP_P1_156549_39348288	NC_021166.1	Ca_kabuli_chr07	39348288	TT	CC	1940421666
SNP_P1_156550_39370830	NC_021166.1	Ca_kabuli_chr07	39370830	GG	CC	1940421667
SNP_P1_156551_39370914	NC_021166.1	Ca_kabuli_chr07	39370914	CC	AA	1940421668
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SNP_P1_156553_39370930	NC_021166.1	Ca_kabuli_chr07	39370930	GG	CC	1940421670
SNP_P1_156554_39371513	NC_021166.1	Ca_kabuli_chr07	39371513	AA	CC	1940421671
SNP_P1_156555_39383445	NC_021166.1	Ca_kabuli_chr07	39383445	TT	GG	1940421672
SNP_P1_156557_39410353	NC_021166.1	Ca_kabuli_chr07	39410353	CC	TT	1940421673
SNP_P1_156558_39413837	NC_021166.1	Ca_kabuli_chr07	39413837	AA	CC	1940421674
SNP_P1_156560_39461172	NC_021166.1	Ca_kabuli_chr07	39461172	AA	GG	1940421675
SNP_P1_156561_39468238	NC_021166.1	Ca_kabuli_chr07	39468238	GG	AA	1940421676
SNP_P1_156562_39468244	NC_021166.1	Ca_kabuli_chr07	39468244	TT	GG	1940421677
SNP_P1_156563_39521323	NC_021166.1	Ca_kabuli_chr07	39521323	CC	TT	1940421678
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SNP_P1_156570_39554641	NC_021166.1	Ca_kabuli_chr07	39554641	TT	CC	1940421683
SNP_P1_156571_39554726	NC_021166.1	Ca_kabuli_chr07	39554726	AA	GG	1940421684
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SNP_P1_156581_39577619	NC_021166.1	Ca_kabuli_chr07	39577619	CC	AA	1940421693
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SNP_P1_156583_39602912	NC_021166.1	Ca_kabuli_chr07	39602912	GG	AA	1940421695
SNP_P1_156584_39621481	NC_021166.1	Ca_kabuli_chr07	39621481	CC	TT	1940421696
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SNP_P1_156587_39630533	NC_021166.1	Ca_kabuli_chr07	39630533	CC	GG	1940421699
SNP_P1_156588_39630635	NC_021166.1	Ca_kabuli_chr07	39630635	CC	GG	1940421700
SNP_P1_156589_39630666	NC_021166.1	Ca_kabuli_chr07	39630666	GG	AA	1940421701
SNP_P1_156590_39630696	NC_021166.1	Ca_kabuli_chr07	39630696	GG	AA	1940421702
SNP_P1_156591_39630716	NC_021166.1	Ca_kabuli_chr07	39630716	TT	GG	1940421703
SNP_P1_156592_39630786	NC_021166.1	Ca_kabuli_chr07	39630786	TT	CC	1940421704

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156595_39636470	NC_021166.1	Ca_kabuli_chr07	39636470	CC	AA	1940421707
SNP_P1_156596_39636472	NC_021166.1	Ca_kabuli_chr07	39636472	GG	AA	1940421708
SNP_P1_156597_39636525	NC_021166.1	Ca_kabuli_chr07	39636525	TT	GG	1940421709
SNP_P1_156598_39637072	NC_021166.1	Ca_kabuli_chr07	39637072	GG	AA	1940421710
SNP_P1_156599_39637096	NC_021166.1	Ca_kabuli_chr07	39637096	TT	CC	1940421711
SNP_P1_156600_39637105	NC_021166.1	Ca_kabuli_chr07	39637105	CC	TT	1940421712
SNP_P1_156601_39639574	NC_021166.1	Ca_kabuli_chr07	39639574	TT	AA	1940421713
SNP_P1_156602_39639598	NC_021166.1	Ca_kabuli_chr07	39639598	GG	AA	1940421714
SNP_P1_156603_39673482	NC_021166.1	Ca_kabuli_chr07	39673482	GG	AA	1940421715
SNP_P1_156604_39700200	NC_021166.1	Ca_kabuli_chr07	39700200	TT	CC	1940421716
SNP_P1_156606_39719823	NC_021166.1	Ca_kabuli_chr07	39719823	CC	AA	1940421717
SNP_P1_156607_39721553	NC_021166.1	Ca_kabuli_chr07	39721553	GG	AA	1940421718
SNP_P1_156608_39727543	NC_021166.1	Ca_kabuli_chr07	39727543	AA	GG	1940421719
SNP_P1_156609_39727567	NC_021166.1	Ca_kabuli_chr07	39727567	CC	AA	1940421720
SNP_P1_156610_39728737	NC_021166.1	Ca_kabuli_chr07	39728737	TT	CC	1940421721
SNP_P1_156611_39730723	NC_021166.1	Ca_kabuli_chr07	39730723	AA	TT	1940421722
SNP_P1_156612_39742374	NC_021166.1	Ca_kabuli_chr07	39742374	AA	CC	1940421723
SNP_P1_156613_39742998	NC_021166.1	Ca_kabuli_chr07	39742998	TT	AA	1940421724
SNP_P1_156614_39749926	NC_021166.1	Ca_kabuli_chr07	39749926	TT	AA	1940421725
SNP_P1_156615_39760470	NC_021166.1	Ca_kabuli_chr07	39760470	AA	TT	1940421726
SNP_P1_156616_39761788	NC_021166.1	Ca_kabuli_chr07	39761788	GG	AA	1940421727
SNP_P1_156617_39789697	NC_021166.1	Ca_kabuli_chr07	39789697	CC	GG	1940421728
SNP_P1_156618_39789720	NC_021166.1	Ca_kabuli_chr07	39789720	CC	TT	1940421729
SNP_P1_156619_39790544	NC_021166.1	Ca_kabuli_chr07	39790544	TT	CC	1940421730
SNP_P1_156620_39790548	NC_021166.1	Ca_kabuli_chr07	39790548	TT	AA	1940421731
SNP_P1_156621_39792503	NC_021166.1	Ca_kabuli_chr07	39792503	GG	AA	1940421732
SNP_P1_156622_39794569	NC_021166.1	Ca_kabuli_chr07	39794569	AA	CC	1940421733
SNP_P1_156624_39804322	NC_021166.1	Ca_kabuli_chr07	39804322	AA	CC	1940421734
SNP_P1_156625_39804334	NC_021166.1	Ca_kabuli_chr07	39804334	CC	TT	1940421735
SNP_P1_156627_39819571	NC_021166.1	Ca_kabuli_chr07	39819571	TT	GG	1940421736
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SNP_P1_156630_39829230	NC_021166.1	Ca_kabuli_chr07	39829230	AA	GG	1940421739
SNP_P1_156631_39829268	NC_021166.1	Ca_kabuli_chr07	39829268	CC	TT	1940421740
SNP_P1_156632_39829293	NC_021166.1	Ca_kabuli_chr07	39829293	AA	GG	1940421741
SNP_P1_156633_39829484	NC_021166.1	Ca_kabuli_chr07	39829484	TT	CC	1940421742
SNP_P1_156634_39829493	NC_021166.1	Ca_kabuli_chr07	39829493	GG	AA	1940421743
SNP_P1_156635_39829542	NC_021166.1	Ca_kabuli_chr07	39829542	AA	GG	1940421744
SNP_P1_156636_39829623	NC_021166.1	Ca_kabuli_chr07	39829623	GG	AA	1940421745
SNP_P1_156637_39829645	NC_021166.1	Ca_kabuli_chr07	39829645	GG	TT	1940421746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156639_39829698	NC_021166.1	Ca_kabuli_chr07	39829698	AA	GG	1940421748
SNP_P1_156640_39829751	NC_021166.1	Ca_kabuli_chr07	39829751	GG	CC	1940421749
SNP_P1_156641_39829922	NC_021166.1	Ca_kabuli_chr07	39829922	CC	AA	1940421750
SNP_P1_156642_39830287	NC_021166.1	Ca_kabuli_chr07	39830287	GG	CC	1940421751
SNP_P1_156644_39830675	NC_021166.1	Ca_kabuli_chr07	39830675	TT	CC	1940421752
SNP_P1_156645_39830729	NC_021166.1	Ca_kabuli_chr07	39830729	GG	AA	1940421753
SNP_P1_156646_39830907	NC_021166.1	Ca_kabuli_chr07	39830907	CC	GG	1940421754
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SNP_P1_156649_39845456	NC_021166.1	Ca_kabuli_chr07	39845456	GG	AA	1940421757
SNP_P1_156650_39846468	NC_021166.1	Ca_kabuli_chr07	39846468	AA	GG	1940421758
SNP_P1_156651_39847498	NC_021166.1	Ca_kabuli_chr07	39847498	CC	AA	1940421759
SNP_P1_156652_39847531	NC_021166.1	Ca_kabuli_chr07	39847531	CC	TT	1940421760
SNP_P1_156653_39847577	NC_021166.1	Ca_kabuli_chr07	39847577	GG	AA	1940421761
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SNP_P1_156656_39847954	NC_021166.1	Ca_kabuli_chr07	39847954	AA	GG	1940421764
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SNP_P1_156667_39850999	NC_021166.1	Ca_kabuli_chr07	39850999	AA	TT	1940421775
SNP_P1_156668_39851001	NC_021166.1	Ca_kabuli_chr07	39851001	TT	CC	1940421776
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SNP_P1_156673_39893950	NC_021166.1	Ca_kabuli_chr07	39893950	AA	TT	1940421780
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SNP_P1_156680_39902293	NC_021166.1	Ca_kabuli_chr07	39902293	GG	TT	1940421786
SNP_P1_156681_39930759	NC_021166.1	Ca_kabuli_chr07	39930759	CC	AA	1940421787
SNP_P1_156682_39931224	NC_021166.1	Ca_kabuli_chr07	39931224	GG	AA	1940421788

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156685_39934656	NC_021166.1	Ca_kabuli_chr07	39934656	TT	CC	1940421791
SNP_P1_156686_39934667	NC_021166.1	Ca_kabuli_chr07	39934667	AA	GG	1940421792
SNP_P1_156687_39934685	NC_021166.1	Ca_kabuli_chr07	39934685	TT	GG	1940421793
SNP_P1_156688_39949690	NC_021166.1	Ca_kabuli_chr07	39949690	TT	CC	1940421794
SNP_P1_156689_39969847	NC_021166.1	Ca_kabuli_chr07	39969847	AA	GG	1940421795
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SNP_P1_156692_39983722	NC_021166.1	Ca_kabuli_chr07	39983722	CC	AA	1940421798
SNP_P1_156693_39984755	NC_021166.1	Ca_kabuli_chr07	39984755	CC	AA	1940421800
SNP_P1_156694_39984786	NC_021166.1	Ca_kabuli_chr07	39984786	AA	TT	1940421801
SNP_P1_156696_39988233	NC_021166.1	Ca_kabuli_chr07	39988233	CC	TT	1940421802
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SNP_P1_156698_39997153	NC_021166.1	Ca_kabuli_chr07	39997153	CC	AA	1940421804
SNP_P1_156699_39998114	NC_021166.1	Ca_kabuli_chr07	39998114	CC	AA	1940421805
SNP_P1_156700_40006408	NC_021166.1	Ca_kabuli_chr07	40006408	AA	CC	1940421806
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SNP_P1_156703_40014183	NC_021166.1	Ca_kabuli_chr07	40014183	AA	GG	1940421809
SNP_P1_156704_40014408	NC_021166.1	Ca_kabuli_chr07	40014408	GG	AA	1940421810
SNP_P1_156705_40036257	NC_021166.1	Ca_kabuli_chr07	40036257	CC	TT	1940421811
SNP_P1_156706_40036605	NC_021166.1	Ca_kabuli_chr07	40036605	AA	GG	1940421812
SNP_P1_156707_40037237	NC_021166.1	Ca_kabuli_chr07	40037237	TT	AA	1940421813
SNP_P1_156708_40037244	NC_021166.1	Ca_kabuli_chr07	40037244	AA	GG	1940421814
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SNP_P1_156712_40048887	NC_021166.1	Ca_kabuli_chr07	40048887	TT	CC	1940421817
SNP_P1_156713_40048916	NC_021166.1	Ca_kabuli_chr07	40048916	TT	CC	1940421818
SNP_P1_156714_40048944	NC_021166.1	Ca_kabuli_chr07	40048944	TT	CC	1940421819
SNP_P1_156715_40049138	NC_021166.1	Ca_kabuli_chr07	40049138	TT	CC	1940421820
SNP_P1_156716_40049580	NC_021166.1	Ca_kabuli_chr07	40049580	CC	GG	1940421821
SNP_P1_156717_40049596	NC_021166.1	Ca_kabuli_chr07	40049596	AA	CC	1940421822
SNP_P1_156718_40049662	NC_021166.1	Ca_kabuli_chr07	40049662	TT	CC	1940421823
SNP_P1_156719_40049697	NC_021166.1	Ca_kabuli_chr07	40049697	GG	AA	1940421824
SNP_P1_156720_40049744	NC_021166.1	Ca_kabuli_chr07	40049744	TT	CC	1940421825
SNP_P1_156721_40049757	NC_021166.1	Ca_kabuli_chr07	40049757	TT	AA	1940421826
SNP_P1_156722_40049763	NC_021166.1	Ca_kabuli_chr07	40049763	AA	GG	1940421827
SNP_P1_156723_40049879	NC_021166.1	Ca_kabuli_chr07	40049879	TT	CC	1940421828
SNP_P1_156724_40049881	NC_021166.1	Ca_kabuli_chr07	40049881	TT	CC	1940421829
SNP_P1_156725_40049900	NC_021166.1	Ca_kabuli_chr07	40049900	AA	GG	1940421830
SNP_P1_156726_40049907	NC_021166.1	Ca_kabuli_chr07	40049907	AA	GG	1940421831

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_156727_40049909	NC_021166.1	Ca_kabuli_chr07	40049909	AA	GG	1940421832
SNP_P1_156728_40049965	NC_021166.1	Ca_kabuli_chr07	40049965	AA	GG	1940421833
SNP_P1_156729_40050007	NC_021166.1	Ca_kabuli_chr07	40050007	TT	GG	1940421834
SNP_P1_156730_40056539	NC_021166.1	Ca_kabuli_chr07	40056539	TT	CC	1940421835
SNP_P1_156731_40077684	NC_021166.1	Ca_kabuli_chr07	40077684	GG	TT	1940421836
SNP_P1_156732_40081824	NC_021166.1	Ca_kabuli_chr07	40081824	GG	AA	1940421837
SNP_P1_156734_40086996	NC_021166.1	Ca_kabuli_chr07	40086996	AA	TT	1940421838
SNP_P1_156735_40086997	NC_021166.1	Ca_kabuli_chr07	40086997	TT	GG	1940421839
SNP_P1_156736_40087001	NC_021166.1	Ca_kabuli_chr07	40087001	TT	CC	1940421840
SNP_P1_156737_40087179	NC_021166.1	Ca_kabuli_chr07	40087179	TT	AA	1940421841
SNP_P1_156738_40087196	NC_021166.1	Ca_kabuli_chr07	40087196	AA	GG	1940421842
SNP_P1_156739_40088496	NC_021166.1	Ca_kabuli_chr07	40088496	AA	GG	1940421843
SNP_P1_156740_40088561	NC_021166.1	Ca_kabuli_chr07	40088561	AA	GG	1940421844
SNP_P1_156741_40088598	NC_021166.1	Ca_kabuli_chr07	40088598	CC	AA	1940421845
SNP_P1_156742_40088633	NC_021166.1	Ca_kabuli_chr07	40088633	CC	TT	1940421846
SNP_P1_156744_40089862	NC_021166.1	Ca_kabuli_chr07	40089862	GG	TT	1940421847
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SNP_P1_156746_40089899	NC_021166.1	Ca_kabuli_chr07	40089899	TT	GG	1940421849
SNP_P1_156747_40090287	NC_021166.1	Ca_kabuli_chr07	40090287	CC	TT	1940421850
SNP_P1_156748_40118888	NC_021166.1	Ca_kabuli_chr07	40118888	AA	GG	1940421851
SNP_P1_156749_40118943	NC_021166.1	Ca_kabuli_chr07	40118943	AA	GG	1940421852
SNP_P1_156750_40130059	NC_021166.1	Ca_kabuli_chr07	40130059	CC	TT	1940421853
SNP_P1_156752_40139400	NC_021166.1	Ca_kabuli_chr07	40139400	CC	TT	1940421854
SNP_P1_156753_40142773	NC_021166.1	Ca_kabuli_chr07	40142773	CC	AA	1940421855
SNP_P1_156755_40153296	NC_021166.1	Ca_kabuli_chr07	40153296	AA	GG	1940421856
SNP_P1_156756_40153297	NC_021166.1	Ca_kabuli_chr07	40153297	CC	TT	1940421857
SNP_P1_156757_40154883	NC_021166.1	Ca_kabuli_chr07	40154883	CC	GG	1940421858
SNP_P1_156758_40161060	NC_021166.1	Ca_kabuli_chr07	40161060	TT	CC	1940421859
SNP_P1_156760_40202585	NC_021166.1	Ca_kabuli_chr07	40202585	AA	GG	1940421860
SNP_P1_156761_40206535	NC_021166.1	Ca_kabuli_chr07	40206535	GG	CC	1940421861
SNP_P1_156762_40209862	NC_021166.1	Ca_kabuli_chr07	40209862	AA	CC	1940421862
SNP_P1_156764_40224133	NC_021166.1	Ca_kabuli_chr07	40224133	GG	AA	1940421863
SNP_P1_156765_40255801	NC_021166.1	Ca_kabuli_chr07	40255801	TT	AA	1940421864
SNP_P1_156766_40263271	NC_021166.1	Ca_kabuli_chr07	40263271	GG	AA	1940421865
SNP_P1_156767_40263357	NC_021166.1	Ca_kabuli_chr07	40263357	GG	AA	1940421866
SNP_P1_156768_40277122	NC_021166.1	Ca_kabuli_chr07	40277122	TT	CC	1940421867
SNP_P1_156769_40277229	NC_021166.1	Ca_kabuli_chr07	40277229	AA	TT	1940421868
SNP_P1_156770_40277637	NC_021166.1	Ca_kabuli_chr07	40277637	AA	GG	1940421869
SNP_P1_156771_40277963	NC_021166.1	Ca_kabuli_chr07	40277963	TT	GG	1940421870
SNP_P1_156772_40277977	NC_021166.1	Ca_kabuli_chr07	40277977	TT	CC	1940421871
SNP_P1_156773_40281006	NC_021166.1	Ca_kabuli_chr07	40281006	AA	GG	1940421872
SNP_P1_156774_40308929	NC_021166.1	Ca_kabuli_chr07	40308929	CC	TT	1940421873

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156776_40337793	NC_021166.1	Ca_kabuli_chr07	40337793	GG	AA	1940421875
SNP_P1_156777_40344269	NC_021166.1	Ca_kabuli_chr07	40344269	GG	AA	1940421876
SNP_P1_156778_40345450	NC_021166.1	Ca_kabuli_chr07	40345450	AA	GG	1940421877
SNP_P1_156779_40345881	NC_021166.1	Ca_kabuli_chr07	40345881	GG	AA	1940421878
SNP_P1_156780_40345892	NC_021166.1	Ca_kabuli_chr07	40345892	GG	TT	1940421879
SNP_P1_156781_40345893	NC_021166.1	Ca_kabuli_chr07	40345893	AA	GG	1940421880
SNP_P1_156782_40356410	NC_021166.1	Ca_kabuli_chr07	40356410	CC	AA	1940421881
SNP_P1_156783_40357838	NC_021166.1	Ca_kabuli_chr07	40357838	CC	TT	1940421882
SNP_P1_156784_40386630	NC_021166.1	Ca_kabuli_chr07	40386630	CC	TT	1940421883
SNP_P1_156786_40429662	NC_021166.1	Ca_kabuli_chr07	40429662	GG	AA	1940421884
SNP_P1_156787_40429663	NC_021166.1	Ca_kabuli_chr07	40429663	AA	GG	1940421885
SNP_P1_156788_40429796	NC_021166.1	Ca_kabuli_chr07	40429796	AA	GG	1940421886
SNP_P1_156789_40429870	NC_021166.1	Ca_kabuli_chr07	40429870	CC	GG	1940421887
SNP_P1_156790_40429976	NC_021166.1	Ca_kabuli_chr07	40429976	AA	GG	1940421888
SNP_P1_156791_40430046	NC_021166.1	Ca_kabuli_chr07	40430046	CC	AA	1940421889
SNP_P1_156792_40430085	NC_021166.1	Ca_kabuli_chr07	40430085	AA	CC	1940421890
SNP_P1_156793_40430109	NC_021166.1	Ca_kabuli_chr07	40430109	GG	AA	1940421891
SNP_P1_156794_40430110	NC_021166.1	Ca_kabuli_chr07	40430110	AA	GG	1940421892
SNP_P1_156796_40430182	NC_021166.1	Ca_kabuli_chr07	40430182	TT	GG	1940421893
SNP_P1_156797_40430183	NC_021166.1	Ca_kabuli_chr07	40430183	TT	CC	1940421894
SNP_P1_156798_40431923	NC_021166.1	Ca_kabuli_chr07	40431923	GG	TT	1940421895
SNP_P1_156799_40432364	NC_021166.1	Ca_kabuli_chr07	40432364	AA	GG	1940421896
SNP_P1_156800_40439650	NC_021166.1	Ca_kabuli_chr07	40439650	CC	GG	1940421897
SNP_P1_156802_40472537	NC_021166.1	Ca_kabuli_chr07	40472537	AA	TT	1940421898
SNP_P1_156803_40474106	NC_021166.1	Ca_kabuli_chr07	40474106	AA	GG	1940421899
SNP_P1_156804_40474107	NC_021166.1	Ca_kabuli_chr07	40474107	AA	TT	1940421900
SNP_P1_156805_40474108	NC_021166.1	Ca_kabuli_chr07	40474108	AA	TT	1940421901
SNP_P1_156806_40474121	NC_021166.1	Ca_kabuli_chr07	40474121	TT	CC	1940421902
SNP_P1_156807_40474122	NC_021166.1	Ca_kabuli_chr07	40474122	GG	AA	1940421903
SNP_P1_156808_40474129	NC_021166.1	Ca_kabuli_chr07	40474129	GG	AA	1940421904
SNP_P1_156809_40474281	NC_021166.1	Ca_kabuli_chr07	40474281	CC	GG	1940421905
SNP_P1_156810_40479235	NC_021166.1	Ca_kabuli_chr07	40479235	CC	AA	1940421906
SNP_P1_156811_40482862	NC_021166.1	Ca_kabuli_chr07	40482862	TT	CC	1940421907
SNP_P1_156812_40489992	NC_021166.1	Ca_kabuli_chr07	40489992	CC	AA	1940421909
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SNP_P1_156815_40514171	NC_021166.1	Ca_kabuli_chr07	40514171	CC	TT	1940421911
SNP_P1_156817_40524505	NC_021166.1	Ca_kabuli_chr07	40524505	AA	TT	1940421912
SNP_P1_156818_40524538	NC_021166.1	Ca_kabuli_chr07	40524538	AA	GG	1940421913
SNP_P1_156819_40524776	NC_021166.1	Ca_kabuli_chr07	40524776	GG	AA	1940421914
SNP_P1_156820_40524777	NC_021166.1	Ca_kabuli_chr07	40524777	GG	AA	1940421915
SNP_P1_156821_40524810	NC_021166.1	Ca_kabuli_chr07	40524810	AA	GG	1940421916

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156823_40555110	NC_021166.1	Ca_kabuli_chr07	40555110	TT	CC	1940421918
SNP_P1_156824_40555188	NC_021166.1	Ca_kabuli_chr07	40555188	AA	GG	1940421919
SNP_P1_156825_40555213	NC_021166.1	Ca_kabuli_chr07	40555213	GG	AA	1940421920
SNP_P1_156826_40555252	NC_021166.1	Ca_kabuli_chr07	40555252	CC	TT	1940421921
SNP_P1_156827_40555322	NC_021166.1	Ca_kabuli_chr07	40555322	TT	CC	1940421922
SNP_P1_156828_40555345	NC_021166.1	Ca_kabuli_chr07	40555345	GG	TT	1940421923
SNP_P1_156829_40555542	NC_021166.1	Ca_kabuli_chr07	40555542	TT	CC	1940421924
SNP_P1_156830_40555580	NC_021166.1	Ca_kabuli_chr07	40555580	CC	TT	1940421925
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SNP_P1_156832_40555641	NC_021166.1	Ca_kabuli_chr07	40555641	TT	CC	1940421927
SNP_P1_156833_40555686	NC_021166.1	Ca_kabuli_chr07	40555686	TT	GG	1940421928
SNP_P1_156834_40555703	NC_021166.1	Ca_kabuli_chr07	40555703	AA	TT	1940421929
SNP_P1_156835_40572962	NC_021166.1	Ca_kabuli_chr07	40572962	TT	AA	1940421930
SNP_P1_156836_40573452	NC_021166.1	Ca_kabuli_chr07	40573452	AA	GG	1940421931
SNP_P1_156837_40575885	NC_021166.1	Ca_kabuli_chr07	40575885	GG	AA	1940421932
SNP_P1_156838_40589452	NC_021166.1	Ca_kabuli_chr07	40589452	AA	GG	1940421933
SNP_P1_156839_40589463	NC_021166.1	Ca_kabuli_chr07	40589463	TT	CC	1940421934
SNP_P1_156840_40589505	NC_021166.1	Ca_kabuli_chr07	40589505	TT	CC	1940421935
SNP_P1_156841_40589520	NC_021166.1	Ca_kabuli_chr07	40589520	TT	CC	1940421936
SNP_P1_156842_40589583	NC_021166.1	Ca_kabuli_chr07	40589583	AA	GG	1940421937
SNP_P1_156843_40589607	NC_021166.1	Ca_kabuli_chr07	40589607	TT	CC	1940421938
SNP_P1_156844_40589620	NC_021166.1	Ca_kabuli_chr07	40589620	CC	TT	1940421939
SNP_P1_156845_40589642	NC_021166.1	Ca_kabuli_chr07	40589642	TT	CC	1940421940
SNP_P1_156846_40589649	NC_021166.1	Ca_kabuli_chr07	40589649	AA	TT	1940421941
SNP_P1_156847_40589673	NC_021166.1	Ca_kabuli_chr07	40589673	GG	AA	1940421942
SNP_P1_156848_40589712	NC_021166.1	Ca_kabuli_chr07	40589712	CC	GG	1940421943
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SNP_P1_156850_40589903	NC_021166.1	Ca_kabuli_chr07	40589903	AA	CC	1940421945
SNP_P1_156851_40589912	NC_021166.1	Ca_kabuli_chr07	40589912	AA	CC	1940421946
SNP_P1_156852_40589935	NC_021166.1	Ca_kabuli_chr07	40589935	TT	CC	1940421947
SNP_P1_156853_40590049	NC_021166.1	Ca_kabuli_chr07	40590049	TT	GG	1940421948
SNP_P1_156856_40609734	NC_021166.1	Ca_kabuli_chr07	40609734	CC	AA	1940421949
SNP_P1_156857_40610094	NC_021166.1	Ca_kabuli_chr07	40610094	TT	AA	1940421950
SNP_P1_156858_40619724	NC_021166.1	Ca_kabuli_chr07	40619724	GG	AA	1940421951
SNP_P1_156859_40628787	NC_021166.1	Ca_kabuli_chr07	40628787	CC	TT	1940421952
SNP_P1_156860_40629246	NC_021166.1	Ca_kabuli_chr07	40629246	AA	GG	1940421953
SNP_P1_156861_40644326	NC_021166.1	Ca_kabuli_chr07	40644326	GG	TT	1940421954
SNP_P1_156862_40649646	NC_021166.1	Ca_kabuli_chr07	40649646	GG	TT	1940421955
SNP_P1_156863_40650339	NC_021166.1	Ca_kabuli_chr07	40650339	TT	CC	1940421956
SNP_P1_156864_40656352	NC_021166.1	Ca_kabuli_chr07	40656352	GG	CC	1940421957
SNP_P1_156865_40658909	NC_021166.1	Ca_kabuli_chr07	40658909	GG	AA	1940421958

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156867_40659698	NC_021166.1	Ca_kabuli_chr07	40659698	AA	TT	1940421960
SNP_P1_156868_40668693	NC_021166.1	Ca_kabuli_chr07	40668693	TT	AA	1940421961
SNP_P1_156869_40673255	NC_021166.1	Ca_kabuli_chr07	40673255	CC	TT	1940421962
SNP_P1_156870_40748364	NC_021166.1	Ca_kabuli_chr07	40748364	AA	GG	1940421963
SNP_P1_156871_40748781	NC_021166.1	Ca_kabuli_chr07	40748781	TT	GG	1940421964
SNP_P1_156872_40748804	NC_021166.1	Ca_kabuli_chr07	40748804	AA	GG	1940421965
SNP_P1_156874_40768770	NC_021166.1	Ca_kabuli_chr07	40768770	GG	AA	1940421966
SNP_P1_156875_40768776	NC_021166.1	Ca_kabuli_chr07	40768776	CC	TT	1940421967
SNP_P1_156876_40768803	NC_021166.1	Ca_kabuli_chr07	40768803	CC	TT	1940421968
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SNP_P1_156880_40773842	NC_021166.1	Ca_kabuli_chr07	40773842	AA	CC	1940421971
SNP_P1_156881_40773885	NC_021166.1	Ca_kabuli_chr07	40773885	CC	TT	1940421972
SNP_P1_156882_40773986	NC_021166.1	Ca_kabuli_chr07	40773986	TT	AA	1940421973
SNP_P1_156883_40774254	NC_021166.1	Ca_kabuli_chr07	40774254	GG	AA	1940421974
SNP_P1_156884_40781877	NC_021166.1	Ca_kabuli_chr07	40781877	AA	CC	1940421975
SNP_P1_156885_40781879	NC_021166.1	Ca_kabuli_chr07	40781879	GG	AA	1940421976
SNP_P1_156886_40781884	NC_021166.1	Ca_kabuli_chr07	40781884	TT	GG	1940421977
SNP_P1_156887_40781945	NC_021166.1	Ca_kabuli_chr07	40781945	TT	GG	1940421978
SNP_P1_156888_40799057	NC_021166.1	Ca_kabuli_chr07	40799057	GG	AA	1940421979
SNP_P1_156889_40801538	NC_021166.1	Ca_kabuli_chr07	40801538	CC	AA	1940421980
SNP_P1_156890_40804812	NC_021166.1	Ca_kabuli_chr07	40804812	AA	TT	1940421981
SNP_P1_156891_40836226	NC_021166.1	Ca_kabuli_chr07	40836226	TT	CC	1940421982
SNP_P1_156892_40839175	NC_021166.1	Ca_kabuli_chr07	40839175	AA	GG	1940421983
SNP_P1_156893_40844094	NC_021166.1	Ca_kabuli_chr07	40844094	GG	AA	1940421984
SNP_P1_156894_40851452	NC_021166.1	Ca_kabuli_chr07	40851452	AA	GG	1940421985
SNP_P1_156895_40886971	NC_021166.1	Ca_kabuli_chr07	40886971	TT	CC	1940421986
SNP_P1_156896_40888096	NC_021166.1	Ca_kabuli_chr07	40888096	CC	TT	1940421987
SNP_P1_156897_40888258	NC_021166.1	Ca_kabuli_chr07	40888258	TT	CC	1940421988
SNP_P1_156898_40888259	NC_021166.1	Ca_kabuli_chr07	40888259	GG	AA	1940421989
SNP_P1_156899_40897899	NC_021166.1	Ca_kabuli_chr07	40897899	CC	AA	1940421990
SNP_P1_156900_40910330	NC_021166.1	Ca_kabuli_chr07	40910330	GG	AA	1940421991
SNP_P1_156901_40911879	NC_021166.1	Ca_kabuli_chr07	40911879	AA	CC	1940421992
SNP_P1_156902_40951083	NC_021166.1	Ca_kabuli_chr07	40951083	TT	CC	1940421993
SNP_P1_156903_40955476	NC_021166.1	Ca_kabuli_chr07	40955476	CC	TT	1940421994
SNP_P1_156904_40957061	NC_021166.1	Ca_kabuli_chr07	40957061	GG	AA	1940421995
SNP_P1_156906_40963728	NC_021166.1	Ca_kabuli_chr07	40963728	TT	GG	1940421996
SNP_P1_156907_40963878	NC_021166.1	Ca_kabuli_chr07	40963878	CC	TT	1940421997
SNP_P1_156908_40965582	NC_021166.1	Ca_kabuli_chr07	40965582	CC	AA	1940421998
SNP_P1_156909_40969502	NC_021166.1	Ca_kabuli_chr07	40969502	CC	TT	1940421999
SNP_P1_156910_40973569	NC_021166.1	Ca_kabuli_chr07	40973569	AA	GG	1940422000

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156912_40973947	NC_021166.1	Ca_kabuli_chr07	40973947	GG	AA	1940422002
SNP_P1_156913_40973948	NC_021166.1	Ca_kabuli_chr07	40973948	AA	TT	1940422003
SNP_P1_156914_40978498	NC_021166.1	Ca_kabuli_chr07	40978498	TT	AA	1940422004
SNP_P1_156915_40978509	NC_021166.1	Ca_kabuli_chr07	40978509	GG	TT	1940422005
SNP_P1_156916_40978512	NC_021166.1	Ca_kabuli_chr07	40978512	TT	AA	1940422006
SNP_P1_156917_40978541	NC_021166.1	Ca_kabuli_chr07	40978541	AA	TT	1940422007
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SNP_P1_156919_40978599	NC_021166.1	Ca_kabuli_chr07	40978599	CC	AA	1940422009
SNP_P1_156920_40978652	NC_021166.1	Ca_kabuli_chr07	40978652	CC	TT	1940422010
SNP_P1_156921_40978653	NC_021166.1	Ca_kabuli_chr07	40978653	GG	AA	1940422011
SNP_P1_156922_40978663	NC_021166.1	Ca_kabuli_chr07	40978663	TT	CC	1940422012
SNP_P1_156923_40978666	NC_021166.1	Ca_kabuli_chr07	40978666	AA	GG	1940422013
SNP_P1_156924_40978670	NC_021166.1	Ca_kabuli_chr07	40978670	CC	GG	1940422014
SNP_P1_156925_40978689	NC_021166.1	Ca_kabuli_chr07	40978689	TT	CC	1940422015
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SNP_P1_156929_40980909	NC_021166.1	Ca_kabuli_chr07	40980909	AA	GG	1940422019
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SNP_P1_156932_40982357	NC_021166.1	Ca_kabuli_chr07	40982357	AA	GG	1940422022
SNP_P1_156933_40982377	NC_021166.1	Ca_kabuli_chr07	40982377	TT	AA	1940422023
SNP_P1_156934_40982406	NC_021166.1	Ca_kabuli_chr07	40982406	TT	CC	1940422024
SNP_P1_156935_40982585	NC_021166.1	Ca_kabuli_chr07	40982585	AA	GG	1940422025
SNP_P1_156937_40985058	NC_021166.1	Ca_kabuli_chr07	40985058	AA	TT	1940422026
SNP_P1_156938_40985074	NC_021166.1	Ca_kabuli_chr07	40985074	CC	AA	1940422027
SNP_P1_156939_40985089	NC_021166.1	Ca_kabuli_chr07	40985089	CC	TT	1940422028
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SNP_P1_156941_40985100	NC_021166.1	Ca_kabuli_chr07	40985100	CC	TT	1940422030
SNP_P1_156942_40985109	NC_021166.1	Ca_kabuli_chr07	40985109	CC	GG	1940422031
SNP_P1_156943_40985117	NC_021166.1	Ca_kabuli_chr07	40985117	AA	TT	1940422032
SNP_P1_156944_40985319	NC_021166.1	Ca_kabuli_chr07	40985319	GG	AA	1940422033
SNP_P1_156945_40986595	NC_021166.1	Ca_kabuli_chr07	40986595	AA	GG	1940422034
SNP_P1_156946_40986603	NC_021166.1	Ca_kabuli_chr07	40986603	GG	TT	1940422035
SNP_P1_156947_40986605	NC_021166.1	Ca_kabuli_chr07	40986605	AA	TT	1940422036
SNP_P1_156948_40986757	NC_021166.1	Ca_kabuli_chr07	40986757	AA	TT	1940422037
SNP_P1_156949_40986759	NC_021166.1	Ca_kabuli_chr07	40986759	TT	AA	1940422038
SNP_P1_156950_40986781	NC_021166.1	Ca_kabuli_chr07	40986781	AA	TT	1940422039
SNP_P1_156951_40986787	NC_021166.1	Ca_kabuli_chr07	40986787	TT	AA	1940422040
SNP_P1_156952_40986794	NC_021166.1	Ca_kabuli_chr07	40986794	AA	TT	1940422041
SNP_P1_156953_40986816	NC_021166.1	Ca_kabuli_chr07	40986816	AA	CC	1940422042

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_156957_40990867	NC_021166.1	Ca_kabuli_chr07	40990867	GG	TT	1940422046
SNP_P1_156958_40990890	NC_021166.1	Ca_kabuli_chr07	40990890	GG	AA	1940422047
SNP_P1_156959_40990917	NC_021166.1	Ca_kabuli_chr07	40990917	AA	GG	1940422048
SNP_P1_156960_40990919	NC_021166.1	Ca_kabuli_chr07	40990919	AA	GG	1940422049
SNP_P1_156961_40990950	NC_021166.1	Ca_kabuli_chr07	40990950	CC	TT	1940422050
SNP_P1_156962_40990959	NC_021166.1	Ca_kabuli_chr07	40990959	CC	AA	1940422051
SNP_P1_156963_40990964	NC_021166.1	Ca_kabuli_chr07	40990964	TT	CC	1940422052
SNP_P1_156965_41008410	NC_021166.1	Ca_kabuli_chr07	41008410	GG	TT	1940422054
SNP_P1_156966_41008436	NC_021166.1	Ca_kabuli_chr07	41008436	AA	GG	1940422055
SNP_P1_156967_41008458	NC_021166.1	Ca_kabuli_chr07	41008458	TT	GG	1940422056
SNP_P1_156968_41008493	NC_021166.1	Ca_kabuli_chr07	41008493	TT	AA	1940422057
SNP_P1_156969_41008546	NC_021166.1	Ca_kabuli_chr07	41008546	CC	TT	1940422058
SNP_P1_156970_41008565	NC_021166.1	Ca_kabuli_chr07	41008565	AA	GG	1940422059
SNP_P1_156971_41008607	NC_021166.1	Ca_kabuli_chr07	41008607	CC	GG	1940422060
SNP_P1_156972_41008692	NC_021166.1	Ca_kabuli_chr07	41008692	GG	AA	1940422061
SNP_P1_156973_41008705	NC_021166.1	Ca_kabuli_chr07	41008705	AA	GG	1940422062
SNP_P1_156974_41008762	NC_021166.1	Ca_kabuli_chr07	41008762	GG	TT	1940422063
SNP_P1_156976_41008824	NC_021166.1	Ca_kabuli_chr07	41008824	AA	CC	1940422064
SNP_P1_156977_41008833	NC_021166.1	Ca_kabuli_chr07	41008833	GG	AA	1940422065
SNP_P1_156978_41008839	NC_021166.1	Ca_kabuli_chr07	41008839	CC	TT	1940422066
SNP_P1_156979_41008846	NC_021166.1	Ca_kabuli_chr07	41008846	GG	AA	1940422067
SNP_P1_156980_41008877	NC_021166.1	Ca_kabuli_chr07	41008877	TT	AA	1940422068
SNP_P1_156981_41008915	NC_021166.1	Ca_kabuli_chr07	41008915	AA	GG	1940422069
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SNP_P1_156985_41009249	NC_021166.1	Ca_kabuli_chr07	41009249	AA	TT	1940422073
SNP_P1_156986_41009304	NC_021166.1	Ca_kabuli_chr07	41009304	AA	CC	1940422074
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SNP_P1_156989_41009867	NC_021166.1	Ca_kabuli_chr07	41009867	TT	AA	1940422077
SNP_P1_156990_41009898	NC_021166.1	Ca_kabuli_chr07	41009898	CC	AA	1940422078
SNP_P1_156992_41009987	NC_021166.1	Ca_kabuli_chr07	41009987	GG	AA	1940422079
SNP_P1_156993_41010116	NC_021166.1	Ca_kabuli_chr07	41010116	GG	AA	1940422080
SNP_P1_156995_41010247	NC_021166.1	Ca_kabuli_chr07	41010247	TT	AA	1940422081
SNP_P1_156996_41010343	NC_021166.1	Ca_kabuli_chr07	41010343	TT	AA	1940422082
SNP_P1_156997_41023103	NC_021166.1	Ca_kabuli_chr07	41023103	GG	AA	1940422083
SNP_P1_156998_41026064	NC_021166.1	Ca_kabuli_chr07	41026064	AA	CC	1940422084
SNP_P1_156999_41027445	NC_021166.1	Ca_kabuli_chr07	41027445	AA	TT	1940422085

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157002_41027569	NC_021166.1	Ca_kabuli_chr07	41027569	AA	CC	1940422088
SNP_P1_157003_41027627	NC_021166.1	Ca_kabuli_chr07	41027627	GG	AA	1940422089
SNP_P1_157004_41027790	NC_021166.1	Ca_kabuli_chr07	41027790	AA	CC	1940422090
SNP_P1_157005_41027830	NC_021166.1	Ca_kabuli_chr07	41027830	CC	GG	1940422091
SNP_P1_157006_41027861	NC_021166.1	Ca_kabuli_chr07	41027861	AA	GG	1940422092
SNP_P1_157007_41027893	NC_021166.1	Ca_kabuli_chr07	41027893	TT	AA	1940422093
SNP_P1_157008_41027957	NC_021166.1	Ca_kabuli_chr07	41027957	TT	GG	1940422094
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SNP_P1_157010_41042825	NC_021166.1	Ca_kabuli_chr07	41042825	CC	AA	1940422096
SNP_P1_157011_41053047	NC_021166.1	Ca_kabuli_chr07	41053047	GG	AA	1940422097
SNP_P1_157012_41060475	NC_021166.1	Ca_kabuli_chr07	41060475	CC	TT	1940422098
SNP_P1_157013_41060763	NC_021166.1	Ca_kabuli_chr07	41060763	CC	TT	1940422099
SNP_P1_157014_41067704	NC_021166.1	Ca_kabuli_chr07	41067704	TT	CC	1940422100
SNP_P1_157015_41073180	NC_021166.1	Ca_kabuli_chr07	41073180	TT	CC	1940422101
SNP_P1_157016_41082473	NC_021166.1	Ca_kabuli_chr07	41082473	TT	GG	1940422102
SNP_P1_157017_41083721	NC_021166.1	Ca_kabuli_chr07	41083721	CC	TT	1940422103
SNP_P1_157018_41096459	NC_021166.1	Ca_kabuli_chr07	41096459	TT	GG	1940422104
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SNP_P1_157020_41098498	NC_021166.1	Ca_kabuli_chr07	41098498	TT	CC	1940422106
SNP_P1_157021_41098812	NC_021166.1	Ca_kabuli_chr07	41098812	TT	CC	1940422107
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SNP_P1_157023_41098827	NC_021166.1	Ca_kabuli_chr07	41098827	TT	AA	1940422109
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SNP_P1_157028_41115650	NC_021166.1	Ca_kabuli_chr07	41115650	AA	GG	1940422114
SNP_P1_157029_41118677	NC_021166.1	Ca_kabuli_chr07	41118677	AA	TT	1940422115
SNP_P1_157030_41129475	NC_021166.1	Ca_kabuli_chr07	41129475	TT	CC	1940422116
SNP_P1_157031_41129610	NC_021166.1	Ca_kabuli_chr07	41129610	CC	TT	1940422117
SNP_P1_157032_41129614	NC_021166.1	Ca_kabuli_chr07	41129614	AA	GG	1940422118
SNP_P1_157033_41129703	NC_021166.1	Ca_kabuli_chr07	41129703	CC	TT	1940422119
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SNP_P1_157038_41158558	NC_021166.1	Ca_kabuli_chr07	41158558	AA	CC	1940422123
SNP_P1_157039_41158615	NC_021166.1	Ca_kabuli_chr07	41158615	TT	CC	1940422124
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SNP_P1_157042_41158904	NC_021166.1	Ca_kabuli_chr07	41158904	CC	AA	1940422127

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157045_41167886	NC_021166.1	Ca_kabuli_chr07	41167886	CC	TT	1940422130
SNP_P1_157046_41167896	NC_021166.1	Ca_kabuli_chr07	41167896	GG	AA	1940422131
SNP_P1_157047_41167901	NC_021166.1	Ca_kabuli_chr07	41167901	GG	AA	1940422132
SNP_P1_157048_41167907	NC_021166.1	Ca_kabuli_chr07	41167907	TT	GG	1940422133
SNP_P1_157049_41167913	NC_021166.1	Ca_kabuli_chr07	41167913	AA	CC	1940422134
SNP_P1_157050_41167934	NC_021166.1	Ca_kabuli_chr07	41167934	GG	AA	1940422135
SNP_P1_157051_41167952	NC_021166.1	Ca_kabuli_chr07	41167952	AA	GG	1940422136
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SNP_P1_157053_41168070	NC_021166.1	Ca_kabuli_chr07	41168070	AA	GG	1940422138
SNP_P1_157054_41168074	NC_021166.1	Ca_kabuli_chr07	41168074	TT	CC	1940422139
SNP_P1_157055_41168133	NC_021166.1	Ca_kabuli_chr07	41168133	GG	AA	1940422140
SNP_P1_157056_41168195	NC_021166.1	Ca_kabuli_chr07	41168195	GG	TT	1940422141
SNP_P1_157057_41168205	NC_021166.1	Ca_kabuli_chr07	41168205	AA	GG	1940422142
SNP_P1_157058_41168230	NC_021166.1	Ca_kabuli_chr07	41168230	AA	CC	1940422143
SNP_P1_157059_41168269	NC_021166.1	Ca_kabuli_chr07	41168269	GG	TT	1940422144
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SNP_P1_157065_41170143	NC_021166.1	Ca_kabuli_chr07	41170143	AA	GG	1940422149
SNP_P1_157066_41170275	NC_021166.1	Ca_kabuli_chr07	41170275	CC	GG	1940422150
SNP_P1_157067_41170311	NC_021166.1	Ca_kabuli_chr07	41170311	CC	AA	1940422151
SNP_P1_157068_41170466	NC_021166.1	Ca_kabuli_chr07	41170466	AA	TT	1940422152
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SNP_P1_157074_41215435	NC_021166.1	Ca_kabuli_chr07	41215435	AA	CC	1940422158
SNP_P1_157075_41215657	NC_021166.1	Ca_kabuli_chr07	41215657	GG	CC	1940422159
SNP_P1_157076_41217168	NC_021166.1	Ca_kabuli_chr07	41217168	AA	GG	1940422160
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SNP_P1_157080_41239078	NC_021166.1	Ca_kabuli_chr07	41239078	CC	TT	1940422163
SNP_P1_157081_41239084	NC_021166.1	Ca_kabuli_chr07	41239084	TT	CC	1940422164
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SNP_P1_157083_41239244	NC_021166.1	Ca_kabuli_chr07	41239244	AA	GG	1940422166
SNP_P1_157084_41239248	NC_021166.1	Ca_kabuli_chr07	41239248	TT	CC	1940422167
SNP_P1_157085_41239292	NC_021166.1	Ca_kabuli_chr07	41239292	AA	GG	1940422168
SNP_P1_157086_41239315	NC_021166.1	Ca_kabuli_chr07	41239315	TT	AA	1940422169

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157090_41240585	NC_021166.1	Ca_kabuli_chr07	41240585	CC	AA	1940422173
SNP_P1_157091_41240993	NC_021166.1	Ca_kabuli_chr07	41240993	CC	TT	1940422174
SNP_P1_157092_41241020	NC_021166.1	Ca_kabuli_chr07	41241020	GG	TT	1940422175
SNP_P1_157093_41241021	NC_021166.1	Ca_kabuli_chr07	41241021	TT	GG	1940422176
SNP_P1_157094_41241032	NC_021166.1	Ca_kabuli_chr07	41241032	GG	AA	1940422177
SNP_P1_157095_41241233	NC_021166.1	Ca_kabuli_chr07	41241233	AA	CC	1940422178
SNP_P1_157096_41241239	NC_021166.1	Ca_kabuli_chr07	41241239	TT	GG	1940422179
SNP_P1_157097_41241255	NC_021166.1	Ca_kabuli_chr07	41241255	AA	GG	1940422180
SNP_P1_157098_41241260	NC_021166.1	Ca_kabuli_chr07	41241260	AA	CC	1940422181
SNP_P1_157099_41241310	NC_021166.1	Ca_kabuli_chr07	41241310	AA	TT	1940422182
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SNP_P1_157102_41248917	NC_021166.1	Ca_kabuli_chr07	41248917	AA	GG	1940422184
SNP_P1_157103_41250580	NC_021166.1	Ca_kabuli_chr07	41250580	GG	AA	1940422185
SNP_P1_157104_41250602	NC_021166.1	Ca_kabuli_chr07	41250602	TT	GG	1940422186
SNP_P1_157105_41250653	NC_021166.1	Ca_kabuli_chr07	41250653	AA	GG	1940422187
SNP_P1_157106_41250667	NC_021166.1	Ca_kabuli_chr07	41250667	CC	TT	1940422188
SNP_P1_157108_41250721	NC_021166.1	Ca_kabuli_chr07	41250721	GG	TT	1940422189
SNP_P1_157109_41250738	NC_021166.1	Ca_kabuli_chr07	41250738	AA	TT	1940422190
SNP_P1_157110_41250827	NC_021166.1	Ca_kabuli_chr07	41250827	GG	AA	1940422191
SNP_P1_157111_41250850	NC_021166.1	Ca_kabuli_chr07	41250850	AA	TT	1940422192
SNP_P1_157112_41250852	NC_021166.1	Ca_kabuli_chr07	41250852	TT	AA	1940422193
SNP_P1_157113_41250856	NC_021166.1	Ca_kabuli_chr07	41250856	AA	CC	1940422194
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SNP_P1_157118_41251003	NC_021166.1	Ca_kabuli_chr07	41251003	GG	TT	1940422198
SNP_P1_157119_41251009	NC_021166.1	Ca_kabuli_chr07	41251009	CC	GG	1940422199
SNP_P1_157120_41251026	NC_021166.1	Ca_kabuli_chr07	41251026	GG	AA	1940422200
SNP_P1_157121_41251044	NC_021166.1	Ca_kabuli_chr07	41251044	AA	TT	1940422201
SNP_P1_157122_41251119	NC_021166.1	Ca_kabuli_chr07	41251119	GG	AA	1940422202
SNP_P1_157123_41251125	NC_021166.1	Ca_kabuli_chr07	41251125	TT	AA	1940422204
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SNP_P1_157125_41251146	NC_021166.1	Ca_kabuli_chr07	41251146	GG	AA	1940422206
SNP_P1_157126_41251151	NC_021166.1	Ca_kabuli_chr07	41251151	CC	GG	1940422207
SNP_P1_157127_41251166	NC_021166.1	Ca_kabuli_chr07	41251166	CC	AA	1940422208
SNP_P1_157128_41251168	NC_021166.1	Ca_kabuli_chr07	41251168	AA	TT	1940422209
SNP_P1_157129_41251237	NC_021166.1	Ca_kabuli_chr07	41251237	AA	TT	1940422210
SNP_P1_157130_41251242	NC_021166.1	Ca_kabuli_chr07	41251242	CC	TT	1940422211
SNP_P1_157132_41251296	NC_021166.1	Ca_kabuli_chr07	41251296	CC	AA	1940422212

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157134_41251325	NC_021166.1	Ca_kabuli_chr07	41251325	AA	GG	1940422214
SNP_P1_157135_41251349	NC_021166.1	Ca_kabuli_chr07	41251349	CC	AA	1940422215
SNP_P1_157136_41251402	NC_021166.1	Ca_kabuli_chr07	41251402	TT	CC	1940422216
SNP_P1_157137_41251406	NC_021166.1	Ca_kabuli_chr07	41251406	TT	GG	1940422217
SNP_P1_157138_41251418	NC_021166.1	Ca_kabuli_chr07	41251418	CC	GG	1940422218
SNP_P1_157139_41251471	NC_021166.1	Ca_kabuli_chr07	41251471	AA	TT	1940422219
SNP_P1_157140_41251476	NC_021166.1	Ca_kabuli_chr07	41251476	CC	TT	1940422220
SNP_P1_157141_41251594	NC_021166.1	Ca_kabuli_chr07	41251594	AA	GG	1940422221
SNP_P1_157142_41251673	NC_021166.1	Ca_kabuli_chr07	41251673	AA	GG	1940422222
SNP_P1_157143_41251684	NC_021166.1	Ca_kabuli_chr07	41251684	GG	AA	1940422223
SNP_P1_157144_41251756	NC_021166.1	Ca_kabuli_chr07	41251756	CC	TT	1940422224
SNP_P1_157145_41251801	NC_021166.1	Ca_kabuli_chr07	41251801	GG	TT	1940422225
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SNP_P1_157147_41251889	NC_021166.1	Ca_kabuli_chr07	41251889	TT	CC	1940422227
SNP_P1_157148_41251938	NC_021166.1	Ca_kabuli_chr07	41251938	GG	AA	1940422228
SNP_P1_157149_41251987	NC_021166.1	Ca_kabuli_chr07	41251987	CC	TT	1940422229
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SNP_P1_157157_41252210	NC_021166.1	Ca_kabuli_chr07	41252210	TT	CC	1940422237
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SNP_P1_157170_41282683	NC_021166.1	Ca_kabuli_chr07	41282683	TT	GG	1940422248
SNP_P1_157171_41282709	NC_021166.1	Ca_kabuli_chr07	41282709	TT	CC	1940422249
SNP_P1_157172_41282755	NC_021166.1	Ca_kabuli_chr07	41282755	GG	AA	1940422250
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SNP_P1_157174_41282937	NC_021166.1	Ca_kabuli_chr07	41282937	TT	GG	1940422252
SNP_P1_157175_41282942	NC_021166.1	Ca_kabuli_chr07	41282942	TT	CC	1940422253
SNP_P1_157176_41283405	NC_021166.1	Ca_kabuli_chr07	41283405	TT	CC	1940422254

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157180_41284434	NC_021166.1	Ca_kabuli_chr07	41284434	TT	AA	1940422257
SNP_P1_157181_41308541	NC_021166.1	Ca_kabuli_chr07	41308541	CC	AA	1940422258
SNP_P1_157182_41309428	NC_021166.1	Ca_kabuli_chr07	41309428	GG	AA	1940422259
SNP_P1_157183_41309461	NC_021166.1	Ca_kabuli_chr07	41309461	TT	CC	1940422260
SNP_P1_157184_41309798	NC_021166.1	Ca_kabuli_chr07	41309798	AA	GG	1940422261
SNP_P1_157185_41315077	NC_021166.1	Ca_kabuli_chr07	41315077	CC	AA	1940422262
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SNP_P1_157187_41315705	NC_021166.1	Ca_kabuli_chr07	41315705	TT	AA	1940422264
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SNP_P1_157191_41322978	NC_021166.1	Ca_kabuli_chr07	41322978	AA	TT	1940422268
SNP_P1_157192_41322985	NC_021166.1	Ca_kabuli_chr07	41322985	GG	AA	1940422269
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SNP_P1_157199_41325602	NC_021166.1	Ca_kabuli_chr07	41325602	GG	AA	1940422276
SNP_P1_157200_41325782	NC_021166.1	Ca_kabuli_chr07	41325782	CC	GG	1940422277
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SNP_P1_157207_41358886	NC_021166.1	Ca_kabuli_chr07	41358886	CC	TT	1940422284
SNP_P1_157208_41371831	NC_021166.1	Ca_kabuli_chr07	41371831	CC	TT	1940422285
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SNP_P1_157211_41388369	NC_021166.1	Ca_kabuli_chr07	41388369	TT	AA	1940422288
SNP_P1_157213_41411009	NC_021166.1	Ca_kabuli_chr07	41411009	CC	TT	1940422289
SNP_P1_157214_41411210	NC_021166.1	Ca_kabuli_chr07	41411210	CC	TT	1940422290
SNP_P1_157215_41411255	NC_021166.1	Ca_kabuli_chr07	41411255	AA	GG	1940422291
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SNP_P1_157218_41427963	NC_021166.1	Ca_kabuli_chr07	41427963	AA	GG	1940422294
SNP_P1_157219_41428121	NC_021166.1	Ca_kabuli_chr07	41428121	TT	CC	1940422295
SNP_P1_157220_41428146	NC_021166.1	Ca_kabuli_chr07	41428146	GG	TT	1940422296

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157224_41428801	NC_021166.1	Ca_kabuli_chr07	41428801	AA	GG	1940422299
SNP_P1_157226_41441073	NC_021166.1	Ca_kabuli_chr07	41441073	GG	AA	1940422300
SNP_P1_157227_41464346	NC_021166.1	Ca_kabuli_chr07	41464346	TT	GG	1940422301
SNP_P1_157228_41464352	NC_021166.1	Ca_kabuli_chr07	41464352	TT	AA	1940422302
SNP_P1_157230_41464365	NC_021166.1	Ca_kabuli_chr07	41464365	TT	GG	1940422303
SNP_P1_157232_41498123	NC_021166.1	Ca_kabuli_chr07	41498123	CC	AA	1940422304
SNP_P1_157233_41498163	NC_021166.1	Ca_kabuli_chr07	41498163	CC	AA	1940422305
SNP_P1_157234_41498663	NC_021166.1	Ca_kabuli_chr07	41498663	TT	GG	1940422306
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SNP_P1_157239_41524137	NC_021166.1	Ca_kabuli_chr07	41524137	TT	CC	1940422311
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SNP_P1_157260_41614989	NC_021166.1	Ca_kabuli_chr07	41614989	AA	CC	1940422328
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SNP_P1_157271_41725017	NC_021166.1	Ca_kabuli_chr07	41725017	GG	TT	1940422338

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157277_41735840	NC_021166.1	Ca_kabuli_chr07	41735840	AA	CC	1940422343
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SNP_P1_157293_41888329	NC_021166.1	Ca_kabuli_chr07	41888329	AA	GG	1940422360
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SNP_P1_157297_41928444	NC_021166.1	Ca_kabuli_chr07	41928444	GG	TT	1940422364
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SNP_P1_157299_41945392	NC_021166.1	Ca_kabuli_chr07	41945392	AA	GG	1940422366
SNP_P1_157300_41945412	NC_021166.1	Ca_kabuli_chr07	41945412	AA	GG	1940422367
SNP_P1_157301_41948621	NC_021166.1	Ca_kabuli_chr07	41948621	AA	GG	1940422368
SNP_P1_157302_41954396	NC_021166.1	Ca_kabuli_chr07	41954396	TT	CC	1940422369
SNP_P1_157303_41955249	NC_021166.1	Ca_kabuli_chr07	41955249	TT	CC	1940422370
SNP_P1_157304_41958237	NC_021166.1	Ca_kabuli_chr07	41958237	TT	GG	1940422371
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SNP_P1_157306_41985046	NC_021166.1	Ca_kabuli_chr07	41985046	AA	CC	1940422373
SNP_P1_157307_41986829	NC_021166.1	Ca_kabuli_chr07	41986829	CC	AA	1940422374
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SNP_P1_157311_42007388	NC_021166.1	Ca_kabuli_chr07	42007388	TT	CC	1940422378
SNP_P1_157312_42054966	NC_021166.1	Ca_kabuli_chr07	42054966	AA	GG	1940422379
SNP_P1_157313_42066790	NC_021166.1	Ca_kabuli_chr07	42066790	CC	TT	1940422380
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157317_42091199	NC_021166.1	Ca_kabuli_chr07	42091199	TT	CC	1940422383
SNP_P1_157318_42091202	NC_021166.1	Ca_kabuli_chr07	42091202	TT	CC	1940422384
SNP_P1_157319_42092603	NC_021166.1	Ca_kabuli_chr07	42092603	CC	AA	1940422385
SNP_P1_157320_42092632	NC_021166.1	Ca_kabuli_chr07	42092632	AA	GG	1940422386
SNP_P1_157321_42092652	NC_021166.1	Ca_kabuli_chr07	42092652	GG	CC	1940422387
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SNP_P1_157323_42092701	NC_021166.1	Ca_kabuli_chr07	42092701	AA	GG	1940422389
SNP_P1_157324_42092708	NC_021166.1	Ca_kabuli_chr07	42092708	CC	TT	1940422390
SNP_P1_157325_42092733	NC_021166.1	Ca_kabuli_chr07	42092733	AA	CC	1940422391
SNP_P1_157326_42093029	NC_021166.1	Ca_kabuli_chr07	42093029	CC	GG	1940422392
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SNP_P1_157332_42132082	NC_021166.1	Ca_kabuli_chr07	42132082	CC	TT	1940422397
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SNP_P1_157350_42328504	NC_021166.1	Ca_kabuli_chr07	42328504	GG	AA	1940422414
SNP_P1_157351_42342207	NC_021166.1	Ca_kabuli_chr07	42342207	GG	AA	1940422415
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SNP_P1_157355_42345657	NC_021166.1	Ca_kabuli_chr07	42345657	GG	AA	1940422419
SNP_P1_157356_42350150	NC_021166.1	Ca_kabuli_chr07	42350150	TT	CC	1940422420
SNP_P1_157357_42350995	NC_021166.1	Ca_kabuli_chr07	42350995	AA	TT	1940422421
SNP_P1_157358_42352144	NC_021166.1	Ca_kabuli_chr07	42352144	CC	GG	1940422422
SNP_P1_157359_42352201	NC_021166.1	Ca_kabuli_chr07	42352201	AA	CC	1940422423

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157362_42356374	NC_021166.1	Ca_kabuli_chr07	42356374	AA	GG	1940422426
SNP_P1_157363_42356413	NC_021166.1	Ca_kabuli_chr07	42356413	GG	CC	1940422427
SNP_P1_157364_42356427	NC_021166.1	Ca_kabuli_chr07	42356427	GG	TT	1940422428
SNP_P1_157365_42356705	NC_021166.1	Ca_kabuli_chr07	42356705	GG	CC	1940422429
SNP_P1_157366_42356743	NC_021166.1	Ca_kabuli_chr07	42356743	TT	CC	1940422430
SNP_P1_157367_42356758	NC_021166.1	Ca_kabuli_chr07	42356758	CC	TT	1940422431
SNP_P1_157368_42357046	NC_021166.1	Ca_kabuli_chr07	42357046	AA	GG	1940422432
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SNP_P1_157372_42358220	NC_021166.1	Ca_kabuli_chr07	42358220	GG	TT	1940422436
SNP_P1_157373_42358280	NC_021166.1	Ca_kabuli_chr07	42358280	AA	GG	1940422437
SNP_P1_157375_42358469	NC_021166.1	Ca_kabuli_chr07	42358469	CC	TT	1940422438
SNP_P1_157376_42358593	NC_021166.1	Ca_kabuli_chr07	42358593	GG	AA	1940422439
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SNP_P1_157384_42384635	NC_021166.1	Ca_kabuli_chr07	42384635	TT	AA	1940422445
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SNP_P1_157393_42393046	NC_021166.1	Ca_kabuli_chr07	42393046	AA	TT	1940422454
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SNP_P1_157397_42393069	NC_021166.1	Ca_kabuli_chr07	42393069	TT	AA	1940422457
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SNP_P1_157400_42393133	NC_021166.1	Ca_kabuli_chr07	42393133	GG	AA	1940422460
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SNP_P1_157402_42393186	NC_021166.1	Ca_kabuli_chr07	42393186	GG	CC	1940422462
SNP_P1_157403_42393193	NC_021166.1	Ca_kabuli_chr07	42393193	AA	GG	1940422463
SNP_P1_157404_42395208	NC_021166.1	Ca_kabuli_chr07	42395208	TT	CC	1940422464
SNP_P1_157405_42396536	NC_021166.1	Ca_kabuli_chr07	42396536	CC	TT	1940422465

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157408_42396787	NC_021166.1	Ca_kabuli_chr07	42396787	TT	AA	1940422468
SNP_P1_157409_42396852	NC_021166.1	Ca_kabuli_chr07	42396852	AA	CC	1940422469
SNP_P1_157410_42396874	NC_021166.1	Ca_kabuli_chr07	42396874	CC	AA	1940422470
SNP_P1_157411_42396880	NC_021166.1	Ca_kabuli_chr07	42396880	TT	CC	1940422471
SNP_P1_157412_42396882	NC_021166.1	Ca_kabuli_chr07	42396882	GG	TT	1940422472
SNP_P1_157413_42396913	NC_021166.1	Ca_kabuli_chr07	42396913	GG	AA	1940422473
SNP_P1_157414_42396945	NC_021166.1	Ca_kabuli_chr07	42396945	TT	GG	1940422474
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SNP_P1_157417_42397006	NC_021166.1	Ca_kabuli_chr07	42397006	AA	TT	1940422477
SNP_P1_157418_42397094	NC_021166.1	Ca_kabuli_chr07	42397094	AA	TT	1940422478
SNP_P1_157419_42397108	NC_021166.1	Ca_kabuli_chr07	42397108	TT	CC	1940422479
SNP_P1_157420_42397136	NC_021166.1	Ca_kabuli_chr07	42397136	AA	GG	1940422480
SNP_P1_157421_42397513	NC_021166.1	Ca_kabuli_chr07	42397513	AA	GG	1940422481
SNP_P1_157422_42397686	NC_021166.1	Ca_kabuli_chr07	42397686	CC	TT	1940422482
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SNP_P1_157445_42414904	NC_021166.1	Ca_kabuli_chr07	42414904	CC	AA	1940422505
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157451_42458449	NC_021166.1	Ca_kabuli_chr07	42458449	TT	CC	1940422512
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SNP_P1_157468_42472712	NC_021166.1	Ca_kabuli_chr07	42472712	AA	TT	1940422528
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SNP_P1_157470_42472715	NC_021166.1	Ca_kabuli_chr07	42472715	CC	TT	1940422530
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SNP_P1_157479_42473191	NC_021166.1	Ca_kabuli_chr07	42473191	TT	GG	1940422538
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SNP_P1_157481_42473442	NC_021166.1	Ca_kabuli_chr07	42473442	TT	CC	1940422540
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SNP_P1_157483_42473536	NC_021166.1	Ca_kabuli_chr07	42473536	TT	CC	1940422542
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SNP_P1_157485_42473602	NC_021166.1	Ca_kabuli_chr07	42473602	CC	GG	1940422544
SNP_P1_157486_42473776	NC_021166.1	Ca_kabuli_chr07	42473776	TT	CC	1940422545
SNP_P1_157487_42473864	NC_021166.1	Ca_kabuli_chr07	42473864	CC	TT	1940422546
SNP_P1_157488_42473865	NC_021166.1	Ca_kabuli_chr07	42473865	AA	GG	1940422547
SNP_P1_157489_42474661	NC_021166.1	Ca_kabuli_chr07	42474661	GG	CC	1940422548
SNP_P1_157490_42474701	NC_021166.1	Ca_kabuli_chr07	42474701	CC	TT	1940422549
SNP_P1_157491_42474939	NC_021166.1	Ca_kabuli_chr07	42474939	TT	AA	1940422550

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157493_42474960	NC_021166.1	Ca_kabuli_chr07	42474960	AA	TT	1940422552
SNP_P1_157494_42475009	NC_021166.1	Ca_kabuli_chr07	42475009	AA	TT	1940422553
SNP_P1_157495_42475018	NC_021166.1	Ca_kabuli_chr07	42475018	TT	AA	1940422554
SNP_P1_157496_42475246	NC_021166.1	Ca_kabuli_chr07	42475246	TT	CC	1940422555
SNP_P1_157497_42475278	NC_021166.1	Ca_kabuli_chr07	42475278	TT	CC	1940422556
SNP_P1_157498_42475390	NC_021166.1	Ca_kabuli_chr07	42475390	TT	AA	1940422557
SNP_P1_157499_42475537	NC_021166.1	Ca_kabuli_chr07	42475537	CC	TT	1940422558
SNP_P1_157500_42475571	NC_021166.1	Ca_kabuli_chr07	42475571	CC	GG	1940422559
SNP_P1_157501_42475693	NC_021166.1	Ca_kabuli_chr07	42475693	AA	GG	1940422560
SNP_P1_157502_42475738	NC_021166.1	Ca_kabuli_chr07	42475738	GG	TT	1940422561
SNP_P1_157503_42475747	NC_021166.1	Ca_kabuli_chr07	42475747	TT	CC	1940422562
SNP_P1_157504_42475750	NC_021166.1	Ca_kabuli_chr07	42475750	TT	GG	1940422563
SNP_P1_157505_42475773	NC_021166.1	Ca_kabuli_chr07	42475773	TT	AA	1940422564
SNP_P1_157506_42475776	NC_021166.1	Ca_kabuli_chr07	42475776	CC	GG	1940422565
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SNP_P1_157508_42475831	NC_021166.1	Ca_kabuli_chr07	42475831	GG	AA	1940422567
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SNP_P1_157510_42475863	NC_021166.1	Ca_kabuli_chr07	42475863	CC	AA	1940422569
SNP_P1_157511_42475889	NC_021166.1	Ca_kabuli_chr07	42475889	CC	AA	1940422570
SNP_P1_157512_42475891	NC_021166.1	Ca_kabuli_chr07	42475891	AA	GG	1940422571
SNP_P1_157513_42475894	NC_021166.1	Ca_kabuli_chr07	42475894	TT	AA	1940422572
SNP_P1_157514_42475934	NC_021166.1	Ca_kabuli_chr07	42475934	CC	GG	1940422573
SNP_P1_157515_42475975	NC_021166.1	Ca_kabuli_chr07	42475975	CC	GG	1940422574
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SNP_P1_157519_42476155	NC_021166.1	Ca_kabuli_chr07	42476155	GG	TT	1940422578
SNP_P1_157520_42476198	NC_021166.1	Ca_kabuli_chr07	42476198	CC	TT	1940422579
SNP_P1_157521_42476201	NC_021166.1	Ca_kabuli_chr07	42476201	GG	AA	1940422580
SNP_P1_157522_42476217	NC_021166.1	Ca_kabuli_chr07	42476217	CC	TT	1940422581
SNP_P1_157523_42476252	NC_021166.1	Ca_kabuli_chr07	42476252	GG	CC	1940422582
SNP_P1_157524_42476319	NC_021166.1	Ca_kabuli_chr07	42476319	TT	AA	1940422583
SNP_P1_157525_42476354	NC_021166.1	Ca_kabuli_chr07	42476354	CC	AA	1940422584
SNP_P1_157526_42476381	NC_021166.1	Ca_kabuli_chr07	42476381	AA	GG	1940422585
SNP_P1_157527_42476407	NC_021166.1	Ca_kabuli_chr07	42476407	AA	GG	1940422586
SNP_P1_157528_42480813	NC_021166.1	Ca_kabuli_chr07	42480813	CC	TT	1940422587
SNP_P1_157530_42497070	NC_021166.1	Ca_kabuli_chr07	42497070	GG	AA	1940422588
SNP_P1_157531_42497411	NC_021166.1	Ca_kabuli_chr07	42497411	CC	AA	1940422589
SNP_P1_157532_42497703	NC_021166.1	Ca_kabuli_chr07	42497703	GG	AA	1940422590
SNP_P1_157533_42497723	NC_021166.1	Ca_kabuli_chr07	42497723	GG	AA	1940422591
SNP_P1_157534_42498554	NC_021166.1	Ca_kabuli_chr07	42498554	TT	CC	1940422592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157536_42507298	NC_021166.1	Ca_kabuli_chr07	42507298	TT	CC	1940422594
SNP_P1_157537_42507316	NC_021166.1	Ca_kabuli_chr07	42507316	TT	AA	1940422595
SNP_P1_157538_42514540	NC_021166.1	Ca_kabuli_chr07	42514540	GG	AA	1940422596
SNP_P1_157539_42515992	NC_021166.1	Ca_kabuli_chr07	42515992	CC	TT	1940422597
SNP_P1_157540_42521591	NC_021166.1	Ca_kabuli_chr07	42521591	TT	CC	1940422598
SNP_P1_157541_42529104	NC_021166.1	Ca_kabuli_chr07	42529104	GG	AA	1940422599
SNP_P1_157542_42529134	NC_021166.1	Ca_kabuli_chr07	42529134	TT	AA	1940422600
SNP_P1_157544_42535043	NC_021166.1	Ca_kabuli_chr07	42535043	AA	TT	1940422601
SNP_P1_157545_42541186	NC_021166.1	Ca_kabuli_chr07	42541186	AA	GG	1940422602
SNP_P1_157546_42541209	NC_021166.1	Ca_kabuli_chr07	42541209	AA	GG	1940422603
SNP_P1_157547_42541224	NC_021166.1	Ca_kabuli_chr07	42541224	GG	CC	1940422604
SNP_P1_157548_42541240	NC_021166.1	Ca_kabuli_chr07	42541240	TT	CC	1940422605
SNP_P1_157549_42541256	NC_021166.1	Ca_kabuli_chr07	42541256	CC	TT	1940422606
SNP_P1_157550_42541282	NC_021166.1	Ca_kabuli_chr07	42541282	TT	AA	1940422607
SNP_P1_157551_42541290	NC_021166.1	Ca_kabuli_chr07	42541290	TT	AA	1940422608
SNP_P1_157552_42541323	NC_021166.1	Ca_kabuli_chr07	42541323	AA	GG	1940422609
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SNP_P1_157554_42541333	NC_021166.1	Ca_kabuli_chr07	42541333	TT	GG	1940422611
SNP_P1_157555_42541372	NC_021166.1	Ca_kabuli_chr07	42541372	AA	GG	1940422612
SNP_P1_157556_42557892	NC_021166.1	Ca_kabuli_chr07	42557892	AA	CC	1940422613
SNP_P1_157557_42557903	NC_021166.1	Ca_kabuli_chr07	42557903	TT	GG	1940422614
SNP_P1_157558_42558104	NC_021166.1	Ca_kabuli_chr07	42558104	AA	TT	1940422615
SNP_P1_157559_42558144	NC_021166.1	Ca_kabuli_chr07	42558144	TT	GG	1940422616
SNP_P1_157560_42558164	NC_021166.1	Ca_kabuli_chr07	42558164	CC	TT	1940422617
SNP_P1_157561_42568322	NC_021166.1	Ca_kabuli_chr07	42568322	GG	TT	1940422618
SNP_P1_157563_42573247	NC_021166.1	Ca_kabuli_chr07	42573247	AA	TT	1940422619
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SNP_P1_157565_42580247	NC_021166.1	Ca_kabuli_chr07	42580247	GG	TT	1940422621
SNP_P1_157566_42580250	NC_021166.1	Ca_kabuli_chr07	42580250	CC	TT	1940422622
SNP_P1_157568_42582733	NC_021166.1	Ca_kabuli_chr07	42582733	AA	TT	1940422623
SNP_P1_157569_42582737	NC_021166.1	Ca_kabuli_chr07	42582737	GG	AA	1940422624
SNP_P1_157570_42582897	NC_021166.1	Ca_kabuli_chr07	42582897	GG	AA	1940422625
SNP_P1_157571_42583234	NC_021166.1	Ca_kabuli_chr07	42583234	CC	TT	1940422626
SNP_P1_157572_42583237	NC_021166.1	Ca_kabuli_chr07	42583237	GG	CC	1940422627
SNP_P1_157573_42583319	NC_021166.1	Ca_kabuli_chr07	42583319	CC	TT	1940422628
SNP_P1_157574_42583322	NC_021166.1	Ca_kabuli_chr07	42583322	AA	TT	1940422629
SNP_P1_157575_42589438	NC_021166.1	Ca_kabuli_chr07	42589438	GG	AA	1940422630
SNP_P1_157576_42589454	NC_021166.1	Ca_kabuli_chr07	42589454	GG	TT	1940422631
SNP_P1_157577_42589474	NC_021166.1	Ca_kabuli_chr07	42589474	CC	TT	1940422632
SNP_P1_157578_42589497	NC_021166.1	Ca_kabuli_chr07	42589497	GG	AA	1940422633
SNP_P1_157579_42602958	NC_021166.1	Ca_kabuli_chr07	42602958	CC	TT	1940422634

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157582_42618623	NC_021166.1	Ca_kabuli_chr07	42618623	AA	GG	1940422636
SNP_P1_157584_42659920	NC_021166.1	Ca_kabuli_chr07	42659920	AA	CC	1940422637
SNP_P1_157585_42691213	NC_021166.1	Ca_kabuli_chr07	42691213	TT	CC	1940422638
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SNP_P1_157588_42716257	NC_021166.1	Ca_kabuli_chr07	42716257	GG	CC	1940422640
SNP_P1_157589_42719038	NC_021166.1	Ca_kabuli_chr07	42719038	GG	AA	1940422641
SNP_P1_157591_42730865	NC_021166.1	Ca_kabuli_chr07	42730865	CC	TT	1940422642
SNP_P1_157593_42738622	NC_021166.1	Ca_kabuli_chr07	42738622	CC	AA	1940422643
SNP_P1_157594_42738842	NC_021166.1	Ca_kabuli_chr07	42738842	CC	AA	1940422644
SNP_P1_157595_42738880	NC_021166.1	Ca_kabuli_chr07	42738880	TT	GG	1940422645
SNP_P1_157596_42738884	NC_021166.1	Ca_kabuli_chr07	42738884	AA	CC	1940422646
SNP_P1_157597_42739035	NC_021166.1	Ca_kabuli_chr07	42739035	CC	AA	1940422647
SNP_P1_157598_42742784	NC_021166.1	Ca_kabuli_chr07	42742784	CC	TT	1940422648
SNP_P1_157599_42742787	NC_021166.1	Ca_kabuli_chr07	42742787	TT	CC	1940422649
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SNP_P1_157614_42765859	NC_021166.1	Ca_kabuli_chr07	42765859	GG	TT	1940422664
SNP_P1_157615_42777860	NC_021166.1	Ca_kabuli_chr07	42777860	CC	GG	1940422665
SNP_P1_157616_42778468	NC_021166.1	Ca_kabuli_chr07	42778468	CC	TT	1940422666
SNP_P1_157617_42778588	NC_021166.1	Ca_kabuli_chr07	42778588	AA	CC	1940422667
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SNP_P1_157619_42778643	NC_021166.1	Ca_kabuli_chr07	42778643	CC	AA	1940422669
SNP_P1_157620_42778663	NC_021166.1	Ca_kabuli_chr07	42778663	GG	TT	1940422670
SNP_P1_157621_42778677	NC_021166.1	Ca_kabuli_chr07	42778677	GG	AA	1940422671
SNP_P1_157622_42779214	NC_021166.1	Ca_kabuli_chr07	42779214	TT	GG	1940422672
SNP_P1_157623_42779249	NC_021166.1	Ca_kabuli_chr07	42779249	CC	TT	1940422673
SNP_P1_157624_42779287	NC_021166.1	Ca_kabuli_chr07	42779287	TT	AA	1940422674
SNP_P1_157625_42781453	NC_021166.1	Ca_kabuli_chr07	42781453	TT	CC	1940422675
SNP_P1_157627_42819726	NC_021166.1	Ca_kabuli_chr07	42819726	GG	AA	1940422676
SNP_P1_157628_42827002	NC_021166.1	Ca_kabuli_chr07	42827002	CC	TT	1940422677

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157631_42832417	NC_021166.1	Ca_kabuli_chr07	42832417	CC	TT	1940422680
SNP_P1_157632_42832433	NC_021166.1	Ca_kabuli_chr07	42832433	CC	TT	1940422681
SNP_P1_157633_42832435	NC_021166.1	Ca_kabuli_chr07	42832435	TT	GG	1940422682
SNP_P1_157634_42832449	NC_021166.1	Ca_kabuli_chr07	42832449	GG	AA	1940422683
SNP_P1_157635_42832481	NC_021166.1	Ca_kabuli_chr07	42832481	GG	TT	1940422684
SNP_P1_157636_42832505	NC_021166.1	Ca_kabuli_chr07	42832505	AA	TT	1940422685
SNP_P1_157637_42832509	NC_021166.1	Ca_kabuli_chr07	42832509	AA	GG	1940422686
SNP_P1_157638_42832865	NC_021166.1	Ca_kabuli_chr07	42832865	AA	CC	1940422687
SNP_P1_157639_42832868	NC_021166.1	Ca_kabuli_chr07	42832868	TT	CC	1940422688
SNP_P1_157640_42832933	NC_021166.1	Ca_kabuli_chr07	42832933	CC	TT	1940422689
SNP_P1_157641_42833041	NC_021166.1	Ca_kabuli_chr07	42833041	CC	TT	1940422690
SNP_P1_157642_42833078	NC_021166.1	Ca_kabuli_chr07	42833078	CC	TT	1940422691
SNP_P1_157643_42833080	NC_021166.1	Ca_kabuli_chr07	42833080	TT	GG	1940422692
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SNP_P1_157648_42848312	NC_021166.1	Ca_kabuli_chr07	42848312	TT	GG	1940422696
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SNP_P1_157651_42848536	NC_021166.1	Ca_kabuli_chr07	42848536	AA	TT	1940422699
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SNP_P1_157653_42848685	NC_021166.1	Ca_kabuli_chr07	42848685	TT	CC	1940422701
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SNP_P1_157658_42866853	NC_021166.1	Ca_kabuli_chr07	42866853	CC	TT	1940422705
SNP_P1_157659_42869738	NC_021166.1	Ca_kabuli_chr07	42869738	TT	CC	1940422706
SNP_P1_157660_42870333	NC_021166.1	Ca_kabuli_chr07	42870333	AA	TT	1940422707
SNP_P1_157661_42918632	NC_021166.1	Ca_kabuli_chr07	42918632	AA	GG	1940422708
SNP_P1_157662_42918639	NC_021166.1	Ca_kabuli_chr07	42918639	CC	TT	1940422709
SNP_P1_157663_42919224	NC_021166.1	Ca_kabuli_chr07	42919224	GG	AA	1940422710
SNP_P1_157665_42921132	NC_021166.1	Ca_kabuli_chr07	42921132	TT	CC	1940422711
SNP_P1_157666_42922965	NC_021166.1	Ca_kabuli_chr07	42922965	GG	TT	1940422712
SNP_P1_157667_42923036	NC_021166.1	Ca_kabuli_chr07	42923036	CC	TT	1940422713
SNP_P1_157668_42926459	NC_021166.1	Ca_kabuli_chr07	42926459	AA	TT	1940422714
SNP_P1_157669_42927213	NC_021166.1	Ca_kabuli_chr07	42927213	GG	AA	1940422715
SNP_P1_157670_42931056	NC_021166.1	Ca_kabuli_chr07	42931056	AA	TT	1940422716
SNP_P1_157672_42931473	NC_021166.1	Ca_kabuli_chr07	42931473	TT	CC	1940422717
SNP_P1_157674_42937115	NC_021166.1	Ca_kabuli_chr07	42937115	AA	CC	1940422718
SNP_P1_157676_42993795	NC_021166.1	Ca_kabuli_chr07	42993795	AA	GG	1940422719

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157680_43012139	NC_021166.1	Ca_kabuli_chr07	43012139	AA	TT	1940422722
SNP_P1_157681_43015969	NC_021166.1	Ca_kabuli_chr07	43015969	TT	CC	1940422723
SNP_P1_157682_43016008	NC_021166.1	Ca_kabuli_chr07	43016008	AA	GG	1940422724
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157726_43232297	NC_021166.1	Ca_kabuli_chr07	43232297	AA	GG	1940422764
SNP_P1_157728_43262230	NC_021166.1	Ca_kabuli_chr07	43262230	GG	CC	1940422765
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SNP_P1_157760_43375617	NC_021166.1	Ca_kabuli_chr07	43375617	GG	AA	1940422796
SNP_P1_157761_43375635	NC_021166.1	Ca_kabuli_chr07	43375635	CC	TT	1940422797
SNP_P1_157762_43376308	NC_021166.1	Ca_kabuli_chr07	43376308	GG	AA	1940422798
SNP_P1_157763_43383016	NC_021166.1	Ca_kabuli_chr07	43383016	TT	CC	1940422799
SNP_P1_157764_43390869	NC_021166.1	Ca_kabuli_chr07	43390869	AA	GG	1940422800
SNP_P1_157765_43390884	NC_021166.1	Ca_kabuli_chr07	43390884	AA	GG	1940422801
SNP_P1_157766_43395364	NC_021166.1	Ca_kabuli_chr07	43395364	CC	TT	1940422802
SNP_P1_157767_43434625	NC_021166.1	Ca_kabuli_chr07	43434625	GG	AA	1940422803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157771_43435125	NC_021166.1	Ca_kabuli_chr07	43435125	GG	CC	1940422807
SNP_P1_157772_43435127	NC_021166.1	Ca_kabuli_chr07	43435127	AA	GG	1940422808
SNP_P1_157773_43435132	NC_021166.1	Ca_kabuli_chr07	43435132	AA	TT	1940422810
SNP_P1_157774_43435139	NC_021166.1	Ca_kabuli_chr07	43435139	AA	GG	1940422811
SNP_P1_157776_43448658	NC_021166.1	Ca_kabuli_chr07	43448658	GG	AA	1940422812
SNP_P1_157777_43449031	NC_021166.1	Ca_kabuli_chr07	43449031	CC	TT	1940422813
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SNP_P1_157779_43449090	NC_021166.1	Ca_kabuli_chr07	43449090	GG	AA	1940422815
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SNP_P1_157799_43531066	NC_021166.1	Ca_kabuli_chr07	43531066	CC	TT	1940422833
SNP_P1_157800_43531762	NC_021166.1	Ca_kabuli_chr07	43531762	CC	TT	1940422834
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SNP_P1_157815_43608008	NC_021166.1	Ca_kabuli_chr07	43608008	AA	TT	1940422843
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157823_43617907	NC_021166.1	Ca_kabuli_chr07	43617907	AA	GG	1940422850
SNP_P1_157824_43617940	NC_021166.1	Ca_kabuli_chr07	43617940	AA	GG	1940422851
SNP_P1_157825_43617953	NC_021166.1	Ca_kabuli_chr07	43617953	TT	GG	1940422852
SNP_P1_157827_43624415	NC_021166.1	Ca_kabuli_chr07	43624415	TT	CC	1940422853
SNP_P1_157828_43624766	NC_021166.1	Ca_kabuli_chr07	43624766	AA	GG	1940422854
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SNP_P1_157860_43703981	NC_021166.1	Ca_kabuli_chr07	43703981	AA	GG	1940422886
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SNP_P1_157862_43703991	NC_021166.1	Ca_kabuli_chr07	43703991	CC	TT	1940422888

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157870_43715793	NC_021166.1	Ca_kabuli_chr07	43715793	AA	TT	1940422895
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SNP_P1_157873_43737384	NC_021166.1	Ca_kabuli_chr07	43737384	GG	TT	1940422898
SNP_P1_157874_43737826	NC_021166.1	Ca_kabuli_chr07	43737826	GG	CC	1940422899
SNP_P1_157875_43738107	NC_021166.1	Ca_kabuli_chr07	43738107	AA	GG	1940422900
SNP_P1_157876_43748287	NC_021166.1	Ca_kabuli_chr07	43748287	GG	AA	1940422901
SNP_P1_157877_43771033	NC_021166.1	Ca_kabuli_chr07	43771033	AA	GG	1940422902
SNP_P1_157878_43772708	NC_021166.1	Ca_kabuli_chr07	43772708	GG	TT	1940422903
SNP_P1_157879_43773271	NC_021166.1	Ca_kabuli_chr07	43773271	AA	CC	1940422904
SNP_P1_157880_43777483	NC_021166.1	Ca_kabuli_chr07	43777483	CC	TT	1940422905
SNP_P1_157881_43777497	NC_021166.1	Ca_kabuli_chr07	43777497	TT	CC	1940422906
SNP_P1_157882_43777519	NC_021166.1	Ca_kabuli_chr07	43777519	AA	GG	1940422907
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SNP_P1_157884_43780659	NC_021166.1	Ca_kabuli_chr07	43780659	AA	GG	1940422909
SNP_P1_157885_43780871	NC_021166.1	Ca_kabuli_chr07	43780871	CC	TT	1940422910
SNP_P1_157886_43780902	NC_021166.1	Ca_kabuli_chr07	43780902	AA	GG	1940422911
SNP_P1_157887_43780934	NC_021166.1	Ca_kabuli_chr07	43780934	CC	TT	1940422912
SNP_P1_157888_43781653	NC_021166.1	Ca_kabuli_chr07	43781653	AA	GG	1940422913
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SNP_P1_157893_43786715	NC_021166.1	Ca_kabuli_chr07	43786715	AA	TT	1940422919
SNP_P1_157894_43786739	NC_021166.1	Ca_kabuli_chr07	43786739	CC	TT	1940422920
SNP_P1_157895_43786760	NC_021166.1	Ca_kabuli_chr07	43786760	AA	GG	1940422921
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SNP_P1_157897_43786910	NC_021166.1	Ca_kabuli_chr07	43786910	AA	GG	1940422923
SNP_P1_157898_43796756	NC_021166.1	Ca_kabuli_chr07	43796756	GG	TT	1940422924
SNP_P1_157899_43796773	NC_021166.1	Ca_kabuli_chr07	43796773	AA	GG	1940422925
SNP_P1_157901_43815472	NC_021166.1	Ca_kabuli_chr07	43815472	AA	CC	1940422926
SNP_P1_157902_43815501	NC_021166.1	Ca_kabuli_chr07	43815501	GG	AA	1940422927
SNP_P1_157903_43821726	NC_021166.1	Ca_kabuli_chr07	43821726	TT	CC	1940422928
SNP_P1_157904_43832790	NC_021166.1	Ca_kabuli_chr07	43832790	TT	CC	1940422929
SNP_P1_157905_43838576	NC_021166.1	Ca_kabuli_chr07	43838576	AA	TT	1940422930
SNP_P1_157906_43838643	NC_021166.1	Ca_kabuli_chr07	43838643	AA	GG	1940422931

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157909_43838759	NC_021166.1	Ca_kabuli_chr07	43838759	AA	GG	1940422934
SNP_P1_157911_43840672	NC_021166.1	Ca_kabuli_chr07	43840672	CC	AA	1940422935
SNP_P1_157912_43841175	NC_021166.1	Ca_kabuli_chr07	43841175	TT	CC	1940422936
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SNP_P1_157915_43864690	NC_021166.1	Ca_kabuli_chr07	43864690	GG	CC	1940422939
SNP_P1_157916_43878607	NC_021166.1	Ca_kabuli_chr07	43878607	GG	AA	1940422940
SNP_P1_157917_43879216	NC_021166.1	Ca_kabuli_chr07	43879216	CC	TT	1940422941
SNP_P1_157918_43880735	NC_021166.1	Ca_kabuli_chr07	43880735	TT	CC	1940422942
SNP_P1_157919_43883974	NC_021166.1	Ca_kabuli_chr07	43883974	AA	GG	1940422943
SNP_P1_157920_43896301	NC_021166.1	Ca_kabuli_chr07	43896301	AA	GG	1940422944
SNP_P1_157921_43922181	NC_021166.1	Ca_kabuli_chr07	43922181	CC	TT	1940422945
SNP_P1_157922_43952051	NC_021166.1	Ca_kabuli_chr07	43952051	TT	CC	1940422946
SNP_P1_157923_43965385	NC_021166.1	Ca_kabuli_chr07	43965385	CC	TT	1940422947
SNP_P1_157924_43966455	NC_021166.1	Ca_kabuli_chr07	43966455	TT	CC	1940422948
SNP_P1_157925_43969804	NC_021166.1	Ca_kabuli_chr07	43969804	GG	AA	1940422949
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SNP_P1_157929_43984668	NC_021166.1	Ca_kabuli_chr07	43984668	GG	AA	1940422952
SNP_P1_157930_43984834	NC_021166.1	Ca_kabuli_chr07	43984834	CC	GG	1940422953
SNP_P1_157931_43984849	NC_021166.1	Ca_kabuli_chr07	43984849	TT	AA	1940422954
SNP_P1_157932_43993428	NC_021166.1	Ca_kabuli_chr07	43993428	CC	TT	1940422955
SNP_P1_157933_43993554	NC_021166.1	Ca_kabuli_chr07	43993554	AA	GG	1940422956
SNP_P1_157934_43993877	NC_021166.1	Ca_kabuli_chr07	43993877	CC	GG	1940422957
SNP_P1_157935_43993895	NC_021166.1	Ca_kabuli_chr07	43993895	GG	TT	1940422958
SNP_P1_157936_43995297	NC_021166.1	Ca_kabuli_chr07	43995297	GG	AA	1940422959
SNP_P1_157937_43995319	NC_021166.1	Ca_kabuli_chr07	43995319	GG	CC	1940422960
SNP_P1_157938_43999497	NC_021166.1	Ca_kabuli_chr07	43999497	GG	AA	1940422961
SNP_P1_157939_43999556	NC_021166.1	Ca_kabuli_chr07	43999556	CC	TT	1940422962
SNP_P1_157940_43999572	NC_021166.1	Ca_kabuli_chr07	43999572	AA	GG	1940422963
SNP_P1_157941_43999631	NC_021166.1	Ca_kabuli_chr07	43999631	AA	GG	1940422964
SNP_P1_157942_43999915	NC_021166.1	Ca_kabuli_chr07	43999915	CC	TT	1940422965
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SNP_P1_157944_44001146	NC_021166.1	Ca_kabuli_chr07	44001146	CC	TT	1940422967
SNP_P1_157946_44001256	NC_021166.1	Ca_kabuli_chr07	44001256	CC	TT	1940422968
SNP_P1_157947_44001270	NC_021166.1	Ca_kabuli_chr07	44001270	GG	TT	1940422969
SNP_P1_157948_44001301	NC_021166.1	Ca_kabuli_chr07	44001301	TT	AA	1940422970
SNP_P1_157949_44001326	NC_021166.1	Ca_kabuli_chr07	44001326	TT	CC	1940422971
SNP_P1_157950_44001355	NC_021166.1	Ca_kabuli_chr07	44001355	AA	CC	1940422972
SNP_P1_157951_44001370	NC_021166.1	Ca_kabuli_chr07	44001370	TT	CC	1940422973

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_157953_44001427	NC_021166.1	Ca_kabuli_chr07	44001427	GG	AA	1940422975
SNP_P1_157954_44001431	NC_021166.1	Ca_kabuli_chr07	44001431	CC	TT	1940422976
SNP_P1_157955_44001558	NC_021166.1	Ca_kabuli_chr07	44001558	CC	TT	1940422977
SNP_P1_157957_44001626	NC_021166.1	Ca_kabuli_chr07	44001626	AA	TT	1940422978
SNP_P1_157958_44001885	NC_021166.1	Ca_kabuli_chr07	44001885	AA	CC	1940422979
SNP_P1_157959_44001937	NC_021166.1	Ca_kabuli_chr07	44001937	GG	AA	1940422980
SNP_P1_157960_44001939	NC_021166.1	Ca_kabuli_chr07	44001939	TT	CC	1940422981
SNP_P1_157961_44001948	NC_021166.1	Ca_kabuli_chr07	44001948	CC	TT	1940422982
SNP_P1_157962_44001949	NC_021166.1	Ca_kabuli_chr07	44001949	AA	CC	1940422983
SNP_P1_157963_44002223	NC_021166.1	Ca_kabuli_chr07	44002223	TT	AA	1940422984
SNP_P1_157964_44002291	NC_021166.1	Ca_kabuli_chr07	44002291	AA	CC	1940422985
SNP_P1_157965_44002332	NC_021166.1	Ca_kabuli_chr07	44002332	GG	AA	1940422986
SNP_P1_157966_44002344	NC_021166.1	Ca_kabuli_chr07	44002344	CC	AA	1940422987
SNP_P1_157968_44014075	NC_021166.1	Ca_kabuli_chr07	44014075	TT	CC	1940422988
SNP_P1_157969_44019270	NC_021166.1	Ca_kabuli_chr07	44019270	GG	AA	1940422989
SNP_P1_157970_44022173	NC_021166.1	Ca_kabuli_chr07	44022173	AA	CC	1940422990
SNP_P1_157971_44033578	NC_021166.1	Ca_kabuli_chr07	44033578	TT	CC	1940422991
SNP_P1_157972_44034792	NC_021166.1	Ca_kabuli_chr07	44034792	CC	TT	1940422992
SNP_P1_157973_44053425	NC_021166.1	Ca_kabuli_chr07	44053425	CC	TT	1940422993
SNP_P1_157975_44057022	NC_021166.1	Ca_kabuli_chr07	44057022	GG	AA	1940422994
SNP_P1_157976_44072978	NC_021166.1	Ca_kabuli_chr07	44072978	TT	GG	1940422995
SNP_P1_157977_44074672	NC_021166.1	Ca_kabuli_chr07	44074672	AA	CC	1940422996
SNP_P1_157978_44076016	NC_021166.1	Ca_kabuli_chr07	44076016	CC	AA	1940422997
SNP_P1_157979_44082832	NC_021166.1	Ca_kabuli_chr07	44082832	GG	TT	1940422998
SNP_P1_157981_44083297	NC_021166.1	Ca_kabuli_chr07	44083297	CC	TT	1940422999
SNP_P1_157982_44088064	NC_021166.1	Ca_kabuli_chr07	44088064	TT	GG	1940423000
SNP_P1_157983_44091771	NC_021166.1	Ca_kabuli_chr07	44091771	CC	TT	1940423001
SNP_P1_157984_44103859	NC_021166.1	Ca_kabuli_chr07	44103859	TT	CC	1940423002
SNP_P1_157986_44109640	NC_021166.1	Ca_kabuli_chr07	44109640	AA	GG	1940423003
SNP_P1_157987_44114472	NC_021166.1	Ca_kabuli_chr07	44114472	CC	AA	1940423004
SNP_P1_157988_44116357	NC_021166.1	Ca_kabuli_chr07	44116357	TT	CC	1940423005
SNP_P1_157989_44116373	NC_021166.1	Ca_kabuli_chr07	44116373	AA	TT	1940423006
SNP_P1_157990_44116384	NC_021166.1	Ca_kabuli_chr07	44116384	AA	GG	1940423007
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SNP_P1_157992_44116397	NC_021166.1	Ca_kabuli_chr07	44116397	AA	TT	1940423009
SNP_P1_157993_44121373	NC_021166.1	Ca_kabuli_chr07	44121373	TT	CC	1940423010
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SNP_P1_157995_44150066	NC_021166.1	Ca_kabuli_chr07	44150066	GG	AA	1940423012
SNP_P1_157998_44150903	NC_021166.1	Ca_kabuli_chr07	44150903	AA	TT	1940423013
SNP_P1_157999_44161213	NC_021166.1	Ca_kabuli_chr07	44161213	CC	AA	1940423014
SNP_P1_158000_44174082	NC_021166.1	Ca_kabuli_chr07	44174082	AA	GG	1940423015

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158003_44185433	NC_021166.1	Ca_kabuli_chr07	44185433	GG	AA	1940423017
SNP_P1_158004_44199235	NC_021166.1	Ca_kabuli_chr07	44199235	GG	AA	1940423018
SNP_P1_158005_44208805	NC_021166.1	Ca_kabuli_chr07	44208805	AA	GG	1940423019
SNP_P1_158006_44208828	NC_021166.1	Ca_kabuli_chr07	44208828	AA	TT	1940423020
SNP_P1_158007_44213826	NC_021166.1	Ca_kabuli_chr07	44213826	AA	GG	1940423021
SNP_P1_158008_44213889	NC_021166.1	Ca_kabuli_chr07	44213889	AA	TT	1940423022
SNP_P1_158009_44213983	NC_021166.1	Ca_kabuli_chr07	44213983	CC	TT	1940423023
SNP_P1_158010_44214081	NC_021166.1	Ca_kabuli_chr07	44214081	CC	AA	1940423024
SNP_P1_158011_44214117	NC_021166.1	Ca_kabuli_chr07	44214117	AA	GG	1940423025
SNP_P1_158012_44214125	NC_021166.1	Ca_kabuli_chr07	44214125	AA	GG	1940423026
SNP_P1_158013_44214294	NC_021166.1	Ca_kabuli_chr07	44214294	CC	AA	1940423027
SNP_P1_158014_44214308	NC_021166.1	Ca_kabuli_chr07	44214308	TT	CC	1940423028
SNP_P1_158015_44214492	NC_021166.1	Ca_kabuli_chr07	44214492	TT	CC	1940423029
SNP_P1_158016_44214505	NC_021166.1	Ca_kabuli_chr07	44214505	CC	TT	1940423030
SNP_P1_158017_44214559	NC_021166.1	Ca_kabuli_chr07	44214559	TT	AA	1940423031
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SNP_P1_158019_44216621	NC_021166.1	Ca_kabuli_chr07	44216621	TT	AA	1940423033
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SNP_P1_158023_44242268	NC_021166.1	Ca_kabuli_chr07	44242268	CC	TT	1940423037
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SNP_P1_158031_44322227	NC_021166.1	Ca_kabuli_chr07	44322227	TT	AA	1940423044
SNP_P1_158032_44325679	NC_021166.1	Ca_kabuli_chr07	44325679	GG	AA	1940423045
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SNP_P1_158034_44332002	NC_021166.1	Ca_kabuli_chr07	44332002	AA	GG	1940423047
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SNP_P1_158041_44350761	NC_021166.1	Ca_kabuli_chr07	44350761	TT	GG	1940423053
SNP_P1_158042_44351034	NC_021166.1	Ca_kabuli_chr07	44351034	GG	TT	1940423054
SNP_P1_158043_44362551	NC_021166.1	Ca_kabuli_chr07	44362551	CC	TT	1940423055
SNP_P1_158046_44390191	NC_021166.1	Ca_kabuli_chr07	44390191	TT	AA	1940423056
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158050_44395922	NC_021166.1	Ca_kabuli_chr07	44395922	AA	CC	1940423060
SNP_P1_158051_44395924	NC_021166.1	Ca_kabuli_chr07	44395924	AA	TT	1940423061
SNP_P1_158052_44395937	NC_021166.1	Ca_kabuli_chr07	44395937	AA	CC	1940423062
SNP_P1_158053_44396011	NC_021166.1	Ca_kabuli_chr07	44396011	TT	CC	1940423063
SNP_P1_158054_44396026	NC_021166.1	Ca_kabuli_chr07	44396026	AA	GG	1940423064
SNP_P1_158055_44396151	NC_021166.1	Ca_kabuli_chr07	44396151	AA	GG	1940423065
SNP_P1_158056_44396158	NC_021166.1	Ca_kabuli_chr07	44396158	TT	CC	1940423066
SNP_P1_158057_44396353	NC_021166.1	Ca_kabuli_chr07	44396353	CC	TT	1940423067
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SNP_P1_158061_44396493	NC_021166.1	Ca_kabuli_chr07	44396493	AA	GG	1940423071
SNP_P1_158062_44396516	NC_021166.1	Ca_kabuli_chr07	44396516	GG	AA	1940423072
SNP_P1_158064_44400985	NC_021166.1	Ca_kabuli_chr07	44400985	TT	CC	1940423073
SNP_P1_158065_44404721	NC_021166.1	Ca_kabuli_chr07	44404721	TT	CC	1940423074
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SNP_P1_158067_44417870	NC_021166.1	Ca_kabuli_chr07	44417870	AA	TT	1940423076
SNP_P1_158068_44435833	NC_021166.1	Ca_kabuli_chr07	44435833	CC	GG	1940423077
SNP_P1_158069_44440724	NC_021166.1	Ca_kabuli_chr07	44440724	AA	GG	1940423078
SNP_P1_158070_44441043	NC_021166.1	Ca_kabuli_chr07	44441043	GG	AA	1940423079
SNP_P1_158071_44442504	NC_021166.1	Ca_kabuli_chr07	44442504	AA	GG	1940423080
SNP_P1_158072_44442506	NC_021166.1	Ca_kabuli_chr07	44442506	AA	TT	1940423081
SNP_P1_158073_44442522	NC_021166.1	Ca_kabuli_chr07	44442522	TT	AA	1940423082
SNP_P1_158074_44442557	NC_021166.1	Ca_kabuli_chr07	44442557	CC	TT	1940423083
SNP_P1_158075_44459674	NC_021166.1	Ca_kabuli_chr07	44459674	TT	CC	1940423084
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SNP_P1_158078_44477558	NC_021166.1	Ca_kabuli_chr07	44477558	GG	CC	1940423086
SNP_P1_158079_44477597	NC_021166.1	Ca_kabuli_chr07	44477597	AA	GG	1940423087
SNP_P1_158081_44492967	NC_021166.1	Ca_kabuli_chr07	44492967	GG	TT	1940423088
SNP_P1_158082_44497353	NC_021166.1	Ca_kabuli_chr07	44497353	AA	TT	1940423089
SNP_P1_158083_44499880	NC_021166.1	Ca_kabuli_chr07	44499880	AA	CC	1940423090
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SNP_P1_158085_44504300	NC_021166.1	Ca_kabuli_chr07	44504300	AA	CC	1940423092
SNP_P1_158086_44505296	NC_021166.1	Ca_kabuli_chr07	44505296	TT	AA	1940423093
SNP_P1_158087_44508894	NC_021166.1	Ca_kabuli_chr07	44508894	TT	CC	1940423094
SNP_P1_158088_44508909	NC_021166.1	Ca_kabuli_chr07	44508909	GG	TT	1940423095
SNP_P1_158089_44510652	NC_021166.1	Ca_kabuli_chr07	44510652	CC	TT	1940423096
SNP_P1_158091_44518566	NC_021166.1	Ca_kabuli_chr07	44518566	GG	AA	1940423097
SNP_P1_158093_44533164	NC_021166.1	Ca_kabuli_chr07	44533164	GG	AA	1940423098
SNP_P1_158094_44543118	NC_021166.1	Ca_kabuli_chr07	44543118	TT	AA	1940423099
SNP_P1_158095_44543578	NC_021166.1	Ca_kabuli_chr07	44543578	CC	AA	1940423100

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158099_44543665	NC_021166.1	Ca_kabuli_chr07	44543665	CC	AA	1940423103
SNP_P1_158100_44543666	NC_021166.1	Ca_kabuli_chr07	44543666	TT	AA	1940423104
SNP_P1_158101_44543670	NC_021166.1	Ca_kabuli_chr07	44543670	AA	TT	1940423105
SNP_P1_158102_44543694	NC_021166.1	Ca_kabuli_chr07	44543694	AA	GG	1940423106
SNP_P1_158104_44543864	NC_021166.1	Ca_kabuli_chr07	44543864	GG	AA	1940423107
SNP_P1_158105_44543995	NC_021166.1	Ca_kabuli_chr07	44543995	TT	GG	1940423108
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SNP_P1_158108_44544438	NC_021166.1	Ca_kabuli_chr07	44544438	CC	TT	1940423111
SNP_P1_158109_44565077	NC_021166.1	Ca_kabuli_chr07	44565077	TT	CC	1940423112
SNP_P1_158110_44565094	NC_021166.1	Ca_kabuli_chr07	44565094	TT	GG	1940423113
SNP_P1_158111_44569982	NC_021166.1	Ca_kabuli_chr07	44569982	GG	TT	1940423114
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SNP_P1_158113_44571730	NC_021166.1	Ca_kabuli_chr07	44571730	AA	GG	1940423116
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SNP_P1_158120_44611514	NC_021166.1	Ca_kabuli_chr07	44611514	AA	GG	1940423122
SNP_P1_158121_44627186	NC_021166.1	Ca_kabuli_chr07	44627186	TT	GG	1940423123
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SNP_P1_158135_44732108	NC_021166.1	Ca_kabuli_chr07	44732108	TT	AA	1940423137
SNP_P1_158136_44743101	NC_021166.1	Ca_kabuli_chr07	44743101	CC	TT	1940423138
SNP_P1_158137_44755658	NC_021166.1	Ca_kabuli_chr07	44755658	GG	CC	1940423139
SNP_P1_158138_44761233	NC_021166.1	Ca_kabuli_chr07	44761233	GG	AA	1940423140
SNP_P1_158139_44773249	NC_021166.1	Ca_kabuli_chr07	44773249	TT	AA	1940423141
SNP_P1_158141_44796461	NC_021166.1	Ca_kabuli_chr07	44796461	CC	GG	1940423142

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158144_44799672	NC_021166.1	Ca_kabuli_chr07	44799672	CC	TT	1940423145
SNP_P1_158145_44799884	NC_021166.1	Ca_kabuli_chr07	44799884	CC	TT	1940423146
SNP_P1_158147_44815374	NC_021166.1	Ca_kabuli_chr07	44815374	AA	CC	1940423147
SNP_P1_158148_44821814	NC_021166.1	Ca_kabuli_chr07	44821814	GG	AA	1940423148
SNP_P1_158149_44821834	NC_021166.1	Ca_kabuli_chr07	44821834	GG	AA	1940423149
SNP_P1_158150_44822404	NC_021166.1	Ca_kabuli_chr07	44822404	AA	TT	1940423150
SNP_P1_158151_44822656	NC_021166.1	Ca_kabuli_chr07	44822656	CC	AA	1940423151
SNP_P1_158152_44822659	NC_021166.1	Ca_kabuli_chr07	44822659	AA	GG	1940423152
SNP_P1_158153_44822679	NC_021166.1	Ca_kabuli_chr07	44822679	AA	CC	1940423153
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SNP_P1_158159_44830231	NC_021166.1	Ca_kabuli_chr07	44830231	AA	GG	1940423157
SNP_P1_158160_44830234	NC_021166.1	Ca_kabuli_chr07	44830234	GG	AA	1940423158
SNP_P1_158161_44830235	NC_021166.1	Ca_kabuli_chr07	44830235	CC	TT	1940423159
SNP_P1_158162_44830240	NC_021166.1	Ca_kabuli_chr07	44830240	GG	AA	1940423160
SNP_P1_158163_44830245	NC_021166.1	Ca_kabuli_chr07	44830245	TT	CC	1940423161
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SNP_P1_158167_44835044	NC_021166.1	Ca_kabuli_chr07	44835044	AA	GG	1940423165
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SNP_P1_158173_44905175	NC_021166.1	Ca_kabuli_chr07	44905175	GG	AA	1940423171
SNP_P1_158174_44905189	NC_021166.1	Ca_kabuli_chr07	44905189	AA	GG	1940423172
SNP_P1_158175_44905265	NC_021166.1	Ca_kabuli_chr07	44905265	TT	CC	1940423173
SNP_P1_158176_44905560	NC_021166.1	Ca_kabuli_chr07	44905560	TT	CC	1940423174
SNP_P1_158177_44906905	NC_021166.1	Ca_kabuli_chr07	44906905	TT	GG	1940423175
SNP_P1_158178_44908091	NC_021166.1	Ca_kabuli_chr07	44908091	AA	GG	1940423176
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SNP_P1_158180_44924492	NC_021166.1	Ca_kabuli_chr07	44924492	GG	AA	1940423178
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SNP_P1_158183_44939094	NC_021166.1	Ca_kabuli_chr07	44939094	GG	TT	1940423181
SNP_P1_158184_44946418	NC_021166.1	Ca_kabuli_chr07	44946418	GG	AA	1940423182
SNP_P1_158185_44960456	NC_021166.1	Ca_kabuli_chr07	44960456	GG	AA	1940423183
SNP_P1_158186_44960545	NC_021166.1	Ca_kabuli_chr07	44960545	GG	AA	1940423184

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158189_44977158	NC_021166.1	Ca_kabuli_chr07	44977158	TT	CC	1940423187
SNP_P1_158190_44977182	NC_021166.1	Ca_kabuli_chr07	44977182	TT	AA	1940423188
SNP_P1_158191_44977183	NC_021166.1	Ca_kabuli_chr07	44977183	CC	AA	1940423189
SNP_P1_158193_44977215	NC_021166.1	Ca_kabuli_chr07	44977215	TT	CC	1940423190
SNP_P1_158194_44977234	NC_021166.1	Ca_kabuli_chr07	44977234	GG	AA	1940423191
SNP_P1_158195_44977238	NC_021166.1	Ca_kabuli_chr07	44977238	AA	GG	1940423192
SNP_P1_158196_44977247	NC_021166.1	Ca_kabuli_chr07	44977247	TT	CC	1940423193
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SNP_P1_158205_45044164	NC_021166.1	Ca_kabuli_chr07	45044164	GG	CC	1940423201
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SNP_P1_158210_45044467	NC_021166.1	Ca_kabuli_chr07	45044467	CC	TT	1940423206
SNP_P1_158211_45044468	NC_021166.1	Ca_kabuli_chr07	45044468	TT	CC	1940423207
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SNP_P1_158217_45044625	NC_021166.1	Ca_kabuli_chr07	45044625	TT	CC	1940423213
SNP_P1_158218_45044655	NC_021166.1	Ca_kabuli_chr07	45044655	AA	GG	1940423214
SNP_P1_158219_45047801	NC_021166.1	Ca_kabuli_chr07	45047801	AA	GG	1940423215
SNP_P1_158220_45050952	NC_021166.1	Ca_kabuli_chr07	45050952	AA	GG	1940423216
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SNP_P1_158225_45089358	NC_021166.1	Ca_kabuli_chr07	45089358	GG	AA	1940423220
SNP_P1_158226_45089385	NC_021166.1	Ca_kabuli_chr07	45089385	AA	GG	1940423221
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SNP_P1_158229_45113244	NC_021166.1	Ca_kabuli_chr07	45113244	CC	TT	1940423225
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SNP_P1_158231_45113311	NC_021166.1	Ca_kabuli_chr07	45113311	TT	CC	1940423227

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158234_45113457	NC_021166.1	Ca_kabuli_chr07	45113457	AA	CC	1940423230
SNP_P1_158235_45113473	NC_021166.1	Ca_kabuli_chr07	45113473	GG	AA	1940423231
SNP_P1_158236_45113682	NC_021166.1	Ca_kabuli_chr07	45113682	GG	AA	1940423232
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SNP_P1_158239_45124874	NC_021166.1	Ca_kabuli_chr07	45124874	AA	TT	1940423235
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SNP_P1_158253_45151523	NC_021166.1	Ca_kabuli_chr07	45151523	CC	TT	1940423249
SNP_P1_158254_45161552	NC_021166.1	Ca_kabuli_chr07	45161552	GG	AA	1940423250
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SNP_P1_158257_45162592	NC_021166.1	Ca_kabuli_chr07	45162592	TT	CC	1940423253
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SNP_P1_158260_45169409	NC_021166.1	Ca_kabuli_chr07	45169409	GG	AA	1940423256
SNP_P1_158261_45169882	NC_021166.1	Ca_kabuli_chr07	45169882	CC	TT	1940423257
SNP_P1_158262_45169907	NC_021166.1	Ca_kabuli_chr07	45169907	GG	AA	1940423258
SNP_P1_158263_45170508	NC_021166.1	Ca_kabuli_chr07	45170508	CC	AA	1940423259
SNP_P1_158265_45171009	NC_021166.1	Ca_kabuli_chr07	45171009	CC	TT	1940423260
SNP_P1_158266_45172294	NC_021166.1	Ca_kabuli_chr07	45172294	AA	TT	1940423261
SNP_P1_158267_45177996	NC_021166.1	Ca_kabuli_chr07	45177996	TT	AA	1940423262
SNP_P1_158268_45178040	NC_021166.1	Ca_kabuli_chr07	45178040	CC	TT	1940423263
SNP_P1_158269_45178048	NC_021166.1	Ca_kabuli_chr07	45178048	AA	TT	1940423264
SNP_P1_158270_45178096	NC_021166.1	Ca_kabuli_chr07	45178096	TT	AA	1940423265
SNP_P1_158271_45178534	NC_021166.1	Ca_kabuli_chr07	45178534	GG	AA	1940423266
SNP_P1_158272_45178931	NC_021166.1	Ca_kabuli_chr07	45178931	GG	AA	1940423267
SNP_P1_158273_45178963	NC_021166.1	Ca_kabuli_chr07	45178963	GG	AA	1940423268
SNP_P1_158274_45179010	NC_021166.1	Ca_kabuli_chr07	45179010	TT	AA	1940423269

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158276_45179224	NC_021166.1	Ca_kabuli_chr07	45179224	AA	GG	1940423271
SNP_P1_158277_45179264	NC_021166.1	Ca_kabuli_chr07	45179264	GG	AA	1940423272
SNP_P1_158278_45179427	NC_021166.1	Ca_kabuli_chr07	45179427	AA	TT	1940423273
SNP_P1_158279_45179441	NC_021166.1	Ca_kabuli_chr07	45179441	TT	CC	1940423274
SNP_P1_158280_45179494	NC_021166.1	Ca_kabuli_chr07	45179494	TT	GG	1940423275
SNP_P1_158281_45182053	NC_021166.1	Ca_kabuli_chr07	45182053	TT	AA	1940423276
SNP_P1_158283_45195551	NC_021166.1	Ca_kabuli_chr07	45195551	CC	AA	1940423277
SNP_P1_158286_45229246	NC_021166.1	Ca_kabuli_chr07	45229246	CC	TT	1940423278
SNP_P1_158287_45235356	NC_021166.1	Ca_kabuli_chr07	45235356	GG	AA	1940423279
SNP_P1_158288_45238670	NC_021166.1	Ca_kabuli_chr07	45238670	GG	TT	1940423280
SNP_P1_158289_45239190	NC_021166.1	Ca_kabuli_chr07	45239190	TT	AA	1940423281
SNP_P1_158290_45239191	NC_021166.1	Ca_kabuli_chr07	45239191	TT	AA	1940423282
SNP_P1_158291_45239711	NC_021166.1	Ca_kabuli_chr07	45239711	CC	AA	1940423283
SNP_P1_158292_45241450	NC_021166.1	Ca_kabuli_chr07	45241450	GG	AA	1940423284
SNP_P1_158296_45249091	NC_021166.1	Ca_kabuli_chr07	45249091	TT	GG	1940423285
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SNP_P1_158298_45249100	NC_021166.1	Ca_kabuli_chr07	45249100	TT	AA	1940423287
SNP_P1_158299_45259722	NC_021166.1	Ca_kabuli_chr07	45259722	TT	CC	1940423288
SNP_P1_158301_45290953	NC_021166.1	Ca_kabuli_chr07	45290953	CC	TT	1940423289
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SNP_P1_158303_45294595	NC_021166.1	Ca_kabuli_chr07	45294595	CC	AA	1940423291
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SNP_P1_158305_45299215	NC_021166.1	Ca_kabuli_chr07	45299215	CC	TT	1940423293
SNP_P1_158306_45317457	NC_021166.1	Ca_kabuli_chr07	45317457	CC	AA	1940423294
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SNP_P1_158314_45378377	NC_021166.1	Ca_kabuli_chr07	45378377	CC	TT	1940423300
SNP_P1_158315_45383582	NC_021166.1	Ca_kabuli_chr07	45383582	TT	AA	1940423301
SNP_P1_158317_45386117	NC_021166.1	Ca_kabuli_chr07	45386117	GG	AA	1940423302
SNP_P1_158318_45386148	NC_021166.1	Ca_kabuli_chr07	45386148	CC	AA	1940423303
SNP_P1_158319_45386174	NC_021166.1	Ca_kabuli_chr07	45386174	GG	AA	1940423304
SNP_P1_158320_45386199	NC_021166.1	Ca_kabuli_chr07	45386199	CC	TT	1940423305
SNP_P1_158321_45389573	NC_021166.1	Ca_kabuli_chr07	45389573	AA	GG	1940423306
SNP_P1_158322_45391224	NC_021166.1	Ca_kabuli_chr07	45391224	AA	GG	1940423307
SNP_P1_158323_45391299	NC_021166.1	Ca_kabuli_chr07	45391299	AA	GG	1940423308
SNP_P1_158324_45391404	NC_021166.1	Ca_kabuli_chr07	45391404	TT	CC	1940423309
SNP_P1_158325_45391425	NC_021166.1	Ca_kabuli_chr07	45391425	CC	TT	1940423310
SNP_P1_158326_45391496	NC_021166.1	Ca_kabuli_chr07	45391496	AA	CC	1940423311

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158328_45391598	NC_021166.1	Ca_kabuli_chr07	45391598	GG	TT	1940423313
SNP_P1_158329_45391605	NC_021166.1	Ca_kabuli_chr07	45391605	AA	TT	1940423314
SNP_P1_158330_45391624	NC_021166.1	Ca_kabuli_chr07	45391624	GG	AA	1940423315
SNP_P1_158331_45392091	NC_021166.1	Ca_kabuli_chr07	45392091	GG	AA	1940423316
SNP_P1_158332_45392106	NC_021166.1	Ca_kabuli_chr07	45392106	GG	AA	1940423317
SNP_P1_158333_45394830	NC_021166.1	Ca_kabuli_chr07	45394830	CC	TT	1940423318
SNP_P1_158334_45400202	NC_021166.1	Ca_kabuli_chr07	45400202	TT	GG	1940423319
SNP_P1_158335_45408435	NC_021166.1	Ca_kabuli_chr07	45408435	GG	AA	1940423320
SNP_P1_158336_45436633	NC_021166.1	Ca_kabuli_chr07	45436633	TT	CC	1940423321
SNP_P1_158337_45439676	NC_021166.1	Ca_kabuli_chr07	45439676	CC	TT	1940423322
SNP_P1_158338_45439777	NC_021166.1	Ca_kabuli_chr07	45439777	AA	GG	1940423323
SNP_P1_158339_45439786	NC_021166.1	Ca_kabuli_chr07	45439786	TT	CC	1940423324
SNP_P1_158340_45439798	NC_021166.1	Ca_kabuli_chr07	45439798	GG	AA	1940423325
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SNP_P1_158345_45439849	NC_021166.1	Ca_kabuli_chr07	45439849	AA	GG	1940423330
SNP_P1_158346_45439995	NC_021166.1	Ca_kabuli_chr07	45439995	GG	AA	1940423331
SNP_P1_158347_45440005	NC_021166.1	Ca_kabuli_chr07	45440005	AA	CC	1940423332
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SNP_P1_158351_45493521	NC_021166.1	Ca_kabuli_chr07	45493521	TT	CC	1940423335
SNP_P1_158352_45499212	NC_021166.1	Ca_kabuli_chr07	45499212	AA	TT	1940423336
SNP_P1_158353_45501237	NC_021166.1	Ca_kabuli_chr07	45501237	AA	GG	1940423337
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SNP_P1_158358_45530857	NC_021166.1	Ca_kabuli_chr07	45530857	CC	AA	1940423341
SNP_P1_158359_45538835	NC_021166.1	Ca_kabuli_chr07	45538835	CC	AA	1940423342
SNP_P1_158360_45539220	NC_021166.1	Ca_kabuli_chr07	45539220	GG	AA	1940423343
SNP_P1_158361_45539243	NC_021166.1	Ca_kabuli_chr07	45539243	AA	CC	1940423344
SNP_P1_158362_45539549	NC_021166.1	Ca_kabuli_chr07	45539549	AA	CC	1940423345
SNP_P1_158363_45539691	NC_021166.1	Ca_kabuli_chr07	45539691	AA	TT	1940423346
SNP_P1_158364_45539698	NC_021166.1	Ca_kabuli_chr07	45539698	TT	AA	1940423347
SNP_P1_158365_45539703	NC_021166.1	Ca_kabuli_chr07	45539703	TT	GG	1940423348
SNP_P1_158366_45539870	NC_021166.1	Ca_kabuli_chr07	45539870	CC	TT	1940423349
SNP_P1_158367_45540436	NC_021166.1	Ca_kabuli_chr07	45540436	GG	CC	1940423350
SNP_P1_158368_45540507	NC_021166.1	Ca_kabuli_chr07	45540507	TT	CC	1940423351
SNP_P1_158369_45548554	NC_021166.1	Ca_kabuli_chr07	45548554	CC	TT	1940423352
SNP_P1_158370_45553195	NC_021166.1	Ca_kabuli_chr07	45553195	CC	TT	1940423353

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158372_45597746	NC_021166.1	Ca_kabuli_chr07	45597746	TT	CC	1940423355
SNP_P1_158373_45597795	NC_021166.1	Ca_kabuli_chr07	45597795	AA	GG	1940423356
SNP_P1_158374_45603259	NC_021166.1	Ca_kabuli_chr07	45603259	GG	AA	1940423357
SNP_P1_158375_45603348	NC_021166.1	Ca_kabuli_chr07	45603348	AA	GG	1940423358
SNP_P1_158376_45621895	NC_021166.1	Ca_kabuli_chr07	45621895	AA	TT	1940423359
SNP_P1_158377_45621920	NC_021166.1	Ca_kabuli_chr07	45621920	AA	GG	1940423360
SNP_P1_158378_45634261	NC_021166.1	Ca_kabuli_chr07	45634261	AA	GG	1940423361
SNP_P1_158379_45634270	NC_021166.1	Ca_kabuli_chr07	45634270	AA	GG	1940423362
SNP_P1_158380_45634331	NC_021166.1	Ca_kabuli_chr07	45634331	CC	TT	1940423363
SNP_P1_158381_45634332	NC_021166.1	Ca_kabuli_chr07	45634332	TT	CC	1940423364
SNP_P1_158382_45634342	NC_021166.1	Ca_kabuli_chr07	45634342	AA	TT	1940423365
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SNP_P1_158384_45634345	NC_021166.1	Ca_kabuli_chr07	45634345	AA	GG	1940423367
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SNP_P1_158387_45651577	NC_021166.1	Ca_kabuli_chr07	45651577	AA	TT	1940423370
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SNP_P1_158401_45724864	NC_021166.1	Ca_kabuli_chr07	45724864	TT	CC	1940423382
SNP_P1_158402_45724865	NC_021166.1	Ca_kabuli_chr07	45724865	CC	TT	1940423383
SNP_P1_158403_45724867	NC_021166.1	Ca_kabuli_chr07	45724867	TT	AA	1940423384
SNP_P1_158404_45724868	NC_021166.1	Ca_kabuli_chr07	45724868	TT	AA	1940423385
SNP_P1_158405_45724882	NC_021166.1	Ca_kabuli_chr07	45724882	GG	AA	1940423386
SNP_P1_158406_45731275	NC_021166.1	Ca_kabuli_chr07	45731275	GG	TT	1940423387
SNP_P1_158408_45731650	NC_021166.1	Ca_kabuli_chr07	45731650	GG	AA	1940423388
SNP_P1_158409_45731654	NC_021166.1	Ca_kabuli_chr07	45731654	TT	AA	1940423389
SNP_P1_158410_45738166	NC_021166.1	Ca_kabuli_chr07	45738166	AA	CC	1940423390
SNP_P1_158411_45738985	NC_021166.1	Ca_kabuli_chr07	45738985	GG	AA	1940423391
SNP_P1_158412_45750574	NC_021166.1	Ca_kabuli_chr07	45750574	TT	CC	1940423392
SNP_P1_158416_45767359	NC_021166.1	Ca_kabuli_chr07	45767359	AA	CC	1940423393
SNP_P1_158417_45773393	NC_021166.1	Ca_kabuli_chr07	45773393	CC	AA	1940423394
SNP_P1_158418_45803018	NC_021166.1	Ca_kabuli_chr07	45803018	AA	GG	1940423395
SNP_P1_158419_45803034	NC_021166.1	Ca_kabuli_chr07	45803034	GG	TT	1940423396

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158422_45854003	NC_021166.1	Ca_kabuli_chr07	45854003	GG	AA	1940423398
SNP_P1_158423_45855053	NC_021166.1	Ca_kabuli_chr07	45855053	AA	GG	1940423399
SNP_P1_158424_45857022	NC_021166.1	Ca_kabuli_chr07	45857022	TT	AA	1940423400
SNP_P1_158425_45857065	NC_021166.1	Ca_kabuli_chr07	45857065	GG	TT	1940423401
SNP_P1_158426_45857083	NC_021166.1	Ca_kabuli_chr07	45857083	TT	CC	1940423402
SNP_P1_158427_45857429	NC_021166.1	Ca_kabuli_chr07	45857429	TT	CC	1940423403
SNP_P1_158428_45866456	NC_021166.1	Ca_kabuli_chr07	45866456	CC	TT	1940423404
SNP_P1_158429_45892719	NC_021166.1	Ca_kabuli_chr07	45892719	AA	GG	1940423405
SNP_P1_158430_45898282	NC_021166.1	Ca_kabuli_chr07	45898282	AA	GG	1940423406
SNP_P1_158431_45914424	NC_021166.1	Ca_kabuli_chr07	45914424	TT	CC	1940423407
SNP_P1_158432_45922809	NC_021166.1	Ca_kabuli_chr07	45922809	TT	GG	1940423408
SNP_P1_158433_45925356	NC_021166.1	Ca_kabuli_chr07	45925356	AA	CC	1940423409
SNP_P1_158434_45925360	NC_021166.1	Ca_kabuli_chr07	45925360	TT	CC	1940423410
SNP_P1_158435_45925423	NC_021166.1	Ca_kabuli_chr07	45925423	TT	CC	1940423411
SNP_P1_158436_45925453	NC_021166.1	Ca_kabuli_chr07	45925453	AA	CC	1940423412
SNP_P1_158437_45925471	NC_021166.1	Ca_kabuli_chr07	45925471	CC	TT	1940423413
SNP_P1_158438_45925516	NC_021166.1	Ca_kabuli_chr07	45925516	TT	CC	1940423414
SNP_P1_158439_45925519	NC_021166.1	Ca_kabuli_chr07	45925519	TT	CC	1940423415
SNP_P1_158440_45925524	NC_021166.1	Ca_kabuli_chr07	45925524	TT	CC	1940423416
SNP_P1_158441_45925533	NC_021166.1	Ca_kabuli_chr07	45925533	AA	CC	1940423417
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SNP_P1_158443_45925564	NC_021166.1	Ca_kabuli_chr07	45925564	CC	TT	1940423419
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SNP_P1_158445_45925588	NC_021166.1	Ca_kabuli_chr07	45925588	TT	AA	1940423421
SNP_P1_158446_45925612	NC_021166.1	Ca_kabuli_chr07	45925612	TT	CC	1940423422
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SNP_P1_158449_45925656	NC_021166.1	Ca_kabuli_chr07	45925656	TT	AA	1940423425
SNP_P1_158450_45925809	NC_021166.1	Ca_kabuli_chr07	45925809	CC	TT	1940423426
SNP_P1_158451_45925813	NC_021166.1	Ca_kabuli_chr07	45925813	AA	TT	1940423427
SNP_P1_158452_45925866	NC_021166.1	Ca_kabuli_chr07	45925866	GG	AA	1940423428
SNP_P1_158453_45925899	NC_021166.1	Ca_kabuli_chr07	45925899	AA	GG	1940423429
SNP_P1_158454_45925929	NC_021166.1	Ca_kabuli_chr07	45925929	CC	TT	1940423430
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SNP_P1_158456_45925962	NC_021166.1	Ca_kabuli_chr07	45925962	CC	TT	1940423432
SNP_P1_158457_45925979	NC_021166.1	Ca_kabuli_chr07	45925979	AA	GG	1940423433
SNP_P1_158458_45925986	NC_021166.1	Ca_kabuli_chr07	45925986	CC	TT	1940423434
SNP_P1_158459_45926002	NC_021166.1	Ca_kabuli_chr07	45926002	GG	AA	1940423435
SNP_P1_158460_45927848	NC_021166.1	Ca_kabuli_chr07	45927848	TT	CC	1940423436
SNP_P1_158461_45927884	NC_021166.1	Ca_kabuli_chr07	45927884	GG	CC	1940423437
SNP_P1_158462_45927902	NC_021166.1	Ca_kabuli_chr07	45927902	GG	AA	1940423438

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158465_45927975	NC_021166.1	Ca_kabuli_chr07	45927975	CC	TT	1940423441
SNP_P1_158466_45927996	NC_021166.1	Ca_kabuli_chr07	45927996	TT	CC	1940423442
SNP_P1_158467_45928012	NC_021166.1	Ca_kabuli_chr07	45928012	TT	CC	1940423443
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SNP_P1_158510_46121280	NC_021166.1	Ca_kabuli_chr07	46121280	CC	AA	1940423480

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158513_46121304	NC_021166.1	Ca_kabuli_chr07	46121304	GG	TT	1940423483
SNP_P1_158514_46121322	NC_021166.1	Ca_kabuli_chr07	46121322	AA	TT	1940423484
SNP_P1_158515_46121327	NC_021166.1	Ca_kabuli_chr07	46121327	TT	CC	1940423485
SNP_P1_158516_46121337	NC_021166.1	Ca_kabuli_chr07	46121337	AA	GG	1940423486
SNP_P1_158517_46121401	NC_021166.1	Ca_kabuli_chr07	46121401	TT	AA	1940423487
SNP_P1_158518_46121560	NC_021166.1	Ca_kabuli_chr07	46121560	AA	TT	1940423488
SNP_P1_158519_46121577	NC_021166.1	Ca_kabuli_chr07	46121577	AA	TT	1940423489
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SNP_P1_158522_46123896	NC_021166.1	Ca_kabuli_chr07	46123896	AA	GG	1940423492
SNP_P1_158523_46123980	NC_021166.1	Ca_kabuli_chr07	46123980	AA	GG	1940423493
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SNP_P1_158544_46128208	NC_021166.1	Ca_kabuli_chr07	46128208	TT	CC	1940423514
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SNP_P1_158546_46129070	NC_021166.1	Ca_kabuli_chr07	46129070	AA	TT	1940423516
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SNP_P1_158548_46132124	NC_021166.1	Ca_kabuli_chr07	46132124	CC	TT	1940423518
SNP_P1_158549_46132131	NC_021166.1	Ca_kabuli_chr07	46132131	TT	CC	1940423519
SNP_P1_158550_46132274	NC_021166.1	Ca_kabuli_chr07	46132274	TT	GG	1940423520
SNP_P1_158551_46132433	NC_021166.1	Ca_kabuli_chr07	46132433	TT	AA	1940423521
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158557_46132537	NC_021166.1	Ca_kabuli_chr07	46132537	AA	GG	1940423527
SNP_P1_158558_46132548	NC_021166.1	Ca_kabuli_chr07	46132548	AA	CC	1940423528
SNP_P1_158559_46132588	NC_021166.1	Ca_kabuli_chr07	46132588	GG	AA	1940423529
SNP_P1_158560_46132603	NC_021166.1	Ca_kabuli_chr07	46132603	TT	AA	1940423530
SNP_P1_158561_46132617	NC_021166.1	Ca_kabuli_chr07	46132617	AA	GG	1940423531
SNP_P1_158562_46132666	NC_021166.1	Ca_kabuli_chr07	46132666	AA	GG	1940423532
SNP_P1_158564_46178498	NC_021166.1	Ca_kabuli_chr07	46178498	AA	GG	1940423533
SNP_P1_158565_46178499	NC_021166.1	Ca_kabuli_chr07	46178499	AA	GG	1940423534
SNP_P1_158566_46178595	NC_021166.1	Ca_kabuli_chr07	46178595	TT	CC	1940423535
SNP_P1_158567_46178613	NC_021166.1	Ca_kabuli_chr07	46178613	AA	GG	1940423536
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SNP_P1_158570_46178667	NC_021166.1	Ca_kabuli_chr07	46178667	CC	TT	1940423539
SNP_P1_158571_46178718	NC_021166.1	Ca_kabuli_chr07	46178718	AA	TT	1940423540
SNP_P1_158572_46178727	NC_021166.1	Ca_kabuli_chr07	46178727	AA	GG	1940423541
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SNP_P1_158575_46185508	NC_021166.1	Ca_kabuli_chr07	46185508	TT	CC	1940423544
SNP_P1_158576_46185553	NC_021166.1	Ca_kabuli_chr07	46185553	AA	GG	1940423545
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SNP_P1_158581_46221230	NC_021166.1	Ca_kabuli_chr07	46221230	GG	AA	1940423550
SNP_P1_158582_46230644	NC_021166.1	Ca_kabuli_chr07	46230644	CC	TT	1940423551
SNP_P1_158583_46239737	NC_021166.1	Ca_kabuli_chr07	46239737	AA	CC	1940423552
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SNP_P1_158592_46250435	NC_021166.1	Ca_kabuli_chr07	46250435	AA	GG	1940423560
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SNP_P1_158594_46250577	NC_021166.1	Ca_kabuli_chr07	46250577	CC	TT	1940423562
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SNP_P1_158596_46250696	NC_021166.1	Ca_kabuli_chr07	46250696	AA	GG	1940423564
SNP_P1_158597_46250749	NC_021166.1	Ca_kabuli_chr07	46250749	CC	TT	1940423565

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158600_46275351	NC_021166.1	Ca_kabuli_chr07	46275351	CC	AA	1940423568
SNP_P1_158601_46279431	NC_021166.1	Ca_kabuli_chr07	46279431	TT	CC	1940423569
SNP_P1_158602_46279817	NC_021166.1	Ca_kabuli_chr07	46279817	CC	TT	1940423570
SNP_P1_158603_46279994	NC_021166.1	Ca_kabuli_chr07	46279994	TT	CC	1940423571
SNP_P1_158604_46309755	NC_021166.1	Ca_kabuli_chr07	46309755	AA	GG	1940423572
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SNP_P1_158608_46331708	NC_021166.1	Ca_kabuli_chr07	46331708	GG	AA	1940423576
SNP_P1_158609_46331824	NC_021166.1	Ca_kabuli_chr07	46331824	CC	AA	1940423577
SNP_P1_158610_46331834	NC_021166.1	Ca_kabuli_chr07	46331834	GG	AA	1940423578
SNP_P1_158611_46331873	NC_021166.1	Ca_kabuli_chr07	46331873	TT	AA	1940423579
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SNP_P1_158614_46332234	NC_021166.1	Ca_kabuli_chr07	46332234	TT	CC	1940423582
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SNP_P1_158619_46332473	NC_021166.1	Ca_kabuli_chr07	46332473	TT	AA	1940423586
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SNP_P1_158621_46334365	NC_021166.1	Ca_kabuli_chr07	46334365	AA	GG	1940423588
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SNP_P1_158625_46344517	NC_021166.1	Ca_kabuli_chr07	46344517	CC	TT	1940423591
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SNP_P1_158627_46344658	NC_021166.1	Ca_kabuli_chr07	46344658	AA	CC	1940423593
SNP_P1_158628_46348760	NC_021166.1	Ca_kabuli_chr07	46348760	AA	GG	1940423594
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SNP_P1_158632_46361211	NC_021166.1	Ca_kabuli_chr07	46361211	AA	GG	1940423598
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SNP_P1_158639_46387159	NC_021166.1	Ca_kabuli_chr07	46387159	AA	CC	1940423605
SNP_P1_158640_46396257	NC_021166.1	Ca_kabuli_chr07	46396257	TT	CC	1940423606
SNP_P1_158641_46396326	NC_021166.1	Ca_kabuli_chr07	46396326	CC	TT	1940423607

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158644_46403609	NC_021166.1	Ca_kabuli_chr07	46403609	GG	AA	1940423610
SNP_P1_158645_46410071	NC_021166.1	Ca_kabuli_chr07	46410071	AA	TT	1940423611
SNP_P1_158646_46411855	NC_021166.1	Ca_kabuli_chr07	46411855	TT	AA	1940423612
SNP_P1_158647_46411859	NC_021166.1	Ca_kabuli_chr07	46411859	CC	TT	1940423613
SNP_P1_158648_46417015	NC_021166.1	Ca_kabuli_chr07	46417015	AA	GG	1940423614
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SNP_P1_158650_46418098	NC_021166.1	Ca_kabuli_chr07	46418098	AA	GG	1940423616
SNP_P1_158651_46418137	NC_021166.1	Ca_kabuli_chr07	46418137	AA	GG	1940423617
SNP_P1_158652_46418492	NC_021166.1	Ca_kabuli_chr07	46418492	AA	GG	1940423618
SNP_P1_158653_46424187	NC_021166.1	Ca_kabuli_chr07	46424187	AA	CC	1940423619
SNP_P1_158654_46432080	NC_021166.1	Ca_kabuli_chr07	46432080	GG	AA	1940423620
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SNP_P1_158658_46453371	NC_021166.1	Ca_kabuli_chr07	46453371	AA	CC	1940423623
SNP_P1_158659_46453790	NC_021166.1	Ca_kabuli_chr07	46453790	GG	AA	1940423624
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SNP_P1_158674_46516876	NC_021166.1	Ca_kabuli_chr07	46516876	CC	GG	1940423639
SNP_P1_158675_46519378	NC_021166.1	Ca_kabuli_chr07	46519378	TT	CC	1940423640
SNP_P1_158676_46527586	NC_021166.1	Ca_kabuli_chr07	46527586	CC	TT	1940423641
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SNP_P1_158680_46545238	NC_021166.1	Ca_kabuli_chr07	46545238	CC	TT	1940423645
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SNP_P1_158682_46549418	NC_021166.1	Ca_kabuli_chr07	46549418	GG	TT	1940423647
SNP_P1_158683_46549717	NC_021166.1	Ca_kabuli_chr07	46549717	TT	CC	1940423648
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158691_46570006	NC_021166.1	Ca_kabuli_chr07	46570006	AA	GG	1940423654
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SNP_P1_158699_46593667	NC_021166.1	Ca_kabuli_chr07	46593667	CC	GG	1940423661
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SNP_P1_158719_46667325	NC_021166.1	Ca_kabuli_chr07	46667325	GG	AA	1940423681
SNP_P1_158720_46667335	NC_021166.1	Ca_kabuli_chr07	46667335	TT	CC	1940423682
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SNP_P1_158722_46667401	NC_021166.1	Ca_kabuli_chr07	46667401	TT	CC	1940423684
SNP_P1_158723_46667484	NC_021166.1	Ca_kabuli_chr07	46667484	AA	GG	1940423685
SNP_P1_158724_46667835	NC_021166.1	Ca_kabuli_chr07	46667835	AA	CC	1940423686
SNP_P1_158725_46667866	NC_021166.1	Ca_kabuli_chr07	46667866	GG	AA	1940423687
SNP_P1_158726_46667885	NC_021166.1	Ca_kabuli_chr07	46667885	AA	TT	1940423688
SNP_P1_158727_46669688	NC_021166.1	Ca_kabuli_chr07	46669688	AA	GG	1940423689
SNP_P1_158728_46669702	NC_021166.1	Ca_kabuli_chr07	46669702	CC	TT	1940423690
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SNP_P1_158730_46707773	NC_021166.1	Ca_kabuli_chr07	46707773	GG	AA	1940423692

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158734_46732220	NC_021166.1	Ca_kabuli_chr07	46732220	CC	TT	1940423695
SNP_P1_158735_46751925	NC_021166.1	Ca_kabuli_chr07	46751925	CC	TT	1940423696
SNP_P1_158736_46770001	NC_021166.1	Ca_kabuli_chr07	46770001	GG	AA	1940423697
SNP_P1_158737_46771743	NC_021166.1	Ca_kabuli_chr07	46771743	GG	AA	1940423698
SNP_P1_158738_46782382	NC_021166.1	Ca_kabuli_chr07	46782382	TT	GG	1940423699
SNP_P1_158739_46787788	NC_021166.1	Ca_kabuli_chr07	46787788	TT	CC	1940423700
SNP_P1_158740_46807948	NC_021166.1	Ca_kabuli_chr07	46807948	CC	TT	1940423701
SNP_P1_158741_46814347	NC_021166.1	Ca_kabuli_chr07	46814347	AA	TT	1940423702
SNP_P1_158742_46820451	NC_021166.1	Ca_kabuli_chr07	46820451	GG	AA	1940423703
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SNP_P1_158760_46886135	NC_021166.1	Ca_kabuli_chr07	46886135	AA	GG	1940423720
SNP_P1_158761_46886304	NC_021166.1	Ca_kabuli_chr07	46886304	AA	TT	1940423721
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SNP_P1_158763_46886996	NC_021166.1	Ca_kabuli_chr07	46886996	AA	GG	1940423723
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SNP_P1_158765_46918752	NC_021166.1	Ca_kabuli_chr07	46918752	TT	GG	1940423725
SNP_P1_158766_46919510	NC_021166.1	Ca_kabuli_chr07	46919510	AA	GG	1940423726
SNP_P1_158767_46923210	NC_021166.1	Ca_kabuli_chr07	46923210	CC	TT	1940423727
SNP_P1_158768_46925863	NC_021166.1	Ca_kabuli_chr07	46925863	CC	AA	1940423728
SNP_P1_158769_46930307	NC_021166.1	Ca_kabuli_chr07	46930307	TT	AA	1940423729
SNP_P1_158770_46933444	NC_021166.1	Ca_kabuli_chr07	46933444	CC	TT	1940423730
SNP_P1_158771_46959930	NC_021166.1	Ca_kabuli_chr07	46959930	TT	CC	1940423731
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SNP_P1_158773_46960491	NC_021166.1	Ca_kabuli_chr07	46960491	GG	AA	1940423733
SNP_P1_158774_46960516	NC_021166.1	Ca_kabuli_chr07	46960516	TT	CC	1940423734

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158778_46970283	NC_021166.1	Ca_kabuli_chr07	46970283	AA	CC	1940423738
SNP_P1_158779_46970768	NC_021166.1	Ca_kabuli_chr07	46970768	GG	TT	1940423739
SNP_P1_158780_46985126	NC_021166.1	Ca_kabuli_chr07	46985126	GG	AA	1940423740
SNP_P1_158781_46986166	NC_021166.1	Ca_kabuli_chr07	46986166	CC	TT	1940423741
SNP_P1_158782_46986226	NC_021166.1	Ca_kabuli_chr07	46986226	TT	CC	1940423742
SNP_P1_158783_46990884	NC_021166.1	Ca_kabuli_chr07	46990884	TT	CC	1940423743
SNP_P1_158784_46992021	NC_021166.1	Ca_kabuli_chr07	46992021	GG	AA	1940423744
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SNP_P1_158788_47014289	NC_021166.1	Ca_kabuli_chr07	47014289	CC	TT	1940423747
SNP_P1_158789_47014570	NC_021166.1	Ca_kabuli_chr07	47014570	AA	CC	1940423748
SNP_P1_158790_47014587	NC_021166.1	Ca_kabuli_chr07	47014587	GG	AA	1940423749
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SNP_P1_158805_47083022	NC_021166.1	Ca_kabuli_chr07	47083022	AA	GG	1940423764
SNP_P1_158806_47083086	NC_021166.1	Ca_kabuli_chr07	47083086	CC	TT	1940423765
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SNP_P1_158815_47084905	NC_021166.1	Ca_kabuli_chr07	47084905	AA	GG	1940423773
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SNP_P1_158817_47084966	NC_021166.1	Ca_kabuli_chr07	47084966	TT	AA	1940423775
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158821_47091333	NC_021166.1	Ca_kabuli_chr07	47091333	AA	GG	1940423779
SNP_P1_158822_47091491	NC_021166.1	Ca_kabuli_chr07	47091491	GG	AA	1940423780
SNP_P1_158823_47093349	NC_021166.1	Ca_kabuli_chr07	47093349	GG	AA	1940423781
SNP_P1_158824_47093385	NC_021166.1	Ca_kabuli_chr07	47093385	TT	GG	1940423782
SNP_P1_158825_47093387	NC_021166.1	Ca_kabuli_chr07	47093387	AA	GG	1940423783
SNP_P1_158826_47093437	NC_021166.1	Ca_kabuli_chr07	47093437	TT	GG	1940423784
SNP_P1_158827_47093495	NC_021166.1	Ca_kabuli_chr07	47093495	CC	TT	1940423785
SNP_P1_158828_47093534	NC_021166.1	Ca_kabuli_chr07	47093534	GG	AA	1940423786
SNP_P1_158829_47093536	NC_021166.1	Ca_kabuli_chr07	47093536	TT	AA	1940423787
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SNP_P1_158831_47093668	NC_021166.1	Ca_kabuli_chr07	47093668	GG	CC	1940423789
SNP_P1_158832_47093786	NC_021166.1	Ca_kabuli_chr07	47093786	TT	CC	1940423790
SNP_P1_158833_47093794	NC_021166.1	Ca_kabuli_chr07	47093794	AA	GG	1940423791
SNP_P1_158834_47093816	NC_021166.1	Ca_kabuli_chr07	47093816	TT	CC	1940423792
SNP_P1_158835_47093868	NC_021166.1	Ca_kabuli_chr07	47093868	GG	CC	1940423793
SNP_P1_158836_47093886	NC_021166.1	Ca_kabuli_chr07	47093886	AA	TT	1940423794
SNP_P1_158838_47108209	NC_021166.1	Ca_kabuli_chr07	47108209	AA	GG	1940423795
SNP_P1_158839_47108242	NC_021166.1	Ca_kabuli_chr07	47108242	GG	TT	1940423796
SNP_P1_158840_47108278	NC_021166.1	Ca_kabuli_chr07	47108278	CC	TT	1940423797
SNP_P1_158841_47108305	NC_021166.1	Ca_kabuli_chr07	47108305	TT	CC	1940423798
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SNP_P1_158843_47108344	NC_021166.1	Ca_kabuli_chr07	47108344	AA	GG	1940423800
SNP_P1_158844_47108380	NC_021166.1	Ca_kabuli_chr07	47108380	GG	AA	1940423801
SNP_P1_158845_47108405	NC_021166.1	Ca_kabuli_chr07	47108405	TT	GG	1940423802
SNP_P1_158846_47108413	NC_021166.1	Ca_kabuli_chr07	47108413	TT	CC	1940423803
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SNP_P1_158848_47108583	NC_021166.1	Ca_kabuli_chr07	47108583	AA	GG	1940423805
SNP_P1_158849_47108584	NC_021166.1	Ca_kabuli_chr07	47108584	TT	CC	1940423806
SNP_P1_158850_47108647	NC_021166.1	Ca_kabuli_chr07	47108647	TT	AA	1940423807
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SNP_P1_158852_47108685	NC_021166.1	Ca_kabuli_chr07	47108685	GG	CC	1940423809
SNP_P1_158853_47108764	NC_021166.1	Ca_kabuli_chr07	47108764	CC	TT	1940423810
SNP_P1_158854_47110170	NC_021166.1	Ca_kabuli_chr07	47110170	AA	GG	1940423811
SNP_P1_158855_47110186	NC_021166.1	Ca_kabuli_chr07	47110186	AA	GG	1940423812
SNP_P1_158856_47110237	NC_021166.1	Ca_kabuli_chr07	47110237	CC	TT	1940423813
SNP_P1_158857_47116902	NC_021166.1	Ca_kabuli_chr07	47116902	GG	AA	1940423814
SNP_P1_158858_47123065	NC_021166.1	Ca_kabuli_chr07	47123065	CC	TT	1940423815
SNP_P1_158859_47124239	NC_021166.1	Ca_kabuli_chr07	47124239	AA	GG	1940423816
SNP_P1_158861_47136304	NC_021166.1	Ca_kabuli_chr07	47136304	AA	GG	1940423817
SNP_P1_158862_47139065	NC_021166.1	Ca_kabuli_chr07	47139065	GG	AA	1940423818

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158865_47150054	NC_021166.1	Ca_kabuli_chr07	47150054	TT	AA	1940423822
SNP_P1_158866_47155527	NC_021166.1	Ca_kabuli_chr07	47155527	AA	GG	1940423823
SNP_P1_158868_47168703	NC_021166.1	Ca_kabuli_chr07	47168703	TT	GG	1940423824
SNP_P1_158869_47179996	NC_021166.1	Ca_kabuli_chr07	47179996	TT	CC	1940423825
SNP_P1_158870_47180292	NC_021166.1	Ca_kabuli_chr07	47180292	GG	TT	1940423826
SNP_P1_158871_47182414	NC_021166.1	Ca_kabuli_chr07	47182414	AA	GG	1940423827
SNP_P1_158872_47182829	NC_021166.1	Ca_kabuli_chr07	47182829	CC	TT	1940423828
SNP_P1_158873_47182888	NC_021166.1	Ca_kabuli_chr07	47182888	GG	AA	1940423829
SNP_P1_158874_47182894	NC_021166.1	Ca_kabuli_chr07	47182894	GG	TT	1940423830
SNP_P1_158875_47182926	NC_021166.1	Ca_kabuli_chr07	47182926	TT	GG	1940423831
SNP_P1_158876_47182947	NC_021166.1	Ca_kabuli_chr07	47182947	CC	TT	1940423832
SNP_P1_158877_47182949	NC_021166.1	Ca_kabuli_chr07	47182949	TT	GG	1940423833
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SNP_P1_158879_47191886	NC_021166.1	Ca_kabuli_chr07	47191886	TT	CC	1940423835
SNP_P1_158880_47196401	NC_021166.1	Ca_kabuli_chr07	47196401	AA	TT	1940423836
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SNP_P1_158884_47255913	NC_021166.1	Ca_kabuli_chr07	47255913	TT	CC	1940423838
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SNP_P1_158888_47258203	NC_021166.1	Ca_kabuli_chr07	47258203	CC	GG	1940423842
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SNP_P1_158892_47282739	NC_021166.1	Ca_kabuli_chr07	47282739	AA	TT	1940423845
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SNP_P1_158897_47283794	NC_021166.1	Ca_kabuli_chr07	47283794	TT	CC	1940423850
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SNP_P1_158899_47284072	NC_021166.1	Ca_kabuli_chr07	47284072	CC	AA	1940423852
SNP_P1_158900_47284816	NC_021166.1	Ca_kabuli_chr07	47284816	CC	TT	1940423853
SNP_P1_158902_47295047	NC_021166.1	Ca_kabuli_chr07	47295047	AA	GG	1940423854
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SNP_P1_158904_47295143	NC_021166.1	Ca_kabuli_chr07	47295143	CC	GG	1940423856
SNP_P1_158906_47295452	NC_021166.1	Ca_kabuli_chr07	47295452	GG	AA	1940423857
SNP_P1_158907_47324945	NC_021166.1	Ca_kabuli_chr07	47324945	AA	GG	1940423858
SNP_P1_158908_47324967	NC_021166.1	Ca_kabuli_chr07	47324967	AA	GG	1940423859
SNP_P1_158909_47324968	NC_021166.1	Ca_kabuli_chr07	47324968	GG	AA	1940423860
SNP_P1_158910_47324975	NC_021166.1	Ca_kabuli_chr07	47324975	AA	TT	1940423861

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158912_47325296	NC_021166.1	Ca_kabuli_chr07	47325296	CC	TT	1940423863
SNP_P1_158913_47325336	NC_021166.1	Ca_kabuli_chr07	47325336	TT	CC	1940423864
SNP_P1_158914_47325349	NC_021166.1	Ca_kabuli_chr07	47325349	CC	AA	1940423865
SNP_P1_158915_47325350	NC_021166.1	Ca_kabuli_chr07	47325350	AA	GG	1940423866
SNP_P1_158916_47325355	NC_021166.1	Ca_kabuli_chr07	47325355	AA	GG	1940423867
SNP_P1_158917_47325531	NC_021166.1	Ca_kabuli_chr07	47325531	CC	AA	1940423868
SNP_P1_158918_47325542	NC_021166.1	Ca_kabuli_chr07	47325542	CC	TT	1940423869
SNP_P1_158919_47327265	NC_021166.1	Ca_kabuli_chr07	47327265	TT	GG	1940423870
SNP_P1_158920_47327581	NC_021166.1	Ca_kabuli_chr07	47327581	CC	AA	1940423871
SNP_P1_158921_47327707	NC_021166.1	Ca_kabuli_chr07	47327707	GG	TT	1940423872
SNP_P1_158922_47327711	NC_021166.1	Ca_kabuli_chr07	47327711	TT	CC	1940423873
SNP_P1_158923_47327765	NC_021166.1	Ca_kabuli_chr07	47327765	TT	CC	1940423874
SNP_P1_158924_47327815	NC_021166.1	Ca_kabuli_chr07	47327815	TT	AA	1940423875
SNP_P1_158925_47335803	NC_021166.1	Ca_kabuli_chr07	47335803	TT	AA	1940423876
SNP_P1_158926_47340168	NC_021166.1	Ca_kabuli_chr07	47340168	AA	GG	1940423877
SNP_P1_158927_47340176	NC_021166.1	Ca_kabuli_chr07	47340176	TT	GG	1940423878
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SNP_P1_158929_47340195	NC_021166.1	Ca_kabuli_chr07	47340195	GG	AA	1940423880
SNP_P1_158930_47340214	NC_021166.1	Ca_kabuli_chr07	47340214	AA	CC	1940423881
SNP_P1_158931_47340437	NC_021166.1	Ca_kabuli_chr07	47340437	GG	AA	1940423882
SNP_P1_158932_47345643	NC_021166.1	Ca_kabuli_chr07	47345643	AA	GG	1940423883
SNP_P1_158933_47346762	NC_021166.1	Ca_kabuli_chr07	47346762	CC	TT	1940423884
SNP_P1_158934_47346794	NC_021166.1	Ca_kabuli_chr07	47346794	CC	GG	1940423885
SNP_P1_158935_47346814	NC_021166.1	Ca_kabuli_chr07	47346814	AA	GG	1940423886
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SNP_P1_158939_47360424	NC_021166.1	Ca_kabuli_chr07	47360424	GG	AA	1940423889
SNP_P1_158940_47364484	NC_021166.1	Ca_kabuli_chr07	47364484	AA	TT	1940423890
SNP_P1_158941_47371648	NC_021166.1	Ca_kabuli_chr07	47371648	CC	AA	1940423891
SNP_P1_158942_47380124	NC_021166.1	Ca_kabuli_chr07	47380124	TT	AA	1940423892
SNP_P1_158943_47384569	NC_021166.1	Ca_kabuli_chr07	47384569	CC	TT	1940423893
SNP_P1_158944_47388959	NC_021166.1	Ca_kabuli_chr07	47388959	TT	GG	1940423894
SNP_P1_158946_47397492	NC_021166.1	Ca_kabuli_chr07	47397492	AA	CC	1940423895
SNP_P1_158948_47451078	NC_021166.1	Ca_kabuli_chr07	47451078	AA	CC	1940423896
SNP_P1_158949_47457622	NC_021166.1	Ca_kabuli_chr07	47457622	TT	CC	1940423897
SNP_P1_158950_47465861	NC_021166.1	Ca_kabuli_chr07	47465861	TT	GG	1940423898
SNP_P1_158951_47466601	NC_021166.1	Ca_kabuli_chr07	47466601	TT	CC	1940423899
SNP_P1_158953_47478804	NC_021166.1	Ca_kabuli_chr07	47478804	GG	AA	1940423900
SNP_P1_158954_47479939	NC_021166.1	Ca_kabuli_chr07	47479939	TT	CC	1940423901
SNP_P1_158955_47483689	NC_021166.1	Ca_kabuli_chr07	47483689	TT	CC	1940423902
SNP_P1_158956_47484047	NC_021166.1	Ca_kabuli_chr07	47484047	AA	GG	1940423903

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_158959_47495297	NC_021166.1	Ca_kabuli_chr07	47495297	AA	TT	1940423906
SNP_P1_158960_47504265	NC_021166.1	Ca_kabuli_chr07	47504265	AA	GG	1940423907
SNP_P1_158961_47504294	NC_021166.1	Ca_kabuli_chr07	47504294	AA	TT	1940423908
SNP_P1_158962_47504299	NC_021166.1	Ca_kabuli_chr07	47504299	TT	CC	1940423909
SNP_P1_158963_47504564	NC_021166.1	Ca_kabuli_chr07	47504564	TT	CC	1940423910
SNP_P1_158964_47504607	NC_021166.1	Ca_kabuli_chr07	47504607	AA	GG	1940423911
SNP_P1_158965_47504632	NC_021166.1	Ca_kabuli_chr07	47504632	AA	GG	1940423912
SNP_P1_158966_47505524	NC_021166.1	Ca_kabuli_chr07	47505524	AA	CC	1940423913
SNP_P1_158967_47505530	NC_021166.1	Ca_kabuli_chr07	47505530	GG	TT	1940423914
SNP_P1_158968_47505953	NC_021166.1	Ca_kabuli_chr07	47505953	AA	TT	1940423915
SNP_P1_158970_47506079	NC_021166.1	Ca_kabuli_chr07	47506079	GG	AA	1940423916
SNP_P1_158971_47509046	NC_021166.1	Ca_kabuli_chr07	47509046	CC	GG	1940423917
SNP_P1_158972_47520373	NC_021166.1	Ca_kabuli_chr07	47520373	AA	GG	1940423918
SNP_P1_158973_47529326	NC_021166.1	Ca_kabuli_chr07	47529326	CC	TT	1940423919
SNP_P1_158974_47529328	NC_021166.1	Ca_kabuli_chr07	47529328	GG	AA	1940423920
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SNP_P1_158980_47556616	NC_021166.1	Ca_kabuli_chr07	47556616	TT	CC	1940423925
SNP_P1_158981_47567957	NC_021166.1	Ca_kabuli_chr07	47567957	CC	AA	1940423926
SNP_P1_158982_47577551	NC_021166.1	Ca_kabuli_chr07	47577551	GG	TT	1940423927
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SNP_P1_158988_47604626	NC_021166.1	Ca_kabuli_chr07	47604626	TT	GG	1940423933
SNP_P1_158989_47604678	NC_021166.1	Ca_kabuli_chr07	47604678	AA	GG	1940423934
SNP_P1_158990_47604703	NC_021166.1	Ca_kabuli_chr07	47604703	AA	GG	1940423935
SNP_P1_158991_47605010	NC_021166.1	Ca_kabuli_chr07	47605010	TT	GG	1940423936
SNP_P1_158993_47605035	NC_021166.1	Ca_kabuli_chr07	47605035	AA	GG	1940423937
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SNP_P1_158999_47657126	NC_021166.1	Ca_kabuli_chr07	47657126	GG	AA	1940423943
SNP_P1_159000_47659294	NC_021166.1	Ca_kabuli_chr07	47659294	GG	AA	1940423944
SNP_P1_159001_47674249	NC_021166.1	Ca_kabuli_chr07	47674249	CC	TT	1940423945
SNP_P1_159002_47676375	NC_021166.1	Ca_kabuli_chr07	47676375	CC	TT	1940423946

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159006_47708955	NC_021166.1	Ca_kabuli_chr07	47708955	GG	TT	1940423950
SNP_P1_159007_47709352	NC_021166.1	Ca_kabuli_chr07	47709352	TT	AA	1940423951
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SNP_P1_159011_47714436	NC_021166.1	Ca_kabuli_chr07	47714436	TT	CC	1940423955
SNP_P1_159012_47714814	NC_021166.1	Ca_kabuli_chr07	47714814	TT	GG	1940423956
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SNP_P1_159015_47715413	NC_021166.1	Ca_kabuli_chr07	47715413	AA	CC	1940423959
SNP_P1_159016_47715572	NC_021166.1	Ca_kabuli_chr07	47715572	GG	CC	1940423960
SNP_P1_159017_47715601	NC_021166.1	Ca_kabuli_chr07	47715601	AA	GG	1940423961
SNP_P1_159018_47715636	NC_021166.1	Ca_kabuli_chr07	47715636	TT	GG	1940423962
SNP_P1_159019_47718080	NC_021166.1	Ca_kabuli_chr07	47718080	TT	GG	1940423963
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SNP_P1_159021_47718097	NC_021166.1	Ca_kabuli_chr07	47718097	CC	AA	1940423965
SNP_P1_159022_47718110	NC_021166.1	Ca_kabuli_chr07	47718110	GG	AA	1940423966
SNP_P1_159023_47718134	NC_021166.1	Ca_kabuli_chr07	47718134	TT	CC	1940423967
SNP_P1_159024_47718194	NC_021166.1	Ca_kabuli_chr07	47718194	TT	AA	1940423968
SNP_P1_159025_47718330	NC_021166.1	Ca_kabuli_chr07	47718330	AA	GG	1940423969
SNP_P1_159026_47718345	NC_021166.1	Ca_kabuli_chr07	47718345	TT	AA	1940423970
SNP_P1_159027_47718346	NC_021166.1	Ca_kabuli_chr07	47718346	TT	CC	1940423971
SNP_P1_159028_47718370	NC_021166.1	Ca_kabuli_chr07	47718370	AA	TT	1940423972
SNP_P1_159029_47718372	NC_021166.1	Ca_kabuli_chr07	47718372	TT	CC	1940423973
SNP_P1_159030_47718373	NC_021166.1	Ca_kabuli_chr07	47718373	CC	TT	1940423974
SNP_P1_159031_47718396	NC_021166.1	Ca_kabuli_chr07	47718396	GG	AA	1940423975
SNP_P1_159032_47718416	NC_021166.1	Ca_kabuli_chr07	47718416	AA	CC	1940423976
SNP_P1_159033_47718441	NC_021166.1	Ca_kabuli_chr07	47718441	AA	GG	1940423977
SNP_P1_159034_47718471	NC_021166.1	Ca_kabuli_chr07	47718471	TT	CC	1940423978
SNP_P1_159035_47718503	NC_021166.1	Ca_kabuli_chr07	47718503	TT	GG	1940423979
SNP_P1_159036_47718547	NC_021166.1	Ca_kabuli_chr07	47718547	CC	GG	1940423980
SNP_P1_159037_47721191	NC_021166.1	Ca_kabuli_chr07	47721191	GG	CC	1940423981
SNP_P1_159038_47728805	NC_021166.1	Ca_kabuli_chr07	47728805	GG	AA	1940423982
SNP_P1_159039_47747447	NC_021166.1	Ca_kabuli_chr07	47747447	GG	TT	1940423983
SNP_P1_159040_47747454	NC_021166.1	Ca_kabuli_chr07	47747454	GG	AA	1940423984
SNP_P1_159041_47747639	NC_021166.1	Ca_kabuli_chr07	47747639	CC	TT	1940423985
SNP_P1_159042_47759294	NC_021166.1	Ca_kabuli_chr07	47759294	GG	TT	1940423986
SNP_P1_159043_47772358	NC_021166.1	Ca_kabuli_chr07	47772358	AA	GG	1940423987
SNP_P1_159044_47772364	NC_021166.1	Ca_kabuli_chr07	47772364	GG	AA	1940423988

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159046_47772759	NC_021166.1	Ca_kabuli_chr07	47772759	CC	TT	1940423990
SNP_P1_159047_47778084	NC_021166.1	Ca_kabuli_chr07	47778084	GG	AA	1940423991
SNP_P1_159048_47778369	NC_021166.1	Ca_kabuli_chr07	47778369	TT	GG	1940423992
SNP_P1_159049_47778370	NC_021166.1	Ca_kabuli_chr07	47778370	GG	TT	1940423993
SNP_P1_159050_47778515	NC_021166.1	Ca_kabuli_chr07	47778515	AA	GG	1940423994
SNP_P1_159051_47792010	NC_021166.1	Ca_kabuli_chr07	47792010	AA	CC	1940423995
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SNP_P1_159054_47792200	NC_021166.1	Ca_kabuli_chr07	47792200	GG	TT	1940423997
SNP_P1_159055_47792207	NC_021166.1	Ca_kabuli_chr07	47792207	TT	GG	1940423998
SNP_P1_159056_47792221	NC_021166.1	Ca_kabuli_chr07	47792221	AA	GG	1940423999
SNP_P1_159057_47792350	NC_021166.1	Ca_kabuli_chr07	47792350	GG	TT	1940424000
SNP_P1_159058_47792352	NC_021166.1	Ca_kabuli_chr07	47792352	AA	CC	1940424001
SNP_P1_159060_47792642	NC_021166.1	Ca_kabuli_chr07	47792642	GG	AA	1940424002
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SNP_P1_159062_47817585	NC_021166.1	Ca_kabuli_chr07	47817585	AA	TT	1940424004
SNP_P1_159063_47819296	NC_021166.1	Ca_kabuli_chr07	47819296	CC	TT	1940424005
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SNP_P1_159067_47829965	NC_021166.1	Ca_kabuli_chr07	47829965	AA	TT	1940424009
SNP_P1_159068_47829997	NC_021166.1	Ca_kabuli_chr07	47829997	AA	CC	1940424010
SNP_P1_159069_47830015	NC_021166.1	Ca_kabuli_chr07	47830015	AA	GG	1940424011
SNP_P1_159070_47830022	NC_021166.1	Ca_kabuli_chr07	47830022	GG	AA	1940424012
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SNP_P1_159072_47855484	NC_021166.1	Ca_kabuli_chr07	47855484	AA	GG	1940424014
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SNP_P1_159075_47865034	NC_021166.1	Ca_kabuli_chr07	47865034	AA	TT	1940424017
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SNP_P1_159077_47865912	NC_021166.1	Ca_kabuli_chr07	47865912	TT	CC	1940424019
SNP_P1_159078_47865920	NC_021166.1	Ca_kabuli_chr07	47865920	AA	GG	1940424020
SNP_P1_159079_47865935	NC_021166.1	Ca_kabuli_chr07	47865935	AA	GG	1940424021
SNP_P1_159080_47869472	NC_021166.1	Ca_kabuli_chr07	47869472	TT	CC	1940424022
SNP_P1_159081_47885411	NC_021166.1	Ca_kabuli_chr07	47885411	TT	AA	1940424023
SNP_P1_159082_47893890	NC_021166.1	Ca_kabuli_chr07	47893890	GG	CC	1940424024
SNP_P1_159083_47901857	NC_021166.1	Ca_kabuli_chr07	47901857	TT	CC	1940424025
SNP_P1_159085_47906330	NC_021166.1	Ca_kabuli_chr07	47906330	AA	GG	1940424026
SNP_P1_159086_47909452	NC_021166.1	Ca_kabuli_chr07	47909452	TT	CC	1940424027
SNP_P1_159087_47909466	NC_021166.1	Ca_kabuli_chr07	47909466	CC	TT	1940424028
SNP_P1_159088_47909468	NC_021166.1	Ca_kabuli_chr07	47909468	AA	GG	1940424029
SNP_P1_159089_47909472	NC_021166.1	Ca_kabuli_chr07	47909472	TT	CC	1940424030

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159091_47909614	NC_021166.1	Ca_kabuli_chr07	47909614	AA	GG	1940424032
SNP_P1_159092_47909638	NC_021166.1	Ca_kabuli_chr07	47909638	AA	GG	1940424033
SNP_P1_159093_47909668	NC_021166.1	Ca_kabuli_chr07	47909668	CC	TT	1940424034
SNP_P1_159094_47909889	NC_021166.1	Ca_kabuli_chr07	47909889	GG	AA	1940424035
SNP_P1_159095_47909910	NC_021166.1	Ca_kabuli_chr07	47909910	TT	CC	1940424036
SNP_P1_159096_47910018	NC_021166.1	Ca_kabuli_chr07	47910018	TT	CC	1940424037
SNP_P1_159097_47911997	NC_021166.1	Ca_kabuli_chr07	47911997	TT	CC	1940424038
SNP_P1_159098_47912178	NC_021166.1	Ca_kabuli_chr07	47912178	CC	TT	1940424039
SNP_P1_159099_47921057	NC_021166.1	Ca_kabuli_chr07	47921057	CC	AA	1940424040
SNP_P1_159101_47942098	NC_021166.1	Ca_kabuli_chr07	47942098	AA	GG	1940424041
SNP_P1_159102_47942113	NC_021166.1	Ca_kabuli_chr07	47942113	GG	AA	1940424042
SNP_P1_159103_47942150	NC_021166.1	Ca_kabuli_chr07	47942150	GG	AA	1940424043
SNP_P1_159104_47942508	NC_021166.1	Ca_kabuli_chr07	47942508	TT	CC	1940424044
SNP_P1_159105_47954046	NC_021166.1	Ca_kabuli_chr07	47954046	TT	AA	1940424045
SNP_P1_159106_47954097	NC_021166.1	Ca_kabuli_chr07	47954097	TT	GG	1940424046
SNP_P1_159107_47959492	NC_021166.1	Ca_kabuli_chr07	47959492	GG	CC	1940424047
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SNP_P1_159110_47959508	NC_021166.1	Ca_kabuli_chr07	47959508	TT	CC	1940424050
SNP_P1_159111_47959884	NC_021166.1	Ca_kabuli_chr07	47959884	TT	GG	1940424051
SNP_P1_159112_47972314	NC_021166.1	Ca_kabuli_chr07	47972314	GG	AA	1940424052
SNP_P1_159114_47982548	NC_021166.1	Ca_kabuli_chr07	47982548	AA	TT	1940424053
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SNP_P1_159121_48067138	NC_021166.1	Ca_kabuli_chr07	48067138	AA	GG	1940424059
SNP_P1_159122_48067144	NC_021166.1	Ca_kabuli_chr07	48067144	TT	CC	1940424060
SNP_P1_159123_48073468	NC_021166.1	Ca_kabuli_chr07	48073468	CC	TT	1940424061
SNP_P1_159124_48097756	NC_021166.1	Ca_kabuli_chr07	48097756	AA	CC	1940424062
SNP_P1_159126_48135568	NC_021166.1	Ca_kabuli_chr07	48135568	GG	AA	1940424063
SNP_P1_159127_48141073	NC_021166.1	Ca_kabuli_chr07	48141073	TT	CC	1940424064
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SNP_P1_159129_48141508	NC_021166.1	Ca_kabuli_chr07	48141508	TT	AA	1940424066
SNP_P1_159130_48145043	NC_021166.1	Ca_kabuli_chr07	48145043	GG	CC	1940424067
SNP_P1_159131_48145082	NC_021166.1	Ca_kabuli_chr07	48145082	AA	GG	1940424068
SNP_P1_159132_48146656	NC_021166.1	Ca_kabuli_chr07	48146656	AA	GG	1940424069
SNP_P1_159133_48181520	NC_021166.1	Ca_kabuli_chr07	48181520	GG	AA	1940424070
SNP_P1_159134_48185608	NC_021166.1	Ca_kabuli_chr07	48185608	GG	AA	1940424071
SNP_P1_159135_48186840	NC_021166.1	Ca_kabuli_chr07	48186840	GG	AA	1940424072

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159138_48193286	NC_021166.1	Ca_kabuli_chr07	48193286	TT	GG	1940424075
SNP_P1_159140_48193342	NC_021166.1	Ca_kabuli_chr07	48193342	TT	GG	1940424076
SNP_P1_159141_48193505	NC_021166.1	Ca_kabuli_chr07	48193505	GG	TT	1940424077
SNP_P1_159142_48193537	NC_021166.1	Ca_kabuli_chr07	48193537	AA	TT	1940424078
SNP_P1_159143_48204281	NC_021166.1	Ca_kabuli_chr07	48204281	CC	TT	1940424079
SNP_P1_159145_48210936	NC_021166.1	Ca_kabuli_chr07	48210936	CC	GG	1940424080
SNP_P1_159147_48245987	NC_021166.1	Ca_kabuli_chr07	48245987	TT	CC	1940424081
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SNP_P1_159152_48246118	NC_021166.1	Ca_kabuli_chr07	48246118	TT	CC	1940424086
SNP_P1_159153_48246119	NC_021166.1	Ca_kabuli_chr07	48246119	AA	GG	1940424087
SNP_P1_159154_48246126	NC_021166.1	Ca_kabuli_chr07	48246126	TT	CC	1940424088
SNP_P1_159155_48246183	NC_021166.1	Ca_kabuli_chr07	48246183	CC	TT	1940424089
SNP_P1_159156_48246230	NC_021166.1	Ca_kabuli_chr07	48246230	GG	AA	1940424090
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SNP_P1_159170_48276797	NC_021166.1	Ca_kabuli_chr07	48276797	AA	GG	1940424104
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SNP_P1_159180_48312062	NC_021166.1	Ca_kabuli_chr07	48312062	TT	GG	1940424112
SNP_P1_159181_48312135	NC_021166.1	Ca_kabuli_chr07	48312135	CC	AA	1940424113
SNP_P1_159182_48312156	NC_021166.1	Ca_kabuli_chr07	48312156	CC	AA	1940424114
SNP_P1_159183_48312159	NC_021166.1	Ca_kabuli_chr07	48312159	GG	TT	1940424115

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159188_48312576	NC_021166.1	Ca_kabuli_chr07	48312576	TT	CC	1940424119
SNP_P1_159189_48312601	NC_021166.1	Ca_kabuli_chr07	48312601	AA	GG	1940424120
SNP_P1_159191_48312688	NC_021166.1	Ca_kabuli_chr07	48312688	TT	GG	1940424121
SNP_P1_159192_48312689	NC_021166.1	Ca_kabuli_chr07	48312689	GG	AA	1940424122
SNP_P1_159193_48312742	NC_021166.1	Ca_kabuli_chr07	48312742	AA	GG	1940424123
SNP_P1_159194_48312928	NC_021166.1	Ca_kabuli_chr07	48312928	CC	TT	1940424124
SNP_P1_159195_48312966	NC_021166.1	Ca_kabuli_chr07	48312966	CC	AA	1940424125
SNP_P1_159196_48313095	NC_021166.1	Ca_kabuli_chr07	48313095	GG	AA	1940424126
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SNP_P1_159208_48330419	NC_021166.1	Ca_kabuli_chr07	48330419	CC	TT	1940424138
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SNP_P1_159212_48337267	NC_021166.1	Ca_kabuli_chr07	48337267	TT	GG	1940424142
SNP_P1_159213_48337456	NC_021166.1	Ca_kabuli_chr07	48337456	CC	TT	1940424143
SNP_P1_159214_48337486	NC_021166.1	Ca_kabuli_chr07	48337486	TT	CC	1940424144
SNP_P1_159215_48366314	NC_021166.1	Ca_kabuli_chr07	48366314	CC	AA	1940424145
SNP_P1_159216_48366427	NC_021166.1	Ca_kabuli_chr07	48366427	AA	TT	1940424146
SNP_P1_159217_48378218	NC_021166.1	Ca_kabuli_chr07	48378218	GG	AA	1940424147
SNP_P1_159218_48378249	NC_021166.1	Ca_kabuli_chr07	48378249	GG	TT	1940424148
SNP_P1_159219_48390553	NC_021166.1	Ca_kabuli_chr07	48390553	CC	AA	1940424149
SNP_P1_159221_48392132	NC_021166.1	Ca_kabuli_chr07	48392132	AA	CC	1940424150
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SNP_P1_159223_48392311	NC_021166.1	Ca_kabuli_chr07	48392311	TT	CC	1940424152
SNP_P1_159224_48392323	NC_021166.1	Ca_kabuli_chr07	48392323	AA	GG	1940424153
SNP_P1_159225_48392362	NC_021166.1	Ca_kabuli_chr07	48392362	GG	TT	1940424154
SNP_P1_159226_48392409	NC_021166.1	Ca_kabuli_chr07	48392409	CC	TT	1940424155
SNP_P1_159227_48392490	NC_021166.1	Ca_kabuli_chr07	48392490	CC	TT	1940424156
SNP_P1_159228_48392610	NC_021166.1	Ca_kabuli_chr07	48392610	CC	AA	1940424157

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159231_48392699	NC_021166.1	Ca_kabuli_chr07	48392699	TT	AA	1940424159
SNP_P1_159232_48392738	NC_021166.1	Ca_kabuli_chr07	48392738	CC	TT	1940424160
SNP_P1_159233_48392741	NC_021166.1	Ca_kabuli_chr07	48392741	GG	CC	1940424161
SNP_P1_159234_48392801	NC_021166.1	Ca_kabuli_chr07	48392801	GG	TT	1940424162
SNP_P1_159235_48392915	NC_021166.1	Ca_kabuli_chr07	48392915	AA	GG	1940424163
SNP_P1_159236_48392923	NC_021166.1	Ca_kabuli_chr07	48392923	TT	AA	1940424164
SNP_P1_159237_48393015	NC_021166.1	Ca_kabuli_chr07	48393015	TT	CC	1940424165
SNP_P1_159238_48400179	NC_021166.1	Ca_kabuli_chr07	48400179	GG	AA	1940424166
SNP_P1_159239_48400211	NC_021166.1	Ca_kabuli_chr07	48400211	CC	TT	1940424167
SNP_P1_159240_48400511	NC_021166.1	Ca_kabuli_chr07	48400511	AA	GG	1940424168
SNP_P1_159241_48400536	NC_021166.1	Ca_kabuli_chr07	48400536	AA	CC	1940424169
SNP_P1_159242_48400560	NC_021166.1	Ca_kabuli_chr07	48400560	AA	GG	1940424170
SNP_P1_159243_48400562	NC_021166.1	Ca_kabuli_chr07	48400562	GG	AA	1940424171
SNP_P1_159244_48400584	NC_021166.1	Ca_kabuli_chr07	48400584	GG	AA	1940424172
SNP_P1_159245_48400585	NC_021166.1	Ca_kabuli_chr07	48400585	AA	CC	1940424173
SNP_P1_159246_48400590	NC_021166.1	Ca_kabuli_chr07	48400590	CC	GG	1940424174
SNP_P1_159247_48400599	NC_021166.1	Ca_kabuli_chr07	48400599	AA	CC	1940424175
SNP_P1_159248_48400603	NC_021166.1	Ca_kabuli_chr07	48400603	TT	CC	1940424176
SNP_P1_159249_48403475	NC_021166.1	Ca_kabuli_chr07	48403475	GG	AA	1940424177
SNP_P1_159251_48406913	NC_021166.1	Ca_kabuli_chr07	48406913	TT	CC	1940424178
SNP_P1_159253_48416446	NC_021166.1	Ca_kabuli_chr07	48416446	AA	TT	1940424179
SNP_P1_159254_48416479	NC_021166.1	Ca_kabuli_chr07	48416479	AA	TT	1940424180
SNP_P1_159256_48425886	NC_021166.1	Ca_kabuli_chr07	48425886	TT	GG	1940424181
SNP_P1_159257_48426238	NC_021166.1	Ca_kabuli_chr07	48426238	TT	CC	1940424182
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SNP_P1_159260_48426547	NC_021166.1	Ca_kabuli_chr07	48426547	GG	CC	1940424184
SNP_P1_159261_48426560	NC_021166.1	Ca_kabuli_chr07	48426560	AA	GG	1940424185
SNP_P1_159262_48429075	NC_021166.1	Ca_kabuli_chr07	48429075	AA	TT	1940424186
SNP_P1_159264_48429256	NC_021166.1	Ca_kabuli_chr07	48429256	AA	CC	1940424187
SNP_P1_159265_48457662	NC_021166.1	Ca_kabuli_chr07	48457662	TT	CC	1940424188
SNP_P1_159266_48464981	NC_021166.1	Ca_kabuli_chr07	48464981	CC	AA	1940424189
SNP_P1_159268_48497314	NC_021166.1	Ca_kabuli_chr07	48497314	CC	TT	1940424190
SNP_P1_159269_48497359	NC_021166.1	Ca_kabuli_chr07	48497359	CC	TT	1940424191
SNP_P1_159270_48506126	NC_021166.1	Ca_kabuli_chr07	48506126	GG	AA	1940424192
SNP_P1_159271_48535958	NC_021166.1	Ca_kabuli_chr07	48535958	AA	GG	1940424193
SNP_P1_159272_48536433	NC_021166.1	Ca_kabuli_chr07	48536433	GG	AA	1940424194
SNP_P1_159273_48536540	NC_021166.1	Ca_kabuli_chr07	48536540	AA	CC	1940424195
SNP_P1_159274_48543797	NC_021166.1	Ca_kabuli_chr07	48543797	AA	GG	1940424196
SNP_P1_159276_48547058	NC_021166.1	Ca_kabuli_chr07	48547058	TT	CC	1940424197
SNP_P1_159277_48547064	NC_021166.1	Ca_kabuli_chr07	48547064	TT	CC	1940424198
SNP_P1_159278_48547070	NC_021166.1	Ca_kabuli_chr07	48547070	GG	AA	1940424199

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159280_48548006	NC_021166.1	Ca_kabuli_chr07	48548006	AA	GG	1940424201
SNP_P1_159282_48570299	NC_021166.1	Ca_kabuli_chr07	48570299	TT	AA	1940424202
SNP_P1_159283_48572087	NC_021166.1	Ca_kabuli_chr07	48572087	GG	AA	1940424203
SNP_P1_159284_48572596	NC_021166.1	Ca_kabuli_chr07	48572596	AA	GG	1940424204
SNP_P1_159285_48592002	NC_021166.1	Ca_kabuli_chr07	48592002	CC	TT	1940424205
SNP_P1_159286_48601410	NC_021166.1	Ca_kabuli_chr07	48601410	CC	TT	1940424206
SNP_P1_159287_48611317	NC_021166.1	Ca_kabuli_chr07	48611317	GG	AA	1940424207
SNP_P1_159288_48611464	NC_021166.1	Ca_kabuli_chr07	48611464	TT	AA	1940424208
SNP_P1_159289_48611515	NC_021166.1	Ca_kabuli_chr07	48611515	CC	TT	1940424209
SNP_P1_159290_48611542	NC_021166.1	Ca_kabuli_chr07	48611542	TT	CC	1940424210
SNP_P1_159291_48612016	NC_021166.1	Ca_kabuli_chr07	48612016	CC	TT	1940424211
SNP_P1_159292_48612182	NC_021166.1	Ca_kabuli_chr07	48612182	AA	TT	1940424212
SNP_P1_159293_48612212	NC_021166.1	Ca_kabuli_chr07	48612212	TT	CC	1940424213
SNP_P1_159294_48616559	NC_021166.1	Ca_kabuli_chr07	48616559	AA	CC	1940424214
SNP_P1_159295_48631826	NC_021166.1	Ca_kabuli_chr07	48631826	CC	TT	1940424215
SNP_P1_159296_48634017	NC_021166.1	Ca_kabuli_chr07	48634017	AA	GG	1940424216
SNP_P1_159297_48662412	NC_021166.1	Ca_kabuli_chr07	48662412	TT	CC	1940424217
SNP_P1_159298_48662678	NC_021166.1	Ca_kabuli_chr07	48662678	AA	GG	1940424218
SNP_P1_159299_48664703	NC_021166.1	Ca_kabuli_chr07	48664703	AA	CC	1940424219
SNP_P1_159300_48664705	NC_021166.1	Ca_kabuli_chr07	48664705	AA	CC	1940424220
SNP_P1_159301_48664964	NC_021166.1	Ca_kabuli_chr07	48664964	GG	TT	1940424221
SNP_P1_159302_48678023	NC_021166.1	Ca_kabuli_chr07	48678023	TT	AA	1940424223
SNP_P1_159303_48678186	NC_021166.1	Ca_kabuli_chr07	48678186	CC	TT	1940424224
SNP_P1_159304_48678272	NC_021166.1	Ca_kabuli_chr07	48678272	CC	AA	1940424225
SNP_P1_159305_48678279	NC_021166.1	Ca_kabuli_chr07	48678279	AA	CC	1940424226
SNP_P1_159306_48678289	NC_021166.1	Ca_kabuli_chr07	48678289	AA	GG	1940424227
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SNP_P1_159308_48678540	NC_021166.1	Ca_kabuli_chr07	48678540	AA	GG	1940424229
SNP_P1_159309_48678546	NC_021166.1	Ca_kabuli_chr07	48678546	TT	CC	1940424230
SNP_P1_159310_48678549	NC_021166.1	Ca_kabuli_chr07	48678549	CC	TT	1940424231
SNP_P1_159311_48678567	NC_021166.1	Ca_kabuli_chr07	48678567	TT	CC	1940424232
SNP_P1_159312_48678572	NC_021166.1	Ca_kabuli_chr07	48678572	CC	TT	1940424233
SNP_P1_159313_48678607	NC_021166.1	Ca_kabuli_chr07	48678607	AA	GG	1940424234
SNP_P1_159314_48678666	NC_021166.1	Ca_kabuli_chr07	48678666	GG	AA	1940424235
SNP_P1_159315_48678675	NC_021166.1	Ca_kabuli_chr07	48678675	AA	TT	1940424236
SNP_P1_159316_48678688	NC_021166.1	Ca_kabuli_chr07	48678688	CC	TT	1940424237
SNP_P1_159317_48678691	NC_021166.1	Ca_kabuli_chr07	48678691	GG	TT	1940424238
SNP_P1_159318_48678705	NC_021166.1	Ca_kabuli_chr07	48678705	CC	TT	1940424239
SNP_P1_159319_48679572	NC_021166.1	Ca_kabuli_chr07	48679572	GG	AA	1940424240
SNP_P1_159320_48703776	NC_021166.1	Ca_kabuli_chr07	48703776	CC	TT	1940424241
SNP_P1_159322_48708913	NC_021166.1	Ca_kabuli_chr07	48708913	GG	TT	1940424242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159324_48710065	NC_021166.1	Ca_kabuli_chr07	48710065	TT	CC	1940424244
SNP_P1_159325_48725104	NC_021166.1	Ca_kabuli_chr07	48725104	AA	CC	1940424245
SNP_P1_159326_48728191	NC_021166.1	Ca_kabuli_chr07	48728191	TT	GG	1940424246
SNP_P1_159327_48729770	NC_021166.1	Ca_kabuli_chr07	48729770	CC	TT	1940424247
SNP_P1_159328_48729787	NC_021166.1	Ca_kabuli_chr07	48729787	TT	CC	1940424248
SNP_P1_159329_48729814	NC_021166.1	Ca_kabuli_chr07	48729814	CC	TT	1940424249
SNP_P1_159330_48736810	NC_021166.1	Ca_kabuli_chr07	48736810	AA	TT	1940424250
SNP_P1_159331_48746469	NC_021166.1	Ca_kabuli_chr07	48746469	GG	AA	1940424251
SNP_P1_159332_48748546	NC_021166.1	Ca_kabuli_chr07	48748546	AA	GG	1940424252
SNP_P1_159333_48756369	NC_021166.1	Ca_kabuli_chr07	48756369	TT	AA	1940424253
SNP_P1_159334_48772816	NC_021166.1	Ca_kabuli_chr07	48772816	TT	CC	1940424254
SNP_P1_159336_48779192	NC_021166.1	Ca_kabuli_chr07	48779192	TT	CC	1940424255
SNP_P1_159337_48785033	NC_021166.1	Ca_kabuli_chr07	48785033	CC	TT	1940424256
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SNP_P1_159339_48785044	NC_021166.1	Ca_kabuli_chr07	48785044	TT	CC	1940424258
SNP_P1_159340_48785067	NC_021166.1	Ca_kabuli_chr07	48785067	GG	AA	1940424259
SNP_P1_159341_48785109	NC_021166.1	Ca_kabuli_chr07	48785109	CC	TT	1940424260
SNP_P1_159342_48788311	NC_021166.1	Ca_kabuli_chr07	48788311	AA	CC	1940424261
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SNP_P1_159345_48795744	NC_021166.1	Ca_kabuli_chr07	48795744	CC	TT	1940424264
SNP_P1_159346_48796921	NC_021166.1	Ca_kabuli_chr07	48796921	CC	TT	1940424265
SNP_P1_159348_48813997	NC_021166.1	Ca_kabuli_chr07	48813997	CC	TT	1940424266
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SNP_P1_159350_48814343	NC_021166.1	Ca_kabuli_chr07	48814343	CC	GG	1940424268
SNP_P1_159351_48816284	NC_021166.1	Ca_kabuli_chr07	48816284	TT	AA	1940424269
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SNP_P1_159354_48826605	NC_021166.1	Ca_kabuli_chr07	48826605	CC	TT	1940424272
SNP_P1_159355_48827163	NC_021166.1	Ca_kabuli_chr07	48827163	AA	GG	1940424273
SNP_P1_159358_48846304	NC_021166.1	Ca_kabuli_chr07	48846304	AA	TT	1940424274
SNP_P1_159359_48846307	NC_021166.1	Ca_kabuli_chr07	48846307	AA	TT	1940424275
SNP_P1_159360_48852096	NC_021166.1	Ca_kabuli_chr07	48852096	AA	GG	1940424276
SNP_P1_159361_48858374	NC_021166.1	Ca_kabuli_chr07	48858374	GG	AA	1940424277
SNP_P1_159362_48863029	NC_021166.1	Ca_kabuli_chr07	48863029	CC	GG	1940424278
SNP_P1_159363_48871999	NC_021166.1	Ca_kabuli_chr07	48871999	TT	GG	1940424279
SNP_P1_159364_48872172	NC_021166.1	Ca_kabuli_chr07	48872172	GG	AA	1940424280
SNP_P1_159365_48872320	NC_021166.1	Ca_kabuli_chr07	48872320	CC	AA	1940424281
SNP_P1_159366_48872359	NC_021166.1	Ca_kabuli_chr07	48872359	CC	TT	1940424282
SNP_P1_159367_48872381	NC_021166.1	Ca_kabuli_chr07	48872381	AA	GG	1940424283
SNP_P1_159368_48872502	NC_021166.1	Ca_kabuli_chr07	48872502	GG	AA	1940424284

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159370_48872610	NC_021166.1	Ca_kabuli_chr07	48872610	AA	TT	1940424286
SNP_P1_159371_48872667	NC_021166.1	Ca_kabuli_chr07	48872667	GG	AA	1940424287
SNP_P1_159373_48875826	NC_021166.1	Ca_kabuli_chr07	48875826	AA	TT	1940424288
SNP_P1_159374_48876890	NC_021166.1	Ca_kabuli_chr07	48876890	AA	GG	1940424289
SNP_P1_159375_48877106	NC_021166.1	Ca_kabuli_chr07	48877106	CC	TT	1940424290
SNP_P1_159377_48879234	NC_021166.1	Ca_kabuli_chr07	48879234	TT	AA	1940424291
SNP_P1_159378_48879280	NC_021166.1	Ca_kabuli_chr07	48879280	AA	GG	1940424292
SNP_P1_159379_48879410	NC_021166.1	Ca_kabuli_chr07	48879410	CC	GG	1940424293
SNP_P1_159380_48879445	NC_021166.1	Ca_kabuli_chr07	48879445	GG	AA	1940424294
SNP_P1_159381_48879470	NC_021166.1	Ca_kabuli_chr07	48879470	AA	GG	1940424295
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SNP_P1_159383_48894685	NC_021166.1	Ca_kabuli_chr07	48894685	AA	GG	1940424297
SNP_P1_159384_48901242	NC_021166.1	Ca_kabuli_chr07	48901242	GG	AA	1940424298
SNP_P1_159385_48917441	NC_021166.1	Ca_kabuli_chr07	48917441	CC	AA	1940424299
SNP_P1_159386_48922824	NC_021166.1	Ca_kabuli_chr07	48922824	CC	TT	1940424300
SNP_P1_159387_48925405	NC_021166.1	Ca_kabuli_chr07	48925405	AA	TT	1940424301
SNP_P1_159388_48925733	NC_021166.1	Ca_kabuli_chr07	48925733	GG	AA	1940424302
SNP_P1_159389_48925810	NC_021166.1	Ca_kabuli_chr07	48925810	GG	AA	1940424303
SNP_P1_159390_48925873	NC_021166.1	Ca_kabuli_chr07	48925873	TT	GG	1940424304
SNP_P1_159391_48926610	NC_021166.1	Ca_kabuli_chr07	48926610	CC	TT	1940424305
SNP_P1_159392_48929204	NC_021166.1	Ca_kabuli_chr07	48929204	CC	TT	1940424306
SNP_P1_159393_48930238	NC_021166.1	Ca_kabuli_chr07	48930238	AA	TT	1940424307
SNP_P1_159394_48937115	NC_021166.1	Ca_kabuli_chr07	48937115	GG	AA	1940424308
SNP_P1_159395_48937297	NC_021166.1	Ca_kabuli_chr07	48937297	CC	TT	1940424309
SNP_P1_159396_48943927	NC_021166.1	Ca_kabuli_chr07	48943927	TT	GG	1940424310
SNP_P1_159397_48943950	NC_021166.1	Ca_kabuli_chr07	48943950	AA	TT	1940424311
SNP_P1_159398_48944279	NC_021166.1	Ca_kabuli_chr07	48944279	TT	GG	1940424312
SNP_P1_159399_48946048	NC_021166.1	Ca_kabuli_chr07	48946048	GG	AA	1940424313
SNP_P1_159400_48946549	NC_021166.1	Ca_kabuli_chr07	48946549	CC	TT	1940424314
SNP_P1_159401_48952620	NC_021166.1	Ca_kabuli_chr07	48952620	AA	GG	1940424315
SNP_P1_159402_48957042	NC_021166.1	Ca_kabuli_chr07	48957042	CC	TT	1940424316
SNP_P1_159403_2747	NC_021167.1	Ca_kabuli_chr08	2747	TT	CC	1940424317
SNP_P1_159404_3009	NC_021167.1	Ca_kabuli_chr08	3009	CC	AA	1940424318
SNP_P1_159405_3181	NC_021167.1	Ca_kabuli_chr08	3181	CC	GG	1940424319
SNP_P1_159407_9984	NC_021167.1	Ca_kabuli_chr08	9984	GG	TT	1940424320
SNP_P1_159408_10488	NC_021167.1	Ca_kabuli_chr08	10488	GG	AA	1940424321
SNP_P1_159409_12826	NC_021167.1	Ca_kabuli_chr08	12826	AA	GG	1940424322
SNP_P1_159410_12873	NC_021167.1	Ca_kabuli_chr08	12873	GG	TT	1940424323
SNP_P1_159411_12899	NC_021167.1	Ca_kabuli_chr08	12899	CC	TT	1940424324
SNP_P1_159412_13151	NC_021167.1	Ca_kabuli_chr08	13151	CC	TT	1940424325
SNP_P1_159414_13796	NC_021167.1	Ca_kabuli_chr08	13796	CC	TT	1940424326

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159416_15541	NC_021167.1	Ca_kabuli_chr08	15541	CC	GG	1940424328
SNP_P1_159417_15586	NC_021167.1	Ca_kabuli_chr08	15586	AA	TT	1940424329
SNP_P1_159418_15774	NC_021167.1	Ca_kabuli_chr08	15774	AA	GG	1940424330
SNP_P1_159419_15795	NC_021167.1	Ca_kabuli_chr08	15795	AA	GG	1940424331
SNP_P1_159420_15921	NC_021167.1	Ca_kabuli_chr08	15921	AA	GG	1940424332
SNP_P1_159421_15940	NC_021167.1	Ca_kabuli_chr08	15940	GG	AA	1940424333
SNP_P1_159422_16049	NC_021167.1	Ca_kabuli_chr08	16049	CC	AA	1940424334
SNP_P1_159423_16747	NC_021167.1	Ca_kabuli_chr08	16747	CC	GG	1940424335
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SNP_P1_159425_17781	NC_021167.1	Ca_kabuli_chr08	17781	AA	CC	1940424337
SNP_P1_159426_17812	NC_021167.1	Ca_kabuli_chr08	17812	TT	GG	1940424338
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SNP_P1_159431_21356	NC_021167.1	Ca_kabuli_chr08	21356	AA	GG	1940424343
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SNP_P1_159438_45519	NC_021167.1	Ca_kabuli_chr08	45519	TT	AA	1940424349
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SNP_P1_159446_72863	NC_021167.1	Ca_kabuli_chr08	72863	CC	TT	1940424356
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SNP_P1_159457_193959	NC_021167.1	Ca_kabuli_chr08	193959	AA	GG	1940424365
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SNP_P1_159459_194130	NC_021167.1	Ca_kabuli_chr08	194130	AA	GG	1940424367
SNP_P1_159460_194163	NC_021167.1	Ca_kabuli_chr08	194163	AA	GG	1940424368

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159463_207167	NC_021167.1	Ca_kabuli_chr08	207167	TT	CC	1940424371
SNP_P1_159464_209252	NC_021167.1	Ca_kabuli_chr08	209252	TT	CC	1940424372
SNP_P1_159465_234558	NC_021167.1	Ca_kabuli_chr08	234558	AA	GG	1940424374
SNP_P1_159466_256385	NC_021167.1	Ca_kabuli_chr08	256385	AA	GG	1940424375
SNP_P1_159467_287411	NC_021167.1	Ca_kabuli_chr08	287411	AA	TT	1940424376
SNP_P1_159468_305437	NC_021167.1	Ca_kabuli_chr08	305437	GG	AA	1940424377
SNP_P1_159469_306054	NC_021167.1	Ca_kabuli_chr08	306054	GG	CC	1940424378
SNP_P1_159470_316251	NC_021167.1	Ca_kabuli_chr08	316251	AA	TT	1940424379
SNP_P1_159471_316441	NC_021167.1	Ca_kabuli_chr08	316441	CC	TT	1940424380
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SNP_P1_159480_383817	NC_021167.1	Ca_kabuli_chr08	383817	AA	TT	1940424387
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SNP_P1_159509_739669	NC_021167.1	Ca_kabuli_chr08	739669	TT	GG	1940424405
SNP_P1_159510_751797	NC_021167.1	Ca_kabuli_chr08	751797	GG	AA	1940424406
SNP_P1_159511_760731	NC_021167.1	Ca_kabuli_chr08	760731	CC	TT	1940424407
SNP_P1_159513_801013	NC_021167.1	Ca_kabuli_chr08	801013	TT	AA	1940424408
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SNP_P1_159515_805218	NC_021167.1	Ca_kabuli_chr08	805218	TT	GG	1940424410
SNP_P1_159516_807738	NC_021167.1	Ca_kabuli_chr08	807738	AA	GG	1940424411

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159521_826777	NC_021167.1	Ca_kabuli_chr08	826777	AA	TT	1940424414
SNP_P1_159522_858111	NC_021167.1	Ca_kabuli_chr08	858111	AA	GG	1940424415
SNP_P1_159523_859025	NC_021167.1	Ca_kabuli_chr08	859025	AA	CC	1940424416
SNP_P1_159524_866042	NC_021167.1	Ca_kabuli_chr08	866042	TT	CC	1940424417
SNP_P1_159525_867800	NC_021167.1	Ca_kabuli_chr08	867800	CC	AA	1940424418
SNP_P1_159526_906477	NC_021167.1	Ca_kabuli_chr08	906477	CC	AA	1940424419
SNP_P1_159530_937829	NC_021167.1	Ca_kabuli_chr08	937829	CC	GG	1940424420
SNP_P1_159531_937837	NC_021167.1	Ca_kabuli_chr08	937837	CC	GG	1940424421
SNP_P1_159532_937841	NC_021167.1	Ca_kabuli_chr08	937841	AA	GG	1940424422
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SNP_P1_159539_1041399	NC_021167.1	Ca_kabuli_chr08	1041399	GG	TT	1940424428
SNP_P1_159541_1055164	NC_021167.1	Ca_kabuli_chr08	1055164	AA	GG	1940424429
SNP_P1_159542_1066577	NC_021167.1	Ca_kabuli_chr08	1066577	AA	TT	1940424430
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SNP_P1_159546_1080050	NC_021167.1	Ca_kabuli_chr08	1080050	AA	GG	1940424432
SNP_P1_159547_1080054	NC_021167.1	Ca_kabuli_chr08	1080054	GG	AA	1940424433
SNP_P1_159548_1080057	NC_021167.1	Ca_kabuli_chr08	1080057	GG	TT	1940424434
SNP_P1_159549_1080096	NC_021167.1	Ca_kabuli_chr08	1080096	AA	GG	1940424435
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SNP_P1_159553_1163596	NC_021167.1	Ca_kabuli_chr08	1163596	CC	TT	1940424439
SNP_P1_159554_1171958	NC_021167.1	Ca_kabuli_chr08	1171958	AA	TT	1940424440
SNP_P1_159555_1183945	NC_021167.1	Ca_kabuli_chr08	1183945	GG	TT	1940424441
SNP_P1_159557_1210861	NC_021167.1	Ca_kabuli_chr08	1210861	TT	GG	1940424442
SNP_P1_159558_1210896	NC_021167.1	Ca_kabuli_chr08	1210896	TT	CC	1940424443
SNP_P1_159559_1238394	NC_021167.1	Ca_kabuli_chr08	1238394	AA	TT	1940424444
SNP_P1_159560_1244745	NC_021167.1	Ca_kabuli_chr08	1244745	TT	CC	1940424445
SNP_P1_159561_1247874	NC_021167.1	Ca_kabuli_chr08	1247874	AA	GG	1940424446
SNP_P1_159562_1287765	NC_021167.1	Ca_kabuli_chr08	1287765	TT	GG	1940424447
SNP_P1_159563_1287773	NC_021167.1	Ca_kabuli_chr08	1287773	AA	GG	1940424448
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SNP_P1_159567_1343026	NC_021167.1	Ca_kabuli_chr08	1343026	GG	CC	1940424450
SNP_P1_159568_1343055	NC_021167.1	Ca_kabuli_chr08	1343055	AA	CC	1940424451
SNP_P1_159569_1343098	NC_021167.1	Ca_kabuli_chr08	1343098	CC	TT	1940424452
SNP_P1_159570_1343110	NC_021167.1	Ca_kabuli_chr08	1343110	AA	TT	1940424453

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159574_1354783	NC_021167.1	Ca_kabuli_chr08	1354783	GG	AA	1940424456
SNP_P1_159576_1362575	NC_021167.1	Ca_kabuli_chr08	1362575	CC	TT	1940424457
SNP_P1_159577_1368724	NC_021167.1	Ca_kabuli_chr08	1368724	CC	GG	1940424458
SNP_P1_159578_1368726	NC_021167.1	Ca_kabuli_chr08	1368726	AA	TT	1940424459
SNP_P1_159579_1378968	NC_021167.1	Ca_kabuli_chr08	1378968	AA	GG	1940424460
SNP_P1_159580_1389083	NC_021167.1	Ca_kabuli_chr08	1389083	TT	CC	1940424461
SNP_P1_159581_1401089	NC_021167.1	Ca_kabuli_chr08	1401089	CC	TT	1940424462
SNP_P1_159582_1429576	NC_021167.1	Ca_kabuli_chr08	1429576	TT	CC	1940424463
SNP_P1_159583_1430819	NC_021167.1	Ca_kabuli_chr08	1430819	AA	CC	1940424464
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SNP_P1_159588_1456389	NC_021167.1	Ca_kabuli_chr08	1456389	CC	TT	1940424466
SNP_P1_159589_1473064	NC_021167.1	Ca_kabuli_chr08	1473064	GG	AA	1940424467
SNP_P1_159590_1475147	NC_021167.1	Ca_kabuli_chr08	1475147	CC	GG	1940424468
SNP_P1_159591_1494056	NC_021167.1	Ca_kabuli_chr08	1494056	GG	AA	1940424469
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SNP_P1_159599_1583212	NC_021167.1	Ca_kabuli_chr08	1583212	AA	TT	1940424476
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SNP_P1_159603_1615234	NC_021167.1	Ca_kabuli_chr08	1615234	AA	GG	1940424480
SNP_P1_159606_1631242	NC_021167.1	Ca_kabuli_chr08	1631242	AA	TT	1940424481
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SNP_P1_159608_1658922	NC_021167.1	Ca_kabuli_chr08	1658922	AA	GG	1940424483
SNP_P1_159609_1680998	NC_021167.1	Ca_kabuli_chr08	1680998	AA	CC	1940424484
SNP_P1_159610_1699965	NC_021167.1	Ca_kabuli_chr08	1699965	CC	TT	1940424485
SNP_P1_159611_1699974	NC_021167.1	Ca_kabuli_chr08	1699974	CC	GG	1940424486
SNP_P1_159612_1701486	NC_021167.1	Ca_kabuli_chr08	1701486	CC	GG	1940424487
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SNP_P1_159615_1745406	NC_021167.1	Ca_kabuli_chr08	1745406	AA	TT	1940424490
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SNP_P1_159618_1779546	NC_021167.1	Ca_kabuli_chr08	1779546	AA	GG	1940424492
SNP_P1_159619_1812497	NC_021167.1	Ca_kabuli_chr08	1812497	GG	AA	1940424493
SNP_P1_159620_1824210	NC_021167.1	Ca_kabuli_chr08	1824210	AA	GG	1940424494
SNP_P1_159621_1827292	NC_021167.1	Ca_kabuli_chr08	1827292	TT	CC	1940424495

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159625_1863599	NC_021167.1	Ca_kabuli_chr08	1863599	CC	TT	1940424499
SNP_P1_159626_1863675	NC_021167.1	Ca_kabuli_chr08	1863675	CC	TT	1940424500
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SNP_P1_159628_1864059	NC_021167.1	Ca_kabuli_chr08	1864059	GG	TT	1940424502
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SNP_P1_159638_1932000	NC_021167.1	Ca_kabuli_chr08	1932000	TT	AA	1940424510
SNP_P1_159639_1932194	NC_021167.1	Ca_kabuli_chr08	1932194	TT	CC	1940424511
SNP_P1_159640_1933265	NC_021167.1	Ca_kabuli_chr08	1933265	CC	AA	1940424512
SNP_P1_159643_1972404	NC_021167.1	Ca_kabuli_chr08	1972404	TT	CC	1940424513
SNP_P1_159644_1973396	NC_021167.1	Ca_kabuli_chr08	1973396	AA	CC	1940424514
SNP_P1_159646_1995666	NC_021167.1	Ca_kabuli_chr08	1995666	TT	GG	1940424515
SNP_P1_159647_1995668	NC_021167.1	Ca_kabuli_chr08	1995668	TT	AA	1940424516
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SNP_P1_159649_2006778	NC_021167.1	Ca_kabuli_chr08	2006778	GG	AA	1940424518
SNP_P1_159652_2032644	NC_021167.1	Ca_kabuli_chr08	2032644	CC	TT	1940424519
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SNP_P1_159658_2033802	NC_021167.1	Ca_kabuli_chr08	2033802	TT	CC	1940424524
SNP_P1_159659_2033925	NC_021167.1	Ca_kabuli_chr08	2033925	TT	CC	1940424525
SNP_P1_159660_2033927	NC_021167.1	Ca_kabuli_chr08	2033927	GG	AA	1940424526
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SNP_P1_159670_2140265	NC_021167.1	Ca_kabuli_chr08	2140265	TT	GG	1940424534
SNP_P1_159671_2140341	NC_021167.1	Ca_kabuli_chr08	2140341	CC	TT	1940424535
SNP_P1_159672_2145457	NC_021167.1	Ca_kabuli_chr08	2145457	TT	AA	1940424536
SNP_P1_159674_2157498	NC_021167.1	Ca_kabuli_chr08	2157498	GG	AA	1940424537
SNP_P1_159675_2160573	NC_021167.1	Ca_kabuli_chr08	2160573	CC	TT	1940424538

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159684_2212200	NC_021167.1	Ca_kabuli_chr08	2212200	AA	GG	1940424542
SNP_P1_159685_2222428	NC_021167.1	Ca_kabuli_chr08	2222428	AA	TT	1940424543
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SNP_P1_159687_2275166	NC_021167.1	Ca_kabuli_chr08	2275166	GG	CC	1940424545
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SNP_P1_159693_2345961	NC_021167.1	Ca_kabuli_chr08	2345961	AA	GG	1940424549
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SNP_P1_159712_2479904	NC_021167.1	Ca_kabuli_chr08	2479904	TT	AA	1940424568
SNP_P1_159713_2479906	NC_021167.1	Ca_kabuli_chr08	2479906	AA	TT	1940424569
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SNP_P1_159716_2480880	NC_021167.1	Ca_kabuli_chr08	2480880	AA	TT	1940424572
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SNP_P1_159720_2506140	NC_021167.1	Ca_kabuli_chr08	2506140	GG	AA	1940424574
SNP_P1_159721_2506172	NC_021167.1	Ca_kabuli_chr08	2506172	AA	CC	1940424575
SNP_P1_159723_2506425	NC_021167.1	Ca_kabuli_chr08	2506425	CC	AA	1940424576
SNP_P1_159724_2506438	NC_021167.1	Ca_kabuli_chr08	2506438	AA	GG	1940424577
SNP_P1_159725_2506465	NC_021167.1	Ca_kabuli_chr08	2506465	GG	AA	1940424578
SNP_P1_159726_2506472	NC_021167.1	Ca_kabuli_chr08	2506472	CC	GG	1940424579
SNP_P1_159727_2506491	NC_021167.1	Ca_kabuli_chr08	2506491	GG	AA	1940424580

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159731_2571764	NC_021167.1	Ca_kabuli_chr08	2571764	AA	TT	1940424583
SNP_P1_159732_2608692	NC_021167.1	Ca_kabuli_chr08	2608692	CC	TT	1940424584
SNP_P1_159734_2670745	NC_021167.1	Ca_kabuli_chr08	2670745	CC	GG	1940424585
SNP_P1_159735_2701093	NC_021167.1	Ca_kabuli_chr08	2701093	CC	TT	1940424586
SNP_P1_159736_2737955	NC_021167.1	Ca_kabuli_chr08	2737955	TT	CC	1940424587
SNP_P1_159737_2737958	NC_021167.1	Ca_kabuli_chr08	2737958	TT	CC	1940424588
SNP_P1_159740_2757344	NC_021167.1	Ca_kabuli_chr08	2757344	TT	GG	1940424589
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SNP_P1_159767_3192266	NC_021167.1	Ca_kabuli_chr08	3192266	TT	GG	1940424610
SNP_P1_159768_3224377	NC_021167.1	Ca_kabuli_chr08	3224377	GG	AA	1940424611
SNP_P1_159769_3266257	NC_021167.1	Ca_kabuli_chr08	3266257	GG	AA	1940424612
SNP_P1_159770_3267423	NC_021167.1	Ca_kabuli_chr08	3267423	CC	TT	1940424613
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SNP_P1_159775_3305877	NC_021167.1	Ca_kabuli_chr08	3305877	GG	TT	1940424617
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SNP_P1_159782_3373837	NC_021167.1	Ca_kabuli_chr08	3373837	CC	TT	1940424622

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159787_3468973	NC_021167.1	Ca_kabuli_chr08	3468973	AA	GG	1940424626
SNP_P1_159788_3475205	NC_021167.1	Ca_kabuli_chr08	3475205	GG	AA	1940424627
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SNP_P1_159791_3487969	NC_021167.1	Ca_kabuli_chr08	3487969	CC	TT	1940424630
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SNP_P1_159801_3588382	NC_021167.1	Ca_kabuli_chr08	3588382	AA	GG	1940424639
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SNP_P1_159815_3687481	NC_021167.1	Ca_kabuli_chr08	3687481	AA	GG	1940424653
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SNP_P1_159819_3754663	NC_021167.1	Ca_kabuli_chr08	3754663	TT	CC	1940424656
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SNP_P1_159825_3815344	NC_021167.1	Ca_kabuli_chr08	3815344	GG	AA	1940424662
SNP_P1_159826_3852097	NC_021167.1	Ca_kabuli_chr08	3852097	GG	CC	1940424663
SNP_P1_159828_3894793	NC_021167.1	Ca_kabuli_chr08	3894793	GG	AA	1940424664

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159871_4444949	NC_021167.1	Ca_kabuli_chr08	4444949	TT	CC	1940424696
SNP_P1_159872_4445402	NC_021167.1	Ca_kabuli_chr08	4445402	GG	AA	1940424697
SNP_P1_159874_4451264	NC_021167.1	Ca_kabuli_chr08	4451264	AA	GG	1940424698
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SNP_P1_159878_4489660	NC_021167.1	Ca_kabuli_chr08	4489660	AA	CC	1940424701
SNP_P1_159879_4490077	NC_021167.1	Ca_kabuli_chr08	4490077	GG	AA	1940424702
SNP_P1_159880_4499653	NC_021167.1	Ca_kabuli_chr08	4499653	CC	AA	1940424703
SNP_P1_159881_4526356	NC_021167.1	Ca_kabuli_chr08	4526356	GG	CC	1940424704
SNP_P1_159883_4534522	NC_021167.1	Ca_kabuli_chr08	4534522	GG	TT	1940424705
SNP_P1_159884_4537461	NC_021167.1	Ca_kabuli_chr08	4537461	AA	TT	1940424706
SNP_P1_159886_4550255	NC_021167.1	Ca_kabuli_chr08	4550255	AA	GG	1940424707

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_159887_4585155	NC_021167.1	Ca_kabuli_chr08	4585155	AA	TT	1940424708
SNP_P1_159888_4601921	NC_021167.1	Ca_kabuli_chr08	4601921	TT	CC	1940424709
SNP_P1_159890_4610826	NC_021167.1	Ca_kabuli_chr08	4610826	TT	GG	1940424710
SNP_P1_159892_4630379	NC_021167.1	Ca_kabuli_chr08	4630379	TT	GG	1940424711
SNP_P1_159895_4661124	NC_021167.1	Ca_kabuli_chr08	4661124	TT	CC	1940424712
SNP_P1_159897_4684052	NC_021167.1	Ca_kabuli_chr08	4684052	TT	AA	1940424713
SNP_P1_159898_4684055	NC_021167.1	Ca_kabuli_chr08	4684055	TT	GG	1940424714
SNP_P1_159899_4734199	NC_021167.1	Ca_kabuli_chr08	4734199	CC	GG	1940424715
SNP_P1_159902_4799507	NC_021167.1	Ca_kabuli_chr08	4799507	AA	GG	1940424716
SNP_P1_159903_4808334	NC_021167.1	Ca_kabuli_chr08	4808334	GG	AA	1940424717
SNP_P1_159904_4819249	NC_021167.1	Ca_kabuli_chr08	4819249	GG	TT	1940424718
SNP_P1_159905_4830952	NC_021167.1	Ca_kabuli_chr08	4830952	AA	CC	1940424719
SNP_P1_159908_4867088	NC_021167.1	Ca_kabuli_chr08	4867088	CC	AA	1940424720
SNP_P1_159909_4883006	NC_021167.1	Ca_kabuli_chr08	4883006	AA	TT	1940424721
SNP_P1_159910_4901700	NC_021167.1	Ca_kabuli_chr08	4901700	GG	AA	1940424722
SNP_P1_159912_4914394	NC_021167.1	Ca_kabuli_chr08	4914394	CC	TT	1940424723
SNP_P1_159914_4981875	NC_021167.1	Ca_kabuli_chr08	4981875	AA	TT	1940424724
SNP_P1_159915_4981884	NC_021167.1	Ca_kabuli_chr08	4981884	GG	AA	1940424725
SNP_P1_159916_4983876	NC_021167.1	Ca_kabuli_chr08	4983876	TT	CC	1940424726
SNP_P1_159918_5012565	NC_021167.1	Ca_kabuli_chr08	5012565	TT	CC	1940424727
SNP_P1_159920_5017197	NC_021167.1	Ca_kabuli_chr08	5017197	TT	CC	1940424728
SNP_P1_159921_5017204	NC_021167.1	Ca_kabuli_chr08	5017204	TT	CC	1940424729
SNP_P1_159922_5018455	NC_021167.1	Ca_kabuli_chr08	5018455	GG	AA	1940424730
SNP_P1_159924_5023477	NC_021167.1	Ca_kabuli_chr08	5023477	CC	TT	1940424731
SNP_P1_159925_5023812	NC_021167.1	Ca_kabuli_chr08	5023812	GG	TT	1940424732
SNP_P1_159927_5040046	NC_021167.1	Ca_kabuli_chr08	5040046	GG	TT	1940424733
SNP_P1_159929_5062120	NC_021167.1	Ca_kabuli_chr08	5062120	AA	GG	1940424734
SNP_P1_159930_5065963	NC_021167.1	Ca_kabuli_chr08	5065963	CC	TT	1940424735
SNP_P1_159931_5069471	NC_021167.1	Ca_kabuli_chr08	5069471	CC	TT	1940424736
SNP_P1_159932_5069746	NC_021167.1	Ca_kabuli_chr08	5069746	TT	CC	1940424737
SNP_P1_159933_5069841	NC_021167.1	Ca_kabuli_chr08	5069841	GG	AA	1940424738
SNP_P1_159934_5069915	NC_021167.1	Ca_kabuli_chr08	5069915	TT	GG	1940424739
SNP_P1_159936_5069959	NC_021167.1	Ca_kabuli_chr08	5069959	GG	TT	1940424740
SNP_P1_159937_5069965	NC_021167.1	Ca_kabuli_chr08	5069965	TT	CC	1940424741
SNP_P1_159938_5069979	NC_021167.1	Ca_kabuli_chr08	5069979	AA	CC	1940424742
SNP_P1_159939_5070006	NC_021167.1	Ca_kabuli_chr08	5070006	CC	TT	1940424743
SNP_P1_159940_5070019	NC_021167.1	Ca_kabuli_chr08	5070019	CC	AA	1940424744
SNP_P1_159941_5070517	NC_021167.1	Ca_kabuli_chr08	5070517	GG	AA	1940424745
SNP_P1_159942_5070524	NC_021167.1	Ca_kabuli_chr08	5070524	CC	TT	1940424746
SNP_P1_159943_5079233	NC_021167.1	Ca_kabuli_chr08	5079233	AA	GG	1940424747
SNP_P1_159944_5079434	NC_021167.1	Ca_kabuli_chr08	5079434	TT	AA	1940424748
SNP_P1_159946_5088588	NC_021167.1	Ca_kabuli_chr08	5088588	AA	CC	1940424749

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_159949_5089275	NC_021167.1	Ca_kabuli_chr08	5089275	AA	CC	1940424752
SNP_P1_159951_5100544	NC_021167.1	Ca_kabuli_chr08	5100544	AA	GG	1940424753
SNP_P1_159952_5107800	NC_021167.1	Ca_kabuli_chr08	5107800	TT	CC	1940424754
SNP_P1_159953_5125223	NC_021167.1	Ca_kabuli_chr08	5125223	CC	GG	1940424755
SNP_P1_159954_5128230	NC_021167.1	Ca_kabuli_chr08	5128230	AA	GG	1940424756
SNP_P1_159955_5131770	NC_021167.1	Ca_kabuli_chr08	5131770	AA	TT	1940424757
SNP_P1_159956_5134031	NC_021167.1	Ca_kabuli_chr08	5134031	CC	TT	1940424758
SNP_P1_159957_5170793	NC_021167.1	Ca_kabuli_chr08	5170793	AA	CC	1940424759
SNP_P1_159958_5173378	NC_021167.1	Ca_kabuli_chr08	5173378	CC	AA	1940424760
SNP_P1_159960_5181884	NC_021167.1	Ca_kabuli_chr08	5181884	AA	TT	1940424761
SNP_P1_159961_5187997	NC_021167.1	Ca_kabuli_chr08	5187997	AA	TT	1940424762
SNP_P1_159962_5197293	NC_021167.1	Ca_kabuli_chr08	5197293	CC	TT	1940424763
SNP_P1_159964_5217981	NC_021167.1	Ca_kabuli_chr08	5217981	AA	GG	1940424764
SNP_P1_159965_5218188	NC_021167.1	Ca_kabuli_chr08	5218188	AA	GG	1940424765
SNP_P1_159966_5220934	NC_021167.1	Ca_kabuli_chr08	5220934	GG	TT	1940424766
SNP_P1_159967_5221737	NC_021167.1	Ca_kabuli_chr08	5221737	TT	CC	1940424767
SNP_P1_159968_5221945	NC_021167.1	Ca_kabuli_chr08	5221945	AA	CC	1940424768
SNP_P1_159969_5221952	NC_021167.1	Ca_kabuli_chr08	5221952	GG	TT	1940424769
SNP_P1_159970_5223684	NC_021167.1	Ca_kabuli_chr08	5223684	AA	GG	1940424770
SNP_P1_159971_5230109	NC_021167.1	Ca_kabuli_chr08	5230109	AA	GG	1940424771
SNP_P1_159972_5255454	NC_021167.1	Ca_kabuli_chr08	5255454	TT	AA	1940424772
SNP_P1_159975_5269145	NC_021167.1	Ca_kabuli_chr08	5269145	CC	AA	1940424773
SNP_P1_159976_5269208	NC_021167.1	Ca_kabuli_chr08	5269208	AA	TT	1940424774
SNP_P1_159977_5269309	NC_021167.1	Ca_kabuli_chr08	5269309	TT	CC	1940424775
SNP_P1_159979_5269355	NC_021167.1	Ca_kabuli_chr08	5269355	TT	GG	1940424776
SNP_P1_159980_5269394	NC_021167.1	Ca_kabuli_chr08	5269394	TT	AA	1940424777
SNP_P1_159981_5269412	NC_021167.1	Ca_kabuli_chr08	5269412	CC	AA	1940424778
SNP_P1_159982_5269440	NC_021167.1	Ca_kabuli_chr08	5269440	TT	CC	1940424779
SNP_P1_159983_5271017	NC_021167.1	Ca_kabuli_chr08	5271017	CC	TT	1940424780
SNP_P1_159985_5271433	NC_021167.1	Ca_kabuli_chr08	5271433	GG	AA	1940424781
SNP_P1_159986_5294145	NC_021167.1	Ca_kabuli_chr08	5294145	TT	CC	1940424782
SNP_P1_159987_5311439	NC_021167.1	Ca_kabuli_chr08	5311439	CC	TT	1940424783
SNP_P1_159988_5338612	NC_021167.1	Ca_kabuli_chr08	5338612	TT	AA	1940424784
SNP_P1_159990_5346652	NC_021167.1	Ca_kabuli_chr08	5346652	AA	GG	1940424785
SNP_P1_159991_5358621	NC_021167.1	Ca_kabuli_chr08	5358621	TT	AA	1940424786
SNP_P1_159992_5360590	NC_021167.1	Ca_kabuli_chr08	5360590	TT	AA	1940424787
SNP_P1_159994_5376331	NC_021167.1	Ca_kabuli_chr08	5376331	GG	AA	1940424788
SNP_P1_159995_5377367	NC_021167.1	Ca_kabuli_chr08	5377367	CC	TT	1940424789
SNP_P1_159996_5380576	NC_021167.1	Ca_kabuli_chr08	5380576	TT	GG	1940424790
SNP_P1_159997_5380580	NC_021167.1	Ca_kabuli_chr08	5380580	GG	AA	1940424791

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160000_5416904	NC_021167.1	Ca_kabuli_chr08	5416904	TT	GG	1940424793
SNP_P1_160001_5416907	NC_021167.1	Ca_kabuli_chr08	5416907	TT	GG	1940424794
SNP_P1_160002_5417298	NC_021167.1	Ca_kabuli_chr08	5417298	AA	TT	1940424795
SNP_P1_160003_5421914	NC_021167.1	Ca_kabuli_chr08	5421914	CC	TT	1940424796
SNP_P1_160005_5454197	NC_021167.1	Ca_kabuli_chr08	5454197	TT	AA	1940424797
SNP_P1_160006_5454295	NC_021167.1	Ca_kabuli_chr08	5454295	CC	TT	1940424798
SNP_P1_160008_5498921	NC_021167.1	Ca_kabuli_chr08	5498921	GG	AA	1940424799
SNP_P1_160009_5515019	NC_021167.1	Ca_kabuli_chr08	5515019	CC	TT	1940424800
SNP_P1_160010_5526937	NC_021167.1	Ca_kabuli_chr08	5526937	TT	AA	1940424801
SNP_P1_160011_5533542	NC_021167.1	Ca_kabuli_chr08	5533542	CC	TT	1940424802
SNP_P1_160013_5544000	NC_021167.1	Ca_kabuli_chr08	5544000	AA	TT	1940424803
SNP_P1_160014_5578425	NC_021167.1	Ca_kabuli_chr08	5578425	AA	TT	1940424804
SNP_P1_160015_5578561	NC_021167.1	Ca_kabuli_chr08	5578561	CC	TT	1940424805
SNP_P1_160016_5578988	NC_021167.1	Ca_kabuli_chr08	5578988	CC	TT	1940424806
SNP_P1_160017_5579660	NC_021167.1	Ca_kabuli_chr08	5579660	GG	AA	1940424807
SNP_P1_160018_5580513	NC_021167.1	Ca_kabuli_chr08	5580513	AA	TT	1940424808
SNP_P1_160021_5598557	NC_021167.1	Ca_kabuli_chr08	5598557	TT	CC	1940424809
SNP_P1_160022_5601553	NC_021167.1	Ca_kabuli_chr08	5601553	TT	AA	1940424810
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SNP_P1_160025_5614599	NC_021167.1	Ca_kabuli_chr08	5614599	GG	AA	1940424812
SNP_P1_160026_5614696	NC_021167.1	Ca_kabuli_chr08	5614696	TT	CC	1940424813
SNP_P1_160027_5616697	NC_021167.1	Ca_kabuli_chr08	5616697	CC	TT	1940424814
SNP_P1_160028_5648276	NC_021167.1	Ca_kabuli_chr08	5648276	GG	AA	1940424815
SNP_P1_160029_5662984	NC_021167.1	Ca_kabuli_chr08	5662984	GG	AA	1940424816
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SNP_P1_160033_5703841	NC_021167.1	Ca_kabuli_chr08	5703841	TT	CC	1940424819
SNP_P1_160034_5706265	NC_021167.1	Ca_kabuli_chr08	5706265	AA	CC	1940424821
SNP_P1_160035_5709090	NC_021167.1	Ca_kabuli_chr08	5709090	TT	CC	1940424822
SNP_P1_160036_5718832	NC_021167.1	Ca_kabuli_chr08	5718832	GG	TT	1940424823
SNP_P1_160037_5718927	NC_021167.1	Ca_kabuli_chr08	5718927	AA	CC	1940424824
SNP_P1_160038_5718928	NC_021167.1	Ca_kabuli_chr08	5718928	TT	CC	1940424825
SNP_P1_160039_5719139	NC_021167.1	Ca_kabuli_chr08	5719139	CC	TT	1940424826
SNP_P1_160040_5719176	NC_021167.1	Ca_kabuli_chr08	5719176	GG	AA	1940424827
SNP_P1_160041_5719181	NC_021167.1	Ca_kabuli_chr08	5719181	TT	GG	1940424828
SNP_P1_160042_5719191	NC_021167.1	Ca_kabuli_chr08	5719191	CC	TT	1940424829
SNP_P1_160043_5719194	NC_021167.1	Ca_kabuli_chr08	5719194	TT	GG	1940424830
SNP_P1_160044_5719252	NC_021167.1	Ca_kabuli_chr08	5719252	GG	AA	1940424831
SNP_P1_160045_5719296	NC_021167.1	Ca_kabuli_chr08	5719296	GG	TT	1940424832
SNP_P1_160046_5719338	NC_021167.1	Ca_kabuli_chr08	5719338	AA	GG	1940424833
SNP_P1_160047_5719380	NC_021167.1	Ca_kabuli_chr08	5719380	TT	CC	1940424834

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_160048_5719399	NC_021167.1	Ca_kabuli_chr08	5719399	AA	GG	1940424835
SNP_P1_160049_5719434	NC_021167.1	Ca_kabuli_chr08	5719434	CC	TT	1940424836
SNP_P1_160050_5719461	NC_021167.1	Ca_kabuli_chr08	5719461	TT	GG	1940424837
SNP_P1_160051_5719487	NC_021167.1	Ca_kabuli_chr08	5719487	TT	CC	1940424838
SNP_P1_160052_5719625	NC_021167.1	Ca_kabuli_chr08	5719625	CC	GG	1940424839
SNP_P1_160053_5719697	NC_021167.1	Ca_kabuli_chr08	5719697	GG	AA	1940424840
SNP_P1_160054_5719702	NC_021167.1	Ca_kabuli_chr08	5719702	CC	TT	1940424841
SNP_P1_160055_5719724	NC_021167.1	Ca_kabuli_chr08	5719724	CC	TT	1940424842
SNP_P1_160056_5719767	NC_021167.1	Ca_kabuli_chr08	5719767	AA	CC	1940424843
SNP_P1_160057_5719777	NC_021167.1	Ca_kabuli_chr08	5719777	AA	TT	1940424844
SNP_P1_160058_5719783	NC_021167.1	Ca_kabuli_chr08	5719783	TT	CC	1940424845
SNP_P1_160059_5719784	NC_021167.1	Ca_kabuli_chr08	5719784	AA	TT	1940424846
SNP_P1_160060_5719785	NC_021167.1	Ca_kabuli_chr08	5719785	AA	GG	1940424847
SNP_P1_160061_5719978	NC_021167.1	Ca_kabuli_chr08	5719978	GG	CC	1940424848
SNP_P1_160062_5719981	NC_021167.1	Ca_kabuli_chr08	5719981	GG	AA	1940424849
SNP_P1_160063_5720033	NC_021167.1	Ca_kabuli_chr08	5720033	CC	TT	1940424850
SNP_P1_160064_5720037	NC_021167.1	Ca_kabuli_chr08	5720037	CC	TT	1940424851
SNP_P1_160065_5720092	NC_021167.1	Ca_kabuli_chr08	5720092	AA	GG	1940424852
SNP_P1_160066_5720101	NC_021167.1	Ca_kabuli_chr08	5720101	GG	AA	1940424853
SNP_P1_160067_5720118	NC_021167.1	Ca_kabuli_chr08	5720118	TT	AA	1940424854
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SNP_P1_160069_5720149	NC_021167.1	Ca_kabuli_chr08	5720149	CC	TT	1940424856
SNP_P1_160070_5724683	NC_021167.1	Ca_kabuli_chr08	5724683	TT	AA	1940424857
SNP_P1_160071_5733076	NC_021167.1	Ca_kabuli_chr08	5733076	CC	TT	1940424858
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SNP_P1_160073_5736741	NC_021167.1	Ca_kabuli_chr08	5736741	TT	CC	1940424860
SNP_P1_160074_5790937	NC_021167.1	Ca_kabuli_chr08	5790937	CC	TT	1940424861
SNP_P1_160075_5799253	NC_021167.1	Ca_kabuli_chr08	5799253	AA	CC	1940424862
SNP_P1_160076_5849587	NC_021167.1	Ca_kabuli_chr08	5849587	CC	TT	1940424863
SNP_P1_160078_5878891	NC_021167.1	Ca_kabuli_chr08	5878891	CC	TT	1940424864
SNP_P1_160079_5878933	NC_021167.1	Ca_kabuli_chr08	5878933	GG	AA	1940424865
SNP_P1_160080_5879022	NC_021167.1	Ca_kabuli_chr08	5879022	GG	AA	1940424866
SNP_P1_160081_5879126	NC_021167.1	Ca_kabuli_chr08	5879126	AA	GG	1940424867
SNP_P1_160082_5879574	NC_021167.1	Ca_kabuli_chr08	5879574	AA	CC	1940424868
SNP_P1_160083_5887919	NC_021167.1	Ca_kabuli_chr08	5887919	CC	TT	1940424869
SNP_P1_160084_5925420	NC_021167.1	Ca_kabuli_chr08	5925420	CC	TT	1940424870
SNP_P1_160085_5926399	NC_021167.1	Ca_kabuli_chr08	5926399	CC	TT	1940424871
SNP_P1_160086_5944256	NC_021167.1	Ca_kabuli_chr08	5944256	CC	GG	1940424872
SNP_P1_160087_5945941	NC_021167.1	Ca_kabuli_chr08	5945941	GG	AA	1940424873
SNP_P1_160089_5963342	NC_021167.1	Ca_kabuli_chr08	5963342	AA	GG	1940424874
SNP_P1_160090_5968735	NC_021167.1	Ca_kabuli_chr08	5968735	TT	CC	1940424875
SNP_P1_160091_5968761	NC_021167.1	Ca_kabuli_chr08	5968761	GG	AA	1940424876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160094_6013907	NC_021167.1	Ca_kabuli_chr08	6013907	TT	CC	1940424879
SNP_P1_160095_6014162	NC_021167.1	Ca_kabuli_chr08	6014162	TT	CC	1940424880
SNP_P1_160096_6017395	NC_021167.1	Ca_kabuli_chr08	6017395	GG	AA	1940424881
SNP_P1_160098_6036024	NC_021167.1	Ca_kabuli_chr08	6036024	TT	CC	1940424882
SNP_P1_160100_6036205	NC_021167.1	Ca_kabuli_chr08	6036205	TT	CC	1940424883
SNP_P1_160101_6052326	NC_021167.1	Ca_kabuli_chr08	6052326	CC	AA	1940424884
SNP_P1_160102_6054672	NC_021167.1	Ca_kabuli_chr08	6054672	AA	CC	1940424885
SNP_P1_160103_6054674	NC_021167.1	Ca_kabuli_chr08	6054674	GG	AA	1940424886
SNP_P1_160104_6056125	NC_021167.1	Ca_kabuli_chr08	6056125	CC	TT	1940424887
SNP_P1_160105_6056214	NC_021167.1	Ca_kabuli_chr08	6056214	TT	GG	1940424888
SNP_P1_160106_6056427	NC_021167.1	Ca_kabuli_chr08	6056427	TT	GG	1940424889
SNP_P1_160107_6056450	NC_021167.1	Ca_kabuli_chr08	6056450	AA	GG	1940424890
SNP_P1_160108_6056487	NC_021167.1	Ca_kabuli_chr08	6056487	TT	CC	1940424891
SNP_P1_160109_6056496	NC_021167.1	Ca_kabuli_chr08	6056496	TT	CC	1940424892
SNP_P1_160111_6056626	NC_021167.1	Ca_kabuli_chr08	6056626	AA	GG	1940424893
SNP_P1_160112_6066992	NC_021167.1	Ca_kabuli_chr08	6066992	GG	TT	1940424894
SNP_P1_160113_6076002	NC_021167.1	Ca_kabuli_chr08	6076002	CC	AA	1940424895
SNP_P1_160114_6082364	NC_021167.1	Ca_kabuli_chr08	6082364	GG	AA	1940424896
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SNP_P1_160118_6086867	NC_021167.1	Ca_kabuli_chr08	6086867	GG	AA	1940424900
SNP_P1_160119_6086921	NC_021167.1	Ca_kabuli_chr08	6086921	AA	GG	1940424901
SNP_P1_160120_6087236	NC_021167.1	Ca_kabuli_chr08	6087236	CC	TT	1940424902
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SNP_P1_160122_6087593	NC_021167.1	Ca_kabuli_chr08	6087593	CC	AA	1940424904
SNP_P1_160123_6087639	NC_021167.1	Ca_kabuli_chr08	6087639	TT	AA	1940424905
SNP_P1_160124_6087664	NC_021167.1	Ca_kabuli_chr08	6087664	AA	GG	1940424906
SNP_P1_160125_6087967	NC_021167.1	Ca_kabuli_chr08	6087967	TT	GG	1940424907
SNP_P1_160126_6088049	NC_021167.1	Ca_kabuli_chr08	6088049	TT	CC	1940424908
SNP_P1_160127_6088362	NC_021167.1	Ca_kabuli_chr08	6088362	CC	TT	1940424909
SNP_P1_160128_6094768	NC_021167.1	Ca_kabuli_chr08	6094768	AA	GG	1940424910
SNP_P1_160129_6098399	NC_021167.1	Ca_kabuli_chr08	6098399	AA	CC	1940424911
SNP_P1_160130_6098400	NC_021167.1	Ca_kabuli_chr08	6098400	AA	CC	1940424912
SNP_P1_160132_6109658	NC_021167.1	Ca_kabuli_chr08	6109658	GG	AA	1940424913
SNP_P1_160133_6109972	NC_021167.1	Ca_kabuli_chr08	6109972	TT	CC	1940424914
SNP_P1_160135_6128055	NC_021167.1	Ca_kabuli_chr08	6128055	GG	AA	1940424915
SNP_P1_160136_6128984	NC_021167.1	Ca_kabuli_chr08	6128984	AA	GG	1940424916
SNP_P1_160137_6129406	NC_021167.1	Ca_kabuli_chr08	6129406	AA	GG	1940424917
SNP_P1_160138_6129693	NC_021167.1	Ca_kabuli_chr08	6129693	AA	CC	1940424918

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160140_6132595	NC_021167.1	Ca_kabuli_chr08	6132595	AA	TT	1940424920
SNP_P1_160141_6132597	NC_021167.1	Ca_kabuli_chr08	6132597	AA	TT	1940424921
SNP_P1_160142_6142308	NC_021167.1	Ca_kabuli_chr08	6142308	CC	AA	1940424922
SNP_P1_160143_6156882	NC_021167.1	Ca_kabuli_chr08	6156882	AA	GG	1940424923
SNP_P1_160145_6198477	NC_021167.1	Ca_kabuli_chr08	6198477	CC	TT	1940424924
SNP_P1_160146_6198505	NC_021167.1	Ca_kabuli_chr08	6198505	CC	TT	1940424925
SNP_P1_160147_6248937	NC_021167.1	Ca_kabuli_chr08	6248937	CC	AA	1940424926
SNP_P1_160150_6279718	NC_021167.1	Ca_kabuli_chr08	6279718	CC	TT	1940424927
SNP_P1_160151_6280122	NC_021167.1	Ca_kabuli_chr08	6280122	GG	AA	1940424928
SNP_P1_160152_6281461	NC_021167.1	Ca_kabuli_chr08	6281461	CC	TT	1940424929
SNP_P1_160153_6301111	NC_021167.1	Ca_kabuli_chr08	6301111	GG	AA	1940424930
SNP_P1_160154_6301121	NC_021167.1	Ca_kabuli_chr08	6301121	AA	GG	1940424931
SNP_P1_160155_6301413	NC_021167.1	Ca_kabuli_chr08	6301413	GG	TT	1940424932
SNP_P1_160156_6301822	NC_021167.1	Ca_kabuli_chr08	6301822	CC	TT	1940424933
SNP_P1_160157_6307055	NC_021167.1	Ca_kabuli_chr08	6307055	AA	CC	1940424934
SNP_P1_160158_6307062	NC_021167.1	Ca_kabuli_chr08	6307062	GG	AA	1940424935
SNP_P1_160160_6307197	NC_021167.1	Ca_kabuli_chr08	6307197	CC	TT	1940424936
SNP_P1_160161_6307211	NC_021167.1	Ca_kabuli_chr08	6307211	TT	AA	1940424937
SNP_P1_160162_6307283	NC_021167.1	Ca_kabuli_chr08	6307283	TT	CC	1940424938
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SNP_P1_160164_6307375	NC_021167.1	Ca_kabuli_chr08	6307375	TT	AA	1940424940
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SNP_P1_160166_6307426	NC_021167.1	Ca_kabuli_chr08	6307426	TT	CC	1940424942
SNP_P1_160167_6307460	NC_021167.1	Ca_kabuli_chr08	6307460	GG	AA	1940424943
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SNP_P1_160170_6330284	NC_021167.1	Ca_kabuli_chr08	6330284	GG	AA	1940424946
SNP_P1_160171_6330288	NC_021167.1	Ca_kabuli_chr08	6330288	CC	TT	1940424948
SNP_P1_160172_6343421	NC_021167.1	Ca_kabuli_chr08	6343421	GG	AA	1940424949
SNP_P1_160173_6359395	NC_021167.1	Ca_kabuli_chr08	6359395	GG	AA	1940424950
SNP_P1_160174_6364306	NC_021167.1	Ca_kabuli_chr08	6364306	CC	TT	1940424951
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SNP_P1_160176_6373324	NC_021167.1	Ca_kabuli_chr08	6373324	CC	GG	1940424953
SNP_P1_160177_6383028	NC_021167.1	Ca_kabuli_chr08	6383028	AA	GG	1940424954
SNP_P1_160178_6389806	NC_021167.1	Ca_kabuli_chr08	6389806	AA	GG	1940424955
SNP_P1_160179_6397407	NC_021167.1	Ca_kabuli_chr08	6397407	GG	AA	1940424956
SNP_P1_160180_6408395	NC_021167.1	Ca_kabuli_chr08	6408395	TT	AA	1940424957
SNP_P1_160182_6420708	NC_021167.1	Ca_kabuli_chr08	6420708	CC	TT	1940424958
SNP_P1_160183_6422465	NC_021167.1	Ca_kabuli_chr08	6422465	AA	GG	1940424959
SNP_P1_160184_6431979	NC_021167.1	Ca_kabuli_chr08	6431979	GG	TT	1940424960
SNP_P1_160185_6444604	NC_021167.1	Ca_kabuli_chr08	6444604	CC	TT	1940424961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160187_6449642	NC_021167.1	Ca_kabuli_chr08	6449642	CC	AA	1940424963
SNP_P1_160188_6466093	NC_021167.1	Ca_kabuli_chr08	6466093	AA	TT	1940424964
SNP_P1_160189_6467990	NC_021167.1	Ca_kabuli_chr08	6467990	GG	AA	1940424965
SNP_P1_160190_6471103	NC_021167.1	Ca_kabuli_chr08	6471103	GG	AA	1940424966
SNP_P1_160192_6492087	NC_021167.1	Ca_kabuli_chr08	6492087	TT	GG	1940424967
SNP_P1_160193_6492381	NC_021167.1	Ca_kabuli_chr08	6492381	CC	TT	1940424968
SNP_P1_160195_6492558	NC_021167.1	Ca_kabuli_chr08	6492558	TT	AA	1940424969
SNP_P1_160197_6492640	NC_021167.1	Ca_kabuli_chr08	6492640	CC	TT	1940424970
SNP_P1_160198_6492679	NC_021167.1	Ca_kabuli_chr08	6492679	CC	TT	1940424971
SNP_P1_160200_6492771	NC_021167.1	Ca_kabuli_chr08	6492771	AA	GG	1940424972
SNP_P1_160201_6492900	NC_021167.1	Ca_kabuli_chr08	6492900	GG	AA	1940424973
SNP_P1_160202_6492902	NC_021167.1	Ca_kabuli_chr08	6492902	AA	TT	1940424974
SNP_P1_160203_6492934	NC_021167.1	Ca_kabuli_chr08	6492934	AA	CC	1940424975
SNP_P1_160204_6493025	NC_021167.1	Ca_kabuli_chr08	6493025	AA	GG	1940424976
SNP_P1_160205_6493146	NC_021167.1	Ca_kabuli_chr08	6493146	TT	AA	1940424977
SNP_P1_160206_6493207	NC_021167.1	Ca_kabuli_chr08	6493207	CC	TT	1940424978
SNP_P1_160207_6493236	NC_021167.1	Ca_kabuli_chr08	6493236	CC	AA	1940424979
SNP_P1_160208_6493272	NC_021167.1	Ca_kabuli_chr08	6493272	CC	TT	1940424980
SNP_P1_160209_6493303	NC_021167.1	Ca_kabuli_chr08	6493303	AA	GG	1940424981
SNP_P1_160210_6493307	NC_021167.1	Ca_kabuli_chr08	6493307	AA	TT	1940424982
SNP_P1_160212_6493408	NC_021167.1	Ca_kabuli_chr08	6493408	GG	CC	1940424983
SNP_P1_160213_6493411	NC_021167.1	Ca_kabuli_chr08	6493411	GG	AA	1940424984
SNP_P1_160214_6493412	NC_021167.1	Ca_kabuli_chr08	6493412	AA	CC	1940424985
SNP_P1_160215_6493415	NC_021167.1	Ca_kabuli_chr08	6493415	GG	AA	1940424986
SNP_P1_160216_6493442	NC_021167.1	Ca_kabuli_chr08	6493442	CC	TT	1940424987
SNP_P1_160217_6493444	NC_021167.1	Ca_kabuli_chr08	6493444	AA	GG	1940424988
SNP_P1_160218_6493461	NC_021167.1	Ca_kabuli_chr08	6493461	CC	TT	1940424989
SNP_P1_160219_6519105	NC_021167.1	Ca_kabuli_chr08	6519105	CC	TT	1940424990
SNP_P1_160220_6527640	NC_021167.1	Ca_kabuli_chr08	6527640	CC	TT	1940424991
SNP_P1_160221_6530834	NC_021167.1	Ca_kabuli_chr08	6530834	CC	TT	1940424992
SNP_P1_160222_6532252	NC_021167.1	Ca_kabuli_chr08	6532252	TT	AA	1940424993
SNP_P1_160225_6545733	NC_021167.1	Ca_kabuli_chr08	6545733	TT	CC	1940424994
SNP_P1_160226_6577068	NC_021167.1	Ca_kabuli_chr08	6577068	AA	GG	1940424995
SNP_P1_160227_6590224	NC_021167.1	Ca_kabuli_chr08	6590224	AA	GG	1940424996
SNP_P1_160230_6619795	NC_021167.1	Ca_kabuli_chr08	6619795	TT	CC	1940424997
SNP_P1_160231_6621402	NC_021167.1	Ca_kabuli_chr08	6621402	GG	AA	1940424998
SNP_P1_160232_6635548	NC_021167.1	Ca_kabuli_chr08	6635548	GG	AA	1940424999
SNP_P1_160233_6636831	NC_021167.1	Ca_kabuli_chr08	6636831	GG	AA	1940425000
SNP_P1_160234_6665269	NC_021167.1	Ca_kabuli_chr08	6665269	CC	AA	1940425001
SNP_P1_160235_6680468	NC_021167.1	Ca_kabuli_chr08	6680468	GG	TT	1940425002
SNP_P1_160237_6729458	NC_021167.1	Ca_kabuli_chr08	6729458	CC	TT	1940425003

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160243_6788947	NC_021167.1	Ca_kabuli_chr08	6788947	GG	CC	1940425005
SNP_P1_160245_6805116	NC_021167.1	Ca_kabuli_chr08	6805116	TT	GG	1940425006
SNP_P1_160246_6805117	NC_021167.1	Ca_kabuli_chr08	6805117	TT	AA	1940425007
SNP_P1_160247_6816103	NC_021167.1	Ca_kabuli_chr08	6816103	CC	TT	1940425008
SNP_P1_160248_6833228	NC_021167.1	Ca_kabuli_chr08	6833228	AA	TT	1940425009
SNP_P1_160249_6850176	NC_021167.1	Ca_kabuli_chr08	6850176	TT	CC	1940425010
SNP_P1_160250_6850188	NC_021167.1	Ca_kabuli_chr08	6850188	TT	CC	1940425011
SNP_P1_160251_6850240	NC_021167.1	Ca_kabuli_chr08	6850240	AA	TT	1940425012
SNP_P1_160253_6851546	NC_021167.1	Ca_kabuli_chr08	6851546	GG	TT	1940425013
SNP_P1_160254_6851822	NC_021167.1	Ca_kabuli_chr08	6851822	AA	CC	1940425014
SNP_P1_160255_6859423	NC_021167.1	Ca_kabuli_chr08	6859423	TT	CC	1940425015
SNP_P1_160256_6862986	NC_021167.1	Ca_kabuli_chr08	6862986	AA	GG	1940425016
SNP_P1_160258_6874972	NC_021167.1	Ca_kabuli_chr08	6874972	GG	AA	1940425017
SNP_P1_160259_6878488	NC_021167.1	Ca_kabuli_chr08	6878488	TT	CC	1940425018
SNP_P1_160260_6890837	NC_021167.1	Ca_kabuli_chr08	6890837	GG	AA	1940425019
SNP_P1_160261_6895534	NC_021167.1	Ca_kabuli_chr08	6895534	CC	AA	1940425020
SNP_P1_160262_6907817	NC_021167.1	Ca_kabuli_chr08	6907817	AA	TT	1940425021
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SNP_P1_160268_7022864	NC_021167.1	Ca_kabuli_chr08	7022864	TT	AA	1940425026
SNP_P1_160269_7030370	NC_021167.1	Ca_kabuli_chr08	7030370	TT	AA	1940425027
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SNP_P1_160278_7133653	NC_021167.1	Ca_kabuli_chr08	7133653	TT	AA	1940425033
SNP_P1_160279_7133686	NC_021167.1	Ca_kabuli_chr08	7133686	AA	GG	1940425034
SNP_P1_160280_7149044	NC_021167.1	Ca_kabuli_chr08	7149044	AA	GG	1940425035
SNP_P1_160281_7155393	NC_021167.1	Ca_kabuli_chr08	7155393	AA	GG	1940425036
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SNP_P1_160284_7155553	NC_021167.1	Ca_kabuli_chr08	7155553	CC	TT	1940425039
SNP_P1_160285_7155687	NC_021167.1	Ca_kabuli_chr08	7155687	TT	GG	1940425040
SNP_P1_160286_7155809	NC_021167.1	Ca_kabuli_chr08	7155809	AA	GG	1940425041
SNP_P1_160287_7155831	NC_021167.1	Ca_kabuli_chr08	7155831	TT	CC	1940425042
SNP_P1_160288_7155928	NC_021167.1	Ca_kabuli_chr08	7155928	GG	TT	1940425043
SNP_P1_160290_7155994	NC_021167.1	Ca_kabuli_chr08	7155994	GG	AA	1940425044
SNP_P1_160291_7156104	NC_021167.1	Ca_kabuli_chr08	7156104	TT	CC	1940425045

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160294_7180844	NC_021167.1	Ca_kabuli_chr08	7180844	AA	GG	1940425048
SNP_P1_160296_7221696	NC_021167.1	Ca_kabuli_chr08	7221696	TT	CC	1940425049
SNP_P1_160297_7221698	NC_021167.1	Ca_kabuli_chr08	7221698	AA	CC	1940425050
SNP_P1_160298_7256677	NC_021167.1	Ca_kabuli_chr08	7256677	AA	CC	1940425051
SNP_P1_160299_7285367	NC_021167.1	Ca_kabuli_chr08	7285367	AA	GG	1940425052
SNP_P1_160303_7294936	NC_021167.1	Ca_kabuli_chr08	7294936	AA	GG	1940425053
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SNP_P1_160306_7303681	NC_021167.1	Ca_kabuli_chr08	7303681	AA	TT	1940425056
SNP_P1_160307_7319029	NC_021167.1	Ca_kabuli_chr08	7319029	GG	AA	1940425057
SNP_P1_160309_7333115	NC_021167.1	Ca_kabuli_chr08	7333115	TT	AA	1940425058
SNP_P1_160310_7344122	NC_021167.1	Ca_kabuli_chr08	7344122	AA	CC	1940425059
SNP_P1_160311_7344382	NC_021167.1	Ca_kabuli_chr08	7344382	TT	CC	1940425060
SNP_P1_160312_7344634	NC_021167.1	Ca_kabuli_chr08	7344634	TT	CC	1940425061
SNP_P1_160313_7344989	NC_021167.1	Ca_kabuli_chr08	7344989	AA	GG	1940425062
SNP_P1_160315_7350303	NC_021167.1	Ca_kabuli_chr08	7350303	TT	GG	1940425063
SNP_P1_160316_7361828	NC_021167.1	Ca_kabuli_chr08	7361828	CC	TT	1940425064
SNP_P1_160317_7368904	NC_021167.1	Ca_kabuli_chr08	7368904	TT	CC	1940425065
SNP_P1_160318_7429784	NC_021167.1	Ca_kabuli_chr08	7429784	TT	AA	1940425066
SNP_P1_160319_7448800	NC_021167.1	Ca_kabuli_chr08	7448800	AA	GG	1940425067
SNP_P1_160320_7448801	NC_021167.1	Ca_kabuli_chr08	7448801	GG	AA	1940425068
SNP_P1_160321_7471484	NC_021167.1	Ca_kabuli_chr08	7471484	AA	GG	1940425069
SNP_P1_160322_7473156	NC_021167.1	Ca_kabuli_chr08	7473156	AA	CC	1940425070
SNP_P1_160323_7473158	NC_021167.1	Ca_kabuli_chr08	7473158	AA	CC	1940425071
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SNP_P1_160326_7524404	NC_021167.1	Ca_kabuli_chr08	7524404	AA	CC	1940425074
SNP_P1_160327_7563385	NC_021167.1	Ca_kabuli_chr08	7563385	GG	TT	1940425075
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SNP_P1_160330_7563620	NC_021167.1	Ca_kabuli_chr08	7563620	GG	AA	1940425078
SNP_P1_160331_7563621	NC_021167.1	Ca_kabuli_chr08	7563621	TT	AA	1940425079
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SNP_P1_160336_7563737	NC_021167.1	Ca_kabuli_chr08	7563737	AA	GG	1940425084
SNP_P1_160337_7564295	NC_021167.1	Ca_kabuli_chr08	7564295	TT	CC	1940425085
SNP_P1_160339_7632472	NC_021167.1	Ca_kabuli_chr08	7632472	CC	TT	1940425086
SNP_P1_160340_7650048	NC_021167.1	Ca_kabuli_chr08	7650048	AA	GG	1940425087

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160342_7651651	NC_021167.1	Ca_kabuli_chr08	7651651	AA	TT	1940425089
SNP_P1_160343_7653750	NC_021167.1	Ca_kabuli_chr08	7653750	TT	AA	1940425090
SNP_P1_160344_7653769	NC_021167.1	Ca_kabuli_chr08	7653769	GG	AA	1940425091
SNP_P1_160345_7680028	NC_021167.1	Ca_kabuli_chr08	7680028	AA	GG	1940425092
SNP_P1_160346_7723591	NC_021167.1	Ca_kabuli_chr08	7723591	CC	TT	1940425093
SNP_P1_160347_7733813	NC_021167.1	Ca_kabuli_chr08	7733813	CC	TT	1940425094
SNP_P1_160349_7749874	NC_021167.1	Ca_kabuli_chr08	7749874	TT	CC	1940425096
SNP_P1_160350_7775331	NC_021167.1	Ca_kabuli_chr08	7775331	AA	TT	1940425097
SNP_P1_160351_7775336	NC_021167.1	Ca_kabuli_chr08	7775336	GG	AA	1940425098
SNP_P1_160352_7775357	NC_021167.1	Ca_kabuli_chr08	7775357	GG	CC	1940425099
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SNP_P1_160372_7777195	NC_021167.1	Ca_kabuli_chr08	7777195	TT	CC	1940425119
SNP_P1_160373_7777312	NC_021167.1	Ca_kabuli_chr08	7777312	AA	CC	1940425120
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SNP_P1_160378_7777547	NC_021167.1	Ca_kabuli_chr08	7777547	GG	TT	1940425124
SNP_P1_160379_7777575	NC_021167.1	Ca_kabuli_chr08	7777575	GG	AA	1940425125
SNP_P1_160380_7777641	NC_021167.1	Ca_kabuli_chr08	7777641	AA	CC	1940425126
SNP_P1_160382_7777741	NC_021167.1	Ca_kabuli_chr08	7777741	GG	CC	1940425127
SNP_P1_160383_7777749	NC_021167.1	Ca_kabuli_chr08	7777749	GG	CC	1940425128
SNP_P1_160384_7777920	NC_021167.1	Ca_kabuli_chr08	7777920	CC	TT	1940425129
SNP_P1_160385_7777971	NC_021167.1	Ca_kabuli_chr08	7777971	GG	CC	1940425130

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160388_7778090	NC_021167.1	Ca_kabuli_chr08	7778090	CC	GG	1940425133
SNP_P1_160389_7778124	NC_021167.1	Ca_kabuli_chr08	7778124	AA	GG	1940425134
SNP_P1_160391_7802467	NC_021167.1	Ca_kabuli_chr08	7802467	CC	TT	1940425135
SNP_P1_160392_7802500	NC_021167.1	Ca_kabuli_chr08	7802500	TT	CC	1940425136
SNP_P1_160393_7802649	NC_021167.1	Ca_kabuli_chr08	7802649	TT	GG	1940425137
SNP_P1_160394_7802681	NC_021167.1	Ca_kabuli_chr08	7802681	TT	CC	1940425138
SNP_P1_160395_7802902	NC_021167.1	Ca_kabuli_chr08	7802902	CC	TT	1940425139
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SNP_P1_160412_7895833	NC_021167.1	Ca_kabuli_chr08	7895833	TT	CC	1940425153
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SNP_P1_160415_7895999	NC_021167.1	Ca_kabuli_chr08	7895999	AA	TT	1940425156
SNP_P1_160416_7896042	NC_021167.1	Ca_kabuli_chr08	7896042	GG	AA	1940425157
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SNP_P1_160418_7896049	NC_021167.1	Ca_kabuli_chr08	7896049	AA	GG	1940425159
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SNP_P1_160420_7896293	NC_021167.1	Ca_kabuli_chr08	7896293	CC	TT	1940425161
SNP_P1_160421_7896312	NC_021167.1	Ca_kabuli_chr08	7896312	TT	CC	1940425162
SNP_P1_160422_7896320	NC_021167.1	Ca_kabuli_chr08	7896320	AA	GG	1940425163
SNP_P1_160423_7896332	NC_021167.1	Ca_kabuli_chr08	7896332	GG	AA	1940425164
SNP_P1_160424_7896398	NC_021167.1	Ca_kabuli_chr08	7896398	TT	GG	1940425165
SNP_P1_160425_7896415	NC_021167.1	Ca_kabuli_chr08	7896415	TT	CC	1940425166
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SNP_P1_160429_7896496	NC_021167.1	Ca_kabuli_chr08	7896496	GG	TT	1940425169
SNP_P1_160430_7896510	NC_021167.1	Ca_kabuli_chr08	7896510	GG	CC	1940425170
SNP_P1_160431_7896514	NC_021167.1	Ca_kabuli_chr08	7896514	TT	CC	1940425171
SNP_P1_160432_7896534	NC_021167.1	Ca_kabuli_chr08	7896534	TT	GG	1940425172

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160435_7896605	NC_021167.1	Ca_kabuli_chr08	7896605	GG	AA	1940425175
SNP_P1_160436_7896696	NC_021167.1	Ca_kabuli_chr08	7896696	AA	TT	1940425176
SNP_P1_160437_7896958	NC_021167.1	Ca_kabuli_chr08	7896958	GG	AA	1940425177
SNP_P1_160438_7900499	NC_021167.1	Ca_kabuli_chr08	7900499	GG	TT	1940425178
SNP_P1_160439_7900650	NC_021167.1	Ca_kabuli_chr08	7900650	GG	AA	1940425179
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SNP_P1_160460_7927213	NC_021167.1	Ca_kabuli_chr08	7927213	GG	AA	1940425197
SNP_P1_160462_7927527	NC_021167.1	Ca_kabuli_chr08	7927527	AA	GG	1940425198
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SNP_P1_160466_7927695	NC_021167.1	Ca_kabuli_chr08	7927695	CC	GG	1940425200
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SNP_P1_160468_7927730	NC_021167.1	Ca_kabuli_chr08	7927730	AA	TT	1940425202
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SNP_P1_160470_7927931	NC_021167.1	Ca_kabuli_chr08	7927931	TT	AA	1940425204
SNP_P1_160471_7936051	NC_021167.1	Ca_kabuli_chr08	7936051	CC	TT	1940425205
SNP_P1_160472_7937601	NC_021167.1	Ca_kabuli_chr08	7937601	GG	TT	1940425206
SNP_P1_160473_7937621	NC_021167.1	Ca_kabuli_chr08	7937621	AA	GG	1940425207
SNP_P1_160474_7937636	NC_021167.1	Ca_kabuli_chr08	7937636	AA	CC	1940425208
SNP_P1_160475_7937655	NC_021167.1	Ca_kabuli_chr08	7937655	TT	CC	1940425209
SNP_P1_160476_7937704	NC_021167.1	Ca_kabuli_chr08	7937704	GG	AA	1940425210
SNP_P1_160477_7937708	NC_021167.1	Ca_kabuli_chr08	7937708	AA	CC	1940425211
SNP_P1_160478_7937763	NC_021167.1	Ca_kabuli_chr08	7937763	AA	TT	1940425212
SNP_P1_160479_7937771	NC_021167.1	Ca_kabuli_chr08	7937771	TT	CC	1940425213
SNP_P1_160480_7937774	NC_021167.1	Ca_kabuli_chr08	7937774	AA	GG	1940425214

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160485_7937907	NC_021167.1	Ca_kabuli_chr08	7937907	GG	AA	1940425219
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SNP_P1_160514_7948305	NC_021167.1	Ca_kabuli_chr08	7948305	AA	TT	1940425245
SNP_P1_160515_7948311	NC_021167.1	Ca_kabuli_chr08	7948311	GG	AA	1940425246
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SNP_P1_160518_7948766	NC_021167.1	Ca_kabuli_chr08	7948766	GG	AA	1940425250
SNP_P1_160519_7950248	NC_021167.1	Ca_kabuli_chr08	7950248	TT	AA	1940425251
SNP_P1_160520_7950275	NC_021167.1	Ca_kabuli_chr08	7950275	TT	GG	1940425252
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SNP_P1_160522_7950313	NC_021167.1	Ca_kabuli_chr08	7950313	AA	CC	1940425254
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SNP_P1_160524_7950427	NC_021167.1	Ca_kabuli_chr08	7950427	AA	GG	1940425256
SNP_P1_160525_7950430	NC_021167.1	Ca_kabuli_chr08	7950430	GG	CC	1940425257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160528_7950502	NC_021167.1	Ca_kabuli_chr08	7950502	CC	GG	1940425260
SNP_P1_160530_7950594	NC_021167.1	Ca_kabuli_chr08	7950594	CC	TT	1940425261
SNP_P1_160531_7950782	NC_021167.1	Ca_kabuli_chr08	7950782	AA	TT	1940425262
SNP_P1_160532_7950785	NC_021167.1	Ca_kabuli_chr08	7950785	AA	GG	1940425263
SNP_P1_160533_7950821	NC_021167.1	Ca_kabuli_chr08	7950821	CC	TT	1940425264
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SNP_P1_160537_7951190	NC_021167.1	Ca_kabuli_chr08	7951190	AA	GG	1940425268
SNP_P1_160538_7951234	NC_021167.1	Ca_kabuli_chr08	7951234	TT	AA	1940425269
SNP_P1_160539_7951383	NC_021167.1	Ca_kabuli_chr08	7951383	TT	CC	1940425270
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SNP_P1_160564_7952822	NC_021167.1	Ca_kabuli_chr08	7952822	AA	GG	1940425293
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SNP_P1_160570_7953020	NC_021167.1	Ca_kabuli_chr08	7953020	TT	CC	1940425299

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160574_7953116	NC_021167.1	Ca_kabuli_chr08	7953116	CC	TT	1940425302
SNP_P1_160575_7953157	NC_021167.1	Ca_kabuli_chr08	7953157	GG	AA	1940425303
SNP_P1_160576_7953268	NC_021167.1	Ca_kabuli_chr08	7953268	CC	TT	1940425304
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SNP_P1_160578_7953297	NC_021167.1	Ca_kabuli_chr08	7953297	AA	GG	1940425306
SNP_P1_160579_7953338	NC_021167.1	Ca_kabuli_chr08	7953338	GG	AA	1940425307
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SNP_P1_160581_7953455	NC_021167.1	Ca_kabuli_chr08	7953455	CC	TT	1940425309
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SNP_P1_160587_7953724	NC_021167.1	Ca_kabuli_chr08	7953724	GG	TT	1940425315
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SNP_P1_160613_7954718	NC_021167.1	Ca_kabuli_chr08	7954718	TT	AA	1940425337
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SNP_P1_160615_7954803	NC_021167.1	Ca_kabuli_chr08	7954803	CC	TT	1940425339
SNP_P1_160616_7954805	NC_021167.1	Ca_kabuli_chr08	7954805	AA	TT	1940425340
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160620_7954880	NC_021167.1	Ca_kabuli_chr08	7954880	CC	TT	1940425344
SNP_P1_160621_7954928	NC_021167.1	Ca_kabuli_chr08	7954928	AA	TT	1940425345
SNP_P1_160622_7954938	NC_021167.1	Ca_kabuli_chr08	7954938	CC	AA	1940425346
SNP_P1_160623_7954998	NC_021167.1	Ca_kabuli_chr08	7954998	TT	CC	1940425347
SNP_P1_160624_7955037	NC_021167.1	Ca_kabuli_chr08	7955037	GG	AA	1940425348
SNP_P1_160625_7955041	NC_021167.1	Ca_kabuli_chr08	7955041	GG	TT	1940425349
SNP_P1_160626_7955075	NC_021167.1	Ca_kabuli_chr08	7955075	AA	GG	1940425350
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SNP_P1_160664_8074704	NC_021167.1	Ca_kabuli_chr08	8074704	CC	AA	1940425382
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160669_8074745	NC_021167.1	Ca_kabuli_chr08	8074745	GG	AA	1940425387
SNP_P1_160670_8074783	NC_021167.1	Ca_kabuli_chr08	8074783	GG	AA	1940425388
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SNP_P1_160714_8247690	NC_021167.1	Ca_kabuli_chr08	8247690	GG	AA	1940425426

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_160715_8247705	NC_021167.1	Ca_kabuli_chr08	8247705	GG	TT	1940425427
SNP_P1_160716_8248003	NC_021167.1	Ca_kabuli_chr08	8248003	CC	AA	1940425428
SNP_P1_160717_8249883	NC_021167.1	Ca_kabuli_chr08	8249883	TT	CC	1940425429
SNP_P1_160718_8254532	NC_021167.1	Ca_kabuli_chr08	8254532	GG	CC	1940425430
SNP_P1_160719_8254542	NC_021167.1	Ca_kabuli_chr08	8254542	CC	TT	1940425431
SNP_P1_160720_8254575	NC_021167.1	Ca_kabuli_chr08	8254575	AA	GG	1940425432
SNP_P1_160721_8254596	NC_021167.1	Ca_kabuli_chr08	8254596	AA	GG	1940425433
SNP_P1_160722_8254601	NC_021167.1	Ca_kabuli_chr08	8254601	GG	AA	1940425434
SNP_P1_160723_8254706	NC_021167.1	Ca_kabuli_chr08	8254706	AA	GG	1940425435
SNP_P1_160724_8254712	NC_021167.1	Ca_kabuli_chr08	8254712	AA	GG	1940425436
SNP_P1_160725_8254751	NC_021167.1	Ca_kabuli_chr08	8254751	TT	GG	1940425437
SNP_P1_160726_8254799	NC_021167.1	Ca_kabuli_chr08	8254799	CC	TT	1940425438
SNP_P1_160727_8254891	NC_021167.1	Ca_kabuli_chr08	8254891	AA	GG	1940425439
SNP_P1_160728_8254908	NC_021167.1	Ca_kabuli_chr08	8254908	AA	CC	1940425440
SNP_P1_160729_8254954	NC_021167.1	Ca_kabuli_chr08	8254954	CC	GG	1940425441
SNP_P1_160730_8255062	NC_021167.1	Ca_kabuli_chr08	8255062	AA	TT	1940425442
SNP_P1_160731_8255068	NC_021167.1	Ca_kabuli_chr08	8255068	GG	CC	1940425443
SNP_P1_160732_8257926	NC_021167.1	Ca_kabuli_chr08	8257926	CC	TT	1940425444
SNP_P1_160733_8272709	NC_021167.1	Ca_kabuli_chr08	8272709	GG	CC	1940425445
SNP_P1_160734_8272755	NC_021167.1	Ca_kabuli_chr08	8272755	CC	TT	1940425446
SNP_P1_160735_8272866	NC_021167.1	Ca_kabuli_chr08	8272866	AA	GG	1940425447
SNP_P1_160737_8272929	NC_021167.1	Ca_kabuli_chr08	8272929	TT	CC	1940425448
SNP_P1_160738_8272934	NC_021167.1	Ca_kabuli_chr08	8272934	CC	TT	1940425449
SNP_P1_160739_8272973	NC_021167.1	Ca_kabuli_chr08	8272973	GG	TT	1940425450
SNP_P1_160740_8273022	NC_021167.1	Ca_kabuli_chr08	8273022	CC	AA	1940425451
SNP_P1_160741_8273057	NC_021167.1	Ca_kabuli_chr08	8273057	TT	AA	1940425452
SNP_P1_160742_8273075	NC_021167.1	Ca_kabuli_chr08	8273075	TT	CC	1940425453
SNP_P1_160744_8273168	NC_021167.1	Ca_kabuli_chr08	8273168	CC	TT	1940425454
SNP_P1_160745_8276303	NC_021167.1	Ca_kabuli_chr08	8276303	CC	TT	1940425455
SNP_P1_160746_8277294	NC_021167.1	Ca_kabuli_chr08	8277294	AA	GG	1940425456
SNP_P1_160747_8277310	NC_021167.1	Ca_kabuli_chr08	8277310	GG	AA	1940425457
SNP_P1_160748_8277386	NC_021167.1	Ca_kabuli_chr08	8277386	TT	CC	1940425458
SNP_P1_160749_8280493	NC_021167.1	Ca_kabuli_chr08	8280493	GG	AA	1940425459
SNP_P1_160750_8289022	NC_021167.1	Ca_kabuli_chr08	8289022	TT	AA	1940425460
SNP_P1_160751_8289045	NC_021167.1	Ca_kabuli_chr08	8289045	CC	GG	1940425461
SNP_P1_160752_8289060	NC_021167.1	Ca_kabuli_chr08	8289060	TT	CC	1940425462
SNP_P1_160753_8289174	NC_021167.1	Ca_kabuli_chr08	8289174	GG	CC	1940425463
SNP_P1_160754_8290038	NC_021167.1	Ca_kabuli_chr08	8290038	AA	GG	1940425464
SNP_P1_160755_8290039	NC_021167.1	Ca_kabuli_chr08	8290039	AA	CC	1940425465
SNP_P1_160762_8380187	NC_021167.1	Ca_kabuli_chr08	8380187	AA	GG	1940425466
SNP_P1_160763_8380197	NC_021167.1	Ca_kabuli_chr08	8380197	AA	CC	1940425467
SNP_P1_160764_8382652	NC_021167.1	Ca_kabuli_chr08	8382652	CC	TT	1940425468

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160766_8395535	NC_021167.1	Ca_kabuli_chr08	8395535	AA	CC	1940425470
SNP_P1_160767_8395568	NC_021167.1	Ca_kabuli_chr08	8395568	AA	TT	1940425471
SNP_P1_160768_8395604	NC_021167.1	Ca_kabuli_chr08	8395604	TT	CC	1940425472
SNP_P1_160769_8395657	NC_021167.1	Ca_kabuli_chr08	8395657	TT	GG	1940425473
SNP_P1_160770_8395668	NC_021167.1	Ca_kabuli_chr08	8395668	AA	CC	1940425474
SNP_P1_160771_8395669	NC_021167.1	Ca_kabuli_chr08	8395669	TT	CC	1940425475
SNP_P1_160772_8395682	NC_021167.1	Ca_kabuli_chr08	8395682	GG	AA	1940425476
SNP_P1_160773_8395732	NC_021167.1	Ca_kabuli_chr08	8395732	AA	CC	1940425477
SNP_P1_160774_8396241	NC_021167.1	Ca_kabuli_chr08	8396241	TT	CC	1940425478
SNP_P1_160775_8398225	NC_021167.1	Ca_kabuli_chr08	8398225	TT	AA	1940425479
SNP_P1_160776_8398289	NC_021167.1	Ca_kabuli_chr08	8398289	CC	GG	1940425480
SNP_P1_160777_8399041	NC_021167.1	Ca_kabuli_chr08	8399041	GG	AA	1940425481
SNP_P1_160778_8400915	NC_021167.1	Ca_kabuli_chr08	8400915	TT	GG	1940425482
SNP_P1_160779_8401306	NC_021167.1	Ca_kabuli_chr08	8401306	TT	AA	1940425483
SNP_P1_160780_8401394	NC_021167.1	Ca_kabuli_chr08	8401394	CC	TT	1940425484
SNP_P1_160781_8401431	NC_021167.1	Ca_kabuli_chr08	8401431	GG	AA	1940425485
SNP_P1_160782_8404543	NC_021167.1	Ca_kabuli_chr08	8404543	CC	TT	1940425486
SNP_P1_160783_8414452	NC_021167.1	Ca_kabuli_chr08	8414452	GG	AA	1940425487
SNP_P1_160786_8428000	NC_021167.1	Ca_kabuli_chr08	8428000	CC	TT	1940425488
SNP_P1_160787_8428049	NC_021167.1	Ca_kabuli_chr08	8428049	AA	CC	1940425489
SNP_P1_160788_8433517	NC_021167.1	Ca_kabuli_chr08	8433517	AA	TT	1940425490
SNP_P1_160790_8440463	NC_021167.1	Ca_kabuli_chr08	8440463	TT	CC	1940425491
SNP_P1_160793_8475652	NC_021167.1	Ca_kabuli_chr08	8475652	GG	AA	1940425492
SNP_P1_160794_8475653	NC_021167.1	Ca_kabuli_chr08	8475653	CC	TT	1940425493
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SNP_P1_160797_8490613	NC_021167.1	Ca_kabuli_chr08	8490613	TT	GG	1940425495
SNP_P1_160798_8492033	NC_021167.1	Ca_kabuli_chr08	8492033	TT	CC	1940425496
SNP_P1_160799_8501738	NC_021167.1	Ca_kabuli_chr08	8501738	GG	AA	1940425497
SNP_P1_160800_8508138	NC_021167.1	Ca_kabuli_chr08	8508138	CC	GG	1940425498
SNP_P1_160801_8536365	NC_021167.1	Ca_kabuli_chr08	8536365	AA	GG	1940425499
SNP_P1_160802_8546657	NC_021167.1	Ca_kabuli_chr08	8546657	AA	GG	1940425500
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SNP_P1_160806_8569589	NC_021167.1	Ca_kabuli_chr08	8569589	AA	GG	1940425502
SNP_P1_160807_8569595	NC_021167.1	Ca_kabuli_chr08	8569595	TT	GG	1940425503
SNP_P1_160808_8577438	NC_021167.1	Ca_kabuli_chr08	8577438	GG	AA	1940425504
SNP_P1_160809_8577701	NC_021167.1	Ca_kabuli_chr08	8577701	CC	AA	1940425505
SNP_P1_160810_8577705	NC_021167.1	Ca_kabuli_chr08	8577705	GG	AA	1940425506
SNP_P1_160811_8577730	NC_021167.1	Ca_kabuli_chr08	8577730	GG	AA	1940425507
SNP_P1_160812_8586246	NC_021167.1	Ca_kabuli_chr08	8586246	AA	GG	1940425508
SNP_P1_160813_8599523	NC_021167.1	Ca_kabuli_chr08	8599523	TT	AA	1940425509
SNP_P1_160814_8602885	NC_021167.1	Ca_kabuli_chr08	8602885	AA	CC	1940425510

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160816_8606402	NC_021167.1	Ca_kabuli_chr08	8606402	TT	CC	1940425512
SNP_P1_160817_8609138	NC_021167.1	Ca_kabuli_chr08	8609138	GG	AA	1940425513
SNP_P1_160818_8616375	NC_021167.1	Ca_kabuli_chr08	8616375	AA	GG	1940425514
SNP_P1_160819_8616608	NC_021167.1	Ca_kabuli_chr08	8616608	AA	GG	1940425515
SNP_P1_160820_8616617	NC_021167.1	Ca_kabuli_chr08	8616617	TT	CC	1940425516
SNP_P1_160821_8616632	NC_021167.1	Ca_kabuli_chr08	8616632	TT	GG	1940425517
SNP_P1_160822_8616634	NC_021167.1	Ca_kabuli_chr08	8616634	TT	CC	1940425518
SNP_P1_160823_8616650	NC_021167.1	Ca_kabuli_chr08	8616650	CC	GG	1940425519
SNP_P1_160824_8616863	NC_021167.1	Ca_kabuli_chr08	8616863	AA	GG	1940425520
SNP_P1_160829_8624641	NC_021167.1	Ca_kabuli_chr08	8624641	AA	GG	1940425521
SNP_P1_160830_8624646	NC_021167.1	Ca_kabuli_chr08	8624646	TT	AA	1940425522
SNP_P1_160831_8624779	NC_021167.1	Ca_kabuli_chr08	8624779	GG	TT	1940425523
SNP_P1_160833_8667855	NC_021167.1	Ca_kabuli_chr08	8667855	AA	GG	1940425524
SNP_P1_160834_8672039	NC_021167.1	Ca_kabuli_chr08	8672039	GG	AA	1940425525
SNP_P1_160835_8684189	NC_021167.1	Ca_kabuli_chr08	8684189	AA	GG	1940425526
SNP_P1_160836_8689935	NC_021167.1	Ca_kabuli_chr08	8689935	GG	AA	1940425527
SNP_P1_160837_8690082	NC_021167.1	Ca_kabuli_chr08	8690082	TT	CC	1940425528
SNP_P1_160838_8700600	NC_021167.1	Ca_kabuli_chr08	8700600	GG	AA	1940425529
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SNP_P1_160840_8701905	NC_021167.1	Ca_kabuli_chr08	8701905	AA	TT	1940425531
SNP_P1_160843_8726607	NC_021167.1	Ca_kabuli_chr08	8726607	CC	TT	1940425532
SNP_P1_160844_8736794	NC_021167.1	Ca_kabuli_chr08	8736794	TT	GG	1940425533
SNP_P1_160845_8747471	NC_021167.1	Ca_kabuli_chr08	8747471	CC	TT	1940425534
SNP_P1_160846_8748962	NC_021167.1	Ca_kabuli_chr08	8748962	AA	TT	1940425535
SNP_P1_160847_8748963	NC_021167.1	Ca_kabuli_chr08	8748963	TT	CC	1940425536
SNP_P1_160848_8750549	NC_021167.1	Ca_kabuli_chr08	8750549	AA	TT	1940425537
SNP_P1_160849_8750557	NC_021167.1	Ca_kabuli_chr08	8750557	CC	TT	1940425538
SNP_P1_160850_8750558	NC_021167.1	Ca_kabuli_chr08	8750558	GG	CC	1940425539
SNP_P1_160852_8773979	NC_021167.1	Ca_kabuli_chr08	8773979	GG	TT	1940425540
SNP_P1_160853_8773994	NC_021167.1	Ca_kabuli_chr08	8773994	AA	GG	1940425541
SNP_P1_160854_8774033	NC_021167.1	Ca_kabuli_chr08	8774033	AA	TT	1940425542
SNP_P1_160855_8774046	NC_021167.1	Ca_kabuli_chr08	8774046	GG	AA	1940425543
SNP_P1_160857_8774227	NC_021167.1	Ca_kabuli_chr08	8774227	TT	AA	1940425544
SNP_P1_160858_8774313	NC_021167.1	Ca_kabuli_chr08	8774313	CC	TT	1940425546
SNP_P1_160860_8782413	NC_021167.1	Ca_kabuli_chr08	8782413	CC	TT	1940425547
SNP_P1_160861_8784215	NC_021167.1	Ca_kabuli_chr08	8784215	CC	TT	1940425548
SNP_P1_160862_8787756	NC_021167.1	Ca_kabuli_chr08	8787756	GG	AA	1940425549
SNP_P1_160863_8797007	NC_021167.1	Ca_kabuli_chr08	8797007	TT	AA	1940425550
SNP_P1_160864_8797009	NC_021167.1	Ca_kabuli_chr08	8797009	GG	TT	1940425551
SNP_P1_160866_8820911	NC_021167.1	Ca_kabuli_chr08	8820911	CC	GG	1940425552
SNP_P1_160867_8823786	NC_021167.1	Ca_kabuli_chr08	8823786	GG	AA	1940425553

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160870_8832565	NC_021167.1	Ca_kabuli_chr08	8832565	TT	CC	1940425555
SNP_P1_160871_8833494	NC_021167.1	Ca_kabuli_chr08	8833494	CC	TT	1940425556
SNP_P1_160872_8834171	NC_021167.1	Ca_kabuli_chr08	8834171	GG	AA	1940425557
SNP_P1_160873_8835822	NC_021167.1	Ca_kabuli_chr08	8835822	TT	CC	1940425558
SNP_P1_160874_8835882	NC_021167.1	Ca_kabuli_chr08	8835882	TT	CC	1940425559
SNP_P1_160876_8835979	NC_021167.1	Ca_kabuli_chr08	8835979	CC	TT	1940425560
SNP_P1_160877_8836632	NC_021167.1	Ca_kabuli_chr08	8836632	TT	CC	1940425561
SNP_P1_160878_8836684	NC_021167.1	Ca_kabuli_chr08	8836684	AA	TT	1940425562
SNP_P1_160879_8837143	NC_021167.1	Ca_kabuli_chr08	8837143	AA	GG	1940425563
SNP_P1_160880_8837145	NC_021167.1	Ca_kabuli_chr08	8837145	TT	GG	1940425564
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SNP_P1_160886_8845247	NC_021167.1	Ca_kabuli_chr08	8845247	TT	CC	1940425568
SNP_P1_160889_8846329	NC_021167.1	Ca_kabuli_chr08	8846329	TT	CC	1940425569
SNP_P1_160890_8848699	NC_021167.1	Ca_kabuli_chr08	8848699	AA	TT	1940425570
SNP_P1_160894_8849932	NC_021167.1	Ca_kabuli_chr08	8849932	TT	CC	1940425571
SNP_P1_160895_8849968	NC_021167.1	Ca_kabuli_chr08	8849968	AA	GG	1940425572
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SNP_P1_160897_8850129	NC_021167.1	Ca_kabuli_chr08	8850129	AA	GG	1940425574
SNP_P1_160898_8850374	NC_021167.1	Ca_kabuli_chr08	8850374	GG	CC	1940425575
SNP_P1_160899_8850384	NC_021167.1	Ca_kabuli_chr08	8850384	AA	CC	1940425576
SNP_P1_160900_8850402	NC_021167.1	Ca_kabuli_chr08	8850402	TT	CC	1940425577
SNP_P1_160903_8851516	NC_021167.1	Ca_kabuli_chr08	8851516	CC	TT	1940425578
SNP_P1_160904_8851904	NC_021167.1	Ca_kabuli_chr08	8851904	TT	CC	1940425579
SNP_P1_160905_8851930	NC_021167.1	Ca_kabuli_chr08	8851930	GG	AA	1940425580
SNP_P1_160906_8852111	NC_021167.1	Ca_kabuli_chr08	8852111	CC	TT	1940425581
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SNP_P1_160908_8852988	NC_021167.1	Ca_kabuli_chr08	8852988	AA	CC	1940425583
SNP_P1_160909_8853860	NC_021167.1	Ca_kabuli_chr08	8853860	CC	TT	1940425584
SNP_P1_160910_8853878	NC_021167.1	Ca_kabuli_chr08	8853878	CC	TT	1940425585
SNP_P1_160911_8853974	NC_021167.1	Ca_kabuli_chr08	8853974	CC	AA	1940425586
SNP_P1_160912_8854268	NC_021167.1	Ca_kabuli_chr08	8854268	TT	CC	1940425587
SNP_P1_160913_8854375	NC_021167.1	Ca_kabuli_chr08	8854375	AA	GG	1940425588
SNP_P1_160914_8854574	NC_021167.1	Ca_kabuli_chr08	8854574	AA	GG	1940425589
SNP_P1_160915_8854618	NC_021167.1	Ca_kabuli_chr08	8854618	CC	TT	1940425590
SNP_P1_160916_8854621	NC_021167.1	Ca_kabuli_chr08	8854621	TT	GG	1940425591
SNP_P1_160920_8855796	NC_021167.1	Ca_kabuli_chr08	8855796	AA	GG	1940425592
SNP_P1_160921_8855895	NC_021167.1	Ca_kabuli_chr08	8855895	CC	TT	1940425593
SNP_P1_160922_8856017	NC_021167.1	Ca_kabuli_chr08	8856017	TT	CC	1940425594
SNP_P1_160923_8856143	NC_021167.1	Ca_kabuli_chr08	8856143	GG	AA	1940425595

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160926_8856393	NC_021167.1	Ca_kabuli_chr08	8856393	TT	CC	1940425598
SNP_P1_160927_8856807	NC_021167.1	Ca_kabuli_chr08	8856807	GG	AA	1940425599
SNP_P1_160929_8858449	NC_021167.1	Ca_kabuli_chr08	8858449	GG	CC	1940425600
SNP_P1_160932_8858963	NC_021167.1	Ca_kabuli_chr08	8858963	TT	CC	1940425601
SNP_P1_160933_8859080	NC_021167.1	Ca_kabuli_chr08	8859080	AA	GG	1940425602
SNP_P1_160934_8859083	NC_021167.1	Ca_kabuli_chr08	8859083	GG	AA	1940425603
SNP_P1_160935_8859084	NC_021167.1	Ca_kabuli_chr08	8859084	CC	AA	1940425604
SNP_P1_160936_8859086	NC_021167.1	Ca_kabuli_chr08	8859086	AA	CC	1940425605
SNP_P1_160937_8859087	NC_021167.1	Ca_kabuli_chr08	8859087	TT	CC	1940425606
SNP_P1_160938_8859097	NC_021167.1	Ca_kabuli_chr08	8859097	TT	AA	1940425607
SNP_P1_160939_8859128	NC_021167.1	Ca_kabuli_chr08	8859128	CC	TT	1940425608
SNP_P1_160941_8861365	NC_021167.1	Ca_kabuli_chr08	8861365	CC	TT	1940425609
SNP_P1_160942_8861371	NC_021167.1	Ca_kabuli_chr08	8861371	TT	CC	1940425610
SNP_P1_160943_8861589	NC_021167.1	Ca_kabuli_chr08	8861589	AA	GG	1940425611
SNP_P1_160944_8861593	NC_021167.1	Ca_kabuli_chr08	8861593	GG	AA	1940425612
SNP_P1_160945_8861889	NC_021167.1	Ca_kabuli_chr08	8861889	GG	TT	1940425613
SNP_P1_160946_8862129	NC_021167.1	Ca_kabuli_chr08	8862129	CC	TT	1940425614
SNP_P1_160948_8862272	NC_021167.1	Ca_kabuli_chr08	8862272	CC	TT	1940425615
SNP_P1_160949_8862570	NC_021167.1	Ca_kabuli_chr08	8862570	AA	GG	1940425616
SNP_P1_160950_8862576	NC_021167.1	Ca_kabuli_chr08	8862576	TT	CC	1940425617
SNP_P1_160951_8862578	NC_021167.1	Ca_kabuli_chr08	8862578	AA	GG	1940425618
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SNP_P1_160958_8862756	NC_021167.1	Ca_kabuli_chr08	8862756	GG	TT	1940425625
SNP_P1_160959_8862759	NC_021167.1	Ca_kabuli_chr08	8862759	TT	GG	1940425626
SNP_P1_160960_8862811	NC_021167.1	Ca_kabuli_chr08	8862811	AA	GG	1940425627
SNP_P1_160961_8862917	NC_021167.1	Ca_kabuli_chr08	8862917	AA	GG	1940425628
SNP_P1_160962_8863088	NC_021167.1	Ca_kabuli_chr08	8863088	GG	CC	1940425629
SNP_P1_160963_8864853	NC_021167.1	Ca_kabuli_chr08	8864853	TT	CC	1940425630
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SNP_P1_160966_8868543	NC_021167.1	Ca_kabuli_chr08	8868543	TT	CC	1940425632
SNP_P1_160968_8868591	NC_021167.1	Ca_kabuli_chr08	8868591	TT	AA	1940425633
SNP_P1_160971_8868917	NC_021167.1	Ca_kabuli_chr08	8868917	AA	GG	1940425634
SNP_P1_160972_8868996	NC_021167.1	Ca_kabuli_chr08	8868996	CC	TT	1940425635
SNP_P1_160973_8868999	NC_021167.1	Ca_kabuli_chr08	8868999	GG	AA	1940425636
SNP_P1_160974_8869006	NC_021167.1	Ca_kabuli_chr08	8869006	GG	AA	1940425637

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_160980_8869659	NC_021167.1	Ca_kabuli_chr08	8869659	AA	TT	1940425640
SNP_P1_160982_8870556	NC_021167.1	Ca_kabuli_chr08	8870556	TT	AA	1940425641
SNP_P1_160983_8870640	NC_021167.1	Ca_kabuli_chr08	8870640	CC	TT	1940425642
SNP_P1_160984_8871037	NC_021167.1	Ca_kabuli_chr08	8871037	GG	AA	1940425643
SNP_P1_160987_8872763	NC_021167.1	Ca_kabuli_chr08	8872763	CC	GG	1940425644
SNP_P1_160988_8872766	NC_021167.1	Ca_kabuli_chr08	8872766	GG	AA	1940425645
SNP_P1_160989_8872784	NC_021167.1	Ca_kabuli_chr08	8872784	AA	GG	1940425646
SNP_P1_160990_8872785	NC_021167.1	Ca_kabuli_chr08	8872785	GG	CC	1940425647
SNP_P1_160991_8872797	NC_021167.1	Ca_kabuli_chr08	8872797	CC	AA	1940425648
SNP_P1_160992_8872861	NC_021167.1	Ca_kabuli_chr08	8872861	GG	CC	1940425649
SNP_P1_160993_8873106	NC_021167.1	Ca_kabuli_chr08	8873106	GG	AA	1940425650
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SNP_P1_160998_8874854	NC_021167.1	Ca_kabuli_chr08	8874854	AA	GG	1940425654
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SNP_P1_161003_8876794	NC_021167.1	Ca_kabuli_chr08	8876794	TT	AA	1940425659
SNP_P1_161004_8877173	NC_021167.1	Ca_kabuli_chr08	8877173	AA	TT	1940425660
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SNP_P1_161010_8878862	NC_021167.1	Ca_kabuli_chr08	8878862	GG	AA	1940425665
SNP_P1_161011_8878940	NC_021167.1	Ca_kabuli_chr08	8878940	CC	TT	1940425666
SNP_P1_161012_8878963	NC_021167.1	Ca_kabuli_chr08	8878963	TT	CC	1940425667
SNP_P1_161013_8878970	NC_021167.1	Ca_kabuli_chr08	8878970	AA	GG	1940425668
SNP_P1_161014_8878974	NC_021167.1	Ca_kabuli_chr08	8878974	CC	AA	1940425669
SNP_P1_161015_8879979	NC_021167.1	Ca_kabuli_chr08	8879979	TT	CC	1940425670
SNP_P1_161017_8880515	NC_021167.1	Ca_kabuli_chr08	8880515	GG	TT	1940425671
SNP_P1_161018_8880667	NC_021167.1	Ca_kabuli_chr08	8880667	GG	AA	1940425672
SNP_P1_161019_8880674	NC_021167.1	Ca_kabuli_chr08	8880674	TT	GG	1940425673
SNP_P1_161020_8881371	NC_021167.1	Ca_kabuli_chr08	8881371	GG	AA	1940425674
SNP_P1_161021_8881388	NC_021167.1	Ca_kabuli_chr08	8881388	AA	GG	1940425675
SNP_P1_161023_8881480	NC_021167.1	Ca_kabuli_chr08	8881480	GG	AA	1940425676
SNP_P1_161025_8882263	NC_021167.1	Ca_kabuli_chr08	8882263	TT	CC	1940425677
SNP_P1_161026_8883489	NC_021167.1	Ca_kabuli_chr08	8883489	AA	GG	1940425678
SNP_P1_161027_8883571	NC_021167.1	Ca_kabuli_chr08	8883571	TT	CC	1940425679

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161030_8884820	NC_021167.1	Ca_kabuli_chr08	8884820	AA	CC	1940425681
SNP_P1_161031_8884850	NC_021167.1	Ca_kabuli_chr08	8884850	AA	GG	1940425682
SNP_P1_161033_8885161	NC_021167.1	Ca_kabuli_chr08	8885161	AA	GG	1940425683
SNP_P1_161034_8885176	NC_021167.1	Ca_kabuli_chr08	8885176	CC	TT	1940425684
SNP_P1_161036_8885575	NC_021167.1	Ca_kabuli_chr08	8885575	AA	GG	1940425685
SNP_P1_161037_8886213	NC_021167.1	Ca_kabuli_chr08	8886213	CC	TT	1940425686
SNP_P1_161038_8886315	NC_021167.1	Ca_kabuli_chr08	8886315	CC	TT	1940425687
SNP_P1_161039_8886398	NC_021167.1	Ca_kabuli_chr08	8886398	TT	CC	1940425688
SNP_P1_161040_8886401	NC_021167.1	Ca_kabuli_chr08	8886401	GG	CC	1940425689
SNP_P1_161042_8886800	NC_021167.1	Ca_kabuli_chr08	8886800	CC	TT	1940425690
SNP_P1_161043_8887232	NC_021167.1	Ca_kabuli_chr08	8887232	AA	GG	1940425691
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SNP_P1_161045_8887403	NC_021167.1	Ca_kabuli_chr08	8887403	GG	AA	1940425693
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SNP_P1_161047_8887453	NC_021167.1	Ca_kabuli_chr08	8887453	GG	AA	1940425695
SNP_P1_161049_8887493	NC_021167.1	Ca_kabuli_chr08	8887493	AA	GG	1940425696
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SNP_P1_161054_8887794	NC_021167.1	Ca_kabuli_chr08	8887794	AA	TT	1940425702
SNP_P1_161055_8887799	NC_021167.1	Ca_kabuli_chr08	8887799	GG	AA	1940425703
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SNP_P1_161058_8887877	NC_021167.1	Ca_kabuli_chr08	8887877	TT	GG	1940425706
SNP_P1_161059_8888012	NC_021167.1	Ca_kabuli_chr08	8888012	GG	AA	1940425707
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SNP_P1_161061_8888070	NC_021167.1	Ca_kabuli_chr08	8888070	AA	GG	1940425709
SNP_P1_161062_8888076	NC_021167.1	Ca_kabuli_chr08	8888076	AA	TT	1940425710
SNP_P1_161063_8888152	NC_021167.1	Ca_kabuli_chr08	8888152	CC	TT	1940425711
SNP_P1_161065_8888352	NC_021167.1	Ca_kabuli_chr08	8888352	CC	TT	1940425712
SNP_P1_161066_8893341	NC_021167.1	Ca_kabuli_chr08	8893341	TT	CC	1940425713
SNP_P1_161067_8893607	NC_021167.1	Ca_kabuli_chr08	8893607	GG	AA	1940425714
SNP_P1_161068_8894084	NC_021167.1	Ca_kabuli_chr08	8894084	AA	GG	1940425715
SNP_P1_161069_8894374	NC_021167.1	Ca_kabuli_chr08	8894374	GG	AA	1940425716
SNP_P1_161070_8894393	NC_021167.1	Ca_kabuli_chr08	8894393	AA	GG	1940425717
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SNP_P1_161072_8894799	NC_021167.1	Ca_kabuli_chr08	8894799	CC	AA	1940425719
SNP_P1_161074_8897196	NC_021167.1	Ca_kabuli_chr08	8897196	CC	GG	1940425720
SNP_P1_161075_8897304	NC_021167.1	Ca_kabuli_chr08	8897304	GG	CC	1940425721
SNP_P1_161076_8897666	NC_021167.1	Ca_kabuli_chr08	8897666	TT	GG	1940425722

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161078_8900145	NC_021167.1	Ca_kabuli_chr08	8900145	GG	AA	1940425724
SNP_P1_161079_8900402	NC_021167.1	Ca_kabuli_chr08	8900402	GG	AA	1940425725
SNP_P1_161080_8900501	NC_021167.1	Ca_kabuli_chr08	8900501	CC	TT	1940425726
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SNP_P1_161084_8904366	NC_021167.1	Ca_kabuli_chr08	8904366	GG	AA	1940425728
SNP_P1_161086_8905505	NC_021167.1	Ca_kabuli_chr08	8905505	TT	CC	1940425729
SNP_P1_161087_8906300	NC_021167.1	Ca_kabuli_chr08	8906300	TT	CC	1940425730
SNP_P1_161088_8906302	NC_021167.1	Ca_kabuli_chr08	8906302	GG	AA	1940425731
SNP_P1_161089_8906326	NC_021167.1	Ca_kabuli_chr08	8906326	GG	CC	1940425732
SNP_P1_161090_8906542	NC_021167.1	Ca_kabuli_chr08	8906542	TT	AA	1940425733
SNP_P1_161091_8906628	NC_021167.1	Ca_kabuli_chr08	8906628	GG	CC	1940425734
SNP_P1_161092_8906896	NC_021167.1	Ca_kabuli_chr08	8906896	GG	AA	1940425735
SNP_P1_161093_8907140	NC_021167.1	Ca_kabuli_chr08	8907140	TT	AA	1940425736
SNP_P1_161094_8907141	NC_021167.1	Ca_kabuli_chr08	8907141	CC	TT	1940425737
SNP_P1_161096_8907322	NC_021167.1	Ca_kabuli_chr08	8907322	GG	AA	1940425738
SNP_P1_161098_8907704	NC_021167.1	Ca_kabuli_chr08	8907704	AA	GG	1940425739
SNP_P1_161099_8908594	NC_021167.1	Ca_kabuli_chr08	8908594	TT	AA	1940425740
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SNP_P1_161114_8915772	NC_021167.1	Ca_kabuli_chr08	8915772	TT	AA	1940425753
SNP_P1_161115_8918229	NC_021167.1	Ca_kabuli_chr08	8918229	GG	AA	1940425754
SNP_P1_161116_8920762	NC_021167.1	Ca_kabuli_chr08	8920762	CC	AA	1940425755
SNP_P1_161117_8921310	NC_021167.1	Ca_kabuli_chr08	8921310	GG	CC	1940425756
SNP_P1_161118_8922941	NC_021167.1	Ca_kabuli_chr08	8922941	TT	AA	1940425757
SNP_P1_161119_8923225	NC_021167.1	Ca_kabuli_chr08	8923225	GG	AA	1940425758
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SNP_P1_161122_8923774	NC_021167.1	Ca_kabuli_chr08	8923774	TT	CC	1940425761
SNP_P1_161123_8924006	NC_021167.1	Ca_kabuli_chr08	8924006	GG	AA	1940425762
SNP_P1_161124_8924044	NC_021167.1	Ca_kabuli_chr08	8924044	AA	GG	1940425763
SNP_P1_161125_8924101	NC_021167.1	Ca_kabuli_chr08	8924101	TT	CC	1940425764

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161130_8925087	NC_021167.1	Ca_kabuli_chr08	8925087	CC	TT	1940425768
SNP_P1_161131_8929770	NC_021167.1	Ca_kabuli_chr08	8929770	AA	GG	1940425769
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SNP_P1_161133_8934922	NC_021167.1	Ca_kabuli_chr08	8934922	AA	TT	1940425771
SNP_P1_161135_8938796	NC_021167.1	Ca_kabuli_chr08	8938796	AA	GG	1940425772
SNP_P1_161136_8939190	NC_021167.1	Ca_kabuli_chr08	8939190	AA	GG	1940425773
SNP_P1_161137_8939219	NC_021167.1	Ca_kabuli_chr08	8939219	TT	CC	1940425774
SNP_P1_161138_8939491	NC_021167.1	Ca_kabuli_chr08	8939491	TT	CC	1940425775
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SNP_P1_161141_8940113	NC_021167.1	Ca_kabuli_chr08	8940113	TT	CC	1940425778
SNP_P1_161142_8940165	NC_021167.1	Ca_kabuli_chr08	8940165	TT	AA	1940425779
SNP_P1_161143_8940186	NC_021167.1	Ca_kabuli_chr08	8940186	AA	GG	1940425780
SNP_P1_161144_8940280	NC_021167.1	Ca_kabuli_chr08	8940280	GG	AA	1940425781
SNP_P1_161146_8941237	NC_021167.1	Ca_kabuli_chr08	8941237	AA	TT	1940425782
SNP_P1_161147_8941491	NC_021167.1	Ca_kabuli_chr08	8941491	TT	CC	1940425783
SNP_P1_161148_8943556	NC_021167.1	Ca_kabuli_chr08	8943556	AA	GG	1940425784
SNP_P1_161149_8943939	NC_021167.1	Ca_kabuli_chr08	8943939	CC	AA	1940425785
SNP_P1_161150_8950497	NC_021167.1	Ca_kabuli_chr08	8950497	AA	GG	1940425786
SNP_P1_161152_8951633	NC_021167.1	Ca_kabuli_chr08	8951633	CC	TT	1940425787
SNP_P1_161153_8952932	NC_021167.1	Ca_kabuli_chr08	8952932	TT	CC	1940425788
SNP_P1_161156_8954156	NC_021167.1	Ca_kabuli_chr08	8954156	GG	AA	1940425789
SNP_P1_161157_8954360	NC_021167.1	Ca_kabuli_chr08	8954360	GG	AA	1940425790
SNP_P1_161160_8956658	NC_021167.1	Ca_kabuli_chr08	8956658	GG	AA	1940425791
SNP_P1_161161_8957185	NC_021167.1	Ca_kabuli_chr08	8957185	AA	TT	1940425792
SNP_P1_161162_8957207	NC_021167.1	Ca_kabuli_chr08	8957207	CC	TT	1940425793
SNP_P1_161163_8957210	NC_021167.1	Ca_kabuli_chr08	8957210	TT	CC	1940425794
SNP_P1_161164_8957287	NC_021167.1	Ca_kabuli_chr08	8957287	TT	CC	1940425795
SNP_P1_161165_8957326	NC_021167.1	Ca_kabuli_chr08	8957326	GG	CC	1940425796
SNP_P1_161166_8957386	NC_021167.1	Ca_kabuli_chr08	8957386	GG	TT	1940425797
SNP_P1_161167_8957462	NC_021167.1	Ca_kabuli_chr08	8957462	GG	AA	1940425798
SNP_P1_161168_8957676	NC_021167.1	Ca_kabuli_chr08	8957676	TT	CC	1940425799
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SNP_P1_161171_8957835	NC_021167.1	Ca_kabuli_chr08	8957835	TT	CC	1940425802
SNP_P1_161173_8958633	NC_021167.1	Ca_kabuli_chr08	8958633	AA	TT	1940425803
SNP_P1_161175_8958706	NC_021167.1	Ca_kabuli_chr08	8958706	GG	AA	1940425804
SNP_P1_161176_8958732	NC_021167.1	Ca_kabuli_chr08	8958732	GG	CC	1940425805
SNP_P1_161177_8960387	NC_021167.1	Ca_kabuli_chr08	8960387	TT	CC	1940425806

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161179_8960771	NC_021167.1	Ca_kabuli_chr08	8960771	CC	AA	1940425808
SNP_P1_161180_8961112	NC_021167.1	Ca_kabuli_chr08	8961112	TT	CC	1940425809
SNP_P1_161182_8961392	NC_021167.1	Ca_kabuli_chr08	8961392	CC	TT	1940425810
SNP_P1_161183_8961404	NC_021167.1	Ca_kabuli_chr08	8961404	AA	GG	1940425811
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SNP_P1_161185_8961569	NC_021167.1	Ca_kabuli_chr08	8961569	AA	TT	1940425813
SNP_P1_161186_8961594	NC_021167.1	Ca_kabuli_chr08	8961594	CC	TT	1940425814
SNP_P1_161188_8961602	NC_021167.1	Ca_kabuli_chr08	8961602	AA	GG	1940425815
SNP_P1_161189_8961640	NC_021167.1	Ca_kabuli_chr08	8961640	TT	CC	1940425816
SNP_P1_161190_8961641	NC_021167.1	Ca_kabuli_chr08	8961641	GG	AA	1940425818
SNP_P1_161191_8961650	NC_021167.1	Ca_kabuli_chr08	8961650	TT	CC	1940425819
SNP_P1_161192_8961680	NC_021167.1	Ca_kabuli_chr08	8961680	CC	TT	1940425820
SNP_P1_161193_8961714	NC_021167.1	Ca_kabuli_chr08	8961714	CC	TT	1940425821
SNP_P1_161194_8961742	NC_021167.1	Ca_kabuli_chr08	8961742	GG	AA	1940425822
SNP_P1_161195_8961758	NC_021167.1	Ca_kabuli_chr08	8961758	GG	AA	1940425823
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SNP_P1_161202_8962743	NC_021167.1	Ca_kabuli_chr08	8962743	AA	TT	1940425829
SNP_P1_161203_8962901	NC_021167.1	Ca_kabuli_chr08	8962901	GG	AA	1940425830
SNP_P1_161204_8962905	NC_021167.1	Ca_kabuli_chr08	8962905	GG	TT	1940425831
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SNP_P1_161209_8964212	NC_021167.1	Ca_kabuli_chr08	8964212	AA	GG	1940425836
SNP_P1_161212_8964241	NC_021167.1	Ca_kabuli_chr08	8964241	GG	TT	1940425837
SNP_P1_161213_8964588	NC_021167.1	Ca_kabuli_chr08	8964588	CC	AA	1940425838
SNP_P1_161214_8964613	NC_021167.1	Ca_kabuli_chr08	8964613	TT	GG	1940425839
SNP_P1_161215_8964614	NC_021167.1	Ca_kabuli_chr08	8964614	TT	GG	1940425840
SNP_P1_161216_8964636	NC_021167.1	Ca_kabuli_chr08	8964636	TT	CC	1940425841
SNP_P1_161217_8964651	NC_021167.1	Ca_kabuli_chr08	8964651	TT	CC	1940425842
SNP_P1_161218_8966741	NC_021167.1	Ca_kabuli_chr08	8966741	GG	AA	1940425843
SNP_P1_161220_8967490	NC_021167.1	Ca_kabuli_chr08	8967490	GG	AA	1940425844
SNP_P1_161221_8967512	NC_021167.1	Ca_kabuli_chr08	8967512	GG	AA	1940425845
SNP_P1_161222_8968002	NC_021167.1	Ca_kabuli_chr08	8968002	TT	CC	1940425846
SNP_P1_161223_8968019	NC_021167.1	Ca_kabuli_chr08	8968019	GG	AA	1940425847
SNP_P1_161224_8968966	NC_021167.1	Ca_kabuli_chr08	8968966	AA	GG	1940425848
SNP_P1_161225_8969018	NC_021167.1	Ca_kabuli_chr08	8969018	AA	GG	1940425849

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161227_8969052	NC_021167.1	Ca_kabuli_chr08	8969052	TT	GG	1940425851
SNP_P1_161228_8969104	NC_021167.1	Ca_kabuli_chr08	8969104	AA	GG	1940425852
SNP_P1_161229_8969109	NC_021167.1	Ca_kabuli_chr08	8969109	CC	TT	1940425853
SNP_P1_161230_8969156	NC_021167.1	Ca_kabuli_chr08	8969156	GG	CC	1940425854
SNP_P1_161231_8969269	NC_021167.1	Ca_kabuli_chr08	8969269	GG	AA	1940425855
SNP_P1_161233_8969321	NC_021167.1	Ca_kabuli_chr08	8969321	AA	GG	1940425856
SNP_P1_161235_8969373	NC_021167.1	Ca_kabuli_chr08	8969373	TT	CC	1940425857
SNP_P1_161236_8969521	NC_021167.1	Ca_kabuli_chr08	8969521	TT	CC	1940425858
SNP_P1_161237_8969528	NC_021167.1	Ca_kabuli_chr08	8969528	CC	TT	1940425859
SNP_P1_161238_8969559	NC_021167.1	Ca_kabuli_chr08	8969559	AA	GG	1940425860
SNP_P1_161239_8969577	NC_021167.1	Ca_kabuli_chr08	8969577	TT	CC	1940425861
SNP_P1_161240_8969584	NC_021167.1	Ca_kabuli_chr08	8969584	AA	GG	1940425862
SNP_P1_161241_8969595	NC_021167.1	Ca_kabuli_chr08	8969595	TT	CC	1940425863
SNP_P1_161242_8969649	NC_021167.1	Ca_kabuli_chr08	8969649	GG	AA	1940425864
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SNP_P1_161244_8969728	NC_021167.1	Ca_kabuli_chr08	8969728	TT	AA	1940425866
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SNP_P1_161246_8969748	NC_021167.1	Ca_kabuli_chr08	8969748	TT	GG	1940425868
SNP_P1_161247_8969768	NC_021167.1	Ca_kabuli_chr08	8969768	AA	GG	1940425869
SNP_P1_161248_8969775	NC_021167.1	Ca_kabuli_chr08	8969775	CC	TT	1940425870
SNP_P1_161249_8969781	NC_021167.1	Ca_kabuli_chr08	8969781	AA	GG	1940425871
SNP_P1_161250_8969784	NC_021167.1	Ca_kabuli_chr08	8969784	CC	AA	1940425872
SNP_P1_161251_8969973	NC_021167.1	Ca_kabuli_chr08	8969973	TT	CC	1940425873
SNP_P1_161252_8969977	NC_021167.1	Ca_kabuli_chr08	8969977	AA	TT	1940425874
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SNP_P1_161254_8970043	NC_021167.1	Ca_kabuli_chr08	8970043	AA	GG	1940425876
SNP_P1_161256_8970096	NC_021167.1	Ca_kabuli_chr08	8970096	GG	TT	1940425877
SNP_P1_161257_8970115	NC_021167.1	Ca_kabuli_chr08	8970115	AA	GG	1940425878
SNP_P1_161258_8970202	NC_021167.1	Ca_kabuli_chr08	8970202	AA	GG	1940425879
SNP_P1_161259_8970218	NC_021167.1	Ca_kabuli_chr08	8970218	GG	TT	1940425880
SNP_P1_161260_8970414	NC_021167.1	Ca_kabuli_chr08	8970414	CC	TT	1940425881
SNP_P1_161262_8971694	NC_021167.1	Ca_kabuli_chr08	8971694	AA	GG	1940425882
SNP_P1_161265_8973060	NC_021167.1	Ca_kabuli_chr08	8973060	GG	AA	1940425883
SNP_P1_161266_8973145	NC_021167.1	Ca_kabuli_chr08	8973145	CC	TT	1940425884
SNP_P1_161267_8973146	NC_021167.1	Ca_kabuli_chr08	8973146	AA	GG	1940425885
SNP_P1_161268_8973147	NC_021167.1	Ca_kabuli_chr08	8973147	GG	AA	1940425886
SNP_P1_161269_8973374	NC_021167.1	Ca_kabuli_chr08	8973374	CC	AA	1940425887
SNP_P1_161270_8973375	NC_021167.1	Ca_kabuli_chr08	8973375	GG	TT	1940425888
SNP_P1_161271_8973386	NC_021167.1	Ca_kabuli_chr08	8973386	TT	CC	1940425889
SNP_P1_161272_8973389	NC_021167.1	Ca_kabuli_chr08	8973389	CC	TT	1940425890
SNP_P1_161273_8973390	NC_021167.1	Ca_kabuli_chr08	8973390	AA	GG	1940425891

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161276_8973467	NC_021167.1	Ca_kabuli_chr08	8973467	AA	TT	1940425894
SNP_P1_161277_8973679	NC_021167.1	Ca_kabuli_chr08	8973679	GG	TT	1940425895
SNP_P1_161278_8974222	NC_021167.1	Ca_kabuli_chr08	8974222	TT	AA	1940425896
SNP_P1_161279_8974232	NC_021167.1	Ca_kabuli_chr08	8974232	AA	TT	1940425897
SNP_P1_161280_8974240	NC_021167.1	Ca_kabuli_chr08	8974240	TT	CC	1940425898
SNP_P1_161281_8974290	NC_021167.1	Ca_kabuli_chr08	8974290	AA	GG	1940425899
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SNP_P1_161289_8974769	NC_021167.1	Ca_kabuli_chr08	8974769	AA	GG	1940425906
SNP_P1_161290_8974798	NC_021167.1	Ca_kabuli_chr08	8974798	GG	TT	1940425907
SNP_P1_161291_8979468	NC_021167.1	Ca_kabuli_chr08	8979468	GG	AA	1940425908
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SNP_P1_161306_8981614	NC_021167.1	Ca_kabuli_chr08	8981614	CC	TT	1940425921
SNP_P1_161307_8981785	NC_021167.1	Ca_kabuli_chr08	8981785	AA	GG	1940425922
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SNP_P1_161309_8981793	NC_021167.1	Ca_kabuli_chr08	8981793	GG	CC	1940425924
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SNP_P1_161312_8981810	NC_021167.1	Ca_kabuli_chr08	8981810	TT	CC	1940425927
SNP_P1_161313_8981818	NC_021167.1	Ca_kabuli_chr08	8981818	TT	CC	1940425928
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SNP_P1_161316_8982088	NC_021167.1	Ca_kabuli_chr08	8982088	CC	TT	1940425931
SNP_P1_161317_8982094	NC_021167.1	Ca_kabuli_chr08	8982094	TT	CC	1940425932
SNP_P1_161318_8982098	NC_021167.1	Ca_kabuli_chr08	8982098	CC	TT	1940425933

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161324_8994413	NC_021167.1	Ca_kabuli_chr08	8994413	CC	TT	1940425937
SNP_P1_161325_8994446	NC_021167.1	Ca_kabuli_chr08	8994446	CC	TT	1940425938
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SNP_P1_161332_8995637	NC_021167.1	Ca_kabuli_chr08	8995637	TT	GG	1940425943
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SNP_P1_161341_8997910	NC_021167.1	Ca_kabuli_chr08	8997910	AA	GG	1940425949
SNP_P1_161344_8998125	NC_021167.1	Ca_kabuli_chr08	8998125	AA	GG	1940425950
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SNP_P1_161347_8998316	NC_021167.1	Ca_kabuli_chr08	8998316	GG	AA	1940425953
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SNP_P1_161356_8998589	NC_021167.1	Ca_kabuli_chr08	8998589	CC	TT	1940425963
SNP_P1_161360_8998872	NC_021167.1	Ca_kabuli_chr08	8998872	CC	TT	1940425964
SNP_P1_161361_8998979	NC_021167.1	Ca_kabuli_chr08	8998979	AA	GG	1940425965
SNP_P1_161362_8999009	NC_021167.1	Ca_kabuli_chr08	8999009	CC	TT	1940425966
SNP_P1_161363_8999315	NC_021167.1	Ca_kabuli_chr08	8999315	GG	AA	1940425967
SNP_P1_161364_8999885	NC_021167.1	Ca_kabuli_chr08	8999885	CC	TT	1940425968
SNP_P1_161365_8999887	NC_021167.1	Ca_kabuli_chr08	8999887	AA	GG	1940425969
SNP_P1_161366_9000062	NC_021167.1	Ca_kabuli_chr08	9000062	GG	TT	1940425970
SNP_P1_161367_9000200	NC_021167.1	Ca_kabuli_chr08	9000200	AA	GG	1940425971
SNP_P1_161368_9000841	NC_021167.1	Ca_kabuli_chr08	9000841	TT	AA	1940425972
SNP_P1_161369_9000910	NC_021167.1	Ca_kabuli_chr08	9000910	GG	AA	1940425973
SNP_P1_161370_9000912	NC_021167.1	Ca_kabuli_chr08	9000912	AA	TT	1940425974
SNP_P1_161371_9000929	NC_021167.1	Ca_kabuli_chr08	9000929	TT	CC	1940425975
SNP_P1_161372_9001058	NC_021167.1	Ca_kabuli_chr08	9001058	GG	CC	1940425976

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161375_9001969	NC_021167.1	Ca_kabuli_chr08	9001969	GG	AA	1940425978
SNP_P1_161376_9001971	NC_021167.1	Ca_kabuli_chr08	9001971	TT	GG	1940425979
SNP_P1_161377_9001972	NC_021167.1	Ca_kabuli_chr08	9001972	AA	TT	1940425980
SNP_P1_161379_9002272	NC_021167.1	Ca_kabuli_chr08	9002272	AA	TT	1940425981
SNP_P1_161381_9003205	NC_021167.1	Ca_kabuli_chr08	9003205	GG	AA	1940425982
SNP_P1_161383_9003500	NC_021167.1	Ca_kabuli_chr08	9003500	CC	TT	1940425983
SNP_P1_161384_9003513	NC_021167.1	Ca_kabuli_chr08	9003513	AA	GG	1940425984
SNP_P1_161385_9003518	NC_021167.1	Ca_kabuli_chr08	9003518	TT	CC	1940425985
SNP_P1_161386_9004465	NC_021167.1	Ca_kabuli_chr08	9004465	TT	CC	1940425986
SNP_P1_161388_9004970	NC_021167.1	Ca_kabuli_chr08	9004970	AA	GG	1940425987
SNP_P1_161391_9005069	NC_021167.1	Ca_kabuli_chr08	9005069	TT	CC	1940425988
SNP_P1_161392_9019618	NC_021167.1	Ca_kabuli_chr08	9019618	AA	GG	1940425989
SNP_P1_161393_9019621	NC_021167.1	Ca_kabuli_chr08	9019621	TT	CC	1940425990
SNP_P1_161394_9019676	NC_021167.1	Ca_kabuli_chr08	9019676	TT	GG	1940425991
SNP_P1_161395_9021477	NC_021167.1	Ca_kabuli_chr08	9021477	CC	TT	1940425992
SNP_P1_161399_9061824	NC_021167.1	Ca_kabuli_chr08	9061824	TT	AA	1940425993
SNP_P1_161400_9076758	NC_021167.1	Ca_kabuli_chr08	9076758	AA	CC	1940425994
SNP_P1_161401_9077116	NC_021167.1	Ca_kabuli_chr08	9077116	CC	TT	1940425995
SNP_P1_161402_9077877	NC_021167.1	Ca_kabuli_chr08	9077877	AA	CC	1940425996
SNP_P1_161403_9077892	NC_021167.1	Ca_kabuli_chr08	9077892	AA	GG	1940425997
SNP_P1_161404_9077900	NC_021167.1	Ca_kabuli_chr08	9077900	TT	GG	1940425998
SNP_P1_161405_9077911	NC_021167.1	Ca_kabuli_chr08	9077911	GG	CC	1940425999
SNP_P1_161406_9077913	NC_021167.1	Ca_kabuli_chr08	9077913	TT	CC	1940426000
SNP_P1_161407_9077939	NC_021167.1	Ca_kabuli_chr08	9077939	GG	AA	1940426001
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SNP_P1_161411_9079484	NC_021167.1	Ca_kabuli_chr08	9079484	GG	CC	1940426004
SNP_P1_161412_9079489	NC_021167.1	Ca_kabuli_chr08	9079489	AA	CC	1940426005
SNP_P1_161413_9079494	NC_021167.1	Ca_kabuli_chr08	9079494	AA	GG	1940426006
SNP_P1_161414_9079496	NC_021167.1	Ca_kabuli_chr08	9079496	AA	CC	1940426007
SNP_P1_161415_9080329	NC_021167.1	Ca_kabuli_chr08	9080329	AA	TT	1940426008
SNP_P1_161416_9080866	NC_021167.1	Ca_kabuli_chr08	9080866	AA	GG	1940426009
SNP_P1_161417_9081068	NC_021167.1	Ca_kabuli_chr08	9081068	TT	AA	1940426010
SNP_P1_161418_9081523	NC_021167.1	Ca_kabuli_chr08	9081523	AA	GG	1940426011
SNP_P1_161419_9081617	NC_021167.1	Ca_kabuli_chr08	9081617	CC	AA	1940426012
SNP_P1_161422_9083354	NC_021167.1	Ca_kabuli_chr08	9083354	TT	GG	1940426013
SNP_P1_161423_9083587	NC_021167.1	Ca_kabuli_chr08	9083587	AA	TT	1940426014
SNP_P1_161424_9083647	NC_021167.1	Ca_kabuli_chr08	9083647	CC	TT	1940426015
SNP_P1_161425_9083666	NC_021167.1	Ca_kabuli_chr08	9083666	CC	TT	1940426016
SNP_P1_161426_9083676	NC_021167.1	Ca_kabuli_chr08	9083676	CC	TT	1940426017
SNP_P1_161427_9083693	NC_021167.1	Ca_kabuli_chr08	9083693	CC	GG	1940426018

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161431_9084744	NC_021167.1	Ca_kabuli_chr08	9084744	TT	CC	1940426021
SNP_P1_161433_9084977	NC_021167.1	Ca_kabuli_chr08	9084977	GG	AA	1940426022
SNP_P1_161435_9085116	NC_021167.1	Ca_kabuli_chr08	9085116	GG	AA	1940426023
SNP_P1_161436_9087181	NC_021167.1	Ca_kabuli_chr08	9087181	GG	TT	1940426024
SNP_P1_161437_9087352	NC_021167.1	Ca_kabuli_chr08	9087352	GG	TT	1940426025
SNP_P1_161438_9087442	NC_021167.1	Ca_kabuli_chr08	9087442	AA	TT	1940426026
SNP_P1_161440_9088087	NC_021167.1	Ca_kabuli_chr08	9088087	TT	GG	1940426027
SNP_P1_161441_9088151	NC_021167.1	Ca_kabuli_chr08	9088151	AA	GG	1940426028
SNP_P1_161443_9088242	NC_021167.1	Ca_kabuli_chr08	9088242	CC	AA	1940426029
SNP_P1_161445_9088882	NC_021167.1	Ca_kabuli_chr08	9088882	CC	AA	1940426030
SNP_P1_161447_9089313	NC_021167.1	Ca_kabuli_chr08	9089313	AA	CC	1940426031
SNP_P1_161448_9089629	NC_021167.1	Ca_kabuli_chr08	9089629	GG	TT	1940426032
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SNP_P1_161450_9097825	NC_021167.1	Ca_kabuli_chr08	9097825	CC	TT	1940426034
SNP_P1_161452_9098953	NC_021167.1	Ca_kabuli_chr08	9098953	TT	CC	1940426035
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SNP_P1_161455_9099960	NC_021167.1	Ca_kabuli_chr08	9099960	TT	GG	1940426037
SNP_P1_161456_9100293	NC_021167.1	Ca_kabuli_chr08	9100293	GG	AA	1940426038
SNP_P1_161459_9101798	NC_021167.1	Ca_kabuli_chr08	9101798	AA	CC	1940426039
SNP_P1_161460_9101801	NC_021167.1	Ca_kabuli_chr08	9101801	TT	CC	1940426040
SNP_P1_161462_9103389	NC_021167.1	Ca_kabuli_chr08	9103389	TT	CC	1940426041
SNP_P1_161463_9104071	NC_021167.1	Ca_kabuli_chr08	9104071	TT	AA	1940426042
SNP_P1_161464_9104093	NC_021167.1	Ca_kabuli_chr08	9104093	TT	CC	1940426043
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SNP_P1_161466_9104361	NC_021167.1	Ca_kabuli_chr08	9104361	AA	TT	1940426045
SNP_P1_161467_9104370	NC_021167.1	Ca_kabuli_chr08	9104370	CC	AA	1940426046
SNP_P1_161468_9104380	NC_021167.1	Ca_kabuli_chr08	9104380	GG	TT	1940426047
SNP_P1_161469_9104402	NC_021167.1	Ca_kabuli_chr08	9104402	AA	GG	1940426048
SNP_P1_161470_9105295	NC_021167.1	Ca_kabuli_chr08	9105295	CC	TT	1940426049
SNP_P1_161471_9105296	NC_021167.1	Ca_kabuli_chr08	9105296	CC	TT	1940426050
SNP_P1_161472_9105309	NC_021167.1	Ca_kabuli_chr08	9105309	AA	TT	1940426051
SNP_P1_161473_9105318	NC_021167.1	Ca_kabuli_chr08	9105318	GG	AA	1940426052
SNP_P1_161475_9105397	NC_021167.1	Ca_kabuli_chr08	9105397	TT	AA	1940426053
SNP_P1_161476_9105462	NC_021167.1	Ca_kabuli_chr08	9105462	GG	AA	1940426054
SNP_P1_161478_9109084	NC_021167.1	Ca_kabuli_chr08	9109084	GG	AA	1940426055
SNP_P1_161481_9110535	NC_021167.1	Ca_kabuli_chr08	9110535	GG	AA	1940426056
SNP_P1_161482_9110713	NC_021167.1	Ca_kabuli_chr08	9110713	TT	CC	1940426057
SNP_P1_161483_9112578	NC_021167.1	Ca_kabuli_chr08	9112578	GG	TT	1940426058
SNP_P1_161484_9113441	NC_021167.1	Ca_kabuli_chr08	9113441	GG	AA	1940426059
SNP_P1_161485_9113743	NC_021167.1	Ca_kabuli_chr08	9113743	CC	TT	1940426060

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161487_9113771	NC_021167.1	Ca_kabuli_chr08	9113771	GG	TT	1940426062
SNP_P1_161488_9113792	NC_021167.1	Ca_kabuli_chr08	9113792	CC	TT	1940426063
SNP_P1_161489_9113823	NC_021167.1	Ca_kabuli_chr08	9113823	AA	GG	1940426064
SNP_P1_161490_9115488	NC_021167.1	Ca_kabuli_chr08	9115488	GG	AA	1940426065
SNP_P1_161492_9116008	NC_021167.1	Ca_kabuli_chr08	9116008	CC	TT	1940426066
SNP_P1_161493_9116303	NC_021167.1	Ca_kabuli_chr08	9116303	AA	TT	1940426067
SNP_P1_161494_9116347	NC_021167.1	Ca_kabuli_chr08	9116347	GG	AA	1940426068
SNP_P1_161495_9120239	NC_021167.1	Ca_kabuli_chr08	9120239	AA	GG	1940426069
SNP_P1_161496_9120278	NC_021167.1	Ca_kabuli_chr08	9120278	CC	TT	1940426070
SNP_P1_161497_9120304	NC_021167.1	Ca_kabuli_chr08	9120304	TT	CC	1940426071
SNP_P1_161498_9120317	NC_021167.1	Ca_kabuli_chr08	9120317	CC	TT	1940426072
SNP_P1_161499_9120322	NC_021167.1	Ca_kabuli_chr08	9120322	TT	GG	1940426073
SNP_P1_161500_9120325	NC_021167.1	Ca_kabuli_chr08	9120325	AA	GG	1940426074
SNP_P1_161501_9120364	NC_021167.1	Ca_kabuli_chr08	9120364	CC	TT	1940426075
SNP_P1_161502_9120540	NC_021167.1	Ca_kabuli_chr08	9120540	AA	GG	1940426076
SNP_P1_161503_9120593	NC_021167.1	Ca_kabuli_chr08	9120593	AA	TT	1940426077
SNP_P1_161504_9120594	NC_021167.1	Ca_kabuli_chr08	9120594	CC	GG	1940426078
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SNP_P1_161506_9120667	NC_021167.1	Ca_kabuli_chr08	9120667	GG	CC	1940426080
SNP_P1_161507_9121482	NC_021167.1	Ca_kabuli_chr08	9121482	AA	GG	1940426081
SNP_P1_161508_9122000	NC_021167.1	Ca_kabuli_chr08	9122000	TT	CC	1940426082
SNP_P1_161509_9122364	NC_021167.1	Ca_kabuli_chr08	9122364	AA	CC	1940426083
SNP_P1_161510_9122407	NC_021167.1	Ca_kabuli_chr08	9122407	GG	TT	1940426084
SNP_P1_161511_9122411	NC_021167.1	Ca_kabuli_chr08	9122411	TT	CC	1940426085
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SNP_P1_161515_9122752	NC_021167.1	Ca_kabuli_chr08	9122752	CC	TT	1940426089
SNP_P1_161516_9122780	NC_021167.1	Ca_kabuli_chr08	9122780	AA	TT	1940426090
SNP_P1_161517_9122909	NC_021167.1	Ca_kabuli_chr08	9122909	AA	GG	1940426091
SNP_P1_161518_9124421	NC_021167.1	Ca_kabuli_chr08	9124421	TT	CC	1940426092
SNP_P1_161519_9124483	NC_021167.1	Ca_kabuli_chr08	9124483	TT	CC	1940426093
SNP_P1_161520_9124846	NC_021167.1	Ca_kabuli_chr08	9124846	AA	GG	1940426094
SNP_P1_161521_9125267	NC_021167.1	Ca_kabuli_chr08	9125267	AA	TT	1940426095
SNP_P1_161522_9125611	NC_021167.1	Ca_kabuli_chr08	9125611	CC	TT	1940426096
SNP_P1_161523_9125703	NC_021167.1	Ca_kabuli_chr08	9125703	CC	TT	1940426097
SNP_P1_161524_9125705	NC_021167.1	Ca_kabuli_chr08	9125705	CC	TT	1940426098
SNP_P1_161525_9125758	NC_021167.1	Ca_kabuli_chr08	9125758	TT	CC	1940426099
SNP_P1_161526_9125791	NC_021167.1	Ca_kabuli_chr08	9125791	GG	AA	1940426100
SNP_P1_161527_9125799	NC_021167.1	Ca_kabuli_chr08	9125799	TT	CC	1940426101
SNP_P1_161529_9127466	NC_021167.1	Ca_kabuli_chr08	9127466	TT	CC	1940426102

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161531_9127551	NC_021167.1	Ca_kabuli_chr08	9127551	GG	AA	1940426104
SNP_P1_161532_9128807	NC_021167.1	Ca_kabuli_chr08	9128807	GG	AA	1940426105
SNP_P1_161533_9128996	NC_021167.1	Ca_kabuli_chr08	9128996	TT	GG	1940426106
SNP_P1_161535_9129343	NC_021167.1	Ca_kabuli_chr08	9129343	CC	GG	1940426107
SNP_P1_161536_9130826	NC_021167.1	Ca_kabuli_chr08	9130826	CC	TT	1940426108
SNP_P1_161537_9131091	NC_021167.1	Ca_kabuli_chr08	9131091	GG	AA	1940426109
SNP_P1_161538_9131275	NC_021167.1	Ca_kabuli_chr08	9131275	CC	TT	1940426110
SNP_P1_161539_9131283	NC_021167.1	Ca_kabuli_chr08	9131283	TT	CC	1940426111
SNP_P1_161540_9131765	NC_021167.1	Ca_kabuli_chr08	9131765	CC	TT	1940426112
SNP_P1_161543_9131806	NC_021167.1	Ca_kabuli_chr08	9131806	CC	AA	1940426114
SNP_P1_161544_9131813	NC_021167.1	Ca_kabuli_chr08	9131813	TT	GG	1940426115
SNP_P1_161545_9134744	NC_021167.1	Ca_kabuli_chr08	9134744	CC	AA	1940426116
SNP_P1_161547_9135135	NC_021167.1	Ca_kabuli_chr08	9135135	AA	GG	1940426117
SNP_P1_161548_9135136	NC_021167.1	Ca_kabuli_chr08	9135136	AA	TT	1940426118
SNP_P1_161550_9135350	NC_021167.1	Ca_kabuli_chr08	9135350	TT	GG	1940426119
SNP_P1_161551_9135402	NC_021167.1	Ca_kabuli_chr08	9135402	TT	CC	1940426120
SNP_P1_161552_9135449	NC_021167.1	Ca_kabuli_chr08	9135449	AA	TT	1940426121
SNP_P1_161553_9135472	NC_021167.1	Ca_kabuli_chr08	9135472	AA	TT	1940426122
SNP_P1_161554_9135473	NC_021167.1	Ca_kabuli_chr08	9135473	AA	GG	1940426123
SNP_P1_161555_9135541	NC_021167.1	Ca_kabuli_chr08	9135541	GG	AA	1940426124
SNP_P1_161557_9136432	NC_021167.1	Ca_kabuli_chr08	9136432	AA	CC	1940426125
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SNP_P1_161561_9137853	NC_021167.1	Ca_kabuli_chr08	9137853	GG	AA	1940426128
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SNP_P1_161568_9149464	NC_021167.1	Ca_kabuli_chr08	9149464	TT	CC	1940426133
SNP_P1_161570_9149543	NC_021167.1	Ca_kabuli_chr08	9149543	TT	CC	1940426134
SNP_P1_161571_9149609	NC_021167.1	Ca_kabuli_chr08	9149609	GG	TT	1940426135
SNP_P1_161572_9149683	NC_021167.1	Ca_kabuli_chr08	9149683	GG	AA	1940426136
SNP_P1_161573_9151486	NC_021167.1	Ca_kabuli_chr08	9151486	AA	GG	1940426137
SNP_P1_161575_9152348	NC_021167.1	Ca_kabuli_chr08	9152348	GG	AA	1940426138
SNP_P1_161577_9152464	NC_021167.1	Ca_kabuli_chr08	9152464	AA	GG	1940426139
SNP_P1_161578_9152905	NC_021167.1	Ca_kabuli_chr08	9152905	AA	GG	1940426140
SNP_P1_161579_9152944	NC_021167.1	Ca_kabuli_chr08	9152944	TT	CC	1940426141
SNP_P1_161581_9153303	NC_021167.1	Ca_kabuli_chr08	9153303	TT	GG	1940426142
SNP_P1_161582_9153315	NC_021167.1	Ca_kabuli_chr08	9153315	AA	TT	1940426143
SNP_P1_161583_9153363	NC_021167.1	Ca_kabuli_chr08	9153363	CC	TT	1940426144
SNP_P1_161584_9153377	NC_021167.1	Ca_kabuli_chr08	9153377	TT	GG	1940426145

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161586_9153538	NC_021167.1	Ca_kabuli_chr08	9153538	AA	GG	1940426147
SNP_P1_161587_9153571	NC_021167.1	Ca_kabuli_chr08	9153571	AA	GG	1940426148
SNP_P1_161589_9153815	NC_021167.1	Ca_kabuli_chr08	9153815	CC	TT	1940426149
SNP_P1_161590_9153849	NC_021167.1	Ca_kabuli_chr08	9153849	AA	GG	1940426150
SNP_P1_161591_9153869	NC_021167.1	Ca_kabuli_chr08	9153869	GG	TT	1940426151
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SNP_P1_161598_9157732	NC_021167.1	Ca_kabuli_chr08	9157732	TT	CC	1940426158
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SNP_P1_161607_9158654	NC_021167.1	Ca_kabuli_chr08	9158654	AA	TT	1940426166
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SNP_P1_161625_9183237	NC_021167.1	Ca_kabuli_chr08	9183237	AA	GG	1940426182
SNP_P1_161626_9183817	NC_021167.1	Ca_kabuli_chr08	9183817	TT	CC	1940426183
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SNP_P1_161630_9185195	NC_021167.1	Ca_kabuli_chr08	9185195	GG	TT	1940426187

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161633_9185269	NC_021167.1	Ca_kabuli_chr08	9185269	CC	GG	1940426190
SNP_P1_161634_9185578	NC_021167.1	Ca_kabuli_chr08	9185578	AA	TT	1940426191
SNP_P1_161635_9189444	NC_021167.1	Ca_kabuli_chr08	9189444	GG	AA	1940426192
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SNP_P1_161638_9195648	NC_021167.1	Ca_kabuli_chr08	9195648	AA	TT	1940426195
SNP_P1_161639_9197105	NC_021167.1	Ca_kabuli_chr08	9197105	CC	AA	1940426196
SNP_P1_161640_9197252	NC_021167.1	Ca_kabuli_chr08	9197252	GG	AA	1940426197
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SNP_P1_161643_9199392	NC_021167.1	Ca_kabuli_chr08	9199392	AA	TT	1940426199
SNP_P1_161647_9200048	NC_021167.1	Ca_kabuli_chr08	9200048	CC	GG	1940426200
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SNP_P1_161671_9207026	NC_021167.1	Ca_kabuli_chr08	9207026	AA	TT	1940426217
SNP_P1_161672_9207217	NC_021167.1	Ca_kabuli_chr08	9207217	TT	GG	1940426218
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SNP_P1_161678_9207420	NC_021167.1	Ca_kabuli_chr08	9207420	GG	AA	1940426223
SNP_P1_161679_9207424	NC_021167.1	Ca_kabuli_chr08	9207424	TT	CC	1940426224
SNP_P1_161680_9207523	NC_021167.1	Ca_kabuli_chr08	9207523	AA	GG	1940426225
SNP_P1_161681_9207590	NC_021167.1	Ca_kabuli_chr08	9207590	CC	TT	1940426226
SNP_P1_161682_9208219	NC_021167.1	Ca_kabuli_chr08	9208219	CC	TT	1940426227
SNP_P1_161683_9208228	NC_021167.1	Ca_kabuli_chr08	9208228	TT	GG	1940426228
SNP_P1_161684_9208338	NC_021167.1	Ca_kabuli_chr08	9208338	AA	CC	1940426229

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161689_9208446	NC_021167.1	Ca_kabuli_chr08	9208446	AA	GG	1940426233
SNP_P1_161690_9208450	NC_021167.1	Ca_kabuli_chr08	9208450	GG	AA	1940426234
SNP_P1_161691_9208540	NC_021167.1	Ca_kabuli_chr08	9208540	AA	GG	1940426235
SNP_P1_161692_9212500	NC_021167.1	Ca_kabuli_chr08	9212500	AA	GG	1940426236
SNP_P1_161693_9212542	NC_021167.1	Ca_kabuli_chr08	9212542	CC	TT	1940426237
SNP_P1_161694_9213421	NC_021167.1	Ca_kabuli_chr08	9213421	TT	GG	1940426238
SNP_P1_161695_9213463	NC_021167.1	Ca_kabuli_chr08	9213463	TT	AA	1940426239
SNP_P1_161696_9213660	NC_021167.1	Ca_kabuli_chr08	9213660	AA	GG	1940426240
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SNP_P1_161698_9213702	NC_021167.1	Ca_kabuli_chr08	9213702	TT	GG	1940426242
SNP_P1_161699_9213741	NC_021167.1	Ca_kabuli_chr08	9213741	TT	GG	1940426243
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SNP_P1_161703_9214136	NC_021167.1	Ca_kabuli_chr08	9214136	CC	TT	1940426245
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SNP_P1_161705_9214255	NC_021167.1	Ca_kabuli_chr08	9214255	CC	TT	1940426247
SNP_P1_161706_9214528	NC_021167.1	Ca_kabuli_chr08	9214528	GG	AA	1940426248
SNP_P1_161708_9215363	NC_021167.1	Ca_kabuli_chr08	9215363	CC	TT	1940426249
SNP_P1_161710_9215912	NC_021167.1	Ca_kabuli_chr08	9215912	GG	AA	1940426250
SNP_P1_161711_9216192	NC_021167.1	Ca_kabuli_chr08	9216192	GG	AA	1940426251
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SNP_P1_161713_9216663	NC_021167.1	Ca_kabuli_chr08	9216663	AA	GG	1940426253
SNP_P1_161715_9217317	NC_021167.1	Ca_kabuli_chr08	9217317	CC	AA	1940426254
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SNP_P1_161719_9218080	NC_021167.1	Ca_kabuli_chr08	9218080	GG	AA	1940426256
SNP_P1_161720_9218131	NC_021167.1	Ca_kabuli_chr08	9218131	GG	CC	1940426257
SNP_P1_161721_9218409	NC_021167.1	Ca_kabuli_chr08	9218409	TT	CC	1940426258
SNP_P1_161722_9218436	NC_021167.1	Ca_kabuli_chr08	9218436	AA	CC	1940426259
SNP_P1_161723_9218769	NC_021167.1	Ca_kabuli_chr08	9218769	GG	AA	1940426260
SNP_P1_161724_9219117	NC_021167.1	Ca_kabuli_chr08	9219117	TT	CC	1940426261
SNP_P1_161725_9219162	NC_021167.1	Ca_kabuli_chr08	9219162	CC	TT	1940426262
SNP_P1_161726_9219619	NC_021167.1	Ca_kabuli_chr08	9219619	CC	TT	1940426263
SNP_P1_161728_9219855	NC_021167.1	Ca_kabuli_chr08	9219855	AA	GG	1940426264
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SNP_P1_161731_9220050	NC_021167.1	Ca_kabuli_chr08	9220050	GG	AA	1940426268
SNP_P1_161732_9220054	NC_021167.1	Ca_kabuli_chr08	9220054	CC	AA	1940426269
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SNP_P1_161735_9220333	NC_021167.1	Ca_kabuli_chr08	9220333	GG	AA	1940426271
SNP_P1_161737_9220654	NC_021167.1	Ca_kabuli_chr08	9220654	CC	GG	1940426272

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161740_9234233	NC_021167.1	Ca_kabuli_chr08	9234233	CC	AA	1940426275
SNP_P1_161741_9234236	NC_021167.1	Ca_kabuli_chr08	9234236	TT	AA	1940426276
SNP_P1_161742_9234261	NC_021167.1	Ca_kabuli_chr08	9234261	AA	CC	1940426277
SNP_P1_161744_9251423	NC_021167.1	Ca_kabuli_chr08	9251423	AA	GG	1940426278
SNP_P1_161746_9268550	NC_021167.1	Ca_kabuli_chr08	9268550	CC	AA	1940426279
SNP_P1_161747_9268573	NC_021167.1	Ca_kabuli_chr08	9268573	GG	TT	1940426280
SNP_P1_161748_9268581	NC_021167.1	Ca_kabuli_chr08	9268581	AA	CC	1940426281
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SNP_P1_161775_9323547	NC_021167.1	Ca_kabuli_chr08	9323547	AA	TT	1940426305
SNP_P1_161777_9323905	NC_021167.1	Ca_kabuli_chr08	9323905	TT	AA	1940426306
SNP_P1_161778_9324064	NC_021167.1	Ca_kabuli_chr08	9324064	CC	TT	1940426307
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SNP_P1_161787_9363258	NC_021167.1	Ca_kabuli_chr08	9363258	GG	AA	1940426313
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SNP_P1_161792_9363966	NC_021167.1	Ca_kabuli_chr08	9363966	CC	TT	1940426318
SNP_P1_161793_9363967	NC_021167.1	Ca_kabuli_chr08	9363967	AA	GG	1940426319
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SNP_P1_161797_9364467	NC_021167.1	Ca_kabuli_chr08	9364467	TT	GG	1940426323
SNP_P1_161798_9364512	NC_021167.1	Ca_kabuli_chr08	9364512	AA	CC	1940426324
SNP_P1_161800_9364587	NC_021167.1	Ca_kabuli_chr08	9364587	TT	CC	1940426325
SNP_P1_161801_9365535	NC_021167.1	Ca_kabuli_chr08	9365535	GG	AA	1940426326
SNP_P1_161802_9369179	NC_021167.1	Ca_kabuli_chr08	9369179	AA	GG	1940426327
SNP_P1_161803_9371882	NC_021167.1	Ca_kabuli_chr08	9371882	TT	CC	1940426328
SNP_P1_161804_9374287	NC_021167.1	Ca_kabuli_chr08	9374287	GG	AA	1940426329
SNP_P1_161805_9374291	NC_021167.1	Ca_kabuli_chr08	9374291	GG	AA	1940426330
SNP_P1_161806_9374329	NC_021167.1	Ca_kabuli_chr08	9374329	TT	CC	1940426331
SNP_P1_161807_9375539	NC_021167.1	Ca_kabuli_chr08	9375539	GG	AA	1940426332
SNP_P1_161810_9376548	NC_021167.1	Ca_kabuli_chr08	9376548	AA	GG	1940426333
SNP_P1_161811_9377942	NC_021167.1	Ca_kabuli_chr08	9377942	GG	AA	1940426334
SNP_P1_161812_9378060	NC_021167.1	Ca_kabuli_chr08	9378060	AA	TT	1940426335
SNP_P1_161813_9378135	NC_021167.1	Ca_kabuli_chr08	9378135	CC	TT	1940426336
SNP_P1_161814_9378157	NC_021167.1	Ca_kabuli_chr08	9378157	CC	TT	1940426337
SNP_P1_161815_9379275	NC_021167.1	Ca_kabuli_chr08	9379275	CC	AA	1940426338
SNP_P1_161816_9379427	NC_021167.1	Ca_kabuli_chr08	9379427	GG	AA	1940426339
SNP_P1_161817_9379467	NC_021167.1	Ca_kabuli_chr08	9379467	AA	GG	1940426340
SNP_P1_161818_9379468	NC_021167.1	Ca_kabuli_chr08	9379468	GG	AA	1940426341
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SNP_P1_161820_9379578	NC_021167.1	Ca_kabuli_chr08	9379578	GG	TT	1940426343
SNP_P1_161821_9380023	NC_021167.1	Ca_kabuli_chr08	9380023	CC	AA	1940426344
SNP_P1_161822_9381235	NC_021167.1	Ca_kabuli_chr08	9381235	AA	GG	1940426345
SNP_P1_161824_9385491	NC_021167.1	Ca_kabuli_chr08	9385491	GG	AA	1940426346
SNP_P1_161825_9386042	NC_021167.1	Ca_kabuli_chr08	9386042	GG	CC	1940426347
SNP_P1_161826_9387897	NC_021167.1	Ca_kabuli_chr08	9387897	TT	CC	1940426348
SNP_P1_161827_9390734	NC_021167.1	Ca_kabuli_chr08	9390734	TT	CC	1940426349
SNP_P1_161828_9391070	NC_021167.1	Ca_kabuli_chr08	9391070	TT	CC	1940426350
SNP_P1_161829_9391143	NC_021167.1	Ca_kabuli_chr08	9391143	AA	GG	1940426351
SNP_P1_161830_9391183	NC_021167.1	Ca_kabuli_chr08	9391183	AA	CC	1940426352
SNP_P1_161831_9391849	NC_021167.1	Ca_kabuli_chr08	9391849	GG	AA	1940426353
SNP_P1_161832_9391880	NC_021167.1	Ca_kabuli_chr08	9391880	AA	GG	1940426354
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SNP_P1_161835_9392988	NC_021167.1	Ca_kabuli_chr08	9392988	GG	AA	1940426356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161837_9393082	NC_021167.1	Ca_kabuli_chr08	9393082	AA	GG	1940426358
SNP_P1_161838_9393213	NC_021167.1	Ca_kabuli_chr08	9393213	AA	CC	1940426359
SNP_P1_161839_9393873	NC_021167.1	Ca_kabuli_chr08	9393873	GG	AA	1940426360
SNP_P1_161840_9394183	NC_021167.1	Ca_kabuli_chr08	9394183	CC	AA	1940426361
SNP_P1_161841_9394557	NC_021167.1	Ca_kabuli_chr08	9394557	TT	CC	1940426362
SNP_P1_161842_9394932	NC_021167.1	Ca_kabuli_chr08	9394932	TT	AA	1940426363
SNP_P1_161843_9395660	NC_021167.1	Ca_kabuli_chr08	9395660	CC	TT	1940426364
SNP_P1_161844_9396330	NC_021167.1	Ca_kabuli_chr08	9396330	AA	GG	1940426365
SNP_P1_161845_9396383	NC_021167.1	Ca_kabuli_chr08	9396383	TT	CC	1940426366
SNP_P1_161846_9397306	NC_021167.1	Ca_kabuli_chr08	9397306	GG	AA	1940426367
SNP_P1_161847_9399405	NC_021167.1	Ca_kabuli_chr08	9399405	GG	AA	1940426368
SNP_P1_161848_9402075	NC_021167.1	Ca_kabuli_chr08	9402075	CC	GG	1940426369
SNP_P1_161849_9402355	NC_021167.1	Ca_kabuli_chr08	9402355	AA	TT	1940426370
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SNP_P1_161851_9403873	NC_021167.1	Ca_kabuli_chr08	9403873	TT	AA	1940426372
SNP_P1_161852_9405057	NC_021167.1	Ca_kabuli_chr08	9405057	TT	CC	1940426373
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SNP_P1_161855_9407417	NC_021167.1	Ca_kabuli_chr08	9407417	TT	AA	1940426375
SNP_P1_161857_9408138	NC_021167.1	Ca_kabuli_chr08	9408138	TT	AA	1940426376
SNP_P1_161858_9416622	NC_021167.1	Ca_kabuli_chr08	9416622	AA	CC	1940426377
SNP_P1_161860_9950730	NC_021167.1	Ca_kabuli_chr08	9950730	AA	GG	1940426378
SNP_P1_161861_9950744	NC_021167.1	Ca_kabuli_chr08	9950744	GG	AA	1940426379
SNP_P1_161862_9950803	NC_021167.1	Ca_kabuli_chr08	9950803	CC	TT	1940426380
SNP_P1_161863_9950828	NC_021167.1	Ca_kabuli_chr08	9950828	TT	AA	1940426381
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SNP_P1_161867_9951664	NC_021167.1	Ca_kabuli_chr08	9951664	GG	TT	1940426384
SNP_P1_161870_9953395	NC_021167.1	Ca_kabuli_chr08	9953395	CC	AA	1940426385
SNP_P1_161871_9957133	NC_021167.1	Ca_kabuli_chr08	9957133	CC	AA	1940426386
SNP_P1_161872_9957165	NC_021167.1	Ca_kabuli_chr08	9957165	CC	TT	1940426387
SNP_P1_161873_9957573	NC_021167.1	Ca_kabuli_chr08	9957573	GG	TT	1940426388
SNP_P1_161874_9957574	NC_021167.1	Ca_kabuli_chr08	9957574	TT	AA	1940426389
SNP_P1_161875_9957675	NC_021167.1	Ca_kabuli_chr08	9957675	CC	TT	1940426390
SNP_P1_161876_9957717	NC_021167.1	Ca_kabuli_chr08	9957717	GG	AA	1940426391
SNP_P1_161877_9958331	NC_021167.1	Ca_kabuli_chr08	9958331	AA	GG	1940426392
SNP_P1_161878_9958631	NC_021167.1	Ca_kabuli_chr08	9958631	AA	CC	1940426393
SNP_P1_161879_9958859	NC_021167.1	Ca_kabuli_chr08	9958859	GG	AA	1940426394
SNP_P1_161880_9959002	NC_021167.1	Ca_kabuli_chr08	9959002	CC	TT	1940426395
SNP_P1_161881_9959035	NC_021167.1	Ca_kabuli_chr08	9959035	AA	CC	1940426396
SNP_P1_161882_9959695	NC_021167.1	Ca_kabuli_chr08	9959695	AA	TT	1940426397
SNP_P1_161883_9959696	NC_021167.1	Ca_kabuli_chr08	9959696	CC	TT	1940426398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161886_9959949	NC_021167.1	Ca_kabuli_chr08	9959949	AA	GG	1940426401
SNP_P1_161887_9959951	NC_021167.1	Ca_kabuli_chr08	9959951	TT	CC	1940426402
SNP_P1_161889_9960326	NC_021167.1	Ca_kabuli_chr08	9960326	GG	AA	1940426403
SNP_P1_161890_9960472	NC_021167.1	Ca_kabuli_chr08	9960472	CC	TT	1940426404
SNP_P1_161891_9960475	NC_021167.1	Ca_kabuli_chr08	9960475	TT	GG	1940426405
SNP_P1_161892_9964599	NC_021167.1	Ca_kabuli_chr08	9964599	AA	TT	1940426406
SNP_P1_161893_9964677	NC_021167.1	Ca_kabuli_chr08	9964677	TT	CC	1940426407
SNP_P1_161894_9964722	NC_021167.1	Ca_kabuli_chr08	9964722	GG	AA	1940426408
SNP_P1_161895_9964726	NC_021167.1	Ca_kabuli_chr08	9964726	CC	TT	1940426409
SNP_P1_161896_9965153	NC_021167.1	Ca_kabuli_chr08	9965153	CC	TT	1940426410
SNP_P1_161897_9965304	NC_021167.1	Ca_kabuli_chr08	9965304	CC	AA	1940426411
SNP_P1_161898_9965305	NC_021167.1	Ca_kabuli_chr08	9965305	AA	CC	1940426412
SNP_P1_161899_9965308	NC_021167.1	Ca_kabuli_chr08	9965308	GG	TT	1940426413
SNP_P1_161900_9965309	NC_021167.1	Ca_kabuli_chr08	9965309	CC	AA	1940426414
SNP_P1_161901_9965310	NC_021167.1	Ca_kabuli_chr08	9965310	AA	TT	1940426415
SNP_P1_161902_9965311	NC_021167.1	Ca_kabuli_chr08	9965311	AA	GG	1940426416
SNP_P1_161903_9965312	NC_021167.1	Ca_kabuli_chr08	9965312	GG	CC	1940426417
SNP_P1_161904_9965341	NC_021167.1	Ca_kabuli_chr08	9965341	GG	AA	1940426418
SNP_P1_161905_9965343	NC_021167.1	Ca_kabuli_chr08	9965343	GG	AA	1940426419
SNP_P1_161906_9969160	NC_021167.1	Ca_kabuli_chr08	9969160	AA	TT	1940426420
SNP_P1_161907_9969170	NC_021167.1	Ca_kabuli_chr08	9969170	CC	GG	1940426422
SNP_P1_161908_9969171	NC_021167.1	Ca_kabuli_chr08	9969171	TT	CC	1940426423
SNP_P1_161909_9969212	NC_021167.1	Ca_kabuli_chr08	9969212	CC	TT	1940426424
SNP_P1_161910_9969426	NC_021167.1	Ca_kabuli_chr08	9969426	GG	AA	1940426425
SNP_P1_161911_9969533	NC_021167.1	Ca_kabuli_chr08	9969533	TT	CC	1940426426
SNP_P1_161912_9970910	NC_021167.1	Ca_kabuli_chr08	9970910	CC	TT	1940426427
SNP_P1_161913_9971054	NC_021167.1	Ca_kabuli_chr08	9971054	TT	CC	1940426428
SNP_P1_161914_9971058	NC_021167.1	Ca_kabuli_chr08	9971058	TT	GG	1940426429
SNP_P1_161915_9971182	NC_021167.1	Ca_kabuli_chr08	9971182	CC	TT	1940426430
SNP_P1_161916_9972126	NC_021167.1	Ca_kabuli_chr08	9972126	TT	AA	1940426431
SNP_P1_161917_9974153	NC_021167.1	Ca_kabuli_chr08	9974153	AA	CC	1940426432
SNP_P1_161918_9974267	NC_021167.1	Ca_kabuli_chr08	9974267	TT	CC	1940426433
SNP_P1_161919_9974279	NC_021167.1	Ca_kabuli_chr08	9974279	CC	TT	1940426434
SNP_P1_161920_9974315	NC_021167.1	Ca_kabuli_chr08	9974315	CC	TT	1940426435
SNP_P1_161921_9974323	NC_021167.1	Ca_kabuli_chr08	9974323	AA	CC	1940426436
SNP_P1_161922_9974325	NC_021167.1	Ca_kabuli_chr08	9974325	AA	CC	1940426437
SNP_P1_161923_9974326	NC_021167.1	Ca_kabuli_chr08	9974326	GG	AA	1940426438
SNP_P1_161924_9974417	NC_021167.1	Ca_kabuli_chr08	9974417	AA	TT	1940426439
SNP_P1_161925_9974531	NC_021167.1	Ca_kabuli_chr08	9974531	AA	GG	1940426440
SNP_P1_161926_9974533	NC_021167.1	Ca_kabuli_chr08	9974533	TT	CC	1940426441

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_161927_9974553	NC_021167.1	Ca_kabuli_chr08	9974553	AA	TT	1940426442
SNP_P1_161928_9974557	NC_021167.1	Ca_kabuli_chr08	9974557	AA	TT	1940426443
SNP_P1_161929_9974558	NC_021167.1	Ca_kabuli_chr08	9974558	TT	AA	1940426444
SNP_P1_161930_9974559	NC_021167.1	Ca_kabuli_chr08	9974559	AA	TT	1940426445
SNP_P1_161931_9974560	NC_021167.1	Ca_kabuli_chr08	9974560	AA	TT	1940426446
SNP_P1_161932_9974601	NC_021167.1	Ca_kabuli_chr08	9974601	CC	TT	1940426447
SNP_P1_161933_9974624	NC_021167.1	Ca_kabuli_chr08	9974624	TT	CC	1940426448
SNP_P1_161934_9974654	NC_021167.1	Ca_kabuli_chr08	9974654	CC	AA	1940426449
SNP_P1_161935_9974670	NC_021167.1	Ca_kabuli_chr08	9974670	GG	AA	1940426450
SNP_P1_161936_9974672	NC_021167.1	Ca_kabuli_chr08	9974672	CC	AA	1940426451
SNP_P1_161937_9974680	NC_021167.1	Ca_kabuli_chr08	9974680	TT	CC	1940426452
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SNP_P1_161940_9974764	NC_021167.1	Ca_kabuli_chr08	9974764	GG	TT	1940426455
SNP_P1_161941_9974766	NC_021167.1	Ca_kabuli_chr08	9974766	GG	AA	1940426456
SNP_P1_161942_9974772	NC_021167.1	Ca_kabuli_chr08	9974772	AA	CC	1940426457
SNP_P1_161944_10023272	NC_021167.1	Ca_kabuli_chr08	10023272	TT	AA	1940426458
SNP_P1_161945_10023279	NC_021167.1	Ca_kabuli_chr08	10023279	AA	GG	1940426459
SNP_P1_161946_10023295	NC_021167.1	Ca_kabuli_chr08	10023295	AA	GG	1940426460
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SNP_P1_161951_10061285	NC_021167.1	Ca_kabuli_chr08	10061285	GG	AA	1940426464
SNP_P1_161952_10062352	NC_021167.1	Ca_kabuli_chr08	10062352	CC	AA	1940426465
SNP_P1_161953_10064458	NC_021167.1	Ca_kabuli_chr08	10064458	AA	GG	1940426466
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SNP_P1_161955_10064569	NC_021167.1	Ca_kabuli_chr08	10064569	AA	CC	1940426468
SNP_P1_161956_10064578	NC_021167.1	Ca_kabuli_chr08	10064578	TT	GG	1940426469
SNP_P1_161957_10064679	NC_021167.1	Ca_kabuli_chr08	10064679	TT	CC	1940426470
SNP_P1_161958_10064692	NC_021167.1	Ca_kabuli_chr08	10064692	AA	GG	1940426471
SNP_P1_161959_10064878	NC_021167.1	Ca_kabuli_chr08	10064878	AA	GG	1940426472
SNP_P1_161960_10064892	NC_021167.1	Ca_kabuli_chr08	10064892	TT	CC	1940426473
SNP_P1_161961_10064904	NC_021167.1	Ca_kabuli_chr08	10064904	AA	GG	1940426474
SNP_P1_161962_10064906	NC_021167.1	Ca_kabuli_chr08	10064906	AA	CC	1940426475
SNP_P1_161963_10064907	NC_021167.1	Ca_kabuli_chr08	10064907	GG	AA	1940426476
SNP_P1_161964_10064987	NC_021167.1	Ca_kabuli_chr08	10064987	GG	AA	1940426477
SNP_P1_161965_10065030	NC_021167.1	Ca_kabuli_chr08	10065030	GG	CC	1940426478
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SNP_P1_161968_10096587	NC_021167.1	Ca_kabuli_chr08	10096587	GG	AA	1940426481
SNP_P1_161969_10107598	NC_021167.1	Ca_kabuli_chr08	10107598	CC	AA	1940426482
SNP_P1_161970_10107610	NC_021167.1	Ca_kabuli_chr08	10107610	GG	AA	1940426483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_161976_10217222	NC_021167.1	Ca_kabuli_chr08	10217222	AA	TT	1940426487
SNP_P1_161977_10217407	NC_021167.1	Ca_kabuli_chr08	10217407	GG	TT	1940426488
SNP_P1_161978_10217410	NC_021167.1	Ca_kabuli_chr08	10217410	CC	TT	1940426489
SNP_P1_161979_10217426	NC_021167.1	Ca_kabuli_chr08	10217426	AA	GG	1940426490
SNP_P1_161980_10217624	NC_021167.1	Ca_kabuli_chr08	10217624	GG	AA	1940426491
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SNP_P1_161985_10339464	NC_021167.1	Ca_kabuli_chr08	10339464	TT	CC	1940426494
SNP_P1_161986_10350257	NC_021167.1	Ca_kabuli_chr08	10350257	TT	AA	1940426495
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SNP_P1_161991_10356170	NC_021167.1	Ca_kabuli_chr08	10356170	AA	GG	1940426499
SNP_P1_161992_10357058	NC_021167.1	Ca_kabuli_chr08	10357058	AA	GG	1940426500
SNP_P1_161994_10357254	NC_021167.1	Ca_kabuli_chr08	10357254	AA	CC	1940426501
SNP_P1_161995_10357277	NC_021167.1	Ca_kabuli_chr08	10357277	GG	AA	1940426502
SNP_P1_161996_10362494	NC_021167.1	Ca_kabuli_chr08	10362494	CC	AA	1940426503
SNP_P1_161997_10363410	NC_021167.1	Ca_kabuli_chr08	10363410	GG	AA	1940426504
SNP_P1_161998_10363499	NC_021167.1	Ca_kabuli_chr08	10363499	AA	TT	1940426505
SNP_P1_161999_10363823	NC_021167.1	Ca_kabuli_chr08	10363823	AA	CC	1940426506
SNP_P1_162001_10364122	NC_021167.1	Ca_kabuli_chr08	10364122	GG	AA	1940426507
SNP_P1_162002_10364295	NC_021167.1	Ca_kabuli_chr08	10364295	CC	AA	1940426508
SNP_P1_162003_10364328	NC_021167.1	Ca_kabuli_chr08	10364328	TT	CC	1940426509
SNP_P1_162004_10364411	NC_021167.1	Ca_kabuli_chr08	10364411	GG	AA	1940426510
SNP_P1_162005_10364556	NC_021167.1	Ca_kabuli_chr08	10364556	CC	TT	1940426511
SNP_P1_162006_10366090	NC_021167.1	Ca_kabuli_chr08	10366090	CC	TT	1940426512
SNP_P1_162008_10366760	NC_021167.1	Ca_kabuli_chr08	10366760	GG	TT	1940426513
SNP_P1_162009_10366874	NC_021167.1	Ca_kabuli_chr08	10366874	TT	CC	1940426514
SNP_P1_162010_10366880	NC_021167.1	Ca_kabuli_chr08	10366880	TT	CC	1940426515
SNP_P1_162011_10366912	NC_021167.1	Ca_kabuli_chr08	10366912	CC	AA	1940426516
SNP_P1_162012_10366921	NC_021167.1	Ca_kabuli_chr08	10366921	CC	TT	1940426517
SNP_P1_162013_10366974	NC_021167.1	Ca_kabuli_chr08	10366974	AA	GG	1940426518
SNP_P1_162014_10366984	NC_021167.1	Ca_kabuli_chr08	10366984	AA	GG	1940426519
SNP_P1_162015_10367254	NC_021167.1	Ca_kabuli_chr08	10367254	TT	CC	1940426520
SNP_P1_162016_10367281	NC_021167.1	Ca_kabuli_chr08	10367281	TT	CC	1940426521
SNP_P1_162017_10371991	NC_021167.1	Ca_kabuli_chr08	10371991	AA	GG	1940426522
SNP_P1_162018_10373553	NC_021167.1	Ca_kabuli_chr08	10373553	CC	GG	1940426523
SNP_P1_162019_10374319	NC_021167.1	Ca_kabuli_chr08	10374319	CC	TT	1940426524
SNP_P1_162020_10374825	NC_021167.1	Ca_kabuli_chr08	10374825	AA	GG	1940426525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162022_10374988	NC_021167.1	Ca_kabuli_chr08	10374988	TT	GG	1940426527
SNP_P1_162023_10375081	NC_021167.1	Ca_kabuli_chr08	10375081	TT	CC	1940426528
SNP_P1_162024_10375101	NC_021167.1	Ca_kabuli_chr08	10375101	TT	CC	1940426529
SNP_P1_162025_10375316	NC_021167.1	Ca_kabuli_chr08	10375316	GG	AA	1940426530
SNP_P1_162026_10375381	NC_021167.1	Ca_kabuli_chr08	10375381	GG	AA	1940426531
SNP_P1_162027_10375449	NC_021167.1	Ca_kabuli_chr08	10375449	GG	TT	1940426532
SNP_P1_162028_10375504	NC_021167.1	Ca_kabuli_chr08	10375504	CC	AA	1940426533
SNP_P1_162029_10375511	NC_021167.1	Ca_kabuli_chr08	10375511	TT	CC	1940426534
SNP_P1_162030_10375520	NC_021167.1	Ca_kabuli_chr08	10375520	AA	GG	1940426535
SNP_P1_162031_10375545	NC_021167.1	Ca_kabuli_chr08	10375545	AA	TT	1940426536
SNP_P1_162032_10375554	NC_021167.1	Ca_kabuli_chr08	10375554	AA	TT	1940426537
SNP_P1_162034_10375580	NC_021167.1	Ca_kabuli_chr08	10375580	CC	TT	1940426538
SNP_P1_162035_10375602	NC_021167.1	Ca_kabuli_chr08	10375602	AA	GG	1940426539
SNP_P1_162036_10375679	NC_021167.1	Ca_kabuli_chr08	10375679	TT	CC	1940426540
SNP_P1_162037_10375682	NC_021167.1	Ca_kabuli_chr08	10375682	CC	GG	1940426541
SNP_P1_162038_10375686	NC_021167.1	Ca_kabuli_chr08	10375686	AA	GG	1940426542
SNP_P1_162039_10375690	NC_021167.1	Ca_kabuli_chr08	10375690	CC	TT	1940426543
SNP_P1_162040_10375734	NC_021167.1	Ca_kabuli_chr08	10375734	TT	AA	1940426544
SNP_P1_162041_10375752	NC_021167.1	Ca_kabuli_chr08	10375752	CC	TT	1940426545
SNP_P1_162042_10375805	NC_021167.1	Ca_kabuli_chr08	10375805	GG	AA	1940426546
SNP_P1_162043_10375832	NC_021167.1	Ca_kabuli_chr08	10375832	GG	AA	1940426547
SNP_P1_162044_10375858	NC_021167.1	Ca_kabuli_chr08	10375858	TT	CC	1940426548
SNP_P1_162045_10375903	NC_021167.1	Ca_kabuli_chr08	10375903	AA	TT	1940426549
SNP_P1_162046_10375907	NC_021167.1	Ca_kabuli_chr08	10375907	GG	AA	1940426550
SNP_P1_162047_10375910	NC_021167.1	Ca_kabuli_chr08	10375910	TT	CC	1940426551
SNP_P1_162048_10375935	NC_021167.1	Ca_kabuli_chr08	10375935	GG	CC	1940426552
SNP_P1_162049_10375954	NC_021167.1	Ca_kabuli_chr08	10375954	GG	CC	1940426553
SNP_P1_162050_10376028	NC_021167.1	Ca_kabuli_chr08	10376028	AA	GG	1940426554
SNP_P1_162051_10376030	NC_021167.1	Ca_kabuli_chr08	10376030	AA	GG	1940426555
SNP_P1_162052_10376057	NC_021167.1	Ca_kabuli_chr08	10376057	GG	AA	1940426556
SNP_P1_162053_10376116	NC_021167.1	Ca_kabuli_chr08	10376116	AA	GG	1940426557
SNP_P1_162054_10376121	NC_021167.1	Ca_kabuli_chr08	10376121	CC	TT	1940426558
SNP_P1_162055_10376145	NC_021167.1	Ca_kabuli_chr08	10376145	AA	TT	1940426559
SNP_P1_162056_10376175	NC_021167.1	Ca_kabuli_chr08	10376175	AA	CC	1940426560
SNP_P1_162057_10376281	NC_021167.1	Ca_kabuli_chr08	10376281	GG	AA	1940426561
SNP_P1_162058_10376461	NC_021167.1	Ca_kabuli_chr08	10376461	CC	AA	1940426562
SNP_P1_162059_10376568	NC_021167.1	Ca_kabuli_chr08	10376568	TT	CC	1940426563
SNP_P1_162060_10376672	NC_021167.1	Ca_kabuli_chr08	10376672	GG	AA	1940426564
SNP_P1_162061_10376680	NC_021167.1	Ca_kabuli_chr08	10376680	AA	TT	1940426565
SNP_P1_162062_10377577	NC_021167.1	Ca_kabuli_chr08	10377577	GG	AA	1940426566
SNP_P1_162063_10378470	NC_021167.1	Ca_kabuli_chr08	10378470	CC	GG	1940426567

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162065_10378527	NC_021167.1	Ca_kabuli_chr08	10378527	CC	AA	1940426569
SNP_P1_162066_10378606	NC_021167.1	Ca_kabuli_chr08	10378606	TT	CC	1940426570
SNP_P1_162067_10378819	NC_021167.1	Ca_kabuli_chr08	10378819	AA	TT	1940426571
SNP_P1_162068_10378852	NC_021167.1	Ca_kabuli_chr08	10378852	CC	TT	1940426572
SNP_P1_162069_10378883	NC_021167.1	Ca_kabuli_chr08	10378883	GG	AA	1940426573
SNP_P1_162070_10380756	NC_021167.1	Ca_kabuli_chr08	10380756	AA	GG	1940426574
SNP_P1_162071_10380779	NC_021167.1	Ca_kabuli_chr08	10380779	AA	CC	1940426575
SNP_P1_162072_10380864	NC_021167.1	Ca_kabuli_chr08	10380864	AA	CC	1940426576
SNP_P1_162073_10380901	NC_021167.1	Ca_kabuli_chr08	10380901	GG	AA	1940426578
SNP_P1_162074_10380925	NC_021167.1	Ca_kabuli_chr08	10380925	CC	TT	1940426579
SNP_P1_162075_10380968	NC_021167.1	Ca_kabuli_chr08	10380968	GG	AA	1940426580
SNP_P1_162076_10380992	NC_021167.1	Ca_kabuli_chr08	10380992	AA	TT	1940426581
SNP_P1_162077_10381010	NC_021167.1	Ca_kabuli_chr08	10381010	GG	AA	1940426582
SNP_P1_162078_10381169	NC_021167.1	Ca_kabuli_chr08	10381169	AA	GG	1940426583
SNP_P1_162079_10381175	NC_021167.1	Ca_kabuli_chr08	10381175	TT	GG	1940426584
SNP_P1_162080_10381189	NC_021167.1	Ca_kabuli_chr08	10381189	TT	CC	1940426585
SNP_P1_162081_10381216	NC_021167.1	Ca_kabuli_chr08	10381216	GG	AA	1940426586
SNP_P1_162082_10381234	NC_021167.1	Ca_kabuli_chr08	10381234	TT	CC	1940426587
SNP_P1_162083_10381256	NC_021167.1	Ca_kabuli_chr08	10381256	TT	CC	1940426588
SNP_P1_162084_10381307	NC_021167.1	Ca_kabuli_chr08	10381307	CC	AA	1940426589
SNP_P1_162085_10381453	NC_021167.1	Ca_kabuli_chr08	10381453	CC	TT	1940426590
SNP_P1_162086_10381473	NC_021167.1	Ca_kabuli_chr08	10381473	TT	CC	1940426591
SNP_P1_162087_10381502	NC_021167.1	Ca_kabuli_chr08	10381502	GG	AA	1940426592
SNP_P1_162088_10381522	NC_021167.1	Ca_kabuli_chr08	10381522	AA	CC	1940426593
SNP_P1_162089_10381782	NC_021167.1	Ca_kabuli_chr08	10381782	CC	TT	1940426594
SNP_P1_162090_10386950	NC_021167.1	Ca_kabuli_chr08	10386950	TT	GG	1940426595
SNP_P1_162091_10386964	NC_021167.1	Ca_kabuli_chr08	10386964	AA	TT	1940426596
SNP_P1_162092_10387025	NC_021167.1	Ca_kabuli_chr08	10387025	TT	CC	1940426597
SNP_P1_162093_10387074	NC_021167.1	Ca_kabuli_chr08	10387074	AA	GG	1940426598
SNP_P1_162094_10387189	NC_021167.1	Ca_kabuli_chr08	10387189	TT	AA	1940426599
SNP_P1_162095_10387233	NC_021167.1	Ca_kabuli_chr08	10387233	TT	CC	1940426600
SNP_P1_162096_10387236	NC_021167.1	Ca_kabuli_chr08	10387236	TT	GG	1940426601
SNP_P1_162097_10387238	NC_021167.1	Ca_kabuli_chr08	10387238	TT	AA	1940426602
SNP_P1_162098_10387267	NC_021167.1	Ca_kabuli_chr08	10387267	AA	GG	1940426603
SNP_P1_162099_10387292	NC_021167.1	Ca_kabuli_chr08	10387292	GG	TT	1940426604
SNP_P1_162100_10387321	NC_021167.1	Ca_kabuli_chr08	10387321	TT	GG	1940426605
SNP_P1_162101_10387409	NC_021167.1	Ca_kabuli_chr08	10387409	AA	CC	1940426606
SNP_P1_162102_10387436	NC_021167.1	Ca_kabuli_chr08	10387436	TT	GG	1940426607
SNP_P1_162103_10387454	NC_021167.1	Ca_kabuli_chr08	10387454	AA	GG	1940426608
SNP_P1_162104_10387630	NC_021167.1	Ca_kabuli_chr08	10387630	GG	AA	1940426609
SNP_P1_162105_10387683	NC_021167.1	Ca_kabuli_chr08	10387683	GG	TT	1940426610

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162107_10387698	NC_021167.1	Ca_kabuli_chr08	10387698	AA	TT	1940426612
SNP_P1_162108_10387738	NC_021167.1	Ca_kabuli_chr08	10387738	GG	CC	1940426613
SNP_P1_162109_10387966	NC_021167.1	Ca_kabuli_chr08	10387966	AA	GG	1940426614
SNP_P1_162110_10387993	NC_021167.1	Ca_kabuli_chr08	10387993	TT	CC	1940426615
SNP_P1_162111_10403285	NC_021167.1	Ca_kabuli_chr08	10403285	AA	TT	1940426616
SNP_P1_162112_10412134	NC_021167.1	Ca_kabuli_chr08	10412134	AA	GG	1940426617
SNP_P1_162113_10412284	NC_021167.1	Ca_kabuli_chr08	10412284	GG	AA	1940426618
SNP_P1_162114_10412347	NC_021167.1	Ca_kabuli_chr08	10412347	CC	TT	1940426619
SNP_P1_162115_10412387	NC_021167.1	Ca_kabuli_chr08	10412387	CC	AA	1940426620
SNP_P1_162116_10412632	NC_021167.1	Ca_kabuli_chr08	10412632	GG	TT	1940426621
SNP_P1_162117_10412651	NC_021167.1	Ca_kabuli_chr08	10412651	AA	TT	1940426622
SNP_P1_162118_10420078	NC_021167.1	Ca_kabuli_chr08	10420078	TT	CC	1940426623
SNP_P1_162120_10509107	NC_021167.1	Ca_kabuli_chr08	10509107	CC	TT	1940426624
SNP_P1_162121_10509130	NC_021167.1	Ca_kabuli_chr08	10509130	AA	CC	1940426625
SNP_P1_162122_10509134	NC_021167.1	Ca_kabuli_chr08	10509134	CC	TT	1940426626
SNP_P1_162123_10509191	NC_021167.1	Ca_kabuli_chr08	10509191	TT	CC	1940426627
SNP_P1_162124_10509198	NC_021167.1	Ca_kabuli_chr08	10509198	TT	CC	1940426628
SNP_P1_162125_10509582	NC_021167.1	Ca_kabuli_chr08	10509582	GG	AA	1940426629
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SNP_P1_162130_10578200	NC_021167.1	Ca_kabuli_chr08	10578200	AA	GG	1940426633
SNP_P1_162131_10578209	NC_021167.1	Ca_kabuli_chr08	10578209	TT	GG	1940426634
SNP_P1_162132_10580177	NC_021167.1	Ca_kabuli_chr08	10580177	GG	CC	1940426635
SNP_P1_162133_10589752	NC_021167.1	Ca_kabuli_chr08	10589752	CC	TT	1940426636
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SNP_P1_162135_10590011	NC_021167.1	Ca_kabuli_chr08	10590011	CC	GG	1940426638
SNP_P1_162136_10590020	NC_021167.1	Ca_kabuli_chr08	10590020	TT	CC	1940426639
SNP_P1_162137_10590022	NC_021167.1	Ca_kabuli_chr08	10590022	AA	TT	1940426640
SNP_P1_162138_10590065	NC_021167.1	Ca_kabuli_chr08	10590065	GG	CC	1940426641
SNP_P1_162140_10590230	NC_021167.1	Ca_kabuli_chr08	10590230	AA	TT	1940426642
SNP_P1_162141_10590404	NC_021167.1	Ca_kabuli_chr08	10590404	TT	AA	1940426643
SNP_P1_162142_10590416	NC_021167.1	Ca_kabuli_chr08	10590416	GG	AA	1940426644
SNP_P1_162143_10590452	NC_021167.1	Ca_kabuli_chr08	10590452	CC	TT	1940426645
SNP_P1_162144_10590693	NC_021167.1	Ca_kabuli_chr08	10590693	GG	AA	1940426646
SNP_P1_162145_10590752	NC_021167.1	Ca_kabuli_chr08	10590752	CC	AA	1940426647
SNP_P1_162146_10590884	NC_021167.1	Ca_kabuli_chr08	10590884	CC	TT	1940426648
SNP_P1_162147_10591047	NC_021167.1	Ca_kabuli_chr08	10591047	GG	TT	1940426649
SNP_P1_162148_10591062	NC_021167.1	Ca_kabuli_chr08	10591062	CC	AA	1940426650
SNP_P1_162149_10591102	NC_021167.1	Ca_kabuli_chr08	10591102	TT	AA	1940426651
SNP_P1_162151_10591148	NC_021167.1	Ca_kabuli_chr08	10591148	GG	TT	1940426652

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162154_10591281	NC_021167.1	Ca_kabuli_chr08	10591281	AA	GG	1940426655
SNP_P1_162155_10591282	NC_021167.1	Ca_kabuli_chr08	10591282	CC	AA	1940426656
SNP_P1_162156_10591284	NC_021167.1	Ca_kabuli_chr08	10591284	CC	TT	1940426657
SNP_P1_162157_10591288	NC_021167.1	Ca_kabuli_chr08	10591288	AA	TT	1940426658
SNP_P1_162158_10591289	NC_021167.1	Ca_kabuli_chr08	10591289	CC	TT	1940426659
SNP_P1_162159_10591291	NC_021167.1	Ca_kabuli_chr08	10591291	TT	CC	1940426660
SNP_P1_162160_10591315	NC_021167.1	Ca_kabuli_chr08	10591315	TT	CC	1940426661
SNP_P1_162161_10591326	NC_021167.1	Ca_kabuli_chr08	10591326	TT	AA	1940426662
SNP_P1_162162_10591327	NC_021167.1	Ca_kabuli_chr08	10591327	AA	TT	1940426663
SNP_P1_162163_10591331	NC_021167.1	Ca_kabuli_chr08	10591331	AA	GG	1940426664
SNP_P1_162164_10591334	NC_021167.1	Ca_kabuli_chr08	10591334	CC	GG	1940426665
SNP_P1_162165_10591339	NC_021167.1	Ca_kabuli_chr08	10591339	CC	AA	1940426666
SNP_P1_162166_10591355	NC_021167.1	Ca_kabuli_chr08	10591355	GG	AA	1940426667
SNP_P1_162167_10591363	NC_021167.1	Ca_kabuli_chr08	10591363	CC	TT	1940426668
SNP_P1_162168_10591383	NC_021167.1	Ca_kabuli_chr08	10591383	GG	AA	1940426669
SNP_P1_162169_10591463	NC_021167.1	Ca_kabuli_chr08	10591463	GG	AA	1940426670
SNP_P1_162170_10591529	NC_021167.1	Ca_kabuli_chr08	10591529	TT	AA	1940426671
SNP_P1_162171_10591560	NC_021167.1	Ca_kabuli_chr08	10591560	TT	CC	1940426672
SNP_P1_162172_10612439	NC_021167.1	Ca_kabuli_chr08	10612439	AA	CC	1940426673
SNP_P1_162173_10612452	NC_021167.1	Ca_kabuli_chr08	10612452	TT	GG	1940426674
SNP_P1_162174_10612502	NC_021167.1	Ca_kabuli_chr08	10612502	TT	CC	1940426675
SNP_P1_162175_10612756	NC_021167.1	Ca_kabuli_chr08	10612756	GG	AA	1940426676
SNP_P1_162176_10612771	NC_021167.1	Ca_kabuli_chr08	10612771	GG	AA	1940426677
SNP_P1_162177_10612789	NC_021167.1	Ca_kabuli_chr08	10612789	AA	GG	1940426678
SNP_P1_162179_10613067	NC_021167.1	Ca_kabuli_chr08	10613067	GG	AA	1940426679
SNP_P1_162180_10613119	NC_021167.1	Ca_kabuli_chr08	10613119	AA	GG	1940426680
SNP_P1_162181_10622153	NC_021167.1	Ca_kabuli_chr08	10622153	GG	TT	1940426681
SNP_P1_162182_10631954	NC_021167.1	Ca_kabuli_chr08	10631954	AA	GG	1940426682
SNP_P1_162183_10631960	NC_021167.1	Ca_kabuli_chr08	10631960	GG	AA	1940426683
SNP_P1_162184_10631962	NC_021167.1	Ca_kabuli_chr08	10631962	GG	TT	1940426684
SNP_P1_162185_10631987	NC_021167.1	Ca_kabuli_chr08	10631987	CC	TT	1940426685
SNP_P1_162186_10631996	NC_021167.1	Ca_kabuli_chr08	10631996	GG	AA	1940426686
SNP_P1_162187_10632001	NC_021167.1	Ca_kabuli_chr08	10632001	GG	AA	1940426687
SNP_P1_162188_10632004	NC_021167.1	Ca_kabuli_chr08	10632004	GG	AA	1940426688
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SNP_P1_162191_10645622	NC_021167.1	Ca_kabuli_chr08	10645622	CC	AA	1940426690
SNP_P1_162192_10645712	NC_021167.1	Ca_kabuli_chr08	10645712	CC	TT	1940426691
SNP_P1_162193_10645835	NC_021167.1	Ca_kabuli_chr08	10645835	AA	TT	1940426692
SNP_P1_162194_10646025	NC_021167.1	Ca_kabuli_chr08	10646025	TT	CC	1940426693
SNP_P1_162195_10646065	NC_021167.1	Ca_kabuli_chr08	10646065	GG	AA	1940426694

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162197_10646085	NC_021167.1	Ca_kabuli_chr08	10646085	AA	TT	1940426696
SNP_P1_162198_10646201	NC_021167.1	Ca_kabuli_chr08	10646201	CC	GG	1940426697
SNP_P1_162199_10671813	NC_021167.1	Ca_kabuli_chr08	10671813	TT	AA	1940426698
SNP_P1_162201_10671918	NC_021167.1	Ca_kabuli_chr08	10671918	TT	CC	1940426699
SNP_P1_162202_10672009	NC_021167.1	Ca_kabuli_chr08	10672009	CC	TT	1940426700
SNP_P1_162203_10672140	NC_021167.1	Ca_kabuli_chr08	10672140	CC	TT	1940426701
SNP_P1_162206_10686627	NC_021167.1	Ca_kabuli_chr08	10686627	GG	AA	1940426702
SNP_P1_162207_10697617	NC_021167.1	Ca_kabuli_chr08	10697617	CC	TT	1940426703
SNP_P1_162208_10697666	NC_021167.1	Ca_kabuli_chr08	10697666	AA	GG	1940426704
SNP_P1_162209_10699035	NC_021167.1	Ca_kabuli_chr08	10699035	AA	TT	1940426705
SNP_P1_162210_10699317	NC_021167.1	Ca_kabuli_chr08	10699317	CC	GG	1940426706
SNP_P1_162211_10699341	NC_021167.1	Ca_kabuli_chr08	10699341	TT	CC	1940426707
SNP_P1_162212_10699353	NC_021167.1	Ca_kabuli_chr08	10699353	AA	CC	1940426708
SNP_P1_162213_10699360	NC_021167.1	Ca_kabuli_chr08	10699360	CC	TT	1940426709
SNP_P1_162214_10701317	NC_021167.1	Ca_kabuli_chr08	10701317	TT	CC	1940426710
SNP_P1_162215_10701357	NC_021167.1	Ca_kabuli_chr08	10701357	AA	CC	1940426711
SNP_P1_162216_10701361	NC_021167.1	Ca_kabuli_chr08	10701361	AA	CC	1940426712
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SNP_P1_162219_10701414	NC_021167.1	Ca_kabuli_chr08	10701414	CC	TT	1940426715
SNP_P1_162220_10701438	NC_021167.1	Ca_kabuli_chr08	10701438	AA	GG	1940426716
SNP_P1_162221_10701470	NC_021167.1	Ca_kabuli_chr08	10701470	AA	GG	1940426717
SNP_P1_162222_10701523	NC_021167.1	Ca_kabuli_chr08	10701523	AA	TT	1940426718
SNP_P1_162223_10701556	NC_021167.1	Ca_kabuli_chr08	10701556	CC	AA	1940426719
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SNP_P1_162229_10701745	NC_021167.1	Ca_kabuli_chr08	10701745	CC	GG	1940426725
SNP_P1_162230_10701763	NC_021167.1	Ca_kabuli_chr08	10701763	TT	AA	1940426726
SNP_P1_162231_10701815	NC_021167.1	Ca_kabuli_chr08	10701815	CC	TT	1940426727
SNP_P1_162232_10701915	NC_021167.1	Ca_kabuli_chr08	10701915	CC	TT	1940426729
SNP_P1_162233_10701925	NC_021167.1	Ca_kabuli_chr08	10701925	GG	AA	1940426730
SNP_P1_162235_10712740	NC_021167.1	Ca_kabuli_chr08	10712740	CC	TT	1940426731
SNP_P1_162237_10713526	NC_021167.1	Ca_kabuli_chr08	10713526	CC	TT	1940426732
SNP_P1_162239_10728066	NC_021167.1	Ca_kabuli_chr08	10728066	CC	AA	1940426733
SNP_P1_162240_10728253	NC_021167.1	Ca_kabuli_chr08	10728253	GG	AA	1940426734
SNP_P1_162242_10759383	NC_021167.1	Ca_kabuli_chr08	10759383	GG	AA	1940426735
SNP_P1_162243_10762278	NC_021167.1	Ca_kabuli_chr08	10762278	TT	CC	1940426736
SNP_P1_162244_10762320	NC_021167.1	Ca_kabuli_chr08	10762320	CC	TT	1940426737

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162246_10762568	NC_021167.1	Ca_kabuli_chr08	10762568	CC	TT	1940426739
SNP_P1_162248_10790566	NC_021167.1	Ca_kabuli_chr08	10790566	TT	GG	1940426740
SNP_P1_162249_10790816	NC_021167.1	Ca_kabuli_chr08	10790816	TT	GG	1940426741
SNP_P1_162250_10790853	NC_021167.1	Ca_kabuli_chr08	10790853	CC	TT	1940426742
SNP_P1_162251_10802567	NC_021167.1	Ca_kabuli_chr08	10802567	GG	AA	1940426743
SNP_P1_162252_10808832	NC_021167.1	Ca_kabuli_chr08	10808832	GG	TT	1940426744
SNP_P1_162254_10827800	NC_021167.1	Ca_kabuli_chr08	10827800	CC	TT	1940426745
SNP_P1_162255_10897486	NC_021167.1	Ca_kabuli_chr08	10897486	CC	AA	1940426746
SNP_P1_162256_10897497	NC_021167.1	Ca_kabuli_chr08	10897497	GG	AA	1940426747
SNP_P1_162257_10897514	NC_021167.1	Ca_kabuli_chr08	10897514	GG	CC	1940426748
SNP_P1_162258_10897525	NC_021167.1	Ca_kabuli_chr08	10897525	AA	TT	1940426749
SNP_P1_162259_10897526	NC_021167.1	Ca_kabuli_chr08	10897526	TT	AA	1940426750
SNP_P1_162260_10897530	NC_021167.1	Ca_kabuli_chr08	10897530	AA	CC	1940426751
SNP_P1_162261_10905114	NC_021167.1	Ca_kabuli_chr08	10905114	CC	AA	1940426752
SNP_P1_162262_10915585	NC_021167.1	Ca_kabuli_chr08	10915585	AA	TT	1940426753
SNP_P1_162263_10915594	NC_021167.1	Ca_kabuli_chr08	10915594	CC	AA	1940426754
SNP_P1_162265_10918933	NC_021167.1	Ca_kabuli_chr08	10918933	GG	AA	1940426755
SNP_P1_162266_10931864	NC_021167.1	Ca_kabuli_chr08	10931864	AA	GG	1940426756
SNP_P1_162267_10931893	NC_021167.1	Ca_kabuli_chr08	10931893	GG	AA	1940426757
SNP_P1_162268_10932295	NC_021167.1	Ca_kabuli_chr08	10932295	AA	CC	1940426758
SNP_P1_162269_10932334	NC_021167.1	Ca_kabuli_chr08	10932334	AA	CC	1940426759
SNP_P1_162270_10934236	NC_021167.1	Ca_kabuli_chr08	10934236	TT	CC	1940426760
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SNP_P1_162272_10934269	NC_021167.1	Ca_kabuli_chr08	10934269	GG	CC	1940426762
SNP_P1_162273_10934295	NC_021167.1	Ca_kabuli_chr08	10934295	GG	TT	1940426763
SNP_P1_162274_10934312	NC_021167.1	Ca_kabuli_chr08	10934312	CC	GG	1940426764
SNP_P1_162276_10938544	NC_021167.1	Ca_kabuli_chr08	10938544	CC	AA	1940426765
SNP_P1_162277_10943635	NC_021167.1	Ca_kabuli_chr08	10943635	GG	TT	1940426766
SNP_P1_162278_10943686	NC_021167.1	Ca_kabuli_chr08	10943686	CC	TT	1940426767
SNP_P1_162279_10944619	NC_021167.1	Ca_kabuli_chr08	10944619	GG	AA	1940426768
SNP_P1_162280_10948285	NC_021167.1	Ca_kabuli_chr08	10948285	CC	TT	1940426769
SNP_P1_162281_10948318	NC_021167.1	Ca_kabuli_chr08	10948318	TT	CC	1940426770
SNP_P1_162282_10955153	NC_021167.1	Ca_kabuli_chr08	10955153	AA	CC	1940426771
SNP_P1_162283_10955477	NC_021167.1	Ca_kabuli_chr08	10955477	AA	GG	1940426772
SNP_P1_162284_10959913	NC_021167.1	Ca_kabuli_chr08	10959913	GG	CC	1940426773
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SNP_P1_162286_10960134	NC_021167.1	Ca_kabuli_chr08	10960134	GG	TT	1940426775
SNP_P1_162287_10960190	NC_021167.1	Ca_kabuli_chr08	10960190	GG	AA	1940426776
SNP_P1_162289_10967809	NC_021167.1	Ca_kabuli_chr08	10967809	CC	TT	1940426777
SNP_P1_162290_10973489	NC_021167.1	Ca_kabuli_chr08	10973489	CC	TT	1940426778
SNP_P1_162291_10973662	NC_021167.1	Ca_kabuli_chr08	10973662	TT	CC	1940426779

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162295_11015471	NC_021167.1	Ca_kabuli_chr08	11015471	CC	GG	1940426782
SNP_P1_162296_11015550	NC_021167.1	Ca_kabuli_chr08	11015550	AA	CC	1940426783
SNP_P1_162298_11045493	NC_021167.1	Ca_kabuli_chr08	11045493	AA	CC	1940426784
SNP_P1_162299_11059311	NC_021167.1	Ca_kabuli_chr08	11059311	GG	CC	1940426785
SNP_P1_162301_11060501	NC_021167.1	Ca_kabuli_chr08	11060501	GG	TT	1940426786
SNP_P1_162302_11062277	NC_021167.1	Ca_kabuli_chr08	11062277	TT	CC	1940426787
SNP_P1_162303_11062331	NC_021167.1	Ca_kabuli_chr08	11062331	CC	TT	1940426788
SNP_P1_162304_11063772	NC_021167.1	Ca_kabuli_chr08	11063772	CC	AA	1940426789
SNP_P1_162305_11063862	NC_021167.1	Ca_kabuli_chr08	11063862	AA	CC	1940426790
SNP_P1_162306_11065782	NC_021167.1	Ca_kabuli_chr08	11065782	GG	AA	1940426791
SNP_P1_162307_11066271	NC_021167.1	Ca_kabuli_chr08	11066271	TT	AA	1940426792
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SNP_P1_162309_11066331	NC_021167.1	Ca_kabuli_chr08	11066331	TT	GG	1940426794
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SNP_P1_162316_11070812	NC_021167.1	Ca_kabuli_chr08	11070812	CC	TT	1940426800
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SNP_P1_162322_11072880	NC_021167.1	Ca_kabuli_chr08	11072880	AA	GG	1940426806
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SNP_P1_162324_11072914	NC_021167.1	Ca_kabuli_chr08	11072914	TT	CC	1940426808
SNP_P1_162325_11072923	NC_021167.1	Ca_kabuli_chr08	11072923	GG	AA	1940426809
SNP_P1_162326_11073029	NC_021167.1	Ca_kabuli_chr08	11073029	AA	TT	1940426810
SNP_P1_162327_11073099	NC_021167.1	Ca_kabuli_chr08	11073099	GG	CC	1940426811
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SNP_P1_162334_11078502	NC_021167.1	Ca_kabuli_chr08	11078502	TT	AA	1940426815
SNP_P1_162335_11078598	NC_021167.1	Ca_kabuli_chr08	11078598	AA	GG	1940426816
SNP_P1_162336_11078972	NC_021167.1	Ca_kabuli_chr08	11078972	AA	GG	1940426817
SNP_P1_162338_11079444	NC_021167.1	Ca_kabuli_chr08	11079444	TT	AA	1940426818
SNP_P1_162340_11080579	NC_021167.1	Ca_kabuli_chr08	11080579	CC	TT	1940426819
SNP_P1_162342_11084024	NC_021167.1	Ca_kabuli_chr08	11084024	GG	AA	1940426820
SNP_P1_162343_11088701	NC_021167.1	Ca_kabuli_chr08	11088701	AA	GG	1940426821

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162346_11090972	NC_021167.1	Ca_kabuli_chr08	11090972	TT	CC	1940426824
SNP_P1_162347_11091617	NC_021167.1	Ca_kabuli_chr08	11091617	CC	AA	1940426825
SNP_P1_162348_11091882	NC_021167.1	Ca_kabuli_chr08	11091882	TT	AA	1940426826
SNP_P1_162349_11091988	NC_021167.1	Ca_kabuli_chr08	11091988	TT	CC	1940426827
SNP_P1_162350_11091999	NC_021167.1	Ca_kabuli_chr08	11091999	TT	GG	1940426828
SNP_P1_162351_11092198	NC_021167.1	Ca_kabuli_chr08	11092198	AA	CC	1940426829
SNP_P1_162352_11092304	NC_021167.1	Ca_kabuli_chr08	11092304	AA	GG	1940426830
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SNP_P1_162357_11101102	NC_021167.1	Ca_kabuli_chr08	11101102	AA	GG	1940426835
SNP_P1_162358_11101158	NC_021167.1	Ca_kabuli_chr08	11101158	TT	CC	1940426836
SNP_P1_162359_11101161	NC_021167.1	Ca_kabuli_chr08	11101161	TT	CC	1940426837
SNP_P1_162360_11101727	NC_021167.1	Ca_kabuli_chr08	11101727	AA	GG	1940426838
SNP_P1_162363_11102260	NC_021167.1	Ca_kabuli_chr08	11102260	GG	AA	1940426839
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SNP_P1_162365_11104109	NC_021167.1	Ca_kabuli_chr08	11104109	CC	GG	1940426841
SNP_P1_162366_11106051	NC_021167.1	Ca_kabuli_chr08	11106051	GG	AA	1940426842
SNP_P1_162367_11107055	NC_021167.1	Ca_kabuli_chr08	11107055	TT	CC	1940426843
SNP_P1_162368_11107152	NC_021167.1	Ca_kabuli_chr08	11107152	TT	AA	1940426845
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SNP_P1_162373_11109641	NC_021167.1	Ca_kabuli_chr08	11109641	GG	AA	1940426850
SNP_P1_162376_11112536	NC_021167.1	Ca_kabuli_chr08	11112536	GG	AA	1940426851
SNP_P1_162377_11113300	NC_021167.1	Ca_kabuli_chr08	11113300	CC	TT	1940426852
SNP_P1_162378_11113467	NC_021167.1	Ca_kabuli_chr08	11113467	GG	AA	1940426853
SNP_P1_162379_11113485	NC_021167.1	Ca_kabuli_chr08	11113485	CC	TT	1940426854
SNP_P1_162380_11113551	NC_021167.1	Ca_kabuli_chr08	11113551	AA	GG	1940426855
SNP_P1_162381_11113607	NC_021167.1	Ca_kabuli_chr08	11113607	GG	CC	1940426856
SNP_P1_162385_11114009	NC_021167.1	Ca_kabuli_chr08	11114009	CC	TT	1940426857
SNP_P1_162386_11114010	NC_021167.1	Ca_kabuli_chr08	11114010	TT	CC	1940426858
SNP_P1_162387_11114029	NC_021167.1	Ca_kabuli_chr08	11114029	AA	GG	1940426859
SNP_P1_162388_11114037	NC_021167.1	Ca_kabuli_chr08	11114037	AA	GG	1940426860
SNP_P1_162389_11114048	NC_021167.1	Ca_kabuli_chr08	11114048	GG	AA	1940426861
SNP_P1_162390_11116701	NC_021167.1	Ca_kabuli_chr08	11116701	AA	GG	1940426862
SNP_P1_162391_11120302	NC_021167.1	Ca_kabuli_chr08	11120302	AA	GG	1940426863
SNP_P1_162392_11123979	NC_021167.1	Ca_kabuli_chr08	11123979	AA	CC	1940426864

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_162394_11127500	NC_021167.1	Ca_kabuli_chr08	11127500	CC	TT	1940426865
SNP_P1_162396_11131830	NC_021167.1	Ca_kabuli_chr08	11131830	TT	AA	1940426866
SNP_P1_162397_11131838	NC_021167.1	Ca_kabuli_chr08	11131838	TT	CC	1940426867
SNP_P1_162398_11131872	NC_021167.1	Ca_kabuli_chr08	11131872	AA	GG	1940426868
SNP_P1_162399_11131936	NC_021167.1	Ca_kabuli_chr08	11131936	CC	TT	1940426869
SNP_P1_162400_11132398	NC_021167.1	Ca_kabuli_chr08	11132398	GG	AA	1940426870
SNP_P1_162401_11132546	NC_021167.1	Ca_kabuli_chr08	11132546	GG	AA	1940426871
SNP_P1_162403_11134746	NC_021167.1	Ca_kabuli_chr08	11134746	GG	AA	1940426872
SNP_P1_162404_11137929	NC_021167.1	Ca_kabuli_chr08	11137929	AA	CC	1940426873
SNP_P1_162405_11138208	NC_021167.1	Ca_kabuli_chr08	11138208	CC	TT	1940426874
SNP_P1_162407_11141721	NC_021167.1	Ca_kabuli_chr08	11141721	TT	CC	1940426875
SNP_P1_162408_11143541	NC_021167.1	Ca_kabuli_chr08	11143541	CC	TT	1940426876
SNP_P1_162409_11143619	NC_021167.1	Ca_kabuli_chr08	11143619	TT	AA	1940426877
SNP_P1_162410_11143802	NC_021167.1	Ca_kabuli_chr08	11143802	TT	AA	1940426878
SNP_P1_162411_11143902	NC_021167.1	Ca_kabuli_chr08	11143902	GG	AA	1940426879
SNP_P1_162412_11143959	NC_021167.1	Ca_kabuli_chr08	11143959	AA	GG	1940426880
SNP_P1_162413_11143996	NC_021167.1	Ca_kabuli_chr08	11143996	AA	GG	1940426881
SNP_P1_162414_11144005	NC_021167.1	Ca_kabuli_chr08	11144005	GG	AA	1940426882
SNP_P1_162415_11144032	NC_021167.1	Ca_kabuli_chr08	11144032	TT	CC	1940426883
SNP_P1_162416_11144190	NC_021167.1	Ca_kabuli_chr08	11144190	GG	AA	1940426884
SNP_P1_162417_11144269	NC_021167.1	Ca_kabuli_chr08	11144269	TT	CC	1940426885
SNP_P1_162419_11144397	NC_021167.1	Ca_kabuli_chr08	11144397	AA	TT	1940426886
SNP_P1_162420_11144420	NC_021167.1	Ca_kabuli_chr08	11144420	GG	AA	1940426887
SNP_P1_162421_11144495	NC_021167.1	Ca_kabuli_chr08	11144495	CC	TT	1940426888
SNP_P1_162423_11144554	NC_021167.1	Ca_kabuli_chr08	11144554	TT	CC	1940426889
SNP_P1_162424_11144773	NC_021167.1	Ca_kabuli_chr08	11144773	GG	AA	1940426890
SNP_P1_162425_11144874	NC_021167.1	Ca_kabuli_chr08	11144874	GG	TT	1940426891
SNP_P1_162426_11144943	NC_021167.1	Ca_kabuli_chr08	11144943	GG	AA	1940426892
SNP_P1_162427_11144944	NC_021167.1	Ca_kabuli_chr08	11144944	GG	AA	1940426893
SNP_P1_162428_11145023	NC_021167.1	Ca_kabuli_chr08	11145023	GG	AA	1940426894
SNP_P1_162429_11145378	NC_021167.1	Ca_kabuli_chr08	11145378	TT	GG	1940426895
SNP_P1_162430_11145554	NC_021167.1	Ca_kabuli_chr08	11145554	CC	TT	1940426896
SNP_P1_162431_11145609	NC_021167.1	Ca_kabuli_chr08	11145609	AA	CC	1940426897
SNP_P1_162434_11145871	NC_021167.1	Ca_kabuli_chr08	11145871	CC	AA	1940426898
SNP_P1_162435_11145921	NC_021167.1	Ca_kabuli_chr08	11145921	AA	GG	1940426899
SNP_P1_162436_11146172	NC_021167.1	Ca_kabuli_chr08	11146172	CC	GG	1940426900
SNP_P1_162439_11146576	NC_021167.1	Ca_kabuli_chr08	11146576	CC	TT	1940426901
SNP_P1_162440_11146612	NC_021167.1	Ca_kabuli_chr08	11146612	CC	TT	1940426902
SNP_P1_162441_11146679	NC_021167.1	Ca_kabuli_chr08	11146679	TT	AA	1940426903
SNP_P1_162443_11146812	NC_021167.1	Ca_kabuli_chr08	11146812	CC	TT	1940426904
SNP_P1_162444_11146889	NC_021167.1	Ca_kabuli_chr08	11146889	AA	GG	1940426905
SNP_P1_162445_11146958	NC_021167.1	Ca_kabuli_chr08	11146958	GG	TT	1940426906

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162447_11147206	NC_021167.1	Ca_kabuli_chr08	11147206	AA	GG	1940426908
SNP_P1_162448_11147207	NC_021167.1	Ca_kabuli_chr08	11147207	TT	CC	1940426909
SNP_P1_162449_11147260	NC_021167.1	Ca_kabuli_chr08	11147260	CC	TT	1940426910
SNP_P1_162450_11147960	NC_021167.1	Ca_kabuli_chr08	11147960	TT	CC	1940426911
SNP_P1_162451_11149246	NC_021167.1	Ca_kabuli_chr08	11149246	CC	TT	1940426912
SNP_P1_162452_11149364	NC_021167.1	Ca_kabuli_chr08	11149364	CC	AA	1940426913
SNP_P1_162454_11151651	NC_021167.1	Ca_kabuli_chr08	11151651	GG	TT	1940426914
SNP_P1_162455_11151656	NC_021167.1	Ca_kabuli_chr08	11151656	CC	TT	1940426915
SNP_P1_162457_11151928	NC_021167.1	Ca_kabuli_chr08	11151928	GG	AA	1940426916
SNP_P1_162458_11152081	NC_021167.1	Ca_kabuli_chr08	11152081	AA	GG	1940426917
SNP_P1_162459_11152092	NC_021167.1	Ca_kabuli_chr08	11152092	CC	GG	1940426918
SNP_P1_162460_11152268	NC_021167.1	Ca_kabuli_chr08	11152268	CC	AA	1940426919
SNP_P1_162461_11152398	NC_021167.1	Ca_kabuli_chr08	11152398	TT	CC	1940426920
SNP_P1_162462_11153688	NC_021167.1	Ca_kabuli_chr08	11153688	TT	CC	1940426921
SNP_P1_162463_11153733	NC_021167.1	Ca_kabuli_chr08	11153733	AA	CC	1940426922
SNP_P1_162464_11154371	NC_021167.1	Ca_kabuli_chr08	11154371	CC	TT	1940426923
SNP_P1_162465_11154827	NC_021167.1	Ca_kabuli_chr08	11154827	TT	GG	1940426924
SNP_P1_162466_11154829	NC_021167.1	Ca_kabuli_chr08	11154829	CC	TT	1940426925
SNP_P1_162467_11154844	NC_021167.1	Ca_kabuli_chr08	11154844	GG	AA	1940426926
SNP_P1_162468_11154936	NC_021167.1	Ca_kabuli_chr08	11154936	TT	GG	1940426927
SNP_P1_162469_11155097	NC_021167.1	Ca_kabuli_chr08	11155097	GG	AA	1940426928
SNP_P1_162470_11155211	NC_021167.1	Ca_kabuli_chr08	11155211	CC	AA	1940426929
SNP_P1_162471_11155244	NC_021167.1	Ca_kabuli_chr08	11155244	CC	TT	1940426930
SNP_P1_162473_11157828	NC_021167.1	Ca_kabuli_chr08	11157828	CC	AA	1940426931
SNP_P1_162474_11157955	NC_021167.1	Ca_kabuli_chr08	11157955	TT	CC	1940426932
SNP_P1_162475_11158139	NC_021167.1	Ca_kabuli_chr08	11158139	TT	CC	1940426933
SNP_P1_162476_11158208	NC_021167.1	Ca_kabuli_chr08	11158208	TT	CC	1940426934
SNP_P1_162477_11158254	NC_021167.1	Ca_kabuli_chr08	11158254	CC	TT	1940426935
SNP_P1_162478_11158320	NC_021167.1	Ca_kabuli_chr08	11158320	CC	TT	1940426936
SNP_P1_162479_11158347	NC_021167.1	Ca_kabuli_chr08	11158347	GG	AA	1940426937
SNP_P1_162480_11158490	NC_021167.1	Ca_kabuli_chr08	11158490	TT	GG	1940426938
SNP_P1_162481_11158496	NC_021167.1	Ca_kabuli_chr08	11158496	AA	GG	1940426939
SNP_P1_162482_11158532	NC_021167.1	Ca_kabuli_chr08	11158532	TT	CC	1940426940
SNP_P1_162483_11158552	NC_021167.1	Ca_kabuli_chr08	11158552	CC	AA	1940426941
SNP_P1_162485_11158832	NC_021167.1	Ca_kabuli_chr08	11158832	GG	TT	1940426942
SNP_P1_162486_11159017	NC_021167.1	Ca_kabuli_chr08	11159017	GG	AA	1940426943
SNP_P1_162487_11159049	NC_021167.1	Ca_kabuli_chr08	11159049	TT	CC	1940426944
SNP_P1_162488_11159279	NC_021167.1	Ca_kabuli_chr08	11159279	GG	TT	1940426945
SNP_P1_162489_11159346	NC_021167.1	Ca_kabuli_chr08	11159346	CC	AA	1940426946
SNP_P1_162490_11159361	NC_021167.1	Ca_kabuli_chr08	11159361	TT	AA	1940426947
SNP_P1_162491_11160031	NC_021167.1	Ca_kabuli_chr08	11160031	TT	CC	1940426948

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162493_11160261	NC_021167.1	Ca_kabuli_chr08	11160261	CC	TT	1940426950
SNP_P1_162494_11160381	NC_021167.1	Ca_kabuli_chr08	11160381	CC	TT	1940426951
SNP_P1_162495_11161522	NC_021167.1	Ca_kabuli_chr08	11161522	CC	TT	1940426952
SNP_P1_162496_11161604	NC_021167.1	Ca_kabuli_chr08	11161604	AA	CC	1940426953
SNP_P1_162497_11162421	NC_021167.1	Ca_kabuli_chr08	11162421	AA	GG	1940426954
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SNP_P1_162500_11167196	NC_021167.1	Ca_kabuli_chr08	11167196	TT	CC	1940426957
SNP_P1_162501_11167203	NC_021167.1	Ca_kabuli_chr08	11167203	GG	AA	1940426958
SNP_P1_162502_11167644	NC_021167.1	Ca_kabuli_chr08	11167644	AA	GG	1940426959
SNP_P1_162503_11168227	NC_021167.1	Ca_kabuli_chr08	11168227	AA	CC	1940426960
SNP_P1_162504_11168490	NC_021167.1	Ca_kabuli_chr08	11168490	GG	AA	1940426961
SNP_P1_162505_11168788	NC_021167.1	Ca_kabuli_chr08	11168788	CC	GG	1940426962
SNP_P1_162507_11168880	NC_021167.1	Ca_kabuli_chr08	11168880	CC	TT	1940426963
SNP_P1_162508_11168904	NC_021167.1	Ca_kabuli_chr08	11168904	CC	GG	1940426964
SNP_P1_162509_11168930	NC_021167.1	Ca_kabuli_chr08	11168930	AA	GG	1940426965
SNP_P1_162510_11168931	NC_021167.1	Ca_kabuli_chr08	11168931	GG	AA	1940426966
SNP_P1_162511_11168949	NC_021167.1	Ca_kabuli_chr08	11168949	TT	AA	1940426967
SNP_P1_162512_11168962	NC_021167.1	Ca_kabuli_chr08	11168962	AA	GG	1940426968
SNP_P1_162513_11169036	NC_021167.1	Ca_kabuli_chr08	11169036	CC	TT	1940426969
SNP_P1_162514_11169037	NC_021167.1	Ca_kabuli_chr08	11169037	AA	CC	1940426970
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SNP_P1_162516_11169056	NC_021167.1	Ca_kabuli_chr08	11169056	AA	GG	1940426972
SNP_P1_162517_11169105	NC_021167.1	Ca_kabuli_chr08	11169105	TT	CC	1940426973
SNP_P1_162518_11169132	NC_021167.1	Ca_kabuli_chr08	11169132	TT	CC	1940426974
SNP_P1_162519_11169151	NC_021167.1	Ca_kabuli_chr08	11169151	GG	CC	1940426975
SNP_P1_162520_11169198	NC_021167.1	Ca_kabuli_chr08	11169198	GG	AA	1940426976
SNP_P1_162521_11169206	NC_021167.1	Ca_kabuli_chr08	11169206	GG	AA	1940426977
SNP_P1_162522_11169261	NC_021167.1	Ca_kabuli_chr08	11169261	GG	AA	1940426978
SNP_P1_162523_11169262	NC_021167.1	Ca_kabuli_chr08	11169262	CC	TT	1940426979
SNP_P1_162524_11169285	NC_021167.1	Ca_kabuli_chr08	11169285	CC	GG	1940426980
SNP_P1_162525_11169315	NC_021167.1	Ca_kabuli_chr08	11169315	AA	GG	1940426981
SNP_P1_162526_11169337	NC_021167.1	Ca_kabuli_chr08	11169337	CC	GG	1940426982
SNP_P1_162527_11169344	NC_021167.1	Ca_kabuli_chr08	11169344	CC	AA	1940426983
SNP_P1_162528_11169346	NC_021167.1	Ca_kabuli_chr08	11169346	AA	GG	1940426984
SNP_P1_162529_11169602	NC_021167.1	Ca_kabuli_chr08	11169602	TT	CC	1940426985
SNP_P1_162530_11169619	NC_021167.1	Ca_kabuli_chr08	11169619	CC	TT	1940426986
SNP_P1_162531_11169628	NC_021167.1	Ca_kabuli_chr08	11169628	AA	CC	1940426987
SNP_P1_162532_11170762	NC_021167.1	Ca_kabuli_chr08	11170762	AA	GG	1940426988
SNP_P1_162533_11171111	NC_021167.1	Ca_kabuli_chr08	11171111	CC	TT	1940426989
SNP_P1_162534_11171487	NC_021167.1	Ca_kabuli_chr08	11171487	CC	AA	1940426990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162536_11173116	NC_021167.1	Ca_kabuli_chr08	11173116	TT	GG	1940426993
SNP_P1_162537_11173549	NC_021167.1	Ca_kabuli_chr08	11173549	CC	TT	1940426994
SNP_P1_162538_11173552	NC_021167.1	Ca_kabuli_chr08	11173552	AA	GG	1940426995
SNP_P1_162539_11173601	NC_021167.1	Ca_kabuli_chr08	11173601	CC	TT	1940426996
SNP_P1_162540_11174000	NC_021167.1	Ca_kabuli_chr08	11174000	CC	AA	1940426997
SNP_P1_162541_11174193	NC_021167.1	Ca_kabuli_chr08	11174193	AA	TT	1940426998
SNP_P1_162542_11175958	NC_021167.1	Ca_kabuli_chr08	11175958	CC	TT	1940426999
SNP_P1_162543_11176363	NC_021167.1	Ca_kabuli_chr08	11176363	CC	TT	1940427000
SNP_P1_162544_11176583	NC_021167.1	Ca_kabuli_chr08	11176583	TT	GG	1940427001
SNP_P1_162545_11177999	NC_021167.1	Ca_kabuli_chr08	11177999	AA	TT	1940427002
SNP_P1_162546_11178187	NC_021167.1	Ca_kabuli_chr08	11178187	CC	TT	1940427003
SNP_P1_162547_11178200	NC_021167.1	Ca_kabuli_chr08	11178200	CC	TT	1940427004
SNP_P1_162548_11178212	NC_021167.1	Ca_kabuli_chr08	11178212	AA	GG	1940427005
SNP_P1_162549_11178962	NC_021167.1	Ca_kabuli_chr08	11178962	GG	CC	1940427006
SNP_P1_162550_11179013	NC_021167.1	Ca_kabuli_chr08	11179013	AA	GG	1940427007
SNP_P1_162551_11180842	NC_021167.1	Ca_kabuli_chr08	11180842	GG	AA	1940427008
SNP_P1_162552_11180956	NC_021167.1	Ca_kabuli_chr08	11180956	CC	AA	1940427009
SNP_P1_162553_11181115	NC_021167.1	Ca_kabuli_chr08	11181115	AA	CC	1940427010
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SNP_P1_162555_11185481	NC_021167.1	Ca_kabuli_chr08	11185481	CC	AA	1940427012
SNP_P1_162556_11185719	NC_021167.1	Ca_kabuli_chr08	11185719	GG	AA	1940427013
SNP_P1_162557_11186071	NC_021167.1	Ca_kabuli_chr08	11186071	AA	GG	1940427014
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SNP_P1_162560_11193324	NC_021167.1	Ca_kabuli_chr08	11193324	CC	GG	1940427017
SNP_P1_162562_11193686	NC_021167.1	Ca_kabuli_chr08	11193686	AA	GG	1940427018
SNP_P1_162563_11193696	NC_021167.1	Ca_kabuli_chr08	11193696	AA	GG	1940427019
SNP_P1_162564_11193836	NC_021167.1	Ca_kabuli_chr08	11193836	AA	GG	1940427020
SNP_P1_162565_11194201	NC_021167.1	Ca_kabuli_chr08	11194201	TT	AA	1940427021
SNP_P1_162568_11216165	NC_021167.1	Ca_kabuli_chr08	11216165	AA	TT	1940427022
SNP_P1_162569_11233983	NC_021167.1	Ca_kabuli_chr08	11233983	CC	AA	1940427023
SNP_P1_162571_11314623	NC_021167.1	Ca_kabuli_chr08	11314623	TT	GG	1940427024
SNP_P1_162572_11317239	NC_021167.1	Ca_kabuli_chr08	11317239	TT	CC	1940427025
SNP_P1_162573_11317274	NC_021167.1	Ca_kabuli_chr08	11317274	GG	AA	1940427026
SNP_P1_162574_11317294	NC_021167.1	Ca_kabuli_chr08	11317294	AA	TT	1940427027
SNP_P1_162575_11317617	NC_021167.1	Ca_kabuli_chr08	11317617	TT	AA	1940427028
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SNP_P1_162577_11321288	NC_021167.1	Ca_kabuli_chr08	11321288	CC	TT	1940427030
SNP_P1_162578_11340332	NC_021167.1	Ca_kabuli_chr08	11340332	CC	TT	1940427031
SNP_P1_162579_11340968	NC_021167.1	Ca_kabuli_chr08	11340968	AA	TT	1940427032
SNP_P1_162580_11340983	NC_021167.1	Ca_kabuli_chr08	11340983	AA	GG	1940427033

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162584_11359909	NC_021167.1	Ca_kabuli_chr08	11359909	CC	GG	1940427036
SNP_P1_162585_11371844	NC_021167.1	Ca_kabuli_chr08	11371844	CC	TT	1940427037
SNP_P1_162586_11372729	NC_021167.1	Ca_kabuli_chr08	11372729	AA	GG	1940427038
SNP_P1_162587_11372813	NC_021167.1	Ca_kabuli_chr08	11372813	TT	CC	1940427039
SNP_P1_162589_11391079	NC_021167.1	Ca_kabuli_chr08	11391079	AA	TT	1940427040
SNP_P1_162590_11403805	NC_021167.1	Ca_kabuli_chr08	11403805	AA	GG	1940427041
SNP_P1_162591_11415231	NC_021167.1	Ca_kabuli_chr08	11415231	CC	AA	1940427042
SNP_P1_162592_11415488	NC_021167.1	Ca_kabuli_chr08	11415488	TT	CC	1940427043
SNP_P1_162593_11415518	NC_021167.1	Ca_kabuli_chr08	11415518	AA	GG	1940427044
SNP_P1_162594_11415552	NC_021167.1	Ca_kabuli_chr08	11415552	AA	GG	1940427045
SNP_P1_162595_11415554	NC_021167.1	Ca_kabuli_chr08	11415554	GG	AA	1940427046
SNP_P1_162596_11415573	NC_021167.1	Ca_kabuli_chr08	11415573	GG	AA	1940427047
SNP_P1_162597_11421691	NC_021167.1	Ca_kabuli_chr08	11421691	AA	GG	1940427048
SNP_P1_162598_11422407	NC_021167.1	Ca_kabuli_chr08	11422407	AA	GG	1940427049
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SNP_P1_162601_11422497	NC_021167.1	Ca_kabuli_chr08	11422497	GG	AA	1940427052
SNP_P1_162602_11422533	NC_021167.1	Ca_kabuli_chr08	11422533	AA	TT	1940427053
SNP_P1_162603_11422581	NC_021167.1	Ca_kabuli_chr08	11422581	AA	CC	1940427054
SNP_P1_162604_11422612	NC_021167.1	Ca_kabuli_chr08	11422612	GG	AA	1940427055
SNP_P1_162606_11422654	NC_021167.1	Ca_kabuli_chr08	11422654	TT	CC	1940427056
SNP_P1_162607_11422830	NC_021167.1	Ca_kabuli_chr08	11422830	CC	TT	1940427057
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SNP_P1_162613_11443050	NC_021167.1	Ca_kabuli_chr08	11443050	GG	AA	1940427062
SNP_P1_162614_11443051	NC_021167.1	Ca_kabuli_chr08	11443051	CC	AA	1940427063
SNP_P1_162615_11448950	NC_021167.1	Ca_kabuli_chr08	11448950	GG	AA	1940427064
SNP_P1_162616_11448972	NC_021167.1	Ca_kabuli_chr08	11448972	AA	CC	1940427065
SNP_P1_162617_11449139	NC_021167.1	Ca_kabuli_chr08	11449139	TT	CC	1940427066
SNP_P1_162618_11449141	NC_021167.1	Ca_kabuli_chr08	11449141	GG	TT	1940427067
SNP_P1_162619_11449290	NC_021167.1	Ca_kabuli_chr08	11449290	AA	GG	1940427068
SNP_P1_162620_11449296	NC_021167.1	Ca_kabuli_chr08	11449296	GG	AA	1940427069
SNP_P1_162621_11449398	NC_021167.1	Ca_kabuli_chr08	11449398	TT	AA	1940427070
SNP_P1_162622_11449406	NC_021167.1	Ca_kabuli_chr08	11449406	CC	GG	1940427071
SNP_P1_162623_11449507	NC_021167.1	Ca_kabuli_chr08	11449507	TT	CC	1940427072
SNP_P1_162624_11449550	NC_021167.1	Ca_kabuli_chr08	11449550	TT	AA	1940427073
SNP_P1_162625_11449564	NC_021167.1	Ca_kabuli_chr08	11449564	GG	AA	1940427074
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162630_11458280	NC_021167.1	Ca_kabuli_chr08	11458280	TT	AA	1940427078
SNP_P1_162631_11458316	NC_021167.1	Ca_kabuli_chr08	11458316	TT	GG	1940427079
SNP_P1_162632_11458348	NC_021167.1	Ca_kabuli_chr08	11458348	AA	GG	1940427080
SNP_P1_162633_11458362	NC_021167.1	Ca_kabuli_chr08	11458362	TT	AA	1940427081
SNP_P1_162634_11458364	NC_021167.1	Ca_kabuli_chr08	11458364	AA	GG	1940427082
SNP_P1_162635_11458531	NC_021167.1	Ca_kabuli_chr08	11458531	TT	CC	1940427083
SNP_P1_162636_11458536	NC_021167.1	Ca_kabuli_chr08	11458536	TT	CC	1940427084
SNP_P1_162637_11458537	NC_021167.1	Ca_kabuli_chr08	11458537	GG	AA	1940427085
SNP_P1_162638_11458565	NC_021167.1	Ca_kabuli_chr08	11458565	CC	TT	1940427086
SNP_P1_162639_11458601	NC_021167.1	Ca_kabuli_chr08	11458601	GG	AA	1940427087
SNP_P1_162640_11458624	NC_021167.1	Ca_kabuli_chr08	11458624	AA	TT	1940427088
SNP_P1_162641_11463503	NC_021167.1	Ca_kabuli_chr08	11463503	GG	AA	1940427089
SNP_P1_162642_11523118	NC_021167.1	Ca_kabuli_chr08	11523118	TT	GG	1940427090
SNP_P1_162643_11528288	NC_021167.1	Ca_kabuli_chr08	11528288	GG	AA	1940427091
SNP_P1_162644_11530316	NC_021167.1	Ca_kabuli_chr08	11530316	GG	TT	1940427092
SNP_P1_162647_11545479	NC_021167.1	Ca_kabuli_chr08	11545479	TT	AA	1940427093
SNP_P1_162649_11556163	NC_021167.1	Ca_kabuli_chr08	11556163	TT	CC	1940427094
SNP_P1_162652_11600635	NC_021167.1	Ca_kabuli_chr08	11600635	TT	AA	1940427095
SNP_P1_162653_11603810	NC_021167.1	Ca_kabuli_chr08	11603810	CC	TT	1940427096
SNP_P1_162654_11603897	NC_021167.1	Ca_kabuli_chr08	11603897	GG	TT	1940427097
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SNP_P1_162659_11604269	NC_021167.1	Ca_kabuli_chr08	11604269	TT	CC	1940427101
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SNP_P1_162662_11605010	NC_021167.1	Ca_kabuli_chr08	11605010	CC	TT	1940427104
SNP_P1_162663_11605190	NC_021167.1	Ca_kabuli_chr08	11605190	GG	CC	1940427105
SNP_P1_162664_11605201	NC_021167.1	Ca_kabuli_chr08	11605201	CC	TT	1940427106
SNP_P1_162665_11605213	NC_021167.1	Ca_kabuli_chr08	11605213	TT	AA	1940427107
SNP_P1_162666_11605246	NC_021167.1	Ca_kabuli_chr08	11605246	TT	GG	1940427108
SNP_P1_162667_11605247	NC_021167.1	Ca_kabuli_chr08	11605247	AA	TT	1940427109
SNP_P1_162668_11605311	NC_021167.1	Ca_kabuli_chr08	11605311	GG	TT	1940427110
SNP_P1_162669_11605315	NC_021167.1	Ca_kabuli_chr08	11605315	AA	TT	1940427111
SNP_P1_162670_11605316	NC_021167.1	Ca_kabuli_chr08	11605316	GG	AA	1940427112
SNP_P1_162672_11645893	NC_021167.1	Ca_kabuli_chr08	11645893	CC	TT	1940427113
SNP_P1_162673_11653345	NC_021167.1	Ca_kabuli_chr08	11653345	TT	CC	1940427114
SNP_P1_162675_11720686	NC_021167.1	Ca_kabuli_chr08	11720686	TT	AA	1940427115
SNP_P1_162677_11757371	NC_021167.1	Ca_kabuli_chr08	11757371	AA	GG	1940427116
SNP_P1_162679_11757482	NC_021167.1	Ca_kabuli_chr08	11757482	TT	CC	1940427117

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162683_11858866	NC_021167.1	Ca_kabuli_chr08	11858866	AA	GG	1940427120
SNP_P1_162686_11876509	NC_021167.1	Ca_kabuli_chr08	11876509	TT	AA	1940427121
SNP_P1_162687_11876518	NC_021167.1	Ca_kabuli_chr08	11876518	TT	CC	1940427122
SNP_P1_162688_11876522	NC_021167.1	Ca_kabuli_chr08	11876522	TT	CC	1940427123
SNP_P1_162690_11921424	NC_021167.1	Ca_kabuli_chr08	11921424	AA	GG	1940427124
SNP_P1_162691_11921442	NC_021167.1	Ca_kabuli_chr08	11921442	AA	TT	1940427125
SNP_P1_162692_11921626	NC_021167.1	Ca_kabuli_chr08	11921626	TT	AA	1940427126
SNP_P1_162693_11921692	NC_021167.1	Ca_kabuli_chr08	11921692	GG	AA	1940427127
SNP_P1_162694_11921782	NC_021167.1	Ca_kabuli_chr08	11921782	TT	CC	1940427128
SNP_P1_162695_11921947	NC_021167.1	Ca_kabuli_chr08	11921947	AA	CC	1940427129
SNP_P1_162696_11925325	NC_021167.1	Ca_kabuli_chr08	11925325	AA	GG	1940427130
SNP_P1_162697_11925332	NC_021167.1	Ca_kabuli_chr08	11925332	TT	AA	1940427131
SNP_P1_162698_11933285	NC_021167.1	Ca_kabuli_chr08	11933285	GG	AA	1940427132
SNP_P1_162699_11945142	NC_021167.1	Ca_kabuli_chr08	11945142	AA	GG	1940427133
SNP_P1_162700_11945146	NC_021167.1	Ca_kabuli_chr08	11945146	TT	CC	1940427134
SNP_P1_162702_11950725	NC_021167.1	Ca_kabuli_chr08	11950725	CC	TT	1940427135
SNP_P1_162703_11950737	NC_021167.1	Ca_kabuli_chr08	11950737	AA	GG	1940427136
SNP_P1_162705_11955482	NC_021167.1	Ca_kabuli_chr08	11955482	CC	TT	1940427137
SNP_P1_162706_11955645	NC_021167.1	Ca_kabuli_chr08	11955645	CC	TT	1940427138
SNP_P1_162708_11968909	NC_021167.1	Ca_kabuli_chr08	11968909	TT	CC	1940427139
SNP_P1_162709_11969024	NC_021167.1	Ca_kabuli_chr08	11969024	CC	AA	1940427140
SNP_P1_162710_11969036	NC_021167.1	Ca_kabuli_chr08	11969036	CC	AA	1940427141
SNP_P1_162711_11969073	NC_021167.1	Ca_kabuli_chr08	11969073	TT	AA	1940427142
SNP_P1_162712_11969201	NC_021167.1	Ca_kabuli_chr08	11969201	TT	CC	1940427143
SNP_P1_162713_11969474	NC_021167.1	Ca_kabuli_chr08	11969474	CC	AA	1940427144
SNP_P1_162714_11969487	NC_021167.1	Ca_kabuli_chr08	11969487	CC	AA	1940427145
SNP_P1_162715_11969493	NC_021167.1	Ca_kabuli_chr08	11969493	CC	TT	1940427147
SNP_P1_162716_11969525	NC_021167.1	Ca_kabuli_chr08	11969525	AA	GG	1940427148
SNP_P1_162717_11969547	NC_021167.1	Ca_kabuli_chr08	11969547	AA	TT	1940427149
SNP_P1_162718_11969563	NC_021167.1	Ca_kabuli_chr08	11969563	CC	AA	1940427150
SNP_P1_162721_11975718	NC_021167.1	Ca_kabuli_chr08	11975718	CC	GG	1940427151
SNP_P1_162722_11975784	NC_021167.1	Ca_kabuli_chr08	11975784	AA	TT	1940427152
SNP_P1_162723_11975895	NC_021167.1	Ca_kabuli_chr08	11975895	AA	GG	1940427153
SNP_P1_162725_11976024	NC_021167.1	Ca_kabuli_chr08	11976024	GG	AA	1940427154
SNP_P1_162727_11976159	NC_021167.1	Ca_kabuli_chr08	11976159	AA	GG	1940427155
SNP_P1_162728_11976169	NC_021167.1	Ca_kabuli_chr08	11976169	AA	GG	1940427156
SNP_P1_162730_11976199	NC_021167.1	Ca_kabuli_chr08	11976199	CC	TT	1940427157
SNP_P1_162731_11976252	NC_021167.1	Ca_kabuli_chr08	11976252	AA	TT	1940427158
SNP_P1_162732_11976324	NC_021167.1	Ca_kabuli_chr08	11976324	AA	TT	1940427159
SNP_P1_162733_11976329	NC_021167.1	Ca_kabuli_chr08	11976329	AA	GG	1940427160

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162735_11976580	NC_021167.1	Ca_kabuli_chr08	11976580	CC	TT	1940427162
SNP_P1_162736_11976878	NC_021167.1	Ca_kabuli_chr08	11976878	CC	TT	1940427163
SNP_P1_162738_11979726	NC_021167.1	Ca_kabuli_chr08	11979726	AA	GG	1940427164
SNP_P1_162739_11979746	NC_021167.1	Ca_kabuli_chr08	11979746	TT	GG	1940427165
SNP_P1_162740_11979747	NC_021167.1	Ca_kabuli_chr08	11979747	GG	TT	1940427166
SNP_P1_162741_11979764	NC_021167.1	Ca_kabuli_chr08	11979764	TT	CC	1940427167
SNP_P1_162743_11979781	NC_021167.1	Ca_kabuli_chr08	11979781	AA	TT	1940427168
SNP_P1_162744_11979785	NC_021167.1	Ca_kabuli_chr08	11979785	GG	AA	1940427169
SNP_P1_162745_11979786	NC_021167.1	Ca_kabuli_chr08	11979786	TT	CC	1940427170
SNP_P1_162746_11979795	NC_021167.1	Ca_kabuli_chr08	11979795	AA	GG	1940427171
SNP_P1_162747_11982960	NC_021167.1	Ca_kabuli_chr08	11982960	GG	TT	1940427172
SNP_P1_162748_11982965	NC_021167.1	Ca_kabuli_chr08	11982965	AA	GG	1940427173
SNP_P1_162749_11985640	NC_021167.1	Ca_kabuli_chr08	11985640	CC	TT	1940427174
SNP_P1_162750_11986008	NC_021167.1	Ca_kabuli_chr08	11986008	CC	AA	1940427175
SNP_P1_162751_11986056	NC_021167.1	Ca_kabuli_chr08	11986056	GG	AA	1940427176
SNP_P1_162752_11992934	NC_021167.1	Ca_kabuli_chr08	11992934	TT	CC	1940427177
SNP_P1_162753_11992956	NC_021167.1	Ca_kabuli_chr08	11992956	GG	AA	1940427178
SNP_P1_162754_11993008	NC_021167.1	Ca_kabuli_chr08	11993008	GG	AA	1940427179
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SNP_P1_162757_12007255	NC_021167.1	Ca_kabuli_chr08	12007255	GG	AA	1940427182
SNP_P1_162758_12007271	NC_021167.1	Ca_kabuli_chr08	12007271	AA	GG	1940427183
SNP_P1_162759_12011596	NC_021167.1	Ca_kabuli_chr08	12011596	GG	AA	1940427184
SNP_P1_162760_12014656	NC_021167.1	Ca_kabuli_chr08	12014656	CC	TT	1940427185
SNP_P1_162762_12016912	NC_021167.1	Ca_kabuli_chr08	12016912	AA	GG	1940427186
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SNP_P1_162765_12028757	NC_021167.1	Ca_kabuli_chr08	12028757	TT	AA	1940427189
SNP_P1_162766_12033551	NC_021167.1	Ca_kabuli_chr08	12033551	AA	GG	1940427190
SNP_P1_162767_12039061	NC_021167.1	Ca_kabuli_chr08	12039061	AA	CC	1940427191
SNP_P1_162772_12048556	NC_021167.1	Ca_kabuli_chr08	12048556	CC	TT	1940427192
SNP_P1_162773_12048590	NC_021167.1	Ca_kabuli_chr08	12048590	AA	GG	1940427193
SNP_P1_162774_12048748	NC_021167.1	Ca_kabuli_chr08	12048748	AA	GG	1940427194
SNP_P1_162775_12048776	NC_021167.1	Ca_kabuli_chr08	12048776	CC	AA	1940427195
SNP_P1_162776_12048782	NC_021167.1	Ca_kabuli_chr08	12048782	TT	CC	1940427196
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SNP_P1_162779_12055367	NC_021167.1	Ca_kabuli_chr08	12055367	GG	AA	1940427199
SNP_P1_162780_12056286	NC_021167.1	Ca_kabuli_chr08	12056286	AA	GG	1940427200
SNP_P1_162781_12056308	NC_021167.1	Ca_kabuli_chr08	12056308	TT	CC	1940427201
SNP_P1_162782_12056463	NC_021167.1	Ca_kabuli_chr08	12056463	AA	GG	1940427202

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162785_12056696	NC_021167.1	Ca_kabuli_chr08	12056696	AA	TT	1940427205
SNP_P1_162786_12061553	NC_021167.1	Ca_kabuli_chr08	12061553	GG	AA	1940427206
SNP_P1_162787_12062307	NC_021167.1	Ca_kabuli_chr08	12062307	TT	CC	1940427207
SNP_P1_162788_12069606	NC_021167.1	Ca_kabuli_chr08	12069606	TT	CC	1940427208
SNP_P1_162790_12081869	NC_021167.1	Ca_kabuli_chr08	12081869	AA	TT	1940427209
SNP_P1_162792_12081906	NC_021167.1	Ca_kabuli_chr08	12081906	CC	TT	1940427210
SNP_P1_162793_12081910	NC_021167.1	Ca_kabuli_chr08	12081910	AA	CC	1940427211
SNP_P1_162794_12081945	NC_021167.1	Ca_kabuli_chr08	12081945	GG	AA	1940427212
SNP_P1_162795_12082228	NC_021167.1	Ca_kabuli_chr08	12082228	TT	GG	1940427213
SNP_P1_162796_12083936	NC_021167.1	Ca_kabuli_chr08	12083936	TT	CC	1940427214
SNP_P1_162798_12087530	NC_021167.1	Ca_kabuli_chr08	12087530	AA	CC	1940427215
SNP_P1_162799_12802545	NC_021167.1	Ca_kabuli_chr08	12802545	AA	GG	1940427216
SNP_P1_162800_12806781	NC_021167.1	Ca_kabuli_chr08	12806781	AA	GG	1940427217
SNP_P1_162801_12806787	NC_021167.1	Ca_kabuli_chr08	12806787	TT	CC	1940427218
SNP_P1_162802_12806793	NC_021167.1	Ca_kabuli_chr08	12806793	GG	AA	1940427219
SNP_P1_162803_12806798	NC_021167.1	Ca_kabuli_chr08	12806798	GG	AA	1940427220
SNP_P1_162804_12809522	NC_021167.1	Ca_kabuli_chr08	12809522	GG	TT	1940427221
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SNP_P1_162807_12812417	NC_021167.1	Ca_kabuli_chr08	12812417	CC	AA	1940427223
SNP_P1_162808_12812418	NC_021167.1	Ca_kabuli_chr08	12812418	CC	TT	1940427224
SNP_P1_162809_12812420	NC_021167.1	Ca_kabuli_chr08	12812420	TT	AA	1940427225
SNP_P1_162810_12814099	NC_021167.1	Ca_kabuli_chr08	12814099	TT	CC	1940427226
SNP_P1_162811_12818192	NC_021167.1	Ca_kabuli_chr08	12818192	CC	TT	1940427227
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SNP_P1_162816_12844203	NC_021167.1	Ca_kabuli_chr08	12844203	GG	AA	1940427232
SNP_P1_162817_12844204	NC_021167.1	Ca_kabuli_chr08	12844204	TT	CC	1940427233
SNP_P1_162818_12844214	NC_021167.1	Ca_kabuli_chr08	12844214	TT	CC	1940427234
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SNP_P1_162822_12878103	NC_021167.1	Ca_kabuli_chr08	12878103	AA	CC	1940427237
SNP_P1_162823_12878107	NC_021167.1	Ca_kabuli_chr08	12878107	TT	GG	1940427238
SNP_P1_162824_12938661	NC_021167.1	Ca_kabuli_chr08	12938661	GG	AA	1940427239
SNP_P1_162825_12963907	NC_021167.1	Ca_kabuli_chr08	12963907	AA	TT	1940427240
SNP_P1_162826_12963954	NC_021167.1	Ca_kabuli_chr08	12963954	GG	AA	1940427241
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SNP_P1_162828_12978005	NC_021167.1	Ca_kabuli_chr08	12978005	TT	GG	1940427243
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162832_12978851	NC_021167.1	Ca_kabuli_chr08	12978851	AA	GG	1940427247
SNP_P1_162833_12978931	NC_021167.1	Ca_kabuli_chr08	12978931	AA	GG	1940427248
SNP_P1_162834_12978958	NC_021167.1	Ca_kabuli_chr08	12978958	CC	AA	1940427249
SNP_P1_162837_12979086	NC_021167.1	Ca_kabuli_chr08	12979086	CC	GG	1940427250
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SNP_P1_162840_12979161	NC_021167.1	Ca_kabuli_chr08	12979161	CC	TT	1940427253
SNP_P1_162841_12979166	NC_021167.1	Ca_kabuli_chr08	12979166	AA	GG	1940427254
SNP_P1_162842_12979204	NC_021167.1	Ca_kabuli_chr08	12979204	TT	CC	1940427255
SNP_P1_162843_12979252	NC_021167.1	Ca_kabuli_chr08	12979252	AA	TT	1940427256
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SNP_P1_162845_12979338	NC_021167.1	Ca_kabuli_chr08	12979338	AA	GG	1940427258
SNP_P1_162846_12979367	NC_021167.1	Ca_kabuli_chr08	12979367	TT	CC	1940427259
SNP_P1_162847_12979513	NC_021167.1	Ca_kabuli_chr08	12979513	AA	GG	1940427260
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SNP_P1_162869_12981045	NC_021167.1	Ca_kabuli_chr08	12981045	CC	TT	1940427280
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SNP_P1_162872_12982481	NC_021167.1	Ca_kabuli_chr08	12982481	GG	AA	1940427283
SNP_P1_162873_12982921	NC_021167.1	Ca_kabuli_chr08	12982921	AA	CC	1940427284
SNP_P1_162874_12983125	NC_021167.1	Ca_kabuli_chr08	12983125	CC	TT	1940427285
SNP_P1_162875_12983200	NC_021167.1	Ca_kabuli_chr08	12983200	GG	TT	1940427286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162879_12983506	NC_021167.1	Ca_kabuli_chr08	12983506	AA	CC	1940427289
SNP_P1_162880_12983529	NC_021167.1	Ca_kabuli_chr08	12983529	AA	GG	1940427290
SNP_P1_162881_12983626	NC_021167.1	Ca_kabuli_chr08	12983626	TT	CC	1940427291
SNP_P1_162882_12983705	NC_021167.1	Ca_kabuli_chr08	12983705	AA	GG	1940427292
SNP_P1_162883_12983740	NC_021167.1	Ca_kabuli_chr08	12983740	TT	AA	1940427293
SNP_P1_162884_12983762	NC_021167.1	Ca_kabuli_chr08	12983762	CC	TT	1940427294
SNP_P1_162885_12983803	NC_021167.1	Ca_kabuli_chr08	12983803	CC	TT	1940427295
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SNP_P1_162899_12984266	NC_021167.1	Ca_kabuli_chr08	12984266	AA	TT	1940427308
SNP_P1_162900_12984293	NC_021167.1	Ca_kabuli_chr08	12984293	AA	GG	1940427309
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SNP_P1_162902_12984359	NC_021167.1	Ca_kabuli_chr08	12984359	AA	GG	1940427311
SNP_P1_162903_12984375	NC_021167.1	Ca_kabuli_chr08	12984375	TT	CC	1940427312
SNP_P1_162904_12984390	NC_021167.1	Ca_kabuli_chr08	12984390	TT	CC	1940427313
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SNP_P1_162907_12984734	NC_021167.1	Ca_kabuli_chr08	12984734	AA	TT	1940427316
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SNP_P1_162915_12985038	NC_021167.1	Ca_kabuli_chr08	12985038	AA	CC	1940427324
SNP_P1_162916_12985058	NC_021167.1	Ca_kabuli_chr08	12985058	TT	CC	1940427325
SNP_P1_162917_12985116	NC_021167.1	Ca_kabuli_chr08	12985116	AA	GG	1940427326
SNP_P1_162918_12985121	NC_021167.1	Ca_kabuli_chr08	12985121	TT	CC	1940427327
SNP_P1_162919_12985151	NC_021167.1	Ca_kabuli_chr08	12985151	AA	CC	1940427328
SNP_P1_162920_12985289	NC_021167.1	Ca_kabuli_chr08	12985289	GG	CC	1940427329

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162922_12985350	NC_021167.1	Ca_kabuli_chr08	12985350	AA	GG	1940427331
SNP_P1_162923_12985586	NC_021167.1	Ca_kabuli_chr08	12985586	GG	AA	1940427332
SNP_P1_162924_12985601	NC_021167.1	Ca_kabuli_chr08	12985601	AA	GG	1940427333
SNP_P1_162925_12985618	NC_021167.1	Ca_kabuli_chr08	12985618	CC	TT	1940427334
SNP_P1_162926_12985762	NC_021167.1	Ca_kabuli_chr08	12985762	AA	GG	1940427335
SNP_P1_162927_12986964	NC_021167.1	Ca_kabuli_chr08	12986964	AA	CC	1940427336
SNP_P1_162928_12987030	NC_021167.1	Ca_kabuli_chr08	12987030	AA	CC	1940427337
SNP_P1_162929_12987115	NC_021167.1	Ca_kabuli_chr08	12987115	CC	AA	1940427338
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SNP_P1_162931_12987186	NC_021167.1	Ca_kabuli_chr08	12987186	CC	TT	1940427340
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SNP_P1_162933_12987250	NC_021167.1	Ca_kabuli_chr08	12987250	GG	TT	1940427342
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SNP_P1_162962_12988665	NC_021167.1	Ca_kabuli_chr08	12988665	CC	TT	1940427370
SNP_P1_162963_12988824	NC_021167.1	Ca_kabuli_chr08	12988824	CC	AA	1940427371

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_162968_12989035	NC_021167.1	Ca_kabuli_chr08	12989035	AA	GG	1940427376
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SNP_P1_162977_12989412	NC_021167.1	Ca_kabuli_chr08	12989412	AA	GG	1940427385
SNP_P1_162978_12989811	NC_021167.1	Ca_kabuli_chr08	12989811	GG	AA	1940427386
SNP_P1_162979_12989855	NC_021167.1	Ca_kabuli_chr08	12989855	AA	GG	1940427387
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SNP_P1_162982_12996488	NC_021167.1	Ca_kabuli_chr08	12996488	TT	GG	1940427389
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SNP_P1_162984_12998626	NC_021167.1	Ca_kabuli_chr08	12998626	TT	CC	1940427391
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SNP_P1_162986_12998764	NC_021167.1	Ca_kabuli_chr08	12998764	AA	CC	1940427393
SNP_P1_162987_12998942	NC_021167.1	Ca_kabuli_chr08	12998942	CC	TT	1940427394
SNP_P1_162988_12998952	NC_021167.1	Ca_kabuli_chr08	12998952	TT	CC	1940427395
SNP_P1_162989_12998960	NC_021167.1	Ca_kabuli_chr08	12998960	TT	CC	1940427396
SNP_P1_162990_12999017	NC_021167.1	Ca_kabuli_chr08	12999017	CC	TT	1940427397
SNP_P1_162991_12999101	NC_021167.1	Ca_kabuli_chr08	12999101	AA	GG	1940427398
SNP_P1_162992_12999115	NC_021167.1	Ca_kabuli_chr08	12999115	GG	AA	1940427399
SNP_P1_162993_12999144	NC_021167.1	Ca_kabuli_chr08	12999144	GG	TT	1940427400
SNP_P1_162994_13001350	NC_021167.1	Ca_kabuli_chr08	13001350	TT	CC	1940427401
SNP_P1_162995_13001359	NC_021167.1	Ca_kabuli_chr08	13001359	AA	GG	1940427402
SNP_P1_162996_13005200	NC_021167.1	Ca_kabuli_chr08	13005200	AA	GG	1940427403
SNP_P1_162997_13005253	NC_021167.1	Ca_kabuli_chr08	13005253	CC	TT	1940427404
SNP_P1_162998_13005262	NC_021167.1	Ca_kabuli_chr08	13005262	TT	CC	1940427405
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SNP_P1_163003_13009242	NC_021167.1	Ca_kabuli_chr08	13009242	CC	GG	1940427410
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SNP_P1_163005_13009477	NC_021167.1	Ca_kabuli_chr08	13009477	TT	CC	1940427412
SNP_P1_163006_13009495	NC_021167.1	Ca_kabuli_chr08	13009495	CC	TT	1940427413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163008_13009588	NC_021167.1	Ca_kabuli_chr08	13009588	GG	CC	1940427415
SNP_P1_163009_13009603	NC_021167.1	Ca_kabuli_chr08	13009603	GG	AA	1940427416
SNP_P1_163010_13009619	NC_021167.1	Ca_kabuli_chr08	13009619	GG	AA	1940427417
SNP_P1_163011_13009638	NC_021167.1	Ca_kabuli_chr08	13009638	TT	CC	1940427418
SNP_P1_163012_13009643	NC_021167.1	Ca_kabuli_chr08	13009643	TT	CC	1940427419
SNP_P1_163013_13009646	NC_021167.1	Ca_kabuli_chr08	13009646	TT	CC	1940427420
SNP_P1_163014_13009661	NC_021167.1	Ca_kabuli_chr08	13009661	GG	AA	1940427421
SNP_P1_163015_13009664	NC_021167.1	Ca_kabuli_chr08	13009664	TT	CC	1940427422
SNP_P1_163016_13010722	NC_021167.1	Ca_kabuli_chr08	13010722	CC	TT	1940427423
SNP_P1_163017_13010816	NC_021167.1	Ca_kabuli_chr08	13010816	GG	AA	1940427424
SNP_P1_163018_13012674	NC_021167.1	Ca_kabuli_chr08	13012674	TT	AA	1940427425
SNP_P1_163019_13025011	NC_021167.1	Ca_kabuli_chr08	13025011	TT	AA	1940427426
SNP_P1_163020_13039829	NC_021167.1	Ca_kabuli_chr08	13039829	CC	TT	1940427427
SNP_P1_163021_13076502	NC_021167.1	Ca_kabuli_chr08	13076502	AA	CC	1940427428
SNP_P1_163022_13076503	NC_021167.1	Ca_kabuli_chr08	13076503	AA	TT	1940427429
SNP_P1_163024_13082128	NC_021167.1	Ca_kabuli_chr08	13082128	TT	GG	1940427430
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SNP_P1_163026_13087184	NC_021167.1	Ca_kabuli_chr08	13087184	AA	GG	1940427432
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SNP_P1_163031_13101425	NC_021167.1	Ca_kabuli_chr08	13101425	AA	TT	1940427437
SNP_P1_163032_13101503	NC_021167.1	Ca_kabuli_chr08	13101503	AA	TT	1940427438
SNP_P1_163033_13101518	NC_021167.1	Ca_kabuli_chr08	13101518	TT	CC	1940427439
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SNP_P1_163037_13103688	NC_021167.1	Ca_kabuli_chr08	13103688	CC	TT	1940427443
SNP_P1_163038_13103691	NC_021167.1	Ca_kabuli_chr08	13103691	GG	AA	1940427444
SNP_P1_163039_13103694	NC_021167.1	Ca_kabuli_chr08	13103694	GG	AA	1940427445
SNP_P1_163040_13103700	NC_021167.1	Ca_kabuli_chr08	13103700	AA	GG	1940427446
SNP_P1_163041_13103709	NC_021167.1	Ca_kabuli_chr08	13103709	TT	CC	1940427447
SNP_P1_163042_13106880	NC_021167.1	Ca_kabuli_chr08	13106880	GG	TT	1940427448
SNP_P1_163045_13186775	NC_021167.1	Ca_kabuli_chr08	13186775	CC	GG	1940427449
SNP_P1_163047_13227949	NC_021167.1	Ca_kabuli_chr08	13227949	CC	TT	1940427450
SNP_P1_163049_13296982	NC_021167.1	Ca_kabuli_chr08	13296982	TT	CC	1940427452
SNP_P1_163050_13297006	NC_021167.1	Ca_kabuli_chr08	13297006	AA	CC	1940427453
SNP_P1_163051_13297017	NC_021167.1	Ca_kabuli_chr08	13297017	TT	CC	1940427454
SNP_P1_163052_13297291	NC_021167.1	Ca_kabuli_chr08	13297291	AA	GG	1940427455
SNP_P1_163053_13297306	NC_021167.1	Ca_kabuli_chr08	13297306	AA	GG	1940427456

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163056_13297361	NC_021167.1	Ca_kabuli_chr08	13297361	TT	CC	1940427459
SNP_P1_163057_13297373	NC_021167.1	Ca_kabuli_chr08	13297373	CC	GG	1940427460
SNP_P1_163058_13297394	NC_021167.1	Ca_kabuli_chr08	13297394	CC	GG	1940427461
SNP_P1_163059_13297414	NC_021167.1	Ca_kabuli_chr08	13297414	AA	GG	1940427462
SNP_P1_163060_13297741	NC_021167.1	Ca_kabuli_chr08	13297741	TT	AA	1940427463
SNP_P1_163061_13297749	NC_021167.1	Ca_kabuli_chr08	13297749	AA	CC	1940427464
SNP_P1_163062_13297895	NC_021167.1	Ca_kabuli_chr08	13297895	GG	CC	1940427465
SNP_P1_163063_13297916	NC_021167.1	Ca_kabuli_chr08	13297916	TT	GG	1940427466
SNP_P1_163065_13298036	NC_021167.1	Ca_kabuli_chr08	13298036	TT	CC	1940427467
SNP_P1_163066_13298057	NC_021167.1	Ca_kabuli_chr08	13298057	GG	AA	1940427468
SNP_P1_163067_13298116	NC_021167.1	Ca_kabuli_chr08	13298116	TT	CC	1940427469
SNP_P1_163068_13298200	NC_021167.1	Ca_kabuli_chr08	13298200	AA	TT	1940427470
SNP_P1_163069_13298663	NC_021167.1	Ca_kabuli_chr08	13298663	AA	GG	1940427471
SNP_P1_163070_13298721	NC_021167.1	Ca_kabuli_chr08	13298721	TT	CC	1940427472
SNP_P1_163072_13308277	NC_021167.1	Ca_kabuli_chr08	13308277	TT	GG	1940427473
SNP_P1_163073_13308373	NC_021167.1	Ca_kabuli_chr08	13308373	AA	GG	1940427474
SNP_P1_163074_13308638	NC_021167.1	Ca_kabuli_chr08	13308638	CC	TT	1940427475
SNP_P1_163075_13308653	NC_021167.1	Ca_kabuli_chr08	13308653	AA	CC	1940427476
SNP_P1_163076_13308690	NC_021167.1	Ca_kabuli_chr08	13308690	TT	GG	1940427477
SNP_P1_163077_13308756	NC_021167.1	Ca_kabuli_chr08	13308756	TT	GG	1940427478
SNP_P1_163078_13308767	NC_021167.1	Ca_kabuli_chr08	13308767	GG	TT	1940427479
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SNP_P1_163083_13310553	NC_021167.1	Ca_kabuli_chr08	13310553	TT	CC	1940427484
SNP_P1_163084_13310593	NC_021167.1	Ca_kabuli_chr08	13310593	AA	GG	1940427485
SNP_P1_163085_13311065	NC_021167.1	Ca_kabuli_chr08	13311065	AA	CC	1940427486
SNP_P1_163086_13311095	NC_021167.1	Ca_kabuli_chr08	13311095	GG	CC	1940427487
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SNP_P1_163088_13312481	NC_021167.1	Ca_kabuli_chr08	13312481	AA	CC	1940427489
SNP_P1_163089_13312912	NC_021167.1	Ca_kabuli_chr08	13312912	AA	CC	1940427490
SNP_P1_163090_13312913	NC_021167.1	Ca_kabuli_chr08	13312913	TT	AA	1940427491
SNP_P1_163091_13312922	NC_021167.1	Ca_kabuli_chr08	13312922	AA	CC	1940427492
SNP_P1_163092_13312930	NC_021167.1	Ca_kabuli_chr08	13312930	CC	TT	1940427493
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SNP_P1_163094_13329151	NC_021167.1	Ca_kabuli_chr08	13329151	TT	CC	1940427495
SNP_P1_163095_13329419	NC_021167.1	Ca_kabuli_chr08	13329419	CC	TT	1940427496
SNP_P1_163096_13329457	NC_021167.1	Ca_kabuli_chr08	13329457	CC	TT	1940427497
SNP_P1_163097_13330504	NC_021167.1	Ca_kabuli_chr08	13330504	GG	AA	1940427498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163101_13367667	NC_021167.1	Ca_kabuli_chr08	13367667	CC	TT	1940427501
SNP_P1_163102_13368761	NC_021167.1	Ca_kabuli_chr08	13368761	CC	AA	1940427502
SNP_P1_163103_13369128	NC_021167.1	Ca_kabuli_chr08	13369128	AA	GG	1940427503
SNP_P1_163104_13369166	NC_021167.1	Ca_kabuli_chr08	13369166	GG	CC	1940427504
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SNP_P1_163113_13369513	NC_021167.1	Ca_kabuli_chr08	13369513	GG	TT	1940427513
SNP_P1_163115_13369858	NC_021167.1	Ca_kabuli_chr08	13369858	GG	AA	1940427514
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SNP_P1_163127_13475545	NC_021167.1	Ca_kabuli_chr08	13475545	AA	GG	1940427526
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SNP_P1_163143_13710449	NC_021167.1	Ca_kabuli_chr08	13710449	AA	GG	1940427540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163147_13719955	NC_021167.1	Ca_kabuli_chr08	13719955	GG	AA	1940427544
SNP_P1_163148_13723896	NC_021167.1	Ca_kabuli_chr08	13723896	AA	GG	1940427545
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SNP_P1_163160_13728022	NC_021167.1	Ca_kabuli_chr08	13728022	AA	GG	1940427557
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SNP_P1_163176_13750328	NC_021167.1	Ca_kabuli_chr08	13750328	CC	TT	1940427571
SNP_P1_163177_13750352	NC_021167.1	Ca_kabuli_chr08	13750352	TT	AA	1940427572
SNP_P1_163178_13750404	NC_021167.1	Ca_kabuli_chr08	13750404	AA	GG	1940427573
SNP_P1_163179_13751001	NC_021167.1	Ca_kabuli_chr08	13751001	GG	CC	1940427574
SNP_P1_163181_13753623	NC_021167.1	Ca_kabuli_chr08	13753623	CC	TT	1940427575
SNP_P1_163182_13757623	NC_021167.1	Ca_kabuli_chr08	13757623	CC	TT	1940427576
SNP_P1_163183_13758248	NC_021167.1	Ca_kabuli_chr08	13758248	AA	GG	1940427577
SNP_P1_163184_13758316	NC_021167.1	Ca_kabuli_chr08	13758316	GG	AA	1940427578
SNP_P1_163185_13758574	NC_021167.1	Ca_kabuli_chr08	13758574	TT	CC	1940427579
SNP_P1_163186_13758620	NC_021167.1	Ca_kabuli_chr08	13758620	GG	AA	1940427580
SNP_P1_163187_13758737	NC_021167.1	Ca_kabuli_chr08	13758737	TT	CC	1940427581
SNP_P1_163188_13759348	NC_021167.1	Ca_kabuli_chr08	13759348	GG	TT	1940427582

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_163189_13759349	NC_021167.1	Ca_kabuli_chr08	13759349	AA	GG	1940427583
SNP_P1_163190_13765814	NC_021167.1	Ca_kabuli_chr08	13765814	CC	TT	1940427584
SNP_P1_163191_13766603	NC_021167.1	Ca_kabuli_chr08	13766603	GG	AA	1940427585
SNP_P1_163192_13774512	NC_021167.1	Ca_kabuli_chr08	13774512	AA	GG	1940427586
SNP_P1_163193_13774524	NC_021167.1	Ca_kabuli_chr08	13774524	CC	TT	1940427587
SNP_P1_163194_13776435	NC_021167.1	Ca_kabuli_chr08	13776435	GG	TT	1940427588
SNP_P1_163197_13776497	NC_021167.1	Ca_kabuli_chr08	13776497	CC	TT	1940427589
SNP_P1_163198_13776506	NC_021167.1	Ca_kabuli_chr08	13776506	TT	CC	1940427590
SNP_P1_163199_13776558	NC_021167.1	Ca_kabuli_chr08	13776558	CC	TT	1940427591
SNP_P1_163200_13776602	NC_021167.1	Ca_kabuli_chr08	13776602	TT	CC	1940427592
SNP_P1_163201_13778284	NC_021167.1	Ca_kabuli_chr08	13778284	GG	CC	1940427593
SNP_P1_163202_13778413	NC_021167.1	Ca_kabuli_chr08	13778413	TT	GG	1940427594
SNP_P1_163204_13778822	NC_021167.1	Ca_kabuli_chr08	13778822	AA	GG	1940427595
SNP_P1_163205_13778862	NC_021167.1	Ca_kabuli_chr08	13778862	TT	AA	1940427596
SNP_P1_163206_13779189	NC_021167.1	Ca_kabuli_chr08	13779189	TT	CC	1940427597
SNP_P1_163207_13799609	NC_021167.1	Ca_kabuli_chr08	13799609	CC	TT	1940427598
SNP_P1_163208_13799753	NC_021167.1	Ca_kabuli_chr08	13799753	GG	AA	1940427599
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SNP_P1_163210_13799792	NC_021167.1	Ca_kabuli_chr08	13799792	CC	TT	1940427601
SNP_P1_163211_13799814	NC_021167.1	Ca_kabuli_chr08	13799814	GG	AA	1940427602
SNP_P1_163212_13799820	NC_021167.1	Ca_kabuli_chr08	13799820	CC	TT	1940427603
SNP_P1_163213_13799840	NC_021167.1	Ca_kabuli_chr08	13799840	AA	GG	1940427604
SNP_P1_163215_13799873	NC_021167.1	Ca_kabuli_chr08	13799873	AA	CC	1940427606
SNP_P1_163216_13799882	NC_021167.1	Ca_kabuli_chr08	13799882	TT	CC	1940427607
SNP_P1_163217_13799894	NC_021167.1	Ca_kabuli_chr08	13799894	TT	CC	1940427608
SNP_P1_163218_13799921	NC_021167.1	Ca_kabuli_chr08	13799921	AA	GG	1940427609
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SNP_P1_163221_13800093	NC_021167.1	Ca_kabuli_chr08	13800093	CC	TT	1940427612
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SNP_P1_163224_13802031	NC_021167.1	Ca_kabuli_chr08	13802031	TT	CC	1940427615
SNP_P1_163225_13802133	NC_021167.1	Ca_kabuli_chr08	13802133	TT	AA	1940427616
SNP_P1_163226_13802136	NC_021167.1	Ca_kabuli_chr08	13802136	TT	CC	1940427617
SNP_P1_163227_13802407	NC_021167.1	Ca_kabuli_chr08	13802407	AA	GG	1940427618
SNP_P1_163228_13802446	NC_021167.1	Ca_kabuli_chr08	13802446	CC	TT	1940427619
SNP_P1_163229_13802453	NC_021167.1	Ca_kabuli_chr08	13802453	AA	GG	1940427620
SNP_P1_163230_13802474	NC_021167.1	Ca_kabuli_chr08	13802474	CC	TT	1940427621
SNP_P1_163231_13802510	NC_021167.1	Ca_kabuli_chr08	13802510	TT	AA	1940427622
SNP_P1_163232_13802521	NC_021167.1	Ca_kabuli_chr08	13802521	AA	GG	1940427623
SNP_P1_163233_13813386	NC_021167.1	Ca_kabuli_chr08	13813386	GG	AA	1940427624
SNP_P1_163234_13813440	NC_021167.1	Ca_kabuli_chr08	13813440	AA	GG	1940427625

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163236_13813683	NC_021167.1	Ca_kabuli_chr08	13813683	TT	AA	1940427627
SNP_P1_163237_13813715	NC_021167.1	Ca_kabuli_chr08	13813715	CC	TT	1940427628
SNP_P1_163238_13813849	NC_021167.1	Ca_kabuli_chr08	13813849	AA	TT	1940427629
SNP_P1_163239_13813887	NC_021167.1	Ca_kabuli_chr08	13813887	AA	GG	1940427630
SNP_P1_163240_13813888	NC_021167.1	Ca_kabuli_chr08	13813888	GG	AA	1940427631
SNP_P1_163241_13813908	NC_021167.1	Ca_kabuli_chr08	13813908	CC	TT	1940427632
SNP_P1_163242_13814376	NC_021167.1	Ca_kabuli_chr08	13814376	CC	GG	1940427633
SNP_P1_163243_13814878	NC_021167.1	Ca_kabuli_chr08	13814878	CC	TT	1940427634
SNP_P1_163244_13814899	NC_021167.1	Ca_kabuli_chr08	13814899	CC	AA	1940427635
SNP_P1_163247_13815128	NC_021167.1	Ca_kabuli_chr08	13815128	AA	GG	1940427636
SNP_P1_163248_13815137	NC_021167.1	Ca_kabuli_chr08	13815137	CC	TT	1940427637
SNP_P1_163249_13815150	NC_021167.1	Ca_kabuli_chr08	13815150	CC	GG	1940427638
SNP_P1_163250_13815171	NC_021167.1	Ca_kabuli_chr08	13815171	AA	TT	1940427639
SNP_P1_163251_13815198	NC_021167.1	Ca_kabuli_chr08	13815198	GG	AA	1940427640
SNP_P1_163252_13815204	NC_021167.1	Ca_kabuli_chr08	13815204	CC	GG	1940427641
SNP_P1_163253_13815322	NC_021167.1	Ca_kabuli_chr08	13815322	CC	AA	1940427642
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SNP_P1_163255_13815453	NC_021167.1	Ca_kabuli_chr08	13815453	TT	GG	1940427644
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SNP_P1_163257_13815479	NC_021167.1	Ca_kabuli_chr08	13815479	AA	CC	1940427646
SNP_P1_163258_13815524	NC_021167.1	Ca_kabuli_chr08	13815524	TT	AA	1940427647
SNP_P1_163259_13815530	NC_021167.1	Ca_kabuli_chr08	13815530	GG	AA	1940427648
SNP_P1_163260_13815533	NC_021167.1	Ca_kabuli_chr08	13815533	TT	AA	1940427649
SNP_P1_163261_13815590	NC_021167.1	Ca_kabuli_chr08	13815590	AA	GG	1940427650
SNP_P1_163262_13815710	NC_021167.1	Ca_kabuli_chr08	13815710	AA	GG	1940427651
SNP_P1_163263_13817357	NC_021167.1	Ca_kabuli_chr08	13817357	GG	AA	1940427652
SNP_P1_163265_13821623	NC_021167.1	Ca_kabuli_chr08	13821623	CC	TT	1940427653
SNP_P1_163266_13821638	NC_021167.1	Ca_kabuli_chr08	13821638	TT	CC	1940427654
SNP_P1_163267_13821674	NC_021167.1	Ca_kabuli_chr08	13821674	TT	CC	1940427655
SNP_P1_163268_13821691	NC_021167.1	Ca_kabuli_chr08	13821691	AA	GG	1940427656
SNP_P1_163269_13821711	NC_021167.1	Ca_kabuli_chr08	13821711	TT	CC	1940427657
SNP_P1_163270_13821871	NC_021167.1	Ca_kabuli_chr08	13821871	CC	TT	1940427658
SNP_P1_163271_13821906	NC_021167.1	Ca_kabuli_chr08	13821906	AA	TT	1940427659
SNP_P1_163272_13832756	NC_021167.1	Ca_kabuli_chr08	13832756	GG	CC	1940427660
SNP_P1_163273_13833784	NC_021167.1	Ca_kabuli_chr08	13833784	GG	AA	1940427661
SNP_P1_163274_13833790	NC_021167.1	Ca_kabuli_chr08	13833790	CC	AA	1940427662
SNP_P1_163275_13833812	NC_021167.1	Ca_kabuli_chr08	13833812	GG	TT	1940427663
SNP_P1_163276_13834015	NC_021167.1	Ca_kabuli_chr08	13834015	GG	AA	1940427664
SNP_P1_163277_13834052	NC_021167.1	Ca_kabuli_chr08	13834052	AA	CC	1940427665
SNP_P1_163278_13834096	NC_021167.1	Ca_kabuli_chr08	13834096	AA	CC	1940427666
SNP_P1_163279_13834141	NC_021167.1	Ca_kabuli_chr08	13834141	GG	AA	1940427667

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163282_13848601	NC_021167.1	Ca_kabuli_chr08	13848601	AA	TT	1940427669
SNP_P1_163283_13874838	NC_021167.1	Ca_kabuli_chr08	13874838	GG	AA	1940427670
SNP_P1_163284_13887498	NC_021167.1	Ca_kabuli_chr08	13887498	GG	AA	1940427671
SNP_P1_163286_13902682	NC_021167.1	Ca_kabuli_chr08	13902682	GG	AA	1940427672
SNP_P1_163288_13915462	NC_021167.1	Ca_kabuli_chr08	13915462	GG	AA	1940427673
SNP_P1_163289_13919123	NC_021167.1	Ca_kabuli_chr08	13919123	TT	CC	1940427674
SNP_P1_163290_13919124	NC_021167.1	Ca_kabuli_chr08	13919124	TT	CC	1940427675
SNP_P1_163291_13921376	NC_021167.1	Ca_kabuli_chr08	13921376	AA	CC	1940427676
SNP_P1_163292_13921380	NC_021167.1	Ca_kabuli_chr08	13921380	AA	GG	1940427677
SNP_P1_163293_13929772	NC_021167.1	Ca_kabuli_chr08	13929772	AA	TT	1940427678
SNP_P1_163295_13939059	NC_021167.1	Ca_kabuli_chr08	13939059	AA	GG	1940427679
SNP_P1_163296_13939118	NC_021167.1	Ca_kabuli_chr08	13939118	AA	CC	1940427680
SNP_P1_163298_13941095	NC_021167.1	Ca_kabuli_chr08	13941095	CC	TT	1940427681
SNP_P1_163299_13944410	NC_021167.1	Ca_kabuli_chr08	13944410	GG	AA	1940427682
SNP_P1_163300_13947974	NC_021167.1	Ca_kabuli_chr08	13947974	CC	GG	1940427683
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SNP_P1_163311_13993680	NC_021167.1	Ca_kabuli_chr08	13993680	AA	TT	1940427693
SNP_P1_163312_13993696	NC_021167.1	Ca_kabuli_chr08	13993696	CC	TT	1940427694
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SNP_P1_163315_13993768	NC_021167.1	Ca_kabuli_chr08	13993768	CC	TT	1940427697
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SNP_P1_163318_13993985	NC_021167.1	Ca_kabuli_chr08	13993985	TT	CC	1940427699
SNP_P1_163319_13993995	NC_021167.1	Ca_kabuli_chr08	13993995	AA	TT	1940427700
SNP_P1_163320_13996264	NC_021167.1	Ca_kabuli_chr08	13996264	AA	GG	1940427701
SNP_P1_163321_14014098	NC_021167.1	Ca_kabuli_chr08	14014098	TT	CC	1940427702
SNP_P1_163322_14014116	NC_021167.1	Ca_kabuli_chr08	14014116	GG	AA	1940427703
SNP_P1_163323_14014473	NC_021167.1	Ca_kabuli_chr08	14014473	TT	CC	1940427704
SNP_P1_163324_14016290	NC_021167.1	Ca_kabuli_chr08	14016290	TT	AA	1940427705
SNP_P1_163325_14035127	NC_021167.1	Ca_kabuli_chr08	14035127	TT	AA	1940427706
SNP_P1_163326_14035159	NC_021167.1	Ca_kabuli_chr08	14035159	AA	TT	1940427707
SNP_P1_163327_14035161	NC_021167.1	Ca_kabuli_chr08	14035161	TT	AA	1940427708
SNP_P1_163328_14035184	NC_021167.1	Ca_kabuli_chr08	14035184	TT	AA	1940427709

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163332_14035524	NC_021167.1	Ca_kabuli_chr08	14035524	GG	AA	1940427712
SNP_P1_163333_14035568	NC_021167.1	Ca_kabuli_chr08	14035568	AA	GG	1940427713
SNP_P1_163334_14035662	NC_021167.1	Ca_kabuli_chr08	14035662	CC	GG	1940427714
SNP_P1_163335_14035779	NC_021167.1	Ca_kabuli_chr08	14035779	CC	TT	1940427715
SNP_P1_163336_14035827	NC_021167.1	Ca_kabuli_chr08	14035827	AA	GG	1940427716
SNP_P1_163337_14035831	NC_021167.1	Ca_kabuli_chr08	14035831	GG	AA	1940427717
SNP_P1_163338_14035971	NC_021167.1	Ca_kabuli_chr08	14035971	AA	CC	1940427718
SNP_P1_163339_14036135	NC_021167.1	Ca_kabuli_chr08	14036135	TT	CC	1940427719
SNP_P1_163341_14039328	NC_021167.1	Ca_kabuli_chr08	14039328	AA	GG	1940427720
SNP_P1_163342_14039332	NC_021167.1	Ca_kabuli_chr08	14039332	AA	TT	1940427721
SNP_P1_163345_14051305	NC_021167.1	Ca_kabuli_chr08	14051305	AA	CC	1940427722
SNP_P1_163346_14063775	NC_021167.1	Ca_kabuli_chr08	14063775	CC	TT	1940427723
SNP_P1_163347_14063813	NC_021167.1	Ca_kabuli_chr08	14063813	AA	GG	1940427724
SNP_P1_163348_14063891	NC_021167.1	Ca_kabuli_chr08	14063891	AA	CC	1940427725
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SNP_P1_163352_14064150	NC_021167.1	Ca_kabuli_chr08	14064150	GG	CC	1940427728
SNP_P1_163354_14064195	NC_021167.1	Ca_kabuli_chr08	14064195	TT	AA	1940427729
SNP_P1_163355_14064206	NC_021167.1	Ca_kabuli_chr08	14064206	TT	CC	1940427730
SNP_P1_163356_14064230	NC_021167.1	Ca_kabuli_chr08	14064230	TT	CC	1940427731
SNP_P1_163357_14064234	NC_021167.1	Ca_kabuli_chr08	14064234	AA	TT	1940427732
SNP_P1_163358_14064235	NC_021167.1	Ca_kabuli_chr08	14064235	AA	CC	1940427733
SNP_P1_163359_14064236	NC_021167.1	Ca_kabuli_chr08	14064236	CC	AA	1940427734
SNP_P1_163360_14064239	NC_021167.1	Ca_kabuli_chr08	14064239	TT	CC	1940427735
SNP_P1_163361_14064256	NC_021167.1	Ca_kabuli_chr08	14064256	GG	AA	1940427736
SNP_P1_163362_14064277	NC_021167.1	Ca_kabuli_chr08	14064277	GG	AA	1940427737
SNP_P1_163363_14064292	NC_021167.1	Ca_kabuli_chr08	14064292	AA	GG	1940427738
SNP_P1_163364_14064298	NC_021167.1	Ca_kabuli_chr08	14064298	CC	GG	1940427739
SNP_P1_163365_14064302	NC_021167.1	Ca_kabuli_chr08	14064302	TT	AA	1940427740
SNP_P1_163366_14064325	NC_021167.1	Ca_kabuli_chr08	14064325	TT	AA	1940427741
SNP_P1_163367_14064362	NC_021167.1	Ca_kabuli_chr08	14064362	CC	AA	1940427742
SNP_P1_163368_14064374	NC_021167.1	Ca_kabuli_chr08	14064374	CC	GG	1940427743
SNP_P1_163369_14066629	NC_021167.1	Ca_kabuli_chr08	14066629	CC	TT	1940427744
SNP_P1_163370_14066725	NC_021167.1	Ca_kabuli_chr08	14066725	TT	CC	1940427745
SNP_P1_163371_14068972	NC_021167.1	Ca_kabuli_chr08	14068972	CC	TT	1940427746
SNP_P1_163372_14072648	NC_021167.1	Ca_kabuli_chr08	14072648	GG	CC	1940427747
SNP_P1_163373_14072694	NC_021167.1	Ca_kabuli_chr08	14072694	CC	TT	1940427749
SNP_P1_163375_14072726	NC_021167.1	Ca_kabuli_chr08	14072726	CC	TT	1940427750
SNP_P1_163376_14072737	NC_021167.1	Ca_kabuli_chr08	14072737	CC	TT	1940427751
SNP_P1_163377_14072739	NC_021167.1	Ca_kabuli_chr08	14072739	AA	GG	1940427752

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163379_14072791	NC_021167.1	Ca_kabuli_chr08	14072791	CC	AA	1940427754
SNP_P1_163380_14072800	NC_021167.1	Ca_kabuli_chr08	14072800	AA	CC	1940427755
SNP_P1_163381_14072802	NC_021167.1	Ca_kabuli_chr08	14072802	AA	GG	1940427756
SNP_P1_163382_14072810	NC_021167.1	Ca_kabuli_chr08	14072810	CC	TT	1940427757
SNP_P1_163383_14072875	NC_021167.1	Ca_kabuli_chr08	14072875	CC	TT	1940427758
SNP_P1_163384_14072936	NC_021167.1	Ca_kabuli_chr08	14072936	CC	TT	1940427759
SNP_P1_163385_14072937	NC_021167.1	Ca_kabuli_chr08	14072937	GG	AA	1940427760
SNP_P1_163386_14072949	NC_021167.1	Ca_kabuli_chr08	14072949	CC	GG	1940427761
SNP_P1_163387_14073036	NC_021167.1	Ca_kabuli_chr08	14073036	CC	GG	1940427762
SNP_P1_163388_14073455	NC_021167.1	Ca_kabuli_chr08	14073455	TT	CC	1940427763
SNP_P1_163389_14073462	NC_021167.1	Ca_kabuli_chr08	14073462	CC	TT	1940427764
SNP_P1_163391_14073621	NC_021167.1	Ca_kabuli_chr08	14073621	TT	CC	1940427765
SNP_P1_163392_14073756	NC_021167.1	Ca_kabuli_chr08	14073756	AA	CC	1940427766
SNP_P1_163393_14073782	NC_021167.1	Ca_kabuli_chr08	14073782	CC	TT	1940427767
SNP_P1_163394_14074253	NC_021167.1	Ca_kabuli_chr08	14074253	CC	TT	1940427768
SNP_P1_163396_14074313	NC_021167.1	Ca_kabuli_chr08	14074313	CC	GG	1940427769
SNP_P1_163397_14074533	NC_021167.1	Ca_kabuli_chr08	14074533	GG	TT	1940427770
SNP_P1_163398_14074566	NC_021167.1	Ca_kabuli_chr08	14074566	CC	GG	1940427771
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SNP_P1_163400_14074643	NC_021167.1	Ca_kabuli_chr08	14074643	GG	CC	1940427773
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SNP_P1_163415_14093906	NC_021167.1	Ca_kabuli_chr08	14093906	TT	AA	1940427783
SNP_P1_163416_14097134	NC_021167.1	Ca_kabuli_chr08	14097134	CC	TT	1940427784
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SNP_P1_163419_14107206	NC_021167.1	Ca_kabuli_chr08	14107206	CC	TT	1940427787
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SNP_P1_163421_14111574	NC_021167.1	Ca_kabuli_chr08	14111574	CC	TT	1940427789
SNP_P1_163422_14112150	NC_021167.1	Ca_kabuli_chr08	14112150	AA	CC	1940427790
SNP_P1_163423_14112163	NC_021167.1	Ca_kabuli_chr08	14112163	CC	TT	1940427791
SNP_P1_163425_14113609	NC_021167.1	Ca_kabuli_chr08	14113609	CC	TT	1940427792
SNP_P1_163427_14113731	NC_021167.1	Ca_kabuli_chr08	14113731	GG	TT	1940427793
SNP_P1_163428_14114906	NC_021167.1	Ca_kabuli_chr08	14114906	CC	TT	1940427794

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163431_14116689	NC_021167.1	Ca_kabuli_chr08	14116689	AA	GG	1940427797
SNP_P1_163432_14116971	NC_021167.1	Ca_kabuli_chr08	14116971	AA	GG	1940427798
SNP_P1_163433_14117089	NC_021167.1	Ca_kabuli_chr08	14117089	CC	TT	1940427799
SNP_P1_163434_14117437	NC_021167.1	Ca_kabuli_chr08	14117437	GG	AA	1940427800
SNP_P1_163435_14118497	NC_021167.1	Ca_kabuli_chr08	14118497	CC	TT	1940427801
SNP_P1_163436_14118556	NC_021167.1	Ca_kabuli_chr08	14118556	TT	CC	1940427802
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SNP_P1_163439_14120217	NC_021167.1	Ca_kabuli_chr08	14120217	GG	AA	1940427804
SNP_P1_163441_14120271	NC_021167.1	Ca_kabuli_chr08	14120271	AA	CC	1940427805
SNP_P1_163442_14120280	NC_021167.1	Ca_kabuli_chr08	14120280	TT	AA	1940427806
SNP_P1_163443_14120293	NC_021167.1	Ca_kabuli_chr08	14120293	AA	TT	1940427807
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SNP_P1_163452_14121173	NC_021167.1	Ca_kabuli_chr08	14121173	GG	TT	1940427816
SNP_P1_163453_14121179	NC_021167.1	Ca_kabuli_chr08	14121179	CC	GG	1940427817
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SNP_P1_163460_14124236	NC_021167.1	Ca_kabuli_chr08	14124236	GG	TT	1940427823
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SNP_P1_163468_14125249	NC_021167.1	Ca_kabuli_chr08	14125249	TT	AA	1940427831
SNP_P1_163469_14126353	NC_021167.1	Ca_kabuli_chr08	14126353	CC	AA	1940427832
SNP_P1_163470_14126434	NC_021167.1	Ca_kabuli_chr08	14126434	TT	GG	1940427833
SNP_P1_163471_14126660	NC_021167.1	Ca_kabuli_chr08	14126660	CC	TT	1940427834
SNP_P1_163473_14127105	NC_021167.1	Ca_kabuli_chr08	14127105	TT	CC	1940427835
SNP_P1_163474_14127975	NC_021167.1	Ca_kabuli_chr08	14127975	GG	AA	1940427836

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163478_14129628	NC_021167.1	Ca_kabuli_chr08	14129628	GG	AA	1940427839
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SNP_P1_163480_14130108	NC_021167.1	Ca_kabuli_chr08	14130108	TT	GG	1940427841
SNP_P1_163481_14130167	NC_021167.1	Ca_kabuli_chr08	14130167	TT	AA	1940427842
SNP_P1_163483_14130401	NC_021167.1	Ca_kabuli_chr08	14130401	TT	CC	1940427843
SNP_P1_163484_14130458	NC_021167.1	Ca_kabuli_chr08	14130458	GG	AA	1940427844
SNP_P1_163485_14130671	NC_021167.1	Ca_kabuli_chr08	14130671	GG	AA	1940427845
SNP_P1_163486_14130708	NC_021167.1	Ca_kabuli_chr08	14130708	GG	AA	1940427846
SNP_P1_163487_14130709	NC_021167.1	Ca_kabuli_chr08	14130709	GG	TT	1940427847
SNP_P1_163488_14131284	NC_021167.1	Ca_kabuli_chr08	14131284	CC	TT	1940427848
SNP_P1_163489_14131578	NC_021167.1	Ca_kabuli_chr08	14131578	CC	TT	1940427849
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SNP_P1_163506_14143080	NC_021167.1	Ca_kabuli_chr08	14143080	GG	AA	1940427866
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SNP_P1_163511_14150025	NC_021167.1	Ca_kabuli_chr08	14150025	AA	GG	1940427869
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SNP_P1_163516_14155293	NC_021167.1	Ca_kabuli_chr08	14155293	AA	GG	1940427874
SNP_P1_163517_14157058	NC_021167.1	Ca_kabuli_chr08	14157058	AA	GG	1940427875
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SNP_P1_163521_14159279	NC_021167.1	Ca_kabuli_chr08	14159279	TT	CC	1940427878
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163530_14163078	NC_021167.1	Ca_kabuli_chr08	14163078	CC	TT	1940427882
SNP_P1_163531_14163105	NC_021167.1	Ca_kabuli_chr08	14163105	AA	GG	1940427883
SNP_P1_163532_14163127	NC_021167.1	Ca_kabuli_chr08	14163127	TT	AA	1940427884
SNP_P1_163533_14163269	NC_021167.1	Ca_kabuli_chr08	14163269	TT	AA	1940427885
SNP_P1_163534_14163831	NC_021167.1	Ca_kabuli_chr08	14163831	GG	AA	1940427886
SNP_P1_163535_14164428	NC_021167.1	Ca_kabuli_chr08	14164428	AA	TT	1940427887
SNP_P1_163536_14164778	NC_021167.1	Ca_kabuli_chr08	14164778	CC	TT	1940427888
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SNP_P1_163539_14164788	NC_021167.1	Ca_kabuli_chr08	14164788	AA	TT	1940427891
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SNP_P1_163561_14170042	NC_021167.1	Ca_kabuli_chr08	14170042	AA	GG	1940427908
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SNP_P1_163569_14185239	NC_021167.1	Ca_kabuli_chr08	14185239	GG	TT	1940427916
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SNP_P1_163573_14187407	NC_021167.1	Ca_kabuli_chr08	14187407	TT	AA	1940427918
SNP_P1_163574_14187847	NC_021167.1	Ca_kabuli_chr08	14187847	AA	GG	1940427919
SNP_P1_163575_14189812	NC_021167.1	Ca_kabuli_chr08	14189812	AA	CC	1940427920
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163580_14191540	NC_021167.1	Ca_kabuli_chr08	14191540	TT	CC	1940427924
SNP_P1_163581_14191552	NC_021167.1	Ca_kabuli_chr08	14191552	CC	GG	1940427925
SNP_P1_163582_14194626	NC_021167.1	Ca_kabuli_chr08	14194626	TT	CC	1940427926
SNP_P1_163583_14194627	NC_021167.1	Ca_kabuli_chr08	14194627	AA	CC	1940427927
SNP_P1_163584_14194641	NC_021167.1	Ca_kabuli_chr08	14194641	GG	CC	1940427928
SNP_P1_163585_14194895	NC_021167.1	Ca_kabuli_chr08	14194895	AA	TT	1940427929
SNP_P1_163586_14194919	NC_021167.1	Ca_kabuli_chr08	14194919	GG	AA	1940427930
SNP_P1_163587_14195129	NC_021167.1	Ca_kabuli_chr08	14195129	TT	CC	1940427931
SNP_P1_163588_14195157	NC_021167.1	Ca_kabuli_chr08	14195157	TT	CC	1940427932
SNP_P1_163589_14195436	NC_021167.1	Ca_kabuli_chr08	14195436	GG	AA	1940427933
SNP_P1_163590_14203379	NC_021167.1	Ca_kabuli_chr08	14203379	AA	TT	1940427934
SNP_P1_163591_14203383	NC_021167.1	Ca_kabuli_chr08	14203383	TT	CC	1940427935
SNP_P1_163592_14209366	NC_021167.1	Ca_kabuli_chr08	14209366	TT	CC	1940427936
SNP_P1_163593_14209372	NC_021167.1	Ca_kabuli_chr08	14209372	CC	TT	1940427937
SNP_P1_163594_14209390	NC_021167.1	Ca_kabuli_chr08	14209390	AA	GG	1940427938
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SNP_P1_163597_14210230	NC_021167.1	Ca_kabuli_chr08	14210230	AA	GG	1940427941
SNP_P1_163598_14210448	NC_021167.1	Ca_kabuli_chr08	14210448	TT	CC	1940427942
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SNP_P1_163601_14210692	NC_021167.1	Ca_kabuli_chr08	14210692	AA	CC	1940427944
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SNP_P1_163603_14210725	NC_021167.1	Ca_kabuli_chr08	14210725	AA	GG	1940427946
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SNP_P1_163607_14213124	NC_021167.1	Ca_kabuli_chr08	14213124	CC	AA	1940427949
SNP_P1_163608_14213130	NC_021167.1	Ca_kabuli_chr08	14213130	AA	CC	1940427950
SNP_P1_163609_14213879	NC_021167.1	Ca_kabuli_chr08	14213879	TT	AA	1940427951
SNP_P1_163610_14218036	NC_021167.1	Ca_kabuli_chr08	14218036	AA	CC	1940427952
SNP_P1_163611_14218037	NC_021167.1	Ca_kabuli_chr08	14218037	AA	TT	1940427953
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SNP_P1_163613_14218039	NC_021167.1	Ca_kabuli_chr08	14218039	AA	TT	1940427955
SNP_P1_163614_14218092	NC_021167.1	Ca_kabuli_chr08	14218092	TT	CC	1940427956
SNP_P1_163615_14218170	NC_021167.1	Ca_kabuli_chr08	14218170	CC	GG	1940427957
SNP_P1_163616_14218179	NC_021167.1	Ca_kabuli_chr08	14218179	AA	GG	1940427958
SNP_P1_163617_14218191	NC_021167.1	Ca_kabuli_chr08	14218191	TT	CC	1940427959
SNP_P1_163619_14218264	NC_021167.1	Ca_kabuli_chr08	14218264	GG	AA	1940427960
SNP_P1_163620_14218317	NC_021167.1	Ca_kabuli_chr08	14218317	AA	GG	1940427961
SNP_P1_163621_14218329	NC_021167.1	Ca_kabuli_chr08	14218329	GG	CC	1940427962
SNP_P1_163622_14218377	NC_021167.1	Ca_kabuli_chr08	14218377	GG	TT	1940427963

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163625_14218625	NC_021167.1	Ca_kabuli_chr08	14218625	GG	TT	1940427966
SNP_P1_163626_14218704	NC_021167.1	Ca_kabuli_chr08	14218704	TT	AA	1940427967
SNP_P1_163627_14218720	NC_021167.1	Ca_kabuli_chr08	14218720	GG	AA	1940427968
SNP_P1_163628_14218726	NC_021167.1	Ca_kabuli_chr08	14218726	AA	GG	1940427969
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SNP_P1_163631_14218804	NC_021167.1	Ca_kabuli_chr08	14218804	AA	GG	1940427972
SNP_P1_163632_14218807	NC_021167.1	Ca_kabuli_chr08	14218807	CC	TT	1940427973
SNP_P1_163633_14220438	NC_021167.1	Ca_kabuli_chr08	14220438	CC	GG	1940427974
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SNP_P1_163635_14222295	NC_021167.1	Ca_kabuli_chr08	14222295	AA	TT	1940427976
SNP_P1_163638_14223246	NC_021167.1	Ca_kabuli_chr08	14223246	AA	GG	1940427977
SNP_P1_163639_14223453	NC_021167.1	Ca_kabuli_chr08	14223453	TT	GG	1940427978
SNP_P1_163640_14223740	NC_021167.1	Ca_kabuli_chr08	14223740	AA	TT	1940427979
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SNP_P1_163649_14231673	NC_021167.1	Ca_kabuli_chr08	14231673	GG	AA	1940427987
SNP_P1_163650_14238324	NC_021167.1	Ca_kabuli_chr08	14238324	AA	GG	1940427988
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SNP_P1_163656_14239177	NC_021167.1	Ca_kabuli_chr08	14239177	GG	AA	1940427993
SNP_P1_163657_14239374	NC_021167.1	Ca_kabuli_chr08	14239374	TT	CC	1940427994
SNP_P1_163658_14239406	NC_021167.1	Ca_kabuli_chr08	14239406	TT	CC	1940427995
SNP_P1_163659_14239430	NC_021167.1	Ca_kabuli_chr08	14239430	TT	AA	1940427996
SNP_P1_163661_14243954	NC_021167.1	Ca_kabuli_chr08	14243954	AA	TT	1940427997
SNP_P1_163662_14244022	NC_021167.1	Ca_kabuli_chr08	14244022	TT	GG	1940427998
SNP_P1_163663_14244269	NC_021167.1	Ca_kabuli_chr08	14244269	TT	CC	1940427999
SNP_P1_163664_14244308	NC_021167.1	Ca_kabuli_chr08	14244308	TT	GG	1940428000
SNP_P1_163665_14244652	NC_021167.1	Ca_kabuli_chr08	14244652	CC	TT	1940428001
SNP_P1_163667_14245156	NC_021167.1	Ca_kabuli_chr08	14245156	GG	TT	1940428002
SNP_P1_163668_14245578	NC_021167.1	Ca_kabuli_chr08	14245578	CC	AA	1940428003
SNP_P1_163669_14245622	NC_021167.1	Ca_kabuli_chr08	14245622	TT	CC	1940428004
SNP_P1_163670_14246810	NC_021167.1	Ca_kabuli_chr08	14246810	TT	CC	1940428005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163672_14246858	NC_021167.1	Ca_kabuli_chr08	14246858	GG	CC	1940428007
SNP_P1_163673_14247101	NC_021167.1	Ca_kabuli_chr08	14247101	TT	CC	1940428008
SNP_P1_163674_14247133	NC_021167.1	Ca_kabuli_chr08	14247133	TT	CC	1940428009
SNP_P1_163675_14247171	NC_021167.1	Ca_kabuli_chr08	14247171	AA	GG	1940428010
SNP_P1_163676_14247674	NC_021167.1	Ca_kabuli_chr08	14247674	AA	TT	1940428011
SNP_P1_163677_14248260	NC_021167.1	Ca_kabuli_chr08	14248260	CC	AA	1940428012
SNP_P1_163678_14248414	NC_021167.1	Ca_kabuli_chr08	14248414	AA	GG	1940428013
SNP_P1_163679_14248570	NC_021167.1	Ca_kabuli_chr08	14248570	TT	AA	1940428014
SNP_P1_163680_14248571	NC_021167.1	Ca_kabuli_chr08	14248571	GG	AA	1940428015
SNP_P1_163681_14248979	NC_021167.1	Ca_kabuli_chr08	14248979	TT	CC	1940428016
SNP_P1_163682_14249974	NC_021167.1	Ca_kabuli_chr08	14249974	AA	GG	1940428017
SNP_P1_163683_14250016	NC_021167.1	Ca_kabuli_chr08	14250016	GG	AA	1940428018
SNP_P1_163684_14250018	NC_021167.1	Ca_kabuli_chr08	14250018	AA	GG	1940428019
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SNP_P1_163686_14250058	NC_021167.1	Ca_kabuli_chr08	14250058	CC	TT	1940428022
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SNP_P1_163689_14250307	NC_021167.1	Ca_kabuli_chr08	14250307	AA	GG	1940428025
SNP_P1_163690_14250628	NC_021167.1	Ca_kabuli_chr08	14250628	GG	AA	1940428026
SNP_P1_163692_14250704	NC_021167.1	Ca_kabuli_chr08	14250704	GG	TT	1940428027
SNP_P1_163693_14251191	NC_021167.1	Ca_kabuli_chr08	14251191	AA	GG	1940428028
SNP_P1_163694_14251192	NC_021167.1	Ca_kabuli_chr08	14251192	GG	AA	1940428029
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SNP_P1_163696_14251555	NC_021167.1	Ca_kabuli_chr08	14251555	TT	AA	1940428031
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SNP_P1_163698_14251797	NC_021167.1	Ca_kabuli_chr08	14251797	GG	CC	1940428033
SNP_P1_163700_14252091	NC_021167.1	Ca_kabuli_chr08	14252091	CC	GG	1940428034
SNP_P1_163701_14252144	NC_021167.1	Ca_kabuli_chr08	14252144	GG	TT	1940428035
SNP_P1_163702_14252163	NC_021167.1	Ca_kabuli_chr08	14252163	AA	GG	1940428036
SNP_P1_163703_14252408	NC_021167.1	Ca_kabuli_chr08	14252408	TT	GG	1940428037
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SNP_P1_163705_14252419	NC_021167.1	Ca_kabuli_chr08	14252419	CC	TT	1940428039
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SNP_P1_163710_14252951	NC_021167.1	Ca_kabuli_chr08	14252951	GG	AA	1940428044
SNP_P1_163711_14252960	NC_021167.1	Ca_kabuli_chr08	14252960	AA	GG	1940428045
SNP_P1_163712_14253002	NC_021167.1	Ca_kabuli_chr08	14253002	GG	AA	1940428046
SNP_P1_163713_14253160	NC_021167.1	Ca_kabuli_chr08	14253160	GG	AA	1940428047
SNP_P1_163714_14253348	NC_021167.1	Ca_kabuli_chr08	14253348	CC	TT	1940428048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163716_14256698	NC_021167.1	Ca_kabuli_chr08	14256698	CC	AA	1940428050
SNP_P1_163717_14256705	NC_021167.1	Ca_kabuli_chr08	14256705	AA	GG	1940428051
SNP_P1_163718_14257313	NC_021167.1	Ca_kabuli_chr08	14257313	GG	AA	1940428052
SNP_P1_163719_14257314	NC_021167.1	Ca_kabuli_chr08	14257314	GG	AA	1940428053
SNP_P1_163720_14257325	NC_021167.1	Ca_kabuli_chr08	14257325	CC	TT	1940428054
SNP_P1_163721_14257349	NC_021167.1	Ca_kabuli_chr08	14257349	AA	GG	1940428055
SNP_P1_163722_14257360	NC_021167.1	Ca_kabuli_chr08	14257360	CC	TT	1940428056
SNP_P1_163723_14257361	NC_021167.1	Ca_kabuli_chr08	14257361	TT	CC	1940428057
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SNP_P1_163725_14257370	NC_021167.1	Ca_kabuli_chr08	14257370	TT	CC	1940428059
SNP_P1_163726_14257375	NC_021167.1	Ca_kabuli_chr08	14257375	AA	CC	1940428060
SNP_P1_163727_14257402	NC_021167.1	Ca_kabuli_chr08	14257402	AA	GG	1940428061
SNP_P1_163728_14257517	NC_021167.1	Ca_kabuli_chr08	14257517	CC	TT	1940428062
SNP_P1_163731_14258085	NC_021167.1	Ca_kabuli_chr08	14258085	AA	GG	1940428063
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SNP_P1_163764_14269911	NC_021167.1	Ca_kabuli_chr08	14269911	GG	AA	1940428089
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163768_14270850	NC_021167.1	Ca_kabuli_chr08	14270850	GG	TT	1940428093
SNP_P1_163769_14270876	NC_021167.1	Ca_kabuli_chr08	14270876	TT	CC	1940428094
SNP_P1_163770_14270878	NC_021167.1	Ca_kabuli_chr08	14270878	GG	TT	1940428095
SNP_P1_163771_14271035	NC_021167.1	Ca_kabuli_chr08	14271035	AA	TT	1940428096
SNP_P1_163772_14271121	NC_021167.1	Ca_kabuli_chr08	14271121	TT	CC	1940428097
SNP_P1_163773_14271146	NC_021167.1	Ca_kabuli_chr08	14271146	GG	AA	1940428098
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SNP_P1_163775_14271204	NC_021167.1	Ca_kabuli_chr08	14271204	AA	GG	1940428100
SNP_P1_163776_14271221	NC_021167.1	Ca_kabuli_chr08	14271221	CC	TT	1940428101
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SNP_P1_163779_14282264	NC_021167.1	Ca_kabuli_chr08	14282264	GG	TT	1940428104
SNP_P1_163780_14282292	NC_021167.1	Ca_kabuli_chr08	14282292	AA	GG	1940428105
SNP_P1_163781_14282319	NC_021167.1	Ca_kabuli_chr08	14282319	CC	TT	1940428106
SNP_P1_163782_14282320	NC_021167.1	Ca_kabuli_chr08	14282320	TT	CC	1940428107
SNP_P1_163783_14285112	NC_021167.1	Ca_kabuli_chr08	14285112	AA	GG	1940428108
SNP_P1_163784_14286157	NC_021167.1	Ca_kabuli_chr08	14286157	TT	AA	1940428109
SNP_P1_163785_14286159	NC_021167.1	Ca_kabuli_chr08	14286159	AA	GG	1940428110
SNP_P1_163786_14286650	NC_021167.1	Ca_kabuli_chr08	14286650	AA	GG	1940428111
SNP_P1_163789_14287913	NC_021167.1	Ca_kabuli_chr08	14287913	GG	TT	1940428112
SNP_P1_163790_14288571	NC_021167.1	Ca_kabuli_chr08	14288571	AA	GG	1940428113
SNP_P1_163791_14288593	NC_021167.1	Ca_kabuli_chr08	14288593	AA	TT	1940428114
SNP_P1_163792_14288597	NC_021167.1	Ca_kabuli_chr08	14288597	AA	GG	1940428115
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SNP_P1_163794_14288623	NC_021167.1	Ca_kabuli_chr08	14288623	GG	AA	1940428117
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SNP_P1_163800_14289355	NC_021167.1	Ca_kabuli_chr08	14289355	AA	GG	1940428121
SNP_P1_163801_14289358	NC_021167.1	Ca_kabuli_chr08	14289358	CC	GG	1940428122
SNP_P1_163802_14289383	NC_021167.1	Ca_kabuli_chr08	14289383	GG	AA	1940428123
SNP_P1_163803_14289520	NC_021167.1	Ca_kabuli_chr08	14289520	GG	AA	1940428124
SNP_P1_163804_14289541	NC_021167.1	Ca_kabuli_chr08	14289541	TT	CC	1940428125
SNP_P1_163805_14289545	NC_021167.1	Ca_kabuli_chr08	14289545	GG	AA	1940428126
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SNP_P1_163809_14289840	NC_021167.1	Ca_kabuli_chr08	14289840	TT	CC	1940428129
SNP_P1_163810_14290588	NC_021167.1	Ca_kabuli_chr08	14290588	AA	GG	1940428130
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SNP_P1_163815_14292056	NC_021167.1	Ca_kabuli_chr08	14292056	GG	AA	1940428132

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163818_14292402	NC_021167.1	Ca_kabuli_chr08	14292402	AA	GG	1940428135
SNP_P1_163820_14295577	NC_021167.1	Ca_kabuli_chr08	14295577	GG	TT	1940428136
SNP_P1_163821_14301148	NC_021167.1	Ca_kabuli_chr08	14301148	CC	TT	1940428137
SNP_P1_163822_14301167	NC_021167.1	Ca_kabuli_chr08	14301167	AA	GG	1940428138
SNP_P1_163823_14301249	NC_021167.1	Ca_kabuli_chr08	14301249	GG	AA	1940428139
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SNP_P1_163825_14301311	NC_021167.1	Ca_kabuli_chr08	14301311	CC	TT	1940428141
SNP_P1_163826_14301538	NC_021167.1	Ca_kabuli_chr08	14301538	CC	TT	1940428142
SNP_P1_163827_14301542	NC_021167.1	Ca_kabuli_chr08	14301542	AA	GG	1940428143
SNP_P1_163828_14301549	NC_021167.1	Ca_kabuli_chr08	14301549	CC	TT	1940428144
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SNP_P1_163831_14302319	NC_021167.1	Ca_kabuli_chr08	14302319	GG	AA	1940428146
SNP_P1_163832_14302339	NC_021167.1	Ca_kabuli_chr08	14302339	AA	GG	1940428147
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SNP_P1_163847_14302947	NC_021167.1	Ca_kabuli_chr08	14302947	TT	AA	1940428161
SNP_P1_163848_14303305	NC_021167.1	Ca_kabuli_chr08	14303305	TT	GG	1940428162
SNP_P1_163849_14303478	NC_021167.1	Ca_kabuli_chr08	14303478	AA	GG	1940428163
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SNP_P1_163853_14305562	NC_021167.1	Ca_kabuli_chr08	14305562	AA	GG	1940428166
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SNP_P1_163861_14307242	NC_021167.1	Ca_kabuli_chr08	14307242	AA	TT	1940428171
SNP_P1_163862_14307283	NC_021167.1	Ca_kabuli_chr08	14307283	GG	AA	1940428173
SNP_P1_163865_14307455	NC_021167.1	Ca_kabuli_chr08	14307455	TT	CC	1940428174
SNP_P1_163866_14307548	NC_021167.1	Ca_kabuli_chr08	14307548	AA	GG	1940428175

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163869_14307847	NC_021167.1	Ca_kabuli_chr08	14307847	CC	TT	1940428177
SNP_P1_163870_14307863	NC_021167.1	Ca_kabuli_chr08	14307863	GG	AA	1940428178
SNP_P1_163872_14307937	NC_021167.1	Ca_kabuli_chr08	14307937	AA	GG	1940428179
SNP_P1_163874_14308187	NC_021167.1	Ca_kabuli_chr08	14308187	TT	AA	1940428180
SNP_P1_163875_14308580	NC_021167.1	Ca_kabuli_chr08	14308580	AA	GG	1940428181
SNP_P1_163876_14308621	NC_021167.1	Ca_kabuli_chr08	14308621	CC	AA	1940428182
SNP_P1_163877_14308626	NC_021167.1	Ca_kabuli_chr08	14308626	GG	CC	1940428183
SNP_P1_163878_14308627	NC_021167.1	Ca_kabuli_chr08	14308627	TT	CC	1940428184
SNP_P1_163879_14308636	NC_021167.1	Ca_kabuli_chr08	14308636	TT	GG	1940428185
SNP_P1_163880_14308638	NC_021167.1	Ca_kabuli_chr08	14308638	AA	TT	1940428186
SNP_P1_163881_14308640	NC_021167.1	Ca_kabuli_chr08	14308640	CC	TT	1940428187
SNP_P1_163882_14308834	NC_021167.1	Ca_kabuli_chr08	14308834	AA	GG	1940428188
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SNP_P1_163885_14310328	NC_021167.1	Ca_kabuli_chr08	14310328	CC	AA	1940428190
SNP_P1_163887_14312082	NC_021167.1	Ca_kabuli_chr08	14312082	GG	CC	1940428191
SNP_P1_163889_14312320	NC_021167.1	Ca_kabuli_chr08	14312320	CC	GG	1940428192
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SNP_P1_163892_14312643	NC_021167.1	Ca_kabuli_chr08	14312643	GG	AA	1940428194
SNP_P1_163898_14314240	NC_021167.1	Ca_kabuli_chr08	14314240	GG	AA	1940428195
SNP_P1_163899_14314579	NC_021167.1	Ca_kabuli_chr08	14314579	TT	AA	1940428196
SNP_P1_163900_14314581	NC_021167.1	Ca_kabuli_chr08	14314581	TT	AA	1940428197
SNP_P1_163901_14315073	NC_021167.1	Ca_kabuli_chr08	14315073	AA	CC	1940428198
SNP_P1_163902_14315239	NC_021167.1	Ca_kabuli_chr08	14315239	TT	CC	1940428199
SNP_P1_163903_14315243	NC_021167.1	Ca_kabuli_chr08	14315243	AA	TT	1940428200
SNP_P1_163904_14315421	NC_021167.1	Ca_kabuli_chr08	14315421	AA	TT	1940428201
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SNP_P1_163906_14318367	NC_021167.1	Ca_kabuli_chr08	14318367	TT	CC	1940428203
SNP_P1_163908_14318588	NC_021167.1	Ca_kabuli_chr08	14318588	CC	TT	1940428204
SNP_P1_163909_14318590	NC_021167.1	Ca_kabuli_chr08	14318590	CC	TT	1940428205
SNP_P1_163911_14328917	NC_021167.1	Ca_kabuli_chr08	14328917	AA	GG	1940428206
SNP_P1_163912_14329092	NC_021167.1	Ca_kabuli_chr08	14329092	GG	CC	1940428207
SNP_P1_163915_14329294	NC_021167.1	Ca_kabuli_chr08	14329294	TT	CC	1940428208
SNP_P1_163917_14329495	NC_021167.1	Ca_kabuli_chr08	14329495	GG	TT	1940428209
SNP_P1_163918_14329814	NC_021167.1	Ca_kabuli_chr08	14329814	TT	AA	1940428210
SNP_P1_163920_14330999	NC_021167.1	Ca_kabuli_chr08	14330999	AA	GG	1940428211
SNP_P1_163921_14331021	NC_021167.1	Ca_kabuli_chr08	14331021	TT	AA	1940428212
SNP_P1_163922_14331064	NC_021167.1	Ca_kabuli_chr08	14331064	TT	CC	1940428213
SNP_P1_163924_14331128	NC_021167.1	Ca_kabuli_chr08	14331128	AA	GG	1940428214
SNP_P1_163925_14331211	NC_021167.1	Ca_kabuli_chr08	14331211	GG	AA	1940428215
SNP_P1_163926_14331212	NC_021167.1	Ca_kabuli_chr08	14331212	GG	AA	1940428216
SNP_P1_163927_14331345	NC_021167.1	Ca_kabuli_chr08	14331345	AA	TT	1940428217

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163930_14331592	NC_021167.1	Ca_kabuli_chr08	14331592	CC	TT	1940428220
SNP_P1_163931_14332499	NC_021167.1	Ca_kabuli_chr08	14332499	CC	TT	1940428221
SNP_P1_163932_14332541	NC_021167.1	Ca_kabuli_chr08	14332541	GG	AA	1940428222
SNP_P1_163933_14332552	NC_021167.1	Ca_kabuli_chr08	14332552	CC	TT	1940428223
SNP_P1_163934_14332555	NC_021167.1	Ca_kabuli_chr08	14332555	AA	GG	1940428224
SNP_P1_163935_14332765	NC_021167.1	Ca_kabuli_chr08	14332765	AA	TT	1940428225
SNP_P1_163936_14332771	NC_021167.1	Ca_kabuli_chr08	14332771	AA	GG	1940428226
SNP_P1_163937_14332785	NC_021167.1	Ca_kabuli_chr08	14332785	GG	AA	1940428227
SNP_P1_163938_14332840	NC_021167.1	Ca_kabuli_chr08	14332840	CC	AA	1940428228
SNP_P1_163939_14333042	NC_021167.1	Ca_kabuli_chr08	14333042	AA	CC	1940428229
SNP_P1_163940_14333215	NC_021167.1	Ca_kabuli_chr08	14333215	AA	GG	1940428230
SNP_P1_163941_14333478	NC_021167.1	Ca_kabuli_chr08	14333478	TT	AA	1940428231
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SNP_P1_163943_14333491	NC_021167.1	Ca_kabuli_chr08	14333491	GG	CC	1940428233
SNP_P1_163945_14333593	NC_021167.1	Ca_kabuli_chr08	14333593	CC	AA	1940428234
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SNP_P1_163947_14333603	NC_021167.1	Ca_kabuli_chr08	14333603	TT	CC	1940428236
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SNP_P1_163975_14347536	NC_021167.1	Ca_kabuli_chr08	14347536	AA	GG	1940428256
SNP_P1_163976_14349160	NC_021167.1	Ca_kabuli_chr08	14349160	AA	TT	1940428257
SNP_P1_163977_14349163	NC_021167.1	Ca_kabuli_chr08	14349163	AA	GG	1940428258
SNP_P1_163978_14351197	NC_021167.1	Ca_kabuli_chr08	14351197	CC	TT	1940428259

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_163981_14354083	NC_021167.1	Ca_kabuli_chr08	14354083	AA	CC	1940428262
SNP_P1_163982_14354683	NC_021167.1	Ca_kabuli_chr08	14354683	CC	TT	1940428263
SNP_P1_163983_14354934	NC_021167.1	Ca_kabuli_chr08	14354934	TT	CC	1940428264
SNP_P1_163984_14355032	NC_021167.1	Ca_kabuli_chr08	14355032	AA	TT	1940428265
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SNP_P1_163992_14356873	NC_021167.1	Ca_kabuli_chr08	14356873	GG	AA	1940428271
SNP_P1_163993_14356884	NC_021167.1	Ca_kabuli_chr08	14356884	GG	AA	1940428272
SNP_P1_163995_14357285	NC_021167.1	Ca_kabuli_chr08	14357285	GG	AA	1940428273
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SNP_P1_163997_14357661	NC_021167.1	Ca_kabuli_chr08	14357661	AA	GG	1940428275
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SNP_P1_164005_14363074	NC_021167.1	Ca_kabuli_chr08	14363074	TT	GG	1940428280
SNP_P1_164007_14363312	NC_021167.1	Ca_kabuli_chr08	14363312	CC	AA	1940428281
SNP_P1_164008_14363325	NC_021167.1	Ca_kabuli_chr08	14363325	TT	CC	1940428282
SNP_P1_164010_14364125	NC_021167.1	Ca_kabuli_chr08	14364125	TT	CC	1940428283
SNP_P1_164011_14364603	NC_021167.1	Ca_kabuli_chr08	14364603	CC	GG	1940428284
SNP_P1_164012_14364684	NC_021167.1	Ca_kabuli_chr08	14364684	GG	CC	1940428285
SNP_P1_164013_14364726	NC_021167.1	Ca_kabuli_chr08	14364726	CC	TT	1940428286
SNP_P1_164014_14364747	NC_021167.1	Ca_kabuli_chr08	14364747	GG	CC	1940428287
SNP_P1_164016_14366150	NC_021167.1	Ca_kabuli_chr08	14366150	GG	AA	1940428288
SNP_P1_164017_14367032	NC_021167.1	Ca_kabuli_chr08	14367032	TT	CC	1940428289
SNP_P1_164018_14367047	NC_021167.1	Ca_kabuli_chr08	14367047	TT	CC	1940428290
SNP_P1_164019_14368586	NC_021167.1	Ca_kabuli_chr08	14368586	AA	CC	1940428291
SNP_P1_164020_14368650	NC_021167.1	Ca_kabuli_chr08	14368650	AA	CC	1940428292
SNP_P1_164021_14369473	NC_021167.1	Ca_kabuli_chr08	14369473	GG	AA	1940428293
SNP_P1_164022_14369474	NC_021167.1	Ca_kabuli_chr08	14369474	TT	CC	1940428294
SNP_P1_164023_14369491	NC_021167.1	Ca_kabuli_chr08	14369491	AA	GG	1940428295
SNP_P1_164024_14369501	NC_021167.1	Ca_kabuli_chr08	14369501	TT	GG	1940428296
SNP_P1_164025_14369510	NC_021167.1	Ca_kabuli_chr08	14369510	TT	CC	1940428297
SNP_P1_164026_14369512	NC_021167.1	Ca_kabuli_chr08	14369512	AA	GG	1940428298
SNP_P1_164027_14369563	NC_021167.1	Ca_kabuli_chr08	14369563	TT	CC	1940428299
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SNP_P1_164030_14370176	NC_021167.1	Ca_kabuli_chr08	14370176	CC	TT	1940428301

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164032_14370290	NC_021167.1	Ca_kabuli_chr08	14370290	AA	TT	1940428303
SNP_P1_164034_14370410	NC_021167.1	Ca_kabuli_chr08	14370410	TT	AA	1940428304
SNP_P1_164035_14370412	NC_021167.1	Ca_kabuli_chr08	14370412	GG	TT	1940428305
SNP_P1_164037_14370587	NC_021167.1	Ca_kabuli_chr08	14370587	AA	GG	1940428306
SNP_P1_164038_14370634	NC_021167.1	Ca_kabuli_chr08	14370634	AA	GG	1940428307
SNP_P1_164039_14370638	NC_021167.1	Ca_kabuli_chr08	14370638	TT	CC	1940428308
SNP_P1_164040_14370670	NC_021167.1	Ca_kabuli_chr08	14370670	TT	AA	1940428309
SNP_P1_164042_14370748	NC_021167.1	Ca_kabuli_chr08	14370748	GG	AA	1940428310
SNP_P1_164043_14370906	NC_021167.1	Ca_kabuli_chr08	14370906	TT	CC	1940428311
SNP_P1_164044_14370928	NC_021167.1	Ca_kabuli_chr08	14370928	AA	CC	1940428312
SNP_P1_164045_14370933	NC_021167.1	Ca_kabuli_chr08	14370933	GG	TT	1940428313
SNP_P1_164046_14370935	NC_021167.1	Ca_kabuli_chr08	14370935	GG	AA	1940428314
SNP_P1_164048_14373904	NC_021167.1	Ca_kabuli_chr08	14373904	GG	CC	1940428315
SNP_P1_164052_14409790	NC_021167.1	Ca_kabuli_chr08	14409790	CC	TT	1940428316
SNP_P1_164053_14413129	NC_021167.1	Ca_kabuli_chr08	14413129	CC	TT	1940428317
SNP_P1_164054_14427828	NC_021167.1	Ca_kabuli_chr08	14427828	AA	GG	1940428318
SNP_P1_164055_14437565	NC_021167.1	Ca_kabuli_chr08	14437565	TT	GG	1940428319
SNP_P1_164056_14437567	NC_021167.1	Ca_kabuli_chr08	14437567	TT	GG	1940428321
SNP_P1_164058_14477041	NC_021167.1	Ca_kabuli_chr08	14477041	AA	GG	1940428322
SNP_P1_164060_14505700	NC_021167.1	Ca_kabuli_chr08	14505700	AA	CC	1940428323
SNP_P1_164062_14516264	NC_021167.1	Ca_kabuli_chr08	14516264	TT	GG	1940428324
SNP_P1_164063_14564622	NC_021167.1	Ca_kabuli_chr08	14564622	TT	GG	1940428325
SNP_P1_164064_14564740	NC_021167.1	Ca_kabuli_chr08	14564740	AA	GG	1940428326
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SNP_P1_164069_14565691	NC_021167.1	Ca_kabuli_chr08	14565691	TT	GG	1940428330
SNP_P1_164070_14565710	NC_021167.1	Ca_kabuli_chr08	14565710	GG	CC	1940428331
SNP_P1_164071_14565743	NC_021167.1	Ca_kabuli_chr08	14565743	CC	TT	1940428332
SNP_P1_164072_14565855	NC_021167.1	Ca_kabuli_chr08	14565855	CC	GG	1940428333
SNP_P1_164073_14567964	NC_021167.1	Ca_kabuli_chr08	14567964	GG	AA	1940428334
SNP_P1_164074_14567980	NC_021167.1	Ca_kabuli_chr08	14567980	AA	GG	1940428335
SNP_P1_164075_14568029	NC_021167.1	Ca_kabuli_chr08	14568029	TT	AA	1940428336
SNP_P1_164076_14568216	NC_021167.1	Ca_kabuli_chr08	14568216	AA	GG	1940428337
SNP_P1_164077_14568250	NC_021167.1	Ca_kabuli_chr08	14568250	AA	GG	1940428338
SNP_P1_164081_14569766	NC_021167.1	Ca_kabuli_chr08	14569766	GG	AA	1940428339
SNP_P1_164082_14571168	NC_021167.1	Ca_kabuli_chr08	14571168	CC	TT	1940428340
SNP_P1_164083_14571444	NC_021167.1	Ca_kabuli_chr08	14571444	CC	TT	1940428341
SNP_P1_164084_14571460	NC_021167.1	Ca_kabuli_chr08	14571460	CC	TT	1940428342
SNP_P1_164085_14575942	NC_021167.1	Ca_kabuli_chr08	14575942	GG	AA	1940428343
SNP_P1_164086_14575950	NC_021167.1	Ca_kabuli_chr08	14575950	TT	CC	1940428344

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164088_14576273	NC_021167.1	Ca_kabuli_chr08	14576273	TT	AA	1940428346
SNP_P1_164089_14577790	NC_021167.1	Ca_kabuli_chr08	14577790	TT	AA	1940428347
SNP_P1_164090_14578703	NC_021167.1	Ca_kabuli_chr08	14578703	CC	TT	1940428348
SNP_P1_164091_14579537	NC_021167.1	Ca_kabuli_chr08	14579537	AA	CC	1940428349
SNP_P1_164092_14580017	NC_021167.1	Ca_kabuli_chr08	14580017	CC	TT	1940428350
SNP_P1_164094_14580156	NC_021167.1	Ca_kabuli_chr08	14580156	AA	GG	1940428351
SNP_P1_164095_14580309	NC_021167.1	Ca_kabuli_chr08	14580309	TT	AA	1940428352
SNP_P1_164096_14581193	NC_021167.1	Ca_kabuli_chr08	14581193	AA	TT	1940428353
SNP_P1_164097_14581650	NC_021167.1	Ca_kabuli_chr08	14581650	AA	TT	1940428354
SNP_P1_164098_14583249	NC_021167.1	Ca_kabuli_chr08	14583249	AA	GG	1940428355
SNP_P1_164099_14585780	NC_021167.1	Ca_kabuli_chr08	14585780	CC	GG	1940428356
SNP_P1_164100_14585827	NC_021167.1	Ca_kabuli_chr08	14585827	GG	AA	1940428357
SNP_P1_164103_14585939	NC_021167.1	Ca_kabuli_chr08	14585939	AA	TT	1940428358
SNP_P1_164104_14585954	NC_021167.1	Ca_kabuli_chr08	14585954	TT	GG	1940428359
SNP_P1_164105_14585955	NC_021167.1	Ca_kabuli_chr08	14585955	GG	AA	1940428360
SNP_P1_164106_14586833	NC_021167.1	Ca_kabuli_chr08	14586833	GG	TT	1940428361
SNP_P1_164108_14587930	NC_021167.1	Ca_kabuli_chr08	14587930	CC	TT	1940428362
SNP_P1_164109_14590739	NC_021167.1	Ca_kabuli_chr08	14590739	TT	CC	1940428363
SNP_P1_164110_14590933	NC_021167.1	Ca_kabuli_chr08	14590933	TT	CC	1940428364
SNP_P1_164111_14591422	NC_021167.1	Ca_kabuli_chr08	14591422	CC	GG	1940428365
SNP_P1_164112_14591696	NC_021167.1	Ca_kabuli_chr08	14591696	AA	GG	1940428366
SNP_P1_164113_14591709	NC_021167.1	Ca_kabuli_chr08	14591709	GG	AA	1940428367
SNP_P1_164114_14593092	NC_021167.1	Ca_kabuli_chr08	14593092	TT	CC	1940428368
SNP_P1_164115_14593363	NC_021167.1	Ca_kabuli_chr08	14593363	GG	AA	1940428369
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SNP_P1_164117_14601274	NC_021167.1	Ca_kabuli_chr08	14601274	TT	AA	1940428371
SNP_P1_164118_14601278	NC_021167.1	Ca_kabuli_chr08	14601278	TT	AA	1940428372
SNP_P1_164119_14601544	NC_021167.1	Ca_kabuli_chr08	14601544	AA	CC	1940428373
SNP_P1_164120_14601577	NC_021167.1	Ca_kabuli_chr08	14601577	GG	TT	1940428374
SNP_P1_164121_14601581	NC_021167.1	Ca_kabuli_chr08	14601581	AA	TT	1940428375
SNP_P1_164123_14601621	NC_021167.1	Ca_kabuli_chr08	14601621	TT	CC	1940428376
SNP_P1_164124_14601714	NC_021167.1	Ca_kabuli_chr08	14601714	AA	GG	1940428377
SNP_P1_164126_14602959	NC_021167.1	Ca_kabuli_chr08	14602959	GG	CC	1940428378
SNP_P1_164127_14603294	NC_021167.1	Ca_kabuli_chr08	14603294	TT	GG	1940428379
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SNP_P1_164129_14603312	NC_021167.1	Ca_kabuli_chr08	14603312	CC	TT	1940428381
SNP_P1_164130_14603322	NC_021167.1	Ca_kabuli_chr08	14603322	TT	AA	1940428382
SNP_P1_164131_14603360	NC_021167.1	Ca_kabuli_chr08	14603360	AA	GG	1940428383
SNP_P1_164132_14603414	NC_021167.1	Ca_kabuli_chr08	14603414	TT	AA	1940428384
SNP_P1_164133_14603579	NC_021167.1	Ca_kabuli_chr08	14603579	CC	TT	1940428385
SNP_P1_164134_14603589	NC_021167.1	Ca_kabuli_chr08	14603589	AA	TT	1940428386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164138_14603965	NC_021167.1	Ca_kabuli_chr08	14603965	GG	TT	1940428388
SNP_P1_164139_14603994	NC_021167.1	Ca_kabuli_chr08	14603994	TT	CC	1940428389
SNP_P1_164140_14604459	NC_021167.1	Ca_kabuli_chr08	14604459	AA	GG	1940428390
SNP_P1_164141_14604470	NC_021167.1	Ca_kabuli_chr08	14604470	AA	TT	1940428391
SNP_P1_164142_14604473	NC_021167.1	Ca_kabuli_chr08	14604473	GG	AA	1940428392
SNP_P1_164143_14604474	NC_021167.1	Ca_kabuli_chr08	14604474	TT	AA	1940428393
SNP_P1_164144_14604480	NC_021167.1	Ca_kabuli_chr08	14604480	AA	GG	1940428394
SNP_P1_164145_14604489	NC_021167.1	Ca_kabuli_chr08	14604489	CC	TT	1940428395
SNP_P1_164146_14604492	NC_021167.1	Ca_kabuli_chr08	14604492	CC	TT	1940428396
SNP_P1_164147_14604503	NC_021167.1	Ca_kabuli_chr08	14604503	AA	TT	1940428397
SNP_P1_164148_14607882	NC_021167.1	Ca_kabuli_chr08	14607882	GG	TT	1940428398
SNP_P1_164149_14607913	NC_021167.1	Ca_kabuli_chr08	14607913	CC	TT	1940428399
SNP_P1_164150_14607916	NC_021167.1	Ca_kabuli_chr08	14607916	GG	TT	1940428400
SNP_P1_164151_14607939	NC_021167.1	Ca_kabuli_chr08	14607939	AA	GG	1940428401
SNP_P1_164152_14607969	NC_021167.1	Ca_kabuli_chr08	14607969	TT	GG	1940428402
SNP_P1_164153_14607975	NC_021167.1	Ca_kabuli_chr08	14607975	AA	GG	1940428403
SNP_P1_164154_14607991	NC_021167.1	Ca_kabuli_chr08	14607991	GG	AA	1940428404
SNP_P1_164155_14608006	NC_021167.1	Ca_kabuli_chr08	14608006	AA	CC	1940428405
SNP_P1_164156_14608019	NC_021167.1	Ca_kabuli_chr08	14608019	AA	GG	1940428406
SNP_P1_164157_14608021	NC_021167.1	Ca_kabuli_chr08	14608021	GG	TT	1940428407
SNP_P1_164158_14608056	NC_021167.1	Ca_kabuli_chr08	14608056	CC	TT	1940428408
SNP_P1_164159_14608070	NC_021167.1	Ca_kabuli_chr08	14608070	AA	GG	1940428409
SNP_P1_164160_14608948	NC_021167.1	Ca_kabuli_chr08	14608948	AA	TT	1940428410
SNP_P1_164161_14609006	NC_021167.1	Ca_kabuli_chr08	14609006	TT	CC	1940428411
SNP_P1_164162_14609018	NC_021167.1	Ca_kabuli_chr08	14609018	CC	TT	1940428412
SNP_P1_164164_14609088	NC_021167.1	Ca_kabuli_chr08	14609088	CC	TT	1940428413
SNP_P1_164165_14609089	NC_021167.1	Ca_kabuli_chr08	14609089	CC	TT	1940428414
SNP_P1_164166_14609095	NC_021167.1	Ca_kabuli_chr08	14609095	AA	TT	1940428415
SNP_P1_164167_14609098	NC_021167.1	Ca_kabuli_chr08	14609098	CC	TT	1940428416
SNP_P1_164168_14609119	NC_021167.1	Ca_kabuli_chr08	14609119	GG	AA	1940428417
SNP_P1_164169_14609278	NC_021167.1	Ca_kabuli_chr08	14609278	AA	TT	1940428418
SNP_P1_164170_14609295	NC_021167.1	Ca_kabuli_chr08	14609295	CC	GG	1940428419
SNP_P1_164173_14611043	NC_021167.1	Ca_kabuli_chr08	14611043	AA	CC	1940428420
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SNP_P1_164175_14611067	NC_021167.1	Ca_kabuli_chr08	14611067	AA	GG	1940428422
SNP_P1_164177_14611657	NC_021167.1	Ca_kabuli_chr08	14611657	TT	AA	1940428423
SNP_P1_164178_14612145	NC_021167.1	Ca_kabuli_chr08	14612145	AA	TT	1940428424
SNP_P1_164179_14613214	NC_021167.1	Ca_kabuli_chr08	14613214	TT	CC	1940428425
SNP_P1_164180_14613560	NC_021167.1	Ca_kabuli_chr08	14613560	AA	GG	1940428426
SNP_P1_164182_14615058	NC_021167.1	Ca_kabuli_chr08	14615058	TT	CC	1940428427
SNP_P1_164184_14617082	NC_021167.1	Ca_kabuli_chr08	14617082	TT	CC	1940428428

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164187_14617382	NC_021167.1	Ca_kabuli_chr08	14617382	CC	GG	1940428431
SNP_P1_164189_14617759	NC_021167.1	Ca_kabuli_chr08	14617759	GG	AA	1940428432
SNP_P1_164190_14619355	NC_021167.1	Ca_kabuli_chr08	14619355	GG	AA	1940428433
SNP_P1_164191_14621338	NC_021167.1	Ca_kabuli_chr08	14621338	AA	GG	1940428434
SNP_P1_164195_14625556	NC_021167.1	Ca_kabuli_chr08	14625556	AA	CC	1940428435
SNP_P1_164196_14629130	NC_021167.1	Ca_kabuli_chr08	14629130	AA	GG	1940428436
SNP_P1_164197_14629375	NC_021167.1	Ca_kabuli_chr08	14629375	TT	CC	1940428437
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SNP_P1_164199_14629419	NC_021167.1	Ca_kabuli_chr08	14629419	GG	AA	1940428439
SNP_P1_164200_14629493	NC_021167.1	Ca_kabuli_chr08	14629493	TT	GG	1940428440
SNP_P1_164201_14629508	NC_021167.1	Ca_kabuli_chr08	14629508	GG	AA	1940428441
SNP_P1_164202_14629522	NC_021167.1	Ca_kabuli_chr08	14629522	TT	AA	1940428442
SNP_P1_164203_14629571	NC_021167.1	Ca_kabuli_chr08	14629571	GG	AA	1940428443
SNP_P1_164204_14629594	NC_021167.1	Ca_kabuli_chr08	14629594	CC	AA	1940428444
SNP_P1_164205_14629603	NC_021167.1	Ca_kabuli_chr08	14629603	CC	GG	1940428445
SNP_P1_164206_14630393	NC_021167.1	Ca_kabuli_chr08	14630393	AA	CC	1940428446
SNP_P1_164208_14630886	NC_021167.1	Ca_kabuli_chr08	14630886	CC	GG	1940428447
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SNP_P1_164211_14631108	NC_021167.1	Ca_kabuli_chr08	14631108	CC	TT	1940428449
SNP_P1_164212_14631138	NC_021167.1	Ca_kabuli_chr08	14631138	AA	TT	1940428450
SNP_P1_164213_14631452	NC_021167.1	Ca_kabuli_chr08	14631452	CC	TT	1940428451
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SNP_P1_164216_14634284	NC_021167.1	Ca_kabuli_chr08	14634284	GG	AA	1940428453
SNP_P1_164217_14639911	NC_021167.1	Ca_kabuli_chr08	14639911	GG	AA	1940428454
SNP_P1_164218_14642321	NC_021167.1	Ca_kabuli_chr08	14642321	TT	CC	1940428455
SNP_P1_164219_14642629	NC_021167.1	Ca_kabuli_chr08	14642629	TT	AA	1940428456
SNP_P1_164220_14642677	NC_021167.1	Ca_kabuli_chr08	14642677	GG	CC	1940428457
SNP_P1_164221_14642691	NC_021167.1	Ca_kabuli_chr08	14642691	CC	TT	1940428458
SNP_P1_164222_14644109	NC_021167.1	Ca_kabuli_chr08	14644109	AA	TT	1940428459
SNP_P1_164223_14644268	NC_021167.1	Ca_kabuli_chr08	14644268	GG	AA	1940428460
SNP_P1_164224_14644296	NC_021167.1	Ca_kabuli_chr08	14644296	GG	AA	1940428461
SNP_P1_164225_14644304	NC_021167.1	Ca_kabuli_chr08	14644304	CC	TT	1940428462
SNP_P1_164226_14644350	NC_021167.1	Ca_kabuli_chr08	14644350	GG	AA	1940428463
SNP_P1_164227_14644363	NC_021167.1	Ca_kabuli_chr08	14644363	CC	TT	1940428464
SNP_P1_164228_14644546	NC_021167.1	Ca_kabuli_chr08	14644546	AA	GG	1940428465
SNP_P1_164229_14644839	NC_021167.1	Ca_kabuli_chr08	14644839	TT	AA	1940428466
SNP_P1_164230_14644913	NC_021167.1	Ca_kabuli_chr08	14644913	CC	GG	1940428467
SNP_P1_164231_14644987	NC_021167.1	Ca_kabuli_chr08	14644987	GG	AA	1940428468
SNP_P1_164233_14645140	NC_021167.1	Ca_kabuli_chr08	14645140	TT	CC	1940428469
SNP_P1_164234_14645221	NC_021167.1	Ca_kabuli_chr08	14645221	GG	AA	1940428470

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_164235_14645238	NC_021167.1	Ca_kabuli_chr08	14645238	GG	AA	1940428471
SNP_P1_164237_14645823	NC_021167.1	Ca_kabuli_chr08	14645823	AA	GG	1940428473
SNP_P1_164238_14646111	NC_021167.1	Ca_kabuli_chr08	14646111	CC	GG	1940428474
SNP_P1_164239_14646145	NC_021167.1	Ca_kabuli_chr08	14646145	AA	GG	1940428475
SNP_P1_164240_14646173	NC_021167.1	Ca_kabuli_chr08	14646173	GG	AA	1940428476
SNP_P1_164242_14647186	NC_021167.1	Ca_kabuli_chr08	14647186	GG	AA	1940428477
SNP_P1_164243_14647257	NC_021167.1	Ca_kabuli_chr08	14647257	CC	TT	1940428478
SNP_P1_164246_14648153	NC_021167.1	Ca_kabuli_chr08	14648153	TT	AA	1940428479
SNP_P1_164247_14648412	NC_021167.1	Ca_kabuli_chr08	14648412	GG	AA	1940428480
SNP_P1_164248_14648476	NC_021167.1	Ca_kabuli_chr08	14648476	AA	GG	1940428481
SNP_P1_164249_14648588	NC_021167.1	Ca_kabuli_chr08	14648588	AA	TT	1940428482
SNP_P1_164250_14648594	NC_021167.1	Ca_kabuli_chr08	14648594	AA	TT	1940428483
SNP_P1_164251_14648648	NC_021167.1	Ca_kabuli_chr08	14648648	CC	TT	1940428484
SNP_P1_164252_14648957	NC_021167.1	Ca_kabuli_chr08	14648957	CC	TT	1940428485
SNP_P1_164253_14649021	NC_021167.1	Ca_kabuli_chr08	14649021	GG	TT	1940428486
SNP_P1_164254_14649183	NC_021167.1	Ca_kabuli_chr08	14649183	AA	GG	1940428487
SNP_P1_164255_14649591	NC_021167.1	Ca_kabuli_chr08	14649591	CC	AA	1940428488
SNP_P1_164256_14649605	NC_021167.1	Ca_kabuli_chr08	14649605	TT	GG	1940428489
SNP_P1_164257_14649681	NC_021167.1	Ca_kabuli_chr08	14649681	AA	CC	1940428490
SNP_P1_164258_14649686	NC_021167.1	Ca_kabuli_chr08	14649686	AA	GG	1940428491
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SNP_P1_164260_14649893	NC_021167.1	Ca_kabuli_chr08	14649893	CC	TT	1940428493
SNP_P1_164261_14649895	NC_021167.1	Ca_kabuli_chr08	14649895	CC	TT	1940428494
SNP_P1_164262_14649992	NC_021167.1	Ca_kabuli_chr08	14649992	TT	CC	1940428495
SNP_P1_164263_14649997	NC_021167.1	Ca_kabuli_chr08	14649997	CC	TT	1940428496
SNP_P1_164264_14650015	NC_021167.1	Ca_kabuli_chr08	14650015	TT	CC	1940428497
SNP_P1_164265_14650032	NC_021167.1	Ca_kabuli_chr08	14650032	TT	CC	1940428498
SNP_P1_164266_14650071	NC_021167.1	Ca_kabuli_chr08	14650071	AA	GG	1940428499
SNP_P1_164267_14650078	NC_021167.1	Ca_kabuli_chr08	14650078	AA	GG	1940428500
SNP_P1_164267_14650094	NC_021167.1	Ca_kabuli_chr08	14650094	TT	CC	1940428501
SNP_P1_164269_14650125	NC_021167.1	Ca_kabuli_chr08	14650125	AA	TT	1940428502
SNP_P1_164270_14650127	NC_021167.1	Ca_kabuli_chr08	14650127	GG	AA	1940428503
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SNP_P1_164272_14650376	NC_021167.1	Ca_kabuli_chr08	14650376	AA	TT	1940428505
SNP_P1_164273_14650416	NC_021167.1	Ca_kabuli_chr08	14650416	AA	TT	1940428506
SNP_P1_164274_14650438	NC_021167.1	Ca_kabuli_chr08	14650438	TT	AA	1940428507
SNP_P1_164275_14650738	NC_021167.1	Ca_kabuli_chr08	14650738	CC	AA	1940428508
SNP_P1_164276_14652146	NC_021167.1	Ca_kabuli_chr08	14652146	TT	AA	1940428509
SNP_P1_164277_14652437	NC_021167.1	Ca_kabuli_chr08	14652437	GG	AA	1940428510
SNP_P1_164279_14655043	NC_021167.1	Ca_kabuli_chr08	14655043	CC	AA	1940428511
SNP_P1_164280_14655504	NC_021167.1	Ca_kabuli_chr08	14655504	AA	GG	1940428512
SNP_P1_164284_14656594	NC_021167.1	Ca_kabuli_chr08	14656594	CC	GG	1940428513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164287_14656753	NC_021167.1	Ca_kabuli_chr08	14656753	CC	AA	1940428516
SNP_P1_164288_14656756	NC_021167.1	Ca_kabuli_chr08	14656756	TT	CC	1940428517
SNP_P1_164289_14656762	NC_021167.1	Ca_kabuli_chr08	14656762	GG	AA	1940428518
SNP_P1_164290_14656787	NC_021167.1	Ca_kabuli_chr08	14656787	AA	GG	1940428519
SNP_P1_164292_14656878	NC_021167.1	Ca_kabuli_chr08	14656878	TT	CC	1940428520
SNP_P1_164293_14657069	NC_021167.1	Ca_kabuli_chr08	14657069	AA	GG	1940428521
SNP_P1_164295_14657229	NC_021167.1	Ca_kabuli_chr08	14657229	TT	AA	1940428522
SNP_P1_164297_14658844	NC_021167.1	Ca_kabuli_chr08	14658844	AA	TT	1940428523
SNP_P1_164298_14658883	NC_021167.1	Ca_kabuli_chr08	14658883	GG	CC	1940428524
SNP_P1_164299_14659356	NC_021167.1	Ca_kabuli_chr08	14659356	CC	TT	1940428525
SNP_P1_164302_14659671	NC_021167.1	Ca_kabuli_chr08	14659671	AA	GG	1940428526
SNP_P1_164303_14659762	NC_021167.1	Ca_kabuli_chr08	14659762	TT	CC	1940428527
SNP_P1_164304_14659763	NC_021167.1	Ca_kabuli_chr08	14659763	GG	CC	1940428528
SNP_P1_164305_14659788	NC_021167.1	Ca_kabuli_chr08	14659788	AA	TT	1940428529
SNP_P1_164306_14659816	NC_021167.1	Ca_kabuli_chr08	14659816	AA	CC	1940428530
SNP_P1_164307_14659899	NC_021167.1	Ca_kabuli_chr08	14659899	TT	CC	1940428531
SNP_P1_164308_14659980	NC_021167.1	Ca_kabuli_chr08	14659980	TT	CC	1940428532
SNP_P1_164310_14660002	NC_021167.1	Ca_kabuli_chr08	14660002	GG	TT	1940428533
SNP_P1_164311_14660062	NC_021167.1	Ca_kabuli_chr08	14660062	GG	AA	1940428534
SNP_P1_164312_14660089	NC_021167.1	Ca_kabuli_chr08	14660089	TT	GG	1940428535
SNP_P1_164313_14660213	NC_021167.1	Ca_kabuli_chr08	14660213	AA	TT	1940428536
SNP_P1_164314_14660221	NC_021167.1	Ca_kabuli_chr08	14660221	GG	AA	1940428537
SNP_P1_164315_14660226	NC_021167.1	Ca_kabuli_chr08	14660226	AA	GG	1940428538
SNP_P1_164316_14660247	NC_021167.1	Ca_kabuli_chr08	14660247	AA	CC	1940428539
SNP_P1_164317_14660372	NC_021167.1	Ca_kabuli_chr08	14660372	AA	GG	1940428540
SNP_P1_164318_14660558	NC_021167.1	Ca_kabuli_chr08	14660558	TT	CC	1940428541
SNP_P1_164319_14660679	NC_021167.1	Ca_kabuli_chr08	14660679	CC	TT	1940428542
SNP_P1_164320_14660680	NC_021167.1	Ca_kabuli_chr08	14660680	CC	GG	1940428543
SNP_P1_164321_14660711	NC_021167.1	Ca_kabuli_chr08	14660711	GG	AA	1940428544
SNP_P1_164322_14660713	NC_021167.1	Ca_kabuli_chr08	14660713	TT	AA	1940428545
SNP_P1_164323_14660718	NC_021167.1	Ca_kabuli_chr08	14660718	CC	AA	1940428546
SNP_P1_164324_14660728	NC_021167.1	Ca_kabuli_chr08	14660728	AA	TT	1940428547
SNP_P1_164325_14660766	NC_021167.1	Ca_kabuli_chr08	14660766	GG	AA	1940428548
SNP_P1_164326_14661047	NC_021167.1	Ca_kabuli_chr08	14661047	CC	TT	1940428549
SNP_P1_164328_14661338	NC_021167.1	Ca_kabuli_chr08	14661338	CC	TT	1940428550
SNP_P1_164329_14661914	NC_021167.1	Ca_kabuli_chr08	14661914	GG	AA	1940428551
SNP_P1_164332_14662257	NC_021167.1	Ca_kabuli_chr08	14662257	CC	TT	1940428552
SNP_P1_164333_14662284	NC_021167.1	Ca_kabuli_chr08	14662284	CC	TT	1940428553
SNP_P1_164334_14662314	NC_021167.1	Ca_kabuli_chr08	14662314	AA	CC	1940428554
SNP_P1_164335_14662382	NC_021167.1	Ca_kabuli_chr08	14662382	AA	TT	1940428555

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164337_14662473	NC_021167.1	Ca_kabuli_chr08	14662473	AA	TT	1940428557
SNP_P1_164338_14662646	NC_021167.1	Ca_kabuli_chr08	14662646	AA	GG	1940428558
SNP_P1_164339_14662658	NC_021167.1	Ca_kabuli_chr08	14662658	TT	CC	1940428559
SNP_P1_164340_14662669	NC_021167.1	Ca_kabuli_chr08	14662669	AA	GG	1940428560
SNP_P1_164341_14662687	NC_021167.1	Ca_kabuli_chr08	14662687	AA	GG	1940428561
SNP_P1_164343_14662812	NC_021167.1	Ca_kabuli_chr08	14662812	CC	GG	1940428562
SNP_P1_164344_14663018	NC_021167.1	Ca_kabuli_chr08	14663018	TT	CC	1940428563
SNP_P1_164345_14663038	NC_021167.1	Ca_kabuli_chr08	14663038	GG	CC	1940428564
SNP_P1_164346_14665127	NC_021167.1	Ca_kabuli_chr08	14665127	TT	AA	1940428565
SNP_P1_164347_14665144	NC_021167.1	Ca_kabuli_chr08	14665144	GG	AA	1940428566
SNP_P1_164348_14665188	NC_021167.1	Ca_kabuli_chr08	14665188	AA	TT	1940428567
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SNP_P1_164351_14665450	NC_021167.1	Ca_kabuli_chr08	14665450	TT	CC	1940428570
SNP_P1_164352_14666337	NC_021167.1	Ca_kabuli_chr08	14666337	TT	AA	1940428571
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SNP_P1_164357_14667212	NC_021167.1	Ca_kabuli_chr08	14667212	CC	AA	1940428576
SNP_P1_164358_14667219	NC_021167.1	Ca_kabuli_chr08	14667219	GG	CC	1940428577
SNP_P1_164359_14667233	NC_021167.1	Ca_kabuli_chr08	14667233	GG	TT	1940428578
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SNP_P1_164363_14668645	NC_021167.1	Ca_kabuli_chr08	14668645	AA	GG	1940428581
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SNP_P1_164368_14670740	NC_021167.1	Ca_kabuli_chr08	14670740	CC	TT	1940428585
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SNP_P1_164371_14670988	NC_021167.1	Ca_kabuli_chr08	14670988	TT	CC	1940428587
SNP_P1_164372_14671007	NC_021167.1	Ca_kabuli_chr08	14671007	CC	TT	1940428588
SNP_P1_164374_14671143	NC_021167.1	Ca_kabuli_chr08	14671143	GG	AA	1940428589
SNP_P1_164375_14671284	NC_021167.1	Ca_kabuli_chr08	14671284	TT	CC	1940428590
SNP_P1_164376_14671359	NC_021167.1	Ca_kabuli_chr08	14671359	GG	AA	1940428591
SNP_P1_164377_14671414	NC_021167.1	Ca_kabuli_chr08	14671414	TT	AA	1940428592
SNP_P1_164379_14671496	NC_021167.1	Ca_kabuli_chr08	14671496	GG	AA	1940428593
SNP_P1_164380_14671581	NC_021167.1	Ca_kabuli_chr08	14671581	TT	GG	1940428594
SNP_P1_164381_14674183	NC_021167.1	Ca_kabuli_chr08	14674183	TT	CC	1940428595
SNP_P1_164386_14676664	NC_021167.1	Ca_kabuli_chr08	14676664	GG	AA	1940428596
SNP_P1_164387_14677436	NC_021167.1	Ca_kabuli_chr08	14677436	CC	TT	1940428597

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164390_14677644	NC_021167.1	Ca_kabuli_chr08	14677644	TT	CC	1940428600
SNP_P1_164391_14677651	NC_021167.1	Ca_kabuli_chr08	14677651	AA	CC	1940428601
SNP_P1_164392_14677664	NC_021167.1	Ca_kabuli_chr08	14677664	AA	TT	1940428602
SNP_P1_164394_14679642	NC_021167.1	Ca_kabuli_chr08	14679642	TT	AA	1940428603
SNP_P1_164395_14680960	NC_021167.1	Ca_kabuli_chr08	14680960	TT	AA	1940428604
SNP_P1_164397_14682626	NC_021167.1	Ca_kabuli_chr08	14682626	TT	CC	1940428605
SNP_P1_164398_14682751	NC_021167.1	Ca_kabuli_chr08	14682751	GG	TT	1940428606
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SNP_P1_164401_14686257	NC_021167.1	Ca_kabuli_chr08	14686257	TT	GG	1940428609
SNP_P1_164402_14686736	NC_021167.1	Ca_kabuli_chr08	14686736	AA	GG	1940428610
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SNP_P1_164404_14687346	NC_021167.1	Ca_kabuli_chr08	14687346	AA	TT	1940428612
SNP_P1_164405_14687706	NC_021167.1	Ca_kabuli_chr08	14687706	GG	TT	1940428613
SNP_P1_164407_14688343	NC_021167.1	Ca_kabuli_chr08	14688343	GG	AA	1940428614
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SNP_P1_164409_14688624	NC_021167.1	Ca_kabuli_chr08	14688624	GG	AA	1940428616
SNP_P1_164410_14688649	NC_021167.1	Ca_kabuli_chr08	14688649	TT	AA	1940428618
SNP_P1_164411_14691132	NC_021167.1	Ca_kabuli_chr08	14691132	AA	GG	1940428619
SNP_P1_164412_14691137	NC_021167.1	Ca_kabuli_chr08	14691137	GG	TT	1940428620
SNP_P1_164413_14691160	NC_021167.1	Ca_kabuli_chr08	14691160	TT	GG	1940428621
SNP_P1_164414_14691163	NC_021167.1	Ca_kabuli_chr08	14691163	AA	GG	1940428622
SNP_P1_164415_14691171	NC_021167.1	Ca_kabuli_chr08	14691171	TT	AA	1940428623
SNP_P1_164416_14692001	NC_021167.1	Ca_kabuli_chr08	14692001	CC	TT	1940428624
SNP_P1_164417_14692022	NC_021167.1	Ca_kabuli_chr08	14692022	CC	GG	1940428625
SNP_P1_164418_14692350	NC_021167.1	Ca_kabuli_chr08	14692350	CC	GG	1940428626
SNP_P1_164419_14692363	NC_021167.1	Ca_kabuli_chr08	14692363	CC	TT	1940428627
SNP_P1_164420_14692370	NC_021167.1	Ca_kabuli_chr08	14692370	TT	GG	1940428628
SNP_P1_164421_14692371	NC_021167.1	Ca_kabuli_chr08	14692371	GG	AA	1940428629
SNP_P1_164422_14692438	NC_021167.1	Ca_kabuli_chr08	14692438	CC	TT	1940428630
SNP_P1_164423_14693453	NC_021167.1	Ca_kabuli_chr08	14693453	TT	CC	1940428631
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SNP_P1_164426_14698337	NC_021167.1	Ca_kabuli_chr08	14698337	GG	AA	1940428633
SNP_P1_164427_14698578	NC_021167.1	Ca_kabuli_chr08	14698578	GG	AA	1940428634
SNP_P1_164430_14699037	NC_021167.1	Ca_kabuli_chr08	14699037	GG	AA	1940428635
SNP_P1_164431_14699588	NC_021167.1	Ca_kabuli_chr08	14699588	GG	TT	1940428636
SNP_P1_164432_14700240	NC_021167.1	Ca_kabuli_chr08	14700240	AA	GG	1940428637
SNP_P1_164433_14700251	NC_021167.1	Ca_kabuli_chr08	14700251	CC	TT	1940428638
SNP_P1_164434_14701386	NC_021167.1	Ca_kabuli_chr08	14701386	AA	GG	1940428639
SNP_P1_164435_14701439	NC_021167.1	Ca_kabuli_chr08	14701439	TT	CC	1940428640

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_164437_14701487	NC_021167.1	Ca_kabuli_chr08	14701487	CC	TT	1940428641
SNP_P1_164438_14702283	NC_021167.1	Ca_kabuli_chr08	14702283	TT	GG	1940428642
SNP_P1_164439_14702517	NC_021167.1	Ca_kabuli_chr08	14702517	TT	CC	1940428643
SNP_P1_164440_14704940	NC_021167.1	Ca_kabuli_chr08	14704940	TT	CC	1940428644
SNP_P1_164441_14704941	NC_021167.1	Ca_kabuli_chr08	14704941	AA	GG	1940428645
SNP_P1_164442_14704953	NC_021167.1	Ca_kabuli_chr08	14704953	CC	TT	1940428646
SNP_P1_164443_14705042	NC_021167.1	Ca_kabuli_chr08	14705042	CC	GG	1940428647
SNP_P1_164444_14705081	NC_021167.1	Ca_kabuli_chr08	14705081	AA	CC	1940428648
SNP_P1_164445_14705102	NC_021167.1	Ca_kabuli_chr08	14705102	GG	TT	1940428649
SNP_P1_164446_14705604	NC_021167.1	Ca_kabuli_chr08	14705604	AA	GG	1940428650
SNP_P1_164447_14705736	NC_021167.1	Ca_kabuli_chr08	14705736	TT	CC	1940428651
SNP_P1_164448_14705785	NC_021167.1	Ca_kabuli_chr08	14705785	GG	AA	1940428652
SNP_P1_164449_14706496	NC_021167.1	Ca_kabuli_chr08	14706496	GG	TT	1940428653
SNP_P1_164450_14706997	NC_021167.1	Ca_kabuli_chr08	14706997	TT	CC	1940428654
SNP_P1_164451_14707408	NC_021167.1	Ca_kabuli_chr08	14707408	CC	TT	1940428655
SNP_P1_164452_14707815	NC_021167.1	Ca_kabuli_chr08	14707815	TT	AA	1940428656
SNP_P1_164454_14709090	NC_021167.1	Ca_kabuli_chr08	14709090	GG	AA	1940428657
SNP_P1_164455_14709110	NC_021167.1	Ca_kabuli_chr08	14709110	GG	AA	1940428658
SNP_P1_164456_14709115	NC_021167.1	Ca_kabuli_chr08	14709115	GG	AA	1940428659
SNP_P1_164457_14709150	NC_021167.1	Ca_kabuli_chr08	14709150	TT	CC	1940428660
SNP_P1_164458_14709157	NC_021167.1	Ca_kabuli_chr08	14709157	CC	TT	1940428661
SNP_P1_164459_14709381	NC_021167.1	Ca_kabuli_chr08	14709381	TT	GG	1940428662
SNP_P1_164460_14709397	NC_021167.1	Ca_kabuli_chr08	14709397	AA	TT	1940428663
SNP_P1_164461_14709398	NC_021167.1	Ca_kabuli_chr08	14709398	AA	TT	1940428664
SNP_P1_164463_14710229	NC_021167.1	Ca_kabuli_chr08	14710229	TT	AA	1940428665
SNP_P1_164464_14710244	NC_021167.1	Ca_kabuli_chr08	14710244	TT	CC	1940428666
SNP_P1_164465_14710506	NC_021167.1	Ca_kabuli_chr08	14710506	GG	TT	1940428667
SNP_P1_164466_14712192	NC_021167.1	Ca_kabuli_chr08	14712192	AA	CC	1940428668
SNP_P1_164468_14713153	NC_021167.1	Ca_kabuli_chr08	14713153	TT	CC	1940428669
SNP_P1_164469_14713203	NC_021167.1	Ca_kabuli_chr08	14713203	GG	AA	1940428670
SNP_P1_164470_14713474	NC_021167.1	Ca_kabuli_chr08	14713474	GG	AA	1940428671
SNP_P1_164471_14714101	NC_021167.1	Ca_kabuli_chr08	14714101	AA	CC	1940428672
SNP_P1_164472_14715368	NC_021167.1	Ca_kabuli_chr08	14715368	GG	AA	1940428673
SNP_P1_164473_14717360	NC_021167.1	Ca_kabuli_chr08	14717360	AA	CC	1940428674
SNP_P1_164474_14718834	NC_021167.1	Ca_kabuli_chr08	14718834	AA	GG	1940428675
SNP_P1_164475_14722171	NC_021167.1	Ca_kabuli_chr08	14722171	CC	TT	1940428676
SNP_P1_164476_14722204	NC_021167.1	Ca_kabuli_chr08	14722204	TT	AA	1940428677
SNP_P1_164477_14722242	NC_021167.1	Ca_kabuli_chr08	14722242	CC	TT	1940428678
SNP_P1_164480_14722727	NC_021167.1	Ca_kabuli_chr08	14722727	TT	AA	1940428679
SNP_P1_164481_14722743	NC_021167.1	Ca_kabuli_chr08	14722743	AA	GG	1940428680
SNP_P1_164482_14722868	NC_021167.1	Ca_kabuli_chr08	14722868	CC	GG	1940428681
SNP_P1_164483_14723003	NC_021167.1	Ca_kabuli_chr08	14723003	TT	AA	1940428682

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164485_14723066	NC_021167.1	Ca_kabuli_chr08	14723066	TT	AA	1940428684
SNP_P1_164486_14723084	NC_021167.1	Ca_kabuli_chr08	14723084	CC	GG	1940428685
SNP_P1_164487_14723838	NC_021167.1	Ca_kabuli_chr08	14723838	GG	CC	1940428686
SNP_P1_164488_14724005	NC_021167.1	Ca_kabuli_chr08	14724005	AA	TT	1940428687
SNP_P1_164489_14724326	NC_021167.1	Ca_kabuli_chr08	14724326	TT	CC	1940428688
SNP_P1_164490_14724986	NC_021167.1	Ca_kabuli_chr08	14724986	CC	GG	1940428689
SNP_P1_164491_14725270	NC_021167.1	Ca_kabuli_chr08	14725270	TT	CC	1940428690
SNP_P1_164493_14725582	NC_021167.1	Ca_kabuli_chr08	14725582	GG	AA	1940428691
SNP_P1_164494_14725672	NC_021167.1	Ca_kabuli_chr08	14725672	AA	GG	1940428692
SNP_P1_164495_14726222	NC_021167.1	Ca_kabuli_chr08	14726222	GG	AA	1940428693
SNP_P1_164497_14727199	NC_021167.1	Ca_kabuli_chr08	14727199	AA	GG	1940428694
SNP_P1_164498_14727526	NC_021167.1	Ca_kabuli_chr08	14727526	AA	GG	1940428695
SNP_P1_164500_14727584	NC_021167.1	Ca_kabuli_chr08	14727584	GG	CC	1940428696
SNP_P1_164501_14727786	NC_021167.1	Ca_kabuli_chr08	14727786	GG	TT	1940428697
SNP_P1_164503_14727859	NC_021167.1	Ca_kabuli_chr08	14727859	AA	GG	1940428698
SNP_P1_164504_14727942	NC_021167.1	Ca_kabuli_chr08	14727942	AA	GG	1940428699
SNP_P1_164505_14728104	NC_021167.1	Ca_kabuli_chr08	14728104	CC	TT	1940428700
SNP_P1_164506_14728195	NC_021167.1	Ca_kabuli_chr08	14728195	GG	TT	1940428701
SNP_P1_164507_14728208	NC_021167.1	Ca_kabuli_chr08	14728208	TT	GG	1940428702
SNP_P1_164508_14728214	NC_021167.1	Ca_kabuli_chr08	14728214	GG	AA	1940428703
SNP_P1_164509_14728827	NC_021167.1	Ca_kabuli_chr08	14728827	CC	TT	1940428704
SNP_P1_164510_14729155	NC_021167.1	Ca_kabuli_chr08	14729155	CC	TT	1940428705
SNP_P1_164511_14729470	NC_021167.1	Ca_kabuli_chr08	14729470	TT	CC	1940428706
SNP_P1_164512_14730234	NC_021167.1	Ca_kabuli_chr08	14730234	AA	GG	1940428707
SNP_P1_164513_14730286	NC_021167.1	Ca_kabuli_chr08	14730286	CC	TT	1940428708
SNP_P1_164514_14730308	NC_021167.1	Ca_kabuli_chr08	14730308	CC	TT	1940428709
SNP_P1_164515_14730318	NC_021167.1	Ca_kabuli_chr08	14730318	AA	TT	1940428710
SNP_P1_164516_14730322	NC_021167.1	Ca_kabuli_chr08	14730322	AA	TT	1940428711
SNP_P1_164517_14730801	NC_021167.1	Ca_kabuli_chr08	14730801	AA	TT	1940428712
SNP_P1_164518_14731518	NC_021167.1	Ca_kabuli_chr08	14731518	AA	GG	1940428713
SNP_P1_164519_14731537	NC_021167.1	Ca_kabuli_chr08	14731537	CC	TT	1940428714
SNP_P1_164520_14731538	NC_021167.1	Ca_kabuli_chr08	14731538	CC	GG	1940428715
SNP_P1_164521_14731760	NC_021167.1	Ca_kabuli_chr08	14731760	CC	TT	1940428716
SNP_P1_164522_14731761	NC_021167.1	Ca_kabuli_chr08	14731761	CC	TT	1940428717
SNP_P1_164523_14731803	NC_021167.1	Ca_kabuli_chr08	14731803	CC	TT	1940428718
SNP_P1_164524_14731827	NC_021167.1	Ca_kabuli_chr08	14731827	GG	CC	1940428719
SNP_P1_164525_14731846	NC_021167.1	Ca_kabuli_chr08	14731846	TT	CC	1940428720
SNP_P1_164526_14731964	NC_021167.1	Ca_kabuli_chr08	14731964	AA	GG	1940428721
SNP_P1_164527_14731974	NC_021167.1	Ca_kabuli_chr08	14731974	TT	CC	1940428722
SNP_P1_164528_14732001	NC_021167.1	Ca_kabuli_chr08	14732001	AA	TT	1940428723
SNP_P1_164529_14732247	NC_021167.1	Ca_kabuli_chr08	14732247	AA	TT	1940428724

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164532_14733957	NC_021167.1	Ca_kabuli_chr08	14733957	GG	AA	1940428726
SNP_P1_164533_14734000	NC_021167.1	Ca_kabuli_chr08	14734000	CC	GG	1940428727
SNP_P1_164535_14734187	NC_021167.1	Ca_kabuli_chr08	14734187	AA	TT	1940428729
SNP_P1_164537_14736521	NC_021167.1	Ca_kabuli_chr08	14736521	CC	AA	1940428730
SNP_P1_164538_14736657	NC_021167.1	Ca_kabuli_chr08	14736657	AA	GG	1940428731
SNP_P1_164539_14736675	NC_021167.1	Ca_kabuli_chr08	14736675	CC	TT	1940428732
SNP_P1_164540_14736756	NC_021167.1	Ca_kabuli_chr08	14736756	TT	CC	1940428733
SNP_P1_164541_14736968	NC_021167.1	Ca_kabuli_chr08	14736968	CC	TT	1940428734
SNP_P1_164542_14737200	NC_021167.1	Ca_kabuli_chr08	14737200	CC	GG	1940428735
SNP_P1_164543_14737201	NC_021167.1	Ca_kabuli_chr08	14737201	AA	TT	1940428736
SNP_P1_164544_14737388	NC_021167.1	Ca_kabuli_chr08	14737388	GG	TT	1940428737
SNP_P1_164546_14737515	NC_021167.1	Ca_kabuli_chr08	14737515	GG	AA	1940428738
SNP_P1_164547_14737574	NC_021167.1	Ca_kabuli_chr08	14737574	GG	TT	1940428739
SNP_P1_164548_14737808	NC_021167.1	Ca_kabuli_chr08	14737808	AA	TT	1940428740
SNP_P1_164549_14737854	NC_021167.1	Ca_kabuli_chr08	14737854	GG	TT	1940428741
SNP_P1_164550_14737871	NC_021167.1	Ca_kabuli_chr08	14737871	GG	AA	1940428742
SNP_P1_164551_14737993	NC_021167.1	Ca_kabuli_chr08	14737993	AA	GG	1940428743
SNP_P1_164552_14739910	NC_021167.1	Ca_kabuli_chr08	14739910	TT	CC	1940428744
SNP_P1_164553_14739926	NC_021167.1	Ca_kabuli_chr08	14739926	GG	AA	1940428745
SNP_P1_164554_14739959	NC_021167.1	Ca_kabuli_chr08	14739959	AA	TT	1940428746
SNP_P1_164555_14739965	NC_021167.1	Ca_kabuli_chr08	14739965	AA	GG	1940428747
SNP_P1_164556_14740436	NC_021167.1	Ca_kabuli_chr08	14740436	AA	TT	1940428748
SNP_P1_164557_14740681	NC_021167.1	Ca_kabuli_chr08	14740681	AA	GG	1940428749
SNP_P1_164559_14741119	NC_021167.1	Ca_kabuli_chr08	14741119	AA	GG	1940428750
SNP_P1_164561_14741922	NC_021167.1	Ca_kabuli_chr08	14741922	TT	CC	1940428751
SNP_P1_164562_14741945	NC_021167.1	Ca_kabuli_chr08	14741945	TT	CC	1940428752
SNP_P1_164564_14742040	NC_021167.1	Ca_kabuli_chr08	14742040	TT	CC	1940428753
SNP_P1_164565_14742046	NC_021167.1	Ca_kabuli_chr08	14742046	TT	CC	1940428754
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SNP_P1_164568_14742119	NC_021167.1	Ca_kabuli_chr08	14742119	TT	CC	1940428757
SNP_P1_164570_14743162	NC_021167.1	Ca_kabuli_chr08	14743162	TT	AA	1940428758
SNP_P1_164573_14746748	NC_021167.1	Ca_kabuli_chr08	14746748	CC	TT	1940428759
SNP_P1_164575_14746932	NC_021167.1	Ca_kabuli_chr08	14746932	AA	TT	1940428760
SNP_P1_164576_14747076	NC_021167.1	Ca_kabuli_chr08	14747076	GG	TT	1940428761
SNP_P1_164577_14747100	NC_021167.1	Ca_kabuli_chr08	14747100	TT	CC	1940428762
SNP_P1_164579_14747138	NC_021167.1	Ca_kabuli_chr08	14747138	TT	GG	1940428763
SNP_P1_164581_14747312	NC_021167.1	Ca_kabuli_chr08	14747312	GG	CC	1940428764
SNP_P1_164582_14747371	NC_021167.1	Ca_kabuli_chr08	14747371	TT	CC	1940428765
SNP_P1_164583_14748193	NC_021167.1	Ca_kabuli_chr08	14748193	GG	AA	1940428766
SNP_P1_164584_14749314	NC_021167.1	Ca_kabuli_chr08	14749314	TT	CC	1940428767

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164587_14749605	NC_021167.1	Ca_kabuli_chr08	14749605	GG	AA	1940428769
SNP_P1_164588_14749982	NC_021167.1	Ca_kabuli_chr08	14749982	TT	CC	1940428770
SNP_P1_164589_14749987	NC_021167.1	Ca_kabuli_chr08	14749987	AA	TT	1940428771
SNP_P1_164590_14750007	NC_021167.1	Ca_kabuli_chr08	14750007	AA	TT	1940428772
SNP_P1_164591_14750325	NC_021167.1	Ca_kabuli_chr08	14750325	GG	AA	1940428773
SNP_P1_164592_14750343	NC_021167.1	Ca_kabuli_chr08	14750343	GG	TT	1940428774
SNP_P1_164593_14750354	NC_021167.1	Ca_kabuli_chr08	14750354	CC	TT	1940428775
SNP_P1_164594_14750928	NC_021167.1	Ca_kabuli_chr08	14750928	TT	AA	1940428776
SNP_P1_164595_14750940	NC_021167.1	Ca_kabuli_chr08	14750940	AA	GG	1940428777
SNP_P1_164597_14750963	NC_021167.1	Ca_kabuli_chr08	14750963	CC	TT	1940428778
SNP_P1_164598_14751012	NC_021167.1	Ca_kabuli_chr08	14751012	GG	TT	1940428779
SNP_P1_164600_14751425	NC_021167.1	Ca_kabuli_chr08	14751425	CC	TT	1940428780
SNP_P1_164601_14751445	NC_021167.1	Ca_kabuli_chr08	14751445	GG	CC	1940428781
SNP_P1_164602_14751468	NC_021167.1	Ca_kabuli_chr08	14751468	AA	GG	1940428782
SNP_P1_164604_14751534	NC_021167.1	Ca_kabuli_chr08	14751534	GG	TT	1940428783
SNP_P1_164605_14751537	NC_021167.1	Ca_kabuli_chr08	14751537	CC	AA	1940428784
SNP_P1_164606_14751573	NC_021167.1	Ca_kabuli_chr08	14751573	CC	TT	1940428785
SNP_P1_164608_14752532	NC_021167.1	Ca_kabuli_chr08	14752532	TT	AA	1940428786
SNP_P1_164609_14752677	NC_021167.1	Ca_kabuli_chr08	14752677	AA	CC	1940428787
SNP_P1_164610_14752708	NC_021167.1	Ca_kabuli_chr08	14752708	TT	GG	1940428788
SNP_P1_164611_14753088	NC_021167.1	Ca_kabuli_chr08	14753088	TT	AA	1940428789
SNP_P1_164612_14753132	NC_021167.1	Ca_kabuli_chr08	14753132	TT	CC	1940428790
SNP_P1_164613_14753136	NC_021167.1	Ca_kabuli_chr08	14753136	CC	TT	1940428791
SNP_P1_164614_14753138	NC_021167.1	Ca_kabuli_chr08	14753138	AA	GG	1940428792
SNP_P1_164615_14753333	NC_021167.1	Ca_kabuli_chr08	14753333	GG	AA	1940428793
SNP_P1_164616_14753377	NC_021167.1	Ca_kabuli_chr08	14753377	CC	TT	1940428794
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SNP_P1_164618_14753542	NC_021167.1	Ca_kabuli_chr08	14753542	GG	TT	1940428796
SNP_P1_164619_14753738	NC_021167.1	Ca_kabuli_chr08	14753738	CC	TT	1940428797
SNP_P1_164620_14753763	NC_021167.1	Ca_kabuli_chr08	14753763	TT	CC	1940428798
SNP_P1_164621_14753774	NC_021167.1	Ca_kabuli_chr08	14753774	AA	GG	1940428799
SNP_P1_164622_14755019	NC_021167.1	Ca_kabuli_chr08	14755019	TT	CC	1940428800
SNP_P1_164623_14756113	NC_021167.1	Ca_kabuli_chr08	14756113	GG	AA	1940428801
SNP_P1_164624_14756114	NC_021167.1	Ca_kabuli_chr08	14756114	TT	GG	1940428802
SNP_P1_164625_14756648	NC_021167.1	Ca_kabuli_chr08	14756648	CC	AA	1940428803
SNP_P1_164626_14756674	NC_021167.1	Ca_kabuli_chr08	14756674	CC	AA	1940428804
SNP_P1_164627_14756702	NC_021167.1	Ca_kabuli_chr08	14756702	TT	GG	1940428805
SNP_P1_164628_14756778	NC_021167.1	Ca_kabuli_chr08	14756778	TT	AA	1940428806
SNP_P1_164630_14757491	NC_021167.1	Ca_kabuli_chr08	14757491	AA	TT	1940428807
SNP_P1_164633_14757753	NC_021167.1	Ca_kabuli_chr08	14757753	TT	CC	1940428808
SNP_P1_164634_14757906	NC_021167.1	Ca_kabuli_chr08	14757906	CC	TT	1940428809

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164636_14757960	NC_021167.1	Ca_kabuli_chr08	14757960	GG	AA	1940428811
SNP_P1_164637_14758073	NC_021167.1	Ca_kabuli_chr08	14758073	CC	TT	1940428812
SNP_P1_164638_14758088	NC_021167.1	Ca_kabuli_chr08	14758088	TT	CC	1940428813
SNP_P1_164639_14758770	NC_021167.1	Ca_kabuli_chr08	14758770	CC	GG	1940428814
SNP_P1_164641_14759121	NC_021167.1	Ca_kabuli_chr08	14759121	GG	CC	1940428815
SNP_P1_164643_14759686	NC_021167.1	Ca_kabuli_chr08	14759686	TT	CC	1940428816
SNP_P1_164644_14759697	NC_021167.1	Ca_kabuli_chr08	14759697	TT	CC	1940428817
SNP_P1_164645_14759700	NC_021167.1	Ca_kabuli_chr08	14759700	GG	AA	1940428818
SNP_P1_164646_14759784	NC_021167.1	Ca_kabuli_chr08	14759784	TT	GG	1940428819
SNP_P1_164647_14760059	NC_021167.1	Ca_kabuli_chr08	14760059	CC	TT	1940428820
SNP_P1_164648_14760129	NC_021167.1	Ca_kabuli_chr08	14760129	AA	TT	1940428821
SNP_P1_164649_14760479	NC_021167.1	Ca_kabuli_chr08	14760479	GG	CC	1940428822
SNP_P1_164650_14760497	NC_021167.1	Ca_kabuli_chr08	14760497	AA	GG	1940428823
SNP_P1_164651_14760535	NC_021167.1	Ca_kabuli_chr08	14760535	TT	GG	1940428824
SNP_P1_164652_14760722	NC_021167.1	Ca_kabuli_chr08	14760722	GG	AA	1940428825
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SNP_P1_164654_14760802	NC_021167.1	Ca_kabuli_chr08	14760802	GG	AA	1940428827
SNP_P1_164655_14762192	NC_021167.1	Ca_kabuli_chr08	14762192	GG	TT	1940428828
SNP_P1_164656_14763706	NC_021167.1	Ca_kabuli_chr08	14763706	TT	CC	1940428829
SNP_P1_164659_14764091	NC_021167.1	Ca_kabuli_chr08	14764091	AA	TT	1940428830
SNP_P1_164660_14764098	NC_021167.1	Ca_kabuli_chr08	14764098	CC	TT	1940428831
SNP_P1_164661_14764110	NC_021167.1	Ca_kabuli_chr08	14764110	GG	AA	1940428832
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SNP_P1_164663_14764168	NC_021167.1	Ca_kabuli_chr08	14764168	GG	AA	1940428834
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SNP_P1_164668_14764216	NC_021167.1	Ca_kabuli_chr08	14764216	TT	CC	1940428839
SNP_P1_164671_14764539	NC_021167.1	Ca_kabuli_chr08	14764539	CC	GG	1940428840
SNP_P1_164672_14764540	NC_021167.1	Ca_kabuli_chr08	14764540	AA	CC	1940428841
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SNP_P1_164674_14765009	NC_021167.1	Ca_kabuli_chr08	14765009	GG	AA	1940428843
SNP_P1_164675_14765313	NC_021167.1	Ca_kabuli_chr08	14765313	TT	CC	1940428844
SNP_P1_164676_14768129	NC_021167.1	Ca_kabuli_chr08	14768129	CC	TT	1940428845
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SNP_P1_164678_14768294	NC_021167.1	Ca_kabuli_chr08	14768294	CC	GG	1940428847
SNP_P1_164679_14770316	NC_021167.1	Ca_kabuli_chr08	14770316	GG	AA	1940428848
SNP_P1_164680_14770472	NC_021167.1	Ca_kabuli_chr08	14770472	CC	GG	1940428849
SNP_P1_164682_14770625	NC_021167.1	Ca_kabuli_chr08	14770625	TT	GG	1940428850
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164688_14772136	NC_021167.1	Ca_kabuli_chr08	14772136	GG	TT	1940428854
SNP_P1_164689_14772178	NC_021167.1	Ca_kabuli_chr08	14772178	CC	TT	1940428855
SNP_P1_164691_14772755	NC_021167.1	Ca_kabuli_chr08	14772755	TT	CC	1940428856
SNP_P1_164692_14772765	NC_021167.1	Ca_kabuli_chr08	14772765	GG	AA	1940428857
SNP_P1_164694_14773287	NC_021167.1	Ca_kabuli_chr08	14773287	AA	TT	1940428858
SNP_P1_164695_14773313	NC_021167.1	Ca_kabuli_chr08	14773313	TT	CC	1940428859
SNP_P1_164696_14774398	NC_021167.1	Ca_kabuli_chr08	14774398	GG	AA	1940428860
SNP_P1_164697_14774417	NC_021167.1	Ca_kabuli_chr08	14774417	TT	AA	1940428861
SNP_P1_164698_14774438	NC_021167.1	Ca_kabuli_chr08	14774438	AA	GG	1940428862
SNP_P1_164699_14774454	NC_021167.1	Ca_kabuli_chr08	14774454	AA	TT	1940428864
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SNP_P1_164702_14774896	NC_021167.1	Ca_kabuli_chr08	14774896	CC	TT	1940428867
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SNP_P1_164710_14777361	NC_021167.1	Ca_kabuli_chr08	14777361	TT	GG	1940428872
SNP_P1_164711_14777505	NC_021167.1	Ca_kabuli_chr08	14777505	GG	AA	1940428873
SNP_P1_164712_14777552	NC_021167.1	Ca_kabuli_chr08	14777552	CC	TT	1940428874
SNP_P1_164713_14777577	NC_021167.1	Ca_kabuli_chr08	14777577	AA	CC	1940428875
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SNP_P1_164720_14778120	NC_021167.1	Ca_kabuli_chr08	14778120	CC	TT	1940428881
SNP_P1_164721_14778129	NC_021167.1	Ca_kabuli_chr08	14778129	CC	TT	1940428882
SNP_P1_164722_14778141	NC_021167.1	Ca_kabuli_chr08	14778141	AA	GG	1940428883
SNP_P1_164723_14778192	NC_021167.1	Ca_kabuli_chr08	14778192	GG	TT	1940428884
SNP_P1_164724_14778234	NC_021167.1	Ca_kabuli_chr08	14778234	CC	TT	1940428885
SNP_P1_164725_14778259	NC_021167.1	Ca_kabuli_chr08	14778259	GG	TT	1940428886
SNP_P1_164726_14778260	NC_021167.1	Ca_kabuli_chr08	14778260	CC	TT	1940428887
SNP_P1_164727_14779674	NC_021167.1	Ca_kabuli_chr08	14779674	GG	AA	1940428888
SNP_P1_164728_14779681	NC_021167.1	Ca_kabuli_chr08	14779681	GG	AA	1940428889
SNP_P1_164729_14779778	NC_021167.1	Ca_kabuli_chr08	14779778	TT	AA	1940428890
SNP_P1_164730_14779818	NC_021167.1	Ca_kabuli_chr08	14779818	CC	AA	1940428891
SNP_P1_164731_14779819	NC_021167.1	Ca_kabuli_chr08	14779819	TT	GG	1940428892
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SNP_P1_164733_14779843	NC_021167.1	Ca_kabuli_chr08	14779843	CC	TT	1940428894

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164735_14780266	NC_021167.1	Ca_kabuli_chr08	14780266	TT	CC	1940428896
SNP_P1_164736_14780277	NC_021167.1	Ca_kabuli_chr08	14780277	GG	CC	1940428897
SNP_P1_164737_14780500	NC_021167.1	Ca_kabuli_chr08	14780500	AA	TT	1940428898
SNP_P1_164739_14780571	NC_021167.1	Ca_kabuli_chr08	14780571	AA	GG	1940428899
SNP_P1_164740_14780578	NC_021167.1	Ca_kabuli_chr08	14780578	TT	AA	1940428900
SNP_P1_164743_14781238	NC_021167.1	Ca_kabuli_chr08	14781238	TT	CC	1940428901
SNP_P1_164744_14781264	NC_021167.1	Ca_kabuli_chr08	14781264	TT	AA	1940428902
SNP_P1_164745_14781265	NC_021167.1	Ca_kabuli_chr08	14781265	AA	TT	1940428903
SNP_P1_164746_14781302	NC_021167.1	Ca_kabuli_chr08	14781302	TT	CC	1940428904
SNP_P1_164747_14781326	NC_021167.1	Ca_kabuli_chr08	14781326	TT	CC	1940428905
SNP_P1_164748_14782240	NC_021167.1	Ca_kabuli_chr08	14782240	AA	GG	1940428906
SNP_P1_164749_14782291	NC_021167.1	Ca_kabuli_chr08	14782291	TT	CC	1940428907
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SNP_P1_164751_14782327	NC_021167.1	Ca_kabuli_chr08	14782327	CC	TT	1940428909
SNP_P1_164753_14782821	NC_021167.1	Ca_kabuli_chr08	14782821	AA	GG	1940428910
SNP_P1_164754_14783036	NC_021167.1	Ca_kabuli_chr08	14783036	AA	GG	1940428911
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SNP_P1_164758_14783133	NC_021167.1	Ca_kabuli_chr08	14783133	CC	TT	1940428915
SNP_P1_164759_14783142	NC_021167.1	Ca_kabuli_chr08	14783142	AA	GG	1940428916
SNP_P1_164760_14783282	NC_021167.1	Ca_kabuli_chr08	14783282	AA	GG	1940428917
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SNP_P1_164764_14783383	NC_021167.1	Ca_kabuli_chr08	14783383	GG	CC	1940428920
SNP_P1_164765_14785293	NC_021167.1	Ca_kabuli_chr08	14785293	GG	AA	1940428921
SNP_P1_164766_14785755	NC_021167.1	Ca_kabuli_chr08	14785755	GG	CC	1940428922
SNP_P1_164769_14787768	NC_021167.1	Ca_kabuli_chr08	14787768	TT	AA	1940428923
SNP_P1_164770_14789383	NC_021167.1	Ca_kabuli_chr08	14789383	TT	CC	1940428924
SNP_P1_164771_14791052	NC_021167.1	Ca_kabuli_chr08	14791052	CC	GG	1940428925
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SNP_P1_164773_14794153	NC_021167.1	Ca_kabuli_chr08	14794153	CC	TT	1940428927
SNP_P1_164774_14794563	NC_021167.1	Ca_kabuli_chr08	14794563	GG	AA	1940428928
SNP_P1_164776_14797583	NC_021167.1	Ca_kabuli_chr08	14797583	CC	AA	1940428929
SNP_P1_164777_14798252	NC_021167.1	Ca_kabuli_chr08	14798252	TT	CC	1940428930
SNP_P1_164778_14798323	NC_021167.1	Ca_kabuli_chr08	14798323	TT	CC	1940428931
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SNP_P1_164780_14798819	NC_021167.1	Ca_kabuli_chr08	14798819	GG	TT	1940428933
SNP_P1_164781_14799005	NC_021167.1	Ca_kabuli_chr08	14799005	CC	TT	1940428934
SNP_P1_164782_14799008	NC_021167.1	Ca_kabuli_chr08	14799008	TT	CC	1940428935
SNP_P1_164783_14799819	NC_021167.1	Ca_kabuli_chr08	14799819	GG	AA	1940428936

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164786_14800569	NC_021167.1	Ca_kabuli_chr08	14800569	GG	AA	1940428939
SNP_P1_164787_14800573	NC_021167.1	Ca_kabuli_chr08	14800573	AA	GG	1940428940
SNP_P1_164788_14800588	NC_021167.1	Ca_kabuli_chr08	14800588	GG	AA	1940428941
SNP_P1_164790_14801426	NC_021167.1	Ca_kabuli_chr08	14801426	CC	TT	1940428942
SNP_P1_164791_14801872	NC_021167.1	Ca_kabuli_chr08	14801872	AA	GG	1940428943
SNP_P1_164792_14801881	NC_021167.1	Ca_kabuli_chr08	14801881	TT	AA	1940428944
SNP_P1_164793_14801951	NC_021167.1	Ca_kabuli_chr08	14801951	AA	TT	1940428945
SNP_P1_164794_14802318	NC_021167.1	Ca_kabuli_chr08	14802318	AA	GG	1940428946
SNP_P1_164796_14802886	NC_021167.1	Ca_kabuli_chr08	14802886	CC	TT	1940428947
SNP_P1_164797_14803489	NC_021167.1	Ca_kabuli_chr08	14803489	AA	GG	1940428948
SNP_P1_164798_14803607	NC_021167.1	Ca_kabuli_chr08	14803607	GG	AA	1940428949
SNP_P1_164799_14803624	NC_021167.1	Ca_kabuli_chr08	14803624	TT	GG	1940428950
SNP_P1_164800_14803643	NC_021167.1	Ca_kabuli_chr08	14803643	TT	AA	1940428951
SNP_P1_164801_14803850	NC_021167.1	Ca_kabuli_chr08	14803850	CC	TT	1940428952
SNP_P1_164802_14803988	NC_021167.1	Ca_kabuli_chr08	14803988	GG	AA	1940428953
SNP_P1_164803_14804248	NC_021167.1	Ca_kabuli_chr08	14804248	GG	AA	1940428954
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SNP_P1_164806_14806498	NC_021167.1	Ca_kabuli_chr08	14806498	AA	GG	1940428957
SNP_P1_164809_14807410	NC_021167.1	Ca_kabuli_chr08	14807410	AA	CC	1940428958
SNP_P1_164810_14807756	NC_021167.1	Ca_kabuli_chr08	14807756	AA	TT	1940428959
SNP_P1_164811_14807853	NC_021167.1	Ca_kabuli_chr08	14807853	GG	AA	1940428960
SNP_P1_164813_14808018	NC_021167.1	Ca_kabuli_chr08	14808018	AA	TT	1940428961
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SNP_P1_164816_14808193	NC_021167.1	Ca_kabuli_chr08	14808193	CC	AA	1940428964
SNP_P1_164817_14808240	NC_021167.1	Ca_kabuli_chr08	14808240	AA	GG	1940428965
SNP_P1_164819_14808823	NC_021167.1	Ca_kabuli_chr08	14808823	GG	AA	1940428966
SNP_P1_164820_14812272	NC_021167.1	Ca_kabuli_chr08	14812272	AA	TT	1940428967
SNP_P1_164821_14812281	NC_021167.1	Ca_kabuli_chr08	14812281	AA	GG	1940428968
SNP_P1_164822_14813023	NC_021167.1	Ca_kabuli_chr08	14813023	AA	CC	1940428969
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SNP_P1_164824_14813025	NC_021167.1	Ca_kabuli_chr08	14813025	CC	TT	1940428971
SNP_P1_164825_14813032	NC_021167.1	Ca_kabuli_chr08	14813032	GG	CC	1940428972
SNP_P1_164826_14813038	NC_021167.1	Ca_kabuli_chr08	14813038	GG	AA	1940428973
SNP_P1_164827_14813047	NC_021167.1	Ca_kabuli_chr08	14813047	AA	CC	1940428974
SNP_P1_164828_14813059	NC_021167.1	Ca_kabuli_chr08	14813059	AA	GG	1940428975
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SNP_P1_164831_14813690	NC_021167.1	Ca_kabuli_chr08	14813690	TT	CC	1940428977
SNP_P1_164832_14813713	NC_021167.1	Ca_kabuli_chr08	14813713	TT	AA	1940428978

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164836_14814368	NC_021167.1	Ca_kabuli_chr08	14814368	CC	TT	1940428981
SNP_P1_164837_14814805	NC_021167.1	Ca_kabuli_chr08	14814805	AA	GG	1940428982
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SNP_P1_164840_14817084	NC_021167.1	Ca_kabuli_chr08	14817084	CC	TT	1940428984
SNP_P1_164841_14817102	NC_021167.1	Ca_kabuli_chr08	14817102	GG	CC	1940428985
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SNP_P1_164843_14817116	NC_021167.1	Ca_kabuli_chr08	14817116	TT	CC	1940428987
SNP_P1_164844_14817117	NC_021167.1	Ca_kabuli_chr08	14817117	CC	TT	1940428988
SNP_P1_164845_14817139	NC_021167.1	Ca_kabuli_chr08	14817139	GG	AA	1940428989
SNP_P1_164847_14817158	NC_021167.1	Ca_kabuli_chr08	14817158	TT	CC	1940428990
SNP_P1_164848_14817163	NC_021167.1	Ca_kabuli_chr08	14817163	GG	AA	1940428991
SNP_P1_164850_14818067	NC_021167.1	Ca_kabuli_chr08	14818067	AA	TT	1940428992
SNP_P1_164851_14818287	NC_021167.1	Ca_kabuli_chr08	14818287	TT	CC	1940428993
SNP_P1_164852_14818292	NC_021167.1	Ca_kabuli_chr08	14818292	AA	TT	1940428994
SNP_P1_164854_14821075	NC_021167.1	Ca_kabuli_chr08	14821075	GG	AA	1940428995
SNP_P1_164855_14821083	NC_021167.1	Ca_kabuli_chr08	14821083	GG	AA	1940428996
SNP_P1_164856_14821102	NC_021167.1	Ca_kabuli_chr08	14821102	TT	AA	1940428997
SNP_P1_164857_14821553	NC_021167.1	Ca_kabuli_chr08	14821553	TT	CC	1940428998
SNP_P1_164858_14821619	NC_021167.1	Ca_kabuli_chr08	14821619	TT	CC	1940428999
SNP_P1_164859_14821620	NC_021167.1	Ca_kabuli_chr08	14821620	AA	TT	1940429000
SNP_P1_164860_14821644	NC_021167.1	Ca_kabuli_chr08	14821644	AA	TT	1940429001
SNP_P1_164861_14821753	NC_021167.1	Ca_kabuli_chr08	14821753	GG	AA	1940429002
SNP_P1_164862_14821798	NC_021167.1	Ca_kabuli_chr08	14821798	GG	AA	1940429003
SNP_P1_164863_14821801	NC_021167.1	Ca_kabuli_chr08	14821801	GG	AA	1940429004
SNP_P1_164864_14822363	NC_021167.1	Ca_kabuli_chr08	14822363	AA	GG	1940429005
SNP_P1_164865_14823637	NC_021167.1	Ca_kabuli_chr08	14823637	AA	GG	1940429006
SNP_P1_164866_14824133	NC_021167.1	Ca_kabuli_chr08	14824133	AA	GG	1940429007
SNP_P1_164867_14824355	NC_021167.1	Ca_kabuli_chr08	14824355	TT	CC	1940429008
SNP_P1_164868_14824385	NC_021167.1	Ca_kabuli_chr08	14824385	TT	CC	1940429009
SNP_P1_164869_14852176	NC_021167.1	Ca_kabuli_chr08	14852176	AA	CC	1940429010
SNP_P1_164870_14852204	NC_021167.1	Ca_kabuli_chr08	14852204	GG	AA	1940429011
SNP_P1_164871_14852208	NC_021167.1	Ca_kabuli_chr08	14852208	AA	GG	1940429012
SNP_P1_164872_14859304	NC_021167.1	Ca_kabuli_chr08	14859304	CC	TT	1940429013
SNP_P1_164873_14866748	NC_021167.1	Ca_kabuli_chr08	14866748	TT	CC	1940429014
SNP_P1_164874_14871974	NC_021167.1	Ca_kabuli_chr08	14871974	TT	CC	1940429015
SNP_P1_164875_14883324	NC_021167.1	Ca_kabuli_chr08	14883324	GG	AA	1940429017
SNP_P1_164876_14883521	NC_021167.1	Ca_kabuli_chr08	14883521	GG	TT	1940429018
SNP_P1_164877_14885432	NC_021167.1	Ca_kabuli_chr08	14885432	AA	TT	1940429019
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SNP_P1_164879_14888214	NC_021167.1	Ca_kabuli_chr08	14888214	GG	CC	1940429021

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164882_14912326	NC_021167.1	Ca_kabuli_chr08	14912326	CC	TT	1940429023
SNP_P1_164885_14931200	NC_021167.1	Ca_kabuli_chr08	14931200	GG	TT	1940429024
SNP_P1_164889_14934933	NC_021167.1	Ca_kabuli_chr08	14934933	AA	CC	1940429025
SNP_P1_164890_14941368	NC_021167.1	Ca_kabuli_chr08	14941368	TT	CC	1940429026
SNP_P1_164892_14970874	NC_021167.1	Ca_kabuli_chr08	14970874	GG	CC	1940429027
SNP_P1_164895_14989500	NC_021167.1	Ca_kabuli_chr08	14989500	AA	CC	1940429028
SNP_P1_164897_15013261	NC_021167.1	Ca_kabuli_chr08	15013261	CC	TT	1940429029
SNP_P1_164898_15022913	NC_021167.1	Ca_kabuli_chr08	15022913	TT	CC	1940429030
SNP_P1_164899_15023864	NC_021167.1	Ca_kabuli_chr08	15023864	GG	AA	1940429031
SNP_P1_164900_15041027	NC_021167.1	Ca_kabuli_chr08	15041027	TT	CC	1940429032
SNP_P1_164902_15052119	NC_021167.1	Ca_kabuli_chr08	15052119	TT	CC	1940429033
SNP_P1_164903_15052647	NC_021167.1	Ca_kabuli_chr08	15052647	GG	TT	1940429034
SNP_P1_164904_15052701	NC_021167.1	Ca_kabuli_chr08	15052701	TT	CC	1940429035
SNP_P1_164905_15053169	NC_021167.1	Ca_kabuli_chr08	15053169	TT	GG	1940429036
SNP_P1_164906_15054260	NC_021167.1	Ca_kabuli_chr08	15054260	CC	TT	1940429037
SNP_P1_164907_15055797	NC_021167.1	Ca_kabuli_chr08	15055797	TT	GG	1940429038
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SNP_P1_164909_15059197	NC_021167.1	Ca_kabuli_chr08	15059197	AA	TT	1940429040
SNP_P1_164910_15071316	NC_021167.1	Ca_kabuli_chr08	15071316	TT	CC	1940429041
SNP_P1_164911_15072741	NC_021167.1	Ca_kabuli_chr08	15072741	CC	AA	1940429042
SNP_P1_164912_15093148	NC_021167.1	Ca_kabuli_chr08	15093148	AA	GG	1940429043
SNP_P1_164914_15112971	NC_021167.1	Ca_kabuli_chr08	15112971	TT	AA	1940429044
SNP_P1_164915_15112994	NC_021167.1	Ca_kabuli_chr08	15112994	TT	GG	1940429045
SNP_P1_164916_15113010	NC_021167.1	Ca_kabuli_chr08	15113010	TT	GG	1940429046
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SNP_P1_164921_15131175	NC_021167.1	Ca_kabuli_chr08	15131175	AA	GG	1940429050
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SNP_P1_164923_15156147	NC_021167.1	Ca_kabuli_chr08	15156147	GG	AA	1940429052
SNP_P1_164924_15156203	NC_021167.1	Ca_kabuli_chr08	15156203	TT	GG	1940429053
SNP_P1_164925_15156319	NC_021167.1	Ca_kabuli_chr08	15156319	GG	AA	1940429054
SNP_P1_164926_15162146	NC_021167.1	Ca_kabuli_chr08	15162146	AA	GG	1940429055
SNP_P1_164928_15162431	NC_021167.1	Ca_kabuli_chr08	15162431	GG	CC	1940429056
SNP_P1_164929_15162474	NC_021167.1	Ca_kabuli_chr08	15162474	TT	GG	1940429057
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SNP_P1_164931_15176199	NC_021167.1	Ca_kabuli_chr08	15176199	AA	CC	1940429059
SNP_P1_164932_15176201	NC_021167.1	Ca_kabuli_chr08	15176201	AA	TT	1940429060
SNP_P1_164934_15199932	NC_021167.1	Ca_kabuli_chr08	15199932	TT	CC	1940429061
SNP_P1_164935_15266554	NC_021167.1	Ca_kabuli_chr08	15266554	GG	CC	1940429062
SNP_P1_164936_15266718	NC_021167.1	Ca_kabuli_chr08	15266718	TT	CC	1940429063

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164941_15292666	NC_021167.1	Ca_kabuli_chr08	15292666	TT	CC	1940429065
SNP_P1_164942_15294310	NC_021167.1	Ca_kabuli_chr08	15294310	GG	AA	1940429066
SNP_P1_164943_15295273	NC_021167.1	Ca_kabuli_chr08	15295273	CC	TT	1940429067
SNP_P1_164944_15296545	NC_021167.1	Ca_kabuli_chr08	15296545	CC	TT	1940429068
SNP_P1_164946_15309649	NC_021167.1	Ca_kabuli_chr08	15309649	GG	AA	1940429069
SNP_P1_164947_15313912	NC_021167.1	Ca_kabuli_chr08	15313912	TT	CC	1940429070
SNP_P1_164948_15314133	NC_021167.1	Ca_kabuli_chr08	15314133	TT	AA	1940429071
SNP_P1_164949_15314175	NC_021167.1	Ca_kabuli_chr08	15314175	AA	GG	1940429072
SNP_P1_164950_15314185	NC_021167.1	Ca_kabuli_chr08	15314185	AA	CC	1940429073
SNP_P1_164951_15314295	NC_021167.1	Ca_kabuli_chr08	15314295	CC	TT	1940429074
SNP_P1_164952_15314322	NC_021167.1	Ca_kabuli_chr08	15314322	TT	GG	1940429075
SNP_P1_164953_15314343	NC_021167.1	Ca_kabuli_chr08	15314343	GG	AA	1940429076
SNP_P1_164954_15314419	NC_021167.1	Ca_kabuli_chr08	15314419	TT	CC	1940429077
SNP_P1_164956_15317936	NC_021167.1	Ca_kabuli_chr08	15317936	CC	AA	1940429078
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SNP_P1_164958_15342248	NC_021167.1	Ca_kabuli_chr08	15342248	AA	TT	1940429080
SNP_P1_164959_15343861	NC_021167.1	Ca_kabuli_chr08	15343861	CC	TT	1940429081
SNP_P1_164960_15348586	NC_021167.1	Ca_kabuli_chr08	15348586	CC	GG	1940429082
SNP_P1_164961_15348918	NC_021167.1	Ca_kabuli_chr08	15348918	GG	AA	1940429083
SNP_P1_164962_15349031	NC_021167.1	Ca_kabuli_chr08	15349031	TT	CC	1940429084
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SNP_P1_164964_15349123	NC_021167.1	Ca_kabuli_chr08	15349123	AA	GG	1940429086
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SNP_P1_164969_15416678	NC_021167.1	Ca_kabuli_chr08	15416678	GG	TT	1940429089
SNP_P1_164971_15437730	NC_021167.1	Ca_kabuli_chr08	15437730	GG	AA	1940429090
SNP_P1_164973_15450700	NC_021167.1	Ca_kabuli_chr08	15450700	GG	AA	1940429091
SNP_P1_164975_15457936	NC_021167.1	Ca_kabuli_chr08	15457936	AA	GG	1940429092
SNP_P1_164977_15502449	NC_021167.1	Ca_kabuli_chr08	15502449	CC	TT	1940429093
SNP_P1_164978_15511932	NC_021167.1	Ca_kabuli_chr08	15511932	CC	TT	1940429094
SNP_P1_164980_15527988	NC_021167.1	Ca_kabuli_chr08	15527988	AA	TT	1940429095
SNP_P1_164981_15532407	NC_021167.1	Ca_kabuli_chr08	15532407	TT	CC	1940429096
SNP_P1_164984_15569392	NC_021167.1	Ca_kabuli_chr08	15569392	AA	TT	1940429097
SNP_P1_164985_15576984	NC_021167.1	Ca_kabuli_chr08	15576984	AA	GG	1940429098
SNP_P1_164986_15577101	NC_021167.1	Ca_kabuli_chr08	15577101	AA	TT	1940429099
SNP_P1_164987_15577292	NC_021167.1	Ca_kabuli_chr08	15577292	AA	CC	1940429100
SNP_P1_164988_15577828	NC_021167.1	Ca_kabuli_chr08	15577828	CC	GG	1940429101
SNP_P1_164989_15577833	NC_021167.1	Ca_kabuli_chr08	15577833	CC	AA	1940429102
SNP_P1_164990_15577841	NC_021167.1	Ca_kabuli_chr08	15577841	AA	CC	1940429103
SNP_P1_164992_15577907	NC_021167.1	Ca_kabuli_chr08	15577907	TT	CC	1940429104
SNP_P1_164993_15578042	NC_021167.1	Ca_kabuli_chr08	15578042	CC	TT	1940429105

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_164996_15578922	NC_021167.1	Ca_kabuli_chr08	15578922	TT	CC	1940429107
SNP_P1_164997_15579015	NC_021167.1	Ca_kabuli_chr08	15579015	AA	TT	1940429108
SNP_P1_164998_15579335	NC_021167.1	Ca_kabuli_chr08	15579335	GG	TT	1940429109
SNP_P1_164999_15579728	NC_021167.1	Ca_kabuli_chr08	15579728	AA	GG	1940429110
SNP_P1_165000_15579799	NC_021167.1	Ca_kabuli_chr08	15579799	GG	AA	1940429111
SNP_P1_165002_15580146	NC_021167.1	Ca_kabuli_chr08	15580146	TT	CC	1940429112
SNP_P1_165003_15580638	NC_021167.1	Ca_kabuli_chr08	15580638	AA	GG	1940429113
SNP_P1_165004_15580665	NC_021167.1	Ca_kabuli_chr08	15580665	TT	CC	1940429114
SNP_P1_165005_15591273	NC_021167.1	Ca_kabuli_chr08	15591273	GG	AA	1940429115
SNP_P1_165006_15602326	NC_021167.1	Ca_kabuli_chr08	15602326	AA	GG	1940429116
SNP_P1_165007_15612879	NC_021167.1	Ca_kabuli_chr08	15612879	TT	CC	1940429117
SNP_P1_165008_15635425	NC_021167.1	Ca_kabuli_chr08	15635425	GG	TT	1940429118
SNP_P1_165009_15635459	NC_021167.1	Ca_kabuli_chr08	15635459	GG	CC	1940429119
SNP_P1_165010_15635519	NC_021167.1	Ca_kabuli_chr08	15635519	AA	TT	1940429120
SNP_P1_165012_15657636	NC_021167.1	Ca_kabuli_chr08	15657636	CC	TT	1940429121
SNP_P1_165013_15657692	NC_021167.1	Ca_kabuli_chr08	15657692	TT	CC	1940429122
SNP_P1_165015_15671603	NC_021167.1	Ca_kabuli_chr08	15671603	AA	GG	1940429123
SNP_P1_165016_15681858	NC_021167.1	Ca_kabuli_chr08	15681858	GG	TT	1940429124
SNP_P1_165017_15682052	NC_021167.1	Ca_kabuli_chr08	15682052	CC	GG	1940429125
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SNP_P1_165019_15684835	NC_021167.1	Ca_kabuli_chr08	15684835	AA	GG	1940429127
SNP_P1_165020_15684918	NC_021167.1	Ca_kabuli_chr08	15684918	CC	GG	1940429128
SNP_P1_165021_15685083	NC_021167.1	Ca_kabuli_chr08	15685083	TT	CC	1940429129
SNP_P1_165022_15685156	NC_021167.1	Ca_kabuli_chr08	15685156	AA	GG	1940429130
SNP_P1_165024_15685308	NC_021167.1	Ca_kabuli_chr08	15685308	TT	CC	1940429131
SNP_P1_165026_15685414	NC_021167.1	Ca_kabuli_chr08	15685414	CC	TT	1940429132
SNP_P1_165028_15685663	NC_021167.1	Ca_kabuli_chr08	15685663	TT	CC	1940429133
SNP_P1_165029_15685773	NC_021167.1	Ca_kabuli_chr08	15685773	AA	GG	1940429134
SNP_P1_165032_15685922	NC_021167.1	Ca_kabuli_chr08	15685922	GG	CC	1940429135
SNP_P1_165033_15685952	NC_021167.1	Ca_kabuli_chr08	15685952	AA	GG	1940429136
SNP_P1_165034_15685957	NC_021167.1	Ca_kabuli_chr08	15685957	AA	GG	1940429137
SNP_P1_165035_15685998	NC_021167.1	Ca_kabuli_chr08	15685998	AA	GG	1940429138
SNP_P1_165036_15685999	NC_021167.1	Ca_kabuli_chr08	15685999	AA	TT	1940429139
SNP_P1_165037_15686000	NC_021167.1	Ca_kabuli_chr08	15686000	GG	CC	1940429140
SNP_P1_165038_15686004	NC_021167.1	Ca_kabuli_chr08	15686004	AA	TT	1940429141
SNP_P1_165039_15686009	NC_021167.1	Ca_kabuli_chr08	15686009	AA	TT	1940429142
SNP_P1_165042_15686012	NC_021167.1	Ca_kabuli_chr08	15686012	CC	AA	1940429143
SNP_P1_165043_15686013	NC_021167.1	Ca_kabuli_chr08	15686013	TT	AA	1940429144
SNP_P1_165044_15688206	NC_021167.1	Ca_kabuli_chr08	15688206	AA	TT	1940429145
SNP_P1_165045_15689022	NC_021167.1	Ca_kabuli_chr08	15689022	CC	TT	1940429146
SNP_P1_165046_15689034	NC_021167.1	Ca_kabuli_chr08	15689034	CC	TT	1940429147

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165049_15689673	NC_021167.1	Ca_kabuli_chr08	15689673	AA	CC	1940429150
SNP_P1_165050_15689741	NC_021167.1	Ca_kabuli_chr08	15689741	GG	AA	1940429151
SNP_P1_165051_15689756	NC_021167.1	Ca_kabuli_chr08	15689756	AA	GG	1940429152
SNP_P1_165052_15691056	NC_021167.1	Ca_kabuli_chr08	15691056	TT	CC	1940429153
SNP_P1_165053_15691466	NC_021167.1	Ca_kabuli_chr08	15691466	AA	GG	1940429154
SNP_P1_165054_15691700	NC_021167.1	Ca_kabuli_chr08	15691700	GG	AA	1940429155
SNP_P1_165055_15692070	NC_021167.1	Ca_kabuli_chr08	15692070	GG	AA	1940429156
SNP_P1_165056_15692243	NC_021167.1	Ca_kabuli_chr08	15692243	GG	AA	1940429157
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SNP_P1_165059_15732069	NC_021167.1	Ca_kabuli_chr08	15732069	TT	AA	1940429159
SNP_P1_165061_15734588	NC_021167.1	Ca_kabuli_chr08	15734588	AA	CC	1940429160
SNP_P1_165062_15743010	NC_021167.1	Ca_kabuli_chr08	15743010	AA	TT	1940429161
SNP_P1_165063_15743654	NC_021167.1	Ca_kabuli_chr08	15743654	GG	AA	1940429162
SNP_P1_165064_15750361	NC_021167.1	Ca_kabuli_chr08	15750361	GG	AA	1940429163
SNP_P1_165065_15767891	NC_021167.1	Ca_kabuli_chr08	15767891	AA	GG	1940429164
SNP_P1_165066_15768151	NC_021167.1	Ca_kabuli_chr08	15768151	AA	GG	1940429165
SNP_P1_165067_15768160	NC_021167.1	Ca_kabuli_chr08	15768160	AA	GG	1940429166
SNP_P1_165070_15788987	NC_021167.1	Ca_kabuli_chr08	15788987	AA	CC	1940429167
SNP_P1_165071_15788989	NC_021167.1	Ca_kabuli_chr08	15788989	TT	CC	1940429168
SNP_P1_165072_15789602	NC_021167.1	Ca_kabuli_chr08	15789602	GG	AA	1940429170
SNP_P1_165073_15789746	NC_021167.1	Ca_kabuli_chr08	15789746	AA	GG	1940429171
SNP_P1_165074_15790041	NC_021167.1	Ca_kabuli_chr08	15790041	AA	GG	1940429172
SNP_P1_165075_15790076	NC_021167.1	Ca_kabuli_chr08	15790076	TT	AA	1940429173
SNP_P1_165076_15790122	NC_021167.1	Ca_kabuli_chr08	15790122	GG	TT	1940429174
SNP_P1_165077_15790970	NC_021167.1	Ca_kabuli_chr08	15790970	CC	TT	1940429175
SNP_P1_165078_15791064	NC_021167.1	Ca_kabuli_chr08	15791064	TT	CC	1940429176
SNP_P1_165079_15791080	NC_021167.1	Ca_kabuli_chr08	15791080	AA	GG	1940429177
SNP_P1_165080_15791130	NC_021167.1	Ca_kabuli_chr08	15791130	GG	TT	1940429178
SNP_P1_165081_15791181	NC_021167.1	Ca_kabuli_chr08	15791181	GG	AA	1940429179
SNP_P1_165082_15791206	NC_021167.1	Ca_kabuli_chr08	15791206	TT	CC	1940429180
SNP_P1_165084_15791360	NC_021167.1	Ca_kabuli_chr08	15791360	TT	AA	1940429181
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SNP_P1_165086_15791482	NC_021167.1	Ca_kabuli_chr08	15791482	AA	TT	1940429183
SNP_P1_165087_15791491	NC_021167.1	Ca_kabuli_chr08	15791491	TT	GG	1940429184
SNP_P1_165089_15802597	NC_021167.1	Ca_kabuli_chr08	15802597	TT	CC	1940429185
SNP_P1_165090_15814390	NC_021167.1	Ca_kabuli_chr08	15814390	CC	TT	1940429186
SNP_P1_165091_15821288	NC_021167.1	Ca_kabuli_chr08	15821288	AA	CC	1940429187
SNP_P1_165092_15821289	NC_021167.1	Ca_kabuli_chr08	15821289	AA	CC	1940429188
SNP_P1_165093_15827268	NC_021167.1	Ca_kabuli_chr08	15827268	CC	AA	1940429189
SNP_P1_165094_15829967	NC_021167.1	Ca_kabuli_chr08	15829967	GG	TT	1940429190

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165097_15850392	NC_021167.1	Ca_kabuli_chr08	15850392	GG	AA	1940429192
SNP_P1_165098_15850404	NC_021167.1	Ca_kabuli_chr08	15850404	AA	TT	1940429193
SNP_P1_165099_15850493	NC_021167.1	Ca_kabuli_chr08	15850493	AA	GG	1940429194
SNP_P1_165100_15850511	NC_021167.1	Ca_kabuli_chr08	15850511	AA	GG	1940429195
SNP_P1_165102_15850739	NC_021167.1	Ca_kabuli_chr08	15850739	GG	CC	1940429196
SNP_P1_165105_15880352	NC_021167.1	Ca_kabuli_chr08	15880352	TT	CC	1940429197
SNP_P1_165106_15880534	NC_021167.1	Ca_kabuli_chr08	15880534	TT	CC	1940429198
SNP_P1_165107_15880767	NC_021167.1	Ca_kabuli_chr08	15880767	AA	GG	1940429199
SNP_P1_165108_15880994	NC_021167.1	Ca_kabuli_chr08	15880994	AA	GG	1940429200
SNP_P1_165109_15881040	NC_021167.1	Ca_kabuli_chr08	15881040	TT	AA	1940429201
SNP_P1_165110_15881083	NC_021167.1	Ca_kabuli_chr08	15881083	GG	AA	1940429202
SNP_P1_165111_15881270	NC_021167.1	Ca_kabuli_chr08	15881270	GG	TT	1940429203
SNP_P1_165112_15881277	NC_021167.1	Ca_kabuli_chr08	15881277	GG	AA	1940429204
SNP_P1_165113_15881296	NC_021167.1	Ca_kabuli_chr08	15881296	AA	GG	1940429205
SNP_P1_165114_15881337	NC_021167.1	Ca_kabuli_chr08	15881337	GG	TT	1940429206
SNP_P1_165115_15881342	NC_021167.1	Ca_kabuli_chr08	15881342	CC	GG	1940429207
SNP_P1_165116_15881376	NC_021167.1	Ca_kabuli_chr08	15881376	AA	GG	1940429208
SNP_P1_165117_15881430	NC_021167.1	Ca_kabuli_chr08	15881430	GG	AA	1940429209
SNP_P1_165118_15881572	NC_021167.1	Ca_kabuli_chr08	15881572	AA	GG	1940429210
SNP_P1_165119_15881589	NC_021167.1	Ca_kabuli_chr08	15881589	CC	GG	1940429211
SNP_P1_165120_15881624	NC_021167.1	Ca_kabuli_chr08	15881624	CC	TT	1940429212
SNP_P1_165121_15881640	NC_021167.1	Ca_kabuli_chr08	15881640	GG	AA	1940429213
SNP_P1_165123_15882028	NC_021167.1	Ca_kabuli_chr08	15882028	CC	GG	1940429214
SNP_P1_165124_15882556	NC_021167.1	Ca_kabuli_chr08	15882556	GG	AA	1940429215
SNP_P1_165125_15882599	NC_021167.1	Ca_kabuli_chr08	15882599	GG	AA	1940429216
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SNP_P1_165129_15883378	NC_021167.1	Ca_kabuli_chr08	15883378	GG	TT	1940429219
SNP_P1_165132_15891404	NC_021167.1	Ca_kabuli_chr08	15891404	TT	CC	1940429220
SNP_P1_165134_15891703	NC_021167.1	Ca_kabuli_chr08	15891703	GG	AA	1940429221
SNP_P1_165135_15892340	NC_021167.1	Ca_kabuli_chr08	15892340	GG	TT	1940429222
SNP_P1_165136_15892388	NC_021167.1	Ca_kabuli_chr08	15892388	TT	CC	1940429223
SNP_P1_165138_15892424	NC_021167.1	Ca_kabuli_chr08	15892424	GG	TT	1940429224
SNP_P1_165139_15892437	NC_021167.1	Ca_kabuli_chr08	15892437	CC	TT	1940429225
SNP_P1_165140_15892468	NC_021167.1	Ca_kabuli_chr08	15892468	CC	GG	1940429226
SNP_P1_165141_15892506	NC_021167.1	Ca_kabuli_chr08	15892506	GG	TT	1940429227
SNP_P1_165142_15892608	NC_021167.1	Ca_kabuli_chr08	15892608	TT	CC	1940429228
SNP_P1_165143_15892746	NC_021167.1	Ca_kabuli_chr08	15892746	CC	AA	1940429229
SNP_P1_165145_15892808	NC_021167.1	Ca_kabuli_chr08	15892808	TT	GG	1940429230
SNP_P1_165146_15892859	NC_021167.1	Ca_kabuli_chr08	15892859	GG	TT	1940429231
SNP_P1_165147_15892998	NC_021167.1	Ca_kabuli_chr08	15892998	AA	TT	1940429232

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165150_15893369	NC_021167.1	Ca_kabuli_chr08	15893369	AA	CC	1940429234
SNP_P1_165151_15893821	NC_021167.1	Ca_kabuli_chr08	15893821	TT	CC	1940429235
SNP_P1_165152_15894675	NC_021167.1	Ca_kabuli_chr08	15894675	AA	GG	1940429236
SNP_P1_165154_15895767	NC_021167.1	Ca_kabuli_chr08	15895767	AA	TT	1940429237
SNP_P1_165155_15895779	NC_021167.1	Ca_kabuli_chr08	15895779	TT	CC	1940429238
SNP_P1_165156_15895810	NC_021167.1	Ca_kabuli_chr08	15895810	GG	AA	1940429239
SNP_P1_165157_15895834	NC_021167.1	Ca_kabuli_chr08	15895834	TT	GG	1940429240
SNP_P1_165158_15895835	NC_021167.1	Ca_kabuli_chr08	15895835	AA	GG	1940429241
SNP_P1_165159_15896010	NC_021167.1	Ca_kabuli_chr08	15896010	TT	AA	1940429242
SNP_P1_165160_15896202	NC_021167.1	Ca_kabuli_chr08	15896202	AA	TT	1940429243
SNP_P1_165161_15896219	NC_021167.1	Ca_kabuli_chr08	15896219	GG	AA	1940429244
SNP_P1_165162_15896356	NC_021167.1	Ca_kabuli_chr08	15896356	AA	GG	1940429245
SNP_P1_165163_15897412	NC_021167.1	Ca_kabuli_chr08	15897412	GG	AA	1940429246
SNP_P1_165164_15897420	NC_021167.1	Ca_kabuli_chr08	15897420	CC	GG	1940429247
SNP_P1_165165_15897593	NC_021167.1	Ca_kabuli_chr08	15897593	AA	GG	1940429248
SNP_P1_165166_15897621	NC_021167.1	Ca_kabuli_chr08	15897621	AA	GG	1940429249
SNP_P1_165167_15897639	NC_021167.1	Ca_kabuli_chr08	15897639	AA	GG	1940429250
SNP_P1_165168_15897670	NC_021167.1	Ca_kabuli_chr08	15897670	GG	AA	1940429251
SNP_P1_165169_15897753	NC_021167.1	Ca_kabuli_chr08	15897753	CC	AA	1940429252
SNP_P1_165170_15897818	NC_021167.1	Ca_kabuli_chr08	15897818	GG	AA	1940429253
SNP_P1_165171_15897932	NC_021167.1	Ca_kabuli_chr08	15897932	CC	TT	1940429254
SNP_P1_165173_15899251	NC_021167.1	Ca_kabuli_chr08	15899251	CC	GG	1940429255
SNP_P1_165174_15899257	NC_021167.1	Ca_kabuli_chr08	15899257	GG	CC	1940429256
SNP_P1_165176_15918519	NC_021167.1	Ca_kabuli_chr08	15918519	AA	CC	1940429257
SNP_P1_165177_15918537	NC_021167.1	Ca_kabuli_chr08	15918537	GG	AA	1940429258
SNP_P1_165179_15918893	NC_021167.1	Ca_kabuli_chr08	15918893	GG	TT	1940429259
SNP_P1_165180_15919081	NC_021167.1	Ca_kabuli_chr08	15919081	CC	GG	1940429260
SNP_P1_165182_15921336	NC_021167.1	Ca_kabuli_chr08	15921336	AA	GG	1940429261
SNP_P1_165183_15921425	NC_021167.1	Ca_kabuli_chr08	15921425	CC	TT	1940429262
SNP_P1_165184_15921617	NC_021167.1	Ca_kabuli_chr08	15921617	AA	GG	1940429263
SNP_P1_165185_15922248	NC_021167.1	Ca_kabuli_chr08	15922248	AA	CC	1940429264
SNP_P1_165186_15923633	NC_021167.1	Ca_kabuli_chr08	15923633	CC	TT	1940429265
SNP_P1_165187_15923873	NC_021167.1	Ca_kabuli_chr08	15923873	AA	GG	1940429266
SNP_P1_165188_15926061	NC_021167.1	Ca_kabuli_chr08	15926061	TT	CC	1940429267
SNP_P1_165189_15928714	NC_021167.1	Ca_kabuli_chr08	15928714	AA	GG	1940429268
SNP_P1_165190_15930068	NC_021167.1	Ca_kabuli_chr08	15930068	CC	AA	1940429269
SNP_P1_165191_15930288	NC_021167.1	Ca_kabuli_chr08	15930288	AA	GG	1940429270
SNP_P1_165192_15930597	NC_021167.1	Ca_kabuli_chr08	15930597	GG	AA	1940429271
SNP_P1_165194_15952640	NC_021167.1	Ca_kabuli_chr08	15952640	AA	GG	1940429272
SNP_P1_165195_15972217	NC_021167.1	Ca_kabuli_chr08	15972217	TT	AA	1940429273
SNP_P1_165196_15972283	NC_021167.1	Ca_kabuli_chr08	15972283	AA	CC	1940429274

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165198_15972397	NC_021167.1	Ca_kabuli_chr08	15972397	CC	TT	1940429276
SNP_P1_165199_15972407	NC_021167.1	Ca_kabuli_chr08	15972407	TT	AA	1940429277
SNP_P1_165200_15972493	NC_021167.1	Ca_kabuli_chr08	15972493	TT	CC	1940429278
SNP_P1_165201_15972502	NC_021167.1	Ca_kabuli_chr08	15972502	CC	AA	1940429279
SNP_P1_165202_15972510	NC_021167.1	Ca_kabuli_chr08	15972510	TT	AA	1940429280
SNP_P1_165203_15972680	NC_021167.1	Ca_kabuli_chr08	15972680	AA	TT	1940429281
SNP_P1_165204_15972683	NC_021167.1	Ca_kabuli_chr08	15972683	TT	CC	1940429282
SNP_P1_165205_15972684	NC_021167.1	Ca_kabuli_chr08	15972684	CC	AA	1940429283
SNP_P1_165206_15972686	NC_021167.1	Ca_kabuli_chr08	15972686	AA	GG	1940429284
SNP_P1_165207_15972719	NC_021167.1	Ca_kabuli_chr08	15972719	GG	TT	1940429285
SNP_P1_165208_15972754	NC_021167.1	Ca_kabuli_chr08	15972754	GG	AA	1940429286
SNP_P1_165209_15972759	NC_021167.1	Ca_kabuli_chr08	15972759	GG	AA	1940429287
SNP_P1_165210_15972768	NC_021167.1	Ca_kabuli_chr08	15972768	AA	CC	1940429288
SNP_P1_165211_15972809	NC_021167.1	Ca_kabuli_chr08	15972809	AA	GG	1940429289
SNP_P1_165212_15972816	NC_021167.1	Ca_kabuli_chr08	15972816	TT	AA	1940429290
SNP_P1_165213_15972837	NC_021167.1	Ca_kabuli_chr08	15972837	AA	CC	1940429291
SNP_P1_165214_15972856	NC_021167.1	Ca_kabuli_chr08	15972856	GG	TT	1940429292
SNP_P1_165215_15972910	NC_021167.1	Ca_kabuli_chr08	15972910	AA	GG	1940429293
SNP_P1_165216_15972917	NC_021167.1	Ca_kabuli_chr08	15972917	AA	GG	1940429294
SNP_P1_165218_15976582	NC_021167.1	Ca_kabuli_chr08	15976582	GG	AA	1940429295
SNP_P1_165219_15988634	NC_021167.1	Ca_kabuli_chr08	15988634	TT	AA	1940429296
SNP_P1_165220_15999059	NC_021167.1	Ca_kabuli_chr08	15999059	CC	TT	1940429297
SNP_P1_165221_16000359	NC_021167.1	Ca_kabuli_chr08	16000359	CC	TT	1940429298
SNP_P1_165222_16029011	NC_021167.1	Ca_kabuli_chr08	16029011	CC	TT	1940429299
SNP_P1_165224_16058386	NC_021167.1	Ca_kabuli_chr08	16058386	GG	AA	1940429300
SNP_P1_165226_16093220	NC_021167.1	Ca_kabuli_chr08	16093220	GG	AA	1940429301
SNP_P1_165227_16100344	NC_021167.1	Ca_kabuli_chr08	16100344	CC	TT	1940429302
SNP_P1_165228_16125567	NC_021167.1	Ca_kabuli_chr08	16125567	CC	TT	1940429303
SNP_P1_165230_16204215	NC_021167.1	Ca_kabuli_chr08	16204215	CC	TT	1940429304
SNP_P1_165231_16212731	NC_021167.1	Ca_kabuli_chr08	16212731	AA	TT	1940429305
SNP_P1_165232_16212770	NC_021167.1	Ca_kabuli_chr08	16212770	AA	GG	1940429306
SNP_P1_165233_16212786	NC_021167.1	Ca_kabuli_chr08	16212786	TT	GG	1940429307
SNP_P1_165234_16213163	NC_021167.1	Ca_kabuli_chr08	16213163	AA	TT	1940429308
SNP_P1_165235_16213270	NC_021167.1	Ca_kabuli_chr08	16213270	TT	CC	1940429309
SNP_P1_165236_16213280	NC_021167.1	Ca_kabuli_chr08	16213280	GG	TT	1940429310
SNP_P1_165237_16213286	NC_021167.1	Ca_kabuli_chr08	16213286	AA	GG	1940429311
SNP_P1_165238_16213389	NC_021167.1	Ca_kabuli_chr08	16213389	CC	TT	1940429312
SNP_P1_165239_16213398	NC_021167.1	Ca_kabuli_chr08	16213398	CC	GG	1940429313
SNP_P1_165240_16252788	NC_021167.1	Ca_kabuli_chr08	16252788	AA	CC	1940429314
SNP_P1_165241_16253120	NC_021167.1	Ca_kabuli_chr08	16253120	GG	AA	1940429315
SNP_P1_165242_16253814	NC_021167.1	Ca_kabuli_chr08	16253814	AA	GG	1940429316

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165246_16297495	NC_021167.1	Ca_kabuli_chr08	16297495	TT	CC	1940429319
SNP_P1_165247_16314817	NC_021167.1	Ca_kabuli_chr08	16314817	AA	TT	1940429320
SNP_P1_165248_16314828	NC_021167.1	Ca_kabuli_chr08	16314828	AA	GG	1940429321
SNP_P1_165249_16314835	NC_021167.1	Ca_kabuli_chr08	16314835	CC	TT	1940429323
SNP_P1_165250_16314843	NC_021167.1	Ca_kabuli_chr08	16314843	CC	TT	1940429324
SNP_P1_165251_16314906	NC_021167.1	Ca_kabuli_chr08	16314906	AA	GG	1940429325
SNP_P1_165255_16315165	NC_021167.1	Ca_kabuli_chr08	16315165	AA	GG	1940429326
SNP_P1_165256_16315186	NC_021167.1	Ca_kabuli_chr08	16315186	GG	TT	1940429327
SNP_P1_165257_16315233	NC_021167.1	Ca_kabuli_chr08	16315233	CC	TT	1940429328
SNP_P1_165258_16315267	NC_021167.1	Ca_kabuli_chr08	16315267	GG	TT	1940429329
SNP_P1_165260_16316012	NC_021167.1	Ca_kabuli_chr08	16316012	TT	AA	1940429330
SNP_P1_165262_16316436	NC_021167.1	Ca_kabuli_chr08	16316436	TT	AA	1940429331
SNP_P1_165263_16316556	NC_021167.1	Ca_kabuli_chr08	16316556	AA	TT	1940429332
SNP_P1_165265_16316625	NC_021167.1	Ca_kabuli_chr08	16316625	CC	TT	1940429333
SNP_P1_165266_16316721	NC_021167.1	Ca_kabuli_chr08	16316721	TT	CC	1940429334
SNP_P1_165267_16316747	NC_021167.1	Ca_kabuli_chr08	16316747	TT	GG	1940429335
SNP_P1_165268_16316780	NC_021167.1	Ca_kabuli_chr08	16316780	GG	AA	1940429336
SNP_P1_165269_16326357	NC_021167.1	Ca_kabuli_chr08	16326357	TT	CC	1940429337
SNP_P1_165270_16326979	NC_021167.1	Ca_kabuli_chr08	16326979	TT	CC	1940429338
SNP_P1_165273_16398561	NC_021167.1	Ca_kabuli_chr08	16398561	CC	TT	1940429339
SNP_P1_165274_16408369	NC_021167.1	Ca_kabuli_chr08	16408369	AA	TT	1940429340
SNP_P1_165275_16408454	NC_021167.1	Ca_kabuli_chr08	16408454	AA	TT	1940429341
SNP_P1_165276_16418555	NC_021167.1	Ca_kabuli_chr08	16418555	CC	TT	1940429342
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SNP_P1_165280_16463581	NC_021167.1	Ca_kabuli_chr08	16463581	AA	GG	1940429346
SNP_P1_165281_16463593	NC_021167.1	Ca_kabuli_chr08	16463593	AA	TT	1940429347
SNP_P1_165282_16463617	NC_021167.1	Ca_kabuli_chr08	16463617	GG	AA	1940429348
SNP_P1_165283_16463620	NC_021167.1	Ca_kabuli_chr08	16463620	AA	CC	1940429349
SNP_P1_165284_16463626	NC_021167.1	Ca_kabuli_chr08	16463626	AA	GG	1940429350
SNP_P1_165285_16463638	NC_021167.1	Ca_kabuli_chr08	16463638	AA	GG	1940429351
SNP_P1_165286_16463644	NC_021167.1	Ca_kabuli_chr08	16463644	AA	TT	1940429352
SNP_P1_165287_16463656	NC_021167.1	Ca_kabuli_chr08	16463656	AA	GG	1940429353
SNP_P1_165288_16463662	NC_021167.1	Ca_kabuli_chr08	16463662	TT	CC	1940429354
SNP_P1_165289_16463680	NC_021167.1	Ca_kabuli_chr08	16463680	AA	TT	1940429355
SNP_P1_165290_16463686	NC_021167.1	Ca_kabuli_chr08	16463686	AA	GG	1940429356
SNP_P1_165291_16463695	NC_021167.1	Ca_kabuli_chr08	16463695	TT	GG	1940429357
SNP_P1_165292_16463701	NC_021167.1	Ca_kabuli_chr08	16463701	AA	TT	1940429358
SNP_P1_165293_16463733	NC_021167.1	Ca_kabuli_chr08	16463733	AA	GG	1940429359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_165294_16463743	NC_021167.1	Ca_kabuli_chr08	16463743	AA	TT	1940429360
SNP_P1_165295_16463748	NC_021167.1	Ca_kabuli_chr08	16463748	AA	CC	1940429361
SNP_P1_165296_16463760	NC_021167.1	Ca_kabuli_chr08	16463760	TT	CC	1940429362
SNP_P1_165297_16463761	NC_021167.1	Ca_kabuli_chr08	16463761	GG	AA	1940429363
SNP_P1_165298_16463764	NC_021167.1	Ca_kabuli_chr08	16463764	AA	GG	1940429364
SNP_P1_165299_16463794	NC_021167.1	Ca_kabuli_chr08	16463794	GG	TT	1940429365
SNP_P1_165300_16463797	NC_021167.1	Ca_kabuli_chr08	16463797	TT	AA	1940429366
SNP_P1_165301_16463812	NC_021167.1	Ca_kabuli_chr08	16463812	GG	AA	1940429367
SNP_P1_165302_16463873	NC_021167.1	Ca_kabuli_chr08	16463873	CC	TT	1940429368
SNP_P1_165303_16463964	NC_021167.1	Ca_kabuli_chr08	16463964	AA	TT	1940429369
SNP_P1_165304_16463984	NC_021167.1	Ca_kabuli_chr08	16463984	GG	AA	1940429370
SNP_P1_165305_16463991	NC_021167.1	Ca_kabuli_chr08	16463991	CC	AA	1940429371
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SNP_P1_165307_16464396	NC_021167.1	Ca_kabuli_chr08	16464396	AA	CC	1940429373
SNP_P1_165308_16464427	NC_021167.1	Ca_kabuli_chr08	16464427	GG	AA	1940429374
SNP_P1_165309_16465023	NC_021167.1	Ca_kabuli_chr08	16465023	AA	GG	1940429375
SNP_P1_165311_3645	NW_004515637.1	Scaffold2	3645	TT	AA	1940429376
SNP_P1_165312_3841	NW_004515637.1	Scaffold2	3841	TT	AA	1940429377
SNP_P1_165313_3888	NW_004515637.1	Scaffold2	3888	AA	CC	1940429378
SNP_P1_165314_4076	NW_004515637.1	Scaffold2	4076	TT	CC	1940429379
SNP_P1_165315_4079	NW_004515637.1	Scaffold2	4079	AA	GG	1940429380
SNP_P1_165316_4100	NW_004515637.1	Scaffold2	4100	AA	GG	1940429381
SNP_P1_165317_4124	NW_004515637.1	Scaffold2	4124	CC	AA	1940429382
SNP_P1_165318_4132	NW_004515637.1	Scaffold2	4132	GG	AA	1940429383
SNP_P1_165319_4554	NW_004515637.1	Scaffold2	4554	AA	TT	1940429384
SNP_P1_165320_8073	NW_004515637.1	Scaffold2	8073	CC	TT	1940429385
SNP_P1_165321_8125	NW_004515637.1	Scaffold2	8125	TT	CC	1940429386
SNP_P1_165322_8165	NW_004515637.1	Scaffold2	8165	TT	CC	1940429387
SNP_P1_165323_8177	NW_004515637.1	Scaffold2	8177	CC	TT	1940429388
SNP_P1_165324_8192	NW_004515637.1	Scaffold2	8192	CC	TT	1940429389
SNP_P1_165325_8258	NW_004515637.1	Scaffold2	8258	AA	GG	1940429390
SNP_P1_165326_8370	NW_004515637.1	Scaffold2	8370	CC	TT	1940429391
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SNP_P1_165332_18932	NW_004515637.1	Scaffold2	18932	TT	AA	1940429396
SNP_P1_165333_18934	NW_004515637.1	Scaffold2	18934	CC	AA	1940429397
SNP_P1_165334_25272	NW_004515637.1	Scaffold2	25272	AA	GG	1940429398
SNP_P1_165335_25658	NW_004515637.1	Scaffold2	25658	GG	TT	1940429399
SNP_P1_165337_39086	NW_004515637.1	Scaffold2	39086	CC	TT	1940429400
SNP_P1_165338_43931	NW_004515637.1	Scaffold2	43931	AA	GG	1940429401

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165342_50972	NW_004515637.1	Scaffold2	50972	AA	GG	1940429404
SNP_P1_165343_51034	NW_004515637.1	Scaffold2	51034	CC	GG	1940429405
SNP_P1_165344_52014	NW_004515637.1	Scaffold2	52014	AA	GG	1940429406
SNP_P1_165345_56033	NW_004515637.1	Scaffold2	56033	GG	AA	1940429407
SNP_P1_165346_56045	NW_004515637.1	Scaffold2	56045	CC	TT	1940429408
SNP_P1_165347_56447	NW_004515637.1	Scaffold2	56447	CC	TT	1940429409
SNP_P1_165348_56456	NW_004515637.1	Scaffold2	56456	AA	TT	1940429410
SNP_P1_165349_68278	NW_004515637.1	Scaffold2	68278	CC	TT	1940429411
SNP_P1_165350_68312	NW_004515637.1	Scaffold2	68312	TT	CC	1940429412
SNP_P1_165351_69827	NW_004515637.1	Scaffold2	69827	CC	TT	1940429413
SNP_P1_165353_70024	NW_004515637.1	Scaffold2	70024	CC	GG	1940429414
SNP_P1_165354_70280	NW_004515637.1	Scaffold2	70280	AA	GG	1940429415
SNP_P1_165355_70712	NW_004515637.1	Scaffold2	70712	AA	GG	1940429416
SNP_P1_165356_70717	NW_004515637.1	Scaffold2	70717	AA	GG	1940429417
SNP_P1_165357_70727	NW_004515637.1	Scaffold2	70727	AA	TT	1940429418
SNP_P1_165358_70757	NW_004515637.1	Scaffold2	70757	CC	TT	1940429419
SNP_P1_165360_71746	NW_004515637.1	Scaffold2	71746	AA	GG	1940429420
SNP_P1_165361_71816	NW_004515637.1	Scaffold2	71816	TT	CC	1940429421
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SNP_P1_165363_79376	NW_004515637.1	Scaffold2	79376	TT	CC	1940429423
SNP_P1_165364_83657	NW_004515637.1	Scaffold2	83657	TT	CC	1940429424
SNP_P1_165365_83835	NW_004515637.1	Scaffold2	83835	AA	GG	1940429425
SNP_P1_165366_83863	NW_004515637.1	Scaffold2	83863	GG	AA	1940429426
SNP_P1_165367_83921	NW_004515637.1	Scaffold2	83921	CC	GG	1940429427
SNP_P1_165368_83922	NW_004515637.1	Scaffold2	83922	AA	GG	1940429428
SNP_P1_165369_87879	NW_004515637.1	Scaffold2	87879	AA	TT	1940429429
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SNP_P1_165371_95971	NW_004515637.1	Scaffold2	95971	CC	TT	1940429431
SNP_P1_165372_100036	NW_004515637.1	Scaffold2	100036	TT	CC	1940429432
SNP_P1_165373_103927	NW_004515637.1	Scaffold2	103927	CC	TT	1940429433
SNP_P1_165374_103938	NW_004515637.1	Scaffold2	103938	TT	CC	1940429434
SNP_P1_165375_103978	NW_004515637.1	Scaffold2	103978	AA	CC	1940429435
SNP_P1_165376_103982	NW_004515637.1	Scaffold2	103982	TT	CC	1940429436
SNP_P1_165377_103996	NW_004515637.1	Scaffold2	103996	CC	TT	1940429437
SNP_P1_165378_104027	NW_004515637.1	Scaffold2	104027	CC	AA	1940429438
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SNP_P1_165380_115535	NW_004515637.1	Scaffold2	115535	AA	CC	1940429440
SNP_P1_165381_144554	NW_004515637.1	Scaffold2	144554	AA	CC	1940429441
SNP_P1_165382_162915	NW_004515637.1	Scaffold2	162915	AA	GG	1940429442
SNP_P1_165383_168629	NW_004515637.1	Scaffold2	168629	GG	AA	1940429443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165386_200217	NW_004515637.1	Scaffold2	200217	AA	GG	1940429446
SNP_P1_165387_204212	NW_004515637.1	Scaffold2	204212	AA	GG	1940429447
SNP_P1_165389_207920	NW_004515637.1	Scaffold2	207920	TT	AA	1940429448
SNP_P1_165390_210602	NW_004515637.1	Scaffold2	210602	AA	GG	1940429449
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SNP_P1_165392_210955	NW_004515637.1	Scaffold2	210955	GG	AA	1940429451
SNP_P1_165393_211560	NW_004515637.1	Scaffold2	211560	AA	CC	1940429452
SNP_P1_165394_211853	NW_004515637.1	Scaffold2	211853	GG	AA	1940429453
SNP_P1_165395_211903	NW_004515637.1	Scaffold2	211903	TT	CC	1940429454
SNP_P1_165396_211930	NW_004515637.1	Scaffold2	211930	GG	CC	1940429455
SNP_P1_165397_211988	NW_004515637.1	Scaffold2	211988	TT	CC	1940429456
SNP_P1_165398_212230	NW_004515637.1	Scaffold2	212230	GG	TT	1940429457
SNP_P1_165399_212382	NW_004515637.1	Scaffold2	212382	AA	GG	1940429458
SNP_P1_165400_221738	NW_004515637.1	Scaffold2	221738	AA	GG	1940429459
SNP_P1_165401_238312	NW_004515637.1	Scaffold2	238312	TT	CC	1940429460
SNP_P1_165402_238326	NW_004515637.1	Scaffold2	238326	TT	GG	1940429461
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SNP_P1_165404_238998	NW_004515637.1	Scaffold2	238998	GG	AA	1940429463
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SNP_P1_165406_239221	NW_004515637.1	Scaffold2	239221	GG	AA	1940429465
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SNP_P1_165411_285174	NW_004515637.1	Scaffold2	285174	CC	AA	1940429469
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SNP_P1_165413_291781	NW_004515637.1	Scaffold2	291781	AA	GG	1940429471
SNP_P1_165414_293825	NW_004515637.1	Scaffold2	293825	TT	AA	1940429473
SNP_P1_165415_297026	NW_004515637.1	Scaffold2	297026	CC	TT	1940429474
SNP_P1_165416_300990	NW_004515637.1	Scaffold2	300990	GG	AA	1940429475
SNP_P1_165417_300992	NW_004515637.1	Scaffold2	300992	TT	AA	1940429476
SNP_P1_165419_308792	NW_004515637.1	Scaffold2	308792	TT	GG	1940429477
SNP_P1_165420_317158	NW_004515637.1	Scaffold2	317158	GG	TT	1940429478
SNP_P1_165421_325326	NW_004515637.1	Scaffold2	325326	AA	GG	1940429479
SNP_P1_165422_325334	NW_004515637.1	Scaffold2	325334	AA	TT	1940429480
SNP_P1_165423_335482	NW_004515637.1	Scaffold2	335482	AA	GG	1940429481
SNP_P1_165424_344753	NW_004515637.1	Scaffold2	344753	TT	AA	1940429482
SNP_P1_165426_353790	NW_004515637.1	Scaffold2	353790	TT	CC	1940429483
SNP_P1_165427_353810	NW_004515637.1	Scaffold2	353810	GG	CC	1940429484
SNP_P1_165428_353945	NW_004515637.1	Scaffold2	353945	TT	CC	1940429485
SNP_P1_165430_368803	NW_004515637.1	Scaffold2	368803	CC	TT	1940429486

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165433_386906	NW_004515637.1	Scaffold2	386906	TT	CC	1940429489
SNP_P1_165435_402757	NW_004515637.1	Scaffold2	402757	AA	GG	1940429490
SNP_P1_165436_402844	NW_004515637.1	Scaffold2	402844	TT	CC	1940429491
SNP_P1_165437_402845	NW_004515637.1	Scaffold2	402845	AA	GG	1940429492
SNP_P1_165438_407740	NW_004515637.1	Scaffold2	407740	TT	GG	1940429493
SNP_P1_165439_407825	NW_004515637.1	Scaffold2	407825	GG	TT	1940429494
SNP_P1_165440_407844	NW_004515637.1	Scaffold2	407844	AA	GG	1940429495
SNP_P1_165441_408001	NW_004515637.1	Scaffold2	408001	TT	CC	1940429496
SNP_P1_165442_408027	NW_004515637.1	Scaffold2	408027	GG	AA	1940429497
SNP_P1_165443_408033	NW_004515637.1	Scaffold2	408033	TT	CC	1940429498
SNP_P1_165444_408069	NW_004515637.1	Scaffold2	408069	AA	TT	1940429499
SNP_P1_165445_408119	NW_004515637.1	Scaffold2	408119	TT	CC	1940429500
SNP_P1_165446_408122	NW_004515637.1	Scaffold2	408122	AA	CC	1940429501
SNP_P1_165447_408132	NW_004515637.1	Scaffold2	408132	TT	GG	1940429502
SNP_P1_165448_408135	NW_004515637.1	Scaffold2	408135	GG	AA	1940429503
SNP_P1_165449_408207	NW_004515637.1	Scaffold2	408207	AA	TT	1940429504
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SNP_P1_165464_445442	NW_004515637.1	Scaffold2	445442	CC	TT	1940429518
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SNP_P1_165467_463196	NW_004515637.1	Scaffold2	463196	TT	CC	1940429521
SNP_P1_165468_463201	NW_004515637.1	Scaffold2	463201	CC	GG	1940429522
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SNP_P1_165472_472745	NW_004515637.1	Scaffold2	472745	TT	CC	1940429526
SNP_P1_165473_480798	NW_004515637.1	Scaffold2	480798	GG	CC	1940429527
SNP_P1_165474_483974	NW_004515637.1	Scaffold2	483974	CC	TT	1940429528

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165477_500364	NW_004515637.1	Scaffold2	500364	GG	TT	1940429531
SNP_P1_165479_504086	NW_004515637.1	Scaffold2	504086	CC	TT	1940429532
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SNP_P1_165486_529409	NW_004515637.1	Scaffold2	529409	GG	AA	1940429537
SNP_P1_165487_540882	NW_004515637.1	Scaffold2	540882	GG	CC	1940429538
SNP_P1_165488_1496	NW_004515638.1	Scaffold5	1496	AA	CC	1940429539
SNP_P1_165489_1542	NW_004515638.1	Scaffold5	1542	AA	GG	1940429540
SNP_P1_165490_1565	NW_004515638.1	Scaffold5	1565	AA	GG	1940429541
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SNP_P1_165493_3333	NW_004515638.1	Scaffold5	3333	CC	AA	1940429544
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SNP_P1_165495_5498	NW_004515638.1	Scaffold5	5498	TT	CC	1940429546
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SNP_P1_165504_2090	NW_004515639.1	Scaffold7	2090	TT	AA	1940429554
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SNP_P1_165506_13439	NW_004515639.1	Scaffold7	13439	AA	TT	1940429556
SNP_P1_165507_13473	NW_004515639.1	Scaffold7	13473	AA	TT	1940429557
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SNP_P1_165509_13477	NW_004515639.1	Scaffold7	13477	TT	CC	1940429559
SNP_P1_165510_13487	NW_004515639.1	Scaffold7	13487	GG	CC	1940429560
SNP_P1_165512_34919	NW_004515639.1	Scaffold7	34919	TT	CC	1940429561
SNP_P1_165513_35156	NW_004515639.1	Scaffold7	35156	TT	CC	1940429562
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SNP_P1_165518_50449	NW_004515639.1	Scaffold7	50449	CC	TT	1940429567
SNP_P1_165519_50486	NW_004515639.1	Scaffold7	50486	GG	AA	1940429568
SNP_P1_165520_50492	NW_004515639.1	Scaffold7	50492	CC	TT	1940429569
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165525_79497	NW_004515639.1	Scaffold7	79497	TT	AA	1940429574
SNP_P1_165526_86414	NW_004515639.1	Scaffold7	86414	CC	TT	1940429575
SNP_P1_165527_90348	NW_004515639.1	Scaffold7	90348	TT	CC	1940429576
SNP_P1_165528_94503	NW_004515639.1	Scaffold7	94503	AA	GG	1940429577
SNP_P1_165529_94648	NW_004515639.1	Scaffold7	94648	AA	GG	1940429578
SNP_P1_165530_94654	NW_004515639.1	Scaffold7	94654	GG	TT	1940429579
SNP_P1_165531_114821	NW_004515639.1	Scaffold7	114821	GG	TT	1940429580
SNP_P1_165532_116312	NW_004515639.1	Scaffold7	116312	AA	TT	1940429581
SNP_P1_165533_140276	NW_004515639.1	Scaffold7	140276	TT	AA	1940429582
SNP_P1_165534_151862	NW_004515639.1	Scaffold7	151862	CC	TT	1940429583
SNP_P1_165535_151868	NW_004515639.1	Scaffold7	151868	TT	CC	1940429584
SNP_P1_165536_169671	NW_004515639.1	Scaffold7	169671	AA	TT	1940429585
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SNP_P1_165539_170195	NW_004515639.1	Scaffold7	170195	AA	CC	1940429588
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SNP_P1_165559_212960	NW_004515639.1	Scaffold7	212960	GG	AA	1940429608
SNP_P1_165560_214189	NW_004515639.1	Scaffold7	214189	AA	CC	1940429609
SNP_P1_165561_214542	NW_004515639.1	Scaffold7	214542	CC	AA	1940429610
SNP_P1_165562_214546	NW_004515639.1	Scaffold7	214546	CC	AA	1940429611
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165566_215031	NW_004515639.1	Scaffold7	215031	TT	CC	1940429616
SNP_P1_165568_215181	NW_004515639.1	Scaffold7	215181	TT	CC	1940429617
SNP_P1_165569_215336	NW_004515639.1	Scaffold7	215336	CC	TT	1940429618
SNP_P1_165570_215351	NW_004515639.1	Scaffold7	215351	TT	CC	1940429619
SNP_P1_165571_215374	NW_004515639.1	Scaffold7	215374	GG	AA	1940429620
SNP_P1_165572_215485	NW_004515639.1	Scaffold7	215485	CC	AA	1940429621
SNP_P1_165573_216613	NW_004515639.1	Scaffold7	216613	CC	TT	1940429622
SNP_P1_165574_247071	NW_004515639.1	Scaffold7	247071	TT	CC	1940429623
SNP_P1_165575_247202	NW_004515639.1	Scaffold7	247202	GG	TT	1940429624
SNP_P1_165576_247205	NW_004515639.1	Scaffold7	247205	TT	CC	1940429625
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SNP_P1_165579_247349	NW_004515639.1	Scaffold7	247349	GG	AA	1940429628
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SNP_P1_165581_254693	NW_004515639.1	Scaffold7	254693	AA	GG	1940429630
SNP_P1_165582_254724	NW_004515639.1	Scaffold7	254724	TT	CC	1940429631
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SNP_P1_165586_255206	NW_004515639.1	Scaffold7	255206	TT	CC	1940429635
SNP_P1_165587_255223	NW_004515639.1	Scaffold7	255223	AA	GG	1940429636
SNP_P1_165588_255261	NW_004515639.1	Scaffold7	255261	TT	CC	1940429637
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SNP_P1_165594_273643	NW_004515639.1	Scaffold7	273643	TT	AA	1940429643
SNP_P1_165595_273665	NW_004515639.1	Scaffold7	273665	CC	TT	1940429644
SNP_P1_165596_273694	NW_004515639.1	Scaffold7	273694	TT	AA	1940429645
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SNP_P1_165598_274011	NW_004515639.1	Scaffold7	274011	TT	GG	1940429647
SNP_P1_165599_274038	NW_004515639.1	Scaffold7	274038	GG	AA	1940429648
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SNP_P1_165601_274111	NW_004515639.1	Scaffold7	274111	GG	AA	1940429650
SNP_P1_165602_274147	NW_004515639.1	Scaffold7	274147	AA	CC	1940429651
SNP_P1_165603_274275	NW_004515639.1	Scaffold7	274275	TT	AA	1940429652
SNP_P1_165604_274339	NW_004515639.1	Scaffold7	274339	CC	TT	1940429653
SNP_P1_165606_2005	NW_004515640.1	Scaffold9	2005	CC	TT	1940429654
SNP_P1_165607_5812	NW_004515640.1	Scaffold9	5812	GG	AA	1940429655

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165611_8572	NW_004515640.1	Scaffold9	8572	AA	CC	1940429659
SNP_P1_165612_8663	NW_004515640.1	Scaffold9	8663	CC	TT	1940429660
SNP_P1_165613_8691	NW_004515640.1	Scaffold9	8691	TT	CC	1940429661
SNP_P1_165614_8698	NW_004515640.1	Scaffold9	8698	AA	TT	1940429662
SNP_P1_165615_12429	NW_004515640.1	Scaffold9	12429	CC	AA	1940429663
SNP_P1_165616_12511	NW_004515640.1	Scaffold9	12511	AA	GG	1940429664
SNP_P1_165617_12526	NW_004515640.1	Scaffold9	12526	CC	TT	1940429665
SNP_P1_165618_12556	NW_004515640.1	Scaffold9	12556	AA	GG	1940429666
SNP_P1_165619_12581	NW_004515640.1	Scaffold9	12581	AA	CC	1940429667
SNP_P1_165620_12582	NW_004515640.1	Scaffold9	12582	CC	AA	1940429668
SNP_P1_165621_12583	NW_004515640.1	Scaffold9	12583	GG	AA	1940429669
SNP_P1_165622_12609	NW_004515640.1	Scaffold9	12609	CC	TT	1940429670
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SNP_P1_165624_16709	NW_004515640.1	Scaffold9	16709	TT	CC	1940429672
SNP_P1_165625_16720	NW_004515640.1	Scaffold9	16720	GG	CC	1940429673
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SNP_P1_165638_76110	NW_004515640.1	Scaffold9	76110	GG	AA	1940429684
SNP_P1_165639_76208	NW_004515640.1	Scaffold9	76208	CC	GG	1940429685
SNP_P1_165640_76369	NW_004515640.1	Scaffold9	76369	GG	AA	1940429686
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SNP_P1_165646_77219	NW_004515640.1	Scaffold9	77219	CC	TT	1940429692
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SNP_P1_165648_94193	NW_004515640.1	Scaffold9	94193	GG	AA	1940429694
SNP_P1_165649_94203	NW_004515640.1	Scaffold9	94203	GG	AA	1940429695
SNP_P1_165650_94207	NW_004515640.1	Scaffold9	94207	TT	AA	1940429696
SNP_P1_165651_95429	NW_004515640.1	Scaffold9	95429	TT	AA	1940429697

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165654_97444	NW_004515640.1	Scaffold9	97444	TT	CC	1940429700
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SNP_P1_165658_2791	NW_004515641.1	Scaffold10	2791	TT	CC	1940429704
SNP_P1_165659_2794	NW_004515641.1	Scaffold10	2794	CC	TT	1940429705
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SNP_P1_165661_7504	NW_004515641.1	Scaffold10	7504	TT	CC	1940429707
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SNP_P1_165666_11874	NW_004515641.1	Scaffold10	11874	AA	GG	1940429711
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SNP_P1_165689_87411	NW_004515641.1	Scaffold10	87411	TT	CC	1940429733
SNP_P1_165690_87424	NW_004515641.1	Scaffold10	87424	AA	GG	1940429734
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SNP_P1_165695_87818	NW_004515641.1	Scaffold10	87818	AA	GG	1940429739
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165699_89913	NW_004515641.1	Scaffold10	89913	GG	AA	1940429743
SNP_P1_165700_89932	NW_004515641.1	Scaffold10	89932	TT	AA	1940429744
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SNP_P1_165702_91491	NW_004515641.1	Scaffold10	91491	TT	AA	1940429746
SNP_P1_165703_91517	NW_004515641.1	Scaffold10	91517	TT	CC	1940429747
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SNP_P1_165713_91923	NW_004515641.1	Scaffold10	91923	TT	CC	1940429757
SNP_P1_165714_91974	NW_004515641.1	Scaffold10	91974	CC	AA	1940429758
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SNP_P1_165717_92064	NW_004515641.1	Scaffold10	92064	CC	AA	1940429761
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SNP_P1_165720_92594	NW_004515641.1	Scaffold10	92594	TT	CC	1940429764
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SNP_P1_165722_92602	NW_004515641.1	Scaffold10	92602	AA	CC	1940429766
SNP_P1_165723_92658	NW_004515641.1	Scaffold10	92658	AA	GG	1940429767
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SNP_P1_165725_105874	NW_004515641.1	Scaffold10	105874	TT	CC	1940429769
SNP_P1_165726_106249	NW_004515641.1	Scaffold10	106249	AA	CC	1940429770
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SNP_P1_165736_125248	NW_004515641.1	Scaffold10	125248	AA	GG	1940429780
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165742_8227	NW_004515642.1	Scaffold11	8227	AA	CC	1940429786
SNP_P1_165743_8374	NW_004515642.1	Scaffold11	8374	GG	AA	1940429787
SNP_P1_165744_8635	NW_004515642.1	Scaffold11	8635	AA	GG	1940429788
SNP_P1_165745_11517	NW_004515642.1	Scaffold11	11517	CC	AA	1940429789
SNP_P1_165746_11519	NW_004515642.1	Scaffold11	11519	AA	TT	1940429790
SNP_P1_165747_29634	NW_004515642.1	Scaffold11	29634	AA	CC	1940429791
SNP_P1_165748_29635	NW_004515642.1	Scaffold11	29635	TT	AA	1940429792
SNP_P1_165749_8590	NW_004515643.1	Scaffold12	8590	GG	AA	1940429793
SNP_P1_165750_9022	NW_004515643.1	Scaffold12	9022	CC	AA	1940429794
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165789_161007	NW_004515643.1	Scaffold12	161007	TT	GG	1940429828
SNP_P1_165790_189970	NW_004515643.1	Scaffold12	189970	AA	CC	1940429829
SNP_P1_165791_189972	NW_004515643.1	Scaffold12	189972	CC	TT	1940429830
SNP_P1_165792_190007	NW_004515643.1	Scaffold12	190007	AA	GG	1940429831
SNP_P1_165793_190055	NW_004515643.1	Scaffold12	190055	CC	TT	1940429832
SNP_P1_165794_198390	NW_004515643.1	Scaffold12	198390	GG	AA	1940429833
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SNP_P1_165796_198467	NW_004515643.1	Scaffold12	198467	GG	CC	1940429835
SNP_P1_165797_198484	NW_004515643.1	Scaffold12	198484	AA	GG	1940429836
SNP_P1_165798_198500	NW_004515643.1	Scaffold12	198500	TT	CC	1940429837
SNP_P1_165799_198507	NW_004515643.1	Scaffold12	198507	AA	GG	1940429838
SNP_P1_165800_198550	NW_004515643.1	Scaffold12	198550	AA	GG	1940429839
SNP_P1_165801_198691	NW_004515643.1	Scaffold12	198691	TT	CC	1940429840
SNP_P1_165802_198772	NW_004515643.1	Scaffold12	198772	GG	TT	1940429841
SNP_P1_165803_198824	NW_004515643.1	Scaffold12	198824	GG	AA	1940429842
SNP_P1_165804_198895	NW_004515643.1	Scaffold12	198895	TT	CC	1940429843
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SNP_P1_165808_218396	NW_004515643.1	Scaffold12	218396	GG	AA	1940429847
SNP_P1_165809_218405	NW_004515643.1	Scaffold12	218405	TT	CC	1940429848
SNP_P1_165810_218594	NW_004515643.1	Scaffold12	218594	GG	AA	1940429849
SNP_P1_165811_218703	NW_004515643.1	Scaffold12	218703	AA	TT	1940429850
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SNP_P1_165814_237995	NW_004515643.1	Scaffold12	237995	TT	CC	1940429853
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SNP_P1_165816_238080	NW_004515643.1	Scaffold12	238080	TT	CC	1940429855
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SNP_P1_165824_238267	NW_004515643.1	Scaffold12	238267	TT	CC	1940429863
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SNP_P1_165826_238282	NW_004515643.1	Scaffold12	238282	AA	GG	1940429865
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165831_240560	NW_004515643.1	Scaffold12	240560	CC	GG	1940429870
SNP_P1_165832_240568	NW_004515643.1	Scaffold12	240568	CC	TT	1940429871
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SNP_P1_165834_240853	NW_004515643.1	Scaffold12	240853	CC	GG	1940429873
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SNP_P1_165836_240932	NW_004515643.1	Scaffold12	240932	TT	AA	1940429875
SNP_P1_165837_241420	NW_004515643.1	Scaffold12	241420	CC	TT	1940429876
SNP_P1_165838_241456	NW_004515643.1	Scaffold12	241456	CC	TT	1940429877
SNP_P1_165839_241510	NW_004515643.1	Scaffold12	241510	CC	TT	1940429878
SNP_P1_165840_244957	NW_004515643.1	Scaffold12	244957	TT	CC	1940429879
SNP_P1_165841_245295	NW_004515643.1	Scaffold12	245295	CC	TT	1940429880
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SNP_P1_165843_245338	NW_004515643.1	Scaffold12	245338	TT	GG	1940429883
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SNP_P1_165846_259192	NW_004515643.1	Scaffold12	259192	GG	TT	1940429885
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SNP_P1_165862_296449	NW_004515643.1	Scaffold12	296449	AA	GG	1940429899
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SNP_P1_165866_296582	NW_004515643.1	Scaffold12	296582	TT	CC	1940429903
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SNP_P1_165872_352166	NW_004515643.1	Scaffold12	352166	CC	GG	1940429909

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_165929_51717	NW_004515644.1	Scaffold13	51717	GG	AA	1940429965
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SNP_P1_165933_70931	NW_004515644.1	Scaffold13	70931	AA	TT	1940429969
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SNP_P1_165936_85142	NW_004515644.1	Scaffold13	85142	AA	CC	1940429972
SNP_P1_165937_85154	NW_004515644.1	Scaffold13	85154	TT	CC	1940429973
SNP_P1_165938_85174	NW_004515644.1	Scaffold13	85174	CC	TT	1940429974
SNP_P1_165939_85178	NW_004515644.1	Scaffold13	85178	TT	CC	1940429975
SNP_P1_165940_85182	NW_004515644.1	Scaffold13	85182	TT	AA	1940429976
SNP_P1_165941_85195	NW_004515644.1	Scaffold13	85195	GG	AA	1940429977
SNP_P1_165942_85199	NW_004515644.1	Scaffold13	85199	CC	TT	1940429978
SNP_P1_165943_85201	NW_004515644.1	Scaffold13	85201	TT	CC	1940429979
SNP_P1_165944_87605	NW_004515644.1	Scaffold13	87605	GG	AA	1940429980
SNP_P1_165945_98946	NW_004515644.1	Scaffold13	98946	GG	CC	1940429981
SNP_P1_165946_3502	NW_004515645.1	Scaffold15	3502	GG	AA	1940429982
SNP_P1_165947_3654	NW_004515645.1	Scaffold15	3654	AA	TT	1940429983
SNP_P1_165948_9084	NW_004515645.1	Scaffold15	9084	AA	TT	1940429984
SNP_P1_165949_10496	NW_004515645.1	Scaffold15	10496	TT	GG	1940429985
SNP_P1_165950_10717	NW_004515645.1	Scaffold15	10717	CC	TT	1940429986
SNP_P1_165951_10733	NW_004515645.1	Scaffold15	10733	GG	CC	1940429987
SNP_P1_165952_10741	NW_004515645.1	Scaffold15	10741	TT	AA	1940429988
SNP_P1_165953_10742	NW_004515645.1	Scaffold15	10742	TT	CC	1940429989
SNP_P1_165954_10765	NW_004515645.1	Scaffold15	10765	CC	TT	1940429990
SNP_P1_165955_11006	NW_004515645.1	Scaffold15	11006	GG	AA	1940429991
SNP_P1_165956_13438	NW_004515645.1	Scaffold15	13438	TT	CC	1940429992
SNP_P1_165957_13497	NW_004515645.1	Scaffold15	13497	CC	TT	1940429993

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_165958_13810	NW_004515645.1	Scaffold15	13810	TT	GG	1940429994
SNP_P1_165959_13816	NW_004515645.1	Scaffold15	13816	TT	CC	1940429995
SNP_P1_165960_13828	NW_004515645.1	Scaffold15	13828	GG	AA	1940429996
SNP_P1_165961_19448	NW_004515645.1	Scaffold15	19448	GG	CC	1940429997
SNP_P1_165963_19612	NW_004515645.1	Scaffold15	19612	GG	AA	1940429998
SNP_P1_165964_19851	NW_004515645.1	Scaffold15	19851	AA	CC	1940429999
SNP_P1_165965_20243	NW_004515645.1	Scaffold15	20243	CC	AA	1940430000
SNP_P1_165966_27464	NW_004515645.1	Scaffold15	27464	GG	TT	1940430001
SNP_P1_165967_27721	NW_004515645.1	Scaffold15	27721	AA	GG	1940430002
SNP_P1_165968_27731	NW_004515645.1	Scaffold15	27731	AA	TT	1940430003
SNP_P1_165969_28944	NW_004515645.1	Scaffold15	28944	AA	TT	1940430004
SNP_P1_165970_32233	NW_004515645.1	Scaffold15	32233	TT	CC	1940430005
SNP_P1_165971_32242	NW_004515645.1	Scaffold15	32242	GG	AA	1940430006
SNP_P1_165972_32245	NW_004515645.1	Scaffold15	32245	GG	TT	1940430007
SNP_P1_165973_32278	NW_004515645.1	Scaffold15	32278	TT	AA	1940430008
SNP_P1_165974_32280	NW_004515645.1	Scaffold15	32280	AA	TT	1940430009
SNP_P1_165975_32288	NW_004515645.1	Scaffold15	32288	CC	GG	1940430010
SNP_P1_165976_38205	NW_004515645.1	Scaffold15	38205	TT	CC	1940430011
SNP_P1_165977_38669	NW_004515645.1	Scaffold15	38669	CC	AA	1940430012
SNP_P1_165978_45209	NW_004515645.1	Scaffold15	45209	CC	TT	1940430013
SNP_P1_165979_45230	NW_004515645.1	Scaffold15	45230	CC	GG	1940430014
SNP_P1_165980_46923	NW_004515645.1	Scaffold15	46923	GG	TT	1940430015
SNP_P1_165981_49356	NW_004515645.1	Scaffold15	49356	CC	GG	1940430016
SNP_P1_165982_49498	NW_004515645.1	Scaffold15	49498	CC	GG	1940430017
SNP_P1_165983_49567	NW_004515645.1	Scaffold15	49567	TT	AA	1940430018
SNP_P1_165986_49612	NW_004515645.1	Scaffold15	49612	CC	TT	1940430019
SNP_P1_165987_49613	NW_004515645.1	Scaffold15	49613	CC	TT	1940430020
SNP_P1_165988_49634	NW_004515645.1	Scaffold15	49634	AA	TT	1940430021
SNP_P1_165989_49655	NW_004515645.1	Scaffold15	49655	TT	CC	1940430022
SNP_P1_165990_51647	NW_004515645.1	Scaffold15	51647	TT	CC	1940430023
SNP_P1_165991_60640	NW_004515645.1	Scaffold15	60640	TT	AA	1940430024
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SNP_P1_165994_61094	NW_004515645.1	Scaffold15	61094	AA	CC	1940430027
SNP_P1_165995_62890	NW_004515645.1	Scaffold15	62890	AA	GG	1940430028
SNP_P1_165996_63134	NW_004515645.1	Scaffold15	63134	GG	TT	1940430029
SNP_P1_165997_63175	NW_004515645.1	Scaffold15	63175	AA	CC	1940430030
SNP_P1_165998_63193	NW_004515645.1	Scaffold15	63193	GG	CC	1940430031
SNP_P1_165999_63258	NW_004515645.1	Scaffold15	63258	GG	AA	1940430032
SNP_P1_166000_69876	NW_004515645.1	Scaffold15	69876	CC	GG	1940430034
SNP_P1_166001_69890	NW_004515645.1	Scaffold15	69890	CC	GG	1940430035
SNP_P1_166002_70366	NW_004515645.1	Scaffold15	70366	GG	AA	1940430036

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166004_70565	NW_004515645.1	Scaffold15	70565	CC	TT	1940430038
SNP_P1_166005_70569	NW_004515645.1	Scaffold15	70569	GG	CC	1940430039
SNP_P1_166006_70618	NW_004515645.1	Scaffold15	70618	GG	AA	1940430040
SNP_P1_166007_70662	NW_004515645.1	Scaffold15	70662	GG	AA	1940430041
SNP_P1_166008_74635	NW_004515645.1	Scaffold15	74635	TT	CC	1940430042
SNP_P1_166009_92287	NW_004515645.1	Scaffold15	92287	GG	AA	1940430043
SNP_P1_166010_92776	NW_004515645.1	Scaffold15	92776	AA	TT	1940430044
SNP_P1_166011_102569	NW_004515645.1	Scaffold15	102569	CC	TT	1940430045
SNP_P1_166012_103786	NW_004515645.1	Scaffold15	103786	TT	CC	1940430046
SNP_P1_166013_105316	NW_004515645.1	Scaffold15	105316	TT	CC	1940430047
SNP_P1_166014_113111	NW_004515645.1	Scaffold15	113111	AA	GG	1940430048
SNP_P1_166015_115301	NW_004515645.1	Scaffold15	115301	TT	CC	1940430049
SNP_P1_166016_115303	NW_004515645.1	Scaffold15	115303	GG	AA	1940430050
SNP_P1_166017_115553	NW_004515645.1	Scaffold15	115553	CC	TT	1940430051
SNP_P1_166018_119237	NW_004515645.1	Scaffold15	119237	CC	TT	1940430052
SNP_P1_166019_119533	NW_004515645.1	Scaffold15	119533	AA	GG	1940430053
SNP_P1_166021_136607	NW_004515645.1	Scaffold15	136607	TT	CC	1940430054
SNP_P1_166022_139632	NW_004515645.1	Scaffold15	139632	AA	TT	1940430055
SNP_P1_166023_140361	NW_004515645.1	Scaffold15	140361	TT	CC	1940430056
SNP_P1_166024_140899	NW_004515645.1	Scaffold15	140899	GG	CC	1940430057
SNP_P1_166025_140976	NW_004515645.1	Scaffold15	140976	GG	CC	1940430058
SNP_P1_166026_141027	NW_004515645.1	Scaffold15	141027	AA	GG	1940430059
SNP_P1_166027_141042	NW_004515645.1	Scaffold15	141042	AA	GG	1940430060
SNP_P1_166028_141227	NW_004515645.1	Scaffold15	141227	AA	CC	1940430061
SNP_P1_166029_142371	NW_004515645.1	Scaffold15	142371	AA	TT	1940430062
SNP_P1_166030_144076	NW_004515645.1	Scaffold15	144076	GG	AA	1940430063
SNP_P1_166032_151477	NW_004515645.1	Scaffold15	151477	TT	CC	1940430064
SNP_P1_166033_152770	NW_004515645.1	Scaffold15	152770	AA	CC	1940430065
SNP_P1_166034_153146	NW_004515645.1	Scaffold15	153146	TT	AA	1940430066
SNP_P1_166035_158245	NW_004515645.1	Scaffold15	158245	GG	AA	1940430067
SNP_P1_166036_158960	NW_004515645.1	Scaffold15	158960	AA	TT	1940430068
SNP_P1_166037_159714	NW_004515645.1	Scaffold15	159714	CC	GG	1940430069
SNP_P1_166038_165754	NW_004515645.1	Scaffold15	165754	TT	GG	1940430070
SNP_P1_166039_827	NW_004515646.1	Scaffold16	827	TT	GG	1940430071
SNP_P1_166040_894	NW_004515646.1	Scaffold16	894	TT	CC	1940430072
SNP_P1_166041_896	NW_004515646.1	Scaffold16	896	GG	AA	1940430073
SNP_P1_166042_912	NW_004515646.1	Scaffold16	912	GG	AA	1940430074
SNP_P1_166043_924	NW_004515646.1	Scaffold16	924	AA	GG	1940430075
SNP_P1_166044_939	NW_004515646.1	Scaffold16	939	GG	AA	1940430076
SNP_P1_166045_949	NW_004515646.1	Scaffold16	949	AA	GG	1940430077
SNP_P1_166046_955	NW_004515646.1	Scaffold16	955	AA	GG	1940430078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166048_976	NW_004515646.1	Scaffold16	976	CC	TT	1940430080
SNP_P1_166049_981	NW_004515646.1	Scaffold16	981	TT	CC	1940430081
SNP_P1_166050_992	NW_004515646.1	Scaffold16	992	AA	CC	1940430082
SNP_P1_166051_1009	NW_004515646.1	Scaffold16	1009	TT	GG	1940430083
SNP_P1_166052_1040	NW_004515646.1	Scaffold16	1040	TT	AA	1940430084
SNP_P1_166053_1068	NW_004515646.1	Scaffold16	1068	TT	CC	1940430085
SNP_P1_166054_1088	NW_004515646.1	Scaffold16	1088	TT	AA	1940430086
SNP_P1_166055_3681	NW_004515646.1	Scaffold16	3681	TT	CC	1940430087
SNP_P1_166056_4567	NW_004515646.1	Scaffold16	4567	CC	TT	1940430088
SNP_P1_166057_4600	NW_004515646.1	Scaffold16	4600	AA	CC	1940430089
SNP_P1_166059_15597	NW_004515646.1	Scaffold16	15597	TT	AA	1940430090
SNP_P1_166060_5720	NW_004515647.1	Scaffold17	5720	AA	GG	1940430091
SNP_P1_166061_40377	NW_004515647.1	Scaffold17	40377	AA	CC	1940430092
SNP_P1_166062_40821	NW_004515647.1	Scaffold17	40821	GG	AA	1940430093
SNP_P1_166063_44356	NW_004515647.1	Scaffold17	44356	CC	TT	1940430094
SNP_P1_166064_67240	NW_004515647.1	Scaffold17	67240	TT	GG	1940430095
SNP_P1_166065_67283	NW_004515647.1	Scaffold17	67283	AA	GG	1940430096
SNP_P1_166066_67287	NW_004515647.1	Scaffold17	67287	TT	CC	1940430097
SNP_P1_166067_90701	NW_004515647.1	Scaffold17	90701	CC	AA	1940430098
SNP_P1_166068_95083	NW_004515647.1	Scaffold17	95083	TT	AA	1940430099
SNP_P1_166069_95598	NW_004515647.1	Scaffold17	95598	CC	TT	1940430100
SNP_P1_166070_96616	NW_004515647.1	Scaffold17	96616	AA	GG	1940430101
SNP_P1_166071_99768	NW_004515647.1	Scaffold17	99768	AA	TT	1940430102
SNP_P1_166072_99790	NW_004515647.1	Scaffold17	99790	CC	TT	1940430103
SNP_P1_166073_99811	NW_004515647.1	Scaffold17	99811	GG	AA	1940430104
SNP_P1_166074_99833	NW_004515647.1	Scaffold17	99833	TT	CC	1940430105
SNP_P1_166075_99856	NW_004515647.1	Scaffold17	99856	TT	AA	1940430106
SNP_P1_166076_99964	NW_004515647.1	Scaffold17	99964	GG	AA	1940430107
SNP_P1_166077_101846	NW_004515647.1	Scaffold17	101846	TT	CC	1940430108
SNP_P1_166078_103341	NW_004515647.1	Scaffold17	103341	TT	GG	1940430109
SNP_P1_166079_103501	NW_004515647.1	Scaffold17	103501	AA	GG	1940430110
SNP_P1_166080_122753	NW_004515647.1	Scaffold17	122753	CC	TT	1940430111
SNP_P1_166081_123132	NW_004515647.1	Scaffold17	123132	TT	CC	1940430112
SNP_P1_166082_123893	NW_004515647.1	Scaffold17	123893	AA	GG	1940430113
SNP_P1_166083_124057	NW_004515647.1	Scaffold17	124057	GG	AA	1940430114
SNP_P1_166084_124075	NW_004515647.1	Scaffold17	124075	AA	TT	1940430115
SNP_P1_166085_125114	NW_004515647.1	Scaffold17	125114	CC	GG	1940430116
SNP_P1_166086_125547	NW_004515647.1	Scaffold17	125547	GG	TT	1940430117
SNP_P1_166087_125584	NW_004515647.1	Scaffold17	125584	TT	CC	1940430118
SNP_P1_166088_125586	NW_004515647.1	Scaffold17	125586	GG	AA	1940430119
SNP_P1_166089_128083	NW_004515647.1	Scaffold17	128083	TT	GG	1940430120

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166091_128125	NW_004515647.1	Scaffold17	128125	TT	CC	1940430122
SNP_P1_166092_128304	NW_004515647.1	Scaffold17	128304	TT	CC	1940430123
SNP_P1_166093_128417	NW_004515647.1	Scaffold17	128417	TT	GG	1940430124
SNP_P1_166094_128427	NW_004515647.1	Scaffold17	128427	GG	TT	1940430125
SNP_P1_166095_128726	NW_004515647.1	Scaffold17	128726	TT	GG	1940430126
SNP_P1_166096_135696	NW_004515647.1	Scaffold17	135696	CC	GG	1940430127
SNP_P1_166097_135703	NW_004515647.1	Scaffold17	135703	GG	AA	1940430128
SNP_P1_166098_139081	NW_004515647.1	Scaffold17	139081	AA	TT	1940430129
SNP_P1_166099_142646	NW_004515647.1	Scaffold17	142646	TT	CC	1940430130
SNP_P1_166100_142734	NW_004515647.1	Scaffold17	142734	CC	TT	1940430131
SNP_P1_166101_142801	NW_004515647.1	Scaffold17	142801	GG	AA	1940430132
SNP_P1_166102_143168	NW_004515647.1	Scaffold17	143168	CC	AA	1940430133
SNP_P1_166103_143251	NW_004515647.1	Scaffold17	143251	GG	AA	1940430134
SNP_P1_166104_145721	NW_004515647.1	Scaffold17	145721	TT	GG	1940430135
SNP_P1_166105_145732	NW_004515647.1	Scaffold17	145732	TT	CC	1940430136
SNP_P1_166106_145751	NW_004515647.1	Scaffold17	145751	TT	CC	1940430137
SNP_P1_166107_145768	NW_004515647.1	Scaffold17	145768	GG	TT	1940430138
SNP_P1_166108_145778	NW_004515647.1	Scaffold17	145778	AA	GG	1940430139
SNP_P1_166109_146041	NW_004515647.1	Scaffold17	146041	AA	GG	1940430140
SNP_P1_166110_146071	NW_004515647.1	Scaffold17	146071	CC	TT	1940430141
SNP_P1_166111_146140	NW_004515647.1	Scaffold17	146140	GG	TT	1940430142
SNP_P1_166112_146142	NW_004515647.1	Scaffold17	146142	AA	GG	1940430143
SNP_P1_166113_148877	NW_004515647.1	Scaffold17	148877	AA	CC	1940430144
SNP_P1_166114_153125	NW_004515647.1	Scaffold17	153125	TT	CC	1940430145
SNP_P1_166115_153190	NW_004515647.1	Scaffold17	153190	CC	TT	1940430146
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SNP_P1_166118_157730	NW_004515647.1	Scaffold17	157730	AA	GG	1940430149
SNP_P1_166119_157752	NW_004515647.1	Scaffold17	157752	GG	AA	1940430150
SNP_P1_166120_157956	NW_004515647.1	Scaffold17	157956	GG	CC	1940430151
SNP_P1_166121_157981	NW_004515647.1	Scaffold17	157981	AA	CC	1940430152
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SNP_P1_166123_158024	NW_004515647.1	Scaffold17	158024	GG	AA	1940430154
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SNP_P1_166126_197512	NW_004515647.1	Scaffold17	197512	GG	AA	1940430157
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SNP_P1_166129_200839	NW_004515647.1	Scaffold17	200839	GG	AA	1940430160
SNP_P1_166130_200844	NW_004515647.1	Scaffold17	200844	GG	AA	1940430161
SNP_P1_166131_200848	NW_004515647.1	Scaffold17	200848	TT	AA	1940430162

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166134_201580	NW_004515647.1	Scaffold17	201580	CC	TT	1940430165
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SNP_P1_166136_204883	NW_004515647.1	Scaffold17	204883	GG	AA	1940430167
SNP_P1_166137_208249	NW_004515647.1	Scaffold17	208249	GG	TT	1940430168
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SNP_P1_166142_233347	NW_004515647.1	Scaffold17	233347	CC	GG	1940430172
SNP_P1_166143_233511	NW_004515647.1	Scaffold17	233511	TT	CC	1940430173
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SNP_P1_166146_237714	NW_004515647.1	Scaffold17	237714	CC	TT	1940430176
SNP_P1_166147_242130	NW_004515647.1	Scaffold17	242130	CC	TT	1940430177
SNP_P1_166148_242135	NW_004515647.1	Scaffold17	242135	TT	AA	1940430178
SNP_P1_166149_242146	NW_004515647.1	Scaffold17	242146	GG	AA	1940430179
SNP_P1_166150_259107	NW_004515647.1	Scaffold17	259107	AA	CC	1940430180
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SNP_P1_166153_259151	NW_004515647.1	Scaffold17	259151	GG	TT	1940430183
SNP_P1_166154_262751	NW_004515647.1	Scaffold17	262751	AA	GG	1940430184
SNP_P1_166155_270336	NW_004515647.1	Scaffold17	270336	AA	TT	1940430185
SNP_P1_166156_278034	NW_004515647.1	Scaffold17	278034	CC	TT	1940430186
SNP_P1_166157_281966	NW_004515647.1	Scaffold17	281966	TT	CC	1940430188
SNP_P1_166158_291381	NW_004515647.1	Scaffold17	291381	TT	CC	1940430189
SNP_P1_166159_291623	NW_004515647.1	Scaffold17	291623	TT	CC	1940430190
SNP_P1_166160_291830	NW_004515647.1	Scaffold17	291830	CC	TT	1940430191
SNP_P1_166161_291917	NW_004515647.1	Scaffold17	291917	AA	TT	1940430192
SNP_P1_166162_292010	NW_004515647.1	Scaffold17	292010	AA	TT	1940430193
SNP_P1_166163_292068	NW_004515647.1	Scaffold17	292068	CC	TT	1940430194
SNP_P1_166164_292224	NW_004515647.1	Scaffold17	292224	AA	GG	1940430195
SNP_P1_166165_292267	NW_004515647.1	Scaffold17	292267	GG	AA	1940430196
SNP_P1_166166_292273	NW_004515647.1	Scaffold17	292273	AA	CC	1940430197
SNP_P1_166167_292274	NW_004515647.1	Scaffold17	292274	AA	GG	1940430198
SNP_P1_166168_292593	NW_004515647.1	Scaffold17	292593	TT	GG	1940430199
SNP_P1_166169_292796	NW_004515647.1	Scaffold17	292796	GG	AA	1940430200
SNP_P1_166170_292869	NW_004515647.1	Scaffold17	292869	TT	CC	1940430201
SNP_P1_166171_293110	NW_004515647.1	Scaffold17	293110	AA	TT	1940430202
SNP_P1_166172_293317	NW_004515647.1	Scaffold17	293317	AA	CC	1940430203
SNP_P1_166173_294785	NW_004515647.1	Scaffold17	294785	TT	AA	1940430204
SNP_P1_166174_294810	NW_004515647.1	Scaffold17	294810	AA	GG	1940430205

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_166175_295120	NW_004515647.1	Scaffold17	295120	GG	AA	1940430206
SNP_P1_166176_296007	NW_004515647.1	Scaffold17	296007	GG	AA	1940430207
SNP_P1_166177_296737	NW_004515647.1	Scaffold17	296737	CC	AA	1940430208
SNP_P1_166178_296993	NW_004515647.1	Scaffold17	296993	TT	CC	1940430209
SNP_P1_166179_297240	NW_004515647.1	Scaffold17	297240	GG	AA	1940430210
SNP_P1_166180_297266	NW_004515647.1	Scaffold17	297266	TT	CC	1940430211
SNP_P1_166181_297286	NW_004515647.1	Scaffold17	297286	TT	CC	1940430212
SNP_P1_166182_297289	NW_004515647.1	Scaffold17	297289	CC	TT	1940430213
SNP_P1_166183_297291	NW_004515647.1	Scaffold17	297291	TT	CC	1940430214
SNP_P1_166184_297296	NW_004515647.1	Scaffold17	297296	TT	CC	1940430215
SNP_P1_166186_297506	NW_004515647.1	Scaffold17	297506	CC	TT	1940430216
SNP_P1_166187_297724	NW_004515647.1	Scaffold17	297724	CC	TT	1940430217
SNP_P1_166188_297727	NW_004515647.1	Scaffold17	297727	TT	AA	1940430218
SNP_P1_166189_303720	NW_004515647.1	Scaffold17	303720	AA	GG	1940430219
SNP_P1_166190_304598	NW_004515647.1	Scaffold17	304598	TT	CC	1940430220
SNP_P1_166192_315210	NW_004515647.1	Scaffold17	315210	AA	TT	1940430221
SNP_P1_166193_315865	NW_004515647.1	Scaffold17	315865	AA	GG	1940430222
SNP_P1_166194_318278	NW_004515647.1	Scaffold17	318278	TT	CC	1940430223
SNP_P1_166195_539	NW_004515648.1	Scaffold22	539	CC	TT	1940430224
SNP_P1_166196_976	NW_004515648.1	Scaffold22	976	TT	CC	1940430225
SNP_P1_166197_5248	NW_004515648.1	Scaffold22	5248	CC	TT	1940430226
SNP_P1_166198_12988	NW_004515648.1	Scaffold22	12988	CC	TT	1940430227
SNP_P1_166199_14110	NW_004515648.1	Scaffold22	14110	CC	TT	1940430228
SNP_P1_166200_17028	NW_004515648.1	Scaffold22	17028	CC	GG	1940430229
SNP_P1_166201_24426	NW_004515648.1	Scaffold22	24426	TT	GG	1940430230
SNP_P1_166203_24530	NW_004515648.1	Scaffold22	24530	CC	TT	1940430231
SNP_P1_166204_24777	NW_004515648.1	Scaffold22	24777	AA	CC	1940430232
SNP_P1_166205_24869	NW_004515648.1	Scaffold22	24869	AA	GG	1940430233
SNP_P1_166206_24879	NW_004515648.1	Scaffold22	24879	TT	CC	1940430234
SNP_P1_166207_24948	NW_004515648.1	Scaffold22	24948	AA	TT	1940430235
SNP_P1_166208_29508	NW_004515648.1	Scaffold22	29508	GG	AA	1940430236
SNP_P1_166209_29661	NW_004515648.1	Scaffold22	29661	CC	TT	1940430237
SNP_P1_166210_34133	NW_004515648.1	Scaffold22	34133	TT	CC	1940430238
SNP_P1_166212_34359	NW_004515648.1	Scaffold22	34359	AA	CC	1940430239
SNP_P1_166213_34369	NW_004515648.1	Scaffold22	34369	TT	CC	1940430240
SNP_P1_166214_34394	NW_004515648.1	Scaffold22	34394	AA	GG	1940430241
SNP_P1_166215_34427	NW_004515648.1	Scaffold22	34427	CC	AA	1940430242
SNP_P1_166216_34429	NW_004515648.1	Scaffold22	34429	GG	AA	1940430243
SNP_P1_166217_34434	NW_004515648.1	Scaffold22	34434	TT	GG	1940430244
SNP_P1_166218_34493	NW_004515648.1	Scaffold22	34493	TT	GG	1940430245
SNP_P1_166220_34570	NW_004515648.1	Scaffold22	34570	CC	TT	1940430246
SNP_P1_166221_34585	NW_004515648.1	Scaffold22	34585	CC	TT	1940430247

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_166222_34586	NW_004515648.1	Scaffold22	34586	TT	GG	1940430248
SNP_P1_166223_34592	NW_004515648.1	Scaffold22	34592	CC	GG	1940430249
SNP_P1_166224_34647	NW_004515648.1	Scaffold22	34647	GG	TT	1940430250
SNP_P1_166225_34724	NW_004515648.1	Scaffold22	34724	TT	CC	1940430251
SNP_P1_166226_34752	NW_004515648.1	Scaffold22	34752	GG	AA	1940430252
SNP_P1_166227_34761	NW_004515648.1	Scaffold22	34761	AA	GG	1940430253
SNP_P1_166228_34766	NW_004515648.1	Scaffold22	34766	GG	AA	1940430254
SNP_P1_166229_34767	NW_004515648.1	Scaffold22	34767	GG	AA	1940430255
SNP_P1_166230_34810	NW_004515648.1	Scaffold22	34810	CC	AA	1940430256
SNP_P1_166231_34841	NW_004515648.1	Scaffold22	34841	CC	AA	1940430257
SNP_P1_166232_34998	NW_004515648.1	Scaffold22	34998	CC	GG	1940430258
SNP_P1_166233_35026	NW_004515648.1	Scaffold22	35026	GG	AA	1940430259
SNP_P1_166234_35041	NW_004515648.1	Scaffold22	35041	TT	AA	1940430260
SNP_P1_166235_41747	NW_004515648.1	Scaffold22	41747	AA	GG	1940430261
SNP_P1_166236_41837	NW_004515648.1	Scaffold22	41837	GG	TT	1940430262
SNP_P1_166237_41915	NW_004515648.1	Scaffold22	41915	AA	GG	1940430263
SNP_P1_166238_120	NW_004515649.1	Scaffold25	120	CC	AA	1940430264
SNP_P1_166239_243	NW_004515649.1	Scaffold25	243	CC	TT	1940430265
SNP_P1_166240_450	NW_004515649.1	Scaffold25	450	AA	TT	1940430266
SNP_P1_166242_14163	NW_004515649.1	Scaffold25	14163	AA	GG	1940430267
SNP_P1_166243_14213	NW_004515649.1	Scaffold25	14213	GG	AA	1940430268
SNP_P1_166244_14459	NW_004515649.1	Scaffold25	14459	TT	AA	1940430269
SNP_P1_166245_14460	NW_004515649.1	Scaffold25	14460	GG	TT	1940430270
SNP_P1_166246_14756	NW_004515649.1	Scaffold25	14756	CC	GG	1940430271
SNP_P1_166247_16117	NW_004515649.1	Scaffold25	16117	AA	GG	1940430272
SNP_P1_166249_16427	NW_004515649.1	Scaffold25	16427	AA	GG	1940430273
SNP_P1_166250_17298	NW_004515649.1	Scaffold25	17298	TT	GG	1940430274
SNP_P1_166251_18434	NW_004515649.1	Scaffold25	18434	TT	GG	1940430275
SNP_P1_166253_20091	NW_004515649.1	Scaffold25	20091	CC	TT	1940430276
SNP_P1_166254_20369	NW_004515649.1	Scaffold25	20369	TT	CC	1940430277
SNP_P1_166255_22483	NW_004515649.1	Scaffold25	22483	CC	AA	1940430278
SNP_P1_166256_22512	NW_004515649.1	Scaffold25	22512	CC	TT	1940430279
SNP_P1_166257_33851	NW_004515649.1	Scaffold25	33851	AA	TT	1940430280
SNP_P1_166259_36967	NW_004515649.1	Scaffold25	36967	CC	TT	1940430281
SNP_P1_166260_37681	NW_004515649.1	Scaffold25	37681	GG	AA	1940430282
SNP_P1_166261_38931	NW_004515649.1	Scaffold25	38931	AA	GG	1940430283
SNP_P1_166262_39357	NW_004515649.1	Scaffold25	39357	GG	AA	1940430284
SNP_P1_166263_39480	NW_004515649.1	Scaffold25	39480	TT	CC	1940430285
SNP_P1_166264_39515	NW_004515649.1	Scaffold25	39515	GG	TT	1940430286
SNP_P1_166265_39829	NW_004515649.1	Scaffold25	39829	TT	CC	1940430287
SNP_P1_166266_41084	NW_004515649.1	Scaffold25	41084	GG	AA	1940430288
SNP_P1_166267_41791	NW_004515649.1	Scaffold25	41791	GG	TT	1940430289

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166269_43131	NW_004515649.1	Scaffold25	43131	CC	AA	1940430291
SNP_P1_166270_43451	NW_004515649.1	Scaffold25	43451	TT	AA	1940430292
SNP_P1_166271_44734	NW_004515649.1	Scaffold25	44734	GG	AA	1940430293
SNP_P1_166272_44735	NW_004515649.1	Scaffold25	44735	CC	TT	1940430294
SNP_P1_166273_46342	NW_004515649.1	Scaffold25	46342	CC	TT	1940430295
SNP_P1_166274_47894	NW_004515649.1	Scaffold25	47894	GG	AA	1940430296
SNP_P1_166275_48293	NW_004515649.1	Scaffold25	48293	GG	AA	1940430297
SNP_P1_166276_48720	NW_004515649.1	Scaffold25	48720	CC	TT	1940430298
SNP_P1_166277_50904	NW_004515649.1	Scaffold25	50904	CC	GG	1940430299
SNP_P1_166278_50994	NW_004515649.1	Scaffold25	50994	TT	AA	1940430300
SNP_P1_166279_51026	NW_004515649.1	Scaffold25	51026	TT	CC	1940430301
SNP_P1_166280_51182	NW_004515649.1	Scaffold25	51182	TT	CC	1940430302
SNP_P1_166281_51412	NW_004515649.1	Scaffold25	51412	TT	CC	1940430303
SNP_P1_166282_51500	NW_004515649.1	Scaffold25	51500	GG	TT	1940430304
SNP_P1_166284_51860	NW_004515649.1	Scaffold25	51860	CC	TT	1940430305
SNP_P1_166285_52907	NW_004515649.1	Scaffold25	52907	GG	CC	1940430306
SNP_P1_166286_54229	NW_004515649.1	Scaffold25	54229	AA	CC	1940430307
SNP_P1_166287_55183	NW_004515649.1	Scaffold25	55183	AA	GG	1940430308
SNP_P1_166288_55396	NW_004515649.1	Scaffold25	55396	AA	TT	1940430309
SNP_P1_166289_55556	NW_004515649.1	Scaffold25	55556	AA	GG	1940430310
SNP_P1_166290_56303	NW_004515649.1	Scaffold25	56303	TT	GG	1940430311
SNP_P1_166291_57118	NW_004515649.1	Scaffold25	57118	CC	TT	1940430312
SNP_P1_166292_57128	NW_004515649.1	Scaffold25	57128	CC	TT	1940430313
SNP_P1_166293_57225	NW_004515649.1	Scaffold25	57225	TT	CC	1940430314
SNP_P1_166294_57478	NW_004515649.1	Scaffold25	57478	TT	AA	1940430315
SNP_P1_166295_58183	NW_004515649.1	Scaffold25	58183	CC	AA	1940430316
SNP_P1_166296_58218	NW_004515649.1	Scaffold25	58218	CC	GG	1940430317
SNP_P1_166297_59877	NW_004515649.1	Scaffold25	59877	GG	TT	1940430318
SNP_P1_166298_60400	NW_004515649.1	Scaffold25	60400	GG	CC	1940430319
SNP_P1_166299_60420	NW_004515649.1	Scaffold25	60420	AA	CC	1940430320
SNP_P1_166300_60584	NW_004515649.1	Scaffold25	60584	AA	TT	1940430321
SNP_P1_166301_60686	NW_004515649.1	Scaffold25	60686	AA	GG	1940430322
SNP_P1_166302_60706	NW_004515649.1	Scaffold25	60706	AA	TT	1940430323
SNP_P1_166303_60728	NW_004515649.1	Scaffold25	60728	CC	TT	1940430324
SNP_P1_166304_61777	NW_004515649.1	Scaffold25	61777	TT	CC	1940430325
SNP_P1_166305_61974	NW_004515649.1	Scaffold25	61974	CC	GG	1940430326
SNP_P1_166306_62048	NW_004515649.1	Scaffold25	62048	CC	AA	1940430327
SNP_P1_166308_62383	NW_004515649.1	Scaffold25	62383	AA	GG	1940430328
SNP_P1_166309_64544	NW_004515649.1	Scaffold25	64544	TT	GG	1940430329
SNP_P1_166310_64557	NW_004515649.1	Scaffold25	64557	CC	GG	1940430330
SNP_P1_166311_67171	NW_004515649.1	Scaffold25	67171	AA	GG	1940430331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166313_67978	NW_004515649.1	Scaffold25	67978	TT	CC	1940430333
SNP_P1_166314_68954	NW_004515649.1	Scaffold25	68954	GG	CC	1940430334
SNP_P1_166315_69021	NW_004515649.1	Scaffold25	69021	TT	CC	1940430335
SNP_P1_166316_70207	NW_004515649.1	Scaffold25	70207	GG	AA	1940430336
SNP_P1_166317_71238	NW_004515649.1	Scaffold25	71238	AA	GG	1940430337
SNP_P1_166318_71304	NW_004515649.1	Scaffold25	71304	GG	TT	1940430338
SNP_P1_166319_71340	NW_004515649.1	Scaffold25	71340	GG	CC	1940430339
SNP_P1_166320_71429	NW_004515649.1	Scaffold25	71429	AA	GG	1940430340
SNP_P1_166321_72136	NW_004515649.1	Scaffold25	72136	GG	AA	1940430341
SNP_P1_166322_72137	NW_004515649.1	Scaffold25	72137	AA	GG	1940430343
SNP_P1_166324_72741	NW_004515649.1	Scaffold25	72741	AA	CC	1940430344
SNP_P1_166326_73453	NW_004515649.1	Scaffold25	73453	CC	TT	1940430345
SNP_P1_166327_73699	NW_004515649.1	Scaffold25	73699	GG	CC	1940430346
SNP_P1_166328_73847	NW_004515649.1	Scaffold25	73847	AA	TT	1940430347
SNP_P1_166329_75791	NW_004515649.1	Scaffold25	75791	AA	TT	1940430348
SNP_P1_166330_76056	NW_004515649.1	Scaffold25	76056	AA	CC	1940430349
SNP_P1_166331_76169	NW_004515649.1	Scaffold25	76169	CC	TT	1940430350
SNP_P1_166333_78265	NW_004515649.1	Scaffold25	78265	AA	GG	1940430351
SNP_P1_166334_2453	NW_004515650.1	Scaffold26	2453	AA	GG	1940430352
SNP_P1_166335_2529	NW_004515650.1	Scaffold26	2529	GG	CC	1940430353
SNP_P1_166336_2800	NW_004515650.1	Scaffold26	2800	AA	GG	1940430354
SNP_P1_166337_2830	NW_004515650.1	Scaffold26	2830	CC	AA	1940430355
SNP_P1_166338_6083	NW_004515650.1	Scaffold26	6083	TT	CC	1940430356
SNP_P1_166339_6486	NW_004515650.1	Scaffold26	6486	AA	GG	1940430357
SNP_P1_166340_16259	NW_004515650.1	Scaffold26	16259	AA	GG	1940430358
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SNP_P1_166342_18933	NW_004515650.1	Scaffold26	18933	TT	CC	1940430360
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SNP_P1_166345_18965	NW_004515650.1	Scaffold26	18965	GG	AA	1940430363
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SNP_P1_166348_55828	NW_004515650.1	Scaffold26	55828	TT	CC	1940430366
SNP_P1_166349_55829	NW_004515650.1	Scaffold26	55829	AA	GG	1940430367
SNP_P1_166350_64363	NW_004515650.1	Scaffold26	64363	AA	GG	1940430368
SNP_P1_166351_65357	NW_004515650.1	Scaffold26	65357	AA	CC	1940430369
SNP_P1_166352_72275	NW_004515650.1	Scaffold26	72275	AA	GG	1940430370
SNP_P1_166353_90797	NW_004515650.1	Scaffold26	90797	TT	CC	1940430371
SNP_P1_166354_90806	NW_004515650.1	Scaffold26	90806	CC	GG	1940430372
SNP_P1_166355_108300	NW_004515650.1	Scaffold26	108300	GG	AA	1940430373
SNP_P1_166356_108301	NW_004515650.1	Scaffold26	108301	AA	GG	1940430374

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SNP_P1_166359_112374	NW_004515650.1	Scaffold26	112374	TT	GG	1940430377
SNP_P1_166360_112376	NW_004515650.1	Scaffold26	112376	AA	GG	1940430378
SNP_P1_166361_123390	NW_004515650.1	Scaffold26	123390	GG	AA	1940430379
SNP_P1_166362_145329	NW_004515650.1	Scaffold26	145329	CC	AA	1940430380
SNP_P1_166364_146507	NW_004515650.1	Scaffold26	146507	CC	TT	1940430381
SNP_P1_166365_164743	NW_004515650.1	Scaffold26	164743	AA	GG	1940430382
SNP_P1_166366_170361	NW_004515650.1	Scaffold26	170361	CC	AA	1940430383
SNP_P1_166367_198795	NW_004515650.1	Scaffold26	198795	GG	AA	1940430384
SNP_P1_166368_200227	NW_004515650.1	Scaffold26	200227	TT	AA	1940430385
SNP_P1_166369_208956	NW_004515650.1	Scaffold26	208956	CC	TT	1940430386
SNP_P1_166370_209158	NW_004515650.1	Scaffold26	209158	TT	GG	1940430387
SNP_P1_166371_209193	NW_004515650.1	Scaffold26	209193	AA	GG	1940430388
SNP_P1_166372_209197	NW_004515650.1	Scaffold26	209197	GG	TT	1940430389
SNP_P1_166373_209241	NW_004515650.1	Scaffold26	209241	GG	CC	1940430390
SNP_P1_166374_213545	NW_004515650.1	Scaffold26	213545	GG	TT	1940430391
SNP_P1_166375_224266	NW_004515650.1	Scaffold26	224266	TT	CC	1940430392
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SNP_P1_166377_224308	NW_004515650.1	Scaffold26	224308	TT	AA	1940430394
SNP_P1_166378_224325	NW_004515650.1	Scaffold26	224325	GG	AA	1940430395
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SNP_P1_166380_224358	NW_004515650.1	Scaffold26	224358	GG	AA	1940430397
SNP_P1_166381_227551	NW_004515650.1	Scaffold26	227551	TT	AA	1940430398
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SNP_P1_166383_227565	NW_004515650.1	Scaffold26	227565	AA	CC	1940430400
SNP_P1_166384_227573	NW_004515650.1	Scaffold26	227573	GG	AA	1940430401
SNP_P1_166385_227668	NW_004515650.1	Scaffold26	227668	TT	CC	1940430402
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SNP_P1_166387_294707	NW_004515650.1	Scaffold26	294707	GG	TT	1940430404
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SNP_P1_166396_295077	NW_004515650.1	Scaffold26	295077	CC	TT	1940430413
SNP_P1_166397_295090	NW_004515650.1	Scaffold26	295090	GG	TT	1940430414
SNP_P1_166398_295120	NW_004515650.1	Scaffold26	295120	GG	TT	1940430415
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166401_295168	NW_004515650.1	Scaffold26	295168	CC	TT	1940430418
SNP_P1_166402_295260	NW_004515650.1	Scaffold26	295260	TT	CC	1940430419
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SNP_P1_166404_295368	NW_004515650.1	Scaffold26	295368	CC	GG	1940430421
SNP_P1_166405_314682	NW_004515650.1	Scaffold26	314682	AA	GG	1940430422
SNP_P1_166408_385116	NW_004515650.1	Scaffold26	385116	GG	AA	1940430423
SNP_P1_166409_404327	NW_004515650.1	Scaffold26	404327	TT	AA	1940430424
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SNP_P1_166411_404337	NW_004515650.1	Scaffold26	404337	AA	TT	1940430426
SNP_P1_166412_428907	NW_004515650.1	Scaffold26	428907	CC	TT	1940430427
SNP_P1_166413_429913	NW_004515650.1	Scaffold26	429913	GG	TT	1940430428
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SNP_P1_166416_469708	NW_004515650.1	Scaffold26	469708	GG	AA	1940430431
SNP_P1_166417_469738	NW_004515650.1	Scaffold26	469738	AA	CC	1940430432
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SNP_P1_166420_486102	NW_004515650.1	Scaffold26	486102	TT	CC	1940430435
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SNP_P1_166422_486245	NW_004515650.1	Scaffold26	486245	GG	AA	1940430437
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SNP_P1_166435_501728	NW_004515650.1	Scaffold26	501728	TT	CC	1940430450
SNP_P1_166436_501744	NW_004515650.1	Scaffold26	501744	AA	GG	1940430451
SNP_P1_166437_501806	NW_004515650.1	Scaffold26	501806	CC	TT	1940430452
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SNP_P1_166439_502371	NW_004515650.1	Scaffold26	502371	TT	CC	1940430454
SNP_P1_166440_502420	NW_004515650.1	Scaffold26	502420	TT	CC	1940430455
SNP_P1_166441_502423	NW_004515650.1	Scaffold26	502423	GG	AA	1940430456
SNP_P1_166442_502426	NW_004515650.1	Scaffold26	502426	AA	CC	1940430457
SNP_P1_166443_502818	NW_004515650.1	Scaffold26	502818	GG	AA	1940430458

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166447_502966	NW_004515650.1	Scaffold26	502966	TT	CC	1940430462
SNP_P1_166448_503238	NW_004515650.1	Scaffold26	503238	AA	GG	1940430463
SNP_P1_166449_503260	NW_004515650.1	Scaffold26	503260	GG	AA	1940430464
SNP_P1_166450_503274	NW_004515650.1	Scaffold26	503274	AA	GG	1940430465
SNP_P1_166451_503289	NW_004515650.1	Scaffold26	503289	GG	CC	1940430466
SNP_P1_166452_503328	NW_004515650.1	Scaffold26	503328	AA	GG	1940430467
SNP_P1_166453_503354	NW_004515650.1	Scaffold26	503354	TT	CC	1940430468
SNP_P1_166454_503370	NW_004515650.1	Scaffold26	503370	AA	GG	1940430469
SNP_P1_166455_503376	NW_004515650.1	Scaffold26	503376	CC	TT	1940430470
SNP_P1_166456_503383	NW_004515650.1	Scaffold26	503383	TT	CC	1940430471
SNP_P1_166457_503393	NW_004515650.1	Scaffold26	503393	GG	AA	1940430472
SNP_P1_166458_503409	NW_004515650.1	Scaffold26	503409	TT	CC	1940430473
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SNP_P1_166460_503437	NW_004515650.1	Scaffold26	503437	TT	CC	1940430475
SNP_P1_166462_505472	NW_004515650.1	Scaffold26	505472	AA	GG	1940430476
SNP_P1_166463_506055	NW_004515650.1	Scaffold26	506055	AA	GG	1940430477
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SNP_P1_166466_511075	NW_004515650.1	Scaffold26	511075	CC	AA	1940430479
SNP_P1_166467_512547	NW_004515650.1	Scaffold26	512547	CC	GG	1940430480
SNP_P1_166468_514251	NW_004515650.1	Scaffold26	514251	AA	CC	1940430481
SNP_P1_166469_529576	NW_004515650.1	Scaffold26	529576	CC	AA	1940430482
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SNP_P1_166473_575643	NW_004515650.1	Scaffold26	575643	AA	TT	1940430487
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SNP_P1_166477_575747	NW_004515650.1	Scaffold26	575747	CC	GG	1940430491
SNP_P1_166479_575776	NW_004515650.1	Scaffold26	575776	CC	AA	1940430492
SNP_P1_166480_575788	NW_004515650.1	Scaffold26	575788	GG	AA	1940430493
SNP_P1_166481_64	NW_004515651.1	Scaffold29	64	GG	AA	1940430494
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SNP_P1_166483_404	NW_004515651.1	Scaffold29	404	GG	AA	1940430496
SNP_P1_166484_658	NW_004515651.1	Scaffold29	658	TT	GG	1940430497
SNP_P1_166485_661	NW_004515651.1	Scaffold29	661	AA	CC	1940430498
SNP_P1_166486_670	NW_004515651.1	Scaffold29	670	CC	AA	1940430499
SNP_P1_166487_761	NW_004515651.1	Scaffold29	761	TT	CC	1940430500
SNP_P1_166488_3108	NW_004515651.1	Scaffold29	3108	AA	TT	1940430501

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166492_5704	NW_004515651.1	Scaffold29	5704	GG	AA	1940430504
SNP_P1_166493_5897	NW_004515651.1	Scaffold29	5897	GG	AA	1940430505
SNP_P1_166494_7416	NW_004515651.1	Scaffold29	7416	AA	GG	1940430506
SNP_P1_166495_7782	NW_004515651.1	Scaffold29	7782	TT	CC	1940430507
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SNP_P1_166497_12335	NW_004515651.1	Scaffold29	12335	TT	CC	1940430509
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SNP_P1_166499_12789	NW_004515651.1	Scaffold29	12789	TT	CC	1940430511
SNP_P1_166500_16856	NW_004515651.1	Scaffold29	16856	TT	AA	1940430512
SNP_P1_166501_18131	NW_004515651.1	Scaffold29	18131	CC	AA	1940430513
SNP_P1_166502_19935	NW_004515651.1	Scaffold29	19935	AA	GG	1940430514
SNP_P1_166503_22273	NW_004515651.1	Scaffold29	22273	GG	AA	1940430515
SNP_P1_166504_22335	NW_004515651.1	Scaffold29	22335	CC	GG	1940430516
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SNP_P1_166506_22387	NW_004515651.1	Scaffold29	22387	TT	AA	1940430518
SNP_P1_166507_22448	NW_004515651.1	Scaffold29	22448	CC	AA	1940430519
SNP_P1_166508_22758	NW_004515651.1	Scaffold29	22758	CC	TT	1940430520
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SNP_P1_166526_56238	NW_004515651.1	Scaffold29	56238	GG	AA	1940430538
SNP_P1_166527_63119	NW_004515651.1	Scaffold29	63119	CC	TT	1940430539
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SNP_P1_166530_63311	NW_004515651.1	Scaffold29	63311	TT	CC	1940430542
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166543_91249	NW_004515651.1	Scaffold29	91249	GG	TT	1940430555
SNP_P1_166544_91251	NW_004515651.1	Scaffold29	91251	GG	TT	1940430556
SNP_P1_166545_91274	NW_004515651.1	Scaffold29	91274	CC	AA	1940430557
SNP_P1_166546_91284	NW_004515651.1	Scaffold29	91284	TT	CC	1940430558
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166576_95896	NW_004515651.1	Scaffold29	95896	CC	AA	1940430588
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SNP_P1_166579_96463	NW_004515651.1	Scaffold29	96463	GG	AA	1940430591
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SNP_P1_166583_97803	NW_004515651.1	Scaffold29	97803	AA	TT	1940430595
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SNP_P1_166585_97989	NW_004515651.1	Scaffold29	97989	TT	GG	1940430597
SNP_P1_166586_98031	NW_004515651.1	Scaffold29	98031	CC	TT	1940430598
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SNP_P1_166588_98067	NW_004515651.1	Scaffold29	98067	CC	GG	1940430600
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SNP_P1_166590_98162	NW_004515651.1	Scaffold29	98162	CC	TT	1940430602
SNP_P1_166591_98205	NW_004515651.1	Scaffold29	98205	AA	GG	1940430603
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SNP_P1_166593_98403	NW_004515651.1	Scaffold29	98403	CC	TT	1940430605
SNP_P1_166594_98449	NW_004515651.1	Scaffold29	98449	CC	TT	1940430606
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SNP_P1_166597_98638	NW_004515651.1	Scaffold29	98638	GG	CC	1940430609
SNP_P1_166598_98659	NW_004515651.1	Scaffold29	98659	TT	AA	1940430610
SNP_P1_166599_98685	NW_004515651.1	Scaffold29	98685	TT	CC	1940430611
SNP_P1_166600_98702	NW_004515651.1	Scaffold29	98702	TT	AA	1940430612
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SNP_P1_166602_98758	NW_004515651.1	Scaffold29	98758	TT	CC	1940430614
SNP_P1_166603_98837	NW_004515651.1	Scaffold29	98837	GG	AA	1940430615
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SNP_P1_166606_98893	NW_004515651.1	Scaffold29	98893	TT	CC	1940430618
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SNP_P1_166611_99101	NW_004515651.1	Scaffold29	99101	TT	CC	1940430624
SNP_P1_166612_99223	NW_004515651.1	Scaffold29	99223	CC	AA	1940430625
SNP_P1_166613_100657	NW_004515651.1	Scaffold29	100657	GG	AA	1940430626
SNP_P1_166614_100738	NW_004515651.1	Scaffold29	100738	AA	CC	1940430627
SNP_P1_166615_100765	NW_004515651.1	Scaffold29	100765	TT	GG	1940430628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166620_101142	NW_004515651.1	Scaffold29	101142	TT	AA	1940430632
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SNP_P1_166622_101186	NW_004515651.1	Scaffold29	101186	CC	TT	1940430634
SNP_P1_166623_101381	NW_004515651.1	Scaffold29	101381	TT	AA	1940430635
SNP_P1_166624_101406	NW_004515651.1	Scaffold29	101406	AA	TT	1940430636
SNP_P1_166625_101414	NW_004515651.1	Scaffold29	101414	TT	CC	1940430637
SNP_P1_166626_101552	NW_004515651.1	Scaffold29	101552	GG	CC	1940430638
SNP_P1_166627_101585	NW_004515651.1	Scaffold29	101585	TT	AA	1940430639
SNP_P1_166628_101590	NW_004515651.1	Scaffold29	101590	AA	GG	1940430640
SNP_P1_166629_101606	NW_004515651.1	Scaffold29	101606	CC	TT	1940430641
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SNP_P1_166631_101654	NW_004515651.1	Scaffold29	101654	TT	CC	1940430643
SNP_P1_166632_101659	NW_004515651.1	Scaffold29	101659	CC	TT	1940430644
SNP_P1_166633_101693	NW_004515651.1	Scaffold29	101693	CC	GG	1940430645
SNP_P1_166634_101738	NW_004515651.1	Scaffold29	101738	TT	CC	1940430646
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SNP_P1_166642_102188	NW_004515651.1	Scaffold29	102188	AA	GG	1940430654
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SNP_P1_166644_102321	NW_004515651.1	Scaffold29	102321	AA	GG	1940430656
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SNP_P1_166647_102474	NW_004515651.1	Scaffold29	102474	GG	CC	1940430659
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SNP_P1_166651_102616	NW_004515651.1	Scaffold29	102616	AA	CC	1940430663
SNP_P1_166652_102617	NW_004515651.1	Scaffold29	102617	TT	GG	1940430664
SNP_P1_166653_102631	NW_004515651.1	Scaffold29	102631	CC	AA	1940430665
SNP_P1_166654_102640	NW_004515651.1	Scaffold29	102640	TT	AA	1940430666
SNP_P1_166655_102650	NW_004515651.1	Scaffold29	102650	CC	AA	1940430667
SNP_P1_166656_102962	NW_004515651.1	Scaffold29	102962	GG	AA	1940430668
SNP_P1_166657_103219	NW_004515651.1	Scaffold29	103219	GG	AA	1940430669
SNP_P1_166658_104183	NW_004515651.1	Scaffold29	104183	GG	AA	1940430670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166661_108921	NW_004515651.1	Scaffold29	108921	TT	CC	1940430672
SNP_P1_166662_109137	NW_004515651.1	Scaffold29	109137	GG	CC	1940430673
SNP_P1_166663_109240	NW_004515651.1	Scaffold29	109240	GG	AA	1940430674
SNP_P1_166664_109490	NW_004515651.1	Scaffold29	109490	TT	GG	1940430675
SNP_P1_166666_109507	NW_004515651.1	Scaffold29	109507	GG	AA	1940430676
SNP_P1_166667_110603	NW_004515651.1	Scaffold29	110603	CC	GG	1940430677
SNP_P1_166668_112031	NW_004515651.1	Scaffold29	112031	TT	CC	1940430678
SNP_P1_166669_112168	NW_004515651.1	Scaffold29	112168	AA	GG	1940430679
SNP_P1_166670_116086	NW_004515651.1	Scaffold29	116086	CC	AA	1940430680
SNP_P1_166671_117850	NW_004515651.1	Scaffold29	117850	AA	TT	1940430681
SNP_P1_166672_118112	NW_004515651.1	Scaffold29	118112	GG	TT	1940430682
SNP_P1_166673_118140	NW_004515651.1	Scaffold29	118140	GG	TT	1940430683
SNP_P1_166674_118141	NW_004515651.1	Scaffold29	118141	TT	CC	1940430684
SNP_P1_166675_118164	NW_004515651.1	Scaffold29	118164	AA	GG	1940430685
SNP_P1_166676_118207	NW_004515651.1	Scaffold29	118207	TT	CC	1940430686
SNP_P1_166677_118708	NW_004515651.1	Scaffold29	118708	CC	TT	1940430687
SNP_P1_166678_120029	NW_004515651.1	Scaffold29	120029	CC	TT	1940430688
SNP_P1_166679_120040	NW_004515651.1	Scaffold29	120040	TT	CC	1940430689
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SNP_P1_166681_120082	NW_004515651.1	Scaffold29	120082	TT	CC	1940430691
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SNP_P1_166684_120135	NW_004515651.1	Scaffold29	120135	CC	TT	1940430694
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SNP_P1_166686_120140	NW_004515651.1	Scaffold29	120140	TT	CC	1940430696
SNP_P1_166687_120258	NW_004515651.1	Scaffold29	120258	TT	CC	1940430697
SNP_P1_166688_120275	NW_004515651.1	Scaffold29	120275	TT	GG	1940430698
SNP_P1_166689_120277	NW_004515651.1	Scaffold29	120277	AA	TT	1940430699
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SNP_P1_166693_120748	NW_004515651.1	Scaffold29	120748	TT	GG	1940430703
SNP_P1_166694_120801	NW_004515651.1	Scaffold29	120801	TT	CC	1940430704
SNP_P1_166695_120892	NW_004515651.1	Scaffold29	120892	AA	TT	1940430705
SNP_P1_166696_120929	NW_004515651.1	Scaffold29	120929	AA	GG	1940430706
SNP_P1_166697_120959	NW_004515651.1	Scaffold29	120959	AA	TT	1940430707
SNP_P1_166698_121000	NW_004515651.1	Scaffold29	121000	GG	TT	1940430708
SNP_P1_166699_121048	NW_004515651.1	Scaffold29	121048	AA	CC	1940430709
SNP_P1_166700_121063	NW_004515651.1	Scaffold29	121063	GG	CC	1940430710
SNP_P1_166701_121088	NW_004515651.1	Scaffold29	121088	GG	CC	1940430711
SNP_P1_166702_121859	NW_004515651.1	Scaffold29	121859	GG	AA	1940430712

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166705_129159	NW_004515651.1	Scaffold29	129159	CC	AA	1940430715
SNP_P1_166706_134810	NW_004515651.1	Scaffold29	134810	TT	AA	1940430716
SNP_P1_166707_134817	NW_004515651.1	Scaffold29	134817	GG	CC	1940430717
SNP_P1_166708_134841	NW_004515651.1	Scaffold29	134841	TT	CC	1940430718
SNP_P1_166709_134874	NW_004515651.1	Scaffold29	134874	CC	AA	1940430719
SNP_P1_166710_134952	NW_004515651.1	Scaffold29	134952	TT	CC	1940430720
SNP_P1_166711_134953	NW_004515651.1	Scaffold29	134953	GG	AA	1940430721
SNP_P1_166712_134958	NW_004515651.1	Scaffold29	134958	CC	GG	1940430722
SNP_P1_166713_134960	NW_004515651.1	Scaffold29	134960	AA	GG	1940430723
SNP_P1_166714_134965	NW_004515651.1	Scaffold29	134965	CC	AA	1940430724
SNP_P1_166715_134973	NW_004515651.1	Scaffold29	134973	AA	TT	1940430725
SNP_P1_166716_134988	NW_004515651.1	Scaffold29	134988	TT	AA	1940430726
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SNP_P1_166720_135066	NW_004515651.1	Scaffold29	135066	TT	GG	1940430730
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SNP_P1_166739_137966	NW_004515651.1	Scaffold29	137966	CC	GG	1940430750
SNP_P1_166740_138001	NW_004515651.1	Scaffold29	138001	GG	AA	1940430751
SNP_P1_166741_138079	NW_004515651.1	Scaffold29	138079	CC	GG	1940430752
SNP_P1_166742_138182	NW_004515651.1	Scaffold29	138182	GG	CC	1940430753
SNP_P1_166743_138205	NW_004515651.1	Scaffold29	138205	TT	CC	1940430754
SNP_P1_166744_138237	NW_004515651.1	Scaffold29	138237	GG	AA	1940430755

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166747_138381	NW_004515651.1	Scaffold29	138381	TT	CC	1940430758
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SNP_P1_166753_138608	NW_004515651.1	Scaffold29	138608	GG	TT	1940430764
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SNP_P1_166756_145033	NW_004515651.1	Scaffold29	145033	TT	CC	1940430767
SNP_P1_166757_145215	NW_004515651.1	Scaffold29	145215	AA	GG	1940430768
SNP_P1_166758_145230	NW_004515651.1	Scaffold29	145230	AA	TT	1940430769
SNP_P1_166759_145309	NW_004515651.1	Scaffold29	145309	TT	AA	1940430770
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SNP_P1_166775_147502	NW_004515651.1	Scaffold29	147502	GG	CC	1940430786
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SNP_P1_166779_150801	NW_004515651.1	Scaffold29	150801	CC	TT	1940430790
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SNP_P1_166783_150898	NW_004515651.1	Scaffold29	150898	GG	AA	1940430794
SNP_P1_166784_150929	NW_004515651.1	Scaffold29	150929	AA	TT	1940430795
SNP_P1_166785_150936	NW_004515651.1	Scaffold29	150936	TT	CC	1940430796
SNP_P1_166786_151154	NW_004515651.1	Scaffold29	151154	AA	GG	1940430797

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166789_163993	NW_004515651.1	Scaffold29	163993	AA	GG	1940430800
SNP_P1_166790_164043	NW_004515651.1	Scaffold29	164043	AA	GG	1940430801
SNP_P1_166791_167368	NW_004515651.1	Scaffold29	167368	AA	GG	1940430802
SNP_P1_166792_167403	NW_004515651.1	Scaffold29	167403	GG	TT	1940430803
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SNP_P1_166794_184459	NW_004515651.1	Scaffold29	184459	TT	AA	1940430805
SNP_P1_166795_186959	NW_004515651.1	Scaffold29	186959	AA	TT	1940430806
SNP_P1_166796_198427	NW_004515651.1	Scaffold29	198427	CC	AA	1940430807
SNP_P1_166797_198531	NW_004515651.1	Scaffold29	198531	GG	AA	1940430808
SNP_P1_166798_198553	NW_004515651.1	Scaffold29	198553	GG	CC	1940430809
SNP_P1_166800_200926	NW_004515651.1	Scaffold29	200926	AA	GG	1940430810
SNP_P1_166801_200958	NW_004515651.1	Scaffold29	200958	TT	CC	1940430811
SNP_P1_166802_205461	NW_004515651.1	Scaffold29	205461	TT	GG	1940430812
SNP_P1_166803_209417	NW_004515651.1	Scaffold29	209417	AA	CC	1940430813
SNP_P1_166804_209496	NW_004515651.1	Scaffold29	209496	TT	GG	1940430814
SNP_P1_166805_209499	NW_004515651.1	Scaffold29	209499	TT	GG	1940430815
SNP_P1_166806_209543	NW_004515651.1	Scaffold29	209543	AA	CC	1940430816
SNP_P1_166807_209562	NW_004515651.1	Scaffold29	209562	GG	AA	1940430817
SNP_P1_166808_209571	NW_004515651.1	Scaffold29	209571	AA	GG	1940430818
SNP_P1_166809_209641	NW_004515651.1	Scaffold29	209641	AA	GG	1940430819
SNP_P1_166810_209651	NW_004515651.1	Scaffold29	209651	AA	GG	1940430820
SNP_P1_166811_209682	NW_004515651.1	Scaffold29	209682	CC	TT	1940430821
SNP_P1_166812_209690	NW_004515651.1	Scaffold29	209690	TT	GG	1940430822
SNP_P1_166813_209711	NW_004515651.1	Scaffold29	209711	AA	GG	1940430823
SNP_P1_166814_209754	NW_004515651.1	Scaffold29	209754	GG	TT	1940430824
SNP_P1_166815_209764	NW_004515651.1	Scaffold29	209764	TT	CC	1940430825
SNP_P1_166816_209946	NW_004515651.1	Scaffold29	209946	CC	TT	1940430826
SNP_P1_166817_214834	NW_004515651.1	Scaffold29	214834	AA	GG	1940430827
SNP_P1_166818_218462	NW_004515651.1	Scaffold29	218462	GG	AA	1940430828
SNP_P1_166819_222043	NW_004515651.1	Scaffold29	222043	GG	AA	1940430829
SNP_P1_166820_222104	NW_004515651.1	Scaffold29	222104	CC	GG	1940430830
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SNP_P1_166825_230732	NW_004515651.1	Scaffold29	230732	GG	TT	1940430835
SNP_P1_166826_230773	NW_004515651.1	Scaffold29	230773	CC	TT	1940430836
SNP_P1_166827_232019	NW_004515651.1	Scaffold29	232019	GG	AA	1940430837
SNP_P1_166828_233622	NW_004515651.1	Scaffold29	233622	AA	TT	1940430838
SNP_P1_166829_233632	NW_004515651.1	Scaffold29	233632	CC	TT	1940430839

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166831_234317	NW_004515651.1	Scaffold29	234317	CC	AA	1940430841
SNP_P1_166832_234373	NW_004515651.1	Scaffold29	234373	CC	TT	1940430842
SNP_P1_166833_234374	NW_004515651.1	Scaffold29	234374	AA	GG	1940430843
SNP_P1_166834_234785	NW_004515651.1	Scaffold29	234785	TT	CC	1940430844
SNP_P1_166835_236577	NW_004515651.1	Scaffold29	236577	GG	TT	1940430845
SNP_P1_166836_238914	NW_004515651.1	Scaffold29	238914	CC	TT	1940430846
SNP_P1_166837_238929	NW_004515651.1	Scaffold29	238929	TT	CC	1940430847
SNP_P1_166838_238954	NW_004515651.1	Scaffold29	238954	GG	AA	1940430848
SNP_P1_166839_239332	NW_004515651.1	Scaffold29	239332	AA	GG	1940430849
SNP_P1_166840_240217	NW_004515651.1	Scaffold29	240217	AA	GG	1940430850
SNP_P1_166841_241573	NW_004515651.1	Scaffold29	241573	TT	CC	1940430851
SNP_P1_166842_241581	NW_004515651.1	Scaffold29	241581	TT	AA	1940430852
SNP_P1_166843_241625	NW_004515651.1	Scaffold29	241625	AA	GG	1940430853
SNP_P1_166844_241648	NW_004515651.1	Scaffold29	241648	GG	TT	1940430854
SNP_P1_166845_241941	NW_004515651.1	Scaffold29	241941	GG	TT	1940430855
SNP_P1_166846_242267	NW_004515651.1	Scaffold29	242267	TT	AA	1940430856
SNP_P1_166847_242312	NW_004515651.1	Scaffold29	242312	AA	CC	1940430857
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SNP_P1_166851_242387	NW_004515651.1	Scaffold29	242387	AA	GG	1940430861
SNP_P1_166852_547	NW_004515652.1	Scaffold30	547	CC	TT	1940430862
SNP_P1_166853_830	NW_004515652.1	Scaffold30	830	CC	AA	1940430863
SNP_P1_166854_1564	NW_004515652.1	Scaffold30	1564	AA	TT	1940430864
SNP_P1_166855_1600	NW_004515652.1	Scaffold30	1600	TT	CC	1940430865
SNP_P1_166856_1654	NW_004515652.1	Scaffold30	1654	CC	TT	1940430866
SNP_P1_166857_1759	NW_004515652.1	Scaffold30	1759	GG	AA	1940430867
SNP_P1_166858_1813	NW_004515652.1	Scaffold30	1813	TT	GG	1940430868
SNP_P1_166859_1828	NW_004515652.1	Scaffold30	1828	TT	CC	1940430869
SNP_P1_166860_1873	NW_004515652.1	Scaffold30	1873	TT	CC	1940430870
SNP_P1_166861_1908	NW_004515652.1	Scaffold30	1908	AA	GG	1940430871
SNP_P1_166862_1912	NW_004515652.1	Scaffold30	1912	GG	AA	1940430872
SNP_P1_166863_1921	NW_004515652.1	Scaffold30	1921	AA	CC	1940430873
SNP_P1_166864_1936	NW_004515652.1	Scaffold30	1936	TT	CC	1940430874
SNP_P1_166865_1946	NW_004515652.1	Scaffold30	1946	GG	AA	1940430875
SNP_P1_166866_1957	NW_004515652.1	Scaffold30	1957	CC	TT	1940430876
SNP_P1_166867_1984	NW_004515652.1	Scaffold30	1984	TT	CC	1940430877
SNP_P1_166868_1992	NW_004515652.1	Scaffold30	1992	TT	CC	1940430878
SNP_P1_166869_2001	NW_004515652.1	Scaffold30	2001	AA	CC	1940430879
SNP_P1_166870_2002	NW_004515652.1	Scaffold30	2002	TT	CC	1940430880
SNP_P1_166871_2004	NW_004515652.1	Scaffold30	2004	GG	CC	1940430881

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166873_2041	NW_004515652.1	Scaffold30	2041	GG	AA	1940430883
SNP_P1_166874_2050	NW_004515652.1	Scaffold30	2050	TT	CC	1940430884
SNP_P1_166875_2056	NW_004515652.1	Scaffold30	2056	TT	AA	1940430885
SNP_P1_166876_2064	NW_004515652.1	Scaffold30	2064	TT	CC	1940430886
SNP_P1_166877_11021	NW_004515652.1	Scaffold30	11021	CC	TT	1940430887
SNP_P1_166880_12708	NW_004515652.1	Scaffold30	12708	CC	TT	1940430888
SNP_P1_166881_12717	NW_004515652.1	Scaffold30	12717	GG	AA	1940430889
SNP_P1_166882_23881	NW_004515652.1	Scaffold30	23881	GG	AA	1940430890
SNP_P1_166884_28187	NW_004515652.1	Scaffold30	28187	TT	CC	1940430891
SNP_P1_166885_44820	NW_004515652.1	Scaffold30	44820	AA	CC	1940430892
SNP_P1_166886_51317	NW_004515652.1	Scaffold30	51317	TT	AA	1940430893
SNP_P1_166887_51322	NW_004515652.1	Scaffold30	51322	CC	TT	1940430894
SNP_P1_166888_56567	NW_004515652.1	Scaffold30	56567	CC	TT	1940430895
SNP_P1_166889_59926	NW_004515652.1	Scaffold30	59926	CC	TT	1940430896
SNP_P1_166890_67121	NW_004515652.1	Scaffold30	67121	AA	TT	1940430897
SNP_P1_166891_67126	NW_004515652.1	Scaffold30	67126	CC	AA	1940430898
SNP_P1_166892_67137	NW_004515652.1	Scaffold30	67137	TT	GG	1940430900
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SNP_P1_166897_72545	NW_004515652.1	Scaffold30	72545	AA	CC	1940430905
SNP_P1_166898_74364	NW_004515652.1	Scaffold30	74364	GG	CC	1940430906
SNP_P1_166899_78673	NW_004515652.1	Scaffold30	78673	TT	AA	1940430907
SNP_P1_166900_78743	NW_004515652.1	Scaffold30	78743	TT	CC	1940430908
SNP_P1_166901_78778	NW_004515652.1	Scaffold30	78778	TT	GG	1940430909
SNP_P1_166902_78800	NW_004515652.1	Scaffold30	78800	CC	AA	1940430910
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SNP_P1_166904_79011	NW_004515652.1	Scaffold30	79011	CC	TT	1940430912
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SNP_P1_166906_79066	NW_004515652.1	Scaffold30	79066	AA	GG	1940430914
SNP_P1_166907_84912	NW_004515652.1	Scaffold30	84912	AA	GG	1940430915
SNP_P1_166908_85346	NW_004515652.1	Scaffold30	85346	AA	GG	1940430916
SNP_P1_166909_85661	NW_004515652.1	Scaffold30	85661	TT	AA	1940430917
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SNP_P1_166915_86068	NW_004515652.1	Scaffold30	86068	CC	TT	1940430922
SNP_P1_166916_86070	NW_004515652.1	Scaffold30	86070	CC	TT	1940430923
SNP_P1_166917_86108	NW_004515652.1	Scaffold30	86108	GG	CC	1940430924

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166919_86192	NW_004515652.1	Scaffold30	86192	TT	CC	1940430926
SNP_P1_166921_89499	NW_004515652.1	Scaffold30	89499	GG	AA	1940430927
SNP_P1_166922_92775	NW_004515652.1	Scaffold30	92775	TT	GG	1940430928
SNP_P1_166923_92780	NW_004515652.1	Scaffold30	92780	GG	CC	1940430929
SNP_P1_166924_92787	NW_004515652.1	Scaffold30	92787	AA	CC	1940430930
SNP_P1_166925_93143	NW_004515652.1	Scaffold30	93143	AA	TT	1940430931
SNP_P1_166926_93152	NW_004515652.1	Scaffold30	93152	CC	TT	1940430932
SNP_P1_166927_93154	NW_004515652.1	Scaffold30	93154	TT	CC	1940430933
SNP_P1_166928_93156	NW_004515652.1	Scaffold30	93156	GG	AA	1940430934
SNP_P1_166929_93169	NW_004515652.1	Scaffold30	93169	TT	CC	1940430935
SNP_P1_166930_93170	NW_004515652.1	Scaffold30	93170	GG	TT	1940430936
SNP_P1_166931_93183	NW_004515652.1	Scaffold30	93183	AA	GG	1940430937
SNP_P1_166932_93185	NW_004515652.1	Scaffold30	93185	CC	AA	1940430938
SNP_P1_166933_93298	NW_004515652.1	Scaffold30	93298	CC	TT	1940430939
SNP_P1_166934_97084	NW_004515652.1	Scaffold30	97084	CC	AA	1940430940
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SNP_P1_166936_98723	NW_004515652.1	Scaffold30	98723	CC	AA	1940430942
SNP_P1_166937_98755	NW_004515652.1	Scaffold30	98755	AA	CC	1940430943
SNP_P1_166938_98980	NW_004515652.1	Scaffold30	98980	TT	AA	1940430944
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SNP_P1_166943_110106	NW_004515652.1	Scaffold30	110106	TT	AA	1940430948
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SNP_P1_166945_111739	NW_004515652.1	Scaffold30	111739	AA	TT	1940430950
SNP_P1_166946_119446	NW_004515652.1	Scaffold30	119446	GG	AA	1940430951
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SNP_P1_166948_119455	NW_004515652.1	Scaffold30	119455	TT	CC	1940430953
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SNP_P1_166951_125865	NW_004515652.1	Scaffold30	125865	AA	TT	1940430956
SNP_P1_166952_126125	NW_004515652.1	Scaffold30	126125	TT	CC	1940430957
SNP_P1_166953_126175	NW_004515652.1	Scaffold30	126175	GG	TT	1940430958
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SNP_P1_166955_127887	NW_004515652.1	Scaffold30	127887	AA	TT	1940430960
SNP_P1_166956_131014	NW_004515652.1	Scaffold30	131014	CC	AA	1940430961
SNP_P1_166957_131059	NW_004515652.1	Scaffold30	131059	CC	GG	1940430962
SNP_P1_166958_131068	NW_004515652.1	Scaffold30	131068	CC	AA	1940430963
SNP_P1_166959_131071	NW_004515652.1	Scaffold30	131071	CC	AA	1940430964
SNP_P1_166960_131072	NW_004515652.1	Scaffold30	131072	CC	TT	1940430965
SNP_P1_166961_135354	NW_004515652.1	Scaffold30	135354	CC	AA	1940430966

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_166964_136493	NW_004515652.1	Scaffold30	136493	GG	AA	1940430969
SNP_P1_166965_136523	NW_004515652.1	Scaffold30	136523	AA	CC	1940430970
SNP_P1_166966_136525	NW_004515652.1	Scaffold30	136525	AA	TT	1940430971
SNP_P1_166967_136537	NW_004515652.1	Scaffold30	136537	CC	TT	1940430972
SNP_P1_166968_136543	NW_004515652.1	Scaffold30	136543	AA	TT	1940430973
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SNP_P1_166972_16626	NW_004515653.1	Scaffold36	16626	GG	AA	1940430977
SNP_P1_166973_20845	NW_004515653.1	Scaffold36	20845	GG	AA	1940430978
SNP_P1_166974_21340	NW_004515653.1	Scaffold36	21340	AA	TT	1940430979
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SNP_P1_166976_24955	NW_004515653.1	Scaffold36	24955	CC	AA	1940430981
SNP_P1_166977_32518	NW_004515653.1	Scaffold36	32518	CC	GG	1940430982
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SNP_P1_166997_203797	NW_004515653.1	Scaffold36	203797	AA	GG	1940431000
SNP_P1_166998_209556	NW_004515653.1	Scaffold36	209556	GG	TT	1940431001
SNP_P1_166999_209770	NW_004515653.1	Scaffold36	209770	TT	CC	1940431002
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SNP_P1_167002_210761	NW_004515653.1	Scaffold36	210761	TT	AA	1940431005
SNP_P1_167003_214959	NW_004515653.1	Scaffold36	214959	AA	GG	1940431006
SNP_P1_167004_214985	NW_004515653.1	Scaffold36	214985	AA	TT	1940431007
SNP_P1_167005_214986	NW_004515653.1	Scaffold36	214986	TT	AA	1940431008

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167008_215062	NW_004515653.1	Scaffold36	215062	AA	TT	1940431011
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SNP_P1_167011_221519	NW_004515653.1	Scaffold36	221519	AA	CC	1940431014
SNP_P1_167012_221866	NW_004515653.1	Scaffold36	221866	AA	GG	1940431015
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SNP_P1_167015_221944	NW_004515653.1	Scaffold36	221944	GG	TT	1940431018
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SNP_P1_167017_221965	NW_004515653.1	Scaffold36	221965	GG	AA	1940431020
SNP_P1_167018_221966	NW_004515653.1	Scaffold36	221966	GG	AA	1940431021
SNP_P1_167019_221969	NW_004515653.1	Scaffold36	221969	TT	CC	1940431022
SNP_P1_167020_221999	NW_004515653.1	Scaffold36	221999	AA	CC	1940431023
SNP_P1_167021_222030	NW_004515653.1	Scaffold36	222030	GG	CC	1940431024
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SNP_P1_167023_222067	NW_004515653.1	Scaffold36	222067	TT	GG	1940431026
SNP_P1_167024_222139	NW_004515653.1	Scaffold36	222139	TT	CC	1940431027
SNP_P1_167025_222164	NW_004515653.1	Scaffold36	222164	TT	GG	1940431028
SNP_P1_167026_222225	NW_004515653.1	Scaffold36	222225	AA	TT	1940431029
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SNP_P1_167029_222396	NW_004515653.1	Scaffold36	222396	GG	CC	1940431032
SNP_P1_167030_222621	NW_004515653.1	Scaffold36	222621	CC	TT	1940431033
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SNP_P1_167032_228215	NW_004515653.1	Scaffold36	228215	TT	AA	1940431035
SNP_P1_167033_228223	NW_004515653.1	Scaffold36	228223	AA	GG	1940431036
SNP_P1_167035_236762	NW_004515653.1	Scaffold36	236762	TT	CC	1940431037
SNP_P1_167036_236770	NW_004515653.1	Scaffold36	236770	AA	GG	1940431038
SNP_P1_167037_236798	NW_004515653.1	Scaffold36	236798	TT	CC	1940431039
SNP_P1_167038_236799	NW_004515653.1	Scaffold36	236799	GG	AA	1940431040
SNP_P1_167039_236808	NW_004515653.1	Scaffold36	236808	TT	AA	1940431041
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SNP_P1_167046_241512	NW_004515653.1	Scaffold36	241512	AA	GG	1940431048
SNP_P1_167047_241536	NW_004515653.1	Scaffold36	241536	TT	AA	1940431049
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167051_261041	NW_004515653.1	Scaffold36	261041	TT	GG	1940431053
SNP_P1_167052_261167	NW_004515653.1	Scaffold36	261167	CC	TT	1940431055
SNP_P1_167053_261171	NW_004515653.1	Scaffold36	261171	CC	GG	1940431056
SNP_P1_167054_261237	NW_004515653.1	Scaffold36	261237	AA	TT	1940431057
SNP_P1_167055_261238	NW_004515653.1	Scaffold36	261238	GG	TT	1940431058
SNP_P1_167056_261239	NW_004515653.1	Scaffold36	261239	TT	GG	1940431059
SNP_P1_167057_267312	NW_004515653.1	Scaffold36	267312	GG	CC	1940431060
SNP_P1_167058_267319	NW_004515653.1	Scaffold36	267319	TT	CC	1940431061
SNP_P1_167059_267320	NW_004515653.1	Scaffold36	267320	GG	AA	1940431062
SNP_P1_167060_272725	NW_004515653.1	Scaffold36	272725	TT	AA	1940431063
SNP_P1_167061_272726	NW_004515653.1	Scaffold36	272726	CC	TT	1940431064
SNP_P1_167062_272773	NW_004515653.1	Scaffold36	272773	CC	TT	1940431065
SNP_P1_167063_272775	NW_004515653.1	Scaffold36	272775	AA	CC	1940431066
SNP_P1_167064_276841	NW_004515653.1	Scaffold36	276841	CC	TT	1940431067
SNP_P1_167065_276842	NW_004515653.1	Scaffold36	276842	AA	GG	1940431068
SNP_P1_167066_281332	NW_004515653.1	Scaffold36	281332	CC	GG	1940431069
SNP_P1_167067_281334	NW_004515653.1	Scaffold36	281334	GG	AA	1940431070
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SNP_P1_167070_283426	NW_004515653.1	Scaffold36	283426	TT	CC	1940431073
SNP_P1_167071_283455	NW_004515653.1	Scaffold36	283455	AA	CC	1940431074
SNP_P1_167072_283477	NW_004515653.1	Scaffold36	283477	CC	AA	1940431075
SNP_P1_167073_283741	NW_004515653.1	Scaffold36	283741	GG	AA	1940431076
SNP_P1_167074_283771	NW_004515653.1	Scaffold36	283771	AA	CC	1940431077
SNP_P1_167075_291725	NW_004515653.1	Scaffold36	291725	TT	AA	1940431078
SNP_P1_167077_301732	NW_004515653.1	Scaffold36	301732	TT	CC	1940431079
SNP_P1_167078_302133	NW_004515653.1	Scaffold36	302133	TT	CC	1940431080
SNP_P1_167079_307959	NW_004515653.1	Scaffold36	307959	TT	GG	1940431081
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SNP_P1_167086_308724	NW_004515653.1	Scaffold36	308724	AA	GG	1940431088
SNP_P1_167087_313897	NW_004515653.1	Scaffold36	313897	AA	CC	1940431089
SNP_P1_167088_316740	NW_004515653.1	Scaffold36	316740	AA	TT	1940431090
SNP_P1_167089_317102	NW_004515653.1	Scaffold36	317102	CC	AA	1940431091
SNP_P1_167090_317104	NW_004515653.1	Scaffold36	317104	GG	CC	1940431092
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167094_319825	NW_004515653.1	Scaffold36	319825	CC	TT	1940431096
SNP_P1_167095_319867	NW_004515653.1	Scaffold36	319867	AA	GG	1940431097
SNP_P1_167096_319913	NW_004515653.1	Scaffold36	319913	AA	CC	1940431098
SNP_P1_167097_319947	NW_004515653.1	Scaffold36	319947	CC	AA	1940431099
SNP_P1_167098_319958	NW_004515653.1	Scaffold36	319958	AA	CC	1940431100
SNP_P1_167099_319971	NW_004515653.1	Scaffold36	319971	TT	CC	1940431101
SNP_P1_167100_319977	NW_004515653.1	Scaffold36	319977	AA	TT	1940431102
SNP_P1_167101_319985	NW_004515653.1	Scaffold36	319985	TT	CC	1940431103
SNP_P1_167102_320074	NW_004515653.1	Scaffold36	320074	AA	GG	1940431104
SNP_P1_167103_320290	NW_004515653.1	Scaffold36	320290	CC	TT	1940431105
SNP_P1_167104_326430	NW_004515653.1	Scaffold36	326430	CC	TT	1940431106
SNP_P1_167105_330694	NW_004515653.1	Scaffold36	330694	GG	AA	1940431107
SNP_P1_167106_330758	NW_004515653.1	Scaffold36	330758	AA	TT	1940431108
SNP_P1_167107_335731	NW_004515653.1	Scaffold36	335731	CC	TT	1940431109
SNP_P1_167108_336215	NW_004515653.1	Scaffold36	336215	GG	TT	1940431110
SNP_P1_167109_336274	NW_004515653.1	Scaffold36	336274	CC	TT	1940431111
SNP_P1_167110_337628	NW_004515653.1	Scaffold36	337628	CC	TT	1940431112
SNP_P1_167111_419	NW_004515654.1	Scaffold37	419	AA	GG	1940431113
SNP_P1_167112_10084	NW_004515654.1	Scaffold37	10084	AA	TT	1940431114
SNP_P1_167113_11534	NW_004515654.1	Scaffold37	11534	CC	TT	1940431115
SNP_P1_167115_15101	NW_004515654.1	Scaffold37	15101	TT	GG	1940431116
SNP_P1_167116_15104	NW_004515654.1	Scaffold37	15104	AA	GG	1940431117
SNP_P1_167118_15321	NW_004515654.1	Scaffold37	15321	AA	TT	1940431118
SNP_P1_167119_15355	NW_004515654.1	Scaffold37	15355	AA	TT	1940431119
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SNP_P1_167121_15363	NW_004515654.1	Scaffold37	15363	TT	CC	1940431121
SNP_P1_167122_22324	NW_004515654.1	Scaffold37	22324	GG	AA	1940431122
SNP_P1_167123_22749	NW_004515654.1	Scaffold37	22749	TT	CC	1940431123
SNP_P1_167124_22763	NW_004515654.1	Scaffold37	22763	TT	AA	1940431124
SNP_P1_167125_22769	NW_004515654.1	Scaffold37	22769	TT	CC	1940431125
SNP_P1_167126_22778	NW_004515654.1	Scaffold37	22778	TT	CC	1940431126
SNP_P1_167127_22886	NW_004515654.1	Scaffold37	22886	TT	GG	1940431127
SNP_P1_167128_26609	NW_004515654.1	Scaffold37	26609	GG	AA	1940431128
SNP_P1_167129_28330	NW_004515654.1	Scaffold37	28330	AA	TT	1940431129
SNP_P1_167130_28362	NW_004515654.1	Scaffold37	28362	GG	AA	1940431130
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SNP_P1_167133_31011	NW_004515654.1	Scaffold37	31011	AA	CC	1940431133
SNP_P1_167134_36931	NW_004515654.1	Scaffold37	36931	AA	GG	1940431134
SNP_P1_167135_37277	NW_004515654.1	Scaffold37	37277	TT	GG	1940431135

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167137_45528	NW_004515654.1	Scaffold37	45528	GG	TT	1940431137
SNP_P1_167138_46524	NW_004515654.1	Scaffold37	46524	TT	AA	1940431138
SNP_P1_167139_52661	NW_004515654.1	Scaffold37	52661	TT	CC	1940431139
SNP_P1_167140_59103	NW_004515654.1	Scaffold37	59103	AA	TT	1940431140
SNP_P1_167141_59140	NW_004515654.1	Scaffold37	59140	AA	GG	1940431141
SNP_P1_167142_64698	NW_004515654.1	Scaffold37	64698	AA	CC	1940431142
SNP_P1_167143_66556	NW_004515654.1	Scaffold37	66556	GG	AA	1940431143
SNP_P1_167144_75228	NW_004515654.1	Scaffold37	75228	AA	GG	1940431144
SNP_P1_167145_75764	NW_004515654.1	Scaffold37	75764	GG	TT	1940431145
SNP_P1_167146_75859	NW_004515654.1	Scaffold37	75859	CC	AA	1940431146
SNP_P1_167147_75886	NW_004515654.1	Scaffold37	75886	TT	CC	1940431147
SNP_P1_167148_82951	NW_004515654.1	Scaffold37	82951	CC	AA	1940431148
SNP_P1_167149_85155	NW_004515654.1	Scaffold37	85155	AA	TT	1940431149
SNP_P1_167150_85848	NW_004515654.1	Scaffold37	85848	TT	CC	1940431150
SNP_P1_167151_88475	NW_004515654.1	Scaffold37	88475	AA	GG	1940431151
SNP_P1_167152_88476	NW_004515654.1	Scaffold37	88476	CC	AA	1940431152
SNP_P1_167153_88515	NW_004515654.1	Scaffold37	88515	TT	GG	1940431153
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SNP_P1_167156_106721	NW_004515654.1	Scaffold37	106721	TT	AA	1940431156
SNP_P1_167157_111377	NW_004515654.1	Scaffold37	111377	CC	GG	1940431157
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SNP_P1_167172_134205	NW_004515654.1	Scaffold37	134205	AA	GG	1940431171
SNP_P1_167173_134255	NW_004515654.1	Scaffold37	134255	AA	TT	1940431172
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SNP_P1_167178_134470	NW_004515654.1	Scaffold37	134470	GG	TT	1940431177

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167182_134585	NW_004515654.1	Scaffold37	134585	TT	CC	1940431181
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SNP_P1_167184_134653	NW_004515654.1	Scaffold37	134653	AA	GG	1940431183
SNP_P1_167185_134674	NW_004515654.1	Scaffold37	134674	TT	GG	1940431184
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SNP_P1_167189_136021	NW_004515654.1	Scaffold37	136021	AA	GG	1940431188
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SNP_P1_167191_136404	NW_004515654.1	Scaffold37	136404	AA	GG	1940431190
SNP_P1_167192_136719	NW_004515654.1	Scaffold37	136719	AA	GG	1940431191
SNP_P1_167193_136740	NW_004515654.1	Scaffold37	136740	AA	TT	1940431192
SNP_P1_167194_136758	NW_004515654.1	Scaffold37	136758	CC	TT	1940431193
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SNP_P1_167197_136803	NW_004515654.1	Scaffold37	136803	GG	TT	1940431196
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SNP_P1_167207_8383	NW_004515655.1	Scaffold38	8383	GG	AA	1940431205
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SNP_P1_167209_9999	NW_004515655.1	Scaffold38	9999	AA	CC	1940431207
SNP_P1_167210_10325	NW_004515655.1	Scaffold38	10325	CC	TT	1940431208
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SNP_P1_167212_20025	NW_004515655.1	Scaffold38	20025	AA	GG	1940431211
SNP_P1_167213_20923	NW_004515655.1	Scaffold38	20923	CC	TT	1940431212
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SNP_P1_167216_28122	NW_004515655.1	Scaffold38	28122	AA	CC	1940431214
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SNP_P1_167220_31635	NW_004515655.1	Scaffold38	31635	GG	CC	1940431217
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SNP_P1_167222_43409	NW_004515655.1	Scaffold38	43409	GG	AA	1940431219
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_167224_46284	NW_004515655.1	Scaffold38	46284	TT	CC	1940431221
SNP_P1_167225_46338	NW_004515655.1	Scaffold38	46338	AA	TT	1940431222
SNP_P1_167227_55103	NW_004515655.1	Scaffold38	55103	GG	AA	1940431223
SNP_P1_167228_56037	NW_004515655.1	Scaffold38	56037	GG	AA	1940431224
SNP_P1_167229_60695	NW_004515655.1	Scaffold38	60695	CC	TT	1940431225
SNP_P1_167230_65884	NW_004515655.1	Scaffold38	65884	GG	TT	1940431226
SNP_P1_167231_67367	NW_004515655.1	Scaffold38	67367	CC	TT	1940431227
SNP_P1_167232_68573	NW_004515655.1	Scaffold38	68573	TT	CC	1940431228
SNP_P1_167233_69058	NW_004515655.1	Scaffold38	69058	AA	GG	1940431229
SNP_P1_167234_70393	NW_004515655.1	Scaffold38	70393	GG	AA	1940431230
SNP_P1_167235_70671	NW_004515655.1	Scaffold38	70671	GG	CC	1940431231
SNP_P1_167236_70831	NW_004515655.1	Scaffold38	70831	GG	AA	1940431232
SNP_P1_167238_73583	NW_004515655.1	Scaffold38	73583	GG	AA	1940431233
SNP_P1_167239_73796	NW_004515655.1	Scaffold38	73796	AA	CC	1940431234
SNP_P1_167240_74727	NW_004515655.1	Scaffold38	74727	TT	CC	1940431235
SNP_P1_167241_75437	NW_004515655.1	Scaffold38	75437	GG	TT	1940431236
SNP_P1_167242_75468	NW_004515655.1	Scaffold38	75468	GG	CC	1940431237
SNP_P1_167243_76765	NW_004515655.1	Scaffold38	76765	TT	CC	1940431238
SNP_P1_167245_78433	NW_004515655.1	Scaffold38	78433	GG	TT	1940431239
SNP_P1_167246_78457	NW_004515655.1	Scaffold38	78457	TT	CC	1940431240
SNP_P1_167247_78470	NW_004515655.1	Scaffold38	78470	AA	GG	1940431241
SNP_P1_167248_78490	NW_004515655.1	Scaffold38	78490	CC	TT	1940431242
SNP_P1_167249_80137	NW_004515655.1	Scaffold38	80137	TT	CC	1940431243
SNP_P1_167250_80634	NW_004515655.1	Scaffold38	80634	TT	GG	1940431244
SNP_P1_167251_82681	NW_004515655.1	Scaffold38	82681	CC	TT	1940431245
SNP_P1_167253_83970	NW_004515655.1	Scaffold38	83970	CC	TT	1940431246
SNP_P1_167254_84562	NW_004515655.1	Scaffold38	84562	CC	TT	1940431247
SNP_P1_167255_93553	NW_004515655.1	Scaffold38	93553	CC	AA	1940431248
SNP_P1_167256_93559	NW_004515655.1	Scaffold38	93559	AA	GG	1940431249
SNP_P1_167257_96587	NW_004515655.1	Scaffold38	96587	AA	GG	1940431250
SNP_P1_167258_96653	NW_004515655.1	Scaffold38	96653	AA	GG	1940431251
SNP_P1_167260_97748	NW_004515655.1	Scaffold38	97748	GG	AA	1940431252
SNP_P1_167261_98150	NW_004515655.1	Scaffold38	98150	GG	AA	1940431253
SNP_P1_167263_98598	NW_004515655.1	Scaffold38	98598	TT	CC	1940431254
SNP_P1_167264_98701	NW_004515655.1	Scaffold38	98701	GG	AA	1940431255
SNP_P1_167265_110937	NW_004515655.1	Scaffold38	110937	AA	GG	1940431256
SNP_P1_167266_114496	NW_004515655.1	Scaffold38	114496	AA	TT	1940431257
SNP_P1_167267_120000	NW_004515655.1	Scaffold38	120000	TT	CC	1940431258
SNP_P1_167268_122420	NW_004515655.1	Scaffold38	122420	GG	AA	1940431259
SNP_P1_167269_123915	NW_004515655.1	Scaffold38	123915	AA	GG	1940431260
SNP_P1_167270_124886	NW_004515655.1	Scaffold38	124886	CC	TT	1940431261
SNP_P1_167271_126732	NW_004515655.1	Scaffold38	126732	TT	CC	1940431262

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167273_129691	NW_004515655.1	Scaffold38	129691	AA	GG	1940431264
SNP_P1_167274_129740	NW_004515655.1	Scaffold38	129740	AA	GG	1940431265
SNP_P1_167275_129903	NW_004515655.1	Scaffold38	129903	GG	AA	1940431266
SNP_P1_167276_130964	NW_004515655.1	Scaffold38	130964	AA	GG	1940431267
SNP_P1_167277_133324	NW_004515655.1	Scaffold38	133324	TT	CC	1940431268
SNP_P1_167278_133426	NW_004515655.1	Scaffold38	133426	AA	GG	1940431269
SNP_P1_167279_133442	NW_004515655.1	Scaffold38	133442	CC	TT	1940431270
SNP_P1_167280_133628	NW_004515655.1	Scaffold38	133628	AA	GG	1940431271
SNP_P1_167281_133644	NW_004515655.1	Scaffold38	133644	TT	CC	1940431272
SNP_P1_167284_137316	NW_004515655.1	Scaffold38	137316	AA	GG	1940431273
SNP_P1_167285_137347	NW_004515655.1	Scaffold38	137347	TT	CC	1940431274
SNP_P1_167286_137725	NW_004515655.1	Scaffold38	137725	GG	TT	1940431275
SNP_P1_167288_141615	NW_004515655.1	Scaffold38	141615	AA	TT	1940431276
SNP_P1_167289_142225	NW_004515655.1	Scaffold38	142225	CC	TT	1940431277
SNP_P1_167290_142240	NW_004515655.1	Scaffold38	142240	TT	CC	1940431278
SNP_P1_167291_147459	NW_004515655.1	Scaffold38	147459	CC	GG	1940431279
SNP_P1_167292_148355	NW_004515655.1	Scaffold38	148355	CC	TT	1940431280
SNP_P1_167294_152987	NW_004515655.1	Scaffold38	152987	CC	AA	1940431281
SNP_P1_167295_173692	NW_004515655.1	Scaffold38	173692	AA	TT	1940431282
SNP_P1_167296_174810	NW_004515655.1	Scaffold38	174810	CC	TT	1940431283
SNP_P1_167297_178775	NW_004515655.1	Scaffold38	178775	TT	GG	1940431284
SNP_P1_167298_178822	NW_004515655.1	Scaffold38	178822	AA	TT	1940431285
SNP_P1_167299_183283	NW_004515655.1	Scaffold38	183283	CC	AA	1940431286
SNP_P1_167300_186441	NW_004515655.1	Scaffold38	186441	TT	CC	1940431287
SNP_P1_167301_186767	NW_004515655.1	Scaffold38	186767	CC	TT	1940431288
SNP_P1_167302_188761	NW_004515655.1	Scaffold38	188761	GG	AA	1940431289
SNP_P1_167303_189044	NW_004515655.1	Scaffold38	189044	TT	CC	1940431290
SNP_P1_167304_191254	NW_004515655.1	Scaffold38	191254	CC	TT	1940431291
SNP_P1_167305_192415	NW_004515655.1	Scaffold38	192415	CC	TT	1940431292
SNP_P1_167307_193325	NW_004515655.1	Scaffold38	193325	TT	AA	1940431293
SNP_P1_167308_200071	NW_004515655.1	Scaffold38	200071	TT	GG	1940431294
SNP_P1_167309_200953	NW_004515655.1	Scaffold38	200953	AA	GG	1940431295
SNP_P1_167310_202535	NW_004515655.1	Scaffold38	202535	AA	CC	1940431296
SNP_P1_167312_205179	NW_004515655.1	Scaffold38	205179	CC	TT	1940431297
SNP_P1_167313_205538	NW_004515655.1	Scaffold38	205538	GG	AA	1940431298
SNP_P1_167314_205588	NW_004515655.1	Scaffold38	205588	TT	GG	1940431299
SNP_P1_167315_213156	NW_004515655.1	Scaffold38	213156	AA	GG	1940431300
SNP_P1_167316_214576	NW_004515655.1	Scaffold38	214576	GG	AA	1940431301
SNP_P1_167317_214911	NW_004515655.1	Scaffold38	214911	GG	AA	1940431302
SNP_P1_167318_216413	NW_004515655.1	Scaffold38	216413	AA	TT	1940431303
SNP_P1_167319_217242	NW_004515655.1	Scaffold38	217242	AA	GG	1940431304

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167322_223133	NW_004515655.1	Scaffold38	223133	AA	GG	1940431307
SNP_P1_167323_228435	NW_004515655.1	Scaffold38	228435	AA	GG	1940431308
SNP_P1_167324_228579	NW_004515655.1	Scaffold38	228579	CC	TT	1940431309
SNP_P1_167325_231846	NW_004515655.1	Scaffold38	231846	GG	CC	1940431310
SNP_P1_167326_233109	NW_004515655.1	Scaffold38	233109	CC	TT	1940431311
SNP_P1_167327_233823	NW_004515655.1	Scaffold38	233823	TT	CC	1940431312
SNP_P1_167328_235124	NW_004515655.1	Scaffold38	235124	AA	GG	1940431313
SNP_P1_167330_238661	NW_004515655.1	Scaffold38	238661	GG	AA	1940431314
SNP_P1_167331_240443	NW_004515655.1	Scaffold38	240443	CC	TT	1940431315
SNP_P1_167332_242890	NW_004515655.1	Scaffold38	242890	GG	AA	1940431316
SNP_P1_167333_243324	NW_004515655.1	Scaffold38	243324	CC	TT	1940431317
SNP_P1_167334_243650	NW_004515655.1	Scaffold38	243650	GG	TT	1940431318
SNP_P1_167335_244241	NW_004515655.1	Scaffold38	244241	CC	TT	1940431319
SNP_P1_167336_245564	NW_004515655.1	Scaffold38	245564	TT	CC	1940431320
SNP_P1_167337_246385	NW_004515655.1	Scaffold38	246385	CC	TT	1940431321
SNP_P1_167338_248686	NW_004515655.1	Scaffold38	248686	TT	CC	1940431322
SNP_P1_167339_252174	NW_004515655.1	Scaffold38	252174	AA	TT	1940431323
SNP_P1_167340_252175	NW_004515655.1	Scaffold38	252175	CC	AA	1940431324
SNP_P1_167341_252178	NW_004515655.1	Scaffold38	252178	AA	GG	1940431325
SNP_P1_167342_252358	NW_004515655.1	Scaffold38	252358	GG	CC	1940431326
SNP_P1_167343_252360	NW_004515655.1	Scaffold38	252360	AA	GG	1940431327
SNP_P1_167344_252381	NW_004515655.1	Scaffold38	252381	TT	CC	1940431328
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SNP_P1_167348_261124	NW_004515655.1	Scaffold38	261124	TT	AA	1940431330
SNP_P1_167349_261987	NW_004515655.1	Scaffold38	261987	GG	AA	1940431331
SNP_P1_167351_262930	NW_004515655.1	Scaffold38	262930	GG	AA	1940431332
SNP_P1_167352_269915	NW_004515655.1	Scaffold38	269915	GG	AA	1940431333
SNP_P1_167353_270805	NW_004515655.1	Scaffold38	270805	CC	TT	1940431334
SNP_P1_167355_272788	NW_004515655.1	Scaffold38	272788	CC	GG	1940431335
SNP_P1_167356_275154	NW_004515655.1	Scaffold38	275154	GG	AA	1940431336
SNP_P1_167358_281950	NW_004515655.1	Scaffold38	281950	GG	TT	1940431337
SNP_P1_167360_289728	NW_004515655.1	Scaffold38	289728	AA	GG	1940431338
SNP_P1_167361_290071	NW_004515655.1	Scaffold38	290071	TT	CC	1940431339
SNP_P1_167362_290146	NW_004515655.1	Scaffold38	290146	TT	CC	1940431340
SNP_P1_167363_291155	NW_004515655.1	Scaffold38	291155	CC	TT	1940431341
SNP_P1_167364_292898	NW_004515655.1	Scaffold38	292898	GG	AA	1940431342
SNP_P1_167365_318095	NW_004515655.1	Scaffold38	318095	TT	GG	1940431343
SNP_P1_167366_318140	NW_004515655.1	Scaffold38	318140	GG	AA	1940431344
SNP_P1_167367_318278	NW_004515655.1	Scaffold38	318278	GG	TT	1940431345
SNP_P1_167368_320801	NW_004515655.1	Scaffold38	320801	TT	GG	1940431346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167373_334208	NW_004515655.1	Scaffold38	334208	GG	AA	1940431349
SNP_P1_167374_334706	NW_004515655.1	Scaffold38	334706	TT	AA	1940431350
SNP_P1_167375_335663	NW_004515655.1	Scaffold38	335663	CC	TT	1940431351
SNP_P1_167377_337747	NW_004515655.1	Scaffold38	337747	CC	TT	1940431352
SNP_P1_167378_340650	NW_004515655.1	Scaffold38	340650	CC	TT	1940431353
SNP_P1_167379_341421	NW_004515655.1	Scaffold38	341421	TT	AA	1940431354
SNP_P1_167380_342920	NW_004515655.1	Scaffold38	342920	GG	TT	1940431355
SNP_P1_167382_344901	NW_004515655.1	Scaffold38	344901	GG	TT	1940431356
SNP_P1_167383_345181	NW_004515655.1	Scaffold38	345181	GG	AA	1940431357
SNP_P1_167384_350098	NW_004515655.1	Scaffold38	350098	GG	AA	1940431358
SNP_P1_167388_358657	NW_004515655.1	Scaffold38	358657	AA	CC	1940431359
SNP_P1_167389_359017	NW_004515655.1	Scaffold38	359017	GG	AA	1940431360
SNP_P1_167390_361233	NW_004515655.1	Scaffold38	361233	GG	AA	1940431361
SNP_P1_167391_363473	NW_004515655.1	Scaffold38	363473	TT	AA	1940431362
SNP_P1_167392_364107	NW_004515655.1	Scaffold38	364107	AA	CC	1940431364
SNP_P1_167393_373997	NW_004515655.1	Scaffold38	373997	TT	CC	1940431365
SNP_P1_167394_382332	NW_004515655.1	Scaffold38	382332	CC	AA	1940431366
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SNP_P1_167402_393976	NW_004515655.1	Scaffold38	393976	GG	TT	1940431372
SNP_P1_167403_394311	NW_004515655.1	Scaffold38	394311	CC	TT	1940431373
SNP_P1_167405_395244	NW_004515655.1	Scaffold38	395244	TT	GG	1940431374
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SNP_P1_167409_398807	NW_004515655.1	Scaffold38	398807	AA	GG	1940431376
SNP_P1_167410_400341	NW_004515655.1	Scaffold38	400341	CC	AA	1940431377
SNP_P1_167411_401121	NW_004515655.1	Scaffold38	401121	CC	TT	1940431378
SNP_P1_167412_402607	NW_004515655.1	Scaffold38	402607	AA	TT	1940431379
SNP_P1_167414_404468	NW_004515655.1	Scaffold38	404468	CC	TT	1940431380
SNP_P1_167415_406507	NW_004515655.1	Scaffold38	406507	AA	CC	1940431381
SNP_P1_167416_407101	NW_004515655.1	Scaffold38	407101	GG	AA	1940431382
SNP_P1_167417_411877	NW_004515655.1	Scaffold38	411877	GG	TT	1940431383
SNP_P1_167418_411922	NW_004515655.1	Scaffold38	411922	AA	GG	1940431384
SNP_P1_167419_411941	NW_004515655.1	Scaffold38	411941	TT	CC	1940431385
SNP_P1_167420_411987	NW_004515655.1	Scaffold38	411987	TT	AA	1940431386
SNP_P1_167422_412182	NW_004515655.1	Scaffold38	412182	AA	TT	1940431387
SNP_P1_167423_412226	NW_004515655.1	Scaffold38	412226	CC	TT	1940431388
SNP_P1_167424_412229	NW_004515655.1	Scaffold38	412229	AA	GG	1940431389

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167426_412291	NW_004515655.1	Scaffold38	412291	TT	CC	1940431391
SNP_P1_167427_412308	NW_004515655.1	Scaffold38	412308	GG	TT	1940431392
SNP_P1_167428_412347	NW_004515655.1	Scaffold38	412347	CC	AA	1940431393
SNP_P1_167429_412448	NW_004515655.1	Scaffold38	412448	GG	TT	1940431394
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SNP_P1_167432_413785	NW_004515655.1	Scaffold38	413785	GG	AA	1940431397
SNP_P1_167434_413837	NW_004515655.1	Scaffold38	413837	TT	CC	1940431398
SNP_P1_167435_414086	NW_004515655.1	Scaffold38	414086	AA	GG	1940431399
SNP_P1_167438_421832	NW_004515655.1	Scaffold38	421832	GG	TT	1940431400
SNP_P1_167439_421949	NW_004515655.1	Scaffold38	421949	AA	CC	1940431401
SNP_P1_167440_422049	NW_004515655.1	Scaffold38	422049	TT	GG	1940431402
SNP_P1_167441_422075	NW_004515655.1	Scaffold38	422075	CC	TT	1940431403
SNP_P1_167442_424293	NW_004515655.1	Scaffold38	424293	GG	AA	1940431404
SNP_P1_167443_424457	NW_004515655.1	Scaffold38	424457	TT	AA	1940431405
SNP_P1_167444_431286	NW_004515655.1	Scaffold38	431286	AA	GG	1940431406
SNP_P1_167445_432687	NW_004515655.1	Scaffold38	432687	TT	CC	1940431407
SNP_P1_167446_432783	NW_004515655.1	Scaffold38	432783	AA	TT	1940431408
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SNP_P1_167453_471719	NW_004515655.1	Scaffold38	471719	CC	TT	1940431415
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SNP_P1_167456_477168	NW_004515655.1	Scaffold38	477168	GG	AA	1940431417
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SNP_P1_167460_487861	NW_004515655.1	Scaffold38	487861	GG	TT	1940431420
SNP_P1_167461_487925	NW_004515655.1	Scaffold38	487925	AA	GG	1940431421
SNP_P1_167462_488146	NW_004515655.1	Scaffold38	488146	AA	CC	1940431422
SNP_P1_167463_488476	NW_004515655.1	Scaffold38	488476	AA	TT	1940431423
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SNP_P1_167465_488945	NW_004515655.1	Scaffold38	488945	CC	TT	1940431425
SNP_P1_167466_488973	NW_004515655.1	Scaffold38	488973	TT	CC	1940431426
SNP_P1_167467_489218	NW_004515655.1	Scaffold38	489218	TT	CC	1940431427
SNP_P1_167468_490200	NW_004515655.1	Scaffold38	490200	TT	CC	1940431428
SNP_P1_167469_496628	NW_004515655.1	Scaffold38	496628	AA	TT	1940431429
SNP_P1_167470_497126	NW_004515655.1	Scaffold38	497126	GG	AA	1940431430
SNP_P1_167471_497127	NW_004515655.1	Scaffold38	497127	CC	GG	1940431431

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_167474_498808	NW_004515655.1	Scaffold38	498808	GG	AA	1940431432
SNP_P1_167475_501846	NW_004515655.1	Scaffold38	501846	AA	GG	1940431433
SNP_P1_167476_502133	NW_004515655.1	Scaffold38	502133	CC	GG	1940431434
SNP_P1_167477_503805	NW_004515655.1	Scaffold38	503805	AA	GG	1940431435
SNP_P1_167478_503850	NW_004515655.1	Scaffold38	503850	CC	TT	1940431436
SNP_P1_167479_503989	NW_004515655.1	Scaffold38	503989	AA	CC	1940431437
SNP_P1_167480_504299	NW_004515655.1	Scaffold38	504299	AA	GG	1940431438
SNP_P1_167481_504349	NW_004515655.1	Scaffold38	504349	TT	CC	1940431439
SNP_P1_167482_504366	NW_004515655.1	Scaffold38	504366	AA	GG	1940431440
SNP_P1_167483_504391	NW_004515655.1	Scaffold38	504391	AA	GG	1940431441
SNP_P1_167484_504401	NW_004515655.1	Scaffold38	504401	TT	AA	1940431442
SNP_P1_167485_504413	NW_004515655.1	Scaffold38	504413	TT	GG	1940431443
SNP_P1_167486_504417	NW_004515655.1	Scaffold38	504417	CC	TT	1940431444
SNP_P1_167487_504432	NW_004515655.1	Scaffold38	504432	TT	GG	1940431445
SNP_P1_167488_508405	NW_004515655.1	Scaffold38	508405	TT	AA	1940431446
SNP_P1_167489_508917	NW_004515655.1	Scaffold38	508917	TT	CC	1940431447
SNP_P1_167490_510286	NW_004515655.1	Scaffold38	510286	TT	CC	1940431448
SNP_P1_167491_511046	NW_004515655.1	Scaffold38	511046	AA	GG	1940431449
SNP_P1_167493_511464	NW_004515655.1	Scaffold38	511464	CC	TT	1940431450
SNP_P1_167495_511624	NW_004515655.1	Scaffold38	511624	TT	GG	1940431451
SNP_P1_167496_511966	NW_004515655.1	Scaffold38	511966	CC	TT	1940431452
SNP_P1_167497_511981	NW_004515655.1	Scaffold38	511981	TT	CC	1940431453
SNP_P1_167498_512790	NW_004515655.1	Scaffold38	512790	GG	AA	1940431454
SNP_P1_167499_513075	NW_004515655.1	Scaffold38	513075	AA	GG	1940431455
SNP_P1_167500_513288	NW_004515655.1	Scaffold38	513288	TT	GG	1940431456
SNP_P1_167502_515495	NW_004515655.1	Scaffold38	515495	GG	AA	1940431457
SNP_P1_167503_517867	NW_004515655.1	Scaffold38	517867	AA	TT	1940431458
SNP_P1_167504_518484	NW_004515655.1	Scaffold38	518484	TT	CC	1940431459
SNP_P1_167505_519246	NW_004515655.1	Scaffold38	519246	AA	CC	1940431460
SNP_P1_167508_520208	NW_004515655.1	Scaffold38	520208	CC	AA	1940431461
SNP_P1_167509_520239	NW_004515655.1	Scaffold38	520239	GG	AA	1940431462
SNP_P1_167510_524121	NW_004515655.1	Scaffold38	524121	CC	TT	1940431463
SNP_P1_167511_524140	NW_004515655.1	Scaffold38	524140	GG	AA	1940431464
SNP_P1_167512_524207	NW_004515655.1	Scaffold38	524207	TT	GG	1940431465
SNP_P1_167513_524232	NW_004515655.1	Scaffold38	524232	TT	CC	1940431466
SNP_P1_167514_524246	NW_004515655.1	Scaffold38	524246	GG	AA	1940431467
SNP_P1_167515_524299	NW_004515655.1	Scaffold38	524299	TT	CC	1940431468
SNP_P1_167516_524462	NW_004515655.1	Scaffold38	524462	GG	AA	1940431469
SNP_P1_167517_524491	NW_004515655.1	Scaffold38	524491	GG	TT	1940431470
SNP_P1_167518_524498	NW_004515655.1	Scaffold38	524498	TT	CC	1940431471
SNP_P1_167519_524526	NW_004515655.1	Scaffold38	524526	CC	GG	1940431472
SNP_P1_167520_524570	NW_004515655.1	Scaffold38	524570	AA	CC	1940431473

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167522_525651	NW_004515655.1	Scaffold38	525651	CC	AA	1940431475
SNP_P1_167523_525840	NW_004515655.1	Scaffold38	525840	CC	GG	1940431476
SNP_P1_167524_525865	NW_004515655.1	Scaffold38	525865	TT	CC	1940431477
SNP_P1_167525_526959	NW_004515655.1	Scaffold38	526959	GG	AA	1940431478
SNP_P1_167526_528158	NW_004515655.1	Scaffold38	528158	CC	AA	1940431479
SNP_P1_167527_530473	NW_004515655.1	Scaffold38	530473	AA	CC	1940431480
SNP_P1_167528_530889	NW_004515655.1	Scaffold38	530889	AA	GG	1940431481
SNP_P1_167529_530901	NW_004515655.1	Scaffold38	530901	GG	TT	1940431482
SNP_P1_167530_535510	NW_004515655.1	Scaffold38	535510	GG	AA	1940431483
SNP_P1_167531_535594	NW_004515655.1	Scaffold38	535594	CC	TT	1940431484
SNP_P1_167533_539874	NW_004515655.1	Scaffold38	539874	AA	CC	1940431485
SNP_P1_167534_540079	NW_004515655.1	Scaffold38	540079	GG	TT	1940431486
SNP_P1_167535_540295	NW_004515655.1	Scaffold38	540295	GG	AA	1940431487
SNP_P1_167536_540326	NW_004515655.1	Scaffold38	540326	CC	AA	1940431488
SNP_P1_167537_541439	NW_004515655.1	Scaffold38	541439	CC	TT	1940431489
SNP_P1_167538_541795	NW_004515655.1	Scaffold38	541795	GG	AA	1940431490
SNP_P1_167539_541839	NW_004515655.1	Scaffold38	541839	TT	CC	1940431491
SNP_P1_167540_541844	NW_004515655.1	Scaffold38	541844	CC	AA	1940431492
SNP_P1_167541_541876	NW_004515655.1	Scaffold38	541876	AA	GG	1940431493
SNP_P1_167542_541918	NW_004515655.1	Scaffold38	541918	AA	GG	1940431494
SNP_P1_167544_35201	NW_004515656.1	Scaffold39	35201	TT	CC	1940431495
SNP_P1_167546_40074	NW_004515656.1	Scaffold39	40074	AA	GG	1940431496
SNP_P1_167547_40146	NW_004515656.1	Scaffold39	40146	TT	CC	1940431497
SNP_P1_167548_40345	NW_004515656.1	Scaffold39	40345	AA	CC	1940431498
SNP_P1_167549_44789	NW_004515656.1	Scaffold39	44789	AA	TT	1940431499
SNP_P1_167550_301	NW_004515657.1	Scaffold40	301	TT	GG	1940431500
SNP_P1_167551_415	NW_004515657.1	Scaffold40	415	AA	GG	1940431501
SNP_P1_167552_906	NW_004515657.1	Scaffold40	906	TT	CC	1940431502
SNP_P1_167553_974	NW_004515657.1	Scaffold40	974	AA	GG	1940431503
SNP_P1_167554_1143	NW_004515657.1	Scaffold40	1143	CC	AA	1940431504
SNP_P1_167555_1155	NW_004515657.1	Scaffold40	1155	AA	CC	1940431505
SNP_P1_167556_1157	NW_004515657.1	Scaffold40	1157	TT	CC	1940431506
SNP_P1_167557_12059	NW_004515657.1	Scaffold40	12059	GG	AA	1940431507
SNP_P1_167558_12442	NW_004515657.1	Scaffold40	12442	CC	TT	1940431508
SNP_P1_167559_29994	NW_004515657.1	Scaffold40	29994	CC	TT	1940431509
SNP_P1_167560_40457	NW_004515657.1	Scaffold40	40457	CC	TT	1940431510
SNP_P1_167561_40651	NW_004515657.1	Scaffold40	40651	AA	GG	1940431511
SNP_P1_167562_40967	NW_004515657.1	Scaffold40	40967	CC	TT	1940431513
SNP_P1_167563_40969	NW_004515657.1	Scaffold40	40969	AA	GG	1940431514
SNP_P1_167564_41035	NW_004515657.1	Scaffold40	41035	GG	TT	1940431515
SNP_P1_167566_41345	NW_004515657.1	Scaffold40	41345	TT	CC	1940431516

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167571_58162	NW_004515657.1	Scaffold40	58162	AA	GG	1940431519
SNP_P1_167572_58915	NW_004515657.1	Scaffold40	58915	AA	CC	1940431520
SNP_P1_167573_58937	NW_004515657.1	Scaffold40	58937	TT	CC	1940431521
SNP_P1_167574_58986	NW_004515657.1	Scaffold40	58986	CC	TT	1940431522
SNP_P1_167575_58990	NW_004515657.1	Scaffold40	58990	TT	CC	1940431523
SNP_P1_167576_58991	NW_004515657.1	Scaffold40	58991	GG	TT	1940431524
SNP_P1_167577_59033	NW_004515657.1	Scaffold40	59033	GG	AA	1940431525
SNP_P1_167578_59229	NW_004515657.1	Scaffold40	59229	AA	GG	1940431526
SNP_P1_167579_59265	NW_004515657.1	Scaffold40	59265	TT	CC	1940431527
SNP_P1_167580_59336	NW_004515657.1	Scaffold40	59336	AA	GG	1940431528
SNP_P1_167581_59341	NW_004515657.1	Scaffold40	59341	CC	TT	1940431529
SNP_P1_167582_59431	NW_004515657.1	Scaffold40	59431	GG	TT	1940431530
SNP_P1_167583_59436	NW_004515657.1	Scaffold40	59436	GG	CC	1940431531
SNP_P1_167584_59546	NW_004515657.1	Scaffold40	59546	AA	TT	1940431532
SNP_P1_167585_59570	NW_004515657.1	Scaffold40	59570	CC	TT	1940431533
SNP_P1_167586_59624	NW_004515657.1	Scaffold40	59624	TT	GG	1940431534
SNP_P1_167587_59716	NW_004515657.1	Scaffold40	59716	TT	CC	1940431535
SNP_P1_167588_59718	NW_004515657.1	Scaffold40	59718	AA	GG	1940431536
SNP_P1_167589_59781	NW_004515657.1	Scaffold40	59781	TT	CC	1940431537
SNP_P1_167591_68026	NW_004515657.1	Scaffold40	68026	CC	AA	1940431538
SNP_P1_167592_68027	NW_004515657.1	Scaffold40	68027	TT	GG	1940431539
SNP_P1_167593_68050	NW_004515657.1	Scaffold40	68050	TT	CC	1940431540
SNP_P1_167594_68086	NW_004515657.1	Scaffold40	68086	AA	GG	1940431541
SNP_P1_167595_71484	NW_004515657.1	Scaffold40	71484	AA	GG	1940431542
SNP_P1_167596_74812	NW_004515657.1	Scaffold40	74812	TT	AA	1940431543
SNP_P1_167597_76591	NW_004515657.1	Scaffold40	76591	TT	CC	1940431544
SNP_P1_167598_76694	NW_004515657.1	Scaffold40	76694	TT	CC	1940431545
SNP_P1_167599_76696	NW_004515657.1	Scaffold40	76696	GG	AA	1940431546
SNP_P1_167600_76749	NW_004515657.1	Scaffold40	76749	TT	CC	1940431547
SNP_P1_167601_77496	NW_004515657.1	Scaffold40	77496	GG	AA	1940431548
SNP_P1_167602_87725	NW_004515657.1	Scaffold40	87725	GG	TT	1940431549
SNP_P1_167603_87743	NW_004515657.1	Scaffold40	87743	CC	TT	1940431550
SNP_P1_167604_87783	NW_004515657.1	Scaffold40	87783	GG	TT	1940431551
SNP_P1_167605_98558	NW_004515657.1	Scaffold40	98558	AA	GG	1940431552
SNP_P1_167606_98564	NW_004515657.1	Scaffold40	98564	TT	AA	1940431553
SNP_P1_167607_98889	NW_004515657.1	Scaffold40	98889	TT	CC	1940431554
SNP_P1_167608_98950	NW_004515657.1	Scaffold40	98950	AA	GG	1940431555
SNP_P1_167609_99280	NW_004515657.1	Scaffold40	99280	CC	AA	1940431556
SNP_P1_167610_100451	NW_004515657.1	Scaffold40	100451	TT	CC	1940431557
SNP_P1_167611_100567	NW_004515657.1	Scaffold40	100567	TT	CC	1940431558

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167613_100819	NW_004515657.1	Scaffold40	100819	AA	TT	1940431560
SNP_P1_167614_100855	NW_004515657.1	Scaffold40	100855	CC	TT	1940431561
SNP_P1_167615_100895	NW_004515657.1	Scaffold40	100895	TT	CC	1940431562
SNP_P1_167616_101126	NW_004515657.1	Scaffold40	101126	AA	TT	1940431563
SNP_P1_167617_101207	NW_004515657.1	Scaffold40	101207	TT	AA	1940431564
SNP_P1_167618_101389	NW_004515657.1	Scaffold40	101389	TT	CC	1940431565
SNP_P1_167619_101435	NW_004515657.1	Scaffold40	101435	GG	AA	1940431566
SNP_P1_167620_101453	NW_004515657.1	Scaffold40	101453	GG	CC	1940431567
SNP_P1_167621_101477	NW_004515657.1	Scaffold40	101477	AA	GG	1940431568
SNP_P1_167622_101478	NW_004515657.1	Scaffold40	101478	GG	AA	1940431569
SNP_P1_167623_101485	NW_004515657.1	Scaffold40	101485	TT	CC	1940431570
SNP_P1_167624_101487	NW_004515657.1	Scaffold40	101487	AA	TT	1940431571
SNP_P1_167625_101504	NW_004515657.1	Scaffold40	101504	CC	TT	1940431572
SNP_P1_167626_101510	NW_004515657.1	Scaffold40	101510	CC	TT	1940431573
SNP_P1_167627_101526	NW_004515657.1	Scaffold40	101526	TT	AA	1940431574
SNP_P1_167628_101545	NW_004515657.1	Scaffold40	101545	GG	AA	1940431575
SNP_P1_167630_101663	NW_004515657.1	Scaffold40	101663	TT	AA	1940431576
SNP_P1_167631_101912	NW_004515657.1	Scaffold40	101912	CC	GG	1940431577
SNP_P1_167632_102079	NW_004515657.1	Scaffold40	102079	AA	GG	1940431578
SNP_P1_167633_108717	NW_004515657.1	Scaffold40	108717	GG	AA	1940431579
SNP_P1_167634_111134	NW_004515657.1	Scaffold40	111134	AA	GG	1940431580
SNP_P1_167635_121541	NW_004515657.1	Scaffold40	121541	TT	AA	1940431581
SNP_P1_167637_128653	NW_004515657.1	Scaffold40	128653	GG	AA	1940431582
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SNP_P1_167639_133892	NW_004515657.1	Scaffold40	133892	TT	AA	1940431584
SNP_P1_167640_133895	NW_004515657.1	Scaffold40	133895	TT	CC	1940431585
SNP_P1_167641_133896	NW_004515657.1	Scaffold40	133896	CC	TT	1940431586
SNP_P1_167642_133923	NW_004515657.1	Scaffold40	133923	CC	TT	1940431587
SNP_P1_167643_133939	NW_004515657.1	Scaffold40	133939	CC	TT	1940431588
SNP_P1_167644_133944	NW_004515657.1	Scaffold40	133944	AA	GG	1940431589
SNP_P1_167645_135077	NW_004515657.1	Scaffold40	135077	GG	AA	1940431590
SNP_P1_167646_135162	NW_004515657.1	Scaffold40	135162	TT	CC	1940431591
SNP_P1_167647_135379	NW_004515657.1	Scaffold40	135379	AA	CC	1940431592
SNP_P1_167648_135473	NW_004515657.1	Scaffold40	135473	TT	AA	1940431593
SNP_P1_167649_135475	NW_004515657.1	Scaffold40	135475	CC	TT	1940431594
SNP_P1_167650_135484	NW_004515657.1	Scaffold40	135484	TT	AA	1940431595
SNP_P1_167651_135822	NW_004515657.1	Scaffold40	135822	TT	AA	1940431596
SNP_P1_167652_135842	NW_004515657.1	Scaffold40	135842	TT	CC	1940431597
SNP_P1_167653_135849	NW_004515657.1	Scaffold40	135849	AA	GG	1940431598
SNP_P1_167654_135864	NW_004515657.1	Scaffold40	135864	AA	TT	1940431599
SNP_P1_167655_135901	NW_004515657.1	Scaffold40	135901	CC	AA	1940431600

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167658_145555	NW_004515657.1	Scaffold40	145555	CC	TT	1940431603
SNP_P1_167659_152178	NW_004515657.1	Scaffold40	152178	AA	TT	1940431604
SNP_P1_167661_191150	NW_004515657.1	Scaffold40	191150	AA	CC	1940431605
SNP_P1_167662_191151	NW_004515657.1	Scaffold40	191151	GG	AA	1940431606
SNP_P1_167663_191163	NW_004515657.1	Scaffold40	191163	CC	TT	1940431607
SNP_P1_167664_191170	NW_004515657.1	Scaffold40	191170	AA	GG	1940431608
SNP_P1_167665_191174	NW_004515657.1	Scaffold40	191174	AA	TT	1940431609
SNP_P1_167666_191183	NW_004515657.1	Scaffold40	191183	TT	CC	1940431610
SNP_P1_167667_191201	NW_004515657.1	Scaffold40	191201	TT	CC	1940431611
SNP_P1_167669_203715	NW_004515657.1	Scaffold40	203715	GG	AA	1940431612
SNP_P1_167671_212461	NW_004515657.1	Scaffold40	212461	TT	CC	1940431613
SNP_P1_167672_212965	NW_004515657.1	Scaffold40	212965	TT	GG	1940431614
SNP_P1_167673_212989	NW_004515657.1	Scaffold40	212989	AA	GG	1940431615
SNP_P1_167674_212997	NW_004515657.1	Scaffold40	212997	TT	CC	1940431616
SNP_P1_167675_213015	NW_004515657.1	Scaffold40	213015	AA	GG	1940431617
SNP_P1_167676_213059	NW_004515657.1	Scaffold40	213059	GG	AA	1940431618
SNP_P1_167677_213087	NW_004515657.1	Scaffold40	213087	TT	CC	1940431619
SNP_P1_167678_214979	NW_004515657.1	Scaffold40	214979	CC	TT	1940431620
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SNP_P1_167680_226678	NW_004515657.1	Scaffold40	226678	TT	AA	1940431623
SNP_P1_167681_226682	NW_004515657.1	Scaffold40	226682	CC	TT	1940431624
SNP_P1_167682_229194	NW_004515657.1	Scaffold40	229194	TT	GG	1940431625
SNP_P1_167683_229262	NW_004515657.1	Scaffold40	229262	GG	AA	1940431626
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SNP_P1_167685_229322	NW_004515657.1	Scaffold40	229322	AA	GG	1940431628
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SNP_P1_167687_229456	NW_004515657.1	Scaffold40	229456	GG	TT	1940431630
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SNP_P1_167690_229571	NW_004515657.1	Scaffold40	229571	AA	TT	1940431633
SNP_P1_167691_229588	NW_004515657.1	Scaffold40	229588	AA	GG	1940431634
SNP_P1_167692_229618	NW_004515657.1	Scaffold40	229618	CC	TT	1940431635
SNP_P1_167693_229690	NW_004515657.1	Scaffold40	229690	CC	AA	1940431636
SNP_P1_167694_229693	NW_004515657.1	Scaffold40	229693	TT	GG	1940431637
SNP_P1_167695_231249	NW_004515657.1	Scaffold40	231249	CC	TT	1940431638
SNP_P1_167696_231687	NW_004515657.1	Scaffold40	231687	CC	TT	1940431639
SNP_P1_167697_231712	NW_004515657.1	Scaffold40	231712	AA	CC	1940431640
SNP_P1_167698_231713	NW_004515657.1	Scaffold40	231713	TT	GG	1940431641
SNP_P1_167699_239746	NW_004515657.1	Scaffold40	239746	TT	CC	1940431642
SNP_P1_167700_247451	NW_004515657.1	Scaffold40	247451	TT	CC	1940431643

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_167701_247452	NW_004515657.1	Scaffold40	247452	GG	AA	1940431644
SNP_P1_167702_260625	NW_004515657.1	Scaffold40	260625	AA	TT	1940431645
SNP_P1_167703_266553	NW_004515657.1	Scaffold40	266553	TT	AA	1940431646
SNP_P1_167704_266554	NW_004515657.1	Scaffold40	266554	CC	AA	1940431647
SNP_P1_167705_314676	NW_004515657.1	Scaffold40	314676	AA	GG	1940431648
SNP_P1_167706_330441	NW_004515657.1	Scaffold40	330441	GG	CC	1940431649
SNP_P1_167707_330510	NW_004515657.1	Scaffold40	330510	AA	GG	1940431650
SNP_P1_167708_351493	NW_004515657.1	Scaffold40	351493	AA	GG	1940431651
SNP_P1_167709_362816	NW_004515657.1	Scaffold40	362816	AA	CC	1940431652
SNP_P1_167710_362866	NW_004515657.1	Scaffold40	362866	GG	AA	1940431653
SNP_P1_167711_362911	NW_004515657.1	Scaffold40	362911	TT	CC	1940431654
SNP_P1_167712_362999	NW_004515657.1	Scaffold40	362999	TT	AA	1940431655
SNP_P1_167713_363106	NW_004515657.1	Scaffold40	363106	TT	CC	1940431656
SNP_P1_167714_363131	NW_004515657.1	Scaffold40	363131	GG	AA	1940431657
SNP_P1_167715_363235	NW_004515657.1	Scaffold40	363235	CC	TT	1940431658
SNP_P1_167716_363280	NW_004515657.1	Scaffold40	363280	AA	TT	1940431659
SNP_P1_167717_363469	NW_004515657.1	Scaffold40	363469	CC	TT	1940431660
SNP_P1_167718_363494	NW_004515657.1	Scaffold40	363494	CC	TT	1940431661
SNP_P1_167719_376701	NW_004515657.1	Scaffold40	376701	TT	GG	1940431662
SNP_P1_167720_376702	NW_004515657.1	Scaffold40	376702	AA	TT	1940431663
SNP_P1_167722_393232	NW_004515657.1	Scaffold40	393232	AA	GG	1940431664
SNP_P1_167723_393622	NW_004515657.1	Scaffold40	393622	TT	GG	1940431665
SNP_P1_167724_400221	NW_004515657.1	Scaffold40	400221	AA	GG	1940431666
SNP_P1_167725_405074	NW_004515657.1	Scaffold40	405074	AA	CC	1940431667
SNP_P1_167727_405102	NW_004515657.1	Scaffold40	405102	TT	CC	1940431668
SNP_P1_167728_437123	NW_004515657.1	Scaffold40	437123	CC	TT	1940431669
SNP_P1_167729_441182	NW_004515657.1	Scaffold40	441182	CC	TT	1940431670
SNP_P1_167730_443329	NW_004515657.1	Scaffold40	443329	AA	TT	1940431671
SNP_P1_167731_451167	NW_004515657.1	Scaffold40	451167	CC	TT	1940431672
SNP_P1_167732_457253	NW_004515657.1	Scaffold40	457253	TT	CC	1940431673
SNP_P1_167733_463395	NW_004515657.1	Scaffold40	463395	TT	GG	1940431674
SNP_P1_167734_466442	NW_004515657.1	Scaffold40	466442	GG	AA	1940431675
SNP_P1_167736_466819	NW_004515657.1	Scaffold40	466819	CC	GG	1940431676
SNP_P1_167737_466829	NW_004515657.1	Scaffold40	466829	TT	CC	1940431677
SNP_P1_167738_466899	NW_004515657.1	Scaffold40	466899	TT	GG	1940431678
SNP_P1_167739_493244	NW_004515657.1	Scaffold40	493244	AA	GG	1940431679
SNP_P1_167741_520087	NW_004515657.1	Scaffold40	520087	GG	AA	1940431680
SNP_P1_167742_549387	NW_004515657.1	Scaffold40	549387	TT	CC	1940431681
SNP_P1_167743_578667	NW_004515657.1	Scaffold40	578667	GG	AA	1940431682
SNP_P1_167744_582105	NW_004515657.1	Scaffold40	582105	TT	CC	1940431683
SNP_P1_167745_585640	NW_004515657.1	Scaffold40	585640	TT	CC	1940431684
SNP_P1_167746_586213	NW_004515657.1	Scaffold40	586213	GG	TT	1940431685

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167748_590313	NW_004515657.1	Scaffold40	590313	TT	CC	1940431687
SNP_P1_167750_616444	NW_004515657.1	Scaffold40	616444	TT	CC	1940431688
SNP_P1_167751_648918	NW_004515657.1	Scaffold40	648918	TT	CC	1940431689
SNP_P1_167752_659331	NW_004515657.1	Scaffold40	659331	AA	GG	1940431690
SNP_P1_167753_659401	NW_004515657.1	Scaffold40	659401	TT	GG	1940431691
SNP_P1_167754_659406	NW_004515657.1	Scaffold40	659406	AA	GG	1940431692
SNP_P1_167755_659409	NW_004515657.1	Scaffold40	659409	TT	CC	1940431693
SNP_P1_167756_753600	NW_004515657.1	Scaffold40	753600	AA	TT	1940431694
SNP_P1_167757_756112	NW_004515657.1	Scaffold40	756112	TT	AA	1940431695
SNP_P1_167758_770312	NW_004515657.1	Scaffold40	770312	TT	GG	1940431696
SNP_P1_167760_799562	NW_004515657.1	Scaffold40	799562	AA	TT	1940431697
SNP_P1_167761_799593	NW_004515657.1	Scaffold40	799593	CC	TT	1940431698
SNP_P1_167762_799917	NW_004515657.1	Scaffold40	799917	GG	AA	1940431699
SNP_P1_167763_800053	NW_004515657.1	Scaffold40	800053	AA	CC	1940431700
SNP_P1_167764_800095	NW_004515657.1	Scaffold40	800095	GG	TT	1940431701
SNP_P1_167765_800100	NW_004515657.1	Scaffold40	800100	GG	AA	1940431702
SNP_P1_167766_809434	NW_004515657.1	Scaffold40	809434	TT	CC	1940431703
SNP_P1_167767_819201	NW_004515657.1	Scaffold40	819201	CC	GG	1940431704
SNP_P1_167769_839552	NW_004515657.1	Scaffold40	839552	TT	AA	1940431705
SNP_P1_167770_839637	NW_004515657.1	Scaffold40	839637	AA	GG	1940431706
SNP_P1_167771_839679	NW_004515657.1	Scaffold40	839679	TT	CC	1940431707
SNP_P1_167772_840026	NW_004515657.1	Scaffold40	840026	AA	TT	1940431708
SNP_P1_167774_852862	NW_004515657.1	Scaffold40	852862	AA	GG	1940431709
SNP_P1_167775_862625	NW_004515657.1	Scaffold40	862625	TT	CC	1940431710
SNP_P1_167776_890656	NW_004515657.1	Scaffold40	890656	AA	CC	1940431711
SNP_P1_167777_892266	NW_004515657.1	Scaffold40	892266	TT	GG	1940431712
SNP_P1_167778_910184	NW_004515657.1	Scaffold40	910184	CC	TT	1940431713
SNP_P1_167780_925245	NW_004515657.1	Scaffold40	925245	TT	GG	1940431714
SNP_P1_167781_925251	NW_004515657.1	Scaffold40	925251	TT	AA	1940431715
SNP_P1_167782_929378	NW_004515657.1	Scaffold40	929378	GG	AA	1940431716
SNP_P1_167783_937042	NW_004515657.1	Scaffold40	937042	TT	CC	1940431717
SNP_P1_167784_937079	NW_004515657.1	Scaffold40	937079	GG	AA	1940431718
SNP_P1_167785_937159	NW_004515657.1	Scaffold40	937159	AA	GG	1940431719
SNP_P1_167786_937164	NW_004515657.1	Scaffold40	937164	CC	AA	1940431720
SNP_P1_167787_937407	NW_004515657.1	Scaffold40	937407	TT	CC	1940431721
SNP_P1_167789_937547	NW_004515657.1	Scaffold40	937547	TT	CC	1940431722
SNP_P1_167790_937614	NW_004515657.1	Scaffold40	937614	TT	CC	1940431723
SNP_P1_167791_937639	NW_004515657.1	Scaffold40	937639	GG	TT	1940431724
SNP_P1_167792_938150	NW_004515657.1	Scaffold40	938150	AA	TT	1940431725
SNP_P1_167793_939828	NW_004515657.1	Scaffold40	939828	TT	CC	1940431726
SNP_P1_167794_955335	NW_004515657.1	Scaffold40	955335	GG	AA	1940431727

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167796_967409	NW_004515657.1	Scaffold40	967409	TT	CC	1940431729
SNP_P1_167798_1001231	NW_004515657.1	Scaffold40	1001231	CC	GG	1940431730
SNP_P1_167799_1001232	NW_004515657.1	Scaffold40	1001232	AA	CC	1940431731
SNP_P1_167800_1013582	NW_004515657.1	Scaffold40	1013582	TT	CC	1940431732
SNP_P1_167801_1030439	NW_004515657.1	Scaffold40	1030439	CC	TT	1940431733
SNP_P1_167802_1043467	NW_004515657.1	Scaffold40	1043467	CC	TT	1940431734
SNP_P1_167803_7147	NW_004515658.1	Scaffold41	7147	AA	TT	1940431735
SNP_P1_167805_25085	NW_004515658.1	Scaffold41	25085	AA	GG	1940431736
SNP_P1_167806_25089	NW_004515658.1	Scaffold41	25089	CC	AA	1940431737
SNP_P1_167807_25125	NW_004515658.1	Scaffold41	25125	CC	TT	1940431738
SNP_P1_167808_25143	NW_004515658.1	Scaffold41	25143	GG	AA	1940431739
SNP_P1_167809_25153	NW_004515658.1	Scaffold41	25153	TT	CC	1940431740
SNP_P1_167810_25161	NW_004515658.1	Scaffold41	25161	GG	TT	1940431741
SNP_P1_167811_25162	NW_004515658.1	Scaffold41	25162	CC	AA	1940431742
SNP_P1_167812_25164	NW_004515658.1	Scaffold41	25164	CC	TT	1940431743
SNP_P1_167813_25182	NW_004515658.1	Scaffold41	25182	TT	CC	1940431744
SNP_P1_167814_25237	NW_004515658.1	Scaffold41	25237	GG	AA	1940431745
SNP_P1_167815_25249	NW_004515658.1	Scaffold41	25249	TT	GG	1940431746
SNP_P1_167816_25256	NW_004515658.1	Scaffold41	25256	TT	CC	1940431747
SNP_P1_167817_25260	NW_004515658.1	Scaffold41	25260	TT	CC	1940431748
SNP_P1_167818_25266	NW_004515658.1	Scaffold41	25266	CC	TT	1940431749
SNP_P1_167819_25296	NW_004515658.1	Scaffold41	25296	GG	TT	1940431750
SNP_P1_167820_25329	NW_004515658.1	Scaffold41	25329	GG	AA	1940431751
SNP_P1_167821_25555	NW_004515658.1	Scaffold41	25555	GG	AA	1940431752
SNP_P1_167822_28289	NW_004515658.1	Scaffold41	28289	GG	TT	1940431753
SNP_P1_167824_33549	NW_004515658.1	Scaffold41	33549	CC	GG	1940431754
SNP_P1_167825_46650	NW_004515658.1	Scaffold41	46650	TT	AA	1940431755
SNP_P1_167826_49669	NW_004515658.1	Scaffold41	49669	CC	TT	1940431756
SNP_P1_167827_49686	NW_004515658.1	Scaffold41	49686	GG	CC	1940431757
SNP_P1_167828_49741	NW_004515658.1	Scaffold41	49741	CC	TT	1940431758
SNP_P1_167829_70912	NW_004515658.1	Scaffold41	70912	AA	GG	1940431759
SNP_P1_167830_70914	NW_004515658.1	Scaffold41	70914	CC	TT	1940431760
SNP_P1_167831_72290	NW_004515658.1	Scaffold41	72290	AA	GG	1940431761
SNP_P1_167833_100759	NW_004515658.1	Scaffold41	100759	GG	AA	1940431762
SNP_P1_167834_100922	NW_004515658.1	Scaffold41	100922	GG	CC	1940431763
SNP_P1_167835_109304	NW_004515658.1	Scaffold41	109304	CC	TT	1940431764
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SNP_P1_167837_109650	NW_004515658.1	Scaffold41	109650	TT	CC	1940431766
SNP_P1_167838_109683	NW_004515658.1	Scaffold41	109683	AA	TT	1940431767
SNP_P1_167839_113162	NW_004515658.1	Scaffold41	113162	GG	CC	1940431768
SNP_P1_167840_113170	NW_004515658.1	Scaffold41	113170	GG	TT	1940431769

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167842_114018	NW_004515658.1	Scaffold41	114018	AA	TT	1940431771
SNP_P1_167843_114062	NW_004515658.1	Scaffold41	114062	TT	AA	1940431772
SNP_P1_167844_114068	NW_004515658.1	Scaffold41	114068	AA	TT	1940431774
SNP_P1_167845_114118	NW_004515658.1	Scaffold41	114118	GG	CC	1940431775
SNP_P1_167847_114445	NW_004515658.1	Scaffold41	114445	CC	TT	1940431776
SNP_P1_167848_114744	NW_004515658.1	Scaffold41	114744	TT	AA	1940431777
SNP_P1_167849_114772	NW_004515658.1	Scaffold41	114772	TT	AA	1940431778
SNP_P1_167850_114808	NW_004515658.1	Scaffold41	114808	AA	GG	1940431779
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SNP_P1_167852_115099	NW_004515658.1	Scaffold41	115099	CC	TT	1940431781
SNP_P1_167853_115163	NW_004515658.1	Scaffold41	115163	TT	GG	1940431782
SNP_P1_167854_115295	NW_004515658.1	Scaffold41	115295	AA	GG	1940431783
SNP_P1_167855_116465	NW_004515658.1	Scaffold41	116465	TT	GG	1940431784
SNP_P1_167856_116543	NW_004515658.1	Scaffold41	116543	AA	CC	1940431785
SNP_P1_167857_116574	NW_004515658.1	Scaffold41	116574	AA	CC	1940431786
SNP_P1_167858_122127	NW_004515658.1	Scaffold41	122127	TT	CC	1940431787
SNP_P1_167859_122189	NW_004515658.1	Scaffold41	122189	TT	CC	1940431788
SNP_P1_167860_122203	NW_004515658.1	Scaffold41	122203	AA	GG	1940431789
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SNP_P1_167863_122286	NW_004515658.1	Scaffold41	122286	GG	AA	1940431791
SNP_P1_167864_122301	NW_004515658.1	Scaffold41	122301	AA	GG	1940431792
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SNP_P1_167869_122409	NW_004515658.1	Scaffold41	122409	CC	TT	1940431795
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SNP_P1_167872_122449	NW_004515658.1	Scaffold41	122449	AA	GG	1940431797
SNP_P1_167873_122456	NW_004515658.1	Scaffold41	122456	AA	GG	1940431798
SNP_P1_167874_122465	NW_004515658.1	Scaffold41	122465	TT	GG	1940431799
SNP_P1_167875_122497	NW_004515658.1	Scaffold41	122497	TT	CC	1940431800
SNP_P1_167876_122509	NW_004515658.1	Scaffold41	122509	TT	CC	1940431801
SNP_P1_167877_122510	NW_004515658.1	Scaffold41	122510	TT	GG	1940431802
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SNP_P1_167879_122527	NW_004515658.1	Scaffold41	122527	TT	GG	1940431804
SNP_P1_167880_122633	NW_004515658.1	Scaffold41	122633	TT	CC	1940431805
SNP_P1_167881_122687	NW_004515658.1	Scaffold41	122687	AA	TT	1940431806
SNP_P1_167882_122713	NW_004515658.1	Scaffold41	122713	TT	CC	1940431807
SNP_P1_167883_127687	NW_004515658.1	Scaffold41	127687	TT	AA	1940431808
SNP_P1_167884_139369	NW_004515658.1	Scaffold41	139369	CC	TT	1940431809
SNP_P1_167885_164128	NW_004515658.1	Scaffold41	164128	TT	CC	1940431810
SNP_P1_167886_165089	NW_004515658.1	Scaffold41	165089	TT	CC	1940431811
SNP_P1_167887_175197	NW_004515658.1	Scaffold41	175197	CC	AA	1940431812

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_167890_637	NW_004515660.1	Scaffold44	637	TT	GG	1940431815
SNP_P1_167892_5161	NW_004515660.1	Scaffold44	5161	AA	GG	1940431816
SNP_P1_167893_12486	NW_004515660.1	Scaffold44	12486	TT	CC	1940431817
SNP_P1_167894_27751	NW_004515660.1	Scaffold44	27751	TT	AA	1940431818
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SNP_P1_167897_40349	NW_004515660.1	Scaffold44	40349	AA	GG	1940431821
SNP_P1_167898_72433	NW_004515660.1	Scaffold44	72433	TT	CC	1940431822
SNP_P1_167899_81667	NW_004515660.1	Scaffold44	81667	AA	CC	1940431823
SNP_P1_167900_82110	NW_004515660.1	Scaffold44	82110	CC	TT	1940431824
SNP_P1_167901_93114	NW_004515660.1	Scaffold44	93114	AA	TT	1940431825
SNP_P1_167902_101540	NW_004515660.1	Scaffold44	101540	AA	GG	1940431826
SNP_P1_167903_106416	NW_004515660.1	Scaffold44	106416	GG	TT	1940431827
SNP_P1_167904_109064	NW_004515660.1	Scaffold44	109064	AA	GG	1940431828
SNP_P1_167905_117320	NW_004515660.1	Scaffold44	117320	GG	AA	1940431829
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SNP_P1_167908_127079	NW_004515660.1	Scaffold44	127079	TT	GG	1940431831
SNP_P1_167909_135652	NW_004515660.1	Scaffold44	135652	TT	CC	1940431832
SNP_P1_167910_140947	NW_004515660.1	Scaffold44	140947	AA	GG	1940431833
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SNP_P1_167914_147195	NW_004515660.1	Scaffold44	147195	TT	CC	1940431837
SNP_P1_167915_147199	NW_004515660.1	Scaffold44	147199	TT	CC	1940431838
SNP_P1_167916_147216	NW_004515660.1	Scaffold44	147216	TT	GG	1940431839
SNP_P1_167917_147405	NW_004515660.1	Scaffold44	147405	TT	CC	1940431840
SNP_P1_167918_160515	NW_004515660.1	Scaffold44	160515	CC	TT	1940431841
SNP_P1_167919_170352	NW_004515660.1	Scaffold44	170352	TT	GG	1940431842
SNP_P1_167920_170490	NW_004515660.1	Scaffold44	170490	TT	AA	1940431843
SNP_P1_167921_170703	NW_004515660.1	Scaffold44	170703	CC	GG	1940431844
SNP_P1_167922_189116	NW_004515660.1	Scaffold44	189116	GG	AA	1940431845
SNP_P1_167923_189154	NW_004515660.1	Scaffold44	189154	TT	AA	1940431846
SNP_P1_167924_205973	NW_004515660.1	Scaffold44	205973	CC	AA	1940431847
SNP_P1_167925_215751	NW_004515660.1	Scaffold44	215751	CC	AA	1940431848
SNP_P1_167926_226909	NW_004515660.1	Scaffold44	226909	AA	GG	1940431849
SNP_P1_167927_232821	NW_004515660.1	Scaffold44	232821	AA	CC	1940431850
SNP_P1_167928_235305	NW_004515660.1	Scaffold44	235305	CC	GG	1940431851
SNP_P1_167929_238345	NW_004515660.1	Scaffold44	238345	AA	CC	1940431852
SNP_P1_167930_241450	NW_004515660.1	Scaffold44	241450	GG	AA	1940431853
SNP_P1_167931_258380	NW_004515660.1	Scaffold44	258380	AA	CC	1940431854

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_167932_259401	NW_004515660.1	Scaffold44	259401	GG	AA	1940431855
SNP_P1_167933_279079	NW_004515660.1	Scaffold44	279079	CC	TT	1940431856
SNP_P1_167934_282200	NW_004515660.1	Scaffold44	282200	AA	GG	1940431857
SNP_P1_167935_286598	NW_004515660.1	Scaffold44	286598	TT	CC	1940431858
SNP_P1_167936_286628	NW_004515660.1	Scaffold44	286628	AA	GG	1940431859
SNP_P1_167937_290405	NW_004515660.1	Scaffold44	290405	CC	TT	1940431860
SNP_P1_167938_290431	NW_004515660.1	Scaffold44	290431	GG	TT	1940431861
SNP_P1_167939_290462	NW_004515660.1	Scaffold44	290462	GG	TT	1940431862
SNP_P1_167941_834	NW_004515661.1	Scaffold46	834	AA	GG	1940431863
SNP_P1_167942_850	NW_004515661.1	Scaffold46	850	GG	AA	1940431864
SNP_P1_167943_900	NW_004515661.1	Scaffold46	900	AA	GG	1940431865
SNP_P1_167944_1027	NW_004515661.1	Scaffold46	1027	GG	AA	1940431866
SNP_P1_167945_1607	NW_004515661.1	Scaffold46	1607	AA	GG	1940431867
SNP_P1_167946_1624	NW_004515661.1	Scaffold46	1624	GG	AA	1940431868
SNP_P1_167947_1823	NW_004515661.1	Scaffold46	1823	AA	GG	1940431869
SNP_P1_167948_1911	NW_004515661.1	Scaffold46	1911	TT	CC	1940431870
SNP_P1_167949_2064	NW_004515661.1	Scaffold46	2064	AA	GG	1940431871
SNP_P1_167950_2086	NW_004515661.1	Scaffold46	2086	AA	GG	1940431872
SNP_P1_167951_3022	NW_004515661.1	Scaffold46	3022	TT	CC	1940431873
SNP_P1_167952_3108	NW_004515661.1	Scaffold46	3108	CC	TT	1940431874
SNP_P1_167953_3190	NW_004515661.1	Scaffold46	3190	AA	CC	1940431875
SNP_P1_167954_3193	NW_004515661.1	Scaffold46	3193	CC	GG	1940431876
SNP_P1_167955_3401	NW_004515661.1	Scaffold46	3401	AA	GG	1940431877
SNP_P1_167956_3992	NW_004515661.1	Scaffold46	3992	GG	TT	1940431878
SNP_P1_167957_4185	NW_004515661.1	Scaffold46	4185	GG	AA	1940431879
SNP_P1_167958_4309	NW_004515661.1	Scaffold46	4309	TT	CC	1940431880
SNP_P1_167959_4423	NW_004515661.1	Scaffold46	4423	AA	GG	1940431881
SNP_P1_167960_4451	NW_004515661.1	Scaffold46	4451	CC	TT	1940431882
SNP_P1_167961_4496	NW_004515661.1	Scaffold46	4496	GG	AA	1940431883
SNP_P1_167962_4544	NW_004515661.1	Scaffold46	4544	TT	CC	1940431884
SNP_P1_167963_4628	NW_004515661.1	Scaffold46	4628	GG	AA	1940431885
SNP_P1_167964_4826	NW_004515661.1	Scaffold46	4826	CC	TT	1940431886
SNP_P1_167965_5073	NW_004515661.1	Scaffold46	5073	TT	GG	1940431887
SNP_P1_167966_5087	NW_004515661.1	Scaffold46	5087	TT	AA	1940431888
SNP_P1_167967_5178	NW_004515661.1	Scaffold46	5178	AA	GG	1940431889
SNP_P1_167968_5192	NW_004515661.1	Scaffold46	5192	TT	CC	1940431890
SNP_P1_167969_5367	NW_004515661.1	Scaffold46	5367	GG	TT	1940431891
SNP_P1_167970_5424	NW_004515661.1	Scaffold46	5424	CC	TT	1940431892
SNP_P1_167971_5548	NW_004515661.1	Scaffold46	5548	GG	TT	1940431893
SNP_P1_167972_5587	NW_004515661.1	Scaffold46	5587	CC	TT	1940431894
SNP_P1_167973_5590	NW_004515661.1	Scaffold46	5590	AA	CC	1940431895
SNP_P1_167974_5611	NW_004515661.1	Scaffold46	5611	TT	CC	1940431896

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_167975_5684	NW_004515661.1	Scaffold46	5684	CC	TT	1940431897
SNP_P1_167976_5767	NW_004515661.1	Scaffold46	5767	CC	TT	1940431898
SNP_P1_167977_5832	NW_004515661.1	Scaffold46	5832	GG	AA	1940431899
SNP_P1_167978_5930	NW_004515661.1	Scaffold46	5930	CC	TT	1940431900
SNP_P1_167980_6374	NW_004515661.1	Scaffold46	6374	AA	GG	1940431901
SNP_P1_167981_6538	NW_004515661.1	Scaffold46	6538	AA	GG	1940431902
SNP_P1_167982_6680	NW_004515661.1	Scaffold46	6680	AA	GG	1940431903
SNP_P1_167983_6710	NW_004515661.1	Scaffold46	6710	AA	GG	1940431904
SNP_P1_167984_6756	NW_004515661.1	Scaffold46	6756	TT	GG	1940431905
SNP_P1_167985_6762	NW_004515661.1	Scaffold46	6762	TT	CC	1940431906
SNP_P1_167986_7335	NW_004515661.1	Scaffold46	7335	TT	CC	1940431907
SNP_P1_167987_7423	NW_004515661.1	Scaffold46	7423	TT	CC	1940431908
SNP_P1_167988_7516	NW_004515661.1	Scaffold46	7516	GG	CC	1940431909
SNP_P1_167989_7619	NW_004515661.1	Scaffold46	7619	CC	TT	1940431910
SNP_P1_167990_7629	NW_004515661.1	Scaffold46	7629	AA	GG	1940431911
SNP_P1_167991_7713	NW_004515661.1	Scaffold46	7713	TT	GG	1940431912
SNP_P1_167992_7788	NW_004515661.1	Scaffold46	7788	AA	TT	1940431913
SNP_P1_167993_7789	NW_004515661.1	Scaffold46	7789	GG	AA	1940431914
SNP_P1_167994_7803	NW_004515661.1	Scaffold46	7803	TT	GG	1940431915
SNP_P1_167995_7815	NW_004515661.1	Scaffold46	7815	CC	GG	1940431916
SNP_P1_167996_7865	NW_004515661.1	Scaffold46	7865	TT	AA	1940431917
SNP_P1_167997_7928	NW_004515661.1	Scaffold46	7928	TT	CC	1940431918
SNP_P1_167998_7952	NW_004515661.1	Scaffold46	7952	GG	CC	1940431919
SNP_P1_167999_8033	NW_004515661.1	Scaffold46	8033	AA	GG	1940431920
SNP_P1_168000_8055	NW_004515661.1	Scaffold46	8055	GG	CC	1940431922
SNP_P1_168001_8091	NW_004515661.1	Scaffold46	8091	AA	CC	1940431923
SNP_P1_168002_8093	NW_004515661.1	Scaffold46	8093	GG	TT	1940431924
SNP_P1_168003_8193	NW_004515661.1	Scaffold46	8193	GG	CC	1940431925
SNP_P1_168004_8202	NW_004515661.1	Scaffold46	8202	TT	CC	1940431926
SNP_P1_168005_8224	NW_004515661.1	Scaffold46	8224	GG	AA	1940431927
SNP_P1_168006_8350	NW_004515661.1	Scaffold46	8350	CC	TT	1940431928
SNP_P1_168007_8557	NW_004515661.1	Scaffold46	8557	AA	CC	1940431929
SNP_P1_168009_9155	NW_004515661.1	Scaffold46	9155	AA	TT	1940431930
SNP_P1_168010_9178	NW_004515661.1	Scaffold46	9178	GG	AA	1940431931
SNP_P1_168011_9196	NW_004515661.1	Scaffold46	9196	AA	GG	1940431932
SNP_P1_168012_9558	NW_004515661.1	Scaffold46	9558	GG	CC	1940431933
SNP_P1_168013_14148	NW_004515661.1	Scaffold46	14148	AA	CC	1940431934
SNP_P1_168014_14149	NW_004515661.1	Scaffold46	14149	CC	GG	1940431935
SNP_P1_168015_14172	NW_004515661.1	Scaffold46	14172	TT	CC	1940431936
SNP_P1_168016_14442	NW_004515661.1	Scaffold46	14442	TT	GG	1940431937
SNP_P1_168017_14449	NW_004515661.1	Scaffold46	14449	CC	GG	1940431938
SNP_P1_168018_14470	NW_004515661.1	Scaffold46	14470	GG	CC	1940431939

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_168019_14484	NW_004515661.1	Scaffold46	14484	TT	AA	1940431940
SNP_P1_168020_14505	NW_004515661.1	Scaffold46	14505	TT	AA	1940431941
SNP_P1_168021_14643	NW_004515661.1	Scaffold46	14643	AA	GG	1940431942
SNP_P1_168022_14691	NW_004515661.1	Scaffold46	14691	TT	CC	1940431943
SNP_P1_168023_14818	NW_004515661.1	Scaffold46	14818	GG	CC	1940431944
SNP_P1_168024_14821	NW_004515661.1	Scaffold46	14821	TT	AA	1940431945
SNP_P1_168025_14891	NW_004515661.1	Scaffold46	14891	GG	AA	1940431946
SNP_P1_168026_14960	NW_004515661.1	Scaffold46	14960	TT	GG	1940431947
SNP_P1_168027_14996	NW_004515661.1	Scaffold46	14996	TT	AA	1940431948
SNP_P1_168028_15020	NW_004515661.1	Scaffold46	15020	AA	GG	1940431949
SNP_P1_168029_15035	NW_004515661.1	Scaffold46	15035	GG	AA	1940431950
SNP_P1_168030_15063	NW_004515661.1	Scaffold46	15063	TT	CC	1940431951
SNP_P1_168031_15140	NW_004515661.1	Scaffold46	15140	TT	GG	1940431952
SNP_P1_168032_15235	NW_004515661.1	Scaffold46	15235	CC	TT	1940431953
SNP_P1_168033_15266	NW_004515661.1	Scaffold46	15266	AA	CC	1940431954
SNP_P1_168034_15405	NW_004515661.1	Scaffold46	15405	CC	TT	1940431955
SNP_P1_168035_15408	NW_004515661.1	Scaffold46	15408	AA	GG	1940431956
SNP_P1_168036_15413	NW_004515661.1	Scaffold46	15413	TT	GG	1940431957
SNP_P1_168037_15458	NW_004515661.1	Scaffold46	15458	GG	AA	1940431958
SNP_P1_168038_15460	NW_004515661.1	Scaffold46	15460	TT	AA	1940431959
SNP_P1_168039_15486	NW_004515661.1	Scaffold46	15486	TT	CC	1940431960
SNP_P1_168040_15598	NW_004515661.1	Scaffold46	15598	TT	CC	1940431961
SNP_P1_168041_15929	NW_004515661.1	Scaffold46	15929	CC	GG	1940431962
SNP_P1_168042_16278	NW_004515661.1	Scaffold46	16278	AA	GG	1940431963
SNP_P1_168043_16359	NW_004515661.1	Scaffold46	16359	TT	CC	1940431964
SNP_P1_168044_16380	NW_004515661.1	Scaffold46	16380	AA	TT	1940431965
SNP_P1_168045_16425	NW_004515661.1	Scaffold46	16425	AA	GG	1940431966
SNP_P1_168046_16612	NW_004515661.1	Scaffold46	16612	TT	GG	1940431967
SNP_P1_168047_16718	NW_004515661.1	Scaffold46	16718	GG	CC	1940431968
SNP_P1_168048_17003	NW_004515661.1	Scaffold46	17003	CC	AA	1940431969
SNP_P1_168049_17010	NW_004515661.1	Scaffold46	17010	CC	GG	1940431970
SNP_P1_168050_17293	NW_004515661.1	Scaffold46	17293	CC	TT	1940431971
SNP_P1_168051_19877	NW_004515661.1	Scaffold46	19877	CC	AA	1940431972
SNP_P1_168052_19998	NW_004515661.1	Scaffold46	19998	CC	AA	1940431973
SNP_P1_168053_20184	NW_004515661.1	Scaffold46	20184	AA	GG	1940431974
SNP_P1_168054_20311	NW_004515661.1	Scaffold46	20311	AA	GG	1940431975
SNP_P1_168055_20351	NW_004515661.1	Scaffold46	20351	AA	GG	1940431976
SNP_P1_168056_20363	NW_004515661.1	Scaffold46	20363	TT	CC	1940431977
SNP_P1_168057_20697	NW_004515661.1	Scaffold46	20697	AA	GG	1940431978
SNP_P1_168058_20810	NW_004515661.1	Scaffold46	20810	AA	TT	1940431979
SNP_P1_168059_20940	NW_004515661.1	Scaffold46	20940	TT	AA	1940431980
SNP_P1_168060_20959	NW_004515661.1	Scaffold46	20959	AA	GG	1940431981

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SNP_P1_168062_21069	NW_004515661.1	Scaffold46	21069	GG	CC	1940431983
SNP_P1_168063_21150	NW_004515661.1	Scaffold46	21150	GG	AA	1940431984
SNP_P1_168064_21227	NW_004515661.1	Scaffold46	21227	TT	AA	1940431985
SNP_P1_168065_21382	NW_004515661.1	Scaffold46	21382	CC	AA	1940431986
SNP_P1_168066_21405	NW_004515661.1	Scaffold46	21405	TT	CC	1940431987
SNP_P1_168067_21432	NW_004515661.1	Scaffold46	21432	CC	TT	1940431988
SNP_P1_168068_21437	NW_004515661.1	Scaffold46	21437	AA	GG	1940431989
SNP_P1_168069_21609	NW_004515661.1	Scaffold46	21609	GG	AA	1940431990
SNP_P1_168070_24487	NW_004515661.1	Scaffold46	24487	TT	AA	1940431991
SNP_P1_168071_24506	NW_004515661.1	Scaffold46	24506	GG	AA	1940431992
SNP_P1_168072_24539	NW_004515661.1	Scaffold46	24539	GG	AA	1940431993
SNP_P1_168073_24545	NW_004515661.1	Scaffold46	24545	GG	AA	1940431994
SNP_P1_168074_26486	NW_004515661.1	Scaffold46	26486	GG	TT	1940431995
SNP_P1_168075_27780	NW_004515661.1	Scaffold46	27780	GG	TT	1940431996
SNP_P1_168076_27781	NW_004515661.1	Scaffold46	27781	CC	TT	1940431997
SNP_P1_168077_27799	NW_004515661.1	Scaffold46	27799	AA	GG	1940431998
SNP_P1_168078_27849	NW_004515661.1	Scaffold46	27849	TT	CC	1940431999
SNP_P1_168079_27943	NW_004515661.1	Scaffold46	27943	TT	CC	1940432000
SNP_P1_168080_27944	NW_004515661.1	Scaffold46	27944	GG	AA	1940432001
SNP_P1_168081_28083	NW_004515661.1	Scaffold46	28083	TT	AA	1940432002
SNP_P1_168082_28087	NW_004515661.1	Scaffold46	28087	AA	GG	1940432003
SNP_P1_168083_28250	NW_004515661.1	Scaffold46	28250	CC	TT	1940432004
SNP_P1_168084_28438	NW_004515661.1	Scaffold46	28438	TT	CC	1940432005
SNP_P1_168085_31373	NW_004515661.1	Scaffold46	31373	AA	GG	1940432006
SNP_P1_168086_32796	NW_004515661.1	Scaffold46	32796	GG	AA	1940432007
SNP_P1_168087_32873	NW_004515661.1	Scaffold46	32873	TT	CC	1940432008
SNP_P1_168088_32917	NW_004515661.1	Scaffold46	32917	GG	CC	1940432009
SNP_P1_168089_33336	NW_004515661.1	Scaffold46	33336	TT	GG	1940432010
SNP_P1_168090_33632	NW_004515661.1	Scaffold46	33632	GG	TT	1940432011
SNP_P1_168091_34172	NW_004515661.1	Scaffold46	34172	AA	GG	1940432012
SNP_P1_168092_34390	NW_004515661.1	Scaffold46	34390	TT	CC	1940432013
SNP_P1_168093_34399	NW_004515661.1	Scaffold46	34399	CC	TT	1940432014
SNP_P1_168094_34422	NW_004515661.1	Scaffold46	34422	TT	GG	1940432015
SNP_P1_168095_34517	NW_004515661.1	Scaffold46	34517	CC	TT	1940432016
SNP_P1_168096_34526	NW_004515661.1	Scaffold46	34526	CC	TT	1940432017
SNP_P1_168097_34740	NW_004515661.1	Scaffold46	34740	GG	CC	1940432018
SNP_P1_168098_34869	NW_004515661.1	Scaffold46	34869	TT	GG	1940432019
SNP_P1_168099_34870	NW_004515661.1	Scaffold46	34870	TT	CC	1940432020
SNP_P1_168100_38741	NW_004515661.1	Scaffold46	38741	CC	TT	1940432021
SNP_P1_168101_38747	NW_004515661.1	Scaffold46	38747	TT	AA	1940432022
SNP_P1_168102_38765	NW_004515661.1	Scaffold46	38765	TT	AA	1940432023

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_168103_38786	NW_004515661.1	Scaffold46	38786	CC	GG	1940432024
SNP_P1_168104_38898	NW_004515661.1	Scaffold46	38898	AA	GG	1940432025
SNP_P1_168105_38926	NW_004515661.1	Scaffold46	38926	TT	CC	1940432026
SNP_P1_168106_39470	NW_004515661.1	Scaffold46	39470	CC	TT	1940432027
SNP_P1_168107_39631	NW_004515661.1	Scaffold46	39631	AA	GG	1940432028
SNP_P1_168108_39695	NW_004515661.1	Scaffold46	39695	GG	AA	1940432029
SNP_P1_168109_39839	NW_004515661.1	Scaffold46	39839	GG	AA	1940432030
SNP_P1_168110_39855	NW_004515661.1	Scaffold46	39855	CC	GG	1940432031
SNP_P1_168111_39938	NW_004515661.1	Scaffold46	39938	TT	AA	1940432032
SNP_P1_168112_40004	NW_004515661.1	Scaffold46	40004	TT	CC	1940432033
SNP_P1_168113_40015	NW_004515661.1	Scaffold46	40015	TT	CC	1940432034
SNP_P1_168114_40089	NW_004515661.1	Scaffold46	40089	CC	AA	1940432035
SNP_P1_168115_40122	NW_004515661.1	Scaffold46	40122	GG	CC	1940432036
SNP_P1_168116_40132	NW_004515661.1	Scaffold46	40132	GG	CC	1940432037
SNP_P1_168117_40236	NW_004515661.1	Scaffold46	40236	AA	GG	1940432038
SNP_P1_168118_40248	NW_004515661.1	Scaffold46	40248	AA	GG	1940432039
SNP_P1_168119_41071	NW_004515661.1	Scaffold46	41071	CC	GG	1940432040
SNP_P1_168120_41127	NW_004515661.1	Scaffold46	41127	TT	AA	1940432041
SNP_P1_168121_41579	NW_004515661.1	Scaffold46	41579	AA	GG	1940432042
SNP_P1_168122_41643	NW_004515661.1	Scaffold46	41643	AA	CC	1940432043
SNP_P1_168123_41715	NW_004515661.1	Scaffold46	41715	AA	TT	1940432044
SNP_P1_168124_7738	NW_004515662.1	Scaffold48	7738	AA	TT	1940432045
SNP_P1_168125_8017	NW_004515662.1	Scaffold48	8017	GG	TT	1940432046
SNP_P1_168126_8067	NW_004515662.1	Scaffold48	8067	GG	TT	1940432047
SNP_P1_168127_8121	NW_004515662.1	Scaffold48	8121	GG	TT	1940432048
SNP_P1_168128_8132	NW_004515662.1	Scaffold48	8132	AA	CC	1940432049
SNP_P1_168129_8145	NW_004515662.1	Scaffold48	8145	TT	AA	1940432050
SNP_P1_168130_8150	NW_004515662.1	Scaffold48	8150	AA	GG	1940432051
SNP_P1_168131_8165	NW_004515662.1	Scaffold48	8165	GG	TT	1940432052
SNP_P1_168132_11073	NW_004515662.1	Scaffold48	11073	CC	TT	1940432053
SNP_P1_168133_11078	NW_004515662.1	Scaffold48	11078	CC	TT	1940432054
SNP_P1_168134_11151	NW_004515662.1	Scaffold48	11151	CC	AA	1940432055
SNP_P1_168135_11168	NW_004515662.1	Scaffold48	11168	AA	GG	1940432056
SNP_P1_168136_11503	NW_004515662.1	Scaffold48	11503	TT	GG	1940432057
SNP_P1_168137_11789	NW_004515662.1	Scaffold48	11789	TT	AA	1940432058
SNP_P1_168139_11856	NW_004515662.1	Scaffold48	11856	TT	CC	1940432059
SNP_P1_168140_11876	NW_004515662.1	Scaffold48	11876	GG	TT	1940432060
SNP_P1_168141_11918	NW_004515662.1	Scaffold48	11918	GG	AA	1940432061
SNP_P1_168143_16156	NW_004515662.1	Scaffold48	16156	AA	GG	1940432062
SNP_P1_168144_16194	NW_004515662.1	Scaffold48	16194	TT	CC	1940432063
SNP_P1_168145_16520	NW_004515662.1	Scaffold48	16520	GG	AA	1940432064
SNP_P1_168146_16634	NW_004515662.1	Scaffold48	16634	TT	AA	1940432065

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_168148_17019	NW_004515662.1	Scaffold48	17019	TT	GG	1940432066
SNP_P1_168149_20892	NW_004515662.1	Scaffold48	20892	AA	GG	1940432067
SNP_P1_168150_20898	NW_004515662.1	Scaffold48	20898	AA	GG	1940432068
SNP_P1_168151_20903	NW_004515662.1	Scaffold48	20903	CC	TT	1940432069
SNP_P1_168152_21036	NW_004515662.1	Scaffold48	21036	AA	CC	1940432070
SNP_P1_168153_31619	NW_004515662.1	Scaffold48	31619	CC	TT	1940432071
SNP_P1_168155_56144	NW_004515662.1	Scaffold48	56144	TT	CC	1940432072
SNP_P1_168156_56173	NW_004515662.1	Scaffold48	56173	TT	CC	1940432073
SNP_P1_168157_56188	NW_004515662.1	Scaffold48	56188	TT	CC	1940432074
SNP_P1_168158_56538	NW_004515662.1	Scaffold48	56538	TT	CC	1940432075
SNP_P1_168159_56619	NW_004515662.1	Scaffold48	56619	AA	GG	1940432077
SNP_P1_168160_56664	NW_004515662.1	Scaffold48	56664	GG	AA	1940432078
SNP_P1_168161_56847	NW_004515662.1	Scaffold48	56847	TT	GG	1940432079
SNP_P1_168163_57024	NW_004515662.1	Scaffold48	57024	TT	CC	1940432080
SNP_P1_168164_57624	NW_004515662.1	Scaffold48	57624	CC	TT	1940432081
SNP_P1_168165_61332	NW_004515662.1	Scaffold48	61332	GG	AA	1940432082
SNP_P1_168166_71006	NW_004515662.1	Scaffold48	71006	GG	AA	1940432083
SNP_P1_168167_71366	NW_004515662.1	Scaffold48	71366	CC	AA	1940432084
SNP_P1_168168_72455	NW_004515662.1	Scaffold48	72455	CC	AA	1940432085
SNP_P1_168169_82065	NW_004515662.1	Scaffold48	82065	GG	AA	1940432086
SNP_P1_168170_90770	NW_004515662.1	Scaffold48	90770	CC	GG	1940432087
SNP_P1_168171_112594	NW_004515662.1	Scaffold48	112594	AA	GG	1940432088
SNP_P1_168172_112597	NW_004515662.1	Scaffold48	112597	CC	AA	1940432089
SNP_P1_168173_112600	NW_004515662.1	Scaffold48	112600	TT	GG	1940432090
SNP_P1_168174_112619	NW_004515662.1	Scaffold48	112619	GG	AA	1940432091
SNP_P1_168175_139714	NW_004515662.1	Scaffold48	139714	TT	CC	1940432092
SNP_P1_168176_140664	NW_004515662.1	Scaffold48	140664	CC	GG	1940432093
SNP_P1_168178_140695	NW_004515662.1	Scaffold48	140695	TT	AA	1940432094
SNP_P1_168179_140895	NW_004515662.1	Scaffold48	140895	CC	GG	1940432095
SNP_P1_168180_140913	NW_004515662.1	Scaffold48	140913	TT	CC	1940432096
SNP_P1_168181_140917	NW_004515662.1	Scaffold48	140917	AA	GG	1940432097
SNP_P1_168182_140926	NW_004515662.1	Scaffold48	140926	TT	CC	1940432098
SNP_P1_168183_140939	NW_004515662.1	Scaffold48	140939	CC	AA	1940432099
SNP_P1_168184_140943	NW_004515662.1	Scaffold48	140943	GG	AA	1940432100
SNP_P1_168185_140946	NW_004515662.1	Scaffold48	140946	AA	GG	1940432101
SNP_P1_168186_140958	NW_004515662.1	Scaffold48	140958	GG	AA	1940432102
SNP_P1_168187_141081	NW_004515662.1	Scaffold48	141081	TT	CC	1940432103
SNP_P1_168188_141133	NW_004515662.1	Scaffold48	141133	TT	CC	1940432104
SNP_P1_168189_141134	NW_004515662.1	Scaffold48	141134	AA	GG	1940432105
SNP_P1_168190_146365	NW_004515662.1	Scaffold48	146365	AA	CC	1940432106
SNP_P1_168192_153887	NW_004515662.1	Scaffold48	153887	GG	AA	1940432107
SNP_P1_168194_278359	NW_004515662.1	Scaffold48	278359	GG	AA	1940432108

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_168195_298265	NW_004515662.1	Scaffold48	298265	GG	TT	1940432109
SNP_P1_168196_301984	NW_004515662.1	Scaffold48	301984	GG	AA	1940432110
SNP_P1_168197_304486	NW_004515662.1	Scaffold48	304486	CC	TT	1940432111
SNP_P1_168199_325579	NW_004515662.1	Scaffold48	325579	AA	CC	1940432112
SNP_P1_168200_325628	NW_004515662.1	Scaffold48	325628	CC	TT	1940432113
SNP_P1_168201_326292	NW_004515662.1	Scaffold48	326292	AA	GG	1940432114
SNP_P1_168202_326309	NW_004515662.1	Scaffold48	326309	TT	CC	1940432115
SNP_P1_168203_326364	NW_004515662.1	Scaffold48	326364	AA	CC	1940432116
SNP_P1_168204_337470	NW_004515662.1	Scaffold48	337470	AA	CC	1940432117
SNP_P1_168205_361076	NW_004515662.1	Scaffold48	361076	TT	GG	1940432118
SNP_P1_168206_380464	NW_004515662.1	Scaffold48	380464	AA	CC	1940432119
SNP_P1_168207_380505	NW_004515662.1	Scaffold48	380505	AA	TT	1940432120
SNP_P1_168208_380507	NW_004515662.1	Scaffold48	380507	CC	AA	1940432121
SNP_P1_168209_380508	NW_004515662.1	Scaffold48	380508	AA	GG	1940432122
SNP_P1_168210_380509	NW_004515662.1	Scaffold48	380509	CC	TT	1940432123
SNP_P1_168211_380511	NW_004515662.1	Scaffold48	380511	AA	TT	1940432124
SNP_P1_168212_380512	NW_004515662.1	Scaffold48	380512	CC	AA	1940432125
SNP_P1_168213_381397	NW_004515662.1	Scaffold48	381397	GG	TT	1940432126
SNP_P1_168214_381398	NW_004515662.1	Scaffold48	381398	TT	GG	1940432127
SNP_P1_168215_399295	NW_004515662.1	Scaffold48	399295	GG	AA	1940432128
SNP_P1_168216_431955	NW_004515662.1	Scaffold48	431955	CC	AA	1940432129
SNP_P1_168217_438765	NW_004515662.1	Scaffold48	438765	AA	GG	1940432130
SNP_P1_168218_443167	NW_004515662.1	Scaffold48	443167	CC	GG	1940432131
SNP_P1_168219_461170	NW_004515662.1	Scaffold48	461170	TT	AA	1940432132
SNP_P1_168220_461601	NW_004515662.1	Scaffold48	461601	AA	TT	1940432133
SNP_P1_168221_461602	NW_004515662.1	Scaffold48	461602	AA	GG	1940432134
SNP_P1_168222_532	NW_004515663.1	Scaffold49	532	CC	TT	1940432135
SNP_P1_168223_2557	NW_004515664.1	Scaffold50	2557	CC	TT	1940432136
SNP_P1_168224_2559	NW_004515664.1	Scaffold50	2559	AA	CC	1940432137
SNP_P1_168225_2584	NW_004515664.1	Scaffold50	2584	CC	TT	1940432138
SNP_P1_168226_2593	NW_004515664.1	Scaffold50	2593	GG	AA	1940432139
SNP_P1_168227_2644	NW_004515664.1	Scaffold50	2644	GG	AA	1940432140
SNP_P1_168228_2645	NW_004515664.1	Scaffold50	2645	TT	CC	1940432141
SNP_P1_168229_3463	NW_004515664.1	Scaffold50	3463	CC	AA	1940432142
SNP_P1_168230_3464	NW_004515664.1	Scaffold50	3464	CC	TT	1940432143
SNP_P1_168231_3533	NW_004515664.1	Scaffold50	3533	CC	TT	1940432144
SNP_P1_168232_3978	NW_004515664.1	Scaffold50	3978	TT	GG	1940432145
SNP_P1_168233_5734	NW_004515664.1	Scaffold50	5734	CC	AA	1940432146
SNP_P1_168234_5827	NW_004515664.1	Scaffold50	5827	CC	TT	1940432147
SNP_P1_168235_5916	NW_004515664.1	Scaffold50	5916	CC	TT	1940432148
SNP_P1_168236_5980	NW_004515664.1	Scaffold50	5980	AA	GG	1940432149
SNP_P1_168237_6106	NW_004515664.1	Scaffold50	6106	CC	TT	1940432150

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_168238_6282	NW_004515664.1	Scaffold50	6282	AA	GG	1940432151
SNP_P1_168239_6395	NW_004515664.1	Scaffold50	6395	TT	CC	1940432152
SNP_P1_168240_6406	NW_004515664.1	Scaffold50	6406	GG	AA	1940432153
SNP_P1_168242_7021	NW_004515664.1	Scaffold50	7021	AA	CC	1940432154
SNP_P1_168243_8637	NW_004515664.1	Scaffold50	8637	AA	GG	1940432155
SNP_P1_168244_10770	NW_004515664.1	Scaffold50	10770	GG	AA	1940432156
SNP_P1_168245_10776	NW_004515664.1	Scaffold50	10776	GG	AA	1940432157
SNP_P1_168246_12096	NW_004515664.1	Scaffold50	12096	AA	TT	1940432158
SNP_P1_168247_12168	NW_004515664.1	Scaffold50	12168	AA	GG	1940432159
SNP_P1_168248_12222	NW_004515664.1	Scaffold50	12222	GG	CC	1940432160
SNP_P1_168249_12288	NW_004515664.1	Scaffold50	12288	CC	AA	1940432161
SNP_P1_168250_12298	NW_004515664.1	Scaffold50	12298	TT	AA	1940432162
SNP_P1_168251_12304	NW_004515664.1	Scaffold50	12304	CC	TT	1940432163
SNP_P1_168252_12319	NW_004515664.1	Scaffold50	12319	GG	AA	1940432164
SNP_P1_168253_14048	NW_004515664.1	Scaffold50	14048	GG	AA	1940432165
SNP_P1_168254_14322	NW_004515664.1	Scaffold50	14322	AA	GG	1940432166
SNP_P1_168255_14540	NW_004515664.1	Scaffold50	14540	AA	GG	1940432167
SNP_P1_168256_15742	NW_004515664.1	Scaffold50	15742	AA	CC	1940432168
SNP_P1_168257_16475	NW_004515664.1	Scaffold50	16475	AA	GG	1940432169
SNP_P1_168258_29631	NW_004515664.1	Scaffold50	29631	CC	TT	1940432170
SNP_P1_168259_46536	NW_004515664.1	Scaffold50	46536	AA	GG	1940432171
SNP_P1_168260_46562	NW_004515664.1	Scaffold50	46562	TT	AA	1940432172
SNP_P1_168261_46860	NW_004515664.1	Scaffold50	46860	TT	CC	1940432173
SNP_P1_168262_46875	NW_004515664.1	Scaffold50	46875	AA	GG	1940432174
SNP_P1_168263_46885	NW_004515664.1	Scaffold50	46885	CC	AA	1940432175
SNP_P1_168264_46901	NW_004515664.1	Scaffold50	46901	TT	CC	1940432176
SNP_P1_168265_64878	NW_004515664.1	Scaffold50	64878	CC	TT	1940432177
SNP_P1_168266_65101	NW_004515664.1	Scaffold50	65101	GG	CC	1940432178
SNP_P1_168267_76564	NW_004515664.1	Scaffold50	76564	GG	TT	1940432179
SNP_P1_168268_84502	NW_004515664.1	Scaffold50	84502	TT	CC	1940432180
SNP_P1_168270_86921	NW_004515664.1	Scaffold50	86921	GG	AA	1940432181
SNP_P1_168271_99837	NW_004515664.1	Scaffold50	99837	AA	GG	1940432182
SNP_P1_168272_100574	NW_004515664.1	Scaffold50	100574	AA	GG	1940432183
SNP_P1_168273_105719	NW_004515664.1	Scaffold50	105719	GG	TT	1940432184
SNP_P1_168274_106392	NW_004515664.1	Scaffold50	106392	AA	GG	1940432185
SNP_P1_168275_106412	NW_004515664.1	Scaffold50	106412	CC	TT	1940432186
SNP_P1_168276_106482	NW_004515664.1	Scaffold50	106482	CC	AA	1940432187
SNP_P1_168277_107933	NW_004515664.1	Scaffold50	107933	TT	AA	1940432188
SNP_P1_168278_107938	NW_004515664.1	Scaffold50	107938	GG	AA	1940432189
SNP_P1_168279_107953	NW_004515664.1	Scaffold50	107953	TT	GG	1940432190
SNP_P1_168280_119951	NW_004515664.1	Scaffold50	119951	GG	TT	1940432191
SNP_P1_168281_123379	NW_004515664.1	Scaffold50	123379	AA	TT	1940432192

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168283_126895	NW_004515664.1	Scaffold50	126895	GG	TT	1940432194
SNP_P1_168284_132417	NW_004515664.1	Scaffold50	132417	GG	AA	1940432195
SNP_P1_168285_132456	NW_004515664.1	Scaffold50	132456	CC	TT	1940432196
SNP_P1_168286_134433	NW_004515664.1	Scaffold50	134433	AA	GG	1940432197
SNP_P1_168287_135903	NW_004515664.1	Scaffold50	135903	TT	GG	1940432198
SNP_P1_168288_135907	NW_004515664.1	Scaffold50	135907	TT	GG	1940432199
SNP_P1_168289_136318	NW_004515664.1	Scaffold50	136318	GG	AA	1940432200
SNP_P1_168290_139110	NW_004515664.1	Scaffold50	139110	TT	CC	1940432201
SNP_P1_168292_186791	NW_004515664.1	Scaffold50	186791	AA	CC	1940432202
SNP_P1_168293_191709	NW_004515664.1	Scaffold50	191709	AA	CC	1940432203
SNP_P1_168296_193139	NW_004515664.1	Scaffold50	193139	CC	GG	1940432204
SNP_P1_168297_193159	NW_004515664.1	Scaffold50	193159	GG	AA	1940432205
SNP_P1_168298_193162	NW_004515664.1	Scaffold50	193162	TT	AA	1940432206
SNP_P1_168299_193609	NW_004515664.1	Scaffold50	193609	TT	CC	1940432207
SNP_P1_168300_193788	NW_004515664.1	Scaffold50	193788	TT	CC	1940432208
SNP_P1_168301_195458	NW_004515664.1	Scaffold50	195458	CC	GG	1940432209
SNP_P1_168302_196010	NW_004515664.1	Scaffold50	196010	CC	AA	1940432210
SNP_P1_168303_196015	NW_004515664.1	Scaffold50	196015	CC	AA	1940432211
SNP_P1_168304_196016	NW_004515664.1	Scaffold50	196016	CC	TT	1940432212
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SNP_P1_168307_196026	NW_004515664.1	Scaffold50	196026	TT	AA	1940432215
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SNP_P1_168311_196127	NW_004515664.1	Scaffold50	196127	GG	TT	1940432218
SNP_P1_168312_196162	NW_004515664.1	Scaffold50	196162	AA	GG	1940432219
SNP_P1_168313_201610	NW_004515664.1	Scaffold50	201610	AA	CC	1940432220
SNP_P1_168314_201660	NW_004515664.1	Scaffold50	201660	AA	CC	1940432221
SNP_P1_168315_201675	NW_004515664.1	Scaffold50	201675	AA	GG	1940432223
SNP_P1_168316_201730	NW_004515664.1	Scaffold50	201730	AA	GG	1940432224
SNP_P1_168317_201754	NW_004515664.1	Scaffold50	201754	AA	GG	1940432225
SNP_P1_168318_202129	NW_004515664.1	Scaffold50	202129	CC	GG	1940432226
SNP_P1_168319_202172	NW_004515664.1	Scaffold50	202172	TT	CC	1940432227
SNP_P1_168320_202233	NW_004515664.1	Scaffold50	202233	GG	CC	1940432228
SNP_P1_168321_202286	NW_004515664.1	Scaffold50	202286	AA	GG	1940432229
SNP_P1_168324_218579	NW_004515664.1	Scaffold50	218579	AA	CC	1940432230
SNP_P1_168325_218589	NW_004515664.1	Scaffold50	218589	TT	CC	1940432231
SNP_P1_168326_218600	NW_004515664.1	Scaffold50	218600	AA	GG	1940432232
SNP_P1_168327_231875	NW_004515664.1	Scaffold50	231875	AA	GG	1940432233
SNP_P1_168328_242569	NW_004515664.1	Scaffold50	242569	TT	CC	1940432234
SNP_P1_168329_249455	NW_004515664.1	Scaffold50	249455	GG	TT	1940432235

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168332_307881	NW_004515664.1	Scaffold50	307881	CC	TT	1940432237
SNP_P1_168333_318887	NW_004515664.1	Scaffold50	318887	CC	GG	1940432238
SNP_P1_168334_336582	NW_004515664.1	Scaffold50	336582	TT	AA	1940432239
SNP_P1_168335_345215	NW_004515664.1	Scaffold50	345215	AA	GG	1940432240
SNP_P1_168336_363710	NW_004515664.1	Scaffold50	363710	AA	GG	1940432241
SNP_P1_168337_376505	NW_004515664.1	Scaffold50	376505	CC	TT	1940432242
SNP_P1_168338_401566	NW_004515664.1	Scaffold50	401566	AA	GG	1940432243
SNP_P1_168339_413782	NW_004515664.1	Scaffold50	413782	CC	AA	1940432244
SNP_P1_168340_414551	NW_004515664.1	Scaffold50	414551	TT	CC	1940432245
SNP_P1_168341_414555	NW_004515664.1	Scaffold50	414555	GG	AA	1940432246
SNP_P1_168342_423452	NW_004515664.1	Scaffold50	423452	CC	TT	1940432247
SNP_P1_168343_423492	NW_004515664.1	Scaffold50	423492	AA	GG	1940432248
SNP_P1_168344_423511	NW_004515664.1	Scaffold50	423511	AA	GG	1940432249
SNP_P1_168345_430387	NW_004515664.1	Scaffold50	430387	CC	TT	1940432250
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SNP_P1_168348_437005	NW_004515664.1	Scaffold50	437005	AA	TT	1940432253
SNP_P1_168349_437010	NW_004515664.1	Scaffold50	437010	AA	GG	1940432254
SNP_P1_168350_437124	NW_004515664.1	Scaffold50	437124	TT	CC	1940432255
SNP_P1_168351_437131	NW_004515664.1	Scaffold50	437131	AA	GG	1940432256
SNP_P1_168352_437352	NW_004515664.1	Scaffold50	437352	TT	CC	1940432257
SNP_P1_168353_437410	NW_004515664.1	Scaffold50	437410	CC	TT	1940432258
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SNP_P1_168355_448605	NW_004515664.1	Scaffold50	448605	TT	AA	1940432260
SNP_P1_168356_448606	NW_004515664.1	Scaffold50	448606	CC	TT	1940432261
SNP_P1_168357_452219	NW_004515664.1	Scaffold50	452219	TT	AA	1940432262
SNP_P1_168358_452231	NW_004515664.1	Scaffold50	452231	AA	CC	1940432263
SNP_P1_168359_454413	NW_004515664.1	Scaffold50	454413	GG	CC	1940432264
SNP_P1_168360_456555	NW_004515664.1	Scaffold50	456555	AA	CC	1940432265
SNP_P1_168361_464038	NW_004515664.1	Scaffold50	464038	GG	AA	1940432266
SNP_P1_168362_220	NW_004515665.1	Scaffold53	220	GG	AA	1940432267
SNP_P1_168363_562	NW_004515665.1	Scaffold53	562	TT	CC	1940432268
SNP_P1_168364_576	NW_004515665.1	Scaffold53	576	TT	CC	1940432269
SNP_P1_168366_2014	NW_004515665.1	Scaffold53	2014	TT	CC	1940432270
SNP_P1_168368_2211	NW_004515665.1	Scaffold53	2211	TT	AA	1940432271
SNP_P1_168369_2225	NW_004515665.1	Scaffold53	2225	TT	CC	1940432272
SNP_P1_168370_2295	NW_004515665.1	Scaffold53	2295	TT	CC	1940432273
SNP_P1_168371_27368	NW_004515665.1	Scaffold53	27368	TT	AA	1940432274
SNP_P1_168372_102840	NW_004515665.1	Scaffold53	102840	GG	AA	1940432275
SNP_P1_168373_103586	NW_004515665.1	Scaffold53	103586	AA	GG	1940432276
SNP_P1_168374_103609	NW_004515665.1	Scaffold53	103609	CC	TT	1940432277

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168376_103890	NW_004515665.1	Scaffold53	103890	GG	AA	1940432279
SNP_P1_168377_104118	NW_004515665.1	Scaffold53	104118	CC	AA	1940432280
SNP_P1_168378_110475	NW_004515665.1	Scaffold53	110475	GG	AA	1940432281
SNP_P1_168379_124390	NW_004515665.1	Scaffold53	124390	CC	TT	1940432282
SNP_P1_168380_124864	NW_004515665.1	Scaffold53	124864	TT	AA	1940432283
SNP_P1_168381_124905	NW_004515665.1	Scaffold53	124905	CC	AA	1940432284
SNP_P1_168382_125222	NW_004515665.1	Scaffold53	125222	AA	GG	1940432285
SNP_P1_168383_125295	NW_004515665.1	Scaffold53	125295	AA	GG	1940432286
SNP_P1_168384_125356	NW_004515665.1	Scaffold53	125356	AA	CC	1940432287
SNP_P1_168385_126868	NW_004515665.1	Scaffold53	126868	GG	AA	1940432288
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SNP_P1_168387_126875	NW_004515665.1	Scaffold53	126875	AA	TT	1940432290
SNP_P1_168388_126946	NW_004515665.1	Scaffold53	126946	AA	GG	1940432291
SNP_P1_168389_127170	NW_004515665.1	Scaffold53	127170	GG	AA	1940432292
SNP_P1_168390_127387	NW_004515665.1	Scaffold53	127387	TT	AA	1940432293
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SNP_P1_168398_135032	NW_004515665.1	Scaffold53	135032	AA	GG	1940432301
SNP_P1_168399_135286	NW_004515665.1	Scaffold53	135286	TT	CC	1940432302
SNP_P1_168400_135738	NW_004515665.1	Scaffold53	135738	AA	TT	1940432303
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SNP_P1_168403_137570	NW_004515665.1	Scaffold53	137570	TT	AA	1940432305
SNP_P1_168405_140201	NW_004515665.1	Scaffold53	140201	CC	GG	1940432306
SNP_P1_168406_140205	NW_004515665.1	Scaffold53	140205	AA	CC	1940432307
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SNP_P1_168409_1012	NW_004515667.1	Scaffold56	1012	TT	GG	1940432310
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SNP_P1_168412_1832	NW_004515667.1	Scaffold56	1832	GG	CC	1940432313
SNP_P1_168413_2110	NW_004515667.1	Scaffold56	2110	CC	TT	1940432314
SNP_P1_168414_2230	NW_004515667.1	Scaffold56	2230	TT	AA	1940432315
SNP_P1_168415_2300	NW_004515667.1	Scaffold56	2300	CC	TT	1940432316
SNP_P1_168416_2524	NW_004515667.1	Scaffold56	2524	GG	AA	1940432317
SNP_P1_168417_2538	NW_004515667.1	Scaffold56	2538	AA	GG	1940432318
SNP_P1_168418_2561	NW_004515667.1	Scaffold56	2561	TT	CC	1940432319

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168421_3396	NW_004515667.1	Scaffold56	3396	TT	GG	1940432322
SNP_P1_168422_3434	NW_004515667.1	Scaffold56	3434	GG	AA	1940432323
SNP_P1_168423_12077	NW_004515667.1	Scaffold56	12077	TT	CC	1940432324
SNP_P1_168424_752	NW_004515668.1	Scaffold62	752	GG	CC	1940432325
SNP_P1_168425_3660	NW_004515668.1	Scaffold62	3660	AA	TT	1940432326
SNP_P1_168426_4975	NW_004515668.1	Scaffold62	4975	TT	CC	1940432327
SNP_P1_168427_9653	NW_004515668.1	Scaffold62	9653	AA	CC	1940432328
SNP_P1_168428_11178	NW_004515668.1	Scaffold62	11178	TT	CC	1940432329
SNP_P1_168429_16013	NW_004515668.1	Scaffold62	16013	TT	AA	1940432330
SNP_P1_168430_17932	NW_004515668.1	Scaffold62	17932	TT	GG	1940432331
SNP_P1_168431_18238	NW_004515668.1	Scaffold62	18238	GG	TT	1940432332
SNP_P1_168432_18245	NW_004515668.1	Scaffold62	18245	GG	AA	1940432333
SNP_P1_168433_18261	NW_004515668.1	Scaffold62	18261	TT	GG	1940432334
SNP_P1_168434_20338	NW_004515668.1	Scaffold62	20338	TT	AA	1940432335
SNP_P1_168435_20370	NW_004515668.1	Scaffold62	20370	AA	CC	1940432336
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SNP_P1_168446_45674	NW_004515668.1	Scaffold62	45674	CC	TT	1940432347
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SNP_P1_168448_54414	NW_004515668.1	Scaffold62	54414	GG	AA	1940432349
SNP_P1_168449_54421	NW_004515668.1	Scaffold62	54421	GG	CC	1940432350
SNP_P1_168450_54429	NW_004515668.1	Scaffold62	54429	CC	GG	1940432351
SNP_P1_168451_71741	NW_004515668.1	Scaffold62	71741	GG	AA	1940432352
SNP_P1_168452_75374	NW_004515668.1	Scaffold62	75374	TT	CC	1940432353
SNP_P1_168453_80077	NW_004515668.1	Scaffold62	80077	AA	GG	1940432354
SNP_P1_168454_80081	NW_004515668.1	Scaffold62	80081	AA	GG	1940432355
SNP_P1_168455_80153	NW_004515668.1	Scaffold62	80153	GG	TT	1940432356
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SNP_P1_168457_81916	NW_004515668.1	Scaffold62	81916	AA	GG	1940432358
SNP_P1_168458_81929	NW_004515668.1	Scaffold62	81929	TT	AA	1940432359
SNP_P1_168459_81935	NW_004515668.1	Scaffold62	81935	AA	CC	1940432360
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168463_101278	NW_004515668.1	Scaffold62	101278	TT	CC	1940432364
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SNP_P1_168465_109701	NW_004515668.1	Scaffold62	109701	AA	GG	1940432366
SNP_P1_168466_112902	NW_004515668.1	Scaffold62	112902	TT	AA	1940432367
SNP_P1_168467_113183	NW_004515668.1	Scaffold62	113183	AA	CC	1940432368
SNP_P1_168468_114770	NW_004515668.1	Scaffold62	114770	TT	CC	1940432369
SNP_P1_168469_114915	NW_004515668.1	Scaffold62	114915	GG	AA	1940432370
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SNP_P1_168471_120292	NW_004515668.1	Scaffold62	120292	CC	TT	1940432372
SNP_P1_168472_122411	NW_004515668.1	Scaffold62	122411	AA	GG	1940432373
SNP_P1_168473_122414	NW_004515668.1	Scaffold62	122414	TT	CC	1940432374
SNP_P1_168474_122461	NW_004515668.1	Scaffold62	122461	TT	AA	1940432376
SNP_P1_168475_122604	NW_004515668.1	Scaffold62	122604	TT	CC	1940432377
SNP_P1_168476_122632	NW_004515668.1	Scaffold62	122632	AA	GG	1940432378
SNP_P1_168477_122678	NW_004515668.1	Scaffold62	122678	TT	AA	1940432379
SNP_P1_168478_122694	NW_004515668.1	Scaffold62	122694	GG	AA	1940432380
SNP_P1_168479_122724	NW_004515668.1	Scaffold62	122724	AA	TT	1940432381
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SNP_P1_168492_148990	NW_004515668.1	Scaffold62	148990	TT	CC	1940432394
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SNP_P1_168495_149528	NW_004515668.1	Scaffold62	149528	CC	GG	1940432397
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SNP_P1_168503_150546	NW_004515668.1	Scaffold62	150546	CC	AA	1940432403
SNP_P1_168504_150588	NW_004515668.1	Scaffold62	150588	AA	GG	1940432404

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168507_150990	NW_004515668.1	Scaffold62	150990	AA	GG	1940432407
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SNP_P1_168516_161661	NW_004515668.1	Scaffold62	161661	AA	CC	1940432416
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SNP_P1_168518_161696	NW_004515668.1	Scaffold62	161696	AA	GG	1940432418
SNP_P1_168519_161714	NW_004515668.1	Scaffold62	161714	AA	GG	1940432419
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SNP_P1_168546_208908	NW_004515668.1	Scaffold62	208908	TT	CC	1940432445
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168556_228289	NW_004515668.1	Scaffold62	228289	TT	CC	1940432455
SNP_P1_168557_228326	NW_004515668.1	Scaffold62	228326	AA	GG	1940432456
SNP_P1_168558_228331	NW_004515668.1	Scaffold62	228331	CC	TT	1940432457
SNP_P1_168559_228335	NW_004515668.1	Scaffold62	228335	CC	TT	1940432458
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SNP_P1_168561_228516	NW_004515668.1	Scaffold62	228516	GG	TT	1940432460
SNP_P1_168562_228582	NW_004515668.1	Scaffold62	228582	AA	GG	1940432461
SNP_P1_168563_228692	NW_004515668.1	Scaffold62	228692	CC	TT	1940432462
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SNP_P1_168566_228709	NW_004515668.1	Scaffold62	228709	GG	AA	1940432465
SNP_P1_168567_228747	NW_004515668.1	Scaffold62	228747	AA	GG	1940432466
SNP_P1_168568_229055	NW_004515668.1	Scaffold62	229055	AA	GG	1940432467
SNP_P1_168569_229667	NW_004515668.1	Scaffold62	229667	AA	CC	1940432468
SNP_P1_168570_229677	NW_004515668.1	Scaffold62	229677	CC	TT	1940432469
SNP_P1_168571_229678	NW_004515668.1	Scaffold62	229678	CC	GG	1940432470
SNP_P1_168572_229734	NW_004515668.1	Scaffold62	229734	TT	GG	1940432471
SNP_P1_168573_230105	NW_004515668.1	Scaffold62	230105	GG	AA	1940432472
SNP_P1_168574_230121	NW_004515668.1	Scaffold62	230121	AA	GG	1940432473
SNP_P1_168575_230128	NW_004515668.1	Scaffold62	230128	TT	CC	1940432474
SNP_P1_168576_230151	NW_004515668.1	Scaffold62	230151	AA	GG	1940432475
SNP_P1_168577_230218	NW_004515668.1	Scaffold62	230218	CC	TT	1940432476
SNP_P1_168578_230219	NW_004515668.1	Scaffold62	230219	AA	GG	1940432477
SNP_P1_168579_230329	NW_004515668.1	Scaffold62	230329	GG	CC	1940432478
SNP_P1_168580_230648	NW_004515668.1	Scaffold62	230648	CC	GG	1940432479
SNP_P1_168581_240746	NW_004515668.1	Scaffold62	240746	AA	CC	1940432480
SNP_P1_168582_240838	NW_004515668.1	Scaffold62	240838	GG	AA	1940432481
SNP_P1_168583_241112	NW_004515668.1	Scaffold62	241112	AA	GG	1940432482
SNP_P1_168584_241140	NW_004515668.1	Scaffold62	241140	CC	AA	1940432483
SNP_P1_168585_241174	NW_004515668.1	Scaffold62	241174	CC	TT	1940432484
SNP_P1_168586_241181	NW_004515668.1	Scaffold62	241181	TT	GG	1940432485
SNP_P1_168587_242537	NW_004515668.1	Scaffold62	242537	TT	AA	1940432486
SNP_P1_168588_242930	NW_004515668.1	Scaffold62	242930	AA	GG	1940432487
SNP_P1_168589_248728	NW_004515668.1	Scaffold62	248728	GG	AA	1940432488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_168590_248753	NW_004515668.1	Scaffold62	248753	AA	CC	1940432489
SNP_P1_168591_248768	NW_004515668.1	Scaffold62	248768	TT	AA	1940432490
SNP_P1_168592_248789	NW_004515668.1	Scaffold62	248789	CC	GG	1940432491
SNP_P1_168593_248805	NW_004515668.1	Scaffold62	248805	TT	GG	1940432492
SNP_P1_168594_248844	NW_004515668.1	Scaffold62	248844	TT	AA	1940432493
SNP_P1_168595_248847	NW_004515668.1	Scaffold62	248847	TT	AA	1940432494
SNP_P1_168596_248848	NW_004515668.1	Scaffold62	248848	GG	CC	1940432495
SNP_P1_168597_248849	NW_004515668.1	Scaffold62	248849	TT	AA	1940432496
SNP_P1_168598_249007	NW_004515668.1	Scaffold62	249007	AA	TT	1940432497
SNP_P1_168599_249886	NW_004515668.1	Scaffold62	249886	CC	GG	1940432498
SNP_P1_168600_249897	NW_004515668.1	Scaffold62	249897	TT	AA	1940432499
SNP_P1_168601_249914	NW_004515668.1	Scaffold62	249914	TT	CC	1940432500
SNP_P1_168602_249934	NW_004515668.1	Scaffold62	249934	CC	TT	1940432501
SNP_P1_168603_249975	NW_004515668.1	Scaffold62	249975	CC	TT	1940432502
SNP_P1_168604_250018	NW_004515668.1	Scaffold62	250018	TT	CC	1940432503
SNP_P1_168605_250045	NW_004515668.1	Scaffold62	250045	CC	GG	1940432504
SNP_P1_168606_250260	NW_004515668.1	Scaffold62	250260	AA	TT	1940432505
SNP_P1_168607_250286	NW_004515668.1	Scaffold62	250286	TT	CC	1940432506
SNP_P1_168608_250294	NW_004515668.1	Scaffold62	250294	TT	AA	1940432507
SNP_P1_168609_250299	NW_004515668.1	Scaffold62	250299	CC	TT	1940432508
SNP_P1_168610_250304	NW_004515668.1	Scaffold62	250304	GG	CC	1940432509
SNP_P1_168611_253090	NW_004515668.1	Scaffold62	253090	CC	TT	1940432510
SNP_P1_168612_260435	NW_004515668.1	Scaffold62	260435	AA	TT	1940432511
SNP_P1_168613_260455	NW_004515668.1	Scaffold62	260455	CC	AA	1940432512
SNP_P1_168614_260497	NW_004515668.1	Scaffold62	260497	CC	TT	1940432513
SNP_P1_168615_260559	NW_004515668.1	Scaffold62	260559	TT	AA	1940432514
SNP_P1_168616_260721	NW_004515668.1	Scaffold62	260721	CC	TT	1940432515
SNP_P1_168617_260764	NW_004515668.1	Scaffold62	260764	AA	GG	1940432516
SNP_P1_168618_260830	NW_004515668.1	Scaffold62	260830	TT	AA	1940432517
SNP_P1_168619_261016	NW_004515668.1	Scaffold62	261016	GG	TT	1940432518
SNP_P1_168620_261211	NW_004515668.1	Scaffold62	261211	GG	AA	1940432519
SNP_P1_168621_261510	NW_004515668.1	Scaffold62	261510	TT	CC	1940432520
SNP_P1_168622_261521	NW_004515668.1	Scaffold62	261521	AA	GG	1940432521
SNP_P1_168623_261869	NW_004515668.1	Scaffold62	261869	TT	GG	1940432522
SNP_P1_168624_264991	NW_004515668.1	Scaffold62	264991	TT	AA	1940432523
SNP_P1_168625_265009	NW_004515668.1	Scaffold62	265009	TT	GG	1940432524
SNP_P1_168627_268476	NW_004515668.1	Scaffold62	268476	AA	GG	1940432525
SNP_P1_168628_268831	NW_004515668.1	Scaffold62	268831	GG	TT	1940432526
SNP_P1_168629_268846	NW_004515668.1	Scaffold62	268846	CC	TT	1940432527
SNP_P1_168630_268856	NW_004515668.1	Scaffold62	268856	CC	AA	1940432528
SNP_P1_168631_269087	NW_004515668.1	Scaffold62	269087	TT	CC	1940432529
SNP_P1_168632_270653	NW_004515668.1	Scaffold62	270653	CC	TT	1940432531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168634_270693	NW_004515668.1	Scaffold62	270693	GG	AA	1940432533
SNP_P1_168635_270719	NW_004515668.1	Scaffold62	270719	GG	AA	1940432534
SNP_P1_168636_270740	NW_004515668.1	Scaffold62	270740	AA	GG	1940432535
SNP_P1_168637_273227	NW_004515668.1	Scaffold62	273227	CC	AA	1940432536
SNP_P1_168638_273361	NW_004515668.1	Scaffold62	273361	CC	TT	1940432537
SNP_P1_168639_273402	NW_004515668.1	Scaffold62	273402	TT	CC	1940432538
SNP_P1_168640_273425	NW_004515668.1	Scaffold62	273425	CC	AA	1940432539
SNP_P1_168641_273438	NW_004515668.1	Scaffold62	273438	AA	GG	1940432540
SNP_P1_168642_273441	NW_004515668.1	Scaffold62	273441	TT	CC	1940432541
SNP_P1_168644_279484	NW_004515668.1	Scaffold62	279484	CC	TT	1940432542
SNP_P1_168645_279769	NW_004515668.1	Scaffold62	279769	CC	TT	1940432543
SNP_P1_168646_280709	NW_004515668.1	Scaffold62	280709	GG	AA	1940432544
SNP_P1_168647_283543	NW_004515668.1	Scaffold62	283543	TT	AA	1940432545
SNP_P1_168648_283642	NW_004515668.1	Scaffold62	283642	AA	CC	1940432546
SNP_P1_168649_283650	NW_004515668.1	Scaffold62	283650	AA	TT	1940432547
SNP_P1_168650_283780	NW_004515668.1	Scaffold62	283780	CC	TT	1940432548
SNP_P1_168651_283784	NW_004515668.1	Scaffold62	283784	TT	AA	1940432549
SNP_P1_168652_283801	NW_004515668.1	Scaffold62	283801	AA	GG	1940432550
SNP_P1_168653_283922	NW_004515668.1	Scaffold62	283922	GG	AA	1940432551
SNP_P1_168654_284018	NW_004515668.1	Scaffold62	284018	CC	AA	1940432552
SNP_P1_168655_284049	NW_004515668.1	Scaffold62	284049	CC	TT	1940432553
SNP_P1_168656_284160	NW_004515668.1	Scaffold62	284160	GG	AA	1940432554
SNP_P1_168657_289256	NW_004515668.1	Scaffold62	289256	CC	GG	1940432555
SNP_P1_168658_289535	NW_004515668.1	Scaffold62	289535	CC	GG	1940432556
SNP_P1_168659_305252	NW_004515668.1	Scaffold62	305252	GG	AA	1940432557
SNP_P1_168660_323920	NW_004515668.1	Scaffold62	323920	AA	CC	1940432558
SNP_P1_168661_324101	NW_004515668.1	Scaffold62	324101	AA	GG	1940432559
SNP_P1_168662_324112	NW_004515668.1	Scaffold62	324112	CC	AA	1940432560
SNP_P1_168663_324470	NW_004515668.1	Scaffold62	324470	AA	TT	1940432561
SNP_P1_168664_324649	NW_004515668.1	Scaffold62	324649	TT	AA	1940432562
SNP_P1_168665_324875	NW_004515668.1	Scaffold62	324875	CC	TT	1940432563
SNP_P1_168666_325016	NW_004515668.1	Scaffold62	325016	AA	GG	1940432564
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SNP_P1_168668_325033	NW_004515668.1	Scaffold62	325033	AA	CC	1940432566
SNP_P1_168669_325056	NW_004515668.1	Scaffold62	325056	GG	AA	1940432567
SNP_P1_168670_325068	NW_004515668.1	Scaffold62	325068	AA	TT	1940432568
SNP_P1_168671_326998	NW_004515668.1	Scaffold62	326998	AA	TT	1940432569
SNP_P1_168672_327063	NW_004515668.1	Scaffold62	327063	AA	CC	1940432570
SNP_P1_168673_327077	NW_004515668.1	Scaffold62	327077	CC	TT	1940432571
SNP_P1_168674_333288	NW_004515668.1	Scaffold62	333288	CC	GG	1940432572
SNP_P1_168675_335111	NW_004515668.1	Scaffold62	335111	AA	CC	1940432573

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168677_335134	NW_004515668.1	Scaffold62	335134	CC	TT	1940432575
SNP_P1_168678_335264	NW_004515668.1	Scaffold62	335264	TT	CC	1940432576
SNP_P1_168679_335287	NW_004515668.1	Scaffold62	335287	CC	TT	1940432577
SNP_P1_168680_335412	NW_004515668.1	Scaffold62	335412	AA	TT	1940432578
SNP_P1_168681_338648	NW_004515668.1	Scaffold62	338648	AA	TT	1940432579
SNP_P1_168683_344052	NW_004515668.1	Scaffold62	344052	TT	AA	1940432580
SNP_P1_168684_345370	NW_004515668.1	Scaffold62	345370	TT	CC	1940432581
SNP_P1_168685_352983	NW_004515668.1	Scaffold62	352983	CC	GG	1940432582
SNP_P1_168686_352990	NW_004515668.1	Scaffold62	352990	GG	AA	1940432583
SNP_P1_168687_353139	NW_004515668.1	Scaffold62	353139	AA	TT	1940432584
SNP_P1_168688_358270	NW_004515668.1	Scaffold62	358270	AA	GG	1940432585
SNP_P1_168689_4650	NW_004515669.1	Scaffold63	4650	CC	TT	1940432586
SNP_P1_168690_4735	NW_004515669.1	Scaffold63	4735	AA	TT	1940432587
SNP_P1_168691_4787	NW_004515669.1	Scaffold63	4787	AA	TT	1940432588
SNP_P1_168692_5022	NW_004515669.1	Scaffold63	5022	TT	GG	1940432589
SNP_P1_168693_5343	NW_004515669.1	Scaffold63	5343	AA	CC	1940432590
SNP_P1_168694_5540	NW_004515669.1	Scaffold63	5540	TT	AA	1940432591
SNP_P1_168695_5569	NW_004515669.1	Scaffold63	5569	GG	AA	1940432592
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SNP_P1_168699_6650	NW_004515669.1	Scaffold63	6650	CC	TT	1940432595
SNP_P1_168700_6662	NW_004515669.1	Scaffold63	6662	GG	CC	1940432596
SNP_P1_168701_6678	NW_004515669.1	Scaffold63	6678	TT	GG	1940432597
SNP_P1_168702_6707	NW_004515669.1	Scaffold63	6707	AA	GG	1940432598
SNP_P1_168703_6737	NW_004515669.1	Scaffold63	6737	CC	AA	1940432599
SNP_P1_168704_6798	NW_004515669.1	Scaffold63	6798	CC	GG	1940432600
SNP_P1_168705_6824	NW_004515669.1	Scaffold63	6824	AA	GG	1940432601
SNP_P1_168706_6838	NW_004515669.1	Scaffold63	6838	TT	CC	1940432602
SNP_P1_168707_6924	NW_004515669.1	Scaffold63	6924	TT	GG	1940432603
SNP_P1_168708_6933	NW_004515669.1	Scaffold63	6933	GG	TT	1940432604
SNP_P1_168710_16607	NW_004515669.1	Scaffold63	16607	GG	CC	1940432605
SNP_P1_168711_16633	NW_004515669.1	Scaffold63	16633	GG	CC	1940432606
SNP_P1_168712_19447	NW_004515669.1	Scaffold63	19447	TT	CC	1940432607
SNP_P1_168713_19553	NW_004515669.1	Scaffold63	19553	TT	GG	1940432608
SNP_P1_168714_19712	NW_004515669.1	Scaffold63	19712	CC	TT	1940432609
SNP_P1_168715_20129	NW_004515669.1	Scaffold63	20129	CC	TT	1940432610
SNP_P1_168716_20131	NW_004515669.1	Scaffold63	20131	AA	GG	1940432611
SNP_P1_168717_20376	NW_004515669.1	Scaffold63	20376	AA	CC	1940432612
SNP_P1_168718_20877	NW_004515669.1	Scaffold63	20877	TT	GG	1940432613
SNP_P1_168719_20880	NW_004515669.1	Scaffold63	20880	TT	AA	1940432614
SNP_P1_168720_20905	NW_004515669.1	Scaffold63	20905	GG	CC	1940432615

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168722_21212	NW_004515669.1	Scaffold63	21212	GG	TT	1940432617
SNP_P1_168723_21291	NW_004515669.1	Scaffold63	21291	GG	TT	1940432618
SNP_P1_168724_21300	NW_004515669.1	Scaffold63	21300	TT	GG	1940432619
SNP_P1_168725_21326	NW_004515669.1	Scaffold63	21326	AA	GG	1940432620
SNP_P1_168726_21330	NW_004515669.1	Scaffold63	21330	AA	GG	1940432621
SNP_P1_168727_21405	NW_004515669.1	Scaffold63	21405	AA	GG	1940432622
SNP_P1_168728_21735	NW_004515669.1	Scaffold63	21735	AA	GG	1940432623
SNP_P1_168729_21935	NW_004515669.1	Scaffold63	21935	GG	AA	1940432624
SNP_P1_168730_23027	NW_004515669.1	Scaffold63	23027	AA	GG	1940432625
SNP_P1_168731_23057	NW_004515669.1	Scaffold63	23057	AA	GG	1940432626
SNP_P1_168732_23132	NW_004515669.1	Scaffold63	23132	CC	AA	1940432627
SNP_P1_168733_23211	NW_004515669.1	Scaffold63	23211	CC	TT	1940432628
SNP_P1_168734_23235	NW_004515669.1	Scaffold63	23235	GG	AA	1940432629
SNP_P1_168735_23362	NW_004515669.1	Scaffold63	23362	TT	CC	1940432630
SNP_P1_168736_23365	NW_004515669.1	Scaffold63	23365	AA	GG	1940432631
SNP_P1_168737_31101	NW_004515669.1	Scaffold63	31101	CC	TT	1940432632
SNP_P1_168738_34368	NW_004515669.1	Scaffold63	34368	CC	GG	1940432633
SNP_P1_168739_36195	NW_004515669.1	Scaffold63	36195	TT	AA	1940432634
SNP_P1_168740_36288	NW_004515669.1	Scaffold63	36288	TT	AA	1940432635
SNP_P1_168741_50065	NW_004515669.1	Scaffold63	50065	TT	CC	1940432636
SNP_P1_168742_50106	NW_004515669.1	Scaffold63	50106	AA	GG	1940432637
SNP_P1_168743_50207	NW_004515669.1	Scaffold63	50207	AA	CC	1940432638
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SNP_P1_168747_50348	NW_004515669.1	Scaffold63	50348	AA	GG	1940432642
SNP_P1_168748_54088	NW_004515669.1	Scaffold63	54088	GG	AA	1940432643
SNP_P1_168749_54093	NW_004515669.1	Scaffold63	54093	AA	GG	1940432644
SNP_P1_168750_55002	NW_004515669.1	Scaffold63	55002	TT	GG	1940432645
SNP_P1_168751_57413	NW_004515669.1	Scaffold63	57413	TT	CC	1940432646
SNP_P1_168752_59231	NW_004515669.1	Scaffold63	59231	AA	GG	1940432647
SNP_P1_168753_59243	NW_004515669.1	Scaffold63	59243	AA	GG	1940432648
SNP_P1_168754_59261	NW_004515669.1	Scaffold63	59261	AA	GG	1940432649
SNP_P1_168756_59350	NW_004515669.1	Scaffold63	59350	AA	TT	1940432650
SNP_P1_168757_59395	NW_004515669.1	Scaffold63	59395	TT	AA	1940432651
SNP_P1_168758_59448	NW_004515669.1	Scaffold63	59448	AA	TT	1940432652
SNP_P1_168759_59541	NW_004515669.1	Scaffold63	59541	AA	CC	1940432653
SNP_P1_168760_59672	NW_004515669.1	Scaffold63	59672	TT	CC	1940432654
SNP_P1_168761_63733	NW_004515669.1	Scaffold63	63733	GG	AA	1940432655
SNP_P1_168762_63959	NW_004515669.1	Scaffold63	63959	CC	TT	1940432656
SNP_P1_168763_64477	NW_004515669.1	Scaffold63	64477	AA	TT	1940432657
SNP_P1_168764_64540	NW_004515669.1	Scaffold63	64540	TT	CC	1940432658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168766_65073	NW_004515669.1	Scaffold63	65073	TT	GG	1940432660
SNP_P1_168768_68179	NW_004515669.1	Scaffold63	68179	AA	GG	1940432661
SNP_P1_168769_12010	NW_004515671.1	Scaffold71	12010	CC	TT	1940432662
SNP_P1_168770_21009	NW_004515671.1	Scaffold71	21009	TT	CC	1940432663
SNP_P1_168771_21012	NW_004515671.1	Scaffold71	21012	CC	GG	1940432664
SNP_P1_168772_21024	NW_004515671.1	Scaffold71	21024	GG	TT	1940432665
SNP_P1_168773_21044	NW_004515671.1	Scaffold71	21044	CC	GG	1940432666
SNP_P1_168774_21144	NW_004515671.1	Scaffold71	21144	TT	CC	1940432667
SNP_P1_168775_21150	NW_004515671.1	Scaffold71	21150	AA	GG	1940432668
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SNP_P1_168777_21423	NW_004515671.1	Scaffold71	21423	TT	CC	1940432670
SNP_P1_168778_21459	NW_004515671.1	Scaffold71	21459	TT	AA	1940432671
SNP_P1_168781_39304	NW_004515671.1	Scaffold71	39304	AA	GG	1940432672
SNP_P1_168782_40758	NW_004515671.1	Scaffold71	40758	CC	TT	1940432673
SNP_P1_168783_6307	NW_004515672.1	Scaffold72	6307	CC	AA	1940432674
SNP_P1_168784_8517	NW_004515672.1	Scaffold72	8517	TT	CC	1940432675
SNP_P1_168785_8599	NW_004515672.1	Scaffold72	8599	AA	CC	1940432676
SNP_P1_168786_8635	NW_004515672.1	Scaffold72	8635	AA	CC	1940432677
SNP_P1_168787_9367	NW_004515672.1	Scaffold72	9367	AA	GG	1940432678
SNP_P1_168788_9368	NW_004515672.1	Scaffold72	9368	CC	TT	1940432679
SNP_P1_168789_15204	NW_004515672.1	Scaffold72	15204	TT	CC	1940432680
SNP_P1_168790_15250	NW_004515672.1	Scaffold72	15250	GG	TT	1940432681
SNP_P1_168791_15386	NW_004515672.1	Scaffold72	15386	AA	CC	1940432682
SNP_P1_168793_3133	NW_004515673.1	Scaffold73	3133	GG	CC	1940432683
SNP_P1_168794_1102	NW_004515674.1	Scaffold74	1102	TT	AA	1940432684
SNP_P1_168795_4471	NW_004515674.1	Scaffold74	4471	AA	TT	1940432685
SNP_P1_168796_13400	NW_004515674.1	Scaffold74	13400	CC	AA	1940432686
SNP_P1_168797_17592	NW_004515674.1	Scaffold74	17592	AA	TT	1940432687
SNP_P1_168798_17605	NW_004515674.1	Scaffold74	17605	CC	GG	1940432688
SNP_P1_168799_30653	NW_004515674.1	Scaffold74	30653	TT	CC	1940432689
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SNP_P1_168801_34636	NW_004515674.1	Scaffold74	34636	GG	AA	1940432691
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SNP_P1_168805_43759	NW_004515674.1	Scaffold74	43759	TT	CC	1940432695
SNP_P1_168806_54887	NW_004515674.1	Scaffold74	54887	GG	AA	1940432696
SNP_P1_168807_54893	NW_004515674.1	Scaffold74	54893	GG	AA	1940432697
SNP_P1_168808_55314	NW_004515674.1	Scaffold74	55314	CC	TT	1940432698
SNP_P1_168809_55387	NW_004515674.1	Scaffold74	55387	AA	GG	1940432699
SNP_P1_168810_55444	NW_004515674.1	Scaffold74	55444	CC	TT	1940432700

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168812_56772	NW_004515674.1	Scaffold74	56772	CC	AA	1940432702
SNP_P1_168813_56953	NW_004515674.1	Scaffold74	56953	GG	AA	1940432703
SNP_P1_168814_56958	NW_004515674.1	Scaffold74	56958	TT	CC	1940432704
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SNP_P1_168816_56989	NW_004515674.1	Scaffold74	56989	AA	GG	1940432706
SNP_P1_168817_66054	NW_004515674.1	Scaffold74	66054	AA	GG	1940432707
SNP_P1_168818_66061	NW_004515674.1	Scaffold74	66061	CC	GG	1940432708
SNP_P1_168819_66297	NW_004515674.1	Scaffold74	66297	CC	TT	1940432709
SNP_P1_168820_66301	NW_004515674.1	Scaffold74	66301	TT	CC	1940432710
SNP_P1_168821_66307	NW_004515674.1	Scaffold74	66307	CC	GG	1940432711
SNP_P1_168822_66310	NW_004515674.1	Scaffold74	66310	GG	TT	1940432712
SNP_P1_168823_66314	NW_004515674.1	Scaffold74	66314	AA	TT	1940432713
SNP_P1_168824_66797	NW_004515674.1	Scaffold74	66797	CC	AA	1940432714
SNP_P1_168825_67218	NW_004515674.1	Scaffold74	67218	AA	GG	1940432715
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SNP_P1_168827_68927	NW_004515674.1	Scaffold74	68927	TT	AA	1940432717
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SNP_P1_168837_72273	NW_004515674.1	Scaffold74	72273	CC	TT	1940432726
SNP_P1_168838_72616	NW_004515674.1	Scaffold74	72616	TT	CC	1940432727
SNP_P1_168839_86574	NW_004515674.1	Scaffold74	86574	AA	TT	1940432728
SNP_P1_168840_91127	NW_004515674.1	Scaffold74	91127	TT	AA	1940432729
SNP_P1_168841_91129	NW_004515674.1	Scaffold74	91129	GG	CC	1940432730
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SNP_P1_168846_101624	NW_004515674.1	Scaffold74	101624	TT	CC	1940432735
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SNP_P1_168848_64	NW_004515675.1	Scaffold76	64	TT	CC	1940432737
SNP_P1_168850_266	NW_004515675.1	Scaffold76	266	CC	TT	1940432738
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SNP_P1_168852_9641	NW_004515676.1	Scaffold80	9641	CC	AA	1940432740
SNP_P1_168853_9648	NW_004515676.1	Scaffold80	9648	TT	GG	1940432741
SNP_P1_168854_9660	NW_004515676.1	Scaffold80	9660	CC	AA	1940432742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168857_9848	NW_004515676.1	Scaffold80	9848	AA	GG	1940432745
SNP_P1_168859_35191	NW_004515676.1	Scaffold80	35191	TT	GG	1940432746
SNP_P1_168860_43437	NW_004515676.1	Scaffold80	43437	AA	TT	1940432747
SNP_P1_168861_44435	NW_004515676.1	Scaffold80	44435	AA	TT	1940432748
SNP_P1_168862_56184	NW_004515676.1	Scaffold80	56184	AA	GG	1940432749
SNP_P1_168863_56186	NW_004515676.1	Scaffold80	56186	TT	CC	1940432750
SNP_P1_168864_56617	NW_004515676.1	Scaffold80	56617	CC	TT	1940432751
SNP_P1_168865_56668	NW_004515676.1	Scaffold80	56668	TT	GG	1940432752
SNP_P1_168866_56708	NW_004515676.1	Scaffold80	56708	AA	CC	1940432753
SNP_P1_168867_56758	NW_004515676.1	Scaffold80	56758	TT	CC	1940432754
SNP_P1_168869_56850	NW_004515676.1	Scaffold80	56850	TT	GG	1940432755
SNP_P1_168870_66011	NW_004515676.1	Scaffold80	66011	CC	TT	1940432756
SNP_P1_168871_66259	NW_004515676.1	Scaffold80	66259	CC	GG	1940432757
SNP_P1_168872_66262	NW_004515676.1	Scaffold80	66262	AA	TT	1940432758
SNP_P1_168873_66400	NW_004515676.1	Scaffold80	66400	GG	AA	1940432759
SNP_P1_168874_66429	NW_004515676.1	Scaffold80	66429	AA	TT	1940432760
SNP_P1_168876_78881	NW_004515676.1	Scaffold80	78881	CC	AA	1940432761
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SNP_P1_168878_79446	NW_004515676.1	Scaffold80	79446	AA	GG	1940432763
SNP_P1_168879_79463	NW_004515676.1	Scaffold80	79463	AA	GG	1940432764
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SNP_P1_168881_83889	NW_004515676.1	Scaffold80	83889	AA	GG	1940432766
SNP_P1_168882_89909	NW_004515676.1	Scaffold80	89909	TT	GG	1940432767
SNP_P1_168883_90178	NW_004515676.1	Scaffold80	90178	AA	CC	1940432768
SNP_P1_168884_90207	NW_004515676.1	Scaffold80	90207	AA	GG	1940432769
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SNP_P1_168886_90244	NW_004515676.1	Scaffold80	90244	AA	GG	1940432771
SNP_P1_168887_92788	NW_004515676.1	Scaffold80	92788	CC	GG	1940432772
SNP_P1_168888_101664	NW_004515676.1	Scaffold80	101664	TT	CC	1940432773
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SNP_P1_168890_101818	NW_004515676.1	Scaffold80	101818	CC	TT	1940432775
SNP_P1_168891_101827	NW_004515676.1	Scaffold80	101827	TT	CC	1940432776
SNP_P1_168892_101828	NW_004515676.1	Scaffold80	101828	TT	CC	1940432777
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SNP_P1_168894_101895	NW_004515676.1	Scaffold80	101895	CC	GG	1940432779
SNP_P1_168895_108770	NW_004515676.1	Scaffold80	108770	GG	TT	1940432780
SNP_P1_168896_108828	NW_004515676.1	Scaffold80	108828	CC	TT	1940432781
SNP_P1_168897_119246	NW_004515676.1	Scaffold80	119246	GG	AA	1940432782
SNP_P1_168898_119255	NW_004515676.1	Scaffold80	119255	GG	TT	1940432783
SNP_P1_168899_119738	NW_004515676.1	Scaffold80	119738	TT	CC	1940432784

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168902_134458	NW_004515676.1	Scaffold80	134458	CC	TT	1940432787
SNP_P1_168903_134476	NW_004515676.1	Scaffold80	134476	AA	TT	1940432788
SNP_P1_168905_137904	NW_004515676.1	Scaffold80	137904	GG	AA	1940432789
SNP_P1_168906_137907	NW_004515676.1	Scaffold80	137907	TT	CC	1940432790
SNP_P1_168907_144171	NW_004515676.1	Scaffold80	144171	CC	AA	1940432791
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SNP_P1_168909_144466	NW_004515676.1	Scaffold80	144466	CC	TT	1940432794
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SNP_P1_168913_150730	NW_004515676.1	Scaffold80	150730	GG	AA	1940432797
SNP_P1_168914_150774	NW_004515676.1	Scaffold80	150774	TT	CC	1940432798
SNP_P1_168915_150872	NW_004515676.1	Scaffold80	150872	AA	GG	1940432799
SNP_P1_168916_150908	NW_004515676.1	Scaffold80	150908	AA	GG	1940432800
SNP_P1_168917_151148	NW_004515676.1	Scaffold80	151148	AA	CC	1940432801
SNP_P1_168918_151382	NW_004515676.1	Scaffold80	151382	TT	CC	1940432802
SNP_P1_168919_156737	NW_004515676.1	Scaffold80	156737	TT	AA	1940432803
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SNP_P1_168922_173329	NW_004515676.1	Scaffold80	173329	TT	AA	1940432806
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SNP_P1_168933_273140	NW_004515676.1	Scaffold80	273140	AA	GG	1940432812
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SNP_P1_168939_313187	NW_004515676.1	Scaffold80	313187	TT	AA	1940432816
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SNP_P1_168945_354107	NW_004515676.1	Scaffold80	354107	TT	CC	1940432822
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SNP_P1_168947_355675	NW_004515676.1	Scaffold80	355675	AA	TT	1940432824
SNP_P1_168948_355722	NW_004515676.1	Scaffold80	355722	AA	GG	1940432825
SNP_P1_168949_355728	NW_004515676.1	Scaffold80	355728	TT	CC	1940432826
SNP_P1_168950_356210	NW_004515676.1	Scaffold80	356210	AA	TT	1940432827

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168953_358227	NW_004515676.1	Scaffold80	358227	CC	AA	1940432830
SNP_P1_168954_358229	NW_004515676.1	Scaffold80	358229	AA	GG	1940432831
SNP_P1_168955_358230	NW_004515676.1	Scaffold80	358230	GG	AA	1940432832
SNP_P1_168956_358236	NW_004515676.1	Scaffold80	358236	GG	AA	1940432833
SNP_P1_168957_358242	NW_004515676.1	Scaffold80	358242	CC	TT	1940432834
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SNP_P1_168959_358593	NW_004515676.1	Scaffold80	358593	AA	GG	1940432836
SNP_P1_168960_364567	NW_004515676.1	Scaffold80	364567	AA	GG	1940432837
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SNP_P1_168962_364594	NW_004515676.1	Scaffold80	364594	AA	TT	1940432839
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SNP_P1_168964_364646	NW_004515676.1	Scaffold80	364646	GG	TT	1940432841
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SNP_P1_168967_379990	NW_004515676.1	Scaffold80	379990	CC	TT	1940432844
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SNP_P1_168981_446758	NW_004515676.1	Scaffold80	446758	CC	GG	1940432858
SNP_P1_168983_36739	NW_004515677.1	Scaffold81	36739	CC	TT	1940432859
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SNP_P1_168992_90700	NW_004515677.1	Scaffold81	90700	GG	AA	1940432868
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_168996_90811	NW_004515677.1	Scaffold81	90811	CC	TT	1940432872
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SNP_P1_168998_91219	NW_004515677.1	Scaffold81	91219	AA	TT	1940432874
SNP_P1_168999_91280	NW_004515677.1	Scaffold81	91280	TT	AA	1940432875
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SNP_P1_169001_91326	NW_004515677.1	Scaffold81	91326	TT	AA	1940432877
SNP_P1_169002_91331	NW_004515677.1	Scaffold81	91331	AA	GG	1940432878
SNP_P1_169003_91356	NW_004515677.1	Scaffold81	91356	CC	TT	1940432879
SNP_P1_169004_91376	NW_004515677.1	Scaffold81	91376	AA	TT	1940432880
SNP_P1_169006_91424	NW_004515677.1	Scaffold81	91424	GG	CC	1940432881
SNP_P1_169007_91446	NW_004515677.1	Scaffold81	91446	GG	AA	1940432882
SNP_P1_169008_91448	NW_004515677.1	Scaffold81	91448	GG	AA	1940432883
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SNP_P1_169018_91643	NW_004515677.1	Scaffold81	91643	GG	AA	1940432893
SNP_P1_169019_91665	NW_004515677.1	Scaffold81	91665	AA	GG	1940432894
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SNP_P1_169023_91928	NW_004515677.1	Scaffold81	91928	AA	GG	1940432898
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SNP_P1_169025_92003	NW_004515677.1	Scaffold81	92003	AA	TT	1940432900
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SNP_P1_169030_5632	NW_004515679.1	Scaffold83	5632	AA	GG	1940432905
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SNP_P1_169033_6063	NW_004515679.1	Scaffold83	6063	AA	TT	1940432908
SNP_P1_169034_6067	NW_004515679.1	Scaffold83	6067	GG	AA	1940432909
SNP_P1_169035_6079	NW_004515679.1	Scaffold83	6079	CC	TT	1940432910
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169040_1116	NW_004515681.1	Scaffold86	1116	AA	GG	1940432915
SNP_P1_169041_1152	NW_004515681.1	Scaffold86	1152	TT	AA	1940432916
SNP_P1_169042_8440	NW_004515681.1	Scaffold86	8440	CC	AA	1940432917
SNP_P1_169043_18526	NW_004515681.1	Scaffold86	18526	GG	CC	1940432918
SNP_P1_169044_18896	NW_004515681.1	Scaffold86	18896	AA	GG	1940432919
SNP_P1_169045_28445	NW_004515681.1	Scaffold86	28445	CC	TT	1940432920
SNP_P1_169046_28651	NW_004515681.1	Scaffold86	28651	TT	GG	1940432921
SNP_P1_169047_28901	NW_004515681.1	Scaffold86	28901	TT	GG	1940432922
SNP_P1_169048_37272	NW_004515681.1	Scaffold86	37272	AA	TT	1940432923
SNP_P1_169049_39618	NW_004515681.1	Scaffold86	39618	CC	TT	1940432924
SNP_P1_169050_40509	NW_004515681.1	Scaffold86	40509	TT	CC	1940432925
SNP_P1_169051_64497	NW_004515681.1	Scaffold86	64497	GG	AA	1940432926
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SNP_P1_169055_68259	NW_004515681.1	Scaffold86	68259	GG	AA	1940432930
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SNP_P1_169059_88269	NW_004515681.1	Scaffold86	88269	CC	TT	1940432934
SNP_P1_169060_88275	NW_004515681.1	Scaffold86	88275	AA	GG	1940432935
SNP_P1_169061_88577	NW_004515681.1	Scaffold86	88577	AA	GG	1940432936
SNP_P1_169062_9071	NW_004515682.1	Scaffold87	9071	AA	GG	1940432937
SNP_P1_169063_9277	NW_004515682.1	Scaffold87	9277	GG	AA	1940432938
SNP_P1_169064_9294	NW_004515682.1	Scaffold87	9294	CC	TT	1940432939
SNP_P1_169065_9297	NW_004515682.1	Scaffold87	9297	GG	TT	1940432940
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SNP_P1_169073_67179	NW_004515682.1	Scaffold87	67179	CC	TT	1940432947
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SNP_P1_169077_87311	NW_004515682.1	Scaffold87	87311	CC	TT	1940432951
SNP_P1_169078_87801	NW_004515682.1	Scaffold87	87801	GG	AA	1940432952
SNP_P1_169079_87859	NW_004515682.1	Scaffold87	87859	GG	AA	1940432953
SNP_P1_169081_115113	NW_004515682.1	Scaffold87	115113	TT	GG	1940432954

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169085_118025	NW_004515682.1	Scaffold87	118025	TT	GG	1940432958
SNP_P1_169086_118030	NW_004515682.1	Scaffold87	118030	CC	TT	1940432959
SNP_P1_169087_118039	NW_004515682.1	Scaffold87	118039	TT	CC	1940432960
SNP_P1_169088_118111	NW_004515682.1	Scaffold87	118111	TT	AA	1940432961
SNP_P1_169089_118123	NW_004515682.1	Scaffold87	118123	TT	CC	1940432962
SNP_P1_169090_118265	NW_004515682.1	Scaffold87	118265	CC	TT	1940432963
SNP_P1_169091_118351	NW_004515682.1	Scaffold87	118351	GG	AA	1940432964
SNP_P1_169092_118576	NW_004515682.1	Scaffold87	118576	GG	AA	1940432965
SNP_P1_169093_118577	NW_004515682.1	Scaffold87	118577	AA	GG	1940432966
SNP_P1_169094_140377	NW_004515682.1	Scaffold87	140377	TT	AA	1940432967
SNP_P1_169095_140383	NW_004515682.1	Scaffold87	140383	GG	AA	1940432968
SNP_P1_169096_140493	NW_004515682.1	Scaffold87	140493	AA	GG	1940432969
SNP_P1_169097_140546	NW_004515682.1	Scaffold87	140546	CC	TT	1940432970
SNP_P1_169098_140791	NW_004515682.1	Scaffold87	140791	AA	GG	1940432971
SNP_P1_169099_141923	NW_004515682.1	Scaffold87	141923	GG	AA	1940432972
SNP_P1_169100_149115	NW_004515682.1	Scaffold87	149115	AA	GG	1940432973
SNP_P1_169101_149153	NW_004515682.1	Scaffold87	149153	AA	TT	1940432974
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SNP_P1_169105_149408	NW_004515682.1	Scaffold87	149408	GG	AA	1940432977
SNP_P1_169106_158657	NW_004515682.1	Scaffold87	158657	TT	CC	1940432978
SNP_P1_169107_158697	NW_004515682.1	Scaffold87	158697	AA	GG	1940432979
SNP_P1_169108_158889	NW_004515682.1	Scaffold87	158889	TT	GG	1940432980
SNP_P1_169109_158934	NW_004515682.1	Scaffold87	158934	TT	CC	1940432981
SNP_P1_169110_158943	NW_004515682.1	Scaffold87	158943	AA	GG	1940432982
SNP_P1_169111_170810	NW_004515682.1	Scaffold87	170810	GG	AA	1940432983
SNP_P1_169112_208621	NW_004515682.1	Scaffold87	208621	GG	AA	1940432984
SNP_P1_169113_210718	NW_004515682.1	Scaffold87	210718	GG	AA	1940432985
SNP_P1_169114_253583	NW_004515682.1	Scaffold87	253583	AA	TT	1940432986
SNP_P1_169115_257721	NW_004515682.1	Scaffold87	257721	GG	AA	1940432987
SNP_P1_169116_264947	NW_004515682.1	Scaffold87	264947	CC	AA	1940432988
SNP_P1_169117_280060	NW_004515682.1	Scaffold87	280060	AA	GG	1940432989
SNP_P1_169118_306562	NW_004515682.1	Scaffold87	306562	TT	CC	1940432990
SNP_P1_169119_306847	NW_004515682.1	Scaffold87	306847	AA	GG	1940432991
SNP_P1_169120_306848	NW_004515682.1	Scaffold87	306848	CC	TT	1940432992
SNP_P1_169121_306863	NW_004515682.1	Scaffold87	306863	AA	GG	1940432993
SNP_P1_169122_306899	NW_004515682.1	Scaffold87	306899	AA	GG	1940432994
SNP_P1_169123_306982	NW_004515682.1	Scaffold87	306982	AA	TT	1940432995
SNP_P1_169124_333298	NW_004515682.1	Scaffold87	333298	CC	TT	1940432996

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169127_351201	NW_004515682.1	Scaffold87	351201	CC	TT	1940432999
SNP_P1_169128_354297	NW_004515682.1	Scaffold87	354297	AA	GG	1940433000
SNP_P1_169132_389321	NW_004515682.1	Scaffold87	389321	GG	AA	1940433001
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SNP_P1_169136_421829	NW_004515682.1	Scaffold87	421829	TT	GG	1940433005
SNP_P1_169137_423971	NW_004515682.1	Scaffold87	423971	AA	GG	1940433006
SNP_P1_169138_424661	NW_004515682.1	Scaffold87	424661	GG	AA	1940433007
SNP_P1_169139_434715	NW_004515682.1	Scaffold87	434715	CC	TT	1940433008
SNP_P1_169140_434731	NW_004515682.1	Scaffold87	434731	TT	GG	1940433009
SNP_P1_169141_434842	NW_004515682.1	Scaffold87	434842	GG	AA	1940433010
SNP_P1_169142_434876	NW_004515682.1	Scaffold87	434876	AA	GG	1940433011
SNP_P1_169143_434887	NW_004515682.1	Scaffold87	434887	TT	AA	1940433012
SNP_P1_169144_434897	NW_004515682.1	Scaffold87	434897	AA	GG	1940433013
SNP_P1_169145_435106	NW_004515682.1	Scaffold87	435106	CC	GG	1940433014
SNP_P1_169146_435172	NW_004515682.1	Scaffold87	435172	TT	AA	1940433015
SNP_P1_169147_435203	NW_004515682.1	Scaffold87	435203	GG	AA	1940433016
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SNP_P1_169171_471177	NW_004515682.1	Scaffold87	471177	CC	TT	1940433036
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SNP_P1_169173_471400	NW_004515682.1	Scaffold87	471400	TT	AA	1940433038

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169176_471945	NW_004515682.1	Scaffold87	471945	GG	AA	1940433041
SNP_P1_169177_474762	NW_004515682.1	Scaffold87	474762	AA	CC	1940433042
SNP_P1_169178_475116	NW_004515682.1	Scaffold87	475116	CC	AA	1940433043
SNP_P1_169179_475171	NW_004515682.1	Scaffold87	475171	TT	GG	1940433044
SNP_P1_169180_475554	NW_004515682.1	Scaffold87	475554	TT	GG	1940433045
SNP_P1_169181_475564	NW_004515682.1	Scaffold87	475564	AA	TT	1940433046
SNP_P1_169182_483231	NW_004515682.1	Scaffold87	483231	CC	TT	1940433047
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SNP_P1_169186_538002	NW_004515682.1	Scaffold87	538002	GG	AA	1940433051
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SNP_P1_169197_575954	NW_004515682.1	Scaffold87	575954	CC	GG	1940433061
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SNP_P1_169209_595350	NW_004515682.1	Scaffold87	595350	AA	GG	1940433070
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SNP_P1_169218_596042	NW_004515682.1	Scaffold87	596042	GG	AA	1940433079
SNP_P1_169219_596043	NW_004515682.1	Scaffold87	596043	TT	CC	1940433080

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169222_596981	NW_004515682.1	Scaffold87	596981	GG	AA	1940433083
SNP_P1_169224_597728	NW_004515682.1	Scaffold87	597728	AA	GG	1940433084
SNP_P1_169225_598090	NW_004515682.1	Scaffold87	598090	GG	TT	1940433085
SNP_P1_169226_598166	NW_004515682.1	Scaffold87	598166	TT	CC	1940433086
SNP_P1_169227_598184	NW_004515682.1	Scaffold87	598184	AA	GG	1940433087
SNP_P1_169228_598308	NW_004515682.1	Scaffold87	598308	GG	CC	1940433088
SNP_P1_169229_598355	NW_004515682.1	Scaffold87	598355	AA	TT	1940433089
SNP_P1_169230_598388	NW_004515682.1	Scaffold87	598388	CC	TT	1940433090
SNP_P1_169231_598408	NW_004515682.1	Scaffold87	598408	AA	TT	1940433091
SNP_P1_169232_598409	NW_004515682.1	Scaffold87	598409	TT	GG	1940433092
SNP_P1_169233_598431	NW_004515682.1	Scaffold87	598431	GG	AA	1940433093
SNP_P1_169234_598481	NW_004515682.1	Scaffold87	598481	TT	CC	1940433094
SNP_P1_169235_11765	NW_004515683.1	Scaffold88	11765	CC	TT	1940433095
SNP_P1_169237_31848	NW_004515683.1	Scaffold88	31848	GG	AA	1940433096
SNP_P1_169238_48778	NW_004515683.1	Scaffold88	48778	CC	TT	1940433097
SNP_P1_169239_61164	NW_004515683.1	Scaffold88	61164	GG	TT	1940433098
SNP_P1_169240_61172	NW_004515683.1	Scaffold88	61172	AA	TT	1940433099
SNP_P1_169242_79155	NW_004515683.1	Scaffold88	79155	AA	GG	1940433100
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SNP_P1_169245_99404	NW_004515683.1	Scaffold88	99404	TT	CC	1940433103
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SNP_P1_169247_115089	NW_004515683.1	Scaffold88	115089	GG	AA	1940433105
SNP_P1_169248_123484	NW_004515683.1	Scaffold88	123484	TT	CC	1940433106
SNP_P1_169249_129001	NW_004515683.1	Scaffold88	129001	AA	GG	1940433107
SNP_P1_169250_133845	NW_004515683.1	Scaffold88	133845	GG	TT	1940433108
SNP_P1_169252_134229	NW_004515683.1	Scaffold88	134229	TT	GG	1940433109
SNP_P1_169253_134328	NW_004515683.1	Scaffold88	134328	TT	CC	1940433110
SNP_P1_169254_152990	NW_004515683.1	Scaffold88	152990	GG	TT	1940433111
SNP_P1_169255_156591	NW_004515683.1	Scaffold88	156591	TT	CC	1940433112
SNP_P1_169256_165264	NW_004515683.1	Scaffold88	165264	CC	TT	1940433113
SNP_P1_169257_165318	NW_004515683.1	Scaffold88	165318	GG	TT	1940433114
SNP_P1_169258_181325	NW_004515683.1	Scaffold88	181325	CC	TT	1940433115
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SNP_P1_169260_181413	NW_004515683.1	Scaffold88	181413	GG	AA	1940433117
SNP_P1_169261_181435	NW_004515683.1	Scaffold88	181435	CC	TT	1940433118
SNP_P1_169262_183509	NW_004515683.1	Scaffold88	183509	CC	TT	1940433119
SNP_P1_169263_197965	NW_004515683.1	Scaffold88	197965	CC	AA	1940433120
SNP_P1_169264_197967	NW_004515683.1	Scaffold88	197967	GG	TT	1940433121
SNP_P1_169267_246989	NW_004515683.1	Scaffold88	246989	TT	CC	1940433122
SNP_P1_169270_3082	NW_004515684.1	Scaffold89	3082	CC	TT	1940433123

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169272_6586	NW_004515684.1	Scaffold89	6586	AA	GG	1940433125
SNP_P1_169273_6628	NW_004515684.1	Scaffold89	6628	GG	AA	1940433126
SNP_P1_169274_6705	NW_004515684.1	Scaffold89	6705	CC	TT	1940433127
SNP_P1_169275_6778	NW_004515684.1	Scaffold89	6778	CC	TT	1940433128
SNP_P1_169276_7509	NW_004515684.1	Scaffold89	7509	GG	AA	1940433129
SNP_P1_169277_7528	NW_004515684.1	Scaffold89	7528	TT	AA	1940433130
SNP_P1_169278_7543	NW_004515684.1	Scaffold89	7543	TT	AA	1940433131
SNP_P1_169279_7593	NW_004515684.1	Scaffold89	7593	AA	TT	1940433132
SNP_P1_169280_13164	NW_004515684.1	Scaffold89	13164	CC	TT	1940433133
SNP_P1_169281_13174	NW_004515684.1	Scaffold89	13174	CC	AA	1940433134
SNP_P1_169282_13220	NW_004515684.1	Scaffold89	13220	GG	AA	1940433135
SNP_P1_169283_13223	NW_004515684.1	Scaffold89	13223	AA	TT	1940433136
SNP_P1_169284_13487	NW_004515684.1	Scaffold89	13487	AA	CC	1940433137
SNP_P1_169285_13505	NW_004515684.1	Scaffold89	13505	AA	GG	1940433138
SNP_P1_169286_13562	NW_004515684.1	Scaffold89	13562	TT	CC	1940433139
SNP_P1_169287_13609	NW_004515684.1	Scaffold89	13609	TT	GG	1940433140
SNP_P1_169288_22690	NW_004515684.1	Scaffold89	22690	TT	CC	1940433141
SNP_P1_169289_22908	NW_004515684.1	Scaffold89	22908	CC	TT	1940433142
SNP_P1_169290_22948	NW_004515684.1	Scaffold89	22948	CC	TT	1940433143
SNP_P1_169291_23117	NW_004515684.1	Scaffold89	23117	AA	GG	1940433144
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SNP_P1_169293_23850	NW_004515684.1	Scaffold89	23850	CC	TT	1940433146
SNP_P1_169295_23943	NW_004515684.1	Scaffold89	23943	TT	CC	1940433147
SNP_P1_169296_23957	NW_004515684.1	Scaffold89	23957	AA	GG	1940433148
SNP_P1_169297_24052	NW_004515684.1	Scaffold89	24052	GG	AA	1940433149
SNP_P1_169298_24148	NW_004515684.1	Scaffold89	24148	CC	TT	1940433150
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SNP_P1_169300_24271	NW_004515684.1	Scaffold89	24271	CC	TT	1940433152
SNP_P1_169303_54244	NW_004515684.1	Scaffold89	54244	AA	TT	1940433153
SNP_P1_169305_68217	NW_004515684.1	Scaffold89	68217	AA	GG	1940433154
SNP_P1_169306_69069	NW_004515684.1	Scaffold89	69069	AA	TT	1940433155
SNP_P1_169308_81118	NW_004515684.1	Scaffold89	81118	AA	TT	1940433156
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SNP_P1_169311_84536	NW_004515684.1	Scaffold89	84536	AA	CC	1940433159
SNP_P1_169313_95122	NW_004515684.1	Scaffold89	95122	AA	GG	1940433160
SNP_P1_169314_99454	NW_004515684.1	Scaffold89	99454	AA	CC	1940433161
SNP_P1_169316_118838	NW_004515684.1	Scaffold89	118838	TT	AA	1940433162
SNP_P1_169317_126125	NW_004515684.1	Scaffold89	126125	TT	CC	1940433163
SNP_P1_169318_136746	NW_004515684.1	Scaffold89	136746	TT	CC	1940433164
SNP_P1_169319_140148	NW_004515684.1	Scaffold89	140148	TT	CC	1940433165

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169321_143286	NW_004515684.1	Scaffold89	143286	TT	GG	1940433167
SNP_P1_169322_143290	NW_004515684.1	Scaffold89	143290	AA	CC	1940433168
SNP_P1_169323_143303	NW_004515684.1	Scaffold89	143303	TT	CC	1940433169
SNP_P1_169324_147022	NW_004515684.1	Scaffold89	147022	TT	AA	1940433170
SNP_P1_169325_155515	NW_004515684.1	Scaffold89	155515	CC	TT	1940433171
SNP_P1_169326_155516	NW_004515684.1	Scaffold89	155516	CC	TT	1940433172
SNP_P1_169327_169043	NW_004515684.1	Scaffold89	169043	AA	GG	1940433173
SNP_P1_169328_169061	NW_004515684.1	Scaffold89	169061	AA	GG	1940433174
SNP_P1_169329_169403	NW_004515684.1	Scaffold89	169403	CC	TT	1940433175
SNP_P1_169330_169822	NW_004515684.1	Scaffold89	169822	GG	AA	1940433176
SNP_P1_169331_175631	NW_004515684.1	Scaffold89	175631	CC	TT	1940433177
SNP_P1_169333_189611	NW_004515684.1	Scaffold89	189611	GG	AA	1940433178
SNP_P1_169334_196451	NW_004515684.1	Scaffold89	196451	AA	CC	1940433179
SNP_P1_169335_196460	NW_004515684.1	Scaffold89	196460	GG	AA	1940433180
SNP_P1_169336_196666	NW_004515684.1	Scaffold89	196666	CC	TT	1940433181
SNP_P1_169337_197717	NW_004515684.1	Scaffold89	197717	CC	AA	1940433182
SNP_P1_169338_198809	NW_004515684.1	Scaffold89	198809	GG	AA	1940433183
SNP_P1_169339_203904	NW_004515684.1	Scaffold89	203904	CC	TT	1940433184
SNP_P1_169340_211115	NW_004515684.1	Scaffold89	211115	TT	AA	1940433185
SNP_P1_169342_218358	NW_004515684.1	Scaffold89	218358	AA	GG	1940433186
SNP_P1_169343_219515	NW_004515684.1	Scaffold89	219515	TT	CC	1940433187
SNP_P1_169344_221051	NW_004515684.1	Scaffold89	221051	CC	TT	1940433188
SNP_P1_169345_221409	NW_004515684.1	Scaffold89	221409	AA	CC	1940433189
SNP_P1_169346_221422	NW_004515684.1	Scaffold89	221422	AA	GG	1940433190
SNP_P1_169347_221464	NW_004515684.1	Scaffold89	221464	AA	CC	1940433191
SNP_P1_169348_221465	NW_004515684.1	Scaffold89	221465	TT	AA	1940433192
SNP_P1_169349_221478	NW_004515684.1	Scaffold89	221478	AA	GG	1940433193
SNP_P1_169350_221483	NW_004515684.1	Scaffold89	221483	TT	CC	1940433194
SNP_P1_169351_221498	NW_004515684.1	Scaffold89	221498	TT	CC	1940433195
SNP_P1_169352_221574	NW_004515684.1	Scaffold89	221574	AA	GG	1940433196
SNP_P1_169353_221583	NW_004515684.1	Scaffold89	221583	TT	CC	1940433197
SNP_P1_169354_221799	NW_004515684.1	Scaffold89	221799	AA	GG	1940433198
SNP_P1_169355_221813	NW_004515684.1	Scaffold89	221813	CC	TT	1940433199
SNP_P1_169356_221854	NW_004515684.1	Scaffold89	221854	TT	CC	1940433200
SNP_P1_169357_221870	NW_004515684.1	Scaffold89	221870	AA	GG	1940433201
SNP_P1_169358_221904	NW_004515684.1	Scaffold89	221904	TT	CC	1940433202
SNP_P1_169359_221934	NW_004515684.1	Scaffold89	221934	TT	CC	1940433203
SNP_P1_169360_221974	NW_004515684.1	Scaffold89	221974	GG	AA	1940433204
SNP_P1_169361_221981	NW_004515684.1	Scaffold89	221981	TT	CC	1940433205
SNP_P1_169362_222013	NW_004515684.1	Scaffold89	222013	TT	CC	1940433206
SNP_P1_169363_222312	NW_004515684.1	Scaffold89	222312	CC	TT	1940433207

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169365_3381	NW_004515685.1	Scaffold92	3381	CC	TT	1940433209
SNP_P1_169366_3432	NW_004515685.1	Scaffold92	3432	TT	CC	1940433210
SNP_P1_169367_3507	NW_004515685.1	Scaffold92	3507	TT	CC	1940433211
SNP_P1_169368_3702	NW_004515685.1	Scaffold92	3702	CC	TT	1940433212
SNP_P1_169369_3720	NW_004515685.1	Scaffold92	3720	CC	TT	1940433213
SNP_P1_169370_4093	NW_004515685.1	Scaffold92	4093	TT	CC	1940433214
SNP_P1_169371_4125	NW_004515685.1	Scaffold92	4125	CC	TT	1940433215
SNP_P1_169372_4378	NW_004515685.1	Scaffold92	4378	AA	GG	1940433216
SNP_P1_169373_4423	NW_004515685.1	Scaffold92	4423	TT	CC	1940433217
SNP_P1_169374_4456	NW_004515685.1	Scaffold92	4456	TT	AA	1940433218
SNP_P1_169375_4495	NW_004515685.1	Scaffold92	4495	AA	GG	1940433219
SNP_P1_169376_13859	NW_004515685.1	Scaffold92	13859	AA	GG	1940433220
SNP_P1_169377_16507	NW_004515685.1	Scaffold92	16507	TT	GG	1940433221
SNP_P1_169379_17045	NW_004515685.1	Scaffold92	17045	TT	GG	1940433222
SNP_P1_169380_17063	NW_004515685.1	Scaffold92	17063	TT	CC	1940433223
SNP_P1_169381_17122	NW_004515685.1	Scaffold92	17122	TT	GG	1940433224
SNP_P1_169382_17398	NW_004515685.1	Scaffold92	17398	CC	TT	1940433225
SNP_P1_169383_18048	NW_004515685.1	Scaffold92	18048	AA	TT	1940433226
SNP_P1_169384_25817	NW_004515685.1	Scaffold92	25817	TT	AA	1940433227
SNP_P1_169385_26826	NW_004515685.1	Scaffold92	26826	AA	TT	1940433228
SNP_P1_169386_26828	NW_004515685.1	Scaffold92	26828	CC	AA	1940433229
SNP_P1_169387_28367	NW_004515685.1	Scaffold92	28367	AA	GG	1940433230
SNP_P1_169388_28719	NW_004515685.1	Scaffold92	28719	AA	GG	1940433231
SNP_P1_169389_28865	NW_004515685.1	Scaffold92	28865	GG	AA	1940433232
SNP_P1_169390_28892	NW_004515685.1	Scaffold92	28892	AA	CC	1940433233
SNP_P1_169391_28904	NW_004515685.1	Scaffold92	28904	AA	GG	1940433234
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SNP_P1_169395_29205	NW_004515685.1	Scaffold92	29205	CC	TT	1940433238
SNP_P1_169396_29219	NW_004515685.1	Scaffold92	29219	GG	AA	1940433239
SNP_P1_169397_29347	NW_004515685.1	Scaffold92	29347	TT	AA	1940433240
SNP_P1_169398_31097	NW_004515685.1	Scaffold92	31097	TT	AA	1940433241
SNP_P1_169399_31140	NW_004515685.1	Scaffold92	31140	AA	GG	1940433242
SNP_P1_169400_31342	NW_004515685.1	Scaffold92	31342	AA	TT	1940433243
SNP_P1_169401_31344	NW_004515685.1	Scaffold92	31344	AA	CC	1940433244
SNP_P1_169402_31741	NW_004515685.1	Scaffold92	31741	GG	TT	1940433245
SNP_P1_169403_31805	NW_004515685.1	Scaffold92	31805	AA	CC	1940433246
SNP_P1_169404_32663	NW_004515685.1	Scaffold92	32663	AA	TT	1940433247
SNP_P1_169406_32987	NW_004515685.1	Scaffold92	32987	AA	TT	1940433248
SNP_P1_169407_33016	NW_004515685.1	Scaffold92	33016	GG	AA	1940433249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169409_34002	NW_004515685.1	Scaffold92	34002	AA	TT	1940433251
SNP_P1_169410_34177	NW_004515685.1	Scaffold92	34177	TT	AA	1940433252
SNP_P1_169411_34203	NW_004515685.1	Scaffold92	34203	TT	AA	1940433253
SNP_P1_169412_34465	NW_004515685.1	Scaffold92	34465	AA	GG	1940433255
SNP_P1_169413_34514	NW_004515685.1	Scaffold92	34514	AA	CC	1940433256
SNP_P1_169414_34563	NW_004515685.1	Scaffold92	34563	GG	CC	1940433257
SNP_P1_169415_34779	NW_004515685.1	Scaffold92	34779	GG	CC	1940433258
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SNP_P1_169417_34916	NW_004515685.1	Scaffold92	34916	GG	AA	1940433260
SNP_P1_169418_34919	NW_004515685.1	Scaffold92	34919	TT	CC	1940433261
SNP_P1_169419_34942	NW_004515685.1	Scaffold92	34942	AA	GG	1940433262
SNP_P1_169420_34943	NW_004515685.1	Scaffold92	34943	TT	CC	1940433263
SNP_P1_169421_34946	NW_004515685.1	Scaffold92	34946	GG	AA	1940433264
SNP_P1_169422_34975	NW_004515685.1	Scaffold92	34975	AA	GG	1940433265
SNP_P1_169423_34979	NW_004515685.1	Scaffold92	34979	GG	CC	1940433266
SNP_P1_169424_35070	NW_004515685.1	Scaffold92	35070	TT	CC	1940433267
SNP_P1_169425_35106	NW_004515685.1	Scaffold92	35106	CC	TT	1940433268
SNP_P1_169426_35149	NW_004515685.1	Scaffold92	35149	AA	GG	1940433269
SNP_P1_169427_35151	NW_004515685.1	Scaffold92	35151	AA	GG	1940433270
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SNP_P1_169431_35451	NW_004515685.1	Scaffold92	35451	CC	TT	1940433274
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SNP_P1_169433_35616	NW_004515685.1	Scaffold92	35616	GG	TT	1940433276
SNP_P1_169434_35648	NW_004515685.1	Scaffold92	35648	AA	GG	1940433277
SNP_P1_169435_35649	NW_004515685.1	Scaffold92	35649	TT	CC	1940433278
SNP_P1_169436_35656	NW_004515685.1	Scaffold92	35656	TT	CC	1940433279
SNP_P1_169437_35685	NW_004515685.1	Scaffold92	35685	GG	AA	1940433280
SNP_P1_169438_37993	NW_004515685.1	Scaffold92	37993	CC	TT	1940433281
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SNP_P1_169440_40916	NW_004515685.1	Scaffold92	40916	AA	TT	1940433283
SNP_P1_169441_41709	NW_004515685.1	Scaffold92	41709	AA	TT	1940433284
SNP_P1_169442_41976	NW_004515685.1	Scaffold92	41976	CC	AA	1940433285
SNP_P1_169443_43452	NW_004515685.1	Scaffold92	43452	GG	AA	1940433286
SNP_P1_169444_44767	NW_004515685.1	Scaffold92	44767	TT	GG	1940433287
SNP_P1_169445_44775	NW_004515685.1	Scaffold92	44775	CC	TT	1940433288
SNP_P1_169446_45106	NW_004515685.1	Scaffold92	45106	TT	AA	1940433289
SNP_P1_169448_49894	NW_004515685.1	Scaffold92	49894	GG	AA	1940433290
SNP_P1_169449_49900	NW_004515685.1	Scaffold92	49900	CC	TT	1940433291
SNP_P1_169450_49906	NW_004515685.1	Scaffold92	49906	CC	AA	1940433292

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169678_499999	NW_004515686.1	Scaffold93	499999	GG	AA	1940433503

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_169679_503477	NW_004515686.1	Scaffold93	503477	GG	AA	1940433504
SNP_P1_169680_503489	NW_004515686.1	Scaffold93	503489	TT	GG	1940433505
SNP_P1_169681_503529	NW_004515686.1	Scaffold93	503529	AA	GG	1940433506
SNP_P1_169682_503537	NW_004515686.1	Scaffold93	503537	TT	CC	1940433507
SNP_P1_169683_503540	NW_004515686.1	Scaffold93	503540	AA	CC	1940433508
SNP_P1_169684_503547	NW_004515686.1	Scaffold93	503547	AA	GG	1940433509
SNP_P1_169685_503550	NW_004515686.1	Scaffold93	503550	GG	CC	1940433510
SNP_P1_169686_503556	NW_004515686.1	Scaffold93	503556	GG	TT	1940433511
SNP_P1_169687_503562	NW_004515686.1	Scaffold93	503562	AA	TT	1940433512
SNP_P1_169688_503566	NW_004515686.1	Scaffold93	503566	TT	GG	1940433513
SNP_P1_169690_505378	NW_004515686.1	Scaffold93	505378	TT	GG	1940433514
SNP_P1_169691_529696	NW_004515686.1	Scaffold93	529696	CC	TT	1940433515
SNP_P1_169692_538998	NW_004515686.1	Scaffold93	538998	AA	GG	1940433516
SNP_P1_169693_538999	NW_004515686.1	Scaffold93	538999	GG	AA	1940433517
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SNP_P1_169695_572803	NW_004515686.1	Scaffold93	572803	CC	AA	1940433519
SNP_P1_169696_572872	NW_004515686.1	Scaffold93	572872	AA	TT	1940433520
SNP_P1_169697_572953	NW_004515686.1	Scaffold93	572953	TT	AA	1940433522
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SNP_P1_169701_573113	NW_004515686.1	Scaffold93	573113	GG	AA	1940433526
SNP_P1_169702_573273	NW_004515686.1	Scaffold93	573273	CC	TT	1940433527
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SNP_P1_169704_573472	NW_004515686.1	Scaffold93	573472	GG	CC	1940433529
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SNP_P1_169706_574051	NW_004515686.1	Scaffold93	574051	TT	GG	1940433531
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SNP_P1_169717_624417	NW_004515686.1	Scaffold93	624417	CC	TT	1940433542
SNP_P1_169718_624509	NW_004515686.1	Scaffold93	624509	CC	TT	1940433543
SNP_P1_169719_624767	NW_004515686.1	Scaffold93	624767	TT	CC	1940433544
SNP_P1_169720_624786	NW_004515686.1	Scaffold93	624786	GG	TT	1940433545
SNP_P1_169721_624903	NW_004515686.1	Scaffold93	624903	TT	CC	1940433546

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169724_632358	NW_004515686.1	Scaffold93	632358	AA	TT	1940433549
SNP_P1_169725_632392	NW_004515686.1	Scaffold93	632392	GG	AA	1940433550
SNP_P1_169726_639221	NW_004515686.1	Scaffold93	639221	GG	AA	1940433551
SNP_P1_169727_640186	NW_004515686.1	Scaffold93	640186	GG	AA	1940433552
SNP_P1_169728_651794	NW_004515686.1	Scaffold93	651794	CC	TT	1940433553
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SNP_P1_169731_654042	NW_004515686.1	Scaffold93	654042	AA	GG	1940433556
SNP_P1_169732_654350	NW_004515686.1	Scaffold93	654350	GG	AA	1940433557
SNP_P1_169733_663130	NW_004515686.1	Scaffold93	663130	TT	CC	1940433558
SNP_P1_169734_663193	NW_004515686.1	Scaffold93	663193	CC	TT	1940433559
SNP_P1_169735_663197	NW_004515686.1	Scaffold93	663197	TT	AA	1940433560
SNP_P1_169736_1927	NW_004515687.1	Scaffold96	1927	CC	AA	1940433561
SNP_P1_169737_1984	NW_004515687.1	Scaffold96	1984	AA	GG	1940433562
SNP_P1_169738_2137	NW_004515687.1	Scaffold96	2137	AA	GG	1940433563
SNP_P1_169739_2160	NW_004515687.1	Scaffold96	2160	AA	CC	1940433564
SNP_P1_169740_2334	NW_004515687.1	Scaffold96	2334	TT	CC	1940433565
SNP_P1_169741_2541	NW_004515687.1	Scaffold96	2541	AA	GG	1940433566
SNP_P1_169742_3804	NW_004515687.1	Scaffold96	3804	GG	AA	1940433567
SNP_P1_169743_6155	NW_004515687.1	Scaffold96	6155	CC	TT	1940433568
SNP_P1_169744_16514	NW_004515687.1	Scaffold96	16514	TT	CC	1940433569
SNP_P1_169745_16684	NW_004515687.1	Scaffold96	16684	AA	GG	1940433570
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SNP_P1_169750_19689	NW_004515687.1	Scaffold96	19689	CC	TT	1940433575
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SNP_P1_169752_35301	NW_004515687.1	Scaffold96	35301	AA	TT	1940433577
SNP_P1_169753_62005	NW_004515687.1	Scaffold96	62005	AA	GG	1940433578
SNP_P1_169754_68418	NW_004515687.1	Scaffold96	68418	CC	TT	1940433579
SNP_P1_169755_72577	NW_004515687.1	Scaffold96	72577	CC	TT	1940433580
SNP_P1_169756_87961	NW_004515687.1	Scaffold96	87961	CC	TT	1940433581
SNP_P1_169757_95518	NW_004515687.1	Scaffold96	95518	CC	TT	1940433582
SNP_P1_169758_101155	NW_004515687.1	Scaffold96	101155	CC	TT	1940433583
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SNP_P1_169760_101197	NW_004515687.1	Scaffold96	101197	GG	TT	1940433585
SNP_P1_169761_101203	NW_004515687.1	Scaffold96	101203	AA	GG	1940433586
SNP_P1_169762_101207	NW_004515687.1	Scaffold96	101207	CC	TT	1940433587
SNP_P1_169763_101219	NW_004515687.1	Scaffold96	101219	GG	TT	1940433588

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169767_106867	NW_004515687.1	Scaffold96	106867	TT	CC	1940433591
SNP_P1_169768_106884	NW_004515687.1	Scaffold96	106884	GG	AA	1940433592
SNP_P1_169769_108707	NW_004515687.1	Scaffold96	108707	CC	GG	1940433593
SNP_P1_169770_108796	NW_004515687.1	Scaffold96	108796	AA	TT	1940433594
SNP_P1_169771_110279	NW_004515687.1	Scaffold96	110279	CC	TT	1940433595
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SNP_P1_169773_118468	NW_004515687.1	Scaffold96	118468	AA	TT	1940433597
SNP_P1_169774_127902	NW_004515687.1	Scaffold96	127902	GG	AA	1940433598
SNP_P1_169775_127912	NW_004515687.1	Scaffold96	127912	CC	TT	1940433599
SNP_P1_169776_127917	NW_004515687.1	Scaffold96	127917	CC	TT	1940433600
SNP_P1_169777_127932	NW_004515687.1	Scaffold96	127932	GG	AA	1940433601
SNP_P1_169778_127952	NW_004515687.1	Scaffold96	127952	TT	AA	1940433602
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SNP_P1_169781_128025	NW_004515687.1	Scaffold96	128025	CC	AA	1940433604
SNP_P1_169782_153234	NW_004515687.1	Scaffold96	153234	AA	GG	1940433605
SNP_P1_169783_158905	NW_004515687.1	Scaffold96	158905	TT	GG	1940433606
SNP_P1_169784_158906	NW_004515687.1	Scaffold96	158906	GG	AA	1940433607
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SNP_P1_169791_159889	NW_004515687.1	Scaffold96	159889	GG	TT	1940433614
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SNP_P1_169795_160069	NW_004515687.1	Scaffold96	160069	TT	GG	1940433618
SNP_P1_169796_160091	NW_004515687.1	Scaffold96	160091	TT	CC	1940433619
SNP_P1_169797_160118	NW_004515687.1	Scaffold96	160118	AA	TT	1940433620
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SNP_P1_169803_180961	NW_004515687.1	Scaffold96	180961	AA	CC	1940433626
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SNP_P1_169806_197941	NW_004515687.1	Scaffold96	197941	CC	TT	1940433628
SNP_P1_169807_199451	NW_004515687.1	Scaffold96	199451	AA	TT	1940433629
SNP_P1_169808_210550	NW_004515687.1	Scaffold96	210550	GG	AA	1940433630

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169811_260407	NW_004515687.1	Scaffold96	260407	AA	GG	1940433633
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SNP_P1_169813_296331	NW_004515687.1	Scaffold96	296331	GG	AA	1940433635
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SNP_P1_169816_316498	NW_004515687.1	Scaffold96	316498	TT	CC	1940433637
SNP_P1_169817_316524	NW_004515687.1	Scaffold96	316524	CC	TT	1940433638
SNP_P1_169818_316562	NW_004515687.1	Scaffold96	316562	CC	TT	1940433639
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SNP_P1_169821_324012	NW_004515687.1	Scaffold96	324012	AA	GG	1940433641
SNP_P1_169822_324020	NW_004515687.1	Scaffold96	324020	GG	AA	1940433642
SNP_P1_169823_326318	NW_004515687.1	Scaffold96	326318	TT	CC	1940433643
SNP_P1_169824_326338	NW_004515687.1	Scaffold96	326338	GG	AA	1940433644
SNP_P1_169825_335348	NW_004515687.1	Scaffold96	335348	AA	CC	1940433645
SNP_P1_169827_13937	NW_004515688.1	Scaffold98	13937	GG	AA	1940433646
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SNP_P1_169851_101750	NW_004515688.1	Scaffold98	101750	TT	AA	1940433671
SNP_P1_169852_101998	NW_004515688.1	Scaffold98	101998	TT	CC	1940433672
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169856_136337	NW_004515688.1	Scaffold98	136337	AA	TT	1940433676
SNP_P1_169857_136341	NW_004515688.1	Scaffold98	136341	TT	AA	1940433677
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SNP_P1_169867_164010	NW_004515688.1	Scaffold98	164010	GG	AA	1940433685
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SNP_P1_169898_362311	NW_004515688.1	Scaffold98	362311	AA	TT	1940433710
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SNP_P1_169900_376845	NW_004515688.1	Scaffold98	376845	CC	TT	1940433712
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SNP_P1_169903_416885	NW_004515688.1	Scaffold98	416885	CC	TT	1940433714
SNP_P1_169904_416927	NW_004515688.1	Scaffold98	416927	TT	CC	1940433715

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_169905_416953	NW_004515688.1	Scaffold98	416953	TT	CC	1940433716
SNP_P1_169906_417263	NW_004515688.1	Scaffold98	417263	AA	GG	1940433717
SNP_P1_169907_417281	NW_004515688.1	Scaffold98	417281	CC	TT	1940433718
SNP_P1_169908_417298	NW_004515688.1	Scaffold98	417298	CC	AA	1940433719
SNP_P1_169909_437937	NW_004515688.1	Scaffold98	437937	GG	AA	1940433720
SNP_P1_169910_443324	NW_004515688.1	Scaffold98	443324	AA	CC	1940433721
SNP_P1_169911_446684	NW_004515688.1	Scaffold98	446684	GG	AA	1940433722
SNP_P1_169912_456904	NW_004515688.1	Scaffold98	456904	CC	TT	1940433723
SNP_P1_169913_457567	NW_004515688.1	Scaffold98	457567	CC	TT	1940433724
SNP_P1_169914_467263	NW_004515688.1	Scaffold98	467263	CC	TT	1940433725
SNP_P1_169915_474668	NW_004515688.1	Scaffold98	474668	TT	CC	1940433726
SNP_P1_169917_475072	NW_004515688.1	Scaffold98	475072	AA	GG	1940433727
SNP_P1_169918_475086	NW_004515688.1	Scaffold98	475086	CC	AA	1940433728
SNP_P1_169919_475115	NW_004515688.1	Scaffold98	475115	GG	AA	1940433729
SNP_P1_169920_475157	NW_004515688.1	Scaffold98	475157	GG	AA	1940433730
SNP_P1_169921_475170	NW_004515688.1	Scaffold98	475170	TT	CC	1940433731
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SNP_P1_169925_524286	NW_004515688.1	Scaffold98	524286	GG	TT	1940433734
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SNP_P1_169927_524662	NW_004515688.1	Scaffold98	524662	AA	CC	1940433736
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SNP_P1_169929_587049	NW_004515688.1	Scaffold98	587049	TT	GG	1940433738
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SNP_P1_169932_598491	NW_004515688.1	Scaffold98	598491	TT	CC	1940433741
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SNP_P1_169942_641882	NW_004515688.1	Scaffold98	641882	AA	CC	1940433751
SNP_P1_169943_660189	NW_004515688.1	Scaffold98	660189	GG	AA	1940433752
SNP_P1_169944_668635	NW_004515688.1	Scaffold98	668635	AA	GG	1940433753
SNP_P1_169946_685410	NW_004515688.1	Scaffold98	685410	AA	GG	1940433754
SNP_P1_169947_685464	NW_004515688.1	Scaffold98	685464	AA	CC	1940433755
SNP_P1_169949_688787	NW_004515688.1	Scaffold98	688787	TT	AA	1940433756
SNP_P1_169950_892	NW_004515689.1	Scaffold99	892	CC	TT	1940433757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_169953_5707	NW_004515689.1	Scaffold99	5707	TT	CC	1940433760
SNP_P1_169954_5725	NW_004515689.1	Scaffold99	5725	TT	CC	1940433761
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SNP_P1_169957_5747	NW_004515689.1	Scaffold99	5747	CC	TT	1940433764
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SNP_P1_169960_11801	NW_004515689.1	Scaffold99	11801	GG	TT	1940433767
SNP_P1_169961_29038	NW_004515689.1	Scaffold99	29038	AA	GG	1940433768
SNP_P1_169962_44461	NW_004515689.1	Scaffold99	44461	CC	TT	1940433769
SNP_P1_169963_44476	NW_004515689.1	Scaffold99	44476	GG	AA	1940433770
SNP_P1_169964_58333	NW_004515689.1	Scaffold99	58333	GG	TT	1940433771
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SNP_P1_169968_69579	NW_004515689.1	Scaffold99	69579	GG	AA	1940433774
SNP_P1_169969_69590	NW_004515689.1	Scaffold99	69590	GG	AA	1940433775
SNP_P1_169970_69634	NW_004515689.1	Scaffold99	69634	AA	CC	1940433776
SNP_P1_169971_71259	NW_004515689.1	Scaffold99	71259	TT	GG	1940433777
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SNP_P1_169974_78756	NW_004515689.1	Scaffold99	78756	AA	TT	1940433779
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SNP_P1_169976_80240	NW_004515689.1	Scaffold99	80240	AA	CC	1940433781
SNP_P1_169977_81566	NW_004515689.1	Scaffold99	81566	GG	TT	1940433782
SNP_P1_169979_81669	NW_004515689.1	Scaffold99	81669	TT	AA	1940433783
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SNP_P1_169981_82016	NW_004515689.1	Scaffold99	82016	AA	GG	1940433785
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SNP_P1_169985_114545	NW_004515689.1	Scaffold99	114545	CC	TT	1940433789
SNP_P1_169986_123423	NW_004515689.1	Scaffold99	123423	AA	GG	1940433790
SNP_P1_169987_123449	NW_004515689.1	Scaffold99	123449	AA	GG	1940433791
SNP_P1_169988_123788	NW_004515689.1	Scaffold99	123788	TT	CC	1940433792
SNP_P1_169989_124791	NW_004515689.1	Scaffold99	124791	AA	TT	1940433793
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SNP_P1_169994_132812	NW_004515689.1	Scaffold99	132812	AA	CC	1940433797
SNP_P1_169995_132815	NW_004515689.1	Scaffold99	132815	GG	TT	1940433798
SNP_P1_169996_132839	NW_004515689.1	Scaffold99	132839	TT	CC	1940433799

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170000_176534	NW_004515689.1	Scaffold99	176534	GG	AA	1940433803
SNP_P1_170001_189879	NW_004515689.1	Scaffold99	189879	TT	AA	1940433805
SNP_P1_170002_195838	NW_004515689.1	Scaffold99	195838	CC	TT	1940433806
SNP_P1_170003_199231	NW_004515689.1	Scaffold99	199231	GG	CC	1940433807
SNP_P1_170004_199381	NW_004515689.1	Scaffold99	199381	GG	AA	1940433808
SNP_P1_170005_201872	NW_004515689.1	Scaffold99	201872	AA	GG	1940433809
SNP_P1_170006_210420	NW_004515689.1	Scaffold99	210420	AA	CC	1940433810
SNP_P1_170007_210529	NW_004515689.1	Scaffold99	210529	AA	GG	1940433811
SNP_P1_170008_210575	NW_004515689.1	Scaffold99	210575	AA	GG	1940433812
SNP_P1_170009_210857	NW_004515689.1	Scaffold99	210857	CC	TT	1940433813
SNP_P1_170010_210869	NW_004515689.1	Scaffold99	210869	CC	TT	1940433814
SNP_P1_170011_210874	NW_004515689.1	Scaffold99	210874	CC	GG	1940433815
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SNP_P1_170013_215175	NW_004515689.1	Scaffold99	215175	AA	GG	1940433817
SNP_P1_170014_215181	NW_004515689.1	Scaffold99	215181	TT	CC	1940433818
SNP_P1_170015_215521	NW_004515689.1	Scaffold99	215521	TT	AA	1940433819
SNP_P1_170016_215569	NW_004515689.1	Scaffold99	215569	GG	AA	1940433820
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SNP_P1_170022_236912	NW_004515689.1	Scaffold99	236912	TT	AA	1940433824
SNP_P1_170023_236958	NW_004515689.1	Scaffold99	236958	TT	CC	1940433825
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SNP_P1_170025_240861	NW_004515689.1	Scaffold99	240861	CC	TT	1940433827
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SNP_P1_170028_241271	NW_004515689.1	Scaffold99	241271	TT	CC	1940433830
SNP_P1_170029_241327	NW_004515689.1	Scaffold99	241327	TT	CC	1940433831
SNP_P1_170030_242317	NW_004515689.1	Scaffold99	242317	AA	GG	1940433832
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SNP_P1_170033_9156	NW_004515690.1	Scaffold100	9156	TT	CC	1940433835
SNP_P1_170034_9160	NW_004515690.1	Scaffold100	9160	CC	GG	1940433836
SNP_P1_170035_9180	NW_004515690.1	Scaffold100	9180	GG	TT	1940433837
SNP_P1_170036_9189	NW_004515690.1	Scaffold100	9189	CC	TT	1940433838
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SNP_P1_170038_9413	NW_004515690.1	Scaffold100	9413	AA	GG	1940433840
SNP_P1_170039_9513	NW_004515690.1	Scaffold100	9513	CC	TT	1940433841
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170043_14637	NW_004515690.1	Scaffold100	14637	TT	AA	1940433845
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SNP_P1_170045_18770	NW_004515690.1	Scaffold100	18770	TT	AA	1940433847
SNP_P1_170046_18777	NW_004515690.1	Scaffold100	18777	CC	TT	1940433848
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SNP_P1_170051_18804	NW_004515690.1	Scaffold100	18804	GG	CC	1940433853
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SNP_P1_170053_18846	NW_004515690.1	Scaffold100	18846	AA	GG	1940433855
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170111_297	NW_004515692.1	Scaffold103	297	TT	GG	1940433911
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SNP_P1_170114_8267	NW_004515694.1	Scaffold109_1	8267	AA	CC	1940433914
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SNP_P1_170116_8281	NW_004515694.1	Scaffold109_1	8281	GG	AA	1940433916
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SNP_P1_170118_8339	NW_004515694.1	Scaffold109_1	8339	AA	GG	1940433918
SNP_P1_170119_8371	NW_004515694.1	Scaffold109_1	8371	GG	AA	1940433919
SNP_P1_170120_12627	NW_004515694.1	Scaffold109_1	12627	TT	GG	1940433920
SNP_P1_170121_23559	NW_004515694.1	Scaffold109_1	23559	GG	AA	1940433921
SNP_P1_170122_23611	NW_004515694.1	Scaffold109_1	23611	AA	CC	1940433922
SNP_P1_170123_23931	NW_004515694.1	Scaffold109_1	23931	TT	GG	1940433923
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SNP_P1_170127_60512	NW_004515694.1	Scaffold109_1	60512	CC	TT	1940433925
SNP_P1_170128_60582	NW_004515694.1	Scaffold109_1	60582	CC	AA	1940433926

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170130_60669	NW_004515694.1	Scaffold109_1	60669	AA	GG	1940433928
SNP_P1_170131_60778	NW_004515694.1	Scaffold109_1	60778	TT	GG	1940433929
SNP_P1_170132_60798	NW_004515694.1	Scaffold109_1	60798	AA	CC	1940433930
SNP_P1_170133_60837	NW_004515694.1	Scaffold109_1	60837	AA	CC	1940433931
SNP_P1_170134_60840	NW_004515694.1	Scaffold109_1	60840	TT	CC	1940433932
SNP_P1_170135_60850	NW_004515694.1	Scaffold109_1	60850	AA	TT	1940433933
SNP_P1_170136_60888	NW_004515694.1	Scaffold109_1	60888	TT	CC	1940433934
SNP_P1_170137_60922	NW_004515694.1	Scaffold109_1	60922	GG	AA	1940433935
SNP_P1_170138_60945	NW_004515694.1	Scaffold109_1	60945	TT	CC	1940433936
SNP_P1_170139_60946	NW_004515694.1	Scaffold109_1	60946	CC	TT	1940433937
SNP_P1_170140_60970	NW_004515694.1	Scaffold109_1	60970	TT	AA	1940433938
SNP_P1_170141_61024	NW_004515694.1	Scaffold109_1	61024	CC	TT	1940433939
SNP_P1_170142_61030	NW_004515694.1	Scaffold109_1	61030	GG	AA	1940433940
SNP_P1_170143_61033	NW_004515694.1	Scaffold109_1	61033	CC	TT	1940433941
SNP_P1_170144_61051	NW_004515694.1	Scaffold109_1	61051	AA	CC	1940433942
SNP_P1_170145_61054	NW_004515694.1	Scaffold109_1	61054	AA	TT	1940433943
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SNP_P1_170147_61114	NW_004515694.1	Scaffold109_1	61114	TT	CC	1940433945
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SNP_P1_170159_126574	NW_004515694.1	Scaffold109_1	126574	AA	TT	1940433958
SNP_P1_170161_153676	NW_004515694.1	Scaffold109_1	153676	AA	CC	1940433959
SNP_P1_170162_153753	NW_004515694.1	Scaffold109_1	153753	GG	CC	1940433960
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SNP_P1_170166_160036	NW_004515694.1	Scaffold109_1	160036	AA	TT	1940433964
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SNP_P1_170168_221279	NW_004515694.1	Scaffold109_1	221279	AA	GG	1940433966
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SNP_P1_170170_245826	NW_004515694.1	Scaffold109_1	245826	AA	CC	1940433968
SNP_P1_170171_246827	NW_004515694.1	Scaffold109_1	246827	CC	GG	1940433969

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170174_246924	NW_004515694.1	Scaffold109_1	246924	GG	AA	1940433972
SNP_P1_170175_246946	NW_004515694.1	Scaffold109_1	246946	TT	GG	1940433973
SNP_P1_170176_246970	NW_004515694.1	Scaffold109_1	246970	CC	TT	1940433974
SNP_P1_170177_247037	NW_004515694.1	Scaffold109_1	247037	AA	GG	1940433975
SNP_P1_170178_247085	NW_004515694.1	Scaffold109_1	247085	TT	CC	1940433976
SNP_P1_170179_247107	NW_004515694.1	Scaffold109_1	247107	AA	CC	1940433977
SNP_P1_170180_247276	NW_004515694.1	Scaffold109_1	247276	AA	CC	1940433978
SNP_P1_170181_247313	NW_004515694.1	Scaffold109_1	247313	TT	CC	1940433979
SNP_P1_170182_248646	NW_004515694.1	Scaffold109_1	248646	AA	GG	1940433980
SNP_P1_170183_270400	NW_004515694.1	Scaffold109_1	270400	CC	TT	1940433981
SNP_P1_170184_277475	NW_004515694.1	Scaffold109_1	277475	TT	GG	1940433982
SNP_P1_170185_281969	NW_004515694.1	Scaffold109_1	281969	CC	TT	1940433983
SNP_P1_170186_282662	NW_004515694.1	Scaffold109_1	282662	GG	AA	1940433984
SNP_P1_170187_310111	NW_004515694.1	Scaffold109_1	310111	CC	TT	1940433985
SNP_P1_170188_317666	NW_004515694.1	Scaffold109_1	317666	CC	AA	1940433986
SNP_P1_170190_340797	NW_004515694.1	Scaffold109_1	340797	GG	AA	1940433987
SNP_P1_170191_351688	NW_004515694.1	Scaffold109_1	351688	CC	AA	1940433988
SNP_P1_170192_351690	NW_004515694.1	Scaffold109_1	351690	TT	CC	1940433989
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SNP_P1_170201_410594	NW_004515694.1	Scaffold109_1	410594	TT	GG	1940433996
SNP_P1_170202_410603	NW_004515694.1	Scaffold109_1	410603	AA	TT	1940433997
SNP_P1_170203_421324	NW_004515694.1	Scaffold109_1	421324	CC	TT	1940433998
SNP_P1_170205_460624	NW_004515694.1	Scaffold109_1	460624	TT	CC	1940433999
SNP_P1_170207_480093	NW_004515694.1	Scaffold109_1	480093	AA	TT	1940434000
SNP_P1_170208_488771	NW_004515694.1	Scaffold109_1	488771	GG	AA	1940434001
SNP_P1_170209_491750	NW_004515694.1	Scaffold109_1	491750	CC	TT	1940434002
SNP_P1_170210_498070	NW_004515694.1	Scaffold109_1	498070	TT	GG	1940434003
SNP_P1_170211_504397	NW_004515694.1	Scaffold109_1	504397	TT	GG	1940434004
SNP_P1_170212_504436	NW_004515694.1	Scaffold109_1	504436	GG	AA	1940434005
SNP_P1_170213_504517	NW_004515694.1	Scaffold109_1	504517	TT	CC	1940434006
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SNP_P1_170215_504855	NW_004515694.1	Scaffold109_1	504855	AA	CC	1940434008
SNP_P1_170216_504878	NW_004515694.1	Scaffold109_1	504878	GG	TT	1940434009
SNP_P1_170217_504932	NW_004515694.1	Scaffold109_1	504932	AA	GG	1940434010
SNP_P1_170218_504936	NW_004515694.1	Scaffold109_1	504936	TT	CC	1940434011

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170220_539343	NW_004515694.1	Scaffold109_1	539343	TT	GG	1940434013
SNP_P1_170221_545813	NW_004515694.1	Scaffold109_1	545813	TT	AA	1940434014
SNP_P1_170222_545816	NW_004515694.1	Scaffold109_1	545816	AA	TT	1940434015
SNP_P1_170223_564236	NW_004515694.1	Scaffold109_1	564236	AA	CC	1940434016
SNP_P1_170224_569067	NW_004515694.1	Scaffold109_1	569067	TT	AA	1940434017
SNP_P1_170225_569418	NW_004515694.1	Scaffold109_1	569418	TT	CC	1940434018
SNP_P1_170226_569437	NW_004515694.1	Scaffold109_1	569437	CC	TT	1940434019
SNP_P1_170227_569445	NW_004515694.1	Scaffold109_1	569445	TT	CC	1940434020
SNP_P1_170228_569506	NW_004515694.1	Scaffold109_1	569506	AA	GG	1940434021
SNP_P1_170229_578739	NW_004515694.1	Scaffold109_1	578739	CC	TT	1940434022
SNP_P1_170230_618759	NW_004515694.1	Scaffold109_1	618759	TT	CC	1940434023
SNP_P1_170231_628044	NW_004515694.1	Scaffold109_1	628044	AA	GG	1940434024
SNP_P1_170232_645263	NW_004515694.1	Scaffold109_1	645263	CC	TT	1940434025
SNP_P1_170233_647666	NW_004515694.1	Scaffold109_1	647666	AA	GG	1940434026
SNP_P1_170234_670594	NW_004515694.1	Scaffold109_1	670594	AA	GG	1940434027
SNP_P1_170235_670597	NW_004515694.1	Scaffold109_1	670597	TT	AA	1940434028
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SNP_P1_170241_708602	NW_004515694.1	Scaffold109_1	708602	TT	CC	1940434034
SNP_P1_170243_724762	NW_004515694.1	Scaffold109_1	724762	CC	TT	1940434035
SNP_P1_170244_726299	NW_004515694.1	Scaffold109_1	726299	AA	GG	1940434036
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SNP_P1_170247_755807	NW_004515694.1	Scaffold109_1	755807	AA	GG	1940434039
SNP_P1_170248_759395	NW_004515694.1	Scaffold109_1	759395	CC	TT	1940434040
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SNP_P1_170252_826784	NW_004515694.1	Scaffold109_1	826784	TT	AA	1940434044
SNP_P1_170253_837111	NW_004515694.1	Scaffold109_1	837111	GG	AA	1940434045
SNP_P1_170255_909	NW_004515695.1	Scaffold110	909	AA	CC	1940434046
SNP_P1_170256_5177	NW_004515695.1	Scaffold110	5177	GG	TT	1940434047
SNP_P1_170257_5876	NW_004515695.1	Scaffold110	5876	CC	TT	1940434048
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SNP_P1_170261_49665	NW_004515696.1	Scaffold111	49665	TT	CC	1940434051
SNP_P1_170262_49675	NW_004515696.1	Scaffold111	49675	CC	TT	1940434052
SNP_P1_170263_67975	NW_004515696.1	Scaffold111	67975	GG	TT	1940434053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170266_72229	NW_004515696.1	Scaffold111	72229	AA	TT	1940434056
SNP_P1_170267_72237	NW_004515696.1	Scaffold111	72237	AA	GG	1940434057
SNP_P1_170268_72250	NW_004515696.1	Scaffold111	72250	TT	AA	1940434058
SNP_P1_170273_99919	NW_004515696.1	Scaffold111	99919	TT	CC	1940434059
SNP_P1_170274_99929	NW_004515696.1	Scaffold111	99929	AA	GG	1940434060
SNP_P1_170275_105653	NW_004515696.1	Scaffold111	105653	TT	CC	1940434061
SNP_P1_170276_124011	NW_004515696.1	Scaffold111	124011	CC	TT	1940434062
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SNP_P1_170279_4196	NW_004515697.1	Scaffold113	4196	AA	TT	1940434064
SNP_P1_170280_4505	NW_004515697.1	Scaffold113	4505	AA	CC	1940434065
SNP_P1_170281_4517	NW_004515697.1	Scaffold113	4517	AA	GG	1940434066
SNP_P1_170282_992	NW_004515699.1	Scaffold115	992	GG	CC	1940434067
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SNP_P1_170306_52360	NW_004515699.1	Scaffold115	52360	CC	TT	1940434090
SNP_P1_170307_52400	NW_004515699.1	Scaffold115	52400	CC	AA	1940434091
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SNP_P1_170309_52551	NW_004515699.1	Scaffold115	52551	GG	TT	1940434093
SNP_P1_170310_52678	NW_004515699.1	Scaffold115	52678	AA	TT	1940434094
SNP_P1_170311_52824	NW_004515699.1	Scaffold115	52824	AA	GG	1940434095

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170313_52896	NW_004515699.1	Scaffold115	52896	GG	AA	1940434097
SNP_P1_170314_52907	NW_004515699.1	Scaffold115	52907	TT	GG	1940434098
SNP_P1_170315_52939	NW_004515699.1	Scaffold115	52939	CC	TT	1940434099
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SNP_P1_170317_52993	NW_004515699.1	Scaffold115	52993	TT	AA	1940434101
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SNP_P1_170320_56838	NW_004515699.1	Scaffold115	56838	AA	CC	1940434105
SNP_P1_170321_57116	NW_004515699.1	Scaffold115	57116	CC	AA	1940434106
SNP_P1_170322_57118	NW_004515699.1	Scaffold115	57118	AA	CC	1940434107
SNP_P1_170323_57211	NW_004515699.1	Scaffold115	57211	CC	GG	1940434108
SNP_P1_170324_10966	NW_004515700.1	Scaffold118	10966	GG	TT	1940434109
SNP_P1_170325_25832	NW_004515700.1	Scaffold118	25832	AA	CC	1940434110
SNP_P1_170326_25836	NW_004515700.1	Scaffold118	25836	CC	TT	1940434111
SNP_P1_170327_26736	NW_004515700.1	Scaffold118	26736	AA	GG	1940434112
SNP_P1_170328_26891	NW_004515700.1	Scaffold118	26891	CC	AA	1940434113
SNP_P1_170329_27176	NW_004515700.1	Scaffold118	27176	GG	AA	1940434114
SNP_P1_170330_27200	NW_004515700.1	Scaffold118	27200	GG	AA	1940434115
SNP_P1_170331_27226	NW_004515700.1	Scaffold118	27226	AA	GG	1940434116
SNP_P1_170332_27241	NW_004515700.1	Scaffold118	27241	AA	GG	1940434117
SNP_P1_170333_30528	NW_004515700.1	Scaffold118	30528	TT	CC	1940434118
SNP_P1_170334_30534	NW_004515700.1	Scaffold118	30534	AA	GG	1940434119
SNP_P1_170335_30566	NW_004515700.1	Scaffold118	30566	TT	CC	1940434120
SNP_P1_170336_47730	NW_004515700.1	Scaffold118	47730	GG	AA	1940434121
SNP_P1_170337_50325	NW_004515700.1	Scaffold118	50325	AA	TT	1940434122
SNP_P1_170338_80106	NW_004515700.1	Scaffold118	80106	AA	CC	1940434123
SNP_P1_170339_80149	NW_004515700.1	Scaffold118	80149	CC	TT	1940434124
SNP_P1_170340_80425	NW_004515700.1	Scaffold118	80425	CC	TT	1940434125
SNP_P1_170341_80433	NW_004515700.1	Scaffold118	80433	TT	AA	1940434126
SNP_P1_170342_80434	NW_004515700.1	Scaffold118	80434	AA	TT	1940434127
SNP_P1_170343_80598	NW_004515700.1	Scaffold118	80598	GG	AA	1940434128
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SNP_P1_170348_113357	NW_004515700.1	Scaffold118	113357	CC	TT	1940434130
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SNP_P1_170350_113471	NW_004515700.1	Scaffold118	113471	TT	CC	1940434132
SNP_P1_170351_118255	NW_004515700.1	Scaffold118	118255	CC	AA	1940434133
SNP_P1_170352_118269	NW_004515700.1	Scaffold118	118269	GG	AA	1940434134
SNP_P1_170353_118502	NW_004515700.1	Scaffold118	118502	AA	GG	1940434135
SNP_P1_170354_118625	NW_004515700.1	Scaffold118	118625	TT	AA	1940434136
SNP_P1_170356_135499	NW_004515700.1	Scaffold118	135499	GG	AA	1940434137
SNP_P1_170357_145364	NW_004515700.1	Scaffold118	145364	CC	TT	1940434138

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170359_152765	NW_004515700.1	Scaffold118	152765	AA	TT	1940434140
SNP_P1_170360_152782	NW_004515700.1	Scaffold118	152782	GG	AA	1940434141
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SNP_P1_170362_166138	NW_004515700.1	Scaffold118	166138	CC	TT	1940434143
SNP_P1_170363_171253	NW_004515700.1	Scaffold118	171253	TT	AA	1940434144
SNP_P1_170364_171646	NW_004515700.1	Scaffold118	171646	GG	AA	1940434145
SNP_P1_170365_173131	NW_004515700.1	Scaffold118	173131	CC	TT	1940434146
SNP_P1_170367_178414	NW_004515700.1	Scaffold118	178414	AA	TT	1940434147
SNP_P1_170368_178466	NW_004515700.1	Scaffold118	178466	CC	TT	1940434148
SNP_P1_170369_178471	NW_004515700.1	Scaffold118	178471	AA	GG	1940434149
SNP_P1_170370_178477	NW_004515700.1	Scaffold118	178477	AA	GG	1940434150
SNP_P1_170371_178893	NW_004515700.1	Scaffold118	178893	AA	TT	1940434151
SNP_P1_170372_181886	NW_004515700.1	Scaffold118	181886	CC	TT	1940434152
SNP_P1_170373_188054	NW_004515700.1	Scaffold118	188054	GG	AA	1940434153
SNP_P1_170374_225930	NW_004515700.1	Scaffold118	225930	CC	GG	1940434154
SNP_P1_170375_227501	NW_004515700.1	Scaffold118	227501	AA	GG	1940434155
SNP_P1_170376_231715	NW_004515700.1	Scaffold118	231715	AA	GG	1940434156
SNP_P1_170378_258326	NW_004515700.1	Scaffold118	258326	AA	TT	1940434157
SNP_P1_170379_325122	NW_004515700.1	Scaffold118	325122	GG	AA	1940434158
SNP_P1_170380_362501	NW_004515700.1	Scaffold118	362501	CC	TT	1940434159
SNP_P1_170381_382382	NW_004515700.1	Scaffold118	382382	AA	GG	1940434160
SNP_P1_170382_406978	NW_004515700.1	Scaffold118	406978	TT	CC	1940434161
SNP_P1_170384_444973	NW_004515700.1	Scaffold118	444973	GG	AA	1940434162
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SNP_P1_170386_449685	NW_004515700.1	Scaffold118	449685	AA	GG	1940434164
SNP_P1_170387_463075	NW_004515700.1	Scaffold118	463075	GG	AA	1940434165
SNP_P1_170388_463287	NW_004515700.1	Scaffold118	463287	GG	AA	1940434166
SNP_P1_170389_463288	NW_004515700.1	Scaffold118	463288	AA	TT	1940434167
SNP_P1_170390_463296	NW_004515700.1	Scaffold118	463296	TT	GG	1940434168
SNP_P1_170391_463346	NW_004515700.1	Scaffold118	463346	TT	CC	1940434169
SNP_P1_170392_463349	NW_004515700.1	Scaffold118	463349	CC	TT	1940434170
SNP_P1_170393_463380	NW_004515700.1	Scaffold118	463380	CC	GG	1940434171
SNP_P1_170394_465492	NW_004515700.1	Scaffold118	465492	TT	CC	1940434172
SNP_P1_170395_465537	NW_004515700.1	Scaffold118	465537	CC	AA	1940434173
SNP_P1_170396_465787	NW_004515700.1	Scaffold118	465787	TT	GG	1940434174
SNP_P1_170397_465864	NW_004515700.1	Scaffold118	465864	CC	TT	1940434175
SNP_P1_170398_465896	NW_004515700.1	Scaffold118	465896	CC	GG	1940434176
SNP_P1_170399_466136	NW_004515700.1	Scaffold118	466136	TT	CC	1940434177
SNP_P1_170401_512252	NW_004515700.1	Scaffold118	512252	GG	AA	1940434178
SNP_P1_170402_516005	NW_004515700.1	Scaffold118	516005	CC	TT	1940434179
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170407_543524	NW_004515700.1	Scaffold118	543524	GG	AA	1940434182
SNP_P1_170408_544403	NW_004515700.1	Scaffold118	544403	AA	GG	1940434183
SNP_P1_170409_549161	NW_004515700.1	Scaffold118	549161	TT	CC	1940434184
SNP_P1_170410_554065	NW_004515700.1	Scaffold118	554065	GG	AA	1940434185
SNP_P1_170411_554073	NW_004515700.1	Scaffold118	554073	TT	CC	1940434186
SNP_P1_170412_554588	NW_004515700.1	Scaffold118	554588	CC	TT	1940434187
SNP_P1_170413_557857	NW_004515700.1	Scaffold118	557857	TT	GG	1940434188
SNP_P1_170414_558213	NW_004515700.1	Scaffold118	558213	AA	GG	1940434189
SNP_P1_170415_558919	NW_004515700.1	Scaffold118	558919	TT	CC	1940434190
SNP_P1_170416_560636	NW_004515700.1	Scaffold118	560636	TT	CC	1940434191
SNP_P1_170418_563028	NW_004515700.1	Scaffold118	563028	TT	CC	1940434192
SNP_P1_170419_592148	NW_004515700.1	Scaffold118	592148	TT	GG	1940434193
SNP_P1_170420_592210	NW_004515700.1	Scaffold118	592210	GG	AA	1940434194
SNP_P1_170422_592430	NW_004515700.1	Scaffold118	592430	TT	AA	1940434195
SNP_P1_170423_592467	NW_004515700.1	Scaffold118	592467	AA	CC	1940434196
SNP_P1_170424_592566	NW_004515700.1	Scaffold118	592566	CC	GG	1940434197
SNP_P1_170425_592573	NW_004515700.1	Scaffold118	592573	GG	AA	1940434198
SNP_P1_170426_593072	NW_004515700.1	Scaffold118	593072	GG	AA	1940434199
SNP_P1_170427_599158	NW_004515700.1	Scaffold118	599158	CC	TT	1940434200
SNP_P1_170428_634991	NW_004515700.1	Scaffold118	634991	GG	TT	1940434201
SNP_P1_170429_635015	NW_004515700.1	Scaffold118	635015	AA	CC	1940434202
SNP_P1_170430_635020	NW_004515700.1	Scaffold118	635020	CC	TT	1940434203
SNP_P1_170431_635054	NW_004515700.1	Scaffold118	635054	GG	AA	1940434204
SNP_P1_170432_640512	NW_004515700.1	Scaffold118	640512	CC	TT	1940434205
SNP_P1_170433_640598	NW_004515700.1	Scaffold118	640598	GG	AA	1940434206
SNP_P1_170434_640599	NW_004515700.1	Scaffold118	640599	CC	TT	1940434207
SNP_P1_170435_491	NW_004515701.1	Scaffold119	491	GG	AA	1940434208
SNP_P1_170436_533	NW_004515701.1	Scaffold119	533	CC	AA	1940434209
SNP_P1_170437_568	NW_004515701.1	Scaffold119	568	TT	CC	1940434210
SNP_P1_170438_12060	NW_004515701.1	Scaffold119	12060	AA	GG	1940434211
SNP_P1_170440_12279	NW_004515701.1	Scaffold119	12279	GG	AA	1940434212
SNP_P1_170441_12360	NW_004515701.1	Scaffold119	12360	CC	AA	1940434213
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SNP_P1_170443_15352	NW_004515701.1	Scaffold119	15352	GG	AA	1940434215
SNP_P1_170444_15647	NW_004515701.1	Scaffold119	15647	CC	AA	1940434216
SNP_P1_170445_15749	NW_004515701.1	Scaffold119	15749	CC	TT	1940434217
SNP_P1_170446_16238	NW_004515701.1	Scaffold119	16238	AA	CC	1940434218
SNP_P1_170448_16302	NW_004515701.1	Scaffold119	16302	AA	TT	1940434219
SNP_P1_170450_16359	NW_004515701.1	Scaffold119	16359	GG	AA	1940434220
SNP_P1_170451_16369	NW_004515701.1	Scaffold119	16369	AA	TT	1940434221
SNP_P1_170452_16399	NW_004515701.1	Scaffold119	16399	TT	CC	1940434222

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170455_16659	NW_004515701.1	Scaffold119	16659	CC	AA	1940434225
SNP_P1_170456_16902	NW_004515701.1	Scaffold119	16902	GG	AA	1940434226
SNP_P1_170457_17087	NW_004515701.1	Scaffold119	17087	TT	AA	1940434227
SNP_P1_170458_17237	NW_004515701.1	Scaffold119	17237	GG	AA	1940434228
SNP_P1_170459_17437	NW_004515701.1	Scaffold119	17437	GG	AA	1940434229
SNP_P1_170460_17487	NW_004515701.1	Scaffold119	17487	GG	AA	1940434230
SNP_P1_170461_17740	NW_004515701.1	Scaffold119	17740	AA	GG	1940434231
SNP_P1_170462_17977	NW_004515701.1	Scaffold119	17977	AA	TT	1940434232
SNP_P1_170464_18283	NW_004515701.1	Scaffold119	18283	TT	GG	1940434233
SNP_P1_170465_18354	NW_004515701.1	Scaffold119	18354	GG	CC	1940434234
SNP_P1_170466_21688	NW_004515701.1	Scaffold119	21688	TT	GG	1940434235
SNP_P1_170468_22388	NW_004515701.1	Scaffold119	22388	GG	TT	1940434236
SNP_P1_170469_26547	NW_004515701.1	Scaffold119	26547	GG	AA	1940434237
SNP_P1_170470_31160	NW_004515701.1	Scaffold119	31160	TT	GG	1940434238
SNP_P1_170472_48115	NW_004515701.1	Scaffold119	48115	TT	CC	1940434239
SNP_P1_170473_48164	NW_004515701.1	Scaffold119	48164	TT	CC	1940434240
SNP_P1_170474_48193	NW_004515701.1	Scaffold119	48193	TT	CC	1940434241
SNP_P1_170475_48211	NW_004515701.1	Scaffold119	48211	GG	AA	1940434242
SNP_P1_170476_48588	NW_004515701.1	Scaffold119	48588	TT	CC	1940434243
SNP_P1_170477_48596	NW_004515701.1	Scaffold119	48596	AA	GG	1940434244
SNP_P1_170478_52777	NW_004515701.1	Scaffold119	52777	TT	GG	1940434245
SNP_P1_170479_53165	NW_004515701.1	Scaffold119	53165	AA	TT	1940434246
SNP_P1_170480_55248	NW_004515701.1	Scaffold119	55248	CC	GG	1940434247
SNP_P1_170481_70033	NW_004515701.1	Scaffold119	70033	AA	CC	1940434248
SNP_P1_170482_70046	NW_004515701.1	Scaffold119	70046	GG	CC	1940434249
SNP_P1_170483_70308	NW_004515701.1	Scaffold119	70308	TT	CC	1940434250
SNP_P1_170484_70336	NW_004515701.1	Scaffold119	70336	CC	TT	1940434251
SNP_P1_170487_70851	NW_004515701.1	Scaffold119	70851	AA	TT	1940434252
SNP_P1_170489_71253	NW_004515701.1	Scaffold119	71253	GG	AA	1940434253
SNP_P1_170490_71263	NW_004515701.1	Scaffold119	71263	TT	AA	1940434254
SNP_P1_170491_72212	NW_004515701.1	Scaffold119	72212	CC	TT	1940434255
SNP_P1_170492_72221	NW_004515701.1	Scaffold119	72221	CC	TT	1940434256
SNP_P1_170494_76345	NW_004515701.1	Scaffold119	76345	GG	AA	1940434257
SNP_P1_170495_76638	NW_004515701.1	Scaffold119	76638	TT	GG	1940434259
SNP_P1_170496_76672	NW_004515701.1	Scaffold119	76672	CC	TT	1940434260
SNP_P1_170497_76736	NW_004515701.1	Scaffold119	76736	GG	CC	1940434261
SNP_P1_170498_5732	NW_004515702.1	Scaffold120	5732	TT	CC	1940434262
SNP_P1_170499_5767	NW_004515702.1	Scaffold120	5767	AA	GG	1940434263
SNP_P1_170500_12451	NW_004515702.1	Scaffold120	12451	AA	GG	1940434264
SNP_P1_170501_16170	NW_004515702.1	Scaffold120	16170	GG	AA	1940434265

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170503_17177	NW_004515702.1	Scaffold120	17177	TT	GG	1940434267
SNP_P1_170504_9104	NW_004515703.1	Scaffold123	9104	AA	TT	1940434268
SNP_P1_170505_18819	NW_004515703.1	Scaffold123	18819	GG	TT	1940434269
SNP_P1_170506_33511	NW_004515703.1	Scaffold123	33511	TT	AA	1940434270
SNP_P1_170507_33667	NW_004515703.1	Scaffold123	33667	CC	TT	1940434271
SNP_P1_170508_33683	NW_004515703.1	Scaffold123	33683	GG	AA	1940434272
SNP_P1_170509_33714	NW_004515703.1	Scaffold123	33714	TT	CC	1940434273
SNP_P1_170510_33723	NW_004515703.1	Scaffold123	33723	AA	GG	1940434274
SNP_P1_170512_35049	NW_004515703.1	Scaffold123	35049	AA	GG	1940434275
SNP_P1_170513_35392	NW_004515703.1	Scaffold123	35392	GG	AA	1940434276
SNP_P1_170514_37574	NW_004515703.1	Scaffold123	37574	GG	AA	1940434277
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SNP_P1_170516_37579	NW_004515703.1	Scaffold123	37579	CC	GG	1940434279
SNP_P1_170517_37824	NW_004515703.1	Scaffold123	37824	AA	GG	1940434280
SNP_P1_170518_53202	NW_004515703.1	Scaffold123	53202	GG	AA	1940434281
SNP_P1_170519_66627	NW_004515703.1	Scaffold123	66627	TT	CC	1940434282
SNP_P1_170520_66723	NW_004515703.1	Scaffold123	66723	TT	CC	1940434283
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SNP_P1_170522_66883	NW_004515703.1	Scaffold123	66883	TT	CC	1940434285
SNP_P1_170523_66956	NW_004515703.1	Scaffold123	66956	TT	CC	1940434286
SNP_P1_170524_67162	NW_004515703.1	Scaffold123	67162	AA	GG	1940434287
SNP_P1_170525_71483	NW_004515703.1	Scaffold123	71483	TT	AA	1940434288
SNP_P1_170527_79448	NW_004515703.1	Scaffold123	79448	CC	TT	1940434289
SNP_P1_170528_98713	NW_004515703.1	Scaffold123	98713	GG	CC	1940434290
SNP_P1_170529_98720	NW_004515703.1	Scaffold123	98720	TT	CC	1940434291
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SNP_P1_170531_98776	NW_004515703.1	Scaffold123	98776	CC	TT	1940434293
SNP_P1_170533_136422	NW_004515703.1	Scaffold123	136422	TT	AA	1940434294
SNP_P1_170534_136463	NW_004515703.1	Scaffold123	136463	AA	GG	1940434295
SNP_P1_170535_136477	NW_004515703.1	Scaffold123	136477	AA	GG	1940434296
SNP_P1_170536_136485	NW_004515703.1	Scaffold123	136485	AA	GG	1940434297
SNP_P1_170537_136825	NW_004515703.1	Scaffold123	136825	AA	GG	1940434298
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SNP_P1_170539_141701	NW_004515703.1	Scaffold123	141701	CC	TT	1940434300
SNP_P1_170540_141782	NW_004515703.1	Scaffold123	141782	TT	AA	1940434301
SNP_P1_170541_142288	NW_004515703.1	Scaffold123	142288	TT	GG	1940434302
SNP_P1_170542_142667	NW_004515703.1	Scaffold123	142667	AA	GG	1940434303
SNP_P1_170543_147462	NW_004515703.1	Scaffold123	147462	GG	AA	1940434304
SNP_P1_170544_147500	NW_004515703.1	Scaffold123	147500	AA	GG	1940434305
SNP_P1_170545_235209	NW_004515703.1	Scaffold123	235209	CC	TT	1940434306
SNP_P1_170546_240437	NW_004515703.1	Scaffold123	240437	GG	AA	1940434307

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170549_269894	NW_004515703.1	Scaffold123	269894	CC	TT	1940434309
SNP_P1_170550_270060	NW_004515703.1	Scaffold123	270060	CC	TT	1940434310
SNP_P1_170551_270130	NW_004515703.1	Scaffold123	270130	TT	CC	1940434311
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SNP_P1_170553_295408	NW_004515703.1	Scaffold123	295408	GG	AA	1940434313
SNP_P1_170554_300316	NW_004515703.1	Scaffold123	300316	CC	AA	1940434314
SNP_P1_170555_300339	NW_004515703.1	Scaffold123	300339	TT	CC	1940434315
SNP_P1_170556_301048	NW_004515703.1	Scaffold123	301048	TT	CC	1940434316
SNP_P1_170557_316061	NW_004515703.1	Scaffold123	316061	AA	TT	1940434317
SNP_P1_170558_344069	NW_004515703.1	Scaffold123	344069	TT	CC	1940434318
SNP_P1_170559_348660	NW_004515703.1	Scaffold123	348660	TT	CC	1940434319
SNP_P1_170561_1029	NW_004515705.1	Scaffold126	1029	AA	CC	1940434320
SNP_P1_170562_3372	NW_004515705.1	Scaffold126	3372	CC	TT	1940434321
SNP_P1_170563_6879	NW_004515705.1	Scaffold126	6879	GG	AA	1940434322
SNP_P1_170564_6889	NW_004515705.1	Scaffold126	6889	CC	AA	1940434323
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SNP_P1_170568_16257	NW_004515705.1	Scaffold126	16257	TT	GG	1940434327
SNP_P1_170569_16261	NW_004515705.1	Scaffold126	16261	TT	AA	1940434328
SNP_P1_170570_16269	NW_004515705.1	Scaffold126	16269	AA	CC	1940434329
SNP_P1_170571_16344	NW_004515705.1	Scaffold126	16344	GG	AA	1940434330
SNP_P1_170572_16349	NW_004515705.1	Scaffold126	16349	TT	CC	1940434331
SNP_P1_170573_16361	NW_004515705.1	Scaffold126	16361	TT	AA	1940434332
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SNP_P1_170575_16397	NW_004515705.1	Scaffold126	16397	TT	GG	1940434334
SNP_P1_170576_16404	NW_004515705.1	Scaffold126	16404	TT	CC	1940434335
SNP_P1_170577_16439	NW_004515705.1	Scaffold126	16439	GG	TT	1940434336
SNP_P1_170578_16489	NW_004515705.1	Scaffold126	16489	GG	AA	1940434337
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SNP_P1_170585_18838	NW_004515706.1	Scaffold127	18838	GG	TT	1940434344
SNP_P1_170586_18839	NW_004515706.1	Scaffold127	18839	TT	AA	1940434345
SNP_P1_170587_19927	NW_004515706.1	Scaffold127	19927	TT	AA	1940434346
SNP_P1_170588_20213	NW_004515706.1	Scaffold127	20213	GG	TT	1940434347
SNP_P1_170589_20240	NW_004515706.1	Scaffold127	20240	GG	AA	1940434348
SNP_P1_170590_20247	NW_004515706.1	Scaffold127	20247	TT	GG	1940434349

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170592_20274	NW_004515706.1	Scaffold127	20274	TT	AA	1940434351
SNP_P1_170593_20276	NW_004515706.1	Scaffold127	20276	TT	CC	1940434352
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SNP_P1_170595_20288	NW_004515706.1	Scaffold127	20288	TT	CC	1940434354
SNP_P1_170596_20289	NW_004515706.1	Scaffold127	20289	AA	CC	1940434355
SNP_P1_170597_20347	NW_004515706.1	Scaffold127	20347	AA	GG	1940434356
SNP_P1_170598_20389	NW_004515706.1	Scaffold127	20389	GG	TT	1940434357
SNP_P1_170599_20421	NW_004515706.1	Scaffold127	20421	AA	GG	1940434358
SNP_P1_170601_20555	NW_004515706.1	Scaffold127	20555	AA	GG	1940434359
SNP_P1_170602_32995	NW_004515706.1	Scaffold127	32995	TT	AA	1940434360
SNP_P1_170603_33399	NW_004515706.1	Scaffold127	33399	CC	TT	1940434361
SNP_P1_170604_33751	NW_004515706.1	Scaffold127	33751	TT	GG	1940434362
SNP_P1_170605_43792	NW_004515706.1	Scaffold127	43792	AA	CC	1940434363
SNP_P1_170606_46836	NW_004515706.1	Scaffold127	46836	AA	GG	1940434364
SNP_P1_170607_47111	NW_004515706.1	Scaffold127	47111	TT	AA	1940434365
SNP_P1_170608_47169	NW_004515706.1	Scaffold127	47169	CC	TT	1940434366
SNP_P1_170609_49350	NW_004515706.1	Scaffold127	49350	CC	TT	1940434367
SNP_P1_170610_53605	NW_004515706.1	Scaffold127	53605	TT	GG	1940434368
SNP_P1_170611_53607	NW_004515706.1	Scaffold127	53607	TT	AA	1940434369
SNP_P1_170612_53608	NW_004515706.1	Scaffold127	53608	GG	AA	1940434370
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SNP_P1_170615_53799	NW_004515706.1	Scaffold127	53799	CC	AA	1940434373
SNP_P1_170616_54035	NW_004515706.1	Scaffold127	54035	AA	CC	1940434374
SNP_P1_170617_54097	NW_004515706.1	Scaffold127	54097	AA	TT	1940434375
SNP_P1_170618_54438	NW_004515706.1	Scaffold127	54438	TT	GG	1940434376
SNP_P1_170619_54510	NW_004515706.1	Scaffold127	54510	GG	TT	1940434377
SNP_P1_170620_54740	NW_004515706.1	Scaffold127	54740	AA	GG	1940434378
SNP_P1_170621_55066	NW_004515706.1	Scaffold127	55066	TT	CC	1940434379
SNP_P1_170622_55117	NW_004515706.1	Scaffold127	55117	TT	CC	1940434380
SNP_P1_170624_68927	NW_004515706.1	Scaffold127	68927	AA	TT	1940434381
SNP_P1_170625_69573	NW_004515706.1	Scaffold127	69573	CC	TT	1940434382
SNP_P1_170626_70404	NW_004515706.1	Scaffold127	70404	GG	TT	1940434383
SNP_P1_170627_74795	NW_004515706.1	Scaffold127	74795	CC	TT	1940434384
SNP_P1_170628_77843	NW_004515706.1	Scaffold127	77843	GG	TT	1940434385
SNP_P1_170629_81008	NW_004515706.1	Scaffold127	81008	CC	TT	1940434386
SNP_P1_170630_92091	NW_004515706.1	Scaffold127	92091	AA	GG	1940434387
SNP_P1_170631_92095	NW_004515706.1	Scaffold127	92095	TT	CC	1940434388
SNP_P1_170632_114329	NW_004515706.1	Scaffold127	114329	CC	TT	1940434389
SNP_P1_170633_125169	NW_004515706.1	Scaffold127	125169	AA	GG	1940434390
SNP_P1_170634_128524	NW_004515706.1	Scaffold127	128524	GG	AA	1940434391

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170636_135547	NW_004515706.1	Scaffold127	135547	TT	GG	1940434393
SNP_P1_170637_135809	NW_004515706.1	Scaffold127	135809	GG	AA	1940434394
SNP_P1_170638_135823	NW_004515706.1	Scaffold127	135823	TT	CC	1940434395
SNP_P1_170639_135892	NW_004515706.1	Scaffold127	135892	GG	AA	1940434396
SNP_P1_170640_135893	NW_004515706.1	Scaffold127	135893	CC	TT	1940434397
SNP_P1_170641_135994	NW_004515706.1	Scaffold127	135994	TT	CC	1940434398
SNP_P1_170642_136033	NW_004515706.1	Scaffold127	136033	GG	AA	1940434399
SNP_P1_170643_136446	NW_004515706.1	Scaffold127	136446	TT	CC	1940434400
SNP_P1_170644_136876	NW_004515706.1	Scaffold127	136876	AA	TT	1940434401
SNP_P1_170645_138920	NW_004515706.1	Scaffold127	138920	TT	CC	1940434402
SNP_P1_170646_144628	NW_004515706.1	Scaffold127	144628	CC	AA	1940434403
SNP_P1_170647_152055	NW_004515706.1	Scaffold127	152055	GG	AA	1940434404
SNP_P1_170649_152281	NW_004515706.1	Scaffold127	152281	TT	CC	1940434405
SNP_P1_170650_159787	NW_004515706.1	Scaffold127	159787	AA	GG	1940434406
SNP_P1_170651_165654	NW_004515706.1	Scaffold127	165654	GG	CC	1940434407
SNP_P1_170652_175965	NW_004515706.1	Scaffold127	175965	CC	TT	1940434408
SNP_P1_170653_180093	NW_004515706.1	Scaffold127	180093	CC	TT	1940434410
SNP_P1_170654_184777	NW_004515706.1	Scaffold127	184777	TT	CC	1940434411
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SNP_P1_170657_184885	NW_004515706.1	Scaffold127	184885	AA	CC	1940434414
SNP_P1_170658_184892	NW_004515706.1	Scaffold127	184892	CC	TT	1940434415
SNP_P1_170659_184910	NW_004515706.1	Scaffold127	184910	CC	TT	1940434416
SNP_P1_170660_184921	NW_004515706.1	Scaffold127	184921	CC	TT	1940434417
SNP_P1_170661_184953	NW_004515706.1	Scaffold127	184953	TT	AA	1940434418
SNP_P1_170662_184979	NW_004515706.1	Scaffold127	184979	AA	GG	1940434419
SNP_P1_170663_185067	NW_004515706.1	Scaffold127	185067	TT	CC	1940434420
SNP_P1_170664_185125	NW_004515706.1	Scaffold127	185125	TT	CC	1940434421
SNP_P1_170665_185201	NW_004515706.1	Scaffold127	185201	GG	AA	1940434422
SNP_P1_170666_185293	NW_004515706.1	Scaffold127	185293	GG	TT	1940434423
SNP_P1_170667_195362	NW_004515706.1	Scaffold127	195362	CC	AA	1940434424
SNP_P1_170668_198435	NW_004515706.1	Scaffold127	198435	TT	AA	1940434425
SNP_P1_170669_198437	NW_004515706.1	Scaffold127	198437	AA	GG	1940434426
SNP_P1_170670_198447	NW_004515706.1	Scaffold127	198447	TT	CC	1940434427
SNP_P1_170671_198457	NW_004515706.1	Scaffold127	198457	AA	GG	1940434428
SNP_P1_170672_198515	NW_004515706.1	Scaffold127	198515	CC	TT	1940434429
SNP_P1_170673_198516	NW_004515706.1	Scaffold127	198516	AA	GG	1940434430
SNP_P1_170674_198764	NW_004515706.1	Scaffold127	198764	GG	AA	1940434431
SNP_P1_170675_199697	NW_004515706.1	Scaffold127	199697	TT	CC	1940434432
SNP_P1_170676_200851	NW_004515706.1	Scaffold127	200851	TT	CC	1940434433
SNP_P1_170677_202097	NW_004515706.1	Scaffold127	202097	GG	AA	1940434434

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170680_209399	NW_004515706.1	Scaffold127	209399	TT	GG	1940434437
SNP_P1_170681_209436	NW_004515706.1	Scaffold127	209436	AA	GG	1940434438
SNP_P1_170682_212271	NW_004515706.1	Scaffold127	212271	CC	TT	1940434439
SNP_P1_170683_215662	NW_004515706.1	Scaffold127	215662	AA	GG	1940434440
SNP_P1_170684_215668	NW_004515706.1	Scaffold127	215668	GG	AA	1940434441
SNP_P1_170685_215689	NW_004515706.1	Scaffold127	215689	TT	AA	1940434442
SNP_P1_170686_215714	NW_004515706.1	Scaffold127	215714	TT	CC	1940434443
SNP_P1_170687_215733	NW_004515706.1	Scaffold127	215733	CC	AA	1940434444
SNP_P1_170688_216116	NW_004515706.1	Scaffold127	216116	GG	AA	1940434445
SNP_P1_170689_216367	NW_004515706.1	Scaffold127	216367	AA	TT	1940434446
SNP_P1_170690_216434	NW_004515706.1	Scaffold127	216434	GG	TT	1940434447
SNP_P1_170691_216827	NW_004515706.1	Scaffold127	216827	CC	TT	1940434448
SNP_P1_170692_222024	NW_004515706.1	Scaffold127	222024	CC	TT	1940434449
SNP_P1_170693_222349	NW_004515706.1	Scaffold127	222349	TT	GG	1940434450
SNP_P1_170694_225470	NW_004515706.1	Scaffold127	225470	TT	CC	1940434451
SNP_P1_170695_225482	NW_004515706.1	Scaffold127	225482	CC	AA	1940434452
SNP_P1_170696_228131	NW_004515706.1	Scaffold127	228131	AA	GG	1940434453
SNP_P1_170697_228133	NW_004515706.1	Scaffold127	228133	AA	TT	1940434454
SNP_P1_170698_228142	NW_004515706.1	Scaffold127	228142	AA	TT	1940434455
SNP_P1_170699_228179	NW_004515706.1	Scaffold127	228179	AA	GG	1940434456
SNP_P1_170700_229371	NW_004515706.1	Scaffold127	229371	AA	GG	1940434457
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SNP_P1_170703_229469	NW_004515706.1	Scaffold127	229469	GG	AA	1940434460
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SNP_P1_170707_229908	NW_004515706.1	Scaffold127	229908	AA	GG	1940434464
SNP_P1_170708_229943	NW_004515706.1	Scaffold127	229943	AA	GG	1940434465
SNP_P1_170709_231815	NW_004515706.1	Scaffold127	231815	AA	TT	1940434466
SNP_P1_170710_231872	NW_004515706.1	Scaffold127	231872	CC	AA	1940434467
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SNP_P1_170712_232103	NW_004515706.1	Scaffold127	232103	AA	CC	1940434469
SNP_P1_170713_232122	NW_004515706.1	Scaffold127	232122	TT	AA	1940434470
SNP_P1_170714_232149	NW_004515706.1	Scaffold127	232149	TT	CC	1940434471
SNP_P1_170715_234854	NW_004515706.1	Scaffold127	234854	GG	AA	1940434472
SNP_P1_170716_234884	NW_004515706.1	Scaffold127	234884	TT	GG	1940434473
SNP_P1_170718_239950	NW_004515706.1	Scaffold127	239950	CC	AA	1940434474
SNP_P1_170719_239972	NW_004515706.1	Scaffold127	239972	GG	AA	1940434475
SNP_P1_170721_240276	NW_004515706.1	Scaffold127	240276	TT	AA	1940434476

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170724_242739	NW_004515706.1	Scaffold127	242739	GG	CC	1940434479
SNP_P1_170725_242805	NW_004515706.1	Scaffold127	242805	GG	TT	1940434480
SNP_P1_170726_246923	NW_004515706.1	Scaffold127	246923	GG	AA	1940434481
SNP_P1_170727_251135	NW_004515706.1	Scaffold127	251135	TT	CC	1940434482
SNP_P1_170728_255784	NW_004515706.1	Scaffold127	255784	TT	CC	1940434483
SNP_P1_170729_255922	NW_004515706.1	Scaffold127	255922	CC	TT	1940434484
SNP_P1_170730_256023	NW_004515706.1	Scaffold127	256023	AA	GG	1940434485
SNP_P1_170731_256051	NW_004515706.1	Scaffold127	256051	AA	TT	1940434486
SNP_P1_170732_256064	NW_004515706.1	Scaffold127	256064	TT	CC	1940434487
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SNP_P1_170735_256147	NW_004515706.1	Scaffold127	256147	AA	GG	1940434489
SNP_P1_170736_256808	NW_004515706.1	Scaffold127	256808	AA	CC	1940434490
SNP_P1_170738_256867	NW_004515706.1	Scaffold127	256867	TT	CC	1940434491
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SNP_P1_170740_265792	NW_004515706.1	Scaffold127	265792	AA	TT	1940434493
SNP_P1_170741_265873	NW_004515706.1	Scaffold127	265873	CC	TT	1940434494
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SNP_P1_170755_271175	NW_004515706.1	Scaffold127	271175	AA	TT	1940434507
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SNP_P1_170760_275052	NW_004515706.1	Scaffold127	275052	TT	AA	1940434512
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SNP_P1_170766_304939	NW_004515706.1	Scaffold127	304939	AA	GG	1940434518
SNP_P1_170767_304960	NW_004515706.1	Scaffold127	304960	TT	GG	1940434519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170770_5728	NW_004515707.1	Scaffold128	5728	TT	GG	1940434522
SNP_P1_170771_5961	NW_004515707.1	Scaffold128	5961	AA	CC	1940434523
SNP_P1_170772_6065	NW_004515707.1	Scaffold128	6065	AA	GG	1940434524
SNP_P1_170774_12976	NW_004515707.1	Scaffold128	12976	GG	AA	1940434525
SNP_P1_170775_20596	NW_004515707.1	Scaffold128	20596	GG	TT	1940434526
SNP_P1_170776_31936	NW_004515707.1	Scaffold128	31936	TT	CC	1940434527
SNP_P1_170777_31950	NW_004515707.1	Scaffold128	31950	TT	CC	1940434528
SNP_P1_170778_32585	NW_004515707.1	Scaffold128	32585	AA	CC	1940434529
SNP_P1_170779_32595	NW_004515707.1	Scaffold128	32595	AA	GG	1940434530
SNP_P1_170780_32599	NW_004515707.1	Scaffold128	32599	CC	TT	1940434531
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SNP_P1_170782_32691	NW_004515707.1	Scaffold128	32691	GG	CC	1940434533
SNP_P1_170783_32711	NW_004515707.1	Scaffold128	32711	GG	AA	1940434534
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SNP_P1_170788_34291	NW_004515707.1	Scaffold128	34291	AA	GG	1940434539
SNP_P1_170789_34601	NW_004515707.1	Scaffold128	34601	CC	TT	1940434540
SNP_P1_170790_41213	NW_004515707.1	Scaffold128	41213	TT	GG	1940434541
SNP_P1_170792_48730	NW_004515707.1	Scaffold128	48730	CC	AA	1940434542
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SNP_P1_170794_51993	NW_004515707.1	Scaffold128	51993	GG	AA	1940434544
SNP_P1_170795_68809	NW_004515707.1	Scaffold128	68809	GG	AA	1940434545
SNP_P1_170796_68824	NW_004515707.1	Scaffold128	68824	AA	GG	1940434546
SNP_P1_170797_68855	NW_004515707.1	Scaffold128	68855	AA	TT	1940434547
SNP_P1_170798_68857	NW_004515707.1	Scaffold128	68857	AA	GG	1940434548
SNP_P1_170799_68858	NW_004515707.1	Scaffold128	68858	AA	GG	1940434549
SNP_P1_170801_141177	NW_004515707.1	Scaffold128	141177	AA	GG	1940434550
SNP_P1_170804_177018	NW_004515707.1	Scaffold128	177018	TT	CC	1940434551
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SNP_P1_170807_177502	NW_004515707.1	Scaffold128	177502	TT	CC	1940434554
SNP_P1_170808_177557	NW_004515707.1	Scaffold128	177557	TT	AA	1940434555
SNP_P1_170809_197768	NW_004515707.1	Scaffold128	197768	TT	GG	1940434556
SNP_P1_170810_197778	NW_004515707.1	Scaffold128	197778	TT	GG	1940434557
SNP_P1_170811_197781	NW_004515707.1	Scaffold128	197781	TT	CC	1940434558
SNP_P1_170812_197783	NW_004515707.1	Scaffold128	197783	GG	TT	1940434559
SNP_P1_170813_197803	NW_004515707.1	Scaffold128	197803	AA	GG	1940434560
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170816_198075	NW_004515707.1	Scaffold128	198075	CC	TT	1940434563
SNP_P1_170817_198116	NW_004515707.1	Scaffold128	198116	AA	GG	1940434564
SNP_P1_170818_210189	NW_004515707.1	Scaffold128	210189	TT	CC	1940434565
SNP_P1_170819_221598	NW_004515707.1	Scaffold128	221598	TT	CC	1940434566
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SNP_P1_170821_227809	NW_004515707.1	Scaffold128	227809	GG	AA	1940434568
SNP_P1_170822_227866	NW_004515707.1	Scaffold128	227866	GG	TT	1940434569
SNP_P1_170823_227875	NW_004515707.1	Scaffold128	227875	TT	CC	1940434570
SNP_P1_170824_231853	NW_004515707.1	Scaffold128	231853	CC	AA	1940434571
SNP_P1_170825_232051	NW_004515707.1	Scaffold128	232051	GG	AA	1940434572
SNP_P1_170827_240687	NW_004515707.1	Scaffold128	240687	TT	CC	1940434573
SNP_P1_170828_240949	NW_004515707.1	Scaffold128	240949	TT	CC	1940434574
SNP_P1_170829_240960	NW_004515707.1	Scaffold128	240960	TT	GG	1940434575
SNP_P1_170830_240966	NW_004515707.1	Scaffold128	240966	GG	CC	1940434576
SNP_P1_170831_240989	NW_004515707.1	Scaffold128	240989	TT	GG	1940434577
SNP_P1_170832_241002	NW_004515707.1	Scaffold128	241002	TT	CC	1940434578
SNP_P1_170834_263608	NW_004515707.1	Scaffold128	263608	AA	CC	1940434579
SNP_P1_170835_271909	NW_004515707.1	Scaffold128	271909	AA	GG	1940434580
SNP_P1_170836_271996	NW_004515707.1	Scaffold128	271996	TT	CC	1940434581
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SNP_P1_170838_285506	NW_004515707.1	Scaffold128	285506	GG	AA	1940434583
SNP_P1_170839_318902	NW_004515707.1	Scaffold128	318902	AA	TT	1940434584
SNP_P1_170840_326855	NW_004515707.1	Scaffold128	326855	TT	CC	1940434585
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SNP_P1_170842_344005	NW_004515707.1	Scaffold128	344005	CC	TT	1940434587
SNP_P1_170843_344419	NW_004515707.1	Scaffold128	344419	AA	GG	1940434588
SNP_P1_170844_345898	NW_004515707.1	Scaffold128	345898	AA	GG	1940434589
SNP_P1_170845_345913	NW_004515707.1	Scaffold128	345913	AA	CC	1940434590
SNP_P1_170846_346086	NW_004515707.1	Scaffold128	346086	AA	GG	1940434591
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SNP_P1_170848_346122	NW_004515707.1	Scaffold128	346122	TT	AA	1940434593
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SNP_P1_170850_346294	NW_004515707.1	Scaffold128	346294	CC	TT	1940434595
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SNP_P1_170853_346461	NW_004515707.1	Scaffold128	346461	CC	TT	1940434597
SNP_P1_170855_346552	NW_004515707.1	Scaffold128	346552	GG	AA	1940434598
SNP_P1_170857_393046	NW_004515707.1	Scaffold128	393046	GG	TT	1940434599
SNP_P1_170858_393099	NW_004515707.1	Scaffold128	393099	TT	CC	1940434600
SNP_P1_170859_393232	NW_004515707.1	Scaffold128	393232	CC	TT	1940434601
SNP_P1_170860_393384	NW_004515707.1	Scaffold128	393384	TT	CC	1940434602
SNP_P1_170861_393520	NW_004515707.1	Scaffold128	393520	AA	TT	1940434603

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170864_404025	NW_004515707.1	Scaffold128	404025	CC	TT	1940434606
SNP_P1_170865_407777	NW_004515707.1	Scaffold128	407777	TT	CC	1940434607
SNP_P1_170866_407873	NW_004515707.1	Scaffold128	407873	GG	AA	1940434608
SNP_P1_170867_414012	NW_004515707.1	Scaffold128	414012	TT	CC	1940434609
SNP_P1_170868_414032	NW_004515707.1	Scaffold128	414032	GG	AA	1940434610
SNP_P1_170869_414242	NW_004515707.1	Scaffold128	414242	TT	CC	1940434611
SNP_P1_170870_416825	NW_004515707.1	Scaffold128	416825	TT	CC	1940434612
SNP_P1_170871_416833	NW_004515707.1	Scaffold128	416833	TT	GG	1940434613
SNP_P1_170872_417222	NW_004515707.1	Scaffold128	417222	TT	CC	1940434614
SNP_P1_170873_422766	NW_004515707.1	Scaffold128	422766	AA	GG	1940434615
SNP_P1_170874_423274	NW_004515707.1	Scaffold128	423274	GG	AA	1940434616
SNP_P1_170876_427975	NW_004515707.1	Scaffold128	427975	TT	CC	1940434617
SNP_P1_170877_429459	NW_004515707.1	Scaffold128	429459	GG	TT	1940434618
SNP_P1_170878_429512	NW_004515707.1	Scaffold128	429512	GG	AA	1940434619
SNP_P1_170879_429937	NW_004515707.1	Scaffold128	429937	CC	TT	1940434620
SNP_P1_170880_429938	NW_004515707.1	Scaffold128	429938	GG	TT	1940434621
SNP_P1_170881_430434	NW_004515707.1	Scaffold128	430434	GG	AA	1940434622
SNP_P1_170882_433605	NW_004515707.1	Scaffold128	433605	AA	CC	1940434623
SNP_P1_170883_435907	NW_004515707.1	Scaffold128	435907	AA	TT	1940434624
SNP_P1_170885_437346	NW_004515707.1	Scaffold128	437346	AA	TT	1940434625
SNP_P1_170886_448594	NW_004515707.1	Scaffold128	448594	TT	AA	1940434626
SNP_P1_170887_450425	NW_004515707.1	Scaffold128	450425	CC	AA	1940434627
SNP_P1_170888_450710	NW_004515707.1	Scaffold128	450710	TT	GG	1940434628
SNP_P1_170889_450713	NW_004515707.1	Scaffold128	450713	CC	TT	1940434629
SNP_P1_170890_450785	NW_004515707.1	Scaffold128	450785	TT	AA	1940434630
SNP_P1_170891_450878	NW_004515707.1	Scaffold128	450878	AA	TT	1940434631
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SNP_P1_170893_452886	NW_004515707.1	Scaffold128	452886	AA	GG	1940434633
SNP_P1_170894_460829	NW_004515707.1	Scaffold128	460829	AA	TT	1940434634
SNP_P1_170895_475659	NW_004515707.1	Scaffold128	475659	GG	TT	1940434635
SNP_P1_170896_475930	NW_004515707.1	Scaffold128	475930	AA	CC	1940434636
SNP_P1_170897_491593	NW_004515707.1	Scaffold128	491593	AA	GG	1940434637
SNP_P1_170898_491599	NW_004515707.1	Scaffold128	491599	TT	CC	1940434638
SNP_P1_170899_531835	NW_004515707.1	Scaffold128	531835	TT	AA	1940434639
SNP_P1_170900_531862	NW_004515707.1	Scaffold128	531862	TT	CC	1940434640
SNP_P1_170901_531913	NW_004515707.1	Scaffold128	531913	AA	TT	1940434641
SNP_P1_170902_532045	NW_004515707.1	Scaffold128	532045	TT	CC	1940434642
SNP_P1_170903_532049	NW_004515707.1	Scaffold128	532049	TT	CC	1940434643
SNP_P1_170904_532112	NW_004515707.1	Scaffold128	532112	GG	AA	1940434644
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170908_533589	NW_004515707.1	Scaffold128	533589	GG	TT	1940434648
SNP_P1_170909_537689	NW_004515707.1	Scaffold128	537689	TT	GG	1940434649
SNP_P1_170910_537736	NW_004515707.1	Scaffold128	537736	GG	AA	1940434650
SNP_P1_170911_537743	NW_004515707.1	Scaffold128	537743	TT	CC	1940434651
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SNP_P1_170913_538183	NW_004515707.1	Scaffold128	538183	GG	AA	1940434653
SNP_P1_170914_540084	NW_004515707.1	Scaffold128	540084	CC	AA	1940434654
SNP_P1_170915_540359	NW_004515707.1	Scaffold128	540359	CC	TT	1940434655
SNP_P1_170916_540495	NW_004515707.1	Scaffold128	540495	TT	CC	1940434656
SNP_P1_170917_540569	NW_004515707.1	Scaffold128	540569	AA	GG	1940434657
SNP_P1_170918_540570	NW_004515707.1	Scaffold128	540570	CC	TT	1940434658
SNP_P1_170920_578374	NW_004515707.1	Scaffold128	578374	AA	TT	1940434659
SNP_P1_170921_578522	NW_004515707.1	Scaffold128	578522	CC	TT	1940434660
SNP_P1_170922_578559	NW_004515707.1	Scaffold128	578559	TT	CC	1940434661
SNP_P1_170923_578870	NW_004515707.1	Scaffold128	578870	AA	GG	1940434662
SNP_P1_170924_578923	NW_004515707.1	Scaffold128	578923	TT	CC	1940434663
SNP_P1_170925_580730	NW_004515707.1	Scaffold128	580730	GG	AA	1940434664
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SNP_P1_170927_580737	NW_004515707.1	Scaffold128	580737	GG	TT	1940434667
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SNP_P1_170937_588109	NW_004515707.1	Scaffold128	588109	CC	TT	1940434676
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SNP_P1_170939_588111	NW_004515707.1	Scaffold128	588111	CC	AA	1940434678
SNP_P1_170940_605772	NW_004515707.1	Scaffold128	605772	AA	CC	1940434679
SNP_P1_170941_608030	NW_004515707.1	Scaffold128	608030	AA	GG	1940434680
SNP_P1_170942_608034	NW_004515707.1	Scaffold128	608034	TT	CC	1940434681
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SNP_P1_170944_667456	NW_004515707.1	Scaffold128	667456	CC	AA	1940434683
SNP_P1_170945_673625	NW_004515707.1	Scaffold128	673625	TT	CC	1940434684
SNP_P1_170946_678339	NW_004515707.1	Scaffold128	678339	AA	CC	1940434685
SNP_P1_170947_680365	NW_004515707.1	Scaffold128	680365	TT	CC	1940434686
SNP_P1_170948_680420	NW_004515707.1	Scaffold128	680420	TT	GG	1940434687
SNP_P1_170949_680687	NW_004515707.1	Scaffold128	680687	AA	GG	1940434688

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170952_691392	NW_004515707.1	Scaffold128	691392	TT	GG	1940434691
SNP_P1_170953_700939	NW_004515707.1	Scaffold128	700939	AA	GG	1940434692
SNP_P1_170954_700954	NW_004515707.1	Scaffold128	700954	AA	GG	1940434693
SNP_P1_170955_700959	NW_004515707.1	Scaffold128	700959	TT	GG	1940434694
SNP_P1_170956_701124	NW_004515707.1	Scaffold128	701124	CC	TT	1940434695
SNP_P1_170957_701432	NW_004515707.1	Scaffold128	701432	TT	CC	1940434696
SNP_P1_170958_701474	NW_004515707.1	Scaffold128	701474	TT	AA	1940434697
SNP_P1_170960_701528	NW_004515707.1	Scaffold128	701528	GG	AA	1940434698
SNP_P1_170961_701538	NW_004515707.1	Scaffold128	701538	TT	GG	1940434699
SNP_P1_170962_704285	NW_004515707.1	Scaffold128	704285	CC	AA	1940434700
SNP_P1_170963_711372	NW_004515707.1	Scaffold128	711372	AA	TT	1940434701
SNP_P1_170964_711377	NW_004515707.1	Scaffold128	711377	CC	GG	1940434702
SNP_P1_170965_711382	NW_004515707.1	Scaffold128	711382	TT	CC	1940434703
SNP_P1_170966_711394	NW_004515707.1	Scaffold128	711394	TT	CC	1940434704
SNP_P1_170967_711773	NW_004515707.1	Scaffold128	711773	CC	TT	1940434705
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SNP_P1_170969_719345	NW_004515707.1	Scaffold128	719345	TT	AA	1940434707
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SNP_P1_170977_721443	NW_004515707.1	Scaffold128	721443	GG	TT	1940434715
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SNP_P1_170980_732465	NW_004515707.1	Scaffold128	732465	TT	CC	1940434718
SNP_P1_170981_732515	NW_004515707.1	Scaffold128	732515	AA	TT	1940434719
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SNP_P1_170990_732958	NW_004515707.1	Scaffold128	732958	TT	AA	1940434727
SNP_P1_170991_733020	NW_004515707.1	Scaffold128	733020	AA	GG	1940434728
SNP_P1_170992_733024	NW_004515707.1	Scaffold128	733024	GG	AA	1940434729
SNP_P1_170993_733033	NW_004515707.1	Scaffold128	733033	AA	TT	1940434730

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_170996_746221	NW_004515707.1	Scaffold128	746221	GG	TT	1940434733
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SNP_P1_171006_748659	NW_004515707.1	Scaffold128	748659	GG	TT	1940434741
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SNP_P1_171008_762351	NW_004515707.1	Scaffold128	762351	GG	CC	1940434743
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171041_12915	NW_004515708.1	Scaffold131	12915	CC	GG	1940434775
SNP_P1_171042_13021	NW_004515708.1	Scaffold131	13021	TT	GG	1940434776
SNP_P1_171043_13026	NW_004515708.1	Scaffold131	13026	AA	GG	1940434777
SNP_P1_171044_13038	NW_004515708.1	Scaffold131	13038	TT	CC	1940434778
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SNP_P1_171047_13291	NW_004515708.1	Scaffold131	13291	TT	CC	1940434781
SNP_P1_171048_13373	NW_004515708.1	Scaffold131	13373	AA	TT	1940434782
SNP_P1_171049_24430	NW_004515708.1	Scaffold131	24430	GG	AA	1940434783
SNP_P1_171050_26314	NW_004515708.1	Scaffold131	26314	GG	CC	1940434784
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SNP_P1_171053_28753	NW_004515708.1	Scaffold131	28753	TT	CC	1940434787
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SNP_P1_171055_28784	NW_004515708.1	Scaffold131	28784	TT	CC	1940434789
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SNP_P1_171061_15514	NW_004515709.1	Scaffold132	15514	AA	GG	1940434795
SNP_P1_171062_15656	NW_004515709.1	Scaffold132	15656	TT	AA	1940434796
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SNP_P1_171064_15710	NW_004515709.1	Scaffold132	15710	AA	TT	1940434798
SNP_P1_171065_20113	NW_004515709.1	Scaffold132	20113	TT	CC	1940434799
SNP_P1_171066_22325	NW_004515709.1	Scaffold132	22325	CC	TT	1940434800
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SNP_P1_171069_24443	NW_004515709.1	Scaffold132	24443	GG	AA	1940434803
SNP_P1_171070_31656	NW_004515709.1	Scaffold132	31656	CC	TT	1940434804
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SNP_P1_171075_41293	NW_004515709.1	Scaffold132	41293	GG	AA	1940434809
SNP_P1_171076_41382	NW_004515709.1	Scaffold132	41382	GG	AA	1940434810
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SNP_P1_171078_41407	NW_004515709.1	Scaffold132	41407	GG	AA	1940434813
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171083_41732	NW_004515709.1	Scaffold132	41732	GG	AA	1940434818
SNP_P1_171084_41755	NW_004515709.1	Scaffold132	41755	AA	GG	1940434819
SNP_P1_171086_47419	NW_004515709.1	Scaffold132	47419	GG	TT	1940434820
SNP_P1_171087_53968	NW_004515709.1	Scaffold132	53968	AA	GG	1940434821
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SNP_P1_171089_54019	NW_004515709.1	Scaffold132	54019	TT	AA	1940434823
SNP_P1_171090_54050	NW_004515709.1	Scaffold132	54050	GG	CC	1940434824
SNP_P1_171091_54075	NW_004515709.1	Scaffold132	54075	GG	AA	1940434825
SNP_P1_171092_54384	NW_004515709.1	Scaffold132	54384	CC	TT	1940434826
SNP_P1_171093_54487	NW_004515709.1	Scaffold132	54487	GG	AA	1940434827
SNP_P1_171094_54539	NW_004515709.1	Scaffold132	54539	CC	AA	1940434828
SNP_P1_171095_54573	NW_004515709.1	Scaffold132	54573	TT	CC	1940434829
SNP_P1_171096_59164	NW_004515709.1	Scaffold132	59164	CC	TT	1940434830
SNP_P1_171097_59167	NW_004515709.1	Scaffold132	59167	TT	CC	1940434831
SNP_P1_171098_60629	NW_004515709.1	Scaffold132	60629	CC	TT	1940434832
SNP_P1_171099_60722	NW_004515709.1	Scaffold132	60722	AA	GG	1940434833
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SNP_P1_171113_128602	NW_004515709.1	Scaffold132	128602	TT	CC	1940434847
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SNP_P1_171122_153196	NW_004515709.1	Scaffold132	153196	GG	TT	1940434856
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171126_153212	NW_004515709.1	Scaffold132	153212	GG	TT	1940434860
SNP_P1_171127_13425	NW_004515710.1	Scaffold133	13425	TT	AA	1940434861
SNP_P1_171128_13455	NW_004515710.1	Scaffold133	13455	CC	TT	1940434862
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SNP_P1_171132_22215	NW_004515711.1	Scaffold134	22215	AA	TT	1940434866
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SNP_P1_171169_266833	NW_004515711.1	Scaffold134	266833	GG	AA	1940434899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171214_399634	NW_004515711.1	Scaffold134	399634	CC	GG	1940434938
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SNP_P1_171217_451490	NW_004515711.1	Scaffold134	451490	TT	GG	1940434940
SNP_P1_171218_451491	NW_004515711.1	Scaffold134	451491	AA	TT	1940434941

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_171219_451804	NW_004515711.1	Scaffold134	451804	AA	TT	1940434942
SNP_P1_171220_454511	NW_004515711.1	Scaffold134	454511	TT	CC	1940434943
SNP_P1_171221_454638	NW_004515711.1	Scaffold134	454638	CC	TT	1940434944
SNP_P1_171222_462424	NW_004515711.1	Scaffold134	462424	GG	AA	1940434945
SNP_P1_171223_462513	NW_004515711.1	Scaffold134	462513	AA	GG	1940434946
SNP_P1_171224_463417	NW_004515711.1	Scaffold134	463417	GG	TT	1940434947
SNP_P1_171225_469109	NW_004515711.1	Scaffold134	469109	TT	CC	1940434948
SNP_P1_171226_469125	NW_004515711.1	Scaffold134	469125	AA	GG	1940434949
SNP_P1_171227_469150	NW_004515711.1	Scaffold134	469150	CC	TT	1940434950
SNP_P1_171228_472556	NW_004515711.1	Scaffold134	472556	AA	CC	1940434951
SNP_P1_171229_511892	NW_004515711.1	Scaffold134	511892	TT	AA	1940434952
SNP_P1_171230_542306	NW_004515711.1	Scaffold134	542306	AA	TT	1940434953
SNP_P1_171231_556511	NW_004515711.1	Scaffold134	556511	AA	CC	1940434954
SNP_P1_171232_556571	NW_004515711.1	Scaffold134	556571	TT	AA	1940434956
SNP_P1_171233_556583	NW_004515711.1	Scaffold134	556583	AA	GG	1940434957
SNP_P1_171234_556589	NW_004515711.1	Scaffold134	556589	CC	TT	1940434958
SNP_P1_171235_564026	NW_004515711.1	Scaffold134	564026	AA	TT	1940434959
SNP_P1_171236_564079	NW_004515711.1	Scaffold134	564079	CC	TT	1940434960
SNP_P1_171237_564146	NW_004515711.1	Scaffold134	564146	AA	GG	1940434961
SNP_P1_171238_260	NW_004515712.1	Scaffold135	260	TT	CC	1940434962
SNP_P1_171239_3707	NW_004515712.1	Scaffold135	3707	CC	AA	1940434963
SNP_P1_171241_10150	NW_004515712.1	Scaffold135	10150	GG	AA	1940434964
SNP_P1_171242_10411	NW_004515712.1	Scaffold135	10411	GG	TT	1940434965
SNP_P1_171243_12709	NW_004515712.1	Scaffold135	12709	AA	GG	1940434966
SNP_P1_171244_18301	NW_004515712.1	Scaffold135	18301	AA	CC	1940434967
SNP_P1_171245_53295	NW_004515712.1	Scaffold135	53295	GG	CC	1940434968
SNP_P1_171246_56314	NW_004515712.1	Scaffold135	56314	GG	AA	1940434969
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SNP_P1_171248_57028	NW_004515712.1	Scaffold135	57028	GG	AA	1940434971
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SNP_P1_171255_57414	NW_004515712.1	Scaffold135	57414	TT	AA	1940434978
SNP_P1_171256_57421	NW_004515712.1	Scaffold135	57421	AA	TT	1940434979
SNP_P1_171257_57550	NW_004515712.1	Scaffold135	57550	CC	TT	1940434980
SNP_P1_171258_57636	NW_004515712.1	Scaffold135	57636	TT	CC	1940434981
SNP_P1_171259_73331	NW_004515712.1	Scaffold135	73331	AA	GG	1940434982
SNP_P1_171260_73348	NW_004515712.1	Scaffold135	73348	AA	GG	1940434983
SNP_P1_171261_73775	NW_004515712.1	Scaffold135	73775	CC	GG	1940434984

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171263_95342	NW_004515712.1	Scaffold135	95342	TT	CC	1940434986
SNP_P1_171264_95415	NW_004515712.1	Scaffold135	95415	CC	TT	1940434987
SNP_P1_171265_95455	NW_004515712.1	Scaffold135	95455	TT	CC	1940434988
SNP_P1_171266_95633	NW_004515712.1	Scaffold135	95633	AA	TT	1940434989
SNP_P1_171267_95962	NW_004515712.1	Scaffold135	95962	CC	AA	1940434990
SNP_P1_171268_96408	NW_004515712.1	Scaffold135	96408	AA	TT	1940434991
SNP_P1_171269_96409	NW_004515712.1	Scaffold135	96409	AA	TT	1940434992
SNP_P1_171270_96427	NW_004515712.1	Scaffold135	96427	AA	GG	1940434993
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SNP_P1_171273_111248	NW_004515712.1	Scaffold135	111248	TT	CC	1940434996
SNP_P1_171274_111256	NW_004515712.1	Scaffold135	111256	AA	CC	1940434997
SNP_P1_171275_111275	NW_004515712.1	Scaffold135	111275	TT	CC	1940434998
SNP_P1_171276_111609	NW_004515712.1	Scaffold135	111609	TT	CC	1940434999
SNP_P1_171277_111629	NW_004515712.1	Scaffold135	111629	TT	CC	1940435000
SNP_P1_171278_112304	NW_004515712.1	Scaffold135	112304	CC	TT	1940435001
SNP_P1_171280_115487	NW_004515712.1	Scaffold135	115487	TT	CC	1940435002
SNP_P1_171281_115594	NW_004515712.1	Scaffold135	115594	TT	CC	1940435003
SNP_P1_171282_115603	NW_004515712.1	Scaffold135	115603	TT	CC	1940435004
SNP_P1_171283_115623	NW_004515712.1	Scaffold135	115623	TT	CC	1940435005
SNP_P1_171284_115625	NW_004515712.1	Scaffold135	115625	AA	TT	1940435006
SNP_P1_171285_115629	NW_004515712.1	Scaffold135	115629	GG	AA	1940435007
SNP_P1_171286_115717	NW_004515712.1	Scaffold135	115717	CC	TT	1940435008
SNP_P1_171287_115730	NW_004515712.1	Scaffold135	115730	TT	CC	1940435009
SNP_P1_171288_115854	NW_004515712.1	Scaffold135	115854	AA	TT	1940435010
SNP_P1_171289_115891	NW_004515712.1	Scaffold135	115891	CC	TT	1940435011
SNP_P1_171290_115911	NW_004515712.1	Scaffold135	115911	TT	CC	1940435012
SNP_P1_171291_115924	NW_004515712.1	Scaffold135	115924	AA	GG	1940435013
SNP_P1_171292_115985	NW_004515712.1	Scaffold135	115985	CC	TT	1940435014
SNP_P1_171293_116080	NW_004515712.1	Scaffold135	116080	CC	TT	1940435015
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SNP_P1_171296_35594	NW_004515713.1	Scaffold136	35594	AA	GG	1940435017
SNP_P1_171298_3422	NW_004515715.1	Scaffold140	3422	GG	AA	1940435018
SNP_P1_171299_5344	NW_004515715.1	Scaffold140	5344	TT	AA	1940435019
SNP_P1_171300_5718	NW_004515715.1	Scaffold140	5718	CC	AA	1940435020
SNP_P1_171302_7500	NW_004515715.1	Scaffold140	7500	AA	GG	1940435021
SNP_P1_171303_7734	NW_004515715.1	Scaffold140	7734	TT	GG	1940435022
SNP_P1_171304_7773	NW_004515715.1	Scaffold140	7773	AA	GG	1940435023
SNP_P1_171305_7776	NW_004515715.1	Scaffold140	7776	CC	TT	1940435024
SNP_P1_171306_7821	NW_004515715.1	Scaffold140	7821	CC	TT	1940435025
SNP_P1_171307_15962	NW_004515715.1	Scaffold140	15962	AA	TT	1940435026

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171310_24716	NW_004515715.1	Scaffold140	24716	CC	TT	1940435029
SNP_P1_171311_25059	NW_004515715.1	Scaffold140	25059	GG	AA	1940435030
SNP_P1_171312_25687	NW_004515715.1	Scaffold140	25687	CC	TT	1940435031
SNP_P1_171313_25697	NW_004515715.1	Scaffold140	25697	GG	CC	1940435032
SNP_P1_171314_25719	NW_004515715.1	Scaffold140	25719	GG	TT	1940435033
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SNP_P1_171318_25822	NW_004515715.1	Scaffold140	25822	GG	AA	1940435036
SNP_P1_171319_25823	NW_004515715.1	Scaffold140	25823	TT	GG	1940435037
SNP_P1_171320_26443	NW_004515715.1	Scaffold140	26443	AA	GG	1940435038
SNP_P1_171321_26446	NW_004515715.1	Scaffold140	26446	TT	CC	1940435039
SNP_P1_171322_26463	NW_004515715.1	Scaffold140	26463	GG	AA	1940435040
SNP_P1_171323_26484	NW_004515715.1	Scaffold140	26484	TT	CC	1940435041
SNP_P1_171324_26496	NW_004515715.1	Scaffold140	26496	AA	GG	1940435042
SNP_P1_171325_26713	NW_004515715.1	Scaffold140	26713	GG	AA	1940435043
SNP_P1_171326_26967	NW_004515715.1	Scaffold140	26967	TT	CC	1940435044
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SNP_P1_171329_27932	NW_004515715.1	Scaffold140	27932	GG	AA	1940435047
SNP_P1_171330_36965	NW_004515715.1	Scaffold140	36965	TT	CC	1940435048
SNP_P1_171331_37135	NW_004515715.1	Scaffold140	37135	TT	AA	1940435049
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SNP_P1_171333_37293	NW_004515715.1	Scaffold140	37293	AA	GG	1940435051
SNP_P1_171334_37336	NW_004515715.1	Scaffold140	37336	AA	GG	1940435052
SNP_P1_171335_52847	NW_004515715.1	Scaffold140	52847	CC	TT	1940435053
SNP_P1_171336_277	NW_004515716.1	Scaffold141	277	TT	AA	1940435054
SNP_P1_171337_344	NW_004515716.1	Scaffold141	344	AA	GG	1940435055
SNP_P1_171338_364	NW_004515716.1	Scaffold141	364	AA	GG	1940435056
SNP_P1_171339_415	NW_004515716.1	Scaffold141	415	TT	AA	1940435057
SNP_P1_171340_11725	NW_004515716.1	Scaffold141	11725	GG	AA	1940435058
SNP_P1_171341_12002	NW_004515716.1	Scaffold141	12002	GG	AA	1940435059
SNP_P1_171342_12009	NW_004515716.1	Scaffold141	12009	GG	TT	1940435060
SNP_P1_171343_12207	NW_004515716.1	Scaffold141	12207	TT	CC	1940435061
SNP_P1_171344_12264	NW_004515716.1	Scaffold141	12264	CC	TT	1940435062
SNP_P1_171345_12299	NW_004515716.1	Scaffold141	12299	AA	CC	1940435063
SNP_P1_171346_14090	NW_004515716.1	Scaffold141	14090	CC	TT	1940435064
SNP_P1_171347_14178	NW_004515716.1	Scaffold141	14178	AA	CC	1940435065
SNP_P1_171348_14442	NW_004515716.1	Scaffold141	14442	TT	CC	1940435066
SNP_P1_171349_15781	NW_004515716.1	Scaffold141	15781	AA	GG	1940435067
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171354_16883	NW_004515716.1	Scaffold141	16883	GG	AA	1940435072
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SNP_P1_171358_17725	NW_004515716.1	Scaffold141	17725	AA	GG	1940435076
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SNP_P1_171360_26240	NW_004515716.1	Scaffold141	26240	CC	TT	1940435078
SNP_P1_171361_26245	NW_004515716.1	Scaffold141	26245	CC	TT	1940435079
SNP_P1_171362_26247	NW_004515716.1	Scaffold141	26247	TT	AA	1940435080
SNP_P1_171363_26272	NW_004515716.1	Scaffold141	26272	GG	TT	1940435081
SNP_P1_171364_26290	NW_004515716.1	Scaffold141	26290	TT	AA	1940435082
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SNP_P1_171366_37730	NW_004515716.1	Scaffold141	37730	GG	TT	1940435084
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SNP_P1_171369_48432	NW_004515716.1	Scaffold141	48432	TT	GG	1940435087
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SNP_P1_171391_68360	NW_004515716.1	Scaffold141	68360	TT	CC	1940435110
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171396_68899	NW_004515716.1	Scaffold141	68899	CC	TT	1940435114
SNP_P1_171397_69215	NW_004515716.1	Scaffold141	69215	TT	GG	1940435115
SNP_P1_171398_77168	NW_004515716.1	Scaffold141	77168	TT	AA	1940435116
SNP_P1_171399_79575	NW_004515716.1	Scaffold141	79575	AA	CC	1940435117
SNP_P1_171400_81552	NW_004515716.1	Scaffold141	81552	CC	TT	1940435118
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SNP_P1_171402_90230	NW_004515716.1	Scaffold141	90230	AA	GG	1940435120
SNP_P1_171403_90612	NW_004515716.1	Scaffold141	90612	TT	AA	1940435121
SNP_P1_171404_97455	NW_004515716.1	Scaffold141	97455	TT	AA	1940435122
SNP_P1_171405_101610	NW_004515716.1	Scaffold141	101610	AA	TT	1940435123
SNP_P1_171406_102239	NW_004515716.1	Scaffold141	102239	CC	GG	1940435124
SNP_P1_171407_102276	NW_004515716.1	Scaffold141	102276	GG	CC	1940435125
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SNP_P1_171410_106938	NW_004515716.1	Scaffold141	106938	TT	CC	1940435128
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SNP_P1_171412_109797	NW_004515716.1	Scaffold141	109797	CC	TT	1940435130
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SNP_P1_171419_115184	NW_004515716.1	Scaffold141	115184	AA	GG	1940435137
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SNP_P1_171424_128446	NW_004515716.1	Scaffold141	128446	TT	GG	1940435142
SNP_P1_171425_132750	NW_004515716.1	Scaffold141	132750	AA	GG	1940435143
SNP_P1_171426_132781	NW_004515716.1	Scaffold141	132781	TT	GG	1940435144
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SNP_P1_171428_133039	NW_004515716.1	Scaffold141	133039	TT	GG	1940435146
SNP_P1_171429_133049	NW_004515716.1	Scaffold141	133049	CC	TT	1940435147
SNP_P1_171430_133150	NW_004515716.1	Scaffold141	133150	TT	GG	1940435148
SNP_P1_171431_133166	NW_004515716.1	Scaffold141	133166	CC	TT	1940435149
SNP_P1_171432_133169	NW_004515716.1	Scaffold141	133169	TT	GG	1940435150
SNP_P1_171433_133184	NW_004515716.1	Scaffold141	133184	TT	CC	1940435151
SNP_P1_171434_133199	NW_004515716.1	Scaffold141	133199	TT	AA	1940435152
SNP_P1_171435_133233	NW_004515716.1	Scaffold141	133233	GG	AA	1940435153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_171436_133237	NW_004515716.1	Scaffold141	133237	AA	CC	1940435154
SNP_P1_171437_133242	NW_004515716.1	Scaffold141	133242	CC	TT	1940435155
SNP_P1_171438_138058	NW_004515716.1	Scaffold141	138058	CC	TT	1940435156
SNP_P1_171439_138555	NW_004515716.1	Scaffold141	138555	GG	AA	1940435157
SNP_P1_171440_138695	NW_004515716.1	Scaffold141	138695	GG	TT	1940435158
SNP_P1_171441_139092	NW_004515716.1	Scaffold141	139092	TT	GG	1940435159
SNP_P1_171442_139150	NW_004515716.1	Scaffold141	139150	AA	TT	1940435160
SNP_P1_171443_139697	NW_004515716.1	Scaffold141	139697	TT	GG	1940435161
SNP_P1_171444_139720	NW_004515716.1	Scaffold141	139720	AA	GG	1940435162
SNP_P1_171445_139951	NW_004515716.1	Scaffold141	139951	TT	CC	1940435163
SNP_P1_171446_140185	NW_004515716.1	Scaffold141	140185	TT	GG	1940435164
SNP_P1_171447_140554	NW_004515716.1	Scaffold141	140554	AA	CC	1940435165
SNP_P1_171448_140721	NW_004515716.1	Scaffold141	140721	CC	AA	1940435166
SNP_P1_171449_140750	NW_004515716.1	Scaffold141	140750	TT	CC	1940435167
SNP_P1_171450_146633	NW_004515716.1	Scaffold141	146633	AA	TT	1940435168
SNP_P1_171451_146784	NW_004515716.1	Scaffold141	146784	AA	GG	1940435169
SNP_P1_171452_146944	NW_004515716.1	Scaffold141	146944	TT	GG	1940435170
SNP_P1_171453_147003	NW_004515716.1	Scaffold141	147003	AA	GG	1940435171
SNP_P1_171454_147210	NW_004515716.1	Scaffold141	147210	GG	AA	1940435172
SNP_P1_171455_147487	NW_004515716.1	Scaffold141	147487	AA	CC	1940435173
SNP_P1_171456_147540	NW_004515716.1	Scaffold141	147540	AA	TT	1940435174
SNP_P1_171457_147554	NW_004515716.1	Scaffold141	147554	GG	CC	1940435175
SNP_P1_171458_147720	NW_004515716.1	Scaffold141	147720	AA	TT	1940435176
SNP_P1_171459_147727	NW_004515716.1	Scaffold141	147727	GG	TT	1940435177
SNP_P1_171460_148058	NW_004515716.1	Scaffold141	148058	TT	AA	1940435178
SNP_P1_171461_148095	NW_004515716.1	Scaffold141	148095	AA	CC	1940435179
SNP_P1_171462_148100	NW_004515716.1	Scaffold141	148100	TT	AA	1940435180
SNP_P1_171463_148109	NW_004515716.1	Scaffold141	148109	CC	TT	1940435181
SNP_P1_171464_148113	NW_004515716.1	Scaffold141	148113	CC	GG	1940435182
SNP_P1_171465_148166	NW_004515716.1	Scaffold141	148166	TT	CC	1940435183
SNP_P1_171466_148170	NW_004515716.1	Scaffold141	148170	CC	AA	1940435184
SNP_P1_171467_150894	NW_004515716.1	Scaffold141	150894	TT	CC	1940435185
SNP_P1_171468_150896	NW_004515716.1	Scaffold141	150896	CC	AA	1940435186
SNP_P1_171469_150897	NW_004515716.1	Scaffold141	150897	TT	AA	1940435187
SNP_P1_171470_150953	NW_004515716.1	Scaffold141	150953	TT	GG	1940435188
SNP_P1_171471_150982	NW_004515716.1	Scaffold141	150982	CC	GG	1940435189
SNP_P1_171472_150998	NW_004515716.1	Scaffold141	150998	AA	TT	1940435190
SNP_P1_171473_151268	NW_004515716.1	Scaffold141	151268	TT	AA	1940435191
SNP_P1_171474_159906	NW_004515716.1	Scaffold141	159906	TT	AA	1940435192
SNP_P1_171475_166121	NW_004515716.1	Scaffold141	166121	TT	GG	1940435193
SNP_P1_171476_166510	NW_004515716.1	Scaffold141	166510	GG	AA	1940435194
SNP_P1_171477_166681	NW_004515716.1	Scaffold141	166681	TT	CC	1940435195

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_171478_172027	NW_004515716.1	Scaffold141	172027	AA	TT	1940435196
SNP_P1_171479_172136	NW_004515716.1	Scaffold141	172136	AA	GG	1940435197
SNP_P1_171480_172182	NW_004515716.1	Scaffold141	172182	CC	GG	1940435198
SNP_P1_171481_172226	NW_004515716.1	Scaffold141	172226	AA	GG	1940435199
SNP_P1_171482_172300	NW_004515716.1	Scaffold141	172300	TT	AA	1940435200
SNP_P1_171483_175843	NW_004515716.1	Scaffold141	175843	GG	TT	1940435201
SNP_P1_171485_4689	NW_004515717.1	Scaffold142	4689	GG	TT	1940435202
SNP_P1_171486_4920	NW_004515717.1	Scaffold142	4920	CC	TT	1940435203
SNP_P1_171487_5176	NW_004515717.1	Scaffold142	5176	AA	CC	1940435204
SNP_P1_171488_5347	NW_004515717.1	Scaffold142	5347	AA	GG	1940435205
SNP_P1_171489_8805	NW_004515718.1	Scaffold143	8805	TT	AA	1940435206
SNP_P1_171490_8919	NW_004515718.1	Scaffold143	8919	AA	CC	1940435207
SNP_P1_171491_13774	NW_004515718.1	Scaffold143	13774	AA	TT	1940435208
SNP_P1_171492_13866	NW_004515718.1	Scaffold143	13866	TT	GG	1940435209
SNP_P1_171494_13996	NW_004515718.1	Scaffold143	13996	TT	CC	1940435210
SNP_P1_171495_14018	NW_004515718.1	Scaffold143	14018	TT	AA	1940435211
SNP_P1_171496_14021	NW_004515718.1	Scaffold143	14021	TT	GG	1940435212
SNP_P1_171497_14083	NW_004515718.1	Scaffold143	14083	GG	AA	1940435213
SNP_P1_171498_14103	NW_004515718.1	Scaffold143	14103	TT	CC	1940435214
SNP_P1_171499_15413	NW_004515718.1	Scaffold143	15413	AA	GG	1940435215
SNP_P1_171500_22047	NW_004515718.1	Scaffold143	22047	GG	AA	1940435216
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SNP_P1_171502_38411	NW_004515718.1	Scaffold143	38411	AA	CC	1940435218
SNP_P1_171503_44090	NW_004515718.1	Scaffold143	44090	CC	TT	1940435219
SNP_P1_171504_67098	NW_004515718.1	Scaffold143	67098	TT	CC	1940435220
SNP_P1_171505_67165	NW_004515718.1	Scaffold143	67165	TT	AA	1940435221
SNP_P1_171506_67417	NW_004515718.1	Scaffold143	67417	TT	CC	1940435222
SNP_P1_171507_67418	NW_004515718.1	Scaffold143	67418	TT	CC	1940435223
SNP_P1_171508_67472	NW_004515718.1	Scaffold143	67472	AA	GG	1940435224
SNP_P1_171510_67536	NW_004515718.1	Scaffold143	67536	AA	TT	1940435225
SNP_P1_171511_67543	NW_004515718.1	Scaffold143	67543	CC	TT	1940435226
SNP_P1_171512_67578	NW_004515718.1	Scaffold143	67578	CC	TT	1940435227
SNP_P1_171513_67679	NW_004515718.1	Scaffold143	67679	AA	TT	1940435228
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SNP_P1_171515_67889	NW_004515718.1	Scaffold143	67889	AA	CC	1940435230
SNP_P1_171516_67988	NW_004515718.1	Scaffold143	67988	TT	GG	1940435231
SNP_P1_171517_68042	NW_004515718.1	Scaffold143	68042	CC	TT	1940435232
SNP_P1_171518_68092	NW_004515718.1	Scaffold143	68092	TT	GG	1940435233
SNP_P1_171520_68128	NW_004515718.1	Scaffold143	68128	AA	GG	1940435234
SNP_P1_171521_70579	NW_004515718.1	Scaffold143	70579	AA	GG	1940435235
SNP_P1_171522_72595	NW_004515718.1	Scaffold143	72595	TT	CC	1940435236
SNP_P1_171523_74731	NW_004515718.1	Scaffold143	74731	CC	AA	1940435237

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171525_84191	NW_004515718.1	Scaffold143	84191	GG	AA	1940435240
SNP_P1_171526_85250	NW_004515718.1	Scaffold143	85250	CC	TT	1940435241
SNP_P1_171527_90437	NW_004515718.1	Scaffold143	90437	AA	GG	1940435242
SNP_P1_171528_102289	NW_004515718.1	Scaffold143	102289	AA	GG	1940435243
SNP_P1_171529_121417	NW_004515718.1	Scaffold143	121417	GG	AA	1940435244
SNP_P1_171530_124687	NW_004515718.1	Scaffold143	124687	GG	TT	1940435245
SNP_P1_171531_124801	NW_004515718.1	Scaffold143	124801	CC	TT	1940435246
SNP_P1_171532_124818	NW_004515718.1	Scaffold143	124818	GG	TT	1940435247
SNP_P1_171533_124893	NW_004515718.1	Scaffold143	124893	AA	TT	1940435248
SNP_P1_171534_125143	NW_004515718.1	Scaffold143	125143	TT	CC	1940435249
SNP_P1_171535_126577	NW_004515718.1	Scaffold143	126577	AA	GG	1940435250
SNP_P1_171536_128628	NW_004515718.1	Scaffold143	128628	GG	TT	1940435251
SNP_P1_171537_152887	NW_004515718.1	Scaffold143	152887	TT	CC	1940435252
SNP_P1_171538_152950	NW_004515718.1	Scaffold143	152950	AA	CC	1940435253
SNP_P1_171539_152952	NW_004515718.1	Scaffold143	152952	CC	TT	1940435254
SNP_P1_171540_167289	NW_004515718.1	Scaffold143	167289	TT	CC	1940435255
SNP_P1_171542_167407	NW_004515718.1	Scaffold143	167407	AA	GG	1940435256
SNP_P1_171543_167434	NW_004515718.1	Scaffold143	167434	AA	GG	1940435257
SNP_P1_171544_181630	NW_004515718.1	Scaffold143	181630	AA	GG	1940435258
SNP_P1_171545_183396	NW_004515718.1	Scaffold143	183396	CC	AA	1940435259
SNP_P1_171546_185553	NW_004515718.1	Scaffold143	185553	CC	TT	1940435260
SNP_P1_171547_198326	NW_004515718.1	Scaffold143	198326	TT	CC	1940435261
SNP_P1_171550_219226	NW_004515718.1	Scaffold143	219226	AA	GG	1940435262
SNP_P1_171551_230951	NW_004515718.1	Scaffold143	230951	TT	AA	1940435263
SNP_P1_171552_233913	NW_004515718.1	Scaffold143	233913	TT	CC	1940435264
SNP_P1_171553_234047	NW_004515718.1	Scaffold143	234047	CC	TT	1940435265
SNP_P1_171554_165	NW_004515719.1	Scaffold144	165	CC	TT	1940435266
SNP_P1_171555_786	NW_004515719.1	Scaffold144	786	CC	TT	1940435267
SNP_P1_171556_852	NW_004515719.1	Scaffold144	852	TT	AA	1940435268
SNP_P1_171557_1092	NW_004515719.1	Scaffold144	1092	GG	AA	1940435269
SNP_P1_171558_1095	NW_004515719.1	Scaffold144	1095	AA	GG	1940435270
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SNP_P1_171560_1107	NW_004515719.1	Scaffold144	1107	AA	TT	1940435272
SNP_P1_171561_1117	NW_004515719.1	Scaffold144	1117	GG	CC	1940435273
SNP_P1_171562_1560	NW_004515719.1	Scaffold144	1560	AA	CC	1940435274
SNP_P1_171563_1790	NW_004515719.1	Scaffold144	1790	AA	CC	1940435275
SNP_P1_171564_2221	NW_004515719.1	Scaffold144	2221	TT	GG	1940435276
SNP_P1_171565_2293	NW_004515719.1	Scaffold144	2293	CC	GG	1940435277
SNP_P1_171566_2627	NW_004515719.1	Scaffold144	2627	GG	AA	1940435278
SNP_P1_171567_2679	NW_004515719.1	Scaffold144	2679	AA	GG	1940435279
SNP_P1_171568_2842	NW_004515719.1	Scaffold144	2842	CC	TT	1940435280

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171571_4788	NW_004515719.1	Scaffold144	4788	GG	AA	1940435283
SNP_P1_171572_4819	NW_004515719.1	Scaffold144	4819	CC	AA	1940435284
SNP_P1_171573_6513	NW_004515719.1	Scaffold144	6513	CC	GG	1940435285
SNP_P1_171574_6517	NW_004515719.1	Scaffold144	6517	TT	GG	1940435286
SNP_P1_171575_6530	NW_004515719.1	Scaffold144	6530	GG	CC	1940435287
SNP_P1_171576_7710	NW_004515719.1	Scaffold144	7710	GG	AA	1940435288
SNP_P1_171577_7712	NW_004515719.1	Scaffold144	7712	CC	GG	1940435289
SNP_P1_171578_7737	NW_004515719.1	Scaffold144	7737	GG	AA	1940435290
SNP_P1_171579_11333	NW_004515719.1	Scaffold144	11333	CC	AA	1940435291
SNP_P1_171580_17058	NW_004515719.1	Scaffold144	17058	TT	CC	1940435292
SNP_P1_171581_17173	NW_004515719.1	Scaffold144	17173	TT	AA	1940435293
SNP_P1_171582_17182	NW_004515719.1	Scaffold144	17182	AA	GG	1940435294
SNP_P1_171583_17198	NW_004515719.1	Scaffold144	17198	TT	CC	1940435295
SNP_P1_171584_17201	NW_004515719.1	Scaffold144	17201	CC	TT	1940435296
SNP_P1_171585_17226	NW_004515719.1	Scaffold144	17226	AA	GG	1940435297
SNP_P1_171586_17377	NW_004515719.1	Scaffold144	17377	GG	AA	1940435298
SNP_P1_171587_17459	NW_004515719.1	Scaffold144	17459	CC	AA	1940435299
SNP_P1_171588_17477	NW_004515719.1	Scaffold144	17477	AA	GG	1940435300
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SNP_P1_171591_17698	NW_004515719.1	Scaffold144	17698	TT	AA	1940435303
SNP_P1_171592_17701	NW_004515719.1	Scaffold144	17701	AA	GG	1940435304
SNP_P1_171593_17806	NW_004515719.1	Scaffold144	17806	AA	CC	1940435305
SNP_P1_171594_17834	NW_004515719.1	Scaffold144	17834	CC	TT	1940435306
SNP_P1_171595_17970	NW_004515719.1	Scaffold144	17970	CC	AA	1940435307
SNP_P1_171596_18100	NW_004515719.1	Scaffold144	18100	CC	TT	1940435308
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SNP_P1_171600_9666	NW_004515720.1	Scaffold146	9666	GG	CC	1940435311
SNP_P1_171601_9671	NW_004515720.1	Scaffold146	9671	TT	AA	1940435312
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SNP_P1_171604_9847	NW_004515720.1	Scaffold146	9847	AA	GG	1940435315
SNP_P1_171605_10231	NW_004515720.1	Scaffold146	10231	GG	TT	1940435316
SNP_P1_171606_10910	NW_004515720.1	Scaffold146	10910	GG	CC	1940435317
SNP_P1_171607_12181	NW_004515720.1	Scaffold146	12181	TT	CC	1940435318
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SNP_P1_171609_12221	NW_004515720.1	Scaffold146	12221	GG	TT	1940435320
SNP_P1_171610_12226	NW_004515720.1	Scaffold146	12226	AA	GG	1940435321
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171614_12316	NW_004515720.1	Scaffold146	12316	TT	CC	1940435325
SNP_P1_171615_12384	NW_004515720.1	Scaffold146	12384	TT	GG	1940435326
SNP_P1_171616_12770	NW_004515720.1	Scaffold146	12770	TT	AA	1940435327
SNP_P1_171617_24634	NW_004515720.1	Scaffold146	24634	CC	TT	1940435328
SNP_P1_171618_24639	NW_004515720.1	Scaffold146	24639	AA	TT	1940435329
SNP_P1_171619_24650	NW_004515720.1	Scaffold146	24650	AA	TT	1940435330
SNP_P1_171620_24654	NW_004515720.1	Scaffold146	24654	CC	GG	1940435331
SNP_P1_171621_28125	NW_004515720.1	Scaffold146	28125	AA	TT	1940435332
SNP_P1_171622_36799	NW_004515720.1	Scaffold146	36799	AA	GG	1940435333
SNP_P1_171624_43063	NW_004515720.1	Scaffold146	43063	TT	AA	1940435334
SNP_P1_171625_43068	NW_004515720.1	Scaffold146	43068	GG	TT	1940435335
SNP_P1_171626_43069	NW_004515720.1	Scaffold146	43069	TT	AA	1940435336
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SNP_P1_171628_43142	NW_004515720.1	Scaffold146	43142	AA	GG	1940435338
SNP_P1_171629_45606	NW_004515720.1	Scaffold146	45606	GG	AA	1940435339
SNP_P1_171630_46385	NW_004515720.1	Scaffold146	46385	AA	GG	1940435340
SNP_P1_171631_46544	NW_004515720.1	Scaffold146	46544	CC	GG	1940435341
SNP_P1_171632_47526	NW_004515720.1	Scaffold146	47526	GG	CC	1940435342
SNP_P1_171633_47562	NW_004515720.1	Scaffold146	47562	AA	GG	1940435343
SNP_P1_171634_47739	NW_004515720.1	Scaffold146	47739	AA	GG	1940435344
SNP_P1_171635_48247	NW_004515720.1	Scaffold146	48247	CC	TT	1940435345
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SNP_P1_171637_70100	NW_004515720.1	Scaffold146	70100	AA	GG	1940435347
SNP_P1_171638_70113	NW_004515720.1	Scaffold146	70113	AA	GG	1940435348
SNP_P1_171639_70234	NW_004515720.1	Scaffold146	70234	TT	CC	1940435349
SNP_P1_171640_70235	NW_004515720.1	Scaffold146	70235	AA	TT	1940435350
SNP_P1_171641_70309	NW_004515720.1	Scaffold146	70309	AA	CC	1940435351
SNP_P1_171642_70514	NW_004515720.1	Scaffold146	70514	AA	GG	1940435352
SNP_P1_171643_70875	NW_004515720.1	Scaffold146	70875	AA	GG	1940435353
SNP_P1_171644_70881	NW_004515720.1	Scaffold146	70881	GG	AA	1940435354
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SNP_P1_171649_82691	NW_004515720.1	Scaffold146	82691	GG	CC	1940435358
SNP_P1_171650_83011	NW_004515720.1	Scaffold146	83011	GG	TT	1940435359
SNP_P1_171651_83317	NW_004515720.1	Scaffold146	83317	GG	AA	1940435360
SNP_P1_171652_83318	NW_004515720.1	Scaffold146	83318	AA	TT	1940435361
SNP_P1_171653_83340	NW_004515720.1	Scaffold146	83340	GG	TT	1940435362
SNP_P1_171654_83351	NW_004515720.1	Scaffold146	83351	AA	TT	1940435363
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171657_83385	NW_004515720.1	Scaffold146	83385	AA	GG	1940435366
SNP_P1_171658_83400	NW_004515720.1	Scaffold146	83400	CC	TT	1940435367
SNP_P1_171659_83429	NW_004515720.1	Scaffold146	83429	CC	TT	1940435368
SNP_P1_171660_83430	NW_004515720.1	Scaffold146	83430	AA	GG	1940435369
SNP_P1_171661_83447	NW_004515720.1	Scaffold146	83447	TT	AA	1940435370
SNP_P1_171662_83460	NW_004515720.1	Scaffold146	83460	TT	GG	1940435372
SNP_P1_171663_83527	NW_004515720.1	Scaffold146	83527	GG	CC	1940435373
SNP_P1_171664_83536	NW_004515720.1	Scaffold146	83536	AA	CC	1940435374
SNP_P1_171665_83708	NW_004515720.1	Scaffold146	83708	CC	AA	1940435375
SNP_P1_171666_83760	NW_004515720.1	Scaffold146	83760	AA	TT	1940435376
SNP_P1_171667_83770	NW_004515720.1	Scaffold146	83770	TT	AA	1940435377
SNP_P1_171668_84306	NW_004515720.1	Scaffold146	84306	TT	AA	1940435378
SNP_P1_171669_86121	NW_004515720.1	Scaffold146	86121	CC	GG	1940435379
SNP_P1_171670_180	NW_004515721.1	Scaffold150	180	AA	GG	1940435380
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SNP_P1_171674_13455	NW_004515721.1	Scaffold150	13455	AA	CC	1940435383
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SNP_P1_171676_638	NW_004515722.1	Scaffold151	638	TT	AA	1940435385
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SNP_P1_171679_860	NW_004515722.1	Scaffold151	860	TT	AA	1940435387
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SNP_P1_171681_1175	NW_004515722.1	Scaffold151	1175	AA	GG	1940435389
SNP_P1_171684_1857	NW_004515722.1	Scaffold151	1857	AA	TT	1940435390
SNP_P1_171686_2160	NW_004515722.1	Scaffold151	2160	CC	AA	1940435391
SNP_P1_171690_4560	NW_004515722.1	Scaffold151	4560	CC	TT	1940435392
SNP_P1_171691_4586	NW_004515722.1	Scaffold151	4586	GG	TT	1940435393
SNP_P1_171692_4757	NW_004515722.1	Scaffold151	4757	TT	CC	1940435394
SNP_P1_171694_5042	NW_004515722.1	Scaffold151	5042	CC	TT	1940435395
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SNP_P1_171703_7096	NW_004515722.1	Scaffold151	7096	TT	GG	1940435403
SNP_P1_171704_7122	NW_004515722.1	Scaffold151	7122	CC	TT	1940435404
SNP_P1_171705_7126	NW_004515722.1	Scaffold151	7126	CC	TT	1940435405
SNP_P1_171706_7153	NW_004515722.1	Scaffold151	7153	TT	CC	1940435406
SNP_P1_171707_7176	NW_004515722.1	Scaffold151	7176	GG	AA	1940435407

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171710_7593	NW_004515722.1	Scaffold151	7593	GG	AA	1940435410
SNP_P1_171711_7656	NW_004515722.1	Scaffold151	7656	AA	GG	1940435411
SNP_P1_171714_9572	NW_004515722.1	Scaffold151	9572	CC	TT	1940435412
SNP_P1_171715_9664	NW_004515722.1	Scaffold151	9664	TT	CC	1940435413
SNP_P1_171716_10458	NW_004515722.1	Scaffold151	10458	CC	TT	1940435414
SNP_P1_171717_11038	NW_004515722.1	Scaffold151	11038	TT	CC	1940435415
SNP_P1_171718_11041	NW_004515722.1	Scaffold151	11041	TT	CC	1940435416
SNP_P1_171719_11072	NW_004515722.1	Scaffold151	11072	AA	GG	1940435417
SNP_P1_171720_11237	NW_004515722.1	Scaffold151	11237	AA	GG	1940435418
SNP_P1_171721_11733	NW_004515722.1	Scaffold151	11733	GG	AA	1940435419
SNP_P1_171722_17511	NW_004515722.1	Scaffold151	17511	TT	CC	1940435420
SNP_P1_171723_18261	NW_004515722.1	Scaffold151	18261	CC	TT	1940435421
SNP_P1_171724_18429	NW_004515722.1	Scaffold151	18429	GG	AA	1940435422
SNP_P1_171725_18638	NW_004515722.1	Scaffold151	18638	GG	AA	1940435423
SNP_P1_171726_18789	NW_004515722.1	Scaffold151	18789	GG	AA	1940435424
SNP_P1_171727_18874	NW_004515722.1	Scaffold151	18874	AA	TT	1940435425
SNP_P1_171728_19030	NW_004515722.1	Scaffold151	19030	GG	AA	1940435426
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SNP_P1_171731_19402	NW_004515722.1	Scaffold151	19402	GG	AA	1940435429
SNP_P1_171732_19528	NW_004515722.1	Scaffold151	19528	AA	GG	1940435430
SNP_P1_171733_19951	NW_004515722.1	Scaffold151	19951	CC	TT	1940435431
SNP_P1_171734_25189	NW_004515722.1	Scaffold151	25189	CC	TT	1940435432
SNP_P1_171735_25405	NW_004515722.1	Scaffold151	25405	AA	TT	1940435433
SNP_P1_171736_25453	NW_004515722.1	Scaffold151	25453	GG	AA	1940435434
SNP_P1_171737_25655	NW_004515722.1	Scaffold151	25655	CC	GG	1940435435
SNP_P1_171738_25916	NW_004515722.1	Scaffold151	25916	AA	GG	1940435436
SNP_P1_171739_25917	NW_004515722.1	Scaffold151	25917	CC	GG	1940435437
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SNP_P1_171742_27009	NW_004515722.1	Scaffold151	27009	GG	CC	1940435440
SNP_P1_171743_27428	NW_004515722.1	Scaffold151	27428	AA	TT	1940435441
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SNP_P1_171747_27928	NW_004515722.1	Scaffold151	27928	AA	GG	1940435445
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SNP_P1_171749_28391	NW_004515722.1	Scaffold151	28391	CC	TT	1940435447
SNP_P1_171750_28547	NW_004515722.1	Scaffold151	28547	GG	AA	1940435448
SNP_P1_171751_28613	NW_004515722.1	Scaffold151	28613	CC	AA	1940435449

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171755_29479	NW_004515722.1	Scaffold151	29479	GG	AA	1940435452
SNP_P1_171756_30971	NW_004515722.1	Scaffold151	30971	TT	CC	1940435453
SNP_P1_171757_30974	NW_004515722.1	Scaffold151	30974	GG	AA	1940435454
SNP_P1_171758_31323	NW_004515722.1	Scaffold151	31323	CC	TT	1940435455
SNP_P1_171759_31550	NW_004515722.1	Scaffold151	31550	AA	GG	1940435456
SNP_P1_171760_34758	NW_004515722.1	Scaffold151	34758	AA	GG	1940435457
SNP_P1_171761_34763	NW_004515722.1	Scaffold151	34763	TT	AA	1940435458
SNP_P1_171762_34775	NW_004515722.1	Scaffold151	34775	AA	GG	1940435459
SNP_P1_171763_34814	NW_004515722.1	Scaffold151	34814	AA	TT	1940435460
SNP_P1_171765_35544	NW_004515722.1	Scaffold151	35544	TT	AA	1940435461
SNP_P1_171766_35733	NW_004515722.1	Scaffold151	35733	CC	GG	1940435462
SNP_P1_171767_35740	NW_004515722.1	Scaffold151	35740	AA	GG	1940435463
SNP_P1_171768_35741	NW_004515722.1	Scaffold151	35741	CC	TT	1940435464
SNP_P1_171769_35768	NW_004515722.1	Scaffold151	35768	TT	CC	1940435465
SNP_P1_171770_35802	NW_004515722.1	Scaffold151	35802	TT	AA	1940435466
SNP_P1_171771_35812	NW_004515722.1	Scaffold151	35812	AA	CC	1940435467
SNP_P1_171772_35875	NW_004515722.1	Scaffold151	35875	GG	AA	1940435468
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SNP_P1_171786_42857	NW_004515722.1	Scaffold151	42857	TT	CC	1940435482
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SNP_P1_171791_45556	NW_004515722.1	Scaffold151	45556	AA	CC	1940435487
SNP_P1_171793_54629	NW_004515722.1	Scaffold151	54629	CC	TT	1940435488
SNP_P1_171795_61787	NW_004515722.1	Scaffold151	61787	TT	CC	1940435489
SNP_P1_171796_65877	NW_004515722.1	Scaffold151	65877	CC	TT	1940435490
SNP_P1_171798_69392	NW_004515722.1	Scaffold151	69392	CC	AA	1940435491
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171802_99051	NW_004515722.1	Scaffold151	99051	GG	AA	1940435495
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SNP_P1_171804_111770	NW_004515722.1	Scaffold151	111770	CC	TT	1940435497
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SNP_P1_171812_178086	NW_004515722.1	Scaffold151	178086	TT	GG	1940435504
SNP_P1_171813_181231	NW_004515722.1	Scaffold151	181231	AA	GG	1940435505
SNP_P1_171814_181254	NW_004515722.1	Scaffold151	181254	AA	CC	1940435506
SNP_P1_171816_195193	NW_004515722.1	Scaffold151	195193	AA	GG	1940435507
SNP_P1_171817_202005	NW_004515722.1	Scaffold151	202005	TT	CC	1940435508
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SNP_P1_171827_228034	NW_004515722.1	Scaffold151	228034	AA	GG	1940435517
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SNP_P1_171836_298645	NW_004515722.1	Scaffold151	298645	AA	CC	1940435524
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171852_19484	NW_004515723.1	Scaffold153	19484	GG	CC	1940435537
SNP_P1_171853_19673	NW_004515723.1	Scaffold153	19673	TT	CC	1940435538
SNP_P1_171854_19678	NW_004515723.1	Scaffold153	19678	CC	AA	1940435539
SNP_P1_171855_19690	NW_004515723.1	Scaffold153	19690	AA	TT	1940435540
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SNP_P1_171862_28114	NW_004515723.1	Scaffold153	28114	GG	AA	1940435546
SNP_P1_171863_28122	NW_004515723.1	Scaffold153	28122	GG	TT	1940435547
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SNP_P1_171868_31241	NW_004515723.1	Scaffold153	31241	AA	GG	1940435552
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SNP_P1_171871_35325	NW_004515723.1	Scaffold153	35325	GG	AA	1940435555
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SNP_P1_171873_38550	NW_004515723.1	Scaffold153	38550	TT	AA	1940435557
SNP_P1_171874_45088	NW_004515723.1	Scaffold153	45088	AA	TT	1940435558
SNP_P1_171875_45355	NW_004515723.1	Scaffold153	45355	GG	AA	1940435559
SNP_P1_171876_45468	NW_004515723.1	Scaffold153	45468	TT	CC	1940435560
SNP_P1_171877_45522	NW_004515723.1	Scaffold153	45522	GG	AA	1940435561
SNP_P1_171878_55738	NW_004515723.1	Scaffold153	55738	TT	CC	1940435562
SNP_P1_171879_61987	NW_004515723.1	Scaffold153	61987	CC	TT	1940435563
SNP_P1_171880_77279	NW_004515723.1	Scaffold153	77279	GG	TT	1940435564
SNP_P1_171881_81130	NW_004515723.1	Scaffold153	81130	AA	TT	1940435565
SNP_P1_171882_81297	NW_004515723.1	Scaffold153	81297	GG	AA	1940435566
SNP_P1_171883_81518	NW_004515723.1	Scaffold153	81518	AA	TT	1940435567
SNP_P1_171884_81711	NW_004515723.1	Scaffold153	81711	AA	GG	1940435568
SNP_P1_171885_81715	NW_004515723.1	Scaffold153	81715	GG	AA	1940435569
SNP_P1_171886_81761	NW_004515723.1	Scaffold153	81761	AA	GG	1940435570
SNP_P1_171887_89654	NW_004515723.1	Scaffold153	89654	AA	TT	1940435571
SNP_P1_171888_89688	NW_004515723.1	Scaffold153	89688	GG	CC	1940435572
SNP_P1_171889_89695	NW_004515723.1	Scaffold153	89695	TT	CC	1940435573
SNP_P1_171890_89793	NW_004515723.1	Scaffold153	89793	TT	CC	1940435574
SNP_P1_171891_89899	NW_004515723.1	Scaffold153	89899	TT	AA	1940435575
SNP_P1_171892_89983	NW_004515723.1	Scaffold153	89983	TT	CC	1940435576

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_171893_90006	NW_004515723.1	Scaffold153	90006	TT	GG	1940435577
SNP_P1_171894_90056	NW_004515723.1	Scaffold153	90056	CC	TT	1940435578
SNP_P1_171895_90302	NW_004515723.1	Scaffold153	90302	TT	GG	1940435579
SNP_P1_171896_90424	NW_004515723.1	Scaffold153	90424	CC	AA	1940435580
SNP_P1_171897_92073	NW_004515723.1	Scaffold153	92073	TT	CC	1940435581
SNP_P1_171898_92329	NW_004515723.1	Scaffold153	92329	CC	TT	1940435582
SNP_P1_171899_92369	NW_004515723.1	Scaffold153	92369	AA	GG	1940435583
SNP_P1_171900_96194	NW_004515723.1	Scaffold153	96194	GG	TT	1940435584
SNP_P1_171901_96217	NW_004515723.1	Scaffold153	96217	GG	TT	1940435585
SNP_P1_171902_96496	NW_004515723.1	Scaffold153	96496	CC	AA	1940435586
SNP_P1_171903_98796	NW_004515723.1	Scaffold153	98796	GG	CC	1940435587
SNP_P1_171904_100943	NW_004515723.1	Scaffold153	100943	GG	AA	1940435588
SNP_P1_171905_106976	NW_004515723.1	Scaffold153	106976	GG	TT	1940435589
SNP_P1_171906_107372	NW_004515723.1	Scaffold153	107372	AA	GG	1940435590
SNP_P1_171907_107389	NW_004515723.1	Scaffold153	107389	AA	GG	1940435591
SNP_P1_171908_107686	NW_004515723.1	Scaffold153	107686	CC	AA	1940435592
SNP_P1_171909_107694	NW_004515723.1	Scaffold153	107694	CC	GG	1940435593
SNP_P1_171910_107716	NW_004515723.1	Scaffold153	107716	AA	TT	1940435594
SNP_P1_171911_107724	NW_004515723.1	Scaffold153	107724	AA	GG	1940435595
SNP_P1_171912_107910	NW_004515723.1	Scaffold153	107910	GG	AA	1940435596
SNP_P1_171913_116046	NW_004515723.1	Scaffold153	116046	TT	CC	1940435597
SNP_P1_171915_27127	NW_004515725.1	Scaffold157	27127	TT	GG	1940435598
SNP_P1_171916_27389	NW_004515725.1	Scaffold157	27389	TT	CC	1940435599
SNP_P1_171917_27416	NW_004515725.1	Scaffold157	27416	GG	TT	1940435600
SNP_P1_171918_31359	NW_004515725.1	Scaffold157	31359	TT	GG	1940435601
SNP_P1_171919_32440	NW_004515725.1	Scaffold157	32440	TT	CC	1940435602
SNP_P1_171920_32612	NW_004515725.1	Scaffold157	32612	CC	GG	1940435603
SNP_P1_171921_34924	NW_004515725.1	Scaffold157	34924	TT	CC	1940435604
SNP_P1_171922_67514	NW_004515725.1	Scaffold157	67514	GG	TT	1940435605
SNP_P1_171923_82682	NW_004515725.1	Scaffold157	82682	GG	AA	1940435606
SNP_P1_171924_113090	NW_004515725.1	Scaffold157	113090	GG	AA	1940435607
SNP_P1_171925_115875	NW_004515725.1	Scaffold157	115875	CC	GG	1940435608
SNP_P1_171926_116723	NW_004515725.1	Scaffold157	116723	TT	CC	1940435609
SNP_P1_171927_121502	NW_004515725.1	Scaffold157	121502	AA	CC	1940435610
SNP_P1_171928_125280	NW_004515725.1	Scaffold157	125280	GG	CC	1940435611
SNP_P1_171930_168315	NW_004515725.1	Scaffold157	168315	TT	AA	1940435612
SNP_P1_171931_169294	NW_004515725.1	Scaffold157	169294	CC	TT	1940435613
SNP_P1_171932_169295	NW_004515725.1	Scaffold157	169295	CC	AA	1940435614
SNP_P1_171933_169321	NW_004515725.1	Scaffold157	169321	AA	CC	1940435615
SNP_P1_171934_169333	NW_004515725.1	Scaffold157	169333	TT	CC	1940435616
SNP_P1_171935_169543	NW_004515725.1	Scaffold157	169543	CC	AA	1940435617
SNP_P1_171936_169723	NW_004515725.1	Scaffold157	169723	AA	CC	1940435618

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_171938_171587	NW_004515725.1	Scaffold157	171587	CC	TT	1940435621
SNP_P1_171939_171625	NW_004515725.1	Scaffold157	171625	CC	TT	1940435622
SNP_P1_171940_171629	NW_004515725.1	Scaffold157	171629	GG	AA	1940435623
SNP_P1_171941_171634	NW_004515725.1	Scaffold157	171634	CC	TT	1940435624
SNP_P1_171942_171637	NW_004515725.1	Scaffold157	171637	GG	TT	1940435625
SNP_P1_171943_172850	NW_004515725.1	Scaffold157	172850	TT	CC	1940435626
SNP_P1_171944_178437	NW_004515725.1	Scaffold157	178437	TT	AA	1940435627
SNP_P1_171945_182375	NW_004515725.1	Scaffold157	182375	AA	GG	1940435628
SNP_P1_171946_182929	NW_004515725.1	Scaffold157	182929	AA	GG	1940435629
SNP_P1_171947_186333	NW_004515725.1	Scaffold157	186333	CC	TT	1940435630
SNP_P1_171948_191033	NW_004515725.1	Scaffold157	191033	GG	AA	1940435631
SNP_P1_171949_195643	NW_004515725.1	Scaffold157	195643	AA	GG	1940435632
SNP_P1_171950_203130	NW_004515725.1	Scaffold157	203130	AA	TT	1940435633
SNP_P1_171952_216245	NW_004515725.1	Scaffold157	216245	AA	GG	1940435634
SNP_P1_171954_240732	NW_004515725.1	Scaffold157	240732	GG	AA	1940435635
SNP_P1_171955_244763	NW_004515725.1	Scaffold157	244763	GG	AA	1940435636
SNP_P1_171956_245084	NW_004515725.1	Scaffold157	245084	CC	TT	1940435637
SNP_P1_171957_245152	NW_004515725.1	Scaffold157	245152	AA	GG	1940435638
SNP_P1_171958_245769	NW_004515725.1	Scaffold157	245769	GG	AA	1940435639
SNP_P1_171959_245784	NW_004515725.1	Scaffold157	245784	GG	AA	1940435640
SNP_P1_171960_245787	NW_004515725.1	Scaffold157	245787	GG	AA	1940435641
SNP_P1_171961_245822	NW_004515725.1	Scaffold157	245822	GG	AA	1940435642
SNP_P1_171962_245839	NW_004515725.1	Scaffold157	245839	GG	AA	1940435643
SNP_P1_171963_245849	NW_004515725.1	Scaffold157	245849	GG	AA	1940435644
SNP_P1_171964_245854	NW_004515725.1	Scaffold157	245854	GG	TT	1940435645
SNP_P1_171965_245856	NW_004515725.1	Scaffold157	245856	AA	GG	1940435646
SNP_P1_171967_245912	NW_004515725.1	Scaffold157	245912	AA	TT	1940435647
SNP_P1_171968_245914	NW_004515725.1	Scaffold157	245914	GG	TT	1940435648
SNP_P1_171969_245925	NW_004515725.1	Scaffold157	245925	TT	AA	1940435649
SNP_P1_171972_248133	NW_004515725.1	Scaffold157	248133	AA	CC	1940435650
SNP_P1_171975_248353	NW_004515725.1	Scaffold157	248353	TT	CC	1940435651
SNP_P1_171976_248355	NW_004515725.1	Scaffold157	248355	GG	AA	1940435652
SNP_P1_171977_248377	NW_004515725.1	Scaffold157	248377	GG	AA	1940435653
SNP_P1_171978_248504	NW_004515725.1	Scaffold157	248504	CC	TT	1940435654
SNP_P1_171979_248523	NW_004515725.1	Scaffold157	248523	TT	CC	1940435655
SNP_P1_171981_248824	NW_004515725.1	Scaffold157	248824	GG	AA	1940435656
SNP_P1_171982_248833	NW_004515725.1	Scaffold157	248833	TT	AA	1940435657
SNP_P1_171983_248849	NW_004515725.1	Scaffold157	248849	TT	CC	1940435658
SNP_P1_171984_251092	NW_004515725.1	Scaffold157	251092	CC	TT	1940435659
SNP_P1_171985_251330	NW_004515725.1	Scaffold157	251330	TT	GG	1940435660
SNP_P1_171986_251710	NW_004515725.1	Scaffold157	251710	TT	CC	1940435661

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_171987_251843	NW_004515725.1	Scaffold157	251843	AA	CC	1940435662
SNP_P1_171988_251940	NW_004515725.1	Scaffold157	251940	AA	GG	1940435663
SNP_P1_171989_252192	NW_004515725.1	Scaffold157	252192	AA	GG	1940435664
SNP_P1_171990_252207	NW_004515725.1	Scaffold157	252207	AA	TT	1940435665
SNP_P1_171993_252258	NW_004515725.1	Scaffold157	252258	TT	CC	1940435666
SNP_P1_171994_252262	NW_004515725.1	Scaffold157	252262	AA	GG	1940435667
SNP_P1_171995_252264	NW_004515725.1	Scaffold157	252264	CC	TT	1940435668
SNP_P1_171996_252372	NW_004515725.1	Scaffold157	252372	TT	CC	1940435669
SNP_P1_171997_252494	NW_004515725.1	Scaffold157	252494	GG	AA	1940435670
SNP_P1_171998_252933	NW_004515725.1	Scaffold157	252933	CC	GG	1940435671
SNP_P1_172000_253644	NW_004515725.1	Scaffold157	253644	CC	AA	1940435672
SNP_P1_172001_253760	NW_004515725.1	Scaffold157	253760	GG	AA	1940435673
SNP_P1_172002_253819	NW_004515725.1	Scaffold157	253819	AA	TT	1940435674
SNP_P1_172005_255902	NW_004515725.1	Scaffold157	255902	AA	GG	1940435675
SNP_P1_172007_256168	NW_004515725.1	Scaffold157	256168	AA	CC	1940435676
SNP_P1_172008_256409	NW_004515725.1	Scaffold157	256409	TT	CC	1940435677
SNP_P1_172010_257293	NW_004515725.1	Scaffold157	257293	CC	TT	1940435678
SNP_P1_172011_257348	NW_004515725.1	Scaffold157	257348	GG	AA	1940435679
SNP_P1_172012_257355	NW_004515725.1	Scaffold157	257355	GG	TT	1940435680
SNP_P1_172013_257512	NW_004515725.1	Scaffold157	257512	AA	GG	1940435681
SNP_P1_172014_257538	NW_004515725.1	Scaffold157	257538	GG	TT	1940435682
SNP_P1_172015_257571	NW_004515725.1	Scaffold157	257571	CC	TT	1940435683
SNP_P1_172016_257635	NW_004515725.1	Scaffold157	257635	TT	CC	1940435684
SNP_P1_172017_257678	NW_004515725.1	Scaffold157	257678	CC	TT	1940435685
SNP_P1_172018_257888	NW_004515725.1	Scaffold157	257888	AA	GG	1940435686
SNP_P1_172019_257942	NW_004515725.1	Scaffold157	257942	AA	GG	1940435687
SNP_P1_172020_258036	NW_004515725.1	Scaffold157	258036	AA	GG	1940435688
SNP_P1_172021_258179	NW_004515725.1	Scaffold157	258179	AA	GG	1940435689
SNP_P1_172022_258208	NW_004515725.1	Scaffold157	258208	AA	GG	1940435690
SNP_P1_172023_258220	NW_004515725.1	Scaffold157	258220	AA	TT	1940435691
SNP_P1_172024_258256	NW_004515725.1	Scaffold157	258256	AA	GG	1940435692
SNP_P1_172025_258272	NW_004515725.1	Scaffold157	258272	TT	CC	1940435693
SNP_P1_172026_258309	NW_004515725.1	Scaffold157	258309	GG	TT	1940435694
SNP_P1_172027_258601	NW_004515725.1	Scaffold157	258601	AA	GG	1940435695
SNP_P1_172028_260378	NW_004515725.1	Scaffold157	260378	CC	TT	1940435696
SNP_P1_172029_280313	NW_004515725.1	Scaffold157	280313	GG	TT	1940435697
SNP_P1_172030_280389	NW_004515725.1	Scaffold157	280389	AA	GG	1940435698
SNP_P1_172031_280548	NW_004515725.1	Scaffold157	280548	GG	AA	1940435699
SNP_P1_172032_280671	NW_004515725.1	Scaffold157	280671	CC	TT	1940435700
SNP_P1_172033_280677	NW_004515725.1	Scaffold157	280677	GG	AA	1940435701
SNP_P1_172034_280775	NW_004515725.1	Scaffold157	280775	TT	CC	1940435702
SNP_P1_172035_280837	NW_004515725.1	Scaffold157	280837	GG	AA	1940435703

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172037_280851	NW_004515725.1	Scaffold157	280851	GG	AA	1940435705
SNP_P1_172038_281090	NW_004515725.1	Scaffold157	281090	GG	TT	1940435706
SNP_P1_172040_281126	NW_004515725.1	Scaffold157	281126	GG	TT	1940435707
SNP_P1_172041_281362	NW_004515725.1	Scaffold157	281362	GG	AA	1940435708
SNP_P1_172042_282455	NW_004515725.1	Scaffold157	282455	GG	AA	1940435709
SNP_P1_172043_282457	NW_004515725.1	Scaffold157	282457	GG	TT	1940435710
SNP_P1_172044_282757	NW_004515725.1	Scaffold157	282757	TT	AA	1940435711
SNP_P1_172045_288972	NW_004515725.1	Scaffold157	288972	CC	TT	1940435712
SNP_P1_172046_289207	NW_004515725.1	Scaffold157	289207	TT	GG	1940435713
SNP_P1_172047_289254	NW_004515725.1	Scaffold157	289254	TT	AA	1940435714
SNP_P1_172049_289329	NW_004515725.1	Scaffold157	289329	TT	CC	1940435715
SNP_P1_172050_289331	NW_004515725.1	Scaffold157	289331	GG	AA	1940435716
SNP_P1_172051_289341	NW_004515725.1	Scaffold157	289341	TT	GG	1940435717
SNP_P1_172052_289345	NW_004515725.1	Scaffold157	289345	AA	GG	1940435718
SNP_P1_172053_290364	NW_004515725.1	Scaffold157	290364	TT	CC	1940435719
SNP_P1_172054_290655	NW_004515725.1	Scaffold157	290655	TT	GG	1940435720
SNP_P1_172055_301985	NW_004515725.1	Scaffold157	301985	TT	GG	1940435721
SNP_P1_172056_301988	NW_004515725.1	Scaffold157	301988	GG	AA	1940435722
SNP_P1_172057_302061	NW_004515725.1	Scaffold157	302061	GG	TT	1940435723
SNP_P1_172058_303050	NW_004515725.1	Scaffold157	303050	TT	AA	1940435724
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SNP_P1_172060_303081	NW_004515725.1	Scaffold157	303081	AA	TT	1940435726
SNP_P1_172061_303085	NW_004515725.1	Scaffold157	303085	TT	CC	1940435727
SNP_P1_172063_303350	NW_004515725.1	Scaffold157	303350	AA	GG	1940435728
SNP_P1_172064_303395	NW_004515725.1	Scaffold157	303395	CC	TT	1940435729
SNP_P1_172065_303723	NW_004515725.1	Scaffold157	303723	AA	GG	1940435730
SNP_P1_172066_303807	NW_004515725.1	Scaffold157	303807	GG	CC	1940435731
SNP_P1_172067_305497	NW_004515725.1	Scaffold157	305497	AA	GG	1940435732
SNP_P1_172068_305509	NW_004515725.1	Scaffold157	305509	GG	AA	1940435733
SNP_P1_172069_305531	NW_004515725.1	Scaffold157	305531	TT	CC	1940435734
SNP_P1_172070_305557	NW_004515725.1	Scaffold157	305557	GG	TT	1940435735
SNP_P1_172071_305561	NW_004515725.1	Scaffold157	305561	AA	CC	1940435736
SNP_P1_172072_305595	NW_004515725.1	Scaffold157	305595	GG	TT	1940435737
SNP_P1_172073_305602	NW_004515725.1	Scaffold157	305602	AA	GG	1940435738
SNP_P1_172074_305617	NW_004515725.1	Scaffold157	305617	CC	TT	1940435739
SNP_P1_172075_305618	NW_004515725.1	Scaffold157	305618	AA	GG	1940435740
SNP_P1_172076_305623	NW_004515725.1	Scaffold157	305623	TT	GG	1940435741
SNP_P1_172077_305785	NW_004515725.1	Scaffold157	305785	TT	GG	1940435742
SNP_P1_172078_305787	NW_004515725.1	Scaffold157	305787	TT	CC	1940435743
SNP_P1_172079_305804	NW_004515725.1	Scaffold157	305804	AA	GG	1940435744
SNP_P1_172080_305871	NW_004515725.1	Scaffold157	305871	AA	TT	1940435745

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172082_307260	NW_004515725.1	Scaffold157	307260	GG	TT	1940435747
SNP_P1_172083_308255	NW_004515725.1	Scaffold157	308255	TT	CC	1940435748
SNP_P1_172084_308419	NW_004515725.1	Scaffold157	308419	TT	CC	1940435749
SNP_P1_172085_308579	NW_004515725.1	Scaffold157	308579	TT	CC	1940435750
SNP_P1_172086_308590	NW_004515725.1	Scaffold157	308590	GG	TT	1940435751
SNP_P1_172087_308649	NW_004515725.1	Scaffold157	308649	AA	GG	1940435752
SNP_P1_172088_308931	NW_004515725.1	Scaffold157	308931	GG	AA	1940435753
SNP_P1_172090_308976	NW_004515725.1	Scaffold157	308976	TT	CC	1940435754
SNP_P1_172091_309375	NW_004515725.1	Scaffold157	309375	TT	CC	1940435755
SNP_P1_172092_309432	NW_004515725.1	Scaffold157	309432	AA	GG	1940435756
SNP_P1_172095_312379	NW_004515725.1	Scaffold157	312379	AA	CC	1940435757
SNP_P1_172096_312451	NW_004515725.1	Scaffold157	312451	AA	GG	1940435758
SNP_P1_172097_312591	NW_004515725.1	Scaffold157	312591	CC	AA	1940435759
SNP_P1_172098_315587	NW_004515725.1	Scaffold157	315587	AA	GG	1940435760
SNP_P1_172099_315623	NW_004515725.1	Scaffold157	315623	GG	AA	1940435762
SNP_P1_172101_321993	NW_004515725.1	Scaffold157	321993	AA	GG	1940435763
SNP_P1_172102_322809	NW_004515725.1	Scaffold157	322809	AA	CC	1940435764
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SNP_P1_172104_324545	NW_004515725.1	Scaffold157	324545	CC	TT	1940435766
SNP_P1_172105_327202	NW_004515725.1	Scaffold157	327202	CC	AA	1940435767
SNP_P1_172106_327815	NW_004515725.1	Scaffold157	327815	GG	TT	1940435768
SNP_P1_172107_328248	NW_004515725.1	Scaffold157	328248	TT	CC	1940435769
SNP_P1_172109_328323	NW_004515725.1	Scaffold157	328323	CC	AA	1940435770
SNP_P1_172110_328498	NW_004515725.1	Scaffold157	328498	AA	GG	1940435771
SNP_P1_172111_328516	NW_004515725.1	Scaffold157	328516	GG	AA	1940435772
SNP_P1_172112_328657	NW_004515725.1	Scaffold157	328657	GG	AA	1940435773
SNP_P1_172113_328702	NW_004515725.1	Scaffold157	328702	TT	CC	1940435774
SNP_P1_172114_329255	NW_004515725.1	Scaffold157	329255	CC	TT	1940435775
SNP_P1_172115_329263	NW_004515725.1	Scaffold157	329263	AA	GG	1940435776
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SNP_P1_172117_330637	NW_004515725.1	Scaffold157	330637	TT	GG	1940435778
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SNP_P1_172119_330708	NW_004515725.1	Scaffold157	330708	TT	GG	1940435780
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SNP_P1_172125_330993	NW_004515725.1	Scaffold157	330993	AA	GG	1940435786
SNP_P1_172126_331003	NW_004515725.1	Scaffold157	331003	GG	AA	1940435787
SNP_P1_172127_331020	NW_004515725.1	Scaffold157	331020	CC	GG	1940435788

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172132_332789	NW_004515725.1	Scaffold157	332789	CC	TT	1940435792
SNP_P1_172133_332947	NW_004515725.1	Scaffold157	332947	TT	CC	1940435793
SNP_P1_172134_332948	NW_004515725.1	Scaffold157	332948	TT	CC	1940435794
SNP_P1_172135_333002	NW_004515725.1	Scaffold157	333002	GG	AA	1940435795
SNP_P1_172136_333047	NW_004515725.1	Scaffold157	333047	AA	GG	1940435796
SNP_P1_172137_333348	NW_004515725.1	Scaffold157	333348	AA	TT	1940435797
SNP_P1_172138_334646	NW_004515725.1	Scaffold157	334646	CC	TT	1940435798
SNP_P1_172139_334819	NW_004515725.1	Scaffold157	334819	AA	TT	1940435799
SNP_P1_172140_334885	NW_004515725.1	Scaffold157	334885	GG	AA	1940435800
SNP_P1_172143_335628	NW_004515725.1	Scaffold157	335628	AA	GG	1940435801
SNP_P1_172144_335785	NW_004515725.1	Scaffold157	335785	AA	GG	1940435802
SNP_P1_172145_336847	NW_004515725.1	Scaffold157	336847	AA	TT	1940435803
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SNP_P1_172154_339408	NW_004515725.1	Scaffold157	339408	GG	AA	1940435812
SNP_P1_172155_339922	NW_004515725.1	Scaffold157	339922	CC	TT	1940435813
SNP_P1_172156_340571	NW_004515725.1	Scaffold157	340571	AA	GG	1940435814
SNP_P1_172157_340627	NW_004515725.1	Scaffold157	340627	CC	TT	1940435815
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SNP_P1_172160_341697	NW_004515725.1	Scaffold157	341697	GG	TT	1940435818
SNP_P1_172161_341723	NW_004515725.1	Scaffold157	341723	GG	AA	1940435819
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SNP_P1_172163_341747	NW_004515725.1	Scaffold157	341747	TT	CC	1940435821
SNP_P1_172164_341759	NW_004515725.1	Scaffold157	341759	CC	TT	1940435822
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SNP_P1_172167_342125	NW_004515725.1	Scaffold157	342125	CC	TT	1940435825
SNP_P1_172168_342366	NW_004515725.1	Scaffold157	342366	GG	TT	1940435826
SNP_P1_172169_344153	NW_004515725.1	Scaffold157	344153	GG	TT	1940435827
SNP_P1_172171_345564	NW_004515725.1	Scaffold157	345564	GG	CC	1940435828
SNP_P1_172172_345750	NW_004515725.1	Scaffold157	345750	CC	TT	1940435829
SNP_P1_172173_347304	NW_004515725.1	Scaffold157	347304	GG	AA	1940435830

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172176_348118	NW_004515725.1	Scaffold157	348118	GG	AA	1940435833
SNP_P1_172177_348141	NW_004515725.1	Scaffold157	348141	TT	AA	1940435834
SNP_P1_172178_348319	NW_004515725.1	Scaffold157	348319	CC	TT	1940435835
SNP_P1_172179_348464	NW_004515725.1	Scaffold157	348464	TT	AA	1940435836
SNP_P1_172180_348472	NW_004515725.1	Scaffold157	348472	GG	AA	1940435837
SNP_P1_172182_351103	NW_004515725.1	Scaffold157	351103	GG	CC	1940435838
SNP_P1_172183_351869	NW_004515725.1	Scaffold157	351869	GG	CC	1940435839
SNP_P1_172185_352024	NW_004515725.1	Scaffold157	352024	TT	CC	1940435840
SNP_P1_172186_352029	NW_004515725.1	Scaffold157	352029	AA	GG	1940435841
SNP_P1_172187_352030	NW_004515725.1	Scaffold157	352030	TT	GG	1940435842
SNP_P1_172188_352056	NW_004515725.1	Scaffold157	352056	TT	GG	1940435843
SNP_P1_172189_352058	NW_004515725.1	Scaffold157	352058	AA	TT	1940435844
SNP_P1_172190_352079	NW_004515725.1	Scaffold157	352079	GG	AA	1940435845
SNP_P1_172192_352687	NW_004515725.1	Scaffold157	352687	TT	CC	1940435846
SNP_P1_172193_354218	NW_004515725.1	Scaffold157	354218	CC	GG	1940435847
SNP_P1_172194_354221	NW_004515725.1	Scaffold157	354221	AA	TT	1940435848
SNP_P1_172196_354733	NW_004515725.1	Scaffold157	354733	CC	TT	1940435849
SNP_P1_172198_355132	NW_004515725.1	Scaffold157	355132	GG	TT	1940435850
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SNP_P1_172209_359201	NW_004515725.1	Scaffold157	359201	AA	CC	1940435855
SNP_P1_172210_359210	NW_004515725.1	Scaffold157	359210	TT	CC	1940435856
SNP_P1_172211_359229	NW_004515725.1	Scaffold157	359229	CC	TT	1940435857
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SNP_P1_172213_359402	NW_004515725.1	Scaffold157	359402	AA	TT	1940435859
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SNP_P1_172215_359510	NW_004515725.1	Scaffold157	359510	TT	AA	1940435861
SNP_P1_172216_359520	NW_004515725.1	Scaffold157	359520	CC	AA	1940435862
SNP_P1_172218_359709	NW_004515725.1	Scaffold157	359709	AA	TT	1940435863
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SNP_P1_172220_359771	NW_004515725.1	Scaffold157	359771	TT	CC	1940435865
SNP_P1_172221_359810	NW_004515725.1	Scaffold157	359810	TT	CC	1940435866
SNP_P1_172222_359812	NW_004515725.1	Scaffold157	359812	GG	AA	1940435867
SNP_P1_172223_359828	NW_004515725.1	Scaffold157	359828	AA	CC	1940435868
SNP_P1_172224_360498	NW_004515725.1	Scaffold157	360498	GG	CC	1940435869
SNP_P1_172225_377760	NW_004515725.1	Scaffold157	377760	GG	AA	1940435870
SNP_P1_172227_377868	NW_004515725.1	Scaffold157	377868	AA	GG	1940435871
SNP_P1_172228_377874	NW_004515725.1	Scaffold157	377874	AA	GG	1940435872

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172231_399177	NW_004515725.1	Scaffold157	399177	GG	AA	1940435874
SNP_P1_172232_399214	NW_004515725.1	Scaffold157	399214	AA	GG	1940435875
SNP_P1_172233_399953	NW_004515725.1	Scaffold157	399953	TT	CC	1940435876
SNP_P1_172234_403091	NW_004515725.1	Scaffold157	403091	AA	CC	1940435877
SNP_P1_172235_406753	NW_004515725.1	Scaffold157	406753	GG	TT	1940435878
SNP_P1_172236_410071	NW_004515725.1	Scaffold157	410071	CC	TT	1940435879
SNP_P1_172237_422778	NW_004515725.1	Scaffold157	422778	TT	CC	1940435880
SNP_P1_172238_459739	NW_004515725.1	Scaffold157	459739	AA	TT	1940435881
SNP_P1_172239_459740	NW_004515725.1	Scaffold157	459740	CC	AA	1940435882
SNP_P1_172240_459953	NW_004515725.1	Scaffold157	459953	TT	CC	1940435883
SNP_P1_172241_460044	NW_004515725.1	Scaffold157	460044	GG	AA	1940435884
SNP_P1_172242_460069	NW_004515725.1	Scaffold157	460069	AA	GG	1940435885
SNP_P1_172243_460075	NW_004515725.1	Scaffold157	460075	CC	AA	1940435886
SNP_P1_172244_465452	NW_004515725.1	Scaffold157	465452	GG	AA	1940435887
SNP_P1_172245_474408	NW_004515725.1	Scaffold157	474408	AA	TT	1940435888
SNP_P1_172246_474409	NW_004515725.1	Scaffold157	474409	AA	TT	1940435889
SNP_P1_172247_477341	NW_004515725.1	Scaffold157	477341	TT	AA	1940435890
SNP_P1_172248_478455	NW_004515725.1	Scaffold157	478455	AA	GG	1940435891
SNP_P1_172249_490882	NW_004515725.1	Scaffold157	490882	CC	TT	1940435892
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SNP_P1_172257_10732	NW_004515726.1	Scaffold158	10732	GG	AA	1940435900
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SNP_P1_172260_27166	NW_004515726.1	Scaffold158	27166	CC	AA	1940435904
SNP_P1_172261_27189	NW_004515726.1	Scaffold158	27189	CC	TT	1940435905
SNP_P1_172262_27203	NW_004515726.1	Scaffold158	27203	GG	TT	1940435906
SNP_P1_172263_36625	NW_004515726.1	Scaffold158	36625	TT	AA	1940435907
SNP_P1_172264_36630	NW_004515726.1	Scaffold158	36630	GG	AA	1940435908
SNP_P1_172265_53008	NW_004515726.1	Scaffold158	53008	CC	TT	1940435909
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SNP_P1_172270_76162	NW_004515726.1	Scaffold158	76162	TT	AA	1940435914
SNP_P1_172271_80096	NW_004515726.1	Scaffold158	80096	GG	CC	1940435915

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172274_121931	NW_004515726.1	Scaffold158	121931	GG	TT	1940435918
SNP_P1_172275_121958	NW_004515726.1	Scaffold158	121958	CC	TT	1940435919
SNP_P1_172276_121978	NW_004515726.1	Scaffold158	121978	AA	CC	1940435920
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SNP_P1_172278_131630	NW_004515726.1	Scaffold158	131630	GG	AA	1940435922
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SNP_P1_172284_131797	NW_004515726.1	Scaffold158	131797	TT	CC	1940435927
SNP_P1_172285_131953	NW_004515726.1	Scaffold158	131953	AA	TT	1940435928
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SNP_P1_172288_132160	NW_004515726.1	Scaffold158	132160	TT	CC	1940435930
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SNP_P1_172298_2450	NW_004515728.1	Scaffold166	2450	AA	GG	1940435939
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SNP_P1_172305_60919	NW_004515728.1	Scaffold166	60919	TT	CC	1940435945
SNP_P1_172306_60922	NW_004515728.1	Scaffold166	60922	GG	AA	1940435946
SNP_P1_172307_60948	NW_004515728.1	Scaffold166	60948	GG	AA	1940435947
SNP_P1_172308_60983	NW_004515728.1	Scaffold166	60983	CC	TT	1940435948
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SNP_P1_172310_82563	NW_004515728.1	Scaffold166	82563	AA	GG	1940435950
SNP_P1_172311_85431	NW_004515728.1	Scaffold166	85431	AA	TT	1940435951
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SNP_P1_172313_89280	NW_004515728.1	Scaffold166	89280	GG	AA	1940435953
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SNP_P1_172315_98701	NW_004515728.1	Scaffold166	98701	GG	AA	1940435955
SNP_P1_172316_98781	NW_004515728.1	Scaffold166	98781	TT	GG	1940435956
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172321_146496	NW_004515728.1	Scaffold166	146496	AA	GG	1940435960
SNP_P1_172323_166926	NW_004515728.1	Scaffold166	166926	CC	GG	1940435961
SNP_P1_172324_166954	NW_004515728.1	Scaffold166	166954	CC	TT	1940435962
SNP_P1_172325_166988	NW_004515728.1	Scaffold166	166988	GG	TT	1940435963
SNP_P1_172326_168999	NW_004515728.1	Scaffold166	168999	AA	GG	1940435964
SNP_P1_172327_169004	NW_004515728.1	Scaffold166	169004	TT	CC	1940435965
SNP_P1_172331_175385	NW_004515728.1	Scaffold166	175385	AA	TT	1940435966
SNP_P1_172332_189245	NW_004515728.1	Scaffold166	189245	AA	GG	1940435967
SNP_P1_172333_193787	NW_004515728.1	Scaffold166	193787	CC	TT	1940435968
SNP_P1_172334_196625	NW_004515728.1	Scaffold166	196625	TT	GG	1940435969
SNP_P1_172335_196657	NW_004515728.1	Scaffold166	196657	AA	CC	1940435970
SNP_P1_172336_196836	NW_004515728.1	Scaffold166	196836	TT	GG	1940435971
SNP_P1_172337_196891	NW_004515728.1	Scaffold166	196891	CC	GG	1940435972
SNP_P1_172338_196945	NW_004515728.1	Scaffold166	196945	CC	GG	1940435973
SNP_P1_172339_199587	NW_004515728.1	Scaffold166	199587	TT	CC	1940435974
SNP_P1_172340_199612	NW_004515728.1	Scaffold166	199612	CC	TT	1940435975
SNP_P1_172341_199898	NW_004515728.1	Scaffold166	199898	AA	GG	1940435976
SNP_P1_172342_210349	NW_004515728.1	Scaffold166	210349	AA	GG	1940435977
SNP_P1_172343_211508	NW_004515728.1	Scaffold166	211508	CC	TT	1940435978
SNP_P1_172344_226882	NW_004515728.1	Scaffold166	226882	AA	GG	1940435979
SNP_P1_172345_226968	NW_004515728.1	Scaffold166	226968	AA	GG	1940435980
SNP_P1_172346_227058	NW_004515728.1	Scaffold166	227058	AA	GG	1940435981
SNP_P1_172347_227286	NW_004515728.1	Scaffold166	227286	CC	TT	1940435982
SNP_P1_172348_227305	NW_004515728.1	Scaffold166	227305	GG	TT	1940435983
SNP_P1_172350_227643	NW_004515728.1	Scaffold166	227643	CC	TT	1940435984
SNP_P1_172351_232759	NW_004515728.1	Scaffold166	232759	AA	TT	1940435985
SNP_P1_172352_232765	NW_004515728.1	Scaffold166	232765	TT	CC	1940435986
SNP_P1_172353_232774	NW_004515728.1	Scaffold166	232774	CC	TT	1940435987
SNP_P1_172354_232787	NW_004515728.1	Scaffold166	232787	AA	CC	1940435988
SNP_P1_172355_232944	NW_004515728.1	Scaffold166	232944	TT	CC	1940435989
SNP_P1_172356_232952	NW_004515728.1	Scaffold166	232952	AA	GG	1940435990
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SNP_P1_172358_236599	NW_004515728.1	Scaffold166	236599	TT	CC	1940435992
SNP_P1_172359_239864	NW_004515728.1	Scaffold166	239864	TT	AA	1940435993
SNP_P1_172360_239872	NW_004515728.1	Scaffold166	239872	GG	TT	1940435994
SNP_P1_172362_253786	NW_004515728.1	Scaffold166	253786	CC	TT	1940435995
SNP_P1_172363_253788	NW_004515728.1	Scaffold166	253788	TT	CC	1940435996
SNP_P1_172364_261322	NW_004515728.1	Scaffold166	261322	GG	TT	1940435997
SNP_P1_172365_261332	NW_004515728.1	Scaffold166	261332	GG	AA	1940435998
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172369_262647	NW_004515728.1	Scaffold166	262647	GG	CC	1940436002
SNP_P1_172370_266490	NW_004515728.1	Scaffold166	266490	AA	TT	1940436003
SNP_P1_172371_277424	NW_004515728.1	Scaffold166	277424	GG	AA	1940436004
SNP_P1_172372_277778	NW_004515728.1	Scaffold166	277778	TT	CC	1940436005
SNP_P1_172373_286860	NW_004515728.1	Scaffold166	286860	CC	AA	1940436006
SNP_P1_172374_294362	NW_004515728.1	Scaffold166	294362	TT	GG	1940436007
SNP_P1_172375_294469	NW_004515728.1	Scaffold166	294469	GG	AA	1940436008
SNP_P1_172376_294479	NW_004515728.1	Scaffold166	294479	CC	TT	1940436009
SNP_P1_172377_298924	NW_004515728.1	Scaffold166	298924	GG	TT	1940436010
SNP_P1_172378_298945	NW_004515728.1	Scaffold166	298945	TT	CC	1940436011
SNP_P1_172379_298972	NW_004515728.1	Scaffold166	298972	GG	TT	1940436012
SNP_P1_172380_298980	NW_004515728.1	Scaffold166	298980	TT	GG	1940436013
SNP_P1_172381_299005	NW_004515728.1	Scaffold166	299005	CC	TT	1940436014
SNP_P1_172382_299022	NW_004515728.1	Scaffold166	299022	TT	CC	1940436015
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SNP_P1_172389_299330	NW_004515728.1	Scaffold166	299330	TT	CC	1940436022
SNP_P1_172390_299340	NW_004515728.1	Scaffold166	299340	TT	GG	1940436023
SNP_P1_172391_299351	NW_004515728.1	Scaffold166	299351	TT	CC	1940436024
SNP_P1_172392_373	NW_004515729.1	Scaffold167	373	GG	TT	1940436025
SNP_P1_172393_388	NW_004515729.1	Scaffold167	388	GG	CC	1940436026
SNP_P1_172394_5853	NW_004515729.1	Scaffold167	5853	TT	AA	1940436027
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SNP_P1_172403_14336	NW_004515729.1	Scaffold167	14336	GG	AA	1940436034
SNP_P1_172404_18948	NW_004515729.1	Scaffold167	18948	CC	TT	1940436035
SNP_P1_172405_24809	NW_004515729.1	Scaffold167	24809	CC	TT	1940436036
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SNP_P1_172408_38571	NW_004515729.1	Scaffold167	38571	TT	GG	1940436038
SNP_P1_172409_38630	NW_004515729.1	Scaffold167	38630	GG	AA	1940436039
SNP_P1_172410_38705	NW_004515729.1	Scaffold167	38705	TT	CC	1940436040
SNP_P1_172411_38766	NW_004515729.1	Scaffold167	38766	GG	CC	1940436041

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172414_38986	NW_004515729.1	Scaffold167	38986	CC	TT	1940436045
SNP_P1_172415_39032	NW_004515729.1	Scaffold167	39032	TT	GG	1940436046
SNP_P1_172416_39159	NW_004515729.1	Scaffold167	39159	GG	AA	1940436047
SNP_P1_172417_39197	NW_004515729.1	Scaffold167	39197	TT	GG	1940436048
SNP_P1_172418_39229	NW_004515729.1	Scaffold167	39229	TT	AA	1940436049
SNP_P1_172419_39252	NW_004515729.1	Scaffold167	39252	TT	GG	1940436050
SNP_P1_172420_54210	NW_004515729.1	Scaffold167	54210	CC	TT	1940436051
SNP_P1_172421_63039	NW_004515729.1	Scaffold167	63039	GG	CC	1940436052
SNP_P1_172422_63075	NW_004515729.1	Scaffold167	63075	AA	GG	1940436053
SNP_P1_172425_67993	NW_004515729.1	Scaffold167	67993	AA	TT	1940436054
SNP_P1_172426_68029	NW_004515729.1	Scaffold167	68029	GG	TT	1940436055
SNP_P1_172427_68147	NW_004515729.1	Scaffold167	68147	CC	TT	1940436056
SNP_P1_172428_68200	NW_004515729.1	Scaffold167	68200	GG	AA	1940436057
SNP_P1_172429_68285	NW_004515729.1	Scaffold167	68285	GG	AA	1940436058
SNP_P1_172430_68315	NW_004515729.1	Scaffold167	68315	GG	AA	1940436059
SNP_P1_172431_68352	NW_004515729.1	Scaffold167	68352	CC	TT	1940436060
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SNP_P1_172435_68440	NW_004515729.1	Scaffold167	68440	TT	CC	1940436063
SNP_P1_172436_68453	NW_004515729.1	Scaffold167	68453	GG	CC	1940436064
SNP_P1_172437_77849	NW_004515729.1	Scaffold167	77849	TT	CC	1940436065
SNP_P1_172438_77852	NW_004515729.1	Scaffold167	77852	TT	CC	1940436066
SNP_P1_172439_77854	NW_004515729.1	Scaffold167	77854	GG	AA	1940436067
SNP_P1_172440_77855	NW_004515729.1	Scaffold167	77855	CC	AA	1940436068
SNP_P1_172441_83250	NW_004515729.1	Scaffold167	83250	CC	TT	1940436069
SNP_P1_172442_84153	NW_004515729.1	Scaffold167	84153	CC	AA	1940436070
SNP_P1_172443_84374	NW_004515729.1	Scaffold167	84374	TT	AA	1940436071
SNP_P1_172444_137534	NW_004515729.1	Scaffold167	137534	GG	AA	1940436072
SNP_P1_172445_137552	NW_004515729.1	Scaffold167	137552	AA	TT	1940436073
SNP_P1_172446_137568	NW_004515729.1	Scaffold167	137568	GG	TT	1940436074
SNP_P1_172447_152096	NW_004515729.1	Scaffold167	152096	GG	AA	1940436075
SNP_P1_172448_153211	NW_004515729.1	Scaffold167	153211	TT	CC	1940436076
SNP_P1_172450_159564	NW_004515729.1	Scaffold167	159564	CC	TT	1940436077
SNP_P1_172451_168908	NW_004515729.1	Scaffold167	168908	AA	CC	1940436078
SNP_P1_172452_202129	NW_004515729.1	Scaffold167	202129	TT	CC	1940436079
SNP_P1_172453_208350	NW_004515729.1	Scaffold167	208350	TT	CC	1940436080
SNP_P1_172454_213509	NW_004515729.1	Scaffold167	213509	AA	GG	1940436081
SNP_P1_172455_217802	NW_004515729.1	Scaffold167	217802	AA	CC	1940436082
SNP_P1_172456_217816	NW_004515729.1	Scaffold167	217816	TT	GG	1940436083
SNP_P1_172457_217837	NW_004515729.1	Scaffold167	217837	AA	GG	1940436084

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172460_217983	NW_004515729.1	Scaffold167	217983	AA	GG	1940436087
SNP_P1_172463_219289	NW_004515729.1	Scaffold167	219289	AA	GG	1940436088
SNP_P1_172465_219319	NW_004515729.1	Scaffold167	219319	GG	AA	1940436089
SNP_P1_172466_219332	NW_004515729.1	Scaffold167	219332	TT	AA	1940436090
SNP_P1_172467_219384	NW_004515729.1	Scaffold167	219384	AA	GG	1940436091
SNP_P1_172468_219597	NW_004515729.1	Scaffold167	219597	TT	CC	1940436092
SNP_P1_172469_219813	NW_004515729.1	Scaffold167	219813	CC	TT	1940436093
SNP_P1_172470_219851	NW_004515729.1	Scaffold167	219851	AA	GG	1940436094
SNP_P1_172471_219860	NW_004515729.1	Scaffold167	219860	CC	TT	1940436095
SNP_P1_172472_219980	NW_004515729.1	Scaffold167	219980	AA	GG	1940436096
SNP_P1_172473_219985	NW_004515729.1	Scaffold167	219985	AA	GG	1940436097
SNP_P1_172474_219992	NW_004515729.1	Scaffold167	219992	AA	GG	1940436098
SNP_P1_172475_220003	NW_004515729.1	Scaffold167	220003	AA	GG	1940436099
SNP_P1_172476_220056	NW_004515729.1	Scaffold167	220056	CC	AA	1940436100
SNP_P1_172477_220059	NW_004515729.1	Scaffold167	220059	CC	GG	1940436101
SNP_P1_172478_220063	NW_004515729.1	Scaffold167	220063	CC	TT	1940436102
SNP_P1_172479_220072	NW_004515729.1	Scaffold167	220072	TT	CC	1940436103
SNP_P1_172480_220191	NW_004515729.1	Scaffold167	220191	AA	GG	1940436104
SNP_P1_172481_220208	NW_004515729.1	Scaffold167	220208	CC	AA	1940436105
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SNP_P1_172483_220301	NW_004515729.1	Scaffold167	220301	AA	CC	1940436107
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SNP_P1_172486_220391	NW_004515729.1	Scaffold167	220391	TT	CC	1940436110
SNP_P1_172487_220397	NW_004515729.1	Scaffold167	220397	AA	GG	1940436111
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SNP_P1_172490_222586	NW_004515729.1	Scaffold167	222586	GG	AA	1940436114
SNP_P1_172491_222648	NW_004515729.1	Scaffold167	222648	GG	AA	1940436115
SNP_P1_172492_222718	NW_004515729.1	Scaffold167	222718	CC	TT	1940436116
SNP_P1_172493_222734	NW_004515729.1	Scaffold167	222734	AA	GG	1940436117
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SNP_P1_172501_298616	NW_004515729.1	Scaffold167	298616	AA	GG	1940436123
SNP_P1_172502_303081	NW_004515729.1	Scaffold167	303081	TT	CC	1940436124
SNP_P1_172503_303097	NW_004515729.1	Scaffold167	303097	AA	GG	1940436125
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172506_303143	NW_004515729.1	Scaffold167	303143	TT	CC	1940436128
SNP_P1_172507_303181	NW_004515729.1	Scaffold167	303181	CC	TT	1940436129
SNP_P1_172508_303194	NW_004515729.1	Scaffold167	303194	CC	TT	1940436130
SNP_P1_172509_303222	NW_004515729.1	Scaffold167	303222	GG	TT	1940436131
SNP_P1_172510_303286	NW_004515729.1	Scaffold167	303286	AA	GG	1940436132
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SNP_P1_172514_303553	NW_004515729.1	Scaffold167	303553	AA	GG	1940436136
SNP_P1_172515_303898	NW_004515729.1	Scaffold167	303898	TT	GG	1940436137
SNP_P1_172516_303925	NW_004515729.1	Scaffold167	303925	TT	GG	1940436138
SNP_P1_172517_305139	NW_004515729.1	Scaffold167	305139	TT	GG	1940436139
SNP_P1_172518_318283	NW_004515729.1	Scaffold167	318283	AA	GG	1940436140
SNP_P1_172519_318453	NW_004515729.1	Scaffold167	318453	AA	GG	1940436141
SNP_P1_172520_318462	NW_004515729.1	Scaffold167	318462	CC	GG	1940436142
SNP_P1_172521_318470	NW_004515729.1	Scaffold167	318470	TT	AA	1940436143
SNP_P1_172522_318645	NW_004515729.1	Scaffold167	318645	GG	TT	1940436144
SNP_P1_172523_318652	NW_004515729.1	Scaffold167	318652	AA	GG	1940436145
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SNP_P1_172534_322859	NW_004515729.1	Scaffold167	322859	TT	AA	1940436156
SNP_P1_172536_323321	NW_004515729.1	Scaffold167	323321	CC	AA	1940436157
SNP_P1_172537_331993	NW_004515729.1	Scaffold167	331993	CC	TT	1940436158
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SNP_P1_172539_332068	NW_004515729.1	Scaffold167	332068	AA	GG	1940436160
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SNP_P1_172541_332306	NW_004515729.1	Scaffold167	332306	TT	AA	1940436162
SNP_P1_172542_332321	NW_004515729.1	Scaffold167	332321	AA	GG	1940436163
SNP_P1_172543_332347	NW_004515729.1	Scaffold167	332347	AA	TT	1940436164
SNP_P1_172544_332358	NW_004515729.1	Scaffold167	332358	GG	AA	1940436165
SNP_P1_172546_343167	NW_004515729.1	Scaffold167	343167	TT	CC	1940436166
SNP_P1_172547_347610	NW_004515729.1	Scaffold167	347610	GG	AA	1940436167
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172552_403222	NW_004515729.1	Scaffold167	403222	AA	CC	1940436171
SNP_P1_172553_403224	NW_004515729.1	Scaffold167	403224	TT	AA	1940436172
SNP_P1_172554_404304	NW_004515729.1	Scaffold167	404304	GG	AA	1940436173
SNP_P1_172555_415237	NW_004515729.1	Scaffold167	415237	GG	TT	1940436174
SNP_P1_172556_415550	NW_004515729.1	Scaffold167	415550	AA	TT	1940436175
SNP_P1_172557_436286	NW_004515729.1	Scaffold167	436286	CC	AA	1940436176
SNP_P1_172558_447299	NW_004515729.1	Scaffold167	447299	TT	CC	1940436177
SNP_P1_172559_449656	NW_004515729.1	Scaffold167	449656	CC	TT	1940436178
SNP_P1_172561_459551	NW_004515729.1	Scaffold167	459551	AA	TT	1940436179
SNP_P1_172562_459552	NW_004515729.1	Scaffold167	459552	GG	TT	1940436180
SNP_P1_172563_467591	NW_004515729.1	Scaffold167	467591	TT	CC	1940436181
SNP_P1_172564_13068	NW_004515730.1	Scaffold170	13068	GG	TT	1940436182
SNP_P1_172565_13307	NW_004515730.1	Scaffold170	13307	CC	TT	1940436183
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SNP_P1_172575_13779	NW_004515730.1	Scaffold170	13779	AA	GG	1940436194
SNP_P1_172576_13838	NW_004515730.1	Scaffold170	13838	AA	GG	1940436195
SNP_P1_172577_8108	NW_004515731.1	Scaffold171	8108	CC	AA	1940436196
SNP_P1_172578_8159	NW_004515731.1	Scaffold171	8159	TT	CC	1940436197
SNP_P1_172579_8175	NW_004515731.1	Scaffold171	8175	AA	TT	1940436198
SNP_P1_172580_8198	NW_004515731.1	Scaffold171	8198	AA	CC	1940436199
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SNP_P1_172590_17925	NW_004515731.1	Scaffold171	17925	CC	TT	1940436209
SNP_P1_172591_18135	NW_004515731.1	Scaffold171	18135	TT	GG	1940436210
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172597_26486	NW_004515731.1	Scaffold171	26486	AA	CC	1940436216
SNP_P1_172598_26497	NW_004515731.1	Scaffold171	26497	AA	CC	1940436217
SNP_P1_172599_26523	NW_004515731.1	Scaffold171	26523	TT	GG	1940436218
SNP_P1_172600_26670	NW_004515731.1	Scaffold171	26670	GG	AA	1940436219
SNP_P1_172601_26692	NW_004515731.1	Scaffold171	26692	GG	AA	1940436220
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SNP_P1_172603_29128	NW_004515731.1	Scaffold171	29128	TT	CC	1940436222
SNP_P1_172604_30618	NW_004515731.1	Scaffold171	30618	AA	CC	1940436223
SNP_P1_172605_36906	NW_004515731.1	Scaffold171	36906	AA	GG	1940436224
SNP_P1_172606_36919	NW_004515731.1	Scaffold171	36919	CC	TT	1940436225
SNP_P1_172607_37139	NW_004515731.1	Scaffold171	37139	AA	CC	1940436226
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SNP_P1_172619_57337	NW_004515731.1	Scaffold171	57337	CC	TT	1940436237
SNP_P1_172620_57525	NW_004515731.1	Scaffold171	57525	TT	AA	1940436238
SNP_P1_172621_57614	NW_004515731.1	Scaffold171	57614	CC	TT	1940436239
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SNP_P1_172631_107007	NW_004515731.1	Scaffold171	107007	CC	GG	1940436249
SNP_P1_172632_107094	NW_004515731.1	Scaffold171	107094	AA	CC	1940436250
SNP_P1_172633_107215	NW_004515731.1	Scaffold171	107215	CC	TT	1940436251
SNP_P1_172634_107342	NW_004515731.1	Scaffold171	107342	TT	CC	1940436252
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172641_117095	NW_004515731.1	Scaffold171	117095	CC	TT	1940436256
SNP_P1_172642_118230	NW_004515731.1	Scaffold171	118230	AA	GG	1940436257
SNP_P1_172644_121603	NW_004515731.1	Scaffold171	121603	GG	CC	1940436258
SNP_P1_172645_121627	NW_004515731.1	Scaffold171	121627	TT	CC	1940436259
SNP_P1_172646_121647	NW_004515731.1	Scaffold171	121647	AA	GG	1940436260
SNP_P1_172647_121851	NW_004515731.1	Scaffold171	121851	GG	AA	1940436261
SNP_P1_172648_122040	NW_004515731.1	Scaffold171	122040	TT	CC	1940436262
SNP_P1_172649_125640	NW_004515731.1	Scaffold171	125640	CC	TT	1940436263
SNP_P1_172650_125857	NW_004515731.1	Scaffold171	125857	TT	CC	1940436264
SNP_P1_172651_130074	NW_004515731.1	Scaffold171	130074	TT	GG	1940436265
SNP_P1_172652_130088	NW_004515731.1	Scaffold171	130088	GG	TT	1940436266
SNP_P1_172653_130103	NW_004515731.1	Scaffold171	130103	GG	AA	1940436267
SNP_P1_172654_130107	NW_004515731.1	Scaffold171	130107	AA	TT	1940436268
SNP_P1_172655_130118	NW_004515731.1	Scaffold171	130118	TT	CC	1940436269
SNP_P1_172656_130161	NW_004515731.1	Scaffold171	130161	AA	GG	1940436270
SNP_P1_172657_130231	NW_004515731.1	Scaffold171	130231	TT	CC	1940436271
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SNP_P1_172662_130458	NW_004515731.1	Scaffold171	130458	CC	GG	1940436275
SNP_P1_172663_133222	NW_004515731.1	Scaffold171	133222	AA	CC	1940436276
SNP_P1_172664_135077	NW_004515731.1	Scaffold171	135077	TT	AA	1940436277
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SNP_P1_172667_136161	NW_004515731.1	Scaffold171	136161	AA	GG	1940436280
SNP_P1_172668_136817	NW_004515731.1	Scaffold171	136817	AA	GG	1940436281
SNP_P1_172669_137071	NW_004515731.1	Scaffold171	137071	CC	AA	1940436282
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SNP_P1_172671_137131	NW_004515731.1	Scaffold171	137131	TT	CC	1940436284
SNP_P1_172672_137153	NW_004515731.1	Scaffold171	137153	AA	GG	1940436285
SNP_P1_172673_137196	NW_004515731.1	Scaffold171	137196	AA	CC	1940436286
SNP_P1_172674_141631	NW_004515731.1	Scaffold171	141631	AA	GG	1940436287
SNP_P1_172675_144598	NW_004515731.1	Scaffold171	144598	AA	GG	1940436288
SNP_P1_172676_145414	NW_004515731.1	Scaffold171	145414	GG	AA	1940436289
SNP_P1_172679_150430	NW_004515731.1	Scaffold171	150430	CC	GG	1940436290
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SNP_P1_172681_151083	NW_004515731.1	Scaffold171	151083	CC	AA	1940436292
SNP_P1_172682_151388	NW_004515731.1	Scaffold171	151388	GG	AA	1940436293
SNP_P1_172683_151733	NW_004515731.1	Scaffold171	151733	GG	AA	1940436294
SNP_P1_172684_159656	NW_004515731.1	Scaffold171	159656	CC	AA	1940436295

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172687_168650	NW_004515731.1	Scaffold171	168650	TT	CC	1940436298
SNP_P1_172688_176083	NW_004515731.1	Scaffold171	176083	AA	GG	1940436299
SNP_P1_172689_176373	NW_004515731.1	Scaffold171	176373	GG	AA	1940436300
SNP_P1_172691_182602	NW_004515731.1	Scaffold171	182602	TT	AA	1940436301
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SNP_P1_172693_182699	NW_004515731.1	Scaffold171	182699	TT	CC	1940436303
SNP_P1_172694_184539	NW_004515731.1	Scaffold171	184539	GG	CC	1940436304
SNP_P1_172695_188612	NW_004515731.1	Scaffold171	188612	TT	AA	1940436305
SNP_P1_172696_189184	NW_004515731.1	Scaffold171	189184	TT	CC	1940436306
SNP_P1_172697_189871	NW_004515731.1	Scaffold171	189871	GG	AA	1940436307
SNP_P1_172698_190168	NW_004515731.1	Scaffold171	190168	CC	AA	1940436308
SNP_P1_172700_190809	NW_004515731.1	Scaffold171	190809	CC	TT	1940436309
SNP_P1_172701_192974	NW_004515731.1	Scaffold171	192974	AA	CC	1940436310
SNP_P1_172702_193699	NW_004515731.1	Scaffold171	193699	TT	CC	1940436311
SNP_P1_172704_198332	NW_004515731.1	Scaffold171	198332	AA	GG	1940436312
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SNP_P1_172708_201665	NW_004515731.1	Scaffold171	201665	TT	CC	1940436316
SNP_P1_172709_201698	NW_004515731.1	Scaffold171	201698	CC	TT	1940436317
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SNP_P1_172725_227618	NW_004515731.1	Scaffold171	227618	CC	TT	1940436333
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SNP_P1_172727_234366	NW_004515731.1	Scaffold171	234366	AA	CC	1940436335
SNP_P1_172728_243167	NW_004515731.1	Scaffold171	243167	TT	CC	1940436336
SNP_P1_172729_243225	NW_004515731.1	Scaffold171	243225	GG	AA	1940436337
SNP_P1_172730_1802	NW_004515733.1	Scaffold174	1802	GG	AA	1940436338

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172733_4042	NW_004515733.1	Scaffold174	4042	AA	GG	1940436341
SNP_P1_172734_5210	NW_004515733.1	Scaffold174	5210	CC	AA	1940436342
SNP_P1_172735_7097	NW_004515733.1	Scaffold174	7097	TT	CC	1940436343
SNP_P1_172736_8849	NW_004515733.1	Scaffold174	8849	TT	GG	1940436344
SNP_P1_172737_11220	NW_004515733.1	Scaffold174	11220	CC	TT	1940436345
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SNP_P1_172739_12119	NW_004515733.1	Scaffold174	12119	CC	TT	1940436347
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SNP_P1_172741_13480	NW_004515733.1	Scaffold174	13480	AA	GG	1940436349
SNP_P1_172742_13492	NW_004515733.1	Scaffold174	13492	CC	TT	1940436350
SNP_P1_172743_13514	NW_004515733.1	Scaffold174	13514	TT	CC	1940436351
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SNP_P1_172747_15154	NW_004515733.1	Scaffold174	15154	AA	GG	1940436355
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SNP_P1_172758_40631	NW_004515733.1	Scaffold174	40631	AA	GG	1940436363
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SNP_P1_172775_89945	NW_004515733.1	Scaffold174	89945	TT	AA	1940436378
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SNP_P1_172778_90051	NW_004515733.1	Scaffold174	90051	AA	GG	1940436380

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_172779_90107	NW_004515733.1	Scaffold174	90107	AA	TT	1940436381
SNP_P1_172780_90169	NW_004515733.1	Scaffold174	90169	TT	AA	1940436382
SNP_P1_172781_90187	NW_004515733.1	Scaffold174	90187	AA	TT	1940436383
SNP_P1_172782_90416	NW_004515733.1	Scaffold174	90416	AA	GG	1940436384
SNP_P1_172783_90478	NW_004515733.1	Scaffold174	90478	TT	AA	1940436385
SNP_P1_172784_90531	NW_004515733.1	Scaffold174	90531	TT	CC	1940436386
SNP_P1_172785_99549	NW_004515733.1	Scaffold174	99549	TT	CC	1940436387
SNP_P1_172786_104818	NW_004515733.1	Scaffold174	104818	GG	AA	1940436388
SNP_P1_172787_105120	NW_004515733.1	Scaffold174	105120	AA	CC	1940436389
SNP_P1_172788_106228	NW_004515733.1	Scaffold174	106228	TT	CC	1940436390
SNP_P1_172789_110487	NW_004515733.1	Scaffold174	110487	TT	GG	1940436391
SNP_P1_172791_111251	NW_004515733.1	Scaffold174	111251	AA	GG	1940436392
SNP_P1_172794_121612	NW_004515733.1	Scaffold174	121612	AA	CC	1940436393
SNP_P1_172795_124582	NW_004515733.1	Scaffold174	124582	AA	TT	1940436394
SNP_P1_172796_126416	NW_004515733.1	Scaffold174	126416	CC	TT	1940436395
SNP_P1_172797_126517	NW_004515733.1	Scaffold174	126517	TT	GG	1940436396
SNP_P1_172799_130395	NW_004515733.1	Scaffold174	130395	CC	TT	1940436397
SNP_P1_172800_131295	NW_004515733.1	Scaffold174	131295	AA	CC	1940436398
SNP_P1_172801_133708	NW_004515733.1	Scaffold174	133708	GG	TT	1940436399
SNP_P1_172802_134479	NW_004515733.1	Scaffold174	134479	CC	GG	1940436400
SNP_P1_172804_136875	NW_004515733.1	Scaffold174	136875	TT	CC	1940436401
SNP_P1_172806_142242	NW_004515733.1	Scaffold174	142242	AA	GG	1940436402
SNP_P1_172807_142505	NW_004515733.1	Scaffold174	142505	GG	AA	1940436403
SNP_P1_172808_142723	NW_004515733.1	Scaffold174	142723	CC	TT	1940436404
SNP_P1_172809_143565	NW_004515733.1	Scaffold174	143565	AA	GG	1940436405
SNP_P1_172810_150234	NW_004515733.1	Scaffold174	150234	TT	GG	1940436406
SNP_P1_172811_151880	NW_004515733.1	Scaffold174	151880	AA	GG	1940436407
SNP_P1_172812_151961	NW_004515733.1	Scaffold174	151961	CC	AA	1940436408
SNP_P1_172813_153646	NW_004515733.1	Scaffold174	153646	TT	CC	1940436409
SNP_P1_172814_154632	NW_004515733.1	Scaffold174	154632	TT	AA	1940436410
SNP_P1_172815_155493	NW_004515733.1	Scaffold174	155493	AA	CC	1940436411
SNP_P1_172816_157856	NW_004515733.1	Scaffold174	157856	TT	CC	1940436412
SNP_P1_172818_160744	NW_004515733.1	Scaffold174	160744	TT	AA	1940436413
SNP_P1_172819_160750	NW_004515733.1	Scaffold174	160750	TT	AA	1940436414
SNP_P1_172820_160751	NW_004515733.1	Scaffold174	160751	TT	AA	1940436415
SNP_P1_172821_161828	NW_004515733.1	Scaffold174	161828	AA	TT	1940436416
SNP_P1_172822_165203	NW_004515733.1	Scaffold174	165203	CC	TT	1940436417
SNP_P1_172823_167147	NW_004515733.1	Scaffold174	167147	GG	TT	1940436418
SNP_P1_172824_167603	NW_004515733.1	Scaffold174	167603	AA	TT	1940436419
SNP_P1_172825_168774	NW_004515733.1	Scaffold174	168774	TT	CC	1940436420
SNP_P1_172827_171097	NW_004515733.1	Scaffold174	171097	CC	GG	1940436421
SNP_P1_172828_173838	NW_004515733.1	Scaffold174	173838	TT	GG	1940436422

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172830_174628	NW_004515733.1	Scaffold174	174628	TT	GG	1940436424
SNP_P1_172831_174634	NW_004515733.1	Scaffold174	174634	TT	GG	1940436425
SNP_P1_172832_178551	NW_004515733.1	Scaffold174	178551	CC	TT	1940436426
SNP_P1_172833_179002	NW_004515733.1	Scaffold174	179002	AA	CC	1940436427
SNP_P1_172834_179186	NW_004515733.1	Scaffold174	179186	CC	GG	1940436428
SNP_P1_172835_179396	NW_004515733.1	Scaffold174	179396	CC	AA	1940436429
SNP_P1_172836_179646	NW_004515733.1	Scaffold174	179646	GG	TT	1940436430
SNP_P1_172837_180037	NW_004515733.1	Scaffold174	180037	AA	TT	1940436431
SNP_P1_172839_180894	NW_004515733.1	Scaffold174	180894	AA	GG	1940436432
SNP_P1_172841_185187	NW_004515733.1	Scaffold174	185187	GG	AA	1940436433
SNP_P1_172842_185544	NW_004515733.1	Scaffold174	185544	CC	TT	1940436434
SNP_P1_172843_186959	NW_004515733.1	Scaffold174	186959	AA	GG	1940436435
SNP_P1_172845_188338	NW_004515733.1	Scaffold174	188338	CC	AA	1940436436
SNP_P1_172847_190373	NW_004515733.1	Scaffold174	190373	GG	TT	1940436437
SNP_P1_172848_191271	NW_004515733.1	Scaffold174	191271	GG	AA	1940436438
SNP_P1_172849_191316	NW_004515733.1	Scaffold174	191316	AA	GG	1940436439
SNP_P1_172850_191349	NW_004515733.1	Scaffold174	191349	CC	TT	1940436440
SNP_P1_172851_191359	NW_004515733.1	Scaffold174	191359	CC	GG	1940436441
SNP_P1_172852_191401	NW_004515733.1	Scaffold174	191401	TT	AA	1940436442
SNP_P1_172853_191452	NW_004515733.1	Scaffold174	191452	AA	GG	1940436443
SNP_P1_172854_191675	NW_004515733.1	Scaffold174	191675	CC	TT	1940436445
SNP_P1_172855_192169	NW_004515733.1	Scaffold174	192169	AA	TT	1940436446
SNP_P1_172856_192171	NW_004515733.1	Scaffold174	192171	TT	AA	1940436447
SNP_P1_172857_192235	NW_004515733.1	Scaffold174	192235	AA	GG	1940436448
SNP_P1_172859_193193	NW_004515733.1	Scaffold174	193193	TT	CC	1940436449
SNP_P1_172860_193194	NW_004515733.1	Scaffold174	193194	CC	AA	1940436450
SNP_P1_172861_195384	NW_004515733.1	Scaffold174	195384	TT	AA	1940436451
SNP_P1_172862_195676	NW_004515733.1	Scaffold174	195676	AA	GG	1940436452
SNP_P1_172863_197354	NW_004515733.1	Scaffold174	197354	GG	AA	1940436453
SNP_P1_172864_198560	NW_004515733.1	Scaffold174	198560	TT	GG	1940436454
SNP_P1_172865_199674	NW_004515733.1	Scaffold174	199674	AA	GG	1940436455
SNP_P1_172866_199892	NW_004515733.1	Scaffold174	199892	AA	GG	1940436456
SNP_P1_172867_200066	NW_004515733.1	Scaffold174	200066	TT	GG	1940436457
SNP_P1_172869_201018	NW_004515733.1	Scaffold174	201018	AA	TT	1940436458
SNP_P1_172870_202063	NW_004515733.1	Scaffold174	202063	GG	CC	1940436459
SNP_P1_172871_202088	NW_004515733.1	Scaffold174	202088	CC	AA	1940436460
SNP_P1_172872_202282	NW_004515733.1	Scaffold174	202282	TT	GG	1940436461
SNP_P1_172873_202324	NW_004515733.1	Scaffold174	202324	GG	AA	1940436462
SNP_P1_172874_202359	NW_004515733.1	Scaffold174	202359	TT	CC	1940436463
SNP_P1_172875_203679	NW_004515733.1	Scaffold174	203679	GG	TT	1940436464
SNP_P1_172876_203839	NW_004515733.1	Scaffold174	203839	AA	TT	1940436465

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172878_205743	NW_004515733.1	Scaffold174	205743	TT	CC	1940436467
SNP_P1_172879_206153	NW_004515733.1	Scaffold174	206153	GG	TT	1940436468
SNP_P1_172880_206340	NW_004515733.1	Scaffold174	206340	AA	GG	1940436469
SNP_P1_172882_207446	NW_004515733.1	Scaffold174	207446	AA	GG	1940436470
SNP_P1_172883_207691	NW_004515733.1	Scaffold174	207691	CC	AA	1940436471
SNP_P1_172884_207958	NW_004515733.1	Scaffold174	207958	AA	GG	1940436472
SNP_P1_172885_208366	NW_004515733.1	Scaffold174	208366	TT	AA	1940436473
SNP_P1_172886_208506	NW_004515733.1	Scaffold174	208506	AA	GG	1940436474
SNP_P1_172887_208766	NW_004515733.1	Scaffold174	208766	TT	GG	1940436475
SNP_P1_172888_208809	NW_004515733.1	Scaffold174	208809	GG	AA	1940436476
SNP_P1_172889_209086	NW_004515733.1	Scaffold174	209086	TT	CC	1940436477
SNP_P1_172890_213725	NW_004515733.1	Scaffold174	213725	GG	TT	1940436478
SNP_P1_172891_217651	NW_004515733.1	Scaffold174	217651	AA	CC	1940436479
SNP_P1_172892_218788	NW_004515733.1	Scaffold174	218788	AA	GG	1940436480
SNP_P1_172893_221106	NW_004515733.1	Scaffold174	221106	CC	TT	1940436481
SNP_P1_172894_221117	NW_004515733.1	Scaffold174	221117	AA	CC	1940436482
SNP_P1_172895_221394	NW_004515733.1	Scaffold174	221394	TT	CC	1940436483
SNP_P1_172896_221448	NW_004515733.1	Scaffold174	221448	TT	AA	1940436484
SNP_P1_172897_223236	NW_004515733.1	Scaffold174	223236	TT	CC	1940436485
SNP_P1_172898_223804	NW_004515733.1	Scaffold174	223804	CC	TT	1940436486
SNP_P1_172899_224802	NW_004515733.1	Scaffold174	224802	AA	GG	1940436487
SNP_P1_172900_225087	NW_004515733.1	Scaffold174	225087	AA	GG	1940436488
SNP_P1_172902_227487	NW_004515733.1	Scaffold174	227487	AA	CC	1940436489
SNP_P1_172903_229299	NW_004515733.1	Scaffold174	229299	GG	TT	1940436490
SNP_P1_172904_230594	NW_004515733.1	Scaffold174	230594	TT	CC	1940436491
SNP_P1_172906_230699	NW_004515733.1	Scaffold174	230699	TT	GG	1940436492
SNP_P1_172907_230725	NW_004515733.1	Scaffold174	230725	AA	GG	1940436493
SNP_P1_172908_233279	NW_004515733.1	Scaffold174	233279	CC	TT	1940436494
SNP_P1_172909_233282	NW_004515733.1	Scaffold174	233282	AA	CC	1940436495
SNP_P1_172910_233283	NW_004515733.1	Scaffold174	233283	AA	CC	1940436496
SNP_P1_172911_236160	NW_004515733.1	Scaffold174	236160	AA	GG	1940436497
SNP_P1_172912_237424	NW_004515733.1	Scaffold174	237424	CC	TT	1940436498
SNP_P1_172913_238299	NW_004515733.1	Scaffold174	238299	CC	TT	1940436499
SNP_P1_172914_240095	NW_004515733.1	Scaffold174	240095	AA	GG	1940436500
SNP_P1_172915_240169	NW_004515733.1	Scaffold174	240169	AA	GG	1940436501
SNP_P1_172916_240361	NW_004515733.1	Scaffold174	240361	AA	GG	1940436502
SNP_P1_172917_258876	NW_004515733.1	Scaffold174	258876	TT	CC	1940436503
SNP_P1_172918_259065	NW_004515733.1	Scaffold174	259065	AA	GG	1940436504
SNP_P1_172919_259289	NW_004515733.1	Scaffold174	259289	TT	GG	1940436505
SNP_P1_172920_259313	NW_004515733.1	Scaffold174	259313	GG	TT	1940436506
SNP_P1_172921_259322	NW_004515733.1	Scaffold174	259322	GG	AA	1940436507

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172923_262139	NW_004515733.1	Scaffold174	262139	TT	GG	1940436509
SNP_P1_172924_262589	NW_004515733.1	Scaffold174	262589	CC	TT	1940436510
SNP_P1_172925_270025	NW_004515733.1	Scaffold174	270025	GG	AA	1940436511
SNP_P1_172926_279258	NW_004515733.1	Scaffold174	279258	TT	CC	1940436512
SNP_P1_172928_279970	NW_004515733.1	Scaffold174	279970	CC	TT	1940436513
SNP_P1_172929_281357	NW_004515733.1	Scaffold174	281357	AA	GG	1940436514
SNP_P1_172930_285204	NW_004515733.1	Scaffold174	285204	AA	GG	1940436515
SNP_P1_172931_287357	NW_004515733.1	Scaffold174	287357	CC	TT	1940436516
SNP_P1_172932_293639	NW_004515733.1	Scaffold174	293639	AA	GG	1940436517
SNP_P1_172933_298619	NW_004515733.1	Scaffold174	298619	CC	TT	1940436518
SNP_P1_172934_298628	NW_004515733.1	Scaffold174	298628	AA	GG	1940436519
SNP_P1_172935_303938	NW_004515733.1	Scaffold174	303938	GG	TT	1940436520
SNP_P1_172936_307072	NW_004515733.1	Scaffold174	307072	GG	TT	1940436521
SNP_P1_172937_307352	NW_004515733.1	Scaffold174	307352	TT	CC	1940436522
SNP_P1_172938_307501	NW_004515733.1	Scaffold174	307501	GG	AA	1940436523
SNP_P1_172939_321778	NW_004515733.1	Scaffold174	321778	CC	TT	1940436524
SNP_P1_172941_324336	NW_004515733.1	Scaffold174	324336	CC	TT	1940436525
SNP_P1_172943_326480	NW_004515733.1	Scaffold174	326480	CC	GG	1940436526
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SNP_P1_172946_328861	NW_004515733.1	Scaffold174	328861	AA	GG	1940436528
SNP_P1_172947_329221	NW_004515733.1	Scaffold174	329221	TT	CC	1940436529
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SNP_P1_172949_330356	NW_004515733.1	Scaffold174	330356	GG	AA	1940436531
SNP_P1_172950_337893	NW_004515733.1	Scaffold174	337893	CC	AA	1940436532
SNP_P1_172951_337903	NW_004515733.1	Scaffold174	337903	CC	AA	1940436533
SNP_P1_172952_337911	NW_004515733.1	Scaffold174	337911	GG	TT	1940436534
SNP_P1_172953_337921	NW_004515733.1	Scaffold174	337921	TT	CC	1940436535
SNP_P1_172954_337923	NW_004515733.1	Scaffold174	337923	GG	TT	1940436536
SNP_P1_172955_337947	NW_004515733.1	Scaffold174	337947	AA	GG	1940436537
SNP_P1_172956_338898	NW_004515733.1	Scaffold174	338898	TT	GG	1940436538
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SNP_P1_172959_347921	NW_004515733.1	Scaffold174	347921	TT	AA	1940436541
SNP_P1_172961_350075	NW_004515733.1	Scaffold174	350075	CC	AA	1940436542
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SNP_P1_172964_350583	NW_004515733.1	Scaffold174	350583	AA	GG	1940436544
SNP_P1_172965_350878	NW_004515733.1	Scaffold174	350878	CC	TT	1940436545
SNP_P1_172966_351187	NW_004515733.1	Scaffold174	351187	TT	CC	1940436546
SNP_P1_172968_351737	NW_004515733.1	Scaffold174	351737	TT	GG	1940436547
SNP_P1_172969_352099	NW_004515733.1	Scaffold174	352099	TT	CC	1940436548
SNP_P1_172970_352583	NW_004515733.1	Scaffold174	352583	TT	CC	1940436549

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_172972_352629	NW_004515733.1	Scaffold174	352629	TT	GG	1940436551
SNP_P1_172973_352692	NW_004515733.1	Scaffold174	352692	TT	GG	1940436552
SNP_P1_172974_352779	NW_004515733.1	Scaffold174	352779	AA	CC	1940436553
SNP_P1_172975_352830	NW_004515733.1	Scaffold174	352830	AA	GG	1940436554
SNP_P1_172976_353084	NW_004515733.1	Scaffold174	353084	TT	CC	1940436555
SNP_P1_172977_354471	NW_004515733.1	Scaffold174	354471	AA	GG	1940436556
SNP_P1_172978_354527	NW_004515733.1	Scaffold174	354527	CC	TT	1940436557
SNP_P1_172980_359922	NW_004515733.1	Scaffold174	359922	AA	TT	1940436558
SNP_P1_172981_360199	NW_004515733.1	Scaffold174	360199	CC	AA	1940436559
SNP_P1_172982_366031	NW_004515733.1	Scaffold174	366031	CC	AA	1940436560
SNP_P1_172983_366432	NW_004515733.1	Scaffold174	366432	GG	AA	1940436561
SNP_P1_172984_367713	NW_004515733.1	Scaffold174	367713	CC	TT	1940436562
SNP_P1_172987_369731	NW_004515733.1	Scaffold174	369731	AA	TT	1940436563
SNP_P1_172988_369988	NW_004515733.1	Scaffold174	369988	GG	AA	1940436564
SNP_P1_172990_371481	NW_004515733.1	Scaffold174	371481	GG	TT	1940436565
SNP_P1_172991_372213	NW_004515733.1	Scaffold174	372213	GG	AA	1940436566
SNP_P1_172992_372926	NW_004515733.1	Scaffold174	372926	AA	TT	1940436567
SNP_P1_172993_372975	NW_004515733.1	Scaffold174	372975	TT	AA	1940436568
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SNP_P1_172997_374254	NW_004515733.1	Scaffold174	374254	GG	CC	1940436571
SNP_P1_172998_374695	NW_004515733.1	Scaffold174	374695	GG	AA	1940436572
SNP_P1_173000_377064	NW_004515733.1	Scaffold174	377064	GG	AA	1940436573
SNP_P1_173001_377076	NW_004515733.1	Scaffold174	377076	TT	CC	1940436574
SNP_P1_173002_378891	NW_004515733.1	Scaffold174	378891	TT	AA	1940436575
SNP_P1_173003_379605	NW_004515733.1	Scaffold174	379605	CC	GG	1940436576
SNP_P1_173004_380366	NW_004515733.1	Scaffold174	380366	GG	AA	1940436577
SNP_P1_173005_380612	NW_004515733.1	Scaffold174	380612	TT	CC	1940436578
SNP_P1_173006_381012	NW_004515733.1	Scaffold174	381012	CC	TT	1940436579
SNP_P1_173007_381363	NW_004515733.1	Scaffold174	381363	AA	GG	1940436580
SNP_P1_173008_381807	NW_004515733.1	Scaffold174	381807	GG	AA	1940436581
SNP_P1_173009_381829	NW_004515733.1	Scaffold174	381829	CC	TT	1940436582
SNP_P1_173010_383268	NW_004515733.1	Scaffold174	383268	CC	AA	1940436584
SNP_P1_173011_384145	NW_004515733.1	Scaffold174	384145	GG	AA	1940436585
SNP_P1_173012_384152	NW_004515733.1	Scaffold174	384152	GG	TT	1940436586
SNP_P1_173013_384251	NW_004515733.1	Scaffold174	384251	AA	GG	1940436587
SNP_P1_173014_384771	NW_004515733.1	Scaffold174	384771	AA	GG	1940436588
SNP_P1_173015_386383	NW_004515733.1	Scaffold174	386383	GG	AA	1940436589
SNP_P1_173016_386761	NW_004515733.1	Scaffold174	386761	GG	TT	1940436590
SNP_P1_173017_387521	NW_004515733.1	Scaffold174	387521	GG	AA	1940436591
SNP_P1_173018_388162	NW_004515733.1	Scaffold174	388162	AA	GG	1940436592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_173019_390078	NW_004515733.1	Scaffold174	390078	CC	TT	1940436593
SNP_P1_173020_390083	NW_004515733.1	Scaffold174	390083	AA	CC	1940436594
SNP_P1_173021_409295	NW_004515733.1	Scaffold174	409295	CC	TT	1940436595
SNP_P1_173023_421757	NW_004515733.1	Scaffold174	421757	AA	GG	1940436596
SNP_P1_173025_422255	NW_004515733.1	Scaffold174	422255	TT	CC	1940436597
SNP_P1_173026_422257	NW_004515733.1	Scaffold174	422257	AA	GG	1940436598
SNP_P1_173027_422652	NW_004515733.1	Scaffold174	422652	AA	GG	1940436599
SNP_P1_173028_422780	NW_004515733.1	Scaffold174	422780	CC	TT	1940436600
SNP_P1_173029_422828	NW_004515733.1	Scaffold174	422828	TT	AA	1940436601
SNP_P1_173030_423263	NW_004515733.1	Scaffold174	423263	GG	TT	1940436602
SNP_P1_173031_423903	NW_004515733.1	Scaffold174	423903	TT	CC	1940436603
SNP_P1_173034_424888	NW_004515733.1	Scaffold174	424888	GG	AA	1940436604
SNP_P1_173035_426692	NW_004515733.1	Scaffold174	426692	TT	CC	1940436605
SNP_P1_173036_427616	NW_004515733.1	Scaffold174	427616	CC	TT	1940436606
SNP_P1_173037_429826	NW_004515733.1	Scaffold174	429826	GG	AA	1940436607
SNP_P1_173038_429840	NW_004515733.1	Scaffold174	429840	TT	CC	1940436608
SNP_P1_173039_446035	NW_004515733.1	Scaffold174	446035	AA	GG	1940436609
SNP_P1_173040_447071	NW_004515733.1	Scaffold174	447071	GG	CC	1940436610
SNP_P1_173043_456834	NW_004515733.1	Scaffold174	456834	AA	CC	1940436611
SNP_P1_173044_457133	NW_004515733.1	Scaffold174	457133	TT	CC	1940436612
SNP_P1_173045_462730	NW_004515733.1	Scaffold174	462730	CC	TT	1940436613
SNP_P1_173046_465705	NW_004515733.1	Scaffold174	465705	TT	CC	1940436614
SNP_P1_173048_466046	NW_004515733.1	Scaffold174	466046	GG	AA	1940436615
SNP_P1_173050_468389	NW_004515733.1	Scaffold174	468389	AA	GG	1940436616
SNP_P1_173051_468612	NW_004515733.1	Scaffold174	468612	TT	CC	1940436617
SNP_P1_173052_470283	NW_004515733.1	Scaffold174	470283	GG	AA	1940436618
SNP_P1_173053_470369	NW_004515733.1	Scaffold174	470369	GG	AA	1940436619
SNP_P1_173054_470380	NW_004515733.1	Scaffold174	470380	CC	TT	1940436620
SNP_P1_173055_470385	NW_004515733.1	Scaffold174	470385	CC	TT	1940436621
SNP_P1_173056_470465	NW_004515733.1	Scaffold174	470465	CC	TT	1940436622
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SNP_P1_173059_470528	NW_004515733.1	Scaffold174	470528	AA	TT	1940436625
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SNP_P1_173062_470587	NW_004515733.1	Scaffold174	470587	AA	GG	1940436628
SNP_P1_173063_470657	NW_004515733.1	Scaffold174	470657	TT	CC	1940436629
SNP_P1_173064_470666	NW_004515733.1	Scaffold174	470666	GG	AA	1940436630
SNP_P1_173066_470693	NW_004515733.1	Scaffold174	470693	GG	AA	1940436631
SNP_P1_173067_470971	NW_004515733.1	Scaffold174	470971	GG	CC	1940436632
SNP_P1_173068_471026	NW_004515733.1	Scaffold174	471026	CC	TT	1940436633
SNP_P1_173070_473999	NW_004515733.1	Scaffold174	473999	TT	CC	1940436634

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173072_479486	NW_004515733.1	Scaffold174	479486	GG	TT	1940436636
SNP_P1_173073_479711	NW_004515733.1	Scaffold174	479711	AA	GG	1940436637
SNP_P1_173074_479714	NW_004515733.1	Scaffold174	479714	TT	GG	1940436638
SNP_P1_173075_479730	NW_004515733.1	Scaffold174	479730	GG	TT	1940436639
SNP_P1_173076_479760	NW_004515733.1	Scaffold174	479760	AA	CC	1940436640
SNP_P1_173077_479837	NW_004515733.1	Scaffold174	479837	GG	AA	1940436641
SNP_P1_173078_481947	NW_004515733.1	Scaffold174	481947	AA	GG	1940436642
SNP_P1_173079_482552	NW_004515733.1	Scaffold174	482552	GG	TT	1940436643
SNP_P1_173080_484394	NW_004515733.1	Scaffold174	484394	CC	GG	1940436644
SNP_P1_173081_486436	NW_004515733.1	Scaffold174	486436	CC	TT	1940436645
SNP_P1_173082_486895	NW_004515733.1	Scaffold174	486895	AA	TT	1940436646
SNP_P1_173083_487851	NW_004515733.1	Scaffold174	487851	TT	CC	1940436647
SNP_P1_173084_488437	NW_004515733.1	Scaffold174	488437	AA	GG	1940436648
SNP_P1_173085_489953	NW_004515733.1	Scaffold174	489953	AA	CC	1940436649
SNP_P1_173086_490388	NW_004515733.1	Scaffold174	490388	TT	CC	1940436650
SNP_P1_173088_493978	NW_004515733.1	Scaffold174	493978	GG	AA	1940436651
SNP_P1_173089_495055	NW_004515733.1	Scaffold174	495055	AA	TT	1940436652
SNP_P1_173090_495298	NW_004515733.1	Scaffold174	495298	GG	TT	1940436653
SNP_P1_173091_498053	NW_004515733.1	Scaffold174	498053	TT	AA	1940436654
SNP_P1_173092_498055	NW_004515733.1	Scaffold174	498055	TT	CC	1940436655
SNP_P1_173094_34689	NW_004515735.1	Scaffold181	34689	AA	GG	1940436656
SNP_P1_173095_34697	NW_004515735.1	Scaffold181	34697	AA	GG	1940436657
SNP_P1_173096_38709	NW_004515735.1	Scaffold181	38709	CC	TT	1940436658
SNP_P1_173097_67730	NW_004515735.1	Scaffold181	67730	GG	AA	1940436659
SNP_P1_173098_67735	NW_004515735.1	Scaffold181	67735	CC	AA	1940436660
SNP_P1_173099_67738	NW_004515735.1	Scaffold181	67738	CC	TT	1940436661
SNP_P1_173101_75749	NW_004515735.1	Scaffold181	75749	CC	AA	1940436662
SNP_P1_173102_83283	NW_004515735.1	Scaffold181	83283	AA	CC	1940436663
SNP_P1_173103_92770	NW_004515735.1	Scaffold181	92770	GG	AA	1940436664
SNP_P1_173104_94294	NW_004515735.1	Scaffold181	94294	GG	TT	1940436665
SNP_P1_173105_94330	NW_004515735.1	Scaffold181	94330	AA	GG	1940436666
SNP_P1_173106_94337	NW_004515735.1	Scaffold181	94337	AA	CC	1940436667
SNP_P1_173107_109488	NW_004515735.1	Scaffold181	109488	GG	AA	1940436668
SNP_P1_173108_122044	NW_004515735.1	Scaffold181	122044	TT	CC	1940436669
SNP_P1_173109_122082	NW_004515735.1	Scaffold181	122082	GG	AA	1940436670
SNP_P1_173110_122090	NW_004515735.1	Scaffold181	122090	TT	CC	1940436671
SNP_P1_173111_124013	NW_004515735.1	Scaffold181	124013	GG	AA	1940436672
SNP_P1_173112_126815	NW_004515735.1	Scaffold181	126815	TT	AA	1940436673
SNP_P1_173113_127125	NW_004515735.1	Scaffold181	127125	TT	CC	1940436674
SNP_P1_173115_136934	NW_004515735.1	Scaffold181	136934	AA	GG	1940436675
SNP_P1_173116_165039	NW_004515735.1	Scaffold181	165039	GG	AA	1940436676

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173118_198610	NW_004515735.1	Scaffold181	198610	CC	TT	1940436678
SNP_P1_173119_203774	NW_004515735.1	Scaffold181	203774	AA	GG	1940436679
SNP_P1_173120_1608	NW_004515736.1	Scaffold182	1608	TT	AA	1940436680
SNP_P1_173121_981	NW_004515737.1	Scaffold185	981	CC	AA	1940436681
SNP_P1_173122_10129	NW_004515738.1	Scaffold186	10129	CC	AA	1940436682
SNP_P1_173123_11127	NW_004515738.1	Scaffold186	11127	TT	CC	1940436683
SNP_P1_173125_25689	NW_004515738.1	Scaffold186	25689	AA	GG	1940436684
SNP_P1_173126_25726	NW_004515738.1	Scaffold186	25726	AA	TT	1940436685
SNP_P1_173127_25807	NW_004515738.1	Scaffold186	25807	GG	TT	1940436686
SNP_P1_173128_25834	NW_004515738.1	Scaffold186	25834	CC	AA	1940436687
SNP_P1_173129_28233	NW_004515738.1	Scaffold186	28233	CC	TT	1940436688
SNP_P1_173130_49326	NW_004515738.1	Scaffold186	49326	CC	AA	1940436689
SNP_P1_173132_64737	NW_004515738.1	Scaffold186	64737	AA	GG	1940436690
SNP_P1_173133_65058	NW_004515738.1	Scaffold186	65058	TT	CC	1940436691
SNP_P1_173134_72562	NW_004515738.1	Scaffold186	72562	AA	CC	1940436692
SNP_P1_173135_72586	NW_004515738.1	Scaffold186	72586	GG	AA	1940436693
SNP_P1_173136_72587	NW_004515738.1	Scaffold186	72587	GG	AA	1940436694
SNP_P1_173137_75405	NW_004515738.1	Scaffold186	75405	GG	AA	1940436695
SNP_P1_173138_78617	NW_004515738.1	Scaffold186	78617	GG	AA	1940436696
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SNP_P1_173141_79332	NW_004515738.1	Scaffold186	79332	GG	AA	1940436699
SNP_P1_173142_95184	NW_004515738.1	Scaffold186	95184	AA	GG	1940436700
SNP_P1_173143_107890	NW_004515738.1	Scaffold186	107890	CC	GG	1940436701
SNP_P1_173144_107937	NW_004515738.1	Scaffold186	107937	CC	TT	1940436702
SNP_P1_173145_108060	NW_004515738.1	Scaffold186	108060	TT	CC	1940436703
SNP_P1_173146_112117	NW_004515738.1	Scaffold186	112117	GG	AA	1940436704
SNP_P1_173147_112341	NW_004515738.1	Scaffold186	112341	CC	TT	1940436705
SNP_P1_173148_122192	NW_004515738.1	Scaffold186	122192	CC	TT	1940436706
SNP_P1_173149_124727	NW_004515738.1	Scaffold186	124727	CC	TT	1940436707
SNP_P1_173150_125093	NW_004515738.1	Scaffold186	125093	CC	TT	1940436708
SNP_P1_173151_125184	NW_004515738.1	Scaffold186	125184	AA	GG	1940436709
SNP_P1_173152_125503	NW_004515738.1	Scaffold186	125503	TT	CC	1940436710
SNP_P1_173153_125890	NW_004515738.1	Scaffold186	125890	AA	GG	1940436711
SNP_P1_173154_125908	NW_004515738.1	Scaffold186	125908	TT	CC	1940436712
SNP_P1_173155_125934	NW_004515738.1	Scaffold186	125934	TT	CC	1940436713
SNP_P1_173156_127667	NW_004515738.1	Scaffold186	127667	TT	CC	1940436714
SNP_P1_173157_142612	NW_004515738.1	Scaffold186	142612	AA	TT	1940436715
SNP_P1_173158_151539	NW_004515738.1	Scaffold186	151539	CC	TT	1940436716
SNP_P1_173159_151599	NW_004515738.1	Scaffold186	151599	AA	TT	1940436717
SNP_P1_173160_151641	NW_004515738.1	Scaffold186	151641	AA	GG	1940436718

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173163_157872	NW_004515738.1	Scaffold186	157872	AA	GG	1940436721
SNP_P1_173164_163497	NW_004515738.1	Scaffold186	163497	GG	AA	1940436722
SNP_P1_173165_174175	NW_004515738.1	Scaffold186	174175	TT	AA	1940436723
SNP_P1_173166_176334	NW_004515738.1	Scaffold186	176334	TT	GG	1940436724
SNP_P1_173167_176380	NW_004515738.1	Scaffold186	176380	TT	GG	1940436725
SNP_P1_173168_176412	NW_004515738.1	Scaffold186	176412	TT	CC	1940436726
SNP_P1_173169_176491	NW_004515738.1	Scaffold186	176491	CC	TT	1940436728
SNP_P1_173170_176492	NW_004515738.1	Scaffold186	176492	AA	GG	1940436729
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SNP_P1_173172_176552	NW_004515738.1	Scaffold186	176552	CC	TT	1940436731
SNP_P1_173173_176626	NW_004515738.1	Scaffold186	176626	TT	GG	1940436732
SNP_P1_173174_176708	NW_004515738.1	Scaffold186	176708	GG	AA	1940436733
SNP_P1_173175_176736	NW_004515738.1	Scaffold186	176736	CC	TT	1940436734
SNP_P1_173176_176822	NW_004515738.1	Scaffold186	176822	TT	CC	1940436735
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SNP_P1_173178_176828	NW_004515738.1	Scaffold186	176828	TT	CC	1940436737
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SNP_P1_173187_179100	NW_004515738.1	Scaffold186	179100	GG	AA	1940436745
SNP_P1_173188_179126	NW_004515738.1	Scaffold186	179126	CC	AA	1940436746
SNP_P1_173189_179146	NW_004515738.1	Scaffold186	179146	TT	CC	1940436747
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SNP_P1_173191_181336	NW_004515738.1	Scaffold186	181336	GG	TT	1940436749
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SNP_P1_173194_181397	NW_004515738.1	Scaffold186	181397	CC	GG	1940436752
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SNP_P1_173196_181400	NW_004515738.1	Scaffold186	181400	GG	CC	1940436754
SNP_P1_173197_181415	NW_004515738.1	Scaffold186	181415	AA	CC	1940436755
SNP_P1_173198_196688	NW_004515738.1	Scaffold186	196688	CC	TT	1940436756
SNP_P1_173199_202384	NW_004515738.1	Scaffold186	202384	TT	CC	1940436757
SNP_P1_173200_206981	NW_004515738.1	Scaffold186	206981	TT	CC	1940436758
SNP_P1_173201_219373	NW_004515738.1	Scaffold186	219373	TT	CC	1940436759
SNP_P1_173202_223097	NW_004515738.1	Scaffold186	223097	CC	TT	1940436760
SNP_P1_173203_233855	NW_004515738.1	Scaffold186	233855	GG	AA	1940436761

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173206_234811	NW_004515738.1	Scaffold186	234811	AA	GG	1940436764
SNP_P1_173207_251903	NW_004515738.1	Scaffold186	251903	CC	TT	1940436765
SNP_P1_173208_252533	NW_004515738.1	Scaffold186	252533	GG	AA	1940436766
SNP_P1_173209_275305	NW_004515738.1	Scaffold186	275305	TT	AA	1940436767
SNP_P1_173210_290317	NW_004515738.1	Scaffold186	290317	TT	CC	1940436768
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SNP_P1_173212_301838	NW_004515738.1	Scaffold186	301838	AA	TT	1940436770
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SNP_P1_173215_307266	NW_004515738.1	Scaffold186	307266	TT	CC	1940436773
SNP_P1_173216_307472	NW_004515738.1	Scaffold186	307472	AA	GG	1940436774
SNP_P1_173217_307483	NW_004515738.1	Scaffold186	307483	AA	GG	1940436775
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SNP_P1_173222_311433	NW_004515738.1	Scaffold186	311433	AA	GG	1940436780
SNP_P1_173223_311439	NW_004515738.1	Scaffold186	311439	CC	GG	1940436781
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SNP_P1_173228_334949	NW_004515738.1	Scaffold186	334949	AA	TT	1940436786
SNP_P1_173229_349630	NW_004515738.1	Scaffold186	349630	GG	AA	1940436787
SNP_P1_173230_349659	NW_004515738.1	Scaffold186	349659	GG	AA	1940436788
SNP_P1_173231_350136	NW_004515738.1	Scaffold186	350136	AA	CC	1940436789
SNP_P1_173232_351436	NW_004515738.1	Scaffold186	351436	TT	CC	1940436790
SNP_P1_173233_351440	NW_004515738.1	Scaffold186	351440	TT	GG	1940436791
SNP_P1_173234_351515	NW_004515738.1	Scaffold186	351515	TT	AA	1940436792
SNP_P1_173235_360100	NW_004515738.1	Scaffold186	360100	AA	CC	1940436793
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SNP_P1_173238_370716	NW_004515738.1	Scaffold186	370716	AA	TT	1940436796
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SNP_P1_173240_371227	NW_004515738.1	Scaffold186	371227	GG	AA	1940436798
SNP_P1_173241_383488	NW_004515738.1	Scaffold186	383488	GG	TT	1940436799
SNP_P1_173242_449625	NW_004515738.1	Scaffold186	449625	TT	CC	1940436800
SNP_P1_173243_464374	NW_004515738.1	Scaffold186	464374	GG	AA	1940436801
SNP_P1_173244_464416	NW_004515738.1	Scaffold186	464416	GG	AA	1940436802
SNP_P1_173245_464429	NW_004515738.1	Scaffold186	464429	GG	TT	1940436803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173247_464602	NW_004515738.1	Scaffold186	464602	GG	AA	1940436805
SNP_P1_173248_9405	NW_004515740.1	Scaffold193	9405	GG	AA	1940436806
SNP_P1_173249_9478	NW_004515740.1	Scaffold193	9478	AA	TT	1940436807
SNP_P1_173250_9862	NW_004515740.1	Scaffold193	9862	TT	CC	1940436808
SNP_P1_173251_32828	NW_004515740.1	Scaffold193	32828	AA	TT	1940436809
SNP_P1_173252_43296	NW_004515740.1	Scaffold193	43296	TT	CC	1940436810
SNP_P1_173253_59397	NW_004515740.1	Scaffold193	59397	GG	AA	1940436811
SNP_P1_173254_61942	NW_004515740.1	Scaffold193	61942	GG	AA	1940436812
SNP_P1_173255_63823	NW_004515740.1	Scaffold193	63823	GG	AA	1940436813
SNP_P1_173257_64856	NW_004515740.1	Scaffold193	64856	AA	GG	1940436814
SNP_P1_173258_65818	NW_004515740.1	Scaffold193	65818	GG	TT	1940436815
SNP_P1_173259_65826	NW_004515740.1	Scaffold193	65826	CC	AA	1940436816
SNP_P1_173260_65864	NW_004515740.1	Scaffold193	65864	AA	CC	1940436817
SNP_P1_173262_79469	NW_004515740.1	Scaffold193	79469	AA	CC	1940436818
SNP_P1_173263_79478	NW_004515740.1	Scaffold193	79478	TT	CC	1940436819
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SNP_P1_173270_80018	NW_004515740.1	Scaffold193	80018	AA	CC	1940436824
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SNP_P1_173272_115822	NW_004515740.1	Scaffold193	115822	TT	CC	1940436826
SNP_P1_173273_130324	NW_004515740.1	Scaffold193	130324	TT	CC	1940436827
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SNP_P1_173275_143700	NW_004515740.1	Scaffold193	143700	CC	GG	1940436829
SNP_P1_173276_143701	NW_004515740.1	Scaffold193	143701	CC	AA	1940436830
SNP_P1_173277_160487	NW_004515740.1	Scaffold193	160487	GG	CC	1940436831
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SNP_P1_173283_168550	NW_004515740.1	Scaffold193	168550	AA	GG	1940436837
SNP_P1_173284_200054	NW_004515740.1	Scaffold193	200054	TT	CC	1940436838
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SNP_P1_173286_201661	NW_004515740.1	Scaffold193	201661	TT	AA	1940436840
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SNP_P1_173290_202057	NW_004515740.1	Scaffold193	202057	AA	GG	1940436843
SNP_P1_173291_208333	NW_004515740.1	Scaffold193	208333	TT	CC	1940436844
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173294_208386	NW_004515740.1	Scaffold193	208386	TT	CC	1940436847
SNP_P1_173295_208486	NW_004515740.1	Scaffold193	208486	AA	GG	1940436848
SNP_P1_173297_208620	NW_004515740.1	Scaffold193	208620	AA	GG	1940436849
SNP_P1_173298_208727	NW_004515740.1	Scaffold193	208727	CC	GG	1940436850
SNP_P1_173299_208773	NW_004515740.1	Scaffold193	208773	GG	CC	1940436851
SNP_P1_173300_213066	NW_004515740.1	Scaffold193	213066	GG	AA	1940436852
SNP_P1_173301_219706	NW_004515740.1	Scaffold193	219706	TT	CC	1940436853
SNP_P1_173302_230338	NW_004515740.1	Scaffold193	230338	AA	GG	1940436854
SNP_P1_173304_255505	NW_004515740.1	Scaffold193	255505	TT	CC	1940436855
SNP_P1_173305_255506	NW_004515740.1	Scaffold193	255506	CC	TT	1940436856
SNP_P1_173307_268007	NW_004515740.1	Scaffold193	268007	AA	GG	1940436857
SNP_P1_173308_268154	NW_004515740.1	Scaffold193	268154	AA	GG	1940436858
SNP_P1_173309_268169	NW_004515740.1	Scaffold193	268169	CC	TT	1940436859
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SNP_P1_173311_271020	NW_004515740.1	Scaffold193	271020	AA	GG	1940436861
SNP_P1_173312_272179	NW_004515740.1	Scaffold193	272179	AA	TT	1940436862
SNP_P1_173313_272767	NW_004515740.1	Scaffold193	272767	TT	CC	1940436863
SNP_P1_173314_280237	NW_004515740.1	Scaffold193	280237	TT	AA	1940436864
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SNP_P1_173317_280671	NW_004515740.1	Scaffold193	280671	TT	CC	1940436867
SNP_P1_173318_285100	NW_004515740.1	Scaffold193	285100	CC	TT	1940436868
SNP_P1_173319_285793	NW_004515740.1	Scaffold193	285793	AA	GG	1940436869
SNP_P1_173320_289558	NW_004515740.1	Scaffold193	289558	CC	TT	1940436870
SNP_P1_173321_289566	NW_004515740.1	Scaffold193	289566	TT	CC	1940436871
SNP_P1_173322_289769	NW_004515740.1	Scaffold193	289769	AA	GG	1940436872
SNP_P1_173323_289889	NW_004515740.1	Scaffold193	289889	AA	CC	1940436873
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SNP_P1_173326_295646	NW_004515740.1	Scaffold193	295646	AA	GG	1940436876
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SNP_P1_173333_295781	NW_004515740.1	Scaffold193	295781	GG	AA	1940436884
SNP_P1_173334_295788	NW_004515740.1	Scaffold193	295788	TT	CC	1940436885
SNP_P1_173335_295813	NW_004515740.1	Scaffold193	295813	CC	TT	1940436886
SNP_P1_173336_295850	NW_004515740.1	Scaffold193	295850	AA	CC	1940436887
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173340_296025	NW_004515740.1	Scaffold193	296025	GG	AA	1940436891
SNP_P1_173341_296034	NW_004515740.1	Scaffold193	296034	CC	AA	1940436892
SNP_P1_173342_296195	NW_004515740.1	Scaffold193	296195	GG	AA	1940436893
SNP_P1_173343_296198	NW_004515740.1	Scaffold193	296198	GG	CC	1940436894
SNP_P1_173344_296199	NW_004515740.1	Scaffold193	296199	CC	AA	1940436895
SNP_P1_173345_296229	NW_004515740.1	Scaffold193	296229	AA	GG	1940436896
SNP_P1_173346_296250	NW_004515740.1	Scaffold193	296250	AA	GG	1940436897
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SNP_P1_173348_305604	NW_004515740.1	Scaffold193	305604	AA	GG	1940436899
SNP_P1_173349_305615	NW_004515740.1	Scaffold193	305615	TT	CC	1940436900
SNP_P1_173350_310216	NW_004515740.1	Scaffold193	310216	CC	GG	1940436901
SNP_P1_173351_310232	NW_004515740.1	Scaffold193	310232	CC	TT	1940436902
SNP_P1_173352_310239	NW_004515740.1	Scaffold193	310239	CC	TT	1940436903
SNP_P1_173353_310256	NW_004515740.1	Scaffold193	310256	CC	TT	1940436904
SNP_P1_173354_310275	NW_004515740.1	Scaffold193	310275	TT	GG	1940436905
SNP_P1_173355_310279	NW_004515740.1	Scaffold193	310279	AA	CC	1940436906
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SNP_P1_173363_316891	NW_004515740.1	Scaffold193	316891	TT	CC	1940436914
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SNP_P1_173367_329670	NW_004515740.1	Scaffold193	329670	GG	CC	1940436918
SNP_P1_173368_329751	NW_004515740.1	Scaffold193	329751	AA	GG	1940436919
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SNP_P1_173373_354263	NW_004515740.1	Scaffold193	354263	CC	TT	1940436924
SNP_P1_173374_366917	NW_004515740.1	Scaffold193	366917	GG	TT	1940436925
SNP_P1_173375_370551	NW_004515740.1	Scaffold193	370551	AA	GG	1940436926
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SNP_P1_173378_382749	NW_004515740.1	Scaffold193	382749	GG	AA	1940436929
SNP_P1_173380_393535	NW_004515740.1	Scaffold193	393535	AA	GG	1940436930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173383_393576	NW_004515740.1	Scaffold193	393576	CC	TT	1940436933
SNP_P1_173384_393590	NW_004515740.1	Scaffold193	393590	AA	GG	1940436934
SNP_P1_173385_393609	NW_004515740.1	Scaffold193	393609	CC	TT	1940436935
SNP_P1_173387_417526	NW_004515740.1	Scaffold193	417526	TT	GG	1940436936
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SNP_P1_173389_417551	NW_004515740.1	Scaffold193	417551	AA	GG	1940436938
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SNP_P1_173393_420423	NW_004515740.1	Scaffold193	420423	TT	CC	1940436942
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SNP_P1_173395_426224	NW_004515740.1	Scaffold193	426224	AA	GG	1940436944
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SNP_P1_173397_426238	NW_004515740.1	Scaffold193	426238	TT	GG	1940436946
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SNP_P1_173417_1124	NW_004515743.1	Scaffold196	1124	GG	TT	1940436964
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SNP_P1_173424_46186	NW_004515744.1	Scaffold198	46186	TT	CC	1940436971
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173428_54480	NW_004515744.1	Scaffold198	54480	TT	AA	1940436975
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SNP_P1_173430_54486	NW_004515744.1	Scaffold198	54486	TT	AA	1940436977
SNP_P1_173431_54492	NW_004515744.1	Scaffold198	54492	TT	GG	1940436978
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SNP_P1_173434_56496	NW_004515744.1	Scaffold198	56496	CC	GG	1940436981
SNP_P1_173435_56529	NW_004515744.1	Scaffold198	56529	AA	GG	1940436982
SNP_P1_173436_56548	NW_004515744.1	Scaffold198	56548	TT	CC	1940436983
SNP_P1_173437_56586	NW_004515744.1	Scaffold198	56586	GG	AA	1940436984
SNP_P1_173439_60905	NW_004515744.1	Scaffold198	60905	TT	AA	1940436985
SNP_P1_173441_93330	NW_004515744.1	Scaffold198	93330	GG	AA	1940436986
SNP_P1_173442_98211	NW_004515744.1	Scaffold198	98211	TT	AA	1940436987
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SNP_P1_173444_101123	NW_004515744.1	Scaffold198	101123	TT	GG	1940436989
SNP_P1_173446_149318	NW_004515744.1	Scaffold198	149318	AA	GG	1940436990
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SNP_P1_173458_183104	NW_004515744.1	Scaffold198	183104	TT	GG	1940437000
SNP_P1_173459_183128	NW_004515744.1	Scaffold198	183128	GG	TT	1940437001
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SNP_P1_173467_188113	NW_004515744.1	Scaffold198	188113	TT	CC	1940437009
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SNP_P1_173469_235764	NW_004515744.1	Scaffold198	235764	GG	TT	1940437011
SNP_P1_173470_235778	NW_004515744.1	Scaffold198	235778	CC	TT	1940437012
SNP_P1_173471_235793	NW_004515744.1	Scaffold198	235793	GG	AA	1940437013
SNP_P1_173472_251488	NW_004515744.1	Scaffold198	251488	AA	GG	1940437014

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173475_251590	NW_004515744.1	Scaffold198	251590	CC	TT	1940437017
SNP_P1_173476_251592	NW_004515744.1	Scaffold198	251592	GG	TT	1940437018
SNP_P1_173477_251722	NW_004515744.1	Scaffold198	251722	GG	TT	1940437019
SNP_P1_173479_263683	NW_004515744.1	Scaffold198	263683	AA	TT	1940437020
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SNP_P1_173482_267497	NW_004515744.1	Scaffold198	267497	CC	TT	1940437023
SNP_P1_173483_267507	NW_004515744.1	Scaffold198	267507	CC	TT	1940437024
SNP_P1_173484_267578	NW_004515744.1	Scaffold198	267578	GG	AA	1940437025
SNP_P1_173485_267592	NW_004515744.1	Scaffold198	267592	AA	TT	1940437026
SNP_P1_173487_267640	NW_004515744.1	Scaffold198	267640	TT	AA	1940437027
SNP_P1_173488_267647	NW_004515744.1	Scaffold198	267647	CC	TT	1940437029
SNP_P1_173489_271179	NW_004515744.1	Scaffold198	271179	GG	AA	1940437030
SNP_P1_173491_280356	NW_004515744.1	Scaffold198	280356	AA	GG	1940437031
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SNP_P1_173493_282333	NW_004515744.1	Scaffold198	282333	GG	AA	1940437033
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SNP_P1_173514_330678	NW_004515744.1	Scaffold198	330678	TT	GG	1940437054
SNP_P1_173515_330749	NW_004515744.1	Scaffold198	330749	GG	AA	1940437055
SNP_P1_173516_335360	NW_004515744.1	Scaffold198	335360	TT	CC	1940437056
SNP_P1_173517_335472	NW_004515744.1	Scaffold198	335472	TT	AA	1940437057

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173522_335741	NW_004515744.1	Scaffold198	335741	TT	CC	1940437062
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SNP_P1_173525_337543	NW_004515744.1	Scaffold198	337543	AA	GG	1940437064
SNP_P1_173526_337854	NW_004515744.1	Scaffold198	337854	GG	AA	1940437065
SNP_P1_173527_343944	NW_004515744.1	Scaffold198	343944	GG	AA	1940437066
SNP_P1_173528_344324	NW_004515744.1	Scaffold198	344324	TT	AA	1940437067
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SNP_P1_173531_348233	NW_004515744.1	Scaffold198	348233	GG	CC	1940437069
SNP_P1_173533_373378	NW_004515744.1	Scaffold198	373378	CC	TT	1940437070
SNP_P1_173536_408051	NW_004515744.1	Scaffold198	408051	AA	GG	1940437071
SNP_P1_173537_414004	NW_004515744.1	Scaffold198	414004	TT	CC	1940437072
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SNP_P1_173539_416096	NW_004515744.1	Scaffold198	416096	CC	AA	1940437074
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SNP_P1_173541_416256	NW_004515744.1	Scaffold198	416256	TT	GG	1940437076
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SNP_P1_173553_421018	NW_004515744.1	Scaffold198	421018	AA	GG	1940437087
SNP_P1_173554_421030	NW_004515744.1	Scaffold198	421030	TT	CC	1940437088
SNP_P1_173555_421049	NW_004515744.1	Scaffold198	421049	AA	TT	1940437089
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SNP_P1_173557_421134	NW_004515744.1	Scaffold198	421134	CC	TT	1940437091
SNP_P1_173558_422985	NW_004515744.1	Scaffold198	422985	CC	TT	1940437092
SNP_P1_173559_423018	NW_004515744.1	Scaffold198	423018	GG	AA	1940437093
SNP_P1_173560_423239	NW_004515744.1	Scaffold198	423239	AA	GG	1940437094
SNP_P1_173561_423475	NW_004515744.1	Scaffold198	423475	TT	CC	1940437095
SNP_P1_173562_423601	NW_004515744.1	Scaffold198	423601	AA	TT	1940437096
SNP_P1_173563_432377	NW_004515744.1	Scaffold198	432377	CC	TT	1940437097
SNP_P1_173564_444825	NW_004515744.1	Scaffold198	444825	AA	GG	1940437098
SNP_P1_173565_444833	NW_004515744.1	Scaffold198	444833	GG	AA	1940437099

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173568_473058	NW_004515744.1	Scaffold198	473058	TT	CC	1940437102
SNP_P1_173569_473092	NW_004515744.1	Scaffold198	473092	AA	GG	1940437103
SNP_P1_173570_473314	NW_004515744.1	Scaffold198	473314	CC	AA	1940437104
SNP_P1_173571_473337	NW_004515744.1	Scaffold198	473337	TT	GG	1940437105
SNP_P1_173572_473490	NW_004515744.1	Scaffold198	473490	TT	CC	1940437106
SNP_P1_173573_474224	NW_004515744.1	Scaffold198	474224	TT	CC	1940437107
SNP_P1_173574_484967	NW_004515744.1	Scaffold198	484967	GG	AA	1940437108
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SNP_P1_173577_500998	NW_004515744.1	Scaffold198	500998	GG	AA	1940437111
SNP_P1_173578_501013	NW_004515744.1	Scaffold198	501013	GG	AA	1940437112
SNP_P1_173579_501036	NW_004515744.1	Scaffold198	501036	GG	TT	1940437113
SNP_P1_173580_501433	NW_004515744.1	Scaffold198	501433	TT	AA	1940437114
SNP_P1_173581_501474	NW_004515744.1	Scaffold198	501474	CC	AA	1940437115
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SNP_P1_173584_501550	NW_004515744.1	Scaffold198	501550	TT	CC	1940437117
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SNP_P1_173599_594109	NW_004515744.1	Scaffold198	594109	GG	AA	1940437131
SNP_P1_173600_594305	NW_004515744.1	Scaffold198	594305	GG	CC	1940437132
SNP_P1_173601_594306	NW_004515744.1	Scaffold198	594306	CC	AA	1940437133
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SNP_P1_173605_594569	NW_004515744.1	Scaffold198	594569	GG	AA	1940437137
SNP_P1_173607_601027	NW_004515744.1	Scaffold198	601027	AA	TT	1940437138
SNP_P1_173608_601049	NW_004515744.1	Scaffold198	601049	CC	AA	1940437139
SNP_P1_173609_621151	NW_004515744.1	Scaffold198	621151	AA	GG	1940437140
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173613_621550	NW_004515744.1	Scaffold198	621550	CC	AA	1940437144
SNP_P1_173614_622374	NW_004515744.1	Scaffold198	622374	GG	TT	1940437145
SNP_P1_173616_631111	NW_004515744.1	Scaffold198	631111	AA	GG	1940437146
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SNP_P1_173619_631624	NW_004515744.1	Scaffold198	631624	CC	AA	1940437149
SNP_P1_173620_631627	NW_004515744.1	Scaffold198	631627	AA	GG	1940437150
SNP_P1_173621_631654	NW_004515744.1	Scaffold198	631654	CC	GG	1940437151
SNP_P1_173622_631671	NW_004515744.1	Scaffold198	631671	AA	GG	1940437152
SNP_P1_173623_632944	NW_004515744.1	Scaffold198	632944	GG	CC	1940437153
SNP_P1_173624_633025	NW_004515744.1	Scaffold198	633025	GG	AA	1940437154
SNP_P1_173625_633046	NW_004515744.1	Scaffold198	633046	AA	GG	1940437155
SNP_P1_173626_633048	NW_004515744.1	Scaffold198	633048	TT	GG	1940437156
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SNP_P1_173644_642019	NW_004515744.1	Scaffold198	642019	CC	TT	1940437173
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SNP_P1_173653_32325	NW_004515746.1	Scaffold200	32325	TT	AA	1940437182
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173657_51908	NW_004515746.1	Scaffold200	51908	CC	TT	1940437187
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SNP_P1_173659_55796	NW_004515746.1	Scaffold200	55796	TT	AA	1940437189
SNP_P1_173660_55798	NW_004515746.1	Scaffold200	55798	GG	TT	1940437190
SNP_P1_173661_59188	NW_004515746.1	Scaffold200	59188	AA	GG	1940437191
SNP_P1_173662_65723	NW_004515746.1	Scaffold200	65723	GG	AA	1940437192
SNP_P1_173663_65724	NW_004515746.1	Scaffold200	65724	TT	AA	1940437193
SNP_P1_173664_65751	NW_004515746.1	Scaffold200	65751	GG	CC	1940437194
SNP_P1_173665_66755	NW_004515746.1	Scaffold200	66755	TT	AA	1940437195
SNP_P1_173666_82194	NW_004515746.1	Scaffold200	82194	GG	AA	1940437196
SNP_P1_173667_82277	NW_004515746.1	Scaffold200	82277	TT	CC	1940437197
SNP_P1_173668_82601	NW_004515746.1	Scaffold200	82601	AA	GG	1940437198
SNP_P1_173669_82634	NW_004515746.1	Scaffold200	82634	GG	AA	1940437199
SNP_P1_173670_87762	NW_004515746.1	Scaffold200	87762	GG	AA	1940437200
SNP_P1_173671_87772	NW_004515746.1	Scaffold200	87772	GG	TT	1940437201
SNP_P1_173672_88461	NW_004515746.1	Scaffold200	88461	GG	CC	1940437202
SNP_P1_173673_94888	NW_004515746.1	Scaffold200	94888	AA	TT	1940437203
SNP_P1_173674_94894	NW_004515746.1	Scaffold200	94894	TT	CC	1940437204
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SNP_P1_173676_107389	NW_004515746.1	Scaffold200	107389	AA	GG	1940437206
SNP_P1_173677_107484	NW_004515746.1	Scaffold200	107484	TT	GG	1940437207
SNP_P1_173678_107504	NW_004515746.1	Scaffold200	107504	GG	AA	1940437208
SNP_P1_173679_107538	NW_004515746.1	Scaffold200	107538	GG	AA	1940437209
SNP_P1_173680_107548	NW_004515746.1	Scaffold200	107548	CC	TT	1940437210
SNP_P1_173681_112878	NW_004515746.1	Scaffold200	112878	TT	CC	1940437211
SNP_P1_173682_1430	NW_004515747.1	Scaffold202	1430	CC	TT	1940437212
SNP_P1_173683_3714	NW_004515747.1	Scaffold202	3714	AA	GG	1940437213
SNP_P1_173684_4225	NW_004515747.1	Scaffold202	4225	CC	AA	1940437214
SNP_P1_173685_7982	NW_004515747.1	Scaffold202	7982	CC	TT	1940437215
SNP_P1_173686_10005	NW_004515747.1	Scaffold202	10005	AA	GG	1940437216
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SNP_P1_173688_10420	NW_004515747.1	Scaffold202	10420	TT	CC	1940437218
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SNP_P1_173692_17161	NW_004515747.1	Scaffold202	17161	CC	AA	1940437222
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173701_17767	NW_004515747.1	Scaffold202	17767	AA	GG	1940437230
SNP_P1_173703_17850	NW_004515747.1	Scaffold202	17850	GG	AA	1940437231
SNP_P1_173704_17857	NW_004515747.1	Scaffold202	17857	GG	AA	1940437232
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SNP_P1_173706_18091	NW_004515747.1	Scaffold202	18091	CC	GG	1940437234
SNP_P1_173707_18092	NW_004515747.1	Scaffold202	18092	AA	TT	1940437235
SNP_P1_173708_19886	NW_004515747.1	Scaffold202	19886	AA	TT	1940437236
SNP_P1_173709_19887	NW_004515747.1	Scaffold202	19887	GG	AA	1940437237
SNP_P1_173710_19888	NW_004515747.1	Scaffold202	19888	TT	CC	1940437238
SNP_P1_173711_19891	NW_004515747.1	Scaffold202	19891	GG	AA	1940437239
SNP_P1_173712_19901	NW_004515747.1	Scaffold202	19901	TT	CC	1940437240
SNP_P1_173713_19922	NW_004515747.1	Scaffold202	19922	GG	AA	1940437241
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SNP_P1_173724_20403	NW_004515747.1	Scaffold202	20403	AA	GG	1940437251
SNP_P1_173725_20471	NW_004515747.1	Scaffold202	20471	AA	GG	1940437252
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SNP_P1_173728_20572	NW_004515747.1	Scaffold202	20572	CC	TT	1940437254
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SNP_P1_173731_20821	NW_004515747.1	Scaffold202	20821	TT	AA	1940437257
SNP_P1_173732_20914	NW_004515747.1	Scaffold202	20914	TT	CC	1940437258
SNP_P1_173733_20925	NW_004515747.1	Scaffold202	20925	CC	TT	1940437259
SNP_P1_173734_20976	NW_004515747.1	Scaffold202	20976	TT	AA	1940437260
SNP_P1_173735_21020	NW_004515747.1	Scaffold202	21020	CC	TT	1940437261
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SNP_P1_173738_21148	NW_004515747.1	Scaffold202	21148	CC	TT	1940437263
SNP_P1_173739_22198	NW_004515747.1	Scaffold202	22198	CC	TT	1940437264
SNP_P1_173740_22408	NW_004515747.1	Scaffold202	22408	AA	TT	1940437265
SNP_P1_173742_22663	NW_004515747.1	Scaffold202	22663	CC	TT	1940437266
SNP_P1_173743_22729	NW_004515747.1	Scaffold202	22729	CC	AA	1940437267
SNP_P1_173745_22796	NW_004515747.1	Scaffold202	22796	TT	GG	1940437268

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173748_22972	NW_004515747.1	Scaffold202	22972	CC	TT	1940437271
SNP_P1_173749_23075	NW_004515747.1	Scaffold202	23075	CC	TT	1940437272
SNP_P1_173750_23650	NW_004515747.1	Scaffold202	23650	TT	CC	1940437273
SNP_P1_173751_23698	NW_004515747.1	Scaffold202	23698	AA	GG	1940437274
SNP_P1_173752_23790	NW_004515747.1	Scaffold202	23790	CC	AA	1940437275
SNP_P1_173753_23920	NW_004515747.1	Scaffold202	23920	AA	CC	1940437276
SNP_P1_173754_24044	NW_004515747.1	Scaffold202	24044	TT	CC	1940437277
SNP_P1_173755_24101	NW_004515747.1	Scaffold202	24101	CC	TT	1940437278
SNP_P1_173756_24132	NW_004515747.1	Scaffold202	24132	TT	CC	1940437279
SNP_P1_173757_24145	NW_004515747.1	Scaffold202	24145	CC	TT	1940437280
SNP_P1_173758_24296	NW_004515747.1	Scaffold202	24296	CC	TT	1940437281
SNP_P1_173759_24363	NW_004515747.1	Scaffold202	24363	TT	GG	1940437282
SNP_P1_173760_24406	NW_004515747.1	Scaffold202	24406	AA	GG	1940437283
SNP_P1_173761_24642	NW_004515747.1	Scaffold202	24642	AA	GG	1940437284
SNP_P1_173762_24663	NW_004515747.1	Scaffold202	24663	TT	CC	1940437285
SNP_P1_173763_24664	NW_004515747.1	Scaffold202	24664	AA	GG	1940437286
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SNP_P1_173768_27514	NW_004515747.1	Scaffold202	27514	CC	TT	1940437291
SNP_P1_173769_27575	NW_004515747.1	Scaffold202	27575	AA	CC	1940437292
SNP_P1_173770_27629	NW_004515747.1	Scaffold202	27629	GG	AA	1940437293
SNP_P1_173771_27674	NW_004515747.1	Scaffold202	27674	GG	AA	1940437294
SNP_P1_173772_27675	NW_004515747.1	Scaffold202	27675	CC	TT	1940437295
SNP_P1_173773_27684	NW_004515747.1	Scaffold202	27684	TT	CC	1940437296
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SNP_P1_173777_27966	NW_004515747.1	Scaffold202	27966	AA	GG	1940437299
SNP_P1_173779_29951	NW_004515747.1	Scaffold202	29951	TT	CC	1940437300
SNP_P1_173780_29955	NW_004515747.1	Scaffold202	29955	TT	CC	1940437301
SNP_P1_173781_34949	NW_004515747.1	Scaffold202	34949	CC	AA	1940437302
SNP_P1_173782_35665	NW_004515747.1	Scaffold202	35665	CC	GG	1940437303
SNP_P1_173783_35778	NW_004515747.1	Scaffold202	35778	CC	TT	1940437304
SNP_P1_173784_35834	NW_004515747.1	Scaffold202	35834	AA	GG	1940437305
SNP_P1_173785_35907	NW_004515747.1	Scaffold202	35907	AA	GG	1940437306
SNP_P1_173786_35941	NW_004515747.1	Scaffold202	35941	CC	TT	1940437307
SNP_P1_173787_35976	NW_004515747.1	Scaffold202	35976	AA	CC	1940437308
SNP_P1_173788_36173	NW_004515747.1	Scaffold202	36173	GG	AA	1940437309
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173795_36855	NW_004515747.1	Scaffold202	36855	TT	GG	1940437315
SNP_P1_173796_36941	NW_004515747.1	Scaffold202	36941	AA	TT	1940437316
SNP_P1_173797_37140	NW_004515747.1	Scaffold202	37140	TT	GG	1940437317
SNP_P1_173798_37244	NW_004515747.1	Scaffold202	37244	TT	CC	1940437318
SNP_P1_173799_37375	NW_004515747.1	Scaffold202	37375	AA	GG	1940437319
SNP_P1_173800_37400	NW_004515747.1	Scaffold202	37400	GG	CC	1940437320
SNP_P1_173801_37585	NW_004515747.1	Scaffold202	37585	TT	AA	1940437321
SNP_P1_173802_37825	NW_004515747.1	Scaffold202	37825	AA	TT	1940437322
SNP_P1_173805_37989	NW_004515747.1	Scaffold202	37989	GG	AA	1940437324
SNP_P1_173806_37994	NW_004515747.1	Scaffold202	37994	TT	CC	1940437325
SNP_P1_173807_38080	NW_004515747.1	Scaffold202	38080	TT	GG	1940437326
SNP_P1_173808_38083	NW_004515747.1	Scaffold202	38083	AA	GG	1940437327
SNP_P1_173809_38090	NW_004515747.1	Scaffold202	38090	GG	AA	1940437328
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SNP_P1_173829_39351	NW_004515747.1	Scaffold202	39351	TT	CC	1940437344
SNP_P1_173830_39377	NW_004515747.1	Scaffold202	39377	GG	AA	1940437345
SNP_P1_173831_39413	NW_004515747.1	Scaffold202	39413	GG	TT	1940437346
SNP_P1_173832_39414	NW_004515747.1	Scaffold202	39414	CC	TT	1940437347
SNP_P1_173833_39418	NW_004515747.1	Scaffold202	39418	TT	GG	1940437348
SNP_P1_173835_39645	NW_004515747.1	Scaffold202	39645	CC	TT	1940437349
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SNP_P1_173837_40755	NW_004515747.1	Scaffold202	40755	CC	AA	1940437351
SNP_P1_173838_40848	NW_004515747.1	Scaffold202	40848	AA	CC	1940437352
SNP_P1_173839_41208	NW_004515747.1	Scaffold202	41208	CC	TT	1940437353

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173842_48077	NW_004515747.1	Scaffold202	48077	CC	TT	1940437356
SNP_P1_173843_52529	NW_004515747.1	Scaffold202	52529	GG	TT	1940437357
SNP_P1_173844_52542	NW_004515747.1	Scaffold202	52542	GG	CC	1940437358
SNP_P1_173845_52858	NW_004515747.1	Scaffold202	52858	AA	TT	1940437359
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SNP_P1_173851_53550	NW_004515747.1	Scaffold202	53550	AA	GG	1940437365
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SNP_P1_173854_62088	NW_004515747.1	Scaffold202	62088	GG	TT	1940437367
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SNP_P1_173873_94235	NW_004515747.1	Scaffold202	94235	CC	TT	1940437385
SNP_P1_173874_94241	NW_004515747.1	Scaffold202	94241	CC	AA	1940437386
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SNP_P1_173880_94918	NW_004515747.1	Scaffold202	94918	CC	TT	1940437392
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SNP_P1_173882_95070	NW_004515747.1	Scaffold202	95070	TT	GG	1940437394
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173887_95429	NW_004515747.1	Scaffold202	95429	AA	GG	1940437399
SNP_P1_173888_95438	NW_004515747.1	Scaffold202	95438	AA	GG	1940437400
SNP_P1_173889_95496	NW_004515747.1	Scaffold202	95496	AA	GG	1940437401
SNP_P1_173890_95533	NW_004515747.1	Scaffold202	95533	AA	GG	1940437402
SNP_P1_173891_95609	NW_004515747.1	Scaffold202	95609	TT	CC	1940437403
SNP_P1_173892_95619	NW_004515747.1	Scaffold202	95619	GG	AA	1940437404
SNP_P1_173893_95708	NW_004515747.1	Scaffold202	95708	GG	AA	1940437405
SNP_P1_173894_95792	NW_004515747.1	Scaffold202	95792	GG	AA	1940437406
SNP_P1_173895_95869	NW_004515747.1	Scaffold202	95869	TT	CC	1940437407
SNP_P1_173896_95904	NW_004515747.1	Scaffold202	95904	AA	GG	1940437408
SNP_P1_173897_95942	NW_004515747.1	Scaffold202	95942	TT	CC	1940437409
SNP_P1_173898_96043	NW_004515747.1	Scaffold202	96043	GG	AA	1940437410
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SNP_P1_173908_96456	NW_004515747.1	Scaffold202	96456	CC	TT	1940437420
SNP_P1_173909_96532	NW_004515747.1	Scaffold202	96532	TT	GG	1940437421
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SNP_P1_173911_96589	NW_004515747.1	Scaffold202	96589	TT	AA	1940437423
SNP_P1_173912_96614	NW_004515747.1	Scaffold202	96614	TT	CC	1940437424
SNP_P1_173913_96868	NW_004515747.1	Scaffold202	96868	CC	AA	1940437425
SNP_P1_173915_97636	NW_004515747.1	Scaffold202	97636	AA	GG	1940437426
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SNP_P1_173924_99849	NW_004515747.1	Scaffold202	99849	AA	TT	1940437434
SNP_P1_173925_100132	NW_004515747.1	Scaffold202	100132	CC	TT	1940437435
SNP_P1_173926_100138	NW_004515747.1	Scaffold202	100138	GG	AA	1940437436
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173929_100359	NW_004515747.1	Scaffold202	100359	CC	AA	1940437439
SNP_P1_173932_100722	NW_004515747.1	Scaffold202	100722	AA	TT	1940437440
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SNP_P1_173935_104037	NW_004515747.1	Scaffold202	104037	AA	TT	1940437442
SNP_P1_173936_104043	NW_004515747.1	Scaffold202	104043	TT	AA	1940437443
SNP_P1_173937_104044	NW_004515747.1	Scaffold202	104044	TT	AA	1940437444
SNP_P1_173938_104045	NW_004515747.1	Scaffold202	104045	AA	TT	1940437445
SNP_P1_173939_104082	NW_004515747.1	Scaffold202	104082	CC	TT	1940437446
SNP_P1_173940_104187	NW_004515747.1	Scaffold202	104187	AA	CC	1940437447
SNP_P1_173942_104407	NW_004515747.1	Scaffold202	104407	GG	AA	1940437448
SNP_P1_173943_104669	NW_004515747.1	Scaffold202	104669	TT	GG	1940437449
SNP_P1_173944_104714	NW_004515747.1	Scaffold202	104714	AA	TT	1940437450
SNP_P1_173946_23583	NW_004515748.1	Scaffold204	23583	CC	TT	1940437452
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SNP_P1_173958_64	NW_004515749.1	Scaffold205	64	CC	AA	1940437463
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SNP_P1_173962_40954	NW_004515749.1	Scaffold205	40954	CC	TT	1940437466
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SNP_P1_173973_41708	NW_004515749.1	Scaffold205	41708	TT	CC	1940437477
SNP_P1_173974_41758	NW_004515749.1	Scaffold205	41758	TT	CC	1940437478
SNP_P1_173975_41997	NW_004515749.1	Scaffold205	41997	TT	CC	1940437479
SNP_P1_173976_42023	NW_004515749.1	Scaffold205	42023	CC	TT	1940437480

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_173979_42052	NW_004515749.1	Scaffold205	42052	TT	CC	1940437483
SNP_P1_173980_42204	NW_004515749.1	Scaffold205	42204	GG	AA	1940437484
SNP_P1_173981_42248	NW_004515749.1	Scaffold205	42248	CC	TT	1940437485
SNP_P1_173982_42290	NW_004515749.1	Scaffold205	42290	AA	GG	1940437486
SNP_P1_173983_44973	NW_004515749.1	Scaffold205	44973	CC	TT	1940437487
SNP_P1_173984_46569	NW_004515749.1	Scaffold205	46569	AA	GG	1940437488
SNP_P1_173985_46839	NW_004515749.1	Scaffold205	46839	GG	AA	1940437489
SNP_P1_173987_60599	NW_004515749.1	Scaffold205	60599	CC	TT	1940437490
SNP_P1_173988_69947	NW_004515749.1	Scaffold205	69947	AA	GG	1940437491
SNP_P1_173989_69952	NW_004515749.1	Scaffold205	69952	TT	CC	1940437492
SNP_P1_173990_69954	NW_004515749.1	Scaffold205	69954	GG	AA	1940437493
SNP_P1_173991_74527	NW_004515749.1	Scaffold205	74527	GG	AA	1940437494
SNP_P1_173992_74556	NW_004515749.1	Scaffold205	74556	GG	AA	1940437495
SNP_P1_173993_74627	NW_004515749.1	Scaffold205	74627	CC	TT	1940437496
SNP_P1_173994_74666	NW_004515749.1	Scaffold205	74666	CC	GG	1940437497
SNP_P1_173995_74725	NW_004515749.1	Scaffold205	74725	AA	CC	1940437498
SNP_P1_173996_75575	NW_004515749.1	Scaffold205	75575	AA	GG	1940437499
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SNP_P1_174003_113012	NW_004515749.1	Scaffold205	113012	GG	TT	1940437504
SNP_P1_174004_113401	NW_004515749.1	Scaffold205	113401	AA	TT	1940437505
SNP_P1_174005_113402	NW_004515749.1	Scaffold205	113402	AA	GG	1940437506
SNP_P1_174006_114640	NW_004515749.1	Scaffold205	114640	AA	GG	1940437507
SNP_P1_174007_115058	NW_004515749.1	Scaffold205	115058	GG	AA	1940437508
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SNP_P1_174009_115776	NW_004515749.1	Scaffold205	115776	TT	CC	1940437510
SNP_P1_174010_116407	NW_004515749.1	Scaffold205	116407	TT	AA	1940437511
SNP_P1_174011_121372	NW_004515749.1	Scaffold205	121372	CC	TT	1940437512
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SNP_P1_174014_145816	NW_004515749.1	Scaffold205	145816	GG	TT	1940437514
SNP_P1_174015_146150	NW_004515749.1	Scaffold205	146150	AA	GG	1940437515
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SNP_P1_174018_149826	NW_004515749.1	Scaffold205	149826	AA	GG	1940437518
SNP_P1_174019_149831	NW_004515749.1	Scaffold205	149831	AA	GG	1940437519
SNP_P1_174020_149888	NW_004515749.1	Scaffold205	149888	GG	AA	1940437520
SNP_P1_174021_149953	NW_004515749.1	Scaffold205	149953	AA	GG	1940437521
SNP_P1_174022_149964	NW_004515749.1	Scaffold205	149964	GG	AA	1940437522

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174024_152480	NW_004515749.1	Scaffold205	152480	CC	AA	1940437524
SNP_P1_174027_156169	NW_004515749.1	Scaffold205	156169	CC	GG	1940437525
SNP_P1_174028_166816	NW_004515749.1	Scaffold205	166816	GG	AA	1940437526
SNP_P1_174029_166819	NW_004515749.1	Scaffold205	166819	GG	AA	1940437527
SNP_P1_174030_166823	NW_004515749.1	Scaffold205	166823	GG	AA	1940437528
SNP_P1_174031_189923	NW_004515749.1	Scaffold205	189923	TT	CC	1940437529
SNP_P1_174032_189924	NW_004515749.1	Scaffold205	189924	GG	CC	1940437530
SNP_P1_174033_195021	NW_004515749.1	Scaffold205	195021	TT	CC	1940437531
SNP_P1_174034_195042	NW_004515749.1	Scaffold205	195042	AA	CC	1940437532
SNP_P1_174035_195057	NW_004515749.1	Scaffold205	195057	AA	CC	1940437533
SNP_P1_174036_195121	NW_004515749.1	Scaffold205	195121	GG	AA	1940437534
SNP_P1_174037_195275	NW_004515749.1	Scaffold205	195275	CC	TT	1940437535
SNP_P1_174038_195279	NW_004515749.1	Scaffold205	195279	TT	CC	1940437536
SNP_P1_174039_195305	NW_004515749.1	Scaffold205	195305	GG	AA	1940437537
SNP_P1_174040_195346	NW_004515749.1	Scaffold205	195346	AA	GG	1940437538
SNP_P1_174041_195378	NW_004515749.1	Scaffold205	195378	GG	AA	1940437539
SNP_P1_174042_195427	NW_004515749.1	Scaffold205	195427	TT	GG	1940437540
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SNP_P1_174058_214037	NW_004515749.1	Scaffold205	214037	GG	AA	1940437556
SNP_P1_174060_5098	NW_004515750.1	Scaffold206	5098	GG	AA	1940437557
SNP_P1_174061_56021	NW_004515750.1	Scaffold206	56021	GG	AA	1940437558
SNP_P1_174062_56062	NW_004515750.1	Scaffold206	56062	GG	AA	1940437559
SNP_P1_174063_56313	NW_004515750.1	Scaffold206	56313	TT	CC	1940437560
SNP_P1_174064_59691	NW_004515750.1	Scaffold206	59691	CC	TT	1940437561
SNP_P1_174065_59996	NW_004515750.1	Scaffold206	59996	AA	TT	1940437562
SNP_P1_174066_60027	NW_004515750.1	Scaffold206	60027	GG	AA	1940437563
SNP_P1_174067_62134	NW_004515750.1	Scaffold206	62134	AA	GG	1940437564

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174070_62429	NW_004515750.1	Scaffold206	62429	TT	GG	1940437567
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SNP_P1_174080_89931	NW_004515750.1	Scaffold206	89931	AA	GG	1940437577
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SNP_P1_174083_108461	NW_004515750.1	Scaffold206	108461	TT	CC	1940437580
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SNP_P1_174094_115808	NW_004515750.1	Scaffold206	115808	AA	GG	1940437591
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SNP_P1_174103_120303	NW_004515750.1	Scaffold206	120303	CC	TT	1940437601
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SNP_P1_174107_139575	NW_004515750.1	Scaffold206	139575	TT	AA	1940437605
SNP_P1_174108_139834	NW_004515750.1	Scaffold206	139834	GG	AA	1940437606
SNP_P1_174109_139924	NW_004515750.1	Scaffold206	139924	AA	GG	1940437607

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174111_139990	NW_004515750.1	Scaffold206	139990	CC	TT	1940437609
SNP_P1_174112_140006	NW_004515750.1	Scaffold206	140006	TT	GG	1940437610
SNP_P1_174113_140017	NW_004515750.1	Scaffold206	140017	AA	GG	1940437611
SNP_P1_174114_140018	NW_004515750.1	Scaffold206	140018	GG	AA	1940437612
SNP_P1_174115_140043	NW_004515750.1	Scaffold206	140043	AA	TT	1940437613
SNP_P1_174116_140105	NW_004515750.1	Scaffold206	140105	TT	CC	1940437614
SNP_P1_174117_140159	NW_004515750.1	Scaffold206	140159	CC	TT	1940437615
SNP_P1_174118_140181	NW_004515750.1	Scaffold206	140181	TT	CC	1940437616
SNP_P1_174119_140210	NW_004515750.1	Scaffold206	140210	CC	TT	1940437617
SNP_P1_174120_140237	NW_004515750.1	Scaffold206	140237	AA	GG	1940437618
SNP_P1_174121_151996	NW_004515750.1	Scaffold206	151996	CC	TT	1940437619
SNP_P1_174122_152003	NW_004515750.1	Scaffold206	152003	GG	CC	1940437620
SNP_P1_174123_152402	NW_004515750.1	Scaffold206	152402	GG	TT	1940437621
SNP_P1_174124_157228	NW_004515750.1	Scaffold206	157228	CC	AA	1940437622
SNP_P1_174125_159719	NW_004515750.1	Scaffold206	159719	AA	CC	1940437623
SNP_P1_174126_159734	NW_004515750.1	Scaffold206	159734	TT	AA	1940437624
SNP_P1_174127_160080	NW_004515750.1	Scaffold206	160080	GG	AA	1940437625
SNP_P1_174128_160148	NW_004515750.1	Scaffold206	160148	AA	GG	1940437626
SNP_P1_174129_160177	NW_004515750.1	Scaffold206	160177	AA	GG	1940437627
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SNP_P1_174132_164008	NW_004515750.1	Scaffold206	164008	CC	TT	1940437629
SNP_P1_174133_164009	NW_004515750.1	Scaffold206	164009	AA	CC	1940437630
SNP_P1_174134_164035	NW_004515750.1	Scaffold206	164035	CC	GG	1940437631
SNP_P1_174135_164262	NW_004515750.1	Scaffold206	164262	TT	AA	1940437632
SNP_P1_174136_164267	NW_004515750.1	Scaffold206	164267	GG	TT	1940437633
SNP_P1_174137_164307	NW_004515750.1	Scaffold206	164307	GG	AA	1940437634
SNP_P1_174138_164316	NW_004515750.1	Scaffold206	164316	CC	TT	1940437635
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SNP_P1_174146_175775	NW_004515750.1	Scaffold206	175775	CC	TT	1940437642
SNP_P1_174147_175966	NW_004515750.1	Scaffold206	175966	CC	TT	1940437643
SNP_P1_174149_189547	NW_004515750.1	Scaffold206	189547	AA	TT	1940437644
SNP_P1_174150_189564	NW_004515750.1	Scaffold206	189564	AA	GG	1940437645
SNP_P1_174151_189569	NW_004515750.1	Scaffold206	189569	TT	CC	1940437646
SNP_P1_174152_189580	NW_004515750.1	Scaffold206	189580	CC	TT	1940437647
SNP_P1_174153_189582	NW_004515750.1	Scaffold206	189582	AA	GG	1940437648
SNP_P1_174154_190545	NW_004515750.1	Scaffold206	190545	CC	TT	1940437649

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174157_190583	NW_004515750.1	Scaffold206	190583	GG	AA	1940437652
SNP_P1_174159_195548	NW_004515750.1	Scaffold206	195548	AA	TT	1940437653
SNP_P1_174160_195573	NW_004515750.1	Scaffold206	195573	AA	GG	1940437654
SNP_P1_174161_199511	NW_004515750.1	Scaffold206	199511	TT	CC	1940437655
SNP_P1_174162_222047	NW_004515750.1	Scaffold206	222047	TT	CC	1940437656
SNP_P1_174163_233701	NW_004515750.1	Scaffold206	233701	CC	GG	1940437657
SNP_P1_174164_234390	NW_004515750.1	Scaffold206	234390	GG	TT	1940437658
SNP_P1_174165_234417	NW_004515750.1	Scaffold206	234417	CC	AA	1940437659
SNP_P1_174166_234859	NW_004515750.1	Scaffold206	234859	AA	CC	1940437660
SNP_P1_174167_234946	NW_004515750.1	Scaffold206	234946	TT	CC	1940437661
SNP_P1_174168_234963	NW_004515750.1	Scaffold206	234963	CC	TT	1940437662
SNP_P1_174169_235021	NW_004515750.1	Scaffold206	235021	TT	CC	1940437663
SNP_P1_174171_235449	NW_004515750.1	Scaffold206	235449	TT	AA	1940437664
SNP_P1_174172_238554	NW_004515750.1	Scaffold206	238554	TT	CC	1940437665
SNP_P1_174173_238563	NW_004515750.1	Scaffold206	238563	CC	TT	1940437666
SNP_P1_174174_239006	NW_004515750.1	Scaffold206	239006	GG	AA	1940437667
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SNP_P1_174176_239054	NW_004515750.1	Scaffold206	239054	TT	CC	1940437669
SNP_P1_174177_247485	NW_004515750.1	Scaffold206	247485	TT	GG	1940437670
SNP_P1_174178_251441	NW_004515750.1	Scaffold206	251441	AA	TT	1940437671
SNP_P1_174180_269920	NW_004515750.1	Scaffold206	269920	CC	AA	1940437672
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SNP_P1_174182_272252	NW_004515750.1	Scaffold206	272252	AA	GG	1940437674
SNP_P1_174184_272335	NW_004515750.1	Scaffold206	272335	CC	AA	1940437675
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SNP_P1_174187_273594	NW_004515750.1	Scaffold206	273594	GG	TT	1940437677
SNP_P1_174188_2783	NW_004515751.1	Scaffold207	2783	GG	CC	1940437678
SNP_P1_174189_3222	NW_004515751.1	Scaffold207	3222	TT	AA	1940437679
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SNP_P1_174191_6042	NW_004515751.1	Scaffold207	6042	TT	CC	1940437681
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SNP_P1_174194_6099	NW_004515751.1	Scaffold207	6099	TT	AA	1940437684
SNP_P1_174195_6236	NW_004515751.1	Scaffold207	6236	AA	GG	1940437685
SNP_P1_174196_6242	NW_004515751.1	Scaffold207	6242	TT	CC	1940437686
SNP_P1_174197_6251	NW_004515751.1	Scaffold207	6251	TT	GG	1940437687
SNP_P1_174199_6961	NW_004515751.1	Scaffold207	6961	CC	AA	1940437688
SNP_P1_174200_7174	NW_004515751.1	Scaffold207	7174	CC	TT	1940437689
SNP_P1_174201_7484	NW_004515751.1	Scaffold207	7484	GG	TT	1940437690
SNP_P1_174202_7544	NW_004515751.1	Scaffold207	7544	GG	AA	1940437691

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174205_8056	NW_004515751.1	Scaffold207	8056	AA	GG	1940437694
SNP_P1_174206_8215	NW_004515751.1	Scaffold207	8215	AA	GG	1940437695
SNP_P1_174207_8217	NW_004515751.1	Scaffold207	8217	GG	TT	1940437696
SNP_P1_174208_8439	NW_004515751.1	Scaffold207	8439	TT	CC	1940437697
SNP_P1_174209_9466	NW_004515751.1	Scaffold207	9466	CC	TT	1940437698
SNP_P1_174210_9513	NW_004515751.1	Scaffold207	9513	AA	GG	1940437699
SNP_P1_174211_9580	NW_004515751.1	Scaffold207	9580	AA	CC	1940437700
SNP_P1_174212_9640	NW_004515751.1	Scaffold207	9640	AA	TT	1940437701
SNP_P1_174213_9762	NW_004515751.1	Scaffold207	9762	GG	CC	1940437702
SNP_P1_174214_9831	NW_004515751.1	Scaffold207	9831	TT	AA	1940437703
SNP_P1_174215_9943	NW_004515751.1	Scaffold207	9943	AA	GG	1940437704
SNP_P1_174216_9946	NW_004515751.1	Scaffold207	9946	TT	AA	1940437705
SNP_P1_174217_25138	NW_004515751.1	Scaffold207	25138	TT	GG	1940437706
SNP_P1_174218_25181	NW_004515751.1	Scaffold207	25181	CC	TT	1940437707
SNP_P1_174219_25183	NW_004515751.1	Scaffold207	25183	AA	CC	1940437708
SNP_P1_174220_15713	NW_004515752.1	Scaffold208	15713	AA	TT	1940437709
SNP_P1_174221_15739	NW_004515752.1	Scaffold208	15739	AA	TT	1940437710
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SNP_P1_174223_20315	NW_004515752.1	Scaffold208	20315	GG	AA	1940437712
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SNP_P1_174226_21043	NW_004515752.1	Scaffold208	21043	CC	GG	1940437715
SNP_P1_174227_21058	NW_004515752.1	Scaffold208	21058	CC	GG	1940437716
SNP_P1_174228_21100	NW_004515752.1	Scaffold208	21100	AA	CC	1940437717
SNP_P1_174229_21149	NW_004515752.1	Scaffold208	21149	GG	TT	1940437718
SNP_P1_174230_21153	NW_004515752.1	Scaffold208	21153	TT	GG	1940437719
SNP_P1_174231_21167	NW_004515752.1	Scaffold208	21167	TT	CC	1940437720
SNP_P1_174232_21169	NW_004515752.1	Scaffold208	21169	AA	TT	1940437721
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SNP_P1_174235_21463	NW_004515752.1	Scaffold208	21463	AA	TT	1940437723
SNP_P1_174236_21505	NW_004515752.1	Scaffold208	21505	AA	CC	1940437724
SNP_P1_174237_21533	NW_004515752.1	Scaffold208	21533	AA	GG	1940437725
SNP_P1_174238_21586	NW_004515752.1	Scaffold208	21586	GG	AA	1940437726
SNP_P1_174239_21991	NW_004515752.1	Scaffold208	21991	GG	AA	1940437727
SNP_P1_174240_22008	NW_004515752.1	Scaffold208	22008	CC	GG	1940437728
SNP_P1_174241_22034	NW_004515752.1	Scaffold208	22034	CC	TT	1940437729
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SNP_P1_174243_22037	NW_004515752.1	Scaffold208	22037	TT	AA	1940437731
SNP_P1_174244_23932	NW_004515752.1	Scaffold208	23932	CC	TT	1940437732
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174249_49698	NW_004515752.1	Scaffold208	49698	AA	CC	1940437736
SNP_P1_174250_51923	NW_004515752.1	Scaffold208	51923	GG	AA	1940437737
SNP_P1_174251_52181	NW_004515752.1	Scaffold208	52181	TT	AA	1940437738
SNP_P1_174252_59423	NW_004515752.1	Scaffold208	59423	CC	AA	1940437739
SNP_P1_174253_65260	NW_004515752.1	Scaffold208	65260	CC	AA	1940437740
SNP_P1_174254_65720	NW_004515752.1	Scaffold208	65720	CC	GG	1940437741
SNP_P1_174256_105496	NW_004515752.1	Scaffold208	105496	AA	TT	1940437742
SNP_P1_174257_106939	NW_004515752.1	Scaffold208	106939	AA	TT	1940437743
SNP_P1_174258_107504	NW_004515752.1	Scaffold208	107504	TT	CC	1940437744
SNP_P1_174259_107520	NW_004515752.1	Scaffold208	107520	TT	GG	1940437745
SNP_P1_174260_107523	NW_004515752.1	Scaffold208	107523	TT	GG	1940437746
SNP_P1_174261_112326	NW_004515752.1	Scaffold208	112326	CC	AA	1940437747
SNP_P1_174262_112335	NW_004515752.1	Scaffold208	112335	CC	TT	1940437748
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SNP_P1_174264_115319	NW_004515752.1	Scaffold208	115319	GG	TT	1940437751
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SNP_P1_174287_129538	NW_004515752.1	Scaffold208	129538	AA	GG	1940437774
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SNP_P1_174290_131610	NW_004515752.1	Scaffold208	131610	AA	TT	1940437776

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174293_152327	NW_004515752.1	Scaffold208	152327	AA	GG	1940437779
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SNP_P1_174295_155613	NW_004515752.1	Scaffold208	155613	AA	GG	1940437781
SNP_P1_174296_156434	NW_004515752.1	Scaffold208	156434	AA	TT	1940437782
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SNP_P1_174305_171941	NW_004515752.1	Scaffold208	171941	AA	CC	1940437790
SNP_P1_174306_171999	NW_004515752.1	Scaffold208	171999	CC	TT	1940437791
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SNP_P1_174317_195173	NW_004515752.1	Scaffold208	195173	GG	AA	1940437801
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SNP_P1_174327_312117	NW_004515752.1	Scaffold208	312117	AA	GG	1940437809
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SNP_P1_174334_313521	NW_004515752.1	Scaffold208	313521	CC	TT	1940437816
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SNP_P1_174336_320480	NW_004515752.1	Scaffold208	320480	CC	TT	1940437818

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174338_355167	NW_004515752.1	Scaffold208	355167	AA	TT	1940437820
SNP_P1_174339_356801	NW_004515752.1	Scaffold208	356801	GG	AA	1940437821
SNP_P1_174340_386731	NW_004515752.1	Scaffold208	386731	TT	AA	1940437822
SNP_P1_174341_404260	NW_004515752.1	Scaffold208	404260	CC	TT	1940437823
SNP_P1_174342_406601	NW_004515752.1	Scaffold208	406601	GG	TT	1940437824
SNP_P1_174344_420920	NW_004515752.1	Scaffold208	420920	AA	GG	1940437825
SNP_P1_174345_420934	NW_004515752.1	Scaffold208	420934	AA	GG	1940437826
SNP_P1_174346_420941	NW_004515752.1	Scaffold208	420941	CC	AA	1940437827
SNP_P1_174347_420942	NW_004515752.1	Scaffold208	420942	CC	TT	1940437828
SNP_P1_174348_420955	NW_004515752.1	Scaffold208	420955	CC	TT	1940437829
SNP_P1_174350_434076	NW_004515752.1	Scaffold208	434076	TT	CC	1940437830
SNP_P1_174351_434097	NW_004515752.1	Scaffold208	434097	AA	GG	1940437831
SNP_P1_174352_434133	NW_004515752.1	Scaffold208	434133	GG	AA	1940437832
SNP_P1_174353_434201	NW_004515752.1	Scaffold208	434201	CC	TT	1940437833
SNP_P1_174354_446749	NW_004515752.1	Scaffold208	446749	CC	TT	1940437834
SNP_P1_174355_298	NW_004515753.1	Scaffold209	298	AA	CC	1940437835
SNP_P1_174356_317	NW_004515753.1	Scaffold209	317	TT	CC	1940437836
SNP_P1_174357_553	NW_004515753.1	Scaffold209	553	TT	AA	1940437837
SNP_P1_174358_2295	NW_004515753.1	Scaffold209	2295	CC	TT	1940437838
SNP_P1_174359_2314	NW_004515753.1	Scaffold209	2314	GG	AA	1940437839
SNP_P1_174360_2595	NW_004515753.1	Scaffold209	2595	GG	CC	1940437840
SNP_P1_174361_2625	NW_004515753.1	Scaffold209	2625	GG	TT	1940437841
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SNP_P1_174363_5620	NW_004515753.1	Scaffold209	5620	TT	AA	1940437843
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SNP_P1_174365_5768	NW_004515753.1	Scaffold209	5768	AA	GG	1940437845
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SNP_P1_174367_5826	NW_004515753.1	Scaffold209	5826	AA	TT	1940437847
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SNP_P1_174377_7307	NW_004515753.1	Scaffold209	7307	AA	CC	1940437857
SNP_P1_174378_7388	NW_004515753.1	Scaffold209	7388	AA	TT	1940437858
SNP_P1_174379_7506	NW_004515753.1	Scaffold209	7506	TT	CC	1940437859
SNP_P1_174380_7526	NW_004515753.1	Scaffold209	7526	AA	TT	1940437860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174383_7695	NW_004515753.1	Scaffold209	7695	TT	AA	1940437863
SNP_P1_174384_7754	NW_004515753.1	Scaffold209	7754	GG	CC	1940437864
SNP_P1_174385_7759	NW_004515753.1	Scaffold209	7759	AA	CC	1940437865
SNP_P1_174386_7789	NW_004515753.1	Scaffold209	7789	GG	TT	1940437866
SNP_P1_174387_7900	NW_004515753.1	Scaffold209	7900	AA	GG	1940437867
SNP_P1_174388_7937	NW_004515753.1	Scaffold209	7937	GG	TT	1940437868
SNP_P1_174389_7999	NW_004515753.1	Scaffold209	7999	TT	CC	1940437869
SNP_P1_174391_15499	NW_004515753.1	Scaffold209	15499	GG	AA	1940437870
SNP_P1_174392_15505	NW_004515753.1	Scaffold209	15505	AA	GG	1940437871
SNP_P1_174393_16559	NW_004515753.1	Scaffold209	16559	CC	TT	1940437872
SNP_P1_174395_35827	NW_004515753.1	Scaffold209	35827	GG	AA	1940437873
SNP_P1_174396_37875	NW_004515753.1	Scaffold209	37875	CC	TT	1940437874
SNP_P1_174397_61108	NW_004515753.1	Scaffold209	61108	TT	CC	1940437875
SNP_P1_174398_61493	NW_004515753.1	Scaffold209	61493	TT	CC	1940437876
SNP_P1_174399_65740	NW_004515753.1	Scaffold209	65740	TT	CC	1940437877
SNP_P1_174400_65748	NW_004515753.1	Scaffold209	65748	AA	GG	1940437878
SNP_P1_174401_66132	NW_004515753.1	Scaffold209	66132	CC	TT	1940437879
SNP_P1_174402_66147	NW_004515753.1	Scaffold209	66147	TT	AA	1940437880
SNP_P1_174403_76135	NW_004515753.1	Scaffold209	76135	GG	AA	1940437881
SNP_P1_174404_76470	NW_004515753.1	Scaffold209	76470	AA	TT	1940437882
SNP_P1_174405_78021	NW_004515753.1	Scaffold209	78021	GG	AA	1940437883
SNP_P1_174406_78030	NW_004515753.1	Scaffold209	78030	TT	CC	1940437884
SNP_P1_174407_78034	NW_004515753.1	Scaffold209	78034	CC	TT	1940437885
SNP_P1_174408_78037	NW_004515753.1	Scaffold209	78037	TT	CC	1940437886
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SNP_P1_174416_89506	NW_004515753.1	Scaffold209	89506	CC	AA	1940437894
SNP_P1_174417_89926	NW_004515753.1	Scaffold209	89926	TT	CC	1940437895
SNP_P1_174418_89986	NW_004515753.1	Scaffold209	89986	AA	TT	1940437896
SNP_P1_174419_89997	NW_004515753.1	Scaffold209	89997	GG	AA	1940437897
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SNP_P1_174421_90295	NW_004515753.1	Scaffold209	90295	AA	GG	1940437899
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SNP_P1_174423_92273	NW_004515753.1	Scaffold209	92273	TT	GG	1940437901
SNP_P1_174424_92709	NW_004515753.1	Scaffold209	92709	CC	TT	1940437903

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174429_114124	NW_004515753.1	Scaffold209	114124	AA	CC	1940437908
SNP_P1_174430_114144	NW_004515753.1	Scaffold209	114144	CC	GG	1940437909
SNP_P1_174431_118019	NW_004515753.1	Scaffold209	118019	TT	CC	1940437910
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SNP_P1_174433_138865	NW_004515753.1	Scaffold209	138865	AA	CC	1940437912
SNP_P1_174434_139293	NW_004515753.1	Scaffold209	139293	AA	GG	1940437913
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SNP_P1_174436_139881	NW_004515753.1	Scaffold209	139881	GG	AA	1940437915
SNP_P1_174437_145473	NW_004515753.1	Scaffold209	145473	AA	GG	1940437916
SNP_P1_174438_145481	NW_004515753.1	Scaffold209	145481	CC	AA	1940437917
SNP_P1_174439_145505	NW_004515753.1	Scaffold209	145505	GG	AA	1940437918
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SNP_P1_174441_145551	NW_004515753.1	Scaffold209	145551	GG	TT	1940437920
SNP_P1_174442_145588	NW_004515753.1	Scaffold209	145588	AA	CC	1940437921
SNP_P1_174443_164104	NW_004515753.1	Scaffold209	164104	TT	AA	1940437922
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SNP_P1_174446_198613	NW_004515753.1	Scaffold209	198613	AA	TT	1940437925
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SNP_P1_174448_218140	NW_004515753.1	Scaffold209	218140	TT	AA	1940437927
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SNP_P1_174458_260388	NW_004515753.1	Scaffold209	260388	AA	GG	1940437936
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SNP_P1_174464_278246	NW_004515753.1	Scaffold209	278246	AA	GG	1940437942
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SNP_P1_174467_296445	NW_004515753.1	Scaffold209	296445	GG	CC	1940437945

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174513_345582	NW_004515753.1	Scaffold209	345582	GG	TT	1940437991
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SNP_P1_174546_378879	NW_004515753.1	Scaffold209	378879	TT	CC	1940438022
SNP_P1_174547_378898	NW_004515753.1	Scaffold209	378898	GG	AA	1940438023
SNP_P1_174548_378946	NW_004515753.1	Scaffold209	378946	CC	TT	1940438024
SNP_P1_174549_378947	NW_004515753.1	Scaffold209	378947	TT	CC	1940438025
SNP_P1_174550_379013	NW_004515753.1	Scaffold209	379013	TT	CC	1940438026
SNP_P1_174551_379045	NW_004515753.1	Scaffold209	379045	CC	TT	1940438027
SNP_P1_174552_379135	NW_004515753.1	Scaffold209	379135	AA	GG	1940438028
SNP_P1_174553_380495	NW_004515753.1	Scaffold209	380495	AA	GG	1940438029

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_174554_21107	NW_004515754.1	Scaffold210	21107	CC	TT	1940438030
SNP_P1_174555_31471	NW_004515754.1	Scaffold210	31471	GG	TT	1940438031
SNP_P1_174556_31548	NW_004515754.1	Scaffold210	31548	AA	GG	1940438032
SNP_P1_174557_31555	NW_004515754.1	Scaffold210	31555	AA	GG	1940438033
SNP_P1_174559_31634	NW_004515754.1	Scaffold210	31634	TT	AA	1940438034
SNP_P1_174560_31649	NW_004515754.1	Scaffold210	31649	TT	CC	1940438035
SNP_P1_174561_31654	NW_004515754.1	Scaffold210	31654	AA	GG	1940438036
SNP_P1_174563_31728	NW_004515754.1	Scaffold210	31728	TT	CC	1940438037
SNP_P1_174564_31830	NW_004515754.1	Scaffold210	31830	CC	GG	1940438038
SNP_P1_174565_31831	NW_004515754.1	Scaffold210	31831	AA	GG	1940438039
SNP_P1_174566_31854	NW_004515754.1	Scaffold210	31854	TT	AA	1940438040
SNP_P1_174567_31856	NW_004515754.1	Scaffold210	31856	AA	GG	1940438041
SNP_P1_174568_31883	NW_004515754.1	Scaffold210	31883	TT	CC	1940438042
SNP_P1_174569_31950	NW_004515754.1	Scaffold210	31950	CC	TT	1940438043
SNP_P1_174570_32424	NW_004515754.1	Scaffold210	32424	CC	AA	1940438044
SNP_P1_174572_87547	NW_004515754.1	Scaffold210	87547	TT	GG	1940438045
SNP_P1_174573_95493	NW_004515754.1	Scaffold210	95493	AA	TT	1940438046
SNP_P1_174574_95640	NW_004515754.1	Scaffold210	95640	CC	TT	1940438047
SNP_P1_174575_95742	NW_004515754.1	Scaffold210	95742	GG	AA	1940438049
SNP_P1_174576_95848	NW_004515754.1	Scaffold210	95848	TT	AA	1940438050
SNP_P1_174577_95856	NW_004515754.1	Scaffold210	95856	TT	CC	1940438051
SNP_P1_174578_95912	NW_004515754.1	Scaffold210	95912	TT	GG	1940438052
SNP_P1_174579_95913	NW_004515754.1	Scaffold210	95913	TT	AA	1940438053
SNP_P1_174580_115540	NW_004515754.1	Scaffold210	115540	GG	AA	1940438054
SNP_P1_174581_115908	NW_004515754.1	Scaffold210	115908	CC	AA	1940438055
SNP_P1_174582_123464	NW_004515754.1	Scaffold210	123464	GG	AA	1940438056
SNP_P1_174583_177323	NW_004515754.1	Scaffold210	177323	CC	TT	1940438057
SNP_P1_174584_186924	NW_004515754.1	Scaffold210	186924	GG	AA	1940438058
SNP_P1_174585_191197	NW_004515754.1	Scaffold210	191197	CC	TT	1940438059
SNP_P1_174586_191273	NW_004515754.1	Scaffold210	191273	AA	GG	1940438060
SNP_P1_174587_191292	NW_004515754.1	Scaffold210	191292	AA	GG	1940438061
SNP_P1_174588_191504	NW_004515754.1	Scaffold210	191504	CC	GG	1940438062
SNP_P1_174589_191555	NW_004515754.1	Scaffold210	191555	TT	GG	1940438063
SNP_P1_174590_191930	NW_004515754.1	Scaffold210	191930	TT	AA	1940438064
SNP_P1_174591_191955	NW_004515754.1	Scaffold210	191955	AA	GG	1940438065
SNP_P1_174592_192378	NW_004515754.1	Scaffold210	192378	AA	GG	1940438066
SNP_P1_174593_192425	NW_004515754.1	Scaffold210	192425	AA	TT	1940438067
SNP_P1_174594_192667	NW_004515754.1	Scaffold210	192667	TT	CC	1940438068
SNP_P1_174595_192670	NW_004515754.1	Scaffold210	192670	TT	CC	1940438069
SNP_P1_174596_192697	NW_004515754.1	Scaffold210	192697	TT	CC	1940438070
SNP_P1_174597_192712	NW_004515754.1	Scaffold210	192712	TT	GG	1940438071
SNP_P1_174598_192734	NW_004515754.1	Scaffold210	192734	AA	GG	1940438072

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174600_192822	NW_004515754.1	Scaffold210	192822	GG	AA	1940438074
SNP_P1_174601_192825	NW_004515754.1	Scaffold210	192825	AA	TT	1940438075
SNP_P1_174602_192867	NW_004515754.1	Scaffold210	192867	AA	GG	1940438076
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SNP_P1_174604_233613	NW_004515754.1	Scaffold210	233613	CC	AA	1940438078
SNP_P1_174605_233867	NW_004515754.1	Scaffold210	233867	AA	GG	1940438079
SNP_P1_174606_234011	NW_004515754.1	Scaffold210	234011	TT	GG	1940438080
SNP_P1_174607_235459	NW_004515754.1	Scaffold210	235459	CC	TT	1940438081
SNP_P1_174608_242753	NW_004515754.1	Scaffold210	242753	TT	GG	1940438082
SNP_P1_174609_242908	NW_004515754.1	Scaffold210	242908	GG	CC	1940438083
SNP_P1_174610_243296	NW_004515754.1	Scaffold210	243296	GG	AA	1940438084
SNP_P1_174611_243299	NW_004515754.1	Scaffold210	243299	CC	AA	1940438085
SNP_P1_174612_243340	NW_004515754.1	Scaffold210	243340	CC	AA	1940438086
SNP_P1_174613_243342	NW_004515754.1	Scaffold210	243342	TT	AA	1940438087
SNP_P1_174614_256465	NW_004515754.1	Scaffold210	256465	GG	AA	1940438088
SNP_P1_174615_269377	NW_004515754.1	Scaffold210	269377	AA	GG	1940438089
SNP_P1_174616_269379	NW_004515754.1	Scaffold210	269379	AA	GG	1940438090
SNP_P1_174617_275117	NW_004515754.1	Scaffold210	275117	AA	GG	1940438091
SNP_P1_174618_275118	NW_004515754.1	Scaffold210	275118	AA	GG	1940438092
SNP_P1_174619_275128	NW_004515754.1	Scaffold210	275128	GG	AA	1940438093
SNP_P1_174620_275135	NW_004515754.1	Scaffold210	275135	GG	AA	1940438094
SNP_P1_174621_275142	NW_004515754.1	Scaffold210	275142	GG	AA	1940438095
SNP_P1_174622_275155	NW_004515754.1	Scaffold210	275155	AA	GG	1940438096
SNP_P1_174623_275158	NW_004515754.1	Scaffold210	275158	CC	TT	1940438097
SNP_P1_174624_275162	NW_004515754.1	Scaffold210	275162	CC	TT	1940438098
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SNP_P1_174626_298803	NW_004515754.1	Scaffold210	298803	GG	AA	1940438100
SNP_P1_174627_298816	NW_004515754.1	Scaffold210	298816	AA	GG	1940438101
SNP_P1_174628_298817	NW_004515754.1	Scaffold210	298817	TT	AA	1940438102
SNP_P1_174629_298818	NW_004515754.1	Scaffold210	298818	TT	AA	1940438103
SNP_P1_174631_299066	NW_004515754.1	Scaffold210	299066	TT	CC	1940438104
SNP_P1_174632_299118	NW_004515754.1	Scaffold210	299118	TT	CC	1940438105
SNP_P1_174634_300815	NW_004515754.1	Scaffold210	300815	CC	GG	1940438106
SNP_P1_174635_302438	NW_004515754.1	Scaffold210	302438	GG	AA	1940438107
SNP_P1_174636_343857	NW_004515754.1	Scaffold210	343857	GG	AA	1940438108
SNP_P1_174637_343872	NW_004515754.1	Scaffold210	343872	CC	GG	1940438109
SNP_P1_174638_345099	NW_004515754.1	Scaffold210	345099	TT	AA	1940438110
SNP_P1_174639_345205	NW_004515754.1	Scaffold210	345205	GG	AA	1940438111
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SNP_P1_174641_345366	NW_004515754.1	Scaffold210	345366	TT	AA	1940438113
SNP_P1_174642_345628	NW_004515754.1	Scaffold210	345628	GG	TT	1940438114

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174644_382104	NW_004515754.1	Scaffold210	382104	CC	AA	1940438116
SNP_P1_174645_387831	NW_004515754.1	Scaffold210	387831	GG	AA	1940438117
SNP_P1_174646_388211	NW_004515754.1	Scaffold210	388211	AA	GG	1940438118
SNP_P1_174647_388266	NW_004515754.1	Scaffold210	388266	CC	TT	1940438119
SNP_P1_174648_389237	NW_004515754.1	Scaffold210	389237	GG	AA	1940438120
SNP_P1_174649_395001	NW_004515754.1	Scaffold210	395001	GG	TT	1940438121
SNP_P1_174651_429654	NW_004515754.1	Scaffold210	429654	AA	GG	1940438122
SNP_P1_174652_429663	NW_004515754.1	Scaffold210	429663	TT	AA	1940438123
SNP_P1_174653_429715	NW_004515754.1	Scaffold210	429715	CC	TT	1940438124
SNP_P1_174654_429731	NW_004515754.1	Scaffold210	429731	AA	CC	1940438125
SNP_P1_174655_429752	NW_004515754.1	Scaffold210	429752	AA	GG	1940438126
SNP_P1_174656_429757	NW_004515754.1	Scaffold210	429757	TT	CC	1940438127
SNP_P1_174657_429784	NW_004515754.1	Scaffold210	429784	AA	TT	1940438128
SNP_P1_174658_429788	NW_004515754.1	Scaffold210	429788	CC	GG	1940438129
SNP_P1_174659_429794	NW_004515754.1	Scaffold210	429794	TT	GG	1940438130
SNP_P1_174660_429796	NW_004515754.1	Scaffold210	429796	TT	AA	1940438131
SNP_P1_174661_429861	NW_004515754.1	Scaffold210	429861	GG	TT	1940438132
SNP_P1_174662_480696	NW_004515754.1	Scaffold210	480696	AA	GG	1940438133
SNP_P1_174663_480727	NW_004515754.1	Scaffold210	480727	AA	GG	1940438134
SNP_P1_174664_483596	NW_004515754.1	Scaffold210	483596	AA	GG	1940438135
SNP_P1_174665_483683	NW_004515754.1	Scaffold210	483683	TT	AA	1940438136
SNP_P1_174666_509019	NW_004515754.1	Scaffold210	509019	AA	TT	1940438137
SNP_P1_174667_513583	NW_004515754.1	Scaffold210	513583	TT	GG	1940438138
SNP_P1_174668_513599	NW_004515754.1	Scaffold210	513599	CC	TT	1940438139
SNP_P1_174669_513661	NW_004515754.1	Scaffold210	513661	AA	GG	1940438140
SNP_P1_174670_513681	NW_004515754.1	Scaffold210	513681	TT	AA	1940438141
SNP_P1_174671_516918	NW_004515754.1	Scaffold210	516918	GG	CC	1940438142
SNP_P1_174672_516922	NW_004515754.1	Scaffold210	516922	CC	TT	1940438143
SNP_P1_174673_516924	NW_004515754.1	Scaffold210	516924	TT	GG	1940438144
SNP_P1_174674_516937	NW_004515754.1	Scaffold210	516937	AA	CC	1940438145
SNP_P1_174675_516954	NW_004515754.1	Scaffold210	516954	AA	GG	1940438146
SNP_P1_174676_529625	NW_004515754.1	Scaffold210	529625	TT	CC	1940438147
SNP_P1_174678_550501	NW_004515754.1	Scaffold210	550501	TT	GG	1940438148
SNP_P1_174679_554379	NW_004515754.1	Scaffold210	554379	CC	TT	1940438149
SNP_P1_174680_572526	NW_004515754.1	Scaffold210	572526	GG	AA	1940438150
SNP_P1_174681_572877	NW_004515754.1	Scaffold210	572877	CC	TT	1940438151
SNP_P1_174682_572907	NW_004515754.1	Scaffold210	572907	CC	TT	1940438152
SNP_P1_174683_572925	NW_004515754.1	Scaffold210	572925	GG	TT	1940438153
SNP_P1_174684_572975	NW_004515754.1	Scaffold210	572975	TT	CC	1940438154
SNP_P1_174685_573013	NW_004515754.1	Scaffold210	573013	AA	GG	1940438155
SNP_P1_174686_575796	NW_004515754.1	Scaffold210	575796	AA	GG	1940438156

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174688_576694	NW_004515754.1	Scaffold210	576694	TT	GG	1940438158
SNP_P1_174689_576711	NW_004515754.1	Scaffold210	576711	AA	CC	1940438159
SNP_P1_174690_576766	NW_004515754.1	Scaffold210	576766	TT	AA	1940438160
SNP_P1_174691_576855	NW_004515754.1	Scaffold210	576855	CC	TT	1940438161
SNP_P1_174692_576909	NW_004515754.1	Scaffold210	576909	GG	CC	1940438162
SNP_P1_174693_576950	NW_004515754.1	Scaffold210	576950	GG	AA	1940438163
SNP_P1_174694_577006	NW_004515754.1	Scaffold210	577006	TT	AA	1940438164
SNP_P1_174695_577019	NW_004515754.1	Scaffold210	577019	GG	TT	1940438165
SNP_P1_174696_577028	NW_004515754.1	Scaffold210	577028	AA	TT	1940438166
SNP_P1_174698_577402	NW_004515754.1	Scaffold210	577402	AA	GG	1940438167
SNP_P1_174699_577466	NW_004515754.1	Scaffold210	577466	AA	GG	1940438168
SNP_P1_174700_577491	NW_004515754.1	Scaffold210	577491	GG	AA	1940438169
SNP_P1_174701_577591	NW_004515754.1	Scaffold210	577591	GG	AA	1940438170
SNP_P1_174702_577641	NW_004515754.1	Scaffold210	577641	AA	CC	1940438171
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SNP_P1_174704_577698	NW_004515754.1	Scaffold210	577698	GG	AA	1940438173
SNP_P1_174705_577781	NW_004515754.1	Scaffold210	577781	AA	GG	1940438174
SNP_P1_174706_577869	NW_004515754.1	Scaffold210	577869	TT	CC	1940438175
SNP_P1_174707_577911	NW_004515754.1	Scaffold210	577911	AA	CC	1940438176
SNP_P1_174708_580337	NW_004515754.1	Scaffold210	580337	CC	GG	1940438177
SNP_P1_174709_580375	NW_004515754.1	Scaffold210	580375	AA	CC	1940438178
SNP_P1_174710_580596	NW_004515754.1	Scaffold210	580596	CC	GG	1940438179
SNP_P1_174711_580602	NW_004515754.1	Scaffold210	580602	AA	CC	1940438180
SNP_P1_174712_580628	NW_004515754.1	Scaffold210	580628	TT	AA	1940438181
SNP_P1_174713_580670	NW_004515754.1	Scaffold210	580670	CC	AA	1940438182
SNP_P1_174715_581026	NW_004515754.1	Scaffold210	581026	GG	TT	1940438183
SNP_P1_174716_598029	NW_004515754.1	Scaffold210	598029	AA	CC	1940438184
SNP_P1_174717_598046	NW_004515754.1	Scaffold210	598046	AA	TT	1940438185
SNP_P1_174718_599091	NW_004515754.1	Scaffold210	599091	CC	GG	1940438186
SNP_P1_174719_614689	NW_004515754.1	Scaffold210	614689	CC	GG	1940438187
SNP_P1_174720_614910	NW_004515754.1	Scaffold210	614910	CC	TT	1940438188
SNP_P1_174721_617332	NW_004515754.1	Scaffold210	617332	AA	TT	1940438189
SNP_P1_174722_620485	NW_004515754.1	Scaffold210	620485	TT	GG	1940438190
SNP_P1_174723_620807	NW_004515754.1	Scaffold210	620807	GG	TT	1940438191
SNP_P1_174724_620819	NW_004515754.1	Scaffold210	620819	TT	CC	1940438192
SNP_P1_174726_621139	NW_004515754.1	Scaffold210	621139	TT	GG	1940438193
SNP_P1_174727_621563	NW_004515754.1	Scaffold210	621563	CC	AA	1940438194
SNP_P1_174728_621606	NW_004515754.1	Scaffold210	621606	TT	CC	1940438195
SNP_P1_174729_621614	NW_004515754.1	Scaffold210	621614	AA	GG	1940438196
SNP_P1_174730_621645	NW_004515754.1	Scaffold210	621645	AA	GG	1940438197
SNP_P1_174731_621857	NW_004515754.1	Scaffold210	621857	TT	AA	1940438198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174733_622493	NW_004515754.1	Scaffold210	622493	TT	AA	1940438200
SNP_P1_174734_622527	NW_004515754.1	Scaffold210	622527	TT	AA	1940438201
SNP_P1_174735_622528	NW_004515754.1	Scaffold210	622528	GG	CC	1940438202
SNP_P1_174736_622594	NW_004515754.1	Scaffold210	622594	AA	GG	1940438204
SNP_P1_174737_622638	NW_004515754.1	Scaffold210	622638	TT	CC	1940438205
SNP_P1_174738_622826	NW_004515754.1	Scaffold210	622826	GG	CC	1940438206
SNP_P1_174739_623751	NW_004515754.1	Scaffold210	623751	TT	AA	1940438207
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SNP_P1_174741_3311	NW_004515755.1	Scaffold212	3311	TT	CC	1940438209
SNP_P1_174742_3652	NW_004515755.1	Scaffold212	3652	CC	AA	1940438210
SNP_P1_174743_8325	NW_004515755.1	Scaffold212	8325	CC	GG	1940438211
SNP_P1_174744_8739	NW_004515755.1	Scaffold212	8739	CC	GG	1940438212
SNP_P1_174745_8808	NW_004515755.1	Scaffold212	8808	CC	TT	1940438213
SNP_P1_174746_9052	NW_004515755.1	Scaffold212	9052	TT	GG	1940438214
SNP_P1_174747_9132	NW_004515755.1	Scaffold212	9132	AA	GG	1940438215
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SNP_P1_174749_40415	NW_004515755.1	Scaffold212	40415	AA	GG	1940438217
SNP_P1_174750_40429	NW_004515755.1	Scaffold212	40429	AA	TT	1940438218
SNP_P1_174751_45770	NW_004515755.1	Scaffold212	45770	AA	GG	1940438219
SNP_P1_174752_64573	NW_004515755.1	Scaffold212	64573	CC	GG	1940438220
SNP_P1_174753_64595	NW_004515755.1	Scaffold212	64595	AA	TT	1940438221
SNP_P1_174754_64609	NW_004515755.1	Scaffold212	64609	CC	AA	1940438222
SNP_P1_174755_66038	NW_004515755.1	Scaffold212	66038	TT	CC	1940438223
SNP_P1_174756_66050	NW_004515755.1	Scaffold212	66050	TT	CC	1940438224
SNP_P1_174757_66275	NW_004515755.1	Scaffold212	66275	TT	CC	1940438225
SNP_P1_174758_83898	NW_004515755.1	Scaffold212	83898	CC	AA	1940438226
SNP_P1_174759_83918	NW_004515755.1	Scaffold212	83918	CC	AA	1940438227
SNP_P1_174760_83920	NW_004515755.1	Scaffold212	83920	AA	GG	1940438228
SNP_P1_174761_87652	NW_004515755.1	Scaffold212	87652	AA	CC	1940438229
SNP_P1_174762_88055	NW_004515755.1	Scaffold212	88055	AA	GG	1940438230
SNP_P1_174763_101260	NW_004515755.1	Scaffold212	101260	CC	AA	1940438231
SNP_P1_174764_101264	NW_004515755.1	Scaffold212	101264	GG	AA	1940438232
SNP_P1_174765_101265	NW_004515755.1	Scaffold212	101265	GG	AA	1940438233
SNP_P1_174766_101267	NW_004515755.1	Scaffold212	101267	GG	AA	1940438234
SNP_P1_174767_101268	NW_004515755.1	Scaffold212	101268	TT	GG	1940438235
SNP_P1_174768_101314	NW_004515755.1	Scaffold212	101314	GG	CC	1940438236
SNP_P1_174769_101346	NW_004515755.1	Scaffold212	101346	TT	GG	1940438237
SNP_P1_174770_125783	NW_004515755.1	Scaffold212	125783	GG	AA	1940438238
SNP_P1_174771_125786	NW_004515755.1	Scaffold212	125786	AA	CC	1940438239
SNP_P1_174773_161438	NW_004515755.1	Scaffold212	161438	AA	CC	1940438240
SNP_P1_174774_161447	NW_004515755.1	Scaffold212	161447	CC	TT	1940438241

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_174775_161458	NW_004515755.1	Scaffold212	161458	AA	GG	1940438242
SNP_P1_174776_161490	NW_004515755.1	Scaffold212	161490	TT	GG	1940438243
SNP_P1_174777_161711	NW_004515755.1	Scaffold212	161711	CC	TT	1940438244
SNP_P1_174778_161743	NW_004515755.1	Scaffold212	161743	GG	CC	1940438245
SNP_P1_174779_161762	NW_004515755.1	Scaffold212	161762	CC	TT	1940438246
SNP_P1_174780_180582	NW_004515755.1	Scaffold212	180582	CC	AA	1940438247
SNP_P1_174782_180832	NW_004515755.1	Scaffold212	180832	CC	TT	1940438248
SNP_P1_174783_180938	NW_004515755.1	Scaffold212	180938	TT	GG	1940438249
SNP_P1_174784_180981	NW_004515755.1	Scaffold212	180981	TT	AA	1940438250
SNP_P1_174785_181056	NW_004515755.1	Scaffold212	181056	CC	AA	1940438251
SNP_P1_174786_181153	NW_004515755.1	Scaffold212	181153	CC	AA	1940438252
SNP_P1_174787_181362	NW_004515755.1	Scaffold212	181362	CC	TT	1940438253
SNP_P1_174788_181367	NW_004515755.1	Scaffold212	181367	AA	TT	1940438254
SNP_P1_174790_183238	NW_004515755.1	Scaffold212	183238	AA	GG	1940438255
SNP_P1_174791_186371	NW_004515755.1	Scaffold212	186371	CC	TT	1940438256
SNP_P1_174792_199023	NW_004515755.1	Scaffold212	199023	AA	TT	1940438257
SNP_P1_174793_207332	NW_004515755.1	Scaffold212	207332	TT	CC	1940438258
SNP_P1_174794_207339	NW_004515755.1	Scaffold212	207339	TT	CC	1940438259
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SNP_P1_174796_207497	NW_004515755.1	Scaffold212	207497	AA	GG	1940438261
SNP_P1_174797_207502	NW_004515755.1	Scaffold212	207502	GG	TT	1940438262
SNP_P1_174798_207542	NW_004515755.1	Scaffold212	207542	AA	CC	1940438263
SNP_P1_174799_207545	NW_004515755.1	Scaffold212	207545	AA	GG	1940438264
SNP_P1_174800_207758	NW_004515755.1	Scaffold212	207758	GG	AA	1940438265
SNP_P1_174801_207809	NW_004515755.1	Scaffold212	207809	TT	CC	1940438266
SNP_P1_174802_207838	NW_004515755.1	Scaffold212	207838	TT	CC	1940438267
SNP_P1_174803_209695	NW_004515755.1	Scaffold212	209695	TT	CC	1940438268
SNP_P1_174804_215617	NW_004515755.1	Scaffold212	215617	AA	CC	1940438269
SNP_P1_174805_215650	NW_004515755.1	Scaffold212	215650	CC	TT	1940438270
SNP_P1_174806_215652	NW_004515755.1	Scaffold212	215652	CC	TT	1940438271
SNP_P1_174807_215654	NW_004515755.1	Scaffold212	215654	TT	GG	1940438272
SNP_P1_174808_215710	NW_004515755.1	Scaffold212	215710	GG	TT	1940438273
SNP_P1_174809_215789	NW_004515755.1	Scaffold212	215789	AA	CC	1940438274
SNP_P1_174810_216020	NW_004515755.1	Scaffold212	216020	AA	TT	1940438275
SNP_P1_174811_216105	NW_004515755.1	Scaffold212	216105	TT	CC	1940438276
SNP_P1_174812_216116	NW_004515755.1	Scaffold212	216116	AA	GG	1940438277
SNP_P1_174813_216163	NW_004515755.1	Scaffold212	216163	CC	TT	1940438278
SNP_P1_174814_216198	NW_004515755.1	Scaffold212	216198	GG	AA	1940438279
SNP_P1_174815_216709	NW_004515755.1	Scaffold212	216709	TT	CC	1940438280
SNP_P1_174816_253161	NW_004515755.1	Scaffold212	253161	TT	CC	1940438281
SNP_P1_174817_253417	NW_004515755.1	Scaffold212	253417	GG	AA	1940438282
SNP_P1_174818_277580	NW_004515755.1	Scaffold212	277580	GG	AA	1940438283

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174821_296272	NW_004515755.1	Scaffold212	296272	GG	CC	1940438285
SNP_P1_174822_296366	NW_004515755.1	Scaffold212	296366	GG	TT	1940438286
SNP_P1_174823_296919	NW_004515755.1	Scaffold212	296919	AA	TT	1940438287
SNP_P1_174825_296929	NW_004515755.1	Scaffold212	296929	TT	GG	1940438288
SNP_P1_174826_296932	NW_004515755.1	Scaffold212	296932	AA	CC	1940438289
SNP_P1_174827_296972	NW_004515755.1	Scaffold212	296972	AA	GG	1940438290
SNP_P1_174828_296981	NW_004515755.1	Scaffold212	296981	TT	AA	1940438291
SNP_P1_174830_324565	NW_004515755.1	Scaffold212	324565	GG	TT	1940438292
SNP_P1_174831_331842	NW_004515755.1	Scaffold212	331842	TT	CC	1940438293
SNP_P1_174832_332813	NW_004515755.1	Scaffold212	332813	CC	TT	1940438294
SNP_P1_174833_332844	NW_004515755.1	Scaffold212	332844	AA	CC	1940438295
SNP_P1_174834_333315	NW_004515755.1	Scaffold212	333315	CC	TT	1940438296
SNP_P1_174835_334546	NW_004515755.1	Scaffold212	334546	CC	AA	1940438297
SNP_P1_174836_346033	NW_004515755.1	Scaffold212	346033	AA	TT	1940438298
SNP_P1_174837_353924	NW_004515755.1	Scaffold212	353924	CC	AA	1940438299
SNP_P1_174838_353931	NW_004515755.1	Scaffold212	353931	AA	TT	1940438300
SNP_P1_174839_354322	NW_004515755.1	Scaffold212	354322	AA	GG	1940438301
SNP_P1_174840_354564	NW_004515755.1	Scaffold212	354564	CC	TT	1940438302
SNP_P1_174841_354623	NW_004515755.1	Scaffold212	354623	AA	TT	1940438303
SNP_P1_174842_356364	NW_004515755.1	Scaffold212	356364	AA	CC	1940438304
SNP_P1_174843_356394	NW_004515755.1	Scaffold212	356394	TT	CC	1940438305
SNP_P1_174844_356470	NW_004515755.1	Scaffold212	356470	GG	CC	1940438306
SNP_P1_174845_356490	NW_004515755.1	Scaffold212	356490	AA	CC	1940438307
SNP_P1_174846_356527	NW_004515755.1	Scaffold212	356527	AA	TT	1940438308
SNP_P1_174847_356531	NW_004515755.1	Scaffold212	356531	AA	GG	1940438309
SNP_P1_174849_356587	NW_004515755.1	Scaffold212	356587	TT	CC	1940438310
SNP_P1_174850_356619	NW_004515755.1	Scaffold212	356619	TT	CC	1940438311
SNP_P1_174851_356634	NW_004515755.1	Scaffold212	356634	GG	TT	1940438312
SNP_P1_174852_356814	NW_004515755.1	Scaffold212	356814	TT	CC	1940438313
SNP_P1_174853_356837	NW_004515755.1	Scaffold212	356837	AA	GG	1940438314
SNP_P1_174854_356840	NW_004515755.1	Scaffold212	356840	AA	GG	1940438315
SNP_P1_174855_356874	NW_004515755.1	Scaffold212	356874	AA	CC	1940438316
SNP_P1_174856_356885	NW_004515755.1	Scaffold212	356885	CC	GG	1940438317
SNP_P1_174857_356896	NW_004515755.1	Scaffold212	356896	TT	GG	1940438318
SNP_P1_174858_356937	NW_004515755.1	Scaffold212	356937	GG	AA	1940438319
SNP_P1_174859_356940	NW_004515755.1	Scaffold212	356940	TT	GG	1940438320
SNP_P1_174860_356979	NW_004515755.1	Scaffold212	356979	GG	AA	1940438321
SNP_P1_174861_357016	NW_004515755.1	Scaffold212	357016	CC	TT	1940438322
SNP_P1_174862_363979	NW_004515755.1	Scaffold212	363979	TT	AA	1940438323
SNP_P1_174863_365447	NW_004515755.1	Scaffold212	365447	TT	AA	1940438324
SNP_P1_174864_365672	NW_004515755.1	Scaffold212	365672	AA	GG	1940438325

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174866_366039	NW_004515755.1	Scaffold212	366039	TT	CC	1940438327
SNP_P1_174867_367924	NW_004515755.1	Scaffold212	367924	TT	CC	1940438328
SNP_P1_174868_367957	NW_004515755.1	Scaffold212	367957	AA	GG	1940438329
SNP_P1_174870_368558	NW_004515755.1	Scaffold212	368558	AA	GG	1940438330
SNP_P1_174871_368868	NW_004515755.1	Scaffold212	368868	GG	TT	1940438331
SNP_P1_174872_369058	NW_004515755.1	Scaffold212	369058	AA	GG	1940438332
SNP_P1_174873_375053	NW_004515755.1	Scaffold212	375053	CC	AA	1940438333
SNP_P1_174874_381109	NW_004515755.1	Scaffold212	381109	GG	TT	1940438334
SNP_P1_174877_462542	NW_004515755.1	Scaffold212	462542	GG	AA	1940438335
SNP_P1_174878_463338	NW_004515755.1	Scaffold212	463338	CC	TT	1940438337
SNP_P1_174879_463392	NW_004515755.1	Scaffold212	463392	TT	CC	1940438338
SNP_P1_174880_463452	NW_004515755.1	Scaffold212	463452	GG	AA	1940438339
SNP_P1_174881_463476	NW_004515755.1	Scaffold212	463476	TT	GG	1940438340
SNP_P1_174882_463503	NW_004515755.1	Scaffold212	463503	TT	AA	1940438341
SNP_P1_174883_463544	NW_004515755.1	Scaffold212	463544	AA	GG	1940438342
SNP_P1_174884_463583	NW_004515755.1	Scaffold212	463583	GG	AA	1940438343
SNP_P1_174885_463584	NW_004515755.1	Scaffold212	463584	GG	CC	1940438344
SNP_P1_174886_463589	NW_004515755.1	Scaffold212	463589	AA	GG	1940438345
SNP_P1_174887_463747	NW_004515755.1	Scaffold212	463747	CC	TT	1940438346
SNP_P1_174888_463748	NW_004515755.1	Scaffold212	463748	TT	CC	1940438347
SNP_P1_174890_463928	NW_004515755.1	Scaffold212	463928	TT	CC	1940438348
SNP_P1_174891_464490	NW_004515755.1	Scaffold212	464490	AA	GG	1940438349
SNP_P1_174892_464562	NW_004515755.1	Scaffold212	464562	AA	GG	1940438350
SNP_P1_174893_464598	NW_004515755.1	Scaffold212	464598	GG	AA	1940438351
SNP_P1_174895_485933	NW_004515755.1	Scaffold212	485933	AA	GG	1940438352
SNP_P1_174896_495343	NW_004515755.1	Scaffold212	495343	AA	GG	1940438353
SNP_P1_174897_500616	NW_004515755.1	Scaffold212	500616	TT	AA	1940438354
SNP_P1_174898_500661	NW_004515755.1	Scaffold212	500661	CC	TT	1940438355
SNP_P1_174899_500664	NW_004515755.1	Scaffold212	500664	TT	CC	1940438356
SNP_P1_174900_500670	NW_004515755.1	Scaffold212	500670	GG	AA	1940438357
SNP_P1_174901_500674	NW_004515755.1	Scaffold212	500674	CC	TT	1940438358
SNP_P1_174902_500687	NW_004515755.1	Scaffold212	500687	TT	GG	1940438359
SNP_P1_174903_500916	NW_004515755.1	Scaffold212	500916	TT	CC	1940438360
SNP_P1_174905_500932	NW_004515755.1	Scaffold212	500932	AA	TT	1940438361
SNP_P1_174906_500934	NW_004515755.1	Scaffold212	500934	TT	GG	1940438362
SNP_P1_174907_500941	NW_004515755.1	Scaffold212	500941	AA	CC	1940438363
SNP_P1_174908_500942	NW_004515755.1	Scaffold212	500942	GG	AA	1940438364
SNP_P1_174909_500949	NW_004515755.1	Scaffold212	500949	TT	CC	1940438365
SNP_P1_174910_501001	NW_004515755.1	Scaffold212	501001	GG	CC	1940438366
SNP_P1_174911_501033	NW_004515755.1	Scaffold212	501033	TT	GG	1940438367
SNP_P1_174912_501047	NW_004515755.1	Scaffold212	501047	CC	GG	1940438368

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174914_6875	NW_004515756.1	Scaffold214	6875	GG	TT	1940438370
SNP_P1_174915_6937	NW_004515756.1	Scaffold214	6937	CC	TT	1940438371
SNP_P1_174916_6993	NW_004515756.1	Scaffold214	6993	GG	TT	1940438372
SNP_P1_174917_7303	NW_004515756.1	Scaffold214	7303	CC	GG	1940438373
SNP_P1_174918_7511	NW_004515756.1	Scaffold214	7511	AA	TT	1940438374
SNP_P1_174919_7599	NW_004515756.1	Scaffold214	7599	CC	TT	1940438375
SNP_P1_174920_14322	NW_004515756.1	Scaffold214	14322	AA	CC	1940438376
SNP_P1_174921_14400	NW_004515756.1	Scaffold214	14400	AA	GG	1940438377
SNP_P1_174922_18809	NW_004515756.1	Scaffold214	18809	CC	TT	1940438378
SNP_P1_174923_18872	NW_004515756.1	Scaffold214	18872	CC	TT	1940438379
SNP_P1_174925_18899	NW_004515756.1	Scaffold214	18899	TT	CC	1940438380
SNP_P1_174926_19171	NW_004515756.1	Scaffold214	19171	AA	GG	1940438381
SNP_P1_174927_19302	NW_004515756.1	Scaffold214	19302	TT	CC	1940438382
SNP_P1_174928_19659	NW_004515756.1	Scaffold214	19659	TT	GG	1940438383
SNP_P1_174929_23731	NW_004515756.1	Scaffold214	23731	CC	TT	1940438384
SNP_P1_174930_24773	NW_004515756.1	Scaffold214	24773	AA	GG	1940438385
SNP_P1_174931_33090	NW_004515756.1	Scaffold214	33090	AA	GG	1940438386
SNP_P1_174932_34593	NW_004515756.1	Scaffold214	34593	AA	CC	1940438387
SNP_P1_174933_34823	NW_004515756.1	Scaffold214	34823	AA	TT	1940438388
SNP_P1_174934_34983	NW_004515756.1	Scaffold214	34983	TT	GG	1940438389
SNP_P1_174935_35004	NW_004515756.1	Scaffold214	35004	GG	TT	1940438390
SNP_P1_174936_35095	NW_004515756.1	Scaffold214	35095	CC	AA	1940438391
SNP_P1_174937_35219	NW_004515756.1	Scaffold214	35219	TT	GG	1940438392
SNP_P1_174938_35355	NW_004515756.1	Scaffold214	35355	TT	CC	1940438393
SNP_P1_174939_35375	NW_004515756.1	Scaffold214	35375	AA	GG	1940438394
SNP_P1_174940_39306	NW_004515756.1	Scaffold214	39306	AA	GG	1940438395
SNP_P1_174941_39343	NW_004515756.1	Scaffold214	39343	AA	TT	1940438396
SNP_P1_174942_48011	NW_004515756.1	Scaffold214	48011	TT	CC	1940438397
SNP_P1_174943_48308	NW_004515756.1	Scaffold214	48308	GG	AA	1940438398
SNP_P1_174944_48326	NW_004515756.1	Scaffold214	48326	AA	GG	1940438399
SNP_P1_174945_48359	NW_004515756.1	Scaffold214	48359	TT	AA	1940438400
SNP_P1_174946_49309	NW_004515756.1	Scaffold214	49309	CC	TT	1940438401
SNP_P1_174947_49796	NW_004515756.1	Scaffold214	49796	CC	TT	1940438402
SNP_P1_174948_50174	NW_004515756.1	Scaffold214	50174	GG	TT	1940438403
SNP_P1_174949_51531	NW_004515756.1	Scaffold214	51531	AA	CC	1940438404
SNP_P1_174950_51914	NW_004515756.1	Scaffold214	51914	TT	CC	1940438405
SNP_P1_174951_51943	NW_004515756.1	Scaffold214	51943	TT	CC	1940438406
SNP_P1_174952_52008	NW_004515756.1	Scaffold214	52008	AA	GG	1940438407
SNP_P1_174953_52009	NW_004515756.1	Scaffold214	52009	GG	TT	1940438408
SNP_P1_174954_52029	NW_004515756.1	Scaffold214	52029	CC	TT	1940438409
SNP_P1_174955_52033	NW_004515756.1	Scaffold214	52033	TT	AA	1940438410

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_174957_52040	NW_004515756.1	Scaffold214	52040	AA	GG	1940438412
SNP_P1_174958_52042	NW_004515756.1	Scaffold214	52042	CC	AA	1940438413
SNP_P1_174959_52044	NW_004515756.1	Scaffold214	52044	TT	GG	1940438414
SNP_P1_174960_52048	NW_004515756.1	Scaffold214	52048	CC	TT	1940438415
SNP_P1_174961_52267	NW_004515756.1	Scaffold214	52267	AA	GG	1940438416
SNP_P1_174962_54711	NW_004515756.1	Scaffold214	54711	AA	GG	1940438417
SNP_P1_174963_54754	NW_004515756.1	Scaffold214	54754	CC	TT	1940438418
SNP_P1_174964_54832	NW_004515756.1	Scaffold214	54832	TT	GG	1940438419
SNP_P1_174965_54890	NW_004515756.1	Scaffold214	54890	TT	AA	1940438420
SNP_P1_174966_55172	NW_004515756.1	Scaffold214	55172	CC	TT	1940438421
SNP_P1_174967_55243	NW_004515756.1	Scaffold214	55243	TT	CC	1940438422
SNP_P1_174968_55245	NW_004515756.1	Scaffold214	55245	TT	CC	1940438423
SNP_P1_174969_55261	NW_004515756.1	Scaffold214	55261	GG	AA	1940438424
SNP_P1_174970_59390	NW_004515756.1	Scaffold214	59390	CC	TT	1940438425
SNP_P1_174971_59760	NW_004515756.1	Scaffold214	59760	CC	GG	1940438426
SNP_P1_174972_59809	NW_004515756.1	Scaffold214	59809	CC	GG	1940438427
SNP_P1_174973_59823	NW_004515756.1	Scaffold214	59823	GG	AA	1940438428
SNP_P1_174974_65911	NW_004515756.1	Scaffold214	65911	AA	GG	1940438429
SNP_P1_174975_70320	NW_004515756.1	Scaffold214	70320	CC	GG	1940438430
SNP_P1_174976_71156	NW_004515756.1	Scaffold214	71156	GG	AA	1940438431
SNP_P1_174977_72795	NW_004515756.1	Scaffold214	72795	CC	TT	1940438432
SNP_P1_174978_72797	NW_004515756.1	Scaffold214	72797	AA	TT	1940438433
SNP_P1_174979_72811	NW_004515756.1	Scaffold214	72811	CC	TT	1940438434
SNP_P1_174980_72816	NW_004515756.1	Scaffold214	72816	CC	TT	1940438435
SNP_P1_174981_72827	NW_004515756.1	Scaffold214	72827	GG	AA	1940438436
SNP_P1_174983_79228	NW_004515756.1	Scaffold214	79228	GG	AA	1940438437
SNP_P1_174984_79386	NW_004515756.1	Scaffold214	79386	GG	AA	1940438438
SNP_P1_174985_79522	NW_004515756.1	Scaffold214	79522	AA	GG	1940438439
SNP_P1_174986_81036	NW_004515756.1	Scaffold214	81036	TT	GG	1940438440
SNP_P1_174987_81093	NW_004515756.1	Scaffold214	81093	AA	TT	1940438441
SNP_P1_174988_81344	NW_004515756.1	Scaffold214	81344	CC	TT	1940438442
SNP_P1_174989_81499	NW_004515756.1	Scaffold214	81499	GG	AA	1940438443
SNP_P1_174990_82070	NW_004515756.1	Scaffold214	82070	AA	TT	1940438444
SNP_P1_174991_87034	NW_004515756.1	Scaffold214	87034	AA	GG	1940438445
SNP_P1_174992_87444	NW_004515756.1	Scaffold214	87444	GG	CC	1940438446
SNP_P1_174993_89109	NW_004515756.1	Scaffold214	89109	CC	TT	1940438447
SNP_P1_174994_89159	NW_004515756.1	Scaffold214	89159	TT	CC	1940438448
SNP_P1_174995_89443	NW_004515756.1	Scaffold214	89443	GG	CC	1940438449
SNP_P1_174996_89445	NW_004515756.1	Scaffold214	89445	GG	CC	1940438450
SNP_P1_174997_89850	NW_004515756.1	Scaffold214	89850	GG	AA	1940438451
SNP_P1_174998_92041	NW_004515756.1	Scaffold214	92041	CC	AA	1940438452

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_174999_92188	NW_004515756.1	Scaffold214	92188	CC	TT	1940438453
SNP_P1_175000_92340	NW_004515756.1	Scaffold214	92340	GG	AA	1940438454
SNP_P1_175001_93705	NW_004515756.1	Scaffold214	93705	TT	CC	1940438455
SNP_P1_175002_98505	NW_004515756.1	Scaffold214	98505	AA	TT	1940438456
SNP_P1_175003_102598	NW_004515756.1	Scaffold214	102598	CC	TT	1940438457
SNP_P1_175004_102642	NW_004515756.1	Scaffold214	102642	GG	CC	1940438458
SNP_P1_175005_103268	NW_004515756.1	Scaffold214	103268	CC	TT	1940438459
SNP_P1_175006_103346	NW_004515756.1	Scaffold214	103346	GG	CC	1940438461
SNP_P1_175007_106218	NW_004515756.1	Scaffold214	106218	TT	CC	1940438462
SNP_P1_175008_106450	NW_004515756.1	Scaffold214	106450	GG	AA	1940438463
SNP_P1_175009_106483	NW_004515756.1	Scaffold214	106483	TT	AA	1940438464
SNP_P1_175010_119977	NW_004515756.1	Scaffold214	119977	CC	GG	1940438465
SNP_P1_175011_120227	NW_004515756.1	Scaffold214	120227	CC	AA	1940438466
SNP_P1_175012_122889	NW_004515756.1	Scaffold214	122889	GG	AA	1940438467
SNP_P1_175013_122927	NW_004515756.1	Scaffold214	122927	TT	AA	1940438468
SNP_P1_175014_122951	NW_004515756.1	Scaffold214	122951	TT	AA	1940438469
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SNP_P1_175016_125677	NW_004515756.1	Scaffold214	125677	GG	AA	1940438471
SNP_P1_175017_125782	NW_004515756.1	Scaffold214	125782	GG	AA	1940438472
SNP_P1_175018_126095	NW_004515756.1	Scaffold214	126095	TT	GG	1940438473
SNP_P1_175019_127104	NW_004515756.1	Scaffold214	127104	TT	AA	1940438474
SNP_P1_175020_127416	NW_004515756.1	Scaffold214	127416	GG	TT	1940438475
SNP_P1_175021_127872	NW_004515756.1	Scaffold214	127872	AA	TT	1940438476
SNP_P1_175022_127876	NW_004515756.1	Scaffold214	127876	AA	CC	1940438477
SNP_P1_175023_128048	NW_004515756.1	Scaffold214	128048	AA	CC	1940438478
SNP_P1_175024_128104	NW_004515756.1	Scaffold214	128104	CC	TT	1940438479
SNP_P1_175025_128109	NW_004515756.1	Scaffold214	128109	CC	TT	1940438480
SNP_P1_175026_128248	NW_004515756.1	Scaffold214	128248	GG	AA	1940438481
SNP_P1_175027_131111	NW_004515756.1	Scaffold214	131111	TT	AA	1940438482
SNP_P1_175028_131186	NW_004515756.1	Scaffold214	131186	CC	TT	1940438483
SNP_P1_175029_131287	NW_004515756.1	Scaffold214	131287	GG	AA	1940438484
SNP_P1_175030_135159	NW_004515756.1	Scaffold214	135159	GG	TT	1940438485
SNP_P1_175031_136950	NW_004515756.1	Scaffold214	136950	AA	TT	1940438486
SNP_P1_175032_136994	NW_004515756.1	Scaffold214	136994	AA	TT	1940438487
SNP_P1_175033_137032	NW_004515756.1	Scaffold214	137032	TT	CC	1940438488
SNP_P1_175034_137223	NW_004515756.1	Scaffold214	137223	AA	GG	1940438489
SNP_P1_175036_137401	NW_004515756.1	Scaffold214	137401	AA	TT	1940438490
SNP_P1_175037_137404	NW_004515756.1	Scaffold214	137404	AA	GG	1940438491
SNP_P1_175038_138400	NW_004515756.1	Scaffold214	138400	GG	AA	1940438492
SNP_P1_175039_138486	NW_004515756.1	Scaffold214	138486	GG	TT	1940438493
SNP_P1_175040_138712	NW_004515756.1	Scaffold214	138712	TT	GG	1940438494
SNP_P1_175041_138771	NW_004515756.1	Scaffold214	138771	AA	GG	1940438495

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175043_138912	NW_004515756.1	Scaffold214	138912	GG	AA	1940438497
SNP_P1_175044_139070	NW_004515756.1	Scaffold214	139070	GG	TT	1940438498
SNP_P1_175045_139206	NW_004515756.1	Scaffold214	139206	CC	TT	1940438499
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SNP_P1_175048_139309	NW_004515756.1	Scaffold214	139309	AA	CC	1940438502
SNP_P1_175049_139401	NW_004515756.1	Scaffold214	139401	TT	GG	1940438503
SNP_P1_175050_139412	NW_004515756.1	Scaffold214	139412	TT	CC	1940438504
SNP_P1_175051_139601	NW_004515756.1	Scaffold214	139601	TT	CC	1940438505
SNP_P1_175052_139602	NW_004515756.1	Scaffold214	139602	GG	AA	1940438506
SNP_P1_175053_139625	NW_004515756.1	Scaffold214	139625	TT	AA	1940438507
SNP_P1_175054_139648	NW_004515756.1	Scaffold214	139648	TT	GG	1940438508
SNP_P1_175055_141564	NW_004515756.1	Scaffold214	141564	GG	AA	1940438509
SNP_P1_175056_141581	NW_004515756.1	Scaffold214	141581	TT	AA	1940438510
SNP_P1_175057_141616	NW_004515756.1	Scaffold214	141616	AA	GG	1940438511
SNP_P1_175058_141797	NW_004515756.1	Scaffold214	141797	AA	CC	1940438512
SNP_P1_175059_141882	NW_004515756.1	Scaffold214	141882	GG	AA	1940438513
SNP_P1_175060_141932	NW_004515756.1	Scaffold214	141932	GG	AA	1940438514
SNP_P1_175061_141935	NW_004515756.1	Scaffold214	141935	CC	TT	1940438515
SNP_P1_175062_142781	NW_004515756.1	Scaffold214	142781	AA	GG	1940438516
SNP_P1_175063_142799	NW_004515756.1	Scaffold214	142799	GG	CC	1940438517
SNP_P1_175064_142849	NW_004515756.1	Scaffold214	142849	AA	TT	1940438518
SNP_P1_175065_142875	NW_004515756.1	Scaffold214	142875	AA	CC	1940438519
SNP_P1_175066_143703	NW_004515756.1	Scaffold214	143703	AA	GG	1940438520
SNP_P1_175067_143786	NW_004515756.1	Scaffold214	143786	TT	AA	1940438521
SNP_P1_175068_143805	NW_004515756.1	Scaffold214	143805	AA	GG	1940438522
SNP_P1_175069_143876	NW_004515756.1	Scaffold214	143876	AA	CC	1940438523
SNP_P1_175070_143985	NW_004515756.1	Scaffold214	143985	TT	CC	1940438524
SNP_P1_175071_143991	NW_004515756.1	Scaffold214	143991	AA	CC	1940438525
SNP_P1_175072_144012	NW_004515756.1	Scaffold214	144012	TT	GG	1940438526
SNP_P1_175073_144019	NW_004515756.1	Scaffold214	144019	TT	AA	1940438527
SNP_P1_175074_144020	NW_004515756.1	Scaffold214	144020	CC	AA	1940438528
SNP_P1_175075_144021	NW_004515756.1	Scaffold214	144021	TT	AA	1940438529
SNP_P1_175076_144334	NW_004515756.1	Scaffold214	144334	TT	GG	1940438530
SNP_P1_175077_144470	NW_004515756.1	Scaffold214	144470	GG	TT	1940438531
SNP_P1_175078_144563	NW_004515756.1	Scaffold214	144563	AA	GG	1940438532
SNP_P1_175079_144612	NW_004515756.1	Scaffold214	144612	TT	AA	1940438533
SNP_P1_175080_144738	NW_004515756.1	Scaffold214	144738	CC	TT	1940438534
SNP_P1_175081_144774	NW_004515756.1	Scaffold214	144774	AA	TT	1940438535
SNP_P1_175082_144834	NW_004515756.1	Scaffold214	144834	AA	CC	1940438536
SNP_P1_175083_144894	NW_004515756.1	Scaffold214	144894	AA	GG	1940438537

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_175084_145065	NW_004515756.1	Scaffold214	145065	TT	GG	1940438538
SNP_P1_175085_145782	NW_004515756.1	Scaffold214	145782	AA	GG	1940438539
SNP_P1_175086_895	NW_004515757.1	Scaffold217	895	GG	AA	1940438540
SNP_P1_175087_14175	NW_004515757.1	Scaffold217	14175	GG	TT	1940438541
SNP_P1_175088_16808	NW_004515757.1	Scaffold217	16808	CC	AA	1940438542
SNP_P1_175089_16876	NW_004515757.1	Scaffold217	16876	CC	GG	1940438543
SNP_P1_175090_688	NW_004515758.1	Scaffold220	688	CC	GG	1940438544
SNP_P1_175091_1186	NW_004515758.1	Scaffold220	1186	AA	CC	1940438545
SNP_P1_175092_1646	NW_004515758.1	Scaffold220	1646	GG	TT	1940438546
SNP_P1_175093_1708	NW_004515758.1	Scaffold220	1708	AA	CC	1940438547
SNP_P1_175094_2074	NW_004515758.1	Scaffold220	2074	GG	CC	1940438548
SNP_P1_175095_2089	NW_004515758.1	Scaffold220	2089	GG	TT	1940438549
SNP_P1_175096_4644	NW_004515758.1	Scaffold220	4644	AA	GG	1940438550
SNP_P1_175097_4706	NW_004515758.1	Scaffold220	4706	TT	AA	1940438551
SNP_P1_175098_4812	NW_004515758.1	Scaffold220	4812	GG	CC	1940438552
SNP_P1_175099_4845	NW_004515758.1	Scaffold220	4845	AA	CC	1940438553
SNP_P1_175100_4981	NW_004515758.1	Scaffold220	4981	AA	GG	1940438554
SNP_P1_175101_5028	NW_004515758.1	Scaffold220	5028	TT	CC	1940438555
SNP_P1_175102_5057	NW_004515758.1	Scaffold220	5057	GG	TT	1940438556
SNP_P1_175103_5414	NW_004515758.1	Scaffold220	5414	AA	TT	1940438557
SNP_P1_175104_753	NW_004515759.1	Scaffold221	753	CC	TT	1940438558
SNP_P1_175106_15431	NW_004515759.1	Scaffold221	15431	TT	CC	1940438559
SNP_P1_175107_17280	NW_004515759.1	Scaffold221	17280	TT	CC	1940438560
SNP_P1_175108_18834	NW_004515759.1	Scaffold221	18834	AA	GG	1940438561
SNP_P1_175109_32281	NW_004515759.1	Scaffold221	32281	AA	GG	1940438562
SNP_P1_175110_32291	NW_004515759.1	Scaffold221	32291	TT	GG	1940438563
SNP_P1_175111_32344	NW_004515759.1	Scaffold221	32344	AA	CC	1940438564
SNP_P1_175112_37270	NW_004515759.1	Scaffold221	37270	AA	TT	1940438565
SNP_P1_175113_43752	NW_004515759.1	Scaffold221	43752	TT	CC	1940438566
SNP_P1_175114_43762	NW_004515759.1	Scaffold221	43762	AA	TT	1940438567
SNP_P1_175115_43781	NW_004515759.1	Scaffold221	43781	TT	CC	1940438568
SNP_P1_175116_43786	NW_004515759.1	Scaffold221	43786	TT	GG	1940438569
SNP_P1_175118_61219	NW_004515759.1	Scaffold221	61219	TT	CC	1940438570
SNP_P1_175120_61593	NW_004515759.1	Scaffold221	61593	CC	TT	1940438571
SNP_P1_175121_61644	NW_004515759.1	Scaffold221	61644	AA	GG	1940438572
SNP_P1_175122_62907	NW_004515759.1	Scaffold221	62907	AA	GG	1940438573
SNP_P1_175124_79210	NW_004515759.1	Scaffold221	79210	TT	CC	1940438574
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SNP_P1_175126_88186	NW_004515759.1	Scaffold221	88186	GG	AA	1940438576
SNP_P1_175127_92573	NW_004515759.1	Scaffold221	92573	AA	GG	1940438577
SNP_P1_175128_92822	NW_004515759.1	Scaffold221	92822	CC	AA	1940438578
SNP_P1_175129_94040	NW_004515759.1	Scaffold221	94040	AA	GG	1940438579

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175131_94090	NW_004515759.1	Scaffold221	94090	AA	GG	1940438581
SNP_P1_175132_109884	NW_004515759.1	Scaffold221	109884	AA	TT	1940438582
SNP_P1_175133_110024	NW_004515759.1	Scaffold221	110024	GG	AA	1940438583
SNP_P1_175134_110034	NW_004515759.1	Scaffold221	110034	AA	GG	1940438584
SNP_P1_175135_110066	NW_004515759.1	Scaffold221	110066	CC	TT	1940438585
SNP_P1_175136_110172	NW_004515759.1	Scaffold221	110172	TT	CC	1940438586
SNP_P1_175137_110179	NW_004515759.1	Scaffold221	110179	AA	TT	1940438587
SNP_P1_175138_110291	NW_004515759.1	Scaffold221	110291	TT	CC	1940438588
SNP_P1_175139_110376	NW_004515759.1	Scaffold221	110376	GG	CC	1940438589
SNP_P1_175140_110453	NW_004515759.1	Scaffold221	110453	TT	CC	1940438590
SNP_P1_175141_110459	NW_004515759.1	Scaffold221	110459	CC	AA	1940438591
SNP_P1_175142_4157	NW_004515760.1	Scaffold222	4157	TT	CC	1940438592
SNP_P1_175143_5923	NW_004515760.1	Scaffold222	5923	TT	CC	1940438593
SNP_P1_175144_13159	NW_004515760.1	Scaffold222	13159	TT	AA	1940438594
SNP_P1_175145_13204	NW_004515760.1	Scaffold222	13204	CC	TT	1940438595
SNP_P1_175146_13205	NW_004515760.1	Scaffold222	13205	AA	GG	1940438596
SNP_P1_175147_22681	NW_004515760.1	Scaffold222	22681	TT	CC	1940438597
SNP_P1_175148_25822	NW_004515760.1	Scaffold222	25822	TT	CC	1940438598
SNP_P1_175149_25888	NW_004515760.1	Scaffold222	25888	CC	GG	1940438599
SNP_P1_175150_25914	NW_004515760.1	Scaffold222	25914	CC	TT	1940438600
SNP_P1_175151_25958	NW_004515760.1	Scaffold222	25958	AA	TT	1940438601
SNP_P1_175155_46735	NW_004515760.1	Scaffold222	46735	AA	GG	1940438602
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SNP_P1_175158_55220	NW_004515760.1	Scaffold222	55220	CC	TT	1940438605
SNP_P1_175159_63625	NW_004515760.1	Scaffold222	63625	CC	TT	1940438606
SNP_P1_175160_65367	NW_004515760.1	Scaffold222	65367	AA	GG	1940438607
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SNP_P1_175162_65391	NW_004515760.1	Scaffold222	65391	CC	TT	1940438609
SNP_P1_175163_65678	NW_004515760.1	Scaffold222	65678	GG	AA	1940438610
SNP_P1_175164_65848	NW_004515760.1	Scaffold222	65848	AA	GG	1940438611
SNP_P1_175165_70040	NW_004515760.1	Scaffold222	70040	TT	CC	1940438613
SNP_P1_175166_455	NW_004515761.1	Scaffold223	455	TT	CC	1940438614
SNP_P1_175167_12204	NW_004515761.1	Scaffold223	12204	AA	GG	1940438615
SNP_P1_175168_21477	NW_004515761.1	Scaffold223	21477	AA	CC	1940438616
SNP_P1_175169_28684	NW_004515761.1	Scaffold223	28684	AA	GG	1940438617
SNP_P1_175170_31942	NW_004515761.1	Scaffold223	31942	GG	AA	1940438618
SNP_P1_175171_36543	NW_004515761.1	Scaffold223	36543	TT	GG	1940438619
SNP_P1_175172_42370	NW_004515761.1	Scaffold223	42370	GG	TT	1940438620
SNP_P1_175173_49693	NW_004515761.1	Scaffold223	49693	GG	AA	1940438621
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175176_63392	NW_004515761.1	Scaffold223	63392	CC	TT	1940438624
SNP_P1_175177_74198	NW_004515761.1	Scaffold223	74198	CC	AA	1940438625
SNP_P1_175178_81328	NW_004515761.1	Scaffold223	81328	CC	AA	1940438626
SNP_P1_175179_82186	NW_004515761.1	Scaffold223	82186	TT	AA	1940438627
SNP_P1_175181_84748	NW_004515761.1	Scaffold223	84748	AA	GG	1940438628
SNP_P1_175182_88432	NW_004515761.1	Scaffold223	88432	TT	AA	1940438629
SNP_P1_175183_90112	NW_004515761.1	Scaffold223	90112	AA	GG	1940438630
SNP_P1_175184_95301	NW_004515761.1	Scaffold223	95301	CC	AA	1940438631
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SNP_P1_175186_95723	NW_004515761.1	Scaffold223	95723	CC	TT	1940438633
SNP_P1_175187_95859	NW_004515761.1	Scaffold223	95859	AA	CC	1940438634
SNP_P1_175188_95862	NW_004515761.1	Scaffold223	95862	AA	GG	1940438635
SNP_P1_175190_106609	NW_004515761.1	Scaffold223	106609	AA	CC	1940438636
SNP_P1_175191_119518	NW_004515761.1	Scaffold223	119518	AA	TT	1940438637
SNP_P1_175193_144225	NW_004515761.1	Scaffold223	144225	AA	GG	1940438638
SNP_P1_175194_149074	NW_004515761.1	Scaffold223	149074	AA	GG	1940438639
SNP_P1_175197_154798	NW_004515761.1	Scaffold223	154798	AA	GG	1940438640
SNP_P1_175198_166520	NW_004515761.1	Scaffold223	166520	TT	CC	1940438641
SNP_P1_175199_167788	NW_004515761.1	Scaffold223	167788	TT	CC	1940438642
SNP_P1_175200_172732	NW_004515761.1	Scaffold223	172732	TT	AA	1940438643
SNP_P1_175201_175051	NW_004515761.1	Scaffold223	175051	CC	AA	1940438644
SNP_P1_175203_177748	NW_004515761.1	Scaffold223	177748	GG	CC	1940438645
SNP_P1_175204_181273	NW_004515761.1	Scaffold223	181273	TT	GG	1940438646
SNP_P1_175205_182145	NW_004515761.1	Scaffold223	182145	CC	TT	1940438647
SNP_P1_175206_182153	NW_004515761.1	Scaffold223	182153	CC	TT	1940438648
SNP_P1_175207_182154	NW_004515761.1	Scaffold223	182154	TT	CC	1940438649
SNP_P1_175208_186165	NW_004515761.1	Scaffold223	186165	GG	AA	1940438650
SNP_P1_175209_847	NW_004515762.1	Scaffold224	847	GG	AA	1940438651
SNP_P1_175210_1270	NW_004515762.1	Scaffold224	1270	AA	CC	1940438652
SNP_P1_175211_1282	NW_004515762.1	Scaffold224	1282	TT	CC	1940438653
SNP_P1_175212_8045	NW_004515762.1	Scaffold224	8045	TT	AA	1940438654
SNP_P1_175213_8128	NW_004515762.1	Scaffold224	8128	AA	CC	1940438655
SNP_P1_175214_8154	NW_004515762.1	Scaffold224	8154	AA	GG	1940438656
SNP_P1_175215_8380	NW_004515762.1	Scaffold224	8380	AA	GG	1940438657
SNP_P1_175216_8396	NW_004515762.1	Scaffold224	8396	AA	GG	1940438658
SNP_P1_175217_8433	NW_004515762.1	Scaffold224	8433	AA	GG	1940438659
SNP_P1_175218_8475	NW_004515762.1	Scaffold224	8475	TT	CC	1940438660
SNP_P1_175219_16281	NW_004515762.1	Scaffold224	16281	CC	TT	1940438661
SNP_P1_175220_20397	NW_004515762.1	Scaffold224	20397	CC	TT	1940438662
SNP_P1_175221_20412	NW_004515762.1	Scaffold224	20412	GG	AA	1940438663
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175224_20488	NW_004515762.1	Scaffold224	20488	CC	AA	1940438666
SNP_P1_175225_20526	NW_004515762.1	Scaffold224	20526	TT	GG	1940438667
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SNP_P1_175227_20908	NW_004515762.1	Scaffold224	20908	AA	CC	1940438669
SNP_P1_175228_20937	NW_004515762.1	Scaffold224	20937	CC	TT	1940438670
SNP_P1_175229_20942	NW_004515762.1	Scaffold224	20942	GG	AA	1940438671
SNP_P1_175230_24014	NW_004515762.1	Scaffold224	24014	AA	GG	1940438672
SNP_P1_175231_32536	NW_004515762.1	Scaffold224	32536	TT	AA	1940438673
SNP_P1_175232_32547	NW_004515762.1	Scaffold224	32547	AA	TT	1940438674
SNP_P1_175233_32731	NW_004515762.1	Scaffold224	32731	CC	TT	1940438675
SNP_P1_175234_32791	NW_004515762.1	Scaffold224	32791	TT	AA	1940438676
SNP_P1_175235_34677	NW_004515762.1	Scaffold224	34677	TT	CC	1940438677
SNP_P1_175236_34842	NW_004515762.1	Scaffold224	34842	GG	AA	1940438678
SNP_P1_175237_34861	NW_004515762.1	Scaffold224	34861	AA	GG	1940438679
SNP_P1_175238_41222	NW_004515762.1	Scaffold224	41222	TT	CC	1940438680
SNP_P1_175239_41287	NW_004515762.1	Scaffold224	41287	AA	CC	1940438681
SNP_P1_175240_41311	NW_004515762.1	Scaffold224	41311	AA	TT	1940438682
SNP_P1_175241_45355	NW_004515762.1	Scaffold224	45355	AA	TT	1940438683
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SNP_P1_175243_72995	NW_004515762.1	Scaffold224	72995	AA	GG	1940438685
SNP_P1_175244_97013	NW_004515762.1	Scaffold224	97013	TT	CC	1940438686
SNP_P1_175245_105638	NW_004515762.1	Scaffold224	105638	TT	CC	1940438687
SNP_P1_175246_106043	NW_004515762.1	Scaffold224	106043	AA	GG	1940438688
SNP_P1_175247_118673	NW_004515762.1	Scaffold224	118673	CC	TT	1940438689
SNP_P1_175248_127758	NW_004515762.1	Scaffold224	127758	GG	AA	1940438690
SNP_P1_175249_145413	NW_004515762.1	Scaffold224	145413	AA	GG	1940438691
SNP_P1_175250_145431	NW_004515762.1	Scaffold224	145431	AA	GG	1940438692
SNP_P1_175251_145455	NW_004515762.1	Scaffold224	145455	AA	GG	1940438693
SNP_P1_175252_145475	NW_004515762.1	Scaffold224	145475	AA	TT	1940438694
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SNP_P1_175257_152102	NW_004515762.1	Scaffold224	152102	AA	GG	1940438699
SNP_P1_175258_152117	NW_004515762.1	Scaffold224	152117	AA	CC	1940438700
SNP_P1_175259_152163	NW_004515762.1	Scaffold224	152163	AA	CC	1940438701
SNP_P1_175260_152179	NW_004515762.1	Scaffold224	152179	AA	TT	1940438702
SNP_P1_175261_152191	NW_004515762.1	Scaffold224	152191	AA	GG	1940438703
SNP_P1_175262_152192	NW_004515762.1	Scaffold224	152192	TT	AA	1940438704
SNP_P1_175263_152197	NW_004515762.1	Scaffold224	152197	GG	AA	1940438705
SNP_P1_175264_152228	NW_004515762.1	Scaffold224	152228	GG	CC	1940438706

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175267_152252	NW_004515762.1	Scaffold224	152252	TT	CC	1940438709
SNP_P1_175268_152570	NW_004515762.1	Scaffold224	152570	AA	GG	1940438710
SNP_P1_175269_152579	NW_004515762.1	Scaffold224	152579	AA	TT	1940438711
SNP_P1_175270_152595	NW_004515762.1	Scaffold224	152595	GG	AA	1940438712
SNP_P1_175271_152669	NW_004515762.1	Scaffold224	152669	AA	GG	1940438713
SNP_P1_175272_153077	NW_004515762.1	Scaffold224	153077	AA	GG	1940438714
SNP_P1_175273_153430	NW_004515762.1	Scaffold224	153430	AA	GG	1940438715
SNP_P1_175274_153445	NW_004515762.1	Scaffold224	153445	AA	GG	1940438716
SNP_P1_175275_158517	NW_004515762.1	Scaffold224	158517	GG	CC	1940438717
SNP_P1_175276_161091	NW_004515762.1	Scaffold224	161091	CC	TT	1940438718
SNP_P1_175277_161097	NW_004515762.1	Scaffold224	161097	AA	GG	1940438719
SNP_P1_175278_161114	NW_004515762.1	Scaffold224	161114	TT	CC	1940438720
SNP_P1_175279_161226	NW_004515762.1	Scaffold224	161226	TT	CC	1940438721
SNP_P1_175280_161228	NW_004515762.1	Scaffold224	161228	AA	GG	1940438722
SNP_P1_175281_161249	NW_004515762.1	Scaffold224	161249	CC	TT	1940438723
SNP_P1_175282_161257	NW_004515762.1	Scaffold224	161257	TT	GG	1940438724
SNP_P1_175283_161314	NW_004515762.1	Scaffold224	161314	TT	CC	1940438725
SNP_P1_175284_161320	NW_004515762.1	Scaffold224	161320	TT	CC	1940438726
SNP_P1_175285_161322	NW_004515762.1	Scaffold224	161322	AA	GG	1940438727
SNP_P1_175286_161324	NW_004515762.1	Scaffold224	161324	TT	CC	1940438728
SNP_P1_175287_161332	NW_004515762.1	Scaffold224	161332	TT	CC	1940438729
SNP_P1_175288_161484	NW_004515762.1	Scaffold224	161484	GG	AA	1940438730
SNP_P1_175289_161486	NW_004515762.1	Scaffold224	161486	GG	CC	1940438731
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SNP_P1_175291_161547	NW_004515762.1	Scaffold224	161547	TT	CC	1940438733
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SNP_P1_175295_161694	NW_004515762.1	Scaffold224	161694	CC	GG	1940438737
SNP_P1_175296_165323	NW_004515762.1	Scaffold224	165323	AA	GG	1940438738
SNP_P1_175297_165328	NW_004515762.1	Scaffold224	165328	GG	TT	1940438739
SNP_P1_175298_174896	NW_004515762.1	Scaffold224	174896	TT	CC	1940438740
SNP_P1_175299_174913	NW_004515762.1	Scaffold224	174913	TT	GG	1940438741
SNP_P1_175300_175012	NW_004515762.1	Scaffold224	175012	AA	GG	1940438742
SNP_P1_175301_175028	NW_004515762.1	Scaffold224	175028	GG	CC	1940438743
SNP_P1_175302_175083	NW_004515762.1	Scaffold224	175083	AA	GG	1940438744
SNP_P1_175303_175089	NW_004515762.1	Scaffold224	175089	TT	AA	1940438745
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SNP_P1_175305_175208	NW_004515762.1	Scaffold224	175208	CC	GG	1940438747
SNP_P1_175306_175216	NW_004515762.1	Scaffold224	175216	TT	CC	1940438748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175309_180912	NW_004515762.1	Scaffold224	180912	TT	CC	1940438751
SNP_P1_175310_180925	NW_004515762.1	Scaffold224	180925	TT	CC	1940438752
SNP_P1_175311_180940	NW_004515762.1	Scaffold224	180940	AA	GG	1940438753
SNP_P1_175313_186158	NW_004515762.1	Scaffold224	186158	AA	GG	1940438754
SNP_P1_175314_186187	NW_004515762.1	Scaffold224	186187	TT	CC	1940438755
SNP_P1_175315_186188	NW_004515762.1	Scaffold224	186188	GG	CC	1940438756
SNP_P1_175316_186225	NW_004515762.1	Scaffold224	186225	GG	TT	1940438757
SNP_P1_175317_186233	NW_004515762.1	Scaffold224	186233	TT	CC	1940438758
SNP_P1_175318_186235	NW_004515762.1	Scaffold224	186235	AA	GG	1940438759
SNP_P1_175319_186248	NW_004515762.1	Scaffold224	186248	AA	GG	1940438760
SNP_P1_175320_186254	NW_004515762.1	Scaffold224	186254	AA	GG	1940438761
SNP_P1_175321_186270	NW_004515762.1	Scaffold224	186270	AA	GG	1940438762
SNP_P1_175322_186289	NW_004515762.1	Scaffold224	186289	TT	GG	1940438763
SNP_P1_175323_186323	NW_004515762.1	Scaffold224	186323	AA	GG	1940438764
SNP_P1_175324_186356	NW_004515762.1	Scaffold224	186356	TT	CC	1940438765
SNP_P1_175325_186357	NW_004515762.1	Scaffold224	186357	AA	GG	1940438767
SNP_P1_175326_186371	NW_004515762.1	Scaffold224	186371	TT	CC	1940438768
SNP_P1_175327_186398	NW_004515762.1	Scaffold224	186398	AA	GG	1940438769
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SNP_P1_175329_186603	NW_004515762.1	Scaffold224	186603	AA	GG	1940438771
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SNP_P1_175331_186706	NW_004515762.1	Scaffold224	186706	TT	CC	1940438773
SNP_P1_175332_186789	NW_004515762.1	Scaffold224	186789	TT	CC	1940438774
SNP_P1_175334_204225	NW_004515762.1	Scaffold224	204225	TT	GG	1940438775
SNP_P1_175335_204226	NW_004515762.1	Scaffold224	204226	TT	CC	1940438776
SNP_P1_175336_221395	NW_004515762.1	Scaffold224	221395	CC	GG	1940438777
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SNP_P1_175338_246426	NW_004515762.1	Scaffold224	246426	AA	TT	1940438779
SNP_P1_175339_246427	NW_004515762.1	Scaffold224	246427	AA	CC	1940438780
SNP_P1_175341_249297	NW_004515762.1	Scaffold224	249297	AA	GG	1940438781
SNP_P1_175342_249791	NW_004515762.1	Scaffold224	249791	AA	GG	1940438782
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SNP_P1_175345_294209	NW_004515762.1	Scaffold224	294209	AA	GG	1940438785
SNP_P1_175346_294281	NW_004515762.1	Scaffold224	294281	CC	TT	1940438786
SNP_P1_175347_301817	NW_004515762.1	Scaffold224	301817	AA	GG	1940438787
SNP_P1_175348_302414	NW_004515762.1	Scaffold224	302414	AA	CC	1940438788
SNP_P1_175349_12407	NW_004515763.1	Scaffold227	12407	AA	GG	1940438789
SNP_P1_175350_30378	NW_004515763.1	Scaffold227	30378	GG	CC	1940438790
SNP_P1_175351_32394	NW_004515763.1	Scaffold227	32394	GG	AA	1940438791

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175354_32415	NW_004515763.1	Scaffold227	32415	TT	CC	1940438794
SNP_P1_175355_32423	NW_004515763.1	Scaffold227	32423	CC	TT	1940438795
SNP_P1_175356_32431	NW_004515763.1	Scaffold227	32431	CC	GG	1940438796
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SNP_P1_175359_32505	NW_004515763.1	Scaffold227	32505	GG	AA	1940438799
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SNP_P1_175362_32610	NW_004515763.1	Scaffold227	32610	AA	TT	1940438802
SNP_P1_175364_59907	NW_004515763.1	Scaffold227	59907	GG	AA	1940438803
SNP_P1_175365_59983	NW_004515763.1	Scaffold227	59983	AA	CC	1940438804
SNP_P1_175366_59986	NW_004515763.1	Scaffold227	59986	AA	CC	1940438805
SNP_P1_175367_69437	NW_004515763.1	Scaffold227	69437	GG	AA	1940438806
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SNP_P1_175394_140572	NW_004515763.1	Scaffold227	140572	AA	GG	1940438831
SNP_P1_175395_140577	NW_004515763.1	Scaffold227	140577	TT	CC	1940438832
SNP_P1_175396_140918	NW_004515763.1	Scaffold227	140918	AA	CC	1940438833

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175400_141016	NW_004515763.1	Scaffold227	141016	GG	TT	1940438836
SNP_P1_175401_141037	NW_004515763.1	Scaffold227	141037	TT	CC	1940438837
SNP_P1_175402_141068	NW_004515763.1	Scaffold227	141068	AA	GG	1940438838
SNP_P1_175403_141082	NW_004515763.1	Scaffold227	141082	TT	CC	1940438839
SNP_P1_175405_141164	NW_004515763.1	Scaffold227	141164	GG	AA	1940438840
SNP_P1_175406_141177	NW_004515763.1	Scaffold227	141177	TT	CC	1940438841
SNP_P1_175407_141207	NW_004515763.1	Scaffold227	141207	TT	AA	1940438842
SNP_P1_175408_141256	NW_004515763.1	Scaffold227	141256	TT	CC	1940438843
SNP_P1_175409_141386	NW_004515763.1	Scaffold227	141386	TT	CC	1940438844
SNP_P1_175410_141444	NW_004515763.1	Scaffold227	141444	TT	CC	1940438845
SNP_P1_175411_141445	NW_004515763.1	Scaffold227	141445	TT	CC	1940438846
SNP_P1_175412_141461	NW_004515763.1	Scaffold227	141461	AA	GG	1940438847
SNP_P1_175413_141519	NW_004515763.1	Scaffold227	141519	GG	CC	1940438848
SNP_P1_175414_141564	NW_004515763.1	Scaffold227	141564	AA	GG	1940438849
SNP_P1_175415_141594	NW_004515763.1	Scaffold227	141594	AA	CC	1940438850
SNP_P1_175416_141599	NW_004515763.1	Scaffold227	141599	CC	TT	1940438851
SNP_P1_175417_141605	NW_004515763.1	Scaffold227	141605	CC	GG	1940438852
SNP_P1_175418_141609	NW_004515763.1	Scaffold227	141609	AA	GG	1940438853
SNP_P1_175419_141680	NW_004515763.1	Scaffold227	141680	GG	CC	1940438854
SNP_P1_175420_141685	NW_004515763.1	Scaffold227	141685	TT	CC	1940438855
SNP_P1_175421_142520	NW_004515763.1	Scaffold227	142520	TT	CC	1940438856
SNP_P1_175422_142522	NW_004515763.1	Scaffold227	142522	CC	AA	1940438857
SNP_P1_175423_142524	NW_004515763.1	Scaffold227	142524	TT	CC	1940438858
SNP_P1_175424_142531	NW_004515763.1	Scaffold227	142531	TT	CC	1940438859
SNP_P1_175425_142547	NW_004515763.1	Scaffold227	142547	AA	GG	1940438860
SNP_P1_175426_142553	NW_004515763.1	Scaffold227	142553	AA	GG	1940438861
SNP_P1_175427_142564	NW_004515763.1	Scaffold227	142564	AA	CC	1940438862
SNP_P1_175428_142615	NW_004515763.1	Scaffold227	142615	AA	GG	1940438863
SNP_P1_175430_142942	NW_004515763.1	Scaffold227	142942	AA	GG	1940438864
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SNP_P1_175432_143022	NW_004515763.1	Scaffold227	143022	AA	GG	1940438866
SNP_P1_175433_143030	NW_004515763.1	Scaffold227	143030	AA	TT	1940438867
SNP_P1_175434_143034	NW_004515763.1	Scaffold227	143034	TT	GG	1940438868
SNP_P1_175435_143045	NW_004515763.1	Scaffold227	143045	TT	CC	1940438869
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SNP_P1_175437_144233	NW_004515763.1	Scaffold227	144233	AA	GG	1940438871
SNP_P1_175438_144260	NW_004515763.1	Scaffold227	144260	TT	CC	1940438872
SNP_P1_175439_144291	NW_004515763.1	Scaffold227	144291	AA	GG	1940438873
SNP_P1_175440_144406	NW_004515763.1	Scaffold227	144406	TT	CC	1940438874
SNP_P1_175442_144514	NW_004515763.1	Scaffold227	144514	TT	CC	1940438875

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175444_144525	NW_004515763.1	Scaffold227	144525	AA	CC	1940438877
SNP_P1_175445_144542	NW_004515763.1	Scaffold227	144542	AA	GG	1940438878
SNP_P1_175446_144561	NW_004515763.1	Scaffold227	144561	TT	CC	1940438879
SNP_P1_175447_144587	NW_004515763.1	Scaffold227	144587	AA	GG	1940438880
SNP_P1_175448_148314	NW_004515763.1	Scaffold227	148314	GG	CC	1940438881
SNP_P1_175449_164915	NW_004515763.1	Scaffold227	164915	TT	CC	1940438882
SNP_P1_175451_194866	NW_004515763.1	Scaffold227	194866	GG	AA	1940438883
SNP_P1_175452_194901	NW_004515763.1	Scaffold227	194901	TT	CC	1940438884
SNP_P1_175453_194934	NW_004515763.1	Scaffold227	194934	CC	TT	1940438885
SNP_P1_175454_195033	NW_004515763.1	Scaffold227	195033	GG	TT	1940438886
SNP_P1_175455_195072	NW_004515763.1	Scaffold227	195072	CC	AA	1940438887
SNP_P1_175456_195080	NW_004515763.1	Scaffold227	195080	AA	CC	1940438888
SNP_P1_175457_195088	NW_004515763.1	Scaffold227	195088	GG	AA	1940438889
SNP_P1_175458_195092	NW_004515763.1	Scaffold227	195092	TT	CC	1940438890
SNP_P1_175459_195149	NW_004515763.1	Scaffold227	195149	TT	GG	1940438891
SNP_P1_175460_195153	NW_004515763.1	Scaffold227	195153	GG	AA	1940438892
SNP_P1_175461_195271	NW_004515763.1	Scaffold227	195271	AA	TT	1940438893
SNP_P1_175462_195412	NW_004515763.1	Scaffold227	195412	AA	GG	1940438894
SNP_P1_175463_195431	NW_004515763.1	Scaffold227	195431	GG	TT	1940438895
SNP_P1_175464_195497	NW_004515763.1	Scaffold227	195497	CC	AA	1940438896
SNP_P1_175465_195547	NW_004515763.1	Scaffold227	195547	TT	CC	1940438897
SNP_P1_175466_195606	NW_004515763.1	Scaffold227	195606	AA	CC	1940438898
SNP_P1_175467_195667	NW_004515763.1	Scaffold227	195667	AA	GG	1940438899
SNP_P1_175469_195708	NW_004515763.1	Scaffold227	195708	TT	CC	1940438900
SNP_P1_175470_195725	NW_004515763.1	Scaffold227	195725	AA	GG	1940438901
SNP_P1_175471_195734	NW_004515763.1	Scaffold227	195734	CC	GG	1940438902
SNP_P1_175472_195790	NW_004515763.1	Scaffold227	195790	TT	AA	1940438903
SNP_P1_175473_195856	NW_004515763.1	Scaffold227	195856	AA	CC	1940438904
SNP_P1_175474_195891	NW_004515763.1	Scaffold227	195891	GG	TT	1940438905
SNP_P1_175475_195936	NW_004515763.1	Scaffold227	195936	CC	TT	1940438906
SNP_P1_175476_195940	NW_004515763.1	Scaffold227	195940	AA	CC	1940438907
SNP_P1_175478_196012	NW_004515763.1	Scaffold227	196012	GG	AA	1940438908
SNP_P1_175479_196046	NW_004515763.1	Scaffold227	196046	TT	CC	1940438909
SNP_P1_175480_196089	NW_004515763.1	Scaffold227	196089	AA	GG	1940438910
SNP_P1_175481_196095	NW_004515763.1	Scaffold227	196095	AA	GG	1940438911
SNP_P1_175483_196149	NW_004515763.1	Scaffold227	196149	AA	TT	1940438912
SNP_P1_175484_196157	NW_004515763.1	Scaffold227	196157	AA	GG	1940438913
SNP_P1_175485_196185	NW_004515763.1	Scaffold227	196185	AA	GG	1940438914
SNP_P1_175487_196445	NW_004515763.1	Scaffold227	196445	CC	TT	1940438915
SNP_P1_175488_196469	NW_004515763.1	Scaffold227	196469	TT	CC	1940438916
SNP_P1_175489_196496	NW_004515763.1	Scaffold227	196496	TT	CC	1940438918

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175491_196801	NW_004515763.1	Scaffold227	196801	AA	GG	1940438920
SNP_P1_175492_197139	NW_004515763.1	Scaffold227	197139	GG	AA	1940438921
SNP_P1_175493_197296	NW_004515763.1	Scaffold227	197296	GG	AA	1940438922
SNP_P1_175494_197349	NW_004515763.1	Scaffold227	197349	TT	CC	1940438923
SNP_P1_175495_197397	NW_004515763.1	Scaffold227	197397	TT	CC	1940438924
SNP_P1_175497_197506	NW_004515763.1	Scaffold227	197506	CC	TT	1940438925
SNP_P1_175498_197552	NW_004515763.1	Scaffold227	197552	AA	TT	1940438926
SNP_P1_175499_197575	NW_004515763.1	Scaffold227	197575	CC	TT	1940438927
SNP_P1_175500_197615	NW_004515763.1	Scaffold227	197615	AA	CC	1940438928
SNP_P1_175501_197630	NW_004515763.1	Scaffold227	197630	AA	GG	1940438929
SNP_P1_175502_197633	NW_004515763.1	Scaffold227	197633	GG	AA	1940438930
SNP_P1_175503_197727	NW_004515763.1	Scaffold227	197727	CC	GG	1940438931
SNP_P1_175504_197730	NW_004515763.1	Scaffold227	197730	GG	TT	1940438932
SNP_P1_175505_197747	NW_004515763.1	Scaffold227	197747	CC	TT	1940438933
SNP_P1_175506_197792	NW_004515763.1	Scaffold227	197792	TT	AA	1940438934
SNP_P1_175507_197876	NW_004515763.1	Scaffold227	197876	TT	AA	1940438935
SNP_P1_175508_197937	NW_004515763.1	Scaffold227	197937	GG	CC	1940438936
SNP_P1_175509_197954	NW_004515763.1	Scaffold227	197954	AA	GG	1940438937
SNP_P1_175510_197989	NW_004515763.1	Scaffold227	197989	AA	GG	1940438938
SNP_P1_175511_197997	NW_004515763.1	Scaffold227	197997	AA	CC	1940438939
SNP_P1_175512_198003	NW_004515763.1	Scaffold227	198003	GG	CC	1940438940
SNP_P1_175513_198046	NW_004515763.1	Scaffold227	198046	TT	CC	1940438941
SNP_P1_175514_198061	NW_004515763.1	Scaffold227	198061	CC	TT	1940438942
SNP_P1_175515_198137	NW_004515763.1	Scaffold227	198137	AA	GG	1940438943
SNP_P1_175516_198148	NW_004515763.1	Scaffold227	198148	GG	AA	1940438944
SNP_P1_175517_204829	NW_004515763.1	Scaffold227	204829	CC	GG	1940438945
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SNP_P1_175519_211220	NW_004515763.1	Scaffold227	211220	CC	TT	1940438947
SNP_P1_175520_222401	NW_004515763.1	Scaffold227	222401	GG	AA	1940438948
SNP_P1_175521_225049	NW_004515763.1	Scaffold227	225049	AA	GG	1940438949
SNP_P1_175522_250384	NW_004515763.1	Scaffold227	250384	CC	TT	1940438950
SNP_P1_175523_265996	NW_004515763.1	Scaffold227	265996	AA	GG	1940438951
SNP_P1_175524_305343	NW_004515763.1	Scaffold227	305343	AA	TT	1940438952
SNP_P1_175525_315113	NW_004515763.1	Scaffold227	315113	CC	TT	1940438953
SNP_P1_175526_315927	NW_004515763.1	Scaffold227	315927	CC	TT	1940438954
SNP_P1_175527_317345	NW_004515763.1	Scaffold227	317345	AA	GG	1940438955
SNP_P1_175528_317382	NW_004515763.1	Scaffold227	317382	CC	AA	1940438956
SNP_P1_175529_317388	NW_004515763.1	Scaffold227	317388	AA	GG	1940438957
SNP_P1_175530_317425	NW_004515763.1	Scaffold227	317425	CC	TT	1940438958
SNP_P1_175531_319231	NW_004515763.1	Scaffold227	319231	CC	TT	1940438959
SNP_P1_175532_320062	NW_004515763.1	Scaffold227	320062	CC	TT	1940438960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175534_325220	NW_004515763.1	Scaffold227	325220	AA	GG	1940438962
SNP_P1_175536_325975	NW_004515763.1	Scaffold227	325975	CC	TT	1940438963
SNP_P1_175537_341426	NW_004515763.1	Scaffold227	341426	CC	AA	1940438964
SNP_P1_175538_341460	NW_004515763.1	Scaffold227	341460	AA	GG	1940438965
SNP_P1_175539_341462	NW_004515763.1	Scaffold227	341462	TT	CC	1940438966
SNP_P1_175540_341468	NW_004515763.1	Scaffold227	341468	CC	TT	1940438967
SNP_P1_175541_341491	NW_004515763.1	Scaffold227	341491	AA	GG	1940438968
SNP_P1_175542_341493	NW_004515763.1	Scaffold227	341493	CC	AA	1940438969
SNP_P1_175543_341969	NW_004515763.1	Scaffold227	341969	CC	AA	1940438970
SNP_P1_175544_341995	NW_004515763.1	Scaffold227	341995	CC	TT	1940438971
SNP_P1_175545_350120	NW_004515763.1	Scaffold227	350120	TT	CC	1940438972
SNP_P1_175546_351510	NW_004515763.1	Scaffold227	351510	AA	GG	1940438973
SNP_P1_175547_351769	NW_004515763.1	Scaffold227	351769	GG	AA	1940438974
SNP_P1_175548_351803	NW_004515763.1	Scaffold227	351803	TT	AA	1940438975
SNP_P1_175549_365091	NW_004515763.1	Scaffold227	365091	AA	GG	1940438976
SNP_P1_175550_371519	NW_004515763.1	Scaffold227	371519	TT	CC	1940438977
SNP_P1_175551_371562	NW_004515763.1	Scaffold227	371562	GG	CC	1940438978
SNP_P1_175552_371765	NW_004515763.1	Scaffold227	371765	CC	AA	1940438979
SNP_P1_175554_372139	NW_004515763.1	Scaffold227	372139	CC	TT	1940438980
SNP_P1_175555_372143	NW_004515763.1	Scaffold227	372143	AA	CC	1940438981
SNP_P1_175556_379614	NW_004515763.1	Scaffold227	379614	CC	AA	1940438982
SNP_P1_175557_385853	NW_004515763.1	Scaffold227	385853	GG	AA	1940438983
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SNP_P1_175560_9507	NW_004515764.1	Scaffold228	9507	GG	AA	1940438985
SNP_P1_175561_9528	NW_004515764.1	Scaffold228	9528	GG	AA	1940438986
SNP_P1_175562_9539	NW_004515764.1	Scaffold228	9539	TT	CC	1940438987
SNP_P1_175564_9905	NW_004515764.1	Scaffold228	9905	TT	AA	1940438988
SNP_P1_175565_9929	NW_004515764.1	Scaffold228	9929	GG	TT	1940438989
SNP_P1_175567_16386	NW_004515764.1	Scaffold228	16386	AA	CC	1940438990
SNP_P1_175568_24882	NW_004515764.1	Scaffold228	24882	TT	GG	1940438991
SNP_P1_175569_26046	NW_004515764.1	Scaffold228	26046	GG	AA	1940438992
SNP_P1_175570_39231	NW_004515764.1	Scaffold228	39231	TT	CC	1940438993
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SNP_P1_175573_58801	NW_004515764.1	Scaffold228	58801	GG	AA	1940438996
SNP_P1_175574_64646	NW_004515764.1	Scaffold228	64646	AA	GG	1940438997
SNP_P1_175575_64741	NW_004515764.1	Scaffold228	64741	AA	GG	1940438998
SNP_P1_175576_67626	NW_004515764.1	Scaffold228	67626	CC	AA	1940438999
SNP_P1_175577_67898	NW_004515764.1	Scaffold228	67898	AA	GG	1940439000
SNP_P1_175578_67981	NW_004515764.1	Scaffold228	67981	AA	CC	1940439001
SNP_P1_175579_68278	NW_004515764.1	Scaffold228	68278	TT	CC	1940439002

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175581_69527	NW_004515764.1	Scaffold228	69527	TT	CC	1940439004
SNP_P1_175582_80106	NW_004515764.1	Scaffold228	80106	TT	CC	1940439005
SNP_P1_175583_87438	NW_004515764.1	Scaffold228	87438	TT	CC	1940439006
SNP_P1_175584_95010	NW_004515764.1	Scaffold228	95010	TT	CC	1940439007
SNP_P1_175585_99535	NW_004515764.1	Scaffold228	99535	CC	GG	1940439008
SNP_P1_175586_106098	NW_004515764.1	Scaffold228	106098	AA	GG	1940439009
SNP_P1_175587_106440	NW_004515764.1	Scaffold228	106440	GG	CC	1940439010
SNP_P1_175588_107144	NW_004515764.1	Scaffold228	107144	TT	CC	1940439011
SNP_P1_175589_109108	NW_004515764.1	Scaffold228	109108	GG	TT	1940439012
SNP_P1_175590_109447	NW_004515764.1	Scaffold228	109447	AA	TT	1940439013
SNP_P1_175591_109454	NW_004515764.1	Scaffold228	109454	TT	AA	1940439014
SNP_P1_175592_117125	NW_004515764.1	Scaffold228	117125	TT	CC	1940439015
SNP_P1_175593_117411	NW_004515764.1	Scaffold228	117411	TT	CC	1940439016
SNP_P1_175594_117431	NW_004515764.1	Scaffold228	117431	AA	GG	1940439017
SNP_P1_175595_117653	NW_004515764.1	Scaffold228	117653	TT	CC	1940439018
SNP_P1_175596_117740	NW_004515764.1	Scaffold228	117740	GG	AA	1940439019
SNP_P1_175597_117755	NW_004515764.1	Scaffold228	117755	TT	CC	1940439020
SNP_P1_175598_117759	NW_004515764.1	Scaffold228	117759	CC	TT	1940439021
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SNP_P1_175600_121646	NW_004515764.1	Scaffold228	121646	AA	GG	1940439023
SNP_P1_175601_121976	NW_004515764.1	Scaffold228	121976	AA	TT	1940439024
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SNP_P1_175603_122066	NW_004515764.1	Scaffold228	122066	CC	AA	1940439026
SNP_P1_175604_122102	NW_004515764.1	Scaffold228	122102	TT	AA	1940439027
SNP_P1_175605_122636	NW_004515764.1	Scaffold228	122636	TT	CC	1940439028
SNP_P1_175606_133738	NW_004515764.1	Scaffold228	133738	TT	CC	1940439029
SNP_P1_175607_134637	NW_004515764.1	Scaffold228	134637	AA	TT	1940439030
SNP_P1_175608_134747	NW_004515764.1	Scaffold228	134747	CC	TT	1940439031
SNP_P1_175609_134758	NW_004515764.1	Scaffold228	134758	TT	CC	1940439032
SNP_P1_175610_134883	NW_004515764.1	Scaffold228	134883	TT	CC	1940439033
SNP_P1_175611_134913	NW_004515764.1	Scaffold228	134913	AA	GG	1940439034
SNP_P1_175612_134945	NW_004515764.1	Scaffold228	134945	AA	TT	1940439035
SNP_P1_175613_134996	NW_004515764.1	Scaffold228	134996	GG	CC	1940439036
SNP_P1_175614_135074	NW_004515764.1	Scaffold228	135074	TT	AA	1940439037
SNP_P1_175615_135089	NW_004515764.1	Scaffold228	135089	CC	TT	1940439038
SNP_P1_175616_135109	NW_004515764.1	Scaffold228	135109	CC	TT	1940439039
SNP_P1_175617_135253	NW_004515764.1	Scaffold228	135253	TT	CC	1940439040
SNP_P1_175620_137197	NW_004515764.1	Scaffold228	137197	AA	GG	1940439041
SNP_P1_175621_137284	NW_004515764.1	Scaffold228	137284	TT	CC	1940439042
SNP_P1_175622_143939	NW_004515764.1	Scaffold228	143939	TT	CC	1940439043
SNP_P1_175623_144220	NW_004515764.1	Scaffold228	144220	GG	AA	1940439044

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175625_144279	NW_004515764.1	Scaffold228	144279	GG	TT	1940439046
SNP_P1_175626_146804	NW_004515764.1	Scaffold228	146804	AA	CC	1940439047
SNP_P1_175627_147194	NW_004515764.1	Scaffold228	147194	TT	CC	1940439048
SNP_P1_175628_147239	NW_004515764.1	Scaffold228	147239	CC	GG	1940439049
SNP_P1_175629_147575	NW_004515764.1	Scaffold228	147575	CC	TT	1940439050
SNP_P1_175630_147654	NW_004515764.1	Scaffold228	147654	TT	AA	1940439051
SNP_P1_175631_148094	NW_004515764.1	Scaffold228	148094	TT	CC	1940439052
SNP_P1_175632_148187	NW_004515764.1	Scaffold228	148187	TT	CC	1940439053
SNP_P1_175633_148584	NW_004515764.1	Scaffold228	148584	CC	TT	1940439054
SNP_P1_175634_148585	NW_004515764.1	Scaffold228	148585	CC	GG	1940439055
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SNP_P1_175636_148598	NW_004515764.1	Scaffold228	148598	AA	TT	1940439057
SNP_P1_175637_149806	NW_004515764.1	Scaffold228	149806	TT	CC	1940439058
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175670_164932	NW_004515764.1	Scaffold228	164932	GG	TT	1940439092
SNP_P1_175671_164936	NW_004515764.1	Scaffold228	164936	AA	GG	1940439093
SNP_P1_175672_165013	NW_004515764.1	Scaffold228	165013	AA	GG	1940439094
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SNP_P1_175677_174526	NW_004515764.1	Scaffold228	174526	TT	AA	1940439099
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SNP_P1_175705_179976	NW_004515764.1	Scaffold228	179976	TT	GG	1940439126
SNP_P1_175706_180110	NW_004515764.1	Scaffold228	180110	TT	GG	1940439127
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175715_183488	NW_004515764.1	Scaffold228	183488	CC	TT	1940439135
SNP_P1_175716_184339	NW_004515764.1	Scaffold228	184339	GG	AA	1940439136
SNP_P1_175717_184357	NW_004515764.1	Scaffold228	184357	CC	AA	1940439137
SNP_P1_175718_184374	NW_004515764.1	Scaffold228	184374	AA	GG	1940439138
SNP_P1_175719_184391	NW_004515764.1	Scaffold228	184391	AA	TT	1940439139
SNP_P1_175720_184477	NW_004515764.1	Scaffold228	184477	AA	GG	1940439140
SNP_P1_175721_184552	NW_004515764.1	Scaffold228	184552	AA	GG	1940439141
SNP_P1_175722_184571	NW_004515764.1	Scaffold228	184571	TT	AA	1940439142
SNP_P1_175723_184695	NW_004515764.1	Scaffold228	184695	AA	GG	1940439143
SNP_P1_175724_185410	NW_004515764.1	Scaffold228	185410	TT	CC	1940439144
SNP_P1_175725_185459	NW_004515764.1	Scaffold228	185459	AA	CC	1940439145
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SNP_P1_175727_185914	NW_004515764.1	Scaffold228	185914	TT	AA	1940439147
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175757_13522	NW_004515765.1	Scaffold229	13522	AA	TT	1940439177
SNP_P1_175758_13581	NW_004515765.1	Scaffold229	13581	AA	CC	1940439178
SNP_P1_175760_19885	NW_004515765.1	Scaffold229	19885	GG	AA	1940439179
SNP_P1_175761_30494	NW_004515765.1	Scaffold229	30494	TT	AA	1940439180
SNP_P1_175762_33544	NW_004515765.1	Scaffold229	33544	AA	GG	1940439181
SNP_P1_175763_33663	NW_004515765.1	Scaffold229	33663	CC	TT	1940439182
SNP_P1_175764_33781	NW_004515765.1	Scaffold229	33781	AA	GG	1940439183
SNP_P1_175765_36784	NW_004515765.1	Scaffold229	36784	AA	TT	1940439184
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SNP_P1_175769_36915	NW_004515765.1	Scaffold229	36915	CC	TT	1940439188
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SNP_P1_175795_64196	NW_004515765.1	Scaffold229	64196	AA	GG	1940439212
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175800_76861	NW_004515765.1	Scaffold229	76861	AA	CC	1940439216
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SNP_P1_175839_114636	NW_004515765.1	Scaffold229	114636	CC	GG	1940439254
SNP_P1_175840_114638	NW_004515765.1	Scaffold229	114638	GG	CC	1940439255
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175844_123994	NW_004515765.1	Scaffold229	123994	AA	GG	1940439259
SNP_P1_175845_126420	NW_004515765.1	Scaffold229	126420	TT	AA	1940439260
SNP_P1_175846_141690	NW_004515765.1	Scaffold229	141690	CC	AA	1940439261
SNP_P1_175847_143195	NW_004515765.1	Scaffold229	143195	AA	TT	1940439262
SNP_P1_175848_143494	NW_004515765.1	Scaffold229	143494	AA	TT	1940439263
SNP_P1_175849_143513	NW_004515765.1	Scaffold229	143513	CC	GG	1940439264
SNP_P1_175850_149454	NW_004515765.1	Scaffold229	149454	GG	CC	1940439265
SNP_P1_175851_155376	NW_004515765.1	Scaffold229	155376	CC	AA	1940439266
SNP_P1_175852_155384	NW_004515765.1	Scaffold229	155384	AA	GG	1940439267
SNP_P1_175853_155389	NW_004515765.1	Scaffold229	155389	AA	GG	1940439268
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SNP_P1_175857_157874	NW_004515765.1	Scaffold229	157874	GG	AA	1940439272
SNP_P1_175858_157926	NW_004515765.1	Scaffold229	157926	GG	TT	1940439273
SNP_P1_175859_160243	NW_004515765.1	Scaffold229	160243	CC	AA	1940439274
SNP_P1_175860_160454	NW_004515765.1	Scaffold229	160454	GG	TT	1940439275
SNP_P1_175861_160531	NW_004515765.1	Scaffold229	160531	GG	TT	1940439276
SNP_P1_175862_160660	NW_004515765.1	Scaffold229	160660	TT	AA	1940439277
SNP_P1_175863_160669	NW_004515765.1	Scaffold229	160669	GG	AA	1940439278
SNP_P1_175864_160701	NW_004515765.1	Scaffold229	160701	TT	CC	1940439279
SNP_P1_175865_160764	NW_004515765.1	Scaffold229	160764	AA	GG	1940439280
SNP_P1_175866_160789	NW_004515765.1	Scaffold229	160789	AA	GG	1940439281
SNP_P1_175867_518	NW_004515766.1	Scaffold231	518	GG	TT	1940439282
SNP_P1_175868_519	NW_004515766.1	Scaffold231	519	TT	GG	1940439283
SNP_P1_175869_4913	NW_004515766.1	Scaffold231	4913	CC	TT	1940439284
SNP_P1_175870_4931	NW_004515766.1	Scaffold231	4931	AA	CC	1940439285
SNP_P1_175872_10331	NW_004515766.1	Scaffold231	10331	CC	GG	1940439286
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SNP_P1_175884_27888	NW_004515766.1	Scaffold231	27888	CC	TT	1940439297
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175887_41785	NW_004515769.1	Scaffold235	41785	TT	AA	1940439300
SNP_P1_175888_41796	NW_004515769.1	Scaffold235	41796	AA	GG	1940439301
SNP_P1_175889_41803	NW_004515769.1	Scaffold235	41803	GG	TT	1940439302
SNP_P1_175890_41849	NW_004515769.1	Scaffold235	41849	GG	AA	1940439303
SNP_P1_175891_42137	NW_004515769.1	Scaffold235	42137	AA	CC	1940439304
SNP_P1_175892_42146	NW_004515769.1	Scaffold235	42146	CC	AA	1940439305
SNP_P1_175893_45413	NW_004515769.1	Scaffold235	45413	GG	AA	1940439306
SNP_P1_175894_45475	NW_004515769.1	Scaffold235	45475	TT	CC	1940439307
SNP_P1_175896_46066	NW_004515769.1	Scaffold235	46066	CC	AA	1940439308
SNP_P1_175897_46970	NW_004515769.1	Scaffold235	46970	GG	AA	1940439309
SNP_P1_175898_47067	NW_004515769.1	Scaffold235	47067	AA	CC	1940439310
SNP_P1_175899_47090	NW_004515769.1	Scaffold235	47090	AA	GG	1940439311
SNP_P1_175900_47121	NW_004515769.1	Scaffold235	47121	CC	TT	1940439312
SNP_P1_175901_47146	NW_004515769.1	Scaffold235	47146	AA	GG	1940439313
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SNP_P1_175905_47549	NW_004515769.1	Scaffold235	47549	CC	TT	1940439317
SNP_P1_175906_48003	NW_004515769.1	Scaffold235	48003	CC	TT	1940439318
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SNP_P1_175910_64760	NW_004515769.1	Scaffold235	64760	GG	AA	1940439321
SNP_P1_175911_64895	NW_004515769.1	Scaffold235	64895	AA	TT	1940439322
SNP_P1_175912_64901	NW_004515769.1	Scaffold235	64901	AA	GG	1940439323
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SNP_P1_175914_97829	NW_004515769.1	Scaffold235	97829	GG	CC	1940439325
SNP_P1_175915_97867	NW_004515769.1	Scaffold235	97867	CC	TT	1940439326
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SNP_P1_175919_98523	NW_004515769.1	Scaffold235	98523	GG	AA	1940439329
SNP_P1_175920_98535	NW_004515769.1	Scaffold235	98535	GG	AA	1940439330
SNP_P1_175921_99402	NW_004515769.1	Scaffold235	99402	AA	GG	1940439331
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SNP_P1_175924_101225	NW_004515769.1	Scaffold235	101225	CC	TT	1940439334
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SNP_P1_175926_101259	NW_004515769.1	Scaffold235	101259	GG	AA	1940439336
SNP_P1_175927_108073	NW_004515769.1	Scaffold235	108073	GG	AA	1940439337
SNP_P1_175929_114841	NW_004515769.1	Scaffold235	114841	CC	TT	1940439339
SNP_P1_175930_149014	NW_004515769.1	Scaffold235	149014	CC	AA	1940439340
SNP_P1_175931_149019	NW_004515769.1	Scaffold235	149019	TT	AA	1940439341

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175933_149049	NW_004515769.1	Scaffold235	149049	GG	CC	1940439343
SNP_P1_175934_162935	NW_004515769.1	Scaffold235	162935	GG	AA	1940439344
SNP_P1_175935_166523	NW_004515769.1	Scaffold235	166523	CC	TT	1940439345
SNP_P1_175936_171833	NW_004515769.1	Scaffold235	171833	AA	GG	1940439346
SNP_P1_175938_178596	NW_004515769.1	Scaffold235	178596	CC	TT	1940439347
SNP_P1_175940_184446	NW_004515769.1	Scaffold235	184446	AA	GG	1940439348
SNP_P1_175941_184456	NW_004515769.1	Scaffold235	184456	GG	CC	1940439349
SNP_P1_175942_184465	NW_004515769.1	Scaffold235	184465	CC	TT	1940439350
SNP_P1_175943_184467	NW_004515769.1	Scaffold235	184467	AA	GG	1940439351
SNP_P1_175944_205257	NW_004515769.1	Scaffold235	205257	GG	AA	1940439352
SNP_P1_175945_205288	NW_004515769.1	Scaffold235	205288	AA	GG	1940439353
SNP_P1_175946_205328	NW_004515769.1	Scaffold235	205328	AA	GG	1940439354
SNP_P1_175947_205335	NW_004515769.1	Scaffold235	205335	GG	AA	1940439355
SNP_P1_175948_205384	NW_004515769.1	Scaffold235	205384	AA	CC	1940439356
SNP_P1_175949_205388	NW_004515769.1	Scaffold235	205388	TT	CC	1940439357
SNP_P1_175950_205401	NW_004515769.1	Scaffold235	205401	CC	TT	1940439358
SNP_P1_175951_205413	NW_004515769.1	Scaffold235	205413	GG	AA	1940439359
SNP_P1_175952_205430	NW_004515769.1	Scaffold235	205430	GG	TT	1940439360
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SNP_P1_175954_205514	NW_004515769.1	Scaffold235	205514	CC	TT	1940439362
SNP_P1_175955_205535	NW_004515769.1	Scaffold235	205535	TT	CC	1940439363
SNP_P1_175956_205554	NW_004515769.1	Scaffold235	205554	TT	CC	1940439364
SNP_P1_175957_205604	NW_004515769.1	Scaffold235	205604	TT	GG	1940439365
SNP_P1_175958_205791	NW_004515769.1	Scaffold235	205791	AA	GG	1940439366
SNP_P1_175959_209745	NW_004515769.1	Scaffold235	209745	CC	GG	1940439367
SNP_P1_175960_211780	NW_004515769.1	Scaffold235	211780	TT	CC	1940439368
SNP_P1_175961_231848	NW_004515769.1	Scaffold235	231848	GG	AA	1940439369
SNP_P1_175962_247840	NW_004515769.1	Scaffold235	247840	CC	TT	1940439370
SNP_P1_175963_272872	NW_004515769.1	Scaffold235	272872	AA	CC	1940439371
SNP_P1_175964_282869	NW_004515769.1	Scaffold235	282869	GG	TT	1940439372
SNP_P1_175965_234	NW_004515770.1	Scaffold236	234	CC	TT	1940439373
SNP_P1_175966_2122	NW_004515770.1	Scaffold236	2122	GG	AA	1940439374
SNP_P1_175967_2258	NW_004515770.1	Scaffold236	2258	TT	GG	1940439375
SNP_P1_175968_5195	NW_004515770.1	Scaffold236	5195	TT	GG	1940439376
SNP_P1_175969_5285	NW_004515770.1	Scaffold236	5285	AA	GG	1940439377
SNP_P1_175970_5365	NW_004515770.1	Scaffold236	5365	TT	AA	1940439378
SNP_P1_175971_5485	NW_004515770.1	Scaffold236	5485	AA	GG	1940439379
SNP_P1_175972_5755	NW_004515770.1	Scaffold236	5755	AA	TT	1940439380
SNP_P1_175973_15774	NW_004515770.1	Scaffold236	15774	GG	AA	1940439381
SNP_P1_175974_15839	NW_004515770.1	Scaffold236	15839	GG	AA	1940439382
SNP_P1_175975_16147	NW_004515770.1	Scaffold236	16147	AA	CC	1940439383

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_175978_17127	NW_004515770.1	Scaffold236	17127	AA	GG	1940439386
SNP_P1_175979_17333	NW_004515770.1	Scaffold236	17333	CC	AA	1940439387
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SNP_P1_175983_23092	NW_004515770.1	Scaffold236	23092	CC	AA	1940439391
SNP_P1_175984_23099	NW_004515770.1	Scaffold236	23099	CC	TT	1940439392
SNP_P1_175985_23112	NW_004515770.1	Scaffold236	23112	AA	GG	1940439393
SNP_P1_175986_23131	NW_004515770.1	Scaffold236	23131	CC	TT	1940439394
SNP_P1_175987_23133	NW_004515770.1	Scaffold236	23133	GG	TT	1940439395
SNP_P1_175988_23153	NW_004515770.1	Scaffold236	23153	CC	TT	1940439396
SNP_P1_175989_23166	NW_004515770.1	Scaffold236	23166	TT	CC	1940439397
SNP_P1_175990_23240	NW_004515770.1	Scaffold236	23240	GG	AA	1940439398
SNP_P1_175991_23241	NW_004515770.1	Scaffold236	23241	GG	AA	1940439399
SNP_P1_175992_23375	NW_004515770.1	Scaffold236	23375	TT	CC	1940439400
SNP_P1_175993_23468	NW_004515770.1	Scaffold236	23468	AA	TT	1940439401
SNP_P1_175994_23512	NW_004515770.1	Scaffold236	23512	CC	AA	1940439402
SNP_P1_175995_23561	NW_004515770.1	Scaffold236	23561	AA	GG	1940439403
SNP_P1_175996_23608	NW_004515770.1	Scaffold236	23608	AA	GG	1940439404
SNP_P1_175997_23753	NW_004515770.1	Scaffold236	23753	AA	TT	1940439405
SNP_P1_175998_23822	NW_004515770.1	Scaffold236	23822	TT	GG	1940439406
SNP_P1_175999_23827	NW_004515770.1	Scaffold236	23827	AA	GG	1940439407
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SNP_P1_176004_23943	NW_004515770.1	Scaffold236	23943	CC	TT	1940439412
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SNP_P1_176008_25613	NW_004515770.1	Scaffold236	25613	GG	AA	1940439416
SNP_P1_176009_25617	NW_004515770.1	Scaffold236	25617	AA	TT	1940439417
SNP_P1_176010_25688	NW_004515770.1	Scaffold236	25688	CC	AA	1940439418
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SNP_P1_176014_26040	NW_004515770.1	Scaffold236	26040	CC	TT	1940439422
SNP_P1_176015_26083	NW_004515770.1	Scaffold236	26083	AA	TT	1940439423
SNP_P1_176016_26238	NW_004515770.1	Scaffold236	26238	GG	AA	1940439424
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176020_26894	NW_004515770.1	Scaffold236	26894	AA	TT	1940439428
SNP_P1_176021_26947	NW_004515770.1	Scaffold236	26947	AA	GG	1940439429
SNP_P1_176022_26954	NW_004515770.1	Scaffold236	26954	AA	CC	1940439430
SNP_P1_176023_27495	NW_004515770.1	Scaffold236	27495	TT	CC	1940439431
SNP_P1_176024_28804	NW_004515770.1	Scaffold236	28804	GG	TT	1940439432
SNP_P1_176025_29072	NW_004515770.1	Scaffold236	29072	TT	AA	1940439433
SNP_P1_176026_29100	NW_004515770.1	Scaffold236	29100	GG	AA	1940439434
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SNP_P1_176028_29131	NW_004515770.1	Scaffold236	29131	CC	TT	1940439436
SNP_P1_176029_29223	NW_004515770.1	Scaffold236	29223	AA	GG	1940439437
SNP_P1_176030_29243	NW_004515770.1	Scaffold236	29243	TT	CC	1940439438
SNP_P1_176031_29525	NW_004515770.1	Scaffold236	29525	AA	CC	1940439439
SNP_P1_176032_29630	NW_004515770.1	Scaffold236	29630	TT	CC	1940439440
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SNP_P1_176034_29795	NW_004515770.1	Scaffold236	29795	CC	TT	1940439442
SNP_P1_176035_29836	NW_004515770.1	Scaffold236	29836	GG	TT	1940439443
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SNP_P1_176037_29899	NW_004515770.1	Scaffold236	29899	GG	CC	1940439445
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SNP_P1_176053_42733	NW_004515770.1	Scaffold236	42733	GG	AA	1940439460
SNP_P1_176054_43130	NW_004515770.1	Scaffold236	43130	CC	TT	1940439461
SNP_P1_176055_43261	NW_004515770.1	Scaffold236	43261	GG	AA	1940439462
SNP_P1_176056_43942	NW_004515770.1	Scaffold236	43942	TT	GG	1940439463
SNP_P1_176057_43954	NW_004515770.1	Scaffold236	43954	GG	AA	1940439464
SNP_P1_176058_44065	NW_004515770.1	Scaffold236	44065	CC	TT	1940439465
SNP_P1_176059_44115	NW_004515770.1	Scaffold236	44115	TT	CC	1940439466
SNP_P1_176060_45300	NW_004515770.1	Scaffold236	45300	GG	CC	1940439467

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176063_45597	NW_004515770.1	Scaffold236	45597	GG	TT	1940439469
SNP_P1_176064_45621	NW_004515770.1	Scaffold236	45621	CC	GG	1940439470
SNP_P1_176065_45746	NW_004515770.1	Scaffold236	45746	AA	GG	1940439471
SNP_P1_176066_45990	NW_004515770.1	Scaffold236	45990	CC	TT	1940439472
SNP_P1_176067_46054	NW_004515770.1	Scaffold236	46054	AA	GG	1940439473
SNP_P1_176068_46405	NW_004515770.1	Scaffold236	46405	AA	GG	1940439474
SNP_P1_176069_46562	NW_004515770.1	Scaffold236	46562	GG	AA	1940439475
SNP_P1_176070_46801	NW_004515770.1	Scaffold236	46801	CC	TT	1940439476
SNP_P1_176071_51190	NW_004515770.1	Scaffold236	51190	CC	GG	1940439478
SNP_P1_176072_51464	NW_004515770.1	Scaffold236	51464	AA	GG	1940439479
SNP_P1_176073_51473	NW_004515770.1	Scaffold236	51473	AA	GG	1940439480
SNP_P1_176074_51480	NW_004515770.1	Scaffold236	51480	TT	GG	1940439481
SNP_P1_176075_51701	NW_004515770.1	Scaffold236	51701	AA	TT	1940439482
SNP_P1_176076_51810	NW_004515770.1	Scaffold236	51810	GG	AA	1940439483
SNP_P1_176077_51894	NW_004515770.1	Scaffold236	51894	GG	AA	1940439484
SNP_P1_176078_51927	NW_004515770.1	Scaffold236	51927	TT	CC	1940439485
SNP_P1_176079_51942	NW_004515770.1	Scaffold236	51942	GG	TT	1940439486
SNP_P1_176080_52077	NW_004515770.1	Scaffold236	52077	CC	GG	1940439487
SNP_P1_176081_52147	NW_004515770.1	Scaffold236	52147	AA	TT	1940439488
SNP_P1_176082_52440	NW_004515770.1	Scaffold236	52440	CC	TT	1940439489
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SNP_P1_176084_53479	NW_004515770.1	Scaffold236	53479	TT	CC	1940439491
SNP_P1_176085_57387	NW_004515770.1	Scaffold236	57387	CC	AA	1940439492
SNP_P1_176086_59223	NW_004515770.1	Scaffold236	59223	GG	CC	1940439493
SNP_P1_176087_59438	NW_004515770.1	Scaffold236	59438	AA	CC	1940439494
SNP_P1_176088_59538	NW_004515770.1	Scaffold236	59538	TT	GG	1940439495
SNP_P1_176089_59636	NW_004515770.1	Scaffold236	59636	CC	GG	1940439496
SNP_P1_176090_59907	NW_004515770.1	Scaffold236	59907	GG	AA	1940439497
SNP_P1_176092_60221	NW_004515770.1	Scaffold236	60221	AA	TT	1940439498
SNP_P1_176093_61123	NW_004515770.1	Scaffold236	61123	TT	CC	1940439499
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SNP_P1_176095_64103	NW_004515770.1	Scaffold236	64103	CC	TT	1940439501
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SNP_P1_176097_64301	NW_004515770.1	Scaffold236	64301	GG	AA	1940439503
SNP_P1_176098_64468	NW_004515770.1	Scaffold236	64468	CC	TT	1940439504
SNP_P1_176099_64503	NW_004515770.1	Scaffold236	64503	CC	TT	1940439505
SNP_P1_176100_64506	NW_004515770.1	Scaffold236	64506	AA	GG	1940439506
SNP_P1_176101_64508	NW_004515770.1	Scaffold236	64508	AA	TT	1940439507
SNP_P1_176102_64521	NW_004515770.1	Scaffold236	64521	GG	CC	1940439508
SNP_P1_176103_64676	NW_004515770.1	Scaffold236	64676	TT	CC	1940439509
SNP_P1_176104_66326	NW_004515770.1	Scaffold236	66326	GG	CC	1940439510

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176106_69380	NW_004515770.1	Scaffold236	69380	CC	AA	1940439512
SNP_P1_176107_71890	NW_004515770.1	Scaffold236	71890	TT	AA	1940439513
SNP_P1_176108_71934	NW_004515770.1	Scaffold236	71934	CC	TT	1940439514
SNP_P1_176109_2415	NW_004515771.1	Scaffold237	2415	CC	AA	1940439515
SNP_P1_176110_2477	NW_004515771.1	Scaffold237	2477	TT	CC	1940439516
SNP_P1_176111_2607	NW_004515771.1	Scaffold237	2607	TT	CC	1940439517
SNP_P1_176112_5663	NW_004515771.1	Scaffold237	5663	CC	TT	1940439518
SNP_P1_176113_6360	NW_004515771.1	Scaffold237	6360	AA	GG	1940439519
SNP_P1_176114_16095	NW_004515771.1	Scaffold237	16095	TT	CC	1940439520
SNP_P1_176115_16147	NW_004515771.1	Scaffold237	16147	AA	TT	1940439521
SNP_P1_176116_16150	NW_004515771.1	Scaffold237	16150	AA	CC	1940439522
SNP_P1_176117_16243	NW_004515771.1	Scaffold237	16243	TT	GG	1940439523
SNP_P1_176118_16305	NW_004515771.1	Scaffold237	16305	TT	AA	1940439524
SNP_P1_176119_16499	NW_004515771.1	Scaffold237	16499	AA	GG	1940439525
SNP_P1_176120_16845	NW_004515771.1	Scaffold237	16845	CC	AA	1940439526
SNP_P1_176121_22128	NW_004515771.1	Scaffold237	22128	CC	TT	1940439527
SNP_P1_176122_22407	NW_004515771.1	Scaffold237	22407	CC	TT	1940439528
SNP_P1_176123_22417	NW_004515771.1	Scaffold237	22417	TT	AA	1940439529
SNP_P1_176124_22418	NW_004515771.1	Scaffold237	22418	AA	GG	1940439530
SNP_P1_176125_22462	NW_004515771.1	Scaffold237	22462	AA	CC	1940439531
SNP_P1_176126_22554	NW_004515771.1	Scaffold237	22554	TT	AA	1940439532
SNP_P1_176127_22632	NW_004515771.1	Scaffold237	22632	CC	TT	1940439533
SNP_P1_176128_22670	NW_004515771.1	Scaffold237	22670	GG	AA	1940439534
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SNP_P1_176131_24564	NW_004515771.1	Scaffold237	24564	AA	TT	1940439537
SNP_P1_176132_24883	NW_004515771.1	Scaffold237	24883	TT	AA	1940439538
SNP_P1_176133_25061	NW_004515771.1	Scaffold237	25061	CC	AA	1940439539
SNP_P1_176134_25309	NW_004515771.1	Scaffold237	25309	AA	GG	1940439540
SNP_P1_176135_28461	NW_004515771.1	Scaffold237	28461	CC	GG	1940439541
SNP_P1_176136_52393	NW_004515771.1	Scaffold237	52393	TT	AA	1940439542
SNP_P1_176137_52408	NW_004515771.1	Scaffold237	52408	TT	CC	1940439543
SNP_P1_176138_52415	NW_004515771.1	Scaffold237	52415	TT	AA	1940439544
SNP_P1_176139_52438	NW_004515771.1	Scaffold237	52438	CC	TT	1940439545
SNP_P1_176140_52617	NW_004515771.1	Scaffold237	52617	TT	AA	1940439546
SNP_P1_176141_52899	NW_004515771.1	Scaffold237	52899	TT	GG	1940439547
SNP_P1_176142_57696	NW_004515771.1	Scaffold237	57696	CC	AA	1940439548
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SNP_P1_176144_58051	NW_004515771.1	Scaffold237	58051	CC	GG	1940439550
SNP_P1_176145_58105	NW_004515771.1	Scaffold237	58105	TT	CC	1940439551
SNP_P1_176146_58283	NW_004515771.1	Scaffold237	58283	TT	CC	1940439552

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176149_58381	NW_004515771.1	Scaffold237	58381	AA	GG	1940439555
SNP_P1_176150_58417	NW_004515771.1	Scaffold237	58417	CC	GG	1940439556
SNP_P1_176151_58445	NW_004515771.1	Scaffold237	58445	AA	TT	1940439557
SNP_P1_176152_58455	NW_004515771.1	Scaffold237	58455	AA	GG	1940439558
SNP_P1_176153_58485	NW_004515771.1	Scaffold237	58485	AA	GG	1940439559
SNP_P1_176154_60074	NW_004515771.1	Scaffold237	60074	AA	GG	1940439560
SNP_P1_176155_61400	NW_004515771.1	Scaffold237	61400	TT	CC	1940439561
SNP_P1_176156_70853	NW_004515771.1	Scaffold237	70853	TT	AA	1940439562
SNP_P1_176157_71142	NW_004515771.1	Scaffold237	71142	CC	AA	1940439563
SNP_P1_176158_71585	NW_004515771.1	Scaffold237	71585	TT	GG	1940439564
SNP_P1_176159_71730	NW_004515771.1	Scaffold237	71730	TT	AA	1940439565
SNP_P1_176160_71751	NW_004515771.1	Scaffold237	71751	TT	CC	1940439566
SNP_P1_176161_71781	NW_004515771.1	Scaffold237	71781	CC	AA	1940439567
SNP_P1_176162_71802	NW_004515771.1	Scaffold237	71802	GG	TT	1940439568
SNP_P1_176163_71813	NW_004515771.1	Scaffold237	71813	AA	GG	1940439569
SNP_P1_176164_629	NW_004515772.1	Scaffold238	629	GG	CC	1940439570
SNP_P1_176165_643	NW_004515772.1	Scaffold238	643	GG	TT	1940439571
SNP_P1_176166_688	NW_004515772.1	Scaffold238	688	AA	GG	1940439572
SNP_P1_176167_731	NW_004515772.1	Scaffold238	731	CC	TT	1940439573
SNP_P1_176168_928	NW_004515772.1	Scaffold238	928	TT	AA	1940439574
SNP_P1_176170_1092	NW_004515772.1	Scaffold238	1092	GG	AA	1940439575
SNP_P1_176171_1102	NW_004515772.1	Scaffold238	1102	TT	GG	1940439576
SNP_P1_176172_1111	NW_004515772.1	Scaffold238	1111	AA	GG	1940439577
SNP_P1_176173_1155	NW_004515772.1	Scaffold238	1155	TT	CC	1940439578
SNP_P1_176174_1169	NW_004515772.1	Scaffold238	1169	TT	CC	1940439579
SNP_P1_176175_1259	NW_004515772.1	Scaffold238	1259	TT	AA	1940439580
SNP_P1_176176_1291	NW_004515772.1	Scaffold238	1291	AA	CC	1940439581
SNP_P1_176177_1342	NW_004515772.1	Scaffold238	1342	CC	TT	1940439582
SNP_P1_176178_1381	NW_004515772.1	Scaffold238	1381	TT	AA	1940439583
SNP_P1_176179_1386	NW_004515772.1	Scaffold238	1386	GG	AA	1940439584
SNP_P1_176180_1860	NW_004515772.1	Scaffold238	1860	GG	AA	1940439585
SNP_P1_176181_2072	NW_004515772.1	Scaffold238	2072	GG	AA	1940439586
SNP_P1_176182_2636	NW_004515772.1	Scaffold238	2636	AA	GG	1940439587
SNP_P1_176183_4195	NW_004515772.1	Scaffold238	4195	CC	TT	1940439588
SNP_P1_176184_4248	NW_004515772.1	Scaffold238	4248	TT	CC	1940439589
SNP_P1_176185_4443	NW_004515772.1	Scaffold238	4443	AA	TT	1940439590
SNP_P1_176186_4559	NW_004515772.1	Scaffold238	4559	AA	GG	1940439591
SNP_P1_176187_4606	NW_004515772.1	Scaffold238	4606	AA	TT	1940439592
SNP_P1_176188_8251	NW_004515772.1	Scaffold238	8251	TT	CC	1940439593
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176192_17464	NW_004515772.1	Scaffold238	17464	AA	TT	1940439597
SNP_P1_176193_18885	NW_004515772.1	Scaffold238	18885	AA	CC	1940439598
SNP_P1_176194_18915	NW_004515772.1	Scaffold238	18915	TT	CC	1940439599
SNP_P1_176195_18933	NW_004515772.1	Scaffold238	18933	AA	GG	1940439600
SNP_P1_176196_18941	NW_004515772.1	Scaffold238	18941	CC	TT	1940439601
SNP_P1_176197_19191	NW_004515772.1	Scaffold238	19191	TT	AA	1940439602
SNP_P1_176198_19227	NW_004515772.1	Scaffold238	19227	AA	CC	1940439603
SNP_P1_176199_19862	NW_004515772.1	Scaffold238	19862	TT	GG	1940439604
SNP_P1_176200_20672	NW_004515772.1	Scaffold238	20672	GG	AA	1940439605
SNP_P1_176201_20675	NW_004515772.1	Scaffold238	20675	AA	CC	1940439606
SNP_P1_176202_21094	NW_004515772.1	Scaffold238	21094	CC	AA	1940439607
SNP_P1_176203_23397	NW_004515772.1	Scaffold238	23397	GG	AA	1940439608
SNP_P1_176204_23823	NW_004515772.1	Scaffold238	23823	AA	TT	1940439609
SNP_P1_176205_23849	NW_004515772.1	Scaffold238	23849	CC	TT	1940439610
SNP_P1_176206_23915	NW_004515772.1	Scaffold238	23915	AA	GG	1940439611
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SNP_P1_176211_27371	NW_004515772.1	Scaffold238	27371	CC	AA	1940439616
SNP_P1_176212_27705	NW_004515772.1	Scaffold238	27705	TT	CC	1940439617
SNP_P1_176214_5061	NW_004515773.1	Scaffold239	5061	AA	GG	1940439618
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SNP_P1_176231_28065	NW_004515773.1	Scaffold239	28065	AA	TT	1940439635
SNP_P1_176232_36753	NW_004515773.1	Scaffold239	36753	TT	GG	1940439636
SNP_P1_176233_36989	NW_004515773.1	Scaffold239	36989	CC	AA	1940439637

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176237_37441	NW_004515773.1	Scaffold239	37441	GG	AA	1940439641
SNP_P1_176238_37444	NW_004515773.1	Scaffold239	37444	GG	TT	1940439642
SNP_P1_176239_37445	NW_004515773.1	Scaffold239	37445	TT	CC	1940439643
SNP_P1_176240_37446	NW_004515773.1	Scaffold239	37446	GG	AA	1940439644
SNP_P1_176241_37944	NW_004515773.1	Scaffold239	37944	TT	CC	1940439645
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SNP_P1_176245_49950	NW_004515773.1	Scaffold239	49950	AA	GG	1940439649
SNP_P1_176246_50141	NW_004515773.1	Scaffold239	50141	TT	CC	1940439650
SNP_P1_176247_50183	NW_004515773.1	Scaffold239	50183	AA	TT	1940439651
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SNP_P1_176250_50210	NW_004515773.1	Scaffold239	50210	AA	CC	1940439654
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SNP_P1_176260_50351	NW_004515773.1	Scaffold239	50351	CC	TT	1940439664
SNP_P1_176261_50357	NW_004515773.1	Scaffold239	50357	AA	GG	1940439665
SNP_P1_176262_50581	NW_004515773.1	Scaffold239	50581	GG	AA	1940439666
SNP_P1_176263_50588	NW_004515773.1	Scaffold239	50588	AA	GG	1940439667
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SNP_P1_176269_55985	NW_004515773.1	Scaffold239	55985	TT	CC	1940439673
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SNP_P1_176271_57005	NW_004515773.1	Scaffold239	57005	TT	GG	1940439675
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SNP_P1_176273_57009	NW_004515773.1	Scaffold239	57009	TT	GG	1940439677
SNP_P1_176274_57210	NW_004515773.1	Scaffold239	57210	GG	AA	1940439678
SNP_P1_176275_60642	NW_004515773.1	Scaffold239	60642	TT	CC	1940439679

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176277_63370	NW_004515773.1	Scaffold239	63370	CC	TT	1940439681
SNP_P1_176278_64099	NW_004515773.1	Scaffold239	64099	GG	CC	1940439682
SNP_P1_176279_64104	NW_004515773.1	Scaffold239	64104	CC	TT	1940439683
SNP_P1_176280_64107	NW_004515773.1	Scaffold239	64107	TT	GG	1940439684
SNP_P1_176281_64794	NW_004515773.1	Scaffold239	64794	TT	CC	1940439685
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SNP_P1_176283_64813	NW_004515773.1	Scaffold239	64813	TT	GG	1940439687
SNP_P1_176284_64978	NW_004515773.1	Scaffold239	64978	CC	AA	1940439688
SNP_P1_176285_65015	NW_004515773.1	Scaffold239	65015	CC	GG	1940439689
SNP_P1_176286_65016	NW_004515773.1	Scaffold239	65016	AA	GG	1940439690
SNP_P1_176287_68418	NW_004515773.1	Scaffold239	68418	TT	CC	1940439691
SNP_P1_176288_75131	NW_004515773.1	Scaffold239	75131	AA	CC	1940439692
SNP_P1_176289_75661	NW_004515773.1	Scaffold239	75661	TT	CC	1940439693
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SNP_P1_176291_75676	NW_004515773.1	Scaffold239	75676	GG	AA	1940439695
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SNP_P1_176293_76066	NW_004515773.1	Scaffold239	76066	GG	TT	1940439697
SNP_P1_176294_80603	NW_004515773.1	Scaffold239	80603	GG	CC	1940439698
SNP_P1_176295_80998	NW_004515773.1	Scaffold239	80998	GG	CC	1940439699
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SNP_P1_176299_83749	NW_004515773.1	Scaffold239	83749	GG	CC	1940439703
SNP_P1_176300_83787	NW_004515773.1	Scaffold239	83787	TT	CC	1940439704
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SNP_P1_176313_89681	NW_004515773.1	Scaffold239	89681	AA	TT	1940439717
SNP_P1_176314_89718	NW_004515773.1	Scaffold239	89718	CC	AA	1940439718
SNP_P1_176315_89801	NW_004515773.1	Scaffold239	89801	GG	AA	1940439719
SNP_P1_176316_89802	NW_004515773.1	Scaffold239	89802	GG	AA	1940439720
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176319_89893	NW_004515773.1	Scaffold239	89893	GG	TT	1940439723
SNP_P1_176320_89900	NW_004515773.1	Scaffold239	89900	TT	AA	1940439724
SNP_P1_176321_89923	NW_004515773.1	Scaffold239	89923	CC	TT	1940439725
SNP_P1_176322_89948	NW_004515773.1	Scaffold239	89948	TT	GG	1940439726
SNP_P1_176323_89991	NW_004515773.1	Scaffold239	89991	TT	AA	1940439727
SNP_P1_176324_90011	NW_004515773.1	Scaffold239	90011	CC	AA	1940439728
SNP_P1_176325_90065	NW_004515773.1	Scaffold239	90065	GG	CC	1940439729
SNP_P1_176326_90070	NW_004515773.1	Scaffold239	90070	CC	TT	1940439730
SNP_P1_176327_96743	NW_004515773.1	Scaffold239	96743	GG	AA	1940439731
SNP_P1_176328_96778	NW_004515773.1	Scaffold239	96778	GG	TT	1940439732
SNP_P1_176329_96793	NW_004515773.1	Scaffold239	96793	AA	TT	1940439733
SNP_P1_176330_96808	NW_004515773.1	Scaffold239	96808	TT	AA	1940439734
SNP_P1_176331_96867	NW_004515773.1	Scaffold239	96867	TT	CC	1940439735
SNP_P1_176332_97093	NW_004515773.1	Scaffold239	97093	AA	GG	1940439736
SNP_P1_176333_97367	NW_004515773.1	Scaffold239	97367	TT	GG	1940439737
SNP_P1_176334_97370	NW_004515773.1	Scaffold239	97370	TT	GG	1940439738
SNP_P1_176335_97379	NW_004515773.1	Scaffold239	97379	CC	TT	1940439739
SNP_P1_176336_97493	NW_004515773.1	Scaffold239	97493	GG	TT	1940439740
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SNP_P1_176340_97676	NW_004515773.1	Scaffold239	97676	TT	CC	1940439744
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SNP_P1_176346_98019	NW_004515773.1	Scaffold239	98019	TT	AA	1940439750
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SNP_P1_176351_98104	NW_004515773.1	Scaffold239	98104	CC	GG	1940439755
SNP_P1_176352_98121	NW_004515773.1	Scaffold239	98121	GG	AA	1940439756
SNP_P1_176353_98176	NW_004515773.1	Scaffold239	98176	TT	CC	1940439757
SNP_P1_176354_98177	NW_004515773.1	Scaffold239	98177	GG	AA	1940439758
SNP_P1_176355_98182	NW_004515773.1	Scaffold239	98182	AA	CC	1940439759
SNP_P1_176356_98197	NW_004515773.1	Scaffold239	98197	CC	TT	1940439760
SNP_P1_176357_98221	NW_004515773.1	Scaffold239	98221	GG	AA	1940439761
SNP_P1_176358_98237	NW_004515773.1	Scaffold239	98237	TT	CC	1940439762
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176363_98363	NW_004515773.1	Scaffold239	98363	GG	TT	1940439767
SNP_P1_176364_98371	NW_004515773.1	Scaffold239	98371	TT	GG	1940439768
SNP_P1_176365_98372	NW_004515773.1	Scaffold239	98372	TT	CC	1940439769
SNP_P1_176366_98401	NW_004515773.1	Scaffold239	98401	TT	AA	1940439770
SNP_P1_176367_98434	NW_004515773.1	Scaffold239	98434	GG	TT	1940439771
SNP_P1_176368_98439	NW_004515773.1	Scaffold239	98439	TT	AA	1940439772
SNP_P1_176369_98593	NW_004515773.1	Scaffold239	98593	AA	TT	1940439773
SNP_P1_176370_98711	NW_004515773.1	Scaffold239	98711	GG	AA	1940439774
SNP_P1_176371_98791	NW_004515773.1	Scaffold239	98791	GG	TT	1940439775
SNP_P1_176372_98794	NW_004515773.1	Scaffold239	98794	TT	CC	1940439776
SNP_P1_176373_98826	NW_004515773.1	Scaffold239	98826	AA	CC	1940439777
SNP_P1_176374_109035	NW_004515773.1	Scaffold239	109035	TT	AA	1940439779
SNP_P1_176377_109670	NW_004515773.1	Scaffold239	109670	CC	TT	1940439780
SNP_P1_176378_109683	NW_004515773.1	Scaffold239	109683	AA	GG	1940439781
SNP_P1_176379_109825	NW_004515773.1	Scaffold239	109825	TT	CC	1940439782
SNP_P1_176380_109888	NW_004515773.1	Scaffold239	109888	GG	TT	1940439783
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SNP_P1_176384_110680	NW_004515773.1	Scaffold239	110680	TT	CC	1940439787
SNP_P1_176385_110684	NW_004515773.1	Scaffold239	110684	TT	CC	1940439788
SNP_P1_176386_110696	NW_004515773.1	Scaffold239	110696	TT	AA	1940439789
SNP_P1_176387_110701	NW_004515773.1	Scaffold239	110701	AA	TT	1940439790
SNP_P1_176388_2036	NW_004515774.1	Scaffold240	2036	GG	CC	1940439791
SNP_P1_176389_4629	NW_004515774.1	Scaffold240	4629	CC	TT	1940439792
SNP_P1_176390_4645	NW_004515774.1	Scaffold240	4645	CC	TT	1940439793
SNP_P1_176391_8030	NW_004515774.1	Scaffold240	8030	TT	AA	1940439794
SNP_P1_176392_18241	NW_004515774.1	Scaffold240	18241	TT	AA	1940439795
SNP_P1_176393_38660	NW_004515774.1	Scaffold240	38660	GG	AA	1940439796
SNP_P1_176395_59118	NW_004515774.1	Scaffold240	59118	AA	GG	1940439797
SNP_P1_176396_59122	NW_004515774.1	Scaffold240	59122	AA	GG	1940439798
SNP_P1_176397_59449	NW_004515774.1	Scaffold240	59449	AA	CC	1940439799
SNP_P1_176398_59451	NW_004515774.1	Scaffold240	59451	AA	GG	1940439800
SNP_P1_176399_69829	NW_004515774.1	Scaffold240	69829	TT	CC	1940439801
SNP_P1_176401_72923	NW_004515774.1	Scaffold240	72923	AA	GG	1940439802
SNP_P1_176402_73014	NW_004515774.1	Scaffold240	73014	TT	GG	1940439803
SNP_P1_176403_73019	NW_004515774.1	Scaffold240	73019	GG	AA	1940439804
SNP_P1_176404_73052	NW_004515774.1	Scaffold240	73052	CC	TT	1940439805
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176407_73119	NW_004515774.1	Scaffold240	73119	AA	GG	1940439808
SNP_P1_176410_73464	NW_004515774.1	Scaffold240	73464	GG	AA	1940439809
SNP_P1_176411_73525	NW_004515774.1	Scaffold240	73525	AA	CC	1940439810
SNP_P1_176412_73530	NW_004515774.1	Scaffold240	73530	TT	AA	1940439811
SNP_P1_176413_73554	NW_004515774.1	Scaffold240	73554	TT	GG	1940439812
SNP_P1_176414_73557	NW_004515774.1	Scaffold240	73557	TT	GG	1940439813
SNP_P1_176415_73571	NW_004515774.1	Scaffold240	73571	TT	CC	1940439814
SNP_P1_176416_83681	NW_004515774.1	Scaffold240	83681	GG	AA	1940439815
SNP_P1_176417_84111	NW_004515774.1	Scaffold240	84111	CC	TT	1940439816
SNP_P1_176418_94711	NW_004515774.1	Scaffold240	94711	AA	TT	1940439817
SNP_P1_176419_100966	NW_004515774.1	Scaffold240	100966	GG	CC	1940439818
SNP_P1_176420_100979	NW_004515774.1	Scaffold240	100979	CC	AA	1940439819
SNP_P1_176421_101000	NW_004515774.1	Scaffold240	101000	AA	CC	1940439820
SNP_P1_176422_101024	NW_004515774.1	Scaffold240	101024	TT	CC	1940439821
SNP_P1_176423_117062	NW_004515774.1	Scaffold240	117062	GG	TT	1940439822
SNP_P1_176424_138292	NW_004515774.1	Scaffold240	138292	TT	GG	1940439823
SNP_P1_176425_139332	NW_004515774.1	Scaffold240	139332	AA	GG	1940439824
SNP_P1_176426_142325	NW_004515774.1	Scaffold240	142325	AA	TT	1940439825
SNP_P1_176427_142329	NW_004515774.1	Scaffold240	142329	CC	AA	1940439826
SNP_P1_176428_142344	NW_004515774.1	Scaffold240	142344	TT	GG	1940439827
SNP_P1_176429_142774	NW_004515774.1	Scaffold240	142774	CC	TT	1940439828
SNP_P1_176430_142776	NW_004515774.1	Scaffold240	142776	TT	CC	1940439829
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SNP_P1_176437_143754	NW_004515774.1	Scaffold240	143754	TT	AA	1940439836
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SNP_P1_176439_145027	NW_004515774.1	Scaffold240	145027	CC	TT	1940439838
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SNP_P1_176443_147677	NW_004515774.1	Scaffold240	147677	CC	TT	1940439842
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SNP_P1_176446_150309	NW_004515774.1	Scaffold240	150309	AA	GG	1940439844
SNP_P1_176448_151401	NW_004515774.1	Scaffold240	151401	CC	TT	1940439845
SNP_P1_176449_151905	NW_004515774.1	Scaffold240	151905	GG	AA	1940439846
SNP_P1_176450_153962	NW_004515774.1	Scaffold240	153962	TT	CC	1940439847
SNP_P1_176451_155587	NW_004515774.1	Scaffold240	155587	CC	TT	1940439848

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176455_159050	NW_004515774.1	Scaffold240	159050	TT	CC	1940439851
SNP_P1_176456_159067	NW_004515774.1	Scaffold240	159067	TT	CC	1940439852
SNP_P1_176457_159079	NW_004515774.1	Scaffold240	159079	GG	AA	1940439853
SNP_P1_176458_6532	NW_004515775.1	Scaffold242	6532	GG	TT	1940439854
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SNP_P1_176460_7065	NW_004515775.1	Scaffold242	7065	TT	GG	1940439856
SNP_P1_176461_8474	NW_004515775.1	Scaffold242	8474	AA	CC	1940439857
SNP_P1_176462_8835	NW_004515775.1	Scaffold242	8835	CC	TT	1940439858
SNP_P1_176463_8871	NW_004515775.1	Scaffold242	8871	TT	CC	1940439859
SNP_P1_176464_8973	NW_004515775.1	Scaffold242	8973	AA	CC	1940439860
SNP_P1_176465_9073	NW_004515775.1	Scaffold242	9073	TT	CC	1940439861
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SNP_P1_176468_16591	NW_004515775.1	Scaffold242	16591	AA	GG	1940439863
SNP_P1_176469_17219	NW_004515775.1	Scaffold242	17219	GG	CC	1940439864
SNP_P1_176470_17432	NW_004515775.1	Scaffold242	17432	GG	TT	1940439865
SNP_P1_176471_20555	NW_004515775.1	Scaffold242	20555	GG	AA	1940439866
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SNP_P1_176486_42110	NW_004515775.1	Scaffold242	42110	GG	AA	1940439880
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SNP_P1_176494_44853	NW_004515775.1	Scaffold242	44853	CC	AA	1940439888
SNP_P1_176495_45094	NW_004515775.1	Scaffold242	45094	TT	CC	1940439889
SNP_P1_176496_45227	NW_004515775.1	Scaffold242	45227	TT	GG	1940439890

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_176497_45228	NW_004515775.1	Scaffold242	45228	AA	GG	1940439891
SNP_P1_176498_45243	NW_004515775.1	Scaffold242	45243	AA	GG	1940439892
SNP_P1_176499_45294	NW_004515775.1	Scaffold242	45294	AA	GG	1940439893
SNP_P1_176500_45366	NW_004515775.1	Scaffold242	45366	TT	CC	1940439894
SNP_P1_176501_45468	NW_004515775.1	Scaffold242	45468	TT	AA	1940439895
SNP_P1_176502_45475	NW_004515775.1	Scaffold242	45475	AA	GG	1940439896
SNP_P1_176503_45483	NW_004515775.1	Scaffold242	45483	GG	AA	1940439897
SNP_P1_176504_45485	NW_004515775.1	Scaffold242	45485	GG	TT	1940439898
SNP_P1_176505_45516	NW_004515775.1	Scaffold242	45516	CC	TT	1940439899
SNP_P1_176506_48653	NW_004515775.1	Scaffold242	48653	CC	AA	1940439900
SNP_P1_176507_48827	NW_004515775.1	Scaffold242	48827	CC	TT	1940439901
SNP_P1_176508_49412	NW_004515775.1	Scaffold242	49412	GG	AA	1940439902
SNP_P1_176509_50335	NW_004515775.1	Scaffold242	50335	AA	GG	1940439903
SNP_P1_176510_50356	NW_004515775.1	Scaffold242	50356	GG	AA	1940439904
SNP_P1_176511_50365	NW_004515775.1	Scaffold242	50365	CC	GG	1940439905
SNP_P1_176512_50421	NW_004515775.1	Scaffold242	50421	AA	GG	1940439906
SNP_P1_176513_50426	NW_004515775.1	Scaffold242	50426	TT	CC	1940439907
SNP_P1_176514_50644	NW_004515775.1	Scaffold242	50644	AA	GG	1940439908
SNP_P1_176515_50832	NW_004515775.1	Scaffold242	50832	AA	GG	1940439909
SNP_P1_176516_50861	NW_004515775.1	Scaffold242	50861	TT	CC	1940439910
SNP_P1_176517_51027	NW_004515775.1	Scaffold242	51027	TT	CC	1940439911
SNP_P1_176518_51316	NW_004515775.1	Scaffold242	51316	TT	CC	1940439912
SNP_P1_176519_52141	NW_004515775.1	Scaffold242	52141	CC	TT	1940439913
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SNP_P1_176522_52210	NW_004515775.1	Scaffold242	52210	AA	CC	1940439916
SNP_P1_176523_52215	NW_004515775.1	Scaffold242	52215	GG	AA	1940439917
SNP_P1_176524_52229	NW_004515775.1	Scaffold242	52229	TT	AA	1940439918
SNP_P1_176525_52231	NW_004515775.1	Scaffold242	52231	AA	CC	1940439920
SNP_P1_176526_52503	NW_004515775.1	Scaffold242	52503	AA	GG	1940439921
SNP_P1_176527_52762	NW_004515775.1	Scaffold242	52762	GG	AA	1940439922
SNP_P1_176529_62721	NW_004515775.1	Scaffold242	62721	CC	AA	1940439923
SNP_P1_176530_64740	NW_004515775.1	Scaffold242	64740	GG	AA	1940439924
SNP_P1_176531_64769	NW_004515775.1	Scaffold242	64769	GG	AA	1940439925
SNP_P1_176534_73377	NW_004515775.1	Scaffold242	73377	GG	AA	1940439926
SNP_P1_176535_82394	NW_004515775.1	Scaffold242	82394	GG	TT	1940439927
SNP_P1_176537_87080	NW_004515775.1	Scaffold242	87080	TT	AA	1940439928
SNP_P1_176538_87179	NW_004515775.1	Scaffold242	87179	AA	GG	1940439929
SNP_P1_176539_97097	NW_004515775.1	Scaffold242	97097	CC	AA	1940439930
SNP_P1_176540_97829	NW_004515775.1	Scaffold242	97829	AA	CC	1940439931
SNP_P1_176541_97901	NW_004515775.1	Scaffold242	97901	AA	GG	1940439932
SNP_P1_176542_98150	NW_004515775.1	Scaffold242	98150	TT	AA	1940439933

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176544_103679	NW_004515775.1	Scaffold242	103679	TT	GG	1940439935
SNP_P1_176545_103749	NW_004515775.1	Scaffold242	103749	CC	TT	1940439936
SNP_P1_176546_103775	NW_004515775.1	Scaffold242	103775	CC	TT	1940439937
SNP_P1_176547_103779	NW_004515775.1	Scaffold242	103779	CC	AA	1940439938
SNP_P1_176548_103993	NW_004515775.1	Scaffold242	103993	AA	GG	1940439939
SNP_P1_176549_103998	NW_004515775.1	Scaffold242	103998	CC	TT	1940439940
SNP_P1_176550_104050	NW_004515775.1	Scaffold242	104050	AA	GG	1940439941
SNP_P1_176551_104172	NW_004515775.1	Scaffold242	104172	CC	AA	1940439942
SNP_P1_176552_104305	NW_004515775.1	Scaffold242	104305	CC	TT	1940439943
SNP_P1_176553_105712	NW_004515775.1	Scaffold242	105712	TT	AA	1940439944
SNP_P1_176554_106779	NW_004515775.1	Scaffold242	106779	TT	CC	1940439945
SNP_P1_176555_108197	NW_004515775.1	Scaffold242	108197	CC	TT	1940439946
SNP_P1_176556_109816	NW_004515775.1	Scaffold242	109816	GG	TT	1940439947
SNP_P1_176557_112354	NW_004515775.1	Scaffold242	112354	CC	AA	1940439948
SNP_P1_176558_113989	NW_004515775.1	Scaffold242	113989	AA	GG	1940439949
SNP_P1_176559_114997	NW_004515775.1	Scaffold242	114997	CC	GG	1940439950
SNP_P1_176560_115811	NW_004515775.1	Scaffold242	115811	CC	TT	1940439951
SNP_P1_176561_117929	NW_004515775.1	Scaffold242	117929	AA	GG	1940439952
SNP_P1_176562_117983	NW_004515775.1	Scaffold242	117983	GG	AA	1940439953
SNP_P1_176563_119380	NW_004515775.1	Scaffold242	119380	CC	TT	1940439954
SNP_P1_176564_119809	NW_004515775.1	Scaffold242	119809	CC	TT	1940439955
SNP_P1_176565_121771	NW_004515775.1	Scaffold242	121771	TT	CC	1940439956
SNP_P1_176566_121778	NW_004515775.1	Scaffold242	121778	CC	TT	1940439957
SNP_P1_176567_122934	NW_004515775.1	Scaffold242	122934	GG	CC	1940439958
SNP_P1_176568_123010	NW_004515775.1	Scaffold242	123010	CC	TT	1940439959
SNP_P1_176570_130723	NW_004515775.1	Scaffold242	130723	AA	GG	1940439960
SNP_P1_176571_130966	NW_004515775.1	Scaffold242	130966	TT	GG	1940439961
SNP_P1_176572_132733	NW_004515775.1	Scaffold242	132733	TT	CC	1940439962
SNP_P1_176573_133212	NW_004515775.1	Scaffold242	133212	GG	TT	1940439963
SNP_P1_176574_138651	NW_004515775.1	Scaffold242	138651	AA	GG	1940439964
SNP_P1_176575_145082	NW_004515775.1	Scaffold242	145082	CC	AA	1940439965
SNP_P1_176576_145175	NW_004515775.1	Scaffold242	145175	CC	TT	1940439966
SNP_P1_176577_146432	NW_004515775.1	Scaffold242	146432	AA	TT	1940439967
SNP_P1_176578_147595	NW_004515775.1	Scaffold242	147595	CC	TT	1940439968
SNP_P1_176580_155620	NW_004515775.1	Scaffold242	155620	AA	GG	1940439969
SNP_P1_176581_156781	NW_004515775.1	Scaffold242	156781	AA	GG	1940439970
SNP_P1_176582_160286	NW_004515775.1	Scaffold242	160286	TT	CC	1940439971
SNP_P1_176583_161155	NW_004515775.1	Scaffold242	161155	GG	TT	1940439972
SNP_P1_176584_161394	NW_004515775.1	Scaffold242	161394	AA	TT	1940439973
SNP_P1_176585_163045	NW_004515775.1	Scaffold242	163045	CC	TT	1940439974
SNP_P1_176587_168471	NW_004515775.1	Scaffold242	168471	CC	TT	1940439975

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176589_172314	NW_004515775.1	Scaffold242	172314	AA	CC	1940439977
SNP_P1_176590_173086	NW_004515775.1	Scaffold242	173086	CC	TT	1940439978
SNP_P1_176591_174553	NW_004515775.1	Scaffold242	174553	GG	TT	1940439979
SNP_P1_176592_178081	NW_004515775.1	Scaffold242	178081	CC	GG	1940439980
SNP_P1_176593_178187	NW_004515775.1	Scaffold242	178187	TT	CC	1940439981
SNP_P1_176594_178260	NW_004515775.1	Scaffold242	178260	AA	GG	1940439982
SNP_P1_176595_181630	NW_004515775.1	Scaffold242	181630	GG	AA	1940439983
SNP_P1_176596_183022	NW_004515775.1	Scaffold242	183022	TT	AA	1940439984
SNP_P1_176597_185519	NW_004515775.1	Scaffold242	185519	GG	TT	1940439985
SNP_P1_176598_186122	NW_004515775.1	Scaffold242	186122	CC	TT	1940439986
SNP_P1_176599_186368	NW_004515775.1	Scaffold242	186368	TT	CC	1940439987
SNP_P1_176600_186736	NW_004515775.1	Scaffold242	186736	AA	TT	1940439988
SNP_P1_176602_190137	NW_004515775.1	Scaffold242	190137	CC	GG	1940439989
SNP_P1_176603_190158	NW_004515775.1	Scaffold242	190158	TT	CC	1940439990
SNP_P1_176604_191423	NW_004515775.1	Scaffold242	191423	GG	AA	1940439991
SNP_P1_176605_191472	NW_004515775.1	Scaffold242	191472	AA	GG	1940439992
SNP_P1_176606_191552	NW_004515775.1	Scaffold242	191552	TT	CC	1940439993
SNP_P1_176608_192336	NW_004515775.1	Scaffold242	192336	AA	TT	1940439994
SNP_P1_176609_194425	NW_004515775.1	Scaffold242	194425	TT	CC	1940439995
SNP_P1_176611_195978	NW_004515775.1	Scaffold242	195978	AA	TT	1940439996
SNP_P1_176612_197402	NW_004515775.1	Scaffold242	197402	GG	AA	1940439997
SNP_P1_176613_211548	NW_004515775.1	Scaffold242	211548	AA	GG	1940439998
SNP_P1_176614_213089	NW_004515775.1	Scaffold242	213089	TT	AA	1940439999
SNP_P1_176615_213469	NW_004515775.1	Scaffold242	213469	CC	AA	1940440000
SNP_P1_176617_215355	NW_004515775.1	Scaffold242	215355	CC	TT	1940440001
SNP_P1_176618_215410	NW_004515775.1	Scaffold242	215410	TT	CC	1940440002
SNP_P1_176620_216156	NW_004515775.1	Scaffold242	216156	CC	TT	1940440003
SNP_P1_176621_219989	NW_004515775.1	Scaffold242	219989	GG	AA	1940440004
SNP_P1_176622_222500	NW_004515775.1	Scaffold242	222500	CC	AA	1940440005
SNP_P1_176624_226310	NW_004515775.1	Scaffold242	226310	AA	GG	1940440006
SNP_P1_176625_229946	NW_004515775.1	Scaffold242	229946	CC	AA	1940440007
SNP_P1_176626_233657	NW_004515775.1	Scaffold242	233657	GG	AA	1940440008
SNP_P1_176627_233658	NW_004515775.1	Scaffold242	233658	TT	CC	1940440009
SNP_P1_176628_236611	NW_004515775.1	Scaffold242	236611	TT	CC	1940440010
SNP_P1_176629_236701	NW_004515775.1	Scaffold242	236701	TT	AA	1940440011
SNP_P1_176631_245243	NW_004515775.1	Scaffold242	245243	CC	AA	1940440012
SNP_P1_176632_247886	NW_004515775.1	Scaffold242	247886	CC	TT	1940440013
SNP_P1_176633_254050	NW_004515775.1	Scaffold242	254050	TT	CC	1940440014
SNP_P1_176634_254885	NW_004515775.1	Scaffold242	254885	TT	CC	1940440015
SNP_P1_176635_255754	NW_004515775.1	Scaffold242	255754	CC	AA	1940440016
SNP_P1_176636_255757	NW_004515775.1	Scaffold242	255757	CC	TT	1940440017

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176640_264878	NW_004515775.1	Scaffold242	264878	TT	AA	1940440019
SNP_P1_176641_265475	NW_004515775.1	Scaffold242	265475	CC	AA	1940440020
SNP_P1_176642_266563	NW_004515775.1	Scaffold242	266563	CC	TT	1940440021
SNP_P1_176643_268375	NW_004515775.1	Scaffold242	268375	TT	CC	1940440022
SNP_P1_176645_269532	NW_004515775.1	Scaffold242	269532	CC	AA	1940440023
SNP_P1_176646_270709	NW_004515775.1	Scaffold242	270709	CC	AA	1940440024
SNP_P1_176649_288374	NW_004515775.1	Scaffold242	288374	AA	GG	1940440025
SNP_P1_176650_288688	NW_004515775.1	Scaffold242	288688	AA	TT	1940440026
SNP_P1_176651_290133	NW_004515775.1	Scaffold242	290133	TT	AA	1940440027
SNP_P1_176652_291697	NW_004515775.1	Scaffold242	291697	GG	AA	1940440028
SNP_P1_176653_293690	NW_004515775.1	Scaffold242	293690	TT	AA	1940440029
SNP_P1_176654_296070	NW_004515775.1	Scaffold242	296070	AA	CC	1940440030
SNP_P1_176655_299260	NW_004515775.1	Scaffold242	299260	TT	CC	1940440031
SNP_P1_176656_301417	NW_004515775.1	Scaffold242	301417	GG	TT	1940440032
SNP_P1_176659_304627	NW_004515775.1	Scaffold242	304627	CC	TT	1940440033
SNP_P1_176660_305697	NW_004515775.1	Scaffold242	305697	CC	TT	1940440034
SNP_P1_176662_308888	NW_004515775.1	Scaffold242	308888	TT	AA	1940440035
SNP_P1_176663_309235	NW_004515775.1	Scaffold242	309235	AA	GG	1940440036
SNP_P1_176664_309246	NW_004515775.1	Scaffold242	309246	GG	AA	1940440037
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SNP_P1_176667_309532	NW_004515775.1	Scaffold242	309532	TT	CC	1940440040
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SNP_P1_176670_310372	NW_004515775.1	Scaffold242	310372	CC	GG	1940440043
SNP_P1_176671_310522	NW_004515775.1	Scaffold242	310522	GG	TT	1940440044
SNP_P1_176672_310593	NW_004515775.1	Scaffold242	310593	AA	GG	1940440045
SNP_P1_176673_311327	NW_004515775.1	Scaffold242	311327	GG	TT	1940440046
SNP_P1_176674_311328	NW_004515775.1	Scaffold242	311328	GG	TT	1940440047
SNP_P1_176675_311612	NW_004515775.1	Scaffold242	311612	AA	CC	1940440048
SNP_P1_176676_311756	NW_004515775.1	Scaffold242	311756	AA	CC	1940440049
SNP_P1_176677_313260	NW_004515775.1	Scaffold242	313260	CC	GG	1940440050
SNP_P1_176678_313347	NW_004515775.1	Scaffold242	313347	TT	CC	1940440051
SNP_P1_176679_314727	NW_004515775.1	Scaffold242	314727	CC	AA	1940440052
SNP_P1_176680_316002	NW_004515775.1	Scaffold242	316002	CC	AA	1940440053
SNP_P1_176683_317174	NW_004515775.1	Scaffold242	317174	GG	AA	1940440054
SNP_P1_176684_324719	NW_004515775.1	Scaffold242	324719	GG	TT	1940440055
SNP_P1_176685_325461	NW_004515775.1	Scaffold242	325461	GG	CC	1940440056
SNP_P1_176687_333585	NW_004515775.1	Scaffold242	333585	GG	AA	1940440057
SNP_P1_176688_336670	NW_004515775.1	Scaffold242	336670	GG	AA	1940440058
SNP_P1_176689_336708	NW_004515775.1	Scaffold242	336708	CC	TT	1940440059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176692_338586	NW_004515775.1	Scaffold242	338586	TT	AA	1940440061
SNP_P1_176693_339309	NW_004515775.1	Scaffold242	339309	AA	GG	1940440062
SNP_P1_176694_339310	NW_004515775.1	Scaffold242	339310	AA	CC	1940440063
SNP_P1_176695_339311	NW_004515775.1	Scaffold242	339311	AA	CC	1940440064
SNP_P1_176696_342051	NW_004515775.1	Scaffold242	342051	GG	AA	1940440065
SNP_P1_176697_344323	NW_004515775.1	Scaffold242	344323	CC	GG	1940440066
SNP_P1_176698_344488	NW_004515775.1	Scaffold242	344488	GG	TT	1940440067
SNP_P1_176699_344529	NW_004515775.1	Scaffold242	344529	TT	GG	1940440068
SNP_P1_176700_344720	NW_004515775.1	Scaffold242	344720	TT	AA	1940440069
SNP_P1_176701_345796	NW_004515775.1	Scaffold242	345796	AA	TT	1940440070
SNP_P1_176702_354694	NW_004515775.1	Scaffold242	354694	AA	TT	1940440072
SNP_P1_176703_354716	NW_004515775.1	Scaffold242	354716	TT	CC	1940440073
SNP_P1_176704_355102	NW_004515775.1	Scaffold242	355102	GG	AA	1940440074
SNP_P1_176705_356991	NW_004515775.1	Scaffold242	356991	CC	AA	1940440075
SNP_P1_176706_356992	NW_004515775.1	Scaffold242	356992	CC	AA	1940440076
SNP_P1_176707_357270	NW_004515775.1	Scaffold242	357270	AA	CC	1940440077
SNP_P1_176708_357284	NW_004515775.1	Scaffold242	357284	TT	GG	1940440078
SNP_P1_176709_359774	NW_004515775.1	Scaffold242	359774	CC	TT	1940440079
SNP_P1_176710_363285	NW_004515775.1	Scaffold242	363285	AA	CC	1940440080
SNP_P1_176711_364060	NW_004515775.1	Scaffold242	364060	GG	AA	1940440081
SNP_P1_176712_366735	NW_004515775.1	Scaffold242	366735	AA	GG	1940440082
SNP_P1_176714_373416	NW_004515775.1	Scaffold242	373416	TT	AA	1940440083
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SNP_P1_176716_376435	NW_004515775.1	Scaffold242	376435	CC	TT	1940440085
SNP_P1_176717_377088	NW_004515775.1	Scaffold242	377088	TT	CC	1940440086
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SNP_P1_176719_379507	NW_004515775.1	Scaffold242	379507	GG	AA	1940440088
SNP_P1_176720_382343	NW_004515775.1	Scaffold242	382343	TT	CC	1940440089
SNP_P1_176721_391037	NW_004515775.1	Scaffold242	391037	GG	AA	1940440090
SNP_P1_176722_392652	NW_004515775.1	Scaffold242	392652	TT	CC	1940440091
SNP_P1_176723_393667	NW_004515775.1	Scaffold242	393667	AA	GG	1940440092
SNP_P1_176724_393670	NW_004515775.1	Scaffold242	393670	TT	GG	1940440093
SNP_P1_176727_394436	NW_004515775.1	Scaffold242	394436	GG	TT	1940440094
SNP_P1_176728_394716	NW_004515775.1	Scaffold242	394716	AA	GG	1940440095
SNP_P1_176730_398964	NW_004515775.1	Scaffold242	398964	TT	GG	1940440096
SNP_P1_176731_399247	NW_004515775.1	Scaffold242	399247	CC	GG	1940440097
SNP_P1_176732_402687	NW_004515775.1	Scaffold242	402687	GG	AA	1940440098
SNP_P1_176733_402704	NW_004515775.1	Scaffold242	402704	CC	TT	1940440099
SNP_P1_176734_403098	NW_004515775.1	Scaffold242	403098	AA	GG	1940440100
SNP_P1_176735_403628	NW_004515775.1	Scaffold242	403628	TT	CC	1940440101
SNP_P1_176736_404668	NW_004515775.1	Scaffold242	404668	TT	CC	1940440102

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_176737_404841	NW_004515775.1	Scaffold242	404841	CC	TT	1940440103
SNP_P1_176738_405523	NW_004515775.1	Scaffold242	405523	CC	GG	1940440104
SNP_P1_176739_405629	NW_004515775.1	Scaffold242	405629	GG	AA	1940440105
SNP_P1_176741_405725	NW_004515775.1	Scaffold242	405725	AA	GG	1940440106
SNP_P1_176742_405929	NW_004515775.1	Scaffold242	405929	CC	TT	1940440107
SNP_P1_176743_405939	NW_004515775.1	Scaffold242	405939	CC	TT	1940440108
SNP_P1_176744_411523	NW_004515775.1	Scaffold242	411523	AA	GG	1940440109
SNP_P1_176745_411892	NW_004515775.1	Scaffold242	411892	AA	TT	1940440110
SNP_P1_176746_412167	NW_004515775.1	Scaffold242	412167	TT	CC	1940440111
SNP_P1_176747_413659	NW_004515775.1	Scaffold242	413659	CC	TT	1940440112
SNP_P1_176749_416595	NW_004515775.1	Scaffold242	416595	AA	GG	1940440113
SNP_P1_176750_418292	NW_004515775.1	Scaffold242	418292	AA	GG	1940440114
SNP_P1_176751_418611	NW_004515775.1	Scaffold242	418611	CC	AA	1940440115
SNP_P1_176752_421997	NW_004515775.1	Scaffold242	421997	AA	CC	1940440116
SNP_P1_176753_423019	NW_004515775.1	Scaffold242	423019	TT	CC	1940440117
SNP_P1_176754_423708	NW_004515775.1	Scaffold242	423708	CC	TT	1940440118
SNP_P1_176755_423715	NW_004515775.1	Scaffold242	423715	TT	CC	1940440119
SNP_P1_176756_424788	NW_004515775.1	Scaffold242	424788	AA	GG	1940440120
SNP_P1_176757_424799	NW_004515775.1	Scaffold242	424799	TT	CC	1940440121
SNP_P1_176758_426215	NW_004515775.1	Scaffold242	426215	AA	GG	1940440122
SNP_P1_176759_426219	NW_004515775.1	Scaffold242	426219	TT	AA	1940440123
SNP_P1_176760_428779	NW_004515775.1	Scaffold242	428779	AA	CC	1940440124
SNP_P1_176761_428802	NW_004515775.1	Scaffold242	428802	CC	TT	1940440125
SNP_P1_176762_429198	NW_004515775.1	Scaffold242	429198	AA	TT	1940440126
SNP_P1_176763_429851	NW_004515775.1	Scaffold242	429851	CC	AA	1940440127
SNP_P1_176764_430030	NW_004515775.1	Scaffold242	430030	GG	AA	1940440128
SNP_P1_176765_430044	NW_004515775.1	Scaffold242	430044	CC	AA	1940440129
SNP_P1_176766_430082	NW_004515775.1	Scaffold242	430082	AA	GG	1940440130
SNP_P1_176767_430394	NW_004515775.1	Scaffold242	430394	GG	TT	1940440131
SNP_P1_176768_430459	NW_004515775.1	Scaffold242	430459	GG	TT	1940440132
SNP_P1_176769_430717	NW_004515775.1	Scaffold242	430717	CC	GG	1940440133
SNP_P1_176771_440388	NW_004515775.1	Scaffold242	440388	TT	CC	1940440134
SNP_P1_176772_440782	NW_004515775.1	Scaffold242	440782	TT	AA	1940440135
SNP_P1_176773_441054	NW_004515775.1	Scaffold242	441054	TT	CC	1940440136
SNP_P1_176774_441060	NW_004515775.1	Scaffold242	441060	AA	TT	1940440137
SNP_P1_176775_446810	NW_004515775.1	Scaffold242	446810	GG	TT	1940440138
SNP_P1_176776_448734	NW_004515775.1	Scaffold242	448734	AA	GG	1940440139
SNP_P1_176777_449828	NW_004515775.1	Scaffold242	449828	CC	GG	1940440140
SNP_P1_176778_450172	NW_004515775.1	Scaffold242	450172	GG	AA	1940440141
SNP_P1_176779_450173	NW_004515775.1	Scaffold242	450173	CC	GG	1940440142
SNP_P1_176780_450810	NW_004515775.1	Scaffold242	450810	GG	AA	1940440143
SNP_P1_176781_453095	NW_004515775.1	Scaffold242	453095	TT	CC	1940440144

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176785_455617	NW_004515775.1	Scaffold242	455617	GG	AA	1940440146
SNP_P1_176786_457942	NW_004515775.1	Scaffold242	457942	CC	TT	1940440147
SNP_P1_176788_459320	NW_004515775.1	Scaffold242	459320	GG	AA	1940440148
SNP_P1_176790_461510	NW_004515775.1	Scaffold242	461510	CC	TT	1940440149
SNP_P1_176792_462444	NW_004515775.1	Scaffold242	462444	GG	AA	1940440150
SNP_P1_176793_462445	NW_004515775.1	Scaffold242	462445	GG	TT	1940440151
SNP_P1_176794_462447	NW_004515775.1	Scaffold242	462447	GG	AA	1940440152
SNP_P1_176795_462495	NW_004515775.1	Scaffold242	462495	GG	AA	1940440153
SNP_P1_176796_462512	NW_004515775.1	Scaffold242	462512	GG	AA	1940440154
SNP_P1_176797_462750	NW_004515775.1	Scaffold242	462750	AA	TT	1940440155
SNP_P1_176798_464891	NW_004515775.1	Scaffold242	464891	GG	AA	1940440156
SNP_P1_176799_465259	NW_004515775.1	Scaffold242	465259	AA	CC	1940440157
SNP_P1_176800_465277	NW_004515775.1	Scaffold242	465277	TT	CC	1940440158
SNP_P1_176801_467986	NW_004515775.1	Scaffold242	467986	GG	AA	1940440159
SNP_P1_176802_468078	NW_004515775.1	Scaffold242	468078	TT	GG	1940440160
SNP_P1_176803_468085	NW_004515775.1	Scaffold242	468085	AA	GG	1940440161
SNP_P1_176804_468720	NW_004515775.1	Scaffold242	468720	AA	TT	1940440162
SNP_P1_176805_470387	NW_004515775.1	Scaffold242	470387	CC	AA	1940440163
SNP_P1_176806_484596	NW_004515775.1	Scaffold242	484596	CC	TT	1940440164
SNP_P1_176807_485426	NW_004515775.1	Scaffold242	485426	GG	AA	1940440165
SNP_P1_176808_487001	NW_004515775.1	Scaffold242	487001	AA	TT	1940440166
SNP_P1_176809_488184	NW_004515775.1	Scaffold242	488184	GG	AA	1940440167
SNP_P1_176810_488464	NW_004515775.1	Scaffold242	488464	TT	GG	1940440168
SNP_P1_176811_488521	NW_004515775.1	Scaffold242	488521	CC	AA	1940440169
SNP_P1_176812_492449	NW_004515775.1	Scaffold242	492449	TT	GG	1940440170
SNP_P1_176813_493270	NW_004515775.1	Scaffold242	493270	AA	GG	1940440171
SNP_P1_176814_493279	NW_004515775.1	Scaffold242	493279	AA	TT	1940440172
SNP_P1_176815_493986	NW_004515775.1	Scaffold242	493986	CC	TT	1940440173
SNP_P1_176818_495802	NW_004515775.1	Scaffold242	495802	CC	TT	1940440174
SNP_P1_176819_495803	NW_004515775.1	Scaffold242	495803	AA	TT	1940440175
SNP_P1_176820_496177	NW_004515775.1	Scaffold242	496177	CC	TT	1940440176
SNP_P1_176822_503055	NW_004515775.1	Scaffold242	503055	GG	AA	1940440177
SNP_P1_176823_503194	NW_004515775.1	Scaffold242	503194	AA	GG	1940440178
SNP_P1_176824_505008	NW_004515775.1	Scaffold242	505008	CC	TT	1940440179
SNP_P1_176825_505250	NW_004515775.1	Scaffold242	505250	TT	AA	1940440180
SNP_P1_176826_506085	NW_004515775.1	Scaffold242	506085	CC	TT	1940440181
SNP_P1_176827_506124	NW_004515775.1	Scaffold242	506124	TT	CC	1940440182
SNP_P1_176828_506286	NW_004515775.1	Scaffold242	506286	AA	GG	1940440183
SNP_P1_176829_506292	NW_004515775.1	Scaffold242	506292	AA	GG	1940440184
SNP_P1_176830_506296	NW_004515775.1	Scaffold242	506296	AA	CC	1940440185
SNP_P1_176834_508997	NW_004515775.1	Scaffold242	508997	TT	CC	1940440186

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176838_509441	NW_004515775.1	Scaffold242	509441	GG	AA	1940440188
SNP_P1_176839_509530	NW_004515775.1	Scaffold242	509530	AA	TT	1940440189
SNP_P1_176840_509978	NW_004515775.1	Scaffold242	509978	AA	TT	1940440190
SNP_P1_176841_509992	NW_004515775.1	Scaffold242	509992	GG	AA	1940440191
SNP_P1_176842_510444	NW_004515775.1	Scaffold242	510444	TT	AA	1940440192
SNP_P1_176845_513311	NW_004515775.1	Scaffold242	513311	GG	AA	1940440193
SNP_P1_176846_513602	NW_004515775.1	Scaffold242	513602	GG	TT	1940440194
SNP_P1_176847_513635	NW_004515775.1	Scaffold242	513635	AA	GG	1940440195
SNP_P1_176848_513643	NW_004515775.1	Scaffold242	513643	TT	AA	1940440196
SNP_P1_176849_513647	NW_004515775.1	Scaffold242	513647	GG	AA	1940440197
SNP_P1_176850_514747	NW_004515775.1	Scaffold242	514747	TT	GG	1940440198
SNP_P1_176851_514996	NW_004515775.1	Scaffold242	514996	CC	AA	1940440199
SNP_P1_176852_515457	NW_004515775.1	Scaffold242	515457	TT	AA	1940440200
SNP_P1_176853_515487	NW_004515775.1	Scaffold242	515487	CC	GG	1940440201
SNP_P1_176854_518735	NW_004515775.1	Scaffold242	518735	TT	CC	1940440202
SNP_P1_176855_519115	NW_004515775.1	Scaffold242	519115	TT	GG	1940440203
SNP_P1_176856_519573	NW_004515775.1	Scaffold242	519573	GG	TT	1940440204
SNP_P1_176857_520904	NW_004515775.1	Scaffold242	520904	AA	CC	1940440205
SNP_P1_176858_521405	NW_004515775.1	Scaffold242	521405	GG	TT	1940440206
SNP_P1_176859_521650	NW_004515775.1	Scaffold242	521650	CC	TT	1940440207
SNP_P1_176860_522330	NW_004515775.1	Scaffold242	522330	GG	AA	1940440208
SNP_P1_176861_523419	NW_004515775.1	Scaffold242	523419	GG	AA	1940440209
SNP_P1_176862_523622	NW_004515775.1	Scaffold242	523622	GG	TT	1940440210
SNP_P1_176864_531787	NW_004515775.1	Scaffold242	531787	GG	AA	1940440211
SNP_P1_176865_531797	NW_004515775.1	Scaffold242	531797	GG	AA	1940440213
SNP_P1_176866_531802	NW_004515775.1	Scaffold242	531802	GG	TT	1940440214
SNP_P1_176867_531999	NW_004515775.1	Scaffold242	531999	AA	GG	1940440215
SNP_P1_176868_532443	NW_004515775.1	Scaffold242	532443	AA	GG	1940440216
SNP_P1_176869_534170	NW_004515775.1	Scaffold242	534170	AA	CC	1940440217
SNP_P1_176870_534540	NW_004515775.1	Scaffold242	534540	GG	AA	1940440218
SNP_P1_176871_534553	NW_004515775.1	Scaffold242	534553	TT	GG	1940440219
SNP_P1_176872_534555	NW_004515775.1	Scaffold242	534555	GG	AA	1940440220
SNP_P1_176873_534561	NW_004515775.1	Scaffold242	534561	AA	GG	1940440221
SNP_P1_176874_534983	NW_004515775.1	Scaffold242	534983	TT	CC	1940440222
SNP_P1_176875_535015	NW_004515775.1	Scaffold242	535015	AA	TT	1940440223
SNP_P1_176876_536822	NW_004515775.1	Scaffold242	536822	GG	AA	1940440224
SNP_P1_176877_536823	NW_004515775.1	Scaffold242	536823	GG	AA	1940440225
SNP_P1_176878_536902	NW_004515775.1	Scaffold242	536902	CC	AA	1940440226
SNP_P1_176879_536915	NW_004515775.1	Scaffold242	536915	GG	AA	1940440227
SNP_P1_176880_537049	NW_004515775.1	Scaffold242	537049	AA	TT	1940440228
SNP_P1_176881_537317	NW_004515775.1	Scaffold242	537317	AA	GG	1940440229

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176883_537337	NW_004515775.1	Scaffold242	537337	CC	TT	1940440231
SNP_P1_176884_537406	NW_004515775.1	Scaffold242	537406	CC	TT	1940440232
SNP_P1_176885_537408	NW_004515775.1	Scaffold242	537408	AA	GG	1940440233
SNP_P1_176887_537813	NW_004515775.1	Scaffold242	537813	AA	GG	1940440234
SNP_P1_176888_537850	NW_004515775.1	Scaffold242	537850	AA	GG	1940440235
SNP_P1_176889_537852	NW_004515775.1	Scaffold242	537852	GG	CC	1940440236
SNP_P1_176890_538074	NW_004515775.1	Scaffold242	538074	GG	AA	1940440237
SNP_P1_176891_539406	NW_004515775.1	Scaffold242	539406	AA	GG	1940440238
SNP_P1_176892_539645	NW_004515775.1	Scaffold242	539645	AA	CC	1940440239
SNP_P1_176893_539822	NW_004515775.1	Scaffold242	539822	AA	CC	1940440240
SNP_P1_176894_539828	NW_004515775.1	Scaffold242	539828	TT	CC	1940440241
SNP_P1_176895_539944	NW_004515775.1	Scaffold242	539944	GG	TT	1940440242
SNP_P1_176896_540099	NW_004515775.1	Scaffold242	540099	CC	TT	1940440243
SNP_P1_176897_540119	NW_004515775.1	Scaffold242	540119	AA	GG	1940440244
SNP_P1_176898_540683	NW_004515775.1	Scaffold242	540683	AA	TT	1940440245
SNP_P1_176899_545958	NW_004515775.1	Scaffold242	545958	GG	AA	1940440246
SNP_P1_176900_546056	NW_004515775.1	Scaffold242	546056	TT	AA	1940440247
SNP_P1_176901_546082	NW_004515775.1	Scaffold242	546082	AA	GG	1940440248
SNP_P1_176902_546088	NW_004515775.1	Scaffold242	546088	GG	CC	1940440249
SNP_P1_176903_549962	NW_004515775.1	Scaffold242	549962	TT	GG	1940440250
SNP_P1_176904_550344	NW_004515775.1	Scaffold242	550344	TT	CC	1940440251
SNP_P1_176905_553024	NW_004515775.1	Scaffold242	553024	GG	TT	1940440252
SNP_P1_176906_553355	NW_004515775.1	Scaffold242	553355	TT	GG	1940440253
SNP_P1_176907_553458	NW_004515775.1	Scaffold242	553458	GG	AA	1940440254
SNP_P1_176909_555173	NW_004515775.1	Scaffold242	555173	AA	TT	1940440255
SNP_P1_176910_561616	NW_004515775.1	Scaffold242	561616	TT	CC	1940440256
SNP_P1_176911_561620	NW_004515775.1	Scaffold242	561620	AA	GG	1940440257
SNP_P1_176912_561752	NW_004515775.1	Scaffold242	561752	GG	AA	1940440258
SNP_P1_176913_561995	NW_004515775.1	Scaffold242	561995	TT	CC	1940440259
SNP_P1_176914_561998	NW_004515775.1	Scaffold242	561998	CC	AA	1940440260
SNP_P1_176915_562110	NW_004515775.1	Scaffold242	562110	TT	CC	1940440261
SNP_P1_176916_569813	NW_004515775.1	Scaffold242	569813	TT	AA	1940440262
SNP_P1_176917_572632	NW_004515775.1	Scaffold242	572632	AA	GG	1940440263
SNP_P1_176919_574606	NW_004515775.1	Scaffold242	574606	AA	TT	1940440264
SNP_P1_176920_575077	NW_004515775.1	Scaffold242	575077	AA	GG	1940440265
SNP_P1_176921_575932	NW_004515775.1	Scaffold242	575932	AA	GG	1940440266
SNP_P1_176924_578605	NW_004515775.1	Scaffold242	578605	AA	GG	1940440267
SNP_P1_176925_580009	NW_004515775.1	Scaffold242	580009	GG	AA	1940440268
SNP_P1_176926_590744	NW_004515775.1	Scaffold242	590744	TT	CC	1940440269
SNP_P1_176927_591112	NW_004515775.1	Scaffold242	591112	GG	CC	1940440270
SNP_P1_176928_591723	NW_004515775.1	Scaffold242	591723	GG	AA	1940440271

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176933_596321	NW_004515775.1	Scaffold242	596321	AA	CC	1940440273
SNP_P1_176934_596502	NW_004515775.1	Scaffold242	596502	CC	TT	1940440274
SNP_P1_176935_598819	NW_004515775.1	Scaffold242	598819	TT	AA	1940440275
SNP_P1_176936_599851	NW_004515775.1	Scaffold242	599851	TT	CC	1940440276
SNP_P1_176938_600828	NW_004515775.1	Scaffold242	600828	CC	AA	1940440277
SNP_P1_176939_601809	NW_004515775.1	Scaffold242	601809	CC	TT	1940440278
SNP_P1_176940_603518	NW_004515775.1	Scaffold242	603518	AA	CC	1940440279
SNP_P1_176941_603540	NW_004515775.1	Scaffold242	603540	CC	TT	1940440280
SNP_P1_176942_604019	NW_004515775.1	Scaffold242	604019	TT	CC	1940440281
SNP_P1_176943_604497	NW_004515775.1	Scaffold242	604497	AA	TT	1940440282
SNP_P1_176944_606131	NW_004515775.1	Scaffold242	606131	GG	AA	1940440283
SNP_P1_176945_606313	NW_004515775.1	Scaffold242	606313	GG	AA	1940440284
SNP_P1_176946_606329	NW_004515775.1	Scaffold242	606329	GG	AA	1940440285
SNP_P1_176947_606374	NW_004515775.1	Scaffold242	606374	CC	TT	1940440286
SNP_P1_176948_606506	NW_004515775.1	Scaffold242	606506	CC	TT	1940440287
SNP_P1_176949_606508	NW_004515775.1	Scaffold242	606508	AA	GG	1940440288
SNP_P1_176950_606526	NW_004515775.1	Scaffold242	606526	CC	TT	1940440289
SNP_P1_176951_606527	NW_004515775.1	Scaffold242	606527	AA	CC	1940440290
SNP_P1_176952_607133	NW_004515775.1	Scaffold242	607133	CC	GG	1940440291
SNP_P1_176953_607768	NW_004515775.1	Scaffold242	607768	GG	AA	1940440292
SNP_P1_176954_607828	NW_004515775.1	Scaffold242	607828	GG	TT	1940440293
SNP_P1_176955_608228	NW_004515775.1	Scaffold242	608228	AA	GG	1940440294
SNP_P1_176956_610622	NW_004515775.1	Scaffold242	610622	AA	CC	1940440295
SNP_P1_176957_610862	NW_004515775.1	Scaffold242	610862	CC	TT	1940440296
SNP_P1_176958_612678	NW_004515775.1	Scaffold242	612678	AA	TT	1940440297
SNP_P1_176959_612707	NW_004515775.1	Scaffold242	612707	GG	AA	1940440298
SNP_P1_176960_613290	NW_004515775.1	Scaffold242	613290	GG	AA	1940440299
SNP_P1_176961_613298	NW_004515775.1	Scaffold242	613298	CC	TT	1940440300
SNP_P1_176962_614799	NW_004515775.1	Scaffold242	614799	TT	CC	1940440301
SNP_P1_176963_614989	NW_004515775.1	Scaffold242	614989	TT	CC	1940440302
SNP_P1_176964_615259	NW_004515775.1	Scaffold242	615259	CC	TT	1940440303
SNP_P1_176965_616670	NW_004515775.1	Scaffold242	616670	TT	AA	1940440304
SNP_P1_176966_618159	NW_004515775.1	Scaffold242	618159	AA	GG	1940440305
SNP_P1_176967_618174	NW_004515775.1	Scaffold242	618174	AA	GG	1940440306
SNP_P1_176968_618328	NW_004515775.1	Scaffold242	618328	CC	TT	1940440307
SNP_P1_176969_618543	NW_004515775.1	Scaffold242	618543	CC	AA	1940440308
SNP_P1_176970_618584	NW_004515775.1	Scaffold242	618584	AA	GG	1940440309
SNP_P1_176971_618617	NW_004515775.1	Scaffold242	618617	AA	GG	1940440310
SNP_P1_176972_618646	NW_004515775.1	Scaffold242	618646	TT	CC	1940440311
SNP_P1_176973_624581	NW_004515775.1	Scaffold242	624581	AA	GG	1940440312
SNP_P1_176974_624631	NW_004515775.1	Scaffold242	624631	AA	GG	1940440313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_176976_624707	NW_004515775.1	Scaffold242	624707	AA	GG	1940440315
SNP_P1_176977_624880	NW_004515775.1	Scaffold242	624880	CC	TT	1940440316
SNP_P1_176978_624901	NW_004515775.1	Scaffold242	624901	CC	AA	1940440317
SNP_P1_176979_624983	NW_004515775.1	Scaffold242	624983	TT	CC	1940440318
SNP_P1_176980_625021	NW_004515775.1	Scaffold242	625021	TT	CC	1940440319
SNP_P1_176981_625042	NW_004515775.1	Scaffold242	625042	AA	GG	1940440320
SNP_P1_176983_625293	NW_004515775.1	Scaffold242	625293	CC	TT	1940440321
SNP_P1_176984_625493	NW_004515775.1	Scaffold242	625493	CC	TT	1940440322
SNP_P1_176985_625503	NW_004515775.1	Scaffold242	625503	AA	GG	1940440323
SNP_P1_176986_626613	NW_004515775.1	Scaffold242	626613	TT	CC	1940440324
SNP_P1_176987_626614	NW_004515775.1	Scaffold242	626614	CC	TT	1940440325
SNP_P1_176988_629671	NW_004515775.1	Scaffold242	629671	AA	GG	1940440326
SNP_P1_176989_629676	NW_004515775.1	Scaffold242	629676	CC	TT	1940440327
SNP_P1_176990_633742	NW_004515775.1	Scaffold242	633742	TT	AA	1940440328
SNP_P1_176991_633768	NW_004515775.1	Scaffold242	633768	CC	TT	1940440329
SNP_P1_176992_634365	NW_004515775.1	Scaffold242	634365	TT	CC	1940440330
SNP_P1_176993_635766	NW_004515775.1	Scaffold242	635766	TT	AA	1940440331
SNP_P1_176994_637068	NW_004515775.1	Scaffold242	637068	CC	TT	1940440332
SNP_P1_176995_638769	NW_004515775.1	Scaffold242	638769	AA	TT	1940440333
SNP_P1_176996_638887	NW_004515775.1	Scaffold242	638887	CC	TT	1940440335
SNP_P1_176997_642555	NW_004515775.1	Scaffold242	642555	CC	AA	1940440336
SNP_P1_176999_644199	NW_004515775.1	Scaffold242	644199	AA	GG	1940440337
SNP_P1_177001_645855	NW_004515775.1	Scaffold242	645855	AA	TT	1940440338
SNP_P1_177002_647158	NW_004515775.1	Scaffold242	647158	TT	GG	1940440339
SNP_P1_177003_647183	NW_004515775.1	Scaffold242	647183	CC	TT	1940440340
SNP_P1_177005_653461	NW_004515775.1	Scaffold242	653461	CC	TT	1940440341
SNP_P1_177006_653639	NW_004515775.1	Scaffold242	653639	GG	AA	1940440342
SNP_P1_177007_654369	NW_004515775.1	Scaffold242	654369	GG	AA	1940440343
SNP_P1_177008_667702	NW_004515775.1	Scaffold242	667702	AA	TT	1940440344
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SNP_P1_177010_670053	NW_004515775.1	Scaffold242	670053	GG	AA	1940440346
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SNP_P1_177012_670617	NW_004515775.1	Scaffold242	670617	GG	AA	1940440348
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SNP_P1_177014_670946	NW_004515775.1	Scaffold242	670946	AA	GG	1940440350
SNP_P1_177015_670960	NW_004515775.1	Scaffold242	670960	AA	GG	1940440351
SNP_P1_177016_672872	NW_004515775.1	Scaffold242	672872	AA	GG	1940440352
SNP_P1_177017_673137	NW_004515775.1	Scaffold242	673137	GG	CC	1940440353
SNP_P1_177018_675594	NW_004515775.1	Scaffold242	675594	CC	TT	1940440354
SNP_P1_177019_679051	NW_004515775.1	Scaffold242	679051	CC	TT	1940440355
SNP_P1_177021_682557	NW_004515775.1	Scaffold242	682557	TT	AA	1940440356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177024_685552	NW_004515775.1	Scaffold242	685552	CC	TT	1940440358
SNP_P1_177025_687232	NW_004515775.1	Scaffold242	687232	GG	AA	1940440359
SNP_P1_177026_687836	NW_004515775.1	Scaffold242	687836	TT	AA	1940440360
SNP_P1_177027_688249	NW_004515775.1	Scaffold242	688249	GG	AA	1940440361
SNP_P1_177029_689187	NW_004515775.1	Scaffold242	689187	CC	TT	1940440362
SNP_P1_177030_689524	NW_004515775.1	Scaffold242	689524	TT	CC	1940440363
SNP_P1_177033_697961	NW_004515775.1	Scaffold242	697961	AA	GG	1940440364
SNP_P1_177034_697967	NW_004515775.1	Scaffold242	697967	CC	TT	1940440365
SNP_P1_177035_698114	NW_004515775.1	Scaffold242	698114	AA	GG	1940440366
SNP_P1_177036_699163	NW_004515775.1	Scaffold242	699163	GG	AA	1940440367
SNP_P1_177037_699950	NW_004515775.1	Scaffold242	699950	AA	GG	1940440368
SNP_P1_177038_701350	NW_004515775.1	Scaffold242	701350	CC	TT	1940440369
SNP_P1_177039_701547	NW_004515775.1	Scaffold242	701547	CC	TT	1940440370
SNP_P1_177040_701668	NW_004515775.1	Scaffold242	701668	CC	TT	1940440371
SNP_P1_177041_701698	NW_004515775.1	Scaffold242	701698	AA	TT	1940440372
SNP_P1_177042_704922	NW_004515775.1	Scaffold242	704922	CC	TT	1940440373
SNP_P1_177043_704935	NW_004515775.1	Scaffold242	704935	GG	AA	1940440374
SNP_P1_177044_705117	NW_004515775.1	Scaffold242	705117	TT	CC	1940440375
SNP_P1_177045_710167	NW_004515775.1	Scaffold242	710167	CC	AA	1940440376
SNP_P1_177047_710783	NW_004515775.1	Scaffold242	710783	AA	GG	1940440377
SNP_P1_177049_712002	NW_004515775.1	Scaffold242	712002	GG	AA	1940440378
SNP_P1_177050_718091	NW_004515775.1	Scaffold242	718091	AA	GG	1940440379
SNP_P1_177051_718837	NW_004515775.1	Scaffold242	718837	AA	GG	1940440380
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SNP_P1_177055_722129	NW_004515775.1	Scaffold242	722129	AA	TT	1940440382
SNP_P1_177056_722328	NW_004515775.1	Scaffold242	722328	GG	CC	1940440383
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SNP_P1_177058_725834	NW_004515775.1	Scaffold242	725834	GG	AA	1940440385
SNP_P1_177059_726382	NW_004515775.1	Scaffold242	726382	GG	AA	1940440386
SNP_P1_177060_727133	NW_004515775.1	Scaffold242	727133	GG	TT	1940440387
SNP_P1_177061_729978	NW_004515775.1	Scaffold242	729978	TT	CC	1940440388
SNP_P1_177062_730332	NW_004515775.1	Scaffold242	730332	TT	GG	1940440389
SNP_P1_177063_730739	NW_004515775.1	Scaffold242	730739	TT	CC	1940440390
SNP_P1_177064_730802	NW_004515775.1	Scaffold242	730802	AA	GG	1940440391
SNP_P1_177065_732712	NW_004515775.1	Scaffold242	732712	AA	GG	1940440392
SNP_P1_177066_734406	NW_004515775.1	Scaffold242	734406	GG	AA	1940440393
SNP_P1_177067_734510	NW_004515775.1	Scaffold242	734510	AA	GG	1940440394
SNP_P1_177068_734662	NW_004515775.1	Scaffold242	734662	TT	CC	1940440395
SNP_P1_177069_735409	NW_004515775.1	Scaffold242	735409	AA	TT	1940440396
SNP_P1_177070_735417	NW_004515775.1	Scaffold242	735417	CC	TT	1940440397
SNP_P1_177073_735569	NW_004515775.1	Scaffold242	735569	TT	GG	1940440398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177075_735804	NW_004515775.1	Scaffold242	735804	TT	CC	1940440400
SNP_P1_177076_735830	NW_004515775.1	Scaffold242	735830	TT	AA	1940440401
SNP_P1_177077_735833	NW_004515775.1	Scaffold242	735833	TT	CC	1940440402
SNP_P1_177078_736376	NW_004515775.1	Scaffold242	736376	TT	AA	1940440403
SNP_P1_177079_736380	NW_004515775.1	Scaffold242	736380	TT	CC	1940440404
SNP_P1_177080_736384	NW_004515775.1	Scaffold242	736384	CC	AA	1940440405
SNP_P1_177081_736387	NW_004515775.1	Scaffold242	736387	AA	CC	1940440406
SNP_P1_177082_736402	NW_004515775.1	Scaffold242	736402	CC	TT	1940440407
SNP_P1_177083_736406	NW_004515775.1	Scaffold242	736406	GG	AA	1940440408
SNP_P1_177084_736409	NW_004515775.1	Scaffold242	736409	AA	GG	1940440409
SNP_P1_177085_736411	NW_004515775.1	Scaffold242	736411	TT	GG	1940440410
SNP_P1_177086_736416	NW_004515775.1	Scaffold242	736416	AA	TT	1940440411
SNP_P1_177087_736439	NW_004515775.1	Scaffold242	736439	AA	GG	1940440412
SNP_P1_177088_737473	NW_004515775.1	Scaffold242	737473	GG	AA	1940440413
SNP_P1_177089_739322	NW_004515775.1	Scaffold242	739322	AA	GG	1940440414
SNP_P1_177090_739672	NW_004515775.1	Scaffold242	739672	GG	AA	1940440415
SNP_P1_177092_740600	NW_004515775.1	Scaffold242	740600	TT	GG	1940440416
SNP_P1_177093_740684	NW_004515775.1	Scaffold242	740684	CC	TT	1940440417
SNP_P1_177094_740731	NW_004515775.1	Scaffold242	740731	AA	GG	1940440418
SNP_P1_177095_740760	NW_004515775.1	Scaffold242	740760	AA	TT	1940440419
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SNP_P1_177099_764574	NW_004515775.1	Scaffold242	764574	AA	GG	1940440423
SNP_P1_177100_764797	NW_004515775.1	Scaffold242	764797	AA	TT	1940440424
SNP_P1_177101_764807	NW_004515775.1	Scaffold242	764807	CC	TT	1940440425
SNP_P1_177102_765724	NW_004515775.1	Scaffold242	765724	AA	GG	1940440426
SNP_P1_177103_765927	NW_004515775.1	Scaffold242	765927	AA	GG	1940440427
SNP_P1_177104_769990	NW_004515775.1	Scaffold242	769990	AA	CC	1940440428
SNP_P1_177107_771654	NW_004515775.1	Scaffold242	771654	CC	TT	1940440429
SNP_P1_177108_771814	NW_004515775.1	Scaffold242	771814	GG	CC	1940440430
SNP_P1_177109_771920	NW_004515775.1	Scaffold242	771920	CC	TT	1940440431
SNP_P1_177110_772190	NW_004515775.1	Scaffold242	772190	GG	CC	1940440432
SNP_P1_177111_772279	NW_004515775.1	Scaffold242	772279	GG	AA	1940440433
SNP_P1_177112_772350	NW_004515775.1	Scaffold242	772350	CC	AA	1940440434
SNP_P1_177113_774009	NW_004515775.1	Scaffold242	774009	AA	CC	1940440435
SNP_P1_177114_775747	NW_004515775.1	Scaffold242	775747	AA	CC	1940440436
SNP_P1_177115_785100	NW_004515775.1	Scaffold242	785100	TT	GG	1940440437
SNP_P1_177116_785454	NW_004515775.1	Scaffold242	785454	CC	TT	1940440438
SNP_P1_177117_786683	NW_004515775.1	Scaffold242	786683	TT	CC	1940440439
SNP_P1_177118_786749	NW_004515775.1	Scaffold242	786749	CC	AA	1940440440

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177120_786997	NW_004515775.1	Scaffold242	786997	GG	TT	1940440442
SNP_P1_177121_787012	NW_004515775.1	Scaffold242	787012	CC	TT	1940440443
SNP_P1_177122_787026	NW_004515775.1	Scaffold242	787026	GG	CC	1940440444
SNP_P1_177123_787339	NW_004515775.1	Scaffold242	787339	TT	CC	1940440445
SNP_P1_177124_787576	NW_004515775.1	Scaffold242	787576	GG	AA	1940440446
SNP_P1_177125_787646	NW_004515775.1	Scaffold242	787646	TT	AA	1940440447
SNP_P1_177126_787703	NW_004515775.1	Scaffold242	787703	GG	AA	1940440448
SNP_P1_177127_789300	NW_004515775.1	Scaffold242	789300	TT	AA	1940440449
SNP_P1_177128_789330	NW_004515775.1	Scaffold242	789330	AA	TT	1940440450
SNP_P1_177129_789635	NW_004515775.1	Scaffold242	789635	AA	GG	1940440451
SNP_P1_177130_792473	NW_004515775.1	Scaffold242	792473	CC	AA	1940440452
SNP_P1_177131_792864	NW_004515775.1	Scaffold242	792864	GG	TT	1940440453
SNP_P1_177132_793145	NW_004515775.1	Scaffold242	793145	TT	CC	1940440454
SNP_P1_177133_796277	NW_004515775.1	Scaffold242	796277	GG	AA	1940440455
SNP_P1_177134_800833	NW_004515775.1	Scaffold242	800833	GG	TT	1940440456
SNP_P1_177135_801166	NW_004515775.1	Scaffold242	801166	AA	TT	1940440457
SNP_P1_177136_801453	NW_004515775.1	Scaffold242	801453	CC	TT	1940440458
SNP_P1_177137_801521	NW_004515775.1	Scaffold242	801521	CC	AA	1940440459
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SNP_P1_177151_803008	NW_004515775.1	Scaffold242	803008	GG	AA	1940440472
SNP_P1_177152_803019	NW_004515775.1	Scaffold242	803019	GG	AA	1940440473
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SNP_P1_177154_803622	NW_004515775.1	Scaffold242	803622	TT	CC	1940440475
SNP_P1_177157_804360	NW_004515775.1	Scaffold242	804360	GG	AA	1940440476
SNP_P1_177158_804366	NW_004515775.1	Scaffold242	804366	GG	CC	1940440477
SNP_P1_177159_804668	NW_004515775.1	Scaffold242	804668	TT	CC	1940440478
SNP_P1_177160_804939	NW_004515775.1	Scaffold242	804939	CC	AA	1940440479
SNP_P1_177161_804968	NW_004515775.1	Scaffold242	804968	AA	GG	1940440480
SNP_P1_177162_804978	NW_004515775.1	Scaffold242	804978	TT	AA	1940440481
SNP_P1_177163_805333	NW_004515775.1	Scaffold242	805333	GG	TT	1940440482

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177165_809881	NW_004515775.1	Scaffold242	809881	CC	TT	1940440484
SNP_P1_177166_810235	NW_004515775.1	Scaffold242	810235	CC	TT	1940440485
SNP_P1_177167_810737	NW_004515775.1	Scaffold242	810737	CC	TT	1940440486
SNP_P1_177168_811024	NW_004515775.1	Scaffold242	811024	CC	AA	1940440487
SNP_P1_177169_811165	NW_004515775.1	Scaffold242	811165	CC	AA	1940440488
SNP_P1_177170_811639	NW_004515775.1	Scaffold242	811639	TT	CC	1940440490
SNP_P1_177171_811703	NW_004515775.1	Scaffold242	811703	AA	CC	1940440491
SNP_P1_177172_811831	NW_004515775.1	Scaffold242	811831	CC	AA	1940440492
SNP_P1_177173_812081	NW_004515775.1	Scaffold242	812081	GG	CC	1940440493
SNP_P1_177174_812419	NW_004515775.1	Scaffold242	812419	AA	GG	1940440494
SNP_P1_177175_813607	NW_004515775.1	Scaffold242	813607	GG	AA	1940440495
SNP_P1_177176_813672	NW_004515775.1	Scaffold242	813672	GG	TT	1940440496
SNP_P1_177177_813886	NW_004515775.1	Scaffold242	813886	CC	TT	1940440497
SNP_P1_177178_814154	NW_004515775.1	Scaffold242	814154	AA	GG	1940440498
SNP_P1_177179_815691	NW_004515775.1	Scaffold242	815691	TT	GG	1940440499
SNP_P1_177181_815978	NW_004515775.1	Scaffold242	815978	CC	TT	1940440500
SNP_P1_177182_816820	NW_004515775.1	Scaffold242	816820	CC	TT	1940440501
SNP_P1_177183_818475	NW_004515775.1	Scaffold242	818475	AA	TT	1940440502
SNP_P1_177184_819960	NW_004515775.1	Scaffold242	819960	GG	TT	1940440503
SNP_P1_177185_820576	NW_004515775.1	Scaffold242	820576	AA	TT	1940440504
SNP_P1_177186_820623	NW_004515775.1	Scaffold242	820623	GG	AA	1940440505
SNP_P1_177187_820672	NW_004515775.1	Scaffold242	820672	TT	CC	1940440506
SNP_P1_177188_820885	NW_004515775.1	Scaffold242	820885	GG	CC	1940440507
SNP_P1_177189_820907	NW_004515775.1	Scaffold242	820907	GG	TT	1940440508
SNP_P1_177190_820945	NW_004515775.1	Scaffold242	820945	AA	GG	1940440509
SNP_P1_177191_820949	NW_004515775.1	Scaffold242	820949	GG	AA	1940440510
SNP_P1_177192_821018	NW_004515775.1	Scaffold242	821018	AA	TT	1940440511
SNP_P1_177193_821049	NW_004515775.1	Scaffold242	821049	GG	AA	1940440512
SNP_P1_177194_407	NW_004515776.1	Scaffold243	407	AA	GG	1940440513
SNP_P1_177195_442	NW_004515776.1	Scaffold243	442	CC	AA	1940440514
SNP_P1_177196_599	NW_004515777.1	Scaffold244	599	TT	GG	1940440515
SNP_P1_177197_636	NW_004515777.1	Scaffold244	636	AA	TT	1940440516
SNP_P1_177198_681	NW_004515777.1	Scaffold244	681	CC	TT	1940440517
SNP_P1_177199_838	NW_004515777.1	Scaffold244	838	CC	TT	1940440518
SNP_P1_177200_14245	NW_004515777.1	Scaffold244	14245	TT	CC	1940440519
SNP_P1_177201_14736	NW_004515777.1	Scaffold244	14736	TT	CC	1940440520
SNP_P1_177202_163	NW_004515778.1	Scaffold246	163	AA	GG	1940440521
SNP_P1_177203_461	NW_004515778.1	Scaffold246	461	GG	TT	1940440522
SNP_P1_177204_619	NW_004515778.1	Scaffold246	619	TT	CC	1940440523
SNP_P1_177205_1255	NW_004515778.1	Scaffold246	1255	CC	GG	1940440524
SNP_P1_177206_1678	NW_004515778.1	Scaffold246	1678	AA	CC	1940440525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_177207_1702	NW_004515778.1	Scaffold246	1702	GG	AA	1940440526
SNP_P1_177208_1833	NW_004515778.1	Scaffold246	1833	CC	TT	1940440527
SNP_P1_177209_1852	NW_004515778.1	Scaffold246	1852	TT	AA	1940440528
SNP_P1_177210_1856	NW_004515778.1	Scaffold246	1856	TT	GG	1940440529
SNP_P1_177211_1900	NW_004515778.1	Scaffold246	1900	GG	TT	1940440530
SNP_P1_177212_1910	NW_004515778.1	Scaffold246	1910	CC	AA	1940440531
SNP_P1_177213_1915	NW_004515778.1	Scaffold246	1915	GG	AA	1940440532
SNP_P1_177214_2805	NW_004515778.1	Scaffold246	2805	CC	AA	1940440533
SNP_P1_177215_13269	NW_004515778.1	Scaffold246	13269	AA	GG	1940440534
SNP_P1_177216_14238	NW_004515778.1	Scaffold246	14238	AA	TT	1940440535
SNP_P1_177217_14239	NW_004515778.1	Scaffold246	14239	TT	CC	1940440536
SNP_P1_177218_19192	NW_004515778.1	Scaffold246	19192	GG	TT	1940440537
SNP_P1_177219_24239	NW_004515778.1	Scaffold246	24239	AA	TT	1940440538
SNP_P1_177220_27014	NW_004515778.1	Scaffold246	27014	TT	CC	1940440539
SNP_P1_177221_33283	NW_004515778.1	Scaffold246	33283	AA	GG	1940440540
SNP_P1_177222_35881	NW_004515778.1	Scaffold246	35881	CC	TT	1940440541
SNP_P1_177223_36183	NW_004515778.1	Scaffold246	36183	AA	TT	1940440542
SNP_P1_177224_48777	NW_004515778.1	Scaffold246	48777	TT	CC	1940440543
SNP_P1_177225_54231	NW_004515778.1	Scaffold246	54231	TT	GG	1940440544
SNP_P1_177226_54461	NW_004515778.1	Scaffold246	54461	AA	GG	1940440545
SNP_P1_177227_54464	NW_004515778.1	Scaffold246	54464	CC	AA	1940440546
SNP_P1_177228_54470	NW_004515778.1	Scaffold246	54470	TT	CC	1940440547
SNP_P1_177229_54495	NW_004515778.1	Scaffold246	54495	TT	CC	1940440548
SNP_P1_177230_54503	NW_004515778.1	Scaffold246	54503	AA	GG	1940440549
SNP_P1_177231_54511	NW_004515778.1	Scaffold246	54511	CC	TT	1940440550
SNP_P1_177232_54512	NW_004515778.1	Scaffold246	54512	GG	CC	1940440551
SNP_P1_177233_54731	NW_004515778.1	Scaffold246	54731	GG	AA	1940440552
SNP_P1_177234_55214	NW_004515778.1	Scaffold246	55214	GG	TT	1940440553
SNP_P1_177235_55341	NW_004515778.1	Scaffold246	55341	TT	AA	1940440554
SNP_P1_177236_55380	NW_004515778.1	Scaffold246	55380	TT	AA	1940440555
SNP_P1_177237_55604	NW_004515778.1	Scaffold246	55604	CC	TT	1940440556
SNP_P1_177238_55610	NW_004515778.1	Scaffold246	55610	TT	AA	1940440557
SNP_P1_177239_55612	NW_004515778.1	Scaffold246	55612	AA	GG	1940440558
SNP_P1_177240_56490	NW_004515778.1	Scaffold246	56490	CC	GG	1940440559
SNP_P1_177241_56531	NW_004515778.1	Scaffold246	56531	AA	TT	1940440560
SNP_P1_177242_56533	NW_004515778.1	Scaffold246	56533	TT	GG	1940440561
SNP_P1_177243_56594	NW_004515778.1	Scaffold246	56594	CC	TT	1940440562
SNP_P1_177244_56595	NW_004515778.1	Scaffold246	56595	CC	GG	1940440563
SNP_P1_177245_56717	NW_004515778.1	Scaffold246	56717	GG	AA	1940440564
SNP_P1_177246_56720	NW_004515778.1	Scaffold246	56720	CC	AA	1940440565
SNP_P1_177247_56722	NW_004515778.1	Scaffold246	56722	GG	AA	1940440566
SNP_P1_177248_56729	NW_004515778.1	Scaffold246	56729	TT	CC	1940440567

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177251_60173	NW_004515778.1	Scaffold246	60173	AA	TT	1940440569
SNP_P1_177252_62779	NW_004515778.1	Scaffold246	62779	GG	AA	1940440570
SNP_P1_177253_62821	NW_004515778.1	Scaffold246	62821	TT	CC	1940440571
SNP_P1_177254_62862	NW_004515778.1	Scaffold246	62862	TT	GG	1940440572
SNP_P1_177255_62870	NW_004515778.1	Scaffold246	62870	AA	GG	1940440573
SNP_P1_177256_67432	NW_004515778.1	Scaffold246	67432	CC	TT	1940440574
SNP_P1_177257_67511	NW_004515778.1	Scaffold246	67511	TT	GG	1940440575
SNP_P1_177258_67664	NW_004515778.1	Scaffold246	67664	TT	CC	1940440576
SNP_P1_177259_1275	NW_004515779.1	Scaffold249	1275	CC	AA	1940440577
SNP_P1_177260_1489	NW_004515779.1	Scaffold249	1489	TT	GG	1940440578
SNP_P1_177261_1566	NW_004515779.1	Scaffold249	1566	TT	GG	1940440579
SNP_P1_177262_1621	NW_004515779.1	Scaffold249	1621	TT	AA	1940440580
SNP_P1_177263_1632	NW_004515779.1	Scaffold249	1632	GG	TT	1940440581
SNP_P1_177264_1633	NW_004515779.1	Scaffold249	1633	GG	CC	1940440582
SNP_P1_177265_1718	NW_004515779.1	Scaffold249	1718	CC	TT	1940440583
SNP_P1_177266_1719	NW_004515779.1	Scaffold249	1719	GG	AA	1940440584
SNP_P1_177267_1750	NW_004515779.1	Scaffold249	1750	AA	GG	1940440585
SNP_P1_177268_1985	NW_004515779.1	Scaffold249	1985	TT	AA	1940440586
SNP_P1_177269_2069	NW_004515779.1	Scaffold249	2069	GG	AA	1940440587
SNP_P1_177270_4252	NW_004515779.1	Scaffold249	4252	GG	AA	1940440588
SNP_P1_177271_4408	NW_004515779.1	Scaffold249	4408	CC	TT	1940440589
SNP_P1_177272_4488	NW_004515779.1	Scaffold249	4488	TT	AA	1940440590
SNP_P1_177273_4773	NW_004515779.1	Scaffold249	4773	CC	AA	1940440591
SNP_P1_177274_4794	NW_004515779.1	Scaffold249	4794	GG	TT	1940440592
SNP_P1_177275_4801	NW_004515779.1	Scaffold249	4801	CC	GG	1940440593
SNP_P1_177276_10988	NW_004515779.1	Scaffold249	10988	CC	TT	1940440594
SNP_P1_177277_18469	NW_004515779.1	Scaffold249	18469	GG	TT	1940440595
SNP_P1_177278_19172	NW_004515779.1	Scaffold249	19172	AA	CC	1940440596
SNP_P1_177279_19359	NW_004515779.1	Scaffold249	19359	GG	CC	1940440597
SNP_P1_177280_19744	NW_004515779.1	Scaffold249	19744	TT	AA	1940440598
SNP_P1_177281_20258	NW_004515779.1	Scaffold249	20258	CC	AA	1940440599
SNP_P1_177282_20277	NW_004515779.1	Scaffold249	20277	GG	AA	1940440600
SNP_P1_177283_20284	NW_004515779.1	Scaffold249	20284	GG	AA	1940440601
SNP_P1_177284_20286	NW_004515779.1	Scaffold249	20286	TT	AA	1940440602
SNP_P1_177285_20287	NW_004515779.1	Scaffold249	20287	TT	GG	1940440603
SNP_P1_177286_20291	NW_004515779.1	Scaffold249	20291	GG	CC	1940440604
SNP_P1_177287_22745	NW_004515779.1	Scaffold249	22745	CC	AA	1940440605
SNP_P1_177288_22751	NW_004515779.1	Scaffold249	22751	TT	CC	1940440606
SNP_P1_177290_22761	NW_004515779.1	Scaffold249	22761	AA	GG	1940440607
SNP_P1_177291_23798	NW_004515779.1	Scaffold249	23798	TT	CC	1940440608
SNP_P1_177292_23848	NW_004515779.1	Scaffold249	23848	GG	TT	1940440609

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177294_23864	NW_004515779.1	Scaffold249	23864	AA	TT	1940440611
SNP_P1_177295_29519	NW_004515779.1	Scaffold249	29519	AA	GG	1940440612
SNP_P1_177296_29558	NW_004515779.1	Scaffold249	29558	CC	TT	1940440613
SNP_P1_177297_30786	NW_004515779.1	Scaffold249	30786	TT	AA	1940440614
SNP_P1_177298_33891	NW_004515779.1	Scaffold249	33891	GG	TT	1940440615
SNP_P1_177299_51366	NW_004515779.1	Scaffold249	51366	TT	GG	1940440616
SNP_P1_177300_54094	NW_004515779.1	Scaffold249	54094	TT	GG	1940440617
SNP_P1_177301_54100	NW_004515779.1	Scaffold249	54100	CC	AA	1940440618
SNP_P1_177302_54111	NW_004515779.1	Scaffold249	54111	AA	TT	1940440619
SNP_P1_177304_54166	NW_004515779.1	Scaffold249	54166	AA	TT	1940440620
SNP_P1_177305_54343	NW_004515779.1	Scaffold249	54343	TT	CC	1940440621
SNP_P1_177306_54418	NW_004515779.1	Scaffold249	54418	AA	GG	1940440622
SNP_P1_177307_54447	NW_004515779.1	Scaffold249	54447	TT	GG	1940440623
SNP_P1_177308_54461	NW_004515779.1	Scaffold249	54461	GG	AA	1940440624
SNP_P1_177309_54485	NW_004515779.1	Scaffold249	54485	TT	AA	1940440625
SNP_P1_177310_60038	NW_004515779.1	Scaffold249	60038	GG	CC	1940440626
SNP_P1_177311_69163	NW_004515779.1	Scaffold249	69163	CC	AA	1940440627
SNP_P1_177312_69446	NW_004515779.1	Scaffold249	69446	GG	AA	1940440628
SNP_P1_177313_69515	NW_004515779.1	Scaffold249	69515	AA	GG	1940440629
SNP_P1_177314_69525	NW_004515779.1	Scaffold249	69525	CC	GG	1940440630
SNP_P1_177315_73317	NW_004515779.1	Scaffold249	73317	CC	TT	1940440631
SNP_P1_177317_73373	NW_004515779.1	Scaffold249	73373	GG	AA	1940440632
SNP_P1_177318_73377	NW_004515779.1	Scaffold249	73377	GG	TT	1940440633
SNP_P1_177319_73541	NW_004515779.1	Scaffold249	73541	CC	GG	1940440634
SNP_P1_177320_73635	NW_004515779.1	Scaffold249	73635	GG	AA	1940440635
SNP_P1_177321_73679	NW_004515779.1	Scaffold249	73679	AA	TT	1940440636
SNP_P1_177322_73715	NW_004515779.1	Scaffold249	73715	AA	GG	1940440637
SNP_P1_177323_75963	NW_004515779.1	Scaffold249	75963	AA	GG	1940440638
SNP_P1_177324_87720	NW_004515779.1	Scaffold249	87720	AA	TT	1940440639
SNP_P1_177326_91784	NW_004515779.1	Scaffold249	91784	GG	AA	1940440640
SNP_P1_177327_91801	NW_004515779.1	Scaffold249	91801	TT	GG	1940440641
SNP_P1_177328_91806	NW_004515779.1	Scaffold249	91806	GG	AA	1940440643
SNP_P1_177329_91833	NW_004515779.1	Scaffold249	91833	AA	GG	1940440644
SNP_P1_177330_92011	NW_004515779.1	Scaffold249	92011	CC	TT	1940440645
SNP_P1_177331_92067	NW_004515779.1	Scaffold249	92067	AA	GG	1940440646
SNP_P1_177332_98785	NW_004515779.1	Scaffold249	98785	AA	GG	1940440647
SNP_P1_177333_108852	NW_004515779.1	Scaffold249	108852	TT	AA	1940440648
SNP_P1_177334_109094	NW_004515779.1	Scaffold249	109094	TT	CC	1940440649
SNP_P1_177335_111447	NW_004515779.1	Scaffold249	111447	GG	AA	1940440650
SNP_P1_177336_120154	NW_004515779.1	Scaffold249	120154	TT	AA	1940440651
SNP_P1_177337_122344	NW_004515779.1	Scaffold249	122344	AA	GG	1940440652

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177339_138924	NW_004515779.1	Scaffold249	138924	AA	TT	1940440654
SNP_P1_177340_141708	NW_004515779.1	Scaffold249	141708	AA	CC	1940440655
SNP_P1_177341_141713	NW_004515779.1	Scaffold249	141713	CC	TT	1940440656
SNP_P1_177342_141719	NW_004515779.1	Scaffold249	141719	GG	AA	1940440657
SNP_P1_177343_141767	NW_004515779.1	Scaffold249	141767	TT	GG	1940440658
SNP_P1_177344_141770	NW_004515779.1	Scaffold249	141770	AA	TT	1940440659
SNP_P1_177345_141825	NW_004515779.1	Scaffold249	141825	AA	GG	1940440660
SNP_P1_177346_141976	NW_004515779.1	Scaffold249	141976	GG	AA	1940440661
SNP_P1_177347_142049	NW_004515779.1	Scaffold249	142049	TT	AA	1940440662
SNP_P1_177348_142136	NW_004515779.1	Scaffold249	142136	AA	GG	1940440663
SNP_P1_177349_142326	NW_004515779.1	Scaffold249	142326	CC	AA	1940440664
SNP_P1_177350_142387	NW_004515779.1	Scaffold249	142387	CC	AA	1940440665
SNP_P1_177351_142457	NW_004515779.1	Scaffold249	142457	GG	AA	1940440666
SNP_P1_177352_142473	NW_004515779.1	Scaffold249	142473	TT	AA	1940440667
SNP_P1_177354_144894	NW_004515779.1	Scaffold249	144894	AA	TT	1940440668
SNP_P1_177355_145053	NW_004515779.1	Scaffold249	145053	CC	TT	1940440669
SNP_P1_177356_145121	NW_004515779.1	Scaffold249	145121	CC	GG	1940440670
SNP_P1_177357_145148	NW_004515779.1	Scaffold249	145148	GG	CC	1940440671
SNP_P1_177358_145171	NW_004515779.1	Scaffold249	145171	CC	AA	1940440672
SNP_P1_177359_145313	NW_004515779.1	Scaffold249	145313	TT	AA	1940440673
SNP_P1_177360_145373	NW_004515779.1	Scaffold249	145373	TT	AA	1940440674
SNP_P1_177362_145507	NW_004515779.1	Scaffold249	145507	AA	GG	1940440675
SNP_P1_177363_145546	NW_004515779.1	Scaffold249	145546	AA	TT	1940440676
SNP_P1_177364_145559	NW_004515779.1	Scaffold249	145559	AA	TT	1940440677
SNP_P1_177365_145652	NW_004515779.1	Scaffold249	145652	AA	TT	1940440678
SNP_P1_177366_145686	NW_004515779.1	Scaffold249	145686	CC	AA	1940440679
SNP_P1_177367_145688	NW_004515779.1	Scaffold249	145688	AA	CC	1940440680
SNP_P1_177368_145689	NW_004515779.1	Scaffold249	145689	GG	CC	1940440681
SNP_P1_177369_145693	NW_004515779.1	Scaffold249	145693	GG	AA	1940440682
SNP_P1_177370_145703	NW_004515779.1	Scaffold249	145703	TT	CC	1940440683
SNP_P1_177371_145713	NW_004515779.1	Scaffold249	145713	AA	CC	1940440684
SNP_P1_177372_145820	NW_004515779.1	Scaffold249	145820	TT	AA	1940440685
SNP_P1_177373_157876	NW_004515779.1	Scaffold249	157876	GG	CC	1940440686
SNP_P1_177374_167333	NW_004515779.1	Scaffold249	167333	AA	GG	1940440687
SNP_P1_177375_167633	NW_004515779.1	Scaffold249	167633	CC	AA	1940440688
SNP_P1_177376_167634	NW_004515779.1	Scaffold249	167634	AA	CC	1940440689
SNP_P1_177377_167635	NW_004515779.1	Scaffold249	167635	AA	GG	1940440690
SNP_P1_177378_168950	NW_004515779.1	Scaffold249	168950	CC	TT	1940440691
SNP_P1_177379_169061	NW_004515779.1	Scaffold249	169061	AA	CC	1940440692
SNP_P1_177380_169081	NW_004515779.1	Scaffold249	169081	GG	TT	1940440693
SNP_P1_177381_169104	NW_004515779.1	Scaffold249	169104	TT	AA	1940440694

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177383_169126	NW_004515779.1	Scaffold249	169126	AA	GG	1940440696
SNP_P1_177384_169141	NW_004515779.1	Scaffold249	169141	CC	TT	1940440697
SNP_P1_177385_169148	NW_004515779.1	Scaffold249	169148	CC	GG	1940440698
SNP_P1_177386_169152	NW_004515779.1	Scaffold249	169152	GG	AA	1940440699
SNP_P1_177387_170180	NW_004515779.1	Scaffold249	170180	TT	GG	1940440700
SNP_P1_177388_170182	NW_004515779.1	Scaffold249	170182	CC	AA	1940440701
SNP_P1_177389_170200	NW_004515779.1	Scaffold249	170200	CC	AA	1940440702
SNP_P1_177390_170203	NW_004515779.1	Scaffold249	170203	TT	AA	1940440703
SNP_P1_177391_170588	NW_004515779.1	Scaffold249	170588	TT	CC	1940440704
SNP_P1_177392_178973	NW_004515779.1	Scaffold249	178973	CC	TT	1940440705
SNP_P1_177393_180110	NW_004515779.1	Scaffold249	180110	GG	CC	1940440706
SNP_P1_177394_183297	NW_004515779.1	Scaffold249	183297	CC	TT	1940440707
SNP_P1_177395_184443	NW_004515779.1	Scaffold249	184443	GG	AA	1940440708
SNP_P1_177396_190281	NW_004515779.1	Scaffold249	190281	TT	GG	1940440709
SNP_P1_177397_190449	NW_004515779.1	Scaffold249	190449	CC	TT	1940440710
SNP_P1_177398_190488	NW_004515779.1	Scaffold249	190488	TT	CC	1940440711
SNP_P1_177399_196002	NW_004515779.1	Scaffold249	196002	TT	CC	1940440712
SNP_P1_177400_196380	NW_004515779.1	Scaffold249	196380	CC	TT	1940440713
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SNP_P1_177402_196413	NW_004515779.1	Scaffold249	196413	GG	AA	1940440715
SNP_P1_177403_196417	NW_004515779.1	Scaffold249	196417	AA	GG	1940440716
SNP_P1_177404_196434	NW_004515779.1	Scaffold249	196434	AA	TT	1940440717
SNP_P1_177405_196485	NW_004515779.1	Scaffold249	196485	AA	GG	1940440718
SNP_P1_177407_196527	NW_004515779.1	Scaffold249	196527	CC	TT	1940440719
SNP_P1_177408_200995	NW_004515779.1	Scaffold249	200995	CC	AA	1940440720
SNP_P1_177410_201058	NW_004515779.1	Scaffold249	201058	TT	CC	1940440721
SNP_P1_177411_203148	NW_004515779.1	Scaffold249	203148	AA	TT	1940440722
SNP_P1_177413_237	NW_004515780.1	Scaffold250	237	TT	CC	1940440723
SNP_P1_177414_672	NW_004515780.1	Scaffold250	672	GG	AA	1940440724
SNP_P1_177415_2085	NW_004515780.1	Scaffold250	2085	TT	CC	1940440725
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SNP_P1_177417_21939	NW_004515780.1	Scaffold250	21939	TT	AA	1940440727
SNP_P1_177418_29156	NW_004515780.1	Scaffold250	29156	AA	GG	1940440728
SNP_P1_177419_42295	NW_004515780.1	Scaffold250	42295	TT	CC	1940440729
SNP_P1_177420_53250	NW_004515780.1	Scaffold250	53250	AA	GG	1940440730
SNP_P1_177421_53265	NW_004515780.1	Scaffold250	53265	AA	GG	1940440731
SNP_P1_177422_64312	NW_004515780.1	Scaffold250	64312	CC	TT	1940440732
SNP_P1_177423_64376	NW_004515780.1	Scaffold250	64376	AA	CC	1940440733
SNP_P1_177424_64386	NW_004515780.1	Scaffold250	64386	GG	CC	1940440734
SNP_P1_177425_64390	NW_004515780.1	Scaffold250	64390	CC	TT	1940440735
SNP_P1_177426_64396	NW_004515780.1	Scaffold250	64396	CC	TT	1940440736

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177429_77484	NW_004515780.1	Scaffold250	77484	TT	CC	1940440738
SNP_P1_177430_77506	NW_004515780.1	Scaffold250	77506	AA	GG	1940440739
SNP_P1_177431_77709	NW_004515780.1	Scaffold250	77709	CC	TT	1940440740
SNP_P1_177432_77710	NW_004515780.1	Scaffold250	77710	AA	TT	1940440741
SNP_P1_177433_77751	NW_004515780.1	Scaffold250	77751	TT	CC	1940440742
SNP_P1_177434_77760	NW_004515780.1	Scaffold250	77760	AA	CC	1940440743
SNP_P1_177435_77788	NW_004515780.1	Scaffold250	77788	TT	CC	1940440744
SNP_P1_177436_77794	NW_004515780.1	Scaffold250	77794	TT	CC	1940440745
SNP_P1_177437_77808	NW_004515780.1	Scaffold250	77808	AA	GG	1940440746
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SNP_P1_177439_81991	NW_004515780.1	Scaffold250	81991	AA	GG	1940440748
SNP_P1_177440_82172	NW_004515780.1	Scaffold250	82172	AA	GG	1940440749
SNP_P1_177441_82178	NW_004515780.1	Scaffold250	82178	CC	AA	1940440750
SNP_P1_177442_82252	NW_004515780.1	Scaffold250	82252	CC	TT	1940440751
SNP_P1_177443_82282	NW_004515780.1	Scaffold250	82282	GG	CC	1940440752
SNP_P1_177444_82302	NW_004515780.1	Scaffold250	82302	GG	AA	1940440753
SNP_P1_177445_82347	NW_004515780.1	Scaffold250	82347	TT	CC	1940440754
SNP_P1_177446_82447	NW_004515780.1	Scaffold250	82447	CC	AA	1940440755
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SNP_P1_177448_82482	NW_004515780.1	Scaffold250	82482	AA	TT	1940440757
SNP_P1_177449_82517	NW_004515780.1	Scaffold250	82517	CC	TT	1940440758
SNP_P1_177450_82612	NW_004515780.1	Scaffold250	82612	AA	CC	1940440759
SNP_P1_177452_85747	NW_004515780.1	Scaffold250	85747	GG	AA	1940440760
SNP_P1_177453_85756	NW_004515780.1	Scaffold250	85756	CC	TT	1940440761
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SNP_P1_177455_86187	NW_004515780.1	Scaffold250	86187	GG	AA	1940440763
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SNP_P1_177459_86235	NW_004515780.1	Scaffold250	86235	CC	TT	1940440767
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SNP_P1_177462_2193	NW_004515781.1	Scaffold251	2193	CC	AA	1940440770
SNP_P1_177463_2669	NW_004515781.1	Scaffold251	2669	AA	CC	1940440771
SNP_P1_177464_2938	NW_004515781.1	Scaffold251	2938	CC	TT	1940440772
SNP_P1_177465_2959	NW_004515781.1	Scaffold251	2959	CC	AA	1940440773
SNP_P1_177466_3125	NW_004515781.1	Scaffold251	3125	AA	TT	1940440774
SNP_P1_177467_3166	NW_004515781.1	Scaffold251	3166	TT	GG	1940440775
SNP_P1_177468_3718	NW_004515781.1	Scaffold251	3718	TT	AA	1940440776
SNP_P1_177469_5850	NW_004515781.1	Scaffold251	5850	GG	AA	1940440777
SNP_P1_177470_6065	NW_004515781.1	Scaffold251	6065	GG	AA	1940440778

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177472_6619	NW_004515781.1	Scaffold251	6619	AA	GG	1940440780
SNP_P1_177473_8307	NW_004515781.1	Scaffold251	8307	CC	TT	1940440781
SNP_P1_177474_2175	NW_004515782.1	Scaffold253	2175	CC	GG	1940440782
SNP_P1_177475_2189	NW_004515782.1	Scaffold253	2189	AA	TT	1940440783
SNP_P1_177476_2264	NW_004515782.1	Scaffold253	2264	CC	TT	1940440784
SNP_P1_177477_3411	NW_004515782.1	Scaffold253	3411	TT	AA	1940440785
SNP_P1_177478_8917	NW_004515784.1	Scaffold255	8917	CC	TT	1940440786
SNP_P1_177479_8923	NW_004515784.1	Scaffold255	8923	GG	AA	1940440787
SNP_P1_177480_9165	NW_004515784.1	Scaffold255	9165	AA	GG	1940440788
SNP_P1_177481_9184	NW_004515784.1	Scaffold255	9184	TT	CC	1940440789
SNP_P1_177482_9194	NW_004515784.1	Scaffold255	9194	CC	TT	1940440790
SNP_P1_177483_9211	NW_004515784.1	Scaffold255	9211	AA	GG	1940440791
SNP_P1_177484_9220	NW_004515784.1	Scaffold255	9220	AA	GG	1940440792
SNP_P1_177485_9226	NW_004515784.1	Scaffold255	9226	TT	CC	1940440793
SNP_P1_177486_9250	NW_004515784.1	Scaffold255	9250	CC	TT	1940440795
SNP_P1_177487_9259	NW_004515784.1	Scaffold255	9259	GG	AA	1940440796
SNP_P1_177488_9263	NW_004515784.1	Scaffold255	9263	AA	GG	1940440797
SNP_P1_177489_9271	NW_004515784.1	Scaffold255	9271	CC	GG	1940440798
SNP_P1_177490_9304	NW_004515784.1	Scaffold255	9304	TT	GG	1940440799
SNP_P1_177491_9347	NW_004515784.1	Scaffold255	9347	AA	CC	1940440800
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SNP_P1_177493_9370	NW_004515784.1	Scaffold255	9370	TT	GG	1940440802
SNP_P1_177494_10783	NW_004515784.1	Scaffold255	10783	AA	TT	1940440803
SNP_P1_177495_10784	NW_004515784.1	Scaffold255	10784	CC	AA	1940440804
SNP_P1_177497_22161	NW_004515784.1	Scaffold255	22161	CC	TT	1940440805
SNP_P1_177498_35130	NW_004515784.1	Scaffold255	35130	AA	GG	1940440806
SNP_P1_177499_35366	NW_004515784.1	Scaffold255	35366	GG	AA	1940440807
SNP_P1_177500_35367	NW_004515784.1	Scaffold255	35367	AA	GG	1940440808
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SNP_P1_177502_38086	NW_004515784.1	Scaffold255	38086	CC	TT	1940440810
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SNP_P1_177504_44636	NW_004515784.1	Scaffold255	44636	AA	GG	1940440812
SNP_P1_177505_45960	NW_004515784.1	Scaffold255	45960	GG	TT	1940440813
SNP_P1_177506_46259	NW_004515784.1	Scaffold255	46259	TT	AA	1940440814
SNP_P1_177507_47670	NW_004515784.1	Scaffold255	47670	CC	TT	1940440815
SNP_P1_177508_47673	NW_004515784.1	Scaffold255	47673	AA	GG	1940440816
SNP_P1_177509_51621	NW_004515784.1	Scaffold255	51621	TT	CC	1940440817
SNP_P1_177510_70026	NW_004515784.1	Scaffold255	70026	GG	CC	1940440818
SNP_P1_177511_70040	NW_004515784.1	Scaffold255	70040	TT	CC	1940440819
SNP_P1_177512_70113	NW_004515784.1	Scaffold255	70113	TT	CC	1940440820
SNP_P1_177513_70315	NW_004515784.1	Scaffold255	70315	GG	AA	1940440821

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177515_70347	NW_004515784.1	Scaffold255	70347	AA	CC	1940440823
SNP_P1_177516_70400	NW_004515784.1	Scaffold255	70400	CC	TT	1940440824
SNP_P1_177517_70412	NW_004515784.1	Scaffold255	70412	CC	TT	1940440825
SNP_P1_177519_79510	NW_004515784.1	Scaffold255	79510	TT	GG	1940440826
SNP_P1_177520_85113	NW_004515784.1	Scaffold255	85113	TT	CC	1940440827
SNP_P1_177521_85549	NW_004515784.1	Scaffold255	85549	GG	AA	1940440828
SNP_P1_177522_85685	NW_004515784.1	Scaffold255	85685	TT	GG	1940440829
SNP_P1_177523_85719	NW_004515784.1	Scaffold255	85719	TT	GG	1940440830
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SNP_P1_177525_312	NW_004515785.1	Scaffold256	312	AA	CC	1940440832
SNP_P1_177526_326	NW_004515785.1	Scaffold256	326	AA	GG	1940440833
SNP_P1_177527_365	NW_004515785.1	Scaffold256	365	GG	TT	1940440834
SNP_P1_177528_1767	NW_004515785.1	Scaffold256	1767	AA	TT	1940440835
SNP_P1_177529_1967	NW_004515785.1	Scaffold256	1967	TT	CC	1940440836
SNP_P1_177530_2438	NW_004515785.1	Scaffold256	2438	AA	TT	1940440837
SNP_P1_177531_2439	NW_004515785.1	Scaffold256	2439	AA	TT	1940440838
SNP_P1_177533_3499	NW_004515785.1	Scaffold256	3499	CC	TT	1940440839
SNP_P1_177534_10568	NW_004515785.1	Scaffold256	10568	GG	TT	1940440840
SNP_P1_177535_10578	NW_004515785.1	Scaffold256	10578	AA	TT	1940440841
SNP_P1_177536_10594	NW_004515785.1	Scaffold256	10594	TT	CC	1940440842
SNP_P1_177537_10675	NW_004515785.1	Scaffold256	10675	TT	CC	1940440843
SNP_P1_177538_10676	NW_004515785.1	Scaffold256	10676	AA	GG	1940440844
SNP_P1_177539_10807	NW_004515785.1	Scaffold256	10807	AA	TT	1940440845
SNP_P1_177540_10865	NW_004515785.1	Scaffold256	10865	AA	CC	1940440846
SNP_P1_177542_43641	NW_004515785.1	Scaffold256	43641	GG	AA	1940440847
SNP_P1_177543_43698	NW_004515785.1	Scaffold256	43698	CC	AA	1940440848
SNP_P1_177544_43742	NW_004515785.1	Scaffold256	43742	GG	AA	1940440849
SNP_P1_177545_43760	NW_004515785.1	Scaffold256	43760	TT	AA	1940440850
SNP_P1_177546_43848	NW_004515785.1	Scaffold256	43848	AA	GG	1940440851
SNP_P1_177547_43973	NW_004515785.1	Scaffold256	43973	TT	CC	1940440852
SNP_P1_177548_61884	NW_004515785.1	Scaffold256	61884	AA	GG	1940440853
SNP_P1_177549_62177	NW_004515785.1	Scaffold256	62177	TT	GG	1940440854
SNP_P1_177551_87802	NW_004515785.1	Scaffold256	87802	TT	AA	1940440855
SNP_P1_177552_92137	NW_004515785.1	Scaffold256	92137	GG	AA	1940440856
SNP_P1_177553_101362	NW_004515785.1	Scaffold256	101362	CC	GG	1940440857
SNP_P1_177554_101453	NW_004515785.1	Scaffold256	101453	TT	AA	1940440858
SNP_P1_177555_101455	NW_004515785.1	Scaffold256	101455	AA	GG	1940440859
SNP_P1_177556_101657	NW_004515785.1	Scaffold256	101657	CC	AA	1940440860
SNP_P1_177557_101663	NW_004515785.1	Scaffold256	101663	TT	AA	1940440861
SNP_P1_177558_101719	NW_004515785.1	Scaffold256	101719	AA	TT	1940440862
SNP_P1_177559_101724	NW_004515785.1	Scaffold256	101724	TT	AA	1940440863

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177561_101898	NW_004515785.1	Scaffold256	101898	TT	CC	1940440865
SNP_P1_177562_101900	NW_004515785.1	Scaffold256	101900	TT	GG	1940440866
SNP_P1_177563_108516	NW_004515785.1	Scaffold256	108516	TT	GG	1940440867
SNP_P1_177564_108517	NW_004515785.1	Scaffold256	108517	CC	AA	1940440868
SNP_P1_177565_111711	NW_004515785.1	Scaffold256	111711	GG	AA	1940440869
SNP_P1_177566_111829	NW_004515785.1	Scaffold256	111829	CC	TT	1940440870
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SNP_P1_177568_111855	NW_004515785.1	Scaffold256	111855	TT	CC	1940440872
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SNP_P1_177570_112310	NW_004515785.1	Scaffold256	112310	CC	TT	1940440874
SNP_P1_177572_121415	NW_004515785.1	Scaffold256	121415	AA	TT	1940440875
SNP_P1_177573_124108	NW_004515785.1	Scaffold256	124108	TT	AA	1940440876
SNP_P1_177574_124109	NW_004515785.1	Scaffold256	124109	TT	GG	1940440877
SNP_P1_177575_124126	NW_004515785.1	Scaffold256	124126	CC	TT	1940440878
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SNP_P1_177577_124140	NW_004515785.1	Scaffold256	124140	GG	AA	1940440880
SNP_P1_177580_147864	NW_004515785.1	Scaffold256	147864	GG	AA	1940440881
SNP_P1_177581_147870	NW_004515785.1	Scaffold256	147870	AA	CC	1940440882
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SNP_P1_177583_171607	NW_004515785.1	Scaffold256	171607	AA	GG	1940440884
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SNP_P1_177585_171952	NW_004515785.1	Scaffold256	171952	CC	TT	1940440886
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SNP_P1_177594_35116	NW_004515786.1	Scaffold260	35116	AA	CC	1940440895
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SNP_P1_177597_58220	NW_004515786.1	Scaffold260	58220	TT	CC	1940440897
SNP_P1_177598_62542	NW_004515786.1	Scaffold260	62542	AA	TT	1940440898
SNP_P1_177599_64925	NW_004515786.1	Scaffold260	64925	AA	GG	1940440899
SNP_P1_177600_64928	NW_004515786.1	Scaffold260	64928	TT	AA	1940440900
SNP_P1_177601_64939	NW_004515786.1	Scaffold260	64939	AA	TT	1940440901
SNP_P1_177602_64944	NW_004515786.1	Scaffold260	64944	AA	CC	1940440902
SNP_P1_177603_64953	NW_004515786.1	Scaffold260	64953	TT	AA	1940440903
SNP_P1_177604_64954	NW_004515786.1	Scaffold260	64954	TT	GG	1940440904
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177608_65309	NW_004515786.1	Scaffold260	65309	TT	AA	1940440908
SNP_P1_177609_65332	NW_004515786.1	Scaffold260	65332	TT	AA	1940440909
SNP_P1_177610_65396	NW_004515786.1	Scaffold260	65396	AA	GG	1940440910
SNP_P1_177611_73356	NW_004515786.1	Scaffold260	73356	TT	GG	1940440911
SNP_P1_177613_87292	NW_004515786.1	Scaffold260	87292	CC	TT	1940440912
SNP_P1_177614_93448	NW_004515786.1	Scaffold260	93448	AA	GG	1940440913
SNP_P1_177616_96656	NW_004515786.1	Scaffold260	96656	TT	CC	1940440914
SNP_P1_177617_100107	NW_004515786.1	Scaffold260	100107	AA	GG	1940440915
SNP_P1_177620_129257	NW_004515786.1	Scaffold260	129257	AA	GG	1940440916
SNP_P1_177621_145347	NW_004515786.1	Scaffold260	145347	GG	AA	1940440917
SNP_P1_177622_148487	NW_004515786.1	Scaffold260	148487	GG	AA	1940440918
SNP_P1_177623_150530	NW_004515786.1	Scaffold260	150530	GG	CC	1940440919
SNP_P1_177624_150743	NW_004515786.1	Scaffold260	150743	AA	CC	1940440920
SNP_P1_177625_150765	NW_004515786.1	Scaffold260	150765	CC	TT	1940440921
SNP_P1_177627_174326	NW_004515786.1	Scaffold260	174326	AA	GG	1940440922
SNP_P1_177628_174366	NW_004515786.1	Scaffold260	174366	GG	AA	1940440923
SNP_P1_177630_191751	NW_004515786.1	Scaffold260	191751	GG	AA	1940440924
SNP_P1_177631_204972	NW_004515786.1	Scaffold260	204972	AA	GG	1940440925
SNP_P1_177632_205043	NW_004515786.1	Scaffold260	205043	AA	CC	1940440926
SNP_P1_177633_205184	NW_004515786.1	Scaffold260	205184	TT	AA	1940440927
SNP_P1_177634_205263	NW_004515786.1	Scaffold260	205263	AA	GG	1940440928
SNP_P1_177635_205309	NW_004515786.1	Scaffold260	205309	GG	AA	1940440929
SNP_P1_177636_209493	NW_004515786.1	Scaffold260	209493	CC	TT	1940440930
SNP_P1_177637_209518	NW_004515786.1	Scaffold260	209518	GG	AA	1940440931
SNP_P1_177638_209585	NW_004515786.1	Scaffold260	209585	TT	AA	1940440932
SNP_P1_177639_209751	NW_004515786.1	Scaffold260	209751	AA	GG	1940440933
SNP_P1_177640_209758	NW_004515786.1	Scaffold260	209758	AA	GG	1940440934
SNP_P1_177643_214249	NW_004515786.1	Scaffold260	214249	CC	TT	1940440935
SNP_P1_177644_233674	NW_004515786.1	Scaffold260	233674	GG	TT	1940440936
SNP_P1_177645_233704	NW_004515786.1	Scaffold260	233704	CC	TT	1940440937
SNP_P1_177646_255760	NW_004515786.1	Scaffold260	255760	TT	CC	1940440938
SNP_P1_177647_257318	NW_004515786.1	Scaffold260	257318	TT	CC	1940440939
SNP_P1_177649_271796	NW_004515786.1	Scaffold260	271796	CC	TT	1940440940
SNP_P1_177650_274867	NW_004515786.1	Scaffold260	274867	TT	GG	1940440941
SNP_P1_177651_276144	NW_004515786.1	Scaffold260	276144	CC	TT	1940440942
SNP_P1_177652_278212	NW_004515786.1	Scaffold260	278212	AA	GG	1940440943
SNP_P1_177654_295736	NW_004515786.1	Scaffold260	295736	AA	CC	1940440944
SNP_P1_177655_326324	NW_004515786.1	Scaffold260	326324	TT	GG	1940440945
SNP_P1_177656_328548	NW_004515786.1	Scaffold260	328548	AA	GG	1940440946
SNP_P1_177657_328568	NW_004515786.1	Scaffold260	328568	GG	AA	1940440947

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177659_330698	NW_004515786.1	Scaffold260	330698	AA	GG	1940440950
SNP_P1_177660_330998	NW_004515786.1	Scaffold260	330998	GG	AA	1940440951
SNP_P1_177661_332515	NW_004515786.1	Scaffold260	332515	GG	TT	1940440952
SNP_P1_177662_332527	NW_004515786.1	Scaffold260	332527	AA	GG	1940440953
SNP_P1_177664_346506	NW_004515786.1	Scaffold260	346506	GG	TT	1940440954
SNP_P1_177665_349167	NW_004515786.1	Scaffold260	349167	GG	AA	1940440955
SNP_P1_177666_349242	NW_004515786.1	Scaffold260	349242	TT	CC	1940440956
SNP_P1_177667_354822	NW_004515786.1	Scaffold260	354822	GG	AA	1940440957
SNP_P1_177668_354892	NW_004515786.1	Scaffold260	354892	CC	TT	1940440958
SNP_P1_177669_354924	NW_004515786.1	Scaffold260	354924	AA	TT	1940440959
SNP_P1_177670_354927	NW_004515786.1	Scaffold260	354927	AA	GG	1940440960
SNP_P1_177671_354928	NW_004515786.1	Scaffold260	354928	CC	TT	1940440961
SNP_P1_177672_354944	NW_004515786.1	Scaffold260	354944	AA	CC	1940440962
SNP_P1_177673_355036	NW_004515786.1	Scaffold260	355036	AA	CC	1940440963
SNP_P1_177674_355165	NW_004515786.1	Scaffold260	355165	TT	CC	1940440964
SNP_P1_177675_355286	NW_004515786.1	Scaffold260	355286	AA	GG	1940440965
SNP_P1_177676_355311	NW_004515786.1	Scaffold260	355311	TT	CC	1940440966
SNP_P1_177677_355429	NW_004515786.1	Scaffold260	355429	AA	GG	1940440967
SNP_P1_177679_355736	NW_004515786.1	Scaffold260	355736	AA	GG	1940440968
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SNP_P1_177682_356023	NW_004515786.1	Scaffold260	356023	GG	AA	1940440971
SNP_P1_177683_356191	NW_004515786.1	Scaffold260	356191	TT	CC	1940440972
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SNP_P1_177685_356544	NW_004515786.1	Scaffold260	356544	CC	AA	1940440974
SNP_P1_177688_366993	NW_004515786.1	Scaffold260	366993	AA	TT	1940440975
SNP_P1_177690_417445	NW_004515786.1	Scaffold260	417445	TT	CC	1940440976
SNP_P1_177691_417455	NW_004515786.1	Scaffold260	417455	GG	AA	1940440977
SNP_P1_177692_422880	NW_004515786.1	Scaffold260	422880	TT	AA	1940440978
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SNP_P1_177694_424814	NW_004515786.1	Scaffold260	424814	TT	CC	1940440980
SNP_P1_177695_444479	NW_004515786.1	Scaffold260	444479	AA	CC	1940440981
SNP_P1_177696_444480	NW_004515786.1	Scaffold260	444480	AA	TT	1940440982
SNP_P1_177697_6308	NW_004515788.1	Scaffold263	6308	GG	TT	1940440983
SNP_P1_177698_11449	NW_004515788.1	Scaffold263	11449	AA	GG	1940440984
SNP_P1_177699_12287	NW_004515788.1	Scaffold263	12287	TT	GG	1940440985
SNP_P1_177700_19855	NW_004515788.1	Scaffold263	19855	GG	AA	1940440986
SNP_P1_177701_20170	NW_004515788.1	Scaffold263	20170	GG	CC	1940440987
SNP_P1_177702_20198	NW_004515788.1	Scaffold263	20198	GG	AA	1940440988
SNP_P1_177703_20643	NW_004515788.1	Scaffold263	20643	CC	GG	1940440989
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177706_30177	NW_004515788.1	Scaffold263	30177	TT	AA	1940440992
SNP_P1_177707_36362	NW_004515788.1	Scaffold263	36362	AA	TT	1940440993
SNP_P1_177709_36443	NW_004515788.1	Scaffold263	36443	CC	TT	1940440994
SNP_P1_177710_42451	NW_004515788.1	Scaffold263	42451	AA	GG	1940440995
SNP_P1_177711_64597	NW_004515788.1	Scaffold263	64597	AA	GG	1940440996
SNP_P1_177712_64724	NW_004515788.1	Scaffold263	64724	TT	CC	1940440997
SNP_P1_177713_70628	NW_004515788.1	Scaffold263	70628	GG	AA	1940440998
SNP_P1_177714_81275	NW_004515788.1	Scaffold263	81275	GG	CC	1940440999
SNP_P1_177715_81515	NW_004515788.1	Scaffold263	81515	AA	GG	1940441000
SNP_P1_177716_96898	NW_004515788.1	Scaffold263	96898	CC	TT	1940441001
SNP_P1_177717_120819	NW_004515788.1	Scaffold263	120819	GG	AA	1940441002
SNP_P1_177718_120932	NW_004515788.1	Scaffold263	120932	CC	TT	1940441003
SNP_P1_177719_124042	NW_004515788.1	Scaffold263	124042	AA	TT	1940441004
SNP_P1_177720_138823	NW_004515788.1	Scaffold263	138823	CC	AA	1940441005
SNP_P1_177721_142505	NW_004515788.1	Scaffold263	142505	TT	CC	1940441006
SNP_P1_177722_154989	NW_004515788.1	Scaffold263	154989	TT	CC	1940441007
SNP_P1_177723_154994	NW_004515788.1	Scaffold263	154994	CC	AA	1940441008
SNP_P1_177724_155007	NW_004515788.1	Scaffold263	155007	TT	AA	1940441009
SNP_P1_177725_156376	NW_004515788.1	Scaffold263	156376	GG	AA	1940441010
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SNP_P1_177727_160829	NW_004515788.1	Scaffold263	160829	CC	TT	1940441012
SNP_P1_177728_160834	NW_004515788.1	Scaffold263	160834	GG	AA	1940441013
SNP_P1_177729_160838	NW_004515788.1	Scaffold263	160838	TT	CC	1940441014
SNP_P1_177730_162928	NW_004515788.1	Scaffold263	162928	TT	CC	1940441015
SNP_P1_177731_165454	NW_004515788.1	Scaffold263	165454	GG	AA	1940441016
SNP_P1_177732_165550	NW_004515788.1	Scaffold263	165550	CC	AA	1940441017
SNP_P1_177733_165797	NW_004515788.1	Scaffold263	165797	GG	TT	1940441018
SNP_P1_177734_165821	NW_004515788.1	Scaffold263	165821	TT	CC	1940441019
SNP_P1_177735_165875	NW_004515788.1	Scaffold263	165875	GG	AA	1940441020
SNP_P1_177736_165880	NW_004515788.1	Scaffold263	165880	TT	GG	1940441021
SNP_P1_177737_165940	NW_004515788.1	Scaffold263	165940	AA	GG	1940441022
SNP_P1_177738_165970	NW_004515788.1	Scaffold263	165970	TT	CC	1940441023
SNP_P1_177739_166013	NW_004515788.1	Scaffold263	166013	TT	CC	1940441024
SNP_P1_177740_166352	NW_004515788.1	Scaffold263	166352	CC	TT	1940441025
SNP_P1_177741_166357	NW_004515788.1	Scaffold263	166357	CC	TT	1940441026
SNP_P1_177742_166757	NW_004515788.1	Scaffold263	166757	GG	AA	1940441027
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SNP_P1_177744_166775	NW_004515788.1	Scaffold263	166775	GG	AA	1940441029
SNP_P1_177745_166865	NW_004515788.1	Scaffold263	166865	TT	CC	1940441030
SNP_P1_177746_167258	NW_004515788.1	Scaffold263	167258	GG	AA	1940441031
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177750_172904	NW_004515788.1	Scaffold263	172904	AA	GG	1940441035
SNP_P1_177751_172929	NW_004515788.1	Scaffold263	172929	TT	CC	1940441036
SNP_P1_177752_172930	NW_004515788.1	Scaffold263	172930	TT	CC	1940441037
SNP_P1_177753_174169	NW_004515788.1	Scaffold263	174169	CC	TT	1940441038
SNP_P1_177754_174170	NW_004515788.1	Scaffold263	174170	TT	CC	1940441039
SNP_P1_177755_175448	NW_004515788.1	Scaffold263	175448	TT	CC	1940441040
SNP_P1_177756_175886	NW_004515788.1	Scaffold263	175886	TT	CC	1940441041
SNP_P1_177757_176205	NW_004515788.1	Scaffold263	176205	AA	GG	1940441042
SNP_P1_177758_176246	NW_004515788.1	Scaffold263	176246	AA	TT	1940441043
SNP_P1_177759_176269	NW_004515788.1	Scaffold263	176269	AA	GG	1940441044
SNP_P1_177760_176274	NW_004515788.1	Scaffold263	176274	GG	AA	1940441045
SNP_P1_177761_176353	NW_004515788.1	Scaffold263	176353	GG	TT	1940441046
SNP_P1_177762_176400	NW_004515788.1	Scaffold263	176400	TT	AA	1940441047
SNP_P1_177763_176413	NW_004515788.1	Scaffold263	176413	CC	TT	1940441048
SNP_P1_177764_176419	NW_004515788.1	Scaffold263	176419	TT	CC	1940441049
SNP_P1_177765_176421	NW_004515788.1	Scaffold263	176421	GG	CC	1940441050
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SNP_P1_177767_176623	NW_004515788.1	Scaffold263	176623	CC	TT	1940441052
SNP_P1_177768_176630	NW_004515788.1	Scaffold263	176630	GG	AA	1940441053
SNP_P1_177769_176635	NW_004515788.1	Scaffold263	176635	CC	TT	1940441054
SNP_P1_177770_176655	NW_004515788.1	Scaffold263	176655	CC	TT	1940441055
SNP_P1_177771_177642	NW_004515788.1	Scaffold263	177642	GG	TT	1940441056
SNP_P1_177773_177975	NW_004515788.1	Scaffold263	177975	TT	AA	1940441057
SNP_P1_177774_178162	NW_004515788.1	Scaffold263	178162	AA	GG	1940441058
SNP_P1_177775_178188	NW_004515788.1	Scaffold263	178188	CC	TT	1940441059
SNP_P1_177776_178201	NW_004515788.1	Scaffold263	178201	AA	GG	1940441060
SNP_P1_177777_178248	NW_004515788.1	Scaffold263	178248	CC	TT	1940441061
SNP_P1_177778_178286	NW_004515788.1	Scaffold263	178286	CC	TT	1940441062
SNP_P1_177779_178319	NW_004515788.1	Scaffold263	178319	CC	TT	1940441063
SNP_P1_177780_178782	NW_004515788.1	Scaffold263	178782	GG	TT	1940441064
SNP_P1_177781_180913	NW_004515788.1	Scaffold263	180913	AA	GG	1940441065
SNP_P1_177782_464	NW_004515789.1	Scaffold264	464	CC	TT	1940441066
SNP_P1_177783_4282	NW_004515790.1	Scaffold268	4282	AA	CC	1940441067
SNP_P1_177784_4679	NW_004515790.1	Scaffold268	4679	TT	CC	1940441068
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SNP_P1_177788_13013	NW_004515790.1	Scaffold268	13013	CC	AA	1940441072
SNP_P1_177789_13105	NW_004515790.1	Scaffold268	13105	CC	TT	1940441073
SNP_P1_177790_13121	NW_004515790.1	Scaffold268	13121	TT	AA	1940441074

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177802_13453	NW_004515790.1	Scaffold268	13453	CC	AA	1940441086
SNP_P1_177803_13454	NW_004515790.1	Scaffold268	13454	TT	AA	1940441087
SNP_P1_177804_13590	NW_004515790.1	Scaffold268	13590	TT	AA	1940441088
SNP_P1_177805_15772	NW_004515790.1	Scaffold268	15772	AA	CC	1940441089
SNP_P1_177806_15861	NW_004515790.1	Scaffold268	15861	CC	TT	1940441090
SNP_P1_177807_15865	NW_004515790.1	Scaffold268	15865	CC	TT	1940441092
SNP_P1_177808_15866	NW_004515790.1	Scaffold268	15866	TT	CC	1940441093
SNP_P1_177809_15895	NW_004515790.1	Scaffold268	15895	CC	TT	1940441094
SNP_P1_177810_15940	NW_004515790.1	Scaffold268	15940	TT	CC	1940441095
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SNP_P1_177813_17602	NW_004515790.1	Scaffold268	17602	CC	TT	1940441098
SNP_P1_177814_30715	NW_004515790.1	Scaffold268	30715	GG	TT	1940441099
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SNP_P1_177816_34236	NW_004515790.1	Scaffold268	34236	AA	TT	1940441101
SNP_P1_177817_34237	NW_004515790.1	Scaffold268	34237	TT	CC	1940441102
SNP_P1_177818_34251	NW_004515790.1	Scaffold268	34251	TT	CC	1940441103
SNP_P1_177819_43077	NW_004515790.1	Scaffold268	43077	TT	CC	1940441104
SNP_P1_177820_43846	NW_004515790.1	Scaffold268	43846	AA	GG	1940441105
SNP_P1_177821_44729	NW_004515790.1	Scaffold268	44729	CC	TT	1940441106
SNP_P1_177822_45132	NW_004515790.1	Scaffold268	45132	TT	CC	1940441107
SNP_P1_177823_45285	NW_004515790.1	Scaffold268	45285	GG	AA	1940441108
SNP_P1_177825_45426	NW_004515790.1	Scaffold268	45426	AA	TT	1940441109
SNP_P1_177826_45427	NW_004515790.1	Scaffold268	45427	TT	AA	1940441110
SNP_P1_177827_45733	NW_004515790.1	Scaffold268	45733	AA	TT	1940441111
SNP_P1_177828_56160	NW_004515790.1	Scaffold268	56160	AA	TT	1940441112
SNP_P1_177829_58532	NW_004515790.1	Scaffold268	58532	TT	CC	1940441113
SNP_P1_177830_3176	NW_004515791.1	Scaffold269	3176	GG	AA	1940441114
SNP_P1_177831_3193	NW_004515791.1	Scaffold269	3193	AA	GG	1940441115
SNP_P1_177832_3378	NW_004515791.1	Scaffold269	3378	TT	CC	1940441116
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177836_3612	NW_004515791.1	Scaffold269	3612	AA	CC	1940441120
SNP_P1_177837_3794	NW_004515791.1	Scaffold269	3794	CC	GG	1940441121
SNP_P1_177838_3824	NW_004515791.1	Scaffold269	3824	AA	TT	1940441122
SNP_P1_177839_4016	NW_004515791.1	Scaffold269	4016	AA	CC	1940441123
SNP_P1_177840_9293	NW_004515792.1	Scaffold271	9293	CC	TT	1940441124
SNP_P1_177841_14234	NW_004515792.1	Scaffold271	14234	CC	GG	1940441125
SNP_P1_177842_15591	NW_004515792.1	Scaffold271	15591	TT	AA	1940441126
SNP_P1_177843_19480	NW_004515792.1	Scaffold271	19480	GG	AA	1940441127
SNP_P1_177844_19504	NW_004515792.1	Scaffold271	19504	TT	CC	1940441128
SNP_P1_177845_19539	NW_004515792.1	Scaffold271	19539	TT	CC	1940441129
SNP_P1_177846_19554	NW_004515792.1	Scaffold271	19554	GG	AA	1940441130
SNP_P1_177847_19557	NW_004515792.1	Scaffold271	19557	TT	CC	1940441131
SNP_P1_177848_19564	NW_004515792.1	Scaffold271	19564	CC	TT	1940441132
SNP_P1_177849_19600	NW_004515792.1	Scaffold271	19600	CC	TT	1940441133
SNP_P1_177850_19687	NW_004515792.1	Scaffold271	19687	GG	AA	1940441134
SNP_P1_177851_19690	NW_004515792.1	Scaffold271	19690	TT	CC	1940441135
SNP_P1_177852_19720	NW_004515792.1	Scaffold271	19720	CC	TT	1940441136
SNP_P1_177853_19732	NW_004515792.1	Scaffold271	19732	TT	CC	1940441137
SNP_P1_177854_19756	NW_004515792.1	Scaffold271	19756	CC	TT	1940441138
SNP_P1_177855_19842	NW_004515792.1	Scaffold271	19842	TT	CC	1940441139
SNP_P1_177856_19862	NW_004515792.1	Scaffold271	19862	TT	GG	1940441140
SNP_P1_177857_19869	NW_004515792.1	Scaffold271	19869	TT	CC	1940441141
SNP_P1_177858_19874	NW_004515792.1	Scaffold271	19874	AA	GG	1940441142
SNP_P1_177859_19897	NW_004515792.1	Scaffold271	19897	AA	CC	1940441143
SNP_P1_177860_19927	NW_004515792.1	Scaffold271	19927	AA	GG	1940441144
SNP_P1_177861_19958	NW_004515792.1	Scaffold271	19958	TT	AA	1940441145
SNP_P1_177862_20003	NW_004515792.1	Scaffold271	20003	AA	GG	1940441146
SNP_P1_177863_20006	NW_004515792.1	Scaffold271	20006	AA	GG	1940441147
SNP_P1_177864_20015	NW_004515792.1	Scaffold271	20015	TT	CC	1940441148
SNP_P1_177865_20018	NW_004515792.1	Scaffold271	20018	TT	AA	1940441149
SNP_P1_177866_20035	NW_004515792.1	Scaffold271	20035	GG	AA	1940441150
SNP_P1_177867_20063	NW_004515792.1	Scaffold271	20063	GG	AA	1940441151
SNP_P1_177868_20075	NW_004515792.1	Scaffold271	20075	CC	TT	1940441152
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SNP_P1_177870_20888	NW_004515792.1	Scaffold271	20888	GG	CC	1940441154
SNP_P1_177871_22759	NW_004515792.1	Scaffold271	22759	CC	AA	1940441155
SNP_P1_177872_26587	NW_004515792.1	Scaffold271	26587	GG	AA	1940441156
SNP_P1_177873_26654	NW_004515792.1	Scaffold271	26654	GG	TT	1940441157
SNP_P1_177874_27143	NW_004515792.1	Scaffold271	27143	CC	TT	1940441158
SNP_P1_177875_27177	NW_004515792.1	Scaffold271	27177	CC	TT	1940441159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177877_43552	NW_004515792.1	Scaffold271	43552	CC	TT	1940441161
SNP_P1_177878_43569	NW_004515792.1	Scaffold271	43569	AA	GG	1940441162
SNP_P1_177879_43924	NW_004515792.1	Scaffold271	43924	TT	CC	1940441163
SNP_P1_177880_44082	NW_004515792.1	Scaffold271	44082	TT	CC	1940441164
SNP_P1_177881_44094	NW_004515792.1	Scaffold271	44094	GG	TT	1940441165
SNP_P1_177882_44119	NW_004515792.1	Scaffold271	44119	TT	CC	1940441166
SNP_P1_177883_44182	NW_004515792.1	Scaffold271	44182	TT	GG	1940441167
SNP_P1_177884_53719	NW_004515792.1	Scaffold271	53719	TT	CC	1940441168
SNP_P1_177885_61483	NW_004515792.1	Scaffold271	61483	AA	GG	1940441169
SNP_P1_177886_71263	NW_004515792.1	Scaffold271	71263	GG	TT	1940441170
SNP_P1_177887_71266	NW_004515792.1	Scaffold271	71266	AA	TT	1940441171
SNP_P1_177888_71270	NW_004515792.1	Scaffold271	71270	TT	CC	1940441172
SNP_P1_177889_71280	NW_004515792.1	Scaffold271	71280	TT	CC	1940441173
SNP_P1_177890_71295	NW_004515792.1	Scaffold271	71295	CC	AA	1940441174
SNP_P1_177891_71354	NW_004515792.1	Scaffold271	71354	GG	TT	1940441175
SNP_P1_177893_85892	NW_004515792.1	Scaffold271	85892	CC	TT	1940441176
SNP_P1_177895_93534	NW_004515792.1	Scaffold271	93534	TT	AA	1940441177
SNP_P1_177896_96049	NW_004515792.1	Scaffold271	96049	GG	TT	1940441178
SNP_P1_177897_119357	NW_004515792.1	Scaffold271	119357	CC	TT	1940441179
SNP_P1_177899_130014	NW_004515792.1	Scaffold271	130014	GG	TT	1940441180
SNP_P1_177900_140625	NW_004515792.1	Scaffold271	140625	AA	GG	1940441181
SNP_P1_177901_172904	NW_004515792.1	Scaffold271	172904	GG	AA	1940441182
SNP_P1_177904_196501	NW_004515792.1	Scaffold271	196501	GG	CC	1940441183
SNP_P1_177906_203690	NW_004515792.1	Scaffold271	203690	CC	TT	1940441184
SNP_P1_177907_204852	NW_004515792.1	Scaffold271	204852	AA	GG	1940441185
SNP_P1_177908_204954	NW_004515792.1	Scaffold271	204954	GG	AA	1940441186
SNP_P1_177909_204988	NW_004515792.1	Scaffold271	204988	GG	AA	1940441187
SNP_P1_177910_205082	NW_004515792.1	Scaffold271	205082	AA	GG	1940441188
SNP_P1_177911_205119	NW_004515792.1	Scaffold271	205119	AA	GG	1940441189
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SNP_P1_177913_205167	NW_004515792.1	Scaffold271	205167	GG	AA	1940441191
SNP_P1_177914_205186	NW_004515792.1	Scaffold271	205186	GG	CC	1940441192
SNP_P1_177915_205216	NW_004515792.1	Scaffold271	205216	CC	TT	1940441193
SNP_P1_177916_205308	NW_004515792.1	Scaffold271	205308	GG	AA	1940441194
SNP_P1_177917_205688	NW_004515792.1	Scaffold271	205688	AA	GG	1940441195
SNP_P1_177918_205919	NW_004515792.1	Scaffold271	205919	AA	CC	1940441196
SNP_P1_177920_205984	NW_004515792.1	Scaffold271	205984	CC	TT	1940441197
SNP_P1_177921_209178	NW_004515792.1	Scaffold271	209178	CC	GG	1940441198
SNP_P1_177924_224140	NW_004515792.1	Scaffold271	224140	CC	TT	1940441199
SNP_P1_177925_227548	NW_004515792.1	Scaffold271	227548	AA	GG	1940441200
SNP_P1_177926_243949	NW_004515792.1	Scaffold271	243949	GG	AA	1940441201

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_177928_247005	NW_004515792.1	Scaffold271	247005	CC	TT	1940441202
SNP_P1_177929_267218	NW_004515792.1	Scaffold271	267218	GG	CC	1940441203
SNP_P1_177930_269222	NW_004515792.1	Scaffold271	269222	CC	AA	1940441204
SNP_P1_177931_276755	NW_004515792.1	Scaffold271	276755	CC	GG	1940441206
SNP_P1_177932_276872	NW_004515792.1	Scaffold271	276872	GG	AA	1940441207
SNP_P1_177933_277292	NW_004515792.1	Scaffold271	277292	GG	AA	1940441208
SNP_P1_177934_5677	NW_004515793.1	Scaffold273	5677	TT	CC	1940441209
SNP_P1_177935_5679	NW_004515793.1	Scaffold273	5679	TT	CC	1940441210
SNP_P1_177936_6442	NW_004515793.1	Scaffold273	6442	TT	CC	1940441211
SNP_P1_177937_6443	NW_004515793.1	Scaffold273	6443	AA	CC	1940441212
SNP_P1_177939_11886	NW_004515793.1	Scaffold273	11886	GG	AA	1940441213
SNP_P1_177940_26207	NW_004515793.1	Scaffold273	26207	TT	AA	1940441214
SNP_P1_177942_26541	NW_004515793.1	Scaffold273	26541	GG	AA	1940441215
SNP_P1_177943_28233	NW_004515793.1	Scaffold273	28233	CC	TT	1940441216
SNP_P1_177944_46803	NW_004515793.1	Scaffold273	46803	GG	AA	1940441217
SNP_P1_177946_48692	NW_004515793.1	Scaffold273	48692	AA	CC	1940441218
SNP_P1_177947_48834	NW_004515793.1	Scaffold273	48834	TT	CC	1940441219
SNP_P1_177948_48835	NW_004515793.1	Scaffold273	48835	AA	GG	1940441220
SNP_P1_177950_50195	NW_004515793.1	Scaffold273	50195	TT	AA	1940441221
SNP_P1_177951_50199	NW_004515793.1	Scaffold273	50199	TT	CC	1940441222
SNP_P1_177952_50222	NW_004515793.1	Scaffold273	50222	AA	TT	1940441223
SNP_P1_177953_50225	NW_004515793.1	Scaffold273	50225	TT	AA	1940441224
SNP_P1_177954_50430	NW_004515793.1	Scaffold273	50430	GG	AA	1940441225
SNP_P1_177955_50452	NW_004515793.1	Scaffold273	50452	AA	GG	1940441226
SNP_P1_177956_51074	NW_004515793.1	Scaffold273	51074	CC	TT	1940441227
SNP_P1_177957_51476	NW_004515793.1	Scaffold273	51476	CC	TT	1940441228
SNP_P1_177958_51488	NW_004515793.1	Scaffold273	51488	TT	CC	1940441229
SNP_P1_177959_51770	NW_004515793.1	Scaffold273	51770	CC	TT	1940441230
SNP_P1_177960_52194	NW_004515793.1	Scaffold273	52194	TT	GG	1940441231
SNP_P1_177961_66186	NW_004515793.1	Scaffold273	66186	TT	AA	1940441232
SNP_P1_177962_83263	NW_004515793.1	Scaffold273	83263	TT	CC	1940441233
SNP_P1_177963_83266	NW_004515793.1	Scaffold273	83266	AA	GG	1940441234
SNP_P1_177964_83287	NW_004515793.1	Scaffold273	83287	AA	GG	1940441235
SNP_P1_177965_83293	NW_004515793.1	Scaffold273	83293	TT	CC	1940441236
SNP_P1_177966_83348	NW_004515793.1	Scaffold273	83348	CC	TT	1940441237
SNP_P1_177967_144009	NW_004515793.1	Scaffold273	144009	TT	CC	1940441238
SNP_P1_177968_144467	NW_004515793.1	Scaffold273	144467	CC	TT	1940441239
SNP_P1_177969_160215	NW_004515793.1	Scaffold273	160215	AA	CC	1940441240
SNP_P1_177970_160568	NW_004515793.1	Scaffold273	160568	CC	AA	1940441241
SNP_P1_177971_188842	NW_004515793.1	Scaffold273	188842	AA	GG	1940441242
SNP_P1_177972_189205	NW_004515793.1	Scaffold273	189205	TT	GG	1940441243
SNP_P1_177973_189219	NW_004515793.1	Scaffold273	189219	AA	GG	1940441244

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_177975_190296	NW_004515793.1	Scaffold273	190296	AA	GG	1940441246
SNP_P1_177976_190348	NW_004515793.1	Scaffold273	190348	AA	GG	1940441247
SNP_P1_177977_190438	NW_004515793.1	Scaffold273	190438	TT	CC	1940441248
SNP_P1_177978_190486	NW_004515793.1	Scaffold273	190486	CC	TT	1940441249
SNP_P1_177979_190564	NW_004515793.1	Scaffold273	190564	AA	CC	1940441250
SNP_P1_177981_190683	NW_004515793.1	Scaffold273	190683	GG	TT	1940441251
SNP_P1_177982_190691	NW_004515793.1	Scaffold273	190691	TT	CC	1940441252
SNP_P1_177983_190765	NW_004515793.1	Scaffold273	190765	AA	GG	1940441253
SNP_P1_177984_190882	NW_004515793.1	Scaffold273	190882	TT	CC	1940441254
SNP_P1_177985_190905	NW_004515793.1	Scaffold273	190905	TT	CC	1940441255
SNP_P1_177986_190949	NW_004515793.1	Scaffold273	190949	TT	GG	1940441256
SNP_P1_177987_191739	NW_004515793.1	Scaffold273	191739	TT	CC	1940441257
SNP_P1_177988_191750	NW_004515793.1	Scaffold273	191750	GG	CC	1940441258
SNP_P1_177989_191760	NW_004515793.1	Scaffold273	191760	AA	GG	1940441259
SNP_P1_177990_191841	NW_004515793.1	Scaffold273	191841	TT	CC	1940441260
SNP_P1_177991_191857	NW_004515793.1	Scaffold273	191857	AA	GG	1940441261
SNP_P1_177992_191858	NW_004515793.1	Scaffold273	191858	CC	TT	1940441262
SNP_P1_177993_191870	NW_004515793.1	Scaffold273	191870	TT	CC	1940441263
SNP_P1_177994_209705	NW_004515793.1	Scaffold273	209705	TT	GG	1940441264
SNP_P1_177995_209716	NW_004515793.1	Scaffold273	209716	AA	GG	1940441265
SNP_P1_177996_209802	NW_004515793.1	Scaffold273	209802	TT	CC	1940441266
SNP_P1_177998_209846	NW_004515793.1	Scaffold273	209846	AA	CC	1940441267
SNP_P1_177999_6470	NW_004515794.1	Scaffold275	6470	AA	CC	1940441268
SNP_P1_178000_6976	NW_004515794.1	Scaffold275	6976	AA	GG	1940441269
SNP_P1_178001_7014	NW_004515794.1	Scaffold275	7014	TT	CC	1940441270
SNP_P1_178002_7147	NW_004515794.1	Scaffold275	7147	AA	GG	1940441271
SNP_P1_178003_7834	NW_004515794.1	Scaffold275	7834	AA	GG	1940441272
SNP_P1_178004_8164	NW_004515794.1	Scaffold275	8164	GG	AA	1940441273
SNP_P1_178005_8223	NW_004515794.1	Scaffold275	8223	AA	GG	1940441274
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SNP_P1_178007_33050	NW_004515794.1	Scaffold275	33050	AA	GG	1940441276
SNP_P1_178008_57196	NW_004515794.1	Scaffold275	57196	CC	TT	1940441277
SNP_P1_178009_57199	NW_004515794.1	Scaffold275	57199	TT	CC	1940441278
SNP_P1_178010_57208	NW_004515794.1	Scaffold275	57208	GG	CC	1940441279
SNP_P1_178011_57214	NW_004515794.1	Scaffold275	57214	AA	GG	1940441280
SNP_P1_178012_58607	NW_004515794.1	Scaffold275	58607	AA	GG	1940441281
SNP_P1_178013_59502	NW_004515794.1	Scaffold275	59502	GG	AA	1940441282
SNP_P1_178014_67385	NW_004515794.1	Scaffold275	67385	CC	TT	1940441283
SNP_P1_178016_78148	NW_004515794.1	Scaffold275	78148	AA	CC	1940441284
SNP_P1_178017_85302	NW_004515794.1	Scaffold275	85302	CC	TT	1940441285
SNP_P1_178018_85314	NW_004515794.1	Scaffold275	85314	TT	GG	1940441286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178020_115499	NW_004515794.1	Scaffold275	115499	CC	TT	1940441288
SNP_P1_178021_127766	NW_004515794.1	Scaffold275	127766	TT	AA	1940441289
SNP_P1_178022_130383	NW_004515794.1	Scaffold275	130383	AA	GG	1940441290
SNP_P1_178023_142439	NW_004515794.1	Scaffold275	142439	GG	TT	1940441291
SNP_P1_178024_143089	NW_004515794.1	Scaffold275	143089	AA	TT	1940441292
SNP_P1_178025_143668	NW_004515794.1	Scaffold275	143668	CC	TT	1940441293
SNP_P1_178026_143681	NW_004515794.1	Scaffold275	143681	CC	TT	1940441294
SNP_P1_178027_143768	NW_004515794.1	Scaffold275	143768	AA	TT	1940441295
SNP_P1_178028_143781	NW_004515794.1	Scaffold275	143781	TT	CC	1940441296
SNP_P1_178029_143900	NW_004515794.1	Scaffold275	143900	TT	CC	1940441297
SNP_P1_178030_144073	NW_004515794.1	Scaffold275	144073	CC	TT	1940441298
SNP_P1_178031_144086	NW_004515794.1	Scaffold275	144086	CC	GG	1940441299
SNP_P1_178032_145942	NW_004515794.1	Scaffold275	145942	AA	GG	1940441300
SNP_P1_178033_146150	NW_004515794.1	Scaffold275	146150	AA	GG	1940441301
SNP_P1_178034_146161	NW_004515794.1	Scaffold275	146161	TT	CC	1940441302
SNP_P1_178035_146249	NW_004515794.1	Scaffold275	146249	CC	TT	1940441303
SNP_P1_178036_146309	NW_004515794.1	Scaffold275	146309	AA	CC	1940441304
SNP_P1_178037_147189	NW_004515794.1	Scaffold275	147189	CC	TT	1940441305
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SNP_P1_178040_147583	NW_004515794.1	Scaffold275	147583	TT	CC	1940441308
SNP_P1_178041_147859	NW_004515794.1	Scaffold275	147859	TT	AA	1940441309
SNP_P1_178042_147889	NW_004515794.1	Scaffold275	147889	CC	TT	1940441310
SNP_P1_178043_148036	NW_004515794.1	Scaffold275	148036	TT	CC	1940441311
SNP_P1_178044_148535	NW_004515794.1	Scaffold275	148535	GG	AA	1940441312
SNP_P1_178045_148611	NW_004515794.1	Scaffold275	148611	AA	GG	1940441313
SNP_P1_178046_148706	NW_004515794.1	Scaffold275	148706	TT	CC	1940441314
SNP_P1_178047_148749	NW_004515794.1	Scaffold275	148749	CC	TT	1940441315
SNP_P1_178048_148795	NW_004515794.1	Scaffold275	148795	GG	TT	1940441316
SNP_P1_178049_155139	NW_004515794.1	Scaffold275	155139	TT	AA	1940441317
SNP_P1_178051_160838	NW_004515794.1	Scaffold275	160838	TT	GG	1940441318
SNP_P1_178052_161978	NW_004515794.1	Scaffold275	161978	TT	CC	1940441319
SNP_P1_178054_162126	NW_004515794.1	Scaffold275	162126	CC	GG	1940441320
SNP_P1_178055_162270	NW_004515794.1	Scaffold275	162270	TT	CC	1940441321
SNP_P1_178058_162392	NW_004515794.1	Scaffold275	162392	TT	AA	1940441322
SNP_P1_178059_162461	NW_004515794.1	Scaffold275	162461	AA	GG	1940441323
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SNP_P1_178061_162473	NW_004515794.1	Scaffold275	162473	TT	AA	1940441325
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SNP_P1_178063_167806	NW_004515794.1	Scaffold275	167806	TT	GG	1940441327
SNP_P1_178064_180895	NW_004515794.1	Scaffold275	180895	GG	AA	1940441328

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178069_208449	NW_004515794.1	Scaffold275	208449	AA	TT	1940441331
SNP_P1_178070_208450	NW_004515794.1	Scaffold275	208450	AA	GG	1940441332
SNP_P1_178071_208462	NW_004515794.1	Scaffold275	208462	AA	TT	1940441333
SNP_P1_178072_208470	NW_004515794.1	Scaffold275	208470	TT	AA	1940441334
SNP_P1_178073_208484	NW_004515794.1	Scaffold275	208484	AA	TT	1940441335
SNP_P1_178074_208768	NW_004515794.1	Scaffold275	208768	AA	GG	1940441336
SNP_P1_178075_208793	NW_004515794.1	Scaffold275	208793	CC	GG	1940441337
SNP_P1_178076_208824	NW_004515794.1	Scaffold275	208824	AA	GG	1940441338
SNP_P1_178077_208837	NW_004515794.1	Scaffold275	208837	TT	CC	1940441339
SNP_P1_178078_244478	NW_004515794.1	Scaffold275	244478	GG	AA	1940441340
SNP_P1_178079_275422	NW_004515794.1	Scaffold275	275422	AA	GG	1940441341
SNP_P1_178080_276858	NW_004515794.1	Scaffold275	276858	CC	TT	1940441342
SNP_P1_178081_294527	NW_004515794.1	Scaffold275	294527	GG	TT	1940441343
SNP_P1_178082_294571	NW_004515794.1	Scaffold275	294571	TT	CC	1940441345
SNP_P1_178083_294859	NW_004515794.1	Scaffold275	294859	AA	CC	1940441346
SNP_P1_178084_294862	NW_004515794.1	Scaffold275	294862	GG	AA	1940441347
SNP_P1_178085_294868	NW_004515794.1	Scaffold275	294868	GG	AA	1940441348
SNP_P1_178086_294875	NW_004515794.1	Scaffold275	294875	GG	AA	1940441349
SNP_P1_178087_294903	NW_004515794.1	Scaffold275	294903	CC	TT	1940441350
SNP_P1_178088_296216	NW_004515794.1	Scaffold275	296216	TT	CC	1940441351
SNP_P1_178090_334734	NW_004515794.1	Scaffold275	334734	TT	CC	1940441352
SNP_P1_178091_343927	NW_004515794.1	Scaffold275	343927	TT	AA	1940441353
SNP_P1_178094_377116	NW_004515794.1	Scaffold275	377116	TT	CC	1940441354
SNP_P1_178096_377509	NW_004515794.1	Scaffold275	377509	TT	CC	1940441355
SNP_P1_178097_377585	NW_004515794.1	Scaffold275	377585	AA	GG	1940441356
SNP_P1_178099_382796	NW_004515794.1	Scaffold275	382796	CC	AA	1940441357
SNP_P1_178100_383170	NW_004515794.1	Scaffold275	383170	TT	AA	1940441358
SNP_P1_178101_383182	NW_004515794.1	Scaffold275	383182	AA	GG	1940441359
SNP_P1_178102_383198	NW_004515794.1	Scaffold275	383198	CC	TT	1940441360
SNP_P1_178103_383211	NW_004515794.1	Scaffold275	383211	TT	CC	1940441361
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SNP_P1_178105_383223	NW_004515794.1	Scaffold275	383223	GG	AA	1940441363
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SNP_P1_178108_399537	NW_004515794.1	Scaffold275	399537	CC	TT	1940441366
SNP_P1_178109_403851	NW_004515794.1	Scaffold275	403851	TT	CC	1940441367
SNP_P1_178110_403927	NW_004515794.1	Scaffold275	403927	CC	TT	1940441368
SNP_P1_178111_405116	NW_004515794.1	Scaffold275	405116	TT	CC	1940441369
SNP_P1_178112_405254	NW_004515794.1	Scaffold275	405254	AA	CC	1940441370
SNP_P1_178113_405263	NW_004515794.1	Scaffold275	405263	AA	GG	1940441371

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178115_405349	NW_004515794.1	Scaffold275	405349	AA	GG	1940441373
SNP_P1_178116_405765	NW_004515794.1	Scaffold275	405765	AA	CC	1940441374
SNP_P1_178117_405774	NW_004515794.1	Scaffold275	405774	CC	GG	1940441375
SNP_P1_178118_405778	NW_004515794.1	Scaffold275	405778	CC	TT	1940441376
SNP_P1_178119_405781	NW_004515794.1	Scaffold275	405781	CC	GG	1940441377
SNP_P1_178120_406314	NW_004515794.1	Scaffold275	406314	CC	GG	1940441378
SNP_P1_178121_406325	NW_004515794.1	Scaffold275	406325	TT	GG	1940441379
SNP_P1_178122_406347	NW_004515794.1	Scaffold275	406347	TT	GG	1940441380
SNP_P1_178123_406462	NW_004515794.1	Scaffold275	406462	CC	GG	1940441381
SNP_P1_178124_406775	NW_004515794.1	Scaffold275	406775	AA	TT	1940441382
SNP_P1_178125_408477	NW_004515794.1	Scaffold275	408477	TT	GG	1940441383
SNP_P1_178126_409933	NW_004515794.1	Scaffold275	409933	TT	CC	1940441384
SNP_P1_178127_409945	NW_004515794.1	Scaffold275	409945	GG	TT	1940441385
SNP_P1_178128_421168	NW_004515794.1	Scaffold275	421168	AA	GG	1940441386
SNP_P1_178129_423220	NW_004515794.1	Scaffold275	423220	TT	CC	1940441387
SNP_P1_178130_424633	NW_004515794.1	Scaffold275	424633	AA	TT	1940441388
SNP_P1_178131_431339	NW_004515794.1	Scaffold275	431339	TT	GG	1940441389
SNP_P1_178132_431354	NW_004515794.1	Scaffold275	431354	AA	GG	1940441390
SNP_P1_178133_433185	NW_004515794.1	Scaffold275	433185	CC	TT	1940441391
SNP_P1_178134_447498	NW_004515794.1	Scaffold275	447498	TT	GG	1940441392
SNP_P1_178135_448419	NW_004515794.1	Scaffold275	448419	GG	AA	1940441393
SNP_P1_178137_458243	NW_004515794.1	Scaffold275	458243	CC	TT	1940441394
SNP_P1_178138_460745	NW_004515794.1	Scaffold275	460745	GG	AA	1940441395
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SNP_P1_178140_461799	NW_004515794.1	Scaffold275	461799	TT	CC	1940441397
SNP_P1_178141_489133	NW_004515794.1	Scaffold275	489133	CC	AA	1940441398
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SNP_P1_178143_491337	NW_004515794.1	Scaffold275	491337	CC	AA	1940441400
SNP_P1_178144_491395	NW_004515794.1	Scaffold275	491395	GG	AA	1940441401
SNP_P1_178145_491432	NW_004515794.1	Scaffold275	491432	CC	TT	1940441402
SNP_P1_178146_491450	NW_004515794.1	Scaffold275	491450	CC	TT	1940441403
SNP_P1_178147_491544	NW_004515794.1	Scaffold275	491544	AA	TT	1940441404
SNP_P1_178148_491545	NW_004515794.1	Scaffold275	491545	TT	AA	1940441405
SNP_P1_178149_492057	NW_004515794.1	Scaffold275	492057	GG	AA	1940441406
SNP_P1_178150_492230	NW_004515794.1	Scaffold275	492230	CC	TT	1940441407
SNP_P1_178151_492232	NW_004515794.1	Scaffold275	492232	GG	AA	1940441408
SNP_P1_178152_492234	NW_004515794.1	Scaffold275	492234	CC	AA	1940441409
SNP_P1_178153_492290	NW_004515794.1	Scaffold275	492290	TT	AA	1940441410
SNP_P1_178154_492306	NW_004515794.1	Scaffold275	492306	AA	GG	1940441411
SNP_P1_178155_496388	NW_004515794.1	Scaffold275	496388	AA	GG	1940441412
SNP_P1_178156_498122	NW_004515794.1	Scaffold275	498122	AA	CC	1940441413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178158_528739	NW_004515794.1	Scaffold275	528739	TT	CC	1940441415
SNP_P1_178160_545445	NW_004515794.1	Scaffold275	545445	GG	AA	1940441416
SNP_P1_178161_546420	NW_004515794.1	Scaffold275	546420	CC	TT	1940441417
SNP_P1_178162_546635	NW_004515794.1	Scaffold275	546635	AA	GG	1940441418
SNP_P1_178163_546901	NW_004515794.1	Scaffold275	546901	TT	CC	1940441419
SNP_P1_178164_546942	NW_004515794.1	Scaffold275	546942	TT	CC	1940441420
SNP_P1_178165_546983	NW_004515794.1	Scaffold275	546983	GG	AA	1940441421
SNP_P1_178166_560568	NW_004515794.1	Scaffold275	560568	AA	GG	1940441422
SNP_P1_178167_560837	NW_004515794.1	Scaffold275	560837	AA	CC	1940441423
SNP_P1_178168_562303	NW_004515794.1	Scaffold275	562303	GG	CC	1940441424
SNP_P1_178169_562967	NW_004515794.1	Scaffold275	562967	TT	GG	1940441425
SNP_P1_178170_563020	NW_004515794.1	Scaffold275	563020	TT	CC	1940441426
SNP_P1_178171_563031	NW_004515794.1	Scaffold275	563031	AA	GG	1940441427
SNP_P1_178172_570142	NW_004515794.1	Scaffold275	570142	TT	CC	1940441428
SNP_P1_178173_577924	NW_004515794.1	Scaffold275	577924	AA	GG	1940441429
SNP_P1_178174_578238	NW_004515794.1	Scaffold275	578238	CC	TT	1940441430
SNP_P1_178175_579321	NW_004515794.1	Scaffold275	579321	TT	CC	1940441431
SNP_P1_178176_579323	NW_004515794.1	Scaffold275	579323	TT	AA	1940441432
SNP_P1_178177_581068	NW_004515794.1	Scaffold275	581068	TT	AA	1940441433
SNP_P1_178178_581078	NW_004515794.1	Scaffold275	581078	AA	TT	1940441434
SNP_P1_178179_581084	NW_004515794.1	Scaffold275	581084	AA	CC	1940441435
SNP_P1_178180_586153	NW_004515794.1	Scaffold275	586153	TT	CC	1940441436
SNP_P1_178181_586290	NW_004515794.1	Scaffold275	586290	AA	CC	1940441437
SNP_P1_178182_586311	NW_004515794.1	Scaffold275	586311	AA	GG	1940441438
SNP_P1_178183_586593	NW_004515794.1	Scaffold275	586593	TT	CC	1940441439
SNP_P1_178184_587710	NW_004515794.1	Scaffold275	587710	TT	CC	1940441440
SNP_P1_178185_607272	NW_004515794.1	Scaffold275	607272	TT	CC	1940441441
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SNP_P1_178187_607341	NW_004515794.1	Scaffold275	607341	GG	TT	1940441443
SNP_P1_178188_612214	NW_004515794.1	Scaffold275	612214	GG	CC	1940441444
SNP_P1_178189_620837	NW_004515794.1	Scaffold275	620837	CC	TT	1940441445
SNP_P1_178190_622310	NW_004515794.1	Scaffold275	622310	AA	TT	1940441446
SNP_P1_178191_624306	NW_004515794.1	Scaffold275	624306	TT	AA	1940441447
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SNP_P1_178193_624732	NW_004515794.1	Scaffold275	624732	GG	TT	1940441449
SNP_P1_178194_624975	NW_004515794.1	Scaffold275	624975	TT	AA	1940441450
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SNP_P1_178198_634967	NW_004515794.1	Scaffold275	634967	GG	TT	1940441453
SNP_P1_178199_636739	NW_004515794.1	Scaffold275	636739	AA	GG	1940441454
SNP_P1_178200_647937	NW_004515794.1	Scaffold275	647937	GG	TT	1940441455

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178203_648909	NW_004515794.1	Scaffold275	648909	AA	CC	1940441458
SNP_P1_178204_649260	NW_004515794.1	Scaffold275	649260	TT	CC	1940441459
SNP_P1_178205_649293	NW_004515794.1	Scaffold275	649293	AA	TT	1940441460
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SNP_P1_178207_655862	NW_004515794.1	Scaffold275	655862	GG	AA	1940441462
SNP_P1_178208_656871	NW_004515794.1	Scaffold275	656871	GG	TT	1940441463
SNP_P1_178209_666360	NW_004515794.1	Scaffold275	666360	AA	GG	1940441464
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SNP_P1_178211_674562	NW_004515794.1	Scaffold275	674562	AA	GG	1940441466
SNP_P1_178212_674597	NW_004515794.1	Scaffold275	674597	GG	AA	1940441467
SNP_P1_178213_681083	NW_004515794.1	Scaffold275	681083	CC	TT	1940441468
SNP_P1_178214_681340	NW_004515794.1	Scaffold275	681340	TT	CC	1940441469
SNP_P1_178215_686551	NW_004515794.1	Scaffold275	686551	TT	CC	1940441470
SNP_P1_178216_686552	NW_004515794.1	Scaffold275	686552	GG	AA	1940441471
SNP_P1_178217_686554	NW_004515794.1	Scaffold275	686554	GG	TT	1940441472
SNP_P1_178218_686999	NW_004515794.1	Scaffold275	686999	AA	GG	1940441473
SNP_P1_178219_687215	NW_004515794.1	Scaffold275	687215	CC	TT	1940441474
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SNP_P1_178224_690238	NW_004515794.1	Scaffold275	690238	GG	TT	1940441478
SNP_P1_178225_716669	NW_004515794.1	Scaffold275	716669	AA	TT	1940441479
SNP_P1_178226_716671	NW_004515794.1	Scaffold275	716671	GG	TT	1940441480
SNP_P1_178227_716677	NW_004515794.1	Scaffold275	716677	GG	AA	1940441481
SNP_P1_178228_716678	NW_004515794.1	Scaffold275	716678	CC	TT	1940441482
SNP_P1_178229_716679	NW_004515794.1	Scaffold275	716679	CC	AA	1940441483
SNP_P1_178230_716686	NW_004515794.1	Scaffold275	716686	GG	AA	1940441484
SNP_P1_178231_717275	NW_004515794.1	Scaffold275	717275	TT	AA	1940441485
SNP_P1_178232_717803	NW_004515794.1	Scaffold275	717803	CC	AA	1940441486
SNP_P1_178233_728598	NW_004515794.1	Scaffold275	728598	TT	AA	1940441487
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SNP_P1_178237_729122	NW_004515794.1	Scaffold275	729122	TT	CC	1940441490
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SNP_P1_178239_729135	NW_004515794.1	Scaffold275	729135	AA	GG	1940441492
SNP_P1_178240_729136	NW_004515794.1	Scaffold275	729136	CC	AA	1940441494
SNP_P1_178241_729139	NW_004515794.1	Scaffold275	729139	CC	TT	1940441495
SNP_P1_178242_729145	NW_004515794.1	Scaffold275	729145	AA	GG	1940441496
SNP_P1_178243_729162	NW_004515794.1	Scaffold275	729162	TT	AA	1940441497
SNP_P1_178244_729184	NW_004515794.1	Scaffold275	729184	GG	TT	1940441498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178247_748846	NW_004515794.1	Scaffold275	748846	GG	AA	1940441501
SNP_P1_178248_749219	NW_004515794.1	Scaffold275	749219	GG	AA	1940441502
SNP_P1_178249_749222	NW_004515794.1	Scaffold275	749222	TT	GG	1940441503
SNP_P1_178250_749313	NW_004515794.1	Scaffold275	749313	GG	TT	1940441504
SNP_P1_178251_758498	NW_004515794.1	Scaffold275	758498	CC	GG	1940441505
SNP_P1_178252_758512	NW_004515794.1	Scaffold275	758512	TT	CC	1940441506
SNP_P1_178254_761506	NW_004515794.1	Scaffold275	761506	TT	AA	1940441507
SNP_P1_178255_770375	NW_004515794.1	Scaffold275	770375	TT	AA	1940441508
SNP_P1_178256_781095	NW_004515794.1	Scaffold275	781095	GG	TT	1940441509
SNP_P1_178257_781109	NW_004515794.1	Scaffold275	781109	CC	TT	1940441510
SNP_P1_178258_781135	NW_004515794.1	Scaffold275	781135	GG	AA	1940441511
SNP_P1_178259_781149	NW_004515794.1	Scaffold275	781149	CC	AA	1940441512
SNP_P1_178260_781174	NW_004515794.1	Scaffold275	781174	AA	GG	1940441513
SNP_P1_178261_781394	NW_004515794.1	Scaffold275	781394	TT	AA	1940441514
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SNP_P1_178263_781420	NW_004515794.1	Scaffold275	781420	AA	CC	1940441516
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SNP_P1_178275_783257	NW_004515794.1	Scaffold275	783257	GG	AA	1940441528
SNP_P1_178276_783272	NW_004515794.1	Scaffold275	783272	AA	GG	1940441529
SNP_P1_178277_783287	NW_004515794.1	Scaffold275	783287	CC	AA	1940441530
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SNP_P1_178279_797836	NW_004515794.1	Scaffold275	797836	AA	GG	1940441532
SNP_P1_178281_798193	NW_004515794.1	Scaffold275	798193	CC	AA	1940441533
SNP_P1_178282_798214	NW_004515794.1	Scaffold275	798214	AA	CC	1940441534
SNP_P1_178283_798221	NW_004515794.1	Scaffold275	798221	AA	GG	1940441535
SNP_P1_178284_798347	NW_004515794.1	Scaffold275	798347	CC	AA	1940441536
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SNP_P1_178286_799224	NW_004515794.1	Scaffold275	799224	GG	AA	1940441538
SNP_P1_178287_799494	NW_004515794.1	Scaffold275	799494	AA	TT	1940441539
SNP_P1_178288_799544	NW_004515794.1	Scaffold275	799544	TT	GG	1940441540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178290_802641	NW_004515794.1	Scaffold275	802641	TT	GG	1940441542
SNP_P1_178291_802652	NW_004515794.1	Scaffold275	802652	TT	AA	1940441543
SNP_P1_178292_804859	NW_004515794.1	Scaffold275	804859	CC	GG	1940441544
SNP_P1_178294_812186	NW_004515794.1	Scaffold275	812186	GG	AA	1940441545
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SNP_P1_178296_812275	NW_004515794.1	Scaffold275	812275	GG	AA	1940441547
SNP_P1_178297_812361	NW_004515794.1	Scaffold275	812361	TT	AA	1940441548
SNP_P1_178298_812587	NW_004515794.1	Scaffold275	812587	TT	CC	1940441549
SNP_P1_178299_812608	NW_004515794.1	Scaffold275	812608	CC	TT	1940441550
SNP_P1_178300_812661	NW_004515794.1	Scaffold275	812661	GG	CC	1940441551
SNP_P1_178301_812688	NW_004515794.1	Scaffold275	812688	TT	GG	1940441552
SNP_P1_178302_812717	NW_004515794.1	Scaffold275	812717	CC	TT	1940441553
SNP_P1_178303_812718	NW_004515794.1	Scaffold275	812718	CC	TT	1940441554
SNP_P1_178304_813626	NW_004515794.1	Scaffold275	813626	CC	AA	1940441555
SNP_P1_178305_813747	NW_004515794.1	Scaffold275	813747	AA	CC	1940441556
SNP_P1_178306_1193	NW_004515795.1	Scaffold276	1193	CC	TT	1940441557
SNP_P1_178307_1230	NW_004515795.1	Scaffold276	1230	AA	CC	1940441558
SNP_P1_178308_1256	NW_004515795.1	Scaffold276	1256	GG	AA	1940441559
SNP_P1_178309_1301	NW_004515795.1	Scaffold276	1301	TT	CC	1940441560
SNP_P1_178311_13492	NW_004515795.1	Scaffold276	13492	GG	AA	1940441561
SNP_P1_178312_21571	NW_004515795.1	Scaffold276	21571	TT	CC	1940441562
SNP_P1_178313_21827	NW_004515795.1	Scaffold276	21827	AA	GG	1940441563
SNP_P1_178314_21847	NW_004515795.1	Scaffold276	21847	AA	GG	1940441564
SNP_P1_178315_50514	NW_004515795.1	Scaffold276	50514	AA	CC	1940441565
SNP_P1_178316_50781	NW_004515795.1	Scaffold276	50781	GG	AA	1940441566
SNP_P1_178317_50828	NW_004515795.1	Scaffold276	50828	AA	GG	1940441567
SNP_P1_178318_53120	NW_004515795.1	Scaffold276	53120	TT	GG	1940441568
SNP_P1_178319_53364	NW_004515795.1	Scaffold276	53364	CC	TT	1940441569
SNP_P1_178320_69477	NW_004515795.1	Scaffold276	69477	AA	GG	1940441570
SNP_P1_178321_483	NW_004515796.1	Scaffold277	483	GG	TT	1940441571
SNP_P1_178322_642	NW_004515796.1	Scaffold277	642	GG	AA	1940441572
SNP_P1_178323_675	NW_004515796.1	Scaffold277	675	GG	TT	1940441573
SNP_P1_178324_729	NW_004515796.1	Scaffold277	729	CC	TT	1940441574
SNP_P1_178325_823	NW_004515796.1	Scaffold277	823	TT	GG	1940441575
SNP_P1_178326_873	NW_004515796.1	Scaffold277	873	AA	GG	1940441576
SNP_P1_178327_879	NW_004515796.1	Scaffold277	879	AA	GG	1940441577
SNP_P1_178328_975	NW_004515796.1	Scaffold277	975	TT	CC	1940441578
SNP_P1_178329_1486	NW_004515796.1	Scaffold277	1486	GG	AA	1940441579
SNP_P1_178330_1514	NW_004515796.1	Scaffold277	1514	TT	CC	1940441580
SNP_P1_178331_1596	NW_004515796.1	Scaffold277	1596	AA	CC	1940441581
SNP_P1_178332_3519	NW_004515796.1	Scaffold277	3519	TT	CC	1940441582

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178334_4322	NW_004515796.1	Scaffold277	4322	AA	GG	1940441584
SNP_P1_178336_4504	NW_004515796.1	Scaffold277	4504	GG	AA	1940441585
SNP_P1_178338_4612	NW_004515796.1	Scaffold277	4612	AA	TT	1940441586
SNP_P1_178339_4781	NW_004515796.1	Scaffold277	4781	AA	GG	1940441587
SNP_P1_178341_4929	NW_004515796.1	Scaffold277	4929	CC	GG	1940441588
SNP_P1_178342_5231	NW_004515796.1	Scaffold277	5231	CC	GG	1940441589
SNP_P1_178343_5290	NW_004515796.1	Scaffold277	5290	AA	GG	1940441590
SNP_P1_178344_5326	NW_004515796.1	Scaffold277	5326	GG	AA	1940441591
SNP_P1_178345_5363	NW_004515796.1	Scaffold277	5363	AA	TT	1940441592
SNP_P1_178346_5367	NW_004515796.1	Scaffold277	5367	AA	TT	1940441593
SNP_P1_178347_5419	NW_004515796.1	Scaffold277	5419	TT	CC	1940441594
SNP_P1_178348_5467	NW_004515796.1	Scaffold277	5467	TT	CC	1940441595
SNP_P1_178349_5483	NW_004515796.1	Scaffold277	5483	GG	AA	1940441596
SNP_P1_178350_5488	NW_004515796.1	Scaffold277	5488	CC	AA	1940441597
SNP_P1_178351_5501	NW_004515796.1	Scaffold277	5501	GG	TT	1940441598
SNP_P1_178352_5502	NW_004515796.1	Scaffold277	5502	GG	AA	1940441599
SNP_P1_178353_5579	NW_004515796.1	Scaffold277	5579	TT	CC	1940441600
SNP_P1_178354_18779	NW_004515796.1	Scaffold277	18779	CC	AA	1940441601
SNP_P1_178355_57283	NW_004515796.1	Scaffold277	57283	TT	CC	1940441602
SNP_P1_178356_59703	NW_004515796.1	Scaffold277	59703	GG	AA	1940441603
SNP_P1_178357_59710	NW_004515796.1	Scaffold277	59710	GG	AA	1940441604
SNP_P1_178358_59711	NW_004515796.1	Scaffold277	59711	CC	AA	1940441605
SNP_P1_178359_60497	NW_004515796.1	Scaffold277	60497	TT	CC	1940441606
SNP_P1_178360_60583	NW_004515796.1	Scaffold277	60583	AA	GG	1940441607
SNP_P1_178361_60596	NW_004515796.1	Scaffold277	60596	AA	GG	1940441608
SNP_P1_178362_60971	NW_004515796.1	Scaffold277	60971	TT	GG	1940441609
SNP_P1_178363_63176	NW_004515796.1	Scaffold277	63176	CC	AA	1940441610
SNP_P1_178364_65691	NW_004515796.1	Scaffold277	65691	AA	CC	1940441611
SNP_P1_178365_65765	NW_004515796.1	Scaffold277	65765	GG	CC	1940441612
SNP_P1_178366_72443	NW_004515796.1	Scaffold277	72443	AA	GG	1940441613
SNP_P1_178367_77075	NW_004515796.1	Scaffold277	77075	TT	GG	1940441614
SNP_P1_178368_79171	NW_004515796.1	Scaffold277	79171	AA	GG	1940441615
SNP_P1_178369_79211	NW_004515796.1	Scaffold277	79211	TT	CC	1940441616
SNP_P1_178370_79334	NW_004515796.1	Scaffold277	79334	AA	CC	1940441617
SNP_P1_178371_79360	NW_004515796.1	Scaffold277	79360	CC	AA	1940441618
SNP_P1_178372_79398	NW_004515796.1	Scaffold277	79398	GG	AA	1940441619
SNP_P1_178373_79414	NW_004515796.1	Scaffold277	79414	AA	GG	1940441620
SNP_P1_178374_79504	NW_004515796.1	Scaffold277	79504	TT	GG	1940441621
SNP_P1_178375_79512	NW_004515796.1	Scaffold277	79512	TT	GG	1940441622
SNP_P1_178376_79559	NW_004515796.1	Scaffold277	79559	GG	TT	1940441623
SNP_P1_178377_79713	NW_004515796.1	Scaffold277	79713	CC	AA	1940441624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178379_79947	NW_004515796.1	Scaffold277	79947	TT	GG	1940441626
SNP_P1_178380_82615	NW_004515796.1	Scaffold277	82615	GG	AA	1940441627
SNP_P1_178381_108794	NW_004515796.1	Scaffold277	108794	GG	AA	1940441628
SNP_P1_178382_132331	NW_004515796.1	Scaffold277	132331	TT	CC	1940441629
SNP_P1_178383_132337	NW_004515796.1	Scaffold277	132337	TT	CC	1940441630
SNP_P1_178384_132341	NW_004515796.1	Scaffold277	132341	AA	GG	1940441631
SNP_P1_178385_132355	NW_004515796.1	Scaffold277	132355	AA	TT	1940441632
SNP_P1_178386_132391	NW_004515796.1	Scaffold277	132391	TT	CC	1940441633
SNP_P1_178387_133884	NW_004515796.1	Scaffold277	133884	AA	GG	1940441634
SNP_P1_178388_137556	NW_004515796.1	Scaffold277	137556	CC	TT	1940441635
SNP_P1_178389_142834	NW_004515796.1	Scaffold277	142834	TT	AA	1940441636
SNP_P1_178390_144984	NW_004515796.1	Scaffold277	144984	CC	TT	1940441637
SNP_P1_178392_165452	NW_004515796.1	Scaffold277	165452	GG	CC	1940441638
SNP_P1_178393_165750	NW_004515796.1	Scaffold277	165750	GG	TT	1940441639
SNP_P1_178394_165758	NW_004515796.1	Scaffold277	165758	AA	TT	1940441640
SNP_P1_178395_165825	NW_004515796.1	Scaffold277	165825	GG	TT	1940441641
SNP_P1_178396_165865	NW_004515796.1	Scaffold277	165865	TT	AA	1940441642
SNP_P1_178397_165979	NW_004515796.1	Scaffold277	165979	TT	GG	1940441644
SNP_P1_178398_166003	NW_004515796.1	Scaffold277	166003	AA	TT	1940441645
SNP_P1_178399_166230	NW_004515796.1	Scaffold277	166230	TT	AA	1940441646
SNP_P1_178401_185172	NW_004515796.1	Scaffold277	185172	AA	GG	1940441647
SNP_P1_178402_185189	NW_004515796.1	Scaffold277	185189	TT	GG	1940441648
SNP_P1_178403_188835	NW_004515796.1	Scaffold277	188835	CC	AA	1940441649
SNP_P1_178404_189667	NW_004515796.1	Scaffold277	189667	GG	TT	1940441650
SNP_P1_178406_201691	NW_004515796.1	Scaffold277	201691	TT	CC	1940441651
SNP_P1_178407_201940	NW_004515796.1	Scaffold277	201940	AA	GG	1940441652
SNP_P1_178408_202038	NW_004515796.1	Scaffold277	202038	AA	CC	1940441653
SNP_P1_178409_202286	NW_004515796.1	Scaffold277	202286	CC	TT	1940441654
SNP_P1_178410_202299	NW_004515796.1	Scaffold277	202299	AA	GG	1940441655
SNP_P1_178411_202539	NW_004515796.1	Scaffold277	202539	AA	GG	1940441656
SNP_P1_178412_202681	NW_004515796.1	Scaffold277	202681	TT	AA	1940441657
SNP_P1_178413_202716	NW_004515796.1	Scaffold277	202716	CC	TT	1940441658
SNP_P1_178414_202794	NW_004515796.1	Scaffold277	202794	GG	AA	1940441659
SNP_P1_178415_202796	NW_004515796.1	Scaffold277	202796	AA	GG	1940441660
SNP_P1_178416_202812	NW_004515796.1	Scaffold277	202812	AA	GG	1940441661
SNP_P1_178417_202839	NW_004515796.1	Scaffold277	202839	AA	GG	1940441662
SNP_P1_178418_202880	NW_004515796.1	Scaffold277	202880	TT	GG	1940441663
SNP_P1_178419_202903	NW_004515796.1	Scaffold277	202903	GG	AA	1940441664
SNP_P1_178420_203032	NW_004515796.1	Scaffold277	203032	AA	GG	1940441665
SNP_P1_178421_203096	NW_004515796.1	Scaffold277	203096	AA	TT	1940441666
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178424_205116	NW_004515796.1	Scaffold277	205116	TT	CC	1940441669
SNP_P1_178425_205166	NW_004515796.1	Scaffold277	205166	GG	TT	1940441670
SNP_P1_178426_205179	NW_004515796.1	Scaffold277	205179	AA	GG	1940441671
SNP_P1_178427_205331	NW_004515796.1	Scaffold277	205331	TT	CC	1940441672
SNP_P1_178428_205337	NW_004515796.1	Scaffold277	205337	TT	CC	1940441673
SNP_P1_178429_205353	NW_004515796.1	Scaffold277	205353	CC	TT	1940441674
SNP_P1_178431_205416	NW_004515796.1	Scaffold277	205416	TT	CC	1940441675
SNP_P1_178433_205769	NW_004515796.1	Scaffold277	205769	TT	AA	1940441676
SNP_P1_178434_205770	NW_004515796.1	Scaffold277	205770	CC	TT	1940441677
SNP_P1_178435_205799	NW_004515796.1	Scaffold277	205799	AA	GG	1940441678
SNP_P1_178436_209324	NW_004515796.1	Scaffold277	209324	TT	CC	1940441679
SNP_P1_178437_210904	NW_004515796.1	Scaffold277	210904	AA	GG	1940441680
SNP_P1_178438_211021	NW_004515796.1	Scaffold277	211021	GG	TT	1940441681
SNP_P1_178439_211032	NW_004515796.1	Scaffold277	211032	GG	AA	1940441682
SNP_P1_178441_214606	NW_004515796.1	Scaffold277	214606	TT	GG	1940441683
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SNP_P1_178445_218714	NW_004515796.1	Scaffold277	218714	GG	AA	1940441687
SNP_P1_178446_218762	NW_004515796.1	Scaffold277	218762	AA	CC	1940441688
SNP_P1_178447_219521	NW_004515796.1	Scaffold277	219521	GG	AA	1940441689
SNP_P1_178448_219641	NW_004515796.1	Scaffold277	219641	GG	TT	1940441690
SNP_P1_178449_236240	NW_004515796.1	Scaffold277	236240	GG	AA	1940441691
SNP_P1_178450_247178	NW_004515796.1	Scaffold277	247178	AA	CC	1940441692
SNP_P1_178451_247438	NW_004515796.1	Scaffold277	247438	AA	TT	1940441693
SNP_P1_178452_247446	NW_004515796.1	Scaffold277	247446	CC	TT	1940441694
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SNP_P1_178454_252007	NW_004515796.1	Scaffold277	252007	AA	TT	1940441696
SNP_P1_178455_252022	NW_004515796.1	Scaffold277	252022	TT	CC	1940441697
SNP_P1_178456_252042	NW_004515796.1	Scaffold277	252042	GG	AA	1940441698
SNP_P1_178457_252096	NW_004515796.1	Scaffold277	252096	CC	TT	1940441699
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SNP_P1_178459_252147	NW_004515796.1	Scaffold277	252147	TT	AA	1940441701
SNP_P1_178460_252155	NW_004515796.1	Scaffold277	252155	CC	TT	1940441702
SNP_P1_178461_252175	NW_004515796.1	Scaffold277	252175	TT	CC	1940441703
SNP_P1_178462_252220	NW_004515796.1	Scaffold277	252220	CC	AA	1940441704
SNP_P1_178463_252352	NW_004515796.1	Scaffold277	252352	AA	GG	1940441705
SNP_P1_178464_252378	NW_004515796.1	Scaffold277	252378	GG	AA	1940441706
SNP_P1_178466_252496	NW_004515796.1	Scaffold277	252496	AA	GG	1940441707
SNP_P1_178467_252622	NW_004515796.1	Scaffold277	252622	TT	CC	1940441708
SNP_P1_178468_252935	NW_004515796.1	Scaffold277	252935	AA	TT	1940441709

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SNP_P1_178470_397	NW_004515797.1	Scaffold280	397	CC	AA	1940441711
SNP_P1_178471_5176	NW_004515797.1	Scaffold280	5176	TT	AA	1940441712
SNP_P1_178472_5203	NW_004515797.1	Scaffold280	5203	CC	AA	1940441713
SNP_P1_178473_5220	NW_004515797.1	Scaffold280	5220	TT	CC	1940441714
SNP_P1_178474_5228	NW_004515797.1	Scaffold280	5228	GG	AA	1940441715
SNP_P1_178475_5242	NW_004515797.1	Scaffold280	5242	GG	TT	1940441716
SNP_P1_178476_6449	NW_004515797.1	Scaffold280	6449	CC	TT	1940441717
SNP_P1_178477_10290	NW_004515797.1	Scaffold280	10290	TT	AA	1940441718
SNP_P1_178478_10581	NW_004515797.1	Scaffold280	10581	AA	CC	1940441719
SNP_P1_178479_10629	NW_004515797.1	Scaffold280	10629	CC	AA	1940441720
SNP_P1_178480_10664	NW_004515797.1	Scaffold280	10664	TT	CC	1940441721
SNP_P1_178481_10957	NW_004515797.1	Scaffold280	10957	AA	CC	1940441722
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SNP_P1_178484_13462	NW_004515797.1	Scaffold280	13462	AA	CC	1940441725
SNP_P1_178485_13463	NW_004515797.1	Scaffold280	13463	CC	GG	1940441726
SNP_P1_178488_15581	NW_004515797.1	Scaffold280	15581	CC	AA	1940441727
SNP_P1_178489_15602	NW_004515797.1	Scaffold280	15602	CC	AA	1940441728
SNP_P1_178490_17601	NW_004515797.1	Scaffold280	17601	CC	TT	1940441729
SNP_P1_178491_17639	NW_004515797.1	Scaffold280	17639	TT	AA	1940441730
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SNP_P1_178495_17743	NW_004515797.1	Scaffold280	17743	GG	AA	1940441734
SNP_P1_178496_17755	NW_004515797.1	Scaffold280	17755	AA	GG	1940441735
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SNP_P1_178498_17898	NW_004515797.1	Scaffold280	17898	AA	TT	1940441737
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SNP_P1_178500_17936	NW_004515797.1	Scaffold280	17936	TT	AA	1940441739
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SNP_P1_178502_17976	NW_004515797.1	Scaffold280	17976	CC	AA	1940441741
SNP_P1_178503_17984	NW_004515797.1	Scaffold280	17984	AA	GG	1940441742
SNP_P1_178504_18017	NW_004515797.1	Scaffold280	18017	TT	CC	1940441743
SNP_P1_178505_18020	NW_004515797.1	Scaffold280	18020	GG	CC	1940441744
SNP_P1_178506_23337	NW_004515797.1	Scaffold280	23337	GG	AA	1940441745
SNP_P1_178507_35056	NW_004515797.1	Scaffold280	35056	AA	GG	1940441746
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SNP_P1_178510_35318	NW_004515797.1	Scaffold280	35318	AA	TT	1940441749
SNP_P1_178511_47771	NW_004515797.1	Scaffold280	47771	CC	GG	1940441750
SNP_P1_178512_47777	NW_004515797.1	Scaffold280	47777	TT	CC	1940441751

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_178514_58573	NW_004515797.1	Scaffold280	58573	AA	CC	1940441752
SNP_P1_178515_61287	NW_004515797.1	Scaffold280	61287	AA	CC	1940441753
SNP_P1_178516_61291	NW_004515797.1	Scaffold280	61291	TT	CC	1940441754
SNP_P1_178517_61294	NW_004515797.1	Scaffold280	61294	AA	TT	1940441755
SNP_P1_178518_61321	NW_004515797.1	Scaffold280	61321	CC	TT	1940441756
SNP_P1_178519_61333	NW_004515797.1	Scaffold280	61333	AA	TT	1940441757
SNP_P1_178520_61339	NW_004515797.1	Scaffold280	61339	CC	AA	1940441758
SNP_P1_178521_61348	NW_004515797.1	Scaffold280	61348	CC	AA	1940441759
SNP_P1_178522_61452	NW_004515797.1	Scaffold280	61452	GG	AA	1940441760
SNP_P1_178523_61486	NW_004515797.1	Scaffold280	61486	CC	TT	1940441761
SNP_P1_178524_61807	NW_004515797.1	Scaffold280	61807	GG	CC	1940441762
SNP_P1_178525_62526	NW_004515797.1	Scaffold280	62526	CC	AA	1940441763
SNP_P1_178526_68922	NW_004515797.1	Scaffold280	68922	AA	CC	1940441764
SNP_P1_178527_70536	NW_004515797.1	Scaffold280	70536	AA	TT	1940441765
SNP_P1_178528_70549	NW_004515797.1	Scaffold280	70549	GG	TT	1940441766
SNP_P1_178529_70571	NW_004515797.1	Scaffold280	70571	AA	GG	1940441767
SNP_P1_178530_73649	NW_004515797.1	Scaffold280	73649	TT	CC	1940441768
SNP_P1_178531_73659	NW_004515797.1	Scaffold280	73659	GG	TT	1940441769
SNP_P1_178532_73675	NW_004515797.1	Scaffold280	73675	GG	CC	1940441770
SNP_P1_178533_73740	NW_004515797.1	Scaffold280	73740	CC	TT	1940441771
SNP_P1_178534_73775	NW_004515797.1	Scaffold280	73775	TT	CC	1940441772
SNP_P1_178535_74198	NW_004515797.1	Scaffold280	74198	TT	CC	1940441773
SNP_P1_178536_74205	NW_004515797.1	Scaffold280	74205	TT	CC	1940441774
SNP_P1_178537_74222	NW_004515797.1	Scaffold280	74222	CC	AA	1940441775
SNP_P1_178538_74245	NW_004515797.1	Scaffold280	74245	TT	GG	1940441776
SNP_P1_178539_74248	NW_004515797.1	Scaffold280	74248	TT	CC	1940441777
SNP_P1_178540_77324	NW_004515797.1	Scaffold280	77324	GG	AA	1940441778
SNP_P1_178541_77344	NW_004515797.1	Scaffold280	77344	AA	TT	1940441779
SNP_P1_178542_77358	NW_004515797.1	Scaffold280	77358	TT	AA	1940441780
SNP_P1_178543_79300	NW_004515797.1	Scaffold280	79300	AA	CC	1940441781
SNP_P1_178546_83350	NW_004515797.1	Scaffold280	83350	CC	AA	1940441782
SNP_P1_178547_83355	NW_004515797.1	Scaffold280	83355	TT	AA	1940441783
SNP_P1_178548_83396	NW_004515797.1	Scaffold280	83396	AA	CC	1940441784
SNP_P1_178549_83437	NW_004515797.1	Scaffold280	83437	AA	CC	1940441785
SNP_P1_178551_92653	NW_004515797.1	Scaffold280	92653	TT	AA	1940441786
SNP_P1_178552_97919	NW_004515797.1	Scaffold280	97919	CC	AA	1940441787
SNP_P1_178553_97931	NW_004515797.1	Scaffold280	97931	TT	GG	1940441788
SNP_P1_178554_97943	NW_004515797.1	Scaffold280	97943	TT	GG	1940441789
SNP_P1_178555_97957	NW_004515797.1	Scaffold280	97957	TT	AA	1940441790
SNP_P1_178556_97959	NW_004515797.1	Scaffold280	97959	TT	GG	1940441791
SNP_P1_178557_97978	NW_004515797.1	Scaffold280	97978	TT	CC	1940441793
SNP_P1_178558_97995	NW_004515797.1	Scaffold280	97995	TT	CC	1940441794

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_178559_98175	NW_004515797.1	Scaffold280	98175	AA	CC	1940441795
SNP_P1_178560_98417	NW_004515797.1	Scaffold280	98417	AA	CC	1940441796
SNP_P1_178563_106204	NW_004515797.1	Scaffold280	106204	TT	AA	1940441797
SNP_P1_178564_106224	NW_004515797.1	Scaffold280	106224	AA	GG	1940441798
SNP_P1_178565_106241	NW_004515797.1	Scaffold280	106241	AA	GG	1940441799
SNP_P1_178566_106523	NW_004515797.1	Scaffold280	106523	TT	CC	1940441800
SNP_P1_178567_106554	NW_004515797.1	Scaffold280	106554	TT	AA	1940441801
SNP_P1_178568_106581	NW_004515797.1	Scaffold280	106581	TT	CC	1940441802
SNP_P1_178570_107588	NW_004515797.1	Scaffold280	107588	AA	GG	1940441803
SNP_P1_178571_107713	NW_004515797.1	Scaffold280	107713	TT	GG	1940441804
SNP_P1_178572_107734	NW_004515797.1	Scaffold280	107734	AA	CC	1940441805
SNP_P1_178573_107758	NW_004515797.1	Scaffold280	107758	AA	GG	1940441806
SNP_P1_178574_107794	NW_004515797.1	Scaffold280	107794	TT	CC	1940441807
SNP_P1_178575_107841	NW_004515797.1	Scaffold280	107841	TT	GG	1940441808
SNP_P1_178576_108030	NW_004515797.1	Scaffold280	108030	AA	TT	1940441809
SNP_P1_178577_108043	NW_004515797.1	Scaffold280	108043	AA	GG	1940441810
SNP_P1_178578_108048	NW_004515797.1	Scaffold280	108048	AA	CC	1940441811
SNP_P1_178579_108185	NW_004515797.1	Scaffold280	108185	GG	CC	1940441812
SNP_P1_178580_110262	NW_004515797.1	Scaffold280	110262	AA	GG	1940441813
SNP_P1_178581_110356	NW_004515797.1	Scaffold280	110356	TT	CC	1940441814
SNP_P1_178582_112047	NW_004515797.1	Scaffold280	112047	AA	GG	1940441815
SNP_P1_178583_112072	NW_004515797.1	Scaffold280	112072	CC	AA	1940441816
SNP_P1_178584_112108	NW_004515797.1	Scaffold280	112108	GG	AA	1940441817
SNP_P1_178585_112145	NW_004515797.1	Scaffold280	112145	AA	GG	1940441818
SNP_P1_178586_113381	NW_004515797.1	Scaffold280	113381	AA	TT	1940441819
SNP_P1_178587_113385	NW_004515797.1	Scaffold280	113385	TT	GG	1940441820
SNP_P1_178588_113428	NW_004515797.1	Scaffold280	113428	GG	TT	1940441821
SNP_P1_178589_113440	NW_004515797.1	Scaffold280	113440	TT	GG	1940441822
SNP_P1_178590_113463	NW_004515797.1	Scaffold280	113463	AA	GG	1940441823
SNP_P1_178591_113514	NW_004515797.1	Scaffold280	113514	TT	GG	1940441824
SNP_P1_178592_113527	NW_004515797.1	Scaffold280	113527	AA	CC	1940441825
SNP_P1_178593_113567	NW_004515797.1	Scaffold280	113567	CC	GG	1940441826
SNP_P1_178594_113783	NW_004515797.1	Scaffold280	113783	AA	GG	1940441827
SNP_P1_178595_113826	NW_004515797.1	Scaffold280	113826	AA	GG	1940441828
SNP_P1_178596_113883	NW_004515797.1	Scaffold280	113883	AA	GG	1940441829
SNP_P1_178597_114202	NW_004515797.1	Scaffold280	114202	AA	GG	1940441830
SNP_P1_178599_114783	NW_004515797.1	Scaffold280	114783	TT	AA	1940441831
SNP_P1_178600_114799	NW_004515797.1	Scaffold280	114799	TT	CC	1940441832
SNP_P1_178601_114817	NW_004515797.1	Scaffold280	114817	TT	CC	1940441833
SNP_P1_178602_114840	NW_004515797.1	Scaffold280	114840	AA	GG	1940441834
SNP_P1_178603_114920	NW_004515797.1	Scaffold280	114920	TT	CC	1940441835
SNP_P1_178604_114938	NW_004515797.1	Scaffold280	114938	AA	GG	1940441836

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_178605_115013	NW_004515797.1	Scaffold280	115013	GG	AA	1940441837
SNP_P1_178606_115105	NW_004515797.1	Scaffold280	115105	AA	GG	1940441838
SNP_P1_178607_115124	NW_004515797.1	Scaffold280	115124	AA	GG	1940441839
SNP_P1_178609_115195	NW_004515797.1	Scaffold280	115195	TT	CC	1940441840
SNP_P1_178610_115377	NW_004515797.1	Scaffold280	115377	AA	GG	1940441841
SNP_P1_178611_115460	NW_004515797.1	Scaffold280	115460	TT	CC	1940441842
SNP_P1_178612_115508	NW_004515797.1	Scaffold280	115508	AA	GG	1940441843
SNP_P1_178613_116800	NW_004515797.1	Scaffold280	116800	TT	CC	1940441844
SNP_P1_178614_116803	NW_004515797.1	Scaffold280	116803	AA	GG	1940441845
SNP_P1_178615_116899	NW_004515797.1	Scaffold280	116899	AA	CC	1940441846
SNP_P1_178616_116904	NW_004515797.1	Scaffold280	116904	TT	CC	1940441847
SNP_P1_178617_116930	NW_004515797.1	Scaffold280	116930	AA	GG	1940441848
SNP_P1_178619_118402	NW_004515797.1	Scaffold280	118402	AA	GG	1940441849
SNP_P1_178620_118610	NW_004515797.1	Scaffold280	118610	AA	CC	1940441850
SNP_P1_178621_118782	NW_004515797.1	Scaffold280	118782	TT	CC	1940441851
SNP_P1_178622_118823	NW_004515797.1	Scaffold280	118823	AA	GG	1940441852
SNP_P1_178623_118904	NW_004515797.1	Scaffold280	118904	TT	CC	1940441853
SNP_P1_178625_118947	NW_004515797.1	Scaffold280	118947	AA	CC	1940441854
SNP_P1_178626_119037	NW_004515797.1	Scaffold280	119037	GG	CC	1940441855
SNP_P1_178627_119045	NW_004515797.1	Scaffold280	119045	AA	GG	1940441856
SNP_P1_178628_119079	NW_004515797.1	Scaffold280	119079	TT	GG	1940441857
SNP_P1_178629_119080	NW_004515797.1	Scaffold280	119080	AA	TT	1940441858
SNP_P1_178630_119194	NW_004515797.1	Scaffold280	119194	GG	TT	1940441859
SNP_P1_178631_119218	NW_004515797.1	Scaffold280	119218	TT	CC	1940441860
SNP_P1_178632_119247	NW_004515797.1	Scaffold280	119247	AA	CC	1940441861
SNP_P1_178633_119310	NW_004515797.1	Scaffold280	119310	AA	CC	1940441862
SNP_P1_178634_119320	NW_004515797.1	Scaffold280	119320	TT	CC	1940441863
SNP_P1_178635_119333	NW_004515797.1	Scaffold280	119333	CC	TT	1940441864
SNP_P1_178636_119412	NW_004515797.1	Scaffold280	119412	AA	CC	1940441865
SNP_P1_178637_119422	NW_004515797.1	Scaffold280	119422	AA	GG	1940441866
SNP_P1_178638_121091	NW_004515797.1	Scaffold280	121091	TT	AA	1940441867
SNP_P1_178640_126670	NW_004515797.1	Scaffold280	126670	AA	CC	1940441868
SNP_P1_178641_126974	NW_004515797.1	Scaffold280	126974	CC	AA	1940441869
SNP_P1_178642_127661	NW_004515797.1	Scaffold280	127661	CC	TT	1940441870
SNP_P1_178643_127893	NW_004515797.1	Scaffold280	127893	TT	CC	1940441871
SNP_P1_178644_128592	NW_004515797.1	Scaffold280	128592	AA	CC	1940441872
SNP_P1_178645_128602	NW_004515797.1	Scaffold280	128602	CC	TT	1940441873
SNP_P1_178646_128610	NW_004515797.1	Scaffold280	128610	AA	GG	1940441874
SNP_P1_178647_128617	NW_004515797.1	Scaffold280	128617	AA	CC	1940441875
SNP_P1_178649_129022	NW_004515797.1	Scaffold280	129022	AA	GG	1940441876
SNP_P1_178650_132177	NW_004515797.1	Scaffold280	132177	TT	CC	1940441877
SNP_P1_178651_132226	NW_004515797.1	Scaffold280	132226	TT	AA	1940441878

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_178652_132330	NW_004515797.1	Scaffold280	132330	GG	AA	1940441879
SNP_P1_178653_132336	NW_004515797.1	Scaffold280	132336	TT	CC	1940441880
SNP_P1_178654_134005	NW_004515797.1	Scaffold280	134005	AA	GG	1940441881
SNP_P1_178656_136400	NW_004515797.1	Scaffold280	136400	TT	GG	1940441882
SNP_P1_178657_136420	NW_004515797.1	Scaffold280	136420	TT	AA	1940441883
SNP_P1_178658_138786	NW_004515797.1	Scaffold280	138786	TT	GG	1940441884
SNP_P1_178659_138940	NW_004515797.1	Scaffold280	138940	TT	GG	1940441885
SNP_P1_178660_142596	NW_004515797.1	Scaffold280	142596	AA	TT	1940441886
SNP_P1_178661_142604	NW_004515797.1	Scaffold280	142604	AA	TT	1940441887
SNP_P1_178662_144312	NW_004515797.1	Scaffold280	144312	TT	AA	1940441888
SNP_P1_178663_166166	NW_004515797.1	Scaffold280	166166	AA	TT	1940441889
SNP_P1_178664_166167	NW_004515797.1	Scaffold280	166167	AA	GG	1940441890
SNP_P1_178665_166187	NW_004515797.1	Scaffold280	166187	TT	AA	1940441891
SNP_P1_178666_166196	NW_004515797.1	Scaffold280	166196	GG	AA	1940441892
SNP_P1_178667_166230	NW_004515797.1	Scaffold280	166230	CC	TT	1940441893
SNP_P1_178668_166261	NW_004515797.1	Scaffold280	166261	GG	AA	1940441894
SNP_P1_178669_166308	NW_004515797.1	Scaffold280	166308	CC	AA	1940441895
SNP_P1_178670_166500	NW_004515797.1	Scaffold280	166500	GG	AA	1940441896
SNP_P1_178671_166564	NW_004515797.1	Scaffold280	166564	AA	TT	1940441897
SNP_P1_178672_166630	NW_004515797.1	Scaffold280	166630	TT	AA	1940441898
SNP_P1_178673_174152	NW_004515797.1	Scaffold280	174152	GG	TT	1940441899
SNP_P1_178674_177855	NW_004515797.1	Scaffold280	177855	TT	CC	1940441900
SNP_P1_178675_177856	NW_004515797.1	Scaffold280	177856	AA	CC	1940441901
SNP_P1_178676_180325	NW_004515797.1	Scaffold280	180325	CC	TT	1940441902
SNP_P1_178677_185977	NW_004515797.1	Scaffold280	185977	GG	TT	1940441903
SNP_P1_178678_189957	NW_004515797.1	Scaffold280	189957	AA	CC	1940441904
SNP_P1_178679_199320	NW_004515797.1	Scaffold280	199320	AA	CC	1940441905
SNP_P1_178680_199482	NW_004515797.1	Scaffold280	199482	AA	GG	1940441906
SNP_P1_178681_199527	NW_004515797.1	Scaffold280	199527	TT	CC	1940441907
SNP_P1_178682_199889	NW_004515797.1	Scaffold280	199889	GG	AA	1940441908
SNP_P1_178683_200569	NW_004515797.1	Scaffold280	200569	AA	TT	1940441909
SNP_P1_178684_206063	NW_004515797.1	Scaffold280	206063	AA	GG	1940441910
SNP_P1_178685_206094	NW_004515797.1	Scaffold280	206094	TT	CC	1940441911
SNP_P1_178686_206136	NW_004515797.1	Scaffold280	206136	CC	GG	1940441912
SNP_P1_178687_206234	NW_004515797.1	Scaffold280	206234	TT	CC	1940441913
SNP_P1_178688_206273	NW_004515797.1	Scaffold280	206273	CC	AA	1940441914
SNP_P1_178690_216661	NW_004515797.1	Scaffold280	216661	GG	AA	1940441915
SNP_P1_178691_217358	NW_004515797.1	Scaffold280	217358	GG	AA	1940441916
SNP_P1_178692_217409	NW_004515797.1	Scaffold280	217409	AA	GG	1940441917
SNP_P1_178693_217536	NW_004515797.1	Scaffold280	217536	GG	CC	1940441918
SNP_P1_178694_217744	NW_004515797.1	Scaffold280	217744	AA	GG	1940441919
SNP_P1_178695_217961	NW_004515797.1	Scaffold280	217961	GG	AA	1940441920

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178697_220332	NW_004515797.1	Scaffold280	220332	GG	AA	1940441922
SNP_P1_178698_220783	NW_004515797.1	Scaffold280	220783	TT	CC	1940441923
SNP_P1_178699_239895	NW_004515797.1	Scaffold280	239895	TT	GG	1940441924
SNP_P1_178700_239902	NW_004515797.1	Scaffold280	239902	TT	GG	1940441925
SNP_P1_178701_239906	NW_004515797.1	Scaffold280	239906	CC	TT	1940441926
SNP_P1_178702_240018	NW_004515797.1	Scaffold280	240018	CC	AA	1940441927
SNP_P1_178703_240143	NW_004515797.1	Scaffold280	240143	TT	CC	1940441928
SNP_P1_178704_240144	NW_004515797.1	Scaffold280	240144	GG	AA	1940441929
SNP_P1_178705_245398	NW_004515797.1	Scaffold280	245398	TT	AA	1940441930
SNP_P1_178706_252598	NW_004515797.1	Scaffold280	252598	TT	AA	1940441931
SNP_P1_178707_258463	NW_004515797.1	Scaffold280	258463	AA	CC	1940441932
SNP_P1_178708_258911	NW_004515797.1	Scaffold280	258911	CC	AA	1940441933
SNP_P1_178710_283234	NW_004515797.1	Scaffold280	283234	GG	AA	1940441934
SNP_P1_178711_284188	NW_004515797.1	Scaffold280	284188	AA	TT	1940441935
SNP_P1_178712_284191	NW_004515797.1	Scaffold280	284191	TT	CC	1940441936
SNP_P1_178714_294680	NW_004515797.1	Scaffold280	294680	AA	GG	1940441937
SNP_P1_178715_294681	NW_004515797.1	Scaffold280	294681	AA	GG	1940441938
SNP_P1_178716_294980	NW_004515797.1	Scaffold280	294980	AA	GG	1940441939
SNP_P1_178717_295025	NW_004515797.1	Scaffold280	295025	AA	GG	1940441940
SNP_P1_178718_295052	NW_004515797.1	Scaffold280	295052	GG	CC	1940441941
SNP_P1_178719_296422	NW_004515797.1	Scaffold280	296422	GG	AA	1940441942
SNP_P1_178720_296424	NW_004515797.1	Scaffold280	296424	TT	CC	1940441943
SNP_P1_178721_298356	NW_004515797.1	Scaffold280	298356	TT	AA	1940441944
SNP_P1_178722_302072	NW_004515797.1	Scaffold280	302072	TT	CC	1940441945
SNP_P1_178723_302468	NW_004515797.1	Scaffold280	302468	GG	CC	1940441946
SNP_P1_178724_302477	NW_004515797.1	Scaffold280	302477	TT	CC	1940441948
SNP_P1_178725_302535	NW_004515797.1	Scaffold280	302535	AA	CC	1940441949
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SNP_P1_178727_309062	NW_004515797.1	Scaffold280	309062	GG	TT	1940441951
SNP_P1_178728_309065	NW_004515797.1	Scaffold280	309065	TT	AA	1940441952
SNP_P1_178729_319647	NW_004515797.1	Scaffold280	319647	GG	CC	1940441953
SNP_P1_178730_319648	NW_004515797.1	Scaffold280	319648	AA	TT	1940441954
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SNP_P1_178732_319685	NW_004515797.1	Scaffold280	319685	AA	GG	1940441956
SNP_P1_178733_319725	NW_004515797.1	Scaffold280	319725	TT	GG	1940441957
SNP_P1_178734_319833	NW_004515797.1	Scaffold280	319833	AA	TT	1940441958
SNP_P1_178735_319835	NW_004515797.1	Scaffold280	319835	TT	GG	1940441959
SNP_P1_178736_319848	NW_004515797.1	Scaffold280	319848	CC	AA	1940441960
SNP_P1_178737_320079	NW_004515797.1	Scaffold280	320079	CC	AA	1940441961
SNP_P1_178738_320172	NW_004515797.1	Scaffold280	320172	TT	CC	1940441962
SNP_P1_178739_320222	NW_004515797.1	Scaffold280	320222	AA	TT	1940441963

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_178741_324031	NW_004515797.1	Scaffold280	324031	TT	CC	1940441964
SNP_P1_178742_324039	NW_004515797.1	Scaffold280	324039	GG	TT	1940441965
SNP_P1_178743_324390	NW_004515797.1	Scaffold280	324390	TT	GG	1940441966
SNP_P1_178744_324426	NW_004515797.1	Scaffold280	324426	CC	TT	1940441967
SNP_P1_178745_324442	NW_004515797.1	Scaffold280	324442	GG	TT	1940441968
SNP_P1_178746_324466	NW_004515797.1	Scaffold280	324466	AA	CC	1940441969
SNP_P1_178747_324472	NW_004515797.1	Scaffold280	324472	GG	AA	1940441970
SNP_P1_178748_324527	NW_004515797.1	Scaffold280	324527	TT	AA	1940441971
SNP_P1_178749_326911	NW_004515797.1	Scaffold280	326911	TT	CC	1940441972
SNP_P1_178750_335192	NW_004515797.1	Scaffold280	335192	TT	GG	1940441973
SNP_P1_178751_335237	NW_004515797.1	Scaffold280	335237	TT	CC	1940441974
SNP_P1_178752_335342	NW_004515797.1	Scaffold280	335342	AA	TT	1940441975
SNP_P1_178753_335509	NW_004515797.1	Scaffold280	335509	CC	TT	1940441976
SNP_P1_178754_335525	NW_004515797.1	Scaffold280	335525	TT	GG	1940441977
SNP_P1_178755_335527	NW_004515797.1	Scaffold280	335527	AA	CC	1940441978
SNP_P1_178756_335531	NW_004515797.1	Scaffold280	335531	AA	GG	1940441979
SNP_P1_178757_335535	NW_004515797.1	Scaffold280	335535	GG	AA	1940441980
SNP_P1_178758_335538	NW_004515797.1	Scaffold280	335538	CC	GG	1940441981
SNP_P1_178759_335682	NW_004515797.1	Scaffold280	335682	AA	GG	1940441982
SNP_P1_178760_335691	NW_004515797.1	Scaffold280	335691	AA	GG	1940441983
SNP_P1_178761_338383	NW_004515797.1	Scaffold280	338383	CC	AA	1940441984
SNP_P1_178762_342450	NW_004515797.1	Scaffold280	342450	TT	CC	1940441985
SNP_P1_178763_344009	NW_004515797.1	Scaffold280	344009	TT	AA	1940441986
SNP_P1_178764_350155	NW_004515797.1	Scaffold280	350155	TT	AA	1940441987
SNP_P1_178765_350156	NW_004515797.1	Scaffold280	350156	GG	CC	1940441988
SNP_P1_178766_351773	NW_004515797.1	Scaffold280	351773	GG	AA	1940441989
SNP_P1_178767_351906	NW_004515797.1	Scaffold280	351906	CC	TT	1940441990
SNP_P1_178768_352432	NW_004515797.1	Scaffold280	352432	CC	AA	1940441991
SNP_P1_178769_352450	NW_004515797.1	Scaffold280	352450	TT	CC	1940441992
SNP_P1_178770_352542	NW_004515797.1	Scaffold280	352542	TT	CC	1940441993
SNP_P1_178771_362053	NW_004515797.1	Scaffold280	362053	GG	TT	1940441994
SNP_P1_178772_366869	NW_004515797.1	Scaffold280	366869	GG	TT	1940441995
SNP_P1_178773_373421	NW_004515797.1	Scaffold280	373421	AA	GG	1940441996
SNP_P1_178774_373486	NW_004515797.1	Scaffold280	373486	GG	TT	1940441997
SNP_P1_178775_373494	NW_004515797.1	Scaffold280	373494	GG	AA	1940441998
SNP_P1_178776_373644	NW_004515797.1	Scaffold280	373644	TT	CC	1940441999
SNP_P1_178777_373785	NW_004515797.1	Scaffold280	373785	AA	GG	1940442000
SNP_P1_178778_374359	NW_004515797.1	Scaffold280	374359	GG	AA	1940442001
SNP_P1_178779_374425	NW_004515797.1	Scaffold280	374425	AA	CC	1940442002
SNP_P1_178780_374436	NW_004515797.1	Scaffold280	374436	CC	TT	1940442003
SNP_P1_178781_374518	NW_004515797.1	Scaffold280	374518	AA	TT	1940442004
SNP_P1_178782_374764	NW_004515797.1	Scaffold280	374764	AA	GG	1940442005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178784_374811	NW_004515797.1	Scaffold280	374811	AA	GG	1940442007
SNP_P1_178785_375152	NW_004515797.1	Scaffold280	375152	AA	GG	1940442008
SNP_P1_178786_375214	NW_004515797.1	Scaffold280	375214	AA	CC	1940442009
SNP_P1_178787_375412	NW_004515797.1	Scaffold280	375412	CC	TT	1940442010
SNP_P1_178788_378479	NW_004515797.1	Scaffold280	378479	GG	AA	1940442011
SNP_P1_178789_378541	NW_004515797.1	Scaffold280	378541	GG	AA	1940442012
SNP_P1_178791_378794	NW_004515797.1	Scaffold280	378794	GG	AA	1940442013
SNP_P1_178792_378853	NW_004515797.1	Scaffold280	378853	CC	AA	1940442014
SNP_P1_178793_378885	NW_004515797.1	Scaffold280	378885	TT	AA	1940442015
SNP_P1_178794_378934	NW_004515797.1	Scaffold280	378934	TT	CC	1940442016
SNP_P1_178795_379148	NW_004515797.1	Scaffold280	379148	AA	CC	1940442017
SNP_P1_178796_379510	NW_004515797.1	Scaffold280	379510	TT	CC	1940442018
SNP_P1_178797_379573	NW_004515797.1	Scaffold280	379573	AA	TT	1940442019
SNP_P1_178798_380426	NW_004515797.1	Scaffold280	380426	GG	AA	1940442020
SNP_P1_178799_381816	NW_004515797.1	Scaffold280	381816	AA	CC	1940442021
SNP_P1_178800_381825	NW_004515797.1	Scaffold280	381825	AA	TT	1940442022
SNP_P1_178801_381827	NW_004515797.1	Scaffold280	381827	AA	GG	1940442023
SNP_P1_178802_381835	NW_004515797.1	Scaffold280	381835	TT	GG	1940442024
SNP_P1_178804_381867	NW_004515797.1	Scaffold280	381867	AA	GG	1940442025
SNP_P1_178805_381909	NW_004515797.1	Scaffold280	381909	GG	AA	1940442026
SNP_P1_178806_382141	NW_004515797.1	Scaffold280	382141	GG	TT	1940442027
SNP_P1_178807_382196	NW_004515797.1	Scaffold280	382196	GG	AA	1940442028
SNP_P1_178808_385613	NW_004515797.1	Scaffold280	385613	GG	AA	1940442029
SNP_P1_178809_385616	NW_004515797.1	Scaffold280	385616	CC	AA	1940442030
SNP_P1_178810_385678	NW_004515797.1	Scaffold280	385678	AA	CC	1940442031
SNP_P1_178811_385887	NW_004515797.1	Scaffold280	385887	GG	TT	1940442032
SNP_P1_178812_386863	NW_004515797.1	Scaffold280	386863	CC	TT	1940442033
SNP_P1_178813_387047	NW_004515797.1	Scaffold280	387047	AA	CC	1940442034
SNP_P1_178814_387051	NW_004515797.1	Scaffold280	387051	CC	GG	1940442035
SNP_P1_178815_387229	NW_004515797.1	Scaffold280	387229	TT	CC	1940442036
SNP_P1_178816_387933	NW_004515797.1	Scaffold280	387933	GG	AA	1940442037
SNP_P1_178817_395022	NW_004515797.1	Scaffold280	395022	CC	AA	1940442038
SNP_P1_178818_626	NW_004515798.1	Scaffold281	626	TT	CC	1940442039
SNP_P1_178819_629	NW_004515798.1	Scaffold281	629	CC	TT	1940442040
SNP_P1_178820_699	NW_004515798.1	Scaffold281	699	AA	GG	1940442041
SNP_P1_178821_739	NW_004515798.1	Scaffold281	739	AA	TT	1940442042
SNP_P1_178822_791	NW_004515798.1	Scaffold281	791	GG	AA	1940442043
SNP_P1_178823_793	NW_004515798.1	Scaffold281	793	GG	AA	1940442044
SNP_P1_178824_802	NW_004515798.1	Scaffold281	802	AA	GG	1940442045
SNP_P1_178825_817	NW_004515798.1	Scaffold281	817	CC	GG	1940442046
SNP_P1_178826_857	NW_004515798.1	Scaffold281	857	GG	AA	1940442047

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_178827_895	NW_004515798.1	Scaffold281	895	AA	CC	1940442048
SNP_P1_178828_910	NW_004515798.1	Scaffold281	910	TT	CC	1940442049
SNP_P1_178829_930	NW_004515798.1	Scaffold281	930	GG	AA	1940442050
SNP_P1_178830_1013	NW_004515798.1	Scaffold281	1013	GG	AA	1940442051
SNP_P1_178831_1045	NW_004515798.1	Scaffold281	1045	GG	AA	1940442052
SNP_P1_178832_1170	NW_004515798.1	Scaffold281	1170	CC	TT	1940442053
SNP_P1_178833_1195	NW_004515798.1	Scaffold281	1195	CC	TT	1940442054
SNP_P1_178834_1217	NW_004515798.1	Scaffold281	1217	GG	TT	1940442055
SNP_P1_178835_1251	NW_004515798.1	Scaffold281	1251	AA	GG	1940442056
SNP_P1_178837_1322	NW_004515798.1	Scaffold281	1322	TT	CC	1940442057
SNP_P1_178840_1547	NW_004515798.1	Scaffold281	1547	TT	CC	1940442058
SNP_P1_178841_1618	NW_004515798.1	Scaffold281	1618	GG	TT	1940442059
SNP_P1_178842_1652	NW_004515798.1	Scaffold281	1652	TT	AA	1940442060
SNP_P1_178843_1653	NW_004515798.1	Scaffold281	1653	GG	AA	1940442061
SNP_P1_178844_1657	NW_004515798.1	Scaffold281	1657	TT	CC	1940442062
SNP_P1_178845_1661	NW_004515798.1	Scaffold281	1661	TT	CC	1940442063
SNP_P1_178846_1711	NW_004515798.1	Scaffold281	1711	AA	GG	1940442064
SNP_P1_178847_1744	NW_004515798.1	Scaffold281	1744	AA	GG	1940442065
SNP_P1_178848_1755	NW_004515798.1	Scaffold281	1755	CC	TT	1940442066
SNP_P1_178849_1775	NW_004515798.1	Scaffold281	1775	AA	GG	1940442067
SNP_P1_178850_1779	NW_004515798.1	Scaffold281	1779	AA	GG	1940442068
SNP_P1_178851_1782	NW_004515798.1	Scaffold281	1782	GG	AA	1940442069
SNP_P1_178852_1824	NW_004515798.1	Scaffold281	1824	GG	AA	1940442070
SNP_P1_178853_2138	NW_004515798.1	Scaffold281	2138	AA	GG	1940442071
SNP_P1_178854_2159	NW_004515798.1	Scaffold281	2159	GG	CC	1940442072
SNP_P1_178856_2262	NW_004515798.1	Scaffold281	2262	CC	TT	1940442073
SNP_P1_178857_2268	NW_004515798.1	Scaffold281	2268	CC	TT	1940442074
SNP_P1_178858_2273	NW_004515798.1	Scaffold281	2273	CC	TT	1940442075
SNP_P1_178859_2278	NW_004515798.1	Scaffold281	2278	TT	CC	1940442076
SNP_P1_178860_2285	NW_004515798.1	Scaffold281	2285	CC	GG	1940442077
SNP_P1_178861_2286	NW_004515798.1	Scaffold281	2286	AA	TT	1940442078
SNP_P1_178862_2622	NW_004515798.1	Scaffold281	2622	CC	TT	1940442079
SNP_P1_178863_2624	NW_004515798.1	Scaffold281	2624	TT	CC	1940442080
SNP_P1_178864_2625	NW_004515798.1	Scaffold281	2625	TT	GG	1940442081
SNP_P1_178865_2659	NW_004515798.1	Scaffold281	2659	CC	TT	1940442082
SNP_P1_178866_2935	NW_004515798.1	Scaffold281	2935	GG	TT	1940442083
SNP_P1_178868_3032	NW_004515798.1	Scaffold281	3032	TT	CC	1940442084
SNP_P1_178869_3034	NW_004515798.1	Scaffold281	3034	CC	TT	1940442085
SNP_P1_178871_3141	NW_004515798.1	Scaffold281	3141	AA	CC	1940442086
SNP_P1_178872_3256	NW_004515798.1	Scaffold281	3256	TT	CC	1940442087
SNP_P1_178873_3274	NW_004515798.1	Scaffold281	3274	TT	CC	1940442088
SNP_P1_178875_3341	NW_004515798.1	Scaffold281	3341	TT	AA	1940442089

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178878_3433	NW_004515798.1	Scaffold281	3433	TT	AA	1940442091
SNP_P1_178879_3439	NW_004515798.1	Scaffold281	3439	GG	AA	1940442092
SNP_P1_178880_3442	NW_004515798.1	Scaffold281	3442	GG	CC	1940442093
SNP_P1_178881_3480	NW_004515798.1	Scaffold281	3480	CC	GG	1940442094
SNP_P1_178882_3510	NW_004515798.1	Scaffold281	3510	TT	CC	1940442095
SNP_P1_178883_3561	NW_004515798.1	Scaffold281	3561	AA	TT	1940442096
SNP_P1_178884_3603	NW_004515798.1	Scaffold281	3603	AA	GG	1940442097
SNP_P1_178885_3648	NW_004515798.1	Scaffold281	3648	AA	GG	1940442099
SNP_P1_178886_3651	NW_004515798.1	Scaffold281	3651	TT	CC	1940442100
SNP_P1_178887_3694	NW_004515798.1	Scaffold281	3694	TT	CC	1940442101
SNP_P1_178888_3719	NW_004515798.1	Scaffold281	3719	CC	TT	1940442102
SNP_P1_178890_3757	NW_004515798.1	Scaffold281	3757	CC	TT	1940442103
SNP_P1_178891_3810	NW_004515798.1	Scaffold281	3810	GG	CC	1940442104
SNP_P1_178892_3880	NW_004515798.1	Scaffold281	3880	AA	GG	1940442105
SNP_P1_178893_3908	NW_004515798.1	Scaffold281	3908	AA	CC	1940442106
SNP_P1_178894_4031	NW_004515798.1	Scaffold281	4031	AA	CC	1940442107
SNP_P1_178895_4093	NW_004515798.1	Scaffold281	4093	TT	AA	1940442108
SNP_P1_178897_4173	NW_004515798.1	Scaffold281	4173	AA	GG	1940442109
SNP_P1_178899_4234	NW_004515798.1	Scaffold281	4234	TT	CC	1940442110
SNP_P1_178900_4248	NW_004515798.1	Scaffold281	4248	TT	CC	1940442111
SNP_P1_178901_4347	NW_004515798.1	Scaffold281	4347	TT	AA	1940442112
SNP_P1_178902_4976	NW_004515798.1	Scaffold281	4976	AA	CC	1940442113
SNP_P1_178904_5168	NW_004515798.1	Scaffold281	5168	TT	CC	1940442114
SNP_P1_178905_5181	NW_004515798.1	Scaffold281	5181	TT	AA	1940442115
SNP_P1_178906_5182	NW_004515798.1	Scaffold281	5182	AA	CC	1940442116
SNP_P1_178907_5200	NW_004515798.1	Scaffold281	5200	CC	TT	1940442117
SNP_P1_178908_5345	NW_004515798.1	Scaffold281	5345	TT	CC	1940442118
SNP_P1_178909_5362	NW_004515798.1	Scaffold281	5362	AA	GG	1940442119
SNP_P1_178910_5363	NW_004515798.1	Scaffold281	5363	CC	GG	1940442120
SNP_P1_178911_5400	NW_004515798.1	Scaffold281	5400	GG	CC	1940442121
SNP_P1_178912_5401	NW_004515798.1	Scaffold281	5401	CC	GG	1940442122
SNP_P1_178913_5406	NW_004515798.1	Scaffold281	5406	CC	TT	1940442123
SNP_P1_178914_5436	NW_004515798.1	Scaffold281	5436	CC	AA	1940442124
SNP_P1_178915_5442	NW_004515798.1	Scaffold281	5442	GG	AA	1940442125
SNP_P1_178916_5455	NW_004515798.1	Scaffold281	5455	AA	GG	1940442126
SNP_P1_178917_6600	NW_004515798.1	Scaffold281	6600	GG	TT	1940442127
SNP_P1_178918_6621	NW_004515798.1	Scaffold281	6621	CC	GG	1940442128
SNP_P1_178919_6999	NW_004515798.1	Scaffold281	6999	AA	GG	1940442129
SNP_P1_178920_8334	NW_004515798.1	Scaffold281	8334	TT	CC	1940442130
SNP_P1_178921_8344	NW_004515798.1	Scaffold281	8344	GG	CC	1940442131
SNP_P1_178922_8346	NW_004515798.1	Scaffold281	8346	AA	GG	1940442132

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_178924_8457	NW_004515798.1	Scaffold281	8457	CC	AA	1940442134
SNP_P1_178925_8574	NW_004515798.1	Scaffold281	8574	TT	CC	1940442135
SNP_P1_178926_8593	NW_004515798.1	Scaffold281	8593	AA	GG	1940442136
SNP_P1_178927_8748	NW_004515798.1	Scaffold281	8748	AA	GG	1940442137
SNP_P1_178928_8749	NW_004515798.1	Scaffold281	8749	TT	AA	1940442138
SNP_P1_178929_8824	NW_004515798.1	Scaffold281	8824	AA	TT	1940442139
SNP_P1_178930_8871	NW_004515798.1	Scaffold281	8871	GG	AA	1940442140
SNP_P1_178931_8905	NW_004515798.1	Scaffold281	8905	CC	TT	1940442141
SNP_P1_178932_9277	NW_004515798.1	Scaffold281	9277	GG	CC	1940442142
SNP_P1_178933_9321	NW_004515798.1	Scaffold281	9321	CC	AA	1940442143
SNP_P1_178934_9337	NW_004515798.1	Scaffold281	9337	CC	TT	1940442144
SNP_P1_178935_9372	NW_004515798.1	Scaffold281	9372	TT	CC	1940442145
SNP_P1_178936_27037	NW_004515798.1	Scaffold281	27037	CC	TT	1940442146
SNP_P1_178937_27223	NW_004515798.1	Scaffold281	27223	CC	TT	1940442147
SNP_P1_178939_27245	NW_004515798.1	Scaffold281	27245	AA	GG	1940442148
SNP_P1_178940_27248	NW_004515798.1	Scaffold281	27248	AA	GG	1940442149
SNP_P1_178941_27249	NW_004515798.1	Scaffold281	27249	TT	GG	1940442150
SNP_P1_178942_27268	NW_004515798.1	Scaffold281	27268	AA	GG	1940442151
SNP_P1_178943_27314	NW_004515798.1	Scaffold281	27314	AA	GG	1940442152
SNP_P1_178944_27317	NW_004515798.1	Scaffold281	27317	AA	GG	1940442153
SNP_P1_178945_27338	NW_004515798.1	Scaffold281	27338	AA	GG	1940442154
SNP_P1_178946_27349	NW_004515798.1	Scaffold281	27349	GG	AA	1940442155
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SNP_P1_178948_27394	NW_004515798.1	Scaffold281	27394	AA	TT	1940442157
SNP_P1_178949_27396	NW_004515798.1	Scaffold281	27396	AA	TT	1940442158
SNP_P1_178950_27468	NW_004515798.1	Scaffold281	27468	GG	TT	1940442159
SNP_P1_178951_29202	NW_004515798.1	Scaffold281	29202	TT	GG	1940442160
SNP_P1_178952_34319	NW_004515798.1	Scaffold281	34319	AA	GG	1940442161
SNP_P1_178953_898	NW_004515799.1	Scaffold282	898	CC	AA	1940442162
SNP_P1_178954_6049	NW_004515799.1	Scaffold282	6049	AA	CC	1940442163
SNP_P1_178956_8653	NW_004515799.1	Scaffold282	8653	GG	AA	1940442164
SNP_P1_178957_8686	NW_004515799.1	Scaffold282	8686	GG	AA	1940442165
SNP_P1_178958_8697	NW_004515799.1	Scaffold282	8697	CC	GG	1940442166
SNP_P1_178959_8699	NW_004515799.1	Scaffold282	8699	AA	GG	1940442167
SNP_P1_178960_8712	NW_004515799.1	Scaffold282	8712	AA	CC	1940442168
SNP_P1_178961_9103	NW_004515799.1	Scaffold282	9103	GG	CC	1940442169
SNP_P1_178962_9137	NW_004515799.1	Scaffold282	9137	CC	TT	1940442170
SNP_P1_178963_9140	NW_004515799.1	Scaffold282	9140	CC	AA	1940442171
SNP_P1_178964_19677	NW_004515799.1	Scaffold282	19677	CC	TT	1940442172
SNP_P1_178965_38127	NW_004515799.1	Scaffold282	38127	AA	GG	1940442173
SNP_P1_178966_38369	NW_004515799.1	Scaffold282	38369	TT	CC	1940442174

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_178967_38413	NW_004515799.1	Scaffold282	38413	AA	CC	1940442175
SNP_P1_178968_39469	NW_004515799.1	Scaffold282	39469	TT	GG	1940442176
SNP_P1_178969_39573	NW_004515799.1	Scaffold282	39573	CC	TT	1940442177
SNP_P1_178970_39578	NW_004515799.1	Scaffold282	39578	CC	TT	1940442178
SNP_P1_178971_39717	NW_004515799.1	Scaffold282	39717	GG	CC	1940442179
SNP_P1_178972_39728	NW_004515799.1	Scaffold282	39728	CC	TT	1940442180
SNP_P1_178973_39732	NW_004515799.1	Scaffold282	39732	GG	CC	1940442181
SNP_P1_178974_39921	NW_004515799.1	Scaffold282	39921	CC	TT	1940442182
SNP_P1_178975_39925	NW_004515799.1	Scaffold282	39925	TT	CC	1940442183
SNP_P1_178976_39947	NW_004515799.1	Scaffold282	39947	GG	AA	1940442184
SNP_P1_178977_51589	NW_004515799.1	Scaffold282	51589	AA	TT	1940442185
SNP_P1_178978_52007	NW_004515799.1	Scaffold282	52007	GG	AA	1940442186
SNP_P1_178979_58779	NW_004515799.1	Scaffold282	58779	CC	AA	1940442187
SNP_P1_178980_65391	NW_004515799.1	Scaffold282	65391	CC	AA	1940442188
SNP_P1_178981_69883	NW_004515799.1	Scaffold282	69883	CC	TT	1940442189
SNP_P1_178982_69891	NW_004515799.1	Scaffold282	69891	TT	CC	1940442190
SNP_P1_178983_70502	NW_004515799.1	Scaffold282	70502	GG	TT	1940442191
SNP_P1_178984_70505	NW_004515799.1	Scaffold282	70505	TT	CC	1940442192
SNP_P1_178985_70538	NW_004515799.1	Scaffold282	70538	TT	CC	1940442193
SNP_P1_178986_75249	NW_004515799.1	Scaffold282	75249	GG	AA	1940442194
SNP_P1_178987_75273	NW_004515799.1	Scaffold282	75273	GG	TT	1940442195
SNP_P1_178988_75274	NW_004515799.1	Scaffold282	75274	GG	AA	1940442196
SNP_P1_178989_75288	NW_004515799.1	Scaffold282	75288	CC	TT	1940442197
SNP_P1_178990_75296	NW_004515799.1	Scaffold282	75296	AA	GG	1940442198
SNP_P1_178991_75311	NW_004515799.1	Scaffold282	75311	AA	GG	1940442199
SNP_P1_178992_75328	NW_004515799.1	Scaffold282	75328	AA	GG	1940442200
SNP_P1_178993_75387	NW_004515799.1	Scaffold282	75387	CC	TT	1940442202
SNP_P1_178994_75389	NW_004515799.1	Scaffold282	75389	TT	CC	1940442203
SNP_P1_178995_75398	NW_004515799.1	Scaffold282	75398	AA	GG	1940442204
SNP_P1_178996_75400	NW_004515799.1	Scaffold282	75400	AA	TT	1940442205
SNP_P1_178997_75425	NW_004515799.1	Scaffold282	75425	CC	TT	1940442206
SNP_P1_178998_75436	NW_004515799.1	Scaffold282	75436	AA	GG	1940442207
SNP_P1_178999_75533	NW_004515799.1	Scaffold282	75533	GG	AA	1940442208
SNP_P1_179000_75564	NW_004515799.1	Scaffold282	75564	TT	CC	1940442209
SNP_P1_179001_75601	NW_004515799.1	Scaffold282	75601	TT	CC	1940442210
SNP_P1_179002_78115	NW_004515799.1	Scaffold282	78115	AA	GG	1940442211
SNP_P1_179003_78266	NW_004515799.1	Scaffold282	78266	AA	TT	1940442212
SNP_P1_179004_84988	NW_004515799.1	Scaffold282	84988	TT	CC	1940442213
SNP_P1_179005_86391	NW_004515799.1	Scaffold282	86391	AA	GG	1940442214
SNP_P1_179006_2305	NW_004515800.1	Scaffold283	2305	CC	AA	1940442215
SNP_P1_179007_5098	NW_004515800.1	Scaffold283	5098	AA	TT	1940442216
SNP_P1_179008_5429	NW_004515800.1	Scaffold283	5429	TT	CC	1940442217

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179010_5900	NW_004515800.1	Scaffold283	5900	AA	TT	1940442219
SNP_P1_179011_6066	NW_004515800.1	Scaffold283	6066	GG	TT	1940442220
SNP_P1_179012_16327	NW_004515800.1	Scaffold283	16327	TT	AA	1940442221
SNP_P1_179013_16347	NW_004515800.1	Scaffold283	16347	TT	AA	1940442222
SNP_P1_179014_16369	NW_004515800.1	Scaffold283	16369	AA	GG	1940442223
SNP_P1_179016_16493	NW_004515800.1	Scaffold283	16493	AA	GG	1940442224
SNP_P1_179017_16513	NW_004515800.1	Scaffold283	16513	TT	CC	1940442225
SNP_P1_179018_16538	NW_004515800.1	Scaffold283	16538	AA	TT	1940442226
SNP_P1_179019_16554	NW_004515800.1	Scaffold283	16554	CC	TT	1940442227
SNP_P1_179020_24395	NW_004515800.1	Scaffold283	24395	TT	AA	1940442228
SNP_P1_179021_24655	NW_004515800.1	Scaffold283	24655	AA	TT	1940442229
SNP_P1_179022_25671	NW_004515800.1	Scaffold283	25671	GG	TT	1940442230
SNP_P1_179023_25991	NW_004515800.1	Scaffold283	25991	GG	AA	1940442231
SNP_P1_179024_26002	NW_004515800.1	Scaffold283	26002	GG	AA	1940442232
SNP_P1_179025_26059	NW_004515800.1	Scaffold283	26059	AA	GG	1940442233
SNP_P1_179026_26213	NW_004515800.1	Scaffold283	26213	GG	TT	1940442234
SNP_P1_179027_29361	NW_004515800.1	Scaffold283	29361	GG	AA	1940442235
SNP_P1_179028_29409	NW_004515800.1	Scaffold283	29409	CC	GG	1940442236
SNP_P1_179029_29924	NW_004515800.1	Scaffold283	29924	AA	GG	1940442237
SNP_P1_179031_40508	NW_004515800.1	Scaffold283	40508	CC	TT	1940442238
SNP_P1_179032_40553	NW_004515800.1	Scaffold283	40553	AA	CC	1940442239
SNP_P1_179033_40776	NW_004515800.1	Scaffold283	40776	TT	AA	1940442240
SNP_P1_179034_40782	NW_004515800.1	Scaffold283	40782	TT	AA	1940442241
SNP_P1_179035_40843	NW_004515800.1	Scaffold283	40843	CC	TT	1940442242
SNP_P1_179037_73255	NW_004515800.1	Scaffold283	73255	AA	CC	1940442243
SNP_P1_179038_73320	NW_004515800.1	Scaffold283	73320	TT	AA	1940442244
SNP_P1_179039_73326	NW_004515800.1	Scaffold283	73326	CC	TT	1940442245
SNP_P1_179041_73347	NW_004515800.1	Scaffold283	73347	AA	CC	1940442246
SNP_P1_179042_76713	NW_004515800.1	Scaffold283	76713	CC	TT	1940442247
SNP_P1_179043_90845	NW_004515800.1	Scaffold283	90845	TT	CC	1940442248
SNP_P1_179044_91119	NW_004515800.1	Scaffold283	91119	TT	AA	1940442249
SNP_P1_179045_91167	NW_004515800.1	Scaffold283	91167	AA	GG	1940442250
SNP_P1_179046_95255	NW_004515800.1	Scaffold283	95255	AA	TT	1940442251
SNP_P1_179047_95557	NW_004515800.1	Scaffold283	95557	TT	GG	1940442252
SNP_P1_179048_95569	NW_004515800.1	Scaffold283	95569	GG	TT	1940442253
SNP_P1_179049_95602	NW_004515800.1	Scaffold283	95602	CC	TT	1940442254
SNP_P1_179050_95668	NW_004515800.1	Scaffold283	95668	AA	GG	1940442255
SNP_P1_179051_95918	NW_004515800.1	Scaffold283	95918	AA	GG	1940442256
SNP_P1_179052_95966	NW_004515800.1	Scaffold283	95966	TT	GG	1940442257
SNP_P1_179053_110710	NW_004515800.1	Scaffold283	110710	TT	AA	1940442258
SNP_P1_179055_3921	NW_004515801.1	Scaffold284	3921	CC	TT	1940442259

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_179057_4740	NW_004515801.1	Scaffold284	4740	TT	CC	1940442260
SNP_P1_179058_4815	NW_004515801.1	Scaffold284	4815	CC	GG	1940442261
SNP_P1_179059_4913	NW_004515801.1	Scaffold284	4913	AA	CC	1940442262
SNP_P1_179060_4950	NW_004515801.1	Scaffold284	4950	TT	CC	1940442263
SNP_P1_179061_6182	NW_004515801.1	Scaffold284	6182	GG	AA	1940442264
SNP_P1_179062_6487	NW_004515801.1	Scaffold284	6487	AA	GG	1940442265
SNP_P1_179063_6633	NW_004515801.1	Scaffold284	6633	TT	CC	1940442266
SNP_P1_179064_6973	NW_004515801.1	Scaffold284	6973	GG	AA	1940442267
SNP_P1_179065_7270	NW_004515801.1	Scaffold284	7270	CC	GG	1940442268
SNP_P1_179066_7600	NW_004515801.1	Scaffold284	7600	GG	AA	1940442269
SNP_P1_179067_10354	NW_004515801.1	Scaffold284	10354	CC	TT	1940442270
SNP_P1_179068_10799	NW_004515801.1	Scaffold284	10799	GG	AA	1940442271
SNP_P1_179069_10820	NW_004515801.1	Scaffold284	10820	GG	AA	1940442272
SNP_P1_179071_11650	NW_004515801.1	Scaffold284	11650	GG	AA	1940442273
SNP_P1_179072_12292	NW_004515801.1	Scaffold284	12292	TT	AA	1940442274
SNP_P1_179073_12378	NW_004515801.1	Scaffold284	12378	CC	AA	1940442275
SNP_P1_179074_13103	NW_004515801.1	Scaffold284	13103	GG	TT	1940442276
SNP_P1_179075_13123	NW_004515801.1	Scaffold284	13123	AA	CC	1940442277
SNP_P1_179077_14633	NW_004515801.1	Scaffold284	14633	AA	GG	1940442278
SNP_P1_179078_15004	NW_004515801.1	Scaffold284	15004	GG	TT	1940442279
SNP_P1_179080_15416	NW_004515801.1	Scaffold284	15416	GG	TT	1940442280
SNP_P1_179081_15536	NW_004515801.1	Scaffold284	15536	TT	AA	1940442281
SNP_P1_179082_16966	NW_004515801.1	Scaffold284	16966	GG	AA	1940442282
SNP_P1_179083_17371	NW_004515801.1	Scaffold284	17371	CC	TT	1940442283
SNP_P1_179084_17509	NW_004515801.1	Scaffold284	17509	TT	CC	1940442284
SNP_P1_179087_21576	NW_004515801.1	Scaffold284	21576	GG	TT	1940442285
SNP_P1_179088_21742	NW_004515801.1	Scaffold284	21742	GG	AA	1940442286
SNP_P1_179089_21839	NW_004515801.1	Scaffold284	21839	AA	CC	1940442287
SNP_P1_179090_21866	NW_004515801.1	Scaffold284	21866	AA	GG	1940442288
SNP_P1_179091_21868	NW_004515801.1	Scaffold284	21868	AA	TT	1940442289
SNP_P1_179092_21880	NW_004515801.1	Scaffold284	21880	TT	CC	1940442290
SNP_P1_179093_22099	NW_004515801.1	Scaffold284	22099	AA	TT	1940442291
SNP_P1_179094_22131	NW_004515801.1	Scaffold284	22131	CC	TT	1940442292
SNP_P1_179095_22219	NW_004515801.1	Scaffold284	22219	TT	AA	1940442293
SNP_P1_179096_40738	NW_004515801.1	Scaffold284	40738	TT	CC	1940442294
SNP_P1_179097_40748	NW_004515801.1	Scaffold284	40748	CC	TT	1940442295
SNP_P1_179098_40750	NW_004515801.1	Scaffold284	40750	GG	AA	1940442296
SNP_P1_179099_40751	NW_004515801.1	Scaffold284	40751	CC	AA	1940442297
SNP_P1_179100_40767	NW_004515801.1	Scaffold284	40767	TT	AA	1940442298
SNP_P1_179101_40773	NW_004515801.1	Scaffold284	40773	CC	AA	1940442299
SNP_P1_179102_40779	NW_004515801.1	Scaffold284	40779	AA	TT	1940442300
SNP_P1_179104_41008	NW_004515801.1	Scaffold284	41008	AA	GG	1940442301

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179106_49893	NW_004515801.1	Scaffold284	49893	TT	GG	1940442303
SNP_P1_179107_49904	NW_004515801.1	Scaffold284	49904	TT	CC	1940442304
SNP_P1_179108_49916	NW_004515801.1	Scaffold284	49916	GG	CC	1940442305
SNP_P1_179109_49951	NW_004515801.1	Scaffold284	49951	AA	GG	1940442306
SNP_P1_179110_49962	NW_004515801.1	Scaffold284	49962	GG	AA	1940442307
SNP_P1_179111_49971	NW_004515801.1	Scaffold284	49971	GG	AA	1940442308
SNP_P1_179112_50028	NW_004515801.1	Scaffold284	50028	CC	TT	1940442309
SNP_P1_179113_50076	NW_004515801.1	Scaffold284	50076	TT	AA	1940442310
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SNP_P1_179116_50116	NW_004515801.1	Scaffold284	50116	TT	GG	1940442313
SNP_P1_179117_50148	NW_004515801.1	Scaffold284	50148	TT	AA	1940442314
SNP_P1_179118_50173	NW_004515801.1	Scaffold284	50173	GG	CC	1940442315
SNP_P1_179119_50201	NW_004515801.1	Scaffold284	50201	TT	AA	1940442316
SNP_P1_179120_50221	NW_004515801.1	Scaffold284	50221	AA	GG	1940442317
SNP_P1_179121_50230	NW_004515801.1	Scaffold284	50230	AA	TT	1940442318
SNP_P1_179122_50264	NW_004515801.1	Scaffold284	50264	GG	TT	1940442319
SNP_P1_179123_50268	NW_004515801.1	Scaffold284	50268	AA	GG	1940442320
SNP_P1_179124_50291	NW_004515801.1	Scaffold284	50291	GG	TT	1940442321
SNP_P1_179125_50302	NW_004515801.1	Scaffold284	50302	TT	AA	1940442322
SNP_P1_179127_64328	NW_004515801.1	Scaffold284	64328	TT	AA	1940442323
SNP_P1_179128_79862	NW_004515801.1	Scaffold284	79862	CC	TT	1940442324
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SNP_P1_179136_104402	NW_004515801.1	Scaffold284	104402	CC	TT	1940442331
SNP_P1_179137_104404	NW_004515801.1	Scaffold284	104404	TT	GG	1940442332
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SNP_P1_179139_104419	NW_004515801.1	Scaffold284	104419	CC	TT	1940442334
SNP_P1_179140_104480	NW_004515801.1	Scaffold284	104480	GG	TT	1940442335
SNP_P1_179142_105263	NW_004515801.1	Scaffold284	105263	GG	AA	1940442336
SNP_P1_179143_105266	NW_004515801.1	Scaffold284	105266	TT	CC	1940442337
SNP_P1_179144_105276	NW_004515801.1	Scaffold284	105276	TT	GG	1940442338
SNP_P1_179145_119304	NW_004515801.1	Scaffold284	119304	TT	GG	1940442339
SNP_P1_179146_119306	NW_004515801.1	Scaffold284	119306	TT	CC	1940442340
SNP_P1_179147_128179	NW_004515801.1	Scaffold284	128179	TT	CC	1940442341
SNP_P1_179148_128201	NW_004515801.1	Scaffold284	128201	CC	TT	1940442342
SNP_P1_179149_128271	NW_004515801.1	Scaffold284	128271	GG	AA	1940442343

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179151_128284	NW_004515801.1	Scaffold284	128284	AA	CC	1940442345
SNP_P1_179152_142591	NW_004515801.1	Scaffold284	142591	AA	TT	1940442346
SNP_P1_179154_206950	NW_004515801.1	Scaffold284	206950	TT	GG	1940442347
SNP_P1_179155_206955	NW_004515801.1	Scaffold284	206955	AA	GG	1940442348
SNP_P1_179156_207032	NW_004515801.1	Scaffold284	207032	AA	GG	1940442349
SNP_P1_179157_207167	NW_004515801.1	Scaffold284	207167	CC	TT	1940442350
SNP_P1_179158_207176	NW_004515801.1	Scaffold284	207176	CC	TT	1940442351
SNP_P1_179159_207339	NW_004515801.1	Scaffold284	207339	TT	GG	1940442353
SNP_P1_179160_210094	NW_004515801.1	Scaffold284	210094	GG	AA	1940442354
SNP_P1_179162_253014	NW_004515801.1	Scaffold284	253014	TT	CC	1940442355
SNP_P1_179163_257130	NW_004515801.1	Scaffold284	257130	TT	CC	1940442356
SNP_P1_179164_257134	NW_004515801.1	Scaffold284	257134	TT	AA	1940442357
SNP_P1_179165_257141	NW_004515801.1	Scaffold284	257141	CC	TT	1940442358
SNP_P1_179166_257170	NW_004515801.1	Scaffold284	257170	CC	AA	1940442359
SNP_P1_179167_257181	NW_004515801.1	Scaffold284	257181	TT	CC	1940442360
SNP_P1_179168_257184	NW_004515801.1	Scaffold284	257184	AA	TT	1940442361
SNP_P1_179169_257186	NW_004515801.1	Scaffold284	257186	AA	GG	1940442362
SNP_P1_179170_257210	NW_004515801.1	Scaffold284	257210	GG	AA	1940442363
SNP_P1_179171_257246	NW_004515801.1	Scaffold284	257246	CC	TT	1940442364
SNP_P1_179172_257251	NW_004515801.1	Scaffold284	257251	GG	AA	1940442365
SNP_P1_179173_257252	NW_004515801.1	Scaffold284	257252	AA	TT	1940442366
SNP_P1_179174_257435	NW_004515801.1	Scaffold284	257435	CC	AA	1940442367
SNP_P1_179175_257441	NW_004515801.1	Scaffold284	257441	GG	AA	1940442368
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SNP_P1_179177_257557	NW_004515801.1	Scaffold284	257557	GG	TT	1940442370
SNP_P1_179178_257560	NW_004515801.1	Scaffold284	257560	AA	GG	1940442371
SNP_P1_179179_266872	NW_004515801.1	Scaffold284	266872	AA	CC	1940442372
SNP_P1_179180_328545	NW_004515801.1	Scaffold284	328545	AA	TT	1940442373
SNP_P1_179181_352335	NW_004515801.1	Scaffold284	352335	AA	GG	1940442374
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SNP_P1_179183_352672	NW_004515801.1	Scaffold284	352672	AA	GG	1940442376
SNP_P1_179184_352906	NW_004515801.1	Scaffold284	352906	GG	TT	1940442377
SNP_P1_179185_352945	NW_004515801.1	Scaffold284	352945	AA	GG	1940442378
SNP_P1_179186_353079	NW_004515801.1	Scaffold284	353079	TT	AA	1940442379
SNP_P1_179187_353197	NW_004515801.1	Scaffold284	353197	GG	AA	1940442380
SNP_P1_179188_353317	NW_004515801.1	Scaffold284	353317	AA	TT	1940442381
SNP_P1_179189_353392	NW_004515801.1	Scaffold284	353392	TT	CC	1940442382
SNP_P1_179190_373714	NW_004515801.1	Scaffold284	373714	AA	GG	1940442383
SNP_P1_179191_391528	NW_004515801.1	Scaffold284	391528	GG	TT	1940442384
SNP_P1_179193_448589	NW_004515801.1	Scaffold284	448589	TT	CC	1940442385
SNP_P1_179194_462474	NW_004515801.1	Scaffold284	462474	CC	TT	1940442386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_179195_463245	NW_004515801.1	Scaffold284	463245	CC	AA	1940442387
SNP_P1_179196_463254	NW_004515801.1	Scaffold284	463254	TT	GG	1940442388
SNP_P1_179197_463987	NW_004515801.1	Scaffold284	463987	CC	TT	1940442389
SNP_P1_179198_465821	NW_004515801.1	Scaffold284	465821	CC	TT	1940442390
SNP_P1_179199_470420	NW_004515801.1	Scaffold284	470420	CC	TT	1940442391
SNP_P1_179200_472743	NW_004515801.1	Scaffold284	472743	CC	TT	1940442392
SNP_P1_179201_472928	NW_004515801.1	Scaffold284	472928	AA	CC	1940442393
SNP_P1_179202_473093	NW_004515801.1	Scaffold284	473093	AA	GG	1940442394
SNP_P1_179204_479887	NW_004515801.1	Scaffold284	479887	CC	GG	1940442395
SNP_P1_179205_479890	NW_004515801.1	Scaffold284	479890	AA	GG	1940442396
SNP_P1_179206_479896	NW_004515801.1	Scaffold284	479896	GG	TT	1940442397
SNP_P1_179207_480519	NW_004515801.1	Scaffold284	480519	AA	TT	1940442398
SNP_P1_179210_530021	NW_004515801.1	Scaffold284	530021	CC	AA	1940442399
SNP_P1_179211_531572	NW_004515801.1	Scaffold284	531572	AA	GG	1940442400
SNP_P1_179212_534330	NW_004515801.1	Scaffold284	534330	CC	GG	1940442401
SNP_P1_179213_537236	NW_004515801.1	Scaffold284	537236	GG	TT	1940442402
SNP_P1_179214_661070	NW_004515801.1	Scaffold284	661070	CC	TT	1940442403
SNP_P1_179216_709735	NW_004515801.1	Scaffold284	709735	CC	GG	1940442404
SNP_P1_179218_722304	NW_004515801.1	Scaffold284	722304	GG	AA	1940442405
SNP_P1_179219_722895	NW_004515801.1	Scaffold284	722895	CC	TT	1940442406
SNP_P1_179220_753369	NW_004515801.1	Scaffold284	753369	AA	GG	1940442407
SNP_P1_179221_753385	NW_004515801.1	Scaffold284	753385	CC	TT	1940442408
SNP_P1_179222_753694	NW_004515801.1	Scaffold284	753694	AA	GG	1940442409
SNP_P1_179223_754901	NW_004515801.1	Scaffold284	754901	GG	AA	1940442410
SNP_P1_179224_761274	NW_004515801.1	Scaffold284	761274	AA	TT	1940442411
SNP_P1_179225_761346	NW_004515801.1	Scaffold284	761346	AA	GG	1940442412
SNP_P1_179226_762789	NW_004515801.1	Scaffold284	762789	CC	AA	1940442413
SNP_P1_179227_766120	NW_004515801.1	Scaffold284	766120	CC	TT	1940442414
SNP_P1_179228_766553	NW_004515801.1	Scaffold284	766553	CC	TT	1940442415
SNP_P1_179229_766623	NW_004515801.1	Scaffold284	766623	AA	CC	1940442416
SNP_P1_179230_766637	NW_004515801.1	Scaffold284	766637	CC	TT	1940442417
SNP_P1_179231_771311	NW_004515801.1	Scaffold284	771311	TT	CC	1940442418
SNP_P1_179232_771334	NW_004515801.1	Scaffold284	771334	GG	AA	1940442419
SNP_P1_179233_778528	NW_004515801.1	Scaffold284	778528	CC	TT	1940442420
SNP_P1_179234_803196	NW_004515801.1	Scaffold284	803196	TT	CC	1940442421
SNP_P1_179235_803441	NW_004515801.1	Scaffold284	803441	TT	GG	1940442422
SNP_P1_179236_803445	NW_004515801.1	Scaffold284	803445	GG	TT	1940442423
SNP_P1_179237_803460	NW_004515801.1	Scaffold284	803460	TT	GG	1940442424
SNP_P1_179238_803466	NW_004515801.1	Scaffold284	803466	CC	TT	1940442425
SNP_P1_179239_803885	NW_004515801.1	Scaffold284	803885	GG	TT	1940442426
SNP_P1_179242_829049	NW_004515801.1	Scaffold284	829049	TT	AA	1940442427
SNP_P1_179243_861402	NW_004515801.1	Scaffold284	861402	CC	GG	1940442428

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179245_871058	NW_004515801.1	Scaffold284	871058	AA	TT	1940442430
SNP_P1_179246_871060	NW_004515801.1	Scaffold284	871060	GG	AA	1940442431
SNP_P1_179247_871072	NW_004515801.1	Scaffold284	871072	AA	CC	1940442432
SNP_P1_179248_902093	NW_004515801.1	Scaffold284	902093	TT	AA	1940442433
SNP_P1_179249_902098	NW_004515801.1	Scaffold284	902098	CC	AA	1940442434
SNP_P1_179250_902101	NW_004515801.1	Scaffold284	902101	AA	GG	1940442435
SNP_P1_179251_902108	NW_004515801.1	Scaffold284	902108	TT	CC	1940442436
SNP_P1_179252_902109	NW_004515801.1	Scaffold284	902109	GG	TT	1940442437
SNP_P1_179253_902112	NW_004515801.1	Scaffold284	902112	AA	TT	1940442438
SNP_P1_179254_902114	NW_004515801.1	Scaffold284	902114	TT	AA	1940442439
SNP_P1_179255_902124	NW_004515801.1	Scaffold284	902124	GG	TT	1940442440
SNP_P1_179256_902128	NW_004515801.1	Scaffold284	902128	AA	CC	1940442441
SNP_P1_179257_902137	NW_004515801.1	Scaffold284	902137	AA	CC	1940442442
SNP_P1_179258_902139	NW_004515801.1	Scaffold284	902139	CC	GG	1940442443
SNP_P1_179259_908304	NW_004515801.1	Scaffold284	908304	CC	AA	1940442444
SNP_P1_179260_909238	NW_004515801.1	Scaffold284	909238	GG	TT	1940442445
SNP_P1_179261_910179	NW_004515801.1	Scaffold284	910179	AA	GG	1940442446
SNP_P1_179262_915520	NW_004515801.1	Scaffold284	915520	GG	AA	1940442447
SNP_P1_179263_18511	NW_004515803.1	Scaffold287	18511	AA	TT	1940442448
SNP_P1_179264_18542	NW_004515803.1	Scaffold287	18542	GG	AA	1940442449
SNP_P1_179265_18551	NW_004515803.1	Scaffold287	18551	GG	TT	1940442450
SNP_P1_179266_19178	NW_004515803.1	Scaffold287	19178	TT	CC	1940442451
SNP_P1_179267_19223	NW_004515803.1	Scaffold287	19223	GG	CC	1940442452
SNP_P1_179268_19253	NW_004515803.1	Scaffold287	19253	AA	TT	1940442453
SNP_P1_179269_19257	NW_004515803.1	Scaffold287	19257	TT	GG	1940442454
SNP_P1_179270_19334	NW_004515803.1	Scaffold287	19334	TT	GG	1940442455
SNP_P1_179271_19341	NW_004515803.1	Scaffold287	19341	AA	GG	1940442456
SNP_P1_179272_19429	NW_004515803.1	Scaffold287	19429	AA	TT	1940442457
SNP_P1_179273_19462	NW_004515803.1	Scaffold287	19462	TT	GG	1940442458
SNP_P1_179274_19499	NW_004515803.1	Scaffold287	19499	GG	AA	1940442459
SNP_P1_179275_19513	NW_004515803.1	Scaffold287	19513	TT	AA	1940442460
SNP_P1_179276_19519	NW_004515803.1	Scaffold287	19519	TT	AA	1940442461
SNP_P1_179277_19534	NW_004515803.1	Scaffold287	19534	TT	CC	1940442462
SNP_P1_179278_19565	NW_004515803.1	Scaffold287	19565	TT	GG	1940442463
SNP_P1_179279_19571	NW_004515803.1	Scaffold287	19571	AA	CC	1940442464
SNP_P1_179280_19662	NW_004515803.1	Scaffold287	19662	TT	GG	1940442465
SNP_P1_179281_19674	NW_004515803.1	Scaffold287	19674	GG	CC	1940442466
SNP_P1_179282_19703	NW_004515803.1	Scaffold287	19703	AA	GG	1940442467
SNP_P1_179283_19704	NW_004515803.1	Scaffold287	19704	GG	TT	1940442468
SNP_P1_179284_21483	NW_004515803.1	Scaffold287	21483	CC	GG	1940442469
SNP_P1_179286_21495	NW_004515803.1	Scaffold287	21495	CC	GG	1940442470

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179288_22268	NW_004515803.1	Scaffold287	22268	GG	TT	1940442472
SNP_P1_179289_22419	NW_004515803.1	Scaffold287	22419	CC	TT	1940442473
SNP_P1_179290_22669	NW_004515803.1	Scaffold287	22669	TT	CC	1940442474
SNP_P1_179291_22725	NW_004515803.1	Scaffold287	22725	AA	GG	1940442475
SNP_P1_179292_22732	NW_004515803.1	Scaffold287	22732	GG	AA	1940442476
SNP_P1_179293_22752	NW_004515803.1	Scaffold287	22752	AA	GG	1940442477
SNP_P1_179294_22759	NW_004515803.1	Scaffold287	22759	GG	CC	1940442478
SNP_P1_179295_22971	NW_004515803.1	Scaffold287	22971	GG	TT	1940442479
SNP_P1_179297_26693	NW_004515803.1	Scaffold287	26693	TT	GG	1940442480
SNP_P1_179298_27171	NW_004515803.1	Scaffold287	27171	TT	CC	1940442481
SNP_P1_179299_27201	NW_004515803.1	Scaffold287	27201	CC	TT	1940442482
SNP_P1_179300_27552	NW_004515803.1	Scaffold287	27552	AA	GG	1940442483
SNP_P1_179301_27568	NW_004515803.1	Scaffold287	27568	GG	TT	1940442484
SNP_P1_179302_27618	NW_004515803.1	Scaffold287	27618	AA	TT	1940442485
SNP_P1_179304_62066	NW_004515803.1	Scaffold287	62066	AA	CC	1940442486
SNP_P1_179305_62083	NW_004515803.1	Scaffold287	62083	CC	AA	1940442487
SNP_P1_179306_62086	NW_004515803.1	Scaffold287	62086	AA	GG	1940442488
SNP_P1_179307_62293	NW_004515803.1	Scaffold287	62293	AA	GG	1940442489
SNP_P1_179308_83646	NW_004515803.1	Scaffold287	83646	GG	AA	1940442490
SNP_P1_179309_84454	NW_004515803.1	Scaffold287	84454	GG	TT	1940442491
SNP_P1_179310_84477	NW_004515803.1	Scaffold287	84477	AA	GG	1940442492
SNP_P1_179311_84798	NW_004515803.1	Scaffold287	84798	CC	GG	1940442493
SNP_P1_179312_84824	NW_004515803.1	Scaffold287	84824	CC	GG	1940442494
SNP_P1_179313_84835	NW_004515803.1	Scaffold287	84835	TT	CC	1940442495
SNP_P1_179314_84838	NW_004515803.1	Scaffold287	84838	AA	TT	1940442496
SNP_P1_179315_84899	NW_004515803.1	Scaffold287	84899	GG	TT	1940442497
SNP_P1_179316_94400	NW_004515803.1	Scaffold287	94400	AA	GG	1940442498
SNP_P1_179317_106134	NW_004515803.1	Scaffold287	106134	TT	GG	1940442500
SNP_P1_179318_106189	NW_004515803.1	Scaffold287	106189	AA	GG	1940442501
SNP_P1_179319_137065	NW_004515803.1	Scaffold287	137065	CC	TT	1940442502
SNP_P1_179320_137477	NW_004515803.1	Scaffold287	137477	TT	AA	1940442503
SNP_P1_179321_137484	NW_004515803.1	Scaffold287	137484	GG	TT	1940442504
SNP_P1_179323_138076	NW_004515803.1	Scaffold287	138076	CC	TT	1940442505
SNP_P1_179324_138086	NW_004515803.1	Scaffold287	138086	AA	CC	1940442506
SNP_P1_179325_138087	NW_004515803.1	Scaffold287	138087	TT	AA	1940442507
SNP_P1_179326_138099	NW_004515803.1	Scaffold287	138099	CC	TT	1940442508
SNP_P1_179327_138100	NW_004515803.1	Scaffold287	138100	TT	GG	1940442509
SNP_P1_179328_138101	NW_004515803.1	Scaffold287	138101	CC	AA	1940442510
SNP_P1_179329_138112	NW_004515803.1	Scaffold287	138112	TT	AA	1940442511
SNP_P1_179330_138118	NW_004515803.1	Scaffold287	138118	AA	TT	1940442512
SNP_P1_179331_138125	NW_004515803.1	Scaffold287	138125	GG	TT	1940442513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179333_170444	NW_004515803.1	Scaffold287	170444	GG	TT	1940442515
SNP_P1_179334_170746	NW_004515803.1	Scaffold287	170746	TT	GG	1940442516
SNP_P1_179335_170758	NW_004515803.1	Scaffold287	170758	TT	AA	1940442517
SNP_P1_179336_170765	NW_004515803.1	Scaffold287	170765	TT	AA	1940442518
SNP_P1_179337_170809	NW_004515803.1	Scaffold287	170809	AA	CC	1940442519
SNP_P1_179338_170810	NW_004515803.1	Scaffold287	170810	TT	CC	1940442520
SNP_P1_179339_170812	NW_004515803.1	Scaffold287	170812	CC	TT	1940442521
SNP_P1_179340_170828	NW_004515803.1	Scaffold287	170828	AA	CC	1940442522
SNP_P1_179341_170865	NW_004515803.1	Scaffold287	170865	TT	CC	1940442523
SNP_P1_179342_180530	NW_004515803.1	Scaffold287	180530	TT	GG	1940442524
SNP_P1_179343_180536	NW_004515803.1	Scaffold287	180536	TT	GG	1940442525
SNP_P1_179344_180537	NW_004515803.1	Scaffold287	180537	GG	TT	1940442526
SNP_P1_179345_180558	NW_004515803.1	Scaffold287	180558	TT	CC	1940442527
SNP_P1_179346_180844	NW_004515803.1	Scaffold287	180844	GG	TT	1940442528
SNP_P1_179347_180846	NW_004515803.1	Scaffold287	180846	TT	GG	1940442529
SNP_P1_179349_186470	NW_004515803.1	Scaffold287	186470	CC	TT	1940442530
SNP_P1_179350_205335	NW_004515803.1	Scaffold287	205335	GG	AA	1940442531
SNP_P1_179351_205623	NW_004515803.1	Scaffold287	205623	GG	CC	1940442532
SNP_P1_179352_213434	NW_004515803.1	Scaffold287	213434	TT	CC	1940442533
SNP_P1_179353_221886	NW_004515803.1	Scaffold287	221886	TT	GG	1940442534
SNP_P1_179354_244961	NW_004515803.1	Scaffold287	244961	AA	CC	1940442535
SNP_P1_179355_258484	NW_004515803.1	Scaffold287	258484	AA	GG	1940442536
SNP_P1_179356_258512	NW_004515803.1	Scaffold287	258512	CC	TT	1940442537
SNP_P1_179357_258571	NW_004515803.1	Scaffold287	258571	AA	GG	1940442538
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SNP_P1_179359_269485	NW_004515803.1	Scaffold287	269485	CC	TT	1940442540
SNP_P1_179360_274030	NW_004515803.1	Scaffold287	274030	AA	GG	1940442541
SNP_P1_179361_278913	NW_004515803.1	Scaffold287	278913	CC	AA	1940442542
SNP_P1_179362_289722	NW_004515803.1	Scaffold287	289722	GG	TT	1940442543
SNP_P1_179363_289731	NW_004515803.1	Scaffold287	289731	GG	CC	1940442544
SNP_P1_179365_317075	NW_004515803.1	Scaffold287	317075	TT	GG	1940442545
SNP_P1_179366_317907	NW_004515803.1	Scaffold287	317907	AA	GG	1940442546
SNP_P1_179367_330153	NW_004515803.1	Scaffold287	330153	CC	TT	1940442547
SNP_P1_179368_351842	NW_004515803.1	Scaffold287	351842	AA	GG	1940442548
SNP_P1_179369_356247	NW_004515803.1	Scaffold287	356247	CC	TT	1940442549
SNP_P1_179370_6014	NW_004515804.1	Scaffold288	6014	GG	CC	1940442550
SNP_P1_179371_4403	NW_004515805.1	Scaffold290	4403	TT	GG	1940442551
SNP_P1_179372_8697	NW_004515805.1	Scaffold290	8697	TT	GG	1940442552
SNP_P1_179373_8712	NW_004515805.1	Scaffold290	8712	TT	CC	1940442553
SNP_P1_179374_8922	NW_004515805.1	Scaffold290	8922	TT	CC	1940442554
SNP_P1_179375_8973	NW_004515805.1	Scaffold290	8973	TT	GG	1940442555

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179377_12634	NW_004515805.1	Scaffold290	12634	CC	TT	1940442557
SNP_P1_179378_13823	NW_004515805.1	Scaffold290	13823	TT	AA	1940442558
SNP_P1_179379_13831	NW_004515805.1	Scaffold290	13831	AA	TT	1940442559
SNP_P1_179380_13931	NW_004515805.1	Scaffold290	13931	CC	TT	1940442560
SNP_P1_179381_14075	NW_004515805.1	Scaffold290	14075	CC	AA	1940442561
SNP_P1_179382_14110	NW_004515805.1	Scaffold290	14110	CC	AA	1940442562
SNP_P1_179383_32074	NW_004515805.1	Scaffold290	32074	CC	AA	1940442563
SNP_P1_179384_33731	NW_004515805.1	Scaffold290	33731	CC	AA	1940442564
SNP_P1_179385_34980	NW_004515805.1	Scaffold290	34980	GG	AA	1940442565
SNP_P1_179386_35241	NW_004515805.1	Scaffold290	35241	GG	AA	1940442566
SNP_P1_179387_35332	NW_004515805.1	Scaffold290	35332	CC	TT	1940442567
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SNP_P1_179389_37355	NW_004515805.1	Scaffold290	37355	GG	TT	1940442569
SNP_P1_179390_40886	NW_004515805.1	Scaffold290	40886	TT	CC	1940442570
SNP_P1_179391_41173	NW_004515805.1	Scaffold290	41173	CC	TT	1940442571
SNP_P1_179392_41203	NW_004515805.1	Scaffold290	41203	AA	TT	1940442572
SNP_P1_179393_41438	NW_004515805.1	Scaffold290	41438	GG	AA	1940442573
SNP_P1_179394_41493	NW_004515805.1	Scaffold290	41493	CC	TT	1940442574
SNP_P1_179395_41683	NW_004515805.1	Scaffold290	41683	CC	TT	1940442575
SNP_P1_179396_41689	NW_004515805.1	Scaffold290	41689	TT	GG	1940442576
SNP_P1_179397_44835	NW_004515805.1	Scaffold290	44835	AA	CC	1940442577
SNP_P1_179398_44836	NW_004515805.1	Scaffold290	44836	TT	AA	1940442578
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SNP_P1_179400_44974	NW_004515805.1	Scaffold290	44974	CC	TT	1940442580
SNP_P1_179401_45093	NW_004515805.1	Scaffold290	45093	TT	AA	1940442581
SNP_P1_179402_45561	NW_004515805.1	Scaffold290	45561	GG	AA	1940442582
SNP_P1_179403_46892	NW_004515805.1	Scaffold290	46892	TT	CC	1940442583
SNP_P1_179404_51496	NW_004515805.1	Scaffold290	51496	AA	GG	1940442584
SNP_P1_179405_55424	NW_004515805.1	Scaffold290	55424	GG	AA	1940442585
SNP_P1_179406_60325	NW_004515805.1	Scaffold290	60325	AA	TT	1940442586
SNP_P1_179407_60822	NW_004515805.1	Scaffold290	60822	AA	GG	1940442587
SNP_P1_179408_61119	NW_004515805.1	Scaffold290	61119	AA	CC	1940442588
SNP_P1_179409_62585	NW_004515805.1	Scaffold290	62585	AA	GG	1940442589
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SNP_P1_179412_66761	NW_004515805.1	Scaffold290	66761	GG	AA	1940442592
SNP_P1_179413_69107	NW_004515805.1	Scaffold290	69107	GG	AA	1940442593
SNP_P1_179414_73886	NW_004515805.1	Scaffold290	73886	CC	TT	1940442594
SNP_P1_179415_75237	NW_004515805.1	Scaffold290	75237	CC	TT	1940442595
SNP_P1_179416_78180	NW_004515805.1	Scaffold290	78180	TT	AA	1940442596
SNP_P1_179417_78181	NW_004515805.1	Scaffold290	78181	TT	GG	1940442597

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_179418_90394	NW_004515805.1	Scaffold290	90394	TT	CC	1940442598
SNP_P1_179419_91277	NW_004515805.1	Scaffold290	91277	CC	TT	1940442599
SNP_P1_179420_91601	NW_004515805.1	Scaffold290	91601	AA	GG	1940442600
SNP_P1_179422_96681	NW_004515805.1	Scaffold290	96681	GG	AA	1940442601
SNP_P1_179423_96978	NW_004515805.1	Scaffold290	96978	TT	CC	1940442602
SNP_P1_179425_99470	NW_004515805.1	Scaffold290	99470	GG	AA	1940442603
SNP_P1_179426_102605	NW_004515805.1	Scaffold290	102605	CC	TT	1940442604
SNP_P1_179427_106455	NW_004515805.1	Scaffold290	106455	TT	CC	1940442605
SNP_P1_179428_107618	NW_004515805.1	Scaffold290	107618	AA	CC	1940442606
SNP_P1_179429_110441	NW_004515805.1	Scaffold290	110441	TT	CC	1940442607
SNP_P1_179431_112857	NW_004515805.1	Scaffold290	112857	GG	AA	1940442608
SNP_P1_179433_115518	NW_004515805.1	Scaffold290	115518	AA	GG	1940442609
SNP_P1_179434_117115	NW_004515805.1	Scaffold290	117115	CC	TT	1940442610
SNP_P1_179435_117729	NW_004515805.1	Scaffold290	117729	GG	TT	1940442611
SNP_P1_179436_118322	NW_004515805.1	Scaffold290	118322	CC	TT	1940442612
SNP_P1_179438_122795	NW_004515805.1	Scaffold290	122795	TT	AA	1940442613
SNP_P1_179440_123957	NW_004515805.1	Scaffold290	123957	GG	TT	1940442614
SNP_P1_179442_125664	NW_004515805.1	Scaffold290	125664	AA	GG	1940442615
SNP_P1_179444_128532	NW_004515805.1	Scaffold290	128532	AA	GG	1940442616
SNP_P1_179445_133206	NW_004515805.1	Scaffold290	133206	CC	GG	1940442617
SNP_P1_179446_133860	NW_004515805.1	Scaffold290	133860	CC	TT	1940442618
SNP_P1_179447_134123	NW_004515805.1	Scaffold290	134123	TT	GG	1940442619
SNP_P1_179448_134127	NW_004515805.1	Scaffold290	134127	AA	GG	1940442620
SNP_P1_179449_135327	NW_004515805.1	Scaffold290	135327	AA	TT	1940442621
SNP_P1_179450_135948	NW_004515805.1	Scaffold290	135948	AA	GG	1940442622
SNP_P1_179451_136402	NW_004515805.1	Scaffold290	136402	GG	AA	1940442623
SNP_P1_179452_136424	NW_004515805.1	Scaffold290	136424	TT	CC	1940442624
SNP_P1_179453_136431	NW_004515805.1	Scaffold290	136431	CC	TT	1940442625
SNP_P1_179454_137792	NW_004515805.1	Scaffold290	137792	TT	CC	1940442626
SNP_P1_179455_138431	NW_004515805.1	Scaffold290	138431	AA	TT	1940442627
SNP_P1_179456_138778	NW_004515805.1	Scaffold290	138778	GG	AA	1940442628
SNP_P1_179457_140396	NW_004515805.1	Scaffold290	140396	AA	CC	1940442629
SNP_P1_179458_141215	NW_004515805.1	Scaffold290	141215	CC	TT	1940442630
SNP_P1_179459_141516	NW_004515805.1	Scaffold290	141516	AA	TT	1940442631
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SNP_P1_179461_142739	NW_004515805.1	Scaffold290	142739	CC	TT	1940442633
SNP_P1_179462_143735	NW_004515805.1	Scaffold290	143735	TT	CC	1940442634
SNP_P1_179463_143736	NW_004515805.1	Scaffold290	143736	GG	AA	1940442635
SNP_P1_179464_145002	NW_004515805.1	Scaffold290	145002	TT	CC	1940442636
SNP_P1_179465_146483	NW_004515805.1	Scaffold290	146483	CC	TT	1940442637
SNP_P1_179466_146502	NW_004515805.1	Scaffold290	146502	TT	AA	1940442638
SNP_P1_179467_146871	NW_004515805.1	Scaffold290	146871	TT	CC	1940442639

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179469_150485	NW_004515805.1	Scaffold290	150485	TT	CC	1940442641
SNP_P1_179470_150599	NW_004515805.1	Scaffold290	150599	TT	CC	1940442642
SNP_P1_179471_153352	NW_004515805.1	Scaffold290	153352	AA	GG	1940442644
SNP_P1_179472_153693	NW_004515805.1	Scaffold290	153693	TT	GG	1940442645
SNP_P1_179473_154099	NW_004515805.1	Scaffold290	154099	GG	AA	1940442646
SNP_P1_179474_154743	NW_004515805.1	Scaffold290	154743	TT	GG	1940442647
SNP_P1_179475_154796	NW_004515805.1	Scaffold290	154796	CC	TT	1940442648
SNP_P1_179476_155243	NW_004515805.1	Scaffold290	155243	TT	CC	1940442649
SNP_P1_179477_157555	NW_004515805.1	Scaffold290	157555	CC	TT	1940442650
SNP_P1_179478_158832	NW_004515805.1	Scaffold290	158832	GG	AA	1940442651
SNP_P1_179479_161641	NW_004515805.1	Scaffold290	161641	CC	TT	1940442652
SNP_P1_179480_163162	NW_004515805.1	Scaffold290	163162	TT	AA	1940442653
SNP_P1_179481_170933	NW_004515805.1	Scaffold290	170933	TT	GG	1940442654
SNP_P1_179482_171723	NW_004515805.1	Scaffold290	171723	GG	AA	1940442655
SNP_P1_179483_172179	NW_004515805.1	Scaffold290	172179	AA	CC	1940442656
SNP_P1_179484_174311	NW_004515805.1	Scaffold290	174311	TT	CC	1940442657
SNP_P1_179485_174426	NW_004515805.1	Scaffold290	174426	AA	GG	1940442658
SNP_P1_179488_178536	NW_004515805.1	Scaffold290	178536	GG	CC	1940442659
SNP_P1_179489_178743	NW_004515805.1	Scaffold290	178743	GG	AA	1940442660
SNP_P1_179490_178746	NW_004515805.1	Scaffold290	178746	TT	AA	1940442661
SNP_P1_179491_182858	NW_004515805.1	Scaffold290	182858	CC	TT	1940442662
SNP_P1_179492_182917	NW_004515805.1	Scaffold290	182917	AA	GG	1940442663
SNP_P1_179493_184849	NW_004515805.1	Scaffold290	184849	AA	GG	1940442664
SNP_P1_179494_185020	NW_004515805.1	Scaffold290	185020	TT	AA	1940442665
SNP_P1_179495_186216	NW_004515805.1	Scaffold290	186216	AA	CC	1940442666
SNP_P1_179496_187734	NW_004515805.1	Scaffold290	187734	AA	TT	1940442667
SNP_P1_179497_188435	NW_004515805.1	Scaffold290	188435	TT	CC	1940442668
SNP_P1_179499_191007	NW_004515805.1	Scaffold290	191007	TT	CC	1940442669
SNP_P1_179500_193505	NW_004515805.1	Scaffold290	193505	AA	CC	1940442670
SNP_P1_179501_193845	NW_004515805.1	Scaffold290	193845	CC	AA	1940442671
SNP_P1_179502_197232	NW_004515805.1	Scaffold290	197232	GG	AA	1940442672
SNP_P1_179503_200315	NW_004515805.1	Scaffold290	200315	CC	GG	1940442673
SNP_P1_179504_200929	NW_004515805.1	Scaffold290	200929	TT	CC	1940442674
SNP_P1_179505_200963	NW_004515805.1	Scaffold290	200963	TT	CC	1940442675
SNP_P1_179506_200974	NW_004515805.1	Scaffold290	200974	TT	CC	1940442676
SNP_P1_179507_201028	NW_004515805.1	Scaffold290	201028	CC	TT	1940442677
SNP_P1_179508_201344	NW_004515805.1	Scaffold290	201344	TT	AA	1940442678
SNP_P1_179512_208458	NW_004515805.1	Scaffold290	208458	AA	GG	1940442679
SNP_P1_179513_209395	NW_004515805.1	Scaffold290	209395	GG	AA	1940442680
SNP_P1_179514_210783	NW_004515805.1	Scaffold290	210783	AA	GG	1940442681
SNP_P1_179515_210788	NW_004515805.1	Scaffold290	210788	AA	CC	1940442682

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179517_213020	NW_004515805.1	Scaffold290	213020	CC	GG	1940442684
SNP_P1_179518_215841	NW_004515805.1	Scaffold290	215841	TT	CC	1940442685
SNP_P1_179519_223848	NW_004515805.1	Scaffold290	223848	AA	TT	1940442686
SNP_P1_179520_228225	NW_004515805.1	Scaffold290	228225	TT	CC	1940442687
SNP_P1_179522_233593	NW_004515805.1	Scaffold290	233593	CC	TT	1940442688
SNP_P1_179524_236310	NW_004515805.1	Scaffold290	236310	TT	CC	1940442689
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SNP_P1_179526_250707	NW_004515805.1	Scaffold290	250707	TT	GG	1940442691
SNP_P1_179527_250847	NW_004515805.1	Scaffold290	250847	TT	CC	1940442692
SNP_P1_179528_250893	NW_004515805.1	Scaffold290	250893	CC	TT	1940442693
SNP_P1_179529_250951	NW_004515805.1	Scaffold290	250951	TT	CC	1940442694
SNP_P1_179530_251112	NW_004515805.1	Scaffold290	251112	CC	TT	1940442695
SNP_P1_179531_251371	NW_004515805.1	Scaffold290	251371	AA	GG	1940442696
SNP_P1_179532_251390	NW_004515805.1	Scaffold290	251390	GG	AA	1940442697
SNP_P1_179533_251400	NW_004515805.1	Scaffold290	251400	GG	AA	1940442698
SNP_P1_179534_251415	NW_004515805.1	Scaffold290	251415	AA	GG	1940442699
SNP_P1_179535_251679	NW_004515805.1	Scaffold290	251679	CC	AA	1940442700
SNP_P1_179536_251693	NW_004515805.1	Scaffold290	251693	GG	AA	1940442701
SNP_P1_179537_251714	NW_004515805.1	Scaffold290	251714	TT	CC	1940442702
SNP_P1_179538_251988	NW_004515805.1	Scaffold290	251988	AA	CC	1940442703
SNP_P1_179539_252002	NW_004515805.1	Scaffold290	252002	CC	GG	1940442704
SNP_P1_179540_252005	NW_004515805.1	Scaffold290	252005	TT	CC	1940442705
SNP_P1_179541_252090	NW_004515805.1	Scaffold290	252090	TT	AA	1940442706
SNP_P1_179542_252152	NW_004515805.1	Scaffold290	252152	TT	CC	1940442707
SNP_P1_179543_252196	NW_004515805.1	Scaffold290	252196	AA	GG	1940442708
SNP_P1_179544_252204	NW_004515805.1	Scaffold290	252204	TT	CC	1940442709
SNP_P1_179545_252509	NW_004515805.1	Scaffold290	252509	CC	TT	1940442710
SNP_P1_179546_252520	NW_004515805.1	Scaffold290	252520	GG	AA	1940442711
SNP_P1_179547_252529	NW_004515805.1	Scaffold290	252529	CC	GG	1940442712
SNP_P1_179548_252538	NW_004515805.1	Scaffold290	252538	GG	AA	1940442713
SNP_P1_179549_252965	NW_004515805.1	Scaffold290	252965	CC	TT	1940442714
SNP_P1_179550_252979	NW_004515805.1	Scaffold290	252979	GG	TT	1940442715
SNP_P1_179551_258206	NW_004515805.1	Scaffold290	258206	AA	CC	1940442716
SNP_P1_179552_271108	NW_004515805.1	Scaffold290	271108	TT	CC	1940442717
SNP_P1_179553_272212	NW_004515805.1	Scaffold290	272212	AA	TT	1940442718
SNP_P1_179554_272893	NW_004515805.1	Scaffold290	272893	CC	GG	1940442719
SNP_P1_179555_274663	NW_004515805.1	Scaffold290	274663	CC	AA	1940442720
SNP_P1_179556_275648	NW_004515805.1	Scaffold290	275648	TT	CC	1940442721
SNP_P1_179558_281667	NW_004515805.1	Scaffold290	281667	GG	AA	1940442722
SNP_P1_179559_282538	NW_004515805.1	Scaffold290	282538	AA	GG	1940442723
SNP_P1_179560_283502	NW_004515805.1	Scaffold290	283502	CC	TT	1940442724

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179563_292572	NW_004515805.1	Scaffold290	292572	CC	TT	1940442726
SNP_P1_179566_294422	NW_004515805.1	Scaffold290	294422	TT	AA	1940442727
SNP_P1_179567_294753	NW_004515805.1	Scaffold290	294753	GG	AA	1940442728
SNP_P1_179568_294767	NW_004515805.1	Scaffold290	294767	GG	TT	1940442729
SNP_P1_179569_295016	NW_004515805.1	Scaffold290	295016	GG	AA	1940442730
SNP_P1_179571_299496	NW_004515805.1	Scaffold290	299496	GG	AA	1940442731
SNP_P1_179572_299553	NW_004515805.1	Scaffold290	299553	AA	GG	1940442732
SNP_P1_179573_300670	NW_004515805.1	Scaffold290	300670	AA	TT	1940442733
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SNP_P1_179577_304117	NW_004515805.1	Scaffold290	304117	CC	TT	1940442736
SNP_P1_179579_305854	NW_004515805.1	Scaffold290	305854	AA	GG	1940442737
SNP_P1_179580_306189	NW_004515805.1	Scaffold290	306189	GG	TT	1940442738
SNP_P1_179581_306392	NW_004515805.1	Scaffold290	306392	TT	GG	1940442739
SNP_P1_179582_306445	NW_004515805.1	Scaffold290	306445	CC	GG	1940442740
SNP_P1_179583_307018	NW_004515805.1	Scaffold290	307018	CC	TT	1940442741
SNP_P1_179584_307056	NW_004515805.1	Scaffold290	307056	AA	CC	1940442742
SNP_P1_179585_309152	NW_004515805.1	Scaffold290	309152	AA	TT	1940442743
SNP_P1_179586_309187	NW_004515805.1	Scaffold290	309187	GG	AA	1940442744
SNP_P1_179587_309201	NW_004515805.1	Scaffold290	309201	AA	GG	1940442745
SNP_P1_179588_309215	NW_004515805.1	Scaffold290	309215	CC	GG	1940442746
SNP_P1_179589_309218	NW_004515805.1	Scaffold290	309218	CC	TT	1940442747
SNP_P1_179590_309260	NW_004515805.1	Scaffold290	309260	GG	TT	1940442748
SNP_P1_179591_312144	NW_004515805.1	Scaffold290	312144	GG	AA	1940442749
SNP_P1_179592_312315	NW_004515805.1	Scaffold290	312315	CC	TT	1940442750
SNP_P1_179593_312357	NW_004515805.1	Scaffold290	312357	GG	AA	1940442751
SNP_P1_179594_312376	NW_004515805.1	Scaffold290	312376	CC	TT	1940442752
SNP_P1_179597_317167	NW_004515805.1	Scaffold290	317167	GG	AA	1940442753
SNP_P1_179598_317174	NW_004515805.1	Scaffold290	317174	CC	GG	1940442754
SNP_P1_179600_330071	NW_004515805.1	Scaffold290	330071	AA	CC	1940442755
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SNP_P1_179602_337017	NW_004515805.1	Scaffold290	337017	CC	TT	1940442757
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SNP_P1_179605_339888	NW_004515805.1	Scaffold290	339888	CC	GG	1940442759
SNP_P1_179606_341583	NW_004515805.1	Scaffold290	341583	GG	AA	1940442760
SNP_P1_179607_341602	NW_004515805.1	Scaffold290	341602	TT	CC	1940442761
SNP_P1_179608_342995	NW_004515805.1	Scaffold290	342995	AA	CC	1940442762
SNP_P1_179609_343545	NW_004515805.1	Scaffold290	343545	GG	AA	1940442763
SNP_P1_179610_348277	NW_004515805.1	Scaffold290	348277	CC	TT	1940442764
SNP_P1_179611_348919	NW_004515805.1	Scaffold290	348919	TT	GG	1940442765
SNP_P1_179613_361613	NW_004515805.1	Scaffold290	361613	GG	AA	1940442766

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179615_372766	NW_004515805.1	Scaffold290	372766	AA	CC	1940442768
SNP_P1_179616_373123	NW_004515805.1	Scaffold290	373123	AA	GG	1940442769
SNP_P1_179617_373177	NW_004515805.1	Scaffold290	373177	GG	AA	1940442770
SNP_P1_179618_375803	NW_004515805.1	Scaffold290	375803	TT	CC	1940442771
SNP_P1_179620_377932	NW_004515805.1	Scaffold290	377932	GG	TT	1940442772
SNP_P1_179621_380741	NW_004515805.1	Scaffold290	380741	AA	GG	1940442773
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SNP_P1_179623_381433	NW_004515805.1	Scaffold290	381433	TT	CC	1940442775
SNP_P1_179624_381711	NW_004515805.1	Scaffold290	381711	GG	AA	1940442776
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SNP_P1_179626_389782	NW_004515805.1	Scaffold290	389782	CC	AA	1940442778
SNP_P1_179627_391167	NW_004515805.1	Scaffold290	391167	GG	TT	1940442779
SNP_P1_179628_391482	NW_004515805.1	Scaffold290	391482	AA	CC	1940442780
SNP_P1_179629_391790	NW_004515805.1	Scaffold290	391790	CC	GG	1940442781
SNP_P1_179630_392525	NW_004515805.1	Scaffold290	392525	AA	GG	1940442782
SNP_P1_179631_392721	NW_004515805.1	Scaffold290	392721	TT	CC	1940442783
SNP_P1_179632_393299	NW_004515805.1	Scaffold290	393299	TT	CC	1940442784
SNP_P1_179633_393639	NW_004515805.1	Scaffold290	393639	TT	CC	1940442785
SNP_P1_179634_397822	NW_004515805.1	Scaffold290	397822	AA	TT	1940442786
SNP_P1_179635_398369	NW_004515805.1	Scaffold290	398369	CC	TT	1940442787
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SNP_P1_179638_399267	NW_004515805.1	Scaffold290	399267	CC	TT	1940442789
SNP_P1_179640_400935	NW_004515805.1	Scaffold290	400935	AA	TT	1940442790
SNP_P1_179641_405458	NW_004515805.1	Scaffold290	405458	AA	GG	1940442791
SNP_P1_179642_406112	NW_004515805.1	Scaffold290	406112	AA	CC	1940442793
SNP_P1_179643_407155	NW_004515805.1	Scaffold290	407155	CC	TT	1940442794
SNP_P1_179644_408169	NW_004515805.1	Scaffold290	408169	TT	CC	1940442795
SNP_P1_179645_408242	NW_004515805.1	Scaffold290	408242	TT	CC	1940442796
SNP_P1_179646_414253	NW_004515805.1	Scaffold290	414253	AA	GG	1940442797
SNP_P1_179647_416569	NW_004515805.1	Scaffold290	416569	CC	TT	1940442798
SNP_P1_179649_422895	NW_004515805.1	Scaffold290	422895	TT	CC	1940442799
SNP_P1_179650_424505	NW_004515805.1	Scaffold290	424505	TT	GG	1940442800
SNP_P1_179651_426070	NW_004515805.1	Scaffold290	426070	GG	AA	1940442801
SNP_P1_179652_427126	NW_004515805.1	Scaffold290	427126	TT	CC	1940442802
SNP_P1_179656_433256	NW_004515805.1	Scaffold290	433256	GG	AA	1940442803
SNP_P1_179657_433957	NW_004515805.1	Scaffold290	433957	TT	GG	1940442804
SNP_P1_179660_435993	NW_004515805.1	Scaffold290	435993	AA	GG	1940442805
SNP_P1_179663_445718	NW_004515805.1	Scaffold290	445718	TT	CC	1940442806
SNP_P1_179664_446236	NW_004515805.1	Scaffold290	446236	AA	TT	1940442807
SNP_P1_179667_453572	NW_004515805.1	Scaffold290	453572	GG	AA	1940442808
SNP_P1_179668_454816	NW_004515805.1	Scaffold290	454816	AA	GG	1940442809

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_179669_454823	NW_004515805.1	Scaffold290	454823	CC	AA	1940442810
SNP_P1_179670_459188	NW_004515805.1	Scaffold290	459188	GG	AA	1940442811
SNP_P1_179671_459807	NW_004515805.1	Scaffold290	459807	TT	AA	1940442812
SNP_P1_179672_467677	NW_004515805.1	Scaffold290	467677	GG	AA	1940442813
SNP_P1_179673_467808	NW_004515805.1	Scaffold290	467808	AA	TT	1940442814
SNP_P1_179675_471787	NW_004515805.1	Scaffold290	471787	GG	AA	1940442815
SNP_P1_179676_473948	NW_004515805.1	Scaffold290	473948	CC	TT	1940442816
SNP_P1_179677_474181	NW_004515805.1	Scaffold290	474181	GG	TT	1940442817
SNP_P1_179678_487423	NW_004515805.1	Scaffold290	487423	CC	TT	1940442818
SNP_P1_179679_488931	NW_004515805.1	Scaffold290	488931	TT	AA	1940442819
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SNP_P1_179681_489730	NW_004515805.1	Scaffold290	489730	TT	CC	1940442821
SNP_P1_179682_489940	NW_004515805.1	Scaffold290	489940	TT	GG	1940442822
SNP_P1_179683_489997	NW_004515805.1	Scaffold290	489997	AA	GG	1940442823
SNP_P1_179684_492352	NW_004515805.1	Scaffold290	492352	CC	TT	1940442824
SNP_P1_179685_493193	NW_004515805.1	Scaffold290	493193	AA	CC	1940442825
SNP_P1_179686_494951	NW_004515805.1	Scaffold290	494951	CC	TT	1940442826
SNP_P1_179687_495202	NW_004515805.1	Scaffold290	495202	CC	TT	1940442827
SNP_P1_179688_496690	NW_004515805.1	Scaffold290	496690	AA	GG	1940442828
SNP_P1_179689_497292	NW_004515805.1	Scaffold290	497292	AA	GG	1940442829
SNP_P1_179690_499851	NW_004515805.1	Scaffold290	499851	GG	AA	1940442830
SNP_P1_179691_499954	NW_004515805.1	Scaffold290	499954	CC	TT	1940442831
SNP_P1_179692_500017	NW_004515805.1	Scaffold290	500017	AA	GG	1940442832
SNP_P1_179693_500031	NW_004515805.1	Scaffold290	500031	CC	TT	1940442833
SNP_P1_179694_500066	NW_004515805.1	Scaffold290	500066	AA	GG	1940442834
SNP_P1_179695_500068	NW_004515805.1	Scaffold290	500068	AA	GG	1940442835
SNP_P1_179696_500078	NW_004515805.1	Scaffold290	500078	TT	GG	1940442836
SNP_P1_179697_500380	NW_004515805.1	Scaffold290	500380	TT	CC	1940442837
SNP_P1_179698_500438	NW_004515805.1	Scaffold290	500438	TT	CC	1940442838
SNP_P1_179699_500449	NW_004515805.1	Scaffold290	500449	AA	GG	1940442839
SNP_P1_179700_500468	NW_004515805.1	Scaffold290	500468	AA	TT	1940442840
SNP_P1_179701_500472	NW_004515805.1	Scaffold290	500472	TT	AA	1940442841
SNP_P1_179702_504840	NW_004515805.1	Scaffold290	504840	TT	CC	1940442842
SNP_P1_179703_505589	NW_004515805.1	Scaffold290	505589	AA	TT	1940442843
SNP_P1_179704_506207	NW_004515805.1	Scaffold290	506207	CC	AA	1940442844
SNP_P1_179705_506665	NW_004515805.1	Scaffold290	506665	GG	AA	1940442845
SNP_P1_179706_506667	NW_004515805.1	Scaffold290	506667	GG	AA	1940442846
SNP_P1_179707_506669	NW_004515805.1	Scaffold290	506669	GG	CC	1940442847
SNP_P1_179708_506671	NW_004515805.1	Scaffold290	506671	GG	TT	1940442848
SNP_P1_179709_511444	NW_004515805.1	Scaffold290	511444	TT	CC	1940442849
SNP_P1_179710_512684	NW_004515805.1	Scaffold290	512684	CC	TT	1940442850
SNP_P1_179711_512708	NW_004515805.1	Scaffold290	512708	GG	TT	1940442851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179713_512837	NW_004515805.1	Scaffold290	512837	TT	CC	1940442853
SNP_P1_179714_513338	NW_004515805.1	Scaffold290	513338	CC	GG	1940442854
SNP_P1_179715_514697	NW_004515805.1	Scaffold290	514697	AA	GG	1940442855
SNP_P1_179718_544450	NW_004515805.1	Scaffold290	544450	TT	CC	1940442856
SNP_P1_179719_544517	NW_004515805.1	Scaffold290	544517	TT	CC	1940442857
SNP_P1_179720_544518	NW_004515805.1	Scaffold290	544518	CC	TT	1940442858
SNP_P1_179721_544533	NW_004515805.1	Scaffold290	544533	CC	AA	1940442859
SNP_P1_179722_544623	NW_004515805.1	Scaffold290	544623	AA	GG	1940442860
SNP_P1_179723_544653	NW_004515805.1	Scaffold290	544653	AA	GG	1940442861
SNP_P1_179725_544858	NW_004515805.1	Scaffold290	544858	GG	AA	1940442862
SNP_P1_179726_546779	NW_004515805.1	Scaffold290	546779	AA	GG	1940442863
SNP_P1_179727_550663	NW_004515805.1	Scaffold290	550663	CC	GG	1940442864
SNP_P1_179728_551140	NW_004515805.1	Scaffold290	551140	AA	GG	1940442865
SNP_P1_179730_551953	NW_004515805.1	Scaffold290	551953	TT	AA	1940442866
SNP_P1_179731_554073	NW_004515805.1	Scaffold290	554073	TT	AA	1940442867
SNP_P1_179732_555121	NW_004515805.1	Scaffold290	555121	TT	CC	1940442868
SNP_P1_179733_557805	NW_004515805.1	Scaffold290	557805	CC	TT	1940442869
SNP_P1_179734_561500	NW_004515805.1	Scaffold290	561500	TT	CC	1940442870
SNP_P1_179735_561511	NW_004515805.1	Scaffold290	561511	GG	TT	1940442871
SNP_P1_179736_561594	NW_004515805.1	Scaffold290	561594	GG	AA	1940442872
SNP_P1_179737_561767	NW_004515805.1	Scaffold290	561767	TT	CC	1940442873
SNP_P1_179738_561791	NW_004515805.1	Scaffold290	561791	AA	GG	1940442874
SNP_P1_179739_561837	NW_004515805.1	Scaffold290	561837	TT	AA	1940442875
SNP_P1_179740_561843	NW_004515805.1	Scaffold290	561843	GG	AA	1940442876
SNP_P1_179741_562004	NW_004515805.1	Scaffold290	562004	CC	TT	1940442877
SNP_P1_179743_571682	NW_004515805.1	Scaffold290	571682	CC	AA	1940442878
SNP_P1_179744_571699	NW_004515805.1	Scaffold290	571699	AA	GG	1940442879
SNP_P1_179745_571709	NW_004515805.1	Scaffold290	571709	AA	GG	1940442880
SNP_P1_179746_571717	NW_004515805.1	Scaffold290	571717	TT	CC	1940442881
SNP_P1_179747_572089	NW_004515805.1	Scaffold290	572089	CC	TT	1940442882
SNP_P1_179748_572090	NW_004515805.1	Scaffold290	572090	AA	CC	1940442883
SNP_P1_179749_572091	NW_004515805.1	Scaffold290	572091	AA	GG	1940442884
SNP_P1_179750_572100	NW_004515805.1	Scaffold290	572100	TT	CC	1940442885
SNP_P1_179751_572129	NW_004515805.1	Scaffold290	572129	TT	AA	1940442886
SNP_P1_179752_572155	NW_004515805.1	Scaffold290	572155	CC	TT	1940442887
SNP_P1_179753_572159	NW_004515805.1	Scaffold290	572159	TT	CC	1940442888
SNP_P1_179754_572171	NW_004515805.1	Scaffold290	572171	TT	CC	1940442889
SNP_P1_179755_572173	NW_004515805.1	Scaffold290	572173	AA	CC	1940442890
SNP_P1_179756_572231	NW_004515805.1	Scaffold290	572231	TT	CC	1940442891
SNP_P1_179757_572249	NW_004515805.1	Scaffold290	572249	AA	GG	1940442892
SNP_P1_179758_572275	NW_004515805.1	Scaffold290	572275	AA	TT	1940442893

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179760_572331	NW_004515805.1	Scaffold290	572331	AA	TT	1940442895
SNP_P1_179761_572611	NW_004515805.1	Scaffold290	572611	AA	GG	1940442896
SNP_P1_179764_575440	NW_004515805.1	Scaffold290	575440	GG	AA	1940442897
SNP_P1_179765_579150	NW_004515805.1	Scaffold290	579150	GG	AA	1940442898
SNP_P1_179766_587632	NW_004515805.1	Scaffold290	587632	TT	GG	1940442899
SNP_P1_179767_590160	NW_004515805.1	Scaffold290	590160	TT	GG	1940442900
SNP_P1_179768_590167	NW_004515805.1	Scaffold290	590167	TT	AA	1940442901
SNP_P1_179769_590897	NW_004515805.1	Scaffold290	590897	CC	TT	1940442902
SNP_P1_179771_604716	NW_004515805.1	Scaffold290	604716	GG	TT	1940442903
SNP_P1_179772_605010	NW_004515805.1	Scaffold290	605010	CC	TT	1940442904
SNP_P1_179773_605107	NW_004515805.1	Scaffold290	605107	AA	CC	1940442905
SNP_P1_179775_605959	NW_004515805.1	Scaffold290	605959	GG	TT	1940442906
SNP_P1_179777_607322	NW_004515805.1	Scaffold290	607322	TT	CC	1940442907
SNP_P1_179778_613471	NW_004515805.1	Scaffold290	613471	AA	GG	1940442908
SNP_P1_179779_613664	NW_004515805.1	Scaffold290	613664	TT	CC	1940442909
SNP_P1_179780_613863	NW_004515805.1	Scaffold290	613863	CC	TT	1940442910
SNP_P1_179781_615997	NW_004515805.1	Scaffold290	615997	TT	GG	1940442911
SNP_P1_179782_617460	NW_004515805.1	Scaffold290	617460	AA	CC	1940442912
SNP_P1_179783_618416	NW_004515805.1	Scaffold290	618416	CC	TT	1940442913
SNP_P1_179784_618462	NW_004515805.1	Scaffold290	618462	CC	GG	1940442914
SNP_P1_179785_618640	NW_004515805.1	Scaffold290	618640	GG	AA	1940442915
SNP_P1_179786_618974	NW_004515805.1	Scaffold290	618974	TT	CC	1940442916
SNP_P1_179787_620577	NW_004515805.1	Scaffold290	620577	TT	GG	1940442917
SNP_P1_179790_628917	NW_004515805.1	Scaffold290	628917	CC	TT	1940442918
SNP_P1_179791_630775	NW_004515805.1	Scaffold290	630775	CC	TT	1940442919
SNP_P1_179793_636449	NW_004515805.1	Scaffold290	636449	CC	AA	1940442920
SNP_P1_179794_637146	NW_004515805.1	Scaffold290	637146	AA	GG	1940442921
SNP_P1_179795_639210	NW_004515805.1	Scaffold290	639210	CC	TT	1940442922
SNP_P1_179796_639631	NW_004515805.1	Scaffold290	639631	AA	GG	1940442923
SNP_P1_179797_640007	NW_004515805.1	Scaffold290	640007	CC	TT	1940442924
SNP_P1_179798_640921	NW_004515805.1	Scaffold290	640921	TT	AA	1940442925
SNP_P1_179799_641104	NW_004515805.1	Scaffold290	641104	CC	TT	1940442926
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SNP_P1_179802_647631	NW_004515805.1	Scaffold290	647631	AA	GG	1940442928
SNP_P1_179803_647665	NW_004515805.1	Scaffold290	647665	AA	GG	1940442929
SNP_P1_179804_648023	NW_004515805.1	Scaffold290	648023	AA	GG	1940442930
SNP_P1_179805_649328	NW_004515805.1	Scaffold290	649328	TT	AA	1940442931
SNP_P1_179806_655853	NW_004515805.1	Scaffold290	655853	CC	TT	1940442932
SNP_P1_179807_660228	NW_004515805.1	Scaffold290	660228	AA	GG	1940442933
SNP_P1_179808_661116	NW_004515805.1	Scaffold290	661116	GG	TT	1940442934
SNP_P1_179809_664622	NW_004515805.1	Scaffold290	664622	AA	GG	1940442935

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179811_666933	NW_004515805.1	Scaffold290	666933	CC	TT	1940442938
SNP_P1_179812_669891	NW_004515805.1	Scaffold290	669891	GG	CC	1940442939
SNP_P1_179813_670140	NW_004515805.1	Scaffold290	670140	CC	TT	1940442940
SNP_P1_179814_670685	NW_004515805.1	Scaffold290	670685	TT	CC	1940442941
SNP_P1_179815_670900	NW_004515805.1	Scaffold290	670900	AA	GG	1940442942
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SNP_P1_179817_672028	NW_004515805.1	Scaffold290	672028	GG	AA	1940442944
SNP_P1_179818_673427	NW_004515805.1	Scaffold290	673427	CC	TT	1940442945
SNP_P1_179819_674096	NW_004515805.1	Scaffold290	674096	CC	TT	1940442946
SNP_P1_179820_674377	NW_004515805.1	Scaffold290	674377	CC	TT	1940442947
SNP_P1_179822_675012	NW_004515805.1	Scaffold290	675012	GG	AA	1940442948
SNP_P1_179823_675475	NW_004515805.1	Scaffold290	675475	GG	AA	1940442949
SNP_P1_179824_675492	NW_004515805.1	Scaffold290	675492	TT	CC	1940442950
SNP_P1_179826_679791	NW_004515805.1	Scaffold290	679791	AA	GG	1940442951
SNP_P1_179827_680099	NW_004515805.1	Scaffold290	680099	TT	CC	1940442952
SNP_P1_179828_680125	NW_004515805.1	Scaffold290	680125	GG	AA	1940442953
SNP_P1_179829_680335	NW_004515805.1	Scaffold290	680335	AA	GG	1940442954
SNP_P1_179830_680540	NW_004515805.1	Scaffold290	680540	CC	TT	1940442955
SNP_P1_179831_680820	NW_004515805.1	Scaffold290	680820	CC	AA	1940442956
SNP_P1_179833_681579	NW_004515805.1	Scaffold290	681579	TT	CC	1940442957
SNP_P1_179834_690991	NW_004515805.1	Scaffold290	690991	TT	CC	1940442958
SNP_P1_179835_691771	NW_004515805.1	Scaffold290	691771	AA	GG	1940442959
SNP_P1_179836_691823	NW_004515805.1	Scaffold290	691823	GG	TT	1940442960
SNP_P1_179837_697679	NW_004515805.1	Scaffold290	697679	AA	GG	1940442961
SNP_P1_179838_698561	NW_004515805.1	Scaffold290	698561	CC	TT	1940442962
SNP_P1_179839_698995	NW_004515805.1	Scaffold290	698995	GG	TT	1940442963
SNP_P1_179840_700081	NW_004515805.1	Scaffold290	700081	AA	GG	1940442964
SNP_P1_179842_701292	NW_004515805.1	Scaffold290	701292	GG	AA	1940442965
SNP_P1_179843_701315	NW_004515805.1	Scaffold290	701315	CC	TT	1940442966
SNP_P1_179844_702592	NW_004515805.1	Scaffold290	702592	TT	CC	1940442967
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SNP_P1_179846_706004	NW_004515805.1	Scaffold290	706004	GG	AA	1940442969
SNP_P1_179847_706005	NW_004515805.1	Scaffold290	706005	AA	TT	1940442970
SNP_P1_179849_709724	NW_004515805.1	Scaffold290	709724	CC	GG	1940442971
SNP_P1_179850_711136	NW_004515805.1	Scaffold290	711136	TT	GG	1940442972
SNP_P1_179851_711220	NW_004515805.1	Scaffold290	711220	AA	GG	1940442973
SNP_P1_179853_712499	NW_004515805.1	Scaffold290	712499	AA	GG	1940442974
SNP_P1_179854_712718	NW_004515805.1	Scaffold290	712718	TT	CC	1940442975
SNP_P1_179857_721106	NW_004515805.1	Scaffold290	721106	GG	CC	1940442976
SNP_P1_179858_721483	NW_004515805.1	Scaffold290	721483	CC	TT	1940442977
SNP_P1_179859_726934	NW_004515805.1	Scaffold290	726934	GG	CC	1940442978

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179862_728754	NW_004515805.1	Scaffold290	728754	GG	TT	1940442981
SNP_P1_179863_729098	NW_004515805.1	Scaffold290	729098	AA	TT	1940442982
SNP_P1_179864_729372	NW_004515805.1	Scaffold290	729372	TT	CC	1940442983
SNP_P1_179865_729384	NW_004515805.1	Scaffold290	729384	TT	CC	1940442984
SNP_P1_179866_729551	NW_004515805.1	Scaffold290	729551	TT	CC	1940442985
SNP_P1_179868_731095	NW_004515805.1	Scaffold290	731095	GG	AA	1940442986
SNP_P1_179869_731850	NW_004515805.1	Scaffold290	731850	TT	AA	1940442987
SNP_P1_179870_731940	NW_004515805.1	Scaffold290	731940	AA	GG	1940442988
SNP_P1_179872_736664	NW_004515805.1	Scaffold290	736664	CC	TT	1940442989
SNP_P1_179873_738870	NW_004515805.1	Scaffold290	738870	CC	TT	1940442990
SNP_P1_179874_747681	NW_004515805.1	Scaffold290	747681	GG	AA	1940442991
SNP_P1_179875_749137	NW_004515805.1	Scaffold290	749137	GG	AA	1940442992
SNP_P1_179876_750069	NW_004515805.1	Scaffold290	750069	GG	AA	1940442993
SNP_P1_179879_751455	NW_004515805.1	Scaffold290	751455	AA	GG	1940442994
SNP_P1_179880_751581	NW_004515805.1	Scaffold290	751581	GG	CC	1940442995
SNP_P1_179881_752018	NW_004515805.1	Scaffold290	752018	TT	CC	1940442996
SNP_P1_179882_752342	NW_004515805.1	Scaffold290	752342	GG	AA	1940442997
SNP_P1_179883_753260	NW_004515805.1	Scaffold290	753260	CC	TT	1940442998
SNP_P1_179884_753399	NW_004515805.1	Scaffold290	753399	CC	AA	1940442999
SNP_P1_179885_754303	NW_004515805.1	Scaffold290	754303	TT	AA	1940443000
SNP_P1_179887_755526	NW_004515805.1	Scaffold290	755526	AA	CC	1940443001
SNP_P1_179888_757675	NW_004515805.1	Scaffold290	757675	CC	TT	1940443002
SNP_P1_179889_759642	NW_004515805.1	Scaffold290	759642	TT	CC	1940443003
SNP_P1_179890_761704	NW_004515805.1	Scaffold290	761704	GG	AA	1940443004
SNP_P1_179891_762663	NW_004515805.1	Scaffold290	762663	AA	TT	1940443005
SNP_P1_179893_763745	NW_004515805.1	Scaffold290	763745	AA	CC	1940443006
SNP_P1_179894_763780	NW_004515805.1	Scaffold290	763780	TT	AA	1940443007
SNP_P1_179895_764044	NW_004515805.1	Scaffold290	764044	TT	CC	1940443008
SNP_P1_179896_764095	NW_004515805.1	Scaffold290	764095	CC	AA	1940443009
SNP_P1_179898_769015	NW_004515805.1	Scaffold290	769015	GG	TT	1940443010
SNP_P1_179899_769345	NW_004515805.1	Scaffold290	769345	AA	GG	1940443011
SNP_P1_179900_770217	NW_004515805.1	Scaffold290	770217	GG	TT	1940443012
SNP_P1_179901_771814	NW_004515805.1	Scaffold290	771814	GG	AA	1940443013
SNP_P1_179902_774404	NW_004515805.1	Scaffold290	774404	CC	TT	1940443014
SNP_P1_179903_774437	NW_004515805.1	Scaffold290	774437	GG	AA	1940443015
SNP_P1_179904_775377	NW_004515805.1	Scaffold290	775377	TT	GG	1940443016
SNP_P1_179905_777267	NW_004515805.1	Scaffold290	777267	TT	CC	1940443017
SNP_P1_179906_777539	NW_004515805.1	Scaffold290	777539	GG	AA	1940443018
SNP_P1_179907_777912	NW_004515805.1	Scaffold290	777912	TT	CC	1940443019
SNP_P1_179908_778239	NW_004515805.1	Scaffold290	778239	AA	GG	1940443020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179910_778922	NW_004515805.1	Scaffold290	778922	GG	AA	1940443022
SNP_P1_179911_780030	NW_004515805.1	Scaffold290	780030	AA	GG	1940443023
SNP_P1_179912_797325	NW_004515805.1	Scaffold290	797325	GG	AA	1940443024
SNP_P1_179913_797340	NW_004515805.1	Scaffold290	797340	CC	TT	1940443025
SNP_P1_179914_797360	NW_004515805.1	Scaffold290	797360	AA	TT	1940443026
SNP_P1_179915_797379	NW_004515805.1	Scaffold290	797379	TT	GG	1940443027
SNP_P1_179916_797388	NW_004515805.1	Scaffold290	797388	TT	CC	1940443028
SNP_P1_179917_797391	NW_004515805.1	Scaffold290	797391	CC	TT	1940443029
SNP_P1_179918_797422	NW_004515805.1	Scaffold290	797422	GG	CC	1940443030
SNP_P1_179919_797425	NW_004515805.1	Scaffold290	797425	AA	TT	1940443031
SNP_P1_179920_797438	NW_004515805.1	Scaffold290	797438	AA	GG	1940443032
SNP_P1_179921_797450	NW_004515805.1	Scaffold290	797450	TT	CC	1940443033
SNP_P1_179922_797482	NW_004515805.1	Scaffold290	797482	AA	TT	1940443034
SNP_P1_179923_797569	NW_004515805.1	Scaffold290	797569	GG	AA	1940443035
SNP_P1_179924_797692	NW_004515805.1	Scaffold290	797692	GG	AA	1940443036
SNP_P1_179925_797715	NW_004515805.1	Scaffold290	797715	GG	AA	1940443037
SNP_P1_179926_798289	NW_004515805.1	Scaffold290	798289	CC	TT	1940443038
SNP_P1_179927_803339	NW_004515805.1	Scaffold290	803339	TT	GG	1940443039
SNP_P1_179928_805285	NW_004515805.1	Scaffold290	805285	AA	CC	1940443040
SNP_P1_179929_805342	NW_004515805.1	Scaffold290	805342	AA	TT	1940443041
SNP_P1_179930_805410	NW_004515805.1	Scaffold290	805410	GG	CC	1940443042
SNP_P1_179931_809912	NW_004515805.1	Scaffold290	809912	TT	AA	1940443043
SNP_P1_179932_813522	NW_004515805.1	Scaffold290	813522	GG	AA	1940443044
SNP_P1_179933_813662	NW_004515805.1	Scaffold290	813662	GG	AA	1940443045
SNP_P1_179934_813677	NW_004515805.1	Scaffold290	813677	CC	TT	1940443046
SNP_P1_179935_813710	NW_004515805.1	Scaffold290	813710	TT	CC	1940443047
SNP_P1_179936_813722	NW_004515805.1	Scaffold290	813722	TT	CC	1940443048
SNP_P1_179937_813749	NW_004515805.1	Scaffold290	813749	AA	GG	1940443049
SNP_P1_179938_813788	NW_004515805.1	Scaffold290	813788	TT	GG	1940443050
SNP_P1_179939_813837	NW_004515805.1	Scaffold290	813837	AA	GG	1940443051
SNP_P1_179940_813851	NW_004515805.1	Scaffold290	813851	GG	CC	1940443052
SNP_P1_179941_814483	NW_004515805.1	Scaffold290	814483	TT	AA	1940443053
SNP_P1_179942_814602	NW_004515805.1	Scaffold290	814602	GG	CC	1940443054
SNP_P1_179943_815082	NW_004515805.1	Scaffold290	815082	TT	CC	1940443055
SNP_P1_179944_816219	NW_004515805.1	Scaffold290	816219	AA	CC	1940443056
SNP_P1_179945_817373	NW_004515805.1	Scaffold290	817373	AA	GG	1940443057
SNP_P1_179946_817702	NW_004515805.1	Scaffold290	817702	TT	GG	1940443058
SNP_P1_179947_818291	NW_004515805.1	Scaffold290	818291	AA	CC	1940443059
SNP_P1_179949_818508	NW_004515805.1	Scaffold290	818508	TT	AA	1940443060
SNP_P1_179950_818513	NW_004515805.1	Scaffold290	818513	AA	TT	1940443061
SNP_P1_179951_818634	NW_004515805.1	Scaffold290	818634	AA	GG	1940443062

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_179953_819171	NW_004515805.1	Scaffold290	819171	CC	AA	1940443064
SNP_P1_179954_820404	NW_004515805.1	Scaffold290	820404	TT	CC	1940443065
SNP_P1_179955_822476	NW_004515805.1	Scaffold290	822476	AA	TT	1940443067
SNP_P1_179956_822510	NW_004515805.1	Scaffold290	822510	GG	AA	1940443068
SNP_P1_179957_822546	NW_004515805.1	Scaffold290	822546	AA	GG	1940443069
SNP_P1_179958_822884	NW_004515805.1	Scaffold290	822884	GG	AA	1940443070
SNP_P1_179959_823404	NW_004515805.1	Scaffold290	823404	GG	TT	1940443071
SNP_P1_179960_823414	NW_004515805.1	Scaffold290	823414	TT	GG	1940443072
SNP_P1_179961_823884	NW_004515805.1	Scaffold290	823884	GG	TT	1940443073
SNP_P1_179962_825515	NW_004515805.1	Scaffold290	825515	AA	TT	1940443074
SNP_P1_179963_827011	NW_004515805.1	Scaffold290	827011	AA	GG	1940443075
SNP_P1_179964_828272	NW_004515805.1	Scaffold290	828272	GG	AA	1940443076
SNP_P1_179965_829363	NW_004515805.1	Scaffold290	829363	TT	GG	1940443077
SNP_P1_179966_830998	NW_004515805.1	Scaffold290	830998	TT	CC	1940443078
SNP_P1_179967_839347	NW_004515805.1	Scaffold290	839347	AA	CC	1940443079
SNP_P1_179968_844743	NW_004515805.1	Scaffold290	844743	CC	GG	1940443080
SNP_P1_179969_844964	NW_004515805.1	Scaffold290	844964	AA	GG	1940443081
SNP_P1_179970_845023	NW_004515805.1	Scaffold290	845023	CC	TT	1940443082
SNP_P1_179971_845269	NW_004515805.1	Scaffold290	845269	GG	AA	1940443083
SNP_P1_179972_845322	NW_004515805.1	Scaffold290	845322	GG	AA	1940443084
SNP_P1_179973_845334	NW_004515805.1	Scaffold290	845334	GG	CC	1940443085
SNP_P1_179974_848944	NW_004515805.1	Scaffold290	848944	GG	TT	1940443086
SNP_P1_179975_848951	NW_004515805.1	Scaffold290	848951	TT	AA	1940443087
SNP_P1_179976_848968	NW_004515805.1	Scaffold290	848968	GG	TT	1940443088
SNP_P1_179977_848988	NW_004515805.1	Scaffold290	848988	TT	GG	1940443089
SNP_P1_179978_849249	NW_004515805.1	Scaffold290	849249	CC	TT	1940443090
SNP_P1_179979_849308	NW_004515805.1	Scaffold290	849308	TT	CC	1940443091
SNP_P1_179980_851710	NW_004515805.1	Scaffold290	851710	GG	CC	1940443092
SNP_P1_179981_855245	NW_004515805.1	Scaffold290	855245	CC	TT	1940443093
SNP_P1_179982_859879	NW_004515805.1	Scaffold290	859879	GG	AA	1940443094
SNP_P1_179983_861251	NW_004515805.1	Scaffold290	861251	AA	GG	1940443095
SNP_P1_179984_861624	NW_004515805.1	Scaffold290	861624	CC	TT	1940443096
SNP_P1_179985_861683	NW_004515805.1	Scaffold290	861683	CC	GG	1940443097
SNP_P1_179986_862717	NW_004515805.1	Scaffold290	862717	CC	TT	1940443098
SNP_P1_179988_867755	NW_004515805.1	Scaffold290	867755	AA	CC	1940443099
SNP_P1_179989_868394	NW_004515805.1	Scaffold290	868394	GG	AA	1940443100
SNP_P1_179991_877477	NW_004515805.1	Scaffold290	877477	GG	AA	1940443101
SNP_P1_179994_877911	NW_004515805.1	Scaffold290	877911	AA	TT	1940443102
SNP_P1_179996_878935	NW_004515805.1	Scaffold290	878935	AA	TT	1940443103
SNP_P1_179998_879584	NW_004515805.1	Scaffold290	879584	TT	CC	1940443104
SNP_P1_179999_879617	NW_004515805.1	Scaffold290	879617	AA	TT	1940443105

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180002_888107	NW_004515805.1	Scaffold290	888107	GG	TT	1940443107
SNP_P1_180003_888124	NW_004515805.1	Scaffold290	888124	GG	CC	1940443108
SNP_P1_180005_892462	NW_004515805.1	Scaffold290	892462	TT	GG	1940443109
SNP_P1_180007_895636	NW_004515805.1	Scaffold290	895636	CC	TT	1940443110
SNP_P1_180008_897877	NW_004515805.1	Scaffold290	897877	GG	AA	1940443111
SNP_P1_180009_899671	NW_004515805.1	Scaffold290	899671	TT	GG	1940443112
SNP_P1_180010_900458	NW_004515805.1	Scaffold290	900458	CC	TT	1940443113
SNP_P1_180011_901309	NW_004515805.1	Scaffold290	901309	CC	AA	1940443114
SNP_P1_180012_906732	NW_004515805.1	Scaffold290	906732	CC	TT	1940443115
SNP_P1_180013_907159	NW_004515805.1	Scaffold290	907159	TT	CC	1940443116
SNP_P1_180015_907731	NW_004515805.1	Scaffold290	907731	CC	TT	1940443117
SNP_P1_180016_910032	NW_004515805.1	Scaffold290	910032	GG	AA	1940443118
SNP_P1_180017_2156	NW_004515806.1	Scaffold292	2156	GG	CC	1940443119
SNP_P1_180018_5219	NW_004515806.1	Scaffold292	5219	AA	GG	1940443120
SNP_P1_180019_5242	NW_004515806.1	Scaffold292	5242	AA	CC	1940443121
SNP_P1_180020_5316	NW_004515806.1	Scaffold292	5316	TT	AA	1940443122
SNP_P1_180021_5447	NW_004515806.1	Scaffold292	5447	CC	AA	1940443123
SNP_P1_180022_5498	NW_004515806.1	Scaffold292	5498	AA	CC	1940443124
SNP_P1_180023_6060	NW_004515807.1	Scaffold293	6060	AA	GG	1940443125
SNP_P1_180024_6455	NW_004515807.1	Scaffold293	6455	CC	TT	1940443126
SNP_P1_180025_10701	NW_004515807.1	Scaffold293	10701	TT	GG	1940443127
SNP_P1_180026_10709	NW_004515807.1	Scaffold293	10709	AA	CC	1940443128
SNP_P1_180027_10754	NW_004515807.1	Scaffold293	10754	TT	AA	1940443129
SNP_P1_180028_10880	NW_004515807.1	Scaffold293	10880	AA	GG	1940443130
SNP_P1_180029_11176	NW_004515807.1	Scaffold293	11176	AA	GG	1940443131
SNP_P1_180030_11178	NW_004515807.1	Scaffold293	11178	CC	AA	1940443132
SNP_P1_180031_11518	NW_004515807.1	Scaffold293	11518	TT	AA	1940443133
SNP_P1_180032_12938	NW_004515807.1	Scaffold293	12938	CC	TT	1940443134
SNP_P1_180033_12976	NW_004515807.1	Scaffold293	12976	GG	AA	1940443135
SNP_P1_180034_12983	NW_004515807.1	Scaffold293	12983	TT	AA	1940443136
SNP_P1_180035_12997	NW_004515807.1	Scaffold293	12997	TT	CC	1940443137
SNP_P1_180036_13006	NW_004515807.1	Scaffold293	13006	TT	CC	1940443138
SNP_P1_180037_13015	NW_004515807.1	Scaffold293	13015	CC	GG	1940443139
SNP_P1_180038_19964	NW_004515807.1	Scaffold293	19964	AA	TT	1940443140
SNP_P1_180039_19977	NW_004515807.1	Scaffold293	19977	AA	CC	1940443141
SNP_P1_180040_23867	NW_004515807.1	Scaffold293	23867	CC	AA	1940443142
SNP_P1_180042_30190	NW_004515807.1	Scaffold293	30190	TT	GG	1940443143
SNP_P1_180043_30222	NW_004515807.1	Scaffold293	30222	TT	CC	1940443144
SNP_P1_180044_30273	NW_004515807.1	Scaffold293	30273	GG	AA	1940443145
SNP_P1_180045_30395	NW_004515807.1	Scaffold293	30395	AA	GG	1940443146
SNP_P1_180046_30428	NW_004515807.1	Scaffold293	30428	AA	GG	1940443147

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180049_30457	NW_004515807.1	Scaffold293	30457	TT	CC	1940443149
SNP_P1_180050_30467	NW_004515807.1	Scaffold293	30467	TT	CC	1940443150
SNP_P1_180051_33685	NW_004515807.1	Scaffold293	33685	AA	GG	1940443151
SNP_P1_180052_35422	NW_004515807.1	Scaffold293	35422	TT	AA	1940443152
SNP_P1_180053_35528	NW_004515807.1	Scaffold293	35528	AA	GG	1940443153
SNP_P1_180054_42348	NW_004515807.1	Scaffold293	42348	AA	CC	1940443154
SNP_P1_180055_45782	NW_004515807.1	Scaffold293	45782	TT	AA	1940443155
SNP_P1_180056_55364	NW_004515807.1	Scaffold293	55364	TT	AA	1940443156
SNP_P1_180057_239	NW_004515808.1	Scaffold295	239	AA	GG	1940443157
SNP_P1_180058_245	NW_004515808.1	Scaffold295	245	CC	AA	1940443158
SNP_P1_180059_281	NW_004515808.1	Scaffold295	281	TT	GG	1940443159
SNP_P1_180060_363	NW_004515808.1	Scaffold295	363	TT	GG	1940443160
SNP_P1_180061_368	NW_004515808.1	Scaffold295	368	TT	AA	1940443161
SNP_P1_180062_374	NW_004515808.1	Scaffold295	374	TT	CC	1940443162
SNP_P1_180063_379	NW_004515808.1	Scaffold295	379	AA	TT	1940443163
SNP_P1_180064_395	NW_004515808.1	Scaffold295	395	CC	TT	1940443164
SNP_P1_180065_501	NW_004515808.1	Scaffold295	501	GG	AA	1940443165
SNP_P1_180066_607	NW_004515808.1	Scaffold295	607	GG	AA	1940443166
SNP_P1_180067_608	NW_004515808.1	Scaffold295	608	AA	GG	1940443167
SNP_P1_180068_610	NW_004515808.1	Scaffold295	610	AA	GG	1940443168
SNP_P1_180069_617	NW_004515808.1	Scaffold295	617	TT	AA	1940443169
SNP_P1_180070_703	NW_004515808.1	Scaffold295	703	TT	CC	1940443170
SNP_P1_180071_723	NW_004515808.1	Scaffold295	723	TT	CC	1940443171
SNP_P1_180072_844	NW_004515808.1	Scaffold295	844	GG	CC	1940443172
SNP_P1_180073_848	NW_004515808.1	Scaffold295	848	AA	GG	1940443173
SNP_P1_180074_879	NW_004515808.1	Scaffold295	879	TT	GG	1940443174
SNP_P1_180075_2511	NW_004515808.1	Scaffold295	2511	TT	GG	1940443175
SNP_P1_180076_2531	NW_004515808.1	Scaffold295	2531	AA	GG	1940443176
SNP_P1_180077_6449	NW_004515808.1	Scaffold295	6449	TT	CC	1940443177
SNP_P1_180078_7052	NW_004515808.1	Scaffold295	7052	GG	AA	1940443178
SNP_P1_180079_8310	NW_004515808.1	Scaffold295	8310	GG	TT	1940443179
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SNP_P1_180081_64	NW_004515809.1	Scaffold296	64	AA	GG	1940443181
SNP_P1_180082_10148	NW_004515809.1	Scaffold296	10148	GG	CC	1940443182
SNP_P1_180083_10167	NW_004515809.1	Scaffold296	10167	CC	TT	1940443183
SNP_P1_180084_10230	NW_004515809.1	Scaffold296	10230	CC	TT	1940443184
SNP_P1_180085_10349	NW_004515809.1	Scaffold296	10349	GG	AA	1940443185
SNP_P1_180086_10422	NW_004515809.1	Scaffold296	10422	CC	AA	1940443186
SNP_P1_180087_10592	NW_004515809.1	Scaffold296	10592	GG	AA	1940443187
SNP_P1_180088_11029	NW_004515809.1	Scaffold296	11029	AA	TT	1940443188
SNP_P1_180089_11152	NW_004515809.1	Scaffold296	11152	GG	TT	1940443189

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180091_11296	NW_004515809.1	Scaffold296	11296	CC	TT	1940443191
SNP_P1_180093_11376	NW_004515809.1	Scaffold296	11376	CC	TT	1940443192
SNP_P1_180094_11586	NW_004515809.1	Scaffold296	11586	GG	AA	1940443194
SNP_P1_180095_11829	NW_004515809.1	Scaffold296	11829	CC	TT	1940443195
SNP_P1_180096_12012	NW_004515809.1	Scaffold296	12012	TT	CC	1940443196
SNP_P1_180097_14275	NW_004515809.1	Scaffold296	14275	TT	AA	1940443197
SNP_P1_180098_14473	NW_004515809.1	Scaffold296	14473	CC	TT	1940443198
SNP_P1_180099_14800	NW_004515809.1	Scaffold296	14800	GG	AA	1940443199
SNP_P1_180100_14809	NW_004515809.1	Scaffold296	14809	CC	AA	1940443200
SNP_P1_180101_14960	NW_004515809.1	Scaffold296	14960	GG	AA	1940443201
SNP_P1_180102_15029	NW_004515809.1	Scaffold296	15029	TT	CC	1940443202
SNP_P1_180103_15212	NW_004515809.1	Scaffold296	15212	TT	CC	1940443203
SNP_P1_180104_15232	NW_004515809.1	Scaffold296	15232	TT	CC	1940443204
SNP_P1_180105_15250	NW_004515809.1	Scaffold296	15250	AA	CC	1940443205
SNP_P1_180106_15253	NW_004515809.1	Scaffold296	15253	CC	TT	1940443206
SNP_P1_180107_15320	NW_004515809.1	Scaffold296	15320	CC	TT	1940443207
SNP_P1_180108_15367	NW_004515809.1	Scaffold296	15367	AA	GG	1940443208
SNP_P1_180109_15377	NW_004515809.1	Scaffold296	15377	TT	CC	1940443209
SNP_P1_180110_15419	NW_004515809.1	Scaffold296	15419	AA	TT	1940443210
SNP_P1_180111_15424	NW_004515809.1	Scaffold296	15424	GG	AA	1940443211
SNP_P1_180112_15458	NW_004515809.1	Scaffold296	15458	GG	AA	1940443212
SNP_P1_180113_15460	NW_004515809.1	Scaffold296	15460	CC	TT	1940443213
SNP_P1_180114_15486	NW_004515809.1	Scaffold296	15486	GG	AA	1940443214
SNP_P1_180115_15507	NW_004515809.1	Scaffold296	15507	TT	CC	1940443215
SNP_P1_180116_15519	NW_004515809.1	Scaffold296	15519	AA	GG	1940443216
SNP_P1_180117_15523	NW_004515809.1	Scaffold296	15523	TT	AA	1940443217
SNP_P1_180118_15540	NW_004515809.1	Scaffold296	15540	CC	AA	1940443218
SNP_P1_180119_15572	NW_004515809.1	Scaffold296	15572	GG	AA	1940443219
SNP_P1_180120_15596	NW_004515809.1	Scaffold296	15596	CC	TT	1940443220
SNP_P1_180121_15625	NW_004515809.1	Scaffold296	15625	TT	CC	1940443221
SNP_P1_180122_15641	NW_004515809.1	Scaffold296	15641	AA	CC	1940443222
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SNP_P1_180128_15789	NW_004515809.1	Scaffold296	15789	GG	AA	1940443228
SNP_P1_180129_15791	NW_004515809.1	Scaffold296	15791	AA	CC	1940443229
SNP_P1_180130_15802	NW_004515809.1	Scaffold296	15802	CC	TT	1940443230
SNP_P1_180131_15823	NW_004515809.1	Scaffold296	15823	TT	GG	1940443231
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180134_15872	NW_004515809.1	Scaffold296	15872	GG	AA	1940443234
SNP_P1_180135_15882	NW_004515809.1	Scaffold296	15882	CC	AA	1940443235
SNP_P1_180136_15928	NW_004515809.1	Scaffold296	15928	AA	CC	1940443236
SNP_P1_180137_15992	NW_004515809.1	Scaffold296	15992	CC	AA	1940443237
SNP_P1_180138_16152	NW_004515809.1	Scaffold296	16152	AA	CC	1940443238
SNP_P1_180140_16313	NW_004515809.1	Scaffold296	16313	GG	CC	1940443239
SNP_P1_180141_16328	NW_004515809.1	Scaffold296	16328	CC	AA	1940443240
SNP_P1_180142_16336	NW_004515809.1	Scaffold296	16336	CC	TT	1940443241
SNP_P1_180143_16351	NW_004515809.1	Scaffold296	16351	CC	TT	1940443242
SNP_P1_180144_16354	NW_004515809.1	Scaffold296	16354	AA	GG	1940443243
SNP_P1_180145_16380	NW_004515809.1	Scaffold296	16380	TT	GG	1940443244
SNP_P1_180146_16409	NW_004515809.1	Scaffold296	16409	TT	CC	1940443245
SNP_P1_180147_16454	NW_004515809.1	Scaffold296	16454	TT	CC	1940443246
SNP_P1_180148_16456	NW_004515809.1	Scaffold296	16456	GG	AA	1940443247
SNP_P1_180149_16472	NW_004515809.1	Scaffold296	16472	TT	GG	1940443248
SNP_P1_180150_16496	NW_004515809.1	Scaffold296	16496	TT	CC	1940443249
SNP_P1_180151_16503	NW_004515809.1	Scaffold296	16503	TT	AA	1940443250
SNP_P1_180152_16564	NW_004515809.1	Scaffold296	16564	AA	GG	1940443251
SNP_P1_180153_16589	NW_004515809.1	Scaffold296	16589	CC	TT	1940443252
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SNP_P1_180156_16646	NW_004515809.1	Scaffold296	16646	AA	GG	1940443255
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SNP_P1_180158_16703	NW_004515809.1	Scaffold296	16703	AA	GG	1940443257
SNP_P1_180159_16730	NW_004515809.1	Scaffold296	16730	GG	TT	1940443258
SNP_P1_180160_16747	NW_004515809.1	Scaffold296	16747	AA	CC	1940443259
SNP_P1_180161_16798	NW_004515809.1	Scaffold296	16798	TT	CC	1940443260
SNP_P1_180162_16856	NW_004515809.1	Scaffold296	16856	GG	AA	1940443261
SNP_P1_180163_16867	NW_004515809.1	Scaffold296	16867	AA	TT	1940443262
SNP_P1_180164_16874	NW_004515809.1	Scaffold296	16874	TT	CC	1940443263
SNP_P1_180165_16898	NW_004515809.1	Scaffold296	16898	TT	CC	1940443264
SNP_P1_180166_16944	NW_004515809.1	Scaffold296	16944	GG	TT	1940443265
SNP_P1_180167_32240	NW_004515809.1	Scaffold296	32240	CC	AA	1940443266
SNP_P1_180168_32242	NW_004515809.1	Scaffold296	32242	GG	AA	1940443267
SNP_P1_180169_74167	NW_004515809.1	Scaffold296	74167	TT	AA	1940443268
SNP_P1_180172_78724	NW_004515809.1	Scaffold296	78724	GG	AA	1940443269
SNP_P1_180173_78771	NW_004515809.1	Scaffold296	78771	AA	GG	1940443270
SNP_P1_180174_78783	NW_004515809.1	Scaffold296	78783	GG	TT	1940443271
SNP_P1_180175_78799	NW_004515809.1	Scaffold296	78799	AA	GG	1940443272
SNP_P1_180176_78816	NW_004515809.1	Scaffold296	78816	GG	AA	1940443273
SNP_P1_180177_78837	NW_004515809.1	Scaffold296	78837	GG	AA	1940443274

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180179_78989	NW_004515809.1	Scaffold296	78989	TT	CC	1940443276
SNP_P1_180180_79092	NW_004515809.1	Scaffold296	79092	TT	GG	1940443277
SNP_P1_180181_79187	NW_004515809.1	Scaffold296	79187	AA	GG	1940443278
SNP_P1_180183_94050	NW_004515809.1	Scaffold296	94050	AA	GG	1940443279
SNP_P1_180184_105419	NW_004515809.1	Scaffold296	105419	GG	AA	1940443280
SNP_P1_180185_105420	NW_004515809.1	Scaffold296	105420	CC	TT	1940443281
SNP_P1_180186_105426	NW_004515809.1	Scaffold296	105426	AA	GG	1940443282
SNP_P1_180187_105448	NW_004515809.1	Scaffold296	105448	CC	TT	1940443283
SNP_P1_180188_105457	NW_004515809.1	Scaffold296	105457	AA	CC	1940443284
SNP_P1_180189_105487	NW_004515809.1	Scaffold296	105487	TT	CC	1940443285
SNP_P1_180190_107773	NW_004515809.1	Scaffold296	107773	GG	CC	1940443286
SNP_P1_180191_112192	NW_004515809.1	Scaffold296	112192	TT	AA	1940443287
SNP_P1_180192_113977	NW_004515809.1	Scaffold296	113977	GG	AA	1940443288
SNP_P1_180193_118236	NW_004515809.1	Scaffold296	118236	AA	TT	1940443289
SNP_P1_180194_119604	NW_004515809.1	Scaffold296	119604	AA	GG	1940443290
SNP_P1_180196_140242	NW_004515809.1	Scaffold296	140242	AA	CC	1940443291
SNP_P1_180197_192560	NW_004515809.1	Scaffold296	192560	AA	GG	1940443292
SNP_P1_180198_192594	NW_004515809.1	Scaffold296	192594	TT	GG	1940443293
SNP_P1_180199_197310	NW_004515809.1	Scaffold296	197310	GG	AA	1940443294
SNP_P1_180200_213669	NW_004515809.1	Scaffold296	213669	AA	GG	1940443295
SNP_P1_180201_222624	NW_004515809.1	Scaffold296	222624	CC	TT	1940443296
SNP_P1_180202_224696	NW_004515809.1	Scaffold296	224696	CC	TT	1940443297
SNP_P1_180203_225117	NW_004515809.1	Scaffold296	225117	CC	AA	1940443298
SNP_P1_180204_225127	NW_004515809.1	Scaffold296	225127	GG	AA	1940443299
SNP_P1_180205_225140	NW_004515809.1	Scaffold296	225140	TT	AA	1940443300
SNP_P1_180206_225151	NW_004515809.1	Scaffold296	225151	GG	CC	1940443301
SNP_P1_180207_225152	NW_004515809.1	Scaffold296	225152	AA	GG	1940443302
SNP_P1_180208_225184	NW_004515809.1	Scaffold296	225184	AA	CC	1940443303
SNP_P1_180209_231322	NW_004515809.1	Scaffold296	231322	CC	TT	1940443304
SNP_P1_180212_258950	NW_004515809.1	Scaffold296	258950	AA	GG	1940443305
SNP_P1_180213_258982	NW_004515809.1	Scaffold296	258982	CC	AA	1940443306
SNP_P1_180214_259037	NW_004515809.1	Scaffold296	259037	GG	AA	1940443307
SNP_P1_180216_259058	NW_004515809.1	Scaffold296	259058	TT	GG	1940443308
SNP_P1_180217_259141	NW_004515809.1	Scaffold296	259141	TT	AA	1940443309
SNP_P1_180218_259200	NW_004515809.1	Scaffold296	259200	AA	TT	1940443310
SNP_P1_180219_259221	NW_004515809.1	Scaffold296	259221	AA	GG	1940443311
SNP_P1_180220_259230	NW_004515809.1	Scaffold296	259230	AA	TT	1940443312
SNP_P1_180221_259231	NW_004515809.1	Scaffold296	259231	AA	TT	1940443313
SNP_P1_180222_259241	NW_004515809.1	Scaffold296	259241	AA	GG	1940443314
SNP_P1_180223_259247	NW_004515809.1	Scaffold296	259247	CC	TT	1940443315
SNP_P1_180224_259341	NW_004515809.1	Scaffold296	259341	GG	AA	1940443316

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180226_260876	NW_004515809.1	Scaffold296	260876	TT	CC	1940443318
SNP_P1_180227_261183	NW_004515809.1	Scaffold296	261183	AA	TT	1940443319
SNP_P1_180228_261194	NW_004515809.1	Scaffold296	261194	AA	GG	1940443320
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SNP_P1_180230_261254	NW_004515809.1	Scaffold296	261254	AA	GG	1940443322
SNP_P1_180231_261259	NW_004515809.1	Scaffold296	261259	TT	CC	1940443323
SNP_P1_180232_261290	NW_004515809.1	Scaffold296	261290	TT	CC	1940443324
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SNP_P1_180235_261476	NW_004515809.1	Scaffold296	261476	CC	TT	1940443326
SNP_P1_180236_261535	NW_004515809.1	Scaffold296	261535	TT	AA	1940443327
SNP_P1_180237_261545	NW_004515809.1	Scaffold296	261545	AA	TT	1940443328
SNP_P1_180238_261546	NW_004515809.1	Scaffold296	261546	AA	GG	1940443329
SNP_P1_180239_261564	NW_004515809.1	Scaffold296	261564	TT	CC	1940443330
SNP_P1_180241_261701	NW_004515809.1	Scaffold296	261701	AA	GG	1940443331
SNP_P1_180243_262010	NW_004515809.1	Scaffold296	262010	TT	CC	1940443332
SNP_P1_180244_262028	NW_004515809.1	Scaffold296	262028	CC	TT	1940443333
SNP_P1_180245_262173	NW_004515809.1	Scaffold296	262173	AA	GG	1940443334
SNP_P1_180246_262250	NW_004515809.1	Scaffold296	262250	TT	AA	1940443335
SNP_P1_180247_262296	NW_004515809.1	Scaffold296	262296	AA	GG	1940443336
SNP_P1_180248_262323	NW_004515809.1	Scaffold296	262323	CC	AA	1940443337
SNP_P1_180249_262645	NW_004515809.1	Scaffold296	262645	AA	GG	1940443338
SNP_P1_180250_262730	NW_004515809.1	Scaffold296	262730	CC	GG	1940443339
SNP_P1_180251_262755	NW_004515809.1	Scaffold296	262755	GG	AA	1940443340
SNP_P1_180252_262803	NW_004515809.1	Scaffold296	262803	AA	GG	1940443341
SNP_P1_180254_262852	NW_004515809.1	Scaffold296	262852	AA	GG	1940443343
SNP_P1_180255_263050	NW_004515809.1	Scaffold296	263050	TT	GG	1940443344
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SNP_P1_180257_264864	NW_004515809.1	Scaffold296	264864	AA	TT	1940443346
SNP_P1_180258_264867	NW_004515809.1	Scaffold296	264867	AA	CC	1940443347
SNP_P1_180259_264971	NW_004515809.1	Scaffold296	264971	TT	CC	1940443348
SNP_P1_180260_265058	NW_004515809.1	Scaffold296	265058	GG	CC	1940443349
SNP_P1_180261_265145	NW_004515809.1	Scaffold296	265145	TT	AA	1940443350
SNP_P1_180262_265208	NW_004515809.1	Scaffold296	265208	GG	CC	1940443351
SNP_P1_180263_265274	NW_004515809.1	Scaffold296	265274	GG	AA	1940443352
SNP_P1_180265_265369	NW_004515809.1	Scaffold296	265369	AA	GG	1940443353
SNP_P1_180266_265378	NW_004515809.1	Scaffold296	265378	TT	CC	1940443354
SNP_P1_180267_265435	NW_004515809.1	Scaffold296	265435	GG	TT	1940443355
SNP_P1_180268_265458	NW_004515809.1	Scaffold296	265458	TT	CC	1940443356
SNP_P1_180269_265518	NW_004515809.1	Scaffold296	265518	GG	CC	1940443357
SNP_P1_180270_265530	NW_004515809.1	Scaffold296	265530	AA	GG	1940443358
SNP_P1_180271_265584	NW_004515809.1	Scaffold296	265584	TT	CC	1940443359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180273_267850	NW_004515809.1	Scaffold296	267850	GG	AA	1940443361
SNP_P1_180274_281423	NW_004515809.1	Scaffold296	281423	AA	GG	1940443362
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SNP_P1_180277_307278	NW_004515809.1	Scaffold296	307278	TT	CC	1940443364
SNP_P1_180279_336586	NW_004515809.1	Scaffold296	336586	AA	GG	1940443365
SNP_P1_180280_336587	NW_004515809.1	Scaffold296	336587	TT	GG	1940443366
SNP_P1_180281_340781	NW_004515809.1	Scaffold296	340781	GG	AA	1940443367
SNP_P1_180282_341307	NW_004515809.1	Scaffold296	341307	GG	AA	1940443368
SNP_P1_180283_346874	NW_004515809.1	Scaffold296	346874	CC	TT	1940443369
SNP_P1_180284_349676	NW_004515809.1	Scaffold296	349676	TT	AA	1940443370
SNP_P1_180287_367732	NW_004515809.1	Scaffold296	367732	AA	GG	1940443371
SNP_P1_180288_375116	NW_004515809.1	Scaffold296	375116	TT	AA	1940443372
SNP_P1_180289_386274	NW_004515809.1	Scaffold296	386274	TT	CC	1940443373
SNP_P1_180290_391653	NW_004515809.1	Scaffold296	391653	AA	GG	1940443374
SNP_P1_180291_394112	NW_004515809.1	Scaffold296	394112	AA	TT	1940443375
SNP_P1_180292_398758	NW_004515809.1	Scaffold296	398758	AA	TT	1940443376
SNP_P1_180294_406920	NW_004515809.1	Scaffold296	406920	CC	GG	1940443377
SNP_P1_180297_434499	NW_004515809.1	Scaffold296	434499	GG	TT	1940443378
SNP_P1_180298_434519	NW_004515809.1	Scaffold296	434519	TT	CC	1940443379
SNP_P1_180299_434528	NW_004515809.1	Scaffold296	434528	CC	AA	1940443380
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SNP_P1_180305_439751	NW_004515809.1	Scaffold296	439751	AA	CC	1940443386
SNP_P1_180306_450452	NW_004515809.1	Scaffold296	450452	TT	CC	1940443387
SNP_P1_180307_450460	NW_004515809.1	Scaffold296	450460	TT	CC	1940443388
SNP_P1_180308_450468	NW_004515809.1	Scaffold296	450468	AA	TT	1940443389
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SNP_P1_180311_477783	NW_004515809.1	Scaffold296	477783	TT	CC	1940443391
SNP_P1_180312_485294	NW_004515809.1	Scaffold296	485294	GG	AA	1940443392
SNP_P1_180313_485302	NW_004515809.1	Scaffold296	485302	TT	AA	1940443393
SNP_P1_180314_485328	NW_004515809.1	Scaffold296	485328	CC	GG	1940443394
SNP_P1_180315_648	NW_004515810.1	Scaffold298	648	AA	CC	1940443395
SNP_P1_180316_937	NW_004515810.1	Scaffold298	937	CC	TT	1940443396
SNP_P1_180317_1493	NW_004515810.1	Scaffold298	1493	AA	TT	1940443397
SNP_P1_180318_1575	NW_004515810.1	Scaffold298	1575	AA	GG	1940443398
SNP_P1_180319_2106	NW_004515810.1	Scaffold298	2106	TT	CC	1940443399
SNP_P1_180320_2223	NW_004515810.1	Scaffold298	2223	TT	GG	1940443400
SNP_P1_180321_2469	NW_004515810.1	Scaffold298	2469	TT	AA	1940443401

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180326_2712	NW_004515810.1	Scaffold298	2712	CC	TT	1940443404
SNP_P1_180327_2807	NW_004515810.1	Scaffold298	2807	TT	AA	1940443405
SNP_P1_180328_2808	NW_004515810.1	Scaffold298	2808	TT	AA	1940443406
SNP_P1_180329_2917	NW_004515810.1	Scaffold298	2917	TT	AA	1940443407
SNP_P1_180330_2937	NW_004515810.1	Scaffold298	2937	AA	TT	1940443408
SNP_P1_180331_2938	NW_004515810.1	Scaffold298	2938	CC	AA	1940443409
SNP_P1_180332_2983	NW_004515810.1	Scaffold298	2983	AA	GG	1940443410
SNP_P1_180333_3194	NW_004515810.1	Scaffold298	3194	TT	AA	1940443411
SNP_P1_180334_3234	NW_004515810.1	Scaffold298	3234	GG	CC	1940443412
SNP_P1_180336_3446	NW_004515810.1	Scaffold298	3446	GG	CC	1940443413
SNP_P1_180337_3567	NW_004515810.1	Scaffold298	3567	TT	CC	1940443414
SNP_P1_180338_3606	NW_004515810.1	Scaffold298	3606	TT	AA	1940443415
SNP_P1_180340_3751	NW_004515810.1	Scaffold298	3751	TT	CC	1940443416
SNP_P1_180341_3768	NW_004515810.1	Scaffold298	3768	GG	CC	1940443417
SNP_P1_180342_3773	NW_004515810.1	Scaffold298	3773	CC	TT	1940443418
SNP_P1_180343_3777	NW_004515810.1	Scaffold298	3777	GG	AA	1940443419
SNP_P1_180344_3784	NW_004515810.1	Scaffold298	3784	CC	AA	1940443420
SNP_P1_180345_3830	NW_004515810.1	Scaffold298	3830	CC	AA	1940443421
SNP_P1_180346_4119	NW_004515810.1	Scaffold298	4119	AA	CC	1940443422
SNP_P1_180347_4163	NW_004515810.1	Scaffold298	4163	TT	GG	1940443423
SNP_P1_180348_4184	NW_004515810.1	Scaffold298	4184	TT	GG	1940443424
SNP_P1_180349_4834	NW_004515810.1	Scaffold298	4834	AA	TT	1940443425
SNP_P1_180350_5342	NW_004515810.1	Scaffold298	5342	CC	TT	1940443426
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SNP_P1_180353_7940	NW_004515810.1	Scaffold298	7940	AA	CC	1940443429
SNP_P1_180354_7987	NW_004515810.1	Scaffold298	7987	AA	TT	1940443430
SNP_P1_180356_8261	NW_004515810.1	Scaffold298	8261	TT	GG	1940443431
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SNP_P1_180359_8578	NW_004515810.1	Scaffold298	8578	CC	TT	1940443433
SNP_P1_180360_8788	NW_004515810.1	Scaffold298	8788	CC	AA	1940443434
SNP_P1_180362_9117	NW_004515810.1	Scaffold298	9117	TT	CC	1940443435
SNP_P1_180363_9494	NW_004515810.1	Scaffold298	9494	AA	TT	1940443436
SNP_P1_180364_9709	NW_004515810.1	Scaffold298	9709	TT	AA	1940443437
SNP_P1_180365_9748	NW_004515810.1	Scaffold298	9748	TT	CC	1940443438
SNP_P1_180366_9802	NW_004515810.1	Scaffold298	9802	TT	CC	1940443439
SNP_P1_180367_9816	NW_004515810.1	Scaffold298	9816	AA	TT	1940443440
SNP_P1_180368_10034	NW_004515810.1	Scaffold298	10034	TT	CC	1940443441
SNP_P1_180369_10039	NW_004515810.1	Scaffold298	10039	TT	GG	1940443442
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180372_10720	NW_004515810.1	Scaffold298	10720	GG	AA	1940443445
SNP_P1_180373_14212	NW_004515810.1	Scaffold298	14212	CC	AA	1940443446
SNP_P1_180374_14392	NW_004515810.1	Scaffold298	14392	AA	CC	1940443447
SNP_P1_180376_30449	NW_004515810.1	Scaffold298	30449	GG	AA	1940443448
SNP_P1_180377_52560	NW_004515810.1	Scaffold298	52560	AA	GG	1940443449
SNP_P1_180378_55311	NW_004515810.1	Scaffold298	55311	TT	CC	1940443450
SNP_P1_180379_55316	NW_004515810.1	Scaffold298	55316	CC	AA	1940443451
SNP_P1_180380_61723	NW_004515810.1	Scaffold298	61723	GG	AA	1940443452
SNP_P1_180381_70942	NW_004515810.1	Scaffold298	70942	TT	GG	1940443453
SNP_P1_180382_70974	NW_004515810.1	Scaffold298	70974	CC	AA	1940443454
SNP_P1_180383_71016	NW_004515810.1	Scaffold298	71016	CC	TT	1940443455
SNP_P1_180384_71054	NW_004515810.1	Scaffold298	71054	CC	AA	1940443456
SNP_P1_180385_74364	NW_004515810.1	Scaffold298	74364	AA	GG	1940443457
SNP_P1_180387_85626	NW_004515810.1	Scaffold298	85626	CC	TT	1940443458
SNP_P1_180388_95595	NW_004515810.1	Scaffold298	95595	GG	AA	1940443459
SNP_P1_180389_98344	NW_004515810.1	Scaffold298	98344	CC	TT	1940443460
SNP_P1_180390_106497	NW_004515810.1	Scaffold298	106497	TT	CC	1940443461
SNP_P1_180391_106732	NW_004515810.1	Scaffold298	106732	TT	CC	1940443462
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SNP_P1_180393_106776	NW_004515810.1	Scaffold298	106776	CC	TT	1940443464
SNP_P1_180394_107194	NW_004515810.1	Scaffold298	107194	CC	TT	1940443465
SNP_P1_180395_127098	NW_004515810.1	Scaffold298	127098	AA	GG	1940443466
SNP_P1_180396_127141	NW_004515810.1	Scaffold298	127141	CC	GG	1940443467
SNP_P1_180397_127388	NW_004515810.1	Scaffold298	127388	AA	GG	1940443468
SNP_P1_180398_127470	NW_004515810.1	Scaffold298	127470	GG	CC	1940443469
SNP_P1_180399_127511	NW_004515810.1	Scaffold298	127511	AA	CC	1940443470
SNP_P1_180401_127523	NW_004515810.1	Scaffold298	127523	AA	GG	1940443471
SNP_P1_180402_127526	NW_004515810.1	Scaffold298	127526	TT	CC	1940443472
SNP_P1_180403_132016	NW_004515810.1	Scaffold298	132016	GG	TT	1940443473
SNP_P1_180404_147866	NW_004515810.1	Scaffold298	147866	AA	GG	1940443474
SNP_P1_180405_155336	NW_004515810.1	Scaffold298	155336	GG	TT	1940443475
SNP_P1_180406_155370	NW_004515810.1	Scaffold298	155370	AA	GG	1940443476
SNP_P1_180407_155394	NW_004515810.1	Scaffold298	155394	TT	CC	1940443477
SNP_P1_180408_155408	NW_004515810.1	Scaffold298	155408	TT	GG	1940443478
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SNP_P1_180411_155700	NW_004515810.1	Scaffold298	155700	GG	AA	1940443480
SNP_P1_180413_156101	NW_004515810.1	Scaffold298	156101	AA	GG	1940443481
SNP_P1_180414_163637	NW_004515810.1	Scaffold298	163637	TT	CC	1940443482
SNP_P1_180415_166631	NW_004515810.1	Scaffold298	166631	GG	AA	1940443483
SNP_P1_180416_168037	NW_004515810.1	Scaffold298	168037	GG	AA	1940443484
SNP_P1_180417_177287	NW_004515810.1	Scaffold298	177287	CC	GG	1940443485

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180419_189915	NW_004515810.1	Scaffold298	189915	AA	GG	1940443487
SNP_P1_180420_189951	NW_004515810.1	Scaffold298	189951	AA	CC	1940443488
SNP_P1_180421_190101	NW_004515810.1	Scaffold298	190101	AA	GG	1940443489
SNP_P1_180422_190549	NW_004515810.1	Scaffold298	190549	AA	CC	1940443490
SNP_P1_180423_193600	NW_004515810.1	Scaffold298	193600	AA	CC	1940443492
SNP_P1_180424_193639	NW_004515810.1	Scaffold298	193639	TT	GG	1940443493
SNP_P1_180425_193658	NW_004515810.1	Scaffold298	193658	GG	AA	1940443494
SNP_P1_180426_194034	NW_004515810.1	Scaffold298	194034	TT	AA	1940443495
SNP_P1_180427_201695	NW_004515810.1	Scaffold298	201695	CC	GG	1940443496
SNP_P1_180428_201873	NW_004515810.1	Scaffold298	201873	CC	TT	1940443497
SNP_P1_180429_201885	NW_004515810.1	Scaffold298	201885	TT	AA	1940443498
SNP_P1_180430_201906	NW_004515810.1	Scaffold298	201906	AA	GG	1940443499
SNP_P1_180431_202012	NW_004515810.1	Scaffold298	202012	AA	GG	1940443500
SNP_P1_180432_202059	NW_004515810.1	Scaffold298	202059	AA	GG	1940443501
SNP_P1_180433_202091	NW_004515810.1	Scaffold298	202091	AA	GG	1940443502
SNP_P1_180434_202187	NW_004515810.1	Scaffold298	202187	GG	TT	1940443503
SNP_P1_180435_202225	NW_004515810.1	Scaffold298	202225	TT	CC	1940443504
SNP_P1_180436_202227	NW_004515810.1	Scaffold298	202227	TT	CC	1940443505
SNP_P1_180437_202247	NW_004515810.1	Scaffold298	202247	GG	AA	1940443506
SNP_P1_180438_204962	NW_004515810.1	Scaffold298	204962	TT	CC	1940443507
SNP_P1_180439_207801	NW_004515810.1	Scaffold298	207801	TT	AA	1940443508
SNP_P1_180440_207852	NW_004515810.1	Scaffold298	207852	TT	GG	1940443509
SNP_P1_180441_207915	NW_004515810.1	Scaffold298	207915	AA	CC	1940443510
SNP_P1_180442_207966	NW_004515810.1	Scaffold298	207966	GG	TT	1940443511
SNP_P1_180443_208076	NW_004515810.1	Scaffold298	208076	AA	GG	1940443512
SNP_P1_180446_208249	NW_004515810.1	Scaffold298	208249	CC	TT	1940443513
SNP_P1_180447_208347	NW_004515810.1	Scaffold298	208347	AA	GG	1940443514
SNP_P1_180448_208376	NW_004515810.1	Scaffold298	208376	CC	GG	1940443515
SNP_P1_180449_208381	NW_004515810.1	Scaffold298	208381	GG	AA	1940443516
SNP_P1_180450_208490	NW_004515810.1	Scaffold298	208490	GG	AA	1940443517
SNP_P1_180451_208502	NW_004515810.1	Scaffold298	208502	GG	AA	1940443518
SNP_P1_180452_208619	NW_004515810.1	Scaffold298	208619	TT	AA	1940443519
SNP_P1_180453_208620	NW_004515810.1	Scaffold298	208620	AA	TT	1940443520
SNP_P1_180454_208664	NW_004515810.1	Scaffold298	208664	AA	GG	1940443521
SNP_P1_180455_210715	NW_004515810.1	Scaffold298	210715	GG	AA	1940443522
SNP_P1_180456_210851	NW_004515810.1	Scaffold298	210851	GG	TT	1940443523
SNP_P1_180457_210898	NW_004515810.1	Scaffold298	210898	AA	GG	1940443524
SNP_P1_180458_211096	NW_004515810.1	Scaffold298	211096	AA	GG	1940443525
SNP_P1_180459_211731	NW_004515810.1	Scaffold298	211731	AA	CC	1940443526
SNP_P1_180460_211739	NW_004515810.1	Scaffold298	211739	GG	TT	1940443527
SNP_P1_180461_211963	NW_004515810.1	Scaffold298	211963	AA	TT	1940443528

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180464_212157	NW_004515810.1	Scaffold298	212157	GG	TT	1940443530
SNP_P1_180465_212171	NW_004515810.1	Scaffold298	212171	GG	TT	1940443531
SNP_P1_180466_212176	NW_004515810.1	Scaffold298	212176	AA	TT	1940443532
SNP_P1_180467_212739	NW_004515810.1	Scaffold298	212739	AA	TT	1940443533
SNP_P1_180468_213301	NW_004515810.1	Scaffold298	213301	TT	AA	1940443534
SNP_P1_180469_4122	NW_004515811.1	Scaffold299	4122	CC	TT	1940443535
SNP_P1_180470_7376	NW_004515811.1	Scaffold299	7376	AA	GG	1940443536
SNP_P1_180471_10885	NW_004515811.1	Scaffold299	10885	GG	AA	1940443537
SNP_P1_180472_10887	NW_004515811.1	Scaffold299	10887	TT	GG	1940443538
SNP_P1_180473_10943	NW_004515811.1	Scaffold299	10943	CC	TT	1940443539
SNP_P1_180474_10944	NW_004515811.1	Scaffold299	10944	TT	AA	1940443540
SNP_P1_180475_10967	NW_004515811.1	Scaffold299	10967	GG	AA	1940443541
SNP_P1_180476_10979	NW_004515811.1	Scaffold299	10979	TT	CC	1940443542
SNP_P1_180477_10993	NW_004515811.1	Scaffold299	10993	AA	TT	1940443543
SNP_P1_180478_10994	NW_004515811.1	Scaffold299	10994	GG	AA	1940443544
SNP_P1_180479_11001	NW_004515811.1	Scaffold299	11001	TT	GG	1940443545
SNP_P1_180480_11818	NW_004515811.1	Scaffold299	11818	TT	CC	1940443546
SNP_P1_180481_13302	NW_004515811.1	Scaffold299	13302	CC	GG	1940443547
SNP_P1_180482_27267	NW_004515811.1	Scaffold299	27267	AA	GG	1940443548
SNP_P1_180484_36156	NW_004515811.1	Scaffold299	36156	AA	GG	1940443549
SNP_P1_180485_36327	NW_004515811.1	Scaffold299	36327	CC	AA	1940443550
SNP_P1_180486_36328	NW_004515811.1	Scaffold299	36328	AA	CC	1940443551
SNP_P1_180487_36329	NW_004515811.1	Scaffold299	36329	CC	AA	1940443552
SNP_P1_180488_36331	NW_004515811.1	Scaffold299	36331	CC	AA	1940443553
SNP_P1_180489_36637	NW_004515811.1	Scaffold299	36637	CC	TT	1940443554
SNP_P1_180490_36695	NW_004515811.1	Scaffold299	36695	CC	TT	1940443555
SNP_P1_180491_36705	NW_004515811.1	Scaffold299	36705	TT	CC	1940443556
SNP_P1_180492_36813	NW_004515811.1	Scaffold299	36813	TT	CC	1940443557
SNP_P1_180493_43568	NW_004515811.1	Scaffold299	43568	AA	GG	1940443558
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SNP_P1_180495_52697	NW_004515811.1	Scaffold299	52697	GG	AA	1940443560
SNP_P1_180497_66222	NW_004515811.1	Scaffold299	66222	TT	CC	1940443561
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SNP_P1_180499_87234	NW_004515811.1	Scaffold299	87234	TT	CC	1940443563
SNP_P1_180500_87235	NW_004515811.1	Scaffold299	87235	TT	CC	1940443564
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SNP_P1_180502_135144	NW_004515811.1	Scaffold299	135144	AA	CC	1940443566
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SNP_P1_180505_135189	NW_004515811.1	Scaffold299	135189	TT	GG	1940443569
SNP_P1_180506_135241	NW_004515811.1	Scaffold299	135241	TT	AA	1940443570

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180509_152844	NW_004515811.1	Scaffold299	152844	TT	GG	1940443573
SNP_P1_180510_152868	NW_004515811.1	Scaffold299	152868	GG	AA	1940443574
SNP_P1_180511_152878	NW_004515811.1	Scaffold299	152878	TT	AA	1940443575
SNP_P1_180512_153219	NW_004515811.1	Scaffold299	153219	AA	GG	1940443576
SNP_P1_180513_157869	NW_004515811.1	Scaffold299	157869	AA	CC	1940443577
SNP_P1_180514_158540	NW_004515811.1	Scaffold299	158540	AA	TT	1940443578
SNP_P1_180515_158625	NW_004515811.1	Scaffold299	158625	AA	GG	1940443579
SNP_P1_180516_158654	NW_004515811.1	Scaffold299	158654	AA	GG	1940443580
SNP_P1_180517_158693	NW_004515811.1	Scaffold299	158693	TT	GG	1940443581
SNP_P1_180518_158720	NW_004515811.1	Scaffold299	158720	GG	AA	1940443582
SNP_P1_180519_158734	NW_004515811.1	Scaffold299	158734	CC	TT	1940443583
SNP_P1_180520_158948	NW_004515811.1	Scaffold299	158948	AA	GG	1940443584
SNP_P1_180521_158966	NW_004515811.1	Scaffold299	158966	AA	CC	1940443585
SNP_P1_180522_159165	NW_004515811.1	Scaffold299	159165	AA	GG	1940443586
SNP_P1_180523_195251	NW_004515811.1	Scaffold299	195251	TT	CC	1940443587
SNP_P1_180524_196494	NW_004515811.1	Scaffold299	196494	AA	GG	1940443588
SNP_P1_180525_196897	NW_004515811.1	Scaffold299	196897	TT	CC	1940443589
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SNP_P1_180528_206110	NW_004515811.1	Scaffold299	206110	TT	GG	1940443592
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SNP_P1_180532_206416	NW_004515811.1	Scaffold299	206416	AA	CC	1940443596
SNP_P1_180533_206427	NW_004515811.1	Scaffold299	206427	AA	GG	1940443597
SNP_P1_180534_206471	NW_004515811.1	Scaffold299	206471	AA	GG	1940443598
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SNP_P1_180536_206535	NW_004515811.1	Scaffold299	206535	AA	CC	1940443600
SNP_P1_180537_206540	NW_004515811.1	Scaffold299	206540	CC	AA	1940443601
SNP_P1_180538_206555	NW_004515811.1	Scaffold299	206555	CC	TT	1940443602
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SNP_P1_180540_211281	NW_004515811.1	Scaffold299	211281	TT	CC	1940443604
SNP_P1_180541_211293	NW_004515811.1	Scaffold299	211293	TT	CC	1940443605
SNP_P1_180542_213277	NW_004515811.1	Scaffold299	213277	AA	GG	1940443606
SNP_P1_180544_213653	NW_004515811.1	Scaffold299	213653	AA	TT	1940443607
SNP_P1_180545_213801	NW_004515811.1	Scaffold299	213801	TT	CC	1940443608
SNP_P1_180546_214022	NW_004515811.1	Scaffold299	214022	CC	TT	1940443609
SNP_P1_180547_214233	NW_004515811.1	Scaffold299	214233	CC	TT	1940443610
SNP_P1_180548_214420	NW_004515811.1	Scaffold299	214420	AA	GG	1940443611
SNP_P1_180549_2778	NW_004515812.1	Scaffold300	2778	AA	TT	1940443612

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180552_12567	NW_004515812.1	Scaffold300	12567	AA	TT	1940443615
SNP_P1_180553_27601	NW_004515812.1	Scaffold300	27601	TT	AA	1940443616
SNP_P1_180554_30873	NW_004515812.1	Scaffold300	30873	CC	TT	1940443617
SNP_P1_180555_36347	NW_004515812.1	Scaffold300	36347	TT	GG	1940443618
SNP_P1_180556_38836	NW_004515812.1	Scaffold300	38836	AA	GG	1940443619
SNP_P1_180557_38852	NW_004515812.1	Scaffold300	38852	AA	TT	1940443620
SNP_P1_180558_40827	NW_004515812.1	Scaffold300	40827	TT	CC	1940443621
SNP_P1_180559_41063	NW_004515812.1	Scaffold300	41063	AA	GG	1940443622
SNP_P1_180560_41064	NW_004515812.1	Scaffold300	41064	CC	GG	1940443623
SNP_P1_180561_41115	NW_004515812.1	Scaffold300	41115	TT	AA	1940443624
SNP_P1_180562_41249	NW_004515812.1	Scaffold300	41249	CC	AA	1940443625
SNP_P1_180563_41305	NW_004515812.1	Scaffold300	41305	GG	TT	1940443626
SNP_P1_180564_45448	NW_004515812.1	Scaffold300	45448	AA	GG	1940443627
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SNP_P1_180566_45455	NW_004515812.1	Scaffold300	45455	CC	TT	1940443629
SNP_P1_180567_45456	NW_004515812.1	Scaffold300	45456	AA	GG	1940443630
SNP_P1_180568_45459	NW_004515812.1	Scaffold300	45459	CC	AA	1940443631
SNP_P1_180569_47498	NW_004515812.1	Scaffold300	47498	CC	TT	1940443632
SNP_P1_180570_54314	NW_004515812.1	Scaffold300	54314	TT	AA	1940443633
SNP_P1_180571_74150	NW_004515812.1	Scaffold300	74150	AA	GG	1940443634
SNP_P1_180572_74752	NW_004515812.1	Scaffold300	74752	AA	CC	1940443635
SNP_P1_180573_84165	NW_004515812.1	Scaffold300	84165	AA	CC	1940443636
SNP_P1_180574_89480	NW_004515812.1	Scaffold300	89480	CC	AA	1940443637
SNP_P1_180575_89500	NW_004515812.1	Scaffold300	89500	CC	AA	1940443638
SNP_P1_180576_89510	NW_004515812.1	Scaffold300	89510	TT	AA	1940443640
SNP_P1_180577_89520	NW_004515812.1	Scaffold300	89520	AA	CC	1940443641
SNP_P1_180578_89523	NW_004515812.1	Scaffold300	89523	GG	AA	1940443642
SNP_P1_180579_89525	NW_004515812.1	Scaffold300	89525	GG	AA	1940443643
SNP_P1_180580_101023	NW_004515812.1	Scaffold300	101023	TT	CC	1940443644
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SNP_P1_180583_101495	NW_004515812.1	Scaffold300	101495	TT	GG	1940443647
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SNP_P1_180587_101545	NW_004515812.1	Scaffold300	101545	AA	CC	1940443651
SNP_P1_180588_101546	NW_004515812.1	Scaffold300	101546	CC	TT	1940443652
SNP_P1_180589_101547	NW_004515812.1	Scaffold300	101547	AA	GG	1940443653
SNP_P1_180590_101599	NW_004515812.1	Scaffold300	101599	AA	CC	1940443654
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180594_5233	NW_004515814.1	Scaffold303	5233	TT	CC	1940443658
SNP_P1_180595_9944	NW_004515814.1	Scaffold303	9944	TT	GG	1940443659
SNP_P1_180598_30257	NW_004515814.1	Scaffold303	30257	GG	TT	1940443660
SNP_P1_180599_39084	NW_004515814.1	Scaffold303	39084	TT	CC	1940443661
SNP_P1_180600_63499	NW_004515814.1	Scaffold303	63499	TT	CC	1940443662
SNP_P1_180601_65025	NW_004515814.1	Scaffold303	65025	TT	CC	1940443663
SNP_P1_180603_78215	NW_004515814.1	Scaffold303	78215	GG	AA	1940443664
SNP_P1_180604_85515	NW_004515814.1	Scaffold303	85515	AA	GG	1940443665
SNP_P1_180605_110182	NW_004515814.1	Scaffold303	110182	AA	TT	1940443666
SNP_P1_180606_110186	NW_004515814.1	Scaffold303	110186	TT	CC	1940443667
SNP_P1_180607_110217	NW_004515814.1	Scaffold303	110217	AA	GG	1940443668
SNP_P1_180608_120605	NW_004515814.1	Scaffold303	120605	GG	TT	1940443669
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SNP_P1_180610_121857	NW_004515814.1	Scaffold303	121857	GG	TT	1940443671
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SNP_P1_180613_128344	NW_004515814.1	Scaffold303	128344	AA	CC	1940443673
SNP_P1_180614_128356	NW_004515814.1	Scaffold303	128356	TT	CC	1940443674
SNP_P1_180616_163184	NW_004515814.1	Scaffold303	163184	AA	TT	1940443675
SNP_P1_180617_163185	NW_004515814.1	Scaffold303	163185	GG	CC	1940443676
SNP_P1_180618_592	NW_004515815.1	Scaffold304	592	AA	CC	1940443677
SNP_P1_180619_648	NW_004515815.1	Scaffold304	648	TT	AA	1940443678
SNP_P1_180620_649	NW_004515815.1	Scaffold304	649	AA	TT	1940443679
SNP_P1_180621_2305	NW_004515816.1	Scaffold305	2305	AA	GG	1940443680
SNP_P1_180622_2467	NW_004515816.1	Scaffold305	2467	GG	AA	1940443681
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SNP_P1_180624_4100	NW_004515816.1	Scaffold305	4100	CC	TT	1940443683
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SNP_P1_180626_4122	NW_004515816.1	Scaffold305	4122	CC	TT	1940443685
SNP_P1_180627_29167	NW_004515816.1	Scaffold305	29167	CC	TT	1940443686
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SNP_P1_180630_30354	NW_004515816.1	Scaffold305	30354	GG	TT	1940443689
SNP_P1_180631_30364	NW_004515816.1	Scaffold305	30364	GG	CC	1940443690
SNP_P1_180632_30370	NW_004515816.1	Scaffold305	30370	CC	TT	1940443691
SNP_P1_180633_30388	NW_004515816.1	Scaffold305	30388	AA	GG	1940443692
SNP_P1_180634_30413	NW_004515816.1	Scaffold305	30413	TT	CC	1940443693
SNP_P1_180635_30424	NW_004515816.1	Scaffold305	30424	AA	GG	1940443694
SNP_P1_180636_30439	NW_004515816.1	Scaffold305	30439	TT	CC	1940443695
SNP_P1_180637_31499	NW_004515816.1	Scaffold305	31499	AA	CC	1940443696
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180640_31578	NW_004515816.1	Scaffold305	31578	GG	AA	1940443699
SNP_P1_180641_31633	NW_004515816.1	Scaffold305	31633	TT	CC	1940443700
SNP_P1_180642_31679	NW_004515816.1	Scaffold305	31679	TT	CC	1940443701
SNP_P1_180643_31733	NW_004515816.1	Scaffold305	31733	TT	CC	1940443702
SNP_P1_180644_31771	NW_004515816.1	Scaffold305	31771	TT	GG	1940443703
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SNP_P1_180646_31781	NW_004515816.1	Scaffold305	31781	TT	CC	1940443705
SNP_P1_180647_31891	NW_004515816.1	Scaffold305	31891	CC	TT	1940443706
SNP_P1_180648_31904	NW_004515816.1	Scaffold305	31904	AA	GG	1940443707
SNP_P1_180649_31927	NW_004515816.1	Scaffold305	31927	CC	TT	1940443708
SNP_P1_180650_31948	NW_004515816.1	Scaffold305	31948	AA	GG	1940443709
SNP_P1_180651_31958	NW_004515816.1	Scaffold305	31958	CC	TT	1940443710
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SNP_P1_180653_32054	NW_004515816.1	Scaffold305	32054	CC	TT	1940443712
SNP_P1_180654_32110	NW_004515816.1	Scaffold305	32110	TT	CC	1940443713
SNP_P1_180655_32112	NW_004515816.1	Scaffold305	32112	TT	GG	1940443714
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SNP_P1_180658_32518	NW_004515816.1	Scaffold305	32518	TT	CC	1940443717
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SNP_P1_180660_34710	NW_004515816.1	Scaffold305	34710	GG	AA	1940443719
SNP_P1_180661_44493	NW_004515816.1	Scaffold305	44493	TT	CC	1940443720
SNP_P1_180662_57016	NW_004515816.1	Scaffold305	57016	AA	GG	1940443721
SNP_P1_180663_57685	NW_004515816.1	Scaffold305	57685	GG	AA	1940443722
SNP_P1_180664_80752	NW_004515816.1	Scaffold305	80752	GG	AA	1940443723
SNP_P1_180665_81123	NW_004515816.1	Scaffold305	81123	AA	CC	1940443724
SNP_P1_180666_90879	NW_004515816.1	Scaffold305	90879	TT	AA	1940443725
SNP_P1_180667_91548	NW_004515816.1	Scaffold305	91548	CC	AA	1940443726
SNP_P1_180668_99787	NW_004515816.1	Scaffold305	99787	GG	TT	1940443727
SNP_P1_180669_99805	NW_004515816.1	Scaffold305	99805	GG	TT	1940443728
SNP_P1_180670_110491	NW_004515816.1	Scaffold305	110491	CC	TT	1940443729
SNP_P1_180671_110493	NW_004515816.1	Scaffold305	110493	GG	AA	1940443730
SNP_P1_180672_110543	NW_004515816.1	Scaffold305	110543	CC	TT	1940443731
SNP_P1_180673_124800	NW_004515816.1	Scaffold305	124800	CC	AA	1940443732
SNP_P1_180674_124816	NW_004515816.1	Scaffold305	124816	TT	CC	1940443733
SNP_P1_180675_124848	NW_004515816.1	Scaffold305	124848	GG	TT	1940443734
SNP_P1_180676_124884	NW_004515816.1	Scaffold305	124884	TT	CC	1940443735
SNP_P1_180677_130818	NW_004515816.1	Scaffold305	130818	TT	GG	1940443736
SNP_P1_180678_144291	NW_004515816.1	Scaffold305	144291	AA	CC	1940443737
SNP_P1_180679_145554	NW_004515816.1	Scaffold305	145554	TT	CC	1940443738
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180683_184169	NW_004515816.1	Scaffold305	184169	CC	AA	1940443741
SNP_P1_180684_184179	NW_004515816.1	Scaffold305	184179	TT	GG	1940443742
SNP_P1_180686_193196	NW_004515816.1	Scaffold305	193196	AA	GG	1940443743
SNP_P1_180687_196652	NW_004515816.1	Scaffold305	196652	TT	AA	1940443744
SNP_P1_180688_196654	NW_004515816.1	Scaffold305	196654	TT	GG	1940443745
SNP_P1_180689_196689	NW_004515816.1	Scaffold305	196689	CC	AA	1940443746
SNP_P1_180690_197408	NW_004515816.1	Scaffold305	197408	GG	AA	1940443747
SNP_P1_180691_204995	NW_004515816.1	Scaffold305	204995	AA	CC	1940443748
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SNP_P1_180693_205044	NW_004515816.1	Scaffold305	205044	AA	CC	1940443750
SNP_P1_180694_205064	NW_004515816.1	Scaffold305	205064	AA	GG	1940443751
SNP_P1_180695_205065	NW_004515816.1	Scaffold305	205065	TT	GG	1940443752
SNP_P1_180696_205093	NW_004515816.1	Scaffold305	205093	CC	TT	1940443753
SNP_P1_180697_205098	NW_004515816.1	Scaffold305	205098	AA	TT	1940443754
SNP_P1_180698_205131	NW_004515816.1	Scaffold305	205131	CC	AA	1940443755
SNP_P1_180699_205166	NW_004515816.1	Scaffold305	205166	TT	CC	1940443756
SNP_P1_180700_205183	NW_004515816.1	Scaffold305	205183	GG	TT	1940443757
SNP_P1_180701_205193	NW_004515816.1	Scaffold305	205193	TT	GG	1940443758
SNP_P1_180702_205282	NW_004515816.1	Scaffold305	205282	TT	CC	1940443759
SNP_P1_180703_205292	NW_004515816.1	Scaffold305	205292	CC	GG	1940443760
SNP_P1_180704_205355	NW_004515816.1	Scaffold305	205355	AA	GG	1940443761
SNP_P1_180705_205461	NW_004515816.1	Scaffold305	205461	AA	TT	1940443762
SNP_P1_180706_93	NW_004515817.1	Scaffold306	93	CC	TT	1940443763
SNP_P1_180707_24705	NW_004515817.1	Scaffold306	24705	CC	TT	1940443764
SNP_P1_180708_43907	NW_004515817.1	Scaffold306	43907	AA	GG	1940443765
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SNP_P1_180713_58885	NW_004515817.1	Scaffold306	58885	GG	AA	1940443770
SNP_P1_180714_58898	NW_004515817.1	Scaffold306	58898	TT	AA	1940443771
SNP_P1_180715_58978	NW_004515817.1	Scaffold306	58978	CC	TT	1940443772
SNP_P1_180716_59164	NW_004515817.1	Scaffold306	59164	GG	CC	1940443773
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180727_76234	NW_004515817.1	Scaffold306	76234	TT	CC	1940443784
SNP_P1_180728_88755	NW_004515817.1	Scaffold306	88755	TT	CC	1940443785
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SNP_P1_180730_88890	NW_004515817.1	Scaffold306	88890	CC	GG	1940443787
SNP_P1_180731_89074	NW_004515817.1	Scaffold306	89074	GG	AA	1940443788
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SNP_P1_180737_109196	NW_004515817.1	Scaffold306	109196	CC	TT	1940443794
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SNP_P1_180739_117266	NW_004515817.1	Scaffold306	117266	AA	TT	1940443796
SNP_P1_180740_125225	NW_004515817.1	Scaffold306	125225	AA	GG	1940443797
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SNP_P1_180742_125472	NW_004515817.1	Scaffold306	125472	TT	CC	1940443799
SNP_P1_180743_125989	NW_004515817.1	Scaffold306	125989	GG	AA	1940443800
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SNP_P1_180760_130767	NW_004515817.1	Scaffold306	130767	AA	CC	1940443812
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SNP_P1_180762_131368	NW_004515817.1	Scaffold306	131368	TT	CC	1940443814
SNP_P1_180763_132037	NW_004515817.1	Scaffold306	132037	TT	AA	1940443815
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SNP_P1_180765_146664	NW_004515817.1	Scaffold306	146664	CC	AA	1940443817
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SNP_P1_180767_146690	NW_004515817.1	Scaffold306	146690	GG	AA	1940443819
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SNP_P1_180772_166728	NW_004515817.1	Scaffold306	166728	TT	CC	1940443822
SNP_P1_180773_166867	NW_004515817.1	Scaffold306	166867	AA	GG	1940443823
SNP_P1_180774_166912	NW_004515817.1	Scaffold306	166912	AA	CC	1940443824

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180776_174787	NW_004515817.1	Scaffold306	174787	AA	GG	1940443826
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SNP_P1_180779_185611	NW_004515817.1	Scaffold306	185611	CC	TT	1940443828
SNP_P1_180780_186590	NW_004515817.1	Scaffold306	186590	TT	AA	1940443829
SNP_P1_180781_186702	NW_004515817.1	Scaffold306	186702	TT	CC	1940443830
SNP_P1_180782_186763	NW_004515817.1	Scaffold306	186763	TT	GG	1940443831
SNP_P1_180783_196782	NW_004515817.1	Scaffold306	196782	TT	AA	1940443832
SNP_P1_180786_197159	NW_004515817.1	Scaffold306	197159	TT	AA	1940443833
SNP_P1_180787_197170	NW_004515817.1	Scaffold306	197170	AA	GG	1940443834
SNP_P1_180788_197199	NW_004515817.1	Scaffold306	197199	AA	GG	1940443835
SNP_P1_180789_197395	NW_004515817.1	Scaffold306	197395	TT	CC	1940443836
SNP_P1_180790_197432	NW_004515817.1	Scaffold306	197432	TT	AA	1940443837
SNP_P1_180791_197653	NW_004515817.1	Scaffold306	197653	GG	AA	1940443838
SNP_P1_180792_197659	NW_004515817.1	Scaffold306	197659	GG	TT	1940443839
SNP_P1_180793_197728	NW_004515817.1	Scaffold306	197728	AA	CC	1940443840
SNP_P1_180794_197779	NW_004515817.1	Scaffold306	197779	AA	GG	1940443841
SNP_P1_180795_198068	NW_004515817.1	Scaffold306	198068	GG	CC	1940443842
SNP_P1_180796_203645	NW_004515817.1	Scaffold306	203645	TT	GG	1940443843
SNP_P1_180797_208691	NW_004515817.1	Scaffold306	208691	TT	CC	1940443844
SNP_P1_180798_210975	NW_004515817.1	Scaffold306	210975	GG	AA	1940443845
SNP_P1_180799_212258	NW_004515817.1	Scaffold306	212258	TT	AA	1940443846
SNP_P1_180800_212547	NW_004515817.1	Scaffold306	212547	AA	CC	1940443847
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SNP_P1_180802_212952	NW_004515817.1	Scaffold306	212952	AA	TT	1940443849
SNP_P1_180803_212955	NW_004515817.1	Scaffold306	212955	CC	AA	1940443850
SNP_P1_180804_215293	NW_004515817.1	Scaffold306	215293	TT	GG	1940443851
SNP_P1_180805_215300	NW_004515817.1	Scaffold306	215300	AA	CC	1940443852
SNP_P1_180806_215354	NW_004515817.1	Scaffold306	215354	AA	GG	1940443853
SNP_P1_180807_216430	NW_004515817.1	Scaffold306	216430	TT	GG	1940443854
SNP_P1_180808_216454	NW_004515817.1	Scaffold306	216454	CC	TT	1940443855
SNP_P1_180809_216864	NW_004515817.1	Scaffold306	216864	TT	CC	1940443856
SNP_P1_180810_216943	NW_004515817.1	Scaffold306	216943	TT	GG	1940443857
SNP_P1_180811_219494	NW_004515817.1	Scaffold306	219494	AA	GG	1940443858
SNP_P1_180812_219528	NW_004515817.1	Scaffold306	219528	TT	GG	1940443859
SNP_P1_180813_219654	NW_004515817.1	Scaffold306	219654	CC	TT	1940443860
SNP_P1_180814_222036	NW_004515817.1	Scaffold306	222036	GG	CC	1940443861
SNP_P1_180815_222190	NW_004515817.1	Scaffold306	222190	CC	TT	1940443862
SNP_P1_180816_227272	NW_004515817.1	Scaffold306	227272	TT	AA	1940443863
SNP_P1_180817_236773	NW_004515817.1	Scaffold306	236773	CC	AA	1940443864
SNP_P1_180818_241733	NW_004515817.1	Scaffold306	241733	GG	AA	1940443865
SNP_P1_180819_245822	NW_004515817.1	Scaffold306	245822	CC	AA	1940443866

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180821_252766	NW_004515817.1	Scaffold306	252766	CC	AA	1940443868
SNP_P1_180823_264393	NW_004515817.1	Scaffold306	264393	CC	TT	1940443869
SNP_P1_180824_265252	NW_004515817.1	Scaffold306	265252	GG	AA	1940443870
SNP_P1_180825_265256	NW_004515817.1	Scaffold306	265256	TT	CC	1940443871
SNP_P1_180826_265278	NW_004515817.1	Scaffold306	265278	GG	AA	1940443872
SNP_P1_180828_280479	NW_004515817.1	Scaffold306	280479	CC	TT	1940443873
SNP_P1_180829_282064	NW_004515817.1	Scaffold306	282064	AA	TT	1940443874
SNP_P1_180830_294630	NW_004515817.1	Scaffold306	294630	AA	GG	1940443875
SNP_P1_180832_301909	NW_004515817.1	Scaffold306	301909	TT	CC	1940443876
SNP_P1_180833_302242	NW_004515817.1	Scaffold306	302242	AA	GG	1940443877
SNP_P1_180834_302406	NW_004515817.1	Scaffold306	302406	CC	TT	1940443878
SNP_P1_180835_302409	NW_004515817.1	Scaffold306	302409	CC	AA	1940443879
SNP_P1_180836_302441	NW_004515817.1	Scaffold306	302441	CC	AA	1940443880
SNP_P1_180838_334394	NW_004515817.1	Scaffold306	334394	GG	TT	1940443881
SNP_P1_180839_337674	NW_004515817.1	Scaffold306	337674	AA	GG	1940443882
SNP_P1_180841_350999	NW_004515817.1	Scaffold306	350999	AA	CC	1940443883
SNP_P1_180842_355648	NW_004515817.1	Scaffold306	355648	CC	TT	1940443884
SNP_P1_180843_370894	NW_004515817.1	Scaffold306	370894	AA	CC	1940443885
SNP_P1_180844_373398	NW_004515817.1	Scaffold306	373398	TT	CC	1940443886
SNP_P1_180845_374606	NW_004515817.1	Scaffold306	374606	AA	GG	1940443887
SNP_P1_180847_384934	NW_004515817.1	Scaffold306	384934	CC	GG	1940443888
SNP_P1_180848_410959	NW_004515817.1	Scaffold306	410959	GG	TT	1940443889
SNP_P1_180850_418238	NW_004515817.1	Scaffold306	418238	CC	TT	1940443890
SNP_P1_180851_418245	NW_004515817.1	Scaffold306	418245	AA	CC	1940443891
SNP_P1_180852_418278	NW_004515817.1	Scaffold306	418278	AA	GG	1940443892
SNP_P1_180853_418313	NW_004515817.1	Scaffold306	418313	TT	CC	1940443893
SNP_P1_180854_418509	NW_004515817.1	Scaffold306	418509	CC	AA	1940443894
SNP_P1_180855_418614	NW_004515817.1	Scaffold306	418614	AA	CC	1940443895
SNP_P1_180856_421773	NW_004515817.1	Scaffold306	421773	GG	AA	1940443896
SNP_P1_180857_422415	NW_004515817.1	Scaffold306	422415	TT	GG	1940443897
SNP_P1_180858_431671	NW_004515817.1	Scaffold306	431671	CC	TT	1940443898
SNP_P1_180860_447316	NW_004515817.1	Scaffold306	447316	TT	CC	1940443899
SNP_P1_180861_447328	NW_004515817.1	Scaffold306	447328	TT	AA	1940443900
SNP_P1_180862_447675	NW_004515817.1	Scaffold306	447675	GG	CC	1940443901
SNP_P1_180863_449394	NW_004515817.1	Scaffold306	449394	AA	TT	1940443902
SNP_P1_180864_464470	NW_004515817.1	Scaffold306	464470	CC	TT	1940443903
SNP_P1_180866_471537	NW_004515817.1	Scaffold306	471537	CC	TT	1940443904
SNP_P1_180869_485305	NW_004515817.1	Scaffold306	485305	AA	TT	1940443905
SNP_P1_180870_485702	NW_004515817.1	Scaffold306	485702	AA	TT	1940443906
SNP_P1_180871_486760	NW_004515817.1	Scaffold306	486760	GG	AA	1940443907
SNP_P1_180872_48612	NW_004515818.1	Scaffold308_2	48612	GG	AA	1940443908

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_180873_62987	NW_004515818.1	Scaffold308_2	62987	TT	CC	1940443909
SNP_P1_180874_64803	NW_004515818.1	Scaffold308_2	64803	CC	TT	1940443910
SNP_P1_180875_68464	NW_004515818.1	Scaffold308_2	68464	AA	CC	1940443911
SNP_P1_180876_70211	NW_004515818.1	Scaffold308_2	70211	AA	GG	1940443912
SNP_P1_180877_71521	NW_004515818.1	Scaffold308_2	71521	TT	GG	1940443913
SNP_P1_180878_72229	NW_004515818.1	Scaffold308_2	72229	AA	CC	1940443914
SNP_P1_180879_76038	NW_004515818.1	Scaffold308_2	76038	AA	CC	1940443915
SNP_P1_180880_76067	NW_004515818.1	Scaffold308_2	76067	GG	CC	1940443916
SNP_P1_180881_76088	NW_004515818.1	Scaffold308_2	76088	TT	CC	1940443917
SNP_P1_180882_76415	NW_004515818.1	Scaffold308_2	76415	AA	GG	1940443918
SNP_P1_180883_76429	NW_004515818.1	Scaffold308_2	76429	GG	AA	1940443919
SNP_P1_180884_76459	NW_004515818.1	Scaffold308_2	76459	CC	AA	1940443920
SNP_P1_180886_76528	NW_004515818.1	Scaffold308_2	76528	GG	CC	1940443921
SNP_P1_180887_76530	NW_004515818.1	Scaffold308_2	76530	CC	AA	1940443922
SNP_P1_180888_78111	NW_004515818.1	Scaffold308_2	78111	TT	CC	1940443923
SNP_P1_180890_84096	NW_004515818.1	Scaffold308_2	84096	AA	GG	1940443924
SNP_P1_180891_84622	NW_004515818.1	Scaffold308_2	84622	TT	AA	1940443925
SNP_P1_180892_84675	NW_004515818.1	Scaffold308_2	84675	CC	TT	1940443926
SNP_P1_180893_84683	NW_004515818.1	Scaffold308_2	84683	GG	AA	1940443927
SNP_P1_180894_84767	NW_004515818.1	Scaffold308_2	84767	TT	CC	1940443928
SNP_P1_180895_84848	NW_004515818.1	Scaffold308_2	84848	AA	GG	1940443929
SNP_P1_180896_84889	NW_004515818.1	Scaffold308_2	84889	TT	AA	1940443930
SNP_P1_180898_85441	NW_004515818.1	Scaffold308_2	85441	TT	AA	1940443931
SNP_P1_180900_93009	NW_004515818.1	Scaffold308_2	93009	CC	AA	1940443932
SNP_P1_180901_96857	NW_004515818.1	Scaffold308_2	96857	GG	AA	1940443933
SNP_P1_180902_103034	NW_004515818.1	Scaffold308_2	103034	AA	TT	1940443934
SNP_P1_180903_103077	NW_004515818.1	Scaffold308_2	103077	GG	TT	1940443936
SNP_P1_180904_103090	NW_004515818.1	Scaffold308_2	103090	GG	AA	1940443937
SNP_P1_180905_104727	NW_004515818.1	Scaffold308_2	104727	GG	CC	1940443938
SNP_P1_180906_106655	NW_004515818.1	Scaffold308_2	106655	TT	CC	1940443939
SNP_P1_180907_106704	NW_004515818.1	Scaffold308_2	106704	GG	AA	1940443940
SNP_P1_180908_118722	NW_004515818.1	Scaffold308_2	118722	GG	AA	1940443941
SNP_P1_180909_123506	NW_004515818.1	Scaffold308_2	123506	TT	CC	1940443942
SNP_P1_180910_156408	NW_004515818.1	Scaffold308_2	156408	TT	GG	1940443943
SNP_P1_180911_156409	NW_004515818.1	Scaffold308_2	156409	TT	CC	1940443944
SNP_P1_180912_158341	NW_004515818.1	Scaffold308_2	158341	TT	CC	1940443945
SNP_P1_180913_173363	NW_004515818.1	Scaffold308_2	173363	TT	CC	1940443946
SNP_P1_180914_173525	NW_004515818.1	Scaffold308_2	173525	TT	CC	1940443947
SNP_P1_180915_173567	NW_004515818.1	Scaffold308_2	173567	AA	CC	1940443948
SNP_P1_180916_173747	NW_004515818.1	Scaffold308_2	173747	CC	GG	1940443949
SNP_P1_180917_173909	NW_004515818.1	Scaffold308_2	173909	AA	GG	1940443950
SNP_P1_180918_173974	NW_004515818.1	Scaffold308_2	173974	TT	CC	1940443951

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180920_174219	NW_004515818.1	Scaffold308_2	174219	TT	CC	1940443953
SNP_P1_180921_174260	NW_004515818.1	Scaffold308_2	174260	TT	CC	1940443954
SNP_P1_180922_174292	NW_004515818.1	Scaffold308_2	174292	AA	GG	1940443955
SNP_P1_180925_208210	NW_004515818.1	Scaffold308_2	208210	TT	CC	1940443956
SNP_P1_180927_246999	NW_004515818.1	Scaffold308_2	246999	GG	AA	1940443957
SNP_P1_180928_247022	NW_004515818.1	Scaffold308_2	247022	TT	GG	1940443958
SNP_P1_180929_247054	NW_004515818.1	Scaffold308_2	247054	AA	GG	1940443959
SNP_P1_180931_262469	NW_004515818.1	Scaffold308_2	262469	AA	GG	1940443960
SNP_P1_180933_263428	NW_004515818.1	Scaffold308_2	263428	AA	GG	1940443961
SNP_P1_180935_263534	NW_004515818.1	Scaffold308_2	263534	GG	CC	1940443962
SNP_P1_180936_263546	NW_004515818.1	Scaffold308_2	263546	CC	TT	1940443963
SNP_P1_180937_263580	NW_004515818.1	Scaffold308_2	263580	AA	GG	1940443964
SNP_P1_180938_263596	NW_004515818.1	Scaffold308_2	263596	TT	CC	1940443965
SNP_P1_180939_263630	NW_004515818.1	Scaffold308_2	263630	CC	GG	1940443966
SNP_P1_180940_263639	NW_004515818.1	Scaffold308_2	263639	GG	AA	1940443967
SNP_P1_180941_263649	NW_004515818.1	Scaffold308_2	263649	CC	AA	1940443968
SNP_P1_180942_263650	NW_004515818.1	Scaffold308_2	263650	TT	CC	1940443969
SNP_P1_180943_263675	NW_004515818.1	Scaffold308_2	263675	TT	CC	1940443970
SNP_P1_180944_263677	NW_004515818.1	Scaffold308_2	263677	CC	TT	1940443971
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SNP_P1_180946_264341	NW_004515818.1	Scaffold308_2	264341	CC	AA	1940443973
SNP_P1_180947_264371	NW_004515818.1	Scaffold308_2	264371	GG	TT	1940443974
SNP_P1_180949_264419	NW_004515818.1	Scaffold308_2	264419	AA	GG	1940443975
SNP_P1_180951_264589	NW_004515818.1	Scaffold308_2	264589	TT	AA	1940443976
SNP_P1_180952_264602	NW_004515818.1	Scaffold308_2	264602	AA	GG	1940443977
SNP_P1_180954_264880	NW_004515818.1	Scaffold308_2	264880	CC	AA	1940443978
SNP_P1_180955_264885	NW_004515818.1	Scaffold308_2	264885	TT	AA	1940443979
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SNP_P1_180957_264956	NW_004515818.1	Scaffold308_2	264956	AA	GG	1940443981
SNP_P1_180958_265008	NW_004515818.1	Scaffold308_2	265008	TT	CC	1940443982
SNP_P1_180959_265368	NW_004515818.1	Scaffold308_2	265368	GG	AA	1940443983
SNP_P1_180960_265395	NW_004515818.1	Scaffold308_2	265395	TT	CC	1940443984
SNP_P1_180961_265423	NW_004515818.1	Scaffold308_2	265423	AA	GG	1940443985
SNP_P1_180963_265767	NW_004515818.1	Scaffold308_2	265767	TT	CC	1940443986
SNP_P1_180964_265963	NW_004515818.1	Scaffold308_2	265963	TT	CC	1940443987
SNP_P1_180965_266021	NW_004515818.1	Scaffold308_2	266021	TT	CC	1940443988
SNP_P1_180967_266366	NW_004515818.1	Scaffold308_2	266366	AA	GG	1940443989
SNP_P1_180968_266372	NW_004515818.1	Scaffold308_2	266372	TT	AA	1940443990
SNP_P1_180969_266380	NW_004515818.1	Scaffold308_2	266380	TT	CC	1940443991
SNP_P1_180970_266464	NW_004515818.1	Scaffold308_2	266464	AA	CC	1940443992
SNP_P1_180971_268222	NW_004515818.1	Scaffold308_2	268222	TT	CC	1940443993

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_180973_307073	NW_004515818.1	Scaffold308_2	307073	CC	AA	1940443995
SNP_P1_180974_307305	NW_004515818.1	Scaffold308_2	307305	GG	AA	1940443996
SNP_P1_180975_307355	NW_004515818.1	Scaffold308_2	307355	TT	CC	1940443997
SNP_P1_180976_320736	NW_004515818.1	Scaffold308_2	320736	AA	GG	1940443998
SNP_P1_180977_325199	NW_004515818.1	Scaffold308_2	325199	TT	CC	1940443999
SNP_P1_180978_325358	NW_004515818.1	Scaffold308_2	325358	CC	TT	1940444000
SNP_P1_180979_325474	NW_004515818.1	Scaffold308_2	325474	TT	AA	1940444001
SNP_P1_180980_325584	NW_004515818.1	Scaffold308_2	325584	CC	TT	1940444002
SNP_P1_180981_325598	NW_004515818.1	Scaffold308_2	325598	CC	TT	1940444003
SNP_P1_180982_325662	NW_004515818.1	Scaffold308_2	325662	GG	AA	1940444004
SNP_P1_180983_325713	NW_004515818.1	Scaffold308_2	325713	AA	TT	1940444005
SNP_P1_180984_325821	NW_004515818.1	Scaffold308_2	325821	TT	AA	1940444006
SNP_P1_180986_357185	NW_004515818.1	Scaffold308_2	357185	TT	CC	1940444007
SNP_P1_180987_357229	NW_004515818.1	Scaffold308_2	357229	AA	GG	1940444008
SNP_P1_180989_6444	NW_004515819.1	Scaffold310	6444	AA	CC	1940444009
SNP_P1_180990_6486	NW_004515819.1	Scaffold310	6486	GG	CC	1940444010
SNP_P1_180991_6699	NW_004515819.1	Scaffold310	6699	GG	CC	1940444011
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SNP_P1_180996_7456	NW_004515819.1	Scaffold310	7456	TT	CC	1940444015
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SNP_P1_180998_7564	NW_004515819.1	Scaffold310	7564	AA	CC	1940444017
SNP_P1_180999_7565	NW_004515819.1	Scaffold310	7565	TT	CC	1940444018
SNP_P1_181000_7845	NW_004515819.1	Scaffold310	7845	AA	TT	1940444019
SNP_P1_181001_7857	NW_004515819.1	Scaffold310	7857	GG	CC	1940444020
SNP_P1_181002_8965	NW_004515819.1	Scaffold310	8965	TT	GG	1940444021
SNP_P1_181003_11648	NW_004515819.1	Scaffold310	11648	TT	AA	1940444022
SNP_P1_181004_12478	NW_004515819.1	Scaffold310	12478	GG	AA	1940444023
SNP_P1_181005_23599	NW_004515819.1	Scaffold310	23599	TT	AA	1940444024
SNP_P1_181006_23922	NW_004515819.1	Scaffold310	23922	AA	TT	1940444025
SNP_P1_181007_24040	NW_004515819.1	Scaffold310	24040	CC	TT	1940444026
SNP_P1_181008_24041	NW_004515819.1	Scaffold310	24041	AA	GG	1940444027
SNP_P1_181009_24047	NW_004515819.1	Scaffold310	24047	TT	AA	1940444028
SNP_P1_181010_24201	NW_004515819.1	Scaffold310	24201	GG	AA	1940444029
SNP_P1_181011_25946	NW_004515819.1	Scaffold310	25946	CC	TT	1940444030
SNP_P1_181012_26171	NW_004515819.1	Scaffold310	26171	TT	AA	1940444031
SNP_P1_181013_26214	NW_004515819.1	Scaffold310	26214	CC	TT	1940444032
SNP_P1_181014_26230	NW_004515819.1	Scaffold310	26230	AA	GG	1940444033
SNP_P1_181015_26233	NW_004515819.1	Scaffold310	26233	AA	GG	1940444034
SNP_P1_181016_26254	NW_004515819.1	Scaffold310	26254	CC	TT	1940444035

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_181017_26294	NW_004515819.1	Scaffold310	26294	GG	AA	1940444036
SNP_P1_181019_37948	NW_004515819.1	Scaffold310	37948	TT	AA	1940444037
SNP_P1_181020_38250	NW_004515819.1	Scaffold310	38250	TT	AA	1940444038
SNP_P1_181021_38268	NW_004515819.1	Scaffold310	38268	AA	TT	1940444040
SNP_P1_181023_39835	NW_004515819.1	Scaffold310	39835	TT	AA	1940444041
SNP_P1_181024_1479	NW_004515820.1	Scaffold311	1479	TT	GG	1940444042
SNP_P1_181025_1529	NW_004515820.1	Scaffold311	1529	CC	GG	1940444043
SNP_P1_181026_1771	NW_004515820.1	Scaffold311	1771	TT	GG	1940444044
SNP_P1_181028_4226	NW_004515820.1	Scaffold311	4226	AA	GG	1940444045
SNP_P1_181029_4507	NW_004515820.1	Scaffold311	4507	TT	CC	1940444046
SNP_P1_181030_8486	NW_004515820.1	Scaffold311	8486	AA	CC	1940444047
SNP_P1_181031_8637	NW_004515820.1	Scaffold311	8637	AA	GG	1940444048
SNP_P1_181032_8638	NW_004515820.1	Scaffold311	8638	TT	CC	1940444049
SNP_P1_181033_9579	NW_004515820.1	Scaffold311	9579	CC	TT	1940444050
SNP_P1_181034_9868	NW_004515820.1	Scaffold311	9868	GG	AA	1940444051
SNP_P1_181035_9894	NW_004515820.1	Scaffold311	9894	AA	TT	1940444052
SNP_P1_181037_21112	NW_004515820.1	Scaffold311	21112	TT	GG	1940444053
SNP_P1_181038_21347	NW_004515820.1	Scaffold311	21347	TT	GG	1940444054
SNP_P1_181039_21365	NW_004515820.1	Scaffold311	21365	CC	TT	1940444055
SNP_P1_181040_22728	NW_004515820.1	Scaffold311	22728	TT	GG	1940444056
SNP_P1_181041_22771	NW_004515820.1	Scaffold311	22771	AA	TT	1940444057
SNP_P1_181042_23153	NW_004515820.1	Scaffold311	23153	GG	CC	1940444058
SNP_P1_181043_24003	NW_004515820.1	Scaffold311	24003	GG	CC	1940444059
SNP_P1_181044_24045	NW_004515820.1	Scaffold311	24045	CC	GG	1940444060
SNP_P1_181045_24053	NW_004515820.1	Scaffold311	24053	GG	CC	1940444061
SNP_P1_181046_24533	NW_004515820.1	Scaffold311	24533	TT	GG	1940444062
SNP_P1_181047_24844	NW_004515820.1	Scaffold311	24844	GG	CC	1940444063
SNP_P1_181048_24864	NW_004515820.1	Scaffold311	24864	AA	GG	1940444064
SNP_P1_181049_24921	NW_004515820.1	Scaffold311	24921	GG	AA	1940444065
SNP_P1_181050_24933	NW_004515820.1	Scaffold311	24933	GG	TT	1940444066
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SNP_P1_181052_25068	NW_004515820.1	Scaffold311	25068	TT	CC	1940444068
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SNP_P1_181056_25820	NW_004515820.1	Scaffold311	25820	CC	AA	1940444072
SNP_P1_181057_26115	NW_004515820.1	Scaffold311	26115	AA	GG	1940444073
SNP_P1_181059_31210	NW_004515820.1	Scaffold311	31210	GG	TT	1940444074
SNP_P1_181060_40016	NW_004515820.1	Scaffold311	40016	TT	CC	1940444075
SNP_P1_181061_43440	NW_004515820.1	Scaffold311	43440	GG	CC	1940444076
SNP_P1_181062_43471	NW_004515820.1	Scaffold311	43471	TT	CC	1940444077
SNP_P1_181063_43474	NW_004515820.1	Scaffold311	43474	AA	CC	1940444078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181065_43490	NW_004515820.1	Scaffold311	43490	GG	TT	1940444080
SNP_P1_181066_43722	NW_004515820.1	Scaffold311	43722	AA	GG	1940444081
SNP_P1_181067_43821	NW_004515820.1	Scaffold311	43821	TT	GG	1940444082
SNP_P1_181068_44080	NW_004515820.1	Scaffold311	44080	GG	AA	1940444083
SNP_P1_181069_44163	NW_004515820.1	Scaffold311	44163	TT	CC	1940444084
SNP_P1_181070_45259	NW_004515820.1	Scaffold311	45259	GG	CC	1940444085
SNP_P1_181072_53089	NW_004515820.1	Scaffold311	53089	CC	TT	1940444086
SNP_P1_181073_56275	NW_004515820.1	Scaffold311	56275	GG	CC	1940444087
SNP_P1_181074_57178	NW_004515820.1	Scaffold311	57178	AA	GG	1940444088
SNP_P1_181075_60611	NW_004515820.1	Scaffold311	60611	TT	AA	1940444089
SNP_P1_181076_61669	NW_004515820.1	Scaffold311	61669	AA	TT	1940444090
SNP_P1_181077_61687	NW_004515820.1	Scaffold311	61687	TT	AA	1940444091
SNP_P1_181078_61688	NW_004515820.1	Scaffold311	61688	TT	AA	1940444092
SNP_P1_181079_65253	NW_004515820.1	Scaffold311	65253	CC	GG	1940444093
SNP_P1_181080_65254	NW_004515820.1	Scaffold311	65254	GG	AA	1940444094
SNP_P1_181081_71127	NW_004515820.1	Scaffold311	71127	AA	GG	1940444095
SNP_P1_181082_79738	NW_004515820.1	Scaffold311	79738	AA	TT	1940444096
SNP_P1_181083_79803	NW_004515820.1	Scaffold311	79803	AA	GG	1940444097
SNP_P1_181084_84166	NW_004515820.1	Scaffold311	84166	TT	CC	1940444098
SNP_P1_181085_90173	NW_004515820.1	Scaffold311	90173	AA	CC	1940444099
SNP_P1_181086_90199	NW_004515820.1	Scaffold311	90199	AA	CC	1940444100
SNP_P1_181087_90320	NW_004515820.1	Scaffold311	90320	TT	AA	1940444101
SNP_P1_181088_90470	NW_004515820.1	Scaffold311	90470	GG	TT	1940444102
SNP_P1_181089_90583	NW_004515820.1	Scaffold311	90583	GG	TT	1940444103
SNP_P1_181090_90600	NW_004515820.1	Scaffold311	90600	AA	CC	1940444104
SNP_P1_181091_90674	NW_004515820.1	Scaffold311	90674	AA	CC	1940444105
SNP_P1_181092_90675	NW_004515820.1	Scaffold311	90675	AA	TT	1940444106
SNP_P1_181093_90714	NW_004515820.1	Scaffold311	90714	CC	GG	1940444107
SNP_P1_181094_90860	NW_004515820.1	Scaffold311	90860	CC	TT	1940444108
SNP_P1_181095_90882	NW_004515820.1	Scaffold311	90882	TT	GG	1940444109
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SNP_P1_181097_91595	NW_004515820.1	Scaffold311	91595	GG	AA	1940444111
SNP_P1_181098_91626	NW_004515820.1	Scaffold311	91626	GG	TT	1940444112
SNP_P1_181099_91629	NW_004515820.1	Scaffold311	91629	TT	CC	1940444113
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SNP_P1_181101_91668	NW_004515820.1	Scaffold311	91668	GG	AA	1940444115
SNP_P1_181103_91809	NW_004515820.1	Scaffold311	91809	TT	CC	1940444116
SNP_P1_181104_91812	NW_004515820.1	Scaffold311	91812	GG	TT	1940444117
SNP_P1_181105_91819	NW_004515820.1	Scaffold311	91819	AA	CC	1940444118
SNP_P1_181106_92059	NW_004515820.1	Scaffold311	92059	AA	TT	1940444119
SNP_P1_181107_98112	NW_004515820.1	Scaffold311	98112	AA	TT	1940444120

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181109_98143	NW_004515820.1	Scaffold311	98143	GG	TT	1940444122
SNP_P1_181110_101978	NW_004515820.1	Scaffold311	101978	GG	AA	1940444123
SNP_P1_181111_102099	NW_004515820.1	Scaffold311	102099	GG	TT	1940444124
SNP_P1_181112_102119	NW_004515820.1	Scaffold311	102119	GG	AA	1940444125
SNP_P1_181113_102205	NW_004515820.1	Scaffold311	102205	TT	AA	1940444126
SNP_P1_181114_102208	NW_004515820.1	Scaffold311	102208	GG	TT	1940444127
SNP_P1_181115_102239	NW_004515820.1	Scaffold311	102239	AA	CC	1940444128
SNP_P1_181116_102245	NW_004515820.1	Scaffold311	102245	CC	AA	1940444129
SNP_P1_181117_102284	NW_004515820.1	Scaffold311	102284	AA	GG	1940444130
SNP_P1_181118_102424	NW_004515820.1	Scaffold311	102424	AA	CC	1940444131
SNP_P1_181119_102433	NW_004515820.1	Scaffold311	102433	AA	TT	1940444132
SNP_P1_181120_106549	NW_004515820.1	Scaffold311	106549	GG	TT	1940444133
SNP_P1_181121_106558	NW_004515820.1	Scaffold311	106558	AA	CC	1940444134
SNP_P1_181122_106571	NW_004515820.1	Scaffold311	106571	CC	AA	1940444135
SNP_P1_181123_106573	NW_004515820.1	Scaffold311	106573	CC	TT	1940444136
SNP_P1_181124_110799	NW_004515820.1	Scaffold311	110799	CC	TT	1940444137
SNP_P1_181125_112924	NW_004515820.1	Scaffold311	112924	AA	GG	1940444138
SNP_P1_181126_117157	NW_004515820.1	Scaffold311	117157	AA	TT	1940444139
SNP_P1_181127_118469	NW_004515820.1	Scaffold311	118469	CC	TT	1940444140
SNP_P1_181128_123204	NW_004515820.1	Scaffold311	123204	CC	TT	1940444141
SNP_P1_181129_123218	NW_004515820.1	Scaffold311	123218	GG	AA	1940444142
SNP_P1_181130_123226	NW_004515820.1	Scaffold311	123226	AA	GG	1940444143
SNP_P1_181131_123354	NW_004515820.1	Scaffold311	123354	AA	TT	1940444144
SNP_P1_181132_123536	NW_004515820.1	Scaffold311	123536	AA	TT	1940444145
SNP_P1_181133_123575	NW_004515820.1	Scaffold311	123575	TT	CC	1940444146
SNP_P1_181134_123601	NW_004515820.1	Scaffold311	123601	AA	TT	1940444147
SNP_P1_181135_123603	NW_004515820.1	Scaffold311	123603	AA	CC	1940444148
SNP_P1_181136_123609	NW_004515820.1	Scaffold311	123609	TT	CC	1940444149
SNP_P1_181137_123622	NW_004515820.1	Scaffold311	123622	CC	GG	1940444150
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SNP_P1_181139_124777	NW_004515820.1	Scaffold311	124777	GG	AA	1940444152
SNP_P1_181140_124779	NW_004515820.1	Scaffold311	124779	CC	AA	1940444153
SNP_P1_181141_129569	NW_004515820.1	Scaffold311	129569	AA	CC	1940444154
SNP_P1_181142_129577	NW_004515820.1	Scaffold311	129577	GG	TT	1940444155
SNP_P1_181143_129594	NW_004515820.1	Scaffold311	129594	AA	GG	1940444156
SNP_P1_181144_129803	NW_004515820.1	Scaffold311	129803	AA	GG	1940444157
SNP_P1_181145_131355	NW_004515820.1	Scaffold311	131355	GG	CC	1940444158
SNP_P1_181147_131668	NW_004515820.1	Scaffold311	131668	TT	CC	1940444159
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SNP_P1_181149_133315	NW_004515820.1	Scaffold311	133315	CC	GG	1940444161
SNP_P1_181150_133320	NW_004515820.1	Scaffold311	133320	AA	GG	1940444162

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181154_148719	NW_004515820.1	Scaffold311	148719	GG	CC	1940444165
SNP_P1_181155_148730	NW_004515820.1	Scaffold311	148730	TT	AA	1940444166
SNP_P1_181156_149082	NW_004515820.1	Scaffold311	149082	AA	GG	1940444167
SNP_P1_181157_149449	NW_004515820.1	Scaffold311	149449	AA	GG	1940444168
SNP_P1_181158_160278	NW_004515820.1	Scaffold311	160278	AA	CC	1940444169
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SNP_P1_181160_160324	NW_004515820.1	Scaffold311	160324	CC	TT	1940444171
SNP_P1_181161_160336	NW_004515820.1	Scaffold311	160336	GG	AA	1940444172
SNP_P1_181162_160445	NW_004515820.1	Scaffold311	160445	AA	TT	1940444173
SNP_P1_181163_160449	NW_004515820.1	Scaffold311	160449	AA	GG	1940444174
SNP_P1_181164_160583	NW_004515820.1	Scaffold311	160583	AA	GG	1940444175
SNP_P1_181165_160651	NW_004515820.1	Scaffold311	160651	TT	GG	1940444176
SNP_P1_181166_160735	NW_004515820.1	Scaffold311	160735	TT	CC	1940444177
SNP_P1_181167_160851	NW_004515820.1	Scaffold311	160851	GG	TT	1940444178
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SNP_P1_181169_160880	NW_004515820.1	Scaffold311	160880	TT	AA	1940444180
SNP_P1_181170_160979	NW_004515820.1	Scaffold311	160979	GG	CC	1940444181
SNP_P1_181171_160986	NW_004515820.1	Scaffold311	160986	CC	AA	1940444182
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SNP_P1_181173_163387	NW_004515820.1	Scaffold311	163387	AA	CC	1940444184
SNP_P1_181174_169908	NW_004515820.1	Scaffold311	169908	GG	AA	1940444185
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SNP_P1_181176_170227	NW_004515820.1	Scaffold311	170227	AA	GG	1940444187
SNP_P1_181178_176423	NW_004515820.1	Scaffold311	176423	AA	TT	1940444188
SNP_P1_181179_180563	NW_004515820.1	Scaffold311	180563	TT	GG	1940444189
SNP_P1_181180_180656	NW_004515820.1	Scaffold311	180656	AA	GG	1940444191
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SNP_P1_181182_180906	NW_004515820.1	Scaffold311	180906	GG	AA	1940444193
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SNP_P1_181184_180937	NW_004515820.1	Scaffold311	180937	GG	AA	1940444195
SNP_P1_181185_180966	NW_004515820.1	Scaffold311	180966	CC	TT	1940444196
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SNP_P1_181188_181000	NW_004515820.1	Scaffold311	181000	AA	GG	1940444199
SNP_P1_181189_181014	NW_004515820.1	Scaffold311	181014	GG	AA	1940444200
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SNP_P1_181192_181049	NW_004515820.1	Scaffold311	181049	GG	AA	1940444203
SNP_P1_181193_181081	NW_004515820.1	Scaffold311	181081	TT	CC	1940444204
SNP_P1_181194_181086	NW_004515820.1	Scaffold311	181086	TT	CC	1940444205

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181198_186255	NW_004515820.1	Scaffold311	186255	CC	AA	1940444209
SNP_P1_181199_188197	NW_004515820.1	Scaffold311	188197	GG	CC	1940444210
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SNP_P1_181205_227863	NW_004515820.1	Scaffold311	227863	GG	AA	1940444216
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SNP_P1_181208_228797	NW_004515820.1	Scaffold311	228797	AA	TT	1940444219
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SNP_P1_181212_237185	NW_004515820.1	Scaffold311	237185	TT	CC	1940444223
SNP_P1_181213_602	NW_004515822.1	Scaffold313	602	TT	GG	1940444224
SNP_P1_181214_3213	NW_004515822.1	Scaffold313	3213	GG	CC	1940444225
SNP_P1_181215_5330	NW_004515822.1	Scaffold313	5330	CC	TT	1940444226
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SNP_P1_181218_6446	NW_004515822.1	Scaffold313	6446	AA	TT	1940444229
SNP_P1_181219_6447	NW_004515822.1	Scaffold313	6447	CC	AA	1940444230
SNP_P1_181220_6575	NW_004515822.1	Scaffold313	6575	TT	GG	1940444231
SNP_P1_181221_6601	NW_004515822.1	Scaffold313	6601	GG	TT	1940444232
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SNP_P1_181226_6733	NW_004515822.1	Scaffold313	6733	CC	TT	1940444237
SNP_P1_181227_6774	NW_004515822.1	Scaffold313	6774	AA	GG	1940444238
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SNP_P1_181231_7395	NW_004515822.1	Scaffold313	7395	TT	CC	1940444242
SNP_P1_181232_7441	NW_004515822.1	Scaffold313	7441	AA	GG	1940444243
SNP_P1_181233_10746	NW_004515822.1	Scaffold313	10746	GG	CC	1940444244
SNP_P1_181234_10768	NW_004515822.1	Scaffold313	10768	TT	GG	1940444245
SNP_P1_181235_10968	NW_004515822.1	Scaffold313	10968	TT	GG	1940444246
SNP_P1_181236_22038	NW_004515823.1	Scaffold314	22038	CC	AA	1940444247

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181238_22645	NW_004515823.1	Scaffold314	22645	AA	GG	1940444249
SNP_P1_181239_22661	NW_004515823.1	Scaffold314	22661	AA	GG	1940444250
SNP_P1_181240_22686	NW_004515823.1	Scaffold314	22686	AA	GG	1940444251
SNP_P1_181241_22699	NW_004515823.1	Scaffold314	22699	TT	CC	1940444252
SNP_P1_181242_22706	NW_004515823.1	Scaffold314	22706	CC	AA	1940444253
SNP_P1_181243_22723	NW_004515823.1	Scaffold314	22723	GG	AA	1940444254
SNP_P1_181244_22765	NW_004515823.1	Scaffold314	22765	TT	CC	1940444255
SNP_P1_181245_22786	NW_004515823.1	Scaffold314	22786	GG	CC	1940444256
SNP_P1_181246_22813	NW_004515823.1	Scaffold314	22813	TT	CC	1940444257
SNP_P1_181247_22831	NW_004515823.1	Scaffold314	22831	AA	GG	1940444258
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SNP_P1_181249_22858	NW_004515823.1	Scaffold314	22858	AA	GG	1940444260
SNP_P1_181250_22880	NW_004515823.1	Scaffold314	22880	CC	GG	1940444261
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SNP_P1_181252_22918	NW_004515823.1	Scaffold314	22918	AA	GG	1940444263
SNP_P1_181253_23037	NW_004515823.1	Scaffold314	23037	AA	GG	1940444264
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SNP_P1_181256_23165	NW_004515823.1	Scaffold314	23165	TT	CC	1940444267
SNP_P1_181257_23196	NW_004515823.1	Scaffold314	23196	GG	TT	1940444268
SNP_P1_181258_23218	NW_004515823.1	Scaffold314	23218	GG	AA	1940444269
SNP_P1_181259_23232	NW_004515823.1	Scaffold314	23232	TT	CC	1940444270
SNP_P1_181260_23236	NW_004515823.1	Scaffold314	23236	GG	TT	1940444271
SNP_P1_181261_23241	NW_004515823.1	Scaffold314	23241	TT	GG	1940444272
SNP_P1_181262_23297	NW_004515823.1	Scaffold314	23297	AA	GG	1940444273
SNP_P1_181263_31904	NW_004515823.1	Scaffold314	31904	AA	GG	1940444274
SNP_P1_181264_33020	NW_004515823.1	Scaffold314	33020	GG	CC	1940444275
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SNP_P1_181266_55035	NW_004515823.1	Scaffold314	55035	CC	TT	1940444277
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SNP_P1_181268_76868	NW_004515823.1	Scaffold314	76868	CC	TT	1940444279
SNP_P1_181269_76902	NW_004515823.1	Scaffold314	76902	TT	CC	1940444280
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SNP_P1_181271_77291	NW_004515823.1	Scaffold314	77291	TT	AA	1940444282
SNP_P1_181272_77368	NW_004515823.1	Scaffold314	77368	AA	GG	1940444283
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SNP_P1_181274_79221	NW_004515823.1	Scaffold314	79221	CC	TT	1940444285
SNP_P1_181275_79705	NW_004515823.1	Scaffold314	79705	TT	CC	1940444286
SNP_P1_181276_79745	NW_004515823.1	Scaffold314	79745	CC	TT	1940444287
SNP_P1_181278_87703	NW_004515823.1	Scaffold314	87703	AA	GG	1940444288
SNP_P1_181280_97443	NW_004515823.1	Scaffold314	97443	TT	CC	1940444289

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181282_111046	NW_004515823.1	Scaffold314	111046	AA	GG	1940444291
SNP_P1_181283_112908	NW_004515823.1	Scaffold314	112908	GG	TT	1940444292
SNP_P1_181284_112915	NW_004515823.1	Scaffold314	112915	AA	TT	1940444293
SNP_P1_181285_127258	NW_004515823.1	Scaffold314	127258	TT	GG	1940444294
SNP_P1_181286_127267	NW_004515823.1	Scaffold314	127267	AA	CC	1940444295
SNP_P1_181287_127277	NW_004515823.1	Scaffold314	127277	AA	TT	1940444296
SNP_P1_181288_127279	NW_004515823.1	Scaffold314	127279	TT	AA	1940444297
SNP_P1_181289_127280	NW_004515823.1	Scaffold314	127280	GG	TT	1940444298
SNP_P1_181290_127281	NW_004515823.1	Scaffold314	127281	TT	AA	1940444299
SNP_P1_181291_127282	NW_004515823.1	Scaffold314	127282	TT	CC	1940444300
SNP_P1_181292_127333	NW_004515823.1	Scaffold314	127333	AA	TT	1940444301
SNP_P1_181295_141058	NW_004515823.1	Scaffold314	141058	CC	TT	1940444302
SNP_P1_181296_148399	NW_004515823.1	Scaffold314	148399	GG	AA	1940444303
SNP_P1_181297_157308	NW_004515823.1	Scaffold314	157308	TT	GG	1940444304
SNP_P1_181298_157356	NW_004515823.1	Scaffold314	157356	AA	GG	1940444305
SNP_P1_181299_157374	NW_004515823.1	Scaffold314	157374	CC	TT	1940444306
SNP_P1_181300_164688	NW_004515823.1	Scaffold314	164688	GG	AA	1940444307
SNP_P1_181301_213783	NW_004515823.1	Scaffold314	213783	GG	TT	1940444308
SNP_P1_181302_213789	NW_004515823.1	Scaffold314	213789	TT	CC	1940444309
SNP_P1_181303_218865	NW_004515823.1	Scaffold314	218865	AA	CC	1940444310
SNP_P1_181305_222170	NW_004515823.1	Scaffold314	222170	TT	GG	1940444311
SNP_P1_181306_222657	NW_004515823.1	Scaffold314	222657	CC	TT	1940444312
SNP_P1_181307_222730	NW_004515823.1	Scaffold314	222730	CC	TT	1940444313
SNP_P1_181308_222989	NW_004515823.1	Scaffold314	222989	CC	TT	1940444314
SNP_P1_181309_222997	NW_004515823.1	Scaffold314	222997	AA	TT	1940444315
SNP_P1_181310_223479	NW_004515823.1	Scaffold314	223479	GG	AA	1940444316
SNP_P1_181311_223938	NW_004515823.1	Scaffold314	223938	AA	TT	1940444317
SNP_P1_181312_224056	NW_004515823.1	Scaffold314	224056	TT	CC	1940444318
SNP_P1_181313_224324	NW_004515823.1	Scaffold314	224324	CC	TT	1940444319
SNP_P1_181314_224500	NW_004515823.1	Scaffold314	224500	TT	GG	1940444320
SNP_P1_181315_225033	NW_004515823.1	Scaffold314	225033	TT	CC	1940444321
SNP_P1_181316_229075	NW_004515823.1	Scaffold314	229075	GG	AA	1940444322
SNP_P1_181317_229481	NW_004515823.1	Scaffold314	229481	CC	AA	1940444323
SNP_P1_181318_231144	NW_004515823.1	Scaffold314	231144	GG	AA	1940444324
SNP_P1_181319_231751	NW_004515823.1	Scaffold314	231751	GG	AA	1940444325
SNP_P1_181320_232451	NW_004515823.1	Scaffold314	232451	TT	GG	1940444326
SNP_P1_181321_273754	NW_004515823.1	Scaffold314	273754	TT	GG	1940444327
SNP_P1_181322_275295	NW_004515823.1	Scaffold314	275295	TT	CC	1940444328
SNP_P1_181323_275361	NW_004515823.1	Scaffold314	275361	GG	CC	1940444329
SNP_P1_181324_275416	NW_004515823.1	Scaffold314	275416	AA	CC	1940444330
SNP_P1_181325_275489	NW_004515823.1	Scaffold314	275489	TT	CC	1940444331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181327_275550	NW_004515823.1	Scaffold314	275550	AA	GG	1940444333
SNP_P1_181328_275593	NW_004515823.1	Scaffold314	275593	AA	TT	1940444334
SNP_P1_181329_275594	NW_004515823.1	Scaffold314	275594	GG	TT	1940444335
SNP_P1_181330_275596	NW_004515823.1	Scaffold314	275596	GG	TT	1940444337
SNP_P1_181331_275619	NW_004515823.1	Scaffold314	275619	TT	CC	1940444338
SNP_P1_181332_276073	NW_004515823.1	Scaffold314	276073	GG	AA	1940444339
SNP_P1_181333_290720	NW_004515823.1	Scaffold314	290720	GG	AA	1940444340
SNP_P1_181334_290750	NW_004515823.1	Scaffold314	290750	AA	TT	1940444341
SNP_P1_181335_302803	NW_004515823.1	Scaffold314	302803	GG	AA	1940444342
SNP_P1_181336_302811	NW_004515823.1	Scaffold314	302811	AA	GG	1940444343
SNP_P1_181337_317146	NW_004515823.1	Scaffold314	317146	CC	GG	1940444344
SNP_P1_181338_317168	NW_004515823.1	Scaffold314	317168	GG	CC	1940444345
SNP_P1_181339_322271	NW_004515823.1	Scaffold314	322271	AA	CC	1940444346
SNP_P1_181340_326858	NW_004515823.1	Scaffold314	326858	AA	GG	1940444347
SNP_P1_181341_326865	NW_004515823.1	Scaffold314	326865	CC	AA	1940444348
SNP_P1_181342_335486	NW_004515823.1	Scaffold314	335486	CC	TT	1940444349
SNP_P1_181343_340963	NW_004515823.1	Scaffold314	340963	AA	GG	1940444350
SNP_P1_181344_340972	NW_004515823.1	Scaffold314	340972	AA	GG	1940444351
SNP_P1_181345_340992	NW_004515823.1	Scaffold314	340992	AA	GG	1940444352
SNP_P1_181346_340994	NW_004515823.1	Scaffold314	340994	CC	TT	1940444353
SNP_P1_181347_341120	NW_004515823.1	Scaffold314	341120	TT	GG	1940444354
SNP_P1_181349_341387	NW_004515823.1	Scaffold314	341387	CC	TT	1940444355
SNP_P1_181350_369014	NW_004515823.1	Scaffold314	369014	GG	CC	1940444356
SNP_P1_181351_376411	NW_004515823.1	Scaffold314	376411	AA	GG	1940444357
SNP_P1_181352_378504	NW_004515823.1	Scaffold314	378504	AA	GG	1940444358
SNP_P1_181353_380830	NW_004515823.1	Scaffold314	380830	TT	GG	1940444359
SNP_P1_181354_380896	NW_004515823.1	Scaffold314	380896	TT	CC	1940444360
SNP_P1_181357_475485	NW_004515823.1	Scaffold314	475485	GG	TT	1940444361
SNP_P1_181358_506166	NW_004515823.1	Scaffold314	506166	CC	TT	1940444362
SNP_P1_181359_506174	NW_004515823.1	Scaffold314	506174	TT	CC	1940444363
SNP_P1_181360_506184	NW_004515823.1	Scaffold314	506184	CC	TT	1940444364
SNP_P1_181361_506191	NW_004515823.1	Scaffold314	506191	AA	GG	1940444365
SNP_P1_181362_510022	NW_004515823.1	Scaffold314	510022	TT	GG	1940444366
SNP_P1_181363_510026	NW_004515823.1	Scaffold314	510026	AA	CC	1940444367
SNP_P1_181364_512134	NW_004515823.1	Scaffold314	512134	CC	AA	1940444368
SNP_P1_181366_512226	NW_004515823.1	Scaffold314	512226	GG	AA	1940444369
SNP_P1_181367_512258	NW_004515823.1	Scaffold314	512258	GG	AA	1940444370
SNP_P1_181368_512327	NW_004515823.1	Scaffold314	512327	CC	TT	1940444371
SNP_P1_181369_512558	NW_004515823.1	Scaffold314	512558	CC	TT	1940444372
SNP_P1_181370_512625	NW_004515823.1	Scaffold314	512625	AA	GG	1940444373
SNP_P1_181372_541323	NW_004515823.1	Scaffold314	541323	TT	AA	1940444374

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181375_553156	NW_004515823.1	Scaffold314	553156	AA	CC	1940444376
SNP_P1_181376_574046	NW_004515823.1	Scaffold314	574046	TT	GG	1940444377
SNP_P1_181378_595160	NW_004515823.1	Scaffold314	595160	GG	AA	1940444378
SNP_P1_181379_629435	NW_004515823.1	Scaffold314	629435	AA	GG	1940444379
SNP_P1_181380_639482	NW_004515823.1	Scaffold314	639482	TT	GG	1940444380
SNP_P1_181381_639483	NW_004515823.1	Scaffold314	639483	TT	GG	1940444381
SNP_P1_181383_675780	NW_004515823.1	Scaffold314	675780	GG	TT	1940444382
SNP_P1_181384_677855	NW_004515823.1	Scaffold314	677855	AA	TT	1940444383
SNP_P1_181385_677857	NW_004515823.1	Scaffold314	677857	GG	AA	1940444384
SNP_P1_181387_740745	NW_004515823.1	Scaffold314	740745	TT	AA	1940444385
SNP_P1_181388_742246	NW_004515823.1	Scaffold314	742246	AA	TT	1940444386
SNP_P1_181389_744713	NW_004515823.1	Scaffold314	744713	CC	GG	1940444387
SNP_P1_181390_747833	NW_004515823.1	Scaffold314	747833	AA	CC	1940444388
SNP_P1_181391_759737	NW_004515823.1	Scaffold314	759737	AA	TT	1940444389
SNP_P1_181392_760045	NW_004515823.1	Scaffold314	760045	TT	CC	1940444390
SNP_P1_181393_1020	NW_004515824.1	Scaffold315	1020	GG	CC	1940444391
SNP_P1_181394_18647	NW_004515824.1	Scaffold315	18647	AA	CC	1940444392
SNP_P1_181395_287	NW_004515825.1	Scaffold317	287	TT	CC	1940444393
SNP_P1_181396_308	NW_004515825.1	Scaffold317	308	GG	AA	1940444394
SNP_P1_181397_553	NW_004515825.1	Scaffold317	553	CC	TT	1940444395
SNP_P1_181398_563	NW_004515825.1	Scaffold317	563	AA	GG	1940444396
SNP_P1_181399_673	NW_004515825.1	Scaffold317	673	CC	TT	1940444397
SNP_P1_181400_5959	NW_004515825.1	Scaffold317	5959	AA	CC	1940444398
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SNP_P1_181414_46476	NW_004515825.1	Scaffold317	46476	AA	GG	1940444410
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SNP_P1_181416_46500	NW_004515825.1	Scaffold317	46500	TT	CC	1940444412
SNP_P1_181417_46565	NW_004515825.1	Scaffold317	46565	GG	TT	1940444413
SNP_P1_181418_46681	NW_004515825.1	Scaffold317	46681	GG	CC	1940444414
SNP_P1_181419_46710	NW_004515825.1	Scaffold317	46710	AA	GG	1940444415
SNP_P1_181420_46737	NW_004515825.1	Scaffold317	46737	AA	GG	1940444416

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181423_47013	NW_004515825.1	Scaffold317	47013	TT	AA	1940444419
SNP_P1_181424_53213	NW_004515825.1	Scaffold317	53213	CC	TT	1940444420
SNP_P1_181425_53224	NW_004515825.1	Scaffold317	53224	AA	GG	1940444421
SNP_P1_181426_53236	NW_004515825.1	Scaffold317	53236	CC	TT	1940444422
SNP_P1_181427_53267	NW_004515825.1	Scaffold317	53267	CC	TT	1940444423
SNP_P1_181428_54223	NW_004515825.1	Scaffold317	54223	TT	GG	1940444424
SNP_P1_181429_54232	NW_004515825.1	Scaffold317	54232	GG	AA	1940444425
SNP_P1_181430_54275	NW_004515825.1	Scaffold317	54275	TT	GG	1940444426
SNP_P1_181431_54588	NW_004515825.1	Scaffold317	54588	AA	GG	1940444427
SNP_P1_181432_60239	NW_004515825.1	Scaffold317	60239	AA	TT	1940444428
SNP_P1_181433_63609	NW_004515825.1	Scaffold317	63609	GG	AA	1940444429
SNP_P1_181435_76661	NW_004515825.1	Scaffold317	76661	AA	CC	1940444430
SNP_P1_181436_80260	NW_004515825.1	Scaffold317	80260	TT	CC	1940444431
SNP_P1_181437_80537	NW_004515825.1	Scaffold317	80537	AA	CC	1940444432
SNP_P1_181438_80573	NW_004515825.1	Scaffold317	80573	GG	AA	1940444433
SNP_P1_181439_80822	NW_004515825.1	Scaffold317	80822	GG	AA	1940444434
SNP_P1_181441_84435	NW_004515825.1	Scaffold317	84435	GG	AA	1940444435
SNP_P1_181442_105563	NW_004515825.1	Scaffold317	105563	TT	GG	1940444436
SNP_P1_181443_107458	NW_004515825.1	Scaffold317	107458	AA	TT	1940444437
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SNP_P1_181447_115471	NW_004515825.1	Scaffold317	115471	AA	GG	1940444441
SNP_P1_181448_124545	NW_004515825.1	Scaffold317	124545	TT	GG	1940444442
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SNP_P1_181450_136022	NW_004515825.1	Scaffold317	136022	GG	AA	1940444444
SNP_P1_181451_140460	NW_004515825.1	Scaffold317	140460	GG	CC	1940444445
SNP_P1_181452_143050	NW_004515825.1	Scaffold317	143050	AA	GG	1940444446
SNP_P1_181453_144055	NW_004515825.1	Scaffold317	144055	TT	CC	1940444447
SNP_P1_181454_145883	NW_004515825.1	Scaffold317	145883	CC	AA	1940444448
SNP_P1_181455_145899	NW_004515825.1	Scaffold317	145899	GG	AA	1940444449
SNP_P1_181456_145919	NW_004515825.1	Scaffold317	145919	AA	GG	1940444450
SNP_P1_181457_145973	NW_004515825.1	Scaffold317	145973	TT	GG	1940444451
SNP_P1_181458_146042	NW_004515825.1	Scaffold317	146042	TT	CC	1940444452
SNP_P1_181459_146083	NW_004515825.1	Scaffold317	146083	GG	CC	1940444453
SNP_P1_181460_146139	NW_004515825.1	Scaffold317	146139	AA	GG	1940444454
SNP_P1_181461_146140	NW_004515825.1	Scaffold317	146140	TT	GG	1940444455
SNP_P1_181462_150042	NW_004515825.1	Scaffold317	150042	GG	TT	1940444456
SNP_P1_181463_151134	NW_004515825.1	Scaffold317	151134	GG	AA	1940444457
SNP_P1_181464_151149	NW_004515825.1	Scaffold317	151149	TT	CC	1940444458

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_181465_151594	NW_004515825.1	Scaffold317	151594	AA	TT	1940444459
SNP_P1_181466_159685	NW_004515825.1	Scaffold317	159685	CC	TT	1940444460
SNP_P1_181467_163483	NW_004515825.1	Scaffold317	163483	TT	CC	1940444461
SNP_P1_181468_163768	NW_004515825.1	Scaffold317	163768	TT	CC	1940444462
SNP_P1_181469_170499	NW_004515825.1	Scaffold317	170499	CC	AA	1940444463
SNP_P1_181470_171862	NW_004515825.1	Scaffold317	171862	AA	GG	1940444464
SNP_P1_181471_171928	NW_004515825.1	Scaffold317	171928	CC	TT	1940444465
SNP_P1_181472_180241	NW_004515825.1	Scaffold317	180241	AA	TT	1940444466
SNP_P1_181473_180247	NW_004515825.1	Scaffold317	180247	AA	GG	1940444467
SNP_P1_181474_180258	NW_004515825.1	Scaffold317	180258	CC	TT	1940444468
SNP_P1_181475_180259	NW_004515825.1	Scaffold317	180259	AA	GG	1940444469
SNP_P1_181476_180274	NW_004515825.1	Scaffold317	180274	TT	GG	1940444470
SNP_P1_181477_180298	NW_004515825.1	Scaffold317	180298	TT	GG	1940444471
SNP_P1_181478_180346	NW_004515825.1	Scaffold317	180346	CC	TT	1940444472
SNP_P1_181479_180364	NW_004515825.1	Scaffold317	180364	CC	AA	1940444473
SNP_P1_181480_180388	NW_004515825.1	Scaffold317	180388	CC	TT	1940444474
SNP_P1_181481_180394	NW_004515825.1	Scaffold317	180394	GG	TT	1940444475
SNP_P1_181482_180410	NW_004515825.1	Scaffold317	180410	AA	GG	1940444476
SNP_P1_181483_180619	NW_004515825.1	Scaffold317	180619	GG	AA	1940444477
SNP_P1_181484_180704	NW_004515825.1	Scaffold317	180704	TT	GG	1940444478
SNP_P1_181485_180742	NW_004515825.1	Scaffold317	180742	GG	TT	1940444480
SNP_P1_181486_184144	NW_004515825.1	Scaffold317	184144	CC	AA	1940444481
SNP_P1_181487_184718	NW_004515825.1	Scaffold317	184718	AA	CC	1940444482
SNP_P1_181488_189711	NW_004515825.1	Scaffold317	189711	TT	CC	1940444483
SNP_P1_181489_189778	NW_004515825.1	Scaffold317	189778	TT	GG	1940444484
SNP_P1_181490_189784	NW_004515825.1	Scaffold317	189784	TT	GG	1940444485
SNP_P1_181491_189809	NW_004515825.1	Scaffold317	189809	TT	CC	1940444486
SNP_P1_181492_189836	NW_004515825.1	Scaffold317	189836	CC	TT	1940444487
SNP_P1_181493_189861	NW_004515825.1	Scaffold317	189861	GG	CC	1940444488
SNP_P1_181494_190079	NW_004515825.1	Scaffold317	190079	GG	AA	1940444489
SNP_P1_181495_190086	NW_004515825.1	Scaffold317	190086	AA	GG	1940444490
SNP_P1_181496_190089	NW_004515825.1	Scaffold317	190089	CC	AA	1940444491
SNP_P1_181497_190149	NW_004515825.1	Scaffold317	190149	GG	AA	1940444492
SNP_P1_181498_190191	NW_004515825.1	Scaffold317	190191	AA	GG	1940444493
SNP_P1_181499_195082	NW_004515825.1	Scaffold317	195082	TT	GG	1940444494
SNP_P1_181500_195121	NW_004515825.1	Scaffold317	195121	GG	AA	1940444495
SNP_P1_181501_195129	NW_004515825.1	Scaffold317	195129	GG	CC	1940444496
SNP_P1_181502_195268	NW_004515825.1	Scaffold317	195268	CC	GG	1940444497
SNP_P1_181503_195283	NW_004515825.1	Scaffold317	195283	GG	AA	1940444498
SNP_P1_181504_195314	NW_004515825.1	Scaffold317	195314	AA	GG	1940444499
SNP_P1_181505_195322	NW_004515825.1	Scaffold317	195322	TT	CC	1940444500
SNP_P1_181507_207858	NW_004515825.1	Scaffold317	207858	CC	TT	1940444501

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181509_213694	NW_004515825.1	Scaffold317	213694	AA	GG	1940444503
SNP_P1_181510_215014	NW_004515825.1	Scaffold317	215014	CC	AA	1940444504
SNP_P1_181511_215403	NW_004515825.1	Scaffold317	215403	TT	GG	1940444505
SNP_P1_181512_215489	NW_004515825.1	Scaffold317	215489	AA	GG	1940444506
SNP_P1_181513_215493	NW_004515825.1	Scaffold317	215493	TT	CC	1940444507
SNP_P1_181514_215587	NW_004515825.1	Scaffold317	215587	TT	GG	1940444508
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SNP_P1_181516_215590	NW_004515825.1	Scaffold317	215590	GG	AA	1940444510
SNP_P1_181517_215650	NW_004515825.1	Scaffold317	215650	AA	GG	1940444511
SNP_P1_181518_215673	NW_004515825.1	Scaffold317	215673	TT	CC	1940444512
SNP_P1_181519_215683	NW_004515825.1	Scaffold317	215683	CC	TT	1940444513
SNP_P1_181520_215699	NW_004515825.1	Scaffold317	215699	AA	GG	1940444514
SNP_P1_181521_215748	NW_004515825.1	Scaffold317	215748	CC	AA	1940444515
SNP_P1_181522_215808	NW_004515825.1	Scaffold317	215808	TT	CC	1940444516
SNP_P1_181523_215933	NW_004515825.1	Scaffold317	215933	TT	AA	1940444517
SNP_P1_181524_215944	NW_004515825.1	Scaffold317	215944	CC	TT	1940444518
SNP_P1_181525_215952	NW_004515825.1	Scaffold317	215952	CC	TT	1940444519
SNP_P1_181526_217734	NW_004515825.1	Scaffold317	217734	AA	GG	1940444520
SNP_P1_181527_217744	NW_004515825.1	Scaffold317	217744	CC	TT	1940444521
SNP_P1_181528_217750	NW_004515825.1	Scaffold317	217750	CC	TT	1940444522
SNP_P1_181530_217948	NW_004515825.1	Scaffold317	217948	CC	TT	1940444523
SNP_P1_181531_218045	NW_004515825.1	Scaffold317	218045	AA	TT	1940444524
SNP_P1_181532_218108	NW_004515825.1	Scaffold317	218108	GG	AA	1940444525
SNP_P1_181533_218138	NW_004515825.1	Scaffold317	218138	CC	TT	1940444526
SNP_P1_181535_218170	NW_004515825.1	Scaffold317	218170	TT	CC	1940444527
SNP_P1_181536_218213	NW_004515825.1	Scaffold317	218213	CC	GG	1940444528
SNP_P1_181537_218226	NW_004515825.1	Scaffold317	218226	TT	AA	1940444529
SNP_P1_181538_218271	NW_004515825.1	Scaffold317	218271	AA	GG	1940444530
SNP_P1_181539_219879	NW_004515825.1	Scaffold317	219879	TT	AA	1940444531
SNP_P1_181540_219954	NW_004515825.1	Scaffold317	219954	CC	TT	1940444532
SNP_P1_181541_219969	NW_004515825.1	Scaffold317	219969	GG	AA	1940444533
SNP_P1_181542_219978	NW_004515825.1	Scaffold317	219978	AA	GG	1940444534
SNP_P1_181543_219987	NW_004515825.1	Scaffold317	219987	TT	CC	1940444535
SNP_P1_181544_220007	NW_004515825.1	Scaffold317	220007	GG	AA	1940444536
SNP_P1_181545_220014	NW_004515825.1	Scaffold317	220014	CC	TT	1940444537
SNP_P1_181546_230105	NW_004515825.1	Scaffold317	230105	GG	TT	1940444538
SNP_P1_181547_344	NW_004515826.1	Scaffold319	344	CC	TT	1940444539
SNP_P1_181550_5660	NW_004515826.1	Scaffold319	5660	GG	AA	1940444540
SNP_P1_181551_5721	NW_004515826.1	Scaffold319	5721	TT	CC	1940444541
SNP_P1_181552_6671	NW_004515826.1	Scaffold319	6671	CC	AA	1940444542
SNP_P1_181553_6687	NW_004515826.1	Scaffold319	6687	GG	AA	1940444543

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181555_6733	NW_004515826.1	Scaffold319	6733	CC	GG	1940444545
SNP_P1_181556_6759	NW_004515826.1	Scaffold319	6759	GG	AA	1940444546
SNP_P1_181557_6774	NW_004515826.1	Scaffold319	6774	AA	CC	1940444547
SNP_P1_181559_7011	NW_004515826.1	Scaffold319	7011	GG	CC	1940444548
SNP_P1_181560_7162	NW_004515826.1	Scaffold319	7162	TT	CC	1940444549
SNP_P1_181561_7174	NW_004515826.1	Scaffold319	7174	GG	TT	1940444550
SNP_P1_181562_7175	NW_004515826.1	Scaffold319	7175	GG	AA	1940444551
SNP_P1_181563_7178	NW_004515826.1	Scaffold319	7178	TT	CC	1940444552
SNP_P1_181564_7179	NW_004515826.1	Scaffold319	7179	CC	TT	1940444553
SNP_P1_181566_9064	NW_004515826.1	Scaffold319	9064	TT	AA	1940444554
SNP_P1_181567_11992	NW_004515826.1	Scaffold319	11992	TT	CC	1940444555
SNP_P1_181568_12046	NW_004515826.1	Scaffold319	12046	GG	TT	1940444556
SNP_P1_181569_12069	NW_004515826.1	Scaffold319	12069	AA	GG	1940444557
SNP_P1_181570_12078	NW_004515826.1	Scaffold319	12078	AA	GG	1940444558
SNP_P1_181571_12397	NW_004515826.1	Scaffold319	12397	CC	TT	1940444559
SNP_P1_181572_12458	NW_004515826.1	Scaffold319	12458	GG	AA	1940444560
SNP_P1_181573_12471	NW_004515826.1	Scaffold319	12471	TT	CC	1940444561
SNP_P1_181574_12550	NW_004515826.1	Scaffold319	12550	AA	CC	1940444562
SNP_P1_181575_14550	NW_004515826.1	Scaffold319	14550	TT	AA	1940444563
SNP_P1_181576_14609	NW_004515826.1	Scaffold319	14609	GG	TT	1940444564
SNP_P1_181577_14651	NW_004515826.1	Scaffold319	14651	GG	AA	1940444565
SNP_P1_181578_14763	NW_004515826.1	Scaffold319	14763	CC	GG	1940444566
SNP_P1_181579_14781	NW_004515826.1	Scaffold319	14781	CC	GG	1940444567
SNP_P1_181580_16161	NW_004515826.1	Scaffold319	16161	GG	TT	1940444568
SNP_P1_181581_19796	NW_004515826.1	Scaffold319	19796	GG	AA	1940444569
SNP_P1_181582_20996	NW_004515826.1	Scaffold319	20996	AA	GG	1940444570
SNP_P1_181583_20998	NW_004515826.1	Scaffold319	20998	TT	CC	1940444571
SNP_P1_181584_21000	NW_004515826.1	Scaffold319	21000	GG	AA	1940444572
SNP_P1_181585_33259	NW_004515826.1	Scaffold319	33259	GG	AA	1940444573
SNP_P1_181586_33272	NW_004515826.1	Scaffold319	33272	TT	CC	1940444574
SNP_P1_181587_33362	NW_004515826.1	Scaffold319	33362	TT	GG	1940444575
SNP_P1_181588_33368	NW_004515826.1	Scaffold319	33368	CC	TT	1940444576
SNP_P1_181589_33406	NW_004515826.1	Scaffold319	33406	GG	AA	1940444577
SNP_P1_181590_33409	NW_004515826.1	Scaffold319	33409	CC	TT	1940444578
SNP_P1_181591_33414	NW_004515826.1	Scaffold319	33414	CC	TT	1940444579
SNP_P1_181592_33423	NW_004515826.1	Scaffold319	33423	TT	AA	1940444580
SNP_P1_181593_33621	NW_004515826.1	Scaffold319	33621	AA	TT	1940444581
SNP_P1_181594_33656	NW_004515826.1	Scaffold319	33656	AA	GG	1940444582
SNP_P1_181595_35405	NW_004515826.1	Scaffold319	35405	AA	GG	1940444583
SNP_P1_181596_35428	NW_004515826.1	Scaffold319	35428	TT	CC	1940444584
SNP_P1_181597_35488	NW_004515826.1	Scaffold319	35488	TT	CC	1940444585

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181599_35727	NW_004515826.1	Scaffold319	35727	CC	GG	1940444587
SNP_P1_181600_40691	NW_004515826.1	Scaffold319	40691	GG	AA	1940444588
SNP_P1_181601_40703	NW_004515826.1	Scaffold319	40703	TT	AA	1940444589
SNP_P1_181602_40712	NW_004515826.1	Scaffold319	40712	TT	CC	1940444590
SNP_P1_181603_42904	NW_004515826.1	Scaffold319	42904	TT	AA	1940444591
SNP_P1_181604_43005	NW_004515826.1	Scaffold319	43005	AA	GG	1940444592
SNP_P1_181605_43157	NW_004515826.1	Scaffold319	43157	TT	CC	1940444593
SNP_P1_181606_43222	NW_004515826.1	Scaffold319	43222	GG	TT	1940444594
SNP_P1_181607_43298	NW_004515826.1	Scaffold319	43298	TT	AA	1940444595
SNP_P1_181608_43318	NW_004515826.1	Scaffold319	43318	AA	TT	1940444596
SNP_P1_181609_43354	NW_004515826.1	Scaffold319	43354	GG	TT	1940444597
SNP_P1_181610_43355	NW_004515826.1	Scaffold319	43355	TT	AA	1940444598
SNP_P1_181611_43360	NW_004515826.1	Scaffold319	43360	AA	GG	1940444599
SNP_P1_181612_43388	NW_004515826.1	Scaffold319	43388	TT	AA	1940444600
SNP_P1_181613_43620	NW_004515826.1	Scaffold319	43620	AA	TT	1940444601
SNP_P1_181614_47028	NW_004515826.1	Scaffold319	47028	TT	CC	1940444602
SNP_P1_181615_51730	NW_004515826.1	Scaffold319	51730	TT	AA	1940444603
SNP_P1_181616_52131	NW_004515826.1	Scaffold319	52131	TT	CC	1940444604
SNP_P1_181617_55984	NW_004515826.1	Scaffold319	55984	AA	TT	1940444605
SNP_P1_181618_56000	NW_004515826.1	Scaffold319	56000	AA	GG	1940444606
SNP_P1_181619_56191	NW_004515826.1	Scaffold319	56191	TT	CC	1940444607
SNP_P1_181620_56363	NW_004515826.1	Scaffold319	56363	TT	CC	1940444608
SNP_P1_181621_56547	NW_004515826.1	Scaffold319	56547	CC	AA	1940444609
SNP_P1_181622_56564	NW_004515826.1	Scaffold319	56564	GG	TT	1940444610
SNP_P1_181623_56611	NW_004515826.1	Scaffold319	56611	TT	CC	1940444611
SNP_P1_181624_56612	NW_004515826.1	Scaffold319	56612	TT	CC	1940444612
SNP_P1_181625_64	NW_004515827.1	Scaffold321	64	CC	GG	1940444613
SNP_P1_181626_108	NW_004515827.1	Scaffold321	108	TT	AA	1940444614
SNP_P1_181627_174	NW_004515827.1	Scaffold321	174	TT	CC	1940444615
SNP_P1_181628_201	NW_004515827.1	Scaffold321	201	GG	AA	1940444616
SNP_P1_181629_208	NW_004515827.1	Scaffold321	208	TT	AA	1940444617
SNP_P1_181630_347	NW_004515827.1	Scaffold321	347	GG	CC	1940444618
SNP_P1_181631_6908	NW_004515827.1	Scaffold321	6908	CC	GG	1940444619
SNP_P1_181632_7117	NW_004515827.1	Scaffold321	7117	CC	AA	1940444620
SNP_P1_181633_7128	NW_004515827.1	Scaffold321	7128	CC	TT	1940444621
SNP_P1_181634_9280	NW_004515827.1	Scaffold321	9280	AA	CC	1940444622
SNP_P1_181635_9810	NW_004515827.1	Scaffold321	9810	AA	TT	1940444623
SNP_P1_181636_9831	NW_004515827.1	Scaffold321	9831	TT	CC	1940444624
SNP_P1_181637_9832	NW_004515827.1	Scaffold321	9832	AA	TT	1940444625
SNP_P1_181638_9843	NW_004515827.1	Scaffold321	9843	TT	AA	1940444627
SNP_P1_181639_9883	NW_004515827.1	Scaffold321	9883	AA	GG	1940444628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181642_10117	NW_004515827.1	Scaffold321	10117	AA	GG	1940444631
SNP_P1_181643_12516	NW_004515827.1	Scaffold321	12516	AA	GG	1940444632
SNP_P1_181644_12862	NW_004515827.1	Scaffold321	12862	AA	TT	1940444633
SNP_P1_181645_12927	NW_004515827.1	Scaffold321	12927	GG	TT	1940444634
SNP_P1_181646_13130	NW_004515827.1	Scaffold321	13130	TT	CC	1940444635
SNP_P1_181647_13197	NW_004515827.1	Scaffold321	13197	TT	AA	1940444636
SNP_P1_181648_13269	NW_004515827.1	Scaffold321	13269	CC	GG	1940444637
SNP_P1_181649_13549	NW_004515827.1	Scaffold321	13549	TT	GG	1940444638
SNP_P1_181650_13737	NW_004515827.1	Scaffold321	13737	TT	GG	1940444639
SNP_P1_181651_14400	NW_004515827.1	Scaffold321	14400	GG	CC	1940444640
SNP_P1_181652_14523	NW_004515827.1	Scaffold321	14523	AA	GG	1940444641
SNP_P1_181653_14609	NW_004515827.1	Scaffold321	14609	TT	CC	1940444642
SNP_P1_181654_18002	NW_004515827.1	Scaffold321	18002	CC	GG	1940444643
SNP_P1_181655_19232	NW_004515827.1	Scaffold321	19232	AA	GG	1940444644
SNP_P1_181656_19240	NW_004515827.1	Scaffold321	19240	TT	CC	1940444645
SNP_P1_181657_19249	NW_004515827.1	Scaffold321	19249	AA	GG	1940444646
SNP_P1_181658_19321	NW_004515827.1	Scaffold321	19321	CC	TT	1940444647
SNP_P1_181659_24536	NW_004515827.1	Scaffold321	24536	AA	TT	1940444648
SNP_P1_181660_27725	NW_004515827.1	Scaffold321	27725	CC	TT	1940444649
SNP_P1_181661_27751	NW_004515827.1	Scaffold321	27751	GG	AA	1940444650
SNP_P1_181662_27782	NW_004515827.1	Scaffold321	27782	AA	CC	1940444651
SNP_P1_181663_27828	NW_004515827.1	Scaffold321	27828	GG	AA	1940444652
SNP_P1_181664_27855	NW_004515827.1	Scaffold321	27855	TT	AA	1940444653
SNP_P1_181665_27909	NW_004515827.1	Scaffold321	27909	TT	CC	1940444654
SNP_P1_181666_27998	NW_004515827.1	Scaffold321	27998	GG	AA	1940444655
SNP_P1_181667_28065	NW_004515827.1	Scaffold321	28065	TT	CC	1940444656
SNP_P1_181668_28084	NW_004515827.1	Scaffold321	28084	AA	GG	1940444657
SNP_P1_181669_28130	NW_004515827.1	Scaffold321	28130	GG	CC	1940444658
SNP_P1_181670_28210	NW_004515827.1	Scaffold321	28210	AA	GG	1940444659
SNP_P1_181671_32756	NW_004515827.1	Scaffold321	32756	CC	GG	1940444660
SNP_P1_181672_33096	NW_004515827.1	Scaffold321	33096	AA	CC	1940444661
SNP_P1_181674_36125	NW_004515827.1	Scaffold321	36125	CC	AA	1940444662
SNP_P1_181675_36756	NW_004515827.1	Scaffold321	36756	AA	TT	1940444663
SNP_P1_181676_36829	NW_004515827.1	Scaffold321	36829	GG	TT	1940444664
SNP_P1_181677_37274	NW_004515827.1	Scaffold321	37274	CC	TT	1940444665
SNP_P1_181678_37605	NW_004515827.1	Scaffold321	37605	GG	AA	1940444666
SNP_P1_181679_38245	NW_004515827.1	Scaffold321	38245	TT	AA	1940444667
SNP_P1_181680_38274	NW_004515827.1	Scaffold321	38274	TT	AA	1940444668
SNP_P1_181681_38315	NW_004515827.1	Scaffold321	38315	CC	TT	1940444669
SNP_P1_181682_38316	NW_004515827.1	Scaffold321	38316	CC	AA	1940444670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181684_38400	NW_004515827.1	Scaffold321	38400	CC	GG	1940444672
SNP_P1_181685_38424	NW_004515827.1	Scaffold321	38424	GG	TT	1940444673
SNP_P1_181687_38539	NW_004515827.1	Scaffold321	38539	TT	CC	1940444674
SNP_P1_181688_38641	NW_004515827.1	Scaffold321	38641	GG	AA	1940444675
SNP_P1_181689_38706	NW_004515827.1	Scaffold321	38706	TT	AA	1940444676
SNP_P1_181690_38760	NW_004515827.1	Scaffold321	38760	TT	AA	1940444677
SNP_P1_181691_38778	NW_004515827.1	Scaffold321	38778	AA	TT	1940444678
SNP_P1_181692_38785	NW_004515827.1	Scaffold321	38785	GG	CC	1940444679
SNP_P1_181693_38788	NW_004515827.1	Scaffold321	38788	GG	AA	1940444680
SNP_P1_181694_38795	NW_004515827.1	Scaffold321	38795	AA	GG	1940444681
SNP_P1_181695_38852	NW_004515827.1	Scaffold321	38852	AA	TT	1940444682
SNP_P1_181696_38914	NW_004515827.1	Scaffold321	38914	GG	AA	1940444683
SNP_P1_181697_38983	NW_004515827.1	Scaffold321	38983	GG	AA	1940444684
SNP_P1_181698_39068	NW_004515827.1	Scaffold321	39068	TT	AA	1940444685
SNP_P1_181699_39085	NW_004515827.1	Scaffold321	39085	AA	GG	1940444686
SNP_P1_181700_39109	NW_004515827.1	Scaffold321	39109	CC	AA	1940444687
SNP_P1_181701_39144	NW_004515827.1	Scaffold321	39144	GG	AA	1940444688
SNP_P1_181702_39267	NW_004515827.1	Scaffold321	39267	AA	GG	1940444689
SNP_P1_181703_39268	NW_004515827.1	Scaffold321	39268	GG	CC	1940444690
SNP_P1_181704_39290	NW_004515827.1	Scaffold321	39290	AA	CC	1940444691
SNP_P1_181705_39328	NW_004515827.1	Scaffold321	39328	GG	AA	1940444692
SNP_P1_181706_39340	NW_004515827.1	Scaffold321	39340	TT	CC	1940444693
SNP_P1_181707_39372	NW_004515827.1	Scaffold321	39372	AA	GG	1940444694
SNP_P1_181708_39379	NW_004515827.1	Scaffold321	39379	CC	GG	1940444695
SNP_P1_181709_39383	NW_004515827.1	Scaffold321	39383	AA	GG	1940444696
SNP_P1_181710_42932	NW_004515827.1	Scaffold321	42932	CC	AA	1940444697
SNP_P1_181711_42971	NW_004515827.1	Scaffold321	42971	CC	TT	1940444698
SNP_P1_181712_42991	NW_004515827.1	Scaffold321	42991	GG	CC	1940444699
SNP_P1_181713_43928	NW_004515827.1	Scaffold321	43928	GG	TT	1940444700
SNP_P1_181714_43929	NW_004515827.1	Scaffold321	43929	AA	GG	1940444701
SNP_P1_181715_43941	NW_004515827.1	Scaffold321	43941	CC	AA	1940444702
SNP_P1_181716_43956	NW_004515827.1	Scaffold321	43956	GG	TT	1940444703
SNP_P1_181717_44016	NW_004515827.1	Scaffold321	44016	TT	CC	1940444704
SNP_P1_181718_44038	NW_004515827.1	Scaffold321	44038	CC	AA	1940444705
SNP_P1_181719_44041	NW_004515827.1	Scaffold321	44041	CC	AA	1940444706
SNP_P1_181720_44051	NW_004515827.1	Scaffold321	44051	CC	GG	1940444707
SNP_P1_181721_44310	NW_004515827.1	Scaffold321	44310	TT	AA	1940444708
SNP_P1_181722_44346	NW_004515827.1	Scaffold321	44346	AA	GG	1940444709
SNP_P1_181723_44357	NW_004515827.1	Scaffold321	44357	AA	TT	1940444710
SNP_P1_181724_44390	NW_004515827.1	Scaffold321	44390	TT	GG	1940444711
SNP_P1_181725_45514	NW_004515827.1	Scaffold321	45514	TT	CC	1940444712

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181727_51576	NW_004515827.1	Scaffold321	51576	AA	CC	1940444714
SNP_P1_181728_54141	NW_004515827.1	Scaffold321	54141	CC	TT	1940444715
SNP_P1_181729_58435	NW_004515827.1	Scaffold321	58435	CC	AA	1940444716
SNP_P1_181730_58441	NW_004515827.1	Scaffold321	58441	TT	AA	1940444717
SNP_P1_181731_58444	NW_004515827.1	Scaffold321	58444	CC	TT	1940444718
SNP_P1_181732_58465	NW_004515827.1	Scaffold321	58465	GG	AA	1940444719
SNP_P1_181733_58470	NW_004515827.1	Scaffold321	58470	GG	TT	1940444720
SNP_P1_181734_58491	NW_004515827.1	Scaffold321	58491	AA	GG	1940444721
SNP_P1_181735_58735	NW_004515827.1	Scaffold321	58735	TT	AA	1940444722
SNP_P1_181736_58737	NW_004515827.1	Scaffold321	58737	AA	GG	1940444723
SNP_P1_181737_58738	NW_004515827.1	Scaffold321	58738	AA	TT	1940444724
SNP_P1_181738_58855	NW_004515827.1	Scaffold321	58855	CC	TT	1940444725
SNP_P1_181739_58865	NW_004515827.1	Scaffold321	58865	CC	TT	1940444726
SNP_P1_181740_58888	NW_004515827.1	Scaffold321	58888	GG	AA	1940444727
SNP_P1_181741_58914	NW_004515827.1	Scaffold321	58914	CC	GG	1940444728
SNP_P1_181742_59623	NW_004515827.1	Scaffold321	59623	GG	AA	1940444729
SNP_P1_181744_66718	NW_004515827.1	Scaffold321	66718	AA	GG	1940444730
SNP_P1_181745_66730	NW_004515827.1	Scaffold321	66730	AA	GG	1940444731
SNP_P1_181746_66741	NW_004515827.1	Scaffold321	66741	TT	CC	1940444732
SNP_P1_181747_67643	NW_004515827.1	Scaffold321	67643	AA	GG	1940444733
SNP_P1_181748_67685	NW_004515827.1	Scaffold321	67685	AA	GG	1940444734
SNP_P1_181749_67715	NW_004515827.1	Scaffold321	67715	AA	GG	1940444735
SNP_P1_181750_67721	NW_004515827.1	Scaffold321	67721	AA	GG	1940444736
SNP_P1_181751_67736	NW_004515827.1	Scaffold321	67736	TT	AA	1940444737
SNP_P1_181752_67758	NW_004515827.1	Scaffold321	67758	AA	CC	1940444738
SNP_P1_181753_67849	NW_004515827.1	Scaffold321	67849	CC	TT	1940444739
SNP_P1_181754_67854	NW_004515827.1	Scaffold321	67854	AA	GG	1940444740
SNP_P1_181755_67869	NW_004515827.1	Scaffold321	67869	CC	TT	1940444741
SNP_P1_181756_67884	NW_004515827.1	Scaffold321	67884	CC	TT	1940444742
SNP_P1_181757_67974	NW_004515827.1	Scaffold321	67974	AA	CC	1940444743
SNP_P1_181758_72235	NW_004515827.1	Scaffold321	72235	GG	AA	1940444744
SNP_P1_181759_73063	NW_004515827.1	Scaffold321	73063	CC	AA	1940444745
SNP_P1_181761_81060	NW_004515827.1	Scaffold321	81060	AA	CC	1940444747
SNP_P1_181762_81153	NW_004515827.1	Scaffold321	81153	TT	CC	1940444748
SNP_P1_181763_81376	NW_004515827.1	Scaffold321	81376	AA	GG	1940444749
SNP_P1_181764_83156	NW_004515827.1	Scaffold321	83156	AA	TT	1940444750
SNP_P1_181765_83158	NW_004515827.1	Scaffold321	83158	AA	TT	1940444751
SNP_P1_181766_83170	NW_004515827.1	Scaffold321	83170	TT	AA	1940444752
SNP_P1_181767_83209	NW_004515827.1	Scaffold321	83209	AA	TT	1940444753
SNP_P1_181768_83237	NW_004515827.1	Scaffold321	83237	AA	TT	1940444754
SNP_P1_181769_83306	NW_004515827.1	Scaffold321	83306	AA	GG	1940444755

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181771_83361	NW_004515827.1	Scaffold321	83361	CC	GG	1940444757
SNP_P1_181772_83362	NW_004515827.1	Scaffold321	83362	AA	CC	1940444758
SNP_P1_181773_83499	NW_004515827.1	Scaffold321	83499	GG	AA	1940444759
SNP_P1_181774_83866	NW_004515827.1	Scaffold321	83866	AA	CC	1940444760
SNP_P1_181775_2482	NW_004515828.1	Scaffold322	2482	TT	GG	1940444761
SNP_P1_181777_4212	NW_004515828.1	Scaffold322	4212	AA	GG	1940444762
SNP_P1_181778_13807	NW_004515828.1	Scaffold322	13807	AA	TT	1940444763
SNP_P1_181779_13812	NW_004515828.1	Scaffold322	13812	AA	TT	1940444764
SNP_P1_181780_13813	NW_004515828.1	Scaffold322	13813	TT	AA	1940444765
SNP_P1_181781_13817	NW_004515828.1	Scaffold322	13817	TT	GG	1940444766
SNP_P1_181782_13869	NW_004515828.1	Scaffold322	13869	CC	TT	1940444767
SNP_P1_181783_26580	NW_004515828.1	Scaffold322	26580	CC	GG	1940444768
SNP_P1_181784_26972	NW_004515828.1	Scaffold322	26972	TT	AA	1940444769
SNP_P1_181785_27294	NW_004515828.1	Scaffold322	27294	TT	CC	1940444770
SNP_P1_181786_27950	NW_004515828.1	Scaffold322	27950	TT	GG	1940444771
SNP_P1_181787_30533	NW_004515828.1	Scaffold322	30533	TT	AA	1940444772
SNP_P1_181788_30545	NW_004515828.1	Scaffold322	30545	CC	AA	1940444773
SNP_P1_181789_30550	NW_004515828.1	Scaffold322	30550	GG	TT	1940444774
SNP_P1_181790_30551	NW_004515828.1	Scaffold322	30551	GG	AA	1940444775
SNP_P1_181791_30553	NW_004515828.1	Scaffold322	30553	GG	TT	1940444776
SNP_P1_181792_30555	NW_004515828.1	Scaffold322	30555	GG	CC	1940444777
SNP_P1_181793_30591	NW_004515828.1	Scaffold322	30591	TT	AA	1940444778
SNP_P1_181794_31481	NW_004515828.1	Scaffold322	31481	GG	AA	1940444779
SNP_P1_181795_31483	NW_004515828.1	Scaffold322	31483	CC	GG	1940444780
SNP_P1_181797_31499	NW_004515828.1	Scaffold322	31499	AA	GG	1940444781
SNP_P1_181799_37742	NW_004515828.1	Scaffold322	37742	CC	GG	1940444782
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SNP_P1_181801_37823	NW_004515828.1	Scaffold322	37823	TT	AA	1940444784
SNP_P1_181802_38044	NW_004515828.1	Scaffold322	38044	GG	AA	1940444785
SNP_P1_181803_38058	NW_004515828.1	Scaffold322	38058	TT	CC	1940444786
SNP_P1_181804_38085	NW_004515828.1	Scaffold322	38085	TT	CC	1940444787
SNP_P1_181805_38104	NW_004515828.1	Scaffold322	38104	GG	TT	1940444788
SNP_P1_181806_38108	NW_004515828.1	Scaffold322	38108	GG	AA	1940444789
SNP_P1_181807_39292	NW_004515828.1	Scaffold322	39292	AA	CC	1940444790
SNP_P1_181808_53732	NW_004515828.1	Scaffold322	53732	AA	GG	1940444791
SNP_P1_181809_53743	NW_004515828.1	Scaffold322	53743	AA	GG	1940444792
SNP_P1_181810_54079	NW_004515828.1	Scaffold322	54079	CC	GG	1940444793
SNP_P1_181811_54097	NW_004515828.1	Scaffold322	54097	GG	CC	1940444794
SNP_P1_181812_55475	NW_004515828.1	Scaffold322	55475	GG	AA	1940444795
SNP_P1_181813_55479	NW_004515828.1	Scaffold322	55479	GG	TT	1940444796
SNP_P1_181815_55752	NW_004515828.1	Scaffold322	55752	AA	GG	1940444797

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181817_75672	NW_004515828.1	Scaffold322	75672	AA	CC	1940444799
SNP_P1_181819_81251	NW_004515828.1	Scaffold322	81251	GG	AA	1940444800
SNP_P1_181820_85538	NW_004515828.1	Scaffold322	85538	GG	AA	1940444801
SNP_P1_181821_85541	NW_004515828.1	Scaffold322	85541	AA	CC	1940444802
SNP_P1_181822_86908	NW_004515828.1	Scaffold322	86908	TT	CC	1940444803
SNP_P1_181823_87115	NW_004515828.1	Scaffold322	87115	TT	CC	1940444804
SNP_P1_181824_87159	NW_004515828.1	Scaffold322	87159	GG	AA	1940444805
SNP_P1_181825_89046	NW_004515828.1	Scaffold322	89046	TT	CC	1940444806
SNP_P1_181826_89175	NW_004515828.1	Scaffold322	89175	AA	GG	1940444807
SNP_P1_181827_89196	NW_004515828.1	Scaffold322	89196	GG	TT	1940444808
SNP_P1_181828_89209	NW_004515828.1	Scaffold322	89209	AA	TT	1940444809
SNP_P1_181829_89248	NW_004515828.1	Scaffold322	89248	CC	TT	1940444810
SNP_P1_181830_90105	NW_004515828.1	Scaffold322	90105	TT	GG	1940444811
SNP_P1_181831_99548	NW_004515828.1	Scaffold322	99548	AA	GG	1940444812
SNP_P1_181832_120244	NW_004515828.1	Scaffold322	120244	AA	GG	1940444813
SNP_P1_181833_120252	NW_004515828.1	Scaffold322	120252	TT	GG	1940444814
SNP_P1_181835_126514	NW_004515828.1	Scaffold322	126514	AA	TT	1940444815
SNP_P1_181836_126526	NW_004515828.1	Scaffold322	126526	GG	CC	1940444816
SNP_P1_181837_126544	NW_004515828.1	Scaffold322	126544	CC	TT	1940444817
SNP_P1_181838_148160	NW_004515828.1	Scaffold322	148160	TT	CC	1940444818
SNP_P1_181839_151531	NW_004515828.1	Scaffold322	151531	CC	AA	1940444819
SNP_P1_181840_151541	NW_004515828.1	Scaffold322	151541	AA	CC	1940444820
SNP_P1_181841_151547	NW_004515828.1	Scaffold322	151547	TT	GG	1940444821
SNP_P1_181842_151580	NW_004515828.1	Scaffold322	151580	AA	GG	1940444822
SNP_P1_181843_151634	NW_004515828.1	Scaffold322	151634	GG	AA	1940444823
SNP_P1_181844_151881	NW_004515828.1	Scaffold322	151881	GG	AA	1940444824
SNP_P1_181845_151889	NW_004515828.1	Scaffold322	151889	CC	GG	1940444825
SNP_P1_181846_151905	NW_004515828.1	Scaffold322	151905	TT	CC	1940444826
SNP_P1_181847_151957	NW_004515828.1	Scaffold322	151957	GG	CC	1940444827
SNP_P1_181848_152024	NW_004515828.1	Scaffold322	152024	CC	AA	1940444828
SNP_P1_181849_152036	NW_004515828.1	Scaffold322	152036	CC	GG	1940444829
SNP_P1_181850_152104	NW_004515828.1	Scaffold322	152104	TT	CC	1940444830
SNP_P1_181851_152133	NW_004515828.1	Scaffold322	152133	AA	CC	1940444831
SNP_P1_181852_152162	NW_004515828.1	Scaffold322	152162	GG	CC	1940444832
SNP_P1_181853_152215	NW_004515828.1	Scaffold322	152215	AA	TT	1940444833
SNP_P1_181854_152222	NW_004515828.1	Scaffold322	152222	AA	GG	1940444834
SNP_P1_181855_162281	NW_004515828.1	Scaffold322	162281	GG	AA	1940444835
SNP_P1_181856_162284	NW_004515828.1	Scaffold322	162284	GG	TT	1940444836
SNP_P1_181857_162585	NW_004515828.1	Scaffold322	162585	GG	TT	1940444837
SNP_P1_181858_162643	NW_004515828.1	Scaffold322	162643	AA	TT	1940444838
SNP_P1_181859_168595	NW_004515828.1	Scaffold322	168595	TT	AA	1940444839

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_181862_168639	NW_004515828.1	Scaffold322	168639	GG	AA	1940444842
SNP_P1_181863_168678	NW_004515828.1	Scaffold322	168678	CC	TT	1940444843
SNP_P1_181864_168751	NW_004515828.1	Scaffold322	168751	CC	AA	1940444844
SNP_P1_181865_168781	NW_004515828.1	Scaffold322	168781	GG	AA	1940444845
SNP_P1_181866_168786	NW_004515828.1	Scaffold322	168786	TT	CC	1940444846
SNP_P1_181867_168879	NW_004515828.1	Scaffold322	168879	GG	AA	1940444847
SNP_P1_181868_168889	NW_004515828.1	Scaffold322	168889	GG	AA	1940444848
SNP_P1_181869_168919	NW_004515828.1	Scaffold322	168919	AA	TT	1940444849
SNP_P1_181870_169003	NW_004515828.1	Scaffold322	169003	GG	CC	1940444850
SNP_P1_181871_169006	NW_004515828.1	Scaffold322	169006	TT	CC	1940444851
SNP_P1_181872_169019	NW_004515828.1	Scaffold322	169019	TT	AA	1940444852
SNP_P1_181873_169059	NW_004515828.1	Scaffold322	169059	AA	TT	1940444853
SNP_P1_181874_169072	NW_004515828.1	Scaffold322	169072	TT	CC	1940444854
SNP_P1_181875_169105	NW_004515828.1	Scaffold322	169105	TT	AA	1940444855
SNP_P1_181876_169113	NW_004515828.1	Scaffold322	169113	GG	CC	1940444856
SNP_P1_181877_169116	NW_004515828.1	Scaffold322	169116	CC	GG	1940444857
SNP_P1_181878_169360	NW_004515828.1	Scaffold322	169360	AA	TT	1940444858
SNP_P1_181879_169394	NW_004515828.1	Scaffold322	169394	TT	CC	1940444859
SNP_P1_181880_169414	NW_004515828.1	Scaffold322	169414	AA	CC	1940444860
SNP_P1_181881_169475	NW_004515828.1	Scaffold322	169475	GG	AA	1940444861
SNP_P1_181882_169551	NW_004515828.1	Scaffold322	169551	GG	TT	1940444862
SNP_P1_181883_169555	NW_004515828.1	Scaffold322	169555	GG	TT	1940444863
SNP_P1_181884_169777	NW_004515828.1	Scaffold322	169777	CC	AA	1940444864
SNP_P1_181885_170041	NW_004515828.1	Scaffold322	170041	TT	CC	1940444865
SNP_P1_181886_170324	NW_004515828.1	Scaffold322	170324	TT	GG	1940444866
SNP_P1_181887_170397	NW_004515828.1	Scaffold322	170397	CC	GG	1940444867
SNP_P1_181888_170441	NW_004515828.1	Scaffold322	170441	CC	GG	1940444868
SNP_P1_181889_170476	NW_004515828.1	Scaffold322	170476	TT	CC	1940444869
SNP_P1_181890_174430	NW_004515828.1	Scaffold322	174430	TT	CC	1940444870
SNP_P1_181891_174441	NW_004515828.1	Scaffold322	174441	TT	AA	1940444871
SNP_P1_181892_174447	NW_004515828.1	Scaffold322	174447	AA	GG	1940444872
SNP_P1_181893_174517	NW_004515828.1	Scaffold322	174517	GG	CC	1940444873
SNP_P1_181894_174825	NW_004515828.1	Scaffold322	174825	TT	CC	1940444874
SNP_P1_181895_174832	NW_004515828.1	Scaffold322	174832	GG	AA	1940444875
SNP_P1_181896_179134	NW_004515828.1	Scaffold322	179134	CC	GG	1940444876
SNP_P1_181897_150	NW_004515829.1	Scaffold323	150	CC	TT	1940444877
SNP_P1_181898_2071	NW_004515829.1	Scaffold323	2071	CC	AA	1940444878
SNP_P1_181899_2080	NW_004515829.1	Scaffold323	2080	CC	GG	1940444879
SNP_P1_181900_2196	NW_004515829.1	Scaffold323	2196	TT	CC	1940444880
SNP_P1_181901_2207	NW_004515829.1	Scaffold323	2207	TT	GG	1940444881

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_181902_2243	NW_004515829.1	Scaffold323	2243	AA	CC	1940444883
SNP_P1_181903_2258	NW_004515829.1	Scaffold323	2258	TT	CC	1940444884
SNP_P1_181904_2311	NW_004515829.1	Scaffold323	2311	TT	AA	1940444885
SNP_P1_181905_2329	NW_004515829.1	Scaffold323	2329	TT	AA	1940444886
SNP_P1_181906_2374	NW_004515829.1	Scaffold323	2374	TT	AA	1940444887
SNP_P1_181907_2559	NW_004515829.1	Scaffold323	2559	TT	CC	1940444888
SNP_P1_181908_2590	NW_004515829.1	Scaffold323	2590	AA	GG	1940444889
SNP_P1_181909_2992	NW_004515829.1	Scaffold323	2992	AA	CC	1940444890
SNP_P1_181910_3124	NW_004515829.1	Scaffold323	3124	AA	TT	1940444891
SNP_P1_181911_7933	NW_004515829.1	Scaffold323	7933	TT	CC	1940444892
SNP_P1_181912_7941	NW_004515829.1	Scaffold323	7941	TT	AA	1940444893
SNP_P1_181913_10579	NW_004515829.1	Scaffold323	10579	TT	GG	1940444894
SNP_P1_181914_11838	NW_004515829.1	Scaffold323	11838	GG	AA	1940444895
SNP_P1_181915_13641	NW_004515829.1	Scaffold323	13641	CC	TT	1940444896
SNP_P1_181916_13848	NW_004515829.1	Scaffold323	13848	AA	GG	1940444897
SNP_P1_181917_14163	NW_004515829.1	Scaffold323	14163	CC	TT	1940444898
SNP_P1_181918_17510	NW_004515829.1	Scaffold323	17510	CC	TT	1940444899
SNP_P1_181919_18231	NW_004515829.1	Scaffold323	18231	GG	CC	1940444900
SNP_P1_181920_18248	NW_004515829.1	Scaffold323	18248	CC	AA	1940444901
SNP_P1_181921_18284	NW_004515829.1	Scaffold323	18284	CC	TT	1940444902
SNP_P1_181922_18288	NW_004515829.1	Scaffold323	18288	GG	TT	1940444903
SNP_P1_181923_20365	NW_004515829.1	Scaffold323	20365	CC	TT	1940444904
SNP_P1_181924_20382	NW_004515829.1	Scaffold323	20382	AA	TT	1940444905
SNP_P1_181925_20402	NW_004515829.1	Scaffold323	20402	CC	TT	1940444906
SNP_P1_181926_20408	NW_004515829.1	Scaffold323	20408	TT	GG	1940444907
SNP_P1_181927_21412	NW_004515829.1	Scaffold323	21412	TT	AA	1940444908
SNP_P1_181928_21654	NW_004515829.1	Scaffold323	21654	GG	AA	1940444909
SNP_P1_181929_22684	NW_004515829.1	Scaffold323	22684	CC	AA	1940444910
SNP_P1_181930_29592	NW_004515829.1	Scaffold323	29592	GG	TT	1940444911
SNP_P1_181931_32736	NW_004515829.1	Scaffold323	32736	GG	CC	1940444912
SNP_P1_181932_32903	NW_004515829.1	Scaffold323	32903	CC	TT	1940444913
SNP_P1_181933_34477	NW_004515829.1	Scaffold323	34477	GG	AA	1940444914
SNP_P1_181934_35976	NW_004515829.1	Scaffold323	35976	AA	TT	1940444915
SNP_P1_181935_45620	NW_004515829.1	Scaffold323	45620	GG	CC	1940444916
SNP_P1_181936_45630	NW_004515829.1	Scaffold323	45630	TT	GG	1940444917
SNP_P1_181937_45695	NW_004515829.1	Scaffold323	45695	GG	TT	1940444918
SNP_P1_181938_45696	NW_004515829.1	Scaffold323	45696	GG	TT	1940444919
SNP_P1_181939_45913	NW_004515829.1	Scaffold323	45913	GG	TT	1940444920
SNP_P1_181940_46070	NW_004515829.1	Scaffold323	46070	TT	GG	1940444921
SNP_P1_181941_46327	NW_004515829.1	Scaffold323	46327	AA	GG	1940444922
SNP_P1_181942_47299	NW_004515829.1	Scaffold323	47299	CC	TT	1940444923
SNP_P1_181943_47439	NW_004515829.1	Scaffold323	47439	AA	CC	1940444924

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_181944_53966	NW_004515829.1	Scaffold323	53966	TT	GG	1940444925
SNP_P1_181945_53994	NW_004515829.1	Scaffold323	53994	AA	GG	1940444926
SNP_P1_181946_54004	NW_004515829.1	Scaffold323	54004	CC	TT	1940444927
SNP_P1_181947_54006	NW_004515829.1	Scaffold323	54006	AA	GG	1940444928
SNP_P1_181949_57432	NW_004515829.1	Scaffold323	57432	AA	TT	1940444929
SNP_P1_181950_57794	NW_004515829.1	Scaffold323	57794	AA	TT	1940444930
SNP_P1_181951_58075	NW_004515829.1	Scaffold323	58075	TT	GG	1940444931
SNP_P1_181952_58187	NW_004515829.1	Scaffold323	58187	AA	TT	1940444932
SNP_P1_181953_59301	NW_004515829.1	Scaffold323	59301	TT	AA	1940444933
SNP_P1_181954_59372	NW_004515829.1	Scaffold323	59372	TT	CC	1940444934
SNP_P1_181955_62578	NW_004515829.1	Scaffold323	62578	TT	AA	1940444935
SNP_P1_181956_64330	NW_004515829.1	Scaffold323	64330	GG	CC	1940444936
SNP_P1_181957_64349	NW_004515829.1	Scaffold323	64349	TT	AA	1940444937
SNP_P1_181958_64433	NW_004515829.1	Scaffold323	64433	TT	AA	1940444938
SNP_P1_181959_64447	NW_004515829.1	Scaffold323	64447	AA	CC	1940444939
SNP_P1_181960_3799	NW_004515830.1	Scaffold324	3799	AA	GG	1940444940
SNP_P1_181961_3840	NW_004515830.1	Scaffold324	3840	GG	AA	1940444941
SNP_P1_181962_3843	NW_004515830.1	Scaffold324	3843	AA	GG	1940444942
SNP_P1_181963_3895	NW_004515830.1	Scaffold324	3895	GG	AA	1940444943
SNP_P1_181964_3906	NW_004515830.1	Scaffold324	3906	TT	CC	1940444944
SNP_P1_181965_6319	NW_004515830.1	Scaffold324	6319	AA	CC	1940444945
SNP_P1_181966_10722	NW_004515830.1	Scaffold324	10722	TT	GG	1940444946
SNP_P1_181967_17603	NW_004515830.1	Scaffold324	17603	TT	CC	1940444947
SNP_P1_181968_19694	NW_004515830.1	Scaffold324	19694	AA	CC	1940444948
SNP_P1_181969_19748	NW_004515830.1	Scaffold324	19748	TT	AA	1940444949
SNP_P1_181970_19754	NW_004515830.1	Scaffold324	19754	AA	GG	1940444950
SNP_P1_181971_19961	NW_004515830.1	Scaffold324	19961	AA	CC	1940444951
SNP_P1_181972_20051	NW_004515830.1	Scaffold324	20051	CC	TT	1940444952
SNP_P1_181973_21890	NW_004515830.1	Scaffold324	21890	AA	GG	1940444953
SNP_P1_181974_23308	NW_004515830.1	Scaffold324	23308	TT	AA	1940444954
SNP_P1_181975_23743	NW_004515830.1	Scaffold324	23743	AA	TT	1940444955
SNP_P1_181976_23778	NW_004515830.1	Scaffold324	23778	TT	CC	1940444956
SNP_P1_181977_24149	NW_004515830.1	Scaffold324	24149	TT	AA	1940444957
SNP_P1_181978_24189	NW_004515830.1	Scaffold324	24189	AA	TT	1940444958
SNP_P1_181979_24194	NW_004515830.1	Scaffold324	24194	TT	GG	1940444959
SNP_P1_181980_24331	NW_004515830.1	Scaffold324	24331	TT	AA	1940444960
SNP_P1_181981_24335	NW_004515830.1	Scaffold324	24335	AA	GG	1940444961
SNP_P1_181982_24341	NW_004515830.1	Scaffold324	24341	TT	CC	1940444962
SNP_P1_181983_24357	NW_004515830.1	Scaffold324	24357	AA	CC	1940444963
SNP_P1_181984_24380	NW_004515830.1	Scaffold324	24380	CC	AA	1940444964
SNP_P1_181985_24430	NW_004515830.1	Scaffold324	24430	TT	AA	1940444965
SNP_P1_181986_26296	NW_004515830.1	Scaffold324	26296	GG	AA	1940444966

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_181987_26871	NW_004515830.1	Scaffold324	26871	TT	AA	1940444967
SNP_P1_181988_26931	NW_004515830.1	Scaffold324	26931	TT	CC	1940444968
SNP_P1_181989_27306	NW_004515830.1	Scaffold324	27306	TT	CC	1940444969
SNP_P1_181990_27345	NW_004515830.1	Scaffold324	27345	AA	CC	1940444970
SNP_P1_181991_27597	NW_004515830.1	Scaffold324	27597	GG	TT	1940444971
SNP_P1_181992_27716	NW_004515830.1	Scaffold324	27716	TT	CC	1940444972
SNP_P1_181993_27746	NW_004515830.1	Scaffold324	27746	GG	AA	1940444973
SNP_P1_181994_27769	NW_004515830.1	Scaffold324	27769	CC	TT	1940444974
SNP_P1_181995_27966	NW_004515830.1	Scaffold324	27966	GG	AA	1940444975
SNP_P1_181996_28054	NW_004515830.1	Scaffold324	28054	TT	CC	1940444976
SNP_P1_181997_28127	NW_004515830.1	Scaffold324	28127	GG	AA	1940444977
SNP_P1_181998_34003	NW_004515830.1	Scaffold324	34003	CC	TT	1940444978
SNP_P1_181999_34007	NW_004515830.1	Scaffold324	34007	GG	CC	1940444979
SNP_P1_182000_34010	NW_004515830.1	Scaffold324	34010	TT	AA	1940444980
SNP_P1_182001_34029	NW_004515830.1	Scaffold324	34029	GG	AA	1940444981
SNP_P1_182002_34259	NW_004515830.1	Scaffold324	34259	TT	AA	1940444982
SNP_P1_182003_34290	NW_004515830.1	Scaffold324	34290	CC	TT	1940444983
SNP_P1_182004_34349	NW_004515830.1	Scaffold324	34349	TT	CC	1940444984
SNP_P1_182005_34350	NW_004515830.1	Scaffold324	34350	TT	CC	1940444985
SNP_P1_182006_45372	NW_004515830.1	Scaffold324	45372	AA	GG	1940444986
SNP_P1_182007_45589	NW_004515830.1	Scaffold324	45589	AA	GG	1940444987
SNP_P1_182008_45599	NW_004515830.1	Scaffold324	45599	TT	GG	1940444988
SNP_P1_182009_51290	NW_004515830.1	Scaffold324	51290	GG	AA	1940444989
SNP_P1_182010_53171	NW_004515830.1	Scaffold324	53171	AA	GG	1940444990
SNP_P1_182011_53186	NW_004515830.1	Scaffold324	53186	TT	CC	1940444991
SNP_P1_182012_55052	NW_004515830.1	Scaffold324	55052	AA	GG	1940444992
SNP_P1_182013_55333	NW_004515830.1	Scaffold324	55333	TT	CC	1940444993
SNP_P1_182014_58453	NW_004515830.1	Scaffold324	58453	TT	CC	1940444994
SNP_P1_182015_58462	NW_004515830.1	Scaffold324	58462	GG	AA	1940444995
SNP_P1_182016_58589	NW_004515830.1	Scaffold324	58589	GG	AA	1940444996
SNP_P1_182017_58689	NW_004515830.1	Scaffold324	58689	GG	CC	1940444997
SNP_P1_182018_59469	NW_004515830.1	Scaffold324	59469	GG	TT	1940444998
SNP_P1_182019_59484	NW_004515830.1	Scaffold324	59484	AA	GG	1940444999
SNP_P1_182020_59605	NW_004515830.1	Scaffold324	59605	CC	TT	1940445000
SNP_P1_182022_59700	NW_004515830.1	Scaffold324	59700	CC	TT	1940445001
SNP_P1_182024_69163	NW_004515830.1	Scaffold324	69163	TT	AA	1940445002
SNP_P1_182025_77931	NW_004515830.1	Scaffold324	77931	AA	GG	1940445003
SNP_P1_182026_81184	NW_004515830.1	Scaffold324	81184	CC	TT	1940445004
SNP_P1_182027_85922	NW_004515830.1	Scaffold324	85922	AA	CC	1940445005
SNP_P1_182028_85957	NW_004515830.1	Scaffold324	85957	GG	AA	1940445006
SNP_P1_182029_85958	NW_004515830.1	Scaffold324	85958	CC	TT	1940445007
SNP_P1_182030_85988	NW_004515830.1	Scaffold324	85988	CC	AA	1940445008

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_182031_86008	NW_004515830.1	Scaffold324	86008	AA	GG	1940445009
SNP_P1_182032_86041	NW_004515830.1	Scaffold324	86041	GG	AA	1940445010
SNP_P1_182034_95904	NW_004515830.1	Scaffold324	95904	AA	GG	1940445011
SNP_P1_182035_95905	NW_004515830.1	Scaffold324	95905	GG	TT	1940445012
SNP_P1_182036_95908	NW_004515830.1	Scaffold324	95908	AA	TT	1940445013
SNP_P1_182037_95958	NW_004515830.1	Scaffold324	95958	CC	AA	1940445014
SNP_P1_182038_96374	NW_004515830.1	Scaffold324	96374	GG	AA	1940445015
SNP_P1_182039_97229	NW_004515830.1	Scaffold324	97229	AA	TT	1940445016
SNP_P1_182040_97305	NW_004515830.1	Scaffold324	97305	AA	GG	1940445017
SNP_P1_182041_102739	NW_004515830.1	Scaffold324	102739	GG	AA	1940445018
SNP_P1_182042_102754	NW_004515830.1	Scaffold324	102754	TT	CC	1940445019
SNP_P1_182043_105851	NW_004515830.1	Scaffold324	105851	TT	GG	1940445020
SNP_P1_182044_108179	NW_004515830.1	Scaffold324	108179	TT	AA	1940445021
SNP_P1_182045_123673	NW_004515830.1	Scaffold324	123673	GG	TT	1940445022
SNP_P1_182046_123674	NW_004515830.1	Scaffold324	123674	GG	TT	1940445023
SNP_P1_182047_124286	NW_004515830.1	Scaffold324	124286	GG	TT	1940445025
SNP_P1_182048_126394	NW_004515830.1	Scaffold324	126394	TT	CC	1940445026
SNP_P1_182049_126401	NW_004515830.1	Scaffold324	126401	CC	TT	1940445027
SNP_P1_182050_134028	NW_004515830.1	Scaffold324	134028	CC	AA	1940445028
SNP_P1_182051_134063	NW_004515830.1	Scaffold324	134063	TT	AA	1940445029
SNP_P1_182052_137944	NW_004515830.1	Scaffold324	137944	CC	AA	1940445030
SNP_P1_182053_137948	NW_004515830.1	Scaffold324	137948	TT	GG	1940445031
SNP_P1_182054_140135	NW_004515830.1	Scaffold324	140135	TT	CC	1940445032
SNP_P1_182055_144803	NW_004515830.1	Scaffold324	144803	AA	GG	1940445033
SNP_P1_182056_144810	NW_004515830.1	Scaffold324	144810	AA	TT	1940445034
SNP_P1_182058_148914	NW_004515830.1	Scaffold324	148914	TT	AA	1940445035
SNP_P1_182059_160892	NW_004515830.1	Scaffold324	160892	TT	AA	1940445036
SNP_P1_182060_164918	NW_004515830.1	Scaffold324	164918	TT	CC	1940445037
SNP_P1_182061_165663	NW_004515830.1	Scaffold324	165663	AA	GG	1940445038
SNP_P1_182062_165726	NW_004515830.1	Scaffold324	165726	GG	AA	1940445039
SNP_P1_182063_165927	NW_004515830.1	Scaffold324	165927	TT	CC	1940445040
SNP_P1_182064_180435	NW_004515830.1	Scaffold324	180435	AA	CC	1940445041
SNP_P1_182065_184872	NW_004515830.1	Scaffold324	184872	AA	TT	1940445042
SNP_P1_182066_185373	NW_004515830.1	Scaffold324	185373	TT	GG	1940445043
SNP_P1_182067_186005	NW_004515830.1	Scaffold324	186005	AA	TT	1940445044
SNP_P1_182068_186011	NW_004515830.1	Scaffold324	186011	AA	TT	1940445045
SNP_P1_182069_186187	NW_004515830.1	Scaffold324	186187	AA	GG	1940445046
SNP_P1_182070_186207	NW_004515830.1	Scaffold324	186207	CC	TT	1940445047
SNP_P1_182071_186967	NW_004515830.1	Scaffold324	186967	AA	GG	1940445048
SNP_P1_182072_189839	NW_004515830.1	Scaffold324	189839	CC	AA	1940445049
SNP_P1_182073_191789	NW_004515830.1	Scaffold324	191789	CC	TT	1940445050
SNP_P1_182074_219771	NW_004515830.1	Scaffold324	219771	GG	TT	1940445051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_182075_219805	NW_004515830.1	Scaffold324	219805	GG	AA	1940445052
SNP_P1_182076_220635	NW_004515830.1	Scaffold324	220635	GG	TT	1940445053
SNP_P1_182077_224009	NW_004515830.1	Scaffold324	224009	CC	TT	1940445054
SNP_P1_182079_224332	NW_004515830.1	Scaffold324	224332	AA	TT	1940445055
SNP_P1_182080_224465	NW_004515830.1	Scaffold324	224465	TT	CC	1940445056
SNP_P1_182081_224501	NW_004515830.1	Scaffold324	224501	AA	GG	1940445057
SNP_P1_182082_224802	NW_004515830.1	Scaffold324	224802	CC	AA	1940445058
SNP_P1_182083_224811	NW_004515830.1	Scaffold324	224811	TT	GG	1940445059
SNP_P1_182084_224859	NW_004515830.1	Scaffold324	224859	CC	AA	1940445060
SNP_P1_182085_226613	NW_004515830.1	Scaffold324	226613	AA	GG	1940445061
SNP_P1_182086_228525	NW_004515830.1	Scaffold324	228525	CC	GG	1940445062
SNP_P1_182087_231592	NW_004515830.1	Scaffold324	231592	AA	TT	1940445063
SNP_P1_182089_243052	NW_004515830.1	Scaffold324	243052	AA	GG	1940445064
SNP_P1_182090_243196	NW_004515830.1	Scaffold324	243196	GG	AA	1940445065
SNP_P1_182091_243271	NW_004515830.1	Scaffold324	243271	AA	GG	1940445066
SNP_P1_182092_244074	NW_004515830.1	Scaffold324	244074	GG	AA	1940445067
SNP_P1_182093_244481	NW_004515830.1	Scaffold324	244481	CC	GG	1940445068
SNP_P1_182094_244654	NW_004515830.1	Scaffold324	244654	CC	TT	1940445069
SNP_P1_182095_244752	NW_004515830.1	Scaffold324	244752	CC	TT	1940445070
SNP_P1_182096_259897	NW_004515830.1	Scaffold324	259897	AA	GG	1940445071
SNP_P1_182097_269518	NW_004515830.1	Scaffold324	269518	GG	AA	1940445072
SNP_P1_182098_269946	NW_004515830.1	Scaffold324	269946	CC	TT	1940445073
SNP_P1_182099_277179	NW_004515830.1	Scaffold324	277179	AA	CC	1940445074
SNP_P1_182100_277570	NW_004515830.1	Scaffold324	277570	AA	GG	1940445075
SNP_P1_182101_277601	NW_004515830.1	Scaffold324	277601	GG	CC	1940445076
SNP_P1_182102_279729	NW_004515830.1	Scaffold324	279729	TT	AA	1940445077
SNP_P1_182103_280030	NW_004515830.1	Scaffold324	280030	CC	AA	1940445078
SNP_P1_182104_280058	NW_004515830.1	Scaffold324	280058	AA	GG	1940445079
SNP_P1_182105_285861	NW_004515830.1	Scaffold324	285861	AA	TT	1940445080
SNP_P1_182106_296241	NW_004515830.1	Scaffold324	296241	TT	CC	1940445081
SNP_P1_182107_296243	NW_004515830.1	Scaffold324	296243	AA	GG	1940445082
SNP_P1_182108_299259	NW_004515830.1	Scaffold324	299259	AA	GG	1940445083
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SNP_P1_182110_308309	NW_004515830.1	Scaffold324	308309	CC	AA	1940445085
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SNP_P1_182114_308610	NW_004515830.1	Scaffold324	308610	GG	AA	1940445089
SNP_P1_182115_310287	NW_004515830.1	Scaffold324	310287	CC	AA	1940445090
SNP_P1_182116_312013	NW_004515830.1	Scaffold324	312013	CC	AA	1940445091
SNP_P1_182117_312206	NW_004515830.1	Scaffold324	312206	AA	GG	1940445092
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182120_312463	NW_004515830.1	Scaffold324	312463	CC	GG	1940445095
SNP_P1_182121_312530	NW_004515830.1	Scaffold324	312530	AA	GG	1940445096
SNP_P1_182122_312538	NW_004515830.1	Scaffold324	312538	TT	CC	1940445097
SNP_P1_182123_312645	NW_004515830.1	Scaffold324	312645	TT	CC	1940445098
SNP_P1_182124_328661	NW_004515830.1	Scaffold324	328661	CC	AA	1940445099
SNP_P1_182125_328666	NW_004515830.1	Scaffold324	328666	GG	AA	1940445100
SNP_P1_182126_328884	NW_004515830.1	Scaffold324	328884	TT	CC	1940445101
SNP_P1_182127_330343	NW_004515830.1	Scaffold324	330343	AA	CC	1940445102
SNP_P1_182128_330346	NW_004515830.1	Scaffold324	330346	CC	TT	1940445103
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SNP_P1_182130_330370	NW_004515830.1	Scaffold324	330370	TT	CC	1940445105
SNP_P1_182131_330371	NW_004515830.1	Scaffold324	330371	CC	TT	1940445106
SNP_P1_182132_341978	NW_004515830.1	Scaffold324	341978	GG	AA	1940445107
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SNP_P1_182144_357307	NW_004515830.1	Scaffold324	357307	GG	AA	1940445119
SNP_P1_182145_357317	NW_004515830.1	Scaffold324	357317	AA	CC	1940445120
SNP_P1_182146_357321	NW_004515830.1	Scaffold324	357321	GG	AA	1940445121
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SNP_P1_182157_371466	NW_004515830.1	Scaffold324	371466	AA	GG	1940445132
SNP_P1_182158_371784	NW_004515830.1	Scaffold324	371784	TT	CC	1940445133
SNP_P1_182159_371843	NW_004515830.1	Scaffold324	371843	TT	CC	1940445134
SNP_P1_182160_372687	NW_004515830.1	Scaffold324	372687	TT	CC	1940445135

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182162_374851	NW_004515830.1	Scaffold324	374851	AA	GG	1940445137
SNP_P1_182163_374967	NW_004515830.1	Scaffold324	374967	CC	TT	1940445138
SNP_P1_182164_375283	NW_004515830.1	Scaffold324	375283	AA	GG	1940445139
SNP_P1_182165_375315	NW_004515830.1	Scaffold324	375315	AA	TT	1940445140
SNP_P1_182166_375392	NW_004515830.1	Scaffold324	375392	AA	CC	1940445141
SNP_P1_182167_377252	NW_004515830.1	Scaffold324	377252	AA	TT	1940445142
SNP_P1_182168_377276	NW_004515830.1	Scaffold324	377276	GG	AA	1940445143
SNP_P1_182169_377682	NW_004515830.1	Scaffold324	377682	TT	CC	1940445144
SNP_P1_182170_378275	NW_004515830.1	Scaffold324	378275	CC	AA	1940445145
SNP_P1_182171_378287	NW_004515830.1	Scaffold324	378287	AA	GG	1940445146
SNP_P1_182172_383416	NW_004515830.1	Scaffold324	383416	AA	GG	1940445147
SNP_P1_182173_383421	NW_004515830.1	Scaffold324	383421	TT	CC	1940445148
SNP_P1_182174_383440	NW_004515830.1	Scaffold324	383440	CC	TT	1940445149
SNP_P1_182175_383453	NW_004515830.1	Scaffold324	383453	CC	TT	1940445150
SNP_P1_182176_383511	NW_004515830.1	Scaffold324	383511	GG	TT	1940445151
SNP_P1_182177_383514	NW_004515830.1	Scaffold324	383514	AA	GG	1940445152
SNP_P1_182178_383523	NW_004515830.1	Scaffold324	383523	TT	GG	1940445153
SNP_P1_182179_383528	NW_004515830.1	Scaffold324	383528	CC	GG	1940445154
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SNP_P1_182185_385857	NW_004515830.1	Scaffold324	385857	CC	TT	1940445160
SNP_P1_182186_385867	NW_004515830.1	Scaffold324	385867	AA	CC	1940445161
SNP_P1_182187_385877	NW_004515830.1	Scaffold324	385877	TT	CC	1940445162
SNP_P1_182188_385943	NW_004515830.1	Scaffold324	385943	TT	AA	1940445163
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SNP_P1_182193_386954	NW_004515830.1	Scaffold324	386954	TT	CC	1940445168
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SNP_P1_182202_387733	NW_004515830.1	Scaffold324	387733	GG	AA	1940445178

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182205_388186	NW_004515830.1	Scaffold324	388186	CC	TT	1940445181
SNP_P1_182206_388195	NW_004515830.1	Scaffold324	388195	GG	CC	1940445182
SNP_P1_182207_390354	NW_004515830.1	Scaffold324	390354	CC	TT	1940445183
SNP_P1_182208_393437	NW_004515830.1	Scaffold324	393437	TT	CC	1940445184
SNP_P1_182209_393472	NW_004515830.1	Scaffold324	393472	GG	AA	1940445185
SNP_P1_182210_393771	NW_004515830.1	Scaffold324	393771	AA	TT	1940445186
SNP_P1_182211_406160	NW_004515830.1	Scaffold324	406160	AA	GG	1940445187
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SNP_P1_182213_406178	NW_004515830.1	Scaffold324	406178	AA	GG	1940445189
SNP_P1_182214_409123	NW_004515830.1	Scaffold324	409123	GG	AA	1940445190
SNP_P1_182215_411675	NW_004515830.1	Scaffold324	411675	GG	AA	1940445191
SNP_P1_182216_414109	NW_004515830.1	Scaffold324	414109	AA	CC	1940445192
SNP_P1_182217_414567	NW_004515830.1	Scaffold324	414567	GG	TT	1940445193
SNP_P1_182218_417383	NW_004515830.1	Scaffold324	417383	CC	AA	1940445194
SNP_P1_182219_418936	NW_004515830.1	Scaffold324	418936	AA	GG	1940445195
SNP_P1_182220_419058	NW_004515830.1	Scaffold324	419058	GG	TT	1940445196
SNP_P1_182221_419635	NW_004515830.1	Scaffold324	419635	TT	CC	1940445197
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SNP_P1_182233_450915	NW_004515830.1	Scaffold324	450915	GG	TT	1940445209
SNP_P1_182234_450937	NW_004515830.1	Scaffold324	450937	AA	TT	1940445210
SNP_P1_182235_450945	NW_004515830.1	Scaffold324	450945	AA	GG	1940445211
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SNP_P1_182240_451544	NW_004515830.1	Scaffold324	451544	AA	GG	1940445216
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SNP_P1_182243_457127	NW_004515830.1	Scaffold324	457127	TT	CC	1940445219
SNP_P1_182244_457252	NW_004515830.1	Scaffold324	457252	GG	CC	1940445220

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182247_1633	NW_004515831.1	Scaffold325	1633	AA	CC	1940445223
SNP_P1_182248_1657	NW_004515831.1	Scaffold325	1657	AA	CC	1940445224
SNP_P1_182249_1664	NW_004515831.1	Scaffold325	1664	CC	TT	1940445225
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SNP_P1_182256_5395	NW_004515831.1	Scaffold325	5395	TT	AA	1940445232
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SNP_P1_182259_5520	NW_004515831.1	Scaffold325	5520	CC	TT	1940445235
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SNP_P1_182275_2397	NW_004515835.1	Scaffold330	2397	GG	CC	1940445251
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SNP_P1_182284_8016	NW_004515835.1	Scaffold330	8016	AA	GG	1940445260
SNP_P1_182285_8040	NW_004515835.1	Scaffold330	8040	TT	CC	1940445261
SNP_P1_182286_8053	NW_004515835.1	Scaffold330	8053	AA	CC	1940445262

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182291_9963	NW_004515835.1	Scaffold330	9963	GG	CC	1940445267
SNP_P1_182293_10224	NW_004515835.1	Scaffold330	10224	CC	GG	1940445268
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SNP_P1_182297_10268	NW_004515835.1	Scaffold330	10268	CC	TT	1940445272
SNP_P1_182298_10294	NW_004515835.1	Scaffold330	10294	CC	TT	1940445273
SNP_P1_182299_10296	NW_004515835.1	Scaffold330	10296	GG	CC	1940445274
SNP_P1_182301_10603	NW_004515835.1	Scaffold330	10603	AA	GG	1940445275
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SNP_P1_182305_10831	NW_004515835.1	Scaffold330	10831	GG	AA	1940445278
SNP_P1_182306_10847	NW_004515835.1	Scaffold330	10847	TT	CC	1940445279
SNP_P1_182307_11114	NW_004515835.1	Scaffold330	11114	CC	TT	1940445281
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SNP_P1_182310_15622	NW_004515835.1	Scaffold330	15622	AA	GG	1940445284
SNP_P1_182311_238	NW_004515836.1	Scaffold331	238	GG	AA	1940445285
SNP_P1_182312_479	NW_004515836.1	Scaffold331	479	AA	TT	1940445286
SNP_P1_182313_726	NW_004515836.1	Scaffold331	726	AA	TT	1940445287
SNP_P1_182314_760	NW_004515836.1	Scaffold331	760	AA	CC	1940445288
SNP_P1_182315_780	NW_004515836.1	Scaffold331	780	AA	GG	1940445289
SNP_P1_182316_834	NW_004515836.1	Scaffold331	834	AA	TT	1940445290
SNP_P1_182317_1237	NW_004515836.1	Scaffold331	1237	GG	AA	1940445291
SNP_P1_182318_1637	NW_004515836.1	Scaffold331	1637	AA	CC	1940445292
SNP_P1_182319_2011	NW_004515836.1	Scaffold331	2011	AA	GG	1940445293
SNP_P1_182320_2038	NW_004515836.1	Scaffold331	2038	TT	CC	1940445294
SNP_P1_182321_2039	NW_004515836.1	Scaffold331	2039	AA	GG	1940445295
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SNP_P1_182323_2076	NW_004515836.1	Scaffold331	2076	AA	TT	1940445297
SNP_P1_182324_5222	NW_004515836.1	Scaffold331	5222	TT	AA	1940445298
SNP_P1_182325_5899	NW_004515836.1	Scaffold331	5899	GG	AA	1940445299
SNP_P1_182326_17256	NW_004515836.1	Scaffold331	17256	AA	GG	1940445300
SNP_P1_182327_20474	NW_004515836.1	Scaffold331	20474	AA	CC	1940445301
SNP_P1_182328_20595	NW_004515836.1	Scaffold331	20595	GG	AA	1940445302
SNP_P1_182329_20955	NW_004515836.1	Scaffold331	20955	TT	CC	1940445303
SNP_P1_182330_21027	NW_004515836.1	Scaffold331	21027	TT	GG	1940445304
SNP_P1_182331_21037	NW_004515836.1	Scaffold331	21037	AA	GG	1940445305

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182334_27111	NW_004515836.1	Scaffold331	27111	TT	CC	1940445307
SNP_P1_182335_33731	NW_004515836.1	Scaffold331	33731	AA	GG	1940445308
SNP_P1_182336_34416	NW_004515836.1	Scaffold331	34416	AA	TT	1940445309
SNP_P1_182337_38462	NW_004515836.1	Scaffold331	38462	GG	CC	1940445310
SNP_P1_182338_42285	NW_004515836.1	Scaffold331	42285	TT	CC	1940445311
SNP_P1_182339_42286	NW_004515836.1	Scaffold331	42286	GG	CC	1940445312
SNP_P1_182340_43690	NW_004515836.1	Scaffold331	43690	TT	AA	1940445313
SNP_P1_182341_43695	NW_004515836.1	Scaffold331	43695	CC	TT	1940445314
SNP_P1_182342_43779	NW_004515836.1	Scaffold331	43779	AA	GG	1940445315
SNP_P1_182343_43957	NW_004515836.1	Scaffold331	43957	TT	CC	1940445316
SNP_P1_182344_43959	NW_004515836.1	Scaffold331	43959	GG	AA	1940445317
SNP_P1_182345_43968	NW_004515836.1	Scaffold331	43968	GG	AA	1940445318
SNP_P1_182346_44027	NW_004515836.1	Scaffold331	44027	TT	GG	1940445319
SNP_P1_182347_44057	NW_004515836.1	Scaffold331	44057	AA	TT	1940445320
SNP_P1_182348_50228	NW_004515836.1	Scaffold331	50228	TT	CC	1940445322
SNP_P1_182349_50956	NW_004515836.1	Scaffold331	50956	CC	GG	1940445323
SNP_P1_182350_50994	NW_004515836.1	Scaffold331	50994	CC	TT	1940445324
SNP_P1_182351_57499	NW_004515836.1	Scaffold331	57499	CC	TT	1940445325
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SNP_P1_182357_66770	NW_004515836.1	Scaffold331	66770	GG	AA	1940445331
SNP_P1_182358_68071	NW_004515836.1	Scaffold331	68071	CC	GG	1940445332
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SNP_P1_182360_90726	NW_004515836.1	Scaffold331	90726	TT	CC	1940445334
SNP_P1_182361_90736	NW_004515836.1	Scaffold331	90736	AA	TT	1940445335
SNP_P1_182362_104651	NW_004515836.1	Scaffold331	104651	TT	CC	1940445336
SNP_P1_182363_111663	NW_004515836.1	Scaffold331	111663	GG	AA	1940445337
SNP_P1_182364_111674	NW_004515836.1	Scaffold331	111674	TT	CC	1940445338
SNP_P1_182365_111731	NW_004515836.1	Scaffold331	111731	TT	CC	1940445339
SNP_P1_182366_112124	NW_004515836.1	Scaffold331	112124	GG	AA	1940445340
SNP_P1_182368_115991	NW_004515836.1	Scaffold331	115991	AA	CC	1940445341
SNP_P1_182369_129444	NW_004515836.1	Scaffold331	129444	AA	GG	1940445342
SNP_P1_182370_129494	NW_004515836.1	Scaffold331	129494	CC	TT	1940445343
SNP_P1_182371_129758	NW_004515836.1	Scaffold331	129758	CC	TT	1940445344
SNP_P1_182372_129805	NW_004515836.1	Scaffold331	129805	CC	GG	1940445345
SNP_P1_182374_134066	NW_004515836.1	Scaffold331	134066	TT	GG	1940445346
SNP_P1_182375_134067	NW_004515836.1	Scaffold331	134067	AA	CC	1940445347
SNP_P1_182377_155360	NW_004515836.1	Scaffold331	155360	CC	TT	1940445348

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182379_162390	NW_004515836.1	Scaffold331	162390	TT	AA	1940445350
SNP_P1_182380_163574	NW_004515836.1	Scaffold331	163574	TT	GG	1940445351
SNP_P1_182381_165551	NW_004515836.1	Scaffold331	165551	CC	TT	1940445352
SNP_P1_182384_209150	NW_004515836.1	Scaffold331	209150	AA	GG	1940445353
SNP_P1_182385_219666	NW_004515836.1	Scaffold331	219666	AA	GG	1940445354
SNP_P1_182386_220264	NW_004515836.1	Scaffold331	220264	GG	AA	1940445355
SNP_P1_182387_221459	NW_004515836.1	Scaffold331	221459	GG	TT	1940445356
SNP_P1_182388_228632	NW_004515836.1	Scaffold331	228632	TT	AA	1940445357
SNP_P1_182389_228647	NW_004515836.1	Scaffold331	228647	CC	TT	1940445358
SNP_P1_182390_229187	NW_004515836.1	Scaffold331	229187	GG	TT	1940445359
SNP_P1_182391_243161	NW_004515836.1	Scaffold331	243161	CC	AA	1940445360
SNP_P1_182392_243169	NW_004515836.1	Scaffold331	243169	GG	AA	1940445361
SNP_P1_182394_263207	NW_004515836.1	Scaffold331	263207	CC	TT	1940445362
SNP_P1_182395_285603	NW_004515836.1	Scaffold331	285603	GG	AA	1940445363
SNP_P1_182396_48648	NW_004515837.1	Scaffold332	48648	TT	CC	1940445364
SNP_P1_182397_48665	NW_004515837.1	Scaffold332	48665	TT	CC	1940445365
SNP_P1_182398_48731	NW_004515837.1	Scaffold332	48731	AA	GG	1940445366
SNP_P1_182399_48874	NW_004515837.1	Scaffold332	48874	TT	CC	1940445367
SNP_P1_182400_48919	NW_004515837.1	Scaffold332	48919	AA	GG	1940445368
SNP_P1_182401_51816	NW_004515837.1	Scaffold332	51816	AA	GG	1940445369
SNP_P1_182402_51982	NW_004515837.1	Scaffold332	51982	TT	GG	1940445370
SNP_P1_182403_51990	NW_004515837.1	Scaffold332	51990	TT	GG	1940445371
SNP_P1_182404_52697	NW_004515837.1	Scaffold332	52697	TT	GG	1940445372
SNP_P1_182405_52757	NW_004515837.1	Scaffold332	52757	AA	CC	1940445373
SNP_P1_182406_52765	NW_004515837.1	Scaffold332	52765	AA	GG	1940445374
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SNP_P1_182408_52836	NW_004515837.1	Scaffold332	52836	TT	CC	1940445376
SNP_P1_182409_52893	NW_004515837.1	Scaffold332	52893	TT	CC	1940445377
SNP_P1_182410_53007	NW_004515837.1	Scaffold332	53007	TT	CC	1940445378
SNP_P1_182411_53012	NW_004515837.1	Scaffold332	53012	TT	CC	1940445379
SNP_P1_182412_53021	NW_004515837.1	Scaffold332	53021	AA	GG	1940445380
SNP_P1_182413_53113	NW_004515837.1	Scaffold332	53113	TT	GG	1940445381
SNP_P1_182414_53229	NW_004515837.1	Scaffold332	53229	AA	GG	1940445382
SNP_P1_182416_67850	NW_004515837.1	Scaffold332	67850	GG	TT	1940445383
SNP_P1_182417_97782	NW_004515837.1	Scaffold332	97782	CC	AA	1940445384
SNP_P1_182418_154150	NW_004515837.1	Scaffold332	154150	CC	TT	1940445385
SNP_P1_182419_156089	NW_004515837.1	Scaffold332	156089	TT	CC	1940445386
SNP_P1_182420_183545	NW_004515837.1	Scaffold332	183545	TT	CC	1940445387
SNP_P1_182421_183609	NW_004515837.1	Scaffold332	183609	AA	GG	1940445388
SNP_P1_182422_203756	NW_004515837.1	Scaffold332	203756	CC	TT	1940445389
SNP_P1_182423_214366	NW_004515837.1	Scaffold332	214366	CC	AA	1940445390

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182426_220684	NW_004515837.1	Scaffold332	220684	GG	AA	1940445393
SNP_P1_182427_221443	NW_004515837.1	Scaffold332	221443	GG	AA	1940445394
SNP_P1_182428_221453	NW_004515837.1	Scaffold332	221453	GG	AA	1940445395
SNP_P1_182430_5048	NW_004515838.1	Scaffold333	5048	GG	AA	1940445396
SNP_P1_182432_9271	NW_004515838.1	Scaffold333	9271	GG	AA	1940445397
SNP_P1_182433_12701	NW_004515838.1	Scaffold333	12701	GG	AA	1940445398
SNP_P1_182434_12775	NW_004515838.1	Scaffold333	12775	AA	GG	1940445399
SNP_P1_182435_12847	NW_004515838.1	Scaffold333	12847	CC	TT	1940445400
SNP_P1_182436_14346	NW_004515838.1	Scaffold333	14346	AA	GG	1940445401
SNP_P1_182437_14759	NW_004515838.1	Scaffold333	14759	TT	CC	1940445402
SNP_P1_182438_16222	NW_004515838.1	Scaffold333	16222	GG	AA	1940445403
SNP_P1_182439_16806	NW_004515838.1	Scaffold333	16806	CC	TT	1940445404
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SNP_P1_182441_19612	NW_004515838.1	Scaffold333	19612	AA	CC	1940445406
SNP_P1_182442_19668	NW_004515838.1	Scaffold333	19668	TT	CC	1940445407
SNP_P1_182443_19883	NW_004515838.1	Scaffold333	19883	TT	AA	1940445408
SNP_P1_182444_19978	NW_004515838.1	Scaffold333	19978	AA	GG	1940445409
SNP_P1_182445_20034	NW_004515838.1	Scaffold333	20034	AA	CC	1940445410
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SNP_P1_182462_26682	NW_004515838.1	Scaffold333	26682	TT	GG	1940445426
SNP_P1_182463_28021	NW_004515838.1	Scaffold333	28021	GG	AA	1940445427
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SNP_P1_182467_28429	NW_004515838.1	Scaffold333	28429	TT	CC	1940445431
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182471_44562	NW_004515838.1	Scaffold333	44562	TT	AA	1940445435
SNP_P1_182472_44644	NW_004515838.1	Scaffold333	44644	CC	AA	1940445436
SNP_P1_182473_44800	NW_004515838.1	Scaffold333	44800	GG	AA	1940445437
SNP_P1_182474_44950	NW_004515838.1	Scaffold333	44950	TT	GG	1940445438
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SNP_P1_182480_52504	NW_004515838.1	Scaffold333	52504	AA	TT	1940445444
SNP_P1_182481_52831	NW_004515838.1	Scaffold333	52831	TT	CC	1940445445
SNP_P1_182482_53161	NW_004515838.1	Scaffold333	53161	AA	CC	1940445446
SNP_P1_182483_53243	NW_004515838.1	Scaffold333	53243	CC	GG	1940445447
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SNP_P1_182485_58590	NW_004515838.1	Scaffold333	58590	TT	GG	1940445449
SNP_P1_182486_64789	NW_004515838.1	Scaffold333	64789	AA	GG	1940445450
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SNP_P1_182495_75588	NW_004515838.1	Scaffold333	75588	AA	GG	1940445460
SNP_P1_182496_80123	NW_004515838.1	Scaffold333	80123	AA	TT	1940445461
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SNP_P1_182500_91702	NW_004515838.1	Scaffold333	91702	CC	GG	1940445464
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SNP_P1_182504_96325	NW_004515838.1	Scaffold333	96325	CC	TT	1940445467
SNP_P1_182505_100225	NW_004515838.1	Scaffold333	100225	CC	TT	1940445468
SNP_P1_182506_100716	NW_004515838.1	Scaffold333	100716	TT	CC	1940445469
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SNP_P1_182508_100786	NW_004515838.1	Scaffold333	100786	TT	CC	1940445471
SNP_P1_182509_100883	NW_004515838.1	Scaffold333	100883	TT	CC	1940445472
SNP_P1_182510_101094	NW_004515838.1	Scaffold333	101094	AA	GG	1940445473
SNP_P1_182511_101130	NW_004515838.1	Scaffold333	101130	TT	GG	1940445474
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182517_26592	NW_004515839.1	Scaffold334	26592	AA	GG	1940445479
SNP_P1_182518_28909	NW_004515839.1	Scaffold334	28909	AA	CC	1940445480
SNP_P1_182519_40530	NW_004515839.1	Scaffold334	40530	AA	TT	1940445481
SNP_P1_182520_40763	NW_004515839.1	Scaffold334	40763	AA	GG	1940445482
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SNP_P1_182522_40949	NW_004515839.1	Scaffold334	40949	GG	AA	1940445484
SNP_P1_182523_68792	NW_004515839.1	Scaffold334	68792	AA	CC	1940445485
SNP_P1_182524_69021	NW_004515839.1	Scaffold334	69021	TT	CC	1940445486
SNP_P1_182525_69027	NW_004515839.1	Scaffold334	69027	AA	GG	1940445487
SNP_P1_182526_69110	NW_004515839.1	Scaffold334	69110	TT	GG	1940445488
SNP_P1_182527_69151	NW_004515839.1	Scaffold334	69151	AA	CC	1940445489
SNP_P1_182528_69173	NW_004515839.1	Scaffold334	69173	AA	GG	1940445490
SNP_P1_182529_69175	NW_004515839.1	Scaffold334	69175	AA	GG	1940445491
SNP_P1_182530_73322	NW_004515839.1	Scaffold334	73322	TT	GG	1940445492
SNP_P1_182532_94559	NW_004515839.1	Scaffold334	94559	GG	TT	1940445493
SNP_P1_182533_94634	NW_004515839.1	Scaffold334	94634	CC	AA	1940445494
SNP_P1_182534_94678	NW_004515839.1	Scaffold334	94678	GG	AA	1940445495
SNP_P1_182535_105844	NW_004515839.1	Scaffold334	105844	CC	TT	1940445496
SNP_P1_182536_105849	NW_004515839.1	Scaffold334	105849	AA	TT	1940445497
SNP_P1_182537_105852	NW_004515839.1	Scaffold334	105852	CC	AA	1940445498
SNP_P1_182538_105882	NW_004515839.1	Scaffold334	105882	TT	CC	1940445499
SNP_P1_182539_105903	NW_004515839.1	Scaffold334	105903	TT	AA	1940445500
SNP_P1_182540_105913	NW_004515839.1	Scaffold334	105913	TT	CC	1940445501
SNP_P1_182541_105945	NW_004515839.1	Scaffold334	105945	TT	AA	1940445502
SNP_P1_182542_105951	NW_004515839.1	Scaffold334	105951	AA	CC	1940445503
SNP_P1_182543_105960	NW_004515839.1	Scaffold334	105960	TT	CC	1940445504
SNP_P1_182544_105966	NW_004515839.1	Scaffold334	105966	TT	AA	1940445505
SNP_P1_182545_105984	NW_004515839.1	Scaffold334	105984	AA	GG	1940445506
SNP_P1_182546_106002	NW_004515839.1	Scaffold334	106002	TT	AA	1940445507
SNP_P1_182547_106008	NW_004515839.1	Scaffold334	106008	TT	CC	1940445508
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SNP_P1_182549_106080	NW_004515839.1	Scaffold334	106080	AA	CC	1940445510
SNP_P1_182550_106214	NW_004515839.1	Scaffold334	106214	GG	TT	1940445511
SNP_P1_182551_106322	NW_004515839.1	Scaffold334	106322	TT	CC	1940445512
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SNP_P1_182553_108589	NW_004515839.1	Scaffold334	108589	TT	CC	1940445514
SNP_P1_182554_108596	NW_004515839.1	Scaffold334	108596	GG	TT	1940445515
SNP_P1_182555_108714	NW_004515839.1	Scaffold334	108714	AA	CC	1940445516
SNP_P1_182556_108721	NW_004515839.1	Scaffold334	108721	AA	GG	1940445517

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182558_108814	NW_004515839.1	Scaffold334	108814	AA	CC	1940445519
SNP_P1_182559_108868	NW_004515839.1	Scaffold334	108868	CC	TT	1940445520
SNP_P1_182560_108912	NW_004515839.1	Scaffold334	108912	CC	AA	1940445521
SNP_P1_182561_108939	NW_004515839.1	Scaffold334	108939	AA	TT	1940445522
SNP_P1_182562_109006	NW_004515839.1	Scaffold334	109006	GG	AA	1940445523
SNP_P1_182563_109017	NW_004515839.1	Scaffold334	109017	CC	TT	1940445524
SNP_P1_182564_109019	NW_004515839.1	Scaffold334	109019	TT	CC	1940445525
SNP_P1_182565_109020	NW_004515839.1	Scaffold334	109020	GG	AA	1940445526
SNP_P1_182566_109083	NW_004515839.1	Scaffold334	109083	TT	CC	1940445527
SNP_P1_182567_110607	NW_004515839.1	Scaffold334	110607	AA	CC	1940445528
SNP_P1_182568_110632	NW_004515839.1	Scaffold334	110632	CC	GG	1940445529
SNP_P1_182569_112484	NW_004515839.1	Scaffold334	112484	CC	TT	1940445530
SNP_P1_182570_112508	NW_004515839.1	Scaffold334	112508	GG	AA	1940445531
SNP_P1_182571_132971	NW_004515839.1	Scaffold334	132971	AA	TT	1940445532
SNP_P1_182572_147793	NW_004515839.1	Scaffold334	147793	CC	TT	1940445533
SNP_P1_182573_165993	NW_004515839.1	Scaffold334	165993	TT	GG	1940445534
SNP_P1_182574_166008	NW_004515839.1	Scaffold334	166008	GG	TT	1940445535
SNP_P1_182575_174506	NW_004515839.1	Scaffold334	174506	AA	GG	1940445536
SNP_P1_182576_174508	NW_004515839.1	Scaffold334	174508	AA	GG	1940445537
SNP_P1_182577_199570	NW_004515839.1	Scaffold334	199570	GG	AA	1940445538
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SNP_P1_182580_28747	NW_004515840.1	Scaffold335	28747	AA	GG	1940445540
SNP_P1_182581_28813	NW_004515840.1	Scaffold335	28813	TT	CC	1940445541
SNP_P1_182582_28818	NW_004515840.1	Scaffold335	28818	AA	GG	1940445542
SNP_P1_182583_28888	NW_004515840.1	Scaffold335	28888	TT	CC	1940445543
SNP_P1_182584_28901	NW_004515840.1	Scaffold335	28901	TT	GG	1940445544
SNP_P1_182585_28902	NW_004515840.1	Scaffold335	28902	AA	TT	1940445545
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SNP_P1_182587_32406	NW_004515840.1	Scaffold335	32406	GG	AA	1940445547
SNP_P1_182588_32428	NW_004515840.1	Scaffold335	32428	GG	AA	1940445548
SNP_P1_182589_32452	NW_004515840.1	Scaffold335	32452	CC	AA	1940445549
SNP_P1_182590_37692	NW_004515840.1	Scaffold335	37692	AA	TT	1940445550
SNP_P1_182591_37694	NW_004515840.1	Scaffold335	37694	TT	CC	1940445551
SNP_P1_182594_81391	NW_004515840.1	Scaffold335	81391	AA	GG	1940445552
SNP_P1_182595_81401	NW_004515840.1	Scaffold335	81401	TT	CC	1940445553
SNP_P1_182597_91491	NW_004515840.1	Scaffold335	91491	GG	AA	1940445554
SNP_P1_182598_103336	NW_004515840.1	Scaffold335	103336	GG	TT	1940445555
SNP_P1_182599_133674	NW_004515840.1	Scaffold335	133674	AA	GG	1940445556
SNP_P1_182600_134598	NW_004515840.1	Scaffold335	134598	AA	TT	1940445557
SNP_P1_182601_134615	NW_004515840.1	Scaffold335	134615	CC	TT	1940445558
SNP_P1_182602_134637	NW_004515840.1	Scaffold335	134637	TT	CC	1940445559

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182604_134653	NW_004515840.1	Scaffold335	134653	TT	CC	1940445561
SNP_P1_182605_134745	NW_004515840.1	Scaffold335	134745	TT	CC	1940445562
SNP_P1_182606_134918	NW_004515840.1	Scaffold335	134918	GG	AA	1940445563
SNP_P1_182607_134930	NW_004515840.1	Scaffold335	134930	TT	GG	1940445564
SNP_P1_182608_134982	NW_004515840.1	Scaffold335	134982	GG	TT	1940445565
SNP_P1_182609_135069	NW_004515840.1	Scaffold335	135069	CC	AA	1940445566
SNP_P1_182610_135137	NW_004515840.1	Scaffold335	135137	TT	CC	1940445567
SNP_P1_182611_137327	NW_004515840.1	Scaffold335	137327	GG	AA	1940445568
SNP_P1_182612_137396	NW_004515840.1	Scaffold335	137396	TT	GG	1940445569
SNP_P1_182613_137449	NW_004515840.1	Scaffold335	137449	AA	CC	1940445570
SNP_P1_182614_137465	NW_004515840.1	Scaffold335	137465	CC	GG	1940445571
SNP_P1_182615_137492	NW_004515840.1	Scaffold335	137492	AA	TT	1940445572
SNP_P1_182616_137528	NW_004515840.1	Scaffold335	137528	CC	TT	1940445573
SNP_P1_182617_137662	NW_004515840.1	Scaffold335	137662	TT	AA	1940445574
SNP_P1_182618_137670	NW_004515840.1	Scaffold335	137670	GG	AA	1940445575
SNP_P1_182619_137746	NW_004515840.1	Scaffold335	137746	AA	TT	1940445576
SNP_P1_182620_137800	NW_004515840.1	Scaffold335	137800	TT	GG	1940445577
SNP_P1_182621_137817	NW_004515840.1	Scaffold335	137817	TT	CC	1940445578
SNP_P1_182622_137833	NW_004515840.1	Scaffold335	137833	AA	GG	1940445579
SNP_P1_182623_137913	NW_004515840.1	Scaffold335	137913	GG	AA	1940445580
SNP_P1_182624_137920	NW_004515840.1	Scaffold335	137920	AA	GG	1940445581
SNP_P1_182625_137942	NW_004515840.1	Scaffold335	137942	TT	CC	1940445582
SNP_P1_182626_137975	NW_004515840.1	Scaffold335	137975	AA	GG	1940445583
SNP_P1_182627_138001	NW_004515840.1	Scaffold335	138001	AA	GG	1940445584
SNP_P1_182628_138007	NW_004515840.1	Scaffold335	138007	AA	CC	1940445585
SNP_P1_182629_139438	NW_004515840.1	Scaffold335	139438	TT	CC	1940445586
SNP_P1_182630_139441	NW_004515840.1	Scaffold335	139441	TT	GG	1940445587
SNP_P1_182631_139563	NW_004515840.1	Scaffold335	139563	GG	CC	1940445588
SNP_P1_182632_139581	NW_004515840.1	Scaffold335	139581	GG	CC	1940445589
SNP_P1_182633_139586	NW_004515840.1	Scaffold335	139586	GG	AA	1940445590
SNP_P1_182634_142150	NW_004515840.1	Scaffold335	142150	GG	TT	1940445591
SNP_P1_182635_142244	NW_004515840.1	Scaffold335	142244	GG	AA	1940445592
SNP_P1_182636_142249	NW_004515840.1	Scaffold335	142249	CC	TT	1940445593
SNP_P1_182637_142608	NW_004515840.1	Scaffold335	142608	AA	GG	1940445594
SNP_P1_182638_142625	NW_004515840.1	Scaffold335	142625	TT	CC	1940445595
SNP_P1_182639_157761	NW_004515840.1	Scaffold335	157761	AA	GG	1940445597
SNP_P1_182640_157771	NW_004515840.1	Scaffold335	157771	TT	CC	1940445598
SNP_P1_182641_157799	NW_004515840.1	Scaffold335	157799	AA	GG	1940445599
SNP_P1_182642_157814	NW_004515840.1	Scaffold335	157814	AA	GG	1940445600
SNP_P1_182643_157976	NW_004515840.1	Scaffold335	157976	TT	CC	1940445601
SNP_P1_182645_162116	NW_004515840.1	Scaffold335	162116	GG	AA	1940445602

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182647_174825	NW_004515840.1	Scaffold335	174825	GG	TT	1940445604
SNP_P1_182648_193847	NW_004515840.1	Scaffold335	193847	GG	AA	1940445605
SNP_P1_182649_193867	NW_004515840.1	Scaffold335	193867	CC	GG	1940445606
SNP_P1_182650_193894	NW_004515840.1	Scaffold335	193894	AA	CC	1940445607
SNP_P1_182651_195396	NW_004515840.1	Scaffold335	195396	AA	GG	1940445608
SNP_P1_182652_202770	NW_004515840.1	Scaffold335	202770	CC	TT	1940445609
SNP_P1_182653_202777	NW_004515840.1	Scaffold335	202777	AA	GG	1940445610
SNP_P1_182656_211420	NW_004515840.1	Scaffold335	211420	TT	CC	1940445611
SNP_P1_182657_211558	NW_004515840.1	Scaffold335	211558	CC	TT	1940445612
SNP_P1_182659_215192	NW_004515840.1	Scaffold335	215192	GG	AA	1940445613
SNP_P1_182660_215628	NW_004515840.1	Scaffold335	215628	AA	GG	1940445614
SNP_P1_182661_216296	NW_004515840.1	Scaffold335	216296	GG	AA	1940445615
SNP_P1_182662_218518	NW_004515840.1	Scaffold335	218518	TT	CC	1940445616
SNP_P1_182663_218765	NW_004515840.1	Scaffold335	218765	CC	GG	1940445617
SNP_P1_182664_231661	NW_004515840.1	Scaffold335	231661	CC	GG	1940445618
SNP_P1_182665_232556	NW_004515840.1	Scaffold335	232556	AA	GG	1940445619
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SNP_P1_182669_10189	NW_004515841.1	Scaffold336	10189	GG	AA	1940445622
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SNP_P1_182674_13685	NW_004515841.1	Scaffold336	13685	CC	TT	1940445627
SNP_P1_182675_13740	NW_004515841.1	Scaffold336	13740	AA	GG	1940445628
SNP_P1_182676_16313	NW_004515841.1	Scaffold336	16313	AA	GG	1940445629
SNP_P1_182677_16315	NW_004515841.1	Scaffold336	16315	AA	GG	1940445630
SNP_P1_182678_16321	NW_004515841.1	Scaffold336	16321	AA	GG	1940445631
SNP_P1_182679_20211	NW_004515841.1	Scaffold336	20211	AA	GG	1940445632
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SNP_P1_182683_40416	NW_004515841.1	Scaffold336	40416	CC	TT	1940445635
SNP_P1_182684_44084	NW_004515841.1	Scaffold336	44084	TT	CC	1940445636
SNP_P1_182685_55236	NW_004515841.1	Scaffold336	55236	CC	TT	1940445637
SNP_P1_182686_63147	NW_004515841.1	Scaffold336	63147	TT	AA	1940445638
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SNP_P1_182689_64062	NW_004515841.1	Scaffold336	64062	GG	CC	1940445641
SNP_P1_182690_64423	NW_004515841.1	Scaffold336	64423	TT	GG	1940445642
SNP_P1_182691_65307	NW_004515841.1	Scaffold336	65307	TT	CC	1940445643
SNP_P1_182692_65436	NW_004515841.1	Scaffold336	65436	TT	GG	1940445644

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182696_68830	NW_004515841.1	Scaffold336	68830	TT	AA	1940445647
SNP_P1_182697_68864	NW_004515841.1	Scaffold336	68864	GG	TT	1940445648
SNP_P1_182698_82611	NW_004515841.1	Scaffold336	82611	CC	TT	1940445649
SNP_P1_182699_82617	NW_004515841.1	Scaffold336	82617	TT	AA	1940445650
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SNP_P1_182702_99303	NW_004515841.1	Scaffold336	99303	GG	CC	1940445653
SNP_P1_182703_106120	NW_004515841.1	Scaffold336	106120	GG	AA	1940445654
SNP_P1_182704_110732	NW_004515841.1	Scaffold336	110732	TT	AA	1940445655
SNP_P1_182705_120869	NW_004515841.1	Scaffold336	120869	TT	GG	1940445656
SNP_P1_182707_151364	NW_004515841.1	Scaffold336	151364	GG	AA	1940445657
SNP_P1_182708_152942	NW_004515841.1	Scaffold336	152942	TT	CC	1940445658
SNP_P1_182709_169532	NW_004515841.1	Scaffold336	169532	TT	CC	1940445659
SNP_P1_182710_169881	NW_004515841.1	Scaffold336	169881	AA	GG	1940445660
SNP_P1_182711_169943	NW_004515841.1	Scaffold336	169943	TT	AA	1940445661
SNP_P1_182712_169959	NW_004515841.1	Scaffold336	169959	CC	AA	1940445662
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SNP_P1_182721_228978	NW_004515841.1	Scaffold336	228978	TT	AA	1940445670
SNP_P1_182722_229376	NW_004515841.1	Scaffold336	229376	AA	TT	1940445671
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SNP_P1_182725_263513	NW_004515841.1	Scaffold336	263513	CC	AA	1940445674
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SNP_P1_182728_329756	NW_004515841.1	Scaffold336	329756	TT	CC	1940445676
SNP_P1_182729_342274	NW_004515841.1	Scaffold336	342274	CC	AA	1940445677
SNP_P1_182730_342545	NW_004515841.1	Scaffold336	342545	TT	GG	1940445678
SNP_P1_182731_359355	NW_004515841.1	Scaffold336	359355	CC	AA	1940445679
SNP_P1_182732_360823	NW_004515841.1	Scaffold336	360823	TT	CC	1940445680
SNP_P1_182734_360932	NW_004515841.1	Scaffold336	360932	AA	CC	1940445681
SNP_P1_182735_360971	NW_004515841.1	Scaffold336	360971	AA	CC	1940445682
SNP_P1_182736_375241	NW_004515841.1	Scaffold336	375241	TT	GG	1940445683
SNP_P1_182737_380983	NW_004515841.1	Scaffold336	380983	GG	CC	1940445684
SNP_P1_182738_386576	NW_004515841.1	Scaffold336	386576	TT	AA	1940445685
SNP_P1_182739_386709	NW_004515841.1	Scaffold336	386709	GG	AA	1940445686

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182742_392714	NW_004515841.1	Scaffold336	392714	TT	GG	1940445689
SNP_P1_182743_392718	NW_004515841.1	Scaffold336	392718	AA	GG	1940445690
SNP_P1_182745_393622	NW_004515841.1	Scaffold336	393622	AA	CC	1940445691
SNP_P1_182746_398172	NW_004515841.1	Scaffold336	398172	GG	CC	1940445692
SNP_P1_182747_400089	NW_004515841.1	Scaffold336	400089	AA	GG	1940445693
SNP_P1_182748_400144	NW_004515841.1	Scaffold336	400144	TT	AA	1940445694
SNP_P1_182749_400293	NW_004515841.1	Scaffold336	400293	TT	AA	1940445695
SNP_P1_182750_400348	NW_004515841.1	Scaffold336	400348	GG	AA	1940445696
SNP_P1_182751_400536	NW_004515841.1	Scaffold336	400536	CC	AA	1940445697
SNP_P1_182752_402021	NW_004515841.1	Scaffold336	402021	AA	GG	1940445698
SNP_P1_182753_402024	NW_004515841.1	Scaffold336	402024	CC	TT	1940445699
SNP_P1_182754_402025	NW_004515841.1	Scaffold336	402025	GG	AA	1940445700
SNP_P1_182756_427333	NW_004515841.1	Scaffold336	427333	TT	AA	1940445701
SNP_P1_182757_427334	NW_004515841.1	Scaffold336	427334	CC	AA	1940445702
SNP_P1_182758_438903	NW_004515841.1	Scaffold336	438903	GG	AA	1940445703
SNP_P1_182759_438915	NW_004515841.1	Scaffold336	438915	AA	GG	1940445704
SNP_P1_182762_455682	NW_004515841.1	Scaffold336	455682	CC	AA	1940445705
SNP_P1_182763_469822	NW_004515841.1	Scaffold336	469822	GG	TT	1940445706
SNP_P1_182764_493345	NW_004515841.1	Scaffold336	493345	AA	GG	1940445707
SNP_P1_182765_493390	NW_004515841.1	Scaffold336	493390	TT	GG	1940445708
SNP_P1_182766_493404	NW_004515841.1	Scaffold336	493404	TT	CC	1940445709
SNP_P1_182767_493418	NW_004515841.1	Scaffold336	493418	CC	TT	1940445710
SNP_P1_182768_520759	NW_004515841.1	Scaffold336	520759	TT	CC	1940445711
SNP_P1_182769_529802	NW_004515841.1	Scaffold336	529802	TT	CC	1940445712
SNP_P1_182771_529924	NW_004515841.1	Scaffold336	529924	TT	AA	1940445713
SNP_P1_182772_530181	NW_004515841.1	Scaffold336	530181	TT	GG	1940445714
SNP_P1_182773_530276	NW_004515841.1	Scaffold336	530276	AA	GG	1940445715
SNP_P1_182774_537558	NW_004515841.1	Scaffold336	537558	AA	GG	1940445716
SNP_P1_182775_538373	NW_004515841.1	Scaffold336	538373	AA	GG	1940445717
SNP_P1_182776_538401	NW_004515841.1	Scaffold336	538401	TT	GG	1940445718
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SNP_P1_182779_538530	NW_004515841.1	Scaffold336	538530	GG	AA	1940445721
SNP_P1_182780_538542	NW_004515841.1	Scaffold336	538542	GG	AA	1940445722
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SNP_P1_182782_538741	NW_004515841.1	Scaffold336	538741	AA	GG	1940445724
SNP_P1_182783_538761	NW_004515841.1	Scaffold336	538761	GG	AA	1940445725
SNP_P1_182784_538780	NW_004515841.1	Scaffold336	538780	TT	CC	1940445726
SNP_P1_182785_538840	NW_004515841.1	Scaffold336	538840	GG	AA	1940445727
SNP_P1_182786_538854	NW_004515841.1	Scaffold336	538854	TT	GG	1940445728

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182789_539292	NW_004515841.1	Scaffold336	539292	TT	AA	1940445731
SNP_P1_182790_543002	NW_004515841.1	Scaffold336	543002	AA	CC	1940445732
SNP_P1_182792_546435	NW_004515841.1	Scaffold336	546435	TT	AA	1940445734
SNP_P1_182793_546758	NW_004515841.1	Scaffold336	546758	TT	CC	1940445735
SNP_P1_182794_546765	NW_004515841.1	Scaffold336	546765	AA	GG	1940445736
SNP_P1_182795_546788	NW_004515841.1	Scaffold336	546788	CC	TT	1940445737
SNP_P1_182796_546866	NW_004515841.1	Scaffold336	546866	TT	AA	1940445738
SNP_P1_182797_547950	NW_004515841.1	Scaffold336	547950	TT	CC	1940445739
SNP_P1_182798_552520	NW_004515841.1	Scaffold336	552520	CC	AA	1940445740
SNP_P1_182799_552594	NW_004515841.1	Scaffold336	552594	GG	AA	1940445741
SNP_P1_182800_565417	NW_004515841.1	Scaffold336	565417	AA	GG	1940445742
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SNP_P1_182802_565666	NW_004515841.1	Scaffold336	565666	AA	CC	1940445744
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SNP_P1_182804_565839	NW_004515841.1	Scaffold336	565839	CC	AA	1940445746
SNP_P1_182805_565854	NW_004515841.1	Scaffold336	565854	GG	AA	1940445747
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SNP_P1_182812_584021	NW_004515841.1	Scaffold336	584021	AA	GG	1940445754
SNP_P1_182813_590457	NW_004515841.1	Scaffold336	590457	AA	GG	1940445755
SNP_P1_182814_613695	NW_004515841.1	Scaffold336	613695	GG	AA	1940445756
SNP_P1_182815_613864	NW_004515841.1	Scaffold336	613864	CC	TT	1940445757
SNP_P1_182816_616959	NW_004515841.1	Scaffold336	616959	CC	TT	1940445758
SNP_P1_182817_617026	NW_004515841.1	Scaffold336	617026	AA	GG	1940445759
SNP_P1_182818_617041	NW_004515841.1	Scaffold336	617041	AA	CC	1940445760
SNP_P1_182819_617479	NW_004515841.1	Scaffold336	617479	CC	AA	1940445761
SNP_P1_182823_634151	NW_004515841.1	Scaffold336	634151	GG	AA	1940445762
SNP_P1_182824_634155	NW_004515841.1	Scaffold336	634155	AA	GG	1940445763
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SNP_P1_182826_634248	NW_004515841.1	Scaffold336	634248	TT	CC	1940445765
SNP_P1_182827_634266	NW_004515841.1	Scaffold336	634266	AA	GG	1940445766
SNP_P1_182828_634351	NW_004515841.1	Scaffold336	634351	CC	TT	1940445767
SNP_P1_182829_634377	NW_004515841.1	Scaffold336	634377	AA	GG	1940445768
SNP_P1_182830_645546	NW_004515841.1	Scaffold336	645546	TT	CC	1940445769
SNP_P1_182831_647262	NW_004515841.1	Scaffold336	647262	TT	CC	1940445770
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182834_647329	NW_004515841.1	Scaffold336	647329	TT	GG	1940445773
SNP_P1_182835_647335	NW_004515841.1	Scaffold336	647335	CC	TT	1940445774
SNP_P1_182836_647474	NW_004515841.1	Scaffold336	647474	TT	GG	1940445775
SNP_P1_182837_647489	NW_004515841.1	Scaffold336	647489	AA	GG	1940445776
SNP_P1_182838_675319	NW_004515841.1	Scaffold336	675319	CC	TT	1940445777
SNP_P1_182839_675716	NW_004515841.1	Scaffold336	675716	TT	CC	1940445778
SNP_P1_182840_676196	NW_004515841.1	Scaffold336	676196	AA	GG	1940445779
SNP_P1_182841_676262	NW_004515841.1	Scaffold336	676262	TT	CC	1940445780
SNP_P1_182842_676273	NW_004515841.1	Scaffold336	676273	AA	GG	1940445781
SNP_P1_182843_680179	NW_004515841.1	Scaffold336	680179	AA	CC	1940445782
SNP_P1_182844_683464	NW_004515841.1	Scaffold336	683464	AA	CC	1940445783
SNP_P1_182845_683477	NW_004515841.1	Scaffold336	683477	AA	GG	1940445784
SNP_P1_182846_683518	NW_004515841.1	Scaffold336	683518	TT	AA	1940445785
SNP_P1_182847_683522	NW_004515841.1	Scaffold336	683522	AA	GG	1940445786
SNP_P1_182848_683881	NW_004515841.1	Scaffold336	683881	TT	CC	1940445787
SNP_P1_182849_683917	NW_004515841.1	Scaffold336	683917	GG	AA	1940445788
SNP_P1_182850_683929	NW_004515841.1	Scaffold336	683929	TT	CC	1940445789
SNP_P1_182851_689624	NW_004515841.1	Scaffold336	689624	TT	CC	1940445790
SNP_P1_182852_709784	NW_004515841.1	Scaffold336	709784	AA	GG	1940445791
SNP_P1_182853_709844	NW_004515841.1	Scaffold336	709844	AA	GG	1940445792
SNP_P1_182854_709937	NW_004515841.1	Scaffold336	709937	TT	GG	1940445793
SNP_P1_182855_710048	NW_004515841.1	Scaffold336	710048	AA	GG	1940445794
SNP_P1_182856_710068	NW_004515841.1	Scaffold336	710068	GG	TT	1940445795
SNP_P1_182857_710249	NW_004515841.1	Scaffold336	710249	TT	CC	1940445796
SNP_P1_182858_710286	NW_004515841.1	Scaffold336	710286	AA	GG	1940445797
SNP_P1_182859_710314	NW_004515841.1	Scaffold336	710314	CC	TT	1940445798
SNP_P1_182861_710497	NW_004515841.1	Scaffold336	710497	CC	TT	1940445799
SNP_P1_182863_757522	NW_004515841.1	Scaffold336	757522	AA	GG	1940445800
SNP_P1_182864_757523	NW_004515841.1	Scaffold336	757523	TT	GG	1940445801
SNP_P1_182865_758051	NW_004515841.1	Scaffold336	758051	TT	CC	1940445802
SNP_P1_182866_758058	NW_004515841.1	Scaffold336	758058	AA	GG	1940445803
SNP_P1_182867_758059	NW_004515841.1	Scaffold336	758059	TT	CC	1940445804
SNP_P1_182868_758076	NW_004515841.1	Scaffold336	758076	AA	GG	1940445805
SNP_P1_182869_758220	NW_004515841.1	Scaffold336	758220	AA	TT	1940445806
SNP_P1_182870_763146	NW_004515841.1	Scaffold336	763146	TT	CC	1940445807
SNP_P1_182871_764483	NW_004515841.1	Scaffold336	764483	AA	CC	1940445808
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SNP_P1_182873_764957	NW_004515841.1	Scaffold336	764957	AA	TT	1940445810
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182879_784975	NW_004515841.1	Scaffold336	784975	CC	TT	1940445815
SNP_P1_182880_785050	NW_004515841.1	Scaffold336	785050	GG	AA	1940445816
SNP_P1_182881_786092	NW_004515841.1	Scaffold336	786092	CC	GG	1940445817
SNP_P1_182882_805406	NW_004515841.1	Scaffold336	805406	GG	AA	1940445818
SNP_P1_182883_805497	NW_004515841.1	Scaffold336	805497	CC	TT	1940445819
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SNP_P1_182887_805909	NW_004515841.1	Scaffold336	805909	AA	GG	1940445823
SNP_P1_182888_805921	NW_004515841.1	Scaffold336	805921	TT	CC	1940445824
SNP_P1_182889_805952	NW_004515841.1	Scaffold336	805952	TT	GG	1940445825
SNP_P1_182890_813810	NW_004515841.1	Scaffold336	813810	AA	TT	1940445826
SNP_P1_182892_850093	NW_004515841.1	Scaffold336	850093	CC	AA	1940445827
SNP_P1_182893_867384	NW_004515841.1	Scaffold336	867384	GG	TT	1940445828
SNP_P1_182894_867389	NW_004515841.1	Scaffold336	867389	TT	CC	1940445829
SNP_P1_182895_867398	NW_004515841.1	Scaffold336	867398	CC	AA	1940445830
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SNP_P1_182902_44772	NW_004515842.1	Scaffold338	44772	CC	TT	1940445837
SNP_P1_182903_44773	NW_004515842.1	Scaffold338	44773	GG	TT	1940445838
SNP_P1_182904_71170	NW_004515842.1	Scaffold338	71170	TT	CC	1940445839
SNP_P1_182905_71253	NW_004515842.1	Scaffold338	71253	AA	TT	1940445840
SNP_P1_182906_71497	NW_004515842.1	Scaffold338	71497	AA	GG	1940445841
SNP_P1_182907_71725	NW_004515842.1	Scaffold338	71725	GG	AA	1940445842
SNP_P1_182910_8337	NW_004515843.1	Scaffold340	8337	TT	AA	1940445843
SNP_P1_182911_9819	NW_004515843.1	Scaffold340	9819	CC	TT	1940445844
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SNP_P1_182913_12123	NW_004515843.1	Scaffold340	12123	AA	CC	1940445846
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SNP_P1_182915_12175	NW_004515843.1	Scaffold340	12175	CC	AA	1940445848
SNP_P1_182916_12394	NW_004515843.1	Scaffold340	12394	CC	AA	1940445849
SNP_P1_182917_12399	NW_004515843.1	Scaffold340	12399	TT	CC	1940445850
SNP_P1_182918_13301	NW_004515843.1	Scaffold340	13301	AA	CC	1940445851
SNP_P1_182919_20409	NW_004515843.1	Scaffold340	20409	AA	GG	1940445852
SNP_P1_182920_21553	NW_004515843.1	Scaffold340	21553	AA	GG	1940445853
SNP_P1_182921_22420	NW_004515843.1	Scaffold340	22420	GG	CC	1940445854
SNP_P1_182922_25058	NW_004515843.1	Scaffold340	25058	GG	AA	1940445855

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182926_37627	NW_004515843.1	Scaffold340	37627	GG	CC	1940445858
SNP_P1_182927_38035	NW_004515843.1	Scaffold340	38035	CC	TT	1940445859
SNP_P1_182928_38051	NW_004515843.1	Scaffold340	38051	CC	TT	1940445860
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SNP_P1_182930_38098	NW_004515843.1	Scaffold340	38098	CC	TT	1940445862
SNP_P1_182931_38112	NW_004515843.1	Scaffold340	38112	GG	AA	1940445863
SNP_P1_182932_38141	NW_004515843.1	Scaffold340	38141	TT	CC	1940445864
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SNP_P1_182938_46387	NW_004515843.1	Scaffold340	46387	GG	TT	1940445867
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SNP_P1_182940_48523	NW_004515843.1	Scaffold340	48523	GG	TT	1940445869
SNP_P1_182941_48535	NW_004515843.1	Scaffold340	48535	AA	GG	1940445870
SNP_P1_182942_50398	NW_004515843.1	Scaffold340	50398	CC	TT	1940445872
SNP_P1_182944_58642	NW_004515843.1	Scaffold340	58642	CC	TT	1940445873
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SNP_P1_182961_69317	NW_004515843.1	Scaffold340	69317	GG	AA	1940445887
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SNP_P1_182964_69725	NW_004515843.1	Scaffold340	69725	TT	CC	1940445890
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SNP_P1_182969_78775	NW_004515843.1	Scaffold340	78775	AA	GG	1940445895
SNP_P1_182970_78815	NW_004515843.1	Scaffold340	78815	CC	TT	1940445896
SNP_P1_182971_78854	NW_004515843.1	Scaffold340	78854	GG	AA	1940445897
SNP_P1_182972_79161	NW_004515843.1	Scaffold340	79161	AA	GG	1940445898

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_182974_81065	NW_004515843.1	Scaffold340	81065	AA	GG	1940445900
SNP_P1_182975_84261	NW_004515843.1	Scaffold340	84261	GG	CC	1940445901
SNP_P1_182976_84345	NW_004515843.1	Scaffold340	84345	GG	AA	1940445902
SNP_P1_182977_85709	NW_004515843.1	Scaffold340	85709	AA	GG	1940445903
SNP_P1_182978_90164	NW_004515843.1	Scaffold340	90164	TT	CC	1940445904
SNP_P1_182979_90236	NW_004515843.1	Scaffold340	90236	CC	TT	1940445905
SNP_P1_182980_90533	NW_004515843.1	Scaffold340	90533	AA	GG	1940445906
SNP_P1_182981_90534	NW_004515843.1	Scaffold340	90534	AA	GG	1940445907
SNP_P1_182982_90585	NW_004515843.1	Scaffold340	90585	TT	GG	1940445908
SNP_P1_182983_90701	NW_004515843.1	Scaffold340	90701	GG	AA	1940445909
SNP_P1_182984_90716	NW_004515843.1	Scaffold340	90716	GG	AA	1940445910
SNP_P1_182985_90732	NW_004515843.1	Scaffold340	90732	GG	AA	1940445911
SNP_P1_182986_90743	NW_004515843.1	Scaffold340	90743	AA	GG	1940445912
SNP_P1_182987_90790	NW_004515843.1	Scaffold340	90790	CC	TT	1940445913
SNP_P1_182989_91168	NW_004515843.1	Scaffold340	91168	TT	AA	1940445914
SNP_P1_182990_92858	NW_004515843.1	Scaffold340	92858	AA	GG	1940445915
SNP_P1_182991_93293	NW_004515843.1	Scaffold340	93293	CC	TT	1940445916
SNP_P1_182992_94001	NW_004515843.1	Scaffold340	94001	CC	AA	1940445917
SNP_P1_182993_94171	NW_004515843.1	Scaffold340	94171	CC	TT	1940445918
SNP_P1_182996_98943	NW_004515843.1	Scaffold340	98943	AA	TT	1940445919
SNP_P1_182997_99285	NW_004515843.1	Scaffold340	99285	TT	CC	1940445920
SNP_P1_182998_99549	NW_004515843.1	Scaffold340	99549	CC	TT	1940445921
SNP_P1_182999_99551	NW_004515843.1	Scaffold340	99551	GG	CC	1940445922
SNP_P1_183000_100176	NW_004515843.1	Scaffold340	100176	GG	AA	1940445923
SNP_P1_183001_100622	NW_004515843.1	Scaffold340	100622	CC	TT	1940445924
SNP_P1_183003_101185	NW_004515843.1	Scaffold340	101185	AA	GG	1940445925
SNP_P1_183004_101279	NW_004515843.1	Scaffold340	101279	AA	CC	1940445926
SNP_P1_183005_101527	NW_004515843.1	Scaffold340	101527	CC	TT	1940445927
SNP_P1_183006_101860	NW_004515843.1	Scaffold340	101860	CC	TT	1940445928
SNP_P1_183007_101891	NW_004515843.1	Scaffold340	101891	AA	GG	1940445929
SNP_P1_183008_102055	NW_004515843.1	Scaffold340	102055	AA	TT	1940445930
SNP_P1_183009_102926	NW_004515843.1	Scaffold340	102926	TT	GG	1940445931
SNP_P1_183010_103756	NW_004515843.1	Scaffold340	103756	GG	AA	1940445932
SNP_P1_183011_105064	NW_004515843.1	Scaffold340	105064	AA	GG	1940445933
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SNP_P1_183013_107699	NW_004515843.1	Scaffold340	107699	GG	AA	1940445935
SNP_P1_183014_110522	NW_004515843.1	Scaffold340	110522	CC	AA	1940445936
SNP_P1_183015_110609	NW_004515843.1	Scaffold340	110609	TT	CC	1940445937
SNP_P1_183016_110907	NW_004515843.1	Scaffold340	110907	GG	AA	1940445938
SNP_P1_183017_111230	NW_004515843.1	Scaffold340	111230	TT	CC	1940445939
SNP_P1_183018_111784	NW_004515843.1	Scaffold340	111784	TT	CC	1940445940

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_183019_111946	NW_004515843.1	Scaffold340	111946	CC	AA	1940445941
SNP_P1_183020_111948	NW_004515843.1	Scaffold340	111948	AA	TT	1940445942
SNP_P1_183021_113203	NW_004515843.1	Scaffold340	113203	AA	TT	1940445944
SNP_P1_183022_113837	NW_004515843.1	Scaffold340	113837	TT	GG	1940445945
SNP_P1_183023_113881	NW_004515843.1	Scaffold340	113881	AA	TT	1940445946
SNP_P1_183024_114060	NW_004515843.1	Scaffold340	114060	CC	TT	1940445947
SNP_P1_183025_114180	NW_004515843.1	Scaffold340	114180	GG	TT	1940445948
SNP_P1_183026_118479	NW_004515843.1	Scaffold340	118479	TT	CC	1940445949
SNP_P1_183027_118715	NW_004515843.1	Scaffold340	118715	AA	GG	1940445950
SNP_P1_183028_118986	NW_004515843.1	Scaffold340	118986	TT	GG	1940445951
SNP_P1_183029_118991	NW_004515843.1	Scaffold340	118991	TT	CC	1940445952
SNP_P1_183030_119034	NW_004515843.1	Scaffold340	119034	AA	GG	1940445953
SNP_P1_183033_122848	NW_004515843.1	Scaffold340	122848	TT	CC	1940445954
SNP_P1_183035_124944	NW_004515843.1	Scaffold340	124944	GG	AA	1940445955
SNP_P1_183036_127634	NW_004515843.1	Scaffold340	127634	GG	CC	1940445956
SNP_P1_183037_128250	NW_004515843.1	Scaffold340	128250	TT	CC	1940445957
SNP_P1_183038_128470	NW_004515843.1	Scaffold340	128470	GG	TT	1940445958
SNP_P1_183039_128544	NW_004515843.1	Scaffold340	128544	AA	GG	1940445959
SNP_P1_183040_128558	NW_004515843.1	Scaffold340	128558	GG	AA	1940445960
SNP_P1_183041_128667	NW_004515843.1	Scaffold340	128667	GG	AA	1940445961
SNP_P1_183042_128884	NW_004515843.1	Scaffold340	128884	CC	TT	1940445962
SNP_P1_183043_128959	NW_004515843.1	Scaffold340	128959	CC	TT	1940445963
SNP_P1_183044_129699	NW_004515843.1	Scaffold340	129699	TT	CC	1940445964
SNP_P1_183045_129733	NW_004515843.1	Scaffold340	129733	AA	GG	1940445965
SNP_P1_183046_130922	NW_004515843.1	Scaffold340	130922	TT	AA	1940445966
SNP_P1_183047_133567	NW_004515843.1	Scaffold340	133567	GG	AA	1940445967
SNP_P1_183048_134084	NW_004515843.1	Scaffold340	134084	GG	AA	1940445968
SNP_P1_183049_135260	NW_004515843.1	Scaffold340	135260	AA	CC	1940445969
SNP_P1_183051_135898	NW_004515843.1	Scaffold340	135898	AA	CC	1940445970
SNP_P1_183052_135899	NW_004515843.1	Scaffold340	135899	CC	AA	1940445971
SNP_P1_183053_136173	NW_004515843.1	Scaffold340	136173	CC	GG	1940445972
SNP_P1_183055_137135	NW_004515843.1	Scaffold340	137135	GG	AA	1940445973
SNP_P1_183056_137201	NW_004515843.1	Scaffold340	137201	TT	AA	1940445974
SNP_P1_183057_138818	NW_004515843.1	Scaffold340	138818	TT	CC	1940445975
SNP_P1_183058_139576	NW_004515843.1	Scaffold340	139576	TT	CC	1940445976
SNP_P1_183059_143756	NW_004515843.1	Scaffold340	143756	AA	GG	1940445977
SNP_P1_183060_145128	NW_004515843.1	Scaffold340	145128	AA	CC	1940445978
SNP_P1_183063_148217	NW_004515843.1	Scaffold340	148217	GG	TT	1940445979
SNP_P1_183064_148771	NW_004515843.1	Scaffold340	148771	TT	CC	1940445980
SNP_P1_183065_148798	NW_004515843.1	Scaffold340	148798	AA	TT	1940445981
SNP_P1_183066_149006	NW_004515843.1	Scaffold340	149006	TT	GG	1940445982
SNP_P1_183067_150311	NW_004515843.1	Scaffold340	150311	TT	CC	1940445983

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183069_153637	NW_004515843.1	Scaffold340	153637	GG	CC	1940445985
SNP_P1_183070_153764	NW_004515843.1	Scaffold340	153764	AA	GG	1940445986
SNP_P1_183071_154840	NW_004515843.1	Scaffold340	154840	TT	GG	1940445987
SNP_P1_183072_155737	NW_004515843.1	Scaffold340	155737	CC	TT	1940445988
SNP_P1_183073_157389	NW_004515843.1	Scaffold340	157389	AA	GG	1940445989
SNP_P1_183074_157446	NW_004515843.1	Scaffold340	157446	AA	GG	1940445990
SNP_P1_183075_157734	NW_004515843.1	Scaffold340	157734	AA	GG	1940445991
SNP_P1_183076_158193	NW_004515843.1	Scaffold340	158193	TT	GG	1940445993
SNP_P1_183077_158848	NW_004515843.1	Scaffold340	158848	AA	TT	1940445994
SNP_P1_183078_159820	NW_004515843.1	Scaffold340	159820	CC	TT	1940445995
SNP_P1_183079_160328	NW_004515843.1	Scaffold340	160328	GG	AA	1940445996
SNP_P1_183080_160332	NW_004515843.1	Scaffold340	160332	CC	TT	1940445997
SNP_P1_183081_160362	NW_004515843.1	Scaffold340	160362	CC	GG	1940445998
SNP_P1_183085_163652	NW_004515843.1	Scaffold340	163652	AA	GG	1940445999
SNP_P1_183086_163740	NW_004515843.1	Scaffold340	163740	AA	GG	1940446000
SNP_P1_183087_163779	NW_004515843.1	Scaffold340	163779	TT	CC	1940446001
SNP_P1_183088_164014	NW_004515843.1	Scaffold340	164014	CC	TT	1940446002
SNP_P1_183089_164027	NW_004515843.1	Scaffold340	164027	GG	AA	1940446003
SNP_P1_183090_164039	NW_004515843.1	Scaffold340	164039	GG	AA	1940446004
SNP_P1_183091_164052	NW_004515843.1	Scaffold340	164052	AA	TT	1940446005
SNP_P1_183092_164894	NW_004515843.1	Scaffold340	164894	CC	GG	1940446006
SNP_P1_183093_165109	NW_004515843.1	Scaffold340	165109	AA	GG	1940446007
SNP_P1_183094_165175	NW_004515843.1	Scaffold340	165175	TT	AA	1940446008
SNP_P1_183095_169348	NW_004515843.1	Scaffold340	169348	AA	GG	1940446009
SNP_P1_183096_172119	NW_004515843.1	Scaffold340	172119	CC	AA	1940446010
SNP_P1_183097_172869	NW_004515843.1	Scaffold340	172869	GG	TT	1940446011
SNP_P1_183098_173289	NW_004515843.1	Scaffold340	173289	TT	GG	1940446012
SNP_P1_183099_173558	NW_004515843.1	Scaffold340	173558	GG	AA	1940446013
SNP_P1_183100_173941	NW_004515843.1	Scaffold340	173941	GG	AA	1940446014
SNP_P1_183101_174835	NW_004515843.1	Scaffold340	174835	TT	GG	1940446015
SNP_P1_183102_175422	NW_004515843.1	Scaffold340	175422	AA	TT	1940446016
SNP_P1_183103_175445	NW_004515843.1	Scaffold340	175445	TT	AA	1940446017
SNP_P1_183104_175447	NW_004515843.1	Scaffold340	175447	CC	AA	1940446018
SNP_P1_183106_175667	NW_004515843.1	Scaffold340	175667	CC	TT	1940446019
SNP_P1_183107_176027	NW_004515843.1	Scaffold340	176027	CC	TT	1940446020
SNP_P1_183108_184027	NW_004515843.1	Scaffold340	184027	GG	AA	1940446021
SNP_P1_183109_186212	NW_004515843.1	Scaffold340	186212	GG	TT	1940446022
SNP_P1_183110_186569	NW_004515843.1	Scaffold340	186569	GG	AA	1940446023
SNP_P1_183111_190492	NW_004515843.1	Scaffold340	190492	TT	CC	1940446024
SNP_P1_183113_192064	NW_004515843.1	Scaffold340	192064	GG	AA	1940446025
SNP_P1_183114_193839	NW_004515843.1	Scaffold340	193839	AA	GG	1940446026

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_183115_193881	NW_004515843.1	Scaffold340	193881	GG	AA	1940446027
SNP_P1_183116_197905	NW_004515843.1	Scaffold340	197905	CC	AA	1940446028
SNP_P1_183117_198222	NW_004515843.1	Scaffold340	198222	CC	GG	1940446029
SNP_P1_183118_198306	NW_004515843.1	Scaffold340	198306	CC	AA	1940446030
SNP_P1_183119_198506	NW_004515843.1	Scaffold340	198506	TT	AA	1940446031
SNP_P1_183120_198599	NW_004515843.1	Scaffold340	198599	AA	CC	1940446032
SNP_P1_183121_198600	NW_004515843.1	Scaffold340	198600	AA	GG	1940446033
SNP_P1_183122_198651	NW_004515843.1	Scaffold340	198651	AA	TT	1940446034
SNP_P1_183123_199665	NW_004515843.1	Scaffold340	199665	AA	CC	1940446035
SNP_P1_183125_200649	NW_004515843.1	Scaffold340	200649	TT	CC	1940446036
SNP_P1_183126_201608	NW_004515843.1	Scaffold340	201608	AA	CC	1940446037
SNP_P1_183127_201775	NW_004515843.1	Scaffold340	201775	CC	TT	1940446038
SNP_P1_183128_201999	NW_004515843.1	Scaffold340	201999	TT	CC	1940446039
SNP_P1_183129_202248	NW_004515843.1	Scaffold340	202248	CC	GG	1940446040
SNP_P1_183130_202498	NW_004515843.1	Scaffold340	202498	TT	GG	1940446041
SNP_P1_183131_202716	NW_004515843.1	Scaffold340	202716	CC	AA	1940446042
SNP_P1_183132_202740	NW_004515843.1	Scaffold340	202740	CC	TT	1940446043
SNP_P1_183133_202889	NW_004515843.1	Scaffold340	202889	AA	GG	1940446044
SNP_P1_183134_203790	NW_004515843.1	Scaffold340	203790	GG	TT	1940446045
SNP_P1_183135_204166	NW_004515843.1	Scaffold340	204166	GG	AA	1940446046
SNP_P1_183136_204367	NW_004515843.1	Scaffold340	204367	AA	GG	1940446047
SNP_P1_183137_204582	NW_004515843.1	Scaffold340	204582	TT	CC	1940446048
SNP_P1_183138_204796	NW_004515843.1	Scaffold340	204796	GG	AA	1940446049
SNP_P1_183139_205440	NW_004515843.1	Scaffold340	205440	GG	TT	1940446050
SNP_P1_183140_205466	NW_004515843.1	Scaffold340	205466	AA	GG	1940446051
SNP_P1_183141_205483	NW_004515843.1	Scaffold340	205483	AA	GG	1940446052
SNP_P1_183142_205501	NW_004515843.1	Scaffold340	205501	TT	GG	1940446053
SNP_P1_183143_205508	NW_004515843.1	Scaffold340	205508	GG	AA	1940446054
SNP_P1_183145_207978	NW_004515843.1	Scaffold340	207978	TT	CC	1940446055
SNP_P1_183146_208001	NW_004515843.1	Scaffold340	208001	TT	CC	1940446056
SNP_P1_183147_209229	NW_004515843.1	Scaffold340	209229	CC	AA	1940446057
SNP_P1_183148_209631	NW_004515843.1	Scaffold340	209631	TT	CC	1940446058
SNP_P1_183150_210551	NW_004515843.1	Scaffold340	210551	GG	AA	1940446059
SNP_P1_183151_211359	NW_004515843.1	Scaffold340	211359	AA	GG	1940446060
SNP_P1_183153_212606	NW_004515843.1	Scaffold340	212606	TT	CC	1940446061
SNP_P1_183154_215543	NW_004515843.1	Scaffold340	215543	TT	AA	1940446062
SNP_P1_183155_215544	NW_004515843.1	Scaffold340	215544	TT	CC	1940446063
SNP_P1_183156_217190	NW_004515843.1	Scaffold340	217190	AA	TT	1940446064
SNP_P1_183157_217454	NW_004515843.1	Scaffold340	217454	AA	CC	1940446065
SNP_P1_183159_218430	NW_004515843.1	Scaffold340	218430	GG	AA	1940446066
SNP_P1_183160_219247	NW_004515843.1	Scaffold340	219247	GG	CC	1940446067
SNP_P1_183162_219397	NW_004515843.1	Scaffold340	219397	CC	TT	1940446068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_183163_219749	NW_004515843.1	Scaffold340	219749	GG	AA	1940446069
SNP_P1_183164_220207	NW_004515843.1	Scaffold340	220207	TT	GG	1940446070
SNP_P1_183165_220237	NW_004515843.1	Scaffold340	220237	GG	AA	1940446071
SNP_P1_183166_220444	NW_004515843.1	Scaffold340	220444	GG	AA	1940446072
SNP_P1_183167_221504	NW_004515843.1	Scaffold340	221504	GG	AA	1940446073
SNP_P1_183168_221859	NW_004515843.1	Scaffold340	221859	TT	GG	1940446074
SNP_P1_183169_223119	NW_004515843.1	Scaffold340	223119	AA	GG	1940446075
SNP_P1_183170_223279	NW_004515843.1	Scaffold340	223279	CC	TT	1940446076
SNP_P1_183171_223514	NW_004515843.1	Scaffold340	223514	AA	GG	1940446077
SNP_P1_183172_223609	NW_004515843.1	Scaffold340	223609	TT	CC	1940446078
SNP_P1_183173_224372	NW_004515843.1	Scaffold340	224372	AA	GG	1940446079
SNP_P1_183175_226255	NW_004515843.1	Scaffold340	226255	CC	TT	1940446080
SNP_P1_183176_226674	NW_004515843.1	Scaffold340	226674	CC	TT	1940446081
SNP_P1_183178_227247	NW_004515843.1	Scaffold340	227247	AA	TT	1940446082
SNP_P1_183179_228217	NW_004515843.1	Scaffold340	228217	GG	AA	1940446083
SNP_P1_183180_238396	NW_004515843.1	Scaffold340	238396	GG	AA	1940446084
SNP_P1_183181_238445	NW_004515843.1	Scaffold340	238445	GG	TT	1940446085
SNP_P1_183182_238465	NW_004515843.1	Scaffold340	238465	CC	TT	1940446086
SNP_P1_183183_238902	NW_004515843.1	Scaffold340	238902	AA	TT	1940446087
SNP_P1_183184_239553	NW_004515843.1	Scaffold340	239553	TT	CC	1940446088
SNP_P1_183185_242042	NW_004515843.1	Scaffold340	242042	AA	GG	1940446089
SNP_P1_183186_242097	NW_004515843.1	Scaffold340	242097	AA	GG	1940446090
SNP_P1_183188_242159	NW_004515843.1	Scaffold340	242159	AA	GG	1940446091
SNP_P1_183189_242168	NW_004515843.1	Scaffold340	242168	CC	TT	1940446092
SNP_P1_183190_242199	NW_004515843.1	Scaffold340	242199	TT	GG	1940446093
SNP_P1_183191_242225	NW_004515843.1	Scaffold340	242225	AA	CC	1940446094
SNP_P1_183192_242461	NW_004515843.1	Scaffold340	242461	TT	CC	1940446095
SNP_P1_183193_242472	NW_004515843.1	Scaffold340	242472	TT	GG	1940446096
SNP_P1_183194_242473	NW_004515843.1	Scaffold340	242473	GG	TT	1940446097
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SNP_P1_183196_245086	NW_004515843.1	Scaffold340	245086	TT	GG	1940446099
SNP_P1_183197_245500	NW_004515843.1	Scaffold340	245500	CC	TT	1940446100
SNP_P1_183198_245531	NW_004515843.1	Scaffold340	245531	GG	AA	1940446101
SNP_P1_183199_245755	NW_004515843.1	Scaffold340	245755	AA	GG	1940446102
SNP_P1_183200_246677	NW_004515843.1	Scaffold340	246677	TT	GG	1940446103
SNP_P1_183201_250063	NW_004515843.1	Scaffold340	250063	AA	GG	1940446104
SNP_P1_183202_252009	NW_004515843.1	Scaffold340	252009	AA	TT	1940446105
SNP_P1_183203_252010	NW_004515843.1	Scaffold340	252010	TT	AA	1940446106
SNP_P1_183204_252011	NW_004515843.1	Scaffold340	252011	AA	TT	1940446107
SNP_P1_183206_252850	NW_004515843.1	Scaffold340	252850	TT	GG	1940446108
SNP_P1_183210_259960	NW_004515843.1	Scaffold340	259960	GG	AA	1940446109
SNP_P1_183211_261459	NW_004515843.1	Scaffold340	261459	CC	TT	1940446110

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183215_262591	NW_004515843.1	Scaffold340	262591	AA	GG	1940446112
SNP_P1_183216_262639	NW_004515843.1	Scaffold340	262639	CC	TT	1940446113
SNP_P1_183217_263073	NW_004515843.1	Scaffold340	263073	TT	AA	1940446114
SNP_P1_183218_263807	NW_004515843.1	Scaffold340	263807	AA	CC	1940446115
SNP_P1_183219_264142	NW_004515843.1	Scaffold340	264142	AA	GG	1940446116
SNP_P1_183220_264953	NW_004515843.1	Scaffold340	264953	GG	AA	1940446117
SNP_P1_183221_265216	NW_004515843.1	Scaffold340	265216	AA	GG	1940446118
SNP_P1_183222_265228	NW_004515843.1	Scaffold340	265228	AA	GG	1940446119
SNP_P1_183224_274570	NW_004515843.1	Scaffold340	274570	TT	CC	1940446120
SNP_P1_183225_274625	NW_004515843.1	Scaffold340	274625	GG	CC	1940446121
SNP_P1_183226_275496	NW_004515843.1	Scaffold340	275496	TT	AA	1940446122
SNP_P1_183227_275578	NW_004515843.1	Scaffold340	275578	TT	CC	1940446123
SNP_P1_183228_275792	NW_004515843.1	Scaffold340	275792	AA	CC	1940446124
SNP_P1_183229_275835	NW_004515843.1	Scaffold340	275835	GG	AA	1940446125
SNP_P1_183230_275970	NW_004515843.1	Scaffold340	275970	TT	CC	1940446126
SNP_P1_183231_276150	NW_004515843.1	Scaffold340	276150	AA	GG	1940446127
SNP_P1_183232_278147	NW_004515843.1	Scaffold340	278147	TT	AA	1940446128
SNP_P1_183233_278402	NW_004515843.1	Scaffold340	278402	AA	CC	1940446129
SNP_P1_183234_280335	NW_004515843.1	Scaffold340	280335	CC	TT	1940446130
SNP_P1_183235_280342	NW_004515843.1	Scaffold340	280342	CC	AA	1940446131
SNP_P1_183236_281949	NW_004515843.1	Scaffold340	281949	AA	CC	1940446132
SNP_P1_183237_281998	NW_004515843.1	Scaffold340	281998	CC	AA	1940446133
SNP_P1_183238_282077	NW_004515843.1	Scaffold340	282077	GG	AA	1940446134
SNP_P1_183239_282586	NW_004515843.1	Scaffold340	282586	AA	TT	1940446135
SNP_P1_183241_284980	NW_004515843.1	Scaffold340	284980	AA	GG	1940446136
SNP_P1_183244_288460	NW_004515843.1	Scaffold340	288460	GG	TT	1940446137
SNP_P1_183245_288992	NW_004515843.1	Scaffold340	288992	TT	CC	1940446138
SNP_P1_183246_289591	NW_004515843.1	Scaffold340	289591	AA	GG	1940446140
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SNP_P1_183251_290022	NW_004515843.1	Scaffold340	290022	CC	TT	1940446145
SNP_P1_183252_290044	NW_004515843.1	Scaffold340	290044	CC	GG	1940446146
SNP_P1_183253_290522	NW_004515843.1	Scaffold340	290522	AA	CC	1940446147
SNP_P1_183254_290566	NW_004515843.1	Scaffold340	290566	GG	TT	1940446148
SNP_P1_183255_290903	NW_004515843.1	Scaffold340	290903	CC	TT	1940446149
SNP_P1_183256_291088	NW_004515843.1	Scaffold340	291088	CC	AA	1940446150
SNP_P1_183257_291347	NW_004515843.1	Scaffold340	291347	TT	AA	1940446151
SNP_P1_183258_291369	NW_004515843.1	Scaffold340	291369	GG	TT	1940446152
SNP_P1_183259_291409	NW_004515843.1	Scaffold340	291409	GG	AA	1940446153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183261_292250	NW_004515843.1	Scaffold340	292250	GG	TT	1940446155
SNP_P1_183262_292785	NW_004515843.1	Scaffold340	292785	AA	GG	1940446156
SNP_P1_183263_293829	NW_004515843.1	Scaffold340	293829	CC	TT	1940446157
SNP_P1_183264_293851	NW_004515843.1	Scaffold340	293851	TT	CC	1940446158
SNP_P1_183265_294730	NW_004515843.1	Scaffold340	294730	GG	AA	1940446159
SNP_P1_183266_295069	NW_004515843.1	Scaffold340	295069	CC	TT	1940446160
SNP_P1_183267_295097	NW_004515843.1	Scaffold340	295097	AA	TT	1940446161
SNP_P1_183268_295426	NW_004515843.1	Scaffold340	295426	CC	TT	1940446162
SNP_P1_183269_295473	NW_004515843.1	Scaffold340	295473	TT	CC	1940446163
SNP_P1_183270_295497	NW_004515843.1	Scaffold340	295497	TT	AA	1940446164
SNP_P1_183271_296174	NW_004515843.1	Scaffold340	296174	AA	GG	1940446165
SNP_P1_183272_297301	NW_004515843.1	Scaffold340	297301	CC	TT	1940446166
SNP_P1_183273_298227	NW_004515843.1	Scaffold340	298227	TT	GG	1940446167
SNP_P1_183274_298244	NW_004515843.1	Scaffold340	298244	CC	TT	1940446168
SNP_P1_183275_298995	NW_004515843.1	Scaffold340	298995	CC	TT	1940446169
SNP_P1_183276_299011	NW_004515843.1	Scaffold340	299011	TT	CC	1940446170
SNP_P1_183277_301648	NW_004515843.1	Scaffold340	301648	CC	TT	1940446171
SNP_P1_183278_301872	NW_004515843.1	Scaffold340	301872	TT	CC	1940446172
SNP_P1_183280_305246	NW_004515843.1	Scaffold340	305246	AA	CC	1940446173
SNP_P1_183281_309037	NW_004515843.1	Scaffold340	309037	GG	TT	1940446174
SNP_P1_183282_314431	NW_004515843.1	Scaffold340	314431	GG	TT	1940446175
SNP_P1_183283_315101	NW_004515843.1	Scaffold340	315101	GG	TT	1940446176
SNP_P1_183284_315340	NW_004515843.1	Scaffold340	315340	GG	AA	1940446177
SNP_P1_183285_315817	NW_004515843.1	Scaffold340	315817	TT	CC	1940446178
SNP_P1_183286_316374	NW_004515843.1	Scaffold340	316374	CC	TT	1940446179
SNP_P1_183287_317723	NW_004515843.1	Scaffold340	317723	TT	CC	1940446180
SNP_P1_183290_318121	NW_004515843.1	Scaffold340	318121	GG	AA	1940446181
SNP_P1_183291_318145	NW_004515843.1	Scaffold340	318145	TT	CC	1940446182
SNP_P1_183292_318510	NW_004515843.1	Scaffold340	318510	CC	TT	1940446183
SNP_P1_183293_669	NW_004515844.1	Scaffold341	669	AA	GG	1940446184
SNP_P1_183294_879	NW_004515844.1	Scaffold341	879	TT	CC	1940446185
SNP_P1_183295_3924	NW_004515844.1	Scaffold341	3924	CC	TT	1940446186
SNP_P1_183296_4147	NW_004515844.1	Scaffold341	4147	CC	GG	1940446187
SNP_P1_183297_4194	NW_004515844.1	Scaffold341	4194	TT	CC	1940446188
SNP_P1_183298_39191	NW_004515844.1	Scaffold341	39191	TT	AA	1940446189
SNP_P1_183299_65552	NW_004515844.1	Scaffold341	65552	TT	GG	1940446190
SNP_P1_183300_65569	NW_004515844.1	Scaffold341	65569	TT	CC	1940446191
SNP_P1_183301_65880	NW_004515844.1	Scaffold341	65880	CC	AA	1940446192
SNP_P1_183302_67905	NW_004515844.1	Scaffold341	67905	TT	CC	1940446193
SNP_P1_183303_68166	NW_004515844.1	Scaffold341	68166	AA	CC	1940446194
SNP_P1_183304_85417	NW_004515844.1	Scaffold341	85417	CC	TT	1940446195

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183306_92546	NW_004515844.1	Scaffold341	92546	AA	GG	1940446197
SNP_P1_183307_92559	NW_004515844.1	Scaffold341	92559	CC	TT	1940446198
SNP_P1_183308_92581	NW_004515844.1	Scaffold341	92581	GG	AA	1940446199
SNP_P1_183309_92769	NW_004515844.1	Scaffold341	92769	AA	GG	1940446200
SNP_P1_183310_92775	NW_004515844.1	Scaffold341	92775	AA	CC	1940446201
SNP_P1_183311_102427	NW_004515844.1	Scaffold341	102427	TT	CC	1940446202
SNP_P1_183312_102622	NW_004515844.1	Scaffold341	102622	GG	TT	1940446203
SNP_P1_183313_104260	NW_004515844.1	Scaffold341	104260	AA	CC	1940446204
SNP_P1_183315_116192	NW_004515844.1	Scaffold341	116192	GG	TT	1940446205
SNP_P1_183316_116259	NW_004515844.1	Scaffold341	116259	TT	CC	1940446206
SNP_P1_183317_117219	NW_004515844.1	Scaffold341	117219	AA	GG	1940446207
SNP_P1_183318_122356	NW_004515844.1	Scaffold341	122356	AA	TT	1940446208
SNP_P1_183319_123607	NW_004515844.1	Scaffold341	123607	GG	AA	1940446209
SNP_P1_183320_124896	NW_004515844.1	Scaffold341	124896	TT	CC	1940446210
SNP_P1_183321_124916	NW_004515844.1	Scaffold341	124916	TT	CC	1940446211
SNP_P1_183322_135144	NW_004515844.1	Scaffold341	135144	AA	GG	1940446212
SNP_P1_183323_135151	NW_004515844.1	Scaffold341	135151	TT	CC	1940446213
SNP_P1_183324_135180	NW_004515844.1	Scaffold341	135180	TT	GG	1940446214
SNP_P1_183326_135265	NW_004515844.1	Scaffold341	135265	AA	GG	1940446215
SNP_P1_183328_135377	NW_004515844.1	Scaffold341	135377	TT	AA	1940446216
SNP_P1_183329_135509	NW_004515844.1	Scaffold341	135509	GG	AA	1940446217
SNP_P1_183330_135546	NW_004515844.1	Scaffold341	135546	TT	AA	1940446218
SNP_P1_183331_135569	NW_004515844.1	Scaffold341	135569	GG	TT	1940446219
SNP_P1_183332_135605	NW_004515844.1	Scaffold341	135605	TT	AA	1940446220
SNP_P1_183333_135608	NW_004515844.1	Scaffold341	135608	GG	TT	1940446221
SNP_P1_183334_137024	NW_004515844.1	Scaffold341	137024	CC	TT	1940446222
SNP_P1_183335_137346	NW_004515844.1	Scaffold341	137346	TT	CC	1940446223
SNP_P1_183336_137484	NW_004515844.1	Scaffold341	137484	AA	GG	1940446224
SNP_P1_183337_137511	NW_004515844.1	Scaffold341	137511	AA	GG	1940446225
SNP_P1_183338_144852	NW_004515844.1	Scaffold341	144852	AA	CC	1940446226
SNP_P1_183339_144879	NW_004515844.1	Scaffold341	144879	AA	GG	1940446227
SNP_P1_183341_159645	NW_004515844.1	Scaffold341	159645	TT	CC	1940446228
SNP_P1_183342_159651	NW_004515844.1	Scaffold341	159651	CC	TT	1940446229
SNP_P1_183343_159949	NW_004515844.1	Scaffold341	159949	TT	CC	1940446230
SNP_P1_183344_172114	NW_004515844.1	Scaffold341	172114	GG	AA	1940446231
SNP_P1_183345_172123	NW_004515844.1	Scaffold341	172123	TT	CC	1940446232
SNP_P1_183346_184974	NW_004515844.1	Scaffold341	184974	AA	CC	1940446233
SNP_P1_183347_185029	NW_004515844.1	Scaffold341	185029	AA	TT	1940446234
SNP_P1_183348_185055	NW_004515844.1	Scaffold341	185055	TT	CC	1940446235
SNP_P1_183349_185067	NW_004515844.1	Scaffold341	185067	CC	TT	1940446236
SNP_P1_183350_185354	NW_004515844.1	Scaffold341	185354	CC	TT	1940446237

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183352_188447	NW_004515844.1	Scaffold341	188447	TT	GG	1940446239
SNP_P1_183353_622	NW_004515845.1	Scaffold342	622	CC	TT	1940446240
SNP_P1_183354_651	NW_004515845.1	Scaffold342	651	TT	GG	1940446241
SNP_P1_183355_652	NW_004515845.1	Scaffold342	652	TT	CC	1940446242
SNP_P1_183356_674	NW_004515845.1	Scaffold342	674	AA	GG	1940446243
SNP_P1_183357_681	NW_004515845.1	Scaffold342	681	TT	CC	1940446244
SNP_P1_183358_706	NW_004515845.1	Scaffold342	706	AA	GG	1940446245
SNP_P1_183359_869	NW_004515845.1	Scaffold342	869	AA	TT	1940446246
SNP_P1_183360_881	NW_004515845.1	Scaffold342	881	AA	GG	1940446247
SNP_P1_183361_979	NW_004515845.1	Scaffold342	979	GG	AA	1940446248
SNP_P1_183362_13194	NW_004515845.1	Scaffold342	13194	GG	CC	1940446249
SNP_P1_183363_17229	NW_004515845.1	Scaffold342	17229	TT	CC	1940446250
SNP_P1_183364_17251	NW_004515845.1	Scaffold342	17251	TT	CC	1940446251
SNP_P1_183365_19093	NW_004515845.1	Scaffold342	19093	CC	GG	1940446252
SNP_P1_183366_19149	NW_004515845.1	Scaffold342	19149	GG	AA	1940446253
SNP_P1_183367_19257	NW_004515845.1	Scaffold342	19257	CC	GG	1940446254
SNP_P1_183368_19269	NW_004515845.1	Scaffold342	19269	CC	TT	1940446255
SNP_P1_183369_19344	NW_004515845.1	Scaffold342	19344	GG	TT	1940446256
SNP_P1_183370_19472	NW_004515845.1	Scaffold342	19472	TT	CC	1940446257
SNP_P1_183371_19525	NW_004515845.1	Scaffold342	19525	TT	CC	1940446258
SNP_P1_183372_19564	NW_004515845.1	Scaffold342	19564	AA	CC	1940446259
SNP_P1_183373_19565	NW_004515845.1	Scaffold342	19565	TT	AA	1940446260
SNP_P1_183374_19566	NW_004515845.1	Scaffold342	19566	CC	AA	1940446261
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SNP_P1_183384_61026	NW_004515845.1	Scaffold342	61026	CC	TT	1940446271
SNP_P1_183385_61241	NW_004515845.1	Scaffold342	61241	TT	CC	1940446272
SNP_P1_183386_61271	NW_004515845.1	Scaffold342	61271	TT	AA	1940446273
SNP_P1_183387_61274	NW_004515845.1	Scaffold342	61274	TT	CC	1940446274
SNP_P1_183388_61277	NW_004515845.1	Scaffold342	61277	CC	TT	1940446275
SNP_P1_183389_61396	NW_004515845.1	Scaffold342	61396	CC	TT	1940446276
SNP_P1_183390_61437	NW_004515845.1	Scaffold342	61437	CC	TT	1940446277
SNP_P1_183391_61569	NW_004515845.1	Scaffold342	61569	CC	TT	1940446278
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183395_121080	NW_004515845.1	Scaffold342	121080	GG	TT	1940446282
SNP_P1_183397_121868	NW_004515845.1	Scaffold342	121868	AA	CC	1940446284
SNP_P1_183398_125463	NW_004515845.1	Scaffold342	125463	TT	CC	1940446285
SNP_P1_183399_125558	NW_004515845.1	Scaffold342	125558	TT	CC	1940446286
SNP_P1_183400_125580	NW_004515845.1	Scaffold342	125580	GG	AA	1940446287
SNP_P1_183401_125621	NW_004515845.1	Scaffold342	125621	AA	TT	1940446288
SNP_P1_183402_125627	NW_004515845.1	Scaffold342	125627	TT	AA	1940446289
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SNP_P1_183404_125694	NW_004515845.1	Scaffold342	125694	AA	CC	1940446291
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SNP_P1_183406_125831	NW_004515845.1	Scaffold342	125831	TT	CC	1940446293
SNP_P1_183407_125899	NW_004515845.1	Scaffold342	125899	AA	GG	1940446294
SNP_P1_183408_125940	NW_004515845.1	Scaffold342	125940	TT	CC	1940446295
SNP_P1_183409_126136	NW_004515845.1	Scaffold342	126136	TT	CC	1940446296
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SNP_P1_183411_132992	NW_004515845.1	Scaffold342	132992	GG	TT	1940446298
SNP_P1_183412_133222	NW_004515845.1	Scaffold342	133222	GG	TT	1940446299
SNP_P1_183413_133253	NW_004515845.1	Scaffold342	133253	TT	CC	1940446300
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SNP_P1_183415_133337	NW_004515845.1	Scaffold342	133337	TT	CC	1940446302
SNP_P1_183416_133339	NW_004515845.1	Scaffold342	133339	TT	CC	1940446303
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SNP_P1_183421_168452	NW_004515845.1	Scaffold342	168452	CC	AA	1940446307
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SNP_P1_183423_183508	NW_004515845.1	Scaffold342	183508	AA	GG	1940446309
SNP_P1_183424_183570	NW_004515845.1	Scaffold342	183570	TT	GG	1940446310
SNP_P1_183425_183650	NW_004515845.1	Scaffold342	183650	TT	CC	1940446311
SNP_P1_183426_183758	NW_004515845.1	Scaffold342	183758	AA	TT	1940446312
SNP_P1_183427_183762	NW_004515845.1	Scaffold342	183762	TT	CC	1940446313
SNP_P1_183428_183771	NW_004515845.1	Scaffold342	183771	CC	TT	1940446314
SNP_P1_183429_183772	NW_004515845.1	Scaffold342	183772	TT	CC	1940446315
SNP_P1_183430_204371	NW_004515845.1	Scaffold342	204371	CC	AA	1940446316
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SNP_P1_183432_207132	NW_004515845.1	Scaffold342	207132	GG	CC	1940446318
SNP_P1_183433_207396	NW_004515845.1	Scaffold342	207396	TT	CC	1940446319
SNP_P1_183434_213941	NW_004515845.1	Scaffold342	213941	TT	GG	1940446320
SNP_P1_183436_233829	NW_004515845.1	Scaffold342	233829	AA	GG	1940446321
SNP_P1_183439_241678	NW_004515845.1	Scaffold342	241678	CC	TT	1940446322

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_183440_241698	NW_004515845.1	Scaffold342	241698	GG	AA	1940446323
SNP_P1_183441_241703	NW_004515845.1	Scaffold342	241703	TT	CC	1940446324
SNP_P1_183442_242961	NW_004515845.1	Scaffold342	242961	AA	TT	1940446325
SNP_P1_183444_252070	NW_004515845.1	Scaffold342	252070	AA	CC	1940446326
SNP_P1_183445_284747	NW_004515845.1	Scaffold342	284747	AA	GG	1940446327
SNP_P1_183447_310797	NW_004515845.1	Scaffold342	310797	GG	CC	1940446328
SNP_P1_183448_313477	NW_004515845.1	Scaffold342	313477	TT	AA	1940446329
SNP_P1_183449_313872	NW_004515845.1	Scaffold342	313872	CC	TT	1940446330
SNP_P1_183451_324636	NW_004515845.1	Scaffold342	324636	AA	CC	1940446331
SNP_P1_183452_325137	NW_004515845.1	Scaffold342	325137	CC	AA	1940446332
SNP_P1_183453_325170	NW_004515845.1	Scaffold342	325170	AA	GG	1940446333
SNP_P1_183455_325286	NW_004515845.1	Scaffold342	325286	GG	AA	1940446334
SNP_P1_183456_325320	NW_004515845.1	Scaffold342	325320	CC	AA	1940446335
SNP_P1_183457_336191	NW_004515845.1	Scaffold342	336191	TT	AA	1940446336
SNP_P1_183458_340050	NW_004515845.1	Scaffold342	340050	GG	AA	1940446337
SNP_P1_183459_340113	NW_004515845.1	Scaffold342	340113	TT	CC	1940446338
SNP_P1_183460_340175	NW_004515845.1	Scaffold342	340175	AA	GG	1940446339
SNP_P1_183461_340176	NW_004515845.1	Scaffold342	340176	GG	AA	1940446340
SNP_P1_183462_340499	NW_004515845.1	Scaffold342	340499	CC	GG	1940446341
SNP_P1_183464_344583	NW_004515845.1	Scaffold342	344583	CC	TT	1940446342
SNP_P1_183465_344837	NW_004515845.1	Scaffold342	344837	TT	CC	1940446343
SNP_P1_183466_345028	NW_004515845.1	Scaffold342	345028	CC	GG	1940446344
SNP_P1_183467_345224	NW_004515845.1	Scaffold342	345224	TT	CC	1940446345
SNP_P1_183468_356060	NW_004515845.1	Scaffold342	356060	TT	CC	1940446346
SNP_P1_183469_356062	NW_004515845.1	Scaffold342	356062	CC	AA	1940446347
SNP_P1_183470_358888	NW_004515845.1	Scaffold342	358888	GG	AA	1940446348
SNP_P1_183471_358896	NW_004515845.1	Scaffold342	358896	GG	CC	1940446349
SNP_P1_183472_359214	NW_004515845.1	Scaffold342	359214	AA	CC	1940446350
SNP_P1_183474_370710	NW_004515845.1	Scaffold342	370710	AA	GG	1940446351
SNP_P1_183475_372056	NW_004515845.1	Scaffold342	372056	GG	AA	1940446352
SNP_P1_183476_372349	NW_004515845.1	Scaffold342	372349	AA	CC	1940446353
SNP_P1_183477_372483	NW_004515845.1	Scaffold342	372483	CC	TT	1940446354
SNP_P1_183478_14465	NW_004515847.1	Scaffold346_1	14465	GG	TT	1940446355
SNP_P1_183479_30136	NW_004515847.1	Scaffold346_1	30136	AA	GG	1940446356
SNP_P1_183480_30176	NW_004515847.1	Scaffold346_1	30176	TT	CC	1940446357
SNP_P1_183481_30253	NW_004515847.1	Scaffold346_1	30253	TT	CC	1940446358
SNP_P1_183482_30464	NW_004515847.1	Scaffold346_1	30464	AA	GG	1940446359
SNP_P1_183483_30477	NW_004515847.1	Scaffold346_1	30477	TT	CC	1940446360
SNP_P1_183484_30493	NW_004515847.1	Scaffold346_1	30493	AA	TT	1940446361
SNP_P1_183485_39311	NW_004515847.1	Scaffold346_1	39311	CC	GG	1940446362
SNP_P1_183486_41391	NW_004515847.1	Scaffold346_1	41391	CC	GG	1940446363
SNP_P1_183487_41581	NW_004515847.1	Scaffold346_1	41581	GG	CC	1940446364

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183489_41904	NW_004515847.1	Scaffold346_1	41904	GG	AA	1940446366
SNP_P1_183490_41984	NW_004515847.1	Scaffold346_1	41984	AA	CC	1940446367
SNP_P1_183491_42068	NW_004515847.1	Scaffold346_1	42068	GG	CC	1940446368
SNP_P1_183492_42109	NW_004515847.1	Scaffold346_1	42109	AA	GG	1940446369
SNP_P1_183493_42134	NW_004515847.1	Scaffold346_1	42134	GG	AA	1940446370
SNP_P1_183494_42169	NW_004515847.1	Scaffold346_1	42169	TT	CC	1940446371
SNP_P1_183495_42170	NW_004515847.1	Scaffold346_1	42170	GG	AA	1940446372
SNP_P1_183496_42281	NW_004515847.1	Scaffold346_1	42281	AA	GG	1940446373
SNP_P1_183497_42439	NW_004515847.1	Scaffold346_1	42439	GG	TT	1940446374
SNP_P1_183498_42521	NW_004515847.1	Scaffold346_1	42521	AA	GG	1940446375
SNP_P1_183499_42554	NW_004515847.1	Scaffold346_1	42554	CC	TT	1940446376
SNP_P1_183500_42668	NW_004515847.1	Scaffold346_1	42668	CC	TT	1940446377
SNP_P1_183501_42864	NW_004515847.1	Scaffold346_1	42864	CC	TT	1940446378
SNP_P1_183502_42906	NW_004515847.1	Scaffold346_1	42906	GG	CC	1940446379
SNP_P1_183503_46412	NW_004515847.1	Scaffold346_1	46412	CC	TT	1940446380
SNP_P1_183504_47249	NW_004515847.1	Scaffold346_1	47249	GG	AA	1940446381
SNP_P1_183506_60273	NW_004515847.1	Scaffold346_1	60273	AA	TT	1940446382
SNP_P1_183507_62535	NW_004515847.1	Scaffold346_1	62535	TT	CC	1940446383
SNP_P1_183508_74016	NW_004515847.1	Scaffold346_1	74016	TT	AA	1940446384
SNP_P1_183509_78986	NW_004515847.1	Scaffold346_1	78986	GG	TT	1940446385
SNP_P1_183510_87099	NW_004515847.1	Scaffold346_1	87099	TT	CC	1940446386
SNP_P1_183511_107939	NW_004515847.1	Scaffold346_1	107939	AA	TT	1940446387
SNP_P1_183514_130009	NW_004515847.1	Scaffold346_1	130009	TT	CC	1940446388
SNP_P1_183515_130287	NW_004515847.1	Scaffold346_1	130287	GG	CC	1940446389
SNP_P1_183516_136994	NW_004515847.1	Scaffold346_1	136994	GG	TT	1940446390
SNP_P1_183518_138562	NW_004515847.1	Scaffold346_1	138562	CC	TT	1940446391
SNP_P1_183519_154638	NW_004515847.1	Scaffold346_1	154638	TT	GG	1940446392
SNP_P1_183520_160635	NW_004515847.1	Scaffold346_1	160635	TT	CC	1940446393
SNP_P1_183524_199112	NW_004515847.1	Scaffold346_1	199112	TT	CC	1940446394
SNP_P1_183525_199119	NW_004515847.1	Scaffold346_1	199119	AA	GG	1940446395
SNP_P1_183526_199245	NW_004515847.1	Scaffold346_1	199245	CC	TT	1940446396
SNP_P1_183527_199263	NW_004515847.1	Scaffold346_1	199263	TT	CC	1940446397
SNP_P1_183528_199293	NW_004515847.1	Scaffold346_1	199293	GG	AA	1940446398
SNP_P1_183529_199317	NW_004515847.1	Scaffold346_1	199317	TT	CC	1940446399
SNP_P1_183530_199326	NW_004515847.1	Scaffold346_1	199326	AA	GG	1940446400
SNP_P1_183531_199449	NW_004515847.1	Scaffold346_1	199449	AA	GG	1940446401
SNP_P1_183532_199658	NW_004515847.1	Scaffold346_1	199658	TT	CC	1940446402
SNP_P1_183533_199682	NW_004515847.1	Scaffold346_1	199682	CC	TT	1940446403
SNP_P1_183534_199684	NW_004515847.1	Scaffold346_1	199684	AA	GG	1940446404
SNP_P1_183535_199689	NW_004515847.1	Scaffold346_1	199689	GG	AA	1940446405
SNP_P1_183536_199716	NW_004515847.1	Scaffold346_1	199716	AA	GG	1940446406

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_183537_206095	NW_004515847.1	Scaffold346_1	206095	TT	GG	1940446407
SNP_P1_183538_206100	NW_004515847.1	Scaffold346_1	206100	GG	AA	1940446408
SNP_P1_183539_206535	NW_004515847.1	Scaffold346_1	206535	TT	CC	1940446409
SNP_P1_183540_217888	NW_004515847.1	Scaffold346_1	217888	TT	CC	1940446410
SNP_P1_183541_228841	NW_004515847.1	Scaffold346_1	228841	CC	TT	1940446411
SNP_P1_183542_233284	NW_004515847.1	Scaffold346_1	233284	AA	CC	1940446412
SNP_P1_183543_238394	NW_004515847.1	Scaffold346_1	238394	AA	GG	1940446413
SNP_P1_183544_238594	NW_004515847.1	Scaffold346_1	238594	TT	CC	1940446414
SNP_P1_183545_238602	NW_004515847.1	Scaffold346_1	238602	TT	CC	1940446415
SNP_P1_183546_238614	NW_004515847.1	Scaffold346_1	238614	AA	CC	1940446416
SNP_P1_183547_256675	NW_004515847.1	Scaffold346_1	256675	TT	CC	1940446417
SNP_P1_183548_264941	NW_004515847.1	Scaffold346_1	264941	TT	AA	1940446418
SNP_P1_183549_306567	NW_004515847.1	Scaffold346_1	306567	CC	TT	1940446419
SNP_P1_183550_309271	NW_004515847.1	Scaffold346_1	309271	CC	AA	1940446420
SNP_P1_183551_1278	NW_004515849.1	Scaffold349	1278	AA	CC	1940446421
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SNP_P1_183553_1299	NW_004515849.1	Scaffold349	1299	GG	AA	1940446423
SNP_P1_183554_17599	NW_004515849.1	Scaffold349	17599	GG	AA	1940446424
SNP_P1_183555_36229	NW_004515849.1	Scaffold349	36229	TT	CC	1940446425
SNP_P1_183556_56876	NW_004515849.1	Scaffold349	56876	CC	AA	1940446426
SNP_P1_183557_67752	NW_004515849.1	Scaffold349	67752	AA	GG	1940446428
SNP_P1_183560_72262	NW_004515849.1	Scaffold349	72262	AA	GG	1940446429
SNP_P1_183561_78771	NW_004515849.1	Scaffold349	78771	GG	AA	1940446430
SNP_P1_183562_79137	NW_004515849.1	Scaffold349	79137	TT	AA	1940446431
SNP_P1_183563_85352	NW_004515849.1	Scaffold349	85352	TT	GG	1940446432
SNP_P1_183564_89974	NW_004515849.1	Scaffold349	89974	TT	GG	1940446433
SNP_P1_183565_91448	NW_004515849.1	Scaffold349	91448	AA	TT	1940446434
SNP_P1_183566_91869	NW_004515849.1	Scaffold349	91869	GG	CC	1940446435
SNP_P1_183567_91889	NW_004515849.1	Scaffold349	91889	TT	CC	1940446436
SNP_P1_183568_91934	NW_004515849.1	Scaffold349	91934	GG	AA	1940446437
SNP_P1_183569_91975	NW_004515849.1	Scaffold349	91975	CC	TT	1940446438
SNP_P1_183570_91986	NW_004515849.1	Scaffold349	91986	AA	CC	1940446439
SNP_P1_183571_92313	NW_004515849.1	Scaffold349	92313	AA	GG	1940446440
SNP_P1_183572_92369	NW_004515849.1	Scaffold349	92369	TT	GG	1940446441
SNP_P1_183573_97346	NW_004515849.1	Scaffold349	97346	GG	AA	1940446442
SNP_P1_183574_98798	NW_004515849.1	Scaffold349	98798	GG	TT	1940446443
SNP_P1_183575_116525	NW_004515849.1	Scaffold349	116525	CC	AA	1940446444
SNP_P1_183576_141648	NW_004515849.1	Scaffold349	141648	AA	CC	1940446445
SNP_P1_183577_145874	NW_004515849.1	Scaffold349	145874	GG	AA	1940446446
SNP_P1_183578_159495	NW_004515849.1	Scaffold349	159495	AA	TT	1940446447
SNP_P1_183579_159508	NW_004515849.1	Scaffold349	159508	GG	TT	1940446448
SNP_P1_183580_159878	NW_004515849.1	Scaffold349	159878	GG	AA	1940446449

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183582_159886	NW_004515849.1	Scaffold349	159886	AA	GG	1940446451
SNP_P1_183583_160000	NW_004515849.1	Scaffold349	160000	AA	TT	1940446452
SNP_P1_183584_160011	NW_004515849.1	Scaffold349	160011	CC	TT	1940446453
SNP_P1_183585_160031	NW_004515849.1	Scaffold349	160031	TT	CC	1940446454
SNP_P1_183586_160089	NW_004515849.1	Scaffold349	160089	AA	GG	1940446455
SNP_P1_183587_167105	NW_004515849.1	Scaffold349	167105	AA	GG	1940446456
SNP_P1_183588_172341	NW_004515849.1	Scaffold349	172341	CC	GG	1940446457
SNP_P1_183589_172964	NW_004515849.1	Scaffold349	172964	TT	AA	1940446458
SNP_P1_183590_177697	NW_004515849.1	Scaffold349	177697	GG	AA	1940446459
SNP_P1_183591_177715	NW_004515849.1	Scaffold349	177715	TT	CC	1940446460
SNP_P1_183593_178108	NW_004515849.1	Scaffold349	178108	CC	TT	1940446461
SNP_P1_183595_214493	NW_004515849.1	Scaffold349	214493	GG	AA	1940446462
SNP_P1_183596_222848	NW_004515849.1	Scaffold349	222848	AA	TT	1940446463
SNP_P1_183597_229622	NW_004515849.1	Scaffold349	229622	AA	TT	1940446464
SNP_P1_183598_233653	NW_004515849.1	Scaffold349	233653	GG	AA	1940446465
SNP_P1_183599_233984	NW_004515849.1	Scaffold349	233984	AA	GG	1940446466
SNP_P1_183600_238378	NW_004515849.1	Scaffold349	238378	TT	AA	1940446467
SNP_P1_183601_238410	NW_004515849.1	Scaffold349	238410	CC	TT	1940446468
SNP_P1_183602_238431	NW_004515849.1	Scaffold349	238431	AA	GG	1940446469
SNP_P1_183603_238434	NW_004515849.1	Scaffold349	238434	TT	CC	1940446470
SNP_P1_183604_238453	NW_004515849.1	Scaffold349	238453	CC	TT	1940446471
SNP_P1_183605_238841	NW_004515849.1	Scaffold349	238841	AA	GG	1940446472
SNP_P1_183606_238887	NW_004515849.1	Scaffold349	238887	TT	CC	1940446473
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SNP_P1_183609_263023	NW_004515849.1	Scaffold349	263023	AA	GG	1940446475
SNP_P1_183610_290887	NW_004515849.1	Scaffold349	290887	AA	CC	1940446476
SNP_P1_183611_295247	NW_004515849.1	Scaffold349	295247	TT	CC	1940446477
SNP_P1_183612_301984	NW_004515849.1	Scaffold349	301984	GG	AA	1940446478
SNP_P1_183613_309207	NW_004515849.1	Scaffold349	309207	GG	TT	1940446479
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SNP_P1_183615_309240	NW_004515849.1	Scaffold349	309240	CC	AA	1940446481
SNP_P1_183616_314577	NW_004515849.1	Scaffold349	314577	CC	TT	1940446482
SNP_P1_183617_327420	NW_004515849.1	Scaffold349	327420	CC	TT	1940446483
SNP_P1_183618_335211	NW_004515849.1	Scaffold349	335211	GG	AA	1940446484
SNP_P1_183619_335237	NW_004515849.1	Scaffold349	335237	GG	AA	1940446485
SNP_P1_183621_335716	NW_004515849.1	Scaffold349	335716	GG	AA	1940446486
SNP_P1_183622_468	NW_004515850.1	Scaffold350	468	CC	TT	1940446487
SNP_P1_183623_469	NW_004515850.1	Scaffold350	469	GG	AA	1940446488
SNP_P1_183624_558	NW_004515850.1	Scaffold350	558	GG	AA	1940446489
SNP_P1_183625_584	NW_004515850.1	Scaffold350	584	AA	TT	1940446490
SNP_P1_183626_5627	NW_004515850.1	Scaffold350	5627	AA	TT	1940446491

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183628_5684	NW_004515850.1	Scaffold350	5684	AA	TT	1940446493
SNP_P1_183629_5687	NW_004515850.1	Scaffold350	5687	AA	GG	1940446494
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SNP_P1_183631_5708	NW_004515850.1	Scaffold350	5708	GG	AA	1940446496
SNP_P1_183632_5829	NW_004515850.1	Scaffold350	5829	CC	GG	1940446497
SNP_P1_183633_5831	NW_004515850.1	Scaffold350	5831	GG	AA	1940446498
SNP_P1_183634_5838	NW_004515850.1	Scaffold350	5838	CC	TT	1940446499
SNP_P1_183635_5844	NW_004515850.1	Scaffold350	5844	AA	TT	1940446500
SNP_P1_183636_5850	NW_004515850.1	Scaffold350	5850	GG	TT	1940446501
SNP_P1_183637_5856	NW_004515850.1	Scaffold350	5856	GG	AA	1940446502
SNP_P1_183638_19736	NW_004515850.1	Scaffold350	19736	AA	GG	1940446503
SNP_P1_183639_22849	NW_004515850.1	Scaffold350	22849	AA	TT	1940446504
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SNP_P1_183641_35128	NW_004515850.1	Scaffold350	35128	AA	TT	1940446506
SNP_P1_183642_36600	NW_004515850.1	Scaffold350	36600	AA	CC	1940446507
SNP_P1_183643_41991	NW_004515850.1	Scaffold350	41991	TT	CC	1940446508
SNP_P1_183644_42013	NW_004515850.1	Scaffold350	42013	GG	AA	1940446509
SNP_P1_183645_45126	NW_004515850.1	Scaffold350	45126	CC	TT	1940446510
SNP_P1_183646_45228	NW_004515850.1	Scaffold350	45228	AA	TT	1940446511
SNP_P1_183647_45310	NW_004515850.1	Scaffold350	45310	TT	GG	1940446512
SNP_P1_183648_45312	NW_004515850.1	Scaffold350	45312	AA	TT	1940446513
SNP_P1_183652_68491	NW_004515850.1	Scaffold350	68491	TT	CC	1940446514
SNP_P1_183653_69459	NW_004515850.1	Scaffold350	69459	AA	GG	1940446515
SNP_P1_183654_69467	NW_004515850.1	Scaffold350	69467	TT	CC	1940446516
SNP_P1_183655_69486	NW_004515850.1	Scaffold350	69486	CC	GG	1940446517
SNP_P1_183656_69521	NW_004515850.1	Scaffold350	69521	AA	CC	1940446518
SNP_P1_183657_69549	NW_004515850.1	Scaffold350	69549	CC	TT	1940446519
SNP_P1_183658_69552	NW_004515850.1	Scaffold350	69552	GG	AA	1940446520
SNP_P1_183659_69564	NW_004515850.1	Scaffold350	69564	CC	TT	1940446521
SNP_P1_183660_69778	NW_004515850.1	Scaffold350	69778	AA	CC	1940446522
SNP_P1_183661_69787	NW_004515850.1	Scaffold350	69787	AA	TT	1940446523
SNP_P1_183662_69788	NW_004515850.1	Scaffold350	69788	GG	AA	1940446524
SNP_P1_183663_69980	NW_004515850.1	Scaffold350	69980	TT	CC	1940446525
SNP_P1_183664_70052	NW_004515850.1	Scaffold350	70052	CC	TT	1940446526
SNP_P1_183665_86571	NW_004515850.1	Scaffold350	86571	TT	CC	1940446527
SNP_P1_183666_86826	NW_004515850.1	Scaffold350	86826	TT	GG	1940446529
SNP_P1_183667_86839	NW_004515850.1	Scaffold350	86839	AA	GG	1940446530
SNP_P1_183668_103771	NW_004515850.1	Scaffold350	103771	GG	TT	1940446531
SNP_P1_183669_111540	NW_004515850.1	Scaffold350	111540	TT	CC	1940446532
SNP_P1_183670_151426	NW_004515850.1	Scaffold350	151426	AA	CC	1940446533
SNP_P1_183671_151585	NW_004515850.1	Scaffold350	151585	CC	TT	1940446534

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_183672_154371	NW_004515850.1	Scaffold350	154371	AA	GG	1940446535
SNP_P1_183673_165101	NW_004515850.1	Scaffold350	165101	GG	AA	1940446536
SNP_P1_183674_165206	NW_004515850.1	Scaffold350	165206	CC	TT	1940446537
SNP_P1_183675_165244	NW_004515850.1	Scaffold350	165244	GG	CC	1940446538
SNP_P1_183677_165798	NW_004515850.1	Scaffold350	165798	TT	CC	1940446539
SNP_P1_183678_166048	NW_004515850.1	Scaffold350	166048	TT	AA	1940446540
SNP_P1_183679_4388	NW_004515851.1	Scaffold351	4388	AA	GG	1940446541
SNP_P1_183680_4414	NW_004515851.1	Scaffold351	4414	CC	GG	1940446542
SNP_P1_183681_4743	NW_004515851.1	Scaffold351	4743	AA	GG	1940446543
SNP_P1_183682_4760	NW_004515851.1	Scaffold351	4760	TT	AA	1940446544
SNP_P1_183683_8263	NW_004515851.1	Scaffold351	8263	AA	TT	1940446545
SNP_P1_183684_10971	NW_004515851.1	Scaffold351	10971	AA	GG	1940446546
SNP_P1_183685_14315	NW_004515851.1	Scaffold351	14315	AA	GG	1940446547
SNP_P1_183686_14592	NW_004515851.1	Scaffold351	14592	TT	CC	1940446548
SNP_P1_183687_15418	NW_004515851.1	Scaffold351	15418	CC	TT	1940446549
SNP_P1_183688_15535	NW_004515851.1	Scaffold351	15535	CC	TT	1940446550
SNP_P1_183689_15649	NW_004515851.1	Scaffold351	15649	GG	TT	1940446551
SNP_P1_183690_15725	NW_004515851.1	Scaffold351	15725	AA	TT	1940446552
SNP_P1_183691_23953	NW_004515851.1	Scaffold351	23953	GG	AA	1940446553
SNP_P1_183692_23970	NW_004515851.1	Scaffold351	23970	CC	TT	1940446554
SNP_P1_183693_24098	NW_004515851.1	Scaffold351	24098	AA	TT	1940446555
SNP_P1_183694_24099	NW_004515851.1	Scaffold351	24099	CC	TT	1940446556
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SNP_P1_183697_24268	NW_004515851.1	Scaffold351	24268	GG	AA	1940446558
SNP_P1_183698_24285	NW_004515851.1	Scaffold351	24285	CC	GG	1940446559
SNP_P1_183699_35094	NW_004515851.1	Scaffold351	35094	GG	AA	1940446560
SNP_P1_183700_35311	NW_004515851.1	Scaffold351	35311	AA	GG	1940446561
SNP_P1_183701_46387	NW_004515851.1	Scaffold351	46387	CC	GG	1940446562
SNP_P1_183703_66533	NW_004515851.1	Scaffold351	66533	GG	AA	1940446563
SNP_P1_183704_67199	NW_004515851.1	Scaffold351	67199	CC	TT	1940446564
SNP_P1_183705_68036	NW_004515851.1	Scaffold351	68036	GG	AA	1940446565
SNP_P1_183706_70946	NW_004515851.1	Scaffold351	70946	TT	GG	1940446566
SNP_P1_183707_84553	NW_004515851.1	Scaffold351	84553	TT	CC	1940446567
SNP_P1_183708_6890	NW_004515852.1	Scaffold352	6890	AA	TT	1940446568
SNP_P1_183709_20885	NW_004515852.1	Scaffold352	20885	GG	AA	1940446569
SNP_P1_183710_20927	NW_004515852.1	Scaffold352	20927	AA	GG	1940446570
SNP_P1_183711_20952	NW_004515852.1	Scaffold352	20952	TT	GG	1940446571
SNP_P1_183712_20958	NW_004515852.1	Scaffold352	20958	AA	GG	1940446572
SNP_P1_183713_21219	NW_004515852.1	Scaffold352	21219	AA	GG	1940446573
SNP_P1_183714_21344	NW_004515852.1	Scaffold352	21344	AA	GG	1940446574
SNP_P1_183715_21391	NW_004515852.1	Scaffold352	21391	AA	CC	1940446575
SNP_P1_183716_22275	NW_004515852.1	Scaffold352	22275	CC	AA	1940446576

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183718_23069	NW_004515852.1	Scaffold352	23069	GG	TT	1940446578
SNP_P1_183719_23106	NW_004515852.1	Scaffold352	23106	TT	CC	1940446579
SNP_P1_183720_23152	NW_004515852.1	Scaffold352	23152	CC	TT	1940446580
SNP_P1_183721_23223	NW_004515852.1	Scaffold352	23223	AA	GG	1940446581
SNP_P1_183722_23238	NW_004515852.1	Scaffold352	23238	GG	AA	1940446582
SNP_P1_183723_23247	NW_004515852.1	Scaffold352	23247	CC	TT	1940446583
SNP_P1_183724_23291	NW_004515852.1	Scaffold352	23291	CC	TT	1940446584
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SNP_P1_183726_23327	NW_004515852.1	Scaffold352	23327	TT	AA	1940446586
SNP_P1_183727_26965	NW_004515852.1	Scaffold352	26965	AA	TT	1940446587
SNP_P1_183728_28315	NW_004515852.1	Scaffold352	28315	CC	TT	1940446588
SNP_P1_183730_33799	NW_004515852.1	Scaffold352	33799	GG	AA	1940446589
SNP_P1_183731_35184	NW_004515852.1	Scaffold352	35184	GG	AA	1940446590
SNP_P1_183732_35193	NW_004515852.1	Scaffold352	35193	AA	GG	1940446591
SNP_P1_183733_35197	NW_004515852.1	Scaffold352	35197	TT	CC	1940446592
SNP_P1_183734_35212	NW_004515852.1	Scaffold352	35212	AA	CC	1940446593
SNP_P1_183735_35229	NW_004515852.1	Scaffold352	35229	GG	AA	1940446594
SNP_P1_183736_35233	NW_004515852.1	Scaffold352	35233	AA	TT	1940446595
SNP_P1_183737_48673	NW_004515852.1	Scaffold352	48673	CC	GG	1940446596
SNP_P1_183738_48759	NW_004515852.1	Scaffold352	48759	GG	AA	1940446597
SNP_P1_183739_48783	NW_004515852.1	Scaffold352	48783	TT	AA	1940446598
SNP_P1_183740_48787	NW_004515852.1	Scaffold352	48787	GG	AA	1940446599
SNP_P1_183741_53683	NW_004515852.1	Scaffold352	53683	TT	GG	1940446600
SNP_P1_183742_53689	NW_004515852.1	Scaffold352	53689	TT	AA	1940446601
SNP_P1_183743_54515	NW_004515852.1	Scaffold352	54515	TT	CC	1940446602
SNP_P1_183744_54815	NW_004515852.1	Scaffold352	54815	GG	AA	1940446603
SNP_P1_183745_54821	NW_004515852.1	Scaffold352	54821	AA	GG	1940446604
SNP_P1_183746_54883	NW_004515852.1	Scaffold352	54883	AA	TT	1940446605
SNP_P1_183747_63811	NW_004515852.1	Scaffold352	63811	TT	CC	1940446606
SNP_P1_183748_72026	NW_004515852.1	Scaffold352	72026	AA	TT	1940446607
SNP_P1_183749_72028	NW_004515852.1	Scaffold352	72028	AA	CC	1940446608
SNP_P1_183750_72035	NW_004515852.1	Scaffold352	72035	AA	TT	1940446609
SNP_P1_183751_72079	NW_004515852.1	Scaffold352	72079	TT	CC	1940446610
SNP_P1_183752_72099	NW_004515852.1	Scaffold352	72099	TT	CC	1940446611
SNP_P1_183753_93604	NW_004515852.1	Scaffold352	93604	GG	AA	1940446612
SNP_P1_183755_105424	NW_004515852.1	Scaffold352	105424	AA	GG	1940446613
SNP_P1_183756_106677	NW_004515852.1	Scaffold352	106677	TT	CC	1940446614
SNP_P1_183757_106684	NW_004515852.1	Scaffold352	106684	GG	TT	1940446615
SNP_P1_183758_106685	NW_004515852.1	Scaffold352	106685	GG	CC	1940446616
SNP_P1_183759_106702	NW_004515852.1	Scaffold352	106702	GG	TT	1940446617
SNP_P1_183760_106721	NW_004515852.1	Scaffold352	106721	TT	GG	1940446618

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183762_106775	NW_004515852.1	Scaffold352	106775	GG	TT	1940446620
SNP_P1_183763_106820	NW_004515852.1	Scaffold352	106820	AA	GG	1940446621
SNP_P1_183764_106832	NW_004515852.1	Scaffold352	106832	CC	GG	1940446622
SNP_P1_183765_106833	NW_004515852.1	Scaffold352	106833	TT	AA	1940446623
SNP_P1_183766_106862	NW_004515852.1	Scaffold352	106862	AA	GG	1940446624
SNP_P1_183767_107908	NW_004515852.1	Scaffold352	107908	CC	TT	1940446625
SNP_P1_183768_109087	NW_004515852.1	Scaffold352	109087	AA	TT	1940446626
SNP_P1_183769_112027	NW_004515852.1	Scaffold352	112027	AA	GG	1940446627
SNP_P1_183770_121103	NW_004515852.1	Scaffold352	121103	GG	CC	1940446628
SNP_P1_183771_133447	NW_004515852.1	Scaffold352	133447	TT	AA	1940446629
SNP_P1_183772_133603	NW_004515852.1	Scaffold352	133603	GG	CC	1940446630
SNP_P1_183773_133606	NW_004515852.1	Scaffold352	133606	GG	AA	1940446631
SNP_P1_183774_134914	NW_004515852.1	Scaffold352	134914	AA	GG	1940446632
SNP_P1_183775_135144	NW_004515852.1	Scaffold352	135144	CC	AA	1940446633
SNP_P1_183776_135316	NW_004515852.1	Scaffold352	135316	AA	GG	1940446634
SNP_P1_183778_148978	NW_004515852.1	Scaffold352	148978	CC	AA	1940446635
SNP_P1_183779_154136	NW_004515852.1	Scaffold352	154136	CC	TT	1940446636
SNP_P1_183780_154914	NW_004515852.1	Scaffold352	154914	TT	CC	1940446637
SNP_P1_183781_154922	NW_004515852.1	Scaffold352	154922	GG	AA	1940446638
SNP_P1_183782_154932	NW_004515852.1	Scaffold352	154932	AA	GG	1940446639
SNP_P1_183783_155174	NW_004515852.1	Scaffold352	155174	TT	CC	1940446640
SNP_P1_183784_172571	NW_004515852.1	Scaffold352	172571	AA	CC	1940446641
SNP_P1_183785_172628	NW_004515852.1	Scaffold352	172628	GG	CC	1940446642
SNP_P1_183786_172637	NW_004515852.1	Scaffold352	172637	CC	TT	1940446643
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SNP_P1_183788_173048	NW_004515852.1	Scaffold352	173048	TT	GG	1940446645
SNP_P1_183789_173059	NW_004515852.1	Scaffold352	173059	CC	TT	1940446646
SNP_P1_183790_174544	NW_004515852.1	Scaffold352	174544	AA	GG	1940446647
SNP_P1_183791_174548	NW_004515852.1	Scaffold352	174548	CC	GG	1940446648
SNP_P1_183792_174549	NW_004515852.1	Scaffold352	174549	GG	AA	1940446649
SNP_P1_183793_177507	NW_004515852.1	Scaffold352	177507	GG	AA	1940446650
SNP_P1_183794_177578	NW_004515852.1	Scaffold352	177578	CC	TT	1940446651
SNP_P1_183795_177643	NW_004515852.1	Scaffold352	177643	TT	CC	1940446652
SNP_P1_183796_177875	NW_004515852.1	Scaffold352	177875	AA	GG	1940446653
SNP_P1_183797_177908	NW_004515852.1	Scaffold352	177908	CC	TT	1940446654
SNP_P1_183798_177951	NW_004515852.1	Scaffold352	177951	CC	TT	1940446655
SNP_P1_183801_178017	NW_004515852.1	Scaffold352	178017	AA	TT	1940446656
SNP_P1_183802_178129	NW_004515852.1	Scaffold352	178129	AA	GG	1940446657
SNP_P1_183803_178191	NW_004515852.1	Scaffold352	178191	CC	GG	1940446658
SNP_P1_183804_178247	NW_004515852.1	Scaffold352	178247	GG	CC	1940446659
SNP_P1_183805_178351	NW_004515852.1	Scaffold352	178351	TT	GG	1940446660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183807_178478	NW_004515852.1	Scaffold352	178478	CC	GG	1940446662
SNP_P1_183809_178720	NW_004515852.1	Scaffold352	178720	GG	CC	1940446663
SNP_P1_183810_178739	NW_004515852.1	Scaffold352	178739	GG	CC	1940446664
SNP_P1_183811_179013	NW_004515852.1	Scaffold352	179013	TT	CC	1940446665
SNP_P1_183812_182939	NW_004515852.1	Scaffold352	182939	TT	AA	1940446666
SNP_P1_183813_182950	NW_004515852.1	Scaffold352	182950	AA	TT	1940446667
SNP_P1_183814_183326	NW_004515852.1	Scaffold352	183326	TT	CC	1940446668
SNP_P1_183815_183345	NW_004515852.1	Scaffold352	183345	GG	AA	1940446669
SNP_P1_183816_188959	NW_004515852.1	Scaffold352	188959	GG	TT	1940446670
SNP_P1_183817_189172	NW_004515852.1	Scaffold352	189172	CC	AA	1940446671
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SNP_P1_183819_189448	NW_004515852.1	Scaffold352	189448	CC	TT	1940446673
SNP_P1_183820_189478	NW_004515852.1	Scaffold352	189478	AA	CC	1940446674
SNP_P1_183821_189492	NW_004515852.1	Scaffold352	189492	CC	TT	1940446675
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SNP_P1_183824_191539	NW_004515852.1	Scaffold352	191539	GG	AA	1940446679
SNP_P1_183825_191678	NW_004515852.1	Scaffold352	191678	GG	AA	1940446680
SNP_P1_183826_191709	NW_004515852.1	Scaffold352	191709	AA	GG	1940446681
SNP_P1_183827_191887	NW_004515852.1	Scaffold352	191887	GG	AA	1940446682
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SNP_P1_183832_194023	NW_004515852.1	Scaffold352	194023	GG	AA	1940446686
SNP_P1_183833_194038	NW_004515852.1	Scaffold352	194038	AA	TT	1940446687
SNP_P1_183835_194338	NW_004515852.1	Scaffold352	194338	AA	TT	1940446688
SNP_P1_183836_194412	NW_004515852.1	Scaffold352	194412	TT	AA	1940446689
SNP_P1_183837_194472	NW_004515852.1	Scaffold352	194472	CC	TT	1940446690
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SNP_P1_183839_194555	NW_004515852.1	Scaffold352	194555	CC	TT	1940446692
SNP_P1_183842_6827	NW_004515853.1	Scaffold353	6827	TT	CC	1940446693
SNP_P1_183843_19375	NW_004515853.1	Scaffold353	19375	TT	AA	1940446694
SNP_P1_183844_19381	NW_004515853.1	Scaffold353	19381	GG	AA	1940446695
SNP_P1_183845_19408	NW_004515853.1	Scaffold353	19408	CC	TT	1940446696
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SNP_P1_183847_19918	NW_004515853.1	Scaffold353	19918	AA	GG	1940446698
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SNP_P1_183850_28215	NW_004515853.1	Scaffold353	28215	GG	CC	1940446701
SNP_P1_183851_28347	NW_004515853.1	Scaffold353	28347	AA	GG	1940446702
SNP_P1_183852_28481	NW_004515853.1	Scaffold353	28481	AA	GG	1940446703

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183855_28516	NW_004515853.1	Scaffold353	28516	GG	AA	1940446706
SNP_P1_183856_28541	NW_004515853.1	Scaffold353	28541	GG	AA	1940446707
SNP_P1_183857_30803	NW_004515853.1	Scaffold353	30803	AA	GG	1940446708
SNP_P1_183858_31113	NW_004515853.1	Scaffold353	31113	AA	GG	1940446709
SNP_P1_183859_31155	NW_004515853.1	Scaffold353	31155	AA	GG	1940446710
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SNP_P1_183863_59108	NW_004515853.1	Scaffold353	59108	GG	TT	1940446713
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SNP_P1_183865_59111	NW_004515853.1	Scaffold353	59111	TT	CC	1940446715
SNP_P1_183866_59153	NW_004515853.1	Scaffold353	59153	TT	CC	1940446716
SNP_P1_183867_59182	NW_004515853.1	Scaffold353	59182	GG	AA	1940446717
SNP_P1_183868_59413	NW_004515853.1	Scaffold353	59413	TT	CC	1940446718
SNP_P1_183869_59414	NW_004515853.1	Scaffold353	59414	AA	CC	1940446719
SNP_P1_183870_59415	NW_004515853.1	Scaffold353	59415	CC	AA	1940446720
SNP_P1_183871_59937	NW_004515853.1	Scaffold353	59937	GG	TT	1940446721
SNP_P1_183872_59945	NW_004515853.1	Scaffold353	59945	GG	TT	1940446722
SNP_P1_183873_59949	NW_004515853.1	Scaffold353	59949	TT	AA	1940446723
SNP_P1_183874_59972	NW_004515853.1	Scaffold353	59972	AA	GG	1940446724
SNP_P1_183875_60036	NW_004515853.1	Scaffold353	60036	AA	GG	1940446725
SNP_P1_183876_821	NW_004515855.1	Scaffold355	821	TT	GG	1940446726
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SNP_P1_183878_825	NW_004515855.1	Scaffold355	825	TT	GG	1940446728
SNP_P1_183879_999	NW_004515855.1	Scaffold355	999	AA	CC	1940446729
SNP_P1_183880_1055	NW_004515855.1	Scaffold355	1055	GG	AA	1940446730
SNP_P1_183883_1433	NW_004515855.1	Scaffold355	1433	CC	TT	1940446731
SNP_P1_183884_1446	NW_004515855.1	Scaffold355	1446	GG	AA	1940446732
SNP_P1_183885_2145	NW_004515855.1	Scaffold355	2145	TT	GG	1940446733
SNP_P1_183887_2554	NW_004515855.1	Scaffold355	2554	AA	TT	1940446734
SNP_P1_183888_7972	NW_004515855.1	Scaffold355	7972	AA	GG	1940446735
SNP_P1_183889_7981	NW_004515855.1	Scaffold355	7981	TT	AA	1940446736
SNP_P1_183890_7985	NW_004515855.1	Scaffold355	7985	CC	AA	1940446737
SNP_P1_183891_8907	NW_004515855.1	Scaffold355	8907	GG	AA	1940446738
SNP_P1_183892_15722	NW_004515855.1	Scaffold355	15722	TT	AA	1940446739
SNP_P1_183893_15759	NW_004515855.1	Scaffold355	15759	CC	AA	1940446740
SNP_P1_183894_16013	NW_004515855.1	Scaffold355	16013	AA	CC	1940446741
SNP_P1_183895_16039	NW_004515855.1	Scaffold355	16039	CC	TT	1940446742
SNP_P1_183896_16048	NW_004515855.1	Scaffold355	16048	AA	TT	1940446743
SNP_P1_183897_16082	NW_004515855.1	Scaffold355	16082	TT	CC	1940446744
SNP_P1_183898_16875	NW_004515855.1	Scaffold355	16875	CC	TT	1940446745

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183900_26887	NW_004515855.1	Scaffold355	26887	TT	CC	1940446747
SNP_P1_183902_28959	NW_004515855.1	Scaffold355	28959	TT	AA	1940446748
SNP_P1_183903_31886	NW_004515855.1	Scaffold355	31886	CC	AA	1940446749
SNP_P1_183904_32010	NW_004515855.1	Scaffold355	32010	TT	CC	1940446750
SNP_P1_183905_32274	NW_004515855.1	Scaffold355	32274	TT	GG	1940446751
SNP_P1_183906_44171	NW_004515855.1	Scaffold355	44171	AA	GG	1940446752
SNP_P1_183907_44584	NW_004515855.1	Scaffold355	44584	AA	GG	1940446753
SNP_P1_183908_44585	NW_004515855.1	Scaffold355	44585	AA	GG	1940446754
SNP_P1_183909_44606	NW_004515855.1	Scaffold355	44606	CC	AA	1940446755
SNP_P1_183910_44784	NW_004515855.1	Scaffold355	44784	AA	TT	1940446756
SNP_P1_183911_44818	NW_004515855.1	Scaffold355	44818	TT	CC	1940446757
SNP_P1_183912_51979	NW_004515855.1	Scaffold355	51979	TT	CC	1940446758
SNP_P1_183913_59206	NW_004515855.1	Scaffold355	59206	TT	GG	1940446759
SNP_P1_183914_59208	NW_004515855.1	Scaffold355	59208	TT	CC	1940446760
SNP_P1_183915_59253	NW_004515855.1	Scaffold355	59253	AA	GG	1940446761
SNP_P1_183916_60205	NW_004515855.1	Scaffold355	60205	TT	CC	1940446762
SNP_P1_183917_61899	NW_004515855.1	Scaffold355	61899	GG	AA	1940446763
SNP_P1_183918_66635	NW_004515855.1	Scaffold355	66635	GG	TT	1940446764
SNP_P1_183919_67596	NW_004515855.1	Scaffold355	67596	TT	AA	1940446765
SNP_P1_183920_75675	NW_004515855.1	Scaffold355	75675	TT	CC	1940446766
SNP_P1_183922_86523	NW_004515855.1	Scaffold355	86523	CC	TT	1940446767
SNP_P1_183923_86555	NW_004515855.1	Scaffold355	86555	TT	CC	1940446768
SNP_P1_183924_86567	NW_004515855.1	Scaffold355	86567	AA	GG	1940446769
SNP_P1_183925_86570	NW_004515855.1	Scaffold355	86570	CC	GG	1940446770
SNP_P1_183926_86659	NW_004515855.1	Scaffold355	86659	AA	CC	1940446771
SNP_P1_183927_86698	NW_004515855.1	Scaffold355	86698	TT	CC	1940446772
SNP_P1_183928_86724	NW_004515855.1	Scaffold355	86724	AA	GG	1940446773
SNP_P1_183929_86899	NW_004515855.1	Scaffold355	86899	AA	CC	1940446774
SNP_P1_183930_87056	NW_004515855.1	Scaffold355	87056	TT	AA	1940446775
SNP_P1_183931_88179	NW_004515855.1	Scaffold355	88179	GG	TT	1940446776
SNP_P1_183932_88592	NW_004515855.1	Scaffold355	88592	CC	AA	1940446777
SNP_P1_183933_88609	NW_004515855.1	Scaffold355	88609	AA	GG	1940446778
SNP_P1_183934_88619	NW_004515855.1	Scaffold355	88619	TT	CC	1940446779
SNP_P1_183935_88620	NW_004515855.1	Scaffold355	88620	CC	TT	1940446780
SNP_P1_183936_88630	NW_004515855.1	Scaffold355	88630	CC	GG	1940446781
SNP_P1_183937_88647	NW_004515855.1	Scaffold355	88647	TT	CC	1940446782
SNP_P1_183938_88694	NW_004515855.1	Scaffold355	88694	AA	GG	1940446783
SNP_P1_183939_90908	NW_004515855.1	Scaffold355	90908	CC	TT	1940446784
SNP_P1_183940_307	NW_004515856.1	Scaffold357	307	AA	GG	1940446785
SNP_P1_183942_1287	NW_004515856.1	Scaffold357	1287	CC	GG	1940446786
SNP_P1_183943_1327	NW_004515856.1	Scaffold357	1327	AA	GG	1940446787

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183945_1651	NW_004515856.1	Scaffold357	1651	CC	AA	1940446789
SNP_P1_183946_1656	NW_004515856.1	Scaffold357	1656	CC	GG	1940446790
SNP_P1_183947_1661	NW_004515856.1	Scaffold357	1661	CC	AA	1940446791
SNP_P1_183948_1712	NW_004515856.1	Scaffold357	1712	AA	TT	1940446792
SNP_P1_183949_1763	NW_004515856.1	Scaffold357	1763	AA	TT	1940446793
SNP_P1_183950_1854	NW_004515856.1	Scaffold357	1854	GG	AA	1940446794
SNP_P1_183951_1860	NW_004515856.1	Scaffold357	1860	TT	GG	1940446795
SNP_P1_183952_1885	NW_004515856.1	Scaffold357	1885	AA	GG	1940446796
SNP_P1_183953_1910	NW_004515856.1	Scaffold357	1910	AA	CC	1940446797
SNP_P1_183954_1963	NW_004515856.1	Scaffold357	1963	TT	AA	1940446798
SNP_P1_183955_13845	NW_004515858.1	Scaffold362	13845	AA	CC	1940446799
SNP_P1_183956_14127	NW_004515858.1	Scaffold362	14127	GG	AA	1940446800
SNP_P1_183957_14128	NW_004515858.1	Scaffold362	14128	AA	GG	1940446801
SNP_P1_183958_14159	NW_004515858.1	Scaffold362	14159	TT	CC	1940446802
SNP_P1_183959_14187	NW_004515858.1	Scaffold362	14187	AA	GG	1940446803
SNP_P1_183960_14811	NW_004515858.1	Scaffold362	14811	AA	GG	1940446804
SNP_P1_183961_15088	NW_004515858.1	Scaffold362	15088	TT	CC	1940446805
SNP_P1_183962_15497	NW_004515858.1	Scaffold362	15497	AA	GG	1940446806
SNP_P1_183963_15577	NW_004515858.1	Scaffold362	15577	AA	GG	1940446807
SNP_P1_183964_15600	NW_004515858.1	Scaffold362	15600	CC	AA	1940446808
SNP_P1_183965_18306	NW_004515858.1	Scaffold362	18306	TT	CC	1940446809
SNP_P1_183966_18312	NW_004515858.1	Scaffold362	18312	GG	CC	1940446810
SNP_P1_183967_18341	NW_004515858.1	Scaffold362	18341	TT	CC	1940446811
SNP_P1_183968_18565	NW_004515858.1	Scaffold362	18565	CC	AA	1940446812
SNP_P1_183969_18608	NW_004515858.1	Scaffold362	18608	GG	AA	1940446813
SNP_P1_183970_20239	NW_004515858.1	Scaffold362	20239	GG	AA	1940446814
SNP_P1_183971_28677	NW_004515858.1	Scaffold362	28677	AA	TT	1940446815
SNP_P1_183974_59878	NW_004515858.1	Scaffold362	59878	AA	TT	1940446816
SNP_P1_183975_65834	NW_004515858.1	Scaffold362	65834	AA	CC	1940446817
SNP_P1_183976_80535	NW_004515858.1	Scaffold362	80535	CC	TT	1940446818
SNP_P1_183977_80662	NW_004515858.1	Scaffold362	80662	TT	CC	1940446819
SNP_P1_183978_80714	NW_004515858.1	Scaffold362	80714	TT	CC	1940446820
SNP_P1_183979_80883	NW_004515858.1	Scaffold362	80883	GG	AA	1940446821
SNP_P1_183980_80911	NW_004515858.1	Scaffold362	80911	AA	GG	1940446823
SNP_P1_183981_80924	NW_004515858.1	Scaffold362	80924	TT	AA	1940446824
SNP_P1_183982_80977	NW_004515858.1	Scaffold362	80977	GG	TT	1940446825
SNP_P1_183983_80978	NW_004515858.1	Scaffold362	80978	GG	CC	1940446826
SNP_P1_183984_81003	NW_004515858.1	Scaffold362	81003	CC	TT	1940446827
SNP_P1_183985_81024	NW_004515858.1	Scaffold362	81024	CC	TT	1940446828
SNP_P1_183986_81057	NW_004515858.1	Scaffold362	81057	CC	AA	1940446829
SNP_P1_183987_81070	NW_004515858.1	Scaffold362	81070	AA	GG	1940446830

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_183989_81104	NW_004515858.1	Scaffold362	81104	AA	CC	1940446832
SNP_P1_183990_84382	NW_004515858.1	Scaffold362	84382	CC	AA	1940446833
SNP_P1_183991_88808	NW_004515858.1	Scaffold362	88808	CC	AA	1940446834
SNP_P1_183992_88826	NW_004515858.1	Scaffold362	88826	TT	CC	1940446835
SNP_P1_183993_88827	NW_004515858.1	Scaffold362	88827	GG	AA	1940446836
SNP_P1_183995_122848	NW_004515858.1	Scaffold362	122848	GG	CC	1940446837
SNP_P1_183996_131348	NW_004515858.1	Scaffold362	131348	CC	AA	1940446838
SNP_P1_183997_131608	NW_004515858.1	Scaffold362	131608	TT	AA	1940446839
SNP_P1_183998_132082	NW_004515858.1	Scaffold362	132082	GG	AA	1940446840
SNP_P1_184000_148939	NW_004515858.1	Scaffold362	148939	CC	TT	1940446841
SNP_P1_184001_149231	NW_004515858.1	Scaffold362	149231	AA	CC	1940446842
SNP_P1_184002_149255	NW_004515858.1	Scaffold362	149255	AA	TT	1940446843
SNP_P1_184003_149259	NW_004515858.1	Scaffold362	149259	GG	TT	1940446844
SNP_P1_184004_149311	NW_004515858.1	Scaffold362	149311	TT	AA	1940446845
SNP_P1_184005_163844	NW_004515858.1	Scaffold362	163844	AA	GG	1940446846
SNP_P1_184006_166063	NW_004515858.1	Scaffold362	166063	CC	AA	1940446847
SNP_P1_184007_166243	NW_004515858.1	Scaffold362	166243	TT	AA	1940446848
SNP_P1_184008_166319	NW_004515858.1	Scaffold362	166319	TT	GG	1940446849
SNP_P1_184009_166399	NW_004515858.1	Scaffold362	166399	GG	TT	1940446850
SNP_P1_184011_166457	NW_004515858.1	Scaffold362	166457	AA	GG	1940446851
SNP_P1_184012_166535	NW_004515858.1	Scaffold362	166535	CC	AA	1940446852
SNP_P1_184013_166584	NW_004515858.1	Scaffold362	166584	TT	AA	1940446853
SNP_P1_184014_166636	NW_004515858.1	Scaffold362	166636	AA	GG	1940446854
SNP_P1_184015_177939	NW_004515858.1	Scaffold362	177939	AA	GG	1940446855
SNP_P1_184016_180022	NW_004515858.1	Scaffold362	180022	TT	CC	1940446856
SNP_P1_184017_195781	NW_004515858.1	Scaffold362	195781	AA	GG	1940446857
SNP_P1_184018_196048	NW_004515858.1	Scaffold362	196048	CC	TT	1940446858
SNP_P1_184019_196403	NW_004515858.1	Scaffold362	196403	GG	AA	1940446859
SNP_P1_184020_196456	NW_004515858.1	Scaffold362	196456	AA	GG	1940446860
SNP_P1_184021_196473	NW_004515858.1	Scaffold362	196473	TT	GG	1940446861
SNP_P1_184022_203011	NW_004515858.1	Scaffold362	203011	AA	GG	1940446862
SNP_P1_184023_219704	NW_004515858.1	Scaffold362	219704	TT	GG	1940446863
SNP_P1_184024_219708	NW_004515858.1	Scaffold362	219708	AA	TT	1940446864
SNP_P1_184025_223502	NW_004515858.1	Scaffold362	223502	AA	GG	1940446865
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SNP_P1_184028_256330	NW_004515858.1	Scaffold362	256330	GG	CC	1940446867
SNP_P1_184029_261416	NW_004515858.1	Scaffold362	261416	CC	TT	1940446868
SNP_P1_184030_261423	NW_004515858.1	Scaffold362	261423	GG	TT	1940446869
SNP_P1_184031_261435	NW_004515858.1	Scaffold362	261435	GG	TT	1940446870
SNP_P1_184032_263891	NW_004515858.1	Scaffold362	263891	CC	AA	1940446871
SNP_P1_184033_263992	NW_004515858.1	Scaffold362	263992	AA	GG	1940446872

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184037_267610	NW_004515858.1	Scaffold362	267610	CC	AA	1940446875
SNP_P1_184038_269862	NW_004515858.1	Scaffold362	269862	GG	AA	1940446876
SNP_P1_184040_295435	NW_004515858.1	Scaffold362	295435	GG	AA	1940446877
SNP_P1_184041_299794	NW_004515858.1	Scaffold362	299794	CC	AA	1940446878
SNP_P1_184042_315177	NW_004515858.1	Scaffold362	315177	TT	AA	1940446879
SNP_P1_184043_321068	NW_004515858.1	Scaffold362	321068	AA	TT	1940446880
SNP_P1_184044_329055	NW_004515858.1	Scaffold362	329055	TT	GG	1940446881
SNP_P1_184045_342324	NW_004515858.1	Scaffold362	342324	GG	AA	1940446882
SNP_P1_184046_349187	NW_004515858.1	Scaffold362	349187	TT	CC	1940446883
SNP_P1_184047_350546	NW_004515858.1	Scaffold362	350546	AA	GG	1940446884
SNP_P1_184049_364702	NW_004515858.1	Scaffold362	364702	CC	AA	1940446885
SNP_P1_184050_364717	NW_004515858.1	Scaffold362	364717	CC	TT	1940446886
SNP_P1_184051_364718	NW_004515858.1	Scaffold362	364718	TT	CC	1940446887
SNP_P1_184052_364745	NW_004515858.1	Scaffold362	364745	CC	TT	1940446888
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SNP_P1_184054_366001	NW_004515858.1	Scaffold362	366001	GG	TT	1940446890
SNP_P1_184055_374761	NW_004515858.1	Scaffold362	374761	GG	TT	1940446891
SNP_P1_184057_392125	NW_004515858.1	Scaffold362	392125	TT	CC	1940446892
SNP_P1_184058_257	NW_004515859.1	Scaffold363	257	TT	CC	1940446893
SNP_P1_184059_334	NW_004515859.1	Scaffold363	334	CC	GG	1940446894
SNP_P1_184060_368	NW_004515859.1	Scaffold363	368	GG	AA	1940446895
SNP_P1_184061_628	NW_004515859.1	Scaffold363	628	AA	GG	1940446896
SNP_P1_184062_724	NW_004515859.1	Scaffold363	724	GG	TT	1940446897
SNP_P1_184063_734	NW_004515859.1	Scaffold363	734	CC	TT	1940446898
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SNP_P1_184071_85727	NW_004515859.1	Scaffold363	85727	CC	GG	1940446902
SNP_P1_184072_85772	NW_004515859.1	Scaffold363	85772	AA	GG	1940446903
SNP_P1_184073_85864	NW_004515859.1	Scaffold363	85864	TT	GG	1940446904
SNP_P1_184074_85944	NW_004515859.1	Scaffold363	85944	TT	CC	1940446905
SNP_P1_184075_96420	NW_004515859.1	Scaffold363	96420	TT	CC	1940446906
SNP_P1_184076_96421	NW_004515859.1	Scaffold363	96421	GG	TT	1940446907
SNP_P1_184077_96455	NW_004515859.1	Scaffold363	96455	AA	GG	1940446908
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SNP_P1_184082_96560	NW_004515859.1	Scaffold363	96560	GG	AA	1940446913
SNP_P1_184083_96561	NW_004515859.1	Scaffold363	96561	CC	TT	1940446914

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184086_96583	NW_004515859.1	Scaffold363	96583	CC	TT	1940446917
SNP_P1_184087_96587	NW_004515859.1	Scaffold363	96587	AA	GG	1940446918
SNP_P1_184088_96602	NW_004515859.1	Scaffold363	96602	TT	AA	1940446919
SNP_P1_184091_96730	NW_004515859.1	Scaffold363	96730	GG	AA	1940446920
SNP_P1_184092_96768	NW_004515859.1	Scaffold363	96768	TT	CC	1940446921
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SNP_P1_184094_96900	NW_004515859.1	Scaffold363	96900	TT	GG	1940446923
SNP_P1_184095_96909	NW_004515859.1	Scaffold363	96909	CC	TT	1940446924
SNP_P1_184096_96914	NW_004515859.1	Scaffold363	96914	CC	TT	1940446925
SNP_P1_184097_96919	NW_004515859.1	Scaffold363	96919	TT	CC	1940446926
SNP_P1_184098_26773	NW_004515861.1	Scaffold366	26773	AA	GG	1940446927
SNP_P1_184099_31702	NW_004515861.1	Scaffold366	31702	GG	AA	1940446928
SNP_P1_184100_34201	NW_004515861.1	Scaffold366	34201	AA	GG	1940446929
SNP_P1_184101_34322	NW_004515861.1	Scaffold366	34322	AA	GG	1940446930
SNP_P1_184102_34405	NW_004515861.1	Scaffold366	34405	GG	AA	1940446931
SNP_P1_184103_47480	NW_004515861.1	Scaffold366	47480	AA	GG	1940446932
SNP_P1_184104_68167	NW_004515861.1	Scaffold366	68167	GG	AA	1940446933
SNP_P1_184105_68468	NW_004515861.1	Scaffold366	68468	TT	CC	1940446934
SNP_P1_184106_68533	NW_004515861.1	Scaffold366	68533	AA	GG	1940446935
SNP_P1_184108_70801	NW_004515861.1	Scaffold366	70801	AA	CC	1940446936
SNP_P1_184109_71242	NW_004515861.1	Scaffold366	71242	AA	GG	1940446937
SNP_P1_184110_104335	NW_004515861.1	Scaffold366	104335	AA	GG	1940446938
SNP_P1_184111_107525	NW_004515861.1	Scaffold366	107525	CC	TT	1940446939
SNP_P1_184112_107629	NW_004515861.1	Scaffold366	107629	AA	GG	1940446940
SNP_P1_184113_107639	NW_004515861.1	Scaffold366	107639	CC	GG	1940446941
SNP_P1_184114_107946	NW_004515861.1	Scaffold366	107946	GG	TT	1940446942
SNP_P1_184115_108079	NW_004515861.1	Scaffold366	108079	CC	TT	1940446943
SNP_P1_184116_108082	NW_004515861.1	Scaffold366	108082	GG	AA	1940446944
SNP_P1_184117_121356	NW_004515861.1	Scaffold366	121356	TT	CC	1940446945
SNP_P1_184118_139164	NW_004515861.1	Scaffold366	139164	GG	AA	1940446946
SNP_P1_184120_156016	NW_004515861.1	Scaffold366	156016	CC	TT	1940446947
SNP_P1_184121_156023	NW_004515861.1	Scaffold366	156023	AA	TT	1940446948
SNP_P1_184122_156163	NW_004515861.1	Scaffold366	156163	TT	CC	1940446949
SNP_P1_184123_156167	NW_004515861.1	Scaffold366	156167	GG	AA	1940446950
SNP_P1_184124_156359	NW_004515861.1	Scaffold366	156359	CC	AA	1940446951
SNP_P1_184125_168379	NW_004515861.1	Scaffold366	168379	CC	AA	1940446952
SNP_P1_184126_2644	NW_004515862.1	Scaffold367	2644	TT	CC	1940446953
SNP_P1_184127_5456	NW_004515862.1	Scaffold367	5456	CC	TT	1940446954
SNP_P1_184129_6667	NW_004515862.1	Scaffold367	6667	TT	AA	1940446955
SNP_P1_184130_6698	NW_004515862.1	Scaffold367	6698	GG	TT	1940446956

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184132_6737	NW_004515862.1	Scaffold367	6737	TT	GG	1940446958
SNP_P1_184133_12273	NW_004515862.1	Scaffold367	12273	AA	TT	1940446959
SNP_P1_184134_12708	NW_004515862.1	Scaffold367	12708	CC	AA	1940446960
SNP_P1_184135_15290	NW_004515862.1	Scaffold367	15290	AA	TT	1940446961
SNP_P1_184138_19728	NW_004515862.1	Scaffold367	19728	CC	TT	1940446962
SNP_P1_184139_20090	NW_004515862.1	Scaffold367	20090	TT	CC	1940446963
SNP_P1_184140_20095	NW_004515862.1	Scaffold367	20095	TT	CC	1940446964
SNP_P1_184141_20110	NW_004515862.1	Scaffold367	20110	GG	AA	1940446965
SNP_P1_184142_20205	NW_004515862.1	Scaffold367	20205	TT	AA	1940446966
SNP_P1_184143_20215	NW_004515862.1	Scaffold367	20215	CC	AA	1940446967
SNP_P1_184144_24636	NW_004515862.1	Scaffold367	24636	AA	GG	1940446968
SNP_P1_184145_24851	NW_004515862.1	Scaffold367	24851	TT	GG	1940446969
SNP_P1_184146_25061	NW_004515862.1	Scaffold367	25061	TT	CC	1940446970
SNP_P1_184147_25112	NW_004515862.1	Scaffold367	25112	TT	CC	1940446971
SNP_P1_184148_25126	NW_004515862.1	Scaffold367	25126	TT	AA	1940446972
SNP_P1_184149_25200	NW_004515862.1	Scaffold367	25200	TT	CC	1940446974
SNP_P1_184150_25222	NW_004515862.1	Scaffold367	25222	TT	CC	1940446975
SNP_P1_184151_34550	NW_004515862.1	Scaffold367	34550	CC	TT	1940446976
SNP_P1_184152_34559	NW_004515862.1	Scaffold367	34559	CC	TT	1940446977
SNP_P1_184153_36468	NW_004515862.1	Scaffold367	36468	AA	GG	1940446978
SNP_P1_184154_44278	NW_004515862.1	Scaffold367	44278	AA	GG	1940446979
SNP_P1_184155_45300	NW_004515862.1	Scaffold367	45300	AA	GG	1940446980
SNP_P1_184156_45307	NW_004515862.1	Scaffold367	45307	CC	AA	1940446981
SNP_P1_184157_45403	NW_004515862.1	Scaffold367	45403	TT	GG	1940446982
SNP_P1_184158_45413	NW_004515862.1	Scaffold367	45413	AA	GG	1940446983
SNP_P1_184159_51407	NW_004515862.1	Scaffold367	51407	CC	TT	1940446984
SNP_P1_184160_51439	NW_004515862.1	Scaffold367	51439	TT	GG	1940446985
SNP_P1_184161_51452	NW_004515862.1	Scaffold367	51452	AA	CC	1940446986
SNP_P1_184162_51465	NW_004515862.1	Scaffold367	51465	GG	AA	1940446987
SNP_P1_184163_51474	NW_004515862.1	Scaffold367	51474	GG	TT	1940446988
SNP_P1_184164_51493	NW_004515862.1	Scaffold367	51493	CC	TT	1940446989
SNP_P1_184165_51519	NW_004515862.1	Scaffold367	51519	CC	TT	1940446990
SNP_P1_184166_51552	NW_004515862.1	Scaffold367	51552	TT	AA	1940446991
SNP_P1_184167_51565	NW_004515862.1	Scaffold367	51565	GG	CC	1940446992
SNP_P1_184168_51567	NW_004515862.1	Scaffold367	51567	GG	AA	1940446993
SNP_P1_184169_51613	NW_004515862.1	Scaffold367	51613	TT	CC	1940446994
SNP_P1_184170_51651	NW_004515862.1	Scaffold367	51651	TT	CC	1940446995
SNP_P1_184171_52450	NW_004515862.1	Scaffold367	52450	AA	GG	1940446996
SNP_P1_184172_52463	NW_004515862.1	Scaffold367	52463	GG	AA	1940446997
SNP_P1_184173_52497	NW_004515862.1	Scaffold367	52497	TT	AA	1940446998
SNP_P1_184174_52539	NW_004515862.1	Scaffold367	52539	GG	CC	1940446999

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184176_55744	NW_004515862.1	Scaffold367	55744	AA	CC	1940447001
SNP_P1_184177_55811	NW_004515862.1	Scaffold367	55811	TT	CC	1940447002
SNP_P1_184178_61872	NW_004515862.1	Scaffold367	61872	CC	TT	1940447003
SNP_P1_184179_62128	NW_004515862.1	Scaffold367	62128	AA	GG	1940447004
SNP_P1_184180_67223	NW_004515862.1	Scaffold367	67223	CC	TT	1940447005
SNP_P1_184181_67713	NW_004515862.1	Scaffold367	67713	AA	GG	1940447006
SNP_P1_184182_72114	NW_004515862.1	Scaffold367	72114	AA	GG	1940447007
SNP_P1_184183_72151	NW_004515862.1	Scaffold367	72151	AA	TT	1940447008
SNP_P1_184184_72175	NW_004515862.1	Scaffold367	72175	CC	GG	1940447009
SNP_P1_184185_72195	NW_004515862.1	Scaffold367	72195	AA	CC	1940447010
SNP_P1_184186_72278	NW_004515862.1	Scaffold367	72278	AA	GG	1940447011
SNP_P1_184187_72284	NW_004515862.1	Scaffold367	72284	TT	CC	1940447012
SNP_P1_184188_72306	NW_004515862.1	Scaffold367	72306	TT	CC	1940447013
SNP_P1_184189_72307	NW_004515862.1	Scaffold367	72307	GG	AA	1940447014
SNP_P1_184190_78837	NW_004515862.1	Scaffold367	78837	TT	CC	1940447015
SNP_P1_184191_78849	NW_004515862.1	Scaffold367	78849	CC	GG	1940447016
SNP_P1_184192_78854	NW_004515862.1	Scaffold367	78854	AA	TT	1940447017
SNP_P1_184193_79012	NW_004515862.1	Scaffold367	79012	GG	AA	1940447018
SNP_P1_184194_79302	NW_004515862.1	Scaffold367	79302	AA	GG	1940447019
SNP_P1_184195_79352	NW_004515862.1	Scaffold367	79352	AA	GG	1940447020
SNP_P1_184196_79378	NW_004515862.1	Scaffold367	79378	TT	CC	1940447021
SNP_P1_184197_79380	NW_004515862.1	Scaffold367	79380	CC	AA	1940447022
SNP_P1_184198_82143	NW_004515862.1	Scaffold367	82143	AA	TT	1940447023
SNP_P1_184199_82146	NW_004515862.1	Scaffold367	82146	TT	CC	1940447024
SNP_P1_184200_89728	NW_004515862.1	Scaffold367	89728	AA	GG	1940447025
SNP_P1_184201_89733	NW_004515862.1	Scaffold367	89733	AA	GG	1940447026
SNP_P1_184202_89791	NW_004515862.1	Scaffold367	89791	GG	AA	1940447027
SNP_P1_184203_92781	NW_004515862.1	Scaffold367	92781	CC	TT	1940447028
SNP_P1_184204_101019	NW_004515862.1	Scaffold367	101019	GG	AA	1940447029
SNP_P1_184205_101069	NW_004515862.1	Scaffold367	101069	AA	GG	1940447030
SNP_P1_184206_105814	NW_004515862.1	Scaffold367	105814	GG	AA	1940447031
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SNP_P1_184208_107126	NW_004515862.1	Scaffold367	107126	AA	GG	1940447033
SNP_P1_184209_118802	NW_004515862.1	Scaffold367	118802	GG	TT	1940447034
SNP_P1_184210_119132	NW_004515862.1	Scaffold367	119132	AA	TT	1940447035
SNP_P1_184211_119149	NW_004515862.1	Scaffold367	119149	TT	AA	1940447036
SNP_P1_184212_119179	NW_004515862.1	Scaffold367	119179	TT	CC	1940447037
SNP_P1_184213_119777	NW_004515862.1	Scaffold367	119777	TT	CC	1940447038
SNP_P1_184214_119784	NW_004515862.1	Scaffold367	119784	TT	GG	1940447039
SNP_P1_184215_119791	NW_004515862.1	Scaffold367	119791	AA	GG	1940447040
SNP_P1_184216_119802	NW_004515862.1	Scaffold367	119802	GG	AA	1940447041

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184218_119831	NW_004515862.1	Scaffold367	119831	TT	GG	1940447043
SNP_P1_184219_133841	NW_004515862.1	Scaffold367	133841	AA	GG	1940447044
SNP_P1_184220_134246	NW_004515862.1	Scaffold367	134246	AA	TT	1940447045
SNP_P1_184221_142448	NW_004515862.1	Scaffold367	142448	CC	TT	1940447046
SNP_P1_184222_149394	NW_004515862.1	Scaffold367	149394	CC	GG	1940447047
SNP_P1_184223_149841	NW_004515862.1	Scaffold367	149841	CC	TT	1940447048
SNP_P1_184224_154123	NW_004515862.1	Scaffold367	154123	CC	AA	1940447049
SNP_P1_184225_154458	NW_004515862.1	Scaffold367	154458	CC	AA	1940447050
SNP_P1_184226_154473	NW_004515862.1	Scaffold367	154473	TT	CC	1940447051
SNP_P1_184227_154488	NW_004515862.1	Scaffold367	154488	AA	GG	1940447052
SNP_P1_184228_157833	NW_004515862.1	Scaffold367	157833	AA	CC	1940447053
SNP_P1_184229_157839	NW_004515862.1	Scaffold367	157839	TT	CC	1940447054
SNP_P1_184230_158893	NW_004515862.1	Scaffold367	158893	CC	TT	1940447055
SNP_P1_184231_663	NW_004515863.1	Scaffold369	663	AA	GG	1940447056
SNP_P1_184233_11369	NW_004515863.1	Scaffold369	11369	AA	GG	1940447057
SNP_P1_184234_11377	NW_004515863.1	Scaffold369	11377	GG	AA	1940447058
SNP_P1_184235_12050	NW_004515863.1	Scaffold369	12050	AA	CC	1940447059
SNP_P1_184236_15892	NW_004515863.1	Scaffold369	15892	CC	TT	1940447060
SNP_P1_184237_16684	NW_004515863.1	Scaffold369	16684	TT	CC	1940447061
SNP_P1_184238_19216	NW_004515863.1	Scaffold369	19216	CC	TT	1940447062
SNP_P1_184239_22933	NW_004515863.1	Scaffold369	22933	TT	CC	1940447063
SNP_P1_184240_27160	NW_004515863.1	Scaffold369	27160	AA	TT	1940447064
SNP_P1_184242_48421	NW_004515863.1	Scaffold369	48421	CC	TT	1940447065
SNP_P1_184244_79536	NW_004515863.1	Scaffold369	79536	TT	CC	1940447066
SNP_P1_184245_83440	NW_004515863.1	Scaffold369	83440	AA	GG	1940447067
SNP_P1_184248_99251	NW_004515863.1	Scaffold369	99251	TT	GG	1940447068
SNP_P1_184249_107041	NW_004515863.1	Scaffold369	107041	TT	CC	1940447069
SNP_P1_184250_128056	NW_004515863.1	Scaffold369	128056	GG	AA	1940447070
SNP_P1_184251_135619	NW_004515863.1	Scaffold369	135619	AA	GG	1940447071
SNP_P1_184252_153109	NW_004515863.1	Scaffold369	153109	AA	GG	1940447072
SNP_P1_184253_17207	NW_004515864.1	Scaffold370	17207	GG	AA	1940447073
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SNP_P1_184255_19356	NW_004515864.1	Scaffold370	19356	TT	AA	1940447075
SNP_P1_184256_19358	NW_004515864.1	Scaffold370	19358	TT	AA	1940447076
SNP_P1_184257_19363	NW_004515864.1	Scaffold370	19363	GG	TT	1940447077
SNP_P1_184258_19364	NW_004515864.1	Scaffold370	19364	TT	GG	1940447078
SNP_P1_184259_19369	NW_004515864.1	Scaffold370	19369	AA	CC	1940447079
SNP_P1_184260_20985	NW_004515864.1	Scaffold370	20985	AA	GG	1940447080
SNP_P1_184261_20993	NW_004515864.1	Scaffold370	20993	TT	GG	1940447081
SNP_P1_184262_23499	NW_004515864.1	Scaffold370	23499	GG	AA	1940447082
SNP_P1_184263_23510	NW_004515864.1	Scaffold370	23510	CC	AA	1940447083

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SNP_P1_184265_23833	NW_004515864.1	Scaffold370	23833	CC	AA	1940447085
SNP_P1_184266_27063	NW_004515864.1	Scaffold370	27063	GG	CC	1940447086
SNP_P1_184267_28594	NW_004515864.1	Scaffold370	28594	GG	AA	1940447087
SNP_P1_184268_28779	NW_004515864.1	Scaffold370	28779	CC	TT	1940447088
SNP_P1_184269_28971	NW_004515864.1	Scaffold370	28971	CC	TT	1940447089
SNP_P1_184270_28995	NW_004515864.1	Scaffold370	28995	TT	CC	1940447090
SNP_P1_184271_29007	NW_004515864.1	Scaffold370	29007	TT	AA	1940447091
SNP_P1_184272_29075	NW_004515864.1	Scaffold370	29075	GG	AA	1940447092
SNP_P1_184273_29081	NW_004515864.1	Scaffold370	29081	TT	CC	1940447093
SNP_P1_184274_29170	NW_004515864.1	Scaffold370	29170	CC	TT	1940447094
SNP_P1_184275_29280	NW_004515864.1	Scaffold370	29280	AA	GG	1940447095
SNP_P1_184276_29315	NW_004515864.1	Scaffold370	29315	GG	CC	1940447096
SNP_P1_184277_29353	NW_004515864.1	Scaffold370	29353	CC	TT	1940447097
SNP_P1_184278_29372	NW_004515864.1	Scaffold370	29372	CC	AA	1940447098
SNP_P1_184279_29522	NW_004515864.1	Scaffold370	29522	AA	TT	1940447099
SNP_P1_184280_29593	NW_004515864.1	Scaffold370	29593	AA	GG	1940447100
SNP_P1_184281_29599	NW_004515864.1	Scaffold370	29599	AA	GG	1940447101
SNP_P1_184282_29606	NW_004515864.1	Scaffold370	29606	CC	TT	1940447102
SNP_P1_184283_29646	NW_004515864.1	Scaffold370	29646	CC	GG	1940447103
SNP_P1_184284_29753	NW_004515864.1	Scaffold370	29753	AA	GG	1940447104
SNP_P1_184285_29815	NW_004515864.1	Scaffold370	29815	CC	AA	1940447105
SNP_P1_184286_31759	NW_004515864.1	Scaffold370	31759	TT	CC	1940447106
SNP_P1_184287_31845	NW_004515864.1	Scaffold370	31845	AA	GG	1940447107
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SNP_P1_184293_32362	NW_004515864.1	Scaffold370	32362	TT	CC	1940447113
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SNP_P1_184296_32405	NW_004515864.1	Scaffold370	32405	CC	GG	1940447116
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SNP_P1_184298_32429	NW_004515864.1	Scaffold370	32429	CC	AA	1940447118
SNP_P1_184299_32430	NW_004515864.1	Scaffold370	32430	CC	AA	1940447119
SNP_P1_184300_32613	NW_004515864.1	Scaffold370	32613	TT	GG	1940447120
SNP_P1_184301_32646	NW_004515864.1	Scaffold370	32646	GG	AA	1940447122
SNP_P1_184302_32648	NW_004515864.1	Scaffold370	32648	CC	TT	1940447123
SNP_P1_184303_32757	NW_004515864.1	Scaffold370	32757	AA	GG	1940447124
SNP_P1_184304_33947	NW_004515864.1	Scaffold370	33947	AA	GG	1940447125
SNP_P1_184305_33960	NW_004515864.1	Scaffold370	33960	AA	GG	1940447126

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184307_34053	NW_004515864.1	Scaffold370	34053	CC	TT	1940447128
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SNP_P1_184310_34192	NW_004515864.1	Scaffold370	34192	GG	AA	1940447130
SNP_P1_184311_34353	NW_004515864.1	Scaffold370	34353	TT	AA	1940447131
SNP_P1_184312_34388	NW_004515864.1	Scaffold370	34388	AA	TT	1940447132
SNP_P1_184313_34442	NW_004515864.1	Scaffold370	34442	CC	TT	1940447133
SNP_P1_184314_34479	NW_004515864.1	Scaffold370	34479	CC	TT	1940447134
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SNP_P1_184316_34610	NW_004515864.1	Scaffold370	34610	TT	CC	1940447136
SNP_P1_184317_34678	NW_004515864.1	Scaffold370	34678	CC	TT	1940447137
SNP_P1_184318_34746	NW_004515864.1	Scaffold370	34746	TT	GG	1940447138
SNP_P1_184319_34754	NW_004515864.1	Scaffold370	34754	CC	GG	1940447139
SNP_P1_184320_34762	NW_004515864.1	Scaffold370	34762	AA	GG	1940447140
SNP_P1_184321_34773	NW_004515864.1	Scaffold370	34773	TT	CC	1940447141
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SNP_P1_184323_34979	NW_004515864.1	Scaffold370	34979	CC	AA	1940447143
SNP_P1_184324_35081	NW_004515864.1	Scaffold370	35081	GG	AA	1940447144
SNP_P1_184325_35263	NW_004515864.1	Scaffold370	35263	AA	GG	1940447145
SNP_P1_184326_35363	NW_004515864.1	Scaffold370	35363	CC	TT	1940447146
SNP_P1_184327_35420	NW_004515864.1	Scaffold370	35420	CC	TT	1940447147
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SNP_P1_184329_35461	NW_004515864.1	Scaffold370	35461	AA	CC	1940447149
SNP_P1_184330_35479	NW_004515864.1	Scaffold370	35479	AA	GG	1940447150
SNP_P1_184331_35530	NW_004515864.1	Scaffold370	35530	AA	TT	1940447151
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SNP_P1_184333_35570	NW_004515864.1	Scaffold370	35570	TT	CC	1940447153
SNP_P1_184334_35628	NW_004515864.1	Scaffold370	35628	AA	CC	1940447154
SNP_P1_184335_35654	NW_004515864.1	Scaffold370	35654	AA	GG	1940447155
SNP_P1_184336_35705	NW_004515864.1	Scaffold370	35705	AA	CC	1940447156
SNP_P1_184337_35741	NW_004515864.1	Scaffold370	35741	GG	TT	1940447157
SNP_P1_184338_35752	NW_004515864.1	Scaffold370	35752	AA	CC	1940447158
SNP_P1_184339_35824	NW_004515864.1	Scaffold370	35824	GG	AA	1940447159
SNP_P1_184340_35865	NW_004515864.1	Scaffold370	35865	CC	TT	1940447160
SNP_P1_184341_35868	NW_004515864.1	Scaffold370	35868	TT	CC	1940447161
SNP_P1_184342_36003	NW_004515864.1	Scaffold370	36003	TT	CC	1940447162
SNP_P1_184343_36033	NW_004515864.1	Scaffold370	36033	AA	GG	1940447163
SNP_P1_184344_36056	NW_004515864.1	Scaffold370	36056	GG	TT	1940447164
SNP_P1_184345_36078	NW_004515864.1	Scaffold370	36078	CC	GG	1940447165
SNP_P1_184346_36728	NW_004515864.1	Scaffold370	36728	CC	TT	1940447166
SNP_P1_184347_36757	NW_004515864.1	Scaffold370	36757	AA	GG	1940447167
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184351_37008	NW_004515864.1	Scaffold370	37008	AA	CC	1940447171
SNP_P1_184352_37065	NW_004515864.1	Scaffold370	37065	TT	CC	1940447172
SNP_P1_184353_37073	NW_004515864.1	Scaffold370	37073	AA	GG	1940447173
SNP_P1_184354_37122	NW_004515864.1	Scaffold370	37122	TT	CC	1940447174
SNP_P1_184355_37212	NW_004515864.1	Scaffold370	37212	CC	AA	1940447175
SNP_P1_184356_37273	NW_004515864.1	Scaffold370	37273	GG	AA	1940447176
SNP_P1_184357_37296	NW_004515864.1	Scaffold370	37296	GG	CC	1940447177
SNP_P1_184358_37310	NW_004515864.1	Scaffold370	37310	TT	GG	1940447178
SNP_P1_184359_37316	NW_004515864.1	Scaffold370	37316	CC	TT	1940447179
SNP_P1_184360_37532	NW_004515864.1	Scaffold370	37532	AA	GG	1940447180
SNP_P1_184361_37565	NW_004515864.1	Scaffold370	37565	TT	AA	1940447181
SNP_P1_184362_37738	NW_004515864.1	Scaffold370	37738	GG	AA	1940447182
SNP_P1_184364_37882	NW_004515864.1	Scaffold370	37882	AA	CC	1940447183
SNP_P1_184365_37912	NW_004515864.1	Scaffold370	37912	GG	AA	1940447184
SNP_P1_184366_37950	NW_004515864.1	Scaffold370	37950	CC	TT	1940447185
SNP_P1_184367_38006	NW_004515864.1	Scaffold370	38006	AA	TT	1940447186
SNP_P1_184368_38053	NW_004515864.1	Scaffold370	38053	CC	TT	1940447187
SNP_P1_184369_38054	NW_004515864.1	Scaffold370	38054	TT	CC	1940447188
SNP_P1_184370_38065	NW_004515864.1	Scaffold370	38065	GG	TT	1940447189
SNP_P1_184371_38069	NW_004515864.1	Scaffold370	38069	CC	AA	1940447190
SNP_P1_184372_38074	NW_004515864.1	Scaffold370	38074	TT	GG	1940447191
SNP_P1_184373_38099	NW_004515864.1	Scaffold370	38099	GG	CC	1940447192
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SNP_P1_184376_38157	NW_004515864.1	Scaffold370	38157	TT	CC	1940447195
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SNP_P1_184378_38192	NW_004515864.1	Scaffold370	38192	TT	CC	1940447197
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SNP_P1_184383_38430	NW_004515864.1	Scaffold370	38430	TT	CC	1940447202
SNP_P1_184384_38477	NW_004515864.1	Scaffold370	38477	TT	CC	1940447203
SNP_P1_184385_38565	NW_004515864.1	Scaffold370	38565	CC	AA	1940447204
SNP_P1_184386_39269	NW_004515864.1	Scaffold370	39269	AA	CC	1940447205
SNP_P1_184387_39306	NW_004515864.1	Scaffold370	39306	TT	CC	1940447206
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SNP_P1_184389_39807	NW_004515864.1	Scaffold370	39807	AA	GG	1940447208
SNP_P1_184390_39992	NW_004515864.1	Scaffold370	39992	GG	TT	1940447209
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184393_40142	NW_004515864.1	Scaffold370	40142	GG	AA	1940447212
SNP_P1_184394_40149	NW_004515864.1	Scaffold370	40149	GG	AA	1940447213
SNP_P1_184395_40154	NW_004515864.1	Scaffold370	40154	AA	GG	1940447214
SNP_P1_184396_40196	NW_004515864.1	Scaffold370	40196	AA	GG	1940447215
SNP_P1_184397_40215	NW_004515864.1	Scaffold370	40215	TT	CC	1940447216
SNP_P1_184398_40273	NW_004515864.1	Scaffold370	40273	AA	CC	1940447217
SNP_P1_184400_40351	NW_004515864.1	Scaffold370	40351	AA	GG	1940447218
SNP_P1_184401_40404	NW_004515864.1	Scaffold370	40404	TT	CC	1940447219
SNP_P1_184402_40433	NW_004515864.1	Scaffold370	40433	CC	TT	1940447220
SNP_P1_184403_40440	NW_004515864.1	Scaffold370	40440	CC	GG	1940447221
SNP_P1_184404_40442	NW_004515864.1	Scaffold370	40442	CC	TT	1940447222
SNP_P1_184405_40445	NW_004515864.1	Scaffold370	40445	TT	CC	1940447223
SNP_P1_184406_40458	NW_004515864.1	Scaffold370	40458	TT	AA	1940447224
SNP_P1_184407_40573	NW_004515864.1	Scaffold370	40573	TT	GG	1940447225
SNP_P1_184408_40604	NW_004515864.1	Scaffold370	40604	GG	AA	1940447226
SNP_P1_184409_41665	NW_004515864.1	Scaffold370	41665	GG	AA	1940447227
SNP_P1_184411_43528	NW_004515864.1	Scaffold370	43528	TT	GG	1940447228
SNP_P1_184412_43547	NW_004515864.1	Scaffold370	43547	AA	GG	1940447229
SNP_P1_184413_43609	NW_004515864.1	Scaffold370	43609	GG	AA	1940447230
SNP_P1_184414_43631	NW_004515864.1	Scaffold370	43631	TT	CC	1940447231
SNP_P1_184415_43644	NW_004515864.1	Scaffold370	43644	TT	CC	1940447232
SNP_P1_184416_44052	NW_004515864.1	Scaffold370	44052	CC	GG	1940447233
SNP_P1_184417_44170	NW_004515864.1	Scaffold370	44170	CC	TT	1940447234
SNP_P1_184418_44406	NW_004515864.1	Scaffold370	44406	GG	AA	1940447235
SNP_P1_184419_44448	NW_004515864.1	Scaffold370	44448	CC	AA	1940447236
SNP_P1_184420_45065	NW_004515864.1	Scaffold370	45065	GG	AA	1940447237
SNP_P1_184421_45128	NW_004515864.1	Scaffold370	45128	GG	TT	1940447238
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SNP_P1_184423_45364	NW_004515864.1	Scaffold370	45364	AA	TT	1940447240
SNP_P1_184424_45467	NW_004515864.1	Scaffold370	45467	GG	AA	1940447241
SNP_P1_184425_45477	NW_004515864.1	Scaffold370	45477	CC	AA	1940447242
SNP_P1_184426_45481	NW_004515864.1	Scaffold370	45481	GG	AA	1940447243
SNP_P1_184427_45516	NW_004515864.1	Scaffold370	45516	CC	AA	1940447244
SNP_P1_184428_45560	NW_004515864.1	Scaffold370	45560	CC	GG	1940447245
SNP_P1_184429_45567	NW_004515864.1	Scaffold370	45567	CC	AA	1940447246
SNP_P1_184430_45593	NW_004515864.1	Scaffold370	45593	TT	CC	1940447247
SNP_P1_184431_45606	NW_004515864.1	Scaffold370	45606	GG	AA	1940447248
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184437_45714	NW_004515864.1	Scaffold370	45714	TT	CC	1940447254
SNP_P1_184438_45719	NW_004515864.1	Scaffold370	45719	AA	GG	1940447255
SNP_P1_184439_45731	NW_004515864.1	Scaffold370	45731	AA	CC	1940447256
SNP_P1_184440_45739	NW_004515864.1	Scaffold370	45739	GG	AA	1940447257
SNP_P1_184441_45785	NW_004515864.1	Scaffold370	45785	CC	TT	1940447258
SNP_P1_184442_45844	NW_004515864.1	Scaffold370	45844	GG	CC	1940447259
SNP_P1_184443_45871	NW_004515864.1	Scaffold370	45871	GG	AA	1940447260
SNP_P1_184444_45901	NW_004515864.1	Scaffold370	45901	GG	AA	1940447261
SNP_P1_184445_46036	NW_004515864.1	Scaffold370	46036	CC	TT	1940447262
SNP_P1_184446_46217	NW_004515864.1	Scaffold370	46217	GG	AA	1940447263
SNP_P1_184447_46219	NW_004515864.1	Scaffold370	46219	CC	AA	1940447264
SNP_P1_184448_46327	NW_004515864.1	Scaffold370	46327	TT	GG	1940447265
SNP_P1_184449_46358	NW_004515864.1	Scaffold370	46358	TT	CC	1940447266
SNP_P1_184450_46897	NW_004515864.1	Scaffold370	46897	GG	AA	1940447267
SNP_P1_184451_47349	NW_004515864.1	Scaffold370	47349	AA	CC	1940447268
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SNP_P1_184455_50651	NW_004515864.1	Scaffold370	50651	GG	TT	1940447272
SNP_P1_184456_50738	NW_004515864.1	Scaffold370	50738	AA	TT	1940447274
SNP_P1_184457_50765	NW_004515864.1	Scaffold370	50765	CC	TT	1940447275
SNP_P1_184458_50796	NW_004515864.1	Scaffold370	50796	GG	CC	1940447276
SNP_P1_184459_50914	NW_004515864.1	Scaffold370	50914	GG	TT	1940447277
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SNP_P1_184462_51144	NW_004515864.1	Scaffold370	51144	TT	AA	1940447280
SNP_P1_184463_51216	NW_004515864.1	Scaffold370	51216	CC	AA	1940447281
SNP_P1_184464_52081	NW_004515864.1	Scaffold370	52081	CC	TT	1940447282
SNP_P1_184466_52746	NW_004515864.1	Scaffold370	52746	AA	TT	1940447283
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SNP_P1_184468_52766	NW_004515864.1	Scaffold370	52766	TT	CC	1940447285
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SNP_P1_184472_55430	NW_004515864.1	Scaffold370	55430	TT	AA	1940447288
SNP_P1_184473_55434	NW_004515864.1	Scaffold370	55434	CC	TT	1940447289
SNP_P1_184474_55628	NW_004515864.1	Scaffold370	55628	TT	CC	1940447290
SNP_P1_184475_56218	NW_004515864.1	Scaffold370	56218	TT	AA	1940447291
SNP_P1_184476_56219	NW_004515864.1	Scaffold370	56219	AA	TT	1940447292
SNP_P1_184477_56228	NW_004515864.1	Scaffold370	56228	CC	TT	1940447293
SNP_P1_184478_56308	NW_004515864.1	Scaffold370	56308	AA	TT	1940447294
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SNP_P1_184481_56695	NW_004515864.1	Scaffold370	56695	TT	GG	1940447297
SNP_P1_184482_56737	NW_004515864.1	Scaffold370	56737	TT	GG	1940447298
SNP_P1_184483_56738	NW_004515864.1	Scaffold370	56738	CC	TT	1940447299
SNP_P1_184484_56744	NW_004515864.1	Scaffold370	56744	AA	GG	1940447300
SNP_P1_184485_56814	NW_004515864.1	Scaffold370	56814	TT	AA	1940447301
SNP_P1_184486_56840	NW_004515864.1	Scaffold370	56840	CC	GG	1940447302
SNP_P1_184487_56868	NW_004515864.1	Scaffold370	56868	CC	TT	1940447303
SNP_P1_184488_56981	NW_004515864.1	Scaffold370	56981	AA	TT	1940447304
SNP_P1_184489_56984	NW_004515864.1	Scaffold370	56984	AA	GG	1940447305
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SNP_P1_184491_57103	NW_004515864.1	Scaffold370	57103	TT	CC	1940447307
SNP_P1_184492_57109	NW_004515864.1	Scaffold370	57109	AA	TT	1940447308
SNP_P1_184493_57128	NW_004515864.1	Scaffold370	57128	TT	CC	1940447309
SNP_P1_184494_57185	NW_004515864.1	Scaffold370	57185	TT	CC	1940447310
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SNP_P1_184498_57848	NW_004515864.1	Scaffold370	57848	AA	GG	1940447314
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SNP_P1_184516_59123	NW_004515864.1	Scaffold370	59123	GG	CC	1940447331
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SNP_P1_184518_59179	NW_004515864.1	Scaffold370	59179	CC	TT	1940447333
SNP_P1_184519_59223	NW_004515864.1	Scaffold370	59223	TT	AA	1940447334
SNP_P1_184520_59341	NW_004515864.1	Scaffold370	59341	CC	TT	1940447335
SNP_P1_184521_59426	NW_004515864.1	Scaffold370	59426	AA	GG	1940447336
SNP_P1_184522_59440	NW_004515864.1	Scaffold370	59440	AA	GG	1940447337

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SNP_P1_184525_59704	NW_004515864.1	Scaffold370	59704	TT	AA	1940447340
SNP_P1_184526_59744	NW_004515864.1	Scaffold370	59744	TT	AA	1940447341
SNP_P1_184527_60075	NW_004515864.1	Scaffold370	60075	CC	AA	1940447342
SNP_P1_184528_60089	NW_004515864.1	Scaffold370	60089	AA	GG	1940447343
SNP_P1_184529_60114	NW_004515864.1	Scaffold370	60114	TT	AA	1940447344
SNP_P1_184530_60427	NW_004515864.1	Scaffold370	60427	AA	GG	1940447345
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SNP_P1_184532_62480	NW_004515864.1	Scaffold370	62480	AA	CC	1940447347
SNP_P1_184533_62545	NW_004515864.1	Scaffold370	62545	TT	CC	1940447348
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SNP_P1_184536_62997	NW_004515864.1	Scaffold370	62997	GG	AA	1940447351
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SNP_P1_184541_63254	NW_004515864.1	Scaffold370	63254	CC	AA	1940447356
SNP_P1_184542_63280	NW_004515864.1	Scaffold370	63280	TT	CC	1940447357
SNP_P1_184543_63309	NW_004515864.1	Scaffold370	63309	AA	GG	1940447358
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SNP_P1_184546_63578	NW_004515864.1	Scaffold370	63578	TT	CC	1940447361
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SNP_P1_184550_63783	NW_004515864.1	Scaffold370	63783	CC	TT	1940447365
SNP_P1_184551_63810	NW_004515864.1	Scaffold370	63810	CC	TT	1940447366
SNP_P1_184552_63812	NW_004515864.1	Scaffold370	63812	AA	TT	1940447367
SNP_P1_184553_63828	NW_004515864.1	Scaffold370	63828	AA	TT	1940447368
SNP_P1_184554_63866	NW_004515864.1	Scaffold370	63866	GG	AA	1940447369
SNP_P1_184555_63867	NW_004515864.1	Scaffold370	63867	AA	GG	1940447370
SNP_P1_184556_63962	NW_004515864.1	Scaffold370	63962	AA	TT	1940447371
SNP_P1_184557_63990	NW_004515864.1	Scaffold370	63990	GG	AA	1940447372
SNP_P1_184558_64010	NW_004515864.1	Scaffold370	64010	TT	GG	1940447373
SNP_P1_184559_64026	NW_004515864.1	Scaffold370	64026	TT	GG	1940447374
SNP_P1_184560_64044	NW_004515864.1	Scaffold370	64044	AA	GG	1940447375
SNP_P1_184561_64055	NW_004515864.1	Scaffold370	64055	CC	TT	1940447376
SNP_P1_184562_64059	NW_004515864.1	Scaffold370	64059	AA	GG	1940447377
SNP_P1_184563_64099	NW_004515864.1	Scaffold370	64099	TT	CC	1940447378
SNP_P1_184564_64103	NW_004515864.1	Scaffold370	64103	CC	GG	1940447379

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184566_64285	NW_004515864.1	Scaffold370	64285	CC	GG	1940447381
SNP_P1_184567_64305	NW_004515864.1	Scaffold370	64305	CC	TT	1940447382
SNP_P1_184568_64448	NW_004515864.1	Scaffold370	64448	TT	CC	1940447383
SNP_P1_184569_64473	NW_004515864.1	Scaffold370	64473	GG	AA	1940447384
SNP_P1_184570_64521	NW_004515864.1	Scaffold370	64521	TT	CC	1940447385
SNP_P1_184571_64536	NW_004515864.1	Scaffold370	64536	TT	CC	1940447387
SNP_P1_184572_64592	NW_004515864.1	Scaffold370	64592	AA	CC	1940447388
SNP_P1_184573_64662	NW_004515864.1	Scaffold370	64662	AA	CC	1940447389
SNP_P1_184574_64804	NW_004515864.1	Scaffold370	64804	CC	TT	1940447390
SNP_P1_184575_64920	NW_004515864.1	Scaffold370	64920	AA	GG	1940447391
SNP_P1_184576_64933	NW_004515864.1	Scaffold370	64933	TT	GG	1940447392
SNP_P1_184577_64945	NW_004515864.1	Scaffold370	64945	AA	TT	1940447393
SNP_P1_184578_65046	NW_004515864.1	Scaffold370	65046	GG	TT	1940447394
SNP_P1_184579_65769	NW_004515864.1	Scaffold370	65769	GG	CC	1940447395
SNP_P1_184580_66209	NW_004515864.1	Scaffold370	66209	CC	TT	1940447396
SNP_P1_184581_66210	NW_004515864.1	Scaffold370	66210	CC	TT	1940447397
SNP_P1_184582_66309	NW_004515864.1	Scaffold370	66309	TT	AA	1940447398
SNP_P1_184583_66310	NW_004515864.1	Scaffold370	66310	TT	CC	1940447399
SNP_P1_184584_66320	NW_004515864.1	Scaffold370	66320	TT	CC	1940447400
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SNP_P1_184586_66403	NW_004515864.1	Scaffold370	66403	GG	AA	1940447402
SNP_P1_184587_66432	NW_004515864.1	Scaffold370	66432	TT	GG	1940447403
SNP_P1_184588_66510	NW_004515864.1	Scaffold370	66510	AA	GG	1940447404
SNP_P1_184589_66534	NW_004515864.1	Scaffold370	66534	GG	CC	1940447405
SNP_P1_184590_66589	NW_004515864.1	Scaffold370	66589	CC	GG	1940447406
SNP_P1_184591_66594	NW_004515864.1	Scaffold370	66594	GG	TT	1940447407
SNP_P1_184592_66665	NW_004515864.1	Scaffold370	66665	TT	CC	1940447408
SNP_P1_184593_66715	NW_004515864.1	Scaffold370	66715	AA	TT	1940447409
SNP_P1_184594_66782	NW_004515864.1	Scaffold370	66782	TT	GG	1940447410
SNP_P1_184595_66812	NW_004515864.1	Scaffold370	66812	TT	AA	1940447411
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SNP_P1_184597_66887	NW_004515864.1	Scaffold370	66887	GG	AA	1940447413
SNP_P1_184598_66902	NW_004515864.1	Scaffold370	66902	AA	CC	1940447414
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SNP_P1_184600_66947	NW_004515864.1	Scaffold370	66947	TT	CC	1940447416
SNP_P1_184601_66965	NW_004515864.1	Scaffold370	66965	TT	CC	1940447417
SNP_P1_184602_66981	NW_004515864.1	Scaffold370	66981	AA	TT	1940447418
SNP_P1_184603_66988	NW_004515864.1	Scaffold370	66988	TT	CC	1940447419
SNP_P1_184604_67010	NW_004515864.1	Scaffold370	67010	GG	AA	1940447420
SNP_P1_184605_67029	NW_004515864.1	Scaffold370	67029	CC	AA	1940447421
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184608_67151	NW_004515864.1	Scaffold370	67151	CC	GG	1940447424
SNP_P1_184609_67242	NW_004515864.1	Scaffold370	67242	AA	GG	1940447425
SNP_P1_184610_67375	NW_004515864.1	Scaffold370	67375	AA	GG	1940447426
SNP_P1_184611_67427	NW_004515864.1	Scaffold370	67427	TT	CC	1940447427
SNP_P1_184612_67776	NW_004515864.1	Scaffold370	67776	TT	AA	1940447428
SNP_P1_184613_67803	NW_004515864.1	Scaffold370	67803	GG	CC	1940447429
SNP_P1_184614_70939	NW_004515864.1	Scaffold370	70939	CC	TT	1940447430
SNP_P1_184615_71015	NW_004515864.1	Scaffold370	71015	AA	TT	1940447431
SNP_P1_184617_71257	NW_004515864.1	Scaffold370	71257	AA	TT	1940447432
SNP_P1_184618_71450	NW_004515864.1	Scaffold370	71450	AA	GG	1940447433
SNP_P1_184619_74350	NW_004515864.1	Scaffold370	74350	AA	TT	1940447434
SNP_P1_184620_74552	NW_004515864.1	Scaffold370	74552	AA	TT	1940447435
SNP_P1_184621_74596	NW_004515864.1	Scaffold370	74596	AA	GG	1940447436
SNP_P1_184622_74665	NW_004515864.1	Scaffold370	74665	TT	CC	1940447437
SNP_P1_184623_74811	NW_004515864.1	Scaffold370	74811	AA	CC	1940447438
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SNP_P1_184625_74885	NW_004515864.1	Scaffold370	74885	AA	GG	1940447440
SNP_P1_184626_74898	NW_004515864.1	Scaffold370	74898	CC	TT	1940447441
SNP_P1_184627_74918	NW_004515864.1	Scaffold370	74918	GG	TT	1940447442
SNP_P1_184628_74982	NW_004515864.1	Scaffold370	74982	CC	TT	1940447443
SNP_P1_184629_74995	NW_004515864.1	Scaffold370	74995	TT	AA	1940447444
SNP_P1_184630_75018	NW_004515864.1	Scaffold370	75018	CC	TT	1940447445
SNP_P1_184631_75019	NW_004515864.1	Scaffold370	75019	GG	TT	1940447446
SNP_P1_184632_75060	NW_004515864.1	Scaffold370	75060	AA	TT	1940447447
SNP_P1_184633_75064	NW_004515864.1	Scaffold370	75064	GG	AA	1940447448
SNP_P1_184635_75181	NW_004515864.1	Scaffold370	75181	TT	CC	1940447449
SNP_P1_184636_75183	NW_004515864.1	Scaffold370	75183	AA	GG	1940447450
SNP_P1_184637_75222	NW_004515864.1	Scaffold370	75222	TT	GG	1940447451
SNP_P1_184638_75268	NW_004515864.1	Scaffold370	75268	GG	CC	1940447452
SNP_P1_184639_75304	NW_004515864.1	Scaffold370	75304	GG	AA	1940447453
SNP_P1_184640_75326	NW_004515864.1	Scaffold370	75326	CC	TT	1940447454
SNP_P1_184641_75396	NW_004515864.1	Scaffold370	75396	GG	AA	1940447455
SNP_P1_184642_75399	NW_004515864.1	Scaffold370	75399	CC	GG	1940447456
SNP_P1_184643_75412	NW_004515864.1	Scaffold370	75412	GG	AA	1940447457
SNP_P1_184644_75435	NW_004515864.1	Scaffold370	75435	GG	CC	1940447458
SNP_P1_184645_75444	NW_004515864.1	Scaffold370	75444	CC	AA	1940447459
SNP_P1_184646_75453	NW_004515864.1	Scaffold370	75453	TT	GG	1940447460
SNP_P1_184647_75605	NW_004515864.1	Scaffold370	75605	GG	CC	1940447461
SNP_P1_184648_75672	NW_004515864.1	Scaffold370	75672	AA	GG	1940447462
SNP_P1_184649_76053	NW_004515864.1	Scaffold370	76053	AA	GG	1940447463
SNP_P1_184650_76261	NW_004515864.1	Scaffold370	76261	TT	CC	1940447464

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184652_76531	NW_004515864.1	Scaffold370	76531	GG	AA	1940447466
SNP_P1_184654_76732	NW_004515864.1	Scaffold370	76732	TT	AA	1940447467
SNP_P1_184655_76803	NW_004515864.1	Scaffold370	76803	TT	GG	1940447468
SNP_P1_184656_76858	NW_004515864.1	Scaffold370	76858	AA	GG	1940447469
SNP_P1_184657_76885	NW_004515864.1	Scaffold370	76885	GG	AA	1940447470
SNP_P1_184658_76908	NW_004515864.1	Scaffold370	76908	CC	TT	1940447471
SNP_P1_184659_76909	NW_004515864.1	Scaffold370	76909	GG	TT	1940447472
SNP_P1_184660_77048	NW_004515864.1	Scaffold370	77048	GG	AA	1940447473
SNP_P1_184661_77144	NW_004515864.1	Scaffold370	77144	TT	AA	1940447474
SNP_P1_184662_77161	NW_004515864.1	Scaffold370	77161	AA	GG	1940447475
SNP_P1_184663_77181	NW_004515864.1	Scaffold370	77181	TT	AA	1940447476
SNP_P1_184664_77183	NW_004515864.1	Scaffold370	77183	CC	AA	1940447477
SNP_P1_184665_77213	NW_004515864.1	Scaffold370	77213	TT	CC	1940447478
SNP_P1_184666_77256	NW_004515864.1	Scaffold370	77256	AA	CC	1940447479
SNP_P1_184667_77258	NW_004515864.1	Scaffold370	77258	GG	AA	1940447480
SNP_P1_184668_77267	NW_004515864.1	Scaffold370	77267	AA	CC	1940447481
SNP_P1_184669_77327	NW_004515864.1	Scaffold370	77327	AA	TT	1940447482
SNP_P1_184670_77331	NW_004515864.1	Scaffold370	77331	CC	TT	1940447483
SNP_P1_184671_77345	NW_004515864.1	Scaffold370	77345	TT	CC	1940447484
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SNP_P1_184673_77523	NW_004515864.1	Scaffold370	77523	CC	TT	1940447486
SNP_P1_184674_77545	NW_004515864.1	Scaffold370	77545	AA	TT	1940447487
SNP_P1_184675_77570	NW_004515864.1	Scaffold370	77570	GG	TT	1940447488
SNP_P1_184676_77667	NW_004515864.1	Scaffold370	77667	AA	GG	1940447489
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SNP_P1_184678_77952	NW_004515864.1	Scaffold370	77952	CC	TT	1940447491
SNP_P1_184679_78254	NW_004515864.1	Scaffold370	78254	AA	TT	1940447492
SNP_P1_184680_78259	NW_004515864.1	Scaffold370	78259	AA	TT	1940447493
SNP_P1_184681_78367	NW_004515864.1	Scaffold370	78367	TT	GG	1940447494
SNP_P1_184682_78383	NW_004515864.1	Scaffold370	78383	TT	CC	1940447495
SNP_P1_184683_78413	NW_004515864.1	Scaffold370	78413	CC	AA	1940447496
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SNP_P1_184687_78593	NW_004515864.1	Scaffold370	78593	AA	GG	1940447500
SNP_P1_184688_78644	NW_004515864.1	Scaffold370	78644	AA	CC	1940447501
SNP_P1_184689_78867	NW_004515864.1	Scaffold370	78867	GG	AA	1940447502
SNP_P1_184690_78868	NW_004515864.1	Scaffold370	78868	GG	CC	1940447503
SNP_P1_184691_78888	NW_004515864.1	Scaffold370	78888	CC	TT	1940447504
SNP_P1_184692_78895	NW_004515864.1	Scaffold370	78895	CC	GG	1940447505
SNP_P1_184693_79415	NW_004515864.1	Scaffold370	79415	CC	TT	1940447506

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184695_79782	NW_004515864.1	Scaffold370	79782	GG	AA	1940447508
SNP_P1_184696_79891	NW_004515864.1	Scaffold370	79891	TT	CC	1940447509
SNP_P1_184697_79928	NW_004515864.1	Scaffold370	79928	TT	CC	1940447510
SNP_P1_184698_80014	NW_004515864.1	Scaffold370	80014	CC	TT	1940447511
SNP_P1_184699_80020	NW_004515864.1	Scaffold370	80020	TT	AA	1940447512
SNP_P1_184700_80293	NW_004515864.1	Scaffold370	80293	CC	GG	1940447513
SNP_P1_184701_80327	NW_004515864.1	Scaffold370	80327	TT	GG	1940447514
SNP_P1_184702_80490	NW_004515864.1	Scaffold370	80490	GG	CC	1940447515
SNP_P1_184703_80590	NW_004515864.1	Scaffold370	80590	AA	GG	1940447516
SNP_P1_184704_80835	NW_004515864.1	Scaffold370	80835	GG	CC	1940447517
SNP_P1_184705_80955	NW_004515864.1	Scaffold370	80955	GG	CC	1940447518
SNP_P1_184706_81069	NW_004515864.1	Scaffold370	81069	GG	AA	1940447519
SNP_P1_184707_81296	NW_004515864.1	Scaffold370	81296	GG	TT	1940447520
SNP_P1_184708_81311	NW_004515864.1	Scaffold370	81311	TT	CC	1940447522
SNP_P1_184709_81387	NW_004515864.1	Scaffold370	81387	AA	CC	1940447523
SNP_P1_184710_81396	NW_004515864.1	Scaffold370	81396	AA	GG	1940447524
SNP_P1_184711_81488	NW_004515864.1	Scaffold370	81488	GG	AA	1940447525
SNP_P1_184712_81500	NW_004515864.1	Scaffold370	81500	GG	CC	1940447526
SNP_P1_184713_81528	NW_004515864.1	Scaffold370	81528	GG	AA	1940447527
SNP_P1_184714_81581	NW_004515864.1	Scaffold370	81581	CC	TT	1940447528
SNP_P1_184715_81594	NW_004515864.1	Scaffold370	81594	TT	AA	1940447529
SNP_P1_184716_81636	NW_004515864.1	Scaffold370	81636	AA	TT	1940447530
SNP_P1_184717_81668	NW_004515864.1	Scaffold370	81668	GG	TT	1940447531
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SNP_P1_184719_81833	NW_004515864.1	Scaffold370	81833	AA	CC	1940447533
SNP_P1_184720_81865	NW_004515864.1	Scaffold370	81865	TT	CC	1940447534
SNP_P1_184721_81932	NW_004515864.1	Scaffold370	81932	CC	TT	1940447535
SNP_P1_184722_81957	NW_004515864.1	Scaffold370	81957	GG	TT	1940447536
SNP_P1_184723_82072	NW_004515864.1	Scaffold370	82072	GG	AA	1940447537
SNP_P1_184724_82092	NW_004515864.1	Scaffold370	82092	TT	CC	1940447538
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SNP_P1_184726_82528	NW_004515864.1	Scaffold370	82528	TT	CC	1940447540
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SNP_P1_184729_82920	NW_004515864.1	Scaffold370	82920	GG	AA	1940447543
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SNP_P1_184734_83750	NW_004515864.1	Scaffold370	83750	GG	AA	1940447547
SNP_P1_184735_85092	NW_004515864.1	Scaffold370	85092	TT	CC	1940447548
SNP_P1_184736_85189	NW_004515864.1	Scaffold370	85189	GG	AA	1940447549

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184739_85595	NW_004515864.1	Scaffold370	85595	TT	CC	1940447552
SNP_P1_184740_85625	NW_004515864.1	Scaffold370	85625	TT	GG	1940447553
SNP_P1_184741_85645	NW_004515864.1	Scaffold370	85645	GG	AA	1940447554
SNP_P1_184742_85697	NW_004515864.1	Scaffold370	85697	CC	AA	1940447555
SNP_P1_184743_86976	NW_004515864.1	Scaffold370	86976	TT	CC	1940447556
SNP_P1_184744_86983	NW_004515864.1	Scaffold370	86983	GG	AA	1940447557
SNP_P1_184745_87458	NW_004515864.1	Scaffold370	87458	AA	TT	1940447558
SNP_P1_184746_87496	NW_004515864.1	Scaffold370	87496	GG	AA	1940447559
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SNP_P1_184749_87919	NW_004515864.1	Scaffold370	87919	TT	AA	1940447562
SNP_P1_184750_88028	NW_004515864.1	Scaffold370	88028	AA	GG	1940447563
SNP_P1_184751_88184	NW_004515864.1	Scaffold370	88184	TT	CC	1940447564
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SNP_P1_184753_88288	NW_004515864.1	Scaffold370	88288	TT	GG	1940447566
SNP_P1_184754_88299	NW_004515864.1	Scaffold370	88299	AA	GG	1940447567
SNP_P1_184755_88448	NW_004515864.1	Scaffold370	88448	CC	TT	1940447568
SNP_P1_184756_88476	NW_004515864.1	Scaffold370	88476	TT	CC	1940447569
SNP_P1_184757_88590	NW_004515864.1	Scaffold370	88590	AA	CC	1940447570
SNP_P1_184758_88622	NW_004515864.1	Scaffold370	88622	GG	AA	1940447571
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SNP_P1_184761_88689	NW_004515864.1	Scaffold370	88689	GG	AA	1940447574
SNP_P1_184762_88754	NW_004515864.1	Scaffold370	88754	TT	GG	1940447575
SNP_P1_184763_89238	NW_004515864.1	Scaffold370	89238	CC	GG	1940447576
SNP_P1_184764_89291	NW_004515864.1	Scaffold370	89291	TT	CC	1940447577
SNP_P1_184765_89299	NW_004515864.1	Scaffold370	89299	TT	CC	1940447578
SNP_P1_184766_89338	NW_004515864.1	Scaffold370	89338	TT	CC	1940447579
SNP_P1_184767_89413	NW_004515864.1	Scaffold370	89413	CC	AA	1940447580
SNP_P1_184768_89449	NW_004515864.1	Scaffold370	89449	TT	AA	1940447581
SNP_P1_184769_89460	NW_004515864.1	Scaffold370	89460	TT	CC	1940447582
SNP_P1_184770_89500	NW_004515864.1	Scaffold370	89500	AA	TT	1940447583
SNP_P1_184771_89601	NW_004515864.1	Scaffold370	89601	GG	AA	1940447584
SNP_P1_184772_89703	NW_004515864.1	Scaffold370	89703	AA	TT	1940447585
SNP_P1_184773_89749	NW_004515864.1	Scaffold370	89749	GG	AA	1940447586
SNP_P1_184775_89808	NW_004515864.1	Scaffold370	89808	GG	AA	1940447587
SNP_P1_184776_89864	NW_004515864.1	Scaffold370	89864	CC	TT	1940447588
SNP_P1_184777_90044	NW_004515864.1	Scaffold370	90044	TT	AA	1940447589
SNP_P1_184778_90065	NW_004515864.1	Scaffold370	90065	CC	TT	1940447590
SNP_P1_184779_90106	NW_004515864.1	Scaffold370	90106	TT	CC	1940447591

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184781_90166	NW_004515864.1	Scaffold370	90166	AA	TT	1940447593
SNP_P1_184782_90250	NW_004515864.1	Scaffold370	90250	TT	GG	1940447594
SNP_P1_184783_90296	NW_004515864.1	Scaffold370	90296	GG	TT	1940447595
SNP_P1_184784_90343	NW_004515864.1	Scaffold370	90343	AA	GG	1940447596
SNP_P1_184785_90386	NW_004515864.1	Scaffold370	90386	TT	AA	1940447597
SNP_P1_184786_90555	NW_004515864.1	Scaffold370	90555	GG	AA	1940447598
SNP_P1_184787_90593	NW_004515864.1	Scaffold370	90593	TT	CC	1940447599
SNP_P1_184788_90615	NW_004515864.1	Scaffold370	90615	GG	AA	1940447600
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SNP_P1_184790_90902	NW_004515864.1	Scaffold370	90902	CC	TT	1940447602
SNP_P1_184791_92682	NW_004515864.1	Scaffold370	92682	CC	AA	1940447603
SNP_P1_184792_92738	NW_004515864.1	Scaffold370	92738	AA	CC	1940447604
SNP_P1_184793_92780	NW_004515864.1	Scaffold370	92780	GG	TT	1940447605
SNP_P1_184794_92909	NW_004515864.1	Scaffold370	92909	TT	CC	1940447606
SNP_P1_184795_92931	NW_004515864.1	Scaffold370	92931	AA	GG	1940447607
SNP_P1_184796_92988	NW_004515864.1	Scaffold370	92988	CC	TT	1940447608
SNP_P1_184797_93058	NW_004515864.1	Scaffold370	93058	CC	TT	1940447609
SNP_P1_184798_93085	NW_004515864.1	Scaffold370	93085	GG	AA	1940447610
SNP_P1_184799_93113	NW_004515864.1	Scaffold370	93113	TT	GG	1940447611
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SNP_P1_184801_93282	NW_004515864.1	Scaffold370	93282	AA	GG	1940447613
SNP_P1_184802_93319	NW_004515864.1	Scaffold370	93319	TT	CC	1940447614
SNP_P1_184803_94109	NW_004515864.1	Scaffold370	94109	CC	TT	1940447615
SNP_P1_184804_94126	NW_004515864.1	Scaffold370	94126	GG	AA	1940447616
SNP_P1_184805_94449	NW_004515864.1	Scaffold370	94449	GG	CC	1940447617
SNP_P1_184806_94702	NW_004515864.1	Scaffold370	94702	AA	TT	1940447618
SNP_P1_184807_94897	NW_004515864.1	Scaffold370	94897	AA	CC	1940447619
SNP_P1_184808_94912	NW_004515864.1	Scaffold370	94912	CC	GG	1940447620
SNP_P1_184809_95195	NW_004515864.1	Scaffold370	95195	CC	TT	1940447621
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SNP_P1_184811_95297	NW_004515864.1	Scaffold370	95297	TT	CC	1940447623
SNP_P1_184812_95483	NW_004515864.1	Scaffold370	95483	GG	TT	1940447624
SNP_P1_184813_95504	NW_004515864.1	Scaffold370	95504	GG	CC	1940447625
SNP_P1_184814_95651	NW_004515864.1	Scaffold370	95651	AA	GG	1940447626
SNP_P1_184815_95878	NW_004515864.1	Scaffold370	95878	GG	TT	1940447627
SNP_P1_184816_99867	NW_004515864.1	Scaffold370	99867	CC	TT	1940447628
SNP_P1_184817_99887	NW_004515864.1	Scaffold370	99887	GG	TT	1940447629
SNP_P1_184818_99909	NW_004515864.1	Scaffold370	99909	GG	TT	1940447630
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SNP_P1_184820_99945	NW_004515864.1	Scaffold370	99945	TT	AA	1940447632
SNP_P1_184821_100064	NW_004515864.1	Scaffold370	100064	TT	GG	1940447633

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184823_100388	NW_004515864.1	Scaffold370	100388	CC	AA	1940447635
SNP_P1_184824_100389	NW_004515864.1	Scaffold370	100389	AA	TT	1940447636
SNP_P1_184825_100396	NW_004515864.1	Scaffold370	100396	GG	AA	1940447637
SNP_P1_184826_100403	NW_004515864.1	Scaffold370	100403	GG	AA	1940447638
SNP_P1_184827_100404	NW_004515864.1	Scaffold370	100404	TT	AA	1940447639
SNP_P1_184828_100484	NW_004515864.1	Scaffold370	100484	CC	AA	1940447640
SNP_P1_184829_100486	NW_004515864.1	Scaffold370	100486	TT	CC	1940447641
SNP_P1_184830_100510	NW_004515864.1	Scaffold370	100510	GG	AA	1940447642
SNP_P1_184831_100606	NW_004515864.1	Scaffold370	100606	AA	GG	1940447643
SNP_P1_184832_100862	NW_004515864.1	Scaffold370	100862	CC	AA	1940447644
SNP_P1_184833_100882	NW_004515864.1	Scaffold370	100882	TT	CC	1940447645
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SNP_P1_184835_100898	NW_004515864.1	Scaffold370	100898	GG	AA	1940447647
SNP_P1_184836_100922	NW_004515864.1	Scaffold370	100922	GG	TT	1940447648
SNP_P1_184837_101009	NW_004515864.1	Scaffold370	101009	AA	GG	1940447649
SNP_P1_184838_101019	NW_004515864.1	Scaffold370	101019	TT	AA	1940447650
SNP_P1_184839_101021	NW_004515864.1	Scaffold370	101021	CC	AA	1940447651
SNP_P1_184840_101031	NW_004515864.1	Scaffold370	101031	TT	CC	1940447652
SNP_P1_184842_101101	NW_004515864.1	Scaffold370	101101	AA	GG	1940447653
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SNP_P1_184844_101185	NW_004515864.1	Scaffold370	101185	CC	AA	1940447655
SNP_P1_184845_102378	NW_004515864.1	Scaffold370	102378	TT	CC	1940447656
SNP_P1_184846_102515	NW_004515864.1	Scaffold370	102515	GG	AA	1940447657
SNP_P1_184847_102561	NW_004515864.1	Scaffold370	102561	AA	GG	1940447658
SNP_P1_184848_102571	NW_004515864.1	Scaffold370	102571	TT	GG	1940447659
SNP_P1_184849_102579	NW_004515864.1	Scaffold370	102579	AA	CC	1940447660
SNP_P1_184850_102614	NW_004515864.1	Scaffold370	102614	TT	AA	1940447661
SNP_P1_184851_102637	NW_004515864.1	Scaffold370	102637	CC	TT	1940447662
SNP_P1_184852_102638	NW_004515864.1	Scaffold370	102638	CC	GG	1940447663
SNP_P1_184853_102942	NW_004515864.1	Scaffold370	102942	AA	GG	1940447664
SNP_P1_184854_102945	NW_004515864.1	Scaffold370	102945	AA	GG	1940447665
SNP_P1_184855_103037	NW_004515864.1	Scaffold370	103037	CC	AA	1940447666
SNP_P1_184856_103099	NW_004515864.1	Scaffold370	103099	AA	GG	1940447667
SNP_P1_184857_103473	NW_004515864.1	Scaffold370	103473	AA	CC	1940447668
SNP_P1_184858_103578	NW_004515864.1	Scaffold370	103578	TT	CC	1940447669
SNP_P1_184859_103579	NW_004515864.1	Scaffold370	103579	TT	CC	1940447670
SNP_P1_184860_104982	NW_004515864.1	Scaffold370	104982	TT	CC	1940447672
SNP_P1_184861_106131	NW_004515864.1	Scaffold370	106131	CC	GG	1940447673
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SNP_P1_184863_106204	NW_004515864.1	Scaffold370	106204	AA	CC	1940447675
SNP_P1_184864_106493	NW_004515864.1	Scaffold370	106493	GG	CC	1940447676

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184866_106630	NW_004515864.1	Scaffold370	106630	AA	TT	1940447678
SNP_P1_184867_106631	NW_004515864.1	Scaffold370	106631	AA	CC	1940447679
SNP_P1_184868_107019	NW_004515864.1	Scaffold370	107019	TT	GG	1940447680
SNP_P1_184869_107126	NW_004515864.1	Scaffold370	107126	CC	TT	1940447681
SNP_P1_184870_107129	NW_004515864.1	Scaffold370	107129	CC	GG	1940447682
SNP_P1_184871_107213	NW_004515864.1	Scaffold370	107213	CC	TT	1940447683
SNP_P1_184872_107238	NW_004515864.1	Scaffold370	107238	AA	GG	1940447684
SNP_P1_184873_107409	NW_004515864.1	Scaffold370	107409	AA	TT	1940447685
SNP_P1_184874_107445	NW_004515864.1	Scaffold370	107445	GG	TT	1940447686
SNP_P1_184875_107450	NW_004515864.1	Scaffold370	107450	TT	CC	1940447687
SNP_P1_184876_107456	NW_004515864.1	Scaffold370	107456	AA	GG	1940447688
SNP_P1_184877_107492	NW_004515864.1	Scaffold370	107492	TT	AA	1940447689
SNP_P1_184878_107856	NW_004515864.1	Scaffold370	107856	CC	AA	1940447690
SNP_P1_184879_107941	NW_004515864.1	Scaffold370	107941	GG	AA	1940447691
SNP_P1_184880_108013	NW_004515864.1	Scaffold370	108013	TT	CC	1940447692
SNP_P1_184881_108143	NW_004515864.1	Scaffold370	108143	GG	TT	1940447693
SNP_P1_184882_108166	NW_004515864.1	Scaffold370	108166	TT	GG	1940447694
SNP_P1_184883_109478	NW_004515864.1	Scaffold370	109478	GG	AA	1940447695
SNP_P1_184884_109547	NW_004515864.1	Scaffold370	109547	CC	AA	1940447696
SNP_P1_184885_109552	NW_004515864.1	Scaffold370	109552	TT	AA	1940447697
SNP_P1_184886_109553	NW_004515864.1	Scaffold370	109553	GG	TT	1940447698
SNP_P1_184887_109554	NW_004515864.1	Scaffold370	109554	TT	AA	1940447699
SNP_P1_184888_110216	NW_004515864.1	Scaffold370	110216	AA	GG	1940447700
SNP_P1_184889_110232	NW_004515864.1	Scaffold370	110232	GG	TT	1940447701
SNP_P1_184890_110244	NW_004515864.1	Scaffold370	110244	AA	TT	1940447702
SNP_P1_184891_110378	NW_004515864.1	Scaffold370	110378	CC	TT	1940447703
SNP_P1_184892_110390	NW_004515864.1	Scaffold370	110390	CC	AA	1940447704
SNP_P1_184893_110396	NW_004515864.1	Scaffold370	110396	TT	CC	1940447705
SNP_P1_184894_110470	NW_004515864.1	Scaffold370	110470	CC	AA	1940447706
SNP_P1_184895_110494	NW_004515864.1	Scaffold370	110494	AA	TT	1940447707
SNP_P1_184896_110511	NW_004515864.1	Scaffold370	110511	GG	AA	1940447708
SNP_P1_184897_110612	NW_004515864.1	Scaffold370	110612	GG	AA	1940447709
SNP_P1_184898_110656	NW_004515864.1	Scaffold370	110656	TT	CC	1940447710
SNP_P1_184899_110675	NW_004515864.1	Scaffold370	110675	GG	TT	1940447711
SNP_P1_184900_110847	NW_004515864.1	Scaffold370	110847	GG	AA	1940447712
SNP_P1_184901_110876	NW_004515864.1	Scaffold370	110876	TT	CC	1940447713
SNP_P1_184902_110950	NW_004515864.1	Scaffold370	110950	GG	AA	1940447714
SNP_P1_184903_111135	NW_004515864.1	Scaffold370	111135	CC	AA	1940447715
SNP_P1_184904_111954	NW_004515864.1	Scaffold370	111954	AA	GG	1940447716
SNP_P1_184905_112405	NW_004515864.1	Scaffold370	112405	AA	TT	1940447717
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184909_122696	NW_004515864.1	Scaffold370	122696	TT	AA	1940447721
SNP_P1_184910_122802	NW_004515864.1	Scaffold370	122802	CC	AA	1940447722
SNP_P1_184911_123004	NW_004515864.1	Scaffold370	123004	GG	CC	1940447723
SNP_P1_184912_123010	NW_004515864.1	Scaffold370	123010	AA	CC	1940447724
SNP_P1_184913_123016	NW_004515864.1	Scaffold370	123016	AA	CC	1940447725
SNP_P1_184914_123062	NW_004515864.1	Scaffold370	123062	AA	GG	1940447726
SNP_P1_184915_123071	NW_004515864.1	Scaffold370	123071	CC	AA	1940447727
SNP_P1_184916_123108	NW_004515864.1	Scaffold370	123108	TT	CC	1940447728
SNP_P1_184917_125394	NW_004515864.1	Scaffold370	125394	TT	AA	1940447729
SNP_P1_184918_125478	NW_004515864.1	Scaffold370	125478	AA	TT	1940447730
SNP_P1_184919_125512	NW_004515864.1	Scaffold370	125512	AA	GG	1940447731
SNP_P1_184920_131288	NW_004515864.1	Scaffold370	131288	GG	AA	1940447732
SNP_P1_184921_131321	NW_004515864.1	Scaffold370	131321	CC	TT	1940447733
SNP_P1_184922_135375	NW_004515864.1	Scaffold370	135375	CC	TT	1940447734
SNP_P1_184923_136001	NW_004515864.1	Scaffold370	136001	TT	CC	1940447735
SNP_P1_184924_136071	NW_004515864.1	Scaffold370	136071	AA	GG	1940447736
SNP_P1_184925_136097	NW_004515864.1	Scaffold370	136097	CC	TT	1940447737
SNP_P1_184926_137460	NW_004515864.1	Scaffold370	137460	TT	CC	1940447738
SNP_P1_184927_137473	NW_004515864.1	Scaffold370	137473	TT	CC	1940447739
SNP_P1_184928_137525	NW_004515864.1	Scaffold370	137525	AA	CC	1940447740
SNP_P1_184929_137864	NW_004515864.1	Scaffold370	137864	GG	AA	1940447741
SNP_P1_184930_139316	NW_004515864.1	Scaffold370	139316	TT	CC	1940447742
SNP_P1_184931_141303	NW_004515864.1	Scaffold370	141303	AA	CC	1940447743
SNP_P1_184932_141334	NW_004515864.1	Scaffold370	141334	AA	TT	1940447744
SNP_P1_184933_142802	NW_004515864.1	Scaffold370	142802	GG	AA	1940447745
SNP_P1_184934_147605	NW_004515864.1	Scaffold370	147605	TT	AA	1940447746
SNP_P1_184935_159245	NW_004515864.1	Scaffold370	159245	AA	GG	1940447747
SNP_P1_184936_159316	NW_004515864.1	Scaffold370	159316	CC	TT	1940447748
SNP_P1_184937_159381	NW_004515864.1	Scaffold370	159381	CC	TT	1940447749
SNP_P1_184938_159384	NW_004515864.1	Scaffold370	159384	CC	TT	1940447750
SNP_P1_184939_159393	NW_004515864.1	Scaffold370	159393	GG	CC	1940447751
SNP_P1_184940_160278	NW_004515864.1	Scaffold370	160278	TT	AA	1940447752
SNP_P1_184941_163859	NW_004515864.1	Scaffold370	163859	GG	TT	1940447753
SNP_P1_184943_163917	NW_004515864.1	Scaffold370	163917	TT	CC	1940447754
SNP_P1_184944_163930	NW_004515864.1	Scaffold370	163930	GG	TT	1940447755
SNP_P1_184945_164229	NW_004515864.1	Scaffold370	164229	AA	GG	1940447756
SNP_P1_184946_164252	NW_004515864.1	Scaffold370	164252	TT	CC	1940447757
SNP_P1_184947_164267	NW_004515864.1	Scaffold370	164267	GG	TT	1940447758
SNP_P1_184948_164283	NW_004515864.1	Scaffold370	164283	AA	TT	1940447759
SNP_P1_184949_164468	NW_004515864.1	Scaffold370	164468	TT	CC	1940447760

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184951_164825	NW_004515864.1	Scaffold370	164825	TT	CC	1940447762
SNP_P1_184952_166508	NW_004515864.1	Scaffold370	166508	CC	TT	1940447763
SNP_P1_184953_166523	NW_004515864.1	Scaffold370	166523	CC	TT	1940447764
SNP_P1_184954_166778	NW_004515864.1	Scaffold370	166778	GG	AA	1940447765
SNP_P1_184955_166876	NW_004515864.1	Scaffold370	166876	TT	CC	1940447766
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SNP_P1_184957_175150	NW_004515864.1	Scaffold370	175150	TT	GG	1940447768
SNP_P1_184958_180743	NW_004515864.1	Scaffold370	180743	TT	AA	1940447769
SNP_P1_184959_180842	NW_004515864.1	Scaffold370	180842	TT	CC	1940447770
SNP_P1_184960_181592	NW_004515864.1	Scaffold370	181592	AA	GG	1940447771
SNP_P1_184961_181644	NW_004515864.1	Scaffold370	181644	CC	TT	1940447772
SNP_P1_184962_181747	NW_004515864.1	Scaffold370	181747	CC	AA	1940447773
SNP_P1_184963_181785	NW_004515864.1	Scaffold370	181785	GG	TT	1940447774
SNP_P1_184964_181792	NW_004515864.1	Scaffold370	181792	AA	CC	1940447775
SNP_P1_184965_182300	NW_004515864.1	Scaffold370	182300	TT	CC	1940447776
SNP_P1_184966_182331	NW_004515864.1	Scaffold370	182331	TT	CC	1940447777
SNP_P1_184967_182343	NW_004515864.1	Scaffold370	182343	AA	GG	1940447778
SNP_P1_184968_182520	NW_004515864.1	Scaffold370	182520	TT	CC	1940447779
SNP_P1_184969_182671	NW_004515864.1	Scaffold370	182671	GG	TT	1940447780
SNP_P1_184970_182880	NW_004515864.1	Scaffold370	182880	AA	GG	1940447781
SNP_P1_184971_183250	NW_004515864.1	Scaffold370	183250	CC	TT	1940447782
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SNP_P1_184973_183270	NW_004515864.1	Scaffold370	183270	AA	CC	1940447784
SNP_P1_184974_187914	NW_004515864.1	Scaffold370	187914	AA	GG	1940447785
SNP_P1_184975_188605	NW_004515864.1	Scaffold370	188605	GG	AA	1940447786
SNP_P1_184976_192376	NW_004515864.1	Scaffold370	192376	CC	TT	1940447787
SNP_P1_184977_192469	NW_004515864.1	Scaffold370	192469	AA	TT	1940447788
SNP_P1_184978_204288	NW_004515864.1	Scaffold370	204288	TT	CC	1940447789
SNP_P1_184979_837	NW_004515865.1	Scaffold373	837	CC	TT	1940447790
SNP_P1_184981_971	NW_004515865.1	Scaffold373	971	GG	TT	1940447791
SNP_P1_184982_978	NW_004515865.1	Scaffold373	978	TT	GG	1940447792
SNP_P1_184983_1229	NW_004515865.1	Scaffold373	1229	AA	CC	1940447793
SNP_P1_184984_1370	NW_004515865.1	Scaffold373	1370	GG	TT	1940447794
SNP_P1_184985_1396	NW_004515865.1	Scaffold373	1396	TT	AA	1940447795
SNP_P1_184986_1413	NW_004515865.1	Scaffold373	1413	TT	CC	1940447796
SNP_P1_184987_1428	NW_004515865.1	Scaffold373	1428	AA	GG	1940447797
SNP_P1_184988_1442	NW_004515865.1	Scaffold373	1442	AA	TT	1940447798
SNP_P1_184989_1457	NW_004515865.1	Scaffold373	1457	AA	TT	1940447799
SNP_P1_184990_1603	NW_004515865.1	Scaffold373	1603	TT	GG	1940447800
SNP_P1_184991_2201	NW_004515865.1	Scaffold373	2201	TT	AA	1940447801
SNP_P1_184992_4993	NW_004515865.1	Scaffold373	4993	GG	TT	1940447802

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_184995_25107	NW_004515865.1	Scaffold373	25107	TT	CC	1940447804
SNP_P1_184996_25118	NW_004515865.1	Scaffold373	25118	AA	CC	1940447805
SNP_P1_184997_25372	NW_004515865.1	Scaffold373	25372	AA	GG	1940447806
SNP_P1_184998_25373	NW_004515865.1	Scaffold373	25373	GG	AA	1940447807
SNP_P1_184999_25461	NW_004515865.1	Scaffold373	25461	TT	AA	1940447808
SNP_P1_185000_25534	NW_004515865.1	Scaffold373	25534	TT	CC	1940447809
SNP_P1_185001_25686	NW_004515865.1	Scaffold373	25686	AA	TT	1940447810
SNP_P1_185002_25690	NW_004515865.1	Scaffold373	25690	AA	TT	1940447811
SNP_P1_185003_25701	NW_004515865.1	Scaffold373	25701	TT	GG	1940447812
SNP_P1_185004_25767	NW_004515865.1	Scaffold373	25767	AA	CC	1940447813
SNP_P1_185005_25847	NW_004515865.1	Scaffold373	25847	CC	TT	1940447814
SNP_P1_185007_25908	NW_004515865.1	Scaffold373	25908	TT	CC	1940447815
SNP_P1_185008_34741	NW_004515865.1	Scaffold373	34741	GG	AA	1940447816
SNP_P1_185009_41154	NW_004515865.1	Scaffold373	41154	AA	GG	1940447818
SNP_P1_185010_50151	NW_004515865.1	Scaffold373	50151	AA	TT	1940447819
SNP_P1_185011_1516	NW_004515866.1	Scaffold374	1516	GG	AA	1940447820
SNP_P1_185012_1579	NW_004515866.1	Scaffold374	1579	CC	TT	1940447821
SNP_P1_185013_2231	NW_004515866.1	Scaffold374	2231	CC	TT	1940447822
SNP_P1_185014_2263	NW_004515866.1	Scaffold374	2263	AA	GG	1940447823
SNP_P1_185015_2687	NW_004515866.1	Scaffold374	2687	AA	GG	1940447824
SNP_P1_185016_2825	NW_004515866.1	Scaffold374	2825	TT	CC	1940447825
SNP_P1_185017_12991	NW_004515866.1	Scaffold374	12991	AA	GG	1940447826
SNP_P1_185020_23664	NW_004515866.1	Scaffold374	23664	CC	AA	1940447827
SNP_P1_185021_23912	NW_004515866.1	Scaffold374	23912	AA	GG	1940447828
SNP_P1_185022_41075	NW_004515866.1	Scaffold374	41075	TT	CC	1940447829
SNP_P1_185023_47694	NW_004515866.1	Scaffold374	47694	TT	CC	1940447830
SNP_P1_185024_47715	NW_004515866.1	Scaffold374	47715	AA	GG	1940447831
SNP_P1_185025_47730	NW_004515866.1	Scaffold374	47730	TT	GG	1940447832
SNP_P1_185026_47811	NW_004515866.1	Scaffold374	47811	AA	GG	1940447833
SNP_P1_185027_47816	NW_004515866.1	Scaffold374	47816	CC	TT	1940447834
SNP_P1_185028_47826	NW_004515866.1	Scaffold374	47826	AA	GG	1940447835
SNP_P1_185029_47856	NW_004515866.1	Scaffold374	47856	TT	CC	1940447836
SNP_P1_185030_47881	NW_004515866.1	Scaffold374	47881	AA	GG	1940447837
SNP_P1_185031_47885	NW_004515866.1	Scaffold374	47885	AA	GG	1940447838
SNP_P1_185032_47921	NW_004515866.1	Scaffold374	47921	AA	GG	1940447839
SNP_P1_185033_47967	NW_004515866.1	Scaffold374	47967	AA	GG	1940447840
SNP_P1_185034_47971	NW_004515866.1	Scaffold374	47971	TT	GG	1940447841
SNP_P1_185035_48262	NW_004515866.1	Scaffold374	48262	TT	GG	1940447842
SNP_P1_185036_48300	NW_004515866.1	Scaffold374	48300	TT	CC	1940447843
SNP_P1_185037_49381	NW_004515866.1	Scaffold374	49381	GG	AA	1940447844
SNP_P1_185038_49662	NW_004515866.1	Scaffold374	49662	TT	CC	1940447845

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_185039_52051	NW_004515866.1	Scaffold374	52051	AA	TT	1940447846
SNP_P1_185040_52952	NW_004515866.1	Scaffold374	52952	CC	TT	1940447847
SNP_P1_185041_53215	NW_004515866.1	Scaffold374	53215	AA	GG	1940447848
SNP_P1_185042_76808	NW_004515866.1	Scaffold374	76808	CC	TT	1940447849
SNP_P1_185043_77063	NW_004515866.1	Scaffold374	77063	CC	TT	1940447850
SNP_P1_185044_77110	NW_004515866.1	Scaffold374	77110	GG	AA	1940447851
SNP_P1_185045_77170	NW_004515866.1	Scaffold374	77170	TT	AA	1940447852
SNP_P1_185046_77182	NW_004515866.1	Scaffold374	77182	GG	AA	1940447853
SNP_P1_185047_83780	NW_004515866.1	Scaffold374	83780	AA	TT	1940447854
SNP_P1_185048_117549	NW_004515866.1	Scaffold374	117549	AA	GG	1940447855
SNP_P1_185049_117552	NW_004515866.1	Scaffold374	117552	GG	CC	1940447856
SNP_P1_185050_117729	NW_004515866.1	Scaffold374	117729	AA	GG	1940447857
SNP_P1_185051_118531	NW_004515866.1	Scaffold374	118531	GG	AA	1940447858
SNP_P1_185052_118558	NW_004515866.1	Scaffold374	118558	TT	GG	1940447859
SNP_P1_185054_118693	NW_004515866.1	Scaffold374	118693	AA	TT	1940447860
SNP_P1_185055_118918	NW_004515866.1	Scaffold374	118918	GG	AA	1940447861
SNP_P1_185056_118950	NW_004515866.1	Scaffold374	118950	AA	CC	1940447862
SNP_P1_185057_119019	NW_004515866.1	Scaffold374	119019	GG	TT	1940447863
SNP_P1_185058_119555	NW_004515866.1	Scaffold374	119555	GG	AA	1940447864
SNP_P1_185059_119567	NW_004515866.1	Scaffold374	119567	TT	AA	1940447865
SNP_P1_185060_119822	NW_004515866.1	Scaffold374	119822	GG	AA	1940447866
SNP_P1_185061_120052	NW_004515866.1	Scaffold374	120052	CC	GG	1940447867
SNP_P1_185062_120118	NW_004515866.1	Scaffold374	120118	AA	CC	1940447868
SNP_P1_185063_120220	NW_004515866.1	Scaffold374	120220	CC	TT	1940447869
SNP_P1_185064_120234	NW_004515866.1	Scaffold374	120234	TT	CC	1940447870
SNP_P1_185065_120250	NW_004515866.1	Scaffold374	120250	TT	CC	1940447871
SNP_P1_185066_121259	NW_004515866.1	Scaffold374	121259	TT	CC	1940447872
SNP_P1_185067_121859	NW_004515866.1	Scaffold374	121859	TT	AA	1940447873
SNP_P1_185068_121892	NW_004515866.1	Scaffold374	121892	TT	GG	1940447874
SNP_P1_185069_121899	NW_004515866.1	Scaffold374	121899	CC	TT	1940447875
SNP_P1_185070_121914	NW_004515866.1	Scaffold374	121914	TT	AA	1940447876
SNP_P1_185071_121953	NW_004515866.1	Scaffold374	121953	GG	AA	1940447877
SNP_P1_185072_121965	NW_004515866.1	Scaffold374	121965	TT	CC	1940447878
SNP_P1_185073_121978	NW_004515866.1	Scaffold374	121978	GG	AA	1940447879
SNP_P1_185074_121987	NW_004515866.1	Scaffold374	121987	GG	AA	1940447880
SNP_P1_185075_121988	NW_004515866.1	Scaffold374	121988	AA	GG	1940447881
SNP_P1_185076_122170	NW_004515866.1	Scaffold374	122170	GG	AA	1940447882
SNP_P1_185077_123210	NW_004515866.1	Scaffold374	123210	GG	AA	1940447883
SNP_P1_185078_123236	NW_004515866.1	Scaffold374	123236	AA	GG	1940447884
SNP_P1_185079_123267	NW_004515866.1	Scaffold374	123267	TT	AA	1940447885
SNP_P1_185081_128495	NW_004515866.1	Scaffold374	128495	GG	AA	1940447886
SNP_P1_185082_128540	NW_004515866.1	Scaffold374	128540	CC	TT	1940447887

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_185083_128576	NW_004515866.1	Scaffold374	128576	GG	CC	1940447888
SNP_P1_185084_128794	NW_004515866.1	Scaffold374	128794	TT	CC	1940447889
SNP_P1_185085_128831	NW_004515866.1	Scaffold374	128831	CC	TT	1940447890
SNP_P1_185086_128836	NW_004515866.1	Scaffold374	128836	CC	AA	1940447891
SNP_P1_185087_128840	NW_004515866.1	Scaffold374	128840	TT	CC	1940447892
SNP_P1_185088_128860	NW_004515866.1	Scaffold374	128860	CC	TT	1940447893
SNP_P1_185089_128924	NW_004515866.1	Scaffold374	128924	CC	TT	1940447894
SNP_P1_185090_128948	NW_004515866.1	Scaffold374	128948	CC	TT	1940447895
SNP_P1_185091_129092	NW_004515866.1	Scaffold374	129092	TT	CC	1940447896
SNP_P1_185092_129152	NW_004515866.1	Scaffold374	129152	TT	GG	1940447897
SNP_P1_185093_129246	NW_004515866.1	Scaffold374	129246	TT	CC	1940447898
SNP_P1_185094_129331	NW_004515866.1	Scaffold374	129331	TT	AA	1940447899
SNP_P1_185095_135172	NW_004515866.1	Scaffold374	135172	GG	AA	1940447900
SNP_P1_185096_138278	NW_004515866.1	Scaffold374	138278	CC	TT	1940447901
SNP_P1_185097_138280	NW_004515866.1	Scaffold374	138280	GG	TT	1940447902
SNP_P1_185098_138587	NW_004515866.1	Scaffold374	138587	GG	AA	1940447903
SNP_P1_185099_138618	NW_004515866.1	Scaffold374	138618	AA	CC	1940447904
SNP_P1_185100_141992	NW_004515866.1	Scaffold374	141992	CC	TT	1940447905
SNP_P1_185102_142015	NW_004515866.1	Scaffold374	142015	AA	GG	1940447906
SNP_P1_185103_142046	NW_004515866.1	Scaffold374	142046	CC	AA	1940447907
SNP_P1_185104_142057	NW_004515866.1	Scaffold374	142057	AA	TT	1940447908
SNP_P1_185106_142062	NW_004515866.1	Scaffold374	142062	CC	AA	1940447909
SNP_P1_185107_142072	NW_004515866.1	Scaffold374	142072	AA	TT	1940447910
SNP_P1_185108_142080	NW_004515866.1	Scaffold374	142080	TT	AA	1940447911
SNP_P1_185109_142125	NW_004515866.1	Scaffold374	142125	TT	GG	1940447912
SNP_P1_185110_142141	NW_004515866.1	Scaffold374	142141	GG	AA	1940447913
SNP_P1_185111_142142	NW_004515866.1	Scaffold374	142142	TT	CC	1940447914
SNP_P1_185112_142145	NW_004515866.1	Scaffold374	142145	TT	AA	1940447915
SNP_P1_185113_142359	NW_004515866.1	Scaffold374	142359	TT	AA	1940447916
SNP_P1_185114_142428	NW_004515866.1	Scaffold374	142428	CC	AA	1940447917
SNP_P1_185115_142445	NW_004515866.1	Scaffold374	142445	TT	GG	1940447918
SNP_P1_185116_147298	NW_004515866.1	Scaffold374	147298	GG	AA	1940447919
SNP_P1_185117_147305	NW_004515866.1	Scaffold374	147305	TT	CC	1940447920
SNP_P1_185118_147327	NW_004515866.1	Scaffold374	147327	GG	AA	1940447921
SNP_P1_185119_147336	NW_004515866.1	Scaffold374	147336	AA	TT	1940447922
SNP_P1_185120_147379	NW_004515866.1	Scaffold374	147379	TT	AA	1940447923
SNP_P1_185121_149255	NW_004515866.1	Scaffold374	149255	CC	AA	1940447924
SNP_P1_185122_149256	NW_004515866.1	Scaffold374	149256	CC	TT	1940447925
SNP_P1_185123_149465	NW_004515866.1	Scaffold374	149465	AA	TT	1940447926
SNP_P1_185125_149563	NW_004515866.1	Scaffold374	149563	TT	AA	1940447927
SNP_P1_185126_149565	NW_004515866.1	Scaffold374	149565	TT	CC	1940447928
SNP_P1_185127_149601	NW_004515866.1	Scaffold374	149601	AA	GG	1940447929

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185129_149731	NW_004515866.1	Scaffold374	149731	AA	CC	1940447931
SNP_P1_185131_154757	NW_004515866.1	Scaffold374	154757	AA	CC	1940447932
SNP_P1_185132_155119	NW_004515866.1	Scaffold374	155119	AA	TT	1940447933
SNP_P1_185133_156390	NW_004515866.1	Scaffold374	156390	AA	GG	1940447934
SNP_P1_185134_156453	NW_004515866.1	Scaffold374	156453	TT	CC	1940447935
SNP_P1_185135_156704	NW_004515866.1	Scaffold374	156704	TT	GG	1940447936
SNP_P1_185136_156728	NW_004515866.1	Scaffold374	156728	AA	GG	1940447937
SNP_P1_185137_157366	NW_004515866.1	Scaffold374	157366	TT	CC	1940447938
SNP_P1_185138_157403	NW_004515866.1	Scaffold374	157403	TT	CC	1940447939
SNP_P1_185139_157413	NW_004515866.1	Scaffold374	157413	TT	GG	1940447940
SNP_P1_185140_157441	NW_004515866.1	Scaffold374	157441	TT	AA	1940447941
SNP_P1_185142_161775	NW_004515866.1	Scaffold374	161775	TT	CC	1940447942
SNP_P1_185143_165391	NW_004515866.1	Scaffold374	165391	GG	AA	1940447943
SNP_P1_185145_193433	NW_004515866.1	Scaffold374	193433	AA	GG	1940447944
SNP_P1_185146_194041	NW_004515866.1	Scaffold374	194041	GG	AA	1940447945
SNP_P1_185147_196118	NW_004515866.1	Scaffold374	196118	AA	CC	1940447946
SNP_P1_185148_196138	NW_004515866.1	Scaffold374	196138	GG	TT	1940447947
SNP_P1_185149_196150	NW_004515866.1	Scaffold374	196150	AA	GG	1940447948
SNP_P1_185150_196157	NW_004515866.1	Scaffold374	196157	AA	CC	1940447949
SNP_P1_185151_196165	NW_004515866.1	Scaffold374	196165	AA	GG	1940447950
SNP_P1_185152_196215	NW_004515866.1	Scaffold374	196215	TT	AA	1940447951
SNP_P1_185153_196217	NW_004515866.1	Scaffold374	196217	GG	AA	1940447952
SNP_P1_185154_196247	NW_004515866.1	Scaffold374	196247	CC	GG	1940447953
SNP_P1_185155_196261	NW_004515866.1	Scaffold374	196261	GG	AA	1940447954
SNP_P1_185156_196409	NW_004515866.1	Scaffold374	196409	TT	CC	1940447955
SNP_P1_185157_196424	NW_004515866.1	Scaffold374	196424	TT	CC	1940447956
SNP_P1_185158_200006	NW_004515866.1	Scaffold374	200006	TT	GG	1940447957
SNP_P1_185159_200180	NW_004515866.1	Scaffold374	200180	AA	TT	1940447958
SNP_P1_185160_202772	NW_004515866.1	Scaffold374	202772	CC	AA	1940447959
SNP_P1_185161_202814	NW_004515866.1	Scaffold374	202814	CC	TT	1940447961
SNP_P1_185162_203047	NW_004515866.1	Scaffold374	203047	CC	TT	1940447962
SNP_P1_185163_203052	NW_004515866.1	Scaffold374	203052	TT	CC	1940447963
SNP_P1_185164_203451	NW_004515866.1	Scaffold374	203451	CC	GG	1940447964
SNP_P1_185165_204002	NW_004515866.1	Scaffold374	204002	AA	CC	1940447965
SNP_P1_185166_205502	NW_004515866.1	Scaffold374	205502	AA	TT	1940447966
SNP_P1_185167_205787	NW_004515866.1	Scaffold374	205787	GG	AA	1940447967
SNP_P1_185170_206219	NW_004515866.1	Scaffold374	206219	TT	AA	1940447968
SNP_P1_185171_206222	NW_004515866.1	Scaffold374	206222	GG	AA	1940447969
SNP_P1_185172_7454	NW_004515867.1	Scaffold377	7454	TT	AA	1940447970
SNP_P1_185173_7964	NW_004515867.1	Scaffold377	7964	GG	AA	1940447971
SNP_P1_185174_21976	NW_004515867.1	Scaffold377	21976	TT	GG	1940447972

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185176_30671	NW_004515867.1	Scaffold377	30671	CC	TT	1940447974
SNP_P1_185177_30744	NW_004515867.1	Scaffold377	30744	GG	AA	1940447975
SNP_P1_185178_30780	NW_004515867.1	Scaffold377	30780	AA	GG	1940447976
SNP_P1_185179_30814	NW_004515867.1	Scaffold377	30814	CC	TT	1940447977
SNP_P1_185180_30885	NW_004515867.1	Scaffold377	30885	AA	GG	1940447978
SNP_P1_185181_30992	NW_004515867.1	Scaffold377	30992	GG	AA	1940447979
SNP_P1_185182_31133	NW_004515867.1	Scaffold377	31133	CC	TT	1940447980
SNP_P1_185183_31186	NW_004515867.1	Scaffold377	31186	AA	GG	1940447981
SNP_P1_185184_31232	NW_004515867.1	Scaffold377	31232	GG	AA	1940447982
SNP_P1_185185_31272	NW_004515867.1	Scaffold377	31272	CC	TT	1940447983
SNP_P1_185186_38380	NW_004515867.1	Scaffold377	38380	TT	AA	1940447984
SNP_P1_185187_55878	NW_004515867.1	Scaffold377	55878	GG	AA	1940447985
SNP_P1_185188_75249	NW_004515867.1	Scaffold377	75249	GG	AA	1940447986
SNP_P1_185190_75462	NW_004515867.1	Scaffold377	75462	AA	TT	1940447987
SNP_P1_185191_75510	NW_004515867.1	Scaffold377	75510	AA	CC	1940447988
SNP_P1_185192_75551	NW_004515867.1	Scaffold377	75551	AA	GG	1940447989
SNP_P1_185193_75561	NW_004515867.1	Scaffold377	75561	TT	AA	1940447990
SNP_P1_185194_75569	NW_004515867.1	Scaffold377	75569	CC	AA	1940447991
SNP_P1_185195_75849	NW_004515867.1	Scaffold377	75849	GG	AA	1940447992
SNP_P1_185196_75850	NW_004515867.1	Scaffold377	75850	TT	CC	1940447993
SNP_P1_185197_75853	NW_004515867.1	Scaffold377	75853	TT	AA	1940447994
SNP_P1_185198_75904	NW_004515867.1	Scaffold377	75904	GG	AA	1940447995
SNP_P1_185199_87249	NW_004515867.1	Scaffold377	87249	GG	AA	1940447996
SNP_P1_185201_94995	NW_004515867.1	Scaffold377	94995	TT	AA	1940447997
SNP_P1_185202_98718	NW_004515867.1	Scaffold377	98718	CC	GG	1940447998
SNP_P1_185203_98792	NW_004515867.1	Scaffold377	98792	TT	CC	1940447999
SNP_P1_185204_98852	NW_004515867.1	Scaffold377	98852	CC	TT	1940448000
SNP_P1_185205_98914	NW_004515867.1	Scaffold377	98914	TT	AA	1940448001
SNP_P1_185206_105790	NW_004515867.1	Scaffold377	105790	TT	AA	1940448002
SNP_P1_185207_105791	NW_004515867.1	Scaffold377	105791	GG	AA	1940448003
SNP_P1_185208_114751	NW_004515867.1	Scaffold377	114751	CC	TT	1940448004
SNP_P1_185209_137278	NW_004515867.1	Scaffold377	137278	GG	AA	1940448005
SNP_P1_185210_139707	NW_004515867.1	Scaffold377	139707	TT	GG	1940448006
SNP_P1_185211_167621	NW_004515867.1	Scaffold377	167621	TT	CC	1940448007
SNP_P1_185212_168569	NW_004515867.1	Scaffold377	168569	GG	AA	1940448008
SNP_P1_185213_182512	NW_004515867.1	Scaffold377	182512	AA	GG	1940448009
SNP_P1_185214_182585	NW_004515867.1	Scaffold377	182585	TT	CC	1940448010
SNP_P1_185215_182602	NW_004515867.1	Scaffold377	182602	TT	GG	1940448011
SNP_P1_185216_191620	NW_004515867.1	Scaffold377	191620	AA	GG	1940448012
SNP_P1_185217_191656	NW_004515867.1	Scaffold377	191656	TT	GG	1940448013
SNP_P1_185218_191832	NW_004515867.1	Scaffold377	191832	AA	CC	1940448014

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185220_207558	NW_004515867.1	Scaffold377	207558	TT	GG	1940448016
SNP_P1_185221_207618	NW_004515867.1	Scaffold377	207618	TT	AA	1940448017
SNP_P1_185222_207661	NW_004515867.1	Scaffold377	207661	GG	TT	1940448018
SNP_P1_185223_214412	NW_004515867.1	Scaffold377	214412	GG	AA	1940448019
SNP_P1_185224_214767	NW_004515867.1	Scaffold377	214767	AA	GG	1940448020
SNP_P1_185225_214800	NW_004515867.1	Scaffold377	214800	CC	GG	1940448021
SNP_P1_185226_214832	NW_004515867.1	Scaffold377	214832	CC	GG	1940448022
SNP_P1_185227_223249	NW_004515867.1	Scaffold377	223249	GG	AA	1940448023
SNP_P1_185228_248987	NW_004515867.1	Scaffold377	248987	CC	TT	1940448024
SNP_P1_185229_250349	NW_004515867.1	Scaffold377	250349	AA	TT	1940448025
SNP_P1_185230_251272	NW_004515867.1	Scaffold377	251272	AA	GG	1940448026
SNP_P1_185232_251358	NW_004515867.1	Scaffold377	251358	GG	AA	1940448027
SNP_P1_185233_251392	NW_004515867.1	Scaffold377	251392	GG	AA	1940448028
SNP_P1_185234_251395	NW_004515867.1	Scaffold377	251395	AA	TT	1940448029
SNP_P1_185235_251401	NW_004515867.1	Scaffold377	251401	GG	AA	1940448030
SNP_P1_185236_251436	NW_004515867.1	Scaffold377	251436	AA	TT	1940448031
SNP_P1_185238_251489	NW_004515867.1	Scaffold377	251489	GG	AA	1940448032
SNP_P1_185239_251516	NW_004515867.1	Scaffold377	251516	AA	GG	1940448033
SNP_P1_185240_251523	NW_004515867.1	Scaffold377	251523	GG	AA	1940448034
SNP_P1_185241_251530	NW_004515867.1	Scaffold377	251530	AA	GG	1940448035
SNP_P1_185242_251534	NW_004515867.1	Scaffold377	251534	TT	CC	1940448036
SNP_P1_185243_251543	NW_004515867.1	Scaffold377	251543	AA	GG	1940448037
SNP_P1_185244_251571	NW_004515867.1	Scaffold377	251571	AA	GG	1940448038
SNP_P1_185245_251822	NW_004515867.1	Scaffold377	251822	AA	TT	1940448039
SNP_P1_185246_252519	NW_004515867.1	Scaffold377	252519	CC	TT	1940448040
SNP_P1_185247_261544	NW_004515867.1	Scaffold377	261544	GG	AA	1940448041
SNP_P1_185248_261578	NW_004515867.1	Scaffold377	261578	TT	AA	1940448042
SNP_P1_185249_261583	NW_004515867.1	Scaffold377	261583	AA	GG	1940448043
SNP_P1_185250_261670	NW_004515867.1	Scaffold377	261670	TT	CC	1940448044
SNP_P1_185251_262016	NW_004515867.1	Scaffold377	262016	AA	GG	1940448045
SNP_P1_185252_262058	NW_004515867.1	Scaffold377	262058	GG	AA	1940448046
SNP_P1_185253_263295	NW_004515867.1	Scaffold377	263295	TT	CC	1940448047
SNP_P1_185255_286595	NW_004515867.1	Scaffold377	286595	TT	CC	1940448048
SNP_P1_185256_331009	NW_004515867.1	Scaffold377	331009	CC	AA	1940448049
SNP_P1_185257_331048	NW_004515867.1	Scaffold377	331048	CC	TT	1940448050
SNP_P1_185258_331055	NW_004515867.1	Scaffold377	331055	GG	AA	1940448051
SNP_P1_185259_331083	NW_004515867.1	Scaffold377	331083	AA	TT	1940448052
SNP_P1_185261_339772	NW_004515867.1	Scaffold377	339772	AA	GG	1940448053
SNP_P1_185262_343090	NW_004515867.1	Scaffold377	343090	TT	CC	1940448054
SNP_P1_185263_350528	NW_004515867.1	Scaffold377	350528	GG	CC	1940448055
SNP_P1_185264_358325	NW_004515867.1	Scaffold377	358325	CC	TT	1940448056

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185266_372042	NW_004515867.1	Scaffold377	372042	TT	GG	1940448058
SNP_P1_185267_372043	NW_004515867.1	Scaffold377	372043	GG	TT	1940448059
SNP_P1_185268_372169	NW_004515867.1	Scaffold377	372169	AA	TT	1940448060
SNP_P1_185269_375069	NW_004515867.1	Scaffold377	375069	TT	CC	1940448061
SNP_P1_185270_377399	NW_004515867.1	Scaffold377	377399	GG	AA	1940448062
SNP_P1_185271_389761	NW_004515867.1	Scaffold377	389761	CC	AA	1940448063
SNP_P1_185272_393624	NW_004515867.1	Scaffold377	393624	AA	GG	1940448064
SNP_P1_185273_394431	NW_004515867.1	Scaffold377	394431	TT	CC	1940448065
SNP_P1_185274_394467	NW_004515867.1	Scaffold377	394467	GG	TT	1940448066
SNP_P1_185275_400077	NW_004515867.1	Scaffold377	400077	AA	GG	1940448067
SNP_P1_185276_400093	NW_004515867.1	Scaffold377	400093	GG	AA	1940448068
SNP_P1_185277_400137	NW_004515867.1	Scaffold377	400137	CC	TT	1940448069
SNP_P1_185279_400204	NW_004515867.1	Scaffold377	400204	GG	AA	1940448070
SNP_P1_185282_400426	NW_004515867.1	Scaffold377	400426	AA	GG	1940448071
SNP_P1_185283_400450	NW_004515867.1	Scaffold377	400450	AA	GG	1940448072
SNP_P1_185284_400509	NW_004515867.1	Scaffold377	400509	GG	AA	1940448073
SNP_P1_185285_400563	NW_004515867.1	Scaffold377	400563	AA	GG	1940448074
SNP_P1_185286_418994	NW_004515867.1	Scaffold377	418994	TT	AA	1940448075
SNP_P1_185287_419516	NW_004515867.1	Scaffold377	419516	CC	TT	1940448076
SNP_P1_185288_426939	NW_004515867.1	Scaffold377	426939	AA	TT	1940448077
SNP_P1_185289_426945	NW_004515867.1	Scaffold377	426945	CC	TT	1940448078
SNP_P1_185290_428016	NW_004515867.1	Scaffold377	428016	CC	TT	1940448079
SNP_P1_185291_432420	NW_004515867.1	Scaffold377	432420	TT	CC	1940448080
SNP_P1_185292_433515	NW_004515867.1	Scaffold377	433515	AA	TT	1940448081
SNP_P1_185293_434116	NW_004515867.1	Scaffold377	434116	AA	TT	1940448082
SNP_P1_185294_434149	NW_004515867.1	Scaffold377	434149	CC	TT	1940448083
SNP_P1_185295_20629	NW_004515869.1	Scaffold379	20629	GG	CC	1940448084
SNP_P1_185296_20635	NW_004515869.1	Scaffold379	20635	CC	TT	1940448085
SNP_P1_185297_20783	NW_004515869.1	Scaffold379	20783	CC	AA	1940448086
SNP_P1_185299_22745	NW_004515869.1	Scaffold379	22745	AA	CC	1940448087
SNP_P1_185300_22857	NW_004515869.1	Scaffold379	22857	TT	GG	1940448088
SNP_P1_185302_71600	NW_004515869.1	Scaffold379	71600	TT	CC	1940448089
SNP_P1_185303_91586	NW_004515869.1	Scaffold379	91586	AA	GG	1940448090
SNP_P1_185304_93076	NW_004515869.1	Scaffold379	93076	TT	AA	1940448091
SNP_P1_185305_93077	NW_004515869.1	Scaffold379	93077	TT	AA	1940448092
SNP_P1_185306_93790	NW_004515869.1	Scaffold379	93790	TT	CC	1940448093
SNP_P1_185307_93791	NW_004515869.1	Scaffold379	93791	CC	TT	1940448094
SNP_P1_185308_106207	NW_004515869.1	Scaffold379	106207	CC	TT	1940448095
SNP_P1_185309_108186	NW_004515869.1	Scaffold379	108186	CC	TT	1940448096
SNP_P1_185310_108217	NW_004515869.1	Scaffold379	108217	TT	CC	1940448097
SNP_P1_185311_108245	NW_004515869.1	Scaffold379	108245	TT	CC	1940448098

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185313_108310	NW_004515869.1	Scaffold379	108310	GG	AA	1940448100
SNP_P1_185314_108328	NW_004515869.1	Scaffold379	108328	GG	AA	1940448101
SNP_P1_185317_135757	NW_004515869.1	Scaffold379	135757	CC	AA	1940448102
SNP_P1_185318_135875	NW_004515869.1	Scaffold379	135875	CC	GG	1940448103
SNP_P1_185320_136256	NW_004515869.1	Scaffold379	136256	AA	TT	1940448104
SNP_P1_185322_136267	NW_004515869.1	Scaffold379	136267	AA	TT	1940448105
SNP_P1_185323_136337	NW_004515869.1	Scaffold379	136337	TT	CC	1940448106
SNP_P1_185324_136339	NW_004515869.1	Scaffold379	136339	TT	AA	1940448107
SNP_P1_185325_136398	NW_004515869.1	Scaffold379	136398	GG	AA	1940448108
SNP_P1_185326_162899	NW_004515869.1	Scaffold379	162899	TT	AA	1940448109
SNP_P1_185327_162900	NW_004515869.1	Scaffold379	162900	AA	TT	1940448110
SNP_P1_185329_165241	NW_004515869.1	Scaffold379	165241	CC	TT	1940448112
SNP_P1_185330_175374	NW_004515869.1	Scaffold379	175374	AA	GG	1940448113
SNP_P1_185331_175398	NW_004515869.1	Scaffold379	175398	AA	GG	1940448114
SNP_P1_185332_177388	NW_004515869.1	Scaffold379	177388	CC	GG	1940448115
SNP_P1_185333_177592	NW_004515869.1	Scaffold379	177592	GG	AA	1940448116
SNP_P1_185334_182478	NW_004515869.1	Scaffold379	182478	GG	AA	1940448117
SNP_P1_185336_194822	NW_004515869.1	Scaffold379	194822	AA	TT	1940448118
SNP_P1_185337_203854	NW_004515869.1	Scaffold379	203854	GG	AA	1940448119
SNP_P1_185338_1255	NW_004515870.1	Scaffold381	1255	GG	AA	1940448120
SNP_P1_185339_1269	NW_004515870.1	Scaffold381	1269	TT	GG	1940448121
SNP_P1_185340_1302	NW_004515870.1	Scaffold381	1302	TT	CC	1940448122
SNP_P1_185341_1410	NW_004515870.1	Scaffold381	1410	GG	AA	1940448123
SNP_P1_185342_1480	NW_004515870.1	Scaffold381	1480	CC	TT	1940448124
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SNP_P1_185344_2086	NW_004515870.1	Scaffold381	2086	AA	GG	1940448126
SNP_P1_185345_6568	NW_004515870.1	Scaffold381	6568	CC	GG	1940448127
SNP_P1_185346_6571	NW_004515870.1	Scaffold381	6571	TT	AA	1940448128
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SNP_P1_185348_6691	NW_004515870.1	Scaffold381	6691	GG	AA	1940448130
SNP_P1_185350_6698	NW_004515870.1	Scaffold381	6698	GG	TT	1940448131
SNP_P1_185351_6789	NW_004515870.1	Scaffold381	6789	CC	GG	1940448132
SNP_P1_185352_6802	NW_004515870.1	Scaffold381	6802	AA	TT	1940448133
SNP_P1_185353_6803	NW_004515870.1	Scaffold381	6803	AA	GG	1940448134
SNP_P1_185354_6804	NW_004515870.1	Scaffold381	6804	TT	GG	1940448135
SNP_P1_185355_6808	NW_004515870.1	Scaffold381	6808	AA	TT	1940448136
SNP_P1_185356_6817	NW_004515870.1	Scaffold381	6817	CC	AA	1940448137
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SNP_P1_185359_6995	NW_004515870.1	Scaffold381	6995	GG	TT	1940448139
SNP_P1_185361_8338	NW_004515870.1	Scaffold381	8338	AA	TT	1940448140
SNP_P1_185362_8526	NW_004515870.1	Scaffold381	8526	GG	TT	1940448141

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185364_8824	NW_004515870.1	Scaffold381	8824	CC	GG	1940448143
SNP_P1_185365_9958	NW_004515870.1	Scaffold381	9958	CC	AA	1940448144
SNP_P1_185366_9983	NW_004515870.1	Scaffold381	9983	TT	CC	1940448145
SNP_P1_185367_10024	NW_004515870.1	Scaffold381	10024	AA	GG	1940448146
SNP_P1_185368_10165	NW_004515870.1	Scaffold381	10165	CC	GG	1940448147
SNP_P1_185369_10168	NW_004515870.1	Scaffold381	10168	TT	GG	1940448148
SNP_P1_185371_10287	NW_004515870.1	Scaffold381	10287	CC	TT	1940448149
SNP_P1_185372_10299	NW_004515870.1	Scaffold381	10299	AA	CC	1940448150
SNP_P1_185373_10301	NW_004515870.1	Scaffold381	10301	GG	AA	1940448151
SNP_P1_185374_10341	NW_004515870.1	Scaffold381	10341	GG	TT	1940448152
SNP_P1_185375_12157	NW_004515870.1	Scaffold381	12157	CC	GG	1940448153
SNP_P1_185376_12211	NW_004515870.1	Scaffold381	12211	AA	GG	1940448154
SNP_P1_185377_12464	NW_004515870.1	Scaffold381	12464	TT	AA	1940448155
SNP_P1_185378_12667	NW_004515870.1	Scaffold381	12667	TT	CC	1940448156
SNP_P1_185379_21783	NW_004515871.1	Scaffold382	21783	AA	CC	1940448157
SNP_P1_185380_21801	NW_004515871.1	Scaffold382	21801	CC	TT	1940448158
SNP_P1_185381_22838	NW_004515871.1	Scaffold382	22838	TT	CC	1940448159
SNP_P1_185382_24838	NW_004515871.1	Scaffold382	24838	AA	TT	1940448160
SNP_P1_185383_24874	NW_004515871.1	Scaffold382	24874	TT	AA	1940448161
SNP_P1_185384_27149	NW_004515871.1	Scaffold382	27149	TT	CC	1940448162
SNP_P1_185385_27157	NW_004515871.1	Scaffold382	27157	TT	AA	1940448163
SNP_P1_185386_27162	NW_004515871.1	Scaffold382	27162	TT	CC	1940448164
SNP_P1_185387_27174	NW_004515871.1	Scaffold382	27174	CC	TT	1940448165
SNP_P1_185388_27323	NW_004515871.1	Scaffold382	27323	TT	GG	1940448166
SNP_P1_185389_61062	NW_004515871.1	Scaffold382	61062	GG	AA	1940448167
SNP_P1_185390_65145	NW_004515871.1	Scaffold382	65145	CC	AA	1940448168
SNP_P1_185391_65322	NW_004515871.1	Scaffold382	65322	GG	CC	1940448169
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SNP_P1_185395_78276	NW_004515871.1	Scaffold382	78276	CC	TT	1940448173
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SNP_P1_185397_82241	NW_004515871.1	Scaffold382	82241	TT	GG	1940448175
SNP_P1_185398_82247	NW_004515871.1	Scaffold382	82247	TT	CC	1940448176
SNP_P1_185399_82268	NW_004515871.1	Scaffold382	82268	TT	CC	1940448177
SNP_P1_185400_82636	NW_004515871.1	Scaffold382	82636	AA	GG	1940448178
SNP_P1_185401_90507	NW_004515871.1	Scaffold382	90507	TT	AA	1940448179
SNP_P1_185402_90785	NW_004515871.1	Scaffold382	90785	AA	GG	1940448180
SNP_P1_185403_90807	NW_004515871.1	Scaffold382	90807	CC	TT	1940448181
SNP_P1_185404_90823	NW_004515871.1	Scaffold382	90823	CC	TT	1940448182
SNP_P1_185405_90880	NW_004515871.1	Scaffold382	90880	TT	CC	1940448183

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185407_91008	NW_004515871.1	Scaffold382	91008	GG	AA	1940448185
SNP_P1_185408_91088	NW_004515871.1	Scaffold382	91088	CC	AA	1940448186
SNP_P1_185409_91129	NW_004515871.1	Scaffold382	91129	TT	CC	1940448187
SNP_P1_185410_91259	NW_004515871.1	Scaffold382	91259	TT	GG	1940448188
SNP_P1_185411_91295	NW_004515871.1	Scaffold382	91295	GG	AA	1940448189
SNP_P1_185412_91332	NW_004515871.1	Scaffold382	91332	GG	CC	1940448190
SNP_P1_185413_91417	NW_004515871.1	Scaffold382	91417	CC	TT	1940448191
SNP_P1_185414_9636	NW_004515872.1	Scaffold383	9636	TT	CC	1940448192
SNP_P1_185415_9666	NW_004515872.1	Scaffold383	9666	GG	AA	1940448193
SNP_P1_185416_9695	NW_004515872.1	Scaffold383	9695	CC	TT	1940448194
SNP_P1_185417_9766	NW_004515872.1	Scaffold383	9766	GG	AA	1940448195
SNP_P1_185418_9788	NW_004515872.1	Scaffold383	9788	TT	CC	1940448196
SNP_P1_185419_9867	NW_004515872.1	Scaffold383	9867	AA	CC	1940448197
SNP_P1_185420_9893	NW_004515872.1	Scaffold383	9893	AA	GG	1940448198
SNP_P1_185421_9932	NW_004515872.1	Scaffold383	9932	TT	CC	1940448199
SNP_P1_185422_16961	NW_004515872.1	Scaffold383	16961	AA	GG	1940448200
SNP_P1_185423_17180	NW_004515872.1	Scaffold383	17180	TT	AA	1940448201
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SNP_P1_185425_17444	NW_004515872.1	Scaffold383	17444	GG	CC	1940448203
SNP_P1_185426_17454	NW_004515872.1	Scaffold383	17454	TT	GG	1940448204
SNP_P1_185427_17501	NW_004515872.1	Scaffold383	17501	TT	CC	1940448205
SNP_P1_185428_17667	NW_004515872.1	Scaffold383	17667	AA	GG	1940448206
SNP_P1_185429_21521	NW_004515872.1	Scaffold383	21521	CC	TT	1940448207
SNP_P1_185430_26907	NW_004515872.1	Scaffold383	26907	CC	TT	1940448208
SNP_P1_185431_26947	NW_004515872.1	Scaffold383	26947	GG	AA	1940448209
SNP_P1_185432_31742	NW_004515872.1	Scaffold383	31742	TT	CC	1940448210
SNP_P1_185433_31780	NW_004515872.1	Scaffold383	31780	TT	CC	1940448211
SNP_P1_185434_34097	NW_004515872.1	Scaffold383	34097	AA	TT	1940448212
SNP_P1_185435_34123	NW_004515872.1	Scaffold383	34123	TT	AA	1940448213
SNP_P1_185436_34370	NW_004515872.1	Scaffold383	34370	TT	AA	1940448214
SNP_P1_185437_34417	NW_004515872.1	Scaffold383	34417	AA	GG	1940448215
SNP_P1_185438_40565	NW_004515872.1	Scaffold383	40565	AA	TT	1940448216
SNP_P1_185439_54327	NW_004515872.1	Scaffold383	54327	AA	CC	1940448217
SNP_P1_185440_57990	NW_004515872.1	Scaffold383	57990	CC	GG	1940448218
SNP_P1_185441_61178	NW_004515872.1	Scaffold383	61178	TT	GG	1940448219
SNP_P1_185442_61198	NW_004515872.1	Scaffold383	61198	CC	TT	1940448220
SNP_P1_185443_77250	NW_004515872.1	Scaffold383	77250	AA	GG	1940448221
SNP_P1_185444_80210	NW_004515872.1	Scaffold383	80210	TT	GG	1940448222
SNP_P1_185445_81317	NW_004515872.1	Scaffold383	81317	AA	GG	1940448223
SNP_P1_185446_81375	NW_004515872.1	Scaffold383	81375	AA	GG	1940448224
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185449_81457	NW_004515872.1	Scaffold383	81457	GG	AA	1940448227
SNP_P1_185450_81485	NW_004515872.1	Scaffold383	81485	AA	GG	1940448228
SNP_P1_185451_81730	NW_004515872.1	Scaffold383	81730	AA	GG	1940448229
SNP_P1_185452_81744	NW_004515872.1	Scaffold383	81744	CC	TT	1940448230
SNP_P1_185453_81805	NW_004515872.1	Scaffold383	81805	CC	AA	1940448231
SNP_P1_185454_81811	NW_004515872.1	Scaffold383	81811	GG	AA	1940448232
SNP_P1_185455_86076	NW_004515872.1	Scaffold383	86076	GG	TT	1940448233
SNP_P1_185456_88241	NW_004515872.1	Scaffold383	88241	GG	AA	1940448234
SNP_P1_185457_93813	NW_004515872.1	Scaffold383	93813	AA	GG	1940448235
SNP_P1_185458_94019	NW_004515872.1	Scaffold383	94019	TT	GG	1940448236
SNP_P1_185459_94144	NW_004515872.1	Scaffold383	94144	TT	CC	1940448237
SNP_P1_185460_105902	NW_004515872.1	Scaffold383	105902	GG	TT	1940448238
SNP_P1_185461_105904	NW_004515872.1	Scaffold383	105904	AA	TT	1940448239
SNP_P1_185462_112484	NW_004515872.1	Scaffold383	112484	TT	CC	1940448240
SNP_P1_185463_115798	NW_004515872.1	Scaffold383	115798	AA	TT	1940448242
SNP_P1_185464_118698	NW_004515872.1	Scaffold383	118698	TT	AA	1940448243
SNP_P1_185465_118733	NW_004515872.1	Scaffold383	118733	CC	GG	1940448244
SNP_P1_185466_118755	NW_004515872.1	Scaffold383	118755	AA	GG	1940448245
SNP_P1_185467_119074	NW_004515872.1	Scaffold383	119074	AA	GG	1940448246
SNP_P1_185468_128458	NW_004515872.1	Scaffold383	128458	GG	AA	1940448247
SNP_P1_185469_128545	NW_004515872.1	Scaffold383	128545	AA	GG	1940448248
SNP_P1_185470_137148	NW_004515872.1	Scaffold383	137148	TT	CC	1940448249
SNP_P1_185471_137309	NW_004515872.1	Scaffold383	137309	TT	CC	1940448250
SNP_P1_185472_137382	NW_004515872.1	Scaffold383	137382	TT	AA	1940448251
SNP_P1_185473_137452	NW_004515872.1	Scaffold383	137452	AA	GG	1940448252
SNP_P1_185474_137468	NW_004515872.1	Scaffold383	137468	GG	TT	1940448253
SNP_P1_185475_137728	NW_004515872.1	Scaffold383	137728	CC	TT	1940448254
SNP_P1_185476_137739	NW_004515872.1	Scaffold383	137739	GG	AA	1940448255
SNP_P1_185477_137888	NW_004515872.1	Scaffold383	137888	TT	AA	1940448256
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SNP_P1_185481_138774	NW_004515872.1	Scaffold383	138774	AA	GG	1940448260
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SNP_P1_185483_175794	NW_004515872.1	Scaffold383	175794	CC	AA	1940448262
SNP_P1_185484_175851	NW_004515872.1	Scaffold383	175851	GG	AA	1940448263
SNP_P1_185485_182265	NW_004515872.1	Scaffold383	182265	GG	AA	1940448264
SNP_P1_185486_182488	NW_004515872.1	Scaffold383	182488	AA	CC	1940448265
SNP_P1_185487_185511	NW_004515872.1	Scaffold383	185511	TT	CC	1940448266
SNP_P1_185488_195666	NW_004515872.1	Scaffold383	195666	TT	CC	1940448267
SNP_P1_185489_195739	NW_004515872.1	Scaffold383	195739	GG	AA	1940448268

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185491_195890	NW_004515872.1	Scaffold383	195890	TT	CC	1940448270
SNP_P1_185492_195962	NW_004515872.1	Scaffold383	195962	TT	CC	1940448271
SNP_P1_185493_195976	NW_004515872.1	Scaffold383	195976	GG	AA	1940448272
SNP_P1_185494_196063	NW_004515872.1	Scaffold383	196063	TT	GG	1940448273
SNP_P1_185495_197622	NW_004515872.1	Scaffold383	197622	TT	CC	1940448274
SNP_P1_185496_197715	NW_004515872.1	Scaffold383	197715	TT	AA	1940448275
SNP_P1_185497_197736	NW_004515872.1	Scaffold383	197736	TT	AA	1940448276
SNP_P1_185498_197749	NW_004515872.1	Scaffold383	197749	AA	GG	1940448277
SNP_P1_185500_199692	NW_004515872.1	Scaffold383	199692	TT	CC	1940448278
SNP_P1_185501_203892	NW_004515872.1	Scaffold383	203892	GG	AA	1940448279
SNP_P1_185502_205338	NW_004515872.1	Scaffold383	205338	CC	GG	1940448280
SNP_P1_185503_205676	NW_004515872.1	Scaffold383	205676	GG	AA	1940448281
SNP_P1_185504_205680	NW_004515872.1	Scaffold383	205680	AA	GG	1940448282
SNP_P1_185505_209745	NW_004515872.1	Scaffold383	209745	AA	TT	1940448283
SNP_P1_185506_209972	NW_004515872.1	Scaffold383	209972	AA	TT	1940448284
SNP_P1_185507_209992	NW_004515872.1	Scaffold383	209992	TT	CC	1940448285
SNP_P1_185508_210001	NW_004515872.1	Scaffold383	210001	AA	GG	1940448286
SNP_P1_185509_210364	NW_004515872.1	Scaffold383	210364	GG	AA	1940448287
SNP_P1_185510_248069	NW_004515872.1	Scaffold383	248069	AA	GG	1940448288
SNP_P1_185511_248150	NW_004515872.1	Scaffold383	248150	CC	GG	1940448289
SNP_P1_185512_2509	NW_004515873.1	Scaffold387	2509	TT	GG	1940448290
SNP_P1_185513_2764	NW_004515873.1	Scaffold387	2764	GG	TT	1940448291
SNP_P1_185514_15761	NW_004515873.1	Scaffold387	15761	AA	TT	1940448292
SNP_P1_185515_15809	NW_004515873.1	Scaffold387	15809	AA	GG	1940448293
SNP_P1_185516_15888	NW_004515873.1	Scaffold387	15888	GG	TT	1940448294
SNP_P1_185517_15911	NW_004515873.1	Scaffold387	15911	AA	CC	1940448295
SNP_P1_185518_15946	NW_004515873.1	Scaffold387	15946	AA	TT	1940448296
SNP_P1_185519_15990	NW_004515873.1	Scaffold387	15990	TT	CC	1940448297
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SNP_P1_185522_16114	NW_004515873.1	Scaffold387	16114	TT	CC	1940448299
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SNP_P1_185525_16288	NW_004515873.1	Scaffold387	16288	CC	TT	1940448302
SNP_P1_185526_16297	NW_004515873.1	Scaffold387	16297	GG	AA	1940448303
SNP_P1_185527_16341	NW_004515873.1	Scaffold387	16341	AA	CC	1940448304
SNP_P1_185528_16368	NW_004515873.1	Scaffold387	16368	GG	AA	1940448305
SNP_P1_185529_16441	NW_004515873.1	Scaffold387	16441	TT	AA	1940448306
SNP_P1_185530_16452	NW_004515873.1	Scaffold387	16452	CC	GG	1940448307
SNP_P1_185531_16494	NW_004515873.1	Scaffold387	16494	TT	CC	1940448308
SNP_P1_185532_16554	NW_004515873.1	Scaffold387	16554	GG	AA	1940448309
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185535_16636	NW_004515873.1	Scaffold387	16636	TT	GG	1940448312
SNP_P1_185536_16668	NW_004515873.1	Scaffold387	16668	TT	CC	1940448313
SNP_P1_185537_16679	NW_004515873.1	Scaffold387	16679	AA	GG	1940448314
SNP_P1_185538_16692	NW_004515873.1	Scaffold387	16692	GG	CC	1940448315
SNP_P1_185539_16703	NW_004515873.1	Scaffold387	16703	TT	AA	1940448316
SNP_P1_185540_16760	NW_004515873.1	Scaffold387	16760	CC	TT	1940448317
SNP_P1_185541_16789	NW_004515873.1	Scaffold387	16789	GG	AA	1940448318
SNP_P1_185542_16797	NW_004515873.1	Scaffold387	16797	GG	TT	1940448319
SNP_P1_185543_16805	NW_004515873.1	Scaffold387	16805	CC	GG	1940448320
SNP_P1_185544_16816	NW_004515873.1	Scaffold387	16816	AA	GG	1940448321
SNP_P1_185545_16827	NW_004515873.1	Scaffold387	16827	AA	GG	1940448322
SNP_P1_185546_16842	NW_004515873.1	Scaffold387	16842	TT	CC	1940448323
SNP_P1_185547_16891	NW_004515873.1	Scaffold387	16891	CC	TT	1940448324
SNP_P1_185548_16897	NW_004515873.1	Scaffold387	16897	GG	TT	1940448325
SNP_P1_185550_17282	NW_004515873.1	Scaffold387	17282	TT	CC	1940448326
SNP_P1_185551_17291	NW_004515873.1	Scaffold387	17291	CC	AA	1940448327
SNP_P1_185552_17613	NW_004515873.1	Scaffold387	17613	CC	AA	1940448328
SNP_P1_185553_17718	NW_004515873.1	Scaffold387	17718	CC	TT	1940448329
SNP_P1_185554_17760	NW_004515873.1	Scaffold387	17760	AA	GG	1940448330
SNP_P1_185555_17766	NW_004515873.1	Scaffold387	17766	CC	TT	1940448331
SNP_P1_185556_17775	NW_004515873.1	Scaffold387	17775	CC	TT	1940448332
SNP_P1_185557_18058	NW_004515873.1	Scaffold387	18058	CC	TT	1940448333
SNP_P1_185558_18101	NW_004515873.1	Scaffold387	18101	AA	TT	1940448334
SNP_P1_185559_18107	NW_004515873.1	Scaffold387	18107	GG	AA	1940448335
SNP_P1_185560_18154	NW_004515873.1	Scaffold387	18154	CC	TT	1940448336
SNP_P1_185561_18171	NW_004515873.1	Scaffold387	18171	TT	AA	1940448337
SNP_P1_185562_18177	NW_004515873.1	Scaffold387	18177	CC	TT	1940448338
SNP_P1_185563_18225	NW_004515873.1	Scaffold387	18225	GG	AA	1940448339
SNP_P1_185564_18463	NW_004515873.1	Scaffold387	18463	CC	AA	1940448340
SNP_P1_185565_18486	NW_004515873.1	Scaffold387	18486	CC	TT	1940448341
SNP_P1_185566_18495	NW_004515873.1	Scaffold387	18495	AA	GG	1940448342
SNP_P1_185567_18496	NW_004515873.1	Scaffold387	18496	TT	CC	1940448343
SNP_P1_185568_18587	NW_004515873.1	Scaffold387	18587	AA	GG	1940448344
SNP_P1_185569_18606	NW_004515873.1	Scaffold387	18606	GG	AA	1940448345
SNP_P1_185570_18646	NW_004515873.1	Scaffold387	18646	GG	TT	1940448346
SNP_P1_185571_18676	NW_004515873.1	Scaffold387	18676	AA	GG	1940448347
SNP_P1_185572_18703	NW_004515873.1	Scaffold387	18703	CC	GG	1940448348
SNP_P1_185573_18704	NW_004515873.1	Scaffold387	18704	AA	GG	1940448349
SNP_P1_185574_18732	NW_004515873.1	Scaffold387	18732	TT	CC	1940448350
SNP_P1_185575_18780	NW_004515873.1	Scaffold387	18780	CC	TT	1940448351
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SNP_P1_185578_18943	NW_004515873.1	Scaffold387	18943	AA	CC	1940448354
SNP_P1_185579_18944	NW_004515873.1	Scaffold387	18944	AA	TT	1940448355
SNP_P1_185580_18989	NW_004515873.1	Scaffold387	18989	GG	TT	1940448356
SNP_P1_185581_19010	NW_004515873.1	Scaffold387	19010	AA	GG	1940448357
SNP_P1_185582_19020	NW_004515873.1	Scaffold387	19020	GG	AA	1940448358
SNP_P1_185583_19068	NW_004515873.1	Scaffold387	19068	CC	AA	1940448359
SNP_P1_185584_19175	NW_004515873.1	Scaffold387	19175	AA	GG	1940448360
SNP_P1_185585_19178	NW_004515873.1	Scaffold387	19178	AA	CC	1940448361
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SNP_P1_185589_19395	NW_004515873.1	Scaffold387	19395	CC	TT	1940448365
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SNP_P1_185591_19545	NW_004515873.1	Scaffold387	19545	CC	AA	1940448367
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SNP_P1_185594_20799	NW_004515873.1	Scaffold387	20799	GG	TT	1940448370
SNP_P1_185595_20802	NW_004515873.1	Scaffold387	20802	TT	GG	1940448371
SNP_P1_185596_22841	NW_004515873.1	Scaffold387	22841	GG	AA	1940448372
SNP_P1_185597_22845	NW_004515873.1	Scaffold387	22845	CC	AA	1940448373
SNP_P1_185598_22907	NW_004515873.1	Scaffold387	22907	GG	TT	1940448374
SNP_P1_185599_22932	NW_004515873.1	Scaffold387	22932	AA	CC	1940448375
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SNP_P1_185611_23612	NW_004515873.1	Scaffold387	23612	TT	AA	1940448383
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SNP_P1_185616_23985	NW_004515873.1	Scaffold387	23985	GG	TT	1940448388
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SNP_P1_185619_24179	NW_004515873.1	Scaffold387	24179	AA	TT	1940448391
SNP_P1_185620_24180	NW_004515873.1	Scaffold387	24180	CC	TT	1940448392
SNP_P1_185621_24824	NW_004515873.1	Scaffold387	24824	TT	CC	1940448393
SNP_P1_185622_24856	NW_004515873.1	Scaffold387	24856	GG	TT	1940448394
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185625_24954	NW_004515873.1	Scaffold387	24954	GG	AA	1940448397
SNP_P1_185626_24960	NW_004515873.1	Scaffold387	24960	TT	CC	1940448398
SNP_P1_185627_24989	NW_004515873.1	Scaffold387	24989	TT	AA	1940448399
SNP_P1_185628_25031	NW_004515873.1	Scaffold387	25031	AA	GG	1940448400
SNP_P1_185629_25044	NW_004515873.1	Scaffold387	25044	GG	TT	1940448401
SNP_P1_185630_25050	NW_004515873.1	Scaffold387	25050	TT	AA	1940448402
SNP_P1_185631_25059	NW_004515873.1	Scaffold387	25059	CC	TT	1940448403
SNP_P1_185632_25158	NW_004515873.1	Scaffold387	25158	TT	GG	1940448404
SNP_P1_185633_31134	NW_004515873.1	Scaffold387	31134	AA	CC	1940448405
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SNP_P1_185636_40583	NW_004515873.1	Scaffold387	40583	AA	GG	1940448408
SNP_P1_185637_41750	NW_004515873.1	Scaffold387	41750	CC	TT	1940448409
SNP_P1_185638_71073	NW_004515873.1	Scaffold387	71073	GG	CC	1940448410
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SNP_P1_185640_97332	NW_004515873.1	Scaffold387	97332	AA	GG	1940448412
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SNP_P1_185648_111432	NW_004515873.1	Scaffold387	111432	AA	GG	1940448420
SNP_P1_185649_111463	NW_004515873.1	Scaffold387	111463	GG	AA	1940448421
SNP_P1_185650_111698	NW_004515873.1	Scaffold387	111698	TT	CC	1940448422
SNP_P1_185651_111699	NW_004515873.1	Scaffold387	111699	AA	TT	1940448423
SNP_P1_185652_114598	NW_004515873.1	Scaffold387	114598	GG	AA	1940448424
SNP_P1_185653_120780	NW_004515873.1	Scaffold387	120780	AA	CC	1940448425
SNP_P1_185654_120816	NW_004515873.1	Scaffold387	120816	AA	GG	1940448426
SNP_P1_185655_120858	NW_004515873.1	Scaffold387	120858	CC	GG	1940448427
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SNP_P1_185657_121205	NW_004515873.1	Scaffold387	121205	AA	GG	1940448429
SNP_P1_185658_121235	NW_004515873.1	Scaffold387	121235	GG	AA	1940448430
SNP_P1_185659_123913	NW_004515873.1	Scaffold387	123913	GG	AA	1940448431
SNP_P1_185660_123944	NW_004515873.1	Scaffold387	123944	AA	GG	1940448432
SNP_P1_185661_159554	NW_004515873.1	Scaffold387	159554	TT	CC	1940448433
SNP_P1_185662_159563	NW_004515873.1	Scaffold387	159563	TT	AA	1940448434
SNP_P1_185663_159607	NW_004515873.1	Scaffold387	159607	GG	AA	1940448435
SNP_P1_185664_159610	NW_004515873.1	Scaffold387	159610	AA	GG	1940448436
SNP_P1_185665_159614	NW_004515873.1	Scaffold387	159614	GG	AA	1940448437

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185667_159616	NW_004515873.1	Scaffold387	159616	TT	AA	1940448439
SNP_P1_185668_159617	NW_004515873.1	Scaffold387	159617	GG	CC	1940448440
SNP_P1_185669_159959	NW_004515873.1	Scaffold387	159959	TT	AA	1940448441
SNP_P1_185670_160046	NW_004515873.1	Scaffold387	160046	AA	GG	1940448442
SNP_P1_185671_160796	NW_004515873.1	Scaffold387	160796	AA	CC	1940448443
SNP_P1_185672_160836	NW_004515873.1	Scaffold387	160836	CC	TT	1940448444
SNP_P1_185673_160844	NW_004515873.1	Scaffold387	160844	TT	CC	1940448445
SNP_P1_185674_160846	NW_004515873.1	Scaffold387	160846	GG	AA	1940448446
SNP_P1_185675_160916	NW_004515873.1	Scaffold387	160916	CC	GG	1940448447
SNP_P1_185676_160947	NW_004515873.1	Scaffold387	160947	CC	TT	1940448448
SNP_P1_185677_160959	NW_004515873.1	Scaffold387	160959	AA	TT	1940448449
SNP_P1_185679_161031	NW_004515873.1	Scaffold387	161031	AA	GG	1940448450
SNP_P1_185680_161103	NW_004515873.1	Scaffold387	161103	AA	GG	1940448451
SNP_P1_185681_161136	NW_004515873.1	Scaffold387	161136	GG	AA	1940448452
SNP_P1_185682_161141	NW_004515873.1	Scaffold387	161141	AA	GG	1940448453
SNP_P1_185683_161207	NW_004515873.1	Scaffold387	161207	GG	AA	1940448454
SNP_P1_185684_161211	NW_004515873.1	Scaffold387	161211	AA	TT	1940448455
SNP_P1_185685_161283	NW_004515873.1	Scaffold387	161283	AA	GG	1940448456
SNP_P1_185686_161353	NW_004515873.1	Scaffold387	161353	AA	CC	1940448457
SNP_P1_185688_161446	NW_004515873.1	Scaffold387	161446	TT	CC	1940448458
SNP_P1_185689_161509	NW_004515873.1	Scaffold387	161509	CC	TT	1940448459
SNP_P1_185690_161543	NW_004515873.1	Scaffold387	161543	TT	CC	1940448460
SNP_P1_185691_161560	NW_004515873.1	Scaffold387	161560	TT	AA	1940448461
SNP_P1_185692_7707	NW_004515874.1	Scaffold388	7707	TT	GG	1940448462
SNP_P1_185693_12259	NW_004515874.1	Scaffold388	12259	CC	AA	1940448463
SNP_P1_185694_17147	NW_004515874.1	Scaffold388	17147	TT	AA	1940448464
SNP_P1_185695_23523	NW_004515874.1	Scaffold388	23523	AA	CC	1940448465
SNP_P1_185696_26885	NW_004515874.1	Scaffold388	26885	AA	GG	1940448466
SNP_P1_185697_30224	NW_004515874.1	Scaffold388	30224	CC	TT	1940448467
SNP_P1_185698_30375	NW_004515874.1	Scaffold388	30375	CC	TT	1940448468
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SNP_P1_185700_30398	NW_004515874.1	Scaffold388	30398	CC	TT	1940448470
SNP_P1_185701_30436	NW_004515874.1	Scaffold388	30436	AA	GG	1940448471
SNP_P1_185702_31819	NW_004515874.1	Scaffold388	31819	GG	TT	1940448472
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SNP_P1_185704_31879	NW_004515874.1	Scaffold388	31879	CC	TT	1940448474
SNP_P1_185705_31944	NW_004515874.1	Scaffold388	31944	CC	TT	1940448475
SNP_P1_185706_32743	NW_004515874.1	Scaffold388	32743	CC	TT	1940448476
SNP_P1_185707_33406	NW_004515874.1	Scaffold388	33406	CC	TT	1940448477
SNP_P1_185708_34011	NW_004515874.1	Scaffold388	34011	AA	GG	1940448478
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185711_35373	NW_004515874.1	Scaffold388	35373	GG	TT	1940448481
SNP_P1_185712_35375	NW_004515874.1	Scaffold388	35375	GG	AA	1940448482
SNP_P1_185713_37089	NW_004515874.1	Scaffold388	37089	CC	AA	1940448483
SNP_P1_185714_37117	NW_004515874.1	Scaffold388	37117	CC	TT	1940448484
SNP_P1_185715_37202	NW_004515874.1	Scaffold388	37202	AA	CC	1940448485
SNP_P1_185716_42612	NW_004515874.1	Scaffold388	42612	CC	TT	1940448486
SNP_P1_185717_42629	NW_004515874.1	Scaffold388	42629	TT	GG	1940448487
SNP_P1_185718_42679	NW_004515874.1	Scaffold388	42679	AA	CC	1940448488
SNP_P1_185719_45606	NW_004515874.1	Scaffold388	45606	TT	AA	1940448489
SNP_P1_185720_45612	NW_004515874.1	Scaffold388	45612	GG	TT	1940448490
SNP_P1_185721_45613	NW_004515874.1	Scaffold388	45613	TT	AA	1940448491
SNP_P1_185722_45615	NW_004515874.1	Scaffold388	45615	CC	TT	1940448492
SNP_P1_185723_46555	NW_004515874.1	Scaffold388	46555	CC	AA	1940448493
SNP_P1_185724_46556	NW_004515874.1	Scaffold388	46556	GG	TT	1940448494
SNP_P1_185725_46753	NW_004515874.1	Scaffold388	46753	GG	TT	1940448495
SNP_P1_185726_46955	NW_004515874.1	Scaffold388	46955	CC	AA	1940448496
SNP_P1_185728_47130	NW_004515874.1	Scaffold388	47130	AA	TT	1940448497
SNP_P1_185729_47874	NW_004515874.1	Scaffold388	47874	AA	CC	1940448498
SNP_P1_185730_48368	NW_004515874.1	Scaffold388	48368	CC	TT	1940448499
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SNP_P1_185732_49912	NW_004515874.1	Scaffold388	49912	AA	TT	1940448501
SNP_P1_185733_49927	NW_004515874.1	Scaffold388	49927	GG	AA	1940448502
SNP_P1_185734_50595	NW_004515874.1	Scaffold388	50595	AA	TT	1940448503
SNP_P1_185735_50914	NW_004515874.1	Scaffold388	50914	GG	CC	1940448504
SNP_P1_185736_51215	NW_004515874.1	Scaffold388	51215	TT	CC	1940448505
SNP_P1_185737_51246	NW_004515874.1	Scaffold388	51246	GG	TT	1940448506
SNP_P1_185738_6672	NW_004515879.1	Scaffold395	6672	CC	AA	1940448507
SNP_P1_185739_6946	NW_004515879.1	Scaffold395	6946	CC	TT	1940448508
SNP_P1_185740_6953	NW_004515879.1	Scaffold395	6953	GG	AA	1940448509
SNP_P1_185741_6964	NW_004515879.1	Scaffold395	6964	GG	TT	1940448510
SNP_P1_185742_6979	NW_004515879.1	Scaffold395	6979	CC	TT	1940448511
SNP_P1_185743_7023	NW_004515879.1	Scaffold395	7023	AA	GG	1940448512
SNP_P1_185745_7229	NW_004515879.1	Scaffold395	7229	TT	CC	1940448513
SNP_P1_185746_7302	NW_004515879.1	Scaffold395	7302	AA	GG	1940448515
SNP_P1_185747_7554	NW_004515879.1	Scaffold395	7554	TT	CC	1940448516
SNP_P1_185748_8113	NW_004515879.1	Scaffold395	8113	GG	AA	1940448517
SNP_P1_185749_8126	NW_004515879.1	Scaffold395	8126	TT	CC	1940448518
SNP_P1_185750_8129	NW_004515879.1	Scaffold395	8129	AA	TT	1940448519
SNP_P1_185751_8137	NW_004515879.1	Scaffold395	8137	GG	AA	1940448520
SNP_P1_185752_8149	NW_004515879.1	Scaffold395	8149	AA	GG	1940448521
SNP_P1_185753_15325	NW_004515879.1	Scaffold395	15325	CC	TT	1940448522

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185755_17610	NW_004515879.1	Scaffold395	17610	GG	CC	1940448524
SNP_P1_185756_21644	NW_004515879.1	Scaffold395	21644	CC	TT	1940448525
SNP_P1_185757_21705	NW_004515879.1	Scaffold395	21705	CC	TT	1940448526
SNP_P1_185758_31239	NW_004515879.1	Scaffold395	31239	AA	GG	1940448527
SNP_P1_185759_31601	NW_004515879.1	Scaffold395	31601	TT	GG	1940448528
SNP_P1_185760_31603	NW_004515879.1	Scaffold395	31603	GG	TT	1940448529
SNP_P1_185761_31618	NW_004515879.1	Scaffold395	31618	GG	AA	1940448530
SNP_P1_185762_31645	NW_004515879.1	Scaffold395	31645	TT	AA	1940448531
SNP_P1_185763_31649	NW_004515879.1	Scaffold395	31649	TT	CC	1940448532
SNP_P1_185764_31678	NW_004515879.1	Scaffold395	31678	GG	AA	1940448533
SNP_P1_185765_32289	NW_004515879.1	Scaffold395	32289	AA	GG	1940448534
SNP_P1_185766_32332	NW_004515879.1	Scaffold395	32332	TT	AA	1940448535
SNP_P1_185767_32338	NW_004515879.1	Scaffold395	32338	AA	CC	1940448536
SNP_P1_185769_50163	NW_004515879.1	Scaffold395	50163	AA	GG	1940448537
SNP_P1_185770_52644	NW_004515879.1	Scaffold395	52644	TT	CC	1940448538
SNP_P1_185771_84905	NW_004515879.1	Scaffold395	84905	AA	CC	1940448539
SNP_P1_185772_87431	NW_004515879.1	Scaffold395	87431	AA	GG	1940448540
SNP_P1_185773_87436	NW_004515879.1	Scaffold395	87436	AA	GG	1940448541
SNP_P1_185774_87519	NW_004515879.1	Scaffold395	87519	TT	GG	1940448542
SNP_P1_185775_89070	NW_004515879.1	Scaffold395	89070	CC	AA	1940448543
SNP_P1_185776_89072	NW_004515879.1	Scaffold395	89072	GG	TT	1940448544
SNP_P1_185777_89144	NW_004515879.1	Scaffold395	89144	TT	AA	1940448545
SNP_P1_185778_94749	NW_004515879.1	Scaffold395	94749	CC	TT	1940448546
SNP_P1_185779_94768	NW_004515879.1	Scaffold395	94768	TT	CC	1940448547
SNP_P1_185781_112018	NW_004515879.1	Scaffold395	112018	GG	TT	1940448548
SNP_P1_185782_112042	NW_004515879.1	Scaffold395	112042	AA	GG	1940448549
SNP_P1_185783_125685	NW_004515879.1	Scaffold395	125685	CC	AA	1940448550
SNP_P1_185784_125702	NW_004515879.1	Scaffold395	125702	TT	CC	1940448551
SNP_P1_185785_125705	NW_004515879.1	Scaffold395	125705	AA	GG	1940448552
SNP_P1_185786_125765	NW_004515879.1	Scaffold395	125765	TT	CC	1940448553
SNP_P1_185787_125795	NW_004515879.1	Scaffold395	125795	AA	GG	1940448554
SNP_P1_185788_125968	NW_004515879.1	Scaffold395	125968	TT	CC	1940448555
SNP_P1_185789_125970	NW_004515879.1	Scaffold395	125970	TT	CC	1940448556
SNP_P1_185790_125975	NW_004515879.1	Scaffold395	125975	TT	CC	1940448557
SNP_P1_185792_126000	NW_004515879.1	Scaffold395	126000	TT	CC	1940448558
SNP_P1_185793_126030	NW_004515879.1	Scaffold395	126030	CC	TT	1940448559
SNP_P1_185794_126093	NW_004515879.1	Scaffold395	126093	CC	TT	1940448560
SNP_P1_185795_126669	NW_004515879.1	Scaffold395	126669	CC	TT	1940448561
SNP_P1_185796_126711	NW_004515879.1	Scaffold395	126711	AA	GG	1940448562
SNP_P1_185797_126771	NW_004515879.1	Scaffold395	126771	AA	GG	1940448563
SNP_P1_185798_126783	NW_004515879.1	Scaffold395	126783	AA	GG	1940448564

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185800_126859	NW_004515879.1	Scaffold395	126859	TT	CC	1940448566
SNP_P1_185801_126994	NW_004515879.1	Scaffold395	126994	CC	TT	1940448567
SNP_P1_185802_127007	NW_004515879.1	Scaffold395	127007	CC	TT	1940448568
SNP_P1_185803_127042	NW_004515879.1	Scaffold395	127042	AA	GG	1940448569
SNP_P1_185804_127053	NW_004515879.1	Scaffold395	127053	TT	CC	1940448570
SNP_P1_185805_127063	NW_004515879.1	Scaffold395	127063	AA	CC	1940448571
SNP_P1_185806_127066	NW_004515879.1	Scaffold395	127066	GG	TT	1940448572
SNP_P1_185807_127072	NW_004515879.1	Scaffold395	127072	TT	CC	1940448573
SNP_P1_185808_127091	NW_004515879.1	Scaffold395	127091	CC	TT	1940448574
SNP_P1_185809_127129	NW_004515879.1	Scaffold395	127129	AA	GG	1940448575
SNP_P1_185810_127238	NW_004515879.1	Scaffold395	127238	CC	TT	1940448576
SNP_P1_185811_127256	NW_004515879.1	Scaffold395	127256	GG	TT	1940448577
SNP_P1_185812_127258	NW_004515879.1	Scaffold395	127258	TT	CC	1940448578
SNP_P1_185813_127261	NW_004515879.1	Scaffold395	127261	TT	GG	1940448579
SNP_P1_185814_127269	NW_004515879.1	Scaffold395	127269	CC	TT	1940448580
SNP_P1_185815_136449	NW_004515879.1	Scaffold395	136449	TT	AA	1940448581
SNP_P1_185816_161465	NW_004515879.1	Scaffold395	161465	TT	AA	1940448582
SNP_P1_185817_178544	NW_004515879.1	Scaffold395	178544	AA	GG	1940448583
SNP_P1_185818_180290	NW_004515879.1	Scaffold395	180290	TT	CC	1940448584
SNP_P1_185819_201944	NW_004515879.1	Scaffold395	201944	AA	GG	1940448585
SNP_P1_185820_205401	NW_004515879.1	Scaffold395	205401	AA	CC	1940448586
SNP_P1_185821_227956	NW_004515879.1	Scaffold395	227956	GG	AA	1940448587
SNP_P1_185824_255916	NW_004515879.1	Scaffold395	255916	AA	GG	1940448588
SNP_P1_185825_255957	NW_004515879.1	Scaffold395	255957	CC	TT	1940448589
SNP_P1_185826_255978	NW_004515879.1	Scaffold395	255978	GG	AA	1940448590
SNP_P1_185827_255997	NW_004515879.1	Scaffold395	255997	TT	CC	1940448591
SNP_P1_185829_303363	NW_004515879.1	Scaffold395	303363	CC	GG	1940448592
SNP_P1_185830_327321	NW_004515879.1	Scaffold395	327321	TT	GG	1940448593
SNP_P1_185831_327340	NW_004515879.1	Scaffold395	327340	AA	GG	1940448594
SNP_P1_185832_327375	NW_004515879.1	Scaffold395	327375	CC	TT	1940448595
SNP_P1_185833_327447	NW_004515879.1	Scaffold395	327447	TT	CC	1940448596
SNP_P1_185834_327549	NW_004515879.1	Scaffold395	327549	AA	GG	1940448597
SNP_P1_185835_328024	NW_004515879.1	Scaffold395	328024	AA	GG	1940448598
SNP_P1_185836_328091	NW_004515879.1	Scaffold395	328091	TT	CC	1940448599
SNP_P1_185837_328156	NW_004515879.1	Scaffold395	328156	TT	CC	1940448600
SNP_P1_185838_328190	NW_004515879.1	Scaffold395	328190	TT	CC	1940448601
SNP_P1_185839_328411	NW_004515879.1	Scaffold395	328411	AA	GG	1940448602
SNP_P1_185840_328534	NW_004515879.1	Scaffold395	328534	AA	GG	1940448603
SNP_P1_185841_328593	NW_004515879.1	Scaffold395	328593	CC	TT	1940448604
SNP_P1_185842_331340	NW_004515879.1	Scaffold395	331340	GG	TT	1940448605
SNP_P1_185843_331396	NW_004515879.1	Scaffold395	331396	TT	AA	1940448606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185846_331762	NW_004515879.1	Scaffold395	331762	AA	GG	1940448608
SNP_P1_185847_97	NW_004515880.1	Scaffold396	97	AA	GG	1940448609
SNP_P1_185848_3140	NW_004515880.1	Scaffold396	3140	TT	CC	1940448610
SNP_P1_185849_3430	NW_004515880.1	Scaffold396	3430	AA	TT	1940448611
SNP_P1_185850_3534	NW_004515880.1	Scaffold396	3534	AA	GG	1940448612
SNP_P1_185851_3958	NW_004515880.1	Scaffold396	3958	AA	GG	1940448613
SNP_P1_185852_6186	NW_004515880.1	Scaffold396	6186	GG	AA	1940448614
SNP_P1_185853_6213	NW_004515880.1	Scaffold396	6213	CC	TT	1940448615
SNP_P1_185854_6234	NW_004515880.1	Scaffold396	6234	AA	GG	1940448616
SNP_P1_185855_6460	NW_004515880.1	Scaffold396	6460	AA	CC	1940448617
SNP_P1_185856_31332	NW_004515880.1	Scaffold396	31332	GG	AA	1940448618
SNP_P1_185857_50412	NW_004515880.1	Scaffold396	50412	AA	GG	1940448619
SNP_P1_185858_65396	NW_004515880.1	Scaffold396	65396	TT	CC	1940448620
SNP_P1_185859_72765	NW_004515880.1	Scaffold396	72765	GG	TT	1940448621
SNP_P1_185860_75468	NW_004515880.1	Scaffold396	75468	GG	AA	1940448622
SNP_P1_185861_112362	NW_004515880.1	Scaffold396	112362	GG	TT	1940448623
SNP_P1_185862_114378	NW_004515880.1	Scaffold396	114378	TT	GG	1940448624
SNP_P1_185865_141518	NW_004515880.1	Scaffold396	141518	GG	TT	1940448625
SNP_P1_185867_152954	NW_004515880.1	Scaffold396	152954	GG	AA	1940448626
SNP_P1_185868_158121	NW_004515880.1	Scaffold396	158121	AA	TT	1940448627
SNP_P1_185869_158429	NW_004515880.1	Scaffold396	158429	AA	TT	1940448628
SNP_P1_185870_158465	NW_004515880.1	Scaffold396	158465	TT	CC	1940448629
SNP_P1_185871_165849	NW_004515880.1	Scaffold396	165849	AA	TT	1940448630
SNP_P1_185872_172809	NW_004515880.1	Scaffold396	172809	GG	CC	1940448631
SNP_P1_185873_172811	NW_004515880.1	Scaffold396	172811	CC	TT	1940448632
SNP_P1_185875_227008	NW_004515880.1	Scaffold396	227008	TT	CC	1940448633
SNP_P1_185876_229208	NW_004515880.1	Scaffold396	229208	CC	AA	1940448634
SNP_P1_185877_243568	NW_004515880.1	Scaffold396	243568	TT	AA	1940448635
SNP_P1_185878_268083	NW_004515880.1	Scaffold396	268083	TT	AA	1940448636
SNP_P1_185879_268085	NW_004515880.1	Scaffold396	268085	AA	CC	1940448637
SNP_P1_185880_272839	NW_004515880.1	Scaffold396	272839	AA	GG	1940448638
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SNP_P1_185886_275825	NW_004515880.1	Scaffold396	275825	TT	GG	1940448644
SNP_P1_185887_279066	NW_004515880.1	Scaffold396	279066	CC	GG	1940448645
SNP_P1_185888_324300	NW_004515880.1	Scaffold396	324300	AA	GG	1940448646
SNP_P1_185889_331994	NW_004515880.1	Scaffold396	331994	GG	AA	1940448647
SNP_P1_185890_358634	NW_004515880.1	Scaffold396	358634	AA	TT	1940448648

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185894_376944	NW_004515880.1	Scaffold396	376944	GG	CC	1940448650
SNP_P1_185895_377271	NW_004515880.1	Scaffold396	377271	GG	AA	1940448651
SNP_P1_185896_377297	NW_004515880.1	Scaffold396	377297	TT	CC	1940448652
SNP_P1_185897_380821	NW_004515880.1	Scaffold396	380821	CC	AA	1940448653
SNP_P1_185898_380829	NW_004515880.1	Scaffold396	380829	TT	CC	1940448654
SNP_P1_185899_398576	NW_004515880.1	Scaffold396	398576	AA	GG	1940448655
SNP_P1_185900_409472	NW_004515880.1	Scaffold396	409472	CC	AA	1940448656
SNP_P1_185901_409719	NW_004515880.1	Scaffold396	409719	CC	GG	1940448657
SNP_P1_185902_425040	NW_004515880.1	Scaffold396	425040	TT	CC	1940448658
SNP_P1_185903_425408	NW_004515880.1	Scaffold396	425408	TT	AA	1940448659
SNP_P1_185904_425471	NW_004515880.1	Scaffold396	425471	TT	CC	1940448660
SNP_P1_185905_425478	NW_004515880.1	Scaffold396	425478	TT	GG	1940448661
SNP_P1_185906_425479	NW_004515880.1	Scaffold396	425479	TT	CC	1940448662
SNP_P1_185907_433575	NW_004515880.1	Scaffold396	433575	GG	AA	1940448663
SNP_P1_185908_433594	NW_004515880.1	Scaffold396	433594	GG	TT	1940448665
SNP_P1_185909_448961	NW_004515880.1	Scaffold396	448961	TT	CC	1940448666
SNP_P1_185910_458527	NW_004515880.1	Scaffold396	458527	CC	TT	1940448667
SNP_P1_185911_467514	NW_004515880.1	Scaffold396	467514	GG	TT	1940448668
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SNP_P1_185917_477781	NW_004515880.1	Scaffold396	477781	AA	TT	1940448674
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SNP_P1_185919_477814	NW_004515880.1	Scaffold396	477814	AA	CC	1940448676
SNP_P1_185920_477879	NW_004515880.1	Scaffold396	477879	GG	AA	1940448677
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SNP_P1_185926_478201	NW_004515880.1	Scaffold396	478201	TT	CC	1940448683
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SNP_P1_185930_520378	NW_004515880.1	Scaffold396	520378	TT	CC	1940448686
SNP_P1_185931_520413	NW_004515880.1	Scaffold396	520413	TT	GG	1940448687
SNP_P1_185932_520549	NW_004515880.1	Scaffold396	520549	AA	TT	1940448688
SNP_P1_185933_520558	NW_004515880.1	Scaffold396	520558	CC	AA	1940448689
SNP_P1_185934_520785	NW_004515880.1	Scaffold396	520785	CC	AA	1940448690
SNP_P1_185935_525239	NW_004515880.1	Scaffold396	525239	TT	CC	1940448691

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185937_525270	NW_004515880.1	Scaffold396	525270	CC	TT	1940448693
SNP_P1_185938_525327	NW_004515880.1	Scaffold396	525327	AA	GG	1940448694
SNP_P1_185939_525550	NW_004515880.1	Scaffold396	525550	AA	GG	1940448695
SNP_P1_185940_525563	NW_004515880.1	Scaffold396	525563	TT	CC	1940448696
SNP_P1_185941_525599	NW_004515880.1	Scaffold396	525599	CC	AA	1940448697
SNP_P1_185942_525624	NW_004515880.1	Scaffold396	525624	CC	TT	1940448698
SNP_P1_185943_528994	NW_004515880.1	Scaffold396	528994	AA	GG	1940448699
SNP_P1_185944_529162	NW_004515880.1	Scaffold396	529162	TT	GG	1940448700
SNP_P1_185945_529186	NW_004515880.1	Scaffold396	529186	CC	GG	1940448701
SNP_P1_185946_529378	NW_004515880.1	Scaffold396	529378	CC	GG	1940448702
SNP_P1_185947_529453	NW_004515880.1	Scaffold396	529453	AA	CC	1940448703
SNP_P1_185948_529454	NW_004515880.1	Scaffold396	529454	TT	AA	1940448704
SNP_P1_185949_529492	NW_004515880.1	Scaffold396	529492	TT	GG	1940448705
SNP_P1_185950_529558	NW_004515880.1	Scaffold396	529558	AA	TT	1940448706
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SNP_P1_185953_534602	NW_004515880.1	Scaffold396	534602	AA	GG	1940448709
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SNP_P1_185956_554173	NW_004515880.1	Scaffold396	554173	TT	CC	1940448712
SNP_P1_185957_556115	NW_004515880.1	Scaffold396	556115	CC	TT	1940448713
SNP_P1_185958_556172	NW_004515880.1	Scaffold396	556172	AA	CC	1940448714
SNP_P1_185959_556214	NW_004515880.1	Scaffold396	556214	CC	GG	1940448715
SNP_P1_185960_556343	NW_004515880.1	Scaffold396	556343	AA	TT	1940448716
SNP_P1_185961_559406	NW_004515880.1	Scaffold396	559406	AA	GG	1940448717
SNP_P1_185962_559428	NW_004515880.1	Scaffold396	559428	GG	AA	1940448718
SNP_P1_185963_559432	NW_004515880.1	Scaffold396	559432	AA	TT	1940448719
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SNP_P1_185965_567498	NW_004515880.1	Scaffold396	567498	TT	GG	1940448721
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SNP_P1_185970_577481	NW_004515880.1	Scaffold396	577481	AA	CC	1940448726
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SNP_P1_185972_577497	NW_004515880.1	Scaffold396	577497	AA	TT	1940448728
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SNP_P1_185978_578130	NW_004515880.1	Scaffold396	578130	TT	CC	1940448732
SNP_P1_185979_578134	NW_004515880.1	Scaffold396	578134	AA	TT	1940448733

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_185983_578162	NW_004515880.1	Scaffold396	578162	AA	TT	1940448737
SNP_P1_185984_585151	NW_004515880.1	Scaffold396	585151	TT	GG	1940448738
SNP_P1_185985_585197	NW_004515880.1	Scaffold396	585197	TT	AA	1940448739
SNP_P1_185986_585268	NW_004515880.1	Scaffold396	585268	CC	TT	1940448740
SNP_P1_185987_585520	NW_004515880.1	Scaffold396	585520	CC	GG	1940448741
SNP_P1_185989_588535	NW_004515880.1	Scaffold396	588535	TT	AA	1940448742
SNP_P1_185990_592862	NW_004515880.1	Scaffold396	592862	AA	CC	1940448743
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SNP_P1_185992_593087	NW_004515880.1	Scaffold396	593087	TT	CC	1940448745
SNP_P1_185993_593190	NW_004515880.1	Scaffold396	593190	TT	AA	1940448746
SNP_P1_185994_593209	NW_004515880.1	Scaffold396	593209	AA	CC	1940448747
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SNP_P1_185999_598653	NW_004515880.1	Scaffold396	598653	AA	GG	1940448752
SNP_P1_186000_598671	NW_004515880.1	Scaffold396	598671	TT	GG	1940448753
SNP_P1_186001_598725	NW_004515880.1	Scaffold396	598725	CC	TT	1940448754
SNP_P1_186002_602021	NW_004515880.1	Scaffold396	602021	CC	TT	1940448755
SNP_P1_186003_602730	NW_004515880.1	Scaffold396	602730	AA	GG	1940448756
SNP_P1_186004_6800	NW_004515881.1	Scaffold397	6800	GG	AA	1940448757
SNP_P1_186005_8465	NW_004515881.1	Scaffold397	8465	CC	TT	1940448758
SNP_P1_186006_9122	NW_004515881.1	Scaffold397	9122	TT	CC	1940448759
SNP_P1_186007_10136	NW_004515881.1	Scaffold397	10136	CC	TT	1940448760
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SNP_P1_186016_87186	NW_004515881.1	Scaffold397	87186	AA	TT	1940448767
SNP_P1_186017_96006	NW_004515881.1	Scaffold397	96006	AA	GG	1940448768
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SNP_P1_186019_96165	NW_004515881.1	Scaffold397	96165	CC	TT	1940448770
SNP_P1_186020_96180	NW_004515881.1	Scaffold397	96180	GG	TT	1940448771
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SNP_P1_186022_96990	NW_004515881.1	Scaffold397	96990	GG	AA	1940448773
SNP_P1_186023_97457	NW_004515881.1	Scaffold397	97457	CC	TT	1940448774
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186026_112713	NW_004515881.1	Scaffold397	112713	CC	AA	1940448777
SNP_P1_186027_112730	NW_004515881.1	Scaffold397	112730	CC	TT	1940448778
SNP_P1_186028_115031	NW_004515881.1	Scaffold397	115031	TT	CC	1940448779
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SNP_P1_186030_130118	NW_004515881.1	Scaffold397	130118	TT	CC	1940448781
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SNP_P1_186036_131211	NW_004515881.1	Scaffold397	131211	TT	AA	1940448787
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SNP_P1_186039_141156	NW_004515881.1	Scaffold397	141156	TT	AA	1940448790
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SNP_P1_186043_143815	NW_004515881.1	Scaffold397	143815	AA	GG	1940448794
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SNP_P1_186064_167236	NW_004515881.1	Scaffold397	167236	TT	CC	1940448815
SNP_P1_186065_167257	NW_004515881.1	Scaffold397	167257	TT	GG	1940448816
SNP_P1_186066_167302	NW_004515881.1	Scaffold397	167302	TT	CC	1940448817
SNP_P1_186068_168855	NW_004515881.1	Scaffold397	168855	TT	CC	1940448818

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186072_174910	NW_004515881.1	Scaffold397	174910	CC	TT	1940448821
SNP_P1_186073_175276	NW_004515881.1	Scaffold397	175276	CC	TT	1940448822
SNP_P1_186074_176864	NW_004515881.1	Scaffold397	176864	AA	CC	1940448823
SNP_P1_186076_185153	NW_004515881.1	Scaffold397	185153	AA	GG	1940448824
SNP_P1_186077_185160	NW_004515881.1	Scaffold397	185160	CC	TT	1940448825
SNP_P1_186078_185373	NW_004515881.1	Scaffold397	185373	TT	CC	1940448826
SNP_P1_186079_185414	NW_004515881.1	Scaffold397	185414	CC	AA	1940448827
SNP_P1_186080_195269	NW_004515881.1	Scaffold397	195269	CC	TT	1940448828
SNP_P1_186081_221988	NW_004515881.1	Scaffold397	221988	TT	CC	1940448829
SNP_P1_186082_232123	NW_004515881.1	Scaffold397	232123	GG	CC	1940448830
SNP_P1_186083_285970	NW_004515881.1	Scaffold397	285970	TT	CC	1940448831
SNP_P1_186084_286194	NW_004515881.1	Scaffold397	286194	CC	AA	1940448832
SNP_P1_186085_328836	NW_004515881.1	Scaffold397	328836	GG	TT	1940448833
SNP_P1_186086_331264	NW_004515881.1	Scaffold397	331264	AA	GG	1940448834
SNP_P1_186087_331564	NW_004515881.1	Scaffold397	331564	GG	AA	1940448835
SNP_P1_186088_331586	NW_004515881.1	Scaffold397	331586	CC	TT	1940448836
SNP_P1_186089_331596	NW_004515881.1	Scaffold397	331596	CC	TT	1940448837
SNP_P1_186090_331604	NW_004515881.1	Scaffold397	331604	AA	TT	1940448838
SNP_P1_186091_331612	NW_004515881.1	Scaffold397	331612	TT	AA	1940448839
SNP_P1_186092_350791	NW_004515881.1	Scaffold397	350791	CC	TT	1940448840
SNP_P1_186093_360761	NW_004515881.1	Scaffold397	360761	AA	GG	1940448841
SNP_P1_186094_365928	NW_004515881.1	Scaffold397	365928	AA	GG	1940448842
SNP_P1_186095_382218	NW_004515881.1	Scaffold397	382218	GG	AA	1940448843
SNP_P1_186096_383806	NW_004515881.1	Scaffold397	383806	GG	TT	1940448844
SNP_P1_186097_383820	NW_004515881.1	Scaffold397	383820	TT	AA	1940448845
SNP_P1_186098_383826	NW_004515881.1	Scaffold397	383826	AA	GG	1940448846
SNP_P1_186099_384118	NW_004515881.1	Scaffold397	384118	AA	GG	1940448847
SNP_P1_186100_388823	NW_004515881.1	Scaffold397	388823	CC	GG	1940448848
SNP_P1_186101_388824	NW_004515881.1	Scaffold397	388824	TT	CC	1940448849
SNP_P1_186102_388834	NW_004515881.1	Scaffold397	388834	AA	TT	1940448850
SNP_P1_186103_391775	NW_004515881.1	Scaffold397	391775	CC	AA	1940448851
SNP_P1_186104_391822	NW_004515881.1	Scaffold397	391822	CC	GG	1940448852
SNP_P1_186106_422492	NW_004515881.1	Scaffold397	422492	CC	TT	1940448853
SNP_P1_186107_434521	NW_004515881.1	Scaffold397	434521	TT	AA	1940448854
SNP_P1_186108_436040	NW_004515881.1	Scaffold397	436040	CC	AA	1940448855
SNP_P1_186109_436067	NW_004515881.1	Scaffold397	436067	AA	TT	1940448856
SNP_P1_186110_436101	NW_004515881.1	Scaffold397	436101	CC	AA	1940448857
SNP_P1_186111_436144	NW_004515881.1	Scaffold397	436144	AA	TT	1940448858
SNP_P1_186112_436241	NW_004515881.1	Scaffold397	436241	GG	CC	1940448859
SNP_P1_186113_436260	NW_004515881.1	Scaffold397	436260	TT	AA	1940448860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_186114_436368	NW_004515881.1	Scaffold397	436368	AA	TT	1940448861
SNP_P1_186115_436416	NW_004515881.1	Scaffold397	436416	TT	CC	1940448862
SNP_P1_186116_436616	NW_004515881.1	Scaffold397	436616	CC	TT	1940448863
SNP_P1_186117_446429	NW_004515881.1	Scaffold397	446429	TT	GG	1940448864
SNP_P1_186118_455891	NW_004515881.1	Scaffold397	455891	AA	TT	1940448865
SNP_P1_186120_690	NW_004515882.1	Scaffold398	690	AA	TT	1940448866
SNP_P1_186122_11444	NW_004515882.1	Scaffold398	11444	TT	AA	1940448867
SNP_P1_186123_11454	NW_004515882.1	Scaffold398	11454	GG	TT	1940448868
SNP_P1_186124_12238	NW_004515882.1	Scaffold398	12238	AA	TT	1940448869
SNP_P1_186125_13106	NW_004515882.1	Scaffold398	13106	GG	AA	1940448870
SNP_P1_186126_17867	NW_004515882.1	Scaffold398	17867	AA	TT	1940448871
SNP_P1_186129_18073	NW_004515882.1	Scaffold398	18073	CC	AA	1940448872
SNP_P1_186130_18081	NW_004515882.1	Scaffold398	18081	CC	TT	1940448873
SNP_P1_186131_18191	NW_004515882.1	Scaffold398	18191	AA	GG	1940448874
SNP_P1_186132_21248	NW_004515882.1	Scaffold398	21248	AA	GG	1940448875
SNP_P1_186133_21254	NW_004515882.1	Scaffold398	21254	AA	GG	1940448876
SNP_P1_186134_21265	NW_004515882.1	Scaffold398	21265	GG	AA	1940448877
SNP_P1_186135_21281	NW_004515882.1	Scaffold398	21281	GG	AA	1940448878
SNP_P1_186136_21287	NW_004515882.1	Scaffold398	21287	CC	TT	1940448879
SNP_P1_186137_21293	NW_004515882.1	Scaffold398	21293	TT	CC	1940448880
SNP_P1_186138_21301	NW_004515882.1	Scaffold398	21301	GG	CC	1940448881
SNP_P1_186139_21314	NW_004515882.1	Scaffold398	21314	AA	CC	1940448882
SNP_P1_186141_21374	NW_004515882.1	Scaffold398	21374	GG	AA	1940448883
SNP_P1_186142_21380	NW_004515882.1	Scaffold398	21380	AA	GG	1940448884
SNP_P1_186143_21396	NW_004515882.1	Scaffold398	21396	CC	TT	1940448885
SNP_P1_186144_21449	NW_004515882.1	Scaffold398	21449	CC	TT	1940448886
SNP_P1_186145_21452	NW_004515882.1	Scaffold398	21452	CC	TT	1940448887
SNP_P1_186146_21458	NW_004515882.1	Scaffold398	21458	AA	TT	1940448888
SNP_P1_186147_21470	NW_004515882.1	Scaffold398	21470	CC	AA	1940448889
SNP_P1_186148_21476	NW_004515882.1	Scaffold398	21476	GG	TT	1940448890
SNP_P1_186149_21600	NW_004515882.1	Scaffold398	21600	AA	TT	1940448891
SNP_P1_186150_21762	NW_004515882.1	Scaffold398	21762	CC	TT	1940448892
SNP_P1_186152_21785	NW_004515882.1	Scaffold398	21785	CC	AA	1940448893
SNP_P1_186153_21835	NW_004515882.1	Scaffold398	21835	TT	GG	1940448894
SNP_P1_186154_25144	NW_004515882.1	Scaffold398	25144	GG	AA	1940448895
SNP_P1_186155_25185	NW_004515882.1	Scaffold398	25185	AA	CC	1940448896
SNP_P1_186156_26525	NW_004515882.1	Scaffold398	26525	TT	GG	1940448897
SNP_P1_186158_30374	NW_004515882.1	Scaffold398	30374	TT	CC	1940448898
SNP_P1_186159_31646	NW_004515882.1	Scaffold398	31646	AA	GG	1940448899
SNP_P1_186160_32083	NW_004515882.1	Scaffold398	32083	TT	CC	1940448900
SNP_P1_186163_33266	NW_004515882.1	Scaffold398	33266	AA	GG	1940448901
SNP_P1_186165_33381	NW_004515882.1	Scaffold398	33381	GG	AA	1940448902

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186167_33497	NW_004515882.1	Scaffold398	33497	AA	GG	1940448904
SNP_P1_186169_33553	NW_004515882.1	Scaffold398	33553	CC	AA	1940448905
SNP_P1_186170_33595	NW_004515882.1	Scaffold398	33595	AA	TT	1940448906
SNP_P1_186171_33695	NW_004515882.1	Scaffold398	33695	TT	CC	1940448907
SNP_P1_186174_33943	NW_004515882.1	Scaffold398	33943	TT	AA	1940448908
SNP_P1_186175_34039	NW_004515882.1	Scaffold398	34039	GG	TT	1940448909
SNP_P1_186176_34092	NW_004515882.1	Scaffold398	34092	TT	GG	1940448910
SNP_P1_186177_34102	NW_004515882.1	Scaffold398	34102	GG	AA	1940448911
SNP_P1_186179_36333	NW_004515882.1	Scaffold398	36333	AA	TT	1940448912
SNP_P1_186180_37415	NW_004515882.1	Scaffold398	37415	AA	CC	1940448913
SNP_P1_186181_38161	NW_004515882.1	Scaffold398	38161	CC	TT	1940448914
SNP_P1_186182_38283	NW_004515882.1	Scaffold398	38283	CC	AA	1940448915
SNP_P1_186184_38470	NW_004515882.1	Scaffold398	38470	AA	GG	1940448916
SNP_P1_186186_39956	NW_004515882.1	Scaffold398	39956	CC	TT	1940448917
SNP_P1_186187_43361	NW_004515882.1	Scaffold398	43361	TT	CC	1940448918
SNP_P1_186188_44210	NW_004515882.1	Scaffold398	44210	CC	GG	1940448919
SNP_P1_186190_45433	NW_004515882.1	Scaffold398	45433	GG	AA	1940448920
SNP_P1_186191_48961	NW_004515882.1	Scaffold398	48961	CC	TT	1940448921
SNP_P1_186194_51336	NW_004515882.1	Scaffold398	51336	GG	AA	1940448922
SNP_P1_186195_54453	NW_004515882.1	Scaffold398	54453	CC	TT	1940448923
SNP_P1_186197_61213	NW_004515882.1	Scaffold398	61213	AA	GG	1940448924
SNP_P1_186199_62751	NW_004515882.1	Scaffold398	62751	AA	GG	1940448925
SNP_P1_186200_62796	NW_004515882.1	Scaffold398	62796	TT	CC	1940448926
SNP_P1_186201_63589	NW_004515882.1	Scaffold398	63589	AA	TT	1940448927
SNP_P1_186202_63852	NW_004515882.1	Scaffold398	63852	TT	CC	1940448928
SNP_P1_186203_64757	NW_004515882.1	Scaffold398	64757	TT	CC	1940448929
SNP_P1_186204_68140	NW_004515882.1	Scaffold398	68140	AA	GG	1940448930
SNP_P1_186205_68223	NW_004515882.1	Scaffold398	68223	CC	TT	1940448931
SNP_P1_186206_68422	NW_004515882.1	Scaffold398	68422	AA	GG	1940448932
SNP_P1_186207_68483	NW_004515882.1	Scaffold398	68483	AA	GG	1940448933
SNP_P1_186208_68485	NW_004515882.1	Scaffold398	68485	AA	GG	1940448934
SNP_P1_186209_68510	NW_004515882.1	Scaffold398	68510	AA	GG	1940448935
SNP_P1_186210_68855	NW_004515882.1	Scaffold398	68855	GG	AA	1940448936
SNP_P1_186212_69381	NW_004515882.1	Scaffold398	69381	CC	TT	1940448937
SNP_P1_186213_70797	NW_004515882.1	Scaffold398	70797	CC	TT	1940448938
SNP_P1_186214_71140	NW_004515882.1	Scaffold398	71140	CC	TT	1940448939
SNP_P1_186215_72456	NW_004515882.1	Scaffold398	72456	TT	CC	1940448940
SNP_P1_186216_73980	NW_004515882.1	Scaffold398	73980	GG	AA	1940448941
SNP_P1_186217_77285	NW_004515882.1	Scaffold398	77285	CC	TT	1940448942
SNP_P1_186218_79380	NW_004515882.1	Scaffold398	79380	TT	CC	1940448943
SNP_P1_186219_79456	NW_004515882.1	Scaffold398	79456	TT	CC	1940448944

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_186220_88751	NW_004515882.1	Scaffold398	88751	GG	AA	1940448945
SNP_P1_186221_88884	NW_004515882.1	Scaffold398	88884	CC	AA	1940448946
SNP_P1_186222_89525	NW_004515882.1	Scaffold398	89525	CC	TT	1940448947
SNP_P1_186223_89626	NW_004515882.1	Scaffold398	89626	AA	GG	1940448948
SNP_P1_186224_90135	NW_004515882.1	Scaffold398	90135	AA	CC	1940448949
SNP_P1_186225_91458	NW_004515882.1	Scaffold398	91458	GG	AA	1940448950
SNP_P1_186226_92505	NW_004515882.1	Scaffold398	92505	GG	AA	1940448951
SNP_P1_186227_95271	NW_004515882.1	Scaffold398	95271	CC	AA	1940448952
SNP_P1_186228_97773	NW_004515882.1	Scaffold398	97773	AA	CC	1940448953
SNP_P1_186229_97774	NW_004515882.1	Scaffold398	97774	TT	AA	1940448955
SNP_P1_186230_101082	NW_004515882.1	Scaffold398	101082	TT	AA	1940448956
SNP_P1_186231_101680	NW_004515882.1	Scaffold398	101680	GG	TT	1940448957
SNP_P1_186232_101950	NW_004515882.1	Scaffold398	101950	TT	AA	1940448958
SNP_P1_186233_101956	NW_004515882.1	Scaffold398	101956	AA	TT	1940448959
SNP_P1_186234_103564	NW_004515882.1	Scaffold398	103564	CC	TT	1940448960
SNP_P1_186235_104886	NW_004515882.1	Scaffold398	104886	TT	CC	1940448961
SNP_P1_186236_105649	NW_004515882.1	Scaffold398	105649	AA	GG	1940448962
SNP_P1_186237_106217	NW_004515882.1	Scaffold398	106217	CC	TT	1940448963
SNP_P1_186238_106338	NW_004515882.1	Scaffold398	106338	TT	CC	1940448964
SNP_P1_186239_107037	NW_004515882.1	Scaffold398	107037	CC	TT	1940448965
SNP_P1_186240_110526	NW_004515882.1	Scaffold398	110526	AA	TT	1940448966
SNP_P1_186241_110603	NW_004515882.1	Scaffold398	110603	GG	AA	1940448967
SNP_P1_186242_110797	NW_004515882.1	Scaffold398	110797	GG	AA	1940448968
SNP_P1_186243_110798	NW_004515882.1	Scaffold398	110798	AA	GG	1940448969
SNP_P1_186244_111371	NW_004515882.1	Scaffold398	111371	TT	CC	1940448970
SNP_P1_186245_112576	NW_004515882.1	Scaffold398	112576	CC	TT	1940448971
SNP_P1_186247_115241	NW_004515882.1	Scaffold398	115241	TT	CC	1940448972
SNP_P1_186248_115457	NW_004515882.1	Scaffold398	115457	CC	TT	1940448973
SNP_P1_186249_116944	NW_004515882.1	Scaffold398	116944	AA	GG	1940448974
SNP_P1_186250_121579	NW_004515882.1	Scaffold398	121579	GG	CC	1940448975
SNP_P1_186251_125931	NW_004515882.1	Scaffold398	125931	GG	AA	1940448976
SNP_P1_186252_129228	NW_004515882.1	Scaffold398	129228	AA	GG	1940448977
SNP_P1_186253_129822	NW_004515882.1	Scaffold398	129822	AA	CC	1940448978
SNP_P1_186254_131706	NW_004515882.1	Scaffold398	131706	GG	AA	1940448979
SNP_P1_186255_132592	NW_004515882.1	Scaffold398	132592	AA	GG	1940448980
SNP_P1_186256_132607	NW_004515882.1	Scaffold398	132607	TT	CC	1940448981
SNP_P1_186257_132634	NW_004515882.1	Scaffold398	132634	CC	TT	1940448982
SNP_P1_186259_133040	NW_004515882.1	Scaffold398	133040	AA	TT	1940448983
SNP_P1_186260_133113	NW_004515882.1	Scaffold398	133113	GG	TT	1940448984
SNP_P1_186262_136429	NW_004515882.1	Scaffold398	136429	CC	TT	1940448985
SNP_P1_186263_146919	NW_004515882.1	Scaffold398	146919	GG	AA	1940448986
SNP_P1_186264_154062	NW_004515882.1	Scaffold398	154062	GG	AA	1940448987

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186267_163052	NW_004515882.1	Scaffold398	163052	TT	GG	1940448989
SNP_P1_186268_163135	NW_004515882.1	Scaffold398	163135	GG	AA	1940448990
SNP_P1_186269_165390	NW_004515882.1	Scaffold398	165390	GG	CC	1940448991
SNP_P1_186271_174263	NW_004515882.1	Scaffold398	174263	TT	AA	1940448992
SNP_P1_186272_178796	NW_004515882.1	Scaffold398	178796	GG	CC	1940448993
SNP_P1_186274_185174	NW_004515882.1	Scaffold398	185174	TT	CC	1940448994
SNP_P1_186275_187980	NW_004515882.1	Scaffold398	187980	AA	CC	1940448995
SNP_P1_186276_188007	NW_004515882.1	Scaffold398	188007	AA	GG	1940448996
SNP_P1_186277_198086	NW_004515882.1	Scaffold398	198086	AA	GG	1940448997
SNP_P1_186278_200014	NW_004515882.1	Scaffold398	200014	CC	GG	1940448998
SNP_P1_186279_200467	NW_004515882.1	Scaffold398	200467	GG	AA	1940448999
SNP_P1_186280_202231	NW_004515882.1	Scaffold398	202231	AA	GG	1940449000
SNP_P1_186281_204190	NW_004515882.1	Scaffold398	204190	GG	TT	1940449001
SNP_P1_186282_204218	NW_004515882.1	Scaffold398	204218	TT	CC	1940449002
SNP_P1_186283_204219	NW_004515882.1	Scaffold398	204219	GG	AA	1940449003
SNP_P1_186284_206330	NW_004515882.1	Scaffold398	206330	TT	CC	1940449004
SNP_P1_186285_206408	NW_004515882.1	Scaffold398	206408	AA	CC	1940449005
SNP_P1_186286_206571	NW_004515882.1	Scaffold398	206571	CC	TT	1940449006
SNP_P1_186287_206723	NW_004515882.1	Scaffold398	206723	AA	TT	1940449007
SNP_P1_186288_207514	NW_004515882.1	Scaffold398	207514	AA	CC	1940449008
SNP_P1_186289_209330	NW_004515882.1	Scaffold398	209330	GG	TT	1940449009
SNP_P1_186290_209852	NW_004515882.1	Scaffold398	209852	AA	CC	1940449010
SNP_P1_186291_209906	NW_004515882.1	Scaffold398	209906	AA	GG	1940449011
SNP_P1_186292_210103	NW_004515882.1	Scaffold398	210103	GG	TT	1940449012
SNP_P1_186294_211182	NW_004515882.1	Scaffold398	211182	CC	TT	1940449013
SNP_P1_186295_211650	NW_004515882.1	Scaffold398	211650	CC	TT	1940449014
SNP_P1_186296_212597	NW_004515882.1	Scaffold398	212597	TT	CC	1940449015
SNP_P1_186297_212660	NW_004515882.1	Scaffold398	212660	GG	AA	1940449016
SNP_P1_186298_212665	NW_004515882.1	Scaffold398	212665	AA	GG	1940449017
SNP_P1_186299_213193	NW_004515882.1	Scaffold398	213193	TT	AA	1940449018
SNP_P1_186300_213393	NW_004515882.1	Scaffold398	213393	TT	CC	1940449019
SNP_P1_186302_213652	NW_004515882.1	Scaffold398	213652	CC	AA	1940449020
SNP_P1_186304_215006	NW_004515882.1	Scaffold398	215006	GG	TT	1940449021
SNP_P1_186305_215214	NW_004515882.1	Scaffold398	215214	TT	GG	1940449022
SNP_P1_186306_216158	NW_004515882.1	Scaffold398	216158	GG	TT	1940449023
SNP_P1_186307_232490	NW_004515882.1	Scaffold398	232490	AA	GG	1940449024
SNP_P1_186308_244337	NW_004515882.1	Scaffold398	244337	CC	AA	1940449025
SNP_P1_186309_244355	NW_004515882.1	Scaffold398	244355	AA	TT	1940449026
SNP_P1_186310_245553	NW_004515882.1	Scaffold398	245553	TT	CC	1940449027
SNP_P1_186311_245591	NW_004515882.1	Scaffold398	245591	TT	AA	1940449028
SNP_P1_186312_247617	NW_004515882.1	Scaffold398	247617	GG	TT	1940449029

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186314_247652	NW_004515882.1	Scaffold398	247652	CC	AA	1940449031
SNP_P1_186315_247663	NW_004515882.1	Scaffold398	247663	AA	GG	1940449032
SNP_P1_186316_247664	NW_004515882.1	Scaffold398	247664	GG	AA	1940449033
SNP_P1_186317_247673	NW_004515882.1	Scaffold398	247673	AA	CC	1940449034
SNP_P1_186318_247993	NW_004515882.1	Scaffold398	247993	TT	AA	1940449035
SNP_P1_186319_248311	NW_004515882.1	Scaffold398	248311	TT	AA	1940449036
SNP_P1_186321_249951	NW_004515882.1	Scaffold398	249951	CC	GG	1940449037
SNP_P1_186322_251310	NW_004515882.1	Scaffold398	251310	AA	GG	1940449038
SNP_P1_186323_251833	NW_004515882.1	Scaffold398	251833	TT	CC	1940449039
SNP_P1_186325_252317	NW_004515882.1	Scaffold398	252317	TT	CC	1940449040
SNP_P1_186326_252367	NW_004515882.1	Scaffold398	252367	TT	CC	1940449041
SNP_P1_186327_252587	NW_004515882.1	Scaffold398	252587	CC	TT	1940449042
SNP_P1_186329_253489	NW_004515882.1	Scaffold398	253489	AA	GG	1940449043
SNP_P1_186330_257757	NW_004515882.1	Scaffold398	257757	AA	GG	1940449044
SNP_P1_186331_258851	NW_004515882.1	Scaffold398	258851	CC	TT	1940449045
SNP_P1_186332_259125	NW_004515882.1	Scaffold398	259125	AA	TT	1940449046
SNP_P1_186333_259756	NW_004515882.1	Scaffold398	259756	GG	AA	1940449047
SNP_P1_186336_266593	NW_004515882.1	Scaffold398	266593	GG	AA	1940449048
SNP_P1_186337_266888	NW_004515882.1	Scaffold398	266888	GG	AA	1940449049
SNP_P1_186338_268211	NW_004515882.1	Scaffold398	268211	GG	AA	1940449050
SNP_P1_186339_268616	NW_004515882.1	Scaffold398	268616	CC	TT	1940449051
SNP_P1_186340_268651	NW_004515882.1	Scaffold398	268651	CC	TT	1940449052
SNP_P1_186341_269173	NW_004515882.1	Scaffold398	269173	AA	GG	1940449053
SNP_P1_186343_269345	NW_004515882.1	Scaffold398	269345	AA	GG	1940449054
SNP_P1_186346_269510	NW_004515882.1	Scaffold398	269510	CC	TT	1940449055
SNP_P1_186347_269990	NW_004515882.1	Scaffold398	269990	AA	TT	1940449056
SNP_P1_186349_270180	NW_004515882.1	Scaffold398	270180	TT	CC	1940449057
SNP_P1_186350_270194	NW_004515882.1	Scaffold398	270194	AA	TT	1940449058
SNP_P1_186351_270519	NW_004515882.1	Scaffold398	270519	CC	TT	1940449059
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SNP_P1_186354_271624	NW_004515882.1	Scaffold398	271624	CC	GG	1940449061
SNP_P1_186355_275131	NW_004515882.1	Scaffold398	275131	CC	TT	1940449062
SNP_P1_186356_275315	NW_004515882.1	Scaffold398	275315	TT	AA	1940449063
SNP_P1_186358_275653	NW_004515882.1	Scaffold398	275653	AA	GG	1940449064
SNP_P1_186360_275954	NW_004515882.1	Scaffold398	275954	CC	TT	1940449065
SNP_P1_186361_276001	NW_004515882.1	Scaffold398	276001	GG	AA	1940449066
SNP_P1_186362_278607	NW_004515882.1	Scaffold398	278607	GG	TT	1940449067
SNP_P1_186363_281192	NW_004515882.1	Scaffold398	281192	GG	CC	1940449068
SNP_P1_186364_282622	NW_004515882.1	Scaffold398	282622	AA	GG	1940449069
SNP_P1_186365_282759	NW_004515882.1	Scaffold398	282759	CC	AA	1940449070
SNP_P1_186366_282815	NW_004515882.1	Scaffold398	282815	GG	AA	1940449071

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186368_286037	NW_004515882.1	Scaffold398	286037	CC	TT	1940449073
SNP_P1_186369_287279	NW_004515882.1	Scaffold398	287279	CC	TT	1940449074
SNP_P1_186370_287740	NW_004515882.1	Scaffold398	287740	CC	TT	1940449075
SNP_P1_186371_287934	NW_004515882.1	Scaffold398	287934	CC	TT	1940449076
SNP_P1_186373_288429	NW_004515882.1	Scaffold398	288429	CC	TT	1940449077
SNP_P1_186375_289080	NW_004515882.1	Scaffold398	289080	TT	CC	1940449078
SNP_P1_186376_289089	NW_004515882.1	Scaffold398	289089	CC	AA	1940449079
SNP_P1_186377_289576	NW_004515882.1	Scaffold398	289576	TT	CC	1940449080
SNP_P1_186378_290320	NW_004515882.1	Scaffold398	290320	CC	AA	1940449081
SNP_P1_186379_290333	NW_004515882.1	Scaffold398	290333	CC	TT	1940449082
SNP_P1_186382_290857	NW_004515882.1	Scaffold398	290857	GG	AA	1940449083
SNP_P1_186383_291170	NW_004515882.1	Scaffold398	291170	CC	TT	1940449084
SNP_P1_186384_292558	NW_004515882.1	Scaffold398	292558	TT	GG	1940449085
SNP_P1_186387_301411	NW_004515882.1	Scaffold398	301411	CC	TT	1940449086
SNP_P1_186388_301593	NW_004515882.1	Scaffold398	301593	GG	AA	1940449087
SNP_P1_186390_301782	NW_004515882.1	Scaffold398	301782	GG	CC	1940449088
SNP_P1_186391_302172	NW_004515882.1	Scaffold398	302172	GG	AA	1940449089
SNP_P1_186392_304250	NW_004515882.1	Scaffold398	304250	CC	GG	1940449090
SNP_P1_186393_304525	NW_004515882.1	Scaffold398	304525	GG	AA	1940449091
SNP_P1_186394_304854	NW_004515882.1	Scaffold398	304854	AA	CC	1940449092
SNP_P1_186395_306882	NW_004515882.1	Scaffold398	306882	GG	AA	1940449093
SNP_P1_186396_306904	NW_004515882.1	Scaffold398	306904	AA	GG	1940449094
SNP_P1_186397_306914	NW_004515882.1	Scaffold398	306914	CC	TT	1940449095
SNP_P1_186398_308529	NW_004515882.1	Scaffold398	308529	TT	CC	1940449096
SNP_P1_186399_308902	NW_004515882.1	Scaffold398	308902	CC	AA	1940449097
SNP_P1_186400_309405	NW_004515882.1	Scaffold398	309405	TT	CC	1940449098
SNP_P1_186401_311833	NW_004515882.1	Scaffold398	311833	AA	TT	1940449099
SNP_P1_186402_312407	NW_004515882.1	Scaffold398	312407	TT	CC	1940449100
SNP_P1_186403_314687	NW_004515882.1	Scaffold398	314687	GG	TT	1940449101
SNP_P1_186404_315351	NW_004515882.1	Scaffold398	315351	TT	AA	1940449102
SNP_P1_186405_315585	NW_004515882.1	Scaffold398	315585	AA	TT	1940449103
SNP_P1_186406_319018	NW_004515882.1	Scaffold398	319018	TT	CC	1940449104
SNP_P1_186408_328960	NW_004515882.1	Scaffold398	328960	AA	GG	1940449105
SNP_P1_186409_329176	NW_004515882.1	Scaffold398	329176	TT	CC	1940449106
SNP_P1_186410_330643	NW_004515882.1	Scaffold398	330643	TT	CC	1940449108
SNP_P1_186411_331130	NW_004515882.1	Scaffold398	331130	CC	TT	1940449109
SNP_P1_186412_331476	NW_004515882.1	Scaffold398	331476	GG	AA	1940449110
SNP_P1_186413_331477	NW_004515882.1	Scaffold398	331477	TT	GG	1940449111
SNP_P1_186414_331777	NW_004515882.1	Scaffold398	331777	GG	AA	1940449112
SNP_P1_186415_332044	NW_004515882.1	Scaffold398	332044	GG	AA	1940449113
SNP_P1_186416_332247	NW_004515882.1	Scaffold398	332247	TT	CC	1940449114

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186418_332265	NW_004515882.1	Scaffold398	332265	TT	GG	1940449116
SNP_P1_186419_332581	NW_004515882.1	Scaffold398	332581	AA	GG	1940449117
SNP_P1_186420_332605	NW_004515882.1	Scaffold398	332605	GG	AA	1940449118
SNP_P1_186421_332621	NW_004515882.1	Scaffold398	332621	TT	CC	1940449119
SNP_P1_186422_332627	NW_004515882.1	Scaffold398	332627	CC	GG	1940449120
SNP_P1_186423_332628	NW_004515882.1	Scaffold398	332628	AA	GG	1940449121
SNP_P1_186424_332647	NW_004515882.1	Scaffold398	332647	AA	GG	1940449122
SNP_P1_186425_333203	NW_004515882.1	Scaffold398	333203	AA	GG	1940449123
SNP_P1_186426_333309	NW_004515882.1	Scaffold398	333309	GG	AA	1940449124
SNP_P1_186427_333328	NW_004515882.1	Scaffold398	333328	TT	CC	1940449125
SNP_P1_186428_333332	NW_004515882.1	Scaffold398	333332	AA	GG	1940449126
SNP_P1_186429_333547	NW_004515882.1	Scaffold398	333547	TT	CC	1940449127
SNP_P1_186430_333830	NW_004515882.1	Scaffold398	333830	GG	TT	1940449128
SNP_P1_186431_334185	NW_004515882.1	Scaffold398	334185	TT	CC	1940449129
SNP_P1_186432_334195	NW_004515882.1	Scaffold398	334195	GG	TT	1940449130
SNP_P1_186433_334196	NW_004515882.1	Scaffold398	334196	CC	AA	1940449131
SNP_P1_186434_334239	NW_004515882.1	Scaffold398	334239	AA	GG	1940449132
SNP_P1_186435_334498	NW_004515882.1	Scaffold398	334498	AA	GG	1940449133
SNP_P1_186436_334941	NW_004515882.1	Scaffold398	334941	CC	GG	1940449134
SNP_P1_186437_335003	NW_004515882.1	Scaffold398	335003	AA	GG	1940449135
SNP_P1_186438_335677	NW_004515882.1	Scaffold398	335677	TT	CC	1940449136
SNP_P1_186439_335744	NW_004515882.1	Scaffold398	335744	AA	GG	1940449137
SNP_P1_186440_335749	NW_004515882.1	Scaffold398	335749	CC	TT	1940449138
SNP_P1_186441_335968	NW_004515882.1	Scaffold398	335968	GG	TT	1940449139
SNP_P1_186442_335996	NW_004515882.1	Scaffold398	335996	CC	TT	1940449140
SNP_P1_186443_336033	NW_004515882.1	Scaffold398	336033	CC	AA	1940449141
SNP_P1_186444_336133	NW_004515882.1	Scaffold398	336133	TT	CC	1940449142
SNP_P1_186445_336434	NW_004515882.1	Scaffold398	336434	TT	CC	1940449143
SNP_P1_186446_336445	NW_004515882.1	Scaffold398	336445	AA	GG	1940449144
SNP_P1_186447_339214	NW_004515882.1	Scaffold398	339214	GG	AA	1940449145
SNP_P1_186448_339285	NW_004515882.1	Scaffold398	339285	CC	AA	1940449146
SNP_P1_186450_339365	NW_004515882.1	Scaffold398	339365	GG	AA	1940449147
SNP_P1_186451_339377	NW_004515882.1	Scaffold398	339377	AA	GG	1940449148
SNP_P1_186454_339546	NW_004515882.1	Scaffold398	339546	GG	AA	1940449149
SNP_P1_186455_339558	NW_004515882.1	Scaffold398	339558	TT	CC	1940449150
SNP_P1_186456_339679	NW_004515882.1	Scaffold398	339679	CC	TT	1940449151
SNP_P1_186457_339736	NW_004515882.1	Scaffold398	339736	AA	TT	1940449152
SNP_P1_186458_339923	NW_004515882.1	Scaffold398	339923	AA	GG	1940449153
SNP_P1_186459_340060	NW_004515882.1	Scaffold398	340060	TT	CC	1940449154
SNP_P1_186460_340160	NW_004515882.1	Scaffold398	340160	GG	CC	1940449155
SNP_P1_186461_340374	NW_004515882.1	Scaffold398	340374	CC	TT	1940449156

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186463_341847	NW_004515882.1	Scaffold398	341847	GG	AA	1940449158
SNP_P1_186464_344575	NW_004515882.1	Scaffold398	344575	GG	AA	1940449159
SNP_P1_186466_345467	NW_004515882.1	Scaffold398	345467	GG	CC	1940449160
SNP_P1_186467_347374	NW_004515882.1	Scaffold398	347374	CC	AA	1940449161
SNP_P1_186468_347386	NW_004515882.1	Scaffold398	347386	CC	TT	1940449162
SNP_P1_186470_348033	NW_004515882.1	Scaffold398	348033	GG	TT	1940449163
SNP_P1_186471_348292	NW_004515882.1	Scaffold398	348292	CC	AA	1940449164
SNP_P1_186472_348771	NW_004515882.1	Scaffold398	348771	TT	CC	1940449165
SNP_P1_186473_348773	NW_004515882.1	Scaffold398	348773	GG	AA	1940449166
SNP_P1_186474_348792	NW_004515882.1	Scaffold398	348792	AA	GG	1940449167
SNP_P1_186475_349161	NW_004515882.1	Scaffold398	349161	GG	TT	1940449168
SNP_P1_186476_349201	NW_004515882.1	Scaffold398	349201	CC	TT	1940449169
SNP_P1_186478_350117	NW_004515882.1	Scaffold398	350117	CC	AA	1940449170
SNP_P1_186479_350495	NW_004515882.1	Scaffold398	350495	TT	CC	1940449171
SNP_P1_186480_350528	NW_004515882.1	Scaffold398	350528	TT	AA	1940449172
SNP_P1_186481_350550	NW_004515882.1	Scaffold398	350550	AA	GG	1940449173
SNP_P1_186482_350555	NW_004515882.1	Scaffold398	350555	AA	GG	1940449174
SNP_P1_186483_350564	NW_004515882.1	Scaffold398	350564	CC	TT	1940449175
SNP_P1_186484_350570	NW_004515882.1	Scaffold398	350570	TT	AA	1940449176
SNP_P1_186485_350576	NW_004515882.1	Scaffold398	350576	TT	CC	1940449177
SNP_P1_186486_350588	NW_004515882.1	Scaffold398	350588	TT	CC	1940449178
SNP_P1_186487_350650	NW_004515882.1	Scaffold398	350650	AA	CC	1940449179
SNP_P1_186488_350688	NW_004515882.1	Scaffold398	350688	TT	CC	1940449180
SNP_P1_186489_350744	NW_004515882.1	Scaffold398	350744	TT	CC	1940449181
SNP_P1_186490_350877	NW_004515882.1	Scaffold398	350877	CC	TT	1940449182
SNP_P1_186491_350911	NW_004515882.1	Scaffold398	350911	GG	AA	1940449183
SNP_P1_186492_351316	NW_004515882.1	Scaffold398	351316	CC	TT	1940449184
SNP_P1_186494_352507	NW_004515882.1	Scaffold398	352507	TT	GG	1940449185
SNP_P1_186495_352658	NW_004515882.1	Scaffold398	352658	AA	CC	1940449186
SNP_P1_186496_352815	NW_004515882.1	Scaffold398	352815	CC	AA	1940449187
SNP_P1_186497_352829	NW_004515882.1	Scaffold398	352829	AA	CC	1940449188
SNP_P1_186498_353092	NW_004515882.1	Scaffold398	353092	GG	AA	1940449189
SNP_P1_186499_354713	NW_004515882.1	Scaffold398	354713	CC	GG	1940449190
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SNP_P1_186502_364652	NW_004515882.1	Scaffold398	364652	AA	GG	1940449192
SNP_P1_186503_364739	NW_004515882.1	Scaffold398	364739	CC	TT	1940449193
SNP_P1_186504_365287	NW_004515882.1	Scaffold398	365287	GG	TT	1940449194
SNP_P1_186505_365333	NW_004515882.1	Scaffold398	365333	AA	CC	1940449195
SNP_P1_186506_365830	NW_004515882.1	Scaffold398	365830	TT	CC	1940449196
SNP_P1_186507_366116	NW_004515882.1	Scaffold398	366116	GG	AA	1940449197
SNP_P1_186508_366414	NW_004515882.1	Scaffold398	366414	AA	GG	1940449198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186511_366915	NW_004515882.1	Scaffold398	366915	AA	GG	1940449201
SNP_P1_186512_366946	NW_004515882.1	Scaffold398	366946	AA	TT	1940449202
SNP_P1_186513_366979	NW_004515882.1	Scaffold398	366979	CC	TT	1940449203
SNP_P1_186514_367035	NW_004515882.1	Scaffold398	367035	TT	CC	1940449204
SNP_P1_186516_367202	NW_004515882.1	Scaffold398	367202	TT	CC	1940449205
SNP_P1_186517_367208	NW_004515882.1	Scaffold398	367208	CC	GG	1940449206
SNP_P1_186519_367297	NW_004515882.1	Scaffold398	367297	AA	TT	1940449207
SNP_P1_186520_369675	NW_004515882.1	Scaffold398	369675	AA	CC	1940449208
SNP_P1_186523_373810	NW_004515882.1	Scaffold398	373810	TT	CC	1940449209
SNP_P1_186524_375140	NW_004515882.1	Scaffold398	375140	GG	AA	1940449210
SNP_P1_186525_377918	NW_004515882.1	Scaffold398	377918	GG	AA	1940449211
SNP_P1_186526_378674	NW_004515882.1	Scaffold398	378674	AA	GG	1940449212
SNP_P1_186527_378703	NW_004515882.1	Scaffold398	378703	TT	CC	1940449213
SNP_P1_186528_378801	NW_004515882.1	Scaffold398	378801	AA	GG	1940449214
SNP_P1_186529_378810	NW_004515882.1	Scaffold398	378810	AA	GG	1940449215
SNP_P1_186530_378827	NW_004515882.1	Scaffold398	378827	AA	GG	1940449216
SNP_P1_186531_378869	NW_004515882.1	Scaffold398	378869	GG	AA	1940449217
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SNP_P1_186536_379155	NW_004515882.1	Scaffold398	379155	AA	TT	1940449221
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SNP_P1_186538_382884	NW_004515882.1	Scaffold398	382884	CC	AA	1940449223
SNP_P1_186539_383124	NW_004515882.1	Scaffold398	383124	AA	GG	1940449224
SNP_P1_186540_383276	NW_004515882.1	Scaffold398	383276	GG	AA	1940449225
SNP_P1_186541_384210	NW_004515882.1	Scaffold398	384210	GG	TT	1940449227
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SNP_P1_186545_387113	NW_004515882.1	Scaffold398	387113	GG	TT	1940449230
SNP_P1_186546_388257	NW_004515882.1	Scaffold398	388257	AA	CC	1940449231
SNP_P1_186547_388353	NW_004515882.1	Scaffold398	388353	CC	AA	1940449232
SNP_P1_186548_389568	NW_004515882.1	Scaffold398	389568	GG	TT	1940449233
SNP_P1_186549_389865	NW_004515882.1	Scaffold398	389865	AA	GG	1940449234
SNP_P1_186550_390280	NW_004515882.1	Scaffold398	390280	AA	GG	1940449235
SNP_P1_186551_390284	NW_004515882.1	Scaffold398	390284	AA	CC	1940449236
SNP_P1_186552_390475	NW_004515882.1	Scaffold398	390475	TT	GG	1940449237
SNP_P1_186553_390482	NW_004515882.1	Scaffold398	390482	GG	TT	1940449238
SNP_P1_186554_390506	NW_004515882.1	Scaffold398	390506	TT	CC	1940449239
SNP_P1_186555_390530	NW_004515882.1	Scaffold398	390530	TT	CC	1940449240
SNP_P1_186556_390552	NW_004515882.1	Scaffold398	390552	GG	AA	1940449241

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186559_392873	NW_004515882.1	Scaffold398	392873	TT	AA	1940449244
SNP_P1_186560_393129	NW_004515882.1	Scaffold398	393129	AA	GG	1940449245
SNP_P1_186561_393223	NW_004515882.1	Scaffold398	393223	CC	TT	1940449246
SNP_P1_186562_393241	NW_004515882.1	Scaffold398	393241	CC	TT	1940449247
SNP_P1_186563_395478	NW_004515882.1	Scaffold398	395478	AA	GG	1940449248
SNP_P1_186564_395502	NW_004515882.1	Scaffold398	395502	GG	AA	1940449249
SNP_P1_186565_395623	NW_004515882.1	Scaffold398	395623	AA	GG	1940449250
SNP_P1_186566_397008	NW_004515882.1	Scaffold398	397008	CC	AA	1940449251
SNP_P1_186567_397349	NW_004515882.1	Scaffold398	397349	AA	GG	1940449252
SNP_P1_186568_397368	NW_004515882.1	Scaffold398	397368	AA	TT	1940449253
SNP_P1_186569_397388	NW_004515882.1	Scaffold398	397388	TT	CC	1940449254
SNP_P1_186570_401088	NW_004515882.1	Scaffold398	401088	AA	GG	1940449255
SNP_P1_186571_402612	NW_004515882.1	Scaffold398	402612	TT	CC	1940449256
SNP_P1_186572_402667	NW_004515882.1	Scaffold398	402667	GG	AA	1940449257
SNP_P1_186573_402945	NW_004515882.1	Scaffold398	402945	TT	CC	1940449258
SNP_P1_186574_402973	NW_004515882.1	Scaffold398	402973	GG	CC	1940449259
SNP_P1_186575_403042	NW_004515882.1	Scaffold398	403042	AA	TT	1940449260
SNP_P1_186576_403711	NW_004515882.1	Scaffold398	403711	AA	GG	1940449261
SNP_P1_186577_404608	NW_004515882.1	Scaffold398	404608	GG	AA	1940449262
SNP_P1_186578_404755	NW_004515882.1	Scaffold398	404755	GG	AA	1940449263
SNP_P1_186579_405612	NW_004515882.1	Scaffold398	405612	GG	TT	1940449264
SNP_P1_186580_406561	NW_004515882.1	Scaffold398	406561	GG	AA	1940449265
SNP_P1_186581_407094	NW_004515882.1	Scaffold398	407094	TT	GG	1940449266
SNP_P1_186582_407255	NW_004515882.1	Scaffold398	407255	GG	CC	1940449267
SNP_P1_186584_407475	NW_004515882.1	Scaffold398	407475	AA	GG	1940449268
SNP_P1_186585_408202	NW_004515882.1	Scaffold398	408202	CC	AA	1940449269
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SNP_P1_186587_409132	NW_004515882.1	Scaffold398	409132	TT	CC	1940449271
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SNP_P1_186594_418219	NW_004515882.1	Scaffold398	418219	CC	TT	1940449278
SNP_P1_186595_418324	NW_004515882.1	Scaffold398	418324	CC	GG	1940449279
SNP_P1_186596_419546	NW_004515882.1	Scaffold398	419546	TT	GG	1940449280
SNP_P1_186597_419830	NW_004515882.1	Scaffold398	419830	GG	AA	1940449281
SNP_P1_186598_420177	NW_004515882.1	Scaffold398	420177	GG	AA	1940449282
SNP_P1_186599_420718	NW_004515882.1	Scaffold398	420718	AA	GG	1940449283

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186602_429770	NW_004515882.1	Scaffold398	429770	TT	CC	1940449286
SNP_P1_186603_429845	NW_004515882.1	Scaffold398	429845	AA	TT	1940449287
SNP_P1_186604_429973	NW_004515882.1	Scaffold398	429973	TT	CC	1940449288
SNP_P1_186605_433446	NW_004515882.1	Scaffold398	433446	TT	CC	1940449289
SNP_P1_186606_434484	NW_004515882.1	Scaffold398	434484	TT	CC	1940449290
SNP_P1_186607_434762	NW_004515882.1	Scaffold398	434762	CC	TT	1940449291
SNP_P1_186608_434904	NW_004515882.1	Scaffold398	434904	GG	AA	1940449292
SNP_P1_186610_437455	NW_004515882.1	Scaffold398	437455	TT	GG	1940449293
SNP_P1_186611_439594	NW_004515882.1	Scaffold398	439594	AA	TT	1940449294
SNP_P1_186614_443445	NW_004515882.1	Scaffold398	443445	AA	GG	1940449295
SNP_P1_186616_448995	NW_004515882.1	Scaffold398	448995	CC	TT	1940449296
SNP_P1_186617_449257	NW_004515882.1	Scaffold398	449257	AA	GG	1940449297
SNP_P1_186619_451750	NW_004515882.1	Scaffold398	451750	AA	GG	1940449298
SNP_P1_186620_452033	NW_004515882.1	Scaffold398	452033	AA	GG	1940449299
SNP_P1_186621_452557	NW_004515882.1	Scaffold398	452557	GG	AA	1940449300
SNP_P1_186622_453485	NW_004515882.1	Scaffold398	453485	CC	TT	1940449301
SNP_P1_186624_454779	NW_004515882.1	Scaffold398	454779	AA	GG	1940449302
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SNP_P1_186627_455247	NW_004515882.1	Scaffold398	455247	TT	CC	1940449304
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SNP_P1_186629_457641	NW_004515882.1	Scaffold398	457641	AA	GG	1940449306
SNP_P1_186630_457857	NW_004515882.1	Scaffold398	457857	TT	CC	1940449307
SNP_P1_186631_457991	NW_004515882.1	Scaffold398	457991	TT	AA	1940449308
SNP_P1_186632_459529	NW_004515882.1	Scaffold398	459529	TT	AA	1940449309
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SNP_P1_186635_461490	NW_004515882.1	Scaffold398	461490	GG	TT	1940449311
SNP_P1_186636_461767	NW_004515882.1	Scaffold398	461767	CC	AA	1940449312
SNP_P1_186637_461859	NW_004515882.1	Scaffold398	461859	AA	GG	1940449313
SNP_P1_186638_462587	NW_004515882.1	Scaffold398	462587	CC	TT	1940449314
SNP_P1_186639_463166	NW_004515882.1	Scaffold398	463166	CC	TT	1940449315
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SNP_P1_186643_465882	NW_004515882.1	Scaffold398	465882	AA	CC	1940449317
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SNP_P1_186645_465984	NW_004515882.1	Scaffold398	465984	AA	GG	1940449319
SNP_P1_186646_465988	NW_004515882.1	Scaffold398	465988	AA	GG	1940449320
SNP_P1_186647_465989	NW_004515882.1	Scaffold398	465989	AA	CC	1940449321
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SNP_P1_186650_466586	NW_004515882.1	Scaffold398	466586	GG	AA	1940449323
SNP_P1_186651_467524	NW_004515882.1	Scaffold398	467524	AA	TT	1940449324
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186655_469580	NW_004515882.1	Scaffold398	469580	GG	AA	1940449328
SNP_P1_186656_471415	NW_004515882.1	Scaffold398	471415	AA	CC	1940449329
SNP_P1_186658_476310	NW_004515882.1	Scaffold398	476310	AA	GG	1940449330
SNP_P1_186659_477471	NW_004515882.1	Scaffold398	477471	AA	GG	1940449331
SNP_P1_186660_478762	NW_004515882.1	Scaffold398	478762	AA	CC	1940449332
SNP_P1_186662_480082	NW_004515882.1	Scaffold398	480082	TT	CC	1940449333
SNP_P1_186663_480885	NW_004515882.1	Scaffold398	480885	CC	TT	1940449334
SNP_P1_186664_482098	NW_004515882.1	Scaffold398	482098	CC	TT	1940449335
SNP_P1_186666_482822	NW_004515882.1	Scaffold398	482822	GG	AA	1940449336
SNP_P1_186667_483508	NW_004515882.1	Scaffold398	483508	CC	TT	1940449337
SNP_P1_186668_483511	NW_004515882.1	Scaffold398	483511	GG	TT	1940449338
SNP_P1_186669_485063	NW_004515882.1	Scaffold398	485063	AA	GG	1940449339
SNP_P1_186671_485315	NW_004515882.1	Scaffold398	485315	AA	GG	1940449340
SNP_P1_186673_487127	NW_004515882.1	Scaffold398	487127	AA	TT	1940449341
SNP_P1_186674_487230	NW_004515882.1	Scaffold398	487230	CC	TT	1940449342
SNP_P1_186675_489932	NW_004515882.1	Scaffold398	489932	GG	AA	1940449343
SNP_P1_186676_490621	NW_004515882.1	Scaffold398	490621	TT	CC	1940449344
SNP_P1_186677_490662	NW_004515882.1	Scaffold398	490662	CC	TT	1940449345
SNP_P1_186678_490867	NW_004515882.1	Scaffold398	490867	GG	AA	1940449346
SNP_P1_186680_490990	NW_004515882.1	Scaffold398	490990	TT	CC	1940449347
SNP_P1_186681_491406	NW_004515882.1	Scaffold398	491406	GG	TT	1940449348
SNP_P1_186682_491737	NW_004515882.1	Scaffold398	491737	GG	AA	1940449349
SNP_P1_186683_491797	NW_004515882.1	Scaffold398	491797	CC	TT	1940449350
SNP_P1_186684_492070	NW_004515882.1	Scaffold398	492070	CC	GG	1940449351
SNP_P1_186685_492416	NW_004515882.1	Scaffold398	492416	TT	CC	1940449352
SNP_P1_186687_492578	NW_004515882.1	Scaffold398	492578	AA	TT	1940449353
SNP_P1_186688_492770	NW_004515882.1	Scaffold398	492770	TT	CC	1940449354
SNP_P1_186689_492904	NW_004515882.1	Scaffold398	492904	GG	AA	1940449355
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SNP_P1_186692_494137	NW_004515882.1	Scaffold398	494137	AA	GG	1940449358
SNP_P1_186693_494273	NW_004515882.1	Scaffold398	494273	CC	TT	1940449359
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SNP_P1_186697_494984	NW_004515882.1	Scaffold398	494984	CC	TT	1940449362
SNP_P1_186698_495272	NW_004515882.1	Scaffold398	495272	TT	GG	1940449363
SNP_P1_186699_495321	NW_004515882.1	Scaffold398	495321	GG	AA	1940449364
SNP_P1_186700_495376	NW_004515882.1	Scaffold398	495376	GG	TT	1940449365
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SNP_P1_186702_495463	NW_004515882.1	Scaffold398	495463	GG	AA	1940449367
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186707_495798	NW_004515882.1	Scaffold398	495798	CC	TT	1940449371
SNP_P1_186708_495894	NW_004515882.1	Scaffold398	495894	TT	AA	1940449372
SNP_P1_186709_495909	NW_004515882.1	Scaffold398	495909	AA	GG	1940449373
SNP_P1_186710_496234	NW_004515882.1	Scaffold398	496234	TT	CC	1940449374
SNP_P1_186711_497466	NW_004515882.1	Scaffold398	497466	AA	GG	1940449375
SNP_P1_186712_24191	NW_004515883.1	Scaffold399	24191	TT	CC	1940449376
SNP_P1_186713_26153	NW_004515883.1	Scaffold399	26153	AA	CC	1940449377
SNP_P1_186714_26175	NW_004515883.1	Scaffold399	26175	TT	CC	1940449378
SNP_P1_186715_29425	NW_004515883.1	Scaffold399	29425	AA	GG	1940449379
SNP_P1_186716_29476	NW_004515883.1	Scaffold399	29476	GG	CC	1940449380
SNP_P1_186717_40455	NW_004515883.1	Scaffold399	40455	CC	TT	1940449381
SNP_P1_186718_40464	NW_004515883.1	Scaffold399	40464	GG	AA	1940449382
SNP_P1_186719_44040	NW_004515883.1	Scaffold399	44040	CC	TT	1940449383
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SNP_P1_186721_44378	NW_004515883.1	Scaffold399	44378	AA	GG	1940449385
SNP_P1_186722_49518	NW_004515883.1	Scaffold399	49518	TT	AA	1940449386
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SNP_P1_186724_49914	NW_004515883.1	Scaffold399	49914	GG	CC	1940449388
SNP_P1_186725_54388	NW_004515883.1	Scaffold399	54388	TT	CC	1940449389
SNP_P1_186727_66486	NW_004515883.1	Scaffold399	66486	AA	TT	1940449390
SNP_P1_186730_72236	NW_004515883.1	Scaffold399	72236	TT	CC	1940449391
SNP_P1_186731_72398	NW_004515883.1	Scaffold399	72398	AA	CC	1940449392
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SNP_P1_186733_74236	NW_004515883.1	Scaffold399	74236	GG	TT	1940449394
SNP_P1_186734_74285	NW_004515883.1	Scaffold399	74285	CC	AA	1940449395
SNP_P1_186735_74324	NW_004515883.1	Scaffold399	74324	AA	GG	1940449396
SNP_P1_186736_74342	NW_004515883.1	Scaffold399	74342	AA	GG	1940449397
SNP_P1_186737_81693	NW_004515883.1	Scaffold399	81693	CC	TT	1940449398
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SNP_P1_186739_82474	NW_004515883.1	Scaffold399	82474	GG	TT	1940449400
SNP_P1_186740_82533	NW_004515883.1	Scaffold399	82533	AA	GG	1940449401
SNP_P1_186741_82565	NW_004515883.1	Scaffold399	82565	TT	AA	1940449402
SNP_P1_186742_92605	NW_004515883.1	Scaffold399	92605	CC	TT	1940449403
SNP_P1_186744_102388	NW_004515883.1	Scaffold399	102388	CC	TT	1940449404
SNP_P1_186745_102412	NW_004515883.1	Scaffold399	102412	TT	CC	1940449405
SNP_P1_186747_104681	NW_004515883.1	Scaffold399	104681	TT	CC	1940449406
SNP_P1_186748_111173	NW_004515883.1	Scaffold399	111173	AA	GG	1940449407
SNP_P1_186749_504	NW_004515884.1	Scaffold400	504	GG	AA	1940449408
SNP_P1_186750_1731	NW_004515884.1	Scaffold400	1731	AA	GG	1940449409
SNP_P1_186751_2406	NW_004515884.1	Scaffold400	2406	AA	TT	1940449410

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186753_17219	NW_004515884.1	Scaffold400	17219	CC	TT	1940449412
SNP_P1_186754_17223	NW_004515884.1	Scaffold400	17223	AA	GG	1940449413
SNP_P1_186755_17227	NW_004515884.1	Scaffold400	17227	AA	GG	1940449414
SNP_P1_186756_17233	NW_004515884.1	Scaffold400	17233	AA	GG	1940449415
SNP_P1_186757_17772	NW_004515884.1	Scaffold400	17772	AA	GG	1940449416
SNP_P1_186758_25252	NW_004515884.1	Scaffold400	25252	AA	GG	1940449417
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SNP_P1_186761_32778	NW_004515884.1	Scaffold400	32778	AA	GG	1940449420
SNP_P1_186762_35193	NW_004515884.1	Scaffold400	35193	CC	AA	1940449421
SNP_P1_186763_41100	NW_004515884.1	Scaffold400	41100	TT	GG	1940449422
SNP_P1_186764_41266	NW_004515884.1	Scaffold400	41266	CC	TT	1940449423
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SNP_P1_186771_41665	NW_004515884.1	Scaffold400	41665	GG	AA	1940449430
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SNP_P1_186778_41853	NW_004515884.1	Scaffold400	41853	GG	AA	1940449437
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SNP_P1_186780_41895	NW_004515884.1	Scaffold400	41895	GG	TT	1940449439
SNP_P1_186781_41930	NW_004515884.1	Scaffold400	41930	CC	AA	1940449440
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SNP_P1_186784_41994	NW_004515884.1	Scaffold400	41994	TT	CC	1940449443
SNP_P1_186785_42027	NW_004515884.1	Scaffold400	42027	GG	AA	1940449444
SNP_P1_186786_42075	NW_004515884.1	Scaffold400	42075	CC	AA	1940449445
SNP_P1_186787_42090	NW_004515884.1	Scaffold400	42090	AA	TT	1940449446
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SNP_P1_186791_42184	NW_004515884.1	Scaffold400	42184	AA	TT	1940449450
SNP_P1_186792_42193	NW_004515884.1	Scaffold400	42193	TT	AA	1940449451
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186795_42255	NW_004515884.1	Scaffold400	42255	GG	TT	1940449454
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SNP_P1_186797_42291	NW_004515884.1	Scaffold400	42291	TT	CC	1940449456
SNP_P1_186798_42373	NW_004515884.1	Scaffold400	42373	TT	GG	1940449457
SNP_P1_186799_42433	NW_004515884.1	Scaffold400	42433	TT	CC	1940449458
SNP_P1_186800_42441	NW_004515884.1	Scaffold400	42441	AA	TT	1940449459
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SNP_P1_186802_42544	NW_004515884.1	Scaffold400	42544	TT	AA	1940449461
SNP_P1_186803_42611	NW_004515884.1	Scaffold400	42611	AA	CC	1940449462
SNP_P1_186804_42806	NW_004515884.1	Scaffold400	42806	CC	TT	1940449463
SNP_P1_186805_42810	NW_004515884.1	Scaffold400	42810	CC	GG	1940449464
SNP_P1_186806_42818	NW_004515884.1	Scaffold400	42818	TT	CC	1940449465
SNP_P1_186807_42846	NW_004515884.1	Scaffold400	42846	TT	GG	1940449466
SNP_P1_186808_43070	NW_004515884.1	Scaffold400	43070	CC	GG	1940449467
SNP_P1_186809_43194	NW_004515884.1	Scaffold400	43194	CC	AA	1940449468
SNP_P1_186810_43238	NW_004515884.1	Scaffold400	43238	CC	AA	1940449469
SNP_P1_186811_43463	NW_004515884.1	Scaffold400	43463	TT	AA	1940449470
SNP_P1_186812_43620	NW_004515884.1	Scaffold400	43620	CC	TT	1940449471
SNP_P1_186813_43649	NW_004515884.1	Scaffold400	43649	CC	GG	1940449472
SNP_P1_186816_44623	NW_004515884.1	Scaffold400	44623	AA	TT	1940449473
SNP_P1_186817_62677	NW_004515884.1	Scaffold400	62677	AA	GG	1940449474
SNP_P1_186818_63528	NW_004515884.1	Scaffold400	63528	CC	TT	1940449475
SNP_P1_186819_63536	NW_004515884.1	Scaffold400	63536	AA	TT	1940449476
SNP_P1_186820_66610	NW_004515884.1	Scaffold400	66610	AA	GG	1940449477
SNP_P1_186821_66914	NW_004515884.1	Scaffold400	66914	AA	GG	1940449478
SNP_P1_186822_67155	NW_004515884.1	Scaffold400	67155	AA	TT	1940449479
SNP_P1_186823_69523	NW_004515884.1	Scaffold400	69523	GG	AA	1940449480
SNP_P1_186824_14623	NW_004515885.1	Scaffold401	14623	AA	GG	1940449481
SNP_P1_186825_26521	NW_004515885.1	Scaffold401	26521	CC	AA	1940449482
SNP_P1_186826_33879	NW_004515885.1	Scaffold401	33879	AA	GG	1940449483
SNP_P1_186827_44665	NW_004515885.1	Scaffold401	44665	CC	TT	1940449484
SNP_P1_186828_50634	NW_004515885.1	Scaffold401	50634	AA	GG	1940449485
SNP_P1_186829_50646	NW_004515885.1	Scaffold401	50646	AA	TT	1940449486
SNP_P1_186830_53212	NW_004515885.1	Scaffold401	53212	AA	GG	1940449487
SNP_P1_186831_53255	NW_004515885.1	Scaffold401	53255	GG	AA	1940449488
SNP_P1_186832_53298	NW_004515885.1	Scaffold401	53298	TT	GG	1940449489
SNP_P1_186833_53368	NW_004515885.1	Scaffold401	53368	CC	TT	1940449490
SNP_P1_186834_55640	NW_004515885.1	Scaffold401	55640	TT	CC	1940449491
SNP_P1_186835_58638	NW_004515885.1	Scaffold401	58638	TT	GG	1940449492
SNP_P1_186836_72365	NW_004515885.1	Scaffold401	72365	AA	CC	1940449493
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186840_88170	NW_004515885.1	Scaffold401	88170	AA	GG	1940449496
SNP_P1_186841_88199	NW_004515885.1	Scaffold401	88199	GG	AA	1940449497
SNP_P1_186842_88222	NW_004515885.1	Scaffold401	88222	TT	GG	1940449498
SNP_P1_186844_100442	NW_004515885.1	Scaffold401	100442	CC	TT	1940449499
SNP_P1_186845_100495	NW_004515885.1	Scaffold401	100495	AA	GG	1940449500
SNP_P1_186846_102072	NW_004515885.1	Scaffold401	102072	GG	CC	1940449501
SNP_P1_186847_102112	NW_004515885.1	Scaffold401	102112	CC	AA	1940449502
SNP_P1_186848_102164	NW_004515885.1	Scaffold401	102164	TT	CC	1940449503
SNP_P1_186849_102417	NW_004515885.1	Scaffold401	102417	TT	GG	1940449504
SNP_P1_186850_102424	NW_004515885.1	Scaffold401	102424	TT	CC	1940449505
SNP_P1_186851_102483	NW_004515885.1	Scaffold401	102483	CC	TT	1940449506
SNP_P1_186852_134096	NW_004515885.1	Scaffold401	134096	GG	AA	1940449507
SNP_P1_186854_154277	NW_004515885.1	Scaffold401	154277	GG	AA	1940449508
SNP_P1_186855_154342	NW_004515885.1	Scaffold401	154342	GG	AA	1940449509
SNP_P1_186856_154608	NW_004515885.1	Scaffold401	154608	TT	CC	1940449510
SNP_P1_186857_154615	NW_004515885.1	Scaffold401	154615	AA	TT	1940449511
SNP_P1_186858_154626	NW_004515885.1	Scaffold401	154626	GG	AA	1940449512
SNP_P1_186859_156312	NW_004515885.1	Scaffold401	156312	TT	CC	1940449514
SNP_P1_186860_156435	NW_004515885.1	Scaffold401	156435	AA	TT	1940449515
SNP_P1_186862_166548	NW_004515885.1	Scaffold401	166548	GG	TT	1940449516
SNP_P1_186863_166624	NW_004515885.1	Scaffold401	166624	TT	CC	1940449517
SNP_P1_186864_166656	NW_004515885.1	Scaffold401	166656	TT	CC	1940449518
SNP_P1_186865_166668	NW_004515885.1	Scaffold401	166668	AA	GG	1940449519
SNP_P1_186866_166914	NW_004515885.1	Scaffold401	166914	TT	GG	1940449520
SNP_P1_186867_166924	NW_004515885.1	Scaffold401	166924	TT	AA	1940449521
SNP_P1_186868_166941	NW_004515885.1	Scaffold401	166941	AA	GG	1940449522
SNP_P1_186869_167002	NW_004515885.1	Scaffold401	167002	TT	CC	1940449523
SNP_P1_186870_167073	NW_004515885.1	Scaffold401	167073	AA	GG	1940449524
SNP_P1_186871_167086	NW_004515885.1	Scaffold401	167086	TT	GG	1940449525
SNP_P1_186872_172207	NW_004515885.1	Scaffold401	172207	TT	GG	1940449526
SNP_P1_186873_172209	NW_004515885.1	Scaffold401	172209	CC	AA	1940449527
SNP_P1_186874_172214	NW_004515885.1	Scaffold401	172214	AA	TT	1940449528
SNP_P1_186875_172224	NW_004515885.1	Scaffold401	172224	CC	TT	1940449529
SNP_P1_186876_172225	NW_004515885.1	Scaffold401	172225	AA	GG	1940449530
SNP_P1_186877_178021	NW_004515885.1	Scaffold401	178021	AA	GG	1940449531
SNP_P1_186878_183051	NW_004515885.1	Scaffold401	183051	GG	AA	1940449532
SNP_P1_186879_197472	NW_004515885.1	Scaffold401	197472	GG	AA	1940449533
SNP_P1_186880_197816	NW_004515885.1	Scaffold401	197816	GG	AA	1940449534
SNP_P1_186881_211115	NW_004515885.1	Scaffold401	211115	CC	TT	1940449535
SNP_P1_186882_2667	NW_004515886.1	Scaffold404	2667	AA	GG	1940449536
SNP_P1_186883_2753	NW_004515886.1	Scaffold404	2753	AA	CC	1940449537

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186885_2925	NW_004515886.1	Scaffold404	2925	TT	CC	1940449539
SNP_P1_186886_5356	NW_004515886.1	Scaffold404	5356	AA	CC	1940449540
SNP_P1_186887_5376	NW_004515886.1	Scaffold404	5376	TT	CC	1940449541
SNP_P1_186888_5941	NW_004515886.1	Scaffold404	5941	TT	GG	1940449542
SNP_P1_186889_6154	NW_004515886.1	Scaffold404	6154	CC	GG	1940449543
SNP_P1_186890_6252	NW_004515886.1	Scaffold404	6252	GG	TT	1940449544
SNP_P1_186891_6287	NW_004515886.1	Scaffold404	6287	AA	TT	1940449545
SNP_P1_186892_6305	NW_004515886.1	Scaffold404	6305	CC	TT	1940449546
SNP_P1_186893_6391	NW_004515886.1	Scaffold404	6391	AA	TT	1940449547
SNP_P1_186894_6404	NW_004515886.1	Scaffold404	6404	AA	CC	1940449548
SNP_P1_186895_6493	NW_004515886.1	Scaffold404	6493	GG	CC	1940449549
SNP_P1_186897_7130	NW_004515886.1	Scaffold404	7130	TT	CC	1940449550
SNP_P1_186898_7367	NW_004515886.1	Scaffold404	7367	GG	CC	1940449551
SNP_P1_186899_7437	NW_004515886.1	Scaffold404	7437	AA	GG	1940449552
SNP_P1_186900_13110	NW_004515886.1	Scaffold404	13110	AA	GG	1940449553
SNP_P1_186902_15235	NW_004515886.1	Scaffold404	15235	TT	GG	1940449554
SNP_P1_186903_15281	NW_004515886.1	Scaffold404	15281	TT	AA	1940449555
SNP_P1_186904_23970	NW_004515886.1	Scaffold404	23970	GG	AA	1940449556
SNP_P1_186905_24183	NW_004515886.1	Scaffold404	24183	AA	CC	1940449557
SNP_P1_186906_24198	NW_004515886.1	Scaffold404	24198	AA	CC	1940449558
SNP_P1_186907_24339	NW_004515886.1	Scaffold404	24339	CC	TT	1940449559
SNP_P1_186908_24345	NW_004515886.1	Scaffold404	24345	AA	CC	1940449560
SNP_P1_186909_24377	NW_004515886.1	Scaffold404	24377	GG	AA	1940449561
SNP_P1_186910_24389	NW_004515886.1	Scaffold404	24389	TT	CC	1940449562
SNP_P1_186911_24797	NW_004515886.1	Scaffold404	24797	AA	TT	1940449563
SNP_P1_186912_24818	NW_004515886.1	Scaffold404	24818	CC	TT	1940449564
SNP_P1_186913_24863	NW_004515886.1	Scaffold404	24863	TT	CC	1940449565
SNP_P1_186914_25409	NW_004515886.1	Scaffold404	25409	AA	GG	1940449566
SNP_P1_186915_25500	NW_004515886.1	Scaffold404	25500	CC	GG	1940449567
SNP_P1_186916_25508	NW_004515886.1	Scaffold404	25508	GG	AA	1940449568
SNP_P1_186917_25612	NW_004515886.1	Scaffold404	25612	CC	TT	1940449569
SNP_P1_186918_25709	NW_004515886.1	Scaffold404	25709	AA	GG	1940449570
SNP_P1_186919_25717	NW_004515886.1	Scaffold404	25717	TT	CC	1940449571
SNP_P1_186920_25800	NW_004515886.1	Scaffold404	25800	AA	CC	1940449572
SNP_P1_186921_25840	NW_004515886.1	Scaffold404	25840	TT	AA	1940449573
SNP_P1_186922_25867	NW_004515886.1	Scaffold404	25867	AA	GG	1940449574
SNP_P1_186923_25933	NW_004515886.1	Scaffold404	25933	AA	TT	1940449575
SNP_P1_186924_25943	NW_004515886.1	Scaffold404	25943	AA	GG	1940449576
SNP_P1_186925_25960	NW_004515886.1	Scaffold404	25960	GG	AA	1940449577
SNP_P1_186926_25978	NW_004515886.1	Scaffold404	25978	TT	CC	1940449578
SNP_P1_186927_26044	NW_004515886.1	Scaffold404	26044	AA	CC	1940449579

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186929_26172	NW_004515886.1	Scaffold404	26172	TT	AA	1940449581
SNP_P1_186930_26209	NW_004515886.1	Scaffold404	26209	TT	CC	1940449582
SNP_P1_186931_33655	NW_004515886.1	Scaffold404	33655	TT	CC	1940449583
SNP_P1_186932_33656	NW_004515886.1	Scaffold404	33656	CC	TT	1940449584
SNP_P1_186933_33664	NW_004515886.1	Scaffold404	33664	GG	TT	1940449585
SNP_P1_186934_37049	NW_004515886.1	Scaffold404	37049	TT	CC	1940449586
SNP_P1_186935_37925	NW_004515886.1	Scaffold404	37925	TT	CC	1940449587
SNP_P1_186936_37929	NW_004515886.1	Scaffold404	37929	AA	TT	1940449588
SNP_P1_186937_37974	NW_004515886.1	Scaffold404	37974	CC	TT	1940449589
SNP_P1_186938_37976	NW_004515886.1	Scaffold404	37976	AA	TT	1940449590
SNP_P1_186939_37980	NW_004515886.1	Scaffold404	37980	TT	AA	1940449591
SNP_P1_186940_37983	NW_004515886.1	Scaffold404	37983	AA	TT	1940449592
SNP_P1_186941_37988	NW_004515886.1	Scaffold404	37988	GG	TT	1940449593
SNP_P1_186942_38222	NW_004515886.1	Scaffold404	38222	AA	GG	1940449594
SNP_P1_186943_38229	NW_004515886.1	Scaffold404	38229	CC	TT	1940449595
SNP_P1_186944_40634	NW_004515886.1	Scaffold404	40634	GG	AA	1940449596
SNP_P1_186945_43788	NW_004515886.1	Scaffold404	43788	CC	TT	1940449597
SNP_P1_186946_43792	NW_004515886.1	Scaffold404	43792	GG	AA	1940449598
SNP_P1_186947_43802	NW_004515886.1	Scaffold404	43802	TT	AA	1940449599
SNP_P1_186948_43806	NW_004515886.1	Scaffold404	43806	CC	TT	1940449600
SNP_P1_186949_43807	NW_004515886.1	Scaffold404	43807	AA	CC	1940449601
SNP_P1_186950_43818	NW_004515886.1	Scaffold404	43818	CC	TT	1940449602
SNP_P1_186951_44294	NW_004515886.1	Scaffold404	44294	TT	CC	1940449603
SNP_P1_186952_44791	NW_004515886.1	Scaffold404	44791	CC	TT	1940449604
SNP_P1_186953_44825	NW_004515886.1	Scaffold404	44825	AA	TT	1940449605
SNP_P1_186954_44838	NW_004515886.1	Scaffold404	44838	GG	TT	1940449606
SNP_P1_186955_44839	NW_004515886.1	Scaffold404	44839	TT	GG	1940449607
SNP_P1_186956_44840	NW_004515886.1	Scaffold404	44840	GG	TT	1940449608
SNP_P1_186957_44854	NW_004515886.1	Scaffold404	44854	AA	TT	1940449609
SNP_P1_186958_44937	NW_004515886.1	Scaffold404	44937	GG	TT	1940449610
SNP_P1_186959_45189	NW_004515886.1	Scaffold404	45189	TT	CC	1940449611
SNP_P1_186960_45380	NW_004515886.1	Scaffold404	45380	GG	TT	1940449612
SNP_P1_186961_45390	NW_004515886.1	Scaffold404	45390	AA	GG	1940449613
SNP_P1_186962_46742	NW_004515886.1	Scaffold404	46742	GG	AA	1940449614
SNP_P1_186963_49936	NW_004515886.1	Scaffold404	49936	GG	AA	1940449615
SNP_P1_186964_49990	NW_004515886.1	Scaffold404	49990	AA	TT	1940449616
SNP_P1_186965_50057	NW_004515886.1	Scaffold404	50057	TT	AA	1940449617
SNP_P1_186967_61652	NW_004515886.1	Scaffold404	61652	CC	GG	1940449618
SNP_P1_186968_61700	NW_004515886.1	Scaffold404	61700	AA	TT	1940449619
SNP_P1_186969_61726	NW_004515886.1	Scaffold404	61726	AA	CC	1940449620
SNP_P1_186970_61904	NW_004515886.1	Scaffold404	61904	TT	CC	1940449621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_186972_62229	NW_004515886.1	Scaffold404	62229	TT	CC	1940449623
SNP_P1_186973_62257	NW_004515886.1	Scaffold404	62257	CC	TT	1940449624
SNP_P1_186974_62267	NW_004515886.1	Scaffold404	62267	CC	TT	1940449625
SNP_P1_186975_62276	NW_004515886.1	Scaffold404	62276	GG	AA	1940449626
SNP_P1_186976_63600	NW_004515886.1	Scaffold404	63600	CC	TT	1940449627
SNP_P1_186977_63650	NW_004515886.1	Scaffold404	63650	AA	CC	1940449628
SNP_P1_186978_63960	NW_004515886.1	Scaffold404	63960	AA	GG	1940449629
SNP_P1_186979_64017	NW_004515886.1	Scaffold404	64017	TT	AA	1940449630
SNP_P1_186980_64209	NW_004515886.1	Scaffold404	64209	AA	TT	1940449631
SNP_P1_186981_64260	NW_004515886.1	Scaffold404	64260	AA	CC	1940449632
SNP_P1_186982_64326	NW_004515886.1	Scaffold404	64326	AA	TT	1940449633
SNP_P1_186983_64640	NW_004515886.1	Scaffold404	64640	AA	TT	1940449634
SNP_P1_186984_64645	NW_004515886.1	Scaffold404	64645	AA	GG	1940449635
SNP_P1_186985_64674	NW_004515886.1	Scaffold404	64674	TT	CC	1940449636
SNP_P1_186986_64707	NW_004515886.1	Scaffold404	64707	TT	AA	1940449637
SNP_P1_186987_80083	NW_004515886.1	Scaffold404	80083	GG	CC	1940449638
SNP_P1_186988_80131	NW_004515886.1	Scaffold404	80131	GG	AA	1940449639
SNP_P1_186989_80142	NW_004515886.1	Scaffold404	80142	GG	AA	1940449640
SNP_P1_186990_80623	NW_004515886.1	Scaffold404	80623	AA	TT	1940449641
SNP_P1_186991_80624	NW_004515886.1	Scaffold404	80624	TT	AA	1940449642
SNP_P1_186992_82120	NW_004515886.1	Scaffold404	82120	TT	AA	1940449643
SNP_P1_186993_85047	NW_004515886.1	Scaffold404	85047	CC	GG	1940449644
SNP_P1_186994_85048	NW_004515886.1	Scaffold404	85048	CC	TT	1940449645
SNP_P1_186995_96846	NW_004515886.1	Scaffold404	96846	TT	GG	1940449646
SNP_P1_186996_97204	NW_004515886.1	Scaffold404	97204	AA	TT	1940449647
SNP_P1_186997_97209	NW_004515886.1	Scaffold404	97209	CC	TT	1940449648
SNP_P1_186998_108919	NW_004515886.1	Scaffold404	108919	TT	AA	1940449649
SNP_P1_186999_108941	NW_004515886.1	Scaffold404	108941	GG	CC	1940449650
SNP_P1_187000_108980	NW_004515886.1	Scaffold404	108980	TT	GG	1940449651
SNP_P1_187001_109063	NW_004515886.1	Scaffold404	109063	TT	CC	1940449652
SNP_P1_187002_109067	NW_004515886.1	Scaffold404	109067	GG	TT	1940449653
SNP_P1_187003_112816	NW_004515886.1	Scaffold404	112816	AA	TT	1940449654
SNP_P1_187004_128448	NW_004515886.1	Scaffold404	128448	TT	AA	1940449655
SNP_P1_187005_134120	NW_004515886.1	Scaffold404	134120	GG	AA	1940449656
SNP_P1_187006_134123	NW_004515886.1	Scaffold404	134123	GG	TT	1940449657
SNP_P1_187007_137210	NW_004515886.1	Scaffold404	137210	TT	GG	1940449658
SNP_P1_187008_143549	NW_004515886.1	Scaffold404	143549	TT	GG	1940449659
SNP_P1_187009_143559	NW_004515886.1	Scaffold404	143559	CC	TT	1940449660
SNP_P1_187010_143682	NW_004515886.1	Scaffold404	143682	CC	AA	1940449661
SNP_P1_187011_143715	NW_004515886.1	Scaffold404	143715	GG	AA	1940449662
SNP_P1_187012_156460	NW_004515886.1	Scaffold404	156460	TT	AA	1940449663

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187014_161379	NW_004515886.1	Scaffold404	161379	AA	GG	1940449666
SNP_P1_187015_161408	NW_004515886.1	Scaffold404	161408	CC	TT	1940449667
SNP_P1_187017_161853	NW_004515886.1	Scaffold404	161853	CC	AA	1940449668
SNP_P1_187018_161868	NW_004515886.1	Scaffold404	161868	AA	GG	1940449669
SNP_P1_187019_161943	NW_004515886.1	Scaffold404	161943	GG	AA	1940449670
SNP_P1_187021_164135	NW_004515886.1	Scaffold404	164135	TT	CC	1940449671
SNP_P1_187022_164166	NW_004515886.1	Scaffold404	164166	AA	TT	1940449672
SNP_P1_187023_171188	NW_004515886.1	Scaffold404	171188	AA	GG	1940449673
SNP_P1_187024_180167	NW_004515886.1	Scaffold404	180167	GG	TT	1940449674
SNP_P1_187025_180191	NW_004515886.1	Scaffold404	180191	TT	CC	1940449675
SNP_P1_187026_180203	NW_004515886.1	Scaffold404	180203	GG	AA	1940449676
SNP_P1_187028_180259	NW_004515886.1	Scaffold404	180259	GG	TT	1940449677
SNP_P1_187029_180599	NW_004515886.1	Scaffold404	180599	GG	TT	1940449678
SNP_P1_187030_181169	NW_004515886.1	Scaffold404	181169	TT	CC	1940449679
SNP_P1_187031_181560	NW_004515886.1	Scaffold404	181560	CC	TT	1940449680
SNP_P1_187032_183911	NW_004515886.1	Scaffold404	183911	GG	CC	1940449681
SNP_P1_187033_183959	NW_004515886.1	Scaffold404	183959	CC	TT	1940449682
SNP_P1_187034_184064	NW_004515886.1	Scaffold404	184064	GG	CC	1940449683
SNP_P1_187035_184116	NW_004515886.1	Scaffold404	184116	TT	CC	1940449684
SNP_P1_187036_184126	NW_004515886.1	Scaffold404	184126	AA	GG	1940449685
SNP_P1_187037_184134	NW_004515886.1	Scaffold404	184134	TT	CC	1940449686
SNP_P1_187038_184196	NW_004515886.1	Scaffold404	184196	AA	GG	1940449687
SNP_P1_187039_184308	NW_004515886.1	Scaffold404	184308	TT	GG	1940449688
SNP_P1_187040_184368	NW_004515886.1	Scaffold404	184368	TT	CC	1940449689
SNP_P1_187041_184373	NW_004515886.1	Scaffold404	184373	CC	TT	1940449690
SNP_P1_187042_184379	NW_004515886.1	Scaffold404	184379	GG	AA	1940449691
SNP_P1_187043_184393	NW_004515886.1	Scaffold404	184393	TT	AA	1940449692
SNP_P1_187044_184394	NW_004515886.1	Scaffold404	184394	CC	AA	1940449693
SNP_P1_187045_184423	NW_004515886.1	Scaffold404	184423	TT	CC	1940449694
SNP_P1_187046_185472	NW_004515886.1	Scaffold404	185472	AA	GG	1940449695
SNP_P1_187047_185507	NW_004515886.1	Scaffold404	185507	TT	CC	1940449696
SNP_P1_187048_185672	NW_004515886.1	Scaffold404	185672	AA	GG	1940449697
SNP_P1_187049_185699	NW_004515886.1	Scaffold404	185699	AA	GG	1940449698
SNP_P1_187050_185706	NW_004515886.1	Scaffold404	185706	GG	CC	1940449699
SNP_P1_187051_185765	NW_004515886.1	Scaffold404	185765	AA	GG	1940449700
SNP_P1_187052_185766	NW_004515886.1	Scaffold404	185766	TT	CC	1940449701
SNP_P1_187053_185783	NW_004515886.1	Scaffold404	185783	GG	TT	1940449702
SNP_P1_187054_185794	NW_004515886.1	Scaffold404	185794	CC	TT	1940449703
SNP_P1_187055_185976	NW_004515886.1	Scaffold404	185976	CC	AA	1940449704
SNP_P1_187056_186000	NW_004515886.1	Scaffold404	186000	GG	TT	1940449705
SNP_P1_187057_186001	NW_004515886.1	Scaffold404	186001	TT	GG	1940449706

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187059_186059	NW_004515886.1	Scaffold404	186059	TT	CC	1940449708
SNP_P1_187061_236820	NW_004515886.1	Scaffold404	236820	CC	TT	1940449709
SNP_P1_187064_247425	NW_004515886.1	Scaffold404	247425	TT	GG	1940449710
SNP_P1_187065_247426	NW_004515886.1	Scaffold404	247426	TT	GG	1940449711
SNP_P1_187066_263716	NW_004515886.1	Scaffold404	263716	TT	CC	1940449712
SNP_P1_187067_264057	NW_004515886.1	Scaffold404	264057	CC	GG	1940449713
SNP_P1_187068_264072	NW_004515886.1	Scaffold404	264072	TT	CC	1940449714
SNP_P1_187070_269325	NW_004515886.1	Scaffold404	269325	AA	TT	1940449715
SNP_P1_187071_276870	NW_004515886.1	Scaffold404	276870	GG	AA	1940449716
SNP_P1_187072_287738	NW_004515886.1	Scaffold404	287738	GG	AA	1940449717
SNP_P1_187074_304587	NW_004515886.1	Scaffold404	304587	CC	TT	1940449718
SNP_P1_187075_304611	NW_004515886.1	Scaffold404	304611	CC	TT	1940449719
SNP_P1_187076_356662	NW_004515886.1	Scaffold404	356662	GG	AA	1940449720
SNP_P1_187077_356780	NW_004515886.1	Scaffold404	356780	CC	TT	1940449721
SNP_P1_187078_357184	NW_004515886.1	Scaffold404	357184	CC	TT	1940449722
SNP_P1_187079_372445	NW_004515886.1	Scaffold404	372445	GG	TT	1940449723
SNP_P1_187080_383407	NW_004515886.1	Scaffold404	383407	TT	CC	1940449724
SNP_P1_187081_383458	NW_004515886.1	Scaffold404	383458	AA	GG	1940449725
SNP_P1_187082_383883	NW_004515886.1	Scaffold404	383883	AA	GG	1940449726
SNP_P1_187083_383917	NW_004515886.1	Scaffold404	383917	GG	TT	1940449727
SNP_P1_187084_386735	NW_004515886.1	Scaffold404	386735	GG	AA	1940449728
SNP_P1_187086_64	NW_004515887.1	Scaffold408	64	GG	CC	1940449729
SNP_P1_187087_988	NW_004515887.1	Scaffold408	988	AA	TT	1940449730
SNP_P1_187088_1001	NW_004515887.1	Scaffold408	1001	TT	CC	1940449731
SNP_P1_187089_1003	NW_004515887.1	Scaffold408	1003	CC	AA	1940449732
SNP_P1_187090_1195	NW_004515887.1	Scaffold408	1195	TT	AA	1940449733
SNP_P1_187091_1196	NW_004515887.1	Scaffold408	1196	GG	TT	1940449734
SNP_P1_187092_1446	NW_004515887.1	Scaffold408	1446	TT	CC	1940449735
SNP_P1_187093_1760	NW_004515887.1	Scaffold408	1760	CC	TT	1940449736
SNP_P1_187094_2527	NW_004515887.1	Scaffold408	2527	GG	AA	1940449737
SNP_P1_187095_2573	NW_004515887.1	Scaffold408	2573	AA	CC	1940449738
SNP_P1_187096_2803	NW_004515887.1	Scaffold408	2803	GG	TT	1940449739
SNP_P1_187097_3043	NW_004515887.1	Scaffold408	3043	GG	AA	1940449740
SNP_P1_187098_3084	NW_004515887.1	Scaffold408	3084	AA	GG	1940449741
SNP_P1_187099_3231	NW_004515887.1	Scaffold408	3231	CC	AA	1940449742
SNP_P1_187102_3542	NW_004515887.1	Scaffold408	3542	TT	CC	1940449743
SNP_P1_187104_3687	NW_004515887.1	Scaffold408	3687	CC	TT	1940449744
SNP_P1_187105_3698	NW_004515887.1	Scaffold408	3698	AA	TT	1940449745
SNP_P1_187106_3724	NW_004515887.1	Scaffold408	3724	TT	CC	1940449746
SNP_P1_187107_4027	NW_004515887.1	Scaffold408	4027	GG	AA	1940449747
SNP_P1_187108_12211	NW_004515887.1	Scaffold408	12211	CC	GG	1940449748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187110_12448	NW_004515887.1	Scaffold408	12448	TT	AA	1940449750
SNP_P1_187111_12475	NW_004515887.1	Scaffold408	12475	GG	AA	1940449751
SNP_P1_187112_12613	NW_004515887.1	Scaffold408	12613	TT	AA	1940449752
SNP_P1_187113_16426	NW_004515887.1	Scaffold408	16426	TT	GG	1940449753
SNP_P1_187114_16796	NW_004515887.1	Scaffold408	16796	TT	CC	1940449754
SNP_P1_187115_20453	NW_004515887.1	Scaffold408	20453	TT	CC	1940449755
SNP_P1_187116_20483	NW_004515887.1	Scaffold408	20483	GG	CC	1940449756
SNP_P1_187117_20490	NW_004515887.1	Scaffold408	20490	CC	TT	1940449757
SNP_P1_187118_20533	NW_004515887.1	Scaffold408	20533	AA	TT	1940449758
SNP_P1_187119_20548	NW_004515887.1	Scaffold408	20548	AA	GG	1940449759
SNP_P1_187120_20582	NW_004515887.1	Scaffold408	20582	TT	GG	1940449760
SNP_P1_187121_20590	NW_004515887.1	Scaffold408	20590	AA	TT	1940449761
SNP_P1_187122_20597	NW_004515887.1	Scaffold408	20597	TT	AA	1940449762
SNP_P1_187123_20787	NW_004515887.1	Scaffold408	20787	CC	TT	1940449763
SNP_P1_187124_20880	NW_004515887.1	Scaffold408	20880	CC	TT	1940449764
SNP_P1_187125_20940	NW_004515887.1	Scaffold408	20940	AA	GG	1940449765
SNP_P1_187126_21116	NW_004515887.1	Scaffold408	21116	TT	AA	1940449766
SNP_P1_187127_21200	NW_004515887.1	Scaffold408	21200	AA	GG	1940449767
SNP_P1_187128_21203	NW_004515887.1	Scaffold408	21203	AA	TT	1940449768
SNP_P1_187129_21239	NW_004515887.1	Scaffold408	21239	TT	CC	1940449769
SNP_P1_187130_21302	NW_004515887.1	Scaffold408	21302	TT	AA	1940449770
SNP_P1_187131_21323	NW_004515887.1	Scaffold408	21323	AA	GG	1940449771
SNP_P1_187132_28904	NW_004515887.1	Scaffold408	28904	AA	CC	1940449772
SNP_P1_187133_31339	NW_004515887.1	Scaffold408	31339	GG	AA	1940449773
SNP_P1_187135_51031	NW_004515887.1	Scaffold408	51031	AA	GG	1940449774
SNP_P1_187136_51648	NW_004515887.1	Scaffold408	51648	TT	GG	1940449775
SNP_P1_187138_63436	NW_004515887.1	Scaffold408	63436	AA	TT	1940449776
SNP_P1_187139_83412	NW_004515887.1	Scaffold408	83412	AA	GG	1940449777
SNP_P1_187140_84403	NW_004515887.1	Scaffold408	84403	TT	GG	1940449778
SNP_P1_187141_84413	NW_004515887.1	Scaffold408	84413	AA	CC	1940449779
SNP_P1_187142_84481	NW_004515887.1	Scaffold408	84481	AA	GG	1940449780
SNP_P1_187143_84702	NW_004515887.1	Scaffold408	84702	AA	CC	1940449781
SNP_P1_187144_84715	NW_004515887.1	Scaffold408	84715	TT	CC	1940449782
SNP_P1_187145_84864	NW_004515887.1	Scaffold408	84864	TT	GG	1940449783
SNP_P1_187146_84893	NW_004515887.1	Scaffold408	84893	AA	GG	1940449784
SNP_P1_187147_92543	NW_004515887.1	Scaffold408	92543	TT	CC	1940449785
SNP_P1_187149_111577	NW_004515887.1	Scaffold408	111577	GG	TT	1940449786
SNP_P1_187151_130476	NW_004515887.1	Scaffold408	130476	TT	CC	1940449787
SNP_P1_187153_130914	NW_004515887.1	Scaffold408	130914	AA	GG	1940449788
SNP_P1_187154_130929	NW_004515887.1	Scaffold408	130929	TT	AA	1940449789
SNP_P1_187157_131049	NW_004515887.1	Scaffold408	131049	GG	AA	1940449790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187159_131127	NW_004515887.1	Scaffold408	131127	AA	TT	1940449792
SNP_P1_187160_131161	NW_004515887.1	Scaffold408	131161	AA	TT	1940449793
SNP_P1_187161_131180	NW_004515887.1	Scaffold408	131180	AA	GG	1940449794
SNP_P1_187162_131272	NW_004515887.1	Scaffold408	131272	TT	AA	1940449795
SNP_P1_187163_131308	NW_004515887.1	Scaffold408	131308	AA	TT	1940449796
SNP_P1_187165_2483	NW_004515888.1	Scaffold409	2483	AA	GG	1940449797
SNP_P1_187166_2604	NW_004515888.1	Scaffold409	2604	CC	TT	1940449798
SNP_P1_187167_2630	NW_004515888.1	Scaffold409	2630	TT	CC	1940449799
SNP_P1_187168_2631	NW_004515888.1	Scaffold409	2631	CC	AA	1940449800
SNP_P1_187169_2673	NW_004515888.1	Scaffold409	2673	GG	AA	1940449801
SNP_P1_187170_2958	NW_004515888.1	Scaffold409	2958	AA	GG	1940449802
SNP_P1_187171_28167	NW_004515888.1	Scaffold409	28167	TT	CC	1940449803
SNP_P1_187172_34728	NW_004515888.1	Scaffold409	34728	TT	AA	1940449804
SNP_P1_187173_34730	NW_004515888.1	Scaffold409	34730	TT	GG	1940449805
SNP_P1_187174_34743	NW_004515888.1	Scaffold409	34743	TT	AA	1940449806
SNP_P1_187175_34751	NW_004515888.1	Scaffold409	34751	TT	CC	1940449807
SNP_P1_187176_36598	NW_004515888.1	Scaffold409	36598	CC	TT	1940449808
SNP_P1_187177_36607	NW_004515888.1	Scaffold409	36607	AA	GG	1940449810
SNP_P1_187178_36633	NW_004515888.1	Scaffold409	36633	TT	CC	1940449811
SNP_P1_187179_36644	NW_004515888.1	Scaffold409	36644	GG	AA	1940449812
SNP_P1_187180_36840	NW_004515888.1	Scaffold409	36840	CC	AA	1940449813
SNP_P1_187181_36882	NW_004515888.1	Scaffold409	36882	TT	AA	1940449814
SNP_P1_187182_36991	NW_004515888.1	Scaffold409	36991	AA	CC	1940449815
SNP_P1_187183_37421	NW_004515888.1	Scaffold409	37421	AA	TT	1940449816
SNP_P1_187184_522	NW_004515889.1	Scaffold411	522	AA	CC	1940449817
SNP_P1_187185_761	NW_004515889.1	Scaffold411	761	GG	TT	1940449818
SNP_P1_187186_770	NW_004515889.1	Scaffold411	770	AA	GG	1940449819
SNP_P1_187187_780	NW_004515889.1	Scaffold411	780	CC	TT	1940449820
SNP_P1_187188_792	NW_004515889.1	Scaffold411	792	TT	CC	1940449821
SNP_P1_187189_17369	NW_004515889.1	Scaffold411	17369	AA	GG	1940449822
SNP_P1_187190_35981	NW_004515889.1	Scaffold411	35981	CC	TT	1940449823
SNP_P1_187191_41671	NW_004515889.1	Scaffold411	41671	CC	TT	1940449824
SNP_P1_187192_41678	NW_004515889.1	Scaffold411	41678	CC	TT	1940449825
SNP_P1_187193_41679	NW_004515889.1	Scaffold411	41679	GG	AA	1940449826
SNP_P1_187194_41686	NW_004515889.1	Scaffold411	41686	TT	CC	1940449827
SNP_P1_187195_41687	NW_004515889.1	Scaffold411	41687	AA	GG	1940449828
SNP_P1_187196_41694	NW_004515889.1	Scaffold411	41694	AA	GG	1940449829
SNP_P1_187197_41703	NW_004515889.1	Scaffold411	41703	GG	AA	1940449830
SNP_P1_187198_41717	NW_004515889.1	Scaffold411	41717	TT	CC	1940449831
SNP_P1_187199_41738	NW_004515889.1	Scaffold411	41738	AA	GG	1940449832
SNP_P1_187200_41833	NW_004515889.1	Scaffold411	41833	GG	AA	1940449833

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SNP_P1_187202_42664	NW_004515889.1	Scaffold411	42664	GG	AA	1940449835
SNP_P1_187203_42714	NW_004515889.1	Scaffold411	42714	TT	CC	1940449836
SNP_P1_187204_42729	NW_004515889.1	Scaffold411	42729	AA	GG	1940449837
SNP_P1_187206_42790	NW_004515889.1	Scaffold411	42790	TT	AA	1940449838
SNP_P1_187207_42794	NW_004515889.1	Scaffold411	42794	CC	TT	1940449839
SNP_P1_187208_42864	NW_004515889.1	Scaffold411	42864	TT	AA	1940449840
SNP_P1_187210_43051	NW_004515889.1	Scaffold411	43051	AA	GG	1940449841
SNP_P1_187211_43191	NW_004515889.1	Scaffold411	43191	TT	GG	1940449842
SNP_P1_187212_60156	NW_004515889.1	Scaffold411	60156	TT	CC	1940449843
SNP_P1_187213_60157	NW_004515889.1	Scaffold411	60157	GG	AA	1940449844
SNP_P1_187214_65702	NW_004515889.1	Scaffold411	65702	AA	TT	1940449845
SNP_P1_187215_73804	NW_004515889.1	Scaffold411	73804	CC	TT	1940449846
SNP_P1_187216_74036	NW_004515889.1	Scaffold411	74036	AA	TT	1940449847
SNP_P1_187217_74044	NW_004515889.1	Scaffold411	74044	GG	AA	1940449848
SNP_P1_187218_74091	NW_004515889.1	Scaffold411	74091	GG	AA	1940449849
SNP_P1_187219_74198	NW_004515889.1	Scaffold411	74198	GG	AA	1940449850
SNP_P1_187221_74439	NW_004515889.1	Scaffold411	74439	TT	CC	1940449851
SNP_P1_187222_74442	NW_004515889.1	Scaffold411	74442	TT	AA	1940449852
SNP_P1_187223_74664	NW_004515889.1	Scaffold411	74664	TT	AA	1940449853
SNP_P1_187224_74668	NW_004515889.1	Scaffold411	74668	GG	AA	1940449854
SNP_P1_187225_75774	NW_004515889.1	Scaffold411	75774	TT	CC	1940449855
SNP_P1_187226_77170	NW_004515889.1	Scaffold411	77170	GG	CC	1940449856
SNP_P1_187227_81365	NW_004515889.1	Scaffold411	81365	AA	GG	1940449857
SNP_P1_187228_81749	NW_004515889.1	Scaffold411	81749	GG	AA	1940449858
SNP_P1_187229_98512	NW_004515889.1	Scaffold411	98512	AA	GG	1940449859
SNP_P1_187230_106323	NW_004515889.1	Scaffold411	106323	CC	GG	1940449860
SNP_P1_187231_120316	NW_004515889.1	Scaffold411	120316	AA	TT	1940449861
SNP_P1_187233_124098	NW_004515889.1	Scaffold411	124098	TT	AA	1940449862
SNP_P1_187234_124422	NW_004515889.1	Scaffold411	124422	CC	AA	1940449863
SNP_P1_187236_151050	NW_004515889.1	Scaffold411	151050	CC	TT	1940449864
SNP_P1_187237_151053	NW_004515889.1	Scaffold411	151053	GG	AA	1940449865
SNP_P1_187238_151814	NW_004515889.1	Scaffold411	151814	AA	GG	1940449866
SNP_P1_187239_156919	NW_004515889.1	Scaffold411	156919	TT	CC	1940449867
SNP_P1_187240_156922	NW_004515889.1	Scaffold411	156922	GG	AA	1940449868
SNP_P1_187241_162147	NW_004515889.1	Scaffold411	162147	AA	GG	1940449869
SNP_P1_187242_162162	NW_004515889.1	Scaffold411	162162	AA	CC	1940449870
SNP_P1_187243_166930	NW_004515889.1	Scaffold411	166930	GG	AA	1940449871
SNP_P1_187245_173277	NW_004515889.1	Scaffold411	173277	GG	AA	1940449872
SNP_P1_187246_175492	NW_004515889.1	Scaffold411	175492	GG	AA	1940449873
SNP_P1_187247_192929	NW_004515889.1	Scaffold411	192929	TT	CC	1940449874
SNP_P1_187249_196972	NW_004515889.1	Scaffold411	196972	AA	CC	1940449875

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187251_230434	NW_004515889.1	Scaffold411	230434	TT	AA	1940449877
SNP_P1_187252_230496	NW_004515889.1	Scaffold411	230496	TT	AA	1940449878
SNP_P1_187253_231481	NW_004515889.1	Scaffold411	231481	TT	CC	1940449879
SNP_P1_187254_231677	NW_004515889.1	Scaffold411	231677	AA	GG	1940449880
SNP_P1_187255_231680	NW_004515889.1	Scaffold411	231680	AA	GG	1940449881
SNP_P1_187256_231767	NW_004515889.1	Scaffold411	231767	TT	AA	1940449882
SNP_P1_187257_231897	NW_004515889.1	Scaffold411	231897	AA	GG	1940449883
SNP_P1_187258_231952	NW_004515889.1	Scaffold411	231952	TT	CC	1940449884
SNP_P1_187259_231972	NW_004515889.1	Scaffold411	231972	TT	CC	1940449885
SNP_P1_187261_252830	NW_004515889.1	Scaffold411	252830	AA	GG	1940449886
SNP_P1_187262_254440	NW_004515889.1	Scaffold411	254440	TT	GG	1940449887
SNP_P1_187263_254445	NW_004515889.1	Scaffold411	254445	CC	TT	1940449888
SNP_P1_187264_259232	NW_004515889.1	Scaffold411	259232	AA	GG	1940449889
SNP_P1_187265_259257	NW_004515889.1	Scaffold411	259257	GG	TT	1940449890
SNP_P1_187266_259308	NW_004515889.1	Scaffold411	259308	TT	CC	1940449891
SNP_P1_187267_298120	NW_004515889.1	Scaffold411	298120	GG	CC	1940449892
SNP_P1_187268_298443	NW_004515889.1	Scaffold411	298443	GG	AA	1940449893
SNP_P1_187270_298529	NW_004515889.1	Scaffold411	298529	TT	CC	1940449894
SNP_P1_187271_298615	NW_004515889.1	Scaffold411	298615	CC	GG	1940449895
SNP_P1_187272_308381	NW_004515889.1	Scaffold411	308381	AA	GG	1940449896
SNP_P1_187273_308988	NW_004515889.1	Scaffold411	308988	TT	CC	1940449897
SNP_P1_187274_323140	NW_004515889.1	Scaffold411	323140	TT	GG	1940449898
SNP_P1_187275_330057	NW_004515889.1	Scaffold411	330057	AA	TT	1940449899
SNP_P1_187276_333631	NW_004515889.1	Scaffold411	333631	CC	TT	1940449900
SNP_P1_187277_333635	NW_004515889.1	Scaffold411	333635	GG	AA	1940449901
SNP_P1_187278_334311	NW_004515889.1	Scaffold411	334311	TT	CC	1940449902
SNP_P1_187280_334524	NW_004515889.1	Scaffold411	334524	TT	CC	1940449903
SNP_P1_187281_335376	NW_004515889.1	Scaffold411	335376	TT	AA	1940449904
SNP_P1_187282_335858	NW_004515889.1	Scaffold411	335858	GG	AA	1940449905
SNP_P1_187283_336425	NW_004515889.1	Scaffold411	336425	CC	AA	1940449906
SNP_P1_187284_339798	NW_004515889.1	Scaffold411	339798	TT	CC	1940449907
SNP_P1_187286_339836	NW_004515889.1	Scaffold411	339836	AA	GG	1940449908
SNP_P1_187288_343453	NW_004515889.1	Scaffold411	343453	AA	GG	1940449909
SNP_P1_187290_344068	NW_004515889.1	Scaffold411	344068	GG	AA	1940449910
SNP_P1_187292_347539	NW_004515889.1	Scaffold411	347539	GG	TT	1940449911
SNP_P1_187293_347540	NW_004515889.1	Scaffold411	347540	TT	AA	1940449912
SNP_P1_187294_348519	NW_004515889.1	Scaffold411	348519	CC	AA	1940449913
SNP_P1_187295_348524	NW_004515889.1	Scaffold411	348524	AA	GG	1940449914
SNP_P1_187296_369161	NW_004515889.1	Scaffold411	369161	GG	AA	1940449915
SNP_P1_187297_369200	NW_004515889.1	Scaffold411	369200	GG	AA	1940449916
SNP_P1_187298_369239	NW_004515889.1	Scaffold411	369239	GG	AA	1940449917

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187300_375302	NW_004515889.1	Scaffold411	375302	AA	GG	1940449919
SNP_P1_187301_375324	NW_004515889.1	Scaffold411	375324	AA	GG	1940449920
SNP_P1_187302_377884	NW_004515889.1	Scaffold411	377884	TT	CC	1940449921
SNP_P1_187303_377942	NW_004515889.1	Scaffold411	377942	TT	CC	1940449922
SNP_P1_187304_393920	NW_004515889.1	Scaffold411	393920	AA	GG	1940449923
SNP_P1_187306_403103	NW_004515889.1	Scaffold411	403103	TT	CC	1940449924
SNP_P1_187307_403228	NW_004515889.1	Scaffold411	403228	TT	CC	1940449925
SNP_P1_187308_408521	NW_004515889.1	Scaffold411	408521	TT	AA	1940449926
SNP_P1_187309_408537	NW_004515889.1	Scaffold411	408537	TT	GG	1940449927
SNP_P1_187310_408558	NW_004515889.1	Scaffold411	408558	GG	TT	1940449928
SNP_P1_187312_422306	NW_004515889.1	Scaffold411	422306	CC	TT	1940449929
SNP_P1_187314_436057	NW_004515889.1	Scaffold411	436057	TT	CC	1940449930
SNP_P1_187315_436537	NW_004515889.1	Scaffold411	436537	CC	GG	1940449931
SNP_P1_187316_437417	NW_004515889.1	Scaffold411	437417	CC	TT	1940449932
SNP_P1_187317_4482	NW_004515890.1	Scaffold413	4482	TT	CC	1940449933
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SNP_P1_187319_4619	NW_004515890.1	Scaffold413	4619	CC	AA	1940449935
SNP_P1_187320_4645	NW_004515890.1	Scaffold413	4645	TT	CC	1940449936
SNP_P1_187321_4915	NW_004515890.1	Scaffold413	4915	GG	AA	1940449937
SNP_P1_187322_5888	NW_004515890.1	Scaffold413	5888	CC	GG	1940449938
SNP_P1_187323_6025	NW_004515890.1	Scaffold413	6025	CC	AA	1940449939
SNP_P1_187324_6122	NW_004515890.1	Scaffold413	6122	AA	CC	1940449940
SNP_P1_187325_6185	NW_004515890.1	Scaffold413	6185	TT	GG	1940449941
SNP_P1_187326_6335	NW_004515890.1	Scaffold413	6335	AA	GG	1940449942
SNP_P1_187327_6474	NW_004515890.1	Scaffold413	6474	GG	TT	1940449943
SNP_P1_187328_6509	NW_004515890.1	Scaffold413	6509	AA	GG	1940449944
SNP_P1_187329_6688	NW_004515890.1	Scaffold413	6688	CC	TT	1940449945
SNP_P1_187330_7185	NW_004515890.1	Scaffold413	7185	GG	CC	1940449946
SNP_P1_187331_7202	NW_004515890.1	Scaffold413	7202	AA	TT	1940449947
SNP_P1_187332_7228	NW_004515890.1	Scaffold413	7228	AA	GG	1940449948
SNP_P1_187333_7235	NW_004515890.1	Scaffold413	7235	AA	GG	1940449949
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SNP_P1_187335_7377	NW_004515890.1	Scaffold413	7377	TT	CC	1940449951
SNP_P1_187336_7454	NW_004515890.1	Scaffold413	7454	GG	AA	1940449952
SNP_P1_187337_7482	NW_004515890.1	Scaffold413	7482	TT	CC	1940449953
SNP_P1_187338_7721	NW_004515890.1	Scaffold413	7721	TT	CC	1940449954
SNP_P1_187339_7908	NW_004515890.1	Scaffold413	7908	AA	TT	1940449955
SNP_P1_187340_7982	NW_004515890.1	Scaffold413	7982	TT	AA	1940449957
SNP_P1_187341_8005	NW_004515890.1	Scaffold413	8005	CC	TT	1940449958
SNP_P1_187342_8086	NW_004515890.1	Scaffold413	8086	AA	GG	1940449959
SNP_P1_187343_13010	NW_004515890.1	Scaffold413	13010	GG	TT	1940449960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187346_4974	NW_004515891.1	Scaffold414	4974	AA	CC	1940449963
SNP_P1_187347_5291	NW_004515891.1	Scaffold414	5291	GG	AA	1940449964
SNP_P1_187348_5334	NW_004515891.1	Scaffold414	5334	AA	TT	1940449965
SNP_P1_187349_5363	NW_004515891.1	Scaffold414	5363	GG	TT	1940449966
SNP_P1_187350_5660	NW_004515891.1	Scaffold414	5660	AA	CC	1940449967
SNP_P1_187351_6783	NW_004515891.1	Scaffold414	6783	TT	AA	1940449968
SNP_P1_187352_6785	NW_004515891.1	Scaffold414	6785	AA	GG	1940449969
SNP_P1_187353_6787	NW_004515891.1	Scaffold414	6787	TT	AA	1940449970
SNP_P1_187354_6790	NW_004515891.1	Scaffold414	6790	TT	AA	1940449971
SNP_P1_187355_6792	NW_004515891.1	Scaffold414	6792	TT	AA	1940449972
SNP_P1_187356_6795	NW_004515891.1	Scaffold414	6795	TT	AA	1940449973
SNP_P1_187357_6797	NW_004515891.1	Scaffold414	6797	CC	TT	1940449974
SNP_P1_187358_6799	NW_004515891.1	Scaffold414	6799	TT	AA	1940449975
SNP_P1_187359_6827	NW_004515891.1	Scaffold414	6827	AA	GG	1940449976
SNP_P1_187360_7170	NW_004515891.1	Scaffold414	7170	GG	CC	1940449977
SNP_P1_187361_8029	NW_004515891.1	Scaffold414	8029	CC	TT	1940449978
SNP_P1_187362_8072	NW_004515891.1	Scaffold414	8072	TT	AA	1940449979
SNP_P1_187363_8453	NW_004515891.1	Scaffold414	8453	CC	AA	1940449980
SNP_P1_187364_9222	NW_004515891.1	Scaffold414	9222	AA	GG	1940449981
SNP_P1_187365_17322	NW_004515891.1	Scaffold414	17322	CC	TT	1940449982
SNP_P1_187366_17573	NW_004515891.1	Scaffold414	17573	TT	CC	1940449983
SNP_P1_187367_21941	NW_004515891.1	Scaffold414	21941	AA	TT	1940449984
SNP_P1_187369_22109	NW_004515891.1	Scaffold414	22109	CC	TT	1940449985
SNP_P1_187370_22233	NW_004515891.1	Scaffold414	22233	TT	CC	1940449986
SNP_P1_187371_47549	NW_004515891.1	Scaffold414	47549	CC	TT	1940449987
SNP_P1_187372_48659	NW_004515891.1	Scaffold414	48659	TT	AA	1940449988
SNP_P1_187373_48660	NW_004515891.1	Scaffold414	48660	TT	CC	1940449989
SNP_P1_187374_52116	NW_004515891.1	Scaffold414	52116	CC	TT	1940449990
SNP_P1_187375_52117	NW_004515891.1	Scaffold414	52117	TT	GG	1940449991
SNP_P1_187376_52226	NW_004515891.1	Scaffold414	52226	GG	AA	1940449992
SNP_P1_187377_53392	NW_004515891.1	Scaffold414	53392	TT	CC	1940449993
SNP_P1_187378_53434	NW_004515891.1	Scaffold414	53434	TT	CC	1940449994
SNP_P1_187379_53441	NW_004515891.1	Scaffold414	53441	AA	TT	1940449995
SNP_P1_187380_53470	NW_004515891.1	Scaffold414	53470	TT	CC	1940449996
SNP_P1_187381_53866	NW_004515891.1	Scaffold414	53866	GG	AA	1940449997
SNP_P1_187382_53887	NW_004515891.1	Scaffold414	53887	TT	AA	1940449998
SNP_P1_187383_54136	NW_004515891.1	Scaffold414	54136	TT	AA	1940449999
SNP_P1_187384_54258	NW_004515891.1	Scaffold414	54258	CC	TT	1940450000
SNP_P1_187385_54282	NW_004515891.1	Scaffold414	54282	CC	TT	1940450001
SNP_P1_187386_631	NW_004515892.1	Scaffold415	631	GG	AA	1940450002

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187388_1041	NW_004515892.1	Scaffold415	1041	GG	AA	1940450004
SNP_P1_187389_1048	NW_004515892.1	Scaffold415	1048	TT	AA	1940450005
SNP_P1_187390_1073	NW_004515892.1	Scaffold415	1073	GG	AA	1940450006
SNP_P1_187391_1118	NW_004515892.1	Scaffold415	1118	GG	AA	1940450007
SNP_P1_187393_1296	NW_004515892.1	Scaffold415	1296	TT	AA	1940450008
SNP_P1_187394_1322	NW_004515892.1	Scaffold415	1322	TT	CC	1940450009
SNP_P1_187395_1350	NW_004515892.1	Scaffold415	1350	TT	GG	1940450010
SNP_P1_187396_1358	NW_004515892.1	Scaffold415	1358	AA	TT	1940450011
SNP_P1_187397_1379	NW_004515892.1	Scaffold415	1379	CC	TT	1940450012
SNP_P1_187398_1384	NW_004515892.1	Scaffold415	1384	TT	CC	1940450013
SNP_P1_187399_1413	NW_004515892.1	Scaffold415	1413	AA	GG	1940450014
SNP_P1_187400_9372	NW_004515892.1	Scaffold415	9372	AA	CC	1940450015
SNP_P1_187401_9634	NW_004515892.1	Scaffold415	9634	AA	TT	1940450016
SNP_P1_187402_9655	NW_004515892.1	Scaffold415	9655	AA	GG	1940450017
SNP_P1_187403_9711	NW_004515892.1	Scaffold415	9711	TT	AA	1940450018
SNP_P1_187405_2410	NW_004515893.1	Scaffold418	2410	TT	CC	1940450019
SNP_P1_187407_8703	NW_004515893.1	Scaffold418	8703	GG	AA	1940450020
SNP_P1_187409_9659	NW_004515893.1	Scaffold418	9659	GG	CC	1940450021
SNP_P1_187410_9660	NW_004515893.1	Scaffold418	9660	AA	GG	1940450022
SNP_P1_187411_9724	NW_004515893.1	Scaffold418	9724	CC	AA	1940450023
SNP_P1_187412_9763	NW_004515893.1	Scaffold418	9763	TT	AA	1940450024
SNP_P1_187413_10043	NW_004515893.1	Scaffold418	10043	TT	CC	1940450025
SNP_P1_187414_10060	NW_004515893.1	Scaffold418	10060	AA	TT	1940450026
SNP_P1_187415_10076	NW_004515893.1	Scaffold418	10076	AA	GG	1940450027
SNP_P1_187416_19249	NW_004515893.1	Scaffold418	19249	CC	TT	1940450028
SNP_P1_187417_20471	NW_004515893.1	Scaffold418	20471	GG	TT	1940450029
SNP_P1_187418_21422	NW_004515893.1	Scaffold418	21422	TT	AA	1940450030
SNP_P1_187419_21427	NW_004515893.1	Scaffold418	21427	TT	CC	1940450031
SNP_P1_187420_21447	NW_004515893.1	Scaffold418	21447	TT	GG	1940450032
SNP_P1_187422_26457	NW_004515893.1	Scaffold418	26457	CC	GG	1940450033
SNP_P1_187423_29412	NW_004515893.1	Scaffold418	29412	AA	GG	1940450034
SNP_P1_187425_34972	NW_004515893.1	Scaffold418	34972	CC	TT	1940450035
SNP_P1_187426_35215	NW_004515893.1	Scaffold418	35215	AA	GG	1940450036
SNP_P1_187427_35250	NW_004515893.1	Scaffold418	35250	CC	TT	1940450037
SNP_P1_187428_37158	NW_004515893.1	Scaffold418	37158	GG	AA	1940450038
SNP_P1_187429_38897	NW_004515893.1	Scaffold418	38897	CC	TT	1940450039
SNP_P1_187430_38899	NW_004515893.1	Scaffold418	38899	GG	AA	1940450040
SNP_P1_187431_39991	NW_004515893.1	Scaffold418	39991	CC	AA	1940450041
SNP_P1_187432_50307	NW_004515893.1	Scaffold418	50307	CC	TT	1940450042
SNP_P1_187433_61319	NW_004515893.1	Scaffold418	61319	TT	CC	1940450043
SNP_P1_187434_66411	NW_004515893.1	Scaffold418	66411	AA	GG	1940450044

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187436_81933	NW_004515893.1	Scaffold418	81933	TT	AA	1940450046
SNP_P1_187437_82246	NW_004515893.1	Scaffold418	82246	GG	AA	1940450047
SNP_P1_187438_82285	NW_004515893.1	Scaffold418	82285	AA	GG	1940450048
SNP_P1_187439_82367	NW_004515893.1	Scaffold418	82367	TT	CC	1940450049
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SNP_P1_187441_82546	NW_004515893.1	Scaffold418	82546	TT	AA	1940450051
SNP_P1_187442_82652	NW_004515893.1	Scaffold418	82652	AA	GG	1940450052
SNP_P1_187443_82748	NW_004515893.1	Scaffold418	82748	GG	TT	1940450053
SNP_P1_187444_82753	NW_004515893.1	Scaffold418	82753	AA	TT	1940450054
SNP_P1_187445_82794	NW_004515893.1	Scaffold418	82794	GG	TT	1940450055
SNP_P1_187446_82802	NW_004515893.1	Scaffold418	82802	TT	CC	1940450056
SNP_P1_187447_82863	NW_004515893.1	Scaffold418	82863	AA	CC	1940450057
SNP_P1_187448_83126	NW_004515893.1	Scaffold418	83126	CC	TT	1940450058
SNP_P1_187449_83127	NW_004515893.1	Scaffold418	83127	AA	GG	1940450059
SNP_P1_187450_83135	NW_004515893.1	Scaffold418	83135	TT	AA	1940450060
SNP_P1_187451_83163	NW_004515893.1	Scaffold418	83163	TT	CC	1940450061
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SNP_P1_187456_90080	NW_004515893.1	Scaffold418	90080	CC	TT	1940450066
SNP_P1_187457_90142	NW_004515893.1	Scaffold418	90142	TT	GG	1940450067
SNP_P1_187458_90159	NW_004515893.1	Scaffold418	90159	GG	AA	1940450068
SNP_P1_187459_90250	NW_004515893.1	Scaffold418	90250	GG	TT	1940450069
SNP_P1_187460_90263	NW_004515893.1	Scaffold418	90263	TT	CC	1940450070
SNP_P1_187461_90347	NW_004515893.1	Scaffold418	90347	GG	TT	1940450071
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SNP_P1_187464_100795	NW_004515893.1	Scaffold418	100795	CC	TT	1940450074
SNP_P1_187466_101101	NW_004515893.1	Scaffold418	101101	CC	TT	1940450075
SNP_P1_187467_102429	NW_004515893.1	Scaffold418	102429	AA	CC	1940450076
SNP_P1_187468_102655	NW_004515893.1	Scaffold418	102655	GG	TT	1940450077
SNP_P1_187469_102771	NW_004515893.1	Scaffold418	102771	CC	TT	1940450078
SNP_P1_187470_103733	NW_004515893.1	Scaffold418	103733	AA	GG	1940450079
SNP_P1_187471_105167	NW_004515893.1	Scaffold418	105167	TT	AA	1940450080
SNP_P1_187472_106779	NW_004515893.1	Scaffold418	106779	CC	TT	1940450081
SNP_P1_187474_107140	NW_004515893.1	Scaffold418	107140	TT	AA	1940450082
SNP_P1_187475_107168	NW_004515893.1	Scaffold418	107168	CC	TT	1940450083
SNP_P1_187476_107286	NW_004515893.1	Scaffold418	107286	CC	TT	1940450084
SNP_P1_187477_107494	NW_004515893.1	Scaffold418	107494	CC	TT	1940450085
SNP_P1_187478_107516	NW_004515893.1	Scaffold418	107516	GG	AA	1940450086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187481_113974	NW_004515893.1	Scaffold418	113974	TT	CC	1940450088
SNP_P1_187482_114915	NW_004515893.1	Scaffold418	114915	AA	GG	1940450089
SNP_P1_187483_114923	NW_004515893.1	Scaffold418	114923	AA	TT	1940450090
SNP_P1_187484_115195	NW_004515893.1	Scaffold418	115195	CC	GG	1940450091
SNP_P1_187485_115255	NW_004515893.1	Scaffold418	115255	CC	TT	1940450092
SNP_P1_187486_115464	NW_004515893.1	Scaffold418	115464	CC	TT	1940450093
SNP_P1_187487_115817	NW_004515893.1	Scaffold418	115817	CC	GG	1940450094
SNP_P1_187488_116704	NW_004515893.1	Scaffold418	116704	AA	TT	1940450095
SNP_P1_187489_116744	NW_004515893.1	Scaffold418	116744	GG	AA	1940450096
SNP_P1_187490_116797	NW_004515893.1	Scaffold418	116797	CC	TT	1940450097
SNP_P1_187491_118500	NW_004515893.1	Scaffold418	118500	GG	AA	1940450098
SNP_P1_187492_118704	NW_004515893.1	Scaffold418	118704	TT	AA	1940450099
SNP_P1_187493_119145	NW_004515893.1	Scaffold418	119145	TT	CC	1940450100
SNP_P1_187494_119303	NW_004515893.1	Scaffold418	119303	GG	AA	1940450101
SNP_P1_187495_119359	NW_004515893.1	Scaffold418	119359	TT	AA	1940450103
SNP_P1_187496_119903	NW_004515893.1	Scaffold418	119903	TT	AA	1940450104
SNP_P1_187497_120794	NW_004515893.1	Scaffold418	120794	AA	CC	1940450105
SNP_P1_187498_121349	NW_004515893.1	Scaffold418	121349	CC	TT	1940450106
SNP_P1_187499_121662	NW_004515893.1	Scaffold418	121662	CC	TT	1940450107
SNP_P1_187500_130062	NW_004515893.1	Scaffold418	130062	TT	CC	1940450108
SNP_P1_187501_135363	NW_004515893.1	Scaffold418	135363	GG	TT	1940450109
SNP_P1_187502_135733	NW_004515893.1	Scaffold418	135733	TT	AA	1940450110
SNP_P1_187503_135735	NW_004515893.1	Scaffold418	135735	GG	TT	1940450111
SNP_P1_187504_136032	NW_004515893.1	Scaffold418	136032	GG	AA	1940450112
SNP_P1_187505_138385	NW_004515893.1	Scaffold418	138385	AA	CC	1940450113
SNP_P1_187506_140946	NW_004515893.1	Scaffold418	140946	TT	CC	1940450114
SNP_P1_187507_141070	NW_004515893.1	Scaffold418	141070	AA	TT	1940450115
SNP_P1_187508_141107	NW_004515893.1	Scaffold418	141107	AA	GG	1940450116
SNP_P1_187509_141383	NW_004515893.1	Scaffold418	141383	TT	CC	1940450117
SNP_P1_187510_151937	NW_004515893.1	Scaffold418	151937	GG	AA	1940450118
SNP_P1_187512_153162	NW_004515893.1	Scaffold418	153162	TT	CC	1940450119
SNP_P1_187513_153225	NW_004515893.1	Scaffold418	153225	AA	GG	1940450120
SNP_P1_187515_153489	NW_004515893.1	Scaffold418	153489	CC	AA	1940450121
SNP_P1_187516_153883	NW_004515893.1	Scaffold418	153883	TT	CC	1940450122
SNP_P1_187519_155550	NW_004515893.1	Scaffold418	155550	AA	TT	1940450123
SNP_P1_187520_155812	NW_004515893.1	Scaffold418	155812	TT	GG	1940450124
SNP_P1_187523_157582	NW_004515893.1	Scaffold418	157582	TT	CC	1940450125
SNP_P1_187524_157905	NW_004515893.1	Scaffold418	157905	CC	TT	1940450126
SNP_P1_187525_8607	NW_004515894.1	Scaffold419	8607	AA	GG	1940450127
SNP_P1_187526_12039	NW_004515894.1	Scaffold419	12039	GG	AA	1940450128
SNP_P1_187529_39262	NW_004515894.1	Scaffold419	39262	AA	GG	1940450129

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187531_39685	NW_004515894.1	Scaffold419	39685	TT	GG	1940450131
SNP_P1_187532_39687	NW_004515894.1	Scaffold419	39687	TT	CC	1940450132
SNP_P1_187533_82670	NW_004515894.1	Scaffold419	82670	AA	GG	1940450133
SNP_P1_187534_94721	NW_004515894.1	Scaffold419	94721	TT	AA	1940450134
SNP_P1_187536_101056	NW_004515894.1	Scaffold419	101056	TT	CC	1940450135
SNP_P1_187537_127348	NW_004515894.1	Scaffold419	127348	TT	GG	1940450136
SNP_P1_187538_143900	NW_004515894.1	Scaffold419	143900	GG	AA	1940450137
SNP_P1_187539_148591	NW_004515894.1	Scaffold419	148591	CC	TT	1940450138
SNP_P1_187541_148677	NW_004515894.1	Scaffold419	148677	CC	TT	1940450139
SNP_P1_187542_184979	NW_004515894.1	Scaffold419	184979	TT	GG	1940450140
SNP_P1_187543_184998	NW_004515894.1	Scaffold419	184998	AA	GG	1940450141
SNP_P1_187544_200244	NW_004515894.1	Scaffold419	200244	AA	GG	1940450142
SNP_P1_187545_218943	NW_004515894.1	Scaffold419	218943	GG	TT	1940450143
SNP_P1_187546_219000	NW_004515894.1	Scaffold419	219000	AA	TT	1940450144
SNP_P1_187547_219613	NW_004515894.1	Scaffold419	219613	AA	TT	1940450145
SNP_P1_187548_219635	NW_004515894.1	Scaffold419	219635	GG	AA	1940450146
SNP_P1_187549_219681	NW_004515894.1	Scaffold419	219681	AA	TT	1940450147
SNP_P1_187550_219694	NW_004515894.1	Scaffold419	219694	CC	TT	1940450148
SNP_P1_187551_242227	NW_004515894.1	Scaffold419	242227	TT	CC	1940450149
SNP_P1_187552_242231	NW_004515894.1	Scaffold419	242231	GG	AA	1940450150
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SNP_P1_187555_309432	NW_004515894.1	Scaffold419	309432	CC	GG	1940450152
SNP_P1_187556_323709	NW_004515894.1	Scaffold419	323709	TT	CC	1940450153
SNP_P1_187557_324389	NW_004515894.1	Scaffold419	324389	CC	AA	1940450154
SNP_P1_187559_340990	NW_004515894.1	Scaffold419	340990	GG	TT	1940450155
SNP_P1_187560_341256	NW_004515894.1	Scaffold419	341256	TT	CC	1940450156
SNP_P1_187561_8120	NW_004515895.1	Scaffold420	8120	TT	CC	1940450157
SNP_P1_187562_8585	NW_004515895.1	Scaffold420	8585	TT	GG	1940450158
SNP_P1_187563_8594	NW_004515895.1	Scaffold420	8594	GG	TT	1940450159
SNP_P1_187564_8630	NW_004515895.1	Scaffold420	8630	AA	TT	1940450160
SNP_P1_187565_15712	NW_004515895.1	Scaffold420	15712	GG	AA	1940450161
SNP_P1_187566_17959	NW_004515895.1	Scaffold420	17959	AA	GG	1940450162
SNP_P1_187567_64660	NW_004515895.1	Scaffold420	64660	TT	GG	1940450163
SNP_P1_187568_64774	NW_004515895.1	Scaffold420	64774	GG	AA	1940450164
SNP_P1_187569_64783	NW_004515895.1	Scaffold420	64783	AA	GG	1940450165
SNP_P1_187571_69678	NW_004515895.1	Scaffold420	69678	GG	TT	1940450166
SNP_P1_187572_69690	NW_004515895.1	Scaffold420	69690	CC	TT	1940450167
SNP_P1_187573_69898	NW_004515895.1	Scaffold420	69898	GG	AA	1940450168
SNP_P1_187574_69922	NW_004515895.1	Scaffold420	69922	AA	TT	1940450169
SNP_P1_187575_69927	NW_004515895.1	Scaffold420	69927	AA	GG	1940450170
SNP_P1_187576_70035	NW_004515895.1	Scaffold420	70035	TT	GG	1940450171

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187578_78369	NW_004515895.1	Scaffold420	78369	TT	CC	1940450173
SNP_P1_187579_78391	NW_004515895.1	Scaffold420	78391	TT	CC	1940450174
SNP_P1_187580_78409	NW_004515895.1	Scaffold420	78409	AA	GG	1940450175
SNP_P1_187581_78464	NW_004515895.1	Scaffold420	78464	TT	GG	1940450176
SNP_P1_187582_78478	NW_004515895.1	Scaffold420	78478	CC	TT	1940450177
SNP_P1_187583_78505	NW_004515895.1	Scaffold420	78505	CC	TT	1940450178
SNP_P1_187584_78514	NW_004515895.1	Scaffold420	78514	TT	CC	1940450179
SNP_P1_187585_78522	NW_004515895.1	Scaffold420	78522	AA	GG	1940450180
SNP_P1_187586_78748	NW_004515895.1	Scaffold420	78748	CC	TT	1940450181
SNP_P1_187587_78777	NW_004515895.1	Scaffold420	78777	AA	GG	1940450182
SNP_P1_187588_78823	NW_004515895.1	Scaffold420	78823	TT	AA	1940450183
SNP_P1_187589_82304	NW_004515895.1	Scaffold420	82304	GG	CC	1940450184
SNP_P1_187591_86849	NW_004515895.1	Scaffold420	86849	TT	AA	1940450185
SNP_P1_187592_86850	NW_004515895.1	Scaffold420	86850	TT	CC	1940450186
SNP_P1_187593_87189	NW_004515895.1	Scaffold420	87189	AA	CC	1940450187
SNP_P1_187594_87195	NW_004515895.1	Scaffold420	87195	AA	GG	1940450188
SNP_P1_187595_87244	NW_004515895.1	Scaffold420	87244	AA	GG	1940450189
SNP_P1_187596_87263	NW_004515895.1	Scaffold420	87263	TT	AA	1940450190
SNP_P1_187597_87323	NW_004515895.1	Scaffold420	87323	AA	GG	1940450191
SNP_P1_187598_87377	NW_004515895.1	Scaffold420	87377	GG	AA	1940450192
SNP_P1_187599_87399	NW_004515895.1	Scaffold420	87399	GG	AA	1940450193
SNP_P1_187600_87411	NW_004515895.1	Scaffold420	87411	CC	TT	1940450194
SNP_P1_187601_87478	NW_004515895.1	Scaffold420	87478	CC	GG	1940450195
SNP_P1_187602_92756	NW_004515895.1	Scaffold420	92756	TT	CC	1940450196
SNP_P1_187603_92759	NW_004515895.1	Scaffold420	92759	GG	AA	1940450197
SNP_P1_187604_92812	NW_004515895.1	Scaffold420	92812	GG	CC	1940450198
SNP_P1_187608_160973	NW_004515895.1	Scaffold420	160973	TT	GG	1940450199
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SNP_P1_187610_161658	NW_004515895.1	Scaffold420	161658	CC	TT	1940450201
SNP_P1_187611_161681	NW_004515895.1	Scaffold420	161681	AA	CC	1940450202
SNP_P1_187612_167312	NW_004515895.1	Scaffold420	167312	AA	TT	1940450203
SNP_P1_187613_177643	NW_004515895.1	Scaffold420	177643	AA	TT	1940450204
SNP_P1_187614_185348	NW_004515895.1	Scaffold420	185348	AA	GG	1940450205
SNP_P1_187615_185349	NW_004515895.1	Scaffold420	185349	AA	CC	1940450206
SNP_P1_187616_198899	NW_004515895.1	Scaffold420	198899	CC	TT	1940450207
SNP_P1_187617_200670	NW_004515895.1	Scaffold420	200670	AA	GG	1940450208
SNP_P1_187619_208482	NW_004515895.1	Scaffold420	208482	GG	AA	1940450209
SNP_P1_187620_210069	NW_004515895.1	Scaffold420	210069	TT	GG	1940450210
SNP_P1_187621_210490	NW_004515895.1	Scaffold420	210490	TT	CC	1940450211
SNP_P1_187622_210491	NW_004515895.1	Scaffold420	210491	GG	CC	1940450212
SNP_P1_187623_215849	NW_004515895.1	Scaffold420	215849	TT	CC	1940450213

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187625_249376	NW_004515895.1	Scaffold420	249376	TT	CC	1940450215
SNP_P1_187626_249381	NW_004515895.1	Scaffold420	249381	AA	CC	1940450216
SNP_P1_187627_249508	NW_004515895.1	Scaffold420	249508	GG	TT	1940450217
SNP_P1_187628_249523	NW_004515895.1	Scaffold420	249523	AA	CC	1940450218
SNP_P1_187629_249541	NW_004515895.1	Scaffold420	249541	TT	GG	1940450219
SNP_P1_187630_249559	NW_004515895.1	Scaffold420	249559	AA	TT	1940450220
SNP_P1_187631_249561	NW_004515895.1	Scaffold420	249561	AA	CC	1940450221
SNP_P1_187632_249562	NW_004515895.1	Scaffold420	249562	GG	CC	1940450222
SNP_P1_187633_249580	NW_004515895.1	Scaffold420	249580	GG	AA	1940450223
SNP_P1_187634_249618	NW_004515895.1	Scaffold420	249618	AA	TT	1940450224
SNP_P1_187635_249620	NW_004515895.1	Scaffold420	249620	GG	CC	1940450225
SNP_P1_187636_249710	NW_004515895.1	Scaffold420	249710	TT	CC	1940450226
SNP_P1_187637_249829	NW_004515895.1	Scaffold420	249829	AA	GG	1940450227
SNP_P1_187639_250149	NW_004515895.1	Scaffold420	250149	TT	AA	1940450228
SNP_P1_187640_250151	NW_004515895.1	Scaffold420	250151	TT	CC	1940450229
SNP_P1_187641_250158	NW_004515895.1	Scaffold420	250158	GG	AA	1940450230
SNP_P1_187642_250385	NW_004515895.1	Scaffold420	250385	GG	CC	1940450231
SNP_P1_187643_250831	NW_004515895.1	Scaffold420	250831	AA	TT	1940450232
SNP_P1_187645_266572	NW_004515895.1	Scaffold420	266572	TT	GG	1940450233
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SNP_P1_187651_270994	NW_004515895.1	Scaffold420	270994	GG	AA	1940450240
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SNP_P1_187653_311961	NW_004515895.1	Scaffold420	311961	AA	GG	1940450242
SNP_P1_187654_311963	NW_004515895.1	Scaffold420	311963	AA	GG	1940450243
SNP_P1_187655_312590	NW_004515895.1	Scaffold420	312590	CC	GG	1940450244
SNP_P1_187656_318750	NW_004515895.1	Scaffold420	318750	TT	CC	1940450245
SNP_P1_187657_324269	NW_004515895.1	Scaffold420	324269	TT	CC	1940450246
SNP_P1_187658_324411	NW_004515895.1	Scaffold420	324411	TT	GG	1940450247
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SNP_P1_187660_324487	NW_004515895.1	Scaffold420	324487	GG	AA	1940450249
SNP_P1_187661_324523	NW_004515895.1	Scaffold420	324523	AA	GG	1940450250
SNP_P1_187662_324530	NW_004515895.1	Scaffold420	324530	TT	CC	1940450251
SNP_P1_187663_324601	NW_004515895.1	Scaffold420	324601	AA	CC	1940450252
SNP_P1_187664_324616	NW_004515895.1	Scaffold420	324616	AA	GG	1940450253
SNP_P1_187665_324661	NW_004515895.1	Scaffold420	324661	GG	AA	1940450254
SNP_P1_187666_324662	NW_004515895.1	Scaffold420	324662	TT	CC	1940450255
SNP_P1_187667_324673	NW_004515895.1	Scaffold420	324673	TT	AA	1940450256

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187669_324872	NW_004515895.1	Scaffold420	324872	AA	GG	1940450258
SNP_P1_187670_1162	NW_004515896.1	Scaffold421_2	1162	CC	TT	1940450259
SNP_P1_187671_1163	NW_004515896.1	Scaffold421_2	1163	GG	AA	1940450260
SNP_P1_187673_40742	NW_004515896.1	Scaffold421_2	40742	GG	CC	1940450261
SNP_P1_187674_40747	NW_004515896.1	Scaffold421_2	40747	GG	AA	1940450262
SNP_P1_187675_43117	NW_004515896.1	Scaffold421_2	43117	CC	TT	1940450263
SNP_P1_187676_43119	NW_004515896.1	Scaffold421_2	43119	CC	TT	1940450264
SNP_P1_187677_45620	NW_004515896.1	Scaffold421_2	45620	TT	AA	1940450265
SNP_P1_187678_45693	NW_004515896.1	Scaffold421_2	45693	CC	TT	1940450266
SNP_P1_187679_45827	NW_004515896.1	Scaffold421_2	45827	TT	AA	1940450267
SNP_P1_187680_45857	NW_004515896.1	Scaffold421_2	45857	AA	CC	1940450268
SNP_P1_187681_45897	NW_004515896.1	Scaffold421_2	45897	CC	TT	1940450269
SNP_P1_187682_45899	NW_004515896.1	Scaffold421_2	45899	AA	GG	1940450270
SNP_P1_187683_58585	NW_004515896.1	Scaffold421_2	58585	GG	AA	1940450271
SNP_P1_187684_77969	NW_004515896.1	Scaffold421_2	77969	GG	AA	1940450272
SNP_P1_187685_91603	NW_004515896.1	Scaffold421_2	91603	GG	AA	1940450273
SNP_P1_187686_93950	NW_004515896.1	Scaffold421_2	93950	AA	GG	1940450274
SNP_P1_187688_97302	NW_004515896.1	Scaffold421_2	97302	CC	AA	1940450275
SNP_P1_187689_103456	NW_004515896.1	Scaffold421_2	103456	GG	AA	1940450276
SNP_P1_187690_114373	NW_004515896.1	Scaffold421_2	114373	GG	CC	1940450277
SNP_P1_187692_149868	NW_004515896.1	Scaffold421_2	149868	TT	CC	1940450278
SNP_P1_187693_162532	NW_004515896.1	Scaffold421_2	162532	CC	TT	1940450279
SNP_P1_187694_245302	NW_004515896.1	Scaffold421_2	245302	TT	CC	1940450280
SNP_P1_187696_249715	NW_004515896.1	Scaffold421_2	249715	CC	TT	1940450281
SNP_P1_187697_249738	NW_004515896.1	Scaffold421_2	249738	GG	AA	1940450282
SNP_P1_187698_249740	NW_004515896.1	Scaffold421_2	249740	TT	CC	1940450283
SNP_P1_187699_249798	NW_004515896.1	Scaffold421_2	249798	AA	GG	1940450284
SNP_P1_187700_249830	NW_004515896.1	Scaffold421_2	249830	TT	CC	1940450285
SNP_P1_187701_249871	NW_004515896.1	Scaffold421_2	249871	TT	CC	1940450286
SNP_P1_187702_249872	NW_004515896.1	Scaffold421_2	249872	AA	GG	1940450287
SNP_P1_187703_249911	NW_004515896.1	Scaffold421_2	249911	TT	GG	1940450288
SNP_P1_187704_249958	NW_004515896.1	Scaffold421_2	249958	AA	GG	1940450289
SNP_P1_187705_249969	NW_004515896.1	Scaffold421_2	249969	AA	GG	1940450290
SNP_P1_187706_253036	NW_004515896.1	Scaffold421_2	253036	TT	CC	1940450291
SNP_P1_187707_274821	NW_004515896.1	Scaffold421_2	274821	TT	CC	1940450292
SNP_P1_187708_274851	NW_004515896.1	Scaffold421_2	274851	AA	CC	1940450293
SNP_P1_187709_274852	NW_004515896.1	Scaffold421_2	274852	GG	AA	1940450294
SNP_P1_187710_274932	NW_004515896.1	Scaffold421_2	274932	TT	CC	1940450295
SNP_P1_187711_275252	NW_004515896.1	Scaffold421_2	275252	AA	GG	1940450296
SNP_P1_187712_275273	NW_004515896.1	Scaffold421_2	275273	GG	TT	1940450297
SNP_P1_187713_275366	NW_004515896.1	Scaffold421_2	275366	TT	AA	1940450298

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187716_305008	NW_004515896.1	Scaffold421_2	305008	CC	TT	1940450300
SNP_P1_187717_305016	NW_004515896.1	Scaffold421_2	305016	CC	TT	1940450301
SNP_P1_187718_311114	NW_004515896.1	Scaffold421_2	311114	TT	AA	1940450302
SNP_P1_187719_316580	NW_004515896.1	Scaffold421_2	316580	AA	TT	1940450303
SNP_P1_187720_318646	NW_004515896.1	Scaffold421_2	318646	CC	TT	1940450304
SNP_P1_187721_318647	NW_004515896.1	Scaffold421_2	318647	AA	GG	1940450305
SNP_P1_187722_318664	NW_004515896.1	Scaffold421_2	318664	AA	GG	1940450306
SNP_P1_187724_323165	NW_004515896.1	Scaffold421_2	323165	TT	GG	1940450307
SNP_P1_187725_323476	NW_004515896.1	Scaffold421_2	323476	TT	CC	1940450308
SNP_P1_187726_323553	NW_004515896.1	Scaffold421_2	323553	AA	GG	1940450309
SNP_P1_187727_325630	NW_004515896.1	Scaffold421_2	325630	CC	TT	1940450310
SNP_P1_187729_346107	NW_004515896.1	Scaffold421_2	346107	TT	GG	1940450311
SNP_P1_187731_349917	NW_004515896.1	Scaffold421_2	349917	TT	CC	1940450312
SNP_P1_187732_350173	NW_004515896.1	Scaffold421_2	350173	AA	GG	1940450313
SNP_P1_187734_365246	NW_004515896.1	Scaffold421_2	365246	TT	AA	1940450314
SNP_P1_187736_365823	NW_004515896.1	Scaffold421_2	365823	CC	GG	1940450315
SNP_P1_187737_366242	NW_004515896.1	Scaffold421_2	366242	CC	TT	1940450316
SNP_P1_187738_366251	NW_004515896.1	Scaffold421_2	366251	AA	TT	1940450317
SNP_P1_187739_370755	NW_004515896.1	Scaffold421_2	370755	TT	CC	1940450318
SNP_P1_187740_382073	NW_004515896.1	Scaffold421_2	382073	CC	TT	1940450319
SNP_P1_187741_395046	NW_004515896.1	Scaffold421_2	395046	AA	TT	1940450320
SNP_P1_187742_396507	NW_004515896.1	Scaffold421_2	396507	TT	CC	1940450321
SNP_P1_187743_396908	NW_004515896.1	Scaffold421_2	396908	TT	AA	1940450322
SNP_P1_187744_397946	NW_004515896.1	Scaffold421_2	397946	CC	TT	1940450323
SNP_P1_187745_397956	NW_004515896.1	Scaffold421_2	397956	GG	AA	1940450324
SNP_P1_187746_397960	NW_004515896.1	Scaffold421_2	397960	AA	CC	1940450325
SNP_P1_187747_397961	NW_004515896.1	Scaffold421_2	397961	GG	AA	1940450326
SNP_P1_187748_401792	NW_004515896.1	Scaffold421_2	401792	GG	AA	1940450327
SNP_P1_187749_413474	NW_004515896.1	Scaffold421_2	413474	GG	CC	1940450328
SNP_P1_187751_413568	NW_004515896.1	Scaffold421_2	413568	GG	TT	1940450329
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SNP_P1_187757_421654	NW_004515896.1	Scaffold421_2	421654	CC	AA	1940450335
SNP_P1_187759_425802	NW_004515896.1	Scaffold421_2	425802	TT	AA	1940450336
SNP_P1_187760_447414	NW_004515896.1	Scaffold421_2	447414	GG	AA	1940450337
SNP_P1_187761_447621	NW_004515896.1	Scaffold421_2	447621	GG	AA	1940450338
SNP_P1_187762_447639	NW_004515896.1	Scaffold421_2	447639	AA	GG	1940450339
SNP_P1_187763_447649	NW_004515896.1	Scaffold421_2	447649	AA	CC	1940450340

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187765_449543	NW_004515896.1	Scaffold421_2	449543	GG	TT	1940450342
SNP_P1_187766_456027	NW_004515896.1	Scaffold421_2	456027	TT	CC	1940450343
SNP_P1_187767_456068	NW_004515896.1	Scaffold421_2	456068	AA	TT	1940450344
SNP_P1_187768_462450	NW_004515896.1	Scaffold421_2	462450	AA	TT	1940450345
SNP_P1_187769_463009	NW_004515896.1	Scaffold421_2	463009	TT	CC	1940450346
SNP_P1_187770_465424	NW_004515896.1	Scaffold421_2	465424	TT	GG	1940450347
SNP_P1_187771_465577	NW_004515896.1	Scaffold421_2	465577	TT	CC	1940450348
SNP_P1_187772_465639	NW_004515896.1	Scaffold421_2	465639	AA	GG	1940450349
SNP_P1_187774_501581	NW_004515896.1	Scaffold421_2	501581	AA	GG	1940450350
SNP_P1_187775_501599	NW_004515896.1	Scaffold421_2	501599	TT	GG	1940450351
SNP_P1_187776_501630	NW_004515896.1	Scaffold421_2	501630	TT	CC	1940450352
SNP_P1_187777_503701	NW_004515896.1	Scaffold421_2	503701	AA	GG	1940450353
SNP_P1_187778_513390	NW_004515896.1	Scaffold421_2	513390	AA	GG	1940450354
SNP_P1_187780_539088	NW_004515896.1	Scaffold421_2	539088	AA	GG	1940450355
SNP_P1_187781_539416	NW_004515896.1	Scaffold421_2	539416	TT	CC	1940450356
SNP_P1_187782_558676	NW_004515896.1	Scaffold421_2	558676	AA	GG	1940450357
SNP_P1_187784_571933	NW_004515896.1	Scaffold421_2	571933	CC	AA	1940450358
SNP_P1_187785_577245	NW_004515896.1	Scaffold421_2	577245	CC	TT	1940450359
SNP_P1_187786_581368	NW_004515896.1	Scaffold421_2	581368	AA	CC	1940450360
SNP_P1_187787_581410	NW_004515896.1	Scaffold421_2	581410	TT	CC	1940450361
SNP_P1_187788_581782	NW_004515896.1	Scaffold421_2	581782	GG	AA	1940450362
SNP_P1_187789_581851	NW_004515896.1	Scaffold421_2	581851	TT	CC	1940450363
SNP_P1_187791_581961	NW_004515896.1	Scaffold421_2	581961	GG	AA	1940450364
SNP_P1_187792_581968	NW_004515896.1	Scaffold421_2	581968	TT	CC	1940450365
SNP_P1_187793_581970	NW_004515896.1	Scaffold421_2	581970	CC	AA	1940450366
SNP_P1_187794_582008	NW_004515896.1	Scaffold421_2	582008	AA	CC	1940450367
SNP_P1_187795_582146	NW_004515896.1	Scaffold421_2	582146	CC	AA	1940450368
SNP_P1_187796_582160	NW_004515896.1	Scaffold421_2	582160	AA	TT	1940450369
SNP_P1_187797_582192	NW_004515896.1	Scaffold421_2	582192	TT	AA	1940450370
SNP_P1_187798_582372	NW_004515896.1	Scaffold421_2	582372	CC	TT	1940450371
SNP_P1_187799_582979	NW_004515896.1	Scaffold421_2	582979	AA	TT	1940450372
SNP_P1_187800_583041	NW_004515896.1	Scaffold421_2	583041	CC	TT	1940450373
SNP_P1_187801_583134	NW_004515896.1	Scaffold421_2	583134	TT	CC	1940450374
SNP_P1_187802_583148	NW_004515896.1	Scaffold421_2	583148	GG	AA	1940450375
SNP_P1_187803_594102	NW_004515896.1	Scaffold421_2	594102	GG	AA	1940450376
SNP_P1_187804_594137	NW_004515896.1	Scaffold421_2	594137	TT	CC	1940450377
SNP_P1_187805_594412	NW_004515896.1	Scaffold421_2	594412	TT	CC	1940450378
SNP_P1_187806_596286	NW_004515896.1	Scaffold421_2	596286	GG	TT	1940450379
SNP_P1_187807_597562	NW_004515896.1	Scaffold421_2	597562	TT	CC	1940450380
SNP_P1_187808_597587	NW_004515896.1	Scaffold421_2	597587	GG	AA	1940450381
SNP_P1_187809_597708	NW_004515896.1	Scaffold421_2	597708	AA	TT	1940450382

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187811_597858	NW_004515896.1	Scaffold421_2	597858	CC	TT	1940450384
SNP_P1_187812_597864	NW_004515896.1	Scaffold421_2	597864	TT	CC	1940450385
SNP_P1_187813_597874	NW_004515896.1	Scaffold421_2	597874	AA	GG	1940450386
SNP_P1_187814_597883	NW_004515896.1	Scaffold421_2	597883	AA	TT	1940450387
SNP_P1_187815_597939	NW_004515896.1	Scaffold421_2	597939	CC	TT	1940450388
SNP_P1_187816_284	NW_004515897.1	Scaffold421_1	284	AA	CC	1940450389
SNP_P1_187817_2616	NW_004515897.1	Scaffold421_1	2616	GG	AA	1940450390
SNP_P1_187818_2835	NW_004515897.1	Scaffold421_1	2835	AA	CC	1940450391
SNP_P1_187820_2945	NW_004515897.1	Scaffold421_1	2945	GG	CC	1940450392
SNP_P1_187821_3012	NW_004515897.1	Scaffold421_1	3012	CC	AA	1940450393
SNP_P1_187822_3033	NW_004515897.1	Scaffold421_1	3033	CC	TT	1940450394
SNP_P1_187823_3227	NW_004515897.1	Scaffold421_1	3227	GG	AA	1940450395
SNP_P1_187824_3290	NW_004515897.1	Scaffold421_1	3290	CC	GG	1940450396
SNP_P1_187825_4641	NW_004515897.1	Scaffold421_1	4641	CC	TT	1940450397
SNP_P1_187826_6023	NW_004515897.1	Scaffold421_1	6023	TT	GG	1940450399
SNP_P1_187827_6328	NW_004515897.1	Scaffold421_1	6328	CC	TT	1940450400
SNP_P1_187828_32831	NW_004515897.1	Scaffold421_1	32831	AA	TT	1940450401
SNP_P1_187829_87790	NW_004515897.1	Scaffold421_1	87790	CC	TT	1940450402
SNP_P1_187830_97196	NW_004515897.1	Scaffold421_1	97196	GG	AA	1940450403
SNP_P1_187831_97471	NW_004515897.1	Scaffold421_1	97471	AA	GG	1940450404
SNP_P1_187833_97714	NW_004515897.1	Scaffold421_1	97714	TT	CC	1940450405
SNP_P1_187834_98097	NW_004515897.1	Scaffold421_1	98097	CC	TT	1940450406
SNP_P1_187835_98438	NW_004515897.1	Scaffold421_1	98438	GG	TT	1940450407
SNP_P1_187836_98647	NW_004515897.1	Scaffold421_1	98647	AA	GG	1940450408
SNP_P1_187837_98652	NW_004515897.1	Scaffold421_1	98652	AA	CC	1940450409
SNP_P1_187838_98653	NW_004515897.1	Scaffold421_1	98653	TT	AA	1940450410
SNP_P1_187839_98693	NW_004515897.1	Scaffold421_1	98693	AA	GG	1940450411
SNP_P1_187840_99173	NW_004515897.1	Scaffold421_1	99173	CC	TT	1940450412
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SNP_P1_187843_99264	NW_004515897.1	Scaffold421_1	99264	AA	GG	1940450414
SNP_P1_187844_99269	NW_004515897.1	Scaffold421_1	99269	CC	GG	1940450415
SNP_P1_187845_99270	NW_004515897.1	Scaffold421_1	99270	CC	TT	1940450416
SNP_P1_187846_100364	NW_004515897.1	Scaffold421_1	100364	TT	CC	1940450417
SNP_P1_187847_8610	NW_004515898.1	Scaffold423	8610	AA	TT	1940450418
SNP_P1_187848_8650	NW_004515898.1	Scaffold423	8650	AA	GG	1940450419
SNP_P1_187849_9317	NW_004515898.1	Scaffold423	9317	GG	AA	1940450420
SNP_P1_187850_9443	NW_004515898.1	Scaffold423	9443	AA	TT	1940450421
SNP_P1_187851_9509	NW_004515898.1	Scaffold423	9509	TT	CC	1940450422
SNP_P1_187852_16988	NW_004515898.1	Scaffold423	16988	AA	GG	1940450423
SNP_P1_187853_17322	NW_004515898.1	Scaffold423	17322	TT	CC	1940450424
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187856_23478	NW_004515899.1	Scaffold424	23478	CC	TT	1940450427
SNP_P1_187857_24343	NW_004515899.1	Scaffold424	24343	AA	TT	1940450428
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SNP_P1_187859_26367	NW_004515899.1	Scaffold424	26367	GG	TT	1940450430
SNP_P1_187860_29515	NW_004515899.1	Scaffold424	29515	AA	GG	1940450431
SNP_P1_187861_29528	NW_004515899.1	Scaffold424	29528	GG	AA	1940450432
SNP_P1_187864_30947	NW_004515899.1	Scaffold424	30947	AA	GG	1940450433
SNP_P1_187865_33997	NW_004515899.1	Scaffold424	33997	TT	GG	1940450434
SNP_P1_187866_35464	NW_004515899.1	Scaffold424	35464	CC	AA	1940450435
SNP_P1_187867_37168	NW_004515899.1	Scaffold424	37168	AA	GG	1940450436
SNP_P1_187868_39765	NW_004515899.1	Scaffold424	39765	GG	AA	1940450437
SNP_P1_187869_40643	NW_004515899.1	Scaffold424	40643	AA	CC	1940450438
SNP_P1_187870_40714	NW_004515899.1	Scaffold424	40714	GG	CC	1940450439
SNP_P1_187871_40945	NW_004515899.1	Scaffold424	40945	TT	AA	1940450440
SNP_P1_187872_40951	NW_004515899.1	Scaffold424	40951	TT	AA	1940450441
SNP_P1_187873_41004	NW_004515899.1	Scaffold424	41004	GG	AA	1940450442
SNP_P1_187874_50912	NW_004515899.1	Scaffold424	50912	TT	CC	1940450443
SNP_P1_187875_50914	NW_004515899.1	Scaffold424	50914	GG	AA	1940450444
SNP_P1_187876_50915	NW_004515899.1	Scaffold424	50915	GG	CC	1940450445
SNP_P1_187877_50918	NW_004515899.1	Scaffold424	50918	TT	CC	1940450446
SNP_P1_187878_56499	NW_004515899.1	Scaffold424	56499	CC	TT	1940450447
SNP_P1_187879_61058	NW_004515899.1	Scaffold424	61058	TT	GG	1940450448
SNP_P1_187880_61076	NW_004515899.1	Scaffold424	61076	AA	GG	1940450449
SNP_P1_187881_61091	NW_004515899.1	Scaffold424	61091	CC	TT	1940450450
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SNP_P1_187884_61428	NW_004515899.1	Scaffold424	61428	TT	CC	1940450453
SNP_P1_187885_61429	NW_004515899.1	Scaffold424	61429	AA	GG	1940450454
SNP_P1_187886_63209	NW_004515899.1	Scaffold424	63209	AA	CC	1940450455
SNP_P1_187887_65490	NW_004515899.1	Scaffold424	65490	GG	AA	1940450456
SNP_P1_187888_65538	NW_004515899.1	Scaffold424	65538	AA	GG	1940450457
SNP_P1_187889_65540	NW_004515899.1	Scaffold424	65540	TT	CC	1940450458
SNP_P1_187890_65597	NW_004515899.1	Scaffold424	65597	TT	CC	1940450459
SNP_P1_187891_65737	NW_004515899.1	Scaffold424	65737	GG	TT	1940450460
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SNP_P1_187894_65844	NW_004515899.1	Scaffold424	65844	CC	AA	1940450463
SNP_P1_187895_70081	NW_004515899.1	Scaffold424	70081	AA	GG	1940450464
SNP_P1_187896_74757	NW_004515899.1	Scaffold424	74757	GG	TT	1940450465
SNP_P1_187897_79448	NW_004515899.1	Scaffold424	79448	AA	CC	1940450466
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187901_85883	NW_004515899.1	Scaffold424	85883	GG	AA	1940450470
SNP_P1_187902_88778	NW_004515899.1	Scaffold424	88778	TT	AA	1940450471
SNP_P1_187903_88794	NW_004515899.1	Scaffold424	88794	TT	GG	1940450472
SNP_P1_187904_88819	NW_004515899.1	Scaffold424	88819	AA	CC	1940450473
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SNP_P1_187909_92360	NW_004515899.1	Scaffold424	92360	CC	AA	1940450478
SNP_P1_187910_92361	NW_004515899.1	Scaffold424	92361	CC	TT	1940450479
SNP_P1_187911_93528	NW_004515899.1	Scaffold424	93528	AA	CC	1940450480
SNP_P1_187912_103120	NW_004515899.1	Scaffold424	103120	CC	TT	1940450481
SNP_P1_187913_104192	NW_004515899.1	Scaffold424	104192	AA	GG	1940450482
SNP_P1_187914_104331	NW_004515899.1	Scaffold424	104331	CC	AA	1940450483
SNP_P1_187915_104356	NW_004515899.1	Scaffold424	104356	CC	GG	1940450484
SNP_P1_187916_104530	NW_004515899.1	Scaffold424	104530	TT	GG	1940450485
SNP_P1_187917_106657	NW_004515899.1	Scaffold424	106657	GG	AA	1940450486
SNP_P1_187918_110047	NW_004515899.1	Scaffold424	110047	AA	GG	1940450487
SNP_P1_187919_110094	NW_004515899.1	Scaffold424	110094	AA	GG	1940450488
SNP_P1_187920_110318	NW_004515899.1	Scaffold424	110318	GG	AA	1940450489
SNP_P1_187921_110382	NW_004515899.1	Scaffold424	110382	AA	GG	1940450490
SNP_P1_187922_112404	NW_004515899.1	Scaffold424	112404	AA	GG	1940450491
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SNP_P1_187924_113082	NW_004515899.1	Scaffold424	113082	GG	AA	1940450493
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SNP_P1_187926_113207	NW_004515899.1	Scaffold424	113207	CC	GG	1940450495
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SNP_P1_187928_113489	NW_004515899.1	Scaffold424	113489	AA	TT	1940450497
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SNP_P1_187930_114284	NW_004515899.1	Scaffold424	114284	GG	AA	1940450499
SNP_P1_187931_114932	NW_004515899.1	Scaffold424	114932	GG	CC	1940450500
SNP_P1_187932_124295	NW_004515899.1	Scaffold424	124295	AA	GG	1940450501
SNP_P1_187933_124326	NW_004515899.1	Scaffold424	124326	TT	GG	1940450502
SNP_P1_187934_124394	NW_004515899.1	Scaffold424	124394	AA	TT	1940450503
SNP_P1_187935_690	NW_004515900.1	Scaffold425	690	CC	TT	1940450504
SNP_P1_187936_695	NW_004515900.1	Scaffold425	695	TT	GG	1940450505
SNP_P1_187937_755	NW_004515900.1	Scaffold425	755	AA	CC	1940450506
SNP_P1_187938_795	NW_004515900.1	Scaffold425	795	TT	GG	1940450507
SNP_P1_187939_796	NW_004515900.1	Scaffold425	796	CC	AA	1940450508
SNP_P1_187940_805	NW_004515900.1	Scaffold425	805	AA	GG	1940450509

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_187941_822	NW_004515900.1	Scaffold425	822	AA	TT	1940450510
SNP_P1_187942_3895	NW_004515900.1	Scaffold425	3895	TT	CC	1940450511
SNP_P1_187943_13333	NW_004515901.1	Scaffold427	13333	AA	GG	1940450512
SNP_P1_187944_13363	NW_004515901.1	Scaffold427	13363	TT	CC	1940450513
SNP_P1_187946_13394	NW_004515901.1	Scaffold427	13394	TT	GG	1940450514
SNP_P1_187947_13698	NW_004515901.1	Scaffold427	13698	CC	TT	1940450515
SNP_P1_187948_14228	NW_004515901.1	Scaffold427	14228	AA	GG	1940450516
SNP_P1_187949_15493	NW_004515901.1	Scaffold427	15493	TT	CC	1940450517
SNP_P1_187950_15539	NW_004515901.1	Scaffold427	15539	TT	CC	1940450518
SNP_P1_187951_15548	NW_004515901.1	Scaffold427	15548	TT	GG	1940450519
SNP_P1_187952_15736	NW_004515901.1	Scaffold427	15736	CC	AA	1940450520
SNP_P1_187953_15755	NW_004515901.1	Scaffold427	15755	GG	TT	1940450521
SNP_P1_187954_15968	NW_004515901.1	Scaffold427	15968	TT	AA	1940450522
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SNP_P1_187956_16097	NW_004515901.1	Scaffold427	16097	AA	TT	1940450524
SNP_P1_187957_20063	NW_004515901.1	Scaffold427	20063	AA	GG	1940450525
SNP_P1_187958_42902	NW_004515901.1	Scaffold427	42902	GG	TT	1940450526
SNP_P1_187959_64375	NW_004515901.1	Scaffold427	64375	AA	TT	1940450527
SNP_P1_187960_68580	NW_004515901.1	Scaffold427	68580	CC	GG	1940450528
SNP_P1_187961_72475	NW_004515901.1	Scaffold427	72475	GG	AA	1940450529
SNP_P1_187962_82368	NW_004515901.1	Scaffold427	82368	TT	GG	1940450530
SNP_P1_187963_82432	NW_004515901.1	Scaffold427	82432	TT	GG	1940450531
SNP_P1_187964_82690	NW_004515901.1	Scaffold427	82690	CC	TT	1940450532
SNP_P1_187965_82747	NW_004515901.1	Scaffold427	82747	TT	CC	1940450533
SNP_P1_187966_83008	NW_004515901.1	Scaffold427	83008	AA	GG	1940450534
SNP_P1_187967_83070	NW_004515901.1	Scaffold427	83070	CC	GG	1940450536
SNP_P1_187968_83133	NW_004515901.1	Scaffold427	83133	TT	AA	1940450537
SNP_P1_187969_83661	NW_004515901.1	Scaffold427	83661	TT	AA	1940450538
SNP_P1_187970_83745	NW_004515901.1	Scaffold427	83745	AA	GG	1940450539
SNP_P1_187971_88476	NW_004515901.1	Scaffold427	88476	TT	CC	1940450540
SNP_P1_187972_88666	NW_004515901.1	Scaffold427	88666	TT	AA	1940450541
SNP_P1_187973_92373	NW_004515901.1	Scaffold427	92373	GG	AA	1940450542
SNP_P1_187974_105107	NW_004515901.1	Scaffold427	105107	AA	TT	1940450543
SNP_P1_187975_105113	NW_004515901.1	Scaffold427	105113	AA	TT	1940450544
SNP_P1_187976_105120	NW_004515901.1	Scaffold427	105120	AA	CC	1940450545
SNP_P1_187977_105124	NW_004515901.1	Scaffold427	105124	CC	AA	1940450546
SNP_P1_187978_107641	NW_004515901.1	Scaffold427	107641	CC	TT	1940450547
SNP_P1_187979_116799	NW_004515901.1	Scaffold427	116799	GG	CC	1940450548
SNP_P1_187980_19851	NW_004515902.1	Scaffold428	19851	AA	GG	1940450549
SNP_P1_187982_19963	NW_004515902.1	Scaffold428	19963	AA	GG	1940450550
SNP_P1_187983_20004	NW_004515902.1	Scaffold428	20004	AA	GG	1940450551
SNP_P1_187984_20055	NW_004515902.1	Scaffold428	20055	AA	GG	1940450552

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_187986_263	NW_004515903.1	Scaffold429	263	AA	GG	1940450554
SNP_P1_187987_268	NW_004515903.1	Scaffold429	268	CC	GG	1940450555
SNP_P1_187988_310	NW_004515903.1	Scaffold429	310	TT	CC	1940450556
SNP_P1_187989_323	NW_004515903.1	Scaffold429	323	AA	TT	1940450557
SNP_P1_187990_391	NW_004515903.1	Scaffold429	391	CC	TT	1940450558
SNP_P1_187991_393	NW_004515903.1	Scaffold429	393	TT	CC	1940450559
SNP_P1_187992_410	NW_004515903.1	Scaffold429	410	CC	AA	1940450560
SNP_P1_187993_437	NW_004515903.1	Scaffold429	437	CC	AA	1940450561
SNP_P1_187994_439	NW_004515903.1	Scaffold429	439	CC	TT	1940450562
SNP_P1_187995_497	NW_004515903.1	Scaffold429	497	GG	CC	1940450563
SNP_P1_187996_539	NW_004515903.1	Scaffold429	539	CC	TT	1940450564
SNP_P1_187997_684	NW_004515903.1	Scaffold429	684	CC	TT	1940450565
SNP_P1_187998_687	NW_004515903.1	Scaffold429	687	AA	TT	1940450566
SNP_P1_187999_2846	NW_004515903.1	Scaffold429	2846	TT	AA	1940450567
SNP_P1_188000_2855	NW_004515903.1	Scaffold429	2855	TT	CC	1940450568
SNP_P1_188001_6084	NW_004515903.1	Scaffold429	6084	AA	TT	1940450569
SNP_P1_188002_8144	NW_004515903.1	Scaffold429	8144	TT	AA	1940450570
SNP_P1_188003_8222	NW_004515903.1	Scaffold429	8222	AA	GG	1940450571
SNP_P1_188004_8262	NW_004515903.1	Scaffold429	8262	AA	TT	1940450572
SNP_P1_188005_8263	NW_004515903.1	Scaffold429	8263	AA	GG	1940450573
SNP_P1_188006_8317	NW_004515903.1	Scaffold429	8317	GG	AA	1940450574
SNP_P1_188007_8343	NW_004515903.1	Scaffold429	8343	AA	GG	1940450575
SNP_P1_188008_8405	NW_004515903.1	Scaffold429	8405	AA	TT	1940450576
SNP_P1_188009_8422	NW_004515903.1	Scaffold429	8422	AA	TT	1940450577
SNP_P1_188010_8459	NW_004515903.1	Scaffold429	8459	AA	TT	1940450578
SNP_P1_188011_8478	NW_004515903.1	Scaffold429	8478	CC	AA	1940450579
SNP_P1_188012_8496	NW_004515903.1	Scaffold429	8496	GG	TT	1940450580
SNP_P1_188013_8577	NW_004515903.1	Scaffold429	8577	CC	GG	1940450581
SNP_P1_188014_8583	NW_004515903.1	Scaffold429	8583	AA	GG	1940450582
SNP_P1_188015_8628	NW_004515903.1	Scaffold429	8628	TT	CC	1940450583
SNP_P1_188016_8760	NW_004515903.1	Scaffold429	8760	TT	GG	1940450584
SNP_P1_188017_8826	NW_004515903.1	Scaffold429	8826	GG	CC	1940450585
SNP_P1_188018_8841	NW_004515903.1	Scaffold429	8841	CC	AA	1940450586
SNP_P1_188019_8986	NW_004515903.1	Scaffold429	8986	AA	TT	1940450587
SNP_P1_188020_9006	NW_004515903.1	Scaffold429	9006	TT	GG	1940450588
SNP_P1_188021_9015	NW_004515903.1	Scaffold429	9015	TT	CC	1940450589
SNP_P1_188022_9025	NW_004515903.1	Scaffold429	9025	GG	TT	1940450590
SNP_P1_188023_9031	NW_004515903.1	Scaffold429	9031	GG	AA	1940450591
SNP_P1_188024_9108	NW_004515903.1	Scaffold429	9108	CC	TT	1940450592
SNP_P1_188025_9119	NW_004515903.1	Scaffold429	9119	TT	GG	1940450593
SNP_P1_188026_9120	NW_004515903.1	Scaffold429	9120	TT	AA	1940450594

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188028_10423	NW_004515903.1	Scaffold429	10423	CC	GG	1940450596
SNP_P1_188029_11522	NW_004515903.1	Scaffold429	11522	TT	GG	1940450597
SNP_P1_188030_11537	NW_004515903.1	Scaffold429	11537	AA	TT	1940450598
SNP_P1_188031_13478	NW_004515903.1	Scaffold429	13478	TT	CC	1940450599
SNP_P1_188032_13480	NW_004515903.1	Scaffold429	13480	CC	TT	1940450600
SNP_P1_188033_13587	NW_004515903.1	Scaffold429	13587	AA	CC	1940450601
SNP_P1_188034_13597	NW_004515903.1	Scaffold429	13597	CC	TT	1940450602
SNP_P1_188035_14476	NW_004515903.1	Scaffold429	14476	GG	CC	1940450603
SNP_P1_188036_14478	NW_004515903.1	Scaffold429	14478	TT	CC	1940450604
SNP_P1_188037_15380	NW_004515903.1	Scaffold429	15380	GG	TT	1940450605
SNP_P1_188038_15399	NW_004515903.1	Scaffold429	15399	AA	GG	1940450606
SNP_P1_188039_15431	NW_004515903.1	Scaffold429	15431	TT	AA	1940450607
SNP_P1_188040_15519	NW_004515903.1	Scaffold429	15519	CC	TT	1940450608
SNP_P1_188041_15558	NW_004515903.1	Scaffold429	15558	AA	CC	1940450609
SNP_P1_188042_15575	NW_004515903.1	Scaffold429	15575	GG	AA	1940450610
SNP_P1_188043_15595	NW_004515903.1	Scaffold429	15595	AA	CC	1940450611
SNP_P1_188044_15667	NW_004515903.1	Scaffold429	15667	TT	GG	1940450612
SNP_P1_188045_15703	NW_004515903.1	Scaffold429	15703	AA	GG	1940450613
SNP_P1_188046_15709	NW_004515903.1	Scaffold429	15709	TT	GG	1940450614
SNP_P1_188047_15752	NW_004515903.1	Scaffold429	15752	AA	GG	1940450615
SNP_P1_188048_15772	NW_004515903.1	Scaffold429	15772	CC	TT	1940450616
SNP_P1_188049_15791	NW_004515903.1	Scaffold429	15791	TT	CC	1940450617
SNP_P1_188050_15888	NW_004515903.1	Scaffold429	15888	TT	CC	1940450618
SNP_P1_188051_17752	NW_004515903.1	Scaffold429	17752	AA	GG	1940450619
SNP_P1_188052_22166	NW_004515903.1	Scaffold429	22166	GG	CC	1940450620
SNP_P1_188053_25246	NW_004515903.1	Scaffold429	25246	GG	AA	1940450621
SNP_P1_188054_27571	NW_004515903.1	Scaffold429	27571	TT	CC	1940450622
SNP_P1_188055_27577	NW_004515903.1	Scaffold429	27577	AA	TT	1940450623
SNP_P1_188056_27579	NW_004515903.1	Scaffold429	27579	AA	TT	1940450624
SNP_P1_188057_27580	NW_004515903.1	Scaffold429	27580	AA	GG	1940450625
SNP_P1_188058_27587	NW_004515903.1	Scaffold429	27587	CC	TT	1940450626
SNP_P1_188059_27600	NW_004515903.1	Scaffold429	27600	GG	AA	1940450627
SNP_P1_188060_27606	NW_004515903.1	Scaffold429	27606	AA	TT	1940450628
SNP_P1_188062_27749	NW_004515903.1	Scaffold429	27749	GG	AA	1940450629
SNP_P1_188063_28697	NW_004515903.1	Scaffold429	28697	AA	GG	1940450630
SNP_P1_188064_28907	NW_004515903.1	Scaffold429	28907	TT	GG	1940450631
SNP_P1_188065_28918	NW_004515903.1	Scaffold429	28918	TT	AA	1940450632
SNP_P1_188066_28934	NW_004515903.1	Scaffold429	28934	AA	CC	1940450633
SNP_P1_188068_29206	NW_004515903.1	Scaffold429	29206	TT	CC	1940450634
SNP_P1_188069_29257	NW_004515903.1	Scaffold429	29257	GG	CC	1940450635
SNP_P1_188070_29477	NW_004515903.1	Scaffold429	29477	AA	CC	1940450636

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188072_29531	NW_004515903.1	Scaffold429	29531	TT	GG	1940450638
SNP_P1_188073_29552	NW_004515903.1	Scaffold429	29552	AA	GG	1940450639
SNP_P1_188074_29554	NW_004515903.1	Scaffold429	29554	TT	CC	1940450640
SNP_P1_188075_29610	NW_004515903.1	Scaffold429	29610	TT	CC	1940450641
SNP_P1_188076_29755	NW_004515903.1	Scaffold429	29755	AA	TT	1940450642
SNP_P1_188077_31335	NW_004515903.1	Scaffold429	31335	GG	AA	1940450643
SNP_P1_188079_48016	NW_004515903.1	Scaffold429	48016	CC	AA	1940450644
SNP_P1_188080_58003	NW_004515903.1	Scaffold429	58003	TT	AA	1940450645
SNP_P1_188081_58059	NW_004515903.1	Scaffold429	58059	CC	AA	1940450646
SNP_P1_188082_58226	NW_004515903.1	Scaffold429	58226	AA	TT	1940450647
SNP_P1_188083_58384	NW_004515903.1	Scaffold429	58384	GG	AA	1940450648
SNP_P1_188084_58415	NW_004515903.1	Scaffold429	58415	AA	GG	1940450649
SNP_P1_188085_58424	NW_004515903.1	Scaffold429	58424	TT	GG	1940450650
SNP_P1_188086_59341	NW_004515903.1	Scaffold429	59341	AA	CC	1940450651
SNP_P1_188087_59384	NW_004515903.1	Scaffold429	59384	AA	GG	1940450652
SNP_P1_188088_59394	NW_004515903.1	Scaffold429	59394	GG	TT	1940450653
SNP_P1_188089_59583	NW_004515903.1	Scaffold429	59583	AA	CC	1940450654
SNP_P1_188090_59754	NW_004515903.1	Scaffold429	59754	TT	CC	1940450655
SNP_P1_188091_59890	NW_004515903.1	Scaffold429	59890	GG	TT	1940450656
SNP_P1_188092_67095	NW_004515903.1	Scaffold429	67095	AA	TT	1940450657
SNP_P1_188093_67100	NW_004515903.1	Scaffold429	67100	CC	GG	1940450658
SNP_P1_188095_67121	NW_004515903.1	Scaffold429	67121	CC	TT	1940450659
SNP_P1_188096_67140	NW_004515903.1	Scaffold429	67140	CC	AA	1940450660
SNP_P1_188097_67148	NW_004515903.1	Scaffold429	67148	GG	TT	1940450661
SNP_P1_188098_67152	NW_004515903.1	Scaffold429	67152	TT	CC	1940450662
SNP_P1_188099_69273	NW_004515903.1	Scaffold429	69273	TT	CC	1940450663
SNP_P1_188100_69352	NW_004515903.1	Scaffold429	69352	AA	CC	1940450664
SNP_P1_188101_69771	NW_004515903.1	Scaffold429	69771	TT	CC	1940450665
SNP_P1_188102_69781	NW_004515903.1	Scaffold429	69781	AA	TT	1940450666
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SNP_P1_188104_69792	NW_004515903.1	Scaffold429	69792	AA	GG	1940450668
SNP_P1_188105_71942	NW_004515903.1	Scaffold429	71942	CC	TT	1940450669
SNP_P1_188106_72477	NW_004515903.1	Scaffold429	72477	AA	TT	1940450670
SNP_P1_188107_72481	NW_004515903.1	Scaffold429	72481	AA	TT	1940450671
SNP_P1_188108_72504	NW_004515903.1	Scaffold429	72504	AA	GG	1940450672
SNP_P1_188109_72563	NW_004515903.1	Scaffold429	72563	GG	AA	1940450673
SNP_P1_188110_72568	NW_004515903.1	Scaffold429	72568	TT	CC	1940450674
SNP_P1_188111_72681	NW_004515903.1	Scaffold429	72681	AA	TT	1940450675
SNP_P1_188112_72685	NW_004515903.1	Scaffold429	72685	TT	AA	1940450676
SNP_P1_188113_72706	NW_004515903.1	Scaffold429	72706	AA	GG	1940450677
SNP_P1_188114_72707	NW_004515903.1	Scaffold429	72707	CC	TT	1940450678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188116_73207	NW_004515903.1	Scaffold429	73207	TT	CC	1940450680
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SNP_P1_188118_77515	NW_004515903.1	Scaffold429	77515	CC	AA	1940450682
SNP_P1_188119_77785	NW_004515903.1	Scaffold429	77785	TT	CC	1940450684
SNP_P1_188120_78480	NW_004515903.1	Scaffold429	78480	GG	AA	1940450685
SNP_P1_188121_81484	NW_004515903.1	Scaffold429	81484	GG	CC	1940450686
SNP_P1_188123_83237	NW_004515903.1	Scaffold429	83237	AA	GG	1940450687
SNP_P1_188124_96119	NW_004515903.1	Scaffold429	96119	AA	CC	1940450688
SNP_P1_188125_96300	NW_004515903.1	Scaffold429	96300	TT	GG	1940450689
SNP_P1_188126_96690	NW_004515903.1	Scaffold429	96690	TT	CC	1940450690
SNP_P1_188127_96700	NW_004515903.1	Scaffold429	96700	GG	AA	1940450691
SNP_P1_188128_96712	NW_004515903.1	Scaffold429	96712	TT	CC	1940450692
SNP_P1_188129_96754	NW_004515903.1	Scaffold429	96754	AA	GG	1940450693
SNP_P1_188130_96779	NW_004515903.1	Scaffold429	96779	TT	CC	1940450694
SNP_P1_188131_98242	NW_004515903.1	Scaffold429	98242	CC	AA	1940450695
SNP_P1_188132_98250	NW_004515903.1	Scaffold429	98250	CC	TT	1940450696
SNP_P1_188133_98308	NW_004515903.1	Scaffold429	98308	GG	AA	1940450697
SNP_P1_188134_98556	NW_004515903.1	Scaffold429	98556	AA	GG	1940450698
SNP_P1_188135_98583	NW_004515903.1	Scaffold429	98583	CC	TT	1940450699
SNP_P1_188136_98597	NW_004515903.1	Scaffold429	98597	TT	AA	1940450700
SNP_P1_188137_105479	NW_004515903.1	Scaffold429	105479	GG	AA	1940450701
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SNP_P1_188143_111676	NW_004515903.1	Scaffold429	111676	TT	GG	1940450707
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SNP_P1_188149_121790	NW_004515903.1	Scaffold429	121790	GG	CC	1940450713
SNP_P1_188151_128714	NW_004515903.1	Scaffold429	128714	GG	AA	1940450714
SNP_P1_188152_128717	NW_004515903.1	Scaffold429	128717	AA	TT	1940450715
SNP_P1_188153_128834	NW_004515903.1	Scaffold429	128834	GG	CC	1940450716
SNP_P1_188154_128851	NW_004515903.1	Scaffold429	128851	TT	AA	1940450717
SNP_P1_188155_129086	NW_004515903.1	Scaffold429	129086	AA	TT	1940450718
SNP_P1_188156_129132	NW_004515903.1	Scaffold429	129132	GG	TT	1940450719
SNP_P1_188157_129153	NW_004515903.1	Scaffold429	129153	CC	TT	1940450720
SNP_P1_188158_129215	NW_004515903.1	Scaffold429	129215	TT	GG	1940450721

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188160_129727	NW_004515903.1	Scaffold429	129727	AA	CC	1940450723
SNP_P1_188161_129745	NW_004515903.1	Scaffold429	129745	TT	AA	1940450724
SNP_P1_188162_129746	NW_004515903.1	Scaffold429	129746	CC	TT	1940450725
SNP_P1_188163_129754	NW_004515903.1	Scaffold429	129754	AA	TT	1940450726
SNP_P1_188164_131515	NW_004515903.1	Scaffold429	131515	AA	GG	1940450727
SNP_P1_188165_131610	NW_004515903.1	Scaffold429	131610	AA	GG	1940450728
SNP_P1_188166_131751	NW_004515903.1	Scaffold429	131751	TT	AA	1940450729
SNP_P1_188167_131802	NW_004515903.1	Scaffold429	131802	CC	AA	1940450730
SNP_P1_188168_131823	NW_004515903.1	Scaffold429	131823	TT	AA	1940450731
SNP_P1_188169_131869	NW_004515903.1	Scaffold429	131869	AA	TT	1940450732
SNP_P1_188170_132611	NW_004515903.1	Scaffold429	132611	AA	TT	1940450733
SNP_P1_188172_135559	NW_004515903.1	Scaffold429	135559	AA	TT	1940450734
SNP_P1_188173_135613	NW_004515903.1	Scaffold429	135613	TT	CC	1940450735
SNP_P1_188174_135624	NW_004515903.1	Scaffold429	135624	AA	TT	1940450736
SNP_P1_188175_136236	NW_004515903.1	Scaffold429	136236	AA	GG	1940450737
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SNP_P1_188177_136975	NW_004515903.1	Scaffold429	136975	AA	GG	1940450739
SNP_P1_188178_141398	NW_004515903.1	Scaffold429	141398	TT	GG	1940450740
SNP_P1_188179_141462	NW_004515903.1	Scaffold429	141462	AA	CC	1940450741
SNP_P1_188180_141532	NW_004515903.1	Scaffold429	141532	CC	TT	1940450742
SNP_P1_188181_141553	NW_004515903.1	Scaffold429	141553	CC	TT	1940450743
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SNP_P1_188186_144645	NW_004515903.1	Scaffold429	144645	AA	GG	1940450748
SNP_P1_188187_144845	NW_004515903.1	Scaffold429	144845	AA	GG	1940450749
SNP_P1_188188_144852	NW_004515903.1	Scaffold429	144852	GG	TT	1940450750
SNP_P1_188189_146422	NW_004515903.1	Scaffold429	146422	AA	GG	1940450751
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SNP_P1_188198_158623	NW_004515903.1	Scaffold429	158623	AA	CC	1940450760
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SNP_P1_188200_161808	NW_004515903.1	Scaffold429	161808	GG	AA	1940450762
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188204_174378	NW_004515903.1	Scaffold429	174378	AA	TT	1940450765
SNP_P1_188205_174381	NW_004515903.1	Scaffold429	174381	AA	TT	1940450766
SNP_P1_188206_175392	NW_004515903.1	Scaffold429	175392	TT	CC	1940450767
SNP_P1_188207_176597	NW_004515903.1	Scaffold429	176597	AA	GG	1940450768
SNP_P1_188208_176612	NW_004515903.1	Scaffold429	176612	AA	GG	1940450769
SNP_P1_188209_178991	NW_004515903.1	Scaffold429	178991	CC	AA	1940450770
SNP_P1_188210_181400	NW_004515903.1	Scaffold429	181400	TT	GG	1940450771
SNP_P1_188211_181411	NW_004515903.1	Scaffold429	181411	AA	GG	1940450772
SNP_P1_188212_181433	NW_004515903.1	Scaffold429	181433	AA	GG	1940450773
SNP_P1_188213_181805	NW_004515903.1	Scaffold429	181805	GG	AA	1940450774
SNP_P1_188214_181899	NW_004515903.1	Scaffold429	181899	GG	AA	1940450775
SNP_P1_188215_188925	NW_004515903.1	Scaffold429	188925	AA	TT	1940450776
SNP_P1_188216_32	NW_004515904.1	Scaffold430	32	CC	AA	1940450777
SNP_P1_188217_65	NW_004515904.1	Scaffold430	65	TT	CC	1940450778
SNP_P1_188218_912	NW_004515904.1	Scaffold430	912	GG	AA	1940450779
SNP_P1_188219_1985	NW_004515905.1	Scaffold432	1985	TT	AA	1940450780
SNP_P1_188220_2156	NW_004515905.1	Scaffold432	2156	AA	TT	1940450781
SNP_P1_188221_2399	NW_004515905.1	Scaffold432	2399	TT	CC	1940450782
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SNP_P1_188223_2737	NW_004515905.1	Scaffold432	2737	TT	CC	1940450784
SNP_P1_188224_2842	NW_004515905.1	Scaffold432	2842	GG	AA	1940450785
SNP_P1_188225_2995	NW_004515905.1	Scaffold432	2995	GG	AA	1940450786
SNP_P1_188226_4280	NW_004515905.1	Scaffold432	4280	CC	AA	1940450787
SNP_P1_188227_4281	NW_004515905.1	Scaffold432	4281	GG	AA	1940450788
SNP_P1_188228_4423	NW_004515905.1	Scaffold432	4423	AA	TT	1940450789
SNP_P1_188229_4645	NW_004515905.1	Scaffold432	4645	TT	CC	1940450790
SNP_P1_188230_4766	NW_004515905.1	Scaffold432	4766	AA	CC	1940450791
SNP_P1_188231_4816	NW_004515905.1	Scaffold432	4816	TT	CC	1940450792
SNP_P1_188232_4819	NW_004515905.1	Scaffold432	4819	TT	AA	1940450793
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SNP_P1_188234_7435	NW_004515905.1	Scaffold432	7435	AA	CC	1940450795
SNP_P1_188235_7450	NW_004515905.1	Scaffold432	7450	GG	AA	1940450796
SNP_P1_188236_10038	NW_004515905.1	Scaffold432	10038	TT	CC	1940450797
SNP_P1_188237_10948	NW_004515905.1	Scaffold432	10948	GG	TT	1940450798
SNP_P1_188238_14946	NW_004515905.1	Scaffold432	14946	AA	CC	1940450799
SNP_P1_188239_16019	NW_004515905.1	Scaffold432	16019	CC	TT	1940450800
SNP_P1_188240_16039	NW_004515905.1	Scaffold432	16039	TT	AA	1940450801
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SNP_P1_188242_16077	NW_004515905.1	Scaffold432	16077	CC	TT	1940450803
SNP_P1_188243_16142	NW_004515905.1	Scaffold432	16142	AA	TT	1940450804
SNP_P1_188244_16332	NW_004515905.1	Scaffold432	16332	GG	AA	1940450805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188247_16926	NW_004515905.1	Scaffold432	16926	TT	CC	1940450808
SNP_P1_188248_16927	NW_004515905.1	Scaffold432	16927	CC	TT	1940450809
SNP_P1_188249_16937	NW_004515905.1	Scaffold432	16937	TT	CC	1940450810
SNP_P1_188250_17270	NW_004515905.1	Scaffold432	17270	CC	TT	1940450811
SNP_P1_188251_17736	NW_004515905.1	Scaffold432	17736	AA	GG	1940450812
SNP_P1_188252_17835	NW_004515905.1	Scaffold432	17835	AA	TT	1940450813
SNP_P1_188253_17863	NW_004515905.1	Scaffold432	17863	GG	TT	1940450814
SNP_P1_188254_17884	NW_004515905.1	Scaffold432	17884	AA	TT	1940450815
SNP_P1_188255_17908	NW_004515905.1	Scaffold432	17908	AA	CC	1940450816
SNP_P1_188256_17987	NW_004515905.1	Scaffold432	17987	GG	AA	1940450817
SNP_P1_188257_17990	NW_004515905.1	Scaffold432	17990	AA	TT	1940450818
SNP_P1_188258_18085	NW_004515905.1	Scaffold432	18085	AA	TT	1940450819
SNP_P1_188259_18112	NW_004515905.1	Scaffold432	18112	CC	TT	1940450820
SNP_P1_188260_18137	NW_004515905.1	Scaffold432	18137	AA	CC	1940450821
SNP_P1_188261_18149	NW_004515905.1	Scaffold432	18149	CC	TT	1940450822
SNP_P1_188262_18161	NW_004515905.1	Scaffold432	18161	TT	CC	1940450823
SNP_P1_188263_18642	NW_004515905.1	Scaffold432	18642	TT	GG	1940450824
SNP_P1_188264_19070	NW_004515905.1	Scaffold432	19070	AA	TT	1940450825
SNP_P1_188265_19086	NW_004515905.1	Scaffold432	19086	GG	AA	1940450827
SNP_P1_188266_3420	NW_004515906.1	Scaffold433	3420	AA	TT	1940450828
SNP_P1_188267_3876	NW_004515906.1	Scaffold433	3876	AA	GG	1940450829
SNP_P1_188268_4002	NW_004515906.1	Scaffold433	4002	AA	GG	1940450830
SNP_P1_188269_4348	NW_004515906.1	Scaffold433	4348	CC	TT	1940450831
SNP_P1_188270_4880	NW_004515906.1	Scaffold433	4880	TT	CC	1940450832
SNP_P1_188271_7431	NW_004515906.1	Scaffold433	7431	CC	GG	1940450833
SNP_P1_188273_8218	NW_004515906.1	Scaffold433	8218	AA	GG	1940450834
SNP_P1_188275_8869	NW_004515906.1	Scaffold433	8869	GG	AA	1940450835
SNP_P1_188276_10269	NW_004515906.1	Scaffold433	10269	AA	GG	1940450836
SNP_P1_188277_11146	NW_004515906.1	Scaffold433	11146	AA	GG	1940450837
SNP_P1_188278_11703	NW_004515906.1	Scaffold433	11703	AA	TT	1940450838
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SNP_P1_188280_12040	NW_004515906.1	Scaffold433	12040	GG	AA	1940450840
SNP_P1_188281_12226	NW_004515906.1	Scaffold433	12226	CC	TT	1940450841
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SNP_P1_188283_12395	NW_004515906.1	Scaffold433	12395	AA	GG	1940450843
SNP_P1_188284_12401	NW_004515906.1	Scaffold433	12401	AA	GG	1940450844
SNP_P1_188285_12521	NW_004515906.1	Scaffold433	12521	CC	GG	1940450845
SNP_P1_188286_13070	NW_004515906.1	Scaffold433	13070	GG	TT	1940450846
SNP_P1_188288_15289	NW_004515906.1	Scaffold433	15289	AA	CC	1940450847
SNP_P1_188289_15372	NW_004515906.1	Scaffold433	15372	AA	GG	1940450848

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188291_16129	NW_004515906.1	Scaffold433	16129	TT	CC	1940450850
SNP_P1_188292_16131	NW_004515906.1	Scaffold433	16131	TT	CC	1940450851
SNP_P1_188294_16757	NW_004515906.1	Scaffold433	16757	CC	TT	1940450852
SNP_P1_188295_16923	NW_004515906.1	Scaffold433	16923	CC	TT	1940450853
SNP_P1_188296_17252	NW_004515906.1	Scaffold433	17252	CC	GG	1940450854
SNP_P1_188297_17276	NW_004515906.1	Scaffold433	17276	GG	CC	1940450855
SNP_P1_188299_18970	NW_004515906.1	Scaffold433	18970	AA	CC	1940450856
SNP_P1_188301_20583	NW_004515906.1	Scaffold433	20583	GG	TT	1940450857
SNP_P1_188302_21871	NW_004515906.1	Scaffold433	21871	GG	CC	1940450858
SNP_P1_188303_22435	NW_004515906.1	Scaffold433	22435	GG	TT	1940450859
SNP_P1_188304_23814	NW_004515906.1	Scaffold433	23814	CC	TT	1940450860
SNP_P1_188305_24003	NW_004515906.1	Scaffold433	24003	TT	CC	1940450861
SNP_P1_188306_25289	NW_004515906.1	Scaffold433	25289	CC	GG	1940450862
SNP_P1_188307_25290	NW_004515906.1	Scaffold433	25290	AA	TT	1940450863
SNP_P1_188308_25868	NW_004515906.1	Scaffold433	25868	GG	AA	1940450864
SNP_P1_188309_26446	NW_004515906.1	Scaffold433	26446	AA	GG	1940450865
SNP_P1_188310_27616	NW_004515906.1	Scaffold433	27616	GG	AA	1940450866
SNP_P1_188311_27934	NW_004515906.1	Scaffold433	27934	TT	GG	1940450867
SNP_P1_188312_29088	NW_004515906.1	Scaffold433	29088	GG	AA	1940450868
SNP_P1_188313_29095	NW_004515906.1	Scaffold433	29095	TT	CC	1940450869
SNP_P1_188314_29106	NW_004515906.1	Scaffold433	29106	TT	AA	1940450870
SNP_P1_188315_29111	NW_004515906.1	Scaffold433	29111	AA	GG	1940450871
SNP_P1_188316_29170	NW_004515906.1	Scaffold433	29170	TT	AA	1940450872
SNP_P1_188317_29199	NW_004515906.1	Scaffold433	29199	CC	TT	1940450873
SNP_P1_188318_29222	NW_004515906.1	Scaffold433	29222	CC	GG	1940450874
SNP_P1_188319_29239	NW_004515906.1	Scaffold433	29239	GG	TT	1940450875
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SNP_P1_188327_29427	NW_004515906.1	Scaffold433	29427	CC	TT	1940450883
SNP_P1_188328_29580	NW_004515906.1	Scaffold433	29580	GG	TT	1940450884
SNP_P1_188329_29612	NW_004515906.1	Scaffold433	29612	TT	GG	1940450885
SNP_P1_188330_29951	NW_004515906.1	Scaffold433	29951	AA	GG	1940450886
SNP_P1_188331_32245	NW_004515906.1	Scaffold433	32245	GG	AA	1940450887
SNP_P1_188332_32296	NW_004515906.1	Scaffold433	32296	AA	GG	1940450888
SNP_P1_188333_32584	NW_004515906.1	Scaffold433	32584	TT	CC	1940450889
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SNP_P1_188337_36072	NW_004515906.1	Scaffold433	36072	CC	AA	1940450892
SNP_P1_188338_36086	NW_004515906.1	Scaffold433	36086	GG	AA	1940450893
SNP_P1_188339_36179	NW_004515906.1	Scaffold433	36179	CC	AA	1940450894
SNP_P1_188340_36189	NW_004515906.1	Scaffold433	36189	TT	AA	1940450895
SNP_P1_188343_52324	NW_004515906.1	Scaffold433	52324	CC	GG	1940450896
SNP_P1_188344_54094	NW_004515906.1	Scaffold433	54094	GG	AA	1940450897
SNP_P1_188345_54278	NW_004515906.1	Scaffold433	54278	AA	CC	1940450898
SNP_P1_188346_55750	NW_004515906.1	Scaffold433	55750	TT	CC	1940450899
SNP_P1_188347_56145	NW_004515906.1	Scaffold433	56145	GG	AA	1940450900
SNP_P1_188348_56344	NW_004515906.1	Scaffold433	56344	AA	GG	1940450901
SNP_P1_188349_56398	NW_004515906.1	Scaffold433	56398	CC	AA	1940450902
SNP_P1_188351_59478	NW_004515906.1	Scaffold433	59478	AA	GG	1940450903
SNP_P1_188352_59667	NW_004515906.1	Scaffold433	59667	TT	AA	1940450904
SNP_P1_188354_60146	NW_004515906.1	Scaffold433	60146	CC	TT	1940450905
SNP_P1_188358_63851	NW_004515906.1	Scaffold433	63851	TT	AA	1940450906
SNP_P1_188359_63880	NW_004515906.1	Scaffold433	63880	CC	TT	1940450907
SNP_P1_188360_63914	NW_004515906.1	Scaffold433	63914	AA	CC	1940450908
SNP_P1_188362_64406	NW_004515906.1	Scaffold433	64406	TT	AA	1940450909
SNP_P1_188363_64485	NW_004515906.1	Scaffold433	64485	TT	AA	1940450910
SNP_P1_188364_65255	NW_004515906.1	Scaffold433	65255	GG	CC	1940450911
SNP_P1_188365_66968	NW_004515906.1	Scaffold433	66968	TT	AA	1940450912
SNP_P1_188366_67102	NW_004515906.1	Scaffold433	67102	AA	TT	1940450913
SNP_P1_188367_67281	NW_004515906.1	Scaffold433	67281	TT	CC	1940450914
SNP_P1_188368_67329	NW_004515906.1	Scaffold433	67329	GG	TT	1940450915
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SNP_P1_188370_70069	NW_004515906.1	Scaffold433	70069	AA	GG	1940450917
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SNP_P1_188372_70710	NW_004515906.1	Scaffold433	70710	GG	TT	1940450919
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SNP_P1_188375_71677	NW_004515906.1	Scaffold433	71677	CC	TT	1940450921
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SNP_P1_188381_76361	NW_004515906.1	Scaffold433	76361	TT	CC	1940450925
SNP_P1_188382_76394	NW_004515906.1	Scaffold433	76394	AA	GG	1940450926
SNP_P1_188383_76397	NW_004515906.1	Scaffold433	76397	AA	TT	1940450927
SNP_P1_188384_77286	NW_004515906.1	Scaffold433	77286	GG	TT	1940450928
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SNP_P1_188386_86242	NW_004515906.1	Scaffold433	86242	AA	GG	1940450930
SNP_P1_188388_86476	NW_004515906.1	Scaffold433	86476	AA	GG	1940450931
SNP_P1_188389_86715	NW_004515906.1	Scaffold433	86715	CC	TT	1940450932

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SNP_P1_188395_96248	NW_004515906.1	Scaffold433	96248	TT	GG	1940450936
SNP_P1_188397_99329	NW_004515906.1	Scaffold433	99329	AA	GG	1940450937
SNP_P1_188398_101252	NW_004515906.1	Scaffold433	101252	AA	CC	1940450938
SNP_P1_188399_101493	NW_004515906.1	Scaffold433	101493	TT	CC	1940450939
SNP_P1_188400_102776	NW_004515906.1	Scaffold433	102776	TT	CC	1940450940
SNP_P1_188401_104333	NW_004515906.1	Scaffold433	104333	CC	AA	1940450941
SNP_P1_188402_104578	NW_004515906.1	Scaffold433	104578	AA	GG	1940450942
SNP_P1_188403_104609	NW_004515906.1	Scaffold433	104609	TT	GG	1940450943
SNP_P1_188404_105907	NW_004515906.1	Scaffold433	105907	GG	AA	1940450944
SNP_P1_188405_106326	NW_004515906.1	Scaffold433	106326	TT	CC	1940450945
SNP_P1_188406_106332	NW_004515906.1	Scaffold433	106332	CC	TT	1940450946
SNP_P1_188407_110210	NW_004515906.1	Scaffold433	110210	TT	GG	1940450947
SNP_P1_188408_110317	NW_004515906.1	Scaffold433	110317	CC	TT	1940450948
SNP_P1_188409_110382	NW_004515906.1	Scaffold433	110382	AA	CC	1940450949
SNP_P1_188410_110957	NW_004515906.1	Scaffold433	110957	TT	GG	1940450950
SNP_P1_188411_112624	NW_004515906.1	Scaffold433	112624	CC	TT	1940450951
SNP_P1_188412_113434	NW_004515906.1	Scaffold433	113434	AA	TT	1940450952
SNP_P1_188413_116081	NW_004515906.1	Scaffold433	116081	AA	TT	1940450953
SNP_P1_188414_120077	NW_004515906.1	Scaffold433	120077	CC	TT	1940450954
SNP_P1_188415_120635	NW_004515906.1	Scaffold433	120635	CC	TT	1940450955
SNP_P1_188416_127206	NW_004515906.1	Scaffold433	127206	AA	GG	1940450956
SNP_P1_188417_127238	NW_004515906.1	Scaffold433	127238	GG	TT	1940450957
SNP_P1_188418_127271	NW_004515906.1	Scaffold433	127271	AA	GG	1940450958
SNP_P1_188420_129103	NW_004515906.1	Scaffold433	129103	TT	CC	1940450959
SNP_P1_188421_129884	NW_004515906.1	Scaffold433	129884	AA	CC	1940450960
SNP_P1_188422_130223	NW_004515906.1	Scaffold433	130223	GG	TT	1940450961
SNP_P1_188423_132611	NW_004515906.1	Scaffold433	132611	AA	GG	1940450962
SNP_P1_188424_132808	NW_004515906.1	Scaffold433	132808	CC	AA	1940450963
SNP_P1_188425_132817	NW_004515906.1	Scaffold433	132817	GG	CC	1940450964
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SNP_P1_188427_132884	NW_004515906.1	Scaffold433	132884	GG	TT	1940450966
SNP_P1_188428_132920	NW_004515906.1	Scaffold433	132920	AA	GG	1940450967
SNP_P1_188429_141002	NW_004515906.1	Scaffold433	141002	CC	AA	1940450968
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SNP_P1_188431_141273	NW_004515906.1	Scaffold433	141273	CC	TT	1940450970
SNP_P1_188432_141599	NW_004515906.1	Scaffold433	141599	GG	TT	1940450971
SNP_P1_188433_142398	NW_004515906.1	Scaffold433	142398	GG	AA	1940450972
SNP_P1_188434_142406	NW_004515906.1	Scaffold433	142406	TT	AA	1940450973
SNP_P1_188435_142614	NW_004515906.1	Scaffold433	142614	CC	TT	1940450974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188437_142744	NW_004515906.1	Scaffold433	142744	TT	CC	1940450977
SNP_P1_188439_143937	NW_004515906.1	Scaffold433	143937	CC	TT	1940450978
SNP_P1_188440_143964	NW_004515906.1	Scaffold433	143964	GG	AA	1940450979
SNP_P1_188441_144209	NW_004515906.1	Scaffold433	144209	GG	TT	1940450980
SNP_P1_188444_145218	NW_004515906.1	Scaffold433	145218	AA	CC	1940450981
SNP_P1_188447_146212	NW_004515906.1	Scaffold433	146212	CC	GG	1940450982
SNP_P1_188448_146566	NW_004515906.1	Scaffold433	146566	AA	TT	1940450983
SNP_P1_188449_146777	NW_004515906.1	Scaffold433	146777	CC	TT	1940450984
SNP_P1_188452_147298	NW_004515906.1	Scaffold433	147298	AA	CC	1940450985
SNP_P1_188453_147516	NW_004515906.1	Scaffold433	147516	TT	AA	1940450986
SNP_P1_188455_148222	NW_004515906.1	Scaffold433	148222	TT	AA	1940450987
SNP_P1_188456_148544	NW_004515906.1	Scaffold433	148544	CC	TT	1940450988
SNP_P1_188457_148608	NW_004515906.1	Scaffold433	148608	TT	CC	1940450989
SNP_P1_188458_149115	NW_004515906.1	Scaffold433	149115	CC	TT	1940450990
SNP_P1_188459_149160	NW_004515906.1	Scaffold433	149160	AA	GG	1940450991
SNP_P1_188460_149199	NW_004515906.1	Scaffold433	149199	TT	CC	1940450992
SNP_P1_188461_149495	NW_004515906.1	Scaffold433	149495	CC	TT	1940450993
SNP_P1_188462_150566	NW_004515906.1	Scaffold433	150566	TT	CC	1940450994
SNP_P1_188463_150587	NW_004515906.1	Scaffold433	150587	CC	TT	1940450995
SNP_P1_188464_150765	NW_004515906.1	Scaffold433	150765	GG	CC	1940450996
SNP_P1_188465_151689	NW_004515906.1	Scaffold433	151689	CC	AA	1940450997
SNP_P1_188466_151690	NW_004515906.1	Scaffold433	151690	AA	GG	1940450998
SNP_P1_188467_151715	NW_004515906.1	Scaffold433	151715	AA	GG	1940450999
SNP_P1_188468_151740	NW_004515906.1	Scaffold433	151740	TT	CC	1940451000
SNP_P1_188469_151766	NW_004515906.1	Scaffold433	151766	CC	TT	1940451001
SNP_P1_188470_152072	NW_004515906.1	Scaffold433	152072	GG	AA	1940451002
SNP_P1_188471_152091	NW_004515906.1	Scaffold433	152091	CC	TT	1940451003
SNP_P1_188472_152176	NW_004515906.1	Scaffold433	152176	GG	AA	1940451004
SNP_P1_188473_152208	NW_004515906.1	Scaffold433	152208	CC	TT	1940451005
SNP_P1_188474_152212	NW_004515906.1	Scaffold433	152212	AA	GG	1940451006
SNP_P1_188475_152427	NW_004515906.1	Scaffold433	152427	GG	AA	1940451007
SNP_P1_188476_152477	NW_004515906.1	Scaffold433	152477	AA	GG	1940451008
SNP_P1_188477_152492	NW_004515906.1	Scaffold433	152492	GG	AA	1940451009
SNP_P1_188478_152499	NW_004515906.1	Scaffold433	152499	CC	AA	1940451010
SNP_P1_188479_152513	NW_004515906.1	Scaffold433	152513	GG	AA	1940451011
SNP_P1_188480_152563	NW_004515906.1	Scaffold433	152563	CC	TT	1940451012
SNP_P1_188481_153310	NW_004515906.1	Scaffold433	153310	TT	CC	1940451013
SNP_P1_188482_153373	NW_004515906.1	Scaffold433	153373	AA	CC	1940451014
SNP_P1_188483_153431	NW_004515906.1	Scaffold433	153431	GG	AA	1940451015
SNP_P1_188484_153793	NW_004515906.1	Scaffold433	153793	TT	CC	1940451016
SNP_P1_188485_155246	NW_004515906.1	Scaffold433	155246	CC	TT	1940451017

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188487_155405	NW_004515906.1	Scaffold433	155405	AA	GG	1940451019
SNP_P1_188488_155414	NW_004515906.1	Scaffold433	155414	CC	GG	1940451020
SNP_P1_188489_155432	NW_004515906.1	Scaffold433	155432	CC	TT	1940451021
SNP_P1_188490_155470	NW_004515906.1	Scaffold433	155470	TT	CC	1940451022
SNP_P1_188491_155483	NW_004515906.1	Scaffold433	155483	AA	GG	1940451023
SNP_P1_188492_155490	NW_004515906.1	Scaffold433	155490	TT	CC	1940451024
SNP_P1_188493_155506	NW_004515906.1	Scaffold433	155506	AA	TT	1940451025
SNP_P1_188494_155519	NW_004515906.1	Scaffold433	155519	AA	GG	1940451026
SNP_P1_188495_155536	NW_004515906.1	Scaffold433	155536	AA	GG	1940451027
SNP_P1_188496_155829	NW_004515906.1	Scaffold433	155829	CC	GG	1940451028
SNP_P1_188497_157391	NW_004515906.1	Scaffold433	157391	CC	AA	1940451029
SNP_P1_188498_157514	NW_004515906.1	Scaffold433	157514	TT	CC	1940451030
SNP_P1_188499_157529	NW_004515906.1	Scaffold433	157529	CC	GG	1940451031
SNP_P1_188500_157531	NW_004515906.1	Scaffold433	157531	TT	CC	1940451032
SNP_P1_188502_157701	NW_004515906.1	Scaffold433	157701	CC	TT	1940451033
SNP_P1_188503_157730	NW_004515906.1	Scaffold433	157730	AA	CC	1940451034
SNP_P1_188504_158035	NW_004515906.1	Scaffold433	158035	AA	CC	1940451035
SNP_P1_188505_158112	NW_004515906.1	Scaffold433	158112	GG	AA	1940451036
SNP_P1_188506_158200	NW_004515906.1	Scaffold433	158200	TT	CC	1940451037
SNP_P1_188507_158206	NW_004515906.1	Scaffold433	158206	AA	GG	1940451038
SNP_P1_188508_158404	NW_004515906.1	Scaffold433	158404	TT	CC	1940451039
SNP_P1_188509_158426	NW_004515906.1	Scaffold433	158426	TT	CC	1940451040
SNP_P1_188510_158441	NW_004515906.1	Scaffold433	158441	CC	TT	1940451041
SNP_P1_188511_158633	NW_004515906.1	Scaffold433	158633	TT	AA	1940451042
SNP_P1_188513_158691	NW_004515906.1	Scaffold433	158691	TT	CC	1940451043
SNP_P1_188514_158735	NW_004515906.1	Scaffold433	158735	AA	TT	1940451044
SNP_P1_188515_158747	NW_004515906.1	Scaffold433	158747	TT	CC	1940451045
SNP_P1_188516_159785	NW_004515906.1	Scaffold433	159785	GG	AA	1940451046
SNP_P1_188517_159786	NW_004515906.1	Scaffold433	159786	TT	CC	1940451047
SNP_P1_188518_159795	NW_004515906.1	Scaffold433	159795	AA	CC	1940451048
SNP_P1_188519_159817	NW_004515906.1	Scaffold433	159817	TT	AA	1940451049
SNP_P1_188520_160048	NW_004515906.1	Scaffold433	160048	CC	GG	1940451050
SNP_P1_188521_160104	NW_004515906.1	Scaffold433	160104	TT	AA	1940451051
SNP_P1_188522_160199	NW_004515906.1	Scaffold433	160199	AA	TT	1940451052
SNP_P1_188523_160211	NW_004515906.1	Scaffold433	160211	TT	AA	1940451053
SNP_P1_188524_161368	NW_004515906.1	Scaffold433	161368	GG	AA	1940451054
SNP_P1_188525_161434	NW_004515906.1	Scaffold433	161434	GG	AA	1940451055
SNP_P1_188527_161513	NW_004515906.1	Scaffold433	161513	CC	AA	1940451056
SNP_P1_188528_161610	NW_004515906.1	Scaffold433	161610	GG	AA	1940451057
SNP_P1_188529_162012	NW_004515906.1	Scaffold433	162012	CC	TT	1940451058
SNP_P1_188530_162252	NW_004515906.1	Scaffold433	162252	TT	CC	1940451059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188532_162356	NW_004515906.1	Scaffold433	162356	AA	TT	1940451061
SNP_P1_188533_163812	NW_004515906.1	Scaffold433	163812	GG	AA	1940451062
SNP_P1_188534_164438	NW_004515906.1	Scaffold433	164438	GG	CC	1940451063
SNP_P1_188535_165686	NW_004515906.1	Scaffold433	165686	AA	GG	1940451064
SNP_P1_188536_165746	NW_004515906.1	Scaffold433	165746	CC	TT	1940451065
SNP_P1_188537_165757	NW_004515906.1	Scaffold433	165757	GG	AA	1940451066
SNP_P1_188538_165760	NW_004515906.1	Scaffold433	165760	AA	CC	1940451067
SNP_P1_188539_165765	NW_004515906.1	Scaffold433	165765	AA	CC	1940451068
SNP_P1_188540_165876	NW_004515906.1	Scaffold433	165876	CC	TT	1940451069
SNP_P1_188541_165888	NW_004515906.1	Scaffold433	165888	TT	CC	1940451070
SNP_P1_188542_165900	NW_004515906.1	Scaffold433	165900	TT	CC	1940451071
SNP_P1_188545_166362	NW_004515906.1	Scaffold433	166362	GG	AA	1940451072
SNP_P1_188546_166366	NW_004515906.1	Scaffold433	166366	CC	AA	1940451073
SNP_P1_188547_166369	NW_004515906.1	Scaffold433	166369	GG	CC	1940451074
SNP_P1_188548_166437	NW_004515906.1	Scaffold433	166437	GG	AA	1940451075
SNP_P1_188549_166595	NW_004515906.1	Scaffold433	166595	CC	TT	1940451076
SNP_P1_188550_166624	NW_004515906.1	Scaffold433	166624	GG	AA	1940451077
SNP_P1_188551_166648	NW_004515906.1	Scaffold433	166648	GG	AA	1940451078
SNP_P1_188552_166672	NW_004515906.1	Scaffold433	166672	TT	CC	1940451079
SNP_P1_188553_166676	NW_004515906.1	Scaffold433	166676	TT	GG	1940451080
SNP_P1_188554_166739	NW_004515906.1	Scaffold433	166739	GG	AA	1940451081
SNP_P1_188555_166798	NW_004515906.1	Scaffold433	166798	GG	TT	1940451082
SNP_P1_188557_167857	NW_004515906.1	Scaffold433	167857	CC	TT	1940451083
SNP_P1_188558_168110	NW_004515906.1	Scaffold433	168110	AA	GG	1940451084
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SNP_P1_188560_168937	NW_004515906.1	Scaffold433	168937	AA	GG	1940451086
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SNP_P1_188562_169025	NW_004515906.1	Scaffold433	169025	GG	AA	1940451088
SNP_P1_188563_169187	NW_004515906.1	Scaffold433	169187	TT	CC	1940451089
SNP_P1_188564_169334	NW_004515906.1	Scaffold433	169334	CC	GG	1940451090
SNP_P1_188565_169461	NW_004515906.1	Scaffold433	169461	AA	GG	1940451091
SNP_P1_188567_169505	NW_004515906.1	Scaffold433	169505	GG	AA	1940451092
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SNP_P1_188569_169528	NW_004515906.1	Scaffold433	169528	GG	TT	1940451094
SNP_P1_188570_169851	NW_004515906.1	Scaffold433	169851	CC	GG	1940451095
SNP_P1_188571_2028	NW_004515908.1	Scaffold435	2028	GG	AA	1940451096
SNP_P1_188572_6072	NW_004515908.1	Scaffold435	6072	GG	AA	1940451097
SNP_P1_188574_13915	NW_004515908.1	Scaffold435	13915	TT	AA	1940451098
SNP_P1_188575_14403	NW_004515908.1	Scaffold435	14403	AA	GG	1940451099
SNP_P1_188577_27670	NW_004515908.1	Scaffold435	27670	CC	TT	1940451100
SNP_P1_188578_40898	NW_004515908.1	Scaffold435	40898	AA	GG	1940451101

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188580_50123	NW_004515908.1	Scaffold435	50123	TT	CC	1940451103
SNP_P1_188581_50124	NW_004515908.1	Scaffold435	50124	TT	AA	1940451104
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SNP_P1_188583_68952	NW_004515908.1	Scaffold435	68952	GG	AA	1940451106
SNP_P1_188584_68979	NW_004515908.1	Scaffold435	68979	AA	CC	1940451107
SNP_P1_188585_68995	NW_004515908.1	Scaffold435	68995	CC	AA	1940451108
SNP_P1_188586_77244	NW_004515908.1	Scaffold435	77244	GG	TT	1940451109
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SNP_P1_188588_89041	NW_004515908.1	Scaffold435	89041	TT	AA	1940451111
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SNP_P1_188590_107078	NW_004515908.1	Scaffold435	107078	GG	AA	1940451113
SNP_P1_188591_108125	NW_004515908.1	Scaffold435	108125	CC	TT	1940451114
SNP_P1_188592_108961	NW_004515908.1	Scaffold435	108961	TT	GG	1940451115
SNP_P1_188593_109050	NW_004515908.1	Scaffold435	109050	TT	CC	1940451116
SNP_P1_188594_109064	NW_004515908.1	Scaffold435	109064	CC	TT	1940451117
SNP_P1_188595_109108	NW_004515908.1	Scaffold435	109108	CC	TT	1940451118
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SNP_P1_188598_109152	NW_004515908.1	Scaffold435	109152	AA	GG	1940451121
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SNP_P1_188604_109438	NW_004515908.1	Scaffold435	109438	CC	AA	1940451127
SNP_P1_188605_109503	NW_004515908.1	Scaffold435	109503	CC	AA	1940451128
SNP_P1_188606_118079	NW_004515908.1	Scaffold435	118079	AA	GG	1940451129
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SNP_P1_188610_1306	NW_004515909.1	Scaffold436	1306	AA	TT	1940451133
SNP_P1_188611_1322	NW_004515909.1	Scaffold436	1322	GG	TT	1940451134
SNP_P1_188612_1552	NW_004515909.1	Scaffold436	1552	CC	TT	1940451135
SNP_P1_188613_1685	NW_004515909.1	Scaffold436	1685	AA	TT	1940451136
SNP_P1_188614_2290	NW_004515909.1	Scaffold436	2290	GG	TT	1940451137
SNP_P1_188615_2302	NW_004515909.1	Scaffold436	2302	AA	TT	1940451138
SNP_P1_188616_2311	NW_004515909.1	Scaffold436	2311	AA	TT	1940451139
SNP_P1_188617_2314	NW_004515909.1	Scaffold436	2314	AA	TT	1940451140
SNP_P1_188618_2363	NW_004515909.1	Scaffold436	2363	GG	AA	1940451141
SNP_P1_188619_2371	NW_004515909.1	Scaffold436	2371	TT	CC	1940451142
SNP_P1_188620_2423	NW_004515909.1	Scaffold436	2423	GG	AA	1940451143
SNP_P1_188621_2431	NW_004515909.1	Scaffold436	2431	TT	CC	1940451144

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_188622_2446	NW_004515909.1	Scaffold436	2446	TT	GG	1940451146
SNP_P1_188623_2495	NW_004515909.1	Scaffold436	2495	TT	AA	1940451147
SNP_P1_188624_2697	NW_004515909.1	Scaffold436	2697	AA	TT	1940451148
SNP_P1_188625_2720	NW_004515909.1	Scaffold436	2720	CC	TT	1940451149
SNP_P1_188626_2807	NW_004515909.1	Scaffold436	2807	TT	GG	1940451150
SNP_P1_188627_2816	NW_004515909.1	Scaffold436	2816	AA	GG	1940451151
SNP_P1_188628_2880	NW_004515909.1	Scaffold436	2880	TT	AA	1940451152
SNP_P1_188629_3845	NW_004515909.1	Scaffold436	3845	GG	AA	1940451153
SNP_P1_188630_4498	NW_004515909.1	Scaffold436	4498	AA	TT	1940451154
SNP_P1_188631_4507	NW_004515909.1	Scaffold436	4507	GG	AA	1940451155
SNP_P1_188632_5589	NW_004515909.1	Scaffold436	5589	GG	AA	1940451156
SNP_P1_188633_5694	NW_004515909.1	Scaffold436	5694	TT	CC	1940451157
SNP_P1_188634_5935	NW_004515909.1	Scaffold436	5935	AA	GG	1940451158
SNP_P1_188635_5991	NW_004515909.1	Scaffold436	5991	GG	AA	1940451159
SNP_P1_188636_6039	NW_004515909.1	Scaffold436	6039	GG	AA	1940451160
SNP_P1_188637_6066	NW_004515909.1	Scaffold436	6066	TT	AA	1940451161
SNP_P1_188638_9586	NW_004515909.1	Scaffold436	9586	CC	GG	1940451162
SNP_P1_188639_9589	NW_004515909.1	Scaffold436	9589	CC	TT	1940451163
SNP_P1_188640_9630	NW_004515909.1	Scaffold436	9630	GG	AA	1940451164
SNP_P1_188641_9879	NW_004515909.1	Scaffold436	9879	TT	CC	1940451165
SNP_P1_188642_9910	NW_004515909.1	Scaffold436	9910	TT	AA	1940451166
SNP_P1_188643_9930	NW_004515909.1	Scaffold436	9930	GG	CC	1940451167
SNP_P1_188644_9938	NW_004515909.1	Scaffold436	9938	TT	CC	1940451168
SNP_P1_188645_10241	NW_004515909.1	Scaffold436	10241	AA	GG	1940451169
SNP_P1_188646_10318	NW_004515909.1	Scaffold436	10318	CC	GG	1940451170
SNP_P1_188647_10319	NW_004515909.1	Scaffold436	10319	CC	TT	1940451171
SNP_P1_188648_19862	NW_004515909.1	Scaffold436	19862	GG	AA	1940451172
SNP_P1_188649_20165	NW_004515909.1	Scaffold436	20165	AA	TT	1940451173
SNP_P1_188650_20828	NW_004515909.1	Scaffold436	20828	AA	GG	1940451174
SNP_P1_188651_20844	NW_004515909.1	Scaffold436	20844	CC	GG	1940451175
SNP_P1_188652_20845	NW_004515909.1	Scaffold436	20845	TT	GG	1940451176
SNP_P1_188654_34132	NW_004515909.1	Scaffold436	34132	CC	TT	1940451177
SNP_P1_188655_35255	NW_004515909.1	Scaffold436	35255	AA	GG	1940451178
SNP_P1_188656_35258	NW_004515909.1	Scaffold436	35258	TT	CC	1940451179
SNP_P1_188657_37655	NW_004515909.1	Scaffold436	37655	CC	TT	1940451180
SNP_P1_188658_37983	NW_004515909.1	Scaffold436	37983	AA	CC	1940451181
SNP_P1_188659_38060	NW_004515909.1	Scaffold436	38060	GG	AA	1940451182
SNP_P1_188660_38067	NW_004515909.1	Scaffold436	38067	TT	GG	1940451183
SNP_P1_188661_48947	NW_004515909.1	Scaffold436	48947	AA	GG	1940451184
SNP_P1_188662_51632	NW_004515909.1	Scaffold436	51632	TT	AA	1940451185
SNP_P1_188663_51844	NW_004515909.1	Scaffold436	51844	CC	GG	1940451186
SNP_P1_188664_56575	NW_004515909.1	Scaffold436	56575	GG	AA	1940451187

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188666_59609	NW_004515909.1	Scaffold436	59609	TT	CC	1940451189
SNP_P1_188667_67123	NW_004515909.1	Scaffold436	67123	AA	GG	1940451190
SNP_P1_188668_67130	NW_004515909.1	Scaffold436	67130	TT	AA	1940451191
SNP_P1_188670_67153	NW_004515909.1	Scaffold436	67153	GG	AA	1940451192
SNP_P1_188672_69841	NW_004515909.1	Scaffold436	69841	GG	AA	1940451193
SNP_P1_188673_72578	NW_004515909.1	Scaffold436	72578	CC	AA	1940451194
SNP_P1_188674_73566	NW_004515909.1	Scaffold436	73566	CC	TT	1940451195
SNP_P1_188675_74019	NW_004515909.1	Scaffold436	74019	CC	TT	1940451196
SNP_P1_188676_74081	NW_004515909.1	Scaffold436	74081	TT	AA	1940451197
SNP_P1_188677_74161	NW_004515909.1	Scaffold436	74161	GG	TT	1940451198
SNP_P1_188678_57	NW_004515910.1	Scaffold437	57	GG	CC	1940451199
SNP_P1_188680_2022	NW_004515910.1	Scaffold437	2022	AA	CC	1940451200
SNP_P1_188681_2040	NW_004515910.1	Scaffold437	2040	AA	TT	1940451201
SNP_P1_188682_2113	NW_004515910.1	Scaffold437	2113	TT	GG	1940451202
SNP_P1_188683_2472	NW_004515910.1	Scaffold437	2472	TT	AA	1940451203
SNP_P1_188685_2864	NW_004515910.1	Scaffold437	2864	AA	CC	1940451204
SNP_P1_188686_3005	NW_004515910.1	Scaffold437	3005	CC	AA	1940451205
SNP_P1_188687_3046	NW_004515910.1	Scaffold437	3046	TT	CC	1940451206
SNP_P1_188688_3065	NW_004515910.1	Scaffold437	3065	CC	TT	1940451207
SNP_P1_188689_3069	NW_004515910.1	Scaffold437	3069	CC	TT	1940451208
SNP_P1_188690_3076	NW_004515910.1	Scaffold437	3076	AA	GG	1940451209
SNP_P1_188691_3975	NW_004515910.1	Scaffold437	3975	CC	TT	1940451210
SNP_P1_188692_4086	NW_004515910.1	Scaffold437	4086	AA	GG	1940451211
SNP_P1_188693_4090	NW_004515910.1	Scaffold437	4090	TT	AA	1940451212
SNP_P1_188694_4101	NW_004515910.1	Scaffold437	4101	TT	AA	1940451213
SNP_P1_188695_4103	NW_004515910.1	Scaffold437	4103	TT	CC	1940451214
SNP_P1_188696_4119	NW_004515910.1	Scaffold437	4119	TT	CC	1940451215
SNP_P1_188697_4209	NW_004515910.1	Scaffold437	4209	AA	GG	1940451216
SNP_P1_188698_4537	NW_004515910.1	Scaffold437	4537	GG	AA	1940451217
SNP_P1_188699_4557	NW_004515910.1	Scaffold437	4557	TT	GG	1940451218
SNP_P1_188700_4569	NW_004515910.1	Scaffold437	4569	AA	GG	1940451219
SNP_P1_188701_4619	NW_004515910.1	Scaffold437	4619	TT	CC	1940451220
SNP_P1_188702_4688	NW_004515910.1	Scaffold437	4688	TT	CC	1940451221
SNP_P1_188703_4725	NW_004515910.1	Scaffold437	4725	CC	AA	1940451222
SNP_P1_188704_4737	NW_004515910.1	Scaffold437	4737	AA	TT	1940451223
SNP_P1_188705_4767	NW_004515910.1	Scaffold437	4767	CC	GG	1940451224
SNP_P1_188706_4801	NW_004515910.1	Scaffold437	4801	CC	AA	1940451225
SNP_P1_188707_5125	NW_004515910.1	Scaffold437	5125	AA	CC	1940451226
SNP_P1_188708_5603	NW_004515910.1	Scaffold437	5603	GG	AA	1940451227
SNP_P1_188709_6551	NW_004515910.1	Scaffold437	6551	GG	AA	1940451228
SNP_P1_188710_10337	NW_004515910.1	Scaffold437	10337	GG	CC	1940451229

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_188712_13473	NW_004515910.1	Scaffold437	13473	GG	AA	1940451230
SNP_P1_188713_19539	NW_004515910.1	Scaffold437	19539	AA	CC	1940451231
SNP_P1_188714_19575	NW_004515910.1	Scaffold437	19575	GG	AA	1940451232
SNP_P1_188715_19586	NW_004515910.1	Scaffold437	19586	CC	TT	1940451233
SNP_P1_188716_21131	NW_004515910.1	Scaffold437	21131	AA	GG	1940451234
SNP_P1_188717_22193	NW_004515910.1	Scaffold437	22193	GG	AA	1940451235
SNP_P1_188718_24504	NW_004515910.1	Scaffold437	24504	TT	CC	1940451236
SNP_P1_188719_24516	NW_004515910.1	Scaffold437	24516	GG	AA	1940451237
SNP_P1_188720_26615	NW_004515910.1	Scaffold437	26615	GG	AA	1940451238
SNP_P1_188721_26616	NW_004515910.1	Scaffold437	26616	AA	CC	1940451239
SNP_P1_188722_27208	NW_004515910.1	Scaffold437	27208	GG	AA	1940451240
SNP_P1_188723_28163	NW_004515910.1	Scaffold437	28163	CC	AA	1940451241
SNP_P1_188724_28236	NW_004515910.1	Scaffold437	28236	TT	AA	1940451242
SNP_P1_188725_28280	NW_004515910.1	Scaffold437	28280	TT	AA	1940451243
SNP_P1_188726_28283	NW_004515910.1	Scaffold437	28283	TT	AA	1940451244
SNP_P1_188727_28403	NW_004515910.1	Scaffold437	28403	TT	AA	1940451245
SNP_P1_188728_28618	NW_004515910.1	Scaffold437	28618	GG	AA	1940451246
SNP_P1_188729_28623	NW_004515910.1	Scaffold437	28623	GG	AA	1940451247
SNP_P1_188730_28640	NW_004515910.1	Scaffold437	28640	GG	AA	1940451248
SNP_P1_188731_30878	NW_004515910.1	Scaffold437	30878	AA	GG	1940451249
SNP_P1_188732_30934	NW_004515910.1	Scaffold437	30934	AA	TT	1940451250
SNP_P1_188733_34868	NW_004515910.1	Scaffold437	34868	CC	AA	1940451251
SNP_P1_188734_34869	NW_004515910.1	Scaffold437	34869	AA	TT	1940451252
SNP_P1_188735_34870	NW_004515910.1	Scaffold437	34870	TT	AA	1940451253
SNP_P1_188736_34962	NW_004515910.1	Scaffold437	34962	TT	CC	1940451254
SNP_P1_188737_34963	NW_004515910.1	Scaffold437	34963	CC	AA	1940451255
SNP_P1_188738_34986	NW_004515910.1	Scaffold437	34986	TT	CC	1940451256
SNP_P1_188739_35033	NW_004515910.1	Scaffold437	35033	CC	TT	1940451257
SNP_P1_188740_35056	NW_004515910.1	Scaffold437	35056	TT	CC	1940451258
SNP_P1_188741_35090	NW_004515910.1	Scaffold437	35090	AA	GG	1940451259
SNP_P1_188742_35128	NW_004515910.1	Scaffold437	35128	TT	CC	1940451260
SNP_P1_188743_35173	NW_004515910.1	Scaffold437	35173	AA	GG	1940451261
SNP_P1_188744_35202	NW_004515910.1	Scaffold437	35202	TT	CC	1940451262
SNP_P1_188745_35244	NW_004515910.1	Scaffold437	35244	AA	GG	1940451263
SNP_P1_188746_35333	NW_004515910.1	Scaffold437	35333	TT	CC	1940451264
SNP_P1_188747_35339	NW_004515910.1	Scaffold437	35339	GG	AA	1940451265
SNP_P1_188748_35674	NW_004515910.1	Scaffold437	35674	TT	AA	1940451266
SNP_P1_188749_35693	NW_004515910.1	Scaffold437	35693	AA	TT	1940451267
SNP_P1_188750_35742	NW_004515910.1	Scaffold437	35742	TT	AA	1940451268
SNP_P1_188751_35759	NW_004515910.1	Scaffold437	35759	CC	TT	1940451269
SNP_P1_188752_35763	NW_004515910.1	Scaffold437	35763	TT	CC	1940451270
SNP_P1_188753_35946	NW_004515910.1	Scaffold437	35946	GG	TT	1940451271

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_188754_36333	NW_004515910.1	Scaffold437	36333	CC	TT	1940451272
SNP_P1_188755_36334	NW_004515910.1	Scaffold437	36334	TT	GG	1940451273
SNP_P1_188756_37779	NW_004515910.1	Scaffold437	37779	CC	TT	1940451274
SNP_P1_188757_37817	NW_004515910.1	Scaffold437	37817	AA	CC	1940451275
SNP_P1_188758_39568	NW_004515910.1	Scaffold437	39568	AA	CC	1940451276
SNP_P1_188759_39853	NW_004515910.1	Scaffold437	39853	AA	CC	1940451277
SNP_P1_188760_43305	NW_004515910.1	Scaffold437	43305	GG	CC	1940451278
SNP_P1_188761_45212	NW_004515910.1	Scaffold437	45212	CC	TT	1940451279
SNP_P1_188763_50625	NW_004515910.1	Scaffold437	50625	AA	GG	1940451280
SNP_P1_188764_50648	NW_004515910.1	Scaffold437	50648	CC	TT	1940451281
SNP_P1_188765_50649	NW_004515910.1	Scaffold437	50649	AA	TT	1940451282
SNP_P1_188766_50655	NW_004515910.1	Scaffold437	50655	AA	CC	1940451283
SNP_P1_188767_52276	NW_004515910.1	Scaffold437	52276	GG	AA	1940451284
SNP_P1_188768_52314	NW_004515910.1	Scaffold437	52314	TT	CC	1940451286
SNP_P1_188769_52330	NW_004515910.1	Scaffold437	52330	GG	TT	1940451287
SNP_P1_188770_52331	NW_004515910.1	Scaffold437	52331	CC	TT	1940451288
SNP_P1_188771_60002	NW_004515910.1	Scaffold437	60002	AA	GG	1940451289
SNP_P1_188772_60347	NW_004515910.1	Scaffold437	60347	GG	TT	1940451290
SNP_P1_188773_60348	NW_004515910.1	Scaffold437	60348	TT	CC	1940451291
SNP_P1_188774_60389	NW_004515910.1	Scaffold437	60389	AA	CC	1940451292
SNP_P1_188775_60494	NW_004515910.1	Scaffold437	60494	TT	AA	1940451293
SNP_P1_188776_60497	NW_004515910.1	Scaffold437	60497	GG	AA	1940451294
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SNP_P1_188778_63475	NW_004515910.1	Scaffold437	63475	CC	AA	1940451296
SNP_P1_188780_70352	NW_004515910.1	Scaffold437	70352	TT	CC	1940451297
SNP_P1_188781_72340	NW_004515910.1	Scaffold437	72340	CC	TT	1940451298
SNP_P1_188782_77387	NW_004515910.1	Scaffold437	77387	CC	AA	1940451299
SNP_P1_188784_1108	NW_004515911.1	Scaffold438	1108	AA	GG	1940451300
SNP_P1_188785_1349	NW_004515911.1	Scaffold438	1349	GG	CC	1940451301
SNP_P1_188786_1633	NW_004515911.1	Scaffold438	1633	AA	GG	1940451302
SNP_P1_188787_1636	NW_004515911.1	Scaffold438	1636	TT	CC	1940451303
SNP_P1_188788_1639	NW_004515911.1	Scaffold438	1639	TT	CC	1940451304
SNP_P1_188789_1657	NW_004515911.1	Scaffold438	1657	GG	AA	1940451305
SNP_P1_188790_1669	NW_004515911.1	Scaffold438	1669	AA	GG	1940451306
SNP_P1_188791_1697	NW_004515911.1	Scaffold438	1697	TT	CC	1940451307
SNP_P1_188792_1789	NW_004515911.1	Scaffold438	1789	AA	GG	1940451308
SNP_P1_188793_1870	NW_004515911.1	Scaffold438	1870	GG	TT	1940451309
SNP_P1_188795_1969	NW_004515911.1	Scaffold438	1969	AA	GG	1940451310
SNP_P1_188796_2193	NW_004515911.1	Scaffold438	2193	AA	GG	1940451311
SNP_P1_188797_3726	NW_004515911.1	Scaffold438	3726	TT	CC	1940451312
SNP_P1_188798_3874	NW_004515911.1	Scaffold438	3874	CC	TT	1940451313
SNP_P1_188800_3954	NW_004515911.1	Scaffold438	3954	TT	GG	1940451314

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188803_6804	NW_004515911.1	Scaffold438	6804	AA	TT	1940451317
SNP_P1_188804_6807	NW_004515911.1	Scaffold438	6807	CC	TT	1940451318
SNP_P1_188805_6821	NW_004515911.1	Scaffold438	6821	CC	TT	1940451319
SNP_P1_188806_6879	NW_004515911.1	Scaffold438	6879	AA	TT	1940451320
SNP_P1_188807_6923	NW_004515911.1	Scaffold438	6923	GG	AA	1940451321
SNP_P1_188809_6977	NW_004515911.1	Scaffold438	6977	GG	AA	1940451322
SNP_P1_188810_13678	NW_004515911.1	Scaffold438	13678	TT	CC	1940451323
SNP_P1_188811_14979	NW_004515911.1	Scaffold438	14979	GG	TT	1940451324
SNP_P1_188812_47534	NW_004515911.1	Scaffold438	47534	GG	TT	1940451325
SNP_P1_188813_48072	NW_004515911.1	Scaffold438	48072	CC	GG	1940451326
SNP_P1_188814_52766	NW_004515911.1	Scaffold438	52766	AA	GG	1940451327
SNP_P1_188815_52771	NW_004515911.1	Scaffold438	52771	CC	TT	1940451328
SNP_P1_188816_59140	NW_004515911.1	Scaffold438	59140	TT	AA	1940451329
SNP_P1_188817_72204	NW_004515911.1	Scaffold438	72204	TT	CC	1940451330
SNP_P1_188818_74384	NW_004515911.1	Scaffold438	74384	TT	CC	1940451331
SNP_P1_188819_74585	NW_004515911.1	Scaffold438	74585	CC	TT	1940451332
SNP_P1_188820_74759	NW_004515911.1	Scaffold438	74759	TT	AA	1940451333
SNP_P1_188821_74860	NW_004515911.1	Scaffold438	74860	CC	AA	1940451334
SNP_P1_188822_74893	NW_004515911.1	Scaffold438	74893	AA	GG	1940451335
SNP_P1_188823_74919	NW_004515911.1	Scaffold438	74919	TT	GG	1940451336
SNP_P1_188824_74936	NW_004515911.1	Scaffold438	74936	AA	TT	1940451337
SNP_P1_188825_74945	NW_004515911.1	Scaffold438	74945	TT	CC	1940451338
SNP_P1_188826_74963	NW_004515911.1	Scaffold438	74963	TT	GG	1940451339
SNP_P1_188827_74994	NW_004515911.1	Scaffold438	74994	TT	CC	1940451340
SNP_P1_188828_75021	NW_004515911.1	Scaffold438	75021	AA	GG	1940451341
SNP_P1_188829_75051	NW_004515911.1	Scaffold438	75051	TT	CC	1940451342
SNP_P1_188830_75053	NW_004515911.1	Scaffold438	75053	AA	CC	1940451343
SNP_P1_188831_76520	NW_004515911.1	Scaffold438	76520	GG	TT	1940451344
SNP_P1_188832_76867	NW_004515911.1	Scaffold438	76867	CC	AA	1940451345
SNP_P1_188833_76901	NW_004515911.1	Scaffold438	76901	TT	GG	1940451346
SNP_P1_188834_93306	NW_004515911.1	Scaffold438	93306	TT	CC	1940451347
SNP_P1_188835_93386	NW_004515911.1	Scaffold438	93386	AA	GG	1940451348
SNP_P1_188836_93472	NW_004515911.1	Scaffold438	93472	CC	TT	1940451349
SNP_P1_188837_97648	NW_004515911.1	Scaffold438	97648	GG	CC	1940451350
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SNP_P1_188839_97825	NW_004515911.1	Scaffold438	97825	TT	CC	1940451352
SNP_P1_188840_97942	NW_004515911.1	Scaffold438	97942	CC	TT	1940451353
SNP_P1_188841_97943	NW_004515911.1	Scaffold438	97943	AA	TT	1940451354
SNP_P1_188842_98004	NW_004515911.1	Scaffold438	98004	TT	CC	1940451355
SNP_P1_188843_98010	NW_004515911.1	Scaffold438	98010	CC	TT	1940451356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_188844_98011	NW_004515911.1	Scaffold438	98011	AA	GG	1940451357
SNP_P1_188845_98015	NW_004515911.1	Scaffold438	98015	AA	CC	1940451358
SNP_P1_188846_98024	NW_004515911.1	Scaffold438	98024	GG	CC	1940451359
SNP_P1_188847_98097	NW_004515911.1	Scaffold438	98097	CC	GG	1940451360
SNP_P1_188848_98168	NW_004515911.1	Scaffold438	98168	TT	GG	1940451361
SNP_P1_188849_98217	NW_004515911.1	Scaffold438	98217	TT	AA	1940451362
SNP_P1_188850_98218	NW_004515911.1	Scaffold438	98218	TT	CC	1940451363
SNP_P1_188851_98220	NW_004515911.1	Scaffold438	98220	TT	AA	1940451364
SNP_P1_188852_98258	NW_004515911.1	Scaffold438	98258	AA	GG	1940451365
SNP_P1_188853_98261	NW_004515911.1	Scaffold438	98261	GG	TT	1940451366
SNP_P1_188854_98277	NW_004515911.1	Scaffold438	98277	CC	TT	1940451367
SNP_P1_188855_98286	NW_004515911.1	Scaffold438	98286	TT	GG	1940451368
SNP_P1_188856_98300	NW_004515911.1	Scaffold438	98300	CC	GG	1940451369
SNP_P1_188857_108034	NW_004515911.1	Scaffold438	108034	AA	GG	1940451370
SNP_P1_188858_109298	NW_004515911.1	Scaffold438	109298	AA	GG	1940451371
SNP_P1_188859_12069	NW_004515912.1	Scaffold440	12069	GG	AA	1940451372
SNP_P1_188860_12556	NW_004515912.1	Scaffold440	12556	TT	CC	1940451373
SNP_P1_188861_12558	NW_004515912.1	Scaffold440	12558	AA	CC	1940451374
SNP_P1_188862_15518	NW_004515912.1	Scaffold440	15518	TT	CC	1940451375
SNP_P1_188863_20675	NW_004515912.1	Scaffold440	20675	TT	GG	1940451376
SNP_P1_188864_20709	NW_004515912.1	Scaffold440	20709	TT	CC	1940451377
SNP_P1_188865_23172	NW_004515912.1	Scaffold440	23172	GG	CC	1940451378
SNP_P1_188866_28928	NW_004515912.1	Scaffold440	28928	GG	CC	1940451379
SNP_P1_188867_28934	NW_004515912.1	Scaffold440	28934	TT	GG	1940451380
SNP_P1_188868_28978	NW_004515912.1	Scaffold440	28978	GG	CC	1940451381
SNP_P1_188869_30117	NW_004515912.1	Scaffold440	30117	CC	AA	1940451382
SNP_P1_188870_30176	NW_004515912.1	Scaffold440	30176	AA	GG	1940451383
SNP_P1_188871_30196	NW_004515912.1	Scaffold440	30196	CC	AA	1940451384
SNP_P1_188873_30308	NW_004515912.1	Scaffold440	30308	GG	TT	1940451385
SNP_P1_188874_30340	NW_004515912.1	Scaffold440	30340	AA	GG	1940451386
SNP_P1_188875_30363	NW_004515912.1	Scaffold440	30363	CC	GG	1940451387
SNP_P1_188876_30425	NW_004515912.1	Scaffold440	30425	GG	AA	1940451388
SNP_P1_188877_30473	NW_004515912.1	Scaffold440	30473	GG	TT	1940451389
SNP_P1_188878_30523	NW_004515912.1	Scaffold440	30523	AA	TT	1940451390
SNP_P1_188879_30556	NW_004515912.1	Scaffold440	30556	AA	CC	1940451391
SNP_P1_188880_32582	NW_004515912.1	Scaffold440	32582	AA	CC	1940451392
SNP_P1_188881_32593	NW_004515912.1	Scaffold440	32593	AA	GG	1940451393
SNP_P1_188882_37231	NW_004515912.1	Scaffold440	37231	CC	AA	1940451394
SNP_P1_188883_37261	NW_004515912.1	Scaffold440	37261	TT	CC	1940451395
SNP_P1_188884_14569	NW_004515913.1	Scaffold441	14569	TT	AA	1940451396
SNP_P1_188885_14745	NW_004515913.1	Scaffold441	14745	GG	AA	1940451397
SNP_P1_188886_15507	NW_004515913.1	Scaffold441	15507	AA	GG	1940451398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_188888_21308	NW_004515913.1	Scaffold441	21308	CC	AA	1940451400
SNP_P1_188889_21614	NW_004515913.1	Scaffold441	21614	AA	GG	1940451402
SNP_P1_188890_33549	NW_004515913.1	Scaffold441	33549	AA	CC	1940451403
SNP_P1_188891_34040	NW_004515913.1	Scaffold441	34040	CC	GG	1940451404
SNP_P1_188892_34127	NW_004515913.1	Scaffold441	34127	GG	AA	1940451405
SNP_P1_188893_34257	NW_004515913.1	Scaffold441	34257	AA	GG	1940451406
SNP_P1_188894_697	NW_004515914.1	Scaffold442	697	CC	AA	1940451407
SNP_P1_188895_1412	NW_004515914.1	Scaffold442	1412	CC	AA	1940451408
SNP_P1_188896_1679	NW_004515914.1	Scaffold442	1679	GG	AA	1940451409
SNP_P1_188897_1690	NW_004515914.1	Scaffold442	1690	AA	TT	1940451410
SNP_P1_188898_1970	NW_004515914.1	Scaffold442	1970	CC	TT	1940451411
SNP_P1_188899_1971	NW_004515914.1	Scaffold442	1971	CC	TT	1940451412
SNP_P1_188900_1972	NW_004515914.1	Scaffold442	1972	CC	TT	1940451413
SNP_P1_188901_1984	NW_004515914.1	Scaffold442	1984	TT	CC	1940451414
SNP_P1_188902_2498	NW_004515914.1	Scaffold442	2498	CC	TT	1940451415
SNP_P1_188903_2521	NW_004515914.1	Scaffold442	2521	CC	TT	1940451416
SNP_P1_188904_10521	NW_004515914.1	Scaffold442	10521	CC	AA	1940451417
SNP_P1_188905_10522	NW_004515914.1	Scaffold442	10522	AA	GG	1940451418
SNP_P1_188906_10910	NW_004515914.1	Scaffold442	10910	AA	TT	1940451419
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SNP_P1_188909_21746	NW_004515914.1	Scaffold442	21746	CC	AA	1940451421
SNP_P1_188910_21763	NW_004515914.1	Scaffold442	21763	AA	CC	1940451422
SNP_P1_188911_21764	NW_004515914.1	Scaffold442	21764	TT	AA	1940451423
SNP_P1_188912_21769	NW_004515914.1	Scaffold442	21769	GG	CC	1940451424
SNP_P1_188913_21779	NW_004515914.1	Scaffold442	21779	CC	AA	1940451425
SNP_P1_188914_22087	NW_004515914.1	Scaffold442	22087	TT	AA	1940451426
SNP_P1_188915_24055	NW_004515914.1	Scaffold442	24055	TT	AA	1940451427
SNP_P1_188916_34996	NW_004515914.1	Scaffold442	34996	TT	AA	1940451428
SNP_P1_188917_35007	NW_004515914.1	Scaffold442	35007	GG	AA	1940451429
SNP_P1_188918_35105	NW_004515914.1	Scaffold442	35105	CC	AA	1940451430
SNP_P1_188919_35605	NW_004515914.1	Scaffold442	35605	CC	TT	1940451431
SNP_P1_188920_35606	NW_004515914.1	Scaffold442	35606	GG	TT	1940451432
SNP_P1_188921_35724	NW_004515914.1	Scaffold442	35724	TT	CC	1940451433
SNP_P1_188922_36427	NW_004515914.1	Scaffold442	36427	CC	TT	1940451434
SNP_P1_188923_36428	NW_004515914.1	Scaffold442	36428	TT	GG	1940451435
SNP_P1_188924_36496	NW_004515914.1	Scaffold442	36496	TT	GG	1940451436
SNP_P1_188925_36721	NW_004515914.1	Scaffold442	36721	TT	CC	1940451437
SNP_P1_188926_36811	NW_004515914.1	Scaffold442	36811	TT	AA	1940451438
SNP_P1_188927_36812	NW_004515914.1	Scaffold442	36812	AA	TT	1940451439
SNP_P1_188928_36964	NW_004515914.1	Scaffold442	36964	AA	GG	1940451440
SNP_P1_188929_37036	NW_004515914.1	Scaffold442	37036	GG	AA	1940451441

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_188930_37093	NW_004515914.1	Scaffold442	37093	CC	TT	1940451442
SNP_P1_188931_37203	NW_004515914.1	Scaffold442	37203	CC	AA	1940451443
SNP_P1_188932_37434	NW_004515914.1	Scaffold442	37434	AA	TT	1940451444
SNP_P1_188933_37440	NW_004515914.1	Scaffold442	37440	GG	CC	1940451445
SNP_P1_188934_40390	NW_004515914.1	Scaffold442	40390	AA	TT	1940451446
SNP_P1_188935_40829	NW_004515914.1	Scaffold442	40829	CC	GG	1940451447
SNP_P1_188936_41424	NW_004515914.1	Scaffold442	41424	GG	TT	1940451448
SNP_P1_188937_41658	NW_004515914.1	Scaffold442	41658	TT	CC	1940451449
SNP_P1_188938_42664	NW_004515914.1	Scaffold442	42664	AA	GG	1940451450
SNP_P1_188939_42744	NW_004515914.1	Scaffold442	42744	TT	CC	1940451451
SNP_P1_188940_42749	NW_004515914.1	Scaffold442	42749	CC	AA	1940451452
SNP_P1_188942_43420	NW_004515914.1	Scaffold442	43420	AA	GG	1940451453
SNP_P1_188943_48153	NW_004515914.1	Scaffold442	48153	GG	CC	1940451454
SNP_P1_188944_49716	NW_004515914.1	Scaffold442	49716	AA	GG	1940451455
SNP_P1_188945_49999	NW_004515914.1	Scaffold442	49999	TT	CC	1940451456
SNP_P1_188946_50017	NW_004515914.1	Scaffold442	50017	AA	GG	1940451457
SNP_P1_188947_50118	NW_004515914.1	Scaffold442	50118	AA	TT	1940451458
SNP_P1_188948_50129	NW_004515914.1	Scaffold442	50129	CC	TT	1940451459
SNP_P1_188949_54958	NW_004515914.1	Scaffold442	54958	TT	CC	1940451460
SNP_P1_188950_55027	NW_004515914.1	Scaffold442	55027	CC	AA	1940451461
SNP_P1_188951_55032	NW_004515914.1	Scaffold442	55032	AA	CC	1940451462
SNP_P1_188952_55036	NW_004515914.1	Scaffold442	55036	AA	GG	1940451463
SNP_P1_188953_60786	NW_004515914.1	Scaffold442	60786	AA	CC	1940451464
SNP_P1_188954_60957	NW_004515914.1	Scaffold442	60957	TT	CC	1940451465
SNP_P1_188955_62022	NW_004515914.1	Scaffold442	62022	AA	TT	1940451466
SNP_P1_188956_62023	NW_004515914.1	Scaffold442	62023	CC	TT	1940451467
SNP_P1_188957_62606	NW_004515914.1	Scaffold442	62606	GG	AA	1940451468
SNP_P1_188958_62731	NW_004515914.1	Scaffold442	62731	AA	GG	1940451469
SNP_P1_188959_71407	NW_004515914.1	Scaffold442	71407	TT	GG	1940451470
SNP_P1_188960_71565	NW_004515914.1	Scaffold442	71565	TT	CC	1940451471
SNP_P1_188961_71825	NW_004515914.1	Scaffold442	71825	GG	TT	1940451472
SNP_P1_188962_72186	NW_004515914.1	Scaffold442	72186	GG	AA	1940451473
SNP_P1_188963_72190	NW_004515914.1	Scaffold442	72190	GG	AA	1940451474
SNP_P1_188964_85764	NW_004515914.1	Scaffold442	85764	AA	CC	1940451475
SNP_P1_188965_1184	NW_004515916.1	Scaffold446	1184	CC	GG	1940451476
SNP_P1_188966_2084	NW_004515916.1	Scaffold446	2084	AA	CC	1940451477
SNP_P1_188967_2125	NW_004515916.1	Scaffold446	2125	CC	GG	1940451478
SNP_P1_188968_2558	NW_004515916.1	Scaffold446	2558	CC	TT	1940451479
SNP_P1_188969_2565	NW_004515916.1	Scaffold446	2565	TT	AA	1940451480
SNP_P1_188970_2582	NW_004515916.1	Scaffold446	2582	GG	AA	1940451481
SNP_P1_188971_2589	NW_004515916.1	Scaffold446	2589	TT	AA	1940451482
SNP_P1_188972_2622	NW_004515916.1	Scaffold446	2622	TT	AA	1940451483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_188973_2643	NW_004515916.1	Scaffold446	2643	GG	CC	1940451484
SNP_P1_188974_2650	NW_004515916.1	Scaffold446	2650	AA	CC	1940451485
SNP_P1_188975_2885	NW_004515916.1	Scaffold446	2885	TT	CC	1940451486
SNP_P1_188976_2947	NW_004515916.1	Scaffold446	2947	GG	CC	1940451487
SNP_P1_188977_2954	NW_004515916.1	Scaffold446	2954	TT	AA	1940451488
SNP_P1_188979_9823	NW_004515916.1	Scaffold446	9823	GG	TT	1940451489
SNP_P1_188980_11195	NW_004515916.1	Scaffold446	11195	GG	AA	1940451490
SNP_P1_188981_11197	NW_004515916.1	Scaffold446	11197	GG	AA	1940451491
SNP_P1_188982_11209	NW_004515916.1	Scaffold446	11209	GG	AA	1940451492
SNP_P1_188983_12795	NW_004515916.1	Scaffold446	12795	AA	GG	1940451493
SNP_P1_188984_12830	NW_004515916.1	Scaffold446	12830	TT	CC	1940451494
SNP_P1_188985_12831	NW_004515916.1	Scaffold446	12831	CC	AA	1940451495
SNP_P1_188986_12837	NW_004515916.1	Scaffold446	12837	CC	TT	1940451496
SNP_P1_188987_12843	NW_004515916.1	Scaffold446	12843	AA	GG	1940451497
SNP_P1_188989_12880	NW_004515916.1	Scaffold446	12880	TT	AA	1940451498
SNP_P1_188990_13047	NW_004515916.1	Scaffold446	13047	GG	TT	1940451499
SNP_P1_188991_13252	NW_004515916.1	Scaffold446	13252	TT	AA	1940451500
SNP_P1_188992_13285	NW_004515916.1	Scaffold446	13285	GG	AA	1940451501
SNP_P1_188993_13297	NW_004515916.1	Scaffold446	13297	GG	AA	1940451502
SNP_P1_188994_13327	NW_004515916.1	Scaffold446	13327	GG	AA	1940451503
SNP_P1_188995_13369	NW_004515916.1	Scaffold446	13369	AA	CC	1940451504
SNP_P1_188996_13371	NW_004515916.1	Scaffold446	13371	GG	AA	1940451505
SNP_P1_188997_13372	NW_004515916.1	Scaffold446	13372	AA	TT	1940451506
SNP_P1_188998_13374	NW_004515916.1	Scaffold446	13374	GG	AA	1940451507
SNP_P1_188999_13375	NW_004515916.1	Scaffold446	13375	GG	AA	1940451508
SNP_P1_189000_13381	NW_004515916.1	Scaffold446	13381	AA	TT	1940451509
SNP_P1_189001_14415	NW_004515916.1	Scaffold446	14415	TT	CC	1940451510
SNP_P1_189002_14809	NW_004515916.1	Scaffold446	14809	AA	GG	1940451511
SNP_P1_189003_15414	NW_004515916.1	Scaffold446	15414	GG	TT	1940451512
SNP_P1_189004_18075	NW_004515916.1	Scaffold446	18075	TT	CC	1940451513
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SNP_P1_189008_34098	NW_004515916.1	Scaffold446	34098	AA	TT	1940451517
SNP_P1_189009_34182	NW_004515916.1	Scaffold446	34182	AA	GG	1940451518
SNP_P1_189010_34236	NW_004515916.1	Scaffold446	34236	AA	TT	1940451519
SNP_P1_189011_34325	NW_004515916.1	Scaffold446	34325	TT	CC	1940451520
SNP_P1_189012_34347	NW_004515916.1	Scaffold446	34347	AA	GG	1940451521
SNP_P1_189013_36133	NW_004515916.1	Scaffold446	36133	AA	GG	1940451522
SNP_P1_189014_36145	NW_004515916.1	Scaffold446	36145	GG	TT	1940451523
SNP_P1_189015_36189	NW_004515916.1	Scaffold446	36189	AA	GG	1940451524
SNP_P1_189016_43323	NW_004515916.1	Scaffold446	43323	GG	CC	1940451525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_189017_43340	NW_004515916.1	Scaffold446	43340	GG	TT	1940451526
SNP_P1_189018_44634	NW_004515916.1	Scaffold446	44634	TT	GG	1940451527
SNP_P1_189019_45318	NW_004515916.1	Scaffold446	45318	TT	AA	1940451528
SNP_P1_189020_45334	NW_004515916.1	Scaffold446	45334	CC	GG	1940451529
SNP_P1_189021_45578	NW_004515916.1	Scaffold446	45578	CC	AA	1940451530
SNP_P1_189022_45590	NW_004515916.1	Scaffold446	45590	AA	GG	1940451531
SNP_P1_189023_45609	NW_004515916.1	Scaffold446	45609	TT	CC	1940451532
SNP_P1_189024_46702	NW_004515916.1	Scaffold446	46702	AA	CC	1940451533
SNP_P1_189025_50715	NW_004515916.1	Scaffold446	50715	GG	AA	1940451534
SNP_P1_189026_61825	NW_004515916.1	Scaffold446	61825	AA	GG	1940451535
SNP_P1_189027_64960	NW_004515916.1	Scaffold446	64960	AA	GG	1940451536
SNP_P1_189028_65387	NW_004515916.1	Scaffold446	65387	TT	GG	1940451538
SNP_P1_189029_65404	NW_004515916.1	Scaffold446	65404	AA	GG	1940451539
SNP_P1_189030_65452	NW_004515916.1	Scaffold446	65452	AA	TT	1940451540
SNP_P1_189031_65475	NW_004515916.1	Scaffold446	65475	TT	CC	1940451541
SNP_P1_189032_65751	NW_004515916.1	Scaffold446	65751	GG	AA	1940451542
SNP_P1_189033_65922	NW_004515916.1	Scaffold446	65922	TT	GG	1940451543
SNP_P1_189034_65983	NW_004515916.1	Scaffold446	65983	CC	TT	1940451544
SNP_P1_189035_66049	NW_004515916.1	Scaffold446	66049	CC	TT	1940451545
SNP_P1_189036_66062	NW_004515916.1	Scaffold446	66062	GG	TT	1940451546
SNP_P1_189037_66066	NW_004515916.1	Scaffold446	66066	TT	CC	1940451547
SNP_P1_189038_66071	NW_004515916.1	Scaffold446	66071	AA	CC	1940451548
SNP_P1_189039_66127	NW_004515916.1	Scaffold446	66127	TT	AA	1940451549
SNP_P1_189040_66134	NW_004515916.1	Scaffold446	66134	TT	CC	1940451550
SNP_P1_189041_66154	NW_004515916.1	Scaffold446	66154	CC	TT	1940451551
SNP_P1_189042_66179	NW_004515916.1	Scaffold446	66179	GG	AA	1940451552
SNP_P1_189043_66181	NW_004515916.1	Scaffold446	66181	AA	CC	1940451553
SNP_P1_189044_66188	NW_004515916.1	Scaffold446	66188	CC	AA	1940451554
SNP_P1_189045_66211	NW_004515916.1	Scaffold446	66211	AA	CC	1940451555
SNP_P1_189046_66222	NW_004515916.1	Scaffold446	66222	CC	AA	1940451556
SNP_P1_189047_66249	NW_004515916.1	Scaffold446	66249	TT	CC	1940451557
SNP_P1_189048_66259	NW_004515916.1	Scaffold446	66259	AA	CC	1940451558
SNP_P1_189049_66275	NW_004515916.1	Scaffold446	66275	TT	CC	1940451559
SNP_P1_189050_66385	NW_004515916.1	Scaffold446	66385	CC	GG	1940451560
SNP_P1_189051_66435	NW_004515916.1	Scaffold446	66435	GG	CC	1940451561
SNP_P1_189052_66510	NW_004515916.1	Scaffold446	66510	CC	AA	1940451562
SNP_P1_189053_67629	NW_004515916.1	Scaffold446	67629	CC	AA	1940451563
SNP_P1_189054_67638	NW_004515916.1	Scaffold446	67638	CC	AA	1940451564
SNP_P1_189055_67709	NW_004515916.1	Scaffold446	67709	GG	AA	1940451565
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SNP_P1_189057_67731	NW_004515916.1	Scaffold446	67731	AA	GG	1940451567
SNP_P1_189058_67774	NW_004515916.1	Scaffold446	67774	TT	CC	1940451568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_189060_67848	NW_004515916.1	Scaffold446	67848	AA	TT	1940451569
SNP_P1_189061_67862	NW_004515916.1	Scaffold446	67862	AA	TT	1940451570
SNP_P1_189062_67874	NW_004515916.1	Scaffold446	67874	TT	AA	1940451571
SNP_P1_189063_67926	NW_004515916.1	Scaffold446	67926	GG	TT	1940451572
SNP_P1_189064_67948	NW_004515916.1	Scaffold446	67948	TT	AA	1940451573
SNP_P1_189065_67960	NW_004515916.1	Scaffold446	67960	AA	TT	1940451574
SNP_P1_189066_67971	NW_004515916.1	Scaffold446	67971	AA	TT	1940451575
SNP_P1_189067_67985	NW_004515916.1	Scaffold446	67985	AA	TT	1940451576
SNP_P1_189068_68014	NW_004515916.1	Scaffold446	68014	TT	AA	1940451577
SNP_P1_189069_68019	NW_004515916.1	Scaffold446	68019	CC	AA	1940451578
SNP_P1_189070_68022	NW_004515916.1	Scaffold446	68022	CC	TT	1940451579
SNP_P1_189071_68039	NW_004515916.1	Scaffold446	68039	TT	CC	1940451580
SNP_P1_189072_68102	NW_004515916.1	Scaffold446	68102	AA	TT	1940451581
SNP_P1_189073_68106	NW_004515916.1	Scaffold446	68106	TT	AA	1940451582
SNP_P1_189074_68213	NW_004515916.1	Scaffold446	68213	AA	TT	1940451583
SNP_P1_189075_68239	NW_004515916.1	Scaffold446	68239	TT	CC	1940451584
SNP_P1_189076_68561	NW_004515916.1	Scaffold446	68561	TT	CC	1940451585
SNP_P1_189077_77220	NW_004515916.1	Scaffold446	77220	GG	AA	1940451586
SNP_P1_189078_77221	NW_004515916.1	Scaffold446	77221	TT	GG	1940451587
SNP_P1_189079_79085	NW_004515916.1	Scaffold446	79085	TT	GG	1940451588
SNP_P1_189080_80090	NW_004515916.1	Scaffold446	80090	GG	CC	1940451589
SNP_P1_189081_80347	NW_004515916.1	Scaffold446	80347	CC	TT	1940451590
SNP_P1_189082_80878	NW_004515916.1	Scaffold446	80878	TT	CC	1940451591
SNP_P1_189083_81344	NW_004515916.1	Scaffold446	81344	AA	CC	1940451592
SNP_P1_189084_81427	NW_004515916.1	Scaffold446	81427	TT	CC	1940451593
SNP_P1_189085_81445	NW_004515916.1	Scaffold446	81445	AA	CC	1940451594
SNP_P1_189086_81943	NW_004515916.1	Scaffold446	81943	GG	CC	1940451595
SNP_P1_189088_82055	NW_004515916.1	Scaffold446	82055	TT	AA	1940451596
SNP_P1_189089_82176	NW_004515916.1	Scaffold446	82176	AA	TT	1940451597
SNP_P1_189090_82320	NW_004515916.1	Scaffold446	82320	GG	TT	1940451598
SNP_P1_189091_82534	NW_004515916.1	Scaffold446	82534	AA	CC	1940451599
SNP_P1_189092_84083	NW_004515916.1	Scaffold446	84083	GG	CC	1940451600
SNP_P1_189093_88844	NW_004515916.1	Scaffold446	88844	CC	TT	1940451601
SNP_P1_189094_88846	NW_004515916.1	Scaffold446	88846	AA	GG	1940451602
SNP_P1_189095_88859	NW_004515916.1	Scaffold446	88859	TT	CC	1940451603
SNP_P1_189096_92257	NW_004515916.1	Scaffold446	92257	TT	CC	1940451604
SNP_P1_189097_94917	NW_004515916.1	Scaffold446	94917	AA	GG	1940451605
SNP_P1_189098_95550	NW_004515916.1	Scaffold446	95550	CC	TT	1940451606
SNP_P1_189099_98238	NW_004515916.1	Scaffold446	98238	AA	GG	1940451607
SNP_P1_189100_98240	NW_004515916.1	Scaffold446	98240	TT	CC	1940451608
SNP_P1_189101_98573	NW_004515916.1	Scaffold446	98573	AA	TT	1940451609
SNP_P1_189102_99238	NW_004515916.1	Scaffold446	99238	GG	AA	1940451610

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_189103_99397	NW_004515916.1	Scaffold446	99397	TT	CC	1940451611
SNP_P1_189104_99435	NW_004515916.1	Scaffold446	99435	GG	AA	1940451612
SNP_P1_189105_99464	NW_004515916.1	Scaffold446	99464	TT	AA	1940451613
SNP_P1_189106_99592	NW_004515916.1	Scaffold446	99592	GG	AA	1940451614
SNP_P1_189107_99684	NW_004515916.1	Scaffold446	99684	TT	CC	1940451615
SNP_P1_189108_99748	NW_004515916.1	Scaffold446	99748	AA	GG	1940451616
SNP_P1_189109_102545	NW_004515916.1	Scaffold446	102545	AA	GG	1940451617
SNP_P1_189110_102615	NW_004515916.1	Scaffold446	102615	GG	CC	1940451618
SNP_P1_189111_102715	NW_004515916.1	Scaffold446	102715	AA	GG	1940451619
SNP_P1_189112_106522	NW_004515916.1	Scaffold446	106522	TT	CC	1940451620
SNP_P1_189113_106760	NW_004515916.1	Scaffold446	106760	AA	GG	1940451621
SNP_P1_189114_106856	NW_004515916.1	Scaffold446	106856	GG	AA	1940451622
SNP_P1_189115_109650	NW_004515916.1	Scaffold446	109650	GG	CC	1940451623
SNP_P1_189116_109831	NW_004515916.1	Scaffold446	109831	TT	CC	1940451624
SNP_P1_189117_109902	NW_004515916.1	Scaffold446	109902	AA	CC	1940451625
SNP_P1_189118_110186	NW_004515916.1	Scaffold446	110186	TT	AA	1940451626
SNP_P1_189120_110343	NW_004515916.1	Scaffold446	110343	AA	TT	1940451627
SNP_P1_189121_117980	NW_004515916.1	Scaffold446	117980	GG	AA	1940451628
SNP_P1_189122_117998	NW_004515916.1	Scaffold446	117998	TT	CC	1940451629
SNP_P1_189123_118643	NW_004515916.1	Scaffold446	118643	TT	CC	1940451630
SNP_P1_189124_118648	NW_004515916.1	Scaffold446	118648	TT	GG	1940451631
SNP_P1_189125_118849	NW_004515916.1	Scaffold446	118849	AA	GG	1940451632
SNP_P1_189126_118907	NW_004515916.1	Scaffold446	118907	AA	GG	1940451633
SNP_P1_189127_124912	NW_004515916.1	Scaffold446	124912	GG	AA	1940451634
SNP_P1_189128_124928	NW_004515916.1	Scaffold446	124928	TT	GG	1940451635
SNP_P1_189129_130171	NW_004515916.1	Scaffold446	130171	AA	GG	1940451636
SNP_P1_189130_133529	NW_004515916.1	Scaffold446	133529	GG	AA	1940451637
SNP_P1_189131_133667	NW_004515916.1	Scaffold446	133667	GG	TT	1940451638
SNP_P1_189132_133701	NW_004515916.1	Scaffold446	133701	AA	GG	1940451639
SNP_P1_189133_133807	NW_004515916.1	Scaffold446	133807	TT	CC	1940451640
SNP_P1_189134_134159	NW_004515916.1	Scaffold446	134159	CC	TT	1940451641
SNP_P1_189135_134538	NW_004515916.1	Scaffold446	134538	AA	CC	1940451642
SNP_P1_189136_134725	NW_004515916.1	Scaffold446	134725	AA	GG	1940451643
SNP_P1_189137_134747	NW_004515916.1	Scaffold446	134747	TT	CC	1940451644
SNP_P1_189138_134763	NW_004515916.1	Scaffold446	134763	TT	AA	1940451645
SNP_P1_189139_134768	NW_004515916.1	Scaffold446	134768	CC	AA	1940451646
SNP_P1_189140_134787	NW_004515916.1	Scaffold446	134787	TT	CC	1940451647
SNP_P1_189141_135780	NW_004515916.1	Scaffold446	135780	AA	TT	1940451648
SNP_P1_189142_135790	NW_004515916.1	Scaffold446	135790	TT	AA	1940451649
SNP_P1_189143_138001	NW_004515916.1	Scaffold446	138001	CC	GG	1940451650
SNP_P1_189144_138395	NW_004515916.1	Scaffold446	138395	TT	AA	1940451651
SNP_P1_189145_141012	NW_004515916.1	Scaffold446	141012	CC	TT	1940451652

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_189147_144044	NW_004515916.1	Scaffold446	144044	AA	CC	1940451654
SNP_P1_189148_151620	NW_004515916.1	Scaffold446	151620	CC	TT	1940451655
SNP_P1_189149_152030	NW_004515916.1	Scaffold446	152030	AA	GG	1940451656
SNP_P1_189150_152340	NW_004515916.1	Scaffold446	152340	AA	TT	1940451657
SNP_P1_189151_152453	NW_004515916.1	Scaffold446	152453	CC	TT	1940451658
SNP_P1_189152_153752	NW_004515916.1	Scaffold446	153752	CC	TT	1940451659
SNP_P1_189153_153794	NW_004515916.1	Scaffold446	153794	TT	AA	1940451660
SNP_P1_189154_153830	NW_004515916.1	Scaffold446	153830	CC	TT	1940451661
SNP_P1_189155_153836	NW_004515916.1	Scaffold446	153836	AA	CC	1940451662
SNP_P1_189156_156864	NW_004515916.1	Scaffold446	156864	TT	CC	1940451663
SNP_P1_189157_156956	NW_004515916.1	Scaffold446	156956	CC	TT	1940451664
SNP_P1_189158_156999	NW_004515916.1	Scaffold446	156999	TT	CC	1940451665
SNP_P1_189159_157055	NW_004515916.1	Scaffold446	157055	TT	GG	1940451666
SNP_P1_189160_157109	NW_004515916.1	Scaffold446	157109	GG	AA	1940451667
SNP_P1_189161_157112	NW_004515916.1	Scaffold446	157112	AA	TT	1940451668
SNP_P1_189162_157139	NW_004515916.1	Scaffold446	157139	GG	TT	1940451669
SNP_P1_189163_157165	NW_004515916.1	Scaffold446	157165	GG	AA	1940451670
SNP_P1_189164_157357	NW_004515916.1	Scaffold446	157357	GG	AA	1940451671
SNP_P1_189165_157382	NW_004515916.1	Scaffold446	157382	CC	GG	1940451672
SNP_P1_189166_157480	NW_004515916.1	Scaffold446	157480	TT	CC	1940451673
SNP_P1_189167_161089	NW_004515916.1	Scaffold446	161089	AA	GG	1940451674
SNP_P1_189168_161470	NW_004515916.1	Scaffold446	161470	AA	GG	1940451675
SNP_P1_189169_161516	NW_004515916.1	Scaffold446	161516	CC	TT	1940451676
SNP_P1_189170_161521	NW_004515916.1	Scaffold446	161521	AA	TT	1940451677
SNP_P1_189171_162509	NW_004515916.1	Scaffold446	162509	AA	GG	1940451678
SNP_P1_189172_163013	NW_004515916.1	Scaffold446	163013	TT	CC	1940451679
SNP_P1_189173_163449	NW_004515916.1	Scaffold446	163449	CC	TT	1940451680
SNP_P1_189174_163487	NW_004515916.1	Scaffold446	163487	CC	TT	1940451681
SNP_P1_189175_163765	NW_004515916.1	Scaffold446	163765	TT	GG	1940451682
SNP_P1_189176_163774	NW_004515916.1	Scaffold446	163774	CC	TT	1940451683
SNP_P1_189177_163790	NW_004515916.1	Scaffold446	163790	TT	CC	1940451684
SNP_P1_189178_163805	NW_004515916.1	Scaffold446	163805	CC	TT	1940451685
SNP_P1_189179_163831	NW_004515916.1	Scaffold446	163831	AA	GG	1940451687
SNP_P1_189180_163873	NW_004515916.1	Scaffold446	163873	AA	GG	1940451688
SNP_P1_189181_163918	NW_004515916.1	Scaffold446	163918	AA	GG	1940451689
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SNP_P1_189183_164354	NW_004515916.1	Scaffold446	164354	GG	TT	1940451691
SNP_P1_189184_164380	NW_004515916.1	Scaffold446	164380	TT	AA	1940451692
SNP_P1_189185_164387	NW_004515916.1	Scaffold446	164387	TT	CC	1940451693
SNP_P1_189186_165203	NW_004515916.1	Scaffold446	165203	AA	TT	1940451694
SNP_P1_189187_165388	NW_004515916.1	Scaffold446	165388	GG	TT	1940451695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_189189_166520	NW_004515916.1	Scaffold446	166520	GG	AA	1940451697
SNP_P1_189190_166525	NW_004515916.1	Scaffold446	166525	AA	TT	1940451698
SNP_P1_189191_166536	NW_004515916.1	Scaffold446	166536	GG	AA	1940451699
SNP_P1_189192_166749	NW_004515916.1	Scaffold446	166749	AA	GG	1940451700
SNP_P1_189193_166789	NW_004515916.1	Scaffold446	166789	TT	CC	1940451701
SNP_P1_189194_166815	NW_004515916.1	Scaffold446	166815	AA	TT	1940451702
SNP_P1_189195_170504	NW_004515916.1	Scaffold446	170504	GG	AA	1940451703
SNP_P1_189196_170540	NW_004515916.1	Scaffold446	170540	AA	GG	1940451704
SNP_P1_189197_170542	NW_004515916.1	Scaffold446	170542	TT	GG	1940451705
SNP_P1_189198_170550	NW_004515916.1	Scaffold446	170550	AA	TT	1940451706
SNP_P1_189199_170811	NW_004515916.1	Scaffold446	170811	TT	CC	1940451707
SNP_P1_189200_177167	NW_004515916.1	Scaffold446	177167	AA	GG	1940451708
SNP_P1_189201_177193	NW_004515916.1	Scaffold446	177193	AA	GG	1940451709
SNP_P1_189202_177238	NW_004515916.1	Scaffold446	177238	TT	GG	1940451710
SNP_P1_189203_177258	NW_004515916.1	Scaffold446	177258	GG	TT	1940451711
SNP_P1_189204_177300	NW_004515916.1	Scaffold446	177300	GG	CC	1940451712
SNP_P1_189205_177303	NW_004515916.1	Scaffold446	177303	GG	AA	1940451713
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SNP_P1_189209_177500	NW_004515916.1	Scaffold446	177500	TT	CC	1940451717
SNP_P1_189210_177530	NW_004515916.1	Scaffold446	177530	GG	TT	1940451718
SNP_P1_189211_177565	NW_004515916.1	Scaffold446	177565	AA	CC	1940451719
SNP_P1_189212_180722	NW_004515916.1	Scaffold446	180722	AA	GG	1940451720
SNP_P1_189213_181379	NW_004515916.1	Scaffold446	181379	TT	CC	1940451721
SNP_P1_189214_181380	NW_004515916.1	Scaffold446	181380	AA	CC	1940451722
SNP_P1_189215_187262	NW_004515916.1	Scaffold446	187262	GG	TT	1940451723
SNP_P1_189216_198197	NW_004515916.1	Scaffold446	198197	GG	TT	1940451724
SNP_P1_189217_201037	NW_004515916.1	Scaffold446	201037	CC	GG	1940451725
SNP_P1_189218_201043	NW_004515916.1	Scaffold446	201043	AA	TT	1940451726
SNP_P1_189219_209225	NW_004515916.1	Scaffold446	209225	AA	TT	1940451727
SNP_P1_189220_209230	NW_004515916.1	Scaffold446	209230	AA	CC	1940451728
SNP_P1_189221_214744	NW_004515916.1	Scaffold446	214744	CC	TT	1940451729
SNP_P1_189222_214810	NW_004515916.1	Scaffold446	214810	CC	TT	1940451730
SNP_P1_189223_214822	NW_004515916.1	Scaffold446	214822	CC	GG	1940451731
SNP_P1_189224_214864	NW_004515916.1	Scaffold446	214864	AA	GG	1940451732
SNP_P1_189225_218989	NW_004515916.1	Scaffold446	218989	GG	AA	1940451733
SNP_P1_189226_219507	NW_004515916.1	Scaffold446	219507	CC	AA	1940451734
SNP_P1_189228_224530	NW_004515916.1	Scaffold446	224530	TT	CC	1940451735
SNP_P1_189230_224882	NW_004515916.1	Scaffold446	224882	TT	GG	1940451736
SNP_P1_189231_230622	NW_004515916.1	Scaffold446	230622	TT	AA	1940451737

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_189233_232515	NW_004515916.1	Scaffold446	232515	AA	CC	1940451739
SNP_P1_189234_232609	NW_004515916.1	Scaffold446	232609	TT	AA	1940451740
SNP_P1_189235_232801	NW_004515916.1	Scaffold446	232801	GG	AA	1940451741
SNP_P1_189236_233316	NW_004515916.1	Scaffold446	233316	AA	CC	1940451742
SNP_P1_189237_233320	NW_004515916.1	Scaffold446	233320	AA	GG	1940451743
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SNP_P1_189240_233376	NW_004515916.1	Scaffold446	233376	AA	GG	1940451746
SNP_P1_189241_233467	NW_004515916.1	Scaffold446	233467	AA	GG	1940451747
SNP_P1_189242_233507	NW_004515916.1	Scaffold446	233507	AA	CC	1940451748
SNP_P1_189243_233618	NW_004515916.1	Scaffold446	233618	GG	AA	1940451749
SNP_P1_189244_233625	NW_004515916.1	Scaffold446	233625	AA	GG	1940451750
SNP_P1_189245_233653	NW_004515916.1	Scaffold446	233653	TT	CC	1940451751
SNP_P1_189246_233673	NW_004515916.1	Scaffold446	233673	GG	AA	1940451752
SNP_P1_189247_235004	NW_004515916.1	Scaffold446	235004	AA	TT	1940451753
SNP_P1_189248_235007	NW_004515916.1	Scaffold446	235007	AA	TT	1940451754
SNP_P1_189249_235018	NW_004515916.1	Scaffold446	235018	TT	CC	1940451755
SNP_P1_189251_235753	NW_004515916.1	Scaffold446	235753	TT	CC	1940451756
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SNP_P1_189254_245391	NW_004515916.1	Scaffold446	245391	AA	GG	1940451759
SNP_P1_189255_248130	NW_004515916.1	Scaffold446	248130	TT	GG	1940451760
SNP_P1_189256_250299	NW_004515916.1	Scaffold446	250299	AA	GG	1940451761
SNP_P1_189257_250310	NW_004515916.1	Scaffold446	250310	GG	AA	1940451762
SNP_P1_189258_250492	NW_004515916.1	Scaffold446	250492	TT	AA	1940451763
SNP_P1_189259_250517	NW_004515916.1	Scaffold446	250517	AA	GG	1940451764
SNP_P1_189261_250878	NW_004515916.1	Scaffold446	250878	AA	TT	1940451765
SNP_P1_189262_250882	NW_004515916.1	Scaffold446	250882	AA	GG	1940451766
SNP_P1_189263_250888	NW_004515916.1	Scaffold446	250888	CC	AA	1940451767
SNP_P1_189264_250926	NW_004515916.1	Scaffold446	250926	TT	GG	1940451768
SNP_P1_189265_250952	NW_004515916.1	Scaffold446	250952	AA	GG	1940451769
SNP_P1_189266_250995	NW_004515916.1	Scaffold446	250995	CC	TT	1940451770
SNP_P1_189267_253911	NW_004515916.1	Scaffold446	253911	AA	GG	1940451771
SNP_P1_189268_255463	NW_004515916.1	Scaffold446	255463	CC	TT	1940451772
SNP_P1_189269_255465	NW_004515916.1	Scaffold446	255465	AA	TT	1940451773
SNP_P1_189270_255516	NW_004515916.1	Scaffold446	255516	AA	GG	1940451774
SNP_P1_189271_255744	NW_004515916.1	Scaffold446	255744	GG	TT	1940451775
SNP_P1_189272_255937	NW_004515916.1	Scaffold446	255937	TT	CC	1940451776
SNP_P1_189273_255991	NW_004515916.1	Scaffold446	255991	CC	TT	1940451777
SNP_P1_189274_256518	NW_004515916.1	Scaffold446	256518	CC	TT	1940451778
SNP_P1_189275_267571	NW_004515916.1	Scaffold446	267571	CC	AA	1940451779

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_189276_267597	NW_004515916.1	Scaffold446	267597	AA	GG	1940451780
SNP_P1_189277_267616	NW_004515916.1	Scaffold446	267616	TT	CC	1940451781
SNP_P1_189278_273660	NW_004515916.1	Scaffold446	273660	TT	AA	1940451782
SNP_P1_189279_273725	NW_004515916.1	Scaffold446	273725	TT	AA	1940451783
SNP_P1_189280_273759	NW_004515916.1	Scaffold446	273759	GG	TT	1940451784
SNP_P1_189282_14567	NW_004515917.1	Scaffold450	14567	GG	AA	1940451785
SNP_P1_189283_28901	NW_004515917.1	Scaffold450	28901	GG	TT	1940451786
SNP_P1_189284_39243	NW_004515917.1	Scaffold450	39243	CC	AA	1940451787
SNP_P1_189285_92435	NW_004515917.1	Scaffold450	92435	CC	TT	1940451788
SNP_P1_189286_92480	NW_004515917.1	Scaffold450	92480	TT	CC	1940451789
SNP_P1_189287_92488	NW_004515917.1	Scaffold450	92488	AA	CC	1940451790
SNP_P1_189288_92500	NW_004515917.1	Scaffold450	92500	TT	CC	1940451791
SNP_P1_189289_104455	NW_004515917.1	Scaffold450	104455	AA	GG	1940451792
SNP_P1_189290_104525	NW_004515917.1	Scaffold450	104525	TT	CC	1940451793
SNP_P1_189291_105025	NW_004515917.1	Scaffold450	105025	GG	AA	1940451794
SNP_P1_189292_105160	NW_004515917.1	Scaffold450	105160	AA	GG	1940451795
SNP_P1_189293_107536	NW_004515917.1	Scaffold450	107536	AA	GG	1940451796
SNP_P1_189295_115627	NW_004515917.1	Scaffold450	115627	AA	TT	1940451797
SNP_P1_189296_115628	NW_004515917.1	Scaffold450	115628	CC	TT	1940451798
SNP_P1_189298_119497	NW_004515917.1	Scaffold450	119497	TT	CC	1940451799
SNP_P1_189299_124706	NW_004515917.1	Scaffold450	124706	TT	CC	1940451800
SNP_P1_189300_128254	NW_004515917.1	Scaffold450	128254	CC	GG	1940451801
SNP_P1_189301_129957	NW_004515917.1	Scaffold450	129957	AA	CC	1940451802
SNP_P1_189302_129996	NW_004515917.1	Scaffold450	129996	AA	TT	1940451803
SNP_P1_189303_131767	NW_004515917.1	Scaffold450	131767	TT	CC	1940451804
SNP_P1_189305_133829	NW_004515917.1	Scaffold450	133829	AA	TT	1940451805
SNP_P1_189306_133869	NW_004515917.1	Scaffold450	133869	TT	AA	1940451806
SNP_P1_189307_133883	NW_004515917.1	Scaffold450	133883	TT	GG	1940451807
SNP_P1_189308_133889	NW_004515917.1	Scaffold450	133889	TT	AA	1940451808
SNP_P1_189309_134006	NW_004515917.1	Scaffold450	134006	AA	GG	1940451810
SNP_P1_189310_134024	NW_004515917.1	Scaffold450	134024	AA	CC	1940451811
SNP_P1_189311_134025	NW_004515917.1	Scaffold450	134025	CC	AA	1940451812
SNP_P1_189312_134051	NW_004515917.1	Scaffold450	134051	AA	GG	1940451813
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SNP_P1_189314_134368	NW_004515917.1	Scaffold450	134368	GG	TT	1940451815
SNP_P1_189315_152631	NW_004515917.1	Scaffold450	152631	CC	TT	1940451816
SNP_P1_189316_152961	NW_004515917.1	Scaffold450	152961	TT	CC	1940451817
SNP_P1_189317_152998	NW_004515917.1	Scaffold450	152998	TT	CC	1940451818
SNP_P1_189318_153000	NW_004515917.1	Scaffold450	153000	TT	AA	1940451819
SNP_P1_189319_162200	NW_004515917.1	Scaffold450	162200	GG	AA	1940451820
SNP_P1_189320_174546	NW_004515917.1	Scaffold450	174546	AA	GG	1940451821
SNP_P1_189321_179234	NW_004515917.1	Scaffold450	179234	GG	AA	1940451822

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_189322_193202	NW_004515917.1	Scaffold450	193202	GG	AA	1940451823
SNP_P1_189323_193299	NW_004515917.1	Scaffold450	193299	GG	AA	1940451824
SNP_P1_189324_203492	NW_004515917.1	Scaffold450	203492	CC	TT	1940451825
SNP_P1_189325_205044	NW_004515917.1	Scaffold450	205044	AA	TT	1940451826
SNP_P1_189326_205704	NW_004515917.1	Scaffold450	205704	TT	CC	1940451827
SNP_P1_189327_206113	NW_004515917.1	Scaffold450	206113	AA	TT	1940451828
SNP_P1_189328_235459	NW_004515917.1	Scaffold450	235459	CC	AA	1940451829
SNP_P1_189329_235811	NW_004515917.1	Scaffold450	235811	AA	GG	1940451830
SNP_P1_189331_259576	NW_004515917.1	Scaffold450	259576	CC	TT	1940451831
SNP_P1_189332_259579	NW_004515917.1	Scaffold450	259579	GG	TT	1940451832
SNP_P1_189333_261331	NW_004515917.1	Scaffold450	261331	TT	CC	1940451833
SNP_P1_189334_267165	NW_004515917.1	Scaffold450	267165	AA	GG	1940451834
SNP_P1_189335_291561	NW_004515917.1	Scaffold450	291561	TT	CC	1940451835
SNP_P1_189338_326903	NW_004515917.1	Scaffold450	326903	GG	AA	1940451836
SNP_P1_189339_333782	NW_004515917.1	Scaffold450	333782	GG	AA	1940451837
SNP_P1_189340_367157	NW_004515917.1	Scaffold450	367157	AA	GG	1940451838
SNP_P1_189341_368992	NW_004515917.1	Scaffold450	368992	GG	AA	1940451839
SNP_P1_189342_416458	NW_004515917.1	Scaffold450	416458	GG	TT	1940451840
SNP_P1_189343_420315	NW_004515917.1	Scaffold450	420315	AA	CC	1940451841
SNP_P1_189344_427885	NW_004515917.1	Scaffold450	427885	TT	CC	1940451842
SNP_P1_189345_435357	NW_004515917.1	Scaffold450	435357	AA	GG	1940451843
SNP_P1_189346_435785	NW_004515917.1	Scaffold450	435785	CC	TT	1940451844
SNP_P1_189348_451711	NW_004515917.1	Scaffold450	451711	TT	GG	1940451845
SNP_P1_189349_451731	NW_004515917.1	Scaffold450	451731	TT	AA	1940451846
SNP_P1_189350_451761	NW_004515917.1	Scaffold450	451761	CC	AA	1940451847
SNP_P1_189351_451763	NW_004515917.1	Scaffold450	451763	AA	TT	1940451848
SNP_P1_189352_457218	NW_004515917.1	Scaffold450	457218	GG	AA	1940451849
SNP_P1_189353_458317	NW_004515917.1	Scaffold450	458317	TT	AA	1940451850
SNP_P1_189354_458322	NW_004515917.1	Scaffold450	458322	GG	AA	1940451851
SNP_P1_189356_459117	NW_004515917.1	Scaffold450	459117	TT	AA	1940451852
SNP_P1_189357_471020	NW_004515917.1	Scaffold450	471020	AA	GG	1940451853
SNP_P1_189358_472176	NW_004515917.1	Scaffold450	472176	GG	AA	1940451854
SNP_P1_189359_472191	NW_004515917.1	Scaffold450	472191	TT	CC	1940451855
SNP_P1_189360_472211	NW_004515917.1	Scaffold450	472211	GG	TT	1940451856
SNP_P1_189361_476131	NW_004515917.1	Scaffold450	476131	AA	GG	1940451857
SNP_P1_189362_477982	NW_004515917.1	Scaffold450	477982	CC	TT	1940451858
SNP_P1_189363_482331	NW_004515917.1	Scaffold450	482331	CC	TT	1940451859
SNP_P1_189364_482361	NW_004515917.1	Scaffold450	482361	GG	CC	1940451860
SNP_P1_189365_482624	NW_004515917.1	Scaffold450	482624	AA	CC	1940451861
SNP_P1_189366_486509	NW_004515917.1	Scaffold450	486509	GG	TT	1940451862
SNP_P1_189367_486510	NW_004515917.1	Scaffold450	486510	TT	AA	1940451863
SNP_P1_189368_489015	NW_004515917.1	Scaffold450	489015	GG	CC	1940451864

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_189370_497425	NW_004515917.1	Scaffold450	497425	GG	TT	1940451866
SNP_P1_189371_497463	NW_004515917.1	Scaffold450	497463	TT	AA	1940451867
SNP_P1_189372_497825	NW_004515917.1	Scaffold450	497825	TT	AA	1940451868
SNP_P1_189373_500195	NW_004515917.1	Scaffold450	500195	GG	AA	1940451869
SNP_P1_189374_502432	NW_004515917.1	Scaffold450	502432	AA	GG	1940451870
SNP_P1_189375_509562	NW_004515917.1	Scaffold450	509562	GG	TT	1940451871
SNP_P1_189376_509727	NW_004515917.1	Scaffold450	509727	TT	CC	1940451872
SNP_P1_189377_509740	NW_004515917.1	Scaffold450	509740	AA	CC	1940451873
SNP_P1_189378_509829	NW_004515917.1	Scaffold450	509829	GG	CC	1940451874
SNP_P1_189379_509958	NW_004515917.1	Scaffold450	509958	CC	TT	1940451875
SNP_P1_189380_509959	NW_004515917.1	Scaffold450	509959	AA	GG	1940451876
SNP_P1_189381_510026	NW_004515917.1	Scaffold450	510026	CC	TT	1940451877
SNP_P1_189382_510397	NW_004515917.1	Scaffold450	510397	AA	GG	1940451878
SNP_P1_189383_510474	NW_004515917.1	Scaffold450	510474	AA	TT	1940451879
SNP_P1_189384_510564	NW_004515917.1	Scaffold450	510564	CC	GG	1940451880
SNP_P1_189385_510601	NW_004515917.1	Scaffold450	510601	CC	AA	1940451881
SNP_P1_189386_510610	NW_004515917.1	Scaffold450	510610	CC	GG	1940451882
SNP_P1_189387_510631	NW_004515917.1	Scaffold450	510631	TT	CC	1940451883
SNP_P1_189388_511026	NW_004515917.1	Scaffold450	511026	TT	CC	1940451884
SNP_P1_189389_511163	NW_004515917.1	Scaffold450	511163	AA	TT	1940451885
SNP_P1_189390_513873	NW_004515917.1	Scaffold450	513873	AA	GG	1940451886
SNP_P1_189391_513904	NW_004515917.1	Scaffold450	513904	CC	AA	1940451887
SNP_P1_189392_513906	NW_004515917.1	Scaffold450	513906	AA	TT	1940451888
SNP_P1_189393_514050	NW_004515917.1	Scaffold450	514050	GG	TT	1940451889
SNP_P1_189395_515928	NW_004515917.1	Scaffold450	515928	AA	GG	1940451890
SNP_P1_189396_515950	NW_004515917.1	Scaffold450	515950	GG	AA	1940451891
SNP_P1_189397_515955	NW_004515917.1	Scaffold450	515955	CC	AA	1940451892
SNP_P1_189398_516034	NW_004515917.1	Scaffold450	516034	AA	CC	1940451893
SNP_P1_189399_517259	NW_004515917.1	Scaffold450	517259	GG	TT	1940451894
SNP_P1_189400_517399	NW_004515917.1	Scaffold450	517399	CC	TT	1940451895
SNP_P1_189401_517406	NW_004515917.1	Scaffold450	517406	TT	CC	1940451896
SNP_P1_189402_517418	NW_004515917.1	Scaffold450	517418	TT	AA	1940451897
SNP_P1_189403_517627	NW_004515917.1	Scaffold450	517627	TT	CC	1940451898
SNP_P1_189404_517807	NW_004515917.1	Scaffold450	517807	TT	CC	1940451899
SNP_P1_189405_518313	NW_004515917.1	Scaffold450	518313	AA	CC	1940451900
SNP_P1_189406_518361	NW_004515917.1	Scaffold450	518361	AA	CC	1940451901
SNP_P1_189407_518418	NW_004515917.1	Scaffold450	518418	CC	TT	1940451902
SNP_P1_189408_518460	NW_004515917.1	Scaffold450	518460	AA	GG	1940451903
SNP_P1_189409_518517	NW_004515917.1	Scaffold450	518517	CC	AA	1940451904
SNP_P1_189410_518561	NW_004515917.1	Scaffold450	518561	TT	CC	1940451905
SNP_P1_189411_518592	NW_004515917.1	Scaffold450	518592	TT	AA	1940451906

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_189413_518663	NW_004515917.1	Scaffold450	518663	GG	CC	1940451908
SNP_P1_189414_518672	NW_004515917.1	Scaffold450	518672	AA	GG	1940451909
SNP_P1_189415_518791	NW_004515917.1	Scaffold450	518791	CC	TT	1940451910
SNP_P1_189416_518792	NW_004515917.1	Scaffold450	518792	GG	AA	1940451911
SNP_P1_189417_1328	NW_004515918.1	Scaffold451	1328	TT	CC	1940451912
SNP_P1_189418_1716	NW_004515918.1	Scaffold451	1716	AA	CC	1940451913
SNP_P1_189419_5224	NW_004515918.1	Scaffold451	5224	AA	GG	1940451914
SNP_P1_189422_10897	NW_004515918.1	Scaffold451	10897	TT	CC	1940451915
SNP_P1_189423_10986	NW_004515918.1	Scaffold451	10986	TT	GG	1940451916
SNP_P1_189424_11190	NW_004515918.1	Scaffold451	11190	TT	GG	1940451917
SNP_P1_189425_11504	NW_004515918.1	Scaffold451	11504	TT	CC	1940451918
SNP_P1_189427_17649	NW_004515918.1	Scaffold451	17649	CC	GG	1940451919
SNP_P1_189428_17683	NW_004515918.1	Scaffold451	17683	CC	TT	1940451920
SNP_P1_189429_19210	NW_004515918.1	Scaffold451	19210	AA	GG	1940451921
SNP_P1_189430_19570	NW_004515918.1	Scaffold451	19570	CC	TT	1940451922
SNP_P1_189431_19588	NW_004515918.1	Scaffold451	19588	AA	GG	1940451923
SNP_P1_189432_19869	NW_004515918.1	Scaffold451	19869	GG	AA	1940451924
SNP_P1_189433_19950	NW_004515918.1	Scaffold451	19950	AA	TT	1940451925
SNP_P1_189435_21051	NW_004515918.1	Scaffold451	21051	AA	CC	1940451926
SNP_P1_189436_21183	NW_004515918.1	Scaffold451	21183	AA	TT	1940451927
SNP_P1_189437_21267	NW_004515918.1	Scaffold451	21267	AA	CC	1940451928
SNP_P1_189438_21281	NW_004515918.1	Scaffold451	21281	AA	GG	1940451929
SNP_P1_189439_23543	NW_004515918.1	Scaffold451	23543	GG	CC	1940451930
SNP_P1_189441_25103	NW_004515918.1	Scaffold451	25103	TT	CC	1940451931
SNP_P1_189442_25315	NW_004515918.1	Scaffold451	25315	TT	CC	1940451932
SNP_P1_189443_25355	NW_004515918.1	Scaffold451	25355	CC	GG	1940451933
SNP_P1_189444_28430	NW_004515918.1	Scaffold451	28430	CC	TT	1940451934
SNP_P1_189445_28517	NW_004515918.1	Scaffold451	28517	TT	AA	1940451935
SNP_P1_189446_28545	NW_004515918.1	Scaffold451	28545	AA	CC	1940451936
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SNP_P1_189449_30577	NW_004515918.1	Scaffold451	30577	CC	AA	1940451938
SNP_P1_189451_34700	NW_004515918.1	Scaffold451	34700	AA	TT	1940451939
SNP_P1_189452_34740	NW_004515918.1	Scaffold451	34740	GG	AA	1940451940
SNP_P1_189454_34763	NW_004515918.1	Scaffold451	34763	CC	TT	1940451941
SNP_P1_189455_35283	NW_004515918.1	Scaffold451	35283	GG	TT	1940451942
SNP_P1_189457_54061	NW_004515918.1	Scaffold451	54061	AA	GG	1940451943
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SNP_P1_189459_64904	NW_004515918.1	Scaffold451	64904	AA	TT	1940451945
SNP_P1_189460_65177	NW_004515918.1	Scaffold451	65177	AA	GG	1940451946
SNP_P1_189461_65220	NW_004515918.1	Scaffold451	65220	AA	GG	1940451947
SNP_P1_189462_65437	NW_004515918.1	Scaffold451	65437	CC	TT	1940451948

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_189465_74098	NW_004515918.1	Scaffold451	74098	TT	CC	1940451950
SNP_P1_189466_74148	NW_004515918.1	Scaffold451	74148	TT	CC	1940451951
SNP_P1_189467_74701	NW_004515918.1	Scaffold451	74701	CC	TT	1940451953
SNP_P1_189468_74706	NW_004515918.1	Scaffold451	74706	GG	AA	1940451954
SNP_P1_189469_77803	NW_004515918.1	Scaffold451	77803	AA	GG	1940451955
SNP_P1_189470_77904	NW_004515918.1	Scaffold451	77904	AA	GG	1940451956
SNP_P1_189471_78357	NW_004515918.1	Scaffold451	78357	TT	CC	1940451957
SNP_P1_189472_111962	NW_004515918.1	Scaffold451	111962	TT	AA	1940451958
SNP_P1_189473_111965	NW_004515918.1	Scaffold451	111965	AA	TT	1940451959
SNP_P1_189474_142890	NW_004515918.1	Scaffold451	142890	AA	GG	1940451960
SNP_P1_189475_162773	NW_004515918.1	Scaffold451	162773	AA	TT	1940451961
SNP_P1_189476_162775	NW_004515918.1	Scaffold451	162775	TT	CC	1940451962
SNP_P1_189477_166394	NW_004515918.1	Scaffold451	166394	CC	TT	1940451963
SNP_P1_189479_200708	NW_004515918.1	Scaffold451	200708	AA	CC	1940451964
SNP_P1_189480_200714	NW_004515918.1	Scaffold451	200714	TT	CC	1940451965
SNP_P1_189481_200750	NW_004515918.1	Scaffold451	200750	CC	TT	1940451966
SNP_P1_189482_200755	NW_004515918.1	Scaffold451	200755	TT	CC	1940451967
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SNP_P1_189484_201171	NW_004515918.1	Scaffold451	201171	TT	GG	1940451969
SNP_P1_189485_226856	NW_004515918.1	Scaffold451	226856	TT	AA	1940451970
SNP_P1_189486_235701	NW_004515918.1	Scaffold451	235701	TT	CC	1940451971
SNP_P1_189487_238188	NW_004515918.1	Scaffold451	238188	GG	CC	1940451972
SNP_P1_189488_238192	NW_004515918.1	Scaffold451	238192	TT	GG	1940451973
SNP_P1_189489_241367	NW_004515918.1	Scaffold451	241367	AA	TT	1940451974
SNP_P1_189490_247248	NW_004515918.1	Scaffold451	247248	AA	GG	1940451975
SNP_P1_189491_247259	NW_004515918.1	Scaffold451	247259	AA	TT	1940451976
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SNP_P1_189493_267269	NW_004515918.1	Scaffold451	267269	TT	CC	1940451978
SNP_P1_189494_275519	NW_004515918.1	Scaffold451	275519	CC	AA	1940451979
SNP_P1_189495_275520	NW_004515918.1	Scaffold451	275520	TT	GG	1940451980
SNP_P1_189496_276087	NW_004515918.1	Scaffold451	276087	AA	GG	1940451981
SNP_P1_189497_304963	NW_004515918.1	Scaffold451	304963	CC	TT	1940451982
SNP_P1_189501_326460	NW_004515918.1	Scaffold451	326460	CC	TT	1940451983
SNP_P1_189503_326510	NW_004515918.1	Scaffold451	326510	CC	TT	1940451984
SNP_P1_189504_326681	NW_004515918.1	Scaffold451	326681	GG	TT	1940451985
SNP_P1_189505_326690	NW_004515918.1	Scaffold451	326690	TT	GG	1940451986
SNP_P1_189506_326739	NW_004515918.1	Scaffold451	326739	AA	GG	1940451987
SNP_P1_189507_326833	NW_004515918.1	Scaffold451	326833	TT	CC	1940451988
SNP_P1_189508_334249	NW_004515918.1	Scaffold451	334249	GG	AA	1940451989
SNP_P1_189509_334286	NW_004515918.1	Scaffold451	334286	TT	AA	1940451990
SNP_P1_189510_334287	NW_004515918.1	Scaffold451	334287	AA	TT	1940451991

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_189511_334289	NW_004515918.1	Scaffold451	334289	TT	AA	1940451992
SNP_P1_189513_340149	NW_004515918.1	Scaffold451	340149	TT	AA	1940451993
SNP_P1_189514_340155	NW_004515918.1	Scaffold451	340155	GG	AA	1940451994
SNP_P1_189515_349649	NW_004515918.1	Scaffold451	349649	CC	AA	1940451995
SNP_P1_189516_349655	NW_004515918.1	Scaffold451	349655	GG	TT	1940451996
SNP_P1_189517_349656	NW_004515918.1	Scaffold451	349656	TT	AA	1940451997
SNP_P1_189518_349698	NW_004515918.1	Scaffold451	349698	AA	GG	1940451998
SNP_P1_189519_349746	NW_004515918.1	Scaffold451	349746	AA	TT	1940451999
SNP_P1_189520_349758	NW_004515918.1	Scaffold451	349758	TT	CC	1940452000
SNP_P1_189521_349791	NW_004515918.1	Scaffold451	349791	TT	AA	1940452001
SNP_P1_189522_349805	NW_004515918.1	Scaffold451	349805	TT	AA	1940452002
SNP_P1_189523_349812	NW_004515918.1	Scaffold451	349812	GG	AA	1940452003
SNP_P1_189524_349823	NW_004515918.1	Scaffold451	349823	TT	CC	1940452004
SNP_P1_189526_390443	NW_004515918.1	Scaffold451	390443	CC	TT	1940452005
SNP_P1_189527_390487	NW_004515918.1	Scaffold451	390487	TT	GG	1940452006
SNP_P1_189528_390546	NW_004515918.1	Scaffold451	390546	TT	CC	1940452007
SNP_P1_189529_390693	NW_004515918.1	Scaffold451	390693	CC	TT	1940452008
SNP_P1_189530_390709	NW_004515918.1	Scaffold451	390709	AA	CC	1940452009
SNP_P1_189531_393147	NW_004515918.1	Scaffold451	393147	GG	AA	1940452010
SNP_P1_189532_403581	NW_004515918.1	Scaffold451	403581	TT	CC	1940452011
SNP_P1_189534_412069	NW_004515918.1	Scaffold451	412069	CC	AA	1940452012
SNP_P1_189535_413024	NW_004515918.1	Scaffold451	413024	CC	TT	1940452013
SNP_P1_189536_417196	NW_004515918.1	Scaffold451	417196	CC	TT	1940452014
SNP_P1_189537_464942	NW_004515918.1	Scaffold451	464942	AA	TT	1940452015
SNP_P1_189538_469893	NW_004515918.1	Scaffold451	469893	AA	GG	1940452016
SNP_P1_189539_472172	NW_004515918.1	Scaffold451	472172	GG	AA	1940452017
SNP_P1_189540_490900	NW_004515918.1	Scaffold451	490900	TT	CC	1940452018
SNP_P1_189541_490905	NW_004515918.1	Scaffold451	490905	TT	AA	1940452019
SNP_P1_189542_491084	NW_004515918.1	Scaffold451	491084	TT	CC	1940452020
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SNP_P1_189544_509802	NW_004515918.1	Scaffold451	509802	CC	TT	1940452022
SNP_P1_189545_518498	NW_004515918.1	Scaffold451	518498	GG	AA	1940452023
SNP_P1_189546_518514	NW_004515918.1	Scaffold451	518514	AA	TT	1940452024
SNP_P1_189547_519463	NW_004515918.1	Scaffold451	519463	GG	AA	1940452025
SNP_P1_189548_519532	NW_004515918.1	Scaffold451	519532	GG	AA	1940452026
SNP_P1_189549_2564	NW_004515919.1	Scaffold452	2564	TT	CC	1940452027
SNP_P1_189550_2880	NW_004515919.1	Scaffold452	2880	CC	AA	1940452028
SNP_P1_189551_4487	NW_004515919.1	Scaffold452	4487	TT	AA	1940452029
SNP_P1_189552_4550	NW_004515919.1	Scaffold452	4550	GG	AA	1940452030
SNP_P1_189553_4618	NW_004515919.1	Scaffold452	4618	AA	TT	1940452031
SNP_P1_189554_4843	NW_004515919.1	Scaffold452	4843	TT	CC	1940452032
SNP_P1_189555_5421	NW_004515919.1	Scaffold452	5421	GG	TT	1940452033

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_189556_7192	NW_004515919.1	Scaffold452	7192	AA	CC	1940452034
SNP_P1_189557_7194	NW_004515919.1	Scaffold452	7194	AA	GG	1940452035
SNP_P1_189558_7222	NW_004515919.1	Scaffold452	7222	TT	CC	1940452036
SNP_P1_189559_7231	NW_004515919.1	Scaffold452	7231	TT	GG	1940452037
SNP_P1_189560_7263	NW_004515919.1	Scaffold452	7263	TT	CC	1940452038
SNP_P1_189561_4958	NW_004515920.1	Scaffold453	4958	AA	GG	1940452039
SNP_P1_189562_4978	NW_004515920.1	Scaffold453	4978	GG	AA	1940452040
SNP_P1_189563_13138	NW_004515920.1	Scaffold453	13138	CC	TT	1940452041
SNP_P1_189564_20001	NW_004515920.1	Scaffold453	20001	GG	TT	1940452042
SNP_P1_189565_20051	NW_004515920.1	Scaffold453	20051	AA	CC	1940452043
SNP_P1_189566_20104	NW_004515920.1	Scaffold453	20104	TT	GG	1940452044
SNP_P1_189567_20142	NW_004515920.1	Scaffold453	20142	CC	AA	1940452045
SNP_P1_189568_20156	NW_004515920.1	Scaffold453	20156	AA	GG	1940452046
SNP_P1_189569_20248	NW_004515920.1	Scaffold453	20248	AA	CC	1940452047
SNP_P1_189570_20253	NW_004515920.1	Scaffold453	20253	TT	CC	1940452048
SNP_P1_189571_20531	NW_004515920.1	Scaffold453	20531	TT	CC	1940452049
SNP_P1_189572_20585	NW_004515920.1	Scaffold453	20585	AA	GG	1940452050
SNP_P1_189573_76763	NW_004515920.1	Scaffold453	76763	GG	AA	1940452051
SNP_P1_189575_76958	NW_004515920.1	Scaffold453	76958	GG	AA	1940452052
SNP_P1_189576_77340	NW_004515920.1	Scaffold453	77340	AA	GG	1940452053
SNP_P1_189577_77361	NW_004515920.1	Scaffold453	77361	CC	AA	1940452054
SNP_P1_189579_79728	NW_004515920.1	Scaffold453	79728	AA	CC	1940452055
SNP_P1_189581_80173	NW_004515920.1	Scaffold453	80173	AA	TT	1940452056
SNP_P1_189582_80174	NW_004515920.1	Scaffold453	80174	CC	AA	1940452057
SNP_P1_189583_80175	NW_004515920.1	Scaffold453	80175	AA	TT	1940452058
SNP_P1_189584_80176	NW_004515920.1	Scaffold453	80176	CC	TT	1940452059
SNP_P1_189585_80407	NW_004515920.1	Scaffold453	80407	GG	AA	1940452060
SNP_P1_189586_80420	NW_004515920.1	Scaffold453	80420	TT	CC	1940452061
SNP_P1_189587_89540	NW_004515920.1	Scaffold453	89540	TT	AA	1940452062
SNP_P1_189588_107779	NW_004515920.1	Scaffold453	107779	AA	GG	1940452063
SNP_P1_189589_107877	NW_004515920.1	Scaffold453	107877	AA	GG	1940452064
SNP_P1_189590_112741	NW_004515920.1	Scaffold453	112741	AA	GG	1940452065
SNP_P1_189591_112792	NW_004515920.1	Scaffold453	112792	AA	GG	1940452066
SNP_P1_189592_112819	NW_004515920.1	Scaffold453	112819	TT	CC	1940452067
SNP_P1_189593_121185	NW_004515920.1	Scaffold453	121185	GG	AA	1940452068
SNP_P1_189594_132851	NW_004515920.1	Scaffold453	132851	GG	TT	1940452069
SNP_P1_189595_132855	NW_004515920.1	Scaffold453	132855	GG	TT	1940452070
SNP_P1_189596_134614	NW_004515920.1	Scaffold453	134614	TT	CC	1940452071
SNP_P1_189597_137049	NW_004515920.1	Scaffold453	137049	CC	TT	1940452072
SNP_P1_189598_146605	NW_004515920.1	Scaffold453	146605	TT	CC	1940452073
SNP_P1_189599_146657	NW_004515920.1	Scaffold453	146657	GG	AA	1940452074
SNP_P1_189600_146663	NW_004515920.1	Scaffold453	146663	GG	AA	1940452075

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_189602_148678	NW_004515920.1	Scaffold453	148678	CC	TT	1940452076
SNP_P1_189603_150882	NW_004515920.1	Scaffold453	150882	TT	GG	1940452077
SNP_P1_189604_150892	NW_004515920.1	Scaffold453	150892	AA	GG	1940452078
SNP_P1_189605_164140	NW_004515920.1	Scaffold453	164140	TT	CC	1940452079
SNP_P1_189606_167108	NW_004515920.1	Scaffold453	167108	CC	TT	1940452080
SNP_P1_189607_168171	NW_004515920.1	Scaffold453	168171	TT	CC	1940452081
SNP_P1_189608_168205	NW_004515920.1	Scaffold453	168205	TT	CC	1940452082
SNP_P1_189609_206002	NW_004515920.1	Scaffold453	206002	CC	AA	1940452083
SNP_P1_189610_206282	NW_004515920.1	Scaffold453	206282	TT	GG	1940452084
SNP_P1_189611_206293	NW_004515920.1	Scaffold453	206293	AA	GG	1940452085
SNP_P1_189612_206349	NW_004515920.1	Scaffold453	206349	CC	AA	1940452086
SNP_P1_189614_267061	NW_004515920.1	Scaffold453	267061	AA	CC	1940452087
SNP_P1_189615_267346	NW_004515920.1	Scaffold453	267346	AA	GG	1940452088
SNP_P1_189616_269250	NW_004515920.1	Scaffold453	269250	TT	CC	1940452089
SNP_P1_189617_278018	NW_004515920.1	Scaffold453	278018	AA	TT	1940452090
SNP_P1_189619_296013	NW_004515920.1	Scaffold453	296013	CC	TT	1940452091
SNP_P1_189620_296628	NW_004515920.1	Scaffold453	296628	GG	TT	1940452092
SNP_P1_189621_306007	NW_004515920.1	Scaffold453	306007	AA	GG	1940452093
SNP_P1_189622_306266	NW_004515920.1	Scaffold453	306266	AA	GG	1940452094
SNP_P1_189623_314415	NW_004515920.1	Scaffold453	314415	AA	GG	1940452096
SNP_P1_189624_324573	NW_004515920.1	Scaffold453	324573	GG	AA	1940452097
SNP_P1_189625_338976	NW_004515920.1	Scaffold453	338976	AA	GG	1940452098
SNP_P1_189626_338981	NW_004515920.1	Scaffold453	338981	AA	CC	1940452099
SNP_P1_189628_346805	NW_004515920.1	Scaffold453	346805	GG	AA	1940452100
SNP_P1_189630_373434	NW_004515920.1	Scaffold453	373434	AA	GG	1940452101
SNP_P1_189631_373451	NW_004515920.1	Scaffold453	373451	CC	TT	1940452102
SNP_P1_189632_373673	NW_004515920.1	Scaffold453	373673	GG	AA	1940452103
SNP_P1_189633_385020	NW_004515920.1	Scaffold453	385020	CC	GG	1940452104
SNP_P1_189634_385204	NW_004515920.1	Scaffold453	385204	TT	CC	1940452105
SNP_P1_189635_385442	NW_004515920.1	Scaffold453	385442	GG	AA	1940452106
SNP_P1_189636_385481	NW_004515920.1	Scaffold453	385481	AA	TT	1940452107
SNP_P1_189637_385484	NW_004515920.1	Scaffold453	385484	GG	AA	1940452108
SNP_P1_189638_386158	NW_004515920.1	Scaffold453	386158	AA	GG	1940452109
SNP_P1_189639_386233	NW_004515920.1	Scaffold453	386233	AA	GG	1940452110
SNP_P1_189640_386389	NW_004515920.1	Scaffold453	386389	TT	CC	1940452111
SNP_P1_189641_386390	NW_004515920.1	Scaffold453	386390	CC	TT	1940452112
SNP_P1_189642_386477	NW_004515920.1	Scaffold453	386477	TT	CC	1940452113
SNP_P1_189643_398687	NW_004515920.1	Scaffold453	398687	GG	TT	1940452114
SNP_P1_189644_401577	NW_004515920.1	Scaffold453	401577	TT	CC	1940452115
SNP_P1_189645_401588	NW_004515920.1	Scaffold453	401588	AA	CC	1940452116
SNP_P1_189646_401831	NW_004515920.1	Scaffold453	401831	CC	TT	1940452117
SNP_P1_189647_401860	NW_004515920.1	Scaffold453	401860	TT	CC	1940452118

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_189649_401919	NW_004515920.1	Scaffold453	401919	TT	AA	1940452120
SNP_P1_189650_401941	NW_004515920.1	Scaffold453	401941	TT	CC	1940452121
SNP_P1_189651_401976	NW_004515920.1	Scaffold453	401976	AA	GG	1940452122
SNP_P1_189652_402547	NW_004515920.1	Scaffold453	402547	GG	TT	1940452123
SNP_P1_189653_410086	NW_004515920.1	Scaffold453	410086	CC	TT	1940452124
SNP_P1_189654_413634	NW_004515920.1	Scaffold453	413634	AA	TT	1940452125
SNP_P1_189655_414679	NW_004515920.1	Scaffold453	414679	GG	AA	1940452126
SNP_P1_189657_436613	NW_004515920.1	Scaffold453	436613	CC	TT	1940452127
SNP_P1_189658_466877	NW_004515920.1	Scaffold453	466877	CC	TT	1940452128
SNP_P1_189659_469185	NW_004515920.1	Scaffold453	469185	GG	AA	1940452129
SNP_P1_189660_470086	NW_004515920.1	Scaffold453	470086	AA	GG	1940452130
SNP_P1_189661_495074	NW_004515920.1	Scaffold453	495074	GG	AA	1940452131
SNP_P1_189662_495562	NW_004515920.1	Scaffold453	495562	GG	AA	1940452132
SNP_P1_189663_496017	NW_004515920.1	Scaffold453	496017	AA	GG	1940452133
SNP_P1_189666_497912	NW_004515920.1	Scaffold453	497912	CC	TT	1940452134
SNP_P1_189667_498568	NW_004515920.1	Scaffold453	498568	GG	AA	1940452135
SNP_P1_189668_498597	NW_004515920.1	Scaffold453	498597	GG	AA	1940452136
SNP_P1_189669_498704	NW_004515920.1	Scaffold453	498704	CC	TT	1940452137
SNP_P1_189671_500811	NW_004515920.1	Scaffold453	500811	AA	TT	1940452138
SNP_P1_189672_500828	NW_004515920.1	Scaffold453	500828	TT	AA	1940452139
SNP_P1_189673_501655	NW_004515920.1	Scaffold453	501655	TT	CC	1940452140
SNP_P1_189674_501823	NW_004515920.1	Scaffold453	501823	TT	AA	1940452141
SNP_P1_189675_501839	NW_004515920.1	Scaffold453	501839	TT	CC	1940452142
SNP_P1_189676_501986	NW_004515920.1	Scaffold453	501986	TT	GG	1940452143
SNP_P1_189677_502243	NW_004515920.1	Scaffold453	502243	CC	AA	1940452144
SNP_P1_189678_502622	NW_004515920.1	Scaffold453	502622	TT	CC	1940452145
SNP_P1_189679_502837	NW_004515920.1	Scaffold453	502837	CC	TT	1940452146
SNP_P1_189680_502977	NW_004515920.1	Scaffold453	502977	GG	AA	1940452147
SNP_P1_189681_503019	NW_004515920.1	Scaffold453	503019	AA	GG	1940452148
SNP_P1_189682_503064	NW_004515920.1	Scaffold453	503064	CC	TT	1940452149
SNP_P1_189684_503744	NW_004515920.1	Scaffold453	503744	CC	TT	1940452150
SNP_P1_189685_503919	NW_004515920.1	Scaffold453	503919	CC	TT	1940452151
SNP_P1_189687_504117	NW_004515920.1	Scaffold453	504117	AA	GG	1940452152
SNP_P1_189688_524164	NW_004515920.1	Scaffold453	524164	GG	CC	1940452153
SNP_P1_189690_526247	NW_004515920.1	Scaffold453	526247	CC	TT	1940452154
SNP_P1_189691_526268	NW_004515920.1	Scaffold453	526268	CC	TT	1940452155
SNP_P1_189692_526282	NW_004515920.1	Scaffold453	526282	GG	AA	1940452156
SNP_P1_189693_526592	NW_004515920.1	Scaffold453	526592	TT	CC	1940452157
SNP_P1_189694_907	NW_004515921.1	Scaffold454	907	AA	CC	1940452158
SNP_P1_189695_1101	NW_004515921.1	Scaffold454	1101	CC	TT	1940452159
SNP_P1_189696_1886	NW_004515921.1	Scaffold454	1886	AA	GG	1940452160

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_189697_1980	NW_004515921.1	Scaffold454	1980	TT	GG	1940452161
SNP_P1_189698_1985	NW_004515921.1	Scaffold454	1985	AA	TT	1940452162
SNP_P1_189699_2033	NW_004515921.1	Scaffold454	2033	CC	TT	1940452163
SNP_P1_189700_3305	NW_004515921.1	Scaffold454	3305	TT	GG	1940452164
SNP_P1_189701_3553	NW_004515921.1	Scaffold454	3553	CC	TT	1940452165
SNP_P1_189702_3569	NW_004515921.1	Scaffold454	3569	CC	TT	1940452166
SNP_P1_189703_4084	NW_004515921.1	Scaffold454	4084	TT	GG	1940452167
SNP_P1_189704_4193	NW_004515921.1	Scaffold454	4193	AA	CC	1940452168
SNP_P1_189705_4402	NW_004515921.1	Scaffold454	4402	TT	CC	1940452169
SNP_P1_189706_4589	NW_004515921.1	Scaffold454	4589	GG	AA	1940452170
SNP_P1_189707_3490	NW_004515926.1	Scaffold461	3490	TT	AA	1940452171
SNP_P1_189708_3957	NW_004515926.1	Scaffold461	3957	AA	GG	1940452172
SNP_P1_189709_5456	NW_004515926.1	Scaffold461	5456	TT	AA	1940452173
SNP_P1_189710_20016	NW_004515926.1	Scaffold461	20016	GG	TT	1940452174
SNP_P1_189711_22619	NW_004515926.1	Scaffold461	22619	TT	CC	1940452175
SNP_P1_189712_22886	NW_004515926.1	Scaffold461	22886	TT	CC	1940452176
SNP_P1_189713_22894	NW_004515926.1	Scaffold461	22894	TT	CC	1940452177
SNP_P1_189714_22896	NW_004515926.1	Scaffold461	22896	CC	TT	1940452178
SNP_P1_189715_22992	NW_004515926.1	Scaffold461	22992	CC	TT	1940452179
SNP_P1_189716_23018	NW_004515926.1	Scaffold461	23018	TT	GG	1940452180
SNP_P1_189717_23019	NW_004515926.1	Scaffold461	23019	GG	AA	1940452181
SNP_P1_189718_23020	NW_004515926.1	Scaffold461	23020	GG	AA	1940452182
SNP_P1_189719_23193	NW_004515926.1	Scaffold461	23193	TT	CC	1940452183
SNP_P1_189720_26170	NW_004515926.1	Scaffold461	26170	CC	TT	1940452184
SNP_P1_189721_26269	NW_004515926.1	Scaffold461	26269	TT	AA	1940452185
SNP_P1_189723_26321	NW_004515926.1	Scaffold461	26321	CC	AA	1940452186
SNP_P1_189724_26325	NW_004515926.1	Scaffold461	26325	TT	GG	1940452187
SNP_P1_189725_26393	NW_004515926.1	Scaffold461	26393	AA	TT	1940452188
SNP_P1_189726_12370	NW_004515929.1	Scaffold465	12370	TT	AA	1940452189
SNP_P1_189727_12421	NW_004515929.1	Scaffold465	12421	TT	CC	1940452190
SNP_P1_189728_12437	NW_004515929.1	Scaffold465	12437	CC	GG	1940452191
SNP_P1_189729_13035	NW_004515929.1	Scaffold465	13035	TT	AA	1940452192
SNP_P1_189730_548	NW_004515930.1	Scaffold466	548	GG	TT	1940452193
SNP_P1_189731_552	NW_004515930.1	Scaffold466	552	AA	GG	1940452194
SNP_P1_189732_614	NW_004515930.1	Scaffold466	614	GG	CC	1940452195
SNP_P1_189733_631	NW_004515930.1	Scaffold466	631	TT	GG	1940452196
SNP_P1_189734_9580	NW_004515930.1	Scaffold466	9580	AA	GG	1940452197
SNP_P1_189735_11414	NW_004515930.1	Scaffold466	11414	CC	TT	1940452198
SNP_P1_189737_12183	NW_004515930.1	Scaffold466	12183	GG	AA	1940452199
SNP_P1_189738_12218	NW_004515930.1	Scaffold466	12218	GG	AA	1940452200
SNP_P1_189739_12402	NW_004515930.1	Scaffold466	12402	AA	CC	1940452201
SNP_P1_189740_12553	NW_004515930.1	Scaffold466	12553	TT	CC	1940452202

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_189742_14745	NW_004515930.1	Scaffold466	14745	AA	GG	1940452204
SNP_P1_189743_14873	NW_004515930.1	Scaffold466	14873	GG	AA	1940452205
SNP_P1_189744_18803	NW_004515930.1	Scaffold466	18803	TT	CC	1940452206
SNP_P1_189745_18809	NW_004515930.1	Scaffold466	18809	AA	TT	1940452207
SNP_P1_189746_27781	NW_004515930.1	Scaffold466	27781	GG	TT	1940452208
SNP_P1_189747_28256	NW_004515930.1	Scaffold466	28256	AA	GG	1940452210
SNP_P1_189748_28263	NW_004515930.1	Scaffold466	28263	TT	AA	1940452211
SNP_P1_189749_30423	NW_004515930.1	Scaffold466	30423	CC	TT	1940452212
SNP_P1_189750_32079	NW_004515930.1	Scaffold466	32079	CC	TT	1940452213
SNP_P1_189751_38913	NW_004515930.1	Scaffold466	38913	TT	AA	1940452214
SNP_P1_189752_38943	NW_004515930.1	Scaffold466	38943	GG	AA	1940452215
SNP_P1_189753_38960	NW_004515930.1	Scaffold466	38960	AA	CC	1940452216
SNP_P1_189754_38987	NW_004515930.1	Scaffold466	38987	AA	GG	1940452217
SNP_P1_189755_38991	NW_004515930.1	Scaffold466	38991	CC	TT	1940452218
SNP_P1_189756_41314	NW_004515930.1	Scaffold466	41314	GG	CC	1940452219
SNP_P1_189757_43094	NW_004515930.1	Scaffold466	43094	GG	TT	1940452220
SNP_P1_189758_43261	NW_004515930.1	Scaffold466	43261	TT	GG	1940452221
SNP_P1_189759_43314	NW_004515930.1	Scaffold466	43314	AA	CC	1940452222
SNP_P1_189760_55905	NW_004515930.1	Scaffold466	55905	AA	GG	1940452223
SNP_P1_189761_62707	NW_004515930.1	Scaffold466	62707	CC	TT	1940452224
SNP_P1_189762_62773	NW_004515930.1	Scaffold466	62773	GG	AA	1940452225
SNP_P1_189763_62786	NW_004515930.1	Scaffold466	62786	GG	TT	1940452226
SNP_P1_189764_66245	NW_004515930.1	Scaffold466	66245	CC	TT	1940452227
SNP_P1_189765_66595	NW_004515930.1	Scaffold466	66595	TT	AA	1940452228
SNP_P1_189766_66679	NW_004515930.1	Scaffold466	66679	CC	AA	1940452229
SNP_P1_189767_74011	NW_004515930.1	Scaffold466	74011	GG	CC	1940452230
SNP_P1_189768_78077	NW_004515930.1	Scaffold466	78077	GG	AA	1940452231
SNP_P1_189769_81003	NW_004515930.1	Scaffold466	81003	TT	CC	1940452232
SNP_P1_189770_104868	NW_004515930.1	Scaffold466	104868	TT	CC	1940452233
SNP_P1_189771_111065	NW_004515930.1	Scaffold466	111065	CC	AA	1940452234
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SNP_P1_189773_133213	NW_004515930.1	Scaffold466	133213	TT	AA	1940452236
SNP_P1_189774_133235	NW_004515930.1	Scaffold466	133235	AA	GG	1940452237
SNP_P1_189775_133491	NW_004515930.1	Scaffold466	133491	CC	TT	1940452238
SNP_P1_189776_133555	NW_004515930.1	Scaffold466	133555	AA	GG	1940452239
SNP_P1_189777_153867	NW_004515930.1	Scaffold466	153867	GG	TT	1940452240
SNP_P1_189778_163977	NW_004515930.1	Scaffold466	163977	TT	GG	1940452241
SNP_P1_189779_163980	NW_004515930.1	Scaffold466	163980	TT	CC	1940452242
SNP_P1_189780_164008	NW_004515930.1	Scaffold466	164008	AA	GG	1940452243
SNP_P1_189781_164074	NW_004515930.1	Scaffold466	164074	TT	AA	1940452244
SNP_P1_189782_164081	NW_004515930.1	Scaffold466	164081	TT	CC	1940452245

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_189784_164106	NW_004515930.1	Scaffold466	164106	AA	GG	1940452247
SNP_P1_189785_164353	NW_004515930.1	Scaffold466	164353	CC	GG	1940452248
SNP_P1_189786_164358	NW_004515930.1	Scaffold466	164358	TT	GG	1940452249
SNP_P1_189787_164381	NW_004515930.1	Scaffold466	164381	AA	GG	1940452250
SNP_P1_189788_164387	NW_004515930.1	Scaffold466	164387	AA	GG	1940452251
SNP_P1_189789_164398	NW_004515930.1	Scaffold466	164398	AA	GG	1940452252
SNP_P1_189790_164410	NW_004515930.1	Scaffold466	164410	AA	GG	1940452253
SNP_P1_189791_164417	NW_004515930.1	Scaffold466	164417	TT	CC	1940452254
SNP_P1_189792_164575	NW_004515930.1	Scaffold466	164575	TT	CC	1940452255
SNP_P1_189793_164591	NW_004515930.1	Scaffold466	164591	AA	GG	1940452256
SNP_P1_189794_164597	NW_004515930.1	Scaffold466	164597	TT	CC	1940452257
SNP_P1_189795_164716	NW_004515930.1	Scaffold466	164716	AA	CC	1940452258
SNP_P1_189796_164823	NW_004515930.1	Scaffold466	164823	CC	TT	1940452259
SNP_P1_189797_165681	NW_004515930.1	Scaffold466	165681	CC	TT	1940452260
SNP_P1_189798_165695	NW_004515930.1	Scaffold466	165695	AA	CC	1940452261
SNP_P1_189799_165780	NW_004515930.1	Scaffold466	165780	TT	CC	1940452262
SNP_P1_189800_165844	NW_004515930.1	Scaffold466	165844	TT	CC	1940452263
SNP_P1_189801_166006	NW_004515930.1	Scaffold466	166006	TT	CC	1940452264
SNP_P1_189802_166114	NW_004515930.1	Scaffold466	166114	AA	GG	1940452265
SNP_P1_189803_166175	NW_004515930.1	Scaffold466	166175	TT	CC	1940452266
SNP_P1_189804_166211	NW_004515930.1	Scaffold466	166211	CC	TT	1940452267
SNP_P1_189805_166248	NW_004515930.1	Scaffold466	166248	TT	CC	1940452268
SNP_P1_189806_166249	NW_004515930.1	Scaffold466	166249	GG	CC	1940452269
SNP_P1_189807_166266	NW_004515930.1	Scaffold466	166266	AA	GG	1940452270
SNP_P1_189808_166788	NW_004515930.1	Scaffold466	166788	TT	CC	1940452271
SNP_P1_189809_166792	NW_004515930.1	Scaffold466	166792	AA	GG	1940452272
SNP_P1_189810_166836	NW_004515930.1	Scaffold466	166836	GG	AA	1940452273
SNP_P1_189811_166845	NW_004515930.1	Scaffold466	166845	AA	GG	1940452274
SNP_P1_189812_166850	NW_004515930.1	Scaffold466	166850	TT	CC	1940452275
SNP_P1_189813_166962	NW_004515930.1	Scaffold466	166962	TT	GG	1940452276
SNP_P1_189814_166971	NW_004515930.1	Scaffold466	166971	AA	GG	1940452277
SNP_P1_189815_166986	NW_004515930.1	Scaffold466	166986	TT	CC	1940452278
SNP_P1_189816_166993	NW_004515930.1	Scaffold466	166993	AA	GG	1940452279
SNP_P1_189817_167063	NW_004515930.1	Scaffold466	167063	AA	GG	1940452280
SNP_P1_189818_167507	NW_004515930.1	Scaffold466	167507	TT	CC	1940452281
SNP_P1_189819_167526	NW_004515930.1	Scaffold466	167526	TT	CC	1940452282
SNP_P1_189820_167565	NW_004515930.1	Scaffold466	167565	GG	AA	1940452283
SNP_P1_189821_167806	NW_004515930.1	Scaffold466	167806	AA	GG	1940452284
SNP_P1_189822_167838	NW_004515930.1	Scaffold466	167838	TT	AA	1940452285
SNP_P1_189823_167859	NW_004515930.1	Scaffold466	167859	TT	CC	1940452286
SNP_P1_189825_169627	NW_004515930.1	Scaffold466	169627	AA	CC	1940452287

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_189827_169640	NW_004515930.1	Scaffold466	169640	TT	AA	1940452289
SNP_P1_189828_169652	NW_004515930.1	Scaffold466	169652	TT	AA	1940452290
SNP_P1_189829_169654	NW_004515930.1	Scaffold466	169654	GG	AA	1940452291
SNP_P1_189830_169680	NW_004515930.1	Scaffold466	169680	AA	GG	1940452292
SNP_P1_189832_169767	NW_004515930.1	Scaffold466	169767	TT	CC	1940452293
SNP_P1_189833_169801	NW_004515930.1	Scaffold466	169801	AA	GG	1940452294
SNP_P1_189834_169819	NW_004515930.1	Scaffold466	169819	AA	TT	1940452295
SNP_P1_189835_169820	NW_004515930.1	Scaffold466	169820	TT	AA	1940452296
SNP_P1_189836_169821	NW_004515930.1	Scaffold466	169821	AA	CC	1940452297
SNP_P1_189837_169830	NW_004515930.1	Scaffold466	169830	AA	GG	1940452298
SNP_P1_189838_169831	NW_004515930.1	Scaffold466	169831	AA	GG	1940452299
SNP_P1_189839_169835	NW_004515930.1	Scaffold466	169835	TT	GG	1940452300
SNP_P1_189840_169836	NW_004515930.1	Scaffold466	169836	TT	CC	1940452301
SNP_P1_189841_169841	NW_004515930.1	Scaffold466	169841	AA	GG	1940452302
SNP_P1_189842_169852	NW_004515930.1	Scaffold466	169852	AA	GG	1940452303
SNP_P1_189843_169856	NW_004515930.1	Scaffold466	169856	AA	CC	1940452304
SNP_P1_189844_169875	NW_004515930.1	Scaffold466	169875	AA	GG	1940452305
SNP_P1_189845_169933	NW_004515930.1	Scaffold466	169933	GG	TT	1940452306
SNP_P1_189846_169974	NW_004515930.1	Scaffold466	169974	TT	CC	1940452307
SNP_P1_189848_171042	NW_004515930.1	Scaffold466	171042	CC	AA	1940452308
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SNP_P1_189850_171265	NW_004515930.1	Scaffold466	171265	GG	CC	1940452310
SNP_P1_189851_171285	NW_004515930.1	Scaffold466	171285	AA	GG	1940452311
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SNP_P1_189853_171305	NW_004515930.1	Scaffold466	171305	AA	GG	1940452313
SNP_P1_189854_171333	NW_004515930.1	Scaffold466	171333	AA	GG	1940452314
SNP_P1_189855_171347	NW_004515930.1	Scaffold466	171347	GG	AA	1940452315
SNP_P1_189856_171350	NW_004515930.1	Scaffold466	171350	TT	AA	1940452316
SNP_P1_189857_171363	NW_004515930.1	Scaffold466	171363	GG	CC	1940452317
SNP_P1_189858_171420	NW_004515930.1	Scaffold466	171420	CC	AA	1940452318
SNP_P1_189859_171480	NW_004515930.1	Scaffold466	171480	AA	CC	1940452319
SNP_P1_189860_171484	NW_004515930.1	Scaffold466	171484	AA	GG	1940452320
SNP_P1_189861_180794	NW_004515930.1	Scaffold466	180794	CC	GG	1940452321
SNP_P1_189862_181909	NW_004515930.1	Scaffold466	181909	TT	CC	1940452322
SNP_P1_189863_181910	NW_004515930.1	Scaffold466	181910	AA	GG	1940452323
SNP_P1_189864_190268	NW_004515930.1	Scaffold466	190268	TT	GG	1940452324
SNP_P1_189865_190278	NW_004515930.1	Scaffold466	190278	CC	TT	1940452325
SNP_P1_189866_206303	NW_004515930.1	Scaffold466	206303	TT	AA	1940452326
SNP_P1_189867_211926	NW_004515930.1	Scaffold466	211926	CC	GG	1940452327
SNP_P1_189868_212210	NW_004515930.1	Scaffold466	212210	GG	AA	1940452328
SNP_P1_189869_212218	NW_004515930.1	Scaffold466	212218	GG	AA	1940452329

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_189871_217337	NW_004515930.1	Scaffold466	217337	AA	GG	1940452331
SNP_P1_189872_221972	NW_004515930.1	Scaffold466	221972	TT	CC	1940452332
SNP_P1_189873_225488	NW_004515930.1	Scaffold466	225488	TT	CC	1940452333
SNP_P1_189874_241851	NW_004515930.1	Scaffold466	241851	GG	TT	1940452334
SNP_P1_189875_242937	NW_004515930.1	Scaffold466	242937	AA	GG	1940452335
SNP_P1_189876_246560	NW_004515930.1	Scaffold466	246560	AA	TT	1940452336
SNP_P1_189877_247930	NW_004515930.1	Scaffold466	247930	TT	CC	1940452337
SNP_P1_189878_254195	NW_004515930.1	Scaffold466	254195	CC	TT	1940452338
SNP_P1_189879_254235	NW_004515930.1	Scaffold466	254235	GG	AA	1940452339
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SNP_P1_189882_254315	NW_004515930.1	Scaffold466	254315	AA	TT	1940452341
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SNP_P1_189888_259120	NW_004515930.1	Scaffold466	259120	AA	TT	1940452348
SNP_P1_189890_264054	NW_004515930.1	Scaffold466	264054	CC	TT	1940452349
SNP_P1_189891_269746	NW_004515930.1	Scaffold466	269746	GG	AA	1940452350
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SNP_P1_189896_281522	NW_004515930.1	Scaffold466	281522	AA	GG	1940452355
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SNP_P1_189898_286224	NW_004515930.1	Scaffold466	286224	TT	AA	1940452357
SNP_P1_189899_286256	NW_004515930.1	Scaffold466	286256	GG	AA	1940452358
SNP_P1_189900_292880	NW_004515930.1	Scaffold466	292880	GG	AA	1940452359
SNP_P1_189901_292899	NW_004515930.1	Scaffold466	292899	AA	GG	1940452360
SNP_P1_189902_993	NW_004515931.1	Scaffold467	993	CC	TT	1940452361
SNP_P1_189903_3057	NW_004515931.1	Scaffold467	3057	GG	AA	1940452362
SNP_P1_189904_3452	NW_004515931.1	Scaffold467	3452	AA	TT	1940452363
SNP_P1_189906_3744	NW_004515931.1	Scaffold467	3744	GG	AA	1940452364
SNP_P1_189907_18417	NW_004515932.1	Scaffold469	18417	CC	AA	1940452365
SNP_P1_189908_18553	NW_004515932.1	Scaffold469	18553	GG	AA	1940452366
SNP_P1_189909_18570	NW_004515932.1	Scaffold469	18570	AA	CC	1940452367
SNP_P1_189910_18597	NW_004515932.1	Scaffold469	18597	AA	TT	1940452368
SNP_P1_189911_18702	NW_004515932.1	Scaffold469	18702	AA	GG	1940452369
SNP_P1_189912_18735	NW_004515932.1	Scaffold469	18735	CC	TT	1940452370
SNP_P1_189913_19190	NW_004515932.1	Scaffold469	19190	AA	GG	1940452371
SNP_P1_189914_19328	NW_004515932.1	Scaffold469	19328	AA	CC	1940452372

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_189916_19341	NW_004515932.1	Scaffold469	19341	AA	CC	1940452374
SNP_P1_189917_19343	NW_004515932.1	Scaffold469	19343	TT	CC	1940452375
SNP_P1_189918_19376	NW_004515932.1	Scaffold469	19376	AA	TT	1940452376
SNP_P1_189919_22079	NW_004515932.1	Scaffold469	22079	TT	GG	1940452377
SNP_P1_189920_33626	NW_004515932.1	Scaffold469	33626	AA	GG	1940452378
SNP_P1_189921_33628	NW_004515932.1	Scaffold469	33628	AA	GG	1940452379
SNP_P1_189922_45949	NW_004515932.1	Scaffold469	45949	AA	GG	1940452380
SNP_P1_189923_45954	NW_004515932.1	Scaffold469	45954	CC	TT	1940452381
SNP_P1_189924_46002	NW_004515932.1	Scaffold469	46002	TT	CC	1940452382
SNP_P1_189925_49156	NW_004515932.1	Scaffold469	49156	AA	CC	1940452383
SNP_P1_189926_51918	NW_004515932.1	Scaffold469	51918	GG	AA	1940452384
SNP_P1_189928_77552	NW_004515932.1	Scaffold469	77552	AA	GG	1940452385
SNP_P1_189929_78967	NW_004515932.1	Scaffold469	78967	GG	TT	1940452386
SNP_P1_189930_105802	NW_004515932.1	Scaffold469	105802	TT	CC	1940452387
SNP_P1_189931_110105	NW_004515932.1	Scaffold469	110105	CC	TT	1940452388
SNP_P1_189932_115146	NW_004515932.1	Scaffold469	115146	CC	TT	1940452389
SNP_P1_189933_135986	NW_004515932.1	Scaffold469	135986	AA	CC	1940452390
SNP_P1_189934_136412	NW_004515932.1	Scaffold469	136412	GG	AA	1940452391
SNP_P1_189935_149383	NW_004515932.1	Scaffold469	149383	AA	GG	1940452392
SNP_P1_189936_149463	NW_004515932.1	Scaffold469	149463	TT	GG	1940452393
SNP_P1_189937_150078	NW_004515932.1	Scaffold469	150078	AA	TT	1940452394
SNP_P1_189938_153738	NW_004515932.1	Scaffold469	153738	CC	AA	1940452395
SNP_P1_189939_193258	NW_004515932.1	Scaffold469	193258	TT	CC	1940452396
SNP_P1_189940_208019	NW_004515932.1	Scaffold469	208019	CC	TT	1940452397
SNP_P1_189941_208315	NW_004515932.1	Scaffold469	208315	AA	CC	1940452398
SNP_P1_189942_208324	NW_004515932.1	Scaffold469	208324	GG	AA	1940452399
SNP_P1_189943_219017	NW_004515932.1	Scaffold469	219017	CC	TT	1940452400
SNP_P1_189944_219462	NW_004515932.1	Scaffold469	219462	TT	CC	1940452401
SNP_P1_189945_219522	NW_004515932.1	Scaffold469	219522	TT	AA	1940452402
SNP_P1_189946_220199	NW_004515932.1	Scaffold469	220199	TT	AA	1940452403
SNP_P1_189947_222747	NW_004515932.1	Scaffold469	222747	GG	TT	1940452404
SNP_P1_189948_226297	NW_004515932.1	Scaffold469	226297	CC	GG	1940452405
SNP_P1_189949_4290	NW_004515933.1	Scaffold470	4290	GG	TT	1940452406
SNP_P1_189950_31754	NW_004515933.1	Scaffold470	31754	TT	CC	1940452407
SNP_P1_189951_31761	NW_004515933.1	Scaffold470	31761	TT	AA	1940452408
SNP_P1_189952_42718	NW_004515933.1	Scaffold470	42718	GG	AA	1940452409
SNP_P1_189953_42939	NW_004515933.1	Scaffold470	42939	TT	CC	1940452410
SNP_P1_189954_42978	NW_004515933.1	Scaffold470	42978	TT	AA	1940452411
SNP_P1_189955_43062	NW_004515933.1	Scaffold470	43062	AA	GG	1940452412
SNP_P1_189956_43228	NW_004515933.1	Scaffold470	43228	AA	GG	1940452413
SNP_P1_189957_45989	NW_004515933.1	Scaffold470	45989	TT	CC	1940452414

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_189958_45990	NW_004515933.1	Scaffold470	45990	TT	CC	1940452415
SNP_P1_189959_46004	NW_004515933.1	Scaffold470	46004	GG	TT	1940452416
SNP_P1_189961_114012	NW_004515933.1	Scaffold470	114012	CC	TT	1940452417
SNP_P1_189962_126335	NW_004515933.1	Scaffold470	126335	GG	TT	1940452418
SNP_P1_189963_128098	NW_004515933.1	Scaffold470	128098	AA	GG	1940452419
SNP_P1_189966_185956	NW_004515933.1	Scaffold470	185956	AA	TT	1940452420
SNP_P1_189967_186026	NW_004515933.1	Scaffold470	186026	GG	AA	1940452421
SNP_P1_189969_186805	NW_004515933.1	Scaffold470	186805	TT	AA	1940452422
SNP_P1_189970_186809	NW_004515933.1	Scaffold470	186809	CC	TT	1940452423
SNP_P1_189972_214021	NW_004515933.1	Scaffold470	214021	GG	CC	1940452424
SNP_P1_189973_214030	NW_004515933.1	Scaffold470	214030	TT	GG	1940452425
SNP_P1_189974_224172	NW_004515933.1	Scaffold470	224172	AA	GG	1940452426
SNP_P1_189975_287604	NW_004515933.1	Scaffold470	287604	AA	GG	1940452427
SNP_P1_189976_287644	NW_004515933.1	Scaffold470	287644	AA	CC	1940452428
SNP_P1_189977_287863	NW_004515933.1	Scaffold470	287863	GG	TT	1940452429
SNP_P1_189978_287909	NW_004515933.1	Scaffold470	287909	CC	TT	1940452430
SNP_P1_189979_288916	NW_004515933.1	Scaffold470	288916	CC	TT	1940452431
SNP_P1_189980_293443	NW_004515933.1	Scaffold470	293443	CC	GG	1940452432
SNP_P1_189981_297385	NW_004515933.1	Scaffold470	297385	TT	AA	1940452433
SNP_P1_189982_297386	NW_004515933.1	Scaffold470	297386	TT	CC	1940452434
SNP_P1_189984_319953	NW_004515933.1	Scaffold470	319953	TT	CC	1940452435
SNP_P1_189985_321637	NW_004515933.1	Scaffold470	321637	TT	GG	1940452436
SNP_P1_189986_321728	NW_004515933.1	Scaffold470	321728	AA	GG	1940452437
SNP_P1_189987_321981	NW_004515933.1	Scaffold470	321981	AA	GG	1940452438
SNP_P1_189988_322009	NW_004515933.1	Scaffold470	322009	AA	TT	1940452439
SNP_P1_189989_322010	NW_004515933.1	Scaffold470	322010	AA	CC	1940452440
SNP_P1_189990_322020	NW_004515933.1	Scaffold470	322020	CC	TT	1940452441
SNP_P1_189991_322037	NW_004515933.1	Scaffold470	322037	TT	AA	1940452442
SNP_P1_189992_322066	NW_004515933.1	Scaffold470	322066	AA	TT	1940452443
SNP_P1_189993_322090	NW_004515933.1	Scaffold470	322090	GG	AA	1940452444
SNP_P1_189994_322115	NW_004515933.1	Scaffold470	322115	AA	GG	1940452445
SNP_P1_189995_322116	NW_004515933.1	Scaffold470	322116	TT	AA	1940452446
SNP_P1_189996_335893	NW_004515933.1	Scaffold470	335893	AA	GG	1940452447
SNP_P1_189997_335999	NW_004515933.1	Scaffold470	335999	GG	AA	1940452448
SNP_P1_189998_336035	NW_004515933.1	Scaffold470	336035	CC	TT	1940452449
SNP_P1_189999_336075	NW_004515933.1	Scaffold470	336075	TT	CC	1940452450
SNP_P1_190000_336090	NW_004515933.1	Scaffold470	336090	GG	AA	1940452451
SNP_P1_190001_336106	NW_004515933.1	Scaffold470	336106	GG	AA	1940452452
SNP_P1_190002_336119	NW_004515933.1	Scaffold470	336119	AA	TT	1940452453
SNP_P1_190003_336127	NW_004515933.1	Scaffold470	336127	CC	TT	1940452454
SNP_P1_190004_336172	NW_004515933.1	Scaffold470	336172	CC	TT	1940452455
SNP_P1_190005_336193	NW_004515933.1	Scaffold470	336193	AA	TT	1940452456

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_190006_336208	NW_004515933.1	Scaffold470	336208	AA	GG	1940452457
SNP_P1_190007_336246	NW_004515933.1	Scaffold470	336246	AA	TT	1940452458
SNP_P1_190008_336252	NW_004515933.1	Scaffold470	336252	AA	TT	1940452459
SNP_P1_190010_336375	NW_004515933.1	Scaffold470	336375	GG	TT	1940452460
SNP_P1_190011_336393	NW_004515933.1	Scaffold470	336393	AA	TT	1940452461
SNP_P1_190012_336417	NW_004515933.1	Scaffold470	336417	TT	AA	1940452462
SNP_P1_190013_336450	NW_004515933.1	Scaffold470	336450	TT	CC	1940452463
SNP_P1_190014_336559	NW_004515933.1	Scaffold470	336559	GG	AA	1940452464
SNP_P1_190015_336560	NW_004515933.1	Scaffold470	336560	AA	TT	1940452465
SNP_P1_190016_336672	NW_004515933.1	Scaffold470	336672	GG	AA	1940452466
SNP_P1_190017_336818	NW_004515933.1	Scaffold470	336818	CC	TT	1940452467
SNP_P1_190018_336871	NW_004515933.1	Scaffold470	336871	AA	TT	1940452468
SNP_P1_190019_336928	NW_004515933.1	Scaffold470	336928	TT	AA	1940452469
SNP_P1_190020_337671	NW_004515933.1	Scaffold470	337671	GG	AA	1940452470
SNP_P1_190021_337674	NW_004515933.1	Scaffold470	337674	GG	AA	1940452471
SNP_P1_190022_340070	NW_004515933.1	Scaffold470	340070	AA	TT	1940452472
SNP_P1_190023_342643	NW_004515933.1	Scaffold470	342643	AA	GG	1940452473
SNP_P1_190024_343029	NW_004515933.1	Scaffold470	343029	TT	CC	1940452474
SNP_P1_190025_343039	NW_004515933.1	Scaffold470	343039	TT	AA	1940452475
SNP_P1_190026_348038	NW_004515933.1	Scaffold470	348038	CC	TT	1940452476
SNP_P1_190027_348223	NW_004515933.1	Scaffold470	348223	AA	GG	1940452477
SNP_P1_190028_348242	NW_004515933.1	Scaffold470	348242	CC	AA	1940452478
SNP_P1_190029_348249	NW_004515933.1	Scaffold470	348249	GG	AA	1940452479
SNP_P1_190030_348369	NW_004515933.1	Scaffold470	348369	TT	CC	1940452480
SNP_P1_190031_348434	NW_004515933.1	Scaffold470	348434	TT	GG	1940452481
SNP_P1_190032_348445	NW_004515933.1	Scaffold470	348445	AA	GG	1940452482
SNP_P1_190033_348471	NW_004515933.1	Scaffold470	348471	TT	GG	1940452483
SNP_P1_190034_348475	NW_004515933.1	Scaffold470	348475	AA	CC	1940452484
SNP_P1_190035_348637	NW_004515933.1	Scaffold470	348637	AA	TT	1940452485
SNP_P1_190036_348713	NW_004515933.1	Scaffold470	348713	AA	CC	1940452486
SNP_P1_190037_349186	NW_004515933.1	Scaffold470	349186	TT	GG	1940452487
SNP_P1_190038_349459	NW_004515933.1	Scaffold470	349459	TT	CC	1940452488
SNP_P1_190039_349488	NW_004515933.1	Scaffold470	349488	TT	CC	1940452489
SNP_P1_190040_352865	NW_004515933.1	Scaffold470	352865	AA	TT	1940452490
SNP_P1_190041_362211	NW_004515933.1	Scaffold470	362211	TT	CC	1940452491
SNP_P1_190043_367102	NW_004515933.1	Scaffold470	367102	GG	AA	1940452492
SNP_P1_190044_367128	NW_004515933.1	Scaffold470	367128	CC	GG	1940452493
SNP_P1_190045_367173	NW_004515933.1	Scaffold470	367173	AA	CC	1940452494
SNP_P1_190046_368453	NW_004515933.1	Scaffold470	368453	GG	AA	1940452496
SNP_P1_190047_368685	NW_004515933.1	Scaffold470	368685	GG	AA	1940452497
SNP_P1_190048_369179	NW_004515933.1	Scaffold470	369179	TT	GG	1940452498
SNP_P1_190049_369250	NW_004515933.1	Scaffold470	369250	TT	CC	1940452499

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_190050_369656	NW_004515933.1	Scaffold470	369656	TT	GG	1940452500
SNP_P1_190051_370461	NW_004515933.1	Scaffold470	370461	CC	TT	1940452501
SNP_P1_190052_370478	NW_004515933.1	Scaffold470	370478	GG	AA	1940452502
SNP_P1_190054_370639	NW_004515933.1	Scaffold470	370639	GG	AA	1940452503
SNP_P1_190056_370833	NW_004515933.1	Scaffold470	370833	AA	GG	1940452504
SNP_P1_190057_370908	NW_004515933.1	Scaffold470	370908	AA	TT	1940452505
SNP_P1_190058_371299	NW_004515933.1	Scaffold470	371299	GG	CC	1940452506
SNP_P1_190059_371308	NW_004515933.1	Scaffold470	371308	TT	CC	1940452507
SNP_P1_190060_372122	NW_004515933.1	Scaffold470	372122	CC	AA	1940452508
SNP_P1_190061_372188	NW_004515933.1	Scaffold470	372188	CC	TT	1940452509
SNP_P1_190062_372246	NW_004515933.1	Scaffold470	372246	TT	CC	1940452510
SNP_P1_190063_372407	NW_004515933.1	Scaffold470	372407	CC	TT	1940452511
SNP_P1_190064_372610	NW_004515933.1	Scaffold470	372610	CC	TT	1940452512
SNP_P1_190066_372805	NW_004515933.1	Scaffold470	372805	CC	TT	1940452513
SNP_P1_190067_373041	NW_004515933.1	Scaffold470	373041	TT	CC	1940452514
SNP_P1_190068_373101	NW_004515933.1	Scaffold470	373101	TT	GG	1940452515
SNP_P1_190069_373103	NW_004515933.1	Scaffold470	373103	TT	AA	1940452516
SNP_P1_190070_373290	NW_004515933.1	Scaffold470	373290	CC	GG	1940452517
SNP_P1_190071_373396	NW_004515933.1	Scaffold470	373396	CC	AA	1940452518
SNP_P1_190072_373578	NW_004515933.1	Scaffold470	373578	AA	CC	1940452519
SNP_P1_190073_373971	NW_004515933.1	Scaffold470	373971	TT	CC	1940452520
SNP_P1_190074_374262	NW_004515933.1	Scaffold470	374262	CC	AA	1940452521
SNP_P1_190075_374414	NW_004515933.1	Scaffold470	374414	CC	TT	1940452522
SNP_P1_190076_375854	NW_004515933.1	Scaffold470	375854	TT	CC	1940452523
SNP_P1_190078_377042	NW_004515933.1	Scaffold470	377042	CC	TT	1940452524
SNP_P1_190079_377105	NW_004515933.1	Scaffold470	377105	GG	AA	1940452525
SNP_P1_190080_377536	NW_004515933.1	Scaffold470	377536	GG	AA	1940452526
SNP_P1_190081_377631	NW_004515933.1	Scaffold470	377631	GG	TT	1940452527
SNP_P1_190082_377812	NW_004515933.1	Scaffold470	377812	CC	TT	1940452528
SNP_P1_190083_380037	NW_004515933.1	Scaffold470	380037	CC	TT	1940452529
SNP_P1_190084_380298	NW_004515933.1	Scaffold470	380298	TT	CC	1940452530
SNP_P1_190085_382476	NW_004515933.1	Scaffold470	382476	AA	TT	1940452531
SNP_P1_190086_383895	NW_004515933.1	Scaffold470	383895	GG	CC	1940452532
SNP_P1_190087_385999	NW_004515933.1	Scaffold470	385999	CC	TT	1940452533
SNP_P1_190088_386302	NW_004515933.1	Scaffold470	386302	TT	CC	1940452534
SNP_P1_190089_387140	NW_004515933.1	Scaffold470	387140	GG	AA	1940452535
SNP_P1_190090_389623	NW_004515933.1	Scaffold470	389623	TT	CC	1940452536
SNP_P1_190091_389700	NW_004515933.1	Scaffold470	389700	TT	CC	1940452537
SNP_P1_190092_389750	NW_004515933.1	Scaffold470	389750	TT	GG	1940452538
SNP_P1_190093_389794	NW_004515933.1	Scaffold470	389794	TT	CC	1940452539
SNP_P1_190094_390002	NW_004515933.1	Scaffold470	390002	CC	TT	1940452540
SNP_P1_190095_390093	NW_004515933.1	Scaffold470	390093	GG	CC	1940452541

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_190096_1053	NW_004515934.1	Scaffold471	1053	CC	TT	1940452542
SNP_P1_190097_1498	NW_004515934.1	Scaffold471	1498	TT	GG	1940452543
SNP_P1_190098_1518	NW_004515934.1	Scaffold471	1518	AA	GG	1940452544
SNP_P1_190099_5883	NW_004515935.1	Scaffold473	5883	CC	GG	1940452545
SNP_P1_190100_6306	NW_004515935.1	Scaffold473	6306	AA	GG	1940452546
SNP_P1_190101_6328	NW_004515935.1	Scaffold473	6328	CC	AA	1940452547
SNP_P1_190102_6335	NW_004515935.1	Scaffold473	6335	AA	GG	1940452548
SNP_P1_190103_6397	NW_004515935.1	Scaffold473	6397	CC	TT	1940452549
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SNP_P1_190107_12918	NW_004515935.1	Scaffold473	12918	GG	TT	1940452553
SNP_P1_190108_12997	NW_004515935.1	Scaffold473	12997	GG	CC	1940452554
SNP_P1_190109_13092	NW_004515935.1	Scaffold473	13092	AA	GG	1940452555
SNP_P1_190110_13098	NW_004515935.1	Scaffold473	13098	AA	TT	1940452556
SNP_P1_190111_13099	NW_004515935.1	Scaffold473	13099	CC	GG	1940452557
SNP_P1_190112_13215	NW_004515935.1	Scaffold473	13215	TT	AA	1940452558
SNP_P1_190113_13253	NW_004515935.1	Scaffold473	13253	AA	CC	1940452559
SNP_P1_190115_13323	NW_004515935.1	Scaffold473	13323	AA	GG	1940452560
SNP_P1_190116_13331	NW_004515935.1	Scaffold473	13331	AA	GG	1940452561
SNP_P1_190117_30356	NW_004515935.1	Scaffold473	30356	GG	TT	1940452562
SNP_P1_190118_3585	NW_004515936.1	Scaffold475	3585	GG	TT	1940452563
SNP_P1_190119_9858	NW_004515936.1	Scaffold475	9858	CC	TT	1940452564
SNP_P1_190120_13937	NW_004515936.1	Scaffold475	13937	GG	AA	1940452565
SNP_P1_190121_20221	NW_004515936.1	Scaffold475	20221	TT	CC	1940452566
SNP_P1_190122_20255	NW_004515936.1	Scaffold475	20255	AA	GG	1940452567
SNP_P1_190123_22960	NW_004515936.1	Scaffold475	22960	GG	CC	1940452568
SNP_P1_190124_23137	NW_004515936.1	Scaffold475	23137	AA	GG	1940452569
SNP_P1_190125_23138	NW_004515936.1	Scaffold475	23138	AA	GG	1940452570
SNP_P1_190126_34497	NW_004515936.1	Scaffold475	34497	AA	GG	1940452571
SNP_P1_190127_34516	NW_004515936.1	Scaffold475	34516	CC	TT	1940452572
SNP_P1_190128_34948	NW_004515936.1	Scaffold475	34948	CC	TT	1940452573
SNP_P1_190129_35066	NW_004515936.1	Scaffold475	35066	TT	AA	1940452574
SNP_P1_190130_35130	NW_004515936.1	Scaffold475	35130	TT	AA	1940452575
SNP_P1_190131_36513	NW_004515936.1	Scaffold475	36513	AA	TT	1940452576
SNP_P1_190132_36713	NW_004515936.1	Scaffold475	36713	AA	CC	1940452577
SNP_P1_190133_36714	NW_004515936.1	Scaffold475	36714	TT	CC	1940452578
SNP_P1_190134_36715	NW_004515936.1	Scaffold475	36715	GG	AA	1940452579
SNP_P1_190135_39572	NW_004515936.1	Scaffold475	39572	GG	AA	1940452580
SNP_P1_190136_44299	NW_004515936.1	Scaffold475	44299	CC	AA	1940452581
SNP_P1_190137_44359	NW_004515936.1	Scaffold475	44359	GG	CC	1940452582
SNP_P1_190138_50257	NW_004515936.1	Scaffold475	50257	AA	GG	1940452583

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190140_50261	NW_004515936.1	Scaffold475	50261	AA	GG	1940452585
SNP_P1_190141_56533	NW_004515936.1	Scaffold475	56533	TT	AA	1940452586
SNP_P1_190142_57477	NW_004515936.1	Scaffold475	57477	GG	AA	1940452587
SNP_P1_190143_57873	NW_004515936.1	Scaffold475	57873	TT	GG	1940452588
SNP_P1_190144_69012	NW_004515936.1	Scaffold475	69012	AA	TT	1940452589
SNP_P1_190145_73346	NW_004515936.1	Scaffold475	73346	CC	TT	1940452590
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SNP_P1_190147_79281	NW_004515936.1	Scaffold475	79281	CC	GG	1940452592
SNP_P1_190148_79336	NW_004515936.1	Scaffold475	79336	AA	TT	1940452593
SNP_P1_190149_80920	NW_004515936.1	Scaffold475	80920	TT	CC	1940452594
SNP_P1_190150_84082	NW_004515936.1	Scaffold475	84082	CC	TT	1940452595
SNP_P1_190151_84150	NW_004515936.1	Scaffold475	84150	TT	GG	1940452596
SNP_P1_190152_84331	NW_004515936.1	Scaffold475	84331	CC	TT	1940452597
SNP_P1_190153_84366	NW_004515936.1	Scaffold475	84366	TT	AA	1940452598
SNP_P1_190154_88872	NW_004515936.1	Scaffold475	88872	AA	GG	1940452599
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SNP_P1_190156_89266	NW_004515936.1	Scaffold475	89266	TT	CC	1940452601
SNP_P1_190157_89286	NW_004515936.1	Scaffold475	89286	TT	CC	1940452602
SNP_P1_190158_89289	NW_004515936.1	Scaffold475	89289	AA	CC	1940452603
SNP_P1_190159_89295	NW_004515936.1	Scaffold475	89295	TT	CC	1940452604
SNP_P1_190160_93052	NW_004515936.1	Scaffold475	93052	AA	CC	1940452605
SNP_P1_190161_93453	NW_004515936.1	Scaffold475	93453	GG	CC	1940452606
SNP_P1_190162_124231	NW_004515936.1	Scaffold475	124231	AA	GG	1940452607
SNP_P1_190163_126389	NW_004515936.1	Scaffold475	126389	CC	TT	1940452608
SNP_P1_190164_127031	NW_004515936.1	Scaffold475	127031	TT	CC	1940452609
SNP_P1_190165_130700	NW_004515936.1	Scaffold475	130700	TT	GG	1940452610
SNP_P1_190166_133285	NW_004515936.1	Scaffold475	133285	AA	GG	1940452611
SNP_P1_190167_133288	NW_004515936.1	Scaffold475	133288	TT	GG	1940452612
SNP_P1_190168_140822	NW_004515936.1	Scaffold475	140822	AA	GG	1940452613
SNP_P1_190169_140826	NW_004515936.1	Scaffold475	140826	GG	TT	1940452614
SNP_P1_190170_140907	NW_004515936.1	Scaffold475	140907	TT	CC	1940452615
SNP_P1_190171_141120	NW_004515936.1	Scaffold475	141120	AA	GG	1940452616
SNP_P1_190173_141228	NW_004515936.1	Scaffold475	141228	TT	GG	1940452617
SNP_P1_190174_141573	NW_004515936.1	Scaffold475	141573	GG	CC	1940452618
SNP_P1_190175_144184	NW_004515936.1	Scaffold475	144184	AA	GG	1940452619
SNP_P1_190176_144346	NW_004515936.1	Scaffold475	144346	TT	CC	1940452620
SNP_P1_190177_144470	NW_004515936.1	Scaffold475	144470	AA	TT	1940452621
SNP_P1_190178_144483	NW_004515936.1	Scaffold475	144483	GG	CC	1940452622
SNP_P1_190179_144507	NW_004515936.1	Scaffold475	144507	TT	CC	1940452623
SNP_P1_190180_144509	NW_004515936.1	Scaffold475	144509	AA	CC	1940452624
SNP_P1_190181_144902	NW_004515936.1	Scaffold475	144902	TT	CC	1940452625

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190183_144942	NW_004515936.1	Scaffold475	144942	TT	AA	1940452627
SNP_P1_190184_144995	NW_004515936.1	Scaffold475	144995	CC	TT	1940452628
SNP_P1_190185_145006	NW_004515936.1	Scaffold475	145006	TT	AA	1940452629
SNP_P1_190186_145013	NW_004515936.1	Scaffold475	145013	AA	GG	1940452630
SNP_P1_190187_145025	NW_004515936.1	Scaffold475	145025	TT	GG	1940452631
SNP_P1_190188_145070	NW_004515936.1	Scaffold475	145070	AA	GG	1940452632
SNP_P1_190189_145178	NW_004515936.1	Scaffold475	145178	AA	GG	1940452633
SNP_P1_190190_145201	NW_004515936.1	Scaffold475	145201	AA	GG	1940452634
SNP_P1_190191_145386	NW_004515936.1	Scaffold475	145386	TT	CC	1940452635
SNP_P1_190192_145389	NW_004515936.1	Scaffold475	145389	GG	CC	1940452636
SNP_P1_190193_145454	NW_004515936.1	Scaffold475	145454	AA	GG	1940452637
SNP_P1_190194_149204	NW_004515936.1	Scaffold475	149204	CC	AA	1940452638
SNP_P1_190195_149782	NW_004515936.1	Scaffold475	149782	CC	AA	1940452639
SNP_P1_190196_149873	NW_004515936.1	Scaffold475	149873	TT	AA	1940452640
SNP_P1_190197_150041	NW_004515936.1	Scaffold475	150041	CC	TT	1940452642
SNP_P1_190198_150116	NW_004515936.1	Scaffold475	150116	AA	GG	1940452643
SNP_P1_190199_150864	NW_004515936.1	Scaffold475	150864	AA	CC	1940452644
SNP_P1_190201_163134	NW_004515936.1	Scaffold475	163134	TT	GG	1940452645
SNP_P1_190202_163218	NW_004515936.1	Scaffold475	163218	TT	CC	1940452646
SNP_P1_190203_163225	NW_004515936.1	Scaffold475	163225	AA	GG	1940452647
SNP_P1_190204_163253	NW_004515936.1	Scaffold475	163253	TT	GG	1940452648
SNP_P1_190205_163296	NW_004515936.1	Scaffold475	163296	AA	CC	1940452649
SNP_P1_190206_163316	NW_004515936.1	Scaffold475	163316	GG	CC	1940452650
SNP_P1_190207_163332	NW_004515936.1	Scaffold475	163332	TT	CC	1940452651
SNP_P1_190208_163367	NW_004515936.1	Scaffold475	163367	GG	CC	1940452652
SNP_P1_190209_163389	NW_004515936.1	Scaffold475	163389	TT	CC	1940452653
SNP_P1_190210_163424	NW_004515936.1	Scaffold475	163424	AA	GG	1940452654
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SNP_P1_190213_163467	NW_004515936.1	Scaffold475	163467	TT	GG	1940452657
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SNP_P1_190218_163755	NW_004515936.1	Scaffold475	163755	CC	AA	1940452662
SNP_P1_190219_163786	NW_004515936.1	Scaffold475	163786	TT	CC	1940452663
SNP_P1_190220_163787	NW_004515936.1	Scaffold475	163787	AA	GG	1940452664
SNP_P1_190221_163824	NW_004515936.1	Scaffold475	163824	CC	TT	1940452665
SNP_P1_190222_163825	NW_004515936.1	Scaffold475	163825	AA	GG	1940452666
SNP_P1_190223_163850	NW_004515936.1	Scaffold475	163850	TT	GG	1940452667
SNP_P1_190224_163886	NW_004515936.1	Scaffold475	163886	AA	CC	1940452668

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190226_164259	NW_004515936.1	Scaffold475	164259	TT	CC	1940452670
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SNP_P1_190228_164409	NW_004515936.1	Scaffold475	164409	GG	TT	1940452672
SNP_P1_190229_167552	NW_004515936.1	Scaffold475	167552	TT	CC	1940452673
SNP_P1_190230_167779	NW_004515936.1	Scaffold475	167779	TT	GG	1940452674
SNP_P1_190231_168035	NW_004515936.1	Scaffold475	168035	TT	AA	1940452675
SNP_P1_190233_174726	NW_004515936.1	Scaffold475	174726	AA	TT	1940452676
SNP_P1_190234_174744	NW_004515936.1	Scaffold475	174744	AA	TT	1940452677
SNP_P1_190235_174775	NW_004515936.1	Scaffold475	174775	AA	TT	1940452678
SNP_P1_190236_175023	NW_004515936.1	Scaffold475	175023	AA	GG	1940452679
SNP_P1_190237_175112	NW_004515936.1	Scaffold475	175112	CC	GG	1940452680
SNP_P1_190238_175115	NW_004515936.1	Scaffold475	175115	GG	AA	1940452681
SNP_P1_190239_175193	NW_004515936.1	Scaffold475	175193	AA	CC	1940452682
SNP_P1_190240_175341	NW_004515936.1	Scaffold475	175341	AA	CC	1940452683
SNP_P1_190241_175353	NW_004515936.1	Scaffold475	175353	TT	GG	1940452684
SNP_P1_190242_180182	NW_004515936.1	Scaffold475	180182	GG	TT	1940452685
SNP_P1_190243_189681	NW_004515936.1	Scaffold475	189681	GG	TT	1940452686
SNP_P1_190244_189685	NW_004515936.1	Scaffold475	189685	AA	CC	1940452687
SNP_P1_190245_189701	NW_004515936.1	Scaffold475	189701	AA	GG	1940452688
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SNP_P1_190247_189762	NW_004515936.1	Scaffold475	189762	GG	AA	1940452690
SNP_P1_190248_189778	NW_004515936.1	Scaffold475	189778	TT	AA	1940452691
SNP_P1_190249_189810	NW_004515936.1	Scaffold475	189810	AA	TT	1940452692
SNP_P1_190250_190153	NW_004515936.1	Scaffold475	190153	CC	TT	1940452693
SNP_P1_190251_190477	NW_004515936.1	Scaffold475	190477	AA	GG	1940452694
SNP_P1_190252_190491	NW_004515936.1	Scaffold475	190491	AA	GG	1940452695
SNP_P1_190253_60	NW_004515937.1	Scaffold476	60	CC	AA	1940452696
SNP_P1_190254_77	NW_004515937.1	Scaffold476	77	GG	TT	1940452697
SNP_P1_190255_172	NW_004515937.1	Scaffold476	172	AA	TT	1940452698
SNP_P1_190256_224	NW_004515937.1	Scaffold476	224	TT	CC	1940452699
SNP_P1_190257_236	NW_004515937.1	Scaffold476	236	CC	AA	1940452700
SNP_P1_190258_295	NW_004515937.1	Scaffold476	295	CC	TT	1940452701
SNP_P1_190259_308	NW_004515937.1	Scaffold476	308	TT	CC	1940452702
SNP_P1_190260_401	NW_004515937.1	Scaffold476	401	GG	CC	1940452703
SNP_P1_190261_420	NW_004515937.1	Scaffold476	420	CC	TT	1940452704
SNP_P1_190262_604	NW_004515937.1	Scaffold476	604	AA	TT	1940452705
SNP_P1_190263_645	NW_004515937.1	Scaffold476	645	GG	AA	1940452706
SNP_P1_190264_724	NW_004515937.1	Scaffold476	724	AA	CC	1940452707
SNP_P1_190265_763	NW_004515937.1	Scaffold476	763	AA	GG	1940452708
SNP_P1_190266_814	NW_004515937.1	Scaffold476	814	TT	CC	1940452709
SNP_P1_190267_1007	NW_004515937.1	Scaffold476	1007	GG	TT	1940452710

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190269_1183	NW_004515937.1	Scaffold476	1183	AA	CC	1940452712
SNP_P1_190270_1223	NW_004515937.1	Scaffold476	1223	TT	GG	1940452713
SNP_P1_190271_1307	NW_004515937.1	Scaffold476	1307	CC	AA	1940452714
SNP_P1_190272_1350	NW_004515937.1	Scaffold476	1350	TT	GG	1940452715
SNP_P1_190273_1370	NW_004515937.1	Scaffold476	1370	TT	AA	1940452716
SNP_P1_190274_1567	NW_004515937.1	Scaffold476	1567	TT	CC	1940452717
SNP_P1_190275_3822	NW_004515937.1	Scaffold476	3822	AA	GG	1940452718
SNP_P1_190276_3843	NW_004515937.1	Scaffold476	3843	AA	GG	1940452719
SNP_P1_190277_4215	NW_004515937.1	Scaffold476	4215	AA	GG	1940452720
SNP_P1_190278_4219	NW_004515937.1	Scaffold476	4219	TT	CC	1940452721
SNP_P1_190279_6201	NW_004515937.1	Scaffold476	6201	CC	GG	1940452722
SNP_P1_190280_6944	NW_004515937.1	Scaffold476	6944	TT	GG	1940452723
SNP_P1_190281_7276	NW_004515937.1	Scaffold476	7276	AA	GG	1940452724
SNP_P1_190282_9869	NW_004515937.1	Scaffold476	9869	GG	AA	1940452725
SNP_P1_190283_9877	NW_004515937.1	Scaffold476	9877	GG	AA	1940452726
SNP_P1_190284_9883	NW_004515937.1	Scaffold476	9883	CC	TT	1940452727
SNP_P1_190285_9888	NW_004515937.1	Scaffold476	9888	CC	TT	1940452728
SNP_P1_190286_10250	NW_004515937.1	Scaffold476	10250	TT	GG	1940452729
SNP_P1_190287_10502	NW_004515937.1	Scaffold476	10502	TT	CC	1940452730
SNP_P1_190288_10548	NW_004515937.1	Scaffold476	10548	GG	AA	1940452731
SNP_P1_190289_10640	NW_004515937.1	Scaffold476	10640	TT	CC	1940452732
SNP_P1_190290_10688	NW_004515937.1	Scaffold476	10688	AA	TT	1940452733
SNP_P1_190291_10775	NW_004515937.1	Scaffold476	10775	CC	GG	1940452734
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SNP_P1_190294_10930	NW_004515937.1	Scaffold476	10930	TT	CC	1940452737
SNP_P1_190295_10961	NW_004515937.1	Scaffold476	10961	AA	GG	1940452738
SNP_P1_190296_11018	NW_004515937.1	Scaffold476	11018	AA	GG	1940452739
SNP_P1_190297_11100	NW_004515937.1	Scaffold476	11100	TT	AA	1940452740
SNP_P1_190298_11423	NW_004515937.1	Scaffold476	11423	GG	AA	1940452741
SNP_P1_190299_11426	NW_004515937.1	Scaffold476	11426	GG	AA	1940452742
SNP_P1_190300_11440	NW_004515937.1	Scaffold476	11440	AA	GG	1940452743
SNP_P1_190301_11472	NW_004515937.1	Scaffold476	11472	CC	GG	1940452744
SNP_P1_190302_4449	NW_004515938.1	Scaffold477	4449	TT	CC	1940452745
SNP_P1_190303_4705	NW_004515938.1	Scaffold477	4705	CC	GG	1940452746
SNP_P1_190304_5406	NW_004515938.1	Scaffold477	5406	CC	GG	1940452747
SNP_P1_190305_6452	NW_004515938.1	Scaffold477	6452	CC	TT	1940452748
SNP_P1_190306_6510	NW_004515938.1	Scaffold477	6510	CC	TT	1940452749
SNP_P1_190307_6705	NW_004515938.1	Scaffold477	6705	AA	GG	1940452750
SNP_P1_190308_7149	NW_004515938.1	Scaffold477	7149	TT	CC	1940452751
SNP_P1_190309_7264	NW_004515938.1	Scaffold477	7264	GG	AA	1940452752

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190311_8303	NW_004515938.1	Scaffold477	8303	GG	AA	1940452754
SNP_P1_190312_8790	NW_004515938.1	Scaffold477	8790	TT	CC	1940452755
SNP_P1_190313_9157	NW_004515938.1	Scaffold477	9157	AA	GG	1940452756
SNP_P1_190314_9381	NW_004515938.1	Scaffold477	9381	CC	GG	1940452757
SNP_P1_190315_9416	NW_004515938.1	Scaffold477	9416	CC	GG	1940452758
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SNP_P1_190317_9620	NW_004515938.1	Scaffold477	9620	GG	AA	1940452760
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SNP_P1_190319_9929	NW_004515938.1	Scaffold477	9929	GG	AA	1940452762
SNP_P1_190320_9983	NW_004515938.1	Scaffold477	9983	GG	AA	1940452763
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SNP_P1_190324_10326	NW_004515938.1	Scaffold477	10326	GG	TT	1940452766
SNP_P1_190325_10333	NW_004515938.1	Scaffold477	10333	TT	GG	1940452767
SNP_P1_190326_10402	NW_004515938.1	Scaffold477	10402	AA	GG	1940452768
SNP_P1_190327_10601	NW_004515938.1	Scaffold477	10601	TT	AA	1940452769
SNP_P1_190328_10738	NW_004515938.1	Scaffold477	10738	GG	AA	1940452770
SNP_P1_190329_10766	NW_004515938.1	Scaffold477	10766	CC	GG	1940452771
SNP_P1_190330_10822	NW_004515938.1	Scaffold477	10822	TT	AA	1940452772
SNP_P1_190331_10839	NW_004515938.1	Scaffold477	10839	TT	AA	1940452773
SNP_P1_190332_11193	NW_004515938.1	Scaffold477	11193	GG	AA	1940452774
SNP_P1_190333_11248	NW_004515938.1	Scaffold477	11248	AA	TT	1940452775
SNP_P1_190335_11634	NW_004515938.1	Scaffold477	11634	AA	GG	1940452776
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SNP_P1_190340_11850	NW_004515938.1	Scaffold477	11850	CC	GG	1940452782
SNP_P1_190341_11855	NW_004515938.1	Scaffold477	11855	GG	AA	1940452783
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SNP_P1_190345_11954	NW_004515938.1	Scaffold477	11954	TT	AA	1940452787
SNP_P1_190346_11983	NW_004515938.1	Scaffold477	11983	GG	AA	1940452788
SNP_P1_190347_11985	NW_004515938.1	Scaffold477	11985	TT	CC	1940452789
SNP_P1_190348_12038	NW_004515938.1	Scaffold477	12038	TT	CC	1940452790
SNP_P1_190349_12074	NW_004515938.1	Scaffold477	12074	CC	GG	1940452791
SNP_P1_190350_12208	NW_004515938.1	Scaffold477	12208	AA	CC	1940452792
SNP_P1_190351_12225	NW_004515938.1	Scaffold477	12225	TT	CC	1940452793
SNP_P1_190352_12276	NW_004515938.1	Scaffold477	12276	GG	CC	1940452794
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190355_12648	NW_004515938.1	Scaffold477	12648	CC	AA	1940452797
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SNP_P1_190357_12822	NW_004515938.1	Scaffold477	12822	CC	AA	1940452799
SNP_P1_190358_13004	NW_004515938.1	Scaffold477	13004	GG	TT	1940452800
SNP_P1_190359_13502	NW_004515938.1	Scaffold477	13502	CC	GG	1940452801
SNP_P1_190360_13532	NW_004515938.1	Scaffold477	13532	GG	TT	1940452802
SNP_P1_190361_13569	NW_004515938.1	Scaffold477	13569	GG	AA	1940452803
SNP_P1_190362_14584	NW_004515938.1	Scaffold477	14584	AA	GG	1940452804
SNP_P1_190363_14779	NW_004515938.1	Scaffold477	14779	AA	TT	1940452805
SNP_P1_190364_14780	NW_004515938.1	Scaffold477	14780	AA	GG	1940452806
SNP_P1_190365_15351	NW_004515938.1	Scaffold477	15351	CC	TT	1940452807
SNP_P1_190366_15469	NW_004515938.1	Scaffold477	15469	CC	AA	1940452808
SNP_P1_190367_15667	NW_004515938.1	Scaffold477	15667	CC	AA	1940452809
SNP_P1_190368_15676	NW_004515938.1	Scaffold477	15676	CC	TT	1940452810
SNP_P1_190369_15892	NW_004515938.1	Scaffold477	15892	GG	AA	1940452811
SNP_P1_190370_16326	NW_004515938.1	Scaffold477	16326	AA	GG	1940452812
SNP_P1_190371_16335	NW_004515938.1	Scaffold477	16335	TT	CC	1940452813
SNP_P1_190372_16808	NW_004515938.1	Scaffold477	16808	CC	TT	1940452814
SNP_P1_190373_17127	NW_004515938.1	Scaffold477	17127	GG	TT	1940452815
SNP_P1_190374_17366	NW_004515938.1	Scaffold477	17366	CC	AA	1940452816
SNP_P1_190375_17370	NW_004515938.1	Scaffold477	17370	AA	TT	1940452817
SNP_P1_190376_17800	NW_004515938.1	Scaffold477	17800	CC	TT	1940452818
SNP_P1_190377_17926	NW_004515938.1	Scaffold477	17926	GG	AA	1940452819
SNP_P1_190378_19490	NW_004515938.1	Scaffold477	19490	GG	AA	1940452820
SNP_P1_190379_20125	NW_004515938.1	Scaffold477	20125	TT	CC	1940452821
SNP_P1_190380_20371	NW_004515938.1	Scaffold477	20371	TT	GG	1940452822
SNP_P1_190381_20448	NW_004515938.1	Scaffold477	20448	TT	CC	1940452823
SNP_P1_190382_20648	NW_004515938.1	Scaffold477	20648	AA	GG	1940452824
SNP_P1_190384_20997	NW_004515938.1	Scaffold477	20997	TT	CC	1940452825
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SNP_P1_190387_21438	NW_004515938.1	Scaffold477	21438	AA	GG	1940452828
SNP_P1_190388_21533	NW_004515938.1	Scaffold477	21533	AA	CC	1940452829
SNP_P1_190389_22472	NW_004515938.1	Scaffold477	22472	TT	GG	1940452830
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SNP_P1_190391_22639	NW_004515938.1	Scaffold477	22639	GG	TT	1940452832
SNP_P1_190392_22677	NW_004515938.1	Scaffold477	22677	TT	CC	1940452833
SNP_P1_190393_22692	NW_004515938.1	Scaffold477	22692	TT	GG	1940452834
SNP_P1_190394_22907	NW_004515938.1	Scaffold477	22907	GG	AA	1940452835
SNP_P1_190395_23335	NW_004515938.1	Scaffold477	23335	AA	CC	1940452836
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190398_23765	NW_004515938.1	Scaffold477	23765	TT	CC	1940452839
SNP_P1_190399_28225	NW_004515938.1	Scaffold477	28225	AA	CC	1940452840
SNP_P1_190400_28254	NW_004515938.1	Scaffold477	28254	CC	TT	1940452841
SNP_P1_190402_28447	NW_004515938.1	Scaffold477	28447	CC	TT	1940452842
SNP_P1_190403_28779	NW_004515938.1	Scaffold477	28779	GG	CC	1940452843
SNP_P1_190404_29182	NW_004515938.1	Scaffold477	29182	AA	TT	1940452844
SNP_P1_190405_29183	NW_004515938.1	Scaffold477	29183	CC	TT	1940452845
SNP_P1_190406_29399	NW_004515938.1	Scaffold477	29399	AA	TT	1940452846
SNP_P1_190407_30368	NW_004515938.1	Scaffold477	30368	AA	GG	1940452847
SNP_P1_190408_30824	NW_004515938.1	Scaffold477	30824	CC	GG	1940452848
SNP_P1_190409_31469	NW_004515938.1	Scaffold477	31469	GG	TT	1940452849
SNP_P1_190410_32151	NW_004515938.1	Scaffold477	32151	TT	GG	1940452850
SNP_P1_190411_32359	NW_004515938.1	Scaffold477	32359	TT	CC	1940452851
SNP_P1_190412_32466	NW_004515938.1	Scaffold477	32466	GG	AA	1940452852
SNP_P1_190413_33553	NW_004515938.1	Scaffold477	33553	AA	TT	1940452853
SNP_P1_190414_33649	NW_004515938.1	Scaffold477	33649	TT	CC	1940452854
SNP_P1_190415_33965	NW_004515938.1	Scaffold477	33965	TT	CC	1940452855
SNP_P1_190416_34349	NW_004515938.1	Scaffold477	34349	TT	GG	1940452856
SNP_P1_190417_34476	NW_004515938.1	Scaffold477	34476	TT	GG	1940452857
SNP_P1_190418_34558	NW_004515938.1	Scaffold477	34558	AA	GG	1940452858
SNP_P1_190419_35104	NW_004515938.1	Scaffold477	35104	AA	CC	1940452859
SNP_P1_190420_35106	NW_004515938.1	Scaffold477	35106	AA	TT	1940452860
SNP_P1_190421_35822	NW_004515938.1	Scaffold477	35822	CC	TT	1940452861
SNP_P1_190422_35843	NW_004515938.1	Scaffold477	35843	AA	TT	1940452862
SNP_P1_190423_41952	NW_004515938.1	Scaffold477	41952	TT	AA	1940452863
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SNP_P1_190425_43907	NW_004515938.1	Scaffold477	43907	CC	TT	1940452865
SNP_P1_190426_43934	NW_004515938.1	Scaffold477	43934	TT	CC	1940452866
SNP_P1_190427_44296	NW_004515938.1	Scaffold477	44296	GG	TT	1940452867
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SNP_P1_190431_46488	NW_004515938.1	Scaffold477	46488	CC	TT	1940452871
SNP_P1_190433_46907	NW_004515938.1	Scaffold477	46907	GG	AA	1940452872
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SNP_P1_190435_47207	NW_004515938.1	Scaffold477	47207	TT	CC	1940452874
SNP_P1_190436_47414	NW_004515938.1	Scaffold477	47414	TT	CC	1940452875
SNP_P1_190437_47423	NW_004515938.1	Scaffold477	47423	TT	AA	1940452876
SNP_P1_190438_47442	NW_004515938.1	Scaffold477	47442	AA	GG	1940452877
SNP_P1_190439_47488	NW_004515938.1	Scaffold477	47488	AA	TT	1940452878
SNP_P1_190440_47566	NW_004515938.1	Scaffold477	47566	TT	AA	1940452879

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190442_47626	NW_004515938.1	Scaffold477	47626	CC	TT	1940452881
SNP_P1_190443_47841	NW_004515938.1	Scaffold477	47841	GG	AA	1940452882
SNP_P1_190444_47865	NW_004515938.1	Scaffold477	47865	TT	CC	1940452883
SNP_P1_190445_47891	NW_004515938.1	Scaffold477	47891	AA	GG	1940452884
SNP_P1_190447_48893	NW_004515938.1	Scaffold477	48893	TT	CC	1940452885
SNP_P1_190449_52358	NW_004515938.1	Scaffold477	52358	AA	GG	1940452886
SNP_P1_190450_52979	NW_004515938.1	Scaffold477	52979	TT	AA	1940452887
SNP_P1_190451_53082	NW_004515938.1	Scaffold477	53082	AA	CC	1940452888
SNP_P1_190452_53456	NW_004515938.1	Scaffold477	53456	AA	GG	1940452889
SNP_P1_190453_53517	NW_004515938.1	Scaffold477	53517	CC	TT	1940452890
SNP_P1_190454_53526	NW_004515938.1	Scaffold477	53526	GG	AA	1940452891
SNP_P1_190455_55110	NW_004515938.1	Scaffold477	55110	AA	GG	1940452892
SNP_P1_190456_55129	NW_004515938.1	Scaffold477	55129	GG	AA	1940452893
SNP_P1_190457_55248	NW_004515938.1	Scaffold477	55248	AA	GG	1940452894
SNP_P1_190458_55386	NW_004515938.1	Scaffold477	55386	TT	CC	1940452895
SNP_P1_190459_55449	NW_004515938.1	Scaffold477	55449	TT	CC	1940452896
SNP_P1_190460_55728	NW_004515938.1	Scaffold477	55728	AA	GG	1940452897
SNP_P1_190461_55871	NW_004515938.1	Scaffold477	55871	TT	CC	1940452898
SNP_P1_190462_55911	NW_004515938.1	Scaffold477	55911	AA	GG	1940452899
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SNP_P1_190464_56733	NW_004515938.1	Scaffold477	56733	TT	CC	1940452901
SNP_P1_190465_57038	NW_004515938.1	Scaffold477	57038	TT	CC	1940452902
SNP_P1_190466_59192	NW_004515938.1	Scaffold477	59192	CC	AA	1940452903
SNP_P1_190467_61880	NW_004515938.1	Scaffold477	61880	CC	TT	1940452904
SNP_P1_190468_62439	NW_004515938.1	Scaffold477	62439	CC	AA	1940452905
SNP_P1_190469_62474	NW_004515938.1	Scaffold477	62474	AA	TT	1940452906
SNP_P1_190470_62526	NW_004515938.1	Scaffold477	62526	GG	TT	1940452907
SNP_P1_190471_65338	NW_004515938.1	Scaffold477	65338	GG	AA	1940452908
SNP_P1_190472_65356	NW_004515938.1	Scaffold477	65356	TT	AA	1940452909
SNP_P1_190473_65398	NW_004515938.1	Scaffold477	65398	GG	TT	1940452910
SNP_P1_190474_65436	NW_004515938.1	Scaffold477	65436	TT	GG	1940452911
SNP_P1_190475_65455	NW_004515938.1	Scaffold477	65455	AA	GG	1940452912
SNP_P1_190476_65579	NW_004515938.1	Scaffold477	65579	GG	AA	1940452913
SNP_P1_190477_2591	NW_004515940.1	Scaffold479	2591	AA	TT	1940452914
SNP_P1_190478_6026	NW_004515940.1	Scaffold479	6026	TT	AA	1940452915
SNP_P1_190479_6241	NW_004515940.1	Scaffold479	6241	TT	CC	1940452916
SNP_P1_190480_6980	NW_004515940.1	Scaffold479	6980	AA	GG	1940452917
SNP_P1_190481_7123	NW_004515940.1	Scaffold479	7123	TT	AA	1940452918
SNP_P1_190482_7453	NW_004515940.1	Scaffold479	7453	TT	AA	1940452920
SNP_P1_190483_7487	NW_004515940.1	Scaffold479	7487	GG	CC	1940452921
SNP_P1_190485_7786	NW_004515940.1	Scaffold479	7786	TT	CC	1940452922

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190487_13049	NW_004515940.1	Scaffold479	13049	GG	CC	1940452924
SNP_P1_190488_16336	NW_004515940.1	Scaffold479	16336	AA	TT	1940452925
SNP_P1_190489_16477	NW_004515940.1	Scaffold479	16477	TT	CC	1940452926
SNP_P1_190490_16585	NW_004515940.1	Scaffold479	16585	AA	GG	1940452927
SNP_P1_190491_16599	NW_004515940.1	Scaffold479	16599	CC	GG	1940452928
SNP_P1_190492_16690	NW_004515940.1	Scaffold479	16690	AA	GG	1940452929
SNP_P1_190493_16741	NW_004515940.1	Scaffold479	16741	AA	GG	1940452930
SNP_P1_190495_16821	NW_004515940.1	Scaffold479	16821	AA	GG	1940452931
SNP_P1_190496_16933	NW_004515940.1	Scaffold479	16933	AA	GG	1940452932
SNP_P1_190497_17004	NW_004515940.1	Scaffold479	17004	TT	AA	1940452933
SNP_P1_190498_17005	NW_004515940.1	Scaffold479	17005	AA	TT	1940452934
SNP_P1_190499_17050	NW_004515940.1	Scaffold479	17050	AA	CC	1940452935
SNP_P1_190500_17077	NW_004515940.1	Scaffold479	17077	GG	AA	1940452936
SNP_P1_190501_17082	NW_004515940.1	Scaffold479	17082	TT	GG	1940452937
SNP_P1_190502_17644	NW_004515940.1	Scaffold479	17644	AA	GG	1940452938
SNP_P1_190503_17647	NW_004515940.1	Scaffold479	17647	GG	CC	1940452939
SNP_P1_190504_17662	NW_004515940.1	Scaffold479	17662	AA	TT	1940452940
SNP_P1_190505_17673	NW_004515940.1	Scaffold479	17673	AA	GG	1940452941
SNP_P1_190506_17699	NW_004515940.1	Scaffold479	17699	AA	GG	1940452942
SNP_P1_190507_17802	NW_004515940.1	Scaffold479	17802	GG	TT	1940452943
SNP_P1_190508_17939	NW_004515940.1	Scaffold479	17939	GG	TT	1940452944
SNP_P1_190509_17999	NW_004515940.1	Scaffold479	17999	CC	TT	1940452945
SNP_P1_190510_18046	NW_004515940.1	Scaffold479	18046	TT	CC	1940452946
SNP_P1_190511_18108	NW_004515940.1	Scaffold479	18108	AA	GG	1940452947
SNP_P1_190512_18254	NW_004515940.1	Scaffold479	18254	GG	AA	1940452948
SNP_P1_190513_18328	NW_004515940.1	Scaffold479	18328	TT	AA	1940452949
SNP_P1_190514_18339	NW_004515940.1	Scaffold479	18339	GG	TT	1940452950
SNP_P1_190515_19017	NW_004515940.1	Scaffold479	19017	CC	AA	1940452951
SNP_P1_190517_20257	NW_004515940.1	Scaffold479	20257	TT	CC	1940452952
SNP_P1_190518_20284	NW_004515940.1	Scaffold479	20284	AA	GG	1940452953
SNP_P1_190519_20344	NW_004515940.1	Scaffold479	20344	CC	TT	1940452954
SNP_P1_190520_20349	NW_004515940.1	Scaffold479	20349	TT	CC	1940452955
SNP_P1_190521_20352	NW_004515940.1	Scaffold479	20352	AA	CC	1940452956
SNP_P1_190522_20354	NW_004515940.1	Scaffold479	20354	GG	AA	1940452957
SNP_P1_190523_20355	NW_004515940.1	Scaffold479	20355	AA	CC	1940452958
SNP_P1_190524_20359	NW_004515940.1	Scaffold479	20359	GG	AA	1940452959
SNP_P1_190525_23497	NW_004515940.1	Scaffold479	23497	TT	CC	1940452960
SNP_P1_190526_24104	NW_004515940.1	Scaffold479	24104	CC	TT	1940452961
SNP_P1_190527_24109	NW_004515940.1	Scaffold479	24109	CC	TT	1940452962
SNP_P1_190528_26297	NW_004515940.1	Scaffold479	26297	CC	AA	1940452963
SNP_P1_190529_26303	NW_004515940.1	Scaffold479	26303	GG	TT	1940452964

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190531_31592	NW_004515940.1	Scaffold479	31592	GG	AA	1940452966
SNP_P1_190532_31620	NW_004515940.1	Scaffold479	31620	AA	TT	1940452967
SNP_P1_190533_31935	NW_004515940.1	Scaffold479	31935	AA	GG	1940452968
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SNP_P1_190536_35962	NW_004515940.1	Scaffold479	35962	AA	TT	1940452971
SNP_P1_190537_47330	NW_004515940.1	Scaffold479	47330	AA	CC	1940452972
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SNP_P1_190539_47386	NW_004515940.1	Scaffold479	47386	TT	CC	1940452974
SNP_P1_190540_47390	NW_004515940.1	Scaffold479	47390	AA	GG	1940452975
SNP_P1_190541_47399	NW_004515940.1	Scaffold479	47399	AA	TT	1940452976
SNP_P1_190542_48735	NW_004515940.1	Scaffold479	48735	TT	CC	1940452977
SNP_P1_190543_48809	NW_004515940.1	Scaffold479	48809	TT	CC	1940452978
SNP_P1_190544_48930	NW_004515940.1	Scaffold479	48930	GG	AA	1940452979
SNP_P1_190545_48932	NW_004515940.1	Scaffold479	48932	TT	GG	1940452980
SNP_P1_190546_55097	NW_004515940.1	Scaffold479	55097	CC	AA	1940452981
SNP_P1_190547_55395	NW_004515940.1	Scaffold479	55395	AA	TT	1940452982
SNP_P1_190548_55401	NW_004515940.1	Scaffold479	55401	TT	AA	1940452983
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SNP_P1_190552_55469	NW_004515940.1	Scaffold479	55469	TT	CC	1940452987
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SNP_P1_190555_55503	NW_004515940.1	Scaffold479	55503	AA	CC	1940452990
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SNP_P1_190557_55513	NW_004515940.1	Scaffold479	55513	AA	CC	1940452992
SNP_P1_190558_55533	NW_004515940.1	Scaffold479	55533	TT	GG	1940452993
SNP_P1_190559_55535	NW_004515940.1	Scaffold479	55535	AA	CC	1940452994
SNP_P1_190560_55543	NW_004515940.1	Scaffold479	55543	TT	GG	1940452995
SNP_P1_190561_55582	NW_004515940.1	Scaffold479	55582	AA	TT	1940452996
SNP_P1_190562_55643	NW_004515940.1	Scaffold479	55643	TT	GG	1940452997
SNP_P1_190563_56624	NW_004515940.1	Scaffold479	56624	TT	AA	1940452998
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SNP_P1_190567_72610	NW_004515940.1	Scaffold479	72610	AA	GG	1940453002
SNP_P1_190568_72612	NW_004515940.1	Scaffold479	72612	GG	CC	1940453003
SNP_P1_190569_75941	NW_004515940.1	Scaffold479	75941	CC	AA	1940453004
SNP_P1_190570_79540	NW_004515940.1	Scaffold479	79540	AA	TT	1940453005
SNP_P1_190571_80794	NW_004515940.1	Scaffold479	80794	AA	CC	1940453006

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190574_87670	NW_004515940.1	Scaffold479	87670	TT	CC	1940453009
SNP_P1_190575_88215	NW_004515940.1	Scaffold479	88215	AA	CC	1940453010
SNP_P1_190576_88230	NW_004515940.1	Scaffold479	88230	GG	TT	1940453011
SNP_P1_190577_88245	NW_004515940.1	Scaffold479	88245	TT	GG	1940453012
SNP_P1_190578_88247	NW_004515940.1	Scaffold479	88247	TT	AA	1940453013
SNP_P1_190579_88323	NW_004515940.1	Scaffold479	88323	TT	AA	1940453014
SNP_P1_190581_98214	NW_004515940.1	Scaffold479	98214	TT	AA	1940453015
SNP_P1_190582_98230	NW_004515940.1	Scaffold479	98230	AA	CC	1940453016
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SNP_P1_190584_108647	NW_004515940.1	Scaffold479	108647	GG	TT	1940453018
SNP_P1_190585_108970	NW_004515940.1	Scaffold479	108970	TT	CC	1940453019
SNP_P1_190586_108994	NW_004515940.1	Scaffold479	108994	GG	AA	1940453020
SNP_P1_190587_109093	NW_004515940.1	Scaffold479	109093	CC	TT	1940453021
SNP_P1_190588_109098	NW_004515940.1	Scaffold479	109098	TT	GG	1940453022
SNP_P1_190589_109124	NW_004515940.1	Scaffold479	109124	AA	CC	1940453023
SNP_P1_190590_109126	NW_004515940.1	Scaffold479	109126	AA	GG	1940453024
SNP_P1_190591_110248	NW_004515940.1	Scaffold479	110248	GG	AA	1940453025
SNP_P1_190592_110261	NW_004515940.1	Scaffold479	110261	CC	GG	1940453026
SNP_P1_190593_110264	NW_004515940.1	Scaffold479	110264	AA	TT	1940453027
SNP_P1_190594_110274	NW_004515940.1	Scaffold479	110274	TT	CC	1940453028
SNP_P1_190595_110275	NW_004515940.1	Scaffold479	110275	GG	AA	1940453029
SNP_P1_190596_117041	NW_004515940.1	Scaffold479	117041	TT	GG	1940453030
SNP_P1_190597_117693	NW_004515940.1	Scaffold479	117693	TT	AA	1940453031
SNP_P1_190598_121204	NW_004515940.1	Scaffold479	121204	AA	TT	1940453032
SNP_P1_190599_121330	NW_004515940.1	Scaffold479	121330	GG	CC	1940453033
SNP_P1_190600_121997	NW_004515940.1	Scaffold479	121997	TT	AA	1940453034
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SNP_P1_190602_122037	NW_004515940.1	Scaffold479	122037	TT	AA	1940453036
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SNP_P1_190604_125396	NW_004515940.1	Scaffold479	125396	CC	TT	1940453038
SNP_P1_190606_125425	NW_004515940.1	Scaffold479	125425	TT	AA	1940453039
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SNP_P1_190611_125640	NW_004515940.1	Scaffold479	125640	AA	GG	1940453044
SNP_P1_190612_125664	NW_004515940.1	Scaffold479	125664	TT	CC	1940453045
SNP_P1_190613_125682	NW_004515940.1	Scaffold479	125682	GG	TT	1940453046
SNP_P1_190614_125762	NW_004515940.1	Scaffold479	125762	TT	CC	1940453047
SNP_P1_190615_125771	NW_004515940.1	Scaffold479	125771	GG	AA	1940453048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190618_125860	NW_004515940.1	Scaffold479	125860	TT	AA	1940453051
SNP_P1_190619_125906	NW_004515940.1	Scaffold479	125906	AA	CC	1940453052
SNP_P1_190620_126038	NW_004515940.1	Scaffold479	126038	AA	TT	1940453053
SNP_P1_190621_126076	NW_004515940.1	Scaffold479	126076	TT	AA	1940453054
SNP_P1_190622_126340	NW_004515940.1	Scaffold479	126340	CC	GG	1940453055
SNP_P1_190623_129312	NW_004515940.1	Scaffold479	129312	CC	TT	1940453056
SNP_P1_190624_129342	NW_004515940.1	Scaffold479	129342	GG	TT	1940453057
SNP_P1_190625_129399	NW_004515940.1	Scaffold479	129399	CC	TT	1940453058
SNP_P1_190626_129422	NW_004515940.1	Scaffold479	129422	GG	AA	1940453059
SNP_P1_190627_129444	NW_004515940.1	Scaffold479	129444	TT	GG	1940453060
SNP_P1_190628_129445	NW_004515940.1	Scaffold479	129445	CC	TT	1940453061
SNP_P1_190629_129698	NW_004515940.1	Scaffold479	129698	AA	CC	1940453062
SNP_P1_190630_130453	NW_004515940.1	Scaffold479	130453	AA	GG	1940453064
SNP_P1_190631_130456	NW_004515940.1	Scaffold479	130456	AA	TT	1940453065
SNP_P1_190632_130461	NW_004515940.1	Scaffold479	130461	AA	TT	1940453066
SNP_P1_190633_130498	NW_004515940.1	Scaffold479	130498	CC	TT	1940453067
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SNP_P1_190635_130607	NW_004515940.1	Scaffold479	130607	TT	GG	1940453069
SNP_P1_190636_130651	NW_004515940.1	Scaffold479	130651	TT	AA	1940453070
SNP_P1_190637_130715	NW_004515940.1	Scaffold479	130715	TT	CC	1940453071
SNP_P1_190638_130764	NW_004515940.1	Scaffold479	130764	AA	TT	1940453072
SNP_P1_190639_130956	NW_004515940.1	Scaffold479	130956	AA	CC	1940453073
SNP_P1_190640_130961	NW_004515940.1	Scaffold479	130961	GG	AA	1940453074
SNP_P1_190641_130969	NW_004515940.1	Scaffold479	130969	AA	CC	1940453075
SNP_P1_190642_130971	NW_004515940.1	Scaffold479	130971	AA	GG	1940453076
SNP_P1_190643_131012	NW_004515940.1	Scaffold479	131012	AA	TT	1940453077
SNP_P1_190644_138964	NW_004515940.1	Scaffold479	138964	AA	GG	1940453078
SNP_P1_190645_139203	NW_004515940.1	Scaffold479	139203	AA	GG	1940453079
SNP_P1_190646_139204	NW_004515940.1	Scaffold479	139204	GG	TT	1940453080
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SNP_P1_190650_139234	NW_004515940.1	Scaffold479	139234	TT	GG	1940453084
SNP_P1_190651_139259	NW_004515940.1	Scaffold479	139259	TT	GG	1940453085
SNP_P1_190652_139290	NW_004515940.1	Scaffold479	139290	TT	CC	1940453086
SNP_P1_190653_139345	NW_004515940.1	Scaffold479	139345	TT	GG	1940453087
SNP_P1_190654_139377	NW_004515940.1	Scaffold479	139377	GG	TT	1940453088
SNP_P1_190655_143059	NW_004515940.1	Scaffold479	143059	GG	AA	1940453089
SNP_P1_190656_153015	NW_004515940.1	Scaffold479	153015	TT	GG	1940453090
SNP_P1_190657_153023	NW_004515940.1	Scaffold479	153023	GG	AA	1940453091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190659_154270	NW_004515940.1	Scaffold479	154270	TT	GG	1940453093
SNP_P1_190660_154328	NW_004515940.1	Scaffold479	154328	GG	AA	1940453094
SNP_P1_190661_154377	NW_004515940.1	Scaffold479	154377	TT	CC	1940453095
SNP_P1_190662_154410	NW_004515940.1	Scaffold479	154410	AA	GG	1940453096
SNP_P1_190663_154418	NW_004515940.1	Scaffold479	154418	TT	AA	1940453097
SNP_P1_190664_154425	NW_004515940.1	Scaffold479	154425	AA	GG	1940453098
SNP_P1_190665_154718	NW_004515940.1	Scaffold479	154718	GG	TT	1940453099
SNP_P1_190666_154748	NW_004515940.1	Scaffold479	154748	CC	TT	1940453100
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SNP_P1_190668_154781	NW_004515940.1	Scaffold479	154781	AA	TT	1940453102
SNP_P1_190669_154848	NW_004515940.1	Scaffold479	154848	TT	CC	1940453103
SNP_P1_190670_154951	NW_004515940.1	Scaffold479	154951	CC	TT	1940453104
SNP_P1_190671_154976	NW_004515940.1	Scaffold479	154976	CC	GG	1940453105
SNP_P1_190672_155936	NW_004515940.1	Scaffold479	155936	AA	TT	1940453106
SNP_P1_190673_155941	NW_004515940.1	Scaffold479	155941	AA	GG	1940453107
SNP_P1_190674_155950	NW_004515940.1	Scaffold479	155950	TT	GG	1940453108
SNP_P1_190675_155970	NW_004515940.1	Scaffold479	155970	AA	TT	1940453109
SNP_P1_190676_160016	NW_004515940.1	Scaffold479	160016	CC	TT	1940453110
SNP_P1_190677_160045	NW_004515940.1	Scaffold479	160045	GG	AA	1940453111
SNP_P1_190678_3530	NW_004515941.1	Scaffold480	3530	GG	CC	1940453112
SNP_P1_190679_20118	NW_004515941.1	Scaffold480	20118	GG	CC	1940453113
SNP_P1_190680_20182	NW_004515941.1	Scaffold480	20182	TT	CC	1940453114
SNP_P1_190681_20514	NW_004515941.1	Scaffold480	20514	TT	CC	1940453115
SNP_P1_190682_20661	NW_004515941.1	Scaffold480	20661	AA	GG	1940453116
SNP_P1_190683_33645	NW_004515941.1	Scaffold480	33645	TT	CC	1940453117
SNP_P1_190684_33688	NW_004515941.1	Scaffold480	33688	CC	AA	1940453118
SNP_P1_190685_33724	NW_004515941.1	Scaffold480	33724	CC	TT	1940453119
SNP_P1_190686_33729	NW_004515941.1	Scaffold480	33729	AA	GG	1940453120
SNP_P1_190687_33735	NW_004515941.1	Scaffold480	33735	AA	CC	1940453121
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SNP_P1_190689_34472	NW_004515941.1	Scaffold480	34472	AA	GG	1940453123
SNP_P1_190691_34569	NW_004515941.1	Scaffold480	34569	TT	AA	1940453124
SNP_P1_190692_42016	NW_004515941.1	Scaffold480	42016	CC	TT	1940453125
SNP_P1_190693_42075	NW_004515941.1	Scaffold480	42075	AA	CC	1940453126
SNP_P1_190694_43084	NW_004515941.1	Scaffold480	43084	GG	AA	1940453127
SNP_P1_190695_43093	NW_004515941.1	Scaffold480	43093	AA	GG	1940453128
SNP_P1_190697_43226	NW_004515941.1	Scaffold480	43226	TT	CC	1940453129
SNP_P1_190698_43416	NW_004515941.1	Scaffold480	43416	GG	AA	1940453130
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SNP_P1_190700_43461	NW_004515941.1	Scaffold480	43461	TT	CC	1940453132
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190703_43569	NW_004515941.1	Scaffold480	43569	AA	GG	1940453135
SNP_P1_190704_43630	NW_004515941.1	Scaffold480	43630	TT	CC	1940453136
SNP_P1_190705_43631	NW_004515941.1	Scaffold480	43631	AA	TT	1940453137
SNP_P1_190706_43678	NW_004515941.1	Scaffold480	43678	GG	AA	1940453138
SNP_P1_190707_54090	NW_004515941.1	Scaffold480	54090	GG	AA	1940453139
SNP_P1_190709_86677	NW_004515941.1	Scaffold480	86677	AA	GG	1940453140
SNP_P1_190710_752	NW_004515942.1	Scaffold481	752	GG	AA	1940453141
SNP_P1_190711_753	NW_004515942.1	Scaffold481	753	AA	CC	1940453142
SNP_P1_190713_13628	NW_004515944.1	Scaffold484	13628	TT	CC	1940453143
SNP_P1_190714_15342	NW_004515944.1	Scaffold484	15342	TT	AA	1940453144
SNP_P1_190715_15343	NW_004515944.1	Scaffold484	15343	TT	AA	1940453145
SNP_P1_190716_15344	NW_004515944.1	Scaffold484	15344	GG	TT	1940453146
SNP_P1_190717_15348	NW_004515944.1	Scaffold484	15348	CC	AA	1940453147
SNP_P1_190718_15349	NW_004515944.1	Scaffold484	15349	AA	CC	1940453148
SNP_P1_190719_18302	NW_004515944.1	Scaffold484	18302	GG	AA	1940453149
SNP_P1_190720_27388	NW_004515944.1	Scaffold484	27388	TT	CC	1940453150
SNP_P1_190721_27515	NW_004515944.1	Scaffold484	27515	CC	GG	1940453151
SNP_P1_190722_27606	NW_004515944.1	Scaffold484	27606	GG	AA	1940453152
SNP_P1_190723_27651	NW_004515944.1	Scaffold484	27651	CC	AA	1940453153
SNP_P1_190724_27818	NW_004515944.1	Scaffold484	27818	CC	AA	1940453154
SNP_P1_190725_27862	NW_004515944.1	Scaffold484	27862	CC	TT	1940453155
SNP_P1_190726_27880	NW_004515944.1	Scaffold484	27880	AA	GG	1940453156
SNP_P1_190727_34494	NW_004515944.1	Scaffold484	34494	AA	CC	1940453157
SNP_P1_190728_34870	NW_004515944.1	Scaffold484	34870	TT	GG	1940453158
SNP_P1_190729_34906	NW_004515944.1	Scaffold484	34906	TT	CC	1940453159
SNP_P1_190730_34913	NW_004515944.1	Scaffold484	34913	TT	CC	1940453160
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SNP_P1_190732_53606	NW_004515944.1	Scaffold484	53606	CC	GG	1940453162
SNP_P1_190733_54554	NW_004515944.1	Scaffold484	54554	GG	TT	1940453163
SNP_P1_190734_58536	NW_004515944.1	Scaffold484	58536	CC	TT	1940453164
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SNP_P1_190737_59017	NW_004515944.1	Scaffold484	59017	GG	AA	1940453167
SNP_P1_190738_79937	NW_004515944.1	Scaffold484	79937	CC	TT	1940453168
SNP_P1_190739_79952	NW_004515944.1	Scaffold484	79952	AA	GG	1940453170
SNP_P1_190740_80021	NW_004515944.1	Scaffold484	80021	GG	AA	1940453171
SNP_P1_190741_80384	NW_004515944.1	Scaffold484	80384	AA	CC	1940453172
SNP_P1_190742_80629	NW_004515944.1	Scaffold484	80629	CC	TT	1940453173
SNP_P1_190743_87890	NW_004515944.1	Scaffold484	87890	AA	GG	1940453174
SNP_P1_190744_89609	NW_004515944.1	Scaffold484	89609	CC	TT	1940453175
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190747_95864	NW_004515944.1	Scaffold484	95864	AA	GG	1940453178
SNP_P1_190748_96149	NW_004515944.1	Scaffold484	96149	AA	GG	1940453179
SNP_P1_190749_96170	NW_004515944.1	Scaffold484	96170	AA	GG	1940453180
SNP_P1_190750_96197	NW_004515944.1	Scaffold484	96197	AA	GG	1940453181
SNP_P1_190751_98341	NW_004515944.1	Scaffold484	98341	GG	TT	1940453182
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SNP_P1_190755_141991	NW_004515944.1	Scaffold484	141991	GG	AA	1940453184
SNP_P1_190757_150833	NW_004515944.1	Scaffold484	150833	AA	GG	1940453185
SNP_P1_190758_172484	NW_004515944.1	Scaffold484	172484	AA	TT	1940453186
SNP_P1_190760_194549	NW_004515944.1	Scaffold484	194549	AA	GG	1940453187
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SNP_P1_190762_220156	NW_004515944.1	Scaffold484	220156	GG	AA	1940453189
SNP_P1_190763_229801	NW_004515944.1	Scaffold484	229801	AA	CC	1940453190
SNP_P1_190764_246115	NW_004515944.1	Scaffold484	246115	TT	CC	1940453191
SNP_P1_190765_247010	NW_004515944.1	Scaffold484	247010	GG	TT	1940453192
SNP_P1_190766_253027	NW_004515944.1	Scaffold484	253027	GG	AA	1940453193
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SNP_P1_190772_272284	NW_004515944.1	Scaffold484	272284	GG	AA	1940453199
SNP_P1_190773_272307	NW_004515944.1	Scaffold484	272307	GG	CC	1940453200
SNP_P1_190774_272319	NW_004515944.1	Scaffold484	272319	AA	TT	1940453201
SNP_P1_190775_274380	NW_004515944.1	Scaffold484	274380	CC	TT	1940453202
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SNP_P1_190784_298354	NW_004515944.1	Scaffold484	298354	GG	AA	1940453211
SNP_P1_190785_306675	NW_004515944.1	Scaffold484	306675	TT	AA	1940453212
SNP_P1_190786_314675	NW_004515944.1	Scaffold484	314675	AA	CC	1940453213
SNP_P1_190787_326304	NW_004515944.1	Scaffold484	326304	CC	TT	1940453214
SNP_P1_190788_326560	NW_004515944.1	Scaffold484	326560	TT	AA	1940453215
SNP_P1_190789_329059	NW_004515944.1	Scaffold484	329059	AA	GG	1940453216
SNP_P1_190790_329089	NW_004515944.1	Scaffold484	329089	GG	AA	1940453217
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190793_368696	NW_004515944.1	Scaffold484	368696	TT	CC	1940453220
SNP_P1_190795_369160	NW_004515944.1	Scaffold484	369160	TT	CC	1940453221
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SNP_P1_190798_371915	NW_004515944.1	Scaffold484	371915	CC	GG	1940453224
SNP_P1_190799_383483	NW_004515944.1	Scaffold484	383483	AA	GG	1940453225
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SNP_P1_190804_394571	NW_004515944.1	Scaffold484	394571	CC	GG	1940453230
SNP_P1_190805_394801	NW_004515944.1	Scaffold484	394801	CC	TT	1940453231
SNP_P1_190806_394863	NW_004515944.1	Scaffold484	394863	CC	TT	1940453232
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SNP_P1_190808_394878	NW_004515944.1	Scaffold484	394878	TT	GG	1940453234
SNP_P1_190809_394971	NW_004515944.1	Scaffold484	394971	CC	TT	1940453235
SNP_P1_190811_423043	NW_004515944.1	Scaffold484	423043	TT	CC	1940453236
SNP_P1_190814_444575	NW_004515944.1	Scaffold484	444575	TT	GG	1940453237
SNP_P1_190816_452928	NW_004515944.1	Scaffold484	452928	GG	TT	1940453238
SNP_P1_190817_452958	NW_004515944.1	Scaffold484	452958	AA	GG	1940453239
SNP_P1_190818_452960	NW_004515944.1	Scaffold484	452960	GG	AA	1940453240
SNP_P1_190819_452978	NW_004515944.1	Scaffold484	452978	CC	TT	1940453241
SNP_P1_190820_453061	NW_004515944.1	Scaffold484	453061	AA	GG	1940453242
SNP_P1_190821_453110	NW_004515944.1	Scaffold484	453110	AA	TT	1940453243
SNP_P1_190822_453131	NW_004515944.1	Scaffold484	453131	GG	AA	1940453244
SNP_P1_190823_453217	NW_004515944.1	Scaffold484	453217	AA	GG	1940453245
SNP_P1_190824_453335	NW_004515944.1	Scaffold484	453335	AA	TT	1940453246
SNP_P1_190825_453336	NW_004515944.1	Scaffold484	453336	AA	GG	1940453247
SNP_P1_190826_453406	NW_004515944.1	Scaffold484	453406	AA	GG	1940453248
SNP_P1_190827_458512	NW_004515944.1	Scaffold484	458512	AA	GG	1940453249
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SNP_P1_190833_484863	NW_004515944.1	Scaffold484	484863	TT	CC	1940453255
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SNP_P1_190835_485112	NW_004515944.1	Scaffold484	485112	TT	AA	1940453257
SNP_P1_190836_485113	NW_004515944.1	Scaffold484	485113	TT	AA	1940453258
SNP_P1_190838_490608	NW_004515944.1	Scaffold484	490608	AA	CC	1940453259
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190842_516664	NW_004515944.1	Scaffold484	516664	GG	AA	1940453262
SNP_P1_190843_532302	NW_004515944.1	Scaffold484	532302	GG	AA	1940453263
SNP_P1_190844_561077	NW_004515944.1	Scaffold484	561077	TT	CC	1940453264
SNP_P1_190845_574763	NW_004515944.1	Scaffold484	574763	AA	GG	1940453265
SNP_P1_190847_578014	NW_004515944.1	Scaffold484	578014	AA	TT	1940453266
SNP_P1_190848_578018	NW_004515944.1	Scaffold484	578018	TT	AA	1940453267
SNP_P1_190849_578043	NW_004515944.1	Scaffold484	578043	GG	TT	1940453268
SNP_P1_190850_578139	NW_004515944.1	Scaffold484	578139	CC	TT	1940453269
SNP_P1_190851_578374	NW_004515944.1	Scaffold484	578374	AA	GG	1940453270
SNP_P1_190852_578384	NW_004515944.1	Scaffold484	578384	TT	CC	1940453271
SNP_P1_190853_578435	NW_004515944.1	Scaffold484	578435	TT	GG	1940453272
SNP_P1_190854_578447	NW_004515944.1	Scaffold484	578447	AA	TT	1940453273
SNP_P1_190855_578840	NW_004515944.1	Scaffold484	578840	CC	TT	1940453274
SNP_P1_190856_578913	NW_004515944.1	Scaffold484	578913	GG	AA	1940453275
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SNP_P1_190858_579740	NW_004515944.1	Scaffold484	579740	AA	GG	1940453277
SNP_P1_190859_584625	NW_004515944.1	Scaffold484	584625	AA	TT	1940453278
SNP_P1_190860_587357	NW_004515944.1	Scaffold484	587357	TT	CC	1940453279
SNP_P1_190861_587375	NW_004515944.1	Scaffold484	587375	CC	AA	1940453280
SNP_P1_190862_587409	NW_004515944.1	Scaffold484	587409	CC	TT	1940453281
SNP_P1_190863_587424	NW_004515944.1	Scaffold484	587424	TT	GG	1940453282
SNP_P1_190864_589568	NW_004515944.1	Scaffold484	589568	AA	GG	1940453283
SNP_P1_190865_589810	NW_004515944.1	Scaffold484	589810	CC	TT	1940453284
SNP_P1_190866_590421	NW_004515944.1	Scaffold484	590421	CC	TT	1940453285
SNP_P1_190867_590473	NW_004515944.1	Scaffold484	590473	AA	CC	1940453286
SNP_P1_190868_591632	NW_004515944.1	Scaffold484	591632	TT	CC	1940453287
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SNP_P1_190871_621051	NW_004515944.1	Scaffold484	621051	GG	AA	1940453289
SNP_P1_190872_621903	NW_004515944.1	Scaffold484	621903	CC	AA	1940453290
SNP_P1_190873_627809	NW_004515944.1	Scaffold484	627809	AA	GG	1940453291
SNP_P1_190874_632657	NW_004515944.1	Scaffold484	632657	GG	AA	1940453292
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SNP_P1_190876_632912	NW_004515944.1	Scaffold484	632912	AA	GG	1940453294
SNP_P1_190877_641013	NW_004515944.1	Scaffold484	641013	GG	AA	1940453295
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SNP_P1_190880_656599	NW_004515944.1	Scaffold484	656599	TT	CC	1940453298
SNP_P1_190882_656803	NW_004515944.1	Scaffold484	656803	AA	GG	1940453299
SNP_P1_190883_656897	NW_004515944.1	Scaffold484	656897	TT	GG	1940453300
SNP_P1_190884_656992	NW_004515944.1	Scaffold484	656992	AA	CC	1940453301
SNP_P1_190885_656999	NW_004515944.1	Scaffold484	656999	TT	GG	1940453302

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190887_657041	NW_004515944.1	Scaffold484	657041	GG	AA	1940453305
SNP_P1_190888_657068	NW_004515944.1	Scaffold484	657068	TT	AA	1940453306
SNP_P1_190889_669805	NW_004515944.1	Scaffold484	669805	AA	GG	1940453307
SNP_P1_190890_682898	NW_004515944.1	Scaffold484	682898	TT	AA	1940453308
SNP_P1_190891_699941	NW_004515944.1	Scaffold484	699941	CC	TT	1940453309
SNP_P1_190892_704588	NW_004515944.1	Scaffold484	704588	TT	AA	1940453310
SNP_P1_190893_704603	NW_004515944.1	Scaffold484	704603	AA	CC	1940453311
SNP_P1_190894_704632	NW_004515944.1	Scaffold484	704632	CC	TT	1940453312
SNP_P1_190895_704641	NW_004515944.1	Scaffold484	704641	CC	TT	1940453313
SNP_P1_190896_704665	NW_004515944.1	Scaffold484	704665	GG	AA	1940453314
SNP_P1_190897_704673	NW_004515944.1	Scaffold484	704673	AA	CC	1940453315
SNP_P1_190898_704674	NW_004515944.1	Scaffold484	704674	GG	AA	1940453316
SNP_P1_190899_704869	NW_004515944.1	Scaffold484	704869	AA	GG	1940453317
SNP_P1_190900_704888	NW_004515944.1	Scaffold484	704888	AA	GG	1940453318
SNP_P1_190901_710773	NW_004515944.1	Scaffold484	710773	AA	GG	1940453319
SNP_P1_190902_717266	NW_004515944.1	Scaffold484	717266	CC	AA	1940453320
SNP_P1_190903_719397	NW_004515944.1	Scaffold484	719397	AA	GG	1940453321
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SNP_P1_190908_719748	NW_004515944.1	Scaffold484	719748	AA	GG	1940453326
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SNP_P1_190910_719817	NW_004515944.1	Scaffold484	719817	TT	CC	1940453328
SNP_P1_190911_720029	NW_004515944.1	Scaffold484	720029	AA	TT	1940453329
SNP_P1_190912_720031	NW_004515944.1	Scaffold484	720031	AA	GG	1940453330
SNP_P1_190913_736363	NW_004515944.1	Scaffold484	736363	CC	GG	1940453331
SNP_P1_190914_736714	NW_004515944.1	Scaffold484	736714	CC	TT	1940453332
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SNP_P1_190916_736766	NW_004515944.1	Scaffold484	736766	AA	CC	1940453334
SNP_P1_190917_736770	NW_004515944.1	Scaffold484	736770	AA	GG	1940453335
SNP_P1_190918_736784	NW_004515944.1	Scaffold484	736784	CC	TT	1940453336
SNP_P1_190919_740329	NW_004515944.1	Scaffold484	740329	CC	TT	1940453337
SNP_P1_190920_740390	NW_004515944.1	Scaffold484	740390	GG	CC	1940453338
SNP_P1_190921_740716	NW_004515944.1	Scaffold484	740716	GG	AA	1940453339
SNP_P1_190922_740738	NW_004515944.1	Scaffold484	740738	TT	CC	1940453340
SNP_P1_190923_742907	NW_004515944.1	Scaffold484	742907	CC	TT	1940453341
SNP_P1_190924_742912	NW_004515944.1	Scaffold484	742912	AA	GG	1940453342
SNP_P1_190925_750296	NW_004515944.1	Scaffold484	750296	GG	AA	1940453343
SNP_P1_190926_755366	NW_004515944.1	Scaffold484	755366	CC	GG	1940453344
SNP_P1_190927_762938	NW_004515944.1	Scaffold484	762938	TT	CC	1940453345

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190929_764082	NW_004515944.1	Scaffold484	764082	AA	GG	1940453347
SNP_P1_190930_764092	NW_004515944.1	Scaffold484	764092	AA	GG	1940453348
SNP_P1_190931_764106	NW_004515944.1	Scaffold484	764106	AA	CC	1940453349
SNP_P1_190932_764112	NW_004515944.1	Scaffold484	764112	AA	CC	1940453350
SNP_P1_190933_764115	NW_004515944.1	Scaffold484	764115	TT	CC	1940453351
SNP_P1_190934_764123	NW_004515944.1	Scaffold484	764123	CC	TT	1940453352
SNP_P1_190935_764133	NW_004515944.1	Scaffold484	764133	AA	GG	1940453353
SNP_P1_190936_784415	NW_004515944.1	Scaffold484	784415	AA	GG	1940453354
SNP_P1_190937_788477	NW_004515944.1	Scaffold484	788477	GG	AA	1940453355
SNP_P1_190939_794083	NW_004515944.1	Scaffold484	794083	TT	CC	1940453356
SNP_P1_190940_794125	NW_004515944.1	Scaffold484	794125	AA	CC	1940453357
SNP_P1_190941_3628	NW_004515945.1	Scaffold485	3628	GG	TT	1940453358
SNP_P1_190942_3707	NW_004515945.1	Scaffold485	3707	CC	TT	1940453359
SNP_P1_190943_4413	NW_004515945.1	Scaffold485	4413	GG	AA	1940453360
SNP_P1_190944_20627	NW_004515945.1	Scaffold485	20627	AA	GG	1940453361
SNP_P1_190946_86485	NW_004515945.1	Scaffold485	86485	TT	CC	1940453362
SNP_P1_190947_86487	NW_004515945.1	Scaffold485	86487	AA	CC	1940453363
SNP_P1_190948_92870	NW_004515945.1	Scaffold485	92870	GG	AA	1940453364
SNP_P1_190949_92875	NW_004515945.1	Scaffold485	92875	TT	AA	1940453365
SNP_P1_190950_92925	NW_004515945.1	Scaffold485	92925	TT	GG	1940453366
SNP_P1_190951_92946	NW_004515945.1	Scaffold485	92946	CC	TT	1940453367
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SNP_P1_190953_93197	NW_004515945.1	Scaffold485	93197	CC	AA	1940453369
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SNP_P1_190955_111994	NW_004515945.1	Scaffold485	111994	TT	CC	1940453371
SNP_P1_190956_117904	NW_004515945.1	Scaffold485	117904	GG	CC	1940453372
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SNP_P1_190959_130335	NW_004515945.1	Scaffold485	130335	AA	GG	1940453375
SNP_P1_190960_131152	NW_004515945.1	Scaffold485	131152	AA	GG	1940453376
SNP_P1_190962_131200	NW_004515945.1	Scaffold485	131200	TT	CC	1940453377
SNP_P1_190964_133092	NW_004515945.1	Scaffold485	133092	TT	CC	1940453378
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SNP_P1_190968_153769	NW_004515945.1	Scaffold485	153769	TT	AA	1940453381
SNP_P1_190969_156186	NW_004515945.1	Scaffold485	156186	AA	GG	1940453382
SNP_P1_190970_158727	NW_004515945.1	Scaffold485	158727	GG	AA	1940453383
SNP_P1_190971_159377	NW_004515945.1	Scaffold485	159377	GG	AA	1940453384
SNP_P1_190972_165642	NW_004515945.1	Scaffold485	165642	GG	AA	1940453385
SNP_P1_190973_165659	NW_004515945.1	Scaffold485	165659	AA	GG	1940453386
SNP_P1_190974_165722	NW_004515945.1	Scaffold485	165722	AA	GG	1940453387

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_190976_165765	NW_004515945.1	Scaffold485	165765	GG	AA	1940453389
SNP_P1_190977_165965	NW_004515945.1	Scaffold485	165965	GG	AA	1940453390
SNP_P1_190978_165967	NW_004515945.1	Scaffold485	165967	AA	CC	1940453391
SNP_P1_190979_166030	NW_004515945.1	Scaffold485	166030	AA	TT	1940453392
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SNP_P1_190984_171452	NW_004515945.1	Scaffold485	171452	GG	TT	1940453397
SNP_P1_190985_174210	NW_004515945.1	Scaffold485	174210	GG	AA	1940453398
SNP_P1_190986_5357	NW_004515946.1	Scaffold486	5357	GG	TT	1940453399
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SNP_P1_190988_9399	NW_004515946.1	Scaffold486	9399	GG	AA	1940453401
SNP_P1_190989_9705	NW_004515946.1	Scaffold486	9705	TT	AA	1940453402
SNP_P1_190990_9746	NW_004515946.1	Scaffold486	9746	CC	TT	1940453403
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SNP_P1_190992_9767	NW_004515946.1	Scaffold486	9767	AA	GG	1940453405
SNP_P1_190993_9786	NW_004515946.1	Scaffold486	9786	AA	GG	1940453406
SNP_P1_190994_9799	NW_004515946.1	Scaffold486	9799	AA	GG	1940453407
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SNP_P1_191000_25883	NW_004515946.1	Scaffold486	25883	GG	CC	1940453412
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SNP_P1_191002_28639	NW_004515946.1	Scaffold486	28639	CC	GG	1940453414
SNP_P1_191003_33338	NW_004515946.1	Scaffold486	33338	CC	TT	1940453415
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SNP_P1_191005_33375	NW_004515946.1	Scaffold486	33375	CC	TT	1940453417
SNP_P1_191006_34991	NW_004515946.1	Scaffold486	34991	TT	CC	1940453418
SNP_P1_191008_40899	NW_004515946.1	Scaffold486	40899	TT	GG	1940453419
SNP_P1_191009_40987	NW_004515946.1	Scaffold486	40987	GG	AA	1940453420
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SNP_P1_191011_41007	NW_004515946.1	Scaffold486	41007	AA	GG	1940453422
SNP_P1_191012_41359	NW_004515946.1	Scaffold486	41359	CC	TT	1940453423
SNP_P1_191013_45336	NW_004515946.1	Scaffold486	45336	TT	CC	1940453424
SNP_P1_191014_45607	NW_004515946.1	Scaffold486	45607	GG	AA	1940453425
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SNP_P1_191016_51924	NW_004515946.1	Scaffold486	51924	GG	AA	1940453427
SNP_P1_191017_51930	NW_004515946.1	Scaffold486	51930	AA	GG	1940453428
SNP_P1_191018_51999	NW_004515946.1	Scaffold486	51999	TT	GG	1940453429

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191021_52302	NW_004515946.1	Scaffold486	52302	TT	CC	1940453432
SNP_P1_191022_52365	NW_004515946.1	Scaffold486	52365	GG	TT	1940453433
SNP_P1_191023_52422	NW_004515946.1	Scaffold486	52422	CC	TT	1940453434
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SNP_P1_191025_61010	NW_004515946.1	Scaffold486	61010	GG	AA	1940453436
SNP_P1_191026_61042	NW_004515946.1	Scaffold486	61042	TT	CC	1940453437
SNP_P1_191027_62870	NW_004515946.1	Scaffold486	62870	GG	CC	1940453438
SNP_P1_191028_64256	NW_004515946.1	Scaffold486	64256	AA	TT	1940453439
SNP_P1_191029_75260	NW_004515946.1	Scaffold486	75260	AA	GG	1940453440
SNP_P1_191030_76383	NW_004515946.1	Scaffold486	76383	TT	AA	1940453441
SNP_P1_191031_78831	NW_004515946.1	Scaffold486	78831	GG	TT	1940453442
SNP_P1_191032_88073	NW_004515946.1	Scaffold486	88073	TT	CC	1940453443
SNP_P1_191033_99521	NW_004515946.1	Scaffold486	99521	GG	AA	1940453444
SNP_P1_191034_100715	NW_004515946.1	Scaffold486	100715	TT	AA	1940453445
SNP_P1_191035_101679	NW_004515946.1	Scaffold486	101679	CC	GG	1940453446
SNP_P1_191036_102151	NW_004515946.1	Scaffold486	102151	AA	GG	1940453447
SNP_P1_191037_102643	NW_004515946.1	Scaffold486	102643	CC	AA	1940453448
SNP_P1_191038_103259	NW_004515946.1	Scaffold486	103259	AA	TT	1940453449
SNP_P1_191039_103616	NW_004515946.1	Scaffold486	103616	TT	GG	1940453451
SNP_P1_191040_103627	NW_004515946.1	Scaffold486	103627	AA	GG	1940453452
SNP_P1_191041_103993	NW_004515946.1	Scaffold486	103993	AA	TT	1940453453
SNP_P1_191042_103997	NW_004515946.1	Scaffold486	103997	TT	GG	1940453454
SNP_P1_191043_104065	NW_004515946.1	Scaffold486	104065	CC	TT	1940453455
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SNP_P1_191045_109417	NW_004515946.1	Scaffold486	109417	AA	CC	1940453457
SNP_P1_191046_109428	NW_004515946.1	Scaffold486	109428	GG	TT	1940453458
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SNP_P1_191050_109457	NW_004515946.1	Scaffold486	109457	CC	AA	1940453462
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SNP_P1_191056_117531	NW_004515946.1	Scaffold486	117531	CC	TT	1940453468
SNP_P1_191057_118812	NW_004515946.1	Scaffold486	118812	GG	TT	1940453469
SNP_P1_191058_118828	NW_004515946.1	Scaffold486	118828	GG	AA	1940453470
SNP_P1_191059_118844	NW_004515946.1	Scaffold486	118844	AA	GG	1940453471
SNP_P1_191060_119192	NW_004515946.1	Scaffold486	119192	AA	CC	1940453472

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191062_119287	NW_004515946.1	Scaffold486	119287	CC	TT	1940453474
SNP_P1_191063_119302	NW_004515946.1	Scaffold486	119302	AA	GG	1940453475
SNP_P1_191064_128335	NW_004515946.1	Scaffold486	128335	CC	TT	1940453476
SNP_P1_191065_128419	NW_004515946.1	Scaffold486	128419	GG	AA	1940453477
SNP_P1_191066_128685	NW_004515946.1	Scaffold486	128685	AA	GG	1940453478
SNP_P1_191067_156511	NW_004515946.1	Scaffold486	156511	AA	GG	1940453479
SNP_P1_191068_156614	NW_004515946.1	Scaffold486	156614	GG	CC	1940453480
SNP_P1_191069_156629	NW_004515946.1	Scaffold486	156629	CC	TT	1940453481
SNP_P1_191070_156637	NW_004515946.1	Scaffold486	156637	GG	TT	1940453482
SNP_P1_191071_156657	NW_004515946.1	Scaffold486	156657	AA	TT	1940453483
SNP_P1_191072_156659	NW_004515946.1	Scaffold486	156659	TT	CC	1940453484
SNP_P1_191073_156661	NW_004515946.1	Scaffold486	156661	CC	TT	1940453485
SNP_P1_191074_156707	NW_004515946.1	Scaffold486	156707	CC	TT	1940453486
SNP_P1_191075_156890	NW_004515946.1	Scaffold486	156890	TT	CC	1940453487
SNP_P1_191076_156942	NW_004515946.1	Scaffold486	156942	GG	CC	1940453488
SNP_P1_191077_162151	NW_004515946.1	Scaffold486	162151	GG	AA	1940453489
SNP_P1_191078_171062	NW_004515946.1	Scaffold486	171062	CC	TT	1940453490
SNP_P1_191079_173920	NW_004515946.1	Scaffold486	173920	AA	CC	1940453491
SNP_P1_191080_188131	NW_004515946.1	Scaffold486	188131	CC	TT	1940453492
SNP_P1_191081_188995	NW_004515946.1	Scaffold486	188995	AA	CC	1940453493
SNP_P1_191082_197035	NW_004515946.1	Scaffold486	197035	CC	TT	1940453494
SNP_P1_191083_197042	NW_004515946.1	Scaffold486	197042	AA	TT	1940453495
SNP_P1_191084_197341	NW_004515946.1	Scaffold486	197341	AA	CC	1940453496
SNP_P1_191085_197384	NW_004515946.1	Scaffold486	197384	AA	TT	1940453497
SNP_P1_191086_204489	NW_004515946.1	Scaffold486	204489	AA	GG	1940453498
SNP_P1_191087_204534	NW_004515946.1	Scaffold486	204534	CC	GG	1940453499
SNP_P1_191088_206764	NW_004515946.1	Scaffold486	206764	TT	AA	1940453500
SNP_P1_191089_206821	NW_004515946.1	Scaffold486	206821	CC	TT	1940453501
SNP_P1_191090_209796	NW_004515946.1	Scaffold486	209796	AA	CC	1940453502
SNP_P1_191091_210555	NW_004515946.1	Scaffold486	210555	CC	AA	1940453503
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SNP_P1_191093_214640	NW_004515946.1	Scaffold486	214640	AA	TT	1940453505
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SNP_P1_191096_222433	NW_004515946.1	Scaffold486	222433	TT	GG	1940453508
SNP_P1_191097_222673	NW_004515946.1	Scaffold486	222673	TT	CC	1940453509
SNP_P1_191098_223241	NW_004515946.1	Scaffold486	223241	AA	GG	1940453510
SNP_P1_191099_1685	NW_004515947.1	Scaffold487	1685	AA	CC	1940453511
SNP_P1_191100_1704	NW_004515947.1	Scaffold487	1704	GG	CC	1940453512
SNP_P1_191101_1740	NW_004515947.1	Scaffold487	1740	TT	CC	1940453513
SNP_P1_191102_1890	NW_004515947.1	Scaffold487	1890	CC	TT	1940453514

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191104_1940	NW_004515947.1	Scaffold487	1940	AA	GG	1940453516
SNP_P1_191105_2093	NW_004515947.1	Scaffold487	2093	GG	AA	1940453517
SNP_P1_191106_2096	NW_004515947.1	Scaffold487	2096	GG	AA	1940453518
SNP_P1_191107_2100	NW_004515947.1	Scaffold487	2100	CC	TT	1940453519
SNP_P1_191108_2130	NW_004515947.1	Scaffold487	2130	AA	CC	1940453520
SNP_P1_191109_2253	NW_004515947.1	Scaffold487	2253	GG	AA	1940453521
SNP_P1_191110_2302	NW_004515947.1	Scaffold487	2302	TT	CC	1940453522
SNP_P1_191111_2346	NW_004515947.1	Scaffold487	2346	CC	AA	1940453523
SNP_P1_191112_2425	NW_004515947.1	Scaffold487	2425	TT	CC	1940453524
SNP_P1_191113_2529	NW_004515947.1	Scaffold487	2529	AA	GG	1940453525
SNP_P1_191114_8454	NW_004515947.1	Scaffold487	8454	CC	TT	1940453526
SNP_P1_191115_8473	NW_004515947.1	Scaffold487	8473	CC	TT	1940453527
SNP_P1_191116_8476	NW_004515947.1	Scaffold487	8476	TT	CC	1940453528
SNP_P1_191117_9982	NW_004515947.1	Scaffold487	9982	TT	CC	1940453529
SNP_P1_191118_10033	NW_004515947.1	Scaffold487	10033	AA	GG	1940453530
SNP_P1_191119_10292	NW_004515947.1	Scaffold487	10292	TT	AA	1940453531
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SNP_P1_191122_10446	NW_004515947.1	Scaffold487	10446	GG	AA	1940453534
SNP_P1_191123_10491	NW_004515947.1	Scaffold487	10491	TT	GG	1940453535
SNP_P1_191124_10549	NW_004515947.1	Scaffold487	10549	AA	GG	1940453536
SNP_P1_191125_27917	NW_004515947.1	Scaffold487	27917	CC	TT	1940453537
SNP_P1_191126_30648	NW_004515947.1	Scaffold487	30648	CC	TT	1940453538
SNP_P1_191127_30687	NW_004515947.1	Scaffold487	30687	CC	TT	1940453539
SNP_P1_191128_30729	NW_004515947.1	Scaffold487	30729	GG	CC	1940453540
SNP_P1_191129_30956	NW_004515947.1	Scaffold487	30956	AA	CC	1940453541
SNP_P1_191130_30968	NW_004515947.1	Scaffold487	30968	CC	GG	1940453542
SNP_P1_191131_30973	NW_004515947.1	Scaffold487	30973	TT	AA	1940453543
SNP_P1_191132_31026	NW_004515947.1	Scaffold487	31026	TT	CC	1940453544
SNP_P1_191133_33157	NW_004515947.1	Scaffold487	33157	TT	AA	1940453545
SNP_P1_191134_37715	NW_004515947.1	Scaffold487	37715	CC	AA	1940453546
SNP_P1_191135_39875	NW_004515947.1	Scaffold487	39875	CC	GG	1940453547
SNP_P1_191136_39936	NW_004515947.1	Scaffold487	39936	CC	TT	1940453548
SNP_P1_191137_39938	NW_004515947.1	Scaffold487	39938	GG	CC	1940453549
SNP_P1_191138_40111	NW_004515947.1	Scaffold487	40111	TT	GG	1940453550
SNP_P1_191139_40144	NW_004515947.1	Scaffold487	40144	AA	CC	1940453551
SNP_P1_191140_40327	NW_004515947.1	Scaffold487	40327	TT	AA	1940453552
SNP_P1_191141_40423	NW_004515947.1	Scaffold487	40423	TT	CC	1940453553
SNP_P1_191142_40499	NW_004515947.1	Scaffold487	40499	TT	AA	1940453554
SNP_P1_191143_40581	NW_004515947.1	Scaffold487	40581	TT	GG	1940453555
SNP_P1_191144_40627	NW_004515947.1	Scaffold487	40627	TT	CC	1940453556

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191146_40691	NW_004515947.1	Scaffold487	40691	CC	GG	1940453558
SNP_P1_191147_40726	NW_004515947.1	Scaffold487	40726	CC	TT	1940453559
SNP_P1_191148_40728	NW_004515947.1	Scaffold487	40728	TT	AA	1940453560
SNP_P1_191149_40861	NW_004515947.1	Scaffold487	40861	AA	CC	1940453561
SNP_P1_191150_40938	NW_004515947.1	Scaffold487	40938	TT	CC	1940453562
SNP_P1_191151_40960	NW_004515947.1	Scaffold487	40960	CC	AA	1940453563
SNP_P1_191152_40981	NW_004515947.1	Scaffold487	40981	TT	CC	1940453564
SNP_P1_191153_41023	NW_004515947.1	Scaffold487	41023	GG	CC	1940453565
SNP_P1_191154_41030	NW_004515947.1	Scaffold487	41030	GG	AA	1940453566
SNP_P1_191155_41094	NW_004515947.1	Scaffold487	41094	GG	AA	1940453567
SNP_P1_191156_51212	NW_004515947.1	Scaffold487	51212	TT	AA	1940453568
SNP_P1_191158_51310	NW_004515947.1	Scaffold487	51310	GG	AA	1940453569
SNP_P1_191159_52772	NW_004515947.1	Scaffold487	52772	GG	CC	1940453570
SNP_P1_191160_61399	NW_004515947.1	Scaffold487	61399	GG	CC	1940453571
SNP_P1_191161_61452	NW_004515947.1	Scaffold487	61452	AA	GG	1940453572
SNP_P1_191162_61607	NW_004515947.1	Scaffold487	61607	GG	AA	1940453573
SNP_P1_191163_61612	NW_004515947.1	Scaffold487	61612	TT	GG	1940453574
SNP_P1_191164_61666	NW_004515947.1	Scaffold487	61666	GG	AA	1940453575
SNP_P1_191165_61667	NW_004515947.1	Scaffold487	61667	AA	GG	1940453576
SNP_P1_191166_67440	NW_004515947.1	Scaffold487	67440	TT	GG	1940453577
SNP_P1_191167_67486	NW_004515947.1	Scaffold487	67486	TT	CC	1940453578
SNP_P1_191168_67539	NW_004515947.1	Scaffold487	67539	AA	CC	1940453579
SNP_P1_191169_73469	NW_004515947.1	Scaffold487	73469	TT	AA	1940453580
SNP_P1_191170_75985	NW_004515947.1	Scaffold487	75985	CC	TT	1940453581
SNP_P1_191171_76655	NW_004515947.1	Scaffold487	76655	TT	CC	1940453582
SNP_P1_191172_76663	NW_004515947.1	Scaffold487	76663	GG	AA	1940453583
SNP_P1_191173_79505	NW_004515947.1	Scaffold487	79505	AA	GG	1940453584
SNP_P1_191174_80602	NW_004515947.1	Scaffold487	80602	AA	GG	1940453585
SNP_P1_191175_80604	NW_004515947.1	Scaffold487	80604	CC	TT	1940453586
SNP_P1_191176_80636	NW_004515947.1	Scaffold487	80636	GG	TT	1940453587
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SNP_P1_191178_81962	NW_004515947.1	Scaffold487	81962	GG	CC	1940453590
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SNP_P1_191180_83694	NW_004515947.1	Scaffold487	83694	GG	AA	1940453592
SNP_P1_191181_83699	NW_004515947.1	Scaffold487	83699	GG	AA	1940453593
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SNP_P1_191183_83728	NW_004515947.1	Scaffold487	83728	CC	TT	1940453595
SNP_P1_191184_83750	NW_004515947.1	Scaffold487	83750	TT	GG	1940453596
SNP_P1_191185_83754	NW_004515947.1	Scaffold487	83754	CC	TT	1940453597
SNP_P1_191186_84071	NW_004515947.1	Scaffold487	84071	GG	TT	1940453598
SNP_P1_191187_84110	NW_004515947.1	Scaffold487	84110	GG	TT	1940453599

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SNP_P1_191189_85760	NW_004515947.1	Scaffold487	85760	GG	AA	1940453601
SNP_P1_191190_87250	NW_004515947.1	Scaffold487	87250	CC	GG	1940453602
SNP_P1_191192_364	NW_004515950.1	Scaffold491	364	AA	CC	1940453603
SNP_P1_191193_5792	NW_004515950.1	Scaffold491	5792	GG	AA	1940453604
SNP_P1_191194_5833	NW_004515950.1	Scaffold491	5833	GG	AA	1940453605
SNP_P1_191195_8756	NW_004515950.1	Scaffold491	8756	AA	CC	1940453606
SNP_P1_191196_8757	NW_004515950.1	Scaffold491	8757	GG	CC	1940453607
SNP_P1_191197_9036	NW_004515950.1	Scaffold491	9036	TT	AA	1940453608
SNP_P1_191198_9037	NW_004515950.1	Scaffold491	9037	GG	AA	1940453609
SNP_P1_191199_9053	NW_004515950.1	Scaffold491	9053	TT	AA	1940453610
SNP_P1_191200_9283	NW_004515950.1	Scaffold491	9283	GG	CC	1940453611
SNP_P1_191201_9529	NW_004515950.1	Scaffold491	9529	GG	AA	1940453612
SNP_P1_191202_9602	NW_004515950.1	Scaffold491	9602	TT	GG	1940453613
SNP_P1_191203_10918	NW_004515950.1	Scaffold491	10918	GG	AA	1940453614
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SNP_P1_191207_11727	NW_004515950.1	Scaffold491	11727	CC	TT	1940453618
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SNP_P1_191211_12086	NW_004515950.1	Scaffold491	12086	TT	AA	1940453622
SNP_P1_191212_12091	NW_004515950.1	Scaffold491	12091	TT	CC	1940453623
SNP_P1_191213_12517	NW_004515950.1	Scaffold491	12517	AA	GG	1940453624
SNP_P1_191214_15760	NW_004515950.1	Scaffold491	15760	TT	AA	1940453625
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SNP_P1_191216_15867	NW_004515950.1	Scaffold491	15867	AA	GG	1940453627
SNP_P1_191217_16035	NW_004515950.1	Scaffold491	16035	TT	GG	1940453628
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SNP_P1_191219_20298	NW_004515950.1	Scaffold491	20298	TT	CC	1940453630
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SNP_P1_191221_20780	NW_004515950.1	Scaffold491	20780	AA	GG	1940453632
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SNP_P1_191225_22549	NW_004515950.1	Scaffold491	22549	TT	CC	1940453636
SNP_P1_191226_22654	NW_004515950.1	Scaffold491	22654	AA	GG	1940453637
SNP_P1_191227_22657	NW_004515950.1	Scaffold491	22657	GG	TT	1940453638
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SNP_P1_191229_22823	NW_004515950.1	Scaffold491	22823	TT	CC	1940453640
SNP_P1_191230_23029	NW_004515950.1	Scaffold491	23029	AA	GG	1940453641

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191232_23629	NW_004515950.1	Scaffold491	23629	CC	TT	1940453643
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SNP_P1_191234_23669	NW_004515950.1	Scaffold491	23669	GG	AA	1940453645
SNP_P1_191235_23892	NW_004515950.1	Scaffold491	23892	GG	TT	1940453646
SNP_P1_191236_23910	NW_004515950.1	Scaffold491	23910	TT	CC	1940453647
SNP_P1_191237_24079	NW_004515950.1	Scaffold491	24079	TT	AA	1940453648
SNP_P1_191238_26631	NW_004515950.1	Scaffold491	26631	AA	GG	1940453649
SNP_P1_191239_26923	NW_004515950.1	Scaffold491	26923	GG	CC	1940453650
SNP_P1_191240_27043	NW_004515950.1	Scaffold491	27043	AA	CC	1940453651
SNP_P1_191241_27330	NW_004515950.1	Scaffold491	27330	AA	TT	1940453652
SNP_P1_191242_29093	NW_004515950.1	Scaffold491	29093	CC	GG	1940453653
SNP_P1_191243_29174	NW_004515950.1	Scaffold491	29174	AA	GG	1940453654
SNP_P1_191245_29330	NW_004515950.1	Scaffold491	29330	AA	GG	1940453655
SNP_P1_191246_29389	NW_004515950.1	Scaffold491	29389	CC	GG	1940453656
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SNP_P1_191248_519	NW_004515951.1	Scaffold492	519	CC	AA	1940453658
SNP_P1_191249_684	NW_004515951.1	Scaffold492	684	CC	AA	1940453659
SNP_P1_191250_737	NW_004515951.1	Scaffold492	737	AA	GG	1940453660
SNP_P1_191251_751	NW_004515951.1	Scaffold492	751	CC	AA	1940453661
SNP_P1_191252_914	NW_004515951.1	Scaffold492	914	CC	AA	1940453662
SNP_P1_191253_1195	NW_004515951.1	Scaffold492	1195	GG	AA	1940453663
SNP_P1_191254_1553	NW_004515951.1	Scaffold492	1553	GG	CC	1940453664
SNP_P1_191255_1739	NW_004515951.1	Scaffold492	1739	GG	AA	1940453665
SNP_P1_191256_1785	NW_004515951.1	Scaffold492	1785	CC	AA	1940453666
SNP_P1_191257_2339	NW_004515951.1	Scaffold492	2339	AA	CC	1940453667
SNP_P1_191258_2752	NW_004515951.1	Scaffold492	2752	GG	AA	1940453668
SNP_P1_191259_5645	NW_004515951.1	Scaffold492	5645	AA	GG	1940453669
SNP_P1_191260_5805	NW_004515951.1	Scaffold492	5805	TT	CC	1940453670
SNP_P1_191261_5972	NW_004515951.1	Scaffold492	5972	TT	AA	1940453671
SNP_P1_191262_6158	NW_004515951.1	Scaffold492	6158	TT	AA	1940453672
SNP_P1_191263_15069	NW_004515951.1	Scaffold492	15069	GG	TT	1940453673
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SNP_P1_191265_15103	NW_004515951.1	Scaffold492	15103	AA	TT	1940453675
SNP_P1_191266_15115	NW_004515951.1	Scaffold492	15115	GG	AA	1940453676
SNP_P1_191267_15411	NW_004515951.1	Scaffold492	15411	CC	TT	1940453677
SNP_P1_191268_16791	NW_004515951.1	Scaffold492	16791	CC	TT	1940453678
SNP_P1_191269_23536	NW_004515951.1	Scaffold492	23536	CC	TT	1940453679
SNP_P1_191270_23565	NW_004515951.1	Scaffold492	23565	CC	GG	1940453680
SNP_P1_191271_23815	NW_004515951.1	Scaffold492	23815	GG	AA	1940453681
SNP_P1_191272_23849	NW_004515951.1	Scaffold492	23849	CC	AA	1940453682
SNP_P1_191273_23850	NW_004515951.1	Scaffold492	23850	CC	GG	1940453683

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191275_23916	NW_004515951.1	Scaffold492	23916	AA	TT	1940453685
SNP_P1_191276_27253	NW_004515951.1	Scaffold492	27253	TT	AA	1940453686
SNP_P1_191277_27299	NW_004515951.1	Scaffold492	27299	CC	TT	1940453687
SNP_P1_191278_27309	NW_004515951.1	Scaffold492	27309	GG	AA	1940453688
SNP_P1_191279_27312	NW_004515951.1	Scaffold492	27312	AA	GG	1940453689
SNP_P1_191280_34969	NW_004515951.1	Scaffold492	34969	CC	GG	1940453690
SNP_P1_191281_35079	NW_004515951.1	Scaffold492	35079	TT	AA	1940453691
SNP_P1_191282_35098	NW_004515951.1	Scaffold492	35098	TT	CC	1940453692
SNP_P1_191283_35256	NW_004515951.1	Scaffold492	35256	GG	CC	1940453693
SNP_P1_191284_35311	NW_004515951.1	Scaffold492	35311	CC	AA	1940453694
SNP_P1_191285_35376	NW_004515951.1	Scaffold492	35376	TT	CC	1940453695
SNP_P1_191286_35638	NW_004515951.1	Scaffold492	35638	GG	TT	1940453696
SNP_P1_191288_35988	NW_004515951.1	Scaffold492	35988	GG	TT	1940453697
SNP_P1_191289_36132	NW_004515951.1	Scaffold492	36132	CC	TT	1940453698
SNP_P1_191290_36135	NW_004515951.1	Scaffold492	36135	GG	CC	1940453699
SNP_P1_191291_36205	NW_004515951.1	Scaffold492	36205	GG	AA	1940453700
SNP_P1_191292_36477	NW_004515951.1	Scaffold492	36477	GG	TT	1940453701
SNP_P1_191293_36568	NW_004515951.1	Scaffold492	36568	CC	TT	1940453702
SNP_P1_191294_36762	NW_004515951.1	Scaffold492	36762	GG	TT	1940453703
SNP_P1_191296_36848	NW_004515951.1	Scaffold492	36848	GG	TT	1940453704
SNP_P1_191297_36980	NW_004515951.1	Scaffold492	36980	TT	GG	1940453705
SNP_P1_191298_36985	NW_004515951.1	Scaffold492	36985	CC	TT	1940453706
SNP_P1_191299_4637	NW_004515952.1	Scaffold493	4637	GG	AA	1940453707
SNP_P1_191301_35586	NW_004515952.1	Scaffold493	35586	AA	GG	1940453708
SNP_P1_191302_38448	NW_004515952.1	Scaffold493	38448	GG	AA	1940453709
SNP_P1_191303_45043	NW_004515952.1	Scaffold493	45043	CC	TT	1940453710
SNP_P1_191304_45083	NW_004515952.1	Scaffold493	45083	TT	CC	1940453711
SNP_P1_191305_45216	NW_004515952.1	Scaffold493	45216	TT	CC	1940453712
SNP_P1_191306_47272	NW_004515952.1	Scaffold493	47272	TT	CC	1940453713
SNP_P1_191308_47421	NW_004515952.1	Scaffold493	47421	GG	AA	1940453714
SNP_P1_191309_47423	NW_004515952.1	Scaffold493	47423	CC	TT	1940453715
SNP_P1_191310_47513	NW_004515952.1	Scaffold493	47513	GG	AA	1940453716
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SNP_P1_191312_47831	NW_004515952.1	Scaffold493	47831	AA	GG	1940453718
SNP_P1_191313_50578	NW_004515952.1	Scaffold493	50578	AA	GG	1940453719
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SNP_P1_191316_57205	NW_004515952.1	Scaffold493	57205	CC	AA	1940453721
SNP_P1_191317_62028	NW_004515952.1	Scaffold493	62028	AA	GG	1940453722
SNP_P1_191318_71003	NW_004515952.1	Scaffold493	71003	TT	CC	1940453723
SNP_P1_191319_71013	NW_004515952.1	Scaffold493	71013	CC	TT	1940453724
SNP_P1_191320_71480	NW_004515952.1	Scaffold493	71480	AA	GG	1940453725

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191322_71497	NW_004515952.1	Scaffold493	71497	TT	CC	1940453727
SNP_P1_191323_84504	NW_004515952.1	Scaffold493	84504	TT	AA	1940453728
SNP_P1_191324_84546	NW_004515952.1	Scaffold493	84546	TT	CC	1940453729
SNP_P1_191325_84558	NW_004515952.1	Scaffold493	84558	AA	TT	1940453730
SNP_P1_191326_84588	NW_004515952.1	Scaffold493	84588	AA	TT	1940453732
SNP_P1_191327_86667	NW_004515952.1	Scaffold493	86667	CC	TT	1940453733
SNP_P1_191328_86677	NW_004515952.1	Scaffold493	86677	AA	GG	1940453734
SNP_P1_191329_87715	NW_004515952.1	Scaffold493	87715	AA	CC	1940453735
SNP_P1_191330_87921	NW_004515952.1	Scaffold493	87921	TT	CC	1940453736
SNP_P1_191331_87959	NW_004515952.1	Scaffold493	87959	TT	CC	1940453737
SNP_P1_191332_87961	NW_004515952.1	Scaffold493	87961	AA	GG	1940453738
SNP_P1_191333_87969	NW_004515952.1	Scaffold493	87969	GG	CC	1940453739
SNP_P1_191334_87998	NW_004515952.1	Scaffold493	87998	AA	GG	1940453740
SNP_P1_191335_88390	NW_004515952.1	Scaffold493	88390	GG	AA	1940453741
SNP_P1_191336_88480	NW_004515952.1	Scaffold493	88480	AA	GG	1940453742
SNP_P1_191337_88483	NW_004515952.1	Scaffold493	88483	AA	GG	1940453743
SNP_P1_191338_88503	NW_004515952.1	Scaffold493	88503	CC	AA	1940453744
SNP_P1_191339_88505	NW_004515952.1	Scaffold493	88505	TT	AA	1940453745
SNP_P1_191340_88510	NW_004515952.1	Scaffold493	88510	AA	GG	1940453746
SNP_P1_191341_88517	NW_004515952.1	Scaffold493	88517	AA	GG	1940453747
SNP_P1_191342_92396	NW_004515952.1	Scaffold493	92396	AA	GG	1940453748
SNP_P1_191343_93853	NW_004515952.1	Scaffold493	93853	CC	TT	1940453749
SNP_P1_191344_93936	NW_004515952.1	Scaffold493	93936	AA	GG	1940453750
SNP_P1_191345_94320	NW_004515952.1	Scaffold493	94320	CC	TT	1940453751
SNP_P1_191346_94327	NW_004515952.1	Scaffold493	94327	CC	TT	1940453752
SNP_P1_191347_94338	NW_004515952.1	Scaffold493	94338	CC	GG	1940453753
SNP_P1_191348_94339	NW_004515952.1	Scaffold493	94339	AA	GG	1940453754
SNP_P1_191349_94386	NW_004515952.1	Scaffold493	94386	AA	TT	1940453755
SNP_P1_191350_101069	NW_004515952.1	Scaffold493	101069	TT	CC	1940453756
SNP_P1_191351_102736	NW_004515952.1	Scaffold493	102736	TT	GG	1940453757
SNP_P1_191352_122477	NW_004515952.1	Scaffold493	122477	GG	AA	1940453758
SNP_P1_191353_124100	NW_004515952.1	Scaffold493	124100	CC	TT	1940453759
SNP_P1_191354_124120	NW_004515952.1	Scaffold493	124120	CC	TT	1940453760
SNP_P1_191355_124241	NW_004515952.1	Scaffold493	124241	AA	TT	1940453761
SNP_P1_191356_124421	NW_004515952.1	Scaffold493	124421	AA	GG	1940453762
SNP_P1_191357_124463	NW_004515952.1	Scaffold493	124463	TT	AA	1940453763
SNP_P1_191358_125032	NW_004515952.1	Scaffold493	125032	TT	CC	1940453764
SNP_P1_191359_125061	NW_004515952.1	Scaffold493	125061	TT	CC	1940453765
SNP_P1_191360_125103	NW_004515952.1	Scaffold493	125103	AA	GG	1940453766
SNP_P1_191361_125338	NW_004515952.1	Scaffold493	125338	GG	AA	1940453767
SNP_P1_191362_125385	NW_004515952.1	Scaffold493	125385	AA	CC	1940453768

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191364_125663	NW_004515952.1	Scaffold493	125663	TT	CC	1940453770
SNP_P1_191365_125674	NW_004515952.1	Scaffold493	125674	CC	AA	1940453771
SNP_P1_191367_125900	NW_004515952.1	Scaffold493	125900	AA	GG	1940453772
SNP_P1_191368_138165	NW_004515952.1	Scaffold493	138165	CC	GG	1940453773
SNP_P1_191369_138177	NW_004515952.1	Scaffold493	138177	GG	AA	1940453774
SNP_P1_191370_138187	NW_004515952.1	Scaffold493	138187	AA	GG	1940453775
SNP_P1_191371_138241	NW_004515952.1	Scaffold493	138241	AA	GG	1940453776
SNP_P1_191372_138250	NW_004515952.1	Scaffold493	138250	TT	CC	1940453777
SNP_P1_191373_138487	NW_004515952.1	Scaffold493	138487	TT	CC	1940453778
SNP_P1_191374_138493	NW_004515952.1	Scaffold493	138493	TT	CC	1940453779
SNP_P1_191375_138498	NW_004515952.1	Scaffold493	138498	CC	GG	1940453780
SNP_P1_191376_138504	NW_004515952.1	Scaffold493	138504	AA	TT	1940453781
SNP_P1_191377_138510	NW_004515952.1	Scaffold493	138510	AA	GG	1940453782
SNP_P1_191378_138519	NW_004515952.1	Scaffold493	138519	TT	CC	1940453783
SNP_P1_191379_138605	NW_004515952.1	Scaffold493	138605	AA	CC	1940453784
SNP_P1_191380_142513	NW_004515952.1	Scaffold493	142513	AA	CC	1940453785
SNP_P1_191381_142741	NW_004515952.1	Scaffold493	142741	AA	CC	1940453786
SNP_P1_191382_142759	NW_004515952.1	Scaffold493	142759	CC	TT	1940453787
SNP_P1_191383_142770	NW_004515952.1	Scaffold493	142770	TT	CC	1940453788
SNP_P1_191384_142792	NW_004515952.1	Scaffold493	142792	AA	GG	1940453789
SNP_P1_191385_142836	NW_004515952.1	Scaffold493	142836	TT	AA	1940453790
SNP_P1_191386_144384	NW_004515952.1	Scaffold493	144384	AA	GG	1940453791
SNP_P1_191390_170523	NW_004515952.1	Scaffold493	170523	CC	TT	1940453792
SNP_P1_191391_176924	NW_004515952.1	Scaffold493	176924	TT	CC	1940453793
SNP_P1_191392_179259	NW_004515952.1	Scaffold493	179259	CC	TT	1940453794
SNP_P1_191393_184492	NW_004515952.1	Scaffold493	184492	AA	GG	1940453795
SNP_P1_191394_185046	NW_004515952.1	Scaffold493	185046	TT	CC	1940453796
SNP_P1_191395_185159	NW_004515952.1	Scaffold493	185159	GG	AA	1940453797
SNP_P1_191396_185367	NW_004515952.1	Scaffold493	185367	CC	TT	1940453798
SNP_P1_191397_185476	NW_004515952.1	Scaffold493	185476	TT	CC	1940453799
SNP_P1_191398_185521	NW_004515952.1	Scaffold493	185521	GG	AA	1940453800
SNP_P1_191399_185615	NW_004515952.1	Scaffold493	185615	TT	CC	1940453801
SNP_P1_191400_186642	NW_004515952.1	Scaffold493	186642	GG	AA	1940453802
SNP_P1_191401_186670	NW_004515952.1	Scaffold493	186670	CC	AA	1940453803
SNP_P1_191402_186702	NW_004515952.1	Scaffold493	186702	CC	AA	1940453804
SNP_P1_191403_189643	NW_004515952.1	Scaffold493	189643	CC	TT	1940453805
SNP_P1_191404_196847	NW_004515952.1	Scaffold493	196847	AA	GG	1940453806
SNP_P1_191405_196855	NW_004515952.1	Scaffold493	196855	GG	AA	1940453807
SNP_P1_191406_196858	NW_004515952.1	Scaffold493	196858	AA	TT	1940453808
SNP_P1_191407_196877	NW_004515952.1	Scaffold493	196877	GG	AA	1940453809
SNP_P1_191409_206981	NW_004515952.1	Scaffold493	206981	GG	AA	1940453810

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191411_215791	NW_004515952.1	Scaffold493	215791	TT	GG	1940453812
SNP_P1_191412_217771	NW_004515952.1	Scaffold493	217771	AA	TT	1940453813
SNP_P1_191414_218699	NW_004515952.1	Scaffold493	218699	AA	GG	1940453814
SNP_P1_191415_222128	NW_004515952.1	Scaffold493	222128	AA	GG	1940453815
SNP_P1_191416_225425	NW_004515952.1	Scaffold493	225425	GG	CC	1940453816
SNP_P1_191418_244087	NW_004515952.1	Scaffold493	244087	AA	CC	1940453817
SNP_P1_191420_257001	NW_004515952.1	Scaffold493	257001	GG	AA	1940453818
SNP_P1_191421_265265	NW_004515952.1	Scaffold493	265265	AA	GG	1940453819
SNP_P1_191422_269140	NW_004515952.1	Scaffold493	269140	CC	AA	1940453820
SNP_P1_191423_293172	NW_004515952.1	Scaffold493	293172	GG	TT	1940453821
SNP_P1_191424_293366	NW_004515952.1	Scaffold493	293366	AA	GG	1940453822
SNP_P1_191425_293443	NW_004515952.1	Scaffold493	293443	CC	TT	1940453823
SNP_P1_191426_294172	NW_004515952.1	Scaffold493	294172	AA	TT	1940453824
SNP_P1_191428_297073	NW_004515952.1	Scaffold493	297073	TT	GG	1940453825
SNP_P1_191429_297102	NW_004515952.1	Scaffold493	297102	GG	AA	1940453826
SNP_P1_191430_297262	NW_004515952.1	Scaffold493	297262	GG	TT	1940453827
SNP_P1_191431_297332	NW_004515952.1	Scaffold493	297332	TT	AA	1940453828
SNP_P1_191432_297334	NW_004515952.1	Scaffold493	297334	AA	GG	1940453829
SNP_P1_191433_297624	NW_004515952.1	Scaffold493	297624	TT	CC	1940453830
SNP_P1_191434_297749	NW_004515952.1	Scaffold493	297749	CC	TT	1940453831
SNP_P1_191435_300781	NW_004515952.1	Scaffold493	300781	TT	CC	1940453832
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SNP_P1_191440_7381	NW_004515953.1	Scaffold495	7381	GG	CC	1940453836
SNP_P1_191442_9720	NW_004515953.1	Scaffold495	9720	TT	CC	1940453837
SNP_P1_191443_10048	NW_004515953.1	Scaffold495	10048	TT	AA	1940453838
SNP_P1_191444_19639	NW_004515953.1	Scaffold495	19639	GG	AA	1940453839
SNP_P1_191446_22927	NW_004515953.1	Scaffold495	22927	TT	AA	1940453840
SNP_P1_191447_25991	NW_004515953.1	Scaffold495	25991	AA	TT	1940453841
SNP_P1_191448_26010	NW_004515953.1	Scaffold495	26010	AA	GG	1940453842
SNP_P1_191449_26654	NW_004515953.1	Scaffold495	26654	CC	TT	1940453843
SNP_P1_191450_26815	NW_004515953.1	Scaffold495	26815	AA	GG	1940453844
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SNP_P1_191453_28694	NW_004515953.1	Scaffold495	28694	TT	CC	1940453846
SNP_P1_191455_35255	NW_004515953.1	Scaffold495	35255	CC	TT	1940453847
SNP_P1_191457_35840	NW_004515953.1	Scaffold495	35840	CC	TT	1940453848
SNP_P1_191458_36607	NW_004515953.1	Scaffold495	36607	CC	GG	1940453849
SNP_P1_191459_37293	NW_004515953.1	Scaffold495	37293	GG	AA	1940453850
SNP_P1_191460_50595	NW_004515953.1	Scaffold495	50595	AA	CC	1940453851
SNP_P1_191462_63120	NW_004515953.1	Scaffold495	63120	TT	CC	1940453852

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191464_66170	NW_004515953.1	Scaffold495	66170	CC	AA	1940453854
SNP_P1_191465_70474	NW_004515953.1	Scaffold495	70474	AA	TT	1940453855
SNP_P1_191466_87827	NW_004515953.1	Scaffold495	87827	AA	GG	1940453856
SNP_P1_191467_97153	NW_004515953.1	Scaffold495	97153	AA	CC	1940453857
SNP_P1_191468_97410	NW_004515953.1	Scaffold495	97410	AA	GG	1940453858
SNP_P1_191469_112258	NW_004515953.1	Scaffold495	112258	CC	TT	1940453859
SNP_P1_191470_113185	NW_004515953.1	Scaffold495	113185	TT	GG	1940453860
SNP_P1_191471_115584	NW_004515953.1	Scaffold495	115584	GG	TT	1940453861
SNP_P1_191472_119913	NW_004515953.1	Scaffold495	119913	TT	CC	1940453862
SNP_P1_191473_122546	NW_004515953.1	Scaffold495	122546	AA	GG	1940453863
SNP_P1_191475_123537	NW_004515953.1	Scaffold495	123537	AA	TT	1940453864
SNP_P1_191476_125225	NW_004515953.1	Scaffold495	125225	TT	CC	1940453865
SNP_P1_191477_125743	NW_004515953.1	Scaffold495	125743	TT	AA	1940453866
SNP_P1_191479_126715	NW_004515953.1	Scaffold495	126715	CC	TT	1940453867
SNP_P1_191480_132063	NW_004515953.1	Scaffold495	132063	AA	TT	1940453868
SNP_P1_191481_132779	NW_004515953.1	Scaffold495	132779	TT	AA	1940453869
SNP_P1_191482_132838	NW_004515953.1	Scaffold495	132838	TT	AA	1940453870
SNP_P1_191484_132853	NW_004515953.1	Scaffold495	132853	GG	TT	1940453871
SNP_P1_191485_132883	NW_004515953.1	Scaffold495	132883	CC	TT	1940453872
SNP_P1_191486_132886	NW_004515953.1	Scaffold495	132886	CC	TT	1940453873
SNP_P1_191487_132930	NW_004515953.1	Scaffold495	132930	TT	CC	1940453875
SNP_P1_191488_132975	NW_004515953.1	Scaffold495	132975	CC	TT	1940453876
SNP_P1_191489_133397	NW_004515953.1	Scaffold495	133397	GG	TT	1940453877
SNP_P1_191490_134728	NW_004515953.1	Scaffold495	134728	AA	GG	1940453878
SNP_P1_191491_137702	NW_004515953.1	Scaffold495	137702	AA	CC	1940453879
SNP_P1_191493_139643	NW_004515953.1	Scaffold495	139643	GG	AA	1940453880
SNP_P1_191495_142398	NW_004515953.1	Scaffold495	142398	GG	AA	1940453881
SNP_P1_191496_1490	NW_004515954.1	Scaffold496	1490	GG	AA	1940453882
SNP_P1_191497_2070	NW_004515954.1	Scaffold496	2070	TT	CC	1940453883
SNP_P1_191498_2795	NW_004515954.1	Scaffold496	2795	GG	AA	1940453884
SNP_P1_191500_11195	NW_004515954.1	Scaffold496	11195	AA	TT	1940453885
SNP_P1_191501_11196	NW_004515954.1	Scaffold496	11196	GG	AA	1940453886
SNP_P1_191502_11201	NW_004515954.1	Scaffold496	11201	AA	CC	1940453887
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SNP_P1_191504_11517	NW_004515954.1	Scaffold496	11517	CC	GG	1940453889
SNP_P1_191505_11555	NW_004515954.1	Scaffold496	11555	AA	CC	1940453890
SNP_P1_191506_11565	NW_004515954.1	Scaffold496	11565	AA	GG	1940453891
SNP_P1_191507_11591	NW_004515954.1	Scaffold496	11591	AA	CC	1940453892
SNP_P1_191508_11788	NW_004515954.1	Scaffold496	11788	AA	GG	1940453893
SNP_P1_191509_23236	NW_004515954.1	Scaffold496	23236	AA	GG	1940453894
SNP_P1_191510_23892	NW_004515954.1	Scaffold496	23892	AA	GG	1940453895

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191512_31354	NW_004515954.1	Scaffold496	31354	AA	GG	1940453897
SNP_P1_191513_31355	NW_004515954.1	Scaffold496	31355	AA	TT	1940453898
SNP_P1_191514_31617	NW_004515954.1	Scaffold496	31617	AA	GG	1940453899
SNP_P1_191515_31667	NW_004515954.1	Scaffold496	31667	TT	GG	1940453900
SNP_P1_191516_31713	NW_004515954.1	Scaffold496	31713	AA	GG	1940453901
SNP_P1_191517_32318	NW_004515954.1	Scaffold496	32318	AA	GG	1940453902
SNP_P1_191518_34215	NW_004515954.1	Scaffold496	34215	AA	TT	1940453903
SNP_P1_191519_34270	NW_004515954.1	Scaffold496	34270	CC	TT	1940453904
SNP_P1_191520_34430	NW_004515954.1	Scaffold496	34430	AA	GG	1940453905
SNP_P1_191521_34712	NW_004515954.1	Scaffold496	34712	AA	GG	1940453906
SNP_P1_191522_37435	NW_004515954.1	Scaffold496	37435	TT	GG	1940453907
SNP_P1_191523_41951	NW_004515954.1	Scaffold496	41951	AA	GG	1940453908
SNP_P1_191524_41959	NW_004515954.1	Scaffold496	41959	TT	CC	1940453909
SNP_P1_191525_42127	NW_004515954.1	Scaffold496	42127	AA	CC	1940453910
SNP_P1_191526_42139	NW_004515954.1	Scaffold496	42139	AA	GG	1940453911
SNP_P1_191527_42147	NW_004515954.1	Scaffold496	42147	AA	TT	1940453912
SNP_P1_191528_42246	NW_004515954.1	Scaffold496	42246	TT	CC	1940453913
SNP_P1_191529_42263	NW_004515954.1	Scaffold496	42263	AA	GG	1940453914
SNP_P1_191530_42338	NW_004515954.1	Scaffold496	42338	AA	GG	1940453915
SNP_P1_191531_42365	NW_004515954.1	Scaffold496	42365	AA	TT	1940453916
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SNP_P1_191533_42471	NW_004515954.1	Scaffold496	42471	AA	CC	1940453918
SNP_P1_191534_42490	NW_004515954.1	Scaffold496	42490	AA	GG	1940453919
SNP_P1_191535_42517	NW_004515954.1	Scaffold496	42517	GG	CC	1940453920
SNP_P1_191536_42524	NW_004515954.1	Scaffold496	42524	GG	AA	1940453921
SNP_P1_191537_42580	NW_004515954.1	Scaffold496	42580	AA	GG	1940453922
SNP_P1_191538_42583	NW_004515954.1	Scaffold496	42583	CC	TT	1940453923
SNP_P1_191539_42598	NW_004515954.1	Scaffold496	42598	AA	CC	1940453924
SNP_P1_191540_48930	NW_004515954.1	Scaffold496	48930	GG	AA	1940453925
SNP_P1_191541_49835	NW_004515954.1	Scaffold496	49835	GG	TT	1940453926
SNP_P1_191542_49838	NW_004515954.1	Scaffold496	49838	AA	GG	1940453927
SNP_P1_191544_55006	NW_004515954.1	Scaffold496	55006	AA	GG	1940453928
SNP_P1_191545_55055	NW_004515954.1	Scaffold496	55055	AA	CC	1940453929
SNP_P1_191546_56038	NW_004515954.1	Scaffold496	56038	CC	GG	1940453930
SNP_P1_191547_66629	NW_004515954.1	Scaffold496	66629	AA	GG	1940453931
SNP_P1_191548_66639	NW_004515954.1	Scaffold496	66639	GG	AA	1940453932
SNP_P1_191549_70562	NW_004515954.1	Scaffold496	70562	AA	CC	1940453933
SNP_P1_191550_82042	NW_004515954.1	Scaffold496	82042	GG	AA	1940453934
SNP_P1_191551_82565	NW_004515954.1	Scaffold496	82565	CC	TT	1940453935
SNP_P1_191552_82577	NW_004515954.1	Scaffold496	82577	CC	AA	1940453936
SNP_P1_191553_82759	NW_004515954.1	Scaffold496	82759	GG	AA	1940453937

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191555_94270	NW_004515954.1	Scaffold496	94270	TT	AA	1940453939
SNP_P1_191556_101426	NW_004515954.1	Scaffold496	101426	TT	GG	1940453940
SNP_P1_191557_113600	NW_004515954.1	Scaffold496	113600	AA	GG	1940453941
SNP_P1_191558_116443	NW_004515954.1	Scaffold496	116443	TT	AA	1940453942
SNP_P1_191559_116467	NW_004515954.1	Scaffold496	116467	AA	TT	1940453943
SNP_P1_191560_119961	NW_004515954.1	Scaffold496	119961	CC	TT	1940453944
SNP_P1_191561_120007	NW_004515954.1	Scaffold496	120007	TT	AA	1940453945
SNP_P1_191562_121068	NW_004515954.1	Scaffold496	121068	AA	GG	1940453946
SNP_P1_191563_121089	NW_004515954.1	Scaffold496	121089	AA	TT	1940453947
SNP_P1_191564_121099	NW_004515954.1	Scaffold496	121099	GG	AA	1940453948
SNP_P1_191565_121288	NW_004515954.1	Scaffold496	121288	TT	CC	1940453949
SNP_P1_191567_121465	NW_004515954.1	Scaffold496	121465	CC	TT	1940453950
SNP_P1_191568_121591	NW_004515954.1	Scaffold496	121591	GG	TT	1940453951
SNP_P1_191569_121672	NW_004515954.1	Scaffold496	121672	GG	CC	1940453952
SNP_P1_191570_121680	NW_004515954.1	Scaffold496	121680	CC	AA	1940453953
SNP_P1_191571_121689	NW_004515954.1	Scaffold496	121689	TT	GG	1940453954
SNP_P1_191572_121781	NW_004515954.1	Scaffold496	121781	AA	GG	1940453955
SNP_P1_191573_121815	NW_004515954.1	Scaffold496	121815	GG	AA	1940453956
SNP_P1_191574_122449	NW_004515954.1	Scaffold496	122449	GG	AA	1940453957
SNP_P1_191575_122467	NW_004515954.1	Scaffold496	122467	AA	GG	1940453958
SNP_P1_191576_122482	NW_004515954.1	Scaffold496	122482	GG	TT	1940453959
SNP_P1_191577_122500	NW_004515954.1	Scaffold496	122500	GG	TT	1940453960
SNP_P1_191578_122720	NW_004515954.1	Scaffold496	122720	CC	GG	1940453961
SNP_P1_191579_122812	NW_004515954.1	Scaffold496	122812	TT	AA	1940453962
SNP_P1_191580_122815	NW_004515954.1	Scaffold496	122815	AA	TT	1940453963
SNP_P1_191581_122830	NW_004515954.1	Scaffold496	122830	GG	TT	1940453964
SNP_P1_191582_123005	NW_004515954.1	Scaffold496	123005	AA	CC	1940453965
SNP_P1_191583_123163	NW_004515954.1	Scaffold496	123163	AA	GG	1940453966
SNP_P1_191584_123661	NW_004515954.1	Scaffold496	123661	GG	AA	1940453967
SNP_P1_191585_123821	NW_004515954.1	Scaffold496	123821	CC	TT	1940453968
SNP_P1_191586_123948	NW_004515954.1	Scaffold496	123948	AA	GG	1940453969
SNP_P1_191587_124011	NW_004515954.1	Scaffold496	124011	TT	CC	1940453970
SNP_P1_191588_124197	NW_004515954.1	Scaffold496	124197	TT	CC	1940453971
SNP_P1_191589_124237	NW_004515954.1	Scaffold496	124237	CC	TT	1940453972
SNP_P1_191590_124258	NW_004515954.1	Scaffold496	124258	CC	TT	1940453973
SNP_P1_191591_124280	NW_004515954.1	Scaffold496	124280	TT	AA	1940453974
SNP_P1_191592_124281	NW_004515954.1	Scaffold496	124281	TT	CC	1940453975
SNP_P1_191593_124325	NW_004515954.1	Scaffold496	124325	TT	AA	1940453976
SNP_P1_191594_124333	NW_004515954.1	Scaffold496	124333	AA	TT	1940453977
SNP_P1_191595_124377	NW_004515954.1	Scaffold496	124377	AA	GG	1940453978
SNP_P1_191597_124501	NW_004515954.1	Scaffold496	124501	TT	CC	1940453979

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191600_129099	NW_004515954.1	Scaffold496	129099	GG	AA	1940453982
SNP_P1_191601_129147	NW_004515954.1	Scaffold496	129147	CC	TT	1940453983
SNP_P1_191602_129166	NW_004515954.1	Scaffold496	129166	CC	GG	1940453984
SNP_P1_191603_129183	NW_004515954.1	Scaffold496	129183	AA	TT	1940453985
SNP_P1_191604_129220	NW_004515954.1	Scaffold496	129220	TT	GG	1940453986
SNP_P1_191605_129351	NW_004515954.1	Scaffold496	129351	CC	TT	1940453987
SNP_P1_191606_129363	NW_004515954.1	Scaffold496	129363	TT	CC	1940453988
SNP_P1_191607_129416	NW_004515954.1	Scaffold496	129416	GG	CC	1940453989
SNP_P1_191608_129651	NW_004515954.1	Scaffold496	129651	CC	GG	1940453990
SNP_P1_191609_129678	NW_004515954.1	Scaffold496	129678	AA	GG	1940453991
SNP_P1_191610_144761	NW_004515954.1	Scaffold496	144761	TT	CC	1940453992
SNP_P1_191611_144767	NW_004515954.1	Scaffold496	144767	CC	TT	1940453993
SNP_P1_191612_144830	NW_004515954.1	Scaffold496	144830	TT	CC	1940453994
SNP_P1_191613_145132	NW_004515954.1	Scaffold496	145132	CC	GG	1940453995
SNP_P1_191614_145174	NW_004515954.1	Scaffold496	145174	AA	GG	1940453996
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SNP_P1_191617_149036	NW_004515954.1	Scaffold496	149036	GG	CC	1940453999
SNP_P1_191618_164076	NW_004515954.1	Scaffold496	164076	TT	CC	1940454000
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SNP_P1_191620_164487	NW_004515954.1	Scaffold496	164487	CC	TT	1940454002
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SNP_P1_191625_184593	NW_004515954.1	Scaffold496	184593	AA	TT	1940454007
SNP_P1_191626_184641	NW_004515954.1	Scaffold496	184641	TT	CC	1940454008
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SNP_P1_191633_190837	NW_004515954.1	Scaffold496	190837	CC	AA	1940454016
SNP_P1_191634_190863	NW_004515954.1	Scaffold496	190863	TT	GG	1940454017
SNP_P1_191635_190875	NW_004515954.1	Scaffold496	190875	GG	AA	1940454018
SNP_P1_191636_191215	NW_004515954.1	Scaffold496	191215	AA	TT	1940454019
SNP_P1_191637_191232	NW_004515954.1	Scaffold496	191232	CC	GG	1940454020
SNP_P1_191638_196781	NW_004515954.1	Scaffold496	196781	GG	CC	1940454021
SNP_P1_191639_197293	NW_004515954.1	Scaffold496	197293	AA	GG	1940454022

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191642_197537	NW_004515954.1	Scaffold496	197537	CC	TT	1940454025
SNP_P1_191643_197599	NW_004515954.1	Scaffold496	197599	CC	TT	1940454026
SNP_P1_191644_197960	NW_004515954.1	Scaffold496	197960	CC	GG	1940454027
SNP_P1_191645_205287	NW_004515954.1	Scaffold496	205287	TT	CC	1940454028
SNP_P1_191646_206206	NW_004515954.1	Scaffold496	206206	GG	AA	1940454029
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SNP_P1_191649_216730	NW_004515954.1	Scaffold496	216730	GG	CC	1940454031
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SNP_P1_191651_217087	NW_004515954.1	Scaffold496	217087	GG	AA	1940454033
SNP_P1_191652_217090	NW_004515954.1	Scaffold496	217090	AA	GG	1940454034
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SNP_P1_191654_217445	NW_004515954.1	Scaffold496	217445	CC	AA	1940454036
SNP_P1_191655_217448	NW_004515954.1	Scaffold496	217448	TT	CC	1940454037
SNP_P1_191656_217781	NW_004515954.1	Scaffold496	217781	AA	CC	1940454038
SNP_P1_191657_219482	NW_004515954.1	Scaffold496	219482	CC	TT	1940454039
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SNP_P1_191659_219580	NW_004515954.1	Scaffold496	219580	CC	AA	1940454041
SNP_P1_191660_219596	NW_004515954.1	Scaffold496	219596	AA	GG	1940454042
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SNP_P1_191666_227181	NW_004515954.1	Scaffold496	227181	GG	CC	1940454047
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SNP_P1_191668_227221	NW_004515954.1	Scaffold496	227221	CC	TT	1940454049
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SNP_P1_191671_228049	NW_004515954.1	Scaffold496	228049	GG	AA	1940454052
SNP_P1_191672_228050	NW_004515954.1	Scaffold496	228050	CC	GG	1940454053
SNP_P1_191673_228102	NW_004515954.1	Scaffold496	228102	TT	CC	1940454054
SNP_P1_191674_228391	NW_004515954.1	Scaffold496	228391	CC	AA	1940454055
SNP_P1_191675_228399	NW_004515954.1	Scaffold496	228399	TT	GG	1940454056
SNP_P1_191676_228407	NW_004515954.1	Scaffold496	228407	TT	CC	1940454057
SNP_P1_191677_230416	NW_004515954.1	Scaffold496	230416	CC	TT	1940454058
SNP_P1_191678_233055	NW_004515954.1	Scaffold496	233055	AA	GG	1940454059
SNP_P1_191679_244566	NW_004515954.1	Scaffold496	244566	TT	CC	1940454060
SNP_P1_191680_244573	NW_004515954.1	Scaffold496	244573	TT	AA	1940454061
SNP_P1_191681_245425	NW_004515954.1	Scaffold496	245425	CC	TT	1940454062
SNP_P1_191682_245473	NW_004515954.1	Scaffold496	245473	TT	AA	1940454063
SNP_P1_191683_245960	NW_004515954.1	Scaffold496	245960	GG	CC	1940454064

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_191684_245969	NW_004515954.1	Scaffold496	245969	AA	GG	1940454065
SNP_P1_191685_245979	NW_004515954.1	Scaffold496	245979	TT	CC	1940454066
SNP_P1_191686_261548	NW_004515954.1	Scaffold496	261548	CC	GG	1940454067
SNP_P1_191687_264521	NW_004515954.1	Scaffold496	264521	AA	GG	1940454068
SNP_P1_191688_264933	NW_004515954.1	Scaffold496	264933	GG	AA	1940454069
SNP_P1_191689_280674	NW_004515954.1	Scaffold496	280674	CC	GG	1940454070
SNP_P1_191690_33155	NW_004515955.1	Scaffold497	33155	GG	AA	1940454071
SNP_P1_191691_33516	NW_004515955.1	Scaffold497	33516	TT	AA	1940454072
SNP_P1_191692_33548	NW_004515955.1	Scaffold497	33548	AA	GG	1940454073
SNP_P1_191693_44708	NW_004515955.1	Scaffold497	44708	GG	AA	1940454074
SNP_P1_191694_44947	NW_004515955.1	Scaffold497	44947	AA	GG	1940454075
SNP_P1_191695_44990	NW_004515955.1	Scaffold497	44990	GG	TT	1940454076
SNP_P1_191696_45102	NW_004515955.1	Scaffold497	45102	TT	AA	1940454077
SNP_P1_191697_45107	NW_004515955.1	Scaffold497	45107	AA	TT	1940454078
SNP_P1_191698_45156	NW_004515955.1	Scaffold497	45156	TT	GG	1940454079
SNP_P1_191701_46951	NW_004515955.1	Scaffold497	46951	GG	AA	1940454080
SNP_P1_191702_47012	NW_004515955.1	Scaffold497	47012	TT	GG	1940454081
SNP_P1_191703_47015	NW_004515955.1	Scaffold497	47015	GG	CC	1940454082
SNP_P1_191704_51508	NW_004515955.1	Scaffold497	51508	AA	GG	1940454083
SNP_P1_191705_59972	NW_004515955.1	Scaffold497	59972	AA	TT	1940454084
SNP_P1_191706_60022	NW_004515955.1	Scaffold497	60022	TT	CC	1940454085
SNP_P1_191707_60280	NW_004515955.1	Scaffold497	60280	TT	CC	1940454086
SNP_P1_191708_62917	NW_004515955.1	Scaffold497	62917	CC	GG	1940454087
SNP_P1_191709_63033	NW_004515955.1	Scaffold497	63033	TT	GG	1940454088
SNP_P1_191710_63040	NW_004515955.1	Scaffold497	63040	AA	GG	1940454089
SNP_P1_191711_63054	NW_004515955.1	Scaffold497	63054	TT	CC	1940454090
SNP_P1_191712_63089	NW_004515955.1	Scaffold497	63089	TT	CC	1940454091
SNP_P1_191713_63107	NW_004515955.1	Scaffold497	63107	GG	TT	1940454092
SNP_P1_191714_63114	NW_004515955.1	Scaffold497	63114	AA	GG	1940454093
SNP_P1_191715_63118	NW_004515955.1	Scaffold497	63118	TT	CC	1940454094
SNP_P1_191716_63246	NW_004515955.1	Scaffold497	63246	TT	GG	1940454095
SNP_P1_191717_63346	NW_004515955.1	Scaffold497	63346	AA	GG	1940454096
SNP_P1_191718_63920	NW_004515955.1	Scaffold497	63920	TT	AA	1940454097
SNP_P1_191719_64895	NW_004515955.1	Scaffold497	64895	GG	TT	1940454098
SNP_P1_191720_68003	NW_004515955.1	Scaffold497	68003	AA	TT	1940454099
SNP_P1_191721_68007	NW_004515955.1	Scaffold497	68007	TT	CC	1940454100
SNP_P1_191722_68039	NW_004515955.1	Scaffold497	68039	GG	AA	1940454101
SNP_P1_191723_69243	NW_004515955.1	Scaffold497	69243	CC	AA	1940454102
SNP_P1_191724_69244	NW_004515955.1	Scaffold497	69244	TT	AA	1940454103
SNP_P1_191725_69282	NW_004515955.1	Scaffold497	69282	GG	AA	1940454104
SNP_P1_191727_69332	NW_004515955.1	Scaffold497	69332	TT	AA	1940454105
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191731_69943	NW_004515955.1	Scaffold497	69943	TT	GG	1940454108
SNP_P1_191732_69975	NW_004515955.1	Scaffold497	69975	AA	GG	1940454109
SNP_P1_191733_69976	NW_004515955.1	Scaffold497	69976	AA	TT	1940454110
SNP_P1_191734_69977	NW_004515955.1	Scaffold497	69977	TT	AA	1940454111
SNP_P1_191735_69978	NW_004515955.1	Scaffold497	69978	TT	AA	1940454112
SNP_P1_191736_69980	NW_004515955.1	Scaffold497	69980	CC	TT	1940454113
SNP_P1_191739_70095	NW_004515955.1	Scaffold497	70095	CC	TT	1940454114
SNP_P1_191740_70112	NW_004515955.1	Scaffold497	70112	GG	CC	1940454115
SNP_P1_191741_70117	NW_004515955.1	Scaffold497	70117	TT	AA	1940454116
SNP_P1_191742_71741	NW_004515955.1	Scaffold497	71741	AA	GG	1940454117
SNP_P1_191743_72106	NW_004515955.1	Scaffold497	72106	AA	GG	1940454118
SNP_P1_191744_72107	NW_004515955.1	Scaffold497	72107	GG	CC	1940454120
SNP_P1_191745_72122	NW_004515955.1	Scaffold497	72122	AA	CC	1940454121
SNP_P1_191746_72153	NW_004515955.1	Scaffold497	72153	AA	GG	1940454122
SNP_P1_191747_72202	NW_004515955.1	Scaffold497	72202	CC	AA	1940454123
SNP_P1_191748_72368	NW_004515955.1	Scaffold497	72368	GG	CC	1940454124
SNP_P1_191749_72390	NW_004515955.1	Scaffold497	72390	TT	CC	1940454125
SNP_P1_191750_72420	NW_004515955.1	Scaffold497	72420	GG	TT	1940454126
SNP_P1_191751_72497	NW_004515955.1	Scaffold497	72497	GG	TT	1940454127
SNP_P1_191752_73428	NW_004515955.1	Scaffold497	73428	AA	CC	1940454128
SNP_P1_191753_73500	NW_004515955.1	Scaffold497	73500	GG	AA	1940454129
SNP_P1_191754_73528	NW_004515955.1	Scaffold497	73528	AA	CC	1940454130
SNP_P1_191755_73584	NW_004515955.1	Scaffold497	73584	AA	CC	1940454131
SNP_P1_191756_73632	NW_004515955.1	Scaffold497	73632	AA	GG	1940454132
SNP_P1_191757_73710	NW_004515955.1	Scaffold497	73710	TT	CC	1940454133
SNP_P1_191758_73744	NW_004515955.1	Scaffold497	73744	GG	TT	1940454134
SNP_P1_191759_73804	NW_004515955.1	Scaffold497	73804	AA	GG	1940454135
SNP_P1_191760_73831	NW_004515955.1	Scaffold497	73831	GG	AA	1940454136
SNP_P1_191761_73852	NW_004515955.1	Scaffold497	73852	TT	GG	1940454137
SNP_P1_191762_73909	NW_004515955.1	Scaffold497	73909	AA	TT	1940454138
SNP_P1_191763_73954	NW_004515955.1	Scaffold497	73954	GG	TT	1940454139
SNP_P1_191764_83068	NW_004515955.1	Scaffold497	83068	AA	GG	1940454140
SNP_P1_191765_83102	NW_004515955.1	Scaffold497	83102	TT	CC	1940454141
SNP_P1_191766_84255	NW_004515955.1	Scaffold497	84255	GG	CC	1940454142
SNP_P1_191767_84409	NW_004515955.1	Scaffold497	84409	GG	TT	1940454143
SNP_P1_191768_84438	NW_004515955.1	Scaffold497	84438	AA	CC	1940454144
SNP_P1_191769_84688	NW_004515955.1	Scaffold497	84688	AA	CC	1940454145
SNP_P1_191770_84776	NW_004515955.1	Scaffold497	84776	TT	AA	1940454146
SNP_P1_191771_85095	NW_004515955.1	Scaffold497	85095	TT	AA	1940454147
SNP_P1_191772_85119	NW_004515955.1	Scaffold497	85119	GG	AA	1940454148
SNP_P1_191773_85225	NW_004515955.1	Scaffold497	85225	AA	GG	1940454149

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_191774_85403	NW_004515955.1	Scaffold497	85403	GG	AA	1940454150
SNP_P1_191775_88065	NW_004515955.1	Scaffold497	88065	GG	AA	1940454151
SNP_P1_191776_89045	NW_004515955.1	Scaffold497	89045	GG	AA	1940454152
SNP_P1_191777_91926	NW_004515955.1	Scaffold497	91926	TT	CC	1940454153
SNP_P1_191778_92143	NW_004515955.1	Scaffold497	92143	TT	AA	1940454154
SNP_P1_191779_92325	NW_004515955.1	Scaffold497	92325	AA	GG	1940454155
SNP_P1_191780_92403	NW_004515955.1	Scaffold497	92403	TT	CC	1940454156
SNP_P1_191781_93260	NW_004515955.1	Scaffold497	93260	TT	AA	1940454157
SNP_P1_191782_93317	NW_004515955.1	Scaffold497	93317	AA	GG	1940454158
SNP_P1_191783_93373	NW_004515955.1	Scaffold497	93373	GG	AA	1940454159
SNP_P1_191784_93457	NW_004515955.1	Scaffold497	93457	TT	CC	1940454160
SNP_P1_191785_93489	NW_004515955.1	Scaffold497	93489	TT	CC	1940454161
SNP_P1_191786_93589	NW_004515955.1	Scaffold497	93589	TT	AA	1940454162
SNP_P1_191787_93624	NW_004515955.1	Scaffold497	93624	TT	CC	1940454163
SNP_P1_191789_93836	NW_004515955.1	Scaffold497	93836	TT	AA	1940454164
SNP_P1_191791_94877	NW_004515955.1	Scaffold497	94877	CC	TT	1940454165
SNP_P1_191792_94907	NW_004515955.1	Scaffold497	94907	TT	GG	1940454166
SNP_P1_191793_94983	NW_004515955.1	Scaffold497	94983	AA	TT	1940454167
SNP_P1_191794_95042	NW_004515955.1	Scaffold497	95042	AA	TT	1940454168
SNP_P1_191795_95048	NW_004515955.1	Scaffold497	95048	TT	CC	1940454169
SNP_P1_191796_95099	NW_004515955.1	Scaffold497	95099	TT	GG	1940454170
SNP_P1_191797_95143	NW_004515955.1	Scaffold497	95143	AA	TT	1940454171
SNP_P1_191798_95177	NW_004515955.1	Scaffold497	95177	TT	AA	1940454172
SNP_P1_191799_95178	NW_004515955.1	Scaffold497	95178	AA	GG	1940454173
SNP_P1_191800_100565	NW_004515955.1	Scaffold497	100565	AA	TT	1940454174
SNP_P1_191801_100632	NW_004515955.1	Scaffold497	100632	TT	AA	1940454175
SNP_P1_191802_23762	NW_004515956.1	Scaffold498	23762	GG	TT	1940454176
SNP_P1_191803_34960	NW_004515956.1	Scaffold498	34960	CC	TT	1940454177
SNP_P1_191805_48803	NW_004515956.1	Scaffold498	48803	AA	GG	1940454178
SNP_P1_191806_48911	NW_004515956.1	Scaffold498	48911	GG	AA	1940454179
SNP_P1_191807_48926	NW_004515956.1	Scaffold498	48926	GG	AA	1940454180
SNP_P1_191808_62814	NW_004515956.1	Scaffold498	62814	AA	TT	1940454181
SNP_P1_191810_99637	NW_004515956.1	Scaffold498	99637	TT	CC	1940454182
SNP_P1_191811_101806	NW_004515956.1	Scaffold498	101806	CC	TT	1940454183
SNP_P1_191812_104065	NW_004515956.1	Scaffold498	104065	AA	GG	1940454184
SNP_P1_191813_114228	NW_004515956.1	Scaffold498	114228	GG	TT	1940454185
SNP_P1_191814_114229	NW_004515956.1	Scaffold498	114229	AA	CC	1940454186
SNP_P1_191815_117023	NW_004515956.1	Scaffold498	117023	AA	GG	1940454187
SNP_P1_191816_149330	NW_004515956.1	Scaffold498	149330	CC	AA	1940454188
SNP_P1_191817_152248	NW_004515956.1	Scaffold498	152248	AA	GG	1940454189
SNP_P1_191818_158609	NW_004515956.1	Scaffold498	158609	GG	AA	1940454190
SNP_P1_191819_171425	NW_004515956.1	Scaffold498	171425	GG	TT	1940454191

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_191820_178289	NW_004515956.1	Scaffold498	178289	TT	CC	1940454192
SNP_P1_191822_190470	NW_004515956.1	Scaffold498	190470	TT	CC	1940454193
SNP_P1_191823_190473	NW_004515956.1	Scaffold498	190473	AA	CC	1940454194
SNP_P1_191824_196969	NW_004515956.1	Scaffold498	196969	CC	TT	1940454195
SNP_P1_191825_198625	NW_004515956.1	Scaffold498	198625	TT	AA	1940454196
SNP_P1_191826_198640	NW_004515956.1	Scaffold498	198640	AA	TT	1940454197
SNP_P1_191827_198652	NW_004515956.1	Scaffold498	198652	GG	TT	1940454198
SNP_P1_191828_198700	NW_004515956.1	Scaffold498	198700	TT	AA	1940454199
SNP_P1_191829_198703	NW_004515956.1	Scaffold498	198703	CC	TT	1940454200
SNP_P1_191830_198708	NW_004515956.1	Scaffold498	198708	TT	GG	1940454201
SNP_P1_191831_198809	NW_004515956.1	Scaffold498	198809	AA	GG	1940454202
SNP_P1_191832_198811	NW_004515956.1	Scaffold498	198811	AA	GG	1940454203
SNP_P1_191833_199108	NW_004515956.1	Scaffold498	199108	TT	CC	1940454204
SNP_P1_191834_199174	NW_004515956.1	Scaffold498	199174	TT	CC	1940454205
SNP_P1_191835_199211	NW_004515956.1	Scaffold498	199211	AA	GG	1940454206
SNP_P1_191836_205121	NW_004515956.1	Scaffold498	205121	GG	CC	1940454207
SNP_P1_191837_205425	NW_004515956.1	Scaffold498	205425	CC	TT	1940454208
SNP_P1_191838_205619	NW_004515956.1	Scaffold498	205619	GG	AA	1940454209
SNP_P1_191839_205637	NW_004515956.1	Scaffold498	205637	TT	CC	1940454210
SNP_P1_191840_205803	NW_004515956.1	Scaffold498	205803	AA	GG	1940454211
SNP_P1_191841_205879	NW_004515956.1	Scaffold498	205879	TT	CC	1940454212
SNP_P1_191843_207013	NW_004515956.1	Scaffold498	207013	GG	AA	1940454213
SNP_P1_191844_207230	NW_004515956.1	Scaffold498	207230	TT	CC	1940454214
SNP_P1_191845_211512	NW_004515956.1	Scaffold498	211512	AA	TT	1940454215
SNP_P1_191846_211513	NW_004515956.1	Scaffold498	211513	AA	TT	1940454216
SNP_P1_191847_211515	NW_004515956.1	Scaffold498	211515	TT	AA	1940454217
SNP_P1_191848_211695	NW_004515956.1	Scaffold498	211695	AA	GG	1940454218
SNP_P1_191850_212139	NW_004515956.1	Scaffold498	212139	AA	GG	1940454219
SNP_P1_191851_212162	NW_004515956.1	Scaffold498	212162	AA	GG	1940454220
SNP_P1_191852_212184	NW_004515956.1	Scaffold498	212184	CC	AA	1940454221
SNP_P1_191853_212185	NW_004515956.1	Scaffold498	212185	AA	CC	1940454222
SNP_P1_191854_212195	NW_004515956.1	Scaffold498	212195	CC	AA	1940454223
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SNP_P1_191856_212630	NW_004515956.1	Scaffold498	212630	TT	CC	1940454225
SNP_P1_191857_212655	NW_004515956.1	Scaffold498	212655	AA	CC	1940454226
SNP_P1_191858_213236	NW_004515956.1	Scaffold498	213236	AA	CC	1940454227
SNP_P1_191859_213287	NW_004515956.1	Scaffold498	213287	GG	AA	1940454228
SNP_P1_191860_213294	NW_004515956.1	Scaffold498	213294	CC	TT	1940454229
SNP_P1_191861_213319	NW_004515956.1	Scaffold498	213319	GG	AA	1940454230
SNP_P1_191862_213430	NW_004515956.1	Scaffold498	213430	AA	CC	1940454231
SNP_P1_191863_213706	NW_004515956.1	Scaffold498	213706	GG	TT	1940454232
SNP_P1_191864_213900	NW_004515956.1	Scaffold498	213900	TT	CC	1940454233

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_191870_214452	NW_004515956.1	Scaffold498	214452	CC	TT	1940454236
SNP_P1_191872_214627	NW_004515956.1	Scaffold498	214627	GG	AA	1940454237
SNP_P1_191873_214678	NW_004515956.1	Scaffold498	214678	CC	AA	1940454238
SNP_P1_191874_214742	NW_004515956.1	Scaffold498	214742	TT	CC	1940454239
SNP_P1_191875_214827	NW_004515956.1	Scaffold498	214827	AA	GG	1940454240
SNP_P1_191876_214988	NW_004515956.1	Scaffold498	214988	GG	CC	1940454241
SNP_P1_191877_215037	NW_004515956.1	Scaffold498	215037	AA	GG	1940454242
SNP_P1_191878_215043	NW_004515956.1	Scaffold498	215043	AA	GG	1940454243
SNP_P1_191879_215101	NW_004515956.1	Scaffold498	215101	AA	CC	1940454244
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SNP_P1_191881_215258	NW_004515956.1	Scaffold498	215258	CC	AA	1940454246
SNP_P1_191882_215506	NW_004515956.1	Scaffold498	215506	AA	GG	1940454247
SNP_P1_191883_215521	NW_004515956.1	Scaffold498	215521	AA	GG	1940454248
SNP_P1_191884_215559	NW_004515956.1	Scaffold498	215559	GG	AA	1940454249
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SNP_P1_191886_215864	NW_004515956.1	Scaffold498	215864	CC	TT	1940454251
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SNP_P1_191888_215903	NW_004515956.1	Scaffold498	215903	CC	GG	1940454253
SNP_P1_191889_216067	NW_004515956.1	Scaffold498	216067	CC	AA	1940454254
SNP_P1_191890_216171	NW_004515956.1	Scaffold498	216171	AA	GG	1940454255
SNP_P1_191891_216210	NW_004515956.1	Scaffold498	216210	CC	TT	1940454256
SNP_P1_191892_216254	NW_004515956.1	Scaffold498	216254	TT	CC	1940454257
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SNP_P1_191894_216375	NW_004515956.1	Scaffold498	216375	GG	AA	1940454259
SNP_P1_191895_216460	NW_004515956.1	Scaffold498	216460	CC	TT	1940454260
SNP_P1_191896_216634	NW_004515956.1	Scaffold498	216634	AA	GG	1940454261
SNP_P1_191897_216639	NW_004515956.1	Scaffold498	216639	CC	TT	1940454262
SNP_P1_191898_1002	NW_004515958.1	Scaffold501	1002	CC	AA	1940454263
SNP_P1_191899_1199	NW_004515958.1	Scaffold501	1199	CC	TT	1940454264
SNP_P1_191900_1207	NW_004515958.1	Scaffold501	1207	CC	TT	1940454265
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SNP_P1_191902_10896	NW_004515958.1	Scaffold501	10896	AA	CC	1940454268
SNP_P1_191903_10914	NW_004515958.1	Scaffold501	10914	GG	AA	1940454269
SNP_P1_191904_10953	NW_004515958.1	Scaffold501	10953	CC	TT	1940454270
SNP_P1_191905_11018	NW_004515958.1	Scaffold501	11018	AA	GG	1940454271
SNP_P1_191906_11045	NW_004515958.1	Scaffold501	11045	GG	CC	1940454272
SNP_P1_191907_11050	NW_004515958.1	Scaffold501	11050	AA	CC	1940454273
SNP_P1_191908_11055	NW_004515958.1	Scaffold501	11055	TT	GG	1940454274
SNP_P1_191909_11159	NW_004515958.1	Scaffold501	11159	CC	TT	1940454275
SNP_P1_191910_11395	NW_004515958.1	Scaffold501	11395	GG	AA	1940454276

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_191911_11497	NW_004515958.1	Scaffold501	11497	AA	CC	1940454277
SNP_P1_191913_11584	NW_004515958.1	Scaffold501	11584	AA	GG	1940454278
SNP_P1_191914_11653	NW_004515958.1	Scaffold501	11653	GG	AA	1940454279
SNP_P1_191915_13892	NW_004515958.1	Scaffold501	13892	GG	AA	1940454280
SNP_P1_191916_13922	NW_004515958.1	Scaffold501	13922	GG	AA	1940454281
SNP_P1_191917_14031	NW_004515958.1	Scaffold501	14031	TT	CC	1940454282
SNP_P1_191918_14104	NW_004515958.1	Scaffold501	14104	AA	TT	1940454283
SNP_P1_191919_14131	NW_004515958.1	Scaffold501	14131	TT	CC	1940454284
SNP_P1_191920_14151	NW_004515958.1	Scaffold501	14151	GG	AA	1940454285
SNP_P1_191921_14191	NW_004515958.1	Scaffold501	14191	AA	GG	1940454286
SNP_P1_191922_16918	NW_004515958.1	Scaffold501	16918	AA	GG	1940454287
SNP_P1_191923_20781	NW_004515958.1	Scaffold501	20781	CC	TT	1940454288
SNP_P1_191924_23137	NW_004515958.1	Scaffold501	23137	AA	GG	1940454289
SNP_P1_191925_23169	NW_004515958.1	Scaffold501	23169	AA	TT	1940454290
SNP_P1_191926_23178	NW_004515958.1	Scaffold501	23178	TT	CC	1940454291
SNP_P1_191927_33617	NW_004515958.1	Scaffold501	33617	TT	CC	1940454292
SNP_P1_191928_33914	NW_004515958.1	Scaffold501	33914	AA	CC	1940454293
SNP_P1_191929_60602	NW_004515958.1	Scaffold501	60602	TT	AA	1940454294
SNP_P1_191930_60881	NW_004515958.1	Scaffold501	60881	CC	TT	1940454295
SNP_P1_191932_75637	NW_004515958.1	Scaffold501	75637	GG	AA	1940454296
SNP_P1_191933_75949	NW_004515958.1	Scaffold501	75949	TT	AA	1940454297
SNP_P1_191935_87760	NW_004515958.1	Scaffold501	87760	TT	CC	1940454298
SNP_P1_191936_88718	NW_004515958.1	Scaffold501	88718	TT	AA	1940454299
SNP_P1_191937_89042	NW_004515958.1	Scaffold501	89042	AA	GG	1940454300
SNP_P1_191938_89233	NW_004515958.1	Scaffold501	89233	GG	TT	1940454301
SNP_P1_191939_89244	NW_004515958.1	Scaffold501	89244	TT	AA	1940454302
SNP_P1_191940_89296	NW_004515958.1	Scaffold501	89296	TT	GG	1940454303
SNP_P1_191941_89313	NW_004515958.1	Scaffold501	89313	TT	GG	1940454304
SNP_P1_191942_89405	NW_004515958.1	Scaffold501	89405	TT	CC	1940454305
SNP_P1_191943_89432	NW_004515958.1	Scaffold501	89432	CC	AA	1940454306
SNP_P1_191944_89455	NW_004515958.1	Scaffold501	89455	GG	AA	1940454307
SNP_P1_191945_89604	NW_004515958.1	Scaffold501	89604	CC	AA	1940454308
SNP_P1_191946_89658	NW_004515958.1	Scaffold501	89658	AA	TT	1940454309
SNP_P1_191947_89724	NW_004515958.1	Scaffold501	89724	TT	CC	1940454310
SNP_P1_191948_89818	NW_004515958.1	Scaffold501	89818	CC	AA	1940454311
SNP_P1_191949_90097	NW_004515958.1	Scaffold501	90097	TT	GG	1940454312
SNP_P1_191950_90110	NW_004515958.1	Scaffold501	90110	AA	CC	1940454313
SNP_P1_191951_90135	NW_004515958.1	Scaffold501	90135	AA	GG	1940454314
SNP_P1_191952_90213	NW_004515958.1	Scaffold501	90213	TT	AA	1940454315
SNP_P1_191953_93922	NW_004515958.1	Scaffold501	93922	TT	AA	1940454316
SNP_P1_191954_94083	NW_004515958.1	Scaffold501	94083	CC	TT	1940454317
SNP_P1_191955_94176	NW_004515958.1	Scaffold501	94176	TT	GG	1940454318

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_191956_94220	NW_004515958.1	Scaffold501	94220	TT	AA	1940454319
SNP_P1_191957_94321	NW_004515958.1	Scaffold501	94321	TT	CC	1940454320
SNP_P1_191958_95866	NW_004515958.1	Scaffold501	95866	AA	TT	1940454321
SNP_P1_191959_96732	NW_004515958.1	Scaffold501	96732	AA	GG	1940454322
SNP_P1_191960_96750	NW_004515958.1	Scaffold501	96750	TT	GG	1940454323
SNP_P1_191961_96823	NW_004515958.1	Scaffold501	96823	AA	CC	1940454324
SNP_P1_191962_102068	NW_004515958.1	Scaffold501	102068	CC	AA	1940454325
SNP_P1_191964_102085	NW_004515958.1	Scaffold501	102085	GG	AA	1940454326
SNP_P1_191965_102086	NW_004515958.1	Scaffold501	102086	GG	AA	1940454327
SNP_P1_191966_102097	NW_004515958.1	Scaffold501	102097	CC	AA	1940454328
SNP_P1_191967_103448	NW_004515958.1	Scaffold501	103448	CC	GG	1940454329
SNP_P1_191968_103567	NW_004515958.1	Scaffold501	103567	AA	CC	1940454330
SNP_P1_191969_103826	NW_004515958.1	Scaffold501	103826	GG	AA	1940454331
SNP_P1_191970_103872	NW_004515958.1	Scaffold501	103872	CC	GG	1940454332
SNP_P1_191971_103917	NW_004515958.1	Scaffold501	103917	AA	CC	1940454333
SNP_P1_191972_103918	NW_004515958.1	Scaffold501	103918	CC	TT	1940454334
SNP_P1_191973_103936	NW_004515958.1	Scaffold501	103936	TT	AA	1940454335
SNP_P1_191974_104065	NW_004515958.1	Scaffold501	104065	TT	AA	1940454336
SNP_P1_191975_104067	NW_004515958.1	Scaffold501	104067	GG	AA	1940454337
SNP_P1_191976_104095	NW_004515958.1	Scaffold501	104095	CC	AA	1940454338
SNP_P1_191977_104103	NW_004515958.1	Scaffold501	104103	TT	GG	1940454339
SNP_P1_191978_104243	NW_004515958.1	Scaffold501	104243	CC	GG	1940454340
SNP_P1_191979_104306	NW_004515958.1	Scaffold501	104306	TT	GG	1940454341
SNP_P1_191980_104518	NW_004515958.1	Scaffold501	104518	GG	AA	1940454342
SNP_P1_191981_104553	NW_004515958.1	Scaffold501	104553	GG	TT	1940454343
SNP_P1_191982_104561	NW_004515958.1	Scaffold501	104561	CC	TT	1940454344
SNP_P1_191983_106096	NW_004515958.1	Scaffold501	106096	GG	AA	1940454345
SNP_P1_191984_106665	NW_004515958.1	Scaffold501	106665	TT	AA	1940454346
SNP_P1_191985_106743	NW_004515958.1	Scaffold501	106743	AA	GG	1940454347
SNP_P1_191986_110046	NW_004515958.1	Scaffold501	110046	AA	GG	1940454348
SNP_P1_191987_110370	NW_004515958.1	Scaffold501	110370	CC	TT	1940454349
SNP_P1_191988_110415	NW_004515958.1	Scaffold501	110415	AA	GG	1940454350
SNP_P1_191989_110539	NW_004515958.1	Scaffold501	110539	TT	CC	1940454351
SNP_P1_191990_110564	NW_004515958.1	Scaffold501	110564	AA	TT	1940454352
SNP_P1_191991_111304	NW_004515958.1	Scaffold501	111304	GG	AA	1940454353
SNP_P1_191992_111404	NW_004515958.1	Scaffold501	111404	CC	AA	1940454354
SNP_P1_191993_111643	NW_004515958.1	Scaffold501	111643	GG	CC	1940454355
SNP_P1_191994_111655	NW_004515958.1	Scaffold501	111655	AA	GG	1940454356
SNP_P1_191995_111682	NW_004515958.1	Scaffold501	111682	AA	TT	1940454357
SNP_P1_191996_111686	NW_004515958.1	Scaffold501	111686	TT	CC	1940454358
SNP_P1_191997_111999	NW_004515958.1	Scaffold501	111999	AA	TT	1940454359
SNP_P1_191998_115845	NW_004515958.1	Scaffold501	115845	AA	TT	1940454360

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_191999_115855	NW_004515958.1	Scaffold501	115855	GG	TT	1940454361
SNP_P1_192000_115889	NW_004515958.1	Scaffold501	115889	GG	TT	1940454362
SNP_P1_192001_116189	NW_004515958.1	Scaffold501	116189	CC	TT	1940454363
SNP_P1_192002_116263	NW_004515958.1	Scaffold501	116263	AA	GG	1940454364
SNP_P1_192004_116532	NW_004515958.1	Scaffold501	116532	TT	GG	1940454365
SNP_P1_192005_116610	NW_004515958.1	Scaffold501	116610	CC	AA	1940454366
SNP_P1_192006_117531	NW_004515958.1	Scaffold501	117531	TT	CC	1940454367
SNP_P1_192007_117552	NW_004515958.1	Scaffold501	117552	CC	TT	1940454368
SNP_P1_192008_117565	NW_004515958.1	Scaffold501	117565	AA	TT	1940454369
SNP_P1_192009_117571	NW_004515958.1	Scaffold501	117571	CC	TT	1940454370
SNP_P1_192010_117613	NW_004515958.1	Scaffold501	117613	CC	AA	1940454371
SNP_P1_192011_117655	NW_004515958.1	Scaffold501	117655	CC	AA	1940454372
SNP_P1_192012_117668	NW_004515958.1	Scaffold501	117668	CC	AA	1940454373
SNP_P1_192013_117686	NW_004515958.1	Scaffold501	117686	CC	TT	1940454374
SNP_P1_192014_117702	NW_004515958.1	Scaffold501	117702	CC	TT	1940454375
SNP_P1_192015_117729	NW_004515958.1	Scaffold501	117729	TT	CC	1940454376
SNP_P1_192016_118064	NW_004515958.1	Scaffold501	118064	AA	TT	1940454377
SNP_P1_192017_1181	NW_004515959.1	Scaffold505	1181	CC	AA	1940454378
SNP_P1_192018_1238	NW_004515959.1	Scaffold505	1238	TT	AA	1940454379
SNP_P1_192019_1294	NW_004515959.1	Scaffold505	1294	TT	CC	1940454380
SNP_P1_192020_1360	NW_004515959.1	Scaffold505	1360	CC	AA	1940454381
SNP_P1_192021_2875	NW_004515959.1	Scaffold505	2875	AA	CC	1940454382
SNP_P1_192022_3047	NW_004515959.1	Scaffold505	3047	GG	TT	1940454383
SNP_P1_192023_11379	NW_004515959.1	Scaffold505	11379	GG	TT	1940454384
SNP_P1_192024_14631	NW_004515959.1	Scaffold505	14631	AA	TT	1940454385
SNP_P1_192025_18989	NW_004515959.1	Scaffold505	18989	CC	TT	1940454386
SNP_P1_192026_18996	NW_004515959.1	Scaffold505	18996	TT	GG	1940454387
SNP_P1_192027_19008	NW_004515959.1	Scaffold505	19008	AA	GG	1940454388
SNP_P1_192028_19061	NW_004515959.1	Scaffold505	19061	TT	AA	1940454389
SNP_P1_192029_19349	NW_004515959.1	Scaffold505	19349	AA	GG	1940454390
SNP_P1_192030_19357	NW_004515959.1	Scaffold505	19357	TT	AA	1940454391
SNP_P1_192031_19414	NW_004515959.1	Scaffold505	19414	CC	TT	1940454392
SNP_P1_192032_20981	NW_004515959.1	Scaffold505	20981	GG	TT	1940454393
SNP_P1_192033_21332	NW_004515959.1	Scaffold505	21332	GG	AA	1940454394
SNP_P1_192034_27679	NW_004515959.1	Scaffold505	27679	AA	GG	1940454395
SNP_P1_192035_27992	NW_004515959.1	Scaffold505	27992	AA	GG	1940454396
SNP_P1_192036_28004	NW_004515959.1	Scaffold505	28004	AA	GG	1940454397
SNP_P1_192037_28032	NW_004515959.1	Scaffold505	28032	TT	GG	1940454398
SNP_P1_192038_28033	NW_004515959.1	Scaffold505	28033	TT	CC	1940454399
SNP_P1_192039_29540	NW_004515959.1	Scaffold505	29540	AA	TT	1940454400
SNP_P1_192040_29546	NW_004515959.1	Scaffold505	29546	AA	GG	1940454401
SNP_P1_192041_29548	NW_004515959.1	Scaffold505	29548	TT	CC	1940454402

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_192042_29556	NW_004515959.1	Scaffold505	29556	AA	TT	1940454403
SNP_P1_192043_29634	NW_004515959.1	Scaffold505	29634	AA	TT	1940454404
SNP_P1_192044_29638	NW_004515959.1	Scaffold505	29638	TT	CC	1940454405
SNP_P1_192045_29645	NW_004515959.1	Scaffold505	29645	TT	AA	1940454406
SNP_P1_192046_29810	NW_004515959.1	Scaffold505	29810	AA	GG	1940454407
SNP_P1_192047_40623	NW_004515959.1	Scaffold505	40623	CC	TT	1940454408
SNP_P1_192048_40873	NW_004515959.1	Scaffold505	40873	TT	GG	1940454409
SNP_P1_192049_40885	NW_004515959.1	Scaffold505	40885	TT	AA	1940454410
SNP_P1_192050_40887	NW_004515959.1	Scaffold505	40887	AA	CC	1940454411
SNP_P1_192051_41013	NW_004515959.1	Scaffold505	41013	TT	GG	1940454412
SNP_P1_192052_41016	NW_004515959.1	Scaffold505	41016	TT	CC	1940454413
SNP_P1_192053_41053	NW_004515959.1	Scaffold505	41053	AA	GG	1940454414
SNP_P1_192054_41108	NW_004515959.1	Scaffold505	41108	AA	TT	1940454415
SNP_P1_192055_41150	NW_004515959.1	Scaffold505	41150	CC	TT	1940454416
SNP_P1_192056_41183	NW_004515959.1	Scaffold505	41183	TT	GG	1940454417
SNP_P1_192057_41199	NW_004515959.1	Scaffold505	41199	GG	CC	1940454418
SNP_P1_192058_45195	NW_004515959.1	Scaffold505	45195	AA	TT	1940454419
SNP_P1_192059_45199	NW_004515959.1	Scaffold505	45199	AA	CC	1940454420
SNP_P1_192060_45203	NW_004515959.1	Scaffold505	45203	TT	CC	1940454421
SNP_P1_192061_45204	NW_004515959.1	Scaffold505	45204	GG	TT	1940454422
SNP_P1_192062_52062	NW_004515959.1	Scaffold505	52062	AA	GG	1940454423
SNP_P1_192063_52066	NW_004515959.1	Scaffold505	52066	GG	TT	1940454424
SNP_P1_192065_929	NW_004515960.1	Scaffold506	929	TT	CC	1940454425
SNP_P1_192066_1424	NW_004515960.1	Scaffold506	1424	TT	AA	1940454426
SNP_P1_192067_1856	NW_004515960.1	Scaffold506	1856	AA	GG	1940454428
SNP_P1_192069_1972	NW_004515960.1	Scaffold506	1972	AA	TT	1940454429
SNP_P1_192070_3087	NW_004515960.1	Scaffold506	3087	GG	AA	1940454430
SNP_P1_192071_6452	NW_004515960.1	Scaffold506	6452	CC	TT	1940454431
SNP_P1_192072_6534	NW_004515960.1	Scaffold506	6534	AA	GG	1940454432
SNP_P1_192073_6739	NW_004515960.1	Scaffold506	6739	CC	AA	1940454433
SNP_P1_192074_6815	NW_004515960.1	Scaffold506	6815	AA	TT	1940454434
SNP_P1_192075_8571	NW_004515960.1	Scaffold506	8571	CC	AA	1940454435
SNP_P1_192076_8660	NW_004515960.1	Scaffold506	8660	GG	AA	1940454436
SNP_P1_192077_9020	NW_004515960.1	Scaffold506	9020	AA	TT	1940454437
SNP_P1_192078_9071	NW_004515960.1	Scaffold506	9071	AA	GG	1940454438
SNP_P1_192079_9897	NW_004515960.1	Scaffold506	9897	GG	AA	1940454439
SNP_P1_192080_10520	NW_004515960.1	Scaffold506	10520	GG	AA	1940454440
SNP_P1_192081_17676	NW_004515960.1	Scaffold506	17676	TT	CC	1940454441
SNP_P1_192082_17752	NW_004515960.1	Scaffold506	17752	TT	CC	1940454442
SNP_P1_192083_17945	NW_004515960.1	Scaffold506	17945	TT	AA	1940454443
SNP_P1_192085_18397	NW_004515960.1	Scaffold506	18397	AA	GG	1940454444
SNP_P1_192086_18820	NW_004515960.1	Scaffold506	18820	GG	TT	1940454445

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SNP_P1_192088_19149	NW_004515960.1	Scaffold506	19149	GG	AA	1940454446
SNP_P1_192089_19326	NW_004515960.1	Scaffold506	19326	CC	TT	1940454447
SNP_P1_192090_20191	NW_004515960.1	Scaffold506	20191	TT	CC	1940454448
SNP_P1_192091_20581	NW_004515960.1	Scaffold506	20581	CC	GG	1940454449
SNP_P1_192092_20842	NW_004515960.1	Scaffold506	20842	TT	GG	1940454450
SNP_P1_192093_23845	NW_004515960.1	Scaffold506	23845	GG	AA	1940454451
SNP_P1_192094_23961	NW_004515960.1	Scaffold506	23961	AA	CC	1940454452
SNP_P1_192095_24323	NW_004515960.1	Scaffold506	24323	CC	TT	1940454453
SNP_P1_192096_24641	NW_004515960.1	Scaffold506	24641	TT	AA	1940454454
SNP_P1_192097_25599	NW_004515960.1	Scaffold506	25599	GG	CC	1940454455
SNP_P1_192098_26658	NW_004515960.1	Scaffold506	26658	GG	AA	1940454456
SNP_P1_192099_26682	NW_004515960.1	Scaffold506	26682	TT	CC	1940454457
SNP_P1_192100_26983	NW_004515960.1	Scaffold506	26983	TT	CC	1940454458
SNP_P1_192101_27130	NW_004515960.1	Scaffold506	27130	TT	CC	1940454459
SNP_P1_192102_28144	NW_004515960.1	Scaffold506	28144	GG	AA	1940454460
SNP_P1_192103_28363	NW_004515960.1	Scaffold506	28363	TT	CC	1940454461
SNP_P1_192104_28611	NW_004515960.1	Scaffold506	28611	CC	TT	1940454462
SNP_P1_192105_29546	NW_004515960.1	Scaffold506	29546	CC	TT	1940454463
SNP_P1_192106_29976	NW_004515960.1	Scaffold506	29976	GG	TT	1940454464
SNP_P1_192107_30225	NW_004515960.1	Scaffold506	30225	CC	GG	1940454465
SNP_P1_192108_30332	NW_004515960.1	Scaffold506	30332	AA	GG	1940454466
SNP_P1_192109_31189	NW_004515960.1	Scaffold506	31189	GG	AA	1940454467
SNP_P1_192110_33667	NW_004515960.1	Scaffold506	33667	GG	AA	1940454468
SNP_P1_192112_34451	NW_004515960.1	Scaffold506	34451	AA	CC	1940454469
SNP_P1_192113_35260	NW_004515960.1	Scaffold506	35260	TT	AA	1940454470
SNP_P1_192114_35371	NW_004515960.1	Scaffold506	35371	TT	AA	1940454471
SNP_P1_192115_35372	NW_004515960.1	Scaffold506	35372	AA	CC	1940454472
SNP_P1_192116_36335	NW_004515960.1	Scaffold506	36335	AA	GG	1940454473
SNP_P1_192117_36875	NW_004515960.1	Scaffold506	36875	TT	CC	1940454474
SNP_P1_192118_36886	NW_004515960.1	Scaffold506	36886	TT	AA	1940454475
SNP_P1_192119_37335	NW_004515960.1	Scaffold506	37335	CC	TT	1940454476
SNP_P1_192120_37480	NW_004515960.1	Scaffold506	37480	CC	GG	1940454477
SNP_P1_192122_39024	NW_004515960.1	Scaffold506	39024	TT	AA	1940454478
SNP_P1_192123_39179	NW_004515960.1	Scaffold506	39179	AA	TT	1940454479
SNP_P1_192124_39358	NW_004515960.1	Scaffold506	39358	TT	AA	1940454480
SNP_P1_192126_39702	NW_004515960.1	Scaffold506	39702	CC	AA	1940454481
SNP_P1_192127_39764	NW_004515960.1	Scaffold506	39764	CC	GG	1940454482
SNP_P1_192128_39821	NW_004515960.1	Scaffold506	39821	CC	AA	1940454483
SNP_P1_192129_2296	NW_004515961.1	Scaffold507	2296	AA	CC	1940454484
SNP_P1_192130_2302	NW_004515961.1	Scaffold507	2302	TT	CC	1940454485
SNP_P1_192131_2338	NW_004515961.1	Scaffold507	2338	CC	AA	1940454486
SNP_P1_192132_12228	NW_004515961.1	Scaffold507	12228	CC	GG	1940454487

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_192133_12273	NW_004515961.1	Scaffold507	12273	GG	CC	1940454488
SNP_P1_192134_12548	NW_004515961.1	Scaffold507	12548	TT	AA	1940454489
SNP_P1_192135_12569	NW_004515961.1	Scaffold507	12569	CC	TT	1940454490
SNP_P1_192136_12579	NW_004515961.1	Scaffold507	12579	TT	GG	1940454491
SNP_P1_192138_18736	NW_004515961.1	Scaffold507	18736	TT	CC	1940454492
SNP_P1_192139_13181	NW_004515962.1	Scaffold509	13181	CC	TT	1940454493
SNP_P1_192140_13680	NW_004515962.1	Scaffold509	13680	CC	TT	1940454494
SNP_P1_192141_13780	NW_004515962.1	Scaffold509	13780	TT	AA	1940454495
SNP_P1_192142_15225	NW_004515962.1	Scaffold509	15225	GG	AA	1940454496
SNP_P1_192143_16434	NW_004515962.1	Scaffold509	16434	AA	GG	1940454497
SNP_P1_192144_16466	NW_004515962.1	Scaffold509	16466	AA	CC	1940454498
SNP_P1_192145_19792	NW_004515962.1	Scaffold509	19792	TT	GG	1940454499
SNP_P1_192146_19955	NW_004515962.1	Scaffold509	19955	TT	GG	1940454500
SNP_P1_192147_19957	NW_004515962.1	Scaffold509	19957	TT	GG	1940454501
SNP_P1_192148_20029	NW_004515962.1	Scaffold509	20029	TT	CC	1940454502
SNP_P1_192149_20032	NW_004515962.1	Scaffold509	20032	TT	CC	1940454503
SNP_P1_192150_20070	NW_004515962.1	Scaffold509	20070	GG	AA	1940454504
SNP_P1_192151_20112	NW_004515962.1	Scaffold509	20112	GG	AA	1940454505
SNP_P1_192152_20241	NW_004515962.1	Scaffold509	20241	CC	GG	1940454506
SNP_P1_192153_20253	NW_004515962.1	Scaffold509	20253	TT	CC	1940454507
SNP_P1_192154_20298	NW_004515962.1	Scaffold509	20298	AA	TT	1940454508
SNP_P1_192155_27105	NW_004515962.1	Scaffold509	27105	GG	AA	1940454509
SNP_P1_192156_30051	NW_004515962.1	Scaffold509	30051	AA	GG	1940454510
SNP_P1_192157_54983	NW_004515962.1	Scaffold509	54983	AA	GG	1940454511
SNP_P1_192158_55209	NW_004515962.1	Scaffold509	55209	AA	TT	1940454512
SNP_P1_192159_55604	NW_004515962.1	Scaffold509	55604	AA	TT	1940454513
SNP_P1_192160_61093	NW_004515962.1	Scaffold509	61093	CC	TT	1940454514
SNP_P1_192161_72169	NW_004515962.1	Scaffold509	72169	CC	AA	1940454515
SNP_P1_192162_72398	NW_004515962.1	Scaffold509	72398	GG	TT	1940454516
SNP_P1_192163_72403	NW_004515962.1	Scaffold509	72403	AA	GG	1940454517
SNP_P1_192164_73400	NW_004515962.1	Scaffold509	73400	TT	CC	1940454518
SNP_P1_192165_75725	NW_004515962.1	Scaffold509	75725	AA	GG	1940454519
SNP_P1_192166_77014	NW_004515962.1	Scaffold509	77014	CC	TT	1940454520
SNP_P1_192167_78050	NW_004515962.1	Scaffold509	78050	AA	TT	1940454521
SNP_P1_192168_78156	NW_004515962.1	Scaffold509	78156	CC	TT	1940454522
SNP_P1_192169_78411	NW_004515962.1	Scaffold509	78411	GG	AA	1940454523
SNP_P1_192170_78433	NW_004515962.1	Scaffold509	78433	TT	CC	1940454524
SNP_P1_192171_78649	NW_004515962.1	Scaffold509	78649	GG	CC	1940454525
SNP_P1_192172_78741	NW_004515962.1	Scaffold509	78741	GG	TT	1940454526
SNP_P1_192173_85111	NW_004515962.1	Scaffold509	85111	CC	AA	1940454527
SNP_P1_192175_95306	NW_004515962.1	Scaffold509	95306	TT	CC	1940454528
SNP_P1_192176_122404	NW_004515962.1	Scaffold509	122404	TT	CC	1940454529

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_192177_122410	NW_004515962.1	Scaffold509	122410	CC	TT	1940454530
SNP_P1_192178_122690	NW_004515962.1	Scaffold509	122690	TT	CC	1940454531
SNP_P1_192179_125842	NW_004515962.1	Scaffold509	125842	AA	GG	1940454532
SNP_P1_192180_128885	NW_004515962.1	Scaffold509	128885	CC	TT	1940454533
SNP_P1_192181_129098	NW_004515962.1	Scaffold509	129098	TT	GG	1940454534
SNP_P1_192182_129123	NW_004515962.1	Scaffold509	129123	TT	AA	1940454535
SNP_P1_192183_129164	NW_004515962.1	Scaffold509	129164	TT	AA	1940454536
SNP_P1_192184_132509	NW_004515962.1	Scaffold509	132509	GG	CC	1940454537
SNP_P1_192185_132514	NW_004515962.1	Scaffold509	132514	AA	GG	1940454538
SNP_P1_192186_132518	NW_004515962.1	Scaffold509	132518	CC	GG	1940454539
SNP_P1_192187_132520	NW_004515962.1	Scaffold509	132520	GG	AA	1940454540
SNP_P1_192188_132530	NW_004515962.1	Scaffold509	132530	GG	CC	1940454541
SNP_P1_192189_132533	NW_004515962.1	Scaffold509	132533	TT	CC	1940454542
SNP_P1_192190_132541	NW_004515962.1	Scaffold509	132541	TT	AA	1940454543
SNP_P1_192191_141853	NW_004515962.1	Scaffold509	141853	GG	AA	1940454544
SNP_P1_192192_142752	NW_004515962.1	Scaffold509	142752	GG	AA	1940454545
SNP_P1_192193_147512	NW_004515962.1	Scaffold509	147512	GG	AA	1940454546
SNP_P1_192194_154226	NW_004515962.1	Scaffold509	154226	CC	TT	1940454547
SNP_P1_192195_154410	NW_004515962.1	Scaffold509	154410	CC	TT	1940454548
SNP_P1_192196_154443	NW_004515962.1	Scaffold509	154443	TT	AA	1940454549
SNP_P1_192197_154847	NW_004515962.1	Scaffold509	154847	GG	CC	1940454550
SNP_P1_192198_157646	NW_004515962.1	Scaffold509	157646	AA	GG	1940454551
SNP_P1_192199_157967	NW_004515962.1	Scaffold509	157967	AA	GG	1940454552
SNP_P1_192200_158083	NW_004515962.1	Scaffold509	158083	TT	AA	1940454553
SNP_P1_192201_158088	NW_004515962.1	Scaffold509	158088	GG	TT	1940454554
SNP_P1_192203_162780	NW_004515962.1	Scaffold509	162780	GG	TT	1940454555
SNP_P1_192204_165551	NW_004515962.1	Scaffold509	165551	GG	AA	1940454556
SNP_P1_192205_165785	NW_004515962.1	Scaffold509	165785	CC	TT	1940454557
SNP_P1_192206_170444	NW_004515962.1	Scaffold509	170444	GG	AA	1940454558
SNP_P1_192207_172651	NW_004515962.1	Scaffold509	172651	CC	TT	1940454559
SNP_P1_192208_172921	NW_004515962.1	Scaffold509	172921	AA	GG	1940454560
SNP_P1_192209_173700	NW_004515962.1	Scaffold509	173700	AA	GG	1940454561
SNP_P1_192210_173708	NW_004515962.1	Scaffold509	173708	CC	TT	1940454562
SNP_P1_192211_173757	NW_004515962.1	Scaffold509	173757	GG	AA	1940454563
SNP_P1_192212_175515	NW_004515962.1	Scaffold509	175515	TT	CC	1940454564
SNP_P1_192213_175525	NW_004515962.1	Scaffold509	175525	AA	GG	1940454565
SNP_P1_192214_175575	NW_004515962.1	Scaffold509	175575	CC	TT	1940454566
SNP_P1_192215_176936	NW_004515962.1	Scaffold509	176936	AA	GG	1940454567
SNP_P1_192216_179643	NW_004515962.1	Scaffold509	179643	AA	TT	1940454568
SNP_P1_192217_179689	NW_004515962.1	Scaffold509	179689	CC	TT	1940454569
SNP_P1_192218_179734	NW_004515962.1	Scaffold509	179734	TT	CC	1940454570
SNP_P1_192219_179886	NW_004515962.1	Scaffold509	179886	CC	AA	1940454571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192221_179945	NW_004515962.1	Scaffold509	179945	TT	CC	1940454573
SNP_P1_192222_180007	NW_004515962.1	Scaffold509	180007	AA	CC	1940454574
SNP_P1_192223_180085	NW_004515962.1	Scaffold509	180085	CC	GG	1940454575
SNP_P1_192224_180332	NW_004515962.1	Scaffold509	180332	GG	TT	1940454576
SNP_P1_192225_180347	NW_004515962.1	Scaffold509	180347	GG	AA	1940454577
SNP_P1_192226_180432	NW_004515962.1	Scaffold509	180432	GG	CC	1940454578
SNP_P1_192227_180604	NW_004515962.1	Scaffold509	180604	AA	TT	1940454579
SNP_P1_192228_180711	NW_004515962.1	Scaffold509	180711	TT	CC	1940454580
SNP_P1_192229_181136	NW_004515962.1	Scaffold509	181136	AA	CC	1940454581
SNP_P1_192230_181150	NW_004515962.1	Scaffold509	181150	AA	GG	1940454582
SNP_P1_192231_181386	NW_004515962.1	Scaffold509	181386	CC	TT	1940454583
SNP_P1_192232_188509	NW_004515962.1	Scaffold509	188509	TT	GG	1940454584
SNP_P1_192233_188731	NW_004515962.1	Scaffold509	188731	GG	AA	1940454585
SNP_P1_192234_188813	NW_004515962.1	Scaffold509	188813	AA	CC	1940454586
SNP_P1_192235_189040	NW_004515962.1	Scaffold509	189040	AA	GG	1940454587
SNP_P1_192236_189388	NW_004515962.1	Scaffold509	189388	AA	CC	1940454588
SNP_P1_192237_196589	NW_004515962.1	Scaffold509	196589	TT	CC	1940454589
SNP_P1_192238_196592	NW_004515962.1	Scaffold509	196592	AA	TT	1940454591
SNP_P1_192239_196595	NW_004515962.1	Scaffold509	196595	CC	AA	1940454592
SNP_P1_192240_216357	NW_004515962.1	Scaffold509	216357	TT	CC	1940454593
SNP_P1_192241_216983	NW_004515962.1	Scaffold509	216983	AA	GG	1940454594
SNP_P1_192242_217931	NW_004515962.1	Scaffold509	217931	CC	TT	1940454595
SNP_P1_192243_218924	NW_004515962.1	Scaffold509	218924	CC	TT	1940454596
SNP_P1_192244_218925	NW_004515962.1	Scaffold509	218925	GG	TT	1940454597
SNP_P1_192245_218929	NW_004515962.1	Scaffold509	218929	TT	GG	1940454598
SNP_P1_192246_218931	NW_004515962.1	Scaffold509	218931	CC	AA	1940454599
SNP_P1_192247_225063	NW_004515962.1	Scaffold509	225063	CC	TT	1940454600
SNP_P1_192248_225203	NW_004515962.1	Scaffold509	225203	AA	TT	1940454601
SNP_P1_192249_225204	NW_004515962.1	Scaffold509	225204	AA	GG	1940454602
SNP_P1_192250_225206	NW_004515962.1	Scaffold509	225206	CC	GG	1940454603
SNP_P1_192251_225215	NW_004515962.1	Scaffold509	225215	CC	TT	1940454604
SNP_P1_192252_225219	NW_004515962.1	Scaffold509	225219	TT	CC	1940454605
SNP_P1_192253_225225	NW_004515962.1	Scaffold509	225225	AA	GG	1940454606
SNP_P1_192254_228423	NW_004515962.1	Scaffold509	228423	TT	CC	1940454607
SNP_P1_192255_228425	NW_004515962.1	Scaffold509	228425	AA	GG	1940454608
SNP_P1_192256_228520	NW_004515962.1	Scaffold509	228520	TT	AA	1940454609
SNP_P1_192257_228797	NW_004515962.1	Scaffold509	228797	AA	GG	1940454610
SNP_P1_192258_228883	NW_004515962.1	Scaffold509	228883	TT	CC	1940454611
SNP_P1_192259_228913	NW_004515962.1	Scaffold509	228913	GG	CC	1940454612
SNP_P1_192260_230374	NW_004515962.1	Scaffold509	230374	AA	GG	1940454613
SNP_P1_192262_238733	NW_004515962.1	Scaffold509	238733	TT	AA	1940454614

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192264_244575	NW_004515962.1	Scaffold509	244575	AA	GG	1940454616
SNP_P1_192265_244577	NW_004515962.1	Scaffold509	244577	GG	AA	1940454617
SNP_P1_192266_244657	NW_004515962.1	Scaffold509	244657	GG	TT	1940454618
SNP_P1_192267_250111	NW_004515962.1	Scaffold509	250111	CC	TT	1940454619
SNP_P1_192268_266374	NW_004515962.1	Scaffold509	266374	AA	GG	1940454620
SNP_P1_192269_266392	NW_004515962.1	Scaffold509	266392	TT	CC	1940454621
SNP_P1_192270_266429	NW_004515962.1	Scaffold509	266429	TT	AA	1940454622
SNP_P1_192271_266717	NW_004515962.1	Scaffold509	266717	TT	CC	1940454623
SNP_P1_192272_266778	NW_004515962.1	Scaffold509	266778	GG	TT	1940454624
SNP_P1_192274_271221	NW_004515962.1	Scaffold509	271221	GG	AA	1940454625
SNP_P1_192275_271223	NW_004515962.1	Scaffold509	271223	CC	AA	1940454626
SNP_P1_192276_271228	NW_004515962.1	Scaffold509	271228	GG	AA	1940454627
SNP_P1_192277_273475	NW_004515962.1	Scaffold509	273475	AA	GG	1940454628
SNP_P1_192278_273859	NW_004515962.1	Scaffold509	273859	TT	CC	1940454629
SNP_P1_192279_281885	NW_004515962.1	Scaffold509	281885	GG	TT	1940454630
SNP_P1_192280_283648	NW_004515962.1	Scaffold509	283648	CC	GG	1940454631
SNP_P1_192281_290251	NW_004515962.1	Scaffold509	290251	TT	CC	1940454632
SNP_P1_192282_293516	NW_004515962.1	Scaffold509	293516	CC	TT	1940454633
SNP_P1_192283_299096	NW_004515962.1	Scaffold509	299096	GG	AA	1940454634
SNP_P1_192284_299143	NW_004515962.1	Scaffold509	299143	TT	AA	1940454635
SNP_P1_192285_301856	NW_004515962.1	Scaffold509	301856	AA	TT	1940454636
SNP_P1_192286_303634	NW_004515962.1	Scaffold509	303634	AA	GG	1940454637
SNP_P1_192287_322214	NW_004515962.1	Scaffold509	322214	GG	TT	1940454638
SNP_P1_192289_325224	NW_004515962.1	Scaffold509	325224	GG	TT	1940454639
SNP_P1_192290_325594	NW_004515962.1	Scaffold509	325594	CC	TT	1940454640
SNP_P1_192291_318	NW_004515963.1	Scaffold510	318	GG	AA	1940454641
SNP_P1_192292_2526	NW_004515963.1	Scaffold510	2526	TT	CC	1940454642
SNP_P1_192293_9242	NW_004515963.1	Scaffold510	9242	AA	GG	1940454643
SNP_P1_192294_9255	NW_004515963.1	Scaffold510	9255	CC	TT	1940454644
SNP_P1_192295_12662	NW_004515963.1	Scaffold510	12662	AA	GG	1940454645
SNP_P1_192297_14361	NW_004515963.1	Scaffold510	14361	AA	GG	1940454646
SNP_P1_192298_14403	NW_004515963.1	Scaffold510	14403	GG	TT	1940454647
SNP_P1_192299_22722	NW_004515963.1	Scaffold510	22722	TT	CC	1940454648
SNP_P1_192300_24282	NW_004515963.1	Scaffold510	24282	GG	TT	1940454649
SNP_P1_192301_24688	NW_004515963.1	Scaffold510	24688	GG	AA	1940454650
SNP_P1_192302_24706	NW_004515963.1	Scaffold510	24706	AA	GG	1940454651
SNP_P1_192303_25091	NW_004515963.1	Scaffold510	25091	TT	CC	1940454652
SNP_P1_192304_25149	NW_004515963.1	Scaffold510	25149	CC	TT	1940454653
SNP_P1_192305_25469	NW_004515963.1	Scaffold510	25469	GG	AA	1940454654
SNP_P1_192306_25512	NW_004515963.1	Scaffold510	25512	GG	AA	1940454655
SNP_P1_192307_25590	NW_004515963.1	Scaffold510	25590	GG	AA	1940454656

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192309_40049	NW_004515963.1	Scaffold510	40049	GG	CC	1940454658
SNP_P1_192310_40125	NW_004515963.1	Scaffold510	40125	AA	CC	1940454659
SNP_P1_192311_40128	NW_004515963.1	Scaffold510	40128	TT	AA	1940454660
SNP_P1_192312_40149	NW_004515963.1	Scaffold510	40149	AA	GG	1940454661
SNP_P1_192313_40371	NW_004515963.1	Scaffold510	40371	AA	GG	1940454662
SNP_P1_192314_40379	NW_004515963.1	Scaffold510	40379	GG	TT	1940454663
SNP_P1_192315_40946	NW_004515963.1	Scaffold510	40946	AA	TT	1940454664
SNP_P1_192316_41077	NW_004515963.1	Scaffold510	41077	CC	TT	1940454665
SNP_P1_192317_46994	NW_004515963.1	Scaffold510	46994	GG	TT	1940454666
SNP_P1_192318_48141	NW_004515963.1	Scaffold510	48141	AA	TT	1940454667
SNP_P1_192319_48168	NW_004515963.1	Scaffold510	48168	GG	TT	1940454668
SNP_P1_192320_48216	NW_004515963.1	Scaffold510	48216	AA	GG	1940454669
SNP_P1_192321_48606	NW_004515963.1	Scaffold510	48606	AA	CC	1940454670
SNP_P1_192322_49465	NW_004515963.1	Scaffold510	49465	GG	CC	1940454671
SNP_P1_192323_49474	NW_004515963.1	Scaffold510	49474	AA	GG	1940454672
SNP_P1_192324_49641	NW_004515963.1	Scaffold510	49641	TT	CC	1940454673
SNP_P1_192325_49647	NW_004515963.1	Scaffold510	49647	TT	CC	1940454674
SNP_P1_192326_54982	NW_004515963.1	Scaffold510	54982	TT	CC	1940454675
SNP_P1_192327_54996	NW_004515963.1	Scaffold510	54996	CC	TT	1940454676
SNP_P1_192328_58998	NW_004515963.1	Scaffold510	58998	TT	GG	1940454677
SNP_P1_192329_59112	NW_004515963.1	Scaffold510	59112	AA	GG	1940454678
SNP_P1_192330_59163	NW_004515963.1	Scaffold510	59163	TT	CC	1940454679
SNP_P1_192331_59192	NW_004515963.1	Scaffold510	59192	CC	TT	1940454680
SNP_P1_192332_66749	NW_004515963.1	Scaffold510	66749	CC	AA	1940454681
SNP_P1_192333_66783	NW_004515963.1	Scaffold510	66783	CC	TT	1940454682
SNP_P1_192334_66808	NW_004515963.1	Scaffold510	66808	GG	CC	1940454683
SNP_P1_192335_71135	NW_004515963.1	Scaffold510	71135	TT	AA	1940454684
SNP_P1_192336_71147	NW_004515963.1	Scaffold510	71147	AA	TT	1940454685
SNP_P1_192337_72536	NW_004515963.1	Scaffold510	72536	AA	TT	1940454686
SNP_P1_192338_79150	NW_004515963.1	Scaffold510	79150	TT	AA	1940454687
SNP_P1_192339_79322	NW_004515963.1	Scaffold510	79322	AA	GG	1940454688
SNP_P1_192340_79394	NW_004515963.1	Scaffold510	79394	TT	CC	1940454689
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SNP_P1_192343_80383	NW_004515963.1	Scaffold510	80383	TT	GG	1940454692
SNP_P1_192344_80385	NW_004515963.1	Scaffold510	80385	TT	GG	1940454693
SNP_P1_192345_80389	NW_004515963.1	Scaffold510	80389	TT	GG	1940454694
SNP_P1_192346_80394	NW_004515963.1	Scaffold510	80394	GG	TT	1940454695
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SNP_P1_192348_80436	NW_004515963.1	Scaffold510	80436	GG	TT	1940454697
SNP_P1_192349_80469	NW_004515963.1	Scaffold510	80469	AA	GG	1940454698

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_192350_80480	NW_004515963.1	Scaffold510	80480	TT	GG	1940454699
SNP_P1_192351_80643	NW_004515963.1	Scaffold510	80643	GG	AA	1940454700
SNP_P1_192352_80662	NW_004515963.1	Scaffold510	80662	CC	TT	1940454701
SNP_P1_192353_81055	NW_004515963.1	Scaffold510	81055	TT	GG	1940454702
SNP_P1_192354_81057	NW_004515963.1	Scaffold510	81057	TT	CC	1940454703
SNP_P1_192355_81079	NW_004515963.1	Scaffold510	81079	AA	GG	1940454704
SNP_P1_192356_81882	NW_004515963.1	Scaffold510	81882	GG	TT	1940454705
SNP_P1_192357_81901	NW_004515963.1	Scaffold510	81901	TT	CC	1940454706
SNP_P1_192358_81930	NW_004515963.1	Scaffold510	81930	AA	TT	1940454707
SNP_P1_192359_82134	NW_004515963.1	Scaffold510	82134	AA	TT	1940454708
SNP_P1_192360_82263	NW_004515963.1	Scaffold510	82263	CC	GG	1940454709
SNP_P1_192361_85313	NW_004515963.1	Scaffold510	85313	CC	GG	1940454710
SNP_P1_192362_85358	NW_004515963.1	Scaffold510	85358	GG	CC	1940454711
SNP_P1_192363_85495	NW_004515963.1	Scaffold510	85495	GG	AA	1940454712
SNP_P1_192364_85592	NW_004515963.1	Scaffold510	85592	AA	CC	1940454713
SNP_P1_192366_85654	NW_004515963.1	Scaffold510	85654	TT	GG	1940454714
SNP_P1_192367_85666	NW_004515963.1	Scaffold510	85666	CC	GG	1940454715
SNP_P1_192368_85711	NW_004515963.1	Scaffold510	85711	AA	GG	1940454716
SNP_P1_192369_85718	NW_004515963.1	Scaffold510	85718	AA	TT	1940454717
SNP_P1_192370_85729	NW_004515963.1	Scaffold510	85729	AA	TT	1940454718
SNP_P1_192371_85745	NW_004515963.1	Scaffold510	85745	TT	CC	1940454719
SNP_P1_192372_85760	NW_004515963.1	Scaffold510	85760	AA	GG	1940454720
SNP_P1_192373_85772	NW_004515963.1	Scaffold510	85772	CC	GG	1940454721
SNP_P1_192374_85789	NW_004515963.1	Scaffold510	85789	AA	CC	1940454722
SNP_P1_192375_85831	NW_004515963.1	Scaffold510	85831	CC	TT	1940454723
SNP_P1_192376_85852	NW_004515963.1	Scaffold510	85852	TT	CC	1940454724
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SNP_P1_192379_85937	NW_004515963.1	Scaffold510	85937	AA	GG	1940454727
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SNP_P1_192383_85987	NW_004515963.1	Scaffold510	85987	CC	GG	1940454731
SNP_P1_192384_86002	NW_004515963.1	Scaffold510	86002	TT	GG	1940454732
SNP_P1_192385_86027	NW_004515963.1	Scaffold510	86027	CC	AA	1940454733
SNP_P1_192386_86035	NW_004515963.1	Scaffold510	86035	CC	GG	1940454734
SNP_P1_192387_86036	NW_004515963.1	Scaffold510	86036	TT	AA	1940454735
SNP_P1_192388_86058	NW_004515963.1	Scaffold510	86058	CC	TT	1940454736
SNP_P1_192389_86059	NW_004515963.1	Scaffold510	86059	AA	GG	1940454737
SNP_P1_192390_86062	NW_004515963.1	Scaffold510	86062	TT	CC	1940454738
SNP_P1_192391_86107	NW_004515963.1	Scaffold510	86107	TT	GG	1940454739
SNP_P1_192392_86113	NW_004515963.1	Scaffold510	86113	AA	TT	1940454740

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192395_86146	NW_004515963.1	Scaffold510	86146	AA	CC	1940454742
SNP_P1_192396_86148	NW_004515963.1	Scaffold510	86148	AA	TT	1940454743
SNP_P1_192397_86203	NW_004515963.1	Scaffold510	86203	CC	AA	1940454744
SNP_P1_192398_86237	NW_004515963.1	Scaffold510	86237	GG	TT	1940454745
SNP_P1_192399_86327	NW_004515963.1	Scaffold510	86327	TT	AA	1940454746
SNP_P1_192400_86335	NW_004515963.1	Scaffold510	86335	AA	TT	1940454748
SNP_P1_192401_86504	NW_004515963.1	Scaffold510	86504	GG	AA	1940454749
SNP_P1_192402_86564	NW_004515963.1	Scaffold510	86564	CC	TT	1940454750
SNP_P1_192403_86858	NW_004515963.1	Scaffold510	86858	TT	CC	1940454751
SNP_P1_192404_90793	NW_004515963.1	Scaffold510	90793	TT	GG	1940454752
SNP_P1_192405_92176	NW_004515963.1	Scaffold510	92176	TT	AA	1940454753
SNP_P1_192406_94251	NW_004515963.1	Scaffold510	94251	TT	CC	1940454754
SNP_P1_192407_1583	NW_004515964.1	Scaffold511	1583	AA	GG	1940454755
SNP_P1_192408_1660	NW_004515964.1	Scaffold511	1660	GG	AA	1940454756
SNP_P1_192409_1952	NW_004515964.1	Scaffold511	1952	AA	GG	1940454757
SNP_P1_192410_1956	NW_004515964.1	Scaffold511	1956	CC	GG	1940454758
SNP_P1_192411_1995	NW_004515964.1	Scaffold511	1995	AA	TT	1940454759
SNP_P1_192412_2013	NW_004515964.1	Scaffold511	2013	GG	AA	1940454760
SNP_P1_192413_2036	NW_004515964.1	Scaffold511	2036	GG	AA	1940454761
SNP_P1_192414_2207	NW_004515964.1	Scaffold511	2207	CC	AA	1940454762
SNP_P1_192415_3298	NW_004515964.1	Scaffold511	3298	CC	AA	1940454763
SNP_P1_192416_3305	NW_004515964.1	Scaffold511	3305	TT	CC	1940454764
SNP_P1_192417_3314	NW_004515964.1	Scaffold511	3314	AA	GG	1940454765
SNP_P1_192418_3336	NW_004515964.1	Scaffold511	3336	AA	CC	1940454766
SNP_P1_192419_3358	NW_004515964.1	Scaffold511	3358	TT	CC	1940454767
SNP_P1_192420_3393	NW_004515964.1	Scaffold511	3393	AA	TT	1940454768
SNP_P1_192421_3780	NW_004515964.1	Scaffold511	3780	AA	CC	1940454769
SNP_P1_192422_5121	NW_004515964.1	Scaffold511	5121	CC	TT	1940454770
SNP_P1_192423_14417	NW_004515964.1	Scaffold511	14417	GG	AA	1940454771
SNP_P1_192424_14433	NW_004515964.1	Scaffold511	14433	AA	GG	1940454772
SNP_P1_192425_29197	NW_004515964.1	Scaffold511	29197	AA	GG	1940454773
SNP_P1_192426_40386	NW_004515964.1	Scaffold511	40386	GG	AA	1940454774
SNP_P1_192429_40922	NW_004515964.1	Scaffold511	40922	GG	AA	1940454775
SNP_P1_192430_40991	NW_004515964.1	Scaffold511	40991	AA	GG	1940454776
SNP_P1_192431_41016	NW_004515964.1	Scaffold511	41016	AA	GG	1940454777
SNP_P1_192432_42361	NW_004515964.1	Scaffold511	42361	AA	CC	1940454778
SNP_P1_192433_42433	NW_004515964.1	Scaffold511	42433	TT	CC	1940454779
SNP_P1_192434_42738	NW_004515964.1	Scaffold511	42738	GG	CC	1940454780
SNP_P1_192436_42972	NW_004515964.1	Scaffold511	42972	GG	TT	1940454781
SNP_P1_192437_43002	NW_004515964.1	Scaffold511	43002	CC	TT	1940454782
SNP_P1_192438_43062	NW_004515964.1	Scaffold511	43062	AA	CC	1940454783

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192440_54403	NW_004515964.1	Scaffold511	54403	TT	GG	1940454785
SNP_P1_192441_54409	NW_004515964.1	Scaffold511	54409	GG	TT	1940454786
SNP_P1_192443_70317	NW_004515964.1	Scaffold511	70317	CC	TT	1940454787
SNP_P1_192444_73221	NW_004515964.1	Scaffold511	73221	TT	AA	1940454788
SNP_P1_192445_80362	NW_004515964.1	Scaffold511	80362	CC	AA	1940454789
SNP_P1_192446_97085	NW_004515964.1	Scaffold511	97085	AA	GG	1940454790
SNP_P1_192447_97205	NW_004515964.1	Scaffold511	97205	CC	TT	1940454791
SNP_P1_192448_97206	NW_004515964.1	Scaffold511	97206	AA	GG	1940454792
SNP_P1_192449_97444	NW_004515964.1	Scaffold511	97444	GG	CC	1940454793
SNP_P1_192450_97464	NW_004515964.1	Scaffold511	97464	TT	CC	1940454794
SNP_P1_192451_97466	NW_004515964.1	Scaffold511	97466	CC	TT	1940454795
SNP_P1_192452_97481	NW_004515964.1	Scaffold511	97481	AA	GG	1940454796
SNP_P1_192453_97862	NW_004515964.1	Scaffold511	97862	CC	AA	1940454797
SNP_P1_192454_97923	NW_004515964.1	Scaffold511	97923	AA	GG	1940454798
SNP_P1_192455_98072	NW_004515964.1	Scaffold511	98072	AA	GG	1940454799
SNP_P1_192456_98130	NW_004515964.1	Scaffold511	98130	TT	GG	1940454800
SNP_P1_192457_98309	NW_004515964.1	Scaffold511	98309	AA	GG	1940454801
SNP_P1_192458_99051	NW_004515964.1	Scaffold511	99051	AA	CC	1940454802
SNP_P1_192461_103378	NW_004515964.1	Scaffold511	103378	GG	AA	1940454803
SNP_P1_192462_106495	NW_004515964.1	Scaffold511	106495	GG	AA	1940454804
SNP_P1_192464_119033	NW_004515964.1	Scaffold511	119033	GG	AA	1940454805
SNP_P1_192465_123204	NW_004515964.1	Scaffold511	123204	AA	GG	1940454806
SNP_P1_192466_125721	NW_004515964.1	Scaffold511	125721	CC	GG	1940454807
SNP_P1_192467_134977	NW_004515964.1	Scaffold511	134977	GG	AA	1940454808
SNP_P1_192468_140052	NW_004515964.1	Scaffold511	140052	GG	AA	1940454809
SNP_P1_192469_140121	NW_004515964.1	Scaffold511	140121	AA	GG	1940454810
SNP_P1_192470_147973	NW_004515964.1	Scaffold511	147973	AA	GG	1940454811
SNP_P1_192471_148194	NW_004515964.1	Scaffold511	148194	CC	GG	1940454812
SNP_P1_192472_148217	NW_004515964.1	Scaffold511	148217	AA	CC	1940454813
SNP_P1_192473_148233	NW_004515964.1	Scaffold511	148233	CC	GG	1940454814
SNP_P1_192474_148246	NW_004515964.1	Scaffold511	148246	CC	TT	1940454815
SNP_P1_192475_148278	NW_004515964.1	Scaffold511	148278	TT	CC	1940454816
SNP_P1_192476_148299	NW_004515964.1	Scaffold511	148299	TT	CC	1940454817
SNP_P1_192477_148315	NW_004515964.1	Scaffold511	148315	AA	TT	1940454818
SNP_P1_192478_148316	NW_004515964.1	Scaffold511	148316	AA	CC	1940454819
SNP_P1_192479_149578	NW_004515964.1	Scaffold511	149578	TT	CC	1940454820
SNP_P1_192481_151836	NW_004515964.1	Scaffold511	151836	CC	AA	1940454821
SNP_P1_192482_152199	NW_004515964.1	Scaffold511	152199	CC	TT	1940454822
SNP_P1_192483_152200	NW_004515964.1	Scaffold511	152200	CC	TT	1940454823
SNP_P1_192484_162697	NW_004515964.1	Scaffold511	162697	CC	TT	1940454824
SNP_P1_192485_175069	NW_004515964.1	Scaffold511	175069	TT	AA	1940454825

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SNP_P1_192487_182673	NW_004515964.1	Scaffold511	182673	CC	TT	1940454827
SNP_P1_192488_183557	NW_004515964.1	Scaffold511	183557	AA	GG	1940454828
SNP_P1_192489_186117	NW_004515964.1	Scaffold511	186117	GG	TT	1940454829
SNP_P1_192490_190857	NW_004515964.1	Scaffold511	190857	AA	CC	1940454830
SNP_P1_192491_191001	NW_004515964.1	Scaffold511	191001	CC	TT	1940454831
SNP_P1_192492_192867	NW_004515964.1	Scaffold511	192867	TT	AA	1940454832
SNP_P1_192493_192912	NW_004515964.1	Scaffold511	192912	AA	GG	1940454833
SNP_P1_192494_192994	NW_004515964.1	Scaffold511	192994	TT	CC	1940454834
SNP_P1_192496_193141	NW_004515964.1	Scaffold511	193141	AA	TT	1940454835
SNP_P1_192497_193179	NW_004515964.1	Scaffold511	193179	TT	GG	1940454836
SNP_P1_192498_193242	NW_004515964.1	Scaffold511	193242	CC	TT	1940454837
SNP_P1_192499_193286	NW_004515964.1	Scaffold511	193286	GG	AA	1940454838
SNP_P1_192500_193308	NW_004515964.1	Scaffold511	193308	TT	GG	1940454839
SNP_P1_192501_193374	NW_004515964.1	Scaffold511	193374	AA	CC	1940454840
SNP_P1_192502_193777	NW_004515964.1	Scaffold511	193777	CC	GG	1940454841
SNP_P1_192503_194369	NW_004515964.1	Scaffold511	194369	CC	TT	1940454842
SNP_P1_192504_194402	NW_004515964.1	Scaffold511	194402	TT	CC	1940454843
SNP_P1_192505_194423	NW_004515964.1	Scaffold511	194423	TT	CC	1940454844
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SNP_P1_192507_194475	NW_004515964.1	Scaffold511	194475	TT	AA	1940454846
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SNP_P1_192509_194504	NW_004515964.1	Scaffold511	194504	AA	CC	1940454848
SNP_P1_192512_194633	NW_004515964.1	Scaffold511	194633	AA	TT	1940454849
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SNP_P1_192515_194719	NW_004515964.1	Scaffold511	194719	CC	AA	1940454851
SNP_P1_192516_194830	NW_004515964.1	Scaffold511	194830	CC	TT	1940454852
SNP_P1_192517_194860	NW_004515964.1	Scaffold511	194860	GG	AA	1940454853
SNP_P1_192518_194873	NW_004515964.1	Scaffold511	194873	GG	TT	1940454854
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SNP_P1_192520_221142	NW_004515964.1	Scaffold511	221142	GG	TT	1940454856
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SNP_P1_192524_221200	NW_004515964.1	Scaffold511	221200	AA	TT	1940454860
SNP_P1_192525_221494	NW_004515964.1	Scaffold511	221494	AA	GG	1940454861
SNP_P1_192526_221500	NW_004515964.1	Scaffold511	221500	AA	CC	1940454862
SNP_P1_192527_224513	NW_004515964.1	Scaffold511	224513	GG	TT	1940454863
SNP_P1_192528_224528	NW_004515964.1	Scaffold511	224528	TT	CC	1940454864
SNP_P1_192529_224531	NW_004515964.1	Scaffold511	224531	CC	GG	1940454865
SNP_P1_192530_224625	NW_004515964.1	Scaffold511	224625	AA	GG	1940454866
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192533_226177	NW_004515964.1	Scaffold511	226177	GG	AA	1940454869
SNP_P1_192534_226195	NW_004515964.1	Scaffold511	226195	GG	TT	1940454870
SNP_P1_192535_226416	NW_004515964.1	Scaffold511	226416	AA	TT	1940454871
SNP_P1_192536_226687	NW_004515964.1	Scaffold511	226687	TT	GG	1940454872
SNP_P1_192537_235758	NW_004515964.1	Scaffold511	235758	AA	GG	1940454873
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SNP_P1_192542_238809	NW_004515964.1	Scaffold511	238809	TT	AA	1940454878
SNP_P1_192543_238810	NW_004515964.1	Scaffold511	238810	TT	AA	1940454879
SNP_P1_192544_238828	NW_004515964.1	Scaffold511	238828	CC	TT	1940454880
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SNP_P1_192546_687	NW_004515965.1	Scaffold512	687	AA	GG	1940454882
SNP_P1_192547_718	NW_004515965.1	Scaffold512	718	TT	CC	1940454883
SNP_P1_192548_732	NW_004515965.1	Scaffold512	732	TT	GG	1940454884
SNP_P1_192549_780	NW_004515965.1	Scaffold512	780	TT	CC	1940454885
SNP_P1_192550_931	NW_004515965.1	Scaffold512	931	AA	TT	1940454886
SNP_P1_192551_6089	NW_004515965.1	Scaffold512	6089	AA	GG	1940454887
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SNP_P1_192554_9066	NW_004515965.1	Scaffold512	9066	GG	CC	1940454891
SNP_P1_192555_9368	NW_004515965.1	Scaffold512	9368	TT	AA	1940454892
SNP_P1_192556_9452	NW_004515965.1	Scaffold512	9452	TT	GG	1940454893
SNP_P1_192557_15324	NW_004515965.1	Scaffold512	15324	AA	GG	1940454894
SNP_P1_192558_21726	NW_004515965.1	Scaffold512	21726	GG	AA	1940454895
SNP_P1_192559_21816	NW_004515965.1	Scaffold512	21816	CC	TT	1940454896
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SNP_P1_192561_22514	NW_004515965.1	Scaffold512	22514	CC	TT	1940454898
SNP_P1_192562_26966	NW_004515965.1	Scaffold512	26966	GG	AA	1940454899
SNP_P1_192563_30751	NW_004515965.1	Scaffold512	30751	GG	AA	1940454900
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SNP_P1_192565_40348	NW_004515965.1	Scaffold512	40348	AA	GG	1940454902
SNP_P1_192566_40426	NW_004515965.1	Scaffold512	40426	AA	GG	1940454903
SNP_P1_192567_42778	NW_004515965.1	Scaffold512	42778	AA	GG	1940454904
SNP_P1_192568_60171	NW_004515965.1	Scaffold512	60171	TT	CC	1940454905
SNP_P1_192569_76222	NW_004515965.1	Scaffold512	76222	AA	GG	1940454906
SNP_P1_192570_78944	NW_004515965.1	Scaffold512	78944	AA	GG	1940454907
SNP_P1_192571_79351	NW_004515965.1	Scaffold512	79351	AA	CC	1940454908
SNP_P1_192572_79667	NW_004515965.1	Scaffold512	79667	CC	TT	1940454909
SNP_P1_192573_80370	NW_004515965.1	Scaffold512	80370	GG	TT	1940454910

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_192574_83019	NW_004515965.1	Scaffold512	83019	CC	TT	1940454911
SNP_P1_192575_83283	NW_004515965.1	Scaffold512	83283	TT	GG	1940454912
SNP_P1_192576_83369	NW_004515965.1	Scaffold512	83369	CC	TT	1940454913
SNP_P1_192577_85174	NW_004515965.1	Scaffold512	85174	GG	CC	1940454914
SNP_P1_192578_85227	NW_004515965.1	Scaffold512	85227	AA	CC	1940454915
SNP_P1_192579_85240	NW_004515965.1	Scaffold512	85240	CC	TT	1940454916
SNP_P1_192580_86260	NW_004515965.1	Scaffold512	86260	AA	TT	1940454917
SNP_P1_192581_88326	NW_004515965.1	Scaffold512	88326	CC	TT	1940454918
SNP_P1_192582_88441	NW_004515965.1	Scaffold512	88441	CC	TT	1940454919
SNP_P1_192583_88693	NW_004515965.1	Scaffold512	88693	GG	AA	1940454920
SNP_P1_192584_88803	NW_004515965.1	Scaffold512	88803	CC	TT	1940454921
SNP_P1_192585_89110	NW_004515965.1	Scaffold512	89110	TT	AA	1940454922
SNP_P1_192586_98599	NW_004515965.1	Scaffold512	98599	AA	TT	1940454923
SNP_P1_192587_98770	NW_004515965.1	Scaffold512	98770	AA	TT	1940454924
SNP_P1_192588_103490	NW_004515965.1	Scaffold512	103490	GG	AA	1940454925
SNP_P1_192589_105530	NW_004515965.1	Scaffold512	105530	AA	GG	1940454926
SNP_P1_192591_105773	NW_004515965.1	Scaffold512	105773	TT	GG	1940454927
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SNP_P1_192593_105898	NW_004515965.1	Scaffold512	105898	TT	AA	1940454929
SNP_P1_192594_106172	NW_004515965.1	Scaffold512	106172	CC	AA	1940454930
SNP_P1_192595_106210	NW_004515965.1	Scaffold512	106210	TT	GG	1940454931
SNP_P1_192596_107657	NW_004515965.1	Scaffold512	107657	CC	TT	1940454932
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SNP_P1_192599_113269	NW_004515965.1	Scaffold512	113269	TT	CC	1940454934
SNP_P1_192600_114504	NW_004515965.1	Scaffold512	114504	AA	CC	1940454935
SNP_P1_192601_114685	NW_004515965.1	Scaffold512	114685	GG	AA	1940454936
SNP_P1_192602_115677	NW_004515965.1	Scaffold512	115677	AA	TT	1940454937
SNP_P1_192603_116719	NW_004515965.1	Scaffold512	116719	TT	AA	1940454938
SNP_P1_192604_125966	NW_004515965.1	Scaffold512	125966	AA	GG	1940454939
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SNP_P1_192606_126032	NW_004515965.1	Scaffold512	126032	TT	AA	1940454941
SNP_P1_192607_126056	NW_004515965.1	Scaffold512	126056	GG	AA	1940454942
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SNP_P1_192612_126137	NW_004515965.1	Scaffold512	126137	AA	CC	1940454947
SNP_P1_192613_126149	NW_004515965.1	Scaffold512	126149	TT	CC	1940454948
SNP_P1_192614_126155	NW_004515965.1	Scaffold512	126155	GG	TT	1940454949
SNP_P1_192615_126167	NW_004515965.1	Scaffold512	126167	AA	TT	1940454950
SNP_P1_192616_126182	NW_004515965.1	Scaffold512	126182	AA	TT	1940454951
SNP_P1_192617_126230	NW_004515965.1	Scaffold512	126230	GG	AA	1940454952

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192619_126249	NW_004515965.1	Scaffold512	126249	GG	AA	1940454954
SNP_P1_192620_126288	NW_004515965.1	Scaffold512	126288	GG	AA	1940454955
SNP_P1_192621_126320	NW_004515965.1	Scaffold512	126320	GG	CC	1940454956
SNP_P1_192622_126333	NW_004515965.1	Scaffold512	126333	CC	TT	1940454957
SNP_P1_192623_126348	NW_004515965.1	Scaffold512	126348	TT	CC	1940454958
SNP_P1_192624_126354	NW_004515965.1	Scaffold512	126354	CC	TT	1940454959
SNP_P1_192626_126367	NW_004515965.1	Scaffold512	126367	AA	TT	1940454960
SNP_P1_192627_126390	NW_004515965.1	Scaffold512	126390	AA	GG	1940454961
SNP_P1_192628_126446	NW_004515965.1	Scaffold512	126446	AA	TT	1940454962
SNP_P1_192629_126453	NW_004515965.1	Scaffold512	126453	AA	GG	1940454963
SNP_P1_192630_126522	NW_004515965.1	Scaffold512	126522	CC	TT	1940454964
SNP_P1_192631_126525	NW_004515965.1	Scaffold512	126525	CC	TT	1940454965
SNP_P1_192632_131831	NW_004515965.1	Scaffold512	131831	AA	GG	1940454966
SNP_P1_192633_136290	NW_004515965.1	Scaffold512	136290	AA	GG	1940454967
SNP_P1_192634_137599	NW_004515965.1	Scaffold512	137599	GG	AA	1940454968
SNP_P1_192635_137936	NW_004515965.1	Scaffold512	137936	TT	CC	1940454969
SNP_P1_192636_137950	NW_004515965.1	Scaffold512	137950	AA	GG	1940454970
SNP_P1_192637_137960	NW_004515965.1	Scaffold512	137960	AA	TT	1940454971
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SNP_P1_192639_138199	NW_004515965.1	Scaffold512	138199	GG	CC	1940454973
SNP_P1_192640_138399	NW_004515965.1	Scaffold512	138399	TT	GG	1940454974
SNP_P1_192641_138418	NW_004515965.1	Scaffold512	138418	CC	AA	1940454975
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SNP_P1_192643_138428	NW_004515965.1	Scaffold512	138428	AA	CC	1940454977
SNP_P1_192644_138430	NW_004515965.1	Scaffold512	138430	GG	AA	1940454978
SNP_P1_192645_138432	NW_004515965.1	Scaffold512	138432	AA	CC	1940454979
SNP_P1_192646_138434	NW_004515965.1	Scaffold512	138434	AA	TT	1940454980
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SNP_P1_192648_138441	NW_004515965.1	Scaffold512	138441	AA	CC	1940454982
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SNP_P1_192650_138498	NW_004515965.1	Scaffold512	138498	AA	TT	1940454984
SNP_P1_192651_138511	NW_004515965.1	Scaffold512	138511	CC	TT	1940454985
SNP_P1_192654_139628	NW_004515965.1	Scaffold512	139628	GG	AA	1940454986
SNP_P1_192655_139642	NW_004515965.1	Scaffold512	139642	CC	GG	1940454987
SNP_P1_192656_139703	NW_004515965.1	Scaffold512	139703	GG	TT	1940454988
SNP_P1_192657_139709	NW_004515965.1	Scaffold512	139709	AA	GG	1940454989
SNP_P1_192658_144187	NW_004515965.1	Scaffold512	144187	CC	TT	1940454990
SNP_P1_192659_144889	NW_004515965.1	Scaffold512	144889	CC	TT	1940454991
SNP_P1_192660_144900	NW_004515965.1	Scaffold512	144900	TT	GG	1940454992
SNP_P1_192661_144934	NW_004515965.1	Scaffold512	144934	GG	TT	1940454993
SNP_P1_192662_148142	NW_004515965.1	Scaffold512	148142	AA	GG	1940454994

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192665_155565	NW_004515965.1	Scaffold512	155565	GG	TT	1940454997
SNP_P1_192666_155685	NW_004515965.1	Scaffold512	155685	GG	AA	1940454998
SNP_P1_192667_155701	NW_004515965.1	Scaffold512	155701	TT	AA	1940454999
SNP_P1_192668_155839	NW_004515965.1	Scaffold512	155839	GG	CC	1940455000
SNP_P1_192669_156484	NW_004515965.1	Scaffold512	156484	TT	CC	1940455001
SNP_P1_192670_161678	NW_004515965.1	Scaffold512	161678	TT	CC	1940455002
SNP_P1_192671_162075	NW_004515965.1	Scaffold512	162075	AA	TT	1940455003
SNP_P1_192672_162088	NW_004515965.1	Scaffold512	162088	AA	GG	1940455004
SNP_P1_192673_162175	NW_004515965.1	Scaffold512	162175	CC	AA	1940455005
SNP_P1_192674_162215	NW_004515965.1	Scaffold512	162215	AA	TT	1940455006
SNP_P1_192675_162323	NW_004515965.1	Scaffold512	162323	TT	AA	1940455007
SNP_P1_192676_162349	NW_004515965.1	Scaffold512	162349	GG	TT	1940455008
SNP_P1_192677_162366	NW_004515965.1	Scaffold512	162366	TT	AA	1940455009
SNP_P1_192678_162392	NW_004515965.1	Scaffold512	162392	GG	TT	1940455010
SNP_P1_192679_163117	NW_004515965.1	Scaffold512	163117	AA	GG	1940455011
SNP_P1_192680_163476	NW_004515965.1	Scaffold512	163476	AA	GG	1940455012
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SNP_P1_192682_166690	NW_004515965.1	Scaffold512	166690	CC	AA	1940455014
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SNP_P1_192684_170111	NW_004515965.1	Scaffold512	170111	TT	CC	1940455016
SNP_P1_192685_170218	NW_004515965.1	Scaffold512	170218	TT	GG	1940455018
SNP_P1_192686_173556	NW_004515965.1	Scaffold512	173556	CC	AA	1940455019
SNP_P1_192687_180157	NW_004515965.1	Scaffold512	180157	CC	TT	1940455020
SNP_P1_192688_180334	NW_004515965.1	Scaffold512	180334	CC	TT	1940455021
SNP_P1_192689_180335	NW_004515965.1	Scaffold512	180335	CC	AA	1940455022
SNP_P1_192690_180366	NW_004515965.1	Scaffold512	180366	GG	TT	1940455023
SNP_P1_192691_180429	NW_004515965.1	Scaffold512	180429	TT	CC	1940455024
SNP_P1_192692_180645	NW_004515965.1	Scaffold512	180645	AA	GG	1940455025
SNP_P1_192693_180771	NW_004515965.1	Scaffold512	180771	GG	TT	1940455026
SNP_P1_192694_187485	NW_004515965.1	Scaffold512	187485	TT	CC	1940455027
SNP_P1_192695_187488	NW_004515965.1	Scaffold512	187488	TT	CC	1940455028
SNP_P1_192696_187490	NW_004515965.1	Scaffold512	187490	GG	AA	1940455029
SNP_P1_192697_191238	NW_004515965.1	Scaffold512	191238	GG	AA	1940455030
SNP_P1_192698_202	NW_004515966.1	Scaffold513	202	TT	CC	1940455031
SNP_P1_192699_297	NW_004515966.1	Scaffold513	297	AA	GG	1940455032
SNP_P1_192700_299	NW_004515966.1	Scaffold513	299	AA	CC	1940455033
SNP_P1_192701_300	NW_004515966.1	Scaffold513	300	AA	TT	1940455034
SNP_P1_192702_429	NW_004515966.1	Scaffold513	429	AA	GG	1940455035
SNP_P1_192703_584	NW_004515966.1	Scaffold513	584	TT	CC	1940455036
SNP_P1_192704_644	NW_004515966.1	Scaffold513	644	AA	GG	1940455037

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192706_6323	NW_004515966.1	Scaffold513	6323	TT	CC	1940455039
SNP_P1_192707_6957	NW_004515966.1	Scaffold513	6957	CC	TT	1940455040
SNP_P1_192708_7241	NW_004515966.1	Scaffold513	7241	TT	CC	1940455041
SNP_P1_192709_7296	NW_004515966.1	Scaffold513	7296	GG	AA	1940455042
SNP_P1_192711_7752	NW_004515966.1	Scaffold513	7752	AA	GG	1940455043
SNP_P1_192713_10969	NW_004515966.1	Scaffold513	10969	CC	TT	1940455044
SNP_P1_192714_11033	NW_004515966.1	Scaffold513	11033	AA	TT	1940455045
SNP_P1_192715_16908	NW_004515966.1	Scaffold513	16908	AA	GG	1940455046
SNP_P1_192716_16988	NW_004515966.1	Scaffold513	16988	CC	TT	1940455047
SNP_P1_192717_16994	NW_004515966.1	Scaffold513	16994	GG	AA	1940455048
SNP_P1_192718_17096	NW_004515966.1	Scaffold513	17096	CC	TT	1940455049
SNP_P1_192719_17104	NW_004515966.1	Scaffold513	17104	CC	TT	1940455050
SNP_P1_192720_17381	NW_004515966.1	Scaffold513	17381	AA	GG	1940455051
SNP_P1_192721_64	NW_004515967.1	Scaffold515	64	AA	CC	1940455052
SNP_P1_192722_82	NW_004515967.1	Scaffold515	82	TT	CC	1940455053
SNP_P1_192723_105	NW_004515967.1	Scaffold515	105	TT	CC	1940455054
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SNP_P1_192726_231	NW_004515967.1	Scaffold515	231	CC	AA	1940455056
SNP_P1_192727_400	NW_004515967.1	Scaffold515	400	CC	TT	1940455057
SNP_P1_192728_408	NW_004515967.1	Scaffold515	408	TT	CC	1940455058
SNP_P1_192729_430	NW_004515967.1	Scaffold515	430	AA	GG	1940455059
SNP_P1_192730_521	NW_004515967.1	Scaffold515	521	CC	TT	1940455060
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SNP_P1_192742_1511	NW_004515967.1	Scaffold515	1511	CC	AA	1940455072
SNP_P1_192743_1535	NW_004515967.1	Scaffold515	1535	AA	CC	1940455073
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SNP_P1_192746_8655	NW_004515967.1	Scaffold515	8655	TT	GG	1940455076
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SNP_P1_192748_8713	NW_004515967.1	Scaffold515	8713	TT	GG	1940455078
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192752_9034	NW_004515967.1	Scaffold515	9034	GG	TT	1940455082
SNP_P1_192753_9036	NW_004515967.1	Scaffold515	9036	CC	AA	1940455083
SNP_P1_192754_9148	NW_004515967.1	Scaffold515	9148	CC	AA	1940455084
SNP_P1_192755_9153	NW_004515967.1	Scaffold515	9153	GG	CC	1940455085
SNP_P1_192756_9218	NW_004515967.1	Scaffold515	9218	GG	AA	1940455086
SNP_P1_192757_9266	NW_004515967.1	Scaffold515	9266	CC	TT	1940455087
SNP_P1_192758_9440	NW_004515967.1	Scaffold515	9440	CC	TT	1940455088
SNP_P1_192759_9524	NW_004515967.1	Scaffold515	9524	AA	GG	1940455089
SNP_P1_192760_9551	NW_004515967.1	Scaffold515	9551	TT	CC	1940455090
SNP_P1_192761_9592	NW_004515967.1	Scaffold515	9592	TT	GG	1940455091
SNP_P1_192762_9593	NW_004515967.1	Scaffold515	9593	GG	AA	1940455092
SNP_P1_192763_9609	NW_004515967.1	Scaffold515	9609	TT	CC	1940455093
SNP_P1_192764_9667	NW_004515967.1	Scaffold515	9667	GG	CC	1940455094
SNP_P1_192765_9716	NW_004515967.1	Scaffold515	9716	AA	CC	1940455095
SNP_P1_192766_9782	NW_004515967.1	Scaffold515	9782	CC	AA	1940455096
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SNP_P1_192768_9835	NW_004515967.1	Scaffold515	9835	GG	TT	1940455098
SNP_P1_192769_9861	NW_004515967.1	Scaffold515	9861	AA	GG	1940455099
SNP_P1_192770_9866	NW_004515967.1	Scaffold515	9866	TT	CC	1940455100
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SNP_P1_192775_10114	NW_004515967.1	Scaffold515	10114	AA	GG	1940455105
SNP_P1_192776_10174	NW_004515967.1	Scaffold515	10174	GG	TT	1940455106
SNP_P1_192777_10192	NW_004515967.1	Scaffold515	10192	TT	AA	1940455107
SNP_P1_192778_10264	NW_004515967.1	Scaffold515	10264	CC	TT	1940455108
SNP_P1_192779_10479	NW_004515967.1	Scaffold515	10479	TT	GG	1940455109
SNP_P1_192780_10535	NW_004515967.1	Scaffold515	10535	GG	CC	1940455110
SNP_P1_192781_10646	NW_004515967.1	Scaffold515	10646	AA	TT	1940455111
SNP_P1_192782_10658	NW_004515967.1	Scaffold515	10658	AA	GG	1940455112
SNP_P1_192783_10659	NW_004515967.1	Scaffold515	10659	TT	GG	1940455113
SNP_P1_192784_10677	NW_004515967.1	Scaffold515	10677	AA	GG	1940455114
SNP_P1_192785_10678	NW_004515967.1	Scaffold515	10678	AA	TT	1940455115
SNP_P1_192786_10723	NW_004515967.1	Scaffold515	10723	GG	TT	1940455116
SNP_P1_192787_10791	NW_004515967.1	Scaffold515	10791	TT	CC	1940455117
SNP_P1_192788_10812	NW_004515967.1	Scaffold515	10812	GG	AA	1940455118
SNP_P1_192789_10990	NW_004515967.1	Scaffold515	10990	TT	CC	1940455119
SNP_P1_192790_11016	NW_004515967.1	Scaffold515	11016	CC	TT	1940455120
SNP_P1_192791_11018	NW_004515967.1	Scaffold515	11018	AA	TT	1940455121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192793_11070	NW_004515967.1	Scaffold515	11070	CC	GG	1940455123
SNP_P1_192794_11980	NW_004515967.1	Scaffold515	11980	GG	AA	1940455124
SNP_P1_192795_12032	NW_004515967.1	Scaffold515	12032	GG	AA	1940455125
SNP_P1_192796_12206	NW_004515967.1	Scaffold515	12206	TT	AA	1940455126
SNP_P1_192797_12314	NW_004515967.1	Scaffold515	12314	CC	TT	1940455127
SNP_P1_192798_12371	NW_004515967.1	Scaffold515	12371	TT	CC	1940455128
SNP_P1_192799_12635	NW_004515967.1	Scaffold515	12635	TT	CC	1940455129
SNP_P1_192800_12687	NW_004515967.1	Scaffold515	12687	CC	GG	1940455130
SNP_P1_192801_12807	NW_004515967.1	Scaffold515	12807	CC	AA	1940455131
SNP_P1_192802_12819	NW_004515967.1	Scaffold515	12819	AA	GG	1940455132
SNP_P1_192803_12917	NW_004515967.1	Scaffold515	12917	GG	TT	1940455133
SNP_P1_192804_13044	NW_004515967.1	Scaffold515	13044	TT	CC	1940455134
SNP_P1_192805_15043	NW_004515967.1	Scaffold515	15043	TT	AA	1940455135
SNP_P1_192806_15399	NW_004515967.1	Scaffold515	15399	TT	AA	1940455136
SNP_P1_192807_15601	NW_004515967.1	Scaffold515	15601	TT	GG	1940455137
SNP_P1_192808_15623	NW_004515967.1	Scaffold515	15623	GG	TT	1940455138
SNP_P1_192809_15681	NW_004515967.1	Scaffold515	15681	TT	CC	1940455139
SNP_P1_192810_15784	NW_004515967.1	Scaffold515	15784	TT	CC	1940455140
SNP_P1_192811_15801	NW_004515967.1	Scaffold515	15801	GG	AA	1940455141
SNP_P1_192812_16006	NW_004515967.1	Scaffold515	16006	TT	CC	1940455142
SNP_P1_192813_16014	NW_004515967.1	Scaffold515	16014	CC	TT	1940455143
SNP_P1_192814_16176	NW_004515967.1	Scaffold515	16176	GG	TT	1940455144
SNP_P1_192815_16208	NW_004515967.1	Scaffold515	16208	GG	CC	1940455145
SNP_P1_192816_16216	NW_004515967.1	Scaffold515	16216	CC	AA	1940455146
SNP_P1_192817_17087	NW_004515967.1	Scaffold515	17087	TT	CC	1940455147
SNP_P1_192819_19553	NW_004515967.1	Scaffold515	19553	CC	TT	1940455148
SNP_P1_192820_19603	NW_004515967.1	Scaffold515	19603	CC	TT	1940455149
SNP_P1_192821_19607	NW_004515967.1	Scaffold515	19607	TT	AA	1940455150
SNP_P1_192822_19650	NW_004515967.1	Scaffold515	19650	TT	GG	1940455151
SNP_P1_192823_19653	NW_004515967.1	Scaffold515	19653	TT	CC	1940455152
SNP_P1_192824_19664	NW_004515967.1	Scaffold515	19664	GG	TT	1940455153
SNP_P1_192825_19679	NW_004515967.1	Scaffold515	19679	AA	CC	1940455154
SNP_P1_192826_19866	NW_004515967.1	Scaffold515	19866	GG	AA	1940455155
SNP_P1_192827_19870	NW_004515967.1	Scaffold515	19870	GG	AA	1940455156
SNP_P1_192828_19874	NW_004515967.1	Scaffold515	19874	TT	CC	1940455157
SNP_P1_192829_19893	NW_004515967.1	Scaffold515	19893	CC	TT	1940455158
SNP_P1_192830_19920	NW_004515967.1	Scaffold515	19920	GG	CC	1940455159
SNP_P1_192832_19993	NW_004515967.1	Scaffold515	19993	AA	CC	1940455160
SNP_P1_192833_21809	NW_004515967.1	Scaffold515	21809	TT	CC	1940455161
SNP_P1_192834_21839	NW_004515967.1	Scaffold515	21839	AA	CC	1940455162
SNP_P1_192835_21855	NW_004515967.1	Scaffold515	21855	AA	GG	1940455163

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192837_21917	NW_004515967.1	Scaffold515	21917	TT	AA	1940455165
SNP_P1_192838_22105	NW_004515967.1	Scaffold515	22105	AA	TT	1940455166
SNP_P1_192839_22106	NW_004515967.1	Scaffold515	22106	CC	TT	1940455167
SNP_P1_192840_22110	NW_004515967.1	Scaffold515	22110	TT	AA	1940455168
SNP_P1_192841_22191	NW_004515967.1	Scaffold515	22191	AA	GG	1940455169
SNP_P1_192842_22195	NW_004515967.1	Scaffold515	22195	TT	CC	1940455170
SNP_P1_192843_22205	NW_004515967.1	Scaffold515	22205	AA	GG	1940455171
SNP_P1_192844_24257	NW_004515967.1	Scaffold515	24257	AA	CC	1940455172
SNP_P1_192845_24259	NW_004515967.1	Scaffold515	24259	TT	CC	1940455174
SNP_P1_192846_24307	NW_004515967.1	Scaffold515	24307	CC	TT	1940455175
SNP_P1_192847_24383	NW_004515967.1	Scaffold515	24383	TT	AA	1940455176
SNP_P1_192848_24633	NW_004515967.1	Scaffold515	24633	TT	CC	1940455177
SNP_P1_192849_24702	NW_004515967.1	Scaffold515	24702	GG	AA	1940455178
SNP_P1_192850_26038	NW_004515967.1	Scaffold515	26038	CC	AA	1940455179
SNP_P1_192851_26076	NW_004515967.1	Scaffold515	26076	TT	AA	1940455180
SNP_P1_192852_26118	NW_004515967.1	Scaffold515	26118	TT	CC	1940455181
SNP_P1_192853_26189	NW_004515967.1	Scaffold515	26189	CC	TT	1940455182
SNP_P1_192854_26393	NW_004515967.1	Scaffold515	26393	TT	CC	1940455183
SNP_P1_192855_26454	NW_004515967.1	Scaffold515	26454	TT	GG	1940455184
SNP_P1_192856_26485	NW_004515967.1	Scaffold515	26485	TT	CC	1940455185
SNP_P1_192857_27274	NW_004515967.1	Scaffold515	27274	TT	CC	1940455186
SNP_P1_192858_27944	NW_004515967.1	Scaffold515	27944	TT	CC	1940455187
SNP_P1_192859_28305	NW_004515967.1	Scaffold515	28305	TT	GG	1940455188
SNP_P1_192860_28390	NW_004515967.1	Scaffold515	28390	AA	GG	1940455189
SNP_P1_192861_28423	NW_004515967.1	Scaffold515	28423	AA	GG	1940455190
SNP_P1_192862_28463	NW_004515967.1	Scaffold515	28463	GG	AA	1940455191
SNP_P1_192863_28473	NW_004515967.1	Scaffold515	28473	TT	CC	1940455192
SNP_P1_192864_28678	NW_004515967.1	Scaffold515	28678	TT	GG	1940455193
SNP_P1_192865_28713	NW_004515967.1	Scaffold515	28713	GG	AA	1940455194
SNP_P1_192866_29043	NW_004515967.1	Scaffold515	29043	AA	GG	1940455195
SNP_P1_192867_29173	NW_004515967.1	Scaffold515	29173	CC	TT	1940455196
SNP_P1_192868_29265	NW_004515967.1	Scaffold515	29265	GG	CC	1940455197
SNP_P1_192869_29374	NW_004515967.1	Scaffold515	29374	GG	CC	1940455198
SNP_P1_192870_29495	NW_004515967.1	Scaffold515	29495	TT	CC	1940455199
SNP_P1_192871_29729	NW_004515967.1	Scaffold515	29729	TT	CC	1940455200
SNP_P1_192872_29736	NW_004515967.1	Scaffold515	29736	CC	TT	1940455201
SNP_P1_192873_29767	NW_004515967.1	Scaffold515	29767	TT	AA	1940455202
SNP_P1_192874_29772	NW_004515967.1	Scaffold515	29772	AA	CC	1940455203
SNP_P1_192875_29790	NW_004515967.1	Scaffold515	29790	TT	CC	1940455204
SNP_P1_192876_29969	NW_004515967.1	Scaffold515	29969	AA	GG	1940455205
SNP_P1_192877_30130	NW_004515967.1	Scaffold515	30130	CC	TT	1940455206

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_192879_30346	NW_004515967.1	Scaffold515	30346	CC	TT	1940455208
SNP_P1_192880_30351	NW_004515967.1	Scaffold515	30351	AA	CC	1940455209
SNP_P1_192881_30356	NW_004515967.1	Scaffold515	30356	GG	TT	1940455210
SNP_P1_192882_30414	NW_004515967.1	Scaffold515	30414	CC	TT	1940455211
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SNP_P1_192884_30419	NW_004515967.1	Scaffold515	30419	AA	GG	1940455213
SNP_P1_192885_30544	NW_004515967.1	Scaffold515	30544	CC	AA	1940455214
SNP_P1_192886_30578	NW_004515967.1	Scaffold515	30578	GG	AA	1940455215
SNP_P1_192887_30580	NW_004515967.1	Scaffold515	30580	AA	CC	1940455216
SNP_P1_192888_30587	NW_004515967.1	Scaffold515	30587	GG	AA	1940455217
SNP_P1_192889_30655	NW_004515967.1	Scaffold515	30655	GG	AA	1940455218
SNP_P1_192890_30684	NW_004515967.1	Scaffold515	30684	TT	CC	1940455219
SNP_P1_192891_30697	NW_004515967.1	Scaffold515	30697	GG	CC	1940455220
SNP_P1_192892_30708	NW_004515967.1	Scaffold515	30708	GG	TT	1940455221
SNP_P1_192893_30715	NW_004515967.1	Scaffold515	30715	GG	TT	1940455222
SNP_P1_192894_30759	NW_004515967.1	Scaffold515	30759	AA	GG	1940455223
SNP_P1_192895_30781	NW_004515967.1	Scaffold515	30781	GG	CC	1940455224
SNP_P1_192896_30788	NW_004515967.1	Scaffold515	30788	AA	TT	1940455225
SNP_P1_192897_30796	NW_004515967.1	Scaffold515	30796	AA	CC	1940455226
SNP_P1_192898_30799	NW_004515967.1	Scaffold515	30799	CC	GG	1940455227
SNP_P1_192899_30819	NW_004515967.1	Scaffold515	30819	AA	TT	1940455228
SNP_P1_192900_30868	NW_004515967.1	Scaffold515	30868	AA	GG	1940455229
SNP_P1_192901_30872	NW_004515967.1	Scaffold515	30872	GG	TT	1940455230
SNP_P1_192902_30882	NW_004515967.1	Scaffold515	30882	AA	GG	1940455231
SNP_P1_192903_30938	NW_004515967.1	Scaffold515	30938	AA	GG	1940455232
SNP_P1_192904_30994	NW_004515967.1	Scaffold515	30994	TT	CC	1940455233
SNP_P1_192906_31053	NW_004515967.1	Scaffold515	31053	AA	CC	1940455234
SNP_P1_192907_31072	NW_004515967.1	Scaffold515	31072	CC	TT	1940455235
SNP_P1_192908_31125	NW_004515967.1	Scaffold515	31125	CC	TT	1940455236
SNP_P1_192909_31126	NW_004515967.1	Scaffold515	31126	GG	AA	1940455237
SNP_P1_192910_31237	NW_004515967.1	Scaffold515	31237	GG	TT	1940455238
SNP_P1_192911_31279	NW_004515967.1	Scaffold515	31279	CC	TT	1940455239
SNP_P1_192912_31314	NW_004515967.1	Scaffold515	31314	CC	TT	1940455240
SNP_P1_192913_31390	NW_004515967.1	Scaffold515	31390	AA	GG	1940455241
SNP_P1_192914_31531	NW_004515967.1	Scaffold515	31531	AA	CC	1940455242
SNP_P1_192915_31564	NW_004515967.1	Scaffold515	31564	GG	CC	1940455243
SNP_P1_192916_31671	NW_004515967.1	Scaffold515	31671	AA	TT	1940455244
SNP_P1_192917_31848	NW_004515967.1	Scaffold515	31848	TT	CC	1940455245
SNP_P1_192918_31865	NW_004515967.1	Scaffold515	31865	CC	GG	1940455246
SNP_P1_192919_31976	NW_004515967.1	Scaffold515	31976	AA	GG	1940455247
SNP_P1_192920_32213	NW_004515967.1	Scaffold515	32213	AA	TT	1940455248

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SNP_P1_192922_32272	NW_004515967.1	Scaffold515	32272	AA	TT	1940455250
SNP_P1_192924_32364	NW_004515967.1	Scaffold515	32364	GG	CC	1940455251
SNP_P1_192925_32483	NW_004515967.1	Scaffold515	32483	TT	GG	1940455252
SNP_P1_192926_32488	NW_004515967.1	Scaffold515	32488	TT	CC	1940455253
SNP_P1_192927_32632	NW_004515967.1	Scaffold515	32632	TT	GG	1940455254
SNP_P1_192928_32694	NW_004515967.1	Scaffold515	32694	TT	GG	1940455255
SNP_P1_192929_32746	NW_004515967.1	Scaffold515	32746	TT	AA	1940455256
SNP_P1_192930_33059	NW_004515967.1	Scaffold515	33059	CC	AA	1940455257
SNP_P1_192931_33093	NW_004515967.1	Scaffold515	33093	AA	TT	1940455258
SNP_P1_192932_33147	NW_004515967.1	Scaffold515	33147	TT	CC	1940455259
SNP_P1_192933_33155	NW_004515967.1	Scaffold515	33155	AA	GG	1940455260
SNP_P1_192934_33186	NW_004515967.1	Scaffold515	33186	TT	CC	1940455261
SNP_P1_192935_33216	NW_004515967.1	Scaffold515	33216	TT	CC	1940455262
SNP_P1_192936_33244	NW_004515967.1	Scaffold515	33244	AA	GG	1940455263
SNP_P1_192937_33320	NW_004515967.1	Scaffold515	33320	GG	AA	1940455264
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SNP_P1_192940_33397	NW_004515967.1	Scaffold515	33397	AA	TT	1940455267
SNP_P1_192941_33483	NW_004515967.1	Scaffold515	33483	GG	AA	1940455268
SNP_P1_192942_33496	NW_004515967.1	Scaffold515	33496	TT	AA	1940455269
SNP_P1_192943_33953	NW_004515967.1	Scaffold515	33953	TT	AA	1940455270
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SNP_P1_192950_34428	NW_004515967.1	Scaffold515	34428	GG	AA	1940455277
SNP_P1_192951_34432	NW_004515967.1	Scaffold515	34432	CC	TT	1940455278
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SNP_P1_192956_34722	NW_004515967.1	Scaffold515	34722	TT	AA	1940455283
SNP_P1_192957_34921	NW_004515967.1	Scaffold515	34921	AA	GG	1940455284
SNP_P1_192958_36307	NW_004515967.1	Scaffold515	36307	GG	AA	1940455285
SNP_P1_192959_36422	NW_004515967.1	Scaffold515	36422	TT	CC	1940455286
SNP_P1_192960_36425	NW_004515967.1	Scaffold515	36425	TT	CC	1940455287
SNP_P1_192961_36527	NW_004515967.1	Scaffold515	36527	TT	GG	1940455288
SNP_P1_192962_36565	NW_004515967.1	Scaffold515	36565	GG	TT	1940455289
SNP_P1_192963_36587	NW_004515967.1	Scaffold515	36587	TT	CC	1940455290

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SNP_P1_192966_36672	NW_004515967.1	Scaffold515	36672	AA	TT	1940455293
SNP_P1_192967_38600	NW_004515967.1	Scaffold515	38600	GG	TT	1940455294
SNP_P1_192968_38639	NW_004515967.1	Scaffold515	38639	AA	CC	1940455295
SNP_P1_192969_38887	NW_004515967.1	Scaffold515	38887	AA	GG	1940455296
SNP_P1_192970_38994	NW_004515967.1	Scaffold515	38994	AA	TT	1940455297
SNP_P1_192971_39160	NW_004515967.1	Scaffold515	39160	GG	AA	1940455298
SNP_P1_192972_39278	NW_004515967.1	Scaffold515	39278	TT	AA	1940455299
SNP_P1_192973_39361	NW_004515967.1	Scaffold515	39361	AA	TT	1940455300
SNP_P1_192974_39488	NW_004515967.1	Scaffold515	39488	TT	AA	1940455301
SNP_P1_192975_39507	NW_004515967.1	Scaffold515	39507	AA	CC	1940455302
SNP_P1_192976_39594	NW_004515967.1	Scaffold515	39594	GG	AA	1940455303
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SNP_P1_192981_41938	NW_004515967.1	Scaffold515	41938	GG	TT	1940455308
SNP_P1_192982_42056	NW_004515967.1	Scaffold515	42056	TT	AA	1940455309
SNP_P1_192983_42144	NW_004515967.1	Scaffold515	42144	AA	TT	1940455310
SNP_P1_192984_42547	NW_004515967.1	Scaffold515	42547	GG	AA	1940455311
SNP_P1_192985_42569	NW_004515967.1	Scaffold515	42569	CC	AA	1940455312
SNP_P1_192986_42699	NW_004515967.1	Scaffold515	42699	AA	GG	1940455313
SNP_P1_192987_42731	NW_004515967.1	Scaffold515	42731	CC	TT	1940455314
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SNP_P1_192992_42885	NW_004515967.1	Scaffold515	42885	TT	CC	1940455318
SNP_P1_192993_42968	NW_004515967.1	Scaffold515	42968	TT	CC	1940455319
SNP_P1_192994_42992	NW_004515967.1	Scaffold515	42992	CC	TT	1940455320
SNP_P1_192996_43058	NW_004515967.1	Scaffold515	43058	GG	TT	1940455321
SNP_P1_192997_43118	NW_004515967.1	Scaffold515	43118	CC	TT	1940455322
SNP_P1_192998_43131	NW_004515967.1	Scaffold515	43131	CC	TT	1940455323
SNP_P1_192999_43196	NW_004515967.1	Scaffold515	43196	GG	TT	1940455324
SNP_P1_193000_43271	NW_004515967.1	Scaffold515	43271	TT	CC	1940455325
SNP_P1_193001_43403	NW_004515967.1	Scaffold515	43403	AA	GG	1940455326
SNP_P1_193003_43506	NW_004515967.1	Scaffold515	43506	GG	AA	1940455327
SNP_P1_193004_43581	NW_004515967.1	Scaffold515	43581	TT	GG	1940455328
SNP_P1_193005_43594	NW_004515967.1	Scaffold515	43594	TT	CC	1940455329
SNP_P1_193006_43636	NW_004515967.1	Scaffold515	43636	CC	TT	1940455330
SNP_P1_193007_43699	NW_004515967.1	Scaffold515	43699	GG	TT	1940455331
SNP_P1_193008_43712	NW_004515967.1	Scaffold515	43712	GG	AA	1940455332

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_193009_43762	NW_004515967.1	Scaffold515	43762	CC	TT	1940455333
SNP_P1_193010_43769	NW_004515967.1	Scaffold515	43769	TT	GG	1940455334
SNP_P1_193011_44010	NW_004515967.1	Scaffold515	44010	AA	CC	1940455335
SNP_P1_193012_44040	NW_004515967.1	Scaffold515	44040	TT	AA	1940455337
SNP_P1_193013_44624	NW_004515967.1	Scaffold515	44624	AA	GG	1940455338
SNP_P1_193014_44632	NW_004515967.1	Scaffold515	44632	GG	TT	1940455339
SNP_P1_193015_44640	NW_004515967.1	Scaffold515	44640	AA	CC	1940455340
SNP_P1_193016_44644	NW_004515967.1	Scaffold515	44644	TT	CC	1940455341
SNP_P1_193017_44692	NW_004515967.1	Scaffold515	44692	GG	CC	1940455342
SNP_P1_193018_44751	NW_004515967.1	Scaffold515	44751	AA	TT	1940455343
SNP_P1_193019_44756	NW_004515967.1	Scaffold515	44756	CC	TT	1940455344
SNP_P1_193020_44762	NW_004515967.1	Scaffold515	44762	TT	AA	1940455345
SNP_P1_193021_44777	NW_004515967.1	Scaffold515	44777	CC	TT	1940455346
SNP_P1_193022_44779	NW_004515967.1	Scaffold515	44779	AA	GG	1940455347
SNP_P1_193023_44843	NW_004515967.1	Scaffold515	44843	TT	CC	1940455348
SNP_P1_193024_44961	NW_004515967.1	Scaffold515	44961	AA	CC	1940455349
SNP_P1_193025_45022	NW_004515967.1	Scaffold515	45022	CC	TT	1940455350
SNP_P1_193026_45033	NW_004515967.1	Scaffold515	45033	GG	TT	1940455351
SNP_P1_193027_45097	NW_004515967.1	Scaffold515	45097	AA	TT	1940455352
SNP_P1_193028_45126	NW_004515967.1	Scaffold515	45126	TT	CC	1940455353
SNP_P1_193029_45265	NW_004515967.1	Scaffold515	45265	CC	GG	1940455354
SNP_P1_193030_45408	NW_004515967.1	Scaffold515	45408	CC	TT	1940455355
SNP_P1_193031_45463	NW_004515967.1	Scaffold515	45463	AA	GG	1940455356
SNP_P1_193032_45476	NW_004515967.1	Scaffold515	45476	GG	AA	1940455357
SNP_P1_193033_45513	NW_004515967.1	Scaffold515	45513	GG	AA	1940455358
SNP_P1_193034_45545	NW_004515967.1	Scaffold515	45545	AA	TT	1940455359
SNP_P1_193035_45654	NW_004515967.1	Scaffold515	45654	TT	CC	1940455360
SNP_P1_193036_45845	NW_004515967.1	Scaffold515	45845	CC	GG	1940455361
SNP_P1_193037_46020	NW_004515967.1	Scaffold515	46020	GG	CC	1940455362
SNP_P1_193038_46106	NW_004515967.1	Scaffold515	46106	CC	AA	1940455363
SNP_P1_193039_46114	NW_004515967.1	Scaffold515	46114	AA	GG	1940455364
SNP_P1_193040_46299	NW_004515967.1	Scaffold515	46299	AA	CC	1940455365
SNP_P1_193041_46326	NW_004515967.1	Scaffold515	46326	CC	TT	1940455366
SNP_P1_193042_46332	NW_004515967.1	Scaffold515	46332	TT	GG	1940455367
SNP_P1_193043_46358	NW_004515967.1	Scaffold515	46358	TT	CC	1940455368
SNP_P1_193044_46374	NW_004515967.1	Scaffold515	46374	AA	GG	1940455369
SNP_P1_193045_46398	NW_004515967.1	Scaffold515	46398	TT	CC	1940455370
SNP_P1_193046_46421	NW_004515967.1	Scaffold515	46421	CC	AA	1940455371
SNP_P1_193047_46452	NW_004515967.1	Scaffold515	46452	CC	TT	1940455372
SNP_P1_193048_46465	NW_004515967.1	Scaffold515	46465	GG	CC	1940455373
SNP_P1_193049_46496	NW_004515967.1	Scaffold515	46496	AA	CC	1940455374
SNP_P1_193050_46861	NW_004515967.1	Scaffold515	46861	CC	AA	1940455375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_193051_47021	NW_004515967.1	Scaffold515	47021	CC	GG	1940455376
SNP_P1_193052_47215	NW_004515967.1	Scaffold515	47215	CC	TT	1940455377
SNP_P1_193053_47251	NW_004515967.1	Scaffold515	47251	CC	TT	1940455378
SNP_P1_193054_47279	NW_004515967.1	Scaffold515	47279	CC	TT	1940455379
SNP_P1_193055_47326	NW_004515967.1	Scaffold515	47326	TT	GG	1940455380
SNP_P1_193056_47356	NW_004515967.1	Scaffold515	47356	AA	GG	1940455381
SNP_P1_193057_47430	NW_004515967.1	Scaffold515	47430	GG	AA	1940455382
SNP_P1_193058_47434	NW_004515967.1	Scaffold515	47434	CC	GG	1940455383
SNP_P1_193059_47565	NW_004515967.1	Scaffold515	47565	GG	AA	1940455384
SNP_P1_193060_47620	NW_004515967.1	Scaffold515	47620	CC	TT	1940455385
SNP_P1_193061_58836	NW_004515967.1	Scaffold515	58836	CC	GG	1940455386
SNP_P1_193062_60171	NW_004515967.1	Scaffold515	60171	AA	CC	1940455387
SNP_P1_193063_60210	NW_004515967.1	Scaffold515	60210	CC	TT	1940455388
SNP_P1_193064_60984	NW_004515967.1	Scaffold515	60984	TT	AA	1940455389
SNP_P1_193065_60997	NW_004515967.1	Scaffold515	60997	TT	AA	1940455390
SNP_P1_193066_61007	NW_004515967.1	Scaffold515	61007	TT	AA	1940455391
SNP_P1_193067_61084	NW_004515967.1	Scaffold515	61084	AA	GG	1940455392
SNP_P1_193068_61129	NW_004515967.1	Scaffold515	61129	TT	AA	1940455393
SNP_P1_193069_61134	NW_004515967.1	Scaffold515	61134	TT	AA	1940455394
SNP_P1_193070_61285	NW_004515967.1	Scaffold515	61285	GG	AA	1940455395
SNP_P1_193071_61521	NW_004515967.1	Scaffold515	61521	GG	CC	1940455396
SNP_P1_193072_61571	NW_004515967.1	Scaffold515	61571	CC	TT	1940455397
SNP_P1_193073_61578	NW_004515967.1	Scaffold515	61578	TT	CC	1940455398
SNP_P1_193074_61585	NW_004515967.1	Scaffold515	61585	AA	CC	1940455399
SNP_P1_193075_61624	NW_004515967.1	Scaffold515	61624	TT	GG	1940455400
SNP_P1_193077_61835	NW_004515967.1	Scaffold515	61835	GG	AA	1940455401
SNP_P1_193078_61917	NW_004515967.1	Scaffold515	61917	CC	AA	1940455402
SNP_P1_193079_61950	NW_004515967.1	Scaffold515	61950	GG	AA	1940455403
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SNP_P1_193081_62034	NW_004515967.1	Scaffold515	62034	AA	GG	1940455405
SNP_P1_193082_62055	NW_004515967.1	Scaffold515	62055	CC	TT	1940455406
SNP_P1_193083_62056	NW_004515967.1	Scaffold515	62056	TT	CC	1940455407
SNP_P1_193084_62090	NW_004515967.1	Scaffold515	62090	AA	GG	1940455408
SNP_P1_193085_62138	NW_004515967.1	Scaffold515	62138	AA	TT	1940455409
SNP_P1_193086_62139	NW_004515967.1	Scaffold515	62139	CC	TT	1940455410
SNP_P1_193087_62152	NW_004515967.1	Scaffold515	62152	GG	AA	1940455411
SNP_P1_193088_62296	NW_004515967.1	Scaffold515	62296	TT	AA	1940455412
SNP_P1_193089_62311	NW_004515967.1	Scaffold515	62311	CC	GG	1940455413
SNP_P1_193090_62354	NW_004515967.1	Scaffold515	62354	AA	TT	1940455414
SNP_P1_193091_62381	NW_004515967.1	Scaffold515	62381	CC	GG	1940455415
SNP_P1_193092_62457	NW_004515967.1	Scaffold515	62457	CC	TT	1940455416
SNP_P1_193093_63066	NW_004515967.1	Scaffold515	63066	CC	GG	1940455417

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_193094_63223	NW_004515967.1	Scaffold515	63223	TT	AA	1940455418
SNP_P1_193095_63929	NW_004515967.1	Scaffold515	63929	TT	CC	1940455419
SNP_P1_193096_71949	NW_004515967.1	Scaffold515	71949	TT	CC	1940455420
SNP_P1_193097_72678	NW_004515967.1	Scaffold515	72678	AA	CC	1940455421
SNP_P1_193098_72680	NW_004515967.1	Scaffold515	72680	GG	AA	1940455422
SNP_P1_193099_72685	NW_004515967.1	Scaffold515	72685	GG	AA	1940455423
SNP_P1_193100_72686	NW_004515967.1	Scaffold515	72686	AA	GG	1940455424
SNP_P1_193101_72722	NW_004515967.1	Scaffold515	72722	CC	AA	1940455425
SNP_P1_193102_72733	NW_004515967.1	Scaffold515	72733	TT	CC	1940455426
SNP_P1_193103_72736	NW_004515967.1	Scaffold515	72736	GG	AA	1940455427
SNP_P1_193104_72756	NW_004515967.1	Scaffold515	72756	TT	CC	1940455428
SNP_P1_193105_72786	NW_004515967.1	Scaffold515	72786	AA	CC	1940455429
SNP_P1_193106_72806	NW_004515967.1	Scaffold515	72806	TT	CC	1940455430
SNP_P1_193107_72843	NW_004515967.1	Scaffold515	72843	TT	GG	1940455431
SNP_P1_193108_73028	NW_004515967.1	Scaffold515	73028	CC	TT	1940455432
SNP_P1_193109_73162	NW_004515967.1	Scaffold515	73162	GG	AA	1940455433
SNP_P1_193110_74593	NW_004515967.1	Scaffold515	74593	AA	CC	1940455434
SNP_P1_193111_74881	NW_004515967.1	Scaffold515	74881	GG	AA	1940455435
SNP_P1_193112_74891	NW_004515967.1	Scaffold515	74891	CC	TT	1940455436
SNP_P1_193113_74954	NW_004515967.1	Scaffold515	74954	CC	TT	1940455437
SNP_P1_193114_75101	NW_004515967.1	Scaffold515	75101	CC	AA	1940455438
SNP_P1_193115_75223	NW_004515967.1	Scaffold515	75223	AA	TT	1940455439
SNP_P1_193116_78837	NW_004515967.1	Scaffold515	78837	TT	GG	1940455440
SNP_P1_193117_82556	NW_004515967.1	Scaffold515	82556	TT	CC	1940455441
SNP_P1_193118_82569	NW_004515967.1	Scaffold515	82569	TT	GG	1940455442
SNP_P1_193119_82978	NW_004515967.1	Scaffold515	82978	TT	GG	1940455443
SNP_P1_193120_89350	NW_004515967.1	Scaffold515	89350	AA	GG	1940455444
SNP_P1_193121_90982	NW_004515967.1	Scaffold515	90982	CC	AA	1940455445
SNP_P1_193122_92005	NW_004515967.1	Scaffold515	92005	AA	GG	1940455446
SNP_P1_193123_92332	NW_004515967.1	Scaffold515	92332	AA	TT	1940455447
SNP_P1_193124_92335	NW_004515967.1	Scaffold515	92335	TT	CC	1940455448
SNP_P1_193125_97131	NW_004515967.1	Scaffold515	97131	AA	GG	1940455449
SNP_P1_193126_100466	NW_004515967.1	Scaffold515	100466	AA	GG	1940455450
SNP_P1_193127_108357	NW_004515967.1	Scaffold515	108357	TT	CC	1940455451
SNP_P1_193128_114225	NW_004515967.1	Scaffold515	114225	GG	AA	1940455452
SNP_P1_193129_114243	NW_004515967.1	Scaffold515	114243	AA	CC	1940455453
SNP_P1_193130_116290	NW_004515967.1	Scaffold515	116290	CC	AA	1940455454
SNP_P1_193131_132468	NW_004515967.1	Scaffold515	132468	CC	TT	1940455455
SNP_P1_193132_137280	NW_004515967.1	Scaffold515	137280	GG	CC	1940455456
SNP_P1_193133_137905	NW_004515967.1	Scaffold515	137905	TT	GG	1940455457
SNP_P1_193134_137939	NW_004515967.1	Scaffold515	137939	GG	CC	1940455458
SNP_P1_193135_145392	NW_004515967.1	Scaffold515	145392	AA	GG	1940455459

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SNP_P1_193136_152136	NW_004515967.1	Scaffold515	152136	AA	GG	1940455460
SNP_P1_193137_152154	NW_004515967.1	Scaffold515	152154	GG	AA	1940455461
SNP_P1_193138_152323	NW_004515967.1	Scaffold515	152323	GG	AA	1940455462
SNP_P1_193140_155729	NW_004515967.1	Scaffold515	155729	GG	AA	1940455463
SNP_P1_193141_160768	NW_004515967.1	Scaffold515	160768	GG	AA	1940455464
SNP_P1_193142_165741	NW_004515967.1	Scaffold515	165741	CC	TT	1940455465
SNP_P1_193143_165742	NW_004515967.1	Scaffold515	165742	AA	TT	1940455466
SNP_P1_193144_170604	NW_004515967.1	Scaffold515	170604	AA	CC	1940455467
SNP_P1_193145_171486	NW_004515967.1	Scaffold515	171486	TT	CC	1940455468
SNP_P1_193146_171526	NW_004515967.1	Scaffold515	171526	AA	GG	1940455469
SNP_P1_193147_173985	NW_004515967.1	Scaffold515	173985	TT	AA	1940455470
SNP_P1_193148_173994	NW_004515967.1	Scaffold515	173994	TT	CC	1940455471
SNP_P1_193149_174048	NW_004515967.1	Scaffold515	174048	TT	GG	1940455472
SNP_P1_193150_174140	NW_004515967.1	Scaffold515	174140	AA	TT	1940455473
SNP_P1_193151_174441	NW_004515967.1	Scaffold515	174441	TT	CC	1940455474
SNP_P1_193152_174901	NW_004515967.1	Scaffold515	174901	AA	TT	1940455475
SNP_P1_193153_174920	NW_004515967.1	Scaffold515	174920	GG	AA	1940455476
SNP_P1_193154_174972	NW_004515967.1	Scaffold515	174972	TT	GG	1940455477
SNP_P1_193155_175278	NW_004515967.1	Scaffold515	175278	GG	TT	1940455478
SNP_P1_193156_187504	NW_004515967.1	Scaffold515	187504	CC	AA	1940455479
SNP_P1_193157_189609	NW_004515967.1	Scaffold515	189609	CC	TT	1940455480
SNP_P1_193158_189853	NW_004515967.1	Scaffold515	189853	TT	AA	1940455481
SNP_P1_193159_189892	NW_004515967.1	Scaffold515	189892	AA	TT	1940455482
SNP_P1_193160_194155	NW_004515967.1	Scaffold515	194155	TT	CC	1940455483
SNP_P1_193161_194615	NW_004515967.1	Scaffold515	194615	CC	AA	1940455484
SNP_P1_193162_194623	NW_004515967.1	Scaffold515	194623	CC	GG	1940455485
SNP_P1_193163_194624	NW_004515967.1	Scaffold515	194624	CC	AA	1940455486
SNP_P1_193164_194671	NW_004515967.1	Scaffold515	194671	GG	AA	1940455487
SNP_P1_193165_194689	NW_004515967.1	Scaffold515	194689	AA	CC	1940455488
SNP_P1_193166_194934	NW_004515967.1	Scaffold515	194934	TT	GG	1940455489
SNP_P1_193167_195030	NW_004515967.1	Scaffold515	195030	AA	CC	1940455490
SNP_P1_193168_195302	NW_004515967.1	Scaffold515	195302	GG	AA	1940455491
SNP_P1_193169_198071	NW_004515967.1	Scaffold515	198071	TT	AA	1940455492
SNP_P1_193170_198085	NW_004515967.1	Scaffold515	198085	AA	GG	1940455493
SNP_P1_193171_198405	NW_004515967.1	Scaffold515	198405	AA	TT	1940455494
SNP_P1_193172_198409	NW_004515967.1	Scaffold515	198409	TT	CC	1940455495
SNP_P1_193173_198437	NW_004515967.1	Scaffold515	198437	AA	TT	1940455496
SNP_P1_193174_198459	NW_004515967.1	Scaffold515	198459	GG	AA	1940455497
SNP_P1_193175_198476	NW_004515967.1	Scaffold515	198476	TT	CC	1940455499
SNP_P1_193176_198504	NW_004515967.1	Scaffold515	198504	CC	TT	1940455500
SNP_P1_193177_198588	NW_004515967.1	Scaffold515	198588	TT	CC	1940455501
SNP_P1_193178_198749	NW_004515967.1	Scaffold515	198749	AA	GG	1940455502

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SNP_P1_193180_198993	NW_004515967.1	Scaffold515	198993	TT	CC	1940455504
SNP_P1_193181_199194	NW_004515967.1	Scaffold515	199194	AA	GG	1940455505
SNP_P1_193182_199319	NW_004515967.1	Scaffold515	199319	AA	GG	1940455506
SNP_P1_193183_199324	NW_004515967.1	Scaffold515	199324	GG	AA	1940455507
SNP_P1_193184_199411	NW_004515967.1	Scaffold515	199411	TT	AA	1940455508
SNP_P1_193185_207019	NW_004515967.1	Scaffold515	207019	CC	TT	1940455509
SNP_P1_193186_208751	NW_004515967.1	Scaffold515	208751	CC	TT	1940455510
SNP_P1_193187_213228	NW_004515967.1	Scaffold515	213228	AA	TT	1940455511
SNP_P1_193188_213231	NW_004515967.1	Scaffold515	213231	GG	CC	1940455512
SNP_P1_193189_213235	NW_004515967.1	Scaffold515	213235	GG	AA	1940455513
SNP_P1_193191_216714	NW_004515967.1	Scaffold515	216714	GG	CC	1940455514
SNP_P1_193192_216811	NW_004515967.1	Scaffold515	216811	AA	GG	1940455515
SNP_P1_193193_216943	NW_004515967.1	Scaffold515	216943	CC	TT	1940455516
SNP_P1_193194_216991	NW_004515967.1	Scaffold515	216991	GG	AA	1940455517
SNP_P1_193195_217073	NW_004515967.1	Scaffold515	217073	GG	AA	1940455518
SNP_P1_193196_224762	NW_004515967.1	Scaffold515	224762	AA	GG	1940455519
SNP_P1_193198_224848	NW_004515967.1	Scaffold515	224848	GG	CC	1940455520
SNP_P1_193199_225035	NW_004515967.1	Scaffold515	225035	CC	TT	1940455521
SNP_P1_193200_225044	NW_004515967.1	Scaffold515	225044	TT	CC	1940455522
SNP_P1_193201_225047	NW_004515967.1	Scaffold515	225047	TT	AA	1940455523
SNP_P1_193202_225060	NW_004515967.1	Scaffold515	225060	TT	CC	1940455524
SNP_P1_193203_233189	NW_004515967.1	Scaffold515	233189	CC	TT	1940455525
SNP_P1_193204_233283	NW_004515967.1	Scaffold515	233283	TT	CC	1940455526
SNP_P1_193205_233380	NW_004515967.1	Scaffold515	233380	CC	AA	1940455527
SNP_P1_193206_234979	NW_004515967.1	Scaffold515	234979	GG	AA	1940455528
SNP_P1_193207_235053	NW_004515967.1	Scaffold515	235053	AA	GG	1940455529
SNP_P1_193208_235325	NW_004515967.1	Scaffold515	235325	TT	AA	1940455530
SNP_P1_193209_235393	NW_004515967.1	Scaffold515	235393	AA	TT	1940455531
SNP_P1_193211_235439	NW_004515967.1	Scaffold515	235439	AA	GG	1940455532
SNP_P1_193212_235449	NW_004515967.1	Scaffold515	235449	AA	CC	1940455533
SNP_P1_193213_235534	NW_004515967.1	Scaffold515	235534	GG	AA	1940455534
SNP_P1_193214_239718	NW_004515967.1	Scaffold515	239718	AA	GG	1940455535
SNP_P1_193215_242099	NW_004515967.1	Scaffold515	242099	TT	CC	1940455536
SNP_P1_193216_242138	NW_004515967.1	Scaffold515	242138	TT	CC	1940455537
SNP_P1_193218_242331	NW_004515967.1	Scaffold515	242331	AA	GG	1940455538
SNP_P1_193219_242483	NW_004515967.1	Scaffold515	242483	AA	CC	1940455539
SNP_P1_193220_258096	NW_004515967.1	Scaffold515	258096	CC	TT	1940455540
SNP_P1_193221_265906	NW_004515967.1	Scaffold515	265906	AA	GG	1940455541
SNP_P1_193222_266007	NW_004515967.1	Scaffold515	266007	GG	AA	1940455542
SNP_P1_193223_266108	NW_004515967.1	Scaffold515	266108	GG	TT	1940455543
SNP_P1_193224_266178	NW_004515967.1	Scaffold515	266178	AA	TT	1940455544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_193226_266468	NW_004515967.1	Scaffold515	266468	GG	AA	1940455545
SNP_P1_193227_270545	NW_004515967.1	Scaffold515	270545	AA	GG	1940455546
SNP_P1_193228_270602	NW_004515967.1	Scaffold515	270602	AA	TT	1940455547
SNP_P1_193229_272482	NW_004515967.1	Scaffold515	272482	TT	CC	1940455548
SNP_P1_193230_273655	NW_004515967.1	Scaffold515	273655	AA	TT	1940455549
SNP_P1_193231_275498	NW_004515967.1	Scaffold515	275498	TT	GG	1940455550
SNP_P1_193232_276985	NW_004515967.1	Scaffold515	276985	GG	AA	1940455551
SNP_P1_193233_277054	NW_004515967.1	Scaffold515	277054	AA	GG	1940455552
SNP_P1_193234_277188	NW_004515967.1	Scaffold515	277188	CC	TT	1940455553
SNP_P1_193235_277258	NW_004515967.1	Scaffold515	277258	TT	CC	1940455554
SNP_P1_193236_277323	NW_004515967.1	Scaffold515	277323	TT	GG	1940455555
SNP_P1_193237_277336	NW_004515967.1	Scaffold515	277336	TT	AA	1940455556
SNP_P1_193238_277374	NW_004515967.1	Scaffold515	277374	AA	GG	1940455557
SNP_P1_193239_277378	NW_004515967.1	Scaffold515	277378	AA	CC	1940455558
SNP_P1_193240_281074	NW_004515967.1	Scaffold515	281074	CC	GG	1940455559
SNP_P1_193241_281094	NW_004515967.1	Scaffold515	281094	CC	AA	1940455560
SNP_P1_193242_281115	NW_004515967.1	Scaffold515	281115	CC	AA	1940455561
SNP_P1_193243_281490	NW_004515967.1	Scaffold515	281490	CC	TT	1940455562
SNP_P1_193244_293	NW_004515968.1	Scaffold520	293	AA	GG	1940455563
SNP_P1_193245_368	NW_004515968.1	Scaffold520	368	CC	TT	1940455564
SNP_P1_193246_670	NW_004515968.1	Scaffold520	670	AA	GG	1940455565
SNP_P1_193247_700	NW_004515968.1	Scaffold520	700	CC	AA	1940455566
SNP_P1_193248_717	NW_004515968.1	Scaffold520	717	TT	GG	1940455567
SNP_P1_193249_718	NW_004515968.1	Scaffold520	718	AA	TT	1940455568
SNP_P1_193250_738	NW_004515968.1	Scaffold520	738	AA	GG	1940455569
SNP_P1_193251_1022	NW_004515968.1	Scaffold520	1022	TT	AA	1940455570
SNP_P1_193252_5401	NW_004515968.1	Scaffold520	5401	CC	GG	1940455571
SNP_P1_193253_7388	NW_004515968.1	Scaffold520	7388	CC	GG	1940455572
SNP_P1_193254_21554	NW_004515968.1	Scaffold520	21554	CC	TT	1940455573
SNP_P1_193255_21600	NW_004515968.1	Scaffold520	21600	CC	TT	1940455574
SNP_P1_193256_21607	NW_004515968.1	Scaffold520	21607	AA	TT	1940455575
SNP_P1_193257_21619	NW_004515968.1	Scaffold520	21619	AA	GG	1940455576
SNP_P1_193258_21621	NW_004515968.1	Scaffold520	21621	TT	GG	1940455577
SNP_P1_193260_22039	NW_004515968.1	Scaffold520	22039	CC	GG	1940455578
SNP_P1_193261_22087	NW_004515968.1	Scaffold520	22087	CC	TT	1940455579
SNP_P1_193262_22159	NW_004515968.1	Scaffold520	22159	GG	AA	1940455580
SNP_P1_193263_22162	NW_004515968.1	Scaffold520	22162	TT	CC	1940455581
SNP_P1_193264_22194	NW_004515968.1	Scaffold520	22194	AA	GG	1940455582
SNP_P1_193265_25803	NW_004515968.1	Scaffold520	25803	TT	GG	1940455583
SNP_P1_193266_26319	NW_004515968.1	Scaffold520	26319	AA	GG	1940455584
SNP_P1_193267_26320	NW_004515968.1	Scaffold520	26320	AA	TT	1940455585
SNP_P1_193268_29885	NW_004515968.1	Scaffold520	29885	AA	GG	1940455586

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_193269_29925	NW_004515968.1	Scaffold520	29925	AA	GG	1940455587
SNP_P1_193270_30605	NW_004515968.1	Scaffold520	30605	GG	TT	1940455588
SNP_P1_193271_31012	NW_004515968.1	Scaffold520	31012	AA	CC	1940455589
SNP_P1_193272_33922	NW_004515968.1	Scaffold520	33922	AA	TT	1940455590
SNP_P1_193273_33926	NW_004515968.1	Scaffold520	33926	AA	TT	1940455591
SNP_P1_193274_33939	NW_004515968.1	Scaffold520	33939	CC	GG	1940455592
SNP_P1_193275_33949	NW_004515968.1	Scaffold520	33949	GG	AA	1940455593
SNP_P1_193276_33991	NW_004515968.1	Scaffold520	33991	TT	AA	1940455594
SNP_P1_193277_34245	NW_004515968.1	Scaffold520	34245	TT	GG	1940455595
SNP_P1_193278_34270	NW_004515968.1	Scaffold520	34270	AA	TT	1940455596
SNP_P1_193279_37545	NW_004515968.1	Scaffold520	37545	AA	TT	1940455597
SNP_P1_193280_42692	NW_004515968.1	Scaffold520	42692	TT	CC	1940455598
SNP_P1_193281_60910	NW_004515968.1	Scaffold520	60910	GG	TT	1940455599
SNP_P1_193282_66621	NW_004515968.1	Scaffold520	66621	CC	TT	1940455600
SNP_P1_193283_71627	NW_004515968.1	Scaffold520	71627	TT	AA	1940455601
SNP_P1_193284_71973	NW_004515968.1	Scaffold520	71973	AA	TT	1940455602
SNP_P1_193285_77315	NW_004515968.1	Scaffold520	77315	GG	TT	1940455603
SNP_P1_193286_77322	NW_004515968.1	Scaffold520	77322	CC	GG	1940455604
SNP_P1_193287_77509	NW_004515968.1	Scaffold520	77509	TT	CC	1940455605
SNP_P1_193288_77524	NW_004515968.1	Scaffold520	77524	TT	GG	1940455606
SNP_P1_193289_78435	NW_004515968.1	Scaffold520	78435	AA	TT	1940455607
SNP_P1_193290_80718	NW_004515968.1	Scaffold520	80718	CC	TT	1940455608
SNP_P1_193291_87141	NW_004515968.1	Scaffold520	87141	TT	CC	1940455609
SNP_P1_193292_87436	NW_004515968.1	Scaffold520	87436	TT	AA	1940455610
SNP_P1_193294_105674	NW_004515968.1	Scaffold520	105674	GG	AA	1940455611
SNP_P1_193295_109209	NW_004515968.1	Scaffold520	109209	CC	GG	1940455612
SNP_P1_193296_109269	NW_004515968.1	Scaffold520	109269	AA	CC	1940455613
SNP_P1_193297_109303	NW_004515968.1	Scaffold520	109303	AA	TT	1940455614
SNP_P1_193298_113492	NW_004515968.1	Scaffold520	113492	GG	TT	1940455615
SNP_P1_193299_120018	NW_004515968.1	Scaffold520	120018	TT	CC	1940455616
SNP_P1_193300_120171	NW_004515968.1	Scaffold520	120171	TT	AA	1940455617
SNP_P1_193301_120175	NW_004515968.1	Scaffold520	120175	GG	CC	1940455618
SNP_P1_193302_120236	NW_004515968.1	Scaffold520	120236	TT	CC	1940455619
SNP_P1_193303_120422	NW_004515968.1	Scaffold520	120422	CC	TT	1940455620
SNP_P1_193304_120436	NW_004515968.1	Scaffold520	120436	TT	CC	1940455621
SNP_P1_193305_120443	NW_004515968.1	Scaffold520	120443	CC	GG	1940455622
SNP_P1_193306_120504	NW_004515968.1	Scaffold520	120504	AA	TT	1940455623
SNP_P1_193307_120511	NW_004515968.1	Scaffold520	120511	TT	CC	1940455624
SNP_P1_193308_120517	NW_004515968.1	Scaffold520	120517	TT	AA	1940455625
SNP_P1_193309_120520	NW_004515968.1	Scaffold520	120520	TT	CC	1940455626
SNP_P1_193310_120547	NW_004515968.1	Scaffold520	120547	AA	GG	1940455627
SNP_P1_193311_120564	NW_004515968.1	Scaffold520	120564	AA	TT	1940455628

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SNP_P1_193312_120577	NW_004515968.1	Scaffold520	120577	GG	AA	1940455629
SNP_P1_193314_129703	NW_004515968.1	Scaffold520	129703	TT	AA	1940455630
SNP_P1_193315_129866	NW_004515968.1	Scaffold520	129866	AA	TT	1940455631
SNP_P1_193316_134442	NW_004515968.1	Scaffold520	134442	TT	CC	1940455632
SNP_P1_193317_135054	NW_004515968.1	Scaffold520	135054	AA	CC	1940455633
SNP_P1_193318_136393	NW_004515968.1	Scaffold520	136393	GG	AA	1940455634
SNP_P1_193319_138884	NW_004515968.1	Scaffold520	138884	TT	CC	1940455635
SNP_P1_193320_142687	NW_004515968.1	Scaffold520	142687	CC	TT	1940455636
SNP_P1_193321_142696	NW_004515968.1	Scaffold520	142696	TT	CC	1940455637
SNP_P1_193322_142698	NW_004515968.1	Scaffold520	142698	GG	AA	1940455638
SNP_P1_193323_142722	NW_004515968.1	Scaffold520	142722	CC	AA	1940455639
SNP_P1_193324_142888	NW_004515968.1	Scaffold520	142888	TT	CC	1940455640
SNP_P1_193325_142926	NW_004515968.1	Scaffold520	142926	TT	CC	1940455641
SNP_P1_193326_142968	NW_004515968.1	Scaffold520	142968	CC	TT	1940455642
SNP_P1_193327_142997	NW_004515968.1	Scaffold520	142997	GG	AA	1940455643
SNP_P1_193328_143120	NW_004515968.1	Scaffold520	143120	TT	CC	1940455644
SNP_P1_193330_143231	NW_004515968.1	Scaffold520	143231	TT	CC	1940455645
SNP_P1_193331_143294	NW_004515968.1	Scaffold520	143294	GG	AA	1940455646
SNP_P1_193332_143339	NW_004515968.1	Scaffold520	143339	AA	GG	1940455647
SNP_P1_193333_143377	NW_004515968.1	Scaffold520	143377	TT	CC	1940455648
SNP_P1_193334_143424	NW_004515968.1	Scaffold520	143424	CC	GG	1940455649
SNP_P1_193335_150334	NW_004515968.1	Scaffold520	150334	TT	AA	1940455650
SNP_P1_193336_154104	NW_004515968.1	Scaffold520	154104	AA	GG	1940455651
SNP_P1_193337_154183	NW_004515968.1	Scaffold520	154183	AA	GG	1940455652
SNP_P1_193339_155499	NW_004515968.1	Scaffold520	155499	CC	TT	1940455653
SNP_P1_193340_160841	NW_004515968.1	Scaffold520	160841	GG	TT	1940455654
SNP_P1_193341_160972	NW_004515968.1	Scaffold520	160972	TT	GG	1940455655
SNP_P1_193342_161019	NW_004515968.1	Scaffold520	161019	GG	AA	1940455656
SNP_P1_193343_161119	NW_004515968.1	Scaffold520	161119	AA	GG	1940455657
SNP_P1_193344_161449	NW_004515968.1	Scaffold520	161449	GG	TT	1940455658
SNP_P1_193345_161523	NW_004515968.1	Scaffold520	161523	CC	TT	1940455660
SNP_P1_193346_161551	NW_004515968.1	Scaffold520	161551	CC	TT	1940455661
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SNP_P1_193348_161763	NW_004515968.1	Scaffold520	161763	CC	TT	1940455663
SNP_P1_193349_161868	NW_004515968.1	Scaffold520	161868	GG	AA	1940455664
SNP_P1_193350_165489	NW_004515968.1	Scaffold520	165489	TT	CC	1940455665
SNP_P1_193351_165495	NW_004515968.1	Scaffold520	165495	TT	CC	1940455666
SNP_P1_193352_165497	NW_004515968.1	Scaffold520	165497	AA	GG	1940455667
SNP_P1_193353_165763	NW_004515968.1	Scaffold520	165763	GG	TT	1940455668
SNP_P1_193354_165835	NW_004515968.1	Scaffold520	165835	TT	AA	1940455669
SNP_P1_193355_165860	NW_004515968.1	Scaffold520	165860	GG	TT	1940455670
SNP_P1_193356_167828	NW_004515968.1	Scaffold520	167828	AA	GG	1940455671

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SNP_P1_193357_167957	NW_004515968.1	Scaffold520	167957	AA	TT	1940455672
SNP_P1_193358_168084	NW_004515968.1	Scaffold520	168084	TT	CC	1940455673
SNP_P1_193359_182237	NW_004515968.1	Scaffold520	182237	GG	AA	1940455674
SNP_P1_193360_200371	NW_004515968.1	Scaffold520	200371	TT	AA	1940455675
SNP_P1_193361_200379	NW_004515968.1	Scaffold520	200379	AA	CC	1940455676
SNP_P1_193362_200920	NW_004515968.1	Scaffold520	200920	CC	GG	1940455677
SNP_P1_193363_227738	NW_004515968.1	Scaffold520	227738	GG	AA	1940455678
SNP_P1_193364_229857	NW_004515968.1	Scaffold520	229857	TT	CC	1940455679
SNP_P1_193365_229860	NW_004515968.1	Scaffold520	229860	AA	GG	1940455680
SNP_P1_193366_229870	NW_004515968.1	Scaffold520	229870	AA	CC	1940455681
SNP_P1_193367_230645	NW_004515968.1	Scaffold520	230645	TT	AA	1940455682
SNP_P1_193368_230646	NW_004515968.1	Scaffold520	230646	GG	TT	1940455683
SNP_P1_193369_230720	NW_004515968.1	Scaffold520	230720	TT	CC	1940455684
SNP_P1_193370_230748	NW_004515968.1	Scaffold520	230748	GG	AA	1940455685
SNP_P1_193371_230799	NW_004515968.1	Scaffold520	230799	AA	GG	1940455686
SNP_P1_193372_230800	NW_004515968.1	Scaffold520	230800	CC	TT	1940455687
SNP_P1_193373_230820	NW_004515968.1	Scaffold520	230820	AA	TT	1940455688
SNP_P1_193374_230828	NW_004515968.1	Scaffold520	230828	GG	AA	1940455689
SNP_P1_193375_230856	NW_004515968.1	Scaffold520	230856	CC	AA	1940455690
SNP_P1_193376_231856	NW_004515968.1	Scaffold520	231856	GG	AA	1940455691
SNP_P1_193377_231930	NW_004515968.1	Scaffold520	231930	CC	GG	1940455692
SNP_P1_193378_12444	NW_004515969.1	Scaffold523	12444	AA	CC	1940455693
SNP_P1_193379_12490	NW_004515969.1	Scaffold523	12490	CC	AA	1940455694
SNP_P1_193380_12526	NW_004515969.1	Scaffold523	12526	TT	CC	1940455695
SNP_P1_193382_12632	NW_004515969.1	Scaffold523	12632	CC	AA	1940455696
SNP_P1_193383_12844	NW_004515969.1	Scaffold523	12844	GG	AA	1940455697
SNP_P1_193384_14163	NW_004515969.1	Scaffold523	14163	TT	CC	1940455698
SNP_P1_193385_14235	NW_004515969.1	Scaffold523	14235	AA	GG	1940455699
SNP_P1_193386_14261	NW_004515969.1	Scaffold523	14261	AA	CC	1940455700
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SNP_P1_193388_14300	NW_004515969.1	Scaffold523	14300	CC	AA	1940455702
SNP_P1_193389_14519	NW_004515969.1	Scaffold523	14519	CC	AA	1940455703
SNP_P1_193390_14539	NW_004515969.1	Scaffold523	14539	TT	CC	1940455704
SNP_P1_193391_14560	NW_004515969.1	Scaffold523	14560	AA	CC	1940455705
SNP_P1_193392_14589	NW_004515969.1	Scaffold523	14589	GG	AA	1940455706
SNP_P1_193393_14604	NW_004515969.1	Scaffold523	14604	TT	CC	1940455707
SNP_P1_193394_14606	NW_004515969.1	Scaffold523	14606	AA	CC	1940455708
SNP_P1_193395_14617	NW_004515969.1	Scaffold523	14617	AA	GG	1940455709
SNP_P1_193396_14753	NW_004515969.1	Scaffold523	14753	GG	AA	1940455710
SNP_P1_193397_17111	NW_004515969.1	Scaffold523	17111	CC	TT	1940455711
SNP_P1_193398_17232	NW_004515969.1	Scaffold523	17232	TT	AA	1940455712
SNP_P1_193399_38905	NW_004515969.1	Scaffold523	38905	CC	TT	1940455713

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_193401_7187	NW_004515971.1	Scaffold526	7187	TT	GG	1940455715
SNP_P1_193402_7200	NW_004515971.1	Scaffold526	7200	GG	TT	1940455716
SNP_P1_193403_7206	NW_004515971.1	Scaffold526	7206	TT	GG	1940455717
SNP_P1_193404_27417	NW_004515971.1	Scaffold526	27417	AA	TT	1940455718
SNP_P1_193405_27423	NW_004515971.1	Scaffold526	27423	GG	TT	1940455719
SNP_P1_193406_27425	NW_004515971.1	Scaffold526	27425	GG	TT	1940455720
SNP_P1_193407_27433	NW_004515971.1	Scaffold526	27433	CC	TT	1940455721
SNP_P1_193408_27434	NW_004515971.1	Scaffold526	27434	AA	TT	1940455722
SNP_P1_193409_27436	NW_004515971.1	Scaffold526	27436	TT	AA	1940455723
SNP_P1_193410_31458	NW_004515971.1	Scaffold526	31458	TT	GG	1940455724
SNP_P1_193411_32818	NW_004515971.1	Scaffold526	32818	TT	GG	1940455725
SNP_P1_193412_32877	NW_004515971.1	Scaffold526	32877	TT	AA	1940455726
SNP_P1_193413_33153	NW_004515971.1	Scaffold526	33153	GG	AA	1940455727
SNP_P1_193414_35637	NW_004515971.1	Scaffold526	35637	GG	TT	1940455728
SNP_P1_193415_38434	NW_004515971.1	Scaffold526	38434	GG	TT	1940455729
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SNP_P1_193417_45271	NW_004515971.1	Scaffold526	45271	TT	CC	1940455731
SNP_P1_193418_45319	NW_004515971.1	Scaffold526	45319	CC	TT	1940455732
SNP_P1_193419_45320	NW_004515971.1	Scaffold526	45320	TT	CC	1940455733
SNP_P1_193420_46335	NW_004515971.1	Scaffold526	46335	GG	CC	1940455734
SNP_P1_193421_47041	NW_004515971.1	Scaffold526	47041	TT	CC	1940455735
SNP_P1_193422_47043	NW_004515971.1	Scaffold526	47043	CC	TT	1940455736
SNP_P1_193423_47623	NW_004515971.1	Scaffold526	47623	TT	CC	1940455737
SNP_P1_193424_52011	NW_004515971.1	Scaffold526	52011	GG	CC	1940455738
SNP_P1_193425_58805	NW_004515971.1	Scaffold526	58805	TT	CC	1940455739
SNP_P1_193426_58831	NW_004515971.1	Scaffold526	58831	AA	TT	1940455740
SNP_P1_193427_58848	NW_004515971.1	Scaffold526	58848	AA	GG	1940455741
SNP_P1_193428_58852	NW_004515971.1	Scaffold526	58852	CC	GG	1940455742
SNP_P1_193429_58882	NW_004515971.1	Scaffold526	58882	AA	GG	1940455743
SNP_P1_193430_58929	NW_004515971.1	Scaffold526	58929	GG	AA	1940455744
SNP_P1_193431_58933	NW_004515971.1	Scaffold526	58933	TT	CC	1940455745
SNP_P1_193432_58980	NW_004515971.1	Scaffold526	58980	TT	AA	1940455746
SNP_P1_193433_58984	NW_004515971.1	Scaffold526	58984	AA	GG	1940455747
SNP_P1_193434_59293	NW_004515971.1	Scaffold526	59293	TT	CC	1940455748
SNP_P1_193435_59347	NW_004515971.1	Scaffold526	59347	AA	CC	1940455749
SNP_P1_193436_59353	NW_004515971.1	Scaffold526	59353	TT	AA	1940455750
SNP_P1_193437_59356	NW_004515971.1	Scaffold526	59356	GG	AA	1940455751
SNP_P1_193438_69738	NW_004515971.1	Scaffold526	69738	CC	AA	1940455752
SNP_P1_193439_70520	NW_004515971.1	Scaffold526	70520	TT	AA	1940455753
SNP_P1_193440_71126	NW_004515971.1	Scaffold526	71126	AA	GG	1940455754
SNP_P1_193441_71341	NW_004515971.1	Scaffold526	71341	AA	TT	1940455755

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_193442_71394	NW_004515971.1	Scaffold526	71394	TT	CC	1940455756
SNP_P1_193443_71540	NW_004515971.1	Scaffold526	71540	TT	AA	1940455757
SNP_P1_193444_71791	NW_004515971.1	Scaffold526	71791	AA	TT	1940455758
SNP_P1_193446_76478	NW_004515971.1	Scaffold526	76478	GG	CC	1940455759
SNP_P1_193447_76498	NW_004515971.1	Scaffold526	76498	TT	CC	1940455760
SNP_P1_193448_76521	NW_004515971.1	Scaffold526	76521	CC	AA	1940455761
SNP_P1_193449_79756	NW_004515971.1	Scaffold526	79756	CC	TT	1940455762
SNP_P1_193450_84322	NW_004515971.1	Scaffold526	84322	TT	GG	1940455763
SNP_P1_193451_84365	NW_004515971.1	Scaffold526	84365	AA	TT	1940455764
SNP_P1_193452_84397	NW_004515971.1	Scaffold526	84397	TT	AA	1940455765
SNP_P1_193453_84630	NW_004515971.1	Scaffold526	84630	TT	AA	1940455766
SNP_P1_193454_90867	NW_004515971.1	Scaffold526	90867	CC	AA	1940455767
SNP_P1_193455_91115	NW_004515971.1	Scaffold526	91115	GG	AA	1940455769
SNP_P1_193456_91154	NW_004515971.1	Scaffold526	91154	AA	TT	1940455770
SNP_P1_193457_92345	NW_004515971.1	Scaffold526	92345	AA	TT	1940455771
SNP_P1_193458_93003	NW_004515971.1	Scaffold526	93003	AA	GG	1940455772
SNP_P1_193459_93008	NW_004515971.1	Scaffold526	93008	CC	GG	1940455773
SNP_P1_193460_93011	NW_004515971.1	Scaffold526	93011	AA	GG	1940455774
SNP_P1_193461_93302	NW_004515971.1	Scaffold526	93302	AA	CC	1940455775
SNP_P1_193462_101130	NW_004515971.1	Scaffold526	101130	AA	TT	1940455776
SNP_P1_193463_104900	NW_004515971.1	Scaffold526	104900	GG	TT	1940455777
SNP_P1_193464_104997	NW_004515971.1	Scaffold526	104997	TT	CC	1940455778
SNP_P1_193465_105745	NW_004515971.1	Scaffold526	105745	GG	AA	1940455779
SNP_P1_193466_108022	NW_004515971.1	Scaffold526	108022	AA	GG	1940455780
SNP_P1_193467_108456	NW_004515971.1	Scaffold526	108456	TT	CC	1940455781
SNP_P1_193468_117995	NW_004515971.1	Scaffold526	117995	GG	AA	1940455782
SNP_P1_193469_127737	NW_004515971.1	Scaffold526	127737	AA	GG	1940455783
SNP_P1_193470_129142	NW_004515971.1	Scaffold526	129142	CC	TT	1940455784
SNP_P1_193471_130225	NW_004515971.1	Scaffold526	130225	CC	GG	1940455785
SNP_P1_193472_379	NW_004515972.1	Scaffold527	379	AA	GG	1940455786
SNP_P1_193473_672	NW_004515972.1	Scaffold527	672	GG	CC	1940455787
SNP_P1_193474_1179	NW_004515972.1	Scaffold527	1179	GG	AA	1940455788
SNP_P1_193475_1267	NW_004515972.1	Scaffold527	1267	AA	CC	1940455789
SNP_P1_193476_1744	NW_004515972.1	Scaffold527	1744	TT	CC	1940455790
SNP_P1_193477_1753	NW_004515972.1	Scaffold527	1753	AA	TT	1940455791
SNP_P1_193478_1850	NW_004515972.1	Scaffold527	1850	CC	TT	1940455792
SNP_P1_193479_1984	NW_004515972.1	Scaffold527	1984	CC	AA	1940455793
SNP_P1_193480_2037	NW_004515972.1	Scaffold527	2037	GG	AA	1940455794
SNP_P1_193481_2041	NW_004515972.1	Scaffold527	2041	GG	AA	1940455795
SNP_P1_193482_2092	NW_004515972.1	Scaffold527	2092	GG	AA	1940455796
SNP_P1_193483_2104	NW_004515972.1	Scaffold527	2104	TT	GG	1940455797
SNP_P1_193484_2110	NW_004515972.1	Scaffold527	2110	GG	AA	1940455798

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_193486_2145	NW_004515972.1	Scaffold527	2145	AA	GG	1940455800
SNP_P1_193487_2186	NW_004515972.1	Scaffold527	2186	AA	TT	1940455801
SNP_P1_193488_2187	NW_004515972.1	Scaffold527	2187	TT	CC	1940455802
SNP_P1_193489_2455	NW_004515972.1	Scaffold527	2455	GG	AA	1940455803
SNP_P1_193490_2520	NW_004515972.1	Scaffold527	2520	TT	GG	1940455804
SNP_P1_193491_2549	NW_004515972.1	Scaffold527	2549	TT	AA	1940455805
SNP_P1_193492_2554	NW_004515972.1	Scaffold527	2554	TT	CC	1940455806
SNP_P1_193493_2582	NW_004515972.1	Scaffold527	2582	GG	TT	1940455807
SNP_P1_193494_2688	NW_004515972.1	Scaffold527	2688	GG	AA	1940455808
SNP_P1_193495_2705	NW_004515972.1	Scaffold527	2705	CC	TT	1940455809
SNP_P1_193496_2781	NW_004515972.1	Scaffold527	2781	GG	TT	1940455810
SNP_P1_193497_2804	NW_004515972.1	Scaffold527	2804	AA	CC	1940455811
SNP_P1_193498_2811	NW_004515972.1	Scaffold527	2811	GG	TT	1940455812
SNP_P1_193499_2869	NW_004515972.1	Scaffold527	2869	TT	CC	1940455813
SNP_P1_193500_2953	NW_004515972.1	Scaffold527	2953	GG	AA	1940455814
SNP_P1_193501_2966	NW_004515972.1	Scaffold527	2966	AA	CC	1940455815
SNP_P1_193502_2989	NW_004515972.1	Scaffold527	2989	CC	AA	1940455816
SNP_P1_193503_3166	NW_004515972.1	Scaffold527	3166	CC	AA	1940455817
SNP_P1_193504_3181	NW_004515972.1	Scaffold527	3181	GG	TT	1940455818
SNP_P1_193505_3182	NW_004515972.1	Scaffold527	3182	CC	TT	1940455819
SNP_P1_193506_3224	NW_004515972.1	Scaffold527	3224	AA	TT	1940455820
SNP_P1_193507_3225	NW_004515972.1	Scaffold527	3225	AA	GG	1940455821
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SNP_P1_193509_3356	NW_004515972.1	Scaffold527	3356	CC	TT	1940455823
SNP_P1_193510_3377	NW_004515972.1	Scaffold527	3377	AA	TT	1940455824
SNP_P1_193511_3478	NW_004515972.1	Scaffold527	3478	CC	TT	1940455825
SNP_P1_193512_3487	NW_004515972.1	Scaffold527	3487	CC	TT	1940455826
SNP_P1_193513_3567	NW_004515972.1	Scaffold527	3567	TT	CC	1940455827
SNP_P1_193514_3619	NW_004515972.1	Scaffold527	3619	CC	TT	1940455828
SNP_P1_193515_3621	NW_004515972.1	Scaffold527	3621	TT	CC	1940455829
SNP_P1_193516_3720	NW_004515972.1	Scaffold527	3720	CC	TT	1940455830
SNP_P1_193517_3816	NW_004515972.1	Scaffold527	3816	TT	CC	1940455831
SNP_P1_193518_3848	NW_004515972.1	Scaffold527	3848	GG	AA	1940455832
SNP_P1_193519_3962	NW_004515972.1	Scaffold527	3962	CC	TT	1940455833
SNP_P1_193520_3976	NW_004515972.1	Scaffold527	3976	CC	TT	1940455834
SNP_P1_193521_4016	NW_004515972.1	Scaffold527	4016	AA	CC	1940455835
SNP_P1_193522_4054	NW_004515972.1	Scaffold527	4054	CC	TT	1940455836
SNP_P1_193523_4077	NW_004515972.1	Scaffold527	4077	AA	TT	1940455837
SNP_P1_193524_4103	NW_004515972.1	Scaffold527	4103	AA	CC	1940455838
SNP_P1_193525_4121	NW_004515972.1	Scaffold527	4121	TT	CC	1940455839
SNP_P1_193526_4185	NW_004515972.1	Scaffold527	4185	AA	CC	1940455840

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_193528_4224	NW_004515972.1	Scaffold527	4224	TT	GG	1940455842
SNP_P1_193529_4340	NW_004515972.1	Scaffold527	4340	AA	CC	1940455843
SNP_P1_193530_4364	NW_004515972.1	Scaffold527	4364	CC	TT	1940455844
SNP_P1_193531_4540	NW_004515972.1	Scaffold527	4540	AA	TT	1940455845
SNP_P1_193532_4557	NW_004515972.1	Scaffold527	4557	GG	CC	1940455846
SNP_P1_193533_4569	NW_004515972.1	Scaffold527	4569	TT	CC	1940455847
SNP_P1_193534_4717	NW_004515972.1	Scaffold527	4717	TT	GG	1940455848
SNP_P1_193535_4755	NW_004515972.1	Scaffold527	4755	AA	GG	1940455849
SNP_P1_193536_4772	NW_004515972.1	Scaffold527	4772	TT	AA	1940455850
SNP_P1_193538_4819	NW_004515972.1	Scaffold527	4819	GG	AA	1940455851
SNP_P1_193539_4835	NW_004515972.1	Scaffold527	4835	AA	GG	1940455852
SNP_P1_193540_4865	NW_004515972.1	Scaffold527	4865	AA	TT	1940455853
SNP_P1_193541_4866	NW_004515972.1	Scaffold527	4866	GG	TT	1940455854
SNP_P1_193542_4952	NW_004515972.1	Scaffold527	4952	GG	TT	1940455855
SNP_P1_193543_5068	NW_004515972.1	Scaffold527	5068	TT	AA	1940455856
SNP_P1_193544_5204	NW_004515972.1	Scaffold527	5204	CC	TT	1940455857
SNP_P1_193546_6382	NW_004515972.1	Scaffold527	6382	TT	CC	1940455858
SNP_P1_193547_18575	NW_004515972.1	Scaffold527	18575	CC	GG	1940455859
SNP_P1_193548_22728	NW_004515972.1	Scaffold527	22728	TT	CC	1940455860
SNP_P1_193549_25304	NW_004515972.1	Scaffold527	25304	CC	TT	1940455861
SNP_P1_193550_25307	NW_004515972.1	Scaffold527	25307	CC	TT	1940455862
SNP_P1_193551_25316	NW_004515972.1	Scaffold527	25316	AA	TT	1940455863
SNP_P1_193552_25412	NW_004515972.1	Scaffold527	25412	CC	TT	1940455864
SNP_P1_193553_25461	NW_004515972.1	Scaffold527	25461	TT	GG	1940455865
SNP_P1_193554_25605	NW_004515972.1	Scaffold527	25605	AA	TT	1940455866
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SNP_P1_193557_48545	NW_004515972.1	Scaffold527	48545	AA	CC	1940455869
SNP_P1_193559_67778	NW_004515972.1	Scaffold527	67778	AA	GG	1940455870
SNP_P1_193560_67793	NW_004515972.1	Scaffold527	67793	TT	CC	1940455871
SNP_P1_193561_67794	NW_004515972.1	Scaffold527	67794	CC	AA	1940455872
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SNP_P1_193563_68147	NW_004515972.1	Scaffold527	68147	AA	GG	1940455874
SNP_P1_193564_68164	NW_004515972.1	Scaffold527	68164	TT	CC	1940455875
SNP_P1_193565_68167	NW_004515972.1	Scaffold527	68167	TT	AA	1940455876
SNP_P1_193566_68168	NW_004515972.1	Scaffold527	68168	AA	TT	1940455877
SNP_P1_193567_68171	NW_004515972.1	Scaffold527	68171	GG	AA	1940455878
SNP_P1_193568_68174	NW_004515972.1	Scaffold527	68174	GG	AA	1940455879
SNP_P1_193569_82442	NW_004515972.1	Scaffold527	82442	TT	CC	1940455880
SNP_P1_193570_82469	NW_004515972.1	Scaffold527	82469	CC	TT	1940455881
SNP_P1_193571_82498	NW_004515972.1	Scaffold527	82498	AA	GG	1940455882

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SNP_P1_193575_114047	NW_004515972.1	Scaffold527	114047	GG	AA	1940455884
SNP_P1_193576_119832	NW_004515972.1	Scaffold527	119832	CC	TT	1940455885
SNP_P1_193577_119835	NW_004515972.1	Scaffold527	119835	CC	TT	1940455886
SNP_P1_193578_119875	NW_004515972.1	Scaffold527	119875	AA	CC	1940455887
SNP_P1_193579_120192	NW_004515972.1	Scaffold527	120192	CC	TT	1940455888
SNP_P1_193580_120441	NW_004515972.1	Scaffold527	120441	AA	GG	1940455889
SNP_P1_193581_120469	NW_004515972.1	Scaffold527	120469	AA	GG	1940455890
SNP_P1_193582_120645	NW_004515972.1	Scaffold527	120645	TT	CC	1940455891
SNP_P1_193583_122924	NW_004515972.1	Scaffold527	122924	TT	AA	1940455892
SNP_P1_193584_126422	NW_004515972.1	Scaffold527	126422	TT	AA	1940455893
SNP_P1_193585_127667	NW_004515972.1	Scaffold527	127667	AA	GG	1940455894
SNP_P1_193586_127690	NW_004515972.1	Scaffold527	127690	CC	AA	1940455895
SNP_P1_193587_129172	NW_004515972.1	Scaffold527	129172	AA	GG	1940455896
SNP_P1_193589_136893	NW_004515972.1	Scaffold527	136893	AA	CC	1940455897
SNP_P1_193590_137077	NW_004515972.1	Scaffold527	137077	TT	AA	1940455898
SNP_P1_193591_138785	NW_004515972.1	Scaffold527	138785	GG	CC	1940455899
SNP_P1_193592_138790	NW_004515972.1	Scaffold527	138790	TT	CC	1940455900
SNP_P1_193593_138809	NW_004515972.1	Scaffold527	138809	TT	CC	1940455901
SNP_P1_193594_143813	NW_004515972.1	Scaffold527	143813	AA	GG	1940455902
SNP_P1_193595_145179	NW_004515972.1	Scaffold527	145179	CC	TT	1940455903
SNP_P1_193596_148425	NW_004515972.1	Scaffold527	148425	AA	TT	1940455904
SNP_P1_193597_148426	NW_004515972.1	Scaffold527	148426	TT	AA	1940455905
SNP_P1_193598_148555	NW_004515972.1	Scaffold527	148555	TT	CC	1940455906
SNP_P1_193599_148655	NW_004515972.1	Scaffold527	148655	AA	GG	1940455907
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SNP_P1_193601_148703	NW_004515972.1	Scaffold527	148703	AA	GG	1940455909
SNP_P1_193602_148737	NW_004515972.1	Scaffold527	148737	TT	CC	1940455910
SNP_P1_193603_148757	NW_004515972.1	Scaffold527	148757	GG	TT	1940455911
SNP_P1_193604_148758	NW_004515972.1	Scaffold527	148758	AA	TT	1940455912
SNP_P1_193605_148778	NW_004515972.1	Scaffold527	148778	CC	AA	1940455913
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SNP_P1_193607_149012	NW_004515972.1	Scaffold527	149012	TT	CC	1940455915
SNP_P1_193608_2615	NW_004515973.1	Scaffold528	2615	CC	GG	1940455916
SNP_P1_193611_29022	NW_004515973.1	Scaffold528	29022	CC	GG	1940455917
SNP_P1_193612_34513	NW_004515973.1	Scaffold528	34513	CC	TT	1940455918
SNP_P1_193613_46755	NW_004515973.1	Scaffold528	46755	TT	AA	1940455919
SNP_P1_193614_61561	NW_004515973.1	Scaffold528	61561	CC	TT	1940455920
SNP_P1_193615_61614	NW_004515973.1	Scaffold528	61614	TT	GG	1940455921
SNP_P1_193616_61795	NW_004515973.1	Scaffold528	61795	AA	TT	1940455922
SNP_P1_193617_63599	NW_004515973.1	Scaffold528	63599	CC	GG	1940455923
SNP_P1_193618_65216	NW_004515973.1	Scaffold528	65216	GG	AA	1940455924

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SNP_P1_193620_65274	NW_004515973.1	Scaffold528	65274	TT	CC	1940455926
SNP_P1_193621_65384	NW_004515973.1	Scaffold528	65384	GG	AA	1940455927
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SNP_P1_193624_68234	NW_004515973.1	Scaffold528	68234	AA	GG	1940455931
SNP_P1_193625_68338	NW_004515973.1	Scaffold528	68338	GG	AA	1940455932
SNP_P1_193628_72054	NW_004515973.1	Scaffold528	72054	GG	TT	1940455933
SNP_P1_193629_72083	NW_004515973.1	Scaffold528	72083	GG	AA	1940455934
SNP_P1_193630_72089	NW_004515973.1	Scaffold528	72089	TT	CC	1940455935
SNP_P1_193631_72255	NW_004515973.1	Scaffold528	72255	TT	AA	1940455936
SNP_P1_193632_72258	NW_004515973.1	Scaffold528	72258	AA	GG	1940455937
SNP_P1_193633_72292	NW_004515973.1	Scaffold528	72292	TT	GG	1940455938
SNP_P1_193634_72370	NW_004515973.1	Scaffold528	72370	TT	CC	1940455939
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SNP_P1_193636_72397	NW_004515973.1	Scaffold528	72397	CC	TT	1940455941
SNP_P1_193637_72413	NW_004515973.1	Scaffold528	72413	GG	TT	1940455942
SNP_P1_193638_72417	NW_004515973.1	Scaffold528	72417	GG	AA	1940455943
SNP_P1_193639_72422	NW_004515973.1	Scaffold528	72422	CC	GG	1940455944
SNP_P1_193640_74482	NW_004515973.1	Scaffold528	74482	TT	CC	1940455945
SNP_P1_193641_104292	NW_004515973.1	Scaffold528	104292	GG	TT	1940455946
SNP_P1_193642_121595	NW_004515973.1	Scaffold528	121595	AA	GG	1940455947
SNP_P1_193643_125935	NW_004515973.1	Scaffold528	125935	CC	TT	1940455948
SNP_P1_193644_126566	NW_004515973.1	Scaffold528	126566	AA	CC	1940455949
SNP_P1_193645_126710	NW_004515973.1	Scaffold528	126710	TT	CC	1940455950
SNP_P1_193646_126728	NW_004515973.1	Scaffold528	126728	TT	CC	1940455951
SNP_P1_193647_126772	NW_004515973.1	Scaffold528	126772	TT	GG	1940455952
SNP_P1_193648_126798	NW_004515973.1	Scaffold528	126798	GG	CC	1940455953
SNP_P1_193649_126920	NW_004515973.1	Scaffold528	126920	TT	CC	1940455954
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SNP_P1_193652_130382	NW_004515973.1	Scaffold528	130382	AA	GG	1940455957
SNP_P1_193653_130392	NW_004515973.1	Scaffold528	130392	AA	GG	1940455958
SNP_P1_193654_130398	NW_004515973.1	Scaffold528	130398	TT	GG	1940455959
SNP_P1_193655_132688	NW_004515973.1	Scaffold528	132688	AA	GG	1940455960
SNP_P1_193656_147798	NW_004515973.1	Scaffold528	147798	CC	AA	1940455961
SNP_P1_193657_160496	NW_004515973.1	Scaffold528	160496	CC	AA	1940455962
SNP_P1_193658_165053	NW_004515973.1	Scaffold528	165053	GG	TT	1940455963
SNP_P1_193659_165071	NW_004515973.1	Scaffold528	165071	AA	GG	1940455964
SNP_P1_193660_165072	NW_004515973.1	Scaffold528	165072	GG	TT	1940455965
SNP_P1_193661_165501	NW_004515973.1	Scaffold528	165501	AA	TT	1940455966
SNP_P1_193662_165508	NW_004515973.1	Scaffold528	165508	GG	AA	1940455967

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_193664_207574	NW_004515973.1	Scaffold528	207574	CC	AA	1940455968
SNP_P1_193665_213872	NW_004515973.1	Scaffold528	213872	AA	CC	1940455969
SNP_P1_193666_214999	NW_004515973.1	Scaffold528	214999	AA	GG	1940455970
SNP_P1_193667_215008	NW_004515973.1	Scaffold528	215008	GG	TT	1940455971
SNP_P1_193668_215467	NW_004515973.1	Scaffold528	215467	AA	GG	1940455972
SNP_P1_193669_215644	NW_004515973.1	Scaffold528	215644	CC	TT	1940455973
SNP_P1_193671_215715	NW_004515973.1	Scaffold528	215715	CC	AA	1940455974
SNP_P1_193672_215763	NW_004515973.1	Scaffold528	215763	AA	CC	1940455975
SNP_P1_193673_216002	NW_004515973.1	Scaffold528	216002	GG	AA	1940455976
SNP_P1_193674_224012	NW_004515973.1	Scaffold528	224012	GG	TT	1940455977
SNP_P1_193675_224017	NW_004515973.1	Scaffold528	224017	AA	CC	1940455978
SNP_P1_193676_224035	NW_004515973.1	Scaffold528	224035	CC	TT	1940455979
SNP_P1_193678_241454	NW_004515973.1	Scaffold528	241454	GG	AA	1940455980
SNP_P1_193679_285980	NW_004515973.1	Scaffold528	285980	CC	TT	1940455981
SNP_P1_193680_285982	NW_004515973.1	Scaffold528	285982	GG	AA	1940455982
SNP_P1_193681_286135	NW_004515973.1	Scaffold528	286135	TT	GG	1940455983
SNP_P1_193682_286270	NW_004515973.1	Scaffold528	286270	GG	AA	1940455984
SNP_P1_193683_287984	NW_004515973.1	Scaffold528	287984	TT	GG	1940455985
SNP_P1_193684_289591	NW_004515973.1	Scaffold528	289591	TT	CC	1940455986
SNP_P1_193685_292342	NW_004515973.1	Scaffold528	292342	CC	TT	1940455987
SNP_P1_193686_293858	NW_004515973.1	Scaffold528	293858	AA	GG	1940455988
SNP_P1_193687_293878	NW_004515973.1	Scaffold528	293878	TT	CC	1940455989
SNP_P1_193688_293929	NW_004515973.1	Scaffold528	293929	GG	AA	1940455990
SNP_P1_193689_300203	NW_004515973.1	Scaffold528	300203	TT	CC	1940455991
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SNP_P1_193694_320297	NW_004515973.1	Scaffold528	320297	AA	GG	1940455995
SNP_P1_193695_326876	NW_004515973.1	Scaffold528	326876	CC	TT	1940455996
SNP_P1_193696_326881	NW_004515973.1	Scaffold528	326881	AA	CC	1940455997
SNP_P1_193697_329725	NW_004515973.1	Scaffold528	329725	TT	GG	1940455998
SNP_P1_193698_106	NW_004515974.1	Scaffold530	106	GG	AA	1940455999
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SNP_P1_193700_112	NW_004515974.1	Scaffold530	112	AA	GG	1940456001
SNP_P1_193701_159	NW_004515974.1	Scaffold530	159	CC	GG	1940456002
SNP_P1_193702_185	NW_004515974.1	Scaffold530	185	CC	AA	1940456003
SNP_P1_193703_330	NW_004515974.1	Scaffold530	330	CC	TT	1940456004
SNP_P1_193705_558	NW_004515974.1	Scaffold530	558	TT	CC	1940456005
SNP_P1_193706_609	NW_004515974.1	Scaffold530	609	CC	AA	1940456006
SNP_P1_193707_798	NW_004515974.1	Scaffold530	798	TT	CC	1940456007
SNP_P1_193708_1070	NW_004515974.1	Scaffold530	1070	TT	AA	1940456008
SNP_P1_193710_1108	NW_004515974.1	Scaffold530	1108	AA	GG	1940456009

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_193713_4222	NW_004515974.1	Scaffold530	4222	CC	GG	1940456011
SNP_P1_193714_4229	NW_004515974.1	Scaffold530	4229	TT	AA	1940456012
SNP_P1_193715_4232	NW_004515974.1	Scaffold530	4232	AA	CC	1940456013
SNP_P1_193716_4245	NW_004515974.1	Scaffold530	4245	GG	AA	1940456014
SNP_P1_193717_4252	NW_004515974.1	Scaffold530	4252	AA	CC	1940456015
SNP_P1_193718_4269	NW_004515974.1	Scaffold530	4269	GG	CC	1940456016
SNP_P1_193719_4282	NW_004515974.1	Scaffold530	4282	GG	AA	1940456017
SNP_P1_193720_4297	NW_004515974.1	Scaffold530	4297	CC	GG	1940456018
SNP_P1_193721_4310	NW_004515974.1	Scaffold530	4310	TT	AA	1940456019
SNP_P1_193722_4359	NW_004515974.1	Scaffold530	4359	TT	GG	1940456020
SNP_P1_193723_4915	NW_004515974.1	Scaffold530	4915	GG	CC	1940456021
SNP_P1_193724_9047	NW_004515974.1	Scaffold530	9047	GG	AA	1940456022
SNP_P1_193726_10684	NW_004515974.1	Scaffold530	10684	GG	AA	1940456023
SNP_P1_193727_10773	NW_004515974.1	Scaffold530	10773	AA	GG	1940456024
SNP_P1_193728_10942	NW_004515974.1	Scaffold530	10942	TT	CC	1940456025
SNP_P1_193729_11063	NW_004515974.1	Scaffold530	11063	AA	CC	1940456026
SNP_P1_193730_11337	NW_004515974.1	Scaffold530	11337	TT	CC	1940456027
SNP_P1_193731_11421	NW_004515974.1	Scaffold530	11421	GG	AA	1940456028
SNP_P1_193732_14982	NW_004515974.1	Scaffold530	14982	GG	AA	1940456029
SNP_P1_193733_14991	NW_004515974.1	Scaffold530	14991	AA	TT	1940456030
SNP_P1_193734_14995	NW_004515974.1	Scaffold530	14995	GG	TT	1940456031
SNP_P1_193735_23805	NW_004515974.1	Scaffold530	23805	AA	TT	1940456032
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SNP_P1_193737_24851	NW_004515974.1	Scaffold530	24851	CC	AA	1940456034
SNP_P1_193738_25188	NW_004515974.1	Scaffold530	25188	CC	AA	1940456035
SNP_P1_193739_37141	NW_004515974.1	Scaffold530	37141	CC	AA	1940456036
SNP_P1_193740_37651	NW_004515974.1	Scaffold530	37651	CC	AA	1940456037
SNP_P1_193741_37682	NW_004515974.1	Scaffold530	37682	GG	CC	1940456038
SNP_P1_193742_44525	NW_004515974.1	Scaffold530	44525	TT	AA	1940456039
SNP_P1_193743_45926	NW_004515974.1	Scaffold530	45926	AA	CC	1940456040
SNP_P1_193744_53275	NW_004515974.1	Scaffold530	53275	CC	TT	1940456041
SNP_P1_193745_54217	NW_004515974.1	Scaffold530	54217	CC	GG	1940456042
SNP_P1_193746_54572	NW_004515974.1	Scaffold530	54572	CC	AA	1940456043
SNP_P1_193747_54576	NW_004515974.1	Scaffold530	54576	AA	CC	1940456044
SNP_P1_193748_54577	NW_004515974.1	Scaffold530	54577	AA	CC	1940456045
SNP_P1_193749_87054	NW_004515974.1	Scaffold530	87054	TT	GG	1940456046
SNP_P1_193750_102793	NW_004515974.1	Scaffold530	102793	AA	TT	1940456047
SNP_P1_193751_4781	NW_004515975.1	Scaffold531	4781	TT	CC	1940456048
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SNP_P1_193753_4817	NW_004515975.1	Scaffold531	4817	AA	CC	1940456050
SNP_P1_193754_4845	NW_004515975.1	Scaffold531	4845	AA	CC	1940456051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_193756_4877	NW_004515975.1	Scaffold531	4877	GG	AA	1940456053
SNP_P1_193757_4889	NW_004515975.1	Scaffold531	4889	AA	TT	1940456054
SNP_P1_193758_4890	NW_004515975.1	Scaffold531	4890	TT	AA	1940456055
SNP_P1_193759_4911	NW_004515975.1	Scaffold531	4911	CC	AA	1940456056
SNP_P1_193760_5578	NW_004515975.1	Scaffold531	5578	AA	CC	1940456057
SNP_P1_193761_7375	NW_004515975.1	Scaffold531	7375	GG	TT	1940456058
SNP_P1_193762_7377	NW_004515975.1	Scaffold531	7377	CC	TT	1940456059
SNP_P1_193763_7631	NW_004515975.1	Scaffold531	7631	AA	GG	1940456060
SNP_P1_193764_7632	NW_004515975.1	Scaffold531	7632	AA	CC	1940456061
SNP_P1_193765_7768	NW_004515975.1	Scaffold531	7768	CC	TT	1940456062
SNP_P1_193766_11735	NW_004515975.1	Scaffold531	11735	TT	CC	1940456063
SNP_P1_193767_11868	NW_004515975.1	Scaffold531	11868	AA	TT	1940456064
SNP_P1_193769_11926	NW_004515975.1	Scaffold531	11926	CC	GG	1940456065
SNP_P1_193770_11961	NW_004515975.1	Scaffold531	11961	AA	GG	1940456066
SNP_P1_193771_12206	NW_004515975.1	Scaffold531	12206	AA	GG	1940456067
SNP_P1_193772_12295	NW_004515975.1	Scaffold531	12295	CC	TT	1940456068
SNP_P1_193773_12601	NW_004515975.1	Scaffold531	12601	GG	AA	1940456069
SNP_P1_193774_13051	NW_004515975.1	Scaffold531	13051	CC	GG	1940456070
SNP_P1_193775_13134	NW_004515975.1	Scaffold531	13134	GG	TT	1940456071
SNP_P1_193776_13207	NW_004515975.1	Scaffold531	13207	CC	GG	1940456072
SNP_P1_193777_13369	NW_004515975.1	Scaffold531	13369	TT	AA	1940456073
SNP_P1_193778_13379	NW_004515975.1	Scaffold531	13379	TT	CC	1940456074
SNP_P1_193779_13442	NW_004515975.1	Scaffold531	13442	TT	CC	1940456075
SNP_P1_193780_13508	NW_004515975.1	Scaffold531	13508	GG	AA	1940456076
SNP_P1_193781_13532	NW_004515975.1	Scaffold531	13532	CC	AA	1940456077
SNP_P1_193782_13579	NW_004515975.1	Scaffold531	13579	GG	AA	1940456078
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SNP_P1_193784_13664	NW_004515975.1	Scaffold531	13664	TT	CC	1940456080
SNP_P1_193785_29640	NW_004515975.1	Scaffold531	29640	TT	CC	1940456081
SNP_P1_193787_41194	NW_004515975.1	Scaffold531	41194	GG	AA	1940456082
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SNP_P1_193789_47671	NW_004515975.1	Scaffold531	47671	AA	GG	1940456084
SNP_P1_193790_47676	NW_004515975.1	Scaffold531	47676	TT	GG	1940456085
SNP_P1_193791_51611	NW_004515975.1	Scaffold531	51611	CC	AA	1940456086
SNP_P1_193792_54499	NW_004515975.1	Scaffold531	54499	CC	TT	1940456087
SNP_P1_193793_56353	NW_004515975.1	Scaffold531	56353	AA	GG	1940456088
SNP_P1_193794_58086	NW_004515975.1	Scaffold531	58086	TT	CC	1940456090
SNP_P1_193795_58544	NW_004515975.1	Scaffold531	58544	CC	GG	1940456091
SNP_P1_193796_60073	NW_004515975.1	Scaffold531	60073	TT	GG	1940456092
SNP_P1_193797_60075	NW_004515975.1	Scaffold531	60075	AA	TT	1940456093
SNP_P1_193799_73190	NW_004515975.1	Scaffold531	73190	TT	CC	1940456094

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SNP_P1_193802_92638	NW_004515975.1	Scaffold531	92638	TT	CC	1940456096
SNP_P1_193804_97269	NW_004515975.1	Scaffold531	97269	AA	TT	1940456097
SNP_P1_193805_97323	NW_004515975.1	Scaffold531	97323	CC	TT	1940456098
SNP_P1_193806_104185	NW_004515975.1	Scaffold531	104185	CC	TT	1940456099
SNP_P1_193807_114700	NW_004515975.1	Scaffold531	114700	GG	AA	1940456100
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SNP_P1_193809_129677	NW_004515975.1	Scaffold531	129677	CC	AA	1940456102
SNP_P1_193810_160242	NW_004515975.1	Scaffold531	160242	TT	AA	1940456103
SNP_P1_193811_163981	NW_004515975.1	Scaffold531	163981	CC	TT	1940456104
SNP_P1_193812_167060	NW_004515975.1	Scaffold531	167060	GG	AA	1940456105
SNP_P1_193813_190308	NW_004515975.1	Scaffold531	190308	CC	TT	1940456106
SNP_P1_193814_190435	NW_004515975.1	Scaffold531	190435	GG	TT	1940456107
SNP_P1_193815_193943	NW_004515975.1	Scaffold531	193943	CC	TT	1940456108
SNP_P1_193816_193948	NW_004515975.1	Scaffold531	193948	GG	AA	1940456109
SNP_P1_193817_198325	NW_004515975.1	Scaffold531	198325	GG	AA	1940456110
SNP_P1_193818_198817	NW_004515975.1	Scaffold531	198817	TT	CC	1940456111
SNP_P1_193819_206301	NW_004515975.1	Scaffold531	206301	TT	CC	1940456112
SNP_P1_193820_206309	NW_004515975.1	Scaffold531	206309	CC	TT	1940456113
SNP_P1_193821_206319	NW_004515975.1	Scaffold531	206319	AA	TT	1940456114
SNP_P1_193822_206338	NW_004515975.1	Scaffold531	206338	CC	TT	1940456115
SNP_P1_193823_206342	NW_004515975.1	Scaffold531	206342	TT	AA	1940456116
SNP_P1_193824_206362	NW_004515975.1	Scaffold531	206362	AA	TT	1940456117
SNP_P1_193825_206369	NW_004515975.1	Scaffold531	206369	TT	AA	1940456118
SNP_P1_193826_206454	NW_004515975.1	Scaffold531	206454	AA	TT	1940456119
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SNP_P1_193829_1829	NW_004515976.1	Scaffold532	1829	TT	CC	1940456122
SNP_P1_193830_6515	NW_004515976.1	Scaffold532	6515	TT	AA	1940456123
SNP_P1_193831_6516	NW_004515976.1	Scaffold532	6516	CC	AA	1940456124
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SNP_P1_193835_7846	NW_004515977.1	Scaffold533	7846	GG	TT	1940456128
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SNP_P1_193837_8031	NW_004515977.1	Scaffold533	8031	TT	GG	1940456130
SNP_P1_193838_8904	NW_004515977.1	Scaffold533	8904	AA	TT	1940456131
SNP_P1_193839_8919	NW_004515977.1	Scaffold533	8919	CC	GG	1940456132
SNP_P1_193840_8927	NW_004515977.1	Scaffold533	8927	CC	TT	1940456133
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SNP_P1_193842_18552	NW_004515977.1	Scaffold533	18552	GG	TT	1940456135
SNP_P1_193843_18553	NW_004515977.1	Scaffold533	18553	TT	GG	1940456136

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SNP_P1_193845_19781	NW_004515977.1	Scaffold533	19781	TT	AA	1940456138
SNP_P1_193846_21382	NW_004515977.1	Scaffold533	21382	GG	AA	1940456139
SNP_P1_193847_24201	NW_004515977.1	Scaffold533	24201	TT	AA	1940456140
SNP_P1_193848_13341	NW_004515978.1	Scaffold535	13341	GG	AA	1940456141
SNP_P1_193849_22611	NW_004515978.1	Scaffold535	22611	CC	TT	1940456142
SNP_P1_193850_49823	NW_004515978.1	Scaffold535	49823	AA	CC	1940456143
SNP_P1_193851_51493	NW_004515978.1	Scaffold535	51493	TT	GG	1940456144
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SNP_P1_193861_69463	NW_004515978.1	Scaffold535	69463	TT	CC	1940456154
SNP_P1_193862_77819	NW_004515978.1	Scaffold535	77819	CC	TT	1940456155
SNP_P1_193863_86300	NW_004515978.1	Scaffold535	86300	GG	AA	1940456156
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SNP_P1_193866_102428	NW_004515978.1	Scaffold535	102428	AA	GG	1940456158
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SNP_P1_193868_117234	NW_004515978.1	Scaffold535	117234	TT	CC	1940456160
SNP_P1_193869_118014	NW_004515978.1	Scaffold535	118014	GG	AA	1940456161
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SNP_P1_193871_125735	NW_004515978.1	Scaffold535	125735	GG	AA	1940456163
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SNP_P1_193878_13085	NW_004515980.1	Scaffold537	13085	AA	CC	1940456170
SNP_P1_193879_13100	NW_004515980.1	Scaffold537	13100	CC	TT	1940456171
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SNP_P1_193884_17720	NW_004515980.1	Scaffold537	17720	CC	TT	1940456175
SNP_P1_193885_26571	NW_004515980.1	Scaffold537	26571	TT	CC	1940456176
SNP_P1_193886_31527	NW_004515980.1	Scaffold537	31527	AA	GG	1940456177
SNP_P1_193887_31584	NW_004515980.1	Scaffold537	31584	TT	GG	1940456178

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_193888_31585	NW_004515980.1	Scaffold537	31585	GG	TT	1940456179
SNP_P1_193889_31885	NW_004515980.1	Scaffold537	31885	TT	CC	1940456180
SNP_P1_193890_31944	NW_004515980.1	Scaffold537	31944	GG	CC	1940456181
SNP_P1_193891_33802	NW_004515980.1	Scaffold537	33802	GG	TT	1940456182
SNP_P1_193892_35364	NW_004515980.1	Scaffold537	35364	GG	TT	1940456183
SNP_P1_193893_35415	NW_004515980.1	Scaffold537	35415	CC	TT	1940456184
SNP_P1_193894_35731	NW_004515980.1	Scaffold537	35731	CC	GG	1940456185
SNP_P1_193895_35744	NW_004515980.1	Scaffold537	35744	TT	GG	1940456186
SNP_P1_193896_52000	NW_004515980.1	Scaffold537	52000	GG	AA	1940456187
SNP_P1_193897_53587	NW_004515980.1	Scaffold537	53587	AA	TT	1940456188
SNP_P1_193899_58724	NW_004515980.1	Scaffold537	58724	GG	AA	1940456189
SNP_P1_193900_58790	NW_004515980.1	Scaffold537	58790	AA	GG	1940456190
SNP_P1_193901_58914	NW_004515980.1	Scaffold537	58914	AA	GG	1940456191
SNP_P1_193902_67224	NW_004515980.1	Scaffold537	67224	AA	GG	1940456192
SNP_P1_193903_68271	NW_004515980.1	Scaffold537	68271	TT	CC	1940456193
SNP_P1_193904_68314	NW_004515980.1	Scaffold537	68314	AA	TT	1940456194
SNP_P1_193905_69723	NW_004515980.1	Scaffold537	69723	GG	AA	1940456195
SNP_P1_193906_76441	NW_004515980.1	Scaffold537	76441	AA	GG	1940456196
SNP_P1_193907_78641	NW_004515980.1	Scaffold537	78641	AA	CC	1940456197
SNP_P1_193908_78771	NW_004515980.1	Scaffold537	78771	AA	CC	1940456198
SNP_P1_193909_78856	NW_004515980.1	Scaffold537	78856	AA	GG	1940456199
SNP_P1_193910_78860	NW_004515980.1	Scaffold537	78860	AA	GG	1940456200
SNP_P1_193911_78877	NW_004515980.1	Scaffold537	78877	AA	GG	1940456201
SNP_P1_193912_78882	NW_004515980.1	Scaffold537	78882	TT	AA	1940456202
SNP_P1_193913_78904	NW_004515980.1	Scaffold537	78904	AA	CC	1940456203
SNP_P1_193914_78942	NW_004515980.1	Scaffold537	78942	TT	CC	1940456204
SNP_P1_193915_78972	NW_004515980.1	Scaffold537	78972	AA	GG	1940456205
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SNP_P1_193917_78986	NW_004515980.1	Scaffold537	78986	AA	GG	1940456207
SNP_P1_193918_78988	NW_004515980.1	Scaffold537	78988	AA	CC	1940456208
SNP_P1_193919_78996	NW_004515980.1	Scaffold537	78996	AA	GG	1940456209
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SNP_P1_193921_79006	NW_004515980.1	Scaffold537	79006	TT	CC	1940456211
SNP_P1_193922_82318	NW_004515980.1	Scaffold537	82318	AA	TT	1940456212
SNP_P1_193923_82346	NW_004515980.1	Scaffold537	82346	CC	TT	1940456213
SNP_P1_193924_82393	NW_004515980.1	Scaffold537	82393	AA	GG	1940456214
SNP_P1_193925_82430	NW_004515980.1	Scaffold537	82430	AA	GG	1940456215
SNP_P1_193927_84656	NW_004515980.1	Scaffold537	84656	TT	AA	1940456216
SNP_P1_193928_85075	NW_004515980.1	Scaffold537	85075	GG	CC	1940456217
SNP_P1_193929_85150	NW_004515980.1	Scaffold537	85150	TT	AA	1940456218
SNP_P1_193930_85230	NW_004515980.1	Scaffold537	85230	TT	GG	1940456219
SNP_P1_193931_85258	NW_004515980.1	Scaffold537	85258	CC	TT	1940456220

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_193933_85308	NW_004515980.1	Scaffold537	85308	TT	AA	1940456222
SNP_P1_193934_85349	NW_004515980.1	Scaffold537	85349	AA	GG	1940456223
SNP_P1_193935_85692	NW_004515980.1	Scaffold537	85692	AA	TT	1940456224
SNP_P1_193936_85858	NW_004515980.1	Scaffold537	85858	AA	TT	1940456225
SNP_P1_193939_123048	NW_004515980.1	Scaffold537	123048	TT	AA	1940456226
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SNP_P1_193943_141527	NW_004515980.1	Scaffold537	141527	GG	TT	1940456228
SNP_P1_193944_146774	NW_004515980.1	Scaffold537	146774	CC	TT	1940456229
SNP_P1_193946_161876	NW_004515980.1	Scaffold537	161876	CC	GG	1940456230
SNP_P1_193947_165074	NW_004515980.1	Scaffold537	165074	TT	CC	1940456231
SNP_P1_193949_165964	NW_004515980.1	Scaffold537	165964	TT	AA	1940456232
SNP_P1_193951_191140	NW_004515980.1	Scaffold537	191140	CC	TT	1940456233
SNP_P1_193952_200310	NW_004515980.1	Scaffold537	200310	GG	TT	1940456234
SNP_P1_193953_212606	NW_004515980.1	Scaffold537	212606	TT	AA	1940456235
SNP_P1_193954_231007	NW_004515980.1	Scaffold537	231007	TT	CC	1940456236
SNP_P1_193955_242889	NW_004515980.1	Scaffold537	242889	CC	TT	1940456237
SNP_P1_193956_243701	NW_004515980.1	Scaffold537	243701	GG	AA	1940456238
SNP_P1_193957_270410	NW_004515980.1	Scaffold537	270410	CC	TT	1940456239
SNP_P1_193958_270642	NW_004515980.1	Scaffold537	270642	CC	TT	1940456240
SNP_P1_193959_270800	NW_004515980.1	Scaffold537	270800	AA	GG	1940456241
SNP_P1_193960_270925	NW_004515980.1	Scaffold537	270925	CC	AA	1940456242
SNP_P1_193961_271014	NW_004515980.1	Scaffold537	271014	TT	GG	1940456244
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SNP_P1_193963_271190	NW_004515980.1	Scaffold537	271190	GG	TT	1940456246
SNP_P1_193964_271207	NW_004515980.1	Scaffold537	271207	CC	TT	1940456247
SNP_P1_193965_1329	NW_004515982.1	Scaffold542	1329	AA	TT	1940456248
SNP_P1_193966_19441	NW_004515983.1	Scaffold543	19441	TT	CC	1940456249
SNP_P1_193967_19445	NW_004515983.1	Scaffold543	19445	CC	TT	1940456250
SNP_P1_193968_20412	NW_004515983.1	Scaffold543	20412	CC	AA	1940456251
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SNP_P1_193973_20606	NW_004515983.1	Scaffold543	20606	GG	AA	1940456256
SNP_P1_193974_20914	NW_004515983.1	Scaffold543	20914	AA	TT	1940456257
SNP_P1_193975_24081	NW_004515983.1	Scaffold543	24081	AA	GG	1940456258
SNP_P1_193976_27278	NW_004515983.1	Scaffold543	27278	CC	TT	1940456259
SNP_P1_193977_28405	NW_004515983.1	Scaffold543	28405	TT	CC	1940456260
SNP_P1_193978_31226	NW_004515983.1	Scaffold543	31226	AA	GG	1940456261
SNP_P1_193979_31246	NW_004515983.1	Scaffold543	31246	TT	GG	1940456262
SNP_P1_193980_31255	NW_004515983.1	Scaffold543	31255	AA	TT	1940456263

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_193982_31488	NW_004515983.1	Scaffold543	31488	TT	CC	1940456265
SNP_P1_193983_31658	NW_004515983.1	Scaffold543	31658	AA	CC	1940456266
SNP_P1_193984_38570	NW_004515983.1	Scaffold543	38570	TT	CC	1940456267
SNP_P1_193985_42455	NW_004515983.1	Scaffold543	42455	AA	GG	1940456268
SNP_P1_193986_52979	NW_004515983.1	Scaffold543	52979	GG	AA	1940456269
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SNP_P1_193988_66054	NW_004515983.1	Scaffold543	66054	CC	GG	1940456271
SNP_P1_193989_66347	NW_004515983.1	Scaffold543	66347	AA	CC	1940456272
SNP_P1_193990_68702	NW_004515983.1	Scaffold543	68702	CC	TT	1940456273
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SNP_P1_193992_68884	NW_004515983.1	Scaffold543	68884	TT	CC	1940456275
SNP_P1_193993_68922	NW_004515983.1	Scaffold543	68922	TT	GG	1940456276
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SNP_P1_193997_100788	NW_004515983.1	Scaffold543	100788	AA	GG	1940456278
SNP_P1_193998_100806	NW_004515983.1	Scaffold543	100806	CC	TT	1940456279
SNP_P1_193999_106321	NW_004515983.1	Scaffold543	106321	CC	AA	1940456280
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SNP_P1_194004_148365	NW_004515983.1	Scaffold543	148365	TT	CC	1940456283
SNP_P1_194005_155217	NW_004515983.1	Scaffold543	155217	GG	TT	1940456284
SNP_P1_194006_160034	NW_004515983.1	Scaffold543	160034	GG	AA	1940456285
SNP_P1_194007_160045	NW_004515983.1	Scaffold543	160045	AA	GG	1940456286
SNP_P1_194008_160112	NW_004515983.1	Scaffold543	160112	CC	TT	1940456287
SNP_P1_194009_160418	NW_004515983.1	Scaffold543	160418	CC	TT	1940456288
SNP_P1_194010_160469	NW_004515983.1	Scaffold543	160469	AA	TT	1940456289
SNP_P1_194011_184163	NW_004515983.1	Scaffold543	184163	GG	AA	1940456290
SNP_P1_194012_187371	NW_004515983.1	Scaffold543	187371	CC	GG	1940456291
SNP_P1_194013_187397	NW_004515983.1	Scaffold543	187397	CC	TT	1940456292
SNP_P1_194014_188821	NW_004515983.1	Scaffold543	188821	AA	GG	1940456293
SNP_P1_194015_191670	NW_004515983.1	Scaffold543	191670	GG	AA	1940456294
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SNP_P1_194018_220806	NW_004515983.1	Scaffold543	220806	AA	GG	1940456297
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SNP_P1_194020_221722	NW_004515983.1	Scaffold543	221722	GG	TT	1940456299
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SNP_P1_194023_224163	NW_004515983.1	Scaffold543	224163	TT	AA	1940456302
SNP_P1_194024_224450	NW_004515983.1	Scaffold543	224450	TT	CC	1940456303
SNP_P1_194025_224484	NW_004515983.1	Scaffold543	224484	AA	GG	1940456304
SNP_P1_194026_224497	NW_004515983.1	Scaffold543	224497	CC	TT	1940456305

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SNP_P1_194029_224541	NW_004515983.1	Scaffold543	224541	AA	GG	1940456307
SNP_P1_194030_225582	NW_004515983.1	Scaffold543	225582	GG	TT	1940456308
SNP_P1_194031_225626	NW_004515983.1	Scaffold543	225626	CC	GG	1940456309
SNP_P1_194032_226069	NW_004515983.1	Scaffold543	226069	AA	GG	1940456310
SNP_P1_194033_226076	NW_004515983.1	Scaffold543	226076	AA	GG	1940456311
SNP_P1_194034_226088	NW_004515983.1	Scaffold543	226088	AA	TT	1940456312
SNP_P1_194035_226091	NW_004515983.1	Scaffold543	226091	CC	AA	1940456313
SNP_P1_194036_226101	NW_004515983.1	Scaffold543	226101	AA	GG	1940456314
SNP_P1_194037_226115	NW_004515983.1	Scaffold543	226115	AA	TT	1940456315
SNP_P1_194038_226130	NW_004515983.1	Scaffold543	226130	TT	AA	1940456316
SNP_P1_194039_226152	NW_004515983.1	Scaffold543	226152	TT	GG	1940456317
SNP_P1_194040_226178	NW_004515983.1	Scaffold543	226178	GG	AA	1940456318
SNP_P1_194041_226205	NW_004515983.1	Scaffold543	226205	CC	TT	1940456319
SNP_P1_194042_226209	NW_004515983.1	Scaffold543	226209	GG	CC	1940456320
SNP_P1_194043_226280	NW_004515983.1	Scaffold543	226280	TT	CC	1940456321
SNP_P1_194044_226295	NW_004515983.1	Scaffold543	226295	AA	GG	1940456322
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SNP_P1_194046_226423	NW_004515983.1	Scaffold543	226423	TT	CC	1940456324
SNP_P1_194047_226447	NW_004515983.1	Scaffold543	226447	TT	CC	1940456325
SNP_P1_194048_226579	NW_004515983.1	Scaffold543	226579	TT	CC	1940456326
SNP_P1_194049_226604	NW_004515983.1	Scaffold543	226604	GG	AA	1940456327
SNP_P1_194050_229455	NW_004515983.1	Scaffold543	229455	GG	AA	1940456328
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SNP_P1_194053_229661	NW_004515983.1	Scaffold543	229661	GG	AA	1940456330
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SNP_P1_194066_243414	NW_004515983.1	Scaffold543	243414	TT	CC	1940456343
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SNP_P1_194069_243539	NW_004515983.1	Scaffold543	243539	TT	GG	1940456346
SNP_P1_194070_244019	NW_004515983.1	Scaffold543	244019	GG	AA	1940456347

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SNP_P1_194073_244047	NW_004515983.1	Scaffold543	244047	TT	CC	1940456350
SNP_P1_194074_254739	NW_004515983.1	Scaffold543	254739	GG	AA	1940456351
SNP_P1_194075_281969	NW_004515983.1	Scaffold543	281969	GG	AA	1940456352
SNP_P1_194077_298401	NW_004515983.1	Scaffold543	298401	AA	GG	1940456353
SNP_P1_194078_299476	NW_004515983.1	Scaffold543	299476	AA	GG	1940456354
SNP_P1_194079_299501	NW_004515983.1	Scaffold543	299501	TT	GG	1940456355
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SNP_P1_194083_766	NW_004515984.1	Scaffold544	766	GG	AA	1940456359
SNP_P1_194084_779	NW_004515984.1	Scaffold544	779	GG	AA	1940456360
SNP_P1_194085_1113	NW_004515984.1	Scaffold544	1113	AA	CC	1940456361
SNP_P1_194086_1196	NW_004515984.1	Scaffold544	1196	TT	AA	1940456362
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SNP_P1_194099_7148	NW_004515984.1	Scaffold544	7148	AA	CC	1940456375
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SNP_P1_194113_16223	NW_004515984.1	Scaffold544	16223	TT	GG	1940456388
SNP_P1_194114_16442	NW_004515984.1	Scaffold544	16442	TT	GG	1940456389

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194116_17014	NW_004515984.1	Scaffold544	17014	GG	TT	1940456391
SNP_P1_194117_18432	NW_004515984.1	Scaffold544	18432	GG	AA	1940456392
SNP_P1_194118_18778	NW_004515984.1	Scaffold544	18778	CC	TT	1940456393
SNP_P1_194119_18867	NW_004515984.1	Scaffold544	18867	CC	TT	1940456394
SNP_P1_194120_19226	NW_004515984.1	Scaffold544	19226	GG	AA	1940456395
SNP_P1_194121_21995	NW_004515984.1	Scaffold544	21995	TT	CC	1940456396
SNP_P1_194122_22703	NW_004515984.1	Scaffold544	22703	AA	TT	1940456397
SNP_P1_194123_28889	NW_004515984.1	Scaffold544	28889	TT	CC	1940456398
SNP_P1_194124_31298	NW_004515984.1	Scaffold544	31298	TT	CC	1940456400
SNP_P1_194125_32467	NW_004515984.1	Scaffold544	32467	CC	GG	1940456401
SNP_P1_194126_33387	NW_004515984.1	Scaffold544	33387	AA	GG	1940456402
SNP_P1_194127_34725	NW_004515984.1	Scaffold544	34725	CC	AA	1940456403
SNP_P1_194128_35395	NW_004515984.1	Scaffold544	35395	AA	GG	1940456404
SNP_P1_194129_35616	NW_004515984.1	Scaffold544	35616	AA	GG	1940456405
SNP_P1_194130_35691	NW_004515984.1	Scaffold544	35691	TT	GG	1940456406
SNP_P1_194131_41626	NW_004515984.1	Scaffold544	41626	GG	TT	1940456407
SNP_P1_194132_41640	NW_004515984.1	Scaffold544	41640	TT	CC	1940456408
SNP_P1_194133_41655	NW_004515984.1	Scaffold544	41655	TT	CC	1940456409
SNP_P1_194135_41696	NW_004515984.1	Scaffold544	41696	AA	CC	1940456410
SNP_P1_194136_42746	NW_004515984.1	Scaffold544	42746	TT	GG	1940456411
SNP_P1_194138_46220	NW_004515984.1	Scaffold544	46220	GG	AA	1940456412
SNP_P1_194139_46973	NW_004515984.1	Scaffold544	46973	AA	CC	1940456413
SNP_P1_194140_47175	NW_004515984.1	Scaffold544	47175	GG	CC	1940456414
SNP_P1_194141_47961	NW_004515984.1	Scaffold544	47961	GG	TT	1940456415
SNP_P1_194142_48452	NW_004515984.1	Scaffold544	48452	AA	CC	1940456416
SNP_P1_194143_48540	NW_004515984.1	Scaffold544	48540	TT	CC	1940456417
SNP_P1_194144_50565	NW_004515984.1	Scaffold544	50565	CC	TT	1940456418
SNP_P1_194145_50724	NW_004515984.1	Scaffold544	50724	TT	AA	1940456419
SNP_P1_194146_50913	NW_004515984.1	Scaffold544	50913	CC	GG	1940456420
SNP_P1_194147_51277	NW_004515984.1	Scaffold544	51277	TT	GG	1940456421
SNP_P1_194148_51302	NW_004515984.1	Scaffold544	51302	AA	GG	1940456422
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SNP_P1_194150_51366	NW_004515984.1	Scaffold544	51366	TT	CC	1940456424
SNP_P1_194151_51395	NW_004515984.1	Scaffold544	51395	GG	CC	1940456425
SNP_P1_194152_51456	NW_004515984.1	Scaffold544	51456	CC	TT	1940456426
SNP_P1_194153_51732	NW_004515984.1	Scaffold544	51732	GG	AA	1940456427
SNP_P1_194154_51782	NW_004515984.1	Scaffold544	51782	GG	AA	1940456428
SNP_P1_194155_51878	NW_004515984.1	Scaffold544	51878	AA	TT	1940456429
SNP_P1_194156_51973	NW_004515984.1	Scaffold544	51973	GG	CC	1940456430
SNP_P1_194157_52482	NW_004515984.1	Scaffold544	52482	GG	CC	1940456431
SNP_P1_194158_52709	NW_004515984.1	Scaffold544	52709	CC	TT	1940456432

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194160_52872	NW_004515984.1	Scaffold544	52872	TT	CC	1940456434
SNP_P1_194161_52913	NW_004515984.1	Scaffold544	52913	TT	CC	1940456435
SNP_P1_194162_53016	NW_004515984.1	Scaffold544	53016	AA	GG	1940456436
SNP_P1_194163_53141	NW_004515984.1	Scaffold544	53141	TT	GG	1940456437
SNP_P1_194164_53281	NW_004515984.1	Scaffold544	53281	TT	CC	1940456438
SNP_P1_194165_53972	NW_004515984.1	Scaffold544	53972	TT	CC	1940456439
SNP_P1_194166_54371	NW_004515984.1	Scaffold544	54371	GG	AA	1940456440
SNP_P1_194167_55066	NW_004515984.1	Scaffold544	55066	AA	TT	1940456441
SNP_P1_194168_55067	NW_004515984.1	Scaffold544	55067	AA	TT	1940456442
SNP_P1_194169_55436	NW_004515984.1	Scaffold544	55436	TT	CC	1940456443
SNP_P1_194170_56072	NW_004515984.1	Scaffold544	56072	GG	AA	1940456444
SNP_P1_194171_56579	NW_004515984.1	Scaffold544	56579	GG	AA	1940456445
SNP_P1_194172_56745	NW_004515984.1	Scaffold544	56745	AA	CC	1940456446
SNP_P1_194173_56763	NW_004515984.1	Scaffold544	56763	TT	CC	1940456447
SNP_P1_194174_56783	NW_004515984.1	Scaffold544	56783	GG	TT	1940456448
SNP_P1_194175_56827	NW_004515984.1	Scaffold544	56827	GG	AA	1940456449
SNP_P1_194176_56868	NW_004515984.1	Scaffold544	56868	TT	AA	1940456450
SNP_P1_194177_57046	NW_004515984.1	Scaffold544	57046	TT	AA	1940456451
SNP_P1_194178_57187	NW_004515984.1	Scaffold544	57187	AA	CC	1940456452
SNP_P1_194179_58444	NW_004515984.1	Scaffold544	58444	TT	CC	1940456453
SNP_P1_194180_58647	NW_004515984.1	Scaffold544	58647	AA	TT	1940456454
SNP_P1_194181_58769	NW_004515984.1	Scaffold544	58769	TT	AA	1940456455
SNP_P1_194183_59155	NW_004515984.1	Scaffold544	59155	TT	AA	1940456456
SNP_P1_194184_59826	NW_004515984.1	Scaffold544	59826	AA	TT	1940456457
SNP_P1_194185_59836	NW_004515984.1	Scaffold544	59836	CC	GG	1940456458
SNP_P1_194186_59955	NW_004515984.1	Scaffold544	59955	TT	AA	1940456459
SNP_P1_194187_60052	NW_004515984.1	Scaffold544	60052	GG	AA	1940456460
SNP_P1_194188_60152	NW_004515984.1	Scaffold544	60152	GG	AA	1940456461
SNP_P1_194189_60264	NW_004515984.1	Scaffold544	60264	AA	GG	1940456462
SNP_P1_194190_60497	NW_004515984.1	Scaffold544	60497	GG	AA	1940456463
SNP_P1_194191_60568	NW_004515984.1	Scaffold544	60568	AA	GG	1940456464
SNP_P1_194192_60593	NW_004515984.1	Scaffold544	60593	TT	CC	1940456465
SNP_P1_194193_60651	NW_004515984.1	Scaffold544	60651	TT	AA	1940456466
SNP_P1_194194_60703	NW_004515984.1	Scaffold544	60703	AA	GG	1940456467
SNP_P1_194195_60913	NW_004515984.1	Scaffold544	60913	CC	GG	1940456468
SNP_P1_194196_61062	NW_004515984.1	Scaffold544	61062	AA	GG	1940456469
SNP_P1_194197_61167	NW_004515984.1	Scaffold544	61167	GG	TT	1940456470
SNP_P1_194198_61225	NW_004515984.1	Scaffold544	61225	TT	GG	1940456471
SNP_P1_194199_61403	NW_004515984.1	Scaffold544	61403	AA	GG	1940456472
SNP_P1_194200_61422	NW_004515984.1	Scaffold544	61422	AA	TT	1940456473
SNP_P1_194201_61558	NW_004515984.1	Scaffold544	61558	TT	GG	1940456474

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194203_62489	NW_004515984.1	Scaffold544	62489	TT	AA	1940456476
SNP_P1_194204_62600	NW_004515984.1	Scaffold544	62600	AA	TT	1940456477
SNP_P1_194205_63057	NW_004515984.1	Scaffold544	63057	TT	AA	1940456478
SNP_P1_194206_63062	NW_004515984.1	Scaffold544	63062	TT	GG	1940456479
SNP_P1_194207_63114	NW_004515984.1	Scaffold544	63114	AA	GG	1940456480
SNP_P1_194208_63148	NW_004515984.1	Scaffold544	63148	CC	GG	1940456481
SNP_P1_194209_63161	NW_004515984.1	Scaffold544	63161	AA	GG	1940456482
SNP_P1_194210_63186	NW_004515984.1	Scaffold544	63186	AA	CC	1940456483
SNP_P1_194211_63190	NW_004515984.1	Scaffold544	63190	AA	GG	1940456484
SNP_P1_194212_63331	NW_004515984.1	Scaffold544	63331	AA	GG	1940456485
SNP_P1_194214_63397	NW_004515984.1	Scaffold544	63397	AA	GG	1940456486
SNP_P1_194215_63430	NW_004515984.1	Scaffold544	63430	TT	CC	1940456487
SNP_P1_194217_63945	NW_004515984.1	Scaffold544	63945	AA	GG	1940456488
SNP_P1_194218_64730	NW_004515984.1	Scaffold544	64730	GG	AA	1940456489
SNP_P1_194219_66539	NW_004515984.1	Scaffold544	66539	GG	TT	1940456490
SNP_P1_194220_66553	NW_004515984.1	Scaffold544	66553	GG	CC	1940456491
SNP_P1_194221_66564	NW_004515984.1	Scaffold544	66564	CC	AA	1940456492
SNP_P1_194222_66609	NW_004515984.1	Scaffold544	66609	TT	AA	1940456493
SNP_P1_194224_66956	NW_004515984.1	Scaffold544	66956	CC	AA	1940456494
SNP_P1_194225_67016	NW_004515984.1	Scaffold544	67016	TT	AA	1940456495
SNP_P1_194226_67020	NW_004515984.1	Scaffold544	67020	AA	GG	1940456496
SNP_P1_194227_67389	NW_004515984.1	Scaffold544	67389	TT	CC	1940456497
SNP_P1_194228_67556	NW_004515984.1	Scaffold544	67556	GG	CC	1940456498
SNP_P1_194229_67681	NW_004515984.1	Scaffold544	67681	TT	GG	1940456499
SNP_P1_194230_67746	NW_004515984.1	Scaffold544	67746	CC	AA	1940456500
SNP_P1_194231_67844	NW_004515984.1	Scaffold544	67844	TT	CC	1940456501
SNP_P1_194232_67994	NW_004515984.1	Scaffold544	67994	CC	AA	1940456502
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SNP_P1_194239_69431	NW_004515984.1	Scaffold544	69431	CC	AA	1940456509
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SNP_P1_194241_69598	NW_004515984.1	Scaffold544	69598	CC	TT	1940456511
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SNP_P1_194245_70107	NW_004515984.1	Scaffold544	70107	CC	TT	1940456515
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194248_70446	NW_004515984.1	Scaffold544	70446	TT	AA	1940456518
SNP_P1_194249_70561	NW_004515984.1	Scaffold544	70561	TT	GG	1940456519
SNP_P1_194250_70568	NW_004515984.1	Scaffold544	70568	CC	AA	1940456520
SNP_P1_194251_70597	NW_004515984.1	Scaffold544	70597	GG	CC	1940456522
SNP_P1_194252_76575	NW_004515984.1	Scaffold544	76575	AA	TT	1940456523
SNP_P1_194253_76629	NW_004515984.1	Scaffold544	76629	TT	GG	1940456524
SNP_P1_194254_76630	NW_004515984.1	Scaffold544	76630	GG	AA	1940456525
SNP_P1_194255_76648	NW_004515984.1	Scaffold544	76648	TT	GG	1940456526
SNP_P1_194256_76701	NW_004515984.1	Scaffold544	76701	TT	CC	1940456527
SNP_P1_194257_76761	NW_004515984.1	Scaffold544	76761	AA	CC	1940456528
SNP_P1_194258_76802	NW_004515984.1	Scaffold544	76802	AA	CC	1940456529
SNP_P1_194259_76843	NW_004515984.1	Scaffold544	76843	CC	TT	1940456530
SNP_P1_194260_76882	NW_004515984.1	Scaffold544	76882	TT	CC	1940456531
SNP_P1_194261_77194	NW_004515984.1	Scaffold544	77194	TT	AA	1940456532
SNP_P1_194262_77327	NW_004515984.1	Scaffold544	77327	GG	AA	1940456533
SNP_P1_194263_77345	NW_004515984.1	Scaffold544	77345	TT	AA	1940456534
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SNP_P1_194265_77600	NW_004515984.1	Scaffold544	77600	AA	CC	1940456536
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SNP_P1_194268_81749	NW_004515984.1	Scaffold544	81749	TT	AA	1940456539
SNP_P1_194269_82305	NW_004515984.1	Scaffold544	82305	CC	AA	1940456540
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SNP_P1_194272_84031	NW_004515984.1	Scaffold544	84031	AA	GG	1940456542
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SNP_P1_194282_87323	NW_004515984.1	Scaffold544	87323	TT	CC	1940456551
SNP_P1_194283_87367	NW_004515984.1	Scaffold544	87367	TT	CC	1940456552
SNP_P1_194284_87930	NW_004515984.1	Scaffold544	87930	GG	AA	1940456553
SNP_P1_194285_88599	NW_004515984.1	Scaffold544	88599	AA	GG	1940456554
SNP_P1_194286_88671	NW_004515984.1	Scaffold544	88671	CC	GG	1940456555
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SNP_P1_194289_90072	NW_004515984.1	Scaffold544	90072	TT	GG	1940456558
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194294_91039	NW_004515984.1	Scaffold544	91039	AA	CC	1940456563
SNP_P1_194295_91042	NW_004515984.1	Scaffold544	91042	CC	TT	1940456564
SNP_P1_194296_91048	NW_004515984.1	Scaffold544	91048	AA	GG	1940456565
SNP_P1_194297_91058	NW_004515984.1	Scaffold544	91058	AA	TT	1940456566
SNP_P1_194298_92914	NW_004515984.1	Scaffold544	92914	GG	CC	1940456567
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SNP_P1_194301_96205	NW_004515984.1	Scaffold544	96205	AA	GG	1940456570
SNP_P1_194302_96372	NW_004515984.1	Scaffold544	96372	AA	TT	1940456571
SNP_P1_194303_96496	NW_004515984.1	Scaffold544	96496	TT	GG	1940456572
SNP_P1_194304_96504	NW_004515984.1	Scaffold544	96504	TT	CC	1940456573
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SNP_P1_194313_100403	NW_004515984.1	Scaffold544	100403	AA	TT	1940456582
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SNP_P1_194315_100412	NW_004515984.1	Scaffold544	100412	CC	TT	1940456584
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SNP_P1_194317_103650	NW_004515984.1	Scaffold544	103650	CC	AA	1940456586
SNP_P1_194318_103687	NW_004515984.1	Scaffold544	103687	CC	TT	1940456587
SNP_P1_194319_103703	NW_004515984.1	Scaffold544	103703	GG	AA	1940456588
SNP_P1_194320_104921	NW_004515984.1	Scaffold544	104921	AA	GG	1940456589
SNP_P1_194322_105485	NW_004515984.1	Scaffold544	105485	TT	CC	1940456590
SNP_P1_194323_105687	NW_004515984.1	Scaffold544	105687	GG	AA	1940456591
SNP_P1_194324_105804	NW_004515984.1	Scaffold544	105804	AA	CC	1940456592
SNP_P1_194325_106318	NW_004515984.1	Scaffold544	106318	GG	TT	1940456593
SNP_P1_194326_107005	NW_004515984.1	Scaffold544	107005	AA	GG	1940456594
SNP_P1_194327_110068	NW_004515984.1	Scaffold544	110068	CC	TT	1940456595
SNP_P1_194328_110079	NW_004515984.1	Scaffold544	110079	GG	AA	1940456596
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SNP_P1_194330_111076	NW_004515984.1	Scaffold544	111076	CC	AA	1940456598
SNP_P1_194331_111372	NW_004515984.1	Scaffold544	111372	TT	GG	1940456599
SNP_P1_194332_111405	NW_004515984.1	Scaffold544	111405	AA	GG	1940456600
SNP_P1_194333_111422	NW_004515984.1	Scaffold544	111422	GG	TT	1940456601

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SNP_P1_194337_119001	NW_004515984.1	Scaffold544	119001	CC	TT	1940456605
SNP_P1_194338_119800	NW_004515984.1	Scaffold544	119800	GG	TT	1940456606
SNP_P1_194339_120219	NW_004515984.1	Scaffold544	120219	GG	AA	1940456607
SNP_P1_194340_120230	NW_004515984.1	Scaffold544	120230	AA	TT	1940456608
SNP_P1_194341_120232	NW_004515984.1	Scaffold544	120232	TT	CC	1940456609
SNP_P1_194342_120398	NW_004515984.1	Scaffold544	120398	CC	TT	1940456610
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SNP_P1_194356_123991	NW_004515984.1	Scaffold544	123991	CC	TT	1940456624
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194380_127464	NW_004515984.1	Scaffold544	127464	CC	TT	1940456647
SNP_P1_194381_128362	NW_004515984.1	Scaffold544	128362	TT	AA	1940456648
SNP_P1_194382_129270	NW_004515984.1	Scaffold544	129270	TT	GG	1940456649
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SNP_P1_194386_131309	NW_004515984.1	Scaffold544	131309	AA	TT	1940456653
SNP_P1_194387_131412	NW_004515984.1	Scaffold544	131412	GG	AA	1940456654
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SNP_P1_194389_131771	NW_004515984.1	Scaffold544	131771	AA	GG	1940456656
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SNP_P1_194392_134115	NW_004515984.1	Scaffold544	134115	TT	CC	1940456659
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SNP_P1_194401_137617	NW_004515984.1	Scaffold544	137617	GG	CC	1940456667
SNP_P1_194402_137779	NW_004515984.1	Scaffold544	137779	AA	GG	1940456669
SNP_P1_194403_138478	NW_004515984.1	Scaffold544	138478	AA	GG	1940456670
SNP_P1_194404_141614	NW_004515984.1	Scaffold544	141614	AA	GG	1940456671
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SNP_P1_194410_150505	NW_004515984.1	Scaffold544	150505	AA	CC	1940456675
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SNP_P1_194416_168400	NW_004515984.1	Scaffold544	168400	AA	TT	1940456681
SNP_P1_194417_169856	NW_004515984.1	Scaffold544	169856	CC	TT	1940456682
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SNP_P1_194419_175333	NW_004515984.1	Scaffold544	175333	AA	TT	1940456684
SNP_P1_194420_176733	NW_004515984.1	Scaffold544	176733	AA	TT	1940456685
SNP_P1_194421_176787	NW_004515984.1	Scaffold544	176787	CC	TT	1940456686

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194424_177029	NW_004515984.1	Scaffold544	177029	AA	CC	1940456689
SNP_P1_194425_177055	NW_004515984.1	Scaffold544	177055	AA	GG	1940456690
SNP_P1_194426_177090	NW_004515984.1	Scaffold544	177090	AA	TT	1940456691
SNP_P1_194427_177394	NW_004515984.1	Scaffold544	177394	TT	AA	1940456692
SNP_P1_194428_180869	NW_004515984.1	Scaffold544	180869	TT	CC	1940456693
SNP_P1_194429_180900	NW_004515984.1	Scaffold544	180900	TT	CC	1940456694
SNP_P1_194430_180926	NW_004515984.1	Scaffold544	180926	TT	AA	1940456695
SNP_P1_194431_181184	NW_004515984.1	Scaffold544	181184	CC	AA	1940456696
SNP_P1_194432_181190	NW_004515984.1	Scaffold544	181190	CC	TT	1940456697
SNP_P1_194433_181200	NW_004515984.1	Scaffold544	181200	CC	GG	1940456698
SNP_P1_194434_181201	NW_004515984.1	Scaffold544	181201	CC	TT	1940456699
SNP_P1_194435_181226	NW_004515984.1	Scaffold544	181226	GG	AA	1940456700
SNP_P1_194436_181230	NW_004515984.1	Scaffold544	181230	CC	TT	1940456701
SNP_P1_194437_181260	NW_004515984.1	Scaffold544	181260	CC	TT	1940456702
SNP_P1_194438_181318	NW_004515984.1	Scaffold544	181318	TT	CC	1940456703
SNP_P1_194439_181703	NW_004515984.1	Scaffold544	181703	AA	CC	1940456704
SNP_P1_194440_181718	NW_004515984.1	Scaffold544	181718	CC	AA	1940456705
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SNP_P1_194443_182054	NW_004515984.1	Scaffold544	182054	GG	AA	1940456708
SNP_P1_194444_182089	NW_004515984.1	Scaffold544	182089	GG	AA	1940456709
SNP_P1_194445_182475	NW_004515984.1	Scaffold544	182475	TT	CC	1940456710
SNP_P1_194446_186014	NW_004515984.1	Scaffold544	186014	AA	TT	1940456711
SNP_P1_194447_189849	NW_004515984.1	Scaffold544	189849	GG	CC	1940456712
SNP_P1_194448_190171	NW_004515984.1	Scaffold544	190171	TT	CC	1940456713
SNP_P1_194449_190297	NW_004515984.1	Scaffold544	190297	GG	AA	1940456714
SNP_P1_194450_191887	NW_004515984.1	Scaffold544	191887	AA	TT	1940456715
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SNP_P1_194452_193786	NW_004515984.1	Scaffold544	193786	GG	TT	1940456717
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SNP_P1_194454_195078	NW_004515984.1	Scaffold544	195078	AA	GG	1940456719
SNP_P1_194455_195251	NW_004515984.1	Scaffold544	195251	CC	AA	1940456720
SNP_P1_194456_195257	NW_004515984.1	Scaffold544	195257	AA	GG	1940456721
SNP_P1_194457_195351	NW_004515984.1	Scaffold544	195351	CC	GG	1940456722
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SNP_P1_194460_208448	NW_004515984.1	Scaffold544	208448	TT	AA	1940456725
SNP_P1_194461_208890	NW_004515984.1	Scaffold544	208890	CC	TT	1940456726
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194466_212349	NW_004515984.1	Scaffold544	212349	AA	TT	1940456731
SNP_P1_194467_212748	NW_004515984.1	Scaffold544	212748	AA	TT	1940456732
SNP_P1_194468_212793	NW_004515984.1	Scaffold544	212793	CC	AA	1940456733
SNP_P1_194469_213365	NW_004515984.1	Scaffold544	213365	GG	TT	1940456734
SNP_P1_194470_214295	NW_004515984.1	Scaffold544	214295	GG	AA	1940456735
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SNP_P1_194475_216939	NW_004515984.1	Scaffold544	216939	GG	AA	1940456740
SNP_P1_194476_216947	NW_004515984.1	Scaffold544	216947	AA	TT	1940456741
SNP_P1_194477_217025	NW_004515984.1	Scaffold544	217025	TT	GG	1940456742
SNP_P1_194478_217099	NW_004515984.1	Scaffold544	217099	AA	TT	1940456743
SNP_P1_194479_217119	NW_004515984.1	Scaffold544	217119	AA	CC	1940456744
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SNP_P1_194481_218230	NW_004515984.1	Scaffold544	218230	AA	TT	1940456746
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SNP_P1_194483_225324	NW_004515984.1	Scaffold544	225324	GG	CC	1940456748
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SNP_P1_194485_228197	NW_004515984.1	Scaffold544	228197	CC	TT	1940456750
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SNP_P1_194487_230992	NW_004515984.1	Scaffold544	230992	AA	GG	1940456752
SNP_P1_194488_231750	NW_004515984.1	Scaffold544	231750	CC	TT	1940456753
SNP_P1_194489_231937	NW_004515984.1	Scaffold544	231937	CC	GG	1940456754
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SNP_P1_194499_237321	NW_004515984.1	Scaffold544	237321	TT	CC	1940456764
SNP_P1_194500_237344	NW_004515984.1	Scaffold544	237344	CC	TT	1940456765
SNP_P1_194502_237593	NW_004515984.1	Scaffold544	237593	CC	AA	1940456766
SNP_P1_194503_237637	NW_004515984.1	Scaffold544	237637	GG	AA	1940456767
SNP_P1_194504_238091	NW_004515984.1	Scaffold544	238091	TT	CC	1940456768
SNP_P1_194505_238477	NW_004515984.1	Scaffold544	238477	CC	TT	1940456769
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SNP_P1_194509_240026	NW_004515984.1	Scaffold544	240026	AA	GG	1940456773
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SNP_P1_194518_244648	NW_004515984.1	Scaffold544	244648	AA	TT	1940456782
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SNP_P1_194520_248219	NW_004515984.1	Scaffold544	248219	CC	TT	1940456784
SNP_P1_194521_248484	NW_004515984.1	Scaffold544	248484	TT	AA	1940456785
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SNP_P1_194526_249102	NW_004515984.1	Scaffold544	249102	TT	GG	1940456790
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SNP_P1_194550_278630	NW_004515984.1	Scaffold544	278630	CC	GG	1940456810
SNP_P1_194551_279031	NW_004515984.1	Scaffold544	279031	TT	CC	1940456811
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194554_286833	NW_004515984.1	Scaffold544	286833	TT	CC	1940456814
SNP_P1_194555_287378	NW_004515984.1	Scaffold544	287378	GG	TT	1940456815
SNP_P1_194556_287417	NW_004515984.1	Scaffold544	287417	GG	CC	1940456816
SNP_P1_194557_287425	NW_004515984.1	Scaffold544	287425	CC	TT	1940456817
SNP_P1_194558_287486	NW_004515984.1	Scaffold544	287486	TT	CC	1940456818
SNP_P1_194559_287527	NW_004515984.1	Scaffold544	287527	CC	AA	1940456819
SNP_P1_194560_292508	NW_004515984.1	Scaffold544	292508	CC	GG	1940456820
SNP_P1_194561_293980	NW_004515984.1	Scaffold544	293980	CC	GG	1940456821
SNP_P1_194562_294175	NW_004515984.1	Scaffold544	294175	GG	AA	1940456822
SNP_P1_194563_294350	NW_004515984.1	Scaffold544	294350	TT	AA	1940456823
SNP_P1_194565_295195	NW_004515984.1	Scaffold544	295195	AA	TT	1940456824
SNP_P1_194567_296498	NW_004515984.1	Scaffold544	296498	GG	AA	1940456825
SNP_P1_194568_313058	NW_004515984.1	Scaffold544	313058	AA	TT	1940456826
SNP_P1_194569_315557	NW_004515984.1	Scaffold544	315557	TT	GG	1940456827
SNP_P1_194570_315997	NW_004515984.1	Scaffold544	315997	TT	CC	1940456828
SNP_P1_194571_316512	NW_004515984.1	Scaffold544	316512	CC	AA	1940456830
SNP_P1_194572_318317	NW_004515984.1	Scaffold544	318317	GG	AA	1940456831
SNP_P1_194573_318338	NW_004515984.1	Scaffold544	318338	AA	CC	1940456832
SNP_P1_194574_318435	NW_004515984.1	Scaffold544	318435	TT	AA	1940456833
SNP_P1_194575_318662	NW_004515984.1	Scaffold544	318662	TT	CC	1940456834
SNP_P1_194577_318787	NW_004515984.1	Scaffold544	318787	CC	TT	1940456835
SNP_P1_194578_318832	NW_004515984.1	Scaffold544	318832	AA	CC	1940456836
SNP_P1_194579_320233	NW_004515984.1	Scaffold544	320233	GG	AA	1940456837
SNP_P1_194580_320362	NW_004515984.1	Scaffold544	320362	CC	TT	1940456838
SNP_P1_194581_320400	NW_004515984.1	Scaffold544	320400	CC	TT	1940456839
SNP_P1_194582_320472	NW_004515984.1	Scaffold544	320472	AA	GG	1940456840
SNP_P1_194583_320736	NW_004515984.1	Scaffold544	320736	TT	CC	1940456841
SNP_P1_194584_322569	NW_004515984.1	Scaffold544	322569	GG	CC	1940456842
SNP_P1_194585_327192	NW_004515984.1	Scaffold544	327192	CC	TT	1940456843
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SNP_P1_194589_329115	NW_004515984.1	Scaffold544	329115	CC	TT	1940456847
SNP_P1_194590_329179	NW_004515984.1	Scaffold544	329179	GG	TT	1940456848
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SNP_P1_194596_333267	NW_004515984.1	Scaffold544	333267	CC	AA	1940456854
SNP_P1_194597_336840	NW_004515984.1	Scaffold544	336840	CC	TT	1940456855

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194599_338581	NW_004515984.1	Scaffold544	338581	CC	GG	1940456857
SNP_P1_194600_341655	NW_004515984.1	Scaffold544	341655	TT	CC	1940456858
SNP_P1_194603_344541	NW_004515984.1	Scaffold544	344541	CC	AA	1940456859
SNP_P1_194604_356900	NW_004515984.1	Scaffold544	356900	CC	TT	1940456860
SNP_P1_194605_742	NW_004515985.1	Scaffold545	742	TT	GG	1940456861
SNP_P1_194606_11053	NW_004515985.1	Scaffold545	11053	AA	GG	1940456862
SNP_P1_194607_11131	NW_004515985.1	Scaffold545	11131	CC	AA	1940456863
SNP_P1_194608_11191	NW_004515985.1	Scaffold545	11191	CC	AA	1940456864
SNP_P1_194609_11444	NW_004515985.1	Scaffold545	11444	GG	AA	1940456865
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SNP_P1_194611_11462	NW_004515985.1	Scaffold545	11462	AA	GG	1940456867
SNP_P1_194612_11485	NW_004515985.1	Scaffold545	11485	AA	CC	1940456868
SNP_P1_194613_11549	NW_004515985.1	Scaffold545	11549	TT	CC	1940456869
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SNP_P1_194615_11558	NW_004515985.1	Scaffold545	11558	GG	AA	1940456871
SNP_P1_194616_11568	NW_004515985.1	Scaffold545	11568	AA	GG	1940456872
SNP_P1_194617_11732	NW_004515985.1	Scaffold545	11732	TT	GG	1940456873
SNP_P1_194618_12395	NW_004515985.1	Scaffold545	12395	AA	GG	1940456874
SNP_P1_194619_12780	NW_004515985.1	Scaffold545	12780	AA	GG	1940456875
SNP_P1_194620_12944	NW_004515985.1	Scaffold545	12944	TT	CC	1940456876
SNP_P1_194621_35697	NW_004515985.1	Scaffold545	35697	TT	CC	1940456877
SNP_P1_194622_56244	NW_004515985.1	Scaffold545	56244	AA	GG	1940456878
SNP_P1_194623_56248	NW_004515985.1	Scaffold545	56248	TT	CC	1940456879
SNP_P1_194624_88303	NW_004515985.1	Scaffold545	88303	AA	GG	1940456880
SNP_P1_194625_88341	NW_004515985.1	Scaffold545	88341	AA	TT	1940456881
SNP_P1_194626_109160	NW_004515985.1	Scaffold545	109160	AA	TT	1940456882
SNP_P1_194628_155804	NW_004515985.1	Scaffold545	155804	TT	CC	1940456883
SNP_P1_194629_171753	NW_004515985.1	Scaffold545	171753	GG	AA	1940456884
SNP_P1_194630_172130	NW_004515985.1	Scaffold545	172130	GG	AA	1940456885
SNP_P1_194632_178819	NW_004515985.1	Scaffold545	178819	CC	AA	1940456886
SNP_P1_194633_183747	NW_004515985.1	Scaffold545	183747	GG	TT	1940456887
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SNP_P1_194635_183807	NW_004515985.1	Scaffold545	183807	AA	TT	1940456889
SNP_P1_194636_183948	NW_004515985.1	Scaffold545	183948	CC	AA	1940456890
SNP_P1_194637_183954	NW_004515985.1	Scaffold545	183954	CC	TT	1940456891
SNP_P1_194638_190462	NW_004515985.1	Scaffold545	190462	AA	GG	1940456892
SNP_P1_194639_192228	NW_004515985.1	Scaffold545	192228	AA	GG	1940456893
SNP_P1_194640_192264	NW_004515985.1	Scaffold545	192264	GG	TT	1940456894
SNP_P1_194641_192272	NW_004515985.1	Scaffold545	192272	AA	GG	1940456895
SNP_P1_194642_192418	NW_004515985.1	Scaffold545	192418	GG	AA	1940456896
SNP_P1_194643_192709	NW_004515985.1	Scaffold545	192709	AA	TT	1940456897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194646_206799	NW_004515985.1	Scaffold545	206799	GG	AA	1940456899
SNP_P1_194647_207866	NW_004515985.1	Scaffold545	207866	TT	CC	1940456900
SNP_P1_194649_224606	NW_004515985.1	Scaffold545	224606	AA	TT	1940456901
SNP_P1_194650_224633	NW_004515985.1	Scaffold545	224633	GG	AA	1940456902
SNP_P1_194651_256956	NW_004515985.1	Scaffold545	256956	AA	CC	1940456903
SNP_P1_194652_257316	NW_004515985.1	Scaffold545	257316	GG	AA	1940456904
SNP_P1_194653_257357	NW_004515985.1	Scaffold545	257357	TT	GG	1940456905
SNP_P1_194654_257362	NW_004515985.1	Scaffold545	257362	GG	AA	1940456906
SNP_P1_194655_257366	NW_004515985.1	Scaffold545	257366	CC	AA	1940456907
SNP_P1_194656_257376	NW_004515985.1	Scaffold545	257376	AA	TT	1940456908
SNP_P1_194657_257381	NW_004515985.1	Scaffold545	257381	GG	AA	1940456909
SNP_P1_194658_262935	NW_004515985.1	Scaffold545	262935	CC	TT	1940456910
SNP_P1_194659_279466	NW_004515985.1	Scaffold545	279466	CC	TT	1940456911
SNP_P1_194660_279505	NW_004515985.1	Scaffold545	279505	AA	GG	1940456912
SNP_P1_194661_279530	NW_004515985.1	Scaffold545	279530	GG	AA	1940456913
SNP_P1_194662_279532	NW_004515985.1	Scaffold545	279532	GG	AA	1940456914
SNP_P1_194663_279667	NW_004515985.1	Scaffold545	279667	CC	TT	1940456915
SNP_P1_194664_279739	NW_004515985.1	Scaffold545	279739	TT	CC	1940456916
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SNP_P1_194666_279775	NW_004515985.1	Scaffold545	279775	AA	GG	1940456918
SNP_P1_194667_279799	NW_004515985.1	Scaffold545	279799	CC	TT	1940456919
SNP_P1_194668_281233	NW_004515985.1	Scaffold545	281233	GG	AA	1940456920
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SNP_P1_194670_4557	NW_004515986.1	Scaffold546	4557	GG	CC	1940456922
SNP_P1_194671_4649	NW_004515986.1	Scaffold546	4649	AA	CC	1940456923
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SNP_P1_194674_9427	NW_004515986.1	Scaffold546	9427	AA	GG	1940456926
SNP_P1_194675_14288	NW_004515986.1	Scaffold546	14288	AA	GG	1940456927
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SNP_P1_194684_54156	NW_004515986.1	Scaffold546	54156	CC	TT	1940456936
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SNP_P1_194686_54990	NW_004515986.1	Scaffold546	54990	CC	TT	1940456938
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194690_55229	NW_004515986.1	Scaffold546	55229	TT	GG	1940456942
SNP_P1_194691_55273	NW_004515986.1	Scaffold546	55273	CC	GG	1940456943
SNP_P1_194692_55274	NW_004515986.1	Scaffold546	55274	CC	TT	1940456944
SNP_P1_194693_55304	NW_004515986.1	Scaffold546	55304	GG	AA	1940456945
SNP_P1_194694_55305	NW_004515986.1	Scaffold546	55305	TT	AA	1940456946
SNP_P1_194695_55337	NW_004515986.1	Scaffold546	55337	CC	GG	1940456947
SNP_P1_194696_55413	NW_004515986.1	Scaffold546	55413	GG	AA	1940456948
SNP_P1_194697_55421	NW_004515986.1	Scaffold546	55421	CC	TT	1940456949
SNP_P1_194698_55469	NW_004515986.1	Scaffold546	55469	TT	GG	1940456950
SNP_P1_194699_55475	NW_004515986.1	Scaffold546	55475	TT	CC	1940456951
SNP_P1_194700_55490	NW_004515986.1	Scaffold546	55490	CC	AA	1940456952
SNP_P1_194701_55511	NW_004515986.1	Scaffold546	55511	CC	GG	1940456953
SNP_P1_194702_55544	NW_004515986.1	Scaffold546	55544	AA	TT	1940456954
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SNP_P1_194704_55561	NW_004515986.1	Scaffold546	55561	CC	AA	1940456956
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SNP_P1_194706_55625	NW_004515986.1	Scaffold546	55625	AA	CC	1940456958
SNP_P1_194707_55632	NW_004515986.1	Scaffold546	55632	GG	CC	1940456959
SNP_P1_194708_55633	NW_004515986.1	Scaffold546	55633	TT	AA	1940456960
SNP_P1_194709_55690	NW_004515986.1	Scaffold546	55690	GG	TT	1940456961
SNP_P1_194710_55708	NW_004515986.1	Scaffold546	55708	AA	TT	1940456962
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SNP_P1_194726_66873	NW_004515986.1	Scaffold546	66873	TT	AA	1940456978
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194733_68037	NW_004515986.1	Scaffold546	68037	TT	AA	1940456984
SNP_P1_194734_68061	NW_004515986.1	Scaffold546	68061	CC	TT	1940456985
SNP_P1_194735_70157	NW_004515986.1	Scaffold546	70157	TT	GG	1940456986
SNP_P1_194736_70170	NW_004515986.1	Scaffold546	70170	AA	GG	1940456987
SNP_P1_194737_72689	NW_004515986.1	Scaffold546	72689	CC	TT	1940456988
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SNP_P1_194749_82247	NW_004515986.1	Scaffold546	82247	GG	AA	1940457001
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SNP_P1_194759_85101	NW_004515986.1	Scaffold546	85101	AA	GG	1940457011
SNP_P1_194760_85259	NW_004515986.1	Scaffold546	85259	CC	AA	1940457012
SNP_P1_194761_85864	NW_004515986.1	Scaffold546	85864	GG	AA	1940457013
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SNP_P1_194765_86210	NW_004515986.1	Scaffold546	86210	TT	GG	1940457016
SNP_P1_194767_86333	NW_004515986.1	Scaffold546	86333	AA	GG	1940457017
SNP_P1_194768_86434	NW_004515986.1	Scaffold546	86434	AA	GG	1940457018
SNP_P1_194769_86491	NW_004515986.1	Scaffold546	86491	TT	CC	1940457019
SNP_P1_194770_86602	NW_004515986.1	Scaffold546	86602	TT	CC	1940457020
SNP_P1_194771_86604	NW_004515986.1	Scaffold546	86604	GG	AA	1940457021
SNP_P1_194772_86658	NW_004515986.1	Scaffold546	86658	AA	CC	1940457022
SNP_P1_194773_86726	NW_004515986.1	Scaffold546	86726	AA	GG	1940457023
SNP_P1_194774_86755	NW_004515986.1	Scaffold546	86755	TT	AA	1940457024

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SNP_P1_194776_86869	NW_004515986.1	Scaffold546	86869	TT	CC	1940457026
SNP_P1_194777_86999	NW_004515986.1	Scaffold546	86999	AA	CC	1940457027
SNP_P1_194778_87086	NW_004515986.1	Scaffold546	87086	AA	CC	1940457028
SNP_P1_194779_87161	NW_004515986.1	Scaffold546	87161	TT	CC	1940457029
SNP_P1_194780_87184	NW_004515986.1	Scaffold546	87184	AA	GG	1940457030
SNP_P1_194781_87186	NW_004515986.1	Scaffold546	87186	TT	GG	1940457031
SNP_P1_194782_87385	NW_004515986.1	Scaffold546	87385	TT	CC	1940457032
SNP_P1_194783_87953	NW_004515986.1	Scaffold546	87953	GG	AA	1940457033
SNP_P1_194784_1215	NW_004515987.1	Scaffold547	1215	CC	GG	1940457034
SNP_P1_194785_1242	NW_004515987.1	Scaffold547	1242	TT	CC	1940457035
SNP_P1_194786_1275	NW_004515987.1	Scaffold547	1275	TT	GG	1940457036
SNP_P1_194787_1779	NW_004515987.1	Scaffold547	1779	AA	GG	1940457037
SNP_P1_194788_1804	NW_004515987.1	Scaffold547	1804	AA	GG	1940457038
SNP_P1_194789_1815	NW_004515987.1	Scaffold547	1815	TT	CC	1940457039
SNP_P1_194790_1870	NW_004515987.1	Scaffold547	1870	TT	CC	1940457040
SNP_P1_194791_1924	NW_004515987.1	Scaffold547	1924	TT	CC	1940457041
SNP_P1_194792_1946	NW_004515987.1	Scaffold547	1946	CC	TT	1940457042
SNP_P1_194793_2013	NW_004515987.1	Scaffold547	2013	TT	AA	1940457043
SNP_P1_194794_2045	NW_004515987.1	Scaffold547	2045	GG	AA	1940457044
SNP_P1_194795_2061	NW_004515987.1	Scaffold547	2061	TT	CC	1940457045
SNP_P1_194796_2408	NW_004515987.1	Scaffold547	2408	TT	GG	1940457046
SNP_P1_194797_2515	NW_004515987.1	Scaffold547	2515	AA	CC	1940457047
SNP_P1_194798_2520	NW_004515987.1	Scaffold547	2520	AA	GG	1940457048
SNP_P1_194799_6587	NW_004515987.1	Scaffold547	6587	TT	GG	1940457049
SNP_P1_194800_6900	NW_004515987.1	Scaffold547	6900	AA	GG	1940457050
SNP_P1_194801_7030	NW_004515987.1	Scaffold547	7030	CC	TT	1940457051
SNP_P1_194802_7314	NW_004515987.1	Scaffold547	7314	GG	TT	1940457052
SNP_P1_194803_7583	NW_004515987.1	Scaffold547	7583	CC	TT	1940457053
SNP_P1_194804_10814	NW_004515987.1	Scaffold547	10814	CC	GG	1940457054
SNP_P1_194805_11333	NW_004515987.1	Scaffold547	11333	AA	GG	1940457055
SNP_P1_194806_11349	NW_004515987.1	Scaffold547	11349	CC	TT	1940457056
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SNP_P1_194808_11427	NW_004515987.1	Scaffold547	11427	GG	AA	1940457058
SNP_P1_194809_11452	NW_004515987.1	Scaffold547	11452	AA	GG	1940457059
SNP_P1_194810_11490	NW_004515987.1	Scaffold547	11490	AA	TT	1940457060
SNP_P1_194811_11506	NW_004515987.1	Scaffold547	11506	GG	AA	1940457061
SNP_P1_194812_11528	NW_004515987.1	Scaffold547	11528	AA	GG	1940457062
SNP_P1_194813_11542	NW_004515987.1	Scaffold547	11542	AA	GG	1940457063
SNP_P1_194814_11543	NW_004515987.1	Scaffold547	11543	CC	TT	1940457064
SNP_P1_194815_11648	NW_004515987.1	Scaffold547	11648	CC	TT	1940457065
SNP_P1_194816_11662	NW_004515987.1	Scaffold547	11662	CC	AA	1940457066

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194818_11719	NW_004515987.1	Scaffold547	11719	TT	CC	1940457068
SNP_P1_194819_12305	NW_004515987.1	Scaffold547	12305	GG	TT	1940457069
SNP_P1_194820_12477	NW_004515987.1	Scaffold547	12477	AA	CC	1940457070
SNP_P1_194821_12505	NW_004515987.1	Scaffold547	12505	CC	TT	1940457071
SNP_P1_194822_12534	NW_004515987.1	Scaffold547	12534	AA	TT	1940457072
SNP_P1_194823_12620	NW_004515987.1	Scaffold547	12620	TT	GG	1940457073
SNP_P1_194824_12622	NW_004515987.1	Scaffold547	12622	AA	TT	1940457074
SNP_P1_194825_12732	NW_004515987.1	Scaffold547	12732	GG	CC	1940457075
SNP_P1_194826_12815	NW_004515987.1	Scaffold547	12815	TT	CC	1940457076
SNP_P1_194827_12865	NW_004515987.1	Scaffold547	12865	AA	GG	1940457077
SNP_P1_194828_12879	NW_004515987.1	Scaffold547	12879	AA	TT	1940457078
SNP_P1_194829_13373	NW_004515987.1	Scaffold547	13373	AA	GG	1940457079
SNP_P1_194831_13459	NW_004515987.1	Scaffold547	13459	AA	TT	1940457080
SNP_P1_194832_13485	NW_004515987.1	Scaffold547	13485	TT	CC	1940457081
SNP_P1_194833_13615	NW_004515987.1	Scaffold547	13615	AA	CC	1940457082
SNP_P1_194834_13647	NW_004515987.1	Scaffold547	13647	GG	AA	1940457083
SNP_P1_194835_13659	NW_004515987.1	Scaffold547	13659	TT	CC	1940457084
SNP_P1_194836_13690	NW_004515987.1	Scaffold547	13690	TT	GG	1940457085
SNP_P1_194837_13968	NW_004515987.1	Scaffold547	13968	TT	AA	1940457086
SNP_P1_194838_14138	NW_004515987.1	Scaffold547	14138	GG	TT	1940457087
SNP_P1_194839_14163	NW_004515987.1	Scaffold547	14163	AA	GG	1940457088
SNP_P1_194840_14178	NW_004515987.1	Scaffold547	14178	CC	AA	1940457089
SNP_P1_194841_14987	NW_004515987.1	Scaffold547	14987	AA	TT	1940457090
SNP_P1_194842_19839	NW_004515987.1	Scaffold547	19839	GG	CC	1940457091
SNP_P1_194843_21037	NW_004515987.1	Scaffold547	21037	TT	CC	1940457092
SNP_P1_194844_21094	NW_004515987.1	Scaffold547	21094	AA	TT	1940457093
SNP_P1_194845_21471	NW_004515987.1	Scaffold547	21471	GG	AA	1940457094
SNP_P1_194846_21473	NW_004515987.1	Scaffold547	21473	CC	TT	1940457095
SNP_P1_194847_26908	NW_004515987.1	Scaffold547	26908	CC	AA	1940457096
SNP_P1_194848_26912	NW_004515987.1	Scaffold547	26912	GG	TT	1940457097
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SNP_P1_194850_27460	NW_004515987.1	Scaffold547	27460	TT	GG	1940457099
SNP_P1_194851_27465	NW_004515987.1	Scaffold547	27465	GG	AA	1940457100
SNP_P1_194852_27500	NW_004515987.1	Scaffold547	27500	TT	GG	1940457101
SNP_P1_194853_28173	NW_004515987.1	Scaffold547	28173	TT	AA	1940457102
SNP_P1_194854_28448	NW_004515987.1	Scaffold547	28448	TT	CC	1940457103
SNP_P1_194855_32096	NW_004515987.1	Scaffold547	32096	AA	GG	1940457104
SNP_P1_194856_32186	NW_004515987.1	Scaffold547	32186	GG	AA	1940457105
SNP_P1_194857_39436	NW_004515987.1	Scaffold547	39436	GG	TT	1940457106
SNP_P1_194858_44185	NW_004515987.1	Scaffold547	44185	TT	CC	1940457107
SNP_P1_194859_46339	NW_004515987.1	Scaffold547	46339	TT	CC	1940457108

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194861_46658	NW_004515987.1	Scaffold547	46658	AA	CC	1940457110
SNP_P1_194862_48867	NW_004515987.1	Scaffold547	48867	CC	AA	1940457111
SNP_P1_194863_69792	NW_004515987.1	Scaffold547	69792	GG	AA	1940457112
SNP_P1_194864_69803	NW_004515987.1	Scaffold547	69803	AA	GG	1940457113
SNP_P1_194865_70611	NW_004515987.1	Scaffold547	70611	CC	TT	1940457114
SNP_P1_194866_71051	NW_004515987.1	Scaffold547	71051	CC	GG	1940457115
SNP_P1_194867_74383	NW_004515987.1	Scaffold547	74383	TT	CC	1940457116
SNP_P1_194868_74791	NW_004515987.1	Scaffold547	74791	CC	TT	1940457117
SNP_P1_194869_74799	NW_004515987.1	Scaffold547	74799	TT	CC	1940457118
SNP_P1_194870_75961	NW_004515987.1	Scaffold547	75961	TT	AA	1940457119
SNP_P1_194871_76251	NW_004515987.1	Scaffold547	76251	GG	CC	1940457120
SNP_P1_194872_78065	NW_004515987.1	Scaffold547	78065	TT	CC	1940457121
SNP_P1_194873_78130	NW_004515987.1	Scaffold547	78130	CC	AA	1940457122
SNP_P1_194874_78160	NW_004515987.1	Scaffold547	78160	CC	AA	1940457123
SNP_P1_194875_78188	NW_004515987.1	Scaffold547	78188	TT	CC	1940457124
SNP_P1_194876_79739	NW_004515987.1	Scaffold547	79739	CC	GG	1940457125
SNP_P1_194877_82183	NW_004515987.1	Scaffold547	82183	CC	TT	1940457126
SNP_P1_194878_82187	NW_004515987.1	Scaffold547	82187	CC	TT	1940457127
SNP_P1_194879_82237	NW_004515987.1	Scaffold547	82237	AA	TT	1940457128
SNP_P1_194880_82239	NW_004515987.1	Scaffold547	82239	GG	TT	1940457129
SNP_P1_194881_82347	NW_004515987.1	Scaffold547	82347	GG	CC	1940457130
SNP_P1_194882_82500	NW_004515987.1	Scaffold547	82500	GG	AA	1940457131
SNP_P1_194883_83682	NW_004515987.1	Scaffold547	83682	CC	TT	1940457132
SNP_P1_194884_84203	NW_004515987.1	Scaffold547	84203	GG	AA	1940457133
SNP_P1_194885_84317	NW_004515987.1	Scaffold547	84317	AA	GG	1940457134
SNP_P1_194886_95835	NW_004515987.1	Scaffold547	95835	TT	CC	1940457135
SNP_P1_194887_95927	NW_004515987.1	Scaffold547	95927	AA	GG	1940457136
SNP_P1_194888_96375	NW_004515987.1	Scaffold547	96375	GG	TT	1940457137
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SNP_P1_194891_96680	NW_004515987.1	Scaffold547	96680	AA	GG	1940457140
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SNP_P1_194894_96815	NW_004515987.1	Scaffold547	96815	CC	TT	1940457143
SNP_P1_194895_96918	NW_004515987.1	Scaffold547	96918	TT	AA	1940457144
SNP_P1_194896_96930	NW_004515987.1	Scaffold547	96930	TT	AA	1940457145
SNP_P1_194897_96947	NW_004515987.1	Scaffold547	96947	GG	AA	1940457146
SNP_P1_194898_96972	NW_004515987.1	Scaffold547	96972	CC	TT	1940457147
SNP_P1_194900_97047	NW_004515987.1	Scaffold547	97047	AA	GG	1940457148
SNP_P1_194901_97058	NW_004515987.1	Scaffold547	97058	AA	CC	1940457149
SNP_P1_194902_97082	NW_004515987.1	Scaffold547	97082	GG	AA	1940457150

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_194904_97210	NW_004515987.1	Scaffold547	97210	CC	TT	1940457153
SNP_P1_194905_97306	NW_004515987.1	Scaffold547	97306	GG	AA	1940457154
SNP_P1_194906_97688	NW_004515987.1	Scaffold547	97688	AA	TT	1940457155
SNP_P1_194907_97720	NW_004515987.1	Scaffold547	97720	CC	TT	1940457156
SNP_P1_194908_98650	NW_004515987.1	Scaffold547	98650	GG	TT	1940457157
SNP_P1_194909_99362	NW_004515987.1	Scaffold547	99362	CC	TT	1940457158
SNP_P1_194910_99656	NW_004515987.1	Scaffold547	99656	GG	AA	1940457159
SNP_P1_194911_104494	NW_004515987.1	Scaffold547	104494	GG	TT	1940457160
SNP_P1_194912_104532	NW_004515987.1	Scaffold547	104532	TT	CC	1940457161
SNP_P1_194913_114636	NW_004515987.1	Scaffold547	114636	CC	AA	1940457162
SNP_P1_194914_114683	NW_004515987.1	Scaffold547	114683	AA	GG	1940457163
SNP_P1_194915_114788	NW_004515987.1	Scaffold547	114788	TT	AA	1940457164
SNP_P1_194916_114803	NW_004515987.1	Scaffold547	114803	AA	CC	1940457165
SNP_P1_194917_114834	NW_004515987.1	Scaffold547	114834	AA	GG	1940457166
SNP_P1_194918_115023	NW_004515987.1	Scaffold547	115023	TT	AA	1940457167
SNP_P1_194919_115111	NW_004515987.1	Scaffold547	115111	GG	AA	1940457168
SNP_P1_194920_115129	NW_004515987.1	Scaffold547	115129	CC	AA	1940457169
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SNP_P1_194922_122556	NW_004515987.1	Scaffold547	122556	TT	CC	1940457171
SNP_P1_194923_122587	NW_004515987.1	Scaffold547	122587	AA	GG	1940457172
SNP_P1_194924_122602	NW_004515987.1	Scaffold547	122602	GG	TT	1940457173
SNP_P1_194925_122872	NW_004515987.1	Scaffold547	122872	TT	CC	1940457174
SNP_P1_194926_122907	NW_004515987.1	Scaffold547	122907	AA	TT	1940457175
SNP_P1_194927_123054	NW_004515987.1	Scaffold547	123054	GG	AA	1940457176
SNP_P1_194928_123174	NW_004515987.1	Scaffold547	123174	AA	GG	1940457177
SNP_P1_194929_124881	NW_004515987.1	Scaffold547	124881	TT	CC	1940457178
SNP_P1_194930_128726	NW_004515987.1	Scaffold547	128726	AA	TT	1940457179
SNP_P1_194931_133082	NW_004515987.1	Scaffold547	133082	AA	GG	1940457180
SNP_P1_194932_135975	NW_004515987.1	Scaffold547	135975	CC	TT	1940457181
SNP_P1_194934_138196	NW_004515987.1	Scaffold547	138196	TT	CC	1940457182
SNP_P1_194935_139112	NW_004515987.1	Scaffold547	139112	CC	AA	1940457183
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SNP_P1_194938_151100	NW_004515987.1	Scaffold547	151100	CC	AA	1940457186
SNP_P1_194939_153334	NW_004515987.1	Scaffold547	153334	AA	GG	1940457187
SNP_P1_194940_155875	NW_004515987.1	Scaffold547	155875	TT	GG	1940457188
SNP_P1_194941_155882	NW_004515987.1	Scaffold547	155882	TT	GG	1940457189
SNP_P1_194943_155947	NW_004515987.1	Scaffold547	155947	AA	TT	1940457190
SNP_P1_194945_161803	NW_004515987.1	Scaffold547	161803	TT	AA	1940457191
SNP_P1_194946_162897	NW_004515987.1	Scaffold547	162897	TT	CC	1940457192
SNP_P1_194947_163125	NW_004515987.1	Scaffold547	163125	AA	GG	1940457193

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SNP_P1_194949_163199	NW_004515987.1	Scaffold547	163199	TT	CC	1940457195
SNP_P1_194950_163208	NW_004515987.1	Scaffold547	163208	TT	GG	1940457196
SNP_P1_194951_163265	NW_004515987.1	Scaffold547	163265	AA	GG	1940457197
SNP_P1_194952_164668	NW_004515987.1	Scaffold547	164668	TT	CC	1940457198
SNP_P1_194953_164680	NW_004515987.1	Scaffold547	164680	AA	CC	1940457199
SNP_P1_194954_164682	NW_004515987.1	Scaffold547	164682	AA	GG	1940457200
SNP_P1_194955_164704	NW_004515987.1	Scaffold547	164704	GG	AA	1940457201
SNP_P1_194956_164892	NW_004515987.1	Scaffold547	164892	GG	CC	1940457202
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SNP_P1_194958_164947	NW_004515987.1	Scaffold547	164947	GG	CC	1940457204
SNP_P1_194959_165329	NW_004515987.1	Scaffold547	165329	CC	TT	1940457205
SNP_P1_194960_168254	NW_004515987.1	Scaffold547	168254	TT	CC	1940457206
SNP_P1_194961_168300	NW_004515987.1	Scaffold547	168300	CC	TT	1940457207
SNP_P1_194962_171890	NW_004515987.1	Scaffold547	171890	CC	AA	1940457208
SNP_P1_194963_172176	NW_004515987.1	Scaffold547	172176	TT	CC	1940457209
SNP_P1_194964_182332	NW_004515987.1	Scaffold547	182332	CC	TT	1940457210
SNP_P1_194966_182842	NW_004515987.1	Scaffold547	182842	GG	TT	1940457211
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SNP_P1_194968_185609	NW_004515987.1	Scaffold547	185609	TT	AA	1940457213
SNP_P1_194969_192315	NW_004515987.1	Scaffold547	192315	CC	TT	1940457214
SNP_P1_194970_193380	NW_004515987.1	Scaffold547	193380	CC	GG	1940457215
SNP_P1_194971_193387	NW_004515987.1	Scaffold547	193387	GG	AA	1940457216
SNP_P1_194972_193675	NW_004515987.1	Scaffold547	193675	AA	GG	1940457217
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SNP_P1_194975_46927	NW_004515988.1	Scaffold548	46927	CC	TT	1940457220
SNP_P1_194976_73288	NW_004515988.1	Scaffold548	73288	CC	TT	1940457221
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SNP_P1_194978_73678	NW_004515988.1	Scaffold548	73678	AA	GG	1940457223
SNP_P1_194979_107263	NW_004515988.1	Scaffold548	107263	CC	TT	1940457224
SNP_P1_194980_108101	NW_004515988.1	Scaffold548	108101	CC	TT	1940457225
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SNP_P1_194985_114980	NW_004515988.1	Scaffold548	114980	TT	AA	1940457229
SNP_P1_194988_151933	NW_004515988.1	Scaffold548	151933	GG	TT	1940457230
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SNP_P1_194990_157646	NW_004515988.1	Scaffold548	157646	CC	TT	1940457232
SNP_P1_194991_157736	NW_004515988.1	Scaffold548	157736	AA	CC	1940457233
SNP_P1_194992_160152	NW_004515988.1	Scaffold548	160152	AA	TT	1940457234
SNP_P1_194993_166319	NW_004515988.1	Scaffold548	166319	GG	AA	1940457235

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SNP_P1_194995_169878	NW_004515988.1	Scaffold548	169878	AA	CC	1940457237
SNP_P1_194996_169945	NW_004515988.1	Scaffold548	169945	TT	AA	1940457238
SNP_P1_194997_169952	NW_004515988.1	Scaffold548	169952	AA	GG	1940457239
SNP_P1_194998_169953	NW_004515988.1	Scaffold548	169953	TT	CC	1940457240
SNP_P1_194999_169986	NW_004515988.1	Scaffold548	169986	TT	CC	1940457241
SNP_P1_195000_170000	NW_004515988.1	Scaffold548	170000	CC	TT	1940457242
SNP_P1_195001_177534	NW_004515988.1	Scaffold548	177534	CC	TT	1940457243
SNP_P1_195002_177559	NW_004515988.1	Scaffold548	177559	TT	CC	1940457244
SNP_P1_195003_177844	NW_004515988.1	Scaffold548	177844	CC	AA	1940457245
SNP_P1_195004_196404	NW_004515988.1	Scaffold548	196404	TT	CC	1940457246
SNP_P1_195005_199365	NW_004515988.1	Scaffold548	199365	GG	TT	1940457247
SNP_P1_195006_207784	NW_004515988.1	Scaffold548	207784	AA	GG	1940457248
SNP_P1_195007_209779	NW_004515988.1	Scaffold548	209779	GG	AA	1940457249
SNP_P1_195008_209807	NW_004515988.1	Scaffold548	209807	GG	TT	1940457250
SNP_P1_195009_211870	NW_004515988.1	Scaffold548	211870	GG	AA	1940457251
SNP_P1_195011_212470	NW_004515988.1	Scaffold548	212470	TT	CC	1940457252
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SNP_P1_195013_213008	NW_004515988.1	Scaffold548	213008	GG	AA	1940457254
SNP_P1_195014_233092	NW_004515988.1	Scaffold548	233092	GG	AA	1940457255
SNP_P1_195016_245406	NW_004515988.1	Scaffold548	245406	TT	CC	1940457256
SNP_P1_195017_245409	NW_004515988.1	Scaffold548	245409	TT	GG	1940457257
SNP_P1_195018_245543	NW_004515988.1	Scaffold548	245543	AA	GG	1940457258
SNP_P1_195019_245591	NW_004515988.1	Scaffold548	245591	AA	GG	1940457259
SNP_P1_195020_267520	NW_004515988.1	Scaffold548	267520	CC	GG	1940457260
SNP_P1_195021_274265	NW_004515988.1	Scaffold548	274265	GG	AA	1940457261
SNP_P1_195022_274271	NW_004515988.1	Scaffold548	274271	AA	TT	1940457262
SNP_P1_195023_274281	NW_004515988.1	Scaffold548	274281	GG	CC	1940457263
SNP_P1_195024_308768	NW_004515988.1	Scaffold548	308768	GG	TT	1940457264
SNP_P1_195026_315424	NW_004515988.1	Scaffold548	315424	AA	GG	1940457265
SNP_P1_195027_322703	NW_004515988.1	Scaffold548	322703	TT	CC	1940457266
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SNP_P1_195030_329707	NW_004515988.1	Scaffold548	329707	GG	AA	1940457269
SNP_P1_195031_329715	NW_004515988.1	Scaffold548	329715	CC	TT	1940457270
SNP_P1_195032_329814	NW_004515988.1	Scaffold548	329814	AA	GG	1940457271
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SNP_P1_195035_329932	NW_004515988.1	Scaffold548	329932	CC	TT	1940457274
SNP_P1_195036_330051	NW_004515988.1	Scaffold548	330051	CC	TT	1940457275
SNP_P1_195037_333450	NW_004515988.1	Scaffold548	333450	TT	GG	1940457276
SNP_P1_195038_340288	NW_004515988.1	Scaffold548	340288	CC	GG	1940457277

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195040_342802	NW_004515988.1	Scaffold548	342802	AA	GG	1940457279
SNP_P1_195041_342829	NW_004515988.1	Scaffold548	342829	CC	TT	1940457280
SNP_P1_195042_342830	NW_004515988.1	Scaffold548	342830	AA	GG	1940457282
SNP_P1_195043_344711	NW_004515988.1	Scaffold548	344711	CC	TT	1940457283
SNP_P1_195044_370280	NW_004515988.1	Scaffold548	370280	CC	TT	1940457284
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SNP_P1_195046_381533	NW_004515988.1	Scaffold548	381533	AA	GG	1940457286
SNP_P1_195047_381592	NW_004515988.1	Scaffold548	381592	TT	CC	1940457287
SNP_P1_195048_381618	NW_004515988.1	Scaffold548	381618	CC	TT	1940457288
SNP_P1_195049_381625	NW_004515988.1	Scaffold548	381625	TT	CC	1940457289
SNP_P1_195050_382538	NW_004515988.1	Scaffold548	382538	CC	TT	1940457290
SNP_P1_195051_384003	NW_004515988.1	Scaffold548	384003	CC	TT	1940457291
SNP_P1_195052_384072	NW_004515988.1	Scaffold548	384072	TT	CC	1940457292
SNP_P1_195053_399555	NW_004515988.1	Scaffold548	399555	GG	AA	1940457293
SNP_P1_195054_405295	NW_004515988.1	Scaffold548	405295	GG	TT	1940457294
SNP_P1_195055_434996	NW_004515988.1	Scaffold548	434996	AA	GG	1940457295
SNP_P1_195056_435018	NW_004515988.1	Scaffold548	435018	TT	CC	1940457296
SNP_P1_195057_435025	NW_004515988.1	Scaffold548	435025	CC	AA	1940457297
SNP_P1_195058_464770	NW_004515988.1	Scaffold548	464770	TT	CC	1940457298
SNP_P1_195059_479978	NW_004515988.1	Scaffold548	479978	TT	GG	1940457299
SNP_P1_195060_480522	NW_004515988.1	Scaffold548	480522	TT	CC	1940457300
SNP_P1_195061_480808	NW_004515988.1	Scaffold548	480808	CC	GG	1940457301
SNP_P1_195062_480817	NW_004515988.1	Scaffold548	480817	TT	GG	1940457302
SNP_P1_195063_480880	NW_004515988.1	Scaffold548	480880	TT	CC	1940457303
SNP_P1_195064_480890	NW_004515988.1	Scaffold548	480890	AA	GG	1940457304
SNP_P1_195065_480937	NW_004515988.1	Scaffold548	480937	CC	TT	1940457305
SNP_P1_195066_480967	NW_004515988.1	Scaffold548	480967	TT	GG	1940457306
SNP_P1_195067_481366	NW_004515988.1	Scaffold548	481366	TT	CC	1940457307
SNP_P1_195068_481428	NW_004515988.1	Scaffold548	481428	CC	TT	1940457308
SNP_P1_195069_490580	NW_004515988.1	Scaffold548	490580	TT	CC	1940457309
SNP_P1_195070_490585	NW_004515988.1	Scaffold548	490585	TT	CC	1940457310
SNP_P1_195071_490604	NW_004515988.1	Scaffold548	490604	CC	TT	1940457311
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SNP_P1_195074_491177	NW_004515988.1	Scaffold548	491177	CC	TT	1940457314
SNP_P1_195075_491250	NW_004515988.1	Scaffold548	491250	TT	CC	1940457315
SNP_P1_195076_491515	NW_004515988.1	Scaffold548	491515	CC	TT	1940457316
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SNP_P1_195078_505869	NW_004515988.1	Scaffold548	505869	AA	GG	1940457318
SNP_P1_195079_505871	NW_004515988.1	Scaffold548	505871	GG	AA	1940457319
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SNP_P1_195084_560577	NW_004515988.1	Scaffold548	560577	TT	CC	1940457322
SNP_P1_195086_593405	NW_004515988.1	Scaffold548	593405	TT	AA	1940457323
SNP_P1_195087_593431	NW_004515988.1	Scaffold548	593431	TT	CC	1940457324
SNP_P1_195088_593459	NW_004515988.1	Scaffold548	593459	GG	TT	1940457325
SNP_P1_195089_593474	NW_004515988.1	Scaffold548	593474	CC	TT	1940457326
SNP_P1_195090_593542	NW_004515988.1	Scaffold548	593542	TT	CC	1940457327
SNP_P1_195091_593581	NW_004515988.1	Scaffold548	593581	CC	TT	1940457328
SNP_P1_195092_593582	NW_004515988.1	Scaffold548	593582	CC	TT	1940457329
SNP_P1_195093_593606	NW_004515988.1	Scaffold548	593606	TT	CC	1940457330
SNP_P1_195094_609888	NW_004515988.1	Scaffold548	609888	AA	CC	1940457331
SNP_P1_195095_612085	NW_004515988.1	Scaffold548	612085	AA	CC	1940457332
SNP_P1_195096_612109	NW_004515988.1	Scaffold548	612109	GG	AA	1940457333
SNP_P1_195097_612116	NW_004515988.1	Scaffold548	612116	AA	TT	1940457334
SNP_P1_195098_612118	NW_004515988.1	Scaffold548	612118	CC	TT	1940457335
SNP_P1_195099_612163	NW_004515988.1	Scaffold548	612163	GG	AA	1940457336
SNP_P1_195100_612469	NW_004515988.1	Scaffold548	612469	AA	TT	1940457337
SNP_P1_195101_612477	NW_004515988.1	Scaffold548	612477	GG	TT	1940457338
SNP_P1_195103_612730	NW_004515988.1	Scaffold548	612730	AA	GG	1940457339
SNP_P1_195104_612732	NW_004515988.1	Scaffold548	612732	CC	TT	1940457340
SNP_P1_195105_612858	NW_004515988.1	Scaffold548	612858	AA	TT	1940457341
SNP_P1_195106_612896	NW_004515988.1	Scaffold548	612896	TT	CC	1940457342
SNP_P1_195107_616385	NW_004515988.1	Scaffold548	616385	AA	GG	1940457343
SNP_P1_195108_616410	NW_004515988.1	Scaffold548	616410	TT	CC	1940457344
SNP_P1_195109_616454	NW_004515988.1	Scaffold548	616454	AA	GG	1940457345
SNP_P1_195110_616523	NW_004515988.1	Scaffold548	616523	TT	AA	1940457346
SNP_P1_195111_616814	NW_004515988.1	Scaffold548	616814	AA	GG	1940457347
SNP_P1_195112_616848	NW_004515988.1	Scaffold548	616848	TT	GG	1940457348
SNP_P1_195113_616891	NW_004515988.1	Scaffold548	616891	AA	GG	1940457349
SNP_P1_195114_616936	NW_004515988.1	Scaffold548	616936	GG	AA	1940457350
SNP_P1_195115_617314	NW_004515988.1	Scaffold548	617314	TT	CC	1940457351
SNP_P1_195116_635749	NW_004515988.1	Scaffold548	635749	TT	CC	1940457352
SNP_P1_195117_672654	NW_004515988.1	Scaffold548	672654	AA	TT	1940457353
SNP_P1_195118_683415	NW_004515988.1	Scaffold548	683415	TT	CC	1940457354
SNP_P1_195119_683794	NW_004515988.1	Scaffold548	683794	TT	CC	1940457355
SNP_P1_195121_684169	NW_004515988.1	Scaffold548	684169	CC	TT	1940457356
SNP_P1_195122_685423	NW_004515988.1	Scaffold548	685423	AA	GG	1940457357
SNP_P1_195123_685479	NW_004515988.1	Scaffold548	685479	AA	GG	1940457358
SNP_P1_195124_685590	NW_004515988.1	Scaffold548	685590	AA	GG	1940457359
SNP_P1_195125_685604	NW_004515988.1	Scaffold548	685604	TT	AA	1940457360
SNP_P1_195126_18528	NW_004515989.1	Scaffold549	18528	AA	GG	1940457361
SNP_P1_195128_22074	NW_004515989.1	Scaffold549	22074	TT	CC	1940457362

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SNP_P1_195130_29110	NW_004515989.1	Scaffold549	29110	AA	CC	1940457364
SNP_P1_195131_38331	NW_004515989.1	Scaffold549	38331	CC	AA	1940457365
SNP_P1_195132_38459	NW_004515989.1	Scaffold549	38459	GG	TT	1940457366
SNP_P1_195133_38503	NW_004515989.1	Scaffold549	38503	TT	AA	1940457367
SNP_P1_195134_38505	NW_004515989.1	Scaffold549	38505	AA	TT	1940457368
SNP_P1_195135_38510	NW_004515989.1	Scaffold549	38510	GG	AA	1940457369
SNP_P1_195136_38522	NW_004515989.1	Scaffold549	38522	CC	TT	1940457370
SNP_P1_195139_41636	NW_004515989.1	Scaffold549	41636	CC	GG	1940457371
SNP_P1_195141_44649	NW_004515989.1	Scaffold549	44649	AA	GG	1940457372
SNP_P1_195142_45179	NW_004515989.1	Scaffold549	45179	AA	GG	1940457373
SNP_P1_195143_51385	NW_004515989.1	Scaffold549	51385	GG	AA	1940457374
SNP_P1_195144_51392	NW_004515989.1	Scaffold549	51392	CC	TT	1940457375
SNP_P1_195145_51393	NW_004515989.1	Scaffold549	51393	GG	AA	1940457376
SNP_P1_195146_51395	NW_004515989.1	Scaffold549	51395	AA	CC	1940457377
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SNP_P1_195151_51655	NW_004515989.1	Scaffold549	51655	AA	CC	1940457382
SNP_P1_195152_51687	NW_004515989.1	Scaffold549	51687	AA	GG	1940457383
SNP_P1_195153_51740	NW_004515989.1	Scaffold549	51740	TT	CC	1940457384
SNP_P1_195154_51770	NW_004515989.1	Scaffold549	51770	AA	GG	1940457385
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SNP_P1_195156_55557	NW_004515989.1	Scaffold549	55557	CC	AA	1940457387
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SNP_P1_195158_56075	NW_004515989.1	Scaffold549	56075	AA	TT	1940457389
SNP_P1_195159_57754	NW_004515989.1	Scaffold549	57754	GG	CC	1940457390
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SNP_P1_195167_339	NW_004515990.1	Scaffold552	339	CC	AA	1940457397
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SNP_P1_195170_2609	NW_004515991.1	Scaffold553	2609	AA	GG	1940457400
SNP_P1_195174_2966	NW_004515991.1	Scaffold553	2966	TT	GG	1940457401
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SNP_P1_195176_3408	NW_004515991.1	Scaffold553	3408	TT	GG	1940457403
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SNP_P1_195179_3947	NW_004515991.1	Scaffold553	3947	CC	AA	1940457406
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SNP_P1_195182_4974	NW_004515991.1	Scaffold553	4974	AA	CC	1940457409
SNP_P1_195183_5037	NW_004515991.1	Scaffold553	5037	CC	AA	1940457410
SNP_P1_195184_5146	NW_004515991.1	Scaffold553	5146	TT	CC	1940457411
SNP_P1_195185_5220	NW_004515991.1	Scaffold553	5220	TT	GG	1940457412
SNP_P1_195186_5224	NW_004515991.1	Scaffold553	5224	GG	AA	1940457413
SNP_P1_195187_7530	NW_004515991.1	Scaffold553	7530	GG	CC	1940457414
SNP_P1_195188_10315	NW_004515991.1	Scaffold553	10315	AA	TT	1940457415
SNP_P1_195189_13845	NW_004515991.1	Scaffold553	13845	GG	TT	1940457416
SNP_P1_195190_14970	NW_004515991.1	Scaffold553	14970	TT	AA	1940457417
SNP_P1_195191_24186	NW_004515991.1	Scaffold553	24186	CC	TT	1940457418
SNP_P1_195192_24202	NW_004515991.1	Scaffold553	24202	CC	TT	1940457419
SNP_P1_195193_24221	NW_004515991.1	Scaffold553	24221	TT	CC	1940457420
SNP_P1_195194_24823	NW_004515991.1	Scaffold553	24823	TT	GG	1940457421
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SNP_P1_195196_25109	NW_004515991.1	Scaffold553	25109	TT	CC	1940457423
SNP_P1_195197_28196	NW_004515991.1	Scaffold553	28196	TT	CC	1940457425
SNP_P1_195198_28210	NW_004515991.1	Scaffold553	28210	CC	TT	1940457426
SNP_P1_195199_33417	NW_004515991.1	Scaffold553	33417	TT	GG	1940457427
SNP_P1_195200_33488	NW_004515991.1	Scaffold553	33488	AA	GG	1940457428
SNP_P1_195201_33489	NW_004515991.1	Scaffold553	33489	CC	TT	1940457429
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SNP_P1_195206_33537	NW_004515991.1	Scaffold553	33537	TT	GG	1940457434
SNP_P1_195207_33542	NW_004515991.1	Scaffold553	33542	TT	CC	1940457435
SNP_P1_195208_33575	NW_004515991.1	Scaffold553	33575	GG	AA	1940457436
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SNP_P1_195212_33626	NW_004515991.1	Scaffold553	33626	TT	CC	1940457440
SNP_P1_195213_33629	NW_004515991.1	Scaffold553	33629	TT	CC	1940457441
SNP_P1_195214_33632	NW_004515991.1	Scaffold553	33632	CC	TT	1940457442
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SNP_P1_195216_33644	NW_004515991.1	Scaffold553	33644	TT	CC	1940457444
SNP_P1_195217_33652	NW_004515991.1	Scaffold553	33652	AA	GG	1940457445
SNP_P1_195218_33659	NW_004515991.1	Scaffold553	33659	AA	TT	1940457446
SNP_P1_195219_34877	NW_004515991.1	Scaffold553	34877	TT	CC	1940457447

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SNP_P1_195221_44020	NW_004515991.1	Scaffold553	44020	CC	TT	1940457449
SNP_P1_195222_46010	NW_004515991.1	Scaffold553	46010	TT	CC	1940457450
SNP_P1_195223_46298	NW_004515991.1	Scaffold553	46298	TT	AA	1940457451
SNP_P1_195225_52622	NW_004515991.1	Scaffold553	52622	AA	TT	1940457452
SNP_P1_195226_69797	NW_004515991.1	Scaffold553	69797	CC	TT	1940457453
SNP_P1_195227_69798	NW_004515991.1	Scaffold553	69798	AA	GG	1940457454
SNP_P1_195228_69824	NW_004515991.1	Scaffold553	69824	GG	AA	1940457455
SNP_P1_195229_70723	NW_004515991.1	Scaffold553	70723	TT	CC	1940457456
SNP_P1_195231_73298	NW_004515991.1	Scaffold553	73298	AA	TT	1940457457
SNP_P1_195232_79713	NW_004515991.1	Scaffold553	79713	AA	GG	1940457458
SNP_P1_195233_84547	NW_004515991.1	Scaffold553	84547	CC	TT	1940457459
SNP_P1_195234_91760	NW_004515991.1	Scaffold553	91760	GG	AA	1940457460
SNP_P1_195235_92367	NW_004515991.1	Scaffold553	92367	GG	AA	1940457461
SNP_P1_195236_92446	NW_004515991.1	Scaffold553	92446	TT	GG	1940457462
SNP_P1_195237_92447	NW_004515991.1	Scaffold553	92447	CC	GG	1940457463
SNP_P1_195238_92451	NW_004515991.1	Scaffold553	92451	CC	AA	1940457464
SNP_P1_195239_92469	NW_004515991.1	Scaffold553	92469	TT	GG	1940457465
SNP_P1_195240_92506	NW_004515991.1	Scaffold553	92506	GG	CC	1940457466
SNP_P1_195241_92548	NW_004515991.1	Scaffold553	92548	AA	GG	1940457467
SNP_P1_195242_92598	NW_004515991.1	Scaffold553	92598	AA	GG	1940457468
SNP_P1_195243_92610	NW_004515991.1	Scaffold553	92610	CC	TT	1940457469
SNP_P1_195244_92856	NW_004515991.1	Scaffold553	92856	AA	GG	1940457470
SNP_P1_195245_92867	NW_004515991.1	Scaffold553	92867	TT	CC	1940457471
SNP_P1_195246_93006	NW_004515991.1	Scaffold553	93006	GG	TT	1940457472
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SNP_P1_195249_164129	NW_004515991.1	Scaffold553	164129	CC	TT	1940457474
SNP_P1_195251_187211	NW_004515991.1	Scaffold553	187211	GG	AA	1940457475
SNP_P1_195252_198147	NW_004515991.1	Scaffold553	198147	AA	GG	1940457476
SNP_P1_195253_200970	NW_004515991.1	Scaffold553	200970	TT	GG	1940457477
SNP_P1_195254_201072	NW_004515991.1	Scaffold553	201072	AA	GG	1940457478
SNP_P1_195255_201089	NW_004515991.1	Scaffold553	201089	TT	CC	1940457479
SNP_P1_195256_219857	NW_004515991.1	Scaffold553	219857	TT	AA	1940457480
SNP_P1_195257_255462	NW_004515991.1	Scaffold553	255462	GG	AA	1940457481
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SNP_P1_195259_265187	NW_004515991.1	Scaffold553	265187	GG	CC	1940457483
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SNP_P1_195261_273595	NW_004515991.1	Scaffold553	273595	TT	AA	1940457485
SNP_P1_195262_273598	NW_004515991.1	Scaffold553	273598	TT	GG	1940457486
SNP_P1_195263_293513	NW_004515991.1	Scaffold553	293513	TT	CC	1940457487
SNP_P1_195264_296949	NW_004515991.1	Scaffold553	296949	TT	CC	1940457488
SNP_P1_195265_325492	NW_004515991.1	Scaffold553	325492	TT	CC	1940457489

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195268_325602	NW_004515991.1	Scaffold553	325602	CC	GG	1940457491
SNP_P1_195269_325643	NW_004515991.1	Scaffold553	325643	TT	AA	1940457492
SNP_P1_195270_325786	NW_004515991.1	Scaffold553	325786	AA	GG	1940457493
SNP_P1_195271_326859	NW_004515991.1	Scaffold553	326859	GG	AA	1940457494
SNP_P1_195272_342589	NW_004515991.1	Scaffold553	342589	GG	AA	1940457495
SNP_P1_195273_386557	NW_004515991.1	Scaffold553	386557	TT	CC	1940457496
SNP_P1_195274_386558	NW_004515991.1	Scaffold553	386558	CC	AA	1940457497
SNP_P1_195275_388873	NW_004515991.1	Scaffold553	388873	TT	CC	1940457498
SNP_P1_195276_388877	NW_004515991.1	Scaffold553	388877	AA	GG	1940457499
SNP_P1_195277_403181	NW_004515991.1	Scaffold553	403181	AA	CC	1940457500
SNP_P1_195278_403205	NW_004515991.1	Scaffold553	403205	AA	GG	1940457501
SNP_P1_195279_403340	NW_004515991.1	Scaffold553	403340	TT	AA	1940457502
SNP_P1_195280_403346	NW_004515991.1	Scaffold553	403346	TT	GG	1940457503
SNP_P1_195281_403389	NW_004515991.1	Scaffold553	403389	AA	CC	1940457504
SNP_P1_195282_403416	NW_004515991.1	Scaffold553	403416	GG	AA	1940457505
SNP_P1_195283_403627	NW_004515991.1	Scaffold553	403627	GG	AA	1940457506
SNP_P1_195284_403638	NW_004515991.1	Scaffold553	403638	TT	GG	1940457507
SNP_P1_195285_422916	NW_004515991.1	Scaffold553	422916	AA	GG	1940457508
SNP_P1_195286_424039	NW_004515991.1	Scaffold553	424039	AA	GG	1940457509
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SNP_P1_195290_437916	NW_004515991.1	Scaffold553	437916	CC	TT	1940457512
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SNP_P1_195292_460282	NW_004515991.1	Scaffold553	460282	GG	CC	1940457514
SNP_P1_195294_464055	NW_004515991.1	Scaffold553	464055	TT	GG	1940457515
SNP_P1_195296_464305	NW_004515991.1	Scaffold553	464305	GG	TT	1940457516
SNP_P1_195297_475923	NW_004515991.1	Scaffold553	475923	CC	TT	1940457517
SNP_P1_195298_475948	NW_004515991.1	Scaffold553	475948	TT	CC	1940457518
SNP_P1_195299_475975	NW_004515991.1	Scaffold553	475975	CC	TT	1940457519
SNP_P1_195300_476193	NW_004515991.1	Scaffold553	476193	AA	GG	1940457520
SNP_P1_195301_476239	NW_004515991.1	Scaffold553	476239	TT	CC	1940457521
SNP_P1_195302_476352	NW_004515991.1	Scaffold553	476352	AA	CC	1940457522
SNP_P1_195303_476385	NW_004515991.1	Scaffold553	476385	AA	TT	1940457523
SNP_P1_195304_476386	NW_004515991.1	Scaffold553	476386	AA	CC	1940457524
SNP_P1_195305_476553	NW_004515991.1	Scaffold553	476553	AA	GG	1940457525
SNP_P1_195306_476704	NW_004515991.1	Scaffold553	476704	TT	CC	1940457526
SNP_P1_195307_476889	NW_004515991.1	Scaffold553	476889	AA	GG	1940457527
SNP_P1_195308_476922	NW_004515991.1	Scaffold553	476922	CC	TT	1940457528
SNP_P1_195309_480177	NW_004515991.1	Scaffold553	480177	GG	AA	1940457529
SNP_P1_195310_480236	NW_004515991.1	Scaffold553	480236	AA	GG	1940457530
SNP_P1_195311_480270	NW_004515991.1	Scaffold553	480270	AA	GG	1940457531

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195313_513304	NW_004515991.1	Scaffold553	513304	CC	TT	1940457533
SNP_P1_195314_513310	NW_004515991.1	Scaffold553	513310	CC	AA	1940457534
SNP_P1_195315_513343	NW_004515991.1	Scaffold553	513343	TT	CC	1940457535
SNP_P1_195316_513664	NW_004515991.1	Scaffold553	513664	AA	TT	1940457536
SNP_P1_195317_513757	NW_004515991.1	Scaffold553	513757	AA	GG	1940457537
SNP_P1_195318_515452	NW_004515991.1	Scaffold553	515452	AA	GG	1940457538
SNP_P1_195319_522530	NW_004515991.1	Scaffold553	522530	CC	TT	1940457539
SNP_P1_195321_527036	NW_004515991.1	Scaffold553	527036	TT	CC	1940457540
SNP_P1_195323_529627	NW_004515991.1	Scaffold553	529627	TT	GG	1940457541
SNP_P1_195324_537378	NW_004515991.1	Scaffold553	537378	GG	CC	1940457542
SNP_P1_195325_544720	NW_004515991.1	Scaffold553	544720	TT	CC	1940457543
SNP_P1_195326_567526	NW_004515991.1	Scaffold553	567526	GG	CC	1940457544
SNP_P1_195327_583023	NW_004515991.1	Scaffold553	583023	TT	CC	1940457545
SNP_P1_195328_583102	NW_004515991.1	Scaffold553	583102	TT	CC	1940457546
SNP_P1_195329_583173	NW_004515991.1	Scaffold553	583173	AA	GG	1940457547
SNP_P1_195331_583454	NW_004515991.1	Scaffold553	583454	TT	GG	1940457548
SNP_P1_195333_583476	NW_004515991.1	Scaffold553	583476	AA	CC	1940457549
SNP_P1_195334_592157	NW_004515991.1	Scaffold553	592157	GG	AA	1940457550
SNP_P1_195335_610337	NW_004515991.1	Scaffold553	610337	CC	TT	1940457551
SNP_P1_195336_680726	NW_004515991.1	Scaffold553	680726	TT	CC	1940457552
SNP_P1_195337_687536	NW_004515991.1	Scaffold553	687536	CC	TT	1940457553
SNP_P1_195338_687558	NW_004515991.1	Scaffold553	687558	TT	CC	1940457554
SNP_P1_195339_692983	NW_004515991.1	Scaffold553	692983	AA	TT	1940457555
SNP_P1_195340_723238	NW_004515991.1	Scaffold553	723238	CC	AA	1940457556
SNP_P1_195341_733362	NW_004515991.1	Scaffold553	733362	AA	CC	1940457557
SNP_P1_195342_735108	NW_004515991.1	Scaffold553	735108	TT	CC	1940457558
SNP_P1_195343_739731	NW_004515991.1	Scaffold553	739731	GG	AA	1940457559
SNP_P1_195344_747805	NW_004515991.1	Scaffold553	747805	TT	AA	1940457560
SNP_P1_195345_752131	NW_004515991.1	Scaffold553	752131	AA	TT	1940457561
SNP_P1_195346_755525	NW_004515991.1	Scaffold553	755525	AA	GG	1940457562
SNP_P1_195347_762838	NW_004515991.1	Scaffold553	762838	GG	AA	1940457563
SNP_P1_195348_766770	NW_004515991.1	Scaffold553	766770	AA	GG	1940457564
SNP_P1_195349_766771	NW_004515991.1	Scaffold553	766771	GG	CC	1940457565
SNP_P1_195350_766984	NW_004515991.1	Scaffold553	766984	TT	CC	1940457566
SNP_P1_195351_766985	NW_004515991.1	Scaffold553	766985	CC	TT	1940457567
SNP_P1_195352_766986	NW_004515991.1	Scaffold553	766986	CC	TT	1940457568
SNP_P1_195353_779157	NW_004515991.1	Scaffold553	779157	AA	GG	1940457569
SNP_P1_195354_779168	NW_004515991.1	Scaffold553	779168	AA	GG	1940457570
SNP_P1_195355_779169	NW_004515991.1	Scaffold553	779169	GG	AA	1940457571
SNP_P1_195356_790908	NW_004515991.1	Scaffold553	790908	GG	AA	1940457572
SNP_P1_195357_801916	NW_004515991.1	Scaffold553	801916	GG	AA	1940457573

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195360_822521	NW_004515991.1	Scaffold553	822521	AA	CC	1940457576
SNP_P1_195361_823198	NW_004515991.1	Scaffold553	823198	TT	CC	1940457577
SNP_P1_195362_823502	NW_004515991.1	Scaffold553	823502	CC	TT	1940457578
SNP_P1_195363_838509	NW_004515991.1	Scaffold553	838509	CC	TT	1940457579
SNP_P1_195364_839053	NW_004515991.1	Scaffold553	839053	AA	TT	1940457580
SNP_P1_195365_839443	NW_004515991.1	Scaffold553	839443	AA	CC	1940457581
SNP_P1_195366_839460	NW_004515991.1	Scaffold553	839460	TT	CC	1940457582
SNP_P1_195367_841212	NW_004515991.1	Scaffold553	841212	TT	CC	1940457583
SNP_P1_195368_841264	NW_004515991.1	Scaffold553	841264	TT	CC	1940457584
SNP_P1_195369_842101	NW_004515991.1	Scaffold553	842101	AA	GG	1940457585
SNP_P1_195370_842146	NW_004515991.1	Scaffold553	842146	CC	AA	1940457586
SNP_P1_195371_842152	NW_004515991.1	Scaffold553	842152	TT	CC	1940457587
SNP_P1_195372_842197	NW_004515991.1	Scaffold553	842197	TT	CC	1940457588
SNP_P1_195373_842215	NW_004515991.1	Scaffold553	842215	GG	CC	1940457590
SNP_P1_195374_842452	NW_004515991.1	Scaffold553	842452	AA	GG	1940457591
SNP_P1_195375_843188	NW_004515991.1	Scaffold553	843188	GG	AA	1940457592
SNP_P1_195376_865864	NW_004515991.1	Scaffold553	865864	GG	AA	1940457593
SNP_P1_195378_871861	NW_004515991.1	Scaffold553	871861	AA	CC	1940457594
SNP_P1_195379_873202	NW_004515991.1	Scaffold553	873202	TT	AA	1940457595
SNP_P1_195380_895918	NW_004515991.1	Scaffold553	895918	CC	TT	1940457596
SNP_P1_195381_896346	NW_004515991.1	Scaffold553	896346	GG	AA	1940457597
SNP_P1_195382_906818	NW_004515991.1	Scaffold553	906818	TT	AA	1940457598
SNP_P1_195384_907122	NW_004515991.1	Scaffold553	907122	TT	CC	1940457599
SNP_P1_195385_915219	NW_004515991.1	Scaffold553	915219	CC	TT	1940457600
SNP_P1_195386_925740	NW_004515991.1	Scaffold553	925740	TT	GG	1940457601
SNP_P1_195387_927298	NW_004515991.1	Scaffold553	927298	AA	GG	1940457602
SNP_P1_195390_947333	NW_004515991.1	Scaffold553	947333	CC	TT	1940457603
SNP_P1_195391_824	NW_004515992.1	Scaffold556	824	TT	AA	1940457604
SNP_P1_195392_863	NW_004515992.1	Scaffold556	863	TT	AA	1940457605
SNP_P1_195393_885	NW_004515992.1	Scaffold556	885	TT	CC	1940457606
SNP_P1_195394_905	NW_004515992.1	Scaffold556	905	AA	CC	1940457607
SNP_P1_195395_948	NW_004515992.1	Scaffold556	948	AA	TT	1940457608
SNP_P1_195396_954	NW_004515992.1	Scaffold556	954	CC	AA	1940457609
SNP_P1_195397_960	NW_004515992.1	Scaffold556	960	TT	GG	1940457610
SNP_P1_195398_1059	NW_004515992.1	Scaffold556	1059	TT	AA	1940457611
SNP_P1_195399_1105	NW_004515992.1	Scaffold556	1105	CC	GG	1940457612
SNP_P1_195400_1109	NW_004515992.1	Scaffold556	1109	GG	TT	1940457613
SNP_P1_195401_1120	NW_004515992.1	Scaffold556	1120	TT	GG	1940457614
SNP_P1_195402_1123	NW_004515992.1	Scaffold556	1123	AA	GG	1940457615
SNP_P1_195403_1129	NW_004515992.1	Scaffold556	1129	TT	GG	1940457616

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195405_1199	NW_004515992.1	Scaffold556	1199	GG	AA	1940457618
SNP_P1_195406_1290	NW_004515992.1	Scaffold556	1290	AA	GG	1940457619
SNP_P1_195407_1545	NW_004515992.1	Scaffold556	1545	TT	CC	1940457620
SNP_P1_195408_1590	NW_004515992.1	Scaffold556	1590	GG	AA	1940457621
SNP_P1_195409_1666	NW_004515992.1	Scaffold556	1666	GG	TT	1940457622
SNP_P1_195410_1784	NW_004515992.1	Scaffold556	1784	AA	GG	1940457623
SNP_P1_195412_1810	NW_004515992.1	Scaffold556	1810	TT	CC	1940457624
SNP_P1_195413_1821	NW_004515992.1	Scaffold556	1821	CC	GG	1940457625
SNP_P1_195414_1951	NW_004515992.1	Scaffold556	1951	TT	AA	1940457626
SNP_P1_195415_2614	NW_004515992.1	Scaffold556	2614	GG	CC	1940457627
SNP_P1_195416_2804	NW_004515992.1	Scaffold556	2804	CC	TT	1940457628
SNP_P1_195417_2901	NW_004515992.1	Scaffold556	2901	AA	TT	1940457629
SNP_P1_195418_2931	NW_004515992.1	Scaffold556	2931	AA	TT	1940457630
SNP_P1_195419_2934	NW_004515992.1	Scaffold556	2934	TT	GG	1940457631
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SNP_P1_195421_3010	NW_004515992.1	Scaffold556	3010	TT	CC	1940457633
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SNP_P1_195423_3083	NW_004515992.1	Scaffold556	3083	TT	AA	1940457635
SNP_P1_195424_3153	NW_004515992.1	Scaffold556	3153	TT	CC	1940457636
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SNP_P1_195426_3292	NW_004515992.1	Scaffold556	3292	GG	CC	1940457638
SNP_P1_195427_3368	NW_004515992.1	Scaffold556	3368	AA	TT	1940457639
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SNP_P1_195434_4746	NW_004515993.1	Scaffold557	4746	CC	AA	1940457646
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SNP_P1_195437_5261	NW_004515993.1	Scaffold557	5261	CC	TT	1940457649
SNP_P1_195438_1553	NW_004515994.1	Scaffold558	1553	GG	TT	1940457650
SNP_P1_195439_1929	NW_004515994.1	Scaffold558	1929	TT	CC	1940457651
SNP_P1_195440_5770	NW_004515994.1	Scaffold558	5770	AA	CC	1940457652
SNP_P1_195441_14942	NW_004515995.1	Scaffold559	14942	TT	CC	1940457653
SNP_P1_195442_14953	NW_004515995.1	Scaffold559	14953	TT	AA	1940457654
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SNP_P1_195445_29080	NW_004515995.1	Scaffold559	29080	AA	GG	1940457657
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195451_35294	NW_004515995.1	Scaffold559	35294	CC	TT	1940457662
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SNP_P1_195453_51767	NW_004515995.1	Scaffold559	51767	TT	GG	1940457664
SNP_P1_195454_53368	NW_004515995.1	Scaffold559	53368	TT	CC	1940457665
SNP_P1_195455_55517	NW_004515995.1	Scaffold559	55517	TT	CC	1940457666
SNP_P1_195456_57273	NW_004515995.1	Scaffold559	57273	CC	GG	1940457667
SNP_P1_195457_57294	NW_004515995.1	Scaffold559	57294	CC	TT	1940457668
SNP_P1_195458_61655	NW_004515995.1	Scaffold559	61655	CC	TT	1940457669
SNP_P1_195459_61656	NW_004515995.1	Scaffold559	61656	CC	AA	1940457670
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SNP_P1_195461_61710	NW_004515995.1	Scaffold559	61710	GG	AA	1940457672
SNP_P1_195462_61714	NW_004515995.1	Scaffold559	61714	GG	CC	1940457673
SNP_P1_195463_61748	NW_004515995.1	Scaffold559	61748	CC	GG	1940457674
SNP_P1_195464_61992	NW_004515995.1	Scaffold559	61992	AA	TT	1940457675
SNP_P1_195465_62011	NW_004515995.1	Scaffold559	62011	CC	TT	1940457676
SNP_P1_195466_62041	NW_004515995.1	Scaffold559	62041	TT	CC	1940457677
SNP_P1_195467_62522	NW_004515995.1	Scaffold559	62522	AA	GG	1940457678
SNP_P1_195468_62534	NW_004515995.1	Scaffold559	62534	TT	AA	1940457679
SNP_P1_195469_62553	NW_004515995.1	Scaffold559	62553	CC	GG	1940457680
SNP_P1_195470_62672	NW_004515995.1	Scaffold559	62672	TT	CC	1940457681
SNP_P1_195471_62680	NW_004515995.1	Scaffold559	62680	GG	AA	1940457682
SNP_P1_195472_62694	NW_004515995.1	Scaffold559	62694	TT	AA	1940457683
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SNP_P1_195476_62794	NW_004515995.1	Scaffold559	62794	TT	AA	1940457687
SNP_P1_195477_62813	NW_004515995.1	Scaffold559	62813	GG	CC	1940457688
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SNP_P1_195480_62854	NW_004515995.1	Scaffold559	62854	TT	CC	1940457691
SNP_P1_195481_62899	NW_004515995.1	Scaffold559	62899	TT	AA	1940457692
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SNP_P1_195486_62999	NW_004515995.1	Scaffold559	62999	AA	GG	1940457697
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SNP_P1_195488_63017	NW_004515995.1	Scaffold559	63017	GG	AA	1940457699
SNP_P1_195489_63032	NW_004515995.1	Scaffold559	63032	TT	CC	1940457700

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195491_66069	NW_004515995.1	Scaffold559	66069	CC	TT	1940457702
SNP_P1_195493_75088	NW_004515995.1	Scaffold559	75088	AA	CC	1940457703
SNP_P1_195494_75131	NW_004515995.1	Scaffold559	75131	AA	TT	1940457704
SNP_P1_195495_77435	NW_004515995.1	Scaffold559	77435	AA	GG	1940457705
SNP_P1_195496_92782	NW_004515995.1	Scaffold559	92782	TT	AA	1940457706
SNP_P1_195497_92847	NW_004515995.1	Scaffold559	92847	AA	CC	1940457707
SNP_P1_195498_92848	NW_004515995.1	Scaffold559	92848	GG	TT	1940457708
SNP_P1_195499_92887	NW_004515995.1	Scaffold559	92887	TT	AA	1940457709
SNP_P1_195500_92890	NW_004515995.1	Scaffold559	92890	AA	TT	1940457710
SNP_P1_195501_1669	NW_004515996.1	Scaffold560	1669	TT	CC	1940457711
SNP_P1_195502_2753	NW_004515996.1	Scaffold560	2753	AA	TT	1940457712
SNP_P1_195503_2803	NW_004515996.1	Scaffold560	2803	TT	CC	1940457713
SNP_P1_195504_2960	NW_004515996.1	Scaffold560	2960	AA	GG	1940457714
SNP_P1_195505_3008	NW_004515996.1	Scaffold560	3008	AA	CC	1940457715
SNP_P1_195506_4649	NW_004515996.1	Scaffold560	4649	AA	GG	1940457716
SNP_P1_195507_5821	NW_004515996.1	Scaffold560	5821	TT	GG	1940457717
SNP_P1_195508_6095	NW_004515996.1	Scaffold560	6095	AA	GG	1940457718
SNP_P1_195509_6111	NW_004515996.1	Scaffold560	6111	TT	CC	1940457719
SNP_P1_195510_9505	NW_004515996.1	Scaffold560	9505	GG	AA	1940457720
SNP_P1_195512_15164	NW_004515996.1	Scaffold560	15164	GG	AA	1940457721
SNP_P1_195513_15175	NW_004515996.1	Scaffold560	15175	AA	GG	1940457722
SNP_P1_195514_15181	NW_004515996.1	Scaffold560	15181	CC	TT	1940457723
SNP_P1_195515_15200	NW_004515996.1	Scaffold560	15200	AA	GG	1940457724
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SNP_P1_195517_15540	NW_004515996.1	Scaffold560	15540	TT	AA	1940457726
SNP_P1_195518_15575	NW_004515996.1	Scaffold560	15575	CC	TT	1940457727
SNP_P1_195519_15588	NW_004515996.1	Scaffold560	15588	AA	TT	1940457728
SNP_P1_195520_15612	NW_004515996.1	Scaffold560	15612	CC	AA	1940457729
SNP_P1_195521_16255	NW_004515996.1	Scaffold560	16255	CC	TT	1940457730
SNP_P1_195522_16560	NW_004515996.1	Scaffold560	16560	CC	TT	1940457731
SNP_P1_195523_16582	NW_004515996.1	Scaffold560	16582	GG	TT	1940457732
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SNP_P1_195525_20504	NW_004515996.1	Scaffold560	20504	GG	AA	1940457734
SNP_P1_195526_22071	NW_004515996.1	Scaffold560	22071	AA	CC	1940457735
SNP_P1_195527_28579	NW_004515996.1	Scaffold560	28579	TT	AA	1940457736
SNP_P1_195528_28821	NW_004515996.1	Scaffold560	28821	CC	AA	1940457737
SNP_P1_195530_30521	NW_004515996.1	Scaffold560	30521	AA	GG	1940457738
SNP_P1_195532_33527	NW_004515996.1	Scaffold560	33527	AA	GG	1940457739
SNP_P1_195533_33540	NW_004515996.1	Scaffold560	33540	TT	CC	1940457740
SNP_P1_195534_33848	NW_004515996.1	Scaffold560	33848	TT	CC	1940457741
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195537_66027	NW_004515996.1	Scaffold560	66027	AA	GG	1940457744
SNP_P1_195538_69131	NW_004515996.1	Scaffold560	69131	GG	AA	1940457745
SNP_P1_195539_77997	NW_004515996.1	Scaffold560	77997	AA	GG	1940457746
SNP_P1_195540_78004	NW_004515996.1	Scaffold560	78004	AA	GG	1940457747
SNP_P1_195541_78005	NW_004515996.1	Scaffold560	78005	AA	GG	1940457748
SNP_P1_195542_93306	NW_004515996.1	Scaffold560	93306	TT	CC	1940457749
SNP_P1_195543_93440	NW_004515996.1	Scaffold560	93440	TT	CC	1940457751
SNP_P1_195544_117502	NW_004515996.1	Scaffold560	117502	GG	AA	1940457752
SNP_P1_195545_117505	NW_004515996.1	Scaffold560	117505	TT	CC	1940457753
SNP_P1_195546_117511	NW_004515996.1	Scaffold560	117511	CC	TT	1940457754
SNP_P1_195547_117523	NW_004515996.1	Scaffold560	117523	TT	CC	1940457755
SNP_P1_195548_117529	NW_004515996.1	Scaffold560	117529	CC	TT	1940457756
SNP_P1_195549_117532	NW_004515996.1	Scaffold560	117532	CC	TT	1940457757
SNP_P1_195550_117535	NW_004515996.1	Scaffold560	117535	GG	AA	1940457758
SNP_P1_195551_117584	NW_004515996.1	Scaffold560	117584	CC	AA	1940457759
SNP_P1_195552_117593	NW_004515996.1	Scaffold560	117593	TT	CC	1940457760
SNP_P1_195553_117596	NW_004515996.1	Scaffold560	117596	GG	AA	1940457761
SNP_P1_195554_117598	NW_004515996.1	Scaffold560	117598	GG	TT	1940457762
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SNP_P1_195556_117613	NW_004515996.1	Scaffold560	117613	TT	CC	1940457764
SNP_P1_195557_117628	NW_004515996.1	Scaffold560	117628	AA	GG	1940457765
SNP_P1_195558_117650	NW_004515996.1	Scaffold560	117650	AA	GG	1940457766
SNP_P1_195559_117653	NW_004515996.1	Scaffold560	117653	AA	GG	1940457767
SNP_P1_195560_117677	NW_004515996.1	Scaffold560	117677	AA	GG	1940457768
SNP_P1_195561_117682	NW_004515996.1	Scaffold560	117682	GG	AA	1940457769
SNP_P1_195562_117685	NW_004515996.1	Scaffold560	117685	TT	AA	1940457770
SNP_P1_195563_117944	NW_004515996.1	Scaffold560	117944	TT	CC	1940457771
SNP_P1_195564_117964	NW_004515996.1	Scaffold560	117964	TT	CC	1940457772
SNP_P1_195565_117965	NW_004515996.1	Scaffold560	117965	CC	AA	1940457773
SNP_P1_195566_117967	NW_004515996.1	Scaffold560	117967	AA	CC	1940457774
SNP_P1_195567_123278	NW_004515996.1	Scaffold560	123278	CC	TT	1940457775
SNP_P1_195568_123287	NW_004515996.1	Scaffold560	123287	GG	AA	1940457776
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SNP_P1_195570_123294	NW_004515996.1	Scaffold560	123294	AA	TT	1940457778
SNP_P1_195571_123299	NW_004515996.1	Scaffold560	123299	AA	GG	1940457779
SNP_P1_195572_123303	NW_004515996.1	Scaffold560	123303	TT	CC	1940457780
SNP_P1_195573_123304	NW_004515996.1	Scaffold560	123304	CC	GG	1940457781
SNP_P1_195574_129767	NW_004515996.1	Scaffold560	129767	TT	AA	1940457782
SNP_P1_195575_132126	NW_004515996.1	Scaffold560	132126	AA	TT	1940457783
SNP_P1_195577_156860	NW_004515996.1	Scaffold560	156860	CC	TT	1940457784
SNP_P1_195578_159541	NW_004515996.1	Scaffold560	159541	TT	CC	1940457785

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195580_160510	NW_004515996.1	Scaffold560	160510	TT	CC	1940457787
SNP_P1_195581_160637	NW_004515996.1	Scaffold560	160637	CC	TT	1940457788
SNP_P1_195582_160692	NW_004515996.1	Scaffold560	160692	TT	AA	1940457789
SNP_P1_195584_160895	NW_004515996.1	Scaffold560	160895	TT	CC	1940457790
SNP_P1_195585_10452	NW_004515997.1	Scaffold561	10452	TT	GG	1940457791
SNP_P1_195586_10464	NW_004515997.1	Scaffold561	10464	GG	AA	1940457792
SNP_P1_195587_22246	NW_004515997.1	Scaffold561	22246	GG	AA	1940457793
SNP_P1_195588_25045	NW_004515997.1	Scaffold561	25045	CC	AA	1940457794
SNP_P1_195589_25167	NW_004515997.1	Scaffold561	25167	TT	CC	1940457795
SNP_P1_195590_25168	NW_004515997.1	Scaffold561	25168	CC	TT	1940457796
SNP_P1_195591_25227	NW_004515997.1	Scaffold561	25227	CC	TT	1940457797
SNP_P1_195592_25380	NW_004515997.1	Scaffold561	25380	AA	CC	1940457798
SNP_P1_195594_28320	NW_004515997.1	Scaffold561	28320	TT	GG	1940457799
SNP_P1_195595_28372	NW_004515997.1	Scaffold561	28372	GG	TT	1940457800
SNP_P1_195596_28620	NW_004515997.1	Scaffold561	28620	CC	GG	1940457801
SNP_P1_195597_28735	NW_004515997.1	Scaffold561	28735	AA	TT	1940457802
SNP_P1_195598_28894	NW_004515997.1	Scaffold561	28894	AA	GG	1940457803
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SNP_P1_195600_31365	NW_004515997.1	Scaffold561	31365	TT	AA	1940457805
SNP_P1_195601_31648	NW_004515997.1	Scaffold561	31648	AA	GG	1940457806
SNP_P1_195602_31653	NW_004515997.1	Scaffold561	31653	AA	CC	1940457807
SNP_P1_195603_31742	NW_004515997.1	Scaffold561	31742	AA	GG	1940457808
SNP_P1_195604_31802	NW_004515997.1	Scaffold561	31802	AA	GG	1940457809
SNP_P1_195605_33329	NW_004515997.1	Scaffold561	33329	CC	AA	1940457810
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SNP_P1_195607_39519	NW_004515997.1	Scaffold561	39519	CC	TT	1940457812
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SNP_P1_195610_44600	NW_004515997.1	Scaffold561	44600	CC	TT	1940457815
SNP_P1_195611_62010	NW_004515997.1	Scaffold561	62010	CC	AA	1940457816
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SNP_P1_195614_83746	NW_004515997.1	Scaffold561	83746	AA	CC	1940457819
SNP_P1_195616_84205	NW_004515997.1	Scaffold561	84205	GG	TT	1940457820
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SNP_P1_195623_176940	NW_004515997.1	Scaffold561	176940	TT	CC	1940457826
SNP_P1_195624_183380	NW_004515997.1	Scaffold561	183380	TT	AA	1940457827

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SNP_P1_195626_205861	NW_004515997.1	Scaffold561	205861	AA	CC	1940457829
SNP_P1_195627_205877	NW_004515997.1	Scaffold561	205877	CC	TT	1940457830
SNP_P1_195628_11289	NW_004515998.1	Scaffold562	11289	AA	GG	1940457831
SNP_P1_195629_32277	NW_004515998.1	Scaffold562	32277	TT	AA	1940457832
SNP_P1_195630_72189	NW_004515998.1	Scaffold562	72189	GG	AA	1940457833
SNP_P1_195631_78983	NW_004515998.1	Scaffold562	78983	CC	TT	1940457834
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SNP_P1_195634_90182	NW_004515998.1	Scaffold562	90182	AA	GG	1940457837
SNP_P1_195635_125235	NW_004515998.1	Scaffold562	125235	CC	TT	1940457838
SNP_P1_195636_125295	NW_004515998.1	Scaffold562	125295	AA	TT	1940457839
SNP_P1_195637_139581	NW_004515998.1	Scaffold562	139581	AA	CC	1940457840
SNP_P1_195638_141520	NW_004515998.1	Scaffold562	141520	CC	TT	1940457841
SNP_P1_195639_148388	NW_004515998.1	Scaffold562	148388	CC	TT	1940457842
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SNP_P1_195643_183060	NW_004515998.1	Scaffold562	183060	TT	CC	1940457846
SNP_P1_195644_183723	NW_004515998.1	Scaffold562	183723	TT	GG	1940457847
SNP_P1_195646_197475	NW_004515998.1	Scaffold562	197475	TT	CC	1940457848
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SNP_P1_195667_221730	NW_004515998.1	Scaffold562	221730	CC	GG	1940457868
SNP_P1_195668_221777	NW_004515998.1	Scaffold562	221777	AA	GG	1940457869

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195673_240609	NW_004515998.1	Scaffold562	240609	GG	TT	1940457873
SNP_P1_195674_240790	NW_004515998.1	Scaffold562	240790	GG	AA	1940457874
SNP_P1_195675_240964	NW_004515998.1	Scaffold562	240964	TT	AA	1940457875
SNP_P1_195676_241005	NW_004515998.1	Scaffold562	241005	AA	TT	1940457876
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SNP_P1_195680_254083	NW_004515998.1	Scaffold562	254083	CC	AA	1940457878
SNP_P1_195681_256797	NW_004515998.1	Scaffold562	256797	CC	TT	1940457879
SNP_P1_195682_256813	NW_004515998.1	Scaffold562	256813	TT	CC	1940457880
SNP_P1_195683_256878	NW_004515998.1	Scaffold562	256878	TT	CC	1940457881
SNP_P1_195684_256881	NW_004515998.1	Scaffold562	256881	CC	TT	1940457882
SNP_P1_195685_256902	NW_004515998.1	Scaffold562	256902	TT	AA	1940457883
SNP_P1_195686_256912	NW_004515998.1	Scaffold562	256912	TT	CC	1940457884
SNP_P1_195687_256932	NW_004515998.1	Scaffold562	256932	GG	TT	1940457885
SNP_P1_195688_257031	NW_004515998.1	Scaffold562	257031	GG	TT	1940457886
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SNP_P1_195690_257085	NW_004515998.1	Scaffold562	257085	CC	TT	1940457888
SNP_P1_195691_257105	NW_004515998.1	Scaffold562	257105	GG	AA	1940457889
SNP_P1_195692_257237	NW_004515998.1	Scaffold562	257237	CC	AA	1940457890
SNP_P1_195693_257238	NW_004515998.1	Scaffold562	257238	AA	CC	1940457891
SNP_P1_195694_257244	NW_004515998.1	Scaffold562	257244	TT	AA	1940457892
SNP_P1_195695_257288	NW_004515998.1	Scaffold562	257288	GG	CC	1940457893
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SNP_P1_195699_270827	NW_004515998.1	Scaffold562	270827	GG	TT	1940457897
SNP_P1_195700_270838	NW_004515998.1	Scaffold562	270838	CC	TT	1940457898
SNP_P1_195701_273275	NW_004515998.1	Scaffold562	273275	AA	GG	1940457899
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SNP_P1_195714_9086	NW_004515999.1	Scaffold563	9086	AA	GG	1940457910
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195717_18534	NW_004515999.1	Scaffold563	18534	AA	TT	1940457913
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SNP_P1_195719_22750	NW_004515999.1	Scaffold563	22750	AA	CC	1940457915
SNP_P1_195720_22789	NW_004515999.1	Scaffold563	22789	TT	CC	1940457917
SNP_P1_195721_22826	NW_004515999.1	Scaffold563	22826	AA	TT	1940457918
SNP_P1_195722_22842	NW_004515999.1	Scaffold563	22842	CC	TT	1940457919
SNP_P1_195723_22870	NW_004515999.1	Scaffold563	22870	TT	AA	1940457920
SNP_P1_195724_23031	NW_004515999.1	Scaffold563	23031	AA	TT	1940457921
SNP_P1_195725_23054	NW_004515999.1	Scaffold563	23054	AA	GG	1940457922
SNP_P1_195726_23059	NW_004515999.1	Scaffold563	23059	TT	CC	1940457923
SNP_P1_195727_23150	NW_004515999.1	Scaffold563	23150	CC	AA	1940457924
SNP_P1_195728_23171	NW_004515999.1	Scaffold563	23171	CC	AA	1940457925
SNP_P1_195729_23554	NW_004515999.1	Scaffold563	23554	GG	AA	1940457926
SNP_P1_195730_2239	NW_004516000.1	Scaffold564	2239	TT	CC	1940457927
SNP_P1_195731_2620	NW_004516000.1	Scaffold564	2620	AA	TT	1940457928
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SNP_P1_195735_2716	NW_004516000.1	Scaffold564	2716	GG	TT	1940457931
SNP_P1_195736_2734	NW_004516000.1	Scaffold564	2734	CC	GG	1940457932
SNP_P1_195737_2991	NW_004516000.1	Scaffold564	2991	CC	TT	1940457933
SNP_P1_195738_3050	NW_004516000.1	Scaffold564	3050	AA	TT	1940457934
SNP_P1_195740_3188	NW_004516000.1	Scaffold564	3188	CC	TT	1940457935
SNP_P1_195741_3207	NW_004516000.1	Scaffold564	3207	GG	AA	1940457936
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SNP_P1_195746_3390	NW_004516000.1	Scaffold564	3390	AA	GG	1940457941
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SNP_P1_195752_3586	NW_004516000.1	Scaffold564	3586	GG	AA	1940457947
SNP_P1_195753_3658	NW_004516000.1	Scaffold564	3658	AA	GG	1940457948
SNP_P1_195754_3722	NW_004516000.1	Scaffold564	3722	AA	GG	1940457949
SNP_P1_195755_3770	NW_004516000.1	Scaffold564	3770	CC	TT	1940457950
SNP_P1_195756_3943	NW_004516000.1	Scaffold564	3943	GG	CC	1940457951
SNP_P1_195757_3991	NW_004516000.1	Scaffold564	3991	AA	CC	1940457952
SNP_P1_195758_4137	NW_004516000.1	Scaffold564	4137	TT	CC	1940457953
SNP_P1_195759_4188	NW_004516000.1	Scaffold564	4188	GG	CC	1940457954

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195762_4873	NW_004516000.1	Scaffold564	4873	AA	GG	1940457957
SNP_P1_195763_4940	NW_004516000.1	Scaffold564	4940	AA	TT	1940457958
SNP_P1_195764_5069	NW_004516000.1	Scaffold564	5069	AA	CC	1940457959
SNP_P1_195765_5084	NW_004516000.1	Scaffold564	5084	CC	TT	1940457960
SNP_P1_195766_5104	NW_004516000.1	Scaffold564	5104	TT	AA	1940457961
SNP_P1_195767_5105	NW_004516000.1	Scaffold564	5105	TT	AA	1940457962
SNP_P1_195768_5108	NW_004516000.1	Scaffold564	5108	TT	CC	1940457963
SNP_P1_195769_5127	NW_004516000.1	Scaffold564	5127	TT	AA	1940457964
SNP_P1_195770_5186	NW_004516000.1	Scaffold564	5186	CC	TT	1940457965
SNP_P1_195772_5290	NW_004516000.1	Scaffold564	5290	AA	TT	1940457966
SNP_P1_195773_5299	NW_004516000.1	Scaffold564	5299	AA	TT	1940457967
SNP_P1_195774_5314	NW_004516000.1	Scaffold564	5314	AA	CC	1940457968
SNP_P1_195775_5401	NW_004516000.1	Scaffold564	5401	GG	TT	1940457969
SNP_P1_195776_5451	NW_004516000.1	Scaffold564	5451	TT	CC	1940457970
SNP_P1_195777_5539	NW_004516000.1	Scaffold564	5539	GG	AA	1940457971
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SNP_P1_195779_5850	NW_004516000.1	Scaffold564	5850	TT	CC	1940457973
SNP_P1_195780_7199	NW_004516000.1	Scaffold564	7199	AA	TT	1940457974
SNP_P1_195781_7237	NW_004516000.1	Scaffold564	7237	AA	GG	1940457975
SNP_P1_195782_7275	NW_004516000.1	Scaffold564	7275	TT	CC	1940457976
SNP_P1_195783_7348	NW_004516000.1	Scaffold564	7348	GG	CC	1940457977
SNP_P1_195784_7367	NW_004516000.1	Scaffold564	7367	GG	AA	1940457978
SNP_P1_195785_7384	NW_004516000.1	Scaffold564	7384	AA	CC	1940457979
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SNP_P1_195788_7447	NW_004516000.1	Scaffold564	7447	AA	GG	1940457981
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SNP_P1_195791_7617	NW_004516000.1	Scaffold564	7617	TT	AA	1940457984
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SNP_P1_195793_8228	NW_004516000.1	Scaffold564	8228	GG	AA	1940457986
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SNP_P1_195796_8416	NW_004516000.1	Scaffold564	8416	CC	AA	1940457988
SNP_P1_195797_8417	NW_004516000.1	Scaffold564	8417	AA	CC	1940457989
SNP_P1_195798_8525	NW_004516000.1	Scaffold564	8525	CC	TT	1940457990
SNP_P1_195799_8541	NW_004516000.1	Scaffold564	8541	AA	TT	1940457991
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SNP_P1_195802_9057	NW_004516000.1	Scaffold564	9057	CC	TT	1940457994
SNP_P1_195803_10013	NW_004516000.1	Scaffold564	10013	TT	CC	1940457995
SNP_P1_195804_10285	NW_004516000.1	Scaffold564	10285	AA	GG	1940457996

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195806_10341	NW_004516000.1	Scaffold564	10341	GG	AA	1940457998
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SNP_P1_195808_10437	NW_004516000.1	Scaffold564	10437	TT	CC	1940458000
SNP_P1_195809_10516	NW_004516000.1	Scaffold564	10516	AA	GG	1940458001
SNP_P1_195810_10519	NW_004516000.1	Scaffold564	10519	GG	TT	1940458002
SNP_P1_195811_10546	NW_004516000.1	Scaffold564	10546	GG	AA	1940458003
SNP_P1_195812_10819	NW_004516000.1	Scaffold564	10819	GG	AA	1940458004
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SNP_P1_195815_11095	NW_004516000.1	Scaffold564	11095	AA	CC	1940458007
SNP_P1_195816_11161	NW_004516000.1	Scaffold564	11161	CC	TT	1940458008
SNP_P1_195817_11342	NW_004516000.1	Scaffold564	11342	GG	AA	1940458009
SNP_P1_195818_11347	NW_004516000.1	Scaffold564	11347	GG	TT	1940458010
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SNP_P1_195820_11730	NW_004516000.1	Scaffold564	11730	GG	CC	1940458012
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SNP_P1_195825_12612	NW_004516000.1	Scaffold564	12612	GG	AA	1940458017
SNP_P1_195826_12770	NW_004516000.1	Scaffold564	12770	TT	GG	1940458018
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SNP_P1_195830_13405	NW_004516000.1	Scaffold564	13405	TT	CC	1940458022
SNP_P1_195831_13521	NW_004516000.1	Scaffold564	13521	TT	CC	1940458023
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SNP_P1_195843_15264	NW_004516000.1	Scaffold564	15264	TT	CC	1940458031
SNP_P1_195844_15306	NW_004516000.1	Scaffold564	15306	CC	TT	1940458032
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SNP_P1_195846_15450	NW_004516000.1	Scaffold564	15450	AA	TT	1940458034
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SNP_P1_195849_17933	NW_004516000.1	Scaffold564	17933	AA	TT	1940458037
SNP_P1_195850_23585	NW_004516000.1	Scaffold564	23585	GG	AA	1940458038

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SNP_P1_195852_23617	NW_004516000.1	Scaffold564	23617	AA	TT	1940458040
SNP_P1_195853_23687	NW_004516000.1	Scaffold564	23687	AA	GG	1940458041
SNP_P1_195854_24131	NW_004516000.1	Scaffold564	24131	CC	TT	1940458042
SNP_P1_195855_24167	NW_004516000.1	Scaffold564	24167	TT	CC	1940458043
SNP_P1_195856_24210	NW_004516000.1	Scaffold564	24210	TT	CC	1940458044
SNP_P1_195857_24219	NW_004516000.1	Scaffold564	24219	GG	AA	1940458045
SNP_P1_195858_24297	NW_004516000.1	Scaffold564	24297	AA	GG	1940458046
SNP_P1_195859_25801	NW_004516000.1	Scaffold564	25801	GG	CC	1940458047
SNP_P1_195860_25890	NW_004516000.1	Scaffold564	25890	GG	AA	1940458048
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SNP_P1_195864_26166	NW_004516000.1	Scaffold564	26166	GG	AA	1940458050
SNP_P1_195865_26212	NW_004516000.1	Scaffold564	26212	GG	AA	1940458051
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SNP_P1_195875_28822	NW_004516000.1	Scaffold564	28822	GG	AA	1940458062
SNP_P1_195876_28844	NW_004516000.1	Scaffold564	28844	AA	GG	1940458063
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SNP_P1_195894_6803	NW_004516002.1	Scaffold568	6803	GG	AA	1940458080
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SNP_P1_195899_9387	NW_004516002.1	Scaffold568	9387	TT	CC	1940458085
SNP_P1_195900_9569	NW_004516002.1	Scaffold568	9569	CC	GG	1940458086
SNP_P1_195901_9591	NW_004516002.1	Scaffold568	9591	CC	AA	1940458087
SNP_P1_195902_9631	NW_004516002.1	Scaffold568	9631	GG	AA	1940458088
SNP_P1_195903_9772	NW_004516002.1	Scaffold568	9772	AA	CC	1940458089
SNP_P1_195905_12470	NW_004516002.1	Scaffold568	12470	CC	TT	1940458090
SNP_P1_195906_12655	NW_004516002.1	Scaffold568	12655	CC	GG	1940458091
SNP_P1_195907_15883	NW_004516002.1	Scaffold568	15883	AA	GG	1940458092
SNP_P1_195908_15992	NW_004516002.1	Scaffold568	15992	TT	AA	1940458093
SNP_P1_195909_15996	NW_004516002.1	Scaffold568	15996	GG	CC	1940458094
SNP_P1_195910_16158	NW_004516002.1	Scaffold568	16158	TT	CC	1940458095
SNP_P1_195911_17561	NW_004516002.1	Scaffold568	17561	AA	GG	1940458096
SNP_P1_195912_17602	NW_004516002.1	Scaffold568	17602	GG	CC	1940458097
SNP_P1_195913_17607	NW_004516002.1	Scaffold568	17607	CC	AA	1940458098
SNP_P1_195914_18292	NW_004516002.1	Scaffold568	18292	AA	TT	1940458099
SNP_P1_195915_18528	NW_004516002.1	Scaffold568	18528	AA	TT	1940458100
SNP_P1_195916_18579	NW_004516002.1	Scaffold568	18579	AA	GG	1940458101
SNP_P1_195917_18686	NW_004516002.1	Scaffold568	18686	TT	CC	1940458102
SNP_P1_195918_18729	NW_004516002.1	Scaffold568	18729	TT	CC	1940458103
SNP_P1_195919_19466	NW_004516002.1	Scaffold568	19466	GG	AA	1940458104
SNP_P1_195920_19486	NW_004516002.1	Scaffold568	19486	CC	GG	1940458105
SNP_P1_195921_19571	NW_004516002.1	Scaffold568	19571	TT	AA	1940458106
SNP_P1_195922_19606	NW_004516002.1	Scaffold568	19606	AA	GG	1940458107
SNP_P1_195923_19616	NW_004516002.1	Scaffold568	19616	AA	CC	1940458108
SNP_P1_195924_19776	NW_004516002.1	Scaffold568	19776	GG	TT	1940458109
SNP_P1_195925_19797	NW_004516002.1	Scaffold568	19797	AA	TT	1940458110
SNP_P1_195926_19832	NW_004516002.1	Scaffold568	19832	AA	CC	1940458111
SNP_P1_195927_19916	NW_004516002.1	Scaffold568	19916	TT	CC	1940458112
SNP_P1_195928_19918	NW_004516002.1	Scaffold568	19918	GG	AA	1940458113
SNP_P1_195929_25775	NW_004516002.1	Scaffold568	25775	CC	TT	1940458114
SNP_P1_195930_28773	NW_004516002.1	Scaffold568	28773	AA	GG	1940458115
SNP_P1_195931_29503	NW_004516002.1	Scaffold568	29503	TT	CC	1940458116
SNP_P1_195932_29508	NW_004516002.1	Scaffold568	29508	TT	CC	1940458117
SNP_P1_195933_31787	NW_004516002.1	Scaffold568	31787	CC	GG	1940458118
SNP_P1_195934_31896	NW_004516002.1	Scaffold568	31896	CC	TT	1940458119
SNP_P1_195935_31924	NW_004516002.1	Scaffold568	31924	AA	GG	1940458120
SNP_P1_195936_31985	NW_004516002.1	Scaffold568	31985	CC	GG	1940458121
SNP_P1_195937_32216	NW_004516002.1	Scaffold568	32216	GG	CC	1940458122
SNP_P1_195938_32237	NW_004516002.1	Scaffold568	32237	GG	AA	1940458123

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_195939_32371	NW_004516002.1	Scaffold568	32371	TT	CC	1940458124
SNP_P1_195940_32377	NW_004516002.1	Scaffold568	32377	GG	CC	1940458125
SNP_P1_195941_32406	NW_004516002.1	Scaffold568	32406	GG	TT	1940458126
SNP_P1_195942_32407	NW_004516002.1	Scaffold568	32407	TT	AA	1940458127
SNP_P1_195943_32658	NW_004516002.1	Scaffold568	32658	TT	AA	1940458128
SNP_P1_195944_32680	NW_004516002.1	Scaffold568	32680	TT	CC	1940458129
SNP_P1_195945_32703	NW_004516002.1	Scaffold568	32703	AA	TT	1940458130
SNP_P1_195946_32707	NW_004516002.1	Scaffold568	32707	AA	GG	1940458131
SNP_P1_195947_33396	NW_004516002.1	Scaffold568	33396	TT	GG	1940458132
SNP_P1_195948_34465	NW_004516002.1	Scaffold568	34465	GG	AA	1940458133
SNP_P1_195949_34505	NW_004516002.1	Scaffold568	34505	CC	GG	1940458134
SNP_P1_195950_34506	NW_004516002.1	Scaffold568	34506	AA	GG	1940458135
SNP_P1_195951_34666	NW_004516002.1	Scaffold568	34666	GG	CC	1940458136
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SNP_P1_195953_34740	NW_004516002.1	Scaffold568	34740	GG	CC	1940458138
SNP_P1_195954_34875	NW_004516002.1	Scaffold568	34875	AA	GG	1940458139
SNP_P1_195955_34881	NW_004516002.1	Scaffold568	34881	AA	CC	1940458140
SNP_P1_195956_36163	NW_004516002.1	Scaffold568	36163	TT	GG	1940458141
SNP_P1_195957_36198	NW_004516002.1	Scaffold568	36198	AA	TT	1940458142
SNP_P1_195958_36266	NW_004516002.1	Scaffold568	36266	TT	GG	1940458143
SNP_P1_195959_36289	NW_004516002.1	Scaffold568	36289	CC	GG	1940458144
SNP_P1_195960_36520	NW_004516002.1	Scaffold568	36520	AA	TT	1940458145
SNP_P1_195961_36583	NW_004516002.1	Scaffold568	36583	GG	AA	1940458146
SNP_P1_195962_36853	NW_004516002.1	Scaffold568	36853	TT	CC	1940458147
SNP_P1_195963_36997	NW_004516002.1	Scaffold568	36997	TT	CC	1940458148
SNP_P1_195964_37295	NW_004516002.1	Scaffold568	37295	TT	CC	1940458149
SNP_P1_195965_37313	NW_004516002.1	Scaffold568	37313	AA	TT	1940458150
SNP_P1_195966_37328	NW_004516002.1	Scaffold568	37328	TT	CC	1940458151
SNP_P1_195967_37357	NW_004516002.1	Scaffold568	37357	GG	CC	1940458152
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SNP_P1_195969_38028	NW_004516002.1	Scaffold568	38028	TT	AA	1940458154
SNP_P1_195970_38058	NW_004516002.1	Scaffold568	38058	TT	AA	1940458155
SNP_P1_195971_38214	NW_004516002.1	Scaffold568	38214	CC	GG	1940458156
SNP_P1_195972_844	NW_004516004.1	Scaffold571	844	TT	AA	1940458157
SNP_P1_195973_932	NW_004516004.1	Scaffold571	932	TT	GG	1940458158
SNP_P1_195974_958	NW_004516004.1	Scaffold571	958	AA	GG	1940458159
SNP_P1_195975_11988	NW_004516004.1	Scaffold571	11988	AA	CC	1940458160
SNP_P1_195976_12038	NW_004516004.1	Scaffold571	12038	AA	GG	1940458161
SNP_P1_195977_12085	NW_004516004.1	Scaffold571	12085	TT	CC	1940458162
SNP_P1_195978_12096	NW_004516004.1	Scaffold571	12096	CC	AA	1940458163
SNP_P1_195979_12201	NW_004516004.1	Scaffold571	12201	CC	TT	1940458164
SNP_P1_195980_12235	NW_004516004.1	Scaffold571	12235	CC	AA	1940458165

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_195983_17812	NW_004516004.1	Scaffold571	17812	TT	CC	1940458167
SNP_P1_195984_18072	NW_004516004.1	Scaffold571	18072	AA	TT	1940458168
SNP_P1_195985_18095	NW_004516004.1	Scaffold571	18095	GG	TT	1940458169
SNP_P1_195986_18118	NW_004516004.1	Scaffold571	18118	GG	AA	1940458170
SNP_P1_195988_18182	NW_004516004.1	Scaffold571	18182	CC	TT	1940458171
SNP_P1_195989_18211	NW_004516004.1	Scaffold571	18211	CC	TT	1940458172
SNP_P1_195990_18302	NW_004516004.1	Scaffold571	18302	CC	TT	1940458173
SNP_P1_195991_18371	NW_004516004.1	Scaffold571	18371	AA	TT	1940458174
SNP_P1_195992_18417	NW_004516004.1	Scaffold571	18417	CC	TT	1940458175
SNP_P1_195993_18518	NW_004516004.1	Scaffold571	18518	AA	TT	1940458176
SNP_P1_195994_26933	NW_004516004.1	Scaffold571	26933	AA	GG	1940458177
SNP_P1_195995_31157	NW_004516004.1	Scaffold571	31157	CC	TT	1940458178
SNP_P1_195996_31167	NW_004516004.1	Scaffold571	31167	TT	AA	1940458179
SNP_P1_195997_31168	NW_004516004.1	Scaffold571	31168	AA	GG	1940458180
SNP_P1_195998_31199	NW_004516004.1	Scaffold571	31199	GG	TT	1940458181
SNP_P1_195999_31213	NW_004516004.1	Scaffold571	31213	CC	TT	1940458183
SNP_P1_196000_31450	NW_004516004.1	Scaffold571	31450	GG	CC	1940458184
SNP_P1_196001_31457	NW_004516004.1	Scaffold571	31457	TT	CC	1940458185
SNP_P1_196002_31477	NW_004516004.1	Scaffold571	31477	TT	CC	1940458186
SNP_P1_196003_31487	NW_004516004.1	Scaffold571	31487	TT	AA	1940458187
SNP_P1_196004_31500	NW_004516004.1	Scaffold571	31500	GG	AA	1940458188
SNP_P1_196005_31531	NW_004516004.1	Scaffold571	31531	TT	GG	1940458189
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SNP_P1_196007_33514	NW_004516004.1	Scaffold571	33514	GG	AA	1940458191
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SNP_P1_196009_37916	NW_004516004.1	Scaffold571	37916	CC	TT	1940458193
SNP_P1_196010_40323	NW_004516004.1	Scaffold571	40323	AA	GG	1940458194
SNP_P1_196011_40583	NW_004516004.1	Scaffold571	40583	GG	AA	1940458195
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SNP_P1_196014_40778	NW_004516004.1	Scaffold571	40778	TT	CC	1940458198
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SNP_P1_196016_40786	NW_004516004.1	Scaffold571	40786	GG	AA	1940458200
SNP_P1_196017_40825	NW_004516004.1	Scaffold571	40825	GG	TT	1940458201
SNP_P1_196018_40857	NW_004516004.1	Scaffold571	40857	TT	CC	1940458202
SNP_P1_196019_40858	NW_004516004.1	Scaffold571	40858	CC	TT	1940458203
SNP_P1_196020_40922	NW_004516004.1	Scaffold571	40922	AA	GG	1940458204
SNP_P1_196021_41058	NW_004516004.1	Scaffold571	41058	TT	AA	1940458205
SNP_P1_196022_41171	NW_004516004.1	Scaffold571	41171	CC	TT	1940458206
SNP_P1_196023_41226	NW_004516004.1	Scaffold571	41226	GG	AA	1940458207
SNP_P1_196025_41244	NW_004516004.1	Scaffold571	41244	GG	TT	1940458208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196027_47724	NW_004516004.1	Scaffold571	47724	TT	CC	1940458210
SNP_P1_196028_47887	NW_004516004.1	Scaffold571	47887	AA	TT	1940458211
SNP_P1_196029_53704	NW_004516004.1	Scaffold571	53704	AA	TT	1940458212
SNP_P1_196030_53858	NW_004516004.1	Scaffold571	53858	GG	TT	1940458213
SNP_P1_196031_53868	NW_004516004.1	Scaffold571	53868	AA	GG	1940458214
SNP_P1_196032_54216	NW_004516004.1	Scaffold571	54216	AA	GG	1940458215
SNP_P1_196033_54226	NW_004516004.1	Scaffold571	54226	AA	TT	1940458216
SNP_P1_196034_61515	NW_004516004.1	Scaffold571	61515	GG	AA	1940458217
SNP_P1_196035_61559	NW_004516004.1	Scaffold571	61559	TT	GG	1940458218
SNP_P1_196036_61566	NW_004516004.1	Scaffold571	61566	CC	TT	1940458219
SNP_P1_196037_61567	NW_004516004.1	Scaffold571	61567	AA	GG	1940458220
SNP_P1_196038_61634	NW_004516004.1	Scaffold571	61634	TT	CC	1940458221
SNP_P1_196039_62585	NW_004516004.1	Scaffold571	62585	AA	CC	1940458222
SNP_P1_196040_62711	NW_004516004.1	Scaffold571	62711	CC	TT	1940458223
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SNP_P1_196042_62782	NW_004516004.1	Scaffold571	62782	CC	TT	1940458225
SNP_P1_196043_62950	NW_004516004.1	Scaffold571	62950	TT	GG	1940458226
SNP_P1_196044_69120	NW_004516004.1	Scaffold571	69120	GG	TT	1940458227
SNP_P1_196045_71684	NW_004516004.1	Scaffold571	71684	AA	TT	1940458228
SNP_P1_196046_71695	NW_004516004.1	Scaffold571	71695	AA	TT	1940458229
SNP_P1_196047_85776	NW_004516004.1	Scaffold571	85776	AA	GG	1940458230
SNP_P1_196048_92652	NW_004516004.1	Scaffold571	92652	CC	TT	1940458231
SNP_P1_196050_95657	NW_004516004.1	Scaffold571	95657	TT	CC	1940458232
SNP_P1_196051_104314	NW_004516004.1	Scaffold571	104314	TT	GG	1940458233
SNP_P1_196052_104322	NW_004516004.1	Scaffold571	104322	TT	CC	1940458234
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SNP_P1_196054_104392	NW_004516004.1	Scaffold571	104392	AA	GG	1940458236
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SNP_P1_196056_106173	NW_004516004.1	Scaffold571	106173	AA	GG	1940458238
SNP_P1_196057_107012	NW_004516004.1	Scaffold571	107012	CC	AA	1940458239
SNP_P1_196058_122026	NW_004516004.1	Scaffold571	122026	TT	CC	1940458240
SNP_P1_196059_1091	NW_004516005.1	Scaffold572	1091	AA	TT	1940458241
SNP_P1_196060_293	NW_004516006.1	Scaffold573	293	CC	TT	1940458242
SNP_P1_196061_695	NW_004516006.1	Scaffold573	695	AA	GG	1940458243
SNP_P1_196062_13681	NW_004516007.1	Scaffold574	13681	CC	AA	1940458244
SNP_P1_196063_32250	NW_004516007.1	Scaffold574	32250	GG	TT	1940458245
SNP_P1_196064_32254	NW_004516007.1	Scaffold574	32254	CC	GG	1940458246
SNP_P1_196065_32327	NW_004516007.1	Scaffold574	32327	GG	TT	1940458247
SNP_P1_196066_33376	NW_004516007.1	Scaffold574	33376	TT	CC	1940458248
SNP_P1_196067_33666	NW_004516007.1	Scaffold574	33666	CC	TT	1940458249
SNP_P1_196068_33672	NW_004516007.1	Scaffold574	33672	GG	AA	1940458250

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SNP_P1_196071_42262	NW_004516007.1	Scaffold574	42262	GG	AA	1940458252
SNP_P1_196072_42329	NW_004516007.1	Scaffold574	42329	CC	AA	1940458253
SNP_P1_196073_42679	NW_004516007.1	Scaffold574	42679	CC	TT	1940458254
SNP_P1_196074_42832	NW_004516007.1	Scaffold574	42832	TT	CC	1940458255
SNP_P1_196075_43886	NW_004516007.1	Scaffold574	43886	TT	AA	1940458256
SNP_P1_196076_43906	NW_004516007.1	Scaffold574	43906	CC	TT	1940458257
SNP_P1_196077_60735	NW_004516007.1	Scaffold574	60735	GG	AA	1940458258
SNP_P1_196078_69246	NW_004516007.1	Scaffold574	69246	AA	CC	1940458259
SNP_P1_196079_74501	NW_004516007.1	Scaffold574	74501	GG	AA	1940458260
SNP_P1_196081_79771	NW_004516007.1	Scaffold574	79771	CC	AA	1940458261
SNP_P1_196082_79824	NW_004516007.1	Scaffold574	79824	CC	TT	1940458262
SNP_P1_196083_80036	NW_004516007.1	Scaffold574	80036	AA	GG	1940458263
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SNP_P1_196085_80195	NW_004516007.1	Scaffold574	80195	AA	GG	1940458265
SNP_P1_196086_91745	NW_004516007.1	Scaffold574	91745	CC	TT	1940458266
SNP_P1_196087_93740	NW_004516007.1	Scaffold574	93740	GG	TT	1940458267
SNP_P1_196088_93823	NW_004516007.1	Scaffold574	93823	AA	TT	1940458268
SNP_P1_196089_94093	NW_004516007.1	Scaffold574	94093	TT	CC	1940458269
SNP_P1_196090_94506	NW_004516007.1	Scaffold574	94506	AA	GG	1940458270
SNP_P1_196091_94518	NW_004516007.1	Scaffold574	94518	AA	GG	1940458271
SNP_P1_196092_94519	NW_004516007.1	Scaffold574	94519	CC	TT	1940458272
SNP_P1_196093_94530	NW_004516007.1	Scaffold574	94530	GG	TT	1940458273
SNP_P1_196094_94532	NW_004516007.1	Scaffold574	94532	TT	AA	1940458274
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SNP_P1_196100_47800	NW_004516008.1	Scaffold575	47800	TT	CC	1940458280
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SNP_P1_196105_65237	NW_004516008.1	Scaffold575	65237	TT	GG	1940458284
SNP_P1_196106_65246	NW_004516008.1	Scaffold575	65246	TT	CC	1940458285
SNP_P1_196107_65375	NW_004516008.1	Scaffold575	65375	AA	GG	1940458286
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SNP_P1_196109_65466	NW_004516008.1	Scaffold575	65466	TT	GG	1940458288
SNP_P1_196110_65563	NW_004516008.1	Scaffold575	65563	GG	AA	1940458289
SNP_P1_196111_65696	NW_004516008.1	Scaffold575	65696	CC	AA	1940458290
SNP_P1_196112_65784	NW_004516008.1	Scaffold575	65784	CC	TT	1940458291
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SNP_P1_196115_65847	NW_004516008.1	Scaffold575	65847	TT	GG	1940458294
SNP_P1_196116_65882	NW_004516008.1	Scaffold575	65882	TT	CC	1940458295
SNP_P1_196117_65911	NW_004516008.1	Scaffold575	65911	AA	CC	1940458296
SNP_P1_196118_65973	NW_004516008.1	Scaffold575	65973	CC	AA	1940458297
SNP_P1_196119_65992	NW_004516008.1	Scaffold575	65992	AA	CC	1940458298
SNP_P1_196120_66388	NW_004516008.1	Scaffold575	66388	CC	TT	1940458299
SNP_P1_196121_66415	NW_004516008.1	Scaffold575	66415	AA	CC	1940458300
SNP_P1_196122_66450	NW_004516008.1	Scaffold575	66450	AA	CC	1940458301
SNP_P1_196123_66494	NW_004516008.1	Scaffold575	66494	CC	TT	1940458302
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SNP_P1_196125_66624	NW_004516008.1	Scaffold575	66624	AA	GG	1940458304
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SNP_P1_196127_66644	NW_004516008.1	Scaffold575	66644	CC	TT	1940458306
SNP_P1_196128_66685	NW_004516008.1	Scaffold575	66685	GG	AA	1940458307
SNP_P1_196129_66697	NW_004516008.1	Scaffold575	66697	TT	CC	1940458308
SNP_P1_196130_66729	NW_004516008.1	Scaffold575	66729	AA	GG	1940458309
SNP_P1_196131_66764	NW_004516008.1	Scaffold575	66764	TT	CC	1940458310
SNP_P1_196132_66775	NW_004516008.1	Scaffold575	66775	AA	GG	1940458311
SNP_P1_196134_66864	NW_004516008.1	Scaffold575	66864	GG	AA	1940458312
SNP_P1_196136_67047	NW_004516008.1	Scaffold575	67047	TT	GG	1940458313
SNP_P1_196137_67296	NW_004516008.1	Scaffold575	67296	GG	TT	1940458314
SNP_P1_196138_67333	NW_004516008.1	Scaffold575	67333	GG	TT	1940458315
SNP_P1_196139_67363	NW_004516008.1	Scaffold575	67363	AA	GG	1940458316
SNP_P1_196140_67375	NW_004516008.1	Scaffold575	67375	AA	GG	1940458317
SNP_P1_196141_67580	NW_004516008.1	Scaffold575	67580	GG	TT	1940458318
SNP_P1_196142_67636	NW_004516008.1	Scaffold575	67636	TT	GG	1940458319
SNP_P1_196143_67637	NW_004516008.1	Scaffold575	67637	GG	AA	1940458320
SNP_P1_196144_67724	NW_004516008.1	Scaffold575	67724	CC	TT	1940458321
SNP_P1_196145_67751	NW_004516008.1	Scaffold575	67751	TT	AA	1940458322
SNP_P1_196146_67766	NW_004516008.1	Scaffold575	67766	AA	GG	1940458323
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SNP_P1_196149_67889	NW_004516008.1	Scaffold575	67889	TT	GG	1940458325
SNP_P1_196150_67932	NW_004516008.1	Scaffold575	67932	TT	CC	1940458326
SNP_P1_196151_67973	NW_004516008.1	Scaffold575	67973	AA	GG	1940458327
SNP_P1_196152_68015	NW_004516008.1	Scaffold575	68015	CC	AA	1940458328
SNP_P1_196153_68048	NW_004516008.1	Scaffold575	68048	CC	AA	1940458329
SNP_P1_196154_68062	NW_004516008.1	Scaffold575	68062	AA	GG	1940458330
SNP_P1_196155_68063	NW_004516008.1	Scaffold575	68063	AA	GG	1940458331
SNP_P1_196156_68088	NW_004516008.1	Scaffold575	68088	TT	AA	1940458332
SNP_P1_196157_68105	NW_004516008.1	Scaffold575	68105	AA	TT	1940458333
SNP_P1_196158_68261	NW_004516008.1	Scaffold575	68261	GG	AA	1940458334

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196160_68577	NW_004516008.1	Scaffold575	68577	AA	GG	1940458336
SNP_P1_196161_69569	NW_004516008.1	Scaffold575	69569	CC	TT	1940458337
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SNP_P1_196163_71009	NW_004516008.1	Scaffold575	71009	TT	GG	1940458339
SNP_P1_196164_71470	NW_004516008.1	Scaffold575	71470	CC	TT	1940458340
SNP_P1_196165_71592	NW_004516008.1	Scaffold575	71592	CC	TT	1940458341
SNP_P1_196166_71665	NW_004516008.1	Scaffold575	71665	GG	AA	1940458342
SNP_P1_196167_73662	NW_004516008.1	Scaffold575	73662	CC	TT	1940458344
SNP_P1_196168_73677	NW_004516008.1	Scaffold575	73677	CC	AA	1940458345
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SNP_P1_196175_82643	NW_004516008.1	Scaffold575	82643	AA	GG	1940458351
SNP_P1_196176_82655	NW_004516008.1	Scaffold575	82655	CC	TT	1940458352
SNP_P1_196177_82667	NW_004516008.1	Scaffold575	82667	AA	GG	1940458353
SNP_P1_196178_82772	NW_004516008.1	Scaffold575	82772	AA	GG	1940458354
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SNP_P1_196180_82789	NW_004516008.1	Scaffold575	82789	AA	GG	1940458356
SNP_P1_196181_82882	NW_004516008.1	Scaffold575	82882	TT	GG	1940458357
SNP_P1_196182_82973	NW_004516008.1	Scaffold575	82973	AA	TT	1940458358
SNP_P1_196183_83080	NW_004516008.1	Scaffold575	83080	AA	GG	1940458359
SNP_P1_196184_83081	NW_004516008.1	Scaffold575	83081	AA	GG	1940458360
SNP_P1_196187_84943	NW_004516008.1	Scaffold575	84943	GG	AA	1940458361
SNP_P1_196188_89711	NW_004516008.1	Scaffold575	89711	GG	TT	1940458362
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SNP_P1_196190_89883	NW_004516008.1	Scaffold575	89883	TT	GG	1940458364
SNP_P1_196191_89903	NW_004516008.1	Scaffold575	89903	TT	AA	1940458365
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SNP_P1_196198_90365	NW_004516008.1	Scaffold575	90365	TT	CC	1940458370
SNP_P1_196199_90491	NW_004516008.1	Scaffold575	90491	TT	CC	1940458371
SNP_P1_196200_90653	NW_004516008.1	Scaffold575	90653	GG	AA	1940458372
SNP_P1_196201_90926	NW_004516008.1	Scaffold575	90926	GG	AA	1940458373
SNP_P1_196202_90959	NW_004516008.1	Scaffold575	90959	TT	AA	1940458374
SNP_P1_196204_91159	NW_004516008.1	Scaffold575	91159	GG	AA	1940458375
SNP_P1_196205_91197	NW_004516008.1	Scaffold575	91197	GG	AA	1940458376
SNP_P1_196206_91247	NW_004516008.1	Scaffold575	91247	TT	AA	1940458377

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_196207_91253	NW_004516008.1	Scaffold575	91253	CC	AA	1940458378
SNP_P1_196208_91326	NW_004516008.1	Scaffold575	91326	CC	TT	1940458379
SNP_P1_196209_91618	NW_004516008.1	Scaffold575	91618	TT	CC	1940458380
SNP_P1_196210_92047	NW_004516008.1	Scaffold575	92047	CC	AA	1940458381
SNP_P1_196211_92065	NW_004516008.1	Scaffold575	92065	GG	AA	1940458382
SNP_P1_196212_92074	NW_004516008.1	Scaffold575	92074	AA	GG	1940458383
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SNP_P1_196214_92155	NW_004516008.1	Scaffold575	92155	AA	GG	1940458385
SNP_P1_196215_92157	NW_004516008.1	Scaffold575	92157	AA	GG	1940458386
SNP_P1_196216_92163	NW_004516008.1	Scaffold575	92163	TT	GG	1940458387
SNP_P1_196217_92184	NW_004516008.1	Scaffold575	92184	GG	CC	1940458388
SNP_P1_196218_92187	NW_004516008.1	Scaffold575	92187	CC	AA	1940458389
SNP_P1_196219_92202	NW_004516008.1	Scaffold575	92202	TT	CC	1940458390
SNP_P1_196220_92211	NW_004516008.1	Scaffold575	92211	GG	AA	1940458391
SNP_P1_196221_92434	NW_004516008.1	Scaffold575	92434	TT	GG	1940458392
SNP_P1_196222_92748	NW_004516008.1	Scaffold575	92748	TT	GG	1940458393
SNP_P1_196223_92798	NW_004516008.1	Scaffold575	92798	AA	TT	1940458394
SNP_P1_196224_92804	NW_004516008.1	Scaffold575	92804	TT	CC	1940458395
SNP_P1_196225_92840	NW_004516008.1	Scaffold575	92840	TT	CC	1940458396
SNP_P1_196226_92864	NW_004516008.1	Scaffold575	92864	TT	GG	1940458397
SNP_P1_196227_92982	NW_004516008.1	Scaffold575	92982	GG	TT	1940458398
SNP_P1_196228_92985	NW_004516008.1	Scaffold575	92985	TT	CC	1940458399
SNP_P1_196229_92998	NW_004516008.1	Scaffold575	92998	AA	GG	1940458400
SNP_P1_196230_92999	NW_004516008.1	Scaffold575	92999	TT	CC	1940458401
SNP_P1_196231_93030	NW_004516008.1	Scaffold575	93030	AA	GG	1940458402
SNP_P1_196232_96284	NW_004516008.1	Scaffold575	96284	AA	GG	1940458403
SNP_P1_196233_96353	NW_004516008.1	Scaffold575	96353	CC	TT	1940458404
SNP_P1_196234_96361	NW_004516008.1	Scaffold575	96361	CC	TT	1940458405
SNP_P1_196235_96366	NW_004516008.1	Scaffold575	96366	GG	AA	1940458406
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SNP_P1_196237_96430	NW_004516008.1	Scaffold575	96430	CC	AA	1940458408
SNP_P1_196238_96561	NW_004516008.1	Scaffold575	96561	AA	CC	1940458409
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SNP_P1_196242_98491	NW_004516008.1	Scaffold575	98491	GG	AA	1940458412
SNP_P1_196243_98557	NW_004516008.1	Scaffold575	98557	CC	TT	1940458413
SNP_P1_196244_98560	NW_004516008.1	Scaffold575	98560	GG	TT	1940458414
SNP_P1_196245_98598	NW_004516008.1	Scaffold575	98598	TT	GG	1940458415
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SNP_P1_196248_98754	NW_004516008.1	Scaffold575	98754	AA	GG	1940458418
SNP_P1_196250_98888	NW_004516008.1	Scaffold575	98888	AA	TT	1940458419

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196252_98910	NW_004516008.1	Scaffold575	98910	TT	GG	1940458421
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SNP_P1_196254_99040	NW_004516008.1	Scaffold575	99040	AA	GG	1940458423
SNP_P1_196255_99070	NW_004516008.1	Scaffold575	99070	TT	CC	1940458424
SNP_P1_196256_99119	NW_004516008.1	Scaffold575	99119	TT	AA	1940458425
SNP_P1_196257_99120	NW_004516008.1	Scaffold575	99120	TT	GG	1940458426
SNP_P1_196258_99124	NW_004516008.1	Scaffold575	99124	AA	CC	1940458427
SNP_P1_196259_99129	NW_004516008.1	Scaffold575	99129	TT	CC	1940458428
SNP_P1_196260_99133	NW_004516008.1	Scaffold575	99133	CC	TT	1940458429
SNP_P1_196261_99155	NW_004516008.1	Scaffold575	99155	TT	CC	1940458430
SNP_P1_196262_99173	NW_004516008.1	Scaffold575	99173	TT	CC	1940458431
SNP_P1_196264_99205	NW_004516008.1	Scaffold575	99205	AA	GG	1940458432
SNP_P1_196265_99320	NW_004516008.1	Scaffold575	99320	AA	GG	1940458433
SNP_P1_196266_99375	NW_004516008.1	Scaffold575	99375	AA	GG	1940458434
SNP_P1_196267_99381	NW_004516008.1	Scaffold575	99381	CC	TT	1940458435
SNP_P1_196268_99481	NW_004516008.1	Scaffold575	99481	GG	TT	1940458436
SNP_P1_196269_99668	NW_004516008.1	Scaffold575	99668	TT	CC	1940458437
SNP_P1_196270_99728	NW_004516008.1	Scaffold575	99728	AA	GG	1940458438
SNP_P1_196271_99762	NW_004516008.1	Scaffold575	99762	GG	CC	1940458439
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SNP_P1_196273_99809	NW_004516008.1	Scaffold575	99809	AA	GG	1940458441
SNP_P1_196274_99810	NW_004516008.1	Scaffold575	99810	AA	GG	1940458442
SNP_P1_196275_99825	NW_004516008.1	Scaffold575	99825	AA	GG	1940458443
SNP_P1_196276_99867	NW_004516008.1	Scaffold575	99867	GG	AA	1940458444
SNP_P1_196277_99882	NW_004516008.1	Scaffold575	99882	AA	CC	1940458445
SNP_P1_196278_99924	NW_004516008.1	Scaffold575	99924	TT	GG	1940458446
SNP_P1_196279_99925	NW_004516008.1	Scaffold575	99925	AA	CC	1940458447
SNP_P1_196280_99955	NW_004516008.1	Scaffold575	99955	CC	TT	1940458448
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SNP_P1_196286_100070	NW_004516008.1	Scaffold575	100070	CC	GG	1940458454
SNP_P1_196287_100097	NW_004516008.1	Scaffold575	100097	TT	CC	1940458455
SNP_P1_196288_100175	NW_004516008.1	Scaffold575	100175	AA	GG	1940458456
SNP_P1_196289_100191	NW_004516008.1	Scaffold575	100191	AA	CC	1940458457
SNP_P1_196290_100197	NW_004516008.1	Scaffold575	100197	TT	CC	1940458458
SNP_P1_196291_100200	NW_004516008.1	Scaffold575	100200	AA	GG	1940458459
SNP_P1_196292_100227	NW_004516008.1	Scaffold575	100227	CC	AA	1940458460
SNP_P1_196293_100278	NW_004516008.1	Scaffold575	100278	AA	CC	1940458461

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196295_100353	NW_004516008.1	Scaffold575	100353	TT	GG	1940458463
SNP_P1_196296_100391	NW_004516008.1	Scaffold575	100391	AA	CC	1940458464
SNP_P1_196297_100481	NW_004516008.1	Scaffold575	100481	TT	CC	1940458465
SNP_P1_196298_100551	NW_004516008.1	Scaffold575	100551	TT	CC	1940458466
SNP_P1_196299_100576	NW_004516008.1	Scaffold575	100576	GG	AA	1940458467
SNP_P1_196300_100603	NW_004516008.1	Scaffold575	100603	AA	GG	1940458468
SNP_P1_196301_100611	NW_004516008.1	Scaffold575	100611	TT	GG	1940458469
SNP_P1_196302_100619	NW_004516008.1	Scaffold575	100619	TT	GG	1940458470
SNP_P1_196303_100632	NW_004516008.1	Scaffold575	100632	AA	GG	1940458471
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SNP_P1_196305_100648	NW_004516008.1	Scaffold575	100648	AA	GG	1940458473
SNP_P1_196306_100709	NW_004516008.1	Scaffold575	100709	CC	AA	1940458474
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SNP_P1_196309_101011	NW_004516008.1	Scaffold575	101011	AA	GG	1940458477
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SNP_P1_196311_101056	NW_004516008.1	Scaffold575	101056	TT	AA	1940458479
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SNP_P1_196313_101132	NW_004516008.1	Scaffold575	101132	GG	CC	1940458481
SNP_P1_196314_101175	NW_004516008.1	Scaffold575	101175	AA	GG	1940458482
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SNP_P1_196321_101530	NW_004516008.1	Scaffold575	101530	AA	CC	1940458489
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SNP_P1_196323_101540	NW_004516008.1	Scaffold575	101540	TT	GG	1940458491
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SNP_P1_196325_101546	NW_004516008.1	Scaffold575	101546	AA	GG	1940458493
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SNP_P1_196327_101586	NW_004516008.1	Scaffold575	101586	AA	GG	1940458495
SNP_P1_196328_101595	NW_004516008.1	Scaffold575	101595	GG	CC	1940458496
SNP_P1_196329_101598	NW_004516008.1	Scaffold575	101598	TT	CC	1940458497
SNP_P1_196330_101640	NW_004516008.1	Scaffold575	101640	AA	GG	1940458498
SNP_P1_196331_101643	NW_004516008.1	Scaffold575	101643	TT	GG	1940458499
SNP_P1_196332_101654	NW_004516008.1	Scaffold575	101654	AA	GG	1940458500
SNP_P1_196333_101711	NW_004516008.1	Scaffold575	101711	AA	CC	1940458501
SNP_P1_196334_101718	NW_004516008.1	Scaffold575	101718	TT	CC	1940458502
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196338_101760	NW_004516008.1	Scaffold575	101760	TT	CC	1940458507
SNP_P1_196339_101836	NW_004516008.1	Scaffold575	101836	TT	CC	1940458508
SNP_P1_196340_101851	NW_004516008.1	Scaffold575	101851	AA	GG	1940458509
SNP_P1_196341_101899	NW_004516008.1	Scaffold575	101899	AA	GG	1940458510
SNP_P1_196342_102097	NW_004516008.1	Scaffold575	102097	TT	CC	1940458511
SNP_P1_196343_102108	NW_004516008.1	Scaffold575	102108	TT	GG	1940458512
SNP_P1_196344_102122	NW_004516008.1	Scaffold575	102122	GG	AA	1940458513
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SNP_P1_196346_102204	NW_004516008.1	Scaffold575	102204	TT	GG	1940458515
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SNP_P1_196356_103153	NW_004516008.1	Scaffold575	103153	AA	GG	1940458525
SNP_P1_196357_103194	NW_004516008.1	Scaffold575	103194	TT	CC	1940458526
SNP_P1_196358_103196	NW_004516008.1	Scaffold575	103196	AA	TT	1940458527
SNP_P1_196359_103197	NW_004516008.1	Scaffold575	103197	TT	CC	1940458528
SNP_P1_196360_103227	NW_004516008.1	Scaffold575	103227	AA	GG	1940458529
SNP_P1_196362_103301	NW_004516008.1	Scaffold575	103301	TT	CC	1940458530
SNP_P1_196363_103318	NW_004516008.1	Scaffold575	103318	AA	GG	1940458531
SNP_P1_196364_103428	NW_004516008.1	Scaffold575	103428	AA	CC	1940458532
SNP_P1_196365_103456	NW_004516008.1	Scaffold575	103456	TT	CC	1940458533
SNP_P1_196366_103457	NW_004516008.1	Scaffold575	103457	AA	GG	1940458534
SNP_P1_196367_103565	NW_004516008.1	Scaffold575	103565	AA	GG	1940458535
SNP_P1_196368_103567	NW_004516008.1	Scaffold575	103567	CC	TT	1940458536
SNP_P1_196369_103629	NW_004516008.1	Scaffold575	103629	TT	CC	1940458537
SNP_P1_196371_103696	NW_004516008.1	Scaffold575	103696	TT	CC	1940458538
SNP_P1_196372_103706	NW_004516008.1	Scaffold575	103706	GG	TT	1940458539
SNP_P1_196373_103708	NW_004516008.1	Scaffold575	103708	AA	CC	1940458540
SNP_P1_196374_103711	NW_004516008.1	Scaffold575	103711	TT	CC	1940458541
SNP_P1_196375_103750	NW_004516008.1	Scaffold575	103750	AA	GG	1940458542
SNP_P1_196376_103799	NW_004516008.1	Scaffold575	103799	TT	GG	1940458543
SNP_P1_196378_103825	NW_004516008.1	Scaffold575	103825	TT	GG	1940458544
SNP_P1_196379_104015	NW_004516008.1	Scaffold575	104015	AA	GG	1940458545
SNP_P1_196380_104035	NW_004516008.1	Scaffold575	104035	TT	CC	1940458546

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196382_104161	NW_004516008.1	Scaffold575	104161	AA	CC	1940458548
SNP_P1_196383_104170	NW_004516008.1	Scaffold575	104170	TT	CC	1940458549
SNP_P1_196384_104196	NW_004516008.1	Scaffold575	104196	TT	CC	1940458550
SNP_P1_196385_104337	NW_004516008.1	Scaffold575	104337	AA	CC	1940458551
SNP_P1_196386_104355	NW_004516008.1	Scaffold575	104355	TT	GG	1940458552
SNP_P1_196387_104365	NW_004516008.1	Scaffold575	104365	TT	CC	1940458553
SNP_P1_196388_104372	NW_004516008.1	Scaffold575	104372	TT	CC	1940458554
SNP_P1_196389_104384	NW_004516008.1	Scaffold575	104384	AA	GG	1940458555
SNP_P1_196390_104398	NW_004516008.1	Scaffold575	104398	CC	TT	1940458556
SNP_P1_196391_104417	NW_004516008.1	Scaffold575	104417	AA	GG	1940458557
SNP_P1_196392_104437	NW_004516008.1	Scaffold575	104437	AA	CC	1940458558
SNP_P1_196393_104441	NW_004516008.1	Scaffold575	104441	AA	GG	1940458559
SNP_P1_196394_104456	NW_004516008.1	Scaffold575	104456	AA	CC	1940458560
SNP_P1_196395_105930	NW_004516008.1	Scaffold575	105930	TT	CC	1940458561
SNP_P1_196396_105931	NW_004516008.1	Scaffold575	105931	TT	CC	1940458562
SNP_P1_196397_106000	NW_004516008.1	Scaffold575	106000	CC	TT	1940458563
SNP_P1_196398_106007	NW_004516008.1	Scaffold575	106007	CC	TT	1940458564
SNP_P1_196399_106010	NW_004516008.1	Scaffold575	106010	CC	GG	1940458565
SNP_P1_196400_106305	NW_004516008.1	Scaffold575	106305	TT	CC	1940458566
SNP_P1_196401_106335	NW_004516008.1	Scaffold575	106335	AA	GG	1940458567
SNP_P1_196402_107143	NW_004516008.1	Scaffold575	107143	AA	CC	1940458568
SNP_P1_196403_108917	NW_004516008.1	Scaffold575	108917	TT	CC	1940458569
SNP_P1_196404_108931	NW_004516008.1	Scaffold575	108931	AA	GG	1940458570
SNP_P1_196405_108939	NW_004516008.1	Scaffold575	108939	AA	GG	1940458571
SNP_P1_196406_108968	NW_004516008.1	Scaffold575	108968	TT	CC	1940458572
SNP_P1_196407_109318	NW_004516008.1	Scaffold575	109318	GG	AA	1940458573
SNP_P1_196408_109442	NW_004516008.1	Scaffold575	109442	AA	GG	1940458574
SNP_P1_196409_109689	NW_004516008.1	Scaffold575	109689	GG	TT	1940458575
SNP_P1_196410_109787	NW_004516008.1	Scaffold575	109787	CC	TT	1940458576
SNP_P1_196411_109890	NW_004516008.1	Scaffold575	109890	TT	AA	1940458577
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SNP_P1_196414_109969	NW_004516008.1	Scaffold575	109969	AA	TT	1940458580
SNP_P1_196415_109987	NW_004516008.1	Scaffold575	109987	CC	TT	1940458581
SNP_P1_196416_110006	NW_004516008.1	Scaffold575	110006	CC	AA	1940458582
SNP_P1_196417_110068	NW_004516008.1	Scaffold575	110068	AA	CC	1940458583
SNP_P1_196418_110156	NW_004516008.1	Scaffold575	110156	TT	CC	1940458584
SNP_P1_196419_110229	NW_004516008.1	Scaffold575	110229	CC	TT	1940458585
SNP_P1_196420_110239	NW_004516008.1	Scaffold575	110239	TT	CC	1940458586
SNP_P1_196421_110242	NW_004516008.1	Scaffold575	110242	TT	CC	1940458587
SNP_P1_196422_110280	NW_004516008.1	Scaffold575	110280	AA	CC	1940458588

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196424_110362	NW_004516008.1	Scaffold575	110362	AA	GG	1940458590
SNP_P1_196425_110442	NW_004516008.1	Scaffold575	110442	AA	CC	1940458591
SNP_P1_196426_110466	NW_004516008.1	Scaffold575	110466	AA	CC	1940458592
SNP_P1_196427_110481	NW_004516008.1	Scaffold575	110481	AA	GG	1940458593
SNP_P1_196428_110505	NW_004516008.1	Scaffold575	110505	TT	GG	1940458594
SNP_P1_196430_110519	NW_004516008.1	Scaffold575	110519	TT	CC	1940458595
SNP_P1_196431_110521	NW_004516008.1	Scaffold575	110521	TT	AA	1940458596
SNP_P1_196432_110581	NW_004516008.1	Scaffold575	110581	AA	CC	1940458597
SNP_P1_196433_110605	NW_004516008.1	Scaffold575	110605	AA	CC	1940458598
SNP_P1_196434_110620	NW_004516008.1	Scaffold575	110620	AA	GG	1940458599
SNP_P1_196435_110644	NW_004516008.1	Scaffold575	110644	TT	GG	1940458600
SNP_P1_196436_110660	NW_004516008.1	Scaffold575	110660	TT	CC	1940458601
SNP_P1_196437_110663	NW_004516008.1	Scaffold575	110663	TT	CC	1940458602
SNP_P1_196438_110753	NW_004516008.1	Scaffold575	110753	AA	GG	1940458603
SNP_P1_196439_110759	NW_004516008.1	Scaffold575	110759	TT	CC	1940458604
SNP_P1_196440_110765	NW_004516008.1	Scaffold575	110765	TT	CC	1940458605
SNP_P1_196441_110772	NW_004516008.1	Scaffold575	110772	TT	GG	1940458606
SNP_P1_196442_110830	NW_004516008.1	Scaffold575	110830	TT	AA	1940458607
SNP_P1_196443_110886	NW_004516008.1	Scaffold575	110886	TT	CC	1940458608
SNP_P1_196444_110910	NW_004516008.1	Scaffold575	110910	TT	CC	1940458609
SNP_P1_196445_110920	NW_004516008.1	Scaffold575	110920	CC	GG	1940458610
SNP_P1_196446_110949	NW_004516008.1	Scaffold575	110949	CC	TT	1940458611
SNP_P1_196447_111000	NW_004516008.1	Scaffold575	111000	TT	CC	1940458612
SNP_P1_196448_111030	NW_004516008.1	Scaffold575	111030	TT	CC	1940458613
SNP_P1_196449_111035	NW_004516008.1	Scaffold575	111035	TT	CC	1940458614
SNP_P1_196450_111056	NW_004516008.1	Scaffold575	111056	AA	GG	1940458615
SNP_P1_196451_111135	NW_004516008.1	Scaffold575	111135	AA	GG	1940458616
SNP_P1_196452_111178	NW_004516008.1	Scaffold575	111178	CC	AA	1940458617
SNP_P1_196453_111188	NW_004516008.1	Scaffold575	111188	TT	CC	1940458618
SNP_P1_196454_111193	NW_004516008.1	Scaffold575	111193	AA	GG	1940458619
SNP_P1_196455_111203	NW_004516008.1	Scaffold575	111203	AA	GG	1940458620
SNP_P1_196456_111205	NW_004516008.1	Scaffold575	111205	AA	GG	1940458621
SNP_P1_196457_111235	NW_004516008.1	Scaffold575	111235	GG	TT	1940458622
SNP_P1_196458_111239	NW_004516008.1	Scaffold575	111239	TT	CC	1940458623
SNP_P1_196459_111240	NW_004516008.1	Scaffold575	111240	TT	CC	1940458624
SNP_P1_196460_111295	NW_004516008.1	Scaffold575	111295	TT	CC	1940458625
SNP_P1_196461_111313	NW_004516008.1	Scaffold575	111313	GG	CC	1940458626
SNP_P1_196462_111338	NW_004516008.1	Scaffold575	111338	AA	CC	1940458627
SNP_P1_196463_111354	NW_004516008.1	Scaffold575	111354	GG	AA	1940458628
SNP_P1_196464_111356	NW_004516008.1	Scaffold575	111356	TT	GG	1940458629
SNP_P1_196465_111381	NW_004516008.1	Scaffold575	111381	GG	AA	1940458630

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196467_111408	NW_004516008.1	Scaffold575	111408	TT	CC	1940458632
SNP_P1_196468_111409	NW_004516008.1	Scaffold575	111409	AA	GG	1940458633
SNP_P1_196469_111422	NW_004516008.1	Scaffold575	111422	CC	AA	1940458634
SNP_P1_196470_111436	NW_004516008.1	Scaffold575	111436	TT	CC	1940458635
SNP_P1_196471_111454	NW_004516008.1	Scaffold575	111454	AA	CC	1940458636
SNP_P1_196472_111507	NW_004516008.1	Scaffold575	111507	TT	AA	1940458637
SNP_P1_196473_111513	NW_004516008.1	Scaffold575	111513	AA	CC	1940458638
SNP_P1_196474_111527	NW_004516008.1	Scaffold575	111527	GG	CC	1940458639
SNP_P1_196475_111542	NW_004516008.1	Scaffold575	111542	TT	CC	1940458640
SNP_P1_196476_111556	NW_004516008.1	Scaffold575	111556	CC	TT	1940458641
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SNP_P1_196478_111586	NW_004516008.1	Scaffold575	111586	AA	GG	1940458643
SNP_P1_196480_111698	NW_004516008.1	Scaffold575	111698	AA	GG	1940458644
SNP_P1_196482_111725	NW_004516008.1	Scaffold575	111725	TT	CC	1940458645
SNP_P1_196483_111743	NW_004516008.1	Scaffold575	111743	AA	CC	1940458646
SNP_P1_196484_111796	NW_004516008.1	Scaffold575	111796	TT	AA	1940458647
SNP_P1_196485_111831	NW_004516008.1	Scaffold575	111831	TT	CC	1940458648
SNP_P1_196486_111856	NW_004516008.1	Scaffold575	111856	TT	GG	1940458649
SNP_P1_196487_111861	NW_004516008.1	Scaffold575	111861	AA	GG	1940458650
SNP_P1_196488_111875	NW_004516008.1	Scaffold575	111875	AA	GG	1940458651
SNP_P1_196489_111907	NW_004516008.1	Scaffold575	111907	AA	GG	1940458652
SNP_P1_196490_111923	NW_004516008.1	Scaffold575	111923	CC	GG	1940458653
SNP_P1_196491_111945	NW_004516008.1	Scaffold575	111945	AA	GG	1940458654
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SNP_P1_196493_111999	NW_004516008.1	Scaffold575	111999	TT	CC	1940458656
SNP_P1_196494_112004	NW_004516008.1	Scaffold575	112004	AA	CC	1940458657
SNP_P1_196495_112060	NW_004516008.1	Scaffold575	112060	TT	CC	1940458658
SNP_P1_196496_112145	NW_004516008.1	Scaffold575	112145	AA	CC	1940458659
SNP_P1_196497_112166	NW_004516008.1	Scaffold575	112166	AA	GG	1940458660
SNP_P1_196498_112172	NW_004516008.1	Scaffold575	112172	TT	GG	1940458662
SNP_P1_196499_112198	NW_004516008.1	Scaffold575	112198	AA	GG	1940458663
SNP_P1_196500_112212	NW_004516008.1	Scaffold575	112212	TT	GG	1940458664
SNP_P1_196501_112237	NW_004516008.1	Scaffold575	112237	GG	AA	1940458665
SNP_P1_196502_112241	NW_004516008.1	Scaffold575	112241	AA	GG	1940458666
SNP_P1_196503_112256	NW_004516008.1	Scaffold575	112256	GG	TT	1940458667
SNP_P1_196504_112326	NW_004516008.1	Scaffold575	112326	CC	TT	1940458668
SNP_P1_196505_112328	NW_004516008.1	Scaffold575	112328	TT	GG	1940458669
SNP_P1_196506_112341	NW_004516008.1	Scaffold575	112341	TT	CC	1940458670
SNP_P1_196507_112365	NW_004516008.1	Scaffold575	112365	CC	TT	1940458671
SNP_P1_196508_112383	NW_004516008.1	Scaffold575	112383	AA	GG	1940458672
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196511_112451	NW_004516008.1	Scaffold575	112451	GG	AA	1940458675
SNP_P1_196512_112523	NW_004516008.1	Scaffold575	112523	TT	CC	1940458676
SNP_P1_196513_112535	NW_004516008.1	Scaffold575	112535	TT	CC	1940458677
SNP_P1_196514_112557	NW_004516008.1	Scaffold575	112557	AA	CC	1940458678
SNP_P1_196515_112589	NW_004516008.1	Scaffold575	112589	TT	CC	1940458679
SNP_P1_196516_112618	NW_004516008.1	Scaffold575	112618	CC	TT	1940458680
SNP_P1_196517_112629	NW_004516008.1	Scaffold575	112629	TT	CC	1940458681
SNP_P1_196518_112652	NW_004516008.1	Scaffold575	112652	TT	CC	1940458682
SNP_P1_196519_112664	NW_004516008.1	Scaffold575	112664	TT	CC	1940458683
SNP_P1_196520_112697	NW_004516008.1	Scaffold575	112697	AA	GG	1940458684
SNP_P1_196521_112725	NW_004516008.1	Scaffold575	112725	CC	AA	1940458685
SNP_P1_196522_112751	NW_004516008.1	Scaffold575	112751	TT	AA	1940458686
SNP_P1_196524_112848	NW_004516008.1	Scaffold575	112848	CC	GG	1940458687
SNP_P1_196525_112865	NW_004516008.1	Scaffold575	112865	TT	CC	1940458688
SNP_P1_196526_112869	NW_004516008.1	Scaffold575	112869	GG	AA	1940458689
SNP_P1_196527_113131	NW_004516008.1	Scaffold575	113131	GG	AA	1940458690
SNP_P1_196528_113132	NW_004516008.1	Scaffold575	113132	CC	TT	1940458691
SNP_P1_196529_113134	NW_004516008.1	Scaffold575	113134	AA	GG	1940458692
SNP_P1_196530_113141	NW_004516008.1	Scaffold575	113141	GG	AA	1940458693
SNP_P1_196531_113147	NW_004516008.1	Scaffold575	113147	AA	GG	1940458694
SNP_P1_196532_113215	NW_004516008.1	Scaffold575	113215	AA	GG	1940458695
SNP_P1_196535_113364	NW_004516008.1	Scaffold575	113364	TT	CC	1940458696
SNP_P1_196536_113367	NW_004516008.1	Scaffold575	113367	GG	TT	1940458697
SNP_P1_196537_113369	NW_004516008.1	Scaffold575	113369	TT	CC	1940458698
SNP_P1_196538_113404	NW_004516008.1	Scaffold575	113404	TT	CC	1940458699
SNP_P1_196539_113413	NW_004516008.1	Scaffold575	113413	GG	TT	1940458700
SNP_P1_196540_113439	NW_004516008.1	Scaffold575	113439	GG	AA	1940458701
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SNP_P1_196548_113977	NW_004516008.1	Scaffold575	113977	GG	CC	1940458706
SNP_P1_196549_114004	NW_004516008.1	Scaffold575	114004	TT	GG	1940458707
SNP_P1_196550_114022	NW_004516008.1	Scaffold575	114022	AA	GG	1940458708
SNP_P1_196553_114148	NW_004516008.1	Scaffold575	114148	AA	GG	1940458709
SNP_P1_196554_114200	NW_004516008.1	Scaffold575	114200	TT	CC	1940458710
SNP_P1_196555_114231	NW_004516008.1	Scaffold575	114231	TT	CC	1940458711
SNP_P1_196556_114275	NW_004516008.1	Scaffold575	114275	TT	CC	1940458712
SNP_P1_196557_114285	NW_004516008.1	Scaffold575	114285	GG	TT	1940458713
SNP_P1_196558_114314	NW_004516008.1	Scaffold575	114314	TT	GG	1940458714
SNP_P1_196559_114341	NW_004516008.1	Scaffold575	114341	AA	GG	1940458715

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196561_114403	NW_004516008.1	Scaffold575	114403	TT	CC	1940458717
SNP_P1_196562_114419	NW_004516008.1	Scaffold575	114419	AA	GG	1940458718
SNP_P1_196563_114425	NW_004516008.1	Scaffold575	114425	AA	GG	1940458719
SNP_P1_196565_114751	NW_004516008.1	Scaffold575	114751	AA	CC	1940458720
SNP_P1_196566_114798	NW_004516008.1	Scaffold575	114798	TT	CC	1940458721
SNP_P1_196567_114814	NW_004516008.1	Scaffold575	114814	AA	GG	1940458722
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SNP_P1_196569_114882	NW_004516008.1	Scaffold575	114882	CC	TT	1940458724
SNP_P1_196570_114919	NW_004516008.1	Scaffold575	114919	AA	GG	1940458725
SNP_P1_196571_114937	NW_004516008.1	Scaffold575	114937	TT	CC	1940458726
SNP_P1_196572_115113	NW_004516008.1	Scaffold575	115113	AA	CC	1940458727
SNP_P1_196573_115117	NW_004516008.1	Scaffold575	115117	AA	GG	1940458728
SNP_P1_196574_115163	NW_004516008.1	Scaffold575	115163	TT	AA	1940458729
SNP_P1_196575_115171	NW_004516008.1	Scaffold575	115171	AA	GG	1940458730
SNP_P1_196576_115239	NW_004516008.1	Scaffold575	115239	AA	GG	1940458731
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SNP_P1_196580_115273	NW_004516008.1	Scaffold575	115273	AA	GG	1940458735
SNP_P1_196581_115298	NW_004516008.1	Scaffold575	115298	TT	GG	1940458736
SNP_P1_196582_115608	NW_004516008.1	Scaffold575	115608	AA	GG	1940458737
SNP_P1_196583_115675	NW_004516008.1	Scaffold575	115675	AA	GG	1940458738
SNP_P1_196584_115693	NW_004516008.1	Scaffold575	115693	TT	GG	1940458739
SNP_P1_196585_115727	NW_004516008.1	Scaffold575	115727	TT	AA	1940458740
SNP_P1_196586_115766	NW_004516008.1	Scaffold575	115766	TT	GG	1940458741
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SNP_P1_196588_115787	NW_004516008.1	Scaffold575	115787	GG	TT	1940458743
SNP_P1_196589_115836	NW_004516008.1	Scaffold575	115836	TT	CC	1940458744
SNP_P1_196590_115844	NW_004516008.1	Scaffold575	115844	TT	GG	1940458745
SNP_P1_196591_115868	NW_004516008.1	Scaffold575	115868	CC	TT	1940458746
SNP_P1_196592_115874	NW_004516008.1	Scaffold575	115874	TT	CC	1940458747
SNP_P1_196593_115940	NW_004516008.1	Scaffold575	115940	TT	CC	1940458748
SNP_P1_196594_115990	NW_004516008.1	Scaffold575	115990	AA	TT	1940458749
SNP_P1_196595_116019	NW_004516008.1	Scaffold575	116019	AA	CC	1940458750
SNP_P1_196596_116070	NW_004516008.1	Scaffold575	116070	AA	GG	1940458751
SNP_P1_196597_116086	NW_004516008.1	Scaffold575	116086	AA	CC	1940458752
SNP_P1_196598_116139	NW_004516008.1	Scaffold575	116139	CC	TT	1940458753
SNP_P1_196599_116157	NW_004516008.1	Scaffold575	116157	AA	GG	1940458754
SNP_P1_196600_116228	NW_004516008.1	Scaffold575	116228	TT	GG	1940458755
SNP_P1_196601_116236	NW_004516008.1	Scaffold575	116236	AA	TT	1940458756
SNP_P1_196602_116260	NW_004516008.1	Scaffold575	116260	CC	GG	1940458757

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196604_116364	NW_004516008.1	Scaffold575	116364	TT	CC	1940458759
SNP_P1_196605_116365	NW_004516008.1	Scaffold575	116365	AA	GG	1940458760
SNP_P1_196606_116381	NW_004516008.1	Scaffold575	116381	AA	GG	1940458761
SNP_P1_196607_116391	NW_004516008.1	Scaffold575	116391	CC	TT	1940458762
SNP_P1_196608_116432	NW_004516008.1	Scaffold575	116432	TT	AA	1940458763
SNP_P1_196609_116451	NW_004516008.1	Scaffold575	116451	AA	GG	1940458764
SNP_P1_196610_116466	NW_004516008.1	Scaffold575	116466	AA	CC	1940458765
SNP_P1_196611_116467	NW_004516008.1	Scaffold575	116467	CC	AA	1940458766
SNP_P1_196612_116499	NW_004516008.1	Scaffold575	116499	CC	AA	1940458767
SNP_P1_196613_116500	NW_004516008.1	Scaffold575	116500	TT	GG	1940458768
SNP_P1_196614_116502	NW_004516008.1	Scaffold575	116502	CC	TT	1940458769
SNP_P1_196615_116508	NW_004516008.1	Scaffold575	116508	TT	CC	1940458770
SNP_P1_196616_116509	NW_004516008.1	Scaffold575	116509	TT	CC	1940458771
SNP_P1_196617_116846	NW_004516008.1	Scaffold575	116846	TT	CC	1940458772
SNP_P1_196618_116864	NW_004516008.1	Scaffold575	116864	TT	CC	1940458773
SNP_P1_196619_116879	NW_004516008.1	Scaffold575	116879	CC	TT	1940458774
SNP_P1_196620_116880	NW_004516008.1	Scaffold575	116880	AA	GG	1940458775
SNP_P1_196621_116925	NW_004516008.1	Scaffold575	116925	AA	GG	1940458776
SNP_P1_196622_116957	NW_004516008.1	Scaffold575	116957	AA	CC	1940458777
SNP_P1_196623_116972	NW_004516008.1	Scaffold575	116972	AA	TT	1940458778
SNP_P1_196624_116978	NW_004516008.1	Scaffold575	116978	TT	CC	1940458779
SNP_P1_196625_116989	NW_004516008.1	Scaffold575	116989	TT	GG	1940458780
SNP_P1_196626_117063	NW_004516008.1	Scaffold575	117063	AA	GG	1940458781
SNP_P1_196627_117080	NW_004516008.1	Scaffold575	117080	TT	CC	1940458782
SNP_P1_196628_117098	NW_004516008.1	Scaffold575	117098	CC	TT	1940458783
SNP_P1_196629_117144	NW_004516008.1	Scaffold575	117144	AA	GG	1940458784
SNP_P1_196630_117167	NW_004516008.1	Scaffold575	117167	TT	CC	1940458785
SNP_P1_196631_117186	NW_004516008.1	Scaffold575	117186	AA	GG	1940458786
SNP_P1_196632_117187	NW_004516008.1	Scaffold575	117187	AA	TT	1940458787
SNP_P1_196633_117213	NW_004516008.1	Scaffold575	117213	AA	GG	1940458788
SNP_P1_196634_117221	NW_004516008.1	Scaffold575	117221	AA	GG	1940458789
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SNP_P1_196638_117333	NW_004516008.1	Scaffold575	117333	AA	GG	1940458793
SNP_P1_196639_117338	NW_004516008.1	Scaffold575	117338	TT	CC	1940458794
SNP_P1_196640_117357	NW_004516008.1	Scaffold575	117357	CC	TT	1940458795
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SNP_P1_196643_117399	NW_004516008.1	Scaffold575	117399	AA	GG	1940458798
SNP_P1_196644_117424	NW_004516008.1	Scaffold575	117424	AA	TT	1940458799

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196646_117466	NW_004516008.1	Scaffold575	117466	TT	GG	1940458801
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SNP_P1_196649_117603	NW_004516008.1	Scaffold575	117603	GG	AA	1940458804
SNP_P1_196650_117616	NW_004516008.1	Scaffold575	117616	AA	GG	1940458805
SNP_P1_196651_117628	NW_004516008.1	Scaffold575	117628	TT	GG	1940458806
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SNP_P1_196653_117701	NW_004516008.1	Scaffold575	117701	TT	CC	1940458808
SNP_P1_196654_117720	NW_004516008.1	Scaffold575	117720	AA	CC	1940458809
SNP_P1_196655_117732	NW_004516008.1	Scaffold575	117732	TT	GG	1940458810
SNP_P1_196656_117752	NW_004516008.1	Scaffold575	117752	TT	CC	1940458811
SNP_P1_196657_117763	NW_004516008.1	Scaffold575	117763	TT	CC	1940458812
SNP_P1_196658_117775	NW_004516008.1	Scaffold575	117775	AA	TT	1940458813
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SNP_P1_196660_117865	NW_004516008.1	Scaffold575	117865	TT	GG	1940458815
SNP_P1_196661_117900	NW_004516008.1	Scaffold575	117900	AA	GG	1940458816
SNP_P1_196662_117909	NW_004516008.1	Scaffold575	117909	TT	CC	1940458817
SNP_P1_196663_117911	NW_004516008.1	Scaffold575	117911	AA	GG	1940458818
SNP_P1_196664_117964	NW_004516008.1	Scaffold575	117964	AA	CC	1940458819
SNP_P1_196665_117999	NW_004516008.1	Scaffold575	117999	AA	CC	1940458821
SNP_P1_196666_118014	NW_004516008.1	Scaffold575	118014	AA	GG	1940458822
SNP_P1_196667_118141	NW_004516008.1	Scaffold575	118141	AA	GG	1940458823
SNP_P1_196668_118153	NW_004516008.1	Scaffold575	118153	TT	CC	1940458824
SNP_P1_196669_118180	NW_004516008.1	Scaffold575	118180	AA	GG	1940458825
SNP_P1_196670_118188	NW_004516008.1	Scaffold575	118188	AA	GG	1940458826
SNP_P1_196671_118286	NW_004516008.1	Scaffold575	118286	TT	AA	1940458827
SNP_P1_196672_118299	NW_004516008.1	Scaffold575	118299	AA	CC	1940458828
SNP_P1_196673_118335	NW_004516008.1	Scaffold575	118335	TT	CC	1940458829
SNP_P1_196674_118338	NW_004516008.1	Scaffold575	118338	TT	CC	1940458830
SNP_P1_196676_118352	NW_004516008.1	Scaffold575	118352	AA	GG	1940458831
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SNP_P1_196678_118409	NW_004516008.1	Scaffold575	118409	TT	CC	1940458833
SNP_P1_196679_118475	NW_004516008.1	Scaffold575	118475	AA	GG	1940458834
SNP_P1_196680_118525	NW_004516008.1	Scaffold575	118525	AA	GG	1940458835
SNP_P1_196681_118606	NW_004516008.1	Scaffold575	118606	CC	TT	1940458836
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SNP_P1_196684_120111	NW_004516008.1	Scaffold575	120111	AA	GG	1940458839
SNP_P1_196685_120139	NW_004516008.1	Scaffold575	120139	TT	CC	1940458840
SNP_P1_196686_120184	NW_004516008.1	Scaffold575	120184	AA	GG	1940458841
SNP_P1_196687_120187	NW_004516008.1	Scaffold575	120187	TT	GG	1940458842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196689_120203	NW_004516008.1	Scaffold575	120203	TT	CC	1940458844
SNP_P1_196690_120270	NW_004516008.1	Scaffold575	120270	AA	CC	1940458845
SNP_P1_196692_120501	NW_004516008.1	Scaffold575	120501	TT	CC	1940458846
SNP_P1_196694_121299	NW_004516008.1	Scaffold575	121299	TT	GG	1940458847
SNP_P1_196695_121329	NW_004516008.1	Scaffold575	121329	CC	TT	1940458848
SNP_P1_196696_121467	NW_004516008.1	Scaffold575	121467	TT	CC	1940458849
SNP_P1_196697_121595	NW_004516008.1	Scaffold575	121595	GG	AA	1940458850
SNP_P1_196698_121613	NW_004516008.1	Scaffold575	121613	TT	CC	1940458851
SNP_P1_196699_121624	NW_004516008.1	Scaffold575	121624	GG	AA	1940458852
SNP_P1_196700_121689	NW_004516008.1	Scaffold575	121689	CC	AA	1940458853
SNP_P1_196701_121717	NW_004516008.1	Scaffold575	121717	CC	TT	1940458854
SNP_P1_196702_121728	NW_004516008.1	Scaffold575	121728	AA	GG	1940458855
SNP_P1_196703_121741	NW_004516008.1	Scaffold575	121741	GG	AA	1940458856
SNP_P1_196704_121867	NW_004516008.1	Scaffold575	121867	GG	TT	1940458857
SNP_P1_196705_121874	NW_004516008.1	Scaffold575	121874	TT	CC	1940458858
SNP_P1_196706_121879	NW_004516008.1	Scaffold575	121879	CC	TT	1940458859
SNP_P1_196707_121910	NW_004516008.1	Scaffold575	121910	CC	AA	1940458860
SNP_P1_196708_121914	NW_004516008.1	Scaffold575	121914	TT	CC	1940458861
SNP_P1_196709_121954	NW_004516008.1	Scaffold575	121954	AA	GG	1940458862
SNP_P1_196710_121963	NW_004516008.1	Scaffold575	121963	TT	AA	1940458863
SNP_P1_196711_122019	NW_004516008.1	Scaffold575	122019	AA	GG	1940458864
SNP_P1_196712_122056	NW_004516008.1	Scaffold575	122056	AA	CC	1940458865
SNP_P1_196713_122059	NW_004516008.1	Scaffold575	122059	TT	CC	1940458866
SNP_P1_196714_122061	NW_004516008.1	Scaffold575	122061	TT	CC	1940458867
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SNP_P1_196716_122081	NW_004516008.1	Scaffold575	122081	GG	CC	1940458869
SNP_P1_196717_122102	NW_004516008.1	Scaffold575	122102	AA	GG	1940458870
SNP_P1_196718_122121	NW_004516008.1	Scaffold575	122121	TT	CC	1940458871
SNP_P1_196719_122126	NW_004516008.1	Scaffold575	122126	GG	TT	1940458872
SNP_P1_196720_122138	NW_004516008.1	Scaffold575	122138	AA	GG	1940458873
SNP_P1_196721_122151	NW_004516008.1	Scaffold575	122151	CC	AA	1940458874
SNP_P1_196722_122167	NW_004516008.1	Scaffold575	122167	TT	CC	1940458875
SNP_P1_196723_122179	NW_004516008.1	Scaffold575	122179	TT	GG	1940458876
SNP_P1_196724_122312	NW_004516008.1	Scaffold575	122312	TT	CC	1940458877
SNP_P1_196725_122352	NW_004516008.1	Scaffold575	122352	GG	AA	1940458878
SNP_P1_196726_122364	NW_004516008.1	Scaffold575	122364	CC	GG	1940458879
SNP_P1_196727_122366	NW_004516008.1	Scaffold575	122366	AA	GG	1940458880
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SNP_P1_196730_122409	NW_004516008.1	Scaffold575	122409	TT	CC	1940458882
SNP_P1_196731_122473	NW_004516008.1	Scaffold575	122473	GG	CC	1940458883
SNP_P1_196732_122480	NW_004516008.1	Scaffold575	122480	TT	CC	1940458884

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196734_122518	NW_004516008.1	Scaffold575	122518	AA	CC	1940458886
SNP_P1_196735_122574	NW_004516008.1	Scaffold575	122574	TT	GG	1940458887
SNP_P1_196736_124018	NW_004516008.1	Scaffold575	124018	AA	GG	1940458888
SNP_P1_196737_124053	NW_004516008.1	Scaffold575	124053	CC	AA	1940458889
SNP_P1_196738_124076	NW_004516008.1	Scaffold575	124076	CC	AA	1940458890
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SNP_P1_196740_124262	NW_004516008.1	Scaffold575	124262	GG	AA	1940458892
SNP_P1_196741_124301	NW_004516008.1	Scaffold575	124301	GG	AA	1940458893
SNP_P1_196742_124324	NW_004516008.1	Scaffold575	124324	CC	TT	1940458894
SNP_P1_196743_124379	NW_004516008.1	Scaffold575	124379	AA	GG	1940458895
SNP_P1_196744_124388	NW_004516008.1	Scaffold575	124388	CC	AA	1940458896
SNP_P1_196745_124420	NW_004516008.1	Scaffold575	124420	GG	AA	1940458897
SNP_P1_196746_124983	NW_004516008.1	Scaffold575	124983	GG	CC	1940458898
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SNP_P1_196749_125174	NW_004516008.1	Scaffold575	125174	TT	CC	1940458901
SNP_P1_196750_125217	NW_004516008.1	Scaffold575	125217	TT	AA	1940458902
SNP_P1_196751_125245	NW_004516008.1	Scaffold575	125245	TT	CC	1940458903
SNP_P1_196752_125299	NW_004516008.1	Scaffold575	125299	AA	GG	1940458904
SNP_P1_196753_125301	NW_004516008.1	Scaffold575	125301	GG	TT	1940458905
SNP_P1_196754_125327	NW_004516008.1	Scaffold575	125327	AA	GG	1940458906
SNP_P1_196755_125368	NW_004516008.1	Scaffold575	125368	GG	AA	1940458907
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SNP_P1_196760_125449	NW_004516008.1	Scaffold575	125449	TT	GG	1940458912
SNP_P1_196761_125466	NW_004516008.1	Scaffold575	125466	AA	TT	1940458913
SNP_P1_196762_125492	NW_004516008.1	Scaffold575	125492	TT	CC	1940458914
SNP_P1_196763_125518	NW_004516008.1	Scaffold575	125518	TT	CC	1940458915
SNP_P1_196764_125519	NW_004516008.1	Scaffold575	125519	TT	CC	1940458916
SNP_P1_196765_125531	NW_004516008.1	Scaffold575	125531	AA	GG	1940458917
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SNP_P1_196768_125561	NW_004516008.1	Scaffold575	125561	AA	GG	1940458920
SNP_P1_196769_125582	NW_004516008.1	Scaffold575	125582	AA	GG	1940458921
SNP_P1_196770_125599	NW_004516008.1	Scaffold575	125599	TT	CC	1940458922
SNP_P1_196771_125604	NW_004516008.1	Scaffold575	125604	AA	GG	1940458923
SNP_P1_196772_125612	NW_004516008.1	Scaffold575	125612	TT	GG	1940458924
SNP_P1_196773_125654	NW_004516008.1	Scaffold575	125654	TT	CC	1940458925
SNP_P1_196774_125684	NW_004516008.1	Scaffold575	125684	TT	CC	1940458926

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_196776_125748	NW_004516008.1	Scaffold575	125748	CC	TT	1940458928
SNP_P1_196777_125760	NW_004516008.1	Scaffold575	125760	AA	GG	1940458929
SNP_P1_196778_125762	NW_004516008.1	Scaffold575	125762	AA	GG	1940458930
SNP_P1_196779_125802	NW_004516008.1	Scaffold575	125802	CC	TT	1940458931
SNP_P1_196780_125841	NW_004516008.1	Scaffold575	125841	TT	CC	1940458932
SNP_P1_196781_125866	NW_004516008.1	Scaffold575	125866	TT	GG	1940458933
SNP_P1_196782_125876	NW_004516008.1	Scaffold575	125876	TT	CC	1940458934
SNP_P1_196783_125905	NW_004516008.1	Scaffold575	125905	AA	GG	1940458935
SNP_P1_196785_125914	NW_004516008.1	Scaffold575	125914	AA	GG	1940458937
SNP_P1_196786_125985	NW_004516008.1	Scaffold575	125985	AA	GG	1940458938
SNP_P1_196788_126000	NW_004516008.1	Scaffold575	126000	AA	GG	1940458939
SNP_P1_196789_126042	NW_004516008.1	Scaffold575	126042	AA	CC	1940458940
SNP_P1_196790_126053	NW_004516008.1	Scaffold575	126053	GG	TT	1940458941
SNP_P1_196791_126058	NW_004516008.1	Scaffold575	126058	CC	TT	1940458942
SNP_P1_196792_126118	NW_004516008.1	Scaffold575	126118	TT	CC	1940458943
SNP_P1_196793_126155	NW_004516008.1	Scaffold575	126155	TT	CC	1940458944
SNP_P1_196794_126164	NW_004516008.1	Scaffold575	126164	CC	GG	1940458945
SNP_P1_196795_126175	NW_004516008.1	Scaffold575	126175	GG	AA	1940458946
SNP_P1_196796_126255	NW_004516008.1	Scaffold575	126255	TT	CC	1940458947
SNP_P1_196797_126258	NW_004516008.1	Scaffold575	126258	AA	TT	1940458948
SNP_P1_196798_126260	NW_004516008.1	Scaffold575	126260	TT	GG	1940458949
SNP_P1_196799_126345	NW_004516008.1	Scaffold575	126345	TT	CC	1940458950
SNP_P1_196800_126379	NW_004516008.1	Scaffold575	126379	TT	CC	1940458951
SNP_P1_196801_126393	NW_004516008.1	Scaffold575	126393	AA	GG	1940458952
SNP_P1_196802_126407	NW_004516008.1	Scaffold575	126407	TT	CC	1940458953
SNP_P1_196803_126409	NW_004516008.1	Scaffold575	126409	GG	AA	1940458954
SNP_P1_196804_126517	NW_004516008.1	Scaffold575	126517	TT	CC	1940458955
SNP_P1_196805_126518	NW_004516008.1	Scaffold575	126518	TT	CC	1940458956
SNP_P1_196806_126549	NW_004516008.1	Scaffold575	126549	AA	CC	1940458957
SNP_P1_196807_126582	NW_004516008.1	Scaffold575	126582	AA	GG	1940458958
SNP_P1_196808_126604	NW_004516008.1	Scaffold575	126604	GG	TT	1940458959
SNP_P1_196809_126609	NW_004516008.1	Scaffold575	126609	TT	CC	1940458960
SNP_P1_196810_126651	NW_004516008.1	Scaffold575	126651	TT	GG	1940458961
SNP_P1_196811_126718	NW_004516008.1	Scaffold575	126718	TT	AA	1940458962
SNP_P1_196812_126759	NW_004516008.1	Scaffold575	126759	GG	AA	1940458963
SNP_P1_196813_126803	NW_004516008.1	Scaffold575	126803	AA	GG	1940458964
SNP_P1_196814_126809	NW_004516008.1	Scaffold575	126809	AA	GG	1940458965
SNP_P1_196815_126816	NW_004516008.1	Scaffold575	126816	AA	CC	1940458966
SNP_P1_196816_126819	NW_004516008.1	Scaffold575	126819	AA	GG	1940458967
SNP_P1_196817_126846	NW_004516008.1	Scaffold575	126846	AA	GG	1940458968
SNP_P1_196818_126860	NW_004516008.1	Scaffold575	126860	TT	CC	1940458969

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_196819_126875	NW_004516008.1	Scaffold575	126875	TT	CC	1940458970
SNP_P1_196820_126882	NW_004516008.1	Scaffold575	126882	TT	GG	1940458971
SNP_P1_196821_126886	NW_004516008.1	Scaffold575	126886	AA	GG	1940458972
SNP_P1_196822_126937	NW_004516008.1	Scaffold575	126937	AA	CC	1940458973
SNP_P1_196823_127005	NW_004516008.1	Scaffold575	127005	AA	CC	1940458974
SNP_P1_196824_127027	NW_004516008.1	Scaffold575	127027	TT	CC	1940458975
SNP_P1_196825_127030	NW_004516008.1	Scaffold575	127030	AA	GG	1940458976
SNP_P1_196826_127031	NW_004516008.1	Scaffold575	127031	AA	CC	1940458977
SNP_P1_196827_127077	NW_004516008.1	Scaffold575	127077	AA	GG	1940458978
SNP_P1_196828_127135	NW_004516008.1	Scaffold575	127135	TT	AA	1940458979
SNP_P1_196829_127245	NW_004516008.1	Scaffold575	127245	CC	GG	1940458980
SNP_P1_196830_127291	NW_004516008.1	Scaffold575	127291	AA	GG	1940458981
SNP_P1_196831_131225	NW_004516008.1	Scaffold575	131225	AA	GG	1940458982
SNP_P1_196832_133851	NW_004516008.1	Scaffold575	133851	CC	TT	1940458983
SNP_P1_196835_524	NW_004516009.1	Scaffold577	524	GG	AA	1940458984
SNP_P1_196836_4131	NW_004516009.1	Scaffold577	4131	CC	TT	1940458985
SNP_P1_196837_8069	NW_004516009.1	Scaffold577	8069	TT	GG	1940458986
SNP_P1_196838_8143	NW_004516009.1	Scaffold577	8143	TT	CC	1940458987
SNP_P1_196839_8154	NW_004516009.1	Scaffold577	8154	AA	GG	1940458988
SNP_P1_196840_8203	NW_004516009.1	Scaffold577	8203	GG	TT	1940458989
SNP_P1_196841_8565	NW_004516009.1	Scaffold577	8565	GG	AA	1940458990
SNP_P1_196842_16652	NW_004516009.1	Scaffold577	16652	CC	TT	1940458991
SNP_P1_196843_16779	NW_004516009.1	Scaffold577	16779	GG	AA	1940458992
SNP_P1_196844_16818	NW_004516009.1	Scaffold577	16818	AA	GG	1940458993
SNP_P1_196845_17146	NW_004516009.1	Scaffold577	17146	GG	AA	1940458994
SNP_P1_196846_17260	NW_004516009.1	Scaffold577	17260	GG	AA	1940458995
SNP_P1_196847_17270	NW_004516009.1	Scaffold577	17270	TT	GG	1940458996
SNP_P1_196848_17381	NW_004516009.1	Scaffold577	17381	AA	GG	1940458997
SNP_P1_196849_17384	NW_004516009.1	Scaffold577	17384	AA	GG	1940458998
SNP_P1_196850_26690	NW_004516009.1	Scaffold577	26690	GG	CC	1940458999
SNP_P1_196851_26858	NW_004516009.1	Scaffold577	26858	CC	AA	1940459000
SNP_P1_196852_29651	NW_004516009.1	Scaffold577	29651	AA	TT	1940459001
SNP_P1_196853_30374	NW_004516009.1	Scaffold577	30374	CC	TT	1940459002
SNP_P1_196854_30480	NW_004516009.1	Scaffold577	30480	GG	AA	1940459003
SNP_P1_196855_31905	NW_004516009.1	Scaffold577	31905	GG	AA	1940459004
SNP_P1_196856_32637	NW_004516009.1	Scaffold577	32637	TT	CC	1940459005
SNP_P1_196857_35066	NW_004516009.1	Scaffold577	35066	AA	GG	1940459006
SNP_P1_196858_35241	NW_004516009.1	Scaffold577	35241	CC	GG	1940459007
SNP_P1_196859_35253	NW_004516009.1	Scaffold577	35253	TT	CC	1940459008
SNP_P1_196860_35307	NW_004516009.1	Scaffold577	35307	AA	CC	1940459009
SNP_P1_196861_35342	NW_004516009.1	Scaffold577	35342	TT	AA	1940459010
SNP_P1_196862_35452	NW_004516009.1	Scaffold577	35452	TT	CC	1940459011

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_196863_41037	NW_004516009.1	Scaffold577	41037	AA	TT	1940459012
SNP_P1_196864_41147	NW_004516009.1	Scaffold577	41147	CC	TT	1940459013
SNP_P1_196865_41529	NW_004516009.1	Scaffold577	41529	CC	TT	1940459014
SNP_P1_196866_41531	NW_004516009.1	Scaffold577	41531	AA	GG	1940459015
SNP_P1_196867_41532	NW_004516009.1	Scaffold577	41532	GG	TT	1940459016
SNP_P1_196868_41533	NW_004516009.1	Scaffold577	41533	CC	GG	1940459017
SNP_P1_196869_41549	NW_004516009.1	Scaffold577	41549	TT	GG	1940459018
SNP_P1_196870_41559	NW_004516009.1	Scaffold577	41559	TT	CC	1940459019
SNP_P1_196871_41660	NW_004516009.1	Scaffold577	41660	CC	AA	1940459020
SNP_P1_196872_41901	NW_004516009.1	Scaffold577	41901	AA	GG	1940459021
SNP_P1_196873_42120	NW_004516009.1	Scaffold577	42120	AA	GG	1940459022
SNP_P1_196874_42220	NW_004516009.1	Scaffold577	42220	GG	AA	1940459023
SNP_P1_196875_42253	NW_004516009.1	Scaffold577	42253	GG	AA	1940459024
SNP_P1_196876_42270	NW_004516009.1	Scaffold577	42270	TT	GG	1940459025
SNP_P1_196877_42366	NW_004516009.1	Scaffold577	42366	TT	CC	1940459026
SNP_P1_196878_42415	NW_004516009.1	Scaffold577	42415	GG	CC	1940459027
SNP_P1_196879_42444	NW_004516009.1	Scaffold577	42444	AA	TT	1940459028
SNP_P1_196880_42596	NW_004516009.1	Scaffold577	42596	AA	GG	1940459029
SNP_P1_196881_47365	NW_004516009.1	Scaffold577	47365	CC	GG	1940459030
SNP_P1_196882_55226	NW_004516009.1	Scaffold577	55226	TT	CC	1940459031
SNP_P1_196883_55294	NW_004516009.1	Scaffold577	55294	AA	GG	1940459032
SNP_P1_196884_55646	NW_004516009.1	Scaffold577	55646	CC	AA	1940459033
SNP_P1_196885_55935	NW_004516009.1	Scaffold577	55935	CC	AA	1940459034
SNP_P1_196886_56043	NW_004516009.1	Scaffold577	56043	AA	TT	1940459035
SNP_P1_196887_56089	NW_004516009.1	Scaffold577	56089	CC	AA	1940459036
SNP_P1_196888_56644	NW_004516009.1	Scaffold577	56644	GG	TT	1940459037
SNP_P1_196889_56689	NW_004516009.1	Scaffold577	56689	AA	TT	1940459038
SNP_P1_196890_56702	NW_004516009.1	Scaffold577	56702	TT	CC	1940459039
SNP_P1_196891_56936	NW_004516009.1	Scaffold577	56936	GG	AA	1940459040
SNP_P1_196892_64752	NW_004516009.1	Scaffold577	64752	TT	GG	1940459041
SNP_P1_196893_64924	NW_004516009.1	Scaffold577	64924	CC	GG	1940459042
SNP_P1_196894_64957	NW_004516009.1	Scaffold577	64957	CC	GG	1940459043
SNP_P1_196895_65037	NW_004516009.1	Scaffold577	65037	AA	GG	1940459044
SNP_P1_196896_65134	NW_004516009.1	Scaffold577	65134	GG	CC	1940459045
SNP_P1_196897_65199	NW_004516009.1	Scaffold577	65199	GG	AA	1940459046
SNP_P1_196899_65591	NW_004516009.1	Scaffold577	65591	TT	AA	1940459047
SNP_P1_196900_65763	NW_004516009.1	Scaffold577	65763	AA	GG	1940459048
SNP_P1_196901_65839	NW_004516009.1	Scaffold577	65839	TT	CC	1940459049
SNP_P1_196902_66005	NW_004516009.1	Scaffold577	66005	AA	GG	1940459050
SNP_P1_196903_69695	NW_004516009.1	Scaffold577	69695	CC	AA	1940459051
SNP_P1_196904_69949	NW_004516009.1	Scaffold577	69949	TT	CC	1940459052
SNP_P1_196905_69974	NW_004516009.1	Scaffold577	69974	CC	TT	1940459053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_196906_70004	NW_004516009.1	Scaffold577	70004	AA	CC	1940459054
SNP_P1_196907_70293	NW_004516009.1	Scaffold577	70293	AA	GG	1940459055
SNP_P1_196908_70745	NW_004516009.1	Scaffold577	70745	CC	AA	1940459056
SNP_P1_196909_70769	NW_004516009.1	Scaffold577	70769	AA	GG	1940459057
SNP_P1_196910_71064	NW_004516009.1	Scaffold577	71064	TT	GG	1940459058
SNP_P1_196911_74339	NW_004516009.1	Scaffold577	74339	GG	TT	1940459059
SNP_P1_196912_74506	NW_004516009.1	Scaffold577	74506	CC	TT	1940459060
SNP_P1_196913_74646	NW_004516009.1	Scaffold577	74646	AA	CC	1940459061
SNP_P1_196914_74665	NW_004516009.1	Scaffold577	74665	GG	AA	1940459062
SNP_P1_196915_74675	NW_004516009.1	Scaffold577	74675	TT	GG	1940459063
SNP_P1_196916_74688	NW_004516009.1	Scaffold577	74688	TT	CC	1940459064
SNP_P1_196917_79935	NW_004516009.1	Scaffold577	79935	CC	GG	1940459065
SNP_P1_196918_81697	NW_004516009.1	Scaffold577	81697	CC	TT	1940459066
SNP_P1_196919_84203	NW_004516009.1	Scaffold577	84203	TT	GG	1940459067
SNP_P1_196920_84213	NW_004516009.1	Scaffold577	84213	AA	TT	1940459068
SNP_P1_196921_84218	NW_004516009.1	Scaffold577	84218	TT	CC	1940459069
SNP_P1_196922_84337	NW_004516009.1	Scaffold577	84337	AA	TT	1940459070
SNP_P1_196923_84955	NW_004516009.1	Scaffold577	84955	TT	AA	1940459071
SNP_P1_196924_85236	NW_004516009.1	Scaffold577	85236	TT	GG	1940459072
SNP_P1_196926_102917	NW_004516009.1	Scaffold577	102917	AA	GG	1940459073
SNP_P1_196927_106117	NW_004516009.1	Scaffold577	106117	CC	GG	1940459074
SNP_P1_196928_106212	NW_004516009.1	Scaffold577	106212	TT	CC	1940459075
SNP_P1_196929_106273	NW_004516009.1	Scaffold577	106273	CC	TT	1940459076
SNP_P1_196930_106665	NW_004516009.1	Scaffold577	106665	AA	TT	1940459077
SNP_P1_196931_106678	NW_004516009.1	Scaffold577	106678	CC	GG	1940459078
SNP_P1_196932_106722	NW_004516009.1	Scaffold577	106722	TT	CC	1940459079
SNP_P1_196933_106801	NW_004516009.1	Scaffold577	106801	CC	TT	1940459080
SNP_P1_196934_111401	NW_004516009.1	Scaffold577	111401	CC	GG	1940459081
SNP_P1_196935_111445	NW_004516009.1	Scaffold577	111445	AA	GG	1940459082
SNP_P1_196936_111520	NW_004516009.1	Scaffold577	111520	AA	TT	1940459083
SNP_P1_196937_111830	NW_004516009.1	Scaffold577	111830	TT	CC	1940459084
SNP_P1_196938_111851	NW_004516009.1	Scaffold577	111851	AA	GG	1940459085
SNP_P1_196939_111853	NW_004516009.1	Scaffold577	111853	GG	AA	1940459086
SNP_P1_196940_111860	NW_004516009.1	Scaffold577	111860	GG	CC	1940459087
SNP_P1_196941_111883	NW_004516009.1	Scaffold577	111883	GG	AA	1940459088
SNP_P1_196942_111894	NW_004516009.1	Scaffold577	111894	AA	GG	1940459089
SNP_P1_196943_111923	NW_004516009.1	Scaffold577	111923	TT	CC	1940459090
SNP_P1_196944_111939	NW_004516009.1	Scaffold577	111939	AA	GG	1940459091
SNP_P1_196945_111940	NW_004516009.1	Scaffold577	111940	GG	TT	1940459092
SNP_P1_196946_118957	NW_004516009.1	Scaffold577	118957	GG	AA	1940459093
SNP_P1_196947_121452	NW_004516009.1	Scaffold577	121452	CC	AA	1940459094
SNP_P1_196948_121615	NW_004516009.1	Scaffold577	121615	AA	GG	1940459095

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SNP_P1_196950_121945	NW_004516009.1	Scaffold577	121945	TT	GG	1940459097
SNP_P1_196951_122233	NW_004516009.1	Scaffold577	122233	CC	AA	1940459098
SNP_P1_196952_124016	NW_004516009.1	Scaffold577	124016	AA	GG	1940459099
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SNP_P1_196954_2461	NW_004516010.1	Scaffold578	2461	AA	GG	1940459102
SNP_P1_196955_2569	NW_004516010.1	Scaffold578	2569	TT	CC	1940459103
SNP_P1_196956_2737	NW_004516010.1	Scaffold578	2737	TT	CC	1940459104
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SNP_P1_196958_4286	NW_004516010.1	Scaffold578	4286	CC	AA	1940459106
SNP_P1_196959_4562	NW_004516010.1	Scaffold578	4562	AA	TT	1940459107
SNP_P1_196960_7951	NW_004516010.1	Scaffold578	7951	CC	GG	1940459108
SNP_P1_196961_7959	NW_004516010.1	Scaffold578	7959	AA	GG	1940459109
SNP_P1_196962_8073	NW_004516010.1	Scaffold578	8073	TT	GG	1940459110
SNP_P1_196963_10145	NW_004516010.1	Scaffold578	10145	AA	GG	1940459111
SNP_P1_196964_11329	NW_004516010.1	Scaffold578	11329	GG	TT	1940459112
SNP_P1_196965_11396	NW_004516010.1	Scaffold578	11396	TT	CC	1940459113
SNP_P1_196966_11454	NW_004516010.1	Scaffold578	11454	AA	GG	1940459114
SNP_P1_196967_11465	NW_004516010.1	Scaffold578	11465	GG	CC	1940459115
SNP_P1_196968_11607	NW_004516010.1	Scaffold578	11607	GG	AA	1940459116
SNP_P1_196970_11684	NW_004516010.1	Scaffold578	11684	TT	AA	1940459117
SNP_P1_196971_11716	NW_004516010.1	Scaffold578	11716	GG	CC	1940459118
SNP_P1_196972_11747	NW_004516010.1	Scaffold578	11747	TT	AA	1940459119
SNP_P1_196973_11775	NW_004516010.1	Scaffold578	11775	TT	GG	1940459120
SNP_P1_196974_11782	NW_004516010.1	Scaffold578	11782	CC	TT	1940459121
SNP_P1_196975_11904	NW_004516010.1	Scaffold578	11904	AA	GG	1940459122
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SNP_P1_196977_12043	NW_004516010.1	Scaffold578	12043	GG	AA	1940459124
SNP_P1_196978_14204	NW_004516010.1	Scaffold578	14204	TT	CC	1940459125
SNP_P1_196979_15323	NW_004516010.1	Scaffold578	15323	CC	TT	1940459126
SNP_P1_196980_18382	NW_004516010.1	Scaffold578	18382	AA	GG	1940459127
SNP_P1_196981_19673	NW_004516010.1	Scaffold578	19673	GG	CC	1940459128
SNP_P1_196982_19678	NW_004516010.1	Scaffold578	19678	CC	TT	1940459129
SNP_P1_196983_19761	NW_004516010.1	Scaffold578	19761	GG	AA	1940459130
SNP_P1_196984_19768	NW_004516010.1	Scaffold578	19768	GG	CC	1940459131
SNP_P1_196985_19783	NW_004516010.1	Scaffold578	19783	AA	TT	1940459132
SNP_P1_196986_19890	NW_004516010.1	Scaffold578	19890	TT	CC	1940459133
SNP_P1_196987_19891	NW_004516010.1	Scaffold578	19891	AA	GG	1940459134
SNP_P1_196988_19922	NW_004516010.1	Scaffold578	19922	CC	GG	1940459135
SNP_P1_196989_19926	NW_004516010.1	Scaffold578	19926	AA	GG	1940459136
SNP_P1_196990_19932	NW_004516010.1	Scaffold578	19932	AA	CC	1940459137
SNP_P1_196991_19967	NW_004516010.1	Scaffold578	19967	CC	TT	1940459138

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SNP_P1_196993_20015	NW_004516010.1	Scaffold578	20015	TT	CC	1940459140
SNP_P1_196994_20038	NW_004516010.1	Scaffold578	20038	GG	AA	1940459141
SNP_P1_196995_20039	NW_004516010.1	Scaffold578	20039	AA	GG	1940459142
SNP_P1_196996_20112	NW_004516010.1	Scaffold578	20112	GG	AA	1940459143
SNP_P1_196997_20170	NW_004516010.1	Scaffold578	20170	GG	AA	1940459144
SNP_P1_196998_20208	NW_004516010.1	Scaffold578	20208	GG	AA	1940459145
SNP_P1_196999_20225	NW_004516010.1	Scaffold578	20225	GG	AA	1940459146
SNP_P1_197000_20263	NW_004516010.1	Scaffold578	20263	TT	GG	1940459147
SNP_P1_197001_20267	NW_004516010.1	Scaffold578	20267	TT	CC	1940459148
SNP_P1_197002_20524	NW_004516010.1	Scaffold578	20524	GG	TT	1940459149
SNP_P1_197003_20598	NW_004516010.1	Scaffold578	20598	CC	AA	1940459150
SNP_P1_197004_20620	NW_004516010.1	Scaffold578	20620	TT	AA	1940459151
SNP_P1_197005_20754	NW_004516010.1	Scaffold578	20754	AA	TT	1940459152
SNP_P1_197006_20755	NW_004516010.1	Scaffold578	20755	TT	GG	1940459153
SNP_P1_197007_20772	NW_004516010.1	Scaffold578	20772	CC	GG	1940459154
SNP_P1_197008_20945	NW_004516010.1	Scaffold578	20945	AA	GG	1940459155
SNP_P1_197009_20967	NW_004516010.1	Scaffold578	20967	CC	GG	1940459156
SNP_P1_197010_23930	NW_004516010.1	Scaffold578	23930	AA	TT	1940459157
SNP_P1_197011_23980	NW_004516010.1	Scaffold578	23980	AA	GG	1940459158
SNP_P1_197012_26670	NW_004516010.1	Scaffold578	26670	TT	CC	1940459159
SNP_P1_197013_33275	NW_004516010.1	Scaffold578	33275	AA	GG	1940459160
SNP_P1_197014_33455	NW_004516010.1	Scaffold578	33455	CC	TT	1940459161
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SNP_P1_197016_33501	NW_004516010.1	Scaffold578	33501	AA	GG	1940459163
SNP_P1_197017_37144	NW_004516010.1	Scaffold578	37144	AA	GG	1940459164
SNP_P1_197018_37331	NW_004516010.1	Scaffold578	37331	AA	CC	1940459165
SNP_P1_197019_37332	NW_004516010.1	Scaffold578	37332	AA	CC	1940459166
SNP_P1_197020_37361	NW_004516010.1	Scaffold578	37361	TT	AA	1940459167
SNP_P1_197021_37455	NW_004516010.1	Scaffold578	37455	CC	TT	1940459168
SNP_P1_197022_37469	NW_004516010.1	Scaffold578	37469	GG	AA	1940459169
SNP_P1_197023_37473	NW_004516010.1	Scaffold578	37473	CC	TT	1940459170
SNP_P1_197024_37495	NW_004516010.1	Scaffold578	37495	GG	AA	1940459171
SNP_P1_197025_37596	NW_004516010.1	Scaffold578	37596	GG	TT	1940459172
SNP_P1_197026_37809	NW_004516010.1	Scaffold578	37809	TT	GG	1940459173
SNP_P1_197027_37816	NW_004516010.1	Scaffold578	37816	AA	TT	1940459174
SNP_P1_197028_37887	NW_004516010.1	Scaffold578	37887	CC	GG	1940459175
SNP_P1_197030_38107	NW_004516010.1	Scaffold578	38107	GG	CC	1940459176
SNP_P1_197031_38120	NW_004516010.1	Scaffold578	38120	TT	CC	1940459177
SNP_P1_197033_53508	NW_004516010.1	Scaffold578	53508	TT	AA	1940459178
SNP_P1_197034_53685	NW_004516010.1	Scaffold578	53685	GG	AA	1940459179
SNP_P1_197035_53691	NW_004516010.1	Scaffold578	53691	TT	GG	1940459180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197037_53706	NW_004516010.1	Scaffold578	53706	GG	AA	1940459182
SNP_P1_197038_54236	NW_004516010.1	Scaffold578	54236	CC	GG	1940459183
SNP_P1_197039_54318	NW_004516010.1	Scaffold578	54318	AA	CC	1940459184
SNP_P1_197040_54609	NW_004516010.1	Scaffold578	54609	TT	CC	1940459185
SNP_P1_197041_54623	NW_004516010.1	Scaffold578	54623	CC	GG	1940459186
SNP_P1_197042_54653	NW_004516010.1	Scaffold578	54653	GG	AA	1940459187
SNP_P1_197043_54682	NW_004516010.1	Scaffold578	54682	CC	TT	1940459188
SNP_P1_197044_59749	NW_004516010.1	Scaffold578	59749	GG	TT	1940459189
SNP_P1_197045_63641	NW_004516010.1	Scaffold578	63641	AA	GG	1940459190
SNP_P1_197046_63652	NW_004516010.1	Scaffold578	63652	GG	AA	1940459191
SNP_P1_197047_63670	NW_004516010.1	Scaffold578	63670	TT	GG	1940459192
SNP_P1_197048_63699	NW_004516010.1	Scaffold578	63699	AA	GG	1940459193
SNP_P1_197049_63721	NW_004516010.1	Scaffold578	63721	TT	AA	1940459194
SNP_P1_197050_63897	NW_004516010.1	Scaffold578	63897	AA	CC	1940459195
SNP_P1_197051_63919	NW_004516010.1	Scaffold578	63919	AA	GG	1940459196
SNP_P1_197052_63922	NW_004516010.1	Scaffold578	63922	CC	AA	1940459197
SNP_P1_197053_460	NW_004516011.1	Scaffold580	460	CC	GG	1940459198
SNP_P1_197054_1057	NW_004516012.1	Scaffold582	1057	AA	TT	1940459199
SNP_P1_197055_1150	NW_004516012.1	Scaffold582	1150	AA	CC	1940459200
SNP_P1_197056_1177	NW_004516012.1	Scaffold582	1177	TT	CC	1940459201
SNP_P1_197057_1196	NW_004516012.1	Scaffold582	1196	GG	AA	1940459202
SNP_P1_197058_12593	NW_004516012.1	Scaffold582	12593	TT	GG	1940459203
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SNP_P1_197060_13517	NW_004516012.1	Scaffold582	13517	TT	CC	1940459205
SNP_P1_197061_13526	NW_004516012.1	Scaffold582	13526	AA	GG	1940459206
SNP_P1_197062_13535	NW_004516012.1	Scaffold582	13535	TT	CC	1940459207
SNP_P1_197063_13556	NW_004516012.1	Scaffold582	13556	GG	AA	1940459208
SNP_P1_197064_16327	NW_004516012.1	Scaffold582	16327	TT	CC	1940459209
SNP_P1_197065_16347	NW_004516012.1	Scaffold582	16347	AA	CC	1940459210
SNP_P1_197066_24078	NW_004516012.1	Scaffold582	24078	TT	GG	1940459211
SNP_P1_197067_24185	NW_004516012.1	Scaffold582	24185	GG	TT	1940459212
SNP_P1_197068_24201	NW_004516012.1	Scaffold582	24201	AA	GG	1940459213
SNP_P1_197069_24512	NW_004516012.1	Scaffold582	24512	AA	CC	1940459214
SNP_P1_197070_24937	NW_004516012.1	Scaffold582	24937	AA	TT	1940459215
SNP_P1_197071_24962	NW_004516012.1	Scaffold582	24962	CC	AA	1940459216
SNP_P1_197072_24965	NW_004516012.1	Scaffold582	24965	GG	CC	1940459217
SNP_P1_197073_25068	NW_004516012.1	Scaffold582	25068	CC	TT	1940459218
SNP_P1_197074_25209	NW_004516012.1	Scaffold582	25209	CC	TT	1940459219
SNP_P1_197075_25212	NW_004516012.1	Scaffold582	25212	AA	TT	1940459220
SNP_P1_197076_29954	NW_004516012.1	Scaffold582	29954	AA	GG	1940459221
SNP_P1_197077_30215	NW_004516012.1	Scaffold582	30215	AA	GG	1940459222

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197079_30448	NW_004516012.1	Scaffold582	30448	AA	CC	1940459224
SNP_P1_197080_30515	NW_004516012.1	Scaffold582	30515	CC	GG	1940459225
SNP_P1_197081_30568	NW_004516012.1	Scaffold582	30568	CC	TT	1940459226
SNP_P1_197082_30690	NW_004516012.1	Scaffold582	30690	AA	TT	1940459227
SNP_P1_197083_377	NW_004516013.1	Scaffold583	377	AA	GG	1940459228
SNP_P1_197084_378	NW_004516013.1	Scaffold583	378	AA	TT	1940459229
SNP_P1_197085_472	NW_004516013.1	Scaffold583	472	AA	CC	1940459230
SNP_P1_197086_478	NW_004516013.1	Scaffold583	478	CC	TT	1940459231
SNP_P1_197087_566	NW_004516013.1	Scaffold583	566	AA	GG	1940459232
SNP_P1_197088_639	NW_004516013.1	Scaffold583	639	AA	GG	1940459233
SNP_P1_197089_703	NW_004516013.1	Scaffold583	703	TT	GG	1940459234
SNP_P1_197090_1722	NW_004516013.1	Scaffold583	1722	AA	TT	1940459235
SNP_P1_197091_3848	NW_004516013.1	Scaffold583	3848	AA	CC	1940459236
SNP_P1_197092_3854	NW_004516013.1	Scaffold583	3854	TT	CC	1940459237
SNP_P1_197093_3863	NW_004516013.1	Scaffold583	3863	TT	CC	1940459238
SNP_P1_197094_3956	NW_004516013.1	Scaffold583	3956	TT	AA	1940459239
SNP_P1_197095_4006	NW_004516013.1	Scaffold583	4006	GG	AA	1940459240
SNP_P1_197096_4032	NW_004516013.1	Scaffold583	4032	CC	TT	1940459241
SNP_P1_197097_4097	NW_004516013.1	Scaffold583	4097	AA	GG	1940459242
SNP_P1_197099_4168	NW_004516013.1	Scaffold583	4168	AA	CC	1940459243
SNP_P1_197100_4187	NW_004516013.1	Scaffold583	4187	GG	AA	1940459244
SNP_P1_197101_4188	NW_004516013.1	Scaffold583	4188	CC	AA	1940459245
SNP_P1_197102_4226	NW_004516013.1	Scaffold583	4226	TT	CC	1940459246
SNP_P1_197103_4302	NW_004516013.1	Scaffold583	4302	TT	CC	1940459247
SNP_P1_197104_4326	NW_004516013.1	Scaffold583	4326	AA	GG	1940459248
SNP_P1_197105_4330	NW_004516013.1	Scaffold583	4330	TT	CC	1940459249
SNP_P1_197106_4342	NW_004516013.1	Scaffold583	4342	GG	TT	1940459250
SNP_P1_197107_4348	NW_004516013.1	Scaffold583	4348	TT	CC	1940459251
SNP_P1_197108_4369	NW_004516013.1	Scaffold583	4369	TT	GG	1940459252
SNP_P1_197109_4400	NW_004516013.1	Scaffold583	4400	TT	CC	1940459253
SNP_P1_197110_4458	NW_004516013.1	Scaffold583	4458	AA	TT	1940459254
SNP_P1_197111_4497	NW_004516013.1	Scaffold583	4497	GG	AA	1940459255
SNP_P1_197112_11110	NW_004516013.1	Scaffold583	11110	CC	GG	1940459256
SNP_P1_197113_11263	NW_004516013.1	Scaffold583	11263	TT	CC	1940459257
SNP_P1_197114_11289	NW_004516013.1	Scaffold583	11289	GG	AA	1940459258
SNP_P1_197115_11300	NW_004516013.1	Scaffold583	11300	TT	CC	1940459259
SNP_P1_197116_11302	NW_004516013.1	Scaffold583	11302	AA	GG	1940459260
SNP_P1_197117_11382	NW_004516013.1	Scaffold583	11382	AA	GG	1940459261
SNP_P1_197118_11390	NW_004516013.1	Scaffold583	11390	CC	TT	1940459262
SNP_P1_197119_11410	NW_004516013.1	Scaffold583	11410	GG	AA	1940459263
SNP_P1_197120_11447	NW_004516013.1	Scaffold583	11447	CC	TT	1940459264

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197122_11543	NW_004516013.1	Scaffold583	11543	GG	AA	1940459267
SNP_P1_197123_11612	NW_004516013.1	Scaffold583	11612	TT	CC	1940459268
SNP_P1_197124_11814	NW_004516013.1	Scaffold583	11814	TT	CC	1940459269
SNP_P1_197125_11955	NW_004516013.1	Scaffold583	11955	AA	TT	1940459270
SNP_P1_197126_12132	NW_004516013.1	Scaffold583	12132	AA	TT	1940459271
SNP_P1_197127_12194	NW_004516013.1	Scaffold583	12194	AA	TT	1940459272
SNP_P1_197128_12195	NW_004516013.1	Scaffold583	12195	TT	AA	1940459273
SNP_P1_197129_17355	NW_004516013.1	Scaffold583	17355	TT	CC	1940459274
SNP_P1_197130_22786	NW_004516013.1	Scaffold583	22786	AA	TT	1940459275
SNP_P1_197131_22787	NW_004516013.1	Scaffold583	22787	AA	GG	1940459276
SNP_P1_197132_26301	NW_004516013.1	Scaffold583	26301	GG	TT	1940459277
SNP_P1_197133_26706	NW_004516013.1	Scaffold583	26706	CC	AA	1940459278
SNP_P1_197134_37393	NW_004516013.1	Scaffold583	37393	TT	AA	1940459279
SNP_P1_197135_43467	NW_004516013.1	Scaffold583	43467	TT	CC	1940459280
SNP_P1_197136_45978	NW_004516013.1	Scaffold583	45978	TT	CC	1940459281
SNP_P1_197137_45993	NW_004516013.1	Scaffold583	45993	AA	GG	1940459282
SNP_P1_197138_45994	NW_004516013.1	Scaffold583	45994	GG	AA	1940459283
SNP_P1_197139_46068	NW_004516013.1	Scaffold583	46068	TT	CC	1940459284
SNP_P1_197140_46086	NW_004516013.1	Scaffold583	46086	CC	TT	1940459285
SNP_P1_197141_46093	NW_004516013.1	Scaffold583	46093	GG	CC	1940459286
SNP_P1_197142_46105	NW_004516013.1	Scaffold583	46105	CC	TT	1940459287
SNP_P1_197143_46121	NW_004516013.1	Scaffold583	46121	AA	TT	1940459288
SNP_P1_197144_46193	NW_004516013.1	Scaffold583	46193	CC	TT	1940459289
SNP_P1_197145_46328	NW_004516013.1	Scaffold583	46328	TT	AA	1940459290
SNP_P1_197146_46360	NW_004516013.1	Scaffold583	46360	AA	TT	1940459291
SNP_P1_197147_46405	NW_004516013.1	Scaffold583	46405	TT	AA	1940459292
SNP_P1_197148_46457	NW_004516013.1	Scaffold583	46457	TT	AA	1940459293
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SNP_P1_197150_47886	NW_004516013.1	Scaffold583	47886	GG	TT	1940459295
SNP_P1_197151_47902	NW_004516013.1	Scaffold583	47902	TT	GG	1940459296
SNP_P1_197152_47915	NW_004516013.1	Scaffold583	47915	GG	TT	1940459297
SNP_P1_197153_47928	NW_004516013.1	Scaffold583	47928	CC	TT	1940459298
SNP_P1_197154_47933	NW_004516013.1	Scaffold583	47933	CC	TT	1940459299
SNP_P1_197155_54729	NW_004516013.1	Scaffold583	54729	AA	TT	1940459300
SNP_P1_197156_56380	NW_004516013.1	Scaffold583	56380	CC	TT	1940459301
SNP_P1_197157_56895	NW_004516013.1	Scaffold583	56895	GG	AA	1940459302
SNP_P1_197158_72339	NW_004516013.1	Scaffold583	72339	CC	TT	1940459303
SNP_P1_197159_72347	NW_004516013.1	Scaffold583	72347	AA	TT	1940459304
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SNP_P1_197161_80974	NW_004516013.1	Scaffold583	80974	GG	AA	1940459306
SNP_P1_197165_89397	NW_004516013.1	Scaffold583	89397	AA	GG	1940459307

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SNP_P1_197167_89711	NW_004516013.1	Scaffold583	89711	GG	TT	1940459309
SNP_P1_197168_89732	NW_004516013.1	Scaffold583	89732	CC	TT	1940459310
SNP_P1_197169_89758	NW_004516013.1	Scaffold583	89758	TT	CC	1940459311
SNP_P1_197170_89805	NW_004516013.1	Scaffold583	89805	CC	TT	1940459312
SNP_P1_197171_100180	NW_004516013.1	Scaffold583	100180	CC	AA	1940459313
SNP_P1_197172_100181	NW_004516013.1	Scaffold583	100181	AA	CC	1940459314
SNP_P1_197173_100197	NW_004516013.1	Scaffold583	100197	TT	GG	1940459315
SNP_P1_197174_105765	NW_004516013.1	Scaffold583	105765	GG	AA	1940459316
SNP_P1_197175_106145	NW_004516013.1	Scaffold583	106145	TT	CC	1940459317
SNP_P1_197176_106183	NW_004516013.1	Scaffold583	106183	AA	GG	1940459318
SNP_P1_197177_106192	NW_004516013.1	Scaffold583	106192	TT	AA	1940459319
SNP_P1_197178_106347	NW_004516013.1	Scaffold583	106347	AA	CC	1940459320
SNP_P1_197180_119346	NW_004516013.1	Scaffold583	119346	CC	AA	1940459321
SNP_P1_197181_119921	NW_004516013.1	Scaffold583	119921	CC	TT	1940459322
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SNP_P1_197186_135819	NW_004516013.1	Scaffold583	135819	TT	CC	1940459326
SNP_P1_197187_136362	NW_004516013.1	Scaffold583	136362	TT	AA	1940459327
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SNP_P1_197189_136382	NW_004516013.1	Scaffold583	136382	TT	CC	1940459329
SNP_P1_197190_136418	NW_004516013.1	Scaffold583	136418	AA	GG	1940459330
SNP_P1_197191_136470	NW_004516013.1	Scaffold583	136470	TT	AA	1940459331
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SNP_P1_197197_137274	NW_004516013.1	Scaffold583	137274	AA	GG	1940459336
SNP_P1_197198_137556	NW_004516013.1	Scaffold583	137556	GG	TT	1940459337
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SNP_P1_197200_146856	NW_004516013.1	Scaffold583	146856	TT	AA	1940459339
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SNP_P1_197202_146913	NW_004516013.1	Scaffold583	146913	CC	TT	1940459341
SNP_P1_197203_146915	NW_004516013.1	Scaffold583	146915	TT	AA	1940459342
SNP_P1_197204_146919	NW_004516013.1	Scaffold583	146919	GG	AA	1940459343
SNP_P1_197205_146924	NW_004516013.1	Scaffold583	146924	CC	TT	1940459344
SNP_P1_197206_146936	NW_004516013.1	Scaffold583	146936	AA	GG	1940459345
SNP_P1_197207_146937	NW_004516013.1	Scaffold583	146937	CC	TT	1940459346
SNP_P1_197208_147238	NW_004516013.1	Scaffold583	147238	AA	TT	1940459347
SNP_P1_197209_147242	NW_004516013.1	Scaffold583	147242	TT	AA	1940459348
SNP_P1_197210_147245	NW_004516013.1	Scaffold583	147245	CC	TT	1940459349

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197212_147255	NW_004516013.1	Scaffold583	147255	AA	GG	1940459351
SNP_P1_197213_147509	NW_004516013.1	Scaffold583	147509	GG	TT	1940459352
SNP_P1_197214_147552	NW_004516013.1	Scaffold583	147552	AA	TT	1940459353
SNP_P1_197215_147858	NW_004516013.1	Scaffold583	147858	CC	TT	1940459354
SNP_P1_197216_154675	NW_004516013.1	Scaffold583	154675	CC	GG	1940459355
SNP_P1_197217_160834	NW_004516013.1	Scaffold583	160834	TT	AA	1940459356
SNP_P1_197218_162639	NW_004516013.1	Scaffold583	162639	CC	GG	1940459357
SNP_P1_197220_168848	NW_004516013.1	Scaffold583	168848	AA	TT	1940459358
SNP_P1_197221_168854	NW_004516013.1	Scaffold583	168854	CC	GG	1940459359
SNP_P1_197222_168884	NW_004516013.1	Scaffold583	168884	CC	GG	1940459360
SNP_P1_197223_168955	NW_004516013.1	Scaffold583	168955	AA	GG	1940459361
SNP_P1_197224_168961	NW_004516013.1	Scaffold583	168961	TT	AA	1940459362
SNP_P1_197225_169779	NW_004516013.1	Scaffold583	169779	AA	GG	1940459363
SNP_P1_197226_169825	NW_004516013.1	Scaffold583	169825	TT	CC	1940459364
SNP_P1_197227_170016	NW_004516013.1	Scaffold583	170016	AA	GG	1940459365
SNP_P1_197228_170031	NW_004516013.1	Scaffold583	170031	AA	TT	1940459366
SNP_P1_197229_518	NW_004516014.1	Scaffold584	518	GG	AA	1940459367
SNP_P1_197230_972	NW_004516014.1	Scaffold584	972	AA	CC	1940459368
SNP_P1_197231_2975	NW_004516014.1	Scaffold584	2975	AA	GG	1940459369
SNP_P1_197232_7875	NW_004516014.1	Scaffold584	7875	AA	GG	1940459370
SNP_P1_197233_11676	NW_004516014.1	Scaffold584	11676	CC	TT	1940459371
SNP_P1_197234_11792	NW_004516014.1	Scaffold584	11792	AA	GG	1940459372
SNP_P1_197235_11993	NW_004516014.1	Scaffold584	11993	TT	CC	1940459373
SNP_P1_197236_12014	NW_004516014.1	Scaffold584	12014	CC	AA	1940459374
SNP_P1_197237_12030	NW_004516014.1	Scaffold584	12030	GG	CC	1940459375
SNP_P1_197238_12046	NW_004516014.1	Scaffold584	12046	TT	AA	1940459376
SNP_P1_197239_12047	NW_004516014.1	Scaffold584	12047	AA	GG	1940459377
SNP_P1_197240_12048	NW_004516014.1	Scaffold584	12048	AA	GG	1940459378
SNP_P1_197241_12102	NW_004516014.1	Scaffold584	12102	GG	TT	1940459379
SNP_P1_197242_12156	NW_004516014.1	Scaffold584	12156	TT	AA	1940459380
SNP_P1_197243_12184	NW_004516014.1	Scaffold584	12184	GG	AA	1940459381
SNP_P1_197244_12187	NW_004516014.1	Scaffold584	12187	CC	GG	1940459382
SNP_P1_197245_12193	NW_004516014.1	Scaffold584	12193	AA	GG	1940459383
SNP_P1_197246_12257	NW_004516014.1	Scaffold584	12257	CC	AA	1940459384
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SNP_P1_197249_12289	NW_004516014.1	Scaffold584	12289	CC	AA	1940459387
SNP_P1_197252_32840	NW_004516014.1	Scaffold584	32840	GG	AA	1940459388
SNP_P1_197254_61646	NW_004516014.1	Scaffold584	61646	TT	CC	1940459389
SNP_P1_197255_63183	NW_004516014.1	Scaffold584	63183	GG	AA	1940459390
SNP_P1_197256_76107	NW_004516014.1	Scaffold584	76107	AA	GG	1940459391

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197258_81612	NW_004516014.1	Scaffold584	81612	AA	GG	1940459393
SNP_P1_197259_82330	NW_004516014.1	Scaffold584	82330	AA	CC	1940459394
SNP_P1_197260_82349	NW_004516014.1	Scaffold584	82349	AA	TT	1940459395
SNP_P1_197262_119767	NW_004516014.1	Scaffold584	119767	AA	TT	1940459396
SNP_P1_197263_120430	NW_004516014.1	Scaffold584	120430	TT	CC	1940459397
SNP_P1_197264_120469	NW_004516014.1	Scaffold584	120469	CC	AA	1940459398
SNP_P1_197266_129139	NW_004516014.1	Scaffold584	129139	GG	TT	1940459399
SNP_P1_197267_129166	NW_004516014.1	Scaffold584	129166	AA	GG	1940459400
SNP_P1_197268_129522	NW_004516014.1	Scaffold584	129522	CC	TT	1940459401
SNP_P1_197269_135885	NW_004516014.1	Scaffold584	135885	GG	TT	1940459402
SNP_P1_197270_135897	NW_004516014.1	Scaffold584	135897	GG	CC	1940459403
SNP_P1_197271_135922	NW_004516014.1	Scaffold584	135922	CC	AA	1940459404
SNP_P1_197272_135927	NW_004516014.1	Scaffold584	135927	AA	GG	1940459405
SNP_P1_197273_135954	NW_004516014.1	Scaffold584	135954	TT	CC	1940459406
SNP_P1_197274_136056	NW_004516014.1	Scaffold584	136056	TT	CC	1940459407
SNP_P1_197275_136328	NW_004516014.1	Scaffold584	136328	AA	GG	1940459408
SNP_P1_197276_136401	NW_004516014.1	Scaffold584	136401	TT	CC	1940459409
SNP_P1_197277_136407	NW_004516014.1	Scaffold584	136407	AA	GG	1940459410
SNP_P1_197278_136408	NW_004516014.1	Scaffold584	136408	CC	TT	1940459411
SNP_P1_197279_141148	NW_004516014.1	Scaffold584	141148	TT	CC	1940459412
SNP_P1_197280_144347	NW_004516014.1	Scaffold584	144347	CC	AA	1940459413
SNP_P1_197281_144354	NW_004516014.1	Scaffold584	144354	TT	CC	1940459414
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SNP_P1_197283_144515	NW_004516014.1	Scaffold584	144515	AA	TT	1940459416
SNP_P1_197284_144881	NW_004516014.1	Scaffold584	144881	CC	TT	1940459417
SNP_P1_197285_144935	NW_004516014.1	Scaffold584	144935	AA	GG	1940459418
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SNP_P1_197287_179444	NW_004516014.1	Scaffold584	179444	GG	AA	1940459420
SNP_P1_197288_179445	NW_004516014.1	Scaffold584	179445	TT	AA	1940459421
SNP_P1_197289_200964	NW_004516014.1	Scaffold584	200964	GG	TT	1940459422
SNP_P1_197290_204682	NW_004516014.1	Scaffold584	204682	TT	AA	1940459423
SNP_P1_197291_213573	NW_004516014.1	Scaffold584	213573	TT	CC	1940459424
SNP_P1_197292_222793	NW_004516014.1	Scaffold584	222793	AA	GG	1940459426
SNP_P1_197293_222901	NW_004516014.1	Scaffold584	222901	TT	CC	1940459427
SNP_P1_197294_223325	NW_004516014.1	Scaffold584	223325	GG	AA	1940459428
SNP_P1_197295_223883	NW_004516014.1	Scaffold584	223883	TT	GG	1940459429
SNP_P1_197296_223904	NW_004516014.1	Scaffold584	223904	TT	CC	1940459430
SNP_P1_197297_223913	NW_004516014.1	Scaffold584	223913	TT	AA	1940459431
SNP_P1_197298_223915	NW_004516014.1	Scaffold584	223915	AA	GG	1940459432
SNP_P1_197299_223936	NW_004516014.1	Scaffold584	223936	CC	TT	1940459433
SNP_P1_197300_224305	NW_004516014.1	Scaffold584	224305	TT	CC	1940459434

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197303_247661	NW_004516014.1	Scaffold584	247661	AA	TT	1940459436
SNP_P1_197304_249436	NW_004516014.1	Scaffold584	249436	TT	AA	1940459437
SNP_P1_197305_265405	NW_004516014.1	Scaffold584	265405	TT	CC	1940459438
SNP_P1_197306_265414	NW_004516014.1	Scaffold584	265414	AA	GG	1940459439
SNP_P1_197307_266362	NW_004516014.1	Scaffold584	266362	AA	TT	1940459440
SNP_P1_197308_266373	NW_004516014.1	Scaffold584	266373	TT	GG	1940459441
SNP_P1_197309_272803	NW_004516014.1	Scaffold584	272803	GG	TT	1940459442
SNP_P1_197310_272857	NW_004516014.1	Scaffold584	272857	TT	GG	1940459443
SNP_P1_197311_274087	NW_004516014.1	Scaffold584	274087	TT	AA	1940459444
SNP_P1_197312_276681	NW_004516014.1	Scaffold584	276681	TT	AA	1940459445
SNP_P1_197313_295727	NW_004516014.1	Scaffold584	295727	CC	GG	1940459446
SNP_P1_197314_295780	NW_004516014.1	Scaffold584	295780	GG	AA	1940459447
SNP_P1_197315_295866	NW_004516014.1	Scaffold584	295866	AA	GG	1940459448
SNP_P1_197316_295882	NW_004516014.1	Scaffold584	295882	CC	TT	1940459449
SNP_P1_197317_296075	NW_004516014.1	Scaffold584	296075	CC	GG	1940459450
SNP_P1_197318_296259	NW_004516014.1	Scaffold584	296259	CC	TT	1940459451
SNP_P1_197319_296277	NW_004516014.1	Scaffold584	296277	AA	GG	1940459452
SNP_P1_197320_296281	NW_004516014.1	Scaffold584	296281	GG	TT	1940459453
SNP_P1_197321_296349	NW_004516014.1	Scaffold584	296349	TT	AA	1940459454
SNP_P1_197322_296446	NW_004516014.1	Scaffold584	296446	AA	TT	1940459455
SNP_P1_197323_319458	NW_004516014.1	Scaffold584	319458	AA	TT	1940459456
SNP_P1_197324_320762	NW_004516014.1	Scaffold584	320762	AA	GG	1940459457
SNP_P1_197325_325860	NW_004516014.1	Scaffold584	325860	GG	AA	1940459458
SNP_P1_197326_328271	NW_004516014.1	Scaffold584	328271	AA	GG	1940459459
SNP_P1_197327_328908	NW_004516014.1	Scaffold584	328908	AA	CC	1940459460
SNP_P1_197328_332636	NW_004516014.1	Scaffold584	332636	CC	TT	1940459461
SNP_P1_197329_332703	NW_004516014.1	Scaffold584	332703	TT	GG	1940459462
SNP_P1_197330_332949	NW_004516014.1	Scaffold584	332949	TT	CC	1940459463
SNP_P1_197331_332964	NW_004516014.1	Scaffold584	332964	GG	AA	1940459464
SNP_P1_197332_332990	NW_004516014.1	Scaffold584	332990	GG	CC	1940459465
SNP_P1_197333_333648	NW_004516014.1	Scaffold584	333648	CC	AA	1940459466
SNP_P1_197334_334367	NW_004516014.1	Scaffold584	334367	CC	AA	1940459467
SNP_P1_197335_335216	NW_004516014.1	Scaffold584	335216	AA	CC	1940459468
SNP_P1_197336_335770	NW_004516014.1	Scaffold584	335770	CC	GG	1940459469
SNP_P1_197337_252	NW_004516016.1	Scaffold586	252	GG	AA	1940459470
SNP_P1_197338_565	NW_004516016.1	Scaffold586	565	GG	AA	1940459471
SNP_P1_197340_5032	NW_004516016.1	Scaffold586	5032	TT	AA	1940459472
SNP_P1_197341_6802	NW_004516016.1	Scaffold586	6802	CC	TT	1940459473
SNP_P1_197342_6844	NW_004516016.1	Scaffold586	6844	TT	GG	1940459474
SNP_P1_197343_6940	NW_004516016.1	Scaffold586	6940	AA	GG	1940459475
SNP_P1_197344_6941	NW_004516016.1	Scaffold586	6941	GG	TT	1940459476

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197346_7144	NW_004516016.1	Scaffold586	7144	CC	TT	1940459478
SNP_P1_197347_7259	NW_004516016.1	Scaffold586	7259	GG	TT	1940459479
SNP_P1_197348_7264	NW_004516016.1	Scaffold586	7264	GG	AA	1940459480
SNP_P1_197349_7327	NW_004516016.1	Scaffold586	7327	CC	GG	1940459481
SNP_P1_197350_7356	NW_004516016.1	Scaffold586	7356	AA	TT	1940459482
SNP_P1_197351_7624	NW_004516016.1	Scaffold586	7624	TT	AA	1940459483
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SNP_P1_197353_7700	NW_004516016.1	Scaffold586	7700	GG	CC	1940459485
SNP_P1_197354_7707	NW_004516016.1	Scaffold586	7707	TT	CC	1940459486
SNP_P1_197355_7709	NW_004516016.1	Scaffold586	7709	AA	CC	1940459487
SNP_P1_197356_7749	NW_004516016.1	Scaffold586	7749	AA	GG	1940459488
SNP_P1_197357_8848	NW_004516016.1	Scaffold586	8848	TT	AA	1940459489
SNP_P1_197358_10175	NW_004516016.1	Scaffold586	10175	AA	CC	1940459490
SNP_P1_197359_10177	NW_004516016.1	Scaffold586	10177	AA	CC	1940459491
SNP_P1_197360_20279	NW_004516016.1	Scaffold586	20279	AA	GG	1940459492
SNP_P1_197361_20696	NW_004516016.1	Scaffold586	20696	AA	GG	1940459493
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SNP_P1_197363_21653	NW_004516016.1	Scaffold586	21653	CC	GG	1940459495
SNP_P1_197364_21757	NW_004516016.1	Scaffold586	21757	CC	TT	1940459496
SNP_P1_197365_21892	NW_004516016.1	Scaffold586	21892	GG	AA	1940459497
SNP_P1_197366_21904	NW_004516016.1	Scaffold586	21904	CC	TT	1940459498
SNP_P1_197367_21909	NW_004516016.1	Scaffold586	21909	GG	AA	1940459499
SNP_P1_197368_21967	NW_004516016.1	Scaffold586	21967	GG	AA	1940459500
SNP_P1_197369_21976	NW_004516016.1	Scaffold586	21976	GG	AA	1940459501
SNP_P1_197370_21981	NW_004516016.1	Scaffold586	21981	TT	AA	1940459502
SNP_P1_197371_22210	NW_004516016.1	Scaffold586	22210	AA	GG	1940459503
SNP_P1_197372_22320	NW_004516016.1	Scaffold586	22320	TT	CC	1940459504
SNP_P1_197373_22324	NW_004516016.1	Scaffold586	22324	TT	CC	1940459505
SNP_P1_197374_22796	NW_004516016.1	Scaffold586	22796	CC	TT	1940459506
SNP_P1_197375_22802	NW_004516016.1	Scaffold586	22802	CC	AA	1940459507
SNP_P1_197376_22848	NW_004516016.1	Scaffold586	22848	GG	AA	1940459508
SNP_P1_197377_22922	NW_004516016.1	Scaffold586	22922	TT	GG	1940459509
SNP_P1_197378_23007	NW_004516016.1	Scaffold586	23007	CC	TT	1940459510
SNP_P1_197379_23468	NW_004516016.1	Scaffold586	23468	CC	GG	1940459511
SNP_P1_197380_23615	NW_004516016.1	Scaffold586	23615	CC	AA	1940459512
SNP_P1_197381_815	NW_004516017.1	Scaffold587	815	GG	AA	1940459513
SNP_P1_197382_979	NW_004516017.1	Scaffold587	979	AA	GG	1940459514
SNP_P1_197383_4192	NW_004516017.1	Scaffold587	4192	CC	TT	1940459515
SNP_P1_197384_4222	NW_004516017.1	Scaffold587	4222	AA	TT	1940459516
SNP_P1_197385_4454	NW_004516017.1	Scaffold587	4454	AA	GG	1940459517
SNP_P1_197386_4573	NW_004516017.1	Scaffold587	4573	TT	CC	1940459518

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197388_4850	NW_004516017.1	Scaffold587	4850	TT	CC	1940459520
SNP_P1_197389_5028	NW_004516017.1	Scaffold587	5028	TT	GG	1940459521
SNP_P1_197390_5049	NW_004516017.1	Scaffold587	5049	AA	GG	1940459522
SNP_P1_197391_5119	NW_004516017.1	Scaffold587	5119	AA	GG	1940459523
SNP_P1_197392_5226	NW_004516017.1	Scaffold587	5226	AA	GG	1940459524
SNP_P1_197393_5262	NW_004516017.1	Scaffold587	5262	CC	AA	1940459525
SNP_P1_197394_5304	NW_004516017.1	Scaffold587	5304	GG	AA	1940459526
SNP_P1_197395_5325	NW_004516017.1	Scaffold587	5325	AA	GG	1940459527
SNP_P1_197396_6201	NW_004516017.1	Scaffold587	6201	AA	TT	1940459528
SNP_P1_197397_6825	NW_004516017.1	Scaffold587	6825	CC	GG	1940459529
SNP_P1_197398_6839	NW_004516017.1	Scaffold587	6839	GG	AA	1940459530
SNP_P1_197399_7100	NW_004516017.1	Scaffold587	7100	GG	AA	1940459531
SNP_P1_197400_7586	NW_004516017.1	Scaffold587	7586	GG	TT	1940459532
SNP_P1_197401_7630	NW_004516017.1	Scaffold587	7630	AA	TT	1940459533
SNP_P1_197402_7983	NW_004516017.1	Scaffold587	7983	GG	AA	1940459534
SNP_P1_197403_8069	NW_004516017.1	Scaffold587	8069	TT	AA	1940459535
SNP_P1_197404_8111	NW_004516017.1	Scaffold587	8111	AA	TT	1940459536
SNP_P1_197405_8173	NW_004516017.1	Scaffold587	8173	CC	AA	1940459537
SNP_P1_197406_9032	NW_004516017.1	Scaffold587	9032	AA	TT	1940459538
SNP_P1_197407_9034	NW_004516017.1	Scaffold587	9034	AA	CC	1940459539
SNP_P1_197408_9077	NW_004516017.1	Scaffold587	9077	AA	GG	1940459540
SNP_P1_197409_9078	NW_004516017.1	Scaffold587	9078	GG	TT	1940459541
SNP_P1_197410_9099	NW_004516017.1	Scaffold587	9099	CC	TT	1940459542
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SNP_P1_197412_9103	NW_004516017.1	Scaffold587	9103	AA	TT	1940459544
SNP_P1_197413_9122	NW_004516017.1	Scaffold587	9122	AA	GG	1940459545
SNP_P1_197414_9126	NW_004516017.1	Scaffold587	9126	GG	AA	1940459546
SNP_P1_197415_9137	NW_004516017.1	Scaffold587	9137	GG	TT	1940459547
SNP_P1_197416_9267	NW_004516017.1	Scaffold587	9267	CC	AA	1940459548
SNP_P1_197417_9332	NW_004516017.1	Scaffold587	9332	AA	TT	1940459549
SNP_P1_197418_9336	NW_004516017.1	Scaffold587	9336	GG	TT	1940459550
SNP_P1_197419_9441	NW_004516017.1	Scaffold587	9441	AA	CC	1940459551
SNP_P1_197420_9749	NW_004516017.1	Scaffold587	9749	TT	AA	1940459552
SNP_P1_197421_10103	NW_004516017.1	Scaffold587	10103	GG	AA	1940459553
SNP_P1_197422_10106	NW_004516017.1	Scaffold587	10106	CC	AA	1940459554
SNP_P1_197423_10213	NW_004516017.1	Scaffold587	10213	AA	GG	1940459555
SNP_P1_197424_10266	NW_004516017.1	Scaffold587	10266	TT	CC	1940459556
SNP_P1_197425_10286	NW_004516017.1	Scaffold587	10286	GG	AA	1940459557
SNP_P1_197426_10330	NW_004516017.1	Scaffold587	10330	AA	CC	1940459558
SNP_P1_197427_10652	NW_004516017.1	Scaffold587	10652	AA	CC	1940459559
SNP_P1_197428_10665	NW_004516017.1	Scaffold587	10665	AA	GG	1940459560

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197430_10909	NW_004516017.1	Scaffold587	10909	TT	AA	1940459562
SNP_P1_197431_10998	NW_004516017.1	Scaffold587	10998	TT	CC	1940459563
SNP_P1_197432_11001	NW_004516017.1	Scaffold587	11001	GG	AA	1940459564
SNP_P1_197433_12926	NW_004516017.1	Scaffold587	12926	TT	AA	1940459565
SNP_P1_197434_13173	NW_004516017.1	Scaffold587	13173	GG	TT	1940459566
SNP_P1_197435_13487	NW_004516017.1	Scaffold587	13487	AA	GG	1940459567
SNP_P1_197436_13539	NW_004516017.1	Scaffold587	13539	TT	GG	1940459568
SNP_P1_197437_13589	NW_004516017.1	Scaffold587	13589	AA	CC	1940459569
SNP_P1_197438_13603	NW_004516017.1	Scaffold587	13603	TT	CC	1940459570
SNP_P1_197439_13949	NW_004516017.1	Scaffold587	13949	TT	AA	1940459571
SNP_P1_197440_14764	NW_004516017.1	Scaffold587	14764	TT	CC	1940459572
SNP_P1_197441_15050	NW_004516017.1	Scaffold587	15050	TT	AA	1940459573
SNP_P1_197442_15122	NW_004516017.1	Scaffold587	15122	AA	CC	1940459574
SNP_P1_197443_15223	NW_004516017.1	Scaffold587	15223	AA	CC	1940459575
SNP_P1_197444_15224	NW_004516017.1	Scaffold587	15224	AA	TT	1940459576
SNP_P1_197445_15359	NW_004516017.1	Scaffold587	15359	GG	AA	1940459577
SNP_P1_197446_15431	NW_004516017.1	Scaffold587	15431	AA	CC	1940459578
SNP_P1_197447_15514	NW_004516017.1	Scaffold587	15514	CC	GG	1940459579
SNP_P1_197448_15677	NW_004516017.1	Scaffold587	15677	GG	TT	1940459581
SNP_P1_197449_15797	NW_004516017.1	Scaffold587	15797	CC	TT	1940459582
SNP_P1_197450_15996	NW_004516017.1	Scaffold587	15996	GG	AA	1940459583
SNP_P1_197451_16027	NW_004516017.1	Scaffold587	16027	CC	GG	1940459584
SNP_P1_197452_16091	NW_004516017.1	Scaffold587	16091	GG	AA	1940459585
SNP_P1_197453_16096	NW_004516017.1	Scaffold587	16096	TT	CC	1940459586
SNP_P1_197454_16143	NW_004516017.1	Scaffold587	16143	TT	GG	1940459587
SNP_P1_197455_16218	NW_004516017.1	Scaffold587	16218	TT	CC	1940459588
SNP_P1_197456_16290	NW_004516017.1	Scaffold587	16290	CC	AA	1940459589
SNP_P1_197457_16362	NW_004516017.1	Scaffold587	16362	AA	CC	1940459590
SNP_P1_197458_16495	NW_004516017.1	Scaffold587	16495	CC	GG	1940459591
SNP_P1_197459_16525	NW_004516017.1	Scaffold587	16525	AA	CC	1940459592
SNP_P1_197460_16662	NW_004516017.1	Scaffold587	16662	TT	CC	1940459593
SNP_P1_197461_16754	NW_004516017.1	Scaffold587	16754	TT	AA	1940459594
SNP_P1_197462_16766	NW_004516017.1	Scaffold587	16766	TT	CC	1940459595
SNP_P1_197463_16792	NW_004516017.1	Scaffold587	16792	TT	CC	1940459596
SNP_P1_197464_17131	NW_004516017.1	Scaffold587	17131	TT	CC	1940459597
SNP_P1_197465_17150	NW_004516017.1	Scaffold587	17150	CC	TT	1940459598
SNP_P1_197467_17190	NW_004516017.1	Scaffold587	17190	TT	AA	1940459599
SNP_P1_197468_17249	NW_004516017.1	Scaffold587	17249	CC	TT	1940459600
SNP_P1_197469_17307	NW_004516017.1	Scaffold587	17307	GG	AA	1940459601
SNP_P1_197470_17334	NW_004516017.1	Scaffold587	17334	GG	TT	1940459602
SNP_P1_197471_17462	NW_004516017.1	Scaffold587	17462	CC	TT	1940459603

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197473_17537	NW_004516017.1	Scaffold587	17537	TT	GG	1940459605
SNP_P1_197474_17570	NW_004516017.1	Scaffold587	17570	AA	CC	1940459606
SNP_P1_197475_17591	NW_004516017.1	Scaffold587	17591	CC	TT	1940459607
SNP_P1_197476_17603	NW_004516017.1	Scaffold587	17603	CC	TT	1940459608
SNP_P1_197477_17625	NW_004516017.1	Scaffold587	17625	AA	GG	1940459609
SNP_P1_197478_17777	NW_004516017.1	Scaffold587	17777	CC	GG	1940459610
SNP_P1_197479_17965	NW_004516017.1	Scaffold587	17965	CC	GG	1940459611
SNP_P1_197480_18045	NW_004516017.1	Scaffold587	18045	GG	TT	1940459612
SNP_P1_197481_18046	NW_004516017.1	Scaffold587	18046	AA	GG	1940459613
SNP_P1_197483_18389	NW_004516017.1	Scaffold587	18389	TT	GG	1940459614
SNP_P1_197484_19253	NW_004516017.1	Scaffold587	19253	CC	TT	1940459615
SNP_P1_197485_19272	NW_004516017.1	Scaffold587	19272	TT	AA	1940459616
SNP_P1_197486_19343	NW_004516017.1	Scaffold587	19343	GG	TT	1940459617
SNP_P1_197487_19432	NW_004516017.1	Scaffold587	19432	CC	AA	1940459618
SNP_P1_197488_19638	NW_004516017.1	Scaffold587	19638	AA	CC	1940459619
SNP_P1_197489_19755	NW_004516017.1	Scaffold587	19755	CC	TT	1940459620
SNP_P1_197490_19757	NW_004516017.1	Scaffold587	19757	AA	GG	1940459621
SNP_P1_197491_19841	NW_004516017.1	Scaffold587	19841	AA	GG	1940459622
SNP_P1_197492_19854	NW_004516017.1	Scaffold587	19854	GG	AA	1940459623
SNP_P1_197493_19930	NW_004516017.1	Scaffold587	19930	TT	GG	1940459624
SNP_P1_197494_20800	NW_004516017.1	Scaffold587	20800	TT	AA	1940459625
SNP_P1_197495_20815	NW_004516017.1	Scaffold587	20815	GG	AA	1940459626
SNP_P1_197496_21153	NW_004516017.1	Scaffold587	21153	AA	GG	1940459627
SNP_P1_197497_22406	NW_004516017.1	Scaffold587	22406	TT	CC	1940459628
SNP_P1_197498_22408	NW_004516017.1	Scaffold587	22408	AA	GG	1940459629
SNP_P1_197499_22430	NW_004516017.1	Scaffold587	22430	GG	TT	1940459630
SNP_P1_197500_22442	NW_004516017.1	Scaffold587	22442	GG	AA	1940459631
SNP_P1_197501_22486	NW_004516017.1	Scaffold587	22486	CC	TT	1940459632
SNP_P1_197502_22508	NW_004516017.1	Scaffold587	22508	AA	TT	1940459633
SNP_P1_197503_22519	NW_004516017.1	Scaffold587	22519	GG	TT	1940459634
SNP_P1_197504_22611	NW_004516017.1	Scaffold587	22611	AA	GG	1940459635
SNP_P1_197505_22699	NW_004516017.1	Scaffold587	22699	TT	GG	1940459636
SNP_P1_197506_22718	NW_004516017.1	Scaffold587	22718	TT	GG	1940459637
SNP_P1_197507_22726	NW_004516017.1	Scaffold587	22726	AA	GG	1940459638
SNP_P1_197508_22820	NW_004516017.1	Scaffold587	22820	GG	AA	1940459639
SNP_P1_197509_22821	NW_004516017.1	Scaffold587	22821	GG	AA	1940459640
SNP_P1_197510_22837	NW_004516017.1	Scaffold587	22837	CC	TT	1940459641
SNP_P1_197511_22846	NW_004516017.1	Scaffold587	22846	AA	TT	1940459642
SNP_P1_197512_22934	NW_004516017.1	Scaffold587	22934	GG	AA	1940459643
SNP_P1_197514_23109	NW_004516017.1	Scaffold587	23109	AA	CC	1940459644
SNP_P1_197515_23127	NW_004516017.1	Scaffold587	23127	TT	GG	1940459645

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197517_23187	NW_004516017.1	Scaffold587	23187	AA	GG	1940459647
SNP_P1_197518_25659	NW_004516017.1	Scaffold587	25659	AA	GG	1940459648
SNP_P1_197519_25679	NW_004516017.1	Scaffold587	25679	GG	AA	1940459649
SNP_P1_197520_27767	NW_004516017.1	Scaffold587	27767	AA	GG	1940459650
SNP_P1_197521_27868	NW_004516017.1	Scaffold587	27868	GG	AA	1940459651
SNP_P1_197522_27876	NW_004516017.1	Scaffold587	27876	AA	TT	1940459652
SNP_P1_197523_27887	NW_004516017.1	Scaffold587	27887	CC	TT	1940459653
SNP_P1_197524_28052	NW_004516017.1	Scaffold587	28052	AA	CC	1940459654
SNP_P1_197526_28183	NW_004516017.1	Scaffold587	28183	CC	AA	1940459655
SNP_P1_197527_28213	NW_004516017.1	Scaffold587	28213	AA	TT	1940459656
SNP_P1_197528_28385	NW_004516017.1	Scaffold587	28385	AA	GG	1940459657
SNP_P1_197529_28611	NW_004516017.1	Scaffold587	28611	AA	GG	1940459658
SNP_P1_197530_28618	NW_004516017.1	Scaffold587	28618	GG	AA	1940459659
SNP_P1_197531_28938	NW_004516017.1	Scaffold587	28938	CC	AA	1940459660
SNP_P1_197532_29390	NW_004516017.1	Scaffold587	29390	AA	CC	1940459661
SNP_P1_197533_29394	NW_004516017.1	Scaffold587	29394	AA	TT	1940459662
SNP_P1_197534_29401	NW_004516017.1	Scaffold587	29401	GG	TT	1940459663
SNP_P1_197535_29404	NW_004516017.1	Scaffold587	29404	TT	AA	1940459664
SNP_P1_197536_29409	NW_004516017.1	Scaffold587	29409	TT	AA	1940459665
SNP_P1_197537_29465	NW_004516017.1	Scaffold587	29465	AA	GG	1940459666
SNP_P1_197538_29489	NW_004516017.1	Scaffold587	29489	AA	GG	1940459667
SNP_P1_197539_29823	NW_004516017.1	Scaffold587	29823	TT	CC	1940459668
SNP_P1_197540_29857	NW_004516017.1	Scaffold587	29857	AA	GG	1940459669
SNP_P1_197541_30689	NW_004516017.1	Scaffold587	30689	AA	TT	1940459670
SNP_P1_197542_30714	NW_004516017.1	Scaffold587	30714	CC	TT	1940459671
SNP_P1_197543_30850	NW_004516017.1	Scaffold587	30850	GG	AA	1940459672
SNP_P1_197544_30994	NW_004516017.1	Scaffold587	30994	CC	GG	1940459673
SNP_P1_197545_31024	NW_004516017.1	Scaffold587	31024	AA	GG	1940459674
SNP_P1_197546_31073	NW_004516017.1	Scaffold587	31073	CC	TT	1940459675
SNP_P1_197547_31128	NW_004516017.1	Scaffold587	31128	AA	TT	1940459676
SNP_P1_197548_31130	NW_004516017.1	Scaffold587	31130	AA	CC	1940459677
SNP_P1_197549_31149	NW_004516017.1	Scaffold587	31149	AA	GG	1940459678
SNP_P1_197550_31156	NW_004516017.1	Scaffold587	31156	CC	TT	1940459679
SNP_P1_197551_31637	NW_004516017.1	Scaffold587	31637	AA	TT	1940459680
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SNP_P1_197553_31828	NW_004516017.1	Scaffold587	31828	AA	TT	1940459682
SNP_P1_197554_31885	NW_004516017.1	Scaffold587	31885	CC	TT	1940459683
SNP_P1_197555_31894	NW_004516017.1	Scaffold587	31894	CC	GG	1940459684
SNP_P1_197556_31972	NW_004516017.1	Scaffold587	31972	TT	GG	1940459685
SNP_P1_197557_32018	NW_004516017.1	Scaffold587	32018	TT	CC	1940459686
SNP_P1_197558_32261	NW_004516017.1	Scaffold587	32261	AA	TT	1940459687

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197560_34244	NW_004516017.1	Scaffold587	34244	TT	CC	1940459689
SNP_P1_197561_34659	NW_004516017.1	Scaffold587	34659	CC	TT	1940459690
SNP_P1_197562_35064	NW_004516017.1	Scaffold587	35064	TT	CC	1940459691
SNP_P1_197563_35309	NW_004516017.1	Scaffold587	35309	CC	GG	1940459692
SNP_P1_197564_35401	NW_004516017.1	Scaffold587	35401	TT	GG	1940459693
SNP_P1_197565_35403	NW_004516017.1	Scaffold587	35403	TT	GG	1940459694
SNP_P1_197566_36276	NW_004516017.1	Scaffold587	36276	AA	TT	1940459695
SNP_P1_197567_36290	NW_004516017.1	Scaffold587	36290	CC	AA	1940459696
SNP_P1_197568_36342	NW_004516017.1	Scaffold587	36342	TT	AA	1940459697
SNP_P1_197569_36490	NW_004516017.1	Scaffold587	36490	TT	AA	1940459698
SNP_P1_197570_36549	NW_004516017.1	Scaffold587	36549	TT	CC	1940459699
SNP_P1_197571_36854	NW_004516017.1	Scaffold587	36854	GG	AA	1940459700
SNP_P1_197572_36904	NW_004516017.1	Scaffold587	36904	AA	GG	1940459702
SNP_P1_197573_37157	NW_004516017.1	Scaffold587	37157	GG	AA	1940459703
SNP_P1_197574_38491	NW_004516017.1	Scaffold587	38491	AA	GG	1940459704
SNP_P1_197575_38497	NW_004516017.1	Scaffold587	38497	TT	CC	1940459705
SNP_P1_197576_38683	NW_004516017.1	Scaffold587	38683	AA	GG	1940459706
SNP_P1_197577_38703	NW_004516017.1	Scaffold587	38703	TT	GG	1940459707
SNP_P1_197578_38744	NW_004516017.1	Scaffold587	38744	AA	GG	1940459708
SNP_P1_197579_38771	NW_004516017.1	Scaffold587	38771	TT	CC	1940459709
SNP_P1_197580_38894	NW_004516017.1	Scaffold587	38894	AA	GG	1940459710
SNP_P1_197581_38935	NW_004516017.1	Scaffold587	38935	AA	GG	1940459711
SNP_P1_197582_38987	NW_004516017.1	Scaffold587	38987	GG	AA	1940459712
SNP_P1_197583_38990	NW_004516017.1	Scaffold587	38990	GG	CC	1940459713
SNP_P1_197584_39028	NW_004516017.1	Scaffold587	39028	AA	GG	1940459714
SNP_P1_197585_39056	NW_004516017.1	Scaffold587	39056	GG	CC	1940459715
SNP_P1_197586_40532	NW_004516017.1	Scaffold587	40532	CC	GG	1940459716
SNP_P1_197587_40553	NW_004516017.1	Scaffold587	40553	AA	GG	1940459717
SNP_P1_197588_40712	NW_004516017.1	Scaffold587	40712	AA	CC	1940459718
SNP_P1_197589_40772	NW_004516017.1	Scaffold587	40772	GG	AA	1940459719
SNP_P1_197590_40813	NW_004516017.1	Scaffold587	40813	TT	CC	1940459720
SNP_P1_197591_40836	NW_004516017.1	Scaffold587	40836	AA	GG	1940459721
SNP_P1_197592_40976	NW_004516017.1	Scaffold587	40976	TT	CC	1940459722
SNP_P1_197593_40990	NW_004516017.1	Scaffold587	40990	GG	TT	1940459723
SNP_P1_197594_41073	NW_004516017.1	Scaffold587	41073	AA	GG	1940459724
SNP_P1_197595_41177	NW_004516017.1	Scaffold587	41177	AA	GG	1940459725
SNP_P1_197596_41214	NW_004516017.1	Scaffold587	41214	CC	TT	1940459726
SNP_P1_197597_41215	NW_004516017.1	Scaffold587	41215	GG	AA	1940459727
SNP_P1_197598_41898	NW_004516017.1	Scaffold587	41898	TT	AA	1940459728
SNP_P1_197599_43021	NW_004516017.1	Scaffold587	43021	CC	TT	1940459729
SNP_P1_197600_43307	NW_004516017.1	Scaffold587	43307	GG	TT	1940459730

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SNP_P1_197602_45303	NW_004516017.1	Scaffold587	45303	AA	GG	1940459732
SNP_P1_197603_45357	NW_004516017.1	Scaffold587	45357	TT	AA	1940459733
SNP_P1_197604_45359	NW_004516017.1	Scaffold587	45359	AA	GG	1940459734
SNP_P1_197605_45362	NW_004516017.1	Scaffold587	45362	GG	CC	1940459735
SNP_P1_197606_45406	NW_004516017.1	Scaffold587	45406	TT	AA	1940459736
SNP_P1_197607_45438	NW_004516017.1	Scaffold587	45438	CC	GG	1940459737
SNP_P1_197608_45657	NW_004516017.1	Scaffold587	45657	CC	TT	1940459738
SNP_P1_197609_45663	NW_004516017.1	Scaffold587	45663	GG	TT	1940459739
SNP_P1_197610_47166	NW_004516017.1	Scaffold587	47166	CC	TT	1940459740
SNP_P1_197611_47168	NW_004516017.1	Scaffold587	47168	CC	TT	1940459741
SNP_P1_197612_47277	NW_004516017.1	Scaffold587	47277	AA	GG	1940459742
SNP_P1_197613_47295	NW_004516017.1	Scaffold587	47295	CC	AA	1940459743
SNP_P1_197614_47306	NW_004516017.1	Scaffold587	47306	TT	CC	1940459744
SNP_P1_197615_47321	NW_004516017.1	Scaffold587	47321	TT	CC	1940459745
SNP_P1_197616_47325	NW_004516017.1	Scaffold587	47325	TT	GG	1940459746
SNP_P1_197617_47339	NW_004516017.1	Scaffold587	47339	AA	CC	1940459747
SNP_P1_197618_47340	NW_004516017.1	Scaffold587	47340	TT	CC	1940459748
SNP_P1_197619_47455	NW_004516017.1	Scaffold587	47455	CC	TT	1940459749
SNP_P1_197620_47462	NW_004516017.1	Scaffold587	47462	AA	GG	1940459750
SNP_P1_197621_47474	NW_004516017.1	Scaffold587	47474	GG	AA	1940459751
SNP_P1_197622_47499	NW_004516017.1	Scaffold587	47499	GG	TT	1940459752
SNP_P1_197623_47526	NW_004516017.1	Scaffold587	47526	AA	CC	1940459753
SNP_P1_197624_47528	NW_004516017.1	Scaffold587	47528	GG	AA	1940459754
SNP_P1_197625_47569	NW_004516017.1	Scaffold587	47569	AA	GG	1940459755
SNP_P1_197626_47666	NW_004516017.1	Scaffold587	47666	TT	AA	1940459756
SNP_P1_197627_48604	NW_004516017.1	Scaffold587	48604	GG	CC	1940459757
SNP_P1_197628_48693	NW_004516017.1	Scaffold587	48693	TT	CC	1940459758
SNP_P1_197629_48852	NW_004516017.1	Scaffold587	48852	AA	GG	1940459759
SNP_P1_197630_48865	NW_004516017.1	Scaffold587	48865	AA	TT	1940459760
SNP_P1_197631_48943	NW_004516017.1	Scaffold587	48943	GG	CC	1940459761
SNP_P1_197632_49049	NW_004516017.1	Scaffold587	49049	AA	GG	1940459762
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SNP_P1_197635_49564	NW_004516017.1	Scaffold587	49564	GG	AA	1940459765
SNP_P1_197636_49576	NW_004516017.1	Scaffold587	49576	TT	CC	1940459766
SNP_P1_197637_50467	NW_004516017.1	Scaffold587	50467	TT	GG	1940459767
SNP_P1_197638_50507	NW_004516017.1	Scaffold587	50507	TT	GG	1940459768
SNP_P1_197639_50512	NW_004516017.1	Scaffold587	50512	GG	AA	1940459769
SNP_P1_197640_50529	NW_004516017.1	Scaffold587	50529	AA	TT	1940459770
SNP_P1_197641_50530	NW_004516017.1	Scaffold587	50530	AA	TT	1940459771
SNP_P1_197642_50590	NW_004516017.1	Scaffold587	50590	GG	AA	1940459772

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SNP_P1_197644_50710	NW_004516017.1	Scaffold587	50710	AA	GG	1940459774
SNP_P1_197645_50760	NW_004516017.1	Scaffold587	50760	AA	GG	1940459775
SNP_P1_197646_50763	NW_004516017.1	Scaffold587	50763	GG	AA	1940459776
SNP_P1_197647_50771	NW_004516017.1	Scaffold587	50771	GG	AA	1940459777
SNP_P1_197649_50883	NW_004516017.1	Scaffold587	50883	AA	TT	1940459778
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SNP_P1_197651_50929	NW_004516017.1	Scaffold587	50929	TT	GG	1940459780
SNP_P1_197652_50966	NW_004516017.1	Scaffold587	50966	CC	TT	1940459781
SNP_P1_197653_50984	NW_004516017.1	Scaffold587	50984	AA	GG	1940459782
SNP_P1_197655_51095	NW_004516017.1	Scaffold587	51095	AA	GG	1940459783
SNP_P1_197656_51151	NW_004516017.1	Scaffold587	51151	AA	GG	1940459784
SNP_P1_197657_51181	NW_004516017.1	Scaffold587	51181	TT	CC	1940459785
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SNP_P1_197659_51258	NW_004516017.1	Scaffold587	51258	AA	GG	1940459787
SNP_P1_197660_52638	NW_004516017.1	Scaffold587	52638	GG	AA	1940459788
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SNP_P1_197664_52749	NW_004516017.1	Scaffold587	52749	CC	AA	1940459792
SNP_P1_197665_52826	NW_004516017.1	Scaffold587	52826	AA	GG	1940459793
SNP_P1_197666_52871	NW_004516017.1	Scaffold587	52871	CC	TT	1940459794
SNP_P1_197667_53010	NW_004516017.1	Scaffold587	53010	TT	CC	1940459795
SNP_P1_197669_53152	NW_004516017.1	Scaffold587	53152	CC	TT	1940459796
SNP_P1_197670_53466	NW_004516017.1	Scaffold587	53466	AA	CC	1940459797
SNP_P1_197671_53548	NW_004516017.1	Scaffold587	53548	AA	GG	1940459798
SNP_P1_197672_53581	NW_004516017.1	Scaffold587	53581	AA	GG	1940459799
SNP_P1_197673_53585	NW_004516017.1	Scaffold587	53585	CC	TT	1940459800
SNP_P1_197674_53587	NW_004516017.1	Scaffold587	53587	AA	GG	1940459801
SNP_P1_197675_53589	NW_004516017.1	Scaffold587	53589	AA	CC	1940459802
SNP_P1_197676_53624	NW_004516017.1	Scaffold587	53624	AA	CC	1940459803
SNP_P1_197677_53664	NW_004516017.1	Scaffold587	53664	CC	TT	1940459804
SNP_P1_197678_53669	NW_004516017.1	Scaffold587	53669	AA	GG	1940459805
SNP_P1_197679_53697	NW_004516017.1	Scaffold587	53697	CC	AA	1940459806
SNP_P1_197680_53705	NW_004516017.1	Scaffold587	53705	GG	AA	1940459807
SNP_P1_197681_53925	NW_004516017.1	Scaffold587	53925	AA	CC	1940459808
SNP_P1_197682_53968	NW_004516017.1	Scaffold587	53968	AA	GG	1940459809
SNP_P1_197683_54005	NW_004516017.1	Scaffold587	54005	TT	GG	1940459810
SNP_P1_197684_54330	NW_004516017.1	Scaffold587	54330	CC	TT	1940459811
SNP_P1_197685_54331	NW_004516017.1	Scaffold587	54331	TT	CC	1940459812
SNP_P1_197686_54359	NW_004516017.1	Scaffold587	54359	AA	GG	1940459813
SNP_P1_197687_54376	NW_004516017.1	Scaffold587	54376	TT	AA	1940459814

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_197688_54587	NW_004516017.1	Scaffold587	54587	GG	TT	1940459815
SNP_P1_197689_54594	NW_004516017.1	Scaffold587	54594	AA	GG	1940459816
SNP_P1_197690_54635	NW_004516017.1	Scaffold587	54635	TT	CC	1940459817
SNP_P1_197691_54685	NW_004516017.1	Scaffold587	54685	TT	CC	1940459818
SNP_P1_197693_54955	NW_004516017.1	Scaffold587	54955	AA	TT	1940459819
SNP_P1_197694_55015	NW_004516017.1	Scaffold587	55015	GG	AA	1940459820
SNP_P1_197695_55223	NW_004516017.1	Scaffold587	55223	GG	TT	1940459821
SNP_P1_197696_55260	NW_004516017.1	Scaffold587	55260	GG	AA	1940459822
SNP_P1_197697_55435	NW_004516017.1	Scaffold587	55435	GG	TT	1940459823
SNP_P1_197698_55525	NW_004516017.1	Scaffold587	55525	CC	GG	1940459824
SNP_P1_197700_55613	NW_004516017.1	Scaffold587	55613	AA	GG	1940459825
SNP_P1_197701_55645	NW_004516017.1	Scaffold587	55645	TT	GG	1940459826
SNP_P1_197702_55671	NW_004516017.1	Scaffold587	55671	CC	TT	1940459827
SNP_P1_197703_55747	NW_004516017.1	Scaffold587	55747	CC	TT	1940459828
SNP_P1_197704_55963	NW_004516017.1	Scaffold587	55963	AA	GG	1940459829
SNP_P1_197705_56042	NW_004516017.1	Scaffold587	56042	GG	AA	1940459830
SNP_P1_197707_61439	NW_004516017.1	Scaffold587	61439	AA	TT	1940459831
SNP_P1_197708_61750	NW_004516017.1	Scaffold587	61750	TT	GG	1940459832
SNP_P1_197709_70337	NW_004516017.1	Scaffold587	70337	GG	CC	1940459833
SNP_P1_197711_70658	NW_004516017.1	Scaffold587	70658	CC	GG	1940459834
SNP_P1_197712_70681	NW_004516017.1	Scaffold587	70681	CC	GG	1940459835
SNP_P1_197713_70978	NW_004516017.1	Scaffold587	70978	AA	GG	1940459836
SNP_P1_197714_71203	NW_004516017.1	Scaffold587	71203	TT	CC	1940459837
SNP_P1_197715_7749	NW_004516018.1	Scaffold588	7749	TT	AA	1940459838
SNP_P1_197716_7769	NW_004516018.1	Scaffold588	7769	AA	GG	1940459839
SNP_P1_197717_7778	NW_004516018.1	Scaffold588	7778	CC	GG	1940459840
SNP_P1_197718_8047	NW_004516018.1	Scaffold588	8047	GG	TT	1940459841
SNP_P1_197719_13809	NW_004516018.1	Scaffold588	13809	AA	TT	1940459842
SNP_P1_197720_13927	NW_004516018.1	Scaffold588	13927	CC	GG	1940459843
SNP_P1_197721_14004	NW_004516018.1	Scaffold588	14004	AA	GG	1940459844
SNP_P1_197722_14337	NW_004516018.1	Scaffold588	14337	AA	GG	1940459845
SNP_P1_197723_14381	NW_004516018.1	Scaffold588	14381	CC	GG	1940459846
SNP_P1_197724_14415	NW_004516018.1	Scaffold588	14415	CC	TT	1940459847
SNP_P1_197725_14436	NW_004516018.1	Scaffold588	14436	CC	GG	1940459848
SNP_P1_197726_14474	NW_004516018.1	Scaffold588	14474	TT	CC	1940459849
SNP_P1_197727_14482	NW_004516018.1	Scaffold588	14482	TT	GG	1940459850
SNP_P1_197728_14581	NW_004516018.1	Scaffold588	14581	GG	AA	1940459851
SNP_P1_197729_14983	NW_004516018.1	Scaffold588	14983	GG	AA	1940459852
SNP_P1_197730_16702	NW_004516019.1	Scaffold589	16702	GG	TT	1940459853
SNP_P1_197731_24383	NW_004516019.1	Scaffold589	24383	CC	AA	1940459854
SNP_P1_197732_24475	NW_004516019.1	Scaffold589	24475	AA	GG	1940459856
SNP_P1_197733_24487	NW_004516019.1	Scaffold589	24487	CC	GG	1940459857

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197736_33318	NW_004516019.1	Scaffold589	33318	AA	GG	1940459859
SNP_P1_197737_49112	NW_004516019.1	Scaffold589	49112	TT	CC	1940459860
SNP_P1_197738_49147	NW_004516019.1	Scaffold589	49147	CC	GG	1940459861
SNP_P1_197739_49165	NW_004516019.1	Scaffold589	49165	AA	GG	1940459862
SNP_P1_197740_49238	NW_004516019.1	Scaffold589	49238	GG	AA	1940459863
SNP_P1_197741_49302	NW_004516019.1	Scaffold589	49302	AA	TT	1940459864
SNP_P1_197742_49414	NW_004516019.1	Scaffold589	49414	AA	TT	1940459865
SNP_P1_197743_49439	NW_004516019.1	Scaffold589	49439	TT	CC	1940459866
SNP_P1_197745_49516	NW_004516019.1	Scaffold589	49516	AA	GG	1940459867
SNP_P1_197746_51327	NW_004516019.1	Scaffold589	51327	TT	AA	1940459868
SNP_P1_197747_57042	NW_004516019.1	Scaffold589	57042	CC	AA	1940459869
SNP_P1_197748_65197	NW_004516019.1	Scaffold589	65197	CC	TT	1940459870
SNP_P1_197749_65221	NW_004516019.1	Scaffold589	65221	AA	TT	1940459871
SNP_P1_197750_65440	NW_004516019.1	Scaffold589	65440	CC	TT	1940459872
SNP_P1_197751_65803	NW_004516019.1	Scaffold589	65803	TT	CC	1940459873
SNP_P1_197752_66637	NW_004516019.1	Scaffold589	66637	TT	CC	1940459874
SNP_P1_197753_80202	NW_004516019.1	Scaffold589	80202	TT	CC	1940459875
SNP_P1_197754_80222	NW_004516019.1	Scaffold589	80222	AA	GG	1940459876
SNP_P1_197755_80228	NW_004516019.1	Scaffold589	80228	AA	GG	1940459877
SNP_P1_197756_80251	NW_004516019.1	Scaffold589	80251	TT	CC	1940459878
SNP_P1_197757_80279	NW_004516019.1	Scaffold589	80279	AA	CC	1940459879
SNP_P1_197758_82063	NW_004516019.1	Scaffold589	82063	TT	CC	1940459880
SNP_P1_197759_82585	NW_004516019.1	Scaffold589	82585	GG	AA	1940459881
SNP_P1_197760_82671	NW_004516019.1	Scaffold589	82671	TT	CC	1940459882
SNP_P1_197761_82684	NW_004516019.1	Scaffold589	82684	TT	CC	1940459883
SNP_P1_197762_83283	NW_004516019.1	Scaffold589	83283	AA	GG	1940459884
SNP_P1_197763_83467	NW_004516019.1	Scaffold589	83467	GG	AA	1940459885
SNP_P1_197764_83474	NW_004516019.1	Scaffold589	83474	TT	CC	1940459886
SNP_P1_197765_83482	NW_004516019.1	Scaffold589	83482	TT	CC	1940459887
SNP_P1_197766_83488	NW_004516019.1	Scaffold589	83488	AA	GG	1940459888
SNP_P1_197767_83497	NW_004516019.1	Scaffold589	83497	AA	CC	1940459889
SNP_P1_197768_83500	NW_004516019.1	Scaffold589	83500	AA	GG	1940459890
SNP_P1_197769_83554	NW_004516019.1	Scaffold589	83554	TT	CC	1940459891
SNP_P1_197770_83599	NW_004516019.1	Scaffold589	83599	CC	TT	1940459892
SNP_P1_197771_83640	NW_004516019.1	Scaffold589	83640	AA	CC	1940459893
SNP_P1_197772_83656	NW_004516019.1	Scaffold589	83656	AA	TT	1940459894
SNP_P1_197773_83665	NW_004516019.1	Scaffold589	83665	TT	AA	1940459895
SNP_P1_197774_83698	NW_004516019.1	Scaffold589	83698	AA	GG	1940459896
SNP_P1_197775_83720	NW_004516019.1	Scaffold589	83720	AA	GG	1940459897
SNP_P1_197776_83727	NW_004516019.1	Scaffold589	83727	TT	CC	1940459898
SNP_P1_197777_83731	NW_004516019.1	Scaffold589	83731	TT	CC	1940459899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197779_88781	NW_004516019.1	Scaffold589	88781	TT	CC	1940459901
SNP_P1_197780_88864	NW_004516019.1	Scaffold589	88864	GG	AA	1940459902
SNP_P1_197781_88959	NW_004516019.1	Scaffold589	88959	CC	AA	1940459903
SNP_P1_197782_88976	NW_004516019.1	Scaffold589	88976	AA	GG	1940459904
SNP_P1_197783_89037	NW_004516019.1	Scaffold589	89037	CC	AA	1940459905
SNP_P1_197784_89056	NW_004516019.1	Scaffold589	89056	AA	GG	1940459906
SNP_P1_197785_92476	NW_004516019.1	Scaffold589	92476	GG	AA	1940459907
SNP_P1_197786_92773	NW_004516019.1	Scaffold589	92773	GG	CC	1940459908
SNP_P1_197788_100673	NW_004516019.1	Scaffold589	100673	TT	AA	1940459909
SNP_P1_197789_100827	NW_004516019.1	Scaffold589	100827	GG	TT	1940459910
SNP_P1_197790_100831	NW_004516019.1	Scaffold589	100831	CC	TT	1940459911
SNP_P1_197791_102257	NW_004516019.1	Scaffold589	102257	GG	TT	1940459912
SNP_P1_197792_104030	NW_004516019.1	Scaffold589	104030	AA	CC	1940459913
SNP_P1_197793_116649	NW_004516019.1	Scaffold589	116649	GG	CC	1940459914
SNP_P1_197794_127945	NW_004516019.1	Scaffold589	127945	TT	GG	1940459915
SNP_P1_197795_127950	NW_004516019.1	Scaffold589	127950	TT	CC	1940459916
SNP_P1_197796_127969	NW_004516019.1	Scaffold589	127969	GG	AA	1940459917
SNP_P1_197797_127981	NW_004516019.1	Scaffold589	127981	AA	TT	1940459918
SNP_P1_197798_128008	NW_004516019.1	Scaffold589	128008	GG	AA	1940459919
SNP_P1_197799_128139	NW_004516019.1	Scaffold589	128139	CC	AA	1940459920
SNP_P1_197800_138690	NW_004516019.1	Scaffold589	138690	CC	TT	1940459921
SNP_P1_197801_142875	NW_004516019.1	Scaffold589	142875	AA	GG	1940459922
SNP_P1_197803_147691	NW_004516019.1	Scaffold589	147691	TT	GG	1940459923
SNP_P1_197805_180626	NW_004516019.1	Scaffold589	180626	CC	TT	1940459924
SNP_P1_197807_188958	NW_004516019.1	Scaffold589	188958	TT	GG	1940459925
SNP_P1_197810_208939	NW_004516019.1	Scaffold589	208939	AA	CC	1940459926
SNP_P1_197811_208971	NW_004516019.1	Scaffold589	208971	TT	CC	1940459927
SNP_P1_197812_209355	NW_004516019.1	Scaffold589	209355	TT	GG	1940459928
SNP_P1_197813_210608	NW_004516019.1	Scaffold589	210608	AA	GG	1940459929
SNP_P1_197814_210615	NW_004516019.1	Scaffold589	210615	CC	TT	1940459930
SNP_P1_197815_226114	NW_004516019.1	Scaffold589	226114	CC	AA	1940459931
SNP_P1_197817_231445	NW_004516019.1	Scaffold589	231445	CC	TT	1940459932
SNP_P1_197818_238888	NW_004516019.1	Scaffold589	238888	CC	TT	1940459933
SNP_P1_197819_238907	NW_004516019.1	Scaffold589	238907	AA	GG	1940459934
SNP_P1_197820_241847	NW_004516019.1	Scaffold589	241847	CC	TT	1940459935
SNP_P1_197821_245152	NW_004516019.1	Scaffold589	245152	CC	TT	1940459936
SNP_P1_197822_245214	NW_004516019.1	Scaffold589	245214	CC	TT	1940459937
SNP_P1_197823_245223	NW_004516019.1	Scaffold589	245223	TT	AA	1940459938
SNP_P1_197824_245278	NW_004516019.1	Scaffold589	245278	CC	AA	1940459939
SNP_P1_197825_245382	NW_004516019.1	Scaffold589	245382	CC	TT	1940459940
SNP_P1_197826_245390	NW_004516019.1	Scaffold589	245390	AA	GG	1940459941

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SNP_P1_197828_245457	NW_004516019.1	Scaffold589	245457	TT	CC	1940459943
SNP_P1_197829_245494	NW_004516019.1	Scaffold589	245494	GG	AA	1940459944
SNP_P1_197830_245544	NW_004516019.1	Scaffold589	245544	AA	GG	1940459945
SNP_P1_197831_245587	NW_004516019.1	Scaffold589	245587	AA	GG	1940459946
SNP_P1_197832_245594	NW_004516019.1	Scaffold589	245594	AA	GG	1940459947
SNP_P1_197834_271967	NW_004516019.1	Scaffold589	271967	AA	GG	1940459948
SNP_P1_197836_276721	NW_004516019.1	Scaffold589	276721	AA	GG	1940459949
SNP_P1_197837_292470	NW_004516019.1	Scaffold589	292470	AA	GG	1940459950
SNP_P1_197838_292471	NW_004516019.1	Scaffold589	292471	TT	CC	1940459951
SNP_P1_197840_292758	NW_004516019.1	Scaffold589	292758	GG	TT	1940459952
SNP_P1_197841_292841	NW_004516019.1	Scaffold589	292841	GG	AA	1940459953
SNP_P1_197842_294031	NW_004516019.1	Scaffold589	294031	CC	TT	1940459954
SNP_P1_197843_301020	NW_004516019.1	Scaffold589	301020	TT	CC	1940459955
SNP_P1_197844_301071	NW_004516019.1	Scaffold589	301071	AA	CC	1940459956
SNP_P1_197845_301098	NW_004516019.1	Scaffold589	301098	TT	AA	1940459957
SNP_P1_197846_301179	NW_004516019.1	Scaffold589	301179	TT	CC	1940459958
SNP_P1_197847_304889	NW_004516019.1	Scaffold589	304889	TT	GG	1940459959
SNP_P1_197848_304901	NW_004516019.1	Scaffold589	304901	TT	CC	1940459960
SNP_P1_197849_306209	NW_004516019.1	Scaffold589	306209	CC	GG	1940459961
SNP_P1_197850_306549	NW_004516019.1	Scaffold589	306549	CC	TT	1940459962
SNP_P1_197851_309088	NW_004516019.1	Scaffold589	309088	TT	AA	1940459963
SNP_P1_197853_309322	NW_004516019.1	Scaffold589	309322	GG	CC	1940459964
SNP_P1_197854_321753	NW_004516019.1	Scaffold589	321753	GG	AA	1940459965
SNP_P1_197855_322923	NW_004516019.1	Scaffold589	322923	CC	GG	1940459966
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SNP_P1_197859_323527	NW_004516019.1	Scaffold589	323527	TT	AA	1940459970
SNP_P1_197860_323537	NW_004516019.1	Scaffold589	323537	CC	GG	1940459971
SNP_P1_197861_323550	NW_004516019.1	Scaffold589	323550	GG	AA	1940459972
SNP_P1_197862_323563	NW_004516019.1	Scaffold589	323563	GG	TT	1940459973
SNP_P1_197864_332547	NW_004516019.1	Scaffold589	332547	AA	GG	1940459974
SNP_P1_197865_332554	NW_004516019.1	Scaffold589	332554	AA	GG	1940459975
SNP_P1_197866_171	NW_004516020.1	Scaffold590	171	GG	AA	1940459976
SNP_P1_197867_362	NW_004516020.1	Scaffold590	362	CC	TT	1940459977
SNP_P1_197870_3244	NW_004516020.1	Scaffold590	3244	CC	AA	1940459978
SNP_P1_197871_3259	NW_004516020.1	Scaffold590	3259	CC	TT	1940459979
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SNP_P1_197873_3643	NW_004516020.1	Scaffold590	3643	TT	CC	1940459981
SNP_P1_197874_3646	NW_004516020.1	Scaffold590	3646	TT	AA	1940459982
SNP_P1_197875_3723	NW_004516020.1	Scaffold590	3723	GG	AA	1940459983

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_197877_3771	NW_004516020.1	Scaffold590	3771	GG	AA	1940459985
SNP_P1_197878_3784	NW_004516020.1	Scaffold590	3784	GG	TT	1940459986
SNP_P1_197879_3786	NW_004516020.1	Scaffold590	3786	CC	AA	1940459987
SNP_P1_197880_3988	NW_004516020.1	Scaffold590	3988	CC	TT	1940459988
SNP_P1_197881_5321	NW_004516020.1	Scaffold590	5321	TT	CC	1940459989
SNP_P1_197882_6451	NW_004516020.1	Scaffold590	6451	AA	GG	1940459990
SNP_P1_197885_10903	NW_004516020.1	Scaffold590	10903	TT	AA	1940459991
SNP_P1_197886_10922	NW_004516020.1	Scaffold590	10922	AA	CC	1940459992
SNP_P1_197887_11196	NW_004516020.1	Scaffold590	11196	AA	CC	1940459993
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SNP_P1_197889_16816	NW_004516020.1	Scaffold590	16816	AA	CC	1940459995
SNP_P1_197890_16887	NW_004516020.1	Scaffold590	16887	CC	AA	1940459996
SNP_P1_197892_19016	NW_004516020.1	Scaffold590	19016	TT	CC	1940459997
SNP_P1_197893_19173	NW_004516020.1	Scaffold590	19173	TT	CC	1940459998
SNP_P1_197896_19347	NW_004516020.1	Scaffold590	19347	TT	GG	1940459999
SNP_P1_197897_19399	NW_004516020.1	Scaffold590	19399	GG	AA	1940460000
SNP_P1_197898_19440	NW_004516020.1	Scaffold590	19440	TT	CC	1940460001
SNP_P1_197899_19443	NW_004516020.1	Scaffold590	19443	AA	CC	1940460002
SNP_P1_197901_19480	NW_004516020.1	Scaffold590	19480	AA	TT	1940460003
SNP_P1_197902_19552	NW_004516020.1	Scaffold590	19552	AA	GG	1940460004
SNP_P1_197903_19572	NW_004516020.1	Scaffold590	19572	GG	CC	1940460005
SNP_P1_197904_19619	NW_004516020.1	Scaffold590	19619	AA	CC	1940460006
SNP_P1_197905_44713	NW_004516020.1	Scaffold590	44713	GG	AA	1940460007
SNP_P1_197906_47021	NW_004516020.1	Scaffold590	47021	TT	CC	1940460008
SNP_P1_197907_61354	NW_004516020.1	Scaffold590	61354	AA	GG	1940460009
SNP_P1_197908_61402	NW_004516020.1	Scaffold590	61402	AA	CC	1940460010
SNP_P1_197909_63846	NW_004516020.1	Scaffold590	63846	GG	CC	1940460011
SNP_P1_197910_66672	NW_004516020.1	Scaffold590	66672	TT	CC	1940460012
SNP_P1_197912_103211	NW_004516020.1	Scaffold590	103211	CC	TT	1940460013
SNP_P1_197913_106353	NW_004516020.1	Scaffold590	106353	GG	AA	1940460014
SNP_P1_197914_107484	NW_004516020.1	Scaffold590	107484	GG	AA	1940460015
SNP_P1_197915_107514	NW_004516020.1	Scaffold590	107514	CC	TT	1940460016
SNP_P1_197916_114880	NW_004516020.1	Scaffold590	114880	AA	GG	1940460017
SNP_P1_197917_114957	NW_004516020.1	Scaffold590	114957	AA	CC	1940460018
SNP_P1_197918_115864	NW_004516020.1	Scaffold590	115864	GG	TT	1940460019
SNP_P1_197919_115898	NW_004516020.1	Scaffold590	115898	AA	GG	1940460020
SNP_P1_197920_115913	NW_004516020.1	Scaffold590	115913	TT	CC	1940460021
SNP_P1_197921_115960	NW_004516020.1	Scaffold590	115960	TT	CC	1940460022
SNP_P1_197922_115961	NW_004516020.1	Scaffold590	115961	GG	AA	1940460023
SNP_P1_197923_115975	NW_004516020.1	Scaffold590	115975	TT	GG	1940460024
SNP_P1_197924_116247	NW_004516020.1	Scaffold590	116247	TT	CC	1940460025

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_197925_121896	NW_004516020.1	Scaffold590	121896	TT	GG	1940460026
SNP_P1_197926_122080	NW_004516020.1	Scaffold590	122080	GG	AA	1940460028
SNP_P1_197927_134557	NW_004516020.1	Scaffold590	134557	TT	CC	1940460029
SNP_P1_197928_134933	NW_004516020.1	Scaffold590	134933	AA	GG	1940460030
SNP_P1_197929_134944	NW_004516020.1	Scaffold590	134944	TT	CC	1940460031
SNP_P1_197930_134977	NW_004516020.1	Scaffold590	134977	AA	GG	1940460032
SNP_P1_197931_135011	NW_004516020.1	Scaffold590	135011	CC	TT	1940460033
SNP_P1_197933_146201	NW_004516020.1	Scaffold590	146201	AA	GG	1940460034
SNP_P1_197934_146205	NW_004516020.1	Scaffold590	146205	GG	AA	1940460035
SNP_P1_197935_146207	NW_004516020.1	Scaffold590	146207	GG	AA	1940460036
SNP_P1_197936_146208	NW_004516020.1	Scaffold590	146208	TT	CC	1940460037
SNP_P1_197937_146211	NW_004516020.1	Scaffold590	146211	CC	TT	1940460038
SNP_P1_197938_175334	NW_004516020.1	Scaffold590	175334	GG	AA	1940460039
SNP_P1_197939_175616	NW_004516020.1	Scaffold590	175616	TT	GG	1940460040
SNP_P1_197940_175624	NW_004516020.1	Scaffold590	175624	TT	AA	1940460041
SNP_P1_197941_175627	NW_004516020.1	Scaffold590	175627	GG	AA	1940460042
SNP_P1_197942_175630	NW_004516020.1	Scaffold590	175630	TT	AA	1940460043
SNP_P1_197943_175643	NW_004516020.1	Scaffold590	175643	AA	CC	1940460044
SNP_P1_197944_175655	NW_004516020.1	Scaffold590	175655	AA	GG	1940460045
SNP_P1_197945_175668	NW_004516020.1	Scaffold590	175668	AA	CC	1940460046
SNP_P1_197946_175675	NW_004516020.1	Scaffold590	175675	AA	GG	1940460047
SNP_P1_197947_175680	NW_004516020.1	Scaffold590	175680	TT	AA	1940460048
SNP_P1_197948_175763	NW_004516020.1	Scaffold590	175763	TT	CC	1940460049
SNP_P1_197949_175791	NW_004516020.1	Scaffold590	175791	AA	CC	1940460050
SNP_P1_197950_177716	NW_004516020.1	Scaffold590	177716	AA	GG	1940460051
SNP_P1_197951_203324	NW_004516020.1	Scaffold590	203324	AA	TT	1940460052
SNP_P1_197952_220659	NW_004516020.1	Scaffold590	220659	TT	CC	1940460053
SNP_P1_197953_220689	NW_004516020.1	Scaffold590	220689	AA	GG	1940460054
SNP_P1_197954_220723	NW_004516020.1	Scaffold590	220723	CC	TT	1940460055
SNP_P1_197955_220754	NW_004516020.1	Scaffold590	220754	TT	CC	1940460056
SNP_P1_197956_220760	NW_004516020.1	Scaffold590	220760	TT	CC	1940460057
SNP_P1_197957_220809	NW_004516020.1	Scaffold590	220809	AA	GG	1940460058
SNP_P1_197958_220837	NW_004516020.1	Scaffold590	220837	CC	AA	1940460059
SNP_P1_197959_221001	NW_004516020.1	Scaffold590	221001	CC	TT	1940460060
SNP_P1_197960_221007	NW_004516020.1	Scaffold590	221007	AA	GG	1940460061
SNP_P1_197961_221011	NW_004516020.1	Scaffold590	221011	TT	CC	1940460062
SNP_P1_197962_222058	NW_004516020.1	Scaffold590	222058	TT	CC	1940460063
SNP_P1_197963_222064	NW_004516020.1	Scaffold590	222064	GG	AA	1940460064
SNP_P1_197964_222220	NW_004516020.1	Scaffold590	222220	TT	CC	1940460065
SNP_P1_197965_222265	NW_004516020.1	Scaffold590	222265	CC	TT	1940460066
SNP_P1_197966_222418	NW_004516020.1	Scaffold590	222418	CC	TT	1940460067
SNP_P1_197967_222421	NW_004516020.1	Scaffold590	222421	TT	CC	1940460068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_197968_222439	NW_004516020.1	Scaffold590	222439	AA	TT	1940460069
SNP_P1_197969_222451	NW_004516020.1	Scaffold590	222451	AA	TT	1940460070
SNP_P1_197970_222457	NW_004516020.1	Scaffold590	222457	AA	GG	1940460071
SNP_P1_197971_222474	NW_004516020.1	Scaffold590	222474	CC	TT	1940460072
SNP_P1_197972_222481	NW_004516020.1	Scaffold590	222481	GG	AA	1940460073
SNP_P1_197973_222496	NW_004516020.1	Scaffold590	222496	AA	GG	1940460074
SNP_P1_197974_222514	NW_004516020.1	Scaffold590	222514	CC	TT	1940460075
SNP_P1_197975_222516	NW_004516020.1	Scaffold590	222516	AA	TT	1940460076
SNP_P1_197976_222526	NW_004516020.1	Scaffold590	222526	AA	TT	1940460077
SNP_P1_197977_222532	NW_004516020.1	Scaffold590	222532	TT	AA	1940460078
SNP_P1_197978_222567	NW_004516020.1	Scaffold590	222567	AA	TT	1940460079
SNP_P1_197979_222681	NW_004516020.1	Scaffold590	222681	TT	GG	1940460080
SNP_P1_197980_222685	NW_004516020.1	Scaffold590	222685	TT	CC	1940460081
SNP_P1_197981_226343	NW_004516020.1	Scaffold590	226343	AA	GG	1940460082
SNP_P1_197982_231455	NW_004516020.1	Scaffold590	231455	GG	AA	1940460083
SNP_P1_197983_235117	NW_004516020.1	Scaffold590	235117	CC	TT	1940460084
SNP_P1_197984_235197	NW_004516020.1	Scaffold590	235197	AA	GG	1940460085
SNP_P1_197985_235241	NW_004516020.1	Scaffold590	235241	AA	GG	1940460086
SNP_P1_197986_235411	NW_004516020.1	Scaffold590	235411	CC	TT	1940460087
SNP_P1_197987_235489	NW_004516020.1	Scaffold590	235489	GG	AA	1940460088
SNP_P1_197988_235575	NW_004516020.1	Scaffold590	235575	GG	AA	1940460089
SNP_P1_197989_241021	NW_004516020.1	Scaffold590	241021	GG	TT	1940460090
SNP_P1_197990_247862	NW_004516020.1	Scaffold590	247862	CC	TT	1940460091
SNP_P1_197991_253539	NW_004516020.1	Scaffold590	253539	TT	AA	1940460092
SNP_P1_197992_264649	NW_004516020.1	Scaffold590	264649	TT	CC	1940460093
SNP_P1_197993_266454	NW_004516020.1	Scaffold590	266454	GG	CC	1940460094
SNP_P1_197994_266484	NW_004516020.1	Scaffold590	266484	CC	TT	1940460095
SNP_P1_197995_266512	NW_004516020.1	Scaffold590	266512	AA	TT	1940460096
SNP_P1_197996_266748	NW_004516020.1	Scaffold590	266748	TT	CC	1940460097
SNP_P1_197998_295295	NW_004516020.1	Scaffold590	295295	GG	TT	1940460098
SNP_P1_197999_8148	NW_004516022.1	Scaffold592	8148	TT	CC	1940460099
SNP_P1_198000_8174	NW_004516022.1	Scaffold592	8174	AA	GG	1940460100
SNP_P1_198001_8245	NW_004516022.1	Scaffold592	8245	CC	GG	1940460101
SNP_P1_198002_8375	NW_004516022.1	Scaffold592	8375	TT	CC	1940460102
SNP_P1_198003_8425	NW_004516022.1	Scaffold592	8425	GG	AA	1940460103
SNP_P1_198004_8548	NW_004516022.1	Scaffold592	8548	CC	GG	1940460104
SNP_P1_198005_8575	NW_004516022.1	Scaffold592	8575	TT	CC	1940460105
SNP_P1_198006_8578	NW_004516022.1	Scaffold592	8578	TT	CC	1940460106
SNP_P1_198007_8707	NW_004516022.1	Scaffold592	8707	AA	TT	1940460107
SNP_P1_198008_8816	NW_004516022.1	Scaffold592	8816	CC	TT	1940460108
SNP_P1_198009_8891	NW_004516022.1	Scaffold592	8891	CC	TT	1940460109
SNP_P1_198010_8950	NW_004516022.1	Scaffold592	8950	TT	AA	1940460110

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198012_10312	NW_004516022.1	Scaffold592	10312	AA	TT	1940460112
SNP_P1_198013_10383	NW_004516022.1	Scaffold592	10383	AA	CC	1940460113
SNP_P1_198014_10384	NW_004516022.1	Scaffold592	10384	CC	AA	1940460114
SNP_P1_198015_10683	NW_004516022.1	Scaffold592	10683	TT	GG	1940460115
SNP_P1_198016_10883	NW_004516022.1	Scaffold592	10883	TT	GG	1940460116
SNP_P1_198017_11014	NW_004516022.1	Scaffold592	11014	TT	AA	1940460117
SNP_P1_198018_14831	NW_004516022.1	Scaffold592	14831	TT	CC	1940460118
SNP_P1_198019_16012	NW_004516022.1	Scaffold592	16012	CC	GG	1940460119
SNP_P1_198022_16940	NW_004516022.1	Scaffold592	16940	CC	TT	1940460120
SNP_P1_198023_16964	NW_004516022.1	Scaffold592	16964	GG	TT	1940460121
SNP_P1_198024_17011	NW_004516022.1	Scaffold592	17011	AA	GG	1940460122
SNP_P1_198025_17939	NW_004516022.1	Scaffold592	17939	TT	CC	1940460123
SNP_P1_198026_18212	NW_004516022.1	Scaffold592	18212	GG	AA	1940460124
SNP_P1_198028_20295	NW_004516022.1	Scaffold592	20295	CC	AA	1940460125
SNP_P1_198029_20768	NW_004516022.1	Scaffold592	20768	GG	AA	1940460126
SNP_P1_198030_20780	NW_004516022.1	Scaffold592	20780	AA	TT	1940460127
SNP_P1_198031_20790	NW_004516022.1	Scaffold592	20790	TT	CC	1940460128
SNP_P1_198032_20795	NW_004516022.1	Scaffold592	20795	TT	AA	1940460129
SNP_P1_198033_20796	NW_004516022.1	Scaffold592	20796	GG	CC	1940460130
SNP_P1_198035_21456	NW_004516022.1	Scaffold592	21456	TT	AA	1940460131
SNP_P1_198036_21590	NW_004516022.1	Scaffold592	21590	TT	CC	1940460132
SNP_P1_198037_21636	NW_004516022.1	Scaffold592	21636	GG	CC	1940460133
SNP_P1_198038_21698	NW_004516022.1	Scaffold592	21698	GG	AA	1940460134
SNP_P1_198039_21705	NW_004516022.1	Scaffold592	21705	TT	GG	1940460135
SNP_P1_198040_22788	NW_004516022.1	Scaffold592	22788	TT	AA	1940460136
SNP_P1_198041_22976	NW_004516022.1	Scaffold592	22976	AA	TT	1940460137
SNP_P1_198042_22994	NW_004516022.1	Scaffold592	22994	AA	GG	1940460138
SNP_P1_198043_23086	NW_004516022.1	Scaffold592	23086	CC	TT	1940460139
SNP_P1_198044_23091	NW_004516022.1	Scaffold592	23091	GG	TT	1940460140
SNP_P1_198045_38443	NW_004516022.1	Scaffold592	38443	AA	GG	1940460141
SNP_P1_198046_42427	NW_004516022.1	Scaffold592	42427	CC	TT	1940460142
SNP_P1_198047_42432	NW_004516022.1	Scaffold592	42432	TT	CC	1940460143
SNP_P1_198048_42459	NW_004516022.1	Scaffold592	42459	CC	GG	1940460144
SNP_P1_198049_1965	NW_004516023.1	Scaffold593	1965	TT	AA	1940460145
SNP_P1_198051_10609	NW_004516023.1	Scaffold593	10609	CC	TT	1940460146
SNP_P1_198052_10638	NW_004516023.1	Scaffold593	10638	CC	TT	1940460147
SNP_P1_198053_10641	NW_004516023.1	Scaffold593	10641	GG	AA	1940460148
SNP_P1_198054_11029	NW_004516023.1	Scaffold593	11029	AA	GG	1940460149
SNP_P1_198055_11959	NW_004516023.1	Scaffold593	11959	CC	TT	1940460150
SNP_P1_198057_20041	NW_004516023.1	Scaffold593	20041	GG	AA	1940460151
SNP_P1_198058_20529	NW_004516023.1	Scaffold593	20529	TT	GG	1940460152

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198060_28724	NW_004516023.1	Scaffold593	28724	GG	AA	1940460154
SNP_P1_198061_31677	NW_004516023.1	Scaffold593	31677	GG	AA	1940460155
SNP_P1_198062_33231	NW_004516023.1	Scaffold593	33231	TT	GG	1940460156
SNP_P1_198063_45027	NW_004516023.1	Scaffold593	45027	AA	TT	1940460157
SNP_P1_198064_49932	NW_004516023.1	Scaffold593	49932	CC	AA	1940460158
SNP_P1_198065_51983	NW_004516023.1	Scaffold593	51983	AA	TT	1940460159
SNP_P1_198066_52004	NW_004516023.1	Scaffold593	52004	TT	CC	1940460160
SNP_P1_198067_60203	NW_004516023.1	Scaffold593	60203	GG	AA	1940460161
SNP_P1_198070_106346	NW_004516023.1	Scaffold593	106346	TT	CC	1940460162
SNP_P1_198071_134749	NW_004516023.1	Scaffold593	134749	AA	GG	1940460163
SNP_P1_198072_174697	NW_004516023.1	Scaffold593	174697	TT	CC	1940460164
SNP_P1_198075_182163	NW_004516023.1	Scaffold593	182163	TT	CC	1940460165
SNP_P1_198076_186079	NW_004516023.1	Scaffold593	186079	TT	CC	1940460166
SNP_P1_198077_186085	NW_004516023.1	Scaffold593	186085	GG	AA	1940460167
SNP_P1_198078_186391	NW_004516023.1	Scaffold593	186391	GG	AA	1940460168
SNP_P1_198079_186421	NW_004516023.1	Scaffold593	186421	GG	AA	1940460169
SNP_P1_198080_186435	NW_004516023.1	Scaffold593	186435	CC	AA	1940460170
SNP_P1_198081_186448	NW_004516023.1	Scaffold593	186448	CC	TT	1940460171
SNP_P1_198082_187944	NW_004516023.1	Scaffold593	187944	TT	CC	1940460172
SNP_P1_198084_192585	NW_004516023.1	Scaffold593	192585	AA	GG	1940460173
SNP_P1_198085_194935	NW_004516023.1	Scaffold593	194935	AA	GG	1940460174
SNP_P1_198086_194946	NW_004516023.1	Scaffold593	194946	CC	TT	1940460175
SNP_P1_198087_195246	NW_004516023.1	Scaffold593	195246	GG	AA	1940460176
SNP_P1_198088_195257	NW_004516023.1	Scaffold593	195257	GG	AA	1940460177
SNP_P1_198089_195258	NW_004516023.1	Scaffold593	195258	CC	TT	1940460178
SNP_P1_198090_195274	NW_004516023.1	Scaffold593	195274	AA	GG	1940460179
SNP_P1_198091_195316	NW_004516023.1	Scaffold593	195316	AA	TT	1940460180
SNP_P1_198092_195321	NW_004516023.1	Scaffold593	195321	TT	CC	1940460181
SNP_P1_198093_195331	NW_004516023.1	Scaffold593	195331	GG	AA	1940460182
SNP_P1_198094_195349	NW_004516023.1	Scaffold593	195349	GG	AA	1940460183
SNP_P1_198095_208876	NW_004516023.1	Scaffold593	208876	TT	GG	1940460184
SNP_P1_198096_208927	NW_004516023.1	Scaffold593	208927	TT	CC	1940460185
SNP_P1_198097_208960	NW_004516023.1	Scaffold593	208960	CC	TT	1940460186
SNP_P1_198098_208980	NW_004516023.1	Scaffold593	208980	GG	CC	1940460187
SNP_P1_198099_209018	NW_004516023.1	Scaffold593	209018	AA	TT	1940460188
SNP_P1_198100_209024	NW_004516023.1	Scaffold593	209024	TT	CC	1940460189
SNP_P1_198101_209043	NW_004516023.1	Scaffold593	209043	TT	CC	1940460190
SNP_P1_198102_209056	NW_004516023.1	Scaffold593	209056	CC	AA	1940460192
SNP_P1_198103_209065	NW_004516023.1	Scaffold593	209065	CC	AA	1940460193
SNP_P1_198104_209071	NW_004516023.1	Scaffold593	209071	CC	AA	1940460194
SNP_P1_198105_209093	NW_004516023.1	Scaffold593	209093	GG	AA	1940460195

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198107_209100	NW_004516023.1	Scaffold593	209100	TT	CC	1940460197
SNP_P1_198108_209102	NW_004516023.1	Scaffold593	209102	GG	AA	1940460198
SNP_P1_198109_209121	NW_004516023.1	Scaffold593	209121	CC	AA	1940460199
SNP_P1_198110_209211	NW_004516023.1	Scaffold593	209211	CC	TT	1940460200
SNP_P1_198111_209220	NW_004516023.1	Scaffold593	209220	CC	TT	1940460201
SNP_P1_198113_209312	NW_004516023.1	Scaffold593	209312	AA	TT	1940460202
SNP_P1_198114_209326	NW_004516023.1	Scaffold593	209326	AA	TT	1940460203
SNP_P1_198115_209366	NW_004516023.1	Scaffold593	209366	GG	AA	1940460204
SNP_P1_198116_209368	NW_004516023.1	Scaffold593	209368	AA	GG	1940460205
SNP_P1_198117_209463	NW_004516023.1	Scaffold593	209463	GG	AA	1940460206
SNP_P1_198119_209483	NW_004516023.1	Scaffold593	209483	CC	TT	1940460207
SNP_P1_198120_209509	NW_004516023.1	Scaffold593	209509	CC	AA	1940460208
SNP_P1_198121_209513	NW_004516023.1	Scaffold593	209513	TT	GG	1940460209
SNP_P1_198122_209551	NW_004516023.1	Scaffold593	209551	AA	TT	1940460210
SNP_P1_198123_209608	NW_004516023.1	Scaffold593	209608	GG	AA	1940460211
SNP_P1_198124_209633	NW_004516023.1	Scaffold593	209633	CC	AA	1940460212
SNP_P1_198125_209661	NW_004516023.1	Scaffold593	209661	TT	CC	1940460213
SNP_P1_198126_209684	NW_004516023.1	Scaffold593	209684	CC	TT	1940460214
SNP_P1_198128_209718	NW_004516023.1	Scaffold593	209718	TT	CC	1940460215
SNP_P1_198129_209735	NW_004516023.1	Scaffold593	209735	AA	CC	1940460216
SNP_P1_198130_209927	NW_004516023.1	Scaffold593	209927	GG	AA	1940460217
SNP_P1_198131_209934	NW_004516023.1	Scaffold593	209934	AA	TT	1940460218
SNP_P1_198132_209936	NW_004516023.1	Scaffold593	209936	GG	AA	1940460219
SNP_P1_198133_209974	NW_004516023.1	Scaffold593	209974	GG	AA	1940460220
SNP_P1_198134_209989	NW_004516023.1	Scaffold593	209989	TT	CC	1940460221
SNP_P1_198136_210112	NW_004516023.1	Scaffold593	210112	AA	GG	1940460222
SNP_P1_198137_210127	NW_004516023.1	Scaffold593	210127	CC	TT	1940460223
SNP_P1_198138_210149	NW_004516023.1	Scaffold593	210149	AA	GG	1940460224
SNP_P1_198139_210156	NW_004516023.1	Scaffold593	210156	CC	TT	1940460225
SNP_P1_198140_210192	NW_004516023.1	Scaffold593	210192	TT	AA	1940460226
SNP_P1_198141_210203	NW_004516023.1	Scaffold593	210203	CC	AA	1940460227
SNP_P1_198142_210217	NW_004516023.1	Scaffold593	210217	CC	AA	1940460228
SNP_P1_198143_210235	NW_004516023.1	Scaffold593	210235	AA	GG	1940460229
SNP_P1_198144_210290	NW_004516023.1	Scaffold593	210290	GG	CC	1940460230
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SNP_P1_198146_210347	NW_004516023.1	Scaffold593	210347	AA	GG	1940460232
SNP_P1_198147_210642	NW_004516023.1	Scaffold593	210642	AA	CC	1940460233
SNP_P1_198148_210824	NW_004516023.1	Scaffold593	210824	GG	AA	1940460234
SNP_P1_198149_211606	NW_004516023.1	Scaffold593	211606	TT	AA	1940460235
SNP_P1_198150_211609	NW_004516023.1	Scaffold593	211609	CC	TT	1940460236
SNP_P1_198152_211859	NW_004516023.1	Scaffold593	211859	CC	TT	1940460237

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198154_3812	NW_004516024.1	Scaffold594	3812	AA	GG	1940460239
SNP_P1_198155_23607	NW_004516025.1	Scaffold595	23607	AA	TT	1940460240
SNP_P1_198156_64	NW_004516027.1	Scaffold597	64	AA	GG	1940460241
SNP_P1_198157_898	NW_004516027.1	Scaffold597	898	GG	CC	1940460242
SNP_P1_198158_3899	NW_004516028.1	Scaffold598	3899	CC	AA	1940460243
SNP_P1_198159_6921	NW_004516028.1	Scaffold598	6921	TT	AA	1940460244
SNP_P1_198161_7384	NW_004516028.1	Scaffold598	7384	GG	TT	1940460245
SNP_P1_198162_7872	NW_004516028.1	Scaffold598	7872	GG	AA	1940460246
SNP_P1_198163_17299	NW_004516028.1	Scaffold598	17299	AA	GG	1940460247
SNP_P1_198164_19017	NW_004516028.1	Scaffold598	19017	GG	AA	1940460248
SNP_P1_198165_19926	NW_004516028.1	Scaffold598	19926	TT	CC	1940460249
SNP_P1_198166_21761	NW_004516028.1	Scaffold598	21761	CC	TT	1940460250
SNP_P1_198167_21895	NW_004516028.1	Scaffold598	21895	AA	TT	1940460251
SNP_P1_198168_21968	NW_004516028.1	Scaffold598	21968	GG	TT	1940460252
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SNP_P1_198170_21993	NW_004516028.1	Scaffold598	21993	TT	AA	1940460254
SNP_P1_198171_22032	NW_004516028.1	Scaffold598	22032	CC	TT	1940460255
SNP_P1_198172_22039	NW_004516028.1	Scaffold598	22039	AA	CC	1940460256
SNP_P1_198173_22041	NW_004516028.1	Scaffold598	22041	CC	AA	1940460257
SNP_P1_198174_22045	NW_004516028.1	Scaffold598	22045	AA	TT	1940460258
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SNP_P1_198176_29943	NW_004516028.1	Scaffold598	29943	GG	AA	1940460260
SNP_P1_198177_37042	NW_004516028.1	Scaffold598	37042	AA	GG	1940460261
SNP_P1_198178_38202	NW_004516028.1	Scaffold598	38202	GG	AA	1940460262
SNP_P1_198179_40421	NW_004516028.1	Scaffold598	40421	AA	GG	1940460263
SNP_P1_198181_46374	NW_004516028.1	Scaffold598	46374	AA	GG	1940460264
SNP_P1_198182_74060	NW_004516028.1	Scaffold598	74060	AA	TT	1940460265
SNP_P1_198183_77409	NW_004516028.1	Scaffold598	77409	CC	AA	1940460266
SNP_P1_198184_79243	NW_004516028.1	Scaffold598	79243	GG	AA	1940460267
SNP_P1_198185_84135	NW_004516028.1	Scaffold598	84135	TT	AA	1940460268
SNP_P1_198186_92103	NW_004516028.1	Scaffold598	92103	GG	AA	1940460269
SNP_P1_198187_93357	NW_004516028.1	Scaffold598	93357	GG	CC	1940460270
SNP_P1_198188_93907	NW_004516028.1	Scaffold598	93907	GG	AA	1940460271
SNP_P1_198192_112332	NW_004516028.1	Scaffold598	112332	CC	TT	1940460272
SNP_P1_198193_112887	NW_004516028.1	Scaffold598	112887	TT	CC	1940460273
SNP_P1_198196_124760	NW_004516028.1	Scaffold598	124760	GG	CC	1940460274
SNP_P1_198197_124790	NW_004516028.1	Scaffold598	124790	TT	CC	1940460275
SNP_P1_198198_125484	NW_004516028.1	Scaffold598	125484	CC	TT	1940460276
SNP_P1_198199_125584	NW_004516028.1	Scaffold598	125584	TT	CC	1940460277
SNP_P1_198200_125756	NW_004516028.1	Scaffold598	125756	TT	CC	1940460278
SNP_P1_198201_126025	NW_004516028.1	Scaffold598	126025	CC	TT	1940460279

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198203_126090	NW_004516028.1	Scaffold598	126090	AA	TT	1940460281
SNP_P1_198204_126091	NW_004516028.1	Scaffold598	126091	TT	AA	1940460282
SNP_P1_198205_126104	NW_004516028.1	Scaffold598	126104	CC	AA	1940460283
SNP_P1_198207_126290	NW_004516028.1	Scaffold598	126290	GG	AA	1940460284
SNP_P1_198209_131902	NW_004516028.1	Scaffold598	131902	GG	CC	1940460285
SNP_P1_198210_154735	NW_004516028.1	Scaffold598	154735	TT	CC	1940460286
SNP_P1_198211_154746	NW_004516028.1	Scaffold598	154746	CC	AA	1940460287
SNP_P1_198212_154748	NW_004516028.1	Scaffold598	154748	CC	TT	1940460288
SNP_P1_198213_155929	NW_004516028.1	Scaffold598	155929	GG	AA	1940460289
SNP_P1_198214_157129	NW_004516028.1	Scaffold598	157129	AA	TT	1940460290
SNP_P1_198215_157130	NW_004516028.1	Scaffold598	157130	TT	CC	1940460291
SNP_P1_198216_158273	NW_004516028.1	Scaffold598	158273	AA	GG	1940460292
SNP_P1_198217_158574	NW_004516028.1	Scaffold598	158574	AA	GG	1940460293
SNP_P1_198219_183254	NW_004516028.1	Scaffold598	183254	GG	AA	1940460294
SNP_P1_198220_183575	NW_004516028.1	Scaffold598	183575	GG	AA	1940460295
SNP_P1_198221_188999	NW_004516028.1	Scaffold598	188999	AA	GG	1940460296
SNP_P1_198222_219052	NW_004516028.1	Scaffold598	219052	CC	TT	1940460297
SNP_P1_198223_220587	NW_004516028.1	Scaffold598	220587	CC	TT	1940460298
SNP_P1_198224_223245	NW_004516028.1	Scaffold598	223245	AA	GG	1940460299
SNP_P1_198225_223649	NW_004516028.1	Scaffold598	223649	TT	CC	1940460300
SNP_P1_198226_231232	NW_004516028.1	Scaffold598	231232	CC	TT	1940460301
SNP_P1_198227_231246	NW_004516028.1	Scaffold598	231246	AA	TT	1940460302
SNP_P1_198228_231288	NW_004516028.1	Scaffold598	231288	TT	CC	1940460303
SNP_P1_198229_231380	NW_004516028.1	Scaffold598	231380	AA	GG	1940460304
SNP_P1_198230_231434	NW_004516028.1	Scaffold598	231434	TT	CC	1940460305
SNP_P1_198231_231454	NW_004516028.1	Scaffold598	231454	AA	CC	1940460306
SNP_P1_198232_231473	NW_004516028.1	Scaffold598	231473	TT	AA	1940460307
SNP_P1_198233_231521	NW_004516028.1	Scaffold598	231521	TT	CC	1940460308
SNP_P1_198234_231551	NW_004516028.1	Scaffold598	231551	AA	GG	1940460309
SNP_P1_198235_232505	NW_004516028.1	Scaffold598	232505	AA	TT	1940460310
SNP_P1_198237_236900	NW_004516028.1	Scaffold598	236900	AA	GG	1940460311
SNP_P1_198238_241398	NW_004516028.1	Scaffold598	241398	AA	GG	1940460312
SNP_P1_198239_241405	NW_004516028.1	Scaffold598	241405	TT	AA	1940460313
SNP_P1_198240_245326	NW_004516028.1	Scaffold598	245326	AA	TT	1940460314
SNP_P1_198241_245415	NW_004516028.1	Scaffold598	245415	TT	CC	1940460315
SNP_P1_198242_268438	NW_004516028.1	Scaffold598	268438	CC	TT	1940460316
SNP_P1_198243_271340	NW_004516028.1	Scaffold598	271340	GG	AA	1940460317
SNP_P1_198246_279118	NW_004516028.1	Scaffold598	279118	TT	GG	1940460318
SNP_P1_198247_294048	NW_004516028.1	Scaffold598	294048	GG	AA	1940460319
SNP_P1_198248_294525	NW_004516028.1	Scaffold598	294525	GG	AA	1940460320
SNP_P1_198249_302579	NW_004516028.1	Scaffold598	302579	AA	TT	1940460321

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198251_304295	NW_004516028.1	Scaffold598	304295	GG	CC	1940460323
SNP_P1_198252_306408	NW_004516028.1	Scaffold598	306408	AA	TT	1940460324
SNP_P1_198253_311531	NW_004516028.1	Scaffold598	311531	CC	TT	1940460325
SNP_P1_198255_312318	NW_004516028.1	Scaffold598	312318	CC	GG	1940460326
SNP_P1_198256_315216	NW_004516028.1	Scaffold598	315216	TT	CC	1940460327
SNP_P1_198257_315335	NW_004516028.1	Scaffold598	315335	GG	CC	1940460328
SNP_P1_198258_315355	NW_004516028.1	Scaffold598	315355	AA	TT	1940460329
SNP_P1_198259_315375	NW_004516028.1	Scaffold598	315375	TT	GG	1940460330
SNP_P1_198260_315578	NW_004516028.1	Scaffold598	315578	TT	CC	1940460331
SNP_P1_198261_316004	NW_004516028.1	Scaffold598	316004	CC	AA	1940460332
SNP_P1_198263_318783	NW_004516028.1	Scaffold598	318783	TT	GG	1940460333
SNP_P1_198264_318845	NW_004516028.1	Scaffold598	318845	AA	GG	1940460334
SNP_P1_198266_353169	NW_004516028.1	Scaffold598	353169	CC	TT	1940460335
SNP_P1_198267_354028	NW_004516028.1	Scaffold598	354028	GG	AA	1940460336
SNP_P1_198268_354363	NW_004516028.1	Scaffold598	354363	AA	GG	1940460337
SNP_P1_198269_355856	NW_004516028.1	Scaffold598	355856	GG	AA	1940460338
SNP_P1_198270_356272	NW_004516028.1	Scaffold598	356272	AA	CC	1940460339
SNP_P1_198271_360748	NW_004516028.1	Scaffold598	360748	GG	AA	1940460341
SNP_P1_198272_364195	NW_004516028.1	Scaffold598	364195	CC	TT	1940460342
SNP_P1_198273_365744	NW_004516028.1	Scaffold598	365744	TT	GG	1940460343
SNP_P1_198274_367663	NW_004516028.1	Scaffold598	367663	AA	CC	1940460344
SNP_P1_198275_368138	NW_004516028.1	Scaffold598	368138	AA	GG	1940460345
SNP_P1_198276_368297	NW_004516028.1	Scaffold598	368297	CC	AA	1940460346
SNP_P1_198277_368309	NW_004516028.1	Scaffold598	368309	GG	AA	1940460347
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SNP_P1_198279_368502	NW_004516028.1	Scaffold598	368502	GG	AA	1940460349
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SNP_P1_198282_374435	NW_004516028.1	Scaffold598	374435	AA	TT	1940460352
SNP_P1_198283_374451	NW_004516028.1	Scaffold598	374451	GG	AA	1940460353
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SNP_P1_198286_383746	NW_004516028.1	Scaffold598	383746	TT	CC	1940460356
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SNP_P1_198289_384951	NW_004516028.1	Scaffold598	384951	TT	CC	1940460359
SNP_P1_198290_388796	NW_004516028.1	Scaffold598	388796	CC	AA	1940460360
SNP_P1_198292_392724	NW_004516028.1	Scaffold598	392724	CC	AA	1940460361
SNP_P1_198293_401706	NW_004516028.1	Scaffold598	401706	GG	AA	1940460362
SNP_P1_198294_402578	NW_004516028.1	Scaffold598	402578	AA	TT	1940460363
SNP_P1_198295_402588	NW_004516028.1	Scaffold598	402588	TT	GG	1940460364

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198298_405457	NW_004516028.1	Scaffold598	405457	GG	CC	1940460367
SNP_P1_198299_408645	NW_004516028.1	Scaffold598	408645	AA	GG	1940460368
SNP_P1_198300_409231	NW_004516028.1	Scaffold598	409231	GG	AA	1940460369
SNP_P1_198301_409717	NW_004516028.1	Scaffold598	409717	TT	AA	1940460370
SNP_P1_198303_423653	NW_004516028.1	Scaffold598	423653	CC	GG	1940460371
SNP_P1_198304_423734	NW_004516028.1	Scaffold598	423734	CC	AA	1940460372
SNP_P1_198305_423772	NW_004516028.1	Scaffold598	423772	TT	AA	1940460373
SNP_P1_198306_423779	NW_004516028.1	Scaffold598	423779	GG	TT	1940460374
SNP_P1_198307_425443	NW_004516028.1	Scaffold598	425443	TT	AA	1940460375
SNP_P1_198308_425448	NW_004516028.1	Scaffold598	425448	TT	AA	1940460376
SNP_P1_198309_434225	NW_004516028.1	Scaffold598	434225	GG	AA	1940460377
SNP_P1_198310_434231	NW_004516028.1	Scaffold598	434231	GG	AA	1940460378
SNP_P1_198311_434253	NW_004516028.1	Scaffold598	434253	AA	TT	1940460379
SNP_P1_198313_436493	NW_004516028.1	Scaffold598	436493	AA	GG	1940460380
SNP_P1_198314_436521	NW_004516028.1	Scaffold598	436521	AA	GG	1940460381
SNP_P1_198315_436569	NW_004516028.1	Scaffold598	436569	TT	CC	1940460382
SNP_P1_198316_445094	NW_004516028.1	Scaffold598	445094	TT	GG	1940460383
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SNP_P1_198318_445173	NW_004516028.1	Scaffold598	445173	CC	TT	1940460385
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SNP_P1_198320_445438	NW_004516028.1	Scaffold598	445438	AA	CC	1940460387
SNP_P1_198321_445449	NW_004516028.1	Scaffold598	445449	TT	CC	1940460388
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SNP_P1_198323_446309	NW_004516028.1	Scaffold598	446309	CC	TT	1940460390
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SNP_P1_198330_451451	NW_004516028.1	Scaffold598	451451	CC	TT	1940460397
SNP_P1_198331_455163	NW_004516028.1	Scaffold598	455163	AA	TT	1940460398
SNP_P1_198332_455166	NW_004516028.1	Scaffold598	455166	TT	AA	1940460399
SNP_P1_198333_455172	NW_004516028.1	Scaffold598	455172	AA	GG	1940460400
SNP_P1_198334_455307	NW_004516028.1	Scaffold598	455307	TT	AA	1940460401
SNP_P1_198335_455427	NW_004516028.1	Scaffold598	455427	AA	TT	1940460402
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SNP_P1_198337_455445	NW_004516028.1	Scaffold598	455445	TT	CC	1940460404
SNP_P1_198338_455457	NW_004516028.1	Scaffold598	455457	CC	TT	1940460405
SNP_P1_198339_455460	NW_004516028.1	Scaffold598	455460	AA	CC	1940460406

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198343_456327	NW_004516028.1	Scaffold598	456327	AA	GG	1940460409
SNP_P1_198344_456712	NW_004516028.1	Scaffold598	456712	CC	TT	1940460410
SNP_P1_198345_458027	NW_004516028.1	Scaffold598	458027	GG	AA	1940460411
SNP_P1_198346_459198	NW_004516028.1	Scaffold598	459198	GG	AA	1940460412
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SNP_P1_198354_478492	NW_004516028.1	Scaffold598	478492	TT	CC	1940460419
SNP_P1_198355_484270	NW_004516028.1	Scaffold598	484270	AA	GG	1940460420
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SNP_P1_198358_511094	NW_004516028.1	Scaffold598	511094	CC	GG	1940460422
SNP_P1_198359_531304	NW_004516028.1	Scaffold598	531304	CC	AA	1940460423
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SNP_P1_198362_548907	NW_004516028.1	Scaffold598	548907	CC	TT	1940460425
SNP_P1_198363_549212	NW_004516028.1	Scaffold598	549212	TT	CC	1940460426
SNP_P1_198365_553177	NW_004516028.1	Scaffold598	553177	CC	TT	1940460427
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SNP_P1_198367_563088	NW_004516028.1	Scaffold598	563088	CC	TT	1940460429
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SNP_P1_198370_565308	NW_004516028.1	Scaffold598	565308	CC	TT	1940460431
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SNP_P1_198372_565444	NW_004516028.1	Scaffold598	565444	TT	CC	1940460433
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SNP_P1_198374_568491	NW_004516028.1	Scaffold598	568491	TT	CC	1940460435
SNP_P1_198376_4962	NW_004516029.1	Scaffold599	4962	GG	AA	1940460436
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SNP_P1_198381_6876	NW_004516029.1	Scaffold599	6876	AA	GG	1940460441
SNP_P1_198382_7248	NW_004516029.1	Scaffold599	7248	GG	TT	1940460442
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198391_10084	NW_004516029.1	Scaffold599	10084	TT	AA	1940460451
SNP_P1_198392_10097	NW_004516029.1	Scaffold599	10097	GG	AA	1940460452
SNP_P1_198393_10167	NW_004516029.1	Scaffold599	10167	CC	GG	1940460453
SNP_P1_198394_10170	NW_004516029.1	Scaffold599	10170	GG	CC	1940460454
SNP_P1_198395_10251	NW_004516029.1	Scaffold599	10251	CC	TT	1940460455
SNP_P1_198396_10262	NW_004516029.1	Scaffold599	10262	TT	AA	1940460456
SNP_P1_198397_10524	NW_004516029.1	Scaffold599	10524	CC	TT	1940460457
SNP_P1_198398_10731	NW_004516029.1	Scaffold599	10731	GG	AA	1940460458
SNP_P1_198399_11021	NW_004516029.1	Scaffold599	11021	CC	AA	1940460459
SNP_P1_198400_11125	NW_004516029.1	Scaffold599	11125	GG	AA	1940460460
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SNP_P1_198402_12968	NW_004516029.1	Scaffold599	12968	CC	TT	1940460463
SNP_P1_198403_22365	NW_004516029.1	Scaffold599	22365	TT	CC	1940460464
SNP_P1_198404_23825	NW_004516029.1	Scaffold599	23825	GG	AA	1940460465
SNP_P1_198405_24656	NW_004516029.1	Scaffold599	24656	CC	AA	1940460466
SNP_P1_198406_25072	NW_004516029.1	Scaffold599	25072	TT	GG	1940460467
SNP_P1_198407_26776	NW_004516029.1	Scaffold599	26776	AA	CC	1940460468
SNP_P1_198408_26992	NW_004516029.1	Scaffold599	26992	TT	CC	1940460469
SNP_P1_198409_27801	NW_004516029.1	Scaffold599	27801	CC	TT	1940460470
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SNP_P1_198411_29021	NW_004516029.1	Scaffold599	29021	CC	AA	1940460472
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SNP_P1_198419_39441	NW_004516029.1	Scaffold599	39441	AA	GG	1940460479
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SNP_P1_198426_42770	NW_004516029.1	Scaffold599	42770	CC	AA	1940460486
SNP_P1_198427_48042	NW_004516029.1	Scaffold599	48042	GG	CC	1940460487
SNP_P1_198428_50648	NW_004516029.1	Scaffold599	50648	TT	CC	1940460488
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SNP_P1_198430_50654	NW_004516029.1	Scaffold599	50654	CC	AA	1940460490
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198434_51030	NW_004516029.1	Scaffold599	51030	CC	TT	1940460493
SNP_P1_198435_51042	NW_004516029.1	Scaffold599	51042	TT	CC	1940460494
SNP_P1_198436_51069	NW_004516029.1	Scaffold599	51069	AA	GG	1940460495
SNP_P1_198437_51081	NW_004516029.1	Scaffold599	51081	TT	CC	1940460496
SNP_P1_198438_51090	NW_004516029.1	Scaffold599	51090	GG	AA	1940460497
SNP_P1_198439_54441	NW_004516029.1	Scaffold599	54441	TT	CC	1940460498
SNP_P1_198441_54949	NW_004516029.1	Scaffold599	54949	AA	GG	1940460499
SNP_P1_198442_55255	NW_004516029.1	Scaffold599	55255	TT	CC	1940460500
SNP_P1_198443_55258	NW_004516029.1	Scaffold599	55258	AA	GG	1940460501
SNP_P1_198444_55267	NW_004516029.1	Scaffold599	55267	TT	AA	1940460502
SNP_P1_198445_55540	NW_004516029.1	Scaffold599	55540	AA	TT	1940460503
SNP_P1_198446_55951	NW_004516029.1	Scaffold599	55951	TT	CC	1940460504
SNP_P1_198447_56239	NW_004516029.1	Scaffold599	56239	CC	AA	1940460505
SNP_P1_198448_56457	NW_004516029.1	Scaffold599	56457	AA	GG	1940460506
SNP_P1_198449_57011	NW_004516029.1	Scaffold599	57011	GG	AA	1940460507
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SNP_P1_198451_57025	NW_004516029.1	Scaffold599	57025	AA	GG	1940460509
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SNP_P1_198453_57069	NW_004516029.1	Scaffold599	57069	AA	GG	1940460511
SNP_P1_198454_57072	NW_004516029.1	Scaffold599	57072	CC	GG	1940460512
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SNP_P1_198456_57319	NW_004516029.1	Scaffold599	57319	AA	CC	1940460514
SNP_P1_198457_57422	NW_004516029.1	Scaffold599	57422	GG	AA	1940460515
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SNP_P1_198460_58576	NW_004516029.1	Scaffold599	58576	GG	AA	1940460518
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SNP_P1_198465_59277	NW_004516029.1	Scaffold599	59277	GG	AA	1940460522
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SNP_P1_198471_76243	NW_004516029.1	Scaffold599	76243	GG	AA	1940460526
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SNP_P1_198475_76783	NW_004516029.1	Scaffold599	76783	AA	CC	1940460530
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198481_82485	NW_004516029.1	Scaffold599	82485	GG	TT	1940460536
SNP_P1_198482_83364	NW_004516029.1	Scaffold599	83364	GG	TT	1940460537
SNP_P1_198483_83423	NW_004516029.1	Scaffold599	83423	CC	TT	1940460538
SNP_P1_198484_84550	NW_004516029.1	Scaffold599	84550	CC	TT	1940460539
SNP_P1_198485_84746	NW_004516029.1	Scaffold599	84746	CC	TT	1940460540
SNP_P1_198486_85710	NW_004516029.1	Scaffold599	85710	CC	TT	1940460541
SNP_P1_198487_85889	NW_004516029.1	Scaffold599	85889	TT	GG	1940460542
SNP_P1_198488_86231	NW_004516029.1	Scaffold599	86231	CC	TT	1940460543
SNP_P1_198489_87523	NW_004516029.1	Scaffold599	87523	CC	GG	1940460544
SNP_P1_198491_91439	NW_004516029.1	Scaffold599	91439	AA	TT	1940460545
SNP_P1_198492_92189	NW_004516029.1	Scaffold599	92189	CC	TT	1940460546
SNP_P1_198493_93010	NW_004516029.1	Scaffold599	93010	GG	AA	1940460547
SNP_P1_198495_93335	NW_004516029.1	Scaffold599	93335	AA	CC	1940460548
SNP_P1_198496_93383	NW_004516029.1	Scaffold599	93383	AA	GG	1940460549
SNP_P1_198497_94367	NW_004516029.1	Scaffold599	94367	AA	TT	1940460550
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SNP_P1_198502_98324	NW_004516029.1	Scaffold599	98324	TT	CC	1940460553
SNP_P1_198503_98867	NW_004516029.1	Scaffold599	98867	CC	TT	1940460554
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SNP_P1_198508_103271	NW_004516029.1	Scaffold599	103271	TT	CC	1940460558
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SNP_P1_198514_112172	NW_004516029.1	Scaffold599	112172	TT	AA	1940460564
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SNP_P1_198516_113707	NW_004516029.1	Scaffold599	113707	TT	AA	1940460566
SNP_P1_198518_120579	NW_004516029.1	Scaffold599	120579	AA	GG	1940460567
SNP_P1_198519_120598	NW_004516029.1	Scaffold599	120598	CC	TT	1940460568
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SNP_P1_198522_125223	NW_004516029.1	Scaffold599	125223	TT	CC	1940460570
SNP_P1_198523_125448	NW_004516029.1	Scaffold599	125448	CC	TT	1940460571
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SNP_P1_198525_126737	NW_004516029.1	Scaffold599	126737	CC	TT	1940460573
SNP_P1_198527_129281	NW_004516029.1	Scaffold599	129281	TT	CC	1940460574
SNP_P1_198528_129615	NW_004516029.1	Scaffold599	129615	CC	AA	1940460575

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198534_141883	NW_004516029.1	Scaffold599	141883	AA	GG	1940460579
SNP_P1_198536_153175	NW_004516029.1	Scaffold599	153175	AA	GG	1940460580
SNP_P1_198537_153212	NW_004516029.1	Scaffold599	153212	TT	CC	1940460581
SNP_P1_198538_156042	NW_004516029.1	Scaffold599	156042	CC	AA	1940460582
SNP_P1_198540_160269	NW_004516029.1	Scaffold599	160269	TT	CC	1940460583
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SNP_P1_198547_182283	NW_004516029.1	Scaffold599	182283	GG	AA	1940460589
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198584_244710	NW_004516029.1	Scaffold599	244710	CC	TT	1940460622
SNP_P1_198585_245072	NW_004516029.1	Scaffold599	245072	AA	GG	1940460623
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SNP_P1_198610_284709	NW_004516029.1	Scaffold599	284709	CC	TT	1940460642
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SNP_P1_198612_285955	NW_004516029.1	Scaffold599	285955	TT	GG	1940460644
SNP_P1_198613_285997	NW_004516029.1	Scaffold599	285997	TT	CC	1940460645
SNP_P1_198614_286324	NW_004516029.1	Scaffold599	286324	GG	CC	1940460646
SNP_P1_198616_286894	NW_004516029.1	Scaffold599	286894	AA	GG	1940460647
SNP_P1_198617_286982	NW_004516029.1	Scaffold599	286982	CC	AA	1940460648
SNP_P1_198618_287177	NW_004516029.1	Scaffold599	287177	CC	AA	1940460649
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SNP_P1_198621_291347	NW_004516029.1	Scaffold599	291347	GG	AA	1940460651
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SNP_P1_198624_292521	NW_004516029.1	Scaffold599	292521	GG	AA	1940460653
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SNP_P1_198626_292976	NW_004516029.1	Scaffold599	292976	AA	GG	1940460655
SNP_P1_198627_293519	NW_004516029.1	Scaffold599	293519	TT	CC	1940460656
SNP_P1_198628_293976	NW_004516029.1	Scaffold599	293976	TT	AA	1940460657
SNP_P1_198629_294511	NW_004516029.1	Scaffold599	294511	TT	CC	1940460658
SNP_P1_198630_294826	NW_004516029.1	Scaffold599	294826	CC	TT	1940460659
SNP_P1_198631_295464	NW_004516029.1	Scaffold599	295464	TT	CC	1940460660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198633_296785	NW_004516029.1	Scaffold599	296785	AA	GG	1940460662
SNP_P1_198634_296851	NW_004516029.1	Scaffold599	296851	CC	TT	1940460663
SNP_P1_198636_297509	NW_004516029.1	Scaffold599	297509	AA	CC	1940460664
SNP_P1_198637_297897	NW_004516029.1	Scaffold599	297897	GG	AA	1940460665
SNP_P1_198638_298283	NW_004516029.1	Scaffold599	298283	CC	TT	1940460666
SNP_P1_198639_299195	NW_004516029.1	Scaffold599	299195	TT	CC	1940460667
SNP_P1_198640_299395	NW_004516029.1	Scaffold599	299395	AA	GG	1940460668
SNP_P1_198641_300980	NW_004516029.1	Scaffold599	300980	CC	TT	1940460669
SNP_P1_198642_302211	NW_004516029.1	Scaffold599	302211	TT	CC	1940460670
SNP_P1_198643_302464	NW_004516029.1	Scaffold599	302464	TT	CC	1940460671
SNP_P1_198644_302481	NW_004516029.1	Scaffold599	302481	TT	CC	1940460672
SNP_P1_198645_302485	NW_004516029.1	Scaffold599	302485	TT	GG	1940460673
SNP_P1_198646_302989	NW_004516029.1	Scaffold599	302989	GG	TT	1940460674
SNP_P1_198647_303328	NW_004516029.1	Scaffold599	303328	TT	CC	1940460675
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SNP_P1_198649_305149	NW_004516029.1	Scaffold599	305149	CC	TT	1940460677
SNP_P1_198650_305581	NW_004516029.1	Scaffold599	305581	GG	AA	1940460678
SNP_P1_198651_306296	NW_004516029.1	Scaffold599	306296	AA	GG	1940460679
SNP_P1_198652_306304	NW_004516029.1	Scaffold599	306304	GG	TT	1940460680
SNP_P1_198653_306387	NW_004516029.1	Scaffold599	306387	AA	TT	1940460681
SNP_P1_198654_306533	NW_004516029.1	Scaffold599	306533	CC	TT	1940460682
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SNP_P1_198660_307731	NW_004516029.1	Scaffold599	307731	CC	AA	1940460685
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SNP_P1_198675_315058	NW_004516029.1	Scaffold599	315058	TT	AA	1940460696
SNP_P1_198676_315699	NW_004516029.1	Scaffold599	315699	TT	GG	1940460697
SNP_P1_198677_315792	NW_004516029.1	Scaffold599	315792	AA	GG	1940460698
SNP_P1_198678_315815	NW_004516029.1	Scaffold599	315815	AA	GG	1940460699
SNP_P1_198679_316144	NW_004516029.1	Scaffold599	316144	AA	CC	1940460700
SNP_P1_198680_316717	NW_004516029.1	Scaffold599	316717	AA	GG	1940460701
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198683_317420	NW_004516029.1	Scaffold599	317420	AA	TT	1940460704
SNP_P1_198684_317426	NW_004516029.1	Scaffold599	317426	AA	TT	1940460705
SNP_P1_198685_317432	NW_004516029.1	Scaffold599	317432	AA	TT	1940460706
SNP_P1_198686_317438	NW_004516029.1	Scaffold599	317438	AA	TT	1940460707
SNP_P1_198687_317444	NW_004516029.1	Scaffold599	317444	AA	TT	1940460708
SNP_P1_198688_318533	NW_004516029.1	Scaffold599	318533	CC	TT	1940460709
SNP_P1_198689_320166	NW_004516029.1	Scaffold599	320166	AA	CC	1940460710
SNP_P1_198690_320224	NW_004516029.1	Scaffold599	320224	CC	AA	1940460711
SNP_P1_198691_320413	NW_004516029.1	Scaffold599	320413	TT	CC	1940460712
SNP_P1_198692_320834	NW_004516029.1	Scaffold599	320834	TT	AA	1940460713
SNP_P1_198693_321498	NW_004516029.1	Scaffold599	321498	GG	AA	1940460714
SNP_P1_198694_321909	NW_004516029.1	Scaffold599	321909	AA	GG	1940460715
SNP_P1_198696_322874	NW_004516029.1	Scaffold599	322874	AA	TT	1940460716
SNP_P1_198697_323209	NW_004516029.1	Scaffold599	323209	GG	AA	1940460717
SNP_P1_198700_324304	NW_004516029.1	Scaffold599	324304	AA	CC	1940460718
SNP_P1_198701_324397	NW_004516029.1	Scaffold599	324397	GG	AA	1940460719
SNP_P1_198702_324549	NW_004516029.1	Scaffold599	324549	GG	TT	1940460720
SNP_P1_198703_327319	NW_004516029.1	Scaffold599	327319	CC	TT	1940460721
SNP_P1_198704_327605	NW_004516029.1	Scaffold599	327605	TT	CC	1940460722
SNP_P1_198706_329046	NW_004516029.1	Scaffold599	329046	GG	AA	1940460723
SNP_P1_198707_329145	NW_004516029.1	Scaffold599	329145	TT	CC	1940460724
SNP_P1_198708_329222	NW_004516029.1	Scaffold599	329222	AA	TT	1940460725
SNP_P1_198710_329444	NW_004516029.1	Scaffold599	329444	CC	AA	1940460726
SNP_P1_198711_330142	NW_004516029.1	Scaffold599	330142	CC	TT	1940460727
SNP_P1_198713_330489	NW_004516029.1	Scaffold599	330489	AA	TT	1940460728
SNP_P1_198714_330602	NW_004516029.1	Scaffold599	330602	TT	CC	1940460729
SNP_P1_198715_331001	NW_004516029.1	Scaffold599	331001	GG	AA	1940460730
SNP_P1_198716_331507	NW_004516029.1	Scaffold599	331507	TT	GG	1940460731
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SNP_P1_198719_333522	NW_004516029.1	Scaffold599	333522	CC	TT	1940460734
SNP_P1_198720_333595	NW_004516029.1	Scaffold599	333595	AA	GG	1940460735
SNP_P1_198721_335120	NW_004516029.1	Scaffold599	335120	AA	GG	1940460736
SNP_P1_198722_335187	NW_004516029.1	Scaffold599	335187	TT	GG	1940460737
SNP_P1_198724_337164	NW_004516029.1	Scaffold599	337164	CC	AA	1940460738
SNP_P1_198726_337221	NW_004516029.1	Scaffold599	337221	AA	GG	1940460739
SNP_P1_198727_337307	NW_004516029.1	Scaffold599	337307	TT	CC	1940460740
SNP_P1_198728_337441	NW_004516029.1	Scaffold599	337441	CC	TT	1940460741
SNP_P1_198729_338098	NW_004516029.1	Scaffold599	338098	GG	AA	1940460742
SNP_P1_198731_338964	NW_004516029.1	Scaffold599	338964	AA	TT	1940460743
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198735_347335	NW_004516029.1	Scaffold599	347335	CC	TT	1940460747
SNP_P1_198736_347337	NW_004516029.1	Scaffold599	347337	GG	AA	1940460748
SNP_P1_198738_350767	NW_004516029.1	Scaffold599	350767	GG	CC	1940460749
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SNP_P1_198741_351567	NW_004516029.1	Scaffold599	351567	GG	AA	1940460751
SNP_P1_198742_352140	NW_004516029.1	Scaffold599	352140	AA	TT	1940460752
SNP_P1_198743_352302	NW_004516029.1	Scaffold599	352302	AA	CC	1940460753
SNP_P1_198745_352801	NW_004516029.1	Scaffold599	352801	CC	TT	1940460754
SNP_P1_198746_353342	NW_004516029.1	Scaffold599	353342	GG	AA	1940460755
SNP_P1_198747_353375	NW_004516029.1	Scaffold599	353375	CC	TT	1940460756
SNP_P1_198748_354269	NW_004516029.1	Scaffold599	354269	TT	AA	1940460757
SNP_P1_198749_355180	NW_004516029.1	Scaffold599	355180	GG	TT	1940460758
SNP_P1_198750_355547	NW_004516029.1	Scaffold599	355547	CC	GG	1940460759
SNP_P1_198751_355853	NW_004516029.1	Scaffold599	355853	AA	GG	1940460760
SNP_P1_198752_356119	NW_004516029.1	Scaffold599	356119	GG	AA	1940460761
SNP_P1_198753_356963	NW_004516029.1	Scaffold599	356963	GG	CC	1940460762
SNP_P1_198754_357014	NW_004516029.1	Scaffold599	357014	GG	AA	1940460763
SNP_P1_198755_357475	NW_004516029.1	Scaffold599	357475	GG	AA	1940460764
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SNP_P1_198758_358497	NW_004516029.1	Scaffold599	358497	AA	TT	1940460766
SNP_P1_198759_358637	NW_004516029.1	Scaffold599	358637	TT	CC	1940460767
SNP_P1_198760_358713	NW_004516029.1	Scaffold599	358713	AA	TT	1940460769
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SNP_P1_198763_359746	NW_004516029.1	Scaffold599	359746	GG	TT	1940460771
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SNP_P1_198769_361821	NW_004516029.1	Scaffold599	361821	TT	CC	1940460777
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SNP_P1_198771_363794	NW_004516029.1	Scaffold599	363794	TT	CC	1940460779
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SNP_P1_198775_367600	NW_004516029.1	Scaffold599	367600	AA	GG	1940460782
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SNP_P1_198777_368147	NW_004516029.1	Scaffold599	368147	AA	CC	1940460784
SNP_P1_198778_368255	NW_004516029.1	Scaffold599	368255	GG	TT	1940460785
SNP_P1_198779_368888	NW_004516029.1	Scaffold599	368888	GG	CC	1940460786
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198783_369270	NW_004516029.1	Scaffold599	369270	AA	TT	1940460790
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SNP_P1_198793_369763	NW_004516029.1	Scaffold599	369763	AA	GG	1940460799
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SNP_P1_198795_369959	NW_004516029.1	Scaffold599	369959	GG	TT	1940460801
SNP_P1_198797_372255	NW_004516029.1	Scaffold599	372255	AA	GG	1940460802
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SNP_P1_198820_387855	NW_004516029.1	Scaffold599	387855	GG	TT	1940460824
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SNP_P1_198828_392773	NW_004516029.1	Scaffold599	392773	AA	TT	1940460829

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198832_394637	NW_004516029.1	Scaffold599	394637	AA	CC	1940460832
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SNP_P1_198834_395121	NW_004516029.1	Scaffold599	395121	TT	CC	1940460834
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SNP_P1_198843_399709	NW_004516029.1	Scaffold599	399709	CC	TT	1940460843
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SNP_P1_198846_401997	NW_004516029.1	Scaffold599	401997	CC	TT	1940460846
SNP_P1_198847_402018	NW_004516029.1	Scaffold599	402018	GG	TT	1940460847
SNP_P1_198848_402042	NW_004516029.1	Scaffold599	402042	AA	GG	1940460848
SNP_P1_198849_402481	NW_004516029.1	Scaffold599	402481	TT	GG	1940460849
SNP_P1_198850_402756	NW_004516029.1	Scaffold599	402756	CC	TT	1940460850
SNP_P1_198851_403129	NW_004516029.1	Scaffold599	403129	TT	GG	1940460851
SNP_P1_198852_403260	NW_004516029.1	Scaffold599	403260	GG	TT	1940460852
SNP_P1_198853_403447	NW_004516029.1	Scaffold599	403447	AA	TT	1940460853
SNP_P1_198855_404158	NW_004516029.1	Scaffold599	404158	CC	AA	1940460854
SNP_P1_198856_404253	NW_004516029.1	Scaffold599	404253	AA	CC	1940460855
SNP_P1_198857_404742	NW_004516029.1	Scaffold599	404742	AA	CC	1940460856
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SNP_P1_198860_406102	NW_004516029.1	Scaffold599	406102	GG	AA	1940460859
SNP_P1_198861_406586	NW_004516029.1	Scaffold599	406586	TT	GG	1940460860
SNP_P1_198862_406789	NW_004516029.1	Scaffold599	406789	CC	TT	1940460861
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SNP_P1_198866_408368	NW_004516029.1	Scaffold599	408368	CC	TT	1940460865
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SNP_P1_198868_409572	NW_004516029.1	Scaffold599	409572	CC	AA	1940460867
SNP_P1_198870_410095	NW_004516029.1	Scaffold599	410095	CC	AA	1940460868
SNP_P1_198871_410238	NW_004516029.1	Scaffold599	410238	AA	CC	1940460869
SNP_P1_198872_411436	NW_004516029.1	Scaffold599	411436	GG	TT	1940460870
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198875_412792	NW_004516029.1	Scaffold599	412792	TT	AA	1940460873
SNP_P1_198876_412794	NW_004516029.1	Scaffold599	412794	AA	GG	1940460874
SNP_P1_198877_9894	NW_004516030.1	Scaffold601	9894	TT	AA	1940460875
SNP_P1_198878_22889	NW_004516030.1	Scaffold601	22889	AA	TT	1940460876
SNP_P1_198879_22927	NW_004516030.1	Scaffold601	22927	GG	AA	1940460877
SNP_P1_198880_29106	NW_004516030.1	Scaffold601	29106	GG	AA	1940460878
SNP_P1_198881_29189	NW_004516030.1	Scaffold601	29189	AA	GG	1940460879
SNP_P1_198882_29523	NW_004516030.1	Scaffold601	29523	AA	GG	1940460880
SNP_P1_198883_29524	NW_004516030.1	Scaffold601	29524	AA	CC	1940460881
SNP_P1_198884_38557	NW_004516030.1	Scaffold601	38557	TT	CC	1940460882
SNP_P1_198885_41358	NW_004516030.1	Scaffold601	41358	TT	CC	1940460883
SNP_P1_198886_44328	NW_004516030.1	Scaffold601	44328	GG	TT	1940460884
SNP_P1_198887_44357	NW_004516030.1	Scaffold601	44357	AA	GG	1940460885
SNP_P1_198889_52366	NW_004516030.1	Scaffold601	52366	TT	GG	1940460886
SNP_P1_198890_52378	NW_004516030.1	Scaffold601	52378	TT	CC	1940460887
SNP_P1_198891_52415	NW_004516030.1	Scaffold601	52415	TT	GG	1940460888
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SNP_P1_198894_59097	NW_004516030.1	Scaffold601	59097	CC	TT	1940460891
SNP_P1_198895_86997	NW_004516030.1	Scaffold601	86997	AA	GG	1940460892
SNP_P1_198896_87005	NW_004516030.1	Scaffold601	87005	GG	AA	1940460893
SNP_P1_198897_87015	NW_004516030.1	Scaffold601	87015	AA	GG	1940460894
SNP_P1_198898_87018	NW_004516030.1	Scaffold601	87018	CC	AA	1940460895
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SNP_P1_198904_109853	NW_004516030.1	Scaffold601	109853	GG	TT	1940460901
SNP_P1_198905_109859	NW_004516030.1	Scaffold601	109859	GG	AA	1940460902
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SNP_P1_198911_110237	NW_004516030.1	Scaffold601	110237	TT	CC	1940460908
SNP_P1_198912_110262	NW_004516030.1	Scaffold601	110262	GG	AA	1940460909
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SNP_P1_198915_110300	NW_004516030.1	Scaffold601	110300	AA	GG	1940460912
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_198918_110706	NW_004516030.1	Scaffold601	110706	GG	AA	1940460915
SNP_P1_198919_110812	NW_004516030.1	Scaffold601	110812	CC	TT	1940460916
SNP_P1_198920_115279	NW_004516030.1	Scaffold601	115279	GG	AA	1940460917
SNP_P1_198921_125673	NW_004516030.1	Scaffold601	125673	CC	TT	1940460918
SNP_P1_198922_131084	NW_004516030.1	Scaffold601	131084	CC	TT	1940460919
SNP_P1_198923_132857	NW_004516030.1	Scaffold601	132857	GG	AA	1940460920
SNP_P1_198924_143367	NW_004516030.1	Scaffold601	143367	TT	CC	1940460921
SNP_P1_198925_143368	NW_004516030.1	Scaffold601	143368	AA	CC	1940460922
SNP_P1_198926_143381	NW_004516030.1	Scaffold601	143381	AA	GG	1940460923
SNP_P1_198927_143394	NW_004516030.1	Scaffold601	143394	AA	GG	1940460924
SNP_P1_198928_146506	NW_004516030.1	Scaffold601	146506	AA	TT	1940460925
SNP_P1_198929_147082	NW_004516030.1	Scaffold601	147082	TT	CC	1940460926
SNP_P1_198930_147083	NW_004516030.1	Scaffold601	147083	GG	AA	1940460928
SNP_P1_198931_147231	NW_004516030.1	Scaffold601	147231	TT	CC	1940460929
SNP_P1_198932_147296	NW_004516030.1	Scaffold601	147296	AA	GG	1940460930
SNP_P1_198933_1268	NW_004516031.1	Scaffold602	1268	AA	GG	1940460931
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SNP_P1_198935_1394	NW_004516031.1	Scaffold602	1394	TT	AA	1940460933
SNP_P1_198936_5627	NW_004516031.1	Scaffold602	5627	AA	GG	1940460934
SNP_P1_198937_1641	NW_004516032.1	Scaffold604	1641	GG	AA	1940460935
SNP_P1_198938_3233	NW_004516032.1	Scaffold604	3233	CC	TT	1940460936
SNP_P1_198939_7400	NW_004516032.1	Scaffold604	7400	GG	AA	1940460937
SNP_P1_198940_7531	NW_004516032.1	Scaffold604	7531	CC	TT	1940460938
SNP_P1_198941_7615	NW_004516032.1	Scaffold604	7615	GG	AA	1940460939
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SNP_P1_198945_8150	NW_004516032.1	Scaffold604	8150	AA	TT	1940460943
SNP_P1_198946_8167	NW_004516032.1	Scaffold604	8167	CC	AA	1940460944
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SNP_P1_198952_9055	NW_004516032.1	Scaffold604	9055	AA	TT	1940460950
SNP_P1_198953_9084	NW_004516032.1	Scaffold604	9084	TT	AA	1940460951
SNP_P1_198954_9112	NW_004516032.1	Scaffold604	9112	AA	TT	1940460952
SNP_P1_198955_9237	NW_004516032.1	Scaffold604	9237	TT	CC	1940460953
SNP_P1_198956_9290	NW_004516032.1	Scaffold604	9290	AA	GG	1940460954
SNP_P1_198957_9509	NW_004516032.1	Scaffold604	9509	AA	GG	1940460955
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SNP_P1_198961_12999	NW_004516032.1	Scaffold604	12999	GG	AA	1940460959
SNP_P1_198964_14643	NW_004516032.1	Scaffold604	14643	AA	TT	1940460960
SNP_P1_198965_14644	NW_004516032.1	Scaffold604	14644	TT	AA	1940460961
SNP_P1_198966_14647	NW_004516032.1	Scaffold604	14647	AA	GG	1940460962
SNP_P1_198967_15113	NW_004516032.1	Scaffold604	15113	AA	GG	1940460963
SNP_P1_198968_15186	NW_004516032.1	Scaffold604	15186	AA	TT	1940460964
SNP_P1_198969_15857	NW_004516032.1	Scaffold604	15857	CC	TT	1940460965
SNP_P1_198970_15863	NW_004516032.1	Scaffold604	15863	GG	TT	1940460966
SNP_P1_198971_15866	NW_004516032.1	Scaffold604	15866	AA	TT	1940460967
SNP_P1_198972_15940	NW_004516032.1	Scaffold604	15940	CC	GG	1940460968
SNP_P1_198973_16096	NW_004516032.1	Scaffold604	16096	GG	CC	1940460969
SNP_P1_198974_16450	NW_004516032.1	Scaffold604	16450	TT	CC	1940460970
SNP_P1_198975_16641	NW_004516032.1	Scaffold604	16641	AA	CC	1940460971
SNP_P1_198976_16830	NW_004516032.1	Scaffold604	16830	TT	CC	1940460972
SNP_P1_198977_16910	NW_004516032.1	Scaffold604	16910	TT	CC	1940460973
SNP_P1_198979_19179	NW_004516032.1	Scaffold604	19179	AA	GG	1940460974
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SNP_P1_198981_19393	NW_004516032.1	Scaffold604	19393	TT	CC	1940460976
SNP_P1_198982_19581	NW_004516032.1	Scaffold604	19581	TT	CC	1940460977
SNP_P1_198983_19620	NW_004516032.1	Scaffold604	19620	AA	GG	1940460978
SNP_P1_198984_22650	NW_004516032.1	Scaffold604	22650	CC	GG	1940460979
SNP_P1_198985_26028	NW_004516032.1	Scaffold604	26028	CC	TT	1940460980
SNP_P1_198986_26996	NW_004516032.1	Scaffold604	26996	TT	CC	1940460981
SNP_P1_198987_27396	NW_004516032.1	Scaffold604	27396	TT	CC	1940460982
SNP_P1_198988_29319	NW_004516032.1	Scaffold604	29319	CC	AA	1940460983
SNP_P1_198990_37554	NW_004516032.1	Scaffold604	37554	AA	GG	1940460984
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SNP_P1_198993_40352	NW_004516032.1	Scaffold604	40352	CC	TT	1940460986
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SNP_P1_198996_58136	NW_004516032.1	Scaffold604	58136	AA	TT	1940460989
SNP_P1_198998_59438	NW_004516032.1	Scaffold604	59438	GG	TT	1940460990
SNP_P1_198999_59755	NW_004516032.1	Scaffold604	59755	CC	GG	1940460991
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SNP_P1_199001_62777	NW_004516032.1	Scaffold604	62777	CC	GG	1940460993
SNP_P1_199002_63654	NW_004516032.1	Scaffold604	63654	CC	AA	1940460994
SNP_P1_199003_64024	NW_004516032.1	Scaffold604	64024	AA	TT	1940460995
SNP_P1_199004_64256	NW_004516032.1	Scaffold604	64256	CC	GG	1940460996
SNP_P1_199005_64306	NW_004516032.1	Scaffold604	64306	CC	AA	1940460997
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SNP_P1_199012_72039	NW_004516032.1	Scaffold604	72039	GG	AA	1940461002
SNP_P1_199013_73026	NW_004516032.1	Scaffold604	73026	CC	TT	1940461003
SNP_P1_199014_74152	NW_004516032.1	Scaffold604	74152	TT	CC	1940461004
SNP_P1_199015_76768	NW_004516032.1	Scaffold604	76768	GG	TT	1940461005
SNP_P1_199016_80173	NW_004516032.1	Scaffold604	80173	CC	TT	1940461006
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SNP_P1_199021_14456	NW_004516033.1	Scaffold605	14456	GG	AA	1940461011
SNP_P1_199022_19031	NW_004516033.1	Scaffold605	19031	TT	CC	1940461012
SNP_P1_199023_19056	NW_004516033.1	Scaffold605	19056	CC	TT	1940461013
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SNP_P1_199027_29010	NW_004516033.1	Scaffold605	29010	AA	GG	1940461017
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SNP_P1_199029_71320	NW_004516033.1	Scaffold605	71320	TT	AA	1940461019
SNP_P1_199030_71324	NW_004516033.1	Scaffold605	71324	CC	AA	1940461020
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SNP_P1_199046_11788	NW_004516036.1	Scaffold611	11788	CC	TT	1940461035
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SNP_P1_199049_2130	NW_004516037.1	Scaffold612	2130	TT	AA	1940461038
SNP_P1_199050_2941	NW_004516037.1	Scaffold612	2941	CC	AA	1940461039
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SNP_P1_199053_3022	NW_004516037.1	Scaffold612	3022	TT	AA	1940461042
SNP_P1_199054_3040	NW_004516037.1	Scaffold612	3040	CC	TT	1940461043
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SNP_P1_199056_3120	NW_004516037.1	Scaffold612	3120	CC	GG	1940461045
SNP_P1_199057_3194	NW_004516037.1	Scaffold612	3194	GG	AA	1940461046
SNP_P1_199058_3195	NW_004516037.1	Scaffold612	3195	TT	CC	1940461047
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SNP_P1_199068_3552	NW_004516037.1	Scaffold612	3552	CC	GG	1940461056
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SNP_P1_199073_17952	NW_004516037.1	Scaffold612	17952	TT	AA	1940461060
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SNP_P1_199075_18122	NW_004516037.1	Scaffold612	18122	AA	CC	1940461062
SNP_P1_199076_18613	NW_004516037.1	Scaffold612	18613	TT	AA	1940461063
SNP_P1_199077_19944	NW_004516037.1	Scaffold612	19944	GG	TT	1940461064
SNP_P1_199078_20271	NW_004516037.1	Scaffold612	20271	CC	AA	1940461065
SNP_P1_199079_20625	NW_004516037.1	Scaffold612	20625	AA	TT	1940461066
SNP_P1_199080_22047	NW_004516037.1	Scaffold612	22047	CC	TT	1940461067
SNP_P1_199081_22114	NW_004516037.1	Scaffold612	22114	GG	AA	1940461068
SNP_P1_199082_22400	NW_004516037.1	Scaffold612	22400	GG	TT	1940461069
SNP_P1_199083_22549	NW_004516037.1	Scaffold612	22549	AA	GG	1940461070
SNP_P1_199084_22674	NW_004516037.1	Scaffold612	22674	GG	CC	1940461071
SNP_P1_199085_22779	NW_004516037.1	Scaffold612	22779	TT	GG	1940461072
SNP_P1_199086_22786	NW_004516037.1	Scaffold612	22786	GG	TT	1940461073
SNP_P1_199087_22970	NW_004516037.1	Scaffold612	22970	AA	CC	1940461074
SNP_P1_199088_23052	NW_004516037.1	Scaffold612	23052	AA	GG	1940461075
SNP_P1_199089_23073	NW_004516037.1	Scaffold612	23073	AA	TT	1940461076
SNP_P1_199090_23159	NW_004516037.1	Scaffold612	23159	CC	GG	1940461077
SNP_P1_199091_24634	NW_004516037.1	Scaffold612	24634	CC	TT	1940461078
SNP_P1_199092_24822	NW_004516037.1	Scaffold612	24822	CC	TT	1940461079
SNP_P1_199093_24959	NW_004516037.1	Scaffold612	24959	GG	TT	1940461080
SNP_P1_199094_25277	NW_004516037.1	Scaffold612	25277	GG	AA	1940461081
SNP_P1_199095_25591	NW_004516037.1	Scaffold612	25591	GG	AA	1940461082

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_199096_25749	NW_004516037.1	Scaffold612	25749	AA	GG	1940461083
SNP_P1_199097_26703	NW_004516037.1	Scaffold612	26703	TT	CC	1940461084
SNP_P1_199098_26704	NW_004516037.1	Scaffold612	26704	GG	AA	1940461085
SNP_P1_199099_27984	NW_004516037.1	Scaffold612	27984	AA	GG	1940461086
SNP_P1_199100_28162	NW_004516037.1	Scaffold612	28162	GG	TT	1940461087
SNP_P1_199101_28190	NW_004516037.1	Scaffold612	28190	TT	AA	1940461088
SNP_P1_199102_28238	NW_004516037.1	Scaffold612	28238	AA	GG	1940461090
SNP_P1_199103_28455	NW_004516037.1	Scaffold612	28455	GG	AA	1940461091
SNP_P1_199104_28543	NW_004516037.1	Scaffold612	28543	CC	TT	1940461092
SNP_P1_199106_28609	NW_004516037.1	Scaffold612	28609	TT	CC	1940461093
SNP_P1_199107_28678	NW_004516037.1	Scaffold612	28678	AA	CC	1940461094
SNP_P1_199108_28742	NW_004516037.1	Scaffold612	28742	AA	GG	1940461095
SNP_P1_199109_28852	NW_004516037.1	Scaffold612	28852	AA	GG	1940461096
SNP_P1_199110_28927	NW_004516037.1	Scaffold612	28927	AA	CC	1940461097
SNP_P1_199111_29090	NW_004516037.1	Scaffold612	29090	GG	AA	1940461098
SNP_P1_199112_29390	NW_004516037.1	Scaffold612	29390	AA	GG	1940461099
SNP_P1_199113_29412	NW_004516037.1	Scaffold612	29412	CC	GG	1940461100
SNP_P1_199114_30254	NW_004516037.1	Scaffold612	30254	TT	CC	1940461101
SNP_P1_199116_38665	NW_004516037.1	Scaffold612	38665	AA	GG	1940461102
SNP_P1_199117_38725	NW_004516037.1	Scaffold612	38725	GG	AA	1940461103
SNP_P1_199118_38732	NW_004516037.1	Scaffold612	38732	CC	TT	1940461104
SNP_P1_199119_38739	NW_004516037.1	Scaffold612	38739	AA	GG	1940461105
SNP_P1_199120_38956	NW_004516037.1	Scaffold612	38956	TT	CC	1940461106
SNP_P1_199121_38960	NW_004516037.1	Scaffold612	38960	GG	CC	1940461107
SNP_P1_199122_38973	NW_004516037.1	Scaffold612	38973	AA	TT	1940461108
SNP_P1_199123_39105	NW_004516037.1	Scaffold612	39105	AA	CC	1940461109
SNP_P1_199124_44714	NW_004516037.1	Scaffold612	44714	AA	TT	1940461110
SNP_P1_199125_1139	NW_004516038.1	Scaffold613	1139	TT	AA	1940461111
SNP_P1_199126_11470	NW_004516038.1	Scaffold613	11470	CC	AA	1940461112
SNP_P1_199127_11474	NW_004516038.1	Scaffold613	11474	AA	GG	1940461113
SNP_P1_199128_13517	NW_004516038.1	Scaffold613	13517	CC	AA	1940461114
SNP_P1_199129_13843	NW_004516038.1	Scaffold613	13843	AA	CC	1940461115
SNP_P1_199130_13848	NW_004516038.1	Scaffold613	13848	GG	TT	1940461116
SNP_P1_199131_13889	NW_004516038.1	Scaffold613	13889	CC	TT	1940461117
SNP_P1_199132_13899	NW_004516038.1	Scaffold613	13899	TT	CC	1940461118
SNP_P1_199133_23800	NW_004516038.1	Scaffold613	23800	GG	CC	1940461119
SNP_P1_199134_24694	NW_004516038.1	Scaffold613	24694	GG	AA	1940461120
SNP_P1_199135_37939	NW_004516038.1	Scaffold613	37939	AA	TT	1940461121
SNP_P1_199136_67911	NW_004516038.1	Scaffold613	67911	AA	GG	1940461122
SNP_P1_199137_78499	NW_004516038.1	Scaffold613	78499	TT	CC	1940461123
SNP_P1_199138_78545	NW_004516038.1	Scaffold613	78545	GG	AA	1940461124
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199142_79484	NW_004516038.1	Scaffold613	79484	GG	AA	1940461127
SNP_P1_199143_79801	NW_004516038.1	Scaffold613	79801	TT	CC	1940461128
SNP_P1_199144_457	NW_004516039.1	Scaffold614	457	TT	GG	1940461129
SNP_P1_199145_961	NW_004516041.1	Scaffold617	961	CC	TT	1940461130
SNP_P1_199146_1031	NW_004516041.1	Scaffold617	1031	TT	AA	1940461131
SNP_P1_199147_1060	NW_004516041.1	Scaffold617	1060	GG	CC	1940461132
SNP_P1_199148_1062	NW_004516041.1	Scaffold617	1062	TT	CC	1940461133
SNP_P1_199149_1092	NW_004516041.1	Scaffold617	1092	TT	GG	1940461134
SNP_P1_199150_1261	NW_004516041.1	Scaffold617	1261	AA	GG	1940461135
SNP_P1_199151_1498	NW_004516041.1	Scaffold617	1498	CC	TT	1940461136
SNP_P1_199152_1520	NW_004516041.1	Scaffold617	1520	TT	CC	1940461137
SNP_P1_199153_1636	NW_004516041.1	Scaffold617	1636	GG	AA	1940461138
SNP_P1_199154_1640	NW_004516041.1	Scaffold617	1640	AA	TT	1940461139
SNP_P1_199155_1925	NW_004516041.1	Scaffold617	1925	AA	GG	1940461140
SNP_P1_199156_1954	NW_004516041.1	Scaffold617	1954	CC	AA	1940461141
SNP_P1_199157_1975	NW_004516041.1	Scaffold617	1975	CC	AA	1940461142
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SNP_P1_199159_2019	NW_004516041.1	Scaffold617	2019	CC	TT	1940461144
SNP_P1_199160_5570	NW_004516041.1	Scaffold617	5570	GG	TT	1940461145
SNP_P1_199161_8351	NW_004516041.1	Scaffold617	8351	GG	TT	1940461146
SNP_P1_199162_8439	NW_004516041.1	Scaffold617	8439	GG	TT	1940461147
SNP_P1_199163_8565	NW_004516041.1	Scaffold617	8565	CC	TT	1940461148
SNP_P1_199164_8680	NW_004516041.1	Scaffold617	8680	AA	TT	1940461149
SNP_P1_199165_8702	NW_004516041.1	Scaffold617	8702	TT	CC	1940461150
SNP_P1_199166_8775	NW_004516041.1	Scaffold617	8775	TT	AA	1940461151
SNP_P1_199167_8847	NW_004516041.1	Scaffold617	8847	GG	AA	1940461152
SNP_P1_199168_8859	NW_004516041.1	Scaffold617	8859	TT	GG	1940461153
SNP_P1_199169_8869	NW_004516041.1	Scaffold617	8869	CC	AA	1940461154
SNP_P1_199170_8876	NW_004516041.1	Scaffold617	8876	AA	CC	1940461155
SNP_P1_199172_8901	NW_004516041.1	Scaffold617	8901	CC	AA	1940461156
SNP_P1_199173_8908	NW_004516041.1	Scaffold617	8908	CC	AA	1940461157
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SNP_P1_199175_9010	NW_004516041.1	Scaffold617	9010	AA	CC	1940461159
SNP_P1_199176_9042	NW_004516041.1	Scaffold617	9042	GG	AA	1940461160
SNP_P1_199177_9054	NW_004516041.1	Scaffold617	9054	TT	AA	1940461161
SNP_P1_199178_9127	NW_004516041.1	Scaffold617	9127	TT	CC	1940461162
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SNP_P1_199180_9835	NW_004516041.1	Scaffold617	9835	CC	AA	1940461164
SNP_P1_199181_1173	NW_004516042.1	Scaffold618	1173	AA	TT	1940461165
SNP_P1_199182_1292	NW_004516042.1	Scaffold618	1292	GG	AA	1940461166
SNP_P1_199183_5239	NW_004516042.1	Scaffold618	5239	AA	TT	1940461167

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199185_5395	NW_004516042.1	Scaffold618	5395	AA	GG	1940461169
SNP_P1_199186_5397	NW_004516042.1	Scaffold618	5397	AA	CC	1940461170
SNP_P1_199187_6775	NW_004516042.1	Scaffold618	6775	CC	GG	1940461171
SNP_P1_199188_7960	NW_004516042.1	Scaffold618	7960	TT	GG	1940461172
SNP_P1_199189_13249	NW_004516042.1	Scaffold618	13249	CC	AA	1940461173
SNP_P1_199190_13264	NW_004516042.1	Scaffold618	13264	TT	CC	1940461174
SNP_P1_199191_13285	NW_004516042.1	Scaffold618	13285	GG	AA	1940461175
SNP_P1_199192_13613	NW_004516042.1	Scaffold618	13613	GG	CC	1940461176
SNP_P1_199193_14219	NW_004516042.1	Scaffold618	14219	GG	AA	1940461177
SNP_P1_199194_14225	NW_004516042.1	Scaffold618	14225	TT	AA	1940461178
SNP_P1_199195_14227	NW_004516042.1	Scaffold618	14227	GG	AA	1940461179
SNP_P1_199196_14245	NW_004516042.1	Scaffold618	14245	AA	GG	1940461180
SNP_P1_199198_31756	NW_004516042.1	Scaffold618	31756	TT	GG	1940461181
SNP_P1_199199_55176	NW_004516042.1	Scaffold618	55176	AA	CC	1940461182
SNP_P1_199200_55232	NW_004516042.1	Scaffold618	55232	AA	GG	1940461183
SNP_P1_199201_55237	NW_004516042.1	Scaffold618	55237	AA	GG	1940461184
SNP_P1_199202_55264	NW_004516042.1	Scaffold618	55264	AA	GG	1940461185
SNP_P1_199203_57789	NW_004516042.1	Scaffold618	57789	AA	TT	1940461186
SNP_P1_199204_57801	NW_004516042.1	Scaffold618	57801	TT	CC	1940461187
SNP_P1_199205_57821	NW_004516042.1	Scaffold618	57821	CC	TT	1940461188
SNP_P1_199206_57822	NW_004516042.1	Scaffold618	57822	CC	TT	1940461189
SNP_P1_199207_57825	NW_004516042.1	Scaffold618	57825	TT	CC	1940461190
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SNP_P1_199209_58954	NW_004516042.1	Scaffold618	58954	TT	CC	1940461192
SNP_P1_199210_58973	NW_004516042.1	Scaffold618	58973	TT	CC	1940461193
SNP_P1_199211_58974	NW_004516042.1	Scaffold618	58974	AA	GG	1940461194
SNP_P1_199212_59084	NW_004516042.1	Scaffold618	59084	GG	AA	1940461195
SNP_P1_199213_59130	NW_004516042.1	Scaffold618	59130	CC	AA	1940461196
SNP_P1_199215_59434	NW_004516042.1	Scaffold618	59434	AA	TT	1940461197
SNP_P1_199216_59435	NW_004516042.1	Scaffold618	59435	CC	GG	1940461198
SNP_P1_199217_59447	NW_004516042.1	Scaffold618	59447	TT	AA	1940461199
SNP_P1_199218_59502	NW_004516042.1	Scaffold618	59502	TT	CC	1940461200
SNP_P1_199219_59506	NW_004516042.1	Scaffold618	59506	TT	CC	1940461201
SNP_P1_199220_59559	NW_004516042.1	Scaffold618	59559	AA	GG	1940461202
SNP_P1_199221_60608	NW_004516042.1	Scaffold618	60608	TT	CC	1940461203
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SNP_P1_199223_62284	NW_004516042.1	Scaffold618	62284	TT	CC	1940461205
SNP_P1_199224_80261	NW_004516042.1	Scaffold618	80261	AA	GG	1940461206
SNP_P1_199226_86264	NW_004516042.1	Scaffold618	86264	TT	CC	1940461207
SNP_P1_199227_131263	NW_004516042.1	Scaffold618	131263	AA	CC	1940461208
SNP_P1_199228_147066	NW_004516042.1	Scaffold618	147066	TT	GG	1940461209

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SNP_P1_199230_147139	NW_004516042.1	Scaffold618	147139	CC	AA	1940461211
SNP_P1_199231_147163	NW_004516042.1	Scaffold618	147163	AA	GG	1940461212
SNP_P1_199232_147454	NW_004516042.1	Scaffold618	147454	AA	GG	1940461213
SNP_P1_199233_147474	NW_004516042.1	Scaffold618	147474	GG	AA	1940461214
SNP_P1_199234_147489	NW_004516042.1	Scaffold618	147489	AA	GG	1940461215
SNP_P1_199235_147492	NW_004516042.1	Scaffold618	147492	AA	TT	1940461216
SNP_P1_199236_147514	NW_004516042.1	Scaffold618	147514	AA	CC	1940461217
SNP_P1_199237_147535	NW_004516042.1	Scaffold618	147535	TT	GG	1940461218
SNP_P1_199238_147563	NW_004516042.1	Scaffold618	147563	AA	GG	1940461220
SNP_P1_199239_147595	NW_004516042.1	Scaffold618	147595	AA	CC	1940461221
SNP_P1_199240_153000	NW_004516042.1	Scaffold618	153000	CC	TT	1940461222
SNP_P1_199241_164687	NW_004516042.1	Scaffold618	164687	CC	TT	1940461223
SNP_P1_199243_194391	NW_004516042.1	Scaffold618	194391	CC	AA	1940461224
SNP_P1_199245_216313	NW_004516042.1	Scaffold618	216313	TT	CC	1940461225
SNP_P1_199246_216482	NW_004516042.1	Scaffold618	216482	GG	TT	1940461226
SNP_P1_199247_216624	NW_004516042.1	Scaffold618	216624	GG	TT	1940461227
SNP_P1_199248_216646	NW_004516042.1	Scaffold618	216646	AA	GG	1940461228
SNP_P1_199249_218321	NW_004516042.1	Scaffold618	218321	GG	AA	1940461229
SNP_P1_199250_34488	NW_004516043.1	Scaffold619	34488	TT	CC	1940461230
SNP_P1_199251_34490	NW_004516043.1	Scaffold619	34490	TT	GG	1940461231
SNP_P1_199253_46871	NW_004516043.1	Scaffold619	46871	AA	CC	1940461232
SNP_P1_199254_47128	NW_004516043.1	Scaffold619	47128	GG	CC	1940461233
SNP_P1_199255_47140	NW_004516043.1	Scaffold619	47140	AA	CC	1940461234
SNP_P1_199256_88	NW_004516044.1	Scaffold620	88	AA	TT	1940461235
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SNP_P1_199258_1134	NW_004516045.1	Scaffold622	1134	GG	CC	1940461237
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SNP_P1_199260_2894	NW_004516045.1	Scaffold622	2894	GG	AA	1940461239
SNP_P1_199261_4660	NW_004516045.1	Scaffold622	4660	TT	AA	1940461240
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SNP_P1_199263_7544	NW_004516045.1	Scaffold622	7544	AA	GG	1940461242
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SNP_P1_199265_8108	NW_004516045.1	Scaffold622	8108	TT	GG	1940461244
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SNP_P1_199267_8150	NW_004516045.1	Scaffold622	8150	CC	TT	1940461246
SNP_P1_199268_8163	NW_004516045.1	Scaffold622	8163	GG	TT	1940461247
SNP_P1_199269_8165	NW_004516045.1	Scaffold622	8165	AA	TT	1940461248
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SNP_P1_199271_8591	NW_004516045.1	Scaffold622	8591	TT	AA	1940461250
SNP_P1_199272_8597	NW_004516045.1	Scaffold622	8597	TT	GG	1940461251
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SNP_P1_199276_9377	NW_004516045.1	Scaffold622	9377	GG	AA	1940461255
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SNP_P1_199278_9826	NW_004516045.1	Scaffold622	9826	AA	GG	1940461257
SNP_P1_199279_10064	NW_004516045.1	Scaffold622	10064	AA	GG	1940461258
SNP_P1_199281_10320	NW_004516045.1	Scaffold622	10320	CC	GG	1940461259
SNP_P1_199283_10460	NW_004516045.1	Scaffold622	10460	AA	TT	1940461260
SNP_P1_199284_10481	NW_004516045.1	Scaffold622	10481	GG	CC	1940461261
SNP_P1_199285_10496	NW_004516045.1	Scaffold622	10496	CC	TT	1940461262
SNP_P1_199286_10552	NW_004516045.1	Scaffold622	10552	CC	GG	1940461263
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SNP_P1_199288_10835	NW_004516045.1	Scaffold622	10835	TT	AA	1940461265
SNP_P1_199289_12568	NW_004516045.1	Scaffold622	12568	GG	TT	1940461266
SNP_P1_199290_20974	NW_004516045.1	Scaffold622	20974	TT	CC	1940461267
SNP_P1_199291_20984	NW_004516045.1	Scaffold622	20984	AA	GG	1940461268
SNP_P1_199292_21010	NW_004516045.1	Scaffold622	21010	TT	AA	1940461269
SNP_P1_199293_22495	NW_004516045.1	Scaffold622	22495	CC	GG	1940461270
SNP_P1_199294_22571	NW_004516045.1	Scaffold622	22571	GG	TT	1940461271
SNP_P1_199295_23185	NW_004516045.1	Scaffold622	23185	AA	GG	1940461272
SNP_P1_199296_23478	NW_004516045.1	Scaffold622	23478	AA	CC	1940461273
SNP_P1_199297_23541	NW_004516045.1	Scaffold622	23541	AA	GG	1940461274
SNP_P1_199298_24165	NW_004516045.1	Scaffold622	24165	GG	AA	1940461275
SNP_P1_199299_24197	NW_004516045.1	Scaffold622	24197	AA	GG	1940461276
SNP_P1_199300_24317	NW_004516045.1	Scaffold622	24317	GG	TT	1940461277
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SNP_P1_199302_24598	NW_004516045.1	Scaffold622	24598	AA	GG	1940461279
SNP_P1_199303_24639	NW_004516045.1	Scaffold622	24639	GG	CC	1940461280
SNP_P1_199304_24737	NW_004516045.1	Scaffold622	24737	AA	GG	1940461281
SNP_P1_199305_24745	NW_004516045.1	Scaffold622	24745	AA	CC	1940461282
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SNP_P1_199309_25331	NW_004516045.1	Scaffold622	25331	TT	AA	1940461286
SNP_P1_199310_25342	NW_004516045.1	Scaffold622	25342	CC	AA	1940461287
SNP_P1_199311_25345	NW_004516045.1	Scaffold622	25345	TT	AA	1940461288
SNP_P1_199312_25380	NW_004516045.1	Scaffold622	25380	CC	TT	1940461289
SNP_P1_199313_25535	NW_004516045.1	Scaffold622	25535	GG	CC	1940461290
SNP_P1_199314_25541	NW_004516045.1	Scaffold622	25541	TT	CC	1940461291
SNP_P1_199315_25698	NW_004516045.1	Scaffold622	25698	GG	TT	1940461292
SNP_P1_199316_26069	NW_004516045.1	Scaffold622	26069	AA	GG	1940461293
SNP_P1_199317_26304	NW_004516045.1	Scaffold622	26304	TT	CC	1940461294

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199319_26605	NW_004516045.1	Scaffold622	26605	CC	AA	1940461296
SNP_P1_199320_26613	NW_004516045.1	Scaffold622	26613	CC	TT	1940461297
SNP_P1_199321_26634	NW_004516045.1	Scaffold622	26634	TT	CC	1940461298
SNP_P1_199322_26860	NW_004516045.1	Scaffold622	26860	TT	CC	1940461299
SNP_P1_199324_30918	NW_004516045.1	Scaffold622	30918	TT	CC	1940461300
SNP_P1_199325_31042	NW_004516045.1	Scaffold622	31042	TT	GG	1940461301
SNP_P1_199326_31199	NW_004516045.1	Scaffold622	31199	GG	CC	1940461302
SNP_P1_199327_31288	NW_004516045.1	Scaffold622	31288	CC	AA	1940461303
SNP_P1_199328_31309	NW_004516045.1	Scaffold622	31309	TT	GG	1940461304
SNP_P1_199329_31322	NW_004516045.1	Scaffold622	31322	TT	AA	1940461305
SNP_P1_199330_31343	NW_004516045.1	Scaffold622	31343	GG	CC	1940461306
SNP_P1_199331_34950	NW_004516045.1	Scaffold622	34950	GG	CC	1940461307
SNP_P1_199332_35273	NW_004516045.1	Scaffold622	35273	AA	GG	1940461308
SNP_P1_199333_35293	NW_004516045.1	Scaffold622	35293	GG	CC	1940461309
SNP_P1_199334_35296	NW_004516045.1	Scaffold622	35296	TT	CC	1940461310
SNP_P1_199335_35325	NW_004516045.1	Scaffold622	35325	TT	AA	1940461311
SNP_P1_199336_35823	NW_004516045.1	Scaffold622	35823	TT	CC	1940461312
SNP_P1_199337_35866	NW_004516045.1	Scaffold622	35866	AA	TT	1940461313
SNP_P1_199338_35894	NW_004516045.1	Scaffold622	35894	AA	CC	1940461314
SNP_P1_199339_35984	NW_004516045.1	Scaffold622	35984	CC	TT	1940461315
SNP_P1_199340_36082	NW_004516045.1	Scaffold622	36082	CC	GG	1940461316
SNP_P1_199341_36091	NW_004516045.1	Scaffold622	36091	AA	TT	1940461317
SNP_P1_199342_36135	NW_004516045.1	Scaffold622	36135	TT	CC	1940461318
SNP_P1_199343_36138	NW_004516045.1	Scaffold622	36138	GG	TT	1940461319
SNP_P1_199344_36187	NW_004516045.1	Scaffold622	36187	GG	CC	1940461320
SNP_P1_199345_36212	NW_004516045.1	Scaffold622	36212	AA	TT	1940461321
SNP_P1_199346_36278	NW_004516045.1	Scaffold622	36278	GG	CC	1940461322
SNP_P1_199347_36621	NW_004516045.1	Scaffold622	36621	GG	AA	1940461323
SNP_P1_199350_38690	NW_004516045.1	Scaffold622	38690	GG	TT	1940461324
SNP_P1_199351_38962	NW_004516045.1	Scaffold622	38962	AA	GG	1940461325
SNP_P1_199352_40596	NW_004516045.1	Scaffold622	40596	CC	TT	1940461326
SNP_P1_199353_40747	NW_004516045.1	Scaffold622	40747	GG	AA	1940461327
SNP_P1_199354_41115	NW_004516045.1	Scaffold622	41115	TT	GG	1940461328
SNP_P1_199355_41253	NW_004516045.1	Scaffold622	41253	TT	AA	1940461329
SNP_P1_199356_41363	NW_004516045.1	Scaffold622	41363	GG	AA	1940461330
SNP_P1_199357_41402	NW_004516045.1	Scaffold622	41402	CC	GG	1940461331
SNP_P1_199358_41460	NW_004516045.1	Scaffold622	41460	AA	GG	1940461332
SNP_P1_199359_41674	NW_004516045.1	Scaffold622	41674	TT	GG	1940461333
SNP_P1_199361_44506	NW_004516045.1	Scaffold622	44506	TT	AA	1940461334
SNP_P1_199362_44565	NW_004516045.1	Scaffold622	44565	AA	GG	1940461335
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199365_45308	NW_004516045.1	Scaffold622	45308	TT	CC	1940461338
SNP_P1_199366_45337	NW_004516045.1	Scaffold622	45337	AA	TT	1940461339
SNP_P1_199367_45565	NW_004516045.1	Scaffold622	45565	AA	CC	1940461340
SNP_P1_199368_45810	NW_004516045.1	Scaffold622	45810	TT	AA	1940461341
SNP_P1_199369_45948	NW_004516045.1	Scaffold622	45948	TT	AA	1940461342
SNP_P1_199371_46146	NW_004516045.1	Scaffold622	46146	TT	GG	1940461343
SNP_P1_199372_46147	NW_004516045.1	Scaffold622	46147	TT	GG	1940461344
SNP_P1_199373_46210	NW_004516045.1	Scaffold622	46210	CC	TT	1940461345
SNP_P1_199374_47878	NW_004516045.1	Scaffold622	47878	AA	TT	1940461346
SNP_P1_199375_47999	NW_004516045.1	Scaffold622	47999	CC	AA	1940461347
SNP_P1_199376_48004	NW_004516045.1	Scaffold622	48004	GG	AA	1940461348
SNP_P1_199377_48012	NW_004516045.1	Scaffold622	48012	TT	AA	1940461349
SNP_P1_199378_48048	NW_004516045.1	Scaffold622	48048	CC	GG	1940461350
SNP_P1_199379_48180	NW_004516045.1	Scaffold622	48180	GG	AA	1940461351
SNP_P1_199381_48271	NW_004516045.1	Scaffold622	48271	TT	GG	1940461352
SNP_P1_199382_48306	NW_004516045.1	Scaffold622	48306	TT	AA	1940461353
SNP_P1_199383_48618	NW_004516045.1	Scaffold622	48618	GG	CC	1940461354
SNP_P1_199384_48851	NW_004516045.1	Scaffold622	48851	TT	AA	1940461355
SNP_P1_199385_48910	NW_004516045.1	Scaffold622	48910	CC	AA	1940461357
SNP_P1_199386_48925	NW_004516045.1	Scaffold622	48925	CC	AA	1940461358
SNP_P1_199387_56408	NW_004516045.1	Scaffold622	56408	AA	TT	1940461359
SNP_P1_199388_56577	NW_004516045.1	Scaffold622	56577	AA	CC	1940461360
SNP_P1_199389_56846	NW_004516045.1	Scaffold622	56846	CC	TT	1940461361
SNP_P1_199390_56869	NW_004516045.1	Scaffold622	56869	CC	GG	1940461362
SNP_P1_199391_57062	NW_004516045.1	Scaffold622	57062	GG	TT	1940461363
SNP_P1_199392_57087	NW_004516045.1	Scaffold622	57087	AA	TT	1940461364
SNP_P1_199393_57101	NW_004516045.1	Scaffold622	57101	CC	GG	1940461365
SNP_P1_199394_57121	NW_004516045.1	Scaffold622	57121	AA	TT	1940461366
SNP_P1_199395_57125	NW_004516045.1	Scaffold622	57125	AA	CC	1940461367
SNP_P1_199396_57279	NW_004516045.1	Scaffold622	57279	AA	GG	1940461368
SNP_P1_199397_59774	NW_004516045.1	Scaffold622	59774	TT	AA	1940461369
SNP_P1_199398_59799	NW_004516045.1	Scaffold622	59799	AA	GG	1940461370
SNP_P1_199399_59813	NW_004516045.1	Scaffold622	59813	CC	AA	1940461371
SNP_P1_199400_59838	NW_004516045.1	Scaffold622	59838	AA	GG	1940461372
SNP_P1_199401_59881	NW_004516045.1	Scaffold622	59881	CC	GG	1940461373
SNP_P1_199402_59951	NW_004516045.1	Scaffold622	59951	AA	GG	1940461374
SNP_P1_199403_59973	NW_004516045.1	Scaffold622	59973	AA	TT	1940461375
SNP_P1_199404_60038	NW_004516045.1	Scaffold622	60038	TT	GG	1940461376
SNP_P1_199405_61628	NW_004516045.1	Scaffold622	61628	TT	CC	1940461377
SNP_P1_199406_61629	NW_004516045.1	Scaffold622	61629	GG	TT	1940461378
SNP_P1_199407_61637	NW_004516045.1	Scaffold622	61637	CC	TT	1940461379

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199410_62985	NW_004516045.1	Scaffold622	62985	GG	AA	1940461381
SNP_P1_199411_63438	NW_004516045.1	Scaffold622	63438	AA	GG	1940461382
SNP_P1_199412_63863	NW_004516045.1	Scaffold622	63863	AA	GG	1940461383
SNP_P1_199413_63889	NW_004516045.1	Scaffold622	63889	GG	AA	1940461384
SNP_P1_199414_64090	NW_004516045.1	Scaffold622	64090	AA	GG	1940461385
SNP_P1_199415_64352	NW_004516045.1	Scaffold622	64352	GG	CC	1940461386
SNP_P1_199416_64439	NW_004516045.1	Scaffold622	64439	GG	CC	1940461387
SNP_P1_199417_64484	NW_004516045.1	Scaffold622	64484	GG	AA	1940461388
SNP_P1_199418_66379	NW_004516045.1	Scaffold622	66379	CC	AA	1940461389
SNP_P1_199419_67898	NW_004516045.1	Scaffold622	67898	CC	TT	1940461390
SNP_P1_199420_68551	NW_004516045.1	Scaffold622	68551	TT	AA	1940461391
SNP_P1_199421_68627	NW_004516045.1	Scaffold622	68627	TT	CC	1940461392
SNP_P1_199422_68912	NW_004516045.1	Scaffold622	68912	AA	TT	1940461393
SNP_P1_199423_69329	NW_004516045.1	Scaffold622	69329	GG	CC	1940461394
SNP_P1_199424_70946	NW_004516045.1	Scaffold622	70946	TT	AA	1940461395
SNP_P1_199425_71693	NW_004516045.1	Scaffold622	71693	GG	CC	1940461396
SNP_P1_199426_71732	NW_004516045.1	Scaffold622	71732	AA	GG	1940461397
SNP_P1_199427_71952	NW_004516045.1	Scaffold622	71952	AA	CC	1940461398
SNP_P1_199428_71958	NW_004516045.1	Scaffold622	71958	TT	GG	1940461399
SNP_P1_199429_72180	NW_004516045.1	Scaffold622	72180	AA	CC	1940461400
SNP_P1_199430_72181	NW_004516045.1	Scaffold622	72181	CC	TT	1940461401
SNP_P1_199431_72306	NW_004516045.1	Scaffold622	72306	AA	GG	1940461402
SNP_P1_199432_72813	NW_004516045.1	Scaffold622	72813	AA	GG	1940461403
SNP_P1_199433_73322	NW_004516045.1	Scaffold622	73322	CC	AA	1940461404
SNP_P1_199434_73350	NW_004516045.1	Scaffold622	73350	AA	GG	1940461405
SNP_P1_199435_73721	NW_004516045.1	Scaffold622	73721	CC	GG	1940461406
SNP_P1_199436_75769	NW_004516045.1	Scaffold622	75769	GG	AA	1940461407
SNP_P1_199437_75996	NW_004516045.1	Scaffold622	75996	TT	AA	1940461408
SNP_P1_199438_76030	NW_004516045.1	Scaffold622	76030	CC	TT	1940461409
SNP_P1_199439_77548	NW_004516045.1	Scaffold622	77548	CC	TT	1940461410
SNP_P1_199441_79417	NW_004516045.1	Scaffold622	79417	TT	GG	1940461411
SNP_P1_199442_81839	NW_004516045.1	Scaffold622	81839	TT	AA	1940461412
SNP_P1_199443_82014	NW_004516045.1	Scaffold622	82014	CC	GG	1940461413
SNP_P1_199444_82199	NW_004516045.1	Scaffold622	82199	GG	CC	1940461414
SNP_P1_199445_83352	NW_004516045.1	Scaffold622	83352	AA	CC	1940461415
SNP_P1_199446_83659	NW_004516045.1	Scaffold622	83659	CC	TT	1940461416
SNP_P1_199447_84185	NW_004516045.1	Scaffold622	84185	AA	TT	1940461417
SNP_P1_199448_84260	NW_004516045.1	Scaffold622	84260	TT	GG	1940461418
SNP_P1_199449_84647	NW_004516045.1	Scaffold622	84647	TT	AA	1940461419
SNP_P1_199450_84689	NW_004516045.1	Scaffold622	84689	TT	CC	1940461420
SNP_P1_199451_86025	NW_004516045.1	Scaffold622	86025	TT	CC	1940461421

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SNP_P1_199453_86287	NW_004516045.1	Scaffold622	86287	AA	GG	1940461423
SNP_P1_199454_87037	NW_004516045.1	Scaffold622	87037	AA	CC	1940461424
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SNP_P1_199456_87057	NW_004516045.1	Scaffold622	87057	TT	CC	1940461426
SNP_P1_199457_87263	NW_004516045.1	Scaffold622	87263	CC	GG	1940461427
SNP_P1_199458_87311	NW_004516045.1	Scaffold622	87311	AA	TT	1940461428
SNP_P1_199459_88873	NW_004516045.1	Scaffold622	88873	TT	AA	1940461429
SNP_P1_199460_89090	NW_004516045.1	Scaffold622	89090	TT	GG	1940461430
SNP_P1_199461_89360	NW_004516045.1	Scaffold622	89360	AA	CC	1940461431
SNP_P1_199462_89658	NW_004516045.1	Scaffold622	89658	AA	TT	1940461432
SNP_P1_199463_89797	NW_004516045.1	Scaffold622	89797	TT	AA	1940461433
SNP_P1_199464_89798	NW_004516045.1	Scaffold622	89798	AA	TT	1940461434
SNP_P1_199465_89853	NW_004516045.1	Scaffold622	89853	TT	GG	1940461435
SNP_P1_199466_89857	NW_004516045.1	Scaffold622	89857	AA	GG	1940461436
SNP_P1_199467_823	NW_004516046.1	Scaffold623	823	CC	TT	1940461437
SNP_P1_199468_5901	NW_004516047.1	Scaffold624	5901	CC	AA	1940461438
SNP_P1_199469_9589	NW_004516047.1	Scaffold624	9589	AA	GG	1940461439
SNP_P1_199470_9605	NW_004516047.1	Scaffold624	9605	TT	AA	1940461440
SNP_P1_199472_10415	NW_004516047.1	Scaffold624	10415	AA	CC	1940461441
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SNP_P1_199474_14991	NW_004516047.1	Scaffold624	14991	AA	CC	1940461443
SNP_P1_199475_15238	NW_004516047.1	Scaffold624	15238	TT	CC	1940461444
SNP_P1_199476_15322	NW_004516047.1	Scaffold624	15322	AA	CC	1940461445
SNP_P1_199477_19570	NW_004516047.1	Scaffold624	19570	TT	AA	1940461446
SNP_P1_199478_35578	NW_004516047.1	Scaffold624	35578	AA	CC	1940461447
SNP_P1_199479_58210	NW_004516047.1	Scaffold624	58210	GG	AA	1940461448
SNP_P1_199480_58238	NW_004516047.1	Scaffold624	58238	TT	CC	1940461449
SNP_P1_199481_66983	NW_004516047.1	Scaffold624	66983	AA	GG	1940461450
SNP_P1_199482_67565	NW_004516047.1	Scaffold624	67565	AA	TT	1940461451
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SNP_P1_199484_68481	NW_004516047.1	Scaffold624	68481	TT	CC	1940461453
SNP_P1_199485_69912	NW_004516047.1	Scaffold624	69912	CC	AA	1940461454
SNP_P1_199486_69913	NW_004516047.1	Scaffold624	69913	GG	TT	1940461455
SNP_P1_199487_69939	NW_004516047.1	Scaffold624	69939	CC	TT	1940461456
SNP_P1_199488_69941	NW_004516047.1	Scaffold624	69941	AA	TT	1940461457
SNP_P1_199489_69942	NW_004516047.1	Scaffold624	69942	TT	GG	1940461458
SNP_P1_199490_70057	NW_004516047.1	Scaffold624	70057	GG	CC	1940461459
SNP_P1_199491_70232	NW_004516047.1	Scaffold624	70232	AA	CC	1940461460
SNP_P1_199492_70328	NW_004516047.1	Scaffold624	70328	GG	AA	1940461461
SNP_P1_199493_70393	NW_004516047.1	Scaffold624	70393	AA	CC	1940461462
SNP_P1_199494_70404	NW_004516047.1	Scaffold624	70404	TT	GG	1940461463

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199496_71974	NW_004516047.1	Scaffold624	71974	TT	CC	1940461465
SNP_P1_199497_112228	NW_004516047.1	Scaffold624	112228	TT	GG	1940461466
SNP_P1_199498_112337	NW_004516047.1	Scaffold624	112337	GG	AA	1940461467
SNP_P1_199499_112419	NW_004516047.1	Scaffold624	112419	GG	AA	1940461468
SNP_P1_199500_112523	NW_004516047.1	Scaffold624	112523	AA	GG	1940461469
SNP_P1_199501_112596	NW_004516047.1	Scaffold624	112596	CC	TT	1940461470
SNP_P1_199502_124625	NW_004516047.1	Scaffold624	124625	TT	AA	1940461471
SNP_P1_199503_136886	NW_004516047.1	Scaffold624	136886	GG	CC	1940461472
SNP_P1_199504_136887	NW_004516047.1	Scaffold624	136887	AA	CC	1940461473
SNP_P1_199505_136904	NW_004516047.1	Scaffold624	136904	CC	TT	1940461474
SNP_P1_199506_136933	NW_004516047.1	Scaffold624	136933	GG	AA	1940461475
SNP_P1_199507_149069	NW_004516047.1	Scaffold624	149069	CC	TT	1940461476
SNP_P1_199508_159713	NW_004516047.1	Scaffold624	159713	GG	TT	1940461477
SNP_P1_199509_170023	NW_004516047.1	Scaffold624	170023	GG	TT	1940461478
SNP_P1_199510_171955	NW_004516047.1	Scaffold624	171955	CC	GG	1940461479
SNP_P1_199511_171966	NW_004516047.1	Scaffold624	171966	AA	GG	1940461480
SNP_P1_199512_171969	NW_004516047.1	Scaffold624	171969	GG	AA	1940461481
SNP_P1_199513_171988	NW_004516047.1	Scaffold624	171988	TT	GG	1940461482
SNP_P1_199514_171996	NW_004516047.1	Scaffold624	171996	CC	AA	1940461483
SNP_P1_199515_187660	NW_004516047.1	Scaffold624	187660	CC	AA	1940461484
SNP_P1_199516_187688	NW_004516047.1	Scaffold624	187688	GG	AA	1940461485
SNP_P1_199517_187702	NW_004516047.1	Scaffold624	187702	TT	CC	1940461486
SNP_P1_199518_188070	NW_004516047.1	Scaffold624	188070	GG	AA	1940461487
SNP_P1_199519_188162	NW_004516047.1	Scaffold624	188162	GG	AA	1940461488
SNP_P1_199520_188201	NW_004516047.1	Scaffold624	188201	GG	AA	1940461489
SNP_P1_199521_188267	NW_004516047.1	Scaffold624	188267	CC	TT	1940461490
SNP_P1_199522_188285	NW_004516047.1	Scaffold624	188285	TT	CC	1940461491
SNP_P1_199523_190875	NW_004516047.1	Scaffold624	190875	TT	CC	1940461492
SNP_P1_199524_190904	NW_004516047.1	Scaffold624	190904	CC	TT	1940461493
SNP_P1_199525_204075	NW_004516047.1	Scaffold624	204075	AA	GG	1940461494
SNP_P1_199526_238331	NW_004516047.1	Scaffold624	238331	TT	CC	1940461495
SNP_P1_199527_240657	NW_004516047.1	Scaffold624	240657	CC	TT	1940461496
SNP_P1_199528_242267	NW_004516047.1	Scaffold624	242267	CC	TT	1940461497
SNP_P1_199529_244253	NW_004516047.1	Scaffold624	244253	CC	AA	1940461498
SNP_P1_199530_254971	NW_004516047.1	Scaffold624	254971	GG	AA	1940461499
SNP_P1_199531_255354	NW_004516047.1	Scaffold624	255354	CC	TT	1940461500
SNP_P1_199532_255402	NW_004516047.1	Scaffold624	255402	AA	GG	1940461501
SNP_P1_199533_255452	NW_004516047.1	Scaffold624	255452	AA	GG	1940461502
SNP_P1_199534_255835	NW_004516047.1	Scaffold624	255835	CC	AA	1940461503
SNP_P1_199535_255848	NW_004516047.1	Scaffold624	255848	AA	CC	1940461504
SNP_P1_199536_255878	NW_004516047.1	Scaffold624	255878	AA	GG	1940461505

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199538_255912	NW_004516047.1	Scaffold624	255912	GG	CC	1940461507
SNP_P1_199539_255920	NW_004516047.1	Scaffold624	255920	GG	AA	1940461508
SNP_P1_199540_256625	NW_004516047.1	Scaffold624	256625	GG	AA	1940461509
SNP_P1_199541_265764	NW_004516047.1	Scaffold624	265764	TT	GG	1940461510
SNP_P1_199542_286283	NW_004516047.1	Scaffold624	286283	GG	AA	1940461511
SNP_P1_199543_307920	NW_004516047.1	Scaffold624	307920	AA	CC	1940461512
SNP_P1_199544_310375	NW_004516047.1	Scaffold624	310375	AA	TT	1940461514
SNP_P1_199545_310377	NW_004516047.1	Scaffold624	310377	CC	AA	1940461515
SNP_P1_199546_310390	NW_004516047.1	Scaffold624	310390	AA	TT	1940461516
SNP_P1_199547_369	NW_004516048.1	Scaffold625	369	AA	CC	1940461517
SNP_P1_199548_7041	NW_004516048.1	Scaffold625	7041	AA	GG	1940461518
SNP_P1_199549_24814	NW_004516048.1	Scaffold625	24814	GG	AA	1940461519
SNP_P1_199550_25161	NW_004516048.1	Scaffold625	25161	CC	TT	1940461520
SNP_P1_199551_27070	NW_004516048.1	Scaffold625	27070	CC	GG	1940461521
SNP_P1_199552_4441	NW_004516049.1	Scaffold626	4441	GG	AA	1940461522
SNP_P1_199553_5455	NW_004516049.1	Scaffold626	5455	TT	AA	1940461523
SNP_P1_199554_5489	NW_004516049.1	Scaffold626	5489	AA	TT	1940461524
SNP_P1_199555_6009	NW_004516049.1	Scaffold626	6009	AA	GG	1940461525
SNP_P1_199556_6082	NW_004516049.1	Scaffold626	6082	AA	GG	1940461526
SNP_P1_199557_6102	NW_004516049.1	Scaffold626	6102	AA	TT	1940461527
SNP_P1_199558_6165	NW_004516049.1	Scaffold626	6165	AA	GG	1940461528
SNP_P1_199559_6446	NW_004516049.1	Scaffold626	6446	AA	TT	1940461529
SNP_P1_199560_6454	NW_004516049.1	Scaffold626	6454	CC	TT	1940461530
SNP_P1_199561_6481	NW_004516049.1	Scaffold626	6481	TT	CC	1940461531
SNP_P1_199562_6543	NW_004516049.1	Scaffold626	6543	AA	GG	1940461532
SNP_P1_199563_6715	NW_004516049.1	Scaffold626	6715	TT	GG	1940461533
SNP_P1_199564_12137	NW_004516049.1	Scaffold626	12137	TT	AA	1940461534
SNP_P1_199565_12357	NW_004516049.1	Scaffold626	12357	CC	TT	1940461535
SNP_P1_199566_12517	NW_004516049.1	Scaffold626	12517	GG	CC	1940461536
SNP_P1_199567_12531	NW_004516049.1	Scaffold626	12531	AA	GG	1940461537
SNP_P1_199568_16586	NW_004516049.1	Scaffold626	16586	CC	GG	1940461538
SNP_P1_199569_18150	NW_004516049.1	Scaffold626	18150	CC	TT	1940461539
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SNP_P1_199571_18188	NW_004516049.1	Scaffold626	18188	TT	CC	1940461541
SNP_P1_199572_18222	NW_004516049.1	Scaffold626	18222	GG	AA	1940461542
SNP_P1_199573_18232	NW_004516049.1	Scaffold626	18232	TT	GG	1940461543
SNP_P1_199574_18237	NW_004516049.1	Scaffold626	18237	TT	AA	1940461544
SNP_P1_199575_18519	NW_004516049.1	Scaffold626	18519	GG	AA	1940461545
SNP_P1_199576_18525	NW_004516049.1	Scaffold626	18525	TT	AA	1940461546
SNP_P1_199577_18602	NW_004516049.1	Scaffold626	18602	TT	CC	1940461547
SNP_P1_199578_19261	NW_004516049.1	Scaffold626	19261	CC	AA	1940461548

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199581_19326	NW_004516049.1	Scaffold626	19326	CC	AA	1940461551
SNP_P1_199582_19336	NW_004516049.1	Scaffold626	19336	GG	AA	1940461552
SNP_P1_199583_19351	NW_004516049.1	Scaffold626	19351	AA	GG	1940461553
SNP_P1_199584_23815	NW_004516049.1	Scaffold626	23815	TT	CC	1940461554
SNP_P1_199585_23845	NW_004516049.1	Scaffold626	23845	CC	TT	1940461555
SNP_P1_199586_23952	NW_004516049.1	Scaffold626	23952	AA	CC	1940461556
SNP_P1_199587_24073	NW_004516049.1	Scaffold626	24073	TT	CC	1940461557
SNP_P1_199588_27405	NW_004516049.1	Scaffold626	27405	AA	GG	1940461558
SNP_P1_199589_27884	NW_004516049.1	Scaffold626	27884	TT	GG	1940461559
SNP_P1_199590_28209	NW_004516049.1	Scaffold626	28209	AA	GG	1940461560
SNP_P1_199591_48246	NW_004516049.1	Scaffold626	48246	AA	CC	1940461561
SNP_P1_199592_48267	NW_004516049.1	Scaffold626	48267	TT	CC	1940461562
SNP_P1_199593_48269	NW_004516049.1	Scaffold626	48269	GG	AA	1940461563
SNP_P1_199594_48270	NW_004516049.1	Scaffold626	48270	TT	CC	1940461564
SNP_P1_199595_48282	NW_004516049.1	Scaffold626	48282	TT	AA	1940461565
SNP_P1_199596_48476	NW_004516049.1	Scaffold626	48476	TT	CC	1940461566
SNP_P1_199597_48653	NW_004516049.1	Scaffold626	48653	GG	TT	1940461567
SNP_P1_199598_55481	NW_004516049.1	Scaffold626	55481	AA	CC	1940461568
SNP_P1_199599_55490	NW_004516049.1	Scaffold626	55490	TT	CC	1940461569
SNP_P1_199600_55584	NW_004516049.1	Scaffold626	55584	CC	TT	1940461570
SNP_P1_199601_55846	NW_004516049.1	Scaffold626	55846	GG	AA	1940461571
SNP_P1_199602_55852	NW_004516049.1	Scaffold626	55852	AA	GG	1940461572
SNP_P1_199603_60404	NW_004516049.1	Scaffold626	60404	TT	CC	1940461573
SNP_P1_199606_65998	NW_004516049.1	Scaffold626	65998	GG	CC	1940461574
SNP_P1_199607_70263	NW_004516049.1	Scaffold626	70263	TT	GG	1940461575
SNP_P1_199608_79597	NW_004516049.1	Scaffold626	79597	GG	CC	1940461576
SNP_P1_199609_82117	NW_004516049.1	Scaffold626	82117	GG	TT	1940461577
SNP_P1_199610_85568	NW_004516049.1	Scaffold626	85568	CC	GG	1940461578
SNP_P1_199611_91525	NW_004516049.1	Scaffold626	91525	TT	AA	1940461579
SNP_P1_199612_92919	NW_004516049.1	Scaffold626	92919	CC	TT	1940461580
SNP_P1_199614_94378	NW_004516049.1	Scaffold626	94378	TT	GG	1940461581
SNP_P1_199615_94448	NW_004516049.1	Scaffold626	94448	TT	GG	1940461582
SNP_P1_199617_94583	NW_004516049.1	Scaffold626	94583	TT	GG	1940461583
SNP_P1_199618_94600	NW_004516049.1	Scaffold626	94600	TT	AA	1940461584
SNP_P1_199619_99336	NW_004516049.1	Scaffold626	99336	CC	GG	1940461585
SNP_P1_199620_100390	NW_004516049.1	Scaffold626	100390	AA	CC	1940461586
SNP_P1_199621_100399	NW_004516049.1	Scaffold626	100399	AA	CC	1940461587
SNP_P1_199622_100462	NW_004516049.1	Scaffold626	100462	TT	CC	1940461588
SNP_P1_199623_105853	NW_004516049.1	Scaffold626	105853	GG	AA	1940461589
SNP_P1_199624_105900	NW_004516049.1	Scaffold626	105900	CC	TT	1940461590

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199626_106223	NW_004516049.1	Scaffold626	106223	GG	AA	1940461592
SNP_P1_199627_116984	NW_004516049.1	Scaffold626	116984	TT	AA	1940461593
SNP_P1_199628_117831	NW_004516049.1	Scaffold626	117831	AA	CC	1940461594
SNP_P1_199629_117847	NW_004516049.1	Scaffold626	117847	AA	CC	1940461595
SNP_P1_199630_117858	NW_004516049.1	Scaffold626	117858	TT	GG	1940461596
SNP_P1_199631_118127	NW_004516049.1	Scaffold626	118127	GG	AA	1940461597
SNP_P1_199632_119154	NW_004516049.1	Scaffold626	119154	CC	TT	1940461598
SNP_P1_199633_121825	NW_004516049.1	Scaffold626	121825	AA	GG	1940461599
SNP_P1_199634_123502	NW_004516049.1	Scaffold626	123502	TT	CC	1940461600
SNP_P1_199635_123692	NW_004516049.1	Scaffold626	123692	GG	CC	1940461601
SNP_P1_199636_123741	NW_004516049.1	Scaffold626	123741	CC	GG	1940461602
SNP_P1_199637_123763	NW_004516049.1	Scaffold626	123763	AA	GG	1940461603
SNP_P1_199638_123770	NW_004516049.1	Scaffold626	123770	GG	AA	1940461604
SNP_P1_199639_123773	NW_004516049.1	Scaffold626	123773	CC	TT	1940461605
SNP_P1_199640_124003	NW_004516049.1	Scaffold626	124003	GG	TT	1940461606
SNP_P1_199641_129021	NW_004516049.1	Scaffold626	129021	AA	TT	1940461607
SNP_P1_199642_129024	NW_004516049.1	Scaffold626	129024	CC	AA	1940461608
SNP_P1_199643_129037	NW_004516049.1	Scaffold626	129037	TT	CC	1940461609
SNP_P1_199644_129039	NW_004516049.1	Scaffold626	129039	GG	AA	1940461610
SNP_P1_199645_133403	NW_004516049.1	Scaffold626	133403	TT	CC	1940461611
SNP_P1_199646_135301	NW_004516049.1	Scaffold626	135301	TT	CC	1940461612
SNP_P1_199647_135674	NW_004516049.1	Scaffold626	135674	AA	TT	1940461613
SNP_P1_199648_135675	NW_004516049.1	Scaffold626	135675	TT	GG	1940461614
SNP_P1_199649_135677	NW_004516049.1	Scaffold626	135677	GG	AA	1940461615
SNP_P1_199650_135711	NW_004516049.1	Scaffold626	135711	TT	AA	1940461616
SNP_P1_199651_135717	NW_004516049.1	Scaffold626	135717	GG	AA	1940461617
SNP_P1_199652_136024	NW_004516049.1	Scaffold626	136024	GG	AA	1940461618
SNP_P1_199653_136287	NW_004516049.1	Scaffold626	136287	AA	TT	1940461619
SNP_P1_199654_136290	NW_004516049.1	Scaffold626	136290	AA	CC	1940461620
SNP_P1_199655_136559	NW_004516049.1	Scaffold626	136559	CC	TT	1940461621
SNP_P1_199656_136579	NW_004516049.1	Scaffold626	136579	CC	TT	1940461622
SNP_P1_199657_136614	NW_004516049.1	Scaffold626	136614	CC	TT	1940461623
SNP_P1_199658_136854	NW_004516049.1	Scaffold626	136854	TT	AA	1940461624
SNP_P1_199659_137447	NW_004516049.1	Scaffold626	137447	CC	TT	1940461625
SNP_P1_199660_137669	NW_004516049.1	Scaffold626	137669	TT	GG	1940461626
SNP_P1_199661_137676	NW_004516049.1	Scaffold626	137676	AA	GG	1940461627
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SNP_P1_199663_137938	NW_004516049.1	Scaffold626	137938	TT	GG	1940461629
SNP_P1_199664_162136	NW_004516049.1	Scaffold626	162136	GG	AA	1940461630
SNP_P1_199665_162137	NW_004516049.1	Scaffold626	162137	TT	GG	1940461631
SNP_P1_199666_163373	NW_004516049.1	Scaffold626	163373	GG	AA	1940461632

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SNP_P1_199669_172204	NW_004516049.1	Scaffold626	172204	AA	GG	1940461635
SNP_P1_199670_172623	NW_004516049.1	Scaffold626	172623	GG	AA	1940461636
SNP_P1_199671_172713	NW_004516049.1	Scaffold626	172713	CC	TT	1940461637
SNP_P1_199673_172789	NW_004516049.1	Scaffold626	172789	AA	GG	1940461638
SNP_P1_199674_173228	NW_004516049.1	Scaffold626	173228	AA	CC	1940461639
SNP_P1_199675_173244	NW_004516049.1	Scaffold626	173244	AA	GG	1940461640
SNP_P1_199676_174140	NW_004516049.1	Scaffold626	174140	GG	TT	1940461641
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SNP_P1_199678_190014	NW_004516049.1	Scaffold626	190014	TT	AA	1940461643
SNP_P1_199679_194131	NW_004516049.1	Scaffold626	194131	GG	TT	1940461644
SNP_P1_199680_202285	NW_004516049.1	Scaffold626	202285	TT	CC	1940461645
SNP_P1_199681_202448	NW_004516049.1	Scaffold626	202448	GG	AA	1940461646
SNP_P1_199682_202449	NW_004516049.1	Scaffold626	202449	GG	AA	1940461647
SNP_P1_199683_202483	NW_004516049.1	Scaffold626	202483	CC	TT	1940461648
SNP_P1_199684_202833	NW_004516049.1	Scaffold626	202833	AA	CC	1940461649
SNP_P1_199685_205568	NW_004516049.1	Scaffold626	205568	CC	TT	1940461650
SNP_P1_199686_205711	NW_004516049.1	Scaffold626	205711	AA	GG	1940461651
SNP_P1_199687_205715	NW_004516049.1	Scaffold626	205715	AA	TT	1940461652
SNP_P1_199688_205749	NW_004516049.1	Scaffold626	205749	TT	GG	1940461653
SNP_P1_199689_205778	NW_004516049.1	Scaffold626	205778	GG	AA	1940461654
SNP_P1_199690_205825	NW_004516049.1	Scaffold626	205825	AA	TT	1940461655
SNP_P1_199692_208700	NW_004516049.1	Scaffold626	208700	CC	TT	1940461656
SNP_P1_199693_208774	NW_004516049.1	Scaffold626	208774	TT	AA	1940461657
SNP_P1_199694_208789	NW_004516049.1	Scaffold626	208789	GG	AA	1940461658
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SNP_P1_199696_209180	NW_004516049.1	Scaffold626	209180	GG	TT	1940461660
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SNP_P1_199700_209560	NW_004516049.1	Scaffold626	209560	CC	TT	1940461664
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SNP_P1_199705_209938	NW_004516049.1	Scaffold626	209938	GG	AA	1940461669
SNP_P1_199706_210113	NW_004516049.1	Scaffold626	210113	CC	AA	1940461670
SNP_P1_199707_210133	NW_004516049.1	Scaffold626	210133	GG	AA	1940461671
SNP_P1_199708_210166	NW_004516049.1	Scaffold626	210166	AA	CC	1940461672
SNP_P1_199709_210182	NW_004516049.1	Scaffold626	210182	AA	GG	1940461673
SNP_P1_199710_210183	NW_004516049.1	Scaffold626	210183	TT	AA	1940461674

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SNP_P1_199712_210509	NW_004516049.1	Scaffold626	210509	CC	TT	1940461676
SNP_P1_199713_210759	NW_004516049.1	Scaffold626	210759	CC	TT	1940461678
SNP_P1_199714_210827	NW_004516049.1	Scaffold626	210827	GG	AA	1940461679
SNP_P1_199715_211005	NW_004516049.1	Scaffold626	211005	TT	GG	1940461680
SNP_P1_199716_211059	NW_004516049.1	Scaffold626	211059	AA	GG	1940461681
SNP_P1_199717_211060	NW_004516049.1	Scaffold626	211060	TT	AA	1940461682
SNP_P1_199718_211163	NW_004516049.1	Scaffold626	211163	TT	GG	1940461683
SNP_P1_199719_211180	NW_004516049.1	Scaffold626	211180	CC	TT	1940461684
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SNP_P1_199721_211484	NW_004516049.1	Scaffold626	211484	AA	CC	1940461686
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SNP_P1_199724_213230	NW_004516049.1	Scaffold626	213230	AA	CC	1940461689
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SNP_P1_199726_214921	NW_004516049.1	Scaffold626	214921	CC	TT	1940461691
SNP_P1_199727_216863	NW_004516049.1	Scaffold626	216863	CC	GG	1940461692
SNP_P1_199728_218715	NW_004516049.1	Scaffold626	218715	TT	CC	1940461693
SNP_P1_199729_218871	NW_004516049.1	Scaffold626	218871	TT	CC	1940461694
SNP_P1_199730_218899	NW_004516049.1	Scaffold626	218899	TT	GG	1940461695
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SNP_P1_199733_219444	NW_004516049.1	Scaffold626	219444	TT	AA	1940461697
SNP_P1_199734_219481	NW_004516049.1	Scaffold626	219481	AA	GG	1940461698
SNP_P1_199735_219544	NW_004516049.1	Scaffold626	219544	TT	AA	1940461699
SNP_P1_199736_219547	NW_004516049.1	Scaffold626	219547	AA	TT	1940461700
SNP_P1_199737_219578	NW_004516049.1	Scaffold626	219578	TT	CC	1940461701
SNP_P1_199738_219791	NW_004516049.1	Scaffold626	219791	AA	GG	1940461702
SNP_P1_199739_219881	NW_004516049.1	Scaffold626	219881	AA	GG	1940461703
SNP_P1_199740_220035	NW_004516049.1	Scaffold626	220035	TT	GG	1940461704
SNP_P1_199741_220110	NW_004516049.1	Scaffold626	220110	TT	CC	1940461705
SNP_P1_199742_220181	NW_004516049.1	Scaffold626	220181	TT	CC	1940461706
SNP_P1_199743_220250	NW_004516049.1	Scaffold626	220250	GG	TT	1940461707
SNP_P1_199744_220467	NW_004516049.1	Scaffold626	220467	CC	TT	1940461708
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SNP_P1_199748_221064	NW_004516049.1	Scaffold626	221064	CC	TT	1940461712
SNP_P1_199749_221177	NW_004516049.1	Scaffold626	221177	GG	AA	1940461713
SNP_P1_199750_221861	NW_004516049.1	Scaffold626	221861	TT	AA	1940461714
SNP_P1_199751_222073	NW_004516049.1	Scaffold626	222073	GG	TT	1940461715
SNP_P1_199752_222119	NW_004516049.1	Scaffold626	222119	CC	AA	1940461716
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199755_222490	NW_004516049.1	Scaffold626	222490	GG	AA	1940461719
SNP_P1_199756_223215	NW_004516049.1	Scaffold626	223215	CC	TT	1940461720
SNP_P1_199757_224142	NW_004516049.1	Scaffold626	224142	CC	GG	1940461721
SNP_P1_199758_224202	NW_004516049.1	Scaffold626	224202	TT	GG	1940461722
SNP_P1_199759_224450	NW_004516049.1	Scaffold626	224450	CC	TT	1940461723
SNP_P1_199760_224469	NW_004516049.1	Scaffold626	224469	GG	TT	1940461724
SNP_P1_199761_224482	NW_004516049.1	Scaffold626	224482	TT	GG	1940461725
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SNP_P1_199763_224630	NW_004516049.1	Scaffold626	224630	AA	CC	1940461727
SNP_P1_199764_224662	NW_004516049.1	Scaffold626	224662	TT	AA	1940461728
SNP_P1_199765_224670	NW_004516049.1	Scaffold626	224670	CC	TT	1940461729
SNP_P1_199766_224768	NW_004516049.1	Scaffold626	224768	AA	TT	1940461730
SNP_P1_199767_224794	NW_004516049.1	Scaffold626	224794	GG	AA	1940461731
SNP_P1_199768_224803	NW_004516049.1	Scaffold626	224803	AA	GG	1940461732
SNP_P1_199769_224944	NW_004516049.1	Scaffold626	224944	TT	CC	1940461733
SNP_P1_199770_224957	NW_004516049.1	Scaffold626	224957	AA	GG	1940461734
SNP_P1_199772_225211	NW_004516049.1	Scaffold626	225211	GG	AA	1940461735
SNP_P1_199773_225250	NW_004516049.1	Scaffold626	225250	CC	TT	1940461736
SNP_P1_199774_225356	NW_004516049.1	Scaffold626	225356	AA	GG	1940461737
SNP_P1_199775_225532	NW_004516049.1	Scaffold626	225532	CC	TT	1940461738
SNP_P1_199776_225604	NW_004516049.1	Scaffold626	225604	CC	AA	1940461739
SNP_P1_199777_225696	NW_004516049.1	Scaffold626	225696	AA	GG	1940461740
SNP_P1_199778_225781	NW_004516049.1	Scaffold626	225781	TT	CC	1940461741
SNP_P1_199779_226693	NW_004516049.1	Scaffold626	226693	AA	GG	1940461742
SNP_P1_199780_226758	NW_004516049.1	Scaffold626	226758	TT	CC	1940461743
SNP_P1_199781_227034	NW_004516049.1	Scaffold626	227034	GG	AA	1940461744
SNP_P1_199782_227538	NW_004516049.1	Scaffold626	227538	AA	CC	1940461745
SNP_P1_199783_227578	NW_004516049.1	Scaffold626	227578	TT	GG	1940461746
SNP_P1_199784_227607	NW_004516049.1	Scaffold626	227607	GG	AA	1940461747
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SNP_P1_199792_228112	NW_004516049.1	Scaffold626	228112	TT	CC	1940461755
SNP_P1_199793_228479	NW_004516049.1	Scaffold626	228479	TT	CC	1940461756
SNP_P1_199794_228535	NW_004516049.1	Scaffold626	228535	TT	GG	1940461757
SNP_P1_199795_228614	NW_004516049.1	Scaffold626	228614	GG	AA	1940461758
SNP_P1_199796_228746	NW_004516049.1	Scaffold626	228746	CC	AA	1940461759

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199798_228972	NW_004516049.1	Scaffold626	228972	GG	AA	1940461761
SNP_P1_199799_229059	NW_004516049.1	Scaffold626	229059	CC	AA	1940461762
SNP_P1_199800_229268	NW_004516049.1	Scaffold626	229268	CC	TT	1940461763
SNP_P1_199801_229381	NW_004516049.1	Scaffold626	229381	GG	AA	1940461764
SNP_P1_199802_231049	NW_004516049.1	Scaffold626	231049	CC	TT	1940461765
SNP_P1_199803_231097	NW_004516049.1	Scaffold626	231097	CC	TT	1940461766
SNP_P1_199804_231098	NW_004516049.1	Scaffold626	231098	TT	CC	1940461767
SNP_P1_199806_231819	NW_004516049.1	Scaffold626	231819	CC	TT	1940461768
SNP_P1_199807_231836	NW_004516049.1	Scaffold626	231836	GG	CC	1940461769
SNP_P1_199808_231846	NW_004516049.1	Scaffold626	231846	AA	GG	1940461770
SNP_P1_199809_233303	NW_004516049.1	Scaffold626	233303	CC	TT	1940461771
SNP_P1_199810_233989	NW_004516049.1	Scaffold626	233989	CC	GG	1940461772
SNP_P1_199811_235159	NW_004516049.1	Scaffold626	235159	GG	AA	1940461773
SNP_P1_199812_235165	NW_004516049.1	Scaffold626	235165	GG	AA	1940461774
SNP_P1_199813_235175	NW_004516049.1	Scaffold626	235175	CC	AA	1940461775
SNP_P1_199814_235372	NW_004516049.1	Scaffold626	235372	CC	AA	1940461776
SNP_P1_199815_235647	NW_004516049.1	Scaffold626	235647	TT	CC	1940461777
SNP_P1_199816_235732	NW_004516049.1	Scaffold626	235732	GG	CC	1940461778
SNP_P1_199817_235895	NW_004516049.1	Scaffold626	235895	TT	CC	1940461779
SNP_P1_199818_236055	NW_004516049.1	Scaffold626	236055	TT	AA	1940461780
SNP_P1_199820_236232	NW_004516049.1	Scaffold626	236232	CC	GG	1940461781
SNP_P1_199821_236233	NW_004516049.1	Scaffold626	236233	TT	AA	1940461782
SNP_P1_199822_236236	NW_004516049.1	Scaffold626	236236	TT	AA	1940461783
SNP_P1_199823_236240	NW_004516049.1	Scaffold626	236240	CC	GG	1940461784
SNP_P1_199824_236243	NW_004516049.1	Scaffold626	236243	AA	CC	1940461785
SNP_P1_199825_236268	NW_004516049.1	Scaffold626	236268	GG	CC	1940461786
SNP_P1_199826_236273	NW_004516049.1	Scaffold626	236273	CC	AA	1940461787
SNP_P1_199827_236275	NW_004516049.1	Scaffold626	236275	TT	AA	1940461788
SNP_P1_199828_236437	NW_004516049.1	Scaffold626	236437	CC	TT	1940461789
SNP_P1_199829_236458	NW_004516049.1	Scaffold626	236458	GG	AA	1940461790
SNP_P1_199830_236623	NW_004516049.1	Scaffold626	236623	CC	TT	1940461791
SNP_P1_199831_236711	NW_004516049.1	Scaffold626	236711	TT	GG	1940461792
SNP_P1_199832_236763	NW_004516049.1	Scaffold626	236763	TT	CC	1940461793
SNP_P1_199833_236836	NW_004516049.1	Scaffold626	236836	AA	CC	1940461794
SNP_P1_199834_236852	NW_004516049.1	Scaffold626	236852	TT	GG	1940461795
SNP_P1_199836_236956	NW_004516049.1	Scaffold626	236956	CC	GG	1940461796
SNP_P1_199837_236994	NW_004516049.1	Scaffold626	236994	TT	GG	1940461797
SNP_P1_199838_237099	NW_004516049.1	Scaffold626	237099	TT	AA	1940461798
SNP_P1_199839_237112	NW_004516049.1	Scaffold626	237112	GG	CC	1940461799
SNP_P1_199840_237129	NW_004516049.1	Scaffold626	237129	GG	AA	1940461800
SNP_P1_199841_237145	NW_004516049.1	Scaffold626	237145	CC	GG	1940461801

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SNP_P1_199843_237397	NW_004516049.1	Scaffold626	237397	GG	AA	1940461803
SNP_P1_199844_237490	NW_004516049.1	Scaffold626	237490	AA	GG	1940461804
SNP_P1_199845_237632	NW_004516049.1	Scaffold626	237632	CC	TT	1940461805
SNP_P1_199846_237798	NW_004516049.1	Scaffold626	237798	TT	AA	1940461806
SNP_P1_199847_237875	NW_004516049.1	Scaffold626	237875	TT	GG	1940461807
SNP_P1_199848_237882	NW_004516049.1	Scaffold626	237882	TT	AA	1940461808
SNP_P1_199849_237962	NW_004516049.1	Scaffold626	237962	AA	GG	1940461809
SNP_P1_199850_238225	NW_004516049.1	Scaffold626	238225	CC	TT	1940461810
SNP_P1_199851_238287	NW_004516049.1	Scaffold626	238287	AA	CC	1940461811
SNP_P1_199852_238331	NW_004516049.1	Scaffold626	238331	TT	CC	1940461812
SNP_P1_199853_238381	NW_004516049.1	Scaffold626	238381	AA	CC	1940461813
SNP_P1_199855_240442	NW_004516049.1	Scaffold626	240442	AA	GG	1940461814
SNP_P1_199856_240458	NW_004516049.1	Scaffold626	240458	CC	TT	1940461815
SNP_P1_199858_240566	NW_004516049.1	Scaffold626	240566	TT	CC	1940461816
SNP_P1_199859_240799	NW_004516049.1	Scaffold626	240799	GG	AA	1940461817
SNP_P1_199860_240883	NW_004516049.1	Scaffold626	240883	GG	TT	1940461818
SNP_P1_199861_240912	NW_004516049.1	Scaffold626	240912	TT	CC	1940461819
SNP_P1_199862_240914	NW_004516049.1	Scaffold626	240914	TT	AA	1940461820
SNP_P1_199863_240989	NW_004516049.1	Scaffold626	240989	TT	AA	1940461821
SNP_P1_199864_241011	NW_004516049.1	Scaffold626	241011	AA	CC	1940461822
SNP_P1_199865_241013	NW_004516049.1	Scaffold626	241013	TT	AA	1940461823
SNP_P1_199866_241252	NW_004516049.1	Scaffold626	241252	TT	GG	1940461824
SNP_P1_199867_241611	NW_004516049.1	Scaffold626	241611	AA	GG	1940461825
SNP_P1_199868_241614	NW_004516049.1	Scaffold626	241614	GG	CC	1940461826
SNP_P1_199869_241790	NW_004516049.1	Scaffold626	241790	GG	CC	1940461827
SNP_P1_199870_241863	NW_004516049.1	Scaffold626	241863	AA	TT	1940461828
SNP_P1_199871_241881	NW_004516049.1	Scaffold626	241881	TT	GG	1940461829
SNP_P1_199872_242072	NW_004516049.1	Scaffold626	242072	AA	CC	1940461830
SNP_P1_199875_252740	NW_004516049.1	Scaffold626	252740	TT	CC	1940461831
SNP_P1_199876_254286	NW_004516049.1	Scaffold626	254286	AA	TT	1940461832
SNP_P1_199877_254331	NW_004516049.1	Scaffold626	254331	AA	TT	1940461833
SNP_P1_199878_254549	NW_004516049.1	Scaffold626	254549	TT	CC	1940461834
SNP_P1_199879_254710	NW_004516049.1	Scaffold626	254710	CC	AA	1940461835
SNP_P1_199880_254720	NW_004516049.1	Scaffold626	254720	GG	AA	1940461836
SNP_P1_199881_255018	NW_004516049.1	Scaffold626	255018	AA	TT	1940461837
SNP_P1_199882_255024	NW_004516049.1	Scaffold626	255024	AA	CC	1940461838
SNP_P1_199883_255213	NW_004516049.1	Scaffold626	255213	AA	GG	1940461839
SNP_P1_199884_255268	NW_004516049.1	Scaffold626	255268	AA	TT	1940461840
SNP_P1_199885_255550	NW_004516049.1	Scaffold626	255550	TT	AA	1940461842
SNP_P1_199886_256090	NW_004516049.1	Scaffold626	256090	CC	TT	1940461843
SNP_P1_199887_256281	NW_004516049.1	Scaffold626	256281	TT	CC	1940461844

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199890_257215	NW_004516049.1	Scaffold626	257215	CC	GG	1940461847
SNP_P1_199891_257397	NW_004516049.1	Scaffold626	257397	AA	TT	1940461848
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SNP_P1_199893_257753	NW_004516049.1	Scaffold626	257753	GG	TT	1940461850
SNP_P1_199894_257757	NW_004516049.1	Scaffold626	257757	TT	GG	1940461851
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SNP_P1_199896_257791	NW_004516049.1	Scaffold626	257791	CC	TT	1940461853
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SNP_P1_199898_257908	NW_004516049.1	Scaffold626	257908	TT	CC	1940461855
SNP_P1_199899_257928	NW_004516049.1	Scaffold626	257928	GG	AA	1940461856
SNP_P1_199900_257943	NW_004516049.1	Scaffold626	257943	CC	TT	1940461857
SNP_P1_199901_258014	NW_004516049.1	Scaffold626	258014	CC	TT	1940461858
SNP_P1_199902_258030	NW_004516049.1	Scaffold626	258030	GG	CC	1940461859
SNP_P1_199903_258032	NW_004516049.1	Scaffold626	258032	TT	GG	1940461860
SNP_P1_199904_258080	NW_004516049.1	Scaffold626	258080	CC	TT	1940461861
SNP_P1_199906_258136	NW_004516049.1	Scaffold626	258136	AA	TT	1940461862
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SNP_P1_199911_259187	NW_004516049.1	Scaffold626	259187	CC	AA	1940461867
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SNP_P1_199914_259754	NW_004516049.1	Scaffold626	259754	TT	GG	1940461870
SNP_P1_199915_260310	NW_004516049.1	Scaffold626	260310	AA	TT	1940461871
SNP_P1_199916_260437	NW_004516049.1	Scaffold626	260437	GG	CC	1940461872
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SNP_P1_199919_260947	NW_004516049.1	Scaffold626	260947	CC	TT	1940461875
SNP_P1_199920_260974	NW_004516049.1	Scaffold626	260974	GG	AA	1940461876
SNP_P1_199921_261054	NW_004516049.1	Scaffold626	261054	TT	AA	1940461877
SNP_P1_199922_261093	NW_004516049.1	Scaffold626	261093	CC	TT	1940461878
SNP_P1_199923_261117	NW_004516049.1	Scaffold626	261117	AA	GG	1940461879
SNP_P1_199924_267976	NW_004516049.1	Scaffold626	267976	AA	GG	1940461880
SNP_P1_199926_268265	NW_004516049.1	Scaffold626	268265	GG	TT	1940461881
SNP_P1_199927_268401	NW_004516049.1	Scaffold626	268401	AA	CC	1940461882
SNP_P1_199928_268477	NW_004516049.1	Scaffold626	268477	AA	GG	1940461883
SNP_P1_199929_270224	NW_004516049.1	Scaffold626	270224	TT	AA	1940461884
SNP_P1_199930_270302	NW_004516049.1	Scaffold626	270302	GG	TT	1940461885
SNP_P1_199931_270420	NW_004516049.1	Scaffold626	270420	CC	AA	1940461886

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199934_270530	NW_004516049.1	Scaffold626	270530	CC	TT	1940461889
SNP_P1_199935_270544	NW_004516049.1	Scaffold626	270544	GG	AA	1940461890
SNP_P1_199936_270568	NW_004516049.1	Scaffold626	270568	AA	GG	1940461891
SNP_P1_199937_270613	NW_004516049.1	Scaffold626	270613	TT	AA	1940461892
SNP_P1_199938_270614	NW_004516049.1	Scaffold626	270614	AA	TT	1940461893
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SNP_P1_199940_270841	NW_004516049.1	Scaffold626	270841	CC	GG	1940461895
SNP_P1_199941_270972	NW_004516049.1	Scaffold626	270972	TT	GG	1940461896
SNP_P1_199942_271010	NW_004516049.1	Scaffold626	271010	CC	TT	1940461897
SNP_P1_199943_271074	NW_004516049.1	Scaffold626	271074	TT	AA	1940461898
SNP_P1_199944_271670	NW_004516049.1	Scaffold626	271670	AA	TT	1940461899
SNP_P1_199945_271736	NW_004516049.1	Scaffold626	271736	CC	GG	1940461900
SNP_P1_199946_272096	NW_004516049.1	Scaffold626	272096	TT	CC	1940461901
SNP_P1_199947_272141	NW_004516049.1	Scaffold626	272141	TT	CC	1940461902
SNP_P1_199948_272144	NW_004516049.1	Scaffold626	272144	GG	CC	1940461903
SNP_P1_199949_272176	NW_004516049.1	Scaffold626	272176	AA	GG	1940461904
SNP_P1_199950_272557	NW_004516049.1	Scaffold626	272557	GG	AA	1940461905
SNP_P1_199951_272964	NW_004516049.1	Scaffold626	272964	TT	CC	1940461906
SNP_P1_199952_272969	NW_004516049.1	Scaffold626	272969	AA	TT	1940461907
SNP_P1_199953_272977	NW_004516049.1	Scaffold626	272977	TT	CC	1940461908
SNP_P1_199954_272988	NW_004516049.1	Scaffold626	272988	TT	GG	1940461909
SNP_P1_199956_272995	NW_004516049.1	Scaffold626	272995	AA	GG	1940461910
SNP_P1_199957_273168	NW_004516049.1	Scaffold626	273168	GG	AA	1940461911
SNP_P1_199958_273308	NW_004516049.1	Scaffold626	273308	TT	CC	1940461912
SNP_P1_199959_273439	NW_004516049.1	Scaffold626	273439	CC	TT	1940461913
SNP_P1_199960_273529	NW_004516049.1	Scaffold626	273529	CC	TT	1940461914
SNP_P1_199961_273547	NW_004516049.1	Scaffold626	273547	CC	GG	1940461915
SNP_P1_199963_273800	NW_004516049.1	Scaffold626	273800	GG	AA	1940461916
SNP_P1_199964_274146	NW_004516049.1	Scaffold626	274146	TT	CC	1940461917
SNP_P1_199965_274173	NW_004516049.1	Scaffold626	274173	AA	GG	1940461918
SNP_P1_199966_274268	NW_004516049.1	Scaffold626	274268	TT	GG	1940461919
SNP_P1_199967_274282	NW_004516049.1	Scaffold626	274282	TT	CC	1940461920
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SNP_P1_199969_274554	NW_004516049.1	Scaffold626	274554	CC	AA	1940461922
SNP_P1_199970_274594	NW_004516049.1	Scaffold626	274594	TT	GG	1940461923
SNP_P1_199971_274609	NW_004516049.1	Scaffold626	274609	TT	CC	1940461924
SNP_P1_199973_274936	NW_004516049.1	Scaffold626	274936	AA	GG	1940461925
SNP_P1_199974_275076	NW_004516049.1	Scaffold626	275076	GG	AA	1940461926
SNP_P1_199975_275084	NW_004516049.1	Scaffold626	275084	CC	GG	1940461927
SNP_P1_199976_275088	NW_004516049.1	Scaffold626	275088	TT	CC	1940461928

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_199978_275139	NW_004516049.1	Scaffold626	275139	TT	AA	1940461930
SNP_P1_199979_275234	NW_004516049.1	Scaffold626	275234	TT	AA	1940461931
SNP_P1_199980_275393	NW_004516049.1	Scaffold626	275393	GG	AA	1940461932
SNP_P1_199981_275484	NW_004516049.1	Scaffold626	275484	GG	AA	1940461933
SNP_P1_199982_275494	NW_004516049.1	Scaffold626	275494	TT	GG	1940461934
SNP_P1_199983_275521	NW_004516049.1	Scaffold626	275521	AA	GG	1940461935
SNP_P1_199984_275595	NW_004516049.1	Scaffold626	275595	AA	TT	1940461936
SNP_P1_199985_275719	NW_004516049.1	Scaffold626	275719	AA	GG	1940461937
SNP_P1_199986_275745	NW_004516049.1	Scaffold626	275745	AA	GG	1940461938
SNP_P1_199987_275875	NW_004516049.1	Scaffold626	275875	AA	GG	1940461939
SNP_P1_199988_275891	NW_004516049.1	Scaffold626	275891	GG	AA	1940461940
SNP_P1_199989_275939	NW_004516049.1	Scaffold626	275939	TT	GG	1940461941
SNP_P1_199990_276017	NW_004516049.1	Scaffold626	276017	AA	CC	1940461942
SNP_P1_199991_276028	NW_004516049.1	Scaffold626	276028	AA	TT	1940461943
SNP_P1_199992_280527	NW_004516049.1	Scaffold626	280527	AA	GG	1940461944
SNP_P1_199993_280877	NW_004516049.1	Scaffold626	280877	GG	AA	1940461945
SNP_P1_199994_280915	NW_004516049.1	Scaffold626	280915	TT	AA	1940461946
SNP_P1_199995_281026	NW_004516049.1	Scaffold626	281026	GG	AA	1940461947
SNP_P1_199996_281247	NW_004516049.1	Scaffold626	281247	AA	GG	1940461948
SNP_P1_199997_281429	NW_004516049.1	Scaffold626	281429	GG	AA	1940461949
SNP_P1_199998_281570	NW_004516049.1	Scaffold626	281570	AA	TT	1940461950
SNP_P1_199999_281623	NW_004516049.1	Scaffold626	281623	TT	AA	1940461951
SNP_P1_200000_281636	NW_004516049.1	Scaffold626	281636	AA	GG	1940461952
SNP_P1_200001_281728	NW_004516049.1	Scaffold626	281728	AA	CC	1940461953
SNP_P1_200002_281761	NW_004516049.1	Scaffold626	281761	AA	TT	1940461954
SNP_P1_200003_281898	NW_004516049.1	Scaffold626	281898	CC	GG	1940461955
SNP_P1_200004_281914	NW_004516049.1	Scaffold626	281914	AA	GG	1940461956
SNP_P1_200005_282001	NW_004516049.1	Scaffold626	282001	TT	GG	1940461957
SNP_P1_200006_282452	NW_004516049.1	Scaffold626	282452	TT	GG	1940461958
SNP_P1_200007_282476	NW_004516049.1	Scaffold626	282476	CC	AA	1940461959
SNP_P1_200008_283121	NW_004516049.1	Scaffold626	283121	AA	TT	1940461960
SNP_P1_200009_285419	NW_004516049.1	Scaffold626	285419	TT	GG	1940461961
SNP_P1_200010_285439	NW_004516049.1	Scaffold626	285439	TT	CC	1940461962
SNP_P1_200011_285446	NW_004516049.1	Scaffold626	285446	GG	CC	1940461963
SNP_P1_200012_285684	NW_004516049.1	Scaffold626	285684	AA	GG	1940461964
SNP_P1_200013_290838	NW_004516049.1	Scaffold626	290838	TT	CC	1940461965
SNP_P1_200014_290887	NW_004516049.1	Scaffold626	290887	AA	GG	1940461966
SNP_P1_200015_290895	NW_004516049.1	Scaffold626	290895	CC	AA	1940461967
SNP_P1_200016_291146	NW_004516049.1	Scaffold626	291146	TT	CC	1940461968
SNP_P1_200017_291610	NW_004516049.1	Scaffold626	291610	CC	TT	1940461969
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200021_296095	NW_004516049.1	Scaffold626	296095	CC	TT	1940461973
SNP_P1_200022_296160	NW_004516049.1	Scaffold626	296160	TT	GG	1940461974
SNP_P1_200023_296179	NW_004516049.1	Scaffold626	296179	AA	GG	1940461975
SNP_P1_200024_296310	NW_004516049.1	Scaffold626	296310	TT	AA	1940461976
SNP_P1_200025_296329	NW_004516049.1	Scaffold626	296329	CC	TT	1940461977
SNP_P1_200026_296396	NW_004516049.1	Scaffold626	296396	TT	CC	1940461978
SNP_P1_200027_296401	NW_004516049.1	Scaffold626	296401	GG	AA	1940461979
SNP_P1_200028_296405	NW_004516049.1	Scaffold626	296405	GG	AA	1940461980
SNP_P1_200029_296448	NW_004516049.1	Scaffold626	296448	TT	CC	1940461981
SNP_P1_200030_296479	NW_004516049.1	Scaffold626	296479	CC	TT	1940461982
SNP_P1_200031_296484	NW_004516049.1	Scaffold626	296484	GG	CC	1940461983
SNP_P1_200032_299455	NW_004516049.1	Scaffold626	299455	TT	CC	1940461984
SNP_P1_200033_300470	NW_004516049.1	Scaffold626	300470	AA	CC	1940461985
SNP_P1_200034_300475	NW_004516049.1	Scaffold626	300475	TT	CC	1940461986
SNP_P1_200035_302544	NW_004516049.1	Scaffold626	302544	CC	TT	1940461987
SNP_P1_200036_302569	NW_004516049.1	Scaffold626	302569	CC	TT	1940461988
SNP_P1_200037_302940	NW_004516049.1	Scaffold626	302940	TT	CC	1940461989
SNP_P1_200038_309545	NW_004516049.1	Scaffold626	309545	AA	CC	1940461990
SNP_P1_200039_331458	NW_004516049.1	Scaffold626	331458	TT	GG	1940461991
SNP_P1_200040_331462	NW_004516049.1	Scaffold626	331462	TT	AA	1940461992
SNP_P1_200042_335480	NW_004516049.1	Scaffold626	335480	GG	AA	1940461993
SNP_P1_200043_335491	NW_004516049.1	Scaffold626	335491	GG	AA	1940461994
SNP_P1_200044_340581	NW_004516049.1	Scaffold626	340581	CC	TT	1940461996
SNP_P1_200045_340638	NW_004516049.1	Scaffold626	340638	GG	AA	1940461997
SNP_P1_200046_347589	NW_004516049.1	Scaffold626	347589	CC	TT	1940461998
SNP_P1_200047_351712	NW_004516049.1	Scaffold626	351712	GG	AA	1940461999
SNP_P1_200048_351720	NW_004516049.1	Scaffold626	351720	TT	AA	1940462000
SNP_P1_200049_351725	NW_004516049.1	Scaffold626	351725	TT	CC	1940462001
SNP_P1_200050_351764	NW_004516049.1	Scaffold626	351764	GG	AA	1940462002
SNP_P1_200052_351781	NW_004516049.1	Scaffold626	351781	GG	AA	1940462003
SNP_P1_200053_351808	NW_004516049.1	Scaffold626	351808	CC	AA	1940462004
SNP_P1_200054_352112	NW_004516049.1	Scaffold626	352112	CC	TT	1940462005
SNP_P1_200057_356345	NW_004516049.1	Scaffold626	356345	TT	CC	1940462006
SNP_P1_200058_356358	NW_004516049.1	Scaffold626	356358	TT	CC	1940462007
SNP_P1_200059_356359	NW_004516049.1	Scaffold626	356359	GG	AA	1940462008
SNP_P1_200060_356394	NW_004516049.1	Scaffold626	356394	GG	CC	1940462009
SNP_P1_200061_357394	NW_004516049.1	Scaffold626	357394	AA	CC	1940462010
SNP_P1_200062_357406	NW_004516049.1	Scaffold626	357406	AA	TT	1940462011
SNP_P1_200063_357414	NW_004516049.1	Scaffold626	357414	CC	AA	1940462012
SNP_P1_200064_366790	NW_004516049.1	Scaffold626	366790	AA	GG	1940462013

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_200065_368053	NW_004516049.1	Scaffold626	368053	GG	TT	1940462014
SNP_P1_200066_368070	NW_004516049.1	Scaffold626	368070	CC	AA	1940462015
SNP_P1_200067_371186	NW_004516049.1	Scaffold626	371186	AA	GG	1940462016
SNP_P1_200068_371611	NW_004516049.1	Scaffold626	371611	GG	TT	1940462017
SNP_P1_200070_375689	NW_004516049.1	Scaffold626	375689	TT	CC	1940462018
SNP_P1_200071_376745	NW_004516049.1	Scaffold626	376745	GG	TT	1940462019
SNP_P1_200072_376749	NW_004516049.1	Scaffold626	376749	AA	TT	1940462020
SNP_P1_200073_376825	NW_004516049.1	Scaffold626	376825	TT	AA	1940462021
SNP_P1_200074_377046	NW_004516049.1	Scaffold626	377046	GG	TT	1940462022
SNP_P1_200075_384554	NW_004516049.1	Scaffold626	384554	GG	AA	1940462023
SNP_P1_200076_385976	NW_004516049.1	Scaffold626	385976	CC	GG	1940462024
SNP_P1_200077_386051	NW_004516049.1	Scaffold626	386051	AA	CC	1940462025
SNP_P1_200078_386058	NW_004516049.1	Scaffold626	386058	TT	CC	1940462026
SNP_P1_200079_386096	NW_004516049.1	Scaffold626	386096	TT	CC	1940462027
SNP_P1_200080_386200	NW_004516049.1	Scaffold626	386200	TT	CC	1940462028
SNP_P1_200081_386307	NW_004516049.1	Scaffold626	386307	TT	CC	1940462029
SNP_P1_200082_386312	NW_004516049.1	Scaffold626	386312	TT	AA	1940462030
SNP_P1_200083_386374	NW_004516049.1	Scaffold626	386374	AA	GG	1940462031
SNP_P1_200084_386422	NW_004516049.1	Scaffold626	386422	TT	GG	1940462032
SNP_P1_200085_387876	NW_004516049.1	Scaffold626	387876	GG	AA	1940462033
SNP_P1_200087_387925	NW_004516049.1	Scaffold626	387925	TT	AA	1940462034
SNP_P1_200088_388151	NW_004516049.1	Scaffold626	388151	TT	AA	1940462035
SNP_P1_200089_388211	NW_004516049.1	Scaffold626	388211	CC	GG	1940462036
SNP_P1_200090_388212	NW_004516049.1	Scaffold626	388212	AA	GG	1940462037
SNP_P1_200091_388253	NW_004516049.1	Scaffold626	388253	AA	TT	1940462038
SNP_P1_200092_388256	NW_004516049.1	Scaffold626	388256	AA	TT	1940462039
SNP_P1_200093_388429	NW_004516049.1	Scaffold626	388429	AA	GG	1940462040
SNP_P1_200094_388453	NW_004516049.1	Scaffold626	388453	AA	CC	1940462041
SNP_P1_200095_388458	NW_004516049.1	Scaffold626	388458	GG	AA	1940462042
SNP_P1_200096_390213	NW_004516049.1	Scaffold626	390213	AA	TT	1940462043
SNP_P1_200097_390224	NW_004516049.1	Scaffold626	390224	AA	TT	1940462044
SNP_P1_200098_390603	NW_004516049.1	Scaffold626	390603	GG	AA	1940462045
SNP_P1_200099_391864	NW_004516049.1	Scaffold626	391864	AA	GG	1940462046
SNP_P1_200100_392021	NW_004516049.1	Scaffold626	392021	AA	CC	1940462047
SNP_P1_200101_392268	NW_004516049.1	Scaffold626	392268	GG	AA	1940462048
SNP_P1_200102_392329	NW_004516049.1	Scaffold626	392329	AA	GG	1940462049
SNP_P1_200103_393377	NW_004516049.1	Scaffold626	393377	CC	TT	1940462050
SNP_P1_200104_393722	NW_004516049.1	Scaffold626	393722	TT	CC	1940462051
SNP_P1_200105_395853	NW_004516049.1	Scaffold626	395853	CC	GG	1940462052
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SNP_P1_200107_400492	NW_004516049.1	Scaffold626	400492	CC	TT	1940462054
SNP_P1_200108_405165	NW_004516049.1	Scaffold626	405165	TT	AA	1940462055

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SNP_P1_200110_411224	NW_004516049.1	Scaffold626	411224	TT	CC	1940462057
SNP_P1_200111_411797	NW_004516049.1	Scaffold626	411797	CC	TT	1940462058
SNP_P1_200112_420631	NW_004516049.1	Scaffold626	420631	CC	GG	1940462059
SNP_P1_200113_420636	NW_004516049.1	Scaffold626	420636	CC	TT	1940462060
SNP_P1_200114_420740	NW_004516049.1	Scaffold626	420740	AA	GG	1940462061
SNP_P1_200115_424099	NW_004516049.1	Scaffold626	424099	TT	CC	1940462062
SNP_P1_200116_424103	NW_004516049.1	Scaffold626	424103	CC	TT	1940462063
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SNP_P1_200118_424212	NW_004516049.1	Scaffold626	424212	AA	GG	1940462065
SNP_P1_200119_424479	NW_004516049.1	Scaffold626	424479	AA	GG	1940462066
SNP_P1_200120_424519	NW_004516049.1	Scaffold626	424519	TT	CC	1940462067
SNP_P1_200121_424547	NW_004516049.1	Scaffold626	424547	AA	GG	1940462068
SNP_P1_200122_425327	NW_004516049.1	Scaffold626	425327	GG	AA	1940462069
SNP_P1_200123_432033	NW_004516049.1	Scaffold626	432033	TT	CC	1940462070
SNP_P1_200124_432171	NW_004516049.1	Scaffold626	432171	GG	AA	1940462071
SNP_P1_200125_432175	NW_004516049.1	Scaffold626	432175	TT	AA	1940462072
SNP_P1_200126_432177	NW_004516049.1	Scaffold626	432177	CC	TT	1940462073
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SNP_P1_200131_435805	NW_004516049.1	Scaffold626	435805	AA	GG	1940462078
SNP_P1_200132_448462	NW_004516049.1	Scaffold626	448462	TT	CC	1940462079
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SNP_P1_200138_451660	NW_004516049.1	Scaffold626	451660	CC	GG	1940462085
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SNP_P1_200140_451807	NW_004516049.1	Scaffold626	451807	GG	AA	1940462087
SNP_P1_200141_451929	NW_004516049.1	Scaffold626	451929	AA	TT	1940462088
SNP_P1_200142_451936	NW_004516049.1	Scaffold626	451936	GG	TT	1940462089
SNP_P1_200144_452078	NW_004516049.1	Scaffold626	452078	CC	GG	1940462090
SNP_P1_200145_452145	NW_004516049.1	Scaffold626	452145	TT	CC	1940462091
SNP_P1_200146_452325	NW_004516049.1	Scaffold626	452325	TT	AA	1940462092
SNP_P1_200147_452379	NW_004516049.1	Scaffold626	452379	TT	AA	1940462093
SNP_P1_200148_452390	NW_004516049.1	Scaffold626	452390	CC	TT	1940462094
SNP_P1_200149_452401	NW_004516049.1	Scaffold626	452401	TT	GG	1940462095
SNP_P1_200151_452853	NW_004516049.1	Scaffold626	452853	GG	AA	1940462096
SNP_P1_200152_453066	NW_004516049.1	Scaffold626	453066	AA	GG	1940462097

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SNP_P1_200155_453456	NW_004516049.1	Scaffold626	453456	CC	TT	1940462100
SNP_P1_200156_453615	NW_004516049.1	Scaffold626	453615	CC	TT	1940462101
SNP_P1_200157_453658	NW_004516049.1	Scaffold626	453658	CC	TT	1940462102
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SNP_P1_200160_453761	NW_004516049.1	Scaffold626	453761	GG	AA	1940462105
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SNP_P1_200164_453997	NW_004516049.1	Scaffold626	453997	CC	GG	1940462109
SNP_P1_200165_454100	NW_004516049.1	Scaffold626	454100	GG	CC	1940462110
SNP_P1_200166_454113	NW_004516049.1	Scaffold626	454113	CC	TT	1940462111
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SNP_P1_200170_454430	NW_004516049.1	Scaffold626	454430	AA	TT	1940462115
SNP_P1_200171_456763	NW_004516049.1	Scaffold626	456763	CC	TT	1940462116
SNP_P1_200172_460544	NW_004516049.1	Scaffold626	460544	TT	AA	1940462117
SNP_P1_200173_460609	NW_004516049.1	Scaffold626	460609	CC	TT	1940462119
SNP_P1_200174_460611	NW_004516049.1	Scaffold626	460611	CC	AA	1940462120
SNP_P1_200175_460620	NW_004516049.1	Scaffold626	460620	GG	CC	1940462121
SNP_P1_200176_460657	NW_004516049.1	Scaffold626	460657	GG	AA	1940462122
SNP_P1_200177_460715	NW_004516049.1	Scaffold626	460715	CC	TT	1940462123
SNP_P1_200178_460717	NW_004516049.1	Scaffold626	460717	GG	CC	1940462124
SNP_P1_200179_460748	NW_004516049.1	Scaffold626	460748	CC	GG	1940462125
SNP_P1_200180_461051	NW_004516049.1	Scaffold626	461051	TT	AA	1940462126
SNP_P1_200181_461107	NW_004516049.1	Scaffold626	461107	GG	TT	1940462127
SNP_P1_200182_461120	NW_004516049.1	Scaffold626	461120	CC	GG	1940462128
SNP_P1_200183_461629	NW_004516049.1	Scaffold626	461629	TT	CC	1940462129
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SNP_P1_200191_463459	NW_004516049.1	Scaffold626	463459	GG	AA	1940462137
SNP_P1_200192_463581	NW_004516049.1	Scaffold626	463581	GG	TT	1940462138
SNP_P1_200193_463656	NW_004516049.1	Scaffold626	463656	AA	CC	1940462139
SNP_P1_200194_463724	NW_004516049.1	Scaffold626	463724	TT	AA	1940462140

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200197_463845	NW_004516049.1	Scaffold626	463845	AA	GG	1940462143
SNP_P1_200198_463930	NW_004516049.1	Scaffold626	463930	AA	GG	1940462144
SNP_P1_200199_464081	NW_004516049.1	Scaffold626	464081	TT	CC	1940462145
SNP_P1_200200_464088	NW_004516049.1	Scaffold626	464088	CC	TT	1940462146
SNP_P1_200201_464195	NW_004516049.1	Scaffold626	464195	GG	AA	1940462147
SNP_P1_200202_464307	NW_004516049.1	Scaffold626	464307	GG	TT	1940462148
SNP_P1_200203_464499	NW_004516049.1	Scaffold626	464499	AA	CC	1940462149
SNP_P1_200204_464595	NW_004516049.1	Scaffold626	464595	GG	CC	1940462150
SNP_P1_200206_464698	NW_004516049.1	Scaffold626	464698	CC	TT	1940462151
SNP_P1_200207_464743	NW_004516049.1	Scaffold626	464743	AA	GG	1940462152
SNP_P1_200208_464749	NW_004516049.1	Scaffold626	464749	GG	TT	1940462153
SNP_P1_200209_464823	NW_004516049.1	Scaffold626	464823	GG	AA	1940462154
SNP_P1_200210_464835	NW_004516049.1	Scaffold626	464835	CC	AA	1940462155
SNP_P1_200211_465011	NW_004516049.1	Scaffold626	465011	TT	GG	1940462156
SNP_P1_200212_465303	NW_004516049.1	Scaffold626	465303	TT	CC	1940462157
SNP_P1_200213_465312	NW_004516049.1	Scaffold626	465312	CC	TT	1940462158
SNP_P1_200214_465383	NW_004516049.1	Scaffold626	465383	CC	AA	1940462159
SNP_P1_200215_465393	NW_004516049.1	Scaffold626	465393	GG	CC	1940462160
SNP_P1_200216_465449	NW_004516049.1	Scaffold626	465449	GG	CC	1940462161
SNP_P1_200217_465451	NW_004516049.1	Scaffold626	465451	GG	AA	1940462162
SNP_P1_200218_466811	NW_004516049.1	Scaffold626	466811	AA	GG	1940462163
SNP_P1_200219_466819	NW_004516049.1	Scaffold626	466819	GG	CC	1940462164
SNP_P1_200220_467162	NW_004516049.1	Scaffold626	467162	GG	AA	1940462165
SNP_P1_200221_467489	NW_004516049.1	Scaffold626	467489	AA	CC	1940462166
SNP_P1_200222_467499	NW_004516049.1	Scaffold626	467499	AA	GG	1940462167
SNP_P1_200223_470571	NW_004516049.1	Scaffold626	470571	AA	GG	1940462168
SNP_P1_200224_471019	NW_004516049.1	Scaffold626	471019	AA	CC	1940462169
SNP_P1_200225_475333	NW_004516049.1	Scaffold626	475333	TT	CC	1940462170
SNP_P1_200226_475473	NW_004516049.1	Scaffold626	475473	AA	GG	1940462171
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SNP_P1_200231_476016	NW_004516049.1	Scaffold626	476016	CC	TT	1940462176
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SNP_P1_200234_476333	NW_004516049.1	Scaffold626	476333	TT	GG	1940462179
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SNP_P1_200236_476996	NW_004516049.1	Scaffold626	476996	TT	CC	1940462181
SNP_P1_200237_477004	NW_004516049.1	Scaffold626	477004	CC	TT	1940462182

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200240_477318	NW_004516049.1	Scaffold626	477318	CC	TT	1940462185
SNP_P1_200241_477321	NW_004516049.1	Scaffold626	477321	GG	CC	1940462186
SNP_P1_200242_477437	NW_004516049.1	Scaffold626	477437	CC	TT	1940462187
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SNP_P1_200245_477890	NW_004516049.1	Scaffold626	477890	GG	AA	1940462190
SNP_P1_200246_477987	NW_004516049.1	Scaffold626	477987	TT	GG	1940462191
SNP_P1_200247_478174	NW_004516049.1	Scaffold626	478174	AA	TT	1940462192
SNP_P1_200248_478819	NW_004516049.1	Scaffold626	478819	GG	AA	1940462193
SNP_P1_200249_478824	NW_004516049.1	Scaffold626	478824	TT	GG	1940462194
SNP_P1_200250_478906	NW_004516049.1	Scaffold626	478906	TT	GG	1940462195
SNP_P1_200251_479022	NW_004516049.1	Scaffold626	479022	CC	TT	1940462196
SNP_P1_200252_479546	NW_004516049.1	Scaffold626	479546	AA	GG	1940462197
SNP_P1_200253_479915	NW_004516049.1	Scaffold626	479915	AA	GG	1940462198
SNP_P1_200254_479947	NW_004516049.1	Scaffold626	479947	TT	CC	1940462199
SNP_P1_200255_480045	NW_004516049.1	Scaffold626	480045	AA	GG	1940462200
SNP_P1_200256_480075	NW_004516049.1	Scaffold626	480075	CC	AA	1940462201
SNP_P1_200257_480120	NW_004516049.1	Scaffold626	480120	CC	TT	1940462202
SNP_P1_200258_480185	NW_004516049.1	Scaffold626	480185	TT	CC	1940462203
SNP_P1_200259_480279	NW_004516049.1	Scaffold626	480279	GG	AA	1940462204
SNP_P1_200260_480397	NW_004516049.1	Scaffold626	480397	CC	TT	1940462205
SNP_P1_200261_480524	NW_004516049.1	Scaffold626	480524	TT	CC	1940462206
SNP_P1_200262_480542	NW_004516049.1	Scaffold626	480542	GG	CC	1940462207
SNP_P1_200263_480618	NW_004516049.1	Scaffold626	480618	AA	TT	1940462208
SNP_P1_200264_480760	NW_004516049.1	Scaffold626	480760	TT	CC	1940462209
SNP_P1_200265_480783	NW_004516049.1	Scaffold626	480783	AA	GG	1940462210
SNP_P1_200266_480881	NW_004516049.1	Scaffold626	480881	CC	TT	1940462211
SNP_P1_200267_480953	NW_004516049.1	Scaffold626	480953	CC	GG	1940462212
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SNP_P1_200272_483322	NW_004516049.1	Scaffold626	483322	CC	TT	1940462217
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SNP_P1_200274_483431	NW_004516049.1	Scaffold626	483431	AA	CC	1940462219
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SNP_P1_200278_483829	NW_004516049.1	Scaffold626	483829	CC	AA	1940462223
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200282_484032	NW_004516049.1	Scaffold626	484032	AA	GG	1940462227
SNP_P1_200283_484151	NW_004516049.1	Scaffold626	484151	GG	AA	1940462228
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SNP_P1_200288_484233	NW_004516049.1	Scaffold626	484233	GG	AA	1940462233
SNP_P1_200289_484305	NW_004516049.1	Scaffold626	484305	GG	AA	1940462234
SNP_P1_200290_484346	NW_004516049.1	Scaffold626	484346	TT	CC	1940462235
SNP_P1_200291_484431	NW_004516049.1	Scaffold626	484431	AA	GG	1940462236
SNP_P1_200292_484606	NW_004516049.1	Scaffold626	484606	CC	TT	1940462237
SNP_P1_200293_484743	NW_004516049.1	Scaffold626	484743	TT	GG	1940462238
SNP_P1_200294_484839	NW_004516049.1	Scaffold626	484839	TT	AA	1940462239
SNP_P1_200295_484851	NW_004516049.1	Scaffold626	484851	CC	AA	1940462240
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SNP_P1_200299_484951	NW_004516049.1	Scaffold626	484951	GG	TT	1940462244
SNP_P1_200300_485037	NW_004516049.1	Scaffold626	485037	CC	TT	1940462245
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SNP_P1_200302_485143	NW_004516049.1	Scaffold626	485143	CC	AA	1940462247
SNP_P1_200303_485183	NW_004516049.1	Scaffold626	485183	GG	TT	1940462248
SNP_P1_200304_485256	NW_004516049.1	Scaffold626	485256	CC	TT	1940462249
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SNP_P1_200315_488177	NW_004516049.1	Scaffold626	488177	TT	CC	1940462258
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SNP_P1_200317_488414	NW_004516049.1	Scaffold626	488414	TT	CC	1940462260
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SNP_P1_200319_488507	NW_004516049.1	Scaffold626	488507	AA	TT	1940462262
SNP_P1_200320_488516	NW_004516049.1	Scaffold626	488516	CC	TT	1940462263
SNP_P1_200321_488893	NW_004516049.1	Scaffold626	488893	AA	TT	1940462264
SNP_P1_200322_490135	NW_004516049.1	Scaffold626	490135	TT	AA	1940462265
SNP_P1_200323_493631	NW_004516049.1	Scaffold626	493631	CC	TT	1940462266

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SNP_P1_200326_502795	NW_004516049.1	Scaffold626	502795	TT	AA	1940462269
SNP_P1_200327_503109	NW_004516049.1	Scaffold626	503109	TT	GG	1940462270
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SNP_P1_200338_505462	NW_004516049.1	Scaffold626	505462	TT	CC	1940462281
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SNP_P1_200361_510280	NW_004516049.1	Scaffold626	510280	TT	CC	1940462303
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SNP_P1_200364_510622	NW_004516049.1	Scaffold626	510622	TT	GG	1940462306
SNP_P1_200365_510650	NW_004516049.1	Scaffold626	510650	TT	CC	1940462307
SNP_P1_200366_510662	NW_004516049.1	Scaffold626	510662	TT	AA	1940462308
SNP_P1_200367_510689	NW_004516049.1	Scaffold626	510689	CC	TT	1940462309

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SNP_P1_200370_512580	NW_004516049.1	Scaffold626	512580	AA	GG	1940462312
SNP_P1_200372_512661	NW_004516049.1	Scaffold626	512661	AA	GG	1940462313
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SNP_P1_200376_515313	NW_004516049.1	Scaffold626	515313	TT	CC	1940462316
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SNP_P1_200387_517125	NW_004516049.1	Scaffold626	517125	GG	AA	1940462327
SNP_P1_200388_517182	NW_004516049.1	Scaffold626	517182	TT	GG	1940462328
SNP_P1_200389_517291	NW_004516049.1	Scaffold626	517291	AA	GG	1940462329
SNP_P1_200390_517406	NW_004516049.1	Scaffold626	517406	GG	AA	1940462330
SNP_P1_200391_517654	NW_004516049.1	Scaffold626	517654	CC	AA	1940462331
SNP_P1_200392_517737	NW_004516049.1	Scaffold626	517737	TT	CC	1940462332
SNP_P1_200393_517835	NW_004516049.1	Scaffold626	517835	CC	GG	1940462333
SNP_P1_200394_518014	NW_004516049.1	Scaffold626	518014	GG	AA	1940462334
SNP_P1_200395_519145	NW_004516049.1	Scaffold626	519145	AA	CC	1940462335
SNP_P1_200396_519189	NW_004516049.1	Scaffold626	519189	CC	AA	1940462336
SNP_P1_200397_519221	NW_004516049.1	Scaffold626	519221	AA	CC	1940462337
SNP_P1_200398_519227	NW_004516049.1	Scaffold626	519227	CC	GG	1940462338
SNP_P1_200399_519287	NW_004516049.1	Scaffold626	519287	AA	CC	1940462339
SNP_P1_200400_519323	NW_004516049.1	Scaffold626	519323	GG	CC	1940462340
SNP_P1_200401_519347	NW_004516049.1	Scaffold626	519347	GG	TT	1940462341
SNP_P1_200402_519351	NW_004516049.1	Scaffold626	519351	CC	GG	1940462342
SNP_P1_200403_519409	NW_004516049.1	Scaffold626	519409	GG	TT	1940462343
SNP_P1_200404_519428	NW_004516049.1	Scaffold626	519428	TT	CC	1940462344
SNP_P1_200405_519529	NW_004516049.1	Scaffold626	519529	CC	GG	1940462345
SNP_P1_200406_519541	NW_004516049.1	Scaffold626	519541	AA	CC	1940462346
SNP_P1_200407_519574	NW_004516049.1	Scaffold626	519574	AA	CC	1940462347
SNP_P1_200408_519603	NW_004516049.1	Scaffold626	519603	TT	AA	1940462348
SNP_P1_200409_519613	NW_004516049.1	Scaffold626	519613	CC	GG	1940462349
SNP_P1_200410_520074	NW_004516049.1	Scaffold626	520074	GG	AA	1940462350
SNP_P1_200411_520284	NW_004516049.1	Scaffold626	520284	TT	CC	1940462351

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200413_520339	NW_004516049.1	Scaffold626	520339	CC	TT	1940462353
SNP_P1_200414_520344	NW_004516049.1	Scaffold626	520344	CC	GG	1940462354
SNP_P1_200416_520426	NW_004516049.1	Scaffold626	520426	AA	TT	1940462355
SNP_P1_200417_520454	NW_004516049.1	Scaffold626	520454	TT	CC	1940462356
SNP_P1_200418_520696	NW_004516049.1	Scaffold626	520696	TT	CC	1940462357
SNP_P1_200419_520824	NW_004516049.1	Scaffold626	520824	TT	AA	1940462358
SNP_P1_200420_521180	NW_004516049.1	Scaffold626	521180	GG	AA	1940462359
SNP_P1_200421_521192	NW_004516049.1	Scaffold626	521192	TT	GG	1940462360
SNP_P1_200422_521450	NW_004516049.1	Scaffold626	521450	TT	GG	1940462361
SNP_P1_200423_521632	NW_004516049.1	Scaffold626	521632	GG	TT	1940462362
SNP_P1_200424_521721	NW_004516049.1	Scaffold626	521721	CC	GG	1940462363
SNP_P1_200425_521831	NW_004516049.1	Scaffold626	521831	GG	TT	1940462364
SNP_P1_200426_521923	NW_004516049.1	Scaffold626	521923	GG	AA	1940462365
SNP_P1_200427_521935	NW_004516049.1	Scaffold626	521935	GG	AA	1940462366
SNP_P1_200428_522012	NW_004516049.1	Scaffold626	522012	TT	AA	1940462367
SNP_P1_200429_522033	NW_004516049.1	Scaffold626	522033	GG	CC	1940462368
SNP_P1_200430_522083	NW_004516049.1	Scaffold626	522083	TT	CC	1940462369
SNP_P1_200431_522327	NW_004516049.1	Scaffold626	522327	AA	GG	1940462370
SNP_P1_200432_522349	NW_004516049.1	Scaffold626	522349	GG	TT	1940462371
SNP_P1_200434_522445	NW_004516049.1	Scaffold626	522445	GG	AA	1940462372
SNP_P1_200435_522582	NW_004516049.1	Scaffold626	522582	TT	CC	1940462373
SNP_P1_200436_522616	NW_004516049.1	Scaffold626	522616	CC	TT	1940462374
SNP_P1_200437_522797	NW_004516049.1	Scaffold626	522797	AA	GG	1940462375
SNP_P1_200438_522798	NW_004516049.1	Scaffold626	522798	GG	AA	1940462376
SNP_P1_200439_522832	NW_004516049.1	Scaffold626	522832	AA	TT	1940462377
SNP_P1_200440_522834	NW_004516049.1	Scaffold626	522834	GG	CC	1940462378
SNP_P1_200441_522970	NW_004516049.1	Scaffold626	522970	TT	GG	1940462379
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SNP_P1_200443_523098	NW_004516049.1	Scaffold626	523098	TT	AA	1940462381
SNP_P1_200444_523218	NW_004516049.1	Scaffold626	523218	AA	GG	1940462382
SNP_P1_200445_523458	NW_004516049.1	Scaffold626	523458	GG	AA	1940462383
SNP_P1_200446_523642	NW_004516049.1	Scaffold626	523642	GG	CC	1940462384
SNP_P1_200447_523702	NW_004516049.1	Scaffold626	523702	AA	CC	1940462385
SNP_P1_200448_523844	NW_004516049.1	Scaffold626	523844	CC	TT	1940462386
SNP_P1_200449_523868	NW_004516049.1	Scaffold626	523868	GG	CC	1940462387
SNP_P1_200450_523870	NW_004516049.1	Scaffold626	523870	GG	CC	1940462388
SNP_P1_200451_524134	NW_004516049.1	Scaffold626	524134	TT	GG	1940462389
SNP_P1_200452_524202	NW_004516049.1	Scaffold626	524202	CC	TT	1940462390
SNP_P1_200453_524231	NW_004516049.1	Scaffold626	524231	TT	CC	1940462391
SNP_P1_200454_524239	NW_004516049.1	Scaffold626	524239	AA	TT	1940462392
SNP_P1_200455_524287	NW_004516049.1	Scaffold626	524287	AA	GG	1940462393

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200458_524364	NW_004516049.1	Scaffold626	524364	TT	CC	1940462396
SNP_P1_200459_524495	NW_004516049.1	Scaffold626	524495	TT	CC	1940462397
SNP_P1_200460_524512	NW_004516049.1	Scaffold626	524512	GG	AA	1940462398
SNP_P1_200461_524559	NW_004516049.1	Scaffold626	524559	GG	TT	1940462399
SNP_P1_200463_524763	NW_004516049.1	Scaffold626	524763	CC	TT	1940462400
SNP_P1_200464_525038	NW_004516049.1	Scaffold626	525038	AA	GG	1940462401
SNP_P1_200465_525091	NW_004516049.1	Scaffold626	525091	GG	AA	1940462402
SNP_P1_200466_525130	NW_004516049.1	Scaffold626	525130	AA	GG	1940462403
SNP_P1_200467_525166	NW_004516049.1	Scaffold626	525166	AA	GG	1940462404
SNP_P1_200468_525463	NW_004516049.1	Scaffold626	525463	GG	TT	1940462405
SNP_P1_200469_525476	NW_004516049.1	Scaffold626	525476	GG	CC	1940462406
SNP_P1_200470_525668	NW_004516049.1	Scaffold626	525668	AA	TT	1940462407
SNP_P1_200471_525673	NW_004516049.1	Scaffold626	525673	CC	TT	1940462408
SNP_P1_200472_525691	NW_004516049.1	Scaffold626	525691	GG	AA	1940462409
SNP_P1_200473_525736	NW_004516049.1	Scaffold626	525736	GG	TT	1940462410
SNP_P1_200474_525765	NW_004516049.1	Scaffold626	525765	TT	CC	1940462411
SNP_P1_200475_525891	NW_004516049.1	Scaffold626	525891	TT	GG	1940462412
SNP_P1_200476_525951	NW_004516049.1	Scaffold626	525951	CC	AA	1940462413
SNP_P1_200477_525952	NW_004516049.1	Scaffold626	525952	GG	TT	1940462414
SNP_P1_200478_525999	NW_004516049.1	Scaffold626	525999	TT	GG	1940462415
SNP_P1_200479_526156	NW_004516049.1	Scaffold626	526156	CC	TT	1940462416
SNP_P1_200480_526167	NW_004516049.1	Scaffold626	526167	GG	TT	1940462417
SNP_P1_200481_526239	NW_004516049.1	Scaffold626	526239	TT	GG	1940462418
SNP_P1_200482_526836	NW_004516049.1	Scaffold626	526836	TT	CC	1940462419
SNP_P1_200483_526862	NW_004516049.1	Scaffold626	526862	TT	AA	1940462420
SNP_P1_200484_526867	NW_004516049.1	Scaffold626	526867	GG	AA	1940462421
SNP_P1_200485_526899	NW_004516049.1	Scaffold626	526899	TT	CC	1940462422
SNP_P1_200486_526925	NW_004516049.1	Scaffold626	526925	AA	TT	1940462423
SNP_P1_200487_526952	NW_004516049.1	Scaffold626	526952	AA	TT	1940462424
SNP_P1_200488_526963	NW_004516049.1	Scaffold626	526963	CC	TT	1940462425
SNP_P1_200489_527003	NW_004516049.1	Scaffold626	527003	GG	CC	1940462426
SNP_P1_200490_527024	NW_004516049.1	Scaffold626	527024	TT	CC	1940462427
SNP_P1_200491_527063	NW_004516049.1	Scaffold626	527063	GG	AA	1940462428
SNP_P1_200492_527065	NW_004516049.1	Scaffold626	527065	GG	AA	1940462429
SNP_P1_200493_527079	NW_004516049.1	Scaffold626	527079	AA	GG	1940462430
SNP_P1_200494_527228	NW_004516049.1	Scaffold626	527228	TT	GG	1940462431
SNP_P1_200495_527231	NW_004516049.1	Scaffold626	527231	GG	AA	1940462432
SNP_P1_200496_527236	NW_004516049.1	Scaffold626	527236	AA	CC	1940462433
SNP_P1_200497_527238	NW_004516049.1	Scaffold626	527238	AA	GG	1940462434
SNP_P1_200498_527320	NW_004516049.1	Scaffold626	527320	AA	CC	1940462435

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200500_527365	NW_004516049.1	Scaffold626	527365	TT	CC	1940462437
SNP_P1_200501_527434	NW_004516049.1	Scaffold626	527434	CC	GG	1940462439
SNP_P1_200502_527514	NW_004516049.1	Scaffold626	527514	GG	CC	1940462440
SNP_P1_200504_527883	NW_004516049.1	Scaffold626	527883	AA	GG	1940462441
SNP_P1_200505_529740	NW_004516049.1	Scaffold626	529740	GG	CC	1940462442
SNP_P1_200506_529956	NW_004516049.1	Scaffold626	529956	TT	GG	1940462443
SNP_P1_200507_530127	NW_004516049.1	Scaffold626	530127	AA	GG	1940462444
SNP_P1_200508_530397	NW_004516049.1	Scaffold626	530397	GG	AA	1940462445
SNP_P1_200509_530710	NW_004516049.1	Scaffold626	530710	GG	AA	1940462446
SNP_P1_200510_530885	NW_004516049.1	Scaffold626	530885	CC	AA	1940462447
SNP_P1_200511_530909	NW_004516049.1	Scaffold626	530909	GG	TT	1940462448
SNP_P1_200512_530920	NW_004516049.1	Scaffold626	530920	GG	AA	1940462449
SNP_P1_200513_531150	NW_004516049.1	Scaffold626	531150	AA	GG	1940462450
SNP_P1_200514_531195	NW_004516049.1	Scaffold626	531195	CC	TT	1940462451
SNP_P1_200515_531200	NW_004516049.1	Scaffold626	531200	CC	AA	1940462452
SNP_P1_200516_531257	NW_004516049.1	Scaffold626	531257	CC	AA	1940462453
SNP_P1_200517_531319	NW_004516049.1	Scaffold626	531319	CC	AA	1940462454
SNP_P1_200518_531329	NW_004516049.1	Scaffold626	531329	AA	GG	1940462455
SNP_P1_200519_531421	NW_004516049.1	Scaffold626	531421	CC	TT	1940462456
SNP_P1_200520_531422	NW_004516049.1	Scaffold626	531422	AA	GG	1940462457
SNP_P1_200521_531556	NW_004516049.1	Scaffold626	531556	GG	CC	1940462458
SNP_P1_200522_532666	NW_004516049.1	Scaffold626	532666	CC	TT	1940462459
SNP_P1_200523_533551	NW_004516049.1	Scaffold626	533551	TT	AA	1940462460
SNP_P1_200524_533605	NW_004516049.1	Scaffold626	533605	CC	GG	1940462461
SNP_P1_200525_542727	NW_004516049.1	Scaffold626	542727	TT	CC	1940462462
SNP_P1_200526_542978	NW_004516049.1	Scaffold626	542978	CC	TT	1940462463
SNP_P1_200527_542980	NW_004516049.1	Scaffold626	542980	GG	CC	1940462464
SNP_P1_200528_543266	NW_004516049.1	Scaffold626	543266	CC	GG	1940462465
SNP_P1_200529_544139	NW_004516049.1	Scaffold626	544139	TT	GG	1940462466
SNP_P1_200530_544549	NW_004516049.1	Scaffold626	544549	CC	GG	1940462467
SNP_P1_200531_544565	NW_004516049.1	Scaffold626	544565	CC	GG	1940462468
SNP_P1_200532_545049	NW_004516049.1	Scaffold626	545049	TT	CC	1940462469
SNP_P1_200533_545597	NW_004516049.1	Scaffold626	545597	CC	TT	1940462470
SNP_P1_200534_545601	NW_004516049.1	Scaffold626	545601	GG	CC	1940462471
SNP_P1_200535_545930	NW_004516049.1	Scaffold626	545930	CC	TT	1940462472
SNP_P1_200536_545995	NW_004516049.1	Scaffold626	545995	AA	GG	1940462473
SNP_P1_200537_546158	NW_004516049.1	Scaffold626	546158	AA	GG	1940462474
SNP_P1_200538_546181	NW_004516049.1	Scaffold626	546181	CC	AA	1940462475
SNP_P1_200539_546186	NW_004516049.1	Scaffold626	546186	AA	GG	1940462476
SNP_P1_200540_546207	NW_004516049.1	Scaffold626	546207	AA	TT	1940462477
SNP_P1_200541_546286	NW_004516049.1	Scaffold626	546286	TT	AA	1940462478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200543_546576	NW_004516049.1	Scaffold626	546576	CC	AA	1940462480
SNP_P1_200544_549417	NW_004516049.1	Scaffold626	549417	TT	AA	1940462481
SNP_P1_200545_549597	NW_004516049.1	Scaffold626	549597	GG	AA	1940462482
SNP_P1_200546_549607	NW_004516049.1	Scaffold626	549607	CC	GG	1940462483
SNP_P1_200547_549736	NW_004516049.1	Scaffold626	549736	AA	GG	1940462484
SNP_P1_200548_549855	NW_004516049.1	Scaffold626	549855	CC	TT	1940462485
SNP_P1_200549_549996	NW_004516049.1	Scaffold626	549996	AA	GG	1940462486
SNP_P1_200550_550000	NW_004516049.1	Scaffold626	550000	AA	GG	1940462487
SNP_P1_200551_550076	NW_004516049.1	Scaffold626	550076	AA	GG	1940462488
SNP_P1_200552_550209	NW_004516049.1	Scaffold626	550209	TT	GG	1940462489
SNP_P1_200553_550217	NW_004516049.1	Scaffold626	550217	CC	TT	1940462490
SNP_P1_200554_550269	NW_004516049.1	Scaffold626	550269	GG	TT	1940462491
SNP_P1_200555_550338	NW_004516049.1	Scaffold626	550338	TT	GG	1940462492
SNP_P1_200556_550437	NW_004516049.1	Scaffold626	550437	GG	AA	1940462493
SNP_P1_200557_551601	NW_004516049.1	Scaffold626	551601	TT	CC	1940462494
SNP_P1_200558_551912	NW_004516049.1	Scaffold626	551912	TT	CC	1940462495
SNP_P1_200559_551976	NW_004516049.1	Scaffold626	551976	GG	AA	1940462496
SNP_P1_200560_551982	NW_004516049.1	Scaffold626	551982	TT	GG	1940462497
SNP_P1_200561_551983	NW_004516049.1	Scaffold626	551983	TT	CC	1940462498
SNP_P1_200562_552001	NW_004516049.1	Scaffold626	552001	AA	CC	1940462499
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SNP_P1_200564_552064	NW_004516049.1	Scaffold626	552064	AA	GG	1940462501
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SNP_P1_200567_552275	NW_004516049.1	Scaffold626	552275	TT	CC	1940462504
SNP_P1_200568_552316	NW_004516049.1	Scaffold626	552316	GG	TT	1940462505
SNP_P1_200569_552361	NW_004516049.1	Scaffold626	552361	AA	TT	1940462506
SNP_P1_200570_552392	NW_004516049.1	Scaffold626	552392	AA	TT	1940462507
SNP_P1_200571_552397	NW_004516049.1	Scaffold626	552397	CC	AA	1940462508
SNP_P1_200572_552400	NW_004516049.1	Scaffold626	552400	CC	TT	1940462509
SNP_P1_200573_552435	NW_004516049.1	Scaffold626	552435	GG	CC	1940462510
SNP_P1_200574_552457	NW_004516049.1	Scaffold626	552457	GG	TT	1940462511
SNP_P1_200575_552459	NW_004516049.1	Scaffold626	552459	TT	AA	1940462512
SNP_P1_200576_552537	NW_004516049.1	Scaffold626	552537	CC	GG	1940462513
SNP_P1_200577_552547	NW_004516049.1	Scaffold626	552547	GG	CC	1940462514
SNP_P1_200578_552572	NW_004516049.1	Scaffold626	552572	AA	CC	1940462515
SNP_P1_200579_552578	NW_004516049.1	Scaffold626	552578	TT	GG	1940462516
SNP_P1_200580_552615	NW_004516049.1	Scaffold626	552615	AA	TT	1940462517
SNP_P1_200581_552682	NW_004516049.1	Scaffold626	552682	GG	AA	1940462518
SNP_P1_200582_552729	NW_004516049.1	Scaffold626	552729	CC	TT	1940462519
SNP_P1_200583_552756	NW_004516049.1	Scaffold626	552756	CC	TT	1940462520

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SNP_P1_200586_552960	NW_004516049.1	Scaffold626	552960	TT	CC	1940462523
SNP_P1_200587_553027	NW_004516049.1	Scaffold626	553027	TT	AA	1940462524
SNP_P1_200588_553045	NW_004516049.1	Scaffold626	553045	AA	GG	1940462525
SNP_P1_200589_553158	NW_004516049.1	Scaffold626	553158	GG	CC	1940462526
SNP_P1_200591_553195	NW_004516049.1	Scaffold626	553195	CC	GG	1940462527
SNP_P1_200592_553311	NW_004516049.1	Scaffold626	553311	TT	CC	1940462528
SNP_P1_200593_553515	NW_004516049.1	Scaffold626	553515	AA	GG	1940462529
SNP_P1_200594_553635	NW_004516049.1	Scaffold626	553635	GG	AA	1940462530
SNP_P1_200595_553640	NW_004516049.1	Scaffold626	553640	GG	AA	1940462531
SNP_P1_200596_553673	NW_004516049.1	Scaffold626	553673	AA	GG	1940462532
SNP_P1_200597_553838	NW_004516049.1	Scaffold626	553838	TT	GG	1940462533
SNP_P1_200599_553941	NW_004516049.1	Scaffold626	553941	AA	GG	1940462534
SNP_P1_200600_554258	NW_004516049.1	Scaffold626	554258	AA	GG	1940462535
SNP_P1_200601_554263	NW_004516049.1	Scaffold626	554263	CC	TT	1940462536
SNP_P1_200602_554277	NW_004516049.1	Scaffold626	554277	GG	AA	1940462537
SNP_P1_200603_554372	NW_004516049.1	Scaffold626	554372	GG	AA	1940462538
SNP_P1_200604_554502	NW_004516049.1	Scaffold626	554502	TT	CC	1940462539
SNP_P1_200605_554514	NW_004516049.1	Scaffold626	554514	AA	CC	1940462540
SNP_P1_200606_554561	NW_004516049.1	Scaffold626	554561	CC	TT	1940462541
SNP_P1_200607_554661	NW_004516049.1	Scaffold626	554661	GG	AA	1940462542
SNP_P1_200609_554748	NW_004516049.1	Scaffold626	554748	TT	CC	1940462543
SNP_P1_200610_554867	NW_004516049.1	Scaffold626	554867	CC	TT	1940462544
SNP_P1_200611_555043	NW_004516049.1	Scaffold626	555043	GG	AA	1940462545
SNP_P1_200612_555108	NW_004516049.1	Scaffold626	555108	TT	GG	1940462546
SNP_P1_200613_556170	NW_004516049.1	Scaffold626	556170	TT	CC	1940462547
SNP_P1_200614_556441	NW_004516049.1	Scaffold626	556441	AA	GG	1940462548
SNP_P1_200615_556472	NW_004516049.1	Scaffold626	556472	AA	TT	1940462549
SNP_P1_200616_556521	NW_004516049.1	Scaffold626	556521	AA	GG	1940462550
SNP_P1_200617_556656	NW_004516049.1	Scaffold626	556656	TT	CC	1940462551
SNP_P1_200618_556713	NW_004516049.1	Scaffold626	556713	CC	TT	1940462552
SNP_P1_200619_556730	NW_004516049.1	Scaffold626	556730	GG	AA	1940462553
SNP_P1_200620_556760	NW_004516049.1	Scaffold626	556760	GG	AA	1940462554
SNP_P1_200621_556772	NW_004516049.1	Scaffold626	556772	CC	TT	1940462555
SNP_P1_200622_556790	NW_004516049.1	Scaffold626	556790	CC	GG	1940462556
SNP_P1_200623_557120	NW_004516049.1	Scaffold626	557120	CC	TT	1940462557
SNP_P1_200624_557203	NW_004516049.1	Scaffold626	557203	GG	AA	1940462558
SNP_P1_200625_557682	NW_004516049.1	Scaffold626	557682	AA	CC	1940462559
SNP_P1_200626_557683	NW_004516049.1	Scaffold626	557683	AA	CC	1940462560
SNP_P1_200627_557766	NW_004516049.1	Scaffold626	557766	GG	TT	1940462561
SNP_P1_200628_558027	NW_004516049.1	Scaffold626	558027	CC	AA	1940462562

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200630_558179	NW_004516049.1	Scaffold626	558179	AA	GG	1940462564
SNP_P1_200631_558827	NW_004516049.1	Scaffold626	558827	GG	AA	1940462565
SNP_P1_200632_558878	NW_004516049.1	Scaffold626	558878	TT	AA	1940462566
SNP_P1_200633_558886	NW_004516049.1	Scaffold626	558886	AA	CC	1940462567
SNP_P1_200634_558920	NW_004516049.1	Scaffold626	558920	TT	AA	1940462568
SNP_P1_200635_559159	NW_004516049.1	Scaffold626	559159	TT	AA	1940462569
SNP_P1_200636_559167	NW_004516049.1	Scaffold626	559167	TT	CC	1940462570
SNP_P1_200637_559222	NW_004516049.1	Scaffold626	559222	TT	GG	1940462571
SNP_P1_200638_559315	NW_004516049.1	Scaffold626	559315	TT	GG	1940462572
SNP_P1_200639_559566	NW_004516049.1	Scaffold626	559566	CC	TT	1940462573
SNP_P1_200640_560768	NW_004516049.1	Scaffold626	560768	AA	GG	1940462574
SNP_P1_200641_561171	NW_004516049.1	Scaffold626	561171	AA	GG	1940462575
SNP_P1_200642_561186	NW_004516049.1	Scaffold626	561186	CC	GG	1940462576
SNP_P1_200643_561205	NW_004516049.1	Scaffold626	561205	TT	CC	1940462577
SNP_P1_200644_561248	NW_004516049.1	Scaffold626	561248	GG	TT	1940462578
SNP_P1_200645_561295	NW_004516049.1	Scaffold626	561295	AA	GG	1940462579
SNP_P1_200646_561348	NW_004516049.1	Scaffold626	561348	TT	AA	1940462580
SNP_P1_200647_561371	NW_004516049.1	Scaffold626	561371	AA	GG	1940462581
SNP_P1_200648_561382	NW_004516049.1	Scaffold626	561382	AA	TT	1940462582
SNP_P1_200649_561474	NW_004516049.1	Scaffold626	561474	GG	CC	1940462583
SNP_P1_200650_561537	NW_004516049.1	Scaffold626	561537	CC	TT	1940462584
SNP_P1_200651_561584	NW_004516049.1	Scaffold626	561584	TT	CC	1940462585
SNP_P1_200652_561747	NW_004516049.1	Scaffold626	561747	GG	TT	1940462586
SNP_P1_200653_561794	NW_004516049.1	Scaffold626	561794	CC	TT	1940462587
SNP_P1_200654_561847	NW_004516049.1	Scaffold626	561847	TT	CC	1940462588
SNP_P1_200655_561868	NW_004516049.1	Scaffold626	561868	GG	AA	1940462589
SNP_P1_200656_561906	NW_004516049.1	Scaffold626	561906	TT	CC	1940462590
SNP_P1_200657_561934	NW_004516049.1	Scaffold626	561934	CC	GG	1940462591
SNP_P1_200658_561988	NW_004516049.1	Scaffold626	561988	GG	TT	1940462592
SNP_P1_200659_562035	NW_004516049.1	Scaffold626	562035	TT	GG	1940462593
SNP_P1_200660_562159	NW_004516049.1	Scaffold626	562159	AA	GG	1940462594
SNP_P1_200661_562186	NW_004516049.1	Scaffold626	562186	TT	GG	1940462595
SNP_P1_200662_562193	NW_004516049.1	Scaffold626	562193	TT	CC	1940462596
SNP_P1_200663_562200	NW_004516049.1	Scaffold626	562200	TT	CC	1940462597
SNP_P1_200664_564410	NW_004516049.1	Scaffold626	564410	CC	TT	1940462598
SNP_P1_200665_568646	NW_004516049.1	Scaffold626	568646	AA	GG	1940462599
SNP_P1_200666_571653	NW_004516049.1	Scaffold626	571653	TT	CC	1940462600
SNP_P1_200667_571700	NW_004516049.1	Scaffold626	571700	TT	GG	1940462601
SNP_P1_200668_571980	NW_004516049.1	Scaffold626	571980	AA	GG	1940462602
SNP_P1_200669_572307	NW_004516049.1	Scaffold626	572307	TT	GG	1940462603
SNP_P1_200670_572498	NW_004516049.1	Scaffold626	572498	CC	AA	1940462604

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200673_573037	NW_004516049.1	Scaffold626	573037	CC	TT	1940462607
SNP_P1_200674_573058	NW_004516049.1	Scaffold626	573058	TT	CC	1940462608
SNP_P1_200675_573082	NW_004516049.1	Scaffold626	573082	AA	TT	1940462609
SNP_P1_200676_573308	NW_004516049.1	Scaffold626	573308	AA	GG	1940462610
SNP_P1_200677_573348	NW_004516049.1	Scaffold626	573348	GG	CC	1940462611
SNP_P1_200678_573357	NW_004516049.1	Scaffold626	573357	CC	AA	1940462612
SNP_P1_200679_574319	NW_004516049.1	Scaffold626	574319	AA	GG	1940462614
SNP_P1_200680_575002	NW_004516049.1	Scaffold626	575002	GG	TT	1940462615
SNP_P1_200681_576218	NW_004516049.1	Scaffold626	576218	TT	GG	1940462616
SNP_P1_200682_576441	NW_004516049.1	Scaffold626	576441	GG	AA	1940462617
SNP_P1_200683_576538	NW_004516049.1	Scaffold626	576538	CC	GG	1940462618
SNP_P1_200684_577217	NW_004516049.1	Scaffold626	577217	GG	AA	1940462619
SNP_P1_200685_580385	NW_004516049.1	Scaffold626	580385	GG	AA	1940462620
SNP_P1_200686_580410	NW_004516049.1	Scaffold626	580410	AA	GG	1940462621
SNP_P1_200687_580557	NW_004516049.1	Scaffold626	580557	AA	GG	1940462622
SNP_P1_200688_580584	NW_004516049.1	Scaffold626	580584	GG	CC	1940462623
SNP_P1_200689_580654	NW_004516049.1	Scaffold626	580654	CC	AA	1940462624
SNP_P1_200690_580751	NW_004516049.1	Scaffold626	580751	CC	TT	1940462625
SNP_P1_200691_580907	NW_004516049.1	Scaffold626	580907	AA	CC	1940462626
SNP_P1_200692_580958	NW_004516049.1	Scaffold626	580958	CC	AA	1940462627
SNP_P1_200693_580960	NW_004516049.1	Scaffold626	580960	GG	AA	1940462628
SNP_P1_200694_580995	NW_004516049.1	Scaffold626	580995	CC	TT	1940462629
SNP_P1_200695_581027	NW_004516049.1	Scaffold626	581027	CC	TT	1940462630
SNP_P1_200696_581811	NW_004516049.1	Scaffold626	581811	CC	TT	1940462631
SNP_P1_200697_581835	NW_004516049.1	Scaffold626	581835	GG	AA	1940462632
SNP_P1_200698_582038	NW_004516049.1	Scaffold626	582038	GG	CC	1940462633
SNP_P1_200699_587297	NW_004516049.1	Scaffold626	587297	CC	GG	1940462634
SNP_P1_200700_589019	NW_004516049.1	Scaffold626	589019	TT	CC	1940462635
SNP_P1_200701_589763	NW_004516049.1	Scaffold626	589763	TT	AA	1940462636
SNP_P1_200702_589773	NW_004516049.1	Scaffold626	589773	CC	AA	1940462637
SNP_P1_200703_589972	NW_004516049.1	Scaffold626	589972	AA	CC	1940462638
SNP_P1_200704_589973	NW_004516049.1	Scaffold626	589973	TT	CC	1940462639
SNP_P1_200705_590089	NW_004516049.1	Scaffold626	590089	TT	AA	1940462640
SNP_P1_200706_590445	NW_004516049.1	Scaffold626	590445	CC	TT	1940462641
SNP_P1_200707_590448	NW_004516049.1	Scaffold626	590448	AA	GG	1940462642
SNP_P1_200708_590917	NW_004516049.1	Scaffold626	590917	TT	CC	1940462643
SNP_P1_200709_591085	NW_004516049.1	Scaffold626	591085	AA	GG	1940462644
SNP_P1_200710_591302	NW_004516049.1	Scaffold626	591302	AA	CC	1940462645
SNP_P1_200711_591531	NW_004516049.1	Scaffold626	591531	GG	CC	1940462646
SNP_P1_200712_591655	NW_004516049.1	Scaffold626	591655	TT	AA	1940462647

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200715_592206	NW_004516049.1	Scaffold626	592206	GG	CC	1940462650
SNP_P1_200716_592208	NW_004516049.1	Scaffold626	592208	GG	TT	1940462651
SNP_P1_200717_592523	NW_004516049.1	Scaffold626	592523	CC	GG	1940462652
SNP_P1_200718_592869	NW_004516049.1	Scaffold626	592869	CC	TT	1940462653
SNP_P1_200719_593196	NW_004516049.1	Scaffold626	593196	GG	AA	1940462654
SNP_P1_200720_593205	NW_004516049.1	Scaffold626	593205	GG	AA	1940462655
SNP_P1_200721_593306	NW_004516049.1	Scaffold626	593306	TT	AA	1940462656
SNP_P1_200722_593541	NW_004516049.1	Scaffold626	593541	CC	TT	1940462657
SNP_P1_200723_593633	NW_004516049.1	Scaffold626	593633	TT	CC	1940462658
SNP_P1_200724_600911	NW_004516049.1	Scaffold626	600911	TT	AA	1940462659
SNP_P1_200725_605722	NW_004516049.1	Scaffold626	605722	AA	GG	1940462660
SNP_P1_200726_605816	NW_004516049.1	Scaffold626	605816	AA	GG	1940462661
SNP_P1_200727_608900	NW_004516049.1	Scaffold626	608900	AA	GG	1940462662
SNP_P1_200728_610475	NW_004516049.1	Scaffold626	610475	TT	GG	1940462663
SNP_P1_200729_627409	NW_004516049.1	Scaffold626	627409	GG	AA	1940462664
SNP_P1_200730_627499	NW_004516049.1	Scaffold626	627499	CC	AA	1940462665
SNP_P1_200731_629857	NW_004516049.1	Scaffold626	629857	AA	GG	1940462666
SNP_P1_200732_630895	NW_004516049.1	Scaffold626	630895	AA	TT	1940462667
SNP_P1_200733_631288	NW_004516049.1	Scaffold626	631288	TT	AA	1940462668
SNP_P1_200734_631365	NW_004516049.1	Scaffold626	631365	AA	TT	1940462669
SNP_P1_200735_631378	NW_004516049.1	Scaffold626	631378	AA	GG	1940462670
SNP_P1_200737_633981	NW_004516049.1	Scaffold626	633981	AA	GG	1940462671
SNP_P1_200738_634072	NW_004516049.1	Scaffold626	634072	CC	TT	1940462672
SNP_P1_200739_634103	NW_004516049.1	Scaffold626	634103	GG	AA	1940462673
SNP_P1_200740_634325	NW_004516049.1	Scaffold626	634325	AA	GG	1940462674
SNP_P1_200741_634367	NW_004516049.1	Scaffold626	634367	CC	GG	1940462675
SNP_P1_200742_634408	NW_004516049.1	Scaffold626	634408	GG	AA	1940462676
SNP_P1_200743_634481	NW_004516049.1	Scaffold626	634481	CC	TT	1940462677
SNP_P1_200744_634522	NW_004516049.1	Scaffold626	634522	AA	CC	1940462678
SNP_P1_200745_634523	NW_004516049.1	Scaffold626	634523	AA	CC	1940462679
SNP_P1_200747_3133	NW_004516050.1	Scaffold627	3133	TT	AA	1940462680
SNP_P1_200748_13501	NW_004516050.1	Scaffold627	13501	TT	GG	1940462681
SNP_P1_200750_41140	NW_004516050.1	Scaffold627	41140	GG	AA	1940462682
SNP_P1_200751_43478	NW_004516050.1	Scaffold627	43478	AA	GG	1940462683
SNP_P1_200752_43481	NW_004516050.1	Scaffold627	43481	AA	GG	1940462684
SNP_P1_200753_45807	NW_004516050.1	Scaffold627	45807	TT	CC	1940462685
SNP_P1_200754_45812	NW_004516050.1	Scaffold627	45812	GG	TT	1940462686
SNP_P1_200755_49582	NW_004516050.1	Scaffold627	49582	CC	TT	1940462687
SNP_P1_200756_49761	NW_004516050.1	Scaffold627	49761	AA	GG	1940462688
SNP_P1_200757_50338	NW_004516050.1	Scaffold627	50338	AA	GG	1940462689

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SNP_P1_200760_60833	NW_004516050.1	Scaffold627	60833	TT	CC	1940462692
SNP_P1_200761_60960	NW_004516050.1	Scaffold627	60960	CC	AA	1940462693
SNP_P1_200762_60962	NW_004516050.1	Scaffold627	60962	AA	CC	1940462694
SNP_P1_200763_61020	NW_004516050.1	Scaffold627	61020	GG	AA	1940462695
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SNP_P1_200765_61074	NW_004516050.1	Scaffold627	61074	TT	CC	1940462697
SNP_P1_200766_61126	NW_004516050.1	Scaffold627	61126	AA	CC	1940462698
SNP_P1_200767_61128	NW_004516050.1	Scaffold627	61128	CC	TT	1940462699
SNP_P1_200768_61263	NW_004516050.1	Scaffold627	61263	AA	GG	1940462700
SNP_P1_200769_61515	NW_004516050.1	Scaffold627	61515	CC	AA	1940462701
SNP_P1_200770_64560	NW_004516050.1	Scaffold627	64560	GG	AA	1940462702
SNP_P1_200771_65482	NW_004516050.1	Scaffold627	65482	TT	CC	1940462703
SNP_P1_200772_65528	NW_004516050.1	Scaffold627	65528	AA	GG	1940462704
SNP_P1_200773_66277	NW_004516050.1	Scaffold627	66277	GG	TT	1940462705
SNP_P1_200774_66337	NW_004516050.1	Scaffold627	66337	CC	TT	1940462706
SNP_P1_200775_66356	NW_004516050.1	Scaffold627	66356	AA	GG	1940462707
SNP_P1_200776_67905	NW_004516050.1	Scaffold627	67905	CC	TT	1940462708
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SNP_P1_200779_92724	NW_004516050.1	Scaffold627	92724	TT	CC	1940462710
SNP_P1_200780_92726	NW_004516050.1	Scaffold627	92726	TT	AA	1940462711
SNP_P1_200781_92729	NW_004516050.1	Scaffold627	92729	CC	AA	1940462712
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SNP_P1_200786_12657	NW_004516051.1	Scaffold629	12657	TT	GG	1940462715
SNP_P1_200787_12708	NW_004516051.1	Scaffold629	12708	TT	AA	1940462716
SNP_P1_200788_14576	NW_004516051.1	Scaffold629	14576	TT	CC	1940462717
SNP_P1_200789_14892	NW_004516051.1	Scaffold629	14892	AA	GG	1940462718
SNP_P1_200790_14944	NW_004516051.1	Scaffold629	14944	AA	TT	1940462719
SNP_P1_200791_15007	NW_004516051.1	Scaffold629	15007	TT	AA	1940462720
SNP_P1_200792_15303	NW_004516051.1	Scaffold629	15303	TT	CC	1940462721
SNP_P1_200793_30734	NW_004516051.1	Scaffold629	30734	GG	AA	1940462722
SNP_P1_200794_31078	NW_004516051.1	Scaffold629	31078	AA	GG	1940462723
SNP_P1_200795_39629	NW_004516051.1	Scaffold629	39629	TT	CC	1940462724
SNP_P1_200796_39633	NW_004516051.1	Scaffold629	39633	GG	AA	1940462725
SNP_P1_200797_39727	NW_004516051.1	Scaffold629	39727	TT	CC	1940462726
SNP_P1_200798_39735	NW_004516051.1	Scaffold629	39735	CC	AA	1940462727
SNP_P1_200799_39754	NW_004516051.1	Scaffold629	39754	GG	TT	1940462728
SNP_P1_200800_39997	NW_004516051.1	Scaffold629	39997	AA	CC	1940462729
SNP_P1_200801_40208	NW_004516051.1	Scaffold629	40208	TT	CC	1940462730
SNP_P1_200802_40219	NW_004516051.1	Scaffold629	40219	AA	TT	1940462731

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200805_56764	NW_004516051.1	Scaffold629	56764	TT	CC	1940462734
SNP_P1_200806_56776	NW_004516051.1	Scaffold629	56776	CC	TT	1940462735
SNP_P1_200807_56783	NW_004516051.1	Scaffold629	56783	GG	TT	1940462736
SNP_P1_200808_56914	NW_004516051.1	Scaffold629	56914	AA	GG	1940462737
SNP_P1_200809_56942	NW_004516051.1	Scaffold629	56942	TT	GG	1940462738
SNP_P1_200810_58283	NW_004516051.1	Scaffold629	58283	AA	GG	1940462739
SNP_P1_200811_58340	NW_004516051.1	Scaffold629	58340	TT	CC	1940462740
SNP_P1_200812_58369	NW_004516051.1	Scaffold629	58369	TT	GG	1940462741
SNP_P1_200813_58373	NW_004516051.1	Scaffold629	58373	AA	GG	1940462742
SNP_P1_200814_58376	NW_004516051.1	Scaffold629	58376	AA	GG	1940462743
SNP_P1_200815_58394	NW_004516051.1	Scaffold629	58394	AA	CC	1940462744
SNP_P1_200816_60413	NW_004516051.1	Scaffold629	60413	CC	TT	1940462745
SNP_P1_200817_60420	NW_004516051.1	Scaffold629	60420	CC	AA	1940462746
SNP_P1_200818_60438	NW_004516051.1	Scaffold629	60438	TT	AA	1940462747
SNP_P1_200819_77644	NW_004516051.1	Scaffold629	77644	AA	GG	1940462748
SNP_P1_200820_85828	NW_004516051.1	Scaffold629	85828	TT	CC	1940462749
SNP_P1_200821_86071	NW_004516051.1	Scaffold629	86071	AA	GG	1940462750
SNP_P1_200822_86079	NW_004516051.1	Scaffold629	86079	TT	AA	1940462751
SNP_P1_200823_86091	NW_004516051.1	Scaffold629	86091	TT	AA	1940462752
SNP_P1_200824_86548	NW_004516051.1	Scaffold629	86548	TT	GG	1940462753
SNP_P1_200825_92711	NW_004516051.1	Scaffold629	92711	CC	TT	1940462754
SNP_P1_200826_94588	NW_004516051.1	Scaffold629	94588	GG	CC	1940462755
SNP_P1_200827_1024	NW_004516052.1	Scaffold631	1024	CC	GG	1940462756
SNP_P1_200828_1234	NW_004516052.1	Scaffold631	1234	CC	GG	1940462757
SNP_P1_200829_1280	NW_004516052.1	Scaffold631	1280	TT	GG	1940462758
SNP_P1_200830_1335	NW_004516052.1	Scaffold631	1335	AA	GG	1940462759
SNP_P1_200831_1336	NW_004516052.1	Scaffold631	1336	AA	GG	1940462760
SNP_P1_200832_1341	NW_004516052.1	Scaffold631	1341	AA	TT	1940462761
SNP_P1_200833_1378	NW_004516052.1	Scaffold631	1378	CC	TT	1940462762
SNP_P1_200834_11969	NW_004516052.1	Scaffold631	11969	CC	TT	1940462763
SNP_P1_200835_11986	NW_004516052.1	Scaffold631	11986	AA	TT	1940462764
SNP_P1_200837_21390	NW_004516052.1	Scaffold631	21390	TT	AA	1940462765
SNP_P1_200838_21714	NW_004516052.1	Scaffold631	21714	CC	TT	1940462766
SNP_P1_200839_21739	NW_004516052.1	Scaffold631	21739	GG	AA	1940462767
SNP_P1_200840_22416	NW_004516052.1	Scaffold631	22416	AA	CC	1940462768
SNP_P1_200841_22429	NW_004516052.1	Scaffold631	22429	AA	GG	1940462770
SNP_P1_200842_22518	NW_004516052.1	Scaffold631	22518	GG	TT	1940462771
SNP_P1_200843_22729	NW_004516052.1	Scaffold631	22729	TT	GG	1940462772
SNP_P1_200844_22767	NW_004516052.1	Scaffold631	22767	TT	CC	1940462773
SNP_P1_200845_24799	NW_004516052.1	Scaffold631	24799	AA	CC	1940462774

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200847_25147	NW_004516052.1	Scaffold631	25147	CC	AA	1940462776
SNP_P1_200848_25200	NW_004516052.1	Scaffold631	25200	TT	CC	1940462777
SNP_P1_200849_25316	NW_004516052.1	Scaffold631	25316	CC	TT	1940462778
SNP_P1_200850_25325	NW_004516052.1	Scaffold631	25325	AA	GG	1940462779
SNP_P1_200851_25385	NW_004516052.1	Scaffold631	25385	AA	CC	1940462780
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SNP_P1_200853_32415	NW_004516052.1	Scaffold631	32415	GG	AA	1940462782
SNP_P1_200854_47320	NW_004516052.1	Scaffold631	47320	GG	AA	1940462783
SNP_P1_200855_52730	NW_004516052.1	Scaffold631	52730	TT	AA	1940462784
SNP_P1_200856_52750	NW_004516052.1	Scaffold631	52750	AA	GG	1940462785
SNP_P1_200857_52968	NW_004516052.1	Scaffold631	52968	TT	CC	1940462786
SNP_P1_200858_53043	NW_004516052.1	Scaffold631	53043	GG	CC	1940462787
SNP_P1_200859_53770	NW_004516052.1	Scaffold631	53770	CC	AA	1940462788
SNP_P1_200860_53795	NW_004516052.1	Scaffold631	53795	GG	TT	1940462789
SNP_P1_200861_54026	NW_004516052.1	Scaffold631	54026	AA	GG	1940462790
SNP_P1_200862_54193	NW_004516052.1	Scaffold631	54193	CC	TT	1940462791
SNP_P1_200863_54202	NW_004516052.1	Scaffold631	54202	TT	AA	1940462792
SNP_P1_200864_54205	NW_004516052.1	Scaffold631	54205	AA	CC	1940462793
SNP_P1_200865_54207	NW_004516052.1	Scaffold631	54207	GG	AA	1940462794
SNP_P1_200866_54217	NW_004516052.1	Scaffold631	54217	GG	AA	1940462795
SNP_P1_200867_56886	NW_004516052.1	Scaffold631	56886	AA	CC	1940462796
SNP_P1_200868_56890	NW_004516052.1	Scaffold631	56890	CC	AA	1940462797
SNP_P1_200869_56899	NW_004516052.1	Scaffold631	56899	CC	GG	1940462798
SNP_P1_200870_56909	NW_004516052.1	Scaffold631	56909	AA	CC	1940462799
SNP_P1_200871_56910	NW_004516052.1	Scaffold631	56910	TT	CC	1940462800
SNP_P1_200872_58607	NW_004516052.1	Scaffold631	58607	GG	CC	1940462801
SNP_P1_200873_61157	NW_004516052.1	Scaffold631	61157	TT	AA	1940462802
SNP_P1_200874_67613	NW_004516052.1	Scaffold631	67613	TT	AA	1940462803
SNP_P1_200875_67626	NW_004516052.1	Scaffold631	67626	AA	GG	1940462804
SNP_P1_200876_67676	NW_004516052.1	Scaffold631	67676	AA	GG	1940462805
SNP_P1_200877_67771	NW_004516052.1	Scaffold631	67771	TT	CC	1940462806
SNP_P1_200878_67777	NW_004516052.1	Scaffold631	67777	TT	AA	1940462807
SNP_P1_200879_67849	NW_004516052.1	Scaffold631	67849	AA	TT	1940462808
SNP_P1_200880_67914	NW_004516052.1	Scaffold631	67914	CC	TT	1940462809
SNP_P1_200881_67992	NW_004516052.1	Scaffold631	67992	GG	TT	1940462810
SNP_P1_200882_68188	NW_004516052.1	Scaffold631	68188	AA	TT	1940462811
SNP_P1_200883_68191	NW_004516052.1	Scaffold631	68191	GG	TT	1940462812
SNP_P1_200884_68193	NW_004516052.1	Scaffold631	68193	TT	CC	1940462813
SNP_P1_200885_68404	NW_004516052.1	Scaffold631	68404	AA	TT	1940462814
SNP_P1_200886_68415	NW_004516052.1	Scaffold631	68415	AA	GG	1940462815
SNP_P1_200887_68512	NW_004516052.1	Scaffold631	68512	CC	TT	1940462816

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_200889_68641	NW_004516052.1	Scaffold631	68641	GG	AA	1940462818
SNP_P1_200890_68725	NW_004516052.1	Scaffold631	68725	CC	TT	1940462819
SNP_P1_200891_69218	NW_004516052.1	Scaffold631	69218	AA	TT	1940462820
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SNP_P1_200894_70574	NW_004516052.1	Scaffold631	70574	TT	CC	1940462823
SNP_P1_200895_70787	NW_004516052.1	Scaffold631	70787	TT	CC	1940462824
SNP_P1_200896_70809	NW_004516052.1	Scaffold631	70809	GG	AA	1940462825
SNP_P1_200898_70831	NW_004516052.1	Scaffold631	70831	GG	AA	1940462826
SNP_P1_200899_70886	NW_004516052.1	Scaffold631	70886	GG	AA	1940462827
SNP_P1_200900_74221	NW_004516052.1	Scaffold631	74221	TT	AA	1940462828
SNP_P1_200901_74265	NW_004516052.1	Scaffold631	74265	TT	CC	1940462829
SNP_P1_200902_74473	NW_004516052.1	Scaffold631	74473	GG	TT	1940462830
SNP_P1_200903_74479	NW_004516052.1	Scaffold631	74479	TT	GG	1940462831
SNP_P1_200904_74719	NW_004516052.1	Scaffold631	74719	AA	TT	1940462832
SNP_P1_200905_74735	NW_004516052.1	Scaffold631	74735	GG	AA	1940462833
SNP_P1_200906_74806	NW_004516052.1	Scaffold631	74806	CC	TT	1940462834
SNP_P1_200907_74911	NW_004516052.1	Scaffold631	74911	CC	AA	1940462835
SNP_P1_200908_74958	NW_004516052.1	Scaffold631	74958	CC	TT	1940462836
SNP_P1_200909_75022	NW_004516052.1	Scaffold631	75022	AA	TT	1940462837
SNP_P1_200910_75261	NW_004516052.1	Scaffold631	75261	GG	AA	1940462838
SNP_P1_200911_75381	NW_004516052.1	Scaffold631	75381	AA	CC	1940462839
SNP_P1_200912_75517	NW_004516052.1	Scaffold631	75517	CC	TT	1940462840
SNP_P1_200913_79233	NW_004516052.1	Scaffold631	79233	CC	AA	1940462841
SNP_P1_200914_79254	NW_004516052.1	Scaffold631	79254	AA	GG	1940462842
SNP_P1_200915_79278	NW_004516052.1	Scaffold631	79278	AA	GG	1940462843
SNP_P1_200916_423	NW_004516053.1	Scaffold632	423	GG	CC	1940462844
SNP_P1_200917_426	NW_004516053.1	Scaffold632	426	CC	AA	1940462845
SNP_P1_200918_435	NW_004516053.1	Scaffold632	435	AA	TT	1940462846
SNP_P1_200919_449	NW_004516053.1	Scaffold632	449	GG	AA	1940462847
SNP_P1_200920_453	NW_004516053.1	Scaffold632	453	AA	GG	1940462848
SNP_P1_200921_543	NW_004516053.1	Scaffold632	543	TT	CC	1940462849
SNP_P1_200922_546	NW_004516053.1	Scaffold632	546	GG	TT	1940462850
SNP_P1_200923_787	NW_004516053.1	Scaffold632	787	TT	CC	1940462851
SNP_P1_200924_2830	NW_004516053.1	Scaffold632	2830	TT	GG	1940462852
SNP_P1_200925_5167	NW_004516053.1	Scaffold632	5167	TT	AA	1940462853
SNP_P1_200926_10131	NW_004516053.1	Scaffold632	10131	AA	GG	1940462854
SNP_P1_200927_10140	NW_004516053.1	Scaffold632	10140	GG	TT	1940462855
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SNP_P1_200929_10368	NW_004516053.1	Scaffold632	10368	TT	CC	1940462857
SNP_P1_200930_10369	NW_004516053.1	Scaffold632	10369	AA	GG	1940462858

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_200931_10411	NW_004516053.1	Scaffold632	10411	CC	AA	1940462859
SNP_P1_200932_17819	NW_004516053.1	Scaffold632	17819	AA	TT	1940462860
SNP_P1_200933_17837	NW_004516053.1	Scaffold632	17837	AA	TT	1940462861
SNP_P1_200934_17855	NW_004516053.1	Scaffold632	17855	TT	AA	1940462862
SNP_P1_200935_17859	NW_004516053.1	Scaffold632	17859	TT	CC	1940462863
SNP_P1_200936_17861	NW_004516053.1	Scaffold632	17861	TT	CC	1940462864
SNP_P1_200937_18149	NW_004516053.1	Scaffold632	18149	AA	GG	1940462865
SNP_P1_200938_371	NW_004516054.1	Scaffold633	371	GG	AA	1940462866
SNP_P1_200939_448	NW_004516054.1	Scaffold633	448	AA	GG	1940462867
SNP_P1_200940_711	NW_004516054.1	Scaffold633	711	AA	TT	1940462868
SNP_P1_200941_912	NW_004516055.1	Scaffold635	912	TT	GG	1940462869
SNP_P1_200942_9621	NW_004516057.1	Scaffold637	9621	CC	TT	1940462870
SNP_P1_200943_9716	NW_004516057.1	Scaffold637	9716	AA	CC	1940462871
SNP_P1_200944_9727	NW_004516057.1	Scaffold637	9727	AA	GG	1940462872
SNP_P1_200945_9757	NW_004516057.1	Scaffold637	9757	AA	GG	1940462873
SNP_P1_200946_9830	NW_004516057.1	Scaffold637	9830	AA	GG	1940462874
SNP_P1_200947_9857	NW_004516057.1	Scaffold637	9857	GG	AA	1940462875
SNP_P1_200948_22972	NW_004516057.1	Scaffold637	22972	GG	TT	1940462877
SNP_P1_200949_29307	NW_004516057.1	Scaffold637	29307	AA	GG	1940462878
SNP_P1_200951_65591	NW_004516057.1	Scaffold637	65591	TT	AA	1940462879
SNP_P1_200952_79212	NW_004516057.1	Scaffold637	79212	TT	CC	1940462880
SNP_P1_200953_90606	NW_004516057.1	Scaffold637	90606	GG	CC	1940462881
SNP_P1_200954_90640	NW_004516057.1	Scaffold637	90640	AA	GG	1940462882
SNP_P1_200955_95846	NW_004516057.1	Scaffold637	95846	CC	AA	1940462883
SNP_P1_200956_96195	NW_004516057.1	Scaffold637	96195	CC	AA	1940462884
SNP_P1_200958_123867	NW_004516057.1	Scaffold637	123867	GG	AA	1940462885
SNP_P1_200959_123990	NW_004516057.1	Scaffold637	123990	GG	AA	1940462886
SNP_P1_200960_124007	NW_004516057.1	Scaffold637	124007	TT	GG	1940462887
SNP_P1_200961_124038	NW_004516057.1	Scaffold637	124038	CC	AA	1940462888
SNP_P1_200962_124041	NW_004516057.1	Scaffold637	124041	GG	AA	1940462889
SNP_P1_200963_124068	NW_004516057.1	Scaffold637	124068	AA	CC	1940462890
SNP_P1_200964_124072	NW_004516057.1	Scaffold637	124072	AA	GG	1940462891
SNP_P1_200965_124088	NW_004516057.1	Scaffold637	124088	GG	AA	1940462892
SNP_P1_200966_124118	NW_004516057.1	Scaffold637	124118	AA	TT	1940462893
SNP_P1_200967_124130	NW_004516057.1	Scaffold637	124130	TT	AA	1940462894
SNP_P1_200968_124133	NW_004516057.1	Scaffold637	124133	AA	GG	1940462895
SNP_P1_200969_124221	NW_004516057.1	Scaffold637	124221	AA	CC	1940462896
SNP_P1_200970_124236	NW_004516057.1	Scaffold637	124236	GG	AA	1940462897
SNP_P1_200971_124636	NW_004516057.1	Scaffold637	124636	CC	TT	1940462898
SNP_P1_200972_124687	NW_004516057.1	Scaffold637	124687	TT	CC	1940462899
SNP_P1_200973_124701	NW_004516057.1	Scaffold637	124701	TT	AA	1940462900
SNP_P1_200974_124713	NW_004516057.1	Scaffold637	124713	GG	AA	1940462901

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SNP_P1_200977_134644	NW_004516057.1	Scaffold637	134644	AA	TT	1940462904
SNP_P1_200978_145363	NW_004516057.1	Scaffold637	145363	CC	AA	1940462905
SNP_P1_200979_145479	NW_004516057.1	Scaffold637	145479	CC	GG	1940462906
SNP_P1_200980_145513	NW_004516057.1	Scaffold637	145513	AA	GG	1940462907
SNP_P1_200981_162644	NW_004516057.1	Scaffold637	162644	AA	GG	1940462908
SNP_P1_200982_163116	NW_004516057.1	Scaffold637	163116	TT	CC	1940462909
SNP_P1_200983_163129	NW_004516057.1	Scaffold637	163129	CC	TT	1940462910
SNP_P1_200984_163158	NW_004516057.1	Scaffold637	163158	AA	GG	1940462911
SNP_P1_200985_169935	NW_004516057.1	Scaffold637	169935	AA	GG	1940462912
SNP_P1_200986_186476	NW_004516057.1	Scaffold637	186476	CC	AA	1940462913
SNP_P1_200987_186497	NW_004516057.1	Scaffold637	186497	TT	AA	1940462914
SNP_P1_200988_191857	NW_004516057.1	Scaffold637	191857	TT	CC	1940462915
SNP_P1_200989_193267	NW_004516057.1	Scaffold637	193267	TT	AA	1940462916
SNP_P1_200990_193308	NW_004516057.1	Scaffold637	193308	CC	GG	1940462917
SNP_P1_200991_193611	NW_004516057.1	Scaffold637	193611	AA	TT	1940462918
SNP_P1_200992_3597	NW_004516058.1	Scaffold639	3597	AA	GG	1940462919
SNP_P1_200993_4040	NW_004516058.1	Scaffold639	4040	GG	AA	1940462920
SNP_P1_200994_6694	NW_004516058.1	Scaffold639	6694	AA	CC	1940462921
SNP_P1_200995_6832	NW_004516058.1	Scaffold639	6832	CC	TT	1940462922
SNP_P1_200996_7013	NW_004516058.1	Scaffold639	7013	GG	AA	1940462923
SNP_P1_200997_7066	NW_004516058.1	Scaffold639	7066	CC	TT	1940462924
SNP_P1_200998_7081	NW_004516058.1	Scaffold639	7081	GG	TT	1940462925
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SNP_P1_201000_7138	NW_004516058.1	Scaffold639	7138	GG	CC	1940462927
SNP_P1_201001_7454	NW_004516058.1	Scaffold639	7454	CC	AA	1940462928
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SNP_P1_201004_9083	NW_004516058.1	Scaffold639	9083	CC	AA	1940462931
SNP_P1_201005_9203	NW_004516058.1	Scaffold639	9203	TT	AA	1940462932
SNP_P1_201006_9274	NW_004516058.1	Scaffold639	9274	GG	TT	1940462933
SNP_P1_201007_9409	NW_004516058.1	Scaffold639	9409	CC	AA	1940462934
SNP_P1_201010_11928	NW_004516058.1	Scaffold639	11928	GG	TT	1940462935
SNP_P1_201011_11930	NW_004516058.1	Scaffold639	11930	AA	CC	1940462936
SNP_P1_201012_13390	NW_004516058.1	Scaffold639	13390	AA	CC	1940462937
SNP_P1_201013_13595	NW_004516058.1	Scaffold639	13595	AA	GG	1940462938
SNP_P1_201014_18614	NW_004516058.1	Scaffold639	18614	TT	AA	1940462939
SNP_P1_201015_18680	NW_004516058.1	Scaffold639	18680	CC	TT	1940462940
SNP_P1_201016_18682	NW_004516058.1	Scaffold639	18682	TT	GG	1940462941
SNP_P1_201017_18694	NW_004516058.1	Scaffold639	18694	TT	CC	1940462942
SNP_P1_201018_18698	NW_004516058.1	Scaffold639	18698	TT	GG	1940462943

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SNP_P1_201020_18910	NW_004516058.1	Scaffold639	18910	AA	TT	1940462945
SNP_P1_201021_18911	NW_004516058.1	Scaffold639	18911	TT	GG	1940462946
SNP_P1_201022_19058	NW_004516058.1	Scaffold639	19058	TT	GG	1940462947
SNP_P1_201023_19066	NW_004516058.1	Scaffold639	19066	TT	CC	1940462948
SNP_P1_201024_21688	NW_004516058.1	Scaffold639	21688	AA	GG	1940462949
SNP_P1_201025_22437	NW_004516058.1	Scaffold639	22437	TT	GG	1940462950
SNP_P1_201026_26111	NW_004516058.1	Scaffold639	26111	TT	CC	1940462951
SNP_P1_201027_26129	NW_004516058.1	Scaffold639	26129	TT	GG	1940462952
SNP_P1_201028_30067	NW_004516058.1	Scaffold639	30067	CC	TT	1940462953
SNP_P1_201029_33154	NW_004516058.1	Scaffold639	33154	AA	TT	1940462954
SNP_P1_201030_33159	NW_004516058.1	Scaffold639	33159	AA	TT	1940462955
SNP_P1_201031_33171	NW_004516058.1	Scaffold639	33171	TT	CC	1940462956
SNP_P1_201032_33177	NW_004516058.1	Scaffold639	33177	AA	TT	1940462957
SNP_P1_201033_33195	NW_004516058.1	Scaffold639	33195	TT	GG	1940462958
SNP_P1_201034_34005	NW_004516058.1	Scaffold639	34005	AA	CC	1940462959
SNP_P1_201035_34056	NW_004516058.1	Scaffold639	34056	AA	TT	1940462960
SNP_P1_201036_34244	NW_004516058.1	Scaffold639	34244	AA	TT	1940462961
SNP_P1_201037_34264	NW_004516058.1	Scaffold639	34264	TT	CC	1940462962
SNP_P1_201038_35482	NW_004516058.1	Scaffold639	35482	CC	TT	1940462963
SNP_P1_201039_43384	NW_004516058.1	Scaffold639	43384	CC	TT	1940462964
SNP_P1_201040_43408	NW_004516058.1	Scaffold639	43408	AA	GG	1940462965
SNP_P1_201041_43422	NW_004516058.1	Scaffold639	43422	GG	AA	1940462966
SNP_P1_201042_43438	NW_004516058.1	Scaffold639	43438	GG	AA	1940462967
SNP_P1_201043_43870	NW_004516058.1	Scaffold639	43870	TT	GG	1940462968
SNP_P1_201044_45749	NW_004516058.1	Scaffold639	45749	GG	AA	1940462969
SNP_P1_201045_49038	NW_004516058.1	Scaffold639	49038	CC	TT	1940462970
SNP_P1_201046_53591	NW_004516058.1	Scaffold639	53591	CC	TT	1940462971
SNP_P1_201047_69646	NW_004516058.1	Scaffold639	69646	CC	AA	1940462972
SNP_P1_201048_69808	NW_004516058.1	Scaffold639	69808	GG	AA	1940462973
SNP_P1_201049_69817	NW_004516058.1	Scaffold639	69817	AA	GG	1940462974
SNP_P1_201050_69833	NW_004516058.1	Scaffold639	69833	GG	AA	1940462975
SNP_P1_201051_69857	NW_004516058.1	Scaffold639	69857	GG	AA	1940462976
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SNP_P1_201056_73487	NW_004516058.1	Scaffold639	73487	AA	CC	1940462981
SNP_P1_201057_73563	NW_004516058.1	Scaffold639	73563	AA	GG	1940462982
SNP_P1_201058_73783	NW_004516058.1	Scaffold639	73783	TT	GG	1940462983
SNP_P1_201059_78897	NW_004516058.1	Scaffold639	78897	GG	TT	1940462984
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_201063_92098	NW_004516058.1	Scaffold639	92098	GG	TT	1940462988
SNP_P1_201064_92121	NW_004516058.1	Scaffold639	92121	GG	AA	1940462989
SNP_P1_201065_92143	NW_004516058.1	Scaffold639	92143	TT	CC	1940462990
SNP_P1_201066_92453	NW_004516058.1	Scaffold639	92453	TT	CC	1940462991
SNP_P1_201067_92473	NW_004516058.1	Scaffold639	92473	AA	CC	1940462992
SNP_P1_201068_99982	NW_004516058.1	Scaffold639	99982	AA	GG	1940462993
SNP_P1_201069_102581	NW_004516058.1	Scaffold639	102581	GG	AA	1940462994
SNP_P1_201070_102604	NW_004516058.1	Scaffold639	102604	TT	CC	1940462995
SNP_P1_201071_102613	NW_004516058.1	Scaffold639	102613	GG	AA	1940462996
SNP_P1_201072_102631	NW_004516058.1	Scaffold639	102631	TT	AA	1940462997
SNP_P1_201073_102651	NW_004516058.1	Scaffold639	102651	GG	TT	1940462998
SNP_P1_201074_102672	NW_004516058.1	Scaffold639	102672	AA	CC	1940462999
SNP_P1_201075_102675	NW_004516058.1	Scaffold639	102675	AA	GG	1940463000
SNP_P1_201076_102685	NW_004516058.1	Scaffold639	102685	GG	AA	1940463001
SNP_P1_201078_104990	NW_004516058.1	Scaffold639	104990	GG	CC	1940463002
SNP_P1_201079_107091	NW_004516058.1	Scaffold639	107091	GG	AA	1940463003
SNP_P1_201080_113576	NW_004516058.1	Scaffold639	113576	AA	GG	1940463004
SNP_P1_201081_113773	NW_004516058.1	Scaffold639	113773	GG	AA	1940463005
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SNP_P1_201086_114341	NW_004516058.1	Scaffold639	114341	AA	CC	1940463009
SNP_P1_201087_114346	NW_004516058.1	Scaffold639	114346	GG	TT	1940463010
SNP_P1_201088_114355	NW_004516058.1	Scaffold639	114355	TT	CC	1940463011
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SNP_P1_201100_120038	NW_004516058.1	Scaffold639	120038	AA	CC	1940463023
SNP_P1_201101_120191	NW_004516058.1	Scaffold639	120191	AA	GG	1940463024
SNP_P1_201103_133743	NW_004516058.1	Scaffold639	133743	TT	CC	1940463025
SNP_P1_201104_134178	NW_004516058.1	Scaffold639	134178	GG	AA	1940463026
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_201108_172399	NW_004516058.1	Scaffold639	172399	TT	CC	1940463030
SNP_P1_201109_172448	NW_004516058.1	Scaffold639	172448	CC	AA	1940463031
SNP_P1_201110_172770	NW_004516058.1	Scaffold639	172770	AA	GG	1940463032
SNP_P1_201111_172785	NW_004516058.1	Scaffold639	172785	AA	GG	1940463033
SNP_P1_201112_172790	NW_004516058.1	Scaffold639	172790	AA	CC	1940463034
SNP_P1_201113_172808	NW_004516058.1	Scaffold639	172808	GG	TT	1940463035
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SNP_P1_201115_172817	NW_004516058.1	Scaffold639	172817	TT	AA	1940463037
SNP_P1_201116_172823	NW_004516058.1	Scaffold639	172823	AA	CC	1940463039
SNP_P1_201117_172841	NW_004516058.1	Scaffold639	172841	TT	CC	1940463040
SNP_P1_201118_172842	NW_004516058.1	Scaffold639	172842	AA	GG	1940463041
SNP_P1_201119_172871	NW_004516058.1	Scaffold639	172871	GG	TT	1940463042
SNP_P1_201120_172911	NW_004516058.1	Scaffold639	172911	TT	CC	1940463043
SNP_P1_201121_172940	NW_004516058.1	Scaffold639	172940	CC	TT	1940463044
SNP_P1_201122_172944	NW_004516058.1	Scaffold639	172944	TT	CC	1940463045
SNP_P1_201123_172955	NW_004516058.1	Scaffold639	172955	GG	TT	1940463046
SNP_P1_201124_172958	NW_004516058.1	Scaffold639	172958	GG	AA	1940463047
SNP_P1_201125_172985	NW_004516058.1	Scaffold639	172985	AA	GG	1940463048
SNP_P1_201126_173112	NW_004516058.1	Scaffold639	173112	GG	AA	1940463049
SNP_P1_201127_173306	NW_004516058.1	Scaffold639	173306	AA	TT	1940463050
SNP_P1_201128_173341	NW_004516058.1	Scaffold639	173341	TT	CC	1940463051
SNP_P1_201129_173389	NW_004516058.1	Scaffold639	173389	CC	TT	1940463052
SNP_P1_201130_182220	NW_004516058.1	Scaffold639	182220	AA	TT	1940463053
SNP_P1_201131_183114	NW_004516058.1	Scaffold639	183114	CC	AA	1940463054
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SNP_P1_201133_183335	NW_004516058.1	Scaffold639	183335	TT	CC	1940463056
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SNP_P1_201136_577	NW_004516059.1	Scaffold641	577	CC	TT	1940463059
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SNP_P1_201143_7349	NW_004516059.1	Scaffold641	7349	AA	GG	1940463066
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SNP_P1_201146_8171	NW_004516059.1	Scaffold641	8171	AA	TT	1940463069
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_201150_9413	NW_004516059.1	Scaffold641	9413	AA	TT	1940463073
SNP_P1_201151_3186	NW_004516060.1	Scaffold642	3186	GG	CC	1940463074
SNP_P1_201152_6848	NW_004516060.1	Scaffold642	6848	TT	AA	1940463075
SNP_P1_201153_14899	NW_004516060.1	Scaffold642	14899	GG	CC	1940463076
SNP_P1_201154_20650	NW_004516060.1	Scaffold642	20650	GG	AA	1940463077
SNP_P1_201155_20796	NW_004516060.1	Scaffold642	20796	CC	TT	1940463078
SNP_P1_201156_20799	NW_004516060.1	Scaffold642	20799	AA	GG	1940463079
SNP_P1_201157_20801	NW_004516060.1	Scaffold642	20801	AA	GG	1940463080
SNP_P1_201158_20812	NW_004516060.1	Scaffold642	20812	CC	GG	1940463081
SNP_P1_201160_27496	NW_004516060.1	Scaffold642	27496	AA	GG	1940463082
SNP_P1_201161_35582	NW_004516060.1	Scaffold642	35582	CC	AA	1940463083
SNP_P1_201162_52576	NW_004516060.1	Scaffold642	52576	CC	AA	1940463084
SNP_P1_201163_52602	NW_004516060.1	Scaffold642	52602	GG	AA	1940463085
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SNP_P1_201170_61982	NW_004516060.1	Scaffold642	61982	TT	CC	1940463090
SNP_P1_201171_62014	NW_004516060.1	Scaffold642	62014	GG	TT	1940463091
SNP_P1_201172_62408	NW_004516060.1	Scaffold642	62408	GG	AA	1940463092
SNP_P1_201173_62496	NW_004516060.1	Scaffold642	62496	CC	AA	1940463093
SNP_P1_201174_62711	NW_004516060.1	Scaffold642	62711	GG	AA	1940463094
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SNP_P1_201185_138087	NW_004516060.1	Scaffold642	138087	TT	CC	1940463103
SNP_P1_201186_147437	NW_004516060.1	Scaffold642	147437	GG	AA	1940463104
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SNP_P1_201189_147548	NW_004516060.1	Scaffold642	147548	AA	GG	1940463107
SNP_P1_201190_147623	NW_004516060.1	Scaffold642	147623	GG	TT	1940463108
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SNP_P1_201193_154158	NW_004516060.1	Scaffold642	154158	TT	CC	1940463111
SNP_P1_201194_169795	NW_004516060.1	Scaffold642	169795	GG	AA	1940463112

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_201198_178971	NW_004516060.1	Scaffold642	178971	CC	TT	1940463114
SNP_P1_201199_179018	NW_004516060.1	Scaffold642	179018	AA	GG	1940463115
SNP_P1_201200_179057	NW_004516060.1	Scaffold642	179057	AA	CC	1940463116
SNP_P1_201201_179092	NW_004516060.1	Scaffold642	179092	TT	GG	1940463117
SNP_P1_201202_179278	NW_004516060.1	Scaffold642	179278	CC	GG	1940463118
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SNP_P1_201204_179314	NW_004516060.1	Scaffold642	179314	AA	TT	1940463120
SNP_P1_201206_181964	NW_004516060.1	Scaffold642	181964	TT	GG	1940463121
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SNP_P1_201208_186933	NW_004516060.1	Scaffold642	186933	CC	TT	1940463123
SNP_P1_201209_187244	NW_004516060.1	Scaffold642	187244	GG	TT	1940463124
SNP_P1_201210_194098	NW_004516060.1	Scaffold642	194098	TT	GG	1940463125
SNP_P1_201211_194113	NW_004516060.1	Scaffold642	194113	GG	TT	1940463126
SNP_P1_201212_195398	NW_004516060.1	Scaffold642	195398	TT	GG	1940463127
SNP_P1_201213_205242	NW_004516060.1	Scaffold642	205242	GG	TT	1940463128
SNP_P1_201214_205307	NW_004516060.1	Scaffold642	205307	AA	TT	1940463129
SNP_P1_201215_205325	NW_004516060.1	Scaffold642	205325	GG	AA	1940463130
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SNP_P1_201223_314282	NW_004516060.1	Scaffold642	314282	TT	GG	1940463135
SNP_P1_201224_325079	NW_004516060.1	Scaffold642	325079	CC	TT	1940463136
SNP_P1_201226_325234	NW_004516060.1	Scaffold642	325234	AA	GG	1940463137
SNP_P1_201227_326266	NW_004516060.1	Scaffold642	326266	CC	GG	1940463138
SNP_P1_201228_327102	NW_004516060.1	Scaffold642	327102	TT	CC	1940463139
SNP_P1_201229_329267	NW_004516060.1	Scaffold642	329267	AA	GG	1940463140
SNP_P1_201230_331500	NW_004516060.1	Scaffold642	331500	CC	AA	1940463141
SNP_P1_201231_334143	NW_004516060.1	Scaffold642	334143	CC	AA	1940463142
SNP_P1_201232_334160	NW_004516060.1	Scaffold642	334160	TT	AA	1940463143
SNP_P1_201233_334166	NW_004516060.1	Scaffold642	334166	TT	AA	1940463144
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SNP_P1_201237_334500	NW_004516060.1	Scaffold642	334500	AA	GG	1940463148
SNP_P1_201238_334606	NW_004516060.1	Scaffold642	334606	GG	AA	1940463149
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SNP_P1_201242_337788	NW_004516060.1	Scaffold642	337788	GG	AA	1940463153
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SNP_P1_201246_346361	NW_004516060.1	Scaffold642	346361	CC	TT	1940463157
SNP_P1_201247_350977	NW_004516060.1	Scaffold642	350977	CC	TT	1940463158
SNP_P1_201248_351283	NW_004516060.1	Scaffold642	351283	CC	TT	1940463159
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SNP_P1_201250_351304	NW_004516060.1	Scaffold642	351304	CC	TT	1940463161
SNP_P1_201251_351324	NW_004516060.1	Scaffold642	351324	TT	CC	1940463162
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SNP_P1_201253_352876	NW_004516060.1	Scaffold642	352876	GG	TT	1940463164
SNP_P1_201254_363253	NW_004516060.1	Scaffold642	363253	TT	CC	1940463165
SNP_P1_201255_363279	NW_004516060.1	Scaffold642	363279	AA	GG	1940463166
SNP_P1_201256_363310	NW_004516060.1	Scaffold642	363310	CC	AA	1940463167
SNP_P1_201257_363312	NW_004516060.1	Scaffold642	363312	AA	GG	1940463168
SNP_P1_201258_372682	NW_004516060.1	Scaffold642	372682	CC	AA	1940463169
SNP_P1_201259_374899	NW_004516060.1	Scaffold642	374899	GG	TT	1940463170
SNP_P1_201260_378557	NW_004516060.1	Scaffold642	378557	AA	TT	1940463171
SNP_P1_201261_402795	NW_004516060.1	Scaffold642	402795	CC	TT	1940463172
SNP_P1_201262_406345	NW_004516060.1	Scaffold642	406345	TT	GG	1940463173
SNP_P1_201264_420965	NW_004516060.1	Scaffold642	420965	AA	GG	1940463174
SNP_P1_201265_423147	NW_004516060.1	Scaffold642	423147	TT	GG	1940463175
SNP_P1_201266_424287	NW_004516060.1	Scaffold642	424287	AA	GG	1940463176
SNP_P1_201268_432642	NW_004516060.1	Scaffold642	432642	AA	GG	1940463177
SNP_P1_201269_432718	NW_004516060.1	Scaffold642	432718	TT	AA	1940463178
SNP_P1_201270_432722	NW_004516060.1	Scaffold642	432722	CC	TT	1940463179
SNP_P1_201271_432770	NW_004516060.1	Scaffold642	432770	AA	CC	1940463180
SNP_P1_201272_432877	NW_004516060.1	Scaffold642	432877	AA	GG	1940463181
SNP_P1_201273_432916	NW_004516060.1	Scaffold642	432916	CC	TT	1940463182
SNP_P1_201274_432980	NW_004516060.1	Scaffold642	432980	CC	TT	1940463183
SNP_P1_201275_432982	NW_004516060.1	Scaffold642	432982	AA	GG	1940463184
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SNP_P1_201277_433001	NW_004516060.1	Scaffold642	433001	AA	GG	1940463186
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SNP_P1_201279_433028	NW_004516060.1	Scaffold642	433028	TT	CC	1940463188
SNP_P1_201280_436165	NW_004516060.1	Scaffold642	436165	GG	TT	1940463189
SNP_P1_201281_470048	NW_004516060.1	Scaffold642	470048	GG	AA	1940463190
SNP_P1_201282_487291	NW_004516060.1	Scaffold642	487291	CC	TT	1940463191
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SNP_P1_201284_489726	NW_004516060.1	Scaffold642	489726	GG	CC	1940463194
SNP_P1_201286_502809	NW_004516060.1	Scaffold642	502809	AA	TT	1940463195
SNP_P1_201287_507832	NW_004516060.1	Scaffold642	507832	AA	TT	1940463196
SNP_P1_201288_533488	NW_004516060.1	Scaffold642	533488	CC	AA	1940463197

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_201291_533725	NW_004516060.1	Scaffold642	533725	AA	GG	1940463199
SNP_P1_201292_533856	NW_004516060.1	Scaffold642	533856	TT	CC	1940463200
SNP_P1_201293_533867	NW_004516060.1	Scaffold642	533867	CC	TT	1940463201
SNP_P1_201294_533924	NW_004516060.1	Scaffold642	533924	TT	GG	1940463202
SNP_P1_201297_565271	NW_004516060.1	Scaffold642	565271	AA	TT	1940463203
SNP_P1_201299_594868	NW_004516060.1	Scaffold642	594868	AA	TT	1940463204
SNP_P1_201301_601477	NW_004516060.1	Scaffold642	601477	TT	GG	1940463205
SNP_P1_201302_601479	NW_004516060.1	Scaffold642	601479	AA	CC	1940463206
SNP_P1_201303_612148	NW_004516060.1	Scaffold642	612148	TT	CC	1940463207
SNP_P1_201304_612942	NW_004516060.1	Scaffold642	612942	AA	GG	1940463208
SNP_P1_201305_640649	NW_004516060.1	Scaffold642	640649	CC	TT	1940463209
SNP_P1_201306_640693	NW_004516060.1	Scaffold642	640693	GG	AA	1940463210
SNP_P1_201307_640715	NW_004516060.1	Scaffold642	640715	CC	TT	1940463211
SNP_P1_201308_640917	NW_004516060.1	Scaffold642	640917	AA	GG	1940463212
SNP_P1_201309_645870	NW_004516060.1	Scaffold642	645870	TT	GG	1940463213
SNP_P1_201310_667436	NW_004516060.1	Scaffold642	667436	CC	GG	1940463214
SNP_P1_201311_677924	NW_004516060.1	Scaffold642	677924	TT	CC	1940463215
SNP_P1_201312_686125	NW_004516060.1	Scaffold642	686125	AA	GG	1940463216
SNP_P1_201313_686183	NW_004516060.1	Scaffold642	686183	GG	AA	1940463217
SNP_P1_201314_695586	NW_004516060.1	Scaffold642	695586	CC	TT	1940463218
SNP_P1_201315_698144	NW_004516060.1	Scaffold642	698144	TT	CC	1940463219
SNP_P1_201316_702494	NW_004516060.1	Scaffold642	702494	AA	TT	1940463220
SNP_P1_201317_702537	NW_004516060.1	Scaffold642	702537	TT	GG	1940463221
SNP_P1_201318_703391	NW_004516060.1	Scaffold642	703391	CC	TT	1940463222
SNP_P1_201319_2485	NW_004516061.1	Scaffold643	2485	GG	AA	1940463223
SNP_P1_201321_31174	NW_004516061.1	Scaffold643	31174	GG	AA	1940463224
SNP_P1_201322_47598	NW_004516061.1	Scaffold643	47598	GG	AA	1940463225
SNP_P1_201323_56524	NW_004516061.1	Scaffold643	56524	GG	AA	1940463226
SNP_P1_201324_61591	NW_004516061.1	Scaffold643	61591	GG	AA	1940463227
SNP_P1_201325_61616	NW_004516061.1	Scaffold643	61616	CC	TT	1940463228
SNP_P1_201326_61623	NW_004516061.1	Scaffold643	61623	GG	AA	1940463229
SNP_P1_201327_64276	NW_004516061.1	Scaffold643	64276	TT	GG	1940463230
SNP_P1_201328_69101	NW_004516061.1	Scaffold643	69101	TT	CC	1940463231
SNP_P1_201329_69138	NW_004516061.1	Scaffold643	69138	GG	TT	1940463232
SNP_P1_201330_69159	NW_004516061.1	Scaffold643	69159	AA	CC	1940463233
SNP_P1_201331_69174	NW_004516061.1	Scaffold643	69174	GG	AA	1940463234
SNP_P1_201332_71161	NW_004516061.1	Scaffold643	71161	TT	AA	1940463235
SNP_P1_201333_71169	NW_004516061.1	Scaffold643	71169	GG	AA	1940463236
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SNP_P1_201336_71258	NW_004516061.1	Scaffold643	71258	GG	AA	1940463238
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_201339_71315	NW_004516061.1	Scaffold643	71315	TT	CC	1940463241
SNP_P1_201340_71349	NW_004516061.1	Scaffold643	71349	AA	GG	1940463242
SNP_P1_201341_71374	NW_004516061.1	Scaffold643	71374	GG	AA	1940463243
SNP_P1_201342_71396	NW_004516061.1	Scaffold643	71396	AA	GG	1940463244
SNP_P1_201343_71411	NW_004516061.1	Scaffold643	71411	AA	GG	1940463245
SNP_P1_201344_71428	NW_004516061.1	Scaffold643	71428	AA	GG	1940463246
SNP_P1_201345_71572	NW_004516061.1	Scaffold643	71572	CC	TT	1940463247
SNP_P1_201346_71621	NW_004516061.1	Scaffold643	71621	AA	CC	1940463248
SNP_P1_201347_71635	NW_004516061.1	Scaffold643	71635	GG	AA	1940463249
SNP_P1_201348_71671	NW_004516061.1	Scaffold643	71671	TT	CC	1940463250
SNP_P1_201350_12489	NW_004516062.1	Scaffold645	12489	TT	AA	1940463251
SNP_P1_201352_23737	NW_004516062.1	Scaffold645	23737	CC	TT	1940463252
SNP_P1_201353_23942	NW_004516062.1	Scaffold645	23942	TT	GG	1940463253
SNP_P1_201354_23943	NW_004516062.1	Scaffold645	23943	GG	TT	1940463254
SNP_P1_201355_23966	NW_004516062.1	Scaffold645	23966	GG	TT	1940463255
SNP_P1_201356_31342	NW_004516062.1	Scaffold645	31342	CC	TT	1940463256
SNP_P1_201357_39406	NW_004516062.1	Scaffold645	39406	AA	GG	1940463257
SNP_P1_201358_71892	NW_004516062.1	Scaffold645	71892	AA	GG	1940463258
SNP_P1_201359_71961	NW_004516062.1	Scaffold645	71961	AA	TT	1940463259
SNP_P1_201360_71968	NW_004516062.1	Scaffold645	71968	CC	TT	1940463260
SNP_P1_201361_72033	NW_004516062.1	Scaffold645	72033	AA	GG	1940463261
SNP_P1_201363_72129	NW_004516062.1	Scaffold645	72129	TT	AA	1940463262
SNP_P1_201364_72138	NW_004516062.1	Scaffold645	72138	GG	AA	1940463263
SNP_P1_201365_72193	NW_004516062.1	Scaffold645	72193	GG	AA	1940463264
SNP_P1_201366_72209	NW_004516062.1	Scaffold645	72209	CC	TT	1940463265
SNP_P1_201367_72210	NW_004516062.1	Scaffold645	72210	TT	GG	1940463266
SNP_P1_201368_73193	NW_004516062.1	Scaffold645	73193	GG	AA	1940463267
SNP_P1_201369_73247	NW_004516062.1	Scaffold645	73247	AA	CC	1940463268
SNP_P1_201370_73285	NW_004516062.1	Scaffold645	73285	AA	GG	1940463269
SNP_P1_201371_73501	NW_004516062.1	Scaffold645	73501	TT	CC	1940463270
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SNP_P1_201375_73665	NW_004516062.1	Scaffold645	73665	AA	CC	1940463274
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SNP_P1_201377_73698	NW_004516062.1	Scaffold645	73698	AA	GG	1940463276
SNP_P1_201378_73711	NW_004516062.1	Scaffold645	73711	AA	GG	1940463277
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SNP_P1_201380_73731	NW_004516062.1	Scaffold645	73731	CC	AA	1940463279
SNP_P1_201381_73739	NW_004516062.1	Scaffold645	73739	GG	TT	1940463280
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SNP_P1_201384_73864	NW_004516062.1	Scaffold645	73864	AA	CC	1940463283
SNP_P1_201387_74046	NW_004516062.1	Scaffold645	74046	GG	AA	1940463284
SNP_P1_201388_77365	NW_004516062.1	Scaffold645	77365	TT	CC	1940463285
SNP_P1_201389_81937	NW_004516062.1	Scaffold645	81937	TT	CC	1940463286
SNP_P1_201390_84584	NW_004516062.1	Scaffold645	84584	GG	AA	1940463287
SNP_P1_201391_84604	NW_004516062.1	Scaffold645	84604	GG	AA	1940463288
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SNP_P1_201394_93767	NW_004516062.1	Scaffold645	93767	GG	AA	1940463291
SNP_P1_201395_93810	NW_004516062.1	Scaffold645	93810	AA	CC	1940463292
SNP_P1_201397_93977	NW_004516062.1	Scaffold645	93977	TT	CC	1940463293
SNP_P1_201398_93998	NW_004516062.1	Scaffold645	93998	TT	CC	1940463294
SNP_P1_201399_94012	NW_004516062.1	Scaffold645	94012	AA	TT	1940463295
SNP_P1_201401_94360	NW_004516062.1	Scaffold645	94360	GG	TT	1940463296
SNP_P1_201402_98532	NW_004516062.1	Scaffold645	98532	AA	GG	1940463297
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SNP_P1_201405_98863	NW_004516062.1	Scaffold645	98863	AA	TT	1940463300
SNP_P1_201407_142274	NW_004516062.1	Scaffold645	142274	TT	CC	1940463301
SNP_P1_201408_143643	NW_004516062.1	Scaffold645	143643	CC	TT	1940463302
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SNP_P1_201410_146799	NW_004516062.1	Scaffold645	146799	CC	TT	1940463304
SNP_P1_201411_146857	NW_004516062.1	Scaffold645	146857	CC	TT	1940463305
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SNP_P1_201413_147154	NW_004516062.1	Scaffold645	147154	TT	AA	1940463307
SNP_P1_201415_160783	NW_004516062.1	Scaffold645	160783	AA	GG	1940463308
SNP_P1_201416_163125	NW_004516062.1	Scaffold645	163125	GG	TT	1940463309
SNP_P1_201417_163641	NW_004516062.1	Scaffold645	163641	AA	TT	1940463310
SNP_P1_201418_163652	NW_004516062.1	Scaffold645	163652	AA	CC	1940463311
SNP_P1_201419_163740	NW_004516062.1	Scaffold645	163740	AA	CC	1940463312
SNP_P1_201420_167307	NW_004516062.1	Scaffold645	167307	TT	GG	1940463313
SNP_P1_201421_179620	NW_004516062.1	Scaffold645	179620	GG	AA	1940463314
SNP_P1_201423_187016	NW_004516062.1	Scaffold645	187016	AA	TT	1940463315
SNP_P1_201424_192667	NW_004516062.1	Scaffold645	192667	AA	GG	1940463316
SNP_P1_201425_192780	NW_004516062.1	Scaffold645	192780	GG	TT	1940463317
SNP_P1_201426_192798	NW_004516062.1	Scaffold645	192798	GG	CC	1940463318
SNP_P1_201427_192815	NW_004516062.1	Scaffold645	192815	CC	TT	1940463319
SNP_P1_201428_192818	NW_004516062.1	Scaffold645	192818	CC	AA	1940463320
SNP_P1_201429_192819	NW_004516062.1	Scaffold645	192819	AA	TT	1940463321
SNP_P1_201430_192825	NW_004516062.1	Scaffold645	192825	TT	CC	1940463322
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SNP_P1_201433_200674	NW_004516062.1	Scaffold645	200674	CC	TT	1940463325
SNP_P1_201434_204935	NW_004516062.1	Scaffold645	204935	TT	CC	1940463326
SNP_P1_201435_218815	NW_004516062.1	Scaffold645	218815	CC	TT	1940463327
SNP_P1_201436_225841	NW_004516062.1	Scaffold645	225841	CC	TT	1940463328
SNP_P1_201437_225856	NW_004516062.1	Scaffold645	225856	CC	TT	1940463329
SNP_P1_201438_225897	NW_004516062.1	Scaffold645	225897	AA	TT	1940463330
SNP_P1_201439_225902	NW_004516062.1	Scaffold645	225902	AA	GG	1940463331
SNP_P1_201442_250745	NW_004516062.1	Scaffold645	250745	AA	GG	1940463332
SNP_P1_201444_265467	NW_004516062.1	Scaffold645	265467	CC	TT	1940463333
SNP_P1_201445_275946	NW_004516062.1	Scaffold645	275946	AA	CC	1940463334
SNP_P1_201446_275947	NW_004516062.1	Scaffold645	275947	TT	AA	1940463335
SNP_P1_201447_275948	NW_004516062.1	Scaffold645	275948	TT	AA	1940463336
SNP_P1_201448_275981	NW_004516062.1	Scaffold645	275981	TT	AA	1940463337
SNP_P1_201449_276575	NW_004516062.1	Scaffold645	276575	TT	CC	1940463338
SNP_P1_201450_279931	NW_004516062.1	Scaffold645	279931	AA	TT	1940463339
SNP_P1_201451_279935	NW_004516062.1	Scaffold645	279935	CC	TT	1940463340
SNP_P1_201452_280515	NW_004516062.1	Scaffold645	280515	AA	TT	1940463341
SNP_P1_201453_282914	NW_004516062.1	Scaffold645	282914	AA	TT	1940463342
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SNP_P1_201456_285619	NW_004516062.1	Scaffold645	285619	TT	AA	1940463345
SNP_P1_201457_285625	NW_004516062.1	Scaffold645	285625	AA	GG	1940463346
SNP_P1_201458_286415	NW_004516062.1	Scaffold645	286415	AA	GG	1940463347
SNP_P1_201459_286980	NW_004516062.1	Scaffold645	286980	TT	CC	1940463348
SNP_P1_201460_287014	NW_004516062.1	Scaffold645	287014	AA	GG	1940463349
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SNP_P1_201462_287067	NW_004516062.1	Scaffold645	287067	AA	GG	1940463351
SNP_P1_201463_287103	NW_004516062.1	Scaffold645	287103	TT	AA	1940463352
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SNP_P1_201465_287312	NW_004516062.1	Scaffold645	287312	AA	CC	1940463354
SNP_P1_201466_287317	NW_004516062.1	Scaffold645	287317	GG	CC	1940463356
SNP_P1_201467_287380	NW_004516062.1	Scaffold645	287380	AA	CC	1940463357
SNP_P1_201468_287464	NW_004516062.1	Scaffold645	287464	CC	AA	1940463358
SNP_P1_201469_287465	NW_004516062.1	Scaffold645	287465	AA	TT	1940463359
SNP_P1_201470_287603	NW_004516062.1	Scaffold645	287603	TT	AA	1940463360
SNP_P1_201471_287651	NW_004516062.1	Scaffold645	287651	CC	TT	1940463361
SNP_P1_201472_287698	NW_004516062.1	Scaffold645	287698	CC	TT	1940463362
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SNP_P1_201474_287893	NW_004516062.1	Scaffold645	287893	GG	TT	1940463364
SNP_P1_201475_287940	NW_004516062.1	Scaffold645	287940	CC	TT	1940463365
SNP_P1_201477_288208	NW_004516062.1	Scaffold645	288208	GG	TT	1940463366

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SNP_P1_201480_289421	NW_004516062.1	Scaffold645	289421	GG	CC	1940463369
SNP_P1_201481_289515	NW_004516062.1	Scaffold645	289515	GG	AA	1940463370
SNP_P1_201482_289958	NW_004516062.1	Scaffold645	289958	TT	AA	1940463371
SNP_P1_201483_290062	NW_004516062.1	Scaffold645	290062	AA	GG	1940463372
SNP_P1_201484_296234	NW_004516062.1	Scaffold645	296234	GG	TT	1940463373
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SNP_P1_201486_298470	NW_004516062.1	Scaffold645	298470	TT	AA	1940463375
SNP_P1_201487_299449	NW_004516062.1	Scaffold645	299449	CC	TT	1940463376
SNP_P1_201488_301221	NW_004516062.1	Scaffold645	301221	AA	GG	1940463377
SNP_P1_201489_302641	NW_004516062.1	Scaffold645	302641	TT	CC	1940463378
SNP_P1_201490_634	NW_004516064.1	Scaffold647	634	TT	CC	1940463379
SNP_P1_201491_723	NW_004516064.1	Scaffold647	723	GG	CC	1940463380
SNP_P1_201492_752	NW_004516064.1	Scaffold647	752	CC	TT	1940463381
SNP_P1_201493_773	NW_004516064.1	Scaffold647	773	TT	CC	1940463382
SNP_P1_201494_774	NW_004516064.1	Scaffold647	774	AA	CC	1940463383
SNP_P1_201495_780	NW_004516064.1	Scaffold647	780	TT	CC	1940463384
SNP_P1_201496_984	NW_004516064.1	Scaffold647	984	TT	GG	1940463385
SNP_P1_201497_997	NW_004516064.1	Scaffold647	997	AA	CC	1940463386
SNP_P1_201498_1032	NW_004516064.1	Scaffold647	1032	CC	GG	1940463387
SNP_P1_201499_1047	NW_004516064.1	Scaffold647	1047	TT	CC	1940463388
SNP_P1_201500_7367	NW_004516064.1	Scaffold647	7367	TT	AA	1940463389
SNP_P1_201501_7403	NW_004516064.1	Scaffold647	7403	AA	CC	1940463390
SNP_P1_201502_7466	NW_004516064.1	Scaffold647	7466	TT	CC	1940463391
SNP_P1_201503_7478	NW_004516064.1	Scaffold647	7478	CC	TT	1940463392
SNP_P1_201504_7510	NW_004516064.1	Scaffold647	7510	TT	CC	1940463393
SNP_P1_201505_7574	NW_004516064.1	Scaffold647	7574	AA	GG	1940463394
SNP_P1_201506_7637	NW_004516064.1	Scaffold647	7637	AA	GG	1940463395
SNP_P1_201507_7674	NW_004516064.1	Scaffold647	7674	GG	AA	1940463396
SNP_P1_201508_7677	NW_004516064.1	Scaffold647	7677	TT	CC	1940463397
SNP_P1_201509_7741	NW_004516064.1	Scaffold647	7741	CC	TT	1940463398
SNP_P1_201510_7753	NW_004516064.1	Scaffold647	7753	TT	CC	1940463399
SNP_P1_201511_7774	NW_004516064.1	Scaffold647	7774	CC	AA	1940463400
SNP_P1_201512_7823	NW_004516064.1	Scaffold647	7823	CC	GG	1940463401
SNP_P1_201513_7824	NW_004516064.1	Scaffold647	7824	AA	GG	1940463402
SNP_P1_201514_15626	NW_004516064.1	Scaffold647	15626	CC	AA	1940463403
SNP_P1_201515_15918	NW_004516064.1	Scaffold647	15918	GG	AA	1940463404
SNP_P1_201516_16372	NW_004516064.1	Scaffold647	16372	GG	TT	1940463405
SNP_P1_201518_20603	NW_004516064.1	Scaffold647	20603	TT	CC	1940463406
SNP_P1_201519_20633	NW_004516064.1	Scaffold647	20633	TT	CC	1940463407
SNP_P1_201520_20755	NW_004516064.1	Scaffold647	20755	GG	AA	1940463408

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_201521_20859	NW_004516064.1	Scaffold647	20859	AA	GG	1940463409
SNP_P1_201522_21420	NW_004516064.1	Scaffold647	21420	AA	GG	1940463410
SNP_P1_201523_21456	NW_004516064.1	Scaffold647	21456	GG	AA	1940463411
SNP_P1_201524_22975	NW_004516064.1	Scaffold647	22975	CC	TT	1940463412
SNP_P1_201525_29848	NW_004516064.1	Scaffold647	29848	GG	CC	1940463413
SNP_P1_201526_29912	NW_004516064.1	Scaffold647	29912	GG	CC	1940463414
SNP_P1_201527_29920	NW_004516064.1	Scaffold647	29920	TT	AA	1940463415
SNP_P1_201528_29985	NW_004516064.1	Scaffold647	29985	AA	CC	1940463416
SNP_P1_201529_29986	NW_004516064.1	Scaffold647	29986	TT	AA	1940463417
SNP_P1_201530_29987	NW_004516064.1	Scaffold647	29987	AA	GG	1940463418
SNP_P1_201531_30125	NW_004516064.1	Scaffold647	30125	GG	TT	1940463419
SNP_P1_201532_30151	NW_004516064.1	Scaffold647	30151	TT	CC	1940463420
SNP_P1_201533_30190	NW_004516064.1	Scaffold647	30190	TT	CC	1940463421
SNP_P1_201534_31529	NW_004516064.1	Scaffold647	31529	GG	CC	1940463422
SNP_P1_201535_35924	NW_004516064.1	Scaffold647	35924	GG	AA	1940463423
SNP_P1_201536_35931	NW_004516064.1	Scaffold647	35931	GG	AA	1940463424
SNP_P1_201537_35932	NW_004516064.1	Scaffold647	35932	GG	CC	1940463425
SNP_P1_201538_35968	NW_004516064.1	Scaffold647	35968	TT	AA	1940463426
SNP_P1_201539_39384	NW_004516064.1	Scaffold647	39384	GG	AA	1940463427
SNP_P1_201540_40439	NW_004516064.1	Scaffold647	40439	GG	CC	1940463428
SNP_P1_201541_40442	NW_004516064.1	Scaffold647	40442	GG	AA	1940463429
SNP_P1_201542_40466	NW_004516064.1	Scaffold647	40466	GG	AA	1940463430
SNP_P1_201543_40477	NW_004516064.1	Scaffold647	40477	TT	GG	1940463431
SNP_P1_201544_40714	NW_004516064.1	Scaffold647	40714	AA	GG	1940463432
SNP_P1_201545_40732	NW_004516064.1	Scaffold647	40732	AA	TT	1940463433
SNP_P1_201546_40763	NW_004516064.1	Scaffold647	40763	AA	GG	1940463434
SNP_P1_201547_46921	NW_004516064.1	Scaffold647	46921	CC	TT	1940463435
SNP_P1_201548_47232	NW_004516064.1	Scaffold647	47232	GG	AA	1940463436
SNP_P1_201549_47268	NW_004516064.1	Scaffold647	47268	AA	TT	1940463437
SNP_P1_201550_48972	NW_004516064.1	Scaffold647	48972	CC	TT	1940463438
SNP_P1_201551_49945	NW_004516064.1	Scaffold647	49945	TT	CC	1940463439
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SNP_P1_201553_55003	NW_004516064.1	Scaffold647	55003	TT	AA	1940463441
SNP_P1_201554_67808	NW_004516064.1	Scaffold647	67808	TT	AA	1940463442
SNP_P1_201555_67924	NW_004516064.1	Scaffold647	67924	GG	AA	1940463443
SNP_P1_201556_68006	NW_004516064.1	Scaffold647	68006	CC	TT	1940463444
SNP_P1_201557_71274	NW_004516064.1	Scaffold647	71274	TT	CC	1940463445
SNP_P1_201558_71691	NW_004516064.1	Scaffold647	71691	TT	CC	1940463446
SNP_P1_201559_71764	NW_004516064.1	Scaffold647	71764	AA	CC	1940463447
SNP_P1_201560_71827	NW_004516064.1	Scaffold647	71827	TT	GG	1940463448
SNP_P1_201561_71870	NW_004516064.1	Scaffold647	71870	GG	TT	1940463449
SNP_P1_201562_72053	NW_004516064.1	Scaffold647	72053	AA	TT	1940463450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_201564_72977	NW_004516064.1	Scaffold647	72977	GG	AA	1940463452
SNP_P1_201565_73794	NW_004516064.1	Scaffold647	73794	TT	AA	1940463453
SNP_P1_201566_73836	NW_004516064.1	Scaffold647	73836	TT	AA	1940463454
SNP_P1_201567_73837	NW_004516064.1	Scaffold647	73837	TT	CC	1940463455
SNP_P1_201568_86815	NW_004516064.1	Scaffold647	86815	TT	CC	1940463456
SNP_P1_201569_93393	NW_004516064.1	Scaffold647	93393	GG	TT	1940463457
SNP_P1_201570_93395	NW_004516064.1	Scaffold647	93395	GG	TT	1940463458
SNP_P1_201571_93587	NW_004516064.1	Scaffold647	93587	TT	CC	1940463459
SNP_P1_201572_93679	NW_004516064.1	Scaffold647	93679	GG	TT	1940463460
SNP_P1_201573_95317	NW_004516064.1	Scaffold647	95317	CC	TT	1940463461
SNP_P1_201574_96662	NW_004516064.1	Scaffold647	96662	AA	TT	1940463462
SNP_P1_201575_100353	NW_004516064.1	Scaffold647	100353	GG	AA	1940463463
SNP_P1_201576_102853	NW_004516064.1	Scaffold647	102853	TT	GG	1940463464
SNP_P1_201577_106291	NW_004516064.1	Scaffold647	106291	TT	CC	1940463465
SNP_P1_201578_106904	NW_004516064.1	Scaffold647	106904	AA	GG	1940463466
SNP_P1_201579_119726	NW_004516064.1	Scaffold647	119726	AA	GG	1940463467
SNP_P1_201580_120049	NW_004516064.1	Scaffold647	120049	TT	AA	1940463468
SNP_P1_201581_120364	NW_004516064.1	Scaffold647	120364	GG	TT	1940463469
SNP_P1_201582_120386	NW_004516064.1	Scaffold647	120386	AA	GG	1940463470
SNP_P1_201583_120389	NW_004516064.1	Scaffold647	120389	CC	TT	1940463471
SNP_P1_201584_120405	NW_004516064.1	Scaffold647	120405	TT	CC	1940463472
SNP_P1_201585_120506	NW_004516064.1	Scaffold647	120506	AA	CC	1940463473
SNP_P1_201586_120537	NW_004516064.1	Scaffold647	120537	CC	AA	1940463474
SNP_P1_201587_120567	NW_004516064.1	Scaffold647	120567	CC	TT	1940463475
SNP_P1_201589_123743	NW_004516064.1	Scaffold647	123743	CC	TT	1940463476
SNP_P1_201590_123783	NW_004516064.1	Scaffold647	123783	TT	CC	1940463477
SNP_P1_201591_124031	NW_004516064.1	Scaffold647	124031	CC	AA	1940463478
SNP_P1_201592_126289	NW_004516064.1	Scaffold647	126289	GG	AA	1940463479
SNP_P1_201593_129140	NW_004516064.1	Scaffold647	129140	TT	CC	1940463480
SNP_P1_201594_129143	NW_004516064.1	Scaffold647	129143	GG	AA	1940463481
SNP_P1_201595_129579	NW_004516064.1	Scaffold647	129579	AA	GG	1940463482
SNP_P1_201596_132964	NW_004516064.1	Scaffold647	132964	CC	TT	1940463483
SNP_P1_201597_133091	NW_004516064.1	Scaffold647	133091	CC	TT	1940463484
SNP_P1_201598_133345	NW_004516064.1	Scaffold647	133345	AA	TT	1940463485
SNP_P1_201599_133400	NW_004516064.1	Scaffold647	133400	AA	GG	1940463486
SNP_P1_201600_140581	NW_004516064.1	Scaffold647	140581	TT	GG	1940463487
SNP_P1_201601_147050	NW_004516064.1	Scaffold647	147050	GG	AA	1940463488
SNP_P1_201602_147055	NW_004516064.1	Scaffold647	147055	TT	CC	1940463489
SNP_P1_201603_147067	NW_004516064.1	Scaffold647	147067	CC	TT	1940463490
SNP_P1_201604_149765	NW_004516064.1	Scaffold647	149765	AA	TT	1940463491
SNP_P1_201605_150004	NW_004516064.1	Scaffold647	150004	TT	AA	1940463492

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SNP_P1_201606_150027	NW_004516064.1	Scaffold647	150027	CC	TT	1940463493
SNP_P1_201607_162054	NW_004516064.1	Scaffold647	162054	AA	GG	1940463494
SNP_P1_201608_162341	NW_004516064.1	Scaffold647	162341	AA	GG	1940463495
SNP_P1_201609_162391	NW_004516064.1	Scaffold647	162391	AA	GG	1940463496
SNP_P1_201610_169186	NW_004516064.1	Scaffold647	169186	TT	AA	1940463497
SNP_P1_201611_171601	NW_004516064.1	Scaffold647	171601	GG	AA	1940463498
SNP_P1_201612_171607	NW_004516064.1	Scaffold647	171607	TT	GG	1940463499
SNP_P1_201613_181909	NW_004516064.1	Scaffold647	181909	GG	AA	1940463500
SNP_P1_201614_189861	NW_004516064.1	Scaffold647	189861	TT	CC	1940463501
SNP_P1_201615_192929	NW_004516064.1	Scaffold647	192929	TT	AA	1940463502
SNP_P1_201616_192943	NW_004516064.1	Scaffold647	192943	CC	GG	1940463503
SNP_P1_201617_192947	NW_004516064.1	Scaffold647	192947	CC	TT	1940463504
SNP_P1_201618_193238	NW_004516064.1	Scaffold647	193238	TT	AA	1940463505
SNP_P1_201619_193239	NW_004516064.1	Scaffold647	193239	GG	AA	1940463506
SNP_P1_201620_200337	NW_004516064.1	Scaffold647	200337	GG	TT	1940463507
SNP_P1_201622_200862	NW_004516064.1	Scaffold647	200862	AA	GG	1940463508
SNP_P1_201623_201328	NW_004516064.1	Scaffold647	201328	GG	AA	1940463509
SNP_P1_201624_201519	NW_004516064.1	Scaffold647	201519	AA	TT	1940463510
SNP_P1_201625_201663	NW_004516064.1	Scaffold647	201663	TT	CC	1940463511
SNP_P1_201626_201749	NW_004516064.1	Scaffold647	201749	AA	TT	1940463512
SNP_P1_201627_201779	NW_004516064.1	Scaffold647	201779	TT	CC	1940463513
SNP_P1_201628_201781	NW_004516064.1	Scaffold647	201781	AA	GG	1940463514
SNP_P1_201629_201786	NW_004516064.1	Scaffold647	201786	GG	AA	1940463515
SNP_P1_201630_201789	NW_004516064.1	Scaffold647	201789	CC	TT	1940463516
SNP_P1_201631_201798	NW_004516064.1	Scaffold647	201798	GG	AA	1940463517
SNP_P1_201632_201850	NW_004516064.1	Scaffold647	201850	TT	GG	1940463519
SNP_P1_201633_212354	NW_004516064.1	Scaffold647	212354	AA	GG	1940463520
SNP_P1_201634_212408	NW_004516064.1	Scaffold647	212408	GG	AA	1940463521
SNP_P1_201635_212415	NW_004516064.1	Scaffold647	212415	TT	CC	1940463522
SNP_P1_201636_212569	NW_004516064.1	Scaffold647	212569	TT	CC	1940463523
SNP_P1_201637_212583	NW_004516064.1	Scaffold647	212583	TT	CC	1940463524
SNP_P1_201638_212602	NW_004516064.1	Scaffold647	212602	TT	GG	1940463525
SNP_P1_201639_212606	NW_004516064.1	Scaffold647	212606	TT	CC	1940463526
SNP_P1_201640_212627	NW_004516064.1	Scaffold647	212627	TT	GG	1940463527
SNP_P1_201641_212699	NW_004516064.1	Scaffold647	212699	AA	GG	1940463528
SNP_P1_201642_212735	NW_004516064.1	Scaffold647	212735	TT	CC	1940463529
SNP_P1_201643_212800	NW_004516064.1	Scaffold647	212800	CC	TT	1940463530
SNP_P1_201644_212938	NW_004516064.1	Scaffold647	212938	GG	AA	1940463531
SNP_P1_201645_464	NW_004516065.1	Scaffold648	464	GG	AA	1940463532
SNP_P1_201646_526	NW_004516065.1	Scaffold648	526	GG	TT	1940463533
SNP_P1_201647_706	NW_004516065.1	Scaffold648	706	GG	TT	1940463534
SNP_P1_201648_730	NW_004516065.1	Scaffold648	730	AA	CC	1940463535

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SNP_P1_201649_904	NW_004516065.1	Scaffold648	904	CC	TT	1940463536
SNP_P1_201650_1319	NW_004516065.1	Scaffold648	1319	GG	AA	1940463537
SNP_P1_201651_1337	NW_004516065.1	Scaffold648	1337	TT	AA	1940463538
SNP_P1_201652_1563	NW_004516065.1	Scaffold648	1563	CC	AA	1940463539
SNP_P1_201653_1843	NW_004516065.1	Scaffold648	1843	AA	TT	1940463540
SNP_P1_201654_4235	NW_004516065.1	Scaffold648	4235	AA	GG	1940463541
SNP_P1_201655_4257	NW_004516065.1	Scaffold648	4257	TT	GG	1940463542
SNP_P1_201656_4294	NW_004516065.1	Scaffold648	4294	AA	GG	1940463543
SNP_P1_201657_11179	NW_004516065.1	Scaffold648	11179	GG	AA	1940463544
SNP_P1_201658_11228	NW_004516065.1	Scaffold648	11228	CC	TT	1940463545
SNP_P1_201659_14582	NW_004516065.1	Scaffold648	14582	CC	TT	1940463546
SNP_P1_201660_21597	NW_004516065.1	Scaffold648	21597	AA	GG	1940463547
SNP_P1_201661_27798	NW_004516065.1	Scaffold648	27798	CC	TT	1940463548
SNP_P1_201662_27814	NW_004516065.1	Scaffold648	27814	CC	TT	1940463549
SNP_P1_201663_27823	NW_004516065.1	Scaffold648	27823	TT	AA	1940463550
SNP_P1_201664_28031	NW_004516065.1	Scaffold648	28031	TT	AA	1940463551
SNP_P1_201665_28037	NW_004516065.1	Scaffold648	28037	GG	CC	1940463552
SNP_P1_201666_28081	NW_004516065.1	Scaffold648	28081	GG	AA	1940463553
SNP_P1_201667_28103	NW_004516065.1	Scaffold648	28103	TT	GG	1940463554
SNP_P1_201668_28172	NW_004516065.1	Scaffold648	28172	AA	TT	1940463555
SNP_P1_201669_28435	NW_004516065.1	Scaffold648	28435	AA	CC	1940463556
SNP_P1_201670_33555	NW_004516065.1	Scaffold648	33555	TT	GG	1940463557
SNP_P1_201671_33682	NW_004516065.1	Scaffold648	33682	CC	TT	1940463558
SNP_P1_201672_33690	NW_004516065.1	Scaffold648	33690	CC	TT	1940463559
SNP_P1_201673_2230	NW_004516067.1	Scaffold651	2230	TT	CC	1940463560
SNP_P1_201674_2412	NW_004516067.1	Scaffold651	2412	GG	AA	1940463561
SNP_P1_201675_2529	NW_004516067.1	Scaffold651	2529	TT	GG	1940463562
SNP_P1_201676_4919	NW_004516067.1	Scaffold651	4919	TT	AA	1940463563
SNP_P1_201677_4994	NW_004516067.1	Scaffold651	4994	GG	TT	1940463564
SNP_P1_201679_5000	NW_004516067.1	Scaffold651	5000	GG	AA	1940463565
SNP_P1_201680_6035	NW_004516067.1	Scaffold651	6035	TT	AA	1940463566
SNP_P1_201681_7595	NW_004516067.1	Scaffold651	7595	AA	CC	1940463567
SNP_P1_201682_7721	NW_004516067.1	Scaffold651	7721	GG	TT	1940463568
SNP_P1_201683_7780	NW_004516067.1	Scaffold651	7780	TT	AA	1940463569
SNP_P1_201684_7843	NW_004516067.1	Scaffold651	7843	TT	AA	1940463570
SNP_P1_201685_7917	NW_004516067.1	Scaffold651	7917	TT	GG	1940463571
SNP_P1_201686_8207	NW_004516067.1	Scaffold651	8207	GG	CC	1940463572
SNP_P1_201687_8218	NW_004516067.1	Scaffold651	8218	AA	GG	1940463573
SNP_P1_201688_8232	NW_004516067.1	Scaffold651	8232	CC	TT	1940463574
SNP_P1_201689_9512	NW_004516067.1	Scaffold651	9512	AA	TT	1940463575
SNP_P1_201690_16793	NW_004516067.1	Scaffold651	16793	AA	GG	1940463576
SNP_P1_201691_27591	NW_004516067.1	Scaffold651	27591	CC	TT	1940463577

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SNP_P1_201693_31610	NW_004516067.1	Scaffold651	31610	TT	AA	1940463579
SNP_P1_201694_35470	NW_004516067.1	Scaffold651	35470	CC	TT	1940463580
SNP_P1_201695_35471	NW_004516067.1	Scaffold651	35471	GG	CC	1940463581
SNP_P1_201696_38999	NW_004516067.1	Scaffold651	38999	GG	TT	1940463582
SNP_P1_201697_39363	NW_004516067.1	Scaffold651	39363	AA	TT	1940463583
SNP_P1_201698_39997	NW_004516067.1	Scaffold651	39997	TT	AA	1940463584
SNP_P1_201699_41249	NW_004516067.1	Scaffold651	41249	GG	CC	1940463585
SNP_P1_201700_42283	NW_004516067.1	Scaffold651	42283	GG	AA	1940463586
SNP_P1_201701_58904	NW_004516067.1	Scaffold651	58904	TT	AA	1940463587
SNP_P1_201702_58910	NW_004516067.1	Scaffold651	58910	GG	CC	1940463588
SNP_P1_201703_58942	NW_004516067.1	Scaffold651	58942	AA	GG	1940463589
SNP_P1_201704_58954	NW_004516067.1	Scaffold651	58954	TT	AA	1940463590
SNP_P1_201705_58956	NW_004516067.1	Scaffold651	58956	TT	CC	1940463591
SNP_P1_201706_58958	NW_004516067.1	Scaffold651	58958	TT	CC	1940463592
SNP_P1_201707_58969	NW_004516067.1	Scaffold651	58969	AA	TT	1940463593
SNP_P1_201708_65098	NW_004516067.1	Scaffold651	65098	TT	AA	1940463594
SNP_P1_201709_69326	NW_004516067.1	Scaffold651	69326	TT	CC	1940463595
SNP_P1_201711_19005	NW_004516069.1	Scaffold653	19005	CC	TT	1940463596
SNP_P1_201713_137881	NW_004516069.1	Scaffold653	137881	CC	TT	1940463597
SNP_P1_201714_200800	NW_004516069.1	Scaffold653	200800	AA	GG	1940463598
SNP_P1_201715_200803	NW_004516069.1	Scaffold653	200803	CC	AA	1940463599
SNP_P1_201716_200811	NW_004516069.1	Scaffold653	200811	CC	TT	1940463600
SNP_P1_201717_200821	NW_004516069.1	Scaffold653	200821	GG	AA	1940463601
SNP_P1_201718_200837	NW_004516069.1	Scaffold653	200837	AA	GG	1940463602
SNP_P1_201719_200859	NW_004516069.1	Scaffold653	200859	CC	TT	1940463603
SNP_P1_201720_200882	NW_004516069.1	Scaffold653	200882	AA	GG	1940463604
SNP_P1_201721_201064	NW_004516069.1	Scaffold653	201064	CC	TT	1940463605
SNP_P1_201722_201234	NW_004516069.1	Scaffold653	201234	GG	TT	1940463606
SNP_P1_201723_697	NW_004516070.1	Scaffold654	697	GG	AA	1940463607
SNP_P1_201724_872	NW_004516070.1	Scaffold654	872	CC	TT	1940463608
SNP_P1_201725_878	NW_004516070.1	Scaffold654	878	GG	AA	1940463609
SNP_P1_201726_881	NW_004516070.1	Scaffold654	881	GG	AA	1940463610
SNP_P1_201727_908	NW_004516070.1	Scaffold654	908	AA	GG	1940463611
SNP_P1_201728_938	NW_004516070.1	Scaffold654	938	CC	TT	1940463612
SNP_P1_201729_977	NW_004516070.1	Scaffold654	977	AA	TT	1940463613
SNP_P1_201730_1028	NW_004516070.1	Scaffold654	1028	AA	CC	1940463614
SNP_P1_201731_1280	NW_004516070.1	Scaffold654	1280	AA	TT	1940463615
SNP_P1_201732_1309	NW_004516070.1	Scaffold654	1309	AA	GG	1940463616
SNP_P1_201733_1321	NW_004516070.1	Scaffold654	1321	TT	AA	1940463617
SNP_P1_201734_1393	NW_004516070.1	Scaffold654	1393	TT	CC	1940463618
SNP_P1_201735_1395	NW_004516070.1	Scaffold654	1395	TT	GG	1940463619

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_201736_1399	NW_004516070.1	Scaffold654	1399	CC	TT	1940463620
SNP_P1_201737_8675	NW_004516070.1	Scaffold654	8675	GG	TT	1940463621
SNP_P1_201738_11105	NW_004516070.1	Scaffold654	11105	GG	TT	1940463622
SNP_P1_201739_12588	NW_004516070.1	Scaffold654	12588	CC	AA	1940463623
SNP_P1_201740_21239	NW_004516070.1	Scaffold654	21239	AA	GG	1940463624
SNP_P1_201741_23590	NW_004516070.1	Scaffold654	23590	TT	CC	1940463625
SNP_P1_201742_41882	NW_004516070.1	Scaffold654	41882	TT	CC	1940463626
SNP_P1_201743_45375	NW_004516070.1	Scaffold654	45375	AA	GG	1940463628
SNP_P1_201744_48177	NW_004516070.1	Scaffold654	48177	CC	GG	1940463629
SNP_P1_201745_921	NW_004516075.1	Scaffold661	921	TT	AA	1940463630
SNP_P1_201746_1278	NW_004516075.1	Scaffold661	1278	GG	AA	1940463631
SNP_P1_201747_20270	NW_004516075.1	Scaffold661	20270	GG	TT	1940463632
SNP_P1_201748_21679	NW_004516075.1	Scaffold661	21679	AA	TT	1940463633
SNP_P1_201750_25494	NW_004516075.1	Scaffold661	25494	GG	CC	1940463634
SNP_P1_201751_25959	NW_004516075.1	Scaffold661	25959	AA	GG	1940463635
SNP_P1_201752_26611	NW_004516075.1	Scaffold661	26611	GG	AA	1940463636
SNP_P1_201753_30215	NW_004516075.1	Scaffold661	30215	GG	CC	1940463637
SNP_P1_201754_40699	NW_004516075.1	Scaffold661	40699	GG	AA	1940463638
SNP_P1_201755_63042	NW_004516075.1	Scaffold661	63042	CC	GG	1940463639
SNP_P1_201756_63074	NW_004516075.1	Scaffold661	63074	AA	GG	1940463640
SNP_P1_201757_63282	NW_004516075.1	Scaffold661	63282	AA	TT	1940463641
SNP_P1_201758_63283	NW_004516075.1	Scaffold661	63283	AA	TT	1940463642
SNP_P1_201759_63288	NW_004516075.1	Scaffold661	63288	CC	GG	1940463643
SNP_P1_201760_63351	NW_004516075.1	Scaffold661	63351	TT	CC	1940463644
SNP_P1_201761_63391	NW_004516075.1	Scaffold661	63391	TT	GG	1940463645
SNP_P1_201762_84550	NW_004516075.1	Scaffold661	84550	AA	GG	1940463646
SNP_P1_201763_85047	NW_004516075.1	Scaffold661	85047	TT	CC	1940463647
SNP_P1_201764_85050	NW_004516075.1	Scaffold661	85050	GG	AA	1940463648
SNP_P1_201765_85102	NW_004516075.1	Scaffold661	85102	TT	GG	1940463649
SNP_P1_201766_85111	NW_004516075.1	Scaffold661	85111	CC	TT	1940463650
SNP_P1_201767_97316	NW_004516075.1	Scaffold661	97316	AA	GG	1940463651
SNP_P1_201768_105994	NW_004516075.1	Scaffold661	105994	GG	AA	1940463652
SNP_P1_201769_131726	NW_004516075.1	Scaffold661	131726	TT	CC	1940463653
SNP_P1_201770_132078	NW_004516075.1	Scaffold661	132078	TT	CC	1940463654
SNP_P1_201771_133164	NW_004516075.1	Scaffold661	133164	AA	GG	1940463655
SNP_P1_201772_135277	NW_004516075.1	Scaffold661	135277	AA	GG	1940463656
SNP_P1_201773_135295	NW_004516075.1	Scaffold661	135295	CC	TT	1940463657
SNP_P1_201774_135317	NW_004516075.1	Scaffold661	135317	TT	CC	1940463658
SNP_P1_201775_135354	NW_004516075.1	Scaffold661	135354	GG	CC	1940463659
SNP_P1_201776_139670	NW_004516075.1	Scaffold661	139670	TT	AA	1940463660
SNP_P1_201777_157293	NW_004516075.1	Scaffold661	157293	AA	GG	1940463661
SNP_P1_201778_157308	NW_004516075.1	Scaffold661	157308	GG	AA	1940463662

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_201779_157574	NW_004516075.1	Scaffold661	157574	TT	GG	1940463663
SNP_P1_201780_157666	NW_004516075.1	Scaffold661	157666	TT	CC	1940463664
SNP_P1_201781_157820	NW_004516075.1	Scaffold661	157820	TT	GG	1940463665
SNP_P1_201782_157926	NW_004516075.1	Scaffold661	157926	GG	AA	1940463666
SNP_P1_201783_175713	NW_004516075.1	Scaffold661	175713	AA	TT	1940463667
SNP_P1_201784_175714	NW_004516075.1	Scaffold661	175714	CC	AA	1940463668
SNP_P1_201785_175748	NW_004516075.1	Scaffold661	175748	GG	AA	1940463669
SNP_P1_201786_175752	NW_004516075.1	Scaffold661	175752	CC	TT	1940463670
SNP_P1_201788_176132	NW_004516075.1	Scaffold661	176132	GG	AA	1940463671
SNP_P1_201789_176145	NW_004516075.1	Scaffold661	176145	GG	CC	1940463672
SNP_P1_201790_176159	NW_004516075.1	Scaffold661	176159	TT	CC	1940463673
SNP_P1_201791_176198	NW_004516075.1	Scaffold661	176198	TT	CC	1940463674
SNP_P1_201792_176213	NW_004516075.1	Scaffold661	176213	AA	GG	1940463675
SNP_P1_201793_177173	NW_004516075.1	Scaffold661	177173	GG	AA	1940463676
SNP_P1_201794_177188	NW_004516075.1	Scaffold661	177188	GG	AA	1940463677
SNP_P1_201795_177243	NW_004516075.1	Scaffold661	177243	AA	CC	1940463678
SNP_P1_201796_177248	NW_004516075.1	Scaffold661	177248	GG	AA	1940463679
SNP_P1_201797_177850	NW_004516075.1	Scaffold661	177850	AA	CC	1940463680
SNP_P1_201798_177854	NW_004516075.1	Scaffold661	177854	CC	TT	1940463681
SNP_P1_201800_190750	NW_004516075.1	Scaffold661	190750	TT	GG	1940463682
SNP_P1_201801_195408	NW_004516075.1	Scaffold661	195408	CC	TT	1940463683
SNP_P1_201802_195421	NW_004516075.1	Scaffold661	195421	AA	GG	1940463684
SNP_P1_201803_195422	NW_004516075.1	Scaffold661	195422	GG	AA	1940463685
SNP_P1_201804_195459	NW_004516075.1	Scaffold661	195459	AA	GG	1940463686
SNP_P1_201805_195553	NW_004516075.1	Scaffold661	195553	TT	GG	1940463687
SNP_P1_201806_195606	NW_004516075.1	Scaffold661	195606	AA	GG	1940463688
SNP_P1_201809_250207	NW_004516075.1	Scaffold661	250207	TT	GG	1940463689
SNP_P1_201811_266353	NW_004516075.1	Scaffold661	266353	GG	AA	1940463690
SNP_P1_201814_272172	NW_004516075.1	Scaffold661	272172	CC	TT	1940463691
SNP_P1_201815_272173	NW_004516075.1	Scaffold661	272173	CC	TT	1940463692
SNP_P1_201816_272230	NW_004516075.1	Scaffold661	272230	TT	CC	1940463693
SNP_P1_201817_272432	NW_004516075.1	Scaffold661	272432	AA	GG	1940463694
SNP_P1_201818_272443	NW_004516075.1	Scaffold661	272443	TT	CC	1940463695
SNP_P1_201819_272545	NW_004516075.1	Scaffold661	272545	GG	AA	1940463696
SNP_P1_201820_272642	NW_004516075.1	Scaffold661	272642	GG	AA	1940463697
SNP_P1_201821_273384	NW_004516075.1	Scaffold661	273384	GG	AA	1940463698
SNP_P1_201822_276951	NW_004516075.1	Scaffold661	276951	CC	TT	1940463699
SNP_P1_201823_276967	NW_004516075.1	Scaffold661	276967	GG	TT	1940463700
SNP_P1_201824_276982	NW_004516075.1	Scaffold661	276982	GG	AA	1940463701
SNP_P1_201825_276994	NW_004516075.1	Scaffold661	276994	TT	CC	1940463702
SNP_P1_201826_277025	NW_004516075.1	Scaffold661	277025	TT	CC	1940463703
SNP_P1_201827_277033	NW_004516075.1	Scaffold661	277033	TT	CC	1940463704

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_201828_277046	NW_004516075.1	Scaffold661	277046	AA	GG	1940463705
SNP_P1_201829_277175	NW_004516075.1	Scaffold661	277175	TT	CC	1940463706
SNP_P1_201830_277381	NW_004516075.1	Scaffold661	277381	GG	AA	1940463707
SNP_P1_201831_277384	NW_004516075.1	Scaffold661	277384	GG	CC	1940463708
SNP_P1_201832_277386	NW_004516075.1	Scaffold661	277386	AA	GG	1940463709
SNP_P1_201833_277399	NW_004516075.1	Scaffold661	277399	AA	CC	1940463710
SNP_P1_201834_277414	NW_004516075.1	Scaffold661	277414	TT	CC	1940463711
SNP_P1_201835_277422	NW_004516075.1	Scaffold661	277422	TT	GG	1940463712
SNP_P1_201836_277465	NW_004516075.1	Scaffold661	277465	TT	CC	1940463713
SNP_P1_201837_277489	NW_004516075.1	Scaffold661	277489	AA	GG	1940463714
SNP_P1_201838_277498	NW_004516075.1	Scaffold661	277498	TT	CC	1940463715
SNP_P1_201839_277534	NW_004516075.1	Scaffold661	277534	AA	TT	1940463716
SNP_P1_201840_277543	NW_004516075.1	Scaffold661	277543	AA	GG	1940463717
SNP_P1_201841_277548	NW_004516075.1	Scaffold661	277548	TT	CC	1940463718
SNP_P1_201842_293080	NW_004516075.1	Scaffold661	293080	AA	GG	1940463719
SNP_P1_201843_305791	NW_004516075.1	Scaffold661	305791	CC	AA	1940463720
SNP_P1_201844_310811	NW_004516075.1	Scaffold661	310811	TT	CC	1940463721
SNP_P1_201845_325862	NW_004516075.1	Scaffold661	325862	TT	CC	1940463722
SNP_P1_201846_326902	NW_004516075.1	Scaffold661	326902	TT	CC	1940463723
SNP_P1_201847_327232	NW_004516075.1	Scaffold661	327232	AA	GG	1940463724
SNP_P1_201848_327304	NW_004516075.1	Scaffold661	327304	TT	CC	1940463725
SNP_P1_201849_327335	NW_004516075.1	Scaffold661	327335	TT	GG	1940463726
SNP_P1_201850_339176	NW_004516075.1	Scaffold661	339176	CC	GG	1940463727
SNP_P1_201851_340270	NW_004516075.1	Scaffold661	340270	GG	AA	1940463728
SNP_P1_201852_340391	NW_004516075.1	Scaffold661	340391	CC	TT	1940463729
SNP_P1_201853_340394	NW_004516075.1	Scaffold661	340394	TT	AA	1940463730
SNP_P1_201854_340398	NW_004516075.1	Scaffold661	340398	GG	CC	1940463731
SNP_P1_201855_340442	NW_004516075.1	Scaffold661	340442	TT	GG	1940463732
SNP_P1_201856_340519	NW_004516075.1	Scaffold661	340519	AA	GG	1940463733
SNP_P1_201857_340612	NW_004516075.1	Scaffold661	340612	AA	CC	1940463734
SNP_P1_201858_340644	NW_004516075.1	Scaffold661	340644	AA	GG	1940463735
SNP_P1_201859_340726	NW_004516075.1	Scaffold661	340726	AA	GG	1940463736
SNP_P1_201860_340734	NW_004516075.1	Scaffold661	340734	CC	GG	1940463737
SNP_P1_201861_340852	NW_004516075.1	Scaffold661	340852	AA	TT	1940463738
SNP_P1_201862_358821	NW_004516075.1	Scaffold661	358821	AA	GG	1940463739
SNP_P1_201863_414282	NW_004516075.1	Scaffold661	414282	GG	AA	1940463740
SNP_P1_201864_417520	NW_004516075.1	Scaffold661	417520	AA	GG	1940463741
SNP_P1_201865_417523	NW_004516075.1	Scaffold661	417523	AA	GG	1940463742
SNP_P1_201866_429484	NW_004516075.1	Scaffold661	429484	AA	CC	1940463743
SNP_P1_201867_429506	NW_004516075.1	Scaffold661	429506	TT	GG	1940463744
SNP_P1_201868_430237	NW_004516075.1	Scaffold661	430237	TT	CC	1940463745
SNP_P1_201869_434653	NW_004516075.1	Scaffold661	434653	TT	CC	1940463746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_201870_434659	NW_004516075.1	Scaffold661	434659	TT	CC	1940463747
SNP_P1_201871_434666	NW_004516075.1	Scaffold661	434666	TT	CC	1940463748
SNP_P1_201872_445458	NW_004516075.1	Scaffold661	445458	CC	TT	1940463749
SNP_P1_201873_445924	NW_004516075.1	Scaffold661	445924	GG	AA	1940463750
SNP_P1_201875_474045	NW_004516075.1	Scaffold661	474045	TT	CC	1940463751
SNP_P1_201876_474435	NW_004516075.1	Scaffold661	474435	AA	CC	1940463752
SNP_P1_201877_474486	NW_004516075.1	Scaffold661	474486	GG	CC	1940463753
SNP_P1_201879_475488	NW_004516075.1	Scaffold661	475488	TT	CC	1940463754
SNP_P1_201880_476869	NW_004516075.1	Scaffold661	476869	AA	GG	1940463755
SNP_P1_201881_480531	NW_004516075.1	Scaffold661	480531	AA	GG	1940463756
SNP_P1_201882_480542	NW_004516075.1	Scaffold661	480542	GG	AA	1940463757
SNP_P1_201883_480809	NW_004516075.1	Scaffold661	480809	AA	CC	1940463758
SNP_P1_201884_480975	NW_004516075.1	Scaffold661	480975	TT	AA	1940463759
SNP_P1_201885_481725	NW_004516075.1	Scaffold661	481725	CC	TT	1940463760
SNP_P1_201886_481745	NW_004516075.1	Scaffold661	481745	GG	TT	1940463761
SNP_P1_201887_481907	NW_004516075.1	Scaffold661	481907	AA	TT	1940463762
SNP_P1_201888_481908	NW_004516075.1	Scaffold661	481908	TT	GG	1940463763
SNP_P1_201889_481973	NW_004516075.1	Scaffold661	481973	TT	CC	1940463764
SNP_P1_201890_482017	NW_004516075.1	Scaffold661	482017	TT	CC	1940463765
SNP_P1_201891_482032	NW_004516075.1	Scaffold661	482032	TT	CC	1940463766
SNP_P1_201892_482065	NW_004516075.1	Scaffold661	482065	AA	GG	1940463767
SNP_P1_201893_482203	NW_004516075.1	Scaffold661	482203	TT	CC	1940463768
SNP_P1_201894_482213	NW_004516075.1	Scaffold661	482213	CC	TT	1940463769
SNP_P1_201895_482255	NW_004516075.1	Scaffold661	482255	TT	CC	1940463770
SNP_P1_201896_482398	NW_004516075.1	Scaffold661	482398	AA	GG	1940463771
SNP_P1_201897_482439	NW_004516075.1	Scaffold661	482439	GG	AA	1940463772
SNP_P1_201898_482444	NW_004516075.1	Scaffold661	482444	AA	GG	1940463773
SNP_P1_201899_497469	NW_004516075.1	Scaffold661	497469	AA	TT	1940463774
SNP_P1_201902_560546	NW_004516075.1	Scaffold661	560546	TT	AA	1940463775
SNP_P1_201903_597627	NW_004516075.1	Scaffold661	597627	TT	CC	1940463776
SNP_P1_201904_608681	NW_004516075.1	Scaffold661	608681	GG	AA	1940463777
SNP_P1_201905_621015	NW_004516075.1	Scaffold661	621015	TT	CC	1940463778
SNP_P1_201906_632368	NW_004516075.1	Scaffold661	632368	TT	CC	1940463779
SNP_P1_201907_632373	NW_004516075.1	Scaffold661	632373	TT	CC	1940463780
SNP_P1_201908_632393	NW_004516075.1	Scaffold661	632393	GG	AA	1940463781
SNP_P1_201909_641332	NW_004516075.1	Scaffold661	641332	GG	AA	1940463782
SNP_P1_201911_661586	NW_004516075.1	Scaffold661	661586	CC	AA	1940463783
SNP_P1_201912_666468	NW_004516075.1	Scaffold661	666468	TT	GG	1940463784
SNP_P1_201913_666850	NW_004516075.1	Scaffold661	666850	AA	CC	1940463785
SNP_P1_201914_666898	NW_004516075.1	Scaffold661	666898	TT	CC	1940463786
SNP_P1_201915_671757	NW_004516075.1	Scaffold661	671757	AA	GG	1940463787
SNP_P1_201916_671780	NW_004516075.1	Scaffold661	671780	CC	TT	1940463788

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_201918_671798	NW_004516075.1	Scaffold661	671798	TT	CC	1940463790
SNP_P1_201919_671801	NW_004516075.1	Scaffold661	671801	AA	GG	1940463791
SNP_P1_201920_671837	NW_004516075.1	Scaffold661	671837	CC	GG	1940463793
SNP_P1_201921_671869	NW_004516075.1	Scaffold661	671869	AA	GG	1940463794
SNP_P1_201922_671871	NW_004516075.1	Scaffold661	671871	CC	TT	1940463795
SNP_P1_201923_672053	NW_004516075.1	Scaffold661	672053	GG	AA	1940463796
SNP_P1_201924_672063	NW_004516075.1	Scaffold661	672063	TT	CC	1940463797
SNP_P1_201925_672122	NW_004516075.1	Scaffold661	672122	GG	AA	1940463798
SNP_P1_201926_672147	NW_004516075.1	Scaffold661	672147	GG	AA	1940463799
SNP_P1_201927_687436	NW_004516075.1	Scaffold661	687436	TT	AA	1940463800
SNP_P1_201928_687476	NW_004516075.1	Scaffold661	687476	AA	CC	1940463801
SNP_P1_201929_692879	NW_004516075.1	Scaffold661	692879	TT	CC	1940463802
SNP_P1_201930_707458	NW_004516075.1	Scaffold661	707458	GG	AA	1940463803
SNP_P1_201931_707482	NW_004516075.1	Scaffold661	707482	TT	AA	1940463804
SNP_P1_201932_707828	NW_004516075.1	Scaffold661	707828	AA	TT	1940463805
SNP_P1_201933_707856	NW_004516075.1	Scaffold661	707856	AA	GG	1940463806
SNP_P1_201934_708757	NW_004516075.1	Scaffold661	708757	CC	AA	1940463807
SNP_P1_201935_708792	NW_004516075.1	Scaffold661	708792	GG	AA	1940463808
SNP_P1_201936_708880	NW_004516075.1	Scaffold661	708880	TT	CC	1940463809
SNP_P1_201937_710743	NW_004516075.1	Scaffold661	710743	GG	AA	1940463810
SNP_P1_201938_710978	NW_004516075.1	Scaffold661	710978	AA	TT	1940463811
SNP_P1_201939_711010	NW_004516075.1	Scaffold661	711010	CC	AA	1940463812
SNP_P1_201940_711025	NW_004516075.1	Scaffold661	711025	TT	CC	1940463813
SNP_P1_201941_711190	NW_004516075.1	Scaffold661	711190	GG	TT	1940463814
SNP_P1_201942_711191	NW_004516075.1	Scaffold661	711191	AA	GG	1940463815
SNP_P1_201943_718364	NW_004516075.1	Scaffold661	718364	GG	AA	1940463816
SNP_P1_201944_725026	NW_004516075.1	Scaffold661	725026	TT	GG	1940463817
SNP_P1_201945_725065	NW_004516075.1	Scaffold661	725065	AA	GG	1940463818
SNP_P1_201946_725078	NW_004516075.1	Scaffold661	725078	AA	TT	1940463819
SNP_P1_201947_726396	NW_004516075.1	Scaffold661	726396	GG	CC	1940463820
SNP_P1_201948_726397	NW_004516075.1	Scaffold661	726397	TT	CC	1940463821
SNP_P1_201949_726471	NW_004516075.1	Scaffold661	726471	GG	AA	1940463822
SNP_P1_201950_727191	NW_004516075.1	Scaffold661	727191	GG	TT	1940463823
SNP_P1_201951_727225	NW_004516075.1	Scaffold661	727225	CC	GG	1940463824
SNP_P1_201952_727245	NW_004516075.1	Scaffold661	727245	TT	CC	1940463825
SNP_P1_201953_727264	NW_004516075.1	Scaffold661	727264	TT	CC	1940463826
SNP_P1_201954_727526	NW_004516075.1	Scaffold661	727526	GG	CC	1940463827
SNP_P1_201955_727568	NW_004516075.1	Scaffold661	727568	CC	TT	1940463828
SNP_P1_201956_733678	NW_004516075.1	Scaffold661	733678	GG	AA	1940463829
SNP_P1_201958_754272	NW_004516075.1	Scaffold661	754272	TT	CC	1940463830
SNP_P1_201959_754304	NW_004516075.1	Scaffold661	754304	CC	AA	1940463831

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_201960_758928	NW_004516075.1	Scaffold661	758928	GG	TT	1940463832
SNP_P1_201961_14986	NW_004516076.1	Scaffold662	14986	AA	GG	1940463833
SNP_P1_201962_15277	NW_004516076.1	Scaffold662	15277	CC	TT	1940463834
SNP_P1_201963_15317	NW_004516076.1	Scaffold662	15317	CC	AA	1940463835
SNP_P1_201964_15331	NW_004516076.1	Scaffold662	15331	TT	AA	1940463836
SNP_P1_201965_15343	NW_004516076.1	Scaffold662	15343	GG	AA	1940463837
SNP_P1_201966_16640	NW_004516076.1	Scaffold662	16640	CC	AA	1940463838
SNP_P1_201967_16699	NW_004516076.1	Scaffold662	16699	GG	AA	1940463839
SNP_P1_201968_16702	NW_004516076.1	Scaffold662	16702	TT	CC	1940463840
SNP_P1_201969_16788	NW_004516076.1	Scaffold662	16788	TT	CC	1940463841
SNP_P1_201970_18247	NW_004516076.1	Scaffold662	18247	AA	TT	1940463842
SNP_P1_201971_18628	NW_004516076.1	Scaffold662	18628	GG	AA	1940463843
SNP_P1_201972_18736	NW_004516076.1	Scaffold662	18736	AA	GG	1940463844
SNP_P1_201973_24659	NW_004516076.1	Scaffold662	24659	AA	CC	1940463845
SNP_P1_201974_24905	NW_004516076.1	Scaffold662	24905	AA	CC	1940463846
SNP_P1_201975_26678	NW_004516076.1	Scaffold662	26678	TT	CC	1940463847
SNP_P1_201976_27996	NW_004516076.1	Scaffold662	27996	CC	TT	1940463848
SNP_P1_201977_28031	NW_004516076.1	Scaffold662	28031	AA	CC	1940463849
SNP_P1_201978_28067	NW_004516076.1	Scaffold662	28067	AA	GG	1940463850
SNP_P1_201979_28432	NW_004516076.1	Scaffold662	28432	TT	AA	1940463851
SNP_P1_201980_32790	NW_004516076.1	Scaffold662	32790	CC	TT	1940463852
SNP_P1_201981_76993	NW_004516076.1	Scaffold662	76993	AA	CC	1940463853
SNP_P1_201982_77802	NW_004516076.1	Scaffold662	77802	GG	TT	1940463854
SNP_P1_201983_98556	NW_004516076.1	Scaffold662	98556	AA	TT	1940463855
SNP_P1_201984_98940	NW_004516076.1	Scaffold662	98940	GG	AA	1940463856
SNP_P1_201985_108135	NW_004516076.1	Scaffold662	108135	CC	TT	1940463857
SNP_P1_201986_108966	NW_004516076.1	Scaffold662	108966	AA	CC	1940463858
SNP_P1_201987_108976	NW_004516076.1	Scaffold662	108976	TT	GG	1940463859
SNP_P1_201988_110616	NW_004516076.1	Scaffold662	110616	CC	TT	1940463860
SNP_P1_201989_144392	NW_004516076.1	Scaffold662	144392	CC	TT	1940463861
SNP_P1_201990_146707	NW_004516076.1	Scaffold662	146707	TT	AA	1940463862
SNP_P1_201991_147647	NW_004516076.1	Scaffold662	147647	AA	TT	1940463863
SNP_P1_201992_147661	NW_004516076.1	Scaffold662	147661	GG	TT	1940463864
SNP_P1_201993_22897	NW_004516077.1	Scaffold663	22897	CC	AA	1940463865
SNP_P1_201994_23178	NW_004516077.1	Scaffold663	23178	AA	GG	1940463866
SNP_P1_201995_23212	NW_004516077.1	Scaffold663	23212	AA	GG	1940463867
SNP_P1_201996_23573	NW_004516077.1	Scaffold663	23573	AA	GG	1940463868
SNP_P1_201997_48126	NW_004516077.1	Scaffold663	48126	CC	TT	1940463869
SNP_P1_201998_48896	NW_004516077.1	Scaffold663	48896	GG	TT	1940463870
SNP_P1_201999_49294	NW_004516077.1	Scaffold663	49294	AA	GG	1940463871
SNP_P1_202000_55318	NW_004516077.1	Scaffold663	55318	CC	AA	1940463872
SNP_P1_202001_55490	NW_004516077.1	Scaffold663	55490	GG	AA	1940463873

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202002_63517	NW_004516077.1	Scaffold663	63517	CC	GG	1940463874
SNP_P1_202003_63658	NW_004516077.1	Scaffold663	63658	CC	TT	1940463875
SNP_P1_202004_63855	NW_004516077.1	Scaffold663	63855	AA	GG	1940463876
SNP_P1_202005_63901	NW_004516077.1	Scaffold663	63901	GG	TT	1940463877
SNP_P1_202006_75765	NW_004516077.1	Scaffold663	75765	CC	TT	1940463878
SNP_P1_202007_82332	NW_004516077.1	Scaffold663	82332	GG	AA	1940463879
SNP_P1_202008_86192	NW_004516077.1	Scaffold663	86192	TT	CC	1940463880
SNP_P1_202009_91446	NW_004516077.1	Scaffold663	91446	CC	TT	1940463881
SNP_P1_202010_93073	NW_004516077.1	Scaffold663	93073	GG	AA	1940463882
SNP_P1_202011_99541	NW_004516077.1	Scaffold663	99541	CC	TT	1940463883
SNP_P1_202012_103730	NW_004516077.1	Scaffold663	103730	GG	AA	1940463884
SNP_P1_202013_108293	NW_004516077.1	Scaffold663	108293	TT	CC	1940463885
SNP_P1_202014_108294	NW_004516077.1	Scaffold663	108294	GG	AA	1940463886
SNP_P1_202015_108466	NW_004516077.1	Scaffold663	108466	GG	AA	1940463887
SNP_P1_202016_108467	NW_004516077.1	Scaffold663	108467	GG	TT	1940463888
SNP_P1_202017_109036	NW_004516077.1	Scaffold663	109036	GG	AA	1940463889
SNP_P1_202018_109081	NW_004516077.1	Scaffold663	109081	TT	AA	1940463890
SNP_P1_202019_109083	NW_004516077.1	Scaffold663	109083	GG	TT	1940463891
SNP_P1_202020_109089	NW_004516077.1	Scaffold663	109089	CC	GG	1940463892
SNP_P1_202021_109096	NW_004516077.1	Scaffold663	109096	AA	TT	1940463893
SNP_P1_202022_109098	NW_004516077.1	Scaffold663	109098	TT	GG	1940463894
SNP_P1_202023_109114	NW_004516077.1	Scaffold663	109114	GG	AA	1940463895
SNP_P1_202024_109129	NW_004516077.1	Scaffold663	109129	TT	GG	1940463896
SNP_P1_202025_109171	NW_004516077.1	Scaffold663	109171	CC	GG	1940463897
SNP_P1_202026_109174	NW_004516077.1	Scaffold663	109174	AA	CC	1940463898
SNP_P1_202027_109192	NW_004516077.1	Scaffold663	109192	TT	CC	1940463899
SNP_P1_202028_109198	NW_004516077.1	Scaffold663	109198	CC	TT	1940463900
SNP_P1_202029_109207	NW_004516077.1	Scaffold663	109207	GG	AA	1940463901
SNP_P1_202030_109247	NW_004516077.1	Scaffold663	109247	TT	AA	1940463902
SNP_P1_202031_109271	NW_004516077.1	Scaffold663	109271	GG	AA	1940463903
SNP_P1_202032_109283	NW_004516077.1	Scaffold663	109283	GG	AA	1940463904
SNP_P1_202033_141731	NW_004516077.1	Scaffold663	141731	TT	AA	1940463905
SNP_P1_202034_145948	NW_004516077.1	Scaffold663	145948	GG	AA	1940463906
SNP_P1_202035_152866	NW_004516077.1	Scaffold663	152866	TT	CC	1940463907
SNP_P1_202036_166937	NW_004516077.1	Scaffold663	166937	AA	TT	1940463908
SNP_P1_202037_167072	NW_004516077.1	Scaffold663	167072	TT	GG	1940463909
SNP_P1_202038_167074	NW_004516077.1	Scaffold663	167074	TT	AA	1940463910
SNP_P1_202039_167137	NW_004516077.1	Scaffold663	167137	AA	GG	1940463911
SNP_P1_202040_167176	NW_004516077.1	Scaffold663	167176	AA	TT	1940463912
SNP_P1_202041_167200	NW_004516077.1	Scaffold663	167200	GG	AA	1940463913
SNP_P1_202042_167207	NW_004516077.1	Scaffold663	167207	AA	GG	1940463914
SNP_P1_202043_442	NW_004516079.1	Scaffold665	442	AA	GG	1940463915

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202044_2859	NW_004516079.1	Scaffold665	2859	CC	AA	1940463916
SNP_P1_202045_2860	NW_004516079.1	Scaffold665	2860	TT	AA	1940463917
SNP_P1_202046_3407	NW_004516079.1	Scaffold665	3407	AA	GG	1940463918
SNP_P1_202047_3448	NW_004516079.1	Scaffold665	3448	TT	CC	1940463919
SNP_P1_202048_16100	NW_004516079.1	Scaffold665	16100	AA	TT	1940463920
SNP_P1_202049_16187	NW_004516079.1	Scaffold665	16187	GG	AA	1940463921
SNP_P1_202050_16435	NW_004516079.1	Scaffold665	16435	TT	CC	1940463922
SNP_P1_202051_16750	NW_004516079.1	Scaffold665	16750	AA	CC	1940463923
SNP_P1_202052_17547	NW_004516079.1	Scaffold665	17547	CC	GG	1940463924
SNP_P1_202053_17603	NW_004516079.1	Scaffold665	17603	GG	AA	1940463925
SNP_P1_202054_85	NW_004516080.1	Scaffold666	85	TT	CC	1940463926
SNP_P1_202055_5617	NW_004516080.1	Scaffold666	5617	GG	AA	1940463927
SNP_P1_202056_5620	NW_004516080.1	Scaffold666	5620	AA	GG	1940463928
SNP_P1_202057_11276	NW_004516080.1	Scaffold666	11276	GG	CC	1940463929
SNP_P1_202058_2369	NW_004516081.1	Scaffold667	2369	AA	TT	1940463930
SNP_P1_202059_2434	NW_004516081.1	Scaffold667	2434	GG	AA	1940463931
SNP_P1_202060_2534	NW_004516081.1	Scaffold667	2534	AA	TT	1940463932
SNP_P1_202061_2567	NW_004516081.1	Scaffold667	2567	GG	CC	1940463933
SNP_P1_202062_2707	NW_004516081.1	Scaffold667	2707	CC	TT	1940463934
SNP_P1_202063_2713	NW_004516081.1	Scaffold667	2713	CC	TT	1940463935
SNP_P1_202064_2767	NW_004516081.1	Scaffold667	2767	CC	TT	1940463936
SNP_P1_202065_2834	NW_004516081.1	Scaffold667	2834	TT	GG	1940463937
SNP_P1_202066_2871	NW_004516081.1	Scaffold667	2871	CC	TT	1940463938
SNP_P1_202067_527	NW_004516082.1	Scaffold668	527	GG	CC	1940463939
SNP_P1_202068_1462	NW_004516083.1	Scaffold669	1462	AA	GG	1940463940
SNP_P1_202069_5363	NW_004516084.1	Scaffold670	5363	TT	CC	1940463941
SNP_P1_202070_5369	NW_004516084.1	Scaffold670	5369	TT	CC	1940463942
SNP_P1_202071_5375	NW_004516084.1	Scaffold670	5375	GG	AA	1940463943
SNP_P1_202072_6393	NW_004516084.1	Scaffold670	6393	AA	GG	1940463944
SNP_P1_202073_6428	NW_004516084.1	Scaffold670	6428	CC	TT	1940463945
SNP_P1_202074_6455	NW_004516084.1	Scaffold670	6455	CC	TT	1940463946
SNP_P1_202075_6468	NW_004516084.1	Scaffold670	6468	CC	TT	1940463947
SNP_P1_202076_6488	NW_004516084.1	Scaffold670	6488	AA	CC	1940463948
SNP_P1_202077_6777	NW_004516084.1	Scaffold670	6777	CC	AA	1940463949
SNP_P1_202078_6805	NW_004516084.1	Scaffold670	6805	CC	AA	1940463950
SNP_P1_202079_6851	NW_004516084.1	Scaffold670	6851	GG	AA	1940463951
SNP_P1_202080_16593	NW_004516084.1	Scaffold670	16593	CC	TT	1940463952
SNP_P1_202081_17436	NW_004516084.1	Scaffold670	17436	CC	TT	1940463953
SNP_P1_202082_17462	NW_004516084.1	Scaffold670	17462	TT	AA	1940463954
SNP_P1_202083_17483	NW_004516084.1	Scaffold670	17483	CC	TT	1940463955
SNP_P1_202084_17501	NW_004516084.1	Scaffold670	17501	TT	AA	1940463957
SNP_P1_202085_17522	NW_004516084.1	Scaffold670	17522	GG	AA	1940463958

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SNP_P1_202086_17772	NW_004516084.1	Scaffold670	17772	TT	CC	1940463959
SNP_P1_202087_17797	NW_004516084.1	Scaffold670	17797	CC	AA	1940463960
SNP_P1_202088_19995	NW_004516084.1	Scaffold670	19995	TT	GG	1940463961
SNP_P1_202089_27965	NW_004516084.1	Scaffold670	27965	CC	TT	1940463962
SNP_P1_202091_31597	NW_004516084.1	Scaffold670	31597	GG	CC	1940463963
SNP_P1_202092_46673	NW_004516084.1	Scaffold670	46673	CC	TT	1940463964
SNP_P1_202093_60645	NW_004516084.1	Scaffold670	60645	CC	TT	1940463965
SNP_P1_202094_62887	NW_004516084.1	Scaffold670	62887	GG	TT	1940463966
SNP_P1_202095_67502	NW_004516084.1	Scaffold670	67502	TT	CC	1940463967
SNP_P1_202096_68793	NW_004516084.1	Scaffold670	68793	GG	AA	1940463968
SNP_P1_202098_72186	NW_004516084.1	Scaffold670	72186	TT	CC	1940463969
SNP_P1_202099_78505	NW_004516084.1	Scaffold670	78505	CC	GG	1940463970
SNP_P1_202100_78528	NW_004516084.1	Scaffold670	78528	TT	CC	1940463971
SNP_P1_202102_104026	NW_004516084.1	Scaffold670	104026	CC	TT	1940463972
SNP_P1_202103_104132	NW_004516084.1	Scaffold670	104132	AA	TT	1940463973
SNP_P1_202104_104222	NW_004516084.1	Scaffold670	104222	TT	CC	1940463974
SNP_P1_202105_108729	NW_004516084.1	Scaffold670	108729	TT	CC	1940463975
SNP_P1_202106_116278	NW_004516084.1	Scaffold670	116278	CC	TT	1940463976
SNP_P1_202107_116364	NW_004516084.1	Scaffold670	116364	GG	TT	1940463977
SNP_P1_202108_116376	NW_004516084.1	Scaffold670	116376	TT	AA	1940463978
SNP_P1_202109_116396	NW_004516084.1	Scaffold670	116396	CC	TT	1940463979
SNP_P1_202110_121882	NW_004516084.1	Scaffold670	121882	AA	GG	1940463980
SNP_P1_202111_127887	NW_004516084.1	Scaffold670	127887	TT	AA	1940463981
SNP_P1_202112_127907	NW_004516084.1	Scaffold670	127907	AA	GG	1940463982
SNP_P1_202114_128884	NW_004516084.1	Scaffold670	128884	GG	TT	1940463983
SNP_P1_202115_128919	NW_004516084.1	Scaffold670	128919	AA	GG	1940463984
SNP_P1_202116_129203	NW_004516084.1	Scaffold670	129203	GG	AA	1940463985
SNP_P1_202118_129502	NW_004516084.1	Scaffold670	129502	TT	AA	1940463986
SNP_P1_202119_129577	NW_004516084.1	Scaffold670	129577	AA	GG	1940463987
SNP_P1_202120_129616	NW_004516084.1	Scaffold670	129616	AA	TT	1940463988
SNP_P1_202122_129643	NW_004516084.1	Scaffold670	129643	CC	TT	1940463989
SNP_P1_202123_129652	NW_004516084.1	Scaffold670	129652	AA	GG	1940463990
SNP_P1_202124_129899	NW_004516084.1	Scaffold670	129899	AA	GG	1940463991
SNP_P1_202125_131022	NW_004516084.1	Scaffold670	131022	GG	TT	1940463992
SNP_P1_202127_133611	NW_004516084.1	Scaffold670	133611	AA	CC	1940463993
SNP_P1_202128_148649	NW_004516084.1	Scaffold670	148649	GG	TT	1940463994
SNP_P1_202129_153904	NW_004516084.1	Scaffold670	153904	CC	TT	1940463995
SNP_P1_202130_154020	NW_004516084.1	Scaffold670	154020	AA	CC	1940463996
SNP_P1_202131_154042	NW_004516084.1	Scaffold670	154042	GG	CC	1940463997
SNP_P1_202132_154057	NW_004516084.1	Scaffold670	154057	GG	CC	1940463998
SNP_P1_202133_154075	NW_004516084.1	Scaffold670	154075	AA	GG	1940463999
SNP_P1_202134_154081	NW_004516084.1	Scaffold670	154081	AA	TT	1940464000

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SNP_P1_202137_156607	NW_004516084.1	Scaffold670	156607	CC	TT	1940464002
SNP_P1_202138_156628	NW_004516084.1	Scaffold670	156628	GG	TT	1940464003
SNP_P1_202139_156646	NW_004516084.1	Scaffold670	156646	CC	AA	1940464004
SNP_P1_202140_156651	NW_004516084.1	Scaffold670	156651	CC	GG	1940464005
SNP_P1_202141_156658	NW_004516084.1	Scaffold670	156658	TT	CC	1940464006
SNP_P1_202142_156664	NW_004516084.1	Scaffold670	156664	TT	CC	1940464007
SNP_P1_202143_156784	NW_004516084.1	Scaffold670	156784	TT	CC	1940464008
SNP_P1_202144_156803	NW_004516084.1	Scaffold670	156803	GG	AA	1940464009
SNP_P1_202145_156809	NW_004516084.1	Scaffold670	156809	CC	TT	1940464010
SNP_P1_202146_158786	NW_004516084.1	Scaffold670	158786	AA	GG	1940464011
SNP_P1_202147_162956	NW_004516084.1	Scaffold670	162956	CC	TT	1940464012
SNP_P1_202148_163212	NW_004516084.1	Scaffold670	163212	TT	CC	1940464013
SNP_P1_202149_163229	NW_004516084.1	Scaffold670	163229	CC	GG	1940464014
SNP_P1_202150_163363	NW_004516084.1	Scaffold670	163363	AA	TT	1940464015
SNP_P1_202151_163423	NW_004516084.1	Scaffold670	163423	CC	TT	1940464016
SNP_P1_202152_163503	NW_004516084.1	Scaffold670	163503	AA	GG	1940464017
SNP_P1_202153_163727	NW_004516084.1	Scaffold670	163727	TT	AA	1940464018
SNP_P1_202154_163773	NW_004516084.1	Scaffold670	163773	GG	AA	1940464019
SNP_P1_202155_163793	NW_004516084.1	Scaffold670	163793	AA	GG	1940464020
SNP_P1_202156_164441	NW_004516084.1	Scaffold670	164441	GG	AA	1940464021
SNP_P1_202157_164476	NW_004516084.1	Scaffold670	164476	TT	AA	1940464022
SNP_P1_202158_164659	NW_004516084.1	Scaffold670	164659	TT	GG	1940464023
SNP_P1_202159_164686	NW_004516084.1	Scaffold670	164686	TT	CC	1940464024
SNP_P1_202161_185979	NW_004516084.1	Scaffold670	185979	AA	TT	1940464025
SNP_P1_202162_186020	NW_004516084.1	Scaffold670	186020	CC	TT	1940464026
SNP_P1_202163_186373	NW_004516084.1	Scaffold670	186373	CC	TT	1940464027
SNP_P1_202164_186879	NW_004516084.1	Scaffold670	186879	TT	GG	1940464028
SNP_P1_202165_186890	NW_004516084.1	Scaffold670	186890	GG	AA	1940464029
SNP_P1_202166_186987	NW_004516084.1	Scaffold670	186987	AA	TT	1940464030
SNP_P1_202167_187103	NW_004516084.1	Scaffold670	187103	TT	CC	1940464031
SNP_P1_202168_187136	NW_004516084.1	Scaffold670	187136	TT	CC	1940464032
SNP_P1_202170_190429	NW_004516084.1	Scaffold670	190429	AA	GG	1940464033
SNP_P1_202171_194947	NW_004516084.1	Scaffold670	194947	AA	GG	1940464034
SNP_P1_202172_194953	NW_004516084.1	Scaffold670	194953	AA	GG	1940464035
SNP_P1_202173_194954	NW_004516084.1	Scaffold670	194954	AA	GG	1940464036
SNP_P1_202174_194997	NW_004516084.1	Scaffold670	194997	TT	GG	1940464037
SNP_P1_202175_195270	NW_004516084.1	Scaffold670	195270	AA	GG	1940464038
SNP_P1_202176_195289	NW_004516084.1	Scaffold670	195289	GG	AA	1940464039
SNP_P1_202177_195331	NW_004516084.1	Scaffold670	195331	GG	AA	1940464040
SNP_P1_202178_197575	NW_004516084.1	Scaffold670	197575	AA	GG	1940464041
SNP_P1_202179_197738	NW_004516084.1	Scaffold670	197738	GG	AA	1940464042

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202180_197810	NW_004516084.1	Scaffold670	197810	CC	AA	1940464043
SNP_P1_202182_197842	NW_004516084.1	Scaffold670	197842	TT	AA	1940464044
SNP_P1_202184_198151	NW_004516084.1	Scaffold670	198151	TT	CC	1940464045
SNP_P1_202185_200825	NW_004516084.1	Scaffold670	200825	AA	TT	1940464046
SNP_P1_202186_200967	NW_004516084.1	Scaffold670	200967	AA	GG	1940464047
SNP_P1_202187_200969	NW_004516084.1	Scaffold670	200969	TT	CC	1940464048
SNP_P1_202188_201204	NW_004516084.1	Scaffold670	201204	TT	CC	1940464049
SNP_P1_202189_201295	NW_004516084.1	Scaffold670	201295	TT	CC	1940464050
SNP_P1_202190_201318	NW_004516084.1	Scaffold670	201318	AA	CC	1940464051
SNP_P1_202191_201370	NW_004516084.1	Scaffold670	201370	AA	GG	1940464052
SNP_P1_202192_201734	NW_004516084.1	Scaffold670	201734	GG	AA	1940464053
SNP_P1_202193_202067	NW_004516084.1	Scaffold670	202067	TT	AA	1940464054
SNP_P1_202194_202079	NW_004516084.1	Scaffold670	202079	AA	TT	1940464055
SNP_P1_202195_202161	NW_004516084.1	Scaffold670	202161	TT	CC	1940464056
SNP_P1_202196_202293	NW_004516084.1	Scaffold670	202293	GG	CC	1940464057
SNP_P1_202197_202373	NW_004516084.1	Scaffold670	202373	TT	AA	1940464058
SNP_P1_202198_202390	NW_004516084.1	Scaffold670	202390	AA	TT	1940464059
SNP_P1_202199_202395	NW_004516084.1	Scaffold670	202395	CC	AA	1940464060
SNP_P1_202200_202401	NW_004516084.1	Scaffold670	202401	AA	CC	1940464061
SNP_P1_202201_205080	NW_004516084.1	Scaffold670	205080	TT	GG	1940464062
SNP_P1_202202_208069	NW_004516084.1	Scaffold670	208069	AA	CC	1940464063
SNP_P1_202203_208296	NW_004516084.1	Scaffold670	208296	AA	CC	1940464064
SNP_P1_202204_208305	NW_004516084.1	Scaffold670	208305	TT	GG	1940464065
SNP_P1_202205_208323	NW_004516084.1	Scaffold670	208323	CC	TT	1940464066
SNP_P1_202206_208324	NW_004516084.1	Scaffold670	208324	TT	CC	1940464067
SNP_P1_202207_211044	NW_004516084.1	Scaffold670	211044	TT	GG	1940464068
SNP_P1_202208_211317	NW_004516084.1	Scaffold670	211317	GG	CC	1940464069
SNP_P1_202210_227956	NW_004516084.1	Scaffold670	227956	GG	AA	1940464070
SNP_P1_202211_227981	NW_004516084.1	Scaffold670	227981	TT	AA	1940464071
SNP_P1_202212_230694	NW_004516084.1	Scaffold670	230694	TT	GG	1940464072
SNP_P1_202213_230740	NW_004516084.1	Scaffold670	230740	AA	TT	1940464073
SNP_P1_202214_231708	NW_004516084.1	Scaffold670	231708	TT	CC	1940464074
SNP_P1_202215_231802	NW_004516084.1	Scaffold670	231802	GG	AA	1940464075
SNP_P1_202216_232217	NW_004516084.1	Scaffold670	232217	AA	GG	1940464076
SNP_P1_202217_232236	NW_004516084.1	Scaffold670	232236	TT	AA	1940464077
SNP_P1_202218_232391	NW_004516084.1	Scaffold670	232391	AA	CC	1940464078
SNP_P1_202219_232585	NW_004516084.1	Scaffold670	232585	AA	GG	1940464079
SNP_P1_202220_232599	NW_004516084.1	Scaffold670	232599	TT	CC	1940464080
SNP_P1_202221_232795	NW_004516084.1	Scaffold670	232795	AA	GG	1940464081
SNP_P1_202222_263119	NW_004516084.1	Scaffold670	263119	TT	AA	1940464082
SNP_P1_202223_263386	NW_004516084.1	Scaffold670	263386	TT	CC	1940464083
SNP_P1_202224_264026	NW_004516084.1	Scaffold670	264026	GG	AA	1940464084

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202225_264052	NW_004516084.1	Scaffold670	264052	TT	AA	1940464085
SNP_P1_202227_86799	NW_004516085.1	Scaffold672	86799	AA	TT	1940464086
SNP_P1_202228_86852	NW_004516085.1	Scaffold672	86852	GG	AA	1940464087
SNP_P1_202229_90812	NW_004516085.1	Scaffold672	90812	CC	TT	1940464088
SNP_P1_202230_93247	NW_004516085.1	Scaffold672	93247	AA	GG	1940464089
SNP_P1_202231_93299	NW_004516085.1	Scaffold672	93299	TT	CC	1940464090
SNP_P1_202232_93310	NW_004516085.1	Scaffold672	93310	AA	CC	1940464091
SNP_P1_202233_93340	NW_004516085.1	Scaffold672	93340	GG	AA	1940464092
SNP_P1_202234_93659	NW_004516085.1	Scaffold672	93659	TT	AA	1940464093
SNP_P1_202235_93882	NW_004516085.1	Scaffold672	93882	CC	GG	1940464094
SNP_P1_202236_95207	NW_004516085.1	Scaffold672	95207	GG	TT	1940464095
SNP_P1_202237_95208	NW_004516085.1	Scaffold672	95208	GG	AA	1940464096
SNP_P1_202238_95295	NW_004516085.1	Scaffold672	95295	GG	AA	1940464097
SNP_P1_202239_95315	NW_004516085.1	Scaffold672	95315	TT	CC	1940464098
SNP_P1_202240_101807	NW_004516085.1	Scaffold672	101807	TT	CC	1940464099
SNP_P1_202241_101942	NW_004516085.1	Scaffold672	101942	AA	CC	1940464100
SNP_P1_202242_102003	NW_004516085.1	Scaffold672	102003	GG	AA	1940464101
SNP_P1_202243_102137	NW_004516085.1	Scaffold672	102137	TT	CC	1940464102
SNP_P1_202244_102446	NW_004516085.1	Scaffold672	102446	TT	CC	1940464103
SNP_P1_202245_102736	NW_004516085.1	Scaffold672	102736	CC	TT	1940464104
SNP_P1_202246_102739	NW_004516085.1	Scaffold672	102739	GG	AA	1940464105
SNP_P1_202247_104149	NW_004516085.1	Scaffold672	104149	TT	CC	1940464106
SNP_P1_202248_104213	NW_004516085.1	Scaffold672	104213	AA	CC	1940464107
SNP_P1_202249_111030	NW_004516085.1	Scaffold672	111030	CC	TT	1940464108
SNP_P1_202250_111099	NW_004516085.1	Scaffold672	111099	CC	AA	1940464109
SNP_P1_202251_111405	NW_004516085.1	Scaffold672	111405	AA	GG	1940464110
SNP_P1_202252_111429	NW_004516085.1	Scaffold672	111429	CC	TT	1940464111
SNP_P1_202253_111443	NW_004516085.1	Scaffold672	111443	GG	AA	1940464112
SNP_P1_202254_111633	NW_004516085.1	Scaffold672	111633	CC	TT	1940464113
SNP_P1_202255_154022	NW_004516085.1	Scaffold672	154022	CC	AA	1940464114
SNP_P1_202256_160781	NW_004516085.1	Scaffold672	160781	TT	AA	1940464116
SNP_P1_202257_160795	NW_004516085.1	Scaffold672	160795	CC	AA	1940464117
SNP_P1_202258_160812	NW_004516085.1	Scaffold672	160812	AA	GG	1940464118
SNP_P1_202259_160975	NW_004516085.1	Scaffold672	160975	GG	TT	1940464119
SNP_P1_202260_160977	NW_004516085.1	Scaffold672	160977	AA	TT	1940464120
SNP_P1_202261_161071	NW_004516085.1	Scaffold672	161071	TT	GG	1940464121
SNP_P1_202262_161176	NW_004516085.1	Scaffold672	161176	AA	GG	1940464122
SNP_P1_202263_161674	NW_004516085.1	Scaffold672	161674	TT	GG	1940464123
SNP_P1_202264_167959	NW_004516085.1	Scaffold672	167959	TT	AA	1940464124
SNP_P1_202265_173436	NW_004516085.1	Scaffold672	173436	GG	AA	1940464125
SNP_P1_202266_173442	NW_004516085.1	Scaffold672	173442	TT	AA	1940464126
SNP_P1_202267_173443	NW_004516085.1	Scaffold672	173443	AA	GG	1940464127

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202268_173444	NW_004516085.1	Scaffold672	173444	TT	CC	1940464128
SNP_P1_202269_182981	NW_004516085.1	Scaffold672	182981	AA	GG	1940464129
SNP_P1_202270_187935	NW_004516085.1	Scaffold672	187935	CC	GG	1940464130
SNP_P1_202271_191941	NW_004516085.1	Scaffold672	191941	CC	TT	1940464131
SNP_P1_202272_191985	NW_004516085.1	Scaffold672	191985	CC	TT	1940464132
SNP_P1_202273_192085	NW_004516085.1	Scaffold672	192085	AA	GG	1940464133
SNP_P1_202274_193580	NW_004516085.1	Scaffold672	193580	AA	GG	1940464134
SNP_P1_202275_193862	NW_004516085.1	Scaffold672	193862	AA	CC	1940464135
SNP_P1_202276_202288	NW_004516085.1	Scaffold672	202288	GG	TT	1940464136
SNP_P1_202277_202303	NW_004516085.1	Scaffold672	202303	TT	GG	1940464137
SNP_P1_202278_205249	NW_004516085.1	Scaffold672	205249	CC	TT	1940464138
SNP_P1_202279_205255	NW_004516085.1	Scaffold672	205255	GG	TT	1940464139
SNP_P1_202280_206802	NW_004516085.1	Scaffold672	206802	GG	TT	1940464140
SNP_P1_202281_206828	NW_004516085.1	Scaffold672	206828	GG	AA	1940464141
SNP_P1_202283_207041	NW_004516085.1	Scaffold672	207041	CC	GG	1940464142
SNP_P1_202284_215815	NW_004516085.1	Scaffold672	215815	AA	GG	1940464143
SNP_P1_202285_217281	NW_004516085.1	Scaffold672	217281	TT	AA	1940464144
SNP_P1_202286_219026	NW_004516085.1	Scaffold672	219026	AA	CC	1940464145
SNP_P1_202287_220369	NW_004516085.1	Scaffold672	220369	TT	CC	1940464146
SNP_P1_202288_223358	NW_004516085.1	Scaffold672	223358	GG	AA	1940464147
SNP_P1_202289_223433	NW_004516085.1	Scaffold672	223433	CC	GG	1940464148
SNP_P1_202290_223438	NW_004516085.1	Scaffold672	223438	CC	AA	1940464149
SNP_P1_202291_223498	NW_004516085.1	Scaffold672	223498	AA	CC	1940464150
SNP_P1_202292_224016	NW_004516085.1	Scaffold672	224016	TT	AA	1940464151
SNP_P1_202293_231586	NW_004516085.1	Scaffold672	231586	GG	CC	1940464152
SNP_P1_202294_231863	NW_004516085.1	Scaffold672	231863	CC	AA	1940464153
SNP_P1_202295_232769	NW_004516085.1	Scaffold672	232769	AA	TT	1940464154
SNP_P1_202296_232955	NW_004516085.1	Scaffold672	232955	GG	AA	1940464155
SNP_P1_202297_233013	NW_004516085.1	Scaffold672	233013	GG	AA	1940464156
SNP_P1_202298_233294	NW_004516085.1	Scaffold672	233294	AA	GG	1940464157
SNP_P1_202299_4734	NW_004516086.1	Scaffold673	4734	AA	TT	1940464158
SNP_P1_202300_10526	NW_004516086.1	Scaffold673	10526	TT	GG	1940464159
SNP_P1_202301_10554	NW_004516086.1	Scaffold673	10554	CC	TT	1940464160
SNP_P1_202302_10912	NW_004516086.1	Scaffold673	10912	AA	CC	1940464161
SNP_P1_202303_14752	NW_004516086.1	Scaffold673	14752	TT	GG	1940464162
SNP_P1_202304_17303	NW_004516086.1	Scaffold673	17303	TT	CC	1940464163
SNP_P1_202305_17358	NW_004516086.1	Scaffold673	17358	AA	TT	1940464164
SNP_P1_202306_17686	NW_004516086.1	Scaffold673	17686	AA	TT	1940464165
SNP_P1_202307_1668	NW_004516087.1	Scaffold674	1668	CC	TT	1940464166
SNP_P1_202308_1740	NW_004516087.1	Scaffold674	1740	CC	TT	1940464167
SNP_P1_202309_1929	NW_004516087.1	Scaffold674	1929	CC	TT	1940464168
SNP_P1_202310_1972	NW_004516087.1	Scaffold674	1972	TT	CC	1940464169

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202311_1994	NW_004516087.1	Scaffold674	1994	CC	AA	1940464170
SNP_P1_202312_4539	NW_004516087.1	Scaffold674	4539	AA	CC	1940464171
SNP_P1_202315_7988	NW_004516087.1	Scaffold674	7988	TT	CC	1940464172
SNP_P1_202316_9324	NW_004516087.1	Scaffold674	9324	AA	TT	1940464173
SNP_P1_202317_12829	NW_004516087.1	Scaffold674	12829	AA	GG	1940464174
SNP_P1_202318_13122	NW_004516087.1	Scaffold674	13122	AA	GG	1940464175
SNP_P1_202319_13145	NW_004516087.1	Scaffold674	13145	CC	GG	1940464176
SNP_P1_202320_13189	NW_004516087.1	Scaffold674	13189	TT	CC	1940464177
SNP_P1_202321_16495	NW_004516087.1	Scaffold674	16495	TT	GG	1940464178
SNP_P1_202322_18545	NW_004516087.1	Scaffold674	18545	TT	CC	1940464179
SNP_P1_202323_18551	NW_004516087.1	Scaffold674	18551	TT	AA	1940464180
SNP_P1_202324_18553	NW_004516087.1	Scaffold674	18553	TT	CC	1940464181
SNP_P1_202325_18557	NW_004516087.1	Scaffold674	18557	AA	GG	1940464182
SNP_P1_202326_18566	NW_004516087.1	Scaffold674	18566	AA	GG	1940464183
SNP_P1_202327_18569	NW_004516087.1	Scaffold674	18569	TT	GG	1940464184
SNP_P1_202328_18578	NW_004516087.1	Scaffold674	18578	TT	CC	1940464185
SNP_P1_202329_18596	NW_004516087.1	Scaffold674	18596	TT	CC	1940464186
SNP_P1_202330_18602	NW_004516087.1	Scaffold674	18602	GG	AA	1940464187
SNP_P1_202331_18603	NW_004516087.1	Scaffold674	18603	GG	AA	1940464188
SNP_P1_202332_18611	NW_004516087.1	Scaffold674	18611	CC	TT	1940464189
SNP_P1_202333_18614	NW_004516087.1	Scaffold674	18614	AA	TT	1940464190
SNP_P1_202334_18626	NW_004516087.1	Scaffold674	18626	AA	GG	1940464191
SNP_P1_202335_18631	NW_004516087.1	Scaffold674	18631	AA	GG	1940464192
SNP_P1_202336_18645	NW_004516087.1	Scaffold674	18645	AA	GG	1940464193
SNP_P1_202337_18654	NW_004516087.1	Scaffold674	18654	TT	CC	1940464194
SNP_P1_202338_18659	NW_004516087.1	Scaffold674	18659	AA	GG	1940464195
SNP_P1_202339_18686	NW_004516087.1	Scaffold674	18686	AA	GG	1940464196
SNP_P1_202340_18695	NW_004516087.1	Scaffold674	18695	AA	GG	1940464197
SNP_P1_202341_18703	NW_004516087.1	Scaffold674	18703	TT	CC	1940464198
SNP_P1_202342_18707	NW_004516087.1	Scaffold674	18707	TT	CC	1940464199
SNP_P1_202343_19159	NW_004516087.1	Scaffold674	19159	CC	TT	1940464200
SNP_P1_202344_19164	NW_004516087.1	Scaffold674	19164	GG	AA	1940464201
SNP_P1_202345_19461	NW_004516087.1	Scaffold674	19461	AA	GG	1940464202
SNP_P1_202346_22778	NW_004516087.1	Scaffold674	22778	TT	AA	1940464203
SNP_P1_202349_26845	NW_004516087.1	Scaffold674	26845	AA	GG	1940464204
SNP_P1_202350_28269	NW_004516087.1	Scaffold674	28269	TT	GG	1940464205
SNP_P1_202351_29835	NW_004516087.1	Scaffold674	29835	GG	AA	1940464206
SNP_P1_202352_31283	NW_004516087.1	Scaffold674	31283	GG	AA	1940464207
SNP_P1_202353_31896	NW_004516087.1	Scaffold674	31896	GG	AA	1940464208
SNP_P1_202354_31995	NW_004516087.1	Scaffold674	31995	GG	AA	1940464209
SNP_P1_202355_32231	NW_004516087.1	Scaffold674	32231	GG	AA	1940464210
SNP_P1_202356_32293	NW_004516087.1	Scaffold674	32293	AA	GG	1940464211

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202357_32418	NW_004516087.1	Scaffold674	32418	TT	CC	1940464212
SNP_P1_202358_32454	NW_004516087.1	Scaffold674	32454	AA	GG	1940464213
SNP_P1_202359_32831	NW_004516087.1	Scaffold674	32831	AA	GG	1940464214
SNP_P1_202360_34070	NW_004516087.1	Scaffold674	34070	GG	AA	1940464215
SNP_P1_202361_35127	NW_004516087.1	Scaffold674	35127	TT	CC	1940464216
SNP_P1_202362_35325	NW_004516087.1	Scaffold674	35325	TT	GG	1940464217
SNP_P1_202363_35346	NW_004516087.1	Scaffold674	35346	GG	TT	1940464218
SNP_P1_202364_39358	NW_004516087.1	Scaffold674	39358	AA	GG	1940464219
SNP_P1_202365_39425	NW_004516087.1	Scaffold674	39425	AA	GG	1940464220
SNP_P1_202366_42769	NW_004516087.1	Scaffold674	42769	AA	GG	1940464221
SNP_P1_202367_43526	NW_004516087.1	Scaffold674	43526	TT	CC	1940464222
SNP_P1_202368_44355	NW_004516087.1	Scaffold674	44355	TT	CC	1940464223
SNP_P1_202369_44624	NW_004516087.1	Scaffold674	44624	GG	TT	1940464224
SNP_P1_202370_44692	NW_004516087.1	Scaffold674	44692	AA	CC	1940464225
SNP_P1_202371_44978	NW_004516087.1	Scaffold674	44978	GG	TT	1940464226
SNP_P1_202372_45029	NW_004516087.1	Scaffold674	45029	AA	GG	1940464227
SNP_P1_202373_45205	NW_004516087.1	Scaffold674	45205	CC	TT	1940464228
SNP_P1_202374_47652	NW_004516087.1	Scaffold674	47652	TT	CC	1940464229
SNP_P1_202375_52308	NW_004516087.1	Scaffold674	52308	AA	TT	1940464230
SNP_P1_202376_53031	NW_004516087.1	Scaffold674	53031	GG	TT	1940464231
SNP_P1_202377_55640	NW_004516087.1	Scaffold674	55640	AA	CC	1940464232
SNP_P1_202378_55642	NW_004516087.1	Scaffold674	55642	CC	AA	1940464233
SNP_P1_202379_58786	NW_004516087.1	Scaffold674	58786	GG	AA	1940464234
SNP_P1_202380_63686	NW_004516087.1	Scaffold674	63686	TT	AA	1940464235
SNP_P1_202381_63687	NW_004516087.1	Scaffold674	63687	GG	TT	1940464236
SNP_P1_202382_63777	NW_004516087.1	Scaffold674	63777	CC	AA	1940464237
SNP_P1_202383_63842	NW_004516087.1	Scaffold674	63842	CC	TT	1940464238
SNP_P1_202384_71977	NW_004516087.1	Scaffold674	71977	AA	CC	1940464239
SNP_P1_202385_76927	NW_004516087.1	Scaffold674	76927	AA	CC	1940464240
SNP_P1_202386_78144	NW_004516087.1	Scaffold674	78144	CC	TT	1940464241
SNP_P1_202387_82910	NW_004516087.1	Scaffold674	82910	TT	AA	1940464242
SNP_P1_202388_82911	NW_004516087.1	Scaffold674	82911	GG	AA	1940464243
SNP_P1_202389_84264	NW_004516087.1	Scaffold674	84264	GG	AA	1940464244
SNP_P1_202391_87139	NW_004516087.1	Scaffold674	87139	TT	CC	1940464245
SNP_P1_202392_87145	NW_004516087.1	Scaffold674	87145	TT	CC	1940464246
SNP_P1_202393_87170	NW_004516087.1	Scaffold674	87170	AA	GG	1940464247
SNP_P1_202394_87173	NW_004516087.1	Scaffold674	87173	TT	CC	1940464248
SNP_P1_202395_87274	NW_004516087.1	Scaffold674	87274	TT	CC	1940464249
SNP_P1_202396_87416	NW_004516087.1	Scaffold674	87416	GG	AA	1940464250
SNP_P1_202397_87449	NW_004516087.1	Scaffold674	87449	CC	TT	1940464251
SNP_P1_202398_90805	NW_004516087.1	Scaffold674	90805	TT	CC	1940464252
SNP_P1_202399_95620	NW_004516087.1	Scaffold674	95620	TT	CC	1940464253

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202400_96495	NW_004516087.1	Scaffold674	96495	CC	TT	1940464254
SNP_P1_202401_96780	NW_004516087.1	Scaffold674	96780	GG	TT	1940464255
SNP_P1_202402_96825	NW_004516087.1	Scaffold674	96825	GG	AA	1940464256
SNP_P1_202403_96829	NW_004516087.1	Scaffold674	96829	AA	GG	1940464257
SNP_P1_202404_99719	NW_004516087.1	Scaffold674	99719	AA	CC	1940464258
SNP_P1_202405_100278	NW_004516087.1	Scaffold674	100278	GG	AA	1940464259
SNP_P1_202406_100575	NW_004516087.1	Scaffold674	100575	AA	GG	1940464260
SNP_P1_202407_105021	NW_004516087.1	Scaffold674	105021	AA	GG	1940464261
SNP_P1_202408_107176	NW_004516087.1	Scaffold674	107176	GG	AA	1940464262
SNP_P1_202409_114131	NW_004516087.1	Scaffold674	114131	TT	CC	1940464263
SNP_P1_202410_114389	NW_004516087.1	Scaffold674	114389	TT	GG	1940464264
SNP_P1_202411_118763	NW_004516087.1	Scaffold674	118763	GG	AA	1940464265
SNP_P1_202412_119374	NW_004516087.1	Scaffold674	119374	AA	GG	1940464266
SNP_P1_202413_124269	NW_004516087.1	Scaffold674	124269	AA	GG	1940464267
SNP_P1_202414_124356	NW_004516087.1	Scaffold674	124356	TT	CC	1940464268
SNP_P1_202415_124584	NW_004516087.1	Scaffold674	124584	GG	AA	1940464269
SNP_P1_202416_127593	NW_004516087.1	Scaffold674	127593	TT	AA	1940464270
SNP_P1_202417_131026	NW_004516087.1	Scaffold674	131026	AA	GG	1940464271
SNP_P1_202418_131824	NW_004516087.1	Scaffold674	131824	AA	GG	1940464272
SNP_P1_202419_131835	NW_004516087.1	Scaffold674	131835	AA	GG	1940464273
SNP_P1_202420_132944	NW_004516087.1	Scaffold674	132944	GG	AA	1940464274
SNP_P1_202421_135940	NW_004516087.1	Scaffold674	135940	GG	AA	1940464276
SNP_P1_202422_139386	NW_004516087.1	Scaffold674	139386	CC	TT	1940464277
SNP_P1_202423_139466	NW_004516087.1	Scaffold674	139466	TT	CC	1940464278
SNP_P1_202424_139591	NW_004516087.1	Scaffold674	139591	TT	AA	1940464279
SNP_P1_202425_140953	NW_004516087.1	Scaffold674	140953	TT	AA	1940464280
SNP_P1_202426_142374	NW_004516087.1	Scaffold674	142374	GG	AA	1940464281
SNP_P1_202427_145717	NW_004516087.1	Scaffold674	145717	GG	AA	1940464282
SNP_P1_202428_145877	NW_004516087.1	Scaffold674	145877	CC	TT	1940464283
SNP_P1_202429_149786	NW_004516087.1	Scaffold674	149786	AA	GG	1940464284
SNP_P1_202430_150775	NW_004516087.1	Scaffold674	150775	TT	AA	1940464285
SNP_P1_202431_150776	NW_004516087.1	Scaffold674	150776	TT	AA	1940464286
SNP_P1_202432_151360	NW_004516087.1	Scaffold674	151360	CC	AA	1940464287
SNP_P1_202433_155936	NW_004516087.1	Scaffold674	155936	TT	CC	1940464288
SNP_P1_202436_157728	NW_004516087.1	Scaffold674	157728	GG	CC	1940464289
SNP_P1_202439_163296	NW_004516087.1	Scaffold674	163296	TT	GG	1940464290
SNP_P1_202440_175939	NW_004516087.1	Scaffold674	175939	GG	TT	1940464291
SNP_P1_202441_178151	NW_004516087.1	Scaffold674	178151	GG	CC	1940464292
SNP_P1_202442_179704	NW_004516087.1	Scaffold674	179704	TT	CC	1940464293
SNP_P1_202443_179835	NW_004516087.1	Scaffold674	179835	TT	CC	1940464294
SNP_P1_202444_180991	NW_004516087.1	Scaffold674	180991	CC	AA	1940464295
SNP_P1_202445_180992	NW_004516087.1	Scaffold674	180992	GG	TT	1940464296

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202446_181257	NW_004516087.1	Scaffold674	181257	GG	AA	1940464297
SNP_P1_202447_181270	NW_004516087.1	Scaffold674	181270	TT	AA	1940464298
SNP_P1_202449_181558	NW_004516087.1	Scaffold674	181558	GG	AA	1940464299
SNP_P1_202450_181561	NW_004516087.1	Scaffold674	181561	GG	AA	1940464300
SNP_P1_202451_181593	NW_004516087.1	Scaffold674	181593	TT	CC	1940464301
SNP_P1_202452_181601	NW_004516087.1	Scaffold674	181601	TT	CC	1940464302
SNP_P1_202454_181754	NW_004516087.1	Scaffold674	181754	TT	CC	1940464303
SNP_P1_202455_181772	NW_004516087.1	Scaffold674	181772	CC	TT	1940464304
SNP_P1_202456_181837	NW_004516087.1	Scaffold674	181837	CC	GG	1940464305
SNP_P1_202458_181953	NW_004516087.1	Scaffold674	181953	CC	TT	1940464306
SNP_P1_202459_187044	NW_004516087.1	Scaffold674	187044	AA	GG	1940464307
SNP_P1_202460_187117	NW_004516087.1	Scaffold674	187117	TT	GG	1940464308
SNP_P1_202461_189598	NW_004516087.1	Scaffold674	189598	CC	TT	1940464309
SNP_P1_202462_195965	NW_004516087.1	Scaffold674	195965	AA	GG	1940464310
SNP_P1_202463_198702	NW_004516087.1	Scaffold674	198702	TT	GG	1940464311
SNP_P1_202464_200190	NW_004516087.1	Scaffold674	200190	AA	GG	1940464312
SNP_P1_202465_201989	NW_004516087.1	Scaffold674	201989	AA	GG	1940464313
SNP_P1_202466_202889	NW_004516087.1	Scaffold674	202889	TT	CC	1940464314
SNP_P1_202467_202898	NW_004516087.1	Scaffold674	202898	TT	CC	1940464315
SNP_P1_202468_212378	NW_004516087.1	Scaffold674	212378	TT	GG	1940464316
SNP_P1_202469_215021	NW_004516087.1	Scaffold674	215021	AA	GG	1940464317
SNP_P1_202470_219128	NW_004516087.1	Scaffold674	219128	GG	AA	1940464318
SNP_P1_202471_219972	NW_004516087.1	Scaffold674	219972	GG	AA	1940464319
SNP_P1_202472_221205	NW_004516087.1	Scaffold674	221205	TT	CC	1940464320
SNP_P1_202474_222305	NW_004516087.1	Scaffold674	222305	GG	AA	1940464321
SNP_P1_202475_222939	NW_004516087.1	Scaffold674	222939	CC	TT	1940464322
SNP_P1_202476_224776	NW_004516087.1	Scaffold674	224776	AA	GG	1940464323
SNP_P1_202479_229584	NW_004516087.1	Scaffold674	229584	AA	TT	1940464324
SNP_P1_202480_231530	NW_004516087.1	Scaffold674	231530	GG	AA	1940464325
SNP_P1_202482_233639	NW_004516087.1	Scaffold674	233639	GG	CC	1940464326
SNP_P1_202483_237964	NW_004516087.1	Scaffold674	237964	AA	GG	1940464327
SNP_P1_202484_240342	NW_004516087.1	Scaffold674	240342	TT	CC	1940464328
SNP_P1_202487_243105	NW_004516087.1	Scaffold674	243105	CC	AA	1940464329
SNP_P1_202489_243672	NW_004516087.1	Scaffold674	243672	TT	CC	1940464330
SNP_P1_202491_247673	NW_004516087.1	Scaffold674	247673	GG	CC	1940464331
SNP_P1_202492_248051	NW_004516087.1	Scaffold674	248051	AA	GG	1940464332
SNP_P1_202495_248883	NW_004516087.1	Scaffold674	248883	CC	TT	1940464333
SNP_P1_202496_249213	NW_004516087.1	Scaffold674	249213	GG	AA	1940464334
SNP_P1_202497_249301	NW_004516087.1	Scaffold674	249301	AA	GG	1940464335
SNP_P1_202498_250220	NW_004516087.1	Scaffold674	250220	AA	GG	1940464336
SNP_P1_202499_253481	NW_004516087.1	Scaffold674	253481	GG	CC	1940464337
SNP_P1_202500_253563	NW_004516087.1	Scaffold674	253563	GG	CC	1940464338

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202501_254380	NW_004516087.1	Scaffold674	254380	TT	AA	1940464339
SNP_P1_202503_256267	NW_004516087.1	Scaffold674	256267	GG	AA	1940464340
SNP_P1_202504_256971	NW_004516087.1	Scaffold674	256971	TT	CC	1940464341
SNP_P1_202505_257299	NW_004516087.1	Scaffold674	257299	TT	AA	1940464342
SNP_P1_202506_257545	NW_004516087.1	Scaffold674	257545	GG	AA	1940464343
SNP_P1_202507_260230	NW_004516087.1	Scaffold674	260230	GG	CC	1940464344
SNP_P1_202508_260507	NW_004516087.1	Scaffold674	260507	AA	GG	1940464345
SNP_P1_202509_260965	NW_004516087.1	Scaffold674	260965	GG	AA	1940464346
SNP_P1_202511_264848	NW_004516087.1	Scaffold674	264848	GG	TT	1940464347
SNP_P1_202513_270266	NW_004516087.1	Scaffold674	270266	CC	AA	1940464348
SNP_P1_202514_272234	NW_004516087.1	Scaffold674	272234	AA	GG	1940464349
SNP_P1_202515_280782	NW_004516087.1	Scaffold674	280782	CC	TT	1940464350
SNP_P1_202516_282224	NW_004516087.1	Scaffold674	282224	TT	AA	1940464351
SNP_P1_202517_282225	NW_004516087.1	Scaffold674	282225	TT	CC	1940464352
SNP_P1_202518_283954	NW_004516087.1	Scaffold674	283954	GG	AA	1940464353
SNP_P1_202519_284018	NW_004516087.1	Scaffold674	284018	GG	CC	1940464354
SNP_P1_202520_284319	NW_004516087.1	Scaffold674	284319	AA	GG	1940464355
SNP_P1_202521_288116	NW_004516087.1	Scaffold674	288116	AA	CC	1940464356
SNP_P1_202522_288627	NW_004516087.1	Scaffold674	288627	TT	CC	1940464357
SNP_P1_202523_288933	NW_004516087.1	Scaffold674	288933	TT	CC	1940464358
SNP_P1_202524_288942	NW_004516087.1	Scaffold674	288942	TT	CC	1940464359
SNP_P1_202525_289485	NW_004516087.1	Scaffold674	289485	AA	TT	1940464360
SNP_P1_202526_291060	NW_004516087.1	Scaffold674	291060	CC	TT	1940464361
SNP_P1_202527_291218	NW_004516087.1	Scaffold674	291218	TT	AA	1940464362
SNP_P1_202528_293317	NW_004516087.1	Scaffold674	293317	AA	GG	1940464363
SNP_P1_202529_293461	NW_004516087.1	Scaffold674	293461	GG	CC	1940464364
SNP_P1_202530_310164	NW_004516087.1	Scaffold674	310164	TT	AA	1940464365
SNP_P1_202532_312408	NW_004516087.1	Scaffold674	312408	TT	CC	1940464366
SNP_P1_202534_316532	NW_004516087.1	Scaffold674	316532	CC	TT	1940464367
SNP_P1_202535_319654	NW_004516087.1	Scaffold674	319654	CC	TT	1940464368
SNP_P1_202536_319725	NW_004516087.1	Scaffold674	319725	TT	CC	1940464369
SNP_P1_202537_328673	NW_004516087.1	Scaffold674	328673	GG	AA	1940464370
SNP_P1_202538_328727	NW_004516087.1	Scaffold674	328727	TT	CC	1940464371
SNP_P1_202539_331886	NW_004516087.1	Scaffold674	331886	AA	TT	1940464372
SNP_P1_202540_332198	NW_004516087.1	Scaffold674	332198	CC	AA	1940464373
SNP_P1_202541_334281	NW_004516087.1	Scaffold674	334281	TT	AA	1940464374
SNP_P1_202542_339680	NW_004516087.1	Scaffold674	339680	CC	TT	1940464375
SNP_P1_202545_352548	NW_004516087.1	Scaffold674	352548	TT	CC	1940464376
SNP_P1_202546_352562	NW_004516087.1	Scaffold674	352562	CC	AA	1940464377
SNP_P1_202547_359015	NW_004516087.1	Scaffold674	359015	CC	AA	1940464378
SNP_P1_202548_363679	NW_004516087.1	Scaffold674	363679	GG	CC	1940464379
SNP_P1_202549_364862	NW_004516087.1	Scaffold674	364862	GG	CC	1940464380

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SNP_P1_202550_365482	NW_004516087.1	Scaffold674	365482	TT	AA	1940464381
SNP_P1_202551_365767	NW_004516087.1	Scaffold674	365767	AA	CC	1940464382
SNP_P1_202552_366526	NW_004516087.1	Scaffold674	366526	GG	CC	1940464383
SNP_P1_202553_366980	NW_004516087.1	Scaffold674	366980	AA	GG	1940464384
SNP_P1_202554_369743	NW_004516087.1	Scaffold674	369743	CC	TT	1940464385
SNP_P1_202555_369797	NW_004516087.1	Scaffold674	369797	TT	CC	1940464386
SNP_P1_202556_369889	NW_004516087.1	Scaffold674	369889	AA	GG	1940464387
SNP_P1_202557_370140	NW_004516087.1	Scaffold674	370140	TT	CC	1940464388
SNP_P1_202558_371541	NW_004516087.1	Scaffold674	371541	CC	AA	1940464389
SNP_P1_202559_372015	NW_004516087.1	Scaffold674	372015	AA	GG	1940464390
SNP_P1_202560_372766	NW_004516087.1	Scaffold674	372766	CC	TT	1940464392
SNP_P1_202561_373198	NW_004516087.1	Scaffold674	373198	CC	TT	1940464393
SNP_P1_202562_377802	NW_004516087.1	Scaffold674	377802	TT	CC	1940464394
SNP_P1_202563_378816	NW_004516087.1	Scaffold674	378816	CC	AA	1940464395
SNP_P1_202564_391718	NW_004516087.1	Scaffold674	391718	TT	CC	1940464396
SNP_P1_202565_392076	NW_004516087.1	Scaffold674	392076	CC	AA	1940464397
SNP_P1_202566_392142	NW_004516087.1	Scaffold674	392142	CC	TT	1940464398
SNP_P1_202567_393753	NW_004516087.1	Scaffold674	393753	AA	CC	1940464399
SNP_P1_202570_396773	NW_004516087.1	Scaffold674	396773	AA	GG	1940464400
SNP_P1_202571_396982	NW_004516087.1	Scaffold674	396982	AA	CC	1940464401
SNP_P1_202572_400863	NW_004516087.1	Scaffold674	400863	TT	CC	1940464402
SNP_P1_202573_400881	NW_004516087.1	Scaffold674	400881	AA	GG	1940464403
SNP_P1_202574_400882	NW_004516087.1	Scaffold674	400882	TT	CC	1940464404
SNP_P1_202575_401149	NW_004516087.1	Scaffold674	401149	TT	CC	1940464405
SNP_P1_202576_401155	NW_004516087.1	Scaffold674	401155	CC	TT	1940464406
SNP_P1_202577_401161	NW_004516087.1	Scaffold674	401161	AA	TT	1940464407
SNP_P1_202579_401328	NW_004516087.1	Scaffold674	401328	CC	AA	1940464408
SNP_P1_202580_401330	NW_004516087.1	Scaffold674	401330	AA	CC	1940464409
SNP_P1_202581_401338	NW_004516087.1	Scaffold674	401338	TT	GG	1940464410
SNP_P1_202582_401343	NW_004516087.1	Scaffold674	401343	CC	AA	1940464411
SNP_P1_202583_401380	NW_004516087.1	Scaffold674	401380	GG	TT	1940464412
SNP_P1_202584_401414	NW_004516087.1	Scaffold674	401414	GG	TT	1940464413
SNP_P1_202585_401430	NW_004516087.1	Scaffold674	401430	AA	GG	1940464414
SNP_P1_202587_401523	NW_004516087.1	Scaffold674	401523	GG	TT	1940464415
SNP_P1_202588_404866	NW_004516087.1	Scaffold674	404866	TT	CC	1940464416
SNP_P1_202590_405016	NW_004516087.1	Scaffold674	405016	CC	AA	1940464417
SNP_P1_202591_405064	NW_004516087.1	Scaffold674	405064	AA	TT	1940464418
SNP_P1_202592_405077	NW_004516087.1	Scaffold674	405077	AA	GG	1940464419
SNP_P1_202593_406299	NW_004516087.1	Scaffold674	406299	AA	GG	1940464420
SNP_P1_202594_406357	NW_004516087.1	Scaffold674	406357	CC	TT	1940464421
SNP_P1_202595_407677	NW_004516087.1	Scaffold674	407677	TT	CC	1940464422
SNP_P1_202596_410882	NW_004516087.1	Scaffold674	410882	AA	TT	1940464423

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202597_413704	NW_004516087.1	Scaffold674	413704	TT	AA	1940464424
SNP_P1_202598_416132	NW_004516087.1	Scaffold674	416132	TT	CC	1940464425
SNP_P1_202599_416408	NW_004516087.1	Scaffold674	416408	AA	CC	1940464426
SNP_P1_202600_426112	NW_004516087.1	Scaffold674	426112	GG	AA	1940464427
SNP_P1_202601_426127	NW_004516087.1	Scaffold674	426127	AA	TT	1940464428
SNP_P1_202602_426701	NW_004516087.1	Scaffold674	426701	AA	GG	1940464429
SNP_P1_202603_426771	NW_004516087.1	Scaffold674	426771	GG	TT	1940464430
SNP_P1_202604_427354	NW_004516087.1	Scaffold674	427354	CC	AA	1940464431
SNP_P1_202605_427460	NW_004516087.1	Scaffold674	427460	CC	TT	1940464432
SNP_P1_202606_430466	NW_004516087.1	Scaffold674	430466	TT	GG	1940464433
SNP_P1_202607_431269	NW_004516087.1	Scaffold674	431269	GG	TT	1940464434
SNP_P1_202608_431573	NW_004516087.1	Scaffold674	431573	TT	AA	1940464435
SNP_P1_202610_431925	NW_004516087.1	Scaffold674	431925	CC	TT	1940464436
SNP_P1_202611_433967	NW_004516087.1	Scaffold674	433967	AA	TT	1940464437
SNP_P1_202612_434428	NW_004516087.1	Scaffold674	434428	CC	TT	1940464438
SNP_P1_202613_436506	NW_004516087.1	Scaffold674	436506	GG	AA	1940464439
SNP_P1_202614_436511	NW_004516087.1	Scaffold674	436511	CC	AA	1940464440
SNP_P1_202617_438266	NW_004516087.1	Scaffold674	438266	AA	GG	1940464441
SNP_P1_202618_438286	NW_004516087.1	Scaffold674	438286	GG	AA	1940464442
SNP_P1_202620_441137	NW_004516087.1	Scaffold674	441137	CC	TT	1940464443
SNP_P1_202621_441192	NW_004516087.1	Scaffold674	441192	AA	TT	1940464444
SNP_P1_202623_446890	NW_004516087.1	Scaffold674	446890	CC	GG	1940464445
SNP_P1_202624_454884	NW_004516087.1	Scaffold674	454884	TT	CC	1940464446
SNP_P1_202625_455753	NW_004516087.1	Scaffold674	455753	AA	GG	1940464447
SNP_P1_202626_457372	NW_004516087.1	Scaffold674	457372	AA	GG	1940464448
SNP_P1_202629_458772	NW_004516087.1	Scaffold674	458772	GG	AA	1940464449
SNP_P1_202630_459088	NW_004516087.1	Scaffold674	459088	GG	CC	1940464450
SNP_P1_202631_459548	NW_004516087.1	Scaffold674	459548	TT	CC	1940464451
SNP_P1_202632_462467	NW_004516087.1	Scaffold674	462467	CC	TT	1940464452
SNP_P1_202633_462690	NW_004516087.1	Scaffold674	462690	AA	GG	1940464453
SNP_P1_202634_467056	NW_004516087.1	Scaffold674	467056	TT	CC	1940464454
SNP_P1_202635_467090	NW_004516087.1	Scaffold674	467090	CC	GG	1940464455
SNP_P1_202637_468811	NW_004516087.1	Scaffold674	468811	GG	AA	1940464456
SNP_P1_202640_477977	NW_004516087.1	Scaffold674	477977	TT	GG	1940464457
SNP_P1_202641_480184	NW_004516087.1	Scaffold674	480184	CC	TT	1940464458
SNP_P1_202642_480297	NW_004516087.1	Scaffold674	480297	GG	AA	1940464459
SNP_P1_202643_481841	NW_004516087.1	Scaffold674	481841	GG	AA	1940464460
SNP_P1_202644_482868	NW_004516087.1	Scaffold674	482868	CC	TT	1940464461
SNP_P1_202645_483176	NW_004516087.1	Scaffold674	483176	TT	CC	1940464462
SNP_P1_202646_483207	NW_004516087.1	Scaffold674	483207	GG	AA	1940464463
SNP_P1_202647_484043	NW_004516087.1	Scaffold674	484043	CC	GG	1940464464
SNP_P1_202648_488819	NW_004516087.1	Scaffold674	488819	AA	GG	1940464465

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202649_496683	NW_004516087.1	Scaffold674	496683	AA	GG	1940464466
SNP_P1_202650_499406	NW_004516087.1	Scaffold674	499406	TT	CC	1940464467
SNP_P1_202651_499648	NW_004516087.1	Scaffold674	499648	GG	CC	1940464468
SNP_P1_202652_500787	NW_004516087.1	Scaffold674	500787	TT	CC	1940464469
SNP_P1_202653_500799	NW_004516087.1	Scaffold674	500799	AA	TT	1940464470
SNP_P1_202654_501085	NW_004516087.1	Scaffold674	501085	CC	TT	1940464471
SNP_P1_202655_501688	NW_004516087.1	Scaffold674	501688	GG	CC	1940464472
SNP_P1_202656_501739	NW_004516087.1	Scaffold674	501739	AA	GG	1940464473
SNP_P1_202657_502968	NW_004516087.1	Scaffold674	502968	TT	CC	1940464474
SNP_P1_202658_504076	NW_004516087.1	Scaffold674	504076	GG	CC	1940464475
SNP_P1_202659_504331	NW_004516087.1	Scaffold674	504331	AA	CC	1940464476
SNP_P1_202660_505813	NW_004516087.1	Scaffold674	505813	GG	CC	1940464477
SNP_P1_202662_511516	NW_004516087.1	Scaffold674	511516	AA	GG	1940464478
SNP_P1_202663_514911	NW_004516087.1	Scaffold674	514911	TT	CC	1940464479
SNP_P1_202664_515570	NW_004516087.1	Scaffold674	515570	CC	AA	1940464480
SNP_P1_202666_522135	NW_004516087.1	Scaffold674	522135	CC	TT	1940464481
SNP_P1_202668_530030	NW_004516087.1	Scaffold674	530030	CC	TT	1940464482
SNP_P1_202670_533155	NW_004516087.1	Scaffold674	533155	AA	GG	1940464483
SNP_P1_202671_533405	NW_004516087.1	Scaffold674	533405	GG	CC	1940464484
SNP_P1_202672_538749	NW_004516087.1	Scaffold674	538749	GG	AA	1940464485
SNP_P1_202673_541487	NW_004516087.1	Scaffold674	541487	TT	CC	1940464486
SNP_P1_202674_541516	NW_004516087.1	Scaffold674	541516	TT	GG	1940464487
SNP_P1_202675_541520	NW_004516087.1	Scaffold674	541520	AA	CC	1940464488
SNP_P1_202676_542702	NW_004516087.1	Scaffold674	542702	AA	CC	1940464489
SNP_P1_202677_543854	NW_004516087.1	Scaffold674	543854	AA	TT	1940464490
SNP_P1_202678_545311	NW_004516087.1	Scaffold674	545311	AA	GG	1940464491
SNP_P1_202679_546615	NW_004516087.1	Scaffold674	546615	AA	GG	1940464492
SNP_P1_202680_550199	NW_004516087.1	Scaffold674	550199	TT	CC	1940464493
SNP_P1_202681_551089	NW_004516087.1	Scaffold674	551089	CC	TT	1940464494
SNP_P1_202682_551417	NW_004516087.1	Scaffold674	551417	TT	GG	1940464495
SNP_P1_202683_551525	NW_004516087.1	Scaffold674	551525	GG	AA	1940464496
SNP_P1_202686_554910	NW_004516087.1	Scaffold674	554910	GG	TT	1940464497
SNP_P1_202687_557205	NW_004516087.1	Scaffold674	557205	CC	TT	1940464498
SNP_P1_202688_559487	NW_004516087.1	Scaffold674	559487	AA	GG	1940464499
SNP_P1_202689_560030	NW_004516087.1	Scaffold674	560030	CC	AA	1940464500
SNP_P1_202690_560136	NW_004516087.1	Scaffold674	560136	CC	GG	1940464501
SNP_P1_202691_560601	NW_004516087.1	Scaffold674	560601	CC	GG	1940464502
SNP_P1_202692_562606	NW_004516087.1	Scaffold674	562606	TT	AA	1940464503
SNP_P1_202693_569209	NW_004516087.1	Scaffold674	569209	GG	TT	1940464504
SNP_P1_202694_569847	NW_004516087.1	Scaffold674	569847	CC	TT	1940464505
SNP_P1_202696_570584	NW_004516087.1	Scaffold674	570584	GG	AA	1940464506
SNP_P1_202697_572026	NW_004516087.1	Scaffold674	572026	CC	TT	1940464507

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202698_575262	NW_004516087.1	Scaffold674	575262	CC	TT	1940464508
SNP_P1_202699_580066	NW_004516087.1	Scaffold674	580066	AA	CC	1940464509
SNP_P1_202700_580466	NW_004516087.1	Scaffold674	580466	AA	GG	1940464510
SNP_P1_202701_580826	NW_004516087.1	Scaffold674	580826	CC	TT	1940464511
SNP_P1_202703_582768	NW_004516087.1	Scaffold674	582768	TT	CC	1940464512
SNP_P1_202704_587463	NW_004516087.1	Scaffold674	587463	AA	TT	1940464513
SNP_P1_202706_591685	NW_004516087.1	Scaffold674	591685	CC	TT	1940464514
SNP_P1_202708_594433	NW_004516087.1	Scaffold674	594433	TT	CC	1940464515
SNP_P1_202709_594697	NW_004516087.1	Scaffold674	594697	GG	TT	1940464516
SNP_P1_202711_594876	NW_004516087.1	Scaffold674	594876	AA	GG	1940464517
SNP_P1_202712_595032	NW_004516087.1	Scaffold674	595032	TT	AA	1940464518
SNP_P1_202714_602479	NW_004516087.1	Scaffold674	602479	AA	TT	1940464519
SNP_P1_202715_603030	NW_004516087.1	Scaffold674	603030	AA	CC	1940464520
SNP_P1_202716_604516	NW_004516087.1	Scaffold674	604516	AA	GG	1940464521
SNP_P1_202717_610427	NW_004516087.1	Scaffold674	610427	TT	CC	1940464522
SNP_P1_202718_611052	NW_004516087.1	Scaffold674	611052	CC	TT	1940464523
SNP_P1_202720_613320	NW_004516087.1	Scaffold674	613320	TT	CC	1940464524
SNP_P1_202721_614533	NW_004516087.1	Scaffold674	614533	TT	CC	1940464525
SNP_P1_202722_614650	NW_004516087.1	Scaffold674	614650	AA	CC	1940464526
SNP_P1_202723_614658	NW_004516087.1	Scaffold674	614658	GG	TT	1940464527
SNP_P1_202724_616074	NW_004516087.1	Scaffold674	616074	GG	CC	1940464528
SNP_P1_202726_617727	NW_004516087.1	Scaffold674	617727	CC	TT	1940464529
SNP_P1_202727_618411	NW_004516087.1	Scaffold674	618411	GG	AA	1940464530
SNP_P1_202728_619956	NW_004516087.1	Scaffold674	619956	AA	GG	1940464531
SNP_P1_202729_621435	NW_004516087.1	Scaffold674	621435	TT	AA	1940464532
SNP_P1_202730_622221	NW_004516087.1	Scaffold674	622221	TT	GG	1940464533
SNP_P1_202731_624934	NW_004516087.1	Scaffold674	624934	GG	AA	1940464534
SNP_P1_202732_625245	NW_004516087.1	Scaffold674	625245	GG	AA	1940464535
SNP_P1_202733_625271	NW_004516087.1	Scaffold674	625271	TT	CC	1940464536
SNP_P1_202734_626002	NW_004516087.1	Scaffold674	626002	CC	TT	1940464537
SNP_P1_202736_626244	NW_004516087.1	Scaffold674	626244	AA	GG	1940464538
SNP_P1_202738_628195	NW_004516087.1	Scaffold674	628195	TT	AA	1940464539
SNP_P1_202739_635370	NW_004516087.1	Scaffold674	635370	GG	TT	1940464540
SNP_P1_202740_635948	NW_004516087.1	Scaffold674	635948	AA	TT	1940464541
SNP_P1_202741_638403	NW_004516087.1	Scaffold674	638403	CC	TT	1940464542
SNP_P1_202742_639457	NW_004516087.1	Scaffold674	639457	GG	TT	1940464543
SNP_P1_202743_640600	NW_004516087.1	Scaffold674	640600	CC	TT	1940464544
SNP_P1_202744_640665	NW_004516087.1	Scaffold674	640665	AA	GG	1940464545
SNP_P1_202745_645156	NW_004516087.1	Scaffold674	645156	CC	TT	1940464547
SNP_P1_202746_649030	NW_004516087.1	Scaffold674	649030	CC	TT	1940464548
SNP_P1_202747_649289	NW_004516087.1	Scaffold674	649289	AA	GG	1940464549
SNP_P1_202748_651571	NW_004516087.1	Scaffold674	651571	TT	GG	1940464550

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202749_653357	NW_004516087.1	Scaffold674	653357	GG	AA	1940464551
SNP_P1_202750_657580	NW_004516087.1	Scaffold674	657580	AA	GG	1940464552
SNP_P1_202751_657869	NW_004516087.1	Scaffold674	657869	TT	GG	1940464553
SNP_P1_202752_659212	NW_004516087.1	Scaffold674	659212	AA	GG	1940464554
SNP_P1_202753_660128	NW_004516087.1	Scaffold674	660128	GG	TT	1940464555
SNP_P1_202754_661186	NW_004516087.1	Scaffold674	661186	AA	GG	1940464556
SNP_P1_202755_664173	NW_004516087.1	Scaffold674	664173	TT	AA	1940464557
SNP_P1_202756_664271	NW_004516087.1	Scaffold674	664271	TT	CC	1940464558
SNP_P1_202757_664574	NW_004516087.1	Scaffold674	664574	AA	GG	1940464559
SNP_P1_202758_665772	NW_004516087.1	Scaffold674	665772	CC	TT	1940464560
SNP_P1_202759_668184	NW_004516087.1	Scaffold674	668184	TT	CC	1940464561
SNP_P1_202760_668370	NW_004516087.1	Scaffold674	668370	TT	CC	1940464562
SNP_P1_202761_668475	NW_004516087.1	Scaffold674	668475	AA	GG	1940464563
SNP_P1_202762_672865	NW_004516087.1	Scaffold674	672865	CC	AA	1940464564
SNP_P1_202763_681503	NW_004516087.1	Scaffold674	681503	CC	TT	1940464565
SNP_P1_202764_682290	NW_004516087.1	Scaffold674	682290	CC	AA	1940464566
SNP_P1_202765_689039	NW_004516087.1	Scaffold674	689039	AA	CC	1940464567
SNP_P1_202766_690327	NW_004516087.1	Scaffold674	690327	CC	TT	1940464568
SNP_P1_202767_690541	NW_004516087.1	Scaffold674	690541	AA	GG	1940464569
SNP_P1_202768_691502	NW_004516087.1	Scaffold674	691502	AA	CC	1940464570
SNP_P1_202769_692161	NW_004516087.1	Scaffold674	692161	CC	TT	1940464571
SNP_P1_202770_693083	NW_004516087.1	Scaffold674	693083	GG	CC	1940464572
SNP_P1_202771_696982	NW_004516087.1	Scaffold674	696982	TT	CC	1940464573
SNP_P1_202772_697347	NW_004516087.1	Scaffold674	697347	TT	CC	1940464574
SNP_P1_202773_699795	NW_004516087.1	Scaffold674	699795	TT	AA	1940464575
SNP_P1_202774_701760	NW_004516087.1	Scaffold674	701760	TT	GG	1940464576
SNP_P1_202775_702031	NW_004516087.1	Scaffold674	702031	TT	CC	1940464577
SNP_P1_202776_703028	NW_004516087.1	Scaffold674	703028	CC	TT	1940464578
SNP_P1_202777_703029	NW_004516087.1	Scaffold674	703029	CC	TT	1940464579
SNP_P1_202778_703056	NW_004516087.1	Scaffold674	703056	GG	TT	1940464580
SNP_P1_202779_703062	NW_004516087.1	Scaffold674	703062	GG	CC	1940464581
SNP_P1_202780_703449	NW_004516087.1	Scaffold674	703449	AA	GG	1940464582
SNP_P1_202781_703556	NW_004516087.1	Scaffold674	703556	AA	GG	1940464583
SNP_P1_202782_703720	NW_004516087.1	Scaffold674	703720	CC	TT	1940464584
SNP_P1_202783_704835	NW_004516087.1	Scaffold674	704835	TT	CC	1940464585
SNP_P1_202785_705930	NW_004516087.1	Scaffold674	705930	AA	GG	1940464586
SNP_P1_202786_708541	NW_004516087.1	Scaffold674	708541	CC	AA	1940464587
SNP_P1_202788_711894	NW_004516087.1	Scaffold674	711894	GG	AA	1940464588
SNP_P1_202789_712080	NW_004516087.1	Scaffold674	712080	AA	TT	1940464589
SNP_P1_202790_712105	NW_004516087.1	Scaffold674	712105	AA	GG	1940464590
SNP_P1_202791_712815	NW_004516087.1	Scaffold674	712815	GG	AA	1940464591
SNP_P1_202792_718777	NW_004516087.1	Scaffold674	718777	CC	TT	1940464592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202793_720293	NW_004516087.1	Scaffold674	720293	AA	GG	1940464593
SNP_P1_202794_720874	NW_004516087.1	Scaffold674	720874	TT	CC	1940464594
SNP_P1_202796_723432	NW_004516087.1	Scaffold674	723432	AA	CC	1940464595
SNP_P1_202797_724175	NW_004516087.1	Scaffold674	724175	CC	AA	1940464596
SNP_P1_202798_725038	NW_004516087.1	Scaffold674	725038	AA	GG	1940464597
SNP_P1_202799_727398	NW_004516087.1	Scaffold674	727398	TT	AA	1940464598
SNP_P1_202800_728260	NW_004516087.1	Scaffold674	728260	CC	AA	1940464599
SNP_P1_202801_728536	NW_004516087.1	Scaffold674	728536	GG	AA	1940464600
SNP_P1_202802_730613	NW_004516087.1	Scaffold674	730613	CC	TT	1940464601
SNP_P1_202803_732746	NW_004516087.1	Scaffold674	732746	CC	TT	1940464602
SNP_P1_202804_732784	NW_004516087.1	Scaffold674	732784	GG	AA	1940464603
SNP_P1_202805_734179	NW_004516087.1	Scaffold674	734179	AA	GG	1940464604
SNP_P1_202806_734878	NW_004516087.1	Scaffold674	734878	GG	AA	1940464605
SNP_P1_202807_738165	NW_004516087.1	Scaffold674	738165	GG	AA	1940464606
SNP_P1_202808_738543	NW_004516087.1	Scaffold674	738543	GG	AA	1940464607
SNP_P1_202809_741558	NW_004516087.1	Scaffold674	741558	TT	CC	1940464608
SNP_P1_202810_741672	NW_004516087.1	Scaffold674	741672	CC	TT	1940464609
SNP_P1_202811_742138	NW_004516087.1	Scaffold674	742138	AA	GG	1940464610
SNP_P1_202813_745843	NW_004516087.1	Scaffold674	745843	CC	TT	1940464611
SNP_P1_202814_747180	NW_004516087.1	Scaffold674	747180	GG	AA	1940464612
SNP_P1_202815_749414	NW_004516087.1	Scaffold674	749414	CC	TT	1940464613
SNP_P1_202817_757967	NW_004516087.1	Scaffold674	757967	AA	TT	1940464614
SNP_P1_202818_757982	NW_004516087.1	Scaffold674	757982	CC	AA	1940464615
SNP_P1_202819_758033	NW_004516087.1	Scaffold674	758033	CC	TT	1940464616
SNP_P1_202820_758291	NW_004516087.1	Scaffold674	758291	AA	GG	1940464617
SNP_P1_202821_758461	NW_004516087.1	Scaffold674	758461	GG	AA	1940464618
SNP_P1_202822_758769	NW_004516087.1	Scaffold674	758769	GG	AA	1940464619
SNP_P1_202823_761111	NW_004516087.1	Scaffold674	761111	CC	TT	1940464620
SNP_P1_202824_761199	NW_004516087.1	Scaffold674	761199	CC	AA	1940464621
SNP_P1_202825_761242	NW_004516087.1	Scaffold674	761242	TT	CC	1940464622
SNP_P1_202826_762266	NW_004516087.1	Scaffold674	762266	CC	TT	1940464623
SNP_P1_202827_762329	NW_004516087.1	Scaffold674	762329	GG	AA	1940464624
SNP_P1_202828_763195	NW_004516087.1	Scaffold674	763195	AA	TT	1940464625
SNP_P1_202829_763196	NW_004516087.1	Scaffold674	763196	AA	CC	1940464626
SNP_P1_202830_763753	NW_004516087.1	Scaffold674	763753	TT	CC	1940464627
SNP_P1_202831_765739	NW_004516087.1	Scaffold674	765739	TT	CC	1940464628
SNP_P1_202832_767903	NW_004516087.1	Scaffold674	767903	CC	AA	1940464629
SNP_P1_202833_771555	NW_004516087.1	Scaffold674	771555	CC	GG	1940464630
SNP_P1_202834_772086	NW_004516087.1	Scaffold674	772086	AA	CC	1940464631
SNP_P1_202835_772119	NW_004516087.1	Scaffold674	772119	GG	AA	1940464632
SNP_P1_202837_773998	NW_004516087.1	Scaffold674	773998	AA	GG	1940464633
SNP_P1_202838_775273	NW_004516087.1	Scaffold674	775273	AA	TT	1940464634

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202839_776033	NW_004516087.1	Scaffold674	776033	AA	GG	1940464635
SNP_P1_202840_778265	NW_004516087.1	Scaffold674	778265	AA	CC	1940464636
SNP_P1_202841_779673	NW_004516087.1	Scaffold674	779673	AA	CC	1940464637
SNP_P1_202843_780786	NW_004516087.1	Scaffold674	780786	CC	TT	1940464638
SNP_P1_202844_781435	NW_004516087.1	Scaffold674	781435	TT	CC	1940464639
SNP_P1_202845_781761	NW_004516087.1	Scaffold674	781761	GG	AA	1940464640
SNP_P1_202846_783802	NW_004516087.1	Scaffold674	783802	TT	CC	1940464641
SNP_P1_202848_788512	NW_004516087.1	Scaffold674	788512	GG	AA	1940464642
SNP_P1_202849_788513	NW_004516087.1	Scaffold674	788513	CC	TT	1940464643
SNP_P1_202850_788777	NW_004516087.1	Scaffold674	788777	GG	AA	1940464644
SNP_P1_202851_789921	NW_004516087.1	Scaffold674	789921	TT	CC	1940464645
SNP_P1_202852_790102	NW_004516087.1	Scaffold674	790102	TT	CC	1940464646
SNP_P1_202853_793392	NW_004516087.1	Scaffold674	793392	TT	AA	1940464647
SNP_P1_202854_795974	NW_004516087.1	Scaffold674	795974	TT	CC	1940464648
SNP_P1_202855_800789	NW_004516087.1	Scaffold674	800789	TT	CC	1940464649
SNP_P1_202856_801260	NW_004516087.1	Scaffold674	801260	GG	AA	1940464650
SNP_P1_202857_801275	NW_004516087.1	Scaffold674	801275	GG	AA	1940464651
SNP_P1_202858_802308	NW_004516087.1	Scaffold674	802308	CC	AA	1940464652
SNP_P1_202859_814270	NW_004516087.1	Scaffold674	814270	TT	GG	1940464653
SNP_P1_202861_823217	NW_004516087.1	Scaffold674	823217	GG	CC	1940464654
SNP_P1_202862_823333	NW_004516087.1	Scaffold674	823333	CC	TT	1940464655
SNP_P1_202863_827159	NW_004516087.1	Scaffold674	827159	AA	GG	1940464656
SNP_P1_202864_829548	NW_004516087.1	Scaffold674	829548	CC	AA	1940464657
SNP_P1_202865_829590	NW_004516087.1	Scaffold674	829590	AA	GG	1940464658
SNP_P1_202866_829605	NW_004516087.1	Scaffold674	829605	GG	AA	1940464659
SNP_P1_202867_829637	NW_004516087.1	Scaffold674	829637	AA	GG	1940464660
SNP_P1_202868_829641	NW_004516087.1	Scaffold674	829641	AA	GG	1940464661
SNP_P1_202869_829679	NW_004516087.1	Scaffold674	829679	GG	TT	1940464662
SNP_P1_202870_829682	NW_004516087.1	Scaffold674	829682	TT	GG	1940464663
SNP_P1_202871_829757	NW_004516087.1	Scaffold674	829757	TT	CC	1940464664
SNP_P1_202872_829758	NW_004516087.1	Scaffold674	829758	TT	AA	1940464665
SNP_P1_202873_829909	NW_004516087.1	Scaffold674	829909	TT	CC	1940464666
SNP_P1_202874_829918	NW_004516087.1	Scaffold674	829918	CC	TT	1940464667
SNP_P1_202875_829971	NW_004516087.1	Scaffold674	829971	AA	GG	1940464668
SNP_P1_202876_830023	NW_004516087.1	Scaffold674	830023	TT	CC	1940464669
SNP_P1_202877_830025	NW_004516087.1	Scaffold674	830025	CC	AA	1940464670
SNP_P1_202878_830136	NW_004516087.1	Scaffold674	830136	TT	CC	1940464671
SNP_P1_202879_830856	NW_004516087.1	Scaffold674	830856	GG	TT	1940464672
SNP_P1_202880_833627	NW_004516087.1	Scaffold674	833627	GG	AA	1940464673
SNP_P1_202882_842070	NW_004516087.1	Scaffold674	842070	CC	TT	1940464674
SNP_P1_202883_842338	NW_004516087.1	Scaffold674	842338	CC	TT	1940464675
SNP_P1_202884_842370	NW_004516087.1	Scaffold674	842370	CC	TT	1940464676

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202885_842387	NW_004516087.1	Scaffold674	842387	TT	GG	1940464677
SNP_P1_202886_842389	NW_004516087.1	Scaffold674	842389	GG	AA	1940464678
SNP_P1_202887_842392	NW_004516087.1	Scaffold674	842392	TT	AA	1940464679
SNP_P1_202888_842418	NW_004516087.1	Scaffold674	842418	CC	TT	1940464680
SNP_P1_202889_842845	NW_004516087.1	Scaffold674	842845	CC	GG	1940464681
SNP_P1_202890_842934	NW_004516087.1	Scaffold674	842934	TT	GG	1940464682
SNP_P1_202892_843199	NW_004516087.1	Scaffold674	843199	TT	GG	1940464683
SNP_P1_202893_843201	NW_004516087.1	Scaffold674	843201	TT	CC	1940464684
SNP_P1_202894_843280	NW_004516087.1	Scaffold674	843280	TT	CC	1940464685
SNP_P1_202895_843281	NW_004516087.1	Scaffold674	843281	AA	TT	1940464686
SNP_P1_202896_843306	NW_004516087.1	Scaffold674	843306	AA	GG	1940464687
SNP_P1_202898_843651	NW_004516087.1	Scaffold674	843651	CC	TT	1940464688
SNP_P1_202899_843892	NW_004516087.1	Scaffold674	843892	CC	TT	1940464689
SNP_P1_202900_848229	NW_004516087.1	Scaffold674	848229	CC	TT	1940464690
SNP_P1_202901_851867	NW_004516087.1	Scaffold674	851867	GG	AA	1940464691
SNP_P1_202903_856002	NW_004516087.1	Scaffold674	856002	GG	AA	1940464692
SNP_P1_202904_863245	NW_004516087.1	Scaffold674	863245	TT	AA	1940464693
SNP_P1_202906_869828	NW_004516087.1	Scaffold674	869828	CC	AA	1940464694
SNP_P1_202907_870990	NW_004516087.1	Scaffold674	870990	CC	AA	1940464695
SNP_P1_202908_871358	NW_004516087.1	Scaffold674	871358	GG	TT	1940464696
SNP_P1_202909_875559	NW_004516087.1	Scaffold674	875559	TT	CC	1940464697
SNP_P1_202910_878154	NW_004516087.1	Scaffold674	878154	AA	GG	1940464698
SNP_P1_202911_884391	NW_004516087.1	Scaffold674	884391	AA	TT	1940464699
SNP_P1_202912_884685	NW_004516087.1	Scaffold674	884685	TT	AA	1940464700
SNP_P1_202913_885736	NW_004516087.1	Scaffold674	885736	CC	TT	1940464701
SNP_P1_202914_887678	NW_004516087.1	Scaffold674	887678	CC	TT	1940464702
SNP_P1_202915_887726	NW_004516087.1	Scaffold674	887726	TT	CC	1940464703
SNP_P1_202916_888054	NW_004516087.1	Scaffold674	888054	AA	TT	1940464704
SNP_P1_202917_888562	NW_004516087.1	Scaffold674	888562	GG	CC	1940464705
SNP_P1_202918_890243	NW_004516087.1	Scaffold674	890243	GG	AA	1940464706
SNP_P1_202919_890244	NW_004516087.1	Scaffold674	890244	TT	AA	1940464707
SNP_P1_202920_890613	NW_004516087.1	Scaffold674	890613	CC	TT	1940464708
SNP_P1_202921_890650	NW_004516087.1	Scaffold674	890650	TT	CC	1940464709
SNP_P1_202922_890824	NW_004516087.1	Scaffold674	890824	GG	AA	1940464711
SNP_P1_202923_890833	NW_004516087.1	Scaffold674	890833	AA	GG	1940464712
SNP_P1_202924_891166	NW_004516087.1	Scaffold674	891166	AA	TT	1940464713
SNP_P1_202925_891327	NW_004516087.1	Scaffold674	891327	AA	GG	1940464714
SNP_P1_202926_891400	NW_004516087.1	Scaffold674	891400	CC	TT	1940464715
SNP_P1_202927_891415	NW_004516087.1	Scaffold674	891415	AA	TT	1940464716
SNP_P1_202928_891483	NW_004516087.1	Scaffold674	891483	AA	TT	1940464717
SNP_P1_202929_891508	NW_004516087.1	Scaffold674	891508	GG	AA	1940464718
SNP_P1_202930_891585	NW_004516087.1	Scaffold674	891585	AA	TT	1940464719

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202931_891926	NW_004516087.1	Scaffold674	891926	GG	TT	1940464720
SNP_P1_202932_897456	NW_004516087.1	Scaffold674	897456	TT	AA	1940464721
SNP_P1_202933_897769	NW_004516087.1	Scaffold674	897769	TT	AA	1940464722
SNP_P1_202934_898231	NW_004516087.1	Scaffold674	898231	GG	CC	1940464723
SNP_P1_202935_898331	NW_004516087.1	Scaffold674	898331	CC	TT	1940464724
SNP_P1_202936_898578	NW_004516087.1	Scaffold674	898578	CC	TT	1940464725
SNP_P1_202937_899339	NW_004516087.1	Scaffold674	899339	CC	AA	1940464726
SNP_P1_202938_900130	NW_004516087.1	Scaffold674	900130	GG	AA	1940464727
SNP_P1_202939_900151	NW_004516087.1	Scaffold674	900151	TT	CC	1940464728
SNP_P1_202940_301	NW_004516088.1	Scaffold675	301	TT	CC	1940464729
SNP_P1_202941_407	NW_004516088.1	Scaffold675	407	GG	AA	1940464730
SNP_P1_202942_526	NW_004516088.1	Scaffold675	526	GG	TT	1940464731
SNP_P1_202943_674	NW_004516088.1	Scaffold675	674	AA	GG	1940464732
SNP_P1_202944_15215	NW_004516088.1	Scaffold675	15215	TT	CC	1940464733
SNP_P1_202945_15263	NW_004516088.1	Scaffold675	15263	CC	TT	1940464734
SNP_P1_202946_15297	NW_004516088.1	Scaffold675	15297	AA	TT	1940464735
SNP_P1_202947_15365	NW_004516088.1	Scaffold675	15365	CC	TT	1940464736
SNP_P1_202948_15366	NW_004516088.1	Scaffold675	15366	AA	GG	1940464737
SNP_P1_202949_15451	NW_004516088.1	Scaffold675	15451	GG	TT	1940464738
SNP_P1_202951_15708	NW_004516088.1	Scaffold675	15708	TT	CC	1940464739
SNP_P1_202952_15717	NW_004516088.1	Scaffold675	15717	TT	AA	1940464740
SNP_P1_202953_15722	NW_004516088.1	Scaffold675	15722	GG	CC	1940464741
SNP_P1_202954_16072	NW_004516088.1	Scaffold675	16072	GG	AA	1940464742
SNP_P1_202955_16078	NW_004516088.1	Scaffold675	16078	CC	GG	1940464743
SNP_P1_202956_20111	NW_004516088.1	Scaffold675	20111	GG	TT	1940464744
SNP_P1_202957_20284	NW_004516088.1	Scaffold675	20284	AA	GG	1940464745
SNP_P1_202958_20342	NW_004516088.1	Scaffold675	20342	TT	GG	1940464746
SNP_P1_202959_20343	NW_004516088.1	Scaffold675	20343	AA	GG	1940464747
SNP_P1_202960_31951	NW_004516088.1	Scaffold675	31951	AA	CC	1940464748
SNP_P1_202962_55272	NW_004516088.1	Scaffold675	55272	CC	TT	1940464749
SNP_P1_202963_58533	NW_004516088.1	Scaffold675	58533	GG	AA	1940464750
SNP_P1_202964_59778	NW_004516088.1	Scaffold675	59778	CC	GG	1940464751
SNP_P1_202965_60650	NW_004516088.1	Scaffold675	60650	AA	CC	1940464752
SNP_P1_202967_60940	NW_004516088.1	Scaffold675	60940	CC	TT	1940464753
SNP_P1_202968_60951	NW_004516088.1	Scaffold675	60951	TT	CC	1940464754
SNP_P1_202969_75369	NW_004516088.1	Scaffold675	75369	AA	GG	1940464755
SNP_P1_202970_81615	NW_004516088.1	Scaffold675	81615	CC	TT	1940464756
SNP_P1_202973_82138	NW_004516088.1	Scaffold675	82138	CC	TT	1940464757
SNP_P1_202974_82270	NW_004516088.1	Scaffold675	82270	AA	CC	1940464758
SNP_P1_202976_82603	NW_004516088.1	Scaffold675	82603	TT	GG	1940464759
SNP_P1_202977_89675	NW_004516088.1	Scaffold675	89675	TT	GG	1940464760
SNP_P1_202978_89697	NW_004516088.1	Scaffold675	89697	TT	GG	1940464761

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_202979_90024	NW_004516088.1	Scaffold675	90024	TT	GG	1940464762
SNP_P1_202980_90025	NW_004516088.1	Scaffold675	90025	CC	TT	1940464763
SNP_P1_202981_90038	NW_004516088.1	Scaffold675	90038	AA	TT	1940464764
SNP_P1_202982_90075	NW_004516088.1	Scaffold675	90075	CC	TT	1940464765
SNP_P1_202983_99629	NW_004516088.1	Scaffold675	99629	AA	GG	1940464766
SNP_P1_202984_101640	NW_004516088.1	Scaffold675	101640	TT	AA	1940464767
SNP_P1_202985_104207	NW_004516088.1	Scaffold675	104207	AA	GG	1940464768
SNP_P1_202987_126133	NW_004516088.1	Scaffold675	126133	CC	TT	1940464769
SNP_P1_202988_129143	NW_004516088.1	Scaffold675	129143	TT	CC	1940464770
SNP_P1_202989_133477	NW_004516088.1	Scaffold675	133477	GG	TT	1940464771
SNP_P1_202990_148180	NW_004516088.1	Scaffold675	148180	CC	TT	1940464772
SNP_P1_202991_149371	NW_004516088.1	Scaffold675	149371	TT	GG	1940464773
SNP_P1_202992_14121	NW_004516089.1	Scaffold676	14121	TT	CC	1940464774
SNP_P1_202993_14208	NW_004516089.1	Scaffold676	14208	CC	TT	1940464775
SNP_P1_202994_14252	NW_004516089.1	Scaffold676	14252	CC	TT	1940464776
SNP_P1_202995_14401	NW_004516089.1	Scaffold676	14401	AA	GG	1940464777
SNP_P1_202996_14505	NW_004516089.1	Scaffold676	14505	GG	AA	1940464778
SNP_P1_202997_14525	NW_004516089.1	Scaffold676	14525	AA	GG	1940464779
SNP_P1_202998_14686	NW_004516089.1	Scaffold676	14686	TT	AA	1940464780
SNP_P1_203000_14770	NW_004516089.1	Scaffold676	14770	GG	AA	1940464781
SNP_P1_203001_14772	NW_004516089.1	Scaffold676	14772	TT	AA	1940464782
SNP_P1_203002_14809	NW_004516089.1	Scaffold676	14809	CC	TT	1940464783
SNP_P1_203003_15816	NW_004516089.1	Scaffold676	15816	AA	CC	1940464784
SNP_P1_203004_19218	NW_004516089.1	Scaffold676	19218	CC	TT	1940464785
SNP_P1_203005_19428	NW_004516089.1	Scaffold676	19428	GG	AA	1940464786
SNP_P1_203006_19447	NW_004516089.1	Scaffold676	19447	AA	TT	1940464787
SNP_P1_203007_19478	NW_004516089.1	Scaffold676	19478	TT	AA	1940464788
SNP_P1_203008_19479	NW_004516089.1	Scaffold676	19479	CC	TT	1940464789
SNP_P1_203009_19502	NW_004516089.1	Scaffold676	19502	TT	GG	1940464790
SNP_P1_203010_19518	NW_004516089.1	Scaffold676	19518	TT	AA	1940464791
SNP_P1_203011_19952	NW_004516089.1	Scaffold676	19952	AA	GG	1940464792
SNP_P1_203012_19977	NW_004516089.1	Scaffold676	19977	TT	CC	1940464793
SNP_P1_203013_19995	NW_004516089.1	Scaffold676	19995	GG	CC	1940464794
SNP_P1_203014_20142	NW_004516089.1	Scaffold676	20142	CC	AA	1940464795
SNP_P1_203015_20153	NW_004516089.1	Scaffold676	20153	CC	TT	1940464796
SNP_P1_203016_20175	NW_004516089.1	Scaffold676	20175	TT	AA	1940464797
SNP_P1_203017_20389	NW_004516089.1	Scaffold676	20389	AA	TT	1940464798
SNP_P1_203018_20451	NW_004516089.1	Scaffold676	20451	TT	AA	1940464799
SNP_P1_203019_22527	NW_004516089.1	Scaffold676	22527	TT	AA	1940464800
SNP_P1_203020_22734	NW_004516089.1	Scaffold676	22734	AA	GG	1940464801
SNP_P1_203021_23961	NW_004516089.1	Scaffold676	23961	TT	CC	1940464802
SNP_P1_203023_26837	NW_004516089.1	Scaffold676	26837	AA	GG	1940464803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203024_27043	NW_004516089.1	Scaffold676	27043	AA	GG	1940464804
SNP_P1_203025_27053	NW_004516089.1	Scaffold676	27053	CC	AA	1940464805
SNP_P1_203026_27378	NW_004516089.1	Scaffold676	27378	TT	AA	1940464806
SNP_P1_203027_49475	NW_004516089.1	Scaffold676	49475	GG	CC	1940464807
SNP_P1_203028_49578	NW_004516089.1	Scaffold676	49578	AA	TT	1940464808
SNP_P1_203029_49796	NW_004516089.1	Scaffold676	49796	CC	TT	1940464809
SNP_P1_203030_50115	NW_004516089.1	Scaffold676	50115	GG	TT	1940464810
SNP_P1_203031_50143	NW_004516089.1	Scaffold676	50143	AA	CC	1940464811
SNP_P1_203032_50159	NW_004516089.1	Scaffold676	50159	GG	CC	1940464812
SNP_P1_203033_50254	NW_004516089.1	Scaffold676	50254	GG	AA	1940464813
SNP_P1_203034_50395	NW_004516089.1	Scaffold676	50395	GG	AA	1940464814
SNP_P1_203035_50430	NW_004516089.1	Scaffold676	50430	AA	CC	1940464815
SNP_P1_203036_50434	NW_004516089.1	Scaffold676	50434	TT	CC	1940464816
SNP_P1_203037_50457	NW_004516089.1	Scaffold676	50457	CC	GG	1940464817
SNP_P1_203038_50579	NW_004516089.1	Scaffold676	50579	TT	CC	1940464818
SNP_P1_203039_50601	NW_004516089.1	Scaffold676	50601	TT	GG	1940464819
SNP_P1_203040_50621	NW_004516089.1	Scaffold676	50621	GG	CC	1940464820
SNP_P1_203041_50752	NW_004516089.1	Scaffold676	50752	CC	GG	1940464821
SNP_P1_203042_51045	NW_004516089.1	Scaffold676	51045	AA	GG	1940464822
SNP_P1_203043_51093	NW_004516089.1	Scaffold676	51093	AA	TT	1940464823
SNP_P1_203044_51840	NW_004516089.1	Scaffold676	51840	AA	GG	1940464824
SNP_P1_203045_51843	NW_004516089.1	Scaffold676	51843	CC	AA	1940464825
SNP_P1_203046_51930	NW_004516089.1	Scaffold676	51930	CC	TT	1940464826
SNP_P1_203047_52323	NW_004516089.1	Scaffold676	52323	CC	TT	1940464827
SNP_P1_203048_52337	NW_004516089.1	Scaffold676	52337	CC	AA	1940464828
SNP_P1_203049_52339	NW_004516089.1	Scaffold676	52339	AA	GG	1940464829
SNP_P1_203050_52763	NW_004516089.1	Scaffold676	52763	TT	AA	1940464830
SNP_P1_203051_52772	NW_004516089.1	Scaffold676	52772	AA	CC	1940464831
SNP_P1_203052_53102	NW_004516089.1	Scaffold676	53102	GG	AA	1940464832
SNP_P1_203053_53105	NW_004516089.1	Scaffold676	53105	CC	TT	1940464833
SNP_P1_203054_53158	NW_004516089.1	Scaffold676	53158	AA	TT	1940464834
SNP_P1_203055_54821	NW_004516089.1	Scaffold676	54821	AA	GG	1940464835
SNP_P1_203056_55404	NW_004516089.1	Scaffold676	55404	CC	AA	1940464836
SNP_P1_203057_55408	NW_004516089.1	Scaffold676	55408	AA	TT	1940464837
SNP_P1_203058_55618	NW_004516089.1	Scaffold676	55618	AA	TT	1940464838
SNP_P1_203059_55774	NW_004516089.1	Scaffold676	55774	TT	GG	1940464839
SNP_P1_203060_55867	NW_004516089.1	Scaffold676	55867	AA	GG	1940464840
SNP_P1_203061_55900	NW_004516089.1	Scaffold676	55900	AA	CC	1940464841
SNP_P1_203062_56144	NW_004516089.1	Scaffold676	56144	CC	TT	1940464842
SNP_P1_203063_56173	NW_004516089.1	Scaffold676	56173	GG	TT	1940464843
SNP_P1_203064_56315	NW_004516089.1	Scaffold676	56315	GG	AA	1940464844
SNP_P1_203065_56323	NW_004516089.1	Scaffold676	56323	AA	GG	1940464845

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203066_56448	NW_004516089.1	Scaffold676	56448	GG	CC	1940464846
SNP_P1_203067_56554	NW_004516089.1	Scaffold676	56554	TT	AA	1940464847
SNP_P1_203068_56611	NW_004516089.1	Scaffold676	56611	TT	GG	1940464848
SNP_P1_203069_56613	NW_004516089.1	Scaffold676	56613	GG	TT	1940464849
SNP_P1_203070_56637	NW_004516089.1	Scaffold676	56637	TT	GG	1940464850
SNP_P1_203071_56696	NW_004516089.1	Scaffold676	56696	GG	AA	1940464851
SNP_P1_203072_56702	NW_004516089.1	Scaffold676	56702	TT	CC	1940464852
SNP_P1_203073_56754	NW_004516089.1	Scaffold676	56754	AA	GG	1940464853
SNP_P1_203074_56857	NW_004516089.1	Scaffold676	56857	AA	TT	1940464854
SNP_P1_203075_56899	NW_004516089.1	Scaffold676	56899	CC	AA	1940464855
SNP_P1_203076_56949	NW_004516089.1	Scaffold676	56949	GG	CC	1940464856
SNP_P1_203077_57064	NW_004516089.1	Scaffold676	57064	GG	AA	1940464857
SNP_P1_203078_57091	NW_004516089.1	Scaffold676	57091	CC	TT	1940464858
SNP_P1_203079_57345	NW_004516089.1	Scaffold676	57345	TT	CC	1940464859
SNP_P1_203080_57606	NW_004516089.1	Scaffold676	57606	GG	AA	1940464860
SNP_P1_203082_57750	NW_004516089.1	Scaffold676	57750	TT	CC	1940464861
SNP_P1_203084_64099	NW_004516089.1	Scaffold676	64099	TT	GG	1940464862
SNP_P1_203085_64160	NW_004516089.1	Scaffold676	64160	TT	CC	1940464863
SNP_P1_203086_64254	NW_004516089.1	Scaffold676	64254	CC	TT	1940464864
SNP_P1_203087_64258	NW_004516089.1	Scaffold676	64258	AA	GG	1940464865
SNP_P1_203088_64302	NW_004516089.1	Scaffold676	64302	GG	AA	1940464866
SNP_P1_203089_64475	NW_004516089.1	Scaffold676	64475	CC	AA	1940464867
SNP_P1_203090_64481	NW_004516089.1	Scaffold676	64481	CC	TT	1940464868
SNP_P1_203091_66323	NW_004516089.1	Scaffold676	66323	CC	AA	1940464869
SNP_P1_203092_66444	NW_004516089.1	Scaffold676	66444	AA	GG	1940464870
SNP_P1_203093_66574	NW_004516089.1	Scaffold676	66574	GG	CC	1940464872
SNP_P1_203094_67170	NW_004516089.1	Scaffold676	67170	AA	GG	1940464873
SNP_P1_203095_67206	NW_004516089.1	Scaffold676	67206	CC	AA	1940464874
SNP_P1_203096_67213	NW_004516089.1	Scaffold676	67213	GG	AA	1940464875
SNP_P1_203097_67317	NW_004516089.1	Scaffold676	67317	AA	TT	1940464876
SNP_P1_203098_67453	NW_004516089.1	Scaffold676	67453	TT	CC	1940464877
SNP_P1_203099_67504	NW_004516089.1	Scaffold676	67504	TT	CC	1940464878
SNP_P1_203100_68512	NW_004516089.1	Scaffold676	68512	AA	TT	1940464879
SNP_P1_203101_68638	NW_004516089.1	Scaffold676	68638	AA	TT	1940464880
SNP_P1_203102_68745	NW_004516089.1	Scaffold676	68745	CC	TT	1940464881
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SNP_P1_203104_68802	NW_004516089.1	Scaffold676	68802	AA	GG	1940464883
SNP_P1_203105_69211	NW_004516089.1	Scaffold676	69211	GG	AA	1940464884
SNP_P1_203106_69679	NW_004516089.1	Scaffold676	69679	AA	GG	1940464885
SNP_P1_203107_69711	NW_004516089.1	Scaffold676	69711	AA	GG	1940464886
SNP_P1_203108_69744	NW_004516089.1	Scaffold676	69744	CC	GG	1940464887
SNP_P1_203109_69936	NW_004516089.1	Scaffold676	69936	CC	TT	1940464888

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203110_71064	NW_004516089.1	Scaffold676	71064	GG	AA	1940464889
SNP_P1_203111_71273	NW_004516089.1	Scaffold676	71273	AA	GG	1940464890
SNP_P1_203112_71303	NW_004516089.1	Scaffold676	71303	GG	AA	1940464891
SNP_P1_203113_72171	NW_004516089.1	Scaffold676	72171	CC	TT	1940464892
SNP_P1_203115_72369	NW_004516089.1	Scaffold676	72369	AA	GG	1940464893
SNP_P1_203116_72626	NW_004516089.1	Scaffold676	72626	CC	TT	1940464894
SNP_P1_203117_72761	NW_004516089.1	Scaffold676	72761	TT	CC	1940464895
SNP_P1_203118_72770	NW_004516089.1	Scaffold676	72770	CC	TT	1940464896
SNP_P1_203119_72771	NW_004516089.1	Scaffold676	72771	AA	GG	1940464897
SNP_P1_203120_72781	NW_004516089.1	Scaffold676	72781	AA	TT	1940464898
SNP_P1_203121_72801	NW_004516089.1	Scaffold676	72801	GG	AA	1940464899
SNP_P1_203122_72876	NW_004516089.1	Scaffold676	72876	TT	GG	1940464900
SNP_P1_203123_72891	NW_004516089.1	Scaffold676	72891	TT	GG	1940464901
SNP_P1_203124_73067	NW_004516089.1	Scaffold676	73067	AA	GG	1940464902
SNP_P1_203125_73187	NW_004516089.1	Scaffold676	73187	CC	TT	1940464903
SNP_P1_203126_73621	NW_004516089.1	Scaffold676	73621	TT	CC	1940464904
SNP_P1_203127_73663	NW_004516089.1	Scaffold676	73663	CC	AA	1940464905
SNP_P1_203128_73668	NW_004516089.1	Scaffold676	73668	TT	CC	1940464906
SNP_P1_203129_73695	NW_004516089.1	Scaffold676	73695	GG	AA	1940464907
SNP_P1_203130_73763	NW_004516089.1	Scaffold676	73763	TT	CC	1940464908
SNP_P1_203131_73796	NW_004516089.1	Scaffold676	73796	GG	CC	1940464909
SNP_P1_203132_73808	NW_004516089.1	Scaffold676	73808	GG	CC	1940464910
SNP_P1_203133_73830	NW_004516089.1	Scaffold676	73830	GG	AA	1940464911
SNP_P1_203134_73926	NW_004516089.1	Scaffold676	73926	TT	CC	1940464912
SNP_P1_203135_74099	NW_004516089.1	Scaffold676	74099	CC	GG	1940464913
SNP_P1_203136_74148	NW_004516089.1	Scaffold676	74148	TT	AA	1940464914
SNP_P1_203137_74241	NW_004516089.1	Scaffold676	74241	GG	AA	1940464915
SNP_P1_203138_74337	NW_004516089.1	Scaffold676	74337	GG	TT	1940464916
SNP_P1_203139_74480	NW_004516089.1	Scaffold676	74480	TT	CC	1940464917
SNP_P1_203140_74512	NW_004516089.1	Scaffold676	74512	TT	CC	1940464918
SNP_P1_203141_74550	NW_004516089.1	Scaffold676	74550	AA	GG	1940464919
SNP_P1_203142_74568	NW_004516089.1	Scaffold676	74568	GG	AA	1940464920
SNP_P1_203143_74591	NW_004516089.1	Scaffold676	74591	CC	AA	1940464921
SNP_P1_203144_74826	NW_004516089.1	Scaffold676	74826	AA	GG	1940464922
SNP_P1_203145_77614	NW_004516089.1	Scaffold676	77614	GG	CC	1940464923
SNP_P1_203146_77642	NW_004516089.1	Scaffold676	77642	GG	AA	1940464924
SNP_P1_203147_77733	NW_004516089.1	Scaffold676	77733	CC	AA	1940464925
SNP_P1_203148_77776	NW_004516089.1	Scaffold676	77776	CC	GG	1940464926
SNP_P1_203149_78006	NW_004516089.1	Scaffold676	78006	CC	AA	1940464927
SNP_P1_203150_78015	NW_004516089.1	Scaffold676	78015	TT	CC	1940464928
SNP_P1_203151_78061	NW_004516089.1	Scaffold676	78061	GG	AA	1940464929
SNP_P1_203152_78078	NW_004516089.1	Scaffold676	78078	AA	GG	1940464930

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203153_79617	NW_004516089.1	Scaffold676	79617	GG	CC	1940464931
SNP_P1_203154_79622	NW_004516089.1	Scaffold676	79622	AA	GG	1940464932
SNP_P1_203155_79916	NW_004516089.1	Scaffold676	79916	CC	TT	1940464933
SNP_P1_203156_81129	NW_004516089.1	Scaffold676	81129	AA	GG	1940464934
SNP_P1_203157_81182	NW_004516089.1	Scaffold676	81182	AA	GG	1940464935
SNP_P1_203158_81258	NW_004516089.1	Scaffold676	81258	AA	CC	1940464936
SNP_P1_203159_83689	NW_004516089.1	Scaffold676	83689	GG	AA	1940464937
SNP_P1_203160_83942	NW_004516089.1	Scaffold676	83942	GG	CC	1940464938
SNP_P1_203161_83992	NW_004516089.1	Scaffold676	83992	AA	GG	1940464939
SNP_P1_203162_84058	NW_004516089.1	Scaffold676	84058	CC	TT	1940464940
SNP_P1_203164_84091	NW_004516089.1	Scaffold676	84091	GG	CC	1940464941
SNP_P1_203165_84140	NW_004516089.1	Scaffold676	84140	TT	CC	1940464942
SNP_P1_203166_84311	NW_004516089.1	Scaffold676	84311	GG	AA	1940464943
SNP_P1_203167_84313	NW_004516089.1	Scaffold676	84313	CC	AA	1940464944
SNP_P1_203168_84373	NW_004516089.1	Scaffold676	84373	AA	GG	1940464945
SNP_P1_203169_84427	NW_004516089.1	Scaffold676	84427	GG	CC	1940464946
SNP_P1_203170_84428	NW_004516089.1	Scaffold676	84428	TT	AA	1940464947
SNP_P1_203171_84495	NW_004516089.1	Scaffold676	84495	GG	AA	1940464948
SNP_P1_203173_84582	NW_004516089.1	Scaffold676	84582	AA	CC	1940464949
SNP_P1_203174_85299	NW_004516089.1	Scaffold676	85299	CC	AA	1940464950
SNP_P1_203175_85310	NW_004516089.1	Scaffold676	85310	TT	CC	1940464951
SNP_P1_203176_85319	NW_004516089.1	Scaffold676	85319	GG	AA	1940464952
SNP_P1_203177_85380	NW_004516089.1	Scaffold676	85380	AA	CC	1940464953
SNP_P1_203178_85407	NW_004516089.1	Scaffold676	85407	CC	TT	1940464954
SNP_P1_203179_85470	NW_004516089.1	Scaffold676	85470	TT	GG	1940464955
SNP_P1_203180_85506	NW_004516089.1	Scaffold676	85506	GG	AA	1940464956
SNP_P1_203181_85527	NW_004516089.1	Scaffold676	85527	CC	TT	1940464957
SNP_P1_203182_85562	NW_004516089.1	Scaffold676	85562	CC	TT	1940464958
SNP_P1_203183_85594	NW_004516089.1	Scaffold676	85594	AA	TT	1940464959
SNP_P1_203184_85641	NW_004516089.1	Scaffold676	85641	TT	CC	1940464960
SNP_P1_203185_85646	NW_004516089.1	Scaffold676	85646	AA	TT	1940464961
SNP_P1_203186_85748	NW_004516089.1	Scaffold676	85748	TT	CC	1940464962
SNP_P1_203187_86880	NW_004516089.1	Scaffold676	86880	AA	GG	1940464963
SNP_P1_203188_86971	NW_004516089.1	Scaffold676	86971	AA	CC	1940464964
SNP_P1_203189_87280	NW_004516089.1	Scaffold676	87280	AA	CC	1940464965
SNP_P1_203190_87351	NW_004516089.1	Scaffold676	87351	CC	TT	1940464966
SNP_P1_203191_87355	NW_004516089.1	Scaffold676	87355	AA	TT	1940464967
SNP_P1_203192_87360	NW_004516089.1	Scaffold676	87360	AA	GG	1940464968
SNP_P1_203193_87390	NW_004516089.1	Scaffold676	87390	AA	GG	1940464969
SNP_P1_203194_87412	NW_004516089.1	Scaffold676	87412	AA	TT	1940464970
SNP_P1_203195_87698	NW_004516089.1	Scaffold676	87698	AA	GG	1940464971
SNP_P1_203196_89389	NW_004516089.1	Scaffold676	89389	GG	AA	1940464972

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203197_89392	NW_004516089.1	Scaffold676	89392	GG	AA	1940464973
SNP_P1_203198_89615	NW_004516089.1	Scaffold676	89615	AA	CC	1940464974
SNP_P1_203199_89794	NW_004516089.1	Scaffold676	89794	AA	GG	1940464975
SNP_P1_203200_89804	NW_004516089.1	Scaffold676	89804	CC	AA	1940464976
SNP_P1_203201_90124	NW_004516089.1	Scaffold676	90124	GG	AA	1940464977
SNP_P1_203202_90132	NW_004516089.1	Scaffold676	90132	AA	CC	1940464978
SNP_P1_203203_90195	NW_004516089.1	Scaffold676	90195	AA	TT	1940464979
SNP_P1_203204_90196	NW_004516089.1	Scaffold676	90196	TT	AA	1940464980
SNP_P1_203205_90214	NW_004516089.1	Scaffold676	90214	AA	GG	1940464981
SNP_P1_203206_90531	NW_004516089.1	Scaffold676	90531	AA	GG	1940464982
SNP_P1_203207_90832	NW_004516089.1	Scaffold676	90832	AA	TT	1940464983
SNP_P1_203208_91268	NW_004516089.1	Scaffold676	91268	AA	GG	1940464984
SNP_P1_203209_91456	NW_004516089.1	Scaffold676	91456	CC	AA	1940464985
SNP_P1_203210_91493	NW_004516089.1	Scaffold676	91493	AA	GG	1940464986
SNP_P1_203211_91499	NW_004516089.1	Scaffold676	91499	AA	TT	1940464987
SNP_P1_203212_91536	NW_004516089.1	Scaffold676	91536	TT	GG	1940464988
SNP_P1_203213_91788	NW_004516089.1	Scaffold676	91788	AA	TT	1940464989
SNP_P1_203214_91794	NW_004516089.1	Scaffold676	91794	AA	TT	1940464990
SNP_P1_203215_91801	NW_004516089.1	Scaffold676	91801	AA	CC	1940464991
SNP_P1_203216_91805	NW_004516089.1	Scaffold676	91805	CC	AA	1940464992
SNP_P1_203217_91822	NW_004516089.1	Scaffold676	91822	TT	AA	1940464993
SNP_P1_203218_92389	NW_004516089.1	Scaffold676	92389	CC	AA	1940464994
SNP_P1_203219_92640	NW_004516089.1	Scaffold676	92640	AA	GG	1940464995
SNP_P1_203220_92698	NW_004516089.1	Scaffold676	92698	TT	GG	1940464996
SNP_P1_203221_92979	NW_004516089.1	Scaffold676	92979	CC	GG	1940464997
SNP_P1_203222_93125	NW_004516089.1	Scaffold676	93125	TT	AA	1940464998
SNP_P1_203223_93151	NW_004516089.1	Scaffold676	93151	AA	TT	1940464999
SNP_P1_203224_93154	NW_004516089.1	Scaffold676	93154	CC	TT	1940465000
SNP_P1_203225_93160	NW_004516089.1	Scaffold676	93160	CC	TT	1940465001
SNP_P1_203226_93490	NW_004516089.1	Scaffold676	93490	GG	CC	1940465002
SNP_P1_203227_93520	NW_004516089.1	Scaffold676	93520	GG	AA	1940465003
SNP_P1_203228_93619	NW_004516089.1	Scaffold676	93619	AA	GG	1940465004
SNP_P1_203229_93769	NW_004516089.1	Scaffold676	93769	GG	AA	1940465005
SNP_P1_203230_93785	NW_004516089.1	Scaffold676	93785	AA	GG	1940465006
SNP_P1_203231_93795	NW_004516089.1	Scaffold676	93795	CC	TT	1940465007
SNP_P1_203232_93812	NW_004516089.1	Scaffold676	93812	GG	TT	1940465008
SNP_P1_203233_93856	NW_004516089.1	Scaffold676	93856	GG	AA	1940465009
SNP_P1_203234_94066	NW_004516089.1	Scaffold676	94066	AA	GG	1940465010
SNP_P1_203235_94067	NW_004516089.1	Scaffold676	94067	AA	TT	1940465011
SNP_P1_203236_94185	NW_004516089.1	Scaffold676	94185	AA	TT	1940465012
SNP_P1_203237_94197	NW_004516089.1	Scaffold676	94197	TT	GG	1940465013
SNP_P1_203238_99669	NW_004516089.1	Scaffold676	99669	CC	TT	1940465014

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203239_101027	NW_004516089.1	Scaffold676	101027	CC	TT	1940465015
SNP_P1_203240_101053	NW_004516089.1	Scaffold676	101053	TT	CC	1940465016
SNP_P1_203241_101212	NW_004516089.1	Scaffold676	101212	CC	TT	1940465017
SNP_P1_203242_101249	NW_004516089.1	Scaffold676	101249	TT	CC	1940465018
SNP_P1_203243_101282	NW_004516089.1	Scaffold676	101282	TT	CC	1940465019
SNP_P1_203244_101364	NW_004516089.1	Scaffold676	101364	AA	GG	1940465020
SNP_P1_203245_101393	NW_004516089.1	Scaffold676	101393	GG	AA	1940465021
SNP_P1_203246_101485	NW_004516089.1	Scaffold676	101485	GG	AA	1940465022
SNP_P1_203247_101511	NW_004516089.1	Scaffold676	101511	GG	AA	1940465023
SNP_P1_203248_101530	NW_004516089.1	Scaffold676	101530	TT	CC	1940465024
SNP_P1_203249_101549	NW_004516089.1	Scaffold676	101549	CC	AA	1940465025
SNP_P1_203250_101599	NW_004516089.1	Scaffold676	101599	CC	TT	1940465026
SNP_P1_203251_101601	NW_004516089.1	Scaffold676	101601	AA	GG	1940465027
SNP_P1_203252_101607	NW_004516089.1	Scaffold676	101607	CC	GG	1940465029
SNP_P1_203253_102332	NW_004516089.1	Scaffold676	102332	AA	GG	1940465030
SNP_P1_203254_102360	NW_004516089.1	Scaffold676	102360	AA	CC	1940465031
SNP_P1_203255_102370	NW_004516089.1	Scaffold676	102370	TT	GG	1940465032
SNP_P1_203256_102382	NW_004516089.1	Scaffold676	102382	TT	GG	1940465033
SNP_P1_203257_102470	NW_004516089.1	Scaffold676	102470	TT	CC	1940465034
SNP_P1_203258_102483	NW_004516089.1	Scaffold676	102483	GG	AA	1940465035
SNP_P1_203259_102558	NW_004516089.1	Scaffold676	102558	GG	CC	1940465036
SNP_P1_203260_103273	NW_004516089.1	Scaffold676	103273	AA	CC	1940465037
SNP_P1_203261_103564	NW_004516089.1	Scaffold676	103564	GG	AA	1940465038
SNP_P1_203262_103792	NW_004516089.1	Scaffold676	103792	GG	TT	1940465039
SNP_P1_203263_103911	NW_004516089.1	Scaffold676	103911	CC	AA	1940465040
SNP_P1_203264_103932	NW_004516089.1	Scaffold676	103932	CC	TT	1940465041
SNP_P1_203265_103963	NW_004516089.1	Scaffold676	103963	AA	TT	1940465042
SNP_P1_203266_104086	NW_004516089.1	Scaffold676	104086	TT	GG	1940465043
SNP_P1_203268_104180	NW_004516089.1	Scaffold676	104180	TT	AA	1940465044
SNP_P1_203269_104185	NW_004516089.1	Scaffold676	104185	AA	GG	1940465045
SNP_P1_203270_104264	NW_004516089.1	Scaffold676	104264	GG	CC	1940465046
SNP_P1_203271_104286	NW_004516089.1	Scaffold676	104286	TT	CC	1940465047
SNP_P1_203272_104291	NW_004516089.1	Scaffold676	104291	AA	TT	1940465048
SNP_P1_203273_104293	NW_004516089.1	Scaffold676	104293	TT	AA	1940465049
SNP_P1_203274_104366	NW_004516089.1	Scaffold676	104366	TT	GG	1940465050
SNP_P1_203275_104374	NW_004516089.1	Scaffold676	104374	CC	TT	1940465051
SNP_P1_203276_104548	NW_004516089.1	Scaffold676	104548	TT	CC	1940465052
SNP_P1_203278_104878	NW_004516089.1	Scaffold676	104878	AA	TT	1940465053
SNP_P1_203279_105336	NW_004516089.1	Scaffold676	105336	TT	CC	1940465054
SNP_P1_203280_105370	NW_004516089.1	Scaffold676	105370	TT	CC	1940465055
SNP_P1_203281_105376	NW_004516089.1	Scaffold676	105376	TT	CC	1940465056
SNP_P1_203282_105403	NW_004516089.1	Scaffold676	105403	TT	GG	1940465057

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203283_105758	NW_004516089.1	Scaffold676	105758	TT	CC	1940465058
SNP_P1_203284_109201	NW_004516089.1	Scaffold676	109201	CC	GG	1940465059
SNP_P1_203285_109359	NW_004516089.1	Scaffold676	109359	GG	TT	1940465060
SNP_P1_203286_109421	NW_004516089.1	Scaffold676	109421	TT	GG	1940465061
SNP_P1_203287_109424	NW_004516089.1	Scaffold676	109424	TT	GG	1940465062
SNP_P1_203288_109449	NW_004516089.1	Scaffold676	109449	TT	AA	1940465063
SNP_P1_203289_109594	NW_004516089.1	Scaffold676	109594	AA	TT	1940465064
SNP_P1_203290_109761	NW_004516089.1	Scaffold676	109761	TT	GG	1940465065
SNP_P1_203291_110043	NW_004516089.1	Scaffold676	110043	TT	AA	1940465066
SNP_P1_203292_110065	NW_004516089.1	Scaffold676	110065	AA	CC	1940465067
SNP_P1_203293_110153	NW_004516089.1	Scaffold676	110153	GG	TT	1940465068
SNP_P1_203294_110221	NW_004516089.1	Scaffold676	110221	AA	CC	1940465069
SNP_P1_203295_110224	NW_004516089.1	Scaffold676	110224	TT	CC	1940465070
SNP_P1_203296_110322	NW_004516089.1	Scaffold676	110322	CC	AA	1940465071
SNP_P1_203297_110581	NW_004516089.1	Scaffold676	110581	AA	GG	1940465072
SNP_P1_203298_110607	NW_004516089.1	Scaffold676	110607	GG	TT	1940465073
SNP_P1_203299_112662	NW_004516089.1	Scaffold676	112662	TT	CC	1940465074
SNP_P1_203300_112703	NW_004516089.1	Scaffold676	112703	CC	AA	1940465075
SNP_P1_203301_112961	NW_004516089.1	Scaffold676	112961	GG	TT	1940465076
SNP_P1_203302_113042	NW_004516089.1	Scaffold676	113042	AA	CC	1940465077
SNP_P1_203303_113043	NW_004516089.1	Scaffold676	113043	TT	CC	1940465078
SNP_P1_203304_113834	NW_004516089.1	Scaffold676	113834	AA	GG	1940465079
SNP_P1_203305_119921	NW_004516089.1	Scaffold676	119921	TT	GG	1940465080
SNP_P1_203306_120004	NW_004516089.1	Scaffold676	120004	AA	GG	1940465081
SNP_P1_203307_120219	NW_004516089.1	Scaffold676	120219	CC	AA	1940465082
SNP_P1_203308_120258	NW_004516089.1	Scaffold676	120258	CC	GG	1940465083
SNP_P1_203309_120285	NW_004516089.1	Scaffold676	120285	CC	GG	1940465084
SNP_P1_203310_121261	NW_004516089.1	Scaffold676	121261	AA	TT	1940465085
SNP_P1_203311_121292	NW_004516089.1	Scaffold676	121292	TT	AA	1940465086
SNP_P1_203312_124081	NW_004516089.1	Scaffold676	124081	TT	AA	1940465087
SNP_P1_203313_126304	NW_004516089.1	Scaffold676	126304	TT	CC	1940465088
SNP_P1_203314_128651	NW_004516089.1	Scaffold676	128651	CC	GG	1940465089
SNP_P1_203315_131182	NW_004516089.1	Scaffold676	131182	TT	GG	1940465090
SNP_P1_203316_134645	NW_004516089.1	Scaffold676	134645	GG	TT	1940465091
SNP_P1_203317_136176	NW_004516089.1	Scaffold676	136176	AA	GG	1940465092
SNP_P1_203318_136182	NW_004516089.1	Scaffold676	136182	AA	CC	1940465093
SNP_P1_203319_136784	NW_004516089.1	Scaffold676	136784	TT	AA	1940465094
SNP_P1_203320_137008	NW_004516089.1	Scaffold676	137008	AA	GG	1940465095
SNP_P1_203321_137048	NW_004516089.1	Scaffold676	137048	AA	TT	1940465096
SNP_P1_203322_137119	NW_004516089.1	Scaffold676	137119	TT	CC	1940465097
SNP_P1_203323_137227	NW_004516089.1	Scaffold676	137227	TT	CC	1940465098
SNP_P1_203324_137324	NW_004516089.1	Scaffold676	137324	AA	GG	1940465099

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203325_137329	NW_004516089.1	Scaffold676	137329	AA	TT	1940465100
SNP_P1_203326_137330	NW_004516089.1	Scaffold676	137330	CC	AA	1940465101
SNP_P1_203327_137416	NW_004516089.1	Scaffold676	137416	AA	GG	1940465102
SNP_P1_203328_137440	NW_004516089.1	Scaffold676	137440	AA	TT	1940465103
SNP_P1_203329_137486	NW_004516089.1	Scaffold676	137486	CC	TT	1940465104
SNP_P1_203330_137503	NW_004516089.1	Scaffold676	137503	TT	AA	1940465105
SNP_P1_203331_137504	NW_004516089.1	Scaffold676	137504	GG	AA	1940465106
SNP_P1_203332_138557	NW_004516089.1	Scaffold676	138557	AA	GG	1940465107
SNP_P1_203333_138668	NW_004516089.1	Scaffold676	138668	CC	GG	1940465108
SNP_P1_203334_146215	NW_004516089.1	Scaffold676	146215	TT	CC	1940465109
SNP_P1_203335_146258	NW_004516089.1	Scaffold676	146258	GG	AA	1940465110
SNP_P1_203336_146259	NW_004516089.1	Scaffold676	146259	TT	GG	1940465111
SNP_P1_203337_146291	NW_004516089.1	Scaffold676	146291	GG	AA	1940465112
SNP_P1_203338_146663	NW_004516089.1	Scaffold676	146663	TT	GG	1940465113
SNP_P1_203339_146676	NW_004516089.1	Scaffold676	146676	TT	CC	1940465114
SNP_P1_203340_146679	NW_004516089.1	Scaffold676	146679	GG	AA	1940465115
SNP_P1_203341_146682	NW_004516089.1	Scaffold676	146682	CC	TT	1940465116
SNP_P1_203342_146686	NW_004516089.1	Scaffold676	146686	GG	AA	1940465117
SNP_P1_203343_148916	NW_004516089.1	Scaffold676	148916	CC	TT	1940465118
SNP_P1_203344_149044	NW_004516089.1	Scaffold676	149044	CC	TT	1940465119
SNP_P1_203345_149107	NW_004516089.1	Scaffold676	149107	AA	GG	1940465120
SNP_P1_203347_149226	NW_004516089.1	Scaffold676	149226	TT	GG	1940465121
SNP_P1_203348_149236	NW_004516089.1	Scaffold676	149236	CC	AA	1940465122
SNP_P1_203349_149267	NW_004516089.1	Scaffold676	149267	AA	TT	1940465123
SNP_P1_203350_149367	NW_004516089.1	Scaffold676	149367	GG	AA	1940465124
SNP_P1_203351_149434	NW_004516089.1	Scaffold676	149434	AA	GG	1940465125
SNP_P1_203352_149468	NW_004516089.1	Scaffold676	149468	TT	AA	1940465126
SNP_P1_203353_150082	NW_004516089.1	Scaffold676	150082	CC	TT	1940465127
SNP_P1_203354_150115	NW_004516089.1	Scaffold676	150115	AA	TT	1940465128
SNP_P1_203355_151856	NW_004516089.1	Scaffold676	151856	AA	GG	1940465129
SNP_P1_203356_151885	NW_004516089.1	Scaffold676	151885	CC	AA	1940465130
SNP_P1_203357_151948	NW_004516089.1	Scaffold676	151948	GG	AA	1940465131
SNP_P1_203358_152014	NW_004516089.1	Scaffold676	152014	TT	AA	1940465132
SNP_P1_203359_152074	NW_004516089.1	Scaffold676	152074	TT	CC	1940465133
SNP_P1_203360_157606	NW_004516089.1	Scaffold676	157606	TT	CC	1940465134
SNP_P1_203361_157610	NW_004516089.1	Scaffold676	157610	CC	AA	1940465135
SNP_P1_203362_157969	NW_004516089.1	Scaffold676	157969	AA	CC	1940465136
SNP_P1_203363_158137	NW_004516089.1	Scaffold676	158137	TT	AA	1940465137
SNP_P1_203364_158418	NW_004516089.1	Scaffold676	158418	TT	CC	1940465138
SNP_P1_203365_158435	NW_004516089.1	Scaffold676	158435	GG	CC	1940465139
SNP_P1_203366_158689	NW_004516089.1	Scaffold676	158689	TT	CC	1940465140
SNP_P1_203367_161921	NW_004516089.1	Scaffold676	161921	CC	TT	1940465141

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203368_161942	NW_004516089.1	Scaffold676	161942	TT	CC	1940465142
SNP_P1_203369_161954	NW_004516089.1	Scaffold676	161954	TT	AA	1940465143
SNP_P1_203370_162084	NW_004516089.1	Scaffold676	162084	CC	AA	1940465144
SNP_P1_203371_162257	NW_004516089.1	Scaffold676	162257	TT	CC	1940465145
SNP_P1_203372_1424	NW_004516090.1	Scaffold677	1424	AA	GG	1940465146
SNP_P1_203373_2146	NW_004516090.1	Scaffold677	2146	TT	GG	1940465147
SNP_P1_203374_2151	NW_004516090.1	Scaffold677	2151	AA	GG	1940465148
SNP_P1_203375_3235	NW_004516090.1	Scaffold677	3235	AA	CC	1940465150
SNP_P1_203376_347	NW_004516091.1	Scaffold678	347	TT	GG	1940465151
SNP_P1_203377_355	NW_004516091.1	Scaffold678	355	CC	GG	1940465152
SNP_P1_203378_383	NW_004516091.1	Scaffold678	383	CC	TT	1940465153
SNP_P1_203379_742	NW_004516091.1	Scaffold678	742	AA	GG	1940465154
SNP_P1_203380_1284	NW_004516091.1	Scaffold678	1284	GG	AA	1940465155
SNP_P1_203381_2233	NW_004516091.1	Scaffold678	2233	TT	CC	1940465156
SNP_P1_203382_2826	NW_004516091.1	Scaffold678	2826	CC	TT	1940465157
SNP_P1_203383_3216	NW_004516091.1	Scaffold678	3216	CC	TT	1940465158
SNP_P1_203384_5007	NW_004516091.1	Scaffold678	5007	GG	CC	1940465159
SNP_P1_203385_5826	NW_004516091.1	Scaffold678	5826	CC	TT	1940465160
SNP_P1_203386_8682	NW_004516091.1	Scaffold678	8682	GG	CC	1940465161
SNP_P1_203387_9734	NW_004516091.1	Scaffold678	9734	TT	CC	1940465162
SNP_P1_203388_11667	NW_004516091.1	Scaffold678	11667	CC	GG	1940465163
SNP_P1_203389_12414	NW_004516091.1	Scaffold678	12414	TT	AA	1940465164
SNP_P1_203390_12424	NW_004516091.1	Scaffold678	12424	GG	AA	1940465165
SNP_P1_203391_12451	NW_004516091.1	Scaffold678	12451	AA	TT	1940465166
SNP_P1_203392_12476	NW_004516091.1	Scaffold678	12476	TT	AA	1940465167
SNP_P1_203393_12680	NW_004516091.1	Scaffold678	12680	GG	AA	1940465168
SNP_P1_203394_12738	NW_004516091.1	Scaffold678	12738	AA	CC	1940465169
SNP_P1_203395_12768	NW_004516091.1	Scaffold678	12768	AA	CC	1940465170
SNP_P1_203397_12842	NW_004516091.1	Scaffold678	12842	TT	CC	1940465171
SNP_P1_203399_15238	NW_004516091.1	Scaffold678	15238	CC	TT	1940465172
SNP_P1_203401_18336	NW_004516091.1	Scaffold678	18336	AA	TT	1940465173
SNP_P1_203402_19388	NW_004516091.1	Scaffold678	19388	TT	CC	1940465174
SNP_P1_203403_19459	NW_004516091.1	Scaffold678	19459	CC	TT	1940465175
SNP_P1_203404_21920	NW_004516091.1	Scaffold678	21920	AA	TT	1940465176
SNP_P1_203405_22544	NW_004516091.1	Scaffold678	22544	TT	AA	1940465177
SNP_P1_203406_25919	NW_004516091.1	Scaffold678	25919	AA	GG	1940465178
SNP_P1_203407_25927	NW_004516091.1	Scaffold678	25927	TT	GG	1940465179
SNP_P1_203408_25937	NW_004516091.1	Scaffold678	25937	AA	GG	1940465180
SNP_P1_203409_28765	NW_004516091.1	Scaffold678	28765	AA	GG	1940465181
SNP_P1_203410_30050	NW_004516091.1	Scaffold678	30050	AA	GG	1940465182
SNP_P1_203411_30358	NW_004516091.1	Scaffold678	30358	AA	GG	1940465183
SNP_P1_203412_30739	NW_004516091.1	Scaffold678	30739	AA	CC	1940465184

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SNP_P1_203413_32586	NW_004516091.1	Scaffold678	32586	TT	CC	1940465185
SNP_P1_203414_32628	NW_004516091.1	Scaffold678	32628	TT	GG	1940465186
SNP_P1_203415_34329	NW_004516091.1	Scaffold678	34329	AA	GG	1940465187
SNP_P1_203416_39172	NW_004516091.1	Scaffold678	39172	TT	CC	1940465188
SNP_P1_203417_39277	NW_004516091.1	Scaffold678	39277	AA	GG	1940465189
SNP_P1_203418_39285	NW_004516091.1	Scaffold678	39285	CC	TT	1940465190
SNP_P1_203419_39297	NW_004516091.1	Scaffold678	39297	AA	TT	1940465191
SNP_P1_203420_39415	NW_004516091.1	Scaffold678	39415	GG	AA	1940465192
SNP_P1_203421_39507	NW_004516091.1	Scaffold678	39507	AA	GG	1940465193
SNP_P1_203422_39552	NW_004516091.1	Scaffold678	39552	GG	AA	1940465194
SNP_P1_203423_39565	NW_004516091.1	Scaffold678	39565	CC	TT	1940465195
SNP_P1_203424_39571	NW_004516091.1	Scaffold678	39571	GG	AA	1940465196
SNP_P1_203425_39572	NW_004516091.1	Scaffold678	39572	CC	GG	1940465197
SNP_P1_203426_39595	NW_004516091.1	Scaffold678	39595	CC	AA	1940465198
SNP_P1_203427_39612	NW_004516091.1	Scaffold678	39612	CC	AA	1940465199
SNP_P1_203428_39627	NW_004516091.1	Scaffold678	39627	TT	GG	1940465200
SNP_P1_203429_39632	NW_004516091.1	Scaffold678	39632	AA	TT	1940465201
SNP_P1_203430_39643	NW_004516091.1	Scaffold678	39643	GG	TT	1940465202
SNP_P1_203431_39707	NW_004516091.1	Scaffold678	39707	GG	CC	1940465203
SNP_P1_203432_39710	NW_004516091.1	Scaffold678	39710	TT	AA	1940465204
SNP_P1_203433_39719	NW_004516091.1	Scaffold678	39719	CC	AA	1940465205
SNP_P1_203434_39729	NW_004516091.1	Scaffold678	39729	AA	GG	1940465206
SNP_P1_203436_39843	NW_004516091.1	Scaffold678	39843	GG	AA	1940465207
SNP_P1_203437_39860	NW_004516091.1	Scaffold678	39860	CC	TT	1940465208
SNP_P1_203438_39933	NW_004516091.1	Scaffold678	39933	CC	TT	1940465209
SNP_P1_203439_40846	NW_004516091.1	Scaffold678	40846	GG	TT	1940465210
SNP_P1_203441_40897	NW_004516091.1	Scaffold678	40897	TT	CC	1940465211
SNP_P1_203442_40977	NW_004516091.1	Scaffold678	40977	GG	TT	1940465212
SNP_P1_203443_40993	NW_004516091.1	Scaffold678	40993	TT	CC	1940465213
SNP_P1_203445_41024	NW_004516091.1	Scaffold678	41024	AA	CC	1940465214
SNP_P1_203446_41059	NW_004516091.1	Scaffold678	41059	AA	TT	1940465215
SNP_P1_203448_41124	NW_004516091.1	Scaffold678	41124	AA	TT	1940465216
SNP_P1_203449_41129	NW_004516091.1	Scaffold678	41129	AA	GG	1940465217
SNP_P1_203450_41215	NW_004516091.1	Scaffold678	41215	GG	CC	1940465218
SNP_P1_203451_41269	NW_004516091.1	Scaffold678	41269	AA	TT	1940465219
SNP_P1_203452_41321	NW_004516091.1	Scaffold678	41321	TT	GG	1940465220
SNP_P1_203453_41323	NW_004516091.1	Scaffold678	41323	GG	AA	1940465221
SNP_P1_203454_41361	NW_004516091.1	Scaffold678	41361	CC	AA	1940465222
SNP_P1_203456_41556	NW_004516091.1	Scaffold678	41556	AA	GG	1940465223
SNP_P1_203457_42186	NW_004516091.1	Scaffold678	42186	CC	TT	1940465224
SNP_P1_203458_42352	NW_004516091.1	Scaffold678	42352	GG	AA	1940465225
SNP_P1_203459_42356	NW_004516091.1	Scaffold678	42356	TT	AA	1940465226

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SNP_P1_203460_42370	NW_004516091.1	Scaffold678	42370	CC	AA	1940465227
SNP_P1_203462_42476	NW_004516091.1	Scaffold678	42476	AA	CC	1940465228
SNP_P1_203463_42533	NW_004516091.1	Scaffold678	42533	TT	CC	1940465229
SNP_P1_203465_42696	NW_004516091.1	Scaffold678	42696	GG	AA	1940465230
SNP_P1_203466_42704	NW_004516091.1	Scaffold678	42704	TT	AA	1940465231
SNP_P1_203467_43858	NW_004516091.1	Scaffold678	43858	GG	AA	1940465232
SNP_P1_203468_49378	NW_004516091.1	Scaffold678	49378	CC	TT	1940465233
SNP_P1_203469_51126	NW_004516091.1	Scaffold678	51126	GG	TT	1940465234
SNP_P1_203470_51206	NW_004516091.1	Scaffold678	51206	TT	GG	1940465235
SNP_P1_203471_52652	NW_004516091.1	Scaffold678	52652	TT	CC	1940465236
SNP_P1_203472_55889	NW_004516091.1	Scaffold678	55889	CC	TT	1940465237
SNP_P1_203473_55901	NW_004516091.1	Scaffold678	55901	CC	TT	1940465238
SNP_P1_203474_61264	NW_004516091.1	Scaffold678	61264	TT	CC	1940465239
SNP_P1_203475_68943	NW_004516091.1	Scaffold678	68943	CC	AA	1940465240
SNP_P1_203476_69701	NW_004516091.1	Scaffold678	69701	CC	AA	1940465241
SNP_P1_203477_69844	NW_004516091.1	Scaffold678	69844	AA	TT	1940465242
SNP_P1_203479_74019	NW_004516091.1	Scaffold678	74019	CC	TT	1940465243
SNP_P1_203480_74542	NW_004516091.1	Scaffold678	74542	AA	CC	1940465244
SNP_P1_203481_76628	NW_004516091.1	Scaffold678	76628	TT	CC	1940465245
SNP_P1_203482_76790	NW_004516091.1	Scaffold678	76790	AA	GG	1940465246
SNP_P1_203483_79791	NW_004516091.1	Scaffold678	79791	CC	AA	1940465247
SNP_P1_203485_81157	NW_004516091.1	Scaffold678	81157	GG	CC	1940465248
SNP_P1_203488_82431	NW_004516091.1	Scaffold678	82431	TT	GG	1940465249
SNP_P1_203489_85509	NW_004516091.1	Scaffold678	85509	AA	GG	1940465250
SNP_P1_203490_90462	NW_004516091.1	Scaffold678	90462	AA	GG	1940465251
SNP_P1_203491_93793	NW_004516091.1	Scaffold678	93793	GG	AA	1940465252
SNP_P1_203492_108274	NW_004516091.1	Scaffold678	108274	AA	GG	1940465253
SNP_P1_203493_110795	NW_004516091.1	Scaffold678	110795	GG	AA	1940465254
SNP_P1_203494_110805	NW_004516091.1	Scaffold678	110805	CC	GG	1940465255
SNP_P1_203495_110822	NW_004516091.1	Scaffold678	110822	AA	GG	1940465256
SNP_P1_203496_111192	NW_004516091.1	Scaffold678	111192	GG	TT	1940465257
SNP_P1_203497_111207	NW_004516091.1	Scaffold678	111207	TT	CC	1940465258
SNP_P1_203498_112452	NW_004516091.1	Scaffold678	112452	AA	GG	1940465259
SNP_P1_203499_112579	NW_004516091.1	Scaffold678	112579	AA	GG	1940465260
SNP_P1_203500_112617	NW_004516091.1	Scaffold678	112617	TT	AA	1940465261
SNP_P1_203501_112904	NW_004516091.1	Scaffold678	112904	AA	GG	1940465262
SNP_P1_203502_113486	NW_004516091.1	Scaffold678	113486	GG	AA	1940465263
SNP_P1_203503_115488	NW_004516091.1	Scaffold678	115488	CC	AA	1940465264
SNP_P1_203504_118119	NW_004516091.1	Scaffold678	118119	CC	TT	1940465265
SNP_P1_203505_119296	NW_004516091.1	Scaffold678	119296	AA	GG	1940465266
SNP_P1_203506_119849	NW_004516091.1	Scaffold678	119849	GG	AA	1940465267
SNP_P1_203507_120535	NW_004516091.1	Scaffold678	120535	CC	TT	1940465268

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203508_120536	NW_004516091.1	Scaffold678	120536	AA	GG	1940465269
SNP_P1_203509_120541	NW_004516091.1	Scaffold678	120541	TT	CC	1940465270
SNP_P1_203510_127572	NW_004516091.1	Scaffold678	127572	AA	GG	1940465271
SNP_P1_203511_127573	NW_004516091.1	Scaffold678	127573	GG	AA	1940465272
SNP_P1_203512_127588	NW_004516091.1	Scaffold678	127588	GG	AA	1940465273
SNP_P1_203513_127622	NW_004516091.1	Scaffold678	127622	AA	GG	1940465274
SNP_P1_203514_981	NW_004516093.1	Scaffold681	981	GG	TT	1940465275
SNP_P1_203515_4523	NW_004516093.1	Scaffold681	4523	AA	GG	1940465276
SNP_P1_203517_11017	NW_004516093.1	Scaffold681	11017	TT	CC	1940465277
SNP_P1_203518_11748	NW_004516093.1	Scaffold681	11748	TT	CC	1940465278
SNP_P1_203519_11789	NW_004516093.1	Scaffold681	11789	CC	TT	1940465279
SNP_P1_203520_11802	NW_004516093.1	Scaffold681	11802	CC	TT	1940465280
SNP_P1_203521_12132	NW_004516093.1	Scaffold681	12132	AA	TT	1940465281
SNP_P1_203522_12141	NW_004516093.1	Scaffold681	12141	TT	CC	1940465282
SNP_P1_203523_25454	NW_004516093.1	Scaffold681	25454	CC	TT	1940465283
SNP_P1_203524_42463	NW_004516093.1	Scaffold681	42463	CC	AA	1940465284
SNP_P1_203525_48207	NW_004516093.1	Scaffold681	48207	TT	GG	1940465285
SNP_P1_203526_48901	NW_004516093.1	Scaffold681	48901	AA	CC	1940465286
SNP_P1_203527_50098	NW_004516093.1	Scaffold681	50098	TT	CC	1940465287
SNP_P1_203528_51604	NW_004516093.1	Scaffold681	51604	AA	GG	1940465288
SNP_P1_203529_4886	NW_004516094.1	Scaffold682	4886	CC	TT	1940465289
SNP_P1_203530_9264	NW_004516094.1	Scaffold682	9264	TT	GG	1940465290
SNP_P1_203531_9405	NW_004516094.1	Scaffold682	9405	AA	CC	1940465291
SNP_P1_203532_9415	NW_004516094.1	Scaffold682	9415	TT	CC	1940465292
SNP_P1_203533_9781	NW_004516094.1	Scaffold682	9781	TT	GG	1940465293
SNP_P1_203534_11004	NW_004516094.1	Scaffold682	11004	GG	AA	1940465295
SNP_P1_203535_11014	NW_004516094.1	Scaffold682	11014	AA	GG	1940465296
SNP_P1_203536_11084	NW_004516094.1	Scaffold682	11084	TT	AA	1940465297
SNP_P1_203537_11167	NW_004516094.1	Scaffold682	11167	TT	AA	1940465298
SNP_P1_203538_11205	NW_004516094.1	Scaffold682	11205	CC	AA	1940465299
SNP_P1_203540_18614	NW_004516094.1	Scaffold682	18614	CC	TT	1940465300
SNP_P1_203541_23654	NW_004516094.1	Scaffold682	23654	CC	TT	1940465301
SNP_P1_203542_24268	NW_004516094.1	Scaffold682	24268	CC	TT	1940465302
SNP_P1_203544_46754	NW_004516094.1	Scaffold682	46754	AA	GG	1940465303
SNP_P1_203545_49228	NW_004516094.1	Scaffold682	49228	CC	TT	1940465304
SNP_P1_203546_60118	NW_004516094.1	Scaffold682	60118	CC	GG	1940465305
SNP_P1_203547_77940	NW_004516094.1	Scaffold682	77940	TT	CC	1940465306
SNP_P1_203548_77945	NW_004516094.1	Scaffold682	77945	TT	GG	1940465307
SNP_P1_203549_78414	NW_004516094.1	Scaffold682	78414	CC	TT	1940465308
SNP_P1_203550_78632	NW_004516094.1	Scaffold682	78632	GG	AA	1940465309
SNP_P1_203551_78682	NW_004516094.1	Scaffold682	78682	TT	AA	1940465310
SNP_P1_203552_82823	NW_004516094.1	Scaffold682	82823	CC	TT	1940465311

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203553_82838	NW_004516094.1	Scaffold682	82838	TT	GG	1940465312
SNP_P1_203554_82855	NW_004516094.1	Scaffold682	82855	AA	GG	1940465313
SNP_P1_203555_134459	NW_004516094.1	Scaffold682	134459	AA	TT	1940465314
SNP_P1_203556_134678	NW_004516094.1	Scaffold682	134678	GG	AA	1940465315
SNP_P1_203557_154560	NW_004516094.1	Scaffold682	154560	AA	TT	1940465316
SNP_P1_203558_160796	NW_004516094.1	Scaffold682	160796	AA	GG	1940465317
SNP_P1_203559_162490	NW_004516094.1	Scaffold682	162490	TT	CC	1940465318
SNP_P1_203560_165070	NW_004516094.1	Scaffold682	165070	GG	AA	1940465319
SNP_P1_203561_172763	NW_004516094.1	Scaffold682	172763	CC	TT	1940465320
SNP_P1_203562_176676	NW_004516094.1	Scaffold682	176676	CC	GG	1940465321
SNP_P1_203563_176730	NW_004516094.1	Scaffold682	176730	AA	TT	1940465322
SNP_P1_203564_177111	NW_004516094.1	Scaffold682	177111	TT	CC	1940465323
SNP_P1_203565_177831	NW_004516094.1	Scaffold682	177831	AA	CC	1940465324
SNP_P1_203566_182726	NW_004516094.1	Scaffold682	182726	TT	AA	1940465325
SNP_P1_203567_182729	NW_004516094.1	Scaffold682	182729	TT	GG	1940465326
SNP_P1_203568_183411	NW_004516094.1	Scaffold682	183411	GG	AA	1940465327
SNP_P1_203569_183789	NW_004516094.1	Scaffold682	183789	CC	AA	1940465328
SNP_P1_203570_192460	NW_004516094.1	Scaffold682	192460	TT	CC	1940465329
SNP_P1_203571_196562	NW_004516094.1	Scaffold682	196562	GG	AA	1940465330
SNP_P1_203572_196750	NW_004516094.1	Scaffold682	196750	TT	AA	1940465331
SNP_P1_203573_196752	NW_004516094.1	Scaffold682	196752	AA	TT	1940465332
SNP_P1_203575_199747	NW_004516094.1	Scaffold682	199747	GG	AA	1940465333
SNP_P1_203576_202305	NW_004516094.1	Scaffold682	202305	GG	TT	1940465334
SNP_P1_203577_208635	NW_004516094.1	Scaffold682	208635	TT	CC	1940465335
SNP_P1_203578_208669	NW_004516094.1	Scaffold682	208669	CC	AA	1940465336
SNP_P1_203579_208698	NW_004516094.1	Scaffold682	208698	AA	CC	1940465337
SNP_P1_203580_208717	NW_004516094.1	Scaffold682	208717	TT	CC	1940465338
SNP_P1_203581_208767	NW_004516094.1	Scaffold682	208767	CC	TT	1940465339
SNP_P1_203582_208974	NW_004516094.1	Scaffold682	208974	GG	AA	1940465340
SNP_P1_203583_219851	NW_004516094.1	Scaffold682	219851	TT	CC	1940465341
SNP_P1_203584_219859	NW_004516094.1	Scaffold682	219859	AA	GG	1940465342
SNP_P1_203585_220062	NW_004516094.1	Scaffold682	220062	TT	CC	1940465343
SNP_P1_203586_220070	NW_004516094.1	Scaffold682	220070	AA	GG	1940465344
SNP_P1_203587_220216	NW_004516094.1	Scaffold682	220216	CC	AA	1940465345
SNP_P1_203588_220250	NW_004516094.1	Scaffold682	220250	TT	CC	1940465346
SNP_P1_203589_220265	NW_004516094.1	Scaffold682	220265	TT	GG	1940465347
SNP_P1_203590_220270	NW_004516094.1	Scaffold682	220270	AA	GG	1940465348
SNP_P1_203591_220447	NW_004516094.1	Scaffold682	220447	AA	GG	1940465349
SNP_P1_203592_223500	NW_004516094.1	Scaffold682	223500	TT	AA	1940465350
SNP_P1_203593_223515	NW_004516094.1	Scaffold682	223515	AA	GG	1940465351
SNP_P1_203594_225030	NW_004516094.1	Scaffold682	225030	CC	AA	1940465352
SNP_P1_203595_225036	NW_004516094.1	Scaffold682	225036	GG	TT	1940465353

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203596_225121	NW_004516094.1	Scaffold682	225121	CC	TT	1940465354
SNP_P1_203597_225150	NW_004516094.1	Scaffold682	225150	TT	CC	1940465355
SNP_P1_203598_225669	NW_004516094.1	Scaffold682	225669	TT	AA	1940465356
SNP_P1_203599_228760	NW_004516094.1	Scaffold682	228760	AA	CC	1940465357
SNP_P1_203600_232219	NW_004516094.1	Scaffold682	232219	GG	TT	1940465358
SNP_P1_203602_232501	NW_004516094.1	Scaffold682	232501	TT	CC	1940465359
SNP_P1_203603_232512	NW_004516094.1	Scaffold682	232512	CC	AA	1940465360
SNP_P1_203604_232517	NW_004516094.1	Scaffold682	232517	CC	AA	1940465361
SNP_P1_203605_239099	NW_004516094.1	Scaffold682	239099	TT	CC	1940465362
SNP_P1_203606_239113	NW_004516094.1	Scaffold682	239113	GG	CC	1940465363
SNP_P1_203607_239256	NW_004516094.1	Scaffold682	239256	TT	CC	1940465364
SNP_P1_203609_239342	NW_004516094.1	Scaffold682	239342	TT	CC	1940465365
SNP_P1_203610_239547	NW_004516094.1	Scaffold682	239547	CC	TT	1940465366
SNP_P1_203611_239601	NW_004516094.1	Scaffold682	239601	GG	AA	1940465367
SNP_P1_203612_240628	NW_004516094.1	Scaffold682	240628	CC	TT	1940465368
SNP_P1_203613_240641	NW_004516094.1	Scaffold682	240641	CC	GG	1940465369
SNP_P1_203614_240843	NW_004516094.1	Scaffold682	240843	AA	GG	1940465370
SNP_P1_203615_240901	NW_004516094.1	Scaffold682	240901	AA	GG	1940465371
SNP_P1_203616_240932	NW_004516094.1	Scaffold682	240932	AA	GG	1940465372
SNP_P1_203617_240943	NW_004516094.1	Scaffold682	240943	GG	AA	1940465373
SNP_P1_203618_240952	NW_004516094.1	Scaffold682	240952	TT	CC	1940465374
SNP_P1_203619_240953	NW_004516094.1	Scaffold682	240953	AA	CC	1940465375
SNP_P1_203620_240973	NW_004516094.1	Scaffold682	240973	TT	AA	1940465376
SNP_P1_203621_240987	NW_004516094.1	Scaffold682	240987	TT	GG	1940465377
SNP_P1_203622_240997	NW_004516094.1	Scaffold682	240997	CC	AA	1940465378
SNP_P1_203623_241038	NW_004516094.1	Scaffold682	241038	CC	TT	1940465379
SNP_P1_203624_241058	NW_004516094.1	Scaffold682	241058	GG	AA	1940465380
SNP_P1_203625_241085	NW_004516094.1	Scaffold682	241085	AA	TT	1940465381
SNP_P1_203626_241117	NW_004516094.1	Scaffold682	241117	TT	GG	1940465382
SNP_P1_203627_252323	NW_004516094.1	Scaffold682	252323	CC	GG	1940465383
SNP_P1_203628_252335	NW_004516094.1	Scaffold682	252335	AA	TT	1940465384
SNP_P1_203629_252624	NW_004516094.1	Scaffold682	252624	GG	TT	1940465385
SNP_P1_203630_252676	NW_004516094.1	Scaffold682	252676	TT	GG	1940465386
SNP_P1_203632_260720	NW_004516094.1	Scaffold682	260720	GG	AA	1940465387
SNP_P1_203633_264895	NW_004516094.1	Scaffold682	264895	GG	CC	1940465388
SNP_P1_203634_270696	NW_004516094.1	Scaffold682	270696	TT	CC	1940465389
SNP_P1_203635_272380	NW_004516094.1	Scaffold682	272380	AA	GG	1940465390
SNP_P1_203636_284673	NW_004516094.1	Scaffold682	284673	AA	GG	1940465391
SNP_P1_203637_297159	NW_004516094.1	Scaffold682	297159	CC	TT	1940465392
SNP_P1_203638_300540	NW_004516094.1	Scaffold682	300540	TT	CC	1940465393
SNP_P1_203640_341655	NW_004516094.1	Scaffold682	341655	CC	GG	1940465394
SNP_P1_203641_343247	NW_004516094.1	Scaffold682	343247	CC	TT	1940465395

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_203643_347962	NW_004516094.1	Scaffold682	347962	AA	GG	1940465397
SNP_P1_203644_348962	NW_004516094.1	Scaffold682	348962	GG	CC	1940465398
SNP_P1_203645_348991	NW_004516094.1	Scaffold682	348991	AA	CC	1940465399
SNP_P1_203646_365422	NW_004516094.1	Scaffold682	365422	GG	AA	1940465400
SNP_P1_203647_369549	NW_004516094.1	Scaffold682	369549	GG	AA	1940465401
SNP_P1_203648_369799	NW_004516094.1	Scaffold682	369799	AA	TT	1940465402
SNP_P1_203649_369800	NW_004516094.1	Scaffold682	369800	CC	GG	1940465403
SNP_P1_203650_369808	NW_004516094.1	Scaffold682	369808	GG	AA	1940465404
SNP_P1_203651_369978	NW_004516094.1	Scaffold682	369978	CC	TT	1940465405
SNP_P1_203652_373682	NW_004516094.1	Scaffold682	373682	GG	TT	1940465406
SNP_P1_203654_374826	NW_004516094.1	Scaffold682	374826	TT	CC	1940465407
SNP_P1_203655_374913	NW_004516094.1	Scaffold682	374913	TT	CC	1940465408
SNP_P1_203656_374974	NW_004516094.1	Scaffold682	374974	CC	TT	1940465409
SNP_P1_203657_375045	NW_004516094.1	Scaffold682	375045	GG	AA	1940465410
SNP_P1_203658_375089	NW_004516094.1	Scaffold682	375089	AA	GG	1940465411
SNP_P1_203660_375206	NW_004516094.1	Scaffold682	375206	GG	AA	1940465412
SNP_P1_203661_375371	NW_004516094.1	Scaffold682	375371	GG	CC	1940465413
SNP_P1_203662_375398	NW_004516094.1	Scaffold682	375398	TT	AA	1940465414
SNP_P1_203663_387068	NW_004516094.1	Scaffold682	387068	GG	CC	1940465415
SNP_P1_203664_402807	NW_004516094.1	Scaffold682	402807	CC	TT	1940465416
SNP_P1_203665_426021	NW_004516094.1	Scaffold682	426021	TT	CC	1940465417
SNP_P1_203666_426564	NW_004516094.1	Scaffold682	426564	CC	TT	1940465418
SNP_P1_203667_430533	NW_004516094.1	Scaffold682	430533	AA	GG	1940465419
SNP_P1_203668_432860	NW_004516094.1	Scaffold682	432860	GG	AA	1940465420
SNP_P1_203669_432869	NW_004516094.1	Scaffold682	432869	TT	CC	1940465421
SNP_P1_203670_435908	NW_004516094.1	Scaffold682	435908	TT	GG	1940465422
SNP_P1_203671_444102	NW_004516094.1	Scaffold682	444102	CC	TT	1940465423
SNP_P1_203672_460614	NW_004516094.1	Scaffold682	460614	AA	GG	1940465424
SNP_P1_203673_462847	NW_004516094.1	Scaffold682	462847	GG	AA	1940465425
SNP_P1_203674_462854	NW_004516094.1	Scaffold682	462854	TT	CC	1940465426
SNP_P1_203675_463012	NW_004516094.1	Scaffold682	463012	AA	TT	1940465427
SNP_P1_203676_463021	NW_004516094.1	Scaffold682	463021	TT	CC	1940465428
SNP_P1_203677_463032	NW_004516094.1	Scaffold682	463032	GG	AA	1940465429
SNP_P1_203678_463042	NW_004516094.1	Scaffold682	463042	TT	CC	1940465430
SNP_P1_203679_463044	NW_004516094.1	Scaffold682	463044	CC	TT	1940465431
SNP_P1_203680_463057	NW_004516094.1	Scaffold682	463057	TT	CC	1940465432
SNP_P1_203681_463087	NW_004516094.1	Scaffold682	463087	TT	CC	1940465433
SNP_P1_203682_463096	NW_004516094.1	Scaffold682	463096	TT	CC	1940465434
SNP_P1_203683_463135	NW_004516094.1	Scaffold682	463135	TT	CC	1940465435
SNP_P1_203684_463145	NW_004516094.1	Scaffold682	463145	AA	TT	1940465436
SNP_P1_203685_463160	NW_004516094.1	Scaffold682	463160	AA	GG	1940465437

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SNP_P1_203686_463168	NW_004516094.1	Scaffold682	463168	AA	GG	1940465438
SNP_P1_203687_463180	NW_004516094.1	Scaffold682	463180	TT	CC	1940465439
SNP_P1_203688_463189	NW_004516094.1	Scaffold682	463189	TT	CC	1940465440
SNP_P1_203689_463216	NW_004516094.1	Scaffold682	463216	TT	CC	1940465441
SNP_P1_203690_463249	NW_004516094.1	Scaffold682	463249	TT	CC	1940465442
SNP_P1_203691_463261	NW_004516094.1	Scaffold682	463261	TT	AA	1940465443
SNP_P1_203692_463264	NW_004516094.1	Scaffold682	463264	GG	AA	1940465444
SNP_P1_203693_463273	NW_004516094.1	Scaffold682	463273	CC	TT	1940465445
SNP_P1_203694_463297	NW_004516094.1	Scaffold682	463297	AA	GG	1940465446
SNP_P1_203695_463318	NW_004516094.1	Scaffold682	463318	TT	CC	1940465447
SNP_P1_203696_466973	NW_004516094.1	Scaffold682	466973	TT	CC	1940465448
SNP_P1_203697_468067	NW_004516094.1	Scaffold682	468067	AA	TT	1940465449
SNP_P1_203698_468082	NW_004516094.1	Scaffold682	468082	CC	TT	1940465450
SNP_P1_203699_468288	NW_004516094.1	Scaffold682	468288	TT	CC	1940465451
SNP_P1_203700_471923	NW_004516094.1	Scaffold682	471923	TT	CC	1940465452
SNP_P1_203701_478630	NW_004516094.1	Scaffold682	478630	GG	AA	1940465453
SNP_P1_203702_494312	NW_004516094.1	Scaffold682	494312	AA	GG	1940465454
SNP_P1_203703_498280	NW_004516094.1	Scaffold682	498280	AA	CC	1940465455
SNP_P1_203704_498473	NW_004516094.1	Scaffold682	498473	TT	CC	1940465456
SNP_P1_203705_498546	NW_004516094.1	Scaffold682	498546	GG	AA	1940465458
SNP_P1_203706_499344	NW_004516094.1	Scaffold682	499344	AA	GG	1940465459
SNP_P1_203708_506149	NW_004516094.1	Scaffold682	506149	CC	GG	1940465460
SNP_P1_203709_506158	NW_004516094.1	Scaffold682	506158	CC	AA	1940465461
SNP_P1_203711_507461	NW_004516094.1	Scaffold682	507461	AA	GG	1940465462
SNP_P1_203712_510343	NW_004516094.1	Scaffold682	510343	TT	CC	1940465463
SNP_P1_203713_517941	NW_004516094.1	Scaffold682	517941	AA	GG	1940465464
SNP_P1_203714_518826	NW_004516094.1	Scaffold682	518826	GG	TT	1940465465
SNP_P1_203715_520991	NW_004516094.1	Scaffold682	520991	AA	GG	1940465466
SNP_P1_203716_524563	NW_004516094.1	Scaffold682	524563	AA	GG	1940465467
SNP_P1_203717_524576	NW_004516094.1	Scaffold682	524576	GG	AA	1940465468
SNP_P1_203718_524611	NW_004516094.1	Scaffold682	524611	TT	CC	1940465469
SNP_P1_203719_524642	NW_004516094.1	Scaffold682	524642	CC	TT	1940465470
SNP_P1_203720_524787	NW_004516094.1	Scaffold682	524787	AA	GG	1940465471
SNP_P1_203721_524865	NW_004516094.1	Scaffold682	524865	AA	CC	1940465472
SNP_P1_203722_524878	NW_004516094.1	Scaffold682	524878	TT	GG	1940465473
SNP_P1_203723_525028	NW_004516094.1	Scaffold682	525028	TT	CC	1940465474
SNP_P1_203724_525737	NW_004516094.1	Scaffold682	525737	AA	GG	1940465475
SNP_P1_203725_525770	NW_004516094.1	Scaffold682	525770	AA	CC	1940465476
SNP_P1_203726_525831	NW_004516094.1	Scaffold682	525831	GG	AA	1940465477
SNP_P1_203727_526564	NW_004516094.1	Scaffold682	526564	AA	CC	1940465478
SNP_P1_203729_526816	NW_004516094.1	Scaffold682	526816	AA	TT	1940465479
SNP_P1_203730_526846	NW_004516094.1	Scaffold682	526846	TT	GG	1940465480

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203731_526860	NW_004516094.1	Scaffold682	526860	GG	AA	1940465481
SNP_P1_203732_526869	NW_004516094.1	Scaffold682	526869	TT	CC	1940465482
SNP_P1_203733_526878	NW_004516094.1	Scaffold682	526878	TT	CC	1940465483
SNP_P1_203734_526903	NW_004516094.1	Scaffold682	526903	TT	GG	1940465484
SNP_P1_203735_526935	NW_004516094.1	Scaffold682	526935	GG	AA	1940465485
SNP_P1_203736_526938	NW_004516094.1	Scaffold682	526938	CC	AA	1940465486
SNP_P1_203737_526976	NW_004516094.1	Scaffold682	526976	AA	GG	1940465487
SNP_P1_203738_526998	NW_004516094.1	Scaffold682	526998	AA	GG	1940465488
SNP_P1_203739_527001	NW_004516094.1	Scaffold682	527001	TT	AA	1940465489
SNP_P1_203740_527028	NW_004516094.1	Scaffold682	527028	CC	TT	1940465490
SNP_P1_203741_527030	NW_004516094.1	Scaffold682	527030	GG	TT	1940465491
SNP_P1_203742_527037	NW_004516094.1	Scaffold682	527037	AA	GG	1940465492
SNP_P1_203743_527044	NW_004516094.1	Scaffold682	527044	GG	TT	1940465493
SNP_P1_203744_527052	NW_004516094.1	Scaffold682	527052	TT	AA	1940465494
SNP_P1_203745_527317	NW_004516094.1	Scaffold682	527317	TT	CC	1940465495
SNP_P1_203746_527335	NW_004516094.1	Scaffold682	527335	TT	CC	1940465496
SNP_P1_203747_527356	NW_004516094.1	Scaffold682	527356	TT	CC	1940465497
SNP_P1_203748_527383	NW_004516094.1	Scaffold682	527383	AA	CC	1940465498
SNP_P1_203750_536174	NW_004516094.1	Scaffold682	536174	TT	CC	1940465499
SNP_P1_203751_536213	NW_004516094.1	Scaffold682	536213	TT	CC	1940465500
SNP_P1_203752_539823	NW_004516094.1	Scaffold682	539823	GG	AA	1940465501
SNP_P1_203753_539838	NW_004516094.1	Scaffold682	539838	AA	TT	1940465502
SNP_P1_203754_539839	NW_004516094.1	Scaffold682	539839	GG	TT	1940465503
SNP_P1_203755_539849	NW_004516094.1	Scaffold682	539849	TT	CC	1940465504
SNP_P1_203757_539945	NW_004516094.1	Scaffold682	539945	GG	TT	1940465505
SNP_P1_203758_539961	NW_004516094.1	Scaffold682	539961	AA	CC	1940465506
SNP_P1_203759_539983	NW_004516094.1	Scaffold682	539983	AA	GG	1940465507
SNP_P1_203760_540018	NW_004516094.1	Scaffold682	540018	AA	GG	1940465508
SNP_P1_203761_540019	NW_004516094.1	Scaffold682	540019	TT	CC	1940465509
SNP_P1_203762_540071	NW_004516094.1	Scaffold682	540071	CC	TT	1940465510
SNP_P1_203763_540093	NW_004516094.1	Scaffold682	540093	AA	GG	1940465511
SNP_P1_203764_540126	NW_004516094.1	Scaffold682	540126	GG	AA	1940465512
SNP_P1_203765_540141	NW_004516094.1	Scaffold682	540141	TT	CC	1940465513
SNP_P1_203766_540168	NW_004516094.1	Scaffold682	540168	CC	TT	1940465514
SNP_P1_203767_540210	NW_004516094.1	Scaffold682	540210	AA	CC	1940465515
SNP_P1_203768_540221	NW_004516094.1	Scaffold682	540221	AA	GG	1940465516
SNP_P1_203769_540319	NW_004516094.1	Scaffold682	540319	GG	AA	1940465517
SNP_P1_203770_540388	NW_004516094.1	Scaffold682	540388	CC	AA	1940465518
SNP_P1_203772_540476	NW_004516094.1	Scaffold682	540476	TT	GG	1940465519
SNP_P1_203773_540483	NW_004516094.1	Scaffold682	540483	TT	AA	1940465520
SNP_P1_203774_540491	NW_004516094.1	Scaffold682	540491	GG	AA	1940465521
SNP_P1_203775_540569	NW_004516094.1	Scaffold682	540569	GG	CC	1940465522

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203776_540587	NW_004516094.1	Scaffold682	540587	TT	CC	1940465523
SNP_P1_203778_540634	NW_004516094.1	Scaffold682	540634	TT	AA	1940465524
SNP_P1_203780_540841	NW_004516094.1	Scaffold682	540841	TT	GG	1940465525
SNP_P1_203782_540851	NW_004516094.1	Scaffold682	540851	AA	GG	1940465526
SNP_P1_203783_540864	NW_004516094.1	Scaffold682	540864	GG	AA	1940465527
SNP_P1_203784_540896	NW_004516094.1	Scaffold682	540896	CC	TT	1940465528
SNP_P1_203785_540897	NW_004516094.1	Scaffold682	540897	GG	AA	1940465529
SNP_P1_203786_540920	NW_004516094.1	Scaffold682	540920	TT	GG	1940465530
SNP_P1_203787_540930	NW_004516094.1	Scaffold682	540930	CC	TT	1940465531
SNP_P1_203789_541079	NW_004516094.1	Scaffold682	541079	AA	GG	1940465532
SNP_P1_203790_541106	NW_004516094.1	Scaffold682	541106	TT	CC	1940465533
SNP_P1_203791_541112	NW_004516094.1	Scaffold682	541112	AA	TT	1940465534
SNP_P1_203792_541114	NW_004516094.1	Scaffold682	541114	TT	CC	1940465535
SNP_P1_203793_541153	NW_004516094.1	Scaffold682	541153	GG	AA	1940465536
SNP_P1_203794_541187	NW_004516094.1	Scaffold682	541187	TT	CC	1940465537
SNP_P1_203795_541213	NW_004516094.1	Scaffold682	541213	CC	TT	1940465538
SNP_P1_203796_541270	NW_004516094.1	Scaffold682	541270	TT	AA	1940465539
SNP_P1_203797_541362	NW_004516094.1	Scaffold682	541362	GG	CC	1940465540
SNP_P1_203798_541439	NW_004516094.1	Scaffold682	541439	AA	TT	1940465541
SNP_P1_203799_541441	NW_004516094.1	Scaffold682	541441	AA	CC	1940465542
SNP_P1_203800_541473	NW_004516094.1	Scaffold682	541473	GG	AA	1940465543
SNP_P1_203801_541499	NW_004516094.1	Scaffold682	541499	GG	AA	1940465544
SNP_P1_203802_541505	NW_004516094.1	Scaffold682	541505	TT	GG	1940465545
SNP_P1_203803_541532	NW_004516094.1	Scaffold682	541532	CC	TT	1940465546
SNP_P1_203804_541556	NW_004516094.1	Scaffold682	541556	AA	CC	1940465547
SNP_P1_203805_541591	NW_004516094.1	Scaffold682	541591	TT	AA	1940465548
SNP_P1_203806_541624	NW_004516094.1	Scaffold682	541624	GG	AA	1940465549
SNP_P1_203807_541629	NW_004516094.1	Scaffold682	541629	AA	CC	1940465550
SNP_P1_203808_541678	NW_004516094.1	Scaffold682	541678	AA	GG	1940465551
SNP_P1_203809_541684	NW_004516094.1	Scaffold682	541684	GG	CC	1940465552
SNP_P1_203810_541696	NW_004516094.1	Scaffold682	541696	GG	AA	1940465553
SNP_P1_203811_541712	NW_004516094.1	Scaffold682	541712	GG	CC	1940465554
SNP_P1_203812_541730	NW_004516094.1	Scaffold682	541730	AA	GG	1940465555
SNP_P1_203813_541750	NW_004516094.1	Scaffold682	541750	AA	CC	1940465556
SNP_P1_203814_541752	NW_004516094.1	Scaffold682	541752	TT	CC	1940465557
SNP_P1_203815_541787	NW_004516094.1	Scaffold682	541787	GG	AA	1940465558
SNP_P1_203816_541840	NW_004516094.1	Scaffold682	541840	GG	AA	1940465559
SNP_P1_203817_541912	NW_004516094.1	Scaffold682	541912	CC	GG	1940465560
SNP_P1_203818_541994	NW_004516094.1	Scaffold682	541994	TT	AA	1940465561
SNP_P1_203819_542027	NW_004516094.1	Scaffold682	542027	TT	CC	1940465562
SNP_P1_203820_542039	NW_004516094.1	Scaffold682	542039	GG	AA	1940465563
SNP_P1_203821_553590	NW_004516094.1	Scaffold682	553590	TT	GG	1940465564

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203822_553591	NW_004516094.1	Scaffold682	553591	AA	TT	1940465565
SNP_P1_203824_712	NW_004516095.1	Scaffold683	712	GG	CC	1940465566
SNP_P1_203825_764	NW_004516095.1	Scaffold683	764	GG	AA	1940465567
SNP_P1_203826_768	NW_004516095.1	Scaffold683	768	AA	GG	1940465568
SNP_P1_203827_815	NW_004516095.1	Scaffold683	815	CC	GG	1940465569
SNP_P1_203828_2342	NW_004516095.1	Scaffold683	2342	CC	AA	1940465570
SNP_P1_203829_2870	NW_004516095.1	Scaffold683	2870	GG	TT	1940465571
SNP_P1_203830_5883	NW_004516095.1	Scaffold683	5883	TT	CC	1940465572
SNP_P1_203831_12231	NW_004516095.1	Scaffold683	12231	CC	TT	1940465573
SNP_P1_203833_15419	NW_004516095.1	Scaffold683	15419	CC	AA	1940465574
SNP_P1_203834_15561	NW_004516095.1	Scaffold683	15561	CC	AA	1940465575
SNP_P1_203835_15737	NW_004516095.1	Scaffold683	15737	TT	CC	1940465576
SNP_P1_203836_15758	NW_004516095.1	Scaffold683	15758	CC	AA	1940465577
SNP_P1_203837_15985	NW_004516095.1	Scaffold683	15985	AA	TT	1940465578
SNP_P1_203838_20404	NW_004516095.1	Scaffold683	20404	TT	CC	1940465579
SNP_P1_203839_20409	NW_004516095.1	Scaffold683	20409	AA	CC	1940465580
SNP_P1_203840_20479	NW_004516095.1	Scaffold683	20479	GG	AA	1940465581
SNP_P1_203841_20501	NW_004516095.1	Scaffold683	20501	TT	CC	1940465582
SNP_P1_203842_20505	NW_004516095.1	Scaffold683	20505	TT	GG	1940465583
SNP_P1_203843_20536	NW_004516095.1	Scaffold683	20536	TT	GG	1940465584
SNP_P1_203844_20543	NW_004516095.1	Scaffold683	20543	CC	GG	1940465585
SNP_P1_203845_20566	NW_004516095.1	Scaffold683	20566	TT	CC	1940465586
SNP_P1_203846_20585	NW_004516095.1	Scaffold683	20585	GG	AA	1940465587
SNP_P1_203847_20651	NW_004516095.1	Scaffold683	20651	GG	TT	1940465588
SNP_P1_203848_20673	NW_004516095.1	Scaffold683	20673	TT	AA	1940465589
SNP_P1_203850_20705	NW_004516095.1	Scaffold683	20705	CC	GG	1940465590
SNP_P1_203851_20739	NW_004516095.1	Scaffold683	20739	AA	TT	1940465591
SNP_P1_203852_20781	NW_004516095.1	Scaffold683	20781	AA	GG	1940465592
SNP_P1_203853_20812	NW_004516095.1	Scaffold683	20812	TT	GG	1940465593
SNP_P1_203854_20817	NW_004516095.1	Scaffold683	20817	TT	CC	1940465594
SNP_P1_203855_20943	NW_004516095.1	Scaffold683	20943	GG	TT	1940465595
SNP_P1_203856_20958	NW_004516095.1	Scaffold683	20958	CC	TT	1940465596
SNP_P1_203857_21010	NW_004516095.1	Scaffold683	21010	TT	CC	1940465597
SNP_P1_203858_24450	NW_004516095.1	Scaffold683	24450	AA	CC	1940465598
SNP_P1_203859_24467	NW_004516095.1	Scaffold683	24467	CC	AA	1940465599
SNP_P1_203860_24474	NW_004516095.1	Scaffold683	24474	TT	GG	1940465600
SNP_P1_203861_24488	NW_004516095.1	Scaffold683	24488	AA	GG	1940465601
SNP_P1_203862_25188	NW_004516095.1	Scaffold683	25188	GG	TT	1940465602
SNP_P1_203863_25235	NW_004516095.1	Scaffold683	25235	AA	CC	1940465603
SNP_P1_203864_25237	NW_004516095.1	Scaffold683	25237	CC	AA	1940465604
SNP_P1_203865_25350	NW_004516095.1	Scaffold683	25350	AA	TT	1940465605
SNP_P1_203866_25438	NW_004516095.1	Scaffold683	25438	AA	TT	1940465606

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203868_25467	NW_004516095.1	Scaffold683	25467	CC	TT	1940465607
SNP_P1_203869_25512	NW_004516095.1	Scaffold683	25512	TT	GG	1940465608
SNP_P1_203870_25514	NW_004516095.1	Scaffold683	25514	TT	CC	1940465609
SNP_P1_203871_25523	NW_004516095.1	Scaffold683	25523	TT	AA	1940465610
SNP_P1_203872_25556	NW_004516095.1	Scaffold683	25556	CC	TT	1940465611
SNP_P1_203873_25558	NW_004516095.1	Scaffold683	25558	AA	GG	1940465612
SNP_P1_203874_25559	NW_004516095.1	Scaffold683	25559	GG	AA	1940465613
SNP_P1_203875_25636	NW_004516095.1	Scaffold683	25636	CC	TT	1940465614
SNP_P1_203876_25882	NW_004516095.1	Scaffold683	25882	AA	GG	1940465615
SNP_P1_203877_26178	NW_004516095.1	Scaffold683	26178	AA	TT	1940465616
SNP_P1_203878_26194	NW_004516095.1	Scaffold683	26194	TT	GG	1940465617
SNP_P1_203879_26202	NW_004516095.1	Scaffold683	26202	CC	TT	1940465618
SNP_P1_203880_26203	NW_004516095.1	Scaffold683	26203	AA	GG	1940465619
SNP_P1_203881_26204	NW_004516095.1	Scaffold683	26204	CC	AA	1940465621
SNP_P1_203882_26217	NW_004516095.1	Scaffold683	26217	AA	CC	1940465622
SNP_P1_203883_26238	NW_004516095.1	Scaffold683	26238	AA	TT	1940465623
SNP_P1_203884_26247	NW_004516095.1	Scaffold683	26247	TT	AA	1940465624
SNP_P1_203885_389	NW_004516096.1	Scaffold684	389	TT	CC	1940465625
SNP_P1_203886_3403	NW_004516096.1	Scaffold684	3403	TT	CC	1940465626
SNP_P1_203887_3409	NW_004516096.1	Scaffold684	3409	AA	GG	1940465627
SNP_P1_203888_3443	NW_004516096.1	Scaffold684	3443	AA	GG	1940465628
SNP_P1_203889_4704	NW_004516096.1	Scaffold684	4704	AA	GG	1940465629
SNP_P1_203890_4713	NW_004516096.1	Scaffold684	4713	GG	AA	1940465630
SNP_P1_203891_4725	NW_004516096.1	Scaffold684	4725	GG	AA	1940465631
SNP_P1_203892_4880	NW_004516096.1	Scaffold684	4880	TT	AA	1940465632
SNP_P1_203893_5158	NW_004516096.1	Scaffold684	5158	TT	CC	1940465633
SNP_P1_203894_6954	NW_004516096.1	Scaffold684	6954	GG	AA	1940465634
SNP_P1_203895_7017	NW_004516096.1	Scaffold684	7017	GG	AA	1940465635
SNP_P1_203896_7021	NW_004516096.1	Scaffold684	7021	AA	CC	1940465636
SNP_P1_203897_7050	NW_004516096.1	Scaffold684	7050	AA	GG	1940465637
SNP_P1_203898_7208	NW_004516096.1	Scaffold684	7208	GG	TT	1940465638
SNP_P1_203899_7424	NW_004516096.1	Scaffold684	7424	CC	GG	1940465639
SNP_P1_203900_15424	NW_004516096.1	Scaffold684	15424	TT	AA	1940465640
SNP_P1_203901_19163	NW_004516096.1	Scaffold684	19163	AA	TT	1940465641
SNP_P1_203902_19225	NW_004516096.1	Scaffold684	19225	AA	GG	1940465642
SNP_P1_203903_19409	NW_004516096.1	Scaffold684	19409	AA	GG	1940465643
SNP_P1_203904_28978	NW_004516096.1	Scaffold684	28978	TT	GG	1940465644
SNP_P1_203906_44056	NW_004516096.1	Scaffold684	44056	TT	CC	1940465645
SNP_P1_203907_44241	NW_004516096.1	Scaffold684	44241	TT	CC	1940465646
SNP_P1_203908_48352	NW_004516096.1	Scaffold684	48352	CC	GG	1940465647
SNP_P1_203909_48386	NW_004516096.1	Scaffold684	48386	TT	GG	1940465648
SNP_P1_203910_48643	NW_004516096.1	Scaffold684	48643	GG	AA	1940465649

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203911_48665	NW_004516096.1	Scaffold684	48665	CC	AA	1940465650
SNP_P1_203912_48666	NW_004516096.1	Scaffold684	48666	CC	AA	1940465651
SNP_P1_203914_62707	NW_004516096.1	Scaffold684	62707	CC	TT	1940465652
SNP_P1_203915_62712	NW_004516096.1	Scaffold684	62712	CC	AA	1940465653
SNP_P1_203916_62727	NW_004516096.1	Scaffold684	62727	TT	CC	1940465654
SNP_P1_203917_72115	NW_004516096.1	Scaffold684	72115	CC	TT	1940465655
SNP_P1_203919_72210	NW_004516096.1	Scaffold684	72210	GG	AA	1940465656
SNP_P1_203920_72472	NW_004516096.1	Scaffold684	72472	CC	TT	1940465657
SNP_P1_203921_94438	NW_004516096.1	Scaffold684	94438	TT	CC	1940465658
SNP_P1_203922_94465	NW_004516096.1	Scaffold684	94465	CC	AA	1940465659
SNP_P1_203923_98919	NW_004516096.1	Scaffold684	98919	AA	GG	1940465660
SNP_P1_203924_101362	NW_004516096.1	Scaffold684	101362	TT	CC	1940465661
SNP_P1_203925_106773	NW_004516096.1	Scaffold684	106773	GG	AA	1940465662
SNP_P1_203926_64	NW_004516098.1	Scaffold686	64	CC	TT	1940465663
SNP_P1_203927_81	NW_004516098.1	Scaffold686	81	GG	AA	1940465664
SNP_P1_203928_171	NW_004516098.1	Scaffold686	171	GG	AA	1940465665
SNP_P1_203929_352	NW_004516098.1	Scaffold686	352	GG	AA	1940465666
SNP_P1_203930_458	NW_004516098.1	Scaffold686	458	GG	AA	1940465667
SNP_P1_203931_618	NW_004516098.1	Scaffold686	618	TT	AA	1940465668
SNP_P1_203932_740	NW_004516098.1	Scaffold686	740	TT	AA	1940465669
SNP_P1_203933_751	NW_004516098.1	Scaffold686	751	CC	TT	1940465670
SNP_P1_203934_769	NW_004516098.1	Scaffold686	769	AA	CC	1940465671
SNP_P1_203935_772	NW_004516098.1	Scaffold686	772	AA	TT	1940465672
SNP_P1_203936_783	NW_004516098.1	Scaffold686	783	AA	GG	1940465673
SNP_P1_203937_789	NW_004516098.1	Scaffold686	789	CC	TT	1940465674
SNP_P1_203938_25746	NW_004516098.1	Scaffold686	25746	CC	GG	1940465675
SNP_P1_203939_25875	NW_004516098.1	Scaffold686	25875	TT	CC	1940465676
SNP_P1_203940_36083	NW_004516098.1	Scaffold686	36083	GG	AA	1940465677
SNP_P1_203941_39988	NW_004516098.1	Scaffold686	39988	GG	CC	1940465678
SNP_P1_203942_54182	NW_004516098.1	Scaffold686	54182	TT	CC	1940465679
SNP_P1_203943_54426	NW_004516098.1	Scaffold686	54426	AA	GG	1940465680
SNP_P1_203944_54542	NW_004516098.1	Scaffold686	54542	TT	CC	1940465681
SNP_P1_203945_59463	NW_004516098.1	Scaffold686	59463	AA	GG	1940465682
SNP_P1_203946_59475	NW_004516098.1	Scaffold686	59475	TT	CC	1940465683
SNP_P1_203947_59483	NW_004516098.1	Scaffold686	59483	CC	TT	1940465684
SNP_P1_203948_59497	NW_004516098.1	Scaffold686	59497	CC	TT	1940465685
SNP_P1_203949_59663	NW_004516098.1	Scaffold686	59663	CC	TT	1940465686
SNP_P1_203951_60020	NW_004516098.1	Scaffold686	60020	TT	CC	1940465687
SNP_P1_203952_60025	NW_004516098.1	Scaffold686	60025	CC	TT	1940465688
SNP_P1_203953_60083	NW_004516098.1	Scaffold686	60083	TT	AA	1940465689
SNP_P1_203954_60103	NW_004516098.1	Scaffold686	60103	CC	GG	1940465690
SNP_P1_203955_60345	NW_004516098.1	Scaffold686	60345	AA	TT	1940465691

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_203956_69068	NW_004516098.1	Scaffold686	69068	CC	TT	1940465692
SNP_P1_203957_69162	NW_004516098.1	Scaffold686	69162	GG	TT	1940465693
SNP_P1_203958_74289	NW_004516098.1	Scaffold686	74289	TT	CC	1940465694
SNP_P1_203959_74865	NW_004516098.1	Scaffold686	74865	CC	TT	1940465695
SNP_P1_203960_74866	NW_004516098.1	Scaffold686	74866	GG	AA	1940465696
SNP_P1_203961_74879	NW_004516098.1	Scaffold686	74879	AA	GG	1940465697
SNP_P1_203963_79547	NW_004516098.1	Scaffold686	79547	TT	GG	1940465698
SNP_P1_203964_85517	NW_004516098.1	Scaffold686	85517	TT	CC	1940465699
SNP_P1_203965_85596	NW_004516098.1	Scaffold686	85596	AA	CC	1940465700
SNP_P1_203966_89609	NW_004516098.1	Scaffold686	89609	TT	CC	1940465701
SNP_P1_203967_90729	NW_004516098.1	Scaffold686	90729	GG	TT	1940465702
SNP_P1_203968_90755	NW_004516098.1	Scaffold686	90755	AA	GG	1940465703
SNP_P1_203969_90794	NW_004516098.1	Scaffold686	90794	TT	CC	1940465704
SNP_P1_203970_90827	NW_004516098.1	Scaffold686	90827	TT	GG	1940465705
SNP_P1_203971_90831	NW_004516098.1	Scaffold686	90831	AA	GG	1940465706
SNP_P1_203972_90892	NW_004516098.1	Scaffold686	90892	TT	GG	1940465707
SNP_P1_203973_91078	NW_004516098.1	Scaffold686	91078	TT	AA	1940465708
SNP_P1_203974_91092	NW_004516098.1	Scaffold686	91092	TT	CC	1940465709
SNP_P1_203975_91129	NW_004516098.1	Scaffold686	91129	CC	TT	1940465710
SNP_P1_203976_91211	NW_004516098.1	Scaffold686	91211	AA	TT	1940465711
SNP_P1_203977_97553	NW_004516098.1	Scaffold686	97553	GG	AA	1940465712
SNP_P1_203978_98291	NW_004516098.1	Scaffold686	98291	AA	CC	1940465713
SNP_P1_203979_103288	NW_004516098.1	Scaffold686	103288	AA	GG	1940465714
SNP_P1_203980_103736	NW_004516098.1	Scaffold686	103736	AA	CC	1940465715
SNP_P1_203981_103895	NW_004516098.1	Scaffold686	103895	AA	GG	1940465716
SNP_P1_203982_104083	NW_004516098.1	Scaffold686	104083	GG	TT	1940465717
SNP_P1_203983_104993	NW_004516098.1	Scaffold686	104993	GG	TT	1940465718
SNP_P1_203985_108158	NW_004516098.1	Scaffold686	108158	CC	GG	1940465719
SNP_P1_203986_108353	NW_004516098.1	Scaffold686	108353	CC	TT	1940465720
SNP_P1_203988_108419	NW_004516098.1	Scaffold686	108419	TT	CC	1940465721
SNP_P1_203989_108420	NW_004516098.1	Scaffold686	108420	TT	AA	1940465722
SNP_P1_203991_108784	NW_004516098.1	Scaffold686	108784	GG	AA	1940465723
SNP_P1_203992_108924	NW_004516098.1	Scaffold686	108924	AA	TT	1940465724
SNP_P1_203994_109134	NW_004516098.1	Scaffold686	109134	AA	GG	1940465725
SNP_P1_203996_111876	NW_004516098.1	Scaffold686	111876	CC	TT	1940465726
SNP_P1_203997_111924	NW_004516098.1	Scaffold686	111924	GG	AA	1940465727
SNP_P1_203998_111936	NW_004516098.1	Scaffold686	111936	GG	AA	1940465728
SNP_P1_203999_112240	NW_004516098.1	Scaffold686	112240	AA	CC	1940465729
SNP_P1_204000_112355	NW_004516098.1	Scaffold686	112355	CC	AA	1940465730
SNP_P1_204001_112393	NW_004516098.1	Scaffold686	112393	GG	AA	1940465731
SNP_P1_204002_112398	NW_004516098.1	Scaffold686	112398	AA	GG	1940465732
SNP_P1_204003_112411	NW_004516098.1	Scaffold686	112411	TT	CC	1940465733

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204004_112413	NW_004516098.1	Scaffold686	112413	GG	AA	1940465734
SNP_P1_204005_124182	NW_004516098.1	Scaffold686	124182	TT	CC	1940465735
SNP_P1_204007_138491	NW_004516098.1	Scaffold686	138491	GG	AA	1940465736
SNP_P1_204009_142772	NW_004516098.1	Scaffold686	142772	GG	AA	1940465737
SNP_P1_204010_142789	NW_004516098.1	Scaffold686	142789	TT	CC	1940465738
SNP_P1_204013_177848	NW_004516098.1	Scaffold686	177848	CC	TT	1940465739
SNP_P1_204014_177896	NW_004516098.1	Scaffold686	177896	AA	GG	1940465740
SNP_P1_204016_180024	NW_004516098.1	Scaffold686	180024	GG	AA	1940465741
SNP_P1_204017_180087	NW_004516098.1	Scaffold686	180087	AA	CC	1940465742
SNP_P1_204019_180855	NW_004516098.1	Scaffold686	180855	AA	TT	1940465743
SNP_P1_204020_181199	NW_004516098.1	Scaffold686	181199	TT	CC	1940465744
SNP_P1_204021_182141	NW_004516098.1	Scaffold686	182141	CC	TT	1940465745
SNP_P1_204024_183542	NW_004516098.1	Scaffold686	183542	TT	CC	1940465746
SNP_P1_204025_183720	NW_004516098.1	Scaffold686	183720	GG	TT	1940465747
SNP_P1_204027_184111	NW_004516098.1	Scaffold686	184111	TT	AA	1940465748
SNP_P1_204028_184441	NW_004516098.1	Scaffold686	184441	GG	AA	1940465749
SNP_P1_204029_185855	NW_004516098.1	Scaffold686	185855	TT	CC	1940465750
SNP_P1_204030_185922	NW_004516098.1	Scaffold686	185922	TT	CC	1940465751
SNP_P1_204031_185932	NW_004516098.1	Scaffold686	185932	TT	GG	1940465752
SNP_P1_204032_185945	NW_004516098.1	Scaffold686	185945	GG	AA	1940465753
SNP_P1_204033_186124	NW_004516098.1	Scaffold686	186124	GG	CC	1940465754
SNP_P1_204034_186196	NW_004516098.1	Scaffold686	186196	GG	AA	1940465755
SNP_P1_204035_186280	NW_004516098.1	Scaffold686	186280	TT	GG	1940465756
SNP_P1_204036_186427	NW_004516098.1	Scaffold686	186427	CC	TT	1940465757
SNP_P1_204037_186482	NW_004516098.1	Scaffold686	186482	GG	TT	1940465758
SNP_P1_204038_190393	NW_004516098.1	Scaffold686	190393	CC	TT	1940465759
SNP_P1_204039_202949	NW_004516098.1	Scaffold686	202949	AA	CC	1940465760
SNP_P1_204040_204721	NW_004516098.1	Scaffold686	204721	AA	CC	1940465761
SNP_P1_204041_211168	NW_004516098.1	Scaffold686	211168	TT	CC	1940465762
SNP_P1_204042_211231	NW_004516098.1	Scaffold686	211231	GG	AA	1940465763
SNP_P1_204043_211279	NW_004516098.1	Scaffold686	211279	TT	AA	1940465764
SNP_P1_204045_211369	NW_004516098.1	Scaffold686	211369	TT	CC	1940465765
SNP_P1_204046_211410	NW_004516098.1	Scaffold686	211410	CC	TT	1940465766
SNP_P1_204047_212763	NW_004516098.1	Scaffold686	212763	GG	AA	1940465767
SNP_P1_204048_213117	NW_004516098.1	Scaffold686	213117	TT	CC	1940465768
SNP_P1_204049_215762	NW_004516098.1	Scaffold686	215762	TT	CC	1940465769
SNP_P1_204050_215918	NW_004516098.1	Scaffold686	215918	GG	AA	1940465770
SNP_P1_204051_215924	NW_004516098.1	Scaffold686	215924	AA	GG	1940465771
SNP_P1_204052_215930	NW_004516098.1	Scaffold686	215930	AA	TT	1940465772
SNP_P1_204053_215966	NW_004516098.1	Scaffold686	215966	AA	GG	1940465773
SNP_P1_204054_215969	NW_004516098.1	Scaffold686	215969	CC	TT	1940465774
SNP_P1_204055_216016	NW_004516098.1	Scaffold686	216016	AA	GG	1940465775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204056_216040	NW_004516098.1	Scaffold686	216040	CC	TT	1940465776
SNP_P1_204057_216049	NW_004516098.1	Scaffold686	216049	TT	CC	1940465777
SNP_P1_204058_216054	NW_004516098.1	Scaffold686	216054	GG	AA	1940465778
SNP_P1_204059_216094	NW_004516098.1	Scaffold686	216094	CC	TT	1940465779
SNP_P1_204060_216099	NW_004516098.1	Scaffold686	216099	TT	CC	1940465780
SNP_P1_204061_216105	NW_004516098.1	Scaffold686	216105	TT	CC	1940465781
SNP_P1_204062_216106	NW_004516098.1	Scaffold686	216106	GG	AA	1940465783
SNP_P1_204064_216121	NW_004516098.1	Scaffold686	216121	AA	GG	1940465784
SNP_P1_204065_216139	NW_004516098.1	Scaffold686	216139	GG	AA	1940465785
SNP_P1_204066_216177	NW_004516098.1	Scaffold686	216177	AA	GG	1940465786
SNP_P1_204067_216179	NW_004516098.1	Scaffold686	216179	GG	TT	1940465787
SNP_P1_204068_216180	NW_004516098.1	Scaffold686	216180	AA	TT	1940465788
SNP_P1_204069_216202	NW_004516098.1	Scaffold686	216202	TT	AA	1940465789
SNP_P1_204070_216231	NW_004516098.1	Scaffold686	216231	AA	GG	1940465790
SNP_P1_204071_216241	NW_004516098.1	Scaffold686	216241	AA	GG	1940465791
SNP_P1_204072_216244	NW_004516098.1	Scaffold686	216244	CC	TT	1940465792
SNP_P1_204073_216247	NW_004516098.1	Scaffold686	216247	AA	CC	1940465793
SNP_P1_204074_216271	NW_004516098.1	Scaffold686	216271	CC	TT	1940465794
SNP_P1_204075_216273	NW_004516098.1	Scaffold686	216273	TT	CC	1940465795
SNP_P1_204076_216275	NW_004516098.1	Scaffold686	216275	CC	AA	1940465796
SNP_P1_204077_220971	NW_004516098.1	Scaffold686	220971	GG	AA	1940465797
SNP_P1_204078_223425	NW_004516098.1	Scaffold686	223425	CC	TT	1940465798
SNP_P1_204079_223469	NW_004516098.1	Scaffold686	223469	AA	TT	1940465799
SNP_P1_204080_223750	NW_004516098.1	Scaffold686	223750	TT	GG	1940465800
SNP_P1_204081_223753	NW_004516098.1	Scaffold686	223753	AA	GG	1940465801
SNP_P1_204082_223773	NW_004516098.1	Scaffold686	223773	CC	TT	1940465802
SNP_P1_204083_223790	NW_004516098.1	Scaffold686	223790	GG	TT	1940465803
SNP_P1_204084_223801	NW_004516098.1	Scaffold686	223801	CC	TT	1940465804
SNP_P1_204085_226652	NW_004516098.1	Scaffold686	226652	CC	TT	1940465805
SNP_P1_204086_229622	NW_004516098.1	Scaffold686	229622	CC	TT	1940465806
SNP_P1_204087_229628	NW_004516098.1	Scaffold686	229628	AA	GG	1940465807
SNP_P1_204088_229635	NW_004516098.1	Scaffold686	229635	AA	GG	1940465808
SNP_P1_204089_229652	NW_004516098.1	Scaffold686	229652	TT	CC	1940465809
SNP_P1_204091_230024	NW_004516098.1	Scaffold686	230024	TT	AA	1940465810
SNP_P1_204092_234217	NW_004516098.1	Scaffold686	234217	TT	CC	1940465811
SNP_P1_204093_234257	NW_004516098.1	Scaffold686	234257	AA	CC	1940465812
SNP_P1_204096_247732	NW_004516098.1	Scaffold686	247732	CC	TT	1940465813
SNP_P1_204097_249798	NW_004516098.1	Scaffold686	249798	GG	AA	1940465814
SNP_P1_204098_265988	NW_004516098.1	Scaffold686	265988	TT	CC	1940465815
SNP_P1_204101_2434	NW_004516099.1	Scaffold688	2434	GG	TT	1940465816
SNP_P1_204102_2646	NW_004516099.1	Scaffold688	2646	AA	TT	1940465817
SNP_P1_204103_2678	NW_004516099.1	Scaffold688	2678	AA	TT	1940465818

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204104_2732	NW_004516099.1	Scaffold688	2732	AA	GG	1940465819
SNP_P1_204105_2967	NW_004516099.1	Scaffold688	2967	GG	AA	1940465820
SNP_P1_204106_3001	NW_004516099.1	Scaffold688	3001	TT	AA	1940465821
SNP_P1_204107_3058	NW_004516099.1	Scaffold688	3058	CC	GG	1940465822
SNP_P1_204108_3071	NW_004516099.1	Scaffold688	3071	TT	AA	1940465823
SNP_P1_204109_1670	NW_004516101.1	Scaffold690	1670	TT	CC	1940465824
SNP_P1_204110_3320	NW_004516101.1	Scaffold690	3320	GG	CC	1940465825
SNP_P1_204111_4473	NW_004516101.1	Scaffold690	4473	CC	TT	1940465826
SNP_P1_204112_6172	NW_004516101.1	Scaffold690	6172	CC	TT	1940465827
SNP_P1_204113_6176	NW_004516101.1	Scaffold690	6176	AA	TT	1940465828
SNP_P1_204114_6198	NW_004516101.1	Scaffold690	6198	CC	AA	1940465829
SNP_P1_204116_21094	NW_004516102.1	Scaffold692	21094	TT	CC	1940465830
SNP_P1_204117_40134	NW_004516102.1	Scaffold692	40134	GG	TT	1940465831
SNP_P1_204118_50539	NW_004516102.1	Scaffold692	50539	CC	TT	1940465832
SNP_P1_204119_50639	NW_004516102.1	Scaffold692	50639	AA	TT	1940465833
SNP_P1_204120_50669	NW_004516102.1	Scaffold692	50669	TT	CC	1940465834
SNP_P1_204121_50821	NW_004516102.1	Scaffold692	50821	AA	CC	1940465835
SNP_P1_204122_50839	NW_004516102.1	Scaffold692	50839	AA	TT	1940465836
SNP_P1_204124_68902	NW_004516102.1	Scaffold692	68902	GG	AA	1940465837
SNP_P1_204125_83534	NW_004516102.1	Scaffold692	83534	CC	TT	1940465838
SNP_P1_204126_83698	NW_004516102.1	Scaffold692	83698	CC	TT	1940465839
SNP_P1_204127_83956	NW_004516102.1	Scaffold692	83956	GG	TT	1940465840
SNP_P1_204128_84379	NW_004516102.1	Scaffold692	84379	CC	TT	1940465841
SNP_P1_204129_84394	NW_004516102.1	Scaffold692	84394	TT	GG	1940465842
SNP_P1_204130_119	NW_004516103.1	Scaffold693	119	TT	CC	1940465843
SNP_P1_204131_1752	NW_004516103.1	Scaffold693	1752	TT	CC	1940465844
SNP_P1_204132_52	NW_004516104.1	Scaffold694	52	CC	TT	1940465845
SNP_P1_204133_97	NW_004516104.1	Scaffold694	97	GG	TT	1940465846
SNP_P1_204134_125	NW_004516104.1	Scaffold694	125	GG	AA	1940465847
SNP_P1_204135_203	NW_004516104.1	Scaffold694	203	TT	CC	1940465848
SNP_P1_204136_270	NW_004516104.1	Scaffold694	270	GG	AA	1940465849
SNP_P1_204137_305	NW_004516104.1	Scaffold694	305	AA	TT	1940465850
SNP_P1_204138_307	NW_004516104.1	Scaffold694	307	TT	CC	1940465851
SNP_P1_204139_312	NW_004516104.1	Scaffold694	312	CC	TT	1940465852
SNP_P1_204140_338	NW_004516104.1	Scaffold694	338	GG	AA	1940465853
SNP_P1_204141_401	NW_004516104.1	Scaffold694	401	GG	AA	1940465854
SNP_P1_204142_405	NW_004516104.1	Scaffold694	405	TT	CC	1940465855
SNP_P1_204143_415	NW_004516104.1	Scaffold694	415	AA	GG	1940465856
SNP_P1_204144_420	NW_004516104.1	Scaffold694	420	TT	CC	1940465857
SNP_P1_204145_438	NW_004516104.1	Scaffold694	438	GG	CC	1940465858
SNP_P1_204146_454	NW_004516104.1	Scaffold694	454	TT	CC	1940465859
SNP_P1_204147_501	NW_004516104.1	Scaffold694	501	TT	GG	1940465860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204148_505	NW_004516104.1	Scaffold694	505	AA	GG	1940465861
SNP_P1_204149_529	NW_004516104.1	Scaffold694	529	TT	CC	1940465862
SNP_P1_204150_989	NW_004516104.1	Scaffold694	989	CC	TT	1940465863
SNP_P1_204151_997	NW_004516104.1	Scaffold694	997	GG	AA	1940465864
SNP_P1_204152_1016	NW_004516104.1	Scaffold694	1016	CC	AA	1940465865
SNP_P1_204153_2038	NW_004516104.1	Scaffold694	2038	TT	CC	1940465866
SNP_P1_204154_2086	NW_004516104.1	Scaffold694	2086	CC	TT	1940465867
SNP_P1_204155_4674	NW_004516104.1	Scaffold694	4674	TT	CC	1940465868
SNP_P1_204156_4682	NW_004516104.1	Scaffold694	4682	TT	AA	1940465869
SNP_P1_204157_4865	NW_004516104.1	Scaffold694	4865	AA	GG	1940465870
SNP_P1_204158_6867	NW_004516104.1	Scaffold694	6867	CC	TT	1940465871
SNP_P1_204159_6906	NW_004516104.1	Scaffold694	6906	TT	CC	1940465872
SNP_P1_204160_7147	NW_004516104.1	Scaffold694	7147	CC	TT	1940465873
SNP_P1_204161_7168	NW_004516104.1	Scaffold694	7168	CC	TT	1940465874
SNP_P1_204162_7182	NW_004516104.1	Scaffold694	7182	CC	GG	1940465875
SNP_P1_204163_7233	NW_004516104.1	Scaffold694	7233	TT	CC	1940465876
SNP_P1_204164_7280	NW_004516104.1	Scaffold694	7280	AA	CC	1940465877
SNP_P1_204165_7282	NW_004516104.1	Scaffold694	7282	CC	AA	1940465878
SNP_P1_204166_7296	NW_004516104.1	Scaffold694	7296	GG	AA	1940465879
SNP_P1_204167_7371	NW_004516104.1	Scaffold694	7371	TT	AA	1940465880
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SNP_P1_204169_7397	NW_004516104.1	Scaffold694	7397	GG	AA	1940465882
SNP_P1_204170_7415	NW_004516104.1	Scaffold694	7415	CC	TT	1940465883
SNP_P1_204171_7423	NW_004516104.1	Scaffold694	7423	TT	CC	1940465884
SNP_P1_204172_7451	NW_004516104.1	Scaffold694	7451	GG	AA	1940465885
SNP_P1_204173_7459	NW_004516104.1	Scaffold694	7459	GG	AA	1940465886
SNP_P1_204174_7470	NW_004516104.1	Scaffold694	7470	TT	CC	1940465887
SNP_P1_204175_7477	NW_004516104.1	Scaffold694	7477	TT	CC	1940465888
SNP_P1_204176_7478	NW_004516104.1	Scaffold694	7478	CC	TT	1940465889
SNP_P1_204177_7550	NW_004516104.1	Scaffold694	7550	AA	CC	1940465890
SNP_P1_204178_7582	NW_004516104.1	Scaffold694	7582	AA	GG	1940465891
SNP_P1_204179_7660	NW_004516104.1	Scaffold694	7660	TT	CC	1940465892
SNP_P1_204180_7684	NW_004516104.1	Scaffold694	7684	AA	GG	1940465893
SNP_P1_204181_7698	NW_004516104.1	Scaffold694	7698	TT	CC	1940465894
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SNP_P1_204184_7761	NW_004516104.1	Scaffold694	7761	GG	CC	1940465897
SNP_P1_204185_7842	NW_004516104.1	Scaffold694	7842	GG	TT	1940465898
SNP_P1_204186_7846	NW_004516104.1	Scaffold694	7846	GG	AA	1940465899
SNP_P1_204187_7946	NW_004516104.1	Scaffold694	7946	GG	AA	1940465900
SNP_P1_204188_8074	NW_004516104.1	Scaffold694	8074	GG	AA	1940465901
SNP_P1_204189_8174	NW_004516104.1	Scaffold694	8174	GG	AA	1940465902

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204190_8588	NW_004516104.1	Scaffold694	8588	AA	TT	1940465903
SNP_P1_204191_8872	NW_004516104.1	Scaffold694	8872	AA	GG	1940465904
SNP_P1_204192_9002	NW_004516104.1	Scaffold694	9002	GG	AA	1940465905
SNP_P1_204193_9010	NW_004516104.1	Scaffold694	9010	TT	CC	1940465906
SNP_P1_204194_9038	NW_004516104.1	Scaffold694	9038	GG	AA	1940465907
SNP_P1_204195_9054	NW_004516104.1	Scaffold694	9054	AA	TT	1940465908
SNP_P1_204196_9120	NW_004516104.1	Scaffold694	9120	AA	GG	1940465909
SNP_P1_204197_9123	NW_004516104.1	Scaffold694	9123	GG	TT	1940465910
SNP_P1_204198_9136	NW_004516104.1	Scaffold694	9136	AA	GG	1940465911
SNP_P1_204199_9196	NW_004516104.1	Scaffold694	9196	CC	TT	1940465912
SNP_P1_204200_9269	NW_004516104.1	Scaffold694	9269	GG	TT	1940465913
SNP_P1_204201_9458	NW_004516104.1	Scaffold694	9458	TT	AA	1940465914
SNP_P1_204202_9468	NW_004516104.1	Scaffold694	9468	CC	TT	1940465915
SNP_P1_204203_9596	NW_004516104.1	Scaffold694	9596	TT	AA	1940465916
SNP_P1_204204_9645	NW_004516104.1	Scaffold694	9645	TT	CC	1940465917
SNP_P1_204205_9718	NW_004516104.1	Scaffold694	9718	CC	TT	1940465918
SNP_P1_204206_61	NW_004516105.1	Scaffold695	61	TT	CC	1940465920
SNP_P1_204207_64	NW_004516105.1	Scaffold695	64	TT	CC	1940465921
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SNP_P1_204209_80	NW_004516105.1	Scaffold695	80	GG	AA	1940465923
SNP_P1_204210_82	NW_004516105.1	Scaffold695	82	CC	TT	1940465924
SNP_P1_204211_84	NW_004516105.1	Scaffold695	84	GG	CC	1940465925
SNP_P1_204212_98	NW_004516105.1	Scaffold695	98	GG	AA	1940465926
SNP_P1_204213_102	NW_004516105.1	Scaffold695	102	GG	CC	1940465927
SNP_P1_204214_372	NW_004516105.1	Scaffold695	372	GG	CC	1940465928
SNP_P1_204215_423	NW_004516105.1	Scaffold695	423	TT	GG	1940465929
SNP_P1_204216_796	NW_004516105.1	Scaffold695	796	GG	TT	1940465930
SNP_P1_204217_853	NW_004516105.1	Scaffold695	853	AA	CC	1940465931
SNP_P1_204218_854	NW_004516105.1	Scaffold695	854	TT	GG	1940465932
SNP_P1_204219_1201	NW_004516105.1	Scaffold695	1201	TT	CC	1940465933
SNP_P1_204220_149	NW_004516106.1	Scaffold696	149	GG	CC	1940465934
SNP_P1_204221_210	NW_004516106.1	Scaffold696	210	GG	AA	1940465935
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SNP_P1_204223_2076	NW_004516106.1	Scaffold696	2076	TT	CC	1940465937
SNP_P1_204224_4597	NW_004516106.1	Scaffold696	4597	AA	GG	1940465938
SNP_P1_204225_4611	NW_004516106.1	Scaffold696	4611	CC	GG	1940465939
SNP_P1_204227_6295	NW_004516106.1	Scaffold696	6295	CC	TT	1940465940
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SNP_P1_204229_12342	NW_004516106.1	Scaffold696	12342	AA	GG	1940465942
SNP_P1_204230_12510	NW_004516106.1	Scaffold696	12510	AA	CC	1940465943
SNP_P1_204231_12516	NW_004516106.1	Scaffold696	12516	CC	TT	1940465944
SNP_P1_204232_12705	NW_004516106.1	Scaffold696	12705	CC	TT	1940465945

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_204234_12836	NW_004516106.1	Scaffold696	12836	TT	AA	1940465947
SNP_P1_204235_12845	NW_004516106.1	Scaffold696	12845	AA	GG	1940465948
SNP_P1_204236_12875	NW_004516106.1	Scaffold696	12875	TT	CC	1940465949
SNP_P1_204237_12888	NW_004516106.1	Scaffold696	12888	TT	CC	1940465950
SNP_P1_204238_12919	NW_004516106.1	Scaffold696	12919	TT	CC	1940465951
SNP_P1_204239_12982	NW_004516106.1	Scaffold696	12982	AA	GG	1940465952
SNP_P1_204240_13080	NW_004516106.1	Scaffold696	13080	CC	AA	1940465953
SNP_P1_204241_13255	NW_004516106.1	Scaffold696	13255	TT	CC	1940465954
SNP_P1_204242_13395	NW_004516106.1	Scaffold696	13395	GG	TT	1940465955
SNP_P1_204243_13423	NW_004516106.1	Scaffold696	13423	TT	CC	1940465956
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SNP_P1_204245_13557	NW_004516106.1	Scaffold696	13557	TT	CC	1940465958
SNP_P1_204246_13995	NW_004516106.1	Scaffold696	13995	AA	CC	1940465959
SNP_P1_204247_14044	NW_004516106.1	Scaffold696	14044	CC	TT	1940465960
SNP_P1_204248_14054	NW_004516106.1	Scaffold696	14054	AA	CC	1940465961
SNP_P1_204249_19414	NW_004516106.1	Scaffold696	19414	AA	TT	1940465962
SNP_P1_204250_21508	NW_004516106.1	Scaffold696	21508	GG	AA	1940465963
SNP_P1_204251_23404	NW_004516106.1	Scaffold696	23404	TT	CC	1940465964
SNP_P1_204252_24246	NW_004516106.1	Scaffold696	24246	CC	AA	1940465965
SNP_P1_204253_25823	NW_004516106.1	Scaffold696	25823	AA	GG	1940465966
SNP_P1_204254_25839	NW_004516106.1	Scaffold696	25839	GG	TT	1940465967
SNP_P1_204255_25932	NW_004516106.1	Scaffold696	25932	TT	AA	1940465968
SNP_P1_204256_25969	NW_004516106.1	Scaffold696	25969	GG	CC	1940465969
SNP_P1_204257_25983	NW_004516106.1	Scaffold696	25983	AA	TT	1940465970
SNP_P1_204258_26294	NW_004516106.1	Scaffold696	26294	GG	TT	1940465971
SNP_P1_204259_27778	NW_004516106.1	Scaffold696	27778	GG	AA	1940465972
SNP_P1_204260_27799	NW_004516106.1	Scaffold696	27799	GG	CC	1940465973
SNP_P1_204261_27898	NW_004516106.1	Scaffold696	27898	GG	TT	1940465974
SNP_P1_204262_27900	NW_004516106.1	Scaffold696	27900	AA	GG	1940465975
SNP_P1_204263_27901	NW_004516106.1	Scaffold696	27901	GG	TT	1940465976
SNP_P1_204264_28092	NW_004516106.1	Scaffold696	28092	AA	TT	1940465977
SNP_P1_204265_28588	NW_004516106.1	Scaffold696	28588	CC	AA	1940465978
SNP_P1_204266_28725	NW_004516106.1	Scaffold696	28725	GG	TT	1940465979
SNP_P1_204268_29020	NW_004516106.1	Scaffold696	29020	TT	CC	1940465980
SNP_P1_204269_29128	NW_004516106.1	Scaffold696	29128	GG	AA	1940465981
SNP_P1_204270_29172	NW_004516106.1	Scaffold696	29172	AA	GG	1940465982
SNP_P1_204271_29179	NW_004516106.1	Scaffold696	29179	GG	AA	1940465983
SNP_P1_204272_29180	NW_004516106.1	Scaffold696	29180	GG	AA	1940465984
SNP_P1_204273_29186	NW_004516106.1	Scaffold696	29186	GG	AA	1940465985
SNP_P1_204274_32960	NW_004516106.1	Scaffold696	32960	TT	CC	1940465986
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SNP_P1_204276_33055	NW_004516106.1	Scaffold696	33055	AA	GG	1940465988
SNP_P1_204277_33096	NW_004516106.1	Scaffold696	33096	AA	GG	1940465989
SNP_P1_204278_33321	NW_004516106.1	Scaffold696	33321	AA	GG	1940465990
SNP_P1_204279_33463	NW_004516106.1	Scaffold696	33463	GG	AA	1940465991
SNP_P1_204280_33604	NW_004516106.1	Scaffold696	33604	TT	CC	1940465992
SNP_P1_204282_39892	NW_004516106.1	Scaffold696	39892	GG	CC	1940465993
SNP_P1_204283_40087	NW_004516106.1	Scaffold696	40087	TT	CC	1940465994
SNP_P1_204284_40642	NW_004516106.1	Scaffold696	40642	TT	AA	1940465995
SNP_P1_204286_43243	NW_004516106.1	Scaffold696	43243	AA	TT	1940465996
SNP_P1_204287_43310	NW_004516106.1	Scaffold696	43310	TT	CC	1940465997
SNP_P1_204288_43325	NW_004516106.1	Scaffold696	43325	CC	TT	1940465998
SNP_P1_204289_43355	NW_004516106.1	Scaffold696	43355	CC	TT	1940465999
SNP_P1_204290_43439	NW_004516106.1	Scaffold696	43439	GG	TT	1940466000
SNP_P1_204291_43491	NW_004516106.1	Scaffold696	43491	AA	GG	1940466001
SNP_P1_204292_43506	NW_004516106.1	Scaffold696	43506	AA	GG	1940466002
SNP_P1_204293_43546	NW_004516106.1	Scaffold696	43546	TT	CC	1940466003
SNP_P1_204294_43714	NW_004516106.1	Scaffold696	43714	CC	TT	1940466004
SNP_P1_204295_51729	NW_004516106.1	Scaffold696	51729	AA	CC	1940466005
SNP_P1_204296_52232	NW_004516106.1	Scaffold696	52232	TT	CC	1940466006
SNP_P1_204297_52306	NW_004516106.1	Scaffold696	52306	GG	AA	1940466007
SNP_P1_204299_52353	NW_004516106.1	Scaffold696	52353	GG	AA	1940466008
SNP_P1_204300_52376	NW_004516106.1	Scaffold696	52376	CC	TT	1940466009
SNP_P1_204301_53408	NW_004516106.1	Scaffold696	53408	GG	AA	1940466010
SNP_P1_204302_53971	NW_004516106.1	Scaffold696	53971	CC	TT	1940466011
SNP_P1_204303_71547	NW_004516106.1	Scaffold696	71547	TT	CC	1940466012
SNP_P1_204304_71548	NW_004516106.1	Scaffold696	71548	AA	TT	1940466013
SNP_P1_204305_98117	NW_004516106.1	Scaffold696	98117	TT	AA	1940466014
SNP_P1_204306_100358	NW_004516106.1	Scaffold696	100358	TT	GG	1940466015
SNP_P1_204308_179204	NW_004516106.1	Scaffold696	179204	CC	TT	1940466016
SNP_P1_204309_179385	NW_004516106.1	Scaffold696	179385	AA	CC	1940466017
SNP_P1_204310_179605	NW_004516106.1	Scaffold696	179605	TT	CC	1940466018
SNP_P1_204311_179644	NW_004516106.1	Scaffold696	179644	GG	AA	1940466019
SNP_P1_204312_179732	NW_004516106.1	Scaffold696	179732	CC	AA	1940466020
SNP_P1_204313_179737	NW_004516106.1	Scaffold696	179737	GG	AA	1940466021
SNP_P1_204315_1173	NW_004516108.1	Scaffold702	1173	AA	GG	1940466022
SNP_P1_204316_1213	NW_004516108.1	Scaffold702	1213	CC	TT	1940466023
SNP_P1_204317_1259	NW_004516108.1	Scaffold702	1259	TT	CC	1940466024
SNP_P1_204318_7119	NW_004516108.1	Scaffold702	7119	GG	AA	1940466025
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SNP_P1_204320_9371	NW_004516108.1	Scaffold702	9371	TT	CC	1940466027
SNP_P1_204321_9467	NW_004516108.1	Scaffold702	9467	AA	GG	1940466028
SNP_P1_204322_10211	NW_004516108.1	Scaffold702	10211	AA	TT	1940466029

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SNP_P1_204326_15747	NW_004516108.1	Scaffold702	15747	AA	TT	1940466032
SNP_P1_204328_16403	NW_004516108.1	Scaffold702	16403	CC	TT	1940466033
SNP_P1_204329_19284	NW_004516108.1	Scaffold702	19284	TT	CC	1940466034
SNP_P1_204330_19287	NW_004516108.1	Scaffold702	19287	AA	GG	1940466035
SNP_P1_204331_19295	NW_004516108.1	Scaffold702	19295	CC	TT	1940466036
SNP_P1_204332_19300	NW_004516108.1	Scaffold702	19300	TT	CC	1940466037
SNP_P1_204333_19589	NW_004516108.1	Scaffold702	19589	GG	AA	1940466038
SNP_P1_204334_20897	NW_004516108.1	Scaffold702	20897	TT	AA	1940466039
SNP_P1_204336_25112	NW_004516108.1	Scaffold702	25112	AA	GG	1940466040
SNP_P1_204338_30503	NW_004516108.1	Scaffold702	30503	AA	GG	1940466041
SNP_P1_204339_36601	NW_004516108.1	Scaffold702	36601	TT	GG	1940466042
SNP_P1_204340_37257	NW_004516108.1	Scaffold702	37257	GG	AA	1940466043
SNP_P1_204341_41139	NW_004516108.1	Scaffold702	41139	AA	GG	1940466044
SNP_P1_204342_49863	NW_004516108.1	Scaffold702	49863	GG	AA	1940466045
SNP_P1_204344_52987	NW_004516108.1	Scaffold702	52987	AA	GG	1940466046
SNP_P1_204345_52991	NW_004516108.1	Scaffold702	52991	AA	GG	1940466047
SNP_P1_204346_53003	NW_004516108.1	Scaffold702	53003	AA	GG	1940466048
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SNP_P1_204349_60903	NW_004516108.1	Scaffold702	60903	TT	CC	1940466050
SNP_P1_204350_61400	NW_004516108.1	Scaffold702	61400	CC	TT	1940466052
SNP_P1_204351_65824	NW_004516108.1	Scaffold702	65824	TT	GG	1940466053
SNP_P1_204352_66928	NW_004516108.1	Scaffold702	66928	TT	GG	1940466054
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SNP_P1_204357_72340	NW_004516108.1	Scaffold702	72340	TT	CC	1940466058
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SNP_P1_204359_75700	NW_004516108.1	Scaffold702	75700	GG	AA	1940466060
SNP_P1_204360_80772	NW_004516108.1	Scaffold702	80772	CC	TT	1940466061
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SNP_P1_204362_82737	NW_004516108.1	Scaffold702	82737	CC	AA	1940466063
SNP_P1_204364_99706	NW_004516108.1	Scaffold702	99706	TT	CC	1940466064
SNP_P1_204365_99740	NW_004516108.1	Scaffold702	99740	TT	CC	1940466065
SNP_P1_204366_99778	NW_004516108.1	Scaffold702	99778	AA	GG	1940466066
SNP_P1_204367_104840	NW_004516108.1	Scaffold702	104840	GG	AA	1940466067
SNP_P1_204368_105285	NW_004516108.1	Scaffold702	105285	CC	TT	1940466068
SNP_P1_204369_105990	NW_004516108.1	Scaffold702	105990	AA	GG	1940466069
SNP_P1_204370_105993	NW_004516108.1	Scaffold702	105993	TT	GG	1940466070
SNP_P1_204371_106338	NW_004516108.1	Scaffold702	106338	TT	GG	1940466071
SNP_P1_204373_107956	NW_004516108.1	Scaffold702	107956	TT	CC	1940466072

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204374_111054	NW_004516108.1	Scaffold702	111054	CC	TT	1940466073
SNP_P1_204375_111729	NW_004516108.1	Scaffold702	111729	TT	GG	1940466074
SNP_P1_204377_114532	NW_004516108.1	Scaffold702	114532	TT	GG	1940466075
SNP_P1_204378_114803	NW_004516108.1	Scaffold702	114803	TT	CC	1940466076
SNP_P1_204380_117940	NW_004516108.1	Scaffold702	117940	GG	AA	1940466077
SNP_P1_204381_122018	NW_004516108.1	Scaffold702	122018	AA	GG	1940466078
SNP_P1_204382_124789	NW_004516108.1	Scaffold702	124789	AA	CC	1940466079
SNP_P1_204383_126806	NW_004516108.1	Scaffold702	126806	GG	AA	1940466080
SNP_P1_204384_127080	NW_004516108.1	Scaffold702	127080	AA	GG	1940466081
SNP_P1_204385_130242	NW_004516108.1	Scaffold702	130242	AA	TT	1940466082
SNP_P1_204386_133251	NW_004516108.1	Scaffold702	133251	GG	TT	1940466083
SNP_P1_204387_133550	NW_004516108.1	Scaffold702	133550	TT	CC	1940466084
SNP_P1_204388_134607	NW_004516108.1	Scaffold702	134607	TT	CC	1940466085
SNP_P1_204389_135093	NW_004516108.1	Scaffold702	135093	CC	AA	1940466086
SNP_P1_204390_135520	NW_004516108.1	Scaffold702	135520	TT	CC	1940466087
SNP_P1_204391_139436	NW_004516108.1	Scaffold702	139436	GG	CC	1940466088
SNP_P1_204392_141718	NW_004516108.1	Scaffold702	141718	AA	GG	1940466089
SNP_P1_204393_149895	NW_004516108.1	Scaffold702	149895	GG	AA	1940466090
SNP_P1_204394_150186	NW_004516108.1	Scaffold702	150186	TT	CC	1940466091
SNP_P1_204395_150260	NW_004516108.1	Scaffold702	150260	TT	AA	1940466092
SNP_P1_204396_150468	NW_004516108.1	Scaffold702	150468	TT	CC	1940466093
SNP_P1_204397_153109	NW_004516108.1	Scaffold702	153109	TT	CC	1940466094
SNP_P1_204398_153292	NW_004516108.1	Scaffold702	153292	CC	GG	1940466095
SNP_P1_204402_154709	NW_004516108.1	Scaffold702	154709	CC	AA	1940466096
SNP_P1_204404_162879	NW_004516108.1	Scaffold702	162879	AA	GG	1940466097
SNP_P1_204405_164420	NW_004516108.1	Scaffold702	164420	TT	AA	1940466098
SNP_P1_204406_164439	NW_004516108.1	Scaffold702	164439	GG	TT	1940466099
SNP_P1_204407_169813	NW_004516108.1	Scaffold702	169813	CC	TT	1940466100
SNP_P1_204408_171244	NW_004516108.1	Scaffold702	171244	AA	GG	1940466101
SNP_P1_204410_174457	NW_004516108.1	Scaffold702	174457	AA	GG	1940466102
SNP_P1_204411_177182	NW_004516108.1	Scaffold702	177182	TT	GG	1940466103
SNP_P1_204412_178382	NW_004516108.1	Scaffold702	178382	AA	GG	1940466104
SNP_P1_204413_182410	NW_004516108.1	Scaffold702	182410	TT	GG	1940466105
SNP_P1_204415_185113	NW_004516108.1	Scaffold702	185113	CC	AA	1940466106
SNP_P1_204417_186972	NW_004516108.1	Scaffold702	186972	AA	TT	1940466107
SNP_P1_204418_187836	NW_004516108.1	Scaffold702	187836	CC	TT	1940466108
SNP_P1_204419_190441	NW_004516108.1	Scaffold702	190441	TT	AA	1940466109
SNP_P1_204420_190570	NW_004516108.1	Scaffold702	190570	TT	GG	1940466110
SNP_P1_204421_193356	NW_004516108.1	Scaffold702	193356	AA	GG	1940466111
SNP_P1_204422_193446	NW_004516108.1	Scaffold702	193446	GG	CC	1940466112
SNP_P1_204423_193701	NW_004516108.1	Scaffold702	193701	GG	AA	1940466113
SNP_P1_204424_194038	NW_004516108.1	Scaffold702	194038	AA	GG	1940466114

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204425_194387	NW_004516108.1	Scaffold702	194387	GG	AA	1940466115
SNP_P1_204426_194451	NW_004516108.1	Scaffold702	194451	AA	TT	1940466116
SNP_P1_204427_194456	NW_004516108.1	Scaffold702	194456	AA	TT	1940466117
SNP_P1_204428_199688	NW_004516108.1	Scaffold702	199688	CC	AA	1940466118
SNP_P1_204429_202917	NW_004516108.1	Scaffold702	202917	GG	AA	1940466119
SNP_P1_204430_203682	NW_004516108.1	Scaffold702	203682	CC	AA	1940466120
SNP_P1_204431_205479	NW_004516108.1	Scaffold702	205479	AA	CC	1940466121
SNP_P1_204432_205923	NW_004516108.1	Scaffold702	205923	CC	AA	1940466122
SNP_P1_204433_206342	NW_004516108.1	Scaffold702	206342	AA	CC	1940466123
SNP_P1_204434_208661	NW_004516108.1	Scaffold702	208661	AA	GG	1940466124
SNP_P1_204435_208798	NW_004516108.1	Scaffold702	208798	GG	AA	1940466125
SNP_P1_204436_213667	NW_004516108.1	Scaffold702	213667	AA	CC	1940466126
SNP_P1_204438_216573	NW_004516108.1	Scaffold702	216573	TT	CC	1940466127
SNP_P1_204439_217198	NW_004516108.1	Scaffold702	217198	GG	AA	1940466128
SNP_P1_204440_217687	NW_004516108.1	Scaffold702	217687	CC	TT	1940466129
SNP_P1_204441_217722	NW_004516108.1	Scaffold702	217722	CC	TT	1940466130
SNP_P1_204442_217951	NW_004516108.1	Scaffold702	217951	AA	GG	1940466131
SNP_P1_204443_217976	NW_004516108.1	Scaffold702	217976	AA	TT	1940466132
SNP_P1_204444_217996	NW_004516108.1	Scaffold702	217996	CC	TT	1940466133
SNP_P1_204445_219037	NW_004516108.1	Scaffold702	219037	CC	GG	1940466134
SNP_P1_204446_219039	NW_004516108.1	Scaffold702	219039	TT	CC	1940466135
SNP_P1_204447_219042	NW_004516108.1	Scaffold702	219042	CC	GG	1940466136
SNP_P1_204448_219078	NW_004516108.1	Scaffold702	219078	TT	GG	1940466137
SNP_P1_204449_219388	NW_004516108.1	Scaffold702	219388	CC	TT	1940466138
SNP_P1_204450_219448	NW_004516108.1	Scaffold702	219448	AA	GG	1940466139
SNP_P1_204451_219454	NW_004516108.1	Scaffold702	219454	AA	GG	1940466140
SNP_P1_204453_224073	NW_004516108.1	Scaffold702	224073	CC	TT	1940466141
SNP_P1_204455_226215	NW_004516108.1	Scaffold702	226215	TT	CC	1940466142
SNP_P1_204456_228785	NW_004516108.1	Scaffold702	228785	GG	AA	1940466143
SNP_P1_204457_228818	NW_004516108.1	Scaffold702	228818	GG	TT	1940466144
SNP_P1_204458_231218	NW_004516108.1	Scaffold702	231218	CC	TT	1940466145
SNP_P1_204459_233573	NW_004516108.1	Scaffold702	233573	AA	GG	1940466146
SNP_P1_204460_239658	NW_004516108.1	Scaffold702	239658	AA	GG	1940466147
SNP_P1_204461_240085	NW_004516108.1	Scaffold702	240085	GG	AA	1940466148
SNP_P1_204462_244795	NW_004516108.1	Scaffold702	244795	TT	CC	1940466149
SNP_P1_204463_244815	NW_004516108.1	Scaffold702	244815	TT	CC	1940466150
SNP_P1_204465_248478	NW_004516108.1	Scaffold702	248478	AA	CC	1940466151
SNP_P1_204466_248554	NW_004516108.1	Scaffold702	248554	CC	TT	1940466152
SNP_P1_204467_248954	NW_004516108.1	Scaffold702	248954	GG	AA	1940466153
SNP_P1_204468_249683	NW_004516108.1	Scaffold702	249683	AA	GG	1940466154
SNP_P1_204469_250431	NW_004516108.1	Scaffold702	250431	GG	AA	1940466155
SNP_P1_204470_250532	NW_004516108.1	Scaffold702	250532	AA	GG	1940466156

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204471_253830	NW_004516108.1	Scaffold702	253830	CC	TT	1940466157
SNP_P1_204472_254059	NW_004516108.1	Scaffold702	254059	AA	TT	1940466158
SNP_P1_204473_254209	NW_004516108.1	Scaffold702	254209	AA	GG	1940466159
SNP_P1_204474_254221	NW_004516108.1	Scaffold702	254221	AA	GG	1940466160
SNP_P1_204476_255305	NW_004516108.1	Scaffold702	255305	CC	TT	1940466161
SNP_P1_204477_255400	NW_004516108.1	Scaffold702	255400	GG	AA	1940466162
SNP_P1_204478_255406	NW_004516108.1	Scaffold702	255406	GG	AA	1940466163
SNP_P1_204480_255920	NW_004516108.1	Scaffold702	255920	GG	AA	1940466164
SNP_P1_204481_256365	NW_004516108.1	Scaffold702	256365	TT	AA	1940466165
SNP_P1_204482_258298	NW_004516108.1	Scaffold702	258298	GG	CC	1940466166
SNP_P1_204483_258436	NW_004516108.1	Scaffold702	258436	CC	AA	1940466167
SNP_P1_204484_258620	NW_004516108.1	Scaffold702	258620	GG	AA	1940466168
SNP_P1_204485_259298	NW_004516108.1	Scaffold702	259298	CC	AA	1940466169
SNP_P1_204486_259302	NW_004516108.1	Scaffold702	259302	TT	GG	1940466170
SNP_P1_204487_262053	NW_004516108.1	Scaffold702	262053	GG	TT	1940466171
SNP_P1_204488_262119	NW_004516108.1	Scaffold702	262119	CC	AA	1940466172
SNP_P1_204489_262381	NW_004516108.1	Scaffold702	262381	TT	AA	1940466173
SNP_P1_204490_262430	NW_004516108.1	Scaffold702	262430	CC	TT	1940466174
SNP_P1_204491_262432	NW_004516108.1	Scaffold702	262432	TT	AA	1940466175
SNP_P1_204492_262463	NW_004516108.1	Scaffold702	262463	TT	GG	1940466176
SNP_P1_204493_262487	NW_004516108.1	Scaffold702	262487	CC	TT	1940466177
SNP_P1_204494_262563	NW_004516108.1	Scaffold702	262563	AA	CC	1940466178
SNP_P1_204495_262749	NW_004516108.1	Scaffold702	262749	AA	GG	1940466179
SNP_P1_204496_262771	NW_004516108.1	Scaffold702	262771	CC	TT	1940466180
SNP_P1_204497_262775	NW_004516108.1	Scaffold702	262775	AA	GG	1940466181
SNP_P1_204498_262837	NW_004516108.1	Scaffold702	262837	TT	CC	1940466182
SNP_P1_204499_262880	NW_004516108.1	Scaffold702	262880	AA	TT	1940466183
SNP_P1_204500_262892	NW_004516108.1	Scaffold702	262892	GG	AA	1940466184
SNP_P1_204501_262899	NW_004516108.1	Scaffold702	262899	AA	TT	1940466185
SNP_P1_204502_262975	NW_004516108.1	Scaffold702	262975	TT	GG	1940466186
SNP_P1_204503_263028	NW_004516108.1	Scaffold702	263028	TT	AA	1940466187
SNP_P1_204504_263031	NW_004516108.1	Scaffold702	263031	CC	TT	1940466188
SNP_P1_204505_263052	NW_004516108.1	Scaffold702	263052	AA	TT	1940466189
SNP_P1_204506_263063	NW_004516108.1	Scaffold702	263063	TT	CC	1940466190
SNP_P1_204507_263087	NW_004516108.1	Scaffold702	263087	AA	CC	1940466191
SNP_P1_204508_263134	NW_004516108.1	Scaffold702	263134	GG	AA	1940466192
SNP_P1_204509_263170	NW_004516108.1	Scaffold702	263170	CC	TT	1940466193
SNP_P1_204510_263516	NW_004516108.1	Scaffold702	263516	AA	GG	1940466194
SNP_P1_204511_263701	NW_004516108.1	Scaffold702	263701	TT	CC	1940466195
SNP_P1_204512_263745	NW_004516108.1	Scaffold702	263745	AA	GG	1940466196
SNP_P1_204513_263807	NW_004516108.1	Scaffold702	263807	AA	CC	1940466197
SNP_P1_204514_263925	NW_004516108.1	Scaffold702	263925	CC	AA	1940466198

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SNP_P1_204516_264119	NW_004516108.1	Scaffold702	264119	TT	GG	1940466199
SNP_P1_204517_264187	NW_004516108.1	Scaffold702	264187	GG	CC	1940466200
SNP_P1_204518_266956	NW_004516108.1	Scaffold702	266956	AA	TT	1940466201
SNP_P1_204519_270500	NW_004516108.1	Scaffold702	270500	AA	GG	1940466202
SNP_P1_204520_271593	NW_004516108.1	Scaffold702	271593	TT	AA	1940466203
SNP_P1_204522_272214	NW_004516108.1	Scaffold702	272214	TT	GG	1940466204
SNP_P1_204523_272959	NW_004516108.1	Scaffold702	272959	GG	TT	1940466205
SNP_P1_204525_273213	NW_004516108.1	Scaffold702	273213	AA	TT	1940466206
SNP_P1_204526_273813	NW_004516108.1	Scaffold702	273813	AA	GG	1940466207
SNP_P1_204527_275041	NW_004516108.1	Scaffold702	275041	GG	AA	1940466208
SNP_P1_204529_276802	NW_004516108.1	Scaffold702	276802	TT	AA	1940466209
SNP_P1_204530_277655	NW_004516108.1	Scaffold702	277655	GG	AA	1940466210
SNP_P1_204531_278427	NW_004516108.1	Scaffold702	278427	GG	AA	1940466211
SNP_P1_204532_278590	NW_004516108.1	Scaffold702	278590	AA	TT	1940466212
SNP_P1_204533_278955	NW_004516108.1	Scaffold702	278955	GG	AA	1940466213
SNP_P1_204534_279780	NW_004516108.1	Scaffold702	279780	CC	AA	1940466215
SNP_P1_204535_279852	NW_004516108.1	Scaffold702	279852	GG	AA	1940466216
SNP_P1_204536_280287	NW_004516108.1	Scaffold702	280287	TT	CC	1940466217
SNP_P1_204537_280308	NW_004516108.1	Scaffold702	280308	CC	AA	1940466218
SNP_P1_204538_280369	NW_004516108.1	Scaffold702	280369	AA	CC	1940466219
SNP_P1_204540_281104	NW_004516108.1	Scaffold702	281104	GG	TT	1940466220
SNP_P1_204541_281561	NW_004516108.1	Scaffold702	281561	AA	GG	1940466221
SNP_P1_204542_281869	NW_004516108.1	Scaffold702	281869	TT	AA	1940466222
SNP_P1_204543_283940	NW_004516108.1	Scaffold702	283940	AA	GG	1940466223
SNP_P1_204544_284382	NW_004516108.1	Scaffold702	284382	CC	GG	1940466224
SNP_P1_204545_284444	NW_004516108.1	Scaffold702	284444	GG	AA	1940466225
SNP_P1_204546_288180	NW_004516108.1	Scaffold702	288180	GG	TT	1940466226
SNP_P1_204547_290052	NW_004516108.1	Scaffold702	290052	TT	GG	1940466227
SNP_P1_204548_290679	NW_004516108.1	Scaffold702	290679	GG	AA	1940466228
SNP_P1_204549_290997	NW_004516108.1	Scaffold702	290997	TT	GG	1940466229
SNP_P1_204550_291993	NW_004516108.1	Scaffold702	291993	CC	AA	1940466230
SNP_P1_204551_294146	NW_004516108.1	Scaffold702	294146	GG	TT	1940466231
SNP_P1_204552_294312	NW_004516108.1	Scaffold702	294312	GG	AA	1940466232
SNP_P1_204553_300583	NW_004516108.1	Scaffold702	300583	AA	TT	1940466233
SNP_P1_204554_301631	NW_004516108.1	Scaffold702	301631	CC	AA	1940466234
SNP_P1_204555_301740	NW_004516108.1	Scaffold702	301740	CC	TT	1940466235
SNP_P1_204556_303324	NW_004516108.1	Scaffold702	303324	CC	TT	1940466236
SNP_P1_204557_303615	NW_004516108.1	Scaffold702	303615	CC	GG	1940466237
SNP_P1_204558_591	NW_004516109.1	Scaffold705	591	CC	TT	1940466238
SNP_P1_204559_2925	NW_004516109.1	Scaffold705	2925	GG	AA	1940466239
SNP_P1_204560_3422	NW_004516109.1	Scaffold705	3422	AA	GG	1940466240
SNP_P1_204561_5204	NW_004516109.1	Scaffold705	5204	CC	GG	1940466241

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SNP_P1_204562_5520	NW_004516109.1	Scaffold705	5520	CC	TT	1940466242
SNP_P1_204563_5538	NW_004516109.1	Scaffold705	5538	AA	TT	1940466243
SNP_P1_204564_6325	NW_004516109.1	Scaffold705	6325	TT	CC	1940466244
SNP_P1_204565_6413	NW_004516109.1	Scaffold705	6413	AA	TT	1940466245
SNP_P1_204566_6417	NW_004516109.1	Scaffold705	6417	TT	AA	1940466246
SNP_P1_204567_6496	NW_004516109.1	Scaffold705	6496	TT	CC	1940466247
SNP_P1_204568_11516	NW_004516109.1	Scaffold705	11516	CC	TT	1940466248
SNP_P1_204569_11782	NW_004516109.1	Scaffold705	11782	TT	CC	1940466249
SNP_P1_204570_12433	NW_004516109.1	Scaffold705	12433	CC	AA	1940466250
SNP_P1_204571_12445	NW_004516109.1	Scaffold705	12445	AA	TT	1940466251
SNP_P1_204572_12761	NW_004516109.1	Scaffold705	12761	AA	TT	1940466252
SNP_P1_204573_12833	NW_004516109.1	Scaffold705	12833	GG	AA	1940466253
SNP_P1_204574_12893	NW_004516109.1	Scaffold705	12893	TT	AA	1940466254
SNP_P1_204575_12900	NW_004516109.1	Scaffold705	12900	AA	GG	1940466255
SNP_P1_204577_13192	NW_004516109.1	Scaffold705	13192	CC	TT	1940466256
SNP_P1_204578_13639	NW_004516109.1	Scaffold705	13639	AA	TT	1940466257
SNP_P1_204579_13767	NW_004516109.1	Scaffold705	13767	AA	GG	1940466258
SNP_P1_204580_13800	NW_004516109.1	Scaffold705	13800	TT	AA	1940466259
SNP_P1_204581_13907	NW_004516109.1	Scaffold705	13907	AA	GG	1940466260
SNP_P1_204582_13926	NW_004516109.1	Scaffold705	13926	AA	CC	1940466261
SNP_P1_204583_13992	NW_004516109.1	Scaffold705	13992	CC	AA	1940466262
SNP_P1_204584_15127	NW_004516109.1	Scaffold705	15127	CC	AA	1940466263
SNP_P1_204585_15434	NW_004516109.1	Scaffold705	15434	CC	TT	1940466264
SNP_P1_204586_16147	NW_004516109.1	Scaffold705	16147	AA	GG	1940466265
SNP_P1_204587_16156	NW_004516109.1	Scaffold705	16156	GG	TT	1940466266
SNP_P1_204588_16173	NW_004516109.1	Scaffold705	16173	TT	CC	1940466267
SNP_P1_204589_16265	NW_004516109.1	Scaffold705	16265	CC	TT	1940466268
SNP_P1_204590_16308	NW_004516109.1	Scaffold705	16308	TT	CC	1940466269
SNP_P1_204591_16476	NW_004516109.1	Scaffold705	16476	CC	GG	1940466270
SNP_P1_204592_16516	NW_004516109.1	Scaffold705	16516	CC	GG	1940466271
SNP_P1_204593_16586	NW_004516109.1	Scaffold705	16586	GG	TT	1940466272
SNP_P1_204594_16625	NW_004516109.1	Scaffold705	16625	CC	TT	1940466273
SNP_P1_204595_16627	NW_004516109.1	Scaffold705	16627	CC	TT	1940466274
SNP_P1_204596_16630	NW_004516109.1	Scaffold705	16630	CC	TT	1940466275
SNP_P1_204597_16655	NW_004516109.1	Scaffold705	16655	GG	AA	1940466276
SNP_P1_204598_16745	NW_004516109.1	Scaffold705	16745	CC	AA	1940466277
SNP_P1_204599_16761	NW_004516109.1	Scaffold705	16761	GG	AA	1940466278
SNP_P1_204600_16775	NW_004516109.1	Scaffold705	16775	GG	TT	1940466279
SNP_P1_204601_16845	NW_004516109.1	Scaffold705	16845	GG	CC	1940466280
SNP_P1_204602_16860	NW_004516109.1	Scaffold705	16860	TT	CC	1940466281
SNP_P1_204603_16891	NW_004516109.1	Scaffold705	16891	GG	TT	1940466282
SNP_P1_204605_17218	NW_004516109.1	Scaffold705	17218	GG	AA	1940466283

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204606_19111	NW_004516109.1	Scaffold705	19111	CC	TT	1940466284
SNP_P1_204607_19337	NW_004516109.1	Scaffold705	19337	AA	GG	1940466285
SNP_P1_204608_19339	NW_004516109.1	Scaffold705	19339	CC	AA	1940466286
SNP_P1_204609_19381	NW_004516109.1	Scaffold705	19381	AA	GG	1940466287
SNP_P1_204610_20344	NW_004516109.1	Scaffold705	20344	GG	AA	1940466288
SNP_P1_204611_20351	NW_004516109.1	Scaffold705	20351	GG	AA	1940466289
SNP_P1_204612_25152	NW_004516109.1	Scaffold705	25152	GG	AA	1940466290
SNP_P1_204613_25174	NW_004516109.1	Scaffold705	25174	AA	GG	1940466291
SNP_P1_204614_25180	NW_004516109.1	Scaffold705	25180	CC	AA	1940466292
SNP_P1_204615_25247	NW_004516109.1	Scaffold705	25247	GG	AA	1940466293
SNP_P1_204616_25257	NW_004516109.1	Scaffold705	25257	AA	TT	1940466294
SNP_P1_204617_25263	NW_004516109.1	Scaffold705	25263	CC	GG	1940466295
SNP_P1_204618_25270	NW_004516109.1	Scaffold705	25270	CC	GG	1940466296
SNP_P1_204619_25274	NW_004516109.1	Scaffold705	25274	CC	GG	1940466297
SNP_P1_204620_25335	NW_004516109.1	Scaffold705	25335	GG	AA	1940466298
SNP_P1_204621_25336	NW_004516109.1	Scaffold705	25336	CC	TT	1940466299
SNP_P1_204622_25377	NW_004516109.1	Scaffold705	25377	CC	TT	1940466300
SNP_P1_204623_25547	NW_004516109.1	Scaffold705	25547	CC	TT	1940466301
SNP_P1_204624_25556	NW_004516109.1	Scaffold705	25556	TT	CC	1940466302
SNP_P1_204625_25589	NW_004516109.1	Scaffold705	25589	TT	GG	1940466303
SNP_P1_204626_25596	NW_004516109.1	Scaffold705	25596	GG	TT	1940466304
SNP_P1_204627_25746	NW_004516109.1	Scaffold705	25746	AA	GG	1940466305
SNP_P1_204628_25841	NW_004516109.1	Scaffold705	25841	TT	AA	1940466306
SNP_P1_204629_25882	NW_004516109.1	Scaffold705	25882	GG	TT	1940466307
SNP_P1_204630_25973	NW_004516109.1	Scaffold705	25973	TT	CC	1940466308
SNP_P1_204631_29648	NW_004516109.1	Scaffold705	29648	GG	CC	1940466309
SNP_P1_204632_29671	NW_004516109.1	Scaffold705	29671	AA	GG	1940466310
SNP_P1_204633_29680	NW_004516109.1	Scaffold705	29680	CC	TT	1940466311
SNP_P1_204634_29900	NW_004516109.1	Scaffold705	29900	TT	AA	1940466312
SNP_P1_204635_29957	NW_004516109.1	Scaffold705	29957	GG	AA	1940466313
SNP_P1_204636_30307	NW_004516109.1	Scaffold705	30307	AA	GG	1940466314
SNP_P1_204637_30456	NW_004516109.1	Scaffold705	30456	CC	TT	1940466315
SNP_P1_204638_30556	NW_004516109.1	Scaffold705	30556	CC	TT	1940466316
SNP_P1_204640_30634	NW_004516109.1	Scaffold705	30634	TT	GG	1940466317
SNP_P1_204641_31103	NW_004516109.1	Scaffold705	31103	AA	CC	1940466318
SNP_P1_204642_32714	NW_004516109.1	Scaffold705	32714	AA	TT	1940466319
SNP_P1_204643_32761	NW_004516109.1	Scaffold705	32761	AA	GG	1940466320
SNP_P1_204645_33646	NW_004516109.1	Scaffold705	33646	AA	TT	1940466321
SNP_P1_204646_33886	NW_004516109.1	Scaffold705	33886	TT	CC	1940466322
SNP_P1_204647_34316	NW_004516109.1	Scaffold705	34316	TT	CC	1940466323
SNP_P1_204648_34371	NW_004516109.1	Scaffold705	34371	AA	TT	1940466324
SNP_P1_204649_34448	NW_004516109.1	Scaffold705	34448	CC	GG	1940466325

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_204652_34836	NW_004516109.1	Scaffold705	34836	GG	AA	1940466327
SNP_P1_204653_34884	NW_004516109.1	Scaffold705	34884	GG	AA	1940466328
SNP_P1_204654_34901	NW_004516109.1	Scaffold705	34901	AA	TT	1940466329
SNP_P1_204655_34929	NW_004516109.1	Scaffold705	34929	CC	AA	1940466330
SNP_P1_204656_34980	NW_004516109.1	Scaffold705	34980	CC	TT	1940466331
SNP_P1_204657_34996	NW_004516109.1	Scaffold705	34996	AA	CC	1940466332
SNP_P1_204658_34999	NW_004516109.1	Scaffold705	34999	TT	CC	1940466333
SNP_P1_204659_35020	NW_004516109.1	Scaffold705	35020	TT	CC	1940466334
SNP_P1_204660_35099	NW_004516109.1	Scaffold705	35099	TT	AA	1940466335
SNP_P1_204661_35197	NW_004516109.1	Scaffold705	35197	AA	CC	1940466336
SNP_P1_204662_35431	NW_004516109.1	Scaffold705	35431	GG	AA	1940466337
SNP_P1_204663_37864	NW_004516109.1	Scaffold705	37864	TT	CC	1940466338
SNP_P1_204664_44369	NW_004516109.1	Scaffold705	44369	GG	AA	1940466339
SNP_P1_204665_44418	NW_004516109.1	Scaffold705	44418	AA	CC	1940466340
SNP_P1_204666_44631	NW_004516109.1	Scaffold705	44631	GG	AA	1940466341
SNP_P1_204667_44697	NW_004516109.1	Scaffold705	44697	TT	GG	1940466342
SNP_P1_204668_45154	NW_004516109.1	Scaffold705	45154	TT	AA	1940466343
SNP_P1_204670_45283	NW_004516109.1	Scaffold705	45283	GG	AA	1940466344
SNP_P1_204671_45332	NW_004516109.1	Scaffold705	45332	CC	TT	1940466345
SNP_P1_204672_45350	NW_004516109.1	Scaffold705	45350	AA	GG	1940466346
SNP_P1_204673_45368	NW_004516109.1	Scaffold705	45368	AA	TT	1940466347
SNP_P1_204674_45474	NW_004516109.1	Scaffold705	45474	CC	AA	1940466348
SNP_P1_204675_45546	NW_004516109.1	Scaffold705	45546	GG	AA	1940466349
SNP_P1_204676_45746	NW_004516109.1	Scaffold705	45746	GG	AA	1940466350
SNP_P1_204677_45900	NW_004516109.1	Scaffold705	45900	AA	GG	1940466351
SNP_P1_204678_45901	NW_004516109.1	Scaffold705	45901	GG	AA	1940466352
SNP_P1_204679_46603	NW_004516109.1	Scaffold705	46603	CC	TT	1940466353
SNP_P1_204680_47958	NW_004516109.1	Scaffold705	47958	GG	TT	1940466354
SNP_P1_204681_48092	NW_004516109.1	Scaffold705	48092	CC	TT	1940466355
SNP_P1_204682_48313	NW_004516109.1	Scaffold705	48313	TT	GG	1940466356
SNP_P1_204683_49530	NW_004516109.1	Scaffold705	49530	AA	TT	1940466357
SNP_P1_204684_49531	NW_004516109.1	Scaffold705	49531	TT	CC	1940466358
SNP_P1_204685_50018	NW_004516109.1	Scaffold705	50018	AA	GG	1940466359
SNP_P1_204686_50500	NW_004516109.1	Scaffold705	50500	GG	AA	1940466360
SNP_P1_204687_55964	NW_004516109.1	Scaffold705	55964	GG	TT	1940466361
SNP_P1_204688_56034	NW_004516109.1	Scaffold705	56034	AA	GG	1940466362
SNP_P1_204689_56111	NW_004516109.1	Scaffold705	56111	CC	TT	1940466363
SNP_P1_204690_56154	NW_004516109.1	Scaffold705	56154	CC	TT	1940466364
SNP_P1_204691_56155	NW_004516109.1	Scaffold705	56155	TT	AA	1940466365
SNP_P1_204692_56256	NW_004516109.1	Scaffold705	56256	AA	TT	1940466366
SNP_P1_204693_56262	NW_004516109.1	Scaffold705	56262	CC	AA	1940466367

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204694_56568	NW_004516109.1	Scaffold705	56568	GG	AA	1940466368
SNP_P1_204695_56619	NW_004516109.1	Scaffold705	56619	AA	TT	1940466369
SNP_P1_204696_56997	NW_004516109.1	Scaffold705	56997	AA	CC	1940466371
SNP_P1_204697_57325	NW_004516109.1	Scaffold705	57325	GG	TT	1940466372
SNP_P1_204698_57330	NW_004516109.1	Scaffold705	57330	TT	GG	1940466373
SNP_P1_204699_57367	NW_004516109.1	Scaffold705	57367	TT	AA	1940466374
SNP_P1_204700_57424	NW_004516109.1	Scaffold705	57424	AA	GG	1940466375
SNP_P1_204701_57454	NW_004516109.1	Scaffold705	57454	AA	GG	1940466376
SNP_P1_204702_59933	NW_004516109.1	Scaffold705	59933	TT	CC	1940466377
SNP_P1_204703_59962	NW_004516109.1	Scaffold705	59962	CC	AA	1940466378
SNP_P1_204704_64956	NW_004516109.1	Scaffold705	64956	CC	TT	1940466379
SNP_P1_204705_64958	NW_004516109.1	Scaffold705	64958	CC	AA	1940466380
SNP_P1_204706_65152	NW_004516109.1	Scaffold705	65152	GG	AA	1940466381
SNP_P1_204707_773	NW_004516110.1	Scaffold707	773	AA	GG	1940466382
SNP_P1_204708_1002	NW_004516110.1	Scaffold707	1002	GG	AA	1940466383
SNP_P1_204709_1502	NW_004516110.1	Scaffold707	1502	AA	GG	1940466384
SNP_P1_204710_5120	NW_004516110.1	Scaffold707	5120	GG	AA	1940466385
SNP_P1_204711_5393	NW_004516110.1	Scaffold707	5393	TT	CC	1940466386
SNP_P1_204712_5482	NW_004516110.1	Scaffold707	5482	CC	TT	1940466387
SNP_P1_204713_5500	NW_004516110.1	Scaffold707	5500	CC	TT	1940466388
SNP_P1_204714_5550	NW_004516110.1	Scaffold707	5550	AA	GG	1940466389
SNP_P1_204715_5581	NW_004516110.1	Scaffold707	5581	AA	GG	1940466390
SNP_P1_204716_10654	NW_004516110.1	Scaffold707	10654	AA	TT	1940466391
SNP_P1_204717_10694	NW_004516110.1	Scaffold707	10694	TT	CC	1940466392
SNP_P1_204718_10712	NW_004516110.1	Scaffold707	10712	TT	AA	1940466393
SNP_P1_204719_15730	NW_004516110.1	Scaffold707	15730	GG	AA	1940466394
SNP_P1_204720_15762	NW_004516110.1	Scaffold707	15762	GG	TT	1940466395
SNP_P1_204721_18092	NW_004516110.1	Scaffold707	18092	TT	CC	1940466396
SNP_P1_204722_19152	NW_004516110.1	Scaffold707	19152	AA	CC	1940466397
SNP_P1_204723_24736	NW_004516110.1	Scaffold707	24736	CC	AA	1940466398
SNP_P1_204724_24757	NW_004516110.1	Scaffold707	24757	GG	CC	1940466399
SNP_P1_204725_24853	NW_004516110.1	Scaffold707	24853	TT	CC	1940466400
SNP_P1_204726_24999	NW_004516110.1	Scaffold707	24999	TT	GG	1940466401
SNP_P1_204727_25205	NW_004516110.1	Scaffold707	25205	AA	GG	1940466402
SNP_P1_204728_25211	NW_004516110.1	Scaffold707	25211	TT	CC	1940466403
SNP_P1_204729_25233	NW_004516110.1	Scaffold707	25233	TT	AA	1940466404
SNP_P1_204730_25289	NW_004516110.1	Scaffold707	25289	TT	CC	1940466405
SNP_P1_204732_25365	NW_004516110.1	Scaffold707	25365	TT	GG	1940466406
SNP_P1_204733_25877	NW_004516110.1	Scaffold707	25877	AA	TT	1940466407
SNP_P1_204734_25881	NW_004516110.1	Scaffold707	25881	TT	GG	1940466408
SNP_P1_204735_28070	NW_004516110.1	Scaffold707	28070	GG	AA	1940466409
SNP_P1_204736_28127	NW_004516110.1	Scaffold707	28127	AA	GG	1940466410

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SNP_P1_204738_29676	NW_004516110.1	Scaffold707	29676	TT	CC	1940466412
SNP_P1_204739_29703	NW_004516110.1	Scaffold707	29703	TT	GG	1940466413
SNP_P1_204740_29739	NW_004516110.1	Scaffold707	29739	GG	AA	1940466414
SNP_P1_204741_29805	NW_004516110.1	Scaffold707	29805	GG	AA	1940466415
SNP_P1_204742_29945	NW_004516110.1	Scaffold707	29945	GG	AA	1940466416
SNP_P1_204743_30047	NW_004516110.1	Scaffold707	30047	CC	TT	1940466417
SNP_P1_204744_35958	NW_004516110.1	Scaffold707	35958	AA	CC	1940466418
SNP_P1_204745_43910	NW_004516110.1	Scaffold707	43910	CC	AA	1940466419
SNP_P1_204746_49030	NW_004516110.1	Scaffold707	49030	AA	TT	1940466420
SNP_P1_204747_49193	NW_004516110.1	Scaffold707	49193	CC	TT	1940466421
SNP_P1_204748_49371	NW_004516110.1	Scaffold707	49371	AA	GG	1940466422
SNP_P1_204750_51406	NW_004516110.1	Scaffold707	51406	AA	CC	1940466423
SNP_P1_204751_51950	NW_004516110.1	Scaffold707	51950	GG	AA	1940466424
SNP_P1_204752_53272	NW_004516110.1	Scaffold707	53272	TT	CC	1940466425
SNP_P1_204753_53447	NW_004516110.1	Scaffold707	53447	CC	TT	1940466426
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SNP_P1_204755_55126	NW_004516110.1	Scaffold707	55126	TT	CC	1940466428
SNP_P1_204756_55519	NW_004516110.1	Scaffold707	55519	CC	TT	1940466429
SNP_P1_204757_55534	NW_004516110.1	Scaffold707	55534	TT	GG	1940466430
SNP_P1_204758_55550	NW_004516110.1	Scaffold707	55550	AA	CC	1940466431
SNP_P1_204759_55580	NW_004516110.1	Scaffold707	55580	AA	GG	1940466432
SNP_P1_204760_59437	NW_004516110.1	Scaffold707	59437	CC	TT	1940466433
SNP_P1_204761_61017	NW_004516110.1	Scaffold707	61017	TT	AA	1940466434
SNP_P1_204763_61697	NW_004516110.1	Scaffold707	61697	GG	AA	1940466435
SNP_P1_204764_61925	NW_004516110.1	Scaffold707	61925	TT	CC	1940466436
SNP_P1_204765_62027	NW_004516110.1	Scaffold707	62027	CC	AA	1940466437
SNP_P1_204766_62045	NW_004516110.1	Scaffold707	62045	CC	TT	1940466438
SNP_P1_204767_62183	NW_004516110.1	Scaffold707	62183	GG	TT	1940466439
SNP_P1_204768_62190	NW_004516110.1	Scaffold707	62190	GG	AA	1940466440
SNP_P1_204769_62639	NW_004516110.1	Scaffold707	62639	GG	AA	1940466441
SNP_P1_204770_62879	NW_004516110.1	Scaffold707	62879	AA	GG	1940466442
SNP_P1_204771_62934	NW_004516110.1	Scaffold707	62934	GG	AA	1940466443
SNP_P1_204772_63639	NW_004516110.1	Scaffold707	63639	TT	CC	1940466444
SNP_P1_204773_64068	NW_004516110.1	Scaffold707	64068	AA	GG	1940466445
SNP_P1_204774_65153	NW_004516110.1	Scaffold707	65153	GG	CC	1940466446
SNP_P1_204775_66685	NW_004516110.1	Scaffold707	66685	GG	AA	1940466447
SNP_P1_204776_66710	NW_004516110.1	Scaffold707	66710	TT	GG	1940466448
SNP_P1_204778_66891	NW_004516110.1	Scaffold707	66891	AA	GG	1940466449
SNP_P1_204779_68345	NW_004516110.1	Scaffold707	68345	TT	CC	1940466450
SNP_P1_204781_68818	NW_004516110.1	Scaffold707	68818	AA	CC	1940466451
SNP_P1_204783_70524	NW_004516110.1	Scaffold707	70524	AA	CC	1940466452

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_204787_72262	NW_004516110.1	Scaffold707	72262	GG	AA	1940466455
SNP_P1_204788_72822	NW_004516110.1	Scaffold707	72822	CC	AA	1940466456
SNP_P1_204789_72938	NW_004516110.1	Scaffold707	72938	TT	CC	1940466457
SNP_P1_204790_82788	NW_004516110.1	Scaffold707	82788	CC	AA	1940466458
SNP_P1_204791_82824	NW_004516110.1	Scaffold707	82824	TT	AA	1940466459
SNP_P1_204792_82854	NW_004516110.1	Scaffold707	82854	TT	CC	1940466460
SNP_P1_204793_83150	NW_004516110.1	Scaffold707	83150	GG	AA	1940466461
SNP_P1_204794_83160	NW_004516110.1	Scaffold707	83160	AA	CC	1940466462
SNP_P1_204795_83183	NW_004516110.1	Scaffold707	83183	CC	AA	1940466463
SNP_P1_204796_85237	NW_004516110.1	Scaffold707	85237	GG	AA	1940466464
SNP_P1_204797_85283	NW_004516110.1	Scaffold707	85283	AA	GG	1940466465
SNP_P1_204798_85593	NW_004516110.1	Scaffold707	85593	CC	TT	1940466466
SNP_P1_204799_85616	NW_004516110.1	Scaffold707	85616	AA	GG	1940466467
SNP_P1_204800_85808	NW_004516110.1	Scaffold707	85808	CC	TT	1940466468
SNP_P1_204801_85816	NW_004516110.1	Scaffold707	85816	CC	TT	1940466469
SNP_P1_204802_85886	NW_004516110.1	Scaffold707	85886	AA	GG	1940466470
SNP_P1_204803_85937	NW_004516110.1	Scaffold707	85937	AA	GG	1940466471
SNP_P1_204804_85945	NW_004516110.1	Scaffold707	85945	TT	AA	1940466472
SNP_P1_204806_86152	NW_004516110.1	Scaffold707	86152	AA	GG	1940466473
SNP_P1_204807_86157	NW_004516110.1	Scaffold707	86157	AA	GG	1940466474
SNP_P1_204808_86170	NW_004516110.1	Scaffold707	86170	TT	CC	1940466475
SNP_P1_204809_86231	NW_004516110.1	Scaffold707	86231	TT	GG	1940466476
SNP_P1_204810_87294	NW_004516110.1	Scaffold707	87294	GG	TT	1940466477
SNP_P1_204812_87323	NW_004516110.1	Scaffold707	87323	TT	CC	1940466478
SNP_P1_204813_87793	NW_004516110.1	Scaffold707	87793	CC	TT	1940466479
SNP_P1_204815_88672	NW_004516110.1	Scaffold707	88672	CC	AA	1940466480
SNP_P1_204816_89863	NW_004516110.1	Scaffold707	89863	CC	GG	1940466481
SNP_P1_204818_91893	NW_004516110.1	Scaffold707	91893	GG	TT	1940466482
SNP_P1_204819_92041	NW_004516110.1	Scaffold707	92041	AA	GG	1940466483
SNP_P1_204820_92050	NW_004516110.1	Scaffold707	92050	CC	TT	1940466484
SNP_P1_204821_92226	NW_004516110.1	Scaffold707	92226	GG	AA	1940466485
SNP_P1_204822_92541	NW_004516110.1	Scaffold707	92541	CC	GG	1940466486
SNP_P1_204823_92588	NW_004516110.1	Scaffold707	92588	AA	GG	1940466487
SNP_P1_204824_92593	NW_004516110.1	Scaffold707	92593	AA	GG	1940466488
SNP_P1_204825_115647	NW_004516110.1	Scaffold707	115647	AA	GG	1940466489
SNP_P1_204826_115666	NW_004516110.1	Scaffold707	115666	GG	TT	1940466490
SNP_P1_204827_121560	NW_004516110.1	Scaffold707	121560	AA	GG	1940466491
SNP_P1_204828_121568	NW_004516110.1	Scaffold707	121568	AA	GG	1940466492
SNP_P1_204829_121572	NW_004516110.1	Scaffold707	121572	GG	AA	1940466493
SNP_P1_204830_121701	NW_004516110.1	Scaffold707	121701	TT	GG	1940466494

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204831_121707	NW_004516110.1	Scaffold707	121707	CC	TT	1940466495
SNP_P1_204832_121728	NW_004516110.1	Scaffold707	121728	AA	TT	1940466496
SNP_P1_204833_121931	NW_004516110.1	Scaffold707	121931	AA	CC	1940466497
SNP_P1_204834_121967	NW_004516110.1	Scaffold707	121967	CC	AA	1940466498
SNP_P1_204835_136863	NW_004516110.1	Scaffold707	136863	AA	GG	1940466499
SNP_P1_204836_2988	NW_004516111.1	Scaffold708	2988	GG	AA	1940466500
SNP_P1_204837_4354	NW_004516111.1	Scaffold708	4354	AA	GG	1940466501
SNP_P1_204838_4355	NW_004516111.1	Scaffold708	4355	CC	TT	1940466502
SNP_P1_204839_4367	NW_004516111.1	Scaffold708	4367	CC	AA	1940466503
SNP_P1_204840_10927	NW_004516111.1	Scaffold708	10927	TT	CC	1940466504
SNP_P1_204841_10966	NW_004516111.1	Scaffold708	10966	TT	GG	1940466505
SNP_P1_204842_10987	NW_004516111.1	Scaffold708	10987	TT	CC	1940466506
SNP_P1_204843_10998	NW_004516111.1	Scaffold708	10998	CC	AA	1940466507
SNP_P1_204844_11014	NW_004516111.1	Scaffold708	11014	TT	CC	1940466508
SNP_P1_204845_11020	NW_004516111.1	Scaffold708	11020	GG	AA	1940466509
SNP_P1_204847_11137	NW_004516111.1	Scaffold708	11137	GG	AA	1940466510
SNP_P1_204848_11155	NW_004516111.1	Scaffold708	11155	AA	GG	1940466511
SNP_P1_204849_11178	NW_004516111.1	Scaffold708	11178	AA	TT	1940466512
SNP_P1_204850_11200	NW_004516111.1	Scaffold708	11200	TT	AA	1940466513
SNP_P1_204851_11229	NW_004516111.1	Scaffold708	11229	AA	GG	1940466514
SNP_P1_204852_11230	NW_004516111.1	Scaffold708	11230	CC	AA	1940466515
SNP_P1_204853_11242	NW_004516111.1	Scaffold708	11242	CC	TT	1940466516
SNP_P1_204854_11263	NW_004516111.1	Scaffold708	11263	TT	CC	1940466517
SNP_P1_204855_11269	NW_004516111.1	Scaffold708	11269	CC	TT	1940466518
SNP_P1_204856_11271	NW_004516111.1	Scaffold708	11271	TT	CC	1940466519
SNP_P1_204857_11273	NW_004516111.1	Scaffold708	11273	CC	AA	1940466520
SNP_P1_204858_11287	NW_004516111.1	Scaffold708	11287	CC	TT	1940466521
SNP_P1_204859_11370	NW_004516111.1	Scaffold708	11370	CC	TT	1940466522
SNP_P1_204860_11371	NW_004516111.1	Scaffold708	11371	TT	GG	1940466523
SNP_P1_204861_12437	NW_004516111.1	Scaffold708	12437	AA	GG	1940466524
SNP_P1_204862_12438	NW_004516111.1	Scaffold708	12438	TT	GG	1940466525
SNP_P1_204863_12452	NW_004516111.1	Scaffold708	12452	AA	CC	1940466526
SNP_P1_204864_12482	NW_004516111.1	Scaffold708	12482	CC	TT	1940466527
SNP_P1_204865_12563	NW_004516111.1	Scaffold708	12563	GG	AA	1940466528
SNP_P1_204866_12884	NW_004516111.1	Scaffold708	12884	AA	GG	1940466529
SNP_P1_204867_12904	NW_004516111.1	Scaffold708	12904	TT	CC	1940466530
SNP_P1_204868_12968	NW_004516111.1	Scaffold708	12968	AA	CC	1940466531
SNP_P1_204869_12991	NW_004516111.1	Scaffold708	12991	AA	CC	1940466532
SNP_P1_204870_13003	NW_004516111.1	Scaffold708	13003	TT	CC	1940466534
SNP_P1_204871_13107	NW_004516111.1	Scaffold708	13107	AA	GG	1940466535
SNP_P1_204872_13117	NW_004516111.1	Scaffold708	13117	AA	CC	1940466536
SNP_P1_204873_13119	NW_004516111.1	Scaffold708	13119	TT	AA	1940466537

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204874_13145	NW_004516111.1	Scaffold708	13145	GG	AA	1940466538
SNP_P1_204875_13172	NW_004516111.1	Scaffold708	13172	AA	GG	1940466539
SNP_P1_204876_16900	NW_004516111.1	Scaffold708	16900	AA	GG	1940466540
SNP_P1_204877_16908	NW_004516111.1	Scaffold708	16908	GG	AA	1940466541
SNP_P1_204878_29154	NW_004516111.1	Scaffold708	29154	CC	TT	1940466542
SNP_P1_204879_40777	NW_004516111.1	Scaffold708	40777	AA	TT	1940466543
SNP_P1_204880_44009	NW_004516111.1	Scaffold708	44009	GG	CC	1940466544
SNP_P1_204881_44012	NW_004516111.1	Scaffold708	44012	CC	GG	1940466545
SNP_P1_204882_44313	NW_004516111.1	Scaffold708	44313	AA	CC	1940466546
SNP_P1_204883_50137	NW_004516111.1	Scaffold708	50137	TT	CC	1940466547
SNP_P1_204884_50234	NW_004516111.1	Scaffold708	50234	TT	CC	1940466548
SNP_P1_204885_1865	NW_004516112.1	Scaffold709	1865	GG	TT	1940466549
SNP_P1_204886_1884	NW_004516112.1	Scaffold709	1884	AA	GG	1940466550
SNP_P1_204887_1890	NW_004516112.1	Scaffold709	1890	GG	CC	1940466551
SNP_P1_204888_1971	NW_004516112.1	Scaffold709	1971	TT	AA	1940466552
SNP_P1_204889_2009	NW_004516112.1	Scaffold709	2009	AA	TT	1940466553
SNP_P1_204890_2014	NW_004516112.1	Scaffold709	2014	AA	GG	1940466554
SNP_P1_204891_2046	NW_004516112.1	Scaffold709	2046	AA	TT	1940466555
SNP_P1_204892_2172	NW_004516112.1	Scaffold709	2172	TT	CC	1940466556
SNP_P1_204893_2188	NW_004516112.1	Scaffold709	2188	AA	GG	1940466557
SNP_P1_204894_2189	NW_004516112.1	Scaffold709	2189	TT	CC	1940466558
SNP_P1_204895_2211	NW_004516112.1	Scaffold709	2211	GG	AA	1940466559
SNP_P1_204896_2243	NW_004516112.1	Scaffold709	2243	AA	GG	1940466560
SNP_P1_204897_2285	NW_004516112.1	Scaffold709	2285	AA	GG	1940466561
SNP_P1_204898_2291	NW_004516112.1	Scaffold709	2291	AA	GG	1940466562
SNP_P1_204899_2293	NW_004516112.1	Scaffold709	2293	CC	GG	1940466563
SNP_P1_204900_2331	NW_004516112.1	Scaffold709	2331	TT	CC	1940466564
SNP_P1_204901_2335	NW_004516112.1	Scaffold709	2335	AA	GG	1940466565
SNP_P1_204902_2342	NW_004516112.1	Scaffold709	2342	AA	GG	1940466566
SNP_P1_204903_2408	NW_004516112.1	Scaffold709	2408	GG	TT	1940466567
SNP_P1_204904_2424	NW_004516112.1	Scaffold709	2424	CC	TT	1940466568
SNP_P1_204905_2426	NW_004516112.1	Scaffold709	2426	AA	GG	1940466569
SNP_P1_204906_2431	NW_004516112.1	Scaffold709	2431	TT	CC	1940466570
SNP_P1_204907_2432	NW_004516112.1	Scaffold709	2432	TT	AA	1940466571
SNP_P1_204908_2470	NW_004516112.1	Scaffold709	2470	AA	CC	1940466572
SNP_P1_204909_2479	NW_004516112.1	Scaffold709	2479	TT	CC	1940466573
SNP_P1_204910_4004	NW_004516112.1	Scaffold709	4004	TT	GG	1940466574
SNP_P1_204912_4402	NW_004516112.1	Scaffold709	4402	GG	AA	1940466575
SNP_P1_204913_4445	NW_004516112.1	Scaffold709	4445	TT	GG	1940466576
SNP_P1_204914_7064	NW_004516112.1	Scaffold709	7064	AA	GG	1940466577
SNP_P1_204915_7082	NW_004516112.1	Scaffold709	7082	TT	AA	1940466578
SNP_P1_204916_7154	NW_004516112.1	Scaffold709	7154	AA	TT	1940466579

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_204917_7309	NW_004516112.1	Scaffold709	7309	GG	CC	1940466580
SNP_P1_204918_7356	NW_004516112.1	Scaffold709	7356	GG	AA	1940466581
SNP_P1_204919_7395	NW_004516112.1	Scaffold709	7395	CC	TT	1940466582
SNP_P1_204920_7399	NW_004516112.1	Scaffold709	7399	GG	AA	1940466583
SNP_P1_204921_7414	NW_004516112.1	Scaffold709	7414	TT	GG	1940466584
SNP_P1_204922_7421	NW_004516112.1	Scaffold709	7421	GG	TT	1940466585
SNP_P1_204923_7448	NW_004516112.1	Scaffold709	7448	CC	AA	1940466586
SNP_P1_204925_7528	NW_004516112.1	Scaffold709	7528	GG	TT	1940466587
SNP_P1_204926_7542	NW_004516112.1	Scaffold709	7542	CC	TT	1940466588
SNP_P1_204927_7588	NW_004516112.1	Scaffold709	7588	GG	TT	1940466589
SNP_P1_204928_7726	NW_004516112.1	Scaffold709	7726	GG	AA	1940466590
SNP_P1_204929_7780	NW_004516112.1	Scaffold709	7780	GG	AA	1940466591
SNP_P1_204930_7799	NW_004516112.1	Scaffold709	7799	CC	TT	1940466592
SNP_P1_204933_11192	NW_004516113.1	Scaffold711	11192	TT	GG	1940466593
SNP_P1_204934_22951	NW_004516113.1	Scaffold711	22951	AA	TT	1940466594
SNP_P1_204935_28916	NW_004516113.1	Scaffold711	28916	TT	AA	1940466595
SNP_P1_204936_36019	NW_004516113.1	Scaffold711	36019	CC	TT	1940466596
SNP_P1_204937_36031	NW_004516113.1	Scaffold711	36031	AA	CC	1940466597
SNP_P1_204938_36064	NW_004516113.1	Scaffold711	36064	CC	TT	1940466598
SNP_P1_204939_36085	NW_004516113.1	Scaffold711	36085	GG	AA	1940466599
SNP_P1_204940_36115	NW_004516113.1	Scaffold711	36115	CC	TT	1940466600
SNP_P1_204941_36300	NW_004516113.1	Scaffold711	36300	AA	GG	1940466601
SNP_P1_204942_36313	NW_004516113.1	Scaffold711	36313	GG	AA	1940466602
SNP_P1_204943_36331	NW_004516113.1	Scaffold711	36331	CC	AA	1940466603
SNP_P1_204944_36337	NW_004516113.1	Scaffold711	36337	CC	AA	1940466604
SNP_P1_204945_36349	NW_004516113.1	Scaffold711	36349	CC	TT	1940466605
SNP_P1_204946_36440	NW_004516113.1	Scaffold711	36440	AA	GG	1940466606
SNP_P1_204947_39034	NW_004516113.1	Scaffold711	39034	CC	TT	1940466607
SNP_P1_204948_40033	NW_004516113.1	Scaffold711	40033	CC	TT	1940466608
SNP_P1_204949_50638	NW_004516113.1	Scaffold711	50638	AA	CC	1940466609
SNP_P1_204950_50960	NW_004516113.1	Scaffold711	50960	GG	TT	1940466610
SNP_P1_204951_62144	NW_004516113.1	Scaffold711	62144	TT	CC	1940466611
SNP_P1_204952_62145	NW_004516113.1	Scaffold711	62145	AA	GG	1940466612
SNP_P1_204953_93475	NW_004516113.1	Scaffold711	93475	CC	TT	1940466613
SNP_P1_204954_102897	NW_004516113.1	Scaffold711	102897	GG	AA	1940466614
SNP_P1_204955_103113	NW_004516113.1	Scaffold711	103113	AA	CC	1940466615
SNP_P1_204956_116823	NW_004516113.1	Scaffold711	116823	CC	TT	1940466616
SNP_P1_204957_134970	NW_004516113.1	Scaffold711	134970	GG	AA	1940466617
SNP_P1_204959_149312	NW_004516113.1	Scaffold711	149312	TT	GG	1940466618
SNP_P1_204960_164743	NW_004516113.1	Scaffold711	164743	GG	AA	1940466619
SNP_P1_204961_167921	NW_004516113.1	Scaffold711	167921	GG	CC	1940466620
SNP_P1_204962_171186	NW_004516113.1	Scaffold711	171186	TT	GG	1940466621

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SNP_P1_204963_173667	NW_004516113.1	Scaffold711	173667	AA	TT	1940466622
SNP_P1_204964_184170	NW_004516113.1	Scaffold711	184170	AA	GG	1940466623
SNP_P1_204968_218488	NW_004516113.1	Scaffold711	218488	AA	TT	1940466624
SNP_P1_204969_218617	NW_004516113.1	Scaffold711	218617	AA	CC	1940466625
SNP_P1_204970_218787	NW_004516113.1	Scaffold711	218787	CC	TT	1940466626
SNP_P1_204971_220500	NW_004516113.1	Scaffold711	220500	CC	AA	1940466627
SNP_P1_204972_229528	NW_004516113.1	Scaffold711	229528	GG	AA	1940466628
SNP_P1_204973_230014	NW_004516113.1	Scaffold711	230014	AA	TT	1940466629
SNP_P1_204974_243108	NW_004516113.1	Scaffold711	243108	TT	GG	1940466630
SNP_P1_204975_229	NW_004516114.1	Scaffold712	229	CC	AA	1940466631
SNP_P1_204976_4191	NW_004516114.1	Scaffold712	4191	GG	AA	1940466632
SNP_P1_204977_5271	NW_004516114.1	Scaffold712	5271	TT	CC	1940466633
SNP_P1_204978_7810	NW_004516114.1	Scaffold712	7810	TT	CC	1940466634
SNP_P1_204979_8900	NW_004516114.1	Scaffold712	8900	TT	AA	1940466635
SNP_P1_204980_1177	NW_004516115.1	Scaffold715	1177	AA	CC	1940466636
SNP_P1_204981_1234	NW_004516115.1	Scaffold715	1234	AA	GG	1940466637
SNP_P1_204982_1288	NW_004516115.1	Scaffold715	1288	TT	AA	1940466638
SNP_P1_204983_5483	NW_004516115.1	Scaffold715	5483	CC	TT	1940466639
SNP_P1_204984_5514	NW_004516115.1	Scaffold715	5514	GG	AA	1940466640
SNP_P1_204985_3048	NW_004516116.1	Scaffold716	3048	CC	TT	1940466641
SNP_P1_204986_5232	NW_004516116.1	Scaffold716	5232	TT	GG	1940466642
SNP_P1_204987_5284	NW_004516116.1	Scaffold716	5284	AA	GG	1940466643
SNP_P1_204988_5314	NW_004516116.1	Scaffold716	5314	CC	AA	1940466644
SNP_P1_204989_12679	NW_004516116.1	Scaffold716	12679	TT	CC	1940466645
SNP_P1_204990_12852	NW_004516116.1	Scaffold716	12852	AA	TT	1940466646
SNP_P1_204991_13492	NW_004516116.1	Scaffold716	13492	GG	TT	1940466647
SNP_P1_204992_13508	NW_004516116.1	Scaffold716	13508	AA	TT	1940466648
SNP_P1_204993_14143	NW_004516116.1	Scaffold716	14143	AA	GG	1940466649
SNP_P1_204994_15296	NW_004516116.1	Scaffold716	15296	AA	CC	1940466650
SNP_P1_204995_15712	NW_004516116.1	Scaffold716	15712	TT	GG	1940466651
SNP_P1_204996_21726	NW_004516116.1	Scaffold716	21726	AA	GG	1940466652
SNP_P1_204997_22755	NW_004516116.1	Scaffold716	22755	AA	CC	1940466653
SNP_P1_204998_22756	NW_004516116.1	Scaffold716	22756	GG	AA	1940466654
SNP_P1_204999_23248	NW_004516116.1	Scaffold716	23248	AA	GG	1940466655
SNP_P1_205000_23279	NW_004516116.1	Scaffold716	23279	GG	AA	1940466656
SNP_P1_205001_23436	NW_004516116.1	Scaffold716	23436	TT	CC	1940466657
SNP_P1_205002_23454	NW_004516116.1	Scaffold716	23454	GG	AA	1940466658
SNP_P1_205003_23467	NW_004516116.1	Scaffold716	23467	TT	AA	1940466659
SNP_P1_205004_23580	NW_004516116.1	Scaffold716	23580	AA	GG	1940466660
SNP_P1_205005_23622	NW_004516116.1	Scaffold716	23622	AA	GG	1940466661
SNP_P1_205006_23755	NW_004516116.1	Scaffold716	23755	TT	CC	1940466662
SNP_P1_205007_23764	NW_004516116.1	Scaffold716	23764	AA	TT	1940466663

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SNP_P1_205008_37939	NW_004516116.1	Scaffold716	37939	TT	CC	1940466664
SNP_P1_205009_42916	NW_004516116.1	Scaffold716	42916	CC	TT	1940466665
SNP_P1_205010_42918	NW_004516116.1	Scaffold716	42918	AA	GG	1940466666
SNP_P1_205011_46053	NW_004516116.1	Scaffold716	46053	AA	TT	1940466667
SNP_P1_205012_46407	NW_004516116.1	Scaffold716	46407	CC	AA	1940466668
SNP_P1_205013_46419	NW_004516116.1	Scaffold716	46419	TT	AA	1940466669
SNP_P1_205014_46424	NW_004516116.1	Scaffold716	46424	GG	AA	1940466671
SNP_P1_205015_52673	NW_004516116.1	Scaffold716	52673	TT	AA	1940466672
SNP_P1_205016_54308	NW_004516116.1	Scaffold716	54308	AA	TT	1940466673
SNP_P1_205017_64436	NW_004516116.1	Scaffold716	64436	AA	CC	1940466674
SNP_P1_205018_64451	NW_004516116.1	Scaffold716	64451	GG	AA	1940466675
SNP_P1_205019_64866	NW_004516116.1	Scaffold716	64866	TT	GG	1940466676
SNP_P1_205020_64885	NW_004516116.1	Scaffold716	64885	GG	AA	1940466677
SNP_P1_205021_64905	NW_004516116.1	Scaffold716	64905	GG	TT	1940466678
SNP_P1_205022_66199	NW_004516116.1	Scaffold716	66199	CC	TT	1940466679
SNP_P1_205023_66201	NW_004516116.1	Scaffold716	66201	AA	GG	1940466680
SNP_P1_205024_66206	NW_004516116.1	Scaffold716	66206	AA	GG	1940466681
SNP_P1_205025_66358	NW_004516116.1	Scaffold716	66358	AA	GG	1940466682
SNP_P1_205026_66396	NW_004516116.1	Scaffold716	66396	TT	AA	1940466683
SNP_P1_205027_66434	NW_004516116.1	Scaffold716	66434	GG	AA	1940466684
SNP_P1_205028_66457	NW_004516116.1	Scaffold716	66457	CC	AA	1940466685
SNP_P1_205029_83735	NW_004516116.1	Scaffold716	83735	GG	TT	1940466686
SNP_P1_205030_88149	NW_004516116.1	Scaffold716	88149	AA	TT	1940466687
SNP_P1_205032_116851	NW_004516116.1	Scaffold716	116851	TT	CC	1940466688
SNP_P1_205033_117783	NW_004516116.1	Scaffold716	117783	TT	CC	1940466689
SNP_P1_205034_117794	NW_004516116.1	Scaffold716	117794	TT	CC	1940466690
SNP_P1_205035_117848	NW_004516116.1	Scaffold716	117848	AA	GG	1940466691
SNP_P1_205036_117855	NW_004516116.1	Scaffold716	117855	TT	CC	1940466692
SNP_P1_205037_117864	NW_004516116.1	Scaffold716	117864	GG	CC	1940466693
SNP_P1_205038_117868	NW_004516116.1	Scaffold716	117868	GG	AA	1940466694
SNP_P1_205039_117890	NW_004516116.1	Scaffold716	117890	TT	CC	1940466695
SNP_P1_205040_117956	NW_004516116.1	Scaffold716	117956	TT	CC	1940466696
SNP_P1_205041_118264	NW_004516116.1	Scaffold716	118264	TT	GG	1940466697
SNP_P1_205042_119722	NW_004516116.1	Scaffold716	119722	AA	TT	1940466698
SNP_P1_205043_119740	NW_004516116.1	Scaffold716	119740	GG	AA	1940466699
SNP_P1_205044_119749	NW_004516116.1	Scaffold716	119749	GG	AA	1940466700
SNP_P1_205046_130758	NW_004516116.1	Scaffold716	130758	GG	CC	1940466701
SNP_P1_205047_131595	NW_004516116.1	Scaffold716	131595	CC	TT	1940466702
SNP_P1_205050_136311	NW_004516116.1	Scaffold716	136311	GG	AA	1940466703
SNP_P1_205052_164942	NW_004516116.1	Scaffold716	164942	GG	AA	1940466704
SNP_P1_205053_168507	NW_004516116.1	Scaffold716	168507	CC	TT	1940466705
SNP_P1_205054_168556	NW_004516116.1	Scaffold716	168556	GG	CC	1940466706

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205055_169889	NW_004516116.1	Scaffold716	169889	AA	TT	1940466707
SNP_P1_205056_172735	NW_004516116.1	Scaffold716	172735	TT	GG	1940466708
SNP_P1_205057_174128	NW_004516116.1	Scaffold716	174128	AA	GG	1940466709
SNP_P1_205058_176039	NW_004516116.1	Scaffold716	176039	CC	GG	1940466710
SNP_P1_205059_180540	NW_004516116.1	Scaffold716	180540	GG	AA	1940466711
SNP_P1_205060_181428	NW_004516116.1	Scaffold716	181428	AA	TT	1940466712
SNP_P1_205061_181435	NW_004516116.1	Scaffold716	181435	TT	CC	1940466713
SNP_P1_205062_181438	NW_004516116.1	Scaffold716	181438	AA	TT	1940466714
SNP_P1_205063_181450	NW_004516116.1	Scaffold716	181450	GG	TT	1940466715
SNP_P1_205064_181453	NW_004516116.1	Scaffold716	181453	AA	CC	1940466716
SNP_P1_205065_182741	NW_004516116.1	Scaffold716	182741	GG	AA	1940466717
SNP_P1_205066_183276	NW_004516116.1	Scaffold716	183276	CC	TT	1940466718
SNP_P1_205067_187106	NW_004516116.1	Scaffold716	187106	TT	CC	1940466719
SNP_P1_205069_191163	NW_004516116.1	Scaffold716	191163	CC	AA	1940466720
SNP_P1_205070_192635	NW_004516116.1	Scaffold716	192635	GG	AA	1940466721
SNP_P1_205072_197537	NW_004516116.1	Scaffold716	197537	CC	GG	1940466722
SNP_P1_205074_201175	NW_004516116.1	Scaffold716	201175	AA	GG	1940466723
SNP_P1_205075_201604	NW_004516116.1	Scaffold716	201604	GG	AA	1940466724
SNP_P1_205076_202785	NW_004516116.1	Scaffold716	202785	AA	CC	1940466725
SNP_P1_205077_202821	NW_004516116.1	Scaffold716	202821	TT	GG	1940466726
SNP_P1_205078_205458	NW_004516116.1	Scaffold716	205458	CC	TT	1940466727
SNP_P1_205079_205486	NW_004516116.1	Scaffold716	205486	GG	CC	1940466728
SNP_P1_205080_214458	NW_004516116.1	Scaffold716	214458	CC	GG	1940466729
SNP_P1_205081_219826	NW_004516116.1	Scaffold716	219826	TT	GG	1940466730
SNP_P1_205082_226643	NW_004516116.1	Scaffold716	226643	GG	AA	1940466731
SNP_P1_205083_228761	NW_004516116.1	Scaffold716	228761	AA	GG	1940466732
SNP_P1_205084_239417	NW_004516116.1	Scaffold716	239417	AA	GG	1940466733
SNP_P1_205086_244471	NW_004516116.1	Scaffold716	244471	CC	TT	1940466734
SNP_P1_205087_245395	NW_004516116.1	Scaffold716	245395	CC	TT	1940466735
SNP_P1_205088_245983	NW_004516116.1	Scaffold716	245983	GG	AA	1940466736
SNP_P1_205089_246231	NW_004516116.1	Scaffold716	246231	CC	TT	1940466737
SNP_P1_205090_246281	NW_004516116.1	Scaffold716	246281	CC	GG	1940466738
SNP_P1_205091_247798	NW_004516116.1	Scaffold716	247798	GG	AA	1940466739
SNP_P1_205092_247838	NW_004516116.1	Scaffold716	247838	AA	GG	1940466740
SNP_P1_205093_247898	NW_004516116.1	Scaffold716	247898	AA	TT	1940466741
SNP_P1_205094_248082	NW_004516116.1	Scaffold716	248082	TT	GG	1940466742
SNP_P1_205095_248084	NW_004516116.1	Scaffold716	248084	CC	TT	1940466743
SNP_P1_205097_248115	NW_004516116.1	Scaffold716	248115	AA	GG	1940466744
SNP_P1_205098_248119	NW_004516116.1	Scaffold716	248119	CC	TT	1940466745
SNP_P1_205099_248147	NW_004516116.1	Scaffold716	248147	CC	TT	1940466746
SNP_P1_205100_248150	NW_004516116.1	Scaffold716	248150	CC	AA	1940466747
SNP_P1_205101_248284	NW_004516116.1	Scaffold716	248284	AA	CC	1940466748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205102_248800	NW_004516116.1	Scaffold716	248800	GG	AA	1940466749
SNP_P1_205103_250644	NW_004516116.1	Scaffold716	250644	GG	TT	1940466750
SNP_P1_205104_250706	NW_004516116.1	Scaffold716	250706	CC	TT	1940466751
SNP_P1_205105_250708	NW_004516116.1	Scaffold716	250708	AA	GG	1940466752
SNP_P1_205106_251033	NW_004516116.1	Scaffold716	251033	CC	AA	1940466753
SNP_P1_205107_263312	NW_004516116.1	Scaffold716	263312	GG	AA	1940466754
SNP_P1_205108_263323	NW_004516116.1	Scaffold716	263323	TT	CC	1940466755
SNP_P1_205109_263466	NW_004516116.1	Scaffold716	263466	GG	TT	1940466756
SNP_P1_205110_263547	NW_004516116.1	Scaffold716	263547	TT	CC	1940466757
SNP_P1_205111_263587	NW_004516116.1	Scaffold716	263587	TT	GG	1940466758
SNP_P1_205112_263621	NW_004516116.1	Scaffold716	263621	TT	CC	1940466759
SNP_P1_205113_263629	NW_004516116.1	Scaffold716	263629	TT	AA	1940466760
SNP_P1_205114_263663	NW_004516116.1	Scaffold716	263663	CC	TT	1940466761
SNP_P1_205115_263670	NW_004516116.1	Scaffold716	263670	GG	AA	1940466762
SNP_P1_205116_263739	NW_004516116.1	Scaffold716	263739	CC	TT	1940466763
SNP_P1_205117_263740	NW_004516116.1	Scaffold716	263740	AA	GG	1940466764
SNP_P1_205118_263889	NW_004516116.1	Scaffold716	263889	TT	CC	1940466765
SNP_P1_205119_266413	NW_004516116.1	Scaffold716	266413	AA	CC	1940466766
SNP_P1_205120_266417	NW_004516116.1	Scaffold716	266417	GG	AA	1940466767
SNP_P1_205121_266605	NW_004516116.1	Scaffold716	266605	AA	TT	1940466768
SNP_P1_205122_271155	NW_004516116.1	Scaffold716	271155	CC	TT	1940466769
SNP_P1_205123_273066	NW_004516116.1	Scaffold716	273066	AA	GG	1940466770
SNP_P1_205124_273095	NW_004516116.1	Scaffold716	273095	CC	AA	1940466771
SNP_P1_205125_295417	NW_004516116.1	Scaffold716	295417	CC	TT	1940466772
SNP_P1_205126_308287	NW_004516116.1	Scaffold716	308287	CC	TT	1940466773
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SNP_P1_205128_313049	NW_004516116.1	Scaffold716	313049	GG	TT	1940466775
SNP_P1_205129_315032	NW_004516116.1	Scaffold716	315032	AA	GG	1940466776
SNP_P1_205130_345283	NW_004516116.1	Scaffold716	345283	GG	TT	1940466777
SNP_P1_205131_348135	NW_004516116.1	Scaffold716	348135	CC	TT	1940466778
SNP_P1_205132_350644	NW_004516116.1	Scaffold716	350644	GG	AA	1940466779
SNP_P1_205133_351861	NW_004516116.1	Scaffold716	351861	GG	CC	1940466780
SNP_P1_205135_363655	NW_004516116.1	Scaffold716	363655	GG	AA	1940466781
SNP_P1_205136_363690	NW_004516116.1	Scaffold716	363690	GG	AA	1940466782
SNP_P1_205137_364496	NW_004516116.1	Scaffold716	364496	GG	AA	1940466783
SNP_P1_205139_375591	NW_004516116.1	Scaffold716	375591	GG	AA	1940466784
SNP_P1_205140_375620	NW_004516116.1	Scaffold716	375620	GG	TT	1940466785
SNP_P1_205141_375636	NW_004516116.1	Scaffold716	375636	CC	TT	1940466786
SNP_P1_205142_378929	NW_004516116.1	Scaffold716	378929	AA	GG	1940466787
SNP_P1_205143_386460	NW_004516116.1	Scaffold716	386460	CC	GG	1940466788
SNP_P1_205144_386503	NW_004516116.1	Scaffold716	386503	GG	TT	1940466789
SNP_P1_205145_389039	NW_004516116.1	Scaffold716	389039	TT	CC	1940466790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205146_390787	NW_004516116.1	Scaffold716	390787	TT	AA	1940466791
SNP_P1_205147_393507	NW_004516116.1	Scaffold716	393507	TT	CC	1940466792
SNP_P1_205148_397208	NW_004516116.1	Scaffold716	397208	TT	CC	1940466793
SNP_P1_205149_397276	NW_004516116.1	Scaffold716	397276	TT	GG	1940466794
SNP_P1_205150_397361	NW_004516116.1	Scaffold716	397361	GG	TT	1940466795
SNP_P1_205151_397561	NW_004516116.1	Scaffold716	397561	TT	AA	1940466796
SNP_P1_205152_397562	NW_004516116.1	Scaffold716	397562	AA	TT	1940466797
SNP_P1_205153_397574	NW_004516116.1	Scaffold716	397574	TT	CC	1940466799
SNP_P1_205154_397601	NW_004516116.1	Scaffold716	397601	CC	TT	1940466800
SNP_P1_205155_397603	NW_004516116.1	Scaffold716	397603	GG	CC	1940466801
SNP_P1_205156_397608	NW_004516116.1	Scaffold716	397608	GG	TT	1940466802
SNP_P1_205157_397611	NW_004516116.1	Scaffold716	397611	GG	AA	1940466803
SNP_P1_205158_397640	NW_004516116.1	Scaffold716	397640	TT	CC	1940466804
SNP_P1_205159_397641	NW_004516116.1	Scaffold716	397641	TT	CC	1940466805
SNP_P1_205160_397659	NW_004516116.1	Scaffold716	397659	AA	GG	1940466806
SNP_P1_205161_397676	NW_004516116.1	Scaffold716	397676	AA	TT	1940466807
SNP_P1_205162_397774	NW_004516116.1	Scaffold716	397774	TT	CC	1940466808
SNP_P1_205163_397823	NW_004516116.1	Scaffold716	397823	TT	CC	1940466809
SNP_P1_205164_397824	NW_004516116.1	Scaffold716	397824	AA	GG	1940466810
SNP_P1_205165_412624	NW_004516116.1	Scaffold716	412624	AA	GG	1940466811
SNP_P1_205166_422072	NW_004516116.1	Scaffold716	422072	CC	GG	1940466812
SNP_P1_205167_422101	NW_004516116.1	Scaffold716	422101	TT	AA	1940466813
SNP_P1_205168_426350	NW_004516116.1	Scaffold716	426350	TT	AA	1940466814
SNP_P1_205169_427128	NW_004516116.1	Scaffold716	427128	AA	TT	1940466815
SNP_P1_205170_430680	NW_004516116.1	Scaffold716	430680	TT	CC	1940466816
SNP_P1_205171_435431	NW_004516116.1	Scaffold716	435431	CC	TT	1940466817
SNP_P1_205172_2862	NW_004516117.1	Scaffold717	2862	AA	GG	1940466818
SNP_P1_205173_2871	NW_004516117.1	Scaffold717	2871	CC	GG	1940466819
SNP_P1_205174_2872	NW_004516117.1	Scaffold717	2872	CC	AA	1940466820
SNP_P1_205175_2874	NW_004516117.1	Scaffold717	2874	TT	AA	1940466821
SNP_P1_205176_3998	NW_004516117.1	Scaffold717	3998	CC	AA	1940466822
SNP_P1_205177_4144	NW_004516117.1	Scaffold717	4144	TT	AA	1940466823
SNP_P1_205178_1348	NW_004516118.1	Scaffold719	1348	CC	TT	1940466824
SNP_P1_205179_1349	NW_004516118.1	Scaffold719	1349	CC	GG	1940466825
SNP_P1_205180_1355	NW_004516118.1	Scaffold719	1355	CC	GG	1940466826
SNP_P1_205181_1366	NW_004516118.1	Scaffold719	1366	TT	CC	1940466827
SNP_P1_205182_1368	NW_004516118.1	Scaffold719	1368	TT	AA	1940466828
SNP_P1_205183_1373	NW_004516118.1	Scaffold719	1373	AA	CC	1940466829
SNP_P1_205184_1380	NW_004516118.1	Scaffold719	1380	AA	TT	1940466830
SNP_P1_205185_1381	NW_004516118.1	Scaffold719	1381	AA	TT	1940466831
SNP_P1_205186_1403	NW_004516118.1	Scaffold719	1403	TT	AA	1940466832
SNP_P1_205187_2324	NW_004516118.1	Scaffold719	2324	TT	CC	1940466833

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SNP_P1_205188_2405	NW_004516118.1	Scaffold719	2405	TT	CC	1940466834
SNP_P1_205189_9505	NW_004516118.1	Scaffold719	9505	AA	GG	1940466835
SNP_P1_205190_9522	NW_004516118.1	Scaffold719	9522	GG	AA	1940466836
SNP_P1_205191_9528	NW_004516118.1	Scaffold719	9528	AA	GG	1940466837
SNP_P1_205192_9750	NW_004516118.1	Scaffold719	9750	AA	GG	1940466838
SNP_P1_205193_9873	NW_004516118.1	Scaffold719	9873	GG	TT	1940466839
SNP_P1_205194_9936	NW_004516118.1	Scaffold719	9936	AA	TT	1940466840
SNP_P1_205195_9937	NW_004516118.1	Scaffold719	9937	TT	AA	1940466841
SNP_P1_205196_10035	NW_004516118.1	Scaffold719	10035	GG	AA	1940466842
SNP_P1_205197_10038	NW_004516118.1	Scaffold719	10038	AA	TT	1940466843
SNP_P1_205198_12135	NW_004516118.1	Scaffold719	12135	GG	TT	1940466844
SNP_P1_205199_12139	NW_004516118.1	Scaffold719	12139	TT	GG	1940466845
SNP_P1_205200_12164	NW_004516118.1	Scaffold719	12164	CC	AA	1940466846
SNP_P1_205201_12204	NW_004516118.1	Scaffold719	12204	TT	AA	1940466847
SNP_P1_205202_12446	NW_004516118.1	Scaffold719	12446	AA	GG	1940466848
SNP_P1_205203_12488	NW_004516118.1	Scaffold719	12488	GG	AA	1940466849
SNP_P1_205204_12495	NW_004516118.1	Scaffold719	12495	TT	GG	1940466850
SNP_P1_205205_12498	NW_004516118.1	Scaffold719	12498	AA	GG	1940466851
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SNP_P1_205207_12519	NW_004516118.1	Scaffold719	12519	AA	CC	1940466853
SNP_P1_205208_12577	NW_004516118.1	Scaffold719	12577	TT	CC	1940466854
SNP_P1_205209_12656	NW_004516118.1	Scaffold719	12656	AA	GG	1940466855
SNP_P1_205210_14178	NW_004516118.1	Scaffold719	14178	CC	TT	1940466856
SNP_P1_205211_14197	NW_004516118.1	Scaffold719	14197	TT	CC	1940466857
SNP_P1_205212_14434	NW_004516118.1	Scaffold719	14434	TT	CC	1940466858
SNP_P1_205213_14450	NW_004516118.1	Scaffold719	14450	TT	CC	1940466859
SNP_P1_205214_14756	NW_004516118.1	Scaffold719	14756	AA	GG	1940466860
SNP_P1_205215_14849	NW_004516118.1	Scaffold719	14849	GG	AA	1940466861
SNP_P1_205216_14882	NW_004516118.1	Scaffold719	14882	TT	GG	1940466862
SNP_P1_205217_14922	NW_004516118.1	Scaffold719	14922	GG	TT	1940466863
SNP_P1_205218_14924	NW_004516118.1	Scaffold719	14924	TT	GG	1940466864
SNP_P1_205219_14984	NW_004516118.1	Scaffold719	14984	AA	GG	1940466865
SNP_P1_205220_15290	NW_004516118.1	Scaffold719	15290	GG	AA	1940466866
SNP_P1_205221_15301	NW_004516118.1	Scaffold719	15301	TT	CC	1940466867
SNP_P1_205223_20491	NW_004516118.1	Scaffold719	20491	CC	TT	1940466868
SNP_P1_205224_21821	NW_004516118.1	Scaffold719	21821	GG	AA	1940466869
SNP_P1_205225_28308	NW_004516118.1	Scaffold719	28308	GG	AA	1940466870
SNP_P1_205226_29264	NW_004516118.1	Scaffold719	29264	GG	TT	1940466871
SNP_P1_205227_32264	NW_004516118.1	Scaffold719	32264	AA	CC	1940466872
SNP_P1_205228_41821	NW_004516118.1	Scaffold719	41821	CC	GG	1940466873
SNP_P1_205229_44995	NW_004516118.1	Scaffold719	44995	CC	GG	1940466874
SNP_P1_205230_48471	NW_004516118.1	Scaffold719	48471	CC	TT	1940466875

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SNP_P1_205232_50335	NW_004516118.1	Scaffold719	50335	AA	TT	1940466877
SNP_P1_205233_54082	NW_004516118.1	Scaffold719	54082	TT	CC	1940466878
SNP_P1_205234_54653	NW_004516118.1	Scaffold719	54653	GG	TT	1940466879
SNP_P1_205235_54668	NW_004516118.1	Scaffold719	54668	GG	TT	1940466880
SNP_P1_205236_54670	NW_004516118.1	Scaffold719	54670	GG	CC	1940466881
SNP_P1_205237_57615	NW_004516118.1	Scaffold719	57615	TT	GG	1940466882
SNP_P1_205238_57800	NW_004516118.1	Scaffold719	57800	GG	AA	1940466883
SNP_P1_205239_60771	NW_004516118.1	Scaffold719	60771	GG	TT	1940466884
SNP_P1_205240_63412	NW_004516118.1	Scaffold719	63412	CC	TT	1940466885
SNP_P1_205241_84930	NW_004516118.1	Scaffold719	84930	TT	CC	1940466886
SNP_P1_205242_85020	NW_004516118.1	Scaffold719	85020	AA	GG	1940466887
SNP_P1_205243_85036	NW_004516118.1	Scaffold719	85036	GG	TT	1940466888
SNP_P1_205244_85076	NW_004516118.1	Scaffold719	85076	CC	TT	1940466889
SNP_P1_205245_85082	NW_004516118.1	Scaffold719	85082	CC	TT	1940466890
SNP_P1_205246_85091	NW_004516118.1	Scaffold719	85091	TT	AA	1940466891
SNP_P1_205247_85107	NW_004516118.1	Scaffold719	85107	TT	CC	1940466892
SNP_P1_205248_85152	NW_004516118.1	Scaffold719	85152	GG	AA	1940466893
SNP_P1_205249_85164	NW_004516118.1	Scaffold719	85164	GG	AA	1940466894
SNP_P1_205250_85167	NW_004516118.1	Scaffold719	85167	GG	TT	1940466895
SNP_P1_205251_85284	NW_004516118.1	Scaffold719	85284	GG	AA	1940466896
SNP_P1_205252_85289	NW_004516118.1	Scaffold719	85289	CC	TT	1940466897
SNP_P1_205253_85291	NW_004516118.1	Scaffold719	85291	GG	AA	1940466898
SNP_P1_205254_87072	NW_004516118.1	Scaffold719	87072	GG	AA	1940466899
SNP_P1_205255_87073	NW_004516118.1	Scaffold719	87073	AA	GG	1940466900
SNP_P1_205256_98414	NW_004516118.1	Scaffold719	98414	AA	TT	1940466901
SNP_P1_205257_99168	NW_004516118.1	Scaffold719	99168	AA	CC	1940466902
SNP_P1_205258_101210	NW_004516118.1	Scaffold719	101210	AA	GG	1940466903
SNP_P1_205259_108775	NW_004516118.1	Scaffold719	108775	TT	GG	1940466904
SNP_P1_205260_108776	NW_004516118.1	Scaffold719	108776	GG	TT	1940466905
SNP_P1_205261_108780	NW_004516118.1	Scaffold719	108780	GG	AA	1940466906
SNP_P1_205262_108799	NW_004516118.1	Scaffold719	108799	GG	AA	1940466907
SNP_P1_205263_108819	NW_004516118.1	Scaffold719	108819	CC	GG	1940466908
SNP_P1_205264_108837	NW_004516118.1	Scaffold719	108837	CC	TT	1940466909
SNP_P1_205265_108847	NW_004516118.1	Scaffold719	108847	AA	GG	1940466910
SNP_P1_205266_108858	NW_004516118.1	Scaffold719	108858	AA	GG	1940466911
SNP_P1_205267_108891	NW_004516118.1	Scaffold719	108891	AA	TT	1940466912
SNP_P1_205268_108893	NW_004516118.1	Scaffold719	108893	AA	GG	1940466913
SNP_P1_205269_108894	NW_004516118.1	Scaffold719	108894	CC	TT	1940466914
SNP_P1_205271_109186	NW_004516118.1	Scaffold719	109186	GG	AA	1940466915
SNP_P1_205272_109741	NW_004516118.1	Scaffold719	109741	TT	CC	1940466916
SNP_P1_205273_109790	NW_004516118.1	Scaffold719	109790	CC	AA	1940466917

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205274_110496	NW_004516118.1	Scaffold719	110496	AA	GG	1940466918
SNP_P1_205275_110755	NW_004516118.1	Scaffold719	110755	AA	TT	1940466919
SNP_P1_205276_111051	NW_004516118.1	Scaffold719	111051	CC	TT	1940466920
SNP_P1_205277_111103	NW_004516118.1	Scaffold719	111103	TT	GG	1940466921
SNP_P1_205278_111379	NW_004516118.1	Scaffold719	111379	TT	AA	1940466922
SNP_P1_205279_112894	NW_004516118.1	Scaffold719	112894	AA	CC	1940466923
SNP_P1_205280_114589	NW_004516118.1	Scaffold719	114589	GG	TT	1940466924
SNP_P1_205281_114590	NW_004516118.1	Scaffold719	114590	GG	AA	1940466925
SNP_P1_205282_114592	NW_004516118.1	Scaffold719	114592	GG	AA	1940466926
SNP_P1_205283_114597	NW_004516118.1	Scaffold719	114597	CC	AA	1940466927
SNP_P1_205284_114603	NW_004516118.1	Scaffold719	114603	GG	TT	1940466928
SNP_P1_205285_115324	NW_004516118.1	Scaffold719	115324	GG	AA	1940466929
SNP_P1_205286_123432	NW_004516118.1	Scaffold719	123432	TT	CC	1940466930
SNP_P1_205287_123491	NW_004516118.1	Scaffold719	123491	CC	GG	1940466931
SNP_P1_205288_123492	NW_004516118.1	Scaffold719	123492	TT	CC	1940466932
SNP_P1_205289_123532	NW_004516118.1	Scaffold719	123532	TT	AA	1940466933
SNP_P1_205290_123584	NW_004516118.1	Scaffold719	123584	AA	TT	1940466934
SNP_P1_205291_123702	NW_004516118.1	Scaffold719	123702	AA	GG	1940466935
SNP_P1_205292_123714	NW_004516118.1	Scaffold719	123714	TT	GG	1940466936
SNP_P1_205294_123770	NW_004516118.1	Scaffold719	123770	CC	AA	1940466937
SNP_P1_205295_123785	NW_004516118.1	Scaffold719	123785	AA	TT	1940466938
SNP_P1_205296_124115	NW_004516118.1	Scaffold719	124115	TT	AA	1940466939
SNP_P1_205297_124737	NW_004516118.1	Scaffold719	124737	TT	CC	1940466940
SNP_P1_205298_125171	NW_004516118.1	Scaffold719	125171	TT	AA	1940466941
SNP_P1_205299_125582	NW_004516118.1	Scaffold719	125582	GG	AA	1940466942
SNP_P1_205300_125736	NW_004516118.1	Scaffold719	125736	GG	TT	1940466943
SNP_P1_205301_125992	NW_004516118.1	Scaffold719	125992	GG	TT	1940466944
SNP_P1_205302_126004	NW_004516118.1	Scaffold719	126004	TT	GG	1940466945
SNP_P1_205303_127842	NW_004516118.1	Scaffold719	127842	CC	GG	1940466946
SNP_P1_205304_128123	NW_004516118.1	Scaffold719	128123	GG	AA	1940466947
SNP_P1_205305_128526	NW_004516118.1	Scaffold719	128526	TT	CC	1940466948
SNP_P1_205306_128594	NW_004516118.1	Scaffold719	128594	TT	CC	1940466949
SNP_P1_205307_128616	NW_004516118.1	Scaffold719	128616	AA	TT	1940466950
SNP_P1_205309_961	NW_004516119.1	Scaffold720	961	CC	TT	1940466951
SNP_P1_205310_963	NW_004516119.1	Scaffold720	963	AA	GG	1940466952
SNP_P1_205311_1010	NW_004516119.1	Scaffold720	1010	CC	TT	1940466953
SNP_P1_205312_1025	NW_004516119.1	Scaffold720	1025	AA	CC	1940466954
SNP_P1_205313_1026	NW_004516119.1	Scaffold720	1026	AA	GG	1940466955
SNP_P1_205314_1028	NW_004516119.1	Scaffold720	1028	CC	TT	1940466956
SNP_P1_205315_1035	NW_004516119.1	Scaffold720	1035	AA	GG	1940466957
SNP_P1_205316_1249	NW_004516119.1	Scaffold720	1249	TT	CC	1940466958
SNP_P1_205317_1277	NW_004516119.1	Scaffold720	1277	TT	AA	1940466960

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205318_1314	NW_004516119.1	Scaffold720	1314	AA	TT	1940466961
SNP_P1_205319_1371	NW_004516119.1	Scaffold720	1371	CC	TT	1940466962
SNP_P1_205320_1392	NW_004516119.1	Scaffold720	1392	TT	CC	1940466963
SNP_P1_205321_1395	NW_004516119.1	Scaffold720	1395	CC	AA	1940466964
SNP_P1_205322_18524	NW_004516119.1	Scaffold720	18524	GG	AA	1940466965
SNP_P1_205323_18790	NW_004516119.1	Scaffold720	18790	TT	AA	1940466966
SNP_P1_205324_18864	NW_004516119.1	Scaffold720	18864	GG	CC	1940466967
SNP_P1_205325_18875	NW_004516119.1	Scaffold720	18875	TT	GG	1940466968
SNP_P1_205326_18906	NW_004516119.1	Scaffold720	18906	CC	TT	1940466969
SNP_P1_205327_18985	NW_004516119.1	Scaffold720	18985	GG	CC	1940466970
SNP_P1_205328_19070	NW_004516119.1	Scaffold720	19070	GG	AA	1940466971
SNP_P1_205330_53725	NW_004516119.1	Scaffold720	53725	AA	GG	1940466972
SNP_P1_205331_57434	NW_004516119.1	Scaffold720	57434	AA	GG	1940466973
SNP_P1_205332_57449	NW_004516119.1	Scaffold720	57449	AA	CC	1940466974
SNP_P1_205333_57451	NW_004516119.1	Scaffold720	57451	CC	AA	1940466975
SNP_P1_205334_57490	NW_004516119.1	Scaffold720	57490	CC	AA	1940466976
SNP_P1_205335_58997	NW_004516119.1	Scaffold720	58997	CC	AA	1940466977
SNP_P1_205337_77019	NW_004516119.1	Scaffold720	77019	CC	GG	1940466978
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SNP_P1_205339_77108	NW_004516119.1	Scaffold720	77108	CC	GG	1940466980
SNP_P1_205340_77408	NW_004516119.1	Scaffold720	77408	TT	AA	1940466981
SNP_P1_205341_107779	NW_004516119.1	Scaffold720	107779	GG	AA	1940466982
SNP_P1_205342_111479	NW_004516119.1	Scaffold720	111479	CC	AA	1940466983
SNP_P1_205343_118371	NW_004516119.1	Scaffold720	118371	GG	AA	1940466984
SNP_P1_205344_129595	NW_004516119.1	Scaffold720	129595	CC	AA	1940466985
SNP_P1_205345_129655	NW_004516119.1	Scaffold720	129655	GG	AA	1940466986
SNP_P1_205346_130905	NW_004516119.1	Scaffold720	130905	GG	AA	1940466987
SNP_P1_205348_151591	NW_004516119.1	Scaffold720	151591	TT	CC	1940466988
SNP_P1_205349_153197	NW_004516119.1	Scaffold720	153197	TT	CC	1940466989
SNP_P1_205350_158120	NW_004516119.1	Scaffold720	158120	TT	AA	1940466990
SNP_P1_205352_179018	NW_004516119.1	Scaffold720	179018	AA	CC	1940466991
SNP_P1_205353_179064	NW_004516119.1	Scaffold720	179064	AA	GG	1940466992
SNP_P1_205354_179071	NW_004516119.1	Scaffold720	179071	TT	CC	1940466993
SNP_P1_205355_179581	NW_004516119.1	Scaffold720	179581	CC	TT	1940466994
SNP_P1_205356_211326	NW_004516119.1	Scaffold720	211326	TT	AA	1940466995
SNP_P1_205357_211338	NW_004516119.1	Scaffold720	211338	AA	GG	1940466996
SNP_P1_205358_214200	NW_004516119.1	Scaffold720	214200	AA	TT	1940466997
SNP_P1_205359_221334	NW_004516119.1	Scaffold720	221334	TT	CC	1940466998
SNP_P1_205360_221336	NW_004516119.1	Scaffold720	221336	GG	TT	1940466999
SNP_P1_205361_222510	NW_004516119.1	Scaffold720	222510	CC	TT	1940467000
SNP_P1_205362_223142	NW_004516119.1	Scaffold720	223142	CC	TT	1940467001
SNP_P1_205363_223186	NW_004516119.1	Scaffold720	223186	CC	TT	1940467002

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205364_223198	NW_004516119.1	Scaffold720	223198	GG	AA	1940467003
SNP_P1_205365_223283	NW_004516119.1	Scaffold720	223283	AA	TT	1940467004
SNP_P1_205366_223302	NW_004516119.1	Scaffold720	223302	TT	CC	1940467005
SNP_P1_205367_223315	NW_004516119.1	Scaffold720	223315	AA	CC	1940467006
SNP_P1_205368_223533	NW_004516119.1	Scaffold720	223533	CC	TT	1940467007
SNP_P1_205369_223541	NW_004516119.1	Scaffold720	223541	TT	CC	1940467008
SNP_P1_205370_223557	NW_004516119.1	Scaffold720	223557	TT	CC	1940467009
SNP_P1_205371_223560	NW_004516119.1	Scaffold720	223560	AA	GG	1940467010
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SNP_P1_205373_223600	NW_004516119.1	Scaffold720	223600	AA	TT	1940467012
SNP_P1_205374_223698	NW_004516119.1	Scaffold720	223698	TT	CC	1940467013
SNP_P1_205375_223709	NW_004516119.1	Scaffold720	223709	AA	CC	1940467014
SNP_P1_205376_241777	NW_004516119.1	Scaffold720	241777	TT	GG	1940467015
SNP_P1_205377_241779	NW_004516119.1	Scaffold720	241779	TT	CC	1940467016
SNP_P1_205378_252570	NW_004516119.1	Scaffold720	252570	AA	GG	1940467017
SNP_P1_205379_278350	NW_004516119.1	Scaffold720	278350	TT	CC	1940467018
SNP_P1_205380_289537	NW_004516119.1	Scaffold720	289537	TT	CC	1940467019
SNP_P1_205381_296689	NW_004516119.1	Scaffold720	296689	TT	AA	1940467020
SNP_P1_205382_296865	NW_004516119.1	Scaffold720	296865	AA	GG	1940467021
SNP_P1_205383_296871	NW_004516119.1	Scaffold720	296871	TT	GG	1940467022
SNP_P1_205384_297034	NW_004516119.1	Scaffold720	297034	CC	AA	1940467023
SNP_P1_205385_297071	NW_004516119.1	Scaffold720	297071	TT	CC	1940467024
SNP_P1_205386_297195	NW_004516119.1	Scaffold720	297195	AA	GG	1940467025
SNP_P1_205387_297250	NW_004516119.1	Scaffold720	297250	AA	CC	1940467026
SNP_P1_205388_297258	NW_004516119.1	Scaffold720	297258	CC	TT	1940467027
SNP_P1_205389_297268	NW_004516119.1	Scaffold720	297268	AA	GG	1940467028
SNP_P1_205390_297281	NW_004516119.1	Scaffold720	297281	GG	AA	1940467029
SNP_P1_205391_297341	NW_004516119.1	Scaffold720	297341	AA	CC	1940467030
SNP_P1_205392_297342	NW_004516119.1	Scaffold720	297342	GG	AA	1940467031
SNP_P1_205393_297452	NW_004516119.1	Scaffold720	297452	CC	TT	1940467032
SNP_P1_205394_297522	NW_004516119.1	Scaffold720	297522	AA	CC	1940467033
SNP_P1_205395_297529	NW_004516119.1	Scaffold720	297529	AA	GG	1940467034
SNP_P1_205396_297652	NW_004516119.1	Scaffold720	297652	GG	AA	1940467035
SNP_P1_205397_297690	NW_004516119.1	Scaffold720	297690	GG	AA	1940467036
SNP_P1_205398_297729	NW_004516119.1	Scaffold720	297729	CC	AA	1940467037
SNP_P1_205399_297747	NW_004516119.1	Scaffold720	297747	AA	GG	1940467038
SNP_P1_205400_297797	NW_004516119.1	Scaffold720	297797	AA	CC	1940467039
SNP_P1_205401_297886	NW_004516119.1	Scaffold720	297886	TT	GG	1940467040
SNP_P1_205402_297960	NW_004516119.1	Scaffold720	297960	AA	CC	1940467041
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SNP_P1_205404_298283	NW_004516119.1	Scaffold720	298283	TT	CC	1940467043
SNP_P1_205405_299038	NW_004516119.1	Scaffold720	299038	GG	TT	1940467044

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SNP_P1_205406_299056	NW_004516119.1	Scaffold720	299056	TT	CC	1940467045
SNP_P1_205407_299243	NW_004516119.1	Scaffold720	299243	GG	TT	1940467046
SNP_P1_205408_299261	NW_004516119.1	Scaffold720	299261	TT	AA	1940467047
SNP_P1_205409_302556	NW_004516119.1	Scaffold720	302556	CC	TT	1940467048
SNP_P1_205410_318277	NW_004516119.1	Scaffold720	318277	TT	CC	1940467049
SNP_P1_205411_318285	NW_004516119.1	Scaffold720	318285	GG	TT	1940467050
SNP_P1_205412_318294	NW_004516119.1	Scaffold720	318294	GG	TT	1940467051
SNP_P1_205413_318331	NW_004516119.1	Scaffold720	318331	TT	CC	1940467052
SNP_P1_205414_323383	NW_004516119.1	Scaffold720	323383	AA	CC	1940467053
SNP_P1_205415_327324	NW_004516119.1	Scaffold720	327324	CC	GG	1940467054
SNP_P1_205416_327341	NW_004516119.1	Scaffold720	327341	GG	AA	1940467055
SNP_P1_205417_327372	NW_004516119.1	Scaffold720	327372	CC	TT	1940467056
SNP_P1_205418_327706	NW_004516119.1	Scaffold720	327706	TT	CC	1940467057
SNP_P1_205419_329815	NW_004516119.1	Scaffold720	329815	AA	GG	1940467058
SNP_P1_205420_329831	NW_004516119.1	Scaffold720	329831	GG	TT	1940467059
SNP_P1_205421_329851	NW_004516119.1	Scaffold720	329851	TT	AA	1940467060
SNP_P1_205422_329866	NW_004516119.1	Scaffold720	329866	CC	TT	1940467061
SNP_P1_205424_330206	NW_004516119.1	Scaffold720	330206	TT	CC	1940467062
SNP_P1_205425_330297	NW_004516119.1	Scaffold720	330297	CC	AA	1940467063
SNP_P1_205426_330346	NW_004516119.1	Scaffold720	330346	TT	AA	1940467064
SNP_P1_205427_330373	NW_004516119.1	Scaffold720	330373	CC	AA	1940467065
SNP_P1_205428_330841	NW_004516119.1	Scaffold720	330841	CC	GG	1940467066
SNP_P1_205429_330900	NW_004516119.1	Scaffold720	330900	AA	GG	1940467067
SNP_P1_205430_330903	NW_004516119.1	Scaffold720	330903	GG	TT	1940467068
SNP_P1_205431_330926	NW_004516119.1	Scaffold720	330926	TT	AA	1940467069
SNP_P1_205432_331016	NW_004516119.1	Scaffold720	331016	GG	TT	1940467070
SNP_P1_205433_331170	NW_004516119.1	Scaffold720	331170	CC	TT	1940467071
SNP_P1_205434_331171	NW_004516119.1	Scaffold720	331171	AA	GG	1940467072
SNP_P1_205435_331172	NW_004516119.1	Scaffold720	331172	GG	AA	1940467073
SNP_P1_205436_331182	NW_004516119.1	Scaffold720	331182	CC	TT	1940467074
SNP_P1_205437_332795	NW_004516119.1	Scaffold720	332795	CC	TT	1940467075
SNP_P1_205438_333005	NW_004516119.1	Scaffold720	333005	TT	CC	1940467076
SNP_P1_205439_333020	NW_004516119.1	Scaffold720	333020	CC	TT	1940467077
SNP_P1_205440_333026	NW_004516119.1	Scaffold720	333026	GG	AA	1940467078
SNP_P1_205441_333055	NW_004516119.1	Scaffold720	333055	CC	GG	1940467079
SNP_P1_205442_333062	NW_004516119.1	Scaffold720	333062	GG	CC	1940467080
SNP_P1_205443_333312	NW_004516119.1	Scaffold720	333312	GG	TT	1940467081
SNP_P1_205445_333578	NW_004516119.1	Scaffold720	333578	GG	TT	1940467082
SNP_P1_205446_333608	NW_004516119.1	Scaffold720	333608	GG	AA	1940467083
SNP_P1_205447_333618	NW_004516119.1	Scaffold720	333618	CC	AA	1940467084
SNP_P1_205448_336807	NW_004516119.1	Scaffold720	336807	AA	GG	1940467085
SNP_P1_205449_336812	NW_004516119.1	Scaffold720	336812	TT	GG	1940467086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205450_336874	NW_004516119.1	Scaffold720	336874	AA	GG	1940467087
SNP_P1_205451_337076	NW_004516119.1	Scaffold720	337076	AA	TT	1940467088
SNP_P1_205452_337210	NW_004516119.1	Scaffold720	337210	CC	TT	1940467089
SNP_P1_205453_337262	NW_004516119.1	Scaffold720	337262	AA	TT	1940467090
SNP_P1_205454_337332	NW_004516119.1	Scaffold720	337332	AA	CC	1940467091
SNP_P1_205455_337391	NW_004516119.1	Scaffold720	337391	TT	CC	1940467092
SNP_P1_205456_337456	NW_004516119.1	Scaffold720	337456	AA	GG	1940467093
SNP_P1_205457_337546	NW_004516119.1	Scaffold720	337546	CC	TT	1940467094
SNP_P1_205458_337607	NW_004516119.1	Scaffold720	337607	AA	TT	1940467095
SNP_P1_205459_337691	NW_004516119.1	Scaffold720	337691	AA	CC	1940467096
SNP_P1_205460_337844	NW_004516119.1	Scaffold720	337844	TT	CC	1940467097
SNP_P1_205461_337890	NW_004516119.1	Scaffold720	337890	GG	TT	1940467098
SNP_P1_205462_338153	NW_004516119.1	Scaffold720	338153	AA	GG	1940467099
SNP_P1_205463_338192	NW_004516119.1	Scaffold720	338192	TT	GG	1940467100
SNP_P1_205464_342120	NW_004516119.1	Scaffold720	342120	AA	GG	1940467101
SNP_P1_205465_342300	NW_004516119.1	Scaffold720	342300	GG	AA	1940467102
SNP_P1_205466_344130	NW_004516119.1	Scaffold720	344130	TT	CC	1940467103
SNP_P1_205467_344763	NW_004516119.1	Scaffold720	344763	TT	AA	1940467104
SNP_P1_205468_344828	NW_004516119.1	Scaffold720	344828	GG	AA	1940467105
SNP_P1_205469_344858	NW_004516119.1	Scaffold720	344858	GG	CC	1940467106
SNP_P1_205470_345039	NW_004516119.1	Scaffold720	345039	CC	TT	1940467107
SNP_P1_205471_345052	NW_004516119.1	Scaffold720	345052	TT	AA	1940467108
SNP_P1_205472_345062	NW_004516119.1	Scaffold720	345062	GG	AA	1940467109
SNP_P1_205473_345138	NW_004516119.1	Scaffold720	345138	GG	TT	1940467110
SNP_P1_205474_345201	NW_004516119.1	Scaffold720	345201	TT	CC	1940467111
SNP_P1_205475_345202	NW_004516119.1	Scaffold720	345202	AA	GG	1940467112
SNP_P1_205476_345389	NW_004516119.1	Scaffold720	345389	TT	CC	1940467113
SNP_P1_205477_346768	NW_004516119.1	Scaffold720	346768	TT	CC	1940467114
SNP_P1_205478_346804	NW_004516119.1	Scaffold720	346804	TT	AA	1940467115
SNP_P1_205479_353253	NW_004516119.1	Scaffold720	353253	TT	CC	1940467116
SNP_P1_205480_353463	NW_004516119.1	Scaffold720	353463	CC	TT	1940467117
SNP_P1_205481_353464	NW_004516119.1	Scaffold720	353464	TT	AA	1940467118
SNP_P1_205482_353796	NW_004516119.1	Scaffold720	353796	TT	CC	1940467119
SNP_P1_205483_360595	NW_004516119.1	Scaffold720	360595	TT	CC	1940467120
SNP_P1_205484_362943	NW_004516119.1	Scaffold720	362943	AA	GG	1940467121
SNP_P1_205485_364614	NW_004516119.1	Scaffold720	364614	TT	CC	1940467123
SNP_P1_205486_364756	NW_004516119.1	Scaffold720	364756	TT	AA	1940467124
SNP_P1_205488_365908	NW_004516119.1	Scaffold720	365908	CC	TT	1940467125
SNP_P1_205489_365920	NW_004516119.1	Scaffold720	365920	TT	AA	1940467126
SNP_P1_205490_365943	NW_004516119.1	Scaffold720	365943	AA	GG	1940467127
SNP_P1_205491_365971	NW_004516119.1	Scaffold720	365971	TT	CC	1940467128
SNP_P1_205492_365974	NW_004516119.1	Scaffold720	365974	TT	CC	1940467129

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205493_370011	NW_004516119.1	Scaffold720	370011	GG	TT	1940467130
SNP_P1_205494_370028	NW_004516119.1	Scaffold720	370028	GG	AA	1940467131
SNP_P1_205495_370067	NW_004516119.1	Scaffold720	370067	AA	TT	1940467132
SNP_P1_205496_370070	NW_004516119.1	Scaffold720	370070	AA	GG	1940467133
SNP_P1_205497_370137	NW_004516119.1	Scaffold720	370137	TT	CC	1940467134
SNP_P1_205498_370223	NW_004516119.1	Scaffold720	370223	GG	AA	1940467135
SNP_P1_205499_370224	NW_004516119.1	Scaffold720	370224	AA	GG	1940467136
SNP_P1_205500_370229	NW_004516119.1	Scaffold720	370229	AA	CC	1940467137
SNP_P1_205501_370297	NW_004516119.1	Scaffold720	370297	CC	TT	1940467138
SNP_P1_205502_370374	NW_004516119.1	Scaffold720	370374	TT	CC	1940467139
SNP_P1_205503_370465	NW_004516119.1	Scaffold720	370465	TT	AA	1940467140
SNP_P1_205504_370559	NW_004516119.1	Scaffold720	370559	GG	CC	1940467141
SNP_P1_205505_370639	NW_004516119.1	Scaffold720	370639	TT	AA	1940467142
SNP_P1_205507_370725	NW_004516119.1	Scaffold720	370725	AA	GG	1940467143
SNP_P1_205508_370814	NW_004516119.1	Scaffold720	370814	GG	AA	1940467144
SNP_P1_205509_370924	NW_004516119.1	Scaffold720	370924	CC	AA	1940467145
SNP_P1_205510_371463	NW_004516119.1	Scaffold720	371463	AA	TT	1940467146
SNP_P1_205511_371609	NW_004516119.1	Scaffold720	371609	TT	CC	1940467147
SNP_P1_205512_371637	NW_004516119.1	Scaffold720	371637	GG	AA	1940467148
SNP_P1_205513_371886	NW_004516119.1	Scaffold720	371886	GG	AA	1940467149
SNP_P1_205515_6332	NW_004516120.1	Scaffold721	6332	TT	CC	1940467150
SNP_P1_205516_6343	NW_004516120.1	Scaffold721	6343	AA	GG	1940467151
SNP_P1_205517_6356	NW_004516120.1	Scaffold721	6356	TT	CC	1940467152
SNP_P1_205518_6357	NW_004516120.1	Scaffold721	6357	CC	GG	1940467153
SNP_P1_205519_13121	NW_004516120.1	Scaffold721	13121	AA	TT	1940467154
SNP_P1_205521_14132	NW_004516120.1	Scaffold721	14132	TT	AA	1940467155
SNP_P1_205522_14185	NW_004516120.1	Scaffold721	14185	TT	AA	1940467156
SNP_P1_205523_15672	NW_004516120.1	Scaffold721	15672	TT	AA	1940467157
SNP_P1_205524_15945	NW_004516120.1	Scaffold721	15945	AA	TT	1940467158
SNP_P1_205526_36779	NW_004516120.1	Scaffold721	36779	TT	AA	1940467159
SNP_P1_205527_39389	NW_004516120.1	Scaffold721	39389	GG	AA	1940467160
SNP_P1_205528_48198	NW_004516120.1	Scaffold721	48198	TT	AA	1940467161
SNP_P1_205529_48215	NW_004516120.1	Scaffold721	48215	AA	CC	1940467162
SNP_P1_205530_48218	NW_004516120.1	Scaffold721	48218	AA	GG	1940467163
SNP_P1_205531_57827	NW_004516120.1	Scaffold721	57827	GG	TT	1940467164
SNP_P1_205532_58540	NW_004516120.1	Scaffold721	58540	AA	TT	1940467165
SNP_P1_205533_58543	NW_004516120.1	Scaffold721	58543	GG	TT	1940467166
SNP_P1_205534_58547	NW_004516120.1	Scaffold721	58547	TT	AA	1940467167
SNP_P1_205535_58555	NW_004516120.1	Scaffold721	58555	AA	GG	1940467168
SNP_P1_205536_58556	NW_004516120.1	Scaffold721	58556	CC	TT	1940467169
SNP_P1_205537_58557	NW_004516120.1	Scaffold721	58557	AA	TT	1940467170
SNP_P1_205538_58564	NW_004516120.1	Scaffold721	58564	GG	TT	1940467171

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205539_66141	NW_004516120.1	Scaffold721	66141	AA	GG	1940467172
SNP_P1_205540_66811	NW_004516120.1	Scaffold721	66811	TT	AA	1940467173
SNP_P1_205541_66821	NW_004516120.1	Scaffold721	66821	TT	CC	1940467174
SNP_P1_205542_66822	NW_004516120.1	Scaffold721	66822	GG	CC	1940467175
SNP_P1_205543_77608	NW_004516120.1	Scaffold721	77608	TT	CC	1940467176
SNP_P1_205544_77872	NW_004516120.1	Scaffold721	77872	TT	GG	1940467177
SNP_P1_205545_77888	NW_004516120.1	Scaffold721	77888	CC	GG	1940467178
SNP_P1_205546_77906	NW_004516120.1	Scaffold721	77906	AA	GG	1940467179
SNP_P1_205547_78011	NW_004516120.1	Scaffold721	78011	CC	TT	1940467180
SNP_P1_205548_79040	NW_004516120.1	Scaffold721	79040	TT	AA	1940467181
SNP_P1_205549_80744	NW_004516120.1	Scaffold721	80744	CC	TT	1940467182
SNP_P1_205550_80760	NW_004516120.1	Scaffold721	80760	CC	TT	1940467183
SNP_P1_205551_80765	NW_004516120.1	Scaffold721	80765	GG	AA	1940467184
SNP_P1_205552_81273	NW_004516120.1	Scaffold721	81273	TT	AA	1940467185
SNP_P1_205553_81630	NW_004516120.1	Scaffold721	81630	AA	GG	1940467186
SNP_P1_205554_81633	NW_004516120.1	Scaffold721	81633	TT	AA	1940467187
SNP_P1_205555_81688	NW_004516120.1	Scaffold721	81688	CC	TT	1940467188
SNP_P1_205556_82114	NW_004516120.1	Scaffold721	82114	AA	TT	1940467189
SNP_P1_205557_100130	NW_004516120.1	Scaffold721	100130	TT	CC	1940467190
SNP_P1_205558_106435	NW_004516120.1	Scaffold721	106435	CC	TT	1940467191
SNP_P1_205559_106436	NW_004516120.1	Scaffold721	106436	AA	GG	1940467192
SNP_P1_205560_106496	NW_004516120.1	Scaffold721	106496	AA	GG	1940467193
SNP_P1_205561_106546	NW_004516120.1	Scaffold721	106546	CC	TT	1940467194
SNP_P1_205562_106722	NW_004516120.1	Scaffold721	106722	GG	AA	1940467195
SNP_P1_205563_106828	NW_004516120.1	Scaffold721	106828	AA	CC	1940467196
SNP_P1_205564_106864	NW_004516120.1	Scaffold721	106864	TT	CC	1940467197
SNP_P1_205565_106875	NW_004516120.1	Scaffold721	106875	TT	AA	1940467198
SNP_P1_205566_106882	NW_004516120.1	Scaffold721	106882	TT	CC	1940467199
SNP_P1_205567_106909	NW_004516120.1	Scaffold721	106909	GG	AA	1940467200
SNP_P1_205568_107074	NW_004516120.1	Scaffold721	107074	AA	GG	1940467201
SNP_P1_205569_107085	NW_004516120.1	Scaffold721	107085	CC	TT	1940467202
SNP_P1_205570_107349	NW_004516120.1	Scaffold721	107349	AA	GG	1940467203
SNP_P1_205571_107367	NW_004516120.1	Scaffold721	107367	GG	AA	1940467204
SNP_P1_205572_107401	NW_004516120.1	Scaffold721	107401	GG	AA	1940467205
SNP_P1_205573_111133	NW_004516120.1	Scaffold721	111133	AA	GG	1940467206
SNP_P1_205574_111143	NW_004516120.1	Scaffold721	111143	TT	GG	1940467207
SNP_P1_205575_146307	NW_004516120.1	Scaffold721	146307	TT	CC	1940467208
SNP_P1_205576_154700	NW_004516120.1	Scaffold721	154700	TT	CC	1940467209
SNP_P1_205577_161285	NW_004516120.1	Scaffold721	161285	GG	TT	1940467210
SNP_P1_205578_163637	NW_004516120.1	Scaffold721	163637	TT	CC	1940467211
SNP_P1_205579_163638	NW_004516120.1	Scaffold721	163638	TT	CC	1940467212
SNP_P1_205581_166409	NW_004516120.1	Scaffold721	166409	TT	GG	1940467213

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205582_174647	NW_004516120.1	Scaffold721	174647	AA	GG	1940467214
SNP_P1_205583_183436	NW_004516120.1	Scaffold721	183436	CC	TT	1940467215
SNP_P1_205584_186446	NW_004516120.1	Scaffold721	186446	CC	AA	1940467216
SNP_P1_205585_187782	NW_004516120.1	Scaffold721	187782	CC	GG	1940467217
SNP_P1_205586_188060	NW_004516120.1	Scaffold721	188060	GG	AA	1940467218
SNP_P1_205587_190489	NW_004516120.1	Scaffold721	190489	AA	GG	1940467219
SNP_P1_205588_190492	NW_004516120.1	Scaffold721	190492	AA	GG	1940467220
SNP_P1_205589_190511	NW_004516120.1	Scaffold721	190511	CC	TT	1940467221
SNP_P1_205590_190566	NW_004516120.1	Scaffold721	190566	CC	AA	1940467222
SNP_P1_205591_190695	NW_004516120.1	Scaffold721	190695	TT	CC	1940467223
SNP_P1_205592_190701	NW_004516120.1	Scaffold721	190701	TT	AA	1940467224
SNP_P1_205593_190704	NW_004516120.1	Scaffold721	190704	CC	AA	1940467225
SNP_P1_205594_191042	NW_004516120.1	Scaffold721	191042	TT	AA	1940467226
SNP_P1_205595_191055	NW_004516120.1	Scaffold721	191055	TT	GG	1940467227
SNP_P1_205597_192442	NW_004516120.1	Scaffold721	192442	GG	AA	1940467228
SNP_P1_205598_516	NW_004516121.1	Scaffold723	516	CC	GG	1940467229
SNP_P1_205599_1314	NW_004516121.1	Scaffold723	1314	TT	CC	1940467230
SNP_P1_205600_10517	NW_004516121.1	Scaffold723	10517	TT	CC	1940467231
SNP_P1_205601_10549	NW_004516121.1	Scaffold723	10549	TT	CC	1940467232
SNP_P1_205602_10570	NW_004516121.1	Scaffold723	10570	TT	CC	1940467233
SNP_P1_205603_10731	NW_004516121.1	Scaffold723	10731	AA	GG	1940467234
SNP_P1_205604_10788	NW_004516121.1	Scaffold723	10788	AA	CC	1940467235
SNP_P1_205605_10791	NW_004516121.1	Scaffold723	10791	GG	CC	1940467236
SNP_P1_205606_10803	NW_004516121.1	Scaffold723	10803	TT	GG	1940467237
SNP_P1_205607_10845	NW_004516121.1	Scaffold723	10845	CC	AA	1940467238
SNP_P1_205608_10855	NW_004516121.1	Scaffold723	10855	CC	AA	1940467239
SNP_P1_205609_16004	NW_004516122.1	Scaffold724	16004	TT	CC	1940467240
SNP_P1_205610_16027	NW_004516122.1	Scaffold724	16027	AA	CC	1940467241
SNP_P1_205611_16087	NW_004516122.1	Scaffold724	16087	AA	GG	1940467242
SNP_P1_205612_16167	NW_004516122.1	Scaffold724	16167	TT	CC	1940467243
SNP_P1_205613_24234	NW_004516122.1	Scaffold724	24234	GG	CC	1940467244
SNP_P1_205614_25019	NW_004516122.1	Scaffold724	25019	GG	AA	1940467245
SNP_P1_205615_28176	NW_004516122.1	Scaffold724	28176	TT	CC	1940467246
SNP_P1_205617_44067	NW_004516122.1	Scaffold724	44067	CC	TT	1940467247
SNP_P1_205618_57243	NW_004516122.1	Scaffold724	57243	TT	GG	1940467248
SNP_P1_205619_71391	NW_004516122.1	Scaffold724	71391	AA	CC	1940467249
SNP_P1_205621_91988	NW_004516122.1	Scaffold724	91988	TT	CC	1940467250
SNP_P1_205622_92008	NW_004516122.1	Scaffold724	92008	TT	CC	1940467251
SNP_P1_205623_92027	NW_004516122.1	Scaffold724	92027	TT	CC	1940467252
SNP_P1_205624_99614	NW_004516122.1	Scaffold724	99614	TT	CC	1940467253
SNP_P1_205625_99654	NW_004516122.1	Scaffold724	99654	AA	TT	1940467254
SNP_P1_205626_99720	NW_004516122.1	Scaffold724	99720	TT	AA	1940467255

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205627_99758	NW_004516122.1	Scaffold724	99758	TT	GG	1940467256
SNP_P1_205628_100070	NW_004516122.1	Scaffold724	100070	GG	AA	1940467257
SNP_P1_205631_100270	NW_004516122.1	Scaffold724	100270	TT	AA	1940467258
SNP_P1_205633_100364	NW_004516122.1	Scaffold724	100364	CC	GG	1940467259
SNP_P1_205634_100430	NW_004516122.1	Scaffold724	100430	TT	CC	1940467260
SNP_P1_205635_100443	NW_004516122.1	Scaffold724	100443	AA	GG	1940467261
SNP_P1_205636_100456	NW_004516122.1	Scaffold724	100456	AA	CC	1940467262
SNP_P1_205637_100461	NW_004516122.1	Scaffold724	100461	AA	TT	1940467263
SNP_P1_205639_100739	NW_004516122.1	Scaffold724	100739	GG	TT	1940467264
SNP_P1_205640_101011	NW_004516122.1	Scaffold724	101011	CC	TT	1940467265
SNP_P1_205641_101189	NW_004516122.1	Scaffold724	101189	TT	CC	1940467266
SNP_P1_205643_101623	NW_004516122.1	Scaffold724	101623	TT	AA	1940467267
SNP_P1_205644_103720	NW_004516122.1	Scaffold724	103720	AA	CC	1940467268
SNP_P1_205645_103997	NW_004516122.1	Scaffold724	103997	GG	TT	1940467269
SNP_P1_205646_106540	NW_004516122.1	Scaffold724	106540	CC	TT	1940467270
SNP_P1_205647_108596	NW_004516122.1	Scaffold724	108596	TT	AA	1940467271
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SNP_P1_205649_112451	NW_004516122.1	Scaffold724	112451	CC	TT	1940467273
SNP_P1_205650_126302	NW_004516122.1	Scaffold724	126302	CC	TT	1940467274
SNP_P1_205651_126346	NW_004516122.1	Scaffold724	126346	AA	CC	1940467275
SNP_P1_205652_126354	NW_004516122.1	Scaffold724	126354	CC	TT	1940467276
SNP_P1_205653_126458	NW_004516122.1	Scaffold724	126458	TT	CC	1940467277
SNP_P1_205654_126496	NW_004516122.1	Scaffold724	126496	CC	TT	1940467278
SNP_P1_205655_126732	NW_004516122.1	Scaffold724	126732	TT	CC	1940467279
SNP_P1_205656_126733	NW_004516122.1	Scaffold724	126733	CC	TT	1940467280
SNP_P1_205658_126992	NW_004516122.1	Scaffold724	126992	CC	TT	1940467281
SNP_P1_205659_127017	NW_004516122.1	Scaffold724	127017	CC	AA	1940467283
SNP_P1_205660_127280	NW_004516122.1	Scaffold724	127280	CC	TT	1940467284
SNP_P1_205661_127497	NW_004516122.1	Scaffold724	127497	AA	GG	1940467285
SNP_P1_205662_127517	NW_004516122.1	Scaffold724	127517	AA	GG	1940467286
SNP_P1_205663_127526	NW_004516122.1	Scaffold724	127526	GG	AA	1940467287
SNP_P1_205664_94	NW_004516123.1	Scaffold725	94	AA	GG	1940467288
SNP_P1_205665_98	NW_004516123.1	Scaffold725	98	AA	GG	1940467289
SNP_P1_205666_191	NW_004516123.1	Scaffold725	191	AA	GG	1940467290
SNP_P1_205667_567	NW_004516123.1	Scaffold725	567	TT	AA	1940467291
SNP_P1_205668_922	NW_004516123.1	Scaffold725	922	GG	AA	1940467292
SNP_P1_205669_923	NW_004516123.1	Scaffold725	923	AA	TT	1940467293
SNP_P1_205670_1315	NW_004516123.1	Scaffold725	1315	CC	AA	1940467294
SNP_P1_205671_1568	NW_004516124.1	Scaffold728	1568	TT	GG	1940467295
SNP_P1_205672_1573	NW_004516124.1	Scaffold728	1573	TT	AA	1940467296
SNP_P1_205673_17175	NW_004516124.1	Scaffold728	17175	TT	CC	1940467297
SNP_P1_205675_17956	NW_004516124.1	Scaffold728	17956	AA	TT	1940467298

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205676_17971	NW_004516124.1	Scaffold728	17971	AA	TT	1940467299
SNP_P1_205677_20344	NW_004516124.1	Scaffold728	20344	AA	TT	1940467300
SNP_P1_205678_30100	NW_004516124.1	Scaffold728	30100	AA	GG	1940467301
SNP_P1_205679_33554	NW_004516124.1	Scaffold728	33554	CC	AA	1940467302
SNP_P1_205680_33557	NW_004516124.1	Scaffold728	33557	AA	TT	1940467303
SNP_P1_205681_34086	NW_004516124.1	Scaffold728	34086	CC	TT	1940467304
SNP_P1_205683_40657	NW_004516124.1	Scaffold728	40657	CC	AA	1940467305
SNP_P1_205684_41942	NW_004516124.1	Scaffold728	41942	TT	CC	1940467306
SNP_P1_205685_42006	NW_004516124.1	Scaffold728	42006	TT	CC	1940467307
SNP_P1_205686_42041	NW_004516124.1	Scaffold728	42041	CC	TT	1940467308
SNP_P1_205687_42076	NW_004516124.1	Scaffold728	42076	CC	TT	1940467309
SNP_P1_205688_42145	NW_004516124.1	Scaffold728	42145	CC	GG	1940467310
SNP_P1_205689_42166	NW_004516124.1	Scaffold728	42166	GG	TT	1940467311
SNP_P1_205690_42257	NW_004516124.1	Scaffold728	42257	TT	CC	1940467312
SNP_P1_205691_42401	NW_004516124.1	Scaffold728	42401	AA	CC	1940467313
SNP_P1_205692_42583	NW_004516124.1	Scaffold728	42583	CC	AA	1940467314
SNP_P1_205693_42741	NW_004516124.1	Scaffold728	42741	AA	TT	1940467315
SNP_P1_205694_42866	NW_004516124.1	Scaffold728	42866	GG	AA	1940467316
SNP_P1_205695_42872	NW_004516124.1	Scaffold728	42872	CC	TT	1940467317
SNP_P1_205696_42883	NW_004516124.1	Scaffold728	42883	CC	TT	1940467318
SNP_P1_205697_42921	NW_004516124.1	Scaffold728	42921	TT	CC	1940467319
SNP_P1_205698_42971	NW_004516124.1	Scaffold728	42971	TT	CC	1940467320
SNP_P1_205699_42974	NW_004516124.1	Scaffold728	42974	TT	CC	1940467321
SNP_P1_205700_43259	NW_004516124.1	Scaffold728	43259	CC	TT	1940467322
SNP_P1_205701_43271	NW_004516124.1	Scaffold728	43271	GG	TT	1940467323
SNP_P1_205702_43279	NW_004516124.1	Scaffold728	43279	GG	CC	1940467324
SNP_P1_205704_43728	NW_004516124.1	Scaffold728	43728	TT	CC	1940467325
SNP_P1_205705_811	NW_004516125.1	Scaffold731	811	AA	GG	1940467326
SNP_P1_205706_825	NW_004516125.1	Scaffold731	825	GG	TT	1940467327
SNP_P1_205707_5239	NW_004516125.1	Scaffold731	5239	TT	CC	1940467328
SNP_P1_205708_5385	NW_004516125.1	Scaffold731	5385	TT	CC	1940467329
SNP_P1_205709_21775	NW_004516125.1	Scaffold731	21775	GG	AA	1940467330
SNP_P1_205710_26434	NW_004516125.1	Scaffold731	26434	TT	CC	1940467331
SNP_P1_205711_27127	NW_004516125.1	Scaffold731	27127	AA	TT	1940467332
SNP_P1_205712_27384	NW_004516125.1	Scaffold731	27384	TT	CC	1940467333
SNP_P1_205713_27395	NW_004516125.1	Scaffold731	27395	CC	TT	1940467334
SNP_P1_205714_27417	NW_004516125.1	Scaffold731	27417	GG	CC	1940467335
SNP_P1_205715_27426	NW_004516125.1	Scaffold731	27426	TT	CC	1940467336
SNP_P1_205716_27446	NW_004516125.1	Scaffold731	27446	AA	CC	1940467337
SNP_P1_205718_36389	NW_004516125.1	Scaffold731	36389	AA	GG	1940467338
SNP_P1_205719_41545	NW_004516125.1	Scaffold731	41545	TT	GG	1940467339
SNP_P1_205720_49047	NW_004516125.1	Scaffold731	49047	TT	AA	1940467340

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205721_49264	NW_004516125.1	Scaffold731	49264	CC	TT	1940467341
SNP_P1_205722_49357	NW_004516125.1	Scaffold731	49357	TT	CC	1940467342
SNP_P1_205723_49483	NW_004516125.1	Scaffold731	49483	AA	GG	1940467343
SNP_P1_205724_49519	NW_004516125.1	Scaffold731	49519	TT	CC	1940467344
SNP_P1_205725_49569	NW_004516125.1	Scaffold731	49569	GG	TT	1940467345
SNP_P1_205726_49573	NW_004516125.1	Scaffold731	49573	CC	TT	1940467346
SNP_P1_205727_49586	NW_004516125.1	Scaffold731	49586	GG	AA	1940467347
SNP_P1_205728_49595	NW_004516125.1	Scaffold731	49595	GG	AA	1940467348
SNP_P1_205729_49596	NW_004516125.1	Scaffold731	49596	TT	GG	1940467349
SNP_P1_205730_49610	NW_004516125.1	Scaffold731	49610	AA	GG	1940467350
SNP_P1_205734_73845	NW_004516125.1	Scaffold731	73845	AA	GG	1940467351
SNP_P1_205737_94777	NW_004516125.1	Scaffold731	94777	TT	CC	1940467352
SNP_P1_205738_102778	NW_004516125.1	Scaffold731	102778	TT	GG	1940467353
SNP_P1_205739_104675	NW_004516125.1	Scaffold731	104675	CC	TT	1940467354
SNP_P1_205740_109784	NW_004516125.1	Scaffold731	109784	AA	GG	1940467355
SNP_P1_205741_135531	NW_004516125.1	Scaffold731	135531	TT	GG	1940467356
SNP_P1_205742_135753	NW_004516125.1	Scaffold731	135753	TT	CC	1940467357
SNP_P1_205743_135868	NW_004516125.1	Scaffold731	135868	CC	TT	1940467358
SNP_P1_205744_135875	NW_004516125.1	Scaffold731	135875	CC	GG	1940467359
SNP_P1_205745_135890	NW_004516125.1	Scaffold731	135890	CC	AA	1940467360
SNP_P1_205746_135967	NW_004516125.1	Scaffold731	135967	GG	AA	1940467361
SNP_P1_205747_136046	NW_004516125.1	Scaffold731	136046	GG	TT	1940467362
SNP_P1_205748_136119	NW_004516125.1	Scaffold731	136119	AA	GG	1940467363
SNP_P1_205749_136144	NW_004516125.1	Scaffold731	136144	CC	TT	1940467364
SNP_P1_205750_136150	NW_004516125.1	Scaffold731	136150	TT	CC	1940467365
SNP_P1_205751_136301	NW_004516125.1	Scaffold731	136301	AA	TT	1940467366
SNP_P1_205752_139492	NW_004516125.1	Scaffold731	139492	CC	TT	1940467367
SNP_P1_205753_139525	NW_004516125.1	Scaffold731	139525	TT	CC	1940467368
SNP_P1_205754_139554	NW_004516125.1	Scaffold731	139554	TT	CC	1940467369
SNP_P1_205755_143725	NW_004516125.1	Scaffold731	143725	CC	AA	1940467370
SNP_P1_205756_143747	NW_004516125.1	Scaffold731	143747	CC	TT	1940467371
SNP_P1_205757_144341	NW_004516125.1	Scaffold731	144341	CC	TT	1940467372
SNP_P1_205758_145761	NW_004516125.1	Scaffold731	145761	AA	GG	1940467373
SNP_P1_205759_145765	NW_004516125.1	Scaffold731	145765	CC	TT	1940467374
SNP_P1_205760_148616	NW_004516125.1	Scaffold731	148616	GG	CC	1940467375
SNP_P1_205761_148640	NW_004516125.1	Scaffold731	148640	TT	CC	1940467376
SNP_P1_205763_169607	NW_004516125.1	Scaffold731	169607	TT	CC	1940467377
SNP_P1_205764_169608	NW_004516125.1	Scaffold731	169608	AA	TT	1940467378
SNP_P1_205765_169613	NW_004516125.1	Scaffold731	169613	GG	AA	1940467379
SNP_P1_205766_169646	NW_004516125.1	Scaffold731	169646	TT	GG	1940467380
SNP_P1_205767_169671	NW_004516125.1	Scaffold731	169671	TT	GG	1940467381
SNP_P1_205768_170040	NW_004516125.1	Scaffold731	170040	TT	CC	1940467382

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205769_170094	NW_004516125.1	Scaffold731	170094	AA	GG	1940467383
SNP_P1_205770_170128	NW_004516125.1	Scaffold731	170128	AA	GG	1940467384
SNP_P1_205771_170935	NW_004516125.1	Scaffold731	170935	CC	TT	1940467385
SNP_P1_205772_183581	NW_004516125.1	Scaffold731	183581	TT	CC	1940467386
SNP_P1_205773_184324	NW_004516125.1	Scaffold731	184324	TT	GG	1940467387
SNP_P1_205774_198301	NW_004516125.1	Scaffold731	198301	TT	CC	1940467388
SNP_P1_205775_204232	NW_004516125.1	Scaffold731	204232	AA	CC	1940467389
SNP_P1_205776_205299	NW_004516125.1	Scaffold731	205299	GG	AA	1940467390
SNP_P1_205777_205482	NW_004516125.1	Scaffold731	205482	CC	GG	1940467391
SNP_P1_205778_206069	NW_004516125.1	Scaffold731	206069	GG	AA	1940467392
SNP_P1_205779_214453	NW_004516125.1	Scaffold731	214453	TT	GG	1940467393
SNP_P1_205780_224594	NW_004516125.1	Scaffold731	224594	GG	TT	1940467394
SNP_P1_205781_224857	NW_004516125.1	Scaffold731	224857	AA	CC	1940467395
SNP_P1_205782_225259	NW_004516125.1	Scaffold731	225259	AA	CC	1940467396
SNP_P1_205783_225265	NW_004516125.1	Scaffold731	225265	AA	GG	1940467397
SNP_P1_205784_225267	NW_004516125.1	Scaffold731	225267	TT	CC	1940467398
SNP_P1_205786_229511	NW_004516125.1	Scaffold731	229511	GG	AA	1940467399
SNP_P1_205787_259148	NW_004516125.1	Scaffold731	259148	AA	GG	1940467400
SNP_P1_205789_278060	NW_004516125.1	Scaffold731	278060	CC	TT	1940467401
SNP_P1_205790_286048	NW_004516125.1	Scaffold731	286048	AA	TT	1940467402
SNP_P1_205791_293425	NW_004516125.1	Scaffold731	293425	TT	AA	1940467403
SNP_P1_205792_293863	NW_004516125.1	Scaffold731	293863	TT	CC	1940467404
SNP_P1_205793_294205	NW_004516125.1	Scaffold731	294205	AA	GG	1940467405
SNP_P1_205794_300660	NW_004516125.1	Scaffold731	300660	CC	TT	1940467406
SNP_P1_205795_300679	NW_004516125.1	Scaffold731	300679	TT	CC	1940467407
SNP_P1_205796_300969	NW_004516125.1	Scaffold731	300969	TT	CC	1940467408
SNP_P1_205797_300985	NW_004516125.1	Scaffold731	300985	GG	TT	1940467409
SNP_P1_205798_300990	NW_004516125.1	Scaffold731	300990	AA	GG	1940467410
SNP_P1_205799_301065	NW_004516125.1	Scaffold731	301065	GG	CC	1940467411
SNP_P1_205800_301067	NW_004516125.1	Scaffold731	301067	GG	AA	1940467412
SNP_P1_205801_301938	NW_004516125.1	Scaffold731	301938	CC	TT	1940467413
SNP_P1_205802_301939	NW_004516125.1	Scaffold731	301939	TT	CC	1940467414
SNP_P1_205804_310900	NW_004516125.1	Scaffold731	310900	TT	CC	1940467415
SNP_P1_205805_310938	NW_004516125.1	Scaffold731	310938	GG	AA	1940467416
SNP_P1_205806_311089	NW_004516125.1	Scaffold731	311089	CC	GG	1940467417
SNP_P1_205808_313056	NW_004516125.1	Scaffold731	313056	GG	AA	1940467418
SNP_P1_205809_313093	NW_004516125.1	Scaffold731	313093	AA	GG	1940467419
SNP_P1_205810_315329	NW_004516125.1	Scaffold731	315329	AA	CC	1940467420
SNP_P1_205811_315344	NW_004516125.1	Scaffold731	315344	TT	CC	1940467421
SNP_P1_205812_315530	NW_004516125.1	Scaffold731	315530	AA	CC	1940467422
SNP_P1_205813_315563	NW_004516125.1	Scaffold731	315563	TT	CC	1940467423
SNP_P1_205814_315575	NW_004516125.1	Scaffold731	315575	GG	TT	1940467424

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205815_315859	NW_004516125.1	Scaffold731	315859	CC	AA	1940467425
SNP_P1_205817_315913	NW_004516125.1	Scaffold731	315913	GG	AA	1940467426
SNP_P1_205818_315925	NW_004516125.1	Scaffold731	315925	TT	GG	1940467427
SNP_P1_205819_315953	NW_004516125.1	Scaffold731	315953	TT	GG	1940467429
SNP_P1_205820_315987	NW_004516125.1	Scaffold731	315987	GG	AA	1940467430
SNP_P1_205821_322323	NW_004516125.1	Scaffold731	322323	GG	TT	1940467431
SNP_P1_205823_322855	NW_004516125.1	Scaffold731	322855	TT	CC	1940467432
SNP_P1_205825_323252	NW_004516125.1	Scaffold731	323252	TT	AA	1940467433
SNP_P1_205826_323652	NW_004516125.1	Scaffold731	323652	CC	GG	1940467434
SNP_P1_205827_323699	NW_004516125.1	Scaffold731	323699	AA	GG	1940467435
SNP_P1_205831_324561	NW_004516125.1	Scaffold731	324561	AA	GG	1940467436
SNP_P1_205832_324616	NW_004516125.1	Scaffold731	324616	AA	TT	1940467437
SNP_P1_205834_334847	NW_004516125.1	Scaffold731	334847	AA	TT	1940467438
SNP_P1_205835_335021	NW_004516125.1	Scaffold731	335021	AA	GG	1940467439
SNP_P1_205836_335072	NW_004516125.1	Scaffold731	335072	GG	TT	1940467440
SNP_P1_205837_339389	NW_004516125.1	Scaffold731	339389	AA	GG	1940467441
SNP_P1_205838_339423	NW_004516125.1	Scaffold731	339423	GG	AA	1940467442
SNP_P1_205839_340744	NW_004516125.1	Scaffold731	340744	TT	CC	1940467443
SNP_P1_205840_340893	NW_004516125.1	Scaffold731	340893	TT	GG	1940467444
SNP_P1_205841_340986	NW_004516125.1	Scaffold731	340986	TT	AA	1940467445
SNP_P1_205842_341071	NW_004516125.1	Scaffold731	341071	TT	CC	1940467446
SNP_P1_205843_341144	NW_004516125.1	Scaffold731	341144	GG	CC	1940467447
SNP_P1_205844_342054	NW_004516125.1	Scaffold731	342054	GG	TT	1940467448
SNP_P1_205845_342062	NW_004516125.1	Scaffold731	342062	TT	CC	1940467449
SNP_P1_205846_342074	NW_004516125.1	Scaffold731	342074	AA	GG	1940467450
SNP_P1_205848_343859	NW_004516125.1	Scaffold731	343859	CC	TT	1940467451
SNP_P1_205849_343901	NW_004516125.1	Scaffold731	343901	GG	TT	1940467452
SNP_P1_205850_347377	NW_004516125.1	Scaffold731	347377	GG	CC	1940467453
SNP_P1_205851_347396	NW_004516125.1	Scaffold731	347396	GG	AA	1940467454
SNP_P1_205852_347409	NW_004516125.1	Scaffold731	347409	CC	TT	1940467455
SNP_P1_205853_347786	NW_004516125.1	Scaffold731	347786	GG	AA	1940467456
SNP_P1_205854_347792	NW_004516125.1	Scaffold731	347792	CC	TT	1940467457
SNP_P1_205855_347810	NW_004516125.1	Scaffold731	347810	CC	TT	1940467458
SNP_P1_205856_347904	NW_004516125.1	Scaffold731	347904	CC	GG	1940467459
SNP_P1_205857_347918	NW_004516125.1	Scaffold731	347918	TT	AA	1940467460
SNP_P1_205858_347940	NW_004516125.1	Scaffold731	347940	GG	AA	1940467461
SNP_P1_205859_347944	NW_004516125.1	Scaffold731	347944	GG	AA	1940467462
SNP_P1_205860_348098	NW_004516125.1	Scaffold731	348098	TT	CC	1940467463
SNP_P1_205861_349650	NW_004516125.1	Scaffold731	349650	CC	TT	1940467464
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SNP_P1_205863_349682	NW_004516125.1	Scaffold731	349682	CC	TT	1940467466
SNP_P1_205864_349698	NW_004516125.1	Scaffold731	349698	AA	GG	1940467467

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_205869_360273	NW_004516125.1	Scaffold731	360273	TT	GG	1940467469
SNP_P1_205870_361202	NW_004516125.1	Scaffold731	361202	TT	CC	1940467470
SNP_P1_205871_361553	NW_004516125.1	Scaffold731	361553	CC	AA	1940467471
SNP_P1_205873_361626	NW_004516125.1	Scaffold731	361626	GG	TT	1940467472
SNP_P1_205874_361644	NW_004516125.1	Scaffold731	361644	TT	AA	1940467473
SNP_P1_205875_361786	NW_004516125.1	Scaffold731	361786	TT	GG	1940467474
SNP_P1_205876_361818	NW_004516125.1	Scaffold731	361818	TT	CC	1940467475
SNP_P1_205877_361834	NW_004516125.1	Scaffold731	361834	AA	GG	1940467476
SNP_P1_205878_361877	NW_004516125.1	Scaffold731	361877	AA	GG	1940467477
SNP_P1_205880_365644	NW_004516125.1	Scaffold731	365644	CC	TT	1940467478
SNP_P1_205881_365654	NW_004516125.1	Scaffold731	365654	CC	TT	1940467479
SNP_P1_205882_365663	NW_004516125.1	Scaffold731	365663	CC	AA	1940467480
SNP_P1_205883_366011	NW_004516125.1	Scaffold731	366011	TT	CC	1940467481
SNP_P1_205884_366051	NW_004516125.1	Scaffold731	366051	TT	CC	1940467482
SNP_P1_205886_366126	NW_004516125.1	Scaffold731	366126	GG	CC	1940467483
SNP_P1_205887_366156	NW_004516125.1	Scaffold731	366156	AA	GG	1940467484
SNP_P1_205888_367380	NW_004516125.1	Scaffold731	367380	AA	TT	1940467485
SNP_P1_205890_369529	NW_004516125.1	Scaffold731	369529	GG	AA	1940467486
SNP_P1_205891_369646	NW_004516125.1	Scaffold731	369646	TT	CC	1940467487
SNP_P1_205892_369674	NW_004516125.1	Scaffold731	369674	AA	GG	1940467488
SNP_P1_205893_369686	NW_004516125.1	Scaffold731	369686	CC	TT	1940467489
SNP_P1_205894_369696	NW_004516125.1	Scaffold731	369696	TT	CC	1940467490
SNP_P1_205895_369697	NW_004516125.1	Scaffold731	369697	TT	CC	1940467491
SNP_P1_205896_369725	NW_004516125.1	Scaffold731	369725	AA	GG	1940467492
SNP_P1_205897_369729	NW_004516125.1	Scaffold731	369729	AA	CC	1940467493
SNP_P1_205900_391708	NW_004516125.1	Scaffold731	391708	CC	TT	1940467494
SNP_P1_205903_395259	NW_004516125.1	Scaffold731	395259	AA	TT	1940467495
SNP_P1_205904_412372	NW_004516125.1	Scaffold731	412372	TT	CC	1940467496
SNP_P1_205905_412769	NW_004516125.1	Scaffold731	412769	CC	TT	1940467497
SNP_P1_205907_435593	NW_004516125.1	Scaffold731	435593	AA	GG	1940467498
SNP_P1_205908_433	NW_004516127.1	Scaffold735	433	GG	AA	1940467499
SNP_P1_205909_451	NW_004516127.1	Scaffold735	451	TT	CC	1940467500
SNP_P1_205910_452	NW_004516127.1	Scaffold735	452	CC	TT	1940467501
SNP_P1_205911_460	NW_004516127.1	Scaffold735	460	TT	AA	1940467502
SNP_P1_205912_489	NW_004516127.1	Scaffold735	489	GG	TT	1940467503
SNP_P1_205914_5639	NW_004516127.1	Scaffold735	5639	TT	AA	1940467504
SNP_P1_205915_6350	NW_004516127.1	Scaffold735	6350	GG	AA	1940467505
SNP_P1_205916_13992	NW_004516127.1	Scaffold735	13992	AA	GG	1940467506
SNP_P1_205917_14069	NW_004516127.1	Scaffold735	14069	CC	TT	1940467507
SNP_P1_205918_14071	NW_004516127.1	Scaffold735	14071	GG	TT	1940467508
SNP_P1_205919_14092	NW_004516127.1	Scaffold735	14092	CC	AA	1940467509

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205921_15560	NW_004516127.1	Scaffold735	15560	TT	CC	1940467510
SNP_P1_205923_32236	NW_004516127.1	Scaffold735	32236	AA	TT	1940467511
SNP_P1_205925_54152	NW_004516127.1	Scaffold735	54152	AA	GG	1940467512
SNP_P1_205926_54213	NW_004516127.1	Scaffold735	54213	CC	TT	1940467513
SNP_P1_205927_54469	NW_004516127.1	Scaffold735	54469	GG	AA	1940467514
SNP_P1_205928_54578	NW_004516127.1	Scaffold735	54578	AA	CC	1940467515
SNP_P1_205929_54601	NW_004516127.1	Scaffold735	54601	TT	CC	1940467516
SNP_P1_205930_54607	NW_004516127.1	Scaffold735	54607	CC	AA	1940467517
SNP_P1_205931_55473	NW_004516127.1	Scaffold735	55473	AA	TT	1940467518
SNP_P1_205932_56368	NW_004516127.1	Scaffold735	56368	TT	CC	1940467519
SNP_P1_205933_56424	NW_004516127.1	Scaffold735	56424	CC	TT	1940467520
SNP_P1_205934_62700	NW_004516127.1	Scaffold735	62700	AA	TT	1940467521
SNP_P1_205935_69995	NW_004516127.1	Scaffold735	69995	GG	AA	1940467522
SNP_P1_205936_70035	NW_004516127.1	Scaffold735	70035	GG	AA	1940467523
SNP_P1_205937_71629	NW_004516127.1	Scaffold735	71629	TT	CC	1940467524
SNP_P1_205938_85953	NW_004516127.1	Scaffold735	85953	TT	CC	1940467525
SNP_P1_205939_87924	NW_004516127.1	Scaffold735	87924	AA	TT	1940467526
SNP_P1_205940_87926	NW_004516127.1	Scaffold735	87926	AA	TT	1940467527
SNP_P1_205941_89810	NW_004516127.1	Scaffold735	89810	TT	AA	1940467528
SNP_P1_205942_95717	NW_004516127.1	Scaffold735	95717	GG	TT	1940467529
SNP_P1_205943_105402	NW_004516127.1	Scaffold735	105402	GG	TT	1940467530
SNP_P1_205944_127145	NW_004516127.1	Scaffold735	127145	AA	CC	1940467531
SNP_P1_205946_145409	NW_004516127.1	Scaffold735	145409	CC	TT	1940467532
SNP_P1_205947_150097	NW_004516127.1	Scaffold735	150097	AA	CC	1940467533
SNP_P1_205948_152695	NW_004516127.1	Scaffold735	152695	TT	CC	1940467534
SNP_P1_205950_180271	NW_004516127.1	Scaffold735	180271	TT	CC	1940467535
SNP_P1_205951_180290	NW_004516127.1	Scaffold735	180290	GG	AA	1940467536
SNP_P1_205952_186893	NW_004516127.1	Scaffold735	186893	TT	CC	1940467537
SNP_P1_205953_187007	NW_004516127.1	Scaffold735	187007	AA	TT	1940467538
SNP_P1_205954_187103	NW_004516127.1	Scaffold735	187103	AA	GG	1940467539
SNP_P1_205955_187182	NW_004516127.1	Scaffold735	187182	CC	TT	1940467540
SNP_P1_205956_187196	NW_004516127.1	Scaffold735	187196	CC	TT	1940467541
SNP_P1_205957_187213	NW_004516127.1	Scaffold735	187213	GG	AA	1940467542
SNP_P1_205959_193843	NW_004516127.1	Scaffold735	193843	CC	TT	1940467543
SNP_P1_205960_197437	NW_004516127.1	Scaffold735	197437	CC	TT	1940467544
SNP_P1_205961_197472	NW_004516127.1	Scaffold735	197472	TT	CC	1940467545
SNP_P1_205962_197758	NW_004516127.1	Scaffold735	197758	TT	GG	1940467546
SNP_P1_205963_221986	NW_004516127.1	Scaffold735	221986	CC	GG	1940467547
SNP_P1_205964_459	NW_004516128.1	Scaffold736	459	TT	CC	1940467548
SNP_P1_205965_477	NW_004516128.1	Scaffold736	477	CC	TT	1940467549
SNP_P1_205966_1166	NW_004516128.1	Scaffold736	1166	CC	TT	1940467550
SNP_P1_205967_5939	NW_004516128.1	Scaffold736	5939	CC	GG	1940467551

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_205968_5950	NW_004516128.1	Scaffold736	5950	TT	CC	1940467552
SNP_P1_205969_5956	NW_004516128.1	Scaffold736	5956	TT	GG	1940467554
SNP_P1_205970_127	NW_004516130.1	Scaffold738	127	TT	CC	1940467555
SNP_P1_205971_282	NW_004516130.1	Scaffold738	282	TT	AA	1940467556
SNP_P1_205972_286	NW_004516130.1	Scaffold738	286	TT	CC	1940467557
SNP_P1_205973_331	NW_004516130.1	Scaffold738	331	AA	TT	1940467558
SNP_P1_205974_442	NW_004516130.1	Scaffold738	442	CC	TT	1940467559
SNP_P1_205975_474	NW_004516130.1	Scaffold738	474	GG	TT	1940467560
SNP_P1_205976_578	NW_004516130.1	Scaffold738	578	AA	GG	1940467561
SNP_P1_205977_614	NW_004516130.1	Scaffold738	614	AA	CC	1940467562
SNP_P1_205979_655	NW_004516130.1	Scaffold738	655	GG	AA	1940467563
SNP_P1_205980_881	NW_004516130.1	Scaffold738	881	AA	TT	1940467564
SNP_P1_205981_895	NW_004516130.1	Scaffold738	895	GG	TT	1940467565
SNP_P1_205982_899	NW_004516130.1	Scaffold738	899	AA	CC	1940467566
SNP_P1_205983_980	NW_004516130.1	Scaffold738	980	TT	CC	1940467567
SNP_P1_205984_1010	NW_004516130.1	Scaffold738	1010	CC	AA	1940467568
SNP_P1_205985_1071	NW_004516130.1	Scaffold738	1071	GG	AA	1940467569
SNP_P1_205986_1078	NW_004516130.1	Scaffold738	1078	GG	CC	1940467570
SNP_P1_205987_1289	NW_004516130.1	Scaffold738	1289	CC	TT	1940467571
SNP_P1_205988_1338	NW_004516130.1	Scaffold738	1338	TT	GG	1940467572
SNP_P1_205989_1387	NW_004516130.1	Scaffold738	1387	CC	TT	1940467573
SNP_P1_205990_1401	NW_004516130.1	Scaffold738	1401	CC	TT	1940467574
SNP_P1_205991_1586	NW_004516130.1	Scaffold738	1586	GG	AA	1940467575
SNP_P1_205992_1681	NW_004516130.1	Scaffold738	1681	AA	TT	1940467576
SNP_P1_205993_1759	NW_004516130.1	Scaffold738	1759	GG	AA	1940467577
SNP_P1_205994_2043	NW_004516130.1	Scaffold738	2043	TT	CC	1940467578
SNP_P1_205995_2062	NW_004516130.1	Scaffold738	2062	CC	TT	1940467579
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SNP_P1_205998_2327	NW_004516130.1	Scaffold738	2327	CC	GG	1940467581
SNP_P1_205999_2358	NW_004516130.1	Scaffold738	2358	AA	GG	1940467582
SNP_P1_206000_2388	NW_004516130.1	Scaffold738	2388	GG	TT	1940467583
SNP_P1_206001_2400	NW_004516130.1	Scaffold738	2400	TT	CC	1940467584
SNP_P1_206002_2421	NW_004516130.1	Scaffold738	2421	AA	CC	1940467585
SNP_P1_206003_2470	NW_004516130.1	Scaffold738	2470	GG	AA	1940467586
SNP_P1_206004_2498	NW_004516130.1	Scaffold738	2498	TT	CC	1940467587
SNP_P1_206005_4407	NW_004516130.1	Scaffold738	4407	AA	GG	1940467588
SNP_P1_206006_4569	NW_004516130.1	Scaffold738	4569	TT	CC	1940467589
SNP_P1_206007_4601	NW_004516130.1	Scaffold738	4601	CC	TT	1940467590
SNP_P1_206008_4846	NW_004516130.1	Scaffold738	4846	AA	GG	1940467591
SNP_P1_206009_4901	NW_004516130.1	Scaffold738	4901	CC	TT	1940467592
SNP_P1_206010_4924	NW_004516130.1	Scaffold738	4924	AA	GG	1940467593
SNP_P1_206011_4928	NW_004516130.1	Scaffold738	4928	CC	AA	1940467594

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_206014_5411	NW_004516130.1	Scaffold738	5411	GG	AA	1940467596
SNP_P1_206015_5458	NW_004516130.1	Scaffold738	5458	CC	TT	1940467597
SNP_P1_206016_5566	NW_004516130.1	Scaffold738	5566	AA	GG	1940467598
SNP_P1_206017_5581	NW_004516130.1	Scaffold738	5581	TT	CC	1940467599
SNP_P1_206018_5710	NW_004516130.1	Scaffold738	5710	GG	AA	1940467600
SNP_P1_206019_5803	NW_004516130.1	Scaffold738	5803	GG	AA	1940467601
SNP_P1_206020_5831	NW_004516130.1	Scaffold738	5831	TT	CC	1940467602
SNP_P1_206021_6266	NW_004516130.1	Scaffold738	6266	TT	GG	1940467603
SNP_P1_206022_6576	NW_004516130.1	Scaffold738	6576	CC	GG	1940467604
SNP_P1_206023_7093	NW_004516130.1	Scaffold738	7093	TT	GG	1940467605
SNP_P1_206024_7106	NW_004516130.1	Scaffold738	7106	CC	GG	1940467606
SNP_P1_206025_7127	NW_004516130.1	Scaffold738	7127	CC	TT	1940467607
SNP_P1_206026_7128	NW_004516130.1	Scaffold738	7128	AA	GG	1940467608
SNP_P1_206027_7218	NW_004516130.1	Scaffold738	7218	TT	GG	1940467609
SNP_P1_206028_7273	NW_004516130.1	Scaffold738	7273	AA	TT	1940467610
SNP_P1_206029_7284	NW_004516130.1	Scaffold738	7284	AA	GG	1940467611
SNP_P1_206030_7306	NW_004516130.1	Scaffold738	7306	CC	AA	1940467612
SNP_P1_206031_7331	NW_004516130.1	Scaffold738	7331	CC	TT	1940467613
SNP_P1_206032_7381	NW_004516130.1	Scaffold738	7381	TT	CC	1940467614
SNP_P1_206033_7506	NW_004516130.1	Scaffold738	7506	CC	GG	1940467615
SNP_P1_206034_7654	NW_004516130.1	Scaffold738	7654	TT	AA	1940467616
SNP_P1_206035_7860	NW_004516130.1	Scaffold738	7860	TT	AA	1940467617
SNP_P1_206036_7903	NW_004516130.1	Scaffold738	7903	TT	CC	1940467618
SNP_P1_206037_8198	NW_004516130.1	Scaffold738	8198	TT	AA	1940467619
SNP_P1_206038_8202	NW_004516130.1	Scaffold738	8202	TT	CC	1940467620
SNP_P1_206039_8708	NW_004516130.1	Scaffold738	8708	CC	TT	1940467621
SNP_P1_206040_8760	NW_004516130.1	Scaffold738	8760	CC	GG	1940467622
SNP_P1_206041_8877	NW_004516130.1	Scaffold738	8877	TT	CC	1940467623
SNP_P1_206042_8878	NW_004516130.1	Scaffold738	8878	CC	TT	1940467624
SNP_P1_206043_9038	NW_004516130.1	Scaffold738	9038	CC	TT	1940467625
SNP_P1_206044_9158	NW_004516130.1	Scaffold738	9158	TT	AA	1940467626
SNP_P1_206045_9247	NW_004516130.1	Scaffold738	9247	TT	CC	1940467627
SNP_P1_206046_9265	NW_004516130.1	Scaffold738	9265	AA	CC	1940467628
SNP_P1_206047_9296	NW_004516130.1	Scaffold738	9296	CC	TT	1940467629
SNP_P1_206048_9299	NW_004516130.1	Scaffold738	9299	AA	GG	1940467630
SNP_P1_206049_9423	NW_004516130.1	Scaffold738	9423	GG	CC	1940467631
SNP_P1_206050_9611	NW_004516130.1	Scaffold738	9611	AA	TT	1940467632
SNP_P1_206051_9916	NW_004516130.1	Scaffold738	9916	CC	AA	1940467633
SNP_P1_206052_10129	NW_004516130.1	Scaffold738	10129	GG	AA	1940467634
SNP_P1_206053_10646	NW_004516130.1	Scaffold738	10646	TT	CC	1940467635
SNP_P1_206055_10786	NW_004516130.1	Scaffold738	10786	AA	GG	1940467636

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206056_10825	NW_004516130.1	Scaffold738	10825	AA	GG	1940467637
SNP_P1_206057_10826	NW_004516130.1	Scaffold738	10826	AA	GG	1940467638
SNP_P1_206058_10840	NW_004516130.1	Scaffold738	10840	AA	GG	1940467639
SNP_P1_206059_10846	NW_004516130.1	Scaffold738	10846	TT	AA	1940467640
SNP_P1_206060_10851	NW_004516130.1	Scaffold738	10851	CC	TT	1940467641
SNP_P1_206061_11373	NW_004516130.1	Scaffold738	11373	TT	GG	1940467642
SNP_P1_206062_6689	NW_004516131.1	Scaffold739	6689	TT	CC	1940467643
SNP_P1_206063_111	NW_004516133.1	Scaffold741	111	CC	AA	1940467644
SNP_P1_206064_10809	NW_004516133.1	Scaffold741	10809	AA	GG	1940467645
SNP_P1_206065_6097	NW_004516135.1	Scaffold743	6097	TT	CC	1940467646
SNP_P1_206066_7852	NW_004516135.1	Scaffold743	7852	CC	GG	1940467647
SNP_P1_206067_7893	NW_004516135.1	Scaffold743	7893	TT	AA	1940467648
SNP_P1_206068_7920	NW_004516135.1	Scaffold743	7920	GG	AA	1940467649
SNP_P1_206069_9753	NW_004516135.1	Scaffold743	9753	TT	GG	1940467650
SNP_P1_206070_9859	NW_004516135.1	Scaffold743	9859	AA	GG	1940467651
SNP_P1_206071_9871	NW_004516135.1	Scaffold743	9871	GG	AA	1940467652
SNP_P1_206072_10531	NW_004516135.1	Scaffold743	10531	GG	AA	1940467653
SNP_P1_206073_10728	NW_004516135.1	Scaffold743	10728	AA	CC	1940467654
SNP_P1_206074_13884	NW_004516135.1	Scaffold743	13884	GG	TT	1940467655
SNP_P1_206075_13917	NW_004516135.1	Scaffold743	13917	TT	GG	1940467656
SNP_P1_206077_1644	NW_004516136.1	Scaffold745	1644	TT	CC	1940467657
SNP_P1_206078_1655	NW_004516136.1	Scaffold745	1655	CC	GG	1940467658
SNP_P1_206079_5408	NW_004516137.1	Scaffold746	5408	TT	CC	1940467659
SNP_P1_206080_5439	NW_004516137.1	Scaffold746	5439	AA	CC	1940467660
SNP_P1_206081_5693	NW_004516137.1	Scaffold746	5693	TT	CC	1940467661
SNP_P1_206083_1711	NW_004516138.1	Scaffold749	1711	TT	AA	1940467662
SNP_P1_206084_2169	NW_004516138.1	Scaffold749	2169	CC	TT	1940467663
SNP_P1_206085_2449	NW_004516138.1	Scaffold749	2449	GG	AA	1940467664
SNP_P1_206086_2559	NW_004516138.1	Scaffold749	2559	CC	TT	1940467665
SNP_P1_206087_2671	NW_004516138.1	Scaffold749	2671	GG	TT	1940467666
SNP_P1_206088_2677	NW_004516138.1	Scaffold749	2677	CC	GG	1940467667
SNP_P1_206089_2679	NW_004516138.1	Scaffold749	2679	CC	AA	1940467668
SNP_P1_206090_4266	NW_004516138.1	Scaffold749	4266	CC	TT	1940467669
SNP_P1_206091_4270	NW_004516138.1	Scaffold749	4270	TT	GG	1940467670
SNP_P1_206092_4339	NW_004516138.1	Scaffold749	4339	TT	CC	1940467671
SNP_P1_206093_4438	NW_004516138.1	Scaffold749	4438	AA	TT	1940467672
SNP_P1_206094_4516	NW_004516138.1	Scaffold749	4516	TT	GG	1940467673
SNP_P1_206095_4600	NW_004516138.1	Scaffold749	4600	AA	GG	1940467674
SNP_P1_206096_4701	NW_004516138.1	Scaffold749	4701	GG	AA	1940467675
SNP_P1_206097_4720	NW_004516138.1	Scaffold749	4720	CC	TT	1940467676
SNP_P1_206098_4746	NW_004516138.1	Scaffold749	4746	TT	CC	1940467677
SNP_P1_206099_4779	NW_004516138.1	Scaffold749	4779	CC	TT	1940467678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_206101_5886	NW_004516138.1	Scaffold749	5886	AA	GG	1940467680
SNP_P1_206102_5893	NW_004516138.1	Scaffold749	5893	CC	GG	1940467681
SNP_P1_206104_6964	NW_004516138.1	Scaffold749	6964	GG	CC	1940467682
SNP_P1_206106_9167	NW_004516138.1	Scaffold749	9167	TT	GG	1940467683
SNP_P1_206107_13772	NW_004516138.1	Scaffold749	13772	TT	AA	1940467684
SNP_P1_206108_13821	NW_004516138.1	Scaffold749	13821	AA	GG	1940467685
SNP_P1_206109_13903	NW_004516138.1	Scaffold749	13903	CC	TT	1940467686
SNP_P1_206110_13919	NW_004516138.1	Scaffold749	13919	GG	AA	1940467687
SNP_P1_206111_13961	NW_004516138.1	Scaffold749	13961	TT	CC	1940467688
SNP_P1_206112_13962	NW_004516138.1	Scaffold749	13962	TT	AA	1940467689
SNP_P1_206113_13979	NW_004516138.1	Scaffold749	13979	GG	CC	1940467690
SNP_P1_206114_14036	NW_004516138.1	Scaffold749	14036	AA	TT	1940467691
SNP_P1_206115_14124	NW_004516138.1	Scaffold749	14124	AA	GG	1940467692
SNP_P1_206116_14131	NW_004516138.1	Scaffold749	14131	AA	GG	1940467693
SNP_P1_206117_14181	NW_004516138.1	Scaffold749	14181	GG	AA	1940467694
SNP_P1_206118_14194	NW_004516138.1	Scaffold749	14194	TT	AA	1940467695
SNP_P1_206119_14203	NW_004516138.1	Scaffold749	14203	GG	AA	1940467696
SNP_P1_206120_14236	NW_004516138.1	Scaffold749	14236	GG	AA	1940467697
SNP_P1_206121_14283	NW_004516138.1	Scaffold749	14283	TT	GG	1940467698
SNP_P1_206122_14324	NW_004516138.1	Scaffold749	14324	CC	TT	1940467699
SNP_P1_206123_14334	NW_004516138.1	Scaffold749	14334	CC	TT	1940467700
SNP_P1_206124_14385	NW_004516138.1	Scaffold749	14385	TT	GG	1940467701
SNP_P1_206125_14508	NW_004516138.1	Scaffold749	14508	GG	TT	1940467702
SNP_P1_206126_14565	NW_004516138.1	Scaffold749	14565	AA	TT	1940467703
SNP_P1_206127_14625	NW_004516138.1	Scaffold749	14625	GG	CC	1940467704
SNP_P1_206128_14672	NW_004516138.1	Scaffold749	14672	AA	CC	1940467705
SNP_P1_206129_14739	NW_004516138.1	Scaffold749	14739	GG	TT	1940467706
SNP_P1_206130_14752	NW_004516138.1	Scaffold749	14752	TT	CC	1940467707
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SNP_P1_206136_29741	NW_004516138.1	Scaffold749	29741	AA	TT	1940467713
SNP_P1_206137_30024	NW_004516138.1	Scaffold749	30024	TT	GG	1940467715
SNP_P1_206138_30036	NW_004516138.1	Scaffold749	30036	AA	TT	1940467716
SNP_P1_206139_30133	NW_004516138.1	Scaffold749	30133	AA	TT	1940467717
SNP_P1_206140_30266	NW_004516138.1	Scaffold749	30266	TT	GG	1940467718
SNP_P1_206141_30273	NW_004516138.1	Scaffold749	30273	TT	GG	1940467719
SNP_P1_206142_30278	NW_004516138.1	Scaffold749	30278	GG	CC	1940467720
SNP_P1_206143_30280	NW_004516138.1	Scaffold749	30280	TT	GG	1940467721

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_206145_30294	NW_004516138.1	Scaffold749	30294	TT	GG	1940467723
SNP_P1_206146_30696	NW_004516138.1	Scaffold749	30696	AA	GG	1940467724
SNP_P1_206147_30722	NW_004516138.1	Scaffold749	30722	TT	GG	1940467725
SNP_P1_206148_30755	NW_004516138.1	Scaffold749	30755	AA	TT	1940467726
SNP_P1_206149_35559	NW_004516138.1	Scaffold749	35559	CC	TT	1940467727
SNP_P1_206150_36662	NW_004516138.1	Scaffold749	36662	GG	AA	1940467728
SNP_P1_206151_38244	NW_004516138.1	Scaffold749	38244	TT	AA	1940467729
SNP_P1_206152_52310	NW_004516138.1	Scaffold749	52310	CC	TT	1940467730
SNP_P1_206153_52355	NW_004516138.1	Scaffold749	52355	GG	AA	1940467731
SNP_P1_206154_52808	NW_004516138.1	Scaffold749	52808	GG	TT	1940467732
SNP_P1_206155_59335	NW_004516138.1	Scaffold749	59335	AA	TT	1940467733
SNP_P1_206156_59436	NW_004516138.1	Scaffold749	59436	CC	GG	1940467734
SNP_P1_206157_59557	NW_004516138.1	Scaffold749	59557	TT	GG	1940467735
SNP_P1_206158_59570	NW_004516138.1	Scaffold749	59570	TT	AA	1940467736
SNP_P1_206159_59673	NW_004516138.1	Scaffold749	59673	TT	AA	1940467737
SNP_P1_206160_59764	NW_004516138.1	Scaffold749	59764	TT	AA	1940467738
SNP_P1_206161_59792	NW_004516138.1	Scaffold749	59792	AA	CC	1940467739
SNP_P1_206162_59862	NW_004516138.1	Scaffold749	59862	TT	GG	1940467740
SNP_P1_206163_60063	NW_004516138.1	Scaffold749	60063	GG	AA	1940467741
SNP_P1_206164_60257	NW_004516138.1	Scaffold749	60257	CC	TT	1940467742
SNP_P1_206165_60262	NW_004516138.1	Scaffold749	60262	AA	TT	1940467743
SNP_P1_206166_60264	NW_004516138.1	Scaffold749	60264	TT	GG	1940467744
SNP_P1_206167_61388	NW_004516138.1	Scaffold749	61388	CC	TT	1940467745
SNP_P1_206168_1015	NW_004516139.1	Scaffold750	1015	GG	TT	1940467746
SNP_P1_206169_1054	NW_004516139.1	Scaffold750	1054	GG	AA	1940467747
SNP_P1_206170_1068	NW_004516139.1	Scaffold750	1068	AA	CC	1940467748
SNP_P1_206171_19557	NW_004516139.1	Scaffold750	19557	TT	GG	1940467749
SNP_P1_206172_19796	NW_004516139.1	Scaffold750	19796	TT	CC	1940467750
SNP_P1_206173_19806	NW_004516139.1	Scaffold750	19806	GG	TT	1940467751
SNP_P1_206174_20154	NW_004516139.1	Scaffold750	20154	TT	CC	1940467752
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SNP_P1_206176_23099	NW_004516139.1	Scaffold750	23099	AA	GG	1940467754
SNP_P1_206178_23126	NW_004516139.1	Scaffold750	23126	AA	GG	1940467755
SNP_P1_206179_23460	NW_004516139.1	Scaffold750	23460	CC	TT	1940467756
SNP_P1_206180_23469	NW_004516139.1	Scaffold750	23469	GG	AA	1940467757
SNP_P1_206181_30379	NW_004516139.1	Scaffold750	30379	GG	AA	1940467758
SNP_P1_206182_30574	NW_004516139.1	Scaffold750	30574	TT	CC	1940467759
SNP_P1_206183_30633	NW_004516139.1	Scaffold750	30633	GG	AA	1940467760
SNP_P1_206184_30637	NW_004516139.1	Scaffold750	30637	AA	TT	1940467761
SNP_P1_206185_30677	NW_004516139.1	Scaffold750	30677	TT	CC	1940467762
SNP_P1_206186_30750	NW_004516139.1	Scaffold750	30750	CC	AA	1940467763

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_206188_30817	NW_004516139.1	Scaffold750	30817	CC	TT	1940467765
SNP_P1_206189_30819	NW_004516139.1	Scaffold750	30819	AA	GG	1940467766
SNP_P1_206190_30844	NW_004516139.1	Scaffold750	30844	AA	TT	1940467767
SNP_P1_206191_30886	NW_004516139.1	Scaffold750	30886	AA	GG	1940467768
SNP_P1_206192_30987	NW_004516139.1	Scaffold750	30987	CC	GG	1940467769
SNP_P1_206193_31003	NW_004516139.1	Scaffold750	31003	GG	AA	1940467770
SNP_P1_206194_31014	NW_004516139.1	Scaffold750	31014	TT	GG	1940467771
SNP_P1_206195_31069	NW_004516139.1	Scaffold750	31069	CC	TT	1940467772
SNP_P1_206196_31086	NW_004516139.1	Scaffold750	31086	TT	CC	1940467773
SNP_P1_206197_31126	NW_004516139.1	Scaffold750	31126	AA	GG	1940467774
SNP_P1_206198_31287	NW_004516139.1	Scaffold750	31287	AA	GG	1940467775
SNP_P1_206199_31731	NW_004516139.1	Scaffold750	31731	TT	GG	1940467776
SNP_P1_206200_31752	NW_004516139.1	Scaffold750	31752	CC	AA	1940467777
SNP_P1_206201_31756	NW_004516139.1	Scaffold750	31756	TT	CC	1940467778
SNP_P1_206202_31797	NW_004516139.1	Scaffold750	31797	TT	CC	1940467779
SNP_P1_206203_31817	NW_004516139.1	Scaffold750	31817	AA	TT	1940467780
SNP_P1_206205_31870	NW_004516139.1	Scaffold750	31870	TT	AA	1940467781
SNP_P1_206206_31965	NW_004516139.1	Scaffold750	31965	GG	AA	1940467782
SNP_P1_206207_32114	NW_004516139.1	Scaffold750	32114	AA	TT	1940467783
SNP_P1_206208_32139	NW_004516139.1	Scaffold750	32139	CC	TT	1940467784
SNP_P1_206209_32347	NW_004516139.1	Scaffold750	32347	TT	AA	1940467785
SNP_P1_206210_32349	NW_004516139.1	Scaffold750	32349	TT	AA	1940467786
SNP_P1_206211_32355	NW_004516139.1	Scaffold750	32355	TT	GG	1940467787
SNP_P1_206212_32369	NW_004516139.1	Scaffold750	32369	AA	CC	1940467788
SNP_P1_206213_32425	NW_004516139.1	Scaffold750	32425	TT	CC	1940467789
SNP_P1_206215_32550	NW_004516139.1	Scaffold750	32550	TT	GG	1940467790
SNP_P1_206216_32583	NW_004516139.1	Scaffold750	32583	TT	AA	1940467791
SNP_P1_206217_32607	NW_004516139.1	Scaffold750	32607	AA	GG	1940467792
SNP_P1_206218_32649	NW_004516139.1	Scaffold750	32649	CC	GG	1940467793
SNP_P1_206219_32769	NW_004516139.1	Scaffold750	32769	TT	GG	1940467794
SNP_P1_206220_32795	NW_004516139.1	Scaffold750	32795	AA	TT	1940467795
SNP_P1_206221_33007	NW_004516139.1	Scaffold750	33007	TT	GG	1940467796
SNP_P1_206222_33068	NW_004516139.1	Scaffold750	33068	GG	TT	1940467797
SNP_P1_206223_33082	NW_004516139.1	Scaffold750	33082	AA	GG	1940467798
SNP_P1_206224_33106	NW_004516139.1	Scaffold750	33106	AA	CC	1940467799
SNP_P1_206225_33205	NW_004516139.1	Scaffold750	33205	GG	AA	1940467800
SNP_P1_206226_33229	NW_004516139.1	Scaffold750	33229	AA	GG	1940467801
SNP_P1_206227_33330	NW_004516139.1	Scaffold750	33330	GG	TT	1940467802
SNP_P1_206228_33333	NW_004516139.1	Scaffold750	33333	TT	CC	1940467803
SNP_P1_206229_33335	NW_004516139.1	Scaffold750	33335	TT	AA	1940467804
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_206232_33352	NW_004516139.1	Scaffold750	33352	AA	GG	1940467807
SNP_P1_206233_33356	NW_004516139.1	Scaffold750	33356	AA	TT	1940467808
SNP_P1_206234_33393	NW_004516139.1	Scaffold750	33393	AA	GG	1940467809
SNP_P1_206235_33602	NW_004516139.1	Scaffold750	33602	CC	TT	1940467810
SNP_P1_206236_33646	NW_004516139.1	Scaffold750	33646	TT	CC	1940467811
SNP_P1_206237_33667	NW_004516139.1	Scaffold750	33667	GG	AA	1940467812
SNP_P1_206238_33760	NW_004516139.1	Scaffold750	33760	GG	CC	1940467813
SNP_P1_206239_33823	NW_004516139.1	Scaffold750	33823	GG	CC	1940467814
SNP_P1_206240_34018	NW_004516139.1	Scaffold750	34018	GG	AA	1940467815
SNP_P1_206241_34023	NW_004516139.1	Scaffold750	34023	TT	CC	1940467816
SNP_P1_206242_34065	NW_004516139.1	Scaffold750	34065	AA	GG	1940467817
SNP_P1_206243_34117	NW_004516139.1	Scaffold750	34117	CC	AA	1940467818
SNP_P1_206244_34187	NW_004516139.1	Scaffold750	34187	GG	AA	1940467819
SNP_P1_206245_34264	NW_004516139.1	Scaffold750	34264	TT	GG	1940467820
SNP_P1_206246_34357	NW_004516139.1	Scaffold750	34357	GG	TT	1940467821
SNP_P1_206247_34489	NW_004516139.1	Scaffold750	34489	AA	GG	1940467822
SNP_P1_206248_34576	NW_004516139.1	Scaffold750	34576	CC	TT	1940467823
SNP_P1_206249_34628	NW_004516139.1	Scaffold750	34628	GG	AA	1940467824
SNP_P1_206250_34650	NW_004516139.1	Scaffold750	34650	GG	AA	1940467825
SNP_P1_206251_34685	NW_004516139.1	Scaffold750	34685	GG	AA	1940467826
SNP_P1_206252_34754	NW_004516139.1	Scaffold750	34754	TT	AA	1940467827
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SNP_P1_206254_34792	NW_004516139.1	Scaffold750	34792	CC	TT	1940467829
SNP_P1_206255_34939	NW_004516139.1	Scaffold750	34939	TT	CC	1940467830
SNP_P1_206256_34955	NW_004516139.1	Scaffold750	34955	TT	CC	1940467831
SNP_P1_206257_34966	NW_004516139.1	Scaffold750	34966	CC	GG	1940467832
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SNP_P1_206260_34998	NW_004516139.1	Scaffold750	34998	AA	GG	1940467835
SNP_P1_206261_35039	NW_004516139.1	Scaffold750	35039	AA	GG	1940467836
SNP_P1_206262_35045	NW_004516139.1	Scaffold750	35045	GG	TT	1940467837
SNP_P1_206263_35052	NW_004516139.1	Scaffold750	35052	CC	GG	1940467838
SNP_P1_206264_35061	NW_004516139.1	Scaffold750	35061	CC	TT	1940467839
SNP_P1_206265_35093	NW_004516139.1	Scaffold750	35093	TT	AA	1940467840
SNP_P1_206266_35125	NW_004516139.1	Scaffold750	35125	AA	TT	1940467841
SNP_P1_206267_35147	NW_004516139.1	Scaffold750	35147	TT	CC	1940467842
SNP_P1_206268_35153	NW_004516139.1	Scaffold750	35153	AA	CC	1940467843
SNP_P1_206269_35229	NW_004516139.1	Scaffold750	35229	AA	GG	1940467844
SNP_P1_206270_35247	NW_004516139.1	Scaffold750	35247	GG	AA	1940467845
SNP_P1_206271_35282	NW_004516139.1	Scaffold750	35282	GG	CC	1940467846
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_206275_36796	NW_004516139.1	Scaffold750	36796	TT	CC	1940467850
SNP_P1_206276_36845	NW_004516139.1	Scaffold750	36845	AA	GG	1940467851
SNP_P1_206277_36877	NW_004516139.1	Scaffold750	36877	AA	CC	1940467852
SNP_P1_206278_36880	NW_004516139.1	Scaffold750	36880	AA	GG	1940467853
SNP_P1_206279_37008	NW_004516139.1	Scaffold750	37008	AA	TT	1940467854
SNP_P1_206280_37036	NW_004516139.1	Scaffold750	37036	AA	GG	1940467855
SNP_P1_206281_37051	NW_004516139.1	Scaffold750	37051	AA	GG	1940467856
SNP_P1_206282_37062	NW_004516139.1	Scaffold750	37062	GG	TT	1940467857
SNP_P1_206283_37106	NW_004516139.1	Scaffold750	37106	AA	GG	1940467858
SNP_P1_206284_37158	NW_004516139.1	Scaffold750	37158	TT	GG	1940467859
SNP_P1_206285_37232	NW_004516139.1	Scaffold750	37232	GG	AA	1940467860
SNP_P1_206286_37273	NW_004516139.1	Scaffold750	37273	AA	GG	1940467861
SNP_P1_206287_37339	NW_004516139.1	Scaffold750	37339	GG	AA	1940467862
SNP_P1_206288_37392	NW_004516139.1	Scaffold750	37392	GG	AA	1940467863
SNP_P1_206289_37399	NW_004516139.1	Scaffold750	37399	TT	CC	1940467864
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SNP_P1_206292_37593	NW_004516139.1	Scaffold750	37593	AA	TT	1940467867
SNP_P1_206293_37599	NW_004516139.1	Scaffold750	37599	TT	CC	1940467868
SNP_P1_206294_37600	NW_004516139.1	Scaffold750	37600	GG	TT	1940467869
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SNP_P1_206302_37994	NW_004516139.1	Scaffold750	37994	CC	TT	1940467878
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SNP_P1_206307_38341	NW_004516139.1	Scaffold750	38341	CC	AA	1940467883
SNP_P1_206308_38344	NW_004516139.1	Scaffold750	38344	AA	GG	1940467884
SNP_P1_206309_38354	NW_004516139.1	Scaffold750	38354	CC	TT	1940467885
SNP_P1_206310_38374	NW_004516139.1	Scaffold750	38374	AA	GG	1940467886
SNP_P1_206311_38431	NW_004516139.1	Scaffold750	38431	GG	TT	1940467887
SNP_P1_206312_38462	NW_004516139.1	Scaffold750	38462	AA	TT	1940467888
SNP_P1_206313_38496	NW_004516139.1	Scaffold750	38496	TT	AA	1940467889
SNP_P1_206314_38573	NW_004516139.1	Scaffold750	38573	GG	TT	1940467890

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_206317_38666	NW_004516139.1	Scaffold750	38666	GG	AA	1940467893
SNP_P1_206318_38757	NW_004516139.1	Scaffold750	38757	TT	AA	1940467894
SNP_P1_206319_38839	NW_004516139.1	Scaffold750	38839	AA	CC	1940467895
SNP_P1_206320_38932	NW_004516139.1	Scaffold750	38932	AA	CC	1940467896
SNP_P1_206321_38934	NW_004516139.1	Scaffold750	38934	GG	TT	1940467897
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SNP_P1_206324_39201	NW_004516139.1	Scaffold750	39201	AA	CC	1940467899
SNP_P1_206325_39214	NW_004516139.1	Scaffold750	39214	TT	CC	1940467900
SNP_P1_206326_39224	NW_004516139.1	Scaffold750	39224	AA	TT	1940467901
SNP_P1_206327_39263	NW_004516139.1	Scaffold750	39263	TT	CC	1940467902
SNP_P1_206328_39270	NW_004516139.1	Scaffold750	39270	CC	GG	1940467903
SNP_P1_206329_39296	NW_004516139.1	Scaffold750	39296	GG	TT	1940467904
SNP_P1_206330_39304	NW_004516139.1	Scaffold750	39304	CC	AA	1940467905
SNP_P1_206331_39358	NW_004516139.1	Scaffold750	39358	GG	AA	1940467906
SNP_P1_206332_39379	NW_004516139.1	Scaffold750	39379	AA	GG	1940467907
SNP_P1_206333_39396	NW_004516139.1	Scaffold750	39396	GG	CC	1940467908
SNP_P1_206334_39399	NW_004516139.1	Scaffold750	39399	AA	TT	1940467909
SNP_P1_206335_39400	NW_004516139.1	Scaffold750	39400	CC	GG	1940467910
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SNP_P1_206338_44526	NW_004516139.1	Scaffold750	44526	GG	AA	1940467913
SNP_P1_206339_49333	NW_004516139.1	Scaffold750	49333	TT	CC	1940467914
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SNP_P1_206344_58435	NW_004516139.1	Scaffold750	58435	AA	TT	1940467919
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SNP_P1_206348_58668	NW_004516139.1	Scaffold750	58668	GG	AA	1940467923
SNP_P1_206350_58726	NW_004516139.1	Scaffold750	58726	AA	GG	1940467924
SNP_P1_206351_58887	NW_004516139.1	Scaffold750	58887	TT	GG	1940467925
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SNP_P1_206353_58973	NW_004516139.1	Scaffold750	58973	GG	TT	1940467927
SNP_P1_206355_59118	NW_004516139.1	Scaffold750	59118	CC	GG	1940467928
SNP_P1_206356_59203	NW_004516139.1	Scaffold750	59203	GG	AA	1940467929
SNP_P1_206358_59314	NW_004516139.1	Scaffold750	59314	TT	AA	1940467930
SNP_P1_206359_59385	NW_004516139.1	Scaffold750	59385	AA	CC	1940467931
SNP_P1_206360_59530	NW_004516139.1	Scaffold750	59530	GG	TT	1940467932

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206361_59590	NW_004516139.1	Scaffold750	59590	AA	TT	1940467933
SNP_P1_206363_59877	NW_004516139.1	Scaffold750	59877	GG	TT	1940467934
SNP_P1_206364_59917	NW_004516139.1	Scaffold750	59917	TT	AA	1940467935
SNP_P1_206365_59973	NW_004516139.1	Scaffold750	59973	CC	GG	1940467936
SNP_P1_206366_60010	NW_004516139.1	Scaffold750	60010	GG	TT	1940467937
SNP_P1_206367_60028	NW_004516139.1	Scaffold750	60028	CC	TT	1940467938
SNP_P1_206368_60066	NW_004516139.1	Scaffold750	60066	CC	TT	1940467939
SNP_P1_206369_60075	NW_004516139.1	Scaffold750	60075	CC	TT	1940467940
SNP_P1_206370_60092	NW_004516139.1	Scaffold750	60092	CC	AA	1940467941
SNP_P1_206371_60131	NW_004516139.1	Scaffold750	60131	GG	TT	1940467942
SNP_P1_206372_60161	NW_004516139.1	Scaffold750	60161	CC	TT	1940467943
SNP_P1_206373_60175	NW_004516139.1	Scaffold750	60175	AA	TT	1940467944
SNP_P1_206374_60192	NW_004516139.1	Scaffold750	60192	GG	AA	1940467945
SNP_P1_206375_60199	NW_004516139.1	Scaffold750	60199	AA	GG	1940467946
SNP_P1_206376_60250	NW_004516139.1	Scaffold750	60250	CC	TT	1940467947
SNP_P1_206377_60254	NW_004516139.1	Scaffold750	60254	AA	GG	1940467948
SNP_P1_206378_60275	NW_004516139.1	Scaffold750	60275	TT	GG	1940467949
SNP_P1_206379_60516	NW_004516139.1	Scaffold750	60516	TT	AA	1940467950
SNP_P1_206380_66794	NW_004516139.1	Scaffold750	66794	TT	AA	1940467951
SNP_P1_206381_80838	NW_004516139.1	Scaffold750	80838	AA	TT	1940467952
SNP_P1_206382_81301	NW_004516139.1	Scaffold750	81301	TT	AA	1940467953
SNP_P1_206383_81662	NW_004516139.1	Scaffold750	81662	GG	AA	1940467954
SNP_P1_206384_83457	NW_004516139.1	Scaffold750	83457	CC	AA	1940467955
SNP_P1_206385_95098	NW_004516139.1	Scaffold750	95098	CC	GG	1940467956
SNP_P1_206386_95144	NW_004516139.1	Scaffold750	95144	GG	AA	1940467957
SNP_P1_206387_95184	NW_004516139.1	Scaffold750	95184	CC	TT	1940467958
SNP_P1_206388_106550	NW_004516139.1	Scaffold750	106550	AA	CC	1940467959
SNP_P1_206390_106922	NW_004516139.1	Scaffold750	106922	TT	CC	1940467960
SNP_P1_206391_106984	NW_004516139.1	Scaffold750	106984	TT	GG	1940467961
SNP_P1_206393_133537	NW_004516139.1	Scaffold750	133537	CC	TT	1940467962
SNP_P1_206394_141171	NW_004516139.1	Scaffold750	141171	CC	AA	1940467963
SNP_P1_206395_141189	NW_004516139.1	Scaffold750	141189	AA	GG	1940467964
SNP_P1_206396_147791	NW_004516139.1	Scaffold750	147791	AA	CC	1940467965
SNP_P1_206397_154632	NW_004516139.1	Scaffold750	154632	CC	TT	1940467966
SNP_P1_206398_158900	NW_004516139.1	Scaffold750	158900	CC	TT	1940467967
SNP_P1_206399_158903	NW_004516139.1	Scaffold750	158903	GG	AA	1940467968
SNP_P1_206400_158932	NW_004516139.1	Scaffold750	158932	TT	GG	1940467969
SNP_P1_206402_185102	NW_004516139.1	Scaffold750	185102	TT	CC	1940467970
SNP_P1_206403_185253	NW_004516139.1	Scaffold750	185253	AA	CC	1940467971
SNP_P1_206404_185265	NW_004516139.1	Scaffold750	185265	AA	TT	1940467972
SNP_P1_206405_185298	NW_004516139.1	Scaffold750	185298	TT	CC	1940467973
SNP_P1_206406_185311	NW_004516139.1	Scaffold750	185311	TT	CC	1940467974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_206408_190518	NW_004516139.1	Scaffold750	190518	AA	TT	1940467976
SNP_P1_206409_190521	NW_004516139.1	Scaffold750	190521	AA	GG	1940467977
SNP_P1_206410_190522	NW_004516139.1	Scaffold750	190522	TT	GG	1940467978
SNP_P1_206411_190565	NW_004516139.1	Scaffold750	190565	CC	TT	1940467979
SNP_P1_206412_221724	NW_004516139.1	Scaffold750	221724	AA	GG	1940467980
SNP_P1_206413_227819	NW_004516139.1	Scaffold750	227819	GG	AA	1940467981
SNP_P1_206414_228489	NW_004516139.1	Scaffold750	228489	GG	AA	1940467982
SNP_P1_206415_228511	NW_004516139.1	Scaffold750	228511	TT	AA	1940467983
SNP_P1_206416_228517	NW_004516139.1	Scaffold750	228517	GG	AA	1940467984
SNP_P1_206417_232707	NW_004516139.1	Scaffold750	232707	TT	AA	1940467985
SNP_P1_206418_232835	NW_004516139.1	Scaffold750	232835	AA	TT	1940467986
SNP_P1_206419_243018	NW_004516139.1	Scaffold750	243018	AA	CC	1940467987
SNP_P1_206420_243052	NW_004516139.1	Scaffold750	243052	GG	AA	1940467988
SNP_P1_206421_243198	NW_004516139.1	Scaffold750	243198	TT	CC	1940467989
SNP_P1_206422_243235	NW_004516139.1	Scaffold750	243235	AA	GG	1940467990
SNP_P1_206423_243249	NW_004516139.1	Scaffold750	243249	TT	CC	1940467991
SNP_P1_206424_244741	NW_004516139.1	Scaffold750	244741	CC	TT	1940467992
SNP_P1_206425_244754	NW_004516139.1	Scaffold750	244754	CC	TT	1940467993
SNP_P1_206426_244756	NW_004516139.1	Scaffold750	244756	CC	AA	1940467994
SNP_P1_206427_244761	NW_004516139.1	Scaffold750	244761	AA	TT	1940467995
SNP_P1_206428_244765	NW_004516139.1	Scaffold750	244765	GG	TT	1940467996
SNP_P1_206429_244876	NW_004516139.1	Scaffold750	244876	TT	AA	1940467997
SNP_P1_206430_244938	NW_004516139.1	Scaffold750	244938	GG	AA	1940467998
SNP_P1_206431_244943	NW_004516139.1	Scaffold750	244943	GG	AA	1940467999
SNP_P1_206432_244946	NW_004516139.1	Scaffold750	244946	CC	GG	1940468000
SNP_P1_206433_244952	NW_004516139.1	Scaffold750	244952	AA	GG	1940468001
SNP_P1_206434_245436	NW_004516139.1	Scaffold750	245436	CC	GG	1940468002
SNP_P1_206435_245636	NW_004516139.1	Scaffold750	245636	GG	AA	1940468003
SNP_P1_206436_245800	NW_004516139.1	Scaffold750	245800	TT	GG	1940468004
SNP_P1_206438_248429	NW_004516139.1	Scaffold750	248429	GG	TT	1940468005
SNP_P1_206439_250712	NW_004516139.1	Scaffold750	250712	GG	AA	1940468006
SNP_P1_206440_254570	NW_004516139.1	Scaffold750	254570	GG	AA	1940468007
SNP_P1_206441_257102	NW_004516139.1	Scaffold750	257102	AA	GG	1940468008
SNP_P1_206442_257110	NW_004516139.1	Scaffold750	257110	TT	CC	1940468009
SNP_P1_206443_258258	NW_004516139.1	Scaffold750	258258	TT	AA	1940468010
SNP_P1_206444_259530	NW_004516139.1	Scaffold750	259530	CC	TT	1940468011
SNP_P1_206446_263973	NW_004516139.1	Scaffold750	263973	TT	AA	1940468012
SNP_P1_206447_264022	NW_004516139.1	Scaffold750	264022	TT	AA	1940468013
SNP_P1_206448_264215	NW_004516139.1	Scaffold750	264215	CC	TT	1940468014
SNP_P1_206449_264235	NW_004516139.1	Scaffold750	264235	TT	CC	1940468015
SNP_P1_206450_264283	NW_004516139.1	Scaffold750	264283	GG	CC	1940468016

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206451_265864	NW_004516139.1	Scaffold750	265864	CC	GG	1940468017
SNP_P1_206452_266247	NW_004516139.1	Scaffold750	266247	GG	AA	1940468018
SNP_P1_206453_266268	NW_004516139.1	Scaffold750	266268	TT	CC	1940468019
SNP_P1_206454_266314	NW_004516139.1	Scaffold750	266314	GG	AA	1940468020
SNP_P1_206455_267480	NW_004516139.1	Scaffold750	267480	AA	TT	1940468021
SNP_P1_206456_267616	NW_004516139.1	Scaffold750	267616	TT	CC	1940468022
SNP_P1_206457_267628	NW_004516139.1	Scaffold750	267628	CC	TT	1940468023
SNP_P1_206458_267911	NW_004516139.1	Scaffold750	267911	GG	TT	1940468024
SNP_P1_206459_267980	NW_004516139.1	Scaffold750	267980	AA	GG	1940468025
SNP_P1_206460_268861	NW_004516139.1	Scaffold750	268861	TT	CC	1940468026
SNP_P1_206461_268882	NW_004516139.1	Scaffold750	268882	TT	CC	1940468027
SNP_P1_206462_269034	NW_004516139.1	Scaffold750	269034	GG	AA	1940468028
SNP_P1_206463_272007	NW_004516139.1	Scaffold750	272007	CC	TT	1940468029
SNP_P1_206464_272048	NW_004516139.1	Scaffold750	272048	TT	AA	1940468030
SNP_P1_206465_272769	NW_004516139.1	Scaffold750	272769	TT	AA	1940468031
SNP_P1_206466_273685	NW_004516139.1	Scaffold750	273685	TT	CC	1940468032
SNP_P1_206467_273696	NW_004516139.1	Scaffold750	273696	TT	CC	1940468033
SNP_P1_206468_273792	NW_004516139.1	Scaffold750	273792	CC	TT	1940468034
SNP_P1_206469_273975	NW_004516139.1	Scaffold750	273975	TT	GG	1940468035
SNP_P1_206470_274128	NW_004516139.1	Scaffold750	274128	CC	TT	1940468036
SNP_P1_206471_278427	NW_004516139.1	Scaffold750	278427	GG	AA	1940468037
SNP_P1_206472_278439	NW_004516139.1	Scaffold750	278439	AA	CC	1940468038
SNP_P1_206473_278445	NW_004516139.1	Scaffold750	278445	AA	GG	1940468039
SNP_P1_206474_278472	NW_004516139.1	Scaffold750	278472	TT	AA	1940468040
SNP_P1_206475_278491	NW_004516139.1	Scaffold750	278491	TT	CC	1940468042
SNP_P1_206476_278789	NW_004516139.1	Scaffold750	278789	TT	CC	1940468043
SNP_P1_206477_279334	NW_004516139.1	Scaffold750	279334	TT	CC	1940468044
SNP_P1_206478_279344	NW_004516139.1	Scaffold750	279344	TT	AA	1940468045
SNP_P1_206479_279352	NW_004516139.1	Scaffold750	279352	TT	CC	1940468046
SNP_P1_206480_279499	NW_004516139.1	Scaffold750	279499	TT	CC	1940468047
SNP_P1_206481_279665	NW_004516139.1	Scaffold750	279665	CC	TT	1940468048
SNP_P1_206482_279670	NW_004516139.1	Scaffold750	279670	AA	GG	1940468049
SNP_P1_206483_279683	NW_004516139.1	Scaffold750	279683	CC	TT	1940468050
SNP_P1_206484_279686	NW_004516139.1	Scaffold750	279686	CC	TT	1940468051
SNP_P1_206485_283700	NW_004516139.1	Scaffold750	283700	AA	TT	1940468052
SNP_P1_206486_291769	NW_004516139.1	Scaffold750	291769	AA	GG	1940468053
SNP_P1_206487_291773	NW_004516139.1	Scaffold750	291773	TT	GG	1940468054
SNP_P1_206488_301888	NW_004516139.1	Scaffold750	301888	CC	AA	1940468055
SNP_P1_206489_313683	NW_004516139.1	Scaffold750	313683	AA	CC	1940468056
SNP_P1_206490_318158	NW_004516139.1	Scaffold750	318158	AA	GG	1940468057
SNP_P1_206492_330052	NW_004516139.1	Scaffold750	330052	TT	CC	1940468058
SNP_P1_206493_337716	NW_004516139.1	Scaffold750	337716	GG	CC	1940468059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206494_347769	NW_004516139.1	Scaffold750	347769	CC	TT	1940468060
SNP_P1_206495_347970	NW_004516139.1	Scaffold750	347970	CC	TT	1940468061
SNP_P1_206496_348026	NW_004516139.1	Scaffold750	348026	AA	GG	1940468062
SNP_P1_206497_348237	NW_004516139.1	Scaffold750	348237	TT	AA	1940468063
SNP_P1_206498_348287	NW_004516139.1	Scaffold750	348287	CC	TT	1940468064
SNP_P1_206499_348345	NW_004516139.1	Scaffold750	348345	AA	GG	1940468065
SNP_P1_206500_360163	NW_004516139.1	Scaffold750	360163	CC	TT	1940468066
SNP_P1_206501_360252	NW_004516139.1	Scaffold750	360252	CC	TT	1940468067
SNP_P1_206503_360503	NW_004516139.1	Scaffold750	360503	TT	CC	1940468068
SNP_P1_206504_360521	NW_004516139.1	Scaffold750	360521	AA	TT	1940468069
SNP_P1_206505_360544	NW_004516139.1	Scaffold750	360544	AA	TT	1940468070
SNP_P1_206506_360560	NW_004516139.1	Scaffold750	360560	AA	CC	1940468071
SNP_P1_206507_360671	NW_004516139.1	Scaffold750	360671	AA	CC	1940468072
SNP_P1_206508_360673	NW_004516139.1	Scaffold750	360673	AA	GG	1940468073
SNP_P1_206509_362273	NW_004516139.1	Scaffold750	362273	CC	GG	1940468074
SNP_P1_206510_362276	NW_004516139.1	Scaffold750	362276	TT	CC	1940468075
SNP_P1_206511_362293	NW_004516139.1	Scaffold750	362293	TT	GG	1940468076
SNP_P1_206512_362295	NW_004516139.1	Scaffold750	362295	TT	AA	1940468077
SNP_P1_206513_362321	NW_004516139.1	Scaffold750	362321	TT	AA	1940468078
SNP_P1_206514_362349	NW_004516139.1	Scaffold750	362349	CC	TT	1940468079
SNP_P1_206516_13569	NW_004516140.1	Scaffold752	13569	GG	AA	1940468080
SNP_P1_206517_17280	NW_004516140.1	Scaffold752	17280	CC	TT	1940468081
SNP_P1_206518_27029	NW_004516140.1	Scaffold752	27029	AA	GG	1940468082
SNP_P1_206519_29876	NW_004516140.1	Scaffold752	29876	CC	AA	1940468083
SNP_P1_206520_38793	NW_004516140.1	Scaffold752	38793	TT	CC	1940468084
SNP_P1_206522_50121	NW_004516140.1	Scaffold752	50121	CC	AA	1940468085
SNP_P1_206523_50122	NW_004516140.1	Scaffold752	50122	CC	AA	1940468086
SNP_P1_206524_50188	NW_004516140.1	Scaffold752	50188	GG	AA	1940468087
SNP_P1_206525_50482	NW_004516140.1	Scaffold752	50482	AA	GG	1940468088
SNP_P1_206526_50503	NW_004516140.1	Scaffold752	50503	TT	CC	1940468089
SNP_P1_206527_50611	NW_004516140.1	Scaffold752	50611	AA	CC	1940468090
SNP_P1_206528_50640	NW_004516140.1	Scaffold752	50640	AA	TT	1940468091
SNP_P1_206529_50855	NW_004516140.1	Scaffold752	50855	GG	AA	1940468092
SNP_P1_206530_53985	NW_004516140.1	Scaffold752	53985	CC	TT	1940468093
SNP_P1_206531_55342	NW_004516140.1	Scaffold752	55342	CC	TT	1940468094
SNP_P1_206532_69098	NW_004516140.1	Scaffold752	69098	CC	TT	1940468095
SNP_P1_206533_70363	NW_004516140.1	Scaffold752	70363	AA	CC	1940468096
SNP_P1_206534_98840	NW_004516140.1	Scaffold752	98840	CC	TT	1940468097
SNP_P1_206535_98844	NW_004516140.1	Scaffold752	98844	GG	AA	1940468098
SNP_P1_206536_99166	NW_004516140.1	Scaffold752	99166	GG	AA	1940468099
SNP_P1_206537_99199	NW_004516140.1	Scaffold752	99199	AA	GG	1940468100
SNP_P1_206538_99416	NW_004516140.1	Scaffold752	99416	TT	CC	1940468101

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206539_99498	NW_004516140.1	Scaffold752	99498	CC	GG	1940468102
SNP_P1_206540_99510	NW_004516140.1	Scaffold752	99510	TT	CC	1940468103
SNP_P1_206541_100846	NW_004516140.1	Scaffold752	100846	CC	TT	1940468104
SNP_P1_206542_112851	NW_004516140.1	Scaffold752	112851	AA	TT	1940468105
SNP_P1_206543_112875	NW_004516140.1	Scaffold752	112875	TT	CC	1940468106
SNP_P1_206544_113139	NW_004516140.1	Scaffold752	113139	AA	GG	1940468107
SNP_P1_206545_113213	NW_004516140.1	Scaffold752	113213	AA	CC	1940468108
SNP_P1_206547_119442	NW_004516140.1	Scaffold752	119442	AA	CC	1940468109
SNP_P1_206548_119451	NW_004516140.1	Scaffold752	119451	TT	AA	1940468110
SNP_P1_206549_119452	NW_004516140.1	Scaffold752	119452	TT	GG	1940468111
SNP_P1_206551_137834	NW_004516140.1	Scaffold752	137834	TT	CC	1940468112
SNP_P1_206552_137842	NW_004516140.1	Scaffold752	137842	AA	GG	1940468113
SNP_P1_206553_137895	NW_004516140.1	Scaffold752	137895	TT	AA	1940468114
SNP_P1_206554_137903	NW_004516140.1	Scaffold752	137903	AA	CC	1940468115
SNP_P1_206555_137905	NW_004516140.1	Scaffold752	137905	AA	CC	1940468116
SNP_P1_206556_137990	NW_004516140.1	Scaffold752	137990	AA	GG	1940468117
SNP_P1_206557_138021	NW_004516140.1	Scaffold752	138021	AA	GG	1940468118
SNP_P1_206558_138196	NW_004516140.1	Scaffold752	138196	TT	AA	1940468119
SNP_P1_206559_138208	NW_004516140.1	Scaffold752	138208	TT	CC	1940468120
SNP_P1_206560_138440	NW_004516140.1	Scaffold752	138440	GG	CC	1940468121
SNP_P1_206561_138461	NW_004516140.1	Scaffold752	138461	GG	AA	1940468122
SNP_P1_206562_138488	NW_004516140.1	Scaffold752	138488	GG	AA	1940468123
SNP_P1_206563_144418	NW_004516140.1	Scaffold752	144418	TT	GG	1940468124
SNP_P1_206564_144419	NW_004516140.1	Scaffold752	144419	TT	CC	1940468125
SNP_P1_206565_144468	NW_004516140.1	Scaffold752	144468	TT	CC	1940468126
SNP_P1_206566_149709	NW_004516140.1	Scaffold752	149709	TT	AA	1940468127
SNP_P1_206567_150442	NW_004516140.1	Scaffold752	150442	AA	GG	1940468128
SNP_P1_206568_150640	NW_004516140.1	Scaffold752	150640	AA	GG	1940468129
SNP_P1_206569_150653	NW_004516140.1	Scaffold752	150653	GG	CC	1940468130
SNP_P1_206570_150671	NW_004516140.1	Scaffold752	150671	GG	CC	1940468131
SNP_P1_206572_151849	NW_004516140.1	Scaffold752	151849	GG	AA	1940468132
SNP_P1_206573_152249	NW_004516140.1	Scaffold752	152249	TT	AA	1940468133
SNP_P1_206574_152281	NW_004516140.1	Scaffold752	152281	CC	AA	1940468134
SNP_P1_206575_152515	NW_004516140.1	Scaffold752	152515	CC	AA	1940468135
SNP_P1_206576_152518	NW_004516140.1	Scaffold752	152518	AA	CC	1940468136
SNP_P1_206577_152558	NW_004516140.1	Scaffold752	152558	AA	GG	1940468137
SNP_P1_206578_152606	NW_004516140.1	Scaffold752	152606	GG	TT	1940468138
SNP_P1_206579_152615	NW_004516140.1	Scaffold752	152615	TT	CC	1940468139
SNP_P1_206580_159153	NW_004516140.1	Scaffold752	159153	GG	CC	1940468140
SNP_P1_206582_190918	NW_004516140.1	Scaffold752	190918	CC	TT	1940468141
SNP_P1_206584_209668	NW_004516140.1	Scaffold752	209668	AA	TT	1940468142
SNP_P1_206585_209722	NW_004516140.1	Scaffold752	209722	AA	GG	1940468143

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206586_209733	NW_004516140.1	Scaffold752	209733	CC	TT	1940468144
SNP_P1_206587_209954	NW_004516140.1	Scaffold752	209954	GG	AA	1940468145
SNP_P1_206588_209976	NW_004516140.1	Scaffold752	209976	AA	GG	1940468146
SNP_P1_206589_209988	NW_004516140.1	Scaffold752	209988	TT	CC	1940468147
SNP_P1_206590_212078	NW_004516140.1	Scaffold752	212078	AA	GG	1940468148
SNP_P1_206591_214484	NW_004516140.1	Scaffold752	214484	CC	TT	1940468149
SNP_P1_206594_228245	NW_004516140.1	Scaffold752	228245	GG	TT	1940468150
SNP_P1_206595_231148	NW_004516140.1	Scaffold752	231148	AA	CC	1940468151
SNP_P1_206596_231149	NW_004516140.1	Scaffold752	231149	CC	TT	1940468152
SNP_P1_206597_231210	NW_004516140.1	Scaffold752	231210	GG	CC	1940468153
SNP_P1_206598_231220	NW_004516140.1	Scaffold752	231220	AA	GG	1940468154
SNP_P1_206599_231238	NW_004516140.1	Scaffold752	231238	GG	AA	1940468155
SNP_P1_206600_231259	NW_004516140.1	Scaffold752	231259	AA	GG	1940468156
SNP_P1_206601_231264	NW_004516140.1	Scaffold752	231264	AA	GG	1940468157
SNP_P1_206602_231289	NW_004516140.1	Scaffold752	231289	TT	CC	1940468158
SNP_P1_206603_231298	NW_004516140.1	Scaffold752	231298	CC	TT	1940468159
SNP_P1_206604_231310	NW_004516140.1	Scaffold752	231310	CC	TT	1940468160
SNP_P1_206605_231371	NW_004516140.1	Scaffold752	231371	CC	TT	1940468161
SNP_P1_206606_231458	NW_004516140.1	Scaffold752	231458	TT	CC	1940468162
SNP_P1_206607_231467	NW_004516140.1	Scaffold752	231467	GG	AA	1940468163
SNP_P1_206608_231477	NW_004516140.1	Scaffold752	231477	CC	TT	1940468164
SNP_P1_206609_231484	NW_004516140.1	Scaffold752	231484	AA	CC	1940468165
SNP_P1_206610_231499	NW_004516140.1	Scaffold752	231499	TT	GG	1940468166
SNP_P1_206611_231500	NW_004516140.1	Scaffold752	231500	AA	GG	1940468167
SNP_P1_206612_231509	NW_004516140.1	Scaffold752	231509	GG	AA	1940468168
SNP_P1_206613_231542	NW_004516140.1	Scaffold752	231542	GG	AA	1940468169
SNP_P1_206614_231554	NW_004516140.1	Scaffold752	231554	AA	GG	1940468170
SNP_P1_206615_232171	NW_004516140.1	Scaffold752	232171	CC	TT	1940468171
SNP_P1_206616_232447	NW_004516140.1	Scaffold752	232447	GG	TT	1940468172
SNP_P1_206617_232448	NW_004516140.1	Scaffold752	232448	GG	TT	1940468173
SNP_P1_206618_232475	NW_004516140.1	Scaffold752	232475	GG	AA	1940468174
SNP_P1_206619_249767	NW_004516140.1	Scaffold752	249767	GG	AA	1940468175
SNP_P1_206620_250462	NW_004516140.1	Scaffold752	250462	GG	AA	1940468176
SNP_P1_206621_256082	NW_004516140.1	Scaffold752	256082	TT	CC	1940468177
SNP_P1_206623_269644	NW_004516140.1	Scaffold752	269644	AA	CC	1940468178
SNP_P1_206624_269712	NW_004516140.1	Scaffold752	269712	AA	GG	1940468180
SNP_P1_206625_289250	NW_004516140.1	Scaffold752	289250	TT	AA	1940468181
SNP_P1_206626_293890	NW_004516140.1	Scaffold752	293890	AA	GG	1940468182
SNP_P1_206627_293949	NW_004516140.1	Scaffold752	293949	GG	AA	1940468183
SNP_P1_206628_294033	NW_004516140.1	Scaffold752	294033	CC	AA	1940468184
SNP_P1_206629_294093	NW_004516140.1	Scaffold752	294093	TT	CC	1940468185
SNP_P1_206630_294267	NW_004516140.1	Scaffold752	294267	GG	AA	1940468186

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206632_296650	NW_004516140.1	Scaffold752	296650	AA	CC	1940468187
SNP_P1_206633_320300	NW_004516140.1	Scaffold752	320300	GG	AA	1940468188
SNP_P1_206634_326476	NW_004516140.1	Scaffold752	326476	AA	GG	1940468189
SNP_P1_206636_385760	NW_004516140.1	Scaffold752	385760	CC	TT	1940468190
SNP_P1_206637_412715	NW_004516140.1	Scaffold752	412715	AA	CC	1940468191
SNP_P1_206638_418135	NW_004516140.1	Scaffold752	418135	TT	CC	1940468192
SNP_P1_206639_451242	NW_004516140.1	Scaffold752	451242	TT	CC	1940468193
SNP_P1_206640_456568	NW_004516140.1	Scaffold752	456568	AA	GG	1940468194
SNP_P1_206641_456958	NW_004516140.1	Scaffold752	456958	GG	CC	1940468195
SNP_P1_206642_456983	NW_004516140.1	Scaffold752	456983	TT	GG	1940468196
SNP_P1_206643_457037	NW_004516140.1	Scaffold752	457037	TT	GG	1940468197
SNP_P1_206644_457042	NW_004516140.1	Scaffold752	457042	TT	GG	1940468198
SNP_P1_206645_476039	NW_004516140.1	Scaffold752	476039	AA	GG	1940468199
SNP_P1_206646_486149	NW_004516140.1	Scaffold752	486149	CC	AA	1940468200
SNP_P1_206647_486158	NW_004516140.1	Scaffold752	486158	CC	TT	1940468201
SNP_P1_206648_495208	NW_004516140.1	Scaffold752	495208	AA	TT	1940468202
SNP_P1_206649_495215	NW_004516140.1	Scaffold752	495215	CC	AA	1940468203
SNP_P1_206650_495218	NW_004516140.1	Scaffold752	495218	TT	CC	1940468204
SNP_P1_206651_504855	NW_004516140.1	Scaffold752	504855	CC	TT	1940468205
SNP_P1_206652_504858	NW_004516140.1	Scaffold752	504858	GG	TT	1940468206
SNP_P1_206653_504883	NW_004516140.1	Scaffold752	504883	GG	AA	1940468207
SNP_P1_206654_504930	NW_004516140.1	Scaffold752	504930	TT	CC	1940468208
SNP_P1_206655_504935	NW_004516140.1	Scaffold752	504935	TT	AA	1940468209
SNP_P1_206656_505082	NW_004516140.1	Scaffold752	505082	GG	CC	1940468210
SNP_P1_206657_505096	NW_004516140.1	Scaffold752	505096	CC	TT	1940468211
SNP_P1_206659_505290	NW_004516140.1	Scaffold752	505290	AA	GG	1940468212
SNP_P1_206660_505333	NW_004516140.1	Scaffold752	505333	AA	TT	1940468213
SNP_P1_206661_505558	NW_004516140.1	Scaffold752	505558	TT	CC	1940468214
SNP_P1_206663_4752	NW_004516141.1	Scaffold753	4752	AA	GG	1940468215
SNP_P1_206665_20002	NW_004516141.1	Scaffold753	20002	CC	TT	1940468216
SNP_P1_206666_47980	NW_004516141.1	Scaffold753	47980	GG	AA	1940468217
SNP_P1_206668_73645	NW_004516141.1	Scaffold753	73645	TT	CC	1940468218
SNP_P1_206669_75496	NW_004516141.1	Scaffold753	75496	TT	GG	1940468219
SNP_P1_206670_84288	NW_004516141.1	Scaffold753	84288	AA	GG	1940468220
SNP_P1_206671_84387	NW_004516141.1	Scaffold753	84387	AA	CC	1940468221
SNP_P1_206672_84403	NW_004516141.1	Scaffold753	84403	AA	GG	1940468222
SNP_P1_206673_84406	NW_004516141.1	Scaffold753	84406	TT	CC	1940468223
SNP_P1_206675_110558	NW_004516141.1	Scaffold753	110558	TT	CC	1940468224
SNP_P1_206676_123070	NW_004516141.1	Scaffold753	123070	CC	TT	1940468225
SNP_P1_206677_123085	NW_004516141.1	Scaffold753	123085	GG	AA	1940468226
SNP_P1_206678_123100	NW_004516141.1	Scaffold753	123100	TT	CC	1940468227
SNP_P1_206679_123127	NW_004516141.1	Scaffold753	123127	TT	CC	1940468228

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206680_123158	NW_004516141.1	Scaffold753	123158	GG	AA	1940468229
SNP_P1_206681_123169	NW_004516141.1	Scaffold753	123169	TT	CC	1940468230
SNP_P1_206682_124240	NW_004516141.1	Scaffold753	124240	GG	AA	1940468231
SNP_P1_206684_134963	NW_004516141.1	Scaffold753	134963	GG	AA	1940468232
SNP_P1_206686_150068	NW_004516141.1	Scaffold753	150068	AA	TT	1940468233
SNP_P1_206687_150107	NW_004516141.1	Scaffold753	150107	CC	TT	1940468234
SNP_P1_206688_150759	NW_004516141.1	Scaffold753	150759	AA	GG	1940468235
SNP_P1_206689_151133	NW_004516141.1	Scaffold753	151133	CC	TT	1940468236
SNP_P1_206690_191421	NW_004516141.1	Scaffold753	191421	GG	AA	1940468237
SNP_P1_206691_205141	NW_004516141.1	Scaffold753	205141	AA	CC	1940468238
SNP_P1_206692_213327	NW_004516141.1	Scaffold753	213327	GG	TT	1940468239
SNP_P1_206693_213383	NW_004516141.1	Scaffold753	213383	AA	CC	1940468240
SNP_P1_206694_223568	NW_004516141.1	Scaffold753	223568	AA	GG	1940468241
SNP_P1_206695_228714	NW_004516141.1	Scaffold753	228714	AA	GG	1940468242
SNP_P1_206696_228758	NW_004516141.1	Scaffold753	228758	TT	CC	1940468243
SNP_P1_206697_228834	NW_004516141.1	Scaffold753	228834	AA	GG	1940468244
SNP_P1_206698_228884	NW_004516141.1	Scaffold753	228884	TT	CC	1940468245
SNP_P1_206699_229273	NW_004516141.1	Scaffold753	229273	CC	TT	1940468246
SNP_P1_206700_251752	NW_004516141.1	Scaffold753	251752	CC	TT	1940468247
SNP_P1_206701_268464	NW_004516141.1	Scaffold753	268464	AA	CC	1940468248
SNP_P1_206702_276256	NW_004516141.1	Scaffold753	276256	AA	CC	1940468249
SNP_P1_206703_300113	NW_004516141.1	Scaffold753	300113	GG	AA	1940468250
SNP_P1_206704_327302	NW_004516141.1	Scaffold753	327302	AA	GG	1940468251
SNP_P1_206705_330202	NW_004516141.1	Scaffold753	330202	AA	GG	1940468252
SNP_P1_206707_334175	NW_004516141.1	Scaffold753	334175	TT	AA	1940468253
SNP_P1_206710_14613	NW_004516142.1	Scaffold754	14613	TT	CC	1940468254
SNP_P1_206711_15095	NW_004516142.1	Scaffold754	15095	TT	GG	1940468255
SNP_P1_206712_15354	NW_004516142.1	Scaffold754	15354	AA	GG	1940468256
SNP_P1_206713_22165	NW_004516142.1	Scaffold754	22165	AA	GG	1940468257
SNP_P1_206714_25243	NW_004516142.1	Scaffold754	25243	CC	AA	1940468258
SNP_P1_206715_25428	NW_004516142.1	Scaffold754	25428	CC	GG	1940468259
SNP_P1_206716_11738	NW_004516144.1	Scaffold757	11738	GG	AA	1940468260
SNP_P1_206717_12128	NW_004516144.1	Scaffold757	12128	AA	GG	1940468261
SNP_P1_206718_12139	NW_004516144.1	Scaffold757	12139	TT	AA	1940468262
SNP_P1_206719_15319	NW_004516144.1	Scaffold757	15319	TT	CC	1940468263
SNP_P1_206720_28737	NW_004516144.1	Scaffold757	28737	CC	GG	1940468264
SNP_P1_206721_29646	NW_004516144.1	Scaffold757	29646	AA	TT	1940468265
SNP_P1_206722_29801	NW_004516144.1	Scaffold757	29801	TT	CC	1940468266
SNP_P1_206723_39270	NW_004516144.1	Scaffold757	39270	TT	AA	1940468267
SNP_P1_206724_45181	NW_004516144.1	Scaffold757	45181	GG	AA	1940468268
SNP_P1_206725_45923	NW_004516144.1	Scaffold757	45923	TT	AA	1940468269
SNP_P1_206726_51932	NW_004516144.1	Scaffold757	51932	TT	CC	1940468270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206727_52324	NW_004516144.1	Scaffold757	52324	TT	AA	1940468271
SNP_P1_206728_52365	NW_004516144.1	Scaffold757	52365	AA	GG	1940468272
SNP_P1_206729_52395	NW_004516144.1	Scaffold757	52395	AA	GG	1940468273
SNP_P1_206730_72617	NW_004516144.1	Scaffold757	72617	GG	AA	1940468274
SNP_P1_206731_72799	NW_004516144.1	Scaffold757	72799	TT	GG	1940468275
SNP_P1_206732_72922	NW_004516144.1	Scaffold757	72922	TT	CC	1940468276
SNP_P1_206733_72928	NW_004516144.1	Scaffold757	72928	GG	AA	1940468277
SNP_P1_206734_72937	NW_004516144.1	Scaffold757	72937	GG	AA	1940468278
SNP_P1_206735_72971	NW_004516144.1	Scaffold757	72971	CC	TT	1940468279
SNP_P1_206737_73004	NW_004516144.1	Scaffold757	73004	GG	AA	1940468280
SNP_P1_206738_73013	NW_004516144.1	Scaffold757	73013	TT	GG	1940468281
SNP_P1_206739_73089	NW_004516144.1	Scaffold757	73089	TT	AA	1940468282
SNP_P1_206740_73122	NW_004516144.1	Scaffold757	73122	AA	GG	1940468283
SNP_P1_206741_73123	NW_004516144.1	Scaffold757	73123	AA	GG	1940468284
SNP_P1_206742_73158	NW_004516144.1	Scaffold757	73158	AA	GG	1940468285
SNP_P1_206743_73165	NW_004516144.1	Scaffold757	73165	TT	CC	1940468286
SNP_P1_206744_76386	NW_004516144.1	Scaffold757	76386	CC	TT	1940468287
SNP_P1_206745_78221	NW_004516144.1	Scaffold757	78221	TT	GG	1940468288
SNP_P1_206746_227	NW_004516145.1	Scaffold758	227	AA	GG	1940468289
SNP_P1_206747_2130	NW_004516145.1	Scaffold758	2130	TT	CC	1940468290
SNP_P1_206748_3639	NW_004516145.1	Scaffold758	3639	GG	CC	1940468291
SNP_P1_206749_11072	NW_004516145.1	Scaffold758	11072	GG	TT	1940468292
SNP_P1_206750_11096	NW_004516145.1	Scaffold758	11096	GG	TT	1940468293
SNP_P1_206751_11578	NW_004516145.1	Scaffold758	11578	TT	AA	1940468294
SNP_P1_206752_11733	NW_004516145.1	Scaffold758	11733	CC	TT	1940468295
SNP_P1_206753_12604	NW_004516145.1	Scaffold758	12604	AA	GG	1940468296
SNP_P1_206755_12973	NW_004516145.1	Scaffold758	12973	CC	TT	1940468297
SNP_P1_206756_12975	NW_004516145.1	Scaffold758	12975	GG	AA	1940468298
SNP_P1_206757_13233	NW_004516145.1	Scaffold758	13233	GG	AA	1940468299
SNP_P1_206759_16503	NW_004516145.1	Scaffold758	16503	AA	GG	1940468300
SNP_P1_206760_19559	NW_004516145.1	Scaffold758	19559	TT	GG	1940468301
SNP_P1_206761_22095	NW_004516145.1	Scaffold758	22095	TT	AA	1940468302
SNP_P1_206762_22101	NW_004516145.1	Scaffold758	22101	GG	AA	1940468303
SNP_P1_206763_22121	NW_004516145.1	Scaffold758	22121	AA	TT	1940468304
SNP_P1_206764_22122	NW_004516145.1	Scaffold758	22122	CC	AA	1940468305
SNP_P1_206765_22138	NW_004516145.1	Scaffold758	22138	GG	AA	1940468306
SNP_P1_206766_22272	NW_004516145.1	Scaffold758	22272	TT	CC	1940468307
SNP_P1_206767_22273	NW_004516145.1	Scaffold758	22273	AA	GG	1940468308
SNP_P1_206768_22297	NW_004516145.1	Scaffold758	22297	CC	AA	1940468309
SNP_P1_206769_22320	NW_004516145.1	Scaffold758	22320	CC	TT	1940468310
SNP_P1_206770_22331	NW_004516145.1	Scaffold758	22331	AA	GG	1940468311
SNP_P1_206771_22356	NW_004516145.1	Scaffold758	22356	TT	CC	1940468312

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206772_22392	NW_004516145.1	Scaffold758	22392	CC	TT	1940468313
SNP_P1_206773_22606	NW_004516145.1	Scaffold758	22606	TT	CC	1940468314
SNP_P1_206774_22623	NW_004516145.1	Scaffold758	22623	TT	CC	1940468316
SNP_P1_206775_22627	NW_004516145.1	Scaffold758	22627	AA	CC	1940468317
SNP_P1_206776_22631	NW_004516145.1	Scaffold758	22631	AA	GG	1940468318
SNP_P1_206777_22637	NW_004516145.1	Scaffold758	22637	GG	TT	1940468319
SNP_P1_206779_26845	NW_004516145.1	Scaffold758	26845	AA	CC	1940468320
SNP_P1_206780_26848	NW_004516145.1	Scaffold758	26848	CC	TT	1940468321
SNP_P1_206781_34206	NW_004516145.1	Scaffold758	34206	GG	AA	1940468322
SNP_P1_206783_53248	NW_004516145.1	Scaffold758	53248	CC	AA	1940468323
SNP_P1_206784_60470	NW_004516145.1	Scaffold758	60470	AA	GG	1940468324
SNP_P1_206785_60523	NW_004516145.1	Scaffold758	60523	CC	TT	1940468325
SNP_P1_206786_60537	NW_004516145.1	Scaffold758	60537	GG	AA	1940468326
SNP_P1_206787_63020	NW_004516145.1	Scaffold758	63020	AA	GG	1940468327
SNP_P1_206788_80878	NW_004516145.1	Scaffold758	80878	GG	AA	1940468328
SNP_P1_206789_116213	NW_004516145.1	Scaffold758	116213	CC	AA	1940468329
SNP_P1_206790_116246	NW_004516145.1	Scaffold758	116246	AA	TT	1940468330
SNP_P1_206791_116265	NW_004516145.1	Scaffold758	116265	GG	AA	1940468331
SNP_P1_206792_116272	NW_004516145.1	Scaffold758	116272	CC	TT	1940468332
SNP_P1_206793_116274	NW_004516145.1	Scaffold758	116274	GG	AA	1940468333
SNP_P1_206794_116283	NW_004516145.1	Scaffold758	116283	GG	CC	1940468334
SNP_P1_206796_116324	NW_004516145.1	Scaffold758	116324	TT	CC	1940468335
SNP_P1_206797_116421	NW_004516145.1	Scaffold758	116421	TT	CC	1940468336
SNP_P1_206798_116460	NW_004516145.1	Scaffold758	116460	GG	AA	1940468337
SNP_P1_206799_116491	NW_004516145.1	Scaffold758	116491	AA	GG	1940468338
SNP_P1_206800_116805	NW_004516145.1	Scaffold758	116805	AA	TT	1940468339
SNP_P1_206801_117783	NW_004516145.1	Scaffold758	117783	AA	TT	1940468340
SNP_P1_206802_119608	NW_004516145.1	Scaffold758	119608	CC	TT	1940468341
SNP_P1_206803_119624	NW_004516145.1	Scaffold758	119624	CC	TT	1940468342
SNP_P1_206804_119733	NW_004516145.1	Scaffold758	119733	CC	AA	1940468343
SNP_P1_206805_119817	NW_004516145.1	Scaffold758	119817	GG	TT	1940468344
SNP_P1_206806_119828	NW_004516145.1	Scaffold758	119828	TT	CC	1940468345
SNP_P1_206807_119834	NW_004516145.1	Scaffold758	119834	TT	CC	1940468346
SNP_P1_206808_120004	NW_004516145.1	Scaffold758	120004	AA	GG	1940468347
SNP_P1_206809_120047	NW_004516145.1	Scaffold758	120047	TT	CC	1940468348
SNP_P1_206810_120057	NW_004516145.1	Scaffold758	120057	AA	GG	1940468349
SNP_P1_206811_518	NW_004516146.1	Scaffold759	518	CC	TT	1940468350
SNP_P1_206812_528	NW_004516146.1	Scaffold759	528	GG	AA	1940468351
SNP_P1_206813_1510	NW_004516146.1	Scaffold759	1510	GG	AA	1940468352
SNP_P1_206814_1876	NW_004516146.1	Scaffold759	1876	CC	TT	1940468353
SNP_P1_206815_3234	NW_004516146.1	Scaffold759	3234	TT	CC	1940468354
SNP_P1_206816_3313	NW_004516146.1	Scaffold759	3313	AA	TT	1940468355

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206817_3494	NW_004516146.1	Scaffold759	3494	GG	AA	1940468356
SNP_P1_206818_3671	NW_004516146.1	Scaffold759	3671	AA	CC	1940468357
SNP_P1_206819_3682	NW_004516146.1	Scaffold759	3682	GG	CC	1940468358
SNP_P1_206820_3683	NW_004516146.1	Scaffold759	3683	CC	GG	1940468359
SNP_P1_206821_3728	NW_004516146.1	Scaffold759	3728	GG	AA	1940468360
SNP_P1_206822_6089	NW_004516146.1	Scaffold759	6089	TT	CC	1940468361
SNP_P1_206823_6113	NW_004516146.1	Scaffold759	6113	TT	GG	1940468362
SNP_P1_206824_6120	NW_004516146.1	Scaffold759	6120	CC	TT	1940468363
SNP_P1_206825_6122	NW_004516146.1	Scaffold759	6122	CC	TT	1940468364
SNP_P1_206826_6128	NW_004516146.1	Scaffold759	6128	TT	CC	1940468365
SNP_P1_206827_6164	NW_004516146.1	Scaffold759	6164	TT	CC	1940468366
SNP_P1_206828_6193	NW_004516146.1	Scaffold759	6193	AA	CC	1940468367
SNP_P1_206830_6444	NW_004516146.1	Scaffold759	6444	GG	AA	1940468368
SNP_P1_206831_6445	NW_004516146.1	Scaffold759	6445	TT	GG	1940468369
SNP_P1_206832_6450	NW_004516146.1	Scaffold759	6450	AA	GG	1940468370
SNP_P1_206833_6458	NW_004516146.1	Scaffold759	6458	GG	TT	1940468371
SNP_P1_206834_6470	NW_004516146.1	Scaffold759	6470	AA	GG	1940468372
SNP_P1_206835_6921	NW_004516146.1	Scaffold759	6921	TT	CC	1940468373
SNP_P1_206836_6943	NW_004516146.1	Scaffold759	6943	TT	CC	1940468374
SNP_P1_206837_6991	NW_004516146.1	Scaffold759	6991	AA	GG	1940468375
SNP_P1_206838_6998	NW_004516146.1	Scaffold759	6998	GG	AA	1940468376
SNP_P1_206839_7066	NW_004516146.1	Scaffold759	7066	AA	CC	1940468377
SNP_P1_206840_7071	NW_004516146.1	Scaffold759	7071	GG	AA	1940468378
SNP_P1_206841_7099	NW_004516146.1	Scaffold759	7099	TT	CC	1940468379
SNP_P1_206842_7261	NW_004516146.1	Scaffold759	7261	GG	AA	1940468380
SNP_P1_206843_7297	NW_004516146.1	Scaffold759	7297	TT	CC	1940468381
SNP_P1_206844_7336	NW_004516146.1	Scaffold759	7336	TT	CC	1940468382
SNP_P1_206845_7369	NW_004516146.1	Scaffold759	7369	GG	AA	1940468383
SNP_P1_206846_8262	NW_004516146.1	Scaffold759	8262	AA	CC	1940468384
SNP_P1_206847_8572	NW_004516146.1	Scaffold759	8572	TT	CC	1940468385
SNP_P1_206848_21170	NW_004516146.1	Scaffold759	21170	CC	TT	1940468386
SNP_P1_206849_36843	NW_004516146.1	Scaffold759	36843	TT	CC	1940468387
SNP_P1_206850_60195	NW_004516146.1	Scaffold759	60195	TT	CC	1940468388
SNP_P1_206851_60203	NW_004516146.1	Scaffold759	60203	GG	AA	1940468389
SNP_P1_206852_66810	NW_004516146.1	Scaffold759	66810	AA	GG	1940468390
SNP_P1_206853_66845	NW_004516146.1	Scaffold759	66845	AA	GG	1940468391
SNP_P1_206854_66981	NW_004516146.1	Scaffold759	66981	AA	TT	1940468392
SNP_P1_206855_67207	NW_004516146.1	Scaffold759	67207	AA	GG	1940468393
SNP_P1_206856_68120	NW_004516146.1	Scaffold759	68120	GG	AA	1940468394
SNP_P1_206857_68150	NW_004516146.1	Scaffold759	68150	TT	CC	1940468395
SNP_P1_206858_73079	NW_004516146.1	Scaffold759	73079	TT	AA	1940468396
SNP_P1_206859_73090	NW_004516146.1	Scaffold759	73090	GG	AA	1940468397

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206860_73092	NW_004516146.1	Scaffold759	73092	GG	AA	1940468398
SNP_P1_206861_77203	NW_004516146.1	Scaffold759	77203	AA	TT	1940468399
SNP_P1_206862_77482	NW_004516146.1	Scaffold759	77482	GG	AA	1940468400
SNP_P1_206863_77497	NW_004516146.1	Scaffold759	77497	GG	AA	1940468401
SNP_P1_206864_86757	NW_004516146.1	Scaffold759	86757	AA	CC	1940468402
SNP_P1_206865_87283	NW_004516146.1	Scaffold759	87283	AA	TT	1940468403
SNP_P1_206867_112944	NW_004516146.1	Scaffold759	112944	TT	CC	1940468404
SNP_P1_206868_112945	NW_004516146.1	Scaffold759	112945	TT	CC	1940468405
SNP_P1_206869_112978	NW_004516146.1	Scaffold759	112978	CC	TT	1940468406
SNP_P1_206870_112982	NW_004516146.1	Scaffold759	112982	GG	CC	1940468407
SNP_P1_206871_126437	NW_004516146.1	Scaffold759	126437	GG	TT	1940468408
SNP_P1_206872_126838	NW_004516146.1	Scaffold759	126838	CC	TT	1940468409
SNP_P1_206873_127833	NW_004516146.1	Scaffold759	127833	AA	GG	1940468410
SNP_P1_206874_127843	NW_004516146.1	Scaffold759	127843	AA	GG	1940468411
SNP_P1_206875_127846	NW_004516146.1	Scaffold759	127846	GG	AA	1940468412
SNP_P1_206876_128171	NW_004516146.1	Scaffold759	128171	AA	TT	1940468413
SNP_P1_206877_138174	NW_004516146.1	Scaffold759	138174	CC	AA	1940468414
SNP_P1_206878_138208	NW_004516146.1	Scaffold759	138208	AA	TT	1940468415
SNP_P1_206879_138251	NW_004516146.1	Scaffold759	138251	TT	CC	1940468416
SNP_P1_206880_138567	NW_004516146.1	Scaffold759	138567	TT	GG	1940468417
SNP_P1_206881_138600	NW_004516146.1	Scaffold759	138600	AA	GG	1940468418
SNP_P1_206882_144978	NW_004516146.1	Scaffold759	144978	CC	TT	1940468419
SNP_P1_206883_145029	NW_004516146.1	Scaffold759	145029	TT	CC	1940468420
SNP_P1_206884_145030	NW_004516146.1	Scaffold759	145030	GG	TT	1940468421
SNP_P1_206885_145372	NW_004516146.1	Scaffold759	145372	CC	TT	1940468422
SNP_P1_206886_145422	NW_004516146.1	Scaffold759	145422	TT	CC	1940468423
SNP_P1_206887_145468	NW_004516146.1	Scaffold759	145468	AA	GG	1940468424
SNP_P1_206888_145477	NW_004516146.1	Scaffold759	145477	AA	GG	1940468425
SNP_P1_206889_160009	NW_004516146.1	Scaffold759	160009	GG	TT	1940468426
SNP_P1_206890_160044	NW_004516146.1	Scaffold759	160044	AA	GG	1940468427
SNP_P1_206891_160072	NW_004516146.1	Scaffold759	160072	GG	TT	1940468428
SNP_P1_206892_160349	NW_004516146.1	Scaffold759	160349	GG	CC	1940468429
SNP_P1_206893_160398	NW_004516146.1	Scaffold759	160398	TT	GG	1940468430
SNP_P1_206894_160401	NW_004516146.1	Scaffold759	160401	TT	CC	1940468431
SNP_P1_206895_160688	NW_004516146.1	Scaffold759	160688	TT	CC	1940468432
SNP_P1_206897_485	NW_004516147.1	Scaffold760	485	AA	GG	1940468433
SNP_P1_206898_644	NW_004516147.1	Scaffold760	644	AA	CC	1940468434
SNP_P1_206899_735	NW_004516147.1	Scaffold760	735	CC	TT	1940468435
SNP_P1_206900_1982	NW_004516147.1	Scaffold760	1982	TT	CC	1940468436
SNP_P1_206901_7207	NW_004516147.1	Scaffold760	7207	CC	TT	1940468437
SNP_P1_206902_8630	NW_004516147.1	Scaffold760	8630	GG	AA	1940468438
SNP_P1_206903_8683	NW_004516147.1	Scaffold760	8683	CC	GG	1940468439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206904_8846	NW_004516147.1	Scaffold760	8846	GG	AA	1940468440
SNP_P1_206905_8968	NW_004516147.1	Scaffold760	8968	GG	CC	1940468441
SNP_P1_206906_8992	NW_004516147.1	Scaffold760	8992	GG	AA	1940468442
SNP_P1_206907_11366	NW_004516147.1	Scaffold760	11366	TT	CC	1940468443
SNP_P1_206908_11642	NW_004516147.1	Scaffold760	11642	GG	TT	1940468444
SNP_P1_206909_12171	NW_004516147.1	Scaffold760	12171	CC	AA	1940468445
SNP_P1_206910_12185	NW_004516147.1	Scaffold760	12185	CC	AA	1940468446
SNP_P1_206911_12311	NW_004516147.1	Scaffold760	12311	AA	TT	1940468447
SNP_P1_206913_12408	NW_004516147.1	Scaffold760	12408	AA	TT	1940468448
SNP_P1_206914_12433	NW_004516147.1	Scaffold760	12433	CC	AA	1940468449
SNP_P1_206915_12520	NW_004516147.1	Scaffold760	12520	GG	AA	1940468450
SNP_P1_206916_12660	NW_004516147.1	Scaffold760	12660	AA	GG	1940468451
SNP_P1_206917_13033	NW_004516147.1	Scaffold760	13033	GG	AA	1940468452
SNP_P1_206918_13074	NW_004516147.1	Scaffold760	13074	AA	GG	1940468453
SNP_P1_206919_13091	NW_004516147.1	Scaffold760	13091	GG	AA	1940468454
SNP_P1_206920_13235	NW_004516147.1	Scaffold760	13235	CC	TT	1940468455
SNP_P1_206921_13342	NW_004516147.1	Scaffold760	13342	CC	TT	1940468456
SNP_P1_206922_13378	NW_004516147.1	Scaffold760	13378	GG	TT	1940468457
SNP_P1_206923_13402	NW_004516147.1	Scaffold760	13402	CC	GG	1940468458
SNP_P1_206924_13428	NW_004516147.1	Scaffold760	13428	GG	TT	1940468459
SNP_P1_206925_13435	NW_004516147.1	Scaffold760	13435	GG	TT	1940468460
SNP_P1_206926_13447	NW_004516147.1	Scaffold760	13447	CC	TT	1940468461
SNP_P1_206927_15193	NW_004516147.1	Scaffold760	15193	AA	TT	1940468462
SNP_P1_206928_15252	NW_004516147.1	Scaffold760	15252	AA	TT	1940468463
SNP_P1_206929_15415	NW_004516147.1	Scaffold760	15415	AA	TT	1940468464
SNP_P1_206930_15436	NW_004516147.1	Scaffold760	15436	AA	TT	1940468465
SNP_P1_206931_16047	NW_004516147.1	Scaffold760	16047	CC	TT	1940468466
SNP_P1_206932_16056	NW_004516147.1	Scaffold760	16056	GG	TT	1940468467
SNP_P1_206933_16076	NW_004516147.1	Scaffold760	16076	CC	GG	1940468468
SNP_P1_206934_16151	NW_004516147.1	Scaffold760	16151	CC	TT	1940468469
SNP_P1_206935_16193	NW_004516147.1	Scaffold760	16193	CC	TT	1940468470
SNP_P1_206936_16980	NW_004516147.1	Scaffold760	16980	AA	GG	1940468471
SNP_P1_206937_3199	NW_004516151.1	Scaffold766	3199	GG	AA	1940468472
SNP_P1_206938_4924	NW_004516151.1	Scaffold766	4924	TT	AA	1940468473
SNP_P1_206939_4925	NW_004516151.1	Scaffold766	4925	TT	CC	1940468474
SNP_P1_206940_4994	NW_004516151.1	Scaffold766	4994	TT	CC	1940468475
SNP_P1_206941_5010	NW_004516151.1	Scaffold766	5010	CC	AA	1940468476
SNP_P1_206942_5177	NW_004516151.1	Scaffold766	5177	TT	GG	1940468477
SNP_P1_206943_5387	NW_004516151.1	Scaffold766	5387	CC	TT	1940468478
SNP_P1_206944_5473	NW_004516151.1	Scaffold766	5473	AA	TT	1940468479
SNP_P1_206946_14975	NW_004516151.1	Scaffold766	14975	TT	CC	1940468480
SNP_P1_206948_19838	NW_004516151.1	Scaffold766	19838	CC	TT	1940468481

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_206949_19848	NW_004516151.1	Scaffold766	19848	TT	GG	1940468482
SNP_P1_206950_26894	NW_004516151.1	Scaffold766	26894	TT	CC	1940468484
SNP_P1_206951_27448	NW_004516151.1	Scaffold766	27448	TT	CC	1940468485
SNP_P1_206952_28901	NW_004516151.1	Scaffold766	28901	GG	TT	1940468486
SNP_P1_206953_30513	NW_004516151.1	Scaffold766	30513	AA	GG	1940468487
SNP_P1_206955_78375	NW_004516151.1	Scaffold766	78375	TT	CC	1940468488
SNP_P1_206956_78381	NW_004516151.1	Scaffold766	78381	AA	GG	1940468489
SNP_P1_206959_98799	NW_004516151.1	Scaffold766	98799	AA	GG	1940468490
SNP_P1_206960_130822	NW_004516151.1	Scaffold766	130822	CC	GG	1940468491
SNP_P1_206961_138230	NW_004516151.1	Scaffold766	138230	CC	TT	1940468492
SNP_P1_206962_138232	NW_004516151.1	Scaffold766	138232	GG	AA	1940468493
SNP_P1_206963_138482	NW_004516151.1	Scaffold766	138482	AA	TT	1940468494
SNP_P1_206964_143070	NW_004516151.1	Scaffold766	143070	CC	TT	1940468495
SNP_P1_206965_144781	NW_004516151.1	Scaffold766	144781	GG	AA	1940468496
SNP_P1_206966_160267	NW_004516151.1	Scaffold766	160267	TT	CC	1940468497
SNP_P1_206969_175259	NW_004516151.1	Scaffold766	175259	TT	CC	1940468498
SNP_P1_206973_184228	NW_004516151.1	Scaffold766	184228	TT	GG	1940468499
SNP_P1_206974_184230	NW_004516151.1	Scaffold766	184230	CC	TT	1940468500
SNP_P1_206975_188759	NW_004516151.1	Scaffold766	188759	TT	CC	1940468501
SNP_P1_206976_188772	NW_004516151.1	Scaffold766	188772	TT	AA	1940468502
SNP_P1_206977_188795	NW_004516151.1	Scaffold766	188795	GG	AA	1940468503
SNP_P1_206978_188800	NW_004516151.1	Scaffold766	188800	GG	AA	1940468504
SNP_P1_206979_189265	NW_004516151.1	Scaffold766	189265	AA	GG	1940468505
SNP_P1_206980_189463	NW_004516151.1	Scaffold766	189463	AA	CC	1940468506
SNP_P1_206981_189644	NW_004516151.1	Scaffold766	189644	TT	GG	1940468507
SNP_P1_206982_192474	NW_004516151.1	Scaffold766	192474	AA	CC	1940468508
SNP_P1_206983_195941	NW_004516151.1	Scaffold766	195941	TT	CC	1940468509
SNP_P1_206984_195991	NW_004516151.1	Scaffold766	195991	TT	CC	1940468510
SNP_P1_206986_213719	NW_004516151.1	Scaffold766	213719	CC	TT	1940468511
SNP_P1_206987_214790	NW_004516151.1	Scaffold766	214790	AA	CC	1940468512
SNP_P1_206988_214932	NW_004516151.1	Scaffold766	214932	GG	AA	1940468513
SNP_P1_206989_214939	NW_004516151.1	Scaffold766	214939	GG	CC	1940468514
SNP_P1_206990_214947	NW_004516151.1	Scaffold766	214947	GG	TT	1940468515
SNP_P1_206991_214957	NW_004516151.1	Scaffold766	214957	TT	CC	1940468516
SNP_P1_206993_230001	NW_004516151.1	Scaffold766	230001	AA	GG	1940468517
SNP_P1_206994_237891	NW_004516151.1	Scaffold766	237891	GG	AA	1940468518
SNP_P1_206995_243046	NW_004516151.1	Scaffold766	243046	TT	GG	1940468519
SNP_P1_206996_243055	NW_004516151.1	Scaffold766	243055	GG	AA	1940468520
SNP_P1_206997_243503	NW_004516151.1	Scaffold766	243503	AA	TT	1940468521
SNP_P1_206998_243915	NW_004516151.1	Scaffold766	243915	TT	GG	1940468522
SNP_P1_206999_243954	NW_004516151.1	Scaffold766	243954	GG	AA	1940468523
SNP_P1_207000_253647	NW_004516151.1	Scaffold766	253647	CC	AA	1940468524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_207002_262488	NW_004516151.1	Scaffold766	262488	CC	AA	1940468526
SNP_P1_207003_264754	NW_004516151.1	Scaffold766	264754	GG	AA	1940468527
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SNP_P1_207005_268920	NW_004516151.1	Scaffold766	268920	AA	GG	1940468529
SNP_P1_207006_269203	NW_004516151.1	Scaffold766	269203	GG	AA	1940468530
SNP_P1_207007_269243	NW_004516151.1	Scaffold766	269243	CC	TT	1940468531
SNP_P1_207008_272941	NW_004516151.1	Scaffold766	272941	CC	TT	1940468532
SNP_P1_207009_273061	NW_004516151.1	Scaffold766	273061	TT	CC	1940468533
SNP_P1_207010_273169	NW_004516151.1	Scaffold766	273169	CC	TT	1940468534
SNP_P1_207011_273232	NW_004516151.1	Scaffold766	273232	GG	AA	1940468535
SNP_P1_207012_273354	NW_004516151.1	Scaffold766	273354	AA	TT	1940468536
SNP_P1_207014_276146	NW_004516151.1	Scaffold766	276146	AA	GG	1940468537
SNP_P1_207015_25	NW_004516153.1	Scaffold768	25	AA	TT	1940468538
SNP_P1_207016_36	NW_004516153.1	Scaffold768	36	CC	AA	1940468539
SNP_P1_207017_57	NW_004516153.1	Scaffold768	57	GG	TT	1940468540
SNP_P1_207018_64	NW_004516153.1	Scaffold768	64	TT	AA	1940468541
SNP_P1_207019_76	NW_004516153.1	Scaffold768	76	GG	AA	1940468542
SNP_P1_207020_208	NW_004516153.1	Scaffold768	208	TT	AA	1940468543
SNP_P1_207021_251	NW_004516153.1	Scaffold768	251	AA	GG	1940468544
SNP_P1_207022_256	NW_004516153.1	Scaffold768	256	AA	TT	1940468545
SNP_P1_207023_341	NW_004516153.1	Scaffold768	341	CC	GG	1940468546
SNP_P1_207024_367	NW_004516153.1	Scaffold768	367	TT	AA	1940468547
SNP_P1_207025_375	NW_004516153.1	Scaffold768	375	GG	AA	1940468548
SNP_P1_207026_425	NW_004516153.1	Scaffold768	425	GG	AA	1940468549
SNP_P1_207027_478	NW_004516153.1	Scaffold768	478	TT	CC	1940468550
SNP_P1_207028_525	NW_004516153.1	Scaffold768	525	CC	GG	1940468551
SNP_P1_207030_618	NW_004516153.1	Scaffold768	618	CC	AA	1940468552
SNP_P1_207031_749	NW_004516153.1	Scaffold768	749	GG	AA	1940468553
SNP_P1_207032_765	NW_004516153.1	Scaffold768	765	GG	AA	1940468554
SNP_P1_207033_844	NW_004516153.1	Scaffold768	844	GG	AA	1940468555
SNP_P1_207034_894	NW_004516153.1	Scaffold768	894	AA	GG	1940468556
SNP_P1_207035_950	NW_004516153.1	Scaffold768	950	AA	GG	1940468557
SNP_P1_207036_979	NW_004516153.1	Scaffold768	979	TT	AA	1940468558
SNP_P1_207037_1007	NW_004516153.1	Scaffold768	1007	TT	AA	1940468559
SNP_P1_207038_1018	NW_004516153.1	Scaffold768	1018	AA	TT	1940468560
SNP_P1_207041_1162	NW_004516153.1	Scaffold768	1162	CC	GG	1940468561
SNP_P1_207042_64	NW_004516154.1	Scaffold769	64	GG	TT	1940468562
SNP_P1_207043_81	NW_004516154.1	Scaffold769	81	AA	TT	1940468563
SNP_P1_207045_177	NW_004516154.1	Scaffold769	177	GG	TT	1940468564
SNP_P1_207046_209	NW_004516154.1	Scaffold769	209	AA	GG	1940468565
SNP_P1_207047_359	NW_004516154.1	Scaffold769	359	AA	TT	1940468566

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207048_429	NW_004516154.1	Scaffold769	429	TT	AA	1940468567
SNP_P1_207049_542	NW_004516154.1	Scaffold769	542	TT	GG	1940468568
SNP_P1_207050_930	NW_004516154.1	Scaffold769	930	TT	GG	1940468569
SNP_P1_207052_1476	NW_004516154.1	Scaffold769	1476	GG	AA	1940468570
SNP_P1_207053_1618	NW_004516154.1	Scaffold769	1618	TT	AA	1940468571
SNP_P1_207054_1681	NW_004516154.1	Scaffold769	1681	AA	TT	1940468572
SNP_P1_207055_1808	NW_004516154.1	Scaffold769	1808	TT	GG	1940468573
SNP_P1_207056_1878	NW_004516154.1	Scaffold769	1878	GG	AA	1940468574
SNP_P1_207058_2824	NW_004516154.1	Scaffold769	2824	CC	GG	1940468575
SNP_P1_207059_2918	NW_004516154.1	Scaffold769	2918	AA	GG	1940468576
SNP_P1_207060_2921	NW_004516154.1	Scaffold769	2921	GG	CC	1940468577
SNP_P1_207061_3050	NW_004516154.1	Scaffold769	3050	GG	TT	1940468578
SNP_P1_207062_3147	NW_004516154.1	Scaffold769	3147	GG	AA	1940468579
SNP_P1_207065_3523	NW_004516154.1	Scaffold769	3523	CC	AA	1940468580
SNP_P1_207066_3553	NW_004516154.1	Scaffold769	3553	CC	TT	1940468581
SNP_P1_207067_5288	NW_004516154.1	Scaffold769	5288	AA	GG	1940468582
SNP_P1_207071_7726	NW_004516154.1	Scaffold769	7726	GG	AA	1940468583
SNP_P1_207072_7962	NW_004516154.1	Scaffold769	7962	AA	TT	1940468584
SNP_P1_207073_7970	NW_004516154.1	Scaffold769	7970	AA	GG	1940468585
SNP_P1_207075_27304	NW_004516154.1	Scaffold769	27304	AA	GG	1940468586
SNP_P1_207076_27352	NW_004516154.1	Scaffold769	27352	CC	TT	1940468587
SNP_P1_207077_27360	NW_004516154.1	Scaffold769	27360	GG	TT	1940468588
SNP_P1_207078_27366	NW_004516154.1	Scaffold769	27366	GG	AA	1940468589
SNP_P1_207080_28914	NW_004516154.1	Scaffold769	28914	AA	GG	1940468590
SNP_P1_207081_28958	NW_004516154.1	Scaffold769	28958	CC	TT	1940468591
SNP_P1_207082_29244	NW_004516154.1	Scaffold769	29244	AA	CC	1940468592
SNP_P1_207084_29473	NW_004516154.1	Scaffold769	29473	AA	GG	1940468593
SNP_P1_207085_29699	NW_004516154.1	Scaffold769	29699	CC	TT	1940468594
SNP_P1_207086_29828	NW_004516154.1	Scaffold769	29828	AA	GG	1940468595
SNP_P1_207087_29951	NW_004516154.1	Scaffold769	29951	AA	GG	1940468596
SNP_P1_207088_32232	NW_004516154.1	Scaffold769	32232	TT	CC	1940468597
SNP_P1_207090_46392	NW_004516154.1	Scaffold769	46392	CC	TT	1940468598
SNP_P1_207091_50424	NW_004516154.1	Scaffold769	50424	GG	TT	1940468599
SNP_P1_207092_66960	NW_004516154.1	Scaffold769	66960	CC	AA	1940468600
SNP_P1_207093_82464	NW_004516154.1	Scaffold769	82464	CC	TT	1940468601
SNP_P1_207094_82484	NW_004516154.1	Scaffold769	82484	AA	GG	1940468602
SNP_P1_207095_82803	NW_004516154.1	Scaffold769	82803	AA	CC	1940468603
SNP_P1_207096_105527	NW_004516154.1	Scaffold769	105527	CC	AA	1940468604
SNP_P1_207097_108568	NW_004516154.1	Scaffold769	108568	GG	TT	1940468605
SNP_P1_207098_109079	NW_004516154.1	Scaffold769	109079	GG	TT	1940468606
SNP_P1_207099_109716	NW_004516154.1	Scaffold769	109716	AA	GG	1940468607
SNP_P1_207100_109743	NW_004516154.1	Scaffold769	109743	TT	GG	1940468608

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207101_109890	NW_004516154.1	Scaffold769	109890	TT	GG	1940468609
SNP_P1_207102_116612	NW_004516154.1	Scaffold769	116612	GG	AA	1940468610
SNP_P1_207103_116641	NW_004516154.1	Scaffold769	116641	AA	CC	1940468611
SNP_P1_207104_116677	NW_004516154.1	Scaffold769	116677	AA	TT	1940468612
SNP_P1_207105_116715	NW_004516154.1	Scaffold769	116715	TT	AA	1940468613
SNP_P1_207106_116778	NW_004516154.1	Scaffold769	116778	GG	AA	1940468614
SNP_P1_207107_117048	NW_004516154.1	Scaffold769	117048	TT	CC	1940468615
SNP_P1_207108_117141	NW_004516154.1	Scaffold769	117141	TT	CC	1940468616
SNP_P1_207109_117159	NW_004516154.1	Scaffold769	117159	TT	AA	1940468617
SNP_P1_207110_117165	NW_004516154.1	Scaffold769	117165	GG	AA	1940468618
SNP_P1_207111_117221	NW_004516154.1	Scaffold769	117221	AA	GG	1940468619
SNP_P1_207112_119325	NW_004516154.1	Scaffold769	119325	CC	TT	1940468620
SNP_P1_207113_314	NW_004516155.1	Scaffold771	314	AA	GG	1940468621
SNP_P1_207114_405	NW_004516155.1	Scaffold771	405	TT	CC	1940468622
SNP_P1_207115_551	NW_004516155.1	Scaffold771	551	CC	TT	1940468623
SNP_P1_207116_816	NW_004516155.1	Scaffold771	816	TT	CC	1940468624
SNP_P1_207117_826	NW_004516155.1	Scaffold771	826	TT	AA	1940468625
SNP_P1_207118_3687	NW_004516155.1	Scaffold771	3687	TT	AA	1940468626
SNP_P1_207119_14102	NW_004516155.1	Scaffold771	14102	GG	AA	1940468627
SNP_P1_207121_16231	NW_004516155.1	Scaffold771	16231	AA	GG	1940468628
SNP_P1_207122_16263	NW_004516155.1	Scaffold771	16263	CC	AA	1940468629
SNP_P1_207123_16268	NW_004516155.1	Scaffold771	16268	GG	TT	1940468630
SNP_P1_207125_25325	NW_004516155.1	Scaffold771	25325	CC	TT	1940468631
SNP_P1_207126_35195	NW_004516155.1	Scaffold771	35195	AA	GG	1940468632
SNP_P1_207127_36412	NW_004516155.1	Scaffold771	36412	TT	CC	1940468633
SNP_P1_207128_50570	NW_004516155.1	Scaffold771	50570	TT	CC	1940468634
SNP_P1_207129_54766	NW_004516155.1	Scaffold771	54766	AA	GG	1940468635
SNP_P1_207130_58302	NW_004516155.1	Scaffold771	58302	GG	AA	1940468636
SNP_P1_207131_58320	NW_004516155.1	Scaffold771	58320	TT	CC	1940468637
SNP_P1_207132_58335	NW_004516155.1	Scaffold771	58335	GG	AA	1940468638
SNP_P1_207133_58336	NW_004516155.1	Scaffold771	58336	GG	CC	1940468640
SNP_P1_207134_58344	NW_004516155.1	Scaffold771	58344	AA	TT	1940468641
SNP_P1_207135_58355	NW_004516155.1	Scaffold771	58355	CC	AA	1940468642
SNP_P1_207136_58404	NW_004516155.1	Scaffold771	58404	CC	TT	1940468643
SNP_P1_207137_66411	NW_004516155.1	Scaffold771	66411	TT	CC	1940468644
SNP_P1_207138_69254	NW_004516155.1	Scaffold771	69254	AA	GG	1940468645
SNP_P1_207139_71253	NW_004516155.1	Scaffold771	71253	CC	TT	1940468646
SNP_P1_207140_86248	NW_004516155.1	Scaffold771	86248	TT	CC	1940468647
SNP_P1_207141_7562	NW_004516156.1	Scaffold772	7562	CC	TT	1940468648
SNP_P1_207142_7582	NW_004516156.1	Scaffold772	7582	CC	TT	1940468649
SNP_P1_207143_7821	NW_004516156.1	Scaffold772	7821	AA	TT	1940468650
SNP_P1_207144_8420	NW_004516156.1	Scaffold772	8420	CC	TT	1940468651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_207146_9106	NW_004516156.1	Scaffold772	9106	GG	AA	1940468653
SNP_P1_207147_9191	NW_004516156.1	Scaffold772	9191	AA	TT	1940468654
SNP_P1_207148_11443	NW_004516156.1	Scaffold772	11443	CC	AA	1940468655
SNP_P1_207150_12163	NW_004516156.1	Scaffold772	12163	GG	TT	1940468656
SNP_P1_207151_13363	NW_004516156.1	Scaffold772	13363	AA	GG	1940468657
SNP_P1_207152_16803	NW_004516156.1	Scaffold772	16803	CC	TT	1940468658
SNP_P1_207153_16971	NW_004516156.1	Scaffold772	16971	CC	TT	1940468659
SNP_P1_207154_16987	NW_004516156.1	Scaffold772	16987	TT	CC	1940468660
SNP_P1_207155_17138	NW_004516156.1	Scaffold772	17138	TT	CC	1940468661
SNP_P1_207156_17416	NW_004516156.1	Scaffold772	17416	TT	CC	1940468662
SNP_P1_207157_17418	NW_004516156.1	Scaffold772	17418	GG	AA	1940468663
SNP_P1_207158_18060	NW_004516156.1	Scaffold772	18060	TT	CC	1940468664
SNP_P1_207159_18178	NW_004516156.1	Scaffold772	18178	TT	CC	1940468665
SNP_P1_207160_18186	NW_004516156.1	Scaffold772	18186	TT	CC	1940468666
SNP_P1_207161_18197	NW_004516156.1	Scaffold772	18197	AA	GG	1940468667
SNP_P1_207162_18204	NW_004516156.1	Scaffold772	18204	CC	TT	1940468668
SNP_P1_207163_18345	NW_004516156.1	Scaffold772	18345	AA	GG	1940468669
SNP_P1_207164_18467	NW_004516156.1	Scaffold772	18467	AA	GG	1940468670
SNP_P1_207165_18481	NW_004516156.1	Scaffold772	18481	GG	AA	1940468671
SNP_P1_207166_18642	NW_004516156.1	Scaffold772	18642	AA	CC	1940468672
SNP_P1_207167_18734	NW_004516156.1	Scaffold772	18734	CC	TT	1940468673
SNP_P1_207168_21199	NW_004516156.1	Scaffold772	21199	AA	GG	1940468674
SNP_P1_207169_21201	NW_004516156.1	Scaffold772	21201	TT	AA	1940468675
SNP_P1_207170_21264	NW_004516156.1	Scaffold772	21264	GG	AA	1940468676
SNP_P1_207171_21396	NW_004516156.1	Scaffold772	21396	AA	GG	1940468677
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SNP_P1_207175_43634	NW_004516156.1	Scaffold772	43634	AA	GG	1940468681
SNP_P1_207177_76402	NW_004516156.1	Scaffold772	76402	GG	AA	1940468682
SNP_P1_207178_78706	NW_004516156.1	Scaffold772	78706	CC	TT	1940468683
SNP_P1_207179_78890	NW_004516156.1	Scaffold772	78890	AA	GG	1940468684
SNP_P1_207180_80858	NW_004516156.1	Scaffold772	80858	TT	AA	1940468685
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SNP_P1_207182_93015	NW_004516156.1	Scaffold772	93015	CC	TT	1940468687
SNP_P1_207183_102634	NW_004516156.1	Scaffold772	102634	CC	TT	1940468688
SNP_P1_207184_103362	NW_004516156.1	Scaffold772	103362	GG	AA	1940468689
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SNP_P1_207188_105292	NW_004516156.1	Scaffold772	105292	GG	CC	1940468692
SNP_P1_207189_107214	NW_004516156.1	Scaffold772	107214	GG	AA	1940468693

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207190_107778	NW_004516156.1	Scaffold772	107778	AA	GG	1940468694
SNP_P1_207191_109797	NW_004516156.1	Scaffold772	109797	TT	CC	1940468695
SNP_P1_207192_110302	NW_004516156.1	Scaffold772	110302	AA	GG	1940468696
SNP_P1_207193_110573	NW_004516156.1	Scaffold772	110573	AA	GG	1940468697
SNP_P1_207194_110584	NW_004516156.1	Scaffold772	110584	GG	CC	1940468698
SNP_P1_207195_110599	NW_004516156.1	Scaffold772	110599	GG	AA	1940468699
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SNP_P1_207197_112798	NW_004516156.1	Scaffold772	112798	TT	GG	1940468701
SNP_P1_207198_132466	NW_004516156.1	Scaffold772	132466	AA	GG	1940468702
SNP_P1_207199_137315	NW_004516156.1	Scaffold772	137315	TT	AA	1940468703
SNP_P1_207200_139302	NW_004516156.1	Scaffold772	139302	TT	AA	1940468704
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SNP_P1_207202_139398	NW_004516156.1	Scaffold772	139398	GG	AA	1940468706
SNP_P1_207203_139480	NW_004516156.1	Scaffold772	139480	TT	CC	1940468707
SNP_P1_207204_139802	NW_004516156.1	Scaffold772	139802	TT	CC	1940468708
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SNP_P1_207207_140792	NW_004516156.1	Scaffold772	140792	CC	GG	1940468711
SNP_P1_207208_143015	NW_004516156.1	Scaffold772	143015	GG	AA	1940468712
SNP_P1_207209_143067	NW_004516156.1	Scaffold772	143067	TT	CC	1940468713
SNP_P1_207210_143078	NW_004516156.1	Scaffold772	143078	AA	CC	1940468714
SNP_P1_207211_143397	NW_004516156.1	Scaffold772	143397	TT	AA	1940468715
SNP_P1_207212_143572	NW_004516156.1	Scaffold772	143572	CC	TT	1940468716
SNP_P1_207213_144711	NW_004516156.1	Scaffold772	144711	TT	CC	1940468717
SNP_P1_207214_144728	NW_004516156.1	Scaffold772	144728	TT	CC	1940468718
SNP_P1_207215_144758	NW_004516156.1	Scaffold772	144758	AA	CC	1940468719
SNP_P1_207216_149118	NW_004516156.1	Scaffold772	149118	TT	AA	1940468720
SNP_P1_207217_150138	NW_004516156.1	Scaffold772	150138	CC	TT	1940468721
SNP_P1_207220_164711	NW_004516156.1	Scaffold772	164711	AA	TT	1940468722
SNP_P1_207221_164712	NW_004516156.1	Scaffold772	164712	TT	AA	1940468723
SNP_P1_207222_164714	NW_004516156.1	Scaffold772	164714	GG	TT	1940468724
SNP_P1_207223_164721	NW_004516156.1	Scaffold772	164721	CC	TT	1940468725
SNP_P1_207224_196447	NW_004516156.1	Scaffold772	196447	AA	CC	1940468726
SNP_P1_207225_196621	NW_004516156.1	Scaffold772	196621	TT	CC	1940468727
SNP_P1_207226_197062	NW_004516156.1	Scaffold772	197062	TT	CC	1940468728
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SNP_P1_207229_205759	NW_004516156.1	Scaffold772	205759	CC	TT	1940468730
SNP_P1_207230_205779	NW_004516156.1	Scaffold772	205779	CC	TT	1940468731
SNP_P1_207231_205833	NW_004516156.1	Scaffold772	205833	TT	GG	1940468732
SNP_P1_207232_205846	NW_004516156.1	Scaffold772	205846	TT	CC	1940468733
SNP_P1_207233_209659	NW_004516156.1	Scaffold772	209659	AA	GG	1940468734
SNP_P1_207234_209875	NW_004516156.1	Scaffold772	209875	AA	GG	1940468735

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_207236_211480	NW_004516156.1	Scaffold772	211480	AA	CC	1940468737
SNP_P1_207237_211497	NW_004516156.1	Scaffold772	211497	AA	GG	1940468738
SNP_P1_207238_212517	NW_004516156.1	Scaffold772	212517	AA	CC	1940468739
SNP_P1_207239_212531	NW_004516156.1	Scaffold772	212531	AA	GG	1940468740
SNP_P1_207240_212960	NW_004516156.1	Scaffold772	212960	AA	CC	1940468741
SNP_P1_207241_213032	NW_004516156.1	Scaffold772	213032	TT	AA	1940468742
SNP_P1_207242_213540	NW_004516156.1	Scaffold772	213540	AA	GG	1940468743
SNP_P1_207243_213547	NW_004516156.1	Scaffold772	213547	TT	CC	1940468744
SNP_P1_207244_213588	NW_004516156.1	Scaffold772	213588	AA	GG	1940468745
SNP_P1_207245_213601	NW_004516156.1	Scaffold772	213601	TT	CC	1940468746
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SNP_P1_207248_213670	NW_004516156.1	Scaffold772	213670	GG	AA	1940468748
SNP_P1_207249_213730	NW_004516156.1	Scaffold772	213730	GG	AA	1940468749
SNP_P1_207250_213740	NW_004516156.1	Scaffold772	213740	AA	TT	1940468750
SNP_P1_207251_213744	NW_004516156.1	Scaffold772	213744	AA	CC	1940468751
SNP_P1_207252_213851	NW_004516156.1	Scaffold772	213851	GG	TT	1940468752
SNP_P1_207253_213948	NW_004516156.1	Scaffold772	213948	GG	TT	1940468753
SNP_P1_207254_238078	NW_004516156.1	Scaffold772	238078	TT	AA	1940468754
SNP_P1_207255_238104	NW_004516156.1	Scaffold772	238104	AA	TT	1940468755
SNP_P1_207256_238786	NW_004516156.1	Scaffold772	238786	CC	AA	1940468756
SNP_P1_207257_239467	NW_004516156.1	Scaffold772	239467	TT	AA	1940468757
SNP_P1_207260_4837	NW_004516157.1	Scaffold774	4837	AA	CC	1940468758
SNP_P1_207261_16616	NW_004516157.1	Scaffold774	16616	AA	GG	1940468759
SNP_P1_207262_17049	NW_004516157.1	Scaffold774	17049	GG	TT	1940468760
SNP_P1_207263_17260	NW_004516157.1	Scaffold774	17260	AA	GG	1940468761
SNP_P1_207264_17272	NW_004516157.1	Scaffold774	17272	TT	AA	1940468762
SNP_P1_207265_17284	NW_004516157.1	Scaffold774	17284	GG	AA	1940468763
SNP_P1_207266_17325	NW_004516157.1	Scaffold774	17325	TT	AA	1940468764
SNP_P1_207267_17790	NW_004516157.1	Scaffold774	17790	AA	TT	1940468765
SNP_P1_207268_17968	NW_004516157.1	Scaffold774	17968	TT	CC	1940468766
SNP_P1_207269_22336	NW_004516157.1	Scaffold774	22336	TT	GG	1940468767
SNP_P1_207270_22426	NW_004516157.1	Scaffold774	22426	AA	GG	1940468768
SNP_P1_207271_22448	NW_004516157.1	Scaffold774	22448	AA	CC	1940468769
SNP_P1_207272_22786	NW_004516157.1	Scaffold774	22786	AA	TT	1940468770
SNP_P1_207273_800	NW_004516158.1	Scaffold775	800	CC	TT	1940468771
SNP_P1_207274_818	NW_004516158.1	Scaffold775	818	CC	TT	1940468772
SNP_P1_207275_829	NW_004516158.1	Scaffold775	829	AA	GG	1940468773
SNP_P1_207276_1168	NW_004516158.1	Scaffold775	1168	TT	CC	1940468774
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SNP_P1_207278_1484	NW_004516158.1	Scaffold775	1484	TT	CC	1940468776
SNP_P1_207279_12944	NW_004516158.1	Scaffold775	12944	AA	CC	1940468777

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207280_12958	NW_004516158.1	Scaffold775	12958	TT	CC	1940468778
SNP_P1_207281_12987	NW_004516158.1	Scaffold775	12987	CC	GG	1940468779
SNP_P1_207282_13209	NW_004516158.1	Scaffold775	13209	CC	TT	1940468780
SNP_P1_207284_15420	NW_004516158.1	Scaffold775	15420	CC	TT	1940468781
SNP_P1_207285_15870	NW_004516158.1	Scaffold775	15870	AA	GG	1940468782
SNP_P1_207286_16276	NW_004516158.1	Scaffold775	16276	CC	AA	1940468783
SNP_P1_207287_16278	NW_004516158.1	Scaffold775	16278	AA	GG	1940468784
SNP_P1_207288_16286	NW_004516158.1	Scaffold775	16286	AA	GG	1940468785
SNP_P1_207289_16289	NW_004516158.1	Scaffold775	16289	GG	AA	1940468786
SNP_P1_207290_16769	NW_004516158.1	Scaffold775	16769	GG	TT	1940468787
SNP_P1_207291_16785	NW_004516158.1	Scaffold775	16785	CC	TT	1940468788
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SNP_P1_207293_16791	NW_004516158.1	Scaffold775	16791	GG	AA	1940468790
SNP_P1_207294_16796	NW_004516158.1	Scaffold775	16796	AA	GG	1940468791
SNP_P1_207295_19876	NW_004516158.1	Scaffold775	19876	TT	AA	1940468792
SNP_P1_207296_45852	NW_004516158.1	Scaffold775	45852	CC	GG	1940468793
SNP_P1_207297_57101	NW_004516158.1	Scaffold775	57101	GG	CC	1940468794
SNP_P1_207298_61998	NW_004516158.1	Scaffold775	61998	AA	GG	1940468795
SNP_P1_207299_71797	NW_004516158.1	Scaffold775	71797	AA	GG	1940468796
SNP_P1_207300_71868	NW_004516158.1	Scaffold775	71868	GG	AA	1940468797
SNP_P1_207301_71871	NW_004516158.1	Scaffold775	71871	AA	GG	1940468798
SNP_P1_207302_71872	NW_004516158.1	Scaffold775	71872	TT	CC	1940468799
SNP_P1_207303_80267	NW_004516158.1	Scaffold775	80267	GG	AA	1940468800
SNP_P1_207304_100838	NW_004516158.1	Scaffold775	100838	TT	CC	1940468801
SNP_P1_207305_101450	NW_004516158.1	Scaffold775	101450	CC	TT	1940468802
SNP_P1_207306_109878	NW_004516158.1	Scaffold775	109878	TT	GG	1940468803
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SNP_P1_207309_124828	NW_004516158.1	Scaffold775	124828	CC	TT	1940468805
SNP_P1_207310_124839	NW_004516158.1	Scaffold775	124839	TT	CC	1940468807
SNP_P1_207311_124841	NW_004516158.1	Scaffold775	124841	TT	GG	1940468808
SNP_P1_207312_128436	NW_004516158.1	Scaffold775	128436	CC	TT	1940468809
SNP_P1_207313_137276	NW_004516158.1	Scaffold775	137276	GG	AA	1940468810
SNP_P1_207314_165589	NW_004516158.1	Scaffold775	165589	GG	TT	1940468811
SNP_P1_207315_167146	NW_004516158.1	Scaffold775	167146	CC	TT	1940468812
SNP_P1_207316_196082	NW_004516158.1	Scaffold775	196082	TT	CC	1940468813
SNP_P1_207317_215226	NW_004516158.1	Scaffold775	215226	TT	AA	1940468814
SNP_P1_207318_223424	NW_004516158.1	Scaffold775	223424	TT	CC	1940468815
SNP_P1_207319_223453	NW_004516158.1	Scaffold775	223453	AA	GG	1940468816
SNP_P1_207320_223459	NW_004516158.1	Scaffold775	223459	GG	AA	1940468817
SNP_P1_207321_223469	NW_004516158.1	Scaffold775	223469	TT	CC	1940468818
SNP_P1_207322_223495	NW_004516158.1	Scaffold775	223495	GG	AA	1940468819
SNP_P1_207323_223552	NW_004516158.1	Scaffold775	223552	TT	GG	1940468820

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_207325_225820	NW_004516158.1	Scaffold775	225820	AA	GG	1940468822
SNP_P1_207326_226149	NW_004516158.1	Scaffold775	226149	AA	CC	1940468823
SNP_P1_207327_226251	NW_004516158.1	Scaffold775	226251	TT	AA	1940468824
SNP_P1_207328_233033	NW_004516158.1	Scaffold775	233033	CC	TT	1940468825
SNP_P1_207329_233752	NW_004516158.1	Scaffold775	233752	CC	AA	1940468826
SNP_P1_207330_236258	NW_004516158.1	Scaffold775	236258	TT	CC	1940468827
SNP_P1_207332_237241	NW_004516158.1	Scaffold775	237241	TT	GG	1940468828
SNP_P1_207333_237252	NW_004516158.1	Scaffold775	237252	AA	CC	1940468829
SNP_P1_207334_237259	NW_004516158.1	Scaffold775	237259	GG	AA	1940468830
SNP_P1_207335_237260	NW_004516158.1	Scaffold775	237260	AA	CC	1940468831
SNP_P1_207336_237281	NW_004516158.1	Scaffold775	237281	AA	GG	1940468832
SNP_P1_207337_237299	NW_004516158.1	Scaffold775	237299	TT	CC	1940468833
SNP_P1_207338_237442	NW_004516158.1	Scaffold775	237442	GG	AA	1940468834
SNP_P1_207339_237493	NW_004516158.1	Scaffold775	237493	GG	TT	1940468835
SNP_P1_207340_241754	NW_004516158.1	Scaffold775	241754	TT	CC	1940468836
SNP_P1_207341_248257	NW_004516158.1	Scaffold775	248257	GG	AA	1940468837
SNP_P1_207342_251041	NW_004516158.1	Scaffold775	251041	TT	CC	1940468838
SNP_P1_207343_256608	NW_004516158.1	Scaffold775	256608	AA	CC	1940468839
SNP_P1_207344_267125	NW_004516158.1	Scaffold775	267125	CC	AA	1940468840
SNP_P1_207345_267128	NW_004516158.1	Scaffold775	267128	TT	CC	1940468841
SNP_P1_207346_267130	NW_004516158.1	Scaffold775	267130	AA	TT	1940468842
SNP_P1_207347_267227	NW_004516158.1	Scaffold775	267227	CC	TT	1940468843
SNP_P1_207348_267279	NW_004516158.1	Scaffold775	267279	AA	GG	1940468844
SNP_P1_207349_267413	NW_004516158.1	Scaffold775	267413	CC	TT	1940468845
SNP_P1_207350_267415	NW_004516158.1	Scaffold775	267415	CC	AA	1940468846
SNP_P1_207351_267455	NW_004516158.1	Scaffold775	267455	GG	TT	1940468847
SNP_P1_207352_267485	NW_004516158.1	Scaffold775	267485	TT	CC	1940468848
SNP_P1_207353_267509	NW_004516158.1	Scaffold775	267509	TT	CC	1940468849
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SNP_P1_207355_267629	NW_004516158.1	Scaffold775	267629	AA	TT	1940468851
SNP_P1_207356_267636	NW_004516158.1	Scaffold775	267636	AA	GG	1940468852
SNP_P1_207357_267839	NW_004516158.1	Scaffold775	267839	TT	CC	1940468853
SNP_P1_207358_267861	NW_004516158.1	Scaffold775	267861	AA	CC	1940468854
SNP_P1_207359_288570	NW_004516158.1	Scaffold775	288570	AA	GG	1940468855
SNP_P1_207360_303477	NW_004516158.1	Scaffold775	303477	TT	CC	1940468856
SNP_P1_207361_303502	NW_004516158.1	Scaffold775	303502	GG	AA	1940468857
SNP_P1_207362_303548	NW_004516158.1	Scaffold775	303548	CC	AA	1940468858
SNP_P1_207363_303923	NW_004516158.1	Scaffold775	303923	TT	CC	1940468859
SNP_P1_207365_308854	NW_004516158.1	Scaffold775	308854	GG	TT	1940468860
SNP_P1_207366_334214	NW_004516158.1	Scaffold775	334214	TT	CC	1940468861
SNP_P1_207367_335356	NW_004516158.1	Scaffold775	335356	TT	AA	1940468862

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_207370_335636	NW_004516158.1	Scaffold775	335636	GG	TT	1940468864
SNP_P1_207371_358819	NW_004516158.1	Scaffold775	358819	CC	GG	1940468865
SNP_P1_207372_360190	NW_004516158.1	Scaffold775	360190	GG	AA	1940468866
SNP_P1_207373_366657	NW_004516158.1	Scaffold775	366657	CC	TT	1940468867
SNP_P1_207374_381393	NW_004516158.1	Scaffold775	381393	TT	CC	1940468868
SNP_P1_207375_381599	NW_004516158.1	Scaffold775	381599	AA	TT	1940468869
SNP_P1_207376_381649	NW_004516158.1	Scaffold775	381649	GG	CC	1940468870
SNP_P1_207377_381652	NW_004516158.1	Scaffold775	381652	AA	CC	1940468871
SNP_P1_207378_381743	NW_004516158.1	Scaffold775	381743	AA	TT	1940468872
SNP_P1_207379_383443	NW_004516158.1	Scaffold775	383443	AA	GG	1940468873
SNP_P1_207380_383573	NW_004516158.1	Scaffold775	383573	AA	GG	1940468874
SNP_P1_207381_383624	NW_004516158.1	Scaffold775	383624	AA	GG	1940468875
SNP_P1_207382_383628	NW_004516158.1	Scaffold775	383628	GG	AA	1940468876
SNP_P1_207383_383653	NW_004516158.1	Scaffold775	383653	CC	TT	1940468877
SNP_P1_207384_383664	NW_004516158.1	Scaffold775	383664	TT	CC	1940468878
SNP_P1_207385_383680	NW_004516158.1	Scaffold775	383680	TT	CC	1940468879
SNP_P1_207387_419805	NW_004516158.1	Scaffold775	419805	GG	AA	1940468880
SNP_P1_207388_424938	NW_004516158.1	Scaffold775	424938	TT	GG	1940468881
SNP_P1_207389_430665	NW_004516158.1	Scaffold775	430665	TT	AA	1940468882
SNP_P1_207390_430708	NW_004516158.1	Scaffold775	430708	GG	AA	1940468883
SNP_P1_207391_430729	NW_004516158.1	Scaffold775	430729	TT	GG	1940468884
SNP_P1_207392_431090	NW_004516158.1	Scaffold775	431090	GG	AA	1940468885
SNP_P1_207393_431096	NW_004516158.1	Scaffold775	431096	CC	TT	1940468886
SNP_P1_207394_431101	NW_004516158.1	Scaffold775	431101	AA	TT	1940468887
SNP_P1_207396_441004	NW_004516158.1	Scaffold775	441004	AA	GG	1940468888
SNP_P1_207397_441349	NW_004516158.1	Scaffold775	441349	GG	AA	1940468889
SNP_P1_207398_443100	NW_004516158.1	Scaffold775	443100	TT	CC	1940468890
SNP_P1_207400_446940	NW_004516158.1	Scaffold775	446940	TT	AA	1940468891
SNP_P1_207401_447641	NW_004516158.1	Scaffold775	447641	TT	CC	1940468892
SNP_P1_207402_448317	NW_004516158.1	Scaffold775	448317	GG	AA	1940468893
SNP_P1_207403_448361	NW_004516158.1	Scaffold775	448361	TT	CC	1940468894
SNP_P1_207404_449388	NW_004516158.1	Scaffold775	449388	CC	TT	1940468895
SNP_P1_207406_449872	NW_004516158.1	Scaffold775	449872	CC	TT	1940468896
SNP_P1_207407_450019	NW_004516158.1	Scaffold775	450019	AA	CC	1940468897
SNP_P1_207408_450142	NW_004516158.1	Scaffold775	450142	GG	AA	1940468898
SNP_P1_207409_450372	NW_004516158.1	Scaffold775	450372	TT	CC	1940468899
SNP_P1_207411_450548	NW_004516158.1	Scaffold775	450548	TT	CC	1940468900
SNP_P1_207412_451229	NW_004516158.1	Scaffold775	451229	TT	CC	1940468901
SNP_P1_207413_473405	NW_004516158.1	Scaffold775	473405	TT	CC	1940468902
SNP_P1_207414_473415	NW_004516158.1	Scaffold775	473415	TT	GG	1940468903
SNP_P1_207415_473507	NW_004516158.1	Scaffold775	473507	TT	CC	1940468904

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_207417_473727	NW_004516158.1	Scaffold775	473727	GG	AA	1940468906
SNP_P1_207418_473810	NW_004516158.1	Scaffold775	473810	TT	CC	1940468907
SNP_P1_207419_473908	NW_004516158.1	Scaffold775	473908	AA	TT	1940468908
SNP_P1_207420_473930	NW_004516158.1	Scaffold775	473930	TT	GG	1940468909
SNP_P1_207421_474104	NW_004516158.1	Scaffold775	474104	TT	CC	1940468910
SNP_P1_207422_474112	NW_004516158.1	Scaffold775	474112	GG	AA	1940468911
SNP_P1_207423_475304	NW_004516158.1	Scaffold775	475304	TT	CC	1940468912
SNP_P1_207424_475306	NW_004516158.1	Scaffold775	475306	GG	AA	1940468913
SNP_P1_207425_475697	NW_004516158.1	Scaffold775	475697	AA	GG	1940468914
SNP_P1_207426_475724	NW_004516158.1	Scaffold775	475724	CC	GG	1940468915
SNP_P1_207427_476026	NW_004516158.1	Scaffold775	476026	AA	CC	1940468916
SNP_P1_207428_476139	NW_004516158.1	Scaffold775	476139	TT	CC	1940468917
SNP_P1_207429_476181	NW_004516158.1	Scaffold775	476181	CC	TT	1940468918
SNP_P1_207430_476189	NW_004516158.1	Scaffold775	476189	TT	CC	1940468919
SNP_P1_207431_476389	NW_004516158.1	Scaffold775	476389	GG	AA	1940468920
SNP_P1_207432_476520	NW_004516158.1	Scaffold775	476520	TT	CC	1940468921
SNP_P1_207433_481798	NW_004516158.1	Scaffold775	481798	CC	AA	1940468922
SNP_P1_207434_483657	NW_004516158.1	Scaffold775	483657	CC	TT	1940468923
SNP_P1_207435_483709	NW_004516158.1	Scaffold775	483709	GG	AA	1940468924
SNP_P1_207436_483715	NW_004516158.1	Scaffold775	483715	GG	AA	1940468925
SNP_P1_207437_483752	NW_004516158.1	Scaffold775	483752	GG	AA	1940468926
SNP_P1_207438_484101	NW_004516158.1	Scaffold775	484101	AA	GG	1940468927
SNP_P1_207439_484848	NW_004516158.1	Scaffold775	484848	AA	CC	1940468928
SNP_P1_207440_21969	NW_004516159.1	Scaffold776	21969	AA	GG	1940468929
SNP_P1_207441_23614	NW_004516159.1	Scaffold776	23614	CC	TT	1940468930
SNP_P1_207442_23649	NW_004516159.1	Scaffold776	23649	AA	TT	1940468931
SNP_P1_207443_23925	NW_004516159.1	Scaffold776	23925	AA	TT	1940468932
SNP_P1_207444_26432	NW_004516159.1	Scaffold776	26432	CC	TT	1940468933
SNP_P1_207445_27223	NW_004516159.1	Scaffold776	27223	TT	CC	1940468934
SNP_P1_207446_35510	NW_004516159.1	Scaffold776	35510	AA	TT	1940468935
SNP_P1_207447_40166	NW_004516159.1	Scaffold776	40166	TT	AA	1940468936
SNP_P1_207448_65435	NW_004516159.1	Scaffold776	65435	AA	CC	1940468937
SNP_P1_207449_65467	NW_004516159.1	Scaffold776	65467	CC	TT	1940468938
SNP_P1_207450_69927	NW_004516159.1	Scaffold776	69927	GG	AA	1940468939
SNP_P1_207451_71725	NW_004516159.1	Scaffold776	71725	AA	GG	1940468940
SNP_P1_207452_71822	NW_004516159.1	Scaffold776	71822	AA	GG	1940468941
SNP_P1_207453_71912	NW_004516159.1	Scaffold776	71912	TT	AA	1940468942
SNP_P1_207454_72024	NW_004516159.1	Scaffold776	72024	TT	AA	1940468943
SNP_P1_207455_72271	NW_004516159.1	Scaffold776	72271	AA	GG	1940468944
SNP_P1_207457_75440	NW_004516159.1	Scaffold776	75440	CC	TT	1940468945
SNP_P1_207459_90484	NW_004516159.1	Scaffold776	90484	AA	GG	1940468946

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_207463_113826	NW_004516159.1	Scaffold776	113826	TT	CC	1940468949
SNP_P1_207464_115075	NW_004516159.1	Scaffold776	115075	TT	CC	1940468950
SNP_P1_207465_121342	NW_004516159.1	Scaffold776	121342	CC	GG	1940468951
SNP_P1_207466_123715	NW_004516159.1	Scaffold776	123715	TT	CC	1940468952
SNP_P1_207467_133231	NW_004516159.1	Scaffold776	133231	CC	GG	1940468953
SNP_P1_207468_143642	NW_004516159.1	Scaffold776	143642	AA	TT	1940468954
SNP_P1_207469_144069	NW_004516159.1	Scaffold776	144069	AA	GG	1940468955
SNP_P1_207470_144070	NW_004516159.1	Scaffold776	144070	AA	TT	1940468956
SNP_P1_207471_144216	NW_004516159.1	Scaffold776	144216	CC	TT	1940468958
SNP_P1_207472_144217	NW_004516159.1	Scaffold776	144217	TT	AA	1940468959
SNP_P1_207473_144254	NW_004516159.1	Scaffold776	144254	CC	TT	1940468960
SNP_P1_207474_144262	NW_004516159.1	Scaffold776	144262	AA	TT	1940468961
SNP_P1_207475_147168	NW_004516159.1	Scaffold776	147168	AA	CC	1940468962
SNP_P1_207476_156114	NW_004516159.1	Scaffold776	156114	AA	GG	1940468963
SNP_P1_207477_169682	NW_004516159.1	Scaffold776	169682	TT	GG	1940468964
SNP_P1_207478_172959	NW_004516159.1	Scaffold776	172959	AA	TT	1940468965
SNP_P1_207479_175895	NW_004516159.1	Scaffold776	175895	AA	GG	1940468966
SNP_P1_207480_177745	NW_004516159.1	Scaffold776	177745	CC	TT	1940468967
SNP_P1_207481_177904	NW_004516159.1	Scaffold776	177904	GG	AA	1940468968
SNP_P1_207482_177906	NW_004516159.1	Scaffold776	177906	AA	GG	1940468969
SNP_P1_207483_177944	NW_004516159.1	Scaffold776	177944	TT	GG	1940468970
SNP_P1_207484_180038	NW_004516159.1	Scaffold776	180038	CC	TT	1940468971
SNP_P1_207485_182156	NW_004516159.1	Scaffold776	182156	CC	TT	1940468972
SNP_P1_207486_207169	NW_004516159.1	Scaffold776	207169	CC	AA	1940468973
SNP_P1_207487_209125	NW_004516159.1	Scaffold776	209125	GG	TT	1940468974
SNP_P1_207488_211973	NW_004516159.1	Scaffold776	211973	CC	TT	1940468975
SNP_P1_207489_216604	NW_004516159.1	Scaffold776	216604	CC	AA	1940468976
SNP_P1_207490_218793	NW_004516159.1	Scaffold776	218793	TT	GG	1940468977
SNP_P1_207491_218816	NW_004516159.1	Scaffold776	218816	AA	GG	1940468978
SNP_P1_207492_218836	NW_004516159.1	Scaffold776	218836	CC	GG	1940468979
SNP_P1_207493_218898	NW_004516159.1	Scaffold776	218898	GG	AA	1940468980
SNP_P1_207494_218909	NW_004516159.1	Scaffold776	218909	AA	GG	1940468981
SNP_P1_207495_219010	NW_004516159.1	Scaffold776	219010	TT	GG	1940468982
SNP_P1_207496_219019	NW_004516159.1	Scaffold776	219019	GG	CC	1940468983
SNP_P1_207497_219066	NW_004516159.1	Scaffold776	219066	GG	TT	1940468984
SNP_P1_207498_219136	NW_004516159.1	Scaffold776	219136	CC	TT	1940468985
SNP_P1_207499_219208	NW_004516159.1	Scaffold776	219208	CC	AA	1940468986
SNP_P1_207500_219212	NW_004516159.1	Scaffold776	219212	AA	GG	1940468987
SNP_P1_207501_219344	NW_004516159.1	Scaffold776	219344	TT	GG	1940468988
SNP_P1_207502_219358	NW_004516159.1	Scaffold776	219358	CC	AA	1940468989

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207503_219368	NW_004516159.1	Scaffold776	219368	TT	CC	1940468990
SNP_P1_207504_219445	NW_004516159.1	Scaffold776	219445	CC	TT	1940468991
SNP_P1_207505_219446	NW_004516159.1	Scaffold776	219446	AA	GG	1940468992
SNP_P1_207506_219938	NW_004516159.1	Scaffold776	219938	AA	GG	1940468993
SNP_P1_207507_220028	NW_004516159.1	Scaffold776	220028	AA	GG	1940468994
SNP_P1_207508_220055	NW_004516159.1	Scaffold776	220055	CC	TT	1940468995
SNP_P1_207509_220057	NW_004516159.1	Scaffold776	220057	AA	GG	1940468996
SNP_P1_207510_220059	NW_004516159.1	Scaffold776	220059	AA	GG	1940468997
SNP_P1_207511_220248	NW_004516159.1	Scaffold776	220248	AA	GG	1940468998
SNP_P1_207512_220308	NW_004516159.1	Scaffold776	220308	AA	CC	1940468999
SNP_P1_207513_220309	NW_004516159.1	Scaffold776	220309	TT	GG	1940469000
SNP_P1_207514_220318	NW_004516159.1	Scaffold776	220318	TT	GG	1940469001
SNP_P1_207515_220457	NW_004516159.1	Scaffold776	220457	GG	CC	1940469002
SNP_P1_207517_228392	NW_004516159.1	Scaffold776	228392	AA	TT	1940469003
SNP_P1_207518_228626	NW_004516159.1	Scaffold776	228626	CC	TT	1940469004
SNP_P1_207519_241939	NW_004516159.1	Scaffold776	241939	TT	AA	1940469005
SNP_P1_207520_572	NW_004516160.1	Scaffold778	572	GG	AA	1940469006
SNP_P1_207521_943	NW_004516161.1	Scaffold779	943	TT	AA	1940469007
SNP_P1_207522_994	NW_004516161.1	Scaffold779	994	CC	AA	1940469008
SNP_P1_207523_1087	NW_004516161.1	Scaffold779	1087	AA	CC	1940469009
SNP_P1_207524_1211	NW_004516161.1	Scaffold779	1211	AA	GG	1940469010
SNP_P1_207525_1215	NW_004516161.1	Scaffold779	1215	GG	AA	1940469011
SNP_P1_207526_1271	NW_004516161.1	Scaffold779	1271	AA	GG	1940469012
SNP_P1_207527_1339	NW_004516161.1	Scaffold779	1339	TT	AA	1940469013
SNP_P1_207528_1345	NW_004516161.1	Scaffold779	1345	TT	CC	1940469014
SNP_P1_207529_1412	NW_004516161.1	Scaffold779	1412	AA	GG	1940469015
SNP_P1_207530_1417	NW_004516161.1	Scaffold779	1417	AA	GG	1940469016
SNP_P1_207531_1425	NW_004516161.1	Scaffold779	1425	TT	AA	1940469017
SNP_P1_207532_1462	NW_004516161.1	Scaffold779	1462	TT	AA	1940469018
SNP_P1_207534_1569	NW_004516161.1	Scaffold779	1569	GG	AA	1940469019
SNP_P1_207535_1607	NW_004516161.1	Scaffold779	1607	CC	TT	1940469020
SNP_P1_207536_1635	NW_004516161.1	Scaffold779	1635	TT	AA	1940469021
SNP_P1_207537_1724	NW_004516161.1	Scaffold779	1724	TT	GG	1940469022
SNP_P1_207538_1744	NW_004516161.1	Scaffold779	1744	CC	GG	1940469023
SNP_P1_207539_1762	NW_004516161.1	Scaffold779	1762	AA	GG	1940469024
SNP_P1_207540_6070	NW_004516161.1	Scaffold779	6070	AA	GG	1940469025
SNP_P1_207541_6191	NW_004516161.1	Scaffold779	6191	AA	GG	1940469026
SNP_P1_207542_6202	NW_004516161.1	Scaffold779	6202	CC	TT	1940469027
SNP_P1_207543_8325	NW_004516161.1	Scaffold779	8325	GG	AA	1940469028
SNP_P1_207544_14273	NW_004516161.1	Scaffold779	14273	CC	TT	1940469029
SNP_P1_207546_144	NW_004516162.1	Scaffold781	144	AA	GG	1940469030
SNP_P1_207547_165	NW_004516162.1	Scaffold781	165	AA	GG	1940469031

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207548_413	NW_004516162.1	Scaffold781	413	GG	AA	1940469032
SNP_P1_207549_3447	NW_004516162.1	Scaffold781	3447	CC	AA	1940469033
SNP_P1_207550_3448	NW_004516162.1	Scaffold781	3448	AA	TT	1940469034
SNP_P1_207551_3652	NW_004516162.1	Scaffold781	3652	TT	AA	1940469035
SNP_P1_207552_3808	NW_004516162.1	Scaffold781	3808	AA	GG	1940469036
SNP_P1_207553_3939	NW_004516162.1	Scaffold781	3939	CC	AA	1940469037
SNP_P1_207554_30409	NW_004516162.1	Scaffold781	30409	CC	TT	1940469038
SNP_P1_207555_30708	NW_004516162.1	Scaffold781	30708	TT	CC	1940469039
SNP_P1_207556_30771	NW_004516162.1	Scaffold781	30771	AA	GG	1940469040
SNP_P1_207557_48	NW_004516164.1	Scaffold783	48	AA	GG	1940469041
SNP_P1_207559_98	NW_004516164.1	Scaffold783	98	GG	AA	1940469042
SNP_P1_207560_2210	NW_004516164.1	Scaffold783	2210	GG	AA	1940469043
SNP_P1_207561_8693	NW_004516164.1	Scaffold783	8693	AA	TT	1940469044
SNP_P1_207563_33083	NW_004516164.1	Scaffold783	33083	AA	GG	1940469045
SNP_P1_207564_35277	NW_004516164.1	Scaffold783	35277	GG	AA	1940469046
SNP_P1_207565_39701	NW_004516164.1	Scaffold783	39701	GG	TT	1940469047
SNP_P1_207566_40498	NW_004516164.1	Scaffold783	40498	GG	AA	1940469048
SNP_P1_207567_52153	NW_004516164.1	Scaffold783	52153	CC	GG	1940469049
SNP_P1_207569_65938	NW_004516164.1	Scaffold783	65938	AA	GG	1940469050
SNP_P1_207570_65939	NW_004516164.1	Scaffold783	65939	TT	CC	1940469051
SNP_P1_207571_69421	NW_004516164.1	Scaffold783	69421	TT	CC	1940469052
SNP_P1_207572_78529	NW_004516164.1	Scaffold783	78529	GG	CC	1940469053
SNP_P1_207573_81645	NW_004516164.1	Scaffold783	81645	AA	TT	1940469054
SNP_P1_207574_81886	NW_004516164.1	Scaffold783	81886	CC	AA	1940469055
SNP_P1_207575_84105	NW_004516164.1	Scaffold783	84105	TT	GG	1940469056
SNP_P1_207576_84118	NW_004516164.1	Scaffold783	84118	AA	GG	1940469057
SNP_P1_207578_91943	NW_004516164.1	Scaffold783	91943	GG	AA	1940469058
SNP_P1_207579_92133	NW_004516164.1	Scaffold783	92133	CC	TT	1940469059
SNP_P1_207580_95436	NW_004516164.1	Scaffold783	95436	CC	TT	1940469060
SNP_P1_207581_95479	NW_004516164.1	Scaffold783	95479	TT	CC	1940469061
SNP_P1_207582_95840	NW_004516164.1	Scaffold783	95840	AA	GG	1940469062
SNP_P1_207583_95880	NW_004516164.1	Scaffold783	95880	GG	TT	1940469063
SNP_P1_207584_98960	NW_004516164.1	Scaffold783	98960	AA	TT	1940469064
SNP_P1_207585_99089	NW_004516164.1	Scaffold783	99089	AA	GG	1940469065
SNP_P1_207587_99107	NW_004516164.1	Scaffold783	99107	TT	CC	1940469066
SNP_P1_207588_103509	NW_004516164.1	Scaffold783	103509	CC	TT	1940469067
SNP_P1_207589_104134	NW_004516164.1	Scaffold783	104134	TT	GG	1940469068
SNP_P1_207590_104297	NW_004516164.1	Scaffold783	104297	GG	TT	1940469069
SNP_P1_207592_104675	NW_004516164.1	Scaffold783	104675	GG	TT	1940469070
SNP_P1_207593_104741	NW_004516164.1	Scaffold783	104741	TT	CC	1940469071
SNP_P1_207594_104742	NW_004516164.1	Scaffold783	104742	CC	AA	1940469072
SNP_P1_207595_104745	NW_004516164.1	Scaffold783	104745	GG	AA	1940469073

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207596_104748	NW_004516164.1	Scaffold783	104748	CC	TT	1940469074
SNP_P1_207598_104787	NW_004516164.1	Scaffold783	104787	CC	TT	1940469075
SNP_P1_207599_104887	NW_004516164.1	Scaffold783	104887	GG	AA	1940469076
SNP_P1_207600_114251	NW_004516164.1	Scaffold783	114251	TT	CC	1940469077
SNP_P1_207602_120578	NW_004516164.1	Scaffold783	120578	GG	TT	1940469078
SNP_P1_207603_128255	NW_004516164.1	Scaffold783	128255	TT	CC	1940469079
SNP_P1_207604_128543	NW_004516164.1	Scaffold783	128543	TT	GG	1940469080
SNP_P1_207605_128545	NW_004516164.1	Scaffold783	128545	TT	GG	1940469081
SNP_P1_207606_128899	NW_004516164.1	Scaffold783	128899	AA	GG	1940469082
SNP_P1_207607_128921	NW_004516164.1	Scaffold783	128921	TT	GG	1940469083
SNP_P1_207608_131688	NW_004516164.1	Scaffold783	131688	GG	CC	1940469084
SNP_P1_207609_145538	NW_004516164.1	Scaffold783	145538	GG	AA	1940469085
SNP_P1_207610_145657	NW_004516164.1	Scaffold783	145657	TT	CC	1940469086
SNP_P1_207611_155083	NW_004516164.1	Scaffold783	155083	CC	AA	1940469087
SNP_P1_207612_166609	NW_004516164.1	Scaffold783	166609	AA	GG	1940469088
SNP_P1_207613_179860	NW_004516164.1	Scaffold783	179860	TT	CC	1940469089
SNP_P1_207614_179954	NW_004516164.1	Scaffold783	179954	TT	CC	1940469090
SNP_P1_207615_180001	NW_004516164.1	Scaffold783	180001	AA	GG	1940469091
SNP_P1_207616_180057	NW_004516164.1	Scaffold783	180057	GG	TT	1940469092
SNP_P1_207617_208156	NW_004516164.1	Scaffold783	208156	GG	TT	1940469093
SNP_P1_207618_208203	NW_004516164.1	Scaffold783	208203	AA	GG	1940469094
SNP_P1_207619_208324	NW_004516164.1	Scaffold783	208324	TT	CC	1940469095
SNP_P1_207620_208485	NW_004516164.1	Scaffold783	208485	TT	CC	1940469096
SNP_P1_207621_208488	NW_004516164.1	Scaffold783	208488	GG	AA	1940469097
SNP_P1_207622_208557	NW_004516164.1	Scaffold783	208557	CC	TT	1940469098
SNP_P1_207623_208563	NW_004516164.1	Scaffold783	208563	GG	AA	1940469099
SNP_P1_207624_208608	NW_004516164.1	Scaffold783	208608	CC	TT	1940469100
SNP_P1_207625_222218	NW_004516164.1	Scaffold783	222218	CC	GG	1940469101
SNP_P1_207626_222542	NW_004516164.1	Scaffold783	222542	CC	TT	1940469102
SNP_P1_207627_222551	NW_004516164.1	Scaffold783	222551	TT	GG	1940469103
SNP_P1_207628_229657	NW_004516164.1	Scaffold783	229657	TT	AA	1940469104
SNP_P1_207629_244725	NW_004516164.1	Scaffold783	244725	TT	CC	1940469105
SNP_P1_207630_272104	NW_004516164.1	Scaffold783	272104	CC	TT	1940469106
SNP_P1_207631_1994	NW_004516168.1	Scaffold787	1994	AA	GG	1940469108
SNP_P1_207632_2776	NW_004516168.1	Scaffold787	2776	TT	CC	1940469109
SNP_P1_207633_2969	NW_004516168.1	Scaffold787	2969	AA	CC	1940469110
SNP_P1_207634_3219	NW_004516168.1	Scaffold787	3219	GG	AA	1940469111
SNP_P1_207636_6266	NW_004516168.1	Scaffold787	6266	TT	CC	1940469112
SNP_P1_207637_6281	NW_004516168.1	Scaffold787	6281	GG	TT	1940469113
SNP_P1_207638_8415	NW_004516168.1	Scaffold787	8415	TT	CC	1940469114
SNP_P1_207639_9754	NW_004516168.1	Scaffold787	9754	CC	AA	1940469115
SNP_P1_207641_10220	NW_004516168.1	Scaffold787	10220	TT	CC	1940469116

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207642_12755	NW_004516168.1	Scaffold787	12755	AA	GG	1940469117
SNP_P1_207643_13680	NW_004516168.1	Scaffold787	13680	CC	GG	1940469118
SNP_P1_207644_13709	NW_004516168.1	Scaffold787	13709	CC	TT	1940469119
SNP_P1_207645_16663	NW_004516168.1	Scaffold787	16663	AA	GG	1940469120
SNP_P1_207646_16721	NW_004516168.1	Scaffold787	16721	TT	GG	1940469121
SNP_P1_207647_16945	NW_004516168.1	Scaffold787	16945	GG	AA	1940469122
SNP_P1_207648_18137	NW_004516168.1	Scaffold787	18137	TT	AA	1940469123
SNP_P1_207649_18461	NW_004516168.1	Scaffold787	18461	TT	GG	1940469124
SNP_P1_207650_19368	NW_004516168.1	Scaffold787	19368	TT	CC	1940469125
SNP_P1_207651_20006	NW_004516168.1	Scaffold787	20006	AA	GG	1940469126
SNP_P1_207652_20525	NW_004516168.1	Scaffold787	20525	TT	AA	1940469127
SNP_P1_207653_24555	NW_004516168.1	Scaffold787	24555	AA	GG	1940469128
SNP_P1_207654_24758	NW_004516168.1	Scaffold787	24758	TT	GG	1940469129
SNP_P1_207655_24873	NW_004516168.1	Scaffold787	24873	CC	TT	1940469130
SNP_P1_207656_24973	NW_004516168.1	Scaffold787	24973	TT	GG	1940469131
SNP_P1_207657_25048	NW_004516168.1	Scaffold787	25048	TT	CC	1940469132
SNP_P1_207658_25059	NW_004516168.1	Scaffold787	25059	CC	AA	1940469133
SNP_P1_207659_25074	NW_004516168.1	Scaffold787	25074	CC	AA	1940469134
SNP_P1_207660_25116	NW_004516168.1	Scaffold787	25116	GG	CC	1940469135
SNP_P1_207661_28839	NW_004516168.1	Scaffold787	28839	CC	AA	1940469136
SNP_P1_207662_29017	NW_004516168.1	Scaffold787	29017	TT	GG	1940469137
SNP_P1_207663_29261	NW_004516168.1	Scaffold787	29261	CC	TT	1940469138
SNP_P1_207664_29275	NW_004516168.1	Scaffold787	29275	GG	AA	1940469139
SNP_P1_207666_30756	NW_004516168.1	Scaffold787	30756	GG	CC	1940469140
SNP_P1_207667_31073	NW_004516168.1	Scaffold787	31073	AA	TT	1940469141
SNP_P1_207668_31251	NW_004516168.1	Scaffold787	31251	TT	AA	1940469142
SNP_P1_207669_33106	NW_004516168.1	Scaffold787	33106	TT	AA	1940469143
SNP_P1_207671_34808	NW_004516168.1	Scaffold787	34808	TT	CC	1940469144
SNP_P1_207672_35509	NW_004516168.1	Scaffold787	35509	TT	AA	1940469145
SNP_P1_207673_35591	NW_004516168.1	Scaffold787	35591	GG	AA	1940469146
SNP_P1_207674_37147	NW_004516168.1	Scaffold787	37147	AA	GG	1940469147
SNP_P1_207675_37967	NW_004516168.1	Scaffold787	37967	TT	CC	1940469148
SNP_P1_207676_38113	NW_004516168.1	Scaffold787	38113	CC	TT	1940469149
SNP_P1_207677_38269	NW_004516168.1	Scaffold787	38269	GG	TT	1940469150
SNP_P1_207678_39083	NW_004516168.1	Scaffold787	39083	AA	CC	1940469151
SNP_P1_207679_41535	NW_004516168.1	Scaffold787	41535	GG	TT	1940469152
SNP_P1_207680_41552	NW_004516168.1	Scaffold787	41552	AA	GG	1940469153
SNP_P1_207681_41567	NW_004516168.1	Scaffold787	41567	GG	AA	1940469154
SNP_P1_207682_41728	NW_004516168.1	Scaffold787	41728	TT	CC	1940469155
SNP_P1_207683_41757	NW_004516168.1	Scaffold787	41757	TT	CC	1940469156
SNP_P1_207684_42622	NW_004516168.1	Scaffold787	42622	AA	CC	1940469157
SNP_P1_207685_42642	NW_004516168.1	Scaffold787	42642	CC	GG	1940469158

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207686_43014	NW_004516168.1	Scaffold787	43014	GG	TT	1940469159
SNP_P1_207687_43856	NW_004516168.1	Scaffold787	43856	AA	CC	1940469160
SNP_P1_207688_44020	NW_004516168.1	Scaffold787	44020	AA	CC	1940469161
SNP_P1_207689_44877	NW_004516168.1	Scaffold787	44877	AA	CC	1940469162
SNP_P1_207690_45144	NW_004516168.1	Scaffold787	45144	CC	AA	1940469163
SNP_P1_207691_45252	NW_004516168.1	Scaffold787	45252	CC	TT	1940469164
SNP_P1_207692_45338	NW_004516168.1	Scaffold787	45338	TT	GG	1940469165
SNP_P1_207693_48203	NW_004516168.1	Scaffold787	48203	GG	AA	1940469166
SNP_P1_207694_49682	NW_004516168.1	Scaffold787	49682	CC	TT	1940469167
SNP_P1_207695_50684	NW_004516168.1	Scaffold787	50684	TT	GG	1940469168
SNP_P1_207696_50942	NW_004516168.1	Scaffold787	50942	GG	AA	1940469169
SNP_P1_207697_52426	NW_004516168.1	Scaffold787	52426	GG	AA	1940469170
SNP_P1_207698_52488	NW_004516168.1	Scaffold787	52488	AA	GG	1940469171
SNP_P1_207699_52837	NW_004516168.1	Scaffold787	52837	AA	TT	1940469172
SNP_P1_207700_52849	NW_004516168.1	Scaffold787	52849	AA	CC	1940469173
SNP_P1_207701_52866	NW_004516168.1	Scaffold787	52866	TT	CC	1940469174
SNP_P1_207702_53163	NW_004516168.1	Scaffold787	53163	CC	TT	1940469175
SNP_P1_207703_54570	NW_004516168.1	Scaffold787	54570	AA	TT	1940469176
SNP_P1_207704_54578	NW_004516168.1	Scaffold787	54578	GG	AA	1940469177
SNP_P1_207705_54581	NW_004516168.1	Scaffold787	54581	AA	CC	1940469178
SNP_P1_207706_54588	NW_004516168.1	Scaffold787	54588	GG	TT	1940469179
SNP_P1_207707_54592	NW_004516168.1	Scaffold787	54592	TT	AA	1940469180
SNP_P1_207708_55294	NW_004516168.1	Scaffold787	55294	TT	CC	1940469181
SNP_P1_207709_57332	NW_004516168.1	Scaffold787	57332	TT	AA	1940469182
SNP_P1_207710_57333	NW_004516168.1	Scaffold787	57333	TT	CC	1940469183
SNP_P1_207712_58298	NW_004516168.1	Scaffold787	58298	TT	CC	1940469184
SNP_P1_207713_58369	NW_004516168.1	Scaffold787	58369	CC	TT	1940469185
SNP_P1_207714_58625	NW_004516168.1	Scaffold787	58625	AA	GG	1940469186
SNP_P1_207715_58684	NW_004516168.1	Scaffold787	58684	GG	AA	1940469187
SNP_P1_207716_58685	NW_004516168.1	Scaffold787	58685	GG	AA	1940469188
SNP_P1_207717_58689	NW_004516168.1	Scaffold787	58689	AA	TT	1940469189
SNP_P1_207718_58765	NW_004516168.1	Scaffold787	58765	CC	TT	1940469190
SNP_P1_207719_60030	NW_004516168.1	Scaffold787	60030	GG	TT	1940469191
SNP_P1_207720_60908	NW_004516168.1	Scaffold787	60908	AA	TT	1940469192
SNP_P1_207721_61071	NW_004516168.1	Scaffold787	61071	TT	CC	1940469193
SNP_P1_207722_61176	NW_004516168.1	Scaffold787	61176	TT	AA	1940469194
SNP_P1_207723_61593	NW_004516168.1	Scaffold787	61593	AA	TT	1940469195
SNP_P1_207724_61876	NW_004516168.1	Scaffold787	61876	TT	GG	1940469196
SNP_P1_207725_62102	NW_004516168.1	Scaffold787	62102	GG	AA	1940469197
SNP_P1_207726_62358	NW_004516168.1	Scaffold787	62358	TT	CC	1940469198
SNP_P1_207727_62391	NW_004516168.1	Scaffold787	62391	GG	AA	1940469199
SNP_P1_207728_62880	NW_004516168.1	Scaffold787	62880	TT	CC	1940469200

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207729_65650	NW_004516168.1	Scaffold787	65650	AA	GG	1940469201
SNP_P1_207730_66269	NW_004516168.1	Scaffold787	66269	TT	CC	1940469202
SNP_P1_207731_66354	NW_004516168.1	Scaffold787	66354	AA	CC	1940469203
SNP_P1_207732_66693	NW_004516168.1	Scaffold787	66693	TT	AA	1940469204
SNP_P1_207733_66714	NW_004516168.1	Scaffold787	66714	AA	TT	1940469205
SNP_P1_207734_66952	NW_004516168.1	Scaffold787	66952	AA	GG	1940469206
SNP_P1_207735_69211	NW_004516168.1	Scaffold787	69211	GG	CC	1940469207
SNP_P1_207737_69649	NW_004516168.1	Scaffold787	69649	CC	TT	1940469208
SNP_P1_207738_70346	NW_004516168.1	Scaffold787	70346	TT	CC	1940469209
SNP_P1_207739_70373	NW_004516168.1	Scaffold787	70373	AA	GG	1940469210
SNP_P1_207740_70589	NW_004516168.1	Scaffold787	70589	GG	CC	1940469211
SNP_P1_207741_70683	NW_004516168.1	Scaffold787	70683	AA	TT	1940469212
SNP_P1_207742_70903	NW_004516168.1	Scaffold787	70903	TT	AA	1940469213
SNP_P1_207743_71065	NW_004516168.1	Scaffold787	71065	AA	GG	1940469214
SNP_P1_207744_71858	NW_004516168.1	Scaffold787	71858	AA	GG	1940469215
SNP_P1_207745_72122	NW_004516168.1	Scaffold787	72122	TT	GG	1940469216
SNP_P1_207746_72914	NW_004516168.1	Scaffold787	72914	TT	GG	1940469217
SNP_P1_207747_73727	NW_004516168.1	Scaffold787	73727	CC	TT	1940469218
SNP_P1_207748_74187	NW_004516168.1	Scaffold787	74187	GG	AA	1940469219
SNP_P1_207749_74218	NW_004516168.1	Scaffold787	74218	GG	AA	1940469220
SNP_P1_207750_75440	NW_004516168.1	Scaffold787	75440	TT	CC	1940469221
SNP_P1_207751_75757	NW_004516168.1	Scaffold787	75757	CC	GG	1940469222
SNP_P1_207752_75920	NW_004516168.1	Scaffold787	75920	TT	AA	1940469223
SNP_P1_207754_75975	NW_004516168.1	Scaffold787	75975	CC	TT	1940469224
SNP_P1_207755_77071	NW_004516168.1	Scaffold787	77071	CC	AA	1940469225
SNP_P1_207756_77529	NW_004516168.1	Scaffold787	77529	CC	GG	1940469226
SNP_P1_207757_77878	NW_004516168.1	Scaffold787	77878	AA	GG	1940469227
SNP_P1_207758_77888	NW_004516168.1	Scaffold787	77888	AA	CC	1940469228
SNP_P1_207759_77889	NW_004516168.1	Scaffold787	77889	AA	CC	1940469229
SNP_P1_207760_77892	NW_004516168.1	Scaffold787	77892	AA	TT	1940469230
SNP_P1_207761_77908	NW_004516168.1	Scaffold787	77908	CC	TT	1940469231
SNP_P1_207762_77913	NW_004516168.1	Scaffold787	77913	GG	CC	1940469232
SNP_P1_207763_78768	NW_004516168.1	Scaffold787	78768	TT	AA	1940469233
SNP_P1_207764_78990	NW_004516168.1	Scaffold787	78990	AA	CC	1940469234
SNP_P1_207765_79176	NW_004516168.1	Scaffold787	79176	TT	AA	1940469235
SNP_P1_207766_79191	NW_004516168.1	Scaffold787	79191	TT	CC	1940469236
SNP_P1_207767_79197	NW_004516168.1	Scaffold787	79197	AA	GG	1940469237
SNP_P1_207768_79280	NW_004516168.1	Scaffold787	79280	TT	GG	1940469238
SNP_P1_207769_79281	NW_004516168.1	Scaffold787	79281	TT	GG	1940469239
SNP_P1_207770_79286	NW_004516168.1	Scaffold787	79286	AA	GG	1940469240
SNP_P1_207771_79301	NW_004516168.1	Scaffold787	79301	AA	CC	1940469241
SNP_P1_207772_79306	NW_004516168.1	Scaffold787	79306	GG	CC	1940469242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207773_79317	NW_004516168.1	Scaffold787	79317	GG	AA	1940469243
SNP_P1_207774_79322	NW_004516168.1	Scaffold787	79322	TT	CC	1940469244
SNP_P1_207775_79357	NW_004516168.1	Scaffold787	79357	TT	GG	1940469245
SNP_P1_207776_79396	NW_004516168.1	Scaffold787	79396	TT	GG	1940469246
SNP_P1_207777_79471	NW_004516168.1	Scaffold787	79471	TT	AA	1940469247
SNP_P1_207778_80780	NW_004516168.1	Scaffold787	80780	AA	CC	1940469248
SNP_P1_207779_85727	NW_004516168.1	Scaffold787	85727	GG	CC	1940469249
SNP_P1_207780_85852	NW_004516168.1	Scaffold787	85852	AA	TT	1940469250
SNP_P1_207781_86903	NW_004516168.1	Scaffold787	86903	CC	AA	1940469251
SNP_P1_207782_87039	NW_004516168.1	Scaffold787	87039	AA	CC	1940469252
SNP_P1_207783_87069	NW_004516168.1	Scaffold787	87069	AA	GG	1940469253
SNP_P1_207784_87186	NW_004516168.1	Scaffold787	87186	CC	TT	1940469254
SNP_P1_207785_87263	NW_004516168.1	Scaffold787	87263	CC	AA	1940469255
SNP_P1_207786_87481	NW_004516168.1	Scaffold787	87481	CC	AA	1940469256
SNP_P1_207787_89468	NW_004516168.1	Scaffold787	89468	GG	AA	1940469257
SNP_P1_207788_89480	NW_004516168.1	Scaffold787	89480	CC	GG	1940469258
SNP_P1_207789_89500	NW_004516168.1	Scaffold787	89500	TT	GG	1940469259
SNP_P1_207790_89601	NW_004516168.1	Scaffold787	89601	GG	AA	1940469260
SNP_P1_207791_89774	NW_004516168.1	Scaffold787	89774	TT	CC	1940469261
SNP_P1_207792_89919	NW_004516168.1	Scaffold787	89919	AA	GG	1940469262
SNP_P1_207793_89924	NW_004516168.1	Scaffold787	89924	TT	AA	1940469263
SNP_P1_207794_89940	NW_004516168.1	Scaffold787	89940	CC	TT	1940469264
SNP_P1_207795_90979	NW_004516168.1	Scaffold787	90979	TT	CC	1940469265
SNP_P1_207796_90985	NW_004516168.1	Scaffold787	90985	GG	TT	1940469266
SNP_P1_207797_91154	NW_004516168.1	Scaffold787	91154	AA	CC	1940469267
SNP_P1_207798_91321	NW_004516168.1	Scaffold787	91321	CC	GG	1940469268
SNP_P1_207799_91375	NW_004516168.1	Scaffold787	91375	CC	TT	1940469269
SNP_P1_207800_91457	NW_004516168.1	Scaffold787	91457	CC	TT	1940469270
SNP_P1_207801_91871	NW_004516168.1	Scaffold787	91871	GG	TT	1940469272
SNP_P1_207803_92618	NW_004516168.1	Scaffold787	92618	TT	GG	1940469273
SNP_P1_207804_92839	NW_004516168.1	Scaffold787	92839	GG	AA	1940469274
SNP_P1_207805_92916	NW_004516168.1	Scaffold787	92916	TT	CC	1940469275
SNP_P1_207806_92985	NW_004516168.1	Scaffold787	92985	TT	CC	1940469276
SNP_P1_207807_93510	NW_004516168.1	Scaffold787	93510	GG	TT	1940469277
SNP_P1_207808_94240	NW_004516168.1	Scaffold787	94240	CC	TT	1940469278
SNP_P1_207809_94549	NW_004516168.1	Scaffold787	94549	GG	AA	1940469279
SNP_P1_207810_94603	NW_004516168.1	Scaffold787	94603	GG	AA	1940469280
SNP_P1_207812_95003	NW_004516168.1	Scaffold787	95003	GG	AA	1940469281
SNP_P1_207813_96433	NW_004516168.1	Scaffold787	96433	AA	GG	1940469282
SNP_P1_207814_100220	NW_004516168.1	Scaffold787	100220	AA	CC	1940469283
SNP_P1_207815_102974	NW_004516168.1	Scaffold787	102974	TT	AA	1940469284
SNP_P1_207816_103810	NW_004516168.1	Scaffold787	103810	AA	CC	1940469285

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207817_103853	NW_004516168.1	Scaffold787	103853	CC	TT	1940469286
SNP_P1_207819_104094	NW_004516168.1	Scaffold787	104094	CC	TT	1940469287
SNP_P1_207820_104465	NW_004516168.1	Scaffold787	104465	CC	TT	1940469288
SNP_P1_207822_104880	NW_004516168.1	Scaffold787	104880	AA	GG	1940469289
SNP_P1_207823_104922	NW_004516168.1	Scaffold787	104922	AA	CC	1940469290
SNP_P1_207824_105682	NW_004516168.1	Scaffold787	105682	CC	TT	1940469291
SNP_P1_207825_107144	NW_004516168.1	Scaffold787	107144	CC	TT	1940469292
SNP_P1_207826_109718	NW_004516168.1	Scaffold787	109718	GG	CC	1940469293
SNP_P1_207827_110670	NW_004516168.1	Scaffold787	110670	CC	TT	1940469294
SNP_P1_207828_111377	NW_004516168.1	Scaffold787	111377	AA	GG	1940469295
SNP_P1_207829_111394	NW_004516168.1	Scaffold787	111394	GG	TT	1940469296
SNP_P1_207830_111665	NW_004516168.1	Scaffold787	111665	GG	AA	1940469297
SNP_P1_207831_111705	NW_004516168.1	Scaffold787	111705	TT	AA	1940469298
SNP_P1_207832_111947	NW_004516168.1	Scaffold787	111947	CC	TT	1940469299
SNP_P1_207833_113380	NW_004516168.1	Scaffold787	113380	AA	TT	1940469300
SNP_P1_207834_113812	NW_004516168.1	Scaffold787	113812	GG	CC	1940469301
SNP_P1_207835_113908	NW_004516168.1	Scaffold787	113908	TT	AA	1940469302
SNP_P1_207836_113941	NW_004516168.1	Scaffold787	113941	AA	TT	1940469303
SNP_P1_207837_113951	NW_004516168.1	Scaffold787	113951	TT	GG	1940469304
SNP_P1_207838_114197	NW_004516168.1	Scaffold787	114197	GG	TT	1940469305
SNP_P1_207839_115152	NW_004516168.1	Scaffold787	115152	TT	GG	1940469306
SNP_P1_207840_117186	NW_004516168.1	Scaffold787	117186	TT	GG	1940469307
SNP_P1_207841_122142	NW_004516168.1	Scaffold787	122142	AA	GG	1940469308
SNP_P1_207842_125523	NW_004516168.1	Scaffold787	125523	AA	GG	1940469309
SNP_P1_207843_127156	NW_004516168.1	Scaffold787	127156	CC	AA	1940469310
SNP_P1_207844_128988	NW_004516168.1	Scaffold787	128988	AA	GG	1940469311
SNP_P1_207845_129384	NW_004516168.1	Scaffold787	129384	CC	GG	1940469312
SNP_P1_207846_129550	NW_004516168.1	Scaffold787	129550	TT	CC	1940469313
SNP_P1_207847_130027	NW_004516168.1	Scaffold787	130027	TT	AA	1940469314
SNP_P1_207849_131328	NW_004516168.1	Scaffold787	131328	CC	AA	1940469315
SNP_P1_207850_132011	NW_004516168.1	Scaffold787	132011	GG	AA	1940469316
SNP_P1_207851_132202	NW_004516168.1	Scaffold787	132202	CC	GG	1940469317
SNP_P1_207853_136497	NW_004516168.1	Scaffold787	136497	AA	TT	1940469318
SNP_P1_207855_140741	NW_004516168.1	Scaffold787	140741	CC	TT	1940469319
SNP_P1_207856_140851	NW_004516168.1	Scaffold787	140851	GG	AA	1940469320
SNP_P1_207857_145070	NW_004516168.1	Scaffold787	145070	CC	TT	1940469321
SNP_P1_207858_145075	NW_004516168.1	Scaffold787	145075	AA	TT	1940469322
SNP_P1_207859_146493	NW_004516168.1	Scaffold787	146493	AA	GG	1940469323
SNP_P1_207860_148432	NW_004516168.1	Scaffold787	148432	CC	AA	1940469324
SNP_P1_207861_149473	NW_004516168.1	Scaffold787	149473	AA	GG	1940469325
SNP_P1_207863_149833	NW_004516168.1	Scaffold787	149833	GG	AA	1940469326
SNP_P1_207864_149921	NW_004516168.1	Scaffold787	149921	AA	GG	1940469327

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207865_150249	NW_004516168.1	Scaffold787	150249	CC	TT	1940469328
SNP_P1_207866_151440	NW_004516168.1	Scaffold787	151440	CC	GG	1940469329
SNP_P1_207867_151682	NW_004516168.1	Scaffold787	151682	TT	AA	1940469330
SNP_P1_207868_151892	NW_004516168.1	Scaffold787	151892	AA	GG	1940469331
SNP_P1_207869_152223	NW_004516168.1	Scaffold787	152223	TT	CC	1940469332
SNP_P1_207870_152443	NW_004516168.1	Scaffold787	152443	TT	CC	1940469333
SNP_P1_207871_153033	NW_004516168.1	Scaffold787	153033	AA	GG	1940469334
SNP_P1_207873_154120	NW_004516168.1	Scaffold787	154120	CC	TT	1940469335
SNP_P1_207875_155553	NW_004516168.1	Scaffold787	155553	GG	TT	1940469336
SNP_P1_207876_156215	NW_004516168.1	Scaffold787	156215	CC	TT	1940469337
SNP_P1_207877_223413	NW_004516168.1	Scaffold787	223413	TT	AA	1940469338
SNP_P1_207878_264855	NW_004516168.1	Scaffold787	264855	TT	CC	1940469339
SNP_P1_207879_265124	NW_004516168.1	Scaffold787	265124	GG	AA	1940469340
SNP_P1_207880_270217	NW_004516168.1	Scaffold787	270217	TT	AA	1940469341
SNP_P1_207881_271210	NW_004516168.1	Scaffold787	271210	CC	TT	1940469342
SNP_P1_207882_271348	NW_004516168.1	Scaffold787	271348	TT	GG	1940469343
SNP_P1_207883_271517	NW_004516168.1	Scaffold787	271517	AA	GG	1940469344
SNP_P1_207884_273873	NW_004516168.1	Scaffold787	273873	GG	AA	1940469345
SNP_P1_207885_274563	NW_004516168.1	Scaffold787	274563	TT	GG	1940469346
SNP_P1_207886_274564	NW_004516168.1	Scaffold787	274564	TT	AA	1940469347
SNP_P1_207887_275155	NW_004516168.1	Scaffold787	275155	CC	GG	1940469348
SNP_P1_207889_276645	NW_004516168.1	Scaffold787	276645	GG	AA	1940469349
SNP_P1_207890_278475	NW_004516168.1	Scaffold787	278475	TT	GG	1940469350
SNP_P1_207891_281210	NW_004516168.1	Scaffold787	281210	GG	AA	1940469351
SNP_P1_207892_281988	NW_004516168.1	Scaffold787	281988	GG	AA	1940469352
SNP_P1_207893_282263	NW_004516168.1	Scaffold787	282263	GG	AA	1940469353
SNP_P1_207894_284308	NW_004516168.1	Scaffold787	284308	GG	AA	1940469354
SNP_P1_207895_286339	NW_004516168.1	Scaffold787	286339	TT	CC	1940469355
SNP_P1_207896_286867	NW_004516168.1	Scaffold787	286867	AA	TT	1940469356
SNP_P1_207897_287143	NW_004516168.1	Scaffold787	287143	AA	TT	1940469357
SNP_P1_207899_290079	NW_004516168.1	Scaffold787	290079	GG	AA	1940469358
SNP_P1_207900_290080	NW_004516168.1	Scaffold787	290080	TT	CC	1940469359
SNP_P1_207901_290421	NW_004516168.1	Scaffold787	290421	AA	GG	1940469360
SNP_P1_207903_290887	NW_004516168.1	Scaffold787	290887	AA	GG	1940469361
SNP_P1_207904_291666	NW_004516168.1	Scaffold787	291666	GG	AA	1940469362
SNP_P1_207906_292042	NW_004516168.1	Scaffold787	292042	GG	AA	1940469363
SNP_P1_207908_294321	NW_004516168.1	Scaffold787	294321	GG	TT	1940469364
SNP_P1_207909_299344	NW_004516168.1	Scaffold787	299344	GG	AA	1940469365
SNP_P1_207910_299479	NW_004516168.1	Scaffold787	299479	CC	AA	1940469366
SNP_P1_207911_299869	NW_004516168.1	Scaffold787	299869	AA	GG	1940469367
SNP_P1_207912_303014	NW_004516168.1	Scaffold787	303014	GG	AA	1940469368
SNP_P1_207913_303037	NW_004516168.1	Scaffold787	303037	CC	TT	1940469369

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207914_304106	NW_004516168.1	Scaffold787	304106	GG	AA	1940469370
SNP_P1_207915_305240	NW_004516168.1	Scaffold787	305240	GG	AA	1940469371
SNP_P1_207916_305330	NW_004516168.1	Scaffold787	305330	AA	GG	1940469372
SNP_P1_207917_305766	NW_004516168.1	Scaffold787	305766	AA	GG	1940469373
SNP_P1_207918_306989	NW_004516168.1	Scaffold787	306989	TT	CC	1940469374
SNP_P1_207919_307153	NW_004516168.1	Scaffold787	307153	AA	GG	1940469375
SNP_P1_207922_308206	NW_004516168.1	Scaffold787	308206	CC	GG	1940469376
SNP_P1_207923_308307	NW_004516168.1	Scaffold787	308307	CC	TT	1940469377
SNP_P1_207924_309184	NW_004516168.1	Scaffold787	309184	GG	AA	1940469378
SNP_P1_207925_309234	NW_004516168.1	Scaffold787	309234	CC	TT	1940469379
SNP_P1_207926_309402	NW_004516168.1	Scaffold787	309402	CC	TT	1940469380
SNP_P1_207927_309512	NW_004516168.1	Scaffold787	309512	GG	AA	1940469381
SNP_P1_207928_310022	NW_004516168.1	Scaffold787	310022	AA	GG	1940469382
SNP_P1_207929_310042	NW_004516168.1	Scaffold787	310042	AA	GG	1940469383
SNP_P1_207931_312191	NW_004516168.1	Scaffold787	312191	TT	CC	1940469384
SNP_P1_207932_312849	NW_004516168.1	Scaffold787	312849	CC	TT	1940469385
SNP_P1_207933_315587	NW_004516168.1	Scaffold787	315587	CC	GG	1940469386
SNP_P1_207934_316262	NW_004516168.1	Scaffold787	316262	CC	TT	1940469387
SNP_P1_207935_316266	NW_004516168.1	Scaffold787	316266	TT	CC	1940469388
SNP_P1_207936_317113	NW_004516168.1	Scaffold787	317113	GG	TT	1940469389
SNP_P1_207938_318937	NW_004516168.1	Scaffold787	318937	GG	AA	1940469390
SNP_P1_207939_319928	NW_004516168.1	Scaffold787	319928	GG	TT	1940469391
SNP_P1_207940_320007	NW_004516168.1	Scaffold787	320007	CC	TT	1940469392
SNP_P1_207941_320152	NW_004516168.1	Scaffold787	320152	GG	TT	1940469393
SNP_P1_207942_320153	NW_004516168.1	Scaffold787	320153	GG	AA	1940469394
SNP_P1_207943_320522	NW_004516168.1	Scaffold787	320522	AA	GG	1940469395
SNP_P1_207944_320587	NW_004516168.1	Scaffold787	320587	TT	CC	1940469396
SNP_P1_207945_330718	NW_004516168.1	Scaffold787	330718	AA	GG	1940469397
SNP_P1_207946_331194	NW_004516168.1	Scaffold787	331194	CC	TT	1940469398
SNP_P1_207947_331270	NW_004516168.1	Scaffold787	331270	GG	AA	1940469399
SNP_P1_207948_332394	NW_004516168.1	Scaffold787	332394	GG	CC	1940469400
SNP_P1_207949_334171	NW_004516168.1	Scaffold787	334171	GG	AA	1940469401
SNP_P1_207951_336468	NW_004516168.1	Scaffold787	336468	CC	TT	1940469402
SNP_P1_207955_339367	NW_004516168.1	Scaffold787	339367	TT	GG	1940469403
SNP_P1_207956_339953	NW_004516168.1	Scaffold787	339953	GG	AA	1940469404
SNP_P1_207958_343569	NW_004516168.1	Scaffold787	343569	CC	TT	1940469405
SNP_P1_207960_350852	NW_004516168.1	Scaffold787	350852	TT	AA	1940469406
SNP_P1_207961_353656	NW_004516168.1	Scaffold787	353656	AA	GG	1940469407
SNP_P1_207962_354180	NW_004516168.1	Scaffold787	354180	CC	TT	1940469408
SNP_P1_207964_355096	NW_004516168.1	Scaffold787	355096	GG	TT	1940469409
SNP_P1_207965_356436	NW_004516168.1	Scaffold787	356436	CC	TT	1940469410
SNP_P1_207966_357311	NW_004516168.1	Scaffold787	357311	AA	TT	1940469411

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_207967_357740	NW_004516168.1	Scaffold787	357740	CC	TT	1940469412
SNP_P1_207968_359312	NW_004516168.1	Scaffold787	359312	AA	CC	1940469413
SNP_P1_207969_359328	NW_004516168.1	Scaffold787	359328	AA	GG	1940469414
SNP_P1_207970_360762	NW_004516168.1	Scaffold787	360762	AA	CC	1940469415
SNP_P1_207971_361332	NW_004516168.1	Scaffold787	361332	CC	TT	1940469416
SNP_P1_207972_361412	NW_004516168.1	Scaffold787	361412	CC	TT	1940469417
SNP_P1_207973_361931	NW_004516168.1	Scaffold787	361931	GG	AA	1940469418
SNP_P1_207975_362902	NW_004516168.1	Scaffold787	362902	CC	TT	1940469419
SNP_P1_207976_363935	NW_004516168.1	Scaffold787	363935	TT	CC	1940469420
SNP_P1_207977_365016	NW_004516168.1	Scaffold787	365016	TT	CC	1940469421
SNP_P1_207979_366195	NW_004516168.1	Scaffold787	366195	CC	TT	1940469422
SNP_P1_207980_369608	NW_004516168.1	Scaffold787	369608	TT	GG	1940469423
SNP_P1_207981_369650	NW_004516168.1	Scaffold787	369650	CC	GG	1940469424
SNP_P1_207982_382736	NW_004516168.1	Scaffold787	382736	AA	GG	1940469425
SNP_P1_207983_397437	NW_004516168.1	Scaffold787	397437	TT	GG	1940469426
SNP_P1_207984_398340	NW_004516168.1	Scaffold787	398340	CC	TT	1940469427
SNP_P1_207985_398545	NW_004516168.1	Scaffold787	398545	CC	TT	1940469428
SNP_P1_207986_398905	NW_004516168.1	Scaffold787	398905	AA	CC	1940469429
SNP_P1_207987_399113	NW_004516168.1	Scaffold787	399113	TT	AA	1940469430
SNP_P1_207988_399371	NW_004516168.1	Scaffold787	399371	TT	CC	1940469431
SNP_P1_207989_399481	NW_004516168.1	Scaffold787	399481	CC	TT	1940469432
SNP_P1_207990_399805	NW_004516168.1	Scaffold787	399805	AA	GG	1940469433
SNP_P1_207991_405328	NW_004516168.1	Scaffold787	405328	CC	TT	1940469434
SNP_P1_207992_405354	NW_004516168.1	Scaffold787	405354	AA	TT	1940469436
SNP_P1_207993_405713	NW_004516168.1	Scaffold787	405713	TT	AA	1940469437
SNP_P1_207994_407104	NW_004516168.1	Scaffold787	407104	TT	AA	1940469438
SNP_P1_207995_411037	NW_004516168.1	Scaffold787	411037	TT	GG	1940469439
SNP_P1_207996_411073	NW_004516168.1	Scaffold787	411073	GG	AA	1940469440
SNP_P1_207997_413027	NW_004516168.1	Scaffold787	413027	AA	GG	1940469441
SNP_P1_207998_415216	NW_004516168.1	Scaffold787	415216	CC	AA	1940469442
SNP_P1_208000_425413	NW_004516168.1	Scaffold787	425413	AA	TT	1940469443
SNP_P1_208001_428621	NW_004516168.1	Scaffold787	428621	TT	CC	1940469444
SNP_P1_208004_434859	NW_004516168.1	Scaffold787	434859	GG	CC	1940469445
SNP_P1_208005_435346	NW_004516168.1	Scaffold787	435346	TT	CC	1940469446
SNP_P1_208006_437019	NW_004516168.1	Scaffold787	437019	CC	AA	1940469447
SNP_P1_208009_438664	NW_004516168.1	Scaffold787	438664	CC	AA	1940469448
SNP_P1_208010_449193	NW_004516168.1	Scaffold787	449193	AA	CC	1940469449
SNP_P1_208011_449655	NW_004516168.1	Scaffold787	449655	TT	CC	1940469450
SNP_P1_208012_451544	NW_004516168.1	Scaffold787	451544	AA	CC	1940469451
SNP_P1_208013_454249	NW_004516168.1	Scaffold787	454249	AA	GG	1940469452
SNP_P1_208014_454504	NW_004516168.1	Scaffold787	454504	TT	GG	1940469453
SNP_P1_208015_459642	NW_004516168.1	Scaffold787	459642	AA	GG	1940469454

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208016_460119	NW_004516168.1	Scaffold787	460119	AA	GG	1940469455
SNP_P1_208017_460171	NW_004516168.1	Scaffold787	460171	GG	AA	1940469456
SNP_P1_208018_460205	NW_004516168.1	Scaffold787	460205	GG	AA	1940469457
SNP_P1_208019_460249	NW_004516168.1	Scaffold787	460249	CC	AA	1940469458
SNP_P1_208020_460259	NW_004516168.1	Scaffold787	460259	TT	CC	1940469459
SNP_P1_208021_460279	NW_004516168.1	Scaffold787	460279	TT	AA	1940469460
SNP_P1_208022_460367	NW_004516168.1	Scaffold787	460367	AA	TT	1940469461
SNP_P1_208023_460406	NW_004516168.1	Scaffold787	460406	GG	AA	1940469462
SNP_P1_208024_460579	NW_004516168.1	Scaffold787	460579	TT	CC	1940469463
SNP_P1_208025_460580	NW_004516168.1	Scaffold787	460580	TT	CC	1940469464
SNP_P1_208029_465633	NW_004516168.1	Scaffold787	465633	GG	AA	1940469465
SNP_P1_208031_466051	NW_004516168.1	Scaffold787	466051	AA	GG	1940469466
SNP_P1_208032_466544	NW_004516168.1	Scaffold787	466544	AA	TT	1940469467
SNP_P1_208033_469377	NW_004516168.1	Scaffold787	469377	AA	GG	1940469468
SNP_P1_208034_469378	NW_004516168.1	Scaffold787	469378	CC	TT	1940469469
SNP_P1_208036_469586	NW_004516168.1	Scaffold787	469586	AA	GG	1940469470
SNP_P1_208037_469588	NW_004516168.1	Scaffold787	469588	CC	GG	1940469471
SNP_P1_208038_470220	NW_004516168.1	Scaffold787	470220	GG	AA	1940469472
SNP_P1_208039_470999	NW_004516168.1	Scaffold787	470999	GG	TT	1940469473
SNP_P1_208040_472882	NW_004516168.1	Scaffold787	472882	GG	AA	1940469474
SNP_P1_208041_472913	NW_004516168.1	Scaffold787	472913	GG	TT	1940469475
SNP_P1_208043_472996	NW_004516168.1	Scaffold787	472996	GG	TT	1940469476
SNP_P1_208044_473029	NW_004516168.1	Scaffold787	473029	CC	TT	1940469477
SNP_P1_208045_473367	NW_004516168.1	Scaffold787	473367	CC	TT	1940469478
SNP_P1_208046_474363	NW_004516168.1	Scaffold787	474363	TT	AA	1940469479
SNP_P1_208047_474365	NW_004516168.1	Scaffold787	474365	AA	CC	1940469480
SNP_P1_208048_2377	NW_004516169.1	Scaffold789	2377	AA	GG	1940469481
SNP_P1_208049_5544	NW_004516169.1	Scaffold789	5544	CC	GG	1940469482
SNP_P1_208050_8993	NW_004516169.1	Scaffold789	8993	GG	AA	1940469483
SNP_P1_208051_13761	NW_004516169.1	Scaffold789	13761	TT	GG	1940469484
SNP_P1_208052_13771	NW_004516169.1	Scaffold789	13771	TT	CC	1940469485
SNP_P1_208053_13796	NW_004516169.1	Scaffold789	13796	AA	GG	1940469486
SNP_P1_208054_13799	NW_004516169.1	Scaffold789	13799	AA	GG	1940469487
SNP_P1_208055_13833	NW_004516169.1	Scaffold789	13833	AA	GG	1940469488
SNP_P1_208056_13847	NW_004516169.1	Scaffold789	13847	GG	AA	1940469489
SNP_P1_208057_14248	NW_004516169.1	Scaffold789	14248	GG	AA	1940469490
SNP_P1_208058_17237	NW_004516169.1	Scaffold789	17237	GG	AA	1940469491
SNP_P1_208059_17574	NW_004516169.1	Scaffold789	17574	AA	GG	1940469492
SNP_P1_208060_17599	NW_004516169.1	Scaffold789	17599	TT	CC	1940469493
SNP_P1_208061_17601	NW_004516169.1	Scaffold789	17601	TT	CC	1940469494
SNP_P1_208062_17643	NW_004516169.1	Scaffold789	17643	CC	GG	1940469495
SNP_P1_208063_17652	NW_004516169.1	Scaffold789	17652	TT	GG	1940469496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208064_17663	NW_004516169.1	Scaffold789	17663	AA	CC	1940469497
SNP_P1_208065_23121	NW_004516169.1	Scaffold789	23121	GG	TT	1940469498
SNP_P1_208066_26724	NW_004516169.1	Scaffold789	26724	AA	GG	1940469499
SNP_P1_208067_26824	NW_004516169.1	Scaffold789	26824	AA	GG	1940469500
SNP_P1_208068_26825	NW_004516169.1	Scaffold789	26825	GG	TT	1940469501
SNP_P1_208069_26855	NW_004516169.1	Scaffold789	26855	TT	GG	1940469502
SNP_P1_208070_28580	NW_004516169.1	Scaffold789	28580	TT	GG	1940469503
SNP_P1_208071_28691	NW_004516169.1	Scaffold789	28691	CC	GG	1940469504
SNP_P1_208072_34609	NW_004516169.1	Scaffold789	34609	TT	AA	1940469505
SNP_P1_208073_35039	NW_004516169.1	Scaffold789	35039	TT	AA	1940469506
SNP_P1_208074_35040	NW_004516169.1	Scaffold789	35040	TT	CC	1940469507
SNP_P1_208076_42278	NW_004516169.1	Scaffold789	42278	CC	TT	1940469508
SNP_P1_208077_43359	NW_004516169.1	Scaffold789	43359	GG	TT	1940469509
SNP_P1_208078_57961	NW_004516169.1	Scaffold789	57961	AA	TT	1940469510
SNP_P1_208079_61619	NW_004516169.1	Scaffold789	61619	TT	AA	1940469511
SNP_P1_208080_62884	NW_004516169.1	Scaffold789	62884	TT	AA	1940469512
SNP_P1_208081_62993	NW_004516169.1	Scaffold789	62993	TT	AA	1940469513
SNP_P1_208082_62994	NW_004516169.1	Scaffold789	62994	CC	TT	1940469514
SNP_P1_208083_63474	NW_004516169.1	Scaffold789	63474	CC	TT	1940469515
SNP_P1_208084_63485	NW_004516169.1	Scaffold789	63485	TT	AA	1940469516
SNP_P1_208085_1369	NW_004516170.1	Scaffold793	1369	AA	CC	1940469517
SNP_P1_208086_38247	NW_004516170.1	Scaffold793	38247	TT	GG	1940469518
SNP_P1_208087_38248	NW_004516170.1	Scaffold793	38248	TT	AA	1940469519
SNP_P1_208088_38998	NW_004516170.1	Scaffold793	38998	TT	AA	1940469520
SNP_P1_208089_39007	NW_004516170.1	Scaffold793	39007	TT	GG	1940469521
SNP_P1_208090_39055	NW_004516170.1	Scaffold793	39055	CC	AA	1940469522
SNP_P1_208091_39105	NW_004516170.1	Scaffold793	39105	TT	AA	1940469523
SNP_P1_208092_39145	NW_004516170.1	Scaffold793	39145	CC	TT	1940469524
SNP_P1_208093_39298	NW_004516170.1	Scaffold793	39298	AA	GG	1940469525
SNP_P1_208094_39305	NW_004516170.1	Scaffold793	39305	CC	TT	1940469526
SNP_P1_208096_57356	NW_004516170.1	Scaffold793	57356	CC	TT	1940469527
SNP_P1_208097_58802	NW_004516170.1	Scaffold793	58802	GG	AA	1940469528
SNP_P1_208098_65385	NW_004516170.1	Scaffold793	65385	TT	GG	1940469529
SNP_P1_208099_73642	NW_004516170.1	Scaffold793	73642	TT	CC	1940469530
SNP_P1_208100_79012	NW_004516170.1	Scaffold793	79012	AA	CC	1940469531
SNP_P1_208101_87288	NW_004516170.1	Scaffold793	87288	AA	GG	1940469532
SNP_P1_208102_87478	NW_004516170.1	Scaffold793	87478	TT	AA	1940469533
SNP_P1_208103_93994	NW_004516170.1	Scaffold793	93994	AA	GG	1940469534
SNP_P1_208104_103841	NW_004516170.1	Scaffold793	103841	TT	AA	1940469535
SNP_P1_208105_107246	NW_004516170.1	Scaffold793	107246	TT	CC	1940469536
SNP_P1_208106_107622	NW_004516170.1	Scaffold793	107622	CC	AA	1940469537
SNP_P1_208107_107682	NW_004516170.1	Scaffold793	107682	CC	TT	1940469538

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208109_125252	NW_004516170.1	Scaffold793	125252	AA	TT	1940469539
SNP_P1_208110_126313	NW_004516170.1	Scaffold793	126313	AA	GG	1940469540
SNP_P1_208111_126324	NW_004516170.1	Scaffold793	126324	TT	CC	1940469541
SNP_P1_208112_126937	NW_004516170.1	Scaffold793	126937	GG	CC	1940469542
SNP_P1_208113_126954	NW_004516170.1	Scaffold793	126954	AA	TT	1940469543
SNP_P1_208115_127069	NW_004516170.1	Scaffold793	127069	AA	GG	1940469544
SNP_P1_208116_127072	NW_004516170.1	Scaffold793	127072	CC	TT	1940469545
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SNP_P1_208118_127110	NW_004516170.1	Scaffold793	127110	TT	CC	1940469547
SNP_P1_208119_127234	NW_004516170.1	Scaffold793	127234	GG	AA	1940469548
SNP_P1_208120_127236	NW_004516170.1	Scaffold793	127236	CC	TT	1940469549
SNP_P1_208121_127559	NW_004516170.1	Scaffold793	127559	CC	TT	1940469550
SNP_P1_208122_128215	NW_004516170.1	Scaffold793	128215	GG	AA	1940469551
SNP_P1_208123_128327	NW_004516170.1	Scaffold793	128327	GG	CC	1940469552
SNP_P1_208124_128331	NW_004516170.1	Scaffold793	128331	AA	GG	1940469553
SNP_P1_208125_128386	NW_004516170.1	Scaffold793	128386	TT	CC	1940469554
SNP_P1_208127_132714	NW_004516170.1	Scaffold793	132714	GG	TT	1940469555
SNP_P1_208129_139061	NW_004516170.1	Scaffold793	139061	CC	TT	1940469556
SNP_P1_208130_152790	NW_004516170.1	Scaffold793	152790	AA	GG	1940469557
SNP_P1_208131_152794	NW_004516170.1	Scaffold793	152794	AA	GG	1940469558
SNP_P1_208132_158298	NW_004516170.1	Scaffold793	158298	AA	GG	1940469559
SNP_P1_208133_178633	NW_004516170.1	Scaffold793	178633	TT	CC	1940469560
SNP_P1_208134_180243	NW_004516170.1	Scaffold793	180243	AA	GG	1940469561
SNP_P1_208135_180247	NW_004516170.1	Scaffold793	180247	GG	TT	1940469562
SNP_P1_208136_192634	NW_004516170.1	Scaffold793	192634	CC	TT	1940469563
SNP_P1_208137_192820	NW_004516170.1	Scaffold793	192820	GG	AA	1940469564
SNP_P1_208138_193158	NW_004516170.1	Scaffold793	193158	TT	CC	1940469565
SNP_P1_208139_194190	NW_004516170.1	Scaffold793	194190	CC	TT	1940469566
SNP_P1_208140_194288	NW_004516170.1	Scaffold793	194288	AA	TT	1940469567
SNP_P1_208141_194289	NW_004516170.1	Scaffold793	194289	TT	CC	1940469568
SNP_P1_208142_194294	NW_004516170.1	Scaffold793	194294	AA	TT	1940469569
SNP_P1_208143_194301	NW_004516170.1	Scaffold793	194301	TT	CC	1940469570
SNP_P1_208145_208544	NW_004516170.1	Scaffold793	208544	GG	AA	1940469571
SNP_P1_208146_208565	NW_004516170.1	Scaffold793	208565	TT	GG	1940469572
SNP_P1_208147_208597	NW_004516170.1	Scaffold793	208597	TT	GG	1940469573
SNP_P1_208148_208752	NW_004516170.1	Scaffold793	208752	GG	TT	1940469574
SNP_P1_208149_210559	NW_004516170.1	Scaffold793	210559	CC	TT	1940469575
SNP_P1_208150_217109	NW_004516170.1	Scaffold793	217109	CC	TT	1940469576
SNP_P1_208151_241596	NW_004516170.1	Scaffold793	241596	CC	TT	1940469577
SNP_P1_208152_241912	NW_004516170.1	Scaffold793	241912	AA	TT	1940469578
SNP_P1_208154_248509	NW_004516170.1	Scaffold793	248509	CC	GG	1940469579
SNP_P1_208155_248785	NW_004516170.1	Scaffold793	248785	AA	CC	1940469580

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208157_38156	NW_004516171.1	Scaffold794	38156	AA	GG	1940469581
SNP_P1_208159_59960	NW_004516171.1	Scaffold794	59960	AA	GG	1940469582
SNP_P1_208160_62118	NW_004516171.1	Scaffold794	62118	AA	GG	1940469583
SNP_P1_208161_67536	NW_004516171.1	Scaffold794	67536	TT	CC	1940469584
SNP_P1_208162_79649	NW_004516171.1	Scaffold794	79649	TT	CC	1940469585
SNP_P1_208163_79825	NW_004516171.1	Scaffold794	79825	AA	TT	1940469586
SNP_P1_208164_81634	NW_004516171.1	Scaffold794	81634	GG	TT	1940469587
SNP_P1_208165_81639	NW_004516171.1	Scaffold794	81639	GG	AA	1940469588
SNP_P1_208167_137243	NW_004516171.1	Scaffold794	137243	AA	CC	1940469589
SNP_P1_208168_137276	NW_004516171.1	Scaffold794	137276	AA	GG	1940469590
SNP_P1_208169_137741	NW_004516171.1	Scaffold794	137741	AA	GG	1940469591
SNP_P1_208170_137742	NW_004516171.1	Scaffold794	137742	GG	CC	1940469592
SNP_P1_208171_137778	NW_004516171.1	Scaffold794	137778	TT	CC	1940469593
SNP_P1_208172_137917	NW_004516171.1	Scaffold794	137917	CC	TT	1940469594
SNP_P1_208173_137943	NW_004516171.1	Scaffold794	137943	TT	CC	1940469595
SNP_P1_208174_138036	NW_004516171.1	Scaffold794	138036	AA	TT	1940469596
SNP_P1_208175_138050	NW_004516171.1	Scaffold794	138050	CC	TT	1940469597
SNP_P1_208176_138064	NW_004516171.1	Scaffold794	138064	GG	CC	1940469598
SNP_P1_208177_138126	NW_004516171.1	Scaffold794	138126	GG	AA	1940469600
SNP_P1_208179_138149	NW_004516171.1	Scaffold794	138149	GG	AA	1940469601
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SNP_P1_208181_138215	NW_004516171.1	Scaffold794	138215	GG	AA	1940469603
SNP_P1_208182_138281	NW_004516171.1	Scaffold794	138281	TT	CC	1940469604
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SNP_P1_208184_138367	NW_004516171.1	Scaffold794	138367	GG	AA	1940469606
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SNP_P1_208186_138502	NW_004516171.1	Scaffold794	138502	TT	GG	1940469608
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SNP_P1_208193_163723	NW_004516171.1	Scaffold794	163723	CC	TT	1940469614
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SNP_P1_208195_163737	NW_004516171.1	Scaffold794	163737	AA	GG	1940469616
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SNP_P1_208197_168977	NW_004516171.1	Scaffold794	168977	CC	TT	1940469618
SNP_P1_208198_169062	NW_004516171.1	Scaffold794	169062	TT	AA	1940469619
SNP_P1_208199_169354	NW_004516171.1	Scaffold794	169354	AA	CC	1940469620
SNP_P1_208200_169376	NW_004516171.1	Scaffold794	169376	AA	CC	1940469621
SNP_P1_208201_169415	NW_004516171.1	Scaffold794	169415	GG	TT	1940469622
SNP_P1_208202_171602	NW_004516171.1	Scaffold794	171602	AA	GG	1940469623

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_208204_194660	NW_004516171.1	Scaffold794	194660	CC	TT	1940469625
SNP_P1_208205_194675	NW_004516171.1	Scaffold794	194675	GG	AA	1940469626
SNP_P1_208206_194866	NW_004516171.1	Scaffold794	194866	CC	TT	1940469627
SNP_P1_208207_194868	NW_004516171.1	Scaffold794	194868	TT	GG	1940469628
SNP_P1_208208_194916	NW_004516171.1	Scaffold794	194916	AA	TT	1940469629
SNP_P1_208209_195005	NW_004516171.1	Scaffold794	195005	GG	CC	1940469630
SNP_P1_208211_196886	NW_004516171.1	Scaffold794	196886	TT	AA	1940469631
SNP_P1_208212_197018	NW_004516171.1	Scaffold794	197018	TT	GG	1940469632
SNP_P1_208213_201991	NW_004516171.1	Scaffold794	201991	GG	AA	1940469633
SNP_P1_208214_209152	NW_004516171.1	Scaffold794	209152	AA	CC	1940469634
SNP_P1_208215_210207	NW_004516171.1	Scaffold794	210207	AA	TT	1940469635
SNP_P1_208216_221224	NW_004516171.1	Scaffold794	221224	CC	TT	1940469636
SNP_P1_208217_221460	NW_004516171.1	Scaffold794	221460	AA	GG	1940469637
SNP_P1_208218_222103	NW_004516171.1	Scaffold794	222103	AA	CC	1940469638
SNP_P1_208219_227420	NW_004516171.1	Scaffold794	227420	CC	AA	1940469639
SNP_P1_208220_227754	NW_004516171.1	Scaffold794	227754	TT	CC	1940469640
SNP_P1_208221_231910	NW_004516171.1	Scaffold794	231910	CC	TT	1940469641
SNP_P1_208222_243067	NW_004516171.1	Scaffold794	243067	AA	GG	1940469642
SNP_P1_208223_243264	NW_004516171.1	Scaffold794	243264	TT	AA	1940469643
SNP_P1_208224_243322	NW_004516171.1	Scaffold794	243322	TT	CC	1940469644
SNP_P1_208225_243323	NW_004516171.1	Scaffold794	243323	GG	AA	1940469645
SNP_P1_208226_243412	NW_004516171.1	Scaffold794	243412	GG	TT	1940469646
SNP_P1_208227_243417	NW_004516171.1	Scaffold794	243417	GG	TT	1940469647
SNP_P1_208228_243514	NW_004516171.1	Scaffold794	243514	TT	GG	1940469648
SNP_P1_208229_243809	NW_004516171.1	Scaffold794	243809	TT	CC	1940469649
SNP_P1_208230_243810	NW_004516171.1	Scaffold794	243810	AA	TT	1940469650
SNP_P1_208231_243814	NW_004516171.1	Scaffold794	243814	AA	GG	1940469651
SNP_P1_208232_244328	NW_004516171.1	Scaffold794	244328	CC	AA	1940469652
SNP_P1_208233_244650	NW_004516171.1	Scaffold794	244650	GG	AA	1940469653
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SNP_P1_208235_245250	NW_004516171.1	Scaffold794	245250	CC	AA	1940469655
SNP_P1_208236_245299	NW_004516171.1	Scaffold794	245299	AA	GG	1940469656
SNP_P1_208237_245451	NW_004516171.1	Scaffold794	245451	TT	AA	1940469657
SNP_P1_208238_245462	NW_004516171.1	Scaffold794	245462	GG	CC	1940469658
SNP_P1_208239_245539	NW_004516171.1	Scaffold794	245539	TT	GG	1940469659
SNP_P1_208240_245686	NW_004516171.1	Scaffold794	245686	AA	GG	1940469660
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SNP_P1_208242_245698	NW_004516171.1	Scaffold794	245698	CC	AA	1940469662
SNP_P1_208243_245859	NW_004516171.1	Scaffold794	245859	CC	AA	1940469663
SNP_P1_208244_245902	NW_004516171.1	Scaffold794	245902	GG	AA	1940469664
SNP_P1_208245_245989	NW_004516171.1	Scaffold794	245989	AA	TT	1940469665

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_208247_246052	NW_004516171.1	Scaffold794	246052	GG	AA	1940469667
SNP_P1_208248_252293	NW_004516171.1	Scaffold794	252293	GG	AA	1940469668
SNP_P1_208249_258899	NW_004516171.1	Scaffold794	258899	CC	AA	1940469669
SNP_P1_208250_258920	NW_004516171.1	Scaffold794	258920	CC	TT	1940469670
SNP_P1_208252_258973	NW_004516171.1	Scaffold794	258973	AA	GG	1940469671
SNP_P1_208253_259027	NW_004516171.1	Scaffold794	259027	AA	GG	1940469672
SNP_P1_208254_259028	NW_004516171.1	Scaffold794	259028	AA	GG	1940469673
SNP_P1_208255_259330	NW_004516171.1	Scaffold794	259330	TT	CC	1940469674
SNP_P1_208256_259346	NW_004516171.1	Scaffold794	259346	TT	CC	1940469675
SNP_P1_208257_259352	NW_004516171.1	Scaffold794	259352	AA	GG	1940469676
SNP_P1_208258_7132	NW_004516173.1	Scaffold796	7132	AA	CC	1940469677
SNP_P1_208259_7292	NW_004516173.1	Scaffold796	7292	CC	TT	1940469678
SNP_P1_208260_7349	NW_004516173.1	Scaffold796	7349	TT	AA	1940469679
SNP_P1_208261_7387	NW_004516173.1	Scaffold796	7387	AA	GG	1940469680
SNP_P1_208262_7407	NW_004516173.1	Scaffold796	7407	TT	GG	1940469681
SNP_P1_208264_7536	NW_004516173.1	Scaffold796	7536	TT	CC	1940469682
SNP_P1_208265_7697	NW_004516173.1	Scaffold796	7697	TT	CC	1940469683
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SNP_P1_208269_20781	NW_004516173.1	Scaffold796	20781	CC	GG	1940469687
SNP_P1_208270_20854	NW_004516173.1	Scaffold796	20854	CC	TT	1940469688
SNP_P1_208271_21886	NW_004516173.1	Scaffold796	21886	TT	AA	1940469689
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SNP_P1_208273_24571	NW_004516173.1	Scaffold796	24571	CC	GG	1940469691
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SNP_P1_208276_28038	NW_004516173.1	Scaffold796	28038	AA	GG	1940469693
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SNP_P1_208279_14764	NW_004516174.1	Scaffold797	14764	TT	CC	1940469695
SNP_P1_208280_14797	NW_004516174.1	Scaffold797	14797	AA	TT	1940469696
SNP_P1_208281_14925	NW_004516174.1	Scaffold797	14925	GG	AA	1940469697
SNP_P1_208282_14969	NW_004516174.1	Scaffold797	14969	AA	GG	1940469698
SNP_P1_208284_15351	NW_004516174.1	Scaffold797	15351	CC	TT	1940469699
SNP_P1_208285_16081	NW_004516174.1	Scaffold797	16081	CC	TT	1940469700
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SNP_P1_208287_16138	NW_004516174.1	Scaffold797	16138	AA	GG	1940469702
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SNP_P1_208289_53626	NW_004516174.1	Scaffold797	53626	CC	AA	1940469704
SNP_P1_208290_53639	NW_004516174.1	Scaffold797	53639	CC	AA	1940469705
SNP_P1_208291_53714	NW_004516174.1	Scaffold797	53714	TT	AA	1940469706
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_208294_53874	NW_004516174.1	Scaffold797	53874	TT	AA	1940469709
SNP_P1_208295_53892	NW_004516174.1	Scaffold797	53892	CC	AA	1940469710
SNP_P1_208296_53904	NW_004516174.1	Scaffold797	53904	GG	CC	1940469711
SNP_P1_208297_53911	NW_004516174.1	Scaffold797	53911	TT	GG	1940469712
SNP_P1_208298_54008	NW_004516174.1	Scaffold797	54008	AA	GG	1940469713
SNP_P1_208299_54019	NW_004516174.1	Scaffold797	54019	AA	TT	1940469714
SNP_P1_208300_58204	NW_004516174.1	Scaffold797	58204	TT	CC	1940469715
SNP_P1_208301_1308	NW_004516175.1	Scaffold798	1308	GG	TT	1940469716
SNP_P1_208302_1309	NW_004516175.1	Scaffold798	1309	TT	CC	1940469717
SNP_P1_208303_1328	NW_004516175.1	Scaffold798	1328	CC	AA	1940469718
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SNP_P1_208305_1346	NW_004516175.1	Scaffold798	1346	AA	CC	1940469720
SNP_P1_208306_1353	NW_004516175.1	Scaffold798	1353	AA	CC	1940469721
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SNP_P1_208312_17278	NW_004516175.1	Scaffold798	17278	CC	TT	1940469725
SNP_P1_208313_17310	NW_004516175.1	Scaffold798	17310	TT	CC	1940469726
SNP_P1_208314_29525	NW_004516175.1	Scaffold798	29525	CC	TT	1940469727
SNP_P1_208315_32029	NW_004516175.1	Scaffold798	32029	AA	CC	1940469728
SNP_P1_208316_32223	NW_004516175.1	Scaffold798	32223	GG	AA	1940469729
SNP_P1_208317_32244	NW_004516175.1	Scaffold798	32244	TT	CC	1940469730
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SNP_P1_208321_54068	NW_004516175.1	Scaffold798	54068	AA	GG	1940469735
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SNP_P1_208328_60772	NW_004516175.1	Scaffold798	60772	CC	TT	1940469742
SNP_P1_208329_60822	NW_004516175.1	Scaffold798	60822	AA	TT	1940469743
SNP_P1_208330_63773	NW_004516175.1	Scaffold798	63773	AA	GG	1940469744
SNP_P1_208331_63967	NW_004516175.1	Scaffold798	63967	AA	GG	1940469745
SNP_P1_208332_64015	NW_004516175.1	Scaffold798	64015	AA	CC	1940469746
SNP_P1_208333_64021	NW_004516175.1	Scaffold798	64021	TT	AA	1940469747
SNP_P1_208334_983	NW_004516176.1	Scaffold799	983	TT	CC	1940469748
SNP_P1_208335_19623	NW_004516176.1	Scaffold799	19623	GG	AA	1940469749
SNP_P1_208336_4345	NW_004516178.1	Scaffold801	4345	GG	TT	1940469750

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_208339_11105	NW_004516178.1	Scaffold801	11105	CC	GG	1940469752
SNP_P1_208341_11479	NW_004516178.1	Scaffold801	11479	TT	CC	1940469753
SNP_P1_208342_13169	NW_004516178.1	Scaffold801	13169	CC	TT	1940469754
SNP_P1_208343_13247	NW_004516178.1	Scaffold801	13247	TT	CC	1940469755
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SNP_P1_208346_24122	NW_004516178.1	Scaffold801	24122	CC	AA	1940469758
SNP_P1_208347_24468	NW_004516178.1	Scaffold801	24468	AA	CC	1940469759
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SNP_P1_208350_32886	NW_004516178.1	Scaffold801	32886	GG	TT	1940469761
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SNP_P1_208356_38195	NW_004516178.1	Scaffold801	38195	AA	GG	1940469767
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SNP_P1_208359_38208	NW_004516178.1	Scaffold801	38208	GG	AA	1940469770
SNP_P1_208360_38212	NW_004516178.1	Scaffold801	38212	CC	TT	1940469771
SNP_P1_208361_38221	NW_004516178.1	Scaffold801	38221	AA	GG	1940469772
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SNP_P1_208364_38327	NW_004516178.1	Scaffold801	38327	AA	TT	1940469775
SNP_P1_208365_38350	NW_004516178.1	Scaffold801	38350	AA	GG	1940469776
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SNP_P1_208370_43483	NW_004516178.1	Scaffold801	43483	TT	CC	1940469779
SNP_P1_208371_45148	NW_004516178.1	Scaffold801	45148	GG	AA	1940469780
SNP_P1_208372_45839	NW_004516178.1	Scaffold801	45839	CC	TT	1940469781
SNP_P1_208373_47901	NW_004516178.1	Scaffold801	47901	CC	TT	1940469782
SNP_P1_208374_48003	NW_004516178.1	Scaffold801	48003	AA	GG	1940469783
SNP_P1_208375_48004	NW_004516178.1	Scaffold801	48004	TT	CC	1940469784
SNP_P1_208376_48071	NW_004516178.1	Scaffold801	48071	TT	CC	1940469785
SNP_P1_208377_48081	NW_004516178.1	Scaffold801	48081	AA	GG	1940469786
SNP_P1_208378_48157	NW_004516178.1	Scaffold801	48157	AA	GG	1940469787
SNP_P1_208379_52124	NW_004516178.1	Scaffold801	52124	GG	TT	1940469788
SNP_P1_208380_53222	NW_004516178.1	Scaffold801	53222	AA	GG	1940469789
SNP_P1_208381_53265	NW_004516178.1	Scaffold801	53265	AA	TT	1940469790
SNP_P1_208382_53301	NW_004516178.1	Scaffold801	53301	CC	AA	1940469791
SNP_P1_208383_54654	NW_004516178.1	Scaffold801	54654	CC	TT	1940469792

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208384_55285	NW_004516178.1	Scaffold801	55285	TT	GG	1940469793
SNP_P1_208385_56461	NW_004516178.1	Scaffold801	56461	TT	CC	1940469794
SNP_P1_208386_59766	NW_004516178.1	Scaffold801	59766	CC	AA	1940469795
SNP_P1_208387_64221	NW_004516178.1	Scaffold801	64221	TT	GG	1940469796
SNP_P1_208388_65333	NW_004516178.1	Scaffold801	65333	AA	CC	1940469797
SNP_P1_208389_73576	NW_004516178.1	Scaffold801	73576	AA	GG	1940469798
SNP_P1_208391_76381	NW_004516178.1	Scaffold801	76381	GG	TT	1940469799
SNP_P1_208392_78508	NW_004516178.1	Scaffold801	78508	CC	TT	1940469800
SNP_P1_208393_79210	NW_004516178.1	Scaffold801	79210	CC	TT	1940469801
SNP_P1_208394_81818	NW_004516178.1	Scaffold801	81818	TT	AA	1940469802
SNP_P1_208395_81847	NW_004516178.1	Scaffold801	81847	TT	CC	1940469803
SNP_P1_208396_81869	NW_004516178.1	Scaffold801	81869	GG	AA	1940469804
SNP_P1_208397_81873	NW_004516178.1	Scaffold801	81873	GG	AA	1940469805
SNP_P1_208398_82044	NW_004516178.1	Scaffold801	82044	CC	TT	1940469806
SNP_P1_208399_82598	NW_004516178.1	Scaffold801	82598	GG	AA	1940469807
SNP_P1_208400_83178	NW_004516178.1	Scaffold801	83178	CC	TT	1940469808
SNP_P1_208401_83757	NW_004516178.1	Scaffold801	83757	CC	TT	1940469809
SNP_P1_208403_84115	NW_004516178.1	Scaffold801	84115	TT	CC	1940469810
SNP_P1_208405_89948	NW_004516178.1	Scaffold801	89948	AA	GG	1940469811
SNP_P1_208406_91722	NW_004516178.1	Scaffold801	91722	TT	CC	1940469812
SNP_P1_208407_91759	NW_004516178.1	Scaffold801	91759	TT	GG	1940469813
SNP_P1_208408_92194	NW_004516178.1	Scaffold801	92194	CC	TT	1940469814
SNP_P1_208409_95496	NW_004516178.1	Scaffold801	95496	AA	TT	1940469815
SNP_P1_208410_95671	NW_004516178.1	Scaffold801	95671	CC	TT	1940469816
SNP_P1_208411_95672	NW_004516178.1	Scaffold801	95672	CC	TT	1940469817
SNP_P1_208412_95875	NW_004516178.1	Scaffold801	95875	TT	CC	1940469818
SNP_P1_208413_96046	NW_004516178.1	Scaffold801	96046	TT	CC	1940469819
SNP_P1_208414_96217	NW_004516178.1	Scaffold801	96217	CC	TT	1940469820
SNP_P1_208415_96269	NW_004516178.1	Scaffold801	96269	TT	CC	1940469821
SNP_P1_208416_96419	NW_004516178.1	Scaffold801	96419	AA	CC	1940469822
SNP_P1_208417_96421	NW_004516178.1	Scaffold801	96421	TT	CC	1940469823
SNP_P1_208418_96445	NW_004516178.1	Scaffold801	96445	TT	CC	1940469824
SNP_P1_208419_96863	NW_004516178.1	Scaffold801	96863	GG	AA	1940469825
SNP_P1_208420_96866	NW_004516178.1	Scaffold801	96866	TT	CC	1940469826
SNP_P1_208421_96885	NW_004516178.1	Scaffold801	96885	TT	CC	1940469827
SNP_P1_208422_96968	NW_004516178.1	Scaffold801	96968	AA	GG	1940469828
SNP_P1_208423_97019	NW_004516178.1	Scaffold801	97019	CC	TT	1940469829
SNP_P1_208424_97116	NW_004516178.1	Scaffold801	97116	TT	CC	1940469830
SNP_P1_208426_111760	NW_004516178.1	Scaffold801	111760	CC	TT	1940469831
SNP_P1_208427_112051	NW_004516178.1	Scaffold801	112051	GG	AA	1940469832
SNP_P1_208428_112618	NW_004516178.1	Scaffold801	112618	GG	AA	1940469833
SNP_P1_208429_112906	NW_004516178.1	Scaffold801	112906	CC	TT	1940469834

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208430_113992	NW_004516178.1	Scaffold801	113992	AA	GG	1940469835
SNP_P1_208432_120221	NW_004516178.1	Scaffold801	120221	GG	TT	1940469836
SNP_P1_208434_124319	NW_004516178.1	Scaffold801	124319	CC	TT	1940469837
SNP_P1_208435_125943	NW_004516178.1	Scaffold801	125943	AA	GG	1940469838
SNP_P1_208436_139137	NW_004516178.1	Scaffold801	139137	AA	GG	1940469839
SNP_P1_208437_139375	NW_004516178.1	Scaffold801	139375	GG	AA	1940469840
SNP_P1_208439_151134	NW_004516178.1	Scaffold801	151134	AA	GG	1940469841
SNP_P1_208442_157283	NW_004516178.1	Scaffold801	157283	TT	CC	1940469842
SNP_P1_208443_157290	NW_004516178.1	Scaffold801	157290	TT	CC	1940469843
SNP_P1_208445_160504	NW_004516178.1	Scaffold801	160504	GG	TT	1940469844
SNP_P1_208450_161116	NW_004516178.1	Scaffold801	161116	GG	AA	1940469845
SNP_P1_208451_161181	NW_004516178.1	Scaffold801	161181	TT	CC	1940469846
SNP_P1_208452_161270	NW_004516178.1	Scaffold801	161270	GG	AA	1940469847
SNP_P1_208453_161464	NW_004516178.1	Scaffold801	161464	TT	AA	1940469848
SNP_P1_208455_164755	NW_004516178.1	Scaffold801	164755	CC	TT	1940469849
SNP_P1_208456_165741	NW_004516178.1	Scaffold801	165741	CC	TT	1940469850
SNP_P1_208457_169049	NW_004516178.1	Scaffold801	169049	AA	GG	1940469851
SNP_P1_208458_173991	NW_004516178.1	Scaffold801	173991	TT	CC	1940469852
SNP_P1_208459_175139	NW_004516178.1	Scaffold801	175139	TT	GG	1940469853
SNP_P1_208460_175357	NW_004516178.1	Scaffold801	175357	AA	GG	1940469854
SNP_P1_208461_175891	NW_004516178.1	Scaffold801	175891	CC	TT	1940469855
SNP_P1_208462_182849	NW_004516178.1	Scaffold801	182849	AA	CC	1940469856
SNP_P1_208463_186278	NW_004516178.1	Scaffold801	186278	AA	CC	1940469857
SNP_P1_208464_186289	NW_004516178.1	Scaffold801	186289	AA	GG	1940469858
SNP_P1_208465_186500	NW_004516178.1	Scaffold801	186500	CC	TT	1940469859
SNP_P1_208466_188062	NW_004516178.1	Scaffold801	188062	TT	GG	1940469860
SNP_P1_208467_188064	NW_004516178.1	Scaffold801	188064	CC	TT	1940469861
SNP_P1_208469_192081	NW_004516178.1	Scaffold801	192081	GG	AA	1940469862
SNP_P1_208471_192456	NW_004516178.1	Scaffold801	192456	CC	TT	1940469863
SNP_P1_208472_196771	NW_004516178.1	Scaffold801	196771	AA	GG	1940469864
SNP_P1_208473_200756	NW_004516178.1	Scaffold801	200756	CC	AA	1940469865
SNP_P1_208474_201105	NW_004516178.1	Scaffold801	201105	CC	TT	1940469866
SNP_P1_208475_201926	NW_004516178.1	Scaffold801	201926	CC	TT	1940469867
SNP_P1_208477_204139	NW_004516178.1	Scaffold801	204139	TT	CC	1940469868
SNP_P1_208479_210805	NW_004516178.1	Scaffold801	210805	CC	TT	1940469869
SNP_P1_208481_211608	NW_004516178.1	Scaffold801	211608	AA	GG	1940469870
SNP_P1_208482_211757	NW_004516178.1	Scaffold801	211757	AA	TT	1940469871
SNP_P1_208483_218512	NW_004516178.1	Scaffold801	218512	CC	TT	1940469872
SNP_P1_208484_219764	NW_004516178.1	Scaffold801	219764	CC	TT	1940469873
SNP_P1_208485_221071	NW_004516178.1	Scaffold801	221071	AA	GG	1940469874
SNP_P1_208487_227161	NW_004516178.1	Scaffold801	227161	AA	GG	1940469875
SNP_P1_208488_228098	NW_004516178.1	Scaffold801	228098	TT	CC	1940469876

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_208490_254103	NW_004516178.1	Scaffold801	254103	GG	AA	1940469878
SNP_P1_208491_256706	NW_004516178.1	Scaffold801	256706	CC	TT	1940469879
SNP_P1_208492_260712	NW_004516178.1	Scaffold801	260712	CC	AA	1940469880
SNP_P1_208493_260855	NW_004516178.1	Scaffold801	260855	CC	AA	1940469881
SNP_P1_208496_465	NW_004516179.1	Scaffold802	465	CC	AA	1940469882
SNP_P1_208497_920	NW_004516179.1	Scaffold802	920	TT	GG	1940469883
SNP_P1_208498_1081	NW_004516179.1	Scaffold802	1081	GG	TT	1940469884
SNP_P1_208499_1373	NW_004516179.1	Scaffold802	1373	AA	TT	1940469885
SNP_P1_208500_1401	NW_004516179.1	Scaffold802	1401	AA	GG	1940469886
SNP_P1_208501_1425	NW_004516179.1	Scaffold802	1425	AA	GG	1940469887
SNP_P1_208503_15508	NW_004516179.1	Scaffold802	15508	TT	AA	1940469888
SNP_P1_208504_29559	NW_004516179.1	Scaffold802	29559	GG	AA	1940469889
SNP_P1_208505_32326	NW_004516179.1	Scaffold802	32326	AA	GG	1940469890
SNP_P1_208506_32335	NW_004516179.1	Scaffold802	32335	TT	AA	1940469891
SNP_P1_208507_38665	NW_004516180.1	Scaffold803	38665	AA	TT	1940469892
SNP_P1_208509_39039	NW_004516180.1	Scaffold803	39039	CC	TT	1940469893
SNP_P1_208510_39080	NW_004516180.1	Scaffold803	39080	CC	TT	1940469894
SNP_P1_208511_39253	NW_004516180.1	Scaffold803	39253	CC	AA	1940469895
SNP_P1_208512_39257	NW_004516180.1	Scaffold803	39257	TT	CC	1940469896
SNP_P1_208513_46933	NW_004516180.1	Scaffold803	46933	AA	CC	1940469897
SNP_P1_208514_47980	NW_004516180.1	Scaffold803	47980	AA	TT	1940469898
SNP_P1_208515_48323	NW_004516180.1	Scaffold803	48323	GG	AA	1940469900
SNP_P1_208516_48916	NW_004516180.1	Scaffold803	48916	AA	GG	1940469901
SNP_P1_208517_51025	NW_004516180.1	Scaffold803	51025	CC	GG	1940469902
SNP_P1_208518_51339	NW_004516180.1	Scaffold803	51339	TT	AA	1940469903
SNP_P1_208519_51861	NW_004516180.1	Scaffold803	51861	AA	CC	1940469904
SNP_P1_208520_51944	NW_004516180.1	Scaffold803	51944	CC	AA	1940469905
SNP_P1_208521_52332	NW_004516180.1	Scaffold803	52332	AA	GG	1940469906
SNP_P1_208522_64223	NW_004516180.1	Scaffold803	64223	GG	CC	1940469907
SNP_P1_208523_323	NW_004516181.1	Scaffold806	323	AA	CC	1940469908
SNP_P1_208524_568	NW_004516181.1	Scaffold806	568	CC	TT	1940469909
SNP_P1_208525_598	NW_004516181.1	Scaffold806	598	TT	CC	1940469910
SNP_P1_208526_625	NW_004516181.1	Scaffold806	625	AA	GG	1940469911
SNP_P1_208527_705	NW_004516181.1	Scaffold806	705	AA	GG	1940469912
SNP_P1_208528_899	NW_004516181.1	Scaffold806	899	AA	TT	1940469913
SNP_P1_208529_926	NW_004516181.1	Scaffold806	926	AA	GG	1940469914
SNP_P1_208530_970	NW_004516181.1	Scaffold806	970	CC	TT	1940469915
SNP_P1_208531_1204	NW_004516181.1	Scaffold806	1204	CC	TT	1940469916
SNP_P1_208532_1219	NW_004516181.1	Scaffold806	1219	CC	TT	1940469917
SNP_P1_208533_7682	NW_004516181.1	Scaffold806	7682	AA	GG	1940469918
SNP_P1_208534_9959	NW_004516181.1	Scaffold806	9959	TT	AA	1940469919

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208535_10444	NW_004516181.1	Scaffold806	10444	CC	TT	1940469920
SNP_P1_208536_14635	NW_004516181.1	Scaffold806	14635	TT	CC	1940469921
SNP_P1_208537_14638	NW_004516181.1	Scaffold806	14638	TT	GG	1940469922
SNP_P1_208538_14687	NW_004516181.1	Scaffold806	14687	CC	TT	1940469923
SNP_P1_208539_19771	NW_004516181.1	Scaffold806	19771	TT	CC	1940469924
SNP_P1_208540_30526	NW_004516181.1	Scaffold806	30526	AA	GG	1940469925
SNP_P1_208541_34704	NW_004516181.1	Scaffold806	34704	TT	CC	1940469926
SNP_P1_208542_36957	NW_004516181.1	Scaffold806	36957	TT	CC	1940469927
SNP_P1_208544_37513	NW_004516181.1	Scaffold806	37513	AA	GG	1940469928
SNP_P1_208545_40982	NW_004516181.1	Scaffold806	40982	CC	TT	1940469929
SNP_P1_208546_41103	NW_004516181.1	Scaffold806	41103	AA	CC	1940469930
SNP_P1_208547_45394	NW_004516181.1	Scaffold806	45394	TT	CC	1940469931
SNP_P1_208548_45554	NW_004516181.1	Scaffold806	45554	CC	TT	1940469932
SNP_P1_208549_46423	NW_004516181.1	Scaffold806	46423	AA	GG	1940469933
SNP_P1_208550_46473	NW_004516181.1	Scaffold806	46473	CC	TT	1940469934
SNP_P1_208551_49116	NW_004516181.1	Scaffold806	49116	AA	GG	1940469935
SNP_P1_208552_49129	NW_004516181.1	Scaffold806	49129	AA	GG	1940469936
SNP_P1_208553_49167	NW_004516181.1	Scaffold806	49167	CC	AA	1940469937
SNP_P1_208554_49222	NW_004516181.1	Scaffold806	49222	GG	TT	1940469938
SNP_P1_208555_49451	NW_004516181.1	Scaffold806	49451	CC	TT	1940469939
SNP_P1_208556_52193	NW_004516181.1	Scaffold806	52193	AA	CC	1940469940
SNP_P1_208557_53997	NW_004516181.1	Scaffold806	53997	GG	AA	1940469941
SNP_P1_208558_54989	NW_004516181.1	Scaffold806	54989	GG	TT	1940469942
SNP_P1_208559_56419	NW_004516181.1	Scaffold806	56419	AA	GG	1940469943
SNP_P1_208560_81506	NW_004516181.1	Scaffold806	81506	AA	GG	1940469944
SNP_P1_208561_81519	NW_004516181.1	Scaffold806	81519	TT	CC	1940469945
SNP_P1_208562_81532	NW_004516181.1	Scaffold806	81532	CC	TT	1940469946
SNP_P1_208564_81718	NW_004516181.1	Scaffold806	81718	CC	TT	1940469947
SNP_P1_208565_81790	NW_004516181.1	Scaffold806	81790	TT	CC	1940469948
SNP_P1_208566_81911	NW_004516181.1	Scaffold806	81911	TT	CC	1940469949
SNP_P1_208567_81968	NW_004516181.1	Scaffold806	81968	TT	CC	1940469950
SNP_P1_208568_81974	NW_004516181.1	Scaffold806	81974	CC	AA	1940469951
SNP_P1_208569_82255	NW_004516181.1	Scaffold806	82255	TT	AA	1940469952
SNP_P1_208570_84272	NW_004516181.1	Scaffold806	84272	GG	AA	1940469953
SNP_P1_208571_84971	NW_004516181.1	Scaffold806	84971	CC	TT	1940469954
SNP_P1_208572_86005	NW_004516181.1	Scaffold806	86005	AA	GG	1940469955
SNP_P1_208573_94527	NW_004516181.1	Scaffold806	94527	CC	AA	1940469956
SNP_P1_208574_95455	NW_004516181.1	Scaffold806	95455	CC	AA	1940469957
SNP_P1_208575_95470	NW_004516181.1	Scaffold806	95470	AA	GG	1940469958
SNP_P1_208576_95538	NW_004516181.1	Scaffold806	95538	CC	TT	1940469959
SNP_P1_208578_96463	NW_004516181.1	Scaffold806	96463	GG	CC	1940469960
SNP_P1_208579_96513	NW_004516181.1	Scaffold806	96513	GG	AA	1940469961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_208582_98764	NW_004516181.1	Scaffold806	98764	AA	GG	1940469964
SNP_P1_208583_98770	NW_004516181.1	Scaffold806	98770	AA	GG	1940469965
SNP_P1_208584_98773	NW_004516181.1	Scaffold806	98773	AA	GG	1940469966
SNP_P1_208585_99102	NW_004516181.1	Scaffold806	99102	CC	GG	1940469967
SNP_P1_208586_99106	NW_004516181.1	Scaffold806	99106	TT	CC	1940469968
SNP_P1_208587_99126	NW_004516181.1	Scaffold806	99126	CC	TT	1940469969
SNP_P1_208588_103416	NW_004516181.1	Scaffold806	103416	CC	TT	1940469970
SNP_P1_208589_103448	NW_004516181.1	Scaffold806	103448	AA	CC	1940469971
SNP_P1_208590_104112	NW_004516181.1	Scaffold806	104112	AA	GG	1940469972
SNP_P1_208591_130852	NW_004516181.1	Scaffold806	130852	AA	GG	1940469973
SNP_P1_208592_131457	NW_004516181.1	Scaffold806	131457	TT	CC	1940469974
SNP_P1_208593_131464	NW_004516181.1	Scaffold806	131464	TT	CC	1940469975
SNP_P1_208594_131501	NW_004516181.1	Scaffold806	131501	TT	GG	1940469976
SNP_P1_208595_131513	NW_004516181.1	Scaffold806	131513	AA	GG	1940469977
SNP_P1_208596_131537	NW_004516181.1	Scaffold806	131537	TT	AA	1940469978
SNP_P1_208597_131543	NW_004516181.1	Scaffold806	131543	CC	AA	1940469979
SNP_P1_208598_131583	NW_004516181.1	Scaffold806	131583	TT	GG	1940469980
SNP_P1_208599_131624	NW_004516181.1	Scaffold806	131624	TT	CC	1940469981
SNP_P1_208600_131673	NW_004516181.1	Scaffold806	131673	CC	AA	1940469982
SNP_P1_208601_131704	NW_004516181.1	Scaffold806	131704	CC	TT	1940469983
SNP_P1_208602_131773	NW_004516181.1	Scaffold806	131773	TT	CC	1940469984
SNP_P1_208603_131807	NW_004516181.1	Scaffold806	131807	TT	CC	1940469985
SNP_P1_208604_131817	NW_004516181.1	Scaffold806	131817	AA	CC	1940469986
SNP_P1_208605_131843	NW_004516181.1	Scaffold806	131843	TT	GG	1940469987
SNP_P1_208606_131899	NW_004516181.1	Scaffold806	131899	TT	CC	1940469988
SNP_P1_208607_131964	NW_004516181.1	Scaffold806	131964	GG	TT	1940469989
SNP_P1_208608_131971	NW_004516181.1	Scaffold806	131971	TT	CC	1940469990
SNP_P1_208609_131980	NW_004516181.1	Scaffold806	131980	AA	CC	1940469991
SNP_P1_208610_132020	NW_004516181.1	Scaffold806	132020	AA	CC	1940469992
SNP_P1_208611_132035	NW_004516181.1	Scaffold806	132035	TT	CC	1940469993
SNP_P1_208612_133344	NW_004516181.1	Scaffold806	133344	TT	CC	1940469994
SNP_P1_208613_133353	NW_004516181.1	Scaffold806	133353	TT	CC	1940469995
SNP_P1_208614_133542	NW_004516181.1	Scaffold806	133542	TT	CC	1940469996
SNP_P1_208615_133547	NW_004516181.1	Scaffold806	133547	CC	TT	1940469997
SNP_P1_208616_133628	NW_004516181.1	Scaffold806	133628	AA	GG	1940469998
SNP_P1_208617_133641	NW_004516181.1	Scaffold806	133641	TT	AA	1940469999
SNP_P1_208618_133665	NW_004516181.1	Scaffold806	133665	CC	TT	1940470000
SNP_P1_208619_133719	NW_004516181.1	Scaffold806	133719	CC	TT	1940470001
SNP_P1_208620_133742	NW_004516181.1	Scaffold806	133742	AA	CC	1940470002
SNP_P1_208621_3331	NW_004516182.1	Scaffold808	3331	TT	AA	1940470003

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208622_3407	NW_004516182.1	Scaffold808	3407	GG	AA	1940470004
SNP_P1_208623_4960	NW_004516182.1	Scaffold808	4960	TT	GG	1940470005
SNP_P1_208624_4992	NW_004516182.1	Scaffold808	4992	GG	AA	1940470006
SNP_P1_208625_5010	NW_004516182.1	Scaffold808	5010	GG	AA	1940470007
SNP_P1_208626_5019	NW_004516182.1	Scaffold808	5019	CC	TT	1940470008
SNP_P1_208627_5085	NW_004516182.1	Scaffold808	5085	GG	AA	1940470009
SNP_P1_208628_5109	NW_004516182.1	Scaffold808	5109	AA	GG	1940470010
SNP_P1_208629_5139	NW_004516182.1	Scaffold808	5139	CC	TT	1940470011
SNP_P1_208630_3774	NW_004516183.1	Scaffold809	3774	TT	CC	1940470012
SNP_P1_208632_56785	NW_004516183.1	Scaffold809	56785	AA	TT	1940470013
SNP_P1_208633_65711	NW_004516183.1	Scaffold809	65711	AA	GG	1940470014
SNP_P1_208634_70705	NW_004516183.1	Scaffold809	70705	TT	CC	1940470015
SNP_P1_208635_73143	NW_004516183.1	Scaffold809	73143	CC	TT	1940470016
SNP_P1_208636_73152	NW_004516183.1	Scaffold809	73152	AA	CC	1940470017
SNP_P1_208637_73406	NW_004516183.1	Scaffold809	73406	AA	TT	1940470018
SNP_P1_208638_89518	NW_004516183.1	Scaffold809	89518	CC	TT	1940470019
SNP_P1_208639_100043	NW_004516183.1	Scaffold809	100043	CC	GG	1940470020
SNP_P1_208640_100100	NW_004516183.1	Scaffold809	100100	CC	AA	1940470021
SNP_P1_208641_100400	NW_004516183.1	Scaffold809	100400	CC	AA	1940470022
SNP_P1_208642_108498	NW_004516183.1	Scaffold809	108498	CC	AA	1940470023
SNP_P1_208643_112349	NW_004516183.1	Scaffold809	112349	GG	TT	1940470024
SNP_P1_208644_115075	NW_004516183.1	Scaffold809	115075	TT	CC	1940470025
SNP_P1_208645_115143	NW_004516183.1	Scaffold809	115143	AA	TT	1940470027
SNP_P1_208646_115165	NW_004516183.1	Scaffold809	115165	TT	CC	1940470028
SNP_P1_208647_115391	NW_004516183.1	Scaffold809	115391	TT	AA	1940470029
SNP_P1_208648_115422	NW_004516183.1	Scaffold809	115422	AA	GG	1940470030
SNP_P1_208649_115479	NW_004516183.1	Scaffold809	115479	AA	GG	1940470031
SNP_P1_208650_115706	NW_004516183.1	Scaffold809	115706	GG	AA	1940470032
SNP_P1_208651_115916	NW_004516183.1	Scaffold809	115916	CC	AA	1940470033
SNP_P1_208652_116946	NW_004516183.1	Scaffold809	116946	GG	TT	1940470034
SNP_P1_208653_116947	NW_004516183.1	Scaffold809	116947	AA	CC	1940470035
SNP_P1_208654_116951	NW_004516183.1	Scaffold809	116951	AA	GG	1940470036
SNP_P1_208655_116972	NW_004516183.1	Scaffold809	116972	CC	TT	1940470037
SNP_P1_208657_131943	NW_004516183.1	Scaffold809	131943	GG	AA	1940470038
SNP_P1_208658_133028	NW_004516183.1	Scaffold809	133028	AA	TT	1940470039
SNP_P1_208659_139669	NW_004516183.1	Scaffold809	139669	CC	AA	1940470040
SNP_P1_208660_139692	NW_004516183.1	Scaffold809	139692	GG	TT	1940470041
SNP_P1_208661_140710	NW_004516183.1	Scaffold809	140710	AA	TT	1940470042
SNP_P1_208662_141071	NW_004516183.1	Scaffold809	141071	AA	CC	1940470043
SNP_P1_208663_141141	NW_004516183.1	Scaffold809	141141	AA	GG	1940470044
SNP_P1_208664_143004	NW_004516183.1	Scaffold809	143004	GG	TT	1940470045
SNP_P1_208665_148035	NW_004516183.1	Scaffold809	148035	TT	CC	1940470046

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208666_8528	NW_004516184.1	Scaffold811	8528	AA	TT	1940470047
SNP_P1_208667_8538	NW_004516184.1	Scaffold811	8538	TT	GG	1940470048
SNP_P1_208668_8542	NW_004516184.1	Scaffold811	8542	AA	GG	1940470049
SNP_P1_208670_73321	NW_004516184.1	Scaffold811	73321	TT	GG	1940470050
SNP_P1_208671_73453	NW_004516184.1	Scaffold811	73453	GG	AA	1940470051
SNP_P1_208672_75956	NW_004516184.1	Scaffold811	75956	CC	TT	1940470052
SNP_P1_208673_86567	NW_004516184.1	Scaffold811	86567	TT	CC	1940470053
SNP_P1_208674_86579	NW_004516184.1	Scaffold811	86579	AA	GG	1940470054
SNP_P1_208675_86637	NW_004516184.1	Scaffold811	86637	AA	GG	1940470055
SNP_P1_208676_86956	NW_004516184.1	Scaffold811	86956	TT	CC	1940470056
SNP_P1_208677_86989	NW_004516184.1	Scaffold811	86989	AA	TT	1940470057
SNP_P1_208678_87061	NW_004516184.1	Scaffold811	87061	AA	GG	1940470058
SNP_P1_208679_91167	NW_004516184.1	Scaffold811	91167	TT	CC	1940470059
SNP_P1_208680_91170	NW_004516184.1	Scaffold811	91170	TT	GG	1940470060
SNP_P1_208681_91209	NW_004516184.1	Scaffold811	91209	AA	GG	1940470061
SNP_P1_208682_112271	NW_004516184.1	Scaffold811	112271	CC	GG	1940470062
SNP_P1_208683_112300	NW_004516184.1	Scaffold811	112300	AA	GG	1940470063
SNP_P1_208684_112320	NW_004516184.1	Scaffold811	112320	TT	AA	1940470064
SNP_P1_208685_112325	NW_004516184.1	Scaffold811	112325	CC	AA	1940470065
SNP_P1_208686_112356	NW_004516184.1	Scaffold811	112356	GG	AA	1940470066
SNP_P1_208687_112359	NW_004516184.1	Scaffold811	112359	GG	AA	1940470067
SNP_P1_208688_127678	NW_004516184.1	Scaffold811	127678	GG	TT	1940470068
SNP_P1_208689_127755	NW_004516184.1	Scaffold811	127755	CC	TT	1940470069
SNP_P1_208690_128002	NW_004516184.1	Scaffold811	128002	CC	GG	1940470070
SNP_P1_208691_128006	NW_004516184.1	Scaffold811	128006	AA	GG	1940470071
SNP_P1_208692_128021	NW_004516184.1	Scaffold811	128021	TT	CC	1940470072
SNP_P1_208693_128046	NW_004516184.1	Scaffold811	128046	GG	AA	1940470073
SNP_P1_208694_128051	NW_004516184.1	Scaffold811	128051	TT	CC	1940470074
SNP_P1_208695_128069	NW_004516184.1	Scaffold811	128069	TT	CC	1940470075
SNP_P1_208696_128100	NW_004516184.1	Scaffold811	128100	AA	TT	1940470076
SNP_P1_208697_128110	NW_004516184.1	Scaffold811	128110	AA	TT	1940470077
SNP_P1_208698_128119	NW_004516184.1	Scaffold811	128119	TT	AA	1940470078
SNP_P1_208699_128146	NW_004516184.1	Scaffold811	128146	CC	AA	1940470079
SNP_P1_208700_129676	NW_004516184.1	Scaffold811	129676	GG	AA	1940470080
SNP_P1_208701_150355	NW_004516184.1	Scaffold811	150355	GG	AA	1940470081
SNP_P1_208702_155414	NW_004516184.1	Scaffold811	155414	GG	AA	1940470082
SNP_P1_208703_158713	NW_004516184.1	Scaffold811	158713	TT	AA	1940470083
SNP_P1_208705_159648	NW_004516184.1	Scaffold811	159648	AA	GG	1940470084
SNP_P1_208706_160894	NW_004516184.1	Scaffold811	160894	CC	TT	1940470085
SNP_P1_208707_162088	NW_004516184.1	Scaffold811	162088	CC	AA	1940470086
SNP_P1_208708_169501	NW_004516184.1	Scaffold811	169501	CC	TT	1940470087
SNP_P1_208709_176436	NW_004516184.1	Scaffold811	176436	TT	CC	1940470088

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208710_176788	NW_004516184.1	Scaffold811	176788	TT	GG	1940470089
SNP_P1_208711_176838	NW_004516184.1	Scaffold811	176838	AA	GG	1940470090
SNP_P1_208712_184222	NW_004516184.1	Scaffold811	184222	TT	CC	1940470091
SNP_P1_208713_184285	NW_004516184.1	Scaffold811	184285	CC	TT	1940470092
SNP_P1_208714_184402	NW_004516184.1	Scaffold811	184402	GG	AA	1940470093
SNP_P1_208715_184682	NW_004516184.1	Scaffold811	184682	AA	GG	1940470094
SNP_P1_208716_184698	NW_004516184.1	Scaffold811	184698	CC	TT	1940470095
SNP_P1_208717_184705	NW_004516184.1	Scaffold811	184705	CC	TT	1940470096
SNP_P1_208718_184706	NW_004516184.1	Scaffold811	184706	AA	TT	1940470097
SNP_P1_208719_184708	NW_004516184.1	Scaffold811	184708	TT	CC	1940470098
SNP_P1_208720_186316	NW_004516184.1	Scaffold811	186316	TT	AA	1940470099
SNP_P1_208721_195440	NW_004516184.1	Scaffold811	195440	AA	TT	1940470100
SNP_P1_208722_203838	NW_004516184.1	Scaffold811	203838	GG	CC	1940470101
SNP_P1_208723_206324	NW_004516184.1	Scaffold811	206324	AA	CC	1940470102
SNP_P1_208725_224834	NW_004516184.1	Scaffold811	224834	CC	TT	1940470103
SNP_P1_208726_224838	NW_004516184.1	Scaffold811	224838	TT	CC	1940470104
SNP_P1_208727_225887	NW_004516184.1	Scaffold811	225887	CC	TT	1940470105
SNP_P1_208730_228856	NW_004516184.1	Scaffold811	228856	TT	AA	1940470106
SNP_P1_208731_228882	NW_004516184.1	Scaffold811	228882	TT	GG	1940470107
SNP_P1_208734_245216	NW_004516184.1	Scaffold811	245216	AA	GG	1940470108
SNP_P1_208735_246449	NW_004516184.1	Scaffold811	246449	AA	TT	1940470109
SNP_P1_208736_249042	NW_004516184.1	Scaffold811	249042	TT	GG	1940470110
SNP_P1_208737_249044	NW_004516184.1	Scaffold811	249044	TT	CC	1940470111
SNP_P1_208738_249126	NW_004516184.1	Scaffold811	249126	AA	GG	1940470112
SNP_P1_208739_249131	NW_004516184.1	Scaffold811	249131	CC	GG	1940470113
SNP_P1_208740_249590	NW_004516184.1	Scaffold811	249590	TT	CC	1940470114
SNP_P1_208741_250769	NW_004516184.1	Scaffold811	250769	GG	AA	1940470115
SNP_P1_208742_251137	NW_004516184.1	Scaffold811	251137	GG	CC	1940470116
SNP_P1_208743_251652	NW_004516184.1	Scaffold811	251652	AA	CC	1940470117
SNP_P1_208744_251686	NW_004516184.1	Scaffold811	251686	CC	GG	1940470118
SNP_P1_208745_251698	NW_004516184.1	Scaffold811	251698	GG	TT	1940470119
SNP_P1_208746_251714	NW_004516184.1	Scaffold811	251714	GG	AA	1940470120
SNP_P1_208747_258308	NW_004516184.1	Scaffold811	258308	CC	AA	1940470121
SNP_P1_208748_258766	NW_004516184.1	Scaffold811	258766	AA	GG	1940470122
SNP_P1_208749_258785	NW_004516184.1	Scaffold811	258785	AA	GG	1940470123
SNP_P1_208750_276664	NW_004516184.1	Scaffold811	276664	CC	AA	1940470124
SNP_P1_208751_279069	NW_004516184.1	Scaffold811	279069	CC	AA	1940470125
SNP_P1_208752_286812	NW_004516184.1	Scaffold811	286812	TT	CC	1940470126
SNP_P1_208753_286844	NW_004516184.1	Scaffold811	286844	GG	AA	1940470127
SNP_P1_208754_286855	NW_004516184.1	Scaffold811	286855	CC	TT	1940470128
SNP_P1_208755_286862	NW_004516184.1	Scaffold811	286862	CC	AA	1940470129
SNP_P1_208756_286897	NW_004516184.1	Scaffold811	286897	CC	TT	1940470130

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208757_286912	NW_004516184.1	Scaffold811	286912	GG	CC	1940470131
SNP_P1_208758_287801	NW_004516184.1	Scaffold811	287801	TT	CC	1940470132
SNP_P1_208759_287903	NW_004516184.1	Scaffold811	287903	CC	AA	1940470133
SNP_P1_208760_287910	NW_004516184.1	Scaffold811	287910	GG	CC	1940470134
SNP_P1_208761_290598	NW_004516184.1	Scaffold811	290598	CC	TT	1940470135
SNP_P1_208762_294996	NW_004516184.1	Scaffold811	294996	TT	GG	1940470136
SNP_P1_208763_303362	NW_004516184.1	Scaffold811	303362	AA	CC	1940470137
SNP_P1_208764_303486	NW_004516184.1	Scaffold811	303486	TT	CC	1940470138
SNP_P1_208765_314928	NW_004516184.1	Scaffold811	314928	GG	TT	1940470139
SNP_P1_208766_316932	NW_004516184.1	Scaffold811	316932	AA	GG	1940470140
SNP_P1_208767_321145	NW_004516184.1	Scaffold811	321145	TT	CC	1940470141
SNP_P1_208768_321146	NW_004516184.1	Scaffold811	321146	CC	TT	1940470142
SNP_P1_208769_321208	NW_004516184.1	Scaffold811	321208	GG	AA	1940470143
SNP_P1_208770_321210	NW_004516184.1	Scaffold811	321210	AA	GG	1940470144
SNP_P1_208771_321223	NW_004516184.1	Scaffold811	321223	TT	AA	1940470145
SNP_P1_208772_691	NW_004516185.1	Scaffold812	691	CC	TT	1940470146
SNP_P1_208773_7715	NW_004516185.1	Scaffold812	7715	AA	GG	1940470147
SNP_P1_208774_7725	NW_004516185.1	Scaffold812	7725	AA	GG	1940470148
SNP_P1_208775_12916	NW_004516185.1	Scaffold812	12916	GG	CC	1940470149
SNP_P1_208776_14488	NW_004516185.1	Scaffold812	14488	GG	AA	1940470150
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SNP_P1_208778_14911	NW_004516185.1	Scaffold812	14911	TT	GG	1940470152
SNP_P1_208779_16770	NW_004516185.1	Scaffold812	16770	CC	TT	1940470153
SNP_P1_208780_16771	NW_004516185.1	Scaffold812	16771	TT	AA	1940470154
SNP_P1_208781_16780	NW_004516185.1	Scaffold812	16780	CC	TT	1940470155
SNP_P1_208782_30212	NW_004516185.1	Scaffold812	30212	CC	GG	1940470156
SNP_P1_208783_31212	NW_004516185.1	Scaffold812	31212	AA	CC	1940470157
SNP_P1_208784_33781	NW_004516185.1	Scaffold812	33781	CC	AA	1940470158
SNP_P1_208785_45224	NW_004516185.1	Scaffold812	45224	CC	TT	1940470159
SNP_P1_208786_52478	NW_004516185.1	Scaffold812	52478	AA	GG	1940470160
SNP_P1_208787_55896	NW_004516185.1	Scaffold812	55896	CC	TT	1940470161
SNP_P1_208788_60487	NW_004516185.1	Scaffold812	60487	TT	AA	1940470162
SNP_P1_208789_61452	NW_004516185.1	Scaffold812	61452	CC	TT	1940470163
SNP_P1_208790_66503	NW_004516185.1	Scaffold812	66503	AA	GG	1940470164
SNP_P1_208791_71101	NW_004516185.1	Scaffold812	71101	GG	AA	1940470165
SNP_P1_208792_71314	NW_004516185.1	Scaffold812	71314	GG	AA	1940470166
SNP_P1_208793_71366	NW_004516185.1	Scaffold812	71366	GG	AA	1940470167
SNP_P1_208794_78806	NW_004516185.1	Scaffold812	78806	AA	TT	1940470168
SNP_P1_208795_82117	NW_004516185.1	Scaffold812	82117	CC	TT	1940470169
SNP_P1_208796_82414	NW_004516185.1	Scaffold812	82414	TT	GG	1940470170
SNP_P1_208797_89903	NW_004516185.1	Scaffold812	89903	CC	TT	1940470171
SNP_P1_208798_92159	NW_004516185.1	Scaffold812	92159	AA	TT	1940470172

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208799_92200	NW_004516185.1	Scaffold812	92200	TT	CC	1940470173
SNP_P1_208800_94729	NW_004516185.1	Scaffold812	94729	CC	TT	1940470174
SNP_P1_208801_95432	NW_004516185.1	Scaffold812	95432	CC	AA	1940470175
SNP_P1_208802_95447	NW_004516185.1	Scaffold812	95447	TT	CC	1940470176
SNP_P1_208803_105308	NW_004516185.1	Scaffold812	105308	CC	TT	1940470178
SNP_P1_208804_105817	NW_004516185.1	Scaffold812	105817	CC	TT	1940470179
SNP_P1_208805_105871	NW_004516185.1	Scaffold812	105871	CC	AA	1940470180
SNP_P1_208806_106229	NW_004516185.1	Scaffold812	106229	TT	AA	1940470181
SNP_P1_208807_106588	NW_004516185.1	Scaffold812	106588	TT	CC	1940470182
SNP_P1_208808_106590	NW_004516185.1	Scaffold812	106590	CC	TT	1940470183
SNP_P1_208809_106741	NW_004516185.1	Scaffold812	106741	AA	GG	1940470184
SNP_P1_208810_106759	NW_004516185.1	Scaffold812	106759	TT	GG	1940470185
SNP_P1_208811_106784	NW_004516185.1	Scaffold812	106784	AA	TT	1940470186
SNP_P1_208812_106866	NW_004516185.1	Scaffold812	106866	GG	TT	1940470187
SNP_P1_208813_106872	NW_004516185.1	Scaffold812	106872	TT	GG	1940470188
SNP_P1_208814_106940	NW_004516185.1	Scaffold812	106940	CC	TT	1940470189
SNP_P1_208815_107558	NW_004516185.1	Scaffold812	107558	GG	TT	1940470190
SNP_P1_208816_107927	NW_004516185.1	Scaffold812	107927	GG	TT	1940470191
SNP_P1_208817_112029	NW_004516185.1	Scaffold812	112029	GG	TT	1940470192
SNP_P1_208818_112077	NW_004516185.1	Scaffold812	112077	GG	TT	1940470193
SNP_P1_208819_112084	NW_004516185.1	Scaffold812	112084	AA	TT	1940470194
SNP_P1_208820_112085	NW_004516185.1	Scaffold812	112085	TT	GG	1940470195
SNP_P1_208821_112423	NW_004516185.1	Scaffold812	112423	CC	TT	1940470196
SNP_P1_208822_131184	NW_004516185.1	Scaffold812	131184	GG	AA	1940470197
SNP_P1_208823_143398	NW_004516185.1	Scaffold812	143398	CC	TT	1940470198
SNP_P1_208824_156000	NW_004516185.1	Scaffold812	156000	CC	TT	1940470199
SNP_P1_208825_176632	NW_004516185.1	Scaffold812	176632	GG	AA	1940470200
SNP_P1_208826_176643	NW_004516185.1	Scaffold812	176643	TT	CC	1940470201
SNP_P1_208827_176668	NW_004516185.1	Scaffold812	176668	AA	GG	1940470202
SNP_P1_208828_176881	NW_004516185.1	Scaffold812	176881	CC	GG	1940470203
SNP_P1_208829_176883	NW_004516185.1	Scaffold812	176883	TT	CC	1940470204
SNP_P1_208830_176935	NW_004516185.1	Scaffold812	176935	GG	AA	1940470205
SNP_P1_208831_183673	NW_004516185.1	Scaffold812	183673	AA	CC	1940470206
SNP_P1_208832_187425	NW_004516185.1	Scaffold812	187425	GG	AA	1940470207
SNP_P1_208833_191736	NW_004516185.1	Scaffold812	191736	AA	GG	1940470208
SNP_P1_208834_202462	NW_004516185.1	Scaffold812	202462	AA	GG	1940470209
SNP_P1_208835_203705	NW_004516185.1	Scaffold812	203705	AA	GG	1940470210
SNP_P1_208836_204532	NW_004516185.1	Scaffold812	204532	TT	CC	1940470211
SNP_P1_208837_205432	NW_004516185.1	Scaffold812	205432	CC	TT	1940470212
SNP_P1_208838_207032	NW_004516185.1	Scaffold812	207032	GG	AA	1940470213
SNP_P1_208839_211242	NW_004516185.1	Scaffold812	211242	CC	AA	1940470214
SNP_P1_208840_212099	NW_004516185.1	Scaffold812	212099	CC	TT	1940470215

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208841_212124	NW_004516185.1	Scaffold812	212124	CC	TT	1940470216
SNP_P1_208843_213240	NW_004516185.1	Scaffold812	213240	GG	TT	1940470217
SNP_P1_208844_213457	NW_004516185.1	Scaffold812	213457	GG	AA	1940470218
SNP_P1_208845_214142	NW_004516185.1	Scaffold812	214142	CC	TT	1940470219
SNP_P1_208846_215173	NW_004516185.1	Scaffold812	215173	GG	AA	1940470220
SNP_P1_208848_215958	NW_004516185.1	Scaffold812	215958	TT	CC	1940470221
SNP_P1_208849_216202	NW_004516185.1	Scaffold812	216202	AA	GG	1940470222
SNP_P1_208850_216306	NW_004516185.1	Scaffold812	216306	TT	CC	1940470223
SNP_P1_208852_216868	NW_004516185.1	Scaffold812	216868	CC	TT	1940470224
SNP_P1_208853_219087	NW_004516185.1	Scaffold812	219087	CC	TT	1940470225
SNP_P1_208855_221339	NW_004516185.1	Scaffold812	221339	TT	GG	1940470226
SNP_P1_208856_228433	NW_004516185.1	Scaffold812	228433	TT	AA	1940470227
SNP_P1_208858_229249	NW_004516185.1	Scaffold812	229249	GG	AA	1940470228
SNP_P1_208861_235759	NW_004516185.1	Scaffold812	235759	AA	GG	1940470229
SNP_P1_208864_257430	NW_004516185.1	Scaffold812	257430	AA	CC	1940470230
SNP_P1_208865_259722	NW_004516185.1	Scaffold812	259722	TT	CC	1940470231
SNP_P1_208866_260975	NW_004516185.1	Scaffold812	260975	AA	GG	1940470232
SNP_P1_208867_263135	NW_004516185.1	Scaffold812	263135	GG	TT	1940470233
SNP_P1_208868_263260	NW_004516185.1	Scaffold812	263260	AA	GG	1940470234
SNP_P1_208869_263486	NW_004516185.1	Scaffold812	263486	AA	GG	1940470235
SNP_P1_208870_264073	NW_004516185.1	Scaffold812	264073	TT	CC	1940470236
SNP_P1_208871_265270	NW_004516185.1	Scaffold812	265270	AA	GG	1940470237
SNP_P1_208872_266283	NW_004516185.1	Scaffold812	266283	CC	TT	1940470238
SNP_P1_208873_268658	NW_004516185.1	Scaffold812	268658	CC	TT	1940470239
SNP_P1_208874_274594	NW_004516185.1	Scaffold812	274594	TT	GG	1940470240
SNP_P1_208875_275842	NW_004516185.1	Scaffold812	275842	AA	GG	1940470241
SNP_P1_208876_279210	NW_004516185.1	Scaffold812	279210	AA	GG	1940470242
SNP_P1_208877_279335	NW_004516185.1	Scaffold812	279335	AA	TT	1940470243
SNP_P1_208878_279337	NW_004516185.1	Scaffold812	279337	GG	AA	1940470244
SNP_P1_208879_282666	NW_004516185.1	Scaffold812	282666	TT	AA	1940470245
SNP_P1_208880_283601	NW_004516185.1	Scaffold812	283601	GG	TT	1940470246
SNP_P1_208882_285893	NW_004516185.1	Scaffold812	285893	AA	TT	1940470247
SNP_P1_208883_286619	NW_004516185.1	Scaffold812	286619	AA	TT	1940470248
SNP_P1_208884_286644	NW_004516185.1	Scaffold812	286644	AA	TT	1940470249
SNP_P1_208885_286648	NW_004516185.1	Scaffold812	286648	AA	TT	1940470250
SNP_P1_208886_287451	NW_004516185.1	Scaffold812	287451	AA	GG	1940470251
SNP_P1_208887_291318	NW_004516185.1	Scaffold812	291318	GG	AA	1940470252
SNP_P1_208888_294770	NW_004516185.1	Scaffold812	294770	AA	GG	1940470253
SNP_P1_208889_295114	NW_004516185.1	Scaffold812	295114	AA	TT	1940470254
SNP_P1_208890_297465	NW_004516185.1	Scaffold812	297465	GG	AA	1940470255
SNP_P1_208891_300053	NW_004516185.1	Scaffold812	300053	AA	GG	1940470256
SNP_P1_208892_301337	NW_004516185.1	Scaffold812	301337	GG	AA	1940470257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208893_304425	NW_004516185.1	Scaffold812	304425	CC	GG	1940470258
SNP_P1_208895_308496	NW_004516185.1	Scaffold812	308496	TT	CC	1940470259
SNP_P1_208896_310747	NW_004516185.1	Scaffold812	310747	TT	CC	1940470260
SNP_P1_208897_310789	NW_004516185.1	Scaffold812	310789	TT	CC	1940470261
SNP_P1_208898_311472	NW_004516185.1	Scaffold812	311472	TT	CC	1940470262
SNP_P1_208899_311504	NW_004516185.1	Scaffold812	311504	AA	TT	1940470263
SNP_P1_208901_315760	NW_004516185.1	Scaffold812	315760	AA	GG	1940470264
SNP_P1_208902_320337	NW_004516185.1	Scaffold812	320337	TT	GG	1940470265
SNP_P1_208904_322130	NW_004516185.1	Scaffold812	322130	TT	CC	1940470266
SNP_P1_208905_325928	NW_004516185.1	Scaffold812	325928	AA	GG	1940470267
SNP_P1_208906_325962	NW_004516185.1	Scaffold812	325962	AA	GG	1940470268
SNP_P1_208907_325988	NW_004516185.1	Scaffold812	325988	CC	TT	1940470269
SNP_P1_208908_326398	NW_004516185.1	Scaffold812	326398	GG	TT	1940470270
SNP_P1_208909_327319	NW_004516185.1	Scaffold812	327319	CC	TT	1940470271
SNP_P1_208910_334476	NW_004516185.1	Scaffold812	334476	TT	CC	1940470272
SNP_P1_208911_334897	NW_004516185.1	Scaffold812	334897	TT	CC	1940470273
SNP_P1_208912_335480	NW_004516185.1	Scaffold812	335480	CC	AA	1940470274
SNP_P1_208913_339218	NW_004516185.1	Scaffold812	339218	TT	CC	1940470275
SNP_P1_208915_341969	NW_004516185.1	Scaffold812	341969	AA	GG	1940470276
SNP_P1_208916_342715	NW_004516185.1	Scaffold812	342715	GG	AA	1940470277
SNP_P1_208917_342857	NW_004516185.1	Scaffold812	342857	GG	AA	1940470278
SNP_P1_208918_347899	NW_004516185.1	Scaffold812	347899	GG	AA	1940470279
SNP_P1_208920_354063	NW_004516185.1	Scaffold812	354063	GG	AA	1940470280
SNP_P1_208922_358472	NW_004516185.1	Scaffold812	358472	GG	TT	1940470281
SNP_P1_208923_358497	NW_004516185.1	Scaffold812	358497	TT	CC	1940470282
SNP_P1_208925_368324	NW_004516185.1	Scaffold812	368324	AA	GG	1940470283
SNP_P1_208926_372140	NW_004516185.1	Scaffold812	372140	GG	AA	1940470284
SNP_P1_208927_374054	NW_004516185.1	Scaffold812	374054	CC	TT	1940470285
SNP_P1_208928_378719	NW_004516185.1	Scaffold812	378719	GG	TT	1940470286
SNP_P1_208930_381930	NW_004516185.1	Scaffold812	381930	TT	CC	1940470287
SNP_P1_208931_400148	NW_004516185.1	Scaffold812	400148	TT	AA	1940470288
SNP_P1_208933_403114	NW_004516185.1	Scaffold812	403114	TT	CC	1940470289
SNP_P1_208934_403124	NW_004516185.1	Scaffold812	403124	GG	AA	1940470290
SNP_P1_208936_414645	NW_004516185.1	Scaffold812	414645	GG	AA	1940470291
SNP_P1_208937_415705	NW_004516185.1	Scaffold812	415705	TT	AA	1940470292
SNP_P1_208938_416125	NW_004516185.1	Scaffold812	416125	AA	GG	1940470293
SNP_P1_208939_416271	NW_004516185.1	Scaffold812	416271	CC	AA	1940470294
SNP_P1_208940_416529	NW_004516185.1	Scaffold812	416529	TT	CC	1940470295
SNP_P1_208941_416612	NW_004516185.1	Scaffold812	416612	TT	CC	1940470296
SNP_P1_208942_416921	NW_004516185.1	Scaffold812	416921	TT	AA	1940470297
SNP_P1_208943_422782	NW_004516185.1	Scaffold812	422782	TT	CC	1940470298
SNP_P1_208944_423588	NW_004516185.1	Scaffold812	423588	TT	CC	1940470299

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208945_425071	NW_004516185.1	Scaffold812	425071	TT	CC	1940470300
SNP_P1_208946_426674	NW_004516185.1	Scaffold812	426674	AA	GG	1940470301
SNP_P1_208947_428168	NW_004516185.1	Scaffold812	428168	CC	AA	1940470302
SNP_P1_208948_446072	NW_004516185.1	Scaffold812	446072	AA	GG	1940470303
SNP_P1_208950_453621	NW_004516185.1	Scaffold812	453621	AA	GG	1940470304
SNP_P1_208952_458656	NW_004516185.1	Scaffold812	458656	CC	AA	1940470305
SNP_P1_208953_458657	NW_004516185.1	Scaffold812	458657	CC	AA	1940470306
SNP_P1_208954_464553	NW_004516185.1	Scaffold812	464553	GG	AA	1940470307
SNP_P1_208956_469760	NW_004516185.1	Scaffold812	469760	AA	GG	1940470308
SNP_P1_208957_470770	NW_004516185.1	Scaffold812	470770	AA	GG	1940470309
SNP_P1_208958_471645	NW_004516185.1	Scaffold812	471645	TT	CC	1940470310
SNP_P1_208959_473324	NW_004516185.1	Scaffold812	473324	AA	GG	1940470311
SNP_P1_208960_477574	NW_004516185.1	Scaffold812	477574	TT	CC	1940470312
SNP_P1_208961_480922	NW_004516185.1	Scaffold812	480922	AA	GG	1940470313
SNP_P1_208963_483931	NW_004516185.1	Scaffold812	483931	AA	GG	1940470314
SNP_P1_208964_484496	NW_004516185.1	Scaffold812	484496	GG	AA	1940470315
SNP_P1_208965_486981	NW_004516185.1	Scaffold812	486981	GG	CC	1940470316
SNP_P1_208966_487058	NW_004516185.1	Scaffold812	487058	TT	CC	1940470317
SNP_P1_208967_487068	NW_004516185.1	Scaffold812	487068	TT	CC	1940470318
SNP_P1_208968_487152	NW_004516185.1	Scaffold812	487152	AA	TT	1940470319
SNP_P1_208970_487327	NW_004516185.1	Scaffold812	487327	TT	CC	1940470320
SNP_P1_208971_487354	NW_004516185.1	Scaffold812	487354	AA	GG	1940470321
SNP_P1_208972_487375	NW_004516185.1	Scaffold812	487375	TT	AA	1940470322
SNP_P1_208973_487403	NW_004516185.1	Scaffold812	487403	GG	AA	1940470323
SNP_P1_208975_488985	NW_004516185.1	Scaffold812	488985	GG	AA	1940470324
SNP_P1_208976_493119	NW_004516185.1	Scaffold812	493119	CC	TT	1940470325
SNP_P1_208977_512813	NW_004516185.1	Scaffold812	512813	CC	TT	1940470326
SNP_P1_208978_514956	NW_004516185.1	Scaffold812	514956	AA	GG	1940470328
SNP_P1_208979_515370	NW_004516185.1	Scaffold812	515370	AA	GG	1940470329
SNP_P1_208980_515558	NW_004516185.1	Scaffold812	515558	GG	AA	1940470330
SNP_P1_208981_516125	NW_004516185.1	Scaffold812	516125	CC	TT	1940470331
SNP_P1_208982_516132	NW_004516185.1	Scaffold812	516132	AA	TT	1940470332
SNP_P1_208983_516139	NW_004516185.1	Scaffold812	516139	TT	AA	1940470333
SNP_P1_208984_522452	NW_004516185.1	Scaffold812	522452	TT	CC	1940470334
SNP_P1_208985_525899	NW_004516185.1	Scaffold812	525899	CC	TT	1940470335
SNP_P1_208986_525952	NW_004516185.1	Scaffold812	525952	TT	AA	1940470336
SNP_P1_208987_525959	NW_004516185.1	Scaffold812	525959	AA	TT	1940470337
SNP_P1_208988_525993	NW_004516185.1	Scaffold812	525993	CC	TT	1940470338
SNP_P1_208989_526012	NW_004516185.1	Scaffold812	526012	TT	CC	1940470339
SNP_P1_208991_526047	NW_004516185.1	Scaffold812	526047	CC	TT	1940470340
SNP_P1_208992_526056	NW_004516185.1	Scaffold812	526056	CC	TT	1940470341
SNP_P1_208993_526099	NW_004516185.1	Scaffold812	526099	TT	CC	1940470342

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_208994_526260	NW_004516185.1	Scaffold812	526260	AA	TT	1940470343
SNP_P1_208995_526344	NW_004516185.1	Scaffold812	526344	AA	TT	1940470344
SNP_P1_208997_527256	NW_004516185.1	Scaffold812	527256	AA	GG	1940470345
SNP_P1_208998_530388	NW_004516185.1	Scaffold812	530388	AA	CC	1940470346
SNP_P1_208999_530737	NW_004516185.1	Scaffold812	530737	CC	AA	1940470347
SNP_P1_209000_535588	NW_004516185.1	Scaffold812	535588	TT	GG	1940470348
SNP_P1_209001_535715	NW_004516185.1	Scaffold812	535715	AA	TT	1940470349
SNP_P1_209004_548648	NW_004516185.1	Scaffold812	548648	AA	GG	1940470350
SNP_P1_209005_548873	NW_004516185.1	Scaffold812	548873	CC	TT	1940470351
SNP_P1_209006_548963	NW_004516185.1	Scaffold812	548963	GG	TT	1940470352
SNP_P1_209007_549740	NW_004516185.1	Scaffold812	549740	AA	GG	1940470353
SNP_P1_209008_549751	NW_004516185.1	Scaffold812	549751	AA	CC	1940470354
SNP_P1_209009_549789	NW_004516185.1	Scaffold812	549789	AA	TT	1940470355
SNP_P1_209010_549813	NW_004516185.1	Scaffold812	549813	TT	CC	1940470356
SNP_P1_209011_552402	NW_004516185.1	Scaffold812	552402	TT	CC	1940470357
SNP_P1_209012_554119	NW_004516185.1	Scaffold812	554119	AA	CC	1940470358
SNP_P1_209013_556440	NW_004516185.1	Scaffold812	556440	AA	GG	1940470359
SNP_P1_209014_557487	NW_004516185.1	Scaffold812	557487	TT	AA	1940470360
SNP_P1_209015_3015	NW_004516186.1	Scaffold814	3015	TT	CC	1940470361
SNP_P1_209016_3030	NW_004516186.1	Scaffold814	3030	TT	CC	1940470362
SNP_P1_209017_3033	NW_004516186.1	Scaffold814	3033	CC	TT	1940470363
SNP_P1_209018_3075	NW_004516186.1	Scaffold814	3075	TT	GG	1940470364
SNP_P1_209019_3321	NW_004516186.1	Scaffold814	3321	TT	AA	1940470365
SNP_P1_209020_3510	NW_004516186.1	Scaffold814	3510	GG	TT	1940470366
SNP_P1_209021_3532	NW_004516186.1	Scaffold814	3532	GG	TT	1940470367
SNP_P1_209022_15661	NW_004516186.1	Scaffold814	15661	AA	CC	1940470368
SNP_P1_209023_15665	NW_004516186.1	Scaffold814	15665	GG	CC	1940470369
SNP_P1_209024_16826	NW_004516186.1	Scaffold814	16826	CC	AA	1940470370
SNP_P1_209025_20239	NW_004516186.1	Scaffold814	20239	AA	CC	1940470371
SNP_P1_209026_20242	NW_004516186.1	Scaffold814	20242	CC	GG	1940470372
SNP_P1_209027_20250	NW_004516186.1	Scaffold814	20250	TT	AA	1940470373
SNP_P1_209028_20406	NW_004516186.1	Scaffold814	20406	TT	GG	1940470374
SNP_P1_209029_20417	NW_004516186.1	Scaffold814	20417	AA	TT	1940470375
SNP_P1_209030_20475	NW_004516186.1	Scaffold814	20475	AA	TT	1940470376
SNP_P1_209031_20476	NW_004516186.1	Scaffold814	20476	AA	TT	1940470377
SNP_P1_209032_20484	NW_004516186.1	Scaffold814	20484	GG	TT	1940470378
SNP_P1_209033_20485	NW_004516186.1	Scaffold814	20485	GG	TT	1940470379
SNP_P1_209034_25951	NW_004516186.1	Scaffold814	25951	GG	AA	1940470380
SNP_P1_209035_26273	NW_004516186.1	Scaffold814	26273	CC	TT	1940470381
SNP_P1_209036_28721	NW_004516186.1	Scaffold814	28721	CC	TT	1940470382
SNP_P1_209037_35515	NW_004516186.1	Scaffold814	35515	TT	CC	1940470383
SNP_P1_209038_35544	NW_004516186.1	Scaffold814	35544	AA	GG	1940470384

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209039_35602	NW_004516186.1	Scaffold814	35602	CC	TT	1940470385
SNP_P1_209040_38503	NW_004516186.1	Scaffold814	38503	CC	GG	1940470386
SNP_P1_209041_39655	NW_004516186.1	Scaffold814	39655	CC	TT	1940470387
SNP_P1_209042_39853	NW_004516186.1	Scaffold814	39853	TT	CC	1940470388
SNP_P1_209043_39946	NW_004516186.1	Scaffold814	39946	TT	CC	1940470389
SNP_P1_209044_40067	NW_004516186.1	Scaffold814	40067	AA	TT	1940470390
SNP_P1_209045_40146	NW_004516186.1	Scaffold814	40146	CC	TT	1940470391
SNP_P1_209046_40181	NW_004516186.1	Scaffold814	40181	CC	TT	1940470392
SNP_P1_209047_40204	NW_004516186.1	Scaffold814	40204	GG	AA	1940470393
SNP_P1_209048_41116	NW_004516186.1	Scaffold814	41116	TT	CC	1940470394
SNP_P1_209049_41240	NW_004516186.1	Scaffold814	41240	AA	CC	1940470395
SNP_P1_209050_41241	NW_004516186.1	Scaffold814	41241	GG	CC	1940470396
SNP_P1_209051_41290	NW_004516186.1	Scaffold814	41290	AA	TT	1940470397
SNP_P1_209052_41351	NW_004516186.1	Scaffold814	41351	GG	AA	1940470398
SNP_P1_209053_41594	NW_004516186.1	Scaffold814	41594	AA	TT	1940470399
SNP_P1_209054_41760	NW_004516186.1	Scaffold814	41760	TT	GG	1940470400
SNP_P1_209055_41915	NW_004516186.1	Scaffold814	41915	GG	TT	1940470401
SNP_P1_209056_42211	NW_004516186.1	Scaffold814	42211	TT	CC	1940470402
SNP_P1_209057_42224	NW_004516186.1	Scaffold814	42224	CC	GG	1940470403
SNP_P1_209058_42425	NW_004516186.1	Scaffold814	42425	TT	CC	1940470404
SNP_P1_209059_42719	NW_004516186.1	Scaffold814	42719	CC	TT	1940470405
SNP_P1_209060_46318	NW_004516186.1	Scaffold814	46318	CC	AA	1940470406
SNP_P1_209061_46422	NW_004516186.1	Scaffold814	46422	TT	GG	1940470407
SNP_P1_209062_46616	NW_004516186.1	Scaffold814	46616	GG	CC	1940470408
SNP_P1_209063_46620	NW_004516186.1	Scaffold814	46620	GG	AA	1940470409
SNP_P1_209064_46718	NW_004516186.1	Scaffold814	46718	GG	CC	1940470410
SNP_P1_209065_46790	NW_004516186.1	Scaffold814	46790	AA	TT	1940470411
SNP_P1_209066_4710	NW_004516188.1	Scaffold817	4710	TT	CC	1940470412
SNP_P1_209067_4711	NW_004516188.1	Scaffold817	4711	GG	AA	1940470413
SNP_P1_209068_4736	NW_004516188.1	Scaffold817	4736	AA	GG	1940470414
SNP_P1_209069_4857	NW_004516188.1	Scaffold817	4857	GG	CC	1940470415
SNP_P1_209070_5351	NW_004516188.1	Scaffold817	5351	CC	GG	1940470416
SNP_P1_209071_6927	NW_004516188.1	Scaffold817	6927	CC	TT	1940470417
SNP_P1_209072_6962	NW_004516188.1	Scaffold817	6962	GG	AA	1940470418
SNP_P1_209073_13533	NW_004516188.1	Scaffold817	13533	AA	GG	1940470419
SNP_P1_209074_13546	NW_004516188.1	Scaffold817	13546	TT	CC	1940470420
SNP_P1_209075_13547	NW_004516188.1	Scaffold817	13547	CC	AA	1940470421
SNP_P1_209076_2049	NW_004516189.1	Scaffold818	2049	CC	TT	1940470422
SNP_P1_209077_2067	NW_004516189.1	Scaffold818	2067	CC	TT	1940470423
SNP_P1_209078_626	NW_004516190.1	Scaffold819	626	TT	AA	1940470424
SNP_P1_209079_13437	NW_004516191.1	Scaffold820	13437	GG	TT	1940470425
SNP_P1_209080_13626	NW_004516191.1	Scaffold820	13626	TT	CC	1940470426

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209082_15185	NW_004516191.1	Scaffold820	15185	GG	AA	1940470427
SNP_P1_209083_15736	NW_004516191.1	Scaffold820	15736	AA	TT	1940470428
SNP_P1_209084_15984	NW_004516191.1	Scaffold820	15984	TT	CC	1940470429
SNP_P1_209085_16377	NW_004516191.1	Scaffold820	16377	GG	AA	1940470430
SNP_P1_209086_16386	NW_004516191.1	Scaffold820	16386	AA	TT	1940470431
SNP_P1_209087_16398	NW_004516191.1	Scaffold820	16398	CC	TT	1940470432
SNP_P1_209088_16405	NW_004516191.1	Scaffold820	16405	CC	GG	1940470433
SNP_P1_209089_16430	NW_004516191.1	Scaffold820	16430	TT	GG	1940470434
SNP_P1_209090_17962	NW_004516191.1	Scaffold820	17962	TT	CC	1940470435
SNP_P1_209091_22105	NW_004516191.1	Scaffold820	22105	GG	AA	1940470436
SNP_P1_209092_23335	NW_004516191.1	Scaffold820	23335	AA	CC	1940470437
SNP_P1_209094_25544	NW_004516191.1	Scaffold820	25544	TT	CC	1940470438
SNP_P1_209096_25599	NW_004516191.1	Scaffold820	25599	CC	TT	1940470439
SNP_P1_209097_30402	NW_004516191.1	Scaffold820	30402	CC	GG	1940470440
SNP_P1_209098_30417	NW_004516191.1	Scaffold820	30417	GG	AA	1940470441
SNP_P1_209099_31875	NW_004516191.1	Scaffold820	31875	GG	AA	1940470442
SNP_P1_209101_35727	NW_004516191.1	Scaffold820	35727	CC	AA	1940470443
SNP_P1_209102_36759	NW_004516191.1	Scaffold820	36759	AA	GG	1940470444
SNP_P1_209103_37376	NW_004516191.1	Scaffold820	37376	TT	CC	1940470445
SNP_P1_209104_37445	NW_004516191.1	Scaffold820	37445	AA	CC	1940470446
SNP_P1_209105_37486	NW_004516191.1	Scaffold820	37486	TT	CC	1940470447
SNP_P1_209106_37490	NW_004516191.1	Scaffold820	37490	GG	AA	1940470448
SNP_P1_209107_37494	NW_004516191.1	Scaffold820	37494	TT	AA	1940470449
SNP_P1_209108_37495	NW_004516191.1	Scaffold820	37495	TT	AA	1940470450
SNP_P1_209109_37496	NW_004516191.1	Scaffold820	37496	TT	AA	1940470451
SNP_P1_209110_37839	NW_004516191.1	Scaffold820	37839	GG	AA	1940470452
SNP_P1_209111_39739	NW_004516191.1	Scaffold820	39739	TT	CC	1940470453
SNP_P1_209112_60166	NW_004516191.1	Scaffold820	60166	GG	TT	1940470454
SNP_P1_209113_60167	NW_004516191.1	Scaffold820	60167	AA	CC	1940470455
SNP_P1_209114_28395	NW_004516193.1	Scaffold822	28395	AA	TT	1940470456
SNP_P1_209115_15931	NW_004516194.1	Scaffold823	15931	TT	GG	1940470457
SNP_P1_209116_16034	NW_004516194.1	Scaffold823	16034	AA	TT	1940470458
SNP_P1_209117_22758	NW_004516194.1	Scaffold823	22758	TT	GG	1940470459
SNP_P1_209118_23198	NW_004516194.1	Scaffold823	23198	CC	GG	1940470460
SNP_P1_209119_23204	NW_004516194.1	Scaffold823	23204	AA	TT	1940470461
SNP_P1_209120_24535	NW_004516194.1	Scaffold823	24535	CC	GG	1940470462
SNP_P1_209121_24547	NW_004516194.1	Scaffold823	24547	AA	CC	1940470463
SNP_P1_209122_24618	NW_004516194.1	Scaffold823	24618	AA	GG	1940470464
SNP_P1_209123_24635	NW_004516194.1	Scaffold823	24635	AA	TT	1940470465
SNP_P1_209124_24718	NW_004516194.1	Scaffold823	24718	CC	TT	1940470466
SNP_P1_209125_24744	NW_004516194.1	Scaffold823	24744	TT	AA	1940470468
SNP_P1_209126_24746	NW_004516194.1	Scaffold823	24746	AA	GG	1940470469

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_209128_24832	NW_004516194.1	Scaffold823	24832	CC	AA	1940470471
SNP_P1_209129_28092	NW_004516194.1	Scaffold823	28092	CC	TT	1940470472
SNP_P1_209130_28168	NW_004516194.1	Scaffold823	28168	CC	AA	1940470473
SNP_P1_209131_28296	NW_004516194.1	Scaffold823	28296	TT	CC	1940470474
SNP_P1_209132_28344	NW_004516194.1	Scaffold823	28344	AA	CC	1940470475
SNP_P1_209133_28358	NW_004516194.1	Scaffold823	28358	TT	CC	1940470476
SNP_P1_209134_28360	NW_004516194.1	Scaffold823	28360	CC	TT	1940470477
SNP_P1_209135_28386	NW_004516194.1	Scaffold823	28386	CC	TT	1940470478
SNP_P1_209136_28439	NW_004516194.1	Scaffold823	28439	CC	AA	1940470479
SNP_P1_209137_28464	NW_004516194.1	Scaffold823	28464	CC	AA	1940470480
SNP_P1_209138_28507	NW_004516194.1	Scaffold823	28507	TT	CC	1940470481
SNP_P1_209139_28509	NW_004516194.1	Scaffold823	28509	AA	GG	1940470482
SNP_P1_209140_28514	NW_004516194.1	Scaffold823	28514	TT	CC	1940470483
SNP_P1_209141_28613	NW_004516194.1	Scaffold823	28613	GG	AA	1940470484
SNP_P1_209142_28628	NW_004516194.1	Scaffold823	28628	CC	AA	1940470485
SNP_P1_209143_28661	NW_004516194.1	Scaffold823	28661	TT	GG	1940470486
SNP_P1_209144_28682	NW_004516194.1	Scaffold823	28682	CC	AA	1940470487
SNP_P1_209145_28716	NW_004516194.1	Scaffold823	28716	GG	AA	1940470488
SNP_P1_209146_28717	NW_004516194.1	Scaffold823	28717	GG	TT	1940470489
SNP_P1_209147_28726	NW_004516194.1	Scaffold823	28726	AA	TT	1940470490
SNP_P1_209148_28769	NW_004516194.1	Scaffold823	28769	GG	CC	1940470491
SNP_P1_209149_43819	NW_004516194.1	Scaffold823	43819	CC	TT	1940470492
SNP_P1_209150_47551	NW_004516194.1	Scaffold823	47551	AA	TT	1940470493
SNP_P1_209151_47572	NW_004516194.1	Scaffold823	47572	GG	AA	1940470494
SNP_P1_209152_47654	NW_004516194.1	Scaffold823	47654	GG	CC	1940470495
SNP_P1_209153_47662	NW_004516194.1	Scaffold823	47662	GG	TT	1940470496
SNP_P1_209154_47683	NW_004516194.1	Scaffold823	47683	TT	CC	1940470497
SNP_P1_209155_47684	NW_004516194.1	Scaffold823	47684	CC	TT	1940470498
SNP_P1_209156_47691	NW_004516194.1	Scaffold823	47691	TT	CC	1940470499
SNP_P1_209157_47817	NW_004516194.1	Scaffold823	47817	TT	CC	1940470500
SNP_P1_209158_47910	NW_004516194.1	Scaffold823	47910	TT	CC	1940470501
SNP_P1_209159_47950	NW_004516194.1	Scaffold823	47950	CC	GG	1940470502
SNP_P1_209160_47957	NW_004516194.1	Scaffold823	47957	AA	GG	1940470503
SNP_P1_209161_48128	NW_004516194.1	Scaffold823	48128	TT	CC	1940470504
SNP_P1_209162_48156	NW_004516194.1	Scaffold823	48156	TT	CC	1940470505
SNP_P1_209163_48208	NW_004516194.1	Scaffold823	48208	AA	TT	1940470506
SNP_P1_209164_48216	NW_004516194.1	Scaffold823	48216	AA	CC	1940470507
SNP_P1_209165_48454	NW_004516194.1	Scaffold823	48454	TT	GG	1940470508
SNP_P1_209166_48497	NW_004516194.1	Scaffold823	48497	CC	TT	1940470509
SNP_P1_209167_49476	NW_004516194.1	Scaffold823	49476	CC	GG	1940470510
SNP_P1_209168_49601	NW_004516194.1	Scaffold823	49601	AA	TT	1940470511

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_209170_49731	NW_004516194.1	Scaffold823	49731	CC	TT	1940470513
SNP_P1_209171_49958	NW_004516194.1	Scaffold823	49958	TT	CC	1940470514
SNP_P1_209172_49976	NW_004516194.1	Scaffold823	49976	AA	GG	1940470515
SNP_P1_209173_49984	NW_004516194.1	Scaffold823	49984	CC	TT	1940470516
SNP_P1_209175_53722	NW_004516194.1	Scaffold823	53722	GG	CC	1940470517
SNP_P1_209176_53868	NW_004516194.1	Scaffold823	53868	TT	AA	1940470518
SNP_P1_209177_53932	NW_004516194.1	Scaffold823	53932	AA	TT	1940470519
SNP_P1_209178_53939	NW_004516194.1	Scaffold823	53939	TT	CC	1940470520
SNP_P1_209179_53970	NW_004516194.1	Scaffold823	53970	GG	AA	1940470521
SNP_P1_209180_53989	NW_004516194.1	Scaffold823	53989	TT	CC	1940470522
SNP_P1_209181_53990	NW_004516194.1	Scaffold823	53990	AA	GG	1940470523
SNP_P1_209182_54211	NW_004516194.1	Scaffold823	54211	AA	CC	1940470524
SNP_P1_209183_58544	NW_004516194.1	Scaffold823	58544	CC	TT	1940470525
SNP_P1_209184_58879	NW_004516194.1	Scaffold823	58879	TT	AA	1940470526
SNP_P1_209185_60166	NW_004516194.1	Scaffold823	60166	TT	CC	1940470527
SNP_P1_209186_60461	NW_004516194.1	Scaffold823	60461	TT	CC	1940470528
SNP_P1_209187_60481	NW_004516194.1	Scaffold823	60481	TT	CC	1940470529
SNP_P1_209188_60509	NW_004516194.1	Scaffold823	60509	TT	AA	1940470530
SNP_P1_209189_60911	NW_004516194.1	Scaffold823	60911	AA	GG	1940470531
SNP_P1_209190_60912	NW_004516194.1	Scaffold823	60912	TT	AA	1940470532
SNP_P1_209191_61969	NW_004516194.1	Scaffold823	61969	CC	TT	1940470533
SNP_P1_209192_62011	NW_004516194.1	Scaffold823	62011	TT	AA	1940470534
SNP_P1_209193_62029	NW_004516194.1	Scaffold823	62029	GG	TT	1940470535
SNP_P1_209194_62073	NW_004516194.1	Scaffold823	62073	AA	GG	1940470536
SNP_P1_209195_62138	NW_004516194.1	Scaffold823	62138	CC	TT	1940470537
SNP_P1_209196_62364	NW_004516194.1	Scaffold823	62364	CC	TT	1940470538
SNP_P1_209197_62412	NW_004516194.1	Scaffold823	62412	CC	TT	1940470539
SNP_P1_209198_62643	NW_004516194.1	Scaffold823	62643	AA	TT	1940470540
SNP_P1_209199_62675	NW_004516194.1	Scaffold823	62675	CC	TT	1940470541
SNP_P1_209200_62839	NW_004516194.1	Scaffold823	62839	AA	GG	1940470542
SNP_P1_209201_62933	NW_004516194.1	Scaffold823	62933	TT	CC	1940470543
SNP_P1_209202_62945	NW_004516194.1	Scaffold823	62945	TT	CC	1940470544
SNP_P1_209203_63076	NW_004516194.1	Scaffold823	63076	TT	AA	1940470545
SNP_P1_209204_63115	NW_004516194.1	Scaffold823	63115	AA	GG	1940470546
SNP_P1_209205_63126	NW_004516194.1	Scaffold823	63126	TT	CC	1940470547
SNP_P1_209206_63157	NW_004516194.1	Scaffold823	63157	TT	AA	1940470548
SNP_P1_209207_63320	NW_004516194.1	Scaffold823	63320	CC	GG	1940470549
SNP_P1_209208_63434	NW_004516194.1	Scaffold823	63434	AA	GG	1940470550
SNP_P1_209209_63541	NW_004516194.1	Scaffold823	63541	TT	AA	1940470551
SNP_P1_209210_63544	NW_004516194.1	Scaffold823	63544	GG	AA	1940470552
SNP_P1_209211_63740	NW_004516194.1	Scaffold823	63740	TT	CC	1940470553

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209213_5898	NW_004516195.1	Scaffold824	5898	AA	GG	1940470554
SNP_P1_209215_6345	NW_004516195.1	Scaffold824	6345	CC	AA	1940470555
SNP_P1_209216_7112	NW_004516195.1	Scaffold824	7112	AA	TT	1940470556
SNP_P1_209217_7219	NW_004516195.1	Scaffold824	7219	AA	GG	1940470557
SNP_P1_209218_7224	NW_004516195.1	Scaffold824	7224	GG	TT	1940470558
SNP_P1_209219_7281	NW_004516195.1	Scaffold824	7281	AA	TT	1940470559
SNP_P1_209220_7289	NW_004516195.1	Scaffold824	7289	GG	TT	1940470560
SNP_P1_209221_7316	NW_004516195.1	Scaffold824	7316	GG	TT	1940470561
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SNP_P1_209223_7652	NW_004516195.1	Scaffold824	7652	TT	CC	1940470563
SNP_P1_209224_7659	NW_004516195.1	Scaffold824	7659	TT	CC	1940470564
SNP_P1_209225_11465	NW_004516195.1	Scaffold824	11465	CC	AA	1940470565
SNP_P1_209226_11528	NW_004516195.1	Scaffold824	11528	AA	GG	1940470566
SNP_P1_209227_11532	NW_004516195.1	Scaffold824	11532	AA	GG	1940470567
SNP_P1_209228_11552	NW_004516195.1	Scaffold824	11552	GG	AA	1940470568
SNP_P1_209229_11781	NW_004516195.1	Scaffold824	11781	CC	TT	1940470569
SNP_P1_209230_11788	NW_004516195.1	Scaffold824	11788	GG	AA	1940470570
SNP_P1_209231_11822	NW_004516195.1	Scaffold824	11822	AA	TT	1940470571
SNP_P1_209233_12002	NW_004516195.1	Scaffold824	12002	CC	TT	1940470572
SNP_P1_209234_12013	NW_004516195.1	Scaffold824	12013	AA	GG	1940470573
SNP_P1_209235_19968	NW_004516195.1	Scaffold824	19968	AA	GG	1940470574
SNP_P1_209236_20003	NW_004516195.1	Scaffold824	20003	AA	GG	1940470575
SNP_P1_209237_20326	NW_004516195.1	Scaffold824	20326	AA	GG	1940470576
SNP_P1_209238_20632	NW_004516195.1	Scaffold824	20632	AA	TT	1940470577
SNP_P1_209239_20920	NW_004516195.1	Scaffold824	20920	AA	TT	1940470578
SNP_P1_209240_21208	NW_004516195.1	Scaffold824	21208	TT	CC	1940470579
SNP_P1_209241_21226	NW_004516195.1	Scaffold824	21226	CC	TT	1940470580
SNP_P1_209242_21266	NW_004516195.1	Scaffold824	21266	AA	GG	1940470581
SNP_P1_209243_21302	NW_004516195.1	Scaffold824	21302	TT	GG	1940470582
SNP_P1_209245_21336	NW_004516195.1	Scaffold824	21336	CC	TT	1940470583
SNP_P1_209246_21339	NW_004516195.1	Scaffold824	21339	CC	TT	1940470584
SNP_P1_209247_21344	NW_004516195.1	Scaffold824	21344	TT	GG	1940470585
SNP_P1_209248_21351	NW_004516195.1	Scaffold824	21351	TT	CC	1940470586
SNP_P1_209249_21467	NW_004516195.1	Scaffold824	21467	TT	CC	1940470587
SNP_P1_209250_21687	NW_004516195.1	Scaffold824	21687	GG	AA	1940470588
SNP_P1_209251_4464	NW_004516196.1	Scaffold825	4464	AA	GG	1940470589
SNP_P1_209252_4716	NW_004516196.1	Scaffold825	4716	TT	AA	1940470590
SNP_P1_209254_5147	NW_004516198.1	Scaffold829	5147	CC	TT	1940470591
SNP_P1_209255_5381	NW_004516198.1	Scaffold829	5381	GG	AA	1940470592
SNP_P1_209256_5496	NW_004516198.1	Scaffold829	5496	GG	TT	1940470593
SNP_P1_209257_5525	NW_004516198.1	Scaffold829	5525	GG	AA	1940470594
SNP_P1_209258_8049	NW_004516198.1	Scaffold829	8049	GG	AA	1940470595

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_209261_8378	NW_004516198.1	Scaffold829	8378	GG	AA	1940470597
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SNP_P1_209263_8517	NW_004516198.1	Scaffold829	8517	GG	AA	1940470599
SNP_P1_209264_8536	NW_004516198.1	Scaffold829	8536	AA	TT	1940470600
SNP_P1_209265_8557	NW_004516198.1	Scaffold829	8557	AA	GG	1940470601
SNP_P1_209266_8583	NW_004516198.1	Scaffold829	8583	AA	GG	1940470602
SNP_P1_209267_8619	NW_004516198.1	Scaffold829	8619	AA	GG	1940470603
SNP_P1_209268_8671	NW_004516198.1	Scaffold829	8671	TT	CC	1940470604
SNP_P1_209269_8680	NW_004516198.1	Scaffold829	8680	TT	CC	1940470605
SNP_P1_209270_8749	NW_004516198.1	Scaffold829	8749	GG	AA	1940470606
SNP_P1_209271_8783	NW_004516198.1	Scaffold829	8783	CC	TT	1940470607
SNP_P1_209272_8845	NW_004516198.1	Scaffold829	8845	CC	TT	1940470608
SNP_P1_209273_8935	NW_004516198.1	Scaffold829	8935	GG	CC	1940470609
SNP_P1_209274_8976	NW_004516198.1	Scaffold829	8976	AA	CC	1940470610
SNP_P1_209275_9026	NW_004516198.1	Scaffold829	9026	AA	CC	1940470611
SNP_P1_209276_9041	NW_004516198.1	Scaffold829	9041	AA	GG	1940470612
SNP_P1_209277_9045	NW_004516198.1	Scaffold829	9045	CC	GG	1940470613
SNP_P1_209278_9145	NW_004516198.1	Scaffold829	9145	GG	CC	1940470614
SNP_P1_209279_9148	NW_004516198.1	Scaffold829	9148	AA	GG	1940470615
SNP_P1_209280_9151	NW_004516198.1	Scaffold829	9151	TT	AA	1940470616
SNP_P1_209281_9256	NW_004516198.1	Scaffold829	9256	TT	CC	1940470617
SNP_P1_209282_9263	NW_004516198.1	Scaffold829	9263	AA	GG	1940470618
SNP_P1_209283_9287	NW_004516198.1	Scaffold829	9287	AA	GG	1940470619
SNP_P1_209284_9363	NW_004516198.1	Scaffold829	9363	CC	GG	1940470620
SNP_P1_209285_9688	NW_004516198.1	Scaffold829	9688	GG	CC	1940470621
SNP_P1_209286_9770	NW_004516198.1	Scaffold829	9770	TT	AA	1940470622
SNP_P1_209287_9850	NW_004516198.1	Scaffold829	9850	CC	TT	1940470623
SNP_P1_209288_9939	NW_004516198.1	Scaffold829	9939	TT	GG	1940470624
SNP_P1_209289_10145	NW_004516198.1	Scaffold829	10145	TT	GG	1940470625
SNP_P1_209290_10182	NW_004516198.1	Scaffold829	10182	TT	AA	1940470626
SNP_P1_209291_10217	NW_004516198.1	Scaffold829	10217	TT	AA	1940470627
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SNP_P1_209294_10773	NW_004516198.1	Scaffold829	10773	TT	GG	1940470630
SNP_P1_209295_10779	NW_004516198.1	Scaffold829	10779	TT	GG	1940470631
SNP_P1_209296_10818	NW_004516198.1	Scaffold829	10818	CC	TT	1940470633
SNP_P1_209297_10904	NW_004516198.1	Scaffold829	10904	TT	AA	1940470634
SNP_P1_209299_11096	NW_004516198.1	Scaffold829	11096	GG	AA	1940470635
SNP_P1_209300_11253	NW_004516198.1	Scaffold829	11253	TT	GG	1940470636
SNP_P1_209302_12295	NW_004516198.1	Scaffold829	12295	TT	AA	1940470637
SNP_P1_209303_12375	NW_004516198.1	Scaffold829	12375	CC	TT	1940470638

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209305_12475	NW_004516198.1	Scaffold829	12475	CC	TT	1940470639
SNP_P1_209306_12477	NW_004516198.1	Scaffold829	12477	TT	CC	1940470640
SNP_P1_209307_12529	NW_004516198.1	Scaffold829	12529	TT	GG	1940470641
SNP_P1_209308_12630	NW_004516198.1	Scaffold829	12630	TT	AA	1940470642
SNP_P1_209309_12702	NW_004516198.1	Scaffold829	12702	CC	TT	1940470643
SNP_P1_209310_16338	NW_004516198.1	Scaffold829	16338	TT	CC	1940470644
SNP_P1_209311_16417	NW_004516198.1	Scaffold829	16417	TT	CC	1940470645
SNP_P1_209312_18365	NW_004516198.1	Scaffold829	18365	CC	GG	1940470646
SNP_P1_209313_21794	NW_004516198.1	Scaffold829	21794	AA	TT	1940470647
SNP_P1_209314_1356	NW_004516199.1	Scaffold831	1356	AA	GG	1940470648
SNP_P1_209315_1365	NW_004516199.1	Scaffold831	1365	AA	GG	1940470649
SNP_P1_209316_1388	NW_004516199.1	Scaffold831	1388	AA	CC	1940470650
SNP_P1_209317_1397	NW_004516199.1	Scaffold831	1397	TT	AA	1940470651
SNP_P1_209318_1422	NW_004516199.1	Scaffold831	1422	AA	GG	1940470652
SNP_P1_209319_1838	NW_004516199.1	Scaffold831	1838	AA	GG	1940470653
SNP_P1_209320_7625	NW_004516199.1	Scaffold831	7625	GG	AA	1940470654
SNP_P1_209321_7654	NW_004516199.1	Scaffold831	7654	GG	AA	1940470655
SNP_P1_209322_16865	NW_004516199.1	Scaffold831	16865	GG	AA	1940470656
SNP_P1_209323_23932	NW_004516199.1	Scaffold831	23932	CC	TT	1940470657
SNP_P1_209324_35005	NW_004516199.1	Scaffold831	35005	TT	AA	1940470658
SNP_P1_209325_43625	NW_004516199.1	Scaffold831	43625	AA	TT	1940470659
SNP_P1_209326_43912	NW_004516199.1	Scaffold831	43912	TT	GG	1940470660
SNP_P1_209327_49258	NW_004516199.1	Scaffold831	49258	AA	GG	1940470661
SNP_P1_209329_49763	NW_004516199.1	Scaffold831	49763	AA	GG	1940470662
SNP_P1_209330_49765	NW_004516199.1	Scaffold831	49765	CC	AA	1940470663
SNP_P1_209332_50798	NW_004516199.1	Scaffold831	50798	CC	TT	1940470664
SNP_P1_209333_52432	NW_004516199.1	Scaffold831	52432	GG	TT	1940470665
SNP_P1_209334_52525	NW_004516199.1	Scaffold831	52525	TT	CC	1940470666
SNP_P1_209335_52831	NW_004516199.1	Scaffold831	52831	AA	GG	1940470667
SNP_P1_209336_56674	NW_004516199.1	Scaffold831	56674	AA	CC	1940470668
SNP_P1_209337_56896	NW_004516199.1	Scaffold831	56896	TT	AA	1940470669
SNP_P1_209338_56906	NW_004516199.1	Scaffold831	56906	CC	AA	1940470670
SNP_P1_209339_56920	NW_004516199.1	Scaffold831	56920	CC	GG	1940470671
SNP_P1_209341_57226	NW_004516199.1	Scaffold831	57226	TT	CC	1940470672
SNP_P1_209342_57234	NW_004516199.1	Scaffold831	57234	GG	TT	1940470673
SNP_P1_209343_57246	NW_004516199.1	Scaffold831	57246	CC	TT	1940470674
SNP_P1_209344_57253	NW_004516199.1	Scaffold831	57253	GG	TT	1940470675
SNP_P1_209345_58936	NW_004516199.1	Scaffold831	58936	TT	GG	1940470676
SNP_P1_209346_58955	NW_004516199.1	Scaffold831	58955	CC	TT	1940470677
SNP_P1_209347_58984	NW_004516199.1	Scaffold831	58984	AA	CC	1940470678
SNP_P1_209348_59314	NW_004516199.1	Scaffold831	59314	AA	GG	1940470679
SNP_P1_209349_59325	NW_004516199.1	Scaffold831	59325	CC	GG	1940470680

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_209351_61880	NW_004516199.1	Scaffold831	61880	AA	GG	1940470682
SNP_P1_209352_74965	NW_004516199.1	Scaffold831	74965	CC	AA	1940470683
SNP_P1_209353_75009	NW_004516199.1	Scaffold831	75009	GG	TT	1940470684
SNP_P1_209354_83025	NW_004516199.1	Scaffold831	83025	GG	TT	1940470685
SNP_P1_209355_84196	NW_004516199.1	Scaffold831	84196	AA	GG	1940470686
SNP_P1_209356_86638	NW_004516199.1	Scaffold831	86638	AA	GG	1940470687
SNP_P1_209357_93104	NW_004516199.1	Scaffold831	93104	AA	TT	1940470688
SNP_P1_209358_93110	NW_004516199.1	Scaffold831	93110	AA	CC	1940470689
SNP_P1_209359_93126	NW_004516199.1	Scaffold831	93126	AA	TT	1940470690
SNP_P1_209360_826	NW_004516200.1	Scaffold833	826	CC	TT	1940470691
SNP_P1_209361_13811	NW_004516200.1	Scaffold833	13811	TT	AA	1940470692
SNP_P1_209362_14082	NW_004516200.1	Scaffold833	14082	AA	GG	1940470693
SNP_P1_209363_15838	NW_004516200.1	Scaffold833	15838	AA	GG	1940470694
SNP_P1_209364_17684	NW_004516200.1	Scaffold833	17684	AA	GG	1940470695
SNP_P1_209365_17976	NW_004516200.1	Scaffold833	17976	TT	CC	1940470696
SNP_P1_209366_18071	NW_004516200.1	Scaffold833	18071	AA	GG	1940470697
SNP_P1_209367_18452	NW_004516200.1	Scaffold833	18452	AA	CC	1940470698
SNP_P1_209368_546	NW_004516205.1	Scaffold840	546	GG	AA	1940470699
SNP_P1_209369_548	NW_004516205.1	Scaffold840	548	TT	GG	1940470700
SNP_P1_209370_64	NW_004516206.1	Scaffold841	64	AA	GG	1940470701
SNP_P1_209371_65	NW_004516206.1	Scaffold841	65	CC	TT	1940470702
SNP_P1_209372_140	NW_004516206.1	Scaffold841	140	TT	GG	1940470703
SNP_P1_209373_200	NW_004516206.1	Scaffold841	200	TT	CC	1940470704
SNP_P1_209374_209	NW_004516206.1	Scaffold841	209	AA	TT	1940470705
SNP_P1_209376_351	NW_004516206.1	Scaffold841	351	AA	GG	1940470706
SNP_P1_209377_428	NW_004516206.1	Scaffold841	428	GG	TT	1940470707
SNP_P1_209379_491	NW_004516206.1	Scaffold841	491	TT	AA	1940470708
SNP_P1_209381_541	NW_004516206.1	Scaffold841	541	CC	TT	1940470709
SNP_P1_209382_543	NW_004516206.1	Scaffold841	543	TT	AA	1940470710
SNP_P1_209383_576	NW_004516206.1	Scaffold841	576	TT	AA	1940470711
SNP_P1_209384_578	NW_004516206.1	Scaffold841	578	CC	AA	1940470712
SNP_P1_209385_581	NW_004516206.1	Scaffold841	581	GG	AA	1940470713
SNP_P1_209386_871	NW_004516206.1	Scaffold841	871	GG	AA	1940470714
SNP_P1_209387_1021	NW_004516206.1	Scaffold841	1021	CC	AA	1940470715
SNP_P1_209388_1093	NW_004516206.1	Scaffold841	1093	GG	TT	1940470716
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SNP_P1_209390_1444	NW_004516206.1	Scaffold841	1444	CC	TT	1940470718
SNP_P1_209391_1472	NW_004516206.1	Scaffold841	1472	AA	CC	1940470719
SNP_P1_209392_2323	NW_004516206.1	Scaffold841	2323	AA	TT	1940470720
SNP_P1_209393_2709	NW_004516206.1	Scaffold841	2709	GG	AA	1940470721
SNP_P1_209394_2860	NW_004516206.1	Scaffold841	2860	CC	TT	1940470722

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_209396_3365	NW_004516206.1	Scaffold841	3365	GG	AA	1940470724
SNP_P1_209397_3498	NW_004516206.1	Scaffold841	3498	TT	CC	1940470725
SNP_P1_209398_9318	NW_004516206.1	Scaffold841	9318	GG	AA	1940470726
SNP_P1_209400_23183	NW_004516206.1	Scaffold841	23183	CC	AA	1940470727
SNP_P1_209401_36062	NW_004516206.1	Scaffold841	36062	AA	GG	1940470728
SNP_P1_209402_36185	NW_004516206.1	Scaffold841	36185	TT	CC	1940470729
SNP_P1_209403_36429	NW_004516206.1	Scaffold841	36429	AA	TT	1940470730
SNP_P1_209404_36460	NW_004516206.1	Scaffold841	36460	CC	TT	1940470731
SNP_P1_209405_37647	NW_004516206.1	Scaffold841	37647	CC	GG	1940470732
SNP_P1_209406_444	NW_004516207.1	Scaffold842	444	TT	CC	1940470733
SNP_P1_209407_454	NW_004516207.1	Scaffold842	454	AA	TT	1940470734
SNP_P1_209408_3678	NW_004516207.1	Scaffold842	3678	GG	CC	1940470735
SNP_P1_209409_4026	NW_004516207.1	Scaffold842	4026	GG	AA	1940470736
SNP_P1_209410_5342	NW_004516207.1	Scaffold842	5342	GG	AA	1940470737
SNP_P1_209411_5387	NW_004516207.1	Scaffold842	5387	TT	AA	1940470738
SNP_P1_209412_5391	NW_004516207.1	Scaffold842	5391	GG	AA	1940470739
SNP_P1_209413_5399	NW_004516207.1	Scaffold842	5399	GG	CC	1940470740
SNP_P1_209414_7238	NW_004516207.1	Scaffold842	7238	TT	CC	1940470741
SNP_P1_209415_7274	NW_004516207.1	Scaffold842	7274	TT	AA	1940470742
SNP_P1_209416_9407	NW_004516207.1	Scaffold842	9407	CC	GG	1940470743
SNP_P1_209417_15524	NW_004516207.1	Scaffold842	15524	TT	GG	1940470744
SNP_P1_209418_15526	NW_004516207.1	Scaffold842	15526	TT	AA	1940470745
SNP_P1_209419_15535	NW_004516207.1	Scaffold842	15535	CC	TT	1940470746
SNP_P1_209420_15689	NW_004516207.1	Scaffold842	15689	AA	GG	1940470747
SNP_P1_209421_16017	NW_004516207.1	Scaffold842	16017	CC	TT	1940470748
SNP_P1_209422_16046	NW_004516207.1	Scaffold842	16046	GG	TT	1940470749
SNP_P1_209423_20345	NW_004516207.1	Scaffold842	20345	TT	AA	1940470750
SNP_P1_209424_20347	NW_004516207.1	Scaffold842	20347	AA	GG	1940470751
SNP_P1_209425_20356	NW_004516207.1	Scaffold842	20356	TT	GG	1940470752
SNP_P1_209426_20371	NW_004516207.1	Scaffold842	20371	AA	GG	1940470753
SNP_P1_209427_20546	NW_004516207.1	Scaffold842	20546	GG	TT	1940470754
SNP_P1_209428_20547	NW_004516207.1	Scaffold842	20547	GG	AA	1940470755
SNP_P1_209429_20559	NW_004516207.1	Scaffold842	20559	GG	CC	1940470756
SNP_P1_209430_20584	NW_004516207.1	Scaffold842	20584	GG	CC	1940470757
SNP_P1_209432_20664	NW_004516207.1	Scaffold842	20664	GG	TT	1940470758
SNP_P1_209433_20736	NW_004516207.1	Scaffold842	20736	AA	GG	1940470759
SNP_P1_209434_20755	NW_004516207.1	Scaffold842	20755	TT	GG	1940470760
SNP_P1_209435_20845	NW_004516207.1	Scaffold842	20845	GG	AA	1940470761
SNP_P1_209436_20870	NW_004516207.1	Scaffold842	20870	AA	GG	1940470762
SNP_P1_209437_20876	NW_004516207.1	Scaffold842	20876	TT	AA	1940470763
SNP_P1_209438_23955	NW_004516207.1	Scaffold842	23955	CC	AA	1940470764

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209439_29137	NW_004516207.1	Scaffold842	29137	TT	CC	1940470765
SNP_P1_209440_29138	NW_004516207.1	Scaffold842	29138	GG	AA	1940470766
SNP_P1_209441_29925	NW_004516207.1	Scaffold842	29925	CC	AA	1940470767
SNP_P1_209443_34263	NW_004516207.1	Scaffold842	34263	AA	GG	1940470768
SNP_P1_209444_34513	NW_004516207.1	Scaffold842	34513	GG	AA	1940470769
SNP_P1_209445_39478	NW_004516207.1	Scaffold842	39478	CC	AA	1940470770
SNP_P1_209446_39509	NW_004516207.1	Scaffold842	39509	AA	CC	1940470771
SNP_P1_209447_39550	NW_004516207.1	Scaffold842	39550	TT	AA	1940470772
SNP_P1_209448_39862	NW_004516207.1	Scaffold842	39862	TT	CC	1940470773
SNP_P1_209449_39914	NW_004516207.1	Scaffold842	39914	TT	CC	1940470774
SNP_P1_209450_1747	NW_004516208.1	Scaffold843	1747	CC	TT	1940470775
SNP_P1_209451_1798	NW_004516208.1	Scaffold843	1798	CC	GG	1940470776
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SNP_P1_209453_2198	NW_004516208.1	Scaffold843	2198	TT	CC	1940470778
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SNP_P1_209455_2350	NW_004516208.1	Scaffold843	2350	GG	AA	1940470780
SNP_P1_209456_2484	NW_004516208.1	Scaffold843	2484	GG	AA	1940470781
SNP_P1_209457_2530	NW_004516208.1	Scaffold843	2530	TT	CC	1940470782
SNP_P1_209458_2633	NW_004516208.1	Scaffold843	2633	AA	GG	1940470783
SNP_P1_209459_2945	NW_004516208.1	Scaffold843	2945	CC	AA	1940470784
SNP_P1_209460_3505	NW_004516208.1	Scaffold843	3505	GG	AA	1940470785
SNP_P1_209461_4155	NW_004516208.1	Scaffold843	4155	TT	AA	1940470786
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SNP_P1_209463_4449	NW_004516208.1	Scaffold843	4449	TT	CC	1940470788
SNP_P1_209464_4480	NW_004516208.1	Scaffold843	4480	AA	CC	1940470789
SNP_P1_209465_4565	NW_004516208.1	Scaffold843	4565	AA	TT	1940470790
SNP_P1_209466_4632	NW_004516208.1	Scaffold843	4632	TT	AA	1940470791
SNP_P1_209467_6160	NW_004516208.1	Scaffold843	6160	TT	AA	1940470792
SNP_P1_209468_25691	NW_004516208.1	Scaffold843	25691	CC	AA	1940470793
SNP_P1_209469_26045	NW_004516208.1	Scaffold843	26045	GG	AA	1940470794
SNP_P1_209472_1463	NW_004516210.1	Scaffold845	1463	CC	TT	1940470795
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SNP_P1_209476_2225	NW_004516210.1	Scaffold845	2225	CC	TT	1940470799
SNP_P1_209483_3675	NW_004516210.1	Scaffold845	3675	GG	AA	1940470800
SNP_P1_209484_7286	NW_004516210.1	Scaffold845	7286	TT	AA	1940470801
SNP_P1_209485_7300	NW_004516210.1	Scaffold845	7300	GG	CC	1940470802
SNP_P1_209486_7731	NW_004516210.1	Scaffold845	7731	TT	AA	1940470803
SNP_P1_209487_11341	NW_004516210.1	Scaffold845	11341	AA	TT	1940470804
SNP_P1_209488_11349	NW_004516210.1	Scaffold845	11349	AA	CC	1940470805
SNP_P1_209489_11381	NW_004516210.1	Scaffold845	11381	GG	AA	1940470806
SNP_P1_209490_11389	NW_004516210.1	Scaffold845	11389	AA	TT	1940470807

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_209492_11401	NW_004516210.1	Scaffold845	11401	AA	CC	1940470809
SNP_P1_209493_11554	NW_004516210.1	Scaffold845	11554	CC	TT	1940470810
SNP_P1_209494_11601	NW_004516210.1	Scaffold845	11601	AA	CC	1940470811
SNP_P1_209495_11831	NW_004516210.1	Scaffold845	11831	TT	CC	1940470812
SNP_P1_209496_12457	NW_004516210.1	Scaffold845	12457	TT	GG	1940470813
SNP_P1_209498_16522	NW_004516210.1	Scaffold845	16522	AA	TT	1940470814
SNP_P1_209499_16958	NW_004516210.1	Scaffold845	16958	GG	AA	1940470815
SNP_P1_209500_17351	NW_004516210.1	Scaffold845	17351	TT	CC	1940470816
SNP_P1_209501_17369	NW_004516210.1	Scaffold845	17369	CC	TT	1940470817
SNP_P1_209502_17396	NW_004516210.1	Scaffold845	17396	CC	AA	1940470818
SNP_P1_209503_17443	NW_004516210.1	Scaffold845	17443	TT	AA	1940470819
SNP_P1_209504_17468	NW_004516210.1	Scaffold845	17468	AA	GG	1940470820
SNP_P1_209505_17568	NW_004516210.1	Scaffold845	17568	AA	GG	1940470821
SNP_P1_209507_17623	NW_004516210.1	Scaffold845	17623	GG	AA	1940470822
SNP_P1_209509_17686	NW_004516210.1	Scaffold845	17686	TT	CC	1940470823
SNP_P1_209510_17935	NW_004516210.1	Scaffold845	17935	AA	TT	1940470824
SNP_P1_209511_17939	NW_004516210.1	Scaffold845	17939	GG	AA	1940470825
SNP_P1_209512_17963	NW_004516210.1	Scaffold845	17963	GG	CC	1940470826
SNP_P1_209513_18530	NW_004516210.1	Scaffold845	18530	TT	GG	1940470827
SNP_P1_209514_18531	NW_004516210.1	Scaffold845	18531	CC	AA	1940470828
SNP_P1_209515_18532	NW_004516210.1	Scaffold845	18532	TT	CC	1940470829
SNP_P1_209516_18554	NW_004516210.1	Scaffold845	18554	GG	AA	1940470830
SNP_P1_209518_18629	NW_004516210.1	Scaffold845	18629	CC	TT	1940470831
SNP_P1_209519_18633	NW_004516210.1	Scaffold845	18633	CC	TT	1940470832
SNP_P1_209520_18637	NW_004516210.1	Scaffold845	18637	TT	CC	1940470833
SNP_P1_209521_18765	NW_004516210.1	Scaffold845	18765	TT	GG	1940470834
SNP_P1_209522_18766	NW_004516210.1	Scaffold845	18766	GG	TT	1940470835
SNP_P1_209523_18780	NW_004516210.1	Scaffold845	18780	CC	TT	1940470836
SNP_P1_209526_18992	NW_004516210.1	Scaffold845	18992	GG	AA	1940470837
SNP_P1_209527_19015	NW_004516210.1	Scaffold845	19015	TT	AA	1940470838
SNP_P1_209528_19016	NW_004516210.1	Scaffold845	19016	GG	CC	1940470839
SNP_P1_209529_19018	NW_004516210.1	Scaffold845	19018	TT	GG	1940470840
SNP_P1_209530_19026	NW_004516210.1	Scaffold845	19026	AA	GG	1940470841
SNP_P1_209532_19129	NW_004516210.1	Scaffold845	19129	TT	CC	1940470842
SNP_P1_209533_19279	NW_004516210.1	Scaffold845	19279	TT	CC	1940470843
SNP_P1_209534_19285	NW_004516210.1	Scaffold845	19285	CC	TT	1940470844
SNP_P1_209535_19703	NW_004516210.1	Scaffold845	19703	TT	CC	1940470845
SNP_P1_209536_19851	NW_004516210.1	Scaffold845	19851	CC	AA	1940470846
SNP_P1_209537_21309	NW_004516210.1	Scaffold845	21309	AA	GG	1940470847
SNP_P1_209538_21341	NW_004516210.1	Scaffold845	21341	CC	TT	1940470848
SNP_P1_209539_21344	NW_004516210.1	Scaffold845	21344	CC	TT	1940470849

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209540_21599	NW_004516210.1	Scaffold845	21599	CC	TT	1940470850
SNP_P1_209541_21612	NW_004516210.1	Scaffold845	21612	AA	GG	1940470851
SNP_P1_209542_21640	NW_004516210.1	Scaffold845	21640	CC	TT	1940470852
SNP_P1_209543_21657	NW_004516210.1	Scaffold845	21657	GG	AA	1940470853
SNP_P1_209544_21673	NW_004516210.1	Scaffold845	21673	CC	TT	1940470854
SNP_P1_209545_21681	NW_004516210.1	Scaffold845	21681	TT	AA	1940470855
SNP_P1_209546_21700	NW_004516210.1	Scaffold845	21700	AA	TT	1940470856
SNP_P1_209547_22155	NW_004516210.1	Scaffold845	22155	TT	AA	1940470857
SNP_P1_209549_22344	NW_004516210.1	Scaffold845	22344	AA	GG	1940470858
SNP_P1_209550_22401	NW_004516210.1	Scaffold845	22401	GG	AA	1940470859
SNP_P1_209551_23311	NW_004516210.1	Scaffold845	23311	AA	CC	1940470860
SNP_P1_209552_23521	NW_004516210.1	Scaffold845	23521	AA	TT	1940470861
SNP_P1_209553_23523	NW_004516210.1	Scaffold845	23523	CC	GG	1940470862
SNP_P1_209555_23573	NW_004516210.1	Scaffold845	23573	TT	GG	1940470863
SNP_P1_209557_24476	NW_004516210.1	Scaffold845	24476	CC	GG	1940470864
SNP_P1_209558_24796	NW_004516210.1	Scaffold845	24796	TT	AA	1940470865
SNP_P1_209560_24814	NW_004516210.1	Scaffold845	24814	AA	GG	1940470866
SNP_P1_209561_24815	NW_004516210.1	Scaffold845	24815	CC	TT	1940470867
SNP_P1_209562_24938	NW_004516210.1	Scaffold845	24938	TT	AA	1940470868
SNP_P1_209563_25536	NW_004516210.1	Scaffold845	25536	TT	AA	1940470869
SNP_P1_209564_25540	NW_004516210.1	Scaffold845	25540	AA	CC	1940470870
SNP_P1_209565_25566	NW_004516210.1	Scaffold845	25566	GG	TT	1940470871
SNP_P1_209566_25717	NW_004516210.1	Scaffold845	25717	GG	TT	1940470872
SNP_P1_209567_25751	NW_004516210.1	Scaffold845	25751	TT	AA	1940470873
SNP_P1_209568_27812	NW_004516210.1	Scaffold845	27812	GG	CC	1940470874
SNP_P1_209569_27919	NW_004516210.1	Scaffold845	27919	AA	TT	1940470875
SNP_P1_209571_28483	NW_004516210.1	Scaffold845	28483	TT	CC	1940470876
SNP_P1_209572_28520	NW_004516210.1	Scaffold845	28520	AA	CC	1940470877
SNP_P1_209573_28525	NW_004516210.1	Scaffold845	28525	TT	AA	1940470878
SNP_P1_209574_28528	NW_004516210.1	Scaffold845	28528	AA	GG	1940470879
SNP_P1_209576_28566	NW_004516210.1	Scaffold845	28566	GG	TT	1940470880
SNP_P1_209577_29412	NW_004516210.1	Scaffold845	29412	CC	GG	1940470881
SNP_P1_209578_31132	NW_004516210.1	Scaffold845	31132	TT	CC	1940470882
SNP_P1_209579_31696	NW_004516210.1	Scaffold845	31696	TT	GG	1940470883
SNP_P1_209580_31721	NW_004516210.1	Scaffold845	31721	TT	AA	1940470884
SNP_P1_209582_31891	NW_004516210.1	Scaffold845	31891	CC	TT	1940470885
SNP_P1_209584_31959	NW_004516210.1	Scaffold845	31959	TT	CC	1940470886
SNP_P1_209585_31961	NW_004516210.1	Scaffold845	31961	GG	CC	1940470887
SNP_P1_209586_32003	NW_004516210.1	Scaffold845	32003	AA	CC	1940470888
SNP_P1_209587_32027	NW_004516210.1	Scaffold845	32027	AA	TT	1940470889
SNP_P1_209588_32334	NW_004516210.1	Scaffold845	32334	CC	TT	1940470890
SNP_P1_209589_33298	NW_004516210.1	Scaffold845	33298	TT	CC	1940470891

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209590_33303	NW_004516210.1	Scaffold845	33303	TT	CC	1940470892
SNP_P1_209591_33321	NW_004516210.1	Scaffold845	33321	TT	CC	1940470893
SNP_P1_209592_33324	NW_004516210.1	Scaffold845	33324	GG	AA	1940470894
SNP_P1_209593_33327	NW_004516210.1	Scaffold845	33327	GG	AA	1940470895
SNP_P1_209594_33339	NW_004516210.1	Scaffold845	33339	TT	CC	1940470896
SNP_P1_209595_33355	NW_004516210.1	Scaffold845	33355	AA	GG	1940470897
SNP_P1_209596_33366	NW_004516210.1	Scaffold845	33366	CC	TT	1940470898
SNP_P1_209597_33392	NW_004516210.1	Scaffold845	33392	AA	GG	1940470899
SNP_P1_209598_33668	NW_004516210.1	Scaffold845	33668	AA	GG	1940470900
SNP_P1_209600_34240	NW_004516210.1	Scaffold845	34240	CC	GG	1940470901
SNP_P1_209601_34247	NW_004516210.1	Scaffold845	34247	CC	AA	1940470902
SNP_P1_209602_36064	NW_004516210.1	Scaffold845	36064	AA	GG	1940470903
SNP_P1_209603_36072	NW_004516210.1	Scaffold845	36072	GG	AA	1940470904
SNP_P1_209604_36123	NW_004516210.1	Scaffold845	36123	TT	AA	1940470905
SNP_P1_209605_36256	NW_004516210.1	Scaffold845	36256	CC	TT	1940470906
SNP_P1_209606_36257	NW_004516210.1	Scaffold845	36257	GG	AA	1940470907
SNP_P1_209607_36268	NW_004516210.1	Scaffold845	36268	AA	GG	1940470908
SNP_P1_209608_36273	NW_004516210.1	Scaffold845	36273	CC	AA	1940470909
SNP_P1_209609_36280	NW_004516210.1	Scaffold845	36280	CC	AA	1940470910
SNP_P1_209610_36311	NW_004516210.1	Scaffold845	36311	AA	GG	1940470911
SNP_P1_209611_36314	NW_004516210.1	Scaffold845	36314	CC	TT	1940470912
SNP_P1_209612_36360	NW_004516210.1	Scaffold845	36360	CC	GG	1940470913
SNP_P1_209613_36366	NW_004516210.1	Scaffold845	36366	TT	GG	1940470914
SNP_P1_209614_36520	NW_004516210.1	Scaffold845	36520	CC	TT	1940470915
SNP_P1_209615_36522	NW_004516210.1	Scaffold845	36522	AA	TT	1940470916
SNP_P1_209618_37074	NW_004516210.1	Scaffold845	37074	TT	AA	1940470917
SNP_P1_209620_39122	NW_004516210.1	Scaffold845	39122	GG	TT	1940470918
SNP_P1_209623_39902	NW_004516210.1	Scaffold845	39902	CC	AA	1940470919
SNP_P1_209624_39907	NW_004516210.1	Scaffold845	39907	AA	TT	1940470920
SNP_P1_209625_40032	NW_004516210.1	Scaffold845	40032	AA	CC	1940470921
SNP_P1_209626_40034	NW_004516210.1	Scaffold845	40034	AA	TT	1940470922
SNP_P1_209627_40061	NW_004516210.1	Scaffold845	40061	CC	TT	1940470923
SNP_P1_209629_40281	NW_004516210.1	Scaffold845	40281	TT	CC	1940470924
SNP_P1_209630_40305	NW_004516210.1	Scaffold845	40305	GG	CC	1940470925
SNP_P1_209631_40370	NW_004516210.1	Scaffold845	40370	AA	GG	1940470926
SNP_P1_209632_40394	NW_004516210.1	Scaffold845	40394	AA	GG	1940470927
SNP_P1_209634_41990	NW_004516210.1	Scaffold845	41990	TT	CC	1940470928
SNP_P1_209635_41991	NW_004516210.1	Scaffold845	41991	TT	AA	1940470929
SNP_P1_209638_47678	NW_004516210.1	Scaffold845	47678	AA	TT	1940470930
SNP_P1_209641_48005	NW_004516210.1	Scaffold845	48005	AA	GG	1940470931
SNP_P1_209642_48013	NW_004516210.1	Scaffold845	48013	AA	TT	1940470932
SNP_P1_209643_48041	NW_004516210.1	Scaffold845	48041	TT	CC	1940470933

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209645_48137	NW_004516210.1	Scaffold845	48137	CC	AA	1940470934
SNP_P1_209646_48399	NW_004516210.1	Scaffold845	48399	CC	TT	1940470935
SNP_P1_209647_48712	NW_004516210.1	Scaffold845	48712	AA	GG	1940470936
SNP_P1_209648_48842	NW_004516210.1	Scaffold845	48842	TT	CC	1940470937
SNP_P1_209649_48853	NW_004516210.1	Scaffold845	48853	AA	CC	1940470938
SNP_P1_209650_48930	NW_004516210.1	Scaffold845	48930	AA	GG	1940470939
SNP_P1_209651_48956	NW_004516210.1	Scaffold845	48956	GG	AA	1940470940
SNP_P1_209653_49192	NW_004516210.1	Scaffold845	49192	AA	TT	1940470941
SNP_P1_209654_50689	NW_004516210.1	Scaffold845	50689	CC	TT	1940470942
SNP_P1_209655_50696	NW_004516210.1	Scaffold845	50696	AA	GG	1940470943
SNP_P1_209657_52385	NW_004516210.1	Scaffold845	52385	CC	TT	1940470944
SNP_P1_209658_52421	NW_004516210.1	Scaffold845	52421	GG	AA	1940470945
SNP_P1_209659_52444	NW_004516210.1	Scaffold845	52444	TT	GG	1940470946
SNP_P1_209660_53203	NW_004516210.1	Scaffold845	53203	TT	AA	1940470947
SNP_P1_209661_54473	NW_004516210.1	Scaffold845	54473	CC	AA	1940470948
SNP_P1_209663_54512	NW_004516210.1	Scaffold845	54512	GG	AA	1940470949
SNP_P1_209664_54912	NW_004516210.1	Scaffold845	54912	AA	CC	1940470950
SNP_P1_209665_55968	NW_004516210.1	Scaffold845	55968	GG	TT	1940470951
SNP_P1_209666_57347	NW_004516210.1	Scaffold845	57347	AA	TT	1940470952
SNP_P1_209668_59341	NW_004516210.1	Scaffold845	59341	CC	TT	1940470953
SNP_P1_209669_59346	NW_004516210.1	Scaffold845	59346	CC	TT	1940470954
SNP_P1_209670_59377	NW_004516210.1	Scaffold845	59377	TT	AA	1940470955
SNP_P1_209671_59390	NW_004516210.1	Scaffold845	59390	CC	TT	1940470956
SNP_P1_209672_59714	NW_004516210.1	Scaffold845	59714	TT	AA	1940470957
SNP_P1_209673_59775	NW_004516210.1	Scaffold845	59775	GG	AA	1940470958
SNP_P1_209674_59784	NW_004516210.1	Scaffold845	59784	CC	TT	1940470959
SNP_P1_209675_59792	NW_004516210.1	Scaffold845	59792	TT	AA	1940470960
SNP_P1_209676_59815	NW_004516210.1	Scaffold845	59815	AA	CC	1940470962
SNP_P1_209678_60126	NW_004516210.1	Scaffold845	60126	CC	AA	1940470963
SNP_P1_209679_60451	NW_004516210.1	Scaffold845	60451	TT	AA	1940470964
SNP_P1_209680_60456	NW_004516210.1	Scaffold845	60456	TT	CC	1940470965
SNP_P1_209681_60912	NW_004516210.1	Scaffold845	60912	TT	CC	1940470966
SNP_P1_209682_60940	NW_004516210.1	Scaffold845	60940	GG	TT	1940470967
SNP_P1_209684_61230	NW_004516210.1	Scaffold845	61230	GG	AA	1940470968
SNP_P1_209685_61236	NW_004516210.1	Scaffold845	61236	AA	CC	1940470969
SNP_P1_209686_61584	NW_004516210.1	Scaffold845	61584	GG	CC	1940470970
SNP_P1_209687_61826	NW_004516210.1	Scaffold845	61826	CC	AA	1940470971
SNP_P1_209688_63874	NW_004516210.1	Scaffold845	63874	CC	TT	1940470972
SNP_P1_209689_64461	NW_004516210.1	Scaffold845	64461	TT	CC	1940470973
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SNP_P1_209691_64516	NW_004516210.1	Scaffold845	64516	AA	CC	1940470975
SNP_P1_209692_64539	NW_004516210.1	Scaffold845	64539	CC	AA	1940470976

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209693_65882	NW_004516210.1	Scaffold845	65882	AA	GG	1940470977
SNP_P1_209694_65896	NW_004516210.1	Scaffold845	65896	GG	AA	1940470978
SNP_P1_209695_66039	NW_004516210.1	Scaffold845	66039	TT	CC	1940470979
SNP_P1_209696_66047	NW_004516210.1	Scaffold845	66047	AA	CC	1940470980
SNP_P1_209697_66069	NW_004516210.1	Scaffold845	66069	AA	GG	1940470981
SNP_P1_209698_66112	NW_004516210.1	Scaffold845	66112	CC	TT	1940470982
SNP_P1_209699_66293	NW_004516210.1	Scaffold845	66293	AA	GG	1940470983
SNP_P1_209700_66362	NW_004516210.1	Scaffold845	66362	CC	GG	1940470984
SNP_P1_209701_68606	NW_004516210.1	Scaffold845	68606	AA	GG	1940470985
SNP_P1_209702_68609	NW_004516210.1	Scaffold845	68609	GG	AA	1940470986
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SNP_P1_209704_68633	NW_004516210.1	Scaffold845	68633	CC	TT	1940470988
SNP_P1_209705_68661	NW_004516210.1	Scaffold845	68661	TT	CC	1940470989
SNP_P1_209706_68666	NW_004516210.1	Scaffold845	68666	TT	CC	1940470990
SNP_P1_209707_68683	NW_004516210.1	Scaffold845	68683	AA	GG	1940470991
SNP_P1_209708_68698	NW_004516210.1	Scaffold845	68698	TT	CC	1940470992
SNP_P1_209709_68761	NW_004516210.1	Scaffold845	68761	TT	CC	1940470993
SNP_P1_209710_68774	NW_004516210.1	Scaffold845	68774	CC	TT	1940470994
SNP_P1_209711_68776	NW_004516210.1	Scaffold845	68776	GG	AA	1940470995
SNP_P1_209712_68866	NW_004516210.1	Scaffold845	68866	TT	CC	1940470996
SNP_P1_209714_68923	NW_004516210.1	Scaffold845	68923	AA	TT	1940470997
SNP_P1_209715_68924	NW_004516210.1	Scaffold845	68924	AA	TT	1940470998
SNP_P1_209716_68934	NW_004516210.1	Scaffold845	68934	TT	AA	1940470999
SNP_P1_209718_68949	NW_004516210.1	Scaffold845	68949	GG	AA	1940471000
SNP_P1_209719_68956	NW_004516210.1	Scaffold845	68956	AA	CC	1940471001
SNP_P1_209720_68991	NW_004516210.1	Scaffold845	68991	GG	AA	1940471002
SNP_P1_209721_69011	NW_004516210.1	Scaffold845	69011	AA	GG	1940471003
SNP_P1_209722_69223	NW_004516210.1	Scaffold845	69223	CC	TT	1940471004
SNP_P1_209724_69761	NW_004516210.1	Scaffold845	69761	AA	GG	1940471005
SNP_P1_209726_69974	NW_004516210.1	Scaffold845	69974	CC	TT	1940471006
SNP_P1_209727_69978	NW_004516210.1	Scaffold845	69978	GG	TT	1940471007
SNP_P1_209728_70057	NW_004516210.1	Scaffold845	70057	AA	GG	1940471008
SNP_P1_209729_70073	NW_004516210.1	Scaffold845	70073	CC	TT	1940471009
SNP_P1_209730_70135	NW_004516210.1	Scaffold845	70135	CC	TT	1940471010
SNP_P1_209731_70220	NW_004516210.1	Scaffold845	70220	AA	TT	1940471011
SNP_P1_209733_70916	NW_004516210.1	Scaffold845	70916	CC	AA	1940471012
SNP_P1_209735_72200	NW_004516210.1	Scaffold845	72200	AA	CC	1940471013
SNP_P1_209736_72302	NW_004516210.1	Scaffold845	72302	GG	AA	1940471014
SNP_P1_209738_72681	NW_004516210.1	Scaffold845	72681	CC	GG	1940471015
SNP_P1_209739_72689	NW_004516210.1	Scaffold845	72689	TT	CC	1940471016
SNP_P1_209740_73121	NW_004516210.1	Scaffold845	73121	GG	AA	1940471017
SNP_P1_209741_73155	NW_004516210.1	Scaffold845	73155	CC	TT	1940471018

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209742_75476	NW_004516210.1	Scaffold845	75476	CC	TT	1940471019
SNP_P1_209743_75494	NW_004516210.1	Scaffold845	75494	TT	CC	1940471020
SNP_P1_209744_76543	NW_004516210.1	Scaffold845	76543	AA	CC	1940471021
SNP_P1_209745_76848	NW_004516210.1	Scaffold845	76848	AA	CC	1940471022
SNP_P1_209746_76911	NW_004516210.1	Scaffold845	76911	GG	AA	1940471023
SNP_P1_209747_77004	NW_004516210.1	Scaffold845	77004	TT	CC	1940471024
SNP_P1_209748_78193	NW_004516210.1	Scaffold845	78193	AA	TT	1940471025
SNP_P1_209749_78418	NW_004516210.1	Scaffold845	78418	AA	GG	1940471026
SNP_P1_209750_78510	NW_004516210.1	Scaffold845	78510	AA	CC	1940471027
SNP_P1_209751_80752	NW_004516210.1	Scaffold845	80752	AA	CC	1940471028
SNP_P1_209752_81054	NW_004516210.1	Scaffold845	81054	CC	TT	1940471029
SNP_P1_209753_81277	NW_004516210.1	Scaffold845	81277	TT	CC	1940471030
SNP_P1_209754_81473	NW_004516210.1	Scaffold845	81473	AA	CC	1940471031
SNP_P1_209755_81613	NW_004516210.1	Scaffold845	81613	AA	CC	1940471032
SNP_P1_209756_81614	NW_004516210.1	Scaffold845	81614	TT	AA	1940471033
SNP_P1_209757_81663	NW_004516210.1	Scaffold845	81663	CC	TT	1940471034
SNP_P1_209758_81791	NW_004516210.1	Scaffold845	81791	TT	CC	1940471035
SNP_P1_209760_81921	NW_004516210.1	Scaffold845	81921	GG	AA	1940471036
SNP_P1_209761_81969	NW_004516210.1	Scaffold845	81969	CC	TT	1940471037
SNP_P1_209762_81990	NW_004516210.1	Scaffold845	81990	AA	GG	1940471038
SNP_P1_209763_82013	NW_004516210.1	Scaffold845	82013	TT	GG	1940471039
SNP_P1_209764_82147	NW_004516210.1	Scaffold845	82147	TT	GG	1940471040
SNP_P1_209765_82176	NW_004516210.1	Scaffold845	82176	CC	TT	1940471041
SNP_P1_209766_82259	NW_004516210.1	Scaffold845	82259	TT	CC	1940471042
SNP_P1_209767_82272	NW_004516210.1	Scaffold845	82272	GG	CC	1940471043
SNP_P1_209768_82319	NW_004516210.1	Scaffold845	82319	TT	GG	1940471044
SNP_P1_209769_82333	NW_004516210.1	Scaffold845	82333	TT	CC	1940471045
SNP_P1_209770_82337	NW_004516210.1	Scaffold845	82337	AA	TT	1940471046
SNP_P1_209771_82422	NW_004516210.1	Scaffold845	82422	CC	TT	1940471047
SNP_P1_209772_82510	NW_004516210.1	Scaffold845	82510	CC	AA	1940471048
SNP_P1_209773_82519	NW_004516210.1	Scaffold845	82519	GG	AA	1940471049
SNP_P1_209774_82529	NW_004516210.1	Scaffold845	82529	AA	GG	1940471050
SNP_P1_209775_82541	NW_004516210.1	Scaffold845	82541	CC	AA	1940471051
SNP_P1_209776_84384	NW_004516210.1	Scaffold845	84384	GG	TT	1940471052
SNP_P1_209777_84545	NW_004516210.1	Scaffold845	84545	TT	GG	1940471053
SNP_P1_209778_84774	NW_004516210.1	Scaffold845	84774	TT	CC	1940471054
SNP_P1_209779_85250	NW_004516210.1	Scaffold845	85250	AA	TT	1940471055
SNP_P1_209780_85453	NW_004516210.1	Scaffold845	85453	GG	CC	1940471056
SNP_P1_209782_86670	NW_004516210.1	Scaffold845	86670	GG	CC	1940471057
SNP_P1_209783_86671	NW_004516210.1	Scaffold845	86671	AA	GG	1940471058
SNP_P1_209785_87412	NW_004516210.1	Scaffold845	87412	CC	TT	1940471059
SNP_P1_209786_87550	NW_004516210.1	Scaffold845	87550	TT	CC	1940471060

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209787_87565	NW_004516210.1	Scaffold845	87565	TT	AA	1940471061
SNP_P1_209788_87869	NW_004516210.1	Scaffold845	87869	TT	GG	1940471062
SNP_P1_209789_87910	NW_004516210.1	Scaffold845	87910	GG	AA	1940471063
SNP_P1_209791_88026	NW_004516210.1	Scaffold845	88026	GG	AA	1940471064
SNP_P1_209792_88048	NW_004516210.1	Scaffold845	88048	AA	GG	1940471065
SNP_P1_209793_88068	NW_004516210.1	Scaffold845	88068	GG	AA	1940471066
SNP_P1_209794_88269	NW_004516210.1	Scaffold845	88269	GG	AA	1940471067
SNP_P1_209795_88312	NW_004516210.1	Scaffold845	88312	CC	GG	1940471068
SNP_P1_209796_88316	NW_004516210.1	Scaffold845	88316	GG	AA	1940471069
SNP_P1_209798_88890	NW_004516210.1	Scaffold845	88890	GG	TT	1940471070
SNP_P1_209799_93880	NW_004516210.1	Scaffold845	93880	TT	CC	1940471071
SNP_P1_209800_94816	NW_004516210.1	Scaffold845	94816	AA	GG	1940471072
SNP_P1_209801_95260	NW_004516210.1	Scaffold845	95260	TT	CC	1940471073
SNP_P1_209802_96368	NW_004516210.1	Scaffold845	96368	CC	AA	1940471074
SNP_P1_209803_100311	NW_004516210.1	Scaffold845	100311	GG	TT	1940471075
SNP_P1_209804_100380	NW_004516210.1	Scaffold845	100380	GG	AA	1940471076
SNP_P1_209805_100399	NW_004516210.1	Scaffold845	100399	AA	GG	1940471077
SNP_P1_209806_100414	NW_004516210.1	Scaffold845	100414	AA	GG	1940471078
SNP_P1_209807_100466	NW_004516210.1	Scaffold845	100466	CC	TT	1940471079
SNP_P1_209808_100474	NW_004516210.1	Scaffold845	100474	CC	AA	1940471080
SNP_P1_209809_100568	NW_004516210.1	Scaffold845	100568	TT	GG	1940471081
SNP_P1_209810_100578	NW_004516210.1	Scaffold845	100578	CC	TT	1940471082
SNP_P1_209811_100646	NW_004516210.1	Scaffold845	100646	TT	CC	1940471083
SNP_P1_209812_100789	NW_004516210.1	Scaffold845	100789	GG	AA	1940471084
SNP_P1_209813_100879	NW_004516210.1	Scaffold845	100879	CC	TT	1940471085
SNP_P1_209814_100936	NW_004516210.1	Scaffold845	100936	TT	AA	1940471086
SNP_P1_209815_101068	NW_004516210.1	Scaffold845	101068	CC	TT	1940471087
SNP_P1_209816_101075	NW_004516210.1	Scaffold845	101075	CC	GG	1940471088
SNP_P1_209817_101199	NW_004516210.1	Scaffold845	101199	AA	GG	1940471089
SNP_P1_209818_101290	NW_004516210.1	Scaffold845	101290	GG	AA	1940471090
SNP_P1_209819_101347	NW_004516210.1	Scaffold845	101347	GG	AA	1940471091
SNP_P1_209820_101670	NW_004516210.1	Scaffold845	101670	GG	TT	1940471092
SNP_P1_209821_101705	NW_004516210.1	Scaffold845	101705	TT	CC	1940471093
SNP_P1_209822_101723	NW_004516210.1	Scaffold845	101723	CC	TT	1940471094
SNP_P1_209823_101764	NW_004516210.1	Scaffold845	101764	GG	AA	1940471095
SNP_P1_209824_102032	NW_004516210.1	Scaffold845	102032	GG	CC	1940471097
SNP_P1_209825_102151	NW_004516210.1	Scaffold845	102151	GG	AA	1940471098
SNP_P1_209826_102184	NW_004516210.1	Scaffold845	102184	CC	AA	1940471099
SNP_P1_209829_102579	NW_004516210.1	Scaffold845	102579	AA	GG	1940471100
SNP_P1_209830_102712	NW_004516210.1	Scaffold845	102712	CC	GG	1940471101
SNP_P1_209831_102818	NW_004516210.1	Scaffold845	102818	AA	TT	1940471102
SNP_P1_209832_102990	NW_004516210.1	Scaffold845	102990	GG	AA	1940471103

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209834_103276	NW_004516210.1	Scaffold845	103276	TT	CC	1940471104
SNP_P1_209835_103583	NW_004516210.1	Scaffold845	103583	CC	TT	1940471105
SNP_P1_209836_103676	NW_004516210.1	Scaffold845	103676	TT	AA	1940471106
SNP_P1_209837_103708	NW_004516210.1	Scaffold845	103708	GG	AA	1940471107
SNP_P1_209838_103739	NW_004516210.1	Scaffold845	103739	AA	TT	1940471108
SNP_P1_209839_103863	NW_004516210.1	Scaffold845	103863	CC	AA	1940471109
SNP_P1_209840_103891	NW_004516210.1	Scaffold845	103891	TT	CC	1940471110
SNP_P1_209841_103935	NW_004516210.1	Scaffold845	103935	AA	CC	1940471111
SNP_P1_209842_103963	NW_004516210.1	Scaffold845	103963	TT	CC	1940471112
SNP_P1_209843_103986	NW_004516210.1	Scaffold845	103986	GG	AA	1940471113
SNP_P1_209844_104138	NW_004516210.1	Scaffold845	104138	AA	GG	1940471114
SNP_P1_209845_104144	NW_004516210.1	Scaffold845	104144	TT	GG	1940471115
SNP_P1_209846_104159	NW_004516210.1	Scaffold845	104159	CC	TT	1940471116
SNP_P1_209847_104181	NW_004516210.1	Scaffold845	104181	GG	AA	1940471117
SNP_P1_209848_104191	NW_004516210.1	Scaffold845	104191	CC	TT	1940471118
SNP_P1_209849_104345	NW_004516210.1	Scaffold845	104345	CC	TT	1940471119
SNP_P1_209850_104370	NW_004516210.1	Scaffold845	104370	AA	GG	1940471120
SNP_P1_209851_104450	NW_004516210.1	Scaffold845	104450	CC	GG	1940471121
SNP_P1_209852_104534	NW_004516210.1	Scaffold845	104534	TT	GG	1940471122
SNP_P1_209853_104573	NW_004516210.1	Scaffold845	104573	GG	TT	1940471123
SNP_P1_209854_104592	NW_004516210.1	Scaffold845	104592	GG	AA	1940471124
SNP_P1_209855_105733	NW_004516210.1	Scaffold845	105733	TT	AA	1940471125
SNP_P1_209856_105792	NW_004516210.1	Scaffold845	105792	CC	GG	1940471126
SNP_P1_209857_106078	NW_004516210.1	Scaffold845	106078	CC	TT	1940471127
SNP_P1_209858_106176	NW_004516210.1	Scaffold845	106176	GG	TT	1940471128
SNP_P1_209859_106222	NW_004516210.1	Scaffold845	106222	AA	GG	1940471129
SNP_P1_209860_106240	NW_004516210.1	Scaffold845	106240	CC	GG	1940471130
SNP_P1_209861_106399	NW_004516210.1	Scaffold845	106399	AA	CC	1940471131
SNP_P1_209862_106402	NW_004516210.1	Scaffold845	106402	TT	AA	1940471132
SNP_P1_209863_106466	NW_004516210.1	Scaffold845	106466	AA	GG	1940471133
SNP_P1_209864_106470	NW_004516210.1	Scaffold845	106470	TT	AA	1940471134
SNP_P1_209865_106533	NW_004516210.1	Scaffold845	106533	TT	CC	1940471135
SNP_P1_209866_109972	NW_004516210.1	Scaffold845	109972	AA	GG	1940471136
SNP_P1_209868_111157	NW_004516210.1	Scaffold845	111157	GG	TT	1940471137
SNP_P1_209870_112243	NW_004516210.1	Scaffold845	112243	AA	GG	1940471138
SNP_P1_209871_112253	NW_004516210.1	Scaffold845	112253	TT	GG	1940471139
SNP_P1_209872_112378	NW_004516210.1	Scaffold845	112378	TT	CC	1940471140
SNP_P1_209873_114860	NW_004516210.1	Scaffold845	114860	CC	TT	1940471141
SNP_P1_209874_114897	NW_004516210.1	Scaffold845	114897	GG	TT	1940471142
SNP_P1_209875_115124	NW_004516210.1	Scaffold845	115124	GG	AA	1940471143
SNP_P1_209876_115234	NW_004516210.1	Scaffold845	115234	CC	TT	1940471144
SNP_P1_209877_115353	NW_004516210.1	Scaffold845	115353	AA	GG	1940471145

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_209879_116817	NW_004516210.1	Scaffold845	116817	TT	CC	1940471147
SNP_P1_209880_116840	NW_004516210.1	Scaffold845	116840	GG	AA	1940471148
SNP_P1_209881_116911	NW_004516210.1	Scaffold845	116911	TT	AA	1940471149
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SNP_P1_209883_117180	NW_004516210.1	Scaffold845	117180	AA	GG	1940471151
SNP_P1_209884_117257	NW_004516210.1	Scaffold845	117257	GG	AA	1940471152
SNP_P1_209886_118243	NW_004516210.1	Scaffold845	118243	CC	TT	1940471153
SNP_P1_209887_119179	NW_004516210.1	Scaffold845	119179	GG	AA	1940471154
SNP_P1_209888_119693	NW_004516210.1	Scaffold845	119693	AA	GG	1940471155
SNP_P1_209889_120195	NW_004516210.1	Scaffold845	120195	TT	GG	1940471156
SNP_P1_209890_120218	NW_004516210.1	Scaffold845	120218	GG	AA	1940471157
SNP_P1_209891_120668	NW_004516210.1	Scaffold845	120668	TT	GG	1940471158
SNP_P1_209892_120684	NW_004516210.1	Scaffold845	120684	GG	TT	1940471159
SNP_P1_209893_121516	NW_004516210.1	Scaffold845	121516	AA	GG	1940471160
SNP_P1_209894_121529	NW_004516210.1	Scaffold845	121529	TT	CC	1940471161
SNP_P1_209897_121947	NW_004516210.1	Scaffold845	121947	AA	GG	1940471162
SNP_P1_209900_129566	NW_004516210.1	Scaffold845	129566	AA	CC	1940471163
SNP_P1_209901_130101	NW_004516210.1	Scaffold845	130101	CC	AA	1940471164
SNP_P1_209902_131911	NW_004516210.1	Scaffold845	131911	GG	AA	1940471165
SNP_P1_209903_132480	NW_004516210.1	Scaffold845	132480	CC	TT	1940471166
SNP_P1_209904_132645	NW_004516210.1	Scaffold845	132645	TT	CC	1940471167
SNP_P1_209905_132669	NW_004516210.1	Scaffold845	132669	CC	TT	1940471168
SNP_P1_209907_132794	NW_004516210.1	Scaffold845	132794	GG	TT	1940471169
SNP_P1_209909_132843	NW_004516210.1	Scaffold845	132843	CC	TT	1940471170
SNP_P1_209910_132863	NW_004516210.1	Scaffold845	132863	TT	CC	1940471171
SNP_P1_209911_132874	NW_004516210.1	Scaffold845	132874	AA	GG	1940471172
SNP_P1_209912_132889	NW_004516210.1	Scaffold845	132889	GG	AA	1940471173
SNP_P1_209913_132905	NW_004516210.1	Scaffold845	132905	GG	TT	1940471174
SNP_P1_209914_133157	NW_004516210.1	Scaffold845	133157	AA	GG	1940471175
SNP_P1_209915_133165	NW_004516210.1	Scaffold845	133165	GG	TT	1940471176
SNP_P1_209917_133490	NW_004516210.1	Scaffold845	133490	GG	AA	1940471177
SNP_P1_209918_133516	NW_004516210.1	Scaffold845	133516	CC	TT	1940471178
SNP_P1_209919_133523	NW_004516210.1	Scaffold845	133523	CC	AA	1940471179
SNP_P1_209920_133531	NW_004516210.1	Scaffold845	133531	GG	AA	1940471180
SNP_P1_209922_134966	NW_004516210.1	Scaffold845	134966	TT	AA	1940471181
SNP_P1_209923_135023	NW_004516210.1	Scaffold845	135023	TT	CC	1940471182
SNP_P1_209924_135024	NW_004516210.1	Scaffold845	135024	GG	AA	1940471183
SNP_P1_209925_135728	NW_004516210.1	Scaffold845	135728	CC	TT	1940471184
SNP_P1_209927_135925	NW_004516210.1	Scaffold845	135925	GG	AA	1940471185
SNP_P1_209928_135927	NW_004516210.1	Scaffold845	135927	AA	CC	1940471186
SNP_P1_209929_137198	NW_004516210.1	Scaffold845	137198	CC	AA	1940471187

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209930_138050	NW_004516210.1	Scaffold845	138050	AA	GG	1940471188
SNP_P1_209931_138081	NW_004516210.1	Scaffold845	138081	CC	AA	1940471189
SNP_P1_209932_138464	NW_004516210.1	Scaffold845	138464	CC	TT	1940471190
SNP_P1_209933_138808	NW_004516210.1	Scaffold845	138808	AA	GG	1940471191
SNP_P1_209934_138962	NW_004516210.1	Scaffold845	138962	TT	CC	1940471192
SNP_P1_209935_139936	NW_004516210.1	Scaffold845	139936	CC	TT	1940471193
SNP_P1_209936_140810	NW_004516210.1	Scaffold845	140810	CC	TT	1940471194
SNP_P1_209937_141012	NW_004516210.1	Scaffold845	141012	AA	CC	1940471195
SNP_P1_209939_142755	NW_004516210.1	Scaffold845	142755	AA	GG	1940471196
SNP_P1_209940_142800	NW_004516210.1	Scaffold845	142800	AA	TT	1940471197
SNP_P1_209941_143869	NW_004516210.1	Scaffold845	143869	AA	GG	1940471198
SNP_P1_209943_145900	NW_004516210.1	Scaffold845	145900	CC	TT	1940471199
SNP_P1_209944_145990	NW_004516210.1	Scaffold845	145990	AA	TT	1940471200
SNP_P1_209945_146037	NW_004516210.1	Scaffold845	146037	GG	AA	1940471201
SNP_P1_209947_146064	NW_004516210.1	Scaffold845	146064	TT	AA	1940471202
SNP_P1_209948_146148	NW_004516210.1	Scaffold845	146148	GG	CC	1940471203
SNP_P1_209949_146740	NW_004516210.1	Scaffold845	146740	AA	GG	1940471204
SNP_P1_209950_146829	NW_004516210.1	Scaffold845	146829	AA	GG	1940471205
SNP_P1_209951_148397	NW_004516210.1	Scaffold845	148397	TT	AA	1940471206
SNP_P1_209955_149315	NW_004516210.1	Scaffold845	149315	TT	AA	1940471207
SNP_P1_209956_149333	NW_004516210.1	Scaffold845	149333	AA	GG	1940471208
SNP_P1_209957_149336	NW_004516210.1	Scaffold845	149336	GG	TT	1940471209
SNP_P1_209959_149478	NW_004516210.1	Scaffold845	149478	GG	AA	1940471210
SNP_P1_209960_149518	NW_004516210.1	Scaffold845	149518	AA	GG	1940471211
SNP_P1_209961_149650	NW_004516210.1	Scaffold845	149650	CC	TT	1940471212
SNP_P1_209962_151113	NW_004516210.1	Scaffold845	151113	TT	CC	1940471213
SNP_P1_209963_151116	NW_004516210.1	Scaffold845	151116	GG	AA	1940471214
SNP_P1_209964_151118	NW_004516210.1	Scaffold845	151118	AA	CC	1940471215
SNP_P1_209966_151262	NW_004516210.1	Scaffold845	151262	AA	CC	1940471216
SNP_P1_209967_151302	NW_004516210.1	Scaffold845	151302	TT	CC	1940471217
SNP_P1_209968_151330	NW_004516210.1	Scaffold845	151330	GG	AA	1940471218
SNP_P1_209969_151425	NW_004516210.1	Scaffold845	151425	AA	GG	1940471219
SNP_P1_209971_151559	NW_004516210.1	Scaffold845	151559	TT	CC	1940471220
SNP_P1_209972_151571	NW_004516210.1	Scaffold845	151571	AA	GG	1940471221
SNP_P1_209974_152001	NW_004516210.1	Scaffold845	152001	TT	CC	1940471222
SNP_P1_209975_152034	NW_004516210.1	Scaffold845	152034	GG	AA	1940471223
SNP_P1_209977_152653	NW_004516210.1	Scaffold845	152653	AA	GG	1940471224
SNP_P1_209978_154735	NW_004516210.1	Scaffold845	154735	TT	CC	1940471225
SNP_P1_209979_155010	NW_004516210.1	Scaffold845	155010	GG	TT	1940471226
SNP_P1_209980_155720	NW_004516210.1	Scaffold845	155720	AA	CC	1940471227
SNP_P1_209981_155721	NW_004516210.1	Scaffold845	155721	CC	TT	1940471228
SNP_P1_209982_155767	NW_004516210.1	Scaffold845	155767	TT	CC	1940471229

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_209983_156127	NW_004516210.1	Scaffold845	156127	AA	CC	1940471230
SNP_P1_209984_158900	NW_004516210.1	Scaffold845	158900	AA	CC	1940471231
SNP_P1_209987_160376	NW_004516210.1	Scaffold845	160376	GG	AA	1940471232
SNP_P1_209988_160392	NW_004516210.1	Scaffold845	160392	GG	AA	1940471233
SNP_P1_209989_161123	NW_004516210.1	Scaffold845	161123	CC	TT	1940471234
SNP_P1_209990_161187	NW_004516210.1	Scaffold845	161187	GG	AA	1940471235
SNP_P1_209991_161361	NW_004516210.1	Scaffold845	161361	CC	TT	1940471236
SNP_P1_209992_161419	NW_004516210.1	Scaffold845	161419	CC	TT	1940471237
SNP_P1_209993_161993	NW_004516210.1	Scaffold845	161993	TT	CC	1940471238
SNP_P1_209994_162233	NW_004516210.1	Scaffold845	162233	AA	GG	1940471239
SNP_P1_209995_162313	NW_004516210.1	Scaffold845	162313	GG	AA	1940471240
SNP_P1_209996_162435	NW_004516210.1	Scaffold845	162435	TT	AA	1940471241
SNP_P1_209997_162444	NW_004516210.1	Scaffold845	162444	CC	AA	1940471242
SNP_P1_209998_162499	NW_004516210.1	Scaffold845	162499	CC	AA	1940471243
SNP_P1_210001_162853	NW_004516210.1	Scaffold845	162853	AA	GG	1940471244
SNP_P1_210002_163122	NW_004516210.1	Scaffold845	163122	CC	TT	1940471245
SNP_P1_210004_170646	NW_004516210.1	Scaffold845	170646	AA	TT	1940471246
SNP_P1_210005_170652	NW_004516210.1	Scaffold845	170652	CC	TT	1940471247
SNP_P1_210006_170739	NW_004516210.1	Scaffold845	170739	GG	AA	1940471248
SNP_P1_210008_171691	NW_004516210.1	Scaffold845	171691	TT	GG	1940471249
SNP_P1_210009_171710	NW_004516210.1	Scaffold845	171710	TT	GG	1940471250
SNP_P1_210010_171726	NW_004516210.1	Scaffold845	171726	TT	AA	1940471251
SNP_P1_210011_171802	NW_004516210.1	Scaffold845	171802	CC	AA	1940471252
SNP_P1_210012_172289	NW_004516210.1	Scaffold845	172289	GG	CC	1940471253
SNP_P1_210013_172303	NW_004516210.1	Scaffold845	172303	CC	TT	1940471254
SNP_P1_210014_172825	NW_004516210.1	Scaffold845	172825	CC	TT	1940471255
SNP_P1_210015_172849	NW_004516210.1	Scaffold845	172849	GG	AA	1940471256
SNP_P1_210016_172855	NW_004516210.1	Scaffold845	172855	AA	GG	1940471257
SNP_P1_210017_172884	NW_004516210.1	Scaffold845	172884	CC	TT	1940471258
SNP_P1_210018_172887	NW_004516210.1	Scaffold845	172887	AA	TT	1940471259
SNP_P1_210019_172889	NW_004516210.1	Scaffold845	172889	GG	AA	1940471261
SNP_P1_210020_173314	NW_004516210.1	Scaffold845	173314	CC	AA	1940471262
SNP_P1_210021_174227	NW_004516210.1	Scaffold845	174227	CC	AA	1940471263
SNP_P1_210022_174301	NW_004516210.1	Scaffold845	174301	GG	TT	1940471264
SNP_P1_210025_175181	NW_004516210.1	Scaffold845	175181	CC	TT	1940471265
SNP_P1_210026_175238	NW_004516210.1	Scaffold845	175238	GG	TT	1940471266
SNP_P1_210027_176128	NW_004516210.1	Scaffold845	176128	TT	GG	1940471267
SNP_P1_210029_209186	NW_004516210.1	Scaffold845	209186	TT	CC	1940471268
SNP_P1_210030_219547	NW_004516210.1	Scaffold845	219547	TT	GG	1940471269
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SNP_P1_210032_230002	NW_004516210.1	Scaffold845	230002	GG	CC	1940471271
SNP_P1_210033_230609	NW_004516210.1	Scaffold845	230609	GG	TT	1940471272

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210035_231000	NW_004516210.1	Scaffold845	231000	TT	GG	1940471274
SNP_P1_210036_231039	NW_004516210.1	Scaffold845	231039	TT	CC	1940471275
SNP_P1_210037_231880	NW_004516210.1	Scaffold845	231880	GG	AA	1940471276
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SNP_P1_210041_255902	NW_004516210.1	Scaffold845	255902	GG	AA	1940471279
SNP_P1_210043_259948	NW_004516210.1	Scaffold845	259948	GG	AA	1940471280
SNP_P1_210044_261108	NW_004516210.1	Scaffold845	261108	AA	GG	1940471281
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SNP_P1_210046_264684	NW_004516210.1	Scaffold845	264684	GG	AA	1940471283
SNP_P1_210047_265768	NW_004516210.1	Scaffold845	265768	TT	CC	1940471284
SNP_P1_210048_266194	NW_004516210.1	Scaffold845	266194	CC	TT	1940471285
SNP_P1_210049_266217	NW_004516210.1	Scaffold845	266217	TT	CC	1940471286
SNP_P1_210050_266232	NW_004516210.1	Scaffold845	266232	AA	GG	1940471287
SNP_P1_210052_292298	NW_004516210.1	Scaffold845	292298	AA	TT	1940471288
SNP_P1_210053_293010	NW_004516210.1	Scaffold845	293010	AA	CC	1940471289
SNP_P1_210057_312313	NW_004516210.1	Scaffold845	312313	TT	CC	1940471290
SNP_P1_210059_326288	NW_004516210.1	Scaffold845	326288	AA	CC	1940471291
SNP_P1_210061_330030	NW_004516210.1	Scaffold845	330030	CC	TT	1940471292
SNP_P1_210062_330092	NW_004516210.1	Scaffold845	330092	AA	GG	1940471293
SNP_P1_210063_331886	NW_004516210.1	Scaffold845	331886	AA	GG	1940471294
SNP_P1_210065_331991	NW_004516210.1	Scaffold845	331991	CC	GG	1940471295
SNP_P1_210066_332243	NW_004516210.1	Scaffold845	332243	GG	CC	1940471296
SNP_P1_210067_347505	NW_004516210.1	Scaffold845	347505	AA	GG	1940471297
SNP_P1_210068_347639	NW_004516210.1	Scaffold845	347639	AA	GG	1940471298
SNP_P1_210070_362843	NW_004516210.1	Scaffold845	362843	TT	CC	1940471299
SNP_P1_210071_375540	NW_004516210.1	Scaffold845	375540	AA	TT	1940471300
SNP_P1_210072_384624	NW_004516210.1	Scaffold845	384624	GG	AA	1940471301
SNP_P1_210073_946	NW_004516211.1	Scaffold847	946	GG	TT	1940471302
SNP_P1_210074_958	NW_004516211.1	Scaffold847	958	TT	CC	1940471303
SNP_P1_210075_1306	NW_004516211.1	Scaffold847	1306	AA	TT	1940471304
SNP_P1_210076_15596	NW_004516211.1	Scaffold847	15596	CC	AA	1940471305
SNP_P1_210077_31623	NW_004516211.1	Scaffold847	31623	TT	CC	1940471306
SNP_P1_210078_31632	NW_004516211.1	Scaffold847	31632	TT	CC	1940471307
SNP_P1_210079_31706	NW_004516211.1	Scaffold847	31706	TT	CC	1940471308
SNP_P1_210080_31788	NW_004516211.1	Scaffold847	31788	GG	AA	1940471309
SNP_P1_210081_31792	NW_004516211.1	Scaffold847	31792	TT	CC	1940471310
SNP_P1_210082_31820	NW_004516211.1	Scaffold847	31820	AA	GG	1940471311
SNP_P1_210083_31838	NW_004516211.1	Scaffold847	31838	TT	CC	1940471312
SNP_P1_210084_32094	NW_004516211.1	Scaffold847	32094	GG	AA	1940471313
SNP_P1_210085_32145	NW_004516211.1	Scaffold847	32145	CC	TT	1940471314

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210087_33160	NW_004516211.1	Scaffold847	33160	CC	AA	1940471316
SNP_P1_210088_33169	NW_004516211.1	Scaffold847	33169	TT	GG	1940471317
SNP_P1_210089_71674	NW_004516211.1	Scaffold847	71674	CC	TT	1940471318
SNP_P1_210090_72062	NW_004516211.1	Scaffold847	72062	AA	CC	1940471319
SNP_P1_210091_75571	NW_004516211.1	Scaffold847	75571	TT	CC	1940471320
SNP_P1_210092_75594	NW_004516211.1	Scaffold847	75594	TT	CC	1940471321
SNP_P1_210093_75629	NW_004516211.1	Scaffold847	75629	GG	AA	1940471322
SNP_P1_210094_75657	NW_004516211.1	Scaffold847	75657	CC	TT	1940471323
SNP_P1_210095_75721	NW_004516211.1	Scaffold847	75721	TT	CC	1940471324
SNP_P1_210096_75762	NW_004516211.1	Scaffold847	75762	CC	TT	1940471325
SNP_P1_210097_75977	NW_004516211.1	Scaffold847	75977	TT	CC	1940471326
SNP_P1_210098_76016	NW_004516211.1	Scaffold847	76016	GG	AA	1940471327
SNP_P1_210099_76109	NW_004516211.1	Scaffold847	76109	CC	TT	1940471328
SNP_P1_210100_76169	NW_004516211.1	Scaffold847	76169	CC	TT	1940471329
SNP_P1_210101_76181	NW_004516211.1	Scaffold847	76181	AA	GG	1940471330
SNP_P1_210102_77646	NW_004516211.1	Scaffold847	77646	AA	TT	1940471331
SNP_P1_210103_77704	NW_004516211.1	Scaffold847	77704	TT	GG	1940471332
SNP_P1_210104_78650	NW_004516211.1	Scaffold847	78650	GG	AA	1940471333
SNP_P1_210105_82561	NW_004516211.1	Scaffold847	82561	TT	CC	1940471334
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SNP_P1_210107_84407	NW_004516211.1	Scaffold847	84407	CC	TT	1940471336
SNP_P1_210108_84418	NW_004516211.1	Scaffold847	84418	CC	AA	1940471337
SNP_P1_210109_85715	NW_004516211.1	Scaffold847	85715	TT	CC	1940471338
SNP_P1_210110_91792	NW_004516211.1	Scaffold847	91792	TT	GG	1940471339
SNP_P1_210111_116960	NW_004516211.1	Scaffold847	116960	TT	AA	1940471340
SNP_P1_210113_121170	NW_004516211.1	Scaffold847	121170	AA	TT	1940471341
SNP_P1_210114_121173	NW_004516211.1	Scaffold847	121173	TT	AA	1940471342
SNP_P1_210115_122829	NW_004516211.1	Scaffold847	122829	CC	AA	1940471343
SNP_P1_210116_123084	NW_004516211.1	Scaffold847	123084	GG	AA	1940471344
SNP_P1_210117_123598	NW_004516211.1	Scaffold847	123598	GG	AA	1940471345
SNP_P1_210118_129630	NW_004516211.1	Scaffold847	129630	AA	GG	1940471346
SNP_P1_210119_129675	NW_004516211.1	Scaffold847	129675	GG	AA	1940471347
SNP_P1_210120_129906	NW_004516211.1	Scaffold847	129906	AA	GG	1940471348
SNP_P1_210121_130340	NW_004516211.1	Scaffold847	130340	TT	CC	1940471349
SNP_P1_210122_130351	NW_004516211.1	Scaffold847	130351	AA	CC	1940471350
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SNP_P1_210124_145576	NW_004516211.1	Scaffold847	145576	GG	TT	1940471352
SNP_P1_210126_168462	NW_004516211.1	Scaffold847	168462	GG	CC	1940471353
SNP_P1_210127_169010	NW_004516211.1	Scaffold847	169010	CC	TT	1940471354
SNP_P1_210128_244107	NW_004516211.1	Scaffold847	244107	AA	GG	1940471355
SNP_P1_210129_244617	NW_004516211.1	Scaffold847	244617	GG	AA	1940471356

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210131_278592	NW_004516211.1	Scaffold847	278592	AA	TT	1940471358
SNP_P1_210132_278670	NW_004516211.1	Scaffold847	278670	AA	GG	1940471359
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SNP_P1_210134_280616	NW_004516211.1	Scaffold847	280616	GG	CC	1940471361
SNP_P1_210135_281626	NW_004516211.1	Scaffold847	281626	CC	AA	1940471362
SNP_P1_210136_289404	NW_004516211.1	Scaffold847	289404	AA	CC	1940471363
SNP_P1_210138_290109	NW_004516211.1	Scaffold847	290109	GG	AA	1940471364
SNP_P1_210139_301619	NW_004516211.1	Scaffold847	301619	TT	AA	1940471365
SNP_P1_210140_301893	NW_004516211.1	Scaffold847	301893	TT	CC	1940471366
SNP_P1_210141_302482	NW_004516211.1	Scaffold847	302482	AA	GG	1940471367
SNP_P1_210142_302810	NW_004516211.1	Scaffold847	302810	AA	GG	1940471368
SNP_P1_210143_302849	NW_004516211.1	Scaffold847	302849	TT	CC	1940471369
SNP_P1_210144_302990	NW_004516211.1	Scaffold847	302990	AA	GG	1940471370
SNP_P1_210145_303083	NW_004516211.1	Scaffold847	303083	TT	AA	1940471371
SNP_P1_210146_303093	NW_004516211.1	Scaffold847	303093	TT	GG	1940471372
SNP_P1_210148_305663	NW_004516211.1	Scaffold847	305663	GG	AA	1940471373
SNP_P1_210149_326692	NW_004516211.1	Scaffold847	326692	CC	GG	1940471374
SNP_P1_210150_347310	NW_004516211.1	Scaffold847	347310	TT	CC	1940471375
SNP_P1_210151_347332	NW_004516211.1	Scaffold847	347332	CC	AA	1940471376
SNP_P1_210152_347670	NW_004516211.1	Scaffold847	347670	TT	GG	1940471377
SNP_P1_210153_5299	NW_004516212.1	Scaffold848	5299	TT	AA	1940471378
SNP_P1_210154_6400	NW_004516212.1	Scaffold848	6400	AA	GG	1940471379
SNP_P1_210155_6410	NW_004516212.1	Scaffold848	6410	CC	AA	1940471380
SNP_P1_210156_6458	NW_004516212.1	Scaffold848	6458	AA	GG	1940471381
SNP_P1_210157_23431	NW_004516212.1	Scaffold848	23431	CC	TT	1940471382
SNP_P1_210158_23752	NW_004516212.1	Scaffold848	23752	AA	CC	1940471383
SNP_P1_210159_23760	NW_004516212.1	Scaffold848	23760	GG	AA	1940471384
SNP_P1_210160_23771	NW_004516212.1	Scaffold848	23771	TT	GG	1940471385
SNP_P1_210161_23811	NW_004516212.1	Scaffold848	23811	AA	TT	1940471386
SNP_P1_210162_23934	NW_004516212.1	Scaffold848	23934	AA	TT	1940471387
SNP_P1_210163_23937	NW_004516212.1	Scaffold848	23937	CC	TT	1940471388
SNP_P1_210165_24081	NW_004516212.1	Scaffold848	24081	CC	AA	1940471389
SNP_P1_210166_24094	NW_004516212.1	Scaffold848	24094	CC	TT	1940471390
SNP_P1_210167_24201	NW_004516212.1	Scaffold848	24201	TT	CC	1940471391
SNP_P1_210168_25691	NW_004516212.1	Scaffold848	25691	CC	TT	1940471392
SNP_P1_210169_25706	NW_004516212.1	Scaffold848	25706	TT	GG	1940471393
SNP_P1_210171_60118	NW_004516212.1	Scaffold848	60118	CC	TT	1940471394
SNP_P1_210172_64050	NW_004516212.1	Scaffold848	64050	GG	CC	1940471395
SNP_P1_210175_126918	NW_004516212.1	Scaffold848	126918	GG	AA	1940471396
SNP_P1_210176_149854	NW_004516212.1	Scaffold848	149854	AA	GG	1940471397
SNP_P1_210177_155978	NW_004516212.1	Scaffold848	155978	TT	AA	1940471398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210179_172308	NW_004516212.1	Scaffold848	172308	AA	GG	1940471400
SNP_P1_210180_180390	NW_004516212.1	Scaffold848	180390	GG	AA	1940471401
SNP_P1_210181_180712	NW_004516212.1	Scaffold848	180712	TT	CC	1940471403
SNP_P1_210182_180726	NW_004516212.1	Scaffold848	180726	AA	CC	1940471404
SNP_P1_210183_180739	NW_004516212.1	Scaffold848	180739	AA	TT	1940471405
SNP_P1_210184_181554	NW_004516212.1	Scaffold848	181554	TT	AA	1940471406
SNP_P1_210186_212243	NW_004516212.1	Scaffold848	212243	AA	CC	1940471407
SNP_P1_210189_1204	NW_004516213.1	Scaffold850	1204	GG	AA	1940471408
SNP_P1_210190_1264	NW_004516213.1	Scaffold850	1264	CC	AA	1940471409
SNP_P1_210191_1830	NW_004516213.1	Scaffold850	1830	GG	TT	1940471410
SNP_P1_210192_2062	NW_004516213.1	Scaffold850	2062	TT	GG	1940471411
SNP_P1_210193_8729	NW_004516213.1	Scaffold850	8729	TT	GG	1940471412
SNP_P1_210194_8764	NW_004516213.1	Scaffold850	8764	TT	AA	1940471413
SNP_P1_210195_8796	NW_004516213.1	Scaffold850	8796	TT	GG	1940471414
SNP_P1_210196_5844	NW_004516215.1	Scaffold853	5844	GG	CC	1940471415
SNP_P1_210197_5892	NW_004516215.1	Scaffold853	5892	CC	AA	1940471416
SNP_P1_210198_6239	NW_004516215.1	Scaffold853	6239	TT	CC	1940471417
SNP_P1_210199_7615	NW_004516215.1	Scaffold853	7615	TT	CC	1940471418
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SNP_P1_210204_10803	NW_004516215.1	Scaffold853	10803	CC	AA	1940471423
SNP_P1_210205_10811	NW_004516215.1	Scaffold853	10811	GG	AA	1940471424
SNP_P1_210206_5529	NW_004516216.1	Scaffold854	5529	CC	TT	1940471425
SNP_P1_210208_17397	NW_004516217.1	Scaffold855	17397	CC	TT	1940471426
SNP_P1_210209_17783	NW_004516217.1	Scaffold855	17783	TT	GG	1940471427
SNP_P1_210210_27078	NW_004516217.1	Scaffold855	27078	TT	CC	1940471428
SNP_P1_210213_31043	NW_004516217.1	Scaffold855	31043	AA	GG	1940471429
SNP_P1_210214_31066	NW_004516217.1	Scaffold855	31066	TT	CC	1940471430
SNP_P1_210215_31084	NW_004516217.1	Scaffold855	31084	GG	CC	1940471431
SNP_P1_210216_31111	NW_004516217.1	Scaffold855	31111	CC	TT	1940471432
SNP_P1_210217_31124	NW_004516217.1	Scaffold855	31124	GG	TT	1940471433
SNP_P1_210218_31143	NW_004516217.1	Scaffold855	31143	AA	GG	1940471434
SNP_P1_210220_31223	NW_004516217.1	Scaffold855	31223	TT	CC	1940471435
SNP_P1_210221_31228	NW_004516217.1	Scaffold855	31228	CC	TT	1940471436
SNP_P1_210222_31264	NW_004516217.1	Scaffold855	31264	GG	CC	1940471437
SNP_P1_210223_31272	NW_004516217.1	Scaffold855	31272	CC	TT	1940471438
SNP_P1_210224_31289	NW_004516217.1	Scaffold855	31289	AA	GG	1940471439
SNP_P1_210225_31304	NW_004516217.1	Scaffold855	31304	AA	CC	1940471440
SNP_P1_210226_31335	NW_004516217.1	Scaffold855	31335	CC	TT	1940471441

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210229_31486	NW_004516217.1	Scaffold855	31486	TT	CC	1940471443
SNP_P1_210231_31533	NW_004516217.1	Scaffold855	31533	CC	TT	1940471444
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SNP_P1_210233_31696	NW_004516217.1	Scaffold855	31696	GG	TT	1940471446
SNP_P1_210234_31753	NW_004516217.1	Scaffold855	31753	GG	TT	1940471447
SNP_P1_210235_31810	NW_004516217.1	Scaffold855	31810	TT	AA	1940471448
SNP_P1_210236_31947	NW_004516217.1	Scaffold855	31947	AA	TT	1940471449
SNP_P1_210237_32000	NW_004516217.1	Scaffold855	32000	AA	TT	1940471450
SNP_P1_210238_32002	NW_004516217.1	Scaffold855	32002	AA	GG	1940471451
SNP_P1_210239_38545	NW_004516217.1	Scaffold855	38545	CC	TT	1940471452
SNP_P1_210241_237	NW_004516218.1	Scaffold856	237	TT	AA	1940471453
SNP_P1_210242_239	NW_004516218.1	Scaffold856	239	GG	CC	1940471454
SNP_P1_210243_240	NW_004516218.1	Scaffold856	240	GG	AA	1940471455
SNP_P1_210244_242	NW_004516218.1	Scaffold856	242	AA	TT	1940471456
SNP_P1_210245_16472	NW_004516218.1	Scaffold856	16472	GG	AA	1940471457
SNP_P1_210246_3778	NW_004516219.1	Scaffold857	3778	TT	CC	1940471458
SNP_P1_210247_3779	NW_004516219.1	Scaffold857	3779	GG	TT	1940471459
SNP_P1_210248_3934	NW_004516219.1	Scaffold857	3934	GG	CC	1940471460
SNP_P1_210249_3952	NW_004516219.1	Scaffold857	3952	AA	CC	1940471461
SNP_P1_210250_3979	NW_004516219.1	Scaffold857	3979	TT	CC	1940471462
SNP_P1_210251_4139	NW_004516219.1	Scaffold857	4139	TT	AA	1940471463
SNP_P1_210252_4149	NW_004516219.1	Scaffold857	4149	TT	CC	1940471464
SNP_P1_210253_4238	NW_004516219.1	Scaffold857	4238	CC	TT	1940471465
SNP_P1_210255_4304	NW_004516219.1	Scaffold857	4304	TT	CC	1940471466
SNP_P1_210256_8518	NW_004516219.1	Scaffold857	8518	AA	CC	1940471467
SNP_P1_210257_23652	NW_004516219.1	Scaffold857	23652	TT	GG	1940471468
SNP_P1_210258_24221	NW_004516219.1	Scaffold857	24221	GG	AA	1940471469
SNP_P1_210260_24528	NW_004516219.1	Scaffold857	24528	AA	GG	1940471470
SNP_P1_210261_25517	NW_004516219.1	Scaffold857	25517	AA	GG	1940471471
SNP_P1_210262_25521	NW_004516219.1	Scaffold857	25521	TT	GG	1940471472
SNP_P1_210263_25532	NW_004516219.1	Scaffold857	25532	AA	TT	1940471473
SNP_P1_210264_25548	NW_004516219.1	Scaffold857	25548	CC	TT	1940471474
SNP_P1_210265_26524	NW_004516219.1	Scaffold857	26524	AA	CC	1940471475
SNP_P1_210266_26553	NW_004516219.1	Scaffold857	26553	AA	GG	1940471476
SNP_P1_210267_26579	NW_004516219.1	Scaffold857	26579	TT	CC	1940471477
SNP_P1_210268_26613	NW_004516219.1	Scaffold857	26613	TT	AA	1940471478
SNP_P1_210269_26794	NW_004516219.1	Scaffold857	26794	TT	CC	1940471479
SNP_P1_210270_26818	NW_004516219.1	Scaffold857	26818	CC	TT	1940471480
SNP_P1_210271_26827	NW_004516219.1	Scaffold857	26827	TT	CC	1940471481
SNP_P1_210272_26884	NW_004516219.1	Scaffold857	26884	AA	CC	1940471482
SNP_P1_210273_26928	NW_004516219.1	Scaffold857	26928	TT	GG	1940471483

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210275_19948	NW_004516221.1	Scaffold859	19948	AA	TT	1940471485
SNP_P1_210276_24540	NW_004516221.1	Scaffold859	24540	CC	AA	1940471486
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SNP_P1_210278_25079	NW_004516221.1	Scaffold859	25079	CC	AA	1940471488
SNP_P1_210279_26063	NW_004516221.1	Scaffold859	26063	CC	AA	1940471489
SNP_P1_210280_26131	NW_004516221.1	Scaffold859	26131	AA	GG	1940471490
SNP_P1_210282_27231	NW_004516221.1	Scaffold859	27231	TT	CC	1940471491
SNP_P1_210283_27469	NW_004516221.1	Scaffold859	27469	GG	TT	1940471492
SNP_P1_210284_27484	NW_004516221.1	Scaffold859	27484	GG	AA	1940471493
SNP_P1_210285_27516	NW_004516221.1	Scaffold859	27516	AA	GG	1940471494
SNP_P1_210287_52911	NW_004516221.1	Scaffold859	52911	AA	CC	1940471495
SNP_P1_210288_52961	NW_004516221.1	Scaffold859	52961	TT	CC	1940471496
SNP_P1_210289_58316	NW_004516221.1	Scaffold859	58316	CC	AA	1940471497
SNP_P1_210290_58708	NW_004516221.1	Scaffold859	58708	GG	AA	1940471498
SNP_P1_210291_63280	NW_004516221.1	Scaffold859	63280	GG	AA	1940471499
SNP_P1_210292_63281	NW_004516221.1	Scaffold859	63281	AA	TT	1940471500
SNP_P1_210293_63286	NW_004516221.1	Scaffold859	63286	AA	GG	1940471501
SNP_P1_210294_63573	NW_004516221.1	Scaffold859	63573	AA	GG	1940471502
SNP_P1_210295_65827	NW_004516221.1	Scaffold859	65827	TT	CC	1940471503
SNP_P1_210296_68854	NW_004516221.1	Scaffold859	68854	CC	TT	1940471504
SNP_P1_210297_85673	NW_004516221.1	Scaffold859	85673	GG	AA	1940471505
SNP_P1_210298_86146	NW_004516221.1	Scaffold859	86146	CC	TT	1940471506
SNP_P1_210299_86637	NW_004516221.1	Scaffold859	86637	TT	AA	1940471507
SNP_P1_210300_86699	NW_004516221.1	Scaffold859	86699	AA	GG	1940471508
SNP_P1_210301_2252	NW_004516222.1	Scaffold860	2252	TT	CC	1940471509
SNP_P1_210302_2285	NW_004516222.1	Scaffold860	2285	CC	TT	1940471510
SNP_P1_210303_3588	NW_004516222.1	Scaffold860	3588	TT	CC	1940471511
SNP_P1_210304_4197	NW_004516222.1	Scaffold860	4197	GG	CC	1940471512
SNP_P1_210305_4446	NW_004516222.1	Scaffold860	4446	CC	TT	1940471513
SNP_P1_210306_10639	NW_004516222.1	Scaffold860	10639	AA	GG	1940471514
SNP_P1_210307_394	NW_004516223.1	Scaffold861	394	GG	AA	1940471515
SNP_P1_210308_3159	NW_004516223.1	Scaffold861	3159	AA	TT	1940471516
SNP_P1_210309_170	NW_004516224.1	Scaffold862	170	AA	GG	1940471517
SNP_P1_210310_196	NW_004516224.1	Scaffold862	196	CC	TT	1940471518
SNP_P1_210311_264	NW_004516224.1	Scaffold862	264	AA	CC	1940471519
SNP_P1_210312_309	NW_004516224.1	Scaffold862	309	AA	GG	1940471520
SNP_P1_210313_517	NW_004516224.1	Scaffold862	517	CC	AA	1940471521
SNP_P1_210314_547	NW_004516224.1	Scaffold862	547	CC	AA	1940471522
SNP_P1_210315_970	NW_004516224.1	Scaffold862	970	GG	AA	1940471523
SNP_P1_210316_972	NW_004516224.1	Scaffold862	972	TT	CC	1940471524
SNP_P1_210317_18291	NW_004516224.1	Scaffold862	18291	CC	TT	1940471525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210319_19163	NW_004516224.1	Scaffold862	19163	CC	TT	1940471527
SNP_P1_210320_22345	NW_004516224.1	Scaffold862	22345	GG	TT	1940471528
SNP_P1_210321_22380	NW_004516224.1	Scaffold862	22380	TT	CC	1940471529
SNP_P1_210322_22403	NW_004516224.1	Scaffold862	22403	CC	AA	1940471530
SNP_P1_210323_22638	NW_004516224.1	Scaffold862	22638	CC	AA	1940471531
SNP_P1_210324_22699	NW_004516224.1	Scaffold862	22699	AA	GG	1940471532
SNP_P1_210325_22726	NW_004516224.1	Scaffold862	22726	AA	TT	1940471533
SNP_P1_210326_22787	NW_004516224.1	Scaffold862	22787	AA	CC	1940471534
SNP_P1_210327_22862	NW_004516224.1	Scaffold862	22862	AA	GG	1940471535
SNP_P1_210328_23160	NW_004516224.1	Scaffold862	23160	GG	AA	1940471536
SNP_P1_210329_23205	NW_004516224.1	Scaffold862	23205	AA	GG	1940471537
SNP_P1_210330_23214	NW_004516224.1	Scaffold862	23214	AA	TT	1940471538
SNP_P1_210331_25312	NW_004516224.1	Scaffold862	25312	TT	CC	1940471539
SNP_P1_210332_25313	NW_004516224.1	Scaffold862	25313	GG	AA	1940471540
SNP_P1_210333_28926	NW_004516224.1	Scaffold862	28926	AA	GG	1940471541
SNP_P1_210334_28933	NW_004516224.1	Scaffold862	28933	GG	AA	1940471542
SNP_P1_210335_28992	NW_004516224.1	Scaffold862	28992	AA	CC	1940471543
SNP_P1_210336_29004	NW_004516224.1	Scaffold862	29004	TT	CC	1940471544
SNP_P1_210337_29013	NW_004516224.1	Scaffold862	29013	GG	TT	1940471545
SNP_P1_210338_29030	NW_004516224.1	Scaffold862	29030	TT	AA	1940471546
SNP_P1_210339_29141	NW_004516224.1	Scaffold862	29141	TT	CC	1940471547
SNP_P1_210340_29169	NW_004516224.1	Scaffold862	29169	AA	GG	1940471548
SNP_P1_210341_29186	NW_004516224.1	Scaffold862	29186	AA	CC	1940471549
SNP_P1_210342_29191	NW_004516224.1	Scaffold862	29191	CC	AA	1940471550
SNP_P1_210343_29324	NW_004516224.1	Scaffold862	29324	AA	CC	1940471551
SNP_P1_210344_29346	NW_004516224.1	Scaffold862	29346	TT	AA	1940471552
SNP_P1_210345_32551	NW_004516224.1	Scaffold862	32551	AA	GG	1940471554
SNP_P1_210346_32580	NW_004516224.1	Scaffold862	32580	TT	CC	1940471555
SNP_P1_210347_32609	NW_004516224.1	Scaffold862	32609	GG	AA	1940471556
SNP_P1_210348_32617	NW_004516224.1	Scaffold862	32617	CC	TT	1940471557
SNP_P1_210349_32980	NW_004516224.1	Scaffold862	32980	CC	TT	1940471558
SNP_P1_210350_34603	NW_004516224.1	Scaffold862	34603	CC	TT	1940471559
SNP_P1_210351_34615	NW_004516224.1	Scaffold862	34615	AA	TT	1940471560
SNP_P1_210352_34733	NW_004516224.1	Scaffold862	34733	TT	CC	1940471561
SNP_P1_210353_34741	NW_004516224.1	Scaffold862	34741	CC	GG	1940471562
SNP_P1_210354_34747	NW_004516224.1	Scaffold862	34747	TT	GG	1940471563
SNP_P1_210355_34787	NW_004516224.1	Scaffold862	34787	GG	TT	1940471564
SNP_P1_210357_35019	NW_004516224.1	Scaffold862	35019	TT	GG	1940471565
SNP_P1_210358_35026	NW_004516224.1	Scaffold862	35026	AA	GG	1940471566
SNP_P1_210359_35030	NW_004516224.1	Scaffold862	35030	GG	TT	1940471567
SNP_P1_210360_35059	NW_004516224.1	Scaffold862	35059	TT	CC	1940471568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210362_35218	NW_004516224.1	Scaffold862	35218	AA	GG	1940471570
SNP_P1_210363_35221	NW_004516224.1	Scaffold862	35221	CC	TT	1940471571
SNP_P1_210364_35332	NW_004516224.1	Scaffold862	35332	CC	GG	1940471572
SNP_P1_210365_35372	NW_004516224.1	Scaffold862	35372	TT	GG	1940471573
SNP_P1_210366_35940	NW_004516224.1	Scaffold862	35940	AA	GG	1940471574
SNP_P1_210367_35943	NW_004516224.1	Scaffold862	35943	CC	TT	1940471575
SNP_P1_210368_36202	NW_004516224.1	Scaffold862	36202	AA	CC	1940471576
SNP_P1_210369_36203	NW_004516224.1	Scaffold862	36203	CC	TT	1940471577
SNP_P1_210370_36226	NW_004516224.1	Scaffold862	36226	AA	GG	1940471578
SNP_P1_210371_36318	NW_004516224.1	Scaffold862	36318	GG	AA	1940471579
SNP_P1_210372_36328	NW_004516224.1	Scaffold862	36328	TT	CC	1940471580
SNP_P1_210373_36330	NW_004516224.1	Scaffold862	36330	GG	TT	1940471581
SNP_P1_210374_36344	NW_004516224.1	Scaffold862	36344	GG	CC	1940471582
SNP_P1_210375_36685	NW_004516224.1	Scaffold862	36685	AA	GG	1940471583
SNP_P1_210376_37939	NW_004516224.1	Scaffold862	37939	TT	CC	1940471584
SNP_P1_210377_41701	NW_004516224.1	Scaffold862	41701	CC	TT	1940471585
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SNP_P1_210380_41726	NW_004516224.1	Scaffold862	41726	GG	AA	1940471588
SNP_P1_210381_41767	NW_004516224.1	Scaffold862	41767	GG	CC	1940471589
SNP_P1_210382_41801	NW_004516224.1	Scaffold862	41801	AA	GG	1940471590
SNP_P1_210383_44289	NW_004516224.1	Scaffold862	44289	TT	GG	1940471591
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SNP_P1_210387_44474	NW_004516224.1	Scaffold862	44474	CC	AA	1940471595
SNP_P1_210388_44508	NW_004516224.1	Scaffold862	44508	TT	AA	1940471596
SNP_P1_210389_44556	NW_004516224.1	Scaffold862	44556	AA	GG	1940471597
SNP_P1_210390_44562	NW_004516224.1	Scaffold862	44562	CC	TT	1940471598
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SNP_P1_210394_44772	NW_004516224.1	Scaffold862	44772	TT	GG	1940471602
SNP_P1_210395_45959	NW_004516224.1	Scaffold862	45959	AA	GG	1940471603
SNP_P1_210396_46330	NW_004516224.1	Scaffold862	46330	TT	AA	1940471604
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SNP_P1_210399_46646	NW_004516224.1	Scaffold862	46646	AA	CC	1940471607
SNP_P1_210400_46682	NW_004516224.1	Scaffold862	46682	CC	GG	1940471608
SNP_P1_210401_48873	NW_004516224.1	Scaffold862	48873	GG	AA	1940471609
SNP_P1_210402_48875	NW_004516224.1	Scaffold862	48875	AA	GG	1940471610

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210404_49157	NW_004516224.1	Scaffold862	49157	TT	AA	1940471612
SNP_P1_210405_49250	NW_004516224.1	Scaffold862	49250	CC	AA	1940471613
SNP_P1_210406_49264	NW_004516224.1	Scaffold862	49264	CC	GG	1940471614
SNP_P1_210407_49289	NW_004516224.1	Scaffold862	49289	GG	TT	1940471615
SNP_P1_210408_50928	NW_004516224.1	Scaffold862	50928	AA	TT	1940471616
SNP_P1_210409_50958	NW_004516224.1	Scaffold862	50958	TT	GG	1940471617
SNP_P1_210410_51302	NW_004516224.1	Scaffold862	51302	TT	CC	1940471618
SNP_P1_210411_51305	NW_004516224.1	Scaffold862	51305	TT	AA	1940471619
SNP_P1_210412_51410	NW_004516224.1	Scaffold862	51410	AA	GG	1940471620
SNP_P1_210413_51631	NW_004516224.1	Scaffold862	51631	GG	AA	1940471621
SNP_P1_210414_51741	NW_004516224.1	Scaffold862	51741	GG	CC	1940471622
SNP_P1_210415_55727	NW_004516224.1	Scaffold862	55727	TT	CC	1940471623
SNP_P1_210416_55754	NW_004516224.1	Scaffold862	55754	TT	CC	1940471624
SNP_P1_210417_56186	NW_004516224.1	Scaffold862	56186	AA	TT	1940471625
SNP_P1_210418_57077	NW_004516224.1	Scaffold862	57077	AA	GG	1940471626
SNP_P1_210419_57409	NW_004516224.1	Scaffold862	57409	AA	GG	1940471627
SNP_P1_210420_57456	NW_004516224.1	Scaffold862	57456	TT	CC	1940471628
SNP_P1_210422_59702	NW_004516224.1	Scaffold862	59702	AA	GG	1940471629
SNP_P1_210423_59831	NW_004516224.1	Scaffold862	59831	TT	CC	1940471630
SNP_P1_210424_59838	NW_004516224.1	Scaffold862	59838	CC	TT	1940471631
SNP_P1_210425_59853	NW_004516224.1	Scaffold862	59853	TT	GG	1940471632
SNP_P1_210426_59865	NW_004516224.1	Scaffold862	59865	CC	TT	1940471633
SNP_P1_210427_59897	NW_004516224.1	Scaffold862	59897	GG	CC	1940471634
SNP_P1_210428_59898	NW_004516224.1	Scaffold862	59898	TT	GG	1940471635
SNP_P1_210429_60049	NW_004516224.1	Scaffold862	60049	CC	GG	1940471636
SNP_P1_210430_60085	NW_004516224.1	Scaffold862	60085	AA	CC	1940471637
SNP_P1_210431_60100	NW_004516224.1	Scaffold862	60100	GG	TT	1940471638
SNP_P1_210432_60101	NW_004516224.1	Scaffold862	60101	AA	GG	1940471639
SNP_P1_210433_60121	NW_004516224.1	Scaffold862	60121	TT	GG	1940471640
SNP_P1_210434_60156	NW_004516224.1	Scaffold862	60156	AA	GG	1940471641
SNP_P1_210435_60350	NW_004516224.1	Scaffold862	60350	GG	AA	1940471642
SNP_P1_210436_60362	NW_004516224.1	Scaffold862	60362	AA	TT	1940471643
SNP_P1_210437_927	NW_004516225.1	Scaffold863	927	AA	GG	1940471644
SNP_P1_210438_964	NW_004516225.1	Scaffold863	964	TT	CC	1940471645
SNP_P1_210440_32047	NW_004516226.1	Scaffold864	32047	GG	AA	1940471646
SNP_P1_210441_37177	NW_004516226.1	Scaffold864	37177	CC	TT	1940471647
SNP_P1_210442_40168	NW_004516226.1	Scaffold864	40168	AA	GG	1940471648
SNP_P1_210443_40294	NW_004516226.1	Scaffold864	40294	CC	TT	1940471649
SNP_P1_210444_40648	NW_004516226.1	Scaffold864	40648	GG	AA	1940471650
SNP_P1_210445_40679	NW_004516226.1	Scaffold864	40679	AA	GG	1940471651
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210449_55531	NW_004516226.1	Scaffold864	55531	GG	AA	1940471654
SNP_P1_210450_71608	NW_004516226.1	Scaffold864	71608	CC	AA	1940471655
SNP_P1_210451_71686	NW_004516226.1	Scaffold864	71686	CC	TT	1940471656
SNP_P1_210452_77029	NW_004516226.1	Scaffold864	77029	CC	TT	1940471657
SNP_P1_210453_77063	NW_004516226.1	Scaffold864	77063	GG	TT	1940471658
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SNP_P1_210455_77319	NW_004516226.1	Scaffold864	77319	AA	GG	1940471660
SNP_P1_210456_77667	NW_004516226.1	Scaffold864	77667	CC	TT	1940471661
SNP_P1_210457_77760	NW_004516226.1	Scaffold864	77760	AA	TT	1940471662
SNP_P1_210458_77812	NW_004516226.1	Scaffold864	77812	CC	TT	1940471663
SNP_P1_210459_96187	NW_004516226.1	Scaffold864	96187	TT	CC	1940471664
SNP_P1_210460_96554	NW_004516226.1	Scaffold864	96554	AA	CC	1940471665
SNP_P1_210461_96563	NW_004516226.1	Scaffold864	96563	AA	GG	1940471666
SNP_P1_210462_102072	NW_004516226.1	Scaffold864	102072	TT	AA	1940471667
SNP_P1_210463_105759	NW_004516226.1	Scaffold864	105759	CC	AA	1940471668
SNP_P1_210464_105801	NW_004516226.1	Scaffold864	105801	CC	TT	1940471669
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SNP_P1_210467_117389	NW_004516226.1	Scaffold864	117389	AA	TT	1940471671
SNP_P1_210468_120916	NW_004516226.1	Scaffold864	120916	GG	CC	1940471672
SNP_P1_210469_136880	NW_004516226.1	Scaffold864	136880	TT	AA	1940471673
SNP_P1_210470_168637	NW_004516226.1	Scaffold864	168637	TT	CC	1940471674
SNP_P1_210471_168665	NW_004516226.1	Scaffold864	168665	GG	TT	1940471675
SNP_P1_210472_168762	NW_004516226.1	Scaffold864	168762	GG	CC	1940471676
SNP_P1_210473_168771	NW_004516226.1	Scaffold864	168771	GG	AA	1940471677
SNP_P1_210474_181594	NW_004516226.1	Scaffold864	181594	TT	CC	1940471678
SNP_P1_210475_209209	NW_004516226.1	Scaffold864	209209	AA	GG	1940471679
SNP_P1_210476_209273	NW_004516226.1	Scaffold864	209273	TT	AA	1940471680
SNP_P1_210477_210866	NW_004516226.1	Scaffold864	210866	GG	TT	1940471681
SNP_P1_210478_210875	NW_004516226.1	Scaffold864	210875	GG	AA	1940471682
SNP_P1_210479_213201	NW_004516226.1	Scaffold864	213201	AA	GG	1940471683
SNP_P1_210481_234447	NW_004516226.1	Scaffold864	234447	CC	AA	1940471684
SNP_P1_210482_240787	NW_004516226.1	Scaffold864	240787	AA	TT	1940471685
SNP_P1_210483_240989	NW_004516226.1	Scaffold864	240989	GG	AA	1940471686
SNP_P1_210485_248243	NW_004516226.1	Scaffold864	248243	AA	CC	1940471687
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SNP_P1_210489_248468	NW_004516226.1	Scaffold864	248468	GG	AA	1940471691
SNP_P1_210490_248686	NW_004516226.1	Scaffold864	248686	AA	CC	1940471692
SNP_P1_210491_248707	NW_004516226.1	Scaffold864	248707	TT	CC	1940471693
SNP_P1_210492_254332	NW_004516226.1	Scaffold864	254332	AA	TT	1940471694

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210495_281192	NW_004516226.1	Scaffold864	281192	GG	CC	1940471697
SNP_P1_210496_290626	NW_004516226.1	Scaffold864	290626	AA	GG	1940471698
SNP_P1_210497_290641	NW_004516226.1	Scaffold864	290641	TT	CC	1940471699
SNP_P1_210498_290958	NW_004516226.1	Scaffold864	290958	CC	TT	1940471700
SNP_P1_210499_290969	NW_004516226.1	Scaffold864	290969	TT	CC	1940471701
SNP_P1_210500_291033	NW_004516226.1	Scaffold864	291033	AA	GG	1940471703
SNP_P1_210501_291045	NW_004516226.1	Scaffold864	291045	GG	AA	1940471704
SNP_P1_210502_291053	NW_004516226.1	Scaffold864	291053	AA	GG	1940471705
SNP_P1_210503_291061	NW_004516226.1	Scaffold864	291061	AA	GG	1940471706
SNP_P1_210504_291161	NW_004516226.1	Scaffold864	291161	AA	TT	1940471707
SNP_P1_210505_291167	NW_004516226.1	Scaffold864	291167	GG	AA	1940471708
SNP_P1_210506_294442	NW_004516226.1	Scaffold864	294442	AA	GG	1940471709
SNP_P1_210507_294755	NW_004516226.1	Scaffold864	294755	CC	TT	1940471710
SNP_P1_210508_314611	NW_004516226.1	Scaffold864	314611	CC	GG	1940471711
SNP_P1_210509_314615	NW_004516226.1	Scaffold864	314615	TT	AA	1940471712
SNP_P1_210511_323875	NW_004516226.1	Scaffold864	323875	TT	CC	1940471713
SNP_P1_210512_324068	NW_004516226.1	Scaffold864	324068	TT	GG	1940471714
SNP_P1_210513_324069	NW_004516226.1	Scaffold864	324069	GG	CC	1940471715
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SNP_P1_210516_1282	NW_004516227.1	Scaffold865	1282	TT	CC	1940471717
SNP_P1_210517_1753	NW_004516227.1	Scaffold865	1753	AA	GG	1940471718
SNP_P1_210518_5551	NW_004516227.1	Scaffold865	5551	AA	CC	1940471719
SNP_P1_210519_5562	NW_004516227.1	Scaffold865	5562	AA	GG	1940471720
SNP_P1_210520_5985	NW_004516227.1	Scaffold865	5985	CC	AA	1940471721
SNP_P1_210521_7452	NW_004516227.1	Scaffold865	7452	GG	CC	1940471722
SNP_P1_210522_7502	NW_004516227.1	Scaffold865	7502	GG	TT	1940471723
SNP_P1_210523_11734	NW_004516227.1	Scaffold865	11734	AA	GG	1940471724
SNP_P1_210524_11740	NW_004516227.1	Scaffold865	11740	AA	CC	1940471725
SNP_P1_210525_11765	NW_004516227.1	Scaffold865	11765	CC	AA	1940471726
SNP_P1_210526_11767	NW_004516227.1	Scaffold865	11767	GG	AA	1940471727
SNP_P1_210527_11867	NW_004516227.1	Scaffold865	11867	AA	GG	1940471728
SNP_P1_210528_11872	NW_004516227.1	Scaffold865	11872	TT	CC	1940471729
SNP_P1_210529_11915	NW_004516227.1	Scaffold865	11915	CC	TT	1940471730
SNP_P1_210530_12148	NW_004516227.1	Scaffold865	12148	CC	TT	1940471731
SNP_P1_210531_12265	NW_004516227.1	Scaffold865	12265	TT	GG	1940471732
SNP_P1_210532_27799	NW_004516228.1	Scaffold866	27799	TT	CC	1940471733
SNP_P1_210533_28647	NW_004516228.1	Scaffold866	28647	CC	TT	1940471734
SNP_P1_210535_28848	NW_004516228.1	Scaffold866	28848	CC	TT	1940471735
SNP_P1_210536_28853	NW_004516228.1	Scaffold866	28853	TT	CC	1940471736
SNP_P1_210537_28854	NW_004516228.1	Scaffold866	28854	CC	TT	1940471737

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210541_35960	NW_004516228.1	Scaffold866	35960	GG	AA	1940471740
SNP_P1_210544_37142	NW_004516228.1	Scaffold866	37142	TT	AA	1940471741
SNP_P1_210546_63380	NW_004516228.1	Scaffold866	63380	GG	TT	1940471742
SNP_P1_210547_63642	NW_004516228.1	Scaffold866	63642	CC	TT	1940471743
SNP_P1_210548_63658	NW_004516228.1	Scaffold866	63658	TT	CC	1940471744
SNP_P1_210549_63675	NW_004516228.1	Scaffold866	63675	AA	GG	1940471745
SNP_P1_210550_63696	NW_004516228.1	Scaffold866	63696	GG	AA	1940471746
SNP_P1_210551_63698	NW_004516228.1	Scaffold866	63698	AA	CC	1940471747
SNP_P1_210552_67578	NW_004516228.1	Scaffold866	67578	AA	TT	1940471748
SNP_P1_210553_67583	NW_004516228.1	Scaffold866	67583	GG	CC	1940471749
SNP_P1_210554_67607	NW_004516228.1	Scaffold866	67607	TT	CC	1940471750
SNP_P1_210555_87556	NW_004516228.1	Scaffold866	87556	AA	GG	1940471751
SNP_P1_210556_87593	NW_004516228.1	Scaffold866	87593	TT	GG	1940471752
SNP_P1_210557_87781	NW_004516228.1	Scaffold866	87781	GG	TT	1940471753
SNP_P1_210558_87824	NW_004516228.1	Scaffold866	87824	AA	GG	1940471754
SNP_P1_210559_87834	NW_004516228.1	Scaffold866	87834	AA	CC	1940471755
SNP_P1_210560_97673	NW_004516228.1	Scaffold866	97673	CC	TT	1940471756
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SNP_P1_210563_142415	NW_004516228.1	Scaffold866	142415	TT	CC	1940471758
SNP_P1_210564_142445	NW_004516228.1	Scaffold866	142445	GG	TT	1940471759
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SNP_P1_210566_142472	NW_004516228.1	Scaffold866	142472	GG	CC	1940471761
SNP_P1_210567_142781	NW_004516228.1	Scaffold866	142781	TT	CC	1940471762
SNP_P1_210568_142806	NW_004516228.1	Scaffold866	142806	TT	AA	1940471763
SNP_P1_210569_142854	NW_004516228.1	Scaffold866	142854	AA	TT	1940471764
SNP_P1_210570_142858	NW_004516228.1	Scaffold866	142858	AA	GG	1940471765
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SNP_P1_210573_142940	NW_004516228.1	Scaffold866	142940	CC	AA	1940471768
SNP_P1_210575_143013	NW_004516228.1	Scaffold866	143013	CC	GG	1940471769
SNP_P1_210576_143042	NW_004516228.1	Scaffold866	143042	TT	CC	1940471770
SNP_P1_210577_143050	NW_004516228.1	Scaffold866	143050	TT	CC	1940471771
SNP_P1_210578_144144	NW_004516228.1	Scaffold866	144144	GG	AA	1940471772
SNP_P1_210579_147515	NW_004516228.1	Scaffold866	147515	AA	TT	1940471773
SNP_P1_210580_147519	NW_004516228.1	Scaffold866	147519	CC	AA	1940471774
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SNP_P1_210582_173430	NW_004516228.1	Scaffold866	173430	TT	CC	1940471776
SNP_P1_210583_173488	NW_004516228.1	Scaffold866	173488	AA	GG	1940471777
SNP_P1_210584_210309	NW_004516228.1	Scaffold866	210309	AA	GG	1940471778
SNP_P1_210585_210350	NW_004516228.1	Scaffold866	210350	CC	TT	1940471779

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210588_3642	NW_004516229.1	Scaffold868	3642	AA	TT	1940471782
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SNP_P1_210590_5417	NW_004516229.1	Scaffold868	5417	GG	AA	1940471784
SNP_P1_210591_5758	NW_004516229.1	Scaffold868	5758	GG	AA	1940471785
SNP_P1_210592_5781	NW_004516229.1	Scaffold868	5781	CC	TT	1940471786
SNP_P1_210593_5804	NW_004516229.1	Scaffold868	5804	GG	AA	1940471787
SNP_P1_210594_21585	NW_004516229.1	Scaffold868	21585	GG	AA	1940471788
SNP_P1_210595_21964	NW_004516229.1	Scaffold868	21964	CC	AA	1940471789
SNP_P1_210596_22215	NW_004516229.1	Scaffold868	22215	TT	CC	1940471790
SNP_P1_210597_22363	NW_004516229.1	Scaffold868	22363	AA	TT	1940471791
SNP_P1_210598_24868	NW_004516229.1	Scaffold868	24868	CC	TT	1940471792
SNP_P1_210599_24873	NW_004516229.1	Scaffold868	24873	GG	CC	1940471793
SNP_P1_210600_25542	NW_004516229.1	Scaffold868	25542	AA	GG	1940471794
SNP_P1_210601_27228	NW_004516229.1	Scaffold868	27228	AA	TT	1940471795
SNP_P1_210602_27362	NW_004516229.1	Scaffold868	27362	AA	TT	1940471796
SNP_P1_210603_27721	NW_004516229.1	Scaffold868	27721	CC	AA	1940471797
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SNP_P1_210605_30365	NW_004516229.1	Scaffold868	30365	CC	TT	1940471799
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SNP_P1_210612_30672	NW_004516229.1	Scaffold868	30672	TT	CC	1940471806
SNP_P1_210614_31621	NW_004516229.1	Scaffold868	31621	CC	GG	1940471807
SNP_P1_210615_46681	NW_004516229.1	Scaffold868	46681	TT	CC	1940471808
SNP_P1_210616_46725	NW_004516229.1	Scaffold868	46725	TT	AA	1940471809
SNP_P1_210617_46922	NW_004516229.1	Scaffold868	46922	AA	TT	1940471810
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SNP_P1_210619_47014	NW_004516229.1	Scaffold868	47014	CC	TT	1940471812
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SNP_P1_210624_47163	NW_004516229.1	Scaffold868	47163	GG	AA	1940471817
SNP_P1_210625_47260	NW_004516229.1	Scaffold868	47260	CC	AA	1940471818
SNP_P1_210626_47263	NW_004516229.1	Scaffold868	47263	GG	AA	1940471819
SNP_P1_210627_47317	NW_004516229.1	Scaffold868	47317	AA	CC	1940471820
SNP_P1_210628_47353	NW_004516229.1	Scaffold868	47353	TT	CC	1940471821

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210631_47398	NW_004516229.1	Scaffold868	47398	GG	AA	1940471824
SNP_P1_210632_47439	NW_004516229.1	Scaffold868	47439	AA	TT	1940471825
SNP_P1_210633_47463	NW_004516229.1	Scaffold868	47463	GG	AA	1940471826
SNP_P1_210634_47503	NW_004516229.1	Scaffold868	47503	AA	CC	1940471827
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SNP_P1_210639_47699	NW_004516229.1	Scaffold868	47699	AA	GG	1940471832
SNP_P1_210640_47778	NW_004516229.1	Scaffold868	47778	AA	TT	1940471833
SNP_P1_210641_47779	NW_004516229.1	Scaffold868	47779	TT	GG	1940471834
SNP_P1_210642_47789	NW_004516229.1	Scaffold868	47789	AA	CC	1940471835
SNP_P1_210643_47835	NW_004516229.1	Scaffold868	47835	AA	GG	1940471836
SNP_P1_210644_47856	NW_004516229.1	Scaffold868	47856	CC	TT	1940471837
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SNP_P1_210646_47978	NW_004516229.1	Scaffold868	47978	AA	GG	1940471839
SNP_P1_210647_49720	NW_004516229.1	Scaffold868	49720	CC	GG	1940471840
SNP_P1_210648_51521	NW_004516229.1	Scaffold868	51521	AA	GG	1940471841
SNP_P1_210649_55707	NW_004516229.1	Scaffold868	55707	TT	CC	1940471842
SNP_P1_210650_55762	NW_004516229.1	Scaffold868	55762	CC	TT	1940471843
SNP_P1_210651_58213	NW_004516229.1	Scaffold868	58213	AA	GG	1940471844
SNP_P1_210653_58932	NW_004516229.1	Scaffold868	58932	CC	GG	1940471845
SNP_P1_210654_65882	NW_004516229.1	Scaffold868	65882	GG	AA	1940471847
SNP_P1_210655_70304	NW_004516229.1	Scaffold868	70304	AA	GG	1940471848
SNP_P1_210656_70340	NW_004516229.1	Scaffold868	70340	CC	TT	1940471849
SNP_P1_210657_70566	NW_004516229.1	Scaffold868	70566	GG	AA	1940471850
SNP_P1_210658_70599	NW_004516229.1	Scaffold868	70599	TT	AA	1940471851
SNP_P1_210659_1037	NW_004516230.1	Scaffold869	1037	GG	AA	1940471852
SNP_P1_210660_1274	NW_004516230.1	Scaffold869	1274	GG	AA	1940471853
SNP_P1_210662_17369	NW_004516230.1	Scaffold869	17369	AA	CC	1940471854
SNP_P1_210663_23116	NW_004516230.1	Scaffold869	23116	CC	AA	1940471855
SNP_P1_210664_23136	NW_004516230.1	Scaffold869	23136	CC	AA	1940471856
SNP_P1_210666_25666	NW_004516230.1	Scaffold869	25666	AA	TT	1940471857
SNP_P1_210668_28728	NW_004516230.1	Scaffold869	28728	TT	AA	1940471858
SNP_P1_210669_34472	NW_004516230.1	Scaffold869	34472	CC	TT	1940471859
SNP_P1_210671_45173	NW_004516230.1	Scaffold869	45173	AA	TT	1940471860
SNP_P1_210672_55964	NW_004516230.1	Scaffold869	55964	AA	GG	1940471861
SNP_P1_210673_57663	NW_004516230.1	Scaffold869	57663	TT	GG	1940471862
SNP_P1_210674_59802	NW_004516230.1	Scaffold869	59802	CC	GG	1940471863
SNP_P1_210675_68749	NW_004516230.1	Scaffold869	68749	CC	TT	1940471864

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_210676_69213	NW_004516230.1	Scaffold869	69213	TT	CC	1940471865
SNP_P1_210677_69421	NW_004516230.1	Scaffold869	69421	TT	AA	1940471866
SNP_P1_210678_69460	NW_004516230.1	Scaffold869	69460	TT	GG	1940471867
SNP_P1_210679_73054	NW_004516230.1	Scaffold869	73054	CC	TT	1940471868
SNP_P1_210680_73074	NW_004516230.1	Scaffold869	73074	TT	CC	1940471869
SNP_P1_210681_73081	NW_004516230.1	Scaffold869	73081	AA	GG	1940471870
SNP_P1_210682_73155	NW_004516230.1	Scaffold869	73155	GG	CC	1940471871
SNP_P1_210683_73192	NW_004516230.1	Scaffold869	73192	GG	AA	1940471872
SNP_P1_210684_73229	NW_004516230.1	Scaffold869	73229	CC	TT	1940471873
SNP_P1_210685_73272	NW_004516230.1	Scaffold869	73272	GG	AA	1940471874
SNP_P1_210686_77154	NW_004516230.1	Scaffold869	77154	AA	GG	1940471875
SNP_P1_210687_77170	NW_004516230.1	Scaffold869	77170	GG	TT	1940471876
SNP_P1_210688_83954	NW_004516230.1	Scaffold869	83954	CC	AA	1940471877
SNP_P1_210689_84291	NW_004516230.1	Scaffold869	84291	AA	GG	1940471878
SNP_P1_210690_88689	NW_004516230.1	Scaffold869	88689	GG	AA	1940471879
SNP_P1_210691_90341	NW_004516230.1	Scaffold869	90341	GG	AA	1940471880
SNP_P1_210692_95059	NW_004516230.1	Scaffold869	95059	CC	AA	1940471881
SNP_P1_210693_96692	NW_004516230.1	Scaffold869	96692	TT	CC	1940471882
SNP_P1_210694_96716	NW_004516230.1	Scaffold869	96716	AA	GG	1940471883
SNP_P1_210695_97014	NW_004516230.1	Scaffold869	97014	CC	TT	1940471884
SNP_P1_210696_97029	NW_004516230.1	Scaffold869	97029	CC	TT	1940471885
SNP_P1_210697_101612	NW_004516230.1	Scaffold869	101612	AA	TT	1940471886
SNP_P1_210698_104394	NW_004516230.1	Scaffold869	104394	GG	TT	1940471887
SNP_P1_210699_106183	NW_004516230.1	Scaffold869	106183	GG	TT	1940471888
SNP_P1_210700_111994	NW_004516230.1	Scaffold869	111994	TT	AA	1940471889
SNP_P1_210701_111996	NW_004516230.1	Scaffold869	111996	CC	TT	1940471890
SNP_P1_210702_113719	NW_004516230.1	Scaffold869	113719	AA	GG	1940471891
SNP_P1_210703_114898	NW_004516230.1	Scaffold869	114898	TT	CC	1940471892
SNP_P1_210704_114916	NW_004516230.1	Scaffold869	114916	TT	CC	1940471893
SNP_P1_210705_114917	NW_004516230.1	Scaffold869	114917	GG	AA	1940471894
SNP_P1_210706_116892	NW_004516230.1	Scaffold869	116892	TT	CC	1940471895
SNP_P1_210707_116893	NW_004516230.1	Scaffold869	116893	CC	TT	1940471896
SNP_P1_210708_121644	NW_004516230.1	Scaffold869	121644	AA	GG	1940471897
SNP_P1_210709_124076	NW_004516230.1	Scaffold869	124076	AA	CC	1940471898
SNP_P1_210710_134373	NW_004516230.1	Scaffold869	134373	GG	AA	1940471899
SNP_P1_210712_138242	NW_004516230.1	Scaffold869	138242	CC	TT	1940471900
SNP_P1_210714_141601	NW_004516230.1	Scaffold869	141601	CC	TT	1940471901
SNP_P1_210715_151619	NW_004516230.1	Scaffold869	151619	TT	CC	1940471902
SNP_P1_210716_151634	NW_004516230.1	Scaffold869	151634	AA	GG	1940471903
SNP_P1_210717_151638	NW_004516230.1	Scaffold869	151638	AA	GG	1940471904
SNP_P1_210718_151664	NW_004516230.1	Scaffold869	151664	CC	AA	1940471905
SNP_P1_210719_151678	NW_004516230.1	Scaffold869	151678	TT	AA	1940471906

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_210720_151693	NW_004516230.1	Scaffold869	151693	TT	CC	1940471907
SNP_P1_210721_1668	NW_004516231.1	Scaffold870	1668	AA	CC	1940471908
SNP_P1_210722_1934	NW_004516231.1	Scaffold870	1934	TT	CC	1940471909
SNP_P1_210723_1979	NW_004516231.1	Scaffold870	1979	TT	GG	1940471910
SNP_P1_210724_11459	NW_004516231.1	Scaffold870	11459	AA	TT	1940471911
SNP_P1_210725_17238	NW_004516231.1	Scaffold870	17238	AA	TT	1940471912
SNP_P1_210726_22923	NW_004516231.1	Scaffold870	22923	AA	GG	1940471913
SNP_P1_210729_42918	NW_004516231.1	Scaffold870	42918	AA	GG	1940471914
SNP_P1_210730_43175	NW_004516231.1	Scaffold870	43175	CC	AA	1940471915
SNP_P1_210731_43449	NW_004516231.1	Scaffold870	43449	AA	GG	1940471916
SNP_P1_210732_58182	NW_004516231.1	Scaffold870	58182	AA	TT	1940471917
SNP_P1_210733_58199	NW_004516231.1	Scaffold870	58199	AA	CC	1940471918
SNP_P1_210734_58507	NW_004516231.1	Scaffold870	58507	AA	CC	1940471919
SNP_P1_210735_58513	NW_004516231.1	Scaffold870	58513	AA	GG	1940471920
SNP_P1_210736_58516	NW_004516231.1	Scaffold870	58516	TT	CC	1940471921
SNP_P1_210737_58520	NW_004516231.1	Scaffold870	58520	TT	CC	1940471922
SNP_P1_210738_60361	NW_004516231.1	Scaffold870	60361	CC	TT	1940471923
SNP_P1_210739_61201	NW_004516231.1	Scaffold870	61201	TT	GG	1940471924
SNP_P1_210740_61232	NW_004516231.1	Scaffold870	61232	AA	GG	1940471925
SNP_P1_210741_61235	NW_004516231.1	Scaffold870	61235	GG	CC	1940471926
SNP_P1_210742_61236	NW_004516231.1	Scaffold870	61236	TT	CC	1940471927
SNP_P1_210744_66462	NW_004516231.1	Scaffold870	66462	AA	GG	1940471928
SNP_P1_210745_73167	NW_004516231.1	Scaffold870	73167	AA	TT	1940471929
SNP_P1_210746_73436	NW_004516231.1	Scaffold870	73436	TT	AA	1940471930
SNP_P1_210747_73442	NW_004516231.1	Scaffold870	73442	AA	GG	1940471931
SNP_P1_210748_73635	NW_004516231.1	Scaffold870	73635	CC	TT	1940471932
SNP_P1_210749_73802	NW_004516231.1	Scaffold870	73802	AA	TT	1940471933
SNP_P1_210750_76763	NW_004516231.1	Scaffold870	76763	AA	TT	1940471934
SNP_P1_210751_76953	NW_004516231.1	Scaffold870	76953	TT	AA	1940471935
SNP_P1_210752_82167	NW_004516231.1	Scaffold870	82167	AA	TT	1940471936
SNP_P1_210753_82179	NW_004516231.1	Scaffold870	82179	TT	AA	1940471937
SNP_P1_210756_82475	NW_004516231.1	Scaffold870	82475	TT	GG	1940471938
SNP_P1_210757_82477	NW_004516231.1	Scaffold870	82477	CC	TT	1940471939
SNP_P1_210758_82489	NW_004516231.1	Scaffold870	82489	GG	AA	1940471940
SNP_P1_210759_82579	NW_004516231.1	Scaffold870	82579	GG	AA	1940471941
SNP_P1_210760_82638	NW_004516231.1	Scaffold870	82638	AA	GG	1940471942
SNP_P1_210761_82663	NW_004516231.1	Scaffold870	82663	GG	AA	1940471943
SNP_P1_210762_82672	NW_004516231.1	Scaffold870	82672	GG	TT	1940471944
SNP_P1_210763_82680	NW_004516231.1	Scaffold870	82680	CC	TT	1940471945
SNP_P1_210764_1131	NW_004516232.1	Scaffold872	1131	AA	TT	1940471946
SNP_P1_210765_1137	NW_004516232.1	Scaffold872	1137	AA	TT	1940471947
SNP_P1_210766_1253	NW_004516232.1	Scaffold872	1253	TT	AA	1940471948

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_210767_1262	NW_004516232.1	Scaffold872	1262	TT	CC	1940471949
SNP_P1_210768_1271	NW_004516232.1	Scaffold872	1271	AA	CC	1940471950
SNP_P1_210769_5472	NW_004516232.1	Scaffold872	5472	GG	TT	1940471951
SNP_P1_210770_5590	NW_004516232.1	Scaffold872	5590	AA	GG	1940471952
SNP_P1_210771_17077	NW_004516232.1	Scaffold872	17077	CC	TT	1940471953
SNP_P1_210772_17350	NW_004516232.1	Scaffold872	17350	TT	AA	1940471954
SNP_P1_210773_116	NW_004516233.1	Scaffold873	116	TT	CC	1940471955
SNP_P1_210774_132	NW_004516233.1	Scaffold873	132	TT	CC	1940471956
SNP_P1_210775_182	NW_004516233.1	Scaffold873	182	GG	CC	1940471957
SNP_P1_210776_229	NW_004516233.1	Scaffold873	229	CC	GG	1940471958
SNP_P1_210777_266	NW_004516233.1	Scaffold873	266	TT	GG	1940471959
SNP_P1_210778_287	NW_004516233.1	Scaffold873	287	AA	GG	1940471960
SNP_P1_210779_320	NW_004516233.1	Scaffold873	320	TT	CC	1940471961
SNP_P1_210780_477	NW_004516233.1	Scaffold873	477	TT	GG	1940471962
SNP_P1_210781_493	NW_004516233.1	Scaffold873	493	TT	CC	1940471963
SNP_P1_210782_6450	NW_004516233.1	Scaffold873	6450	AA	CC	1940471964
SNP_P1_210783_9505	NW_004516233.1	Scaffold873	9505	TT	GG	1940471965
SNP_P1_210784_9544	NW_004516233.1	Scaffold873	9544	GG	AA	1940471966
SNP_P1_210785_9553	NW_004516233.1	Scaffold873	9553	AA	CC	1940471967
SNP_P1_210786_9556	NW_004516233.1	Scaffold873	9556	TT	GG	1940471968
SNP_P1_210789_88984	NW_004516233.1	Scaffold873	88984	CC	TT	1940471969
SNP_P1_210790_89891	NW_004516233.1	Scaffold873	89891	TT	CC	1940471970
SNP_P1_210791_99334	NW_004516233.1	Scaffold873	99334	TT	CC	1940471971
SNP_P1_210792_145774	NW_004516233.1	Scaffold873	145774	GG	AA	1940471972
SNP_P1_210793_162743	NW_004516233.1	Scaffold873	162743	GG	AA	1940471973
SNP_P1_210794_166402	NW_004516233.1	Scaffold873	166402	AA	GG	1940471974
SNP_P1_210795_194373	NW_004516233.1	Scaffold873	194373	TT	AA	1940471975
SNP_P1_210797_225300	NW_004516233.1	Scaffold873	225300	AA	TT	1940471976
SNP_P1_210798_241951	NW_004516233.1	Scaffold873	241951	AA	GG	1940471977
SNP_P1_210799_242608	NW_004516233.1	Scaffold873	242608	CC	TT	1940471978
SNP_P1_210800_242639	NW_004516233.1	Scaffold873	242639	CC	TT	1940471979
SNP_P1_210801_242643	NW_004516233.1	Scaffold873	242643	AA	CC	1940471980
SNP_P1_210802_242693	NW_004516233.1	Scaffold873	242693	TT	CC	1940471981
SNP_P1_210803_242697	NW_004516233.1	Scaffold873	242697	TT	CC	1940471982
SNP_P1_210804_242726	NW_004516233.1	Scaffold873	242726	AA	GG	1940471983
SNP_P1_210805_242727	NW_004516233.1	Scaffold873	242727	GG	TT	1940471984
SNP_P1_210807_242788	NW_004516233.1	Scaffold873	242788	CC	TT	1940471985
SNP_P1_210808_242811	NW_004516233.1	Scaffold873	242811	GG	AA	1940471986
SNP_P1_210809_243176	NW_004516233.1	Scaffold873	243176	CC	TT	1940471987
SNP_P1_210810_262924	NW_004516233.1	Scaffold873	262924	TT	AA	1940471988
SNP_P1_210811_262954	NW_004516233.1	Scaffold873	262954	TT	AA	1940471989
SNP_P1_210813_278247	NW_004516233.1	Scaffold873	278247	AA	GG	1940471990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_210814_279002	NW_004516233.1	Scaffold873	279002	AA	CC	1940471991
SNP_P1_210815_286699	NW_004516233.1	Scaffold873	286699	TT	CC	1940471992
SNP_P1_210816_286700	NW_004516233.1	Scaffold873	286700	CC	TT	1940471993
SNP_P1_210817_286717	NW_004516233.1	Scaffold873	286717	TT	CC	1940471994
SNP_P1_210818_286737	NW_004516233.1	Scaffold873	286737	AA	GG	1940471995
SNP_P1_210819_286864	NW_004516233.1	Scaffold873	286864	CC	TT	1940471996
SNP_P1_210820_287184	NW_004516233.1	Scaffold873	287184	GG	AA	1940471997
SNP_P1_210821_287357	NW_004516233.1	Scaffold873	287357	TT	CC	1940471998
SNP_P1_210822_309826	NW_004516233.1	Scaffold873	309826	CC	TT	1940471999
SNP_P1_210824_312239	NW_004516233.1	Scaffold873	312239	GG	AA	1940472000
SNP_P1_210825_315155	NW_004516233.1	Scaffold873	315155	TT	GG	1940472001
SNP_P1_210826_315249	NW_004516233.1	Scaffold873	315249	AA	GG	1940472002
SNP_P1_210827_315620	NW_004516233.1	Scaffold873	315620	TT	CC	1940472003
SNP_P1_210828_318677	NW_004516233.1	Scaffold873	318677	AA	CC	1940472004
SNP_P1_210829_318749	NW_004516233.1	Scaffold873	318749	AA	GG	1940472005
SNP_P1_210830_334567	NW_004516233.1	Scaffold873	334567	AA	CC	1940472006
SNP_P1_210831_334680	NW_004516233.1	Scaffold873	334680	GG	AA	1940472007
SNP_P1_210832_335751	NW_004516233.1	Scaffold873	335751	GG	AA	1940472008
SNP_P1_210833_336852	NW_004516233.1	Scaffold873	336852	TT	AA	1940472009
SNP_P1_210834_344805	NW_004516233.1	Scaffold873	344805	AA	GG	1940472010
SNP_P1_210835_344806	NW_004516233.1	Scaffold873	344806	GG	AA	1940472012
SNP_P1_210836_344827	NW_004516233.1	Scaffold873	344827	AA	CC	1940472013
SNP_P1_210838_344960	NW_004516233.1	Scaffold873	344960	AA	GG	1940472014
SNP_P1_210839_345178	NW_004516233.1	Scaffold873	345178	AA	CC	1940472015
SNP_P1_210840_345218	NW_004516233.1	Scaffold873	345218	AA	GG	1940472016
SNP_P1_210841_345278	NW_004516233.1	Scaffold873	345278	TT	AA	1940472017
SNP_P1_210842_348160	NW_004516233.1	Scaffold873	348160	CC	TT	1940472018
SNP_P1_210843_25472	NW_004516234.1	Scaffold875	25472	GG	AA	1940472019
SNP_P1_210844_43033	NW_004516234.1	Scaffold875	43033	AA	CC	1940472020
SNP_P1_210845_43114	NW_004516234.1	Scaffold875	43114	GG	AA	1940472021
SNP_P1_210846_69478	NW_004516234.1	Scaffold875	69478	CC	TT	1940472022
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SNP_P1_210848_104869	NW_004516234.1	Scaffold875	104869	GG	AA	1940472024
SNP_P1_210849_107859	NW_004516234.1	Scaffold875	107859	AA	GG	1940472025
SNP_P1_210850_107957	NW_004516234.1	Scaffold875	107957	CC	TT	1940472026
SNP_P1_210851_108087	NW_004516234.1	Scaffold875	108087	GG	AA	1940472027
SNP_P1_210852_108160	NW_004516234.1	Scaffold875	108160	AA	GG	1940472028
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SNP_P1_210856_108331	NW_004516234.1	Scaffold875	108331	CC	GG	1940472032
SNP_P1_210857_108344	NW_004516234.1	Scaffold875	108344	AA	TT	1940472033

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210859_108429	NW_004516234.1	Scaffold875	108429	CC	TT	1940472035
SNP_P1_210860_108539	NW_004516234.1	Scaffold875	108539	CC	AA	1940472036
SNP_P1_210861_3766	NW_004516235.1	Scaffold876	3766	GG	AA	1940472037
SNP_P1_210863_3929	NW_004516235.1	Scaffold876	3929	CC	TT	1940472038
SNP_P1_210865_5373	NW_004516235.1	Scaffold876	5373	CC	AA	1940472039
SNP_P1_210866_10543	NW_004516235.1	Scaffold876	10543	AA	GG	1940472040
SNP_P1_210867_10565	NW_004516235.1	Scaffold876	10565	GG	AA	1940472041
SNP_P1_210868_26054	NW_004516235.1	Scaffold876	26054	AA	GG	1940472042
SNP_P1_210869_34006	NW_004516235.1	Scaffold876	34006	AA	CC	1940472043
SNP_P1_210871_42669	NW_004516235.1	Scaffold876	42669	TT	AA	1940472044
SNP_P1_210872_42730	NW_004516235.1	Scaffold876	42730	GG	AA	1940472045
SNP_P1_210873_45322	NW_004516235.1	Scaffold876	45322	AA	GG	1940472046
SNP_P1_210874_45359	NW_004516235.1	Scaffold876	45359	GG	TT	1940472047
SNP_P1_210876_45636	NW_004516235.1	Scaffold876	45636	GG	AA	1940472048
SNP_P1_210877_45643	NW_004516235.1	Scaffold876	45643	GG	AA	1940472049
SNP_P1_210878_45663	NW_004516235.1	Scaffold876	45663	AA	GG	1940472050
SNP_P1_210879_52903	NW_004516235.1	Scaffold876	52903	GG	AA	1940472051
SNP_P1_210880_53521	NW_004516235.1	Scaffold876	53521	CC	TT	1940472052
SNP_P1_210881_53933	NW_004516235.1	Scaffold876	53933	CC	TT	1940472053
SNP_P1_210882_53962	NW_004516235.1	Scaffold876	53962	CC	TT	1940472054
SNP_P1_210883_59893	NW_004516235.1	Scaffold876	59893	AA	TT	1940472055
SNP_P1_210884_59900	NW_004516235.1	Scaffold876	59900	CC	TT	1940472056
SNP_P1_210886_64307	NW_004516235.1	Scaffold876	64307	CC	TT	1940472057
SNP_P1_210887_64968	NW_004516235.1	Scaffold876	64968	TT	CC	1940472058
SNP_P1_210888_64970	NW_004516235.1	Scaffold876	64970	AA	GG	1940472059
SNP_P1_210889_65027	NW_004516235.1	Scaffold876	65027	AA	TT	1940472060
SNP_P1_210890_65046	NW_004516235.1	Scaffold876	65046	GG	AA	1940472061
SNP_P1_210891_65326	NW_004516235.1	Scaffold876	65326	AA	GG	1940472062
SNP_P1_210892_65361	NW_004516235.1	Scaffold876	65361	TT	AA	1940472063
SNP_P1_210893_65408	NW_004516235.1	Scaffold876	65408	TT	CC	1940472064
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SNP_P1_210896_65462	NW_004516235.1	Scaffold876	65462	GG	AA	1940472067
SNP_P1_210897_66909	NW_004516235.1	Scaffold876	66909	GG	TT	1940472068
SNP_P1_210898_80458	NW_004516235.1	Scaffold876	80458	CC	TT	1940472069
SNP_P1_210899_84125	NW_004516235.1	Scaffold876	84125	GG	TT	1940472070
SNP_P1_210900_84148	NW_004516235.1	Scaffold876	84148	TT	GG	1940472071
SNP_P1_210901_84656	NW_004516235.1	Scaffold876	84656	CC	GG	1940472072
SNP_P1_210902_97221	NW_004516235.1	Scaffold876	97221	AA	GG	1940472073
SNP_P1_210903_101423	NW_004516235.1	Scaffold876	101423	AA	TT	1940472074
SNP_P1_210904_101647	NW_004516235.1	Scaffold876	101647	CC	GG	1940472075

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_210905_101650	NW_004516235.1	Scaffold876	101650	TT	CC	1940472076
SNP_P1_210906_101653	NW_004516235.1	Scaffold876	101653	GG	AA	1940472077
SNP_P1_210907_104309	NW_004516235.1	Scaffold876	104309	TT	CC	1940472078
SNP_P1_210909_116847	NW_004516235.1	Scaffold876	116847	CC	AA	1940472079
SNP_P1_210910_152094	NW_004516235.1	Scaffold876	152094	TT	CC	1940472080
SNP_P1_210911_152169	NW_004516235.1	Scaffold876	152169	CC	AA	1940472081
SNP_P1_210912_152172	NW_004516235.1	Scaffold876	152172	AA	GG	1940472082
SNP_P1_210913_152211	NW_004516235.1	Scaffold876	152211	GG	AA	1940472083
SNP_P1_210914_155088	NW_004516235.1	Scaffold876	155088	TT	CC	1940472084
SNP_P1_210915_159306	NW_004516235.1	Scaffold876	159306	AA	GG	1940472085
SNP_P1_210916_159307	NW_004516235.1	Scaffold876	159307	AA	TT	1940472086
SNP_P1_210918_174471	NW_004516235.1	Scaffold876	174471	AA	GG	1940472087
SNP_P1_210919_191648	NW_004516235.1	Scaffold876	191648	TT	GG	1940472088
SNP_P1_210920_191991	NW_004516235.1	Scaffold876	191991	TT	AA	1940472089
SNP_P1_210921_198298	NW_004516235.1	Scaffold876	198298	GG	AA	1940472090
SNP_P1_210922_200668	NW_004516235.1	Scaffold876	200668	TT	CC	1940472091
SNP_P1_210924_254721	NW_004516235.1	Scaffold876	254721	AA	GG	1940472092
SNP_P1_210925_254743	NW_004516235.1	Scaffold876	254743	AA	TT	1940472093
SNP_P1_210926_254759	NW_004516235.1	Scaffold876	254759	GG	AA	1940472094
SNP_P1_210927_255167	NW_004516235.1	Scaffold876	255167	AA	GG	1940472095
SNP_P1_210928_256085	NW_004516235.1	Scaffold876	256085	CC	TT	1940472096
SNP_P1_210929_256452	NW_004516235.1	Scaffold876	256452	CC	TT	1940472097
SNP_P1_210930_258302	NW_004516235.1	Scaffold876	258302	TT	AA	1940472098
SNP_P1_210932_274875	NW_004516235.1	Scaffold876	274875	TT	AA	1940472099
SNP_P1_210933_280160	NW_004516235.1	Scaffold876	280160	CC	TT	1940472100
SNP_P1_210934_280167	NW_004516235.1	Scaffold876	280167	AA	GG	1940472101
SNP_P1_210936_301593	NW_004516235.1	Scaffold876	301593	GG	AA	1940472102
SNP_P1_210937_302114	NW_004516235.1	Scaffold876	302114	CC	TT	1940472103
SNP_P1_210938_302590	NW_004516235.1	Scaffold876	302590	CC	TT	1940472104
SNP_P1_210939_302690	NW_004516235.1	Scaffold876	302690	AA	GG	1940472105
SNP_P1_210940_302701	NW_004516235.1	Scaffold876	302701	CC	TT	1940472106
SNP_P1_210941_306648	NW_004516235.1	Scaffold876	306648	GG	TT	1940472107
SNP_P1_210942_323577	NW_004516235.1	Scaffold876	323577	AA	CC	1940472108
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SNP_P1_210944_339475	NW_004516235.1	Scaffold876	339475	AA	GG	1940472110
SNP_P1_210945_339509	NW_004516235.1	Scaffold876	339509	TT	CC	1940472111
SNP_P1_210946_339839	NW_004516235.1	Scaffold876	339839	CC	TT	1940472112
SNP_P1_210947_343245	NW_004516235.1	Scaffold876	343245	CC	AA	1940472113
SNP_P1_210948_355274	NW_004516235.1	Scaffold876	355274	AA	CC	1940472114
SNP_P1_210949_355356	NW_004516235.1	Scaffold876	355356	TT	GG	1940472115
SNP_P1_210950_355376	NW_004516235.1	Scaffold876	355376	CC	GG	1940472116
SNP_P1_210951_355476	NW_004516235.1	Scaffold876	355476	CC	TT	1940472117

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210953_363300	NW_004516235.1	Scaffold876	363300	GG	AA	1940472119
SNP_P1_210954_363305	NW_004516235.1	Scaffold876	363305	CC	TT	1940472120
SNP_P1_210955_363313	NW_004516235.1	Scaffold876	363313	CC	TT	1940472121
SNP_P1_210957_363332	NW_004516235.1	Scaffold876	363332	GG	AA	1940472122
SNP_P1_210958_363352	NW_004516235.1	Scaffold876	363352	AA	GG	1940472123
SNP_P1_210959_368890	NW_004516235.1	Scaffold876	368890	TT	CC	1940472124
SNP_P1_210960_369429	NW_004516235.1	Scaffold876	369429	CC	TT	1940472125
SNP_P1_210961_369454	NW_004516235.1	Scaffold876	369454	AA	GG	1940472126
SNP_P1_210962_369587	NW_004516235.1	Scaffold876	369587	TT	CC	1940472127
SNP_P1_210963_369862	NW_004516235.1	Scaffold876	369862	AA	GG	1940472128
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SNP_P1_210965_369888	NW_004516235.1	Scaffold876	369888	AA	CC	1940472130
SNP_P1_210967_370120	NW_004516235.1	Scaffold876	370120	CC	TT	1940472131
SNP_P1_210968_370931	NW_004516235.1	Scaffold876	370931	CC	TT	1940472132
SNP_P1_210969_392146	NW_004516235.1	Scaffold876	392146	AA	GG	1940472133
SNP_P1_210970_392448	NW_004516235.1	Scaffold876	392448	TT	CC	1940472134
SNP_P1_210971_392479	NW_004516235.1	Scaffold876	392479	AA	GG	1940472135
SNP_P1_210972_392521	NW_004516235.1	Scaffold876	392521	TT	CC	1940472136
SNP_P1_210973_392524	NW_004516235.1	Scaffold876	392524	TT	CC	1940472137
SNP_P1_210974_392660	NW_004516235.1	Scaffold876	392660	CC	TT	1940472138
SNP_P1_210975_397291	NW_004516235.1	Scaffold876	397291	AA	GG	1940472139
SNP_P1_210976_397325	NW_004516235.1	Scaffold876	397325	TT	CC	1940472140
SNP_P1_210977_397525	NW_004516235.1	Scaffold876	397525	TT	CC	1940472141
SNP_P1_210978_404086	NW_004516235.1	Scaffold876	404086	AA	TT	1940472142
SNP_P1_210979_404123	NW_004516235.1	Scaffold876	404123	CC	AA	1940472143
SNP_P1_210980_404131	NW_004516235.1	Scaffold876	404131	CC	TT	1940472144
SNP_P1_210981_406613	NW_004516235.1	Scaffold876	406613	GG	AA	1940472145
SNP_P1_210982_432529	NW_004516235.1	Scaffold876	432529	AA	GG	1940472146
SNP_P1_210984_437719	NW_004516235.1	Scaffold876	437719	TT	CC	1940472147
SNP_P1_210985_437740	NW_004516235.1	Scaffold876	437740	AA	GG	1940472148
SNP_P1_210986_437821	NW_004516235.1	Scaffold876	437821	AA	GG	1940472149
SNP_P1_210987_437824	NW_004516235.1	Scaffold876	437824	TT	AA	1940472150
SNP_P1_210988_437828	NW_004516235.1	Scaffold876	437828	TT	AA	1940472151
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SNP_P1_210991_438697	NW_004516235.1	Scaffold876	438697	TT	GG	1940472154
SNP_P1_210992_438733	NW_004516235.1	Scaffold876	438733	TT	CC	1940472155
SNP_P1_210993_438747	NW_004516235.1	Scaffold876	438747	TT	CC	1940472156
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SNP_P1_210995_442302	NW_004516235.1	Scaffold876	442302	AA	GG	1940472158
SNP_P1_210996_442371	NW_004516235.1	Scaffold876	442371	TT	CC	1940472159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_210998_442380	NW_004516235.1	Scaffold876	442380	GG	AA	1940472161
SNP_P1_210999_442430	NW_004516235.1	Scaffold876	442430	AA	GG	1940472162
SNP_P1_211000_442587	NW_004516235.1	Scaffold876	442587	TT	AA	1940472163
SNP_P1_211001_442588	NW_004516235.1	Scaffold876	442588	CC	GG	1940472164
SNP_P1_211002_442654	NW_004516235.1	Scaffold876	442654	TT	CC	1940472165
SNP_P1_211003_442757	NW_004516235.1	Scaffold876	442757	TT	CC	1940472166
SNP_P1_211004_442806	NW_004516235.1	Scaffold876	442806	CC	GG	1940472167
SNP_P1_211005_442933	NW_004516235.1	Scaffold876	442933	TT	AA	1940472168
SNP_P1_211006_443144	NW_004516235.1	Scaffold876	443144	GG	AA	1940472169
SNP_P1_211007_443147	NW_004516235.1	Scaffold876	443147	CC	TT	1940472170
SNP_P1_211008_443148	NW_004516235.1	Scaffold876	443148	GG	AA	1940472172
SNP_P1_211009_443334	NW_004516235.1	Scaffold876	443334	CC	GG	1940472173
SNP_P1_211010_443341	NW_004516235.1	Scaffold876	443341	CC	AA	1940472174
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SNP_P1_211013_446474	NW_004516235.1	Scaffold876	446474	CC	AA	1940472177
SNP_P1_211014_446689	NW_004516235.1	Scaffold876	446689	AA	CC	1940472178
SNP_P1_211015_446699	NW_004516235.1	Scaffold876	446699	TT	CC	1940472179
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SNP_P1_211017_446720	NW_004516235.1	Scaffold876	446720	AA	TT	1940472181
SNP_P1_211018_446738	NW_004516235.1	Scaffold876	446738	GG	AA	1940472182
SNP_P1_211019_446740	NW_004516235.1	Scaffold876	446740	GG	AA	1940472183
SNP_P1_211020_446920	NW_004516235.1	Scaffold876	446920	TT	GG	1940472184
SNP_P1_211021_447217	NW_004516235.1	Scaffold876	447217	AA	GG	1940472185
SNP_P1_211022_447220	NW_004516235.1	Scaffold876	447220	AA	GG	1940472186
SNP_P1_211023_447269	NW_004516235.1	Scaffold876	447269	TT	AA	1940472187
SNP_P1_211024_447280	NW_004516235.1	Scaffold876	447280	TT	GG	1940472188
SNP_P1_211025_447681	NW_004516235.1	Scaffold876	447681	GG	AA	1940472189
SNP_P1_211026_453010	NW_004516235.1	Scaffold876	453010	TT	AA	1940472190
SNP_P1_211027_453031	NW_004516235.1	Scaffold876	453031	GG	AA	1940472191
SNP_P1_211028_457409	NW_004516235.1	Scaffold876	457409	AA	CC	1940472192
SNP_P1_211029_457461	NW_004516235.1	Scaffold876	457461	AA	GG	1940472193
SNP_P1_211030_458335	NW_004516235.1	Scaffold876	458335	AA	GG	1940472194
SNP_P1_211031_458466	NW_004516235.1	Scaffold876	458466	AA	CC	1940472195
SNP_P1_211032_458468	NW_004516235.1	Scaffold876	458468	GG	AA	1940472196
SNP_P1_211033_458623	NW_004516235.1	Scaffold876	458623	AA	TT	1940472197
SNP_P1_211034_463040	NW_004516235.1	Scaffold876	463040	AA	TT	1940472198
SNP_P1_211035_474254	NW_004516235.1	Scaffold876	474254	GG	CC	1940472199
SNP_P1_211036_474466	NW_004516235.1	Scaffold876	474466	AA	GG	1940472200
SNP_P1_211037_474494	NW_004516235.1	Scaffold876	474494	AA	GG	1940472201
SNP_P1_211038_474682	NW_004516235.1	Scaffold876	474682	CC	TT	1940472202

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211040_475028	NW_004516235.1	Scaffold876	475028	TT	AA	1940472204
SNP_P1_211041_476009	NW_004516235.1	Scaffold876	476009	AA	GG	1940472205
SNP_P1_211042_476064	NW_004516235.1	Scaffold876	476064	AA	GG	1940472206
SNP_P1_211043_478292	NW_004516235.1	Scaffold876	478292	TT	CC	1940472207
SNP_P1_211044_482472	NW_004516235.1	Scaffold876	482472	AA	GG	1940472208
SNP_P1_211045_482553	NW_004516235.1	Scaffold876	482553	AA	GG	1940472209
SNP_P1_211046_501522	NW_004516235.1	Scaffold876	501522	AA	GG	1940472210
SNP_P1_211047_505768	NW_004516235.1	Scaffold876	505768	AA	TT	1940472211
SNP_P1_211048_505802	NW_004516235.1	Scaffold876	505802	TT	GG	1940472212
SNP_P1_211049_505804	NW_004516235.1	Scaffold876	505804	TT	CC	1940472213
SNP_P1_211050_505805	NW_004516235.1	Scaffold876	505805	AA	CC	1940472214
SNP_P1_211051_507348	NW_004516235.1	Scaffold876	507348	TT	GG	1940472215
SNP_P1_211052_507655	NW_004516235.1	Scaffold876	507655	CC	TT	1940472216
SNP_P1_211053_508503	NW_004516235.1	Scaffold876	508503	AA	TT	1940472217
SNP_P1_211054_509548	NW_004516235.1	Scaffold876	509548	AA	GG	1940472218
SNP_P1_211055_509572	NW_004516235.1	Scaffold876	509572	GG	AA	1940472219
SNP_P1_211056_509788	NW_004516235.1	Scaffold876	509788	CC	TT	1940472220
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SNP_P1_211058_509866	NW_004516235.1	Scaffold876	509866	AA	GG	1940472222
SNP_P1_211059_519423	NW_004516235.1	Scaffold876	519423	TT	AA	1940472223
SNP_P1_211060_519427	NW_004516235.1	Scaffold876	519427	CC	GG	1940472224
SNP_P1_211061_519496	NW_004516235.1	Scaffold876	519496	AA	GG	1940472225
SNP_P1_211062_519803	NW_004516235.1	Scaffold876	519803	CC	GG	1940472226
SNP_P1_211063_519903	NW_004516235.1	Scaffold876	519903	CC	TT	1940472227
SNP_P1_211064_524223	NW_004516235.1	Scaffold876	524223	GG	TT	1940472228
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SNP_P1_211066_534894	NW_004516235.1	Scaffold876	534894	GG	TT	1940472230
SNP_P1_211067_542535	NW_004516235.1	Scaffold876	542535	CC	TT	1940472231
SNP_P1_211068_545996	NW_004516235.1	Scaffold876	545996	GG	TT	1940472232
SNP_P1_211069_556601	NW_004516235.1	Scaffold876	556601	TT	GG	1940472233
SNP_P1_211070_556620	NW_004516235.1	Scaffold876	556620	CC	AA	1940472234
SNP_P1_211071_556631	NW_004516235.1	Scaffold876	556631	AA	GG	1940472235
SNP_P1_211072_556663	NW_004516235.1	Scaffold876	556663	TT	GG	1940472236
SNP_P1_211073_556671	NW_004516235.1	Scaffold876	556671	AA	GG	1940472237
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SNP_P1_211078_563360	NW_004516235.1	Scaffold876	563360	CC	TT	1940472240
SNP_P1_211079_563380	NW_004516235.1	Scaffold876	563380	GG	AA	1940472241
SNP_P1_211080_563413	NW_004516235.1	Scaffold876	563413	AA	GG	1940472242
SNP_P1_211081_563569	NW_004516235.1	Scaffold876	563569	CC	TT	1940472243
SNP_P1_211082_563613	NW_004516235.1	Scaffold876	563613	CC	TT	1940472244

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211084_575088	NW_004516235.1	Scaffold876	575088	CC	TT	1940472246
SNP_P1_211085_575099	NW_004516235.1	Scaffold876	575099	GG	AA	1940472247
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SNP_P1_211089_575343	NW_004516235.1	Scaffold876	575343	GG	AA	1940472250
SNP_P1_211090_575494	NW_004516235.1	Scaffold876	575494	CC	AA	1940472251
SNP_P1_211091_575503	NW_004516235.1	Scaffold876	575503	GG	AA	1940472252
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SNP_P1_211093_582605	NW_004516235.1	Scaffold876	582605	AA	CC	1940472254
SNP_P1_211094_582607	NW_004516235.1	Scaffold876	582607	TT	AA	1940472255
SNP_P1_211095_582679	NW_004516235.1	Scaffold876	582679	TT	CC	1940472256
SNP_P1_211096_582987	NW_004516235.1	Scaffold876	582987	TT	CC	1940472257
SNP_P1_211097_583012	NW_004516235.1	Scaffold876	583012	CC	TT	1940472258
SNP_P1_211098_607882	NW_004516235.1	Scaffold876	607882	AA	TT	1940472259
SNP_P1_211099_608176	NW_004516235.1	Scaffold876	608176	CC	TT	1940472260
SNP_P1_211100_614069	NW_004516235.1	Scaffold876	614069	TT	CC	1940472261
SNP_P1_211101_617064	NW_004516235.1	Scaffold876	617064	TT	CC	1940472262
SNP_P1_211103_622737	NW_004516235.1	Scaffold876	622737	GG	AA	1940472263
SNP_P1_211104_622820	NW_004516235.1	Scaffold876	622820	GG	AA	1940472264
SNP_P1_211105_93	NW_004516236.1	Scaffold877	93	TT	GG	1940472265
SNP_P1_211106_115	NW_004516236.1	Scaffold877	115	AA	GG	1940472266
SNP_P1_211107_130	NW_004516236.1	Scaffold877	130	GG	CC	1940472267
SNP_P1_211108_235	NW_004516236.1	Scaffold877	235	AA	GG	1940472268
SNP_P1_211109_279	NW_004516236.1	Scaffold877	279	GG	CC	1940472269
SNP_P1_211110_595	NW_004516236.1	Scaffold877	595	AA	CC	1940472270
SNP_P1_211111_692	NW_004516236.1	Scaffold877	692	TT	CC	1940472271
SNP_P1_211112_2565	NW_004516236.1	Scaffold877	2565	AA	GG	1940472272
SNP_P1_211113_2566	NW_004516236.1	Scaffold877	2566	GG	CC	1940472273
SNP_P1_211114_3376	NW_004516236.1	Scaffold877	3376	CC	GG	1940472274
SNP_P1_211115_10711	NW_004516236.1	Scaffold877	10711	AA	CC	1940472275
SNP_P1_211116_10783	NW_004516236.1	Scaffold877	10783	AA	GG	1940472276
SNP_P1_211118_10925	NW_004516236.1	Scaffold877	10925	TT	CC	1940472277
SNP_P1_211119_11050	NW_004516236.1	Scaffold877	11050	AA	GG	1940472278
SNP_P1_211121_11300	NW_004516236.1	Scaffold877	11300	GG	TT	1940472279
SNP_P1_211122_11332	NW_004516236.1	Scaffold877	11332	AA	GG	1940472280
SNP_P1_211123_11432	NW_004516236.1	Scaffold877	11432	CC	TT	1940472281
SNP_P1_211124_11470	NW_004516236.1	Scaffold877	11470	GG	TT	1940472282
SNP_P1_211125_11532	NW_004516236.1	Scaffold877	11532	AA	TT	1940472283
SNP_P1_211126_11692	NW_004516236.1	Scaffold877	11692	AA	TT	1940472284
SNP_P1_211127_11765	NW_004516236.1	Scaffold877	11765	GG	CC	1940472285
SNP_P1_211128_11927	NW_004516236.1	Scaffold877	11927	TT	CC	1940472286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211130_12655	NW_004516236.1	Scaffold877	12655	AA	GG	1940472288
SNP_P1_211131_12688	NW_004516236.1	Scaffold877	12688	AA	GG	1940472289
SNP_P1_211132_12748	NW_004516236.1	Scaffold877	12748	GG	AA	1940472290
SNP_P1_211133_14489	NW_004516236.1	Scaffold877	14489	TT	AA	1940472291
SNP_P1_211134_14530	NW_004516236.1	Scaffold877	14530	AA	GG	1940472292
SNP_P1_211135_14688	NW_004516236.1	Scaffold877	14688	CC	TT	1940472293
SNP_P1_211136_14692	NW_004516236.1	Scaffold877	14692	TT	GG	1940472294
SNP_P1_211137_14701	NW_004516236.1	Scaffold877	14701	GG	AA	1940472295
SNP_P1_211138_14875	NW_004516236.1	Scaffold877	14875	AA	GG	1940472296
SNP_P1_211140_14906	NW_004516236.1	Scaffold877	14906	TT	AA	1940472297
SNP_P1_211141_14908	NW_004516236.1	Scaffold877	14908	TT	AA	1940472298
SNP_P1_211143_16395	NW_004516236.1	Scaffold877	16395	GG	CC	1940472299
SNP_P1_211144_16839	NW_004516236.1	Scaffold877	16839	TT	GG	1940472300
SNP_P1_211145_16884	NW_004516236.1	Scaffold877	16884	AA	GG	1940472301
SNP_P1_211146_16941	NW_004516236.1	Scaffold877	16941	GG	AA	1940472302
SNP_P1_211147_17098	NW_004516236.1	Scaffold877	17098	AA	TT	1940472303
SNP_P1_211148_17167	NW_004516236.1	Scaffold877	17167	GG	AA	1940472304
SNP_P1_211149_17189	NW_004516236.1	Scaffold877	17189	AA	TT	1940472305
SNP_P1_211150_17392	NW_004516236.1	Scaffold877	17392	AA	GG	1940472306
SNP_P1_211151_17525	NW_004516236.1	Scaffold877	17525	AA	CC	1940472307
SNP_P1_211152_7719	NW_004516237.1	Scaffold878	7719	TT	AA	1940472308
SNP_P1_211153_13424	NW_004516237.1	Scaffold878	13424	GG	AA	1940472309
SNP_P1_211154_13813	NW_004516237.1	Scaffold878	13813	CC	TT	1940472310
SNP_P1_211155_14119	NW_004516237.1	Scaffold878	14119	AA	GG	1940472311
SNP_P1_211156_14212	NW_004516237.1	Scaffold878	14212	TT	CC	1940472312
SNP_P1_211157_14214	NW_004516237.1	Scaffold878	14214	GG	TT	1940472313
SNP_P1_211158_25208	NW_004516237.1	Scaffold878	25208	AA	GG	1940472314
SNP_P1_211159_25236	NW_004516237.1	Scaffold878	25236	GG	AA	1940472315
SNP_P1_211160_25265	NW_004516237.1	Scaffold878	25265	GG	AA	1940472316
SNP_P1_211161_25466	NW_004516237.1	Scaffold878	25466	CC	TT	1940472317
SNP_P1_211162_25822	NW_004516237.1	Scaffold878	25822	TT	CC	1940472318
SNP_P1_211163_43087	NW_004516237.1	Scaffold878	43087	CC	AA	1940472319
SNP_P1_211164_43135	NW_004516237.1	Scaffold878	43135	AA	TT	1940472320
SNP_P1_211165_43383	NW_004516237.1	Scaffold878	43383	TT	GG	1940472321
SNP_P1_211166_43519	NW_004516237.1	Scaffold878	43519	TT	CC	1940472323
SNP_P1_211167_43530	NW_004516237.1	Scaffold878	43530	AA	GG	1940472324
SNP_P1_211168_43555	NW_004516237.1	Scaffold878	43555	CC	GG	1940472325
SNP_P1_211169_43561	NW_004516237.1	Scaffold878	43561	AA	GG	1940472326
SNP_P1_211170_43564	NW_004516237.1	Scaffold878	43564	TT	AA	1940472327
SNP_P1_211171_47525	NW_004516237.1	Scaffold878	47525	GG	AA	1940472328
SNP_P1_211172_66491	NW_004516237.1	Scaffold878	66491	CC	TT	1940472329

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211174_74967	NW_004516237.1	Scaffold878	74967	CC	TT	1940472331
SNP_P1_211175_74970	NW_004516237.1	Scaffold878	74970	TT	AA	1940472332
SNP_P1_211176_75018	NW_004516237.1	Scaffold878	75018	GG	AA	1940472333
SNP_P1_211177_75028	NW_004516237.1	Scaffold878	75028	TT	CC	1940472334
SNP_P1_211178_75052	NW_004516237.1	Scaffold878	75052	CC	GG	1940472335
SNP_P1_211179_75063	NW_004516237.1	Scaffold878	75063	CC	TT	1940472336
SNP_P1_211180_75076	NW_004516237.1	Scaffold878	75076	AA	GG	1940472337
SNP_P1_211181_75281	NW_004516237.1	Scaffold878	75281	AA	GG	1940472338
SNP_P1_211182_75337	NW_004516237.1	Scaffold878	75337	CC	TT	1940472339
SNP_P1_211183_75364	NW_004516237.1	Scaffold878	75364	GG	AA	1940472340
SNP_P1_211184_76018	NW_004516237.1	Scaffold878	76018	AA	CC	1940472341
SNP_P1_211185_79135	NW_004516237.1	Scaffold878	79135	AA	GG	1940472342
SNP_P1_211186_82782	NW_004516237.1	Scaffold878	82782	TT	AA	1940472343
SNP_P1_211187_83878	NW_004516237.1	Scaffold878	83878	CC	AA	1940472344
SNP_P1_211188_90512	NW_004516237.1	Scaffold878	90512	GG	AA	1940472345
SNP_P1_211189_93522	NW_004516237.1	Scaffold878	93522	AA	GG	1940472346
SNP_P1_211190_118300	NW_004516237.1	Scaffold878	118300	GG	AA	1940472347
SNP_P1_211191_118340	NW_004516237.1	Scaffold878	118340	CC	TT	1940472348
SNP_P1_211192_118565	NW_004516237.1	Scaffold878	118565	AA	GG	1940472349
SNP_P1_211193_118604	NW_004516237.1	Scaffold878	118604	CC	TT	1940472350
SNP_P1_211194_118608	NW_004516237.1	Scaffold878	118608	CC	AA	1940472351
SNP_P1_211195_118682	NW_004516237.1	Scaffold878	118682	CC	TT	1940472352
SNP_P1_211196_118833	NW_004516237.1	Scaffold878	118833	GG	AA	1940472353
SNP_P1_211197_118839	NW_004516237.1	Scaffold878	118839	TT	CC	1940472354
SNP_P1_211198_118846	NW_004516237.1	Scaffold878	118846	AA	GG	1940472355
SNP_P1_211199_118897	NW_004516237.1	Scaffold878	118897	CC	AA	1940472356
SNP_P1_211200_118957	NW_004516237.1	Scaffold878	118957	AA	TT	1940472357
SNP_P1_211201_119045	NW_004516237.1	Scaffold878	119045	GG	TT	1940472358
SNP_P1_211202_119113	NW_004516237.1	Scaffold878	119113	TT	CC	1940472359
SNP_P1_211203_119168	NW_004516237.1	Scaffold878	119168	GG	AA	1940472360
SNP_P1_211204_119265	NW_004516237.1	Scaffold878	119265	AA	GG	1940472361
SNP_P1_211205_119267	NW_004516237.1	Scaffold878	119267	AA	TT	1940472362
SNP_P1_211207_121482	NW_004516237.1	Scaffold878	121482	TT	CC	1940472363
SNP_P1_211208_503	NW_004516239.1	Scaffold882	503	AA	GG	1940472364
SNP_P1_211209_5351	NW_004516239.1	Scaffold882	5351	GG	AA	1940472365
SNP_P1_211210_5362	NW_004516239.1	Scaffold882	5362	AA	GG	1940472366
SNP_P1_211211_8309	NW_004516239.1	Scaffold882	8309	TT	CC	1940472367
SNP_P1_211212_8648	NW_004516239.1	Scaffold882	8648	AA	GG	1940472368
SNP_P1_211213_8663	NW_004516239.1	Scaffold882	8663	TT	CC	1940472369
SNP_P1_211214_8692	NW_004516239.1	Scaffold882	8692	CC	AA	1940472370
SNP_P1_211215_8714	NW_004516239.1	Scaffold882	8714	GG	TT	1940472371

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211217_10444	NW_004516239.1	Scaffold882	10444	TT	GG	1940472373
SNP_P1_211218_39640	NW_004516239.1	Scaffold882	39640	TT	AA	1940472374
SNP_P1_211219_39675	NW_004516239.1	Scaffold882	39675	CC	TT	1940472375
SNP_P1_211220_40064	NW_004516239.1	Scaffold882	40064	AA	GG	1940472376
SNP_P1_211221_40072	NW_004516239.1	Scaffold882	40072	AA	TT	1940472377
SNP_P1_211222_40930	NW_004516239.1	Scaffold882	40930	TT	CC	1940472378
SNP_P1_211223_41629	NW_004516239.1	Scaffold882	41629	AA	CC	1940472379
SNP_P1_211224_42981	NW_004516239.1	Scaffold882	42981	AA	GG	1940472380
SNP_P1_211225_48720	NW_004516239.1	Scaffold882	48720	GG	AA	1940472381
SNP_P1_211226_65982	NW_004516239.1	Scaffold882	65982	CC	TT	1940472382
SNP_P1_211227_66143	NW_004516239.1	Scaffold882	66143	AA	GG	1940472383
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SNP_P1_211230_70602	NW_004516239.1	Scaffold882	70602	CC	TT	1940472385
SNP_P1_211231_70616	NW_004516239.1	Scaffold882	70616	TT	CC	1940472386
SNP_P1_211232_70645	NW_004516239.1	Scaffold882	70645	CC	AA	1940472387
SNP_P1_211233_70652	NW_004516239.1	Scaffold882	70652	CC	TT	1940472388
SNP_P1_211234_70660	NW_004516239.1	Scaffold882	70660	CC	AA	1940472389
SNP_P1_211235_70663	NW_004516239.1	Scaffold882	70663	TT	CC	1940472390
SNP_P1_211236_81077	NW_004516239.1	Scaffold882	81077	TT	AA	1940472391
SNP_P1_211237_81254	NW_004516239.1	Scaffold882	81254	CC	AA	1940472392
SNP_P1_211239_100388	NW_004516239.1	Scaffold882	100388	GG	AA	1940472393
SNP_P1_211240_100415	NW_004516239.1	Scaffold882	100415	CC	TT	1940472394
SNP_P1_211241_100422	NW_004516239.1	Scaffold882	100422	AA	CC	1940472395
SNP_P1_211242_100486	NW_004516239.1	Scaffold882	100486	CC	TT	1940472396
SNP_P1_211243_100551	NW_004516239.1	Scaffold882	100551	TT	CC	1940472397
SNP_P1_211244_100555	NW_004516239.1	Scaffold882	100555	AA	TT	1940472398
SNP_P1_211245_100823	NW_004516239.1	Scaffold882	100823	GG	AA	1940472399
SNP_P1_211246_100833	NW_004516239.1	Scaffold882	100833	CC	TT	1940472400
SNP_P1_211247_100873	NW_004516239.1	Scaffold882	100873	TT	CC	1940472401
SNP_P1_211248_156922	NW_004516239.1	Scaffold882	156922	AA	GG	1940472402
SNP_P1_211249_165592	NW_004516239.1	Scaffold882	165592	GG	TT	1940472403
SNP_P1_211250_171848	NW_004516239.1	Scaffold882	171848	GG	AA	1940472404
SNP_P1_211251_213836	NW_004516239.1	Scaffold882	213836	CC	GG	1940472405
SNP_P1_211252_224158	NW_004516239.1	Scaffold882	224158	CC	TT	1940472406
SNP_P1_211253_238939	NW_004516239.1	Scaffold882	238939	GG	AA	1940472407
SNP_P1_211254_239574	NW_004516239.1	Scaffold882	239574	GG	AA	1940472408
SNP_P1_211255_252348	NW_004516239.1	Scaffold882	252348	AA	TT	1940472409
SNP_P1_211256_254937	NW_004516239.1	Scaffold882	254937	CC	TT	1940472410
SNP_P1_211257_266278	NW_004516239.1	Scaffold882	266278	AA	CC	1940472411
SNP_P1_211258_266509	NW_004516239.1	Scaffold882	266509	TT	CC	1940472412
SNP_P1_211259_300172	NW_004516239.1	Scaffold882	300172	CC	GG	1940472413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211262_315280	NW_004516239.1	Scaffold882	315280	GG	AA	1940472415
SNP_P1_211265_347238	NW_004516239.1	Scaffold882	347238	GG	CC	1940472416
SNP_P1_211266_347249	NW_004516239.1	Scaffold882	347249	TT	GG	1940472417
SNP_P1_211267_347290	NW_004516239.1	Scaffold882	347290	AA	TT	1940472418
SNP_P1_211268_347413	NW_004516239.1	Scaffold882	347413	CC	TT	1940472419
SNP_P1_211269_347537	NW_004516239.1	Scaffold882	347537	CC	TT	1940472420
SNP_P1_211270_347595	NW_004516239.1	Scaffold882	347595	CC	TT	1940472421
SNP_P1_211271_347713	NW_004516239.1	Scaffold882	347713	TT	CC	1940472422
SNP_P1_211272_347747	NW_004516239.1	Scaffold882	347747	TT	CC	1940472423
SNP_P1_211273_352835	NW_004516239.1	Scaffold882	352835	AA	GG	1940472424
SNP_P1_211275_365445	NW_004516239.1	Scaffold882	365445	AA	GG	1940472425
SNP_P1_211276_379515	NW_004516239.1	Scaffold882	379515	AA	GG	1940472426
SNP_P1_211277_383971	NW_004516239.1	Scaffold882	383971	GG	AA	1940472427
SNP_P1_211278_389470	NW_004516239.1	Scaffold882	389470	AA	GG	1940472428
SNP_P1_211279_389477	NW_004516239.1	Scaffold882	389477	GG	TT	1940472429
SNP_P1_211280_389483	NW_004516239.1	Scaffold882	389483	AA	GG	1940472430
SNP_P1_211281_389491	NW_004516239.1	Scaffold882	389491	TT	CC	1940472431
SNP_P1_211282_389521	NW_004516239.1	Scaffold882	389521	CC	TT	1940472432
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SNP_P1_211294_430701	NW_004516239.1	Scaffold882	430701	CC	GG	1940472444
SNP_P1_211295_431694	NW_004516239.1	Scaffold882	431694	CC	GG	1940472445
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SNP_P1_211298_432229	NW_004516239.1	Scaffold882	432229	GG	TT	1940472448
SNP_P1_211299_434547	NW_004516239.1	Scaffold882	434547	TT	GG	1940472449
SNP_P1_211300_435782	NW_004516239.1	Scaffold882	435782	CC	TT	1940472450
SNP_P1_211301_436494	NW_004516239.1	Scaffold882	436494	GG	CC	1940472451
SNP_P1_211302_436497	NW_004516239.1	Scaffold882	436497	AA	GG	1940472452
SNP_P1_211304_437604	NW_004516239.1	Scaffold882	437604	CC	TT	1940472453
SNP_P1_211305_438431	NW_004516239.1	Scaffold882	438431	CC	TT	1940472454
SNP_P1_211306_438647	NW_004516239.1	Scaffold882	438647	TT	CC	1940472455

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211311_447202	NW_004516239.1	Scaffold882	447202	AA	TT	1940472458
SNP_P1_211312_447929	NW_004516239.1	Scaffold882	447929	GG	TT	1940472459
SNP_P1_211313_448346	NW_004516239.1	Scaffold882	448346	GG	TT	1940472460
SNP_P1_211314_448717	NW_004516239.1	Scaffold882	448717	GG	AA	1940472461
SNP_P1_211315_450561	NW_004516239.1	Scaffold882	450561	AA	GG	1940472462
SNP_P1_211316_452334	NW_004516239.1	Scaffold882	452334	TT	AA	1940472463
SNP_P1_211317_477879	NW_004516239.1	Scaffold882	477879	GG	AA	1940472465
SNP_P1_211318_477904	NW_004516239.1	Scaffold882	477904	TT	CC	1940472466
SNP_P1_211321_513612	NW_004516239.1	Scaffold882	513612	GG	TT	1940472467
SNP_P1_211322_513700	NW_004516239.1	Scaffold882	513700	GG	AA	1940472468
SNP_P1_211323_517441	NW_004516239.1	Scaffold882	517441	TT	CC	1940472469
SNP_P1_211324_517442	NW_004516239.1	Scaffold882	517442	AA	CC	1940472470
SNP_P1_211325_517453	NW_004516239.1	Scaffold882	517453	GG	TT	1940472471
SNP_P1_211326_517456	NW_004516239.1	Scaffold882	517456	TT	AA	1940472472
SNP_P1_211327_517701	NW_004516239.1	Scaffold882	517701	GG	AA	1940472473
SNP_P1_211328_519495	NW_004516239.1	Scaffold882	519495	TT	AA	1940472474
SNP_P1_211329_519507	NW_004516239.1	Scaffold882	519507	AA	GG	1940472475
SNP_P1_211330_519509	NW_004516239.1	Scaffold882	519509	AA	GG	1940472476
SNP_P1_211331_522179	NW_004516239.1	Scaffold882	522179	AA	GG	1940472477
SNP_P1_211332_523007	NW_004516239.1	Scaffold882	523007	CC	TT	1940472478
SNP_P1_211333_523061	NW_004516239.1	Scaffold882	523061	GG	AA	1940472479
SNP_P1_211334_523371	NW_004516239.1	Scaffold882	523371	AA	GG	1940472480
SNP_P1_211335_523449	NW_004516239.1	Scaffold882	523449	TT	CC	1940472481
SNP_P1_211336_523478	NW_004516239.1	Scaffold882	523478	AA	GG	1940472482
SNP_P1_211337_523493	NW_004516239.1	Scaffold882	523493	AA	GG	1940472483
SNP_P1_211338_523500	NW_004516239.1	Scaffold882	523500	AA	GG	1940472484
SNP_P1_211339_523532	NW_004516239.1	Scaffold882	523532	AA	GG	1940472485
SNP_P1_211340_526163	NW_004516239.1	Scaffold882	526163	AA	CC	1940472486
SNP_P1_211341_526173	NW_004516239.1	Scaffold882	526173	CC	TT	1940472487
SNP_P1_211342_532691	NW_004516239.1	Scaffold882	532691	TT	GG	1940472488
SNP_P1_211343_532692	NW_004516239.1	Scaffold882	532692	AA	GG	1940472489
SNP_P1_211344_532702	NW_004516239.1	Scaffold882	532702	CC	GG	1940472490
SNP_P1_211345_540960	NW_004516239.1	Scaffold882	540960	CC	AA	1940472491
SNP_P1_211346_540962	NW_004516239.1	Scaffold882	540962	CC	AA	1940472492
SNP_P1_211347_563626	NW_004516239.1	Scaffold882	563626	GG	AA	1940472493
SNP_P1_211348_567597	NW_004516239.1	Scaffold882	567597	GG	AA	1940472494
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SNP_P1_211350_577299	NW_004516239.1	Scaffold882	577299	TT	AA	1940472496
SNP_P1_211351_578133	NW_004516239.1	Scaffold882	578133	CC	TT	1940472497
SNP_P1_211352_583185	NW_004516239.1	Scaffold882	583185	TT	CC	1940472498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211354_583837	NW_004516239.1	Scaffold882	583837	GG	AA	1940472500
SNP_P1_211355_584580	NW_004516239.1	Scaffold882	584580	GG	CC	1940472501
SNP_P1_211356_584586	NW_004516239.1	Scaffold882	584586	TT	CC	1940472502
SNP_P1_211357_584604	NW_004516239.1	Scaffold882	584604	AA	GG	1940472503
SNP_P1_211358_585117	NW_004516239.1	Scaffold882	585117	AA	GG	1940472504
SNP_P1_211359_588276	NW_004516239.1	Scaffold882	588276	GG	TT	1940472505
SNP_P1_211360_607325	NW_004516239.1	Scaffold882	607325	AA	GG	1940472506
SNP_P1_211361_607345	NW_004516239.1	Scaffold882	607345	TT	CC	1940472507
SNP_P1_211362_607467	NW_004516239.1	Scaffold882	607467	AA	GG	1940472508
SNP_P1_211363_607494	NW_004516239.1	Scaffold882	607494	CC	TT	1940472509
SNP_P1_211364_607506	NW_004516239.1	Scaffold882	607506	TT	CC	1940472510
SNP_P1_211365_607533	NW_004516239.1	Scaffold882	607533	AA	GG	1940472511
SNP_P1_211366_607562	NW_004516239.1	Scaffold882	607562	TT	CC	1940472512
SNP_P1_211367_607680	NW_004516239.1	Scaffold882	607680	GG	TT	1940472513
SNP_P1_211368_607734	NW_004516239.1	Scaffold882	607734	TT	CC	1940472514
SNP_P1_211369_607740	NW_004516239.1	Scaffold882	607740	TT	CC	1940472515
SNP_P1_211370_607762	NW_004516239.1	Scaffold882	607762	TT	GG	1940472516
SNP_P1_211371_607783	NW_004516239.1	Scaffold882	607783	TT	CC	1940472517
SNP_P1_211372_607789	NW_004516239.1	Scaffold882	607789	AA	GG	1940472518
SNP_P1_211373_607888	NW_004516239.1	Scaffold882	607888	TT	GG	1940472519
SNP_P1_211374_608868	NW_004516239.1	Scaffold882	608868	CC	TT	1940472520
SNP_P1_211375_608874	NW_004516239.1	Scaffold882	608874	GG	AA	1940472521
SNP_P1_211376_608904	NW_004516239.1	Scaffold882	608904	CC	TT	1940472522
SNP_P1_211377_608912	NW_004516239.1	Scaffold882	608912	TT	CC	1940472523
SNP_P1_211379_617718	NW_004516239.1	Scaffold882	617718	TT	CC	1940472524
SNP_P1_211381_619604	NW_004516239.1	Scaffold882	619604	AA	GG	1940472525
SNP_P1_211382_621363	NW_004516239.1	Scaffold882	621363	GG	TT	1940472526
SNP_P1_211383_621366	NW_004516239.1	Scaffold882	621366	TT	CC	1940472527
SNP_P1_211384_639149	NW_004516239.1	Scaffold882	639149	CC	AA	1940472528
SNP_P1_211386_4264	NW_004516241.1	Scaffold884	4264	AA	GG	1940472529
SNP_P1_211387_12216	NW_004516241.1	Scaffold884	12216	AA	CC	1940472530
SNP_P1_211388_25244	NW_004516241.1	Scaffold884	25244	AA	TT	1940472531
SNP_P1_211389_26289	NW_004516241.1	Scaffold884	26289	TT	CC	1940472532
SNP_P1_211390_32835	NW_004516241.1	Scaffold884	32835	GG	AA	1940472533
SNP_P1_211391_34498	NW_004516241.1	Scaffold884	34498	TT	AA	1940472534
SNP_P1_211392_42800	NW_004516241.1	Scaffold884	42800	GG	AA	1940472535
SNP_P1_211393_42848	NW_004516241.1	Scaffold884	42848	GG	AA	1940472536
SNP_P1_211394_42931	NW_004516241.1	Scaffold884	42931	TT	GG	1940472537
SNP_P1_211395_42932	NW_004516241.1	Scaffold884	42932	TT	GG	1940472538
SNP_P1_211396_52525	NW_004516241.1	Scaffold884	52525	TT	GG	1940472539
SNP_P1_211397_61056	NW_004516241.1	Scaffold884	61056	CC	GG	1940472540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211399_68779	NW_004516241.1	Scaffold884	68779	TT	CC	1940472542
SNP_P1_211400_74590	NW_004516241.1	Scaffold884	74590	AA	GG	1940472543
SNP_P1_211401_77776	NW_004516241.1	Scaffold884	77776	AA	TT	1940472544
SNP_P1_211402_82938	NW_004516241.1	Scaffold884	82938	CC	TT	1940472545
SNP_P1_211403_97239	NW_004516241.1	Scaffold884	97239	GG	AA	1940472546
SNP_P1_211404_103230	NW_004516241.1	Scaffold884	103230	TT	AA	1940472547
SNP_P1_211405_106068	NW_004516241.1	Scaffold884	106068	TT	AA	1940472548
SNP_P1_211406_119770	NW_004516241.1	Scaffold884	119770	CC	TT	1940472549
SNP_P1_211407_135329	NW_004516241.1	Scaffold884	135329	GG	AA	1940472550
SNP_P1_211409_157592	NW_004516241.1	Scaffold884	157592	TT	CC	1940472551
SNP_P1_211410_157815	NW_004516241.1	Scaffold884	157815	AA	CC	1940472552
SNP_P1_211411_456	NW_004516242.1	Scaffold886	456	AA	GG	1940472553
SNP_P1_211412_474	NW_004516242.1	Scaffold886	474	GG	TT	1940472554
SNP_P1_211413_487	NW_004516242.1	Scaffold886	487	CC	TT	1940472555
SNP_P1_211414_714	NW_004516242.1	Scaffold886	714	AA	TT	1940472556
SNP_P1_211415_27737	NW_004516242.1	Scaffold886	27737	TT	CC	1940472557
SNP_P1_211416_29854	NW_004516242.1	Scaffold886	29854	AA	TT	1940472558
SNP_P1_211417_42426	NW_004516242.1	Scaffold886	42426	AA	GG	1940472559
SNP_P1_211418_43310	NW_004516242.1	Scaffold886	43310	AA	TT	1940472560
SNP_P1_211419_50791	NW_004516242.1	Scaffold886	50791	TT	CC	1940472561
SNP_P1_211421_57163	NW_004516242.1	Scaffold886	57163	CC	AA	1940472562
SNP_P1_211422_57174	NW_004516242.1	Scaffold886	57174	GG	TT	1940472563
SNP_P1_211423_57179	NW_004516242.1	Scaffold886	57179	GG	AA	1940472564
SNP_P1_211424_103250	NW_004516242.1	Scaffold886	103250	GG	TT	1940472565
SNP_P1_211425_103252	NW_004516242.1	Scaffold886	103252	TT	AA	1940472566
SNP_P1_211426_104075	NW_004516242.1	Scaffold886	104075	AA	GG	1940472567
SNP_P1_211428_117636	NW_004516242.1	Scaffold886	117636	GG	AA	1940472568
SNP_P1_211429_133377	NW_004516242.1	Scaffold886	133377	TT	CC	1940472569
SNP_P1_211430_135468	NW_004516242.1	Scaffold886	135468	CC	TT	1940472570
SNP_P1_211431_140671	NW_004516242.1	Scaffold886	140671	AA	GG	1940472571
SNP_P1_211432_140687	NW_004516242.1	Scaffold886	140687	GG	AA	1940472572
SNP_P1_211433_150759	NW_004516242.1	Scaffold886	150759	AA	GG	1940472573
SNP_P1_211434_151120	NW_004516242.1	Scaffold886	151120	AA	CC	1940472574
SNP_P1_211435_151209	NW_004516242.1	Scaffold886	151209	GG	AA	1940472575
SNP_P1_211437_151317	NW_004516242.1	Scaffold886	151317	TT	GG	1940472576
SNP_P1_211438_151384	NW_004516242.1	Scaffold886	151384	TT	CC	1940472577
SNP_P1_211439_151410	NW_004516242.1	Scaffold886	151410	CC	AA	1940472578
SNP_P1_211441_151479	NW_004516242.1	Scaffold886	151479	TT	GG	1940472579
SNP_P1_211442_151519	NW_004516242.1	Scaffold886	151519	CC	TT	1940472580
SNP_P1_211443_151520	NW_004516242.1	Scaffold886	151520	AA	GG	1940472581
SNP_P1_211444_151532	NW_004516242.1	Scaffold886	151532	CC	TT	1940472582

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211446_151652	NW_004516242.1	Scaffold886	151652	AA	TT	1940472584
SNP_P1_211447_151673	NW_004516242.1	Scaffold886	151673	CC	AA	1940472585
SNP_P1_211448_153081	NW_004516242.1	Scaffold886	153081	GG	AA	1940472586
SNP_P1_211449_153201	NW_004516242.1	Scaffold886	153201	GG	AA	1940472587
SNP_P1_211450_153205	NW_004516242.1	Scaffold886	153205	CC	TT	1940472588
SNP_P1_211451_153550	NW_004516242.1	Scaffold886	153550	CC	AA	1940472589
SNP_P1_211452_153616	NW_004516242.1	Scaffold886	153616	CC	AA	1940472590
SNP_P1_211453_154414	NW_004516242.1	Scaffold886	154414	CC	TT	1940472591
SNP_P1_211454_154459	NW_004516242.1	Scaffold886	154459	TT	GG	1940472592
SNP_P1_211455_154467	NW_004516242.1	Scaffold886	154467	CC	AA	1940472593
SNP_P1_211456_154475	NW_004516242.1	Scaffold886	154475	AA	TT	1940472594
SNP_P1_211457_154541	NW_004516242.1	Scaffold886	154541	CC	GG	1940472595
SNP_P1_211458_154569	NW_004516242.1	Scaffold886	154569	TT	GG	1940472596
SNP_P1_211459_154582	NW_004516242.1	Scaffold886	154582	AA	TT	1940472597
SNP_P1_211460_154725	NW_004516242.1	Scaffold886	154725	CC	AA	1940472598
SNP_P1_211461_154738	NW_004516242.1	Scaffold886	154738	CC	TT	1940472599
SNP_P1_211462_154752	NW_004516242.1	Scaffold886	154752	CC	TT	1940472600
SNP_P1_211463_154756	NW_004516242.1	Scaffold886	154756	AA	CC	1940472601
SNP_P1_211464_154777	NW_004516242.1	Scaffold886	154777	TT	CC	1940472602
SNP_P1_211465_154781	NW_004516242.1	Scaffold886	154781	TT	AA	1940472603
SNP_P1_211466_154789	NW_004516242.1	Scaffold886	154789	AA	TT	1940472604
SNP_P1_211467_154793	NW_004516242.1	Scaffold886	154793	CC	AA	1940472605
SNP_P1_211468_154829	NW_004516242.1	Scaffold886	154829	GG	TT	1940472606
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SNP_P1_211470_154915	NW_004516242.1	Scaffold886	154915	GG	TT	1940472608
SNP_P1_211471_154942	NW_004516242.1	Scaffold886	154942	AA	GG	1940472609
SNP_P1_211472_160581	NW_004516242.1	Scaffold886	160581	TT	CC	1940472610
SNP_P1_211473_160641	NW_004516242.1	Scaffold886	160641	TT	AA	1940472611
SNP_P1_211474_160851	NW_004516242.1	Scaffold886	160851	CC	TT	1940472612
SNP_P1_211475_160988	NW_004516242.1	Scaffold886	160988	TT	GG	1940472613
SNP_P1_211476_160999	NW_004516242.1	Scaffold886	160999	CC	TT	1940472614
SNP_P1_211477_161031	NW_004516242.1	Scaffold886	161031	CC	GG	1940472615
SNP_P1_211478_161210	NW_004516242.1	Scaffold886	161210	GG	AA	1940472616
SNP_P1_211480_161401	NW_004516242.1	Scaffold886	161401	TT	CC	1940472617
SNP_P1_211481_164430	NW_004516242.1	Scaffold886	164430	AA	CC	1940472618
SNP_P1_211482_164706	NW_004516242.1	Scaffold886	164706	TT	CC	1940472619
SNP_P1_211483_164708	NW_004516242.1	Scaffold886	164708	CC	TT	1940472620
SNP_P1_211484_164746	NW_004516242.1	Scaffold886	164746	AA	TT	1940472621
SNP_P1_211485_164884	NW_004516242.1	Scaffold886	164884	AA	GG	1940472622
SNP_P1_211486_164898	NW_004516242.1	Scaffold886	164898	TT	CC	1940472623
SNP_P1_211488_165030	NW_004516242.1	Scaffold886	165030	GG	AA	1940472624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211491_165126	NW_004516242.1	Scaffold886	165126	AA	CC	1940472628
SNP_P1_211493_166675	NW_004516242.1	Scaffold886	166675	GG	AA	1940472629
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SNP_P1_211498_171232	NW_004516242.1	Scaffold886	171232	TT	GG	1940472634
SNP_P1_211499_171284	NW_004516242.1	Scaffold886	171284	TT	CC	1940472635
SNP_P1_211500_171292	NW_004516242.1	Scaffold886	171292	AA	TT	1940472636
SNP_P1_211501_171293	NW_004516242.1	Scaffold886	171293	TT	AA	1940472637
SNP_P1_211502_171461	NW_004516242.1	Scaffold886	171461	TT	CC	1940472638
SNP_P1_211504_171513	NW_004516242.1	Scaffold886	171513	CC	GG	1940472639
SNP_P1_211505_171524	NW_004516242.1	Scaffold886	171524	TT	AA	1940472640
SNP_P1_211506_171537	NW_004516242.1	Scaffold886	171537	AA	CC	1940472641
SNP_P1_211507_171553	NW_004516242.1	Scaffold886	171553	CC	TT	1940472642
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SNP_P1_211522_69923	NW_004516243.1	Scaffold887_1	69923	TT	CC	1940472655
SNP_P1_211523_69924	NW_004516243.1	Scaffold887_1	69924	CC	TT	1940472656
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SNP_P1_211526_70033	NW_004516243.1	Scaffold887_1	70033	AA	GG	1940472659
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SNP_P1_211528_70102	NW_004516243.1	Scaffold887_1	70102	AA	GG	1940472661
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SNP_P1_211531_70161	NW_004516243.1	Scaffold887_1	70161	GG	AA	1940472664
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SNP_P1_211533_70184	NW_004516243.1	Scaffold887_1	70184	AA	CC	1940472666
SNP_P1_211534_70214	NW_004516243.1	Scaffold887_1	70214	AA	GG	1940472667

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211538_94206	NW_004516243.1	Scaffold887_1	94206	TT	CC	1940472671
SNP_P1_211540_100616	NW_004516243.1	Scaffold887_1	100616	CC	TT	1940472672
SNP_P1_211541_106425	NW_004516243.1	Scaffold887_1	106425	GG	TT	1940472673
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SNP_P1_211543_133447	NW_004516243.1	Scaffold887_1	133447	AA	GG	1940472675
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SNP_P1_211545_133467	NW_004516243.1	Scaffold887_1	133467	GG	TT	1940472677
SNP_P1_211546_133952	NW_004516243.1	Scaffold887_1	133952	TT	AA	1940472678
SNP_P1_211549_163665	NW_004516243.1	Scaffold887_1	163665	AA	GG	1940472679
SNP_P1_211552_200800	NW_004516243.1	Scaffold887_1	200800	AA	GG	1940472680
SNP_P1_211553_200911	NW_004516243.1	Scaffold887_1	200911	TT	GG	1940472681
SNP_P1_211554_200956	NW_004516243.1	Scaffold887_1	200956	CC	GG	1940472682
SNP_P1_211555_200985	NW_004516243.1	Scaffold887_1	200985	AA	CC	1940472683
SNP_P1_211556_200994	NW_004516243.1	Scaffold887_1	200994	CC	TT	1940472684
SNP_P1_211557_200996	NW_004516243.1	Scaffold887_1	200996	AA	GG	1940472685
SNP_P1_211559_201178	NW_004516243.1	Scaffold887_1	201178	AA	GG	1940472686
SNP_P1_211560_201187	NW_004516243.1	Scaffold887_1	201187	TT	CC	1940472687
SNP_P1_211562_201440	NW_004516243.1	Scaffold887_1	201440	AA	CC	1940472688
SNP_P1_211563_206722	NW_004516243.1	Scaffold887_1	206722	GG	AA	1940472689
SNP_P1_211564_208139	NW_004516243.1	Scaffold887_1	208139	AA	TT	1940472690
SNP_P1_211565_208144	NW_004516243.1	Scaffold887_1	208144	TT	AA	1940472691
SNP_P1_211566_208145	NW_004516243.1	Scaffold887_1	208145	TT	CC	1940472692
SNP_P1_211567_208146	NW_004516243.1	Scaffold887_1	208146	TT	AA	1940472693
SNP_P1_211568_208299	NW_004516243.1	Scaffold887_1	208299	AA	GG	1940472694
SNP_P1_211569_208480	NW_004516243.1	Scaffold887_1	208480	AA	GG	1940472695
SNP_P1_211570_208572	NW_004516243.1	Scaffold887_1	208572	GG	AA	1940472696
SNP_P1_211573_231284	NW_004516243.1	Scaffold887_1	231284	TT	CC	1940472697
SNP_P1_211574_244204	NW_004516243.1	Scaffold887_1	244204	TT	CC	1940472698
SNP_P1_211575_246200	NW_004516243.1	Scaffold887_1	246200	AA	GG	1940472699
SNP_P1_211576_247322	NW_004516243.1	Scaffold887_1	247322	TT	CC	1940472700
SNP_P1_211577_247358	NW_004516243.1	Scaffold887_1	247358	AA	GG	1940472701
SNP_P1_211578_250689	NW_004516243.1	Scaffold887_1	250689	AA	GG	1940472702
SNP_P1_211579_250701	NW_004516243.1	Scaffold887_1	250701	GG	AA	1940472703
SNP_P1_211580_258271	NW_004516243.1	Scaffold887_1	258271	CC	AA	1940472704
SNP_P1_211581_258282	NW_004516243.1	Scaffold887_1	258282	AA	GG	1940472705
SNP_P1_211582_258472	NW_004516243.1	Scaffold887_1	258472	CC	TT	1940472706
SNP_P1_211583_258541	NW_004516243.1	Scaffold887_1	258541	GG	CC	1940472707
SNP_P1_211584_258546	NW_004516243.1	Scaffold887_1	258546	CC	AA	1940472708
SNP_P1_211585_258571	NW_004516243.1	Scaffold887_1	258571	TT	CC	1940472709

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211587_258715	NW_004516243.1	Scaffold887_1	258715	GG	TT	1940472711
SNP_P1_211588_258755	NW_004516243.1	Scaffold887_1	258755	CC	AA	1940472712
SNP_P1_211589_258784	NW_004516243.1	Scaffold887_1	258784	AA	TT	1940472713
SNP_P1_211590_64	NW_004516245.1	Scaffold890	64	AA	CC	1940472714
SNP_P1_211591_65	NW_004516245.1	Scaffold890	65	AA	GG	1940472715
SNP_P1_211592_266	NW_004516245.1	Scaffold890	266	GG	CC	1940472716
SNP_P1_211593_308	NW_004516245.1	Scaffold890	308	GG	AA	1940472717
SNP_P1_211595_414	NW_004516245.1	Scaffold890	414	CC	TT	1940472718
SNP_P1_211596_415	NW_004516245.1	Scaffold890	415	AA	GG	1940472719
SNP_P1_211597_430	NW_004516245.1	Scaffold890	430	AA	TT	1940472720
SNP_P1_211598_470	NW_004516245.1	Scaffold890	470	GG	AA	1940472721
SNP_P1_211599_482	NW_004516245.1	Scaffold890	482	AA	GG	1940472722
SNP_P1_211600_538	NW_004516245.1	Scaffold890	538	AA	TT	1940472723
SNP_P1_211601_546	NW_004516245.1	Scaffold890	546	TT	AA	1940472724
SNP_P1_211602_653	NW_004516245.1	Scaffold890	653	AA	CC	1940472725
SNP_P1_211603_705	NW_004516245.1	Scaffold890	705	AA	GG	1940472726
SNP_P1_211604_826	NW_004516245.1	Scaffold890	826	AA	TT	1940472727
SNP_P1_211605_872	NW_004516245.1	Scaffold890	872	GG	AA	1940472728
SNP_P1_211607_1326	NW_004516245.1	Scaffold890	1326	AA	TT	1940472729
SNP_P1_211608_1407	NW_004516245.1	Scaffold890	1407	CC	AA	1940472730
SNP_P1_211609_2628	NW_004516246.1	Scaffold891	2628	CC	TT	1940472731
SNP_P1_211611_25564	NW_004516246.1	Scaffold891	25564	TT	CC	1940472732
SNP_P1_211613_5788	NW_004516247.1	Scaffold892	5788	AA	TT	1940472733
SNP_P1_211614_5818	NW_004516247.1	Scaffold892	5818	GG	TT	1940472734
SNP_P1_211615_5911	NW_004516247.1	Scaffold892	5911	AA	CC	1940472735
SNP_P1_211616_6008	NW_004516247.1	Scaffold892	6008	CC	TT	1940472736
SNP_P1_211617_6325	NW_004516247.1	Scaffold892	6325	AA	TT	1940472737
SNP_P1_211618_6439	NW_004516247.1	Scaffold892	6439	GG	AA	1940472738
SNP_P1_211619_6559	NW_004516247.1	Scaffold892	6559	AA	GG	1940472739
SNP_P1_211620_24948	NW_004516247.1	Scaffold892	24948	GG	AA	1940472740
SNP_P1_211621_24982	NW_004516247.1	Scaffold892	24982	CC	TT	1940472741
SNP_P1_211622_24986	NW_004516247.1	Scaffold892	24986	GG	AA	1940472742
SNP_P1_211623_24991	NW_004516247.1	Scaffold892	24991	TT	AA	1940472743
SNP_P1_211624_25182	NW_004516247.1	Scaffold892	25182	TT	AA	1940472744
SNP_P1_211625_25207	NW_004516247.1	Scaffold892	25207	GG	AA	1940472745
SNP_P1_211626_25209	NW_004516247.1	Scaffold892	25209	TT	CC	1940472746
SNP_P1_211627_25260	NW_004516247.1	Scaffold892	25260	TT	GG	1940472747
SNP_P1_211628_25272	NW_004516247.1	Scaffold892	25272	AA	GG	1940472748
SNP_P1_211629_25325	NW_004516247.1	Scaffold892	25325	TT	CC	1940472749
SNP_P1_211631_26350	NW_004516247.1	Scaffold892	26350	TT	CC	1940472750
SNP_P1_211632_26357	NW_004516247.1	Scaffold892	26357	GG	CC	1940472751

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211634_26493	NW_004516247.1	Scaffold892	26493	AA	CC	1940472753
SNP_P1_211635_26500	NW_004516247.1	Scaffold892	26500	TT	AA	1940472754
SNP_P1_211637_26640	NW_004516247.1	Scaffold892	26640	CC	TT	1940472755
SNP_P1_211638_26678	NW_004516247.1	Scaffold892	26678	GG	TT	1940472756
SNP_P1_211639_26679	NW_004516247.1	Scaffold892	26679	AA	TT	1940472757
SNP_P1_211641_26725	NW_004516247.1	Scaffold892	26725	CC	AA	1940472758
SNP_P1_211642_26800	NW_004516247.1	Scaffold892	26800	TT	AA	1940472759
SNP_P1_211643_26856	NW_004516247.1	Scaffold892	26856	TT	GG	1940472760
SNP_P1_211644_26871	NW_004516247.1	Scaffold892	26871	TT	CC	1940472761
SNP_P1_211645_26890	NW_004516247.1	Scaffold892	26890	CC	TT	1940472762
SNP_P1_211646_26964	NW_004516247.1	Scaffold892	26964	CC	GG	1940472763
SNP_P1_211647_26975	NW_004516247.1	Scaffold892	26975	GG	AA	1940472764
SNP_P1_211648_27181	NW_004516247.1	Scaffold892	27181	TT	GG	1940472765
SNP_P1_211649_27270	NW_004516247.1	Scaffold892	27270	TT	CC	1940472766
SNP_P1_211650_27315	NW_004516247.1	Scaffold892	27315	TT	GG	1940472767
SNP_P1_211651_27376	NW_004516247.1	Scaffold892	27376	CC	TT	1940472768
SNP_P1_211652_27389	NW_004516247.1	Scaffold892	27389	TT	AA	1940472769
SNP_P1_211653_27431	NW_004516247.1	Scaffold892	27431	AA	CC	1940472770
SNP_P1_211654_27491	NW_004516247.1	Scaffold892	27491	CC	GG	1940472771
SNP_P1_211655_27603	NW_004516247.1	Scaffold892	27603	AA	TT	1940472772
SNP_P1_211656_27605	NW_004516247.1	Scaffold892	27605	CC	TT	1940472773
SNP_P1_211657_27680	NW_004516247.1	Scaffold892	27680	AA	GG	1940472774
SNP_P1_211658_27719	NW_004516247.1	Scaffold892	27719	AA	TT	1940472775
SNP_P1_211659_27980	NW_004516247.1	Scaffold892	27980	GG	TT	1940472776
SNP_P1_211660_28128	NW_004516247.1	Scaffold892	28128	GG	TT	1940472777
SNP_P1_211661_28212	NW_004516247.1	Scaffold892	28212	TT	AA	1940472778
SNP_P1_211662_28262	NW_004516247.1	Scaffold892	28262	TT	CC	1940472779
SNP_P1_211663_28419	NW_004516247.1	Scaffold892	28419	TT	CC	1940472780
SNP_P1_211664_28825	NW_004516247.1	Scaffold892	28825	AA	TT	1940472781
SNP_P1_211665_29316	NW_004516247.1	Scaffold892	29316	GG	TT	1940472782
SNP_P1_211666_29588	NW_004516247.1	Scaffold892	29588	CC	TT	1940472783
SNP_P1_211667_29661	NW_004516247.1	Scaffold892	29661	CC	AA	1940472784
SNP_P1_211669_29905	NW_004516247.1	Scaffold892	29905	TT	GG	1940472785
SNP_P1_211670_29952	NW_004516247.1	Scaffold892	29952	GG	AA	1940472787
SNP_P1_211671_30011	NW_004516247.1	Scaffold892	30011	GG	TT	1940472788
SNP_P1_211672_30022	NW_004516247.1	Scaffold892	30022	GG	AA	1940472789
SNP_P1_211673_30075	NW_004516247.1	Scaffold892	30075	AA	CC	1940472790
SNP_P1_211675_30254	NW_004516247.1	Scaffold892	30254	TT	AA	1940472791
SNP_P1_211676_30275	NW_004516247.1	Scaffold892	30275	AA	TT	1940472792
SNP_P1_211677_30278	NW_004516247.1	Scaffold892	30278	AA	TT	1940472793
SNP_P1_211678_30331	NW_004516247.1	Scaffold892	30331	TT	CC	1940472794

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211680_30395	NW_004516247.1	Scaffold892	30395	AA	TT	1940472796
SNP_P1_211681_30972	NW_004516247.1	Scaffold892	30972	GG	AA	1940472797
SNP_P1_211682_30997	NW_004516247.1	Scaffold892	30997	TT	CC	1940472798
SNP_P1_211683_32452	NW_004516247.1	Scaffold892	32452	GG	AA	1940472799
SNP_P1_211684_32512	NW_004516247.1	Scaffold892	32512	AA	TT	1940472800
SNP_P1_211685_32554	NW_004516247.1	Scaffold892	32554	TT	CC	1940472801
SNP_P1_211686_32627	NW_004516247.1	Scaffold892	32627	CC	AA	1940472802
SNP_P1_211687_32663	NW_004516247.1	Scaffold892	32663	TT	AA	1940472803
SNP_P1_211688_32700	NW_004516247.1	Scaffold892	32700	GG	AA	1940472804
SNP_P1_211689_32752	NW_004516247.1	Scaffold892	32752	TT	GG	1940472805
SNP_P1_211690_32804	NW_004516247.1	Scaffold892	32804	TT	GG	1940472806
SNP_P1_211691_32884	NW_004516247.1	Scaffold892	32884	TT	AA	1940472807
SNP_P1_211692_32939	NW_004516247.1	Scaffold892	32939	TT	CC	1940472808
SNP_P1_211693_32969	NW_004516247.1	Scaffold892	32969	TT	GG	1940472809
SNP_P1_211694_32976	NW_004516247.1	Scaffold892	32976	GG	AA	1940472810
SNP_P1_211695_33008	NW_004516247.1	Scaffold892	33008	CC	TT	1940472811
SNP_P1_211696_33015	NW_004516247.1	Scaffold892	33015	TT	CC	1940472812
SNP_P1_211697_33017	NW_004516247.1	Scaffold892	33017	AA	CC	1940472813
SNP_P1_211698_33068	NW_004516247.1	Scaffold892	33068	GG	CC	1940472814
SNP_P1_211699_33088	NW_004516247.1	Scaffold892	33088	CC	TT	1940472815
SNP_P1_211700_33137	NW_004516247.1	Scaffold892	33137	TT	GG	1940472816
SNP_P1_211701_33159	NW_004516247.1	Scaffold892	33159	TT	AA	1940472817
SNP_P1_211702_33161	NW_004516247.1	Scaffold892	33161	TT	GG	1940472818
SNP_P1_211703_33178	NW_004516247.1	Scaffold892	33178	TT	CC	1940472819
SNP_P1_211704_33192	NW_004516247.1	Scaffold892	33192	AA	GG	1940472820
SNP_P1_211705_33216	NW_004516247.1	Scaffold892	33216	GG	AA	1940472821
SNP_P1_211706_33217	NW_004516247.1	Scaffold892	33217	GG	TT	1940472822
SNP_P1_211707_33261	NW_004516247.1	Scaffold892	33261	TT	CC	1940472823
SNP_P1_211708_33295	NW_004516247.1	Scaffold892	33295	GG	AA	1940472824
SNP_P1_211709_33310	NW_004516247.1	Scaffold892	33310	TT	CC	1940472825
SNP_P1_211710_33377	NW_004516247.1	Scaffold892	33377	CC	AA	1940472826
SNP_P1_211711_33391	NW_004516247.1	Scaffold892	33391	TT	AA	1940472827
SNP_P1_211712_33539	NW_004516247.1	Scaffold892	33539	TT	CC	1940472828
SNP_P1_211715_33829	NW_004516247.1	Scaffold892	33829	AA	GG	1940472829
SNP_P1_211716_33888	NW_004516247.1	Scaffold892	33888	CC	TT	1940472830
SNP_P1_211717_33923	NW_004516247.1	Scaffold892	33923	CC	TT	1940472831
SNP_P1_211718_34187	NW_004516247.1	Scaffold892	34187	GG	TT	1940472832
SNP_P1_211719_34244	NW_004516247.1	Scaffold892	34244	AA	TT	1940472833
SNP_P1_211720_34329	NW_004516247.1	Scaffold892	34329	TT	CC	1940472834
SNP_P1_211721_34334	NW_004516247.1	Scaffold892	34334	AA	CC	1940472835
SNP_P1_211722_34412	NW_004516247.1	Scaffold892	34412	GG	AA	1940472836

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211725_34480	NW_004516247.1	Scaffold892	34480	AA	TT	1940472838
SNP_P1_211726_34508	NW_004516247.1	Scaffold892	34508	CC	GG	1940472839
SNP_P1_211727_34570	NW_004516247.1	Scaffold892	34570	TT	CC	1940472840
SNP_P1_211728_34581	NW_004516247.1	Scaffold892	34581	AA	GG	1940472841
SNP_P1_211729_34588	NW_004516247.1	Scaffold892	34588	GG	CC	1940472842
SNP_P1_211730_34615	NW_004516247.1	Scaffold892	34615	AA	GG	1940472843
SNP_P1_211731_34630	NW_004516247.1	Scaffold892	34630	TT	AA	1940472844
SNP_P1_211732_34702	NW_004516247.1	Scaffold892	34702	CC	TT	1940472845
SNP_P1_211733_34703	NW_004516247.1	Scaffold892	34703	CC	TT	1940472846
SNP_P1_211734_34789	NW_004516247.1	Scaffold892	34789	CC	GG	1940472847
SNP_P1_211735_34822	NW_004516247.1	Scaffold892	34822	GG	AA	1940472848
SNP_P1_211736_34972	NW_004516247.1	Scaffold892	34972	TT	AA	1940472849
SNP_P1_211737_35109	NW_004516247.1	Scaffold892	35109	AA	CC	1940472850
SNP_P1_211738_35219	NW_004516247.1	Scaffold892	35219	GG	AA	1940472851
SNP_P1_211739_35222	NW_004516247.1	Scaffold892	35222	CC	AA	1940472852
SNP_P1_211740_35277	NW_004516247.1	Scaffold892	35277	GG	AA	1940472853
SNP_P1_211741_36620	NW_004516247.1	Scaffold892	36620	AA	GG	1940472854
SNP_P1_211742_36674	NW_004516247.1	Scaffold892	36674	GG	TT	1940472855
SNP_P1_211743_36697	NW_004516247.1	Scaffold892	36697	GG	TT	1940472856
SNP_P1_211744_36732	NW_004516247.1	Scaffold892	36732	TT	CC	1940472857
SNP_P1_211745_36799	NW_004516247.1	Scaffold892	36799	CC	TT	1940472858
SNP_P1_211746_36821	NW_004516247.1	Scaffold892	36821	GG	AA	1940472859
SNP_P1_211747_37080	NW_004516247.1	Scaffold892	37080	CC	GG	1940472860
SNP_P1_211748_37265	NW_004516247.1	Scaffold892	37265	GG	AA	1940472861
SNP_P1_211749_38045	NW_004516247.1	Scaffold892	38045	GG	TT	1940472862
SNP_P1_211750_38060	NW_004516247.1	Scaffold892	38060	TT	AA	1940472863
SNP_P1_211752_38496	NW_004516247.1	Scaffold892	38496	CC	TT	1940472864
SNP_P1_211753_38793	NW_004516247.1	Scaffold892	38793	TT	CC	1940472865
SNP_P1_211754_38942	NW_004516247.1	Scaffold892	38942	TT	GG	1940472866
SNP_P1_211755_38943	NW_004516247.1	Scaffold892	38943	AA	GG	1940472867
SNP_P1_211756_40471	NW_004516247.1	Scaffold892	40471	TT	CC	1940472868
SNP_P1_211757_40713	NW_004516247.1	Scaffold892	40713	TT	AA	1940472869
SNP_P1_211758_41527	NW_004516247.1	Scaffold892	41527	CC	GG	1940472870
SNP_P1_211759_41782	NW_004516247.1	Scaffold892	41782	CC	TT	1940472871
SNP_P1_211760_42176	NW_004516247.1	Scaffold892	42176	AA	GG	1940472872
SNP_P1_211761_42514	NW_004516247.1	Scaffold892	42514	AA	GG	1940472873
SNP_P1_211763_43770	NW_004516247.1	Scaffold892	43770	AA	CC	1940472874
SNP_P1_211764_44009	NW_004516247.1	Scaffold892	44009	TT	CC	1940472875
SNP_P1_211765_44197	NW_004516247.1	Scaffold892	44197	AA	TT	1940472876
SNP_P1_211768_44478	NW_004516247.1	Scaffold892	44478	AA	GG	1940472877
SNP_P1_211769_44534	NW_004516247.1	Scaffold892	44534	GG	AA	1940472878

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_211771_46301	NW_004516247.1	Scaffold892	46301	TT	GG	1940472880
SNP_P1_211772_46668	NW_004516247.1	Scaffold892	46668	TT	CC	1940472881
SNP_P1_211773_47155	NW_004516247.1	Scaffold892	47155	GG	AA	1940472882
SNP_P1_211775_49887	NW_004516247.1	Scaffold892	49887	CC	TT	1940472883
SNP_P1_211776_50661	NW_004516247.1	Scaffold892	50661	AA	GG	1940472884
SNP_P1_211777_50685	NW_004516247.1	Scaffold892	50685	AA	GG	1940472885
SNP_P1_211778_52835	NW_004516247.1	Scaffold892	52835	GG	AA	1940472886
SNP_P1_211779_54803	NW_004516247.1	Scaffold892	54803	TT	CC	1940472887
SNP_P1_211780_54945	NW_004516247.1	Scaffold892	54945	CC	GG	1940472888
SNP_P1_211783_59657	NW_004516247.1	Scaffold892	59657	CC	TT	1940472889
SNP_P1_211784_60614	NW_004516247.1	Scaffold892	60614	TT	CC	1940472890
SNP_P1_211785_60644	NW_004516247.1	Scaffold892	60644	GG	AA	1940472891
SNP_P1_211788_60741	NW_004516247.1	Scaffold892	60741	AA	GG	1940472892
SNP_P1_211789_60784	NW_004516247.1	Scaffold892	60784	AA	GG	1940472893
SNP_P1_211791_64494	NW_004516247.1	Scaffold892	64494	CC	TT	1940472894
SNP_P1_211792_1353	NW_004516248.1	Scaffold893	1353	GG	AA	1940472895
SNP_P1_211793_1552	NW_004516248.1	Scaffold893	1552	CC	TT	1940472896
SNP_P1_211794_1633	NW_004516248.1	Scaffold893	1633	AA	TT	1940472897
SNP_P1_211795_1634	NW_004516248.1	Scaffold893	1634	AA	GG	1940472898
SNP_P1_211796_1636	NW_004516248.1	Scaffold893	1636	AA	GG	1940472899
SNP_P1_211797_1637	NW_004516248.1	Scaffold893	1637	AA	GG	1940472900
SNP_P1_211798_1849	NW_004516248.1	Scaffold893	1849	AA	TT	1940472901
SNP_P1_211799_1862	NW_004516248.1	Scaffold893	1862	TT	CC	1940472902
SNP_P1_211800_1872	NW_004516248.1	Scaffold893	1872	TT	AA	1940472903
SNP_P1_211801_1884	NW_004516248.1	Scaffold893	1884	GG	AA	1940472904
SNP_P1_211802_1894	NW_004516248.1	Scaffold893	1894	TT	CC	1940472905
SNP_P1_211803_2081	NW_004516248.1	Scaffold893	2081	TT	CC	1940472906
SNP_P1_211804_2222	NW_004516248.1	Scaffold893	2222	GG	AA	1940472907
SNP_P1_211805_2247	NW_004516248.1	Scaffold893	2247	TT	GG	1940472908
SNP_P1_211806_2328	NW_004516248.1	Scaffold893	2328	AA	GG	1940472909
SNP_P1_211807_2349	NW_004516248.1	Scaffold893	2349	CC	TT	1940472910
SNP_P1_211808_2361	NW_004516248.1	Scaffold893	2361	GG	TT	1940472911
SNP_P1_211809_2367	NW_004516248.1	Scaffold893	2367	AA	CC	1940472912
SNP_P1_211810_2377	NW_004516248.1	Scaffold893	2377	TT	CC	1940472913
SNP_P1_211811_2380	NW_004516248.1	Scaffold893	2380	CC	TT	1940472914
SNP_P1_211812_2397	NW_004516248.1	Scaffold893	2397	AA	GG	1940472915
SNP_P1_211813_2422	NW_004516248.1	Scaffold893	2422	TT	AA	1940472916
SNP_P1_211814_2426	NW_004516248.1	Scaffold893	2426	AA	GG	1940472917
SNP_P1_211815_2427	NW_004516248.1	Scaffold893	2427	TT	CC	1940472918
SNP_P1_211816_2434	NW_004516248.1	Scaffold893	2434	TT	CC	1940472919
SNP_P1_211817_2459	NW_004516248.1	Scaffold893	2459	TT	CC	1940472920

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_211818_2473	NW_004516248.1	Scaffold893	2473	AA	GG	1940472921
SNP_P1_211820_9475	NW_004516248.1	Scaffold893	9475	AA	GG	1940472922
SNP_P1_211821_9477	NW_004516248.1	Scaffold893	9477	AA	GG	1940472923
SNP_P1_211822_9808	NW_004516248.1	Scaffold893	9808	GG	TT	1940472924
SNP_P1_211823_9815	NW_004516248.1	Scaffold893	9815	CC	AA	1940472925
SNP_P1_211824_9816	NW_004516248.1	Scaffold893	9816	CC	AA	1940472926
SNP_P1_211825_9865	NW_004516248.1	Scaffold893	9865	TT	CC	1940472927
SNP_P1_211826_10322	NW_004516248.1	Scaffold893	10322	AA	CC	1940472928
SNP_P1_211827_10326	NW_004516248.1	Scaffold893	10326	GG	AA	1940472929
SNP_P1_211828_10861	NW_004516248.1	Scaffold893	10861	AA	GG	1940472930
SNP_P1_211830_11169	NW_004516248.1	Scaffold893	11169	TT	GG	1940472931
SNP_P1_211831_20438	NW_004516248.1	Scaffold893	20438	CC	TT	1940472932
SNP_P1_211832_20441	NW_004516248.1	Scaffold893	20441	TT	AA	1940472933
SNP_P1_211833_20500	NW_004516248.1	Scaffold893	20500	CC	TT	1940472934
SNP_P1_211834_21039	NW_004516248.1	Scaffold893	21039	AA	TT	1940472935
SNP_P1_211835_21040	NW_004516248.1	Scaffold893	21040	GG	TT	1940472936
SNP_P1_211836_21072	NW_004516248.1	Scaffold893	21072	TT	GG	1940472937
SNP_P1_211837_21118	NW_004516248.1	Scaffold893	21118	AA	GG	1940472938
SNP_P1_211838_21131	NW_004516248.1	Scaffold893	21131	GG	AA	1940472939
SNP_P1_211839_21418	NW_004516248.1	Scaffold893	21418	CC	AA	1940472940
SNP_P1_211840_21427	NW_004516248.1	Scaffold893	21427	CC	GG	1940472941
SNP_P1_211841_21431	NW_004516248.1	Scaffold893	21431	CC	AA	1940472942
SNP_P1_211842_21432	NW_004516248.1	Scaffold893	21432	TT	CC	1940472943
SNP_P1_211843_21436	NW_004516248.1	Scaffold893	21436	AA	CC	1940472944
SNP_P1_211844_21443	NW_004516248.1	Scaffold893	21443	TT	CC	1940472946
SNP_P1_211845_21447	NW_004516248.1	Scaffold893	21447	GG	TT	1940472947
SNP_P1_211848_50368	NW_004516250.1	Scaffold895	50368	AA	CC	1940472948
SNP_P1_211849_73854	NW_004516250.1	Scaffold895	73854	GG	AA	1940472949
SNP_P1_211850_83689	NW_004516250.1	Scaffold895	83689	TT	CC	1940472950
SNP_P1_211851_88985	NW_004516250.1	Scaffold895	88985	AA	GG	1940472951
SNP_P1_211853_98453	NW_004516250.1	Scaffold895	98453	GG	AA	1940472952
SNP_P1_211854_98691	NW_004516250.1	Scaffold895	98691	AA	TT	1940472953
SNP_P1_211855_98692	NW_004516250.1	Scaffold895	98692	TT	GG	1940472954
SNP_P1_211856_99593	NW_004516250.1	Scaffold895	99593	CC	TT	1940472955
SNP_P1_211857_99607	NW_004516250.1	Scaffold895	99607	GG	AA	1940472956
SNP_P1_211858_103192	NW_004516250.1	Scaffold895	103192	GG	AA	1940472957
SNP_P1_211860_107670	NW_004516250.1	Scaffold895	107670	GG	TT	1940472958
SNP_P1_211861_107768	NW_004516250.1	Scaffold895	107768	AA	GG	1940472959
SNP_P1_211862_107890	NW_004516250.1	Scaffold895	107890	TT	AA	1940472960
SNP_P1_211863_110097	NW_004516250.1	Scaffold895	110097	TT	GG	1940472961
SNP_P1_211864_115870	NW_004516250.1	Scaffold895	115870	CC	AA	1940472962
SNP_P1_211865_115874	NW_004516250.1	Scaffold895	115874	GG	TT	1940472963

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_211866_115888	NW_004516250.1	Scaffold895	115888	TT	AA	1940472964
SNP_P1_211867_119170	NW_004516250.1	Scaffold895	119170	CC	TT	1940472965
SNP_P1_211868_119205	NW_004516250.1	Scaffold895	119205	AA	GG	1940472966
SNP_P1_211869_127149	NW_004516250.1	Scaffold895	127149	CC	TT	1940472967
SNP_P1_211870_144557	NW_004516250.1	Scaffold895	144557	GG	AA	1940472968
SNP_P1_211871_145841	NW_004516250.1	Scaffold895	145841	GG	TT	1940472969
SNP_P1_211874_3139	NW_004516251.1	Scaffold896	3139	GG	CC	1940472970
SNP_P1_211875_4757	NW_004516251.1	Scaffold896	4757	CC	AA	1940472971
SNP_P1_211876_4778	NW_004516251.1	Scaffold896	4778	GG	CC	1940472972
SNP_P1_211877_4811	NW_004516251.1	Scaffold896	4811	AA	TT	1940472973
SNP_P1_211878_10189	NW_004516251.1	Scaffold896	10189	AA	CC	1940472974
SNP_P1_211879_14292	NW_004516251.1	Scaffold896	14292	TT	GG	1940472975
SNP_P1_211880_14436	NW_004516251.1	Scaffold896	14436	CC	TT	1940472976
SNP_P1_211882_14484	NW_004516251.1	Scaffold896	14484	CC	TT	1940472977
SNP_P1_211883_14512	NW_004516251.1	Scaffold896	14512	AA	GG	1940472978
SNP_P1_211884_14514	NW_004516251.1	Scaffold896	14514	TT	AA	1940472979
SNP_P1_211885_14622	NW_004516251.1	Scaffold896	14622	TT	CC	1940472980
SNP_P1_211886_14625	NW_004516251.1	Scaffold896	14625	TT	CC	1940472981
SNP_P1_211888_14687	NW_004516251.1	Scaffold896	14687	TT	CC	1940472982
SNP_P1_211889_14691	NW_004516251.1	Scaffold896	14691	TT	CC	1940472983
SNP_P1_211890_14722	NW_004516251.1	Scaffold896	14722	TT	CC	1940472984
SNP_P1_211891_14763	NW_004516251.1	Scaffold896	14763	GG	AA	1940472985
SNP_P1_211892_14800	NW_004516251.1	Scaffold896	14800	CC	TT	1940472986
SNP_P1_211893_14807	NW_004516251.1	Scaffold896	14807	TT	CC	1940472987
SNP_P1_211894_14817	NW_004516251.1	Scaffold896	14817	CC	GG	1940472988
SNP_P1_211895_15566	NW_004516251.1	Scaffold896	15566	CC	TT	1940472989
SNP_P1_211896_15571	NW_004516251.1	Scaffold896	15571	AA	GG	1940472990
SNP_P1_211897_15580	NW_004516251.1	Scaffold896	15580	GG	AA	1940472991
SNP_P1_211898_15584	NW_004516251.1	Scaffold896	15584	GG	AA	1940472992
SNP_P1_211899_15604	NW_004516251.1	Scaffold896	15604	TT	CC	1940472993
SNP_P1_211900_15614	NW_004516251.1	Scaffold896	15614	TT	CC	1940472994
SNP_P1_211901_15665	NW_004516251.1	Scaffold896	15665	CC	AA	1940472995
SNP_P1_211902_15676	NW_004516251.1	Scaffold896	15676	AA	GG	1940472996
SNP_P1_211903_15700	NW_004516251.1	Scaffold896	15700	TT	CC	1940472997
SNP_P1_211904_15731	NW_004516251.1	Scaffold896	15731	AA	GG	1940472998
SNP_P1_211905_15734	NW_004516251.1	Scaffold896	15734	AA	GG	1940472999
SNP_P1_211906_22192	NW_004516251.1	Scaffold896	22192	TT	GG	1940473000
SNP_P1_211907_22197	NW_004516251.1	Scaffold896	22197	AA	TT	1940473001
SNP_P1_211908_22546	NW_004516251.1	Scaffold896	22546	AA	GG	1940473002
SNP_P1_211909_22549	NW_004516251.1	Scaffold896	22549	CC	GG	1940473003
SNP_P1_211910_22584	NW_004516251.1	Scaffold896	22584	GG	TT	1940473004
SNP_P1_211911_22628	NW_004516251.1	Scaffold896	22628	AA	TT	1940473005

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SNP_P1_211912_22663	NW_004516251.1	Scaffold896	22663	GG	AA	1940473006
SNP_P1_211913_27814	NW_004516251.1	Scaffold896	27814	GG	AA	1940473007
SNP_P1_211914_36022	NW_004516251.1	Scaffold896	36022	TT	CC	1940473008
SNP_P1_211915_38176	NW_004516251.1	Scaffold896	38176	AA	CC	1940473009
SNP_P1_211916_42682	NW_004516251.1	Scaffold896	42682	AA	GG	1940473010
SNP_P1_211918_49258	NW_004516251.1	Scaffold896	49258	AA	CC	1940473011
SNP_P1_211919_49260	NW_004516251.1	Scaffold896	49260	AA	GG	1940473012
SNP_P1_211920_49261	NW_004516251.1	Scaffold896	49261	TT	AA	1940473013
SNP_P1_211921_49274	NW_004516251.1	Scaffold896	49274	GG	TT	1940473014
SNP_P1_211922_50876	NW_004516251.1	Scaffold896	50876	GG	AA	1940473015
SNP_P1_211923_56309	NW_004516251.1	Scaffold896	56309	TT	GG	1940473016
SNP_P1_211924_57359	NW_004516251.1	Scaffold896	57359	TT	CC	1940473017
SNP_P1_211925_57360	NW_004516251.1	Scaffold896	57360	AA	CC	1940473018
SNP_P1_211926_57362	NW_004516251.1	Scaffold896	57362	AA	TT	1940473019
SNP_P1_211927_57367	NW_004516251.1	Scaffold896	57367	GG	AA	1940473020
SNP_P1_211928_57376	NW_004516251.1	Scaffold896	57376	TT	AA	1940473021
SNP_P1_211929_58906	NW_004516251.1	Scaffold896	58906	GG	TT	1940473022
SNP_P1_211930_62944	NW_004516251.1	Scaffold896	62944	TT	CC	1940473023
SNP_P1_211931_63054	NW_004516251.1	Scaffold896	63054	GG	AA	1940473024
SNP_P1_211932_63390	NW_004516251.1	Scaffold896	63390	CC	TT	1940473025
SNP_P1_211933_63655	NW_004516251.1	Scaffold896	63655	CC	TT	1940473026
SNP_P1_211934_65957	NW_004516251.1	Scaffold896	65957	CC	TT	1940473027
SNP_P1_211935_5623	NW_004516253.1	Scaffold898	5623	AA	TT	1940473028
SNP_P1_211936_8179	NW_004516253.1	Scaffold898	8179	AA	GG	1940473029
SNP_P1_211937_8182	NW_004516253.1	Scaffold898	8182	AA	GG	1940473030
SNP_P1_211938_8183	NW_004516253.1	Scaffold898	8183	TT	CC	1940473031
SNP_P1_211939_8254	NW_004516253.1	Scaffold898	8254	TT	GG	1940473032
SNP_P1_211940_8579	NW_004516253.1	Scaffold898	8579	TT	AA	1940473033
SNP_P1_211941_11944	NW_004516253.1	Scaffold898	11944	TT	CC	1940473034
SNP_P1_211943_27653	NW_004516253.1	Scaffold898	27653	TT	CC	1940473035
SNP_P1_211945_27677	NW_004516253.1	Scaffold898	27677	CC	TT	1940473036
SNP_P1_211946_33391	NW_004516253.1	Scaffold898	33391	AA	TT	1940473037
SNP_P1_211947_34923	NW_004516253.1	Scaffold898	34923	CC	TT	1940473038
SNP_P1_211948_248	NW_004516255.1	Scaffold900	248	TT	CC	1940473039
SNP_P1_211950_12759	NW_004516255.1	Scaffold900	12759	CC	TT	1940473040
SNP_P1_211951_13444	NW_004516255.1	Scaffold900	13444	CC	TT	1940473041
SNP_P1_211952_13463	NW_004516255.1	Scaffold900	13463	AA	GG	1940473042
SNP_P1_211953_13499	NW_004516255.1	Scaffold900	13499	TT	AA	1940473043
SNP_P1_211954_13529	NW_004516255.1	Scaffold900	13529	GG	AA	1940473044
SNP_P1_211955_13761	NW_004516255.1	Scaffold900	13761	AA	TT	1940473045
SNP_P1_211956_13785	NW_004516255.1	Scaffold900	13785	CC	TT	1940473046
SNP_P1_211957_13786	NW_004516255.1	Scaffold900	13786	CC	TT	1940473047

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SNP_P1_211959_13812	NW_004516255.1	Scaffold900	13812	AA	CC	1940473049
SNP_P1_211960_13927	NW_004516255.1	Scaffold900	13927	AA	GG	1940473050
SNP_P1_211961_14803	NW_004516255.1	Scaffold900	14803	AA	GG	1940473051
SNP_P1_211962_14880	NW_004516255.1	Scaffold900	14880	TT	CC	1940473052
SNP_P1_211963_15031	NW_004516255.1	Scaffold900	15031	GG	CC	1940473053
SNP_P1_211964_15063	NW_004516255.1	Scaffold900	15063	TT	AA	1940473054
SNP_P1_211965_15111	NW_004516255.1	Scaffold900	15111	GG	TT	1940473055
SNP_P1_211966_22681	NW_004516255.1	Scaffold900	22681	TT	CC	1940473056
SNP_P1_211967_29357	NW_004516255.1	Scaffold900	29357	TT	CC	1940473057
SNP_P1_211968_29429	NW_004516255.1	Scaffold900	29429	AA	GG	1940473058
SNP_P1_211969_29465	NW_004516255.1	Scaffold900	29465	TT	AA	1940473059
SNP_P1_211970_29495	NW_004516255.1	Scaffold900	29495	GG	AA	1940473060
SNP_P1_211971_29518	NW_004516255.1	Scaffold900	29518	CC	TT	1940473061
SNP_P1_211972_29543	NW_004516255.1	Scaffold900	29543	TT	AA	1940473062
SNP_P1_211973_29604	NW_004516255.1	Scaffold900	29604	CC	TT	1940473063
SNP_P1_211974_29633	NW_004516255.1	Scaffold900	29633	GG	TT	1940473064
SNP_P1_211975_29648	NW_004516255.1	Scaffold900	29648	CC	TT	1940473065
SNP_P1_211976_29667	NW_004516255.1	Scaffold900	29667	TT	CC	1940473066
SNP_P1_211977_29686	NW_004516255.1	Scaffold900	29686	TT	GG	1940473067
SNP_P1_211978_30066	NW_004516255.1	Scaffold900	30066	AA	CC	1940473068
SNP_P1_211979_36557	NW_004516255.1	Scaffold900	36557	CC	GG	1940473069
SNP_P1_211980_36580	NW_004516255.1	Scaffold900	36580	AA	GG	1940473070
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SNP_P1_211982_36681	NW_004516255.1	Scaffold900	36681	CC	TT	1940473072
SNP_P1_211983_36889	NW_004516255.1	Scaffold900	36889	TT	CC	1940473073
SNP_P1_211984_36924	NW_004516255.1	Scaffold900	36924	GG	AA	1940473074
SNP_P1_211985_36968	NW_004516255.1	Scaffold900	36968	AA	CC	1940473075
SNP_P1_211986_36971	NW_004516255.1	Scaffold900	36971	GG	TT	1940473076
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SNP_P1_211990_38856	NW_004516255.1	Scaffold900	38856	AA	GG	1940473080
SNP_P1_211991_38894	NW_004516255.1	Scaffold900	38894	TT	CC	1940473081
SNP_P1_211992_39140	NW_004516255.1	Scaffold900	39140	TT	CC	1940473083
SNP_P1_211993_40330	NW_004516255.1	Scaffold900	40330	TT	AA	1940473084
SNP_P1_211994_40526	NW_004516255.1	Scaffold900	40526	CC	TT	1940473085
SNP_P1_211995_40576	NW_004516255.1	Scaffold900	40576	TT	CC	1940473086
SNP_P1_211996_40586	NW_004516255.1	Scaffold900	40586	CC	AA	1940473087
SNP_P1_211997_41397	NW_004516255.1	Scaffold900	41397	TT	GG	1940473088
SNP_P1_211998_41421	NW_004516255.1	Scaffold900	41421	TT	CC	1940473089
SNP_P1_211999_41442	NW_004516255.1	Scaffold900	41442	CC	TT	1940473090

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SNP_P1_212001_41527	NW_004516255.1	Scaffold900	41527	TT	AA	1940473092
SNP_P1_212002_41576	NW_004516255.1	Scaffold900	41576	GG	TT	1940473093
SNP_P1_212003_41616	NW_004516255.1	Scaffold900	41616	TT	CC	1940473094
SNP_P1_212004_41666	NW_004516255.1	Scaffold900	41666	GG	CC	1940473095
SNP_P1_212005_41714	NW_004516255.1	Scaffold900	41714	GG	CC	1940473096
SNP_P1_212006_41768	NW_004516255.1	Scaffold900	41768	TT	AA	1940473097
SNP_P1_212007_41789	NW_004516255.1	Scaffold900	41789	TT	CC	1940473098
SNP_P1_212008_41821	NW_004516255.1	Scaffold900	41821	TT	GG	1940473099
SNP_P1_212009_41911	NW_004516255.1	Scaffold900	41911	GG	AA	1940473100
SNP_P1_212010_42089	NW_004516255.1	Scaffold900	42089	CC	TT	1940473101
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SNP_P1_212012_42138	NW_004516255.1	Scaffold900	42138	AA	GG	1940473103
SNP_P1_212013_42183	NW_004516255.1	Scaffold900	42183	TT	CC	1940473104
SNP_P1_212014_42285	NW_004516255.1	Scaffold900	42285	TT	AA	1940473105
SNP_P1_212015_42349	NW_004516255.1	Scaffold900	42349	TT	AA	1940473106
SNP_P1_212016_42419	NW_004516255.1	Scaffold900	42419	GG	TT	1940473107
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SNP_P1_212019_42537	NW_004516255.1	Scaffold900	42537	GG	TT	1940473110
SNP_P1_212020_42732	NW_004516255.1	Scaffold900	42732	CC	TT	1940473111
SNP_P1_212021_42734	NW_004516255.1	Scaffold900	42734	GG	TT	1940473112
SNP_P1_212022_42754	NW_004516255.1	Scaffold900	42754	TT	CC	1940473113
SNP_P1_212023_42786	NW_004516255.1	Scaffold900	42786	CC	GG	1940473114
SNP_P1_212024_42901	NW_004516255.1	Scaffold900	42901	TT	AA	1940473115
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SNP_P1_212029_43795	NW_004516255.1	Scaffold900	43795	TT	AA	1940473120
SNP_P1_212030_44662	NW_004516255.1	Scaffold900	44662	TT	CC	1940473121
SNP_P1_212031_44663	NW_004516255.1	Scaffold900	44663	CC	TT	1940473122
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SNP_P1_212035_44672	NW_004516255.1	Scaffold900	44672	AA	TT	1940473126
SNP_P1_212036_44673	NW_004516255.1	Scaffold900	44673	TT	AA	1940473127
SNP_P1_212037_45450	NW_004516255.1	Scaffold900	45450	GG	AA	1940473128
SNP_P1_212038_45462	NW_004516255.1	Scaffold900	45462	TT	AA	1940473129
SNP_P1_212039_45463	NW_004516255.1	Scaffold900	45463	GG	AA	1940473130
SNP_P1_212040_45533	NW_004516255.1	Scaffold900	45533	TT	GG	1940473131
SNP_P1_212041_46450	NW_004516255.1	Scaffold900	46450	CC	AA	1940473132

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212045_46654	NW_004516255.1	Scaffold900	46654	AA	CC	1940473135
SNP_P1_212046_46918	NW_004516255.1	Scaffold900	46918	GG	TT	1940473136
SNP_P1_212047_46989	NW_004516255.1	Scaffold900	46989	CC	TT	1940473137
SNP_P1_212048_47149	NW_004516255.1	Scaffold900	47149	TT	CC	1940473138
SNP_P1_212049_47193	NW_004516255.1	Scaffold900	47193	CC	GG	1940473139
SNP_P1_212050_47232	NW_004516255.1	Scaffold900	47232	AA	GG	1940473140
SNP_P1_212051_47407	NW_004516255.1	Scaffold900	47407	GG	AA	1940473141
SNP_P1_212052_47428	NW_004516255.1	Scaffold900	47428	CC	TT	1940473142
SNP_P1_212053_47430	NW_004516255.1	Scaffold900	47430	AA	TT	1940473143
SNP_P1_212054_47441	NW_004516255.1	Scaffold900	47441	AA	CC	1940473144
SNP_P1_212055_47513	NW_004516255.1	Scaffold900	47513	GG	AA	1940473145
SNP_P1_212056_47602	NW_004516255.1	Scaffold900	47602	TT	AA	1940473146
SNP_P1_212057_47672	NW_004516255.1	Scaffold900	47672	AA	CC	1940473147
SNP_P1_212058_47889	NW_004516255.1	Scaffold900	47889	TT	CC	1940473148
SNP_P1_212060_50194	NW_004516255.1	Scaffold900	50194	CC	TT	1940473149
SNP_P1_212061_50866	NW_004516255.1	Scaffold900	50866	AA	TT	1940473150
SNP_P1_212062_50907	NW_004516255.1	Scaffold900	50907	TT	AA	1940473151
SNP_P1_212063_51011	NW_004516255.1	Scaffold900	51011	TT	GG	1940473152
SNP_P1_212064_51112	NW_004516255.1	Scaffold900	51112	TT	AA	1940473153
SNP_P1_212065_51241	NW_004516255.1	Scaffold900	51241	TT	CC	1940473154
SNP_P1_212066_51292	NW_004516255.1	Scaffold900	51292	TT	CC	1940473155
SNP_P1_212067_51302	NW_004516255.1	Scaffold900	51302	AA	TT	1940473156
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SNP_P1_212070_4114	NW_004516256.1	Scaffold901	4114	AA	CC	1940473159
SNP_P1_212071_4380	NW_004516256.1	Scaffold901	4380	TT	CC	1940473160
SNP_P1_212072_4393	NW_004516256.1	Scaffold901	4393	TT	CC	1940473161
SNP_P1_212073_17313	NW_004516256.1	Scaffold901	17313	TT	GG	1940473162
SNP_P1_212074_19857	NW_004516256.1	Scaffold901	19857	CC	TT	1940473163
SNP_P1_212075_20174	NW_004516256.1	Scaffold901	20174	TT	GG	1940473164
SNP_P1_212076_20175	NW_004516256.1	Scaffold901	20175	GG	TT	1940473165
SNP_P1_212077_20191	NW_004516256.1	Scaffold901	20191	AA	GG	1940473166
SNP_P1_212078_20220	NW_004516256.1	Scaffold901	20220	TT	CC	1940473167
SNP_P1_212079_20250	NW_004516256.1	Scaffold901	20250	GG	CC	1940473168
SNP_P1_212080_20258	NW_004516256.1	Scaffold901	20258	GG	AA	1940473169
SNP_P1_212081_20278	NW_004516256.1	Scaffold901	20278	AA	GG	1940473170
SNP_P1_212082_23373	NW_004516256.1	Scaffold901	23373	GG	AA	1940473171
SNP_P1_212083_23399	NW_004516256.1	Scaffold901	23399	TT	CC	1940473172
SNP_P1_212084_23566	NW_004516256.1	Scaffold901	23566	CC	TT	1940473173
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212087_23845	NW_004516256.1	Scaffold901	23845	TT	AA	1940473176
SNP_P1_212088_23882	NW_004516256.1	Scaffold901	23882	AA	GG	1940473177
SNP_P1_212089_23901	NW_004516256.1	Scaffold901	23901	AA	GG	1940473178
SNP_P1_212090_23912	NW_004516256.1	Scaffold901	23912	TT	AA	1940473179
SNP_P1_212091_23928	NW_004516256.1	Scaffold901	23928	TT	AA	1940473180
SNP_P1_212092_23948	NW_004516256.1	Scaffold901	23948	GG	AA	1940473181
SNP_P1_212093_23950	NW_004516256.1	Scaffold901	23950	TT	CC	1940473182
SNP_P1_212094_28769	NW_004516256.1	Scaffold901	28769	AA	GG	1940473183
SNP_P1_212095_46297	NW_004516256.1	Scaffold901	46297	GG	AA	1940473184
SNP_P1_212096_46303	NW_004516256.1	Scaffold901	46303	TT	CC	1940473185
SNP_P1_212097_46352	NW_004516256.1	Scaffold901	46352	GG	AA	1940473186
SNP_P1_212098_53681	NW_004516256.1	Scaffold901	53681	TT	AA	1940473187
SNP_P1_212099_66518	NW_004516256.1	Scaffold901	66518	GG	AA	1940473188
SNP_P1_212101_69488	NW_004516256.1	Scaffold901	69488	GG	AA	1940473189
SNP_P1_212102_69497	NW_004516256.1	Scaffold901	69497	TT	CC	1940473190
SNP_P1_212103_69511	NW_004516256.1	Scaffold901	69511	CC	TT	1940473191
SNP_P1_212104_69537	NW_004516256.1	Scaffold901	69537	TT	CC	1940473192
SNP_P1_212105_70509	NW_004516256.1	Scaffold901	70509	GG	TT	1940473193
SNP_P1_212106_91743	NW_004516256.1	Scaffold901	91743	GG	AA	1940473194
SNP_P1_212107_101030	NW_004516256.1	Scaffold901	101030	AA	GG	1940473195
SNP_P1_212108_101036	NW_004516256.1	Scaffold901	101036	TT	AA	1940473196
SNP_P1_212109_112983	NW_004516256.1	Scaffold901	112983	GG	TT	1940473197
SNP_P1_212111_120971	NW_004516256.1	Scaffold901	120971	TT	GG	1940473198
SNP_P1_212112_126221	NW_004516256.1	Scaffold901	126221	AA	GG	1940473199
SNP_P1_212113_136255	NW_004516256.1	Scaffold901	136255	CC	TT	1940473200
SNP_P1_212116_143065	NW_004516256.1	Scaffold901	143065	AA	TT	1940473201
SNP_P1_212117_143121	NW_004516256.1	Scaffold901	143121	AA	GG	1940473202
SNP_P1_212118_143124	NW_004516256.1	Scaffold901	143124	CC	TT	1940473203
SNP_P1_212119_143131	NW_004516256.1	Scaffold901	143131	AA	GG	1940473204
SNP_P1_212120_155718	NW_004516256.1	Scaffold901	155718	AA	GG	1940473205
SNP_P1_212121_155789	NW_004516256.1	Scaffold901	155789	CC	AA	1940473206
SNP_P1_212122_156198	NW_004516256.1	Scaffold901	156198	CC	AA	1940473207
SNP_P1_212123_156199	NW_004516256.1	Scaffold901	156199	CC	TT	1940473208
SNP_P1_212124_165968	NW_004516256.1	Scaffold901	165968	GG	AA	1940473209
SNP_P1_212125_183101	NW_004516256.1	Scaffold901	183101	CC	TT	1940473210
SNP_P1_212126_199331	NW_004516256.1	Scaffold901	199331	AA	TT	1940473211
SNP_P1_212127_199363	NW_004516256.1	Scaffold901	199363	AA	GG	1940473212
SNP_P1_212128_199430	NW_004516256.1	Scaffold901	199430	CC	GG	1940473213
SNP_P1_212129_199684	NW_004516256.1	Scaffold901	199684	GG	AA	1940473214
SNP_P1_212130_199741	NW_004516256.1	Scaffold901	199741	CC	AA	1940473215
SNP_P1_212131_199742	NW_004516256.1	Scaffold901	199742	TT	CC	1940473216

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212133_209858	NW_004516256.1	Scaffold901	209858	AA	CC	1940473218
SNP_P1_212134_213125	NW_004516256.1	Scaffold901	213125	GG	AA	1940473219
SNP_P1_212135_221850	NW_004516256.1	Scaffold901	221850	AA	GG	1940473220
SNP_P1_212136_221877	NW_004516256.1	Scaffold901	221877	AA	GG	1940473221
SNP_P1_212137_224966	NW_004516256.1	Scaffold901	224966	TT	AA	1940473222
SNP_P1_212138_229453	NW_004516256.1	Scaffold901	229453	CC	TT	1940473223
SNP_P1_212140_233559	NW_004516256.1	Scaffold901	233559	TT	AA	1940473224
SNP_P1_212141_233560	NW_004516256.1	Scaffold901	233560	GG	TT	1940473225
SNP_P1_212142_236041	NW_004516256.1	Scaffold901	236041	GG	AA	1940473226
SNP_P1_212143_245913	NW_004516256.1	Scaffold901	245913	TT	GG	1940473227
SNP_P1_212144_7940	NW_004516257.1	Scaffold903	7940	AA	TT	1940473228
SNP_P1_212145_8647	NW_004516257.1	Scaffold903	8647	TT	GG	1940473229
SNP_P1_212146_325	NW_004516258.1	Scaffold904	325	CC	TT	1940473230
SNP_P1_212147_3374	NW_004516258.1	Scaffold904	3374	AA	TT	1940473231
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SNP_P1_212150_9844	NW_004516258.1	Scaffold904	9844	AA	CC	1940473233
SNP_P1_212151_9848	NW_004516258.1	Scaffold904	9848	TT	CC	1940473235
SNP_P1_212152_9876	NW_004516258.1	Scaffold904	9876	TT	GG	1940473236
SNP_P1_212154_11284	NW_004516258.1	Scaffold904	11284	GG	AA	1940473237
SNP_P1_212155_11632	NW_004516258.1	Scaffold904	11632	CC	TT	1940473238
SNP_P1_212156_11648	NW_004516258.1	Scaffold904	11648	TT	GG	1940473239
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SNP_P1_212158_13124	NW_004516258.1	Scaffold904	13124	TT	CC	1940473241
SNP_P1_212159_13149	NW_004516258.1	Scaffold904	13149	AA	TT	1940473242
SNP_P1_212160_13160	NW_004516258.1	Scaffold904	13160	CC	GG	1940473243
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SNP_P1_212162_13729	NW_004516258.1	Scaffold904	13729	TT	AA	1940473245
SNP_P1_212163_14506	NW_004516258.1	Scaffold904	14506	AA	TT	1940473246
SNP_P1_212164_14539	NW_004516258.1	Scaffold904	14539	AA	GG	1940473247
SNP_P1_212165_14558	NW_004516258.1	Scaffold904	14558	CC	TT	1940473248
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SNP_P1_212167_14893	NW_004516258.1	Scaffold904	14893	CC	TT	1940473250
SNP_P1_212168_16521	NW_004516258.1	Scaffold904	16521	CC	GG	1940473251
SNP_P1_212169_16592	NW_004516258.1	Scaffold904	16592	CC	TT	1940473252
SNP_P1_212170_16716	NW_004516258.1	Scaffold904	16716	TT	CC	1940473253
SNP_P1_212171_16760	NW_004516258.1	Scaffold904	16760	TT	CC	1940473254
SNP_P1_212172_16761	NW_004516258.1	Scaffold904	16761	AA	CC	1940473255
SNP_P1_212173_18248	NW_004516258.1	Scaffold904	18248	CC	TT	1940473256
SNP_P1_212174_19684	NW_004516258.1	Scaffold904	19684	TT	CC	1940473257
SNP_P1_212175_20230	NW_004516258.1	Scaffold904	20230	AA	GG	1940473258
SNP_P1_212176_20303	NW_004516258.1	Scaffold904	20303	TT	AA	1940473259

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212178_698	NW_004516260.1	Scaffold907	698	AA	TT	1940473261
SNP_P1_212179_3045	NW_004516260.1	Scaffold907	3045	CC	TT	1940473262
SNP_P1_212180_3049	NW_004516260.1	Scaffold907	3049	AA	GG	1940473263
SNP_P1_212182_7900	NW_004516260.1	Scaffold907	7900	GG	CC	1940473264
SNP_P1_212184_9872	NW_004516261.1	Scaffold908	9872	TT	GG	1940473265
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SNP_P1_212186_11018	NW_004516261.1	Scaffold908	11018	AA	GG	1940473267
SNP_P1_212187_11026	NW_004516261.1	Scaffold908	11026	CC	TT	1940473268
SNP_P1_212188_11030	NW_004516261.1	Scaffold908	11030	TT	AA	1940473269
SNP_P1_212189_11057	NW_004516261.1	Scaffold908	11057	TT	AA	1940473270
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SNP_P1_212191_11112	NW_004516261.1	Scaffold908	11112	AA	GG	1940473272
SNP_P1_212192_11153	NW_004516261.1	Scaffold908	11153	CC	TT	1940473273
SNP_P1_212193_11338	NW_004516261.1	Scaffold908	11338	TT	CC	1940473274
SNP_P1_212194_11341	NW_004516261.1	Scaffold908	11341	CC	TT	1940473275
SNP_P1_212195_11358	NW_004516261.1	Scaffold908	11358	TT	CC	1940473276
SNP_P1_212196_11373	NW_004516261.1	Scaffold908	11373	CC	AA	1940473277
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SNP_P1_212198_17865	NW_004516261.1	Scaffold908	17865	AA	GG	1940473279
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SNP_P1_212200_18181	NW_004516261.1	Scaffold908	18181	TT	AA	1940473281
SNP_P1_212201_18227	NW_004516261.1	Scaffold908	18227	GG	AA	1940473282
SNP_P1_212202_18233	NW_004516261.1	Scaffold908	18233	TT	AA	1940473283
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SNP_P1_212208_19125	NW_004516261.1	Scaffold908	19125	TT	CC	1940473289
SNP_P1_212209_19128	NW_004516261.1	Scaffold908	19128	CC	TT	1940473290
SNP_P1_212210_21851	NW_004516261.1	Scaffold908	21851	TT	AA	1940473291
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SNP_P1_212212_30972	NW_004516261.1	Scaffold908	30972	GG	TT	1940473293
SNP_P1_212213_31232	NW_004516261.1	Scaffold908	31232	AA	GG	1940473294
SNP_P1_212214_31267	NW_004516261.1	Scaffold908	31267	CC	TT	1940473295
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SNP_P1_212216_31403	NW_004516261.1	Scaffold908	31403	GG	TT	1940473297
SNP_P1_212217_31638	NW_004516261.1	Scaffold908	31638	GG	TT	1940473298
SNP_P1_212218_37881	NW_004516261.1	Scaffold908	37881	AA	GG	1940473299
SNP_P1_212219_37889	NW_004516261.1	Scaffold908	37889	AA	GG	1940473300
SNP_P1_212220_41004	NW_004516261.1	Scaffold908	41004	TT	AA	1940473301

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SNP_P1_212224_42047	NW_004516261.1	Scaffold908	42047	TT	CC	1940473304
SNP_P1_212225_491	NW_004516262.1	Scaffold909	491	CC	TT	1940473305
SNP_P1_212226_1630	NW_004516262.1	Scaffold909	1630	AA	GG	1940473306
SNP_P1_212227_1711	NW_004516262.1	Scaffold909	1711	CC	TT	1940473307
SNP_P1_212228_1729	NW_004516262.1	Scaffold909	1729	GG	AA	1940473308
SNP_P1_212229_1785	NW_004516262.1	Scaffold909	1785	CC	GG	1940473309
SNP_P1_212230_2420	NW_004516262.1	Scaffold909	2420	TT	CC	1940473310
SNP_P1_212231_3824	NW_004516262.1	Scaffold909	3824	AA	TT	1940473311
SNP_P1_212232_3889	NW_004516262.1	Scaffold909	3889	CC	AA	1940473312
SNP_P1_212233_4540	NW_004516262.1	Scaffold909	4540	TT	GG	1940473313
SNP_P1_212234_5135	NW_004516262.1	Scaffold909	5135	TT	AA	1940473314
SNP_P1_212235_5199	NW_004516262.1	Scaffold909	5199	AA	GG	1940473315
SNP_P1_212236_5269	NW_004516262.1	Scaffold909	5269	CC	TT	1940473316
SNP_P1_212237_5287	NW_004516262.1	Scaffold909	5287	GG	AA	1940473317
SNP_P1_212238_5649	NW_004516262.1	Scaffold909	5649	CC	TT	1940473318
SNP_P1_212239_5735	NW_004516262.1	Scaffold909	5735	TT	GG	1940473319
SNP_P1_212240_5838	NW_004516262.1	Scaffold909	5838	GG	AA	1940473320
SNP_P1_212241_5847	NW_004516262.1	Scaffold909	5847	GG	AA	1940473321
SNP_P1_212242_5848	NW_004516262.1	Scaffold909	5848	AA	CC	1940473322
SNP_P1_212243_5884	NW_004516262.1	Scaffold909	5884	CC	TT	1940473323
SNP_P1_212244_6162	NW_004516262.1	Scaffold909	6162	TT	CC	1940473324
SNP_P1_212245_6212	NW_004516262.1	Scaffold909	6212	GG	TT	1940473325
SNP_P1_212246_6221	NW_004516262.1	Scaffold909	6221	TT	CC	1940473326
SNP_P1_212247_6397	NW_004516262.1	Scaffold909	6397	TT	CC	1940473327
SNP_P1_212248_6652	NW_004516262.1	Scaffold909	6652	AA	TT	1940473328
SNP_P1_212250_6855	NW_004516262.1	Scaffold909	6855	CC	TT	1940473329
SNP_P1_212251_6901	NW_004516262.1	Scaffold909	6901	AA	GG	1940473330
SNP_P1_212252_6925	NW_004516262.1	Scaffold909	6925	TT	CC	1940473331
SNP_P1_212253_6986	NW_004516262.1	Scaffold909	6986	AA	GG	1940473332
SNP_P1_212254_6999	NW_004516262.1	Scaffold909	6999	AA	CC	1940473333
SNP_P1_212255_7050	NW_004516262.1	Scaffold909	7050	GG	AA	1940473334
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SNP_P1_212257_8105	NW_004516262.1	Scaffold909	8105	AA	GG	1940473336
SNP_P1_212258_8135	NW_004516262.1	Scaffold909	8135	TT	CC	1940473337
SNP_P1_212259_8162	NW_004516262.1	Scaffold909	8162	AA	TT	1940473338
SNP_P1_212260_8185	NW_004516262.1	Scaffold909	8185	GG	TT	1940473339
SNP_P1_212261_8187	NW_004516262.1	Scaffold909	8187	CC	TT	1940473340
SNP_P1_212262_8213	NW_004516262.1	Scaffold909	8213	TT	GG	1940473341
SNP_P1_212263_8229	NW_004516262.1	Scaffold909	8229	AA	GG	1940473342
SNP_P1_212264_8302	NW_004516262.1	Scaffold909	8302	AA	GG	1940473343

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212266_8354	NW_004516262.1	Scaffold909	8354	AA	CC	1940473345
SNP_P1_212267_8358	NW_004516262.1	Scaffold909	8358	AA	GG	1940473346
SNP_P1_212268_8466	NW_004516262.1	Scaffold909	8466	TT	CC	1940473347
SNP_P1_212269_8607	NW_004516262.1	Scaffold909	8607	TT	GG	1940473348
SNP_P1_212270_8612	NW_004516262.1	Scaffold909	8612	CC	AA	1940473349
SNP_P1_212271_8621	NW_004516262.1	Scaffold909	8621	GG	AA	1940473350
SNP_P1_212272_8643	NW_004516262.1	Scaffold909	8643	AA	GG	1940473351
SNP_P1_212273_8676	NW_004516262.1	Scaffold909	8676	AA	GG	1940473352
SNP_P1_212274_8685	NW_004516262.1	Scaffold909	8685	GG	AA	1940473353
SNP_P1_212275_8711	NW_004516262.1	Scaffold909	8711	AA	TT	1940473354
SNP_P1_212276_8715	NW_004516262.1	Scaffold909	8715	AA	GG	1940473355
SNP_P1_212277_8723	NW_004516262.1	Scaffold909	8723	TT	GG	1940473356
SNP_P1_212278_8726	NW_004516262.1	Scaffold909	8726	AA	GG	1940473357
SNP_P1_212279_8743	NW_004516262.1	Scaffold909	8743	AA	GG	1940473358
SNP_P1_212280_10044	NW_004516262.1	Scaffold909	10044	GG	AA	1940473359
SNP_P1_212281_10162	NW_004516262.1	Scaffold909	10162	GG	TT	1940473360
SNP_P1_212282_10232	NW_004516262.1	Scaffold909	10232	TT	AA	1940473361
SNP_P1_212283_10256	NW_004516262.1	Scaffold909	10256	CC	TT	1940473362
SNP_P1_212284_10306	NW_004516262.1	Scaffold909	10306	CC	TT	1940473363
SNP_P1_212285_10307	NW_004516262.1	Scaffold909	10307	AA	GG	1940473364
SNP_P1_212286_10407	NW_004516262.1	Scaffold909	10407	AA	CC	1940473365
SNP_P1_212287_10418	NW_004516262.1	Scaffold909	10418	GG	AA	1940473366
SNP_P1_212288_10508	NW_004516262.1	Scaffold909	10508	TT	CC	1940473367
SNP_P1_212289_10510	NW_004516262.1	Scaffold909	10510	CC	GG	1940473368
SNP_P1_212290_10722	NW_004516262.1	Scaffold909	10722	GG	AA	1940473369
SNP_P1_212291_10771	NW_004516262.1	Scaffold909	10771	TT	CC	1940473370
SNP_P1_212292_10777	NW_004516262.1	Scaffold909	10777	TT	CC	1940473371
SNP_P1_212293_11067	NW_004516262.1	Scaffold909	11067	TT	AA	1940473372
SNP_P1_212294_11084	NW_004516262.1	Scaffold909	11084	AA	GG	1940473373
SNP_P1_212295_11108	NW_004516262.1	Scaffold909	11108	TT	GG	1940473374
SNP_P1_212296_11793	NW_004516262.1	Scaffold909	11793	GG	AA	1940473375
SNP_P1_212297_12754	NW_004516262.1	Scaffold909	12754	CC	GG	1940473376
SNP_P1_212298_16153	NW_004516262.1	Scaffold909	16153	TT	CC	1940473377
SNP_P1_212299_16244	NW_004516262.1	Scaffold909	16244	AA	TT	1940473378
SNP_P1_212300_17079	NW_004516262.1	Scaffold909	17079	TT	CC	1940473379
SNP_P1_212301_17088	NW_004516262.1	Scaffold909	17088	AA	CC	1940473380
SNP_P1_212302_17831	NW_004516262.1	Scaffold909	17831	TT	GG	1940473381
SNP_P1_212303_18281	NW_004516262.1	Scaffold909	18281	AA	GG	1940473382
SNP_P1_212304_18294	NW_004516262.1	Scaffold909	18294	GG	AA	1940473383
SNP_P1_212305_18300	NW_004516262.1	Scaffold909	18300	CC	TT	1940473384
SNP_P1_212306_18335	NW_004516262.1	Scaffold909	18335	CC	TT	1940473385

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212308_18371	NW_004516262.1	Scaffold909	18371	AA	CC	1940473387
SNP_P1_212309_18445	NW_004516262.1	Scaffold909	18445	CC	TT	1940473388
SNP_P1_212310_18453	NW_004516262.1	Scaffold909	18453	TT	CC	1940473389
SNP_P1_212311_18541	NW_004516262.1	Scaffold909	18541	TT	GG	1940473390
SNP_P1_212313_21682	NW_004516262.1	Scaffold909	21682	AA	GG	1940473391
SNP_P1_212314_21779	NW_004516262.1	Scaffold909	21779	GG	AA	1940473392
SNP_P1_212315_21902	NW_004516262.1	Scaffold909	21902	CC	GG	1940473394
SNP_P1_212316_22110	NW_004516262.1	Scaffold909	22110	AA	GG	1940473395
SNP_P1_212317_22271	NW_004516262.1	Scaffold909	22271	TT	CC	1940473396
SNP_P1_212318_22304	NW_004516262.1	Scaffold909	22304	TT	CC	1940473397
SNP_P1_212319_22481	NW_004516262.1	Scaffold909	22481	AA	TT	1940473398
SNP_P1_212320_23494	NW_004516262.1	Scaffold909	23494	GG	TT	1940473399
SNP_P1_212321_23924	NW_004516262.1	Scaffold909	23924	AA	GG	1940473400
SNP_P1_212322_23990	NW_004516262.1	Scaffold909	23990	AA	GG	1940473401
SNP_P1_212323_24351	NW_004516262.1	Scaffold909	24351	GG	AA	1940473402
SNP_P1_212324_24756	NW_004516262.1	Scaffold909	24756	GG	TT	1940473403
SNP_P1_212325_24797	NW_004516262.1	Scaffold909	24797	GG	AA	1940473404
SNP_P1_212326_25077	NW_004516262.1	Scaffold909	25077	GG	CC	1940473405
SNP_P1_212327_26200	NW_004516262.1	Scaffold909	26200	AA	GG	1940473406
SNP_P1_212328_26216	NW_004516262.1	Scaffold909	26216	AA	GG	1940473407
SNP_P1_212329_26223	NW_004516262.1	Scaffold909	26223	CC	AA	1940473408
SNP_P1_212330_26313	NW_004516262.1	Scaffold909	26313	CC	GG	1940473409
SNP_P1_212331_26331	NW_004516262.1	Scaffold909	26331	GG	AA	1940473410
SNP_P1_212332_26384	NW_004516262.1	Scaffold909	26384	GG	CC	1940473411
SNP_P1_212333_26392	NW_004516262.1	Scaffold909	26392	GG	AA	1940473412
SNP_P1_212334_26541	NW_004516262.1	Scaffold909	26541	TT	CC	1940473413
SNP_P1_212335_26705	NW_004516262.1	Scaffold909	26705	AA	CC	1940473414
SNP_P1_212336_26782	NW_004516262.1	Scaffold909	26782	TT	CC	1940473415
SNP_P1_212337_26838	NW_004516262.1	Scaffold909	26838	GG	TT	1940473416
SNP_P1_212338_26997	NW_004516262.1	Scaffold909	26997	GG	AA	1940473417
SNP_P1_212339_27056	NW_004516262.1	Scaffold909	27056	CC	GG	1940473418
SNP_P1_212340_27095	NW_004516262.1	Scaffold909	27095	TT	CC	1940473419
SNP_P1_212341_27202	NW_004516262.1	Scaffold909	27202	GG	AA	1940473420
SNP_P1_212342_27214	NW_004516262.1	Scaffold909	27214	AA	GG	1940473421
SNP_P1_212343_27216	NW_004516262.1	Scaffold909	27216	TT	CC	1940473422
SNP_P1_212344_27243	NW_004516262.1	Scaffold909	27243	AA	CC	1940473423
SNP_P1_212345_27397	NW_004516262.1	Scaffold909	27397	AA	GG	1940473424
SNP_P1_212346_27586	NW_004516262.1	Scaffold909	27586	CC	TT	1940473425
SNP_P1_212347_27640	NW_004516262.1	Scaffold909	27640	CC	TT	1940473426
SNP_P1_212348_27648	NW_004516262.1	Scaffold909	27648	TT	AA	1940473427
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212352_29465	NW_004516262.1	Scaffold909	29465	CC	TT	1940473431
SNP_P1_212353_35547	NW_004516262.1	Scaffold909	35547	CC	TT	1940473432
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SNP_P1_212355_35611	NW_004516262.1	Scaffold909	35611	TT	GG	1940473434
SNP_P1_212356_35861	NW_004516262.1	Scaffold909	35861	GG	AA	1940473435
SNP_P1_212357_35933	NW_004516262.1	Scaffold909	35933	GG	AA	1940473436
SNP_P1_212358_35942	NW_004516262.1	Scaffold909	35942	AA	GG	1940473437
SNP_P1_212359_35975	NW_004516262.1	Scaffold909	35975	TT	CC	1940473438
SNP_P1_212360_36043	NW_004516262.1	Scaffold909	36043	AA	TT	1940473439
SNP_P1_212361_36110	NW_004516262.1	Scaffold909	36110	AA	GG	1940473440
SNP_P1_212362_36133	NW_004516262.1	Scaffold909	36133	GG	TT	1940473441
SNP_P1_212363_37048	NW_004516262.1	Scaffold909	37048	CC	TT	1940473442
SNP_P1_212364_37050	NW_004516262.1	Scaffold909	37050	AA	GG	1940473443
SNP_P1_212365_37097	NW_004516262.1	Scaffold909	37097	TT	GG	1940473444
SNP_P1_212366_37098	NW_004516262.1	Scaffold909	37098	GG	AA	1940473445
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SNP_P1_212368_38483	NW_004516262.1	Scaffold909	38483	GG	AA	1940473447
SNP_P1_212369_39809	NW_004516262.1	Scaffold909	39809	AA	GG	1940473448
SNP_P1_212371_44341	NW_004516262.1	Scaffold909	44341	GG	AA	1940473449
SNP_P1_212372_44360	NW_004516262.1	Scaffold909	44360	CC	TT	1940473450
SNP_P1_212373_49757	NW_004516262.1	Scaffold909	49757	CC	AA	1940473451
SNP_P1_212374_49789	NW_004516262.1	Scaffold909	49789	CC	TT	1940473452
SNP_P1_212375_51136	NW_004516262.1	Scaffold909	51136	TT	AA	1940473453
SNP_P1_212376_53611	NW_004516262.1	Scaffold909	53611	TT	CC	1940473454
SNP_P1_212377_53620	NW_004516262.1	Scaffold909	53620	AA	GG	1940473455
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SNP_P1_212379_54069	NW_004516262.1	Scaffold909	54069	TT	CC	1940473457
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SNP_P1_212384_4410	NW_004516263.1	Scaffold910	4410	CC	AA	1940473462
SNP_P1_212385_8557	NW_004516263.1	Scaffold910	8557	CC	TT	1940473463
SNP_P1_212386_8620	NW_004516263.1	Scaffold910	8620	AA	GG	1940473464
SNP_P1_212387_8976	NW_004516263.1	Scaffold910	8976	GG	TT	1940473465
SNP_P1_212388_8788	NW_004516264.1	Scaffold913	8788	GG	AA	1940473466
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SNP_P1_212391_15525	NW_004516264.1	Scaffold913	15525	CC	AA	1940473468
SNP_P1_212392_35387	NW_004516264.1	Scaffold913	35387	GG	AA	1940473469
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212396_77078	NW_004516264.1	Scaffold913	77078	GG	AA	1940473473
SNP_P1_212397_81777	NW_004516264.1	Scaffold913	81777	GG	TT	1940473474
SNP_P1_212399_81804	NW_004516264.1	Scaffold913	81804	TT	CC	1940473475
SNP_P1_212400_81824	NW_004516264.1	Scaffold913	81824	TT	CC	1940473476
SNP_P1_212401_81887	NW_004516264.1	Scaffold913	81887	GG	AA	1940473477
SNP_P1_212402_81888	NW_004516264.1	Scaffold913	81888	GG	AA	1940473478
SNP_P1_212403_96356	NW_004516264.1	Scaffold913	96356	AA	GG	1940473479
SNP_P1_212404_112445	NW_004516264.1	Scaffold913	112445	AA	GG	1940473480
SNP_P1_212405_119681	NW_004516264.1	Scaffold913	119681	GG	AA	1940473481
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SNP_P1_212408_138859	NW_004516264.1	Scaffold913	138859	TT	AA	1940473484
SNP_P1_212409_138955	NW_004516264.1	Scaffold913	138955	CC	AA	1940473485
SNP_P1_212410_139074	NW_004516264.1	Scaffold913	139074	TT	GG	1940473486
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SNP_P1_212414_140587	NW_004516264.1	Scaffold913	140587	TT	CC	1940473490
SNP_P1_212415_140658	NW_004516264.1	Scaffold913	140658	GG	AA	1940473491
SNP_P1_212417_140861	NW_004516264.1	Scaffold913	140861	AA	GG	1940473492
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SNP_P1_212419_140863	NW_004516264.1	Scaffold913	140863	GG	AA	1940473494
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SNP_P1_212426_141018	NW_004516264.1	Scaffold913	141018	GG	AA	1940473501
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SNP_P1_212431_141106	NW_004516264.1	Scaffold913	141106	CC	TT	1940473506
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SNP_P1_212433_141147	NW_004516264.1	Scaffold913	141147	TT	AA	1940473508
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SNP_P1_212435_141171	NW_004516264.1	Scaffold913	141171	AA	GG	1940473510
SNP_P1_212436_141192	NW_004516264.1	Scaffold913	141192	TT	CC	1940473511
SNP_P1_212437_141263	NW_004516264.1	Scaffold913	141263	CC	GG	1940473512

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212440_145308	NW_004516264.1	Scaffold913	145308	TT	CC	1940473515
SNP_P1_212441_145314	NW_004516264.1	Scaffold913	145314	GG	TT	1940473516
SNP_P1_212442_145607	NW_004516264.1	Scaffold913	145607	GG	AA	1940473517
SNP_P1_212443_146127	NW_004516264.1	Scaffold913	146127	AA	GG	1940473518
SNP_P1_212446_201966	NW_004516264.1	Scaffold913	201966	TT	CC	1940473519
SNP_P1_212447_201974	NW_004516264.1	Scaffold913	201974	TT	AA	1940473520
SNP_P1_212448_204476	NW_004516264.1	Scaffold913	204476	GG	AA	1940473521
SNP_P1_212449_209262	NW_004516264.1	Scaffold913	209262	AA	TT	1940473522
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SNP_P1_212452_218856	NW_004516264.1	Scaffold913	218856	GG	TT	1940473524
SNP_P1_212453_220005	NW_004516264.1	Scaffold913	220005	CC	TT	1940473525
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SNP_P1_212456_221954	NW_004516264.1	Scaffold913	221954	TT	CC	1940473527
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SNP_P1_212467_251775	NW_004516264.1	Scaffold913	251775	GG	AA	1940473537
SNP_P1_212468_251781	NW_004516264.1	Scaffold913	251781	AA	GG	1940473538
SNP_P1_212469_251868	NW_004516264.1	Scaffold913	251868	CC	TT	1940473539
SNP_P1_212470_251874	NW_004516264.1	Scaffold913	251874	AA	TT	1940473540
SNP_P1_212473_252036	NW_004516264.1	Scaffold913	252036	AA	GG	1940473541
SNP_P1_212477_269226	NW_004516264.1	Scaffold913	269226	GG	AA	1940473542
SNP_P1_212478_275788	NW_004516264.1	Scaffold913	275788	CC	TT	1940473543
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SNP_P1_212481_276128	NW_004516264.1	Scaffold913	276128	AA	GG	1940473547
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SNP_P1_212490_304705	NW_004516264.1	Scaffold913	304705	AA	GG	1940473553
SNP_P1_212491_304706	NW_004516264.1	Scaffold913	304706	TT	CC	1940473554
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212495_306407	NW_004516264.1	Scaffold913	306407	TT	CC	1940473558
SNP_P1_212496_306476	NW_004516264.1	Scaffold913	306476	AA	TT	1940473559
SNP_P1_212497_306800	NW_004516264.1	Scaffold913	306800	CC	TT	1940473560
SNP_P1_212498_306850	NW_004516264.1	Scaffold913	306850	AA	TT	1940473561
SNP_P1_212499_310132	NW_004516264.1	Scaffold913	310132	TT	CC	1940473562
SNP_P1_212500_310138	NW_004516264.1	Scaffold913	310138	CC	GG	1940473563
SNP_P1_212501_310156	NW_004516264.1	Scaffold913	310156	GG	AA	1940473564
SNP_P1_212502_310310	NW_004516264.1	Scaffold913	310310	AA	GG	1940473565
SNP_P1_212503_312205	NW_004516264.1	Scaffold913	312205	CC	TT	1940473566
SNP_P1_212504_318698	NW_004516264.1	Scaffold913	318698	GG	AA	1940473567
SNP_P1_212505_318800	NW_004516264.1	Scaffold913	318800	GG	TT	1940473568
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SNP_P1_212508_320556	NW_004516264.1	Scaffold913	320556	AA	GG	1940473571
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SNP_P1_212510_321030	NW_004516264.1	Scaffold913	321030	GG	TT	1940473573
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SNP_P1_212524_9374	NW_004516265.1	Scaffold914	9374	CC	AA	1940473587
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SNP_P1_212530_20806	NW_004516265.1	Scaffold914	20806	TT	GG	1940473593
SNP_P1_212531_21011	NW_004516265.1	Scaffold914	21011	AA	CC	1940473594
SNP_P1_212532_21033	NW_004516265.1	Scaffold914	21033	TT	GG	1940473595
SNP_P1_212533_21041	NW_004516265.1	Scaffold914	21041	TT	CC	1940473596
SNP_P1_212534_21043	NW_004516265.1	Scaffold914	21043	TT	CC	1940473597

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212537_27865	NW_004516265.1	Scaffold914	27865	TT	GG	1940473600
SNP_P1_212538_31424	NW_004516265.1	Scaffold914	31424	AA	GG	1940473601
SNP_P1_212539_31748	NW_004516265.1	Scaffold914	31748	AA	GG	1940473602
SNP_P1_212540_31754	NW_004516265.1	Scaffold914	31754	GG	AA	1940473603
SNP_P1_212541_31763	NW_004516265.1	Scaffold914	31763	AA	CC	1940473604
SNP_P1_212542_31814	NW_004516265.1	Scaffold914	31814	GG	AA	1940473605
SNP_P1_212543_32509	NW_004516265.1	Scaffold914	32509	CC	AA	1940473606
SNP_P1_212544_32720	NW_004516265.1	Scaffold914	32720	AA	GG	1940473607
SNP_P1_212545_34454	NW_004516265.1	Scaffold914	34454	AA	GG	1940473608
SNP_P1_212546_39458	NW_004516265.1	Scaffold914	39458	TT	CC	1940473609
SNP_P1_212547_41454	NW_004516265.1	Scaffold914	41454	AA	GG	1940473610
SNP_P1_212548_41459	NW_004516265.1	Scaffold914	41459	TT	CC	1940473611
SNP_P1_212549_48856	NW_004516265.1	Scaffold914	48856	GG	AA	1940473612
SNP_P1_212550_100580	NW_004516265.1	Scaffold914	100580	TT	CC	1940473613
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SNP_P1_212552_101014	NW_004516265.1	Scaffold914	101014	TT	CC	1940473615
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SNP_P1_212555_122169	NW_004516265.1	Scaffold914	122169	GG	AA	1940473618
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SNP_P1_212565_425	NW_004516266.1	Scaffold916	425	TT	CC	1940473627
SNP_P1_212566_594	NW_004516266.1	Scaffold916	594	GG	AA	1940473628
SNP_P1_212567_708	NW_004516266.1	Scaffold916	708	TT	CC	1940473629
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SNP_P1_212569_3203	NW_004516266.1	Scaffold916	3203	GG	TT	1940473631
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SNP_P1_212576_4188	NW_004516266.1	Scaffold916	4188	CC	TT	1940473636
SNP_P1_212577_4225	NW_004516266.1	Scaffold916	4225	GG	AA	1940473637
SNP_P1_212578_4266	NW_004516266.1	Scaffold916	4266	AA	GG	1940473638
SNP_P1_212581_4440	NW_004516266.1	Scaffold916	4440	GG	TT	1940473639

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212585_4710	NW_004516266.1	Scaffold916	4710	TT	GG	1940473642
SNP_P1_212586_4719	NW_004516266.1	Scaffold916	4719	GG	AA	1940473643
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SNP_P1_212590_4935	NW_004516266.1	Scaffold916	4935	AA	GG	1940473645
SNP_P1_212591_5095	NW_004516266.1	Scaffold916	5095	CC	TT	1940473646
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SNP_P1_212596_7592	NW_004516266.1	Scaffold916	7592	TT	GG	1940473650
SNP_P1_212597_7634	NW_004516266.1	Scaffold916	7634	AA	GG	1940473651
SNP_P1_212598_7636	NW_004516266.1	Scaffold916	7636	TT	AA	1940473652
SNP_P1_212599_7654	NW_004516266.1	Scaffold916	7654	CC	AA	1940473653
SNP_P1_212600_7675	NW_004516266.1	Scaffold916	7675	TT	CC	1940473654
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SNP_P1_212616_8393	NW_004516266.1	Scaffold916	8393	TT	CC	1940473666
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SNP_P1_212629_8605	NW_004516266.1	Scaffold916	8605	TT	AA	1940473679
SNP_P1_212630_8608	NW_004516266.1	Scaffold916	8608	TT	AA	1940473680
SNP_P1_212631_8684	NW_004516266.1	Scaffold916	8684	CC	TT	1940473681

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212635_8802	NW_004516266.1	Scaffold916	8802	CC	TT	1940473686
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SNP_P1_212637_8819	NW_004516266.1	Scaffold916	8819	CC	GG	1940473688
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SNP_P1_212640_8833	NW_004516266.1	Scaffold916	8833	GG	TT	1940473691
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SNP_P1_212642_8977	NW_004516266.1	Scaffold916	8977	CC	AA	1940473693
SNP_P1_212643_8979	NW_004516266.1	Scaffold916	8979	AA	CC	1940473694
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SNP_P1_212681_31658	NW_004516266.1	Scaffold916	31658	TT	CC	1940473724

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_212682_41693	NW_004516266.1	Scaffold916	41693	AA	TT	1940473725
SNP_P1_212683_45368	NW_004516266.1	Scaffold916	45368	CC	AA	1940473726
SNP_P1_212684_80628	NW_004516266.1	Scaffold916	80628	AA	GG	1940473727
SNP_P1_212685_90606	NW_004516266.1	Scaffold916	90606	TT	AA	1940473728
SNP_P1_212686_100790	NW_004516266.1	Scaffold916	100790	GG	TT	1940473729
SNP_P1_212687_101030	NW_004516266.1	Scaffold916	101030	AA	GG	1940473730
SNP_P1_212688_101127	NW_004516266.1	Scaffold916	101127	GG	TT	1940473731
SNP_P1_212690_101459	NW_004516266.1	Scaffold916	101459	TT	AA	1940473732
SNP_P1_212691_101861	NW_004516266.1	Scaffold916	101861	TT	AA	1940473733
SNP_P1_212692_105262	NW_004516266.1	Scaffold916	105262	TT	AA	1940473734
SNP_P1_212693_105293	NW_004516266.1	Scaffold916	105293	TT	CC	1940473735
SNP_P1_212694_105342	NW_004516266.1	Scaffold916	105342	GG	AA	1940473736
SNP_P1_212695_105768	NW_004516266.1	Scaffold916	105768	AA	GG	1940473737
SNP_P1_212696_108155	NW_004516266.1	Scaffold916	108155	GG	AA	1940473738
SNP_P1_212697_108169	NW_004516266.1	Scaffold916	108169	CC	AA	1940473739
SNP_P1_212699_111188	NW_004516266.1	Scaffold916	111188	TT	AA	1940473740
SNP_P1_212700_114816	NW_004516266.1	Scaffold916	114816	TT	CC	1940473741
SNP_P1_212701_114856	NW_004516266.1	Scaffold916	114856	TT	CC	1940473742
SNP_P1_212702_115184	NW_004516266.1	Scaffold916	115184	AA	GG	1940473743
SNP_P1_212703_115357	NW_004516266.1	Scaffold916	115357	TT	AA	1940473744
SNP_P1_212704_117792	NW_004516266.1	Scaffold916	117792	TT	CC	1940473745
SNP_P1_212705_117863	NW_004516266.1	Scaffold916	117863	CC	AA	1940473746
SNP_P1_212706_117954	NW_004516266.1	Scaffold916	117954	TT	AA	1940473747
SNP_P1_212707_118125	NW_004516266.1	Scaffold916	118125	TT	GG	1940473748
SNP_P1_212708_118151	NW_004516266.1	Scaffold916	118151	TT	AA	1940473749
SNP_P1_212709_118326	NW_004516266.1	Scaffold916	118326	CC	TT	1940473750
SNP_P1_212710_118342	NW_004516266.1	Scaffold916	118342	TT	GG	1940473751
SNP_P1_212711_118356	NW_004516266.1	Scaffold916	118356	TT	CC	1940473752
SNP_P1_212712_122011	NW_004516266.1	Scaffold916	122011	AA	TT	1940473753
SNP_P1_212713_134542	NW_004516266.1	Scaffold916	134542	AA	GG	1940473754
SNP_P1_212715_134938	NW_004516266.1	Scaffold916	134938	CC	TT	1940473755
SNP_P1_212716_134956	NW_004516266.1	Scaffold916	134956	TT	CC	1940473756
SNP_P1_212717_137074	NW_004516266.1	Scaffold916	137074	AA	GG	1940473757
SNP_P1_212718_166040	NW_004516266.1	Scaffold916	166040	TT	CC	1940473758
SNP_P1_212719_166276	NW_004516266.1	Scaffold916	166276	TT	GG	1940473759
SNP_P1_212720_166277	NW_004516266.1	Scaffold916	166277	AA	GG	1940473760
SNP_P1_212721_166294	NW_004516266.1	Scaffold916	166294	CC	TT	1940473761
SNP_P1_212722_166341	NW_004516266.1	Scaffold916	166341	CC	TT	1940473762
SNP_P1_212723_166353	NW_004516266.1	Scaffold916	166353	CC	TT	1940473763
SNP_P1_212724_166399	NW_004516266.1	Scaffold916	166399	TT	GG	1940473764
SNP_P1_212725_166459	NW_004516266.1	Scaffold916	166459	AA	TT	1940473765
SNP_P1_212726_166523	NW_004516266.1	Scaffold916	166523	AA	GG	1940473766

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212728_173719	NW_004516266.1	Scaffold916	173719	GG	TT	1940473768
SNP_P1_212729_174201	NW_004516266.1	Scaffold916	174201	GG	AA	1940473769
SNP_P1_212730_174250	NW_004516266.1	Scaffold916	174250	AA	GG	1940473770
SNP_P1_212731_174254	NW_004516266.1	Scaffold916	174254	TT	GG	1940473771
SNP_P1_212732_174277	NW_004516266.1	Scaffold916	174277	AA	GG	1940473772
SNP_P1_212733_174995	NW_004516266.1	Scaffold916	174995	GG	CC	1940473773
SNP_P1_212734_175064	NW_004516266.1	Scaffold916	175064	AA	GG	1940473774
SNP_P1_212735_177566	NW_004516266.1	Scaffold916	177566	CC	AA	1940473775
SNP_P1_212736_180943	NW_004516266.1	Scaffold916	180943	AA	GG	1940473776
SNP_P1_212737_184762	NW_004516266.1	Scaffold916	184762	GG	AA	1940473777
SNP_P1_212738_186982	NW_004516266.1	Scaffold916	186982	CC	TT	1940473778
SNP_P1_212739_187360	NW_004516266.1	Scaffold916	187360	GG	AA	1940473779
SNP_P1_212740_189532	NW_004516266.1	Scaffold916	189532	GG	CC	1940473780
SNP_P1_212741_191220	NW_004516266.1	Scaffold916	191220	GG	AA	1940473781
SNP_P1_212742_191825	NW_004516266.1	Scaffold916	191825	TT	CC	1940473782
SNP_P1_212743_192252	NW_004516266.1	Scaffold916	192252	GG	AA	1940473783
SNP_P1_212744_202298	NW_004516266.1	Scaffold916	202298	TT	GG	1940473784
SNP_P1_212745_202305	NW_004516266.1	Scaffold916	202305	GG	CC	1940473785
SNP_P1_212746_203760	NW_004516266.1	Scaffold916	203760	GG	AA	1940473786
SNP_P1_212747_264316	NW_004516266.1	Scaffold916	264316	TT	CC	1940473787
SNP_P1_212748_281527	NW_004516266.1	Scaffold916	281527	AA	TT	1940473788
SNP_P1_212750_282444	NW_004516266.1	Scaffold916	282444	AA	CC	1940473789
SNP_P1_212751_283595	NW_004516266.1	Scaffold916	283595	GG	TT	1940473790
SNP_P1_212752_284079	NW_004516266.1	Scaffold916	284079	CC	AA	1940473791
SNP_P1_212753_284179	NW_004516266.1	Scaffold916	284179	TT	GG	1940473792
SNP_P1_212754_284503	NW_004516266.1	Scaffold916	284503	AA	CC	1940473793
SNP_P1_212756_308555	NW_004516266.1	Scaffold916	308555	AA	CC	1940473794
SNP_P1_212757_311891	NW_004516266.1	Scaffold916	311891	TT	CC	1940473795
SNP_P1_212758_322632	NW_004516266.1	Scaffold916	322632	AA	CC	1940473796
SNP_P1_212760_328929	NW_004516266.1	Scaffold916	328929	AA	CC	1940473797
SNP_P1_212761_336642	NW_004516266.1	Scaffold916	336642	AA	GG	1940473798
SNP_P1_212763_342740	NW_004516266.1	Scaffold916	342740	AA	CC	1940473799
SNP_P1_212765_371232	NW_004516266.1	Scaffold916	371232	TT	GG	1940473800
SNP_P1_212766_371234	NW_004516266.1	Scaffold916	371234	AA	CC	1940473801
SNP_P1_212767_408044	NW_004516266.1	Scaffold916	408044	GG	CC	1940473802
SNP_P1_212770_487863	NW_004516266.1	Scaffold916	487863	AA	GG	1940473803
SNP_P1_212771_500415	NW_004516266.1	Scaffold916	500415	AA	CC	1940473804
SNP_P1_212772_500711	NW_004516266.1	Scaffold916	500711	GG	AA	1940473805
SNP_P1_212773_517447	NW_004516266.1	Scaffold916	517447	GG	CC	1940473806
SNP_P1_212774_543843	NW_004516266.1	Scaffold916	543843	GG	AA	1940473807
SNP_P1_212775_562209	NW_004516266.1	Scaffold916	562209	GG	AA	1940473808

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212777_563710	NW_004516266.1	Scaffold916	563710	GG	AA	1940473810
SNP_P1_212778_7273	NW_004516268.1	Scaffold918	7273	CC	TT	1940473811
SNP_P1_212779_12418	NW_004516268.1	Scaffold918	12418	AA	GG	1940473812
SNP_P1_212780_12421	NW_004516268.1	Scaffold918	12421	TT	GG	1940473813
SNP_P1_212781_12650	NW_004516268.1	Scaffold918	12650	TT	CC	1940473814
SNP_P1_212782_13883	NW_004516268.1	Scaffold918	13883	TT	CC	1940473815
SNP_P1_212783_13914	NW_004516268.1	Scaffold918	13914	TT	CC	1940473816
SNP_P1_212784_13926	NW_004516268.1	Scaffold918	13926	TT	AA	1940473817
SNP_P1_212785_13947	NW_004516268.1	Scaffold918	13947	GG	AA	1940473818
SNP_P1_212786_14269	NW_004516268.1	Scaffold918	14269	TT	CC	1940473819
SNP_P1_212787_28720	NW_004516268.1	Scaffold918	28720	AA	TT	1940473820
SNP_P1_212788_28721	NW_004516268.1	Scaffold918	28721	GG	TT	1940473821
SNP_P1_212789_28890	NW_004516268.1	Scaffold918	28890	AA	GG	1940473822
SNP_P1_212790_33844	NW_004516268.1	Scaffold918	33844	AA	GG	1940473823
SNP_P1_212791_33864	NW_004516268.1	Scaffold918	33864	AA	TT	1940473824
SNP_P1_212792_34150	NW_004516268.1	Scaffold918	34150	TT	GG	1940473825
SNP_P1_212793_35734	NW_004516268.1	Scaffold918	35734	CC	AA	1940473826
SNP_P1_212794_36016	NW_004516268.1	Scaffold918	36016	CC	AA	1940473827
SNP_P1_212795_36635	NW_004516268.1	Scaffold918	36635	TT	CC	1940473828
SNP_P1_212796_38455	NW_004516268.1	Scaffold918	38455	TT	CC	1940473829
SNP_P1_212797_39728	NW_004516268.1	Scaffold918	39728	TT	AA	1940473830
SNP_P1_212798_43016	NW_004516268.1	Scaffold918	43016	TT	AA	1940473831
SNP_P1_212799_47838	NW_004516268.1	Scaffold918	47838	AA	CC	1940473832
SNP_P1_212800_49211	NW_004516268.1	Scaffold918	49211	AA	CC	1940473833
SNP_P1_212801_49268	NW_004516268.1	Scaffold918	49268	GG	AA	1940473834
SNP_P1_212803_49319	NW_004516268.1	Scaffold918	49319	AA	CC	1940473835
SNP_P1_212804_8273	NW_004516269.1	Scaffold919	8273	CC	TT	1940473836
SNP_P1_212805_9276	NW_004516269.1	Scaffold919	9276	TT	CC	1940473837
SNP_P1_212806_9693	NW_004516269.1	Scaffold919	9693	TT	GG	1940473838
SNP_P1_212808_9858	NW_004516269.1	Scaffold919	9858	GG	TT	1940473839
SNP_P1_212809_9867	NW_004516269.1	Scaffold919	9867	GG	TT	1940473840
SNP_P1_212810_12976	NW_004516269.1	Scaffold919	12976	TT	AA	1940473841
SNP_P1_212811_12982	NW_004516269.1	Scaffold919	12982	AA	GG	1940473842
SNP_P1_212812_12996	NW_004516269.1	Scaffold919	12996	AA	GG	1940473843
SNP_P1_212813_13003	NW_004516269.1	Scaffold919	13003	AA	GG	1940473844
SNP_P1_212814_13008	NW_004516269.1	Scaffold919	13008	AA	GG	1940473846
SNP_P1_212815_13221	NW_004516269.1	Scaffold919	13221	TT	CC	1940473847
SNP_P1_212816_13365	NW_004516269.1	Scaffold919	13365	GG	AA	1940473848
SNP_P1_212817_13410	NW_004516269.1	Scaffold919	13410	TT	CC	1940473849
SNP_P1_212818_13416	NW_004516269.1	Scaffold919	13416	AA	TT	1940473850
SNP_P1_212819_13437	NW_004516269.1	Scaffold919	13437	GG	AA	1940473851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212822_13497	NW_004516269.1	Scaffold919	13497	TT	CC	1940473853
SNP_P1_212823_14322	NW_004516269.1	Scaffold919	14322	GG	AA	1940473854
SNP_P1_212824_14694	NW_004516269.1	Scaffold919	14694	CC	AA	1940473855
SNP_P1_212825_24151	NW_004516269.1	Scaffold919	24151	GG	TT	1940473856
SNP_P1_212826_24155	NW_004516269.1	Scaffold919	24155	AA	CC	1940473857
SNP_P1_212827_24194	NW_004516269.1	Scaffold919	24194	GG	AA	1940473858
SNP_P1_212828_24221	NW_004516269.1	Scaffold919	24221	AA	GG	1940473859
SNP_P1_212829_55370	NW_004516269.1	Scaffold919	55370	AA	TT	1940473860
SNP_P1_212830_55383	NW_004516269.1	Scaffold919	55383	TT	CC	1940473861
SNP_P1_212831_55429	NW_004516269.1	Scaffold919	55429	GG	AA	1940473862
SNP_P1_212832_55430	NW_004516269.1	Scaffold919	55430	CC	TT	1940473863
SNP_P1_212833_63521	NW_004516269.1	Scaffold919	63521	TT	CC	1940473864
SNP_P1_212834_69950	NW_004516269.1	Scaffold919	69950	AA	GG	1940473865
SNP_P1_212836_73642	NW_004516269.1	Scaffold919	73642	TT	CC	1940473866
SNP_P1_212837_73711	NW_004516269.1	Scaffold919	73711	GG	AA	1940473867
SNP_P1_212838_73713	NW_004516269.1	Scaffold919	73713	CC	AA	1940473868
SNP_P1_212839_73745	NW_004516269.1	Scaffold919	73745	AA	GG	1940473869
SNP_P1_212840_73747	NW_004516269.1	Scaffold919	73747	AA	GG	1940473870
SNP_P1_212841_73750	NW_004516269.1	Scaffold919	73750	AA	GG	1940473871
SNP_P1_212842_73753	NW_004516269.1	Scaffold919	73753	CC	TT	1940473872
SNP_P1_212843_80150	NW_004516269.1	Scaffold919	80150	AA	GG	1940473873
SNP_P1_212844_83807	NW_004516269.1	Scaffold919	83807	GG	AA	1940473874
SNP_P1_212846_85118	NW_004516269.1	Scaffold919	85118	GG	AA	1940473875
SNP_P1_212847_85126	NW_004516269.1	Scaffold919	85126	TT	CC	1940473876
SNP_P1_212848_85131	NW_004516269.1	Scaffold919	85131	CC	TT	1940473877
SNP_P1_212849_85144	NW_004516269.1	Scaffold919	85144	GG	AA	1940473878
SNP_P1_212850_85150	NW_004516269.1	Scaffold919	85150	GG	AA	1940473879
SNP_P1_212851_94032	NW_004516269.1	Scaffold919	94032	CC	GG	1940473880
SNP_P1_212852_94141	NW_004516269.1	Scaffold919	94141	AA	TT	1940473881
SNP_P1_212853_94142	NW_004516269.1	Scaffold919	94142	TT	GG	1940473882
SNP_P1_212854_94349	NW_004516269.1	Scaffold919	94349	CC	TT	1940473883
SNP_P1_212855_94425	NW_004516269.1	Scaffold919	94425	AA	GG	1940473884
SNP_P1_212856_96010	NW_004516269.1	Scaffold919	96010	GG	AA	1940473885
SNP_P1_212857_97912	NW_004516269.1	Scaffold919	97912	TT	CC	1940473886
SNP_P1_212858_102467	NW_004516269.1	Scaffold919	102467	CC	AA	1940473887
SNP_P1_212859_102473	NW_004516269.1	Scaffold919	102473	GG	AA	1940473888
SNP_P1_212860_102474	NW_004516269.1	Scaffold919	102474	AA	GG	1940473889
SNP_P1_212861_113504	NW_004516269.1	Scaffold919	113504	CC	AA	1940473890
SNP_P1_212862_114007	NW_004516269.1	Scaffold919	114007	AA	GG	1940473891
SNP_P1_212863_114021	NW_004516269.1	Scaffold919	114021	TT	CC	1940473892
SNP_P1_212864_114034	NW_004516269.1	Scaffold919	114034	TT	AA	1940473893

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212866_114264	NW_004516269.1	Scaffold919	114264	GG	AA	1940473895
SNP_P1_212867_114384	NW_004516269.1	Scaffold919	114384	AA	TT	1940473896
SNP_P1_212868_114410	NW_004516269.1	Scaffold919	114410	AA	GG	1940473897
SNP_P1_212869_114659	NW_004516269.1	Scaffold919	114659	AA	GG	1940473898
SNP_P1_212870_114664	NW_004516269.1	Scaffold919	114664	AA	GG	1940473899
SNP_P1_212871_114684	NW_004516269.1	Scaffold919	114684	GG	AA	1940473900
SNP_P1_212872_115023	NW_004516269.1	Scaffold919	115023	GG	AA	1940473901
SNP_P1_212873_115057	NW_004516269.1	Scaffold919	115057	CC	TT	1940473902
SNP_P1_212874_115127	NW_004516269.1	Scaffold919	115127	TT	CC	1940473903
SNP_P1_212875_115139	NW_004516269.1	Scaffold919	115139	TT	GG	1940473904
SNP_P1_212876_115152	NW_004516269.1	Scaffold919	115152	AA	GG	1940473905
SNP_P1_212877_115180	NW_004516269.1	Scaffold919	115180	GG	TT	1940473906
SNP_P1_212878_115208	NW_004516269.1	Scaffold919	115208	AA	GG	1940473907
SNP_P1_212879_115383	NW_004516269.1	Scaffold919	115383	GG	AA	1940473908
SNP_P1_212880_116133	NW_004516269.1	Scaffold919	116133	TT	AA	1940473909
SNP_P1_212881_116141	NW_004516269.1	Scaffold919	116141	CC	AA	1940473910
SNP_P1_212882_116163	NW_004516269.1	Scaffold919	116163	CC	TT	1940473911
SNP_P1_212883_116176	NW_004516269.1	Scaffold919	116176	AA	CC	1940473912
SNP_P1_212884_116180	NW_004516269.1	Scaffold919	116180	AA	GG	1940473913
SNP_P1_212885_116210	NW_004516269.1	Scaffold919	116210	CC	TT	1940473914
SNP_P1_212886_116221	NW_004516269.1	Scaffold919	116221	TT	CC	1940473915
SNP_P1_212887_116238	NW_004516269.1	Scaffold919	116238	GG	TT	1940473916
SNP_P1_212888_116444	NW_004516269.1	Scaffold919	116444	GG	AA	1940473917
SNP_P1_212889_116592	NW_004516269.1	Scaffold919	116592	AA	GG	1940473918
SNP_P1_212890_117976	NW_004516269.1	Scaffold919	117976	CC	TT	1940473919
SNP_P1_212891_125597	NW_004516269.1	Scaffold919	125597	AA	TT	1940473920
SNP_P1_212892_151618	NW_004516269.1	Scaffold919	151618	TT	CC	1940473921
SNP_P1_212893_151642	NW_004516269.1	Scaffold919	151642	AA	GG	1940473922
SNP_P1_212894_172698	NW_004516269.1	Scaffold919	172698	TT	CC	1940473923
SNP_P1_212895_173036	NW_004516269.1	Scaffold919	173036	TT	CC	1940473924
SNP_P1_212896_173070	NW_004516269.1	Scaffold919	173070	TT	AA	1940473925
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SNP_P1_212898_180892	NW_004516269.1	Scaffold919	180892	TT	AA	1940473927
SNP_P1_212899_180894	NW_004516269.1	Scaffold919	180894	AA	CC	1940473928
SNP_P1_212900_182961	NW_004516269.1	Scaffold919	182961	GG	AA	1940473929
SNP_P1_212901_182967	NW_004516269.1	Scaffold919	182967	AA	GG	1940473930
SNP_P1_212902_182983	NW_004516269.1	Scaffold919	182983	CC	TT	1940473931
SNP_P1_212903_183216	NW_004516269.1	Scaffold919	183216	GG	AA	1940473932
SNP_P1_212904_183246	NW_004516269.1	Scaffold919	183246	AA	TT	1940473933
SNP_P1_212906_183458	NW_004516269.1	Scaffold919	183458	AA	CC	1940473934
SNP_P1_212907_183495	NW_004516269.1	Scaffold919	183495	CC	TT	1940473935

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212909_183509	NW_004516269.1	Scaffold919	183509	TT	CC	1940473937
SNP_P1_212910_183514	NW_004516269.1	Scaffold919	183514	AA	GG	1940473938
SNP_P1_212911_183543	NW_004516269.1	Scaffold919	183543	GG	AA	1940473939
SNP_P1_212912_183549	NW_004516269.1	Scaffold919	183549	CC	TT	1940473940
SNP_P1_212913_183566	NW_004516269.1	Scaffold919	183566	TT	AA	1940473941
SNP_P1_212914_183606	NW_004516269.1	Scaffold919	183606	AA	GG	1940473942
SNP_P1_212915_183638	NW_004516269.1	Scaffold919	183638	AA	GG	1940473943
SNP_P1_212917_186117	NW_004516269.1	Scaffold919	186117	GG	AA	1940473944
SNP_P1_212918_186123	NW_004516269.1	Scaffold919	186123	GG	AA	1940473945
SNP_P1_212919_186192	NW_004516269.1	Scaffold919	186192	TT	CC	1940473946
SNP_P1_212920_186195	NW_004516269.1	Scaffold919	186195	TT	CC	1940473947
SNP_P1_212921_186231	NW_004516269.1	Scaffold919	186231	GG	AA	1940473948
SNP_P1_212922_186237	NW_004516269.1	Scaffold919	186237	GG	AA	1940473949
SNP_P1_212923_186250	NW_004516269.1	Scaffold919	186250	CC	TT	1940473950
SNP_P1_212924_186261	NW_004516269.1	Scaffold919	186261	AA	TT	1940473951
SNP_P1_212925_186288	NW_004516269.1	Scaffold919	186288	TT	AA	1940473952
SNP_P1_212926_186303	NW_004516269.1	Scaffold919	186303	TT	AA	1940473953
SNP_P1_212927_186321	NW_004516269.1	Scaffold919	186321	TT	AA	1940473954
SNP_P1_212928_186333	NW_004516269.1	Scaffold919	186333	TT	AA	1940473955
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SNP_P1_212930_186345	NW_004516269.1	Scaffold919	186345	TT	CC	1940473957
SNP_P1_212931_186351	NW_004516269.1	Scaffold919	186351	CC	TT	1940473958
SNP_P1_212932_186469	NW_004516269.1	Scaffold919	186469	CC	AA	1940473959
SNP_P1_212933_186532	NW_004516269.1	Scaffold919	186532	TT	CC	1940473960
SNP_P1_212934_186535	NW_004516269.1	Scaffold919	186535	GG	AA	1940473961
SNP_P1_212935_186547	NW_004516269.1	Scaffold919	186547	TT	GG	1940473962
SNP_P1_212936_186554	NW_004516269.1	Scaffold919	186554	GG	AA	1940473963
SNP_P1_212937_186562	NW_004516269.1	Scaffold919	186562	AA	GG	1940473964
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SNP_P1_212939_186586	NW_004516269.1	Scaffold919	186586	TT	AA	1940473966
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SNP_P1_212941_186608	NW_004516269.1	Scaffold919	186608	CC	AA	1940473968
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SNP_P1_212943_187093	NW_004516269.1	Scaffold919	187093	TT	CC	1940473970
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SNP_P1_212945_187203	NW_004516269.1	Scaffold919	187203	TT	CC	1940473972
SNP_P1_212946_187982	NW_004516269.1	Scaffold919	187982	GG	AA	1940473973
SNP_P1_212947_188418	NW_004516269.1	Scaffold919	188418	CC	TT	1940473974
SNP_P1_212948_188597	NW_004516269.1	Scaffold919	188597	GG	AA	1940473975
SNP_P1_212949_188999	NW_004516269.1	Scaffold919	188999	CC	GG	1940473976
SNP_P1_212950_189032	NW_004516269.1	Scaffold919	189032	CC	TT	1940473977

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_212953_190192	NW_004516269.1	Scaffold919	190192	TT	CC	1940473980
SNP_P1_212954_190204	NW_004516269.1	Scaffold919	190204	AA	GG	1940473981
SNP_P1_212955_190407	NW_004516269.1	Scaffold919	190407	CC	TT	1940473982
SNP_P1_212956_190429	NW_004516269.1	Scaffold919	190429	AA	CC	1940473983
SNP_P1_212957_190621	NW_004516269.1	Scaffold919	190621	AA	TT	1940473984
SNP_P1_212958_193432	NW_004516269.1	Scaffold919	193432	GG	AA	1940473985
SNP_P1_212959_193756	NW_004516269.1	Scaffold919	193756	TT	AA	1940473986
SNP_P1_212960_194034	NW_004516269.1	Scaffold919	194034	CC	TT	1940473987
SNP_P1_212961_194083	NW_004516269.1	Scaffold919	194083	AA	GG	1940473988
SNP_P1_212962_194117	NW_004516269.1	Scaffold919	194117	TT	AA	1940473989
SNP_P1_212963_194706	NW_004516269.1	Scaffold919	194706	CC	TT	1940473990
SNP_P1_212964_194808	NW_004516269.1	Scaffold919	194808	AA	TT	1940473991
SNP_P1_212965_240131	NW_004516269.1	Scaffold919	240131	AA	GG	1940473992
SNP_P1_212966_254236	NW_004516269.1	Scaffold919	254236	AA	GG	1940473993
SNP_P1_212967_254243	NW_004516269.1	Scaffold919	254243	GG	AA	1940473994
SNP_P1_212968_254267	NW_004516269.1	Scaffold919	254267	CC	TT	1940473995
SNP_P1_212970_254301	NW_004516269.1	Scaffold919	254301	AA	GG	1940473996
SNP_P1_212971_259211	NW_004516269.1	Scaffold919	259211	GG	TT	1940473997
SNP_P1_212972_267702	NW_004516269.1	Scaffold919	267702	GG	AA	1940473998
SNP_P1_212973_301538	NW_004516269.1	Scaffold919	301538	TT	AA	1940473999
SNP_P1_212974_301572	NW_004516269.1	Scaffold919	301572	GG	AA	1940474000
SNP_P1_212975_301622	NW_004516269.1	Scaffold919	301622	TT	AA	1940474001
SNP_P1_212976_301768	NW_004516269.1	Scaffold919	301768	AA	TT	1940474002
SNP_P1_212977_301804	NW_004516269.1	Scaffold919	301804	CC	AA	1940474003
SNP_P1_212978_301855	NW_004516269.1	Scaffold919	301855	TT	CC	1940474004
SNP_P1_212979_301865	NW_004516269.1	Scaffold919	301865	GG	TT	1940474005
SNP_P1_212980_301921	NW_004516269.1	Scaffold919	301921	CC	TT	1940474006
SNP_P1_212981_301928	NW_004516269.1	Scaffold919	301928	GG	AA	1940474007
SNP_P1_212982_301945	NW_004516269.1	Scaffold919	301945	CC	TT	1940474008
SNP_P1_212983_303677	NW_004516269.1	Scaffold919	303677	GG	AA	1940474009
SNP_P1_212984_303953	NW_004516269.1	Scaffold919	303953	CC	TT	1940474010
SNP_P1_212985_304180	NW_004516269.1	Scaffold919	304180	CC	AA	1940474011
SNP_P1_212986_353428	NW_004516269.1	Scaffold919	353428	TT	AA	1940474013
SNP_P1_212987_366840	NW_004516269.1	Scaffold919	366840	TT	GG	1940474014
SNP_P1_212990_416582	NW_004516269.1	Scaffold919	416582	AA	CC	1940474015
SNP_P1_212991_443950	NW_004516269.1	Scaffold919	443950	TT	GG	1940474016
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SNP_P1_212994_505004	NW_004516269.1	Scaffold919	505004	AA	GG	1940474018
SNP_P1_212995_505016	NW_004516269.1	Scaffold919	505016	CC	TT	1940474019
SNP_P1_212996_505422	NW_004516269.1	Scaffold919	505422	TT	CC	1940474020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213001_528765	NW_004516269.1	Scaffold919	528765	TT	CC	1940474023
SNP_P1_213002_528811	NW_004516269.1	Scaffold919	528811	TT	AA	1940474024
SNP_P1_213003_528824	NW_004516269.1	Scaffold919	528824	TT	CC	1940474025
SNP_P1_213004_560400	NW_004516269.1	Scaffold919	560400	CC	AA	1940474026
SNP_P1_213005_560409	NW_004516269.1	Scaffold919	560409	CC	TT	1940474027
SNP_P1_213006_562074	NW_004516269.1	Scaffold919	562074	TT	CC	1940474028
SNP_P1_213007_565496	NW_004516269.1	Scaffold919	565496	AA	GG	1940474029
SNP_P1_213008_565508	NW_004516269.1	Scaffold919	565508	AA	GG	1940474030
SNP_P1_213009_572830	NW_004516269.1	Scaffold919	572830	GG	AA	1940474031
SNP_P1_213010_573056	NW_004516269.1	Scaffold919	573056	TT	GG	1940474032
SNP_P1_213011_573071	NW_004516269.1	Scaffold919	573071	GG	AA	1940474033
SNP_P1_213012_573108	NW_004516269.1	Scaffold919	573108	AA	TT	1940474034
SNP_P1_213013_573118	NW_004516269.1	Scaffold919	573118	TT	CC	1940474035
SNP_P1_213014_573122	NW_004516269.1	Scaffold919	573122	GG	TT	1940474036
SNP_P1_213015_573127	NW_004516269.1	Scaffold919	573127	AA	TT	1940474037
SNP_P1_213016_573160	NW_004516269.1	Scaffold919	573160	AA	TT	1940474038
SNP_P1_213017_573177	NW_004516269.1	Scaffold919	573177	TT	CC	1940474039
SNP_P1_213018_573183	NW_004516269.1	Scaffold919	573183	AA	GG	1940474040
SNP_P1_213019_573199	NW_004516269.1	Scaffold919	573199	TT	CC	1940474041
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SNP_P1_213024_589702	NW_004516269.1	Scaffold919	589702	GG	AA	1940474044
SNP_P1_213025_589907	NW_004516269.1	Scaffold919	589907	TT	AA	1940474045
SNP_P1_213026_589908	NW_004516269.1	Scaffold919	589908	TT	CC	1940474046
SNP_P1_213027_589944	NW_004516269.1	Scaffold919	589944	AA	GG	1940474047
SNP_P1_213028_591156	NW_004516269.1	Scaffold919	591156	AA	CC	1940474048
SNP_P1_213029_591533	NW_004516269.1	Scaffold919	591533	GG	AA	1940474049
SNP_P1_213030_597936	NW_004516269.1	Scaffold919	597936	AA	GG	1940474050
SNP_P1_213031_598441	NW_004516269.1	Scaffold919	598441	CC	AA	1940474051
SNP_P1_213032_598458	NW_004516269.1	Scaffold919	598458	AA	GG	1940474052
SNP_P1_213033_603168	NW_004516269.1	Scaffold919	603168	TT	CC	1940474053
SNP_P1_213034_603330	NW_004516269.1	Scaffold919	603330	TT	CC	1940474054
SNP_P1_213035_608761	NW_004516269.1	Scaffold919	608761	AA	CC	1940474055
SNP_P1_213036_608776	NW_004516269.1	Scaffold919	608776	CC	TT	1940474056
SNP_P1_213037_628064	NW_004516269.1	Scaffold919	628064	AA	CC	1940474057
SNP_P1_213038_628091	NW_004516269.1	Scaffold919	628091	TT	CC	1940474058
SNP_P1_213039_628123	NW_004516269.1	Scaffold919	628123	TT	CC	1940474059
SNP_P1_213040_634601	NW_004516269.1	Scaffold919	634601	CC	GG	1940474060
SNP_P1_213041_634607	NW_004516269.1	Scaffold919	634607	CC	AA	1940474061
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213044_634818	NW_004516269.1	Scaffold919	634818	CC	TT	1940474064
SNP_P1_213045_634824	NW_004516269.1	Scaffold919	634824	CC	TT	1940474065
SNP_P1_213046_635203	NW_004516269.1	Scaffold919	635203	TT	CC	1940474066
SNP_P1_213047_640147	NW_004516269.1	Scaffold919	640147	AA	GG	1940474067
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SNP_P1_213050_673261	NW_004516269.1	Scaffold919	673261	CC	AA	1940474070
SNP_P1_213051_673293	NW_004516269.1	Scaffold919	673293	TT	CC	1940474071
SNP_P1_213053_673659	NW_004516269.1	Scaffold919	673659	TT	AA	1940474072
SNP_P1_213054_681578	NW_004516269.1	Scaffold919	681578	TT	GG	1940474073
SNP_P1_213055_682336	NW_004516269.1	Scaffold919	682336	TT	GG	1940474074
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SNP_P1_213057_696790	NW_004516269.1	Scaffold919	696790	GG	TT	1940474076
SNP_P1_213058_696804	NW_004516269.1	Scaffold919	696804	CC	TT	1940474077
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SNP_P1_213060_724477	NW_004516269.1	Scaffold919	724477	CC	TT	1940474079
SNP_P1_213061_724492	NW_004516269.1	Scaffold919	724492	AA	TT	1940474080
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SNP_P1_213065_13448	NW_004516271.1	Scaffold922	13448	AA	CC	1940474084
SNP_P1_213066_13475	NW_004516271.1	Scaffold922	13475	AA	TT	1940474085
SNP_P1_213067_13477	NW_004516271.1	Scaffold922	13477	AA	GG	1940474086
SNP_P1_213068_13864	NW_004516271.1	Scaffold922	13864	AA	TT	1940474087
SNP_P1_213069_19267	NW_004516271.1	Scaffold922	19267	TT	CC	1940474088
SNP_P1_213070_21451	NW_004516271.1	Scaffold922	21451	AA	GG	1940474089
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SNP_P1_213072_21489	NW_004516271.1	Scaffold922	21489	AA	GG	1940474091
SNP_P1_213073_21514	NW_004516271.1	Scaffold922	21514	TT	CC	1940474092
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SNP_P1_213075_22347	NW_004516271.1	Scaffold922	22347	AA	GG	1940474094
SNP_P1_213077_40629	NW_004516271.1	Scaffold922	40629	AA	CC	1940474095
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SNP_P1_213079_41033	NW_004516271.1	Scaffold922	41033	AA	GG	1940474097
SNP_P1_213080_41035	NW_004516271.1	Scaffold922	41035	TT	CC	1940474098
SNP_P1_213082_60505	NW_004516271.1	Scaffold922	60505	GG	AA	1940474099
SNP_P1_213083_60508	NW_004516271.1	Scaffold922	60508	AA	GG	1940474100
SNP_P1_213084_60512	NW_004516271.1	Scaffold922	60512	TT	CC	1940474101
SNP_P1_213085_60529	NW_004516271.1	Scaffold922	60529	GG	AA	1940474102
SNP_P1_213086_60546	NW_004516271.1	Scaffold922	60546	AA	GG	1940474103
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213092_96720	NW_004516271.1	Scaffold922	96720	CC	TT	1940474107
SNP_P1_213093_125274	NW_004516271.1	Scaffold922	125274	TT	CC	1940474108
SNP_P1_213094_132812	NW_004516271.1	Scaffold922	132812	CC	TT	1940474109
SNP_P1_213095_150242	NW_004516271.1	Scaffold922	150242	AA	TT	1940474110
SNP_P1_213096_150254	NW_004516271.1	Scaffold922	150254	AA	CC	1940474111
SNP_P1_213097_153611	NW_004516271.1	Scaffold922	153611	GG	TT	1940474112
SNP_P1_213098_158537	NW_004516271.1	Scaffold922	158537	TT	CC	1940474113
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SNP_P1_213100_158554	NW_004516271.1	Scaffold922	158554	CC	GG	1940474115
SNP_P1_213101_158582	NW_004516271.1	Scaffold922	158582	CC	AA	1940474116
SNP_P1_213103_176297	NW_004516271.1	Scaffold922	176297	TT	CC	1940474117
SNP_P1_213104_178061	NW_004516271.1	Scaffold922	178061	GG	TT	1940474118
SNP_P1_213107_24098	NW_004516272.1	Scaffold924	24098	GG	TT	1940474119
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SNP_P1_213117_81076	NW_004516272.1	Scaffold924	81076	CC	TT	1940474127
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SNP_P1_213119_81135	NW_004516272.1	Scaffold924	81135	TT	CC	1940474129
SNP_P1_213120_81137	NW_004516272.1	Scaffold924	81137	CC	TT	1940474130
SNP_P1_213121_96693	NW_004516272.1	Scaffold924	96693	AA	GG	1940474131
SNP_P1_213122_96740	NW_004516272.1	Scaffold924	96740	TT	CC	1940474132
SNP_P1_213123_97009	NW_004516272.1	Scaffold924	97009	AA	TT	1940474133
SNP_P1_213124_97051	NW_004516272.1	Scaffold924	97051	AA	GG	1940474134
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SNP_P1_213127_120563	NW_004516272.1	Scaffold924	120563	GG	CC	1940474137
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SNP_P1_213129_121533	NW_004516272.1	Scaffold924	121533	TT	CC	1940474139
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SNP_P1_213131_122098	NW_004516272.1	Scaffold924	122098	CC	AA	1940474141
SNP_P1_213132_122104	NW_004516272.1	Scaffold924	122104	CC	AA	1940474142
SNP_P1_213133_122226	NW_004516272.1	Scaffold924	122226	GG	AA	1940474143
SNP_P1_213134_122477	NW_004516272.1	Scaffold924	122477	AA	GG	1940474144
SNP_P1_213135_122674	NW_004516272.1	Scaffold924	122674	GG	AA	1940474145
SNP_P1_213136_151237	NW_004516272.1	Scaffold924	151237	TT	CC	1940474146

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213140_196600	NW_004516272.1	Scaffold924	196600	GG	TT	1940474149
SNP_P1_213142_219503	NW_004516272.1	Scaffold924	219503	TT	CC	1940474150
SNP_P1_213143_219621	NW_004516272.1	Scaffold924	219621	AA	CC	1940474151
SNP_P1_213144_219624	NW_004516272.1	Scaffold924	219624	TT	AA	1940474152
SNP_P1_213145_219669	NW_004516272.1	Scaffold924	219669	TT	AA	1940474153
SNP_P1_213147_225852	NW_004516272.1	Scaffold924	225852	TT	CC	1940474154
SNP_P1_213149_262294	NW_004516272.1	Scaffold924	262294	GG	AA	1940474155
SNP_P1_213150_262311	NW_004516272.1	Scaffold924	262311	CC	AA	1940474156
SNP_P1_213151_262327	NW_004516272.1	Scaffold924	262327	AA	TT	1940474157
SNP_P1_213152_265681	NW_004516272.1	Scaffold924	265681	GG	TT	1940474158
SNP_P1_213153_265805	NW_004516272.1	Scaffold924	265805	TT	GG	1940474159
SNP_P1_213154_265820	NW_004516272.1	Scaffold924	265820	CC	TT	1940474160
SNP_P1_213155_265916	NW_004516272.1	Scaffold924	265916	TT	CC	1940474161
SNP_P1_213156_265931	NW_004516272.1	Scaffold924	265931	AA	GG	1940474162
SNP_P1_213157_265966	NW_004516272.1	Scaffold924	265966	AA	GG	1940474163
SNP_P1_213158_265969	NW_004516272.1	Scaffold924	265969	TT	CC	1940474164
SNP_P1_213159_265975	NW_004516272.1	Scaffold924	265975	TT	CC	1940474165
SNP_P1_213160_265985	NW_004516272.1	Scaffold924	265985	TT	CC	1940474166
SNP_P1_213161_266006	NW_004516272.1	Scaffold924	266006	AA	GG	1940474167
SNP_P1_213162_266026	NW_004516272.1	Scaffold924	266026	CC	TT	1940474168
SNP_P1_213163_266075	NW_004516272.1	Scaffold924	266075	TT	CC	1940474169
SNP_P1_213164_266089	NW_004516272.1	Scaffold924	266089	GG	TT	1940474170
SNP_P1_213165_266104	NW_004516272.1	Scaffold924	266104	TT	CC	1940474171
SNP_P1_213166_266122	NW_004516272.1	Scaffold924	266122	CC	TT	1940474173
SNP_P1_213167_266167	NW_004516272.1	Scaffold924	266167	GG	AA	1940474174
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SNP_P1_213179_8257	NW_004516274.1	Scaffold929	8257	TT	AA	1940474185
SNP_P1_213180_8258	NW_004516274.1	Scaffold929	8258	AA	TT	1940474186
SNP_P1_213181_8284	NW_004516274.1	Scaffold929	8284	TT	CC	1940474187
SNP_P1_213182_8362	NW_004516274.1	Scaffold929	8362	AA	GG	1940474188
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213186_9944	NW_004516274.1	Scaffold929	9944	TT	CC	1940474192
SNP_P1_213187_9945	NW_004516274.1	Scaffold929	9945	AA	GG	1940474193
SNP_P1_213188_10050	NW_004516274.1	Scaffold929	10050	TT	CC	1940474194
SNP_P1_213189_10220	NW_004516274.1	Scaffold929	10220	CC	TT	1940474195
SNP_P1_213190_10228	NW_004516274.1	Scaffold929	10228	AA	GG	1940474196
SNP_P1_213191_10260	NW_004516274.1	Scaffold929	10260	TT	AA	1940474197
SNP_P1_213192_10535	NW_004516274.1	Scaffold929	10535	CC	TT	1940474198
SNP_P1_213193_10795	NW_004516274.1	Scaffold929	10795	AA	GG	1940474199
SNP_P1_213194_10868	NW_004516274.1	Scaffold929	10868	TT	CC	1940474200
SNP_P1_213195_10970	NW_004516274.1	Scaffold929	10970	AA	GG	1940474201
SNP_P1_213196_10999	NW_004516274.1	Scaffold929	10999	TT	CC	1940474202
SNP_P1_213197_11066	NW_004516274.1	Scaffold929	11066	GG	CC	1940474203
SNP_P1_213198_11205	NW_004516274.1	Scaffold929	11205	AA	GG	1940474204
SNP_P1_213199_11243	NW_004516274.1	Scaffold929	11243	AA	GG	1940474205
SNP_P1_213200_11244	NW_004516274.1	Scaffold929	11244	CC	AA	1940474206
SNP_P1_213201_11276	NW_004516274.1	Scaffold929	11276	AA	GG	1940474207
SNP_P1_213202_11304	NW_004516274.1	Scaffold929	11304	TT	CC	1940474208
SNP_P1_213203_11363	NW_004516274.1	Scaffold929	11363	GG	TT	1940474209
SNP_P1_213204_13969	NW_004516274.1	Scaffold929	13969	GG	AA	1940474210
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SNP_P1_213206_15474	NW_004516274.1	Scaffold929	15474	AA	GG	1940474212
SNP_P1_213207_15676	NW_004516274.1	Scaffold929	15676	TT	CC	1940474213
SNP_P1_213208_15688	NW_004516274.1	Scaffold929	15688	AA	CC	1940474214
SNP_P1_213209_15750	NW_004516274.1	Scaffold929	15750	TT	CC	1940474215
SNP_P1_213210_15921	NW_004516274.1	Scaffold929	15921	GG	CC	1940474216
SNP_P1_213211_16031	NW_004516274.1	Scaffold929	16031	GG	TT	1940474217
SNP_P1_213212_16263	NW_004516274.1	Scaffold929	16263	AA	TT	1940474218
SNP_P1_213213_16514	NW_004516274.1	Scaffold929	16514	AA	GG	1940474219
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SNP_P1_213223_17446	NW_004516274.1	Scaffold929	17446	CC	TT	1940474228
SNP_P1_213224_18036	NW_004516274.1	Scaffold929	18036	AA	GG	1940474229
SNP_P1_213226_20978	NW_004516274.1	Scaffold929	20978	AA	GG	1940474230
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213232_44895	NW_004516276.1	Scaffold931	44895	TT	CC	1940474234
SNP_P1_213233_65176	NW_004516276.1	Scaffold931	65176	AA	TT	1940474235
SNP_P1_213234_65351	NW_004516276.1	Scaffold931	65351	TT	CC	1940474236
SNP_P1_213235_65499	NW_004516276.1	Scaffold931	65499	TT	CC	1940474237
SNP_P1_213236_65509	NW_004516276.1	Scaffold931	65509	TT	CC	1940474238
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SNP_P1_213238_65878	NW_004516276.1	Scaffold931	65878	AA	CC	1940474240
SNP_P1_213239_66004	NW_004516276.1	Scaffold931	66004	AA	TT	1940474241
SNP_P1_213240_69605	NW_004516276.1	Scaffold931	69605	TT	CC	1940474242
SNP_P1_213241_69725	NW_004516276.1	Scaffold931	69725	TT	CC	1940474243
SNP_P1_213242_69728	NW_004516276.1	Scaffold931	69728	TT	CC	1940474244
SNP_P1_213243_69747	NW_004516276.1	Scaffold931	69747	AA	GG	1940474245
SNP_P1_213244_85756	NW_004516276.1	Scaffold931	85756	GG	TT	1940474246
SNP_P1_213245_88351	NW_004516276.1	Scaffold931	88351	CC	AA	1940474247
SNP_P1_213246_97993	NW_004516276.1	Scaffold931	97993	CC	AA	1940474248
SNP_P1_213247_100555	NW_004516276.1	Scaffold931	100555	CC	GG	1940474249
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SNP_P1_213257_103058	NW_004516276.1	Scaffold931	103058	TT	GG	1940474257
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SNP_P1_213272_112328	NW_004516276.1	Scaffold931	112328	TT	CC	1940474272
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213287_114126	NW_004516276.1	Scaffold931	114126	CC	GG	1940474287
SNP_P1_213288_114139	NW_004516276.1	Scaffold931	114139	TT	CC	1940474288
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SNP_P1_213318_117429	NW_004516276.1	Scaffold931	117429	CC	GG	1940474314
SNP_P1_213319_117441	NW_004516276.1	Scaffold931	117441	GG	AA	1940474315
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213325_117547	NW_004516276.1	Scaffold931	117547	CC	AA	1940474321
SNP_P1_213326_117553	NW_004516276.1	Scaffold931	117553	GG	TT	1940474322
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SNP_P1_213332_117736	NW_004516276.1	Scaffold931	117736	AA	CC	1940474328
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SNP_P1_213334_117776	NW_004516276.1	Scaffold931	117776	AA	GG	1940474330
SNP_P1_213336_118368	NW_004516276.1	Scaffold931	118368	CC	AA	1940474331
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SNP_P1_213344_118997	NW_004516276.1	Scaffold931	118997	CC	TT	1940474339
SNP_P1_213345_119035	NW_004516276.1	Scaffold931	119035	AA	GG	1940474340
SNP_P1_213346_124563	NW_004516276.1	Scaffold931	124563	GG	AA	1940474341
SNP_P1_213347_124564	NW_004516276.1	Scaffold931	124564	CC	TT	1940474342
SNP_P1_213348_124652	NW_004516276.1	Scaffold931	124652	TT	CC	1940474343
SNP_P1_213349_125020	NW_004516276.1	Scaffold931	125020	AA	CC	1940474344
SNP_P1_213350_125029	NW_004516276.1	Scaffold931	125029	CC	TT	1940474345
SNP_P1_213351_125061	NW_004516276.1	Scaffold931	125061	TT	CC	1940474346
SNP_P1_213352_125129	NW_004516276.1	Scaffold931	125129	CC	TT	1940474347
SNP_P1_213353_125352	NW_004516276.1	Scaffold931	125352	AA	GG	1940474348
SNP_P1_213354_125391	NW_004516276.1	Scaffold931	125391	TT	AA	1940474349
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SNP_P1_213357_125429	NW_004516276.1	Scaffold931	125429	CC	AA	1940474352
SNP_P1_213358_125464	NW_004516276.1	Scaffold931	125464	AA	GG	1940474353
SNP_P1_213359_125477	NW_004516276.1	Scaffold931	125477	AA	GG	1940474354
SNP_P1_213360_125609	NW_004516276.1	Scaffold931	125609	GG	AA	1940474355
SNP_P1_213361_125660	NW_004516276.1	Scaffold931	125660	AA	GG	1940474356
SNP_P1_213362_125665	NW_004516276.1	Scaffold931	125665	GG	AA	1940474357
SNP_P1_213363_136164	NW_004516276.1	Scaffold931	136164	TT	CC	1940474358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213365_144819	NW_004516276.1	Scaffold931	144819	AA	GG	1940474360
SNP_P1_213366_152307	NW_004516276.1	Scaffold931	152307	AA	GG	1940474361
SNP_P1_213367_152584	NW_004516276.1	Scaffold931	152584	GG	AA	1940474362
SNP_P1_213368_152621	NW_004516276.1	Scaffold931	152621	CC	GG	1940474363
SNP_P1_213369_152664	NW_004516276.1	Scaffold931	152664	GG	AA	1940474364
SNP_P1_213370_152694	NW_004516276.1	Scaffold931	152694	CC	TT	1940474365
SNP_P1_213371_152753	NW_004516276.1	Scaffold931	152753	CC	TT	1940474366
SNP_P1_213372_152793	NW_004516276.1	Scaffold931	152793	GG	TT	1940474367
SNP_P1_213373_152804	NW_004516276.1	Scaffold931	152804	AA	GG	1940474368
SNP_P1_213374_152845	NW_004516276.1	Scaffold931	152845	TT	CC	1940474369
SNP_P1_213375_152864	NW_004516276.1	Scaffold931	152864	AA	TT	1940474370
SNP_P1_213376_152871	NW_004516276.1	Scaffold931	152871	CC	TT	1940474371
SNP_P1_213377_152991	NW_004516276.1	Scaffold931	152991	AA	GG	1940474372
SNP_P1_213378_152998	NW_004516276.1	Scaffold931	152998	AA	GG	1940474373
SNP_P1_213379_153003	NW_004516276.1	Scaffold931	153003	GG	TT	1940474374
SNP_P1_213380_154301	NW_004516276.1	Scaffold931	154301	GG	TT	1940474375
SNP_P1_213381_154416	NW_004516276.1	Scaffold931	154416	TT	CC	1940474376
SNP_P1_213382_154435	NW_004516276.1	Scaffold931	154435	CC	TT	1940474377
SNP_P1_213383_154498	NW_004516276.1	Scaffold931	154498	CC	GG	1940474378
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SNP_P1_213386_154545	NW_004516276.1	Scaffold931	154545	GG	AA	1940474381
SNP_P1_213388_154663	NW_004516276.1	Scaffold931	154663	AA	TT	1940474382
SNP_P1_213389_154664	NW_004516276.1	Scaffold931	154664	AA	TT	1940474383
SNP_P1_213390_154714	NW_004516276.1	Scaffold931	154714	CC	TT	1940474384
SNP_P1_213391_154752	NW_004516276.1	Scaffold931	154752	GG	AA	1940474385
SNP_P1_213392_154790	NW_004516276.1	Scaffold931	154790	CC	TT	1940474386
SNP_P1_213394_154963	NW_004516276.1	Scaffold931	154963	CC	TT	1940474387
SNP_P1_213395_154972	NW_004516276.1	Scaffold931	154972	CC	GG	1940474388
SNP_P1_213396_155036	NW_004516276.1	Scaffold931	155036	TT	GG	1940474389
SNP_P1_213397_155056	NW_004516276.1	Scaffold931	155056	AA	GG	1940474390
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SNP_P1_213399_156255	NW_004516276.1	Scaffold931	156255	TT	AA	1940474392
SNP_P1_213400_156449	NW_004516276.1	Scaffold931	156449	TT	CC	1940474393
SNP_P1_213401_156453	NW_004516276.1	Scaffold931	156453	AA	CC	1940474394
SNP_P1_213402_156486	NW_004516276.1	Scaffold931	156486	AA	GG	1940474395
SNP_P1_213403_165480	NW_004516276.1	Scaffold931	165480	CC	TT	1940474396
SNP_P1_213404_166074	NW_004516276.1	Scaffold931	166074	TT	CC	1940474397
SNP_P1_213405_166343	NW_004516276.1	Scaffold931	166343	GG	AA	1940474398
SNP_P1_213406_167037	NW_004516276.1	Scaffold931	167037	GG	TT	1940474399
SNP_P1_213407_167075	NW_004516276.1	Scaffold931	167075	CC	AA	1940474400

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213409_167277	NW_004516276.1	Scaffold931	167277	AA	GG	1940474402
SNP_P1_213410_167347	NW_004516276.1	Scaffold931	167347	GG	AA	1940474403
SNP_P1_213411_167377	NW_004516276.1	Scaffold931	167377	CC	GG	1940474404
SNP_P1_213412_167405	NW_004516276.1	Scaffold931	167405	CC	GG	1940474405
SNP_P1_213413_167413	NW_004516276.1	Scaffold931	167413	CC	TT	1940474406
SNP_P1_213414_167468	NW_004516276.1	Scaffold931	167468	TT	CC	1940474407
SNP_P1_213415_177285	NW_004516276.1	Scaffold931	177285	AA	TT	1940474408
SNP_P1_213416_179733	NW_004516276.1	Scaffold931	179733	AA	TT	1940474409
SNP_P1_213417_179860	NW_004516276.1	Scaffold931	179860	AA	GG	1940474410
SNP_P1_213418_179966	NW_004516276.1	Scaffold931	179966	CC	AA	1940474411
SNP_P1_213419_179978	NW_004516276.1	Scaffold931	179978	CC	TT	1940474412
SNP_P1_213420_180018	NW_004516276.1	Scaffold931	180018	TT	CC	1940474413
SNP_P1_213421_180088	NW_004516276.1	Scaffold931	180088	AA	CC	1940474414
SNP_P1_213422_180260	NW_004516276.1	Scaffold931	180260	AA	TT	1940474415
SNP_P1_213423_180281	NW_004516276.1	Scaffold931	180281	AA	GG	1940474416
SNP_P1_213424_180294	NW_004516276.1	Scaffold931	180294	TT	CC	1940474417
SNP_P1_213426_180614	NW_004516276.1	Scaffold931	180614	AA	GG	1940474418
SNP_P1_213427_180647	NW_004516276.1	Scaffold931	180647	CC	AA	1940474419
SNP_P1_213428_180668	NW_004516276.1	Scaffold931	180668	TT	GG	1940474420
SNP_P1_213429_180707	NW_004516276.1	Scaffold931	180707	AA	GG	1940474421
SNP_P1_213430_180851	NW_004516276.1	Scaffold931	180851	TT	AA	1940474422
SNP_P1_213431_181118	NW_004516276.1	Scaffold931	181118	TT	AA	1940474423
SNP_P1_213432_181236	NW_004516276.1	Scaffold931	181236	TT	AA	1940474424
SNP_P1_213434_181336	NW_004516276.1	Scaffold931	181336	CC	TT	1940474425
SNP_P1_213435_181401	NW_004516276.1	Scaffold931	181401	GG	AA	1940474426
SNP_P1_213436_181431	NW_004516276.1	Scaffold931	181431	CC	AA	1940474427
SNP_P1_213438_181510	NW_004516276.1	Scaffold931	181510	TT	AA	1940474428
SNP_P1_213439_181633	NW_004516276.1	Scaffold931	181633	GG	AA	1940474429
SNP_P1_213440_181846	NW_004516276.1	Scaffold931	181846	TT	GG	1940474430
SNP_P1_213441_190803	NW_004516276.1	Scaffold931	190803	GG	AA	1940474431
SNP_P1_213442_191312	NW_004516276.1	Scaffold931	191312	CC	GG	1940474432
SNP_P1_213443_191336	NW_004516276.1	Scaffold931	191336	CC	TT	1940474433
SNP_P1_213444_191498	NW_004516276.1	Scaffold931	191498	TT	AA	1940474434
SNP_P1_213445_197196	NW_004516276.1	Scaffold931	197196	TT	CC	1940474435
SNP_P1_213446_202123	NW_004516276.1	Scaffold931	202123	AA	TT	1940474436
SNP_P1_213447_202209	NW_004516276.1	Scaffold931	202209	GG	AA	1940474437
SNP_P1_213448_202349	NW_004516276.1	Scaffold931	202349	AA	GG	1940474438
SNP_P1_213449_202529	NW_004516276.1	Scaffold931	202529	AA	CC	1940474439
SNP_P1_213450_202535	NW_004516276.1	Scaffold931	202535	TT	AA	1940474440
SNP_P1_213451_202574	NW_004516276.1	Scaffold931	202574	TT	AA	1940474441
SNP_P1_213452_202596	NW_004516276.1	Scaffold931	202596	CC	TT	1940474442

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213454_215582	NW_004516276.1	Scaffold931	215582	AA	CC	1940474444
SNP_P1_213455_217141	NW_004516276.1	Scaffold931	217141	GG	TT	1940474445
SNP_P1_213456_217183	NW_004516276.1	Scaffold931	217183	TT	CC	1940474446
SNP_P1_213457_217184	NW_004516276.1	Scaffold931	217184	GG	AA	1940474447
SNP_P1_213458_218192	NW_004516276.1	Scaffold931	218192	CC	TT	1940474448
SNP_P1_213459_231990	NW_004516276.1	Scaffold931	231990	GG	AA	1940474449
SNP_P1_213460_240682	NW_004516276.1	Scaffold931	240682	TT	CC	1940474450
SNP_P1_213461_240756	NW_004516276.1	Scaffold931	240756	TT	AA	1940474451
SNP_P1_213462_241204	NW_004516276.1	Scaffold931	241204	GG	TT	1940474452
SNP_P1_213463_242359	NW_004516276.1	Scaffold931	242359	TT	CC	1940474453
SNP_P1_213464_242391	NW_004516276.1	Scaffold931	242391	AA	GG	1940474454
SNP_P1_213465_242408	NW_004516276.1	Scaffold931	242408	AA	TT	1940474455
SNP_P1_213466_243186	NW_004516276.1	Scaffold931	243186	AA	GG	1940474456
SNP_P1_213467_244389	NW_004516276.1	Scaffold931	244389	CC	AA	1940474457
SNP_P1_213468_244469	NW_004516276.1	Scaffold931	244469	CC	AA	1940474458
SNP_P1_213470_244661	NW_004516276.1	Scaffold931	244661	GG	AA	1940474459
SNP_P1_213472_247616	NW_004516276.1	Scaffold931	247616	CC	TT	1940474460
SNP_P1_213473_247624	NW_004516276.1	Scaffold931	247624	TT	AA	1940474461
SNP_P1_213474_248215	NW_004516276.1	Scaffold931	248215	AA	TT	1940474462
SNP_P1_213475_249533	NW_004516276.1	Scaffold931	249533	GG	TT	1940474463
SNP_P1_213476_249706	NW_004516276.1	Scaffold931	249706	TT	GG	1940474464
SNP_P1_213477_249823	NW_004516276.1	Scaffold931	249823	GG	AA	1940474465
SNP_P1_213478_250067	NW_004516276.1	Scaffold931	250067	TT	AA	1940474467
SNP_P1_213480_250305	NW_004516276.1	Scaffold931	250305	CC	AA	1940474468
SNP_P1_213481_250395	NW_004516276.1	Scaffold931	250395	GG	CC	1940474469
SNP_P1_213482_250561	NW_004516276.1	Scaffold931	250561	GG	AA	1940474470
SNP_P1_213483_250591	NW_004516276.1	Scaffold931	250591	TT	CC	1940474471
SNP_P1_213484_250638	NW_004516276.1	Scaffold931	250638	GG	TT	1940474472
SNP_P1_213486_1784	NW_004516277.1	Scaffold933	1784	CC	TT	1940474473
SNP_P1_213487_1936	NW_004516277.1	Scaffold933	1936	TT	CC	1940474474
SNP_P1_213488_2531	NW_004516277.1	Scaffold933	2531	TT	CC	1940474475
SNP_P1_213490_3037	NW_004516277.1	Scaffold933	3037	AA	GG	1940474476
SNP_P1_213492_3670	NW_004516277.1	Scaffold933	3670	CC	TT	1940474477
SNP_P1_213493_3865	NW_004516277.1	Scaffold933	3865	TT	AA	1940474478
SNP_P1_213494_3918	NW_004516277.1	Scaffold933	3918	AA	GG	1940474479
SNP_P1_213495_3944	NW_004516277.1	Scaffold933	3944	GG	AA	1940474480
SNP_P1_213498_4600	NW_004516277.1	Scaffold933	4600	TT	GG	1940474481
SNP_P1_213499_4617	NW_004516277.1	Scaffold933	4617	TT	CC	1940474482
SNP_P1_213500_4788	NW_004516277.1	Scaffold933	4788	AA	CC	1940474483
SNP_P1_213501_4794	NW_004516277.1	Scaffold933	4794	GG	AA	1940474484
SNP_P1_213502_4832	NW_004516277.1	Scaffold933	4832	GG	AA	1940474485

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213504_5016	NW_004516277.1	Scaffold933	5016	GG	AA	1940474487
SNP_P1_213505_5836	NW_004516277.1	Scaffold933	5836	CC	AA	1940474488
SNP_P1_213506_3331	NW_004516278.1	Scaffold934	3331	GG	AA	1940474489
SNP_P1_213507_3652	NW_004516278.1	Scaffold934	3652	AA	TT	1940474490
SNP_P1_213508_10618	NW_004516278.1	Scaffold934	10618	GG	AA	1940474491
SNP_P1_213509_634	NW_004516279.1	Scaffold937	634	TT	AA	1940474492
SNP_P1_213510_25533	NW_004516279.1	Scaffold937	25533	GG	AA	1940474493
SNP_P1_213511_25538	NW_004516279.1	Scaffold937	25538	AA	CC	1940474494
SNP_P1_213512_25576	NW_004516279.1	Scaffold937	25576	GG	TT	1940474495
SNP_P1_213513_25583	NW_004516279.1	Scaffold937	25583	CC	AA	1940474496
SNP_P1_213514_25605	NW_004516279.1	Scaffold937	25605	GG	TT	1940474497
SNP_P1_213515_28186	NW_004516279.1	Scaffold937	28186	GG	AA	1940474498
SNP_P1_213516_53421	NW_004516279.1	Scaffold937	53421	AA	GG	1940474499
SNP_P1_213517_53431	NW_004516279.1	Scaffold937	53431	CC	TT	1940474500
SNP_P1_213518_75315	NW_004516279.1	Scaffold937	75315	CC	TT	1940474501
SNP_P1_213519_79161	NW_004516279.1	Scaffold937	79161	CC	AA	1940474502
SNP_P1_213521_80830	NW_004516279.1	Scaffold937	80830	CC	TT	1940474503
SNP_P1_213522_80897	NW_004516279.1	Scaffold937	80897	TT	CC	1940474504
SNP_P1_213523_81096	NW_004516279.1	Scaffold937	81096	AA	GG	1940474505
SNP_P1_213524_81235	NW_004516279.1	Scaffold937	81235	AA	GG	1940474506
SNP_P1_213526_117454	NW_004516279.1	Scaffold937	117454	GG	CC	1940474507
SNP_P1_213527_128408	NW_004516279.1	Scaffold937	128408	TT	GG	1940474508
SNP_P1_213528_133208	NW_004516279.1	Scaffold937	133208	AA	GG	1940474509
SNP_P1_213529_133238	NW_004516279.1	Scaffold937	133238	CC	TT	1940474510
SNP_P1_213530_133823	NW_004516279.1	Scaffold937	133823	CC	GG	1940474511
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SNP_P1_213532_165361	NW_004516279.1	Scaffold937	165361	TT	GG	1940474513
SNP_P1_213533_165371	NW_004516279.1	Scaffold937	165371	TT	CC	1940474514
SNP_P1_213534_165381	NW_004516279.1	Scaffold937	165381	GG	AA	1940474515
SNP_P1_213535_165414	NW_004516279.1	Scaffold937	165414	AA	GG	1940474516
SNP_P1_213536_165543	NW_004516279.1	Scaffold937	165543	TT	CC	1940474517
SNP_P1_213537_165722	NW_004516279.1	Scaffold937	165722	GG	AA	1940474518
SNP_P1_213538_166181	NW_004516279.1	Scaffold937	166181	AA	GG	1940474519
SNP_P1_213539_166941	NW_004516279.1	Scaffold937	166941	TT	AA	1940474520
SNP_P1_213540_166968	NW_004516279.1	Scaffold937	166968	GG	TT	1940474521
SNP_P1_213541_176189	NW_004516279.1	Scaffold937	176189	GG	AA	1940474522
SNP_P1_213542_184801	NW_004516279.1	Scaffold937	184801	TT	CC	1940474523
SNP_P1_213543_185175	NW_004516279.1	Scaffold937	185175	GG	AA	1940474524
SNP_P1_213544_189368	NW_004516279.1	Scaffold937	189368	AA	TT	1940474525
SNP_P1_213545_190845	NW_004516279.1	Scaffold937	190845	GG	TT	1940474526
SNP_P1_213546_202303	NW_004516279.1	Scaffold937	202303	CC	TT	1940474527

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213548_207067	NW_004516279.1	Scaffold937	207067	GG	TT	1940474529
SNP_P1_213549_207092	NW_004516279.1	Scaffold937	207092	CC	AA	1940474530
SNP_P1_213550_207098	NW_004516279.1	Scaffold937	207098	GG	CC	1940474531
SNP_P1_213551_207201	NW_004516279.1	Scaffold937	207201	GG	AA	1940474532
SNP_P1_213552_207207	NW_004516279.1	Scaffold937	207207	CC	TT	1940474533
SNP_P1_213553_207230	NW_004516279.1	Scaffold937	207230	GG	AA	1940474534
SNP_P1_213554_207249	NW_004516279.1	Scaffold937	207249	GG	AA	1940474535
SNP_P1_213555_207264	NW_004516279.1	Scaffold937	207264	AA	CC	1940474536
SNP_P1_213556_207280	NW_004516279.1	Scaffold937	207280	CC	TT	1940474537
SNP_P1_213557_207307	NW_004516279.1	Scaffold937	207307	CC	TT	1940474538
SNP_P1_213558_207497	NW_004516279.1	Scaffold937	207497	GG	AA	1940474539
SNP_P1_213559_207507	NW_004516279.1	Scaffold937	207507	CC	TT	1940474540
SNP_P1_213560_207563	NW_004516279.1	Scaffold937	207563	CC	GG	1940474541
SNP_P1_213561_207817	NW_004516279.1	Scaffold937	207817	AA	CC	1940474542
SNP_P1_213562_207819	NW_004516279.1	Scaffold937	207819	CC	TT	1940474543
SNP_P1_213563_432	NW_004516281.1	Scaffold939	432	CC	TT	1940474544
SNP_P1_213564_458	NW_004516281.1	Scaffold939	458	CC	TT	1940474545
SNP_P1_213565_699	NW_004516281.1	Scaffold939	699	GG	TT	1940474546
SNP_P1_213567_934	NW_004516281.1	Scaffold939	934	TT	GG	1940474547
SNP_P1_213568_978	NW_004516281.1	Scaffold939	978	CC	TT	1940474548
SNP_P1_213569_1014	NW_004516281.1	Scaffold939	1014	GG	TT	1940474549
SNP_P1_213570_1037	NW_004516281.1	Scaffold939	1037	TT	CC	1940474550
SNP_P1_213573_1233	NW_004516281.1	Scaffold939	1233	AA	TT	1940474551
SNP_P1_213574_1290	NW_004516281.1	Scaffold939	1290	CC	TT	1940474552
SNP_P1_213575_1306	NW_004516281.1	Scaffold939	1306	AA	GG	1940474553
SNP_P1_213576_1313	NW_004516281.1	Scaffold939	1313	CC	TT	1940474554
SNP_P1_213577_7238	NW_004516283.1	Scaffold943	7238	TT	CC	1940474555
SNP_P1_213578_23623	NW_004516283.1	Scaffold943	23623	TT	CC	1940474556
SNP_P1_213580_42834	NW_004516283.1	Scaffold943	42834	AA	TT	1940474557
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SNP_P1_213583_42904	NW_004516283.1	Scaffold943	42904	CC	AA	1940474560
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SNP_P1_213588_42938	NW_004516283.1	Scaffold943	42938	TT	AA	1940474564
SNP_P1_213589_42983	NW_004516283.1	Scaffold943	42983	TT	GG	1940474565
SNP_P1_213590_43000	NW_004516283.1	Scaffold943	43000	TT	CC	1940474566
SNP_P1_213591_43097	NW_004516283.1	Scaffold943	43097	CC	TT	1940474567
SNP_P1_213592_43299	NW_004516283.1	Scaffold943	43299	AA	TT	1940474568
SNP_P1_213593_50462	NW_004516283.1	Scaffold943	50462	AA	CC	1940474569

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213596_69820	NW_004516283.1	Scaffold943	69820	GG	TT	1940474572
SNP_P1_213597_69824	NW_004516283.1	Scaffold943	69824	CC	AA	1940474573
SNP_P1_213598_69842	NW_004516283.1	Scaffold943	69842	TT	GG	1940474574
SNP_P1_213599_69847	NW_004516283.1	Scaffold943	69847	TT	CC	1940474575
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SNP_P1_213602_69887	NW_004516283.1	Scaffold943	69887	TT	GG	1940474578
SNP_P1_213604_119005	NW_004516283.1	Scaffold943	119005	AA	TT	1940474579
SNP_P1_213605_119011	NW_004516283.1	Scaffold943	119011	AA	GG	1940474580
SNP_P1_213606_119341	NW_004516283.1	Scaffold943	119341	CC	GG	1940474581
SNP_P1_213607_119742	NW_004516283.1	Scaffold943	119742	AA	CC	1940474582
SNP_P1_213608_121828	NW_004516283.1	Scaffold943	121828	AA	GG	1940474583
SNP_P1_213609_138151	NW_004516283.1	Scaffold943	138151	GG	AA	1940474584
SNP_P1_213611_144498	NW_004516283.1	Scaffold943	144498	AA	TT	1940474585
SNP_P1_213612_144500	NW_004516283.1	Scaffold943	144500	TT	AA	1940474586
SNP_P1_213613_145154	NW_004516283.1	Scaffold943	145154	CC	AA	1940474587
SNP_P1_213614_149644	NW_004516283.1	Scaffold943	149644	CC	TT	1940474588
SNP_P1_213615_162835	NW_004516283.1	Scaffold943	162835	TT	CC	1940474589
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SNP_P1_213619_163086	NW_004516283.1	Scaffold943	163086	AA	TT	1940474592
SNP_P1_213620_163336	NW_004516283.1	Scaffold943	163336	GG	CC	1940474593
SNP_P1_213621_163344	NW_004516283.1	Scaffold943	163344	TT	AA	1940474594
SNP_P1_213622_163345	NW_004516283.1	Scaffold943	163345	CC	TT	1940474595
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SNP_P1_213628_235831	NW_004516283.1	Scaffold943	235831	TT	CC	1940474600
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SNP_P1_213630_236699	NW_004516283.1	Scaffold943	236699	TT	GG	1940474602
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SNP_P1_213633_242214	NW_004516283.1	Scaffold943	242214	CC	TT	1940474605
SNP_P1_213634_242244	NW_004516283.1	Scaffold943	242244	AA	TT	1940474606
SNP_P1_213635_242462	NW_004516283.1	Scaffold943	242462	AA	GG	1940474607
SNP_P1_213636_256263	NW_004516283.1	Scaffold943	256263	AA	GG	1940474608
SNP_P1_213637_263266	NW_004516283.1	Scaffold943	263266	TT	CC	1940474609
SNP_P1_213638_263317	NW_004516283.1	Scaffold943	263317	CC	TT	1940474610
SNP_P1_213639_264121	NW_004516283.1	Scaffold943	264121	GG	AA	1940474611

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213641_266193	NW_004516283.1	Scaffold943	266193	GG	AA	1940474613
SNP_P1_213642_266673	NW_004516283.1	Scaffold943	266673	GG	TT	1940474614
SNP_P1_213643_266880	NW_004516283.1	Scaffold943	266880	CC	TT	1940474615
SNP_P1_213644_266950	NW_004516283.1	Scaffold943	266950	AA	GG	1940474616
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SNP_P1_213647_267676	NW_004516283.1	Scaffold943	267676	TT	CC	1940474618
SNP_P1_213648_267728	NW_004516283.1	Scaffold943	267728	GG	CC	1940474619
SNP_P1_213650_118	NW_004516284.1	Scaffold944	118	AA	GG	1940474620
SNP_P1_213651_226	NW_004516284.1	Scaffold944	226	GG	AA	1940474621
SNP_P1_213652_296	NW_004516284.1	Scaffold944	296	GG	AA	1940474622
SNP_P1_213653_521	NW_004516284.1	Scaffold944	521	GG	AA	1940474623
SNP_P1_213654_528	NW_004516284.1	Scaffold944	528	TT	CC	1940474624
SNP_P1_213655_610	NW_004516284.1	Scaffold944	610	AA	GG	1940474625
SNP_P1_213657_703	NW_004516284.1	Scaffold944	703	CC	AA	1940474626
SNP_P1_213658_752	NW_004516284.1	Scaffold944	752	CC	GG	1940474627
SNP_P1_213659_803	NW_004516284.1	Scaffold944	803	GG	AA	1940474628
SNP_P1_213660_879	NW_004516284.1	Scaffold944	879	GG	TT	1940474630
SNP_P1_213661_1405	NW_004516284.1	Scaffold944	1405	CC	TT	1940474631
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SNP_P1_213663_1724	NW_004516284.1	Scaffold944	1724	TT	CC	1940474633
SNP_P1_213664_1725	NW_004516284.1	Scaffold944	1725	GG	TT	1940474634
SNP_P1_213665_1733	NW_004516284.1	Scaffold944	1733	AA	GG	1940474635
SNP_P1_213666_1849	NW_004516284.1	Scaffold944	1849	AA	GG	1940474636
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SNP_P1_213668_2352	NW_004516284.1	Scaffold944	2352	TT	AA	1940474638
SNP_P1_213670_2442	NW_004516284.1	Scaffold944	2442	AA	GG	1940474639
SNP_P1_213672_2587	NW_004516284.1	Scaffold944	2587	CC	TT	1940474640
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SNP_P1_213677_3330	NW_004516284.1	Scaffold944	3330	GG	AA	1940474643
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SNP_P1_213684_3732	NW_004516284.1	Scaffold944	3732	GG	AA	1940474649
SNP_P1_213685_2017	NW_004516285.1	Scaffold945	2017	TT	GG	1940474650
SNP_P1_213686_2212	NW_004516285.1	Scaffold945	2212	CC	GG	1940474651
SNP_P1_213688_2539	NW_004516285.1	Scaffold945	2539	AA	GG	1940474652
SNP_P1_213689_2549	NW_004516285.1	Scaffold945	2549	CC	TT	1940474653
SNP_P1_213690_2556	NW_004516285.1	Scaffold945	2556	CC	AA	1940474654

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213695_80	NW_004516287.1	Scaffold948	80	CC	AA	1940474658
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SNP_P1_213697_120	NW_004516287.1	Scaffold948	120	AA	GG	1940474660
SNP_P1_213698_182	NW_004516287.1	Scaffold948	182	AA	CC	1940474661
SNP_P1_213699_295	NW_004516287.1	Scaffold948	295	AA	CC	1940474662
SNP_P1_213700_429	NW_004516287.1	Scaffold948	429	CC	AA	1940474663
SNP_P1_213701_504	NW_004516287.1	Scaffold948	504	GG	AA	1940474664
SNP_P1_213702_506	NW_004516287.1	Scaffold948	506	CC	AA	1940474665
SNP_P1_213703_533	NW_004516287.1	Scaffold948	533	TT	CC	1940474666
SNP_P1_213704_576	NW_004516287.1	Scaffold948	576	CC	AA	1940474667
SNP_P1_213705_593	NW_004516287.1	Scaffold948	593	CC	AA	1940474668
SNP_P1_213706_741	NW_004516287.1	Scaffold948	741	TT	CC	1940474669
SNP_P1_213707_750	NW_004516287.1	Scaffold948	750	GG	CC	1940474670
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SNP_P1_213710_892	NW_004516287.1	Scaffold948	892	CC	AA	1940474673
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SNP_P1_213717_1772	NW_004516287.1	Scaffold948	1772	CC	AA	1940474680
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SNP_P1_213719_1821	NW_004516287.1	Scaffold948	1821	TT	GG	1940474682
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SNP_P1_213728_52520	NW_004516287.1	Scaffold948	52520	GG	AA	1940474690
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SNP_P1_213730_52531	NW_004516287.1	Scaffold948	52531	TT	AA	1940474692
SNP_P1_213731_52759	NW_004516287.1	Scaffold948	52759	TT	CC	1940474693
SNP_P1_213732_52971	NW_004516287.1	Scaffold948	52971	GG	AA	1940474694
SNP_P1_213733_52975	NW_004516287.1	Scaffold948	52975	TT	CC	1940474695
SNP_P1_213734_52981	NW_004516287.1	Scaffold948	52981	GG	AA	1940474696

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213737_53033	NW_004516287.1	Scaffold948	53033	GG	AA	1940474699
SNP_P1_213738_53042	NW_004516287.1	Scaffold948	53042	AA	GG	1940474700
SNP_P1_213739_53050	NW_004516287.1	Scaffold948	53050	AA	GG	1940474701
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SNP_P1_213748_81352	NW_004516287.1	Scaffold948	81352	CC	GG	1940474710
SNP_P1_213749_85088	NW_004516287.1	Scaffold948	85088	TT	CC	1940474711
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SNP_P1_213769_148334	NW_004516287.1	Scaffold948	148334	CC	TT	1940474729
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SNP_P1_213774_156234	NW_004516287.1	Scaffold948	156234	AA	TT	1940474734
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SNP_P1_213778_164171	NW_004516287.1	Scaffold948	164171	TT	CC	1940474737
SNP_P1_213779_175150	NW_004516287.1	Scaffold948	175150	CC	TT	1940474738

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213784_180227	NW_004516287.1	Scaffold948	180227	AA	CC	1940474743
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SNP_P1_213787_180330	NW_004516287.1	Scaffold948	180330	GG	AA	1940474746
SNP_P1_213788_186815	NW_004516287.1	Scaffold948	186815	TT	CC	1940474747
SNP_P1_213789_189411	NW_004516287.1	Scaffold948	189411	GG	CC	1940474748
SNP_P1_213790_189416	NW_004516287.1	Scaffold948	189416	GG	CC	1940474749
SNP_P1_213791_189417	NW_004516287.1	Scaffold948	189417	GG	AA	1940474750
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SNP_P1_213794_189441	NW_004516287.1	Scaffold948	189441	AA	TT	1940474753
SNP_P1_213795_189448	NW_004516287.1	Scaffold948	189448	CC	TT	1940474754
SNP_P1_213796_189455	NW_004516287.1	Scaffold948	189455	AA	GG	1940474755
SNP_P1_213797_189459	NW_004516287.1	Scaffold948	189459	TT	GG	1940474756
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SNP_P1_213799_3625	NW_004516288.1	Scaffold949	3625	GG	AA	1940474758
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SNP_P1_213805_3983	NW_004516288.1	Scaffold949	3983	AA	TT	1940474763
SNP_P1_213806_4041	NW_004516288.1	Scaffold949	4041	CC	TT	1940474764
SNP_P1_213807_4043	NW_004516288.1	Scaffold949	4043	AA	GG	1940474765
SNP_P1_213808_4098	NW_004516288.1	Scaffold949	4098	CC	TT	1940474766
SNP_P1_213809_10169	NW_004516288.1	Scaffold949	10169	TT	GG	1940474767
SNP_P1_213810_11773	NW_004516288.1	Scaffold949	11773	AA	TT	1940474768
SNP_P1_213811_11816	NW_004516288.1	Scaffold949	11816	TT	AA	1940474769
SNP_P1_213813_12065	NW_004516288.1	Scaffold949	12065	AA	CC	1940474770
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213828_26234	NW_004516288.1	Scaffold949	26234	TT	GG	1940474784
SNP_P1_213829_26293	NW_004516288.1	Scaffold949	26293	CC	TT	1940474785
SNP_P1_213830_26295	NW_004516288.1	Scaffold949	26295	CC	TT	1940474786
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SNP_P1_213833_26374	NW_004516288.1	Scaffold949	26374	GG	TT	1940474788
SNP_P1_213834_26403	NW_004516288.1	Scaffold949	26403	TT	CC	1940474789
SNP_P1_213835_26457	NW_004516288.1	Scaffold949	26457	GG	TT	1940474791
SNP_P1_213836_26528	NW_004516288.1	Scaffold949	26528	TT	AA	1940474792
SNP_P1_213837_26529	NW_004516288.1	Scaffold949	26529	GG	TT	1940474793
SNP_P1_213839_26627	NW_004516288.1	Scaffold949	26627	AA	GG	1940474794
SNP_P1_213840_26629	NW_004516288.1	Scaffold949	26629	TT	GG	1940474795
SNP_P1_213841_26630	NW_004516288.1	Scaffold949	26630	AA	TT	1940474796
SNP_P1_213842_26696	NW_004516288.1	Scaffold949	26696	GG	CC	1940474797
SNP_P1_213843_26718	NW_004516288.1	Scaffold949	26718	CC	GG	1940474798
SNP_P1_213844_26728	NW_004516288.1	Scaffold949	26728	GG	AA	1940474799
SNP_P1_213845_26752	NW_004516288.1	Scaffold949	26752	CC	TT	1940474800
SNP_P1_213846_26792	NW_004516288.1	Scaffold949	26792	AA	TT	1940474801
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SNP_P1_213849_26816	NW_004516288.1	Scaffold949	26816	TT	GG	1940474804
SNP_P1_213850_26823	NW_004516288.1	Scaffold949	26823	AA	TT	1940474805
SNP_P1_213851_26824	NW_004516288.1	Scaffold949	26824	TT	AA	1940474806
SNP_P1_213852_26882	NW_004516288.1	Scaffold949	26882	TT	AA	1940474807
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SNP_P1_213855_27106	NW_004516288.1	Scaffold949	27106	CC	AA	1940474810
SNP_P1_213856_27136	NW_004516288.1	Scaffold949	27136	TT	CC	1940474811
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SNP_P1_213858_29610	NW_004516288.1	Scaffold949	29610	GG	AA	1940474813
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SNP_P1_213860_33422	NW_004516288.1	Scaffold949	33422	AA	GG	1940474815
SNP_P1_213861_33456	NW_004516288.1	Scaffold949	33456	TT	CC	1940474816
SNP_P1_213862_33818	NW_004516288.1	Scaffold949	33818	GG	TT	1940474817
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SNP_P1_213865_41041	NW_004516288.1	Scaffold949	41041	AA	TT	1940474820
SNP_P1_213866_56440	NW_004516288.1	Scaffold949	56440	AA	TT	1940474821
SNP_P1_213867_56456	NW_004516288.1	Scaffold949	56456	TT	AA	1940474822
SNP_P1_213868_56850	NW_004516288.1	Scaffold949	56850	TT	AA	1940474823

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213870_72153	NW_004516288.1	Scaffold949	72153	AA	CC	1940474825
SNP_P1_213871_81727	NW_004516288.1	Scaffold949	81727	TT	GG	1940474826
SNP_P1_213872_86261	NW_004516288.1	Scaffold949	86261	GG	AA	1940474827
SNP_P1_213873_87185	NW_004516288.1	Scaffold949	87185	CC	AA	1940474828
SNP_P1_213874_88080	NW_004516288.1	Scaffold949	88080	TT	AA	1940474829
SNP_P1_213875_88331	NW_004516288.1	Scaffold949	88331	GG	TT	1940474830
SNP_P1_213876_88339	NW_004516288.1	Scaffold949	88339	TT	GG	1940474831
SNP_P1_213877_88374	NW_004516288.1	Scaffold949	88374	GG	TT	1940474832
SNP_P1_213878_88394	NW_004516288.1	Scaffold949	88394	GG	AA	1940474833
SNP_P1_213879_96094	NW_004516288.1	Scaffold949	96094	TT	GG	1940474834
SNP_P1_213880_96331	NW_004516288.1	Scaffold949	96331	GG	CC	1940474835
SNP_P1_213881_99745	NW_004516288.1	Scaffold949	99745	AA	GG	1940474836
SNP_P1_213882_99758	NW_004516288.1	Scaffold949	99758	GG	AA	1940474837
SNP_P1_213883_99765	NW_004516288.1	Scaffold949	99765	AA	GG	1940474838
SNP_P1_213884_101815	NW_004516288.1	Scaffold949	101815	CC	AA	1940474839
SNP_P1_213885_101850	NW_004516288.1	Scaffold949	101850	CC	AA	1940474840
SNP_P1_213886_102108	NW_004516288.1	Scaffold949	102108	TT	CC	1940474841
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SNP_P1_213894_102355	NW_004516288.1	Scaffold949	102355	GG	CC	1940474849
SNP_P1_213895_103281	NW_004516288.1	Scaffold949	103281	CC	GG	1940474850
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SNP_P1_213899_103851	NW_004516288.1	Scaffold949	103851	CC	AA	1940474854
SNP_P1_213900_103868	NW_004516288.1	Scaffold949	103868	CC	TT	1940474855
SNP_P1_213901_103875	NW_004516288.1	Scaffold949	103875	TT	GG	1940474856
SNP_P1_213902_103977	NW_004516288.1	Scaffold949	103977	TT	AA	1940474857
SNP_P1_213903_104095	NW_004516288.1	Scaffold949	104095	CC	TT	1940474858
SNP_P1_213904_104196	NW_004516288.1	Scaffold949	104196	GG	TT	1940474859
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SNP_P1_213906_104484	NW_004516288.1	Scaffold949	104484	GG	AA	1940474861
SNP_P1_213907_104638	NW_004516288.1	Scaffold949	104638	GG	AA	1940474862
SNP_P1_213908_105373	NW_004516288.1	Scaffold949	105373	AA	TT	1940474863
SNP_P1_213909_105411	NW_004516288.1	Scaffold949	105411	AA	CC	1940474864
SNP_P1_213910_105415	NW_004516288.1	Scaffold949	105415	TT	AA	1940474865

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213913_112328	NW_004516288.1	Scaffold949	112328	TT	CC	1940474868
SNP_P1_213914_112358	NW_004516288.1	Scaffold949	112358	CC	TT	1940474869
SNP_P1_213915_112719	NW_004516288.1	Scaffold949	112719	GG	TT	1940474870
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SNP_P1_213921_114486	NW_004516288.1	Scaffold949	114486	TT	AA	1940474876
SNP_P1_213922_117660	NW_004516288.1	Scaffold949	117660	CC	AA	1940474877
SNP_P1_213923_117965	NW_004516288.1	Scaffold949	117965	CC	TT	1940474878
SNP_P1_213924_119248	NW_004516288.1	Scaffold949	119248	TT	GG	1940474879
SNP_P1_213925_127840	NW_004516288.1	Scaffold949	127840	AA	GG	1940474880
SNP_P1_213926_132017	NW_004516288.1	Scaffold949	132017	AA	TT	1940474881
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SNP_P1_213932_142322	NW_004516288.1	Scaffold949	142322	GG	AA	1940474887
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SNP_P1_213935_142368	NW_004516288.1	Scaffold949	142368	TT	AA	1940474890
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SNP_P1_213950_868	NW_004516289.1	Scaffold950	868	TT	GG	1940474905
SNP_P1_213951_1198	NW_004516289.1	Scaffold950	1198	AA	CC	1940474906
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213962_1923	NW_004516289.1	Scaffold950	1923	AA	GG	1940474917
SNP_P1_213963_1945	NW_004516289.1	Scaffold950	1945	GG	TT	1940474918
SNP_P1_213964_2047	NW_004516289.1	Scaffold950	2047	AA	GG	1940474919
SNP_P1_213965_2093	NW_004516289.1	Scaffold950	2093	GG	AA	1940474920
SNP_P1_213966_2203	NW_004516289.1	Scaffold950	2203	CC	GG	1940474921
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SNP_P1_213994_17959	NW_004516289.1	Scaffold950	17959	GG	CC	1940474949
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_213998_33606	NW_004516289.1	Scaffold950	33606	TT	CC	1940474953
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SNP_P1_214003_45421	NW_004516289.1	Scaffold950	45421	TT	AA	1940474958
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214042_27915	NW_004516291.1	Scaffold952	27915	AA	GG	1940474997
SNP_P1_214043_27925	NW_004516291.1	Scaffold952	27925	GG	TT	1940474998
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SNP_P1_214081_29714	NW_004516292.1	Scaffold953	29714	CC	TT	1940475033
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214187_76068	NW_004516292.1	Scaffold953	76068	CC	TT	1940475125
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SNP_P1_214195_82148	NW_004516292.1	Scaffold953	82148	AA	GG	1940475133
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214282_142495	NW_004516292.1	Scaffold953	142495	AA	TT	1940475211
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214324_28520	NW_004516293.1	Scaffold954	28520	TT	GG	1940475252
SNP_P1_214325_28533	NW_004516293.1	Scaffold954	28533	CC	TT	1940475253
SNP_P1_214326_28626	NW_004516293.1	Scaffold954	28626	AA	TT	1940475254
SNP_P1_214327_28673	NW_004516293.1	Scaffold954	28673	TT	CC	1940475255
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SNP_P1_214329_28713	NW_004516293.1	Scaffold954	28713	GG	TT	1940475257
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214456_10644	NW_004516298.1	Scaffold959	10644	CC	TT	1940475379
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SNP_P1_214458_10709	NW_004516298.1	Scaffold959	10709	CC	TT	1940475381
SNP_P1_214459_20448	NW_004516298.1	Scaffold959	20448	GG	AA	1940475382
SNP_P1_214460_20802	NW_004516298.1	Scaffold959	20802	TT	AA	1940475383
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SNP_P1_214464_20898	NW_004516298.1	Scaffold959	20898	CC	TT	1940475387
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SNP_P1_214470_47665	NW_004516298.1	Scaffold959	47665	TT	CC	1940475393
SNP_P1_214471_57417	NW_004516298.1	Scaffold959	57417	AA	GG	1940475394
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SNP_P1_214477_57810	NW_004516298.1	Scaffold959	57810	GG	TT	1940475399
SNP_P1_214478_57928	NW_004516298.1	Scaffold959	57928	AA	GG	1940475400
SNP_P1_214479_58306	NW_004516298.1	Scaffold959	58306	AA	TT	1940475402
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SNP_P1_214491_15891	NW_004516299.1	Scaffold960	15891	AA	GG	1940475414
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214498_20883	NW_004516299.1	Scaffold960	20883	AA	GG	1940475420
SNP_P1_214499_20885	NW_004516299.1	Scaffold960	20885	CC	TT	1940475421
SNP_P1_214500_20894	NW_004516299.1	Scaffold960	20894	AA	GG	1940475422
SNP_P1_214501_20897	NW_004516299.1	Scaffold960	20897	TT	CC	1940475423
SNP_P1_214502_20906	NW_004516299.1	Scaffold960	20906	TT	GG	1940475424
SNP_P1_214503_68109	NW_004516299.1	Scaffold960	68109	CC	TT	1940475425
SNP_P1_214504_68135	NW_004516299.1	Scaffold960	68135	TT	GG	1940475426
SNP_P1_214505_68216	NW_004516299.1	Scaffold960	68216	TT	GG	1940475427
SNP_P1_214506_68298	NW_004516299.1	Scaffold960	68298	GG	CC	1940475428
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SNP_P1_214520_139056	NW_004516299.1	Scaffold960	139056	AA	GG	1940475442
SNP_P1_214521_141533	NW_004516299.1	Scaffold960	141533	CC	TT	1940475443
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SNP_P1_214523_162259	NW_004516299.1	Scaffold960	162259	AA	GG	1940475445
SNP_P1_214524_162272	NW_004516299.1	Scaffold960	162272	TT	GG	1940475446
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SNP_P1_214527_162292	NW_004516299.1	Scaffold960	162292	TT	AA	1940475449
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SNP_P1_214532_162433	NW_004516299.1	Scaffold960	162433	AA	GG	1940475454
SNP_P1_214533_162438	NW_004516299.1	Scaffold960	162438	TT	CC	1940475455
SNP_P1_214534_162439	NW_004516299.1	Scaffold960	162439	AA	GG	1940475456
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214540_14003	NW_004516300.1	Scaffold962	14003	CC	AA	1940475462
SNP_P1_214541_14578	NW_004516300.1	Scaffold962	14578	AA	GG	1940475463
SNP_P1_214542_14604	NW_004516300.1	Scaffold962	14604	CC	TT	1940475464
SNP_P1_214543_16588	NW_004516300.1	Scaffold962	16588	GG	AA	1940475465
SNP_P1_214546_33390	NW_004516300.1	Scaffold962	33390	GG	AA	1940475466
SNP_P1_214547_33423	NW_004516300.1	Scaffold962	33423	CC	GG	1940475467
SNP_P1_214548_33425	NW_004516300.1	Scaffold962	33425	CC	GG	1940475468
SNP_P1_214549_38451	NW_004516300.1	Scaffold962	38451	AA	GG	1940475469
SNP_P1_214550_38786	NW_004516300.1	Scaffold962	38786	TT	GG	1940475470
SNP_P1_214551_38830	NW_004516300.1	Scaffold962	38830	CC	TT	1940475471
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SNP_P1_214562_89060	NW_004516300.1	Scaffold962	89060	TT	AA	1940475481
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SNP_P1_214569_111028	NW_004516300.1	Scaffold962	111028	TT	CC	1940475488
SNP_P1_214570_111751	NW_004516300.1	Scaffold962	111751	CC	TT	1940475489
SNP_P1_214571_124273	NW_004516300.1	Scaffold962	124273	TT	CC	1940475490
SNP_P1_214572_124309	NW_004516300.1	Scaffold962	124309	GG	TT	1940475491
SNP_P1_214573_125411	NW_004516300.1	Scaffold962	125411	GG	AA	1940475492
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SNP_P1_214578_149168	NW_004516300.1	Scaffold962	149168	TT	GG	1940475496
SNP_P1_214579_149171	NW_004516300.1	Scaffold962	149171	CC	TT	1940475497
SNP_P1_214580_149180	NW_004516300.1	Scaffold962	149180	GG	CC	1940475498
SNP_P1_214581_149242	NW_004516300.1	Scaffold962	149242	AA	GG	1940475499

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214585_160714	NW_004516300.1	Scaffold962	160714	AA	TT	1940475502
SNP_P1_214586_160755	NW_004516300.1	Scaffold962	160755	CC	AA	1940475503
SNP_P1_214587_160775	NW_004516300.1	Scaffold962	160775	GG	TT	1940475504
SNP_P1_214588_161004	NW_004516300.1	Scaffold962	161004	TT	CC	1940475505
SNP_P1_214589_161065	NW_004516300.1	Scaffold962	161065	AA	TT	1940475506
SNP_P1_214590_161113	NW_004516300.1	Scaffold962	161113	TT	CC	1940475507
SNP_P1_214591_161116	NW_004516300.1	Scaffold962	161116	TT	CC	1940475508
SNP_P1_214592_164204	NW_004516300.1	Scaffold962	164204	TT	GG	1940475509
SNP_P1_214593_172574	NW_004516300.1	Scaffold962	172574	AA	TT	1940475510
SNP_P1_214594_191835	NW_004516300.1	Scaffold962	191835	TT	CC	1940475511
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SNP_P1_214596_194881	NW_004516300.1	Scaffold962	194881	CC	TT	1940475513
SNP_P1_214597_195949	NW_004516300.1	Scaffold962	195949	CC	GG	1940475514
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SNP_P1_214606_64	NW_004516301.1	Scaffold963	64	TT	GG	1940475522
SNP_P1_214607_134	NW_004516301.1	Scaffold963	134	AA	CC	1940475523
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214666_10704	NW_004516301.1	Scaffold963	10704	TT	CC	1940475582
SNP_P1_214667_17190	NW_004516301.1	Scaffold963	17190	AA	GG	1940475583
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214709_101226	NW_004516301.1	Scaffold963	101226	AA	TT	1940475624
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214717_101656	NW_004516301.1	Scaffold963	101656	TT	GG	1940475632
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SNP_P1_214723_104993	NW_004516301.1	Scaffold963	104993	TT	AA	1940475638
SNP_P1_214724_104996	NW_004516301.1	Scaffold963	104996	GG	AA	1940475639
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SNP_P1_214726_636	NW_004516302.1	Scaffold964	636	GG	AA	1940475641
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SNP_P1_214728_891	NW_004516302.1	Scaffold964	891	CC	TT	1940475643
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SNP_P1_214736_5920	NW_004516302.1	Scaffold964	5920	CC	TT	1940475651
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SNP_P1_214748_12570	NW_004516302.1	Scaffold964	12570	TT	AA	1940475663
SNP_P1_214749_12586	NW_004516302.1	Scaffold964	12586	TT	AA	1940475664
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SNP_P1_214752_12659	NW_004516302.1	Scaffold964	12659	TT	CC	1940475667
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214758_13573	NW_004516302.1	Scaffold964	13573	AA	CC	1940475673
SNP_P1_214759_18161	NW_004516302.1	Scaffold964	18161	AA	GG	1940475674
SNP_P1_214761_31994	NW_004516302.1	Scaffold964	31994	AA	GG	1940475675
SNP_P1_214762_32122	NW_004516302.1	Scaffold964	32122	AA	CC	1940475676
SNP_P1_214763_45675	NW_004516302.1	Scaffold964	45675	TT	AA	1940475677
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SNP_P1_214765_45869	NW_004516302.1	Scaffold964	45869	CC	TT	1940475679
SNP_P1_214766_45892	NW_004516302.1	Scaffold964	45892	TT	GG	1940475680
SNP_P1_214767_45933	NW_004516302.1	Scaffold964	45933	TT	AA	1940475681
SNP_P1_214768_47268	NW_004516302.1	Scaffold964	47268	GG	AA	1940475682
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SNP_P1_214794_1501	NW_004516305.1	Scaffold968	1501	GG	TT	1940475708
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214800_514	NW_004516307.1	Scaffold971	514	AA	GG	1940475714
SNP_P1_214801_521	NW_004516307.1	Scaffold971	521	GG	AA	1940475715
SNP_P1_214802_527	NW_004516307.1	Scaffold971	527	TT	AA	1940475716
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214881_4392	NW_004516310.1	Scaffold974	4392	GG	AA	1940475794
SNP_P1_214882_4466	NW_004516310.1	Scaffold974	4466	GG	AA	1940475795

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_214883_4487	NW_004516310.1	Scaffold974	4487	GG	AA	1940475796
SNP_P1_214884_5018	NW_004516310.1	Scaffold974	5018	TT	AA	1940475797
SNP_P1_214885_5019	NW_004516310.1	Scaffold974	5019	GG	TT	1940475798
SNP_P1_214886_5153	NW_004516310.1	Scaffold974	5153	TT	AA	1940475799
SNP_P1_214887_5722	NW_004516310.1	Scaffold974	5722	TT	CC	1940475800
SNP_P1_214888_5723	NW_004516310.1	Scaffold974	5723	CC	GG	1940475801
SNP_P1_214889_11432	NW_004516310.1	Scaffold974	11432	TT	GG	1940475802
SNP_P1_214890_19212	NW_004516310.1	Scaffold974	19212	TT	CC	1940475803
SNP_P1_214891_19656	NW_004516310.1	Scaffold974	19656	AA	GG	1940475804
SNP_P1_214892_23864	NW_004516310.1	Scaffold974	23864	TT	CC	1940475805
SNP_P1_214893_23865	NW_004516310.1	Scaffold974	23865	AA	GG	1940475806
SNP_P1_214894_24695	NW_004516310.1	Scaffold974	24695	TT	CC	1940475807
SNP_P1_214895_30319	NW_004516310.1	Scaffold974	30319	AA	GG	1940475808
SNP_P1_214896_30330	NW_004516310.1	Scaffold974	30330	GG	AA	1940475809
SNP_P1_214897_33747	NW_004516310.1	Scaffold974	33747	CC	AA	1940475810
SNP_P1_214898_33867	NW_004516310.1	Scaffold974	33867	CC	TT	1940475811
SNP_P1_214899_33900	NW_004516310.1	Scaffold974	33900	AA	GG	1940475812
SNP_P1_214900_33924	NW_004516310.1	Scaffold974	33924	GG	TT	1940475813
SNP_P1_214901_33932	NW_004516310.1	Scaffold974	33932	TT	CC	1940475814
SNP_P1_214902_33948	NW_004516310.1	Scaffold974	33948	AA	GG	1940475815
SNP_P1_214903_34177	NW_004516310.1	Scaffold974	34177	GG	CC	1940475816
SNP_P1_214904_34240	NW_004516310.1	Scaffold974	34240	AA	GG	1940475817
SNP_P1_214905_34280	NW_004516310.1	Scaffold974	34280	TT	CC	1940475818
SNP_P1_214906_36399	NW_004516310.1	Scaffold974	36399	GG	AA	1940475819
SNP_P1_214907_36400	NW_004516310.1	Scaffold974	36400	GG	AA	1940475820
SNP_P1_214908_37200	NW_004516310.1	Scaffold974	37200	CC	TT	1940475821
SNP_P1_214909_44704	NW_004516310.1	Scaffold974	44704	GG	TT	1940475822
SNP_P1_214910_47842	NW_004516310.1	Scaffold974	47842	AA	TT	1940475823
SNP_P1_214911_51984	NW_004516310.1	Scaffold974	51984	TT	GG	1940475824
SNP_P1_214912_51987	NW_004516310.1	Scaffold974	51987	GG	AA	1940475825
SNP_P1_214913_51988	NW_004516310.1	Scaffold974	51988	TT	GG	1940475826
SNP_P1_214914_394	NW_004516311.1	Scaffold977	394	CC	AA	1940475827
SNP_P1_214915_471	NW_004516311.1	Scaffold977	471	AA	GG	1940475828
SNP_P1_214916_480	NW_004516311.1	Scaffold977	480	GG	AA	1940475829
SNP_P1_214917_602	NW_004516311.1	Scaffold977	602	GG	AA	1940475830
SNP_P1_214918_1674	NW_004516311.1	Scaffold977	1674	GG	TT	1940475831
SNP_P1_214919_1712	NW_004516311.1	Scaffold977	1712	GG	TT	1940475832
SNP_P1_214920_4513	NW_004516311.1	Scaffold977	4513	CC	AA	1940475833
SNP_P1_214921_4515	NW_004516311.1	Scaffold977	4515	AA	GG	1940475834
SNP_P1_214922_4568	NW_004516311.1	Scaffold977	4568	AA	GG	1940475835
SNP_P1_214923_4572	NW_004516311.1	Scaffold977	4572	TT	CC	1940475836
SNP_P1_214924_4607	NW_004516311.1	Scaffold977	4607	CC	TT	1940475837

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214927_4765	NW_004516311.1	Scaffold977	4765	TT	GG	1940475839
SNP_P1_214928_4769	NW_004516311.1	Scaffold977	4769	TT	GG	1940475840
SNP_P1_214929_4840	NW_004516311.1	Scaffold977	4840	CC	GG	1940475841
SNP_P1_214930_4994	NW_004516311.1	Scaffold977	4994	TT	CC	1940475842
SNP_P1_214931_5019	NW_004516311.1	Scaffold977	5019	GG	TT	1940475843
SNP_P1_214932_5081	NW_004516311.1	Scaffold977	5081	TT	CC	1940475844
SNP_P1_214933_5128	NW_004516311.1	Scaffold977	5128	AA	TT	1940475845
SNP_P1_214934_5141	NW_004516311.1	Scaffold977	5141	CC	GG	1940475846
SNP_P1_214935_5168	NW_004516311.1	Scaffold977	5168	TT	AA	1940475847
SNP_P1_214936_5231	NW_004516311.1	Scaffold977	5231	TT	AA	1940475848
SNP_P1_214937_6201	NW_004516311.1	Scaffold977	6201	GG	AA	1940475849
SNP_P1_214938_6210	NW_004516311.1	Scaffold977	6210	GG	TT	1940475850
SNP_P1_214939_6230	NW_004516311.1	Scaffold977	6230	AA	CC	1940475851
SNP_P1_214940_6231	NW_004516311.1	Scaffold977	6231	CC	GG	1940475852
SNP_P1_214941_6485	NW_004516311.1	Scaffold977	6485	GG	AA	1940475853
SNP_P1_214942_6534	NW_004516311.1	Scaffold977	6534	CC	TT	1940475854
SNP_P1_214943_6569	NW_004516311.1	Scaffold977	6569	CC	TT	1940475855
SNP_P1_214944_6666	NW_004516311.1	Scaffold977	6666	TT	AA	1940475856
SNP_P1_214945_6773	NW_004516311.1	Scaffold977	6773	CC	AA	1940475858
SNP_P1_214946_6787	NW_004516311.1	Scaffold977	6787	TT	GG	1940475859
SNP_P1_214947_6835	NW_004516311.1	Scaffold977	6835	AA	GG	1940475860
SNP_P1_214948_6849	NW_004516311.1	Scaffold977	6849	TT	AA	1940475861
SNP_P1_214950_342	NW_004516313.1	Scaffold981	342	GG	AA	1940475862
SNP_P1_214951_2610	NW_004516313.1	Scaffold981	2610	TT	AA	1940475863
SNP_P1_214952_2983	NW_004516313.1	Scaffold981	2983	AA	GG	1940475864
SNP_P1_214953_4861	NW_004516313.1	Scaffold981	4861	CC	AA	1940475865
SNP_P1_214954_6594	NW_004516313.1	Scaffold981	6594	TT	CC	1940475866
SNP_P1_214956_8188	NW_004516313.1	Scaffold981	8188	AA	GG	1940475867
SNP_P1_214957_9244	NW_004516313.1	Scaffold981	9244	GG	AA	1940475868
SNP_P1_214958_9550	NW_004516313.1	Scaffold981	9550	TT	CC	1940475869
SNP_P1_214959_9570	NW_004516313.1	Scaffold981	9570	TT	CC	1940475870
SNP_P1_214961_10022	NW_004516313.1	Scaffold981	10022	TT	CC	1940475871
SNP_P1_214962_10135	NW_004516313.1	Scaffold981	10135	AA	GG	1940475872
SNP_P1_214964_10451	NW_004516313.1	Scaffold981	10451	TT	CC	1940475873
SNP_P1_214965_10492	NW_004516313.1	Scaffold981	10492	CC	AA	1940475874
SNP_P1_214966_10617	NW_004516313.1	Scaffold981	10617	CC	TT	1940475875
SNP_P1_214969_10975	NW_004516313.1	Scaffold981	10975	GG	AA	1940475876
SNP_P1_214970_11060	NW_004516313.1	Scaffold981	11060	CC	AA	1940475877
SNP_P1_214971_11074	NW_004516313.1	Scaffold981	11074	TT	CC	1940475878
SNP_P1_214972_11087	NW_004516313.1	Scaffold981	11087	TT	CC	1940475879
SNP_P1_214973_11098	NW_004516313.1	Scaffold981	11098	GG	AA	1940475880

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_214975_13620	NW_004516313.1	Scaffold981	13620	AA	GG	1940475882
SNP_P1_214976_14231	NW_004516313.1	Scaffold981	14231	CC	TT	1940475883
SNP_P1_214977_16600	NW_004516313.1	Scaffold981	16600	CC	GG	1940475884
SNP_P1_214978_18681	NW_004516313.1	Scaffold981	18681	TT	CC	1940475885
SNP_P1_214979_19617	NW_004516313.1	Scaffold981	19617	CC	AA	1940475886
SNP_P1_214980_19643	NW_004516313.1	Scaffold981	19643	TT	CC	1940475887
SNP_P1_214981_22144	NW_004516313.1	Scaffold981	22144	TT	AA	1940475888
SNP_P1_214982_39700	NW_004516313.1	Scaffold981	39700	GG	AA	1940475889
SNP_P1_214983_43253	NW_004516313.1	Scaffold981	43253	GG	CC	1940475890
SNP_P1_214984_44322	NW_004516313.1	Scaffold981	44322	CC	TT	1940475891
SNP_P1_214985_48783	NW_004516313.1	Scaffold981	48783	TT	CC	1940475892
SNP_P1_214986_48794	NW_004516313.1	Scaffold981	48794	TT	AA	1940475893
SNP_P1_214987_49714	NW_004516313.1	Scaffold981	49714	TT	CC	1940475894
SNP_P1_214988_49726	NW_004516313.1	Scaffold981	49726	TT	AA	1940475895
SNP_P1_214989_49735	NW_004516313.1	Scaffold981	49735	CC	GG	1940475896
SNP_P1_214990_49740	NW_004516313.1	Scaffold981	49740	CC	TT	1940475897
SNP_P1_214991_49777	NW_004516313.1	Scaffold981	49777	TT	CC	1940475898
SNP_P1_214992_49824	NW_004516313.1	Scaffold981	49824	CC	AA	1940475899
SNP_P1_214993_49908	NW_004516313.1	Scaffold981	49908	CC	GG	1940475900
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SNP_P1_214995_50071	NW_004516313.1	Scaffold981	50071	CC	TT	1940475902
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SNP_P1_214997_53948	NW_004516313.1	Scaffold981	53948	GG	TT	1940475904
SNP_P1_214998_54063	NW_004516313.1	Scaffold981	54063	CC	TT	1940475905
SNP_P1_214999_68908	NW_004516313.1	Scaffold981	68908	TT	CC	1940475906
SNP_P1_215000_68937	NW_004516313.1	Scaffold981	68937	TT	AA	1940475907
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SNP_P1_215002_68978	NW_004516313.1	Scaffold981	68978	AA	GG	1940475909
SNP_P1_215003_69007	NW_004516313.1	Scaffold981	69007	AA	GG	1940475910
SNP_P1_215004_69010	NW_004516313.1	Scaffold981	69010	CC	TT	1940475911
SNP_P1_215005_69018	NW_004516313.1	Scaffold981	69018	GG	AA	1940475912
SNP_P1_215006_69022	NW_004516313.1	Scaffold981	69022	AA	GG	1940475913
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SNP_P1_215008_69877	NW_004516313.1	Scaffold981	69877	CC	AA	1940475915
SNP_P1_215009_70223	NW_004516313.1	Scaffold981	70223	TT	CC	1940475916
SNP_P1_215010_71340	NW_004516313.1	Scaffold981	71340	TT	GG	1940475917
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SNP_P1_215013_73582	NW_004516313.1	Scaffold981	73582	CC	GG	1940475920
SNP_P1_215014_77882	NW_004516313.1	Scaffold981	77882	TT	CC	1940475921
SNP_P1_215015_78041	NW_004516313.1	Scaffold981	78041	AA	CC	1940475922

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215017_78111	NW_004516313.1	Scaffold981	78111	AA	TT	1940475924
SNP_P1_215018_78112	NW_004516313.1	Scaffold981	78112	TT	CC	1940475925
SNP_P1_215019_78332	NW_004516313.1	Scaffold981	78332	AA	CC	1940475926
SNP_P1_215020_78396	NW_004516313.1	Scaffold981	78396	TT	CC	1940475927
SNP_P1_215021_78643	NW_004516313.1	Scaffold981	78643	AA	GG	1940475928
SNP_P1_215022_78647	NW_004516313.1	Scaffold981	78647	AA	CC	1940475929
SNP_P1_215023_78704	NW_004516313.1	Scaffold981	78704	TT	CC	1940475930
SNP_P1_215024_79028	NW_004516313.1	Scaffold981	79028	AA	GG	1940475931
SNP_P1_215025_79102	NW_004516313.1	Scaffold981	79102	AA	CC	1940475932
SNP_P1_215026_79117	NW_004516313.1	Scaffold981	79117	CC	TT	1940475933
SNP_P1_215027_79320	NW_004516313.1	Scaffold981	79320	AA	GG	1940475934
SNP_P1_215028_79335	NW_004516313.1	Scaffold981	79335	CC	TT	1940475935
SNP_P1_215029_79359	NW_004516313.1	Scaffold981	79359	AA	GG	1940475936
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SNP_P1_215035_84265	NW_004516313.1	Scaffold981	84265	AA	GG	1940475940
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SNP_P1_215042_496	NW_004516314.1	Scaffold982	496	CC	GG	1940475946
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SNP_P1_215045_1212	NW_004516314.1	Scaffold982	1212	AA	GG	1940475948
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SNP_P1_215052_2819	NW_004516314.1	Scaffold982	2819	TT	AA	1940475951
SNP_P1_215053_2902	NW_004516314.1	Scaffold982	2902	TT	CC	1940475952
SNP_P1_215054_3235	NW_004516314.1	Scaffold982	3235	TT	AA	1940475953
SNP_P1_215055_3346	NW_004516314.1	Scaffold982	3346	AA	GG	1940475954
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SNP_P1_215059_5295	NW_004516314.1	Scaffold982	5295	AA	GG	1940475958
SNP_P1_215060_5335	NW_004516314.1	Scaffold982	5335	AA	TT	1940475959
SNP_P1_215061_5337	NW_004516314.1	Scaffold982	5337	GG	TT	1940475960
SNP_P1_215062_5464	NW_004516314.1	Scaffold982	5464	TT	AA	1940475961
SNP_P1_215063_5533	NW_004516314.1	Scaffold982	5533	TT	CC	1940475962
SNP_P1_215064_6010	NW_004516314.1	Scaffold982	6010	GG	TT	1940475963
SNP_P1_215065_6312	NW_004516314.1	Scaffold982	6312	TT	AA	1940475964

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215068_6676	NW_004516314.1	Scaffold982	6676	AA	TT	1940475967
SNP_P1_215069_6677	NW_004516314.1	Scaffold982	6677	TT	GG	1940475968
SNP_P1_215070_7001	NW_004516314.1	Scaffold982	7001	GG	AA	1940475969
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SNP_P1_215077_8958	NW_004516314.1	Scaffold982	8958	AA	GG	1940475975
SNP_P1_215078_9319	NW_004516314.1	Scaffold982	9319	TT	GG	1940475976
SNP_P1_215079_9742	NW_004516314.1	Scaffold982	9742	TT	CC	1940475977
SNP_P1_215081_14553	NW_004516314.1	Scaffold982	14553	GG	CC	1940475978
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SNP_P1_215083_14806	NW_004516314.1	Scaffold982	14806	TT	AA	1940475980
SNP_P1_215084_14809	NW_004516314.1	Scaffold982	14809	CC	AA	1940475981
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SNP_P1_215093_15297	NW_004516314.1	Scaffold982	15297	GG	CC	1940475989
SNP_P1_215095_15505	NW_004516314.1	Scaffold982	15505	GG	AA	1940475990
SNP_P1_215096_15661	NW_004516314.1	Scaffold982	15661	TT	CC	1940475991
SNP_P1_215097_15693	NW_004516314.1	Scaffold982	15693	TT	GG	1940475992
SNP_P1_215098_15701	NW_004516314.1	Scaffold982	15701	CC	AA	1940475993
SNP_P1_215099_1008	NW_004516315.1	Scaffold983	1008	GG	CC	1940475994
SNP_P1_215100_1019	NW_004516315.1	Scaffold983	1019	TT	GG	1940475995
SNP_P1_215101_33249	NW_004516315.1	Scaffold983	33249	AA	GG	1940475996
SNP_P1_215102_33259	NW_004516315.1	Scaffold983	33259	AA	GG	1940475997
SNP_P1_215104_33286	NW_004516315.1	Scaffold983	33286	TT	AA	1940475998
SNP_P1_215105_33288	NW_004516315.1	Scaffold983	33288	AA	TT	1940475999
SNP_P1_215106_33289	NW_004516315.1	Scaffold983	33289	GG	AA	1940476000
SNP_P1_215107_33338	NW_004516315.1	Scaffold983	33338	CC	TT	1940476001
SNP_P1_215108_33343	NW_004516315.1	Scaffold983	33343	TT	GG	1940476002
SNP_P1_215109_33355	NW_004516315.1	Scaffold983	33355	GG	AA	1940476003
SNP_P1_215110_33358	NW_004516315.1	Scaffold983	33358	TT	CC	1940476004
SNP_P1_215111_42079	NW_004516315.1	Scaffold983	42079	CC	TT	1940476005
SNP_P1_215112_42100	NW_004516315.1	Scaffold983	42100	AA	GG	1940476006

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_215113_42429	NW_004516315.1	Scaffold983	42429	GG	AA	1940476007
SNP_P1_215114_49641	NW_004516315.1	Scaffold983	49641	CC	TT	1940476008
SNP_P1_215118_72931	NW_004516315.1	Scaffold983	72931	GG	AA	1940476009
SNP_P1_215119_72947	NW_004516315.1	Scaffold983	72947	CC	TT	1940476010
SNP_P1_215120_72955	NW_004516315.1	Scaffold983	72955	CC	TT	1940476011
SNP_P1_215121_76816	NW_004516315.1	Scaffold983	76816	TT	CC	1940476012
SNP_P1_215122_80791	NW_004516315.1	Scaffold983	80791	TT	GG	1940476013
SNP_P1_215124_88016	NW_004516315.1	Scaffold983	88016	GG	AA	1940476014
SNP_P1_215125_88174	NW_004516315.1	Scaffold983	88174	GG	CC	1940476016
SNP_P1_215127_88254	NW_004516315.1	Scaffold983	88254	TT	CC	1940476017
SNP_P1_215128_88296	NW_004516315.1	Scaffold983	88296	CC	TT	1940476018
SNP_P1_215129_88343	NW_004516315.1	Scaffold983	88343	CC	TT	1940476019
SNP_P1_215130_88349	NW_004516315.1	Scaffold983	88349	GG	AA	1940476020
SNP_P1_215133_88683	NW_004516315.1	Scaffold983	88683	TT	AA	1940476021
SNP_P1_215134_88712	NW_004516315.1	Scaffold983	88712	GG	AA	1940476022
SNP_P1_215136_113999	NW_004516315.1	Scaffold983	113999	CC	AA	1940476023
SNP_P1_215137_114002	NW_004516315.1	Scaffold983	114002	AA	GG	1940476024
SNP_P1_215138_114023	NW_004516315.1	Scaffold983	114023	CC	TT	1940476025
SNP_P1_215139_114029	NW_004516315.1	Scaffold983	114029	TT	AA	1940476026
SNP_P1_215140_128346	NW_004516315.1	Scaffold983	128346	TT	AA	1940476027
SNP_P1_215141_128776	NW_004516315.1	Scaffold983	128776	GG	TT	1940476028
SNP_P1_215142_129000	NW_004516315.1	Scaffold983	129000	TT	AA	1940476029
SNP_P1_215143_129231	NW_004516315.1	Scaffold983	129231	AA	GG	1940476030
SNP_P1_215144_129500	NW_004516315.1	Scaffold983	129500	TT	AA	1940476031
SNP_P1_215145_129501	NW_004516315.1	Scaffold983	129501	CC	AA	1940476032
SNP_P1_215146_129519	NW_004516315.1	Scaffold983	129519	GG	TT	1940476033
SNP_P1_215147_141413	NW_004516315.1	Scaffold983	141413	TT	GG	1940476034
SNP_P1_215148_141458	NW_004516315.1	Scaffold983	141458	GG	AA	1940476035
SNP_P1_215149_141467	NW_004516315.1	Scaffold983	141467	TT	GG	1940476036
SNP_P1_215152_143182	NW_004516315.1	Scaffold983	143182	GG	TT	1940476037
SNP_P1_215155_169346	NW_004516315.1	Scaffold983	169346	TT	CC	1940476038
SNP_P1_215156_169466	NW_004516315.1	Scaffold983	169466	GG	AA	1940476039
SNP_P1_215157_169580	NW_004516315.1	Scaffold983	169580	CC	GG	1940476040
SNP_P1_215158_169601	NW_004516315.1	Scaffold983	169601	AA	CC	1940476041
SNP_P1_215159_169618	NW_004516315.1	Scaffold983	169618	CC	TT	1940476042
SNP_P1_215160_169794	NW_004516315.1	Scaffold983	169794	TT	AA	1940476043
SNP_P1_215161_169797	NW_004516315.1	Scaffold983	169797	GG	AA	1940476044
SNP_P1_215162_171689	NW_004516315.1	Scaffold983	171689	AA	CC	1940476045
SNP_P1_215163_174279	NW_004516315.1	Scaffold983	174279	AA	GG	1940476046
SNP_P1_215164_174407	NW_004516315.1	Scaffold983	174407	TT	CC	1940476047
SNP_P1_215165_174421	NW_004516315.1	Scaffold983	174421	TT	CC	1940476048
SNP_P1_215166_174446	NW_004516315.1	Scaffold983	174446	CC	GG	1940476049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215168_174520	NW_004516315.1	Scaffold983	174520	AA	GG	1940476051
SNP_P1_215169_174522	NW_004516315.1	Scaffold983	174522	CC	AA	1940476052
SNP_P1_215170_174560	NW_004516315.1	Scaffold983	174560	GG	AA	1940476053
SNP_P1_215171_174632	NW_004516315.1	Scaffold983	174632	AA	TT	1940476054
SNP_P1_215172_174633	NW_004516315.1	Scaffold983	174633	TT	AA	1940476055
SNP_P1_215173_178770	NW_004516315.1	Scaffold983	178770	TT	CC	1940476056
SNP_P1_215174_178779	NW_004516315.1	Scaffold983	178779	AA	GG	1940476057
SNP_P1_215175_178790	NW_004516315.1	Scaffold983	178790	TT	CC	1940476058
SNP_P1_215176_180031	NW_004516315.1	Scaffold983	180031	CC	AA	1940476059
SNP_P1_215177_189874	NW_004516315.1	Scaffold983	189874	TT	CC	1940476060
SNP_P1_215178_195799	NW_004516315.1	Scaffold983	195799	CC	TT	1940476061
SNP_P1_215179_195825	NW_004516315.1	Scaffold983	195825	GG	AA	1940476062
SNP_P1_215180_201155	NW_004516315.1	Scaffold983	201155	AA	GG	1940476063
SNP_P1_215181_218722	NW_004516315.1	Scaffold983	218722	TT	AA	1940476064
SNP_P1_215182_218729	NW_004516315.1	Scaffold983	218729	AA	GG	1940476065
SNP_P1_215183_218770	NW_004516315.1	Scaffold983	218770	AA	GG	1940476066
SNP_P1_215184_219082	NW_004516315.1	Scaffold983	219082	AA	CC	1940476067
SNP_P1_215185_219085	NW_004516315.1	Scaffold983	219085	CC	TT	1940476068
SNP_P1_215186_219136	NW_004516315.1	Scaffold983	219136	AA	CC	1940476069
SNP_P1_215187_219802	NW_004516315.1	Scaffold983	219802	TT	CC	1940476070
SNP_P1_215188_221510	NW_004516315.1	Scaffold983	221510	CC	TT	1940476071
SNP_P1_215189_241551	NW_004516315.1	Scaffold983	241551	AA	TT	1940476072
SNP_P1_215190_246491	NW_004516315.1	Scaffold983	246491	TT	CC	1940476073
SNP_P1_215191_246499	NW_004516315.1	Scaffold983	246499	AA	GG	1940476074
SNP_P1_215192_246500	NW_004516315.1	Scaffold983	246500	TT	AA	1940476075
SNP_P1_215193_254924	NW_004516315.1	Scaffold983	254924	CC	TT	1940476076
SNP_P1_215194_255047	NW_004516315.1	Scaffold983	255047	AA	GG	1940476077
SNP_P1_215195_255170	NW_004516315.1	Scaffold983	255170	AA	GG	1940476078
SNP_P1_215198_287349	NW_004516315.1	Scaffold983	287349	GG	AA	1940476079
SNP_P1_215199_287357	NW_004516315.1	Scaffold983	287357	GG	TT	1940476080
SNP_P1_215200_287403	NW_004516315.1	Scaffold983	287403	TT	AA	1940476081
SNP_P1_215202_287716	NW_004516315.1	Scaffold983	287716	AA	CC	1940476082
SNP_P1_215203_287745	NW_004516315.1	Scaffold983	287745	TT	GG	1940476083
SNP_P1_215204_287755	NW_004516315.1	Scaffold983	287755	GG	TT	1940476084
SNP_P1_215205_287765	NW_004516315.1	Scaffold983	287765	GG	TT	1940476085
SNP_P1_215206_287771	NW_004516315.1	Scaffold983	287771	TT	CC	1940476086
SNP_P1_215207_287785	NW_004516315.1	Scaffold983	287785	TT	CC	1940476087
SNP_P1_215208_287891	NW_004516315.1	Scaffold983	287891	AA	GG	1940476088
SNP_P1_215209_287997	NW_004516315.1	Scaffold983	287997	AA	TT	1940476089
SNP_P1_215210_288036	NW_004516315.1	Scaffold983	288036	AA	CC	1940476090
SNP_P1_215211_288792	NW_004516315.1	Scaffold983	288792	GG	AA	1940476091

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215214_293022	NW_004516315.1	Scaffold983	293022	GG	AA	1940476094
SNP_P1_215215_293066	NW_004516315.1	Scaffold983	293066	TT	CC	1940476095
SNP_P1_215216_293303	NW_004516315.1	Scaffold983	293303	TT	CC	1940476096
SNP_P1_215217_294936	NW_004516315.1	Scaffold983	294936	GG	AA	1940476097
SNP_P1_215218_329685	NW_004516315.1	Scaffold983	329685	TT	CC	1940476098
SNP_P1_215219_356584	NW_004516315.1	Scaffold983	356584	GG	AA	1940476099
SNP_P1_215220_356637	NW_004516315.1	Scaffold983	356637	CC	TT	1940476100
SNP_P1_215221_356743	NW_004516315.1	Scaffold983	356743	TT	CC	1940476101
SNP_P1_215222_356753	NW_004516315.1	Scaffold983	356753	GG	AA	1940476102
SNP_P1_215223_356785	NW_004516315.1	Scaffold983	356785	AA	TT	1940476103
SNP_P1_215224_358556	NW_004516315.1	Scaffold983	358556	GG	AA	1940476104
SNP_P1_215225_358657	NW_004516315.1	Scaffold983	358657	CC	TT	1940476105
SNP_P1_215226_1314	NW_004516316.1	Scaffold984	1314	AA	GG	1940476106
SNP_P1_215227_1375	NW_004516316.1	Scaffold984	1375	TT	CC	1940476107
SNP_P1_215228_1382	NW_004516316.1	Scaffold984	1382	TT	AA	1940476108
SNP_P1_215229_1434	NW_004516316.1	Scaffold984	1434	GG	TT	1940476109
SNP_P1_215230_1435	NW_004516316.1	Scaffold984	1435	AA	CC	1940476110
SNP_P1_215231_1455	NW_004516316.1	Scaffold984	1455	GG	TT	1940476111
SNP_P1_215232_2666	NW_004516316.1	Scaffold984	2666	TT	CC	1940476112
SNP_P1_215233_2701	NW_004516316.1	Scaffold984	2701	AA	GG	1940476113
SNP_P1_215234_2759	NW_004516316.1	Scaffold984	2759	AA	TT	1940476114
SNP_P1_215235_3008	NW_004516316.1	Scaffold984	3008	AA	TT	1940476115
SNP_P1_215236_5717	NW_004516316.1	Scaffold984	5717	AA	TT	1940476116
SNP_P1_215237_7939	NW_004516316.1	Scaffold984	7939	TT	CC	1940476117
SNP_P1_215238_7940	NW_004516316.1	Scaffold984	7940	CC	AA	1940476118
SNP_P1_215239_7944	NW_004516316.1	Scaffold984	7944	TT	CC	1940476119
SNP_P1_215240_7954	NW_004516316.1	Scaffold984	7954	TT	AA	1940476120
SNP_P1_215241_7956	NW_004516316.1	Scaffold984	7956	GG	AA	1940476121
SNP_P1_215242_7980	NW_004516316.1	Scaffold984	7980	TT	CC	1940476122
SNP_P1_215243_8027	NW_004516316.1	Scaffold984	8027	GG	AA	1940476123
SNP_P1_215244_8030	NW_004516316.1	Scaffold984	8030	TT	AA	1940476124
SNP_P1_215246_13700	NW_004516316.1	Scaffold984	13700	CC	AA	1940476125
SNP_P1_215247_13727	NW_004516316.1	Scaffold984	13727	AA	GG	1940476126
SNP_P1_215248_31410	NW_004516316.1	Scaffold984	31410	GG	AA	1940476127
SNP_P1_215249_33228	NW_004516316.1	Scaffold984	33228	AA	GG	1940476128
SNP_P1_215250_33665	NW_004516316.1	Scaffold984	33665	TT	CC	1940476129
SNP_P1_215251_33721	NW_004516316.1	Scaffold984	33721	CC	TT	1940476130
SNP_P1_215252_35836	NW_004516316.1	Scaffold984	35836	AA	TT	1940476131
SNP_P1_215253_36040	NW_004516316.1	Scaffold984	36040	GG	TT	1940476132
SNP_P1_215254_36131	NW_004516316.1	Scaffold984	36131	GG	AA	1940476133

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215256_36187	NW_004516316.1	Scaffold984	36187	GG	AA	1940476135
SNP_P1_215257_36424	NW_004516316.1	Scaffold984	36424	AA	TT	1940476136
SNP_P1_215258_40065	NW_004516316.1	Scaffold984	40065	AA	CC	1940476137
SNP_P1_215259_40762	NW_004516316.1	Scaffold984	40762	CC	TT	1940476138
SNP_P1_215260_49534	NW_004516316.1	Scaffold984	49534	TT	CC	1940476139
SNP_P1_215261_49550	NW_004516316.1	Scaffold984	49550	GG	AA	1940476140
SNP_P1_215264_56547	NW_004516316.1	Scaffold984	56547	AA	CC	1940476141
SNP_P1_215265_58357	NW_004516316.1	Scaffold984	58357	CC	GG	1940476142
SNP_P1_215266_60961	NW_004516316.1	Scaffold984	60961	CC	TT	1940476143
SNP_P1_215267_62782	NW_004516316.1	Scaffold984	62782	TT	AA	1940476144
SNP_P1_215268_66216	NW_004516316.1	Scaffold984	66216	CC	TT	1940476145
SNP_P1_215269_66328	NW_004516316.1	Scaffold984	66328	TT	CC	1940476146
SNP_P1_215270_66334	NW_004516316.1	Scaffold984	66334	TT	CC	1940476147
SNP_P1_215271_66659	NW_004516316.1	Scaffold984	66659	AA	GG	1940476148
SNP_P1_215272_66719	NW_004516316.1	Scaffold984	66719	TT	GG	1940476149
SNP_P1_215273_66933	NW_004516316.1	Scaffold984	66933	CC	TT	1940476150
SNP_P1_215274_67034	NW_004516316.1	Scaffold984	67034	GG	AA	1940476151
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SNP_P1_215286_78179	NW_004516316.1	Scaffold984	78179	TT	CC	1940476164
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SNP_P1_215288_78298	NW_004516316.1	Scaffold984	78298	GG	AA	1940476166
SNP_P1_215289_78375	NW_004516316.1	Scaffold984	78375	TT	AA	1940476167
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SNP_P1_215291_87754	NW_004516316.1	Scaffold984	87754	TT	AA	1940476169
SNP_P1_215292_87843	NW_004516316.1	Scaffold984	87843	AA	CC	1940476170
SNP_P1_215293_87877	NW_004516316.1	Scaffold984	87877	GG	AA	1940476171
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SNP_P1_215295_88193	NW_004516316.1	Scaffold984	88193	TT	AA	1940476173
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SNP_P1_215297_92328	NW_004516316.1	Scaffold984	92328	CC	TT	1940476175
SNP_P1_215298_94147	NW_004516316.1	Scaffold984	94147	AA	CC	1940476176

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215301_94446	NW_004516316.1	Scaffold984	94446	CC	AA	1940476179
SNP_P1_215302_94456	NW_004516316.1	Scaffold984	94456	CC	TT	1940476180
SNP_P1_215303_94506	NW_004516316.1	Scaffold984	94506	CC	GG	1940476181
SNP_P1_215304_97371	NW_004516316.1	Scaffold984	97371	AA	GG	1940476182
SNP_P1_215305_98942	NW_004516316.1	Scaffold984	98942	AA	CC	1940476183
SNP_P1_215306_105049	NW_004516316.1	Scaffold984	105049	CC	TT	1940476184
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SNP_P1_215308_116581	NW_004516316.1	Scaffold984	116581	CC	TT	1940476186
SNP_P1_215309_116872	NW_004516316.1	Scaffold984	116872	CC	GG	1940476187
SNP_P1_215310_118548	NW_004516316.1	Scaffold984	118548	GG	AA	1940476188
SNP_P1_215311_119093	NW_004516316.1	Scaffold984	119093	TT	CC	1940476189
SNP_P1_215312_119106	NW_004516316.1	Scaffold984	119106	AA	TT	1940476190
SNP_P1_215313_128038	NW_004516316.1	Scaffold984	128038	AA	GG	1940476191
SNP_P1_215314_128042	NW_004516316.1	Scaffold984	128042	GG	TT	1940476192
SNP_P1_215315_128354	NW_004516316.1	Scaffold984	128354	TT	GG	1940476193
SNP_P1_215316_128365	NW_004516316.1	Scaffold984	128365	TT	AA	1940476194
SNP_P1_215317_128370	NW_004516316.1	Scaffold984	128370	TT	GG	1940476195
SNP_P1_215318_128380	NW_004516316.1	Scaffold984	128380	AA	GG	1940476196
SNP_P1_215319_128390	NW_004516316.1	Scaffold984	128390	TT	CC	1940476197
SNP_P1_215320_128495	NW_004516316.1	Scaffold984	128495	AA	CC	1940476198
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SNP_P1_215326_130886	NW_004516316.1	Scaffold984	130886	AA	TT	1940476204
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SNP_P1_215329_132637	NW_004516316.1	Scaffold984	132637	AA	GG	1940476206
SNP_P1_215330_132677	NW_004516316.1	Scaffold984	132677	CC	GG	1940476207
SNP_P1_215331_132679	NW_004516316.1	Scaffold984	132679	TT	GG	1940476208
SNP_P1_215332_132680	NW_004516316.1	Scaffold984	132680	GG	TT	1940476209
SNP_P1_215333_138638	NW_004516316.1	Scaffold984	138638	AA	GG	1940476210
SNP_P1_215335_157531	NW_004516316.1	Scaffold984	157531	CC	TT	1940476211
SNP_P1_215336_158610	NW_004516316.1	Scaffold984	158610	GG	AA	1940476212
SNP_P1_215337_159178	NW_004516316.1	Scaffold984	159178	AA	GG	1940476213
SNP_P1_215338_160527	NW_004516316.1	Scaffold984	160527	AA	TT	1940476214
SNP_P1_215339_160528	NW_004516316.1	Scaffold984	160528	TT	GG	1940476215
SNP_P1_215340_160560	NW_004516316.1	Scaffold984	160560	CC	TT	1940476216
SNP_P1_215341_160611	NW_004516316.1	Scaffold984	160611	AA	GG	1940476217
SNP_P1_215342_160615	NW_004516316.1	Scaffold984	160615	TT	CC	1940476218

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_215343_162148	NW_004516316.1	Scaffold984	162148	CC	AA	1940476219
SNP_P1_215344_165144	NW_004516316.1	Scaffold984	165144	AA	TT	1940476220
SNP_P1_215345_1858	NW_004516317.1	Scaffold986	1858	TT	AA	1940476221
SNP_P1_215346_1861	NW_004516317.1	Scaffold986	1861	AA	GG	1940476222
SNP_P1_215347_1863	NW_004516317.1	Scaffold986	1863	AA	TT	1940476223
SNP_P1_215348_1872	NW_004516317.1	Scaffold986	1872	TT	CC	1940476224
SNP_P1_215349_1878	NW_004516317.1	Scaffold986	1878	GG	AA	1940476225
SNP_P1_215350_2644	NW_004516317.1	Scaffold986	2644	CC	AA	1940476226
SNP_P1_215351_2913	NW_004516317.1	Scaffold986	2913	AA	GG	1940476227
SNP_P1_215352_8140	NW_004516317.1	Scaffold986	8140	GG	AA	1940476228
SNP_P1_215353_16851	NW_004516317.1	Scaffold986	16851	TT	AA	1940476229
SNP_P1_215354_16875	NW_004516317.1	Scaffold986	16875	CC	TT	1940476230
SNP_P1_215355_16878	NW_004516317.1	Scaffold986	16878	GG	AA	1940476231
SNP_P1_215356_16879	NW_004516317.1	Scaffold986	16879	TT	AA	1940476232
SNP_P1_215357_16899	NW_004516317.1	Scaffold986	16899	AA	GG	1940476233
SNP_P1_215358_16932	NW_004516317.1	Scaffold986	16932	GG	AA	1940476234
SNP_P1_215359_16955	NW_004516317.1	Scaffold986	16955	TT	AA	1940476235
SNP_P1_215360_16959	NW_004516317.1	Scaffold986	16959	TT	CC	1940476236
SNP_P1_215361_16960	NW_004516317.1	Scaffold986	16960	GG	TT	1940476237
SNP_P1_215362_16975	NW_004516317.1	Scaffold986	16975	AA	GG	1940476238
SNP_P1_215363_16979	NW_004516317.1	Scaffold986	16979	TT	CC	1940476239
SNP_P1_215364_16984	NW_004516317.1	Scaffold986	16984	CC	AA	1940476240
SNP_P1_215365_17016	NW_004516317.1	Scaffold986	17016	TT	CC	1940476241
SNP_P1_215366_17033	NW_004516317.1	Scaffold986	17033	CC	TT	1940476242
SNP_P1_215367_17147	NW_004516317.1	Scaffold986	17147	TT	CC	1940476243
SNP_P1_215368_17148	NW_004516317.1	Scaffold986	17148	GG	AA	1940476244
SNP_P1_215369_17204	NW_004516317.1	Scaffold986	17204	AA	CC	1940476245
SNP_P1_215370_21484	NW_004516317.1	Scaffold986	21484	CC	TT	1940476246
SNP_P1_215371_21485	NW_004516317.1	Scaffold986	21485	AA	GG	1940476247
SNP_P1_215372_23039	NW_004516317.1	Scaffold986	23039	TT	CC	1940476248
SNP_P1_215373_23588	NW_004516317.1	Scaffold986	23588	AA	TT	1940476249
SNP_P1_215374_23650	NW_004516317.1	Scaffold986	23650	TT	GG	1940476250
SNP_P1_215375_23662	NW_004516317.1	Scaffold986	23662	CC	AA	1940476251
SNP_P1_215376_23670	NW_004516317.1	Scaffold986	23670	GG	AA	1940476252
SNP_P1_215377_23684	NW_004516317.1	Scaffold986	23684	CC	TT	1940476253
SNP_P1_215378_23698	NW_004516317.1	Scaffold986	23698	AA	GG	1940476254
SNP_P1_215379_23759	NW_004516317.1	Scaffold986	23759	TT	CC	1940476255
SNP_P1_215380_24070	NW_004516317.1	Scaffold986	24070	TT	CC	1940476256
SNP_P1_215381_26961	NW_004516317.1	Scaffold986	26961	TT	GG	1940476257
SNP_P1_215382_26984	NW_004516317.1	Scaffold986	26984	TT	CC	1940476258
SNP_P1_215383_27426	NW_004516317.1	Scaffold986	27426	AA	CC	1940476259
SNP_P1_215384_27999	NW_004516317.1	Scaffold986	27999	AA	CC	1940476260

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215386_32726	NW_004516317.1	Scaffold986	32726	TT	AA	1940476262
SNP_P1_215387_32731	NW_004516317.1	Scaffold986	32731	AA	GG	1940476263
SNP_P1_215388_35056	NW_004516317.1	Scaffold986	35056	CC	GG	1940476264
SNP_P1_215389_36262	NW_004516317.1	Scaffold986	36262	CC	AA	1940476265
SNP_P1_215390_39080	NW_004516317.1	Scaffold986	39080	CC	AA	1940476266
SNP_P1_215391_39123	NW_004516317.1	Scaffold986	39123	GG	AA	1940476267
SNP_P1_215392_39146	NW_004516317.1	Scaffold986	39146	TT	CC	1940476268
SNP_P1_215393_39387	NW_004516317.1	Scaffold986	39387	GG	AA	1940476269
SNP_P1_215394_39427	NW_004516317.1	Scaffold986	39427	AA	GG	1940476270
SNP_P1_215395_39578	NW_004516317.1	Scaffold986	39578	AA	CC	1940476271
SNP_P1_215396_39641	NW_004516317.1	Scaffold986	39641	GG	TT	1940476272
SNP_P1_215397_39725	NW_004516317.1	Scaffold986	39725	TT	GG	1940476273
SNP_P1_215398_39854	NW_004516317.1	Scaffold986	39854	GG	CC	1940476274
SNP_P1_215399_8793	NW_004516318.1	Scaffold991	8793	GG	AA	1940476275
SNP_P1_215400_9630	NW_004516318.1	Scaffold991	9630	TT	CC	1940476276
SNP_P1_215401_9646	NW_004516318.1	Scaffold991	9646	TT	CC	1940476277
SNP_P1_215402_9688	NW_004516318.1	Scaffold991	9688	CC	AA	1940476278
SNP_P1_215403_10000	NW_004516318.1	Scaffold991	10000	AA	GG	1940476279
SNP_P1_215404_12269	NW_004516318.1	Scaffold991	12269	AA	GG	1940476280
SNP_P1_215405_12281	NW_004516318.1	Scaffold991	12281	AA	TT	1940476281
SNP_P1_215406_12716	NW_004516318.1	Scaffold991	12716	TT	GG	1940476282
SNP_P1_215407_13741	NW_004516318.1	Scaffold991	13741	TT	AA	1940476283
SNP_P1_215408_13755	NW_004516318.1	Scaffold991	13755	CC	TT	1940476284
SNP_P1_215409_13776	NW_004516318.1	Scaffold991	13776	TT	GG	1940476285
SNP_P1_215410_13787	NW_004516318.1	Scaffold991	13787	AA	TT	1940476286
SNP_P1_215411_13840	NW_004516318.1	Scaffold991	13840	GG	TT	1940476287
SNP_P1_215412_13911	NW_004516318.1	Scaffold991	13911	AA	TT	1940476288
SNP_P1_215413_885	NW_004516319.1	Scaffold992	885	AA	GG	1940476289
SNP_P1_215414_7557	NW_004516319.1	Scaffold992	7557	AA	GG	1940476290
SNP_P1_215415_8072	NW_004516319.1	Scaffold992	8072	AA	TT	1940476291
SNP_P1_215416_8073	NW_004516319.1	Scaffold992	8073	AA	TT	1940476292
SNP_P1_215417_24683	NW_004516319.1	Scaffold992	24683	TT	AA	1940476293
SNP_P1_215418_26783	NW_004516319.1	Scaffold992	26783	CC	AA	1940476294
SNP_P1_215419_26817	NW_004516319.1	Scaffold992	26817	AA	GG	1940476295
SNP_P1_215420_26868	NW_004516319.1	Scaffold992	26868	AA	TT	1940476296
SNP_P1_215421_27191	NW_004516319.1	Scaffold992	27191	GG	AA	1940476297
SNP_P1_215422_27197	NW_004516319.1	Scaffold992	27197	AA	TT	1940476298
SNP_P1_215423_32767	NW_004516319.1	Scaffold992	32767	CC	TT	1940476299
SNP_P1_215424_33062	NW_004516319.1	Scaffold992	33062	AA	GG	1940476300
SNP_P1_215425_33126	NW_004516319.1	Scaffold992	33126	TT	CC	1940476301
SNP_P1_215426_33132	NW_004516319.1	Scaffold992	33132	GG	AA	1940476302

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_215427_33147	NW_004516319.1	Scaffold992	33147	AA	GG	1940476303
SNP_P1_215428_34514	NW_004516319.1	Scaffold992	34514	AA	CC	1940476304
SNP_P1_215429_35590	NW_004516319.1	Scaffold992	35590	TT	CC	1940476305
SNP_P1_215431_36760	NW_004516319.1	Scaffold992	36760	GG	TT	1940476306
SNP_P1_215433_36910	NW_004516319.1	Scaffold992	36910	TT	AA	1940476307
SNP_P1_215434_36970	NW_004516319.1	Scaffold992	36970	CC	TT	1940476308
SNP_P1_215435_37007	NW_004516319.1	Scaffold992	37007	TT	CC	1940476309
SNP_P1_215436_37013	NW_004516319.1	Scaffold992	37013	CC	TT	1940476310
SNP_P1_215437_37561	NW_004516319.1	Scaffold992	37561	GG	TT	1940476312
SNP_P1_215438_37591	NW_004516319.1	Scaffold992	37591	AA	TT	1940476313
SNP_P1_215439_37592	NW_004516319.1	Scaffold992	37592	CC	AA	1940476314
SNP_P1_215441_37851	NW_004516319.1	Scaffold992	37851	CC	TT	1940476315
SNP_P1_215443_37913	NW_004516319.1	Scaffold992	37913	CC	AA	1940476316
SNP_P1_215444_37915	NW_004516319.1	Scaffold992	37915	AA	CC	1940476317
SNP_P1_215445_38111	NW_004516319.1	Scaffold992	38111	CC	TT	1940476318
SNP_P1_215446_39897	NW_004516319.1	Scaffold992	39897	CC	AA	1940476319
SNP_P1_215447_40052	NW_004516319.1	Scaffold992	40052	GG	AA	1940476320
SNP_P1_215448_40064	NW_004516319.1	Scaffold992	40064	CC	GG	1940476321
SNP_P1_215449_40156	NW_004516319.1	Scaffold992	40156	TT	CC	1940476322
SNP_P1_215450_40243	NW_004516319.1	Scaffold992	40243	AA	CC	1940476323
SNP_P1_215451_40259	NW_004516319.1	Scaffold992	40259	CC	TT	1940476324
SNP_P1_215452_40336	NW_004516319.1	Scaffold992	40336	CC	GG	1940476325
SNP_P1_215453_40379	NW_004516319.1	Scaffold992	40379	AA	GG	1940476326
SNP_P1_215454_40387	NW_004516319.1	Scaffold992	40387	AA	CC	1940476327
SNP_P1_215455_40401	NW_004516319.1	Scaffold992	40401	AA	TT	1940476328
SNP_P1_215456_40411	NW_004516319.1	Scaffold992	40411	TT	GG	1940476329
SNP_P1_215457_40434	NW_004516319.1	Scaffold992	40434	GG	CC	1940476330
SNP_P1_215458_40468	NW_004516319.1	Scaffold992	40468	GG	TT	1940476331
SNP_P1_215460_40536	NW_004516319.1	Scaffold992	40536	AA	GG	1940476332
SNP_P1_215461_40542	NW_004516319.1	Scaffold992	40542	CC	AA	1940476333
SNP_P1_215462_40551	NW_004516319.1	Scaffold992	40551	AA	TT	1940476334
SNP_P1_215463_40566	NW_004516319.1	Scaffold992	40566	CC	GG	1940476335
SNP_P1_215464_40617	NW_004516319.1	Scaffold992	40617	AA	GG	1940476336
SNP_P1_215465_40678	NW_004516319.1	Scaffold992	40678	GG	CC	1940476337
SNP_P1_215466_40695	NW_004516319.1	Scaffold992	40695	AA	GG	1940476338
SNP_P1_215467_40725	NW_004516319.1	Scaffold992	40725	GG	AA	1940476339
SNP_P1_215468_40738	NW_004516319.1	Scaffold992	40738	AA	TT	1940476340
SNP_P1_215469_40825	NW_004516319.1	Scaffold992	40825	TT	AA	1940476341
SNP_P1_215470_40826	NW_004516319.1	Scaffold992	40826	TT	AA	1940476342
SNP_P1_215471_40827	NW_004516319.1	Scaffold992	40827	TT	AA	1940476343
SNP_P1_215472_40828	NW_004516319.1	Scaffold992	40828	GG	AA	1940476344
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215475_40833	NW_004516319.1	Scaffold992	40833	AA	TT	1940476347
SNP_P1_215476_40927	NW_004516319.1	Scaffold992	40927	CC	TT	1940476348
SNP_P1_215477_40995	NW_004516319.1	Scaffold992	40995	GG	CC	1940476349
SNP_P1_215478_41224	NW_004516319.1	Scaffold992	41224	CC	TT	1940476350
SNP_P1_215479_41411	NW_004516319.1	Scaffold992	41411	GG	AA	1940476351
SNP_P1_215480_41456	NW_004516319.1	Scaffold992	41456	TT	AA	1940476352
SNP_P1_215481_41745	NW_004516319.1	Scaffold992	41745	GG	AA	1940476353
SNP_P1_215482_41746	NW_004516319.1	Scaffold992	41746	GG	TT	1940476354
SNP_P1_215483_41816	NW_004516319.1	Scaffold992	41816	TT	AA	1940476355
SNP_P1_215484_41909	NW_004516319.1	Scaffold992	41909	GG	AA	1940476356
SNP_P1_215485_41924	NW_004516319.1	Scaffold992	41924	TT	AA	1940476357
SNP_P1_215487_42061	NW_004516319.1	Scaffold992	42061	AA	GG	1940476358
SNP_P1_215488_42074	NW_004516319.1	Scaffold992	42074	AA	GG	1940476359
SNP_P1_215489_42087	NW_004516319.1	Scaffold992	42087	AA	TT	1940476360
SNP_P1_215491_42140	NW_004516319.1	Scaffold992	42140	CC	TT	1940476361
SNP_P1_215492_42240	NW_004516319.1	Scaffold992	42240	CC	GG	1940476362
SNP_P1_215494_42349	NW_004516319.1	Scaffold992	42349	CC	TT	1940476363
SNP_P1_215495_42353	NW_004516319.1	Scaffold992	42353	CC	AA	1940476364
SNP_P1_215496_42379	NW_004516319.1	Scaffold992	42379	CC	AA	1940476365
SNP_P1_215497_42398	NW_004516319.1	Scaffold992	42398	TT	AA	1940476366
SNP_P1_215498_42406	NW_004516319.1	Scaffold992	42406	TT	CC	1940476367
SNP_P1_215499_42505	NW_004516319.1	Scaffold992	42505	GG	AA	1940476368
SNP_P1_215500_42543	NW_004516319.1	Scaffold992	42543	AA	TT	1940476369
SNP_P1_215501_42549	NW_004516319.1	Scaffold992	42549	TT	GG	1940476370
SNP_P1_215502_44858	NW_004516319.1	Scaffold992	44858	GG	TT	1940476371
SNP_P1_215503_44867	NW_004516319.1	Scaffold992	44867	GG	CC	1940476372
SNP_P1_215504_44946	NW_004516319.1	Scaffold992	44946	GG	AA	1940476373
SNP_P1_215505_44990	NW_004516319.1	Scaffold992	44990	AA	GG	1940476374
SNP_P1_215507_46313	NW_004516319.1	Scaffold992	46313	AA	TT	1940476375
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SNP_P1_215509_46359	NW_004516319.1	Scaffold992	46359	TT	CC	1940476377
SNP_P1_215510_46367	NW_004516319.1	Scaffold992	46367	TT	CC	1940476378
SNP_P1_215511_46392	NW_004516319.1	Scaffold992	46392	GG	CC	1940476379
SNP_P1_215512_47917	NW_004516319.1	Scaffold992	47917	GG	CC	1940476380
SNP_P1_215513_48486	NW_004516319.1	Scaffold992	48486	CC	TT	1940476381
SNP_P1_215514_48531	NW_004516319.1	Scaffold992	48531	GG	AA	1940476382
SNP_P1_215515_49137	NW_004516319.1	Scaffold992	49137	TT	GG	1940476383
SNP_P1_215516_49467	NW_004516319.1	Scaffold992	49467	AA	CC	1940476384
SNP_P1_215517_49520	NW_004516319.1	Scaffold992	49520	CC	AA	1940476385
SNP_P1_215518_49525	NW_004516319.1	Scaffold992	49525	TT	CC	1940476386
SNP_P1_215519_49601	NW_004516319.1	Scaffold992	49601	GG	TT	1940476387

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215521_696	NW_004516320.1	Scaffold993	696	TT	AA	1940476389
SNP_P1_215522_730	NW_004516320.1	Scaffold993	730	AA	GG	1940476390
SNP_P1_215523_760	NW_004516320.1	Scaffold993	760	AA	GG	1940476391
SNP_P1_215524_1254	NW_004516320.1	Scaffold993	1254	AA	GG	1940476392
SNP_P1_215525_1500	NW_004516320.1	Scaffold993	1500	AA	CC	1940476393
SNP_P1_215526_1567	NW_004516320.1	Scaffold993	1567	AA	CC	1940476394
SNP_P1_215527_15279	NW_004516321.1	Scaffold996	15279	CC	TT	1940476395
SNP_P1_215528_17563	NW_004516321.1	Scaffold996	17563	CC	AA	1940476396
SNP_P1_215529_27645	NW_004516321.1	Scaffold996	27645	AA	TT	1940476397
SNP_P1_215530_27705	NW_004516321.1	Scaffold996	27705	AA	CC	1940476398
SNP_P1_215531_27724	NW_004516321.1	Scaffold996	27724	TT	CC	1940476399
SNP_P1_215534_45414	NW_004516321.1	Scaffold996	45414	TT	CC	1940476400
SNP_P1_215535_45416	NW_004516321.1	Scaffold996	45416	TT	CC	1940476401
SNP_P1_215536_51572	NW_004516321.1	Scaffold996	51572	AA	TT	1940476402
SNP_P1_215537_87538	NW_004516321.1	Scaffold996	87538	CC	TT	1940476403
SNP_P1_215539_87622	NW_004516321.1	Scaffold996	87622	AA	CC	1940476404
SNP_P1_215540_87701	NW_004516321.1	Scaffold996	87701	AA	GG	1940476405
SNP_P1_215541_87890	NW_004516321.1	Scaffold996	87890	AA	CC	1940476406
SNP_P1_215542_88226	NW_004516321.1	Scaffold996	88226	GG	AA	1940476407
SNP_P1_215543_88425	NW_004516321.1	Scaffold996	88425	CC	GG	1940476408
SNP_P1_215544_88738	NW_004516321.1	Scaffold996	88738	AA	TT	1940476409
SNP_P1_215545_89585	NW_004516321.1	Scaffold996	89585	CC	TT	1940476410
SNP_P1_215546_89672	NW_004516321.1	Scaffold996	89672	GG	AA	1940476411
SNP_P1_215547_90711	NW_004516321.1	Scaffold996	90711	CC	TT	1940476412
SNP_P1_215548_94718	NW_004516321.1	Scaffold996	94718	TT	CC	1940476413
SNP_P1_215549_97002	NW_004516321.1	Scaffold996	97002	CC	AA	1940476414
SNP_P1_215550_112690	NW_004516321.1	Scaffold996	112690	TT	AA	1940476415
SNP_P1_215552_113935	NW_004516321.1	Scaffold996	113935	GG	AA	1940476416
SNP_P1_215553_131285	NW_004516321.1	Scaffold996	131285	CC	TT	1940476417
SNP_P1_215554_142973	NW_004516321.1	Scaffold996	142973	GG	CC	1940476418
SNP_P1_215555_145501	NW_004516321.1	Scaffold996	145501	AA	GG	1940476419
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SNP_P1_215562_180333	NW_004516321.1	Scaffold996	180333	TT	CC	1940476424
SNP_P1_215563_180351	NW_004516321.1	Scaffold996	180351	GG	TT	1940476425
SNP_P1_215564_180420	NW_004516321.1	Scaffold996	180420	TT	CC	1940476426
SNP_P1_215565_180426	NW_004516321.1	Scaffold996	180426	CC	TT	1940476427
SNP_P1_215566_187885	NW_004516321.1	Scaffold996	187885	GG	AA	1940476428
SNP_P1_215567_192448	NW_004516321.1	Scaffold996	192448	TT	GG	1940476429

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215570_192778	NW_004516321.1	Scaffold996	192778	TT	AA	1940476432
SNP_P1_215571_192779	NW_004516321.1	Scaffold996	192779	CC	TT	1940476433
SNP_P1_215572_192789	NW_004516321.1	Scaffold996	192789	GG	AA	1940476434
SNP_P1_215573_192833	NW_004516321.1	Scaffold996	192833	AA	GG	1940476435
SNP_P1_215574_192835	NW_004516321.1	Scaffold996	192835	AA	GG	1940476436
SNP_P1_215576_193181	NW_004516321.1	Scaffold996	193181	TT	GG	1940476437
SNP_P1_215577_198306	NW_004516321.1	Scaffold996	198306	AA	TT	1940476438
SNP_P1_215578_199473	NW_004516321.1	Scaffold996	199473	CC	AA	1940476439
SNP_P1_215579_199493	NW_004516321.1	Scaffold996	199493	AA	TT	1940476440
SNP_P1_215580_200969	NW_004516321.1	Scaffold996	200969	TT	GG	1940476441
SNP_P1_215581_201045	NW_004516321.1	Scaffold996	201045	GG	AA	1940476442
SNP_P1_215582_202118	NW_004516321.1	Scaffold996	202118	TT	GG	1940476443
SNP_P1_215583_202604	NW_004516321.1	Scaffold996	202604	GG	TT	1940476444
SNP_P1_215584_202650	NW_004516321.1	Scaffold996	202650	AA	TT	1940476445
SNP_P1_215586_987	NW_004516322.1	Scaffold997	987	CC	TT	1940476446
SNP_P1_215587_2907	NW_004516322.1	Scaffold997	2907	GG	TT	1940476447
SNP_P1_215588_2979	NW_004516322.1	Scaffold997	2979	AA	GG	1940476448
SNP_P1_215589_3015	NW_004516322.1	Scaffold997	3015	GG	AA	1940476449
SNP_P1_215590_3018	NW_004516322.1	Scaffold997	3018	GG	AA	1940476450
SNP_P1_215591_3025	NW_004516322.1	Scaffold997	3025	AA	GG	1940476451
SNP_P1_215592_3030	NW_004516322.1	Scaffold997	3030	GG	AA	1940476452
SNP_P1_215593_3071	NW_004516322.1	Scaffold997	3071	TT	GG	1940476453
SNP_P1_215595_3110	NW_004516322.1	Scaffold997	3110	TT	CC	1940476454
SNP_P1_215596_3137	NW_004516322.1	Scaffold997	3137	GG	TT	1940476455
SNP_P1_215597_3145	NW_004516322.1	Scaffold997	3145	TT	CC	1940476456
SNP_P1_215598_3212	NW_004516322.1	Scaffold997	3212	AA	GG	1940476457
SNP_P1_215599_3266	NW_004516322.1	Scaffold997	3266	CC	AA	1940476458
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SNP_P1_215608_12671	NW_004516322.1	Scaffold997	12671	TT	AA	1940476468
SNP_P1_215609_12740	NW_004516322.1	Scaffold997	12740	GG	AA	1940476469
SNP_P1_215610_12764	NW_004516322.1	Scaffold997	12764	GG	CC	1940476470
SNP_P1_215611_12785	NW_004516322.1	Scaffold997	12785	AA	CC	1940476471
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215615_19244	NW_004516322.1	Scaffold997	19244	TT	CC	1940476475
SNP_P1_215616_20114	NW_004516322.1	Scaffold997	20114	CC	TT	1940476476
SNP_P1_215617_20205	NW_004516322.1	Scaffold997	20205	GG	TT	1940476477
SNP_P1_215618_20676	NW_004516322.1	Scaffold997	20676	TT	CC	1940476478
SNP_P1_215619_21786	NW_004516322.1	Scaffold997	21786	TT	AA	1940476479
SNP_P1_215620_5079	NW_004516324.1	Scaffold999	5079	AA	GG	1940476480
SNP_P1_215621_5576	NW_004516324.1	Scaffold999	5576	GG	TT	1940476481
SNP_P1_215622_5577	NW_004516324.1	Scaffold999	5577	AA	GG	1940476482
SNP_P1_215623_23739	NW_004516324.1	Scaffold999	23739	CC	TT	1940476483
SNP_P1_215624_37060	NW_004516324.1	Scaffold999	37060	GG	AA	1940476484
SNP_P1_215625_38765	NW_004516324.1	Scaffold999	38765	GG	AA	1940476485
SNP_P1_215626_58256	NW_004516324.1	Scaffold999	58256	AA	TT	1940476486
SNP_P1_215627_67874	NW_004516324.1	Scaffold999	67874	AA	TT	1940476487
SNP_P1_215628_69680	NW_004516324.1	Scaffold999	69680	GG	AA	1940476488
SNP_P1_215629_69745	NW_004516324.1	Scaffold999	69745	TT	AA	1940476489
SNP_P1_215630_69825	NW_004516324.1	Scaffold999	69825	TT	CC	1940476490
SNP_P1_215631_69840	NW_004516324.1	Scaffold999	69840	AA	GG	1940476491
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SNP_P1_215633_69858	NW_004516324.1	Scaffold999	69858	TT	CC	1940476493
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SNP_P1_215635_69991	NW_004516324.1	Scaffold999	69991	TT	AA	1940476495
SNP_P1_215636_69996	NW_004516324.1	Scaffold999	69996	GG	AA	1940476496
SNP_P1_215637_70197	NW_004516324.1	Scaffold999	70197	TT	GG	1940476497
SNP_P1_215638_70384	NW_004516324.1	Scaffold999	70384	GG	TT	1940476498
SNP_P1_215639_70388	NW_004516324.1	Scaffold999	70388	TT	CC	1940476499
SNP_P1_215640_70398	NW_004516324.1	Scaffold999	70398	AA	GG	1940476500
SNP_P1_215641_74697	NW_004516324.1	Scaffold999	74697	AA	GG	1940476501
SNP_P1_215642_74763	NW_004516324.1	Scaffold999	74763	AA	CC	1940476502
SNP_P1_215643_75861	NW_004516324.1	Scaffold999	75861	TT	GG	1940476503
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SNP_P1_215648_98332	NW_004516324.1	Scaffold999	98332	CC	AA	1940476507
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SNP_P1_215650_115645	NW_004516324.1	Scaffold999	115645	CC	AA	1940476509
SNP_P1_215651_118008	NW_004516324.1	Scaffold999	118008	TT	CC	1940476510
SNP_P1_215652_122158	NW_004516324.1	Scaffold999	122158	AA	CC	1940476511
SNP_P1_215653_123696	NW_004516324.1	Scaffold999	123696	GG	TT	1940476512
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215660_130282	NW_004516324.1	Scaffold999	130282	AA	GG	1940476518
SNP_P1_215661_130314	NW_004516324.1	Scaffold999	130314	AA	TT	1940476519
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SNP_P1_215666_130564	NW_004516324.1	Scaffold999	130564	GG	AA	1940476523
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SNP_P1_215669_130677	NW_004516324.1	Scaffold999	130677	GG	AA	1940476525
SNP_P1_215670_130681	NW_004516324.1	Scaffold999	130681	TT	AA	1940476526
SNP_P1_215671_130769	NW_004516324.1	Scaffold999	130769	GG	AA	1940476527
SNP_P1_215672_132630	NW_004516324.1	Scaffold999	132630	TT	AA	1940476528
SNP_P1_215673_132645	NW_004516324.1	Scaffold999	132645	AA	GG	1940476529
SNP_P1_215674_132671	NW_004516324.1	Scaffold999	132671	TT	CC	1940476530
SNP_P1_215675_132934	NW_004516324.1	Scaffold999	132934	CC	TT	1940476531
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SNP_P1_215684_149238	NW_004516324.1	Scaffold999	149238	CC	TT	1940476540
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SNP_P1_215690_155368	NW_004516324.1	Scaffold999	155368	GG	AA	1940476546
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215704_13196	NW_004516326.1	Scaffold1003	13196	AA	GG	1940476560
SNP_P1_215705_13541	NW_004516326.1	Scaffold1003	13541	AA	GG	1940476561
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SNP_P1_215712_14066	NW_004516326.1	Scaffold1003	14066	CC	AA	1940476567
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SNP_P1_215747_63490	NW_004516329.1	Scaffold1006	63490	AA	CC	1940476597
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215761_102483	NW_004516329.1	Scaffold1006	102483	AA	GG	1940476610
SNP_P1_215762_102494	NW_004516329.1	Scaffold1006	102494	TT	GG	1940476611
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SNP_P1_215782_126255	NW_004516329.1	Scaffold1006	126255	CC	AA	1940476630
SNP_P1_215783_126274	NW_004516329.1	Scaffold1006	126274	TT	AA	1940476631
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SNP_P1_215788_126641	NW_004516329.1	Scaffold1006	126641	TT	CC	1940476635
SNP_P1_215789_126840	NW_004516329.1	Scaffold1006	126840	CC	TT	1940476636
SNP_P1_215790_127083	NW_004516329.1	Scaffold1006	127083	CC	TT	1940476637
SNP_P1_215791_127476	NW_004516329.1	Scaffold1006	127476	TT	CC	1940476638
SNP_P1_215792_127567	NW_004516329.1	Scaffold1006	127567	AA	GG	1940476639
SNP_P1_215793_127569	NW_004516329.1	Scaffold1006	127569	AA	GG	1940476640
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215796_127829	NW_004516329.1	Scaffold1006	127829	GG	TT	1940476643
SNP_P1_215797_127846	NW_004516329.1	Scaffold1006	127846	AA	TT	1940476644
SNP_P1_215798_127911	NW_004516329.1	Scaffold1006	127911	TT	CC	1940476645
SNP_P1_215799_127971	NW_004516329.1	Scaffold1006	127971	CC	AA	1940476646
SNP_P1_215800_128096	NW_004516329.1	Scaffold1006	128096	GG	TT	1940476647
SNP_P1_215801_128106	NW_004516329.1	Scaffold1006	128106	GG	TT	1940476648
SNP_P1_215802_128165	NW_004516329.1	Scaffold1006	128165	AA	CC	1940476649
SNP_P1_215804_155936	NW_004516329.1	Scaffold1006	155936	AA	GG	1940476650
SNP_P1_215805_156043	NW_004516329.1	Scaffold1006	156043	GG	AA	1940476651
SNP_P1_215807_162183	NW_004516329.1	Scaffold1006	162183	CC	TT	1940476652
SNP_P1_215808_162222	NW_004516329.1	Scaffold1006	162222	TT	CC	1940476653
SNP_P1_215809_165176	NW_004516329.1	Scaffold1006	165176	CC	TT	1940476654
SNP_P1_215810_165211	NW_004516329.1	Scaffold1006	165211	TT	AA	1940476655
SNP_P1_215811_165406	NW_004516329.1	Scaffold1006	165406	AA	CC	1940476656
SNP_P1_215812_165451	NW_004516329.1	Scaffold1006	165451	CC	TT	1940476657
SNP_P1_215813_165479	NW_004516329.1	Scaffold1006	165479	TT	CC	1940476658
SNP_P1_215814_165502	NW_004516329.1	Scaffold1006	165502	CC	AA	1940476659
SNP_P1_215815_165670	NW_004516329.1	Scaffold1006	165670	TT	CC	1940476660
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SNP_P1_215817_196838	NW_004516329.1	Scaffold1006	196838	AA	GG	1940476662
SNP_P1_215818_196847	NW_004516329.1	Scaffold1006	196847	AA	GG	1940476663
SNP_P1_215819_196865	NW_004516329.1	Scaffold1006	196865	TT	CC	1940476664
SNP_P1_215820_196876	NW_004516329.1	Scaffold1006	196876	AA	GG	1940476665
SNP_P1_215821_196949	NW_004516329.1	Scaffold1006	196949	TT	GG	1940476666
SNP_P1_215822_196950	NW_004516329.1	Scaffold1006	196950	AA	GG	1940476667
SNP_P1_215823_196996	NW_004516329.1	Scaffold1006	196996	TT	CC	1940476668
SNP_P1_215824_197194	NW_004516329.1	Scaffold1006	197194	TT	CC	1940476669
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SNP_P1_215827_228458	NW_004516329.1	Scaffold1006	228458	AA	GG	1940476671
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SNP_P1_215833_324054	NW_004516329.1	Scaffold1006	324054	GG	AA	1940476676
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SNP_P1_215835_336832	NW_004516329.1	Scaffold1006	336832	CC	TT	1940476678
SNP_P1_215836_378044	NW_004516329.1	Scaffold1006	378044	GG	AA	1940476679
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SNP_P1_215839_400007	NW_004516329.1	Scaffold1006	400007	CC	AA	1940476681
SNP_P1_215841_407883	NW_004516329.1	Scaffold1006	407883	TT	CC	1940476682
SNP_P1_215842_413812	NW_004516329.1	Scaffold1006	413812	CC	GG	1940476683

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215845_448330	NW_004516329.1	Scaffold1006	448330	AA	GG	1940476686
SNP_P1_215846_450490	NW_004516329.1	Scaffold1006	450490	AA	GG	1940476687
SNP_P1_215848_460134	NW_004516329.1	Scaffold1006	460134	AA	TT	1940476688
SNP_P1_215849_484085	NW_004516329.1	Scaffold1006	484085	CC	TT	1940476689
SNP_P1_215850_486278	NW_004516329.1	Scaffold1006	486278	AA	TT	1940476690
SNP_P1_215853_537070	NW_004516329.1	Scaffold1006	537070	TT	CC	1940476691
SNP_P1_215854_556120	NW_004516329.1	Scaffold1006	556120	TT	CC	1940476692
SNP_P1_215855_558901	NW_004516329.1	Scaffold1006	558901	GG	TT	1940476693
SNP_P1_215856_558904	NW_004516329.1	Scaffold1006	558904	AA	CC	1940476694
SNP_P1_215857_558959	NW_004516329.1	Scaffold1006	558959	CC	TT	1940476695
SNP_P1_215858_558982	NW_004516329.1	Scaffold1006	558982	AA	GG	1940476696
SNP_P1_215860_559403	NW_004516329.1	Scaffold1006	559403	AA	GG	1940476697
SNP_P1_215861_559480	NW_004516329.1	Scaffold1006	559480	GG	TT	1940476698
SNP_P1_215862_567575	NW_004516329.1	Scaffold1006	567575	CC	TT	1940476699
SNP_P1_215863_567867	NW_004516329.1	Scaffold1006	567867	TT	CC	1940476700
SNP_P1_215864_567906	NW_004516329.1	Scaffold1006	567906	AA	GG	1940476701
SNP_P1_215865_567972	NW_004516329.1	Scaffold1006	567972	GG	AA	1940476702
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SNP_P1_215869_578359	NW_004516329.1	Scaffold1006	578359	GG	AA	1940476706
SNP_P1_215870_578512	NW_004516329.1	Scaffold1006	578512	GG	CC	1940476707
SNP_P1_215871_578610	NW_004516329.1	Scaffold1006	578610	GG	AA	1940476708
SNP_P1_215872_578655	NW_004516329.1	Scaffold1006	578655	GG	AA	1940476709
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SNP_P1_215874_583386	NW_004516329.1	Scaffold1006	583386	TT	AA	1940476711
SNP_P1_215875_583389	NW_004516329.1	Scaffold1006	583389	CC	GG	1940476712
SNP_P1_215876_583438	NW_004516329.1	Scaffold1006	583438	CC	GG	1940476713
SNP_P1_215877_583439	NW_004516329.1	Scaffold1006	583439	TT	GG	1940476714
SNP_P1_215878_583459	NW_004516329.1	Scaffold1006	583459	AA	GG	1940476715
SNP_P1_215880_601415	NW_004516329.1	Scaffold1006	601415	CC	TT	1940476716
SNP_P1_215883_667489	NW_004516329.1	Scaffold1006	667489	TT	CC	1940476717
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SNP_P1_215886_688236	NW_004516329.1	Scaffold1006	688236	AA	TT	1940476719
SNP_P1_215887_688329	NW_004516329.1	Scaffold1006	688329	CC	TT	1940476720
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SNP_P1_215889_3970	NW_004516331.1	Scaffold1008	3970	TT	AA	1940476722
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SNP_P1_215891_12134	NW_004516331.1	Scaffold1008	12134	CC	TT	1940476724
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215895_12385	NW_004516331.1	Scaffold1008	12385	CC	TT	1940476728
SNP_P1_215896_12419	NW_004516331.1	Scaffold1008	12419	CC	GG	1940476729
SNP_P1_215897_12584	NW_004516331.1	Scaffold1008	12584	TT	CC	1940476730
SNP_P1_215898_12626	NW_004516331.1	Scaffold1008	12626	TT	GG	1940476731
SNP_P1_215900_12723	NW_004516331.1	Scaffold1008	12723	AA	GG	1940476732
SNP_P1_215901_12734	NW_004516331.1	Scaffold1008	12734	CC	AA	1940476733
SNP_P1_215902_13040	NW_004516331.1	Scaffold1008	13040	CC	TT	1940476734
SNP_P1_215903_13172	NW_004516331.1	Scaffold1008	13172	AA	GG	1940476735
SNP_P1_215904_13296	NW_004516331.1	Scaffold1008	13296	AA	TT	1940476736
SNP_P1_215905_13314	NW_004516331.1	Scaffold1008	13314	GG	AA	1940476737
SNP_P1_215906_13398	NW_004516331.1	Scaffold1008	13398	TT	AA	1940476738
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SNP_P1_215908_13415	NW_004516331.1	Scaffold1008	13415	AA	TT	1940476740
SNP_P1_215909_13422	NW_004516331.1	Scaffold1008	13422	GG	AA	1940476741
SNP_P1_215910_13428	NW_004516331.1	Scaffold1008	13428	CC	AA	1940476742
SNP_P1_215911_13433	NW_004516331.1	Scaffold1008	13433	TT	CC	1940476743
SNP_P1_215912_13436	NW_004516331.1	Scaffold1008	13436	GG	TT	1940476744
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SNP_P1_215914_14646	NW_004516331.1	Scaffold1008	14646	TT	CC	1940476746
SNP_P1_215915_14667	NW_004516331.1	Scaffold1008	14667	CC	TT	1940476747
SNP_P1_215916_14738	NW_004516331.1	Scaffold1008	14738	TT	CC	1940476748
SNP_P1_215917_14816	NW_004516331.1	Scaffold1008	14816	AA	GG	1940476749
SNP_P1_215918_14836	NW_004516331.1	Scaffold1008	14836	AA	TT	1940476751
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SNP_P1_215920_20374	NW_004516331.1	Scaffold1008	20374	TT	CC	1940476753
SNP_P1_215921_20375	NW_004516331.1	Scaffold1008	20375	TT	GG	1940476754
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SNP_P1_215924_23023	NW_004516331.1	Scaffold1008	23023	TT	GG	1940476756
SNP_P1_215925_23499	NW_004516331.1	Scaffold1008	23499	AA	GG	1940476757
SNP_P1_215926_39867	NW_004516331.1	Scaffold1008	39867	CC	AA	1940476758
SNP_P1_215927_39883	NW_004516331.1	Scaffold1008	39883	CC	AA	1940476759
SNP_P1_215928_40575	NW_004516331.1	Scaffold1008	40575	TT	GG	1940476760
SNP_P1_215929_42259	NW_004516331.1	Scaffold1008	42259	GG	AA	1940476761
SNP_P1_215930_42269	NW_004516331.1	Scaffold1008	42269	GG	AA	1940476762
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SNP_P1_215932_42331	NW_004516331.1	Scaffold1008	42331	TT	CC	1940476764
SNP_P1_215933_42459	NW_004516331.1	Scaffold1008	42459	TT	CC	1940476765
SNP_P1_215934_42506	NW_004516331.1	Scaffold1008	42506	AA	CC	1940476766
SNP_P1_215935_42531	NW_004516331.1	Scaffold1008	42531	AA	GG	1940476767
SNP_P1_215936_42542	NW_004516331.1	Scaffold1008	42542	CC	AA	1940476768

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215939_42661	NW_004516331.1	Scaffold1008	42661	CC	TT	1940476771
SNP_P1_215940_42754	NW_004516331.1	Scaffold1008	42754	CC	TT	1940476772
SNP_P1_215941_42853	NW_004516331.1	Scaffold1008	42853	GG	AA	1940476773
SNP_P1_215942_42865	NW_004516331.1	Scaffold1008	42865	CC	TT	1940476774
SNP_P1_215943_48307	NW_004516331.1	Scaffold1008	48307	CC	TT	1940476775
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SNP_P1_215945_54398	NW_004516331.1	Scaffold1008	54398	CC	TT	1940476777
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SNP_P1_215962_62128	NW_004516331.1	Scaffold1008	62128	GG	TT	1940476794
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SNP_P1_215964_80685	NW_004516331.1	Scaffold1008	80685	CC	TT	1940476796
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SNP_P1_215968_843	NW_004516333.1	Scaffold1010	843	TT	CC	1940476798
SNP_P1_215970_6415	NW_004516333.1	Scaffold1010	6415	GG	TT	1940476799
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SNP_P1_215980_52771	NW_004516333.1	Scaffold1010	52771	TT	AA	1940476808
SNP_P1_215981_52805	NW_004516333.1	Scaffold1010	52805	TT	CC	1940476809
SNP_P1_215982_52878	NW_004516333.1	Scaffold1010	52878	AA	GG	1940476810

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_215987_94665	NW_004516333.1	Scaffold1010	94665	AA	GG	1940476815
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SNP_P1_216008_155720	NW_004516333.1	Scaffold1010	155720	CC	TT	1940476833
SNP_P1_216009_158198	NW_004516333.1	Scaffold1010	158198	AA	CC	1940476834
SNP_P1_216011_158470	NW_004516333.1	Scaffold1010	158470	CC	TT	1940476835
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SNP_P1_216013_160806	NW_004516333.1	Scaffold1010	160806	GG	AA	1940476837
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SNP_P1_216015_161277	NW_004516333.1	Scaffold1010	161277	TT	AA	1940476839
SNP_P1_216016_17797	NW_004516335.1	Scaffold1013	17797	AA	TT	1940476840
SNP_P1_216017_20253	NW_004516335.1	Scaffold1013	20253	GG	AA	1940476841
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SNP_P1_216022_50893	NW_004516335.1	Scaffold1013	50893	GG	AA	1940476844
SNP_P1_216023_51387	NW_004516335.1	Scaffold1013	51387	GG	CC	1940476845
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SNP_P1_216025_61008	NW_004516335.1	Scaffold1013	61008	AA	TT	1940476847
SNP_P1_216026_61242	NW_004516335.1	Scaffold1013	61242	GG	TT	1940476848
SNP_P1_216027_64633	NW_004516335.1	Scaffold1013	64633	CC	AA	1940476849
SNP_P1_216028_66528	NW_004516335.1	Scaffold1013	66528	TT	CC	1940476850
SNP_P1_216029_70154	NW_004516335.1	Scaffold1013	70154	AA	GG	1940476851
SNP_P1_216031_83989	NW_004516335.1	Scaffold1013	83989	GG	AA	1940476852

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_216032_86406	NW_004516335.1	Scaffold1013	86406	AA	GG	1940476853
SNP_P1_216033_86463	NW_004516335.1	Scaffold1013	86463	TT	CC	1940476854
SNP_P1_216034_86966	NW_004516335.1	Scaffold1013	86966	AA	CC	1940476855
SNP_P1_216035_89533	NW_004516335.1	Scaffold1013	89533	AA	GG	1940476856
SNP_P1_216036_98414	NW_004516335.1	Scaffold1013	98414	AA	GG	1940476857
SNP_P1_216037_345	NW_004516337.1	Scaffold1017	345	AA	CC	1940476858
SNP_P1_216038_365	NW_004516337.1	Scaffold1017	365	AA	TT	1940476859
SNP_P1_216039_409	NW_004516337.1	Scaffold1017	409	GG	AA	1940476860
SNP_P1_216040_9561	NW_004516337.1	Scaffold1017	9561	TT	AA	1940476861
SNP_P1_216041_9643	NW_004516337.1	Scaffold1017	9643	TT	CC	1940476862
SNP_P1_216042_9893	NW_004516337.1	Scaffold1017	9893	GG	CC	1940476863
SNP_P1_216043_10606	NW_004516337.1	Scaffold1017	10606	AA	GG	1940476864
SNP_P1_216044_10629	NW_004516337.1	Scaffold1017	10629	AA	CC	1940476865
SNP_P1_216046_10915	NW_004516337.1	Scaffold1017	10915	CC	TT	1940476866
SNP_P1_216047_12671	NW_004516337.1	Scaffold1017	12671	TT	CC	1940476867
SNP_P1_216048_12790	NW_004516337.1	Scaffold1017	12790	GG	AA	1940476868
SNP_P1_216049_12792	NW_004516337.1	Scaffold1017	12792	TT	GG	1940476869
SNP_P1_216050_12846	NW_004516337.1	Scaffold1017	12846	CC	TT	1940476870
SNP_P1_216051_12879	NW_004516337.1	Scaffold1017	12879	GG	CC	1940476871
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SNP_P1_216056_13051	NW_004516337.1	Scaffold1017	13051	CC	TT	1940476876
SNP_P1_216057_13067	NW_004516337.1	Scaffold1017	13067	TT	CC	1940476877
SNP_P1_216058_13129	NW_004516337.1	Scaffold1017	13129	TT	GG	1940476878
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SNP_P1_216060_13143	NW_004516337.1	Scaffold1017	13143	CC	TT	1940476880
SNP_P1_216061_13273	NW_004516337.1	Scaffold1017	13273	GG	AA	1940476881
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SNP_P1_216071_13811	NW_004516337.1	Scaffold1017	13811	CC	TT	1940476891
SNP_P1_216072_13831	NW_004516337.1	Scaffold1017	13831	GG	TT	1940476892
SNP_P1_216073_13984	NW_004516337.1	Scaffold1017	13984	TT	CC	1940476893
SNP_P1_216074_14007	NW_004516337.1	Scaffold1017	14007	CC	TT	1940476894

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216076_14050	NW_004516337.1	Scaffold1017	14050	GG	TT	1940476896
SNP_P1_216077_14067	NW_004516337.1	Scaffold1017	14067	CC	TT	1940476897
SNP_P1_216078_14106	NW_004516337.1	Scaffold1017	14106	TT	CC	1940476898
SNP_P1_216079_14119	NW_004516337.1	Scaffold1017	14119	GG	AA	1940476899
SNP_P1_216080_14142	NW_004516337.1	Scaffold1017	14142	CC	TT	1940476900
SNP_P1_216081_14232	NW_004516337.1	Scaffold1017	14232	AA	CC	1940476901
SNP_P1_216082_14252	NW_004516337.1	Scaffold1017	14252	AA	GG	1940476902
SNP_P1_216083_14266	NW_004516337.1	Scaffold1017	14266	AA	GG	1940476903
SNP_P1_216084_14272	NW_004516337.1	Scaffold1017	14272	GG	AA	1940476904
SNP_P1_216085_14304	NW_004516337.1	Scaffold1017	14304	TT	CC	1940476906
SNP_P1_216086_14351	NW_004516337.1	Scaffold1017	14351	GG	AA	1940476907
SNP_P1_216087_14373	NW_004516337.1	Scaffold1017	14373	AA	GG	1940476908
SNP_P1_216088_14391	NW_004516337.1	Scaffold1017	14391	CC	TT	1940476909
SNP_P1_216089_14396	NW_004516337.1	Scaffold1017	14396	CC	AA	1940476910
SNP_P1_216090_14417	NW_004516337.1	Scaffold1017	14417	CC	TT	1940476911
SNP_P1_216091_14429	NW_004516337.1	Scaffold1017	14429	CC	TT	1940476912
SNP_P1_216092_15172	NW_004516337.1	Scaffold1017	15172	AA	GG	1940476913
SNP_P1_216093_15253	NW_004516337.1	Scaffold1017	15253	AA	GG	1940476914
SNP_P1_216094_19214	NW_004516337.1	Scaffold1017	19214	CC	TT	1940476915
SNP_P1_216095_19224	NW_004516337.1	Scaffold1017	19224	CC	AA	1940476916
SNP_P1_216096_19303	NW_004516337.1	Scaffold1017	19303	CC	AA	1940476917
SNP_P1_216097_19413	NW_004516337.1	Scaffold1017	19413	GG	AA	1940476918
SNP_P1_216098_19440	NW_004516337.1	Scaffold1017	19440	TT	CC	1940476919
SNP_P1_216099_19557	NW_004516337.1	Scaffold1017	19557	TT	GG	1940476920
SNP_P1_216100_19577	NW_004516337.1	Scaffold1017	19577	TT	GG	1940476921
SNP_P1_216101_19621	NW_004516337.1	Scaffold1017	19621	TT	CC	1940476922
SNP_P1_216102_19623	NW_004516337.1	Scaffold1017	19623	GG	AA	1940476923
SNP_P1_216103_19642	NW_004516337.1	Scaffold1017	19642	CC	AA	1940476924
SNP_P1_216104_19717	NW_004516337.1	Scaffold1017	19717	CC	AA	1940476925
SNP_P1_216105_19925	NW_004516337.1	Scaffold1017	19925	AA	CC	1940476926
SNP_P1_216106_20525	NW_004516337.1	Scaffold1017	20525	TT	AA	1940476927
SNP_P1_216107_20846	NW_004516337.1	Scaffold1017	20846	AA	TT	1940476928
SNP_P1_216108_20912	NW_004516337.1	Scaffold1017	20912	AA	CC	1940476929
SNP_P1_216109_21046	NW_004516337.1	Scaffold1017	21046	TT	CC	1940476930
SNP_P1_216110_21235	NW_004516337.1	Scaffold1017	21235	CC	TT	1940476931
SNP_P1_216111_26834	NW_004516337.1	Scaffold1017	26834	GG	CC	1940476932
SNP_P1_216112_27209	NW_004516337.1	Scaffold1017	27209	CC	TT	1940476933
SNP_P1_216113_27213	NW_004516337.1	Scaffold1017	27213	TT	CC	1940476934
SNP_P1_216114_27959	NW_004516337.1	Scaffold1017	27959	CC	AA	1940476935
SNP_P1_216115_27976	NW_004516337.1	Scaffold1017	27976	TT	CC	1940476936
SNP_P1_216116_28022	NW_004516337.1	Scaffold1017	28022	GG	AA	1940476937

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216119_28478	NW_004516337.1	Scaffold1017	28478	GG	AA	1940476940
SNP_P1_216120_28862	NW_004516337.1	Scaffold1017	28862	AA	GG	1940476941
SNP_P1_216121_28893	NW_004516337.1	Scaffold1017	28893	AA	GG	1940476942
SNP_P1_216122_29575	NW_004516337.1	Scaffold1017	29575	AA	TT	1940476943
SNP_P1_216123_29593	NW_004516337.1	Scaffold1017	29593	GG	CC	1940476944
SNP_P1_216124_29615	NW_004516337.1	Scaffold1017	29615	TT	AA	1940476945
SNP_P1_216125_29649	NW_004516337.1	Scaffold1017	29649	CC	GG	1940476946
SNP_P1_216126_29722	NW_004516337.1	Scaffold1017	29722	CC	TT	1940476947
SNP_P1_216127_29731	NW_004516337.1	Scaffold1017	29731	GG	TT	1940476948
SNP_P1_216128_29737	NW_004516337.1	Scaffold1017	29737	AA	GG	1940476949
SNP_P1_216129_29752	NW_004516337.1	Scaffold1017	29752	TT	AA	1940476950
SNP_P1_216130_29947	NW_004516337.1	Scaffold1017	29947	CC	AA	1940476951
SNP_P1_216131_30015	NW_004516337.1	Scaffold1017	30015	AA	GG	1940476952
SNP_P1_216132_30025	NW_004516337.1	Scaffold1017	30025	AA	CC	1940476953
SNP_P1_216133_30070	NW_004516337.1	Scaffold1017	30070	AA	CC	1940476954
SNP_P1_216134_30094	NW_004516337.1	Scaffold1017	30094	AA	TT	1940476955
SNP_P1_216135_30320	NW_004516337.1	Scaffold1017	30320	CC	GG	1940476956
SNP_P1_216136_31579	NW_004516337.1	Scaffold1017	31579	TT	CC	1940476957
SNP_P1_216137_32173	NW_004516337.1	Scaffold1017	32173	TT	CC	1940476958
SNP_P1_216138_32303	NW_004516337.1	Scaffold1017	32303	TT	GG	1940476959
SNP_P1_216139_32306	NW_004516337.1	Scaffold1017	32306	CC	TT	1940476960
SNP_P1_216140_32319	NW_004516337.1	Scaffold1017	32319	CC	AA	1940476961
SNP_P1_216141_32499	NW_004516337.1	Scaffold1017	32499	TT	CC	1940476962
SNP_P1_216142_32500	NW_004516337.1	Scaffold1017	32500	AA	GG	1940476963
SNP_P1_216143_32501	NW_004516337.1	Scaffold1017	32501	AA	TT	1940476964
SNP_P1_216144_32658	NW_004516337.1	Scaffold1017	32658	AA	GG	1940476965
SNP_P1_216145_32713	NW_004516337.1	Scaffold1017	32713	TT	CC	1940476966
SNP_P1_216146_38563	NW_004516337.1	Scaffold1017	38563	CC	AA	1940476967
SNP_P1_216147_38578	NW_004516337.1	Scaffold1017	38578	GG	AA	1940476968
SNP_P1_216148_38606	NW_004516337.1	Scaffold1017	38606	GG	AA	1940476969
SNP_P1_216149_38728	NW_004516337.1	Scaffold1017	38728	AA	CC	1940476970
SNP_P1_216150_38729	NW_004516337.1	Scaffold1017	38729	TT	AA	1940476971
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SNP_P1_216152_38902	NW_004516337.1	Scaffold1017	38902	TT	GG	1940476973
SNP_P1_216153_42450	NW_004516337.1	Scaffold1017	42450	AA	TT	1940476974
SNP_P1_216154_42508	NW_004516337.1	Scaffold1017	42508	GG	AA	1940476975
SNP_P1_216155_42609	NW_004516337.1	Scaffold1017	42609	CC	TT	1940476976
SNP_P1_216156_42674	NW_004516337.1	Scaffold1017	42674	TT	AA	1940476977
SNP_P1_216157_42773	NW_004516337.1	Scaffold1017	42773	AA	TT	1940476978
SNP_P1_216158_42868	NW_004516337.1	Scaffold1017	42868	CC	TT	1940476979

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216161_43334	NW_004516337.1	Scaffold1017	43334	AA	GG	1940476982
SNP_P1_216162_43400	NW_004516337.1	Scaffold1017	43400	GG	TT	1940476983
SNP_P1_216163_43450	NW_004516337.1	Scaffold1017	43450	CC	TT	1940476984
SNP_P1_216164_43514	NW_004516337.1	Scaffold1017	43514	CC	TT	1940476985
SNP_P1_216165_43517	NW_004516337.1	Scaffold1017	43517	CC	TT	1940476986
SNP_P1_216166_43557	NW_004516337.1	Scaffold1017	43557	CC	GG	1940476987
SNP_P1_216167_50337	NW_004516337.1	Scaffold1017	50337	AA	GG	1940476988
SNP_P1_216168_50381	NW_004516337.1	Scaffold1017	50381	CC	TT	1940476989
SNP_P1_216169_1225	NW_004516338.1	Scaffold1020	1225	GG	CC	1940476990
SNP_P1_216170_1402	NW_004516338.1	Scaffold1020	1402	AA	GG	1940476991
SNP_P1_216171_1572	NW_004516338.1	Scaffold1020	1572	AA	GG	1940476992
SNP_P1_216172_1623	NW_004516338.1	Scaffold1020	1623	AA	GG	1940476993
SNP_P1_216173_1785	NW_004516338.1	Scaffold1020	1785	AA	CC	1940476994
SNP_P1_216174_1813	NW_004516338.1	Scaffold1020	1813	GG	AA	1940476995
SNP_P1_216175_2008	NW_004516338.1	Scaffold1020	2008	TT	CC	1940476996
SNP_P1_216176_2115	NW_004516338.1	Scaffold1020	2115	AA	TT	1940476997
SNP_P1_216177_2145	NW_004516338.1	Scaffold1020	2145	AA	CC	1940476998
SNP_P1_216178_2164	NW_004516338.1	Scaffold1020	2164	GG	AA	1940476999
SNP_P1_216179_2181	NW_004516338.1	Scaffold1020	2181	CC	AA	1940477000
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SNP_P1_216187_27627	NW_004516338.1	Scaffold1020	27627	GG	AA	1940477007
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SNP_P1_216191_41568	NW_004516338.1	Scaffold1020	41568	GG	TT	1940477011
SNP_P1_216192_42657	NW_004516338.1	Scaffold1020	42657	CC	TT	1940477012
SNP_P1_216193_42690	NW_004516338.1	Scaffold1020	42690	CC	TT	1940477013
SNP_P1_216194_42696	NW_004516338.1	Scaffold1020	42696	TT	AA	1940477014
SNP_P1_216195_50239	NW_004516338.1	Scaffold1020	50239	TT	CC	1940477015
SNP_P1_216196_52421	NW_004516338.1	Scaffold1020	52421	TT	CC	1940477016
SNP_P1_216197_52745	NW_004516338.1	Scaffold1020	52745	TT	CC	1940477017
SNP_P1_216198_53570	NW_004516338.1	Scaffold1020	53570	TT	AA	1940477018
SNP_P1_216199_54220	NW_004516338.1	Scaffold1020	54220	CC	TT	1940477019
SNP_P1_216200_55162	NW_004516338.1	Scaffold1020	55162	GG	AA	1940477020
SNP_P1_216201_72620	NW_004516338.1	Scaffold1020	72620	CC	GG	1940477021

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216204_79529	NW_004516338.1	Scaffold1020	79529	AA	GG	1940477024
SNP_P1_216205_91580	NW_004516338.1	Scaffold1020	91580	AA	CC	1940477025
SNP_P1_216206_93437	NW_004516338.1	Scaffold1020	93437	CC	TT	1940477026
SNP_P1_216207_93443	NW_004516338.1	Scaffold1020	93443	GG	TT	1940477027
SNP_P1_216208_93458	NW_004516338.1	Scaffold1020	93458	CC	TT	1940477028
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SNP_P1_216210_104552	NW_004516338.1	Scaffold1020	104552	GG	AA	1940477030
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SNP_P1_216213_120837	NW_004516338.1	Scaffold1020	120837	GG	TT	1940477033
SNP_P1_216214_120852	NW_004516338.1	Scaffold1020	120852	GG	AA	1940477034
SNP_P1_216215_121205	NW_004516338.1	Scaffold1020	121205	TT	CC	1940477035
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SNP_P1_216217_121699	NW_004516338.1	Scaffold1020	121699	GG	AA	1940477037
SNP_P1_216218_121744	NW_004516338.1	Scaffold1020	121744	GG	AA	1940477038
SNP_P1_216219_122038	NW_004516338.1	Scaffold1020	122038	CC	GG	1940477039
SNP_P1_216220_124182	NW_004516338.1	Scaffold1020	124182	GG	AA	1940477040
SNP_P1_216221_124202	NW_004516338.1	Scaffold1020	124202	CC	AA	1940477041
SNP_P1_216222_124717	NW_004516338.1	Scaffold1020	124717	AA	GG	1940477042
SNP_P1_216223_125600	NW_004516338.1	Scaffold1020	125600	TT	CC	1940477043
SNP_P1_216224_125635	NW_004516338.1	Scaffold1020	125635	TT	CC	1940477044
SNP_P1_216225_126095	NW_004516338.1	Scaffold1020	126095	CC	TT	1940477045
SNP_P1_216226_126096	NW_004516338.1	Scaffold1020	126096	TT	CC	1940477046
SNP_P1_216227_126126	NW_004516338.1	Scaffold1020	126126	TT	CC	1940477047
SNP_P1_216228_127807	NW_004516338.1	Scaffold1020	127807	TT	CC	1940477048
SNP_P1_216229_127815	NW_004516338.1	Scaffold1020	127815	TT	CC	1940477049
SNP_P1_216230_127824	NW_004516338.1	Scaffold1020	127824	AA	CC	1940477050
SNP_P1_216231_127825	NW_004516338.1	Scaffold1020	127825	TT	CC	1940477051
SNP_P1_216232_127843	NW_004516338.1	Scaffold1020	127843	TT	CC	1940477052
SNP_P1_216233_127855	NW_004516338.1	Scaffold1020	127855	CC	TT	1940477053
SNP_P1_216234_127864	NW_004516338.1	Scaffold1020	127864	GG	AA	1940477054
SNP_P1_216235_127876	NW_004516338.1	Scaffold1020	127876	TT	CC	1940477055
SNP_P1_216236_127877	NW_004516338.1	Scaffold1020	127877	CC	TT	1940477056
SNP_P1_216237_127879	NW_004516338.1	Scaffold1020	127879	TT	AA	1940477057
SNP_P1_216238_127894	NW_004516338.1	Scaffold1020	127894	TT	CC	1940477058
SNP_P1_216239_127903	NW_004516338.1	Scaffold1020	127903	TT	CC	1940477059
SNP_P1_216240_130161	NW_004516338.1	Scaffold1020	130161	GG	AA	1940477060
SNP_P1_216241_131217	NW_004516338.1	Scaffold1020	131217	AA	GG	1940477061
SNP_P1_216242_131246	NW_004516338.1	Scaffold1020	131246	GG	AA	1940477062
SNP_P1_216243_136516	NW_004516338.1	Scaffold1020	136516	CC	TT	1940477064

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_216244_146728	NW_004516338.1	Scaffold1020	146728	CC	AA	1940477065
SNP_P1_216245_158475	NW_004516338.1	Scaffold1020	158475	CC	AA	1940477066
SNP_P1_216246_158518	NW_004516338.1	Scaffold1020	158518	GG	AA	1940477067
SNP_P1_216247_158822	NW_004516338.1	Scaffold1020	158822	CC	TT	1940477068
SNP_P1_216248_171459	NW_004516338.1	Scaffold1020	171459	CC	TT	1940477069
SNP_P1_216249_174833	NW_004516338.1	Scaffold1020	174833	CC	TT	1940477070
SNP_P1_216250_175261	NW_004516338.1	Scaffold1020	175261	TT	CC	1940477071
SNP_P1_216251_175325	NW_004516338.1	Scaffold1020	175325	CC	AA	1940477072
SNP_P1_216252_175417	NW_004516338.1	Scaffold1020	175417	TT	CC	1940477073
SNP_P1_216253_175762	NW_004516338.1	Scaffold1020	175762	GG	AA	1940477074
SNP_P1_216254_175776	NW_004516338.1	Scaffold1020	175776	CC	AA	1940477075
SNP_P1_216255_177036	NW_004516338.1	Scaffold1020	177036	CC	AA	1940477076
SNP_P1_216256_177046	NW_004516338.1	Scaffold1020	177046	TT	CC	1940477077
SNP_P1_216257_177066	NW_004516338.1	Scaffold1020	177066	AA	TT	1940477078
SNP_P1_216258_177073	NW_004516338.1	Scaffold1020	177073	CC	GG	1940477079
SNP_P1_216259_177080	NW_004516338.1	Scaffold1020	177080	GG	CC	1940477080
SNP_P1_216260_177098	NW_004516338.1	Scaffold1020	177098	CC	AA	1940477081
SNP_P1_216261_177202	NW_004516338.1	Scaffold1020	177202	GG	TT	1940477082
SNP_P1_216262_177325	NW_004516338.1	Scaffold1020	177325	GG	TT	1940477083
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SNP_P1_216264_177553	NW_004516338.1	Scaffold1020	177553	AA	GG	1940477085
SNP_P1_216265_177614	NW_004516338.1	Scaffold1020	177614	CC	TT	1940477086
SNP_P1_216266_177615	NW_004516338.1	Scaffold1020	177615	CC	TT	1940477087
SNP_P1_216267_177619	NW_004516338.1	Scaffold1020	177619	GG	AA	1940477088
SNP_P1_216268_177624	NW_004516338.1	Scaffold1020	177624	GG	AA	1940477089
SNP_P1_216269_182887	NW_004516338.1	Scaffold1020	182887	CC	TT	1940477090
SNP_P1_216270_182982	NW_004516338.1	Scaffold1020	182982	CC	TT	1940477091
SNP_P1_216271_197123	NW_004516338.1	Scaffold1020	197123	AA	GG	1940477092
SNP_P1_216272_197155	NW_004516338.1	Scaffold1020	197155	GG	AA	1940477093
SNP_P1_216273_197166	NW_004516338.1	Scaffold1020	197166	GG	AA	1940477094
SNP_P1_216275_197193	NW_004516338.1	Scaffold1020	197193	AA	CC	1940477095
SNP_P1_216276_197194	NW_004516338.1	Scaffold1020	197194	TT	CC	1940477096
SNP_P1_216277_197550	NW_004516338.1	Scaffold1020	197550	AA	TT	1940477097
SNP_P1_216278_209062	NW_004516338.1	Scaffold1020	209062	GG	AA	1940477098
SNP_P1_216280_226374	NW_004516338.1	Scaffold1020	226374	AA	GG	1940477099
SNP_P1_216282_241822	NW_004516338.1	Scaffold1020	241822	AA	TT	1940477100
SNP_P1_216283_242226	NW_004516338.1	Scaffold1020	242226	CC	AA	1940477101
SNP_P1_216284_246527	NW_004516338.1	Scaffold1020	246527	TT	CC	1940477102
SNP_P1_216285_246888	NW_004516338.1	Scaffold1020	246888	GG	AA	1940477103
SNP_P1_216286_246890	NW_004516338.1	Scaffold1020	246890	CC	TT	1940477104
SNP_P1_216287_246976	NW_004516338.1	Scaffold1020	246976	GG	AA	1940477105
SNP_P1_216288_247280	NW_004516338.1	Scaffold1020	247280	GG	AA	1940477106

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216291_273267	NW_004516338.1	Scaffold1020	273267	TT	GG	1940477109
SNP_P1_216292_273433	NW_004516338.1	Scaffold1020	273433	CC	AA	1940477110
SNP_P1_216293_275614	NW_004516338.1	Scaffold1020	275614	CC	GG	1940477111
SNP_P1_216294_279854	NW_004516338.1	Scaffold1020	279854	GG	AA	1940477112
SNP_P1_216295_279857	NW_004516338.1	Scaffold1020	279857	AA	TT	1940477113
SNP_P1_216296_279862	NW_004516338.1	Scaffold1020	279862	TT	CC	1940477114
SNP_P1_216297_280205	NW_004516338.1	Scaffold1020	280205	AA	GG	1940477115
SNP_P1_216298_280214	NW_004516338.1	Scaffold1020	280214	TT	AA	1940477116
SNP_P1_216299_290193	NW_004516338.1	Scaffold1020	290193	AA	GG	1940477117
SNP_P1_216300_298265	NW_004516338.1	Scaffold1020	298265	AA	CC	1940477118
SNP_P1_216301_318656	NW_004516338.1	Scaffold1020	318656	CC	TT	1940477119
SNP_P1_216302_325811	NW_004516338.1	Scaffold1020	325811	AA	TT	1940477120
SNP_P1_216303_325848	NW_004516338.1	Scaffold1020	325848	AA	GG	1940477121
SNP_P1_216304_325853	NW_004516338.1	Scaffold1020	325853	TT	CC	1940477122
SNP_P1_216305_325866	NW_004516338.1	Scaffold1020	325866	AA	TT	1940477123
SNP_P1_216306_325970	NW_004516338.1	Scaffold1020	325970	TT	GG	1940477124
SNP_P1_216307_325976	NW_004516338.1	Scaffold1020	325976	CC	TT	1940477125
SNP_P1_216308_326114	NW_004516338.1	Scaffold1020	326114	GG	CC	1940477126
SNP_P1_216309_326224	NW_004516338.1	Scaffold1020	326224	AA	GG	1940477127
SNP_P1_216310_337430	NW_004516338.1	Scaffold1020	337430	AA	TT	1940477128
SNP_P1_216311_337438	NW_004516338.1	Scaffold1020	337438	AA	TT	1940477129
SNP_P1_216312_337754	NW_004516338.1	Scaffold1020	337754	GG	AA	1940477130
SNP_P1_216313_337777	NW_004516338.1	Scaffold1020	337777	CC	TT	1940477131
SNP_P1_216314_338033	NW_004516338.1	Scaffold1020	338033	TT	AA	1940477132
SNP_P1_216315_19370	NW_004516343.1	Scaffold1027	19370	TT	CC	1940477133
SNP_P1_216316_19382	NW_004516343.1	Scaffold1027	19382	AA	GG	1940477134
SNP_P1_216317_19422	NW_004516343.1	Scaffold1027	19422	AA	TT	1940477135
SNP_P1_216318_19744	NW_004516343.1	Scaffold1027	19744	CC	TT	1940477136
SNP_P1_216319_19750	NW_004516343.1	Scaffold1027	19750	AA	GG	1940477137
SNP_P1_216320_19815	NW_004516343.1	Scaffold1027	19815	TT	CC	1940477138
SNP_P1_216321_19836	NW_004516343.1	Scaffold1027	19836	CC	GG	1940477139
SNP_P1_216322_19846	NW_004516343.1	Scaffold1027	19846	AA	TT	1940477140
SNP_P1_216323_20995	NW_004516343.1	Scaffold1027	20995	GG	AA	1940477141
SNP_P1_216324_35961	NW_004516343.1	Scaffold1027	35961	TT	CC	1940477142
SNP_P1_216326_39899	NW_004516343.1	Scaffold1027	39899	TT	GG	1940477143
SNP_P1_216327_45859	NW_004516343.1	Scaffold1027	45859	TT	CC	1940477144
SNP_P1_216328_46492	NW_004516343.1	Scaffold1027	46492	CC	TT	1940477145
SNP_P1_216329_46548	NW_004516343.1	Scaffold1027	46548	GG	AA	1940477146
SNP_P1_216330_46603	NW_004516343.1	Scaffold1027	46603	GG	AA	1940477147
SNP_P1_216331_61296	NW_004516343.1	Scaffold1027	61296	AA	GG	1940477148

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216333_77710	NW_004516343.1	Scaffold1027	77710	TT	AA	1940477150
SNP_P1_216334_77928	NW_004516343.1	Scaffold1027	77928	TT	CC	1940477151
SNP_P1_216335_77974	NW_004516343.1	Scaffold1027	77974	TT	GG	1940477152
SNP_P1_216336_78000	NW_004516343.1	Scaffold1027	78000	TT	AA	1940477153
SNP_P1_216337_88993	NW_004516343.1	Scaffold1027	88993	GG	CC	1940477154
SNP_P1_216338_91207	NW_004516343.1	Scaffold1027	91207	TT	CC	1940477155
SNP_P1_216339_94230	NW_004516343.1	Scaffold1027	94230	TT	AA	1940477156
SNP_P1_216340_99230	NW_004516343.1	Scaffold1027	99230	GG	AA	1940477157
SNP_P1_216341_109895	NW_004516343.1	Scaffold1027	109895	AA	GG	1940477158
SNP_P1_216342_110247	NW_004516343.1	Scaffold1027	110247	TT	GG	1940477159
SNP_P1_216343_110278	NW_004516343.1	Scaffold1027	110278	GG	AA	1940477160
SNP_P1_216344_114134	NW_004516343.1	Scaffold1027	114134	TT	AA	1940477161
SNP_P1_216345_128392	NW_004516343.1	Scaffold1027	128392	GG	TT	1940477162
SNP_P1_216346_136314	NW_004516343.1	Scaffold1027	136314	CC	GG	1940477163
SNP_P1_216347_144391	NW_004516343.1	Scaffold1027	144391	TT	GG	1940477164
SNP_P1_216348_144445	NW_004516343.1	Scaffold1027	144445	CC	TT	1940477165
SNP_P1_216349_148413	NW_004516343.1	Scaffold1027	148413	CC	TT	1940477166
SNP_P1_216350_148470	NW_004516343.1	Scaffold1027	148470	GG	AA	1940477167
SNP_P1_216351_148527	NW_004516343.1	Scaffold1027	148527	CC	TT	1940477168
SNP_P1_216352_148551	NW_004516343.1	Scaffold1027	148551	GG	AA	1940477169
SNP_P1_216353_148590	NW_004516343.1	Scaffold1027	148590	CC	TT	1940477170
SNP_P1_216354_148700	NW_004516343.1	Scaffold1027	148700	TT	CC	1940477171
SNP_P1_216355_148728	NW_004516343.1	Scaffold1027	148728	TT	CC	1940477172
SNP_P1_216356_148744	NW_004516343.1	Scaffold1027	148744	AA	GG	1940477173
SNP_P1_216357_148781	NW_004516343.1	Scaffold1027	148781	GG	AA	1940477174
SNP_P1_216358_148787	NW_004516343.1	Scaffold1027	148787	TT	CC	1940477175
SNP_P1_216359_148790	NW_004516343.1	Scaffold1027	148790	TT	CC	1940477176
SNP_P1_216360_148791	NW_004516343.1	Scaffold1027	148791	AA	CC	1940477177
SNP_P1_216361_148883	NW_004516343.1	Scaffold1027	148883	AA	GG	1940477178
SNP_P1_216362_148889	NW_004516343.1	Scaffold1027	148889	GG	AA	1940477179
SNP_P1_216363_148934	NW_004516343.1	Scaffold1027	148934	AA	GG	1940477180
SNP_P1_216364_148958	NW_004516343.1	Scaffold1027	148958	AA	GG	1940477181
SNP_P1_216365_148970	NW_004516343.1	Scaffold1027	148970	TT	CC	1940477182
SNP_P1_216366_148988	NW_004516343.1	Scaffold1027	148988	TT	CC	1940477183
SNP_P1_216367_148991	NW_004516343.1	Scaffold1027	148991	GG	AA	1940477184
SNP_P1_216368_149006	NW_004516343.1	Scaffold1027	149006	GG	AA	1940477185
SNP_P1_216369_149021	NW_004516343.1	Scaffold1027	149021	CC	TT	1940477186
SNP_P1_216370_149045	NW_004516343.1	Scaffold1027	149045	TT	CC	1940477187
SNP_P1_216371_149054	NW_004516343.1	Scaffold1027	149054	TT	CC	1940477188
SNP_P1_216372_150495	NW_004516343.1	Scaffold1027	150495	CC	TT	1940477189
SNP_P1_216374_159858	NW_004516343.1	Scaffold1027	159858	GG	AA	1940477190

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216376_173779	NW_004516343.1	Scaffold1027	173779	AA	CC	1940477192
SNP_P1_216377_174730	NW_004516343.1	Scaffold1027	174730	GG	AA	1940477193
SNP_P1_216378_174732	NW_004516343.1	Scaffold1027	174732	TT	CC	1940477194
SNP_P1_216379_174746	NW_004516343.1	Scaffold1027	174746	GG	AA	1940477195
SNP_P1_216380_191355	NW_004516343.1	Scaffold1027	191355	AA	GG	1940477196
SNP_P1_216381_191377	NW_004516343.1	Scaffold1027	191377	TT	CC	1940477197
SNP_P1_216382_193049	NW_004516343.1	Scaffold1027	193049	CC	TT	1940477198
SNP_P1_216383_193129	NW_004516343.1	Scaffold1027	193129	TT	CC	1940477199
SNP_P1_216384_193136	NW_004516343.1	Scaffold1027	193136	CC	TT	1940477200
SNP_P1_216385_202590	NW_004516343.1	Scaffold1027	202590	TT	AA	1940477201
SNP_P1_216386_202634	NW_004516343.1	Scaffold1027	202634	AA	TT	1940477202
SNP_P1_216387_202661	NW_004516343.1	Scaffold1027	202661	GG	AA	1940477203
SNP_P1_216389_203847	NW_004516343.1	Scaffold1027	203847	TT	AA	1940477204
SNP_P1_216390_203853	NW_004516343.1	Scaffold1027	203853	AA	GG	1940477205
SNP_P1_216391_204254	NW_004516343.1	Scaffold1027	204254	CC	AA	1940477206
SNP_P1_216392_204275	NW_004516343.1	Scaffold1027	204275	CC	TT	1940477207
SNP_P1_216393_204284	NW_004516343.1	Scaffold1027	204284	CC	TT	1940477208
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SNP_P1_216395_204326	NW_004516343.1	Scaffold1027	204326	GG	AA	1940477210
SNP_P1_216396_204344	NW_004516343.1	Scaffold1027	204344	CC	TT	1940477211
SNP_P1_216397_204356	NW_004516343.1	Scaffold1027	204356	AA	TT	1940477212
SNP_P1_216398_204362	NW_004516343.1	Scaffold1027	204362	TT	AA	1940477213
SNP_P1_216399_204396	NW_004516343.1	Scaffold1027	204396	TT	GG	1940477214
SNP_P1_216400_204406	NW_004516343.1	Scaffold1027	204406	CC	AA	1940477215
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SNP_P1_216402_204464	NW_004516343.1	Scaffold1027	204464	AA	GG	1940477217
SNP_P1_216403_210810	NW_004516343.1	Scaffold1027	210810	CC	TT	1940477218
SNP_P1_216404_210981	NW_004516343.1	Scaffold1027	210981	TT	GG	1940477219
SNP_P1_216405_210990	NW_004516343.1	Scaffold1027	210990	GG	AA	1940477220
SNP_P1_216406_210991	NW_004516343.1	Scaffold1027	210991	AA	TT	1940477221
SNP_P1_216407_210993	NW_004516343.1	Scaffold1027	210993	TT	CC	1940477222
SNP_P1_216408_212761	NW_004516343.1	Scaffold1027	212761	TT	CC	1940477223
SNP_P1_216409_223507	NW_004516343.1	Scaffold1027	223507	GG	AA	1940477224
SNP_P1_216410_223511	NW_004516343.1	Scaffold1027	223511	CC	TT	1940477226
SNP_P1_216411_225925	NW_004516343.1	Scaffold1027	225925	CC	TT	1940477227
SNP_P1_216412_226676	NW_004516343.1	Scaffold1027	226676	TT	GG	1940477228
SNP_P1_216413_228953	NW_004516343.1	Scaffold1027	228953	AA	GG	1940477229
SNP_P1_216415_113	NW_004516344.1	Scaffold1029	113	GG	AA	1940477230
SNP_P1_216416_127	NW_004516344.1	Scaffold1029	127	AA	GG	1940477231
SNP_P1_216417_171	NW_004516344.1	Scaffold1029	171	TT	CC	1940477232
SNP_P1_216418_182	NW_004516344.1	Scaffold1029	182	AA	GG	1940477233

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216420_196	NW_004516344.1	Scaffold1029	196	TT	CC	1940477235
SNP_P1_216421_7280	NW_004516344.1	Scaffold1029	7280	CC	TT	1940477236
SNP_P1_216422_7356	NW_004516344.1	Scaffold1029	7356	GG	AA	1940477237
SNP_P1_216423_12261	NW_004516344.1	Scaffold1029	12261	CC	TT	1940477238
SNP_P1_216424_15167	NW_004516344.1	Scaffold1029	15167	GG	AA	1940477239
SNP_P1_216425_18575	NW_004516344.1	Scaffold1029	18575	GG	AA	1940477240
SNP_P1_216426_25091	NW_004516344.1	Scaffold1029	25091	TT	GG	1940477241
SNP_P1_216427_26887	NW_004516344.1	Scaffold1029	26887	CC	TT	1940477242
SNP_P1_216428_26890	NW_004516344.1	Scaffold1029	26890	AA	GG	1940477243
SNP_P1_216429_26909	NW_004516344.1	Scaffold1029	26909	CC	TT	1940477244
SNP_P1_216431_32149	NW_004516344.1	Scaffold1029	32149	CC	TT	1940477245
SNP_P1_216432_37771	NW_004516344.1	Scaffold1029	37771	GG	AA	1940477246
SNP_P1_216433_39023	NW_004516344.1	Scaffold1029	39023	CC	GG	1940477247
SNP_P1_216434_39112	NW_004516344.1	Scaffold1029	39112	GG	AA	1940477248
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SNP_P1_216460_114365	NW_004516344.1	Scaffold1029	114365	CC	AA	1940477274
SNP_P1_216461_114380	NW_004516344.1	Scaffold1029	114380	AA	GG	1940477275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216467_17240	NW_004516345.1	Scaffold1032	17240	AA	GG	1940477281
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SNP_P1_216470_22585	NW_004516345.1	Scaffold1032	22585	CC	AA	1940477283
SNP_P1_216471_22669	NW_004516345.1	Scaffold1032	22669	GG	AA	1940477284
SNP_P1_216472_23312	NW_004516345.1	Scaffold1032	23312	AA	TT	1940477285
SNP_P1_216473_25355	NW_004516345.1	Scaffold1032	25355	TT	AA	1940477286
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SNP_P1_216477_1243	NW_004516347.1	Scaffold1034	1243	TT	CC	1940477290
SNP_P1_216478_1244	NW_004516347.1	Scaffold1034	1244	CC	TT	1940477291
SNP_P1_216479_1245	NW_004516347.1	Scaffold1034	1245	AA	GG	1940477292
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SNP_P1_216503_37597	NW_004516347.1	Scaffold1034	37597	GG	AA	1940477315
SNP_P1_216504_39319	NW_004516347.1	Scaffold1034	39319	AA	GG	1940477316
SNP_P1_216505_39457	NW_004516347.1	Scaffold1034	39457	TT	GG	1940477317

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216510_39785	NW_004516347.1	Scaffold1034	39785	TT	GG	1940477322
SNP_P1_216511_40918	NW_004516347.1	Scaffold1034	40918	AA	GG	1940477323
SNP_P1_216512_41466	NW_004516347.1	Scaffold1034	41466	GG	TT	1940477324
SNP_P1_216513_43191	NW_004516347.1	Scaffold1034	43191	TT	GG	1940477325
SNP_P1_216514_43206	NW_004516347.1	Scaffold1034	43206	CC	TT	1940477326
SNP_P1_216515_43216	NW_004516347.1	Scaffold1034	43216	TT	GG	1940477327
SNP_P1_216516_43230	NW_004516347.1	Scaffold1034	43230	TT	AA	1940477328
SNP_P1_216517_45152	NW_004516347.1	Scaffold1034	45152	TT	AA	1940477329
SNP_P1_216518_45860	NW_004516347.1	Scaffold1034	45860	AA	GG	1940477330
SNP_P1_216519_46722	NW_004516347.1	Scaffold1034	46722	TT	CC	1940477331
SNP_P1_216520_51736	NW_004516347.1	Scaffold1034	51736	TT	CC	1940477332
SNP_P1_216521_54605	NW_004516347.1	Scaffold1034	54605	AA	GG	1940477333
SNP_P1_216522_55181	NW_004516347.1	Scaffold1034	55181	GG	AA	1940477334
SNP_P1_216523_60710	NW_004516347.1	Scaffold1034	60710	AA	GG	1940477335
SNP_P1_216524_60732	NW_004516347.1	Scaffold1034	60732	AA	CC	1940477336
SNP_P1_216525_66265	NW_004516347.1	Scaffold1034	66265	CC	TT	1940477337
SNP_P1_216526_66281	NW_004516347.1	Scaffold1034	66281	TT	CC	1940477338
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SNP_P1_216528_67002	NW_004516347.1	Scaffold1034	67002	AA	CC	1940477340
SNP_P1_216529_67003	NW_004516347.1	Scaffold1034	67003	AA	CC	1940477341
SNP_P1_216530_74000	NW_004516347.1	Scaffold1034	74000	AA	CC	1940477342
SNP_P1_216531_74029	NW_004516347.1	Scaffold1034	74029	TT	GG	1940477343
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SNP_P1_216533_74106	NW_004516347.1	Scaffold1034	74106	TT	AA	1940477345
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SNP_P1_216536_821	NW_004516348.1	Scaffold1035	821	CC	TT	1940477348
SNP_P1_216537_947	NW_004516348.1	Scaffold1035	947	TT	GG	1940477349
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SNP_P1_216539_1337	NW_004516348.1	Scaffold1035	1337	TT	CC	1940477351
SNP_P1_216540_1441	NW_004516348.1	Scaffold1035	1441	GG	CC	1940477352
SNP_P1_216541_1586	NW_004516348.1	Scaffold1035	1586	GG	CC	1940477353
SNP_P1_216543_1846	NW_004516348.1	Scaffold1035	1846	TT	GG	1940477354
SNP_P1_216544_1900	NW_004516348.1	Scaffold1035	1900	AA	TT	1940477355
SNP_P1_216545_1628	NW_004516349.1	Scaffold1036	1628	AA	TT	1940477356
SNP_P1_216546_1673	NW_004516349.1	Scaffold1036	1673	AA	TT	1940477357
SNP_P1_216547_1763	NW_004516349.1	Scaffold1036	1763	GG	AA	1940477358
SNP_P1_216548_1777	NW_004516349.1	Scaffold1036	1777	GG	AA	1940477359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216552_6131	NW_004516349.1	Scaffold1036	6131	TT	GG	1940477363
SNP_P1_216553_8996	NW_004516349.1	Scaffold1036	8996	CC	GG	1940477365
SNP_P1_216554_9000	NW_004516349.1	Scaffold1036	9000	CC	AA	1940477366
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SNP_P1_216557_10361	NW_004516349.1	Scaffold1036	10361	GG	CC	1940477369
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SNP_P1_216559_10713	NW_004516349.1	Scaffold1036	10713	AA	CC	1940477371
SNP_P1_216560_23859	NW_004516349.1	Scaffold1036	23859	GG	TT	1940477372
SNP_P1_216561_24702	NW_004516349.1	Scaffold1036	24702	GG	TT	1940477373
SNP_P1_216562_27550	NW_004516349.1	Scaffold1036	27550	CC	GG	1940477374
SNP_P1_216563_33484	NW_004516349.1	Scaffold1036	33484	TT	AA	1940477375
SNP_P1_216564_35872	NW_004516349.1	Scaffold1036	35872	CC	TT	1940477376
SNP_P1_216565_37452	NW_004516349.1	Scaffold1036	37452	AA	TT	1940477377
SNP_P1_216566_39485	NW_004516349.1	Scaffold1036	39485	CC	AA	1940477378
SNP_P1_216567_43779	NW_004516349.1	Scaffold1036	43779	AA	CC	1940477379
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SNP_P1_216579_60348	NW_004516349.1	Scaffold1036	60348	AA	GG	1940477391
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SNP_P1_216586_75472	NW_004516349.1	Scaffold1036	75472	CC	TT	1940477398
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SNP_P1_216588_77193	NW_004516349.1	Scaffold1036	77193	CC	TT	1940477400
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SNP_P1_216590_77493	NW_004516349.1	Scaffold1036	77493	AA	GG	1940477402

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216593_85263	NW_004516349.1	Scaffold1036	85263	AA	GG	1940477405
SNP_P1_216594_86778	NW_004516349.1	Scaffold1036	86778	AA	CC	1940477406
SNP_P1_216595_86816	NW_004516349.1	Scaffold1036	86816	CC	TT	1940477407
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SNP_P1_216599_87142	NW_004516349.1	Scaffold1036	87142	CC	GG	1940477411
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SNP_P1_216622_102283	NW_004516349.1	Scaffold1036	102283	GG	AA	1940477433
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SNP_P1_216631_102956	NW_004516349.1	Scaffold1036	102956	TT	GG	1940477442
SNP_P1_216632_102961	NW_004516349.1	Scaffold1036	102961	AA	GG	1940477443
SNP_P1_216633_103024	NW_004516349.1	Scaffold1036	103024	TT	GG	1940477444

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216636_115287	NW_004516349.1	Scaffold1036	115287	TT	GG	1940477447
SNP_P1_216637_115320	NW_004516349.1	Scaffold1036	115320	TT	AA	1940477448
SNP_P1_216638_127023	NW_004516349.1	Scaffold1036	127023	GG	CC	1940477449
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SNP_P1_216640_139687	NW_004516349.1	Scaffold1036	139687	GG	TT	1940477451
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SNP_P1_216642_141832	NW_004516349.1	Scaffold1036	141832	GG	CC	1940477453
SNP_P1_216643_144186	NW_004516349.1	Scaffold1036	144186	GG	CC	1940477454
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SNP_P1_216645_157238	NW_004516349.1	Scaffold1036	157238	GG	AA	1940477456
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SNP_P1_216655_194406	NW_004516349.1	Scaffold1036	194406	CC	TT	1940477466
SNP_P1_216656_194739	NW_004516349.1	Scaffold1036	194739	TT	CC	1940477467
SNP_P1_216657_204756	NW_004516349.1	Scaffold1036	204756	GG	AA	1940477468
SNP_P1_216658_204973	NW_004516349.1	Scaffold1036	204973	AA	TT	1940477469
SNP_P1_216659_204984	NW_004516349.1	Scaffold1036	204984	AA	TT	1940477470
SNP_P1_216660_204998	NW_004516349.1	Scaffold1036	204998	AA	GG	1940477471
SNP_P1_216662_205080	NW_004516349.1	Scaffold1036	205080	TT	CC	1940477472
SNP_P1_216663_207094	NW_004516349.1	Scaffold1036	207094	CC	TT	1940477473
SNP_P1_216664_221337	NW_004516349.1	Scaffold1036	221337	TT	AA	1940477474
SNP_P1_216665_221342	NW_004516349.1	Scaffold1036	221342	TT	CC	1940477475
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SNP_P1_216673_225493	NW_004516349.1	Scaffold1036	225493	AA	GG	1940477483
SNP_P1_216674_225602	NW_004516349.1	Scaffold1036	225602	AA	GG	1940477484
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216679_233405	NW_004516349.1	Scaffold1036	233405	TT	GG	1940477489
SNP_P1_216680_233533	NW_004516349.1	Scaffold1036	233533	CC	AA	1940477490
SNP_P1_216681_236063	NW_004516349.1	Scaffold1036	236063	AA	TT	1940477491
SNP_P1_216682_236147	NW_004516349.1	Scaffold1036	236147	CC	GG	1940477492
SNP_P1_216683_236437	NW_004516349.1	Scaffold1036	236437	TT	GG	1940477493
SNP_P1_216684_236469	NW_004516349.1	Scaffold1036	236469	CC	GG	1940477494
SNP_P1_216685_236704	NW_004516349.1	Scaffold1036	236704	TT	AA	1940477495
SNP_P1_216686_236705	NW_004516349.1	Scaffold1036	236705	TT	CC	1940477496
SNP_P1_216687_240609	NW_004516349.1	Scaffold1036	240609	TT	CC	1940477497
SNP_P1_216688_120	NW_004516350.1	Scaffold1038	120	AA	GG	1940477498
SNP_P1_216689_214	NW_004516350.1	Scaffold1038	214	GG	AA	1940477499
SNP_P1_216690_273	NW_004516350.1	Scaffold1038	273	TT	GG	1940477500
SNP_P1_216691_345	NW_004516350.1	Scaffold1038	345	TT	CC	1940477501
SNP_P1_216692_387	NW_004516350.1	Scaffold1038	387	AA	CC	1940477502
SNP_P1_216693_554	NW_004516350.1	Scaffold1038	554	AA	GG	1940477503
SNP_P1_216694_589	NW_004516350.1	Scaffold1038	589	TT	AA	1940477504
SNP_P1_216695_650	NW_004516350.1	Scaffold1038	650	AA	TT	1940477505
SNP_P1_216697_726	NW_004516350.1	Scaffold1038	726	GG	TT	1940477506
SNP_P1_216698_758	NW_004516350.1	Scaffold1038	758	GG	TT	1940477507
SNP_P1_216699_1346	NW_004516350.1	Scaffold1038	1346	AA	GG	1940477508
SNP_P1_216700_1591	NW_004516350.1	Scaffold1038	1591	TT	AA	1940477509
SNP_P1_216701_1593	NW_004516350.1	Scaffold1038	1593	GG	AA	1940477510
SNP_P1_216702_1634	NW_004516350.1	Scaffold1038	1634	GG	TT	1940477511
SNP_P1_216703_1664	NW_004516350.1	Scaffold1038	1664	TT	GG	1940477512
SNP_P1_216704_1683	NW_004516350.1	Scaffold1038	1683	TT	CC	1940477513
SNP_P1_216705_1699	NW_004516350.1	Scaffold1038	1699	CC	TT	1940477514
SNP_P1_216706_2017	NW_004516350.1	Scaffold1038	2017	AA	TT	1940477515
SNP_P1_216707_2025	NW_004516350.1	Scaffold1038	2025	TT	AA	1940477516
SNP_P1_216708_2134	NW_004516350.1	Scaffold1038	2134	CC	AA	1940477517
SNP_P1_216709_2227	NW_004516350.1	Scaffold1038	2227	AA	TT	1940477518
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SNP_P1_216711_2741	NW_004516350.1	Scaffold1038	2741	CC	TT	1940477521
SNP_P1_216712_2772	NW_004516350.1	Scaffold1038	2772	GG	AA	1940477522
SNP_P1_216713_2564	NW_004516351.1	Scaffold1039	2564	GG	TT	1940477523
SNP_P1_216714_2578	NW_004516351.1	Scaffold1039	2578	CC	GG	1940477524
SNP_P1_216715_2997	NW_004516351.1	Scaffold1039	2997	AA	GG	1940477525
SNP_P1_216716_3052	NW_004516351.1	Scaffold1039	3052	CC	TT	1940477526
SNP_P1_216718_3282	NW_004516351.1	Scaffold1039	3282	GG	AA	1940477527
SNP_P1_216719_3804	NW_004516351.1	Scaffold1039	3804	CC	TT	1940477528
SNP_P1_216720_3939	NW_004516351.1	Scaffold1039	3939	AA	GG	1940477529

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216723_4257	NW_004516351.1	Scaffold1039	4257	TT	CC	1940477532
SNP_P1_216724_4293	NW_004516351.1	Scaffold1039	4293	AA	TT	1940477533
SNP_P1_216725_4336	NW_004516351.1	Scaffold1039	4336	TT	CC	1940477534
SNP_P1_216726_4339	NW_004516351.1	Scaffold1039	4339	AA	TT	1940477535
SNP_P1_216727_4374	NW_004516351.1	Scaffold1039	4374	CC	TT	1940477536
SNP_P1_216728_4498	NW_004516351.1	Scaffold1039	4498	AA	GG	1940477537
SNP_P1_216729_4760	NW_004516351.1	Scaffold1039	4760	TT	CC	1940477538
SNP_P1_216730_10357	NW_004516351.1	Scaffold1039	10357	TT	CC	1940477539
SNP_P1_216731_10383	NW_004516351.1	Scaffold1039	10383	GG	AA	1940477540
SNP_P1_216732_10391	NW_004516351.1	Scaffold1039	10391	TT	CC	1940477541
SNP_P1_216733_10428	NW_004516351.1	Scaffold1039	10428	AA	GG	1940477542
SNP_P1_216734_10447	NW_004516351.1	Scaffold1039	10447	GG	AA	1940477543
SNP_P1_216735_10519	NW_004516351.1	Scaffold1039	10519	TT	CC	1940477544
SNP_P1_216736_10527	NW_004516351.1	Scaffold1039	10527	TT	CC	1940477545
SNP_P1_216737_12751	NW_004516351.1	Scaffold1039	12751	GG	AA	1940477546
SNP_P1_216738_12795	NW_004516351.1	Scaffold1039	12795	CC	AA	1940477547
SNP_P1_216739_13102	NW_004516351.1	Scaffold1039	13102	CC	AA	1940477548
SNP_P1_216740_31904	NW_004516351.1	Scaffold1039	31904	AA	GG	1940477549
SNP_P1_216741_31934	NW_004516351.1	Scaffold1039	31934	CC	TT	1940477550
SNP_P1_216742_32145	NW_004516351.1	Scaffold1039	32145	GG	AA	1940477551
SNP_P1_216743_32243	NW_004516351.1	Scaffold1039	32243	GG	AA	1940477552
SNP_P1_216744_32298	NW_004516351.1	Scaffold1039	32298	AA	CC	1940477553
SNP_P1_216745_32369	NW_004516351.1	Scaffold1039	32369	GG	TT	1940477554
SNP_P1_216747_32408	NW_004516351.1	Scaffold1039	32408	TT	CC	1940477555
SNP_P1_216748_32546	NW_004516351.1	Scaffold1039	32546	CC	GG	1940477556
SNP_P1_216750_32687	NW_004516351.1	Scaffold1039	32687	CC	TT	1940477557
SNP_P1_216751_32696	NW_004516351.1	Scaffold1039	32696	CC	TT	1940477558
SNP_P1_216752_40051	NW_004516351.1	Scaffold1039	40051	AA	GG	1940477559
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SNP_P1_216754_40083	NW_004516351.1	Scaffold1039	40083	TT	CC	1940477561
SNP_P1_216755_40105	NW_004516351.1	Scaffold1039	40105	CC	TT	1940477562
SNP_P1_216756_40122	NW_004516351.1	Scaffold1039	40122	CC	TT	1940477563
SNP_P1_216757_40132	NW_004516351.1	Scaffold1039	40132	CC	TT	1940477564
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SNP_P1_216760_40168	NW_004516351.1	Scaffold1039	40168	AA	GG	1940477567
SNP_P1_216761_40177	NW_004516351.1	Scaffold1039	40177	TT	CC	1940477568
SNP_P1_216762_40208	NW_004516351.1	Scaffold1039	40208	AA	GG	1940477569
SNP_P1_216763_40222	NW_004516351.1	Scaffold1039	40222	TT	CC	1940477570
SNP_P1_216764_40249	NW_004516351.1	Scaffold1039	40249	AA	GG	1940477571

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216767_40288	NW_004516351.1	Scaffold1039	40288	CC	TT	1940477574
SNP_P1_216768_40309	NW_004516351.1	Scaffold1039	40309	AA	GG	1940477575
SNP_P1_216769_40425	NW_004516351.1	Scaffold1039	40425	AA	GG	1940477576
SNP_P1_216770_40437	NW_004516351.1	Scaffold1039	40437	TT	CC	1940477577
SNP_P1_216771_40497	NW_004516351.1	Scaffold1039	40497	GG	AA	1940477578
SNP_P1_216772_40539	NW_004516351.1	Scaffold1039	40539	CC	TT	1940477579
SNP_P1_216773_40542	NW_004516351.1	Scaffold1039	40542	GG	AA	1940477580
SNP_P1_216774_40554	NW_004516351.1	Scaffold1039	40554	TT	CC	1940477581
SNP_P1_216775_40574	NW_004516351.1	Scaffold1039	40574	GG	AA	1940477582
SNP_P1_216776_40602	NW_004516351.1	Scaffold1039	40602	GG	AA	1940477583
SNP_P1_216777_40650	NW_004516351.1	Scaffold1039	40650	CC	TT	1940477584
SNP_P1_216778_40917	NW_004516351.1	Scaffold1039	40917	CC	TT	1940477585
SNP_P1_216779_40920	NW_004516351.1	Scaffold1039	40920	AA	GG	1940477586
SNP_P1_216780_40932	NW_004516351.1	Scaffold1039	40932	GG	AA	1940477587
SNP_P1_216781_41043	NW_004516351.1	Scaffold1039	41043	AA	GG	1940477588
SNP_P1_216782_41085	NW_004516351.1	Scaffold1039	41085	GG	AA	1940477589
SNP_P1_216783_41124	NW_004516351.1	Scaffold1039	41124	CC	AA	1940477590
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SNP_P1_216789_41302	NW_004516351.1	Scaffold1039	41302	GG	AA	1940477596
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SNP_P1_216791_41317	NW_004516351.1	Scaffold1039	41317	AA	GG	1940477598
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SNP_P1_216794_41395	NW_004516351.1	Scaffold1039	41395	AA	GG	1940477601
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SNP_P1_216800_43699	NW_004516351.1	Scaffold1039	43699	GG	AA	1940477606
SNP_P1_216801_43704	NW_004516351.1	Scaffold1039	43704	AA	TT	1940477607
SNP_P1_216802_43740	NW_004516351.1	Scaffold1039	43740	TT	GG	1940477608
SNP_P1_216803_43900	NW_004516351.1	Scaffold1039	43900	CC	TT	1940477609
SNP_P1_216804_44082	NW_004516351.1	Scaffold1039	44082	TT	CC	1940477610
SNP_P1_216805_44148	NW_004516351.1	Scaffold1039	44148	TT	CC	1940477611
SNP_P1_216807_44730	NW_004516351.1	Scaffold1039	44730	GG	AA	1940477612
SNP_P1_216808_44736	NW_004516351.1	Scaffold1039	44736	TT	CC	1940477613

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216811_44950	NW_004516351.1	Scaffold1039	44950	TT	CC	1940477616
SNP_P1_216812_45027	NW_004516351.1	Scaffold1039	45027	GG	AA	1940477617
SNP_P1_216813_45254	NW_004516351.1	Scaffold1039	45254	AA	GG	1940477618
SNP_P1_216814_45256	NW_004516351.1	Scaffold1039	45256	TT	GG	1940477619
SNP_P1_216815_45260	NW_004516351.1	Scaffold1039	45260	AA	TT	1940477620
SNP_P1_216816_45344	NW_004516351.1	Scaffold1039	45344	TT	AA	1940477621
SNP_P1_216817_45357	NW_004516351.1	Scaffold1039	45357	CC	TT	1940477622
SNP_P1_216818_45501	NW_004516351.1	Scaffold1039	45501	AA	GG	1940477623
SNP_P1_216819_45545	NW_004516351.1	Scaffold1039	45545	CC	TT	1940477624
SNP_P1_216820_45604	NW_004516351.1	Scaffold1039	45604	CC	TT	1940477625
SNP_P1_216821_45809	NW_004516351.1	Scaffold1039	45809	CC	AA	1940477626
SNP_P1_216822_45966	NW_004516351.1	Scaffold1039	45966	TT	GG	1940477627
SNP_P1_216823_46003	NW_004516351.1	Scaffold1039	46003	AA	TT	1940477628
SNP_P1_216824_46028	NW_004516351.1	Scaffold1039	46028	TT	CC	1940477629
SNP_P1_216825_46079	NW_004516351.1	Scaffold1039	46079	TT	AA	1940477630
SNP_P1_216826_46104	NW_004516351.1	Scaffold1039	46104	GG	AA	1940477631
SNP_P1_216827_46147	NW_004516351.1	Scaffold1039	46147	AA	TT	1940477632
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SNP_P1_216832_46840	NW_004516351.1	Scaffold1039	46840	CC	TT	1940477637
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SNP_P1_216836_47418	NW_004516351.1	Scaffold1039	47418	AA	GG	1940477641
SNP_P1_216837_47429	NW_004516351.1	Scaffold1039	47429	CC	GG	1940477642
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SNP_P1_216840_47724	NW_004516351.1	Scaffold1039	47724	AA	GG	1940477645
SNP_P1_216841_47762	NW_004516351.1	Scaffold1039	47762	GG	AA	1940477646
SNP_P1_216842_47824	NW_004516351.1	Scaffold1039	47824	CC	TT	1940477647
SNP_P1_216843_47860	NW_004516351.1	Scaffold1039	47860	CC	TT	1940477648
SNP_P1_216844_47947	NW_004516351.1	Scaffold1039	47947	AA	GG	1940477649
SNP_P1_216845_47973	NW_004516351.1	Scaffold1039	47973	GG	AA	1940477650
SNP_P1_216847_48010	NW_004516351.1	Scaffold1039	48010	CC	TT	1940477651
SNP_P1_216848_48030	NW_004516351.1	Scaffold1039	48030	CC	TT	1940477652
SNP_P1_216849_48036	NW_004516351.1	Scaffold1039	48036	CC	TT	1940477653
SNP_P1_216850_48039	NW_004516351.1	Scaffold1039	48039	TT	CC	1940477654
SNP_P1_216851_48046	NW_004516351.1	Scaffold1039	48046	CC	TT	1940477655

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216854_48073	NW_004516351.1	Scaffold1039	48073	GG	AA	1940477658
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SNP_P1_216857_48114	NW_004516351.1	Scaffold1039	48114	TT	GG	1940477661
SNP_P1_216858_48153	NW_004516351.1	Scaffold1039	48153	GG	AA	1940477662
SNP_P1_216859_48159	NW_004516351.1	Scaffold1039	48159	CC	AA	1940477663
SNP_P1_216860_48206	NW_004516351.1	Scaffold1039	48206	TT	AA	1940477664
SNP_P1_216861_48222	NW_004516351.1	Scaffold1039	48222	GG	AA	1940477665
SNP_P1_216862_48249	NW_004516351.1	Scaffold1039	48249	CC	TT	1940477666
SNP_P1_216863_48355	NW_004516351.1	Scaffold1039	48355	TT	CC	1940477667
SNP_P1_216864_48382	NW_004516351.1	Scaffold1039	48382	AA	CC	1940477668
SNP_P1_216865_48404	NW_004516351.1	Scaffold1039	48404	GG	AA	1940477669
SNP_P1_216866_48507	NW_004516351.1	Scaffold1039	48507	AA	TT	1940477670
SNP_P1_216867_48579	NW_004516351.1	Scaffold1039	48579	CC	AA	1940477671
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SNP_P1_216873_48985	NW_004516351.1	Scaffold1039	48985	AA	GG	1940477675
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SNP_P1_216876_49109	NW_004516351.1	Scaffold1039	49109	TT	AA	1940477679
SNP_P1_216877_49165	NW_004516351.1	Scaffold1039	49165	AA	TT	1940477680
SNP_P1_216878_49177	NW_004516351.1	Scaffold1039	49177	AA	CC	1940477681
SNP_P1_216879_49220	NW_004516351.1	Scaffold1039	49220	GG	TT	1940477682
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SNP_P1_216893_51304	NW_004516351.1	Scaffold1039	51304	GG	AA	1940477695
SNP_P1_216894_51321	NW_004516351.1	Scaffold1039	51321	GG	TT	1940477696
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216899_54285	NW_004516351.1	Scaffold1039	54285	AA	GG	1940477701
SNP_P1_216900_54354	NW_004516351.1	Scaffold1039	54354	GG	AA	1940477702
SNP_P1_216901_54380	NW_004516351.1	Scaffold1039	54380	AA	GG	1940477703
SNP_P1_216902_54395	NW_004516351.1	Scaffold1039	54395	AA	GG	1940477704
SNP_P1_216903_54401	NW_004516351.1	Scaffold1039	54401	TT	CC	1940477705
SNP_P1_216904_54440	NW_004516351.1	Scaffold1039	54440	CC	TT	1940477706
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SNP_P1_216906_54539	NW_004516351.1	Scaffold1039	54539	GG	AA	1940477708
SNP_P1_216907_54630	NW_004516351.1	Scaffold1039	54630	GG	TT	1940477709
SNP_P1_216908_54637	NW_004516351.1	Scaffold1039	54637	AA	GG	1940477710
SNP_P1_216909_54714	NW_004516351.1	Scaffold1039	54714	GG	AA	1940477711
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SNP_P1_216911_54913	NW_004516351.1	Scaffold1039	54913	CC	TT	1940477713
SNP_P1_216912_54953	NW_004516351.1	Scaffold1039	54953	TT	GG	1940477714
SNP_P1_216913_55005	NW_004516351.1	Scaffold1039	55005	CC	GG	1940477715
SNP_P1_216914_55270	NW_004516351.1	Scaffold1039	55270	TT	CC	1940477716
SNP_P1_216915_55314	NW_004516351.1	Scaffold1039	55314	TT	GG	1940477717
SNP_P1_216916_55358	NW_004516351.1	Scaffold1039	55358	CC	TT	1940477718
SNP_P1_216917_57592	NW_004516351.1	Scaffold1039	57592	GG	AA	1940477719
SNP_P1_216918_57596	NW_004516351.1	Scaffold1039	57596	GG	AA	1940477720
SNP_P1_216919_57602	NW_004516351.1	Scaffold1039	57602	AA	GG	1940477721
SNP_P1_216920_57621	NW_004516351.1	Scaffold1039	57621	TT	CC	1940477722
SNP_P1_216921_57632	NW_004516351.1	Scaffold1039	57632	CC	TT	1940477723
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SNP_P1_216923_57640	NW_004516351.1	Scaffold1039	57640	TT	GG	1940477725
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SNP_P1_216926_57691	NW_004516351.1	Scaffold1039	57691	TT	CC	1940477728
SNP_P1_216927_57723	NW_004516351.1	Scaffold1039	57723	GG	AA	1940477729
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SNP_P1_216930_57840	NW_004516351.1	Scaffold1039	57840	GG	CC	1940477732
SNP_P1_216931_57841	NW_004516351.1	Scaffold1039	57841	TT	CC	1940477733
SNP_P1_216932_57947	NW_004516351.1	Scaffold1039	57947	TT	CC	1940477734
SNP_P1_216933_57964	NW_004516351.1	Scaffold1039	57964	AA	GG	1940477735
SNP_P1_216934_58102	NW_004516351.1	Scaffold1039	58102	CC	TT	1940477736
SNP_P1_216935_58132	NW_004516351.1	Scaffold1039	58132	TT	CC	1940477737
SNP_P1_216936_58146	NW_004516351.1	Scaffold1039	58146	CC	AA	1940477738
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216941_58825	NW_004516351.1	Scaffold1039	58825	CC	AA	1940477743
SNP_P1_216942_58837	NW_004516351.1	Scaffold1039	58837	TT	CC	1940477744
SNP_P1_216943_58855	NW_004516351.1	Scaffold1039	58855	GG	AA	1940477745
SNP_P1_216944_58859	NW_004516351.1	Scaffold1039	58859	TT	AA	1940477746
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SNP_P1_216946_58959	NW_004516351.1	Scaffold1039	58959	CC	AA	1940477748
SNP_P1_216947_58967	NW_004516351.1	Scaffold1039	58967	AA	GG	1940477749
SNP_P1_216948_58977	NW_004516351.1	Scaffold1039	58977	CC	TT	1940477750
SNP_P1_216949_58995	NW_004516351.1	Scaffold1039	58995	GG	AA	1940477751
SNP_P1_216950_59031	NW_004516351.1	Scaffold1039	59031	GG	TT	1940477752
SNP_P1_216951_59040	NW_004516351.1	Scaffold1039	59040	AA	TT	1940477753
SNP_P1_216952_59146	NW_004516351.1	Scaffold1039	59146	TT	CC	1940477754
SNP_P1_216953_59161	NW_004516351.1	Scaffold1039	59161	AA	TT	1940477755
SNP_P1_216954_59216	NW_004516351.1	Scaffold1039	59216	AA	CC	1940477756
SNP_P1_216956_59436	NW_004516351.1	Scaffold1039	59436	GG	AA	1940477757
SNP_P1_216957_59554	NW_004516351.1	Scaffold1039	59554	GG	CC	1940477758
SNP_P1_216958_59855	NW_004516351.1	Scaffold1039	59855	GG	AA	1940477759
SNP_P1_216959_59907	NW_004516351.1	Scaffold1039	59907	GG	AA	1940477760
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SNP_P1_216963_63541	NW_004516351.1	Scaffold1039	63541	GG	CC	1940477764
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SNP_P1_216967_63697	NW_004516351.1	Scaffold1039	63697	AA	TT	1940477768
SNP_P1_216968_63724	NW_004516351.1	Scaffold1039	63724	AA	TT	1940477769
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SNP_P1_216970_4563	NW_004516352.1	Scaffold1041	4563	TT	CC	1940477771
SNP_P1_216971_4564	NW_004516352.1	Scaffold1041	4564	GG	TT	1940477772
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SNP_P1_216975_12261	NW_004516353.1	Scaffold1043	12261	GG	CC	1940477774
SNP_P1_216976_12276	NW_004516353.1	Scaffold1043	12276	AA	GG	1940477775
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SNP_P1_216979_14591	NW_004516353.1	Scaffold1043	14591	TT	AA	1940477778
SNP_P1_216980_14593	NW_004516353.1	Scaffold1043	14593	TT	CC	1940477779
SNP_P1_216981_14612	NW_004516353.1	Scaffold1043	14612	TT	CC	1940477780
SNP_P1_216982_14640	NW_004516353.1	Scaffold1043	14640	AA	GG	1940477781
SNP_P1_216983_14655	NW_004516353.1	Scaffold1043	14655	AA	GG	1940477782

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_216988_15082	NW_004516353.1	Scaffold1043	15082	AA	GG	1940477787
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SNP_P1_216995_26142	NW_004516353.1	Scaffold1043	26142	GG	AA	1940477794
SNP_P1_216996_26148	NW_004516353.1	Scaffold1043	26148	AA	GG	1940477795
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SNP_P1_217024_39503	NW_004516353.1	Scaffold1043	39503	GG	AA	1940477822
SNP_P1_217025_39528	NW_004516353.1	Scaffold1043	39528	CC	TT	1940477823
SNP_P1_217026_40005	NW_004516353.1	Scaffold1043	40005	AA	GG	1940477824

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217065_90004	NW_004516353.1	Scaffold1043	90004	AA	GG	1940477863
SNP_P1_217066_90017	NW_004516353.1	Scaffold1043	90017	AA	GG	1940477864
SNP_P1_217067_696	NW_004516354.1	Scaffold1044	696	AA	TT	1940477865
SNP_P1_217068_754	NW_004516354.1	Scaffold1044	754	TT	GG	1940477866
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217071_977	NW_004516354.1	Scaffold1044	977	TT	GG	1940477869
SNP_P1_217072_1084	NW_004516354.1	Scaffold1044	1084	TT	CC	1940477870
SNP_P1_217073_4852	NW_004516354.1	Scaffold1044	4852	CC	AA	1940477871
SNP_P1_217074_4929	NW_004516354.1	Scaffold1044	4929	TT	CC	1940477872
SNP_P1_217075_4937	NW_004516354.1	Scaffold1044	4937	AA	TT	1940477873
SNP_P1_217076_4959	NW_004516354.1	Scaffold1044	4959	TT	AA	1940477874
SNP_P1_217077_5289	NW_004516354.1	Scaffold1044	5289	TT	CC	1940477875
SNP_P1_217078_5319	NW_004516354.1	Scaffold1044	5319	TT	AA	1940477876
SNP_P1_217079_11427	NW_004516354.1	Scaffold1044	11427	AA	TT	1940477877
SNP_P1_217080_11866	NW_004516354.1	Scaffold1044	11866	TT	CC	1940477878
SNP_P1_217081_12108	NW_004516354.1	Scaffold1044	12108	TT	GG	1940477879
SNP_P1_217082_12894	NW_004516354.1	Scaffold1044	12894	CC	AA	1940477880
SNP_P1_217083_14040	NW_004516354.1	Scaffold1044	14040	CC	TT	1940477881
SNP_P1_217084_16842	NW_004516354.1	Scaffold1044	16842	CC	TT	1940477882
SNP_P1_217085_16844	NW_004516354.1	Scaffold1044	16844	AA	GG	1940477883
SNP_P1_217086_16874	NW_004516354.1	Scaffold1044	16874	TT	CC	1940477884
SNP_P1_217088_17271	NW_004516354.1	Scaffold1044	17271	CC	GG	1940477885
SNP_P1_217089_17275	NW_004516354.1	Scaffold1044	17275	AA	TT	1940477886
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SNP_P1_217096_24880	NW_004516354.1	Scaffold1044	24880	AA	GG	1940477892
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SNP_P1_217107_35558	NW_004516355.1	Scaffold1045	35558	AA	GG	1940477902
SNP_P1_217108_35559	NW_004516355.1	Scaffold1045	35559	AA	TT	1940477903
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SNP_P1_217110_35602	NW_004516355.1	Scaffold1045	35602	GG	AA	1940477905
SNP_P1_217111_35656	NW_004516355.1	Scaffold1045	35656	TT	GG	1940477906
SNP_P1_217112_35754	NW_004516355.1	Scaffold1045	35754	TT	CC	1940477907
SNP_P1_217113_35968	NW_004516355.1	Scaffold1045	35968	CC	TT	1940477908
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217118_36149	NW_004516355.1	Scaffold1045	36149	TT	CC	1940477913
SNP_P1_217119_36160	NW_004516355.1	Scaffold1045	36160	GG	CC	1940477914
SNP_P1_217120_36191	NW_004516355.1	Scaffold1045	36191	AA	TT	1940477915
SNP_P1_217121_37551	NW_004516355.1	Scaffold1045	37551	AA	GG	1940477916
SNP_P1_217122_37555	NW_004516355.1	Scaffold1045	37555	GG	AA	1940477917
SNP_P1_217123_37567	NW_004516355.1	Scaffold1045	37567	AA	GG	1940477918
SNP_P1_217124_152	NW_004516356.1	Scaffold1046	152	GG	TT	1940477919
SNP_P1_217125_454	NW_004516356.1	Scaffold1046	454	TT	CC	1940477920
SNP_P1_217126_480	NW_004516356.1	Scaffold1046	480	CC	GG	1940477921
SNP_P1_217127_561	NW_004516356.1	Scaffold1046	561	AA	GG	1940477922
SNP_P1_217128_610	NW_004516356.1	Scaffold1046	610	AA	GG	1940477923
SNP_P1_217129_707	NW_004516356.1	Scaffold1046	707	AA	GG	1940477924
SNP_P1_217130_775	NW_004516356.1	Scaffold1046	775	CC	TT	1940477925
SNP_P1_217131_832	NW_004516356.1	Scaffold1046	832	CC	TT	1940477926
SNP_P1_217132_921	NW_004516356.1	Scaffold1046	921	CC	TT	1940477927
SNP_P1_217133_1049	NW_004516356.1	Scaffold1046	1049	AA	TT	1940477928
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SNP_P1_217136_2334	NW_004516356.1	Scaffold1046	2334	GG	CC	1940477931
SNP_P1_217137_2480	NW_004516356.1	Scaffold1046	2480	AA	GG	1940477932
SNP_P1_217138_3080	NW_004516356.1	Scaffold1046	3080	TT	AA	1940477933
SNP_P1_217139_3469	NW_004516356.1	Scaffold1046	3469	CC	TT	1940477934
SNP_P1_217140_4047	NW_004516356.1	Scaffold1046	4047	AA	GG	1940477935
SNP_P1_217141_4232	NW_004516356.1	Scaffold1046	4232	CC	TT	1940477936
SNP_P1_217142_4909	NW_004516356.1	Scaffold1046	4909	TT	GG	1940477937
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SNP_P1_217145_5054	NW_004516356.1	Scaffold1046	5054	CC	AA	1940477939
SNP_P1_217146_6070	NW_004516356.1	Scaffold1046	6070	GG	TT	1940477940
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SNP_P1_217149_8753	NW_004516356.1	Scaffold1046	8753	GG	CC	1940477942
SNP_P1_217150_8949	NW_004516356.1	Scaffold1046	8949	CC	TT	1940477943
SNP_P1_217151_9036	NW_004516356.1	Scaffold1046	9036	TT	GG	1940477944
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SNP_P1_217153_9148	NW_004516356.1	Scaffold1046	9148	GG	AA	1940477946
SNP_P1_217154_9236	NW_004516356.1	Scaffold1046	9236	CC	AA	1940477947
SNP_P1_217155_9338	NW_004516356.1	Scaffold1046	9338	AA	TT	1940477948
SNP_P1_217156_9424	NW_004516356.1	Scaffold1046	9424	CC	TT	1940477949
SNP_P1_217157_9847	NW_004516356.1	Scaffold1046	9847	TT	CC	1940477950
SNP_P1_217158_9962	NW_004516356.1	Scaffold1046	9962	AA	CC	1940477951

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217161_10135	NW_004516356.1	Scaffold1046	10135	TT	GG	1940477954
SNP_P1_217162_10136	NW_004516356.1	Scaffold1046	10136	GG	TT	1940477955
SNP_P1_217163_10137	NW_004516356.1	Scaffold1046	10137	TT	GG	1940477956
SNP_P1_217164_10326	NW_004516356.1	Scaffold1046	10326	AA	GG	1940477957
SNP_P1_217165_10525	NW_004516356.1	Scaffold1046	10525	GG	CC	1940477958
SNP_P1_217166_10557	NW_004516356.1	Scaffold1046	10557	GG	CC	1940477959
SNP_P1_217167_10558	NW_004516356.1	Scaffold1046	10558	AA	GG	1940477960
SNP_P1_217168_10566	NW_004516356.1	Scaffold1046	10566	AA	CC	1940477961
SNP_P1_217169_10623	NW_004516356.1	Scaffold1046	10623	TT	GG	1940477962
SNP_P1_217170_10694	NW_004516356.1	Scaffold1046	10694	CC	GG	1940477963
SNP_P1_217171_10750	NW_004516356.1	Scaffold1046	10750	AA	TT	1940477964
SNP_P1_217172_10836	NW_004516356.1	Scaffold1046	10836	GG	CC	1940477965
SNP_P1_217173_10879	NW_004516356.1	Scaffold1046	10879	TT	AA	1940477966
SNP_P1_217174_11040	NW_004516356.1	Scaffold1046	11040	AA	TT	1940477967
SNP_P1_217175_11048	NW_004516356.1	Scaffold1046	11048	GG	CC	1940477968
SNP_P1_217176_11079	NW_004516356.1	Scaffold1046	11079	AA	GG	1940477969
SNP_P1_217177_11097	NW_004516356.1	Scaffold1046	11097	GG	AA	1940477970
SNP_P1_217178_11333	NW_004516356.1	Scaffold1046	11333	CC	TT	1940477971
SNP_P1_217179_11365	NW_004516356.1	Scaffold1046	11365	CC	TT	1940477972
SNP_P1_217181_11392	NW_004516356.1	Scaffold1046	11392	CC	TT	1940477973
SNP_P1_217182_11400	NW_004516356.1	Scaffold1046	11400	TT	GG	1940477974
SNP_P1_217183_11419	NW_004516356.1	Scaffold1046	11419	TT	GG	1940477975
SNP_P1_217184_11618	NW_004516356.1	Scaffold1046	11618	GG	AA	1940477977
SNP_P1_217185_11734	NW_004516356.1	Scaffold1046	11734	AA	TT	1940477978
SNP_P1_217186_11737	NW_004516356.1	Scaffold1046	11737	GG	CC	1940477979
SNP_P1_217187_11809	NW_004516356.1	Scaffold1046	11809	AA	CC	1940477980
SNP_P1_217188_11827	NW_004516356.1	Scaffold1046	11827	AA	CC	1940477981
SNP_P1_217189_11844	NW_004516356.1	Scaffold1046	11844	AA	GG	1940477982
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SNP_P1_217191_11956	NW_004516356.1	Scaffold1046	11956	AA	CC	1940477984
SNP_P1_217192_12032	NW_004516356.1	Scaffold1046	12032	CC	TT	1940477985
SNP_P1_217193_12063	NW_004516356.1	Scaffold1046	12063	AA	CC	1940477986
SNP_P1_217194_12093	NW_004516356.1	Scaffold1046	12093	CC	GG	1940477987
SNP_P1_217195_12132	NW_004516356.1	Scaffold1046	12132	CC	GG	1940477988
SNP_P1_217196_12203	NW_004516356.1	Scaffold1046	12203	GG	TT	1940477989
SNP_P1_217197_12302	NW_004516356.1	Scaffold1046	12302	CC	GG	1940477990
SNP_P1_217198_12413	NW_004516356.1	Scaffold1046	12413	CC	AA	1940477991
SNP_P1_217199_12468	NW_004516356.1	Scaffold1046	12468	GG	AA	1940477992
SNP_P1_217200_12892	NW_004516356.1	Scaffold1046	12892	TT	GG	1940477993
SNP_P1_217201_12953	NW_004516356.1	Scaffold1046	12953	CC	AA	1940477994

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217205_13102	NW_004516356.1	Scaffold1046	13102	TT	GG	1940477998
SNP_P1_217206_13501	NW_004516356.1	Scaffold1046	13501	GG	AA	1940477999
SNP_P1_217207_14548	NW_004516356.1	Scaffold1046	14548	CC	TT	1940478000
SNP_P1_217208_14562	NW_004516356.1	Scaffold1046	14562	TT	AA	1940478001
SNP_P1_217210_14621	NW_004516356.1	Scaffold1046	14621	GG	TT	1940478002
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SNP_P1_217212_15413	NW_004516356.1	Scaffold1046	15413	GG	TT	1940478004
SNP_P1_217213_15419	NW_004516356.1	Scaffold1046	15419	CC	GG	1940478005
SNP_P1_217214_15433	NW_004516356.1	Scaffold1046	15433	CC	AA	1940478006
SNP_P1_217215_15592	NW_004516356.1	Scaffold1046	15592	GG	TT	1940478007
SNP_P1_217216_15717	NW_004516356.1	Scaffold1046	15717	TT	AA	1940478008
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217251_22560	NW_004516356.1	Scaffold1046	22560	AA	GG	1940478040
SNP_P1_217252_22598	NW_004516356.1	Scaffold1046	22598	GG	AA	1940478041
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SNP_P1_217288_39190	NW_004516357.1	Scaffold1047	39190	AA	GG	1940478075
SNP_P1_217289_42555	NW_004516357.1	Scaffold1047	42555	CC	TT	1940478076
SNP_P1_217291_45217	NW_004516357.1	Scaffold1047	45217	TT	AA	1940478077
SNP_P1_217292_45427	NW_004516357.1	Scaffold1047	45427	GG	AA	1940478078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_217293_45513	NW_004516357.1	Scaffold1047	45513	AA	GG	1940478079
SNP_P1_217294_46033	NW_004516357.1	Scaffold1047	46033	GG	AA	1940478080
SNP_P1_217295_46458	NW_004516357.1	Scaffold1047	46458	CC	TT	1940478081
SNP_P1_217296_46815	NW_004516357.1	Scaffold1047	46815	AA	CC	1940478082
SNP_P1_217298_49257	NW_004516357.1	Scaffold1047	49257	TT	AA	1940478083
SNP_P1_217301_49668	NW_004516357.1	Scaffold1047	49668	CC	TT	1940478084
SNP_P1_217302_49740	NW_004516357.1	Scaffold1047	49740	GG	CC	1940478085
SNP_P1_217303_49825	NW_004516357.1	Scaffold1047	49825	AA	TT	1940478086
SNP_P1_217305_50862	NW_004516357.1	Scaffold1047	50862	CC	TT	1940478087
SNP_P1_217307_51246	NW_004516357.1	Scaffold1047	51246	AA	TT	1940478088
SNP_P1_217308_54790	NW_004516357.1	Scaffold1047	54790	GG	AA	1940478089
SNP_P1_217309_54792	NW_004516357.1	Scaffold1047	54792	GG	AA	1940478090
SNP_P1_217310_54902	NW_004516357.1	Scaffold1047	54902	CC	TT	1940478091
SNP_P1_217311_55030	NW_004516357.1	Scaffold1047	55030	AA	TT	1940478092
SNP_P1_217312_55096	NW_004516357.1	Scaffold1047	55096	TT	CC	1940478093
SNP_P1_217313_55378	NW_004516357.1	Scaffold1047	55378	CC	TT	1940478094
SNP_P1_217316_55857	NW_004516357.1	Scaffold1047	55857	TT	GG	1940478095
SNP_P1_217317_55929	NW_004516357.1	Scaffold1047	55929	AA	CC	1940478096
SNP_P1_217318_56003	NW_004516357.1	Scaffold1047	56003	TT	CC	1940478097
SNP_P1_217320_57515	NW_004516357.1	Scaffold1047	57515	TT	CC	1940478098
SNP_P1_217321_57779	NW_004516357.1	Scaffold1047	57779	GG	TT	1940478099
SNP_P1_217322_57789	NW_004516357.1	Scaffold1047	57789	AA	GG	1940478100
SNP_P1_217323_57807	NW_004516357.1	Scaffold1047	57807	TT	AA	1940478101
SNP_P1_217324_57811	NW_004516357.1	Scaffold1047	57811	CC	TT	1940478102
SNP_P1_217325_57863	NW_004516357.1	Scaffold1047	57863	AA	GG	1940478103
SNP_P1_217326_59541	NW_004516357.1	Scaffold1047	59541	CC	TT	1940478104
SNP_P1_217327_59949	NW_004516357.1	Scaffold1047	59949	GG	CC	1940478105
SNP_P1_217329_60096	NW_004516357.1	Scaffold1047	60096	GG	AA	1940478106
SNP_P1_217330_60276	NW_004516357.1	Scaffold1047	60276	GG	AA	1940478107
SNP_P1_217331_60617	NW_004516357.1	Scaffold1047	60617	CC	TT	1940478108
SNP_P1_217332_60620	NW_004516357.1	Scaffold1047	60620	GG	AA	1940478109
SNP_P1_217333_60650	NW_004516357.1	Scaffold1047	60650	GG	AA	1940478110
SNP_P1_217334_61904	NW_004516357.1	Scaffold1047	61904	CC	TT	1940478111
SNP_P1_217335_61905	NW_004516357.1	Scaffold1047	61905	CC	GG	1940478112
SNP_P1_217336_64809	NW_004516357.1	Scaffold1047	64809	CC	AA	1940478113
SNP_P1_217337_67906	NW_004516357.1	Scaffold1047	67906	GG	AA	1940478114
SNP_P1_217338_67916	NW_004516357.1	Scaffold1047	67916	AA	GG	1940478115
SNP_P1_217339_69053	NW_004516357.1	Scaffold1047	69053	CC	TT	1940478116
SNP_P1_217340_70502	NW_004516357.1	Scaffold1047	70502	AA	TT	1940478117
SNP_P1_217341_71106	NW_004516357.1	Scaffold1047	71106	GG	TT	1940478118
SNP_P1_217342_71166	NW_004516357.1	Scaffold1047	71166	TT	CC	1940478120
SNP_P1_217344_72550	NW_004516357.1	Scaffold1047	72550	TT	GG	1940478121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217348_73163	NW_004516357.1	Scaffold1047	73163	CC	TT	1940478124
SNP_P1_217350_73694	NW_004516357.1	Scaffold1047	73694	TT	CC	1940478125
SNP_P1_217351_73951	NW_004516357.1	Scaffold1047	73951	AA	CC	1940478126
SNP_P1_217352_73979	NW_004516357.1	Scaffold1047	73979	CC	TT	1940478127
SNP_P1_217353_74019	NW_004516357.1	Scaffold1047	74019	TT	AA	1940478128
SNP_P1_217354_74267	NW_004516357.1	Scaffold1047	74267	CC	TT	1940478129
SNP_P1_217355_74289	NW_004516357.1	Scaffold1047	74289	CC	TT	1940478130
SNP_P1_217356_74291	NW_004516357.1	Scaffold1047	74291	CC	TT	1940478131
SNP_P1_217357_74306	NW_004516357.1	Scaffold1047	74306	GG	TT	1940478132
SNP_P1_217358_74921	NW_004516357.1	Scaffold1047	74921	TT	CC	1940478133
SNP_P1_217359_74932	NW_004516357.1	Scaffold1047	74932	AA	TT	1940478134
SNP_P1_217360_74941	NW_004516357.1	Scaffold1047	74941	AA	GG	1940478135
SNP_P1_217361_74942	NW_004516357.1	Scaffold1047	74942	AA	GG	1940478136
SNP_P1_217363_74999	NW_004516357.1	Scaffold1047	74999	GG	TT	1940478137
SNP_P1_217364_75019	NW_004516357.1	Scaffold1047	75019	TT	AA	1940478138
SNP_P1_217365_75049	NW_004516357.1	Scaffold1047	75049	CC	AA	1940478139
SNP_P1_217366_75051	NW_004516357.1	Scaffold1047	75051	AA	TT	1940478140
SNP_P1_217367_79672	NW_004516357.1	Scaffold1047	79672	GG	TT	1940478141
SNP_P1_217368_81193	NW_004516357.1	Scaffold1047	81193	AA	GG	1940478142
SNP_P1_217370_81827	NW_004516357.1	Scaffold1047	81827	CC	AA	1940478143
SNP_P1_217371_82079	NW_004516357.1	Scaffold1047	82079	GG	AA	1940478144
SNP_P1_217372_82087	NW_004516357.1	Scaffold1047	82087	AA	GG	1940478145
SNP_P1_217373_82112	NW_004516357.1	Scaffold1047	82112	TT	AA	1940478146
SNP_P1_217374_82177	NW_004516357.1	Scaffold1047	82177	GG	AA	1940478147
SNP_P1_217375_82192	NW_004516357.1	Scaffold1047	82192	AA	GG	1940478148
SNP_P1_217376_82194	NW_004516357.1	Scaffold1047	82194	CC	TT	1940478149
SNP_P1_217377_82741	NW_004516357.1	Scaffold1047	82741	TT	GG	1940478150
SNP_P1_217379_82784	NW_004516357.1	Scaffold1047	82784	CC	AA	1940478151
SNP_P1_217380_83275	NW_004516357.1	Scaffold1047	83275	CC	GG	1940478152
SNP_P1_217381_83422	NW_004516357.1	Scaffold1047	83422	CC	AA	1940478153
SNP_P1_217382_83436	NW_004516357.1	Scaffold1047	83436	CC	AA	1940478154
SNP_P1_217383_83446	NW_004516357.1	Scaffold1047	83446	GG	TT	1940478155
SNP_P1_217384_83548	NW_004516357.1	Scaffold1047	83548	CC	TT	1940478156
SNP_P1_217385_92092	NW_004516357.1	Scaffold1047	92092	AA	GG	1940478157
SNP_P1_217387_93391	NW_004516357.1	Scaffold1047	93391	AA	CC	1940478158
SNP_P1_217388_93842	NW_004516357.1	Scaffold1047	93842	AA	GG	1940478159
SNP_P1_217390_95592	NW_004516357.1	Scaffold1047	95592	TT	CC	1940478160
SNP_P1_217391_95645	NW_004516357.1	Scaffold1047	95645	AA	TT	1940478161
SNP_P1_217392_96369	NW_004516357.1	Scaffold1047	96369	AA	GG	1940478162
SNP_P1_217393_96453	NW_004516357.1	Scaffold1047	96453	AA	TT	1940478163

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217395_96612	NW_004516357.1	Scaffold1047	96612	AA	TT	1940478165
SNP_P1_217396_96790	NW_004516357.1	Scaffold1047	96790	GG	CC	1940478166
SNP_P1_217397_96988	NW_004516357.1	Scaffold1047	96988	CC	AA	1940478167
SNP_P1_217398_97002	NW_004516357.1	Scaffold1047	97002	AA	TT	1940478168
SNP_P1_217401_97580	NW_004516357.1	Scaffold1047	97580	TT	CC	1940478169
SNP_P1_217402_97641	NW_004516357.1	Scaffold1047	97641	CC	AA	1940478170
SNP_P1_217403_97674	NW_004516357.1	Scaffold1047	97674	CC	TT	1940478171
SNP_P1_217404_97695	NW_004516357.1	Scaffold1047	97695	AA	GG	1940478172
SNP_P1_217405_97702	NW_004516357.1	Scaffold1047	97702	GG	AA	1940478173
SNP_P1_217406_97786	NW_004516357.1	Scaffold1047	97786	CC	AA	1940478174
SNP_P1_217407_97901	NW_004516357.1	Scaffold1047	97901	CC	TT	1940478175
SNP_P1_217408_98028	NW_004516357.1	Scaffold1047	98028	AA	GG	1940478176
SNP_P1_217409_98405	NW_004516357.1	Scaffold1047	98405	CC	TT	1940478177
SNP_P1_217412_98787	NW_004516357.1	Scaffold1047	98787	GG	TT	1940478178
SNP_P1_217413_99067	NW_004516357.1	Scaffold1047	99067	AA	TT	1940478179
SNP_P1_217415_100369	NW_004516357.1	Scaffold1047	100369	AA	GG	1940478180
SNP_P1_217416_100692	NW_004516357.1	Scaffold1047	100692	TT	AA	1940478181
SNP_P1_217418_100788	NW_004516357.1	Scaffold1047	100788	GG	CC	1940478182
SNP_P1_217419_102351	NW_004516357.1	Scaffold1047	102351	CC	TT	1940478183
SNP_P1_217420_102477	NW_004516357.1	Scaffold1047	102477	GG	AA	1940478184
SNP_P1_217421_103151	NW_004516357.1	Scaffold1047	103151	GG	TT	1940478185
SNP_P1_217422_103407	NW_004516357.1	Scaffold1047	103407	CC	TT	1940478186
SNP_P1_217423_128470	NW_004516357.1	Scaffold1047	128470	CC	TT	1940478187
SNP_P1_217425_138110	NW_004516357.1	Scaffold1047	138110	CC	TT	1940478188
SNP_P1_217426_152229	NW_004516357.1	Scaffold1047	152229	TT	CC	1940478189
SNP_P1_217427_153521	NW_004516357.1	Scaffold1047	153521	TT	CC	1940478190
SNP_P1_217428_175424	NW_004516357.1	Scaffold1047	175424	AA	GG	1940478191
SNP_P1_217429_185357	NW_004516357.1	Scaffold1047	185357	CC	TT	1940478192
SNP_P1_217430_197882	NW_004516357.1	Scaffold1047	197882	GG	AA	1940478193
SNP_P1_217431_208898	NW_004516357.1	Scaffold1047	208898	TT	CC	1940478194
SNP_P1_217433_242535	NW_004516357.1	Scaffold1047	242535	TT	GG	1940478195
SNP_P1_217435_256398	NW_004516357.1	Scaffold1047	256398	AA	TT	1940478196
SNP_P1_217436_264010	NW_004516357.1	Scaffold1047	264010	CC	TT	1940478197
SNP_P1_217437_267698	NW_004516357.1	Scaffold1047	267698	CC	TT	1940478198
SNP_P1_217438_278063	NW_004516357.1	Scaffold1047	278063	GG	AA	1940478199
SNP_P1_217439_279511	NW_004516357.1	Scaffold1047	279511	GG	AA	1940478200
SNP_P1_217440_281047	NW_004516357.1	Scaffold1047	281047	CC	GG	1940478201
SNP_P1_217442_283715	NW_004516357.1	Scaffold1047	283715	TT	AA	1940478202
SNP_P1_217443_283718	NW_004516357.1	Scaffold1047	283718	TT	AA	1940478203
SNP_P1_217445_303113	NW_004516357.1	Scaffold1047	303113	AA	TT	1940478204
SNP_P1_217447_318055	NW_004516357.1	Scaffold1047	318055	TT	AA	1940478205

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217449_346718	NW_004516357.1	Scaffold1047	346718	TT	CC	1940478207
SNP_P1_217450_360607	NW_004516357.1	Scaffold1047	360607	TT	CC	1940478208
SNP_P1_217451_369235	NW_004516357.1	Scaffold1047	369235	AA	GG	1940478209
SNP_P1_217452_369243	NW_004516357.1	Scaffold1047	369243	AA	GG	1940478210
SNP_P1_217453_377808	NW_004516357.1	Scaffold1047	377808	TT	CC	1940478211
SNP_P1_217454_378516	NW_004516357.1	Scaffold1047	378516	CC	AA	1940478212
SNP_P1_217455_383449	NW_004516357.1	Scaffold1047	383449	AA	TT	1940478213
SNP_P1_217456_385785	NW_004516357.1	Scaffold1047	385785	GG	AA	1940478214
SNP_P1_217457_385813	NW_004516357.1	Scaffold1047	385813	GG	AA	1940478215
SNP_P1_217458_385818	NW_004516357.1	Scaffold1047	385818	GG	AA	1940478216
SNP_P1_217459_385831	NW_004516357.1	Scaffold1047	385831	CC	GG	1940478217
SNP_P1_217460_385837	NW_004516357.1	Scaffold1047	385837	TT	GG	1940478218
SNP_P1_217461_386057	NW_004516357.1	Scaffold1047	386057	TT	AA	1940478219
SNP_P1_217462_386149	NW_004516357.1	Scaffold1047	386149	TT	AA	1940478220
SNP_P1_217463_386927	NW_004516357.1	Scaffold1047	386927	CC	TT	1940478221
SNP_P1_217464_399895	NW_004516357.1	Scaffold1047	399895	CC	TT	1940478222
SNP_P1_217466_419821	NW_004516357.1	Scaffold1047	419821	GG	TT	1940478223
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SNP_P1_217468_419919	NW_004516357.1	Scaffold1047	419919	GG	AA	1940478225
SNP_P1_217469_422267	NW_004516357.1	Scaffold1047	422267	AA	TT	1940478226
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SNP_P1_217471_441637	NW_004516357.1	Scaffold1047	441637	TT	CC	1940478228
SNP_P1_217472_450527	NW_004516357.1	Scaffold1047	450527	GG	TT	1940478229
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SNP_P1_217477_496044	NW_004516357.1	Scaffold1047	496044	CC	TT	1940478233
SNP_P1_217478_496070	NW_004516357.1	Scaffold1047	496070	AA	GG	1940478234
SNP_P1_217479_498802	NW_004516357.1	Scaffold1047	498802	AA	CC	1940478235
SNP_P1_217480_503170	NW_004516357.1	Scaffold1047	503170	AA	GG	1940478236
SNP_P1_217481_503407	NW_004516357.1	Scaffold1047	503407	AA	GG	1940478237
SNP_P1_217482_509269	NW_004516357.1	Scaffold1047	509269	CC	TT	1940478238
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SNP_P1_217485_552766	NW_004516357.1	Scaffold1047	552766	GG	AA	1940478240
SNP_P1_217486_559639	NW_004516357.1	Scaffold1047	559639	CC	TT	1940478241
SNP_P1_217488_569410	NW_004516357.1	Scaffold1047	569410	TT	CC	1940478242
SNP_P1_217490_591910	NW_004516357.1	Scaffold1047	591910	CC	GG	1940478243
SNP_P1_217492_595002	NW_004516357.1	Scaffold1047	595002	CC	TT	1940478244
SNP_P1_217493_595055	NW_004516357.1	Scaffold1047	595055	GG	AA	1940478245
SNP_P1_217495_147	NW_004516358.1	Scaffold1048	147	AA	GG	1940478246
SNP_P1_217496_200	NW_004516358.1	Scaffold1048	200	CC	GG	1940478247

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217499_913	NW_004516359.1	Scaffold1049	913	TT	AA	1940478250
SNP_P1_217500_1231	NW_004516359.1	Scaffold1049	1231	GG	AA	1940478251
SNP_P1_217501_1728	NW_004516359.1	Scaffold1049	1728	CC	TT	1940478252
SNP_P1_217502_1733	NW_004516359.1	Scaffold1049	1733	TT	CC	1940478253
SNP_P1_217503_1736	NW_004516359.1	Scaffold1049	1736	GG	TT	1940478254
SNP_P1_217504_1744	NW_004516359.1	Scaffold1049	1744	AA	GG	1940478255
SNP_P1_217505_10545	NW_004516359.1	Scaffold1049	10545	GG	AA	1940478256
SNP_P1_217507_32896	NW_004516359.1	Scaffold1049	32896	GG	CC	1940478257
SNP_P1_217508_34557	NW_004516359.1	Scaffold1049	34557	TT	CC	1940478258
SNP_P1_217509_34562	NW_004516359.1	Scaffold1049	34562	TT	CC	1940478259
SNP_P1_217510_50712	NW_004516359.1	Scaffold1049	50712	AA	CC	1940478260
SNP_P1_217511_72984	NW_004516359.1	Scaffold1049	72984	AA	GG	1940478261
SNP_P1_217512_72986	NW_004516359.1	Scaffold1049	72986	GG	AA	1940478262
SNP_P1_217513_73015	NW_004516359.1	Scaffold1049	73015	CC	TT	1940478263
SNP_P1_217514_74752	NW_004516359.1	Scaffold1049	74752	AA	GG	1940478264
SNP_P1_217515_74930	NW_004516359.1	Scaffold1049	74930	AA	GG	1940478265
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SNP_P1_217519_98915	NW_004516359.1	Scaffold1049	98915	GG	AA	1940478267
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SNP_P1_217521_99936	NW_004516359.1	Scaffold1049	99936	TT	AA	1940478269
SNP_P1_217522_99944	NW_004516359.1	Scaffold1049	99944	CC	TT	1940478270
SNP_P1_217523_100003	NW_004516359.1	Scaffold1049	100003	TT	CC	1940478271
SNP_P1_217524_110915	NW_004516359.1	Scaffold1049	110915	GG	TT	1940478272
SNP_P1_217525_110943	NW_004516359.1	Scaffold1049	110943	TT	CC	1940478273
SNP_P1_217526_110979	NW_004516359.1	Scaffold1049	110979	AA	CC	1940478274
SNP_P1_217527_111182	NW_004516359.1	Scaffold1049	111182	TT	CC	1940478275
SNP_P1_217528_111247	NW_004516359.1	Scaffold1049	111247	AA	GG	1940478276
SNP_P1_217529_127969	NW_004516359.1	Scaffold1049	127969	TT	GG	1940478277
SNP_P1_217530_127987	NW_004516359.1	Scaffold1049	127987	AA	GG	1940478278
SNP_P1_217531_127988	NW_004516359.1	Scaffold1049	127988	CC	GG	1940478279
SNP_P1_217532_128098	NW_004516359.1	Scaffold1049	128098	AA	GG	1940478280
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SNP_P1_217539_128487	NW_004516359.1	Scaffold1049	128487	AA	GG	1940478288
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217545_185136	NW_004516359.1	Scaffold1049	185136	GG	AA	1940478294
SNP_P1_217547_195016	NW_004516359.1	Scaffold1049	195016	AA	GG	1940478295
SNP_P1_217548_227020	NW_004516359.1	Scaffold1049	227020	AA	TT	1940478296
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SNP_P1_217550_240392	NW_004516359.1	Scaffold1049	240392	CC	TT	1940478298
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SNP_P1_217552_270025	NW_004516359.1	Scaffold1049	270025	AA	GG	1940478300
SNP_P1_217553_270048	NW_004516359.1	Scaffold1049	270048	AA	GG	1940478301
SNP_P1_217554_275936	NW_004516359.1	Scaffold1049	275936	TT	GG	1940478302
SNP_P1_217555_276255	NW_004516359.1	Scaffold1049	276255	AA	GG	1940478303
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SNP_P1_217559_277334	NW_004516359.1	Scaffold1049	277334	TT	CC	1940478307
SNP_P1_217560_293701	NW_004516359.1	Scaffold1049	293701	TT	AA	1940478308
SNP_P1_217562_1076	NW_004516360.1	Scaffold1050	1076	CC	TT	1940478309
SNP_P1_217563_1938	NW_004516360.1	Scaffold1050	1938	GG	AA	1940478310
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SNP_P1_217565_13200	NW_004516360.1	Scaffold1050	13200	CC	TT	1940478312
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SNP_P1_217567_13226	NW_004516360.1	Scaffold1050	13226	CC	TT	1940478314
SNP_P1_217568_13466	NW_004516360.1	Scaffold1050	13466	TT	AA	1940478315
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SNP_P1_217580_102175	NW_004516360.1	Scaffold1050	102175	TT	CC	1940478326
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SNP_P1_217585_104576	NW_004516360.1	Scaffold1050	104576	GG	TT	1940478331
SNP_P1_217586_104579	NW_004516360.1	Scaffold1050	104579	TT	AA	1940478332

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217591_110019	NW_004516360.1	Scaffold1050	110019	AA	TT	1940478337
SNP_P1_217592_149185	NW_004516360.1	Scaffold1050	149185	TT	AA	1940478338
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SNP_P1_217594_153930	NW_004516360.1	Scaffold1050	153930	CC	GG	1940478340
SNP_P1_217595_159564	NW_004516360.1	Scaffold1050	159564	GG	TT	1940478341
SNP_P1_217596_246503	NW_004516360.1	Scaffold1050	246503	AA	CC	1940478342
SNP_P1_217597_246504	NW_004516360.1	Scaffold1050	246504	AA	GG	1940478343
SNP_P1_217598_246568	NW_004516360.1	Scaffold1050	246568	AA	GG	1940478344
SNP_P1_217599_249853	NW_004516360.1	Scaffold1050	249853	TT	CC	1940478345
SNP_P1_217600_249892	NW_004516360.1	Scaffold1050	249892	TT	AA	1940478346
SNP_P1_217601_249906	NW_004516360.1	Scaffold1050	249906	TT	GG	1940478347
SNP_P1_217602_249923	NW_004516360.1	Scaffold1050	249923	TT	CC	1940478348
SNP_P1_217603_249951	NW_004516360.1	Scaffold1050	249951	TT	GG	1940478349
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SNP_P1_217605_2004	NW_004516361.1	Scaffold1051	2004	TT	GG	1940478351
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SNP_P1_217608_2322	NW_004516361.1	Scaffold1051	2322	AA	GG	1940478354
SNP_P1_217609_11613	NW_004516361.1	Scaffold1051	11613	AA	TT	1940478355
SNP_P1_217610_11688	NW_004516361.1	Scaffold1051	11688	TT	CC	1940478356
SNP_P1_217611_12361	NW_004516361.1	Scaffold1051	12361	TT	CC	1940478357
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SNP_P1_217613_13712	NW_004516361.1	Scaffold1051	13712	TT	CC	1940478359
SNP_P1_217614_13803	NW_004516361.1	Scaffold1051	13803	AA	GG	1940478360
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SNP_P1_217618_13878	NW_004516361.1	Scaffold1051	13878	TT	CC	1940478364
SNP_P1_217619_13985	NW_004516361.1	Scaffold1051	13985	CC	TT	1940478365
SNP_P1_217620_14011	NW_004516361.1	Scaffold1051	14011	GG	AA	1940478366
SNP_P1_217621_14051	NW_004516361.1	Scaffold1051	14051	GG	TT	1940478367
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SNP_P1_217625_15381	NW_004516361.1	Scaffold1051	15381	TT	CC	1940478371
SNP_P1_217626_24673	NW_004516361.1	Scaffold1051	24673	AA	CC	1940478372
SNP_P1_217627_25610	NW_004516361.1	Scaffold1051	25610	CC	TT	1940478373
SNP_P1_217628_29122	NW_004516361.1	Scaffold1051	29122	AA	TT	1940478374

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217631_41745	NW_004516361.1	Scaffold1051	41745	GG	AA	1940478377
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SNP_P1_217635_49049	NW_004516361.1	Scaffold1051	49049	GG	TT	1940478381
SNP_P1_217637_49066	NW_004516361.1	Scaffold1051	49066	GG	TT	1940478382
SNP_P1_217638_50378	NW_004516361.1	Scaffold1051	50378	GG	CC	1940478383
SNP_P1_217639_57107	NW_004516361.1	Scaffold1051	57107	CC	TT	1940478384
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SNP_P1_217641_73525	NW_004516361.1	Scaffold1051	73525	GG	TT	1940478386
SNP_P1_217642_73566	NW_004516361.1	Scaffold1051	73566	TT	AA	1940478387
SNP_P1_217643_73789	NW_004516361.1	Scaffold1051	73789	TT	GG	1940478388
SNP_P1_217644_75184	NW_004516361.1	Scaffold1051	75184	AA	TT	1940478389
SNP_P1_217645_77136	NW_004516361.1	Scaffold1051	77136	AA	CC	1940478390
SNP_P1_217647_6050	NW_004516362.1	Scaffold1052	6050	GG	AA	1940478391
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SNP_P1_217666_16519	NW_004516362.1	Scaffold1052	16519	AA	GG	1940478407
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SNP_P1_217670_17533	NW_004516362.1	Scaffold1052	17533	AA	TT	1940478411
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SNP_P1_217674_18013	NW_004516362.1	Scaffold1052	18013	CC	TT	1940478415
SNP_P1_217675_19847	NW_004516362.1	Scaffold1052	19847	CC	TT	1940478416

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217682_23185	NW_004516362.1	Scaffold1052	23185	AA	GG	1940478422
SNP_P1_217683_30781	NW_004516362.1	Scaffold1052	30781	TT	GG	1940478423
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SNP_P1_217685_39518	NW_004516362.1	Scaffold1052	39518	GG	AA	1940478425
SNP_P1_217686_39529	NW_004516362.1	Scaffold1052	39529	AA	GG	1940478426
SNP_P1_217689_40796	NW_004516362.1	Scaffold1052	40796	AA	TT	1940478427
SNP_P1_217690_41047	NW_004516362.1	Scaffold1052	41047	AA	GG	1940478428
SNP_P1_217691_41218	NW_004516362.1	Scaffold1052	41218	GG	AA	1940478429
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SNP_P1_217718_56393	NW_004516362.1	Scaffold1052	56393	AA	CC	1940478454
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217728_58257	NW_004516362.1	Scaffold1052	58257	GG	AA	1940478464
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SNP_P1_217734_62401	NW_004516362.1	Scaffold1052	62401	CC	AA	1940478469
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SNP_P1_217736_64451	NW_004516362.1	Scaffold1052	64451	AA	GG	1940478471
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SNP_P1_217740_66070	NW_004516362.1	Scaffold1052	66070	GG	CC	1940478475
SNP_P1_217741_66360	NW_004516362.1	Scaffold1052	66360	GG	AA	1940478476
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SNP_P1_217757_79267	NW_004516362.1	Scaffold1052	79267	GG	AA	1940478490
SNP_P1_217758_81871	NW_004516362.1	Scaffold1052	81871	AA	GG	1940478491
SNP_P1_217759_84478	NW_004516362.1	Scaffold1052	84478	CC	GG	1940478492
SNP_P1_217760_86410	NW_004516362.1	Scaffold1052	86410	CC	AA	1940478493
SNP_P1_217761_86593	NW_004516362.1	Scaffold1052	86593	AA	GG	1940478494
SNP_P1_217762_88561	NW_004516362.1	Scaffold1052	88561	GG	AA	1940478495
SNP_P1_217763_88579	NW_004516362.1	Scaffold1052	88579	TT	GG	1940478496
SNP_P1_217764_88622	NW_004516362.1	Scaffold1052	88622	TT	AA	1940478497
SNP_P1_217765_88623	NW_004516362.1	Scaffold1052	88623	TT	GG	1940478498
SNP_P1_217766_90224	NW_004516362.1	Scaffold1052	90224	CC	TT	1940478499
SNP_P1_217767_90264	NW_004516362.1	Scaffold1052	90264	GG	TT	1940478500
SNP_P1_217769_91702	NW_004516362.1	Scaffold1052	91702	CC	AA	1940478501

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_217771_94381	NW_004516362.1	Scaffold1052	94381	AA	GG	1940478502
SNP_P1_217773_94881	NW_004516362.1	Scaffold1052	94881	CC	TT	1940478503
SNP_P1_217774_96181	NW_004516362.1	Scaffold1052	96181	CC	TT	1940478504
SNP_P1_217775_98118	NW_004516362.1	Scaffold1052	98118	AA	GG	1940478505
SNP_P1_217776_103242	NW_004516362.1	Scaffold1052	103242	CC	GG	1940478506
SNP_P1_217777_104272	NW_004516362.1	Scaffold1052	104272	GG	AA	1940478507
SNP_P1_217778_104716	NW_004516362.1	Scaffold1052	104716	TT	AA	1940478508
SNP_P1_217779_105155	NW_004516362.1	Scaffold1052	105155	CC	AA	1940478509
SNP_P1_217780_105490	NW_004516362.1	Scaffold1052	105490	CC	TT	1940478510
SNP_P1_217781_109994	NW_004516362.1	Scaffold1052	109994	TT	CC	1940478511
SNP_P1_217782_110282	NW_004516362.1	Scaffold1052	110282	GG	AA	1940478512
SNP_P1_217783_112405	NW_004516362.1	Scaffold1052	112405	CC	AA	1940478513
SNP_P1_217784_116532	NW_004516362.1	Scaffold1052	116532	CC	TT	1940478514
SNP_P1_217785_122768	NW_004516362.1	Scaffold1052	122768	CC	TT	1940478515
SNP_P1_217787_129443	NW_004516362.1	Scaffold1052	129443	GG	AA	1940478516
SNP_P1_217788_129943	NW_004516362.1	Scaffold1052	129943	AA	GG	1940478517
SNP_P1_217789_133251	NW_004516362.1	Scaffold1052	133251	TT	CC	1940478518
SNP_P1_217790_133254	NW_004516362.1	Scaffold1052	133254	TT	CC	1940478519
SNP_P1_217791_133431	NW_004516362.1	Scaffold1052	133431	CC	TT	1940478520
SNP_P1_217792_133709	NW_004516362.1	Scaffold1052	133709	GG	AA	1940478521
SNP_P1_217793_134450	NW_004516362.1	Scaffold1052	134450	TT	CC	1940478522
SNP_P1_217794_134536	NW_004516362.1	Scaffold1052	134536	GG	CC	1940478523
SNP_P1_217795_135041	NW_004516362.1	Scaffold1052	135041	TT	AA	1940478524
SNP_P1_217796_135043	NW_004516362.1	Scaffold1052	135043	CC	TT	1940478525
SNP_P1_217797_135245	NW_004516362.1	Scaffold1052	135245	GG	AA	1940478526
SNP_P1_217799_139486	NW_004516362.1	Scaffold1052	139486	GG	AA	1940478527
SNP_P1_217800_139676	NW_004516362.1	Scaffold1052	139676	TT	CC	1940478528
SNP_P1_217801_139887	NW_004516362.1	Scaffold1052	139887	TT	CC	1940478529
SNP_P1_217802_139889	NW_004516362.1	Scaffold1052	139889	GG	AA	1940478530
SNP_P1_217804_140171	NW_004516362.1	Scaffold1052	140171	TT	CC	1940478531
SNP_P1_217805_141106	NW_004516362.1	Scaffold1052	141106	GG	TT	1940478532
SNP_P1_217806_141974	NW_004516362.1	Scaffold1052	141974	AA	GG	1940478533
SNP_P1_217808_143355	NW_004516362.1	Scaffold1052	143355	GG	TT	1940478534
SNP_P1_217809_144117	NW_004516362.1	Scaffold1052	144117	AA	GG	1940478535
SNP_P1_217810_144524	NW_004516362.1	Scaffold1052	144524	CC	AA	1940478536
SNP_P1_217812_149485	NW_004516362.1	Scaffold1052	149485	TT	CC	1940478537
SNP_P1_217813_152661	NW_004516362.1	Scaffold1052	152661	AA	TT	1940478538
SNP_P1_217814_156788	NW_004516362.1	Scaffold1052	156788	TT	CC	1940478539
SNP_P1_217815_157130	NW_004516362.1	Scaffold1052	157130	AA	GG	1940478540
SNP_P1_217816_160067	NW_004516362.1	Scaffold1052	160067	CC	TT	1940478541
SNP_P1_217817_162847	NW_004516362.1	Scaffold1052	162847	CC	TT	1940478542
SNP_P1_217818_163951	NW_004516362.1	Scaffold1052	163951	TT	AA	1940478543

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_217819_164336	NW_004516362.1	Scaffold1052	164336	TT	AA	1940478544
SNP_P1_217820_164354	NW_004516362.1	Scaffold1052	164354	CC	TT	1940478545
SNP_P1_217821_166785	NW_004516362.1	Scaffold1052	166785	AA	TT	1940478546
SNP_P1_217822_171169	NW_004516362.1	Scaffold1052	171169	AA	GG	1940478547
SNP_P1_217823_171247	NW_004516362.1	Scaffold1052	171247	AA	GG	1940478548
SNP_P1_217824_171398	NW_004516362.1	Scaffold1052	171398	GG	CC	1940478549
SNP_P1_217825_171525	NW_004516362.1	Scaffold1052	171525	GG	AA	1940478550
SNP_P1_217826_171537	NW_004516362.1	Scaffold1052	171537	GG	AA	1940478551
SNP_P1_217827_171611	NW_004516362.1	Scaffold1052	171611	AA	TT	1940478552
SNP_P1_217828_173441	NW_004516362.1	Scaffold1052	173441	TT	AA	1940478553
SNP_P1_217829_173499	NW_004516362.1	Scaffold1052	173499	GG	AA	1940478554
SNP_P1_217830_175076	NW_004516362.1	Scaffold1052	175076	TT	AA	1940478555
SNP_P1_217831_176661	NW_004516362.1	Scaffold1052	176661	AA	GG	1940478556
SNP_P1_217832_180776	NW_004516362.1	Scaffold1052	180776	CC	TT	1940478557
SNP_P1_217833_183031	NW_004516362.1	Scaffold1052	183031	AA	GG	1940478558
SNP_P1_217834_183322	NW_004516362.1	Scaffold1052	183322	AA	GG	1940478559
SNP_P1_217835_183444	NW_004516362.1	Scaffold1052	183444	CC	TT	1940478560
SNP_P1_217836_183673	NW_004516362.1	Scaffold1052	183673	TT	CC	1940478561
SNP_P1_217837_183772	NW_004516362.1	Scaffold1052	183772	AA	TT	1940478562
SNP_P1_217838_184707	NW_004516362.1	Scaffold1052	184707	GG	TT	1940478563
SNP_P1_217839_185573	NW_004516362.1	Scaffold1052	185573	AA	GG	1940478564
SNP_P1_217840_186073	NW_004516362.1	Scaffold1052	186073	CC	AA	1940478565
SNP_P1_217841_186141	NW_004516362.1	Scaffold1052	186141	GG	AA	1940478566
SNP_P1_217842_186367	NW_004516362.1	Scaffold1052	186367	CC	TT	1940478567
SNP_P1_217843_186375	NW_004516362.1	Scaffold1052	186375	GG	CC	1940478568
SNP_P1_217844_186388	NW_004516362.1	Scaffold1052	186388	TT	AA	1940478569
SNP_P1_217845_186541	NW_004516362.1	Scaffold1052	186541	GG	CC	1940478570
SNP_P1_217846_186690	NW_004516362.1	Scaffold1052	186690	GG	TT	1940478571
SNP_P1_217847_186712	NW_004516362.1	Scaffold1052	186712	AA	GG	1940478572
SNP_P1_217848_186885	NW_004516362.1	Scaffold1052	186885	TT	CC	1940478573
SNP_P1_217850_187636	NW_004516362.1	Scaffold1052	187636	TT	AA	1940478574
SNP_P1_217851_189457	NW_004516362.1	Scaffold1052	189457	TT	GG	1940478575
SNP_P1_217852_190219	NW_004516362.1	Scaffold1052	190219	AA	TT	1940478576
SNP_P1_217853_190220	NW_004516362.1	Scaffold1052	190220	AA	GG	1940478577
SNP_P1_217854_192677	NW_004516362.1	Scaffold1052	192677	AA	GG	1940478578
SNP_P1_217855_193335	NW_004516362.1	Scaffold1052	193335	CC	TT	1940478579
SNP_P1_217856_193741	NW_004516362.1	Scaffold1052	193741	AA	TT	1940478580
SNP_P1_217857_200368	NW_004516362.1	Scaffold1052	200368	GG	AA	1940478581
SNP_P1_217858_200662	NW_004516362.1	Scaffold1052	200662	AA	TT	1940478582
SNP_P1_217860_203126	NW_004516362.1	Scaffold1052	203126	TT	CC	1940478584
SNP_P1_217861_203389	NW_004516362.1	Scaffold1052	203389	GG	AA	1940478585
SNP_P1_217862_204032	NW_004516362.1	Scaffold1052	204032	GG	TT	1940478586

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217864_215753	NW_004516362.1	Scaffold1052	215753	CC	GG	1940478588
SNP_P1_217865_215808	NW_004516362.1	Scaffold1052	215808	AA	TT	1940478589
SNP_P1_217866_215816	NW_004516362.1	Scaffold1052	215816	GG	TT	1940478590
SNP_P1_217867_216098	NW_004516362.1	Scaffold1052	216098	GG	AA	1940478591
SNP_P1_217868_216136	NW_004516362.1	Scaffold1052	216136	CC	TT	1940478592
SNP_P1_217869_216147	NW_004516362.1	Scaffold1052	216147	CC	TT	1940478593
SNP_P1_217870_216178	NW_004516362.1	Scaffold1052	216178	TT	CC	1940478594
SNP_P1_217871_216182	NW_004516362.1	Scaffold1052	216182	AA	GG	1940478595
SNP_P1_217875_219643	NW_004516362.1	Scaffold1052	219643	TT	AA	1940478596
SNP_P1_217876_219644	NW_004516362.1	Scaffold1052	219644	TT	AA	1940478597
SNP_P1_217877_224995	NW_004516362.1	Scaffold1052	224995	AA	TT	1940478598
SNP_P1_217878_225128	NW_004516362.1	Scaffold1052	225128	CC	TT	1940478599
SNP_P1_217879_226392	NW_004516362.1	Scaffold1052	226392	TT	CC	1940478600
SNP_P1_217880_233174	NW_004516362.1	Scaffold1052	233174	TT	AA	1940478601
SNP_P1_217881_233182	NW_004516362.1	Scaffold1052	233182	CC	TT	1940478602
SNP_P1_217882_233245	NW_004516362.1	Scaffold1052	233245	CC	TT	1940478603
SNP_P1_217883_233417	NW_004516362.1	Scaffold1052	233417	GG	TT	1940478604
SNP_P1_217884_233482	NW_004516362.1	Scaffold1052	233482	AA	GG	1940478605
SNP_P1_217885_233513	NW_004516362.1	Scaffold1052	233513	CC	TT	1940478606
SNP_P1_217886_236062	NW_004516362.1	Scaffold1052	236062	AA	GG	1940478607
SNP_P1_217887_242775	NW_004516362.1	Scaffold1052	242775	GG	AA	1940478608
SNP_P1_217888_243159	NW_004516362.1	Scaffold1052	243159	AA	GG	1940478609
SNP_P1_217890_252415	NW_004516362.1	Scaffold1052	252415	AA	GG	1940478610
SNP_P1_217891_252443	NW_004516362.1	Scaffold1052	252443	TT	AA	1940478611
SNP_P1_217892_252446	NW_004516362.1	Scaffold1052	252446	TT	CC	1940478612
SNP_P1_217894_259905	NW_004516362.1	Scaffold1052	259905	TT	AA	1940478613
SNP_P1_217895_260015	NW_004516362.1	Scaffold1052	260015	AA	GG	1940478614
SNP_P1_217896_260148	NW_004516362.1	Scaffold1052	260148	CC	TT	1940478615
SNP_P1_217897_260186	NW_004516362.1	Scaffold1052	260186	CC	TT	1940478616
SNP_P1_217899_264873	NW_004516362.1	Scaffold1052	264873	GG	AA	1940478617
SNP_P1_217900_267631	NW_004516362.1	Scaffold1052	267631	TT	CC	1940478618
SNP_P1_217901_267707	NW_004516362.1	Scaffold1052	267707	CC	TT	1940478619
SNP_P1_217902_267710	NW_004516362.1	Scaffold1052	267710	CC	AA	1940478620
SNP_P1_217903_268366	NW_004516362.1	Scaffold1052	268366	TT	GG	1940478621
SNP_P1_217904_268665	NW_004516362.1	Scaffold1052	268665	TT	CC	1940478622
SNP_P1_217905_278328	NW_004516362.1	Scaffold1052	278328	AA	GG	1940478623
SNP_P1_217906_278462	NW_004516362.1	Scaffold1052	278462	GG	CC	1940478624
SNP_P1_217907_278472	NW_004516362.1	Scaffold1052	278472	TT	AA	1940478625
SNP_P1_217908_278493	NW_004516362.1	Scaffold1052	278493	CC	TT	1940478626
SNP_P1_217909_278526	NW_004516362.1	Scaffold1052	278526	TT	CC	1940478627
SNP_P1_217910_278766	NW_004516362.1	Scaffold1052	278766	TT	AA	1940478628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217912_282008	NW_004516362.1	Scaffold1052	282008	CC	TT	1940478630
SNP_P1_217913_282766	NW_004516362.1	Scaffold1052	282766	GG	AA	1940478631
SNP_P1_217914_288405	NW_004516362.1	Scaffold1052	288405	TT	CC	1940478632
SNP_P1_217915_290485	NW_004516362.1	Scaffold1052	290485	GG	AA	1940478633
SNP_P1_217916_290950	NW_004516362.1	Scaffold1052	290950	GG	AA	1940478634
SNP_P1_217917_291727	NW_004516362.1	Scaffold1052	291727	GG	AA	1940478635
SNP_P1_217918_294348	NW_004516362.1	Scaffold1052	294348	GG	AA	1940478636
SNP_P1_217919_295338	NW_004516362.1	Scaffold1052	295338	CC	TT	1940478637
SNP_P1_217920_295345	NW_004516362.1	Scaffold1052	295345	AA	TT	1940478638
SNP_P1_217921_295377	NW_004516362.1	Scaffold1052	295377	TT	AA	1940478639
SNP_P1_217922_295444	NW_004516362.1	Scaffold1052	295444	CC	AA	1940478640
SNP_P1_217923_295777	NW_004516362.1	Scaffold1052	295777	TT	GG	1940478641
SNP_P1_217924_295814	NW_004516362.1	Scaffold1052	295814	TT	CC	1940478642
SNP_P1_217925_303207	NW_004516362.1	Scaffold1052	303207	AA	TT	1940478643
SNP_P1_217926_303304	NW_004516362.1	Scaffold1052	303304	TT	CC	1940478644
SNP_P1_217927_303457	NW_004516362.1	Scaffold1052	303457	CC	TT	1940478645
SNP_P1_217928_303473	NW_004516362.1	Scaffold1052	303473	AA	CC	1940478646
SNP_P1_217929_305254	NW_004516362.1	Scaffold1052	305254	CC	TT	1940478647
SNP_P1_217930_305283	NW_004516362.1	Scaffold1052	305283	GG	AA	1940478648
SNP_P1_217931_307530	NW_004516362.1	Scaffold1052	307530	TT	AA	1940478649
SNP_P1_217932_312419	NW_004516362.1	Scaffold1052	312419	TT	GG	1940478650
SNP_P1_217933_313440	NW_004516362.1	Scaffold1052	313440	CC	TT	1940478651
SNP_P1_217934_315937	NW_004516362.1	Scaffold1052	315937	CC	TT	1940478652
SNP_P1_217935_316627	NW_004516362.1	Scaffold1052	316627	GG	AA	1940478653
SNP_P1_217936_317285	NW_004516362.1	Scaffold1052	317285	CC	TT	1940478654
SNP_P1_217937_322769	NW_004516362.1	Scaffold1052	322769	GG	AA	1940478655
SNP_P1_217938_327267	NW_004516362.1	Scaffold1052	327267	AA	TT	1940478656
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SNP_P1_217942_336981	NW_004516362.1	Scaffold1052	336981	AA	GG	1940478660
SNP_P1_217943_337031	NW_004516362.1	Scaffold1052	337031	TT	CC	1940478661
SNP_P1_217944_337564	NW_004516362.1	Scaffold1052	337564	TT	GG	1940478662
SNP_P1_217945_338698	NW_004516362.1	Scaffold1052	338698	TT	CC	1940478663
SNP_P1_217946_339704	NW_004516362.1	Scaffold1052	339704	AA	GG	1940478664
SNP_P1_217947_339766	NW_004516362.1	Scaffold1052	339766	CC	AA	1940478665
SNP_P1_217948_339779	NW_004516362.1	Scaffold1052	339779	AA	TT	1940478666
SNP_P1_217949_61	NW_004516364.1	Scaffold1055	61	TT	GG	1940478667
SNP_P1_217950_62	NW_004516364.1	Scaffold1055	62	TT	GG	1940478668
SNP_P1_217951_80	NW_004516364.1	Scaffold1055	80	AA	GG	1940478669
SNP_P1_217952_214	NW_004516364.1	Scaffold1055	214	TT	CC	1940478670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_217954_13286	NW_004516364.1	Scaffold1055	13286	TT	CC	1940478672
SNP_P1_217955_13335	NW_004516364.1	Scaffold1055	13335	AA	CC	1940478673
SNP_P1_217956_13369	NW_004516364.1	Scaffold1055	13369	CC	GG	1940478674
SNP_P1_217957_13399	NW_004516364.1	Scaffold1055	13399	TT	AA	1940478675
SNP_P1_217958_13527	NW_004516364.1	Scaffold1055	13527	CC	AA	1940478676
SNP_P1_217959_13741	NW_004516364.1	Scaffold1055	13741	TT	CC	1940478677
SNP_P1_217960_13957	NW_004516364.1	Scaffold1055	13957	TT	AA	1940478678
SNP_P1_217961_14938	NW_004516364.1	Scaffold1055	14938	AA	GG	1940478679
SNP_P1_217962_16209	NW_004516364.1	Scaffold1055	16209	GG	AA	1940478680
SNP_P1_217963_16843	NW_004516364.1	Scaffold1055	16843	AA	GG	1940478681
SNP_P1_217965_16916	NW_004516364.1	Scaffold1055	16916	CC	TT	1940478682
SNP_P1_217966_24624	NW_004516364.1	Scaffold1055	24624	TT	CC	1940478683
SNP_P1_217967_24626	NW_004516364.1	Scaffold1055	24626	TT	AA	1940478684
SNP_P1_217968_25474	NW_004516364.1	Scaffold1055	25474	TT	AA	1940478685
SNP_P1_217969_49628	NW_004516364.1	Scaffold1055	49628	GG	TT	1940478686
SNP_P1_217970_50947	NW_004516364.1	Scaffold1055	50947	GG	AA	1940478687
SNP_P1_217971_55963	NW_004516364.1	Scaffold1055	55963	GG	TT	1940478688
SNP_P1_217972_56038	NW_004516364.1	Scaffold1055	56038	CC	TT	1940478689
SNP_P1_217973_56120	NW_004516364.1	Scaffold1055	56120	AA	GG	1940478690
SNP_P1_217974_56148	NW_004516364.1	Scaffold1055	56148	AA	TT	1940478691
SNP_P1_217977_56414	NW_004516364.1	Scaffold1055	56414	TT	CC	1940478692
SNP_P1_217978_56437	NW_004516364.1	Scaffold1055	56437	TT	GG	1940478693
SNP_P1_217979_56512	NW_004516364.1	Scaffold1055	56512	AA	GG	1940478694
SNP_P1_217980_56513	NW_004516364.1	Scaffold1055	56513	AA	GG	1940478695
SNP_P1_217981_56600	NW_004516364.1	Scaffold1055	56600	GG	TT	1940478696
SNP_P1_217982_66000	NW_004516364.1	Scaffold1055	66000	TT	AA	1940478697
SNP_P1_217983_66003	NW_004516364.1	Scaffold1055	66003	GG	AA	1940478698
SNP_P1_217984_66004	NW_004516364.1	Scaffold1055	66004	TT	CC	1940478699
SNP_P1_217985_66205	NW_004516364.1	Scaffold1055	66205	CC	GG	1940478700
SNP_P1_217986_96932	NW_004516364.1	Scaffold1055	96932	TT	GG	1940478701
SNP_P1_217987_105658	NW_004516364.1	Scaffold1055	105658	GG	AA	1940478702
SNP_P1_217988_118567	NW_004516364.1	Scaffold1055	118567	AA	GG	1940478703
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SNP_P1_217991_121116	NW_004516364.1	Scaffold1055	121116	CC	TT	1940478706
SNP_P1_217992_121155	NW_004516364.1	Scaffold1055	121155	AA	GG	1940478707
SNP_P1_217993_122906	NW_004516364.1	Scaffold1055	122906	GG	CC	1940478708
SNP_P1_217994_122911	NW_004516364.1	Scaffold1055	122911	TT	AA	1940478709
SNP_P1_217995_122970	NW_004516364.1	Scaffold1055	122970	GG	TT	1940478710
SNP_P1_217996_129012	NW_004516364.1	Scaffold1055	129012	TT	CC	1940478711
SNP_P1_217997_129017	NW_004516364.1	Scaffold1055	129017	GG	AA	1940478712

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_217998_129035	NW_004516364.1	Scaffold1055	129035	TT	AA	1940478713
SNP_P1_217999_129059	NW_004516364.1	Scaffold1055	129059	TT	CC	1940478714
SNP_P1_218000_129083	NW_004516364.1	Scaffold1055	129083	TT	AA	1940478715
SNP_P1_218001_132118	NW_004516364.1	Scaffold1055	132118	TT	CC	1940478716
SNP_P1_218002_134651	NW_004516364.1	Scaffold1055	134651	CC	GG	1940478717
SNP_P1_218003_137852	NW_004516364.1	Scaffold1055	137852	AA	GG	1940478718
SNP_P1_218004_142252	NW_004516364.1	Scaffold1055	142252	CC	TT	1940478719
SNP_P1_218005_142473	NW_004516364.1	Scaffold1055	142473	TT	CC	1940478720
SNP_P1_218006_142679	NW_004516364.1	Scaffold1055	142679	CC	TT	1940478721
SNP_P1_218007_142714	NW_004516364.1	Scaffold1055	142714	GG	TT	1940478722
SNP_P1_218008_142802	NW_004516364.1	Scaffold1055	142802	AA	GG	1940478723
SNP_P1_218010_161922	NW_004516364.1	Scaffold1055	161922	CC	TT	1940478724
SNP_P1_218012_172049	NW_004516364.1	Scaffold1055	172049	TT	CC	1940478725
SNP_P1_218013_172064	NW_004516364.1	Scaffold1055	172064	AA	TT	1940478726
SNP_P1_218014_172207	NW_004516364.1	Scaffold1055	172207	TT	CC	1940478727
SNP_P1_218015_172375	NW_004516364.1	Scaffold1055	172375	AA	TT	1940478728
SNP_P1_218016_172552	NW_004516364.1	Scaffold1055	172552	CC	AA	1940478729
SNP_P1_218017_172584	NW_004516364.1	Scaffold1055	172584	AA	GG	1940478730
SNP_P1_218018_186177	NW_004516364.1	Scaffold1055	186177	AA	CC	1940478731
SNP_P1_218019_186211	NW_004516364.1	Scaffold1055	186211	AA	GG	1940478732
SNP_P1_218020_186216	NW_004516364.1	Scaffold1055	186216	AA	CC	1940478733
SNP_P1_218021_186219	NW_004516364.1	Scaffold1055	186219	TT	CC	1940478734
SNP_P1_218022_197996	NW_004516364.1	Scaffold1055	197996	CC	TT	1940478735
SNP_P1_218023_198284	NW_004516364.1	Scaffold1055	198284	CC	TT	1940478736
SNP_P1_218024_198301	NW_004516364.1	Scaffold1055	198301	GG	TT	1940478737
SNP_P1_218026_198386	NW_004516364.1	Scaffold1055	198386	GG	AA	1940478738
SNP_P1_218027_198407	NW_004516364.1	Scaffold1055	198407	TT	AA	1940478740
SNP_P1_218028_198413	NW_004516364.1	Scaffold1055	198413	CC	TT	1940478741
SNP_P1_218029_198416	NW_004516364.1	Scaffold1055	198416	GG	AA	1940478742
SNP_P1_218030_198429	NW_004516364.1	Scaffold1055	198429	CC	TT	1940478743
SNP_P1_218031_198436	NW_004516364.1	Scaffold1055	198436	TT	CC	1940478744
SNP_P1_218032_198451	NW_004516364.1	Scaffold1055	198451	CC	TT	1940478745
SNP_P1_218033_201167	NW_004516364.1	Scaffold1055	201167	CC	TT	1940478746
SNP_P1_218034_201198	NW_004516364.1	Scaffold1055	201198	TT	CC	1940478747
SNP_P1_218035_205825	NW_004516364.1	Scaffold1055	205825	CC	TT	1940478748
SNP_P1_218037_212998	NW_004516364.1	Scaffold1055	212998	GG	TT	1940478749
SNP_P1_218038_213482	NW_004516364.1	Scaffold1055	213482	TT	CC	1940478750
SNP_P1_218039_213514	NW_004516364.1	Scaffold1055	213514	AA	TT	1940478751
SNP_P1_218040_213929	NW_004516364.1	Scaffold1055	213929	CC	AA	1940478752
SNP_P1_218041_213930	NW_004516364.1	Scaffold1055	213930	AA	CC	1940478753
SNP_P1_218042_213931	NW_004516364.1	Scaffold1055	213931	AA	GG	1940478754
SNP_P1_218043_213934	NW_004516364.1	Scaffold1055	213934	CC	TT	1940478755

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218045_218173	NW_004516364.1	Scaffold1055	218173	TT	CC	1940478757
SNP_P1_218046_218223	NW_004516364.1	Scaffold1055	218223	CC	TT	1940478758
SNP_P1_218047_218411	NW_004516364.1	Scaffold1055	218411	GG	AA	1940478759
SNP_P1_218048_218420	NW_004516364.1	Scaffold1055	218420	CC	TT	1940478760
SNP_P1_218049_218799	NW_004516364.1	Scaffold1055	218799	AA	GG	1940478761
SNP_P1_218050_218820	NW_004516364.1	Scaffold1055	218820	TT	CC	1940478762
SNP_P1_218051_218868	NW_004516364.1	Scaffold1055	218868	CC	TT	1940478763
SNP_P1_218052_231442	NW_004516364.1	Scaffold1055	231442	GG	AA	1940478764
SNP_P1_218053_247738	NW_004516364.1	Scaffold1055	247738	AA	GG	1940478765
SNP_P1_218054_247741	NW_004516364.1	Scaffold1055	247741	AA	GG	1940478766
SNP_P1_218055_247766	NW_004516364.1	Scaffold1055	247766	AA	TT	1940478767
SNP_P1_218056_248651	NW_004516364.1	Scaffold1055	248651	CC	AA	1940478768
SNP_P1_218057_248652	NW_004516364.1	Scaffold1055	248652	TT	CC	1940478769
SNP_P1_218058_251421	NW_004516364.1	Scaffold1055	251421	AA	GG	1940478770
SNP_P1_218059_251462	NW_004516364.1	Scaffold1055	251462	GG	CC	1940478771
SNP_P1_218060_251834	NW_004516364.1	Scaffold1055	251834	AA	GG	1940478772
SNP_P1_218061_280231	NW_004516364.1	Scaffold1055	280231	TT	AA	1940478773
SNP_P1_218062_280528	NW_004516364.1	Scaffold1055	280528	TT	AA	1940478774
SNP_P1_218063_290341	NW_004516364.1	Scaffold1055	290341	TT	GG	1940478775
SNP_P1_218064_290342	NW_004516364.1	Scaffold1055	290342	TT	GG	1940478776
SNP_P1_218065_292297	NW_004516364.1	Scaffold1055	292297	GG	AA	1940478777
SNP_P1_218066_302748	NW_004516364.1	Scaffold1055	302748	CC	TT	1940478778
SNP_P1_218067_309120	NW_004516364.1	Scaffold1055	309120	CC	TT	1940478779
SNP_P1_218068_309128	NW_004516364.1	Scaffold1055	309128	TT	CC	1940478780
SNP_P1_218069_309138	NW_004516364.1	Scaffold1055	309138	CC	TT	1940478781
SNP_P1_218070_309142	NW_004516364.1	Scaffold1055	309142	GG	AA	1940478782
SNP_P1_218071_318027	NW_004516364.1	Scaffold1055	318027	AA	GG	1940478783
SNP_P1_218072_318220	NW_004516364.1	Scaffold1055	318220	GG	TT	1940478784
SNP_P1_218073_318328	NW_004516364.1	Scaffold1055	318328	AA	CC	1940478785
SNP_P1_218074_318393	NW_004516364.1	Scaffold1055	318393	TT	AA	1940478786
SNP_P1_218075_318433	NW_004516364.1	Scaffold1055	318433	AA	GG	1940478787
SNP_P1_218076_318722	NW_004516364.1	Scaffold1055	318722	GG	AA	1940478788
SNP_P1_218077_318737	NW_004516364.1	Scaffold1055	318737	TT	AA	1940478789
SNP_P1_218078_319400	NW_004516364.1	Scaffold1055	319400	CC	TT	1940478790
SNP_P1_218079_319404	NW_004516364.1	Scaffold1055	319404	AA	GG	1940478791
SNP_P1_218080_319410	NW_004516364.1	Scaffold1055	319410	AA	GG	1940478792
SNP_P1_218081_327989	NW_004516364.1	Scaffold1055	327989	AA	CC	1940478793
SNP_P1_218082_335468	NW_004516364.1	Scaffold1055	335468	CC	TT	1940478794
SNP_P1_218083_339245	NW_004516364.1	Scaffold1055	339245	CC	GG	1940478795
SNP_P1_218084_339287	NW_004516364.1	Scaffold1055	339287	AA	TT	1940478796
SNP_P1_218086_339340	NW_004516364.1	Scaffold1055	339340	TT	AA	1940478797

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218088_339413	NW_004516364.1	Scaffold1055	339413	TT	GG	1940478799
SNP_P1_218089_339470	NW_004516364.1	Scaffold1055	339470	AA	GG	1940478800
SNP_P1_218090_339510	NW_004516364.1	Scaffold1055	339510	TT	GG	1940478801
SNP_P1_218091_339562	NW_004516364.1	Scaffold1055	339562	GG	AA	1940478802
SNP_P1_218092_339576	NW_004516364.1	Scaffold1055	339576	CC	TT	1940478803
SNP_P1_218093_339577	NW_004516364.1	Scaffold1055	339577	GG	AA	1940478804
SNP_P1_218094_339590	NW_004516364.1	Scaffold1055	339590	CC	TT	1940478805
SNP_P1_218095_339619	NW_004516364.1	Scaffold1055	339619	GG	AA	1940478806
SNP_P1_218096_339624	NW_004516364.1	Scaffold1055	339624	AA	GG	1940478807
SNP_P1_218097_339668	NW_004516364.1	Scaffold1055	339668	AA	CC	1940478808
SNP_P1_218098_339671	NW_004516364.1	Scaffold1055	339671	AA	GG	1940478809
SNP_P1_218099_339682	NW_004516364.1	Scaffold1055	339682	AA	TT	1940478810
SNP_P1_218100_339717	NW_004516364.1	Scaffold1055	339717	TT	AA	1940478811
SNP_P1_218101_339744	NW_004516364.1	Scaffold1055	339744	CC	TT	1940478812
SNP_P1_218102_339752	NW_004516364.1	Scaffold1055	339752	CC	TT	1940478813
SNP_P1_218103_339776	NW_004516364.1	Scaffold1055	339776	AA	GG	1940478814
SNP_P1_218104_339786	NW_004516364.1	Scaffold1055	339786	GG	AA	1940478815
SNP_P1_218105_339812	NW_004516364.1	Scaffold1055	339812	AA	GG	1940478816
SNP_P1_218106_339831	NW_004516364.1	Scaffold1055	339831	TT	AA	1940478817
SNP_P1_218107_339851	NW_004516364.1	Scaffold1055	339851	AA	GG	1940478818
SNP_P1_218108_339872	NW_004516364.1	Scaffold1055	339872	GG	AA	1940478819
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SNP_P1_218110_339916	NW_004516364.1	Scaffold1055	339916	AA	GG	1940478821
SNP_P1_218111_339932	NW_004516364.1	Scaffold1055	339932	AA	TT	1940478822
SNP_P1_218112_340005	NW_004516364.1	Scaffold1055	340005	TT	GG	1940478823
SNP_P1_218114_340108	NW_004516364.1	Scaffold1055	340108	TT	AA	1940478824
SNP_P1_218115_340136	NW_004516364.1	Scaffold1055	340136	AA	GG	1940478825
SNP_P1_218116_340138	NW_004516364.1	Scaffold1055	340138	CC	TT	1940478826
SNP_P1_218117_340172	NW_004516364.1	Scaffold1055	340172	CC	TT	1940478827
SNP_P1_218119_340328	NW_004516364.1	Scaffold1055	340328	GG	AA	1940478828
SNP_P1_218120_340329	NW_004516364.1	Scaffold1055	340329	AA	TT	1940478829
SNP_P1_218121_340355	NW_004516364.1	Scaffold1055	340355	AA	CC	1940478830
SNP_P1_218122_340393	NW_004516364.1	Scaffold1055	340393	CC	TT	1940478831
SNP_P1_218123_340397	NW_004516364.1	Scaffold1055	340397	AA	GG	1940478832
SNP_P1_218125_340545	NW_004516364.1	Scaffold1055	340545	TT	CC	1940478833
SNP_P1_218126_340581	NW_004516364.1	Scaffold1055	340581	TT	CC	1940478834
SNP_P1_218127_340602	NW_004516364.1	Scaffold1055	340602	TT	CC	1940478835
SNP_P1_218129_340743	NW_004516364.1	Scaffold1055	340743	TT	AA	1940478836
SNP_P1_218130_340774	NW_004516364.1	Scaffold1055	340774	TT	GG	1940478837
SNP_P1_218131_340786	NW_004516364.1	Scaffold1055	340786	AA	GG	1940478838
SNP_P1_218132_340824	NW_004516364.1	Scaffold1055	340824	TT	CC	1940478839

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218134_340847	NW_004516364.1	Scaffold1055	340847	CC	TT	1940478841
SNP_P1_218135_341143	NW_004516364.1	Scaffold1055	341143	AA	GG	1940478842
SNP_P1_218136_341159	NW_004516364.1	Scaffold1055	341159	CC	TT	1940478843
SNP_P1_218137_341181	NW_004516364.1	Scaffold1055	341181	GG	AA	1940478844
SNP_P1_218138_341198	NW_004516364.1	Scaffold1055	341198	TT	CC	1940478845
SNP_P1_218139_341207	NW_004516364.1	Scaffold1055	341207	GG	TT	1940478846
SNP_P1_218140_341251	NW_004516364.1	Scaffold1055	341251	AA	GG	1940478847
SNP_P1_218141_341288	NW_004516364.1	Scaffold1055	341288	TT	CC	1940478848
SNP_P1_218142_341298	NW_004516364.1	Scaffold1055	341298	TT	AA	1940478849
SNP_P1_218143_341323	NW_004516364.1	Scaffold1055	341323	GG	AA	1940478850
SNP_P1_218144_341448	NW_004516364.1	Scaffold1055	341448	GG	AA	1940478851
SNP_P1_218145_342879	NW_004516364.1	Scaffold1055	342879	TT	CC	1940478852
SNP_P1_218146_3678	NW_004516365.1	Scaffold1056	3678	AA	GG	1940478853
SNP_P1_218147_3734	NW_004516365.1	Scaffold1056	3734	AA	TT	1940478854
SNP_P1_218148_3749	NW_004516365.1	Scaffold1056	3749	GG	AA	1940478855
SNP_P1_218149_15371	NW_004516365.1	Scaffold1056	15371	TT	AA	1940478856
SNP_P1_218150_23308	NW_004516365.1	Scaffold1056	23308	AA	CC	1940478857
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SNP_P1_218153_51714	NW_004516365.1	Scaffold1056	51714	GG	TT	1940478860
SNP_P1_218154_51725	NW_004516365.1	Scaffold1056	51725	GG	CC	1940478861
SNP_P1_218156_68045	NW_004516365.1	Scaffold1056	68045	GG	TT	1940478862
SNP_P1_218157_68731	NW_004516365.1	Scaffold1056	68731	AA	GG	1940478863
SNP_P1_218160_126901	NW_004516365.1	Scaffold1056	126901	CC	TT	1940478864
SNP_P1_218161_127552	NW_004516365.1	Scaffold1056	127552	AA	TT	1940478865
SNP_P1_218162_127554	NW_004516365.1	Scaffold1056	127554	CC	AA	1940478866
SNP_P1_218163_128944	NW_004516365.1	Scaffold1056	128944	TT	AA	1940478867
SNP_P1_218164_129342	NW_004516365.1	Scaffold1056	129342	CC	TT	1940478868
SNP_P1_218165_133896	NW_004516365.1	Scaffold1056	133896	GG	AA	1940478869
SNP_P1_218171_160105	NW_004516365.1	Scaffold1056	160105	CC	TT	1940478870
SNP_P1_218172_160685	NW_004516365.1	Scaffold1056	160685	AA	TT	1940478871
SNP_P1_218173_165046	NW_004516365.1	Scaffold1056	165046	AA	CC	1940478872
SNP_P1_218174_165052	NW_004516365.1	Scaffold1056	165052	GG	CC	1940478873
SNP_P1_218175_165425	NW_004516365.1	Scaffold1056	165425	AA	CC	1940478874
SNP_P1_218176_167633	NW_004516365.1	Scaffold1056	167633	CC	GG	1940478875
SNP_P1_218177_1263	NW_004516368.1	Scaffold1059	1263	AA	GG	1940478876
SNP_P1_218178_1709	NW_004516368.1	Scaffold1059	1709	CC	TT	1940478877
SNP_P1_218180_1941	NW_004516368.1	Scaffold1059	1941	GG	AA	1940478878
SNP_P1_218181_1993	NW_004516368.1	Scaffold1059	1993	TT	GG	1940478879
SNP_P1_218182_2041	NW_004516368.1	Scaffold1059	2041	TT	AA	1940478880
SNP_P1_218183_365	NW_004516369.1	Scaffold1060	365	GG	AA	1940478881

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218185_567	NW_004516369.1	Scaffold1060	567	AA	GG	1940478883
SNP_P1_218187_632	NW_004516369.1	Scaffold1060	632	TT	CC	1940478884
SNP_P1_218188_641	NW_004516369.1	Scaffold1060	641	GG	AA	1940478885
SNP_P1_218189_650	NW_004516369.1	Scaffold1060	650	TT	CC	1940478886
SNP_P1_218190_671	NW_004516369.1	Scaffold1060	671	TT	CC	1940478887
SNP_P1_218191_724	NW_004516369.1	Scaffold1060	724	TT	CC	1940478888
SNP_P1_218192_725	NW_004516369.1	Scaffold1060	725	CC	TT	1940478889
SNP_P1_218193_731	NW_004516369.1	Scaffold1060	731	TT	CC	1940478890
SNP_P1_218194_732	NW_004516369.1	Scaffold1060	732	CC	TT	1940478891
SNP_P1_218195_801	NW_004516369.1	Scaffold1060	801	GG	AA	1940478892
SNP_P1_218196_809	NW_004516369.1	Scaffold1060	809	TT	AA	1940478893
SNP_P1_218197_810	NW_004516369.1	Scaffold1060	810	CC	AA	1940478894
SNP_P1_218198_821	NW_004516369.1	Scaffold1060	821	TT	CC	1940478895
SNP_P1_218199_856	NW_004516369.1	Scaffold1060	856	AA	GG	1940478896
SNP_P1_218200_868	NW_004516369.1	Scaffold1060	868	CC	TT	1940478897
SNP_P1_218201_870	NW_004516369.1	Scaffold1060	870	TT	CC	1940478898
SNP_P1_218202_922	NW_004516369.1	Scaffold1060	922	GG	TT	1940478899
SNP_P1_218203_958	NW_004516369.1	Scaffold1060	958	CC	TT	1940478901
SNP_P1_218204_1115	NW_004516369.1	Scaffold1060	1115	GG	CC	1940478902
SNP_P1_218205_1147	NW_004516369.1	Scaffold1060	1147	TT	GG	1940478903
SNP_P1_218207_24468	NW_004516369.1	Scaffold1060	24468	AA	TT	1940478904
SNP_P1_218208_24471	NW_004516369.1	Scaffold1060	24471	AA	CC	1940478905
SNP_P1_218209_31156	NW_004516369.1	Scaffold1060	31156	AA	GG	1940478906
SNP_P1_218210_31182	NW_004516369.1	Scaffold1060	31182	GG	AA	1940478907
SNP_P1_218211_31202	NW_004516369.1	Scaffold1060	31202	GG	AA	1940478908
SNP_P1_218212_33274	NW_004516369.1	Scaffold1060	33274	GG	AA	1940478909
SNP_P1_218213_33333	NW_004516369.1	Scaffold1060	33333	GG	AA	1940478910
SNP_P1_218214_33514	NW_004516369.1	Scaffold1060	33514	TT	AA	1940478911
SNP_P1_218215_33859	NW_004516369.1	Scaffold1060	33859	TT	CC	1940478912
SNP_P1_218217_54451	NW_004516369.1	Scaffold1060	54451	CC	TT	1940478913
SNP_P1_218218_54456	NW_004516369.1	Scaffold1060	54456	CC	GG	1940478914
SNP_P1_218221_94034	NW_004516369.1	Scaffold1060	94034	AA	TT	1940478915
SNP_P1_218222_141826	NW_004516369.1	Scaffold1060	141826	GG	TT	1940478916
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SNP_P1_218224_169809	NW_004516369.1	Scaffold1060	169809	GG	TT	1940478918
SNP_P1_218225_169878	NW_004516369.1	Scaffold1060	169878	GG	CC	1940478919
SNP_P1_218226_170053	NW_004516369.1	Scaffold1060	170053	GG	AA	1940478920
SNP_P1_218227_170054	NW_004516369.1	Scaffold1060	170054	TT	CC	1940478921
SNP_P1_218228_170224	NW_004516369.1	Scaffold1060	170224	GG	TT	1940478922
SNP_P1_218229_170228	NW_004516369.1	Scaffold1060	170228	TT	GG	1940478923
SNP_P1_218230_170252	NW_004516369.1	Scaffold1060	170252	CC	AA	1940478924

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218232_170344	NW_004516369.1	Scaffold1060	170344	AA	GG	1940478926
SNP_P1_218233_170347	NW_004516369.1	Scaffold1060	170347	TT	CC	1940478927
SNP_P1_218234_170398	NW_004516369.1	Scaffold1060	170398	CC	TT	1940478928
SNP_P1_218235_170469	NW_004516369.1	Scaffold1060	170469	AA	GG	1940478929
SNP_P1_218236_170480	NW_004516369.1	Scaffold1060	170480	AA	GG	1940478930
SNP_P1_218237_170533	NW_004516369.1	Scaffold1060	170533	AA	CC	1940478931
SNP_P1_218238_182532	NW_004516369.1	Scaffold1060	182532	AA	GG	1940478932
SNP_P1_218239_182839	NW_004516369.1	Scaffold1060	182839	TT	CC	1940478933
SNP_P1_218240_198133	NW_004516369.1	Scaffold1060	198133	GG	AA	1940478934
SNP_P1_218241_201664	NW_004516369.1	Scaffold1060	201664	CC	TT	1940478935
SNP_P1_218242_201690	NW_004516369.1	Scaffold1060	201690	GG	CC	1940478936
SNP_P1_218243_213042	NW_004516369.1	Scaffold1060	213042	GG	TT	1940478937
SNP_P1_218244_242403	NW_004516369.1	Scaffold1060	242403	AA	GG	1940478938
SNP_P1_218245_242436	NW_004516369.1	Scaffold1060	242436	GG	CC	1940478939
SNP_P1_218246_244646	NW_004516369.1	Scaffold1060	244646	AA	GG	1940478940
SNP_P1_218247_244676	NW_004516369.1	Scaffold1060	244676	TT	GG	1940478941
SNP_P1_218248_279936	NW_004516369.1	Scaffold1060	279936	AA	CC	1940478942
SNP_P1_218249_280980	NW_004516369.1	Scaffold1060	280980	AA	GG	1940478943
SNP_P1_218250_300199	NW_004516369.1	Scaffold1060	300199	CC	AA	1940478944
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SNP_P1_218252_303274	NW_004516369.1	Scaffold1060	303274	AA	CC	1940478946
SNP_P1_218253_303300	NW_004516369.1	Scaffold1060	303300	CC	AA	1940478947
SNP_P1_218254_330899	NW_004516369.1	Scaffold1060	330899	CC	GG	1940478948
SNP_P1_218255_340008	NW_004516369.1	Scaffold1060	340008	GG	AA	1940478949
SNP_P1_218256_346747	NW_004516369.1	Scaffold1060	346747	AA	GG	1940478950
SNP_P1_218259_378946	NW_004516369.1	Scaffold1060	378946	CC	TT	1940478951
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SNP_P1_218261_389439	NW_004516369.1	Scaffold1060	389439	TT	CC	1940478953
SNP_P1_218262_389524	NW_004516369.1	Scaffold1060	389524	TT	CC	1940478954
SNP_P1_218263_389828	NW_004516369.1	Scaffold1060	389828	TT	CC	1940478955
SNP_P1_218265_400380	NW_004516369.1	Scaffold1060	400380	AA	TT	1940478956
SNP_P1_218266_450045	NW_004516369.1	Scaffold1060	450045	TT	AA	1940478957
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SNP_P1_218269_489633	NW_004516369.1	Scaffold1060	489633	TT	CC	1940478959
SNP_P1_218271_505375	NW_004516369.1	Scaffold1060	505375	GG	AA	1940478960
SNP_P1_218272_1909	NW_004516370.1	Scaffold1061	1909	TT	CC	1940478961
SNP_P1_218273_2014	NW_004516370.1	Scaffold1061	2014	CC	GG	1940478962
SNP_P1_218274_2015	NW_004516370.1	Scaffold1061	2015	CC	GG	1940478963
SNP_P1_218275_2069	NW_004516370.1	Scaffold1061	2069	GG	AA	1940478964
SNP_P1_218276_2315	NW_004516370.1	Scaffold1061	2315	CC	TT	1940478965
SNP_P1_218277_2355	NW_004516370.1	Scaffold1061	2355	AA	GG	1940478966

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218280_4421	NW_004516370.1	Scaffold1061	4421	CC	AA	1940478969
SNP_P1_218281_4674	NW_004516370.1	Scaffold1061	4674	GG	AA	1940478970
SNP_P1_218282_6096	NW_004516370.1	Scaffold1061	6096	AA	GG	1940478971
SNP_P1_218283_6129	NW_004516370.1	Scaffold1061	6129	TT	AA	1940478972
SNP_P1_218284_6356	NW_004516370.1	Scaffold1061	6356	AA	CC	1940478973
SNP_P1_218285_9573	NW_004516370.1	Scaffold1061	9573	GG	AA	1940478974
SNP_P1_218286_9644	NW_004516370.1	Scaffold1061	9644	TT	GG	1940478975
SNP_P1_218287_11488	NW_004516370.1	Scaffold1061	11488	AA	TT	1940478976
SNP_P1_218288_11525	NW_004516370.1	Scaffold1061	11525	AA	GG	1940478977
SNP_P1_218289_11530	NW_004516370.1	Scaffold1061	11530	TT	CC	1940478978
SNP_P1_218290_11550	NW_004516370.1	Scaffold1061	11550	GG	CC	1940478979
SNP_P1_218291_11681	NW_004516370.1	Scaffold1061	11681	AA	GG	1940478980
SNP_P1_218292_11686	NW_004516370.1	Scaffold1061	11686	CC	TT	1940478981
SNP_P1_218293_11700	NW_004516370.1	Scaffold1061	11700	GG	TT	1940478982
SNP_P1_218294_11745	NW_004516370.1	Scaffold1061	11745	GG	AA	1940478983
SNP_P1_218295_11772	NW_004516370.1	Scaffold1061	11772	TT	CC	1940478984
SNP_P1_218296_11859	NW_004516370.1	Scaffold1061	11859	AA	TT	1940478985
SNP_P1_218298_12072	NW_004516370.1	Scaffold1061	12072	CC	TT	1940478986
SNP_P1_218299_20892	NW_004516370.1	Scaffold1061	20892	GG	AA	1940478987
SNP_P1_218300_20910	NW_004516370.1	Scaffold1061	20910	TT	CC	1940478988
SNP_P1_218301_20952	NW_004516370.1	Scaffold1061	20952	AA	CC	1940478989
SNP_P1_218302_20955	NW_004516370.1	Scaffold1061	20955	TT	CC	1940478990
SNP_P1_218303_21088	NW_004516370.1	Scaffold1061	21088	TT	GG	1940478991
SNP_P1_218304_21108	NW_004516370.1	Scaffold1061	21108	GG	TT	1940478992
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SNP_P1_218306_27533	NW_004516370.1	Scaffold1061	27533	GG	TT	1940478994
SNP_P1_218307_27636	NW_004516370.1	Scaffold1061	27636	CC	TT	1940478995
SNP_P1_218309_27696	NW_004516370.1	Scaffold1061	27696	TT	CC	1940478996
SNP_P1_218310_27819	NW_004516370.1	Scaffold1061	27819	GG	AA	1940478997
SNP_P1_218311_28489	NW_004516370.1	Scaffold1061	28489	AA	GG	1940478998
SNP_P1_218312_28578	NW_004516370.1	Scaffold1061	28578	AA	GG	1940478999
SNP_P1_218313_28605	NW_004516370.1	Scaffold1061	28605	GG	AA	1940479000
SNP_P1_218314_28606	NW_004516370.1	Scaffold1061	28606	TT	AA	1940479001
SNP_P1_218315_28624	NW_004516370.1	Scaffold1061	28624	TT	CC	1940479002
SNP_P1_218316_28631	NW_004516370.1	Scaffold1061	28631	CC	AA	1940479003
SNP_P1_218317_28645	NW_004516370.1	Scaffold1061	28645	AA	GG	1940479004
SNP_P1_218318_28678	NW_004516370.1	Scaffold1061	28678	AA	GG	1940479005
SNP_P1_218319_28829	NW_004516370.1	Scaffold1061	28829	TT	GG	1940479006
SNP_P1_218320_28851	NW_004516370.1	Scaffold1061	28851	CC	TT	1940479007
SNP_P1_218321_28859	NW_004516370.1	Scaffold1061	28859	CC	AA	1940479008

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218323_31722	NW_004516370.1	Scaffold1061	31722	TT	CC	1940479010
SNP_P1_218324_31732	NW_004516370.1	Scaffold1061	31732	CC	GG	1940479011
SNP_P1_218325_31769	NW_004516370.1	Scaffold1061	31769	GG	AA	1940479012
SNP_P1_218326_31880	NW_004516370.1	Scaffold1061	31880	TT	CC	1940479013
SNP_P1_218327_31888	NW_004516370.1	Scaffold1061	31888	TT	GG	1940479014
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SNP_P1_218330_32234	NW_004516370.1	Scaffold1061	32234	TT	GG	1940479017
SNP_P1_218331_32302	NW_004516370.1	Scaffold1061	32302	AA	GG	1940479018
SNP_P1_218332_32358	NW_004516370.1	Scaffold1061	32358	TT	CC	1940479019
SNP_P1_218333_32598	NW_004516370.1	Scaffold1061	32598	GG	AA	1940479020
SNP_P1_218334_32625	NW_004516370.1	Scaffold1061	32625	TT	AA	1940479021
SNP_P1_218335_32858	NW_004516370.1	Scaffold1061	32858	AA	GG	1940479022
SNP_P1_218337_32907	NW_004516370.1	Scaffold1061	32907	GG	TT	1940479023
SNP_P1_218338_32935	NW_004516370.1	Scaffold1061	32935	TT	CC	1940479024
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SNP_P1_218340_32972	NW_004516370.1	Scaffold1061	32972	TT	CC	1940479026
SNP_P1_218341_32975	NW_004516370.1	Scaffold1061	32975	TT	AA	1940479027
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SNP_P1_218346_33278	NW_004516370.1	Scaffold1061	33278	TT	CC	1940479031
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SNP_P1_218358_36337	NW_004516370.1	Scaffold1061	36337	GG	AA	1940479043
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SNP_P1_218361_36478	NW_004516370.1	Scaffold1061	36478	GG	AA	1940479046
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SNP_P1_218363_36732	NW_004516370.1	Scaffold1061	36732	CC	TT	1940479048
SNP_P1_218364_38392	NW_004516370.1	Scaffold1061	38392	CC	AA	1940479049
SNP_P1_218365_39736	NW_004516370.1	Scaffold1061	39736	AA	GG	1940479050

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218369_39947	NW_004516370.1	Scaffold1061	39947	GG	TT	1940479054
SNP_P1_218370_40079	NW_004516370.1	Scaffold1061	40079	TT	CC	1940479055
SNP_P1_218371_40950	NW_004516370.1	Scaffold1061	40950	GG	AA	1940479056
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SNP_P1_218374_46224	NW_004516370.1	Scaffold1061	46224	AA	GG	1940479059
SNP_P1_218375_46439	NW_004516370.1	Scaffold1061	46439	GG	TT	1940479060
SNP_P1_218376_49599	NW_004516370.1	Scaffold1061	49599	CC	AA	1940479061
SNP_P1_218377_49638	NW_004516370.1	Scaffold1061	49638	AA	GG	1940479062
SNP_P1_218378_49665	NW_004516370.1	Scaffold1061	49665	GG	TT	1940479064
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SNP_P1_218380_49683	NW_004516370.1	Scaffold1061	49683	AA	TT	1940479066
SNP_P1_218381_49704	NW_004516370.1	Scaffold1061	49704	AA	GG	1940479067
SNP_P1_218383_49942	NW_004516370.1	Scaffold1061	49942	GG	AA	1940479068
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SNP_P1_218402_64145	NW_004516370.1	Scaffold1061	64145	AA	TT	1940479087
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SNP_P1_218407_65006	NW_004516370.1	Scaffold1061	65006	TT	GG	1940479092
SNP_P1_218408_65072	NW_004516370.1	Scaffold1061	65072	CC	TT	1940479093

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218411_67173	NW_004516370.1	Scaffold1061	67173	AA	TT	1940479096
SNP_P1_218412_67430	NW_004516370.1	Scaffold1061	67430	GG	AA	1940479097
SNP_P1_218413_67438	NW_004516370.1	Scaffold1061	67438	GG	AA	1940479098
SNP_P1_218414_67497	NW_004516370.1	Scaffold1061	67497	CC	TT	1940479099
SNP_P1_218415_67527	NW_004516370.1	Scaffold1061	67527	CC	TT	1940479100
SNP_P1_218416_67710	NW_004516370.1	Scaffold1061	67710	TT	CC	1940479101
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SNP_P1_218419_69197	NW_004516370.1	Scaffold1061	69197	TT	GG	1940479104
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SNP_P1_218421_69748	NW_004516370.1	Scaffold1061	69748	TT	CC	1940479106
SNP_P1_218422_69869	NW_004516370.1	Scaffold1061	69869	GG	AA	1940479107
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SNP_P1_218426_70421	NW_004516370.1	Scaffold1061	70421	CC	TT	1940479111
SNP_P1_218427_70425	NW_004516370.1	Scaffold1061	70425	AA	CC	1940479112
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SNP_P1_218429_70666	NW_004516370.1	Scaffold1061	70666	CC	GG	1940479114
SNP_P1_218430_70842	NW_004516370.1	Scaffold1061	70842	TT	GG	1940479115
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218463_72604	NW_004516370.1	Scaffold1061	72604	CC	TT	1940479147
SNP_P1_218464_72670	NW_004516370.1	Scaffold1061	72670	GG	CC	1940479148
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SNP_P1_218470_73439	NW_004516370.1	Scaffold1061	73439	CC	TT	1940479154
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218498_75338	NW_004516370.1	Scaffold1061	75338	GG	CC	1940479182
SNP_P1_218499_75361	NW_004516370.1	Scaffold1061	75361	AA	TT	1940479183
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SNP_P1_218501_75438	NW_004516370.1	Scaffold1061	75438	TT	GG	1940479185
SNP_P1_218502_75478	NW_004516370.1	Scaffold1061	75478	CC	AA	1940479186
SNP_P1_218503_75562	NW_004516370.1	Scaffold1061	75562	CC	TT	1940479187
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SNP_P1_218506_77003	NW_004516370.1	Scaffold1061	77003	TT	CC	1940479189
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SNP_P1_218508_77108	NW_004516370.1	Scaffold1061	77108	AA	CC	1940479191
SNP_P1_218509_77197	NW_004516370.1	Scaffold1061	77197	CC	TT	1940479192
SNP_P1_218510_77208	NW_004516370.1	Scaffold1061	77208	CC	AA	1940479193
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SNP_P1_218513_78241	NW_004516370.1	Scaffold1061	78241	GG	TT	1940479196
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SNP_P1_218535_74365	NW_004516372.1	Scaffold1065	74365	TT	CC	1940479218
SNP_P1_218536_74485	NW_004516372.1	Scaffold1065	74485	GG	AA	1940479220

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218540_99805	NW_004516372.1	Scaffold1065	99805	AA	TT	1940479224
SNP_P1_218542_149000	NW_004516372.1	Scaffold1065	149000	AA	GG	1940479225
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SNP_P1_218555_764	NW_004516374.1	Scaffold1067	764	TT	CC	1940479236
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SNP_P1_218557_819	NW_004516374.1	Scaffold1067	819	AA	GG	1940479238
SNP_P1_218558_927	NW_004516374.1	Scaffold1067	927	TT	CC	1940479239
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SNP_P1_218576_18891	NW_004516374.1	Scaffold1067	18891	GG	AA	1940479257
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SNP_P1_218579_18985	NW_004516374.1	Scaffold1067	18985	GG	AA	1940479260
SNP_P1_218580_18986	NW_004516374.1	Scaffold1067	18986	GG	AA	1940479261
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218591_69030	NW_004516374.1	Scaffold1067	69030	CC	TT	1940479272
SNP_P1_218592_69133	NW_004516374.1	Scaffold1067	69133	GG	AA	1940479273
SNP_P1_218593_76360	NW_004516374.1	Scaffold1067	76360	TT	CC	1940479274
SNP_P1_218594_101063	NW_004516374.1	Scaffold1067	101063	CC	GG	1940479275
SNP_P1_218595_117886	NW_004516374.1	Scaffold1067	117886	AA	CC	1940479276
SNP_P1_218596_117888	NW_004516374.1	Scaffold1067	117888	AA	GG	1940479277
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SNP_P1_218622_190869	NW_004516374.1	Scaffold1067	190869	GG	AA	1940479302
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218628_192095	NW_004516374.1	Scaffold1067	192095	TT	CC	1940479308
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SNP_P1_218632_196147	NW_004516374.1	Scaffold1067	196147	AA	GG	1940479312
SNP_P1_218633_196201	NW_004516374.1	Scaffold1067	196201	GG	AA	1940479313
SNP_P1_218634_197749	NW_004516374.1	Scaffold1067	197749	TT	GG	1940479314
SNP_P1_218635_198373	NW_004516374.1	Scaffold1067	198373	AA	TT	1940479315
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SNP_P1_218637_202636	NW_004516374.1	Scaffold1067	202636	AA	GG	1940479317
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SNP_P1_218640_203031	NW_004516374.1	Scaffold1067	203031	GG	CC	1940479319
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SNP_P1_218650_213820	NW_004516374.1	Scaffold1067	213820	TT	CC	1940479327
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SNP_P1_218653_214022	NW_004516374.1	Scaffold1067	214022	TT	GG	1940479329
SNP_P1_218654_214039	NW_004516374.1	Scaffold1067	214039	TT	CC	1940479330
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SNP_P1_218656_214071	NW_004516374.1	Scaffold1067	214071	AA	GG	1940479332
SNP_P1_218657_214104	NW_004516374.1	Scaffold1067	214104	TT	GG	1940479333
SNP_P1_218658_214142	NW_004516374.1	Scaffold1067	214142	TT	GG	1940479334
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SNP_P1_218664_214306	NW_004516374.1	Scaffold1067	214306	TT	GG	1940479340
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SNP_P1_218668_214383	NW_004516374.1	Scaffold1067	214383	CC	GG	1940479343
SNP_P1_218669_214475	NW_004516374.1	Scaffold1067	214475	CC	AA	1940479344
SNP_P1_218670_215531	NW_004516374.1	Scaffold1067	215531	TT	AA	1940479345
SNP_P1_218671_221175	NW_004516374.1	Scaffold1067	221175	AA	CC	1940479346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218674_222226	NW_004516374.1	Scaffold1067	222226	TT	CC	1940479349
SNP_P1_218675_222258	NW_004516374.1	Scaffold1067	222258	TT	AA	1940479350
SNP_P1_218676_222290	NW_004516374.1	Scaffold1067	222290	AA	TT	1940479351
SNP_P1_218677_222305	NW_004516374.1	Scaffold1067	222305	TT	GG	1940479352
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SNP_P1_218680_222338	NW_004516374.1	Scaffold1067	222338	CC	TT	1940479355
SNP_P1_218681_222362	NW_004516374.1	Scaffold1067	222362	TT	CC	1940479357
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SNP_P1_218683_222391	NW_004516374.1	Scaffold1067	222391	TT	GG	1940479359
SNP_P1_218684_222395	NW_004516374.1	Scaffold1067	222395	TT	GG	1940479360
SNP_P1_218685_222396	NW_004516374.1	Scaffold1067	222396	TT	CC	1940479361
SNP_P1_218686_222399	NW_004516374.1	Scaffold1067	222399	TT	CC	1940479362
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SNP_P1_218691_222568	NW_004516374.1	Scaffold1067	222568	TT	GG	1940479365
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SNP_P1_218693_222584	NW_004516374.1	Scaffold1067	222584	TT	CC	1940479367
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SNP_P1_218699_222698	NW_004516374.1	Scaffold1067	222698	GG	AA	1940479373
SNP_P1_218700_222872	NW_004516374.1	Scaffold1067	222872	AA	GG	1940479374
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SNP_P1_218715_235248	NW_004516374.1	Scaffold1067	235248	TT	CC	1940479388
SNP_P1_218716_235264	NW_004516374.1	Scaffold1067	235264	AA	CC	1940479389

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218719_235283	NW_004516374.1	Scaffold1067	235283	TT	CC	1940479392
SNP_P1_218720_235291	NW_004516374.1	Scaffold1067	235291	TT	AA	1940479393
SNP_P1_218721_235310	NW_004516374.1	Scaffold1067	235310	AA	GG	1940479394
SNP_P1_218722_235319	NW_004516374.1	Scaffold1067	235319	GG	AA	1940479395
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SNP_P1_218724_235372	NW_004516374.1	Scaffold1067	235372	AA	GG	1940479397
SNP_P1_218725_235459	NW_004516374.1	Scaffold1067	235459	AA	GG	1940479398
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SNP_P1_218727_235467	NW_004516374.1	Scaffold1067	235467	TT	CC	1940479400
SNP_P1_218728_235487	NW_004516374.1	Scaffold1067	235487	AA	GG	1940479401
SNP_P1_218729_235496	NW_004516374.1	Scaffold1067	235496	AA	GG	1940479402
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SNP_P1_218731_235554	NW_004516374.1	Scaffold1067	235554	TT	AA	1940479404
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SNP_P1_218742_235818	NW_004516374.1	Scaffold1067	235818	AA	TT	1940479415
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SNP_P1_218747_235882	NW_004516374.1	Scaffold1067	235882	AA	CC	1940479420
SNP_P1_218748_235907	NW_004516374.1	Scaffold1067	235907	TT	CC	1940479421
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SNP_P1_218751_235954	NW_004516374.1	Scaffold1067	235954	TT	GG	1940479424
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SNP_P1_218753_235991	NW_004516374.1	Scaffold1067	235991	AA	GG	1940479426
SNP_P1_218754_236026	NW_004516374.1	Scaffold1067	236026	TT	AA	1940479427
SNP_P1_218755_236035	NW_004516374.1	Scaffold1067	236035	TT	GG	1940479428
SNP_P1_218756_236058	NW_004516374.1	Scaffold1067	236058	AA	GG	1940479429
SNP_P1_218757_236079	NW_004516374.1	Scaffold1067	236079	AA	GG	1940479430
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218762_236270	NW_004516374.1	Scaffold1067	236270	TT	CC	1940479435
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SNP_P1_218766_236419	NW_004516374.1	Scaffold1067	236419	AA	GG	1940479439
SNP_P1_218767_236482	NW_004516374.1	Scaffold1067	236482	TT	GG	1940479440
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SNP_P1_218770_236574	NW_004516374.1	Scaffold1067	236574	AA	GG	1940479443
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SNP_P1_218798_237109	NW_004516374.1	Scaffold1067	237109	AA	CC	1940479471
SNP_P1_218799_237127	NW_004516374.1	Scaffold1067	237127	AA	GG	1940479472
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218804_237269	NW_004516374.1	Scaffold1067	237269	AA	CC	1940479477
SNP_P1_218805_237306	NW_004516374.1	Scaffold1067	237306	AA	CC	1940479478
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SNP_P1_218812_237506	NW_004516374.1	Scaffold1067	237506	AA	GG	1940479485
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SNP_P1_218836_238163	NW_004516374.1	Scaffold1067	238163	CC	AA	1940479509
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SNP_P1_218840_238263	NW_004516374.1	Scaffold1067	238263	AA	CC	1940479513
SNP_P1_218841_238282	NW_004516374.1	Scaffold1067	238282	AA	GG	1940479514
SNP_P1_218842_238324	NW_004516374.1	Scaffold1067	238324	TT	CC	1940479515

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218844_238411	NW_004516374.1	Scaffold1067	238411	TT	GG	1940479518
SNP_P1_218845_238429	NW_004516374.1	Scaffold1067	238429	TT	GG	1940479519
SNP_P1_218846_238442	NW_004516374.1	Scaffold1067	238442	TT	CC	1940479520
SNP_P1_218847_238473	NW_004516374.1	Scaffold1067	238473	CC	GG	1940479521
SNP_P1_218848_238546	NW_004516374.1	Scaffold1067	238546	GG	AA	1940479522
SNP_P1_218849_238547	NW_004516374.1	Scaffold1067	238547	TT	CC	1940479523
SNP_P1_218850_238576	NW_004516374.1	Scaffold1067	238576	AA	GG	1940479524
SNP_P1_218852_238614	NW_004516374.1	Scaffold1067	238614	AA	CC	1940479525
SNP_P1_218854_238944	NW_004516374.1	Scaffold1067	238944	AA	CC	1940479526
SNP_P1_218855_238965	NW_004516374.1	Scaffold1067	238965	CC	AA	1940479527
SNP_P1_218856_239002	NW_004516374.1	Scaffold1067	239002	CC	AA	1940479528
SNP_P1_218857_239043	NW_004516374.1	Scaffold1067	239043	TT	CC	1940479529
SNP_P1_218858_239045	NW_004516374.1	Scaffold1067	239045	AA	GG	1940479530
SNP_P1_218859_239047	NW_004516374.1	Scaffold1067	239047	CC	GG	1940479531
SNP_P1_218860_239064	NW_004516374.1	Scaffold1067	239064	TT	CC	1940479532
SNP_P1_218861_239100	NW_004516374.1	Scaffold1067	239100	TT	CC	1940479533
SNP_P1_218862_239150	NW_004516374.1	Scaffold1067	239150	AA	CC	1940479534
SNP_P1_218863_239157	NW_004516374.1	Scaffold1067	239157	CC	AA	1940479535
SNP_P1_218864_239234	NW_004516374.1	Scaffold1067	239234	AA	CC	1940479536
SNP_P1_218865_239253	NW_004516374.1	Scaffold1067	239253	TT	CC	1940479537
SNP_P1_218866_239302	NW_004516374.1	Scaffold1067	239302	TT	CC	1940479538
SNP_P1_218867_239304	NW_004516374.1	Scaffold1067	239304	TT	CC	1940479539
SNP_P1_218868_239339	NW_004516374.1	Scaffold1067	239339	TT	CC	1940479540
SNP_P1_218869_239395	NW_004516374.1	Scaffold1067	239395	TT	GG	1940479541
SNP_P1_218870_239396	NW_004516374.1	Scaffold1067	239396	AA	GG	1940479542
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SNP_P1_218872_239450	NW_004516374.1	Scaffold1067	239450	AA	GG	1940479544
SNP_P1_218873_239492	NW_004516374.1	Scaffold1067	239492	AA	CC	1940479545
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SNP_P1_218878_239647	NW_004516374.1	Scaffold1067	239647	TT	GG	1940479550
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SNP_P1_218881_239742	NW_004516374.1	Scaffold1067	239742	AA	GG	1940479553
SNP_P1_218882_239844	NW_004516374.1	Scaffold1067	239844	TT	CC	1940479554
SNP_P1_218883_239845	NW_004516374.1	Scaffold1067	239845	TT	CC	1940479555
SNP_P1_218884_239852	NW_004516374.1	Scaffold1067	239852	AA	CC	1940479556
SNP_P1_218885_239857	NW_004516374.1	Scaffold1067	239857	AA	CC	1940479557
SNP_P1_218886_239884	NW_004516374.1	Scaffold1067	239884	GG	CC	1940479558

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218889_239952	NW_004516374.1	Scaffold1067	239952	AA	CC	1940479561
SNP_P1_218890_240002	NW_004516374.1	Scaffold1067	240002	CC	TT	1940479562
SNP_P1_218891_240035	NW_004516374.1	Scaffold1067	240035	TT	GG	1940479563
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SNP_P1_218894_240054	NW_004516374.1	Scaffold1067	240054	TT	GG	1940479566
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SNP_P1_218896_240087	NW_004516374.1	Scaffold1067	240087	TT	CC	1940479568
SNP_P1_218897_240106	NW_004516374.1	Scaffold1067	240106	AA	GG	1940479569
SNP_P1_218898_240122	NW_004516374.1	Scaffold1067	240122	AA	GG	1940479570
SNP_P1_218899_240144	NW_004516374.1	Scaffold1067	240144	TT	GG	1940479571
SNP_P1_218900_240145	NW_004516374.1	Scaffold1067	240145	TT	CC	1940479572
SNP_P1_218901_240150	NW_004516374.1	Scaffold1067	240150	TT	CC	1940479573
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SNP_P1_218904_240320	NW_004516374.1	Scaffold1067	240320	AA	GG	1940479576
SNP_P1_218905_240329	NW_004516374.1	Scaffold1067	240329	AA	GG	1940479577
SNP_P1_218906_240347	NW_004516374.1	Scaffold1067	240347	TT	CC	1940479578
SNP_P1_218907_240368	NW_004516374.1	Scaffold1067	240368	TT	GG	1940479579
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SNP_P1_218911_240483	NW_004516374.1	Scaffold1067	240483	AA	GG	1940479583
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SNP_P1_218924_240718	NW_004516374.1	Scaffold1067	240718	TT	CC	1940479596
SNP_P1_218925_240749	NW_004516374.1	Scaffold1067	240749	TT	AA	1940479597
SNP_P1_218926_240779	NW_004516374.1	Scaffold1067	240779	TT	CC	1940479598
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SNP_P1_218928_240856	NW_004516374.1	Scaffold1067	240856	GG	CC	1940479600

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218937_241049	NW_004516374.1	Scaffold1067	241049	AA	GG	1940479609
SNP_P1_218938_241069	NW_004516374.1	Scaffold1067	241069	AA	GG	1940479610
SNP_P1_218939_241106	NW_004516374.1	Scaffold1067	241106	TT	CC	1940479611
SNP_P1_218940_241112	NW_004516374.1	Scaffold1067	241112	AA	GG	1940479612
SNP_P1_218941_241132	NW_004516374.1	Scaffold1067	241132	TT	CC	1940479613
SNP_P1_218942_241162	NW_004516374.1	Scaffold1067	241162	TT	GG	1940479614
SNP_P1_218943_241166	NW_004516374.1	Scaffold1067	241166	CC	GG	1940479615
SNP_P1_218944_241170	NW_004516374.1	Scaffold1067	241170	TT	CC	1940479616
SNP_P1_218945_241469	NW_004516374.1	Scaffold1067	241469	CC	GG	1940479617
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SNP_P1_218968_243352	NW_004516374.1	Scaffold1067	243352	TT	GG	1940479637
SNP_P1_218969_243363	NW_004516374.1	Scaffold1067	243363	TT	GG	1940479638
SNP_P1_218970_243464	NW_004516374.1	Scaffold1067	243464	AA	GG	1940479639
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SNP_P1_218973_243598	NW_004516374.1	Scaffold1067	243598	TT	CC	1940479641
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_218987_249239	NW_004516374.1	Scaffold1067	249239	TT	CC	1940479654
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SNP_P1_219006_263143	NW_004516374.1	Scaffold1067	263143	AA	GG	1940479674
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SNP_P1_219013_263357	NW_004516374.1	Scaffold1067	263357	TT	AA	1940479681
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SNP_P1_219016_263420	NW_004516374.1	Scaffold1067	263420	TT	CC	1940479684
SNP_P1_219017_263479	NW_004516374.1	Scaffold1067	263479	TT	CC	1940479685

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219049_265702	NW_004516374.1	Scaffold1067	265702	AA	GG	1940479716
SNP_P1_219050_265724	NW_004516374.1	Scaffold1067	265724	AA	CC	1940479717
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SNP_P1_219052_265732	NW_004516374.1	Scaffold1067	265732	AA	GG	1940479719
SNP_P1_219053_265761	NW_004516374.1	Scaffold1067	265761	TT	CC	1940479720
SNP_P1_219054_265779	NW_004516374.1	Scaffold1067	265779	CC	GG	1940479721
SNP_P1_219055_265785	NW_004516374.1	Scaffold1067	265785	AA	GG	1940479722
SNP_P1_219056_265792	NW_004516374.1	Scaffold1067	265792	AA	GG	1940479723
SNP_P1_219057_265883	NW_004516374.1	Scaffold1067	265883	GG	TT	1940479724
SNP_P1_219058_265902	NW_004516374.1	Scaffold1067	265902	TT	CC	1940479725
SNP_P1_219059_266037	NW_004516374.1	Scaffold1067	266037	AA	GG	1940479726
SNP_P1_219061_266096	NW_004516374.1	Scaffold1067	266096	AA	GG	1940479727

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_219062_269603	NW_004516374.1	Scaffold1067	269603	TT	CC	1940479728
SNP_P1_219063_269626	NW_004516374.1	Scaffold1067	269626	TT	GG	1940479729
SNP_P1_219064_1913	NW_004516376.1	Scaffold1071	1913	GG	AA	1940479730
SNP_P1_219065_1629	NW_004516377.1	Scaffold1072	1629	GG	AA	1940479731
SNP_P1_219067_10009	NW_004516377.1	Scaffold1072	10009	GG	AA	1940479732
SNP_P1_219068_10243	NW_004516377.1	Scaffold1072	10243	AA	CC	1940479733
SNP_P1_219069_10276	NW_004516377.1	Scaffold1072	10276	AA	GG	1940479734
SNP_P1_219070_13178	NW_004516377.1	Scaffold1072	13178	AA	CC	1940479735
SNP_P1_219071_1734	NW_004516378.1	Scaffold1073	1734	GG	AA	1940479736
SNP_P1_219072_4418	NW_004516379.1	Scaffold1074	4418	TT	CC	1940479737
SNP_P1_219073_20657	NW_004516379.1	Scaffold1074	20657	CC	GG	1940479738
SNP_P1_219074_20670	NW_004516379.1	Scaffold1074	20670	AA	CC	1940479739
SNP_P1_219075_192	NW_004516380.1	Scaffold1076	192	TT	AA	1940479740
SNP_P1_219076_503	NW_004516380.1	Scaffold1076	503	TT	AA	1940479741
SNP_P1_219077_3505	NW_004516380.1	Scaffold1076	3505	TT	CC	1940479742
SNP_P1_219078_7191	NW_004516380.1	Scaffold1076	7191	GG	AA	1940479743
SNP_P1_219079_7196	NW_004516380.1	Scaffold1076	7196	GG	AA	1940479744
SNP_P1_219080_7202	NW_004516380.1	Scaffold1076	7202	TT	AA	1940479745
SNP_P1_219081_7251	NW_004516380.1	Scaffold1076	7251	CC	AA	1940479746
SNP_P1_219082_7260	NW_004516380.1	Scaffold1076	7260	AA	GG	1940479747
SNP_P1_219083_7261	NW_004516380.1	Scaffold1076	7261	CC	AA	1940479748
SNP_P1_219084_7262	NW_004516380.1	Scaffold1076	7262	CC	TT	1940479749
SNP_P1_219085_7266	NW_004516380.1	Scaffold1076	7266	TT	CC	1940479750
SNP_P1_219086_7309	NW_004516380.1	Scaffold1076	7309	TT	GG	1940479751
SNP_P1_219087_7653	NW_004516380.1	Scaffold1076	7653	GG	CC	1940479752
SNP_P1_219088_10753	NW_004516380.1	Scaffold1076	10753	AA	GG	1940479753
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SNP_P1_219090_10964	NW_004516380.1	Scaffold1076	10964	GG	AA	1940479755
SNP_P1_219091_11054	NW_004516380.1	Scaffold1076	11054	GG	AA	1940479756
SNP_P1_219092_11074	NW_004516380.1	Scaffold1076	11074	GG	TT	1940479757
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SNP_P1_219096_24015	NW_004516380.1	Scaffold1076	24015	AA	CC	1940479761
SNP_P1_219097_30814	NW_004516380.1	Scaffold1076	30814	GG	TT	1940479762
SNP_P1_219098_31153	NW_004516380.1	Scaffold1076	31153	GG	TT	1940479763
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SNP_P1_219100_31218	NW_004516380.1	Scaffold1076	31218	TT	GG	1940479765
SNP_P1_219101_33189	NW_004516380.1	Scaffold1076	33189	GG	AA	1940479766
SNP_P1_219102_33224	NW_004516380.1	Scaffold1076	33224	TT	GG	1940479767
SNP_P1_219103_33654	NW_004516380.1	Scaffold1076	33654	AA	GG	1940479768
SNP_P1_219104_38474	NW_004516380.1	Scaffold1076	38474	AA	TT	1940479769

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219106_5346	NW_004516382.1	Scaffold1080	5346	GG	TT	1940479771
SNP_P1_219107_5392	NW_004516382.1	Scaffold1080	5392	AA	GG	1940479772
SNP_P1_219108_5399	NW_004516382.1	Scaffold1080	5399	GG	TT	1940479773
SNP_P1_219109_5414	NW_004516382.1	Scaffold1080	5414	AA	GG	1940479774
SNP_P1_219110_6871	NW_004516382.1	Scaffold1080	6871	CC	TT	1940479775
SNP_P1_219111_7194	NW_004516382.1	Scaffold1080	7194	GG	AA	1940479776
SNP_P1_219112_8140	NW_004516382.1	Scaffold1080	8140	TT	AA	1940479777
SNP_P1_219113_15616	NW_004516382.1	Scaffold1080	15616	GG	TT	1940479778
SNP_P1_219114_15627	NW_004516382.1	Scaffold1080	15627	GG	TT	1940479779
SNP_P1_219115_15656	NW_004516382.1	Scaffold1080	15656	AA	GG	1940479780
SNP_P1_219116_15664	NW_004516382.1	Scaffold1080	15664	TT	AA	1940479781
SNP_P1_219117_15674	NW_004516382.1	Scaffold1080	15674	AA	GG	1940479782
SNP_P1_219118_24741	NW_004516382.1	Scaffold1080	24741	GG	TT	1940479783
SNP_P1_219119_26451	NW_004516382.1	Scaffold1080	26451	GG	AA	1940479784
SNP_P1_219120_32871	NW_004516382.1	Scaffold1080	32871	AA	CC	1940479785
SNP_P1_219122_20726	NW_004516383.1	Scaffold1081	20726	AA	GG	1940479786
SNP_P1_219124_38520	NW_004516383.1	Scaffold1081	38520	TT	AA	1940479787
SNP_P1_219126_43956	NW_004516383.1	Scaffold1081	43956	AA	GG	1940479788
SNP_P1_219127_61492	NW_004516383.1	Scaffold1081	61492	AA	GG	1940479789
SNP_P1_219129_66653	NW_004516383.1	Scaffold1081	66653	GG	AA	1940479790
SNP_P1_219130_83082	NW_004516383.1	Scaffold1081	83082	CC	TT	1940479791
SNP_P1_219131_83115	NW_004516383.1	Scaffold1081	83115	TT	CC	1940479792
SNP_P1_219132_83321	NW_004516383.1	Scaffold1081	83321	TT	CC	1940479793
SNP_P1_219133_83369	NW_004516383.1	Scaffold1081	83369	AA	TT	1940479794
SNP_P1_219134_83372	NW_004516383.1	Scaffold1081	83372	TT	AA	1940479795
SNP_P1_219135_83384	NW_004516383.1	Scaffold1081	83384	AA	GG	1940479796
SNP_P1_219136_83388	NW_004516383.1	Scaffold1081	83388	AA	GG	1940479797
SNP_P1_219137_83390	NW_004516383.1	Scaffold1081	83390	GG	AA	1940479798
SNP_P1_219138_86134	NW_004516383.1	Scaffold1081	86134	AA	GG	1940479799
SNP_P1_219139_86148	NW_004516383.1	Scaffold1081	86148	AA	GG	1940479800
SNP_P1_219140_86157	NW_004516383.1	Scaffold1081	86157	GG	AA	1940479801
SNP_P1_219141_86179	NW_004516383.1	Scaffold1081	86179	CC	TT	1940479802
SNP_P1_219142_86218	NW_004516383.1	Scaffold1081	86218	TT	GG	1940479803
SNP_P1_219146_134410	NW_004516383.1	Scaffold1081	134410	AA	TT	1940479804
SNP_P1_219147_434	NW_004516384.1	Scaffold1082	434	CC	AA	1940479805
SNP_P1_219148_559	NW_004516384.1	Scaffold1082	559	CC	TT	1940479806
SNP_P1_219149_707	NW_004516384.1	Scaffold1082	707	AA	TT	1940479807
SNP_P1_219150_806	NW_004516384.1	Scaffold1082	806	CC	TT	1940479808
SNP_P1_219151_832	NW_004516384.1	Scaffold1082	832	CC	TT	1940479809
SNP_P1_219152_859	NW_004516384.1	Scaffold1082	859	TT	CC	1940479810
SNP_P1_219153_876	NW_004516384.1	Scaffold1082	876	AA	GG	1940479811

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219156_19822	NW_004516384.1	Scaffold1082	19822	AA	CC	1940479813
SNP_P1_219158_20012	NW_004516384.1	Scaffold1082	20012	CC	AA	1940479814
SNP_P1_219159_20062	NW_004516384.1	Scaffold1082	20062	TT	GG	1940479815
SNP_P1_219160_20870	NW_004516384.1	Scaffold1082	20870	AA	TT	1940479816
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SNP_P1_219163_21096	NW_004516384.1	Scaffold1082	21096	CC	GG	1940479818
SNP_P1_219165_21238	NW_004516384.1	Scaffold1082	21238	CC	AA	1940479819
SNP_P1_219166_21240	NW_004516384.1	Scaffold1082	21240	TT	CC	1940479820
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SNP_P1_219168_21350	NW_004516384.1	Scaffold1082	21350	TT	CC	1940479822
SNP_P1_219169_21354	NW_004516384.1	Scaffold1082	21354	TT	AA	1940479823
SNP_P1_219170_21356	NW_004516384.1	Scaffold1082	21356	AA	TT	1940479824
SNP_P1_219171_23084	NW_004516384.1	Scaffold1082	23084	TT	CC	1940479825
SNP_P1_219172_23104	NW_004516384.1	Scaffold1082	23104	TT	CC	1940479826
SNP_P1_219173_24505	NW_004516384.1	Scaffold1082	24505	TT	CC	1940479827
SNP_P1_219174_25301	NW_004516384.1	Scaffold1082	25301	GG	AA	1940479828
SNP_P1_219176_26990	NW_004516384.1	Scaffold1082	26990	AA	TT	1940479829
SNP_P1_219177_27036	NW_004516384.1	Scaffold1082	27036	TT	CC	1940479830
SNP_P1_219178_27410	NW_004516384.1	Scaffold1082	27410	GG	AA	1940479831
SNP_P1_219179_27597	NW_004516384.1	Scaffold1082	27597	TT	AA	1940479832
SNP_P1_219180_27617	NW_004516384.1	Scaffold1082	27617	CC	TT	1940479834
SNP_P1_219181_27630	NW_004516384.1	Scaffold1082	27630	CC	TT	1940479835
SNP_P1_219182_27651	NW_004516384.1	Scaffold1082	27651	AA	CC	1940479836
SNP_P1_219183_27653	NW_004516384.1	Scaffold1082	27653	AA	GG	1940479837
SNP_P1_219184_27783	NW_004516384.1	Scaffold1082	27783	TT	CC	1940479838
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SNP_P1_219186_31749	NW_004516384.1	Scaffold1082	31749	AA	CC	1940479840
SNP_P1_219187_31787	NW_004516384.1	Scaffold1082	31787	AA	GG	1940479841
SNP_P1_219188_31928	NW_004516384.1	Scaffold1082	31928	GG	CC	1940479842
SNP_P1_219189_32966	NW_004516384.1	Scaffold1082	32966	AA	CC	1940479843
SNP_P1_219190_8502	NW_004516385.1	Scaffold1083	8502	AA	GG	1940479844
SNP_P1_219191_8889	NW_004516385.1	Scaffold1083	8889	AA	CC	1940479845
SNP_P1_219192_8898	NW_004516385.1	Scaffold1083	8898	CC	TT	1940479846
SNP_P1_219193_10986	NW_004516385.1	Scaffold1083	10986	AA	GG	1940479847
SNP_P1_219194_11098	NW_004516385.1	Scaffold1083	11098	TT	CC	1940479848
SNP_P1_219195_12705	NW_004516385.1	Scaffold1083	12705	GG	AA	1940479849
SNP_P1_219196_15278	NW_004516385.1	Scaffold1083	15278	TT	CC	1940479850
SNP_P1_219197_23192	NW_004516385.1	Scaffold1083	23192	AA	CC	1940479851
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SNP_P1_219199_27349	NW_004516385.1	Scaffold1083	27349	CC	TT	1940479853
SNP_P1_219200_27363	NW_004516385.1	Scaffold1083	27363	AA	GG	1940479854

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219202_27390	NW_004516385.1	Scaffold1083	27390	TT	CC	1940479856
SNP_P1_219203_27474	NW_004516385.1	Scaffold1083	27474	TT	GG	1940479857
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SNP_P1_219205_27522	NW_004516385.1	Scaffold1083	27522	AA	GG	1940479859
SNP_P1_219206_28062	NW_004516385.1	Scaffold1083	28062	CC	TT	1940479860
SNP_P1_219207_28096	NW_004516385.1	Scaffold1083	28096	GG	AA	1940479861
SNP_P1_219208_28428	NW_004516385.1	Scaffold1083	28428	AA	GG	1940479862
SNP_P1_219209_42435	NW_004516385.1	Scaffold1083	42435	TT	AA	1940479863
SNP_P1_219210_49357	NW_004516385.1	Scaffold1083	49357	CC	GG	1940479864
SNP_P1_219211_56403	NW_004516385.1	Scaffold1083	56403	TT	AA	1940479865
SNP_P1_219212_67845	NW_004516385.1	Scaffold1083	67845	GG	TT	1940479866
SNP_P1_219214_75307	NW_004516385.1	Scaffold1083	75307	AA	TT	1940479867
SNP_P1_219215_81618	NW_004516385.1	Scaffold1083	81618	GG	CC	1940479868
SNP_P1_219216_89855	NW_004516385.1	Scaffold1083	89855	GG	AA	1940479869
SNP_P1_219217_91889	NW_004516385.1	Scaffold1083	91889	GG	CC	1940479870
SNP_P1_219218_95628	NW_004516385.1	Scaffold1083	95628	AA	TT	1940479871
SNP_P1_219219_97158	NW_004516385.1	Scaffold1083	97158	AA	GG	1940479872
SNP_P1_219220_97496	NW_004516385.1	Scaffold1083	97496	AA	GG	1940479873
SNP_P1_219221_105275	NW_004516385.1	Scaffold1083	105275	GG	TT	1940479874
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SNP_P1_219225_119426	NW_004516385.1	Scaffold1083	119426	CC	TT	1940479877
SNP_P1_219226_119594	NW_004516385.1	Scaffold1083	119594	AA	CC	1940479878
SNP_P1_219227_119874	NW_004516385.1	Scaffold1083	119874	AA	GG	1940479879
SNP_P1_219228_119889	NW_004516385.1	Scaffold1083	119889	CC	GG	1940479880
SNP_P1_219229_121941	NW_004516385.1	Scaffold1083	121941	CC	TT	1940479881
SNP_P1_219231_121952	NW_004516385.1	Scaffold1083	121952	CC	TT	1940479882
SNP_P1_219232_121953	NW_004516385.1	Scaffold1083	121953	TT	AA	1940479883
SNP_P1_219234_121970	NW_004516385.1	Scaffold1083	121970	GG	TT	1940479884
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SNP_P1_219237_122137	NW_004516385.1	Scaffold1083	122137	TT	CC	1940479886
SNP_P1_219238_122170	NW_004516385.1	Scaffold1083	122170	AA	CC	1940479887
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SNP_P1_219240_122240	NW_004516385.1	Scaffold1083	122240	CC	TT	1940479889
SNP_P1_219241_122279	NW_004516385.1	Scaffold1083	122279	GG	CC	1940479890
SNP_P1_219242_122294	NW_004516385.1	Scaffold1083	122294	GG	AA	1940479891
SNP_P1_219243_122309	NW_004516385.1	Scaffold1083	122309	AA	TT	1940479892
SNP_P1_219244_122362	NW_004516385.1	Scaffold1083	122362	GG	AA	1940479893
SNP_P1_219245_122365	NW_004516385.1	Scaffold1083	122365	AA	GG	1940479894
SNP_P1_219246_122479	NW_004516385.1	Scaffold1083	122479	GG	CC	1940479895
SNP_P1_219247_122485	NW_004516385.1	Scaffold1083	122485	GG	TT	1940479896

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219249_123341	NW_004516385.1	Scaffold1083	123341	AA	TT	1940479898
SNP_P1_219250_123410	NW_004516385.1	Scaffold1083	123410	TT	CC	1940479899
SNP_P1_219251_125140	NW_004516385.1	Scaffold1083	125140	GG	TT	1940479900
SNP_P1_219252_125793	NW_004516385.1	Scaffold1083	125793	GG	AA	1940479901
SNP_P1_219253_125859	NW_004516385.1	Scaffold1083	125859	TT	AA	1940479902
SNP_P1_219254_126199	NW_004516385.1	Scaffold1083	126199	TT	CC	1940479903
SNP_P1_219255_128234	NW_004516385.1	Scaffold1083	128234	GG	CC	1940479904
SNP_P1_219256_128247	NW_004516385.1	Scaffold1083	128247	TT	CC	1940479905
SNP_P1_219257_128916	NW_004516385.1	Scaffold1083	128916	GG	AA	1940479906
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SNP_P1_219259_131824	NW_004516385.1	Scaffold1083	131824	AA	TT	1940479908
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SNP_P1_219261_131843	NW_004516385.1	Scaffold1083	131843	TT	CC	1940479910
SNP_P1_219262_131882	NW_004516385.1	Scaffold1083	131882	CC	TT	1940479911
SNP_P1_219263_131919	NW_004516385.1	Scaffold1083	131919	GG	AA	1940479912
SNP_P1_219264_132242	NW_004516385.1	Scaffold1083	132242	CC	AA	1940479913
SNP_P1_219265_132244	NW_004516385.1	Scaffold1083	132244	AA	CC	1940479914
SNP_P1_219266_132268	NW_004516385.1	Scaffold1083	132268	TT	AA	1940479915
SNP_P1_219267_132356	NW_004516385.1	Scaffold1083	132356	AA	GG	1940479916
SNP_P1_219268_132504	NW_004516385.1	Scaffold1083	132504	GG	TT	1940479917
SNP_P1_219269_132657	NW_004516385.1	Scaffold1083	132657	AA	TT	1940479918
SNP_P1_219270_132668	NW_004516385.1	Scaffold1083	132668	TT	CC	1940479919
SNP_P1_219271_132669	NW_004516385.1	Scaffold1083	132669	AA	TT	1940479920
SNP_P1_219272_132781	NW_004516385.1	Scaffold1083	132781	TT	AA	1940479921
SNP_P1_219273_132944	NW_004516385.1	Scaffold1083	132944	TT	AA	1940479922
SNP_P1_219274_133074	NW_004516385.1	Scaffold1083	133074	GG	TT	1940479923
SNP_P1_219275_133678	NW_004516385.1	Scaffold1083	133678	TT	CC	1940479924
SNP_P1_219276_133754	NW_004516385.1	Scaffold1083	133754	AA	CC	1940479925
SNP_P1_219277_5810	NW_004516386.1	Scaffold1084	5810	TT	GG	1940479926
SNP_P1_219278_1114	NW_004516387.1	Scaffold1085	1114	TT	AA	1940479927
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SNP_P1_219281_1180	NW_004516387.1	Scaffold1085	1180	AA	GG	1940479930
SNP_P1_219282_7899	NW_004516387.1	Scaffold1085	7899	TT	AA	1940479931
SNP_P1_219283_7912	NW_004516387.1	Scaffold1085	7912	AA	GG	1940479932
SNP_P1_219284_6563	NW_004516389.1	Scaffold1087	6563	CC	TT	1940479933
SNP_P1_219286_8178	NW_004516389.1	Scaffold1087	8178	AA	GG	1940479934
SNP_P1_219287_12247	NW_004516389.1	Scaffold1087	12247	AA	GG	1940479935
SNP_P1_219288_12262	NW_004516389.1	Scaffold1087	12262	TT	GG	1940479936
SNP_P1_219289_12271	NW_004516389.1	Scaffold1087	12271	CC	TT	1940479937
SNP_P1_219290_12318	NW_004516389.1	Scaffold1087	12318	TT	CC	1940479938

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_219291_12360	NW_004516389.1	Scaffold1087	12360	AA	GG	1940479939
SNP_P1_219292_12386	NW_004516389.1	Scaffold1087	12386	TT	GG	1940479940
SNP_P1_219293_12420	NW_004516389.1	Scaffold1087	12420	GG	AA	1940479941
SNP_P1_219294_12421	NW_004516389.1	Scaffold1087	12421	CC	TT	1940479942
SNP_P1_219295_12451	NW_004516389.1	Scaffold1087	12451	CC	TT	1940479943
SNP_P1_219296_12525	NW_004516389.1	Scaffold1087	12525	CC	TT	1940479944
SNP_P1_219298_12704	NW_004516389.1	Scaffold1087	12704	TT	CC	1940479945
SNP_P1_219299_12707	NW_004516389.1	Scaffold1087	12707	GG	AA	1940479946
SNP_P1_219300_12708	NW_004516389.1	Scaffold1087	12708	CC	GG	1940479947
SNP_P1_219301_12738	NW_004516389.1	Scaffold1087	12738	TT	AA	1940479948
SNP_P1_219302_12874	NW_004516389.1	Scaffold1087	12874	GG	AA	1940479949
SNP_P1_219303_13031	NW_004516389.1	Scaffold1087	13031	AA	GG	1940479950
SNP_P1_219304_13032	NW_004516389.1	Scaffold1087	13032	TT	CC	1940479951
SNP_P1_219305_13038	NW_004516389.1	Scaffold1087	13038	CC	TT	1940479952
SNP_P1_219306_13068	NW_004516389.1	Scaffold1087	13068	GG	CC	1940479953
SNP_P1_219307_13141	NW_004516389.1	Scaffold1087	13141	TT	AA	1940479954
SNP_P1_219308_13146	NW_004516389.1	Scaffold1087	13146	TT	CC	1940479955
SNP_P1_219309_13172	NW_004516389.1	Scaffold1087	13172	CC	TT	1940479956
SNP_P1_219310_13246	NW_004516389.1	Scaffold1087	13246	AA	GG	1940479957
SNP_P1_219311_13276	NW_004516389.1	Scaffold1087	13276	GG	AA	1940479958
SNP_P1_219312_13306	NW_004516389.1	Scaffold1087	13306	TT	CC	1940479959
SNP_P1_219313_13321	NW_004516389.1	Scaffold1087	13321	AA	TT	1940479960
SNP_P1_219314_13368	NW_004516389.1	Scaffold1087	13368	TT	CC	1940479961
SNP_P1_219315_13386	NW_004516389.1	Scaffold1087	13386	TT	AA	1940479962
SNP_P1_219316_13402	NW_004516389.1	Scaffold1087	13402	AA	GG	1940479963
SNP_P1_219317_13461	NW_004516389.1	Scaffold1087	13461	GG	AA	1940479964
SNP_P1_219319_13585	NW_004516389.1	Scaffold1087	13585	TT	AA	1940479965
SNP_P1_219320_13646	NW_004516389.1	Scaffold1087	13646	AA	GG	1940479967
SNP_P1_219321_13662	NW_004516389.1	Scaffold1087	13662	AA	GG	1940479968
SNP_P1_219322_13712	NW_004516389.1	Scaffold1087	13712	CC	TT	1940479969
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SNP_P1_219325_13868	NW_004516389.1	Scaffold1087	13868	GG	AA	1940479972
SNP_P1_219326_13931	NW_004516389.1	Scaffold1087	13931	AA	CC	1940479973
SNP_P1_219327_14055	NW_004516389.1	Scaffold1087	14055	GG	AA	1940479974
SNP_P1_219328_14073	NW_004516389.1	Scaffold1087	14073	GG	AA	1940479975
SNP_P1_219329_14082	NW_004516389.1	Scaffold1087	14082	AA	GG	1940479976
SNP_P1_219330_14086	NW_004516389.1	Scaffold1087	14086	AA	TT	1940479977
SNP_P1_219331_14142	NW_004516389.1	Scaffold1087	14142	AA	TT	1940479978
SNP_P1_219332_14291	NW_004516389.1	Scaffold1087	14291	AA	TT	1940479979
SNP_P1_219333_14373	NW_004516389.1	Scaffold1087	14373	GG	AA	1940479980
SNP_P1_219334_14377	NW_004516389.1	Scaffold1087	14377	GG	AA	1940479981

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219337_14523	NW_004516389.1	Scaffold1087	14523	GG	TT	1940479983
SNP_P1_219338_14567	NW_004516389.1	Scaffold1087	14567	GG	AA	1940479984
SNP_P1_219339_14724	NW_004516389.1	Scaffold1087	14724	GG	AA	1940479985
SNP_P1_219340_14782	NW_004516389.1	Scaffold1087	14782	TT	AA	1940479986
SNP_P1_219341_14793	NW_004516389.1	Scaffold1087	14793	CC	AA	1940479987
SNP_P1_219342_14796	NW_004516389.1	Scaffold1087	14796	CC	TT	1940479988
SNP_P1_219343_14814	NW_004516389.1	Scaffold1087	14814	TT	CC	1940479989
SNP_P1_219345_16489	NW_004516389.1	Scaffold1087	16489	AA	GG	1940479990
SNP_P1_219347_22768	NW_004516389.1	Scaffold1087	22768	AA	CC	1940479991
SNP_P1_219348_22796	NW_004516389.1	Scaffold1087	22796	AA	GG	1940479992
SNP_P1_219349_22797	NW_004516389.1	Scaffold1087	22797	AA	GG	1940479993
SNP_P1_219350_22811	NW_004516389.1	Scaffold1087	22811	AA	GG	1940479994
SNP_P1_219351_22851	NW_004516389.1	Scaffold1087	22851	AA	GG	1940479995
SNP_P1_219352_22889	NW_004516389.1	Scaffold1087	22889	TT	CC	1940479996
SNP_P1_219353_22915	NW_004516389.1	Scaffold1087	22915	AA	TT	1940479997
SNP_P1_219354_22935	NW_004516389.1	Scaffold1087	22935	TT	CC	1940479998
SNP_P1_219355_22938	NW_004516389.1	Scaffold1087	22938	TT	AA	1940479999
SNP_P1_219356_22976	NW_004516389.1	Scaffold1087	22976	CC	TT	1940480000
SNP_P1_219357_23005	NW_004516389.1	Scaffold1087	23005	CC	TT	1940480001
SNP_P1_219359_23096	NW_004516389.1	Scaffold1087	23096	AA	TT	1940480002
SNP_P1_219361_23242	NW_004516389.1	Scaffold1087	23242	CC	TT	1940480003
SNP_P1_219362_23320	NW_004516389.1	Scaffold1087	23320	TT	CC	1940480004
SNP_P1_219363_23335	NW_004516389.1	Scaffold1087	23335	AA	GG	1940480005
SNP_P1_219364_23528	NW_004516389.1	Scaffold1087	23528	CC	TT	1940480006
SNP_P1_219365_24043	NW_004516389.1	Scaffold1087	24043	AA	CC	1940480007
SNP_P1_219366_26347	NW_004516389.1	Scaffold1087	26347	AA	TT	1940480008
SNP_P1_219367_27762	NW_004516389.1	Scaffold1087	27762	CC	GG	1940480009
SNP_P1_219368_27855	NW_004516389.1	Scaffold1087	27855	AA	CC	1940480010
SNP_P1_219369_27960	NW_004516389.1	Scaffold1087	27960	TT	AA	1940480011
SNP_P1_219370_28124	NW_004516389.1	Scaffold1087	28124	CC	TT	1940480012
SNP_P1_219371_28246	NW_004516389.1	Scaffold1087	28246	AA	GG	1940480013
SNP_P1_219372_28489	NW_004516389.1	Scaffold1087	28489	CC	AA	1940480014
SNP_P1_219373_28514	NW_004516389.1	Scaffold1087	28514	TT	CC	1940480015
SNP_P1_219374_28521	NW_004516389.1	Scaffold1087	28521	TT	CC	1940480016
SNP_P1_219376_28588	NW_004516389.1	Scaffold1087	28588	CC	GG	1940480017
SNP_P1_219377_38758	NW_004516389.1	Scaffold1087	38758	TT	AA	1940480018
SNP_P1_219378_38759	NW_004516389.1	Scaffold1087	38759	CC	TT	1940480019
SNP_P1_219379_40002	NW_004516389.1	Scaffold1087	40002	AA	GG	1940480020
SNP_P1_219380_40011	NW_004516389.1	Scaffold1087	40011	AA	GG	1940480021
SNP_P1_219381_40041	NW_004516389.1	Scaffold1087	40041	AA	GG	1940480022
SNP_P1_219382_3780	NW_004516390.1	Scaffold1089	3780	AA	GG	1940480023

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219384_86901	NW_004516390.1	Scaffold1089	86901	AA	GG	1940480025
SNP_P1_219385_89597	NW_004516390.1	Scaffold1089	89597	CC	TT	1940480026
SNP_P1_219386_104048	NW_004516390.1	Scaffold1089	104048	CC	TT	1940480027
SNP_P1_219387_105352	NW_004516390.1	Scaffold1089	105352	GG	AA	1940480028
SNP_P1_219389_114129	NW_004516390.1	Scaffold1089	114129	AA	GG	1940480029
SNP_P1_219390_128527	NW_004516390.1	Scaffold1089	128527	GG	TT	1940480030
SNP_P1_219391_128843	NW_004516390.1	Scaffold1089	128843	CC	AA	1940480031
SNP_P1_219392_171269	NW_004516390.1	Scaffold1089	171269	GG	AA	1940480032
SNP_P1_219393_189256	NW_004516390.1	Scaffold1089	189256	AA	TT	1940480033
SNP_P1_219394_189258	NW_004516390.1	Scaffold1089	189258	AA	GG	1940480034
SNP_P1_219395_189597	NW_004516390.1	Scaffold1089	189597	TT	AA	1940480035
SNP_P1_219396_189631	NW_004516390.1	Scaffold1089	189631	AA	TT	1940480036
SNP_P1_219397_189668	NW_004516390.1	Scaffold1089	189668	AA	CC	1940480037
SNP_P1_219398_189669	NW_004516390.1	Scaffold1089	189669	AA	GG	1940480038
SNP_P1_219399_189892	NW_004516390.1	Scaffold1089	189892	GG	AA	1940480039
SNP_P1_219400_189896	NW_004516390.1	Scaffold1089	189896	TT	AA	1940480040
SNP_P1_219401_189931	NW_004516390.1	Scaffold1089	189931	AA	GG	1940480041
SNP_P1_219402_198728	NW_004516390.1	Scaffold1089	198728	GG	TT	1940480042
SNP_P1_219403_200955	NW_004516390.1	Scaffold1089	200955	AA	CC	1940480043
SNP_P1_219404_201006	NW_004516390.1	Scaffold1089	201006	CC	TT	1940480044
SNP_P1_219406_226996	NW_004516390.1	Scaffold1089	226996	AA	GG	1940480045
SNP_P1_219407_227007	NW_004516390.1	Scaffold1089	227007	TT	GG	1940480046
SNP_P1_219409_243907	NW_004516390.1	Scaffold1089	243907	CC	TT	1940480047
SNP_P1_219410_243935	NW_004516390.1	Scaffold1089	243935	TT	CC	1940480048
SNP_P1_219411_244222	NW_004516390.1	Scaffold1089	244222	GG	AA	1940480049
SNP_P1_219412_244259	NW_004516390.1	Scaffold1089	244259	TT	CC	1940480050
SNP_P1_219413_244273	NW_004516390.1	Scaffold1089	244273	TT	CC	1940480051
SNP_P1_219414_259108	NW_004516390.1	Scaffold1089	259108	CC	TT	1940480052
SNP_P1_219415_259569	NW_004516390.1	Scaffold1089	259569	AA	GG	1940480053
SNP_P1_219416_259828	NW_004516390.1	Scaffold1089	259828	AA	GG	1940480054
SNP_P1_219417_259872	NW_004516390.1	Scaffold1089	259872	AA	GG	1940480055
SNP_P1_219418_264859	NW_004516390.1	Scaffold1089	264859	AA	CC	1940480056
SNP_P1_219419_267493	NW_004516390.1	Scaffold1089	267493	TT	AA	1940480057
SNP_P1_219421_288	NW_004516393.1	Scaffold1092	288	AA	GG	1940480058
SNP_P1_219422_3007	NW_004516393.1	Scaffold1092	3007	AA	TT	1940480059
SNP_P1_219423_3343	NW_004516393.1	Scaffold1092	3343	AA	CC	1940480060
SNP_P1_219424_5891	NW_004516393.1	Scaffold1092	5891	GG	TT	1940480061
SNP_P1_219425_5964	NW_004516393.1	Scaffold1092	5964	CC	GG	1940480062
SNP_P1_219426_5967	NW_004516393.1	Scaffold1092	5967	CC	AA	1940480063
SNP_P1_219427_5991	NW_004516393.1	Scaffold1092	5991	AA	GG	1940480064
SNP_P1_219428_6038	NW_004516393.1	Scaffold1092	6038	AA	GG	1940480065

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219430_6286	NW_004516393.1	Scaffold1092	6286	AA	TT	1940480067
SNP_P1_219431_6911	NW_004516393.1	Scaffold1092	6911	CC	GG	1940480068
SNP_P1_219432_8785	NW_004516393.1	Scaffold1092	8785	AA	TT	1940480069
SNP_P1_219433_9264	NW_004516393.1	Scaffold1092	9264	CC	GG	1940480070
SNP_P1_219434_9582	NW_004516393.1	Scaffold1092	9582	AA	GG	1940480071
SNP_P1_219435_10204	NW_004516393.1	Scaffold1092	10204	AA	GG	1940480072
SNP_P1_219436_10465	NW_004516393.1	Scaffold1092	10465	GG	AA	1940480073
SNP_P1_219437_10764	NW_004516393.1	Scaffold1092	10764	CC	TT	1940480074
SNP_P1_219438_11202	NW_004516393.1	Scaffold1092	11202	AA	CC	1940480075
SNP_P1_219439_13428	NW_004516393.1	Scaffold1092	13428	AA	TT	1940480076
SNP_P1_219440_13429	NW_004516393.1	Scaffold1092	13429	AA	CC	1940480077
SNP_P1_219442_13605	NW_004516393.1	Scaffold1092	13605	AA	TT	1940480078
SNP_P1_219443_13797	NW_004516393.1	Scaffold1092	13797	CC	TT	1940480079
SNP_P1_219444_14729	NW_004516393.1	Scaffold1092	14729	TT	CC	1940480080
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SNP_P1_219446_17407	NW_004516393.1	Scaffold1092	17407	AA	GG	1940480082
SNP_P1_219447_17467	NW_004516393.1	Scaffold1092	17467	AA	CC	1940480083
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SNP_P1_219456_18081	NW_004516393.1	Scaffold1092	18081	TT	GG	1940480092
SNP_P1_219458_18184	NW_004516393.1	Scaffold1092	18184	GG	TT	1940480093
SNP_P1_219459_18277	NW_004516393.1	Scaffold1092	18277	GG	TT	1940480094
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SNP_P1_219461_18946	NW_004516393.1	Scaffold1092	18946	AA	GG	1940480096
SNP_P1_219462_19137	NW_004516393.1	Scaffold1092	19137	CC	TT	1940480097
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SNP_P1_219464_19303	NW_004516393.1	Scaffold1092	19303	CC	AA	1940480099
SNP_P1_219465_19307	NW_004516393.1	Scaffold1092	19307	CC	AA	1940480100
SNP_P1_219466_19339	NW_004516393.1	Scaffold1092	19339	AA	TT	1940480101
SNP_P1_219467_19432	NW_004516393.1	Scaffold1092	19432	TT	CC	1940480102
SNP_P1_219468_19440	NW_004516393.1	Scaffold1092	19440	AA	TT	1940480103
SNP_P1_219469_19467	NW_004516393.1	Scaffold1092	19467	GG	TT	1940480104
SNP_P1_219470_19509	NW_004516393.1	Scaffold1092	19509	AA	TT	1940480105
SNP_P1_219471_19513	NW_004516393.1	Scaffold1092	19513	TT	CC	1940480106
SNP_P1_219472_19572	NW_004516393.1	Scaffold1092	19572	CC	TT	1940480107

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219476_33564	NW_004516393.1	Scaffold1092	33564	CC	GG	1940480110
SNP_P1_219477_33594	NW_004516393.1	Scaffold1092	33594	GG	CC	1940480111
SNP_P1_219478_33609	NW_004516393.1	Scaffold1092	33609	TT	AA	1940480112
SNP_P1_219479_33611	NW_004516393.1	Scaffold1092	33611	AA	TT	1940480113
SNP_P1_219480_33854	NW_004516393.1	Scaffold1092	33854	AA	GG	1940480114
SNP_P1_219481_36520	NW_004516393.1	Scaffold1092	36520	TT	CC	1940480115
SNP_P1_219482_37104	NW_004516393.1	Scaffold1092	37104	TT	CC	1940480116
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SNP_P1_219484_38007	NW_004516393.1	Scaffold1092	38007	AA	CC	1940480118
SNP_P1_219485_39109	NW_004516393.1	Scaffold1092	39109	AA	GG	1940480119
SNP_P1_219486_45963	NW_004516393.1	Scaffold1092	45963	CC	TT	1940480120
SNP_P1_219487_46083	NW_004516393.1	Scaffold1092	46083	GG	TT	1940480122
SNP_P1_219488_46100	NW_004516393.1	Scaffold1092	46100	GG	AA	1940480123
SNP_P1_219489_46868	NW_004516393.1	Scaffold1092	46868	TT	GG	1940480124
SNP_P1_219490_47075	NW_004516393.1	Scaffold1092	47075	TT	CC	1940480125
SNP_P1_219491_49342	NW_004516393.1	Scaffold1092	49342	AA	GG	1940480126
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SNP_P1_219493_57118	NW_004516393.1	Scaffold1092	57118	GG	TT	1940480128
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SNP_P1_219497_57514	NW_004516393.1	Scaffold1092	57514	CC	TT	1940480132
SNP_P1_219498_57702	NW_004516393.1	Scaffold1092	57702	AA	GG	1940480133
SNP_P1_219499_57905	NW_004516393.1	Scaffold1092	57905	CC	TT	1940480134
SNP_P1_219500_58203	NW_004516393.1	Scaffold1092	58203	TT	GG	1940480135
SNP_P1_219501_58398	NW_004516393.1	Scaffold1092	58398	AA	TT	1940480136
SNP_P1_219502_58631	NW_004516393.1	Scaffold1092	58631	AA	CC	1940480137
SNP_P1_219503_59233	NW_004516393.1	Scaffold1092	59233	CC	AA	1940480138
SNP_P1_219504_59477	NW_004516393.1	Scaffold1092	59477	AA	GG	1940480139
SNP_P1_219505_59774	NW_004516393.1	Scaffold1092	59774	CC	GG	1940480140
SNP_P1_219506_60092	NW_004516393.1	Scaffold1092	60092	AA	GG	1940480141
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SNP_P1_219510_64390	NW_004516393.1	Scaffold1092	64390	AA	GG	1940480145
SNP_P1_219511_64702	NW_004516393.1	Scaffold1092	64702	GG	AA	1940480146
SNP_P1_219512_64937	NW_004516393.1	Scaffold1092	64937	CC	AA	1940480147
SNP_P1_219513_65126	NW_004516393.1	Scaffold1092	65126	TT	CC	1940480148
SNP_P1_219515_65434	NW_004516393.1	Scaffold1092	65434	TT	AA	1940480149
SNP_P1_219516_65502	NW_004516393.1	Scaffold1092	65502	CC	GG	1940480150

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219519_65965	NW_004516393.1	Scaffold1092	65965	AA	GG	1940480152
SNP_P1_219520_66004	NW_004516393.1	Scaffold1092	66004	TT	AA	1940480153
SNP_P1_219521_66854	NW_004516393.1	Scaffold1092	66854	TT	CC	1940480154
SNP_P1_219523_67356	NW_004516393.1	Scaffold1092	67356	AA	CC	1940480155
SNP_P1_219524_67664	NW_004516393.1	Scaffold1092	67664	GG	AA	1940480156
SNP_P1_219526_67690	NW_004516393.1	Scaffold1092	67690	GG	AA	1940480157
SNP_P1_219527_68199	NW_004516393.1	Scaffold1092	68199	AA	GG	1940480158
SNP_P1_219528_72862	NW_004516393.1	Scaffold1092	72862	GG	AA	1940480159
SNP_P1_219529_75314	NW_004516393.1	Scaffold1092	75314	AA	TT	1940480160
SNP_P1_219530_75400	NW_004516393.1	Scaffold1092	75400	TT	AA	1940480161
SNP_P1_219531_75920	NW_004516393.1	Scaffold1092	75920	TT	CC	1940480162
SNP_P1_219532_77610	NW_004516393.1	Scaffold1092	77610	AA	GG	1940480163
SNP_P1_219533_77647	NW_004516393.1	Scaffold1092	77647	GG	TT	1940480164
SNP_P1_219534_77774	NW_004516393.1	Scaffold1092	77774	CC	GG	1940480165
SNP_P1_219535_78429	NW_004516393.1	Scaffold1092	78429	CC	TT	1940480166
SNP_P1_219536_79155	NW_004516393.1	Scaffold1092	79155	CC	TT	1940480167
SNP_P1_219538_79320	NW_004516393.1	Scaffold1092	79320	AA	GG	1940480168
SNP_P1_219540_82286	NW_004516393.1	Scaffold1092	82286	AA	GG	1940480169
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SNP_P1_219544_82800	NW_004516393.1	Scaffold1092	82800	TT	AA	1940480173
SNP_P1_219546_83138	NW_004516393.1	Scaffold1092	83138	CC	TT	1940480174
SNP_P1_219547_83140	NW_004516393.1	Scaffold1092	83140	AA	TT	1940480175
SNP_P1_219548_83155	NW_004516393.1	Scaffold1092	83155	TT	AA	1940480176
SNP_P1_219549_83156	NW_004516393.1	Scaffold1092	83156	CC	AA	1940480177
SNP_P1_219550_83158	NW_004516393.1	Scaffold1092	83158	TT	CC	1940480178
SNP_P1_219551_83772	NW_004516393.1	Scaffold1092	83772	CC	GG	1940480179
SNP_P1_219552_84227	NW_004516393.1	Scaffold1092	84227	TT	AA	1940480180
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SNP_P1_219554_85605	NW_004516393.1	Scaffold1092	85605	CC	TT	1940480182
SNP_P1_219555_86754	NW_004516393.1	Scaffold1092	86754	CC	TT	1940480183
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SNP_P1_219557_87027	NW_004516393.1	Scaffold1092	87027	TT	GG	1940480185
SNP_P1_219558_87055	NW_004516393.1	Scaffold1092	87055	TT	CC	1940480186
SNP_P1_219559_87732	NW_004516393.1	Scaffold1092	87732	TT	CC	1940480187
SNP_P1_219560_88355	NW_004516393.1	Scaffold1092	88355	TT	CC	1940480188
SNP_P1_219561_88374	NW_004516393.1	Scaffold1092	88374	CC	TT	1940480189
SNP_P1_219562_88375	NW_004516393.1	Scaffold1092	88375	AA	TT	1940480190
SNP_P1_219563_88376	NW_004516393.1	Scaffold1092	88376	TT	AA	1940480191
SNP_P1_219564_88642	NW_004516393.1	Scaffold1092	88642	CC	TT	1940480192

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219567_91538	NW_004516393.1	Scaffold1092	91538	AA	TT	1940480195
SNP_P1_219568_93837	NW_004516393.1	Scaffold1092	93837	AA	GG	1940480196
SNP_P1_219569_93987	NW_004516393.1	Scaffold1092	93987	TT	GG	1940480197
SNP_P1_219570_94523	NW_004516393.1	Scaffold1092	94523	AA	TT	1940480198
SNP_P1_219571_94740	NW_004516393.1	Scaffold1092	94740	AA	CC	1940480199
SNP_P1_219572_94742	NW_004516393.1	Scaffold1092	94742	TT	AA	1940480200
SNP_P1_219573_94850	NW_004516393.1	Scaffold1092	94850	AA	CC	1940480201
SNP_P1_219574_94859	NW_004516393.1	Scaffold1092	94859	TT	GG	1940480202
SNP_P1_219575_95414	NW_004516393.1	Scaffold1092	95414	TT	AA	1940480203
SNP_P1_219576_95420	NW_004516393.1	Scaffold1092	95420	AA	TT	1940480204
SNP_P1_219577_97867	NW_004516393.1	Scaffold1092	97867	GG	CC	1940480205
SNP_P1_219578_101228	NW_004516393.1	Scaffold1092	101228	CC	AA	1940480206
SNP_P1_219579_101289	NW_004516393.1	Scaffold1092	101289	TT	CC	1940480207
SNP_P1_219580_101503	NW_004516393.1	Scaffold1092	101503	AA	TT	1940480208
SNP_P1_219581_101553	NW_004516393.1	Scaffold1092	101553	TT	GG	1940480209
SNP_P1_219582_101554	NW_004516393.1	Scaffold1092	101554	AA	GG	1940480210
SNP_P1_219583_101994	NW_004516393.1	Scaffold1092	101994	GG	AA	1940480211
SNP_P1_219584_102020	NW_004516393.1	Scaffold1092	102020	TT	AA	1940480212
SNP_P1_219585_102320	NW_004516393.1	Scaffold1092	102320	AA	TT	1940480213
SNP_P1_219586_103118	NW_004516393.1	Scaffold1092	103118	TT	AA	1940480214
SNP_P1_219587_103333	NW_004516393.1	Scaffold1092	103333	TT	AA	1940480215
SNP_P1_219588_103452	NW_004516393.1	Scaffold1092	103452	GG	CC	1940480216
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SNP_P1_219590_103662	NW_004516393.1	Scaffold1092	103662	CC	GG	1940480218
SNP_P1_219591_103728	NW_004516393.1	Scaffold1092	103728	AA	TT	1940480219
SNP_P1_219592_103820	NW_004516393.1	Scaffold1092	103820	CC	TT	1940480220
SNP_P1_219593_105025	NW_004516393.1	Scaffold1092	105025	TT	AA	1940480221
SNP_P1_219594_105067	NW_004516393.1	Scaffold1092	105067	GG	AA	1940480222
SNP_P1_219595_105122	NW_004516393.1	Scaffold1092	105122	CC	AA	1940480223
SNP_P1_219596_105334	NW_004516393.1	Scaffold1092	105334	GG	CC	1940480224
SNP_P1_219597_105344	NW_004516393.1	Scaffold1092	105344	AA	TT	1940480225
SNP_P1_219598_105366	NW_004516393.1	Scaffold1092	105366	TT	AA	1940480226
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SNP_P1_219600_105563	NW_004516393.1	Scaffold1092	105563	CC	GG	1940480228
SNP_P1_219601_105600	NW_004516393.1	Scaffold1092	105600	GG	TT	1940480229
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SNP_P1_219603_105706	NW_004516393.1	Scaffold1092	105706	AA	TT	1940480231
SNP_P1_219604_105776	NW_004516393.1	Scaffold1092	105776	AA	CC	1940480232
SNP_P1_219606_111019	NW_004516393.1	Scaffold1092	111019	TT	CC	1940480233
SNP_P1_219607_111916	NW_004516393.1	Scaffold1092	111916	GG	CC	1940480234

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219609_112103	NW_004516393.1	Scaffold1092	112103	AA	TT	1940480236
SNP_P1_219610_112150	NW_004516393.1	Scaffold1092	112150	GG	CC	1940480237
SNP_P1_219611_112159	NW_004516393.1	Scaffold1092	112159	AA	TT	1940480238
SNP_P1_219612_112163	NW_004516393.1	Scaffold1092	112163	TT	CC	1940480239
SNP_P1_219613_112211	NW_004516393.1	Scaffold1092	112211	CC	TT	1940480240
SNP_P1_219614_112222	NW_004516393.1	Scaffold1092	112222	CC	GG	1940480241
SNP_P1_219615_114047	NW_004516393.1	Scaffold1092	114047	TT	CC	1940480242
SNP_P1_219616_114050	NW_004516393.1	Scaffold1092	114050	CC	AA	1940480243
SNP_P1_219618_114182	NW_004516393.1	Scaffold1092	114182	GG	CC	1940480244
SNP_P1_219619_114341	NW_004516393.1	Scaffold1092	114341	GG	TT	1940480245
SNP_P1_219620_114349	NW_004516393.1	Scaffold1092	114349	CC	AA	1940480246
SNP_P1_219621_114479	NW_004516393.1	Scaffold1092	114479	AA	GG	1940480247
SNP_P1_219623_114582	NW_004516393.1	Scaffold1092	114582	TT	CC	1940480248
SNP_P1_219624_114652	NW_004516393.1	Scaffold1092	114652	GG	CC	1940480249
SNP_P1_219625_114839	NW_004516393.1	Scaffold1092	114839	CC	GG	1940480250
SNP_P1_219626_115144	NW_004516393.1	Scaffold1092	115144	GG	CC	1940480251
SNP_P1_219627_115197	NW_004516393.1	Scaffold1092	115197	TT	GG	1940480252
SNP_P1_219628_115215	NW_004516393.1	Scaffold1092	115215	TT	AA	1940480253
SNP_P1_219629_116659	NW_004516393.1	Scaffold1092	116659	TT	AA	1940480254
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SNP_P1_219635_116851	NW_004516393.1	Scaffold1092	116851	TT	AA	1940480260
SNP_P1_219636_116879	NW_004516393.1	Scaffold1092	116879	AA	TT	1940480261
SNP_P1_219637_116995	NW_004516393.1	Scaffold1092	116995	AA	GG	1940480262
SNP_P1_219638_117145	NW_004516393.1	Scaffold1092	117145	AA	TT	1940480263
SNP_P1_219639_117259	NW_004516393.1	Scaffold1092	117259	GG	AA	1940480264
SNP_P1_219640_117362	NW_004516393.1	Scaffold1092	117362	TT	CC	1940480265
SNP_P1_219641_117391	NW_004516393.1	Scaffold1092	117391	AA	TT	1940480266
SNP_P1_219642_117408	NW_004516393.1	Scaffold1092	117408	TT	AA	1940480267
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SNP_P1_219646_117589	NW_004516393.1	Scaffold1092	117589	TT	AA	1940480271
SNP_P1_219647_117793	NW_004516393.1	Scaffold1092	117793	TT	GG	1940480272
SNP_P1_219648_117841	NW_004516393.1	Scaffold1092	117841	GG	AA	1940480273
SNP_P1_219649_117986	NW_004516393.1	Scaffold1092	117986	TT	CC	1940480275
SNP_P1_219650_118324	NW_004516393.1	Scaffold1092	118324	CC	TT	1940480276
SNP_P1_219651_118908	NW_004516393.1	Scaffold1092	118908	GG	TT	1940480277

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219654_119148	NW_004516393.1	Scaffold1092	119148	TT	AA	1940480280
SNP_P1_219655_119240	NW_004516393.1	Scaffold1092	119240	AA	CC	1940480281
SNP_P1_219656_119243	NW_004516393.1	Scaffold1092	119243	TT	AA	1940480282
SNP_P1_219657_119387	NW_004516393.1	Scaffold1092	119387	CC	TT	1940480283
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SNP_P1_219659_119541	NW_004516393.1	Scaffold1092	119541	CC	TT	1940480285
SNP_P1_219660_121098	NW_004516393.1	Scaffold1092	121098	AA	TT	1940480286
SNP_P1_219663_121584	NW_004516393.1	Scaffold1092	121584	TT	CC	1940480287
SNP_P1_219664_121588	NW_004516393.1	Scaffold1092	121588	TT	AA	1940480288
SNP_P1_219665_121590	NW_004516393.1	Scaffold1092	121590	TT	CC	1940480289
SNP_P1_219666_121602	NW_004516393.1	Scaffold1092	121602	GG	TT	1940480290
SNP_P1_219667_122096	NW_004516393.1	Scaffold1092	122096	TT	AA	1940480291
SNP_P1_219668_122112	NW_004516393.1	Scaffold1092	122112	TT	AA	1940480292
SNP_P1_219669_122191	NW_004516393.1	Scaffold1092	122191	AA	TT	1940480293
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SNP_P1_219685_129713	NW_004516393.1	Scaffold1092	129713	CC	TT	1940480309
SNP_P1_219686_138709	NW_004516393.1	Scaffold1092	138709	GG	CC	1940480310
SNP_P1_219687_138803	NW_004516393.1	Scaffold1092	138803	CC	GG	1940480311
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SNP_P1_219693_139302	NW_004516393.1	Scaffold1092	139302	GG	AA	1940480316
SNP_P1_219694_139339	NW_004516393.1	Scaffold1092	139339	CC	TT	1940480317
SNP_P1_219695_139478	NW_004516393.1	Scaffold1092	139478	TT	CC	1940480318
SNP_P1_219696_139481	NW_004516393.1	Scaffold1092	139481	GG	AA	1940480319

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219699_139743	NW_004516393.1	Scaffold1092	139743	TT	CC	1940480322
SNP_P1_219700_139748	NW_004516393.1	Scaffold1092	139748	AA	GG	1940480323
SNP_P1_219701_139755	NW_004516393.1	Scaffold1092	139755	CC	AA	1940480324
SNP_P1_219702_139781	NW_004516393.1	Scaffold1092	139781	GG	AA	1940480325
SNP_P1_219703_139869	NW_004516393.1	Scaffold1092	139869	AA	CC	1940480326
SNP_P1_219704_139870	NW_004516393.1	Scaffold1092	139870	TT	GG	1940480327
SNP_P1_219705_140420	NW_004516393.1	Scaffold1092	140420	AA	GG	1940480328
SNP_P1_219706_140827	NW_004516393.1	Scaffold1092	140827	CC	AA	1940480329
SNP_P1_219707_140850	NW_004516393.1	Scaffold1092	140850	CC	GG	1940480330
SNP_P1_219708_140851	NW_004516393.1	Scaffold1092	140851	CC	TT	1940480331
SNP_P1_219709_140875	NW_004516393.1	Scaffold1092	140875	GG	AA	1940480332
SNP_P1_219710_141015	NW_004516393.1	Scaffold1092	141015	TT	AA	1940480333
SNP_P1_219711_141044	NW_004516393.1	Scaffold1092	141044	AA	GG	1940480334
SNP_P1_219712_141168	NW_004516393.1	Scaffold1092	141168	AA	CC	1940480335
SNP_P1_219713_141332	NW_004516393.1	Scaffold1092	141332	AA	TT	1940480336
SNP_P1_219714_141405	NW_004516393.1	Scaffold1092	141405	GG	AA	1940480337
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SNP_P1_219723_142620	NW_004516393.1	Scaffold1092	142620	CC	TT	1940480345
SNP_P1_219724_142719	NW_004516393.1	Scaffold1092	142719	CC	TT	1940480346
SNP_P1_219725_142730	NW_004516393.1	Scaffold1092	142730	CC	AA	1940480347
SNP_P1_219726_142757	NW_004516393.1	Scaffold1092	142757	CC	TT	1940480348
SNP_P1_219727_142772	NW_004516393.1	Scaffold1092	142772	GG	CC	1940480349
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SNP_P1_219729_143004	NW_004516393.1	Scaffold1092	143004	TT	CC	1940480351
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SNP_P1_219731_143105	NW_004516393.1	Scaffold1092	143105	TT	CC	1940480353
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SNP_P1_219734_144248	NW_004516393.1	Scaffold1092	144248	TT	GG	1940480356
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SNP_P1_219736_144334	NW_004516393.1	Scaffold1092	144334	TT	AA	1940480358
SNP_P1_219737_144387	NW_004516393.1	Scaffold1092	144387	GG	TT	1940480359
SNP_P1_219738_144619	NW_004516393.1	Scaffold1092	144619	CC	GG	1940480360
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219744_145905	NW_004516393.1	Scaffold1092	145905	TT	GG	1940480365
SNP_P1_219745_146395	NW_004516393.1	Scaffold1092	146395	TT	CC	1940480366
SNP_P1_219746_146429	NW_004516393.1	Scaffold1092	146429	AA	GG	1940480367
SNP_P1_219747_146717	NW_004516393.1	Scaffold1092	146717	CC	TT	1940480368
SNP_P1_219749_146836	NW_004516393.1	Scaffold1092	146836	CC	TT	1940480369
SNP_P1_219750_146877	NW_004516393.1	Scaffold1092	146877	CC	GG	1940480370
SNP_P1_219751_146933	NW_004516393.1	Scaffold1092	146933	AA	CC	1940480371
SNP_P1_219752_146976	NW_004516393.1	Scaffold1092	146976	CC	AA	1940480372
SNP_P1_219753_147094	NW_004516393.1	Scaffold1092	147094	TT	GG	1940480373
SNP_P1_219754_147132	NW_004516393.1	Scaffold1092	147132	TT	AA	1940480374
SNP_P1_219755_147193	NW_004516393.1	Scaffold1092	147193	AA	TT	1940480375
SNP_P1_219756_147552	NW_004516393.1	Scaffold1092	147552	GG	TT	1940480376
SNP_P1_219757_147714	NW_004516393.1	Scaffold1092	147714	TT	AA	1940480377
SNP_P1_219758_147794	NW_004516393.1	Scaffold1092	147794	AA	TT	1940480378
SNP_P1_219759_147801	NW_004516393.1	Scaffold1092	147801	GG	AA	1940480379
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SNP_P1_219767_152103	NW_004516393.1	Scaffold1092	152103	GG	AA	1940480387
SNP_P1_219768_152348	NW_004516393.1	Scaffold1092	152348	CC	GG	1940480388
SNP_P1_219769_152603	NW_004516393.1	Scaffold1092	152603	TT	CC	1940480389
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SNP_P1_219777_156899	NW_004516393.1	Scaffold1092	156899	TT	CC	1940480397
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SNP_P1_219779_157478	NW_004516393.1	Scaffold1092	157478	CC	GG	1940480399
SNP_P1_219780_157506	NW_004516393.1	Scaffold1092	157506	GG	CC	1940480400
SNP_P1_219781_769	NW_004516394.1	Scaffold1095	769	AA	TT	1940480401
SNP_P1_219782_5727	NW_004516394.1	Scaffold1095	5727	AA	GG	1940480402
SNP_P1_219783_5751	NW_004516394.1	Scaffold1095	5751	TT	AA	1940480403

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219786_6020	NW_004516394.1	Scaffold1095	6020	CC	TT	1940480406
SNP_P1_219787_6147	NW_004516394.1	Scaffold1095	6147	GG	AA	1940480407
SNP_P1_219788_6422	NW_004516394.1	Scaffold1095	6422	GG	CC	1940480408
SNP_P1_219789_15842	NW_004516394.1	Scaffold1095	15842	AA	CC	1940480409
SNP_P1_219790_16814	NW_004516394.1	Scaffold1095	16814	TT	GG	1940480410
SNP_P1_219791_17249	NW_004516394.1	Scaffold1095	17249	GG	AA	1940480411
SNP_P1_219792_17302	NW_004516394.1	Scaffold1095	17302	TT	AA	1940480412
SNP_P1_219793_17304	NW_004516394.1	Scaffold1095	17304	TT	CC	1940480413
SNP_P1_219794_18067	NW_004516394.1	Scaffold1095	18067	CC	TT	1940480414
SNP_P1_219795_18114	NW_004516394.1	Scaffold1095	18114	TT	CC	1940480415
SNP_P1_219796_18115	NW_004516394.1	Scaffold1095	18115	GG	AA	1940480416
SNP_P1_219797_26720	NW_004516394.1	Scaffold1095	26720	AA	GG	1940480417
SNP_P1_219798_38328	NW_004516394.1	Scaffold1095	38328	CC	TT	1940480418
SNP_P1_219799_38410	NW_004516394.1	Scaffold1095	38410	CC	TT	1940480419
SNP_P1_219800_38769	NW_004516394.1	Scaffold1095	38769	AA	TT	1940480420
SNP_P1_219801_38954	NW_004516394.1	Scaffold1095	38954	AA	GG	1940480421
SNP_P1_219802_38959	NW_004516394.1	Scaffold1095	38959	TT	CC	1940480422
SNP_P1_219804_3375	NW_004516396.1	Scaffold1101	3375	TT	CC	1940480423
SNP_P1_219805_3466	NW_004516396.1	Scaffold1101	3466	AA	GG	1940480424
SNP_P1_219806_3467	NW_004516396.1	Scaffold1101	3467	AA	GG	1940480425
SNP_P1_219808_3845	NW_004516396.1	Scaffold1101	3845	CC	TT	1940480426
SNP_P1_219810_3967	NW_004516396.1	Scaffold1101	3967	CC	GG	1940480428
SNP_P1_219811_3977	NW_004516396.1	Scaffold1101	3977	GG	TT	1940480429
SNP_P1_219812_3991	NW_004516396.1	Scaffold1101	3991	CC	AA	1940480430
SNP_P1_219813_4006	NW_004516396.1	Scaffold1101	4006	AA	GG	1940480431
SNP_P1_219814_4015	NW_004516396.1	Scaffold1101	4015	TT	CC	1940480432
SNP_P1_219815_4661	NW_004516396.1	Scaffold1101	4661	GG	AA	1940480433
SNP_P1_219816_6176	NW_004516396.1	Scaffold1101	6176	AA	GG	1940480434
SNP_P1_219817_6404	NW_004516396.1	Scaffold1101	6404	CC	AA	1940480435
SNP_P1_219818_24309	NW_004516396.1	Scaffold1101	24309	TT	CC	1940480436
SNP_P1_219819_3343	NW_004516397.1	Scaffold1102	3343	GG	AA	1940480437
SNP_P1_219820_3352	NW_004516397.1	Scaffold1102	3352	CC	AA	1940480438
SNP_P1_219821_3354	NW_004516397.1	Scaffold1102	3354	AA	TT	1940480439
SNP_P1_219822_3599	NW_004516397.1	Scaffold1102	3599	TT	CC	1940480440
SNP_P1_219823_5808	NW_004516397.1	Scaffold1102	5808	TT	CC	1940480441
SNP_P1_219824_5910	NW_004516397.1	Scaffold1102	5910	CC	TT	1940480442
SNP_P1_219825_6230	NW_004516397.1	Scaffold1102	6230	CC	TT	1940480443
SNP_P1_219826_6232	NW_004516397.1	Scaffold1102	6232	CC	AA	1940480444
SNP_P1_219828_7660	NW_004516397.1	Scaffold1102	7660	TT	CC	1940480445
SNP_P1_219829_7729	NW_004516397.1	Scaffold1102	7729	TT	CC	1940480446

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219832_1869	NW_004516398.1	Scaffold1103	1869	AA	GG	1940480449
SNP_P1_219833_4011	NW_004516398.1	Scaffold1103	4011	TT	CC	1940480450
SNP_P1_219834_8921	NW_004516398.1	Scaffold1103	8921	TT	GG	1940480451
SNP_P1_219835_8953	NW_004516398.1	Scaffold1103	8953	GG	AA	1940480452
SNP_P1_219836_11390	NW_004516398.1	Scaffold1103	11390	GG	AA	1940480453
SNP_P1_219837_11393	NW_004516398.1	Scaffold1103	11393	GG	AA	1940480454
SNP_P1_219838_11400	NW_004516398.1	Scaffold1103	11400	AA	TT	1940480455
SNP_P1_219839_26532	NW_004516398.1	Scaffold1103	26532	GG	AA	1940480456
SNP_P1_219840_36157	NW_004516401.1	Scaffold1107	36157	GG	CC	1940480457
SNP_P1_219841_36205	NW_004516401.1	Scaffold1107	36205	TT	AA	1940480458
SNP_P1_219842_54123	NW_004516401.1	Scaffold1107	54123	TT	CC	1940480459
SNP_P1_219843_54521	NW_004516401.1	Scaffold1107	54521	TT	CC	1940480460
SNP_P1_219844_58346	NW_004516401.1	Scaffold1107	58346	AA	GG	1940480461
SNP_P1_219845_58350	NW_004516401.1	Scaffold1107	58350	AA	GG	1940480462
SNP_P1_219846_58352	NW_004516401.1	Scaffold1107	58352	GG	AA	1940480463
SNP_P1_219847_58362	NW_004516401.1	Scaffold1107	58362	AA	GG	1940480464
SNP_P1_219848_58382	NW_004516401.1	Scaffold1107	58382	TT	GG	1940480465
SNP_P1_219849_61733	NW_004516401.1	Scaffold1107	61733	GG	TT	1940480466
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SNP_P1_219854_75883	NW_004516401.1	Scaffold1107	75883	AA	GG	1940480471
SNP_P1_219855_75920	NW_004516401.1	Scaffold1107	75920	CC	TT	1940480472
SNP_P1_219856_75931	NW_004516401.1	Scaffold1107	75931	GG	AA	1940480473
SNP_P1_219857_93946	NW_004516401.1	Scaffold1107	93946	GG	TT	1940480474
SNP_P1_219858_94046	NW_004516401.1	Scaffold1107	94046	GG	TT	1940480475
SNP_P1_219859_94067	NW_004516401.1	Scaffold1107	94067	CC	AA	1940480476
SNP_P1_219860_94093	NW_004516401.1	Scaffold1107	94093	GG	AA	1940480477
SNP_P1_219861_94153	NW_004516401.1	Scaffold1107	94153	CC	AA	1940480478
SNP_P1_219862_94160	NW_004516401.1	Scaffold1107	94160	GG	TT	1940480479
SNP_P1_219863_94203	NW_004516401.1	Scaffold1107	94203	CC	AA	1940480480
SNP_P1_219864_94205	NW_004516401.1	Scaffold1107	94205	AA	GG	1940480481
SNP_P1_219865_94216	NW_004516401.1	Scaffold1107	94216	AA	CC	1940480482
SNP_P1_219866_94241	NW_004516401.1	Scaffold1107	94241	AA	TT	1940480483
SNP_P1_219867_100268	NW_004516401.1	Scaffold1107	100268	AA	TT	1940480484
SNP_P1_219868_100305	NW_004516401.1	Scaffold1107	100305	AA	TT	1940480485
SNP_P1_219869_100643	NW_004516401.1	Scaffold1107	100643	CC	TT	1940480486
SNP_P1_219870_843	NW_004516402.1	Scaffold1108	843	GG	TT	1940480487
SNP_P1_219872_10180	NW_004516403.1	Scaffold1109	10180	TT	AA	1940480488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219874_13461	NW_004516403.1	Scaffold1109	13461	TT	AA	1940480490
SNP_P1_219875_13470	NW_004516403.1	Scaffold1109	13470	AA	GG	1940480491
SNP_P1_219876_13479	NW_004516403.1	Scaffold1109	13479	CC	TT	1940480492
SNP_P1_219877_13494	NW_004516403.1	Scaffold1109	13494	GG	AA	1940480493
SNP_P1_219878_13545	NW_004516403.1	Scaffold1109	13545	CC	GG	1940480494
SNP_P1_219879_13549	NW_004516403.1	Scaffold1109	13549	AA	GG	1940480495
SNP_P1_219880_13552	NW_004516403.1	Scaffold1109	13552	CC	TT	1940480496
SNP_P1_219881_13573	NW_004516403.1	Scaffold1109	13573	AA	GG	1940480497
SNP_P1_219882_13584	NW_004516403.1	Scaffold1109	13584	TT	GG	1940480498
SNP_P1_219883_13593	NW_004516403.1	Scaffold1109	13593	AA	GG	1940480499
SNP_P1_219884_13615	NW_004516403.1	Scaffold1109	13615	TT	AA	1940480500
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SNP_P1_219886_13635	NW_004516403.1	Scaffold1109	13635	CC	AA	1940480502
SNP_P1_219887_13658	NW_004516403.1	Scaffold1109	13658	TT	CC	1940480503
SNP_P1_219888_13692	NW_004516403.1	Scaffold1109	13692	TT	CC	1940480504
SNP_P1_219889_13714	NW_004516403.1	Scaffold1109	13714	AA	TT	1940480505
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SNP_P1_219898_14045	NW_004516403.1	Scaffold1109	14045	CC	TT	1940480513
SNP_P1_219900_14091	NW_004516403.1	Scaffold1109	14091	GG	TT	1940480514
SNP_P1_219901_14122	NW_004516403.1	Scaffold1109	14122	CC	TT	1940480515
SNP_P1_219902_14163	NW_004516403.1	Scaffold1109	14163	GG	TT	1940480516
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SNP_P1_219904_14184	NW_004516403.1	Scaffold1109	14184	TT	CC	1940480518
SNP_P1_219905_14191	NW_004516403.1	Scaffold1109	14191	GG	AA	1940480519
SNP_P1_219906_15596	NW_004516403.1	Scaffold1109	15596	CC	TT	1940480520
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SNP_P1_219908_24234	NW_004516403.1	Scaffold1109	24234	AA	GG	1940480522
SNP_P1_219909_28015	NW_004516403.1	Scaffold1109	28015	CC	TT	1940480523
SNP_P1_219911_35864	NW_004516403.1	Scaffold1109	35864	CC	TT	1940480524
SNP_P1_219912_43827	NW_004516403.1	Scaffold1109	43827	TT	AA	1940480525
SNP_P1_219914_65469	NW_004516403.1	Scaffold1109	65469	TT	CC	1940480526
SNP_P1_219916_89005	NW_004516403.1	Scaffold1109	89005	AA	TT	1940480527
SNP_P1_219918_97631	NW_004516403.1	Scaffold1109	97631	AA	TT	1940480528
SNP_P1_219919_97696	NW_004516403.1	Scaffold1109	97696	TT	GG	1940480529
SNP_P1_219920_97767	NW_004516403.1	Scaffold1109	97767	GG	AA	1940480530

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_219971_26736	NW_004516405.1	Scaffold1111	26736	GG	TT	1940480578
SNP_P1_219972_26977	NW_004516405.1	Scaffold1111	26977	AA	TT	1940480579
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SNP_P1_219977_28260	NW_004516405.1	Scaffold1111	28260	TT	CC	1940480584
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SNP_P1_219992_53605	NW_004516407.1	Scaffold1114	53605	GG	AA	1940480599
SNP_P1_219993_62862	NW_004516407.1	Scaffold1114	62862	TT	CC	1940480600
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SNP_P1_220006_555	NW_004516408.1	Scaffold1115	555	TT	GG	1940480613
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220020_53607	NW_004516408.1	Scaffold1115	53607	TT	GG	1940480624
SNP_P1_220021_90164	NW_004516408.1	Scaffold1115	90164	TT	GG	1940480625
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SNP_P1_220023_90352	NW_004516408.1	Scaffold1115	90352	TT	CC	1940480627
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220066_25773	NW_004516409.1	Scaffold1116	25773	GG	AA	1940480669
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220138_95008	NW_004516409.1	Scaffold1116	95008	CC	TT	1940480739
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SNP_P1_220140_114686	NW_004516409.1	Scaffold1116	114686	TT	GG	1940480741
SNP_P1_220141_116664	NW_004516409.1	Scaffold1116	116664	AA	CC	1940480742

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220143_118050	NW_004516409.1	Scaffold1116	118050	CC	TT	1940480744
SNP_P1_220145_118307	NW_004516409.1	Scaffold1116	118307	GG	CC	1940480745
SNP_P1_220146_118320	NW_004516409.1	Scaffold1116	118320	TT	CC	1940480746
SNP_P1_220147_118412	NW_004516409.1	Scaffold1116	118412	GG	CC	1940480747
SNP_P1_220148_118442	NW_004516409.1	Scaffold1116	118442	AA	CC	1940480748
SNP_P1_220149_118649	NW_004516409.1	Scaffold1116	118649	CC	TT	1940480749
SNP_P1_220150_118891	NW_004516409.1	Scaffold1116	118891	TT	CC	1940480750
SNP_P1_220151_118900	NW_004516409.1	Scaffold1116	118900	AA	GG	1940480751
SNP_P1_220152_120755	NW_004516409.1	Scaffold1116	120755	CC	TT	1940480752
SNP_P1_220153_120845	NW_004516409.1	Scaffold1116	120845	GG	AA	1940480753
SNP_P1_220154_120868	NW_004516409.1	Scaffold1116	120868	AA	GG	1940480754
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SNP_P1_220158_122772	NW_004516409.1	Scaffold1116	122772	GG	AA	1940480758
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SNP_P1_220160_132336	NW_004516409.1	Scaffold1116	132336	CC	TT	1940480760
SNP_P1_220161_132682	NW_004516409.1	Scaffold1116	132682	CC	TT	1940480761
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SNP_P1_220163_135371	NW_004516409.1	Scaffold1116	135371	AA	GG	1940480763
SNP_P1_220164_135834	NW_004516409.1	Scaffold1116	135834	TT	GG	1940480764
SNP_P1_220165_136041	NW_004516409.1	Scaffold1116	136041	TT	CC	1940480765
SNP_P1_220166_136059	NW_004516409.1	Scaffold1116	136059	TT	AA	1940480766
SNP_P1_220167_137231	NW_004516409.1	Scaffold1116	137231	GG	CC	1940480767
SNP_P1_220168_139296	NW_004516409.1	Scaffold1116	139296	CC	TT	1940480768
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SNP_P1_220174_144987	NW_004516409.1	Scaffold1116	144987	GG	AA	1940480774
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SNP_P1_220176_1747	NW_004516410.1	Scaffold1118	1747	GG	TT	1940480776
SNP_P1_220177_1969	NW_004516410.1	Scaffold1118	1969	GG	AA	1940480777
SNP_P1_220178_2006	NW_004516410.1	Scaffold1118	2006	GG	AA	1940480778
SNP_P1_220179_2044	NW_004516410.1	Scaffold1118	2044	TT	CC	1940480779
SNP_P1_220180_2463	NW_004516410.1	Scaffold1118	2463	AA	TT	1940480780
SNP_P1_220181_9110	NW_004516410.1	Scaffold1118	9110	AA	GG	1940480781
SNP_P1_220182_9111	NW_004516410.1	Scaffold1118	9111	CC	GG	1940480782
SNP_P1_220183_9174	NW_004516410.1	Scaffold1118	9174	TT	AA	1940480783
SNP_P1_220184_9185	NW_004516410.1	Scaffold1118	9185	AA	GG	1940480784

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220187_9745	NW_004516410.1	Scaffold1118	9745	AA	CC	1940480787
SNP_P1_220188_19003	NW_004516410.1	Scaffold1118	19003	TT	CC	1940480788
SNP_P1_220189_19051	NW_004516410.1	Scaffold1118	19051	GG	CC	1940480789
SNP_P1_220190_19490	NW_004516410.1	Scaffold1118	19490	AA	TT	1940480790
SNP_P1_220191_24116	NW_004516410.1	Scaffold1118	24116	CC	TT	1940480791
SNP_P1_220192_25811	NW_004516410.1	Scaffold1118	25811	TT	CC	1940480792
SNP_P1_220193_25825	NW_004516410.1	Scaffold1118	25825	GG	AA	1940480793
SNP_P1_220194_25845	NW_004516410.1	Scaffold1118	25845	CC	TT	1940480794
SNP_P1_220195_26185	NW_004516410.1	Scaffold1118	26185	AA	GG	1940480795
SNP_P1_220196_26209	NW_004516410.1	Scaffold1118	26209	TT	CC	1940480796
SNP_P1_220197_26230	NW_004516410.1	Scaffold1118	26230	TT	AA	1940480797
SNP_P1_220198_26232	NW_004516410.1	Scaffold1118	26232	AA	GG	1940480798
SNP_P1_220199_26239	NW_004516410.1	Scaffold1118	26239	GG	AA	1940480799
SNP_P1_220200_26244	NW_004516410.1	Scaffold1118	26244	AA	GG	1940480800
SNP_P1_220201_26357	NW_004516410.1	Scaffold1118	26357	TT	CC	1940480801
SNP_P1_220202_26378	NW_004516410.1	Scaffold1118	26378	AA	GG	1940480802
SNP_P1_220203_26383	NW_004516410.1	Scaffold1118	26383	GG	AA	1940480803
SNP_P1_220204_26534	NW_004516410.1	Scaffold1118	26534	AA	TT	1940480804
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SNP_P1_220206_26626	NW_004516410.1	Scaffold1118	26626	GG	AA	1940480806
SNP_P1_220207_26629	NW_004516410.1	Scaffold1118	26629	GG	AA	1940480807
SNP_P1_220208_28941	NW_004516410.1	Scaffold1118	28941	AA	CC	1940480808
SNP_P1_220209_29338	NW_004516410.1	Scaffold1118	29338	AA	CC	1940480809
SNP_P1_220210_29632	NW_004516410.1	Scaffold1118	29632	AA	GG	1940480810
SNP_P1_220212_29964	NW_004516410.1	Scaffold1118	29964	AA	CC	1940480811
SNP_P1_220213_30315	NW_004516410.1	Scaffold1118	30315	CC	TT	1940480812
SNP_P1_220214_30369	NW_004516410.1	Scaffold1118	30369	GG	AA	1940480813
SNP_P1_220215_30426	NW_004516410.1	Scaffold1118	30426	AA	GG	1940480814
SNP_P1_220216_30588	NW_004516410.1	Scaffold1118	30588	TT	CC	1940480815
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SNP_P1_220218_32540	NW_004516410.1	Scaffold1118	32540	AA	TT	1940480817
SNP_P1_220219_33094	NW_004516410.1	Scaffold1118	33094	GG	TT	1940480818
SNP_P1_220220_33211	NW_004516410.1	Scaffold1118	33211	AA	CC	1940480819
SNP_P1_220221_34350	NW_004516410.1	Scaffold1118	34350	GG	TT	1940480820
SNP_P1_220222_34380	NW_004516410.1	Scaffold1118	34380	AA	CC	1940480821
SNP_P1_220223_34398	NW_004516410.1	Scaffold1118	34398	TT	CC	1940480822
SNP_P1_220224_7594	NW_004516411.1	Scaffold1120	7594	CC	TT	1940480823
SNP_P1_220225_8007	NW_004516411.1	Scaffold1120	8007	AA	TT	1940480824
SNP_P1_220226_11088	NW_004516411.1	Scaffold1120	11088	GG	AA	1940480825
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220230_11179	NW_004516411.1	Scaffold1120	11179	TT	CC	1940480828
SNP_P1_220231_11189	NW_004516411.1	Scaffold1120	11189	CC	AA	1940480829
SNP_P1_220232_11295	NW_004516411.1	Scaffold1120	11295	TT	CC	1940480830
SNP_P1_220233_11345	NW_004516411.1	Scaffold1120	11345	CC	TT	1940480831
SNP_P1_220234_11366	NW_004516411.1	Scaffold1120	11366	AA	GG	1940480832
SNP_P1_220235_11382	NW_004516411.1	Scaffold1120	11382	TT	CC	1940480833
SNP_P1_220236_11408	NW_004516411.1	Scaffold1120	11408	GG	AA	1940480834
SNP_P1_220237_13816	NW_004516411.1	Scaffold1120	13816	TT	AA	1940480835
SNP_P1_220238_14870	NW_004516411.1	Scaffold1120	14870	GG	CC	1940480836
SNP_P1_220240_23183	NW_004516411.1	Scaffold1120	23183	AA	GG	1940480837
SNP_P1_220241_33134	NW_004516411.1	Scaffold1120	33134	AA	GG	1940480838
SNP_P1_220242_39638	NW_004516411.1	Scaffold1120	39638	GG	AA	1940480839
SNP_P1_220244_49233	NW_004516411.1	Scaffold1120	49233	AA	GG	1940480840
SNP_P1_220245_53261	NW_004516411.1	Scaffold1120	53261	AA	GG	1940480841
SNP_P1_220246_53417	NW_004516411.1	Scaffold1120	53417	CC	TT	1940480842
SNP_P1_220247_57836	NW_004516411.1	Scaffold1120	57836	GG	AA	1940480843
SNP_P1_220248_57837	NW_004516411.1	Scaffold1120	57837	TT	AA	1940480844
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SNP_P1_220250_57851	NW_004516411.1	Scaffold1120	57851	AA	CC	1940480846
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SNP_P1_220255_58376	NW_004516411.1	Scaffold1120	58376	GG	AA	1940480851
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SNP_P1_220264_4197	NW_004516414.1	Scaffold1126	4197	TT	CC	1940480860
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SNP_P1_220266_5710	NW_004516414.1	Scaffold1126	5710	AA	GG	1940480862
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SNP_P1_220270_9903	NW_004516414.1	Scaffold1126	9903	TT	GG	1940480866
SNP_P1_220271_3628	NW_004516416.1	Scaffold1128	3628	TT	CC	1940480867
SNP_P1_220273_8771	NW_004516416.1	Scaffold1128	8771	CC	TT	1940480868

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220276_21151	NW_004516416.1	Scaffold1128	21151	AA	GG	1940480871
SNP_P1_220277_21167	NW_004516416.1	Scaffold1128	21167	GG	AA	1940480872
SNP_P1_220278_21526	NW_004516416.1	Scaffold1128	21526	CC	TT	1940480873
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SNP_P1_220286_55804	NW_004516416.1	Scaffold1128	55804	TT	CC	1940480878
SNP_P1_220287_58067	NW_004516416.1	Scaffold1128	58067	GG	AA	1940480879
SNP_P1_220288_58196	NW_004516416.1	Scaffold1128	58196	GG	AA	1940480880
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SNP_P1_220292_73394	NW_004516416.1	Scaffold1128	73394	GG	AA	1940480884
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SNP_P1_220316_146108	NW_004516416.1	Scaffold1128	146108	CC	TT	1940480904
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SNP_P1_220321_147091	NW_004516416.1	Scaffold1128	147091	TT	CC	1940480909
SNP_P1_220322_148704	NW_004516416.1	Scaffold1128	148704	GG	TT	1940480910
SNP_P1_220324_152285	NW_004516416.1	Scaffold1128	152285	CC	GG	1940480911

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220328_178100	NW_004516416.1	Scaffold1128	178100	CC	TT	1940480915
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SNP_P1_220335_220560	NW_004516416.1	Scaffold1128	220560	CC	TT	1940480919
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SNP_P1_220340_230263	NW_004516416.1	Scaffold1128	230263	GG	AA	1940480924
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SNP_P1_220359_303079	NW_004516416.1	Scaffold1128	303079	GG	AA	1940480939
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SNP_P1_220361_335284	NW_004516416.1	Scaffold1128	335284	AA	TT	1940480941
SNP_P1_220362_336755	NW_004516416.1	Scaffold1128	336755	AA	GG	1940480942
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SNP_P1_220370_350979	NW_004516416.1	Scaffold1128	350979	TT	CC	1940480947
SNP_P1_220371_351048	NW_004516416.1	Scaffold1128	351048	TT	CC	1940480948
SNP_P1_220372_351081	NW_004516416.1	Scaffold1128	351081	TT	GG	1940480949
SNP_P1_220373_351144	NW_004516416.1	Scaffold1128	351144	GG	TT	1940480950
SNP_P1_220374_353019	NW_004516416.1	Scaffold1128	353019	TT	CC	1940480951
SNP_P1_220375_354492	NW_004516416.1	Scaffold1128	354492	GG	AA	1940480952
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220380_376889	NW_004516416.1	Scaffold1128	376889	TT	AA	1940480957
SNP_P1_220386_413457	NW_004516416.1	Scaffold1128	413457	GG	AA	1940480958
SNP_P1_220387_413483	NW_004516416.1	Scaffold1128	413483	AA	GG	1940480959
SNP_P1_220388_413484	NW_004516416.1	Scaffold1128	413484	AA	TT	1940480960
SNP_P1_220389_413762	NW_004516416.1	Scaffold1128	413762	TT	GG	1940480961
SNP_P1_220390_413775	NW_004516416.1	Scaffold1128	413775	AA	GG	1940480962
SNP_P1_220391_413782	NW_004516416.1	Scaffold1128	413782	TT	CC	1940480963
SNP_P1_220394_423991	NW_004516416.1	Scaffold1128	423991	TT	CC	1940480964
SNP_P1_220396_428107	NW_004516416.1	Scaffold1128	428107	GG	AA	1940480965
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SNP_P1_220398_438618	NW_004516416.1	Scaffold1128	438618	GG	TT	1940480967
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SNP_P1_220402_444493	NW_004516416.1	Scaffold1128	444493	TT	AA	1940480970
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SNP_P1_220408_479704	NW_004516416.1	Scaffold1128	479704	GG	AA	1940480976
SNP_P1_220410_485484	NW_004516416.1	Scaffold1128	485484	GG	AA	1940480977
SNP_P1_220411_485695	NW_004516416.1	Scaffold1128	485695	TT	CC	1940480978
SNP_P1_220412_485840	NW_004516416.1	Scaffold1128	485840	TT	AA	1940480979
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SNP_P1_220425_519273	NW_004516416.1	Scaffold1128	519273	AA	GG	1940480991
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SNP_P1_220428_11509	NW_004516418.1	Scaffold1131	11509	TT	CC	1940480994
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220432_25975	NW_004516418.1	Scaffold1131	25975	GG	TT	1940480998
SNP_P1_220433_26343	NW_004516418.1	Scaffold1131	26343	TT	CC	1940480999
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SNP_P1_220435_29755	NW_004516418.1	Scaffold1131	29755	CC	TT	1940481001
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SNP_P1_220437_29848	NW_004516418.1	Scaffold1131	29848	TT	CC	1940481003
SNP_P1_220438_30070	NW_004516418.1	Scaffold1131	30070	AA	TT	1940481004
SNP_P1_220439_30110	NW_004516418.1	Scaffold1131	30110	CC	AA	1940481005
SNP_P1_220440_30126	NW_004516418.1	Scaffold1131	30126	AA	TT	1940481006
SNP_P1_220441_30136	NW_004516418.1	Scaffold1131	30136	CC	GG	1940481007
SNP_P1_220442_30154	NW_004516418.1	Scaffold1131	30154	AA	GG	1940481008
SNP_P1_220443_30175	NW_004516418.1	Scaffold1131	30175	AA	GG	1940481009
SNP_P1_220444_30179	NW_004516418.1	Scaffold1131	30179	AA	GG	1940481010
SNP_P1_220445_30244	NW_004516418.1	Scaffold1131	30244	CC	GG	1940481011
SNP_P1_220446_30294	NW_004516418.1	Scaffold1131	30294	AA	CC	1940481012
SNP_P1_220447_32668	NW_004516418.1	Scaffold1131	32668	AA	GG	1940481013
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SNP_P1_220449_37604	NW_004516418.1	Scaffold1131	37604	TT	CC	1940481015
SNP_P1_220450_37624	NW_004516418.1	Scaffold1131	37624	TT	CC	1940481016
SNP_P1_220451_39163	NW_004516418.1	Scaffold1131	39163	CC	TT	1940481017
SNP_P1_220452_39220	NW_004516418.1	Scaffold1131	39220	CC	TT	1940481018
SNP_P1_220453_39221	NW_004516418.1	Scaffold1131	39221	CC	TT	1940481019
SNP_P1_220454_39268	NW_004516418.1	Scaffold1131	39268	AA	GG	1940481020
SNP_P1_220455_39277	NW_004516418.1	Scaffold1131	39277	TT	CC	1940481021
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SNP_P1_220461_45298	NW_004516418.1	Scaffold1131	45298	CC	TT	1940481027
SNP_P1_220462_47595	NW_004516418.1	Scaffold1131	47595	TT	CC	1940481028
SNP_P1_220463_47954	NW_004516418.1	Scaffold1131	47954	AA	GG	1940481029
SNP_P1_220464_56333	NW_004516418.1	Scaffold1131	56333	GG	AA	1940481030
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SNP_P1_220469_56816	NW_004516418.1	Scaffold1131	56816	TT	AA	1940481035
SNP_P1_220470_56938	NW_004516418.1	Scaffold1131	56938	CC	TT	1940481036
SNP_P1_220471_58820	NW_004516418.1	Scaffold1131	58820	CC	TT	1940481037

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220480_61282	NW_004516418.1	Scaffold1131	61282	TT	CC	1940481046
SNP_P1_220481_81684	NW_004516418.1	Scaffold1131	81684	AA	GG	1940481047
SNP_P1_220482_81840	NW_004516418.1	Scaffold1131	81840	AA	GG	1940481048
SNP_P1_220484_81914	NW_004516418.1	Scaffold1131	81914	CC	AA	1940481049
SNP_P1_220485_82004	NW_004516418.1	Scaffold1131	82004	TT	GG	1940481050
SNP_P1_220486_82067	NW_004516418.1	Scaffold1131	82067	CC	AA	1940481051
SNP_P1_220487_93478	NW_004516418.1	Scaffold1131	93478	AA	GG	1940481052
SNP_P1_220488_99835	NW_004516418.1	Scaffold1131	99835	TT	AA	1940481053
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SNP_P1_220490_114130	NW_004516418.1	Scaffold1131	114130	CC	TT	1940481056
SNP_P1_220491_139954	NW_004516418.1	Scaffold1131	139954	GG	AA	1940481057
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SNP_P1_220494_146747	NW_004516418.1	Scaffold1131	146747	GG	AA	1940481060
SNP_P1_220495_789	NW_004516419.1	Scaffold1132	789	GG	AA	1940481061
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SNP_P1_220500_49522	NW_004516419.1	Scaffold1132	49522	AA	GG	1940481066
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SNP_P1_220502_662	NW_004516420.1	Scaffold1133	662	CC	TT	1940481068
SNP_P1_220504_1091	NW_004516420.1	Scaffold1133	1091	GG	AA	1940481069
SNP_P1_220505_1361	NW_004516420.1	Scaffold1133	1361	CC	TT	1940481070
SNP_P1_220506_1568	NW_004516420.1	Scaffold1133	1568	GG	AA	1940481071
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SNP_P1_220508_1632	NW_004516420.1	Scaffold1133	1632	CC	GG	1940481073
SNP_P1_220509_1666	NW_004516420.1	Scaffold1133	1666	TT	CC	1940481074
SNP_P1_220510_1991	NW_004516420.1	Scaffold1133	1991	CC	TT	1940481075
SNP_P1_220511_7453	NW_004516420.1	Scaffold1133	7453	GG	CC	1940481076
SNP_P1_220512_7551	NW_004516420.1	Scaffold1133	7551	TT	AA	1940481077
SNP_P1_220513_7557	NW_004516420.1	Scaffold1133	7557	GG	AA	1940481078
SNP_P1_220514_7566	NW_004516420.1	Scaffold1133	7566	GG	AA	1940481079
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220520_18262	NW_004516420.1	Scaffold1133	18262	TT	GG	1940481085
SNP_P1_220521_18322	NW_004516420.1	Scaffold1133	18322	CC	TT	1940481086
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SNP_P1_220524_18516	NW_004516420.1	Scaffold1133	18516	CC	GG	1940481089
SNP_P1_220525_18630	NW_004516420.1	Scaffold1133	18630	CC	TT	1940481090
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SNP_P1_220529_18828	NW_004516420.1	Scaffold1133	18828	CC	TT	1940481094
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SNP_P1_220551_2874	NW_004516421.1	Scaffold1134	2874	AA	GG	1940481115
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SNP_P1_220556_16095	NW_004516421.1	Scaffold1134	16095	TT	CC	1940481119
SNP_P1_220557_20649	NW_004516421.1	Scaffold1134	20649	CC	AA	1940481120
SNP_P1_220558_21014	NW_004516421.1	Scaffold1134	21014	GG	AA	1940481121
SNP_P1_220560_938	NW_004516422.1	Scaffold1135	938	GG	AA	1940481122

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220564_9211	NW_004516422.1	Scaffold1135	9211	AA	GG	1940481126
SNP_P1_220565_9470	NW_004516422.1	Scaffold1135	9470	TT	CC	1940481127
SNP_P1_220567_9990	NW_004516422.1	Scaffold1135	9990	GG	AA	1940481128
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SNP_P1_220573_11584	NW_004516422.1	Scaffold1135	11584	TT	CC	1940481134
SNP_P1_220574_11589	NW_004516422.1	Scaffold1135	11589	GG	TT	1940481135
SNP_P1_220575_13105	NW_004516422.1	Scaffold1135	13105	CC	GG	1940481136
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SNP_P1_220581_14650	NW_004516422.1	Scaffold1135	14650	GG	AA	1940481141
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SNP_P1_220588_17124	NW_004516422.1	Scaffold1135	17124	GG	AA	1940481148
SNP_P1_220589_17580	NW_004516422.1	Scaffold1135	17580	TT	CC	1940481149
SNP_P1_220591_25878	NW_004516422.1	Scaffold1135	25878	TT	CC	1940481150
SNP_P1_220592_32374	NW_004516422.1	Scaffold1135	32374	TT	CC	1940481151
SNP_P1_220593_32391	NW_004516422.1	Scaffold1135	32391	TT	GG	1940481152
SNP_P1_220594_32437	NW_004516422.1	Scaffold1135	32437	CC	TT	1940481153
SNP_P1_220595_32585	NW_004516422.1	Scaffold1135	32585	AA	GG	1940481154
SNP_P1_220596_32596	NW_004516422.1	Scaffold1135	32596	TT	AA	1940481155
SNP_P1_220597_39273	NW_004516422.1	Scaffold1135	39273	GG	TT	1940481156
SNP_P1_220598_60890	NW_004516422.1	Scaffold1135	60890	GG	AA	1940481157
SNP_P1_220599_60896	NW_004516422.1	Scaffold1135	60896	CC	TT	1940481158
SNP_P1_220600_60946	NW_004516422.1	Scaffold1135	60946	AA	TT	1940481159
SNP_P1_220601_60950	NW_004516422.1	Scaffold1135	60950	TT	GG	1940481160
SNP_P1_220602_60995	NW_004516422.1	Scaffold1135	60995	AA	GG	1940481161
SNP_P1_220603_61262	NW_004516422.1	Scaffold1135	61262	AA	TT	1940481162
SNP_P1_220604_61263	NW_004516422.1	Scaffold1135	61263	AA	GG	1940481163
SNP_P1_220605_61274	NW_004516422.1	Scaffold1135	61274	TT	CC	1940481164

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220608_62314	NW_004516422.1	Scaffold1135	62314	TT	CC	1940481166
SNP_P1_220609_62319	NW_004516422.1	Scaffold1135	62319	TT	CC	1940481167
SNP_P1_220610_62358	NW_004516422.1	Scaffold1135	62358	GG	AA	1940481168
SNP_P1_220611_63819	NW_004516422.1	Scaffold1135	63819	GG	TT	1940481169
SNP_P1_220613_68459	NW_004516422.1	Scaffold1135	68459	TT	CC	1940481170
SNP_P1_220614_68480	NW_004516422.1	Scaffold1135	68480	CC	TT	1940481171
SNP_P1_220615_68793	NW_004516422.1	Scaffold1135	68793	CC	TT	1940481172
SNP_P1_220617_71395	NW_004516422.1	Scaffold1135	71395	GG	CC	1940481173
SNP_P1_220618_71396	NW_004516422.1	Scaffold1135	71396	TT	CC	1940481174
SNP_P1_220619_71404	NW_004516422.1	Scaffold1135	71404	CC	TT	1940481175
SNP_P1_220620_71409	NW_004516422.1	Scaffold1135	71409	CC	AA	1940481176
SNP_P1_220621_71411	NW_004516422.1	Scaffold1135	71411	TT	CC	1940481177
SNP_P1_220622_71572	NW_004516422.1	Scaffold1135	71572	GG	AA	1940481178
SNP_P1_220623_71593	NW_004516422.1	Scaffold1135	71593	AA	CC	1940481179
SNP_P1_220624_71662	NW_004516422.1	Scaffold1135	71662	CC	GG	1940481180
SNP_P1_220626_71892	NW_004516422.1	Scaffold1135	71892	GG	TT	1940481181
SNP_P1_220627_71898	NW_004516422.1	Scaffold1135	71898	CC	AA	1940481182
SNP_P1_220628_71899	NW_004516422.1	Scaffold1135	71899	GG	TT	1940481183
SNP_P1_220630_72311	NW_004516422.1	Scaffold1135	72311	CC	TT	1940481184
SNP_P1_220632_74533	NW_004516422.1	Scaffold1135	74533	AA	TT	1940481185
SNP_P1_220633_74802	NW_004516422.1	Scaffold1135	74802	AA	GG	1940481186
SNP_P1_220634_74950	NW_004516422.1	Scaffold1135	74950	TT	CC	1940481187
SNP_P1_220636_75514	NW_004516422.1	Scaffold1135	75514	CC	AA	1940481188
SNP_P1_220637_1017	NW_004516424.1	Scaffold1138	1017	AA	TT	1940481189
SNP_P1_220638_1027	NW_004516424.1	Scaffold1138	1027	GG	AA	1940481190
SNP_P1_220639_806	NW_004516425.1	Scaffold1139	806	AA	CC	1940481191
SNP_P1_220640_817	NW_004516425.1	Scaffold1139	817	TT	CC	1940481193
SNP_P1_220641_842	NW_004516425.1	Scaffold1139	842	AA	GG	1940481194
SNP_P1_220642_874	NW_004516425.1	Scaffold1139	874	GG	TT	1940481195
SNP_P1_220643_886	NW_004516425.1	Scaffold1139	886	TT	CC	1940481196
SNP_P1_220644_939	NW_004516425.1	Scaffold1139	939	GG	AA	1940481197
SNP_P1_220645_1116	NW_004516425.1	Scaffold1139	1116	TT	CC	1940481198
SNP_P1_220646_1117	NW_004516425.1	Scaffold1139	1117	CC	AA	1940481199
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SNP_P1_220648_1235	NW_004516425.1	Scaffold1139	1235	AA	GG	1940481201
SNP_P1_220649_1253	NW_004516425.1	Scaffold1139	1253	AA	GG	1940481202
SNP_P1_220651_1359	NW_004516425.1	Scaffold1139	1359	CC	AA	1940481203
SNP_P1_220653_1409	NW_004516425.1	Scaffold1139	1409	TT	AA	1940481204
SNP_P1_220654_1420	NW_004516425.1	Scaffold1139	1420	AA	GG	1940481205
SNP_P1_220656_1701	NW_004516425.1	Scaffold1139	1701	TT	AA	1940481206
SNP_P1_220657_1764	NW_004516425.1	Scaffold1139	1764	AA	GG	1940481207

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220659_1828	NW_004516425.1	Scaffold1139	1828	CC	TT	1940481209
SNP_P1_220660_1845	NW_004516425.1	Scaffold1139	1845	TT	GG	1940481210
SNP_P1_220661_1884	NW_004516425.1	Scaffold1139	1884	GG	CC	1940481211
SNP_P1_220662_1892	NW_004516425.1	Scaffold1139	1892	TT	CC	1940481212
SNP_P1_220663_1926	NW_004516425.1	Scaffold1139	1926	CC	TT	1940481213
SNP_P1_220664_1970	NW_004516425.1	Scaffold1139	1970	AA	GG	1940481214
SNP_P1_220665_1990	NW_004516425.1	Scaffold1139	1990	CC	TT	1940481215
SNP_P1_220666_2019	NW_004516425.1	Scaffold1139	2019	TT	CC	1940481216
SNP_P1_220668_5705	NW_004516427.1	Scaffold1142	5705	CC	TT	1940481217
SNP_P1_220669_9586	NW_004516427.1	Scaffold1142	9586	TT	CC	1940481218
SNP_P1_220670_18586	NW_004516427.1	Scaffold1142	18586	TT	CC	1940481219
SNP_P1_220671_18959	NW_004516427.1	Scaffold1142	18959	AA	TT	1940481220
SNP_P1_220672_23365	NW_004516427.1	Scaffold1142	23365	CC	TT	1940481221
SNP_P1_220673_2174	NW_004516428.1	Scaffold1143	2174	CC	TT	1940481222
SNP_P1_220674_2305	NW_004516428.1	Scaffold1143	2305	AA	GG	1940481223
SNP_P1_220675_2321	NW_004516428.1	Scaffold1143	2321	AA	GG	1940481224
SNP_P1_220676_2363	NW_004516428.1	Scaffold1143	2363	AA	GG	1940481225
SNP_P1_220677_2152	NW_004516429.1	Scaffold1145	2152	TT	CC	1940481226
SNP_P1_220678_2232	NW_004516429.1	Scaffold1145	2232	AA	GG	1940481227
SNP_P1_220679_2368	NW_004516429.1	Scaffold1145	2368	TT	CC	1940481228
SNP_P1_220680_2422	NW_004516429.1	Scaffold1145	2422	TT	CC	1940481229
SNP_P1_220681_2514	NW_004516429.1	Scaffold1145	2514	CC	TT	1940481230
SNP_P1_220682_2535	NW_004516429.1	Scaffold1145	2535	TT	CC	1940481231
SNP_P1_220684_2680	NW_004516429.1	Scaffold1145	2680	TT	CC	1940481232
SNP_P1_220685_2709	NW_004516429.1	Scaffold1145	2709	TT	CC	1940481233
SNP_P1_220686_3304	NW_004516429.1	Scaffold1145	3304	GG	TT	1940481234
SNP_P1_220688_4073	NW_004516429.1	Scaffold1145	4073	TT	CC	1940481235
SNP_P1_220689_4286	NW_004516429.1	Scaffold1145	4286	TT	GG	1940481236
SNP_P1_220690_4287	NW_004516429.1	Scaffold1145	4287	CC	TT	1940481237
SNP_P1_220691_4320	NW_004516429.1	Scaffold1145	4320	GG	CC	1940481238
SNP_P1_220692_4506	NW_004516429.1	Scaffold1145	4506	CC	GG	1940481239
SNP_P1_220695_7444	NW_004516429.1	Scaffold1145	7444	TT	CC	1940481240
SNP_P1_220696_7446	NW_004516429.1	Scaffold1145	7446	TT	GG	1940481241
SNP_P1_220698_13526	NW_004516429.1	Scaffold1145	13526	GG	CC	1940481242
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SNP_P1_220700_13938	NW_004516429.1	Scaffold1145	13938	TT	CC	1940481244
SNP_P1_220701_13982	NW_004516429.1	Scaffold1145	13982	TT	CC	1940481245
SNP_P1_220702_14008	NW_004516429.1	Scaffold1145	14008	GG	CC	1940481246
SNP_P1_220704_15698	NW_004516429.1	Scaffold1145	15698	AA	GG	1940481247
SNP_P1_220705_15712	NW_004516429.1	Scaffold1145	15712	AA	TT	1940481248
SNP_P1_220707_16045	NW_004516429.1	Scaffold1145	16045	CC	GG	1940481249

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220710_16252	NW_004516429.1	Scaffold1145	16252	TT	CC	1940481252
SNP_P1_220712_16393	NW_004516429.1	Scaffold1145	16393	AA	TT	1940481253
SNP_P1_220713_16413	NW_004516429.1	Scaffold1145	16413	AA	TT	1940481254
SNP_P1_220714_16523	NW_004516429.1	Scaffold1145	16523	CC	TT	1940481255
SNP_P1_220715_16534	NW_004516429.1	Scaffold1145	16534	AA	CC	1940481256
SNP_P1_220716_16573	NW_004516429.1	Scaffold1145	16573	CC	TT	1940481257
SNP_P1_220717_16576	NW_004516429.1	Scaffold1145	16576	CC	TT	1940481258
SNP_P1_220718_16597	NW_004516429.1	Scaffold1145	16597	AA	GG	1940481259
SNP_P1_220720_17143	NW_004516429.1	Scaffold1145	17143	AA	GG	1940481260
SNP_P1_220721_17418	NW_004516429.1	Scaffold1145	17418	TT	AA	1940481261
SNP_P1_220722_17636	NW_004516429.1	Scaffold1145	17636	GG	AA	1940481262
SNP_P1_220723_17670	NW_004516429.1	Scaffold1145	17670	AA	GG	1940481263
SNP_P1_220724_17673	NW_004516429.1	Scaffold1145	17673	TT	CC	1940481264
SNP_P1_220725_17690	NW_004516429.1	Scaffold1145	17690	TT	CC	1940481265
SNP_P1_220726_26375	NW_004516429.1	Scaffold1145	26375	GG	AA	1940481266
SNP_P1_220727_26522	NW_004516429.1	Scaffold1145	26522	CC	TT	1940481267
SNP_P1_220728_26849	NW_004516429.1	Scaffold1145	26849	AA	GG	1940481268
SNP_P1_220731_31589	NW_004516429.1	Scaffold1145	31589	TT	AA	1940481269
SNP_P1_220732_39729	NW_004516429.1	Scaffold1145	39729	GG	AA	1940481270
SNP_P1_220733_56962	NW_004516429.1	Scaffold1145	56962	AA	CC	1940481271
SNP_P1_220734_56965	NW_004516429.1	Scaffold1145	56965	TT	GG	1940481272
SNP_P1_220735_56978	NW_004516429.1	Scaffold1145	56978	GG	TT	1940481273
SNP_P1_220736_60274	NW_004516429.1	Scaffold1145	60274	AA	TT	1940481274
SNP_P1_220738_68293	NW_004516429.1	Scaffold1145	68293	GG	AA	1940481275
SNP_P1_220739_75280	NW_004516429.1	Scaffold1145	75280	TT	CC	1940481276
SNP_P1_220740_75325	NW_004516429.1	Scaffold1145	75325	TT	CC	1940481277
SNP_P1_220741_76186	NW_004516429.1	Scaffold1145	76186	TT	CC	1940481278
SNP_P1_220742_81439	NW_004516429.1	Scaffold1145	81439	TT	CC	1940481279
SNP_P1_220743_81510	NW_004516429.1	Scaffold1145	81510	TT	GG	1940481280
SNP_P1_220744_81531	NW_004516429.1	Scaffold1145	81531	TT	GG	1940481281
SNP_P1_220746_100086	NW_004516429.1	Scaffold1145	100086	GG	AA	1940481282
SNP_P1_220747_100143	NW_004516429.1	Scaffold1145	100143	GG	AA	1940481283
SNP_P1_220748_100412	NW_004516429.1	Scaffold1145	100412	AA	CC	1940481284
SNP_P1_220749_100620	NW_004516429.1	Scaffold1145	100620	TT	CC	1940481285
SNP_P1_220750_101105	NW_004516429.1	Scaffold1145	101105	CC	TT	1940481286
SNP_P1_220751_7756	NW_004516430.1	Scaffold1147	7756	CC	TT	1940481287
SNP_P1_220752_8014	NW_004516430.1	Scaffold1147	8014	AA	TT	1940481288
SNP_P1_220753_8032	NW_004516430.1	Scaffold1147	8032	AA	GG	1940481289
SNP_P1_220754_8047	NW_004516430.1	Scaffold1147	8047	GG	AA	1940481290
SNP_P1_220755_8255	NW_004516430.1	Scaffold1147	8255	TT	CC	1940481291

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220758_28094	NW_004516430.1	Scaffold1147	28094	CC	AA	1940481294
SNP_P1_220759_28118	NW_004516430.1	Scaffold1147	28118	AA	GG	1940481295
SNP_P1_220760_28477	NW_004516430.1	Scaffold1147	28477	CC	TT	1940481296
SNP_P1_220761_29516	NW_004516430.1	Scaffold1147	29516	TT	GG	1940481297
SNP_P1_220762_796	NW_004516433.1	Scaffold1150	796	CC	TT	1940481298
SNP_P1_220763_849	NW_004516433.1	Scaffold1150	849	CC	AA	1940481299
SNP_P1_220764_911	NW_004516433.1	Scaffold1150	911	CC	AA	1940481300
SNP_P1_220765_1169	NW_004516433.1	Scaffold1150	1169	AA	CC	1940481301
SNP_P1_220766_1195	NW_004516433.1	Scaffold1150	1195	AA	GG	1940481302
SNP_P1_220767_1236	NW_004516433.1	Scaffold1150	1236	TT	CC	1940481303
SNP_P1_220768_18772	NW_004516434.1	Scaffold1151	18772	TT	AA	1940481304
SNP_P1_220770_19827	NW_004516434.1	Scaffold1151	19827	AA	TT	1940481305
SNP_P1_220771_19855	NW_004516434.1	Scaffold1151	19855	CC	TT	1940481306
SNP_P1_220772_20193	NW_004516434.1	Scaffold1151	20193	TT	CC	1940481307
SNP_P1_220773_20231	NW_004516434.1	Scaffold1151	20231	CC	TT	1940481308
SNP_P1_220774_20255	NW_004516434.1	Scaffold1151	20255	TT	CC	1940481309
SNP_P1_220775_20269	NW_004516434.1	Scaffold1151	20269	TT	GG	1940481310
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SNP_P1_220781_160236	NW_004516434.1	Scaffold1151	160236	TT	AA	1940481316
SNP_P1_220782_161631	NW_004516434.1	Scaffold1151	161631	CC	TT	1940481317
SNP_P1_220783_169144	NW_004516434.1	Scaffold1151	169144	AA	TT	1940481318
SNP_P1_220784_169616	NW_004516434.1	Scaffold1151	169616	GG	AA	1940481319
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SNP_P1_220788_175655	NW_004516434.1	Scaffold1151	175655	GG	AA	1940481322
SNP_P1_220789_190145	NW_004516434.1	Scaffold1151	190145	CC	TT	1940481323
SNP_P1_220790_197531	NW_004516434.1	Scaffold1151	197531	CC	TT	1940481324
SNP_P1_220791_197557	NW_004516434.1	Scaffold1151	197557	CC	TT	1940481325
SNP_P1_220792_197559	NW_004516434.1	Scaffold1151	197559	CC	GG	1940481326
SNP_P1_220795_279866	NW_004516434.1	Scaffold1151	279866	CC	AA	1940481327
SNP_P1_220796_279877	NW_004516434.1	Scaffold1151	279877	AA	GG	1940481328
SNP_P1_220797_279888	NW_004516434.1	Scaffold1151	279888	GG	AA	1940481329
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SNP_P1_220799_279904	NW_004516434.1	Scaffold1151	279904	AA	GG	1940481331
SNP_P1_220800_279919	NW_004516434.1	Scaffold1151	279919	CC	TT	1940481332
SNP_P1_220801_279931	NW_004516434.1	Scaffold1151	279931	AA	CC	1940481333

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220804_280116	NW_004516434.1	Scaffold1151	280116	AA	GG	1940481336
SNP_P1_220805_280162	NW_004516434.1	Scaffold1151	280162	GG	AA	1940481337
SNP_P1_220806_280163	NW_004516434.1	Scaffold1151	280163	GG	AA	1940481338
SNP_P1_220807_280239	NW_004516434.1	Scaffold1151	280239	TT	CC	1940481339
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SNP_P1_220811_281424	NW_004516434.1	Scaffold1151	281424	AA	CC	1940481343
SNP_P1_220812_5254	NW_004516435.1	Scaffold1152	5254	GG	AA	1940481344
SNP_P1_220813_9866	NW_004516435.1	Scaffold1152	9866	TT	GG	1940481345
SNP_P1_220814_12647	NW_004516435.1	Scaffold1152	12647	TT	GG	1940481346
SNP_P1_220815_13339	NW_004516435.1	Scaffold1152	13339	GG	CC	1940481347
SNP_P1_220817_22717	NW_004516435.1	Scaffold1152	22717	GG	AA	1940481349
SNP_P1_220818_32625	NW_004516435.1	Scaffold1152	32625	AA	CC	1940481350
SNP_P1_220819_32629	NW_004516435.1	Scaffold1152	32629	AA	GG	1940481351
SNP_P1_220820_32654	NW_004516435.1	Scaffold1152	32654	AA	TT	1940481352
SNP_P1_220821_32779	NW_004516435.1	Scaffold1152	32779	TT	CC	1940481353
SNP_P1_220822_32814	NW_004516435.1	Scaffold1152	32814	AA	TT	1940481354
SNP_P1_220823_32835	NW_004516435.1	Scaffold1152	32835	AA	CC	1940481355
SNP_P1_220824_33084	NW_004516435.1	Scaffold1152	33084	TT	GG	1940481356
SNP_P1_220825_33129	NW_004516435.1	Scaffold1152	33129	AA	GG	1940481357
SNP_P1_220826_36519	NW_004516435.1	Scaffold1152	36519	AA	GG	1940481358
SNP_P1_220827_38951	NW_004516435.1	Scaffold1152	38951	TT	CC	1940481359
SNP_P1_220828_41832	NW_004516435.1	Scaffold1152	41832	GG	TT	1940481360
SNP_P1_220829_46019	NW_004516435.1	Scaffold1152	46019	CC	TT	1940481361
SNP_P1_220830_46061	NW_004516435.1	Scaffold1152	46061	TT	CC	1940481362
SNP_P1_220831_46106	NW_004516435.1	Scaffold1152	46106	GG	AA	1940481363
SNP_P1_220832_47043	NW_004516435.1	Scaffold1152	47043	TT	CC	1940481364
SNP_P1_220833_70865	NW_004516435.1	Scaffold1152	70865	AA	GG	1940481365
SNP_P1_220834_70897	NW_004516435.1	Scaffold1152	70897	GG	AA	1940481366
SNP_P1_220835_70898	NW_004516435.1	Scaffold1152	70898	TT	CC	1940481367
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SNP_P1_220838_78051	NW_004516435.1	Scaffold1152	78051	AA	TT	1940481370
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SNP_P1_220840_78152	NW_004516435.1	Scaffold1152	78152	AA	TT	1940481372
SNP_P1_220841_78713	NW_004516435.1	Scaffold1152	78713	AA	TT	1940481373
SNP_P1_220842_92897	NW_004516435.1	Scaffold1152	92897	TT	GG	1940481374
SNP_P1_220843_92947	NW_004516435.1	Scaffold1152	92947	AA	CC	1940481375
SNP_P1_220844_92996	NW_004516435.1	Scaffold1152	92996	TT	AA	1940481376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220846_95854	NW_004516435.1	Scaffold1152	95854	AA	CC	1940481378
SNP_P1_220847_95860	NW_004516435.1	Scaffold1152	95860	GG	AA	1940481379
SNP_P1_220848_95878	NW_004516435.1	Scaffold1152	95878	CC	TT	1940481380
SNP_P1_220849_113191	NW_004516435.1	Scaffold1152	113191	AA	GG	1940481381
SNP_P1_220850_115273	NW_004516435.1	Scaffold1152	115273	CC	GG	1940481382
SNP_P1_220851_115279	NW_004516435.1	Scaffold1152	115279	TT	AA	1940481383
SNP_P1_220852_115352	NW_004516435.1	Scaffold1152	115352	CC	TT	1940481384
SNP_P1_220853_121100	NW_004516435.1	Scaffold1152	121100	CC	GG	1940481385
SNP_P1_220854_125704	NW_004516435.1	Scaffold1152	125704	AA	GG	1940481386
SNP_P1_220855_128213	NW_004516435.1	Scaffold1152	128213	AA	TT	1940481387
SNP_P1_220857_142699	NW_004516435.1	Scaffold1152	142699	CC	TT	1940481388
SNP_P1_220858_142702	NW_004516435.1	Scaffold1152	142702	GG	AA	1940481389
SNP_P1_220859_142714	NW_004516435.1	Scaffold1152	142714	TT	CC	1940481390
SNP_P1_220860_143804	NW_004516435.1	Scaffold1152	143804	TT	CC	1940481391
SNP_P1_220861_8234	NW_004516436.1	Scaffold1153	8234	TT	GG	1940481392
SNP_P1_220862_8242	NW_004516436.1	Scaffold1153	8242	TT	CC	1940481393
SNP_P1_220864_22819	NW_004516436.1	Scaffold1153	22819	AA	GG	1940481394
SNP_P1_220865_22821	NW_004516436.1	Scaffold1153	22821	GG	AA	1940481395
SNP_P1_220866_40874	NW_004516436.1	Scaffold1153	40874	AA	CC	1940481396
SNP_P1_220867_41280	NW_004516436.1	Scaffold1153	41280	GG	TT	1940481397
SNP_P1_220868_41975	NW_004516436.1	Scaffold1153	41975	TT	CC	1940481398
SNP_P1_220869_42188	NW_004516436.1	Scaffold1153	42188	GG	AA	1940481399
SNP_P1_220870_42194	NW_004516436.1	Scaffold1153	42194	TT	AA	1940481400
SNP_P1_220871_42198	NW_004516436.1	Scaffold1153	42198	TT	CC	1940481401
SNP_P1_220872_42215	NW_004516436.1	Scaffold1153	42215	CC	GG	1940481402
SNP_P1_220873_42217	NW_004516436.1	Scaffold1153	42217	TT	GG	1940481403
SNP_P1_220874_42338	NW_004516436.1	Scaffold1153	42338	GG	TT	1940481404
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SNP_P1_220880_61490	NW_004516436.1	Scaffold1153	61490	AA	TT	1940481410
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SNP_P1_220883_61792	NW_004516436.1	Scaffold1153	61792	TT	CC	1940481413
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SNP_P1_220886_107695	NW_004516436.1	Scaffold1153	107695	TT	GG	1940481415
SNP_P1_220887_108629	NW_004516436.1	Scaffold1153	108629	TT	CC	1940481416
SNP_P1_220888_108630	NW_004516436.1	Scaffold1153	108630	AA	GG	1940481417
SNP_P1_220889_117972	NW_004516436.1	Scaffold1153	117972	TT	AA	1940481418

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220891_128498	NW_004516436.1	Scaffold1153	128498	TT	AA	1940481420
SNP_P1_220892_95	NW_004516439.1	Scaffold1156	95	GG	AA	1940481421
SNP_P1_220893_158	NW_004516439.1	Scaffold1156	158	CC	AA	1940481422
SNP_P1_220894_186	NW_004516439.1	Scaffold1156	186	TT	GG	1940481423
SNP_P1_220895_507	NW_004516439.1	Scaffold1156	507	TT	CC	1940481424
SNP_P1_220896_628	NW_004516439.1	Scaffold1156	628	TT	CC	1940481425
SNP_P1_220897_1482	NW_004516439.1	Scaffold1156	1482	AA	GG	1940481426
SNP_P1_220898_1649	NW_004516439.1	Scaffold1156	1649	AA	GG	1940481427
SNP_P1_220899_1691	NW_004516439.1	Scaffold1156	1691	GG	AA	1940481428
SNP_P1_220900_1695	NW_004516439.1	Scaffold1156	1695	TT	CC	1940481429
SNP_P1_220901_1713	NW_004516439.1	Scaffold1156	1713	GG	AA	1940481430
SNP_P1_220902_2679	NW_004516439.1	Scaffold1156	2679	AA	CC	1940481431
SNP_P1_220903_2901	NW_004516439.1	Scaffold1156	2901	AA	CC	1940481432
SNP_P1_220904_3022	NW_004516439.1	Scaffold1156	3022	GG	TT	1940481433
SNP_P1_220905_3023	NW_004516439.1	Scaffold1156	3023	TT	AA	1940481434
SNP_P1_220906_3051	NW_004516439.1	Scaffold1156	3051	AA	GG	1940481435
SNP_P1_220907_3064	NW_004516439.1	Scaffold1156	3064	TT	CC	1940481436
SNP_P1_220908_3065	NW_004516439.1	Scaffold1156	3065	GG	TT	1940481437
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SNP_P1_220910_3131	NW_004516439.1	Scaffold1156	3131	TT	CC	1940481439
SNP_P1_220911_3225	NW_004516439.1	Scaffold1156	3225	AA	TT	1940481440
SNP_P1_220912_3250	NW_004516439.1	Scaffold1156	3250	TT	AA	1940481441
SNP_P1_220913_3291	NW_004516439.1	Scaffold1156	3291	CC	TT	1940481442
SNP_P1_220914_3353	NW_004516439.1	Scaffold1156	3353	CC	TT	1940481443
SNP_P1_220915_3354	NW_004516439.1	Scaffold1156	3354	TT	CC	1940481444
SNP_P1_220916_3365	NW_004516439.1	Scaffold1156	3365	AA	TT	1940481445
SNP_P1_220917_3398	NW_004516439.1	Scaffold1156	3398	TT	AA	1940481446
SNP_P1_220918_87	NW_004516441.1	Scaffold1158	87	CC	TT	1940481447
SNP_P1_220919_186	NW_004516441.1	Scaffold1158	186	TT	GG	1940481448
SNP_P1_220920_199	NW_004516441.1	Scaffold1158	199	CC	TT	1940481449
SNP_P1_220921_231	NW_004516441.1	Scaffold1158	231	TT	CC	1940481450
SNP_P1_220922_273	NW_004516441.1	Scaffold1158	273	AA	CC	1940481451
SNP_P1_220923_289	NW_004516441.1	Scaffold1158	289	AA	CC	1940481452
SNP_P1_220924_291	NW_004516441.1	Scaffold1158	291	GG	TT	1940481453
SNP_P1_220925_743	NW_004516441.1	Scaffold1158	743	CC	AA	1940481454
SNP_P1_220926_5169	NW_004516441.1	Scaffold1158	5169	TT	GG	1940481455
SNP_P1_220927_5250	NW_004516441.1	Scaffold1158	5250	CC	TT	1940481456
SNP_P1_220928_5274	NW_004516441.1	Scaffold1158	5274	CC	TT	1940481457
SNP_P1_220930_27488	NW_004516442.1	Scaffold1159	27488	AA	CC	1940481458
SNP_P1_220931_27549	NW_004516442.1	Scaffold1159	27549	GG	CC	1940481459
SNP_P1_220932_27561	NW_004516442.1	Scaffold1159	27561	AA	GG	1940481460

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220934_2631	NW_004516443.1	Scaffold1161	2631	GG	TT	1940481462
SNP_P1_220935_5163	NW_004516443.1	Scaffold1161	5163	TT	GG	1940481463
SNP_P1_220936_9389	NW_004516443.1	Scaffold1161	9389	AA	GG	1940481464
SNP_P1_220937_12175	NW_004516443.1	Scaffold1161	12175	TT	CC	1940481465
SNP_P1_220938_12188	NW_004516443.1	Scaffold1161	12188	AA	TT	1940481466
SNP_P1_220939_12326	NW_004516443.1	Scaffold1161	12326	AA	GG	1940481467
SNP_P1_220940_12343	NW_004516443.1	Scaffold1161	12343	TT	CC	1940481468
SNP_P1_220941_12361	NW_004516443.1	Scaffold1161	12361	GG	AA	1940481469
SNP_P1_220942_12557	NW_004516443.1	Scaffold1161	12557	AA	TT	1940481470
SNP_P1_220943_12561	NW_004516443.1	Scaffold1161	12561	GG	TT	1940481471
SNP_P1_220944_12604	NW_004516443.1	Scaffold1161	12604	GG	TT	1940481472
SNP_P1_220945_12691	NW_004516443.1	Scaffold1161	12691	AA	TT	1940481473
SNP_P1_220946_12735	NW_004516443.1	Scaffold1161	12735	TT	AA	1940481474
SNP_P1_220947_12737	NW_004516443.1	Scaffold1161	12737	CC	GG	1940481475
SNP_P1_220949_12889	NW_004516443.1	Scaffold1161	12889	AA	TT	1940481476
SNP_P1_220950_12890	NW_004516443.1	Scaffold1161	12890	TT	AA	1940481477
SNP_P1_220951_12914	NW_004516443.1	Scaffold1161	12914	TT	CC	1940481478
SNP_P1_220952_12937	NW_004516443.1	Scaffold1161	12937	CC	TT	1940481479
SNP_P1_220953_12960	NW_004516443.1	Scaffold1161	12960	AA	GG	1940481480
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SNP_P1_220955_13016	NW_004516443.1	Scaffold1161	13016	TT	AA	1940481482
SNP_P1_220956_13018	NW_004516443.1	Scaffold1161	13018	AA	GG	1940481483
SNP_P1_220957_759	NW_004516445.1	Scaffold1164	759	GG	TT	1940481484
SNP_P1_220958_769	NW_004516445.1	Scaffold1164	769	CC	AA	1940481485
SNP_P1_220959_980	NW_004516446.1	Scaffold1165	980	TT	GG	1940481486
SNP_P1_220962_18254	NW_004516447.1	Scaffold1166	18254	CC	AA	1940481487
SNP_P1_220963_20781	NW_004516447.1	Scaffold1166	20781	TT	CC	1940481488
SNP_P1_220964_20791	NW_004516447.1	Scaffold1166	20791	CC	GG	1940481489
SNP_P1_220966_45800	NW_004516447.1	Scaffold1166	45800	AA	GG	1940481490
SNP_P1_220967_46339	NW_004516447.1	Scaffold1166	46339	CC	AA	1940481491
SNP_P1_220968_47007	NW_004516447.1	Scaffold1166	47007	AA	CC	1940481492
SNP_P1_220969_47658	NW_004516447.1	Scaffold1166	47658	AA	GG	1940481493
SNP_P1_220970_47823	NW_004516447.1	Scaffold1166	47823	AA	GG	1940481494
SNP_P1_220972_47907	NW_004516447.1	Scaffold1166	47907	GG	AA	1940481495
SNP_P1_220973_48085	NW_004516447.1	Scaffold1166	48085	CC	AA	1940481496
SNP_P1_220974_48116	NW_004516447.1	Scaffold1166	48116	AA	TT	1940481497
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SNP_P1_220976_48153	NW_004516447.1	Scaffold1166	48153	GG	AA	1940481499
SNP_P1_220977_48184	NW_004516447.1	Scaffold1166	48184	TT	CC	1940481500
SNP_P1_220978_1064	NW_004516450.1	Scaffold1172	1064	GG	AA	1940481501
SNP_P1_220979_1094	NW_004516450.1	Scaffold1172	1094	TT	AA	1940481502

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_220982_107	NW_004516452.1	Scaffold1174	107	GG	AA	1940481505
SNP_P1_220983_108	NW_004516452.1	Scaffold1174	108	AA	TT	1940481506
SNP_P1_220984_274	NW_004516452.1	Scaffold1174	274	CC	GG	1940481508
SNP_P1_220985_741	NW_004516452.1	Scaffold1174	741	TT	GG	1940481509
SNP_P1_220986_809	NW_004516452.1	Scaffold1174	809	TT	AA	1940481510
SNP_P1_220987_1058	NW_004516452.1	Scaffold1174	1058	CC	AA	1940481511
SNP_P1_220988_1066	NW_004516452.1	Scaffold1174	1066	TT	CC	1940481512
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SNP_P1_220992_1623	NW_004516452.1	Scaffold1174	1623	GG	AA	1940481516
SNP_P1_220993_1706	NW_004516452.1	Scaffold1174	1706	CC	AA	1940481517
SNP_P1_220994_1808	NW_004516452.1	Scaffold1174	1808	AA	TT	1940481518
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SNP_P1_221009_17407	NW_004516452.1	Scaffold1174	17407	GG	AA	1940481533
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SNP_P1_221011_21307	NW_004516452.1	Scaffold1174	21307	GG	TT	1940481535
SNP_P1_221012_21378	NW_004516452.1	Scaffold1174	21378	GG	TT	1940481536
SNP_P1_221013_21661	NW_004516452.1	Scaffold1174	21661	CC	AA	1940481537
SNP_P1_221014_22794	NW_004516452.1	Scaffold1174	22794	GG	AA	1940481538
SNP_P1_221015_22798	NW_004516452.1	Scaffold1174	22798	AA	TT	1940481539
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SNP_P1_221017_22877	NW_004516452.1	Scaffold1174	22877	GG	AA	1940481541
SNP_P1_221018_22913	NW_004516452.1	Scaffold1174	22913	GG	AA	1940481542
SNP_P1_221019_22973	NW_004516452.1	Scaffold1174	22973	TT	GG	1940481543
SNP_P1_221020_22976	NW_004516452.1	Scaffold1174	22976	CC	AA	1940481544
SNP_P1_221021_22981	NW_004516452.1	Scaffold1174	22981	TT	CC	1940481545

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221024_22998	NW_004516452.1	Scaffold1174	22998	AA	CC	1940481548
SNP_P1_221025_23002	NW_004516452.1	Scaffold1174	23002	TT	CC	1940481549
SNP_P1_221027_23064	NW_004516452.1	Scaffold1174	23064	AA	GG	1940481550
SNP_P1_221028_23115	NW_004516452.1	Scaffold1174	23115	GG	AA	1940481551
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SNP_P1_221033_25186	NW_004516452.1	Scaffold1174	25186	TT	AA	1940481555
SNP_P1_221034_138	NW_004516453.1	Scaffold1175	138	GG	AA	1940481556
SNP_P1_221035_145	NW_004516453.1	Scaffold1175	145	CC	TT	1940481557
SNP_P1_221036_150	NW_004516453.1	Scaffold1175	150	AA	GG	1940481558
SNP_P1_221037_167	NW_004516453.1	Scaffold1175	167	TT	CC	1940481559
SNP_P1_221038_168	NW_004516453.1	Scaffold1175	168	AA	TT	1940481560
SNP_P1_221039_191	NW_004516453.1	Scaffold1175	191	GG	TT	1940481561
SNP_P1_221040_277	NW_004516453.1	Scaffold1175	277	GG	AA	1940481562
SNP_P1_221041_306	NW_004516453.1	Scaffold1175	306	CC	TT	1940481563
SNP_P1_221042_363	NW_004516453.1	Scaffold1175	363	AA	TT	1940481564
SNP_P1_221043_376	NW_004516453.1	Scaffold1175	376	TT	GG	1940481565
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SNP_P1_221047_802	NW_004516453.1	Scaffold1175	802	TT	CC	1940481569
SNP_P1_221048_867	NW_004516453.1	Scaffold1175	867	TT	CC	1940481570
SNP_P1_221049_3407	NW_004516453.1	Scaffold1175	3407	TT	CC	1940481571
SNP_P1_221050_3465	NW_004516453.1	Scaffold1175	3465	CC	GG	1940481572
SNP_P1_221051_3530	NW_004516453.1	Scaffold1175	3530	AA	TT	1940481573
SNP_P1_221052_3532	NW_004516453.1	Scaffold1175	3532	CC	TT	1940481574
SNP_P1_221053_3571	NW_004516453.1	Scaffold1175	3571	GG	AA	1940481575
SNP_P1_221054_5401	NW_004516453.1	Scaffold1175	5401	AA	GG	1940481576
SNP_P1_221055_5403	NW_004516453.1	Scaffold1175	5403	TT	AA	1940481577
SNP_P1_221056_7916	NW_004516453.1	Scaffold1175	7916	TT	CC	1940481578
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SNP_P1_221060_37110	NW_004516454.1	Scaffold1176_2	37110	TT	GG	1940481580
SNP_P1_221061_37121	NW_004516454.1	Scaffold1176_2	37121	TT	CC	1940481581
SNP_P1_221062_51006	NW_004516454.1	Scaffold1176_2	51006	CC	TT	1940481582
SNP_P1_221063_51697	NW_004516454.1	Scaffold1176_2	51697	AA	CC	1940481583
SNP_P1_221064_57721	NW_004516454.1	Scaffold1176_2	57721	AA	CC	1940481584
SNP_P1_221065_58073	NW_004516454.1	Scaffold1176_2	58073	TT	GG	1940481585
SNP_P1_221066_58302	NW_004516454.1	Scaffold1176_2	58302	CC	TT	1940481586
SNP_P1_221068_72127	NW_004516454.1	Scaffold1176_2	72127	TT	AA	1940481587

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221073_196041	NW_004516454.1	Scaffold1176_2	196041	AA	TT	1940481590
SNP_P1_221074_196284	NW_004516454.1	Scaffold1176_2	196284	TT	AA	1940481591
SNP_P1_221075_196313	NW_004516454.1	Scaffold1176_2	196313	AA	CC	1940481592
SNP_P1_221076_196314	NW_004516454.1	Scaffold1176_2	196314	AA	GG	1940481593
SNP_P1_221077_196334	NW_004516454.1	Scaffold1176_2	196334	CC	AA	1940481594
SNP_P1_221078_196383	NW_004516454.1	Scaffold1176_2	196383	AA	GG	1940481595
SNP_P1_221080_196468	NW_004516454.1	Scaffold1176_2	196468	GG	AA	1940481596
SNP_P1_221081_196506	NW_004516454.1	Scaffold1176_2	196506	CC	AA	1940481597
SNP_P1_221082_196623	NW_004516454.1	Scaffold1176_2	196623	TT	CC	1940481598
SNP_P1_221083_196655	NW_004516454.1	Scaffold1176_2	196655	TT	CC	1940481599
SNP_P1_221084_196676	NW_004516454.1	Scaffold1176_2	196676	CC	GG	1940481600
SNP_P1_221085_196708	NW_004516454.1	Scaffold1176_2	196708	TT	AA	1940481601
SNP_P1_221086_232422	NW_004516454.1	Scaffold1176_2	232422	CC	TT	1940481602
SNP_P1_221087_237547	NW_004516454.1	Scaffold1176_2	237547	GG	AA	1940481603
SNP_P1_221088_237788	NW_004516454.1	Scaffold1176_2	237788	TT	GG	1940481604
SNP_P1_221089_237818	NW_004516454.1	Scaffold1176_2	237818	AA	GG	1940481605
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SNP_P1_221104_351861	NW_004516454.1	Scaffold1176_2	351861	TT	AA	1940481618
SNP_P1_221105_354359	NW_004516454.1	Scaffold1176_2	354359	CC	TT	1940481619
SNP_P1_221106_359053	NW_004516454.1	Scaffold1176_2	359053	TT	CC	1940481620
SNP_P1_221107_359554	NW_004516454.1	Scaffold1176_2	359554	AA	GG	1940481621
SNP_P1_221108_719	NW_004516455.1	Scaffold1177	719	AA	GG	1940481622
SNP_P1_221109_1709	NW_004516456.1	Scaffold1178	1709	GG	TT	1940481623
SNP_P1_221111_1879	NW_004516456.1	Scaffold1178	1879	GG	TT	1940481624
SNP_P1_221112_1898	NW_004516456.1	Scaffold1178	1898	CC	AA	1940481625
SNP_P1_221113_1899	NW_004516456.1	Scaffold1178	1899	CC	TT	1940481626
SNP_P1_221114_1935	NW_004516456.1	Scaffold1178	1935	TT	CC	1940481627
SNP_P1_221115_1946	NW_004516456.1	Scaffold1178	1946	CC	TT	1940481628
SNP_P1_221116_1956	NW_004516456.1	Scaffold1178	1956	GG	AA	1940481629

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221119_2180	NW_004516456.1	Scaffold1178	2180	AA	GG	1940481632
SNP_P1_221120_2198	NW_004516456.1	Scaffold1178	2198	AA	TT	1940481633
SNP_P1_221121_2199	NW_004516456.1	Scaffold1178	2199	TT	GG	1940481634
SNP_P1_221122_2249	NW_004516456.1	Scaffold1178	2249	CC	TT	1940481635
SNP_P1_221123_6725	NW_004516456.1	Scaffold1178	6725	TT	AA	1940481636
SNP_P1_221124_6747	NW_004516456.1	Scaffold1178	6747	AA	GG	1940481637
SNP_P1_221125_6765	NW_004516456.1	Scaffold1178	6765	AA	GG	1940481638
SNP_P1_221126_1371	NW_004516457.1	Scaffold1179	1371	TT	GG	1940481639
SNP_P1_221128_226	NW_004516458.1	Scaffold1180	226	TT	AA	1940481640
SNP_P1_221129_266	NW_004516458.1	Scaffold1180	266	TT	CC	1940481641
SNP_P1_221130_320	NW_004516458.1	Scaffold1180	320	GG	AA	1940481642
SNP_P1_221131_439	NW_004516458.1	Scaffold1180	439	GG	AA	1940481643
SNP_P1_221132_773	NW_004516458.1	Scaffold1180	773	GG	TT	1940481644
SNP_P1_221133_2507	NW_004516458.1	Scaffold1180	2507	CC	TT	1940481645
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SNP_P1_221135_2577	NW_004516458.1	Scaffold1180	2577	GG	AA	1940481647
SNP_P1_221137_2632	NW_004516458.1	Scaffold1180	2632	CC	TT	1940481648
SNP_P1_221138_2647	NW_004516458.1	Scaffold1180	2647	CC	TT	1940481649
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SNP_P1_221143_2786	NW_004516458.1	Scaffold1180	2786	GG	AA	1940481654
SNP_P1_221144_2787	NW_004516458.1	Scaffold1180	2787	GG	CC	1940481655
SNP_P1_221145_2833	NW_004516458.1	Scaffold1180	2833	CC	GG	1940481656
SNP_P1_221146_2855	NW_004516458.1	Scaffold1180	2855	CC	AA	1940481657
SNP_P1_221147_2856	NW_004516458.1	Scaffold1180	2856	GG	AA	1940481658
SNP_P1_221149_2927	NW_004516458.1	Scaffold1180	2927	CC	AA	1940481659
SNP_P1_221150_2954	NW_004516458.1	Scaffold1180	2954	TT	GG	1940481660
SNP_P1_221151_2959	NW_004516458.1	Scaffold1180	2959	CC	TT	1940481662
SNP_P1_221152_2964	NW_004516458.1	Scaffold1180	2964	AA	GG	1940481663
SNP_P1_221153_2968	NW_004516458.1	Scaffold1180	2968	CC	AA	1940481664
SNP_P1_221154_3087	NW_004516458.1	Scaffold1180	3087	GG	AA	1940481665
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SNP_P1_221156_3132	NW_004516458.1	Scaffold1180	3132	CC	TT	1940481667
SNP_P1_221157_3184	NW_004516458.1	Scaffold1180	3184	AA	CC	1940481668
SNP_P1_221158_3216	NW_004516458.1	Scaffold1180	3216	CC	TT	1940481669
SNP_P1_221159_3237	NW_004516458.1	Scaffold1180	3237	GG	TT	1940481670
SNP_P1_221160_3240	NW_004516458.1	Scaffold1180	3240	GG	TT	1940481671
SNP_P1_221161_3253	NW_004516458.1	Scaffold1180	3253	CC	TT	1940481672

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221165_3329	NW_004516458.1	Scaffold1180	3329	TT	CC	1940481675
SNP_P1_221166_3357	NW_004516458.1	Scaffold1180	3357	CC	TT	1940481676
SNP_P1_221167_3395	NW_004516458.1	Scaffold1180	3395	AA	GG	1940481677
SNP_P1_221168_3400	NW_004516458.1	Scaffold1180	3400	CC	GG	1940481678
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SNP_P1_221171_3465	NW_004516458.1	Scaffold1180	3465	GG	AA	1940481681
SNP_P1_221172_3472	NW_004516458.1	Scaffold1180	3472	GG	TT	1940481682
SNP_P1_221173_3478	NW_004516458.1	Scaffold1180	3478	CC	TT	1940481683
SNP_P1_221174_3509	NW_004516458.1	Scaffold1180	3509	GG	AA	1940481684
SNP_P1_221175_3512	NW_004516458.1	Scaffold1180	3512	CC	TT	1940481685
SNP_P1_221176_3576	NW_004516458.1	Scaffold1180	3576	AA	GG	1940481686
SNP_P1_221177_3580	NW_004516458.1	Scaffold1180	3580	CC	TT	1940481687
SNP_P1_221178_3665	NW_004516458.1	Scaffold1180	3665	TT	CC	1940481688
SNP_P1_221180_3756	NW_004516458.1	Scaffold1180	3756	AA	TT	1940481689
SNP_P1_221181_3820	NW_004516458.1	Scaffold1180	3820	TT	CC	1940481690
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SNP_P1_221196_11635	NW_004516458.1	Scaffold1180	11635	AA	GG	1940481705
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SNP_P1_221203_36987	NW_004516458.1	Scaffold1180	36987	GG	AA	1940481710
SNP_P1_221205_44134	NW_004516458.1	Scaffold1180	44134	AA	CC	1940481711
SNP_P1_221206_44138	NW_004516458.1	Scaffold1180	44138	AA	GG	1940481712
SNP_P1_221207_44153	NW_004516458.1	Scaffold1180	44153	AA	CC	1940481713
SNP_P1_221208_44923	NW_004516458.1	Scaffold1180	44923	TT	CC	1940481714

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221211_45359	NW_004516458.1	Scaffold1180	45359	TT	CC	1940481717
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SNP_P1_221215_51852	NW_004516458.1	Scaffold1180	51852	TT	CC	1940481720
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SNP_P1_221221_59702	NW_004516458.1	Scaffold1180	59702	GG	AA	1940481726
SNP_P1_221222_59723	NW_004516458.1	Scaffold1180	59723	TT	CC	1940481727
SNP_P1_221223_59728	NW_004516458.1	Scaffold1180	59728	GG	AA	1940481728
SNP_P1_221224_59729	NW_004516458.1	Scaffold1180	59729	CC	AA	1940481729
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SNP_P1_221228_60232	NW_004516458.1	Scaffold1180	60232	AA	GG	1940481733
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SNP_P1_221248_80602	NW_004516458.1	Scaffold1180	80602	TT	CC	1940481753
SNP_P1_221249_81274	NW_004516458.1	Scaffold1180	81274	TT	CC	1940481754
SNP_P1_221250_81275	NW_004516458.1	Scaffold1180	81275	GG	TT	1940481755
SNP_P1_221251_81295	NW_004516458.1	Scaffold1180	81295	AA	TT	1940481756

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221256_83158	NW_004516458.1	Scaffold1180	83158	TT	GG	1940481760
SNP_P1_221257_85328	NW_004516458.1	Scaffold1180	85328	AA	GG	1940481761
SNP_P1_221258_85339	NW_004516458.1	Scaffold1180	85339	AA	GG	1940481762
SNP_P1_221259_88252	NW_004516458.1	Scaffold1180	88252	CC	TT	1940481763
SNP_P1_221260_88476	NW_004516458.1	Scaffold1180	88476	CC	TT	1940481764
SNP_P1_221261_90872	NW_004516458.1	Scaffold1180	90872	TT	CC	1940481765
SNP_P1_221262_93114	NW_004516458.1	Scaffold1180	93114	TT	CC	1940481766
SNP_P1_221263_93135	NW_004516458.1	Scaffold1180	93135	AA	GG	1940481767
SNP_P1_221264_93144	NW_004516458.1	Scaffold1180	93144	AA	GG	1940481768
SNP_P1_221265_93171	NW_004516458.1	Scaffold1180	93171	CC	TT	1940481769
SNP_P1_221266_93173	NW_004516458.1	Scaffold1180	93173	GG	AA	1940481770
SNP_P1_221267_93180	NW_004516458.1	Scaffold1180	93180	AA	CC	1940481771
SNP_P1_221268_93182	NW_004516458.1	Scaffold1180	93182	AA	CC	1940481772
SNP_P1_221269_93222	NW_004516458.1	Scaffold1180	93222	AA	GG	1940481773
SNP_P1_221270_93255	NW_004516458.1	Scaffold1180	93255	GG	AA	1940481774
SNP_P1_221271_93276	NW_004516458.1	Scaffold1180	93276	AA	GG	1940481775
SNP_P1_221272_93279	NW_004516458.1	Scaffold1180	93279	GG	AA	1940481776
SNP_P1_221273_93280	NW_004516458.1	Scaffold1180	93280	AA	GG	1940481777
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SNP_P1_221276_93309	NW_004516458.1	Scaffold1180	93309	GG	AA	1940481780
SNP_P1_221277_93313	NW_004516458.1	Scaffold1180	93313	TT	CC	1940481781
SNP_P1_221278_98448	NW_004516458.1	Scaffold1180	98448	CC	TT	1940481782
SNP_P1_221279_98500	NW_004516458.1	Scaffold1180	98500	TT	AA	1940481783
SNP_P1_221281_109414	NW_004516458.1	Scaffold1180	109414	AA	TT	1940481784
SNP_P1_221282_110084	NW_004516458.1	Scaffold1180	110084	AA	TT	1940481785
SNP_P1_221285_118499	NW_004516458.1	Scaffold1180	118499	AA	TT	1940481786
SNP_P1_221287_124243	NW_004516458.1	Scaffold1180	124243	TT	CC	1940481787
SNP_P1_221288_124434	NW_004516458.1	Scaffold1180	124434	CC	TT	1940481788
SNP_P1_221289_124566	NW_004516458.1	Scaffold1180	124566	CC	GG	1940481789
SNP_P1_221290_129135	NW_004516458.1	Scaffold1180	129135	CC	AA	1940481790
SNP_P1_221291_130415	NW_004516458.1	Scaffold1180	130415	GG	AA	1940481791
SNP_P1_221292_134426	NW_004516458.1	Scaffold1180	134426	AA	TT	1940481792
SNP_P1_221293_134446	NW_004516458.1	Scaffold1180	134446	CC	TT	1940481793
SNP_P1_221294_134695	NW_004516458.1	Scaffold1180	134695	GG	TT	1940481794
SNP_P1_221295_134696	NW_004516458.1	Scaffold1180	134696	GG	CC	1940481795
SNP_P1_221296_134711	NW_004516458.1	Scaffold1180	134711	GG	AA	1940481796
SNP_P1_221297_134734	NW_004516458.1	Scaffold1180	134734	GG	CC	1940481797
SNP_P1_221298_134791	NW_004516458.1	Scaffold1180	134791	AA	GG	1940481798

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221300_134853	NW_004516458.1	Scaffold1180	134853	AA	GG	1940481800
SNP_P1_221301_135135	NW_004516458.1	Scaffold1180	135135	AA	GG	1940481801
SNP_P1_221302_135177	NW_004516458.1	Scaffold1180	135177	CC	TT	1940481802
SNP_P1_221304_136044	NW_004516458.1	Scaffold1180	136044	CC	AA	1940481804
SNP_P1_221305_136048	NW_004516458.1	Scaffold1180	136048	AA	GG	1940481805
SNP_P1_221306_136068	NW_004516458.1	Scaffold1180	136068	AA	GG	1940481806
SNP_P1_221307_136090	NW_004516458.1	Scaffold1180	136090	TT	CC	1940481807
SNP_P1_221308_137897	NW_004516458.1	Scaffold1180	137897	AA	TT	1940481808
SNP_P1_221309_140511	NW_004516458.1	Scaffold1180	140511	CC	TT	1940481809
SNP_P1_221310_146751	NW_004516458.1	Scaffold1180	146751	AA	GG	1940481810
SNP_P1_221311_147204	NW_004516458.1	Scaffold1180	147204	TT	CC	1940481811
SNP_P1_221312_148377	NW_004516458.1	Scaffold1180	148377	AA	TT	1940481812
SNP_P1_221313_148383	NW_004516458.1	Scaffold1180	148383	GG	AA	1940481813
SNP_P1_221314_148390	NW_004516458.1	Scaffold1180	148390	AA	TT	1940481814
SNP_P1_221315_148457	NW_004516458.1	Scaffold1180	148457	CC	TT	1940481815
SNP_P1_221316_149316	NW_004516458.1	Scaffold1180	149316	AA	TT	1940481816
SNP_P1_221317_151533	NW_004516458.1	Scaffold1180	151533	AA	CC	1940481817
SNP_P1_221318_155665	NW_004516458.1	Scaffold1180	155665	AA	GG	1940481818
SNP_P1_221319_155680	NW_004516458.1	Scaffold1180	155680	GG	AA	1940481819
SNP_P1_221320_155701	NW_004516458.1	Scaffold1180	155701	AA	CC	1940481820
SNP_P1_221321_155723	NW_004516458.1	Scaffold1180	155723	TT	GG	1940481821
SNP_P1_221322_156080	NW_004516458.1	Scaffold1180	156080	GG	AA	1940481822
SNP_P1_221323_157867	NW_004516458.1	Scaffold1180	157867	GG	AA	1940481823
SNP_P1_221324_158042	NW_004516458.1	Scaffold1180	158042	AA	TT	1940481824
SNP_P1_221325_158084	NW_004516458.1	Scaffold1180	158084	AA	TT	1940481825
SNP_P1_221326_158085	NW_004516458.1	Scaffold1180	158085	AA	CC	1940481826
SNP_P1_221327_160303	NW_004516458.1	Scaffold1180	160303	GG	CC	1940481827
SNP_P1_221328_160463	NW_004516458.1	Scaffold1180	160463	CC	TT	1940481828
SNP_P1_221329_161106	NW_004516458.1	Scaffold1180	161106	CC	TT	1940481829
SNP_P1_221330_161484	NW_004516458.1	Scaffold1180	161484	TT	GG	1940481830
SNP_P1_221331_163196	NW_004516458.1	Scaffold1180	163196	CC	TT	1940481831
SNP_P1_221332_165681	NW_004516458.1	Scaffold1180	165681	CC	TT	1940481832
SNP_P1_221333_166579	NW_004516458.1	Scaffold1180	166579	TT	CC	1940481833
SNP_P1_221334_169138	NW_004516458.1	Scaffold1180	169138	GG	CC	1940481834
SNP_P1_221335_170434	NW_004516458.1	Scaffold1180	170434	TT	CC	1940481835
SNP_P1_221336_176346	NW_004516458.1	Scaffold1180	176346	GG	TT	1940481836
SNP_P1_221337_179774	NW_004516458.1	Scaffold1180	179774	AA	GG	1940481837
SNP_P1_221338_180376	NW_004516458.1	Scaffold1180	180376	CC	TT	1940481838
SNP_P1_221339_181787	NW_004516458.1	Scaffold1180	181787	TT	CC	1940481839
SNP_P1_221340_183617	NW_004516458.1	Scaffold1180	183617	GG	AA	1940481840
SNP_P1_221341_183865	NW_004516458.1	Scaffold1180	183865	CC	TT	1940481841

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221343_189852	NW_004516458.1	Scaffold1180	189852	TT	CC	1940481843
SNP_P1_221344_191424	NW_004516458.1	Scaffold1180	191424	TT	CC	1940481844
SNP_P1_221345_191546	NW_004516458.1	Scaffold1180	191546	AA	CC	1940481845
SNP_P1_221346_191556	NW_004516458.1	Scaffold1180	191556	AA	GG	1940481846
SNP_P1_221347_191776	NW_004516458.1	Scaffold1180	191776	CC	AA	1940481847
SNP_P1_221348_191850	NW_004516458.1	Scaffold1180	191850	GG	CC	1940481848
SNP_P1_221349_191855	NW_004516458.1	Scaffold1180	191855	AA	GG	1940481849
SNP_P1_221350_193633	NW_004516458.1	Scaffold1180	193633	TT	CC	1940481850
SNP_P1_221351_194046	NW_004516458.1	Scaffold1180	194046	AA	GG	1940481851
SNP_P1_221352_194337	NW_004516458.1	Scaffold1180	194337	AA	GG	1940481852
SNP_P1_221353_194401	NW_004516458.1	Scaffold1180	194401	GG	AA	1940481853
SNP_P1_221354_194631	NW_004516458.1	Scaffold1180	194631	CC	TT	1940481854
SNP_P1_221355_194764	NW_004516458.1	Scaffold1180	194764	CC	AA	1940481855
SNP_P1_221356_195574	NW_004516458.1	Scaffold1180	195574	GG	TT	1940481856
SNP_P1_221358_196580	NW_004516458.1	Scaffold1180	196580	AA	GG	1940481857
SNP_P1_221359_199823	NW_004516458.1	Scaffold1180	199823	TT	CC	1940481858
SNP_P1_221360_201027	NW_004516458.1	Scaffold1180	201027	TT	CC	1940481859
SNP_P1_221361_201035	NW_004516458.1	Scaffold1180	201035	CC	AA	1940481860
SNP_P1_221362_201412	NW_004516458.1	Scaffold1180	201412	AA	TT	1940481861
SNP_P1_221365_207113	NW_004516458.1	Scaffold1180	207113	CC	AA	1940481862
SNP_P1_221367_207624	NW_004516458.1	Scaffold1180	207624	GG	AA	1940481863
SNP_P1_221368_208116	NW_004516458.1	Scaffold1180	208116	GG	AA	1940481864
SNP_P1_221369_208395	NW_004516458.1	Scaffold1180	208395	GG	AA	1940481865
SNP_P1_221371_208673	NW_004516458.1	Scaffold1180	208673	TT	CC	1940481866
SNP_P1_221372_208784	NW_004516458.1	Scaffold1180	208784	GG	AA	1940481867
SNP_P1_221375_209484	NW_004516458.1	Scaffold1180	209484	AA	GG	1940481868
SNP_P1_221376_209496	NW_004516458.1	Scaffold1180	209496	TT	CC	1940481869
SNP_P1_221377_209645	NW_004516458.1	Scaffold1180	209645	TT	CC	1940481870
SNP_P1_221378_209690	NW_004516458.1	Scaffold1180	209690	AA	GG	1940481871
SNP_P1_221379_209867	NW_004516458.1	Scaffold1180	209867	CC	TT	1940481872
SNP_P1_221380_210042	NW_004516458.1	Scaffold1180	210042	CC	TT	1940481873
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SNP_P1_221382_210794	NW_004516458.1	Scaffold1180	210794	GG	TT	1940481875
SNP_P1_221383_210828	NW_004516458.1	Scaffold1180	210828	AA	TT	1940481876
SNP_P1_221384_210906	NW_004516458.1	Scaffold1180	210906	CC	GG	1940481877
SNP_P1_221385_210987	NW_004516458.1	Scaffold1180	210987	CC	TT	1940481878
SNP_P1_221386_211315	NW_004516458.1	Scaffold1180	211315	CC	AA	1940481879
SNP_P1_221387_211352	NW_004516458.1	Scaffold1180	211352	GG	AA	1940481880
SNP_P1_221388_211354	NW_004516458.1	Scaffold1180	211354	TT	CC	1940481881
SNP_P1_221389_211357	NW_004516458.1	Scaffold1180	211357	TT	GG	1940481882
SNP_P1_221390_211381	NW_004516458.1	Scaffold1180	211381	AA	GG	1940481883

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221393_213243	NW_004516458.1	Scaffold1180	213243	GG	AA	1940481885
SNP_P1_221394_213911	NW_004516458.1	Scaffold1180	213911	TT	CC	1940481886
SNP_P1_221395_213925	NW_004516458.1	Scaffold1180	213925	TT	CC	1940481887
SNP_P1_221396_215388	NW_004516458.1	Scaffold1180	215388	AA	CC	1940481888
SNP_P1_221398_216211	NW_004516458.1	Scaffold1180	216211	GG	AA	1940481889
SNP_P1_221400_217381	NW_004516458.1	Scaffold1180	217381	GG	AA	1940481890
SNP_P1_221401_217630	NW_004516458.1	Scaffold1180	217630	TT	CC	1940481891
SNP_P1_221402_218496	NW_004516458.1	Scaffold1180	218496	GG	AA	1940481892
SNP_P1_221403_218585	NW_004516458.1	Scaffold1180	218585	TT	CC	1940481893
SNP_P1_221404_218733	NW_004516458.1	Scaffold1180	218733	GG	AA	1940481894
SNP_P1_221405_218887	NW_004516458.1	Scaffold1180	218887	GG	CC	1940481895
SNP_P1_221406_218892	NW_004516458.1	Scaffold1180	218892	CC	TT	1940481896
SNP_P1_221407_218911	NW_004516458.1	Scaffold1180	218911	TT	GG	1940481897
SNP_P1_221408_218931	NW_004516458.1	Scaffold1180	218931	GG	TT	1940481898
SNP_P1_221409_218945	NW_004516458.1	Scaffold1180	218945	TT	AA	1940481899
SNP_P1_221410_218954	NW_004516458.1	Scaffold1180	218954	AA	TT	1940481900
SNP_P1_221411_218958	NW_004516458.1	Scaffold1180	218958	GG	AA	1940481901
SNP_P1_221412_219037	NW_004516458.1	Scaffold1180	219037	AA	CC	1940481902
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SNP_P1_221414_224957	NW_004516458.1	Scaffold1180	224957	CC	TT	1940481904
SNP_P1_221415_225229	NW_004516458.1	Scaffold1180	225229	AA	GG	1940481905
SNP_P1_221416_226101	NW_004516458.1	Scaffold1180	226101	GG	AA	1940481906
SNP_P1_221417_226143	NW_004516458.1	Scaffold1180	226143	CC	TT	1940481907
SNP_P1_221419_227295	NW_004516458.1	Scaffold1180	227295	AA	TT	1940481908
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SNP_P1_221421_227312	NW_004516458.1	Scaffold1180	227312	TT	AA	1940481910
SNP_P1_221422_227392	NW_004516458.1	Scaffold1180	227392	TT	AA	1940481911
SNP_P1_221423_227745	NW_004516458.1	Scaffold1180	227745	AA	TT	1940481912
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SNP_P1_221426_228110	NW_004516458.1	Scaffold1180	228110	GG	CC	1940481914
SNP_P1_221427_228205	NW_004516458.1	Scaffold1180	228205	GG	TT	1940481915
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SNP_P1_221429_228336	NW_004516458.1	Scaffold1180	228336	AA	GG	1940481917
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SNP_P1_221431_231576	NW_004516458.1	Scaffold1180	231576	AA	TT	1940481919
SNP_P1_221432_231674	NW_004516458.1	Scaffold1180	231674	TT	AA	1940481920
SNP_P1_221433_234775	NW_004516458.1	Scaffold1180	234775	TT	CC	1940481921
SNP_P1_221434_236678	NW_004516458.1	Scaffold1180	236678	CC	TT	1940481922
SNP_P1_221435_239258	NW_004516458.1	Scaffold1180	239258	GG	TT	1940481923
SNP_P1_221436_239270	NW_004516458.1	Scaffold1180	239270	TT	AA	1940481924
SNP_P1_221437_239278	NW_004516458.1	Scaffold1180	239278	TT	CC	1940481925

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221439_239283	NW_004516458.1	Scaffold1180	239283	CC	TT	1940481927
SNP_P1_221440_239292	NW_004516458.1	Scaffold1180	239292	AA	TT	1940481928
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SNP_P1_221442_240910	NW_004516458.1	Scaffold1180	240910	AA	GG	1940481930
SNP_P1_221443_240923	NW_004516458.1	Scaffold1180	240923	AA	GG	1940481931
SNP_P1_221444_241004	NW_004516458.1	Scaffold1180	241004	AA	GG	1940481932
SNP_P1_221446_241239	NW_004516458.1	Scaffold1180	241239	TT	AA	1940481933
SNP_P1_221447_241276	NW_004516458.1	Scaffold1180	241276	CC	GG	1940481934
SNP_P1_221448_241313	NW_004516458.1	Scaffold1180	241313	AA	GG	1940481935
SNP_P1_221449_241398	NW_004516458.1	Scaffold1180	241398	GG	AA	1940481936
SNP_P1_221450_241399	NW_004516458.1	Scaffold1180	241399	GG	AA	1940481937
SNP_P1_221451_243917	NW_004516458.1	Scaffold1180	243917	TT	AA	1940481938
SNP_P1_221452_244681	NW_004516458.1	Scaffold1180	244681	TT	AA	1940481939
SNP_P1_221453_244941	NW_004516458.1	Scaffold1180	244941	TT	CC	1940481940
SNP_P1_221454_244943	NW_004516458.1	Scaffold1180	244943	AA	GG	1940481941
SNP_P1_221455_245380	NW_004516458.1	Scaffold1180	245380	AA	TT	1940481942
SNP_P1_221456_245394	NW_004516458.1	Scaffold1180	245394	TT	CC	1940481943
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SNP_P1_221458_247345	NW_004516458.1	Scaffold1180	247345	AA	GG	1940481945
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SNP_P1_221460_247358	NW_004516458.1	Scaffold1180	247358	TT	AA	1940481947
SNP_P1_221461_247398	NW_004516458.1	Scaffold1180	247398	TT	CC	1940481948
SNP_P1_221464_249159	NW_004516458.1	Scaffold1180	249159	TT	CC	1940481949
SNP_P1_221465_250448	NW_004516458.1	Scaffold1180	250448	CC	TT	1940481950
SNP_P1_221466_252372	NW_004516458.1	Scaffold1180	252372	AA	GG	1940481951
SNP_P1_221468_252842	NW_004516458.1	Scaffold1180	252842	AA	CC	1940481952
SNP_P1_221469_255574	NW_004516458.1	Scaffold1180	255574	CC	TT	1940481953
SNP_P1_221470_255606	NW_004516458.1	Scaffold1180	255606	AA	CC	1940481954
SNP_P1_221471_255662	NW_004516458.1	Scaffold1180	255662	TT	CC	1940481955
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SNP_P1_221473_255724	NW_004516458.1	Scaffold1180	255724	CC	GG	1940481957
SNP_P1_221474_255738	NW_004516458.1	Scaffold1180	255738	AA	CC	1940481958
SNP_P1_221475_255801	NW_004516458.1	Scaffold1180	255801	AA	TT	1940481959
SNP_P1_221476_256024	NW_004516458.1	Scaffold1180	256024	AA	GG	1940481960
SNP_P1_221477_257291	NW_004516458.1	Scaffold1180	257291	TT	CC	1940481961
SNP_P1_221479_263033	NW_004516458.1	Scaffold1180	263033	GG	TT	1940481963
SNP_P1_221480_269972	NW_004516458.1	Scaffold1180	269972	TT	CC	1940481964
SNP_P1_221481_270618	NW_004516458.1	Scaffold1180	270618	AA	GG	1940481965
SNP_P1_221482_277561	NW_004516458.1	Scaffold1180	277561	GG	TT	1940481966
SNP_P1_221483_279688	NW_004516458.1	Scaffold1180	279688	AA	TT	1940481967
SNP_P1_221484_254	NW_004516459.1	Scaffold1181	254	AA	GG	1940481968

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_221485_1494	NW_004516459.1	Scaffold1181	1494	GG	CC	1940481969
SNP_P1_221486_1536	NW_004516459.1	Scaffold1181	1536	AA	TT	1940481970
SNP_P1_221487_1547	NW_004516459.1	Scaffold1181	1547	AA	TT	1940481971
SNP_P1_221488_1559	NW_004516459.1	Scaffold1181	1559	CC	GG	1940481972
SNP_P1_221489_1563	NW_004516459.1	Scaffold1181	1563	TT	GG	1940481973
SNP_P1_221490_1585	NW_004516459.1	Scaffold1181	1585	TT	AA	1940481974
SNP_P1_221491_1665	NW_004516459.1	Scaffold1181	1665	TT	AA	1940481975
SNP_P1_221492_1843	NW_004516459.1	Scaffold1181	1843	CC	AA	1940481976
SNP_P1_221493_2223	NW_004516459.1	Scaffold1181	2223	TT	AA	1940481977
SNP_P1_221494_2354	NW_004516459.1	Scaffold1181	2354	AA	GG	1940481978
SNP_P1_221495_5388	NW_004516459.1	Scaffold1181	5388	AA	CC	1940481979
SNP_P1_221496_5391	NW_004516459.1	Scaffold1181	5391	AA	TT	1940481980
SNP_P1_221497_5445	NW_004516459.1	Scaffold1181	5445	CC	AA	1940481981
SNP_P1_221498_5649	NW_004516459.1	Scaffold1181	5649	CC	TT	1940481982
SNP_P1_221499_5657	NW_004516459.1	Scaffold1181	5657	CC	TT	1940481983
SNP_P1_221500_5737	NW_004516459.1	Scaffold1181	5737	CC	AA	1940481984
SNP_P1_221501_5874	NW_004516459.1	Scaffold1181	5874	CC	TT	1940481985
SNP_P1_221503_6118	NW_004516459.1	Scaffold1181	6118	CC	AA	1940481986
SNP_P1_221504_6141	NW_004516459.1	Scaffold1181	6141	TT	AA	1940481987
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SNP_P1_221508_6947	NW_004516459.1	Scaffold1181	6947	GG	AA	1940481990
SNP_P1_221509_7064	NW_004516459.1	Scaffold1181	7064	GG	CC	1940481991
SNP_P1_221510_7086	NW_004516459.1	Scaffold1181	7086	GG	CC	1940481992
SNP_P1_221511_7099	NW_004516459.1	Scaffold1181	7099	CC	AA	1940481993
SNP_P1_221512_7163	NW_004516459.1	Scaffold1181	7163	AA	CC	1940481994
SNP_P1_221513_7164	NW_004516459.1	Scaffold1181	7164	GG	AA	1940481995
SNP_P1_221514_7184	NW_004516459.1	Scaffold1181	7184	AA	CC	1940481996
SNP_P1_221515_7192	NW_004516459.1	Scaffold1181	7192	TT	CC	1940481997
SNP_P1_221516_7214	NW_004516459.1	Scaffold1181	7214	TT	CC	1940481998
SNP_P1_221517_7322	NW_004516459.1	Scaffold1181	7322	AA	GG	1940481999
SNP_P1_221518_7712	NW_004516459.1	Scaffold1181	7712	TT	AA	1940482000
SNP_P1_221519_7752	NW_004516459.1	Scaffold1181	7752	CC	TT	1940482001
SNP_P1_221520_10747	NW_004516459.1	Scaffold1181	10747	AA	TT	1940482002
SNP_P1_221521_10993	NW_004516459.1	Scaffold1181	10993	TT	CC	1940482003
SNP_P1_221522_11066	NW_004516459.1	Scaffold1181	11066	TT	CC	1940482004
SNP_P1_221524_11252	NW_004516459.1	Scaffold1181	11252	CC	AA	1940482005
SNP_P1_221525_11253	NW_004516459.1	Scaffold1181	11253	CC	TT	1940482006
SNP_P1_221526_11257	NW_004516459.1	Scaffold1181	11257	AA	TT	1940482007
SNP_P1_221527_11264	NW_004516459.1	Scaffold1181	11264	AA	TT	1940482008
SNP_P1_221528_11271	NW_004516459.1	Scaffold1181	11271	AA	TT	1940482009
SNP_P1_221529_11273	NW_004516459.1	Scaffold1181	11273	AA	CC	1940482010

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221531_11285	NW_004516459.1	Scaffold1181	11285	AA	TT	1940482012
SNP_P1_221532_11300	NW_004516459.1	Scaffold1181	11300	TT	CC	1940482013
SNP_P1_221533_11499	NW_004516459.1	Scaffold1181	11499	AA	GG	1940482014
SNP_P1_221534_11534	NW_004516459.1	Scaffold1181	11534	AA	GG	1940482015
SNP_P1_221535_11546	NW_004516459.1	Scaffold1181	11546	GG	CC	1940482016
SNP_P1_221536_11549	NW_004516459.1	Scaffold1181	11549	GG	CC	1940482017
SNP_P1_221537_11843	NW_004516459.1	Scaffold1181	11843	TT	AA	1940482018
SNP_P1_221538_11917	NW_004516459.1	Scaffold1181	11917	TT	AA	1940482019
SNP_P1_221539_101	NW_004516461.1	Scaffold1183	101	AA	TT	1940482020
SNP_P1_221541_181	NW_004516461.1	Scaffold1183	181	TT	CC	1940482021
SNP_P1_221542_361	NW_004516461.1	Scaffold1183	361	CC	GG	1940482022
SNP_P1_221543_2590	NW_004516461.1	Scaffold1183	2590	AA	CC	1940482023
SNP_P1_221544_27302	NW_004516461.1	Scaffold1183	27302	CC	TT	1940482024
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SNP_P1_221547_29415	NW_004516461.1	Scaffold1183	29415	TT	CC	1940482027
SNP_P1_221548_29482	NW_004516461.1	Scaffold1183	29482	AA	GG	1940482028
SNP_P1_221549_29521	NW_004516461.1	Scaffold1183	29521	TT	CC	1940482029
SNP_P1_221550_30669	NW_004516461.1	Scaffold1183	30669	TT	AA	1940482030
SNP_P1_221551_30998	NW_004516461.1	Scaffold1183	30998	TT	CC	1940482031
SNP_P1_221552_32614	NW_004516461.1	Scaffold1183	32614	CC	TT	1940482032
SNP_P1_221553_34164	NW_004516461.1	Scaffold1183	34164	TT	CC	1940482033
SNP_P1_221555_45100	NW_004516461.1	Scaffold1183	45100	AA	CC	1940482034
SNP_P1_221556_45323	NW_004516461.1	Scaffold1183	45323	TT	GG	1940482035
SNP_P1_221557_55904	NW_004516461.1	Scaffold1183	55904	GG	TT	1940482036
SNP_P1_221558_60396	NW_004516461.1	Scaffold1183	60396	TT	CC	1940482037
SNP_P1_221559_60405	NW_004516461.1	Scaffold1183	60405	TT	GG	1940482038
SNP_P1_221560_60455	NW_004516461.1	Scaffold1183	60455	AA	GG	1940482039
SNP_P1_221561_66768	NW_004516461.1	Scaffold1183	66768	GG	AA	1940482040
SNP_P1_221562_66779	NW_004516461.1	Scaffold1183	66779	AA	TT	1940482041
SNP_P1_221563_66784	NW_004516461.1	Scaffold1183	66784	AA	GG	1940482042
SNP_P1_221564_66785	NW_004516461.1	Scaffold1183	66785	AA	CC	1940482043
SNP_P1_221566_75848	NW_004516461.1	Scaffold1183	75848	AA	GG	1940482044
SNP_P1_221567_75853	NW_004516461.1	Scaffold1183	75853	AA	GG	1940482045
SNP_P1_221568_75926	NW_004516461.1	Scaffold1183	75926	TT	CC	1940482046
SNP_P1_221569_75931	NW_004516461.1	Scaffold1183	75931	TT	GG	1940482047
SNP_P1_221570_75951	NW_004516461.1	Scaffold1183	75951	GG	TT	1940482048
SNP_P1_221571_76003	NW_004516461.1	Scaffold1183	76003	AA	TT	1940482049
SNP_P1_221572_76034	NW_004516461.1	Scaffold1183	76034	CC	TT	1940482050
SNP_P1_221573_76114	NW_004516461.1	Scaffold1183	76114	TT	CC	1940482051
SNP_P1_221575_76141	NW_004516461.1	Scaffold1183	76141	AA	GG	1940482052

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221577_90994	NW_004516461.1	Scaffold1183	90994	TT	CC	1940482054
SNP_P1_221578_96654	NW_004516461.1	Scaffold1183	96654	GG	TT	1940482055
SNP_P1_221579_96830	NW_004516461.1	Scaffold1183	96830	CC	TT	1940482056
SNP_P1_221580_96855	NW_004516461.1	Scaffold1183	96855	CC	TT	1940482057
SNP_P1_221581_96949	NW_004516461.1	Scaffold1183	96949	GG	CC	1940482058
SNP_P1_221582_129070	NW_004516461.1	Scaffold1183	129070	CC	TT	1940482059
SNP_P1_221585_147623	NW_004516461.1	Scaffold1183	147623	AA	CC	1940482060
SNP_P1_221586_147627	NW_004516461.1	Scaffold1183	147627	CC	AA	1940482061
SNP_P1_221587_147669	NW_004516461.1	Scaffold1183	147669	AA	GG	1940482062
SNP_P1_221588_147831	NW_004516461.1	Scaffold1183	147831	CC	GG	1940482063
SNP_P1_221589_148759	NW_004516461.1	Scaffold1183	148759	CC	TT	1940482064
SNP_P1_221590_148767	NW_004516461.1	Scaffold1183	148767	CC	TT	1940482065
SNP_P1_221591_148775	NW_004516461.1	Scaffold1183	148775	CC	TT	1940482066
SNP_P1_221592_148831	NW_004516461.1	Scaffold1183	148831	CC	GG	1940482067
SNP_P1_221593_148919	NW_004516461.1	Scaffold1183	148919	AA	GG	1940482068
SNP_P1_221595_201933	NW_004516461.1	Scaffold1183	201933	TT	CC	1940482069
SNP_P1_221596_209748	NW_004516461.1	Scaffold1183	209748	CC	TT	1940482070
SNP_P1_221597_210612	NW_004516461.1	Scaffold1183	210612	CC	TT	1940482071
SNP_P1_221598_232085	NW_004516461.1	Scaffold1183	232085	CC	TT	1940482072
SNP_P1_221599_232092	NW_004516461.1	Scaffold1183	232092	TT	CC	1940482073
SNP_P1_221600_232182	NW_004516461.1	Scaffold1183	232182	TT	CC	1940482074
SNP_P1_221601_232434	NW_004516461.1	Scaffold1183	232434	AA	CC	1940482075
SNP_P1_221602_234211	NW_004516461.1	Scaffold1183	234211	CC	TT	1940482076
SNP_P1_221603_234573	NW_004516461.1	Scaffold1183	234573	AA	GG	1940482077
SNP_P1_221604_234580	NW_004516461.1	Scaffold1183	234580	GG	AA	1940482078
SNP_P1_221606_944	NW_004516462.1	Scaffold1185	944	AA	GG	1940482079
SNP_P1_221607_947	NW_004516462.1	Scaffold1185	947	AA	GG	1940482080
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SNP_P1_221609_2437	NW_004516462.1	Scaffold1185	2437	TT	CC	1940482082
SNP_P1_221610_3529	NW_004516462.1	Scaffold1185	3529	TT	GG	1940482083
SNP_P1_221611_3698	NW_004516462.1	Scaffold1185	3698	CC	TT	1940482084
SNP_P1_221612_3811	NW_004516462.1	Scaffold1185	3811	AA	TT	1940482085
SNP_P1_221613_3828	NW_004516462.1	Scaffold1185	3828	TT	AA	1940482086
SNP_P1_221614_4030	NW_004516462.1	Scaffold1185	4030	GG	AA	1940482087
SNP_P1_221615_4308	NW_004516462.1	Scaffold1185	4308	TT	AA	1940482088
SNP_P1_221616_4628	NW_004516462.1	Scaffold1185	4628	AA	GG	1940482089
SNP_P1_221617_5496	NW_004516462.1	Scaffold1185	5496	GG	AA	1940482090
SNP_P1_221618_5580	NW_004516462.1	Scaffold1185	5580	TT	CC	1940482091
SNP_P1_221619_6187	NW_004516462.1	Scaffold1185	6187	GG	TT	1940482092
SNP_P1_221621_6648	NW_004516462.1	Scaffold1185	6648	AA	GG	1940482093
SNP_P1_221622_6650	NW_004516462.1	Scaffold1185	6650	AA	TT	1940482094

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221625_9129	NW_004516462.1	Scaffold1185	9129	AA	GG	1940482097
SNP_P1_221626_9192	NW_004516462.1	Scaffold1185	9192	GG	AA	1940482098
SNP_P1_221627_9601	NW_004516462.1	Scaffold1185	9601	TT	CC	1940482099
SNP_P1_221628_9658	NW_004516462.1	Scaffold1185	9658	AA	TT	1940482100
SNP_P1_221629_10573	NW_004516462.1	Scaffold1185	10573	CC	TT	1940482101
SNP_P1_221630_10859	NW_004516462.1	Scaffold1185	10859	GG	AA	1940482102
SNP_P1_221631_10951	NW_004516462.1	Scaffold1185	10951	GG	TT	1940482103
SNP_P1_221632_12319	NW_004516462.1	Scaffold1185	12319	TT	AA	1940482104
SNP_P1_221633_12911	NW_004516462.1	Scaffold1185	12911	GG	AA	1940482105
SNP_P1_221634_13994	NW_004516462.1	Scaffold1185	13994	GG	TT	1940482106
SNP_P1_221635_14106	NW_004516462.1	Scaffold1185	14106	AA	GG	1940482107
SNP_P1_221636_14153	NW_004516462.1	Scaffold1185	14153	TT	CC	1940482108
SNP_P1_221637_14447	NW_004516462.1	Scaffold1185	14447	GG	TT	1940482109
SNP_P1_221638_15332	NW_004516462.1	Scaffold1185	15332	CC	GG	1940482110
SNP_P1_221639_15404	NW_004516462.1	Scaffold1185	15404	GG	AA	1940482111
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SNP_P1_221646_19972	NW_004516462.1	Scaffold1185	19972	CC	TT	1940482117
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SNP_P1_221648_20443	NW_004516462.1	Scaffold1185	20443	GG	AA	1940482119
SNP_P1_221649_21339	NW_004516462.1	Scaffold1185	21339	CC	TT	1940482120
SNP_P1_221650_21525	NW_004516462.1	Scaffold1185	21525	CC	TT	1940482121
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SNP_P1_221653_22154	NW_004516462.1	Scaffold1185	22154	AA	GG	1940482125
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SNP_P1_221657_22539	NW_004516462.1	Scaffold1185	22539	CC	TT	1940482129
SNP_P1_221658_22566	NW_004516462.1	Scaffold1185	22566	AA	GG	1940482130
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SNP_P1_221660_25006	NW_004516462.1	Scaffold1185	25006	CC	AA	1940482132
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SNP_P1_221663_26456	NW_004516462.1	Scaffold1185	26456	CC	AA	1940482135
SNP_P1_221664_26643	NW_004516462.1	Scaffold1185	26643	GG	AA	1940482136
SNP_P1_221665_27488	NW_004516462.1	Scaffold1185	27488	AA	GG	1940482137

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221668_28071	NW_004516462.1	Scaffold1185	28071	TT	AA	1940482140
SNP_P1_221669_29835	NW_004516462.1	Scaffold1185	29835	GG	AA	1940482141
SNP_P1_221670_29993	NW_004516462.1	Scaffold1185	29993	AA	GG	1940482142
SNP_P1_221671_30154	NW_004516462.1	Scaffold1185	30154	GG	CC	1940482143
SNP_P1_221672_30199	NW_004516462.1	Scaffold1185	30199	CC	TT	1940482144
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SNP_P1_221674_30507	NW_004516462.1	Scaffold1185	30507	GG	TT	1940482146
SNP_P1_221675_30539	NW_004516462.1	Scaffold1185	30539	CC	TT	1940482147
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SNP_P1_221677_38662	NW_004516462.1	Scaffold1185	38662	TT	CC	1940482149
SNP_P1_221678_38749	NW_004516462.1	Scaffold1185	38749	TT	AA	1940482150
SNP_P1_221679_38815	NW_004516462.1	Scaffold1185	38815	TT	CC	1940482151
SNP_P1_221680_38817	NW_004516462.1	Scaffold1185	38817	GG	AA	1940482152
SNP_P1_221681_38874	NW_004516462.1	Scaffold1185	38874	CC	AA	1940482153
SNP_P1_221682_39169	NW_004516462.1	Scaffold1185	39169	AA	GG	1940482154
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SNP_P1_221692_67222	NW_004516462.1	Scaffold1185	67222	AA	TT	1940482162
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SNP_P1_221697_67645	NW_004516462.1	Scaffold1185	67645	AA	CC	1940482164
SNP_P1_221698_67697	NW_004516462.1	Scaffold1185	67697	TT	CC	1940482165
SNP_P1_221699_92667	NW_004516462.1	Scaffold1185	92667	GG	CC	1940482166
SNP_P1_221700_92671	NW_004516462.1	Scaffold1185	92671	GG	CC	1940482167
SNP_P1_221701_93537	NW_004516462.1	Scaffold1185	93537	GG	AA	1940482168
SNP_P1_221702_93544	NW_004516462.1	Scaffold1185	93544	AA	CC	1940482169
SNP_P1_221703_93561	NW_004516462.1	Scaffold1185	93561	AA	GG	1940482170
SNP_P1_221704_93810	NW_004516462.1	Scaffold1185	93810	AA	GG	1940482171
SNP_P1_221705_93935	NW_004516462.1	Scaffold1185	93935	AA	GG	1940482172
SNP_P1_221706_105317	NW_004516462.1	Scaffold1185	105317	GG	AA	1940482173
SNP_P1_221707_105329	NW_004516462.1	Scaffold1185	105329	CC	TT	1940482174
SNP_P1_221708_105403	NW_004516462.1	Scaffold1185	105403	AA	GG	1940482175
SNP_P1_221709_105447	NW_004516462.1	Scaffold1185	105447	TT	AA	1940482176
SNP_P1_221710_105758	NW_004516462.1	Scaffold1185	105758	TT	CC	1940482177
SNP_P1_221711_105761	NW_004516462.1	Scaffold1185	105761	AA	CC	1940482178
SNP_P1_221712_107585	NW_004516462.1	Scaffold1185	107585	AA	CC	1940482179

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221714_107902	NW_004516462.1	Scaffold1185	107902	AA	CC	1940482181
SNP_P1_221715_107912	NW_004516462.1	Scaffold1185	107912	GG	TT	1940482182
SNP_P1_221716_107925	NW_004516462.1	Scaffold1185	107925	GG	AA	1940482183
SNP_P1_221717_115425	NW_004516462.1	Scaffold1185	115425	TT	CC	1940482184
SNP_P1_221718_115429	NW_004516462.1	Scaffold1185	115429	AA	CC	1940482185
SNP_P1_221719_115468	NW_004516462.1	Scaffold1185	115468	CC	GG	1940482186
SNP_P1_221720_115480	NW_004516462.1	Scaffold1185	115480	CC	GG	1940482187
SNP_P1_221721_115671	NW_004516462.1	Scaffold1185	115671	GG	AA	1940482188
SNP_P1_221722_115683	NW_004516462.1	Scaffold1185	115683	GG	AA	1940482189
SNP_P1_221723_115691	NW_004516462.1	Scaffold1185	115691	TT	GG	1940482190
SNP_P1_221724_115720	NW_004516462.1	Scaffold1185	115720	TT	CC	1940482191
SNP_P1_221725_115774	NW_004516462.1	Scaffold1185	115774	TT	CC	1940482192
SNP_P1_221727_134345	NW_004516462.1	Scaffold1185	134345	TT	CC	1940482193
SNP_P1_221728_134728	NW_004516462.1	Scaffold1185	134728	GG	AA	1940482194
SNP_P1_221729_588	NW_004516465.1	Scaffold1191	588	TT	GG	1940482195
SNP_P1_221730_629	NW_004516465.1	Scaffold1191	629	AA	TT	1940482196
SNP_P1_221731_649	NW_004516465.1	Scaffold1191	649	AA	CC	1940482197
SNP_P1_221732_824	NW_004516465.1	Scaffold1191	824	TT	CC	1940482198
SNP_P1_221733_188	NW_004516466.1	Scaffold1192	188	AA	GG	1940482199
SNP_P1_221734_366	NW_004516466.1	Scaffold1192	366	GG	CC	1940482200
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SNP_P1_221736_400	NW_004516466.1	Scaffold1192	400	TT	AA	1940482202
SNP_P1_221737_470	NW_004516466.1	Scaffold1192	470	GG	CC	1940482203
SNP_P1_221738_479	NW_004516466.1	Scaffold1192	479	GG	AA	1940482204
SNP_P1_221739_491	NW_004516466.1	Scaffold1192	491	CC	TT	1940482205
SNP_P1_221740_517	NW_004516466.1	Scaffold1192	517	CC	AA	1940482206
SNP_P1_221741_549	NW_004516466.1	Scaffold1192	549	GG	TT	1940482207
SNP_P1_221742_630	NW_004516466.1	Scaffold1192	630	TT	GG	1940482208
SNP_P1_221743_643	NW_004516466.1	Scaffold1192	643	TT	AA	1940482209
SNP_P1_221744_650	NW_004516466.1	Scaffold1192	650	GG	AA	1940482210
SNP_P1_221745_660	NW_004516466.1	Scaffold1192	660	AA	GG	1940482211
SNP_P1_221747_7549	NW_004516467.1	Scaffold1193	7549	GG	TT	1940482212
SNP_P1_221748_7605	NW_004516467.1	Scaffold1193	7605	TT	CC	1940482213
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SNP_P1_221750_9464	NW_004516467.1	Scaffold1193	9464	AA	TT	1940482215
SNP_P1_221751_9936	NW_004516467.1	Scaffold1193	9936	GG	CC	1940482216
SNP_P1_221752_13463	NW_004516467.1	Scaffold1193	13463	AA	GG	1940482217
SNP_P1_221754_54537	NW_004516467.1	Scaffold1193	54537	CC	TT	1940482218
SNP_P1_221755_60320	NW_004516467.1	Scaffold1193	60320	GG	AA	1940482219
SNP_P1_221757_62963	NW_004516467.1	Scaffold1193	62963	GG	TT	1940482220
SNP_P1_221758_62991	NW_004516467.1	Scaffold1193	62991	AA	GG	1940482221

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_221759_62999	NW_004516467.1	Scaffold1193	62999	CC	TT	1940482222
SNP_P1_221760_63026	NW_004516467.1	Scaffold1193	63026	TT	CC	1940482223
SNP_P1_221761_63032	NW_004516467.1	Scaffold1193	63032	TT	CC	1940482224
SNP_P1_221762_63065	NW_004516467.1	Scaffold1193	63065	AA	GG	1940482225
SNP_P1_221763_63068	NW_004516467.1	Scaffold1193	63068	TT	CC	1940482226
SNP_P1_221764_63093	NW_004516467.1	Scaffold1193	63093	AA	TT	1940482227
SNP_P1_221765_63101	NW_004516467.1	Scaffold1193	63101	AA	TT	1940482228
SNP_P1_221767_63210	NW_004516467.1	Scaffold1193	63210	TT	GG	1940482229
SNP_P1_221768_63213	NW_004516467.1	Scaffold1193	63213	TT	CC	1940482230
SNP_P1_221769_63255	NW_004516467.1	Scaffold1193	63255	TT	CC	1940482231
SNP_P1_221770_63291	NW_004516467.1	Scaffold1193	63291	GG	AA	1940482232
SNP_P1_221771_63324	NW_004516467.1	Scaffold1193	63324	TT	CC	1940482233
SNP_P1_221772_83846	NW_004516467.1	Scaffold1193	83846	AA	TT	1940482234
SNP_P1_221773_107577	NW_004516467.1	Scaffold1193	107577	TT	AA	1940482235
SNP_P1_221774_128216	NW_004516467.1	Scaffold1193	128216	GG	AA	1940482236
SNP_P1_221775_157870	NW_004516467.1	Scaffold1193	157870	TT	GG	1940482237
SNP_P1_221776_158795	NW_004516467.1	Scaffold1193	158795	AA	TT	1940482238
SNP_P1_221778_179027	NW_004516467.1	Scaffold1193	179027	AA	CC	1940482239
SNP_P1_221779_185857	NW_004516467.1	Scaffold1193	185857	AA	GG	1940482240
SNP_P1_221780_191729	NW_004516467.1	Scaffold1193	191729	AA	GG	1940482241
SNP_P1_221781_194055	NW_004516467.1	Scaffold1193	194055	AA	GG	1940482242
SNP_P1_221782_194058	NW_004516467.1	Scaffold1193	194058	AA	TT	1940482243
SNP_P1_221783_194079	NW_004516467.1	Scaffold1193	194079	CC	AA	1940482244
SNP_P1_221784_194398	NW_004516467.1	Scaffold1193	194398	GG	TT	1940482245
SNP_P1_221785_194400	NW_004516467.1	Scaffold1193	194400	TT	GG	1940482246
SNP_P1_221786_194401	NW_004516467.1	Scaffold1193	194401	TT	GG	1940482247
SNP_P1_221787_206168	NW_004516467.1	Scaffold1193	206168	GG	AA	1940482248
SNP_P1_221788_206592	NW_004516467.1	Scaffold1193	206592	AA	GG	1940482249
SNP_P1_221789_222582	NW_004516467.1	Scaffold1193	222582	TT	AA	1940482250
SNP_P1_221790_222619	NW_004516467.1	Scaffold1193	222619	GG	TT	1940482251
SNP_P1_221791_222626	NW_004516467.1	Scaffold1193	222626	TT	AA	1940482252
SNP_P1_221792_227269	NW_004516467.1	Scaffold1193	227269	TT	CC	1940482253
SNP_P1_221793_237563	NW_004516467.1	Scaffold1193	237563	AA	GG	1940482254
SNP_P1_221795_241552	NW_004516467.1	Scaffold1193	241552	CC	TT	1940482255
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SNP_P1_221797_241564	NW_004516467.1	Scaffold1193	241564	GG	TT	1940482257
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SNP_P1_221799_241650	NW_004516467.1	Scaffold1193	241650	GG	AA	1940482259
SNP_P1_221800_241704	NW_004516467.1	Scaffold1193	241704	TT	CC	1940482260
SNP_P1_221802_241720	NW_004516467.1	Scaffold1193	241720	TT	CC	1940482261
SNP_P1_221803_241763	NW_004516467.1	Scaffold1193	241763	TT	CC	1940482262
SNP_P1_221804_241772	NW_004516467.1	Scaffold1193	241772	TT	CC	1940482263

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221807_241942	NW_004516467.1	Scaffold1193	241942	CC	TT	1940482266
SNP_P1_221808_241969	NW_004516467.1	Scaffold1193	241969	AA	GG	1940482267
SNP_P1_221809_241972	NW_004516467.1	Scaffold1193	241972	GG	AA	1940482268
SNP_P1_221810_241988	NW_004516467.1	Scaffold1193	241988	GG	TT	1940482269
SNP_P1_221811_242036	NW_004516467.1	Scaffold1193	242036	AA	GG	1940482270
SNP_P1_221812_242043	NW_004516467.1	Scaffold1193	242043	AA	GG	1940482271
SNP_P1_221813_242055	NW_004516467.1	Scaffold1193	242055	AA	GG	1940482272
SNP_P1_221814_242059	NW_004516467.1	Scaffold1193	242059	TT	CC	1940482273
SNP_P1_221815_242203	NW_004516467.1	Scaffold1193	242203	TT	GG	1940482274
SNP_P1_221816_242244	NW_004516467.1	Scaffold1193	242244	AA	GG	1940482275
SNP_P1_221817_242341	NW_004516467.1	Scaffold1193	242341	TT	CC	1940482276
SNP_P1_221818_247246	NW_004516467.1	Scaffold1193	247246	AA	GG	1940482277
SNP_P1_221819_250698	NW_004516467.1	Scaffold1193	250698	AA	GG	1940482278
SNP_P1_221820_272765	NW_004516467.1	Scaffold1193	272765	AA	GG	1940482279
SNP_P1_221821_272768	NW_004516467.1	Scaffold1193	272768	CC	TT	1940482280
SNP_P1_221822_272771	NW_004516467.1	Scaffold1193	272771	GG	CC	1940482281
SNP_P1_221823_272777	NW_004516467.1	Scaffold1193	272777	CC	TT	1940482282
SNP_P1_221824_272780	NW_004516467.1	Scaffold1193	272780	AA	CC	1940482283
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SNP_P1_221828_272831	NW_004516467.1	Scaffold1193	272831	CC	TT	1940482288
SNP_P1_221829_272837	NW_004516467.1	Scaffold1193	272837	CC	GG	1940482289
SNP_P1_221830_272843	NW_004516467.1	Scaffold1193	272843	CC	TT	1940482290
SNP_P1_221831_272852	NW_004516467.1	Scaffold1193	272852	GG	AA	1940482291
SNP_P1_221832_272858	NW_004516467.1	Scaffold1193	272858	TT	CC	1940482292
SNP_P1_221833_272888	NW_004516467.1	Scaffold1193	272888	TT	CC	1940482293
SNP_P1_221834_272900	NW_004516467.1	Scaffold1193	272900	CC	TT	1940482294
SNP_P1_221835_272906	NW_004516467.1	Scaffold1193	272906	GG	AA	1940482295
SNP_P1_221836_272921	NW_004516467.1	Scaffold1193	272921	GG	AA	1940482296
SNP_P1_221837_272924	NW_004516467.1	Scaffold1193	272924	TT	CC	1940482297
SNP_P1_221838_275557	NW_004516467.1	Scaffold1193	275557	GG	CC	1940482298
SNP_P1_221839_275649	NW_004516467.1	Scaffold1193	275649	CC	AA	1940482299
SNP_P1_221840_395	NW_004516469.1	Scaffold1195	395	GG	AA	1940482300
SNP_P1_221841_2857	NW_004516469.1	Scaffold1195	2857	GG	AA	1940482301
SNP_P1_221842_3701	NW_004516469.1	Scaffold1195	3701	CC	TT	1940482302
SNP_P1_221843_16655	NW_004516469.1	Scaffold1195	16655	AA	CC	1940482303
SNP_P1_221844_19524	NW_004516469.1	Scaffold1195	19524	CC	TT	1940482304
SNP_P1_221846_33506	NW_004516469.1	Scaffold1195	33506	AA	GG	1940482305
SNP_P1_221847_34933	NW_004516469.1	Scaffold1195	34933	AA	GG	1940482306

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221849_35025	NW_004516469.1	Scaffold1195	35025	AA	GG	1940482308
SNP_P1_221850_35084	NW_004516469.1	Scaffold1195	35084	TT	CC	1940482309
SNP_P1_221851_35129	NW_004516469.1	Scaffold1195	35129	AA	CC	1940482310
SNP_P1_221852_35142	NW_004516469.1	Scaffold1195	35142	TT	CC	1940482311
SNP_P1_221853_35180	NW_004516469.1	Scaffold1195	35180	AA	GG	1940482312
SNP_P1_221854_35227	NW_004516469.1	Scaffold1195	35227	AA	GG	1940482313
SNP_P1_221855_35494	NW_004516469.1	Scaffold1195	35494	GG	AA	1940482314
SNP_P1_221856_35495	NW_004516469.1	Scaffold1195	35495	TT	CC	1940482315
SNP_P1_221857_63579	NW_004516469.1	Scaffold1195	63579	CC	TT	1940482316
SNP_P1_221859_64064	NW_004516469.1	Scaffold1195	64064	AA	GG	1940482317
SNP_P1_221860_64514	NW_004516469.1	Scaffold1195	64514	TT	CC	1940482318
SNP_P1_221861_70533	NW_004516469.1	Scaffold1195	70533	AA	GG	1940482319
SNP_P1_221862_70540	NW_004516469.1	Scaffold1195	70540	AA	GG	1940482320
SNP_P1_221863_71817	NW_004516469.1	Scaffold1195	71817	GG	AA	1940482321
SNP_P1_221864_71870	NW_004516469.1	Scaffold1195	71870	AA	TT	1940482322
SNP_P1_221865_71890	NW_004516469.1	Scaffold1195	71890	AA	GG	1940482323
SNP_P1_221866_72791	NW_004516469.1	Scaffold1195	72791	CC	TT	1940482324
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SNP_P1_221868_86121	NW_004516469.1	Scaffold1195	86121	AA	GG	1940482326
SNP_P1_221869_91498	NW_004516469.1	Scaffold1195	91498	AA	TT	1940482327
SNP_P1_221870_97102	NW_004516469.1	Scaffold1195	97102	TT	CC	1940482328
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SNP_P1_221872_100938	NW_004516469.1	Scaffold1195	100938	TT	CC	1940482330
SNP_P1_221873_102548	NW_004516469.1	Scaffold1195	102548	GG	AA	1940482331
SNP_P1_221874_103573	NW_004516469.1	Scaffold1195	103573	TT	CC	1940482332
SNP_P1_221875_111926	NW_004516469.1	Scaffold1195	111926	TT	CC	1940482333
SNP_P1_221876_111932	NW_004516469.1	Scaffold1195	111932	AA	TT	1940482334
SNP_P1_221877_2583	NW_004516470.1	Scaffold1196	2583	AA	TT	1940482335
SNP_P1_221878_2844	NW_004516470.1	Scaffold1196	2844	CC	AA	1940482336
SNP_P1_221879_13394	NW_004516470.1	Scaffold1196	13394	GG	TT	1940482337
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SNP_P1_221883_20074	NW_004516470.1	Scaffold1196	20074	CC	TT	1940482339
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SNP_P1_221886_34703	NW_004516470.1	Scaffold1196	34703	TT	CC	1940482342
SNP_P1_221888_37124	NW_004516470.1	Scaffold1196	37124	AA	GG	1940482343
SNP_P1_221889_37125	NW_004516470.1	Scaffold1196	37125	TT	CC	1940482344
SNP_P1_221890_37129	NW_004516470.1	Scaffold1196	37129	TT	CC	1940482345
SNP_P1_221891_37137	NW_004516470.1	Scaffold1196	37137	AA	CC	1940482346
SNP_P1_221892_37189	NW_004516470.1	Scaffold1196	37189	TT	CC	1940482347
SNP_P1_221893_37449	NW_004516470.1	Scaffold1196	37449	TT	CC	1940482348

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_221896_37486	NW_004516470.1	Scaffold1196	37486	TT	GG	1940482351
SNP_P1_221897_37525	NW_004516470.1	Scaffold1196	37525	TT	GG	1940482352
SNP_P1_221898_39812	NW_004516470.1	Scaffold1196	39812	AA	GG	1940482353
SNP_P1_221900_48860	NW_004516470.1	Scaffold1196	48860	AA	TT	1940482354
SNP_P1_221901_49216	NW_004516470.1	Scaffold1196	49216	AA	GG	1940482355
SNP_P1_221903_55471	NW_004516470.1	Scaffold1196	55471	AA	CC	1940482356
SNP_P1_221904_69977	NW_004516470.1	Scaffold1196	69977	AA	GG	1940482357
SNP_P1_221905_70919	NW_004516470.1	Scaffold1196	70919	TT	CC	1940482358
SNP_P1_221906_70937	NW_004516470.1	Scaffold1196	70937	AA	GG	1940482359
SNP_P1_221907_71001	NW_004516470.1	Scaffold1196	71001	CC	AA	1940482360
SNP_P1_221908_75682	NW_004516470.1	Scaffold1196	75682	CC	AA	1940482361
SNP_P1_221910_77554	NW_004516470.1	Scaffold1196	77554	TT	AA	1940482362
SNP_P1_221911_78148	NW_004516470.1	Scaffold1196	78148	GG	TT	1940482363
SNP_P1_221912_78480	NW_004516470.1	Scaffold1196	78480	GG	CC	1940482364
SNP_P1_221913_78506	NW_004516470.1	Scaffold1196	78506	AA	TT	1940482365
SNP_P1_221914_78659	NW_004516470.1	Scaffold1196	78659	AA	GG	1940482366
SNP_P1_221915_78811	NW_004516470.1	Scaffold1196	78811	GG	TT	1940482367
SNP_P1_221916_103812	NW_004516470.1	Scaffold1196	103812	TT	CC	1940482368
SNP_P1_221917_103843	NW_004516470.1	Scaffold1196	103843	TT	AA	1940482369
SNP_P1_221918_106246	NW_004516470.1	Scaffold1196	106246	AA	GG	1940482370
SNP_P1_221919_110684	NW_004516470.1	Scaffold1196	110684	TT	CC	1940482371
SNP_P1_221920_111082	NW_004516470.1	Scaffold1196	111082	GG	AA	1940482372
SNP_P1_221921_111108	NW_004516470.1	Scaffold1196	111108	TT	AA	1940482373
SNP_P1_221922_111337	NW_004516470.1	Scaffold1196	111337	AA	GG	1940482374
SNP_P1_221923_111362	NW_004516470.1	Scaffold1196	111362	TT	GG	1940482375
SNP_P1_221924_111597	NW_004516470.1	Scaffold1196	111597	AA	TT	1940482376
SNP_P1_221926_115406	NW_004516470.1	Scaffold1196	115406	TT	CC	1940482377
SNP_P1_221927_118969	NW_004516470.1	Scaffold1196	118969	GG	AA	1940482378
SNP_P1_221928_119553	NW_004516470.1	Scaffold1196	119553	CC	TT	1940482379
SNP_P1_221929_119561	NW_004516470.1	Scaffold1196	119561	CC	TT	1940482380
SNP_P1_221930_119570	NW_004516470.1	Scaffold1196	119570	AA	TT	1940482381
SNP_P1_221931_119612	NW_004516470.1	Scaffold1196	119612	AA	GG	1940482382
SNP_P1_221932_119622	NW_004516470.1	Scaffold1196	119622	AA	CC	1940482383
SNP_P1_221933_119629	NW_004516470.1	Scaffold1196	119629	AA	GG	1940482384
SNP_P1_221934_119936	NW_004516470.1	Scaffold1196	119936	TT	CC	1940482385
SNP_P1_221935_120003	NW_004516470.1	Scaffold1196	120003	CC	TT	1940482386
SNP_P1_221936_120006	NW_004516470.1	Scaffold1196	120006	TT	AA	1940482387
SNP_P1_221937_120036	NW_004516470.1	Scaffold1196	120036	AA	GG	1940482388
SNP_P1_221938_120533	NW_004516470.1	Scaffold1196	120533	TT	GG	1940482389
SNP_P1_221940_132877	NW_004516470.1	Scaffold1196	132877	CC	TT	1940482390

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_221941_132881	NW_004516470.1	Scaffold1196	132881	GG	TT	1940482391
SNP_P1_221942_134694	NW_004516470.1	Scaffold1196	134694	AA	TT	1940482392
SNP_P1_221943_136561	NW_004516470.1	Scaffold1196	136561	TT	AA	1940482393
SNP_P1_221944_136617	NW_004516470.1	Scaffold1196	136617	GG	CC	1940482394
SNP_P1_221945_138608	NW_004516470.1	Scaffold1196	138608	CC	TT	1940482395
SNP_P1_221946_139910	NW_004516470.1	Scaffold1196	139910	TT	GG	1940482396
SNP_P1_221947_144419	NW_004516470.1	Scaffold1196	144419	CC	TT	1940482397
SNP_P1_221948_144738	NW_004516470.1	Scaffold1196	144738	CC	TT	1940482398
SNP_P1_221949_144755	NW_004516470.1	Scaffold1196	144755	TT	AA	1940482399
SNP_P1_221950_153078	NW_004516470.1	Scaffold1196	153078	AA	GG	1940482400
SNP_P1_221951_165515	NW_004516470.1	Scaffold1196	165515	GG	TT	1940482401
SNP_P1_221952_166629	NW_004516470.1	Scaffold1196	166629	GG	AA	1940482402
SNP_P1_221953_167267	NW_004516470.1	Scaffold1196	167267	CC	AA	1940482403
SNP_P1_221954_170920	NW_004516470.1	Scaffold1196	170920	CC	TT	1940482404
SNP_P1_221955_170921	NW_004516470.1	Scaffold1196	170921	CC	TT	1940482405
SNP_P1_221958_182743	NW_004516470.1	Scaffold1196	182743	AA	CC	1940482406
SNP_P1_221959_183028	NW_004516470.1	Scaffold1196	183028	CC	TT	1940482407
SNP_P1_221960_183621	NW_004516470.1	Scaffold1196	183621	AA	GG	1940482408
SNP_P1_221962_190031	NW_004516470.1	Scaffold1196	190031	CC	TT	1940482409
SNP_P1_221963_192878	NW_004516470.1	Scaffold1196	192878	TT	CC	1940482410
SNP_P1_221964_192950	NW_004516470.1	Scaffold1196	192950	CC	AA	1940482411
SNP_P1_221965_192985	NW_004516470.1	Scaffold1196	192985	AA	GG	1940482412
SNP_P1_221966_193027	NW_004516470.1	Scaffold1196	193027	AA	GG	1940482413
SNP_P1_221967_193226	NW_004516470.1	Scaffold1196	193226	TT	CC	1940482414
SNP_P1_221968_193304	NW_004516470.1	Scaffold1196	193304	AA	GG	1940482415
SNP_P1_221969_193367	NW_004516470.1	Scaffold1196	193367	AA	GG	1940482416
SNP_P1_221970_193393	NW_004516470.1	Scaffold1196	193393	CC	GG	1940482417
SNP_P1_221971_194646	NW_004516470.1	Scaffold1196	194646	CC	TT	1940482418
SNP_P1_221972_194753	NW_004516470.1	Scaffold1196	194753	CC	TT	1940482419
SNP_P1_221973_194772	NW_004516470.1	Scaffold1196	194772	TT	CC	1940482420
SNP_P1_221974_199931	NW_004516470.1	Scaffold1196	199931	GG	AA	1940482422
SNP_P1_221975_199959	NW_004516470.1	Scaffold1196	199959	GG	TT	1940482423
SNP_P1_221976_199970	NW_004516470.1	Scaffold1196	199970	CC	AA	1940482424
SNP_P1_221977_202470	NW_004516470.1	Scaffold1196	202470	GG	CC	1940482425
SNP_P1_221979_205914	NW_004516470.1	Scaffold1196	205914	CC	AA	1940482426
SNP_P1_221980_205962	NW_004516470.1	Scaffold1196	205962	CC	AA	1940482427
SNP_P1_221981_206566	NW_004516470.1	Scaffold1196	206566	AA	TT	1940482428
SNP_P1_221982_206789	NW_004516470.1	Scaffold1196	206789	GG	TT	1940482429
SNP_P1_221984_206946	NW_004516470.1	Scaffold1196	206946	AA	GG	1940482430
SNP_P1_221985_207287	NW_004516470.1	Scaffold1196	207287	AA	GG	1940482431
SNP_P1_221986_1249	NW_004516471.1	Scaffold1197	1249	CC	TT	1940482432
SNP_P1_221987_1396	NW_004516471.1	Scaffold1197	1396	AA	TT	1940482433

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_221988_5059	NW_004516471.1	Scaffold1197	5059	TT	CC	1940482434
SNP_P1_221990_5190	NW_004516471.1	Scaffold1197	5190	TT	CC	1940482435
SNP_P1_221991_5244	NW_004516471.1	Scaffold1197	5244	AA	CC	1940482436
SNP_P1_221992_5271	NW_004516471.1	Scaffold1197	5271	TT	AA	1940482437
SNP_P1_221993_5272	NW_004516471.1	Scaffold1197	5272	CC	AA	1940482438
SNP_P1_221994_5326	NW_004516471.1	Scaffold1197	5326	GG	AA	1940482439
SNP_P1_221995_5332	NW_004516471.1	Scaffold1197	5332	AA	GG	1940482440
SNP_P1_221996_5352	NW_004516471.1	Scaffold1197	5352	AA	GG	1940482441
SNP_P1_221997_5407	NW_004516471.1	Scaffold1197	5407	AA	GG	1940482442
SNP_P1_221998_5411	NW_004516471.1	Scaffold1197	5411	GG	AA	1940482443
SNP_P1_221999_5508	NW_004516471.1	Scaffold1197	5508	GG	AA	1940482444
SNP_P1_222000_5595	NW_004516471.1	Scaffold1197	5595	GG	AA	1940482445
SNP_P1_222001_5615	NW_004516471.1	Scaffold1197	5615	AA	GG	1940482446
SNP_P1_222002_5655	NW_004516471.1	Scaffold1197	5655	GG	TT	1940482447
SNP_P1_222003_5879	NW_004516471.1	Scaffold1197	5879	TT	AA	1940482448
SNP_P1_222004_5880	NW_004516471.1	Scaffold1197	5880	GG	TT	1940482449
SNP_P1_222005_5894	NW_004516471.1	Scaffold1197	5894	CC	AA	1940482450
SNP_P1_222006_6140	NW_004516471.1	Scaffold1197	6140	TT	CC	1940482451
SNP_P1_222007_6232	NW_004516471.1	Scaffold1197	6232	CC	TT	1940482452
SNP_P1_222008_6243	NW_004516471.1	Scaffold1197	6243	TT	CC	1940482453
SNP_P1_222009_9975	NW_004516471.1	Scaffold1197	9975	TT	CC	1940482454
SNP_P1_222010_19975	NW_004516471.1	Scaffold1197	19975	TT	CC	1940482455
SNP_P1_222011_19980	NW_004516471.1	Scaffold1197	19980	TT	CC	1940482456
SNP_P1_222012_23242	NW_004516471.1	Scaffold1197	23242	TT	AA	1940482457
SNP_P1_222013_25833	NW_004516471.1	Scaffold1197	25833	TT	CC	1940482458
SNP_P1_222014_25835	NW_004516471.1	Scaffold1197	25835	TT	AA	1940482459
SNP_P1_222015_25989	NW_004516471.1	Scaffold1197	25989	GG	AA	1940482460
SNP_P1_222016_26009	NW_004516471.1	Scaffold1197	26009	CC	AA	1940482461
SNP_P1_222017_26015	NW_004516471.1	Scaffold1197	26015	AA	CC	1940482462
SNP_P1_222018_26063	NW_004516471.1	Scaffold1197	26063	AA	TT	1940482463
SNP_P1_222019_28092	NW_004516471.1	Scaffold1197	28092	AA	GG	1940482464
SNP_P1_222020_28111	NW_004516471.1	Scaffold1197	28111	GG	AA	1940482465
SNP_P1_222021_38654	NW_004516471.1	Scaffold1197	38654	TT	CC	1940482466
SNP_P1_222022_38903	NW_004516471.1	Scaffold1197	38903	TT	CC	1940482467
SNP_P1_222023_40336	NW_004516471.1	Scaffold1197	40336	GG	AA	1940482468
SNP_P1_222024_44618	NW_004516471.1	Scaffold1197	44618	GG	AA	1940482469
SNP_P1_222025_48285	NW_004516471.1	Scaffold1197	48285	AA	GG	1940482470
SNP_P1_222026_54833	NW_004516471.1	Scaffold1197	54833	GG	AA	1940482471
SNP_P1_222027_58181	NW_004516471.1	Scaffold1197	58181	AA	TT	1940482472
SNP_P1_222028_58196	NW_004516471.1	Scaffold1197	58196	CC	TT	1940482473
SNP_P1_222029_58296	NW_004516471.1	Scaffold1197	58296	GG	AA	1940482474
SNP_P1_222030_58374	NW_004516471.1	Scaffold1197	58374	TT	CC	1940482475

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222032_58522	NW_004516471.1	Scaffold1197	58522	CC	TT	1940482477
SNP_P1_222033_58587	NW_004516471.1	Scaffold1197	58587	TT	AA	1940482478
SNP_P1_222034_58619	NW_004516471.1	Scaffold1197	58619	GG	AA	1940482479
SNP_P1_222035_58641	NW_004516471.1	Scaffold1197	58641	CC	AA	1940482480
SNP_P1_222036_58656	NW_004516471.1	Scaffold1197	58656	AA	GG	1940482481
SNP_P1_222037_67724	NW_004516471.1	Scaffold1197	67724	AA	GG	1940482482
SNP_P1_222038_68590	NW_004516471.1	Scaffold1197	68590	AA	GG	1940482483
SNP_P1_222039_69101	NW_004516471.1	Scaffold1197	69101	GG	AA	1940482484
SNP_P1_222040_72858	NW_004516471.1	Scaffold1197	72858	CC	AA	1940482485
SNP_P1_222042_80370	NW_004516471.1	Scaffold1197	80370	GG	CC	1940482486
SNP_P1_222043_82873	NW_004516471.1	Scaffold1197	82873	AA	TT	1940482487
SNP_P1_222044_82874	NW_004516471.1	Scaffold1197	82874	CC	TT	1940482488
SNP_P1_222045_82922	NW_004516471.1	Scaffold1197	82922	GG	TT	1940482489
SNP_P1_222047_87101	NW_004516471.1	Scaffold1197	87101	AA	GG	1940482490
SNP_P1_222048_87157	NW_004516471.1	Scaffold1197	87157	TT	CC	1940482491
SNP_P1_222049_87161	NW_004516471.1	Scaffold1197	87161	AA	GG	1940482492
SNP_P1_222050_87263	NW_004516471.1	Scaffold1197	87263	AA	TT	1940482493
SNP_P1_222051_87315	NW_004516471.1	Scaffold1197	87315	CC	TT	1940482494
SNP_P1_222052_87425	NW_004516471.1	Scaffold1197	87425	TT	AA	1940482495
SNP_P1_222053_88698	NW_004516471.1	Scaffold1197	88698	TT	AA	1940482496
SNP_P1_222057_136559	NW_004516471.1	Scaffold1197	136559	GG	AA	1940482497
SNP_P1_222058_138502	NW_004516471.1	Scaffold1197	138502	CC	TT	1940482498
SNP_P1_222059_142073	NW_004516471.1	Scaffold1197	142073	AA	GG	1940482499
SNP_P1_222060_142099	NW_004516471.1	Scaffold1197	142099	TT	CC	1940482500
SNP_P1_222061_142109	NW_004516471.1	Scaffold1197	142109	TT	AA	1940482501
SNP_P1_222062_142163	NW_004516471.1	Scaffold1197	142163	CC	TT	1940482502
SNP_P1_222063_142168	NW_004516471.1	Scaffold1197	142168	GG	CC	1940482503
SNP_P1_222064_142169	NW_004516471.1	Scaffold1197	142169	TT	CC	1940482504
SNP_P1_222065_142202	NW_004516471.1	Scaffold1197	142202	CC	AA	1940482505
SNP_P1_222066_142218	NW_004516471.1	Scaffold1197	142218	TT	AA	1940482506
SNP_P1_222067_142354	NW_004516471.1	Scaffold1197	142354	TT	CC	1940482507
SNP_P1_222069_142360	NW_004516471.1	Scaffold1197	142360	GG	AA	1940482508
SNP_P1_222070_142361	NW_004516471.1	Scaffold1197	142361	TT	CC	1940482509
SNP_P1_222071_142412	NW_004516471.1	Scaffold1197	142412	GG	CC	1940482510
SNP_P1_222072_142424	NW_004516471.1	Scaffold1197	142424	TT	CC	1940482511
SNP_P1_222073_142464	NW_004516471.1	Scaffold1197	142464	AA	GG	1940482512
SNP_P1_222074_147272	NW_004516471.1	Scaffold1197	147272	TT	CC	1940482513
SNP_P1_222075_151652	NW_004516471.1	Scaffold1197	151652	GG	AA	1940482514
SNP_P1_222076_151789	NW_004516471.1	Scaffold1197	151789	AA	GG	1940482515
SNP_P1_222077_156030	NW_004516471.1	Scaffold1197	156030	GG	CC	1940482516
SNP_P1_222079_173109	NW_004516471.1	Scaffold1197	173109	GG	AA	1940482517

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SNP_P1_222081_186736	NW_004516471.1	Scaffold1197	186736	TT	CC	1940482519
SNP_P1_222082_187928	NW_004516471.1	Scaffold1197	187928	CC	AA	1940482520
SNP_P1_222083_191500	NW_004516471.1	Scaffold1197	191500	CC	TT	1940482521
SNP_P1_222084_191505	NW_004516471.1	Scaffold1197	191505	TT	CC	1940482522
SNP_P1_222085_191663	NW_004516471.1	Scaffold1197	191663	AA	GG	1940482523
SNP_P1_222086_191693	NW_004516471.1	Scaffold1197	191693	GG	AA	1940482524
SNP_P1_222087_191723	NW_004516471.1	Scaffold1197	191723	CC	TT	1940482525
SNP_P1_222088_196631	NW_004516471.1	Scaffold1197	196631	CC	TT	1940482526
SNP_P1_222089_209586	NW_004516471.1	Scaffold1197	209586	TT	AA	1940482527
SNP_P1_222090_209600	NW_004516471.1	Scaffold1197	209600	AA	GG	1940482528
SNP_P1_222092_210213	NW_004516471.1	Scaffold1197	210213	GG	AA	1940482529
SNP_P1_222093_211311	NW_004516471.1	Scaffold1197	211311	CC	TT	1940482530
SNP_P1_222094_231238	NW_004516471.1	Scaffold1197	231238	TT	CC	1940482531
SNP_P1_222095_231246	NW_004516471.1	Scaffold1197	231246	GG	TT	1940482532
SNP_P1_222096_231267	NW_004516471.1	Scaffold1197	231267	AA	GG	1940482533
SNP_P1_222097_237169	NW_004516471.1	Scaffold1197	237169	CC	TT	1940482534
SNP_P1_222098_243859	NW_004516471.1	Scaffold1197	243859	GG	AA	1940482535
SNP_P1_222101_248574	NW_004516471.1	Scaffold1197	248574	CC	TT	1940482536
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SNP_P1_222103_260999	NW_004516471.1	Scaffold1197	260999	CC	TT	1940482538
SNP_P1_222104_268520	NW_004516471.1	Scaffold1197	268520	AA	GG	1940482539
SNP_P1_222105_268910	NW_004516471.1	Scaffold1197	268910	AA	CC	1940482540
SNP_P1_222106_269130	NW_004516471.1	Scaffold1197	269130	AA	CC	1940482541
SNP_P1_222107_278256	NW_004516471.1	Scaffold1197	278256	AA	CC	1940482542
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SNP_P1_222110_380569	NW_004516471.1	Scaffold1197	380569	AA	TT	1940482544
SNP_P1_222111_380611	NW_004516471.1	Scaffold1197	380611	GG	CC	1940482545
SNP_P1_222112_380661	NW_004516471.1	Scaffold1197	380661	CC	TT	1940482546
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SNP_P1_222114_380702	NW_004516471.1	Scaffold1197	380702	CC	TT	1940482548
SNP_P1_222115_419255	NW_004516471.1	Scaffold1197	419255	AA	GG	1940482549
SNP_P1_222116_419273	NW_004516471.1	Scaffold1197	419273	CC	TT	1940482550
SNP_P1_222117_427634	NW_004516471.1	Scaffold1197	427634	GG	AA	1940482551
SNP_P1_222118_427672	NW_004516471.1	Scaffold1197	427672	CC	TT	1940482552
SNP_P1_222119_427710	NW_004516471.1	Scaffold1197	427710	CC	AA	1940482553
SNP_P1_222120_432876	NW_004516471.1	Scaffold1197	432876	TT	AA	1940482554
SNP_P1_222121_432950	NW_004516471.1	Scaffold1197	432950	TT	AA	1940482555
SNP_P1_222122_433819	NW_004516471.1	Scaffold1197	433819	AA	CC	1940482556
SNP_P1_222123_439519	NW_004516471.1	Scaffold1197	439519	GG	AA	1940482557
SNP_P1_222125_447863	NW_004516471.1	Scaffold1197	447863	AA	GG	1940482558
SNP_P1_222126_447900	NW_004516471.1	Scaffold1197	447900	AA	CC	1940482559

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SNP_P1_222129_447991	NW_004516471.1	Scaffold1197	447991	AA	GG	1940482562
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SNP_P1_222135_510655	NW_004516471.1	Scaffold1197	510655	GG	AA	1940482567
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SNP_P1_222137_510709	NW_004516471.1	Scaffold1197	510709	CC	TT	1940482569
SNP_P1_222138_510760	NW_004516471.1	Scaffold1197	510760	TT	CC	1940482570
SNP_P1_222139_511060	NW_004516471.1	Scaffold1197	511060	AA	TT	1940482571
SNP_P1_222140_511145	NW_004516471.1	Scaffold1197	511145	TT	AA	1940482572
SNP_P1_222141_511169	NW_004516471.1	Scaffold1197	511169	GG	AA	1940482573
SNP_P1_222142_511189	NW_004516471.1	Scaffold1197	511189	GG	TT	1940482574
SNP_P1_222143_511190	NW_004516471.1	Scaffold1197	511190	AA	GG	1940482575
SNP_P1_222144_540953	NW_004516471.1	Scaffold1197	540953	AA	TT	1940482576
SNP_P1_222146_550231	NW_004516471.1	Scaffold1197	550231	TT	AA	1940482577
SNP_P1_222147_550239	NW_004516471.1	Scaffold1197	550239	TT	GG	1940482578
SNP_P1_222149_530	NW_004516472.1	Scaffold1198	530	TT	CC	1940482579
SNP_P1_222150_667	NW_004516472.1	Scaffold1198	667	AA	GG	1940482580
SNP_P1_222151_707	NW_004516472.1	Scaffold1198	707	AA	GG	1940482581
SNP_P1_222152_772	NW_004516472.1	Scaffold1198	772	CC	TT	1940482582
SNP_P1_222153_829	NW_004516472.1	Scaffold1198	829	TT	CC	1940482583
SNP_P1_222154_6253	NW_004516473.1	Scaffold1202	6253	AA	CC	1940482585
SNP_P1_222158_29882	NW_004516473.1	Scaffold1202	29882	TT	CC	1940482586
SNP_P1_222159_41648	NW_004516473.1	Scaffold1202	41648	TT	GG	1940482587
SNP_P1_222160_49860	NW_004516473.1	Scaffold1202	49860	CC	AA	1940482588
SNP_P1_222161_68953	NW_004516473.1	Scaffold1202	68953	GG	CC	1940482589
SNP_P1_222162_68954	NW_004516473.1	Scaffold1202	68954	AA	TT	1940482590
SNP_P1_222165_82619	NW_004516473.1	Scaffold1202	82619	AA	GG	1940482591
SNP_P1_222167_87206	NW_004516473.1	Scaffold1202	87206	TT	AA	1940482592
SNP_P1_222168_111890	NW_004516473.1	Scaffold1202	111890	CC	GG	1940482593
SNP_P1_222170_135080	NW_004516473.1	Scaffold1202	135080	GG	CC	1940482594
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SNP_P1_222173_166085	NW_004516473.1	Scaffold1202	166085	GG	AA	1940482596
SNP_P1_222174_176908	NW_004516473.1	Scaffold1202	176908	AA	TT	1940482597
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SNP_P1_222176_177004	NW_004516473.1	Scaffold1202	177004	CC	GG	1940482599
SNP_P1_222177_177022	NW_004516473.1	Scaffold1202	177022	CC	GG	1940482600
SNP_P1_222178_177025	NW_004516473.1	Scaffold1202	177025	TT	CC	1940482601
SNP_P1_222179_177033	NW_004516473.1	Scaffold1202	177033	TT	CC	1940482602

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222183_178507	NW_004516473.1	Scaffold1202	178507	TT	GG	1940482605
SNP_P1_222184_178509	NW_004516473.1	Scaffold1202	178509	GG	AA	1940482606
SNP_P1_222185_178560	NW_004516473.1	Scaffold1202	178560	TT	CC	1940482607
SNP_P1_222186_178562	NW_004516473.1	Scaffold1202	178562	TT	GG	1940482608
SNP_P1_222188_178845	NW_004516473.1	Scaffold1202	178845	TT	AA	1940482609
SNP_P1_222189_178880	NW_004516473.1	Scaffold1202	178880	TT	CC	1940482610
SNP_P1_222190_178898	NW_004516473.1	Scaffold1202	178898	TT	CC	1940482611
SNP_P1_222191_178917	NW_004516473.1	Scaffold1202	178917	AA	GG	1940482612
SNP_P1_222192_178927	NW_004516473.1	Scaffold1202	178927	CC	GG	1940482613
SNP_P1_222193_178992	NW_004516473.1	Scaffold1202	178992	CC	GG	1940482614
SNP_P1_222194_178999	NW_004516473.1	Scaffold1202	178999	AA	GG	1940482615
SNP_P1_222195_179056	NW_004516473.1	Scaffold1202	179056	AA	GG	1940482616
SNP_P1_222196_179069	NW_004516473.1	Scaffold1202	179069	AA	GG	1940482617
SNP_P1_222197_179089	NW_004516473.1	Scaffold1202	179089	TT	CC	1940482618
SNP_P1_222198_179095	NW_004516473.1	Scaffold1202	179095	AA	GG	1940482619
SNP_P1_222199_179096	NW_004516473.1	Scaffold1202	179096	AA	GG	1940482620
SNP_P1_222200_179098	NW_004516473.1	Scaffold1202	179098	GG	TT	1940482621
SNP_P1_222201_179127	NW_004516473.1	Scaffold1202	179127	AA	GG	1940482622
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SNP_P1_222203_179152	NW_004516473.1	Scaffold1202	179152	AA	GG	1940482624
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SNP_P1_222206_179221	NW_004516473.1	Scaffold1202	179221	GG	CC	1940482627
SNP_P1_222207_179272	NW_004516473.1	Scaffold1202	179272	AA	GG	1940482628
SNP_P1_222208_179290	NW_004516473.1	Scaffold1202	179290	AA	GG	1940482629
SNP_P1_222210_179488	NW_004516473.1	Scaffold1202	179488	TT	GG	1940482630
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SNP_P1_222212_179503	NW_004516473.1	Scaffold1202	179503	AA	GG	1940482632
SNP_P1_222213_179517	NW_004516473.1	Scaffold1202	179517	AA	GG	1940482633
SNP_P1_222214_179556	NW_004516473.1	Scaffold1202	179556	TT	GG	1940482634
SNP_P1_222215_179574	NW_004516473.1	Scaffold1202	179574	CC	TT	1940482635
SNP_P1_222217_179622	NW_004516473.1	Scaffold1202	179622	AA	GG	1940482636
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SNP_P1_222219_179743	NW_004516473.1	Scaffold1202	179743	AA	GG	1940482638
SNP_P1_222220_179752	NW_004516473.1	Scaffold1202	179752	AA	GG	1940482639
SNP_P1_222221_179754	NW_004516473.1	Scaffold1202	179754	CC	GG	1940482640
SNP_P1_222222_179781	NW_004516473.1	Scaffold1202	179781	AA	GG	1940482641
SNP_P1_222223_179808	NW_004516473.1	Scaffold1202	179808	AA	GG	1940482642
SNP_P1_222224_182481	NW_004516473.1	Scaffold1202	182481	TT	GG	1940482643
SNP_P1_222225_183386	NW_004516473.1	Scaffold1202	183386	AA	CC	1940482644

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222228_183631	NW_004516473.1	Scaffold1202	183631	TT	AA	1940482646
SNP_P1_222229_183660	NW_004516473.1	Scaffold1202	183660	AA	GG	1940482647
SNP_P1_222230_183675	NW_004516473.1	Scaffold1202	183675	TT	CC	1940482648
SNP_P1_222231_183693	NW_004516473.1	Scaffold1202	183693	AA	TT	1940482649
SNP_P1_222232_183703	NW_004516473.1	Scaffold1202	183703	AA	CC	1940482650
SNP_P1_222233_183751	NW_004516473.1	Scaffold1202	183751	AA	CC	1940482651
SNP_P1_222234_183752	NW_004516473.1	Scaffold1202	183752	CC	TT	1940482652
SNP_P1_222235_183755	NW_004516473.1	Scaffold1202	183755	AA	GG	1940482653
SNP_P1_222237_184623	NW_004516473.1	Scaffold1202	184623	GG	AA	1940482654
SNP_P1_222240_190431	NW_004516473.1	Scaffold1202	190431	GG	AA	1940482655
SNP_P1_222241_190447	NW_004516473.1	Scaffold1202	190447	CC	TT	1940482656
SNP_P1_222242_190651	NW_004516473.1	Scaffold1202	190651	AA	CC	1940482657
SNP_P1_222243_190770	NW_004516473.1	Scaffold1202	190770	AA	CC	1940482658
SNP_P1_222244_190791	NW_004516473.1	Scaffold1202	190791	AA	TT	1940482659
SNP_P1_222245_190857	NW_004516473.1	Scaffold1202	190857	CC	AA	1940482660
SNP_P1_222246_190899	NW_004516473.1	Scaffold1202	190899	GG	TT	1940482661
SNP_P1_222247_190908	NW_004516473.1	Scaffold1202	190908	CC	AA	1940482662
SNP_P1_222248_190913	NW_004516473.1	Scaffold1202	190913	AA	GG	1940482663
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SNP_P1_222250_204206	NW_004516473.1	Scaffold1202	204206	GG	CC	1940482665
SNP_P1_222251_227553	NW_004516473.1	Scaffold1202	227553	AA	GG	1940482666
SNP_P1_222252_227605	NW_004516473.1	Scaffold1202	227605	GG	AA	1940482667
SNP_P1_222253_227640	NW_004516473.1	Scaffold1202	227640	AA	GG	1940482668
SNP_P1_222254_227644	NW_004516473.1	Scaffold1202	227644	AA	TT	1940482669
SNP_P1_222255_227685	NW_004516473.1	Scaffold1202	227685	GG	AA	1940482670
SNP_P1_222256_227688	NW_004516473.1	Scaffold1202	227688	CC	TT	1940482671
SNP_P1_222257_227716	NW_004516473.1	Scaffold1202	227716	GG	TT	1940482672
SNP_P1_222258_227728	NW_004516473.1	Scaffold1202	227728	AA	GG	1940482673
SNP_P1_222259_227734	NW_004516473.1	Scaffold1202	227734	TT	CC	1940482674
SNP_P1_222260_227754	NW_004516473.1	Scaffold1202	227754	GG	AA	1940482675
SNP_P1_222261_227809	NW_004516473.1	Scaffold1202	227809	AA	GG	1940482676
SNP_P1_222262_227903	NW_004516473.1	Scaffold1202	227903	GG	AA	1940482677
SNP_P1_222263_227957	NW_004516473.1	Scaffold1202	227957	CC	AA	1940482678
SNP_P1_222264_227971	NW_004516473.1	Scaffold1202	227971	AA	GG	1940482679
SNP_P1_222265_228080	NW_004516473.1	Scaffold1202	228080	CC	AA	1940482680
SNP_P1_222266_228137	NW_004516473.1	Scaffold1202	228137	TT	CC	1940482681
SNP_P1_222267_228168	NW_004516473.1	Scaffold1202	228168	CC	GG	1940482682
SNP_P1_222268_228179	NW_004516473.1	Scaffold1202	228179	AA	GG	1940482683
SNP_P1_222269_228256	NW_004516473.1	Scaffold1202	228256	TT	CC	1940482684
SNP_P1_222270_228289	NW_004516473.1	Scaffold1202	228289	GG	CC	1940482685
SNP_P1_222271_228654	NW_004516473.1	Scaffold1202	228654	CC	TT	1940482686

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222273_234737	NW_004516473.1	Scaffold1202	234737	GG	TT	1940482688
SNP_P1_222274_234803	NW_004516473.1	Scaffold1202	234803	GG	AA	1940482689
SNP_P1_222275_235067	NW_004516473.1	Scaffold1202	235067	GG	AA	1940482690
SNP_P1_222276_248335	NW_004516473.1	Scaffold1202	248335	AA	GG	1940482691
SNP_P1_222277_248506	NW_004516473.1	Scaffold1202	248506	TT	AA	1940482692
SNP_P1_222278_251170	NW_004516473.1	Scaffold1202	251170	GG	AA	1940482693
SNP_P1_222279_267499	NW_004516473.1	Scaffold1202	267499	CC	GG	1940482694
SNP_P1_222280_270445	NW_004516473.1	Scaffold1202	270445	TT	AA	1940482695
SNP_P1_222281_272070	NW_004516473.1	Scaffold1202	272070	TT	AA	1940482696
SNP_P1_222282_275585	NW_004516473.1	Scaffold1202	275585	GG	CC	1940482697
SNP_P1_222283_284100	NW_004516473.1	Scaffold1202	284100	CC	GG	1940482698
SNP_P1_222284_284103	NW_004516473.1	Scaffold1202	284103	TT	CC	1940482699
SNP_P1_222285_284112	NW_004516473.1	Scaffold1202	284112	GG	AA	1940482700
SNP_P1_222286_284124	NW_004516473.1	Scaffold1202	284124	AA	GG	1940482701
SNP_P1_222287_284142	NW_004516473.1	Scaffold1202	284142	CC	AA	1940482702
SNP_P1_222288_284610	NW_004516473.1	Scaffold1202	284610	TT	GG	1940482703
SNP_P1_222289_289014	NW_004516473.1	Scaffold1202	289014	GG	CC	1940482704
SNP_P1_222290_289383	NW_004516473.1	Scaffold1202	289383	GG	AA	1940482705
SNP_P1_222291_289405	NW_004516473.1	Scaffold1202	289405	AA	CC	1940482706
SNP_P1_222293_463	NW_004516474.1	Scaffold1206	463	CC	TT	1940482707
SNP_P1_222294_616	NW_004516474.1	Scaffold1206	616	GG	AA	1940482708
SNP_P1_222295_653	NW_004516474.1	Scaffold1206	653	GG	CC	1940482709
SNP_P1_222296_681	NW_004516474.1	Scaffold1206	681	AA	GG	1940482710
SNP_P1_222297_709	NW_004516474.1	Scaffold1206	709	AA	GG	1940482711
SNP_P1_222299_950	NW_004516474.1	Scaffold1206	950	CC	GG	1940482712
SNP_P1_222300_993	NW_004516474.1	Scaffold1206	993	TT	CC	1940482713
SNP_P1_222301_995	NW_004516474.1	Scaffold1206	995	GG	AA	1940482714
SNP_P1_222302_4542	NW_004516475.1	Scaffold1207	4542	TT	AA	1940482715
SNP_P1_222303_660	NW_004516476.1	Scaffold1210	660	GG	CC	1940482716
SNP_P1_222304_5657	NW_004516477.1	Scaffold1212	5657	CC	GG	1940482717
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SNP_P1_222311_12627	NW_004516479.1	Scaffold1215	12627	CC	AA	1940482723
SNP_P1_222313_12752	NW_004516479.1	Scaffold1215	12752	TT	CC	1940482724
SNP_P1_222314_12824	NW_004516479.1	Scaffold1215	12824	TT	CC	1940482725
SNP_P1_222315_12891	NW_004516479.1	Scaffold1215	12891	GG	TT	1940482726
SNP_P1_222316_12941	NW_004516479.1	Scaffold1215	12941	TT	GG	1940482727
SNP_P1_222318_13026	NW_004516479.1	Scaffold1215	13026	AA	GG	1940482728

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222321_13129	NW_004516479.1	Scaffold1215	13129	CC	TT	1940482731
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SNP_P1_222323_13151	NW_004516479.1	Scaffold1215	13151	AA	GG	1940482733
SNP_P1_222324_13188	NW_004516479.1	Scaffold1215	13188	TT	AA	1940482734
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SNP_P1_222326_13249	NW_004516479.1	Scaffold1215	13249	GG	AA	1940482736
SNP_P1_222327_13351	NW_004516479.1	Scaffold1215	13351	GG	AA	1940482737
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SNP_P1_222329_13398	NW_004516479.1	Scaffold1215	13398	TT	CC	1940482739
SNP_P1_222330_13482	NW_004516479.1	Scaffold1215	13482	GG	TT	1940482740
SNP_P1_222331_13495	NW_004516479.1	Scaffold1215	13495	GG	TT	1940482741
SNP_P1_222332_13539	NW_004516479.1	Scaffold1215	13539	AA	GG	1940482742
SNP_P1_222333_13610	NW_004516479.1	Scaffold1215	13610	GG	AA	1940482743
SNP_P1_222335_13674	NW_004516479.1	Scaffold1215	13674	CC	TT	1940482744
SNP_P1_222336_13746	NW_004516479.1	Scaffold1215	13746	AA	TT	1940482745
SNP_P1_222337_14031	NW_004516479.1	Scaffold1215	14031	CC	TT	1940482746
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SNP_P1_222341_14207	NW_004516479.1	Scaffold1215	14207	TT	GG	1940482750
SNP_P1_222342_14340	NW_004516479.1	Scaffold1215	14340	TT	CC	1940482751
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SNP_P1_222344_14405	NW_004516479.1	Scaffold1215	14405	GG	AA	1940482753
SNP_P1_222345_14434	NW_004516479.1	Scaffold1215	14434	CC	GG	1940482754
SNP_P1_222346_16811	NW_004516479.1	Scaffold1215	16811	GG	CC	1940482755
SNP_P1_222347_16925	NW_004516479.1	Scaffold1215	16925	AA	TT	1940482756
SNP_P1_222348_16929	NW_004516479.1	Scaffold1215	16929	TT	AA	1940482757
SNP_P1_222349_16943	NW_004516479.1	Scaffold1215	16943	TT	AA	1940482758
SNP_P1_222350_16948	NW_004516479.1	Scaffold1215	16948	GG	TT	1940482759
SNP_P1_222351_16969	NW_004516479.1	Scaffold1215	16969	GG	AA	1940482760
SNP_P1_222352_17303	NW_004516479.1	Scaffold1215	17303	AA	GG	1940482761
SNP_P1_222353_17941	NW_004516479.1	Scaffold1215	17941	AA	CC	1940482762
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SNP_P1_222357_35731	NW_004516479.1	Scaffold1215	35731	GG	AA	1940482766
SNP_P1_222358_35764	NW_004516479.1	Scaffold1215	35764	AA	GG	1940482767
SNP_P1_222359_35854	NW_004516479.1	Scaffold1215	35854	GG	CC	1940482768
SNP_P1_222360_35857	NW_004516479.1	Scaffold1215	35857	GG	AA	1940482769
SNP_P1_222361_35876	NW_004516479.1	Scaffold1215	35876	GG	AA	1940482770
SNP_P1_222362_35885	NW_004516479.1	Scaffold1215	35885	TT	AA	1940482771

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222364_35930	NW_004516479.1	Scaffold1215	35930	CC	TT	1940482773
SNP_P1_222365_35936	NW_004516479.1	Scaffold1215	35936	CC	AA	1940482774
SNP_P1_222366_35942	NW_004516479.1	Scaffold1215	35942	AA	TT	1940482775
SNP_P1_222367_35943	NW_004516479.1	Scaffold1215	35943	TT	AA	1940482776
SNP_P1_222368_35986	NW_004516479.1	Scaffold1215	35986	TT	CC	1940482777
SNP_P1_222369_36174	NW_004516479.1	Scaffold1215	36174	GG	AA	1940482778
SNP_P1_222370_36175	NW_004516479.1	Scaffold1215	36175	GG	CC	1940482779
SNP_P1_222371_36225	NW_004516479.1	Scaffold1215	36225	TT	AA	1940482780
SNP_P1_222372_36264	NW_004516479.1	Scaffold1215	36264	TT	CC	1940482781
SNP_P1_222373_36314	NW_004516479.1	Scaffold1215	36314	GG	AA	1940482782
SNP_P1_222374_36381	NW_004516479.1	Scaffold1215	36381	GG	AA	1940482783
SNP_P1_222375_38371	NW_004516479.1	Scaffold1215	38371	AA	GG	1940482784
SNP_P1_222376_38793	NW_004516479.1	Scaffold1215	38793	TT	CC	1940482785
SNP_P1_222377_41363	NW_004516479.1	Scaffold1215	41363	AA	GG	1940482786
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SNP_P1_222385_43906	NW_004516479.1	Scaffold1215	43906	AA	TT	1940482793
SNP_P1_222386_44423	NW_004516479.1	Scaffold1215	44423	TT	CC	1940482794
SNP_P1_222387_44447	NW_004516479.1	Scaffold1215	44447	AA	TT	1940482795
SNP_P1_222388_44610	NW_004516479.1	Scaffold1215	44610	TT	CC	1940482796
SNP_P1_222390_44650	NW_004516479.1	Scaffold1215	44650	CC	TT	1940482797
SNP_P1_222391_44672	NW_004516479.1	Scaffold1215	44672	AA	TT	1940482798
SNP_P1_222393_45699	NW_004516479.1	Scaffold1215	45699	GG	AA	1940482799
SNP_P1_222395_46392	NW_004516479.1	Scaffold1215	46392	CC	TT	1940482800
SNP_P1_222396_192	NW_004516480.1	Scaffold1216	192	TT	GG	1940482801
SNP_P1_222397_193	NW_004516480.1	Scaffold1216	193	CC	GG	1940482802
SNP_P1_222398_202	NW_004516480.1	Scaffold1216	202	AA	GG	1940482803
SNP_P1_222399_245	NW_004516480.1	Scaffold1216	245	GG	AA	1940482804
SNP_P1_222400_269	NW_004516480.1	Scaffold1216	269	TT	AA	1940482805
SNP_P1_222401_305	NW_004516480.1	Scaffold1216	305	AA	GG	1940482806
SNP_P1_222402_364	NW_004516480.1	Scaffold1216	364	GG	AA	1940482807
SNP_P1_222403_404	NW_004516480.1	Scaffold1216	404	CC	TT	1940482808
SNP_P1_222404_486	NW_004516480.1	Scaffold1216	486	CC	TT	1940482809
SNP_P1_222405_549	NW_004516480.1	Scaffold1216	549	TT	AA	1940482810
SNP_P1_222406_935	NW_004516480.1	Scaffold1216	935	AA	TT	1940482811
SNP_P1_222407_3404	NW_004516480.1	Scaffold1216	3404	GG	CC	1940482812
SNP_P1_222408_3656	NW_004516480.1	Scaffold1216	3656	CC	TT	1940482813

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222411_4210	NW_004516480.1	Scaffold1216	4210	GG	TT	1940482816
SNP_P1_222412_4555	NW_004516480.1	Scaffold1216	4555	CC	TT	1940482817
SNP_P1_222413_4609	NW_004516480.1	Scaffold1216	4609	AA	GG	1940482818
SNP_P1_222414_4643	NW_004516480.1	Scaffold1216	4643	AA	TT	1940482819
SNP_P1_222415_4701	NW_004516480.1	Scaffold1216	4701	GG	AA	1940482820
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SNP_P1_222417_4842	NW_004516480.1	Scaffold1216	4842	TT	CC	1940482822
SNP_P1_222418_4844	NW_004516480.1	Scaffold1216	4844	GG	AA	1940482823
SNP_P1_222419_5118	NW_004516480.1	Scaffold1216	5118	AA	TT	1940482824
SNP_P1_222420_5128	NW_004516480.1	Scaffold1216	5128	AA	GG	1940482825
SNP_P1_222421_5176	NW_004516480.1	Scaffold1216	5176	TT	CC	1940482826
SNP_P1_222422_5200	NW_004516480.1	Scaffold1216	5200	GG	TT	1940482827
SNP_P1_222423_5209	NW_004516480.1	Scaffold1216	5209	CC	TT	1940482828
SNP_P1_222424_5234	NW_004516480.1	Scaffold1216	5234	AA	TT	1940482829
SNP_P1_222425_5239	NW_004516480.1	Scaffold1216	5239	TT	CC	1940482830
SNP_P1_222426_9938	NW_004516480.1	Scaffold1216	9938	AA	GG	1940482831
SNP_P1_222427_12659	NW_004516480.1	Scaffold1216	12659	GG	TT	1940482832
SNP_P1_222428_12775	NW_004516480.1	Scaffold1216	12775	TT	CC	1940482833
SNP_P1_222429_12890	NW_004516480.1	Scaffold1216	12890	AA	GG	1940482834
SNP_P1_222430_13072	NW_004516480.1	Scaffold1216	13072	TT	AA	1940482835
SNP_P1_222431_13266	NW_004516480.1	Scaffold1216	13266	CC	TT	1940482836
SNP_P1_222432_13290	NW_004516480.1	Scaffold1216	13290	CC	TT	1940482837
SNP_P1_222433_13308	NW_004516480.1	Scaffold1216	13308	TT	AA	1940482838
SNP_P1_222434_13360	NW_004516480.1	Scaffold1216	13360	GG	CC	1940482839
SNP_P1_222435_13444	NW_004516480.1	Scaffold1216	13444	GG	TT	1940482840
SNP_P1_222436_13447	NW_004516480.1	Scaffold1216	13447	AA	TT	1940482841
SNP_P1_222437_13713	NW_004516480.1	Scaffold1216	13713	GG	AA	1940482842
SNP_P1_222438_13758	NW_004516480.1	Scaffold1216	13758	AA	CC	1940482843
SNP_P1_222439_14115	NW_004516480.1	Scaffold1216	14115	AA	TT	1940482844
SNP_P1_222440_14207	NW_004516480.1	Scaffold1216	14207	AA	TT	1940482845
SNP_P1_222441_14267	NW_004516480.1	Scaffold1216	14267	CC	TT	1940482846
SNP_P1_222442_14844	NW_004516480.1	Scaffold1216	14844	TT	GG	1940482847
SNP_P1_222443_14871	NW_004516480.1	Scaffold1216	14871	AA	GG	1940482848
SNP_P1_222444_14885	NW_004516480.1	Scaffold1216	14885	TT	CC	1940482849
SNP_P1_222445_15619	NW_004516480.1	Scaffold1216	15619	TT	CC	1940482850
SNP_P1_222446_15785	NW_004516480.1	Scaffold1216	15785	AA	GG	1940482851
SNP_P1_222447_15786	NW_004516480.1	Scaffold1216	15786	AA	GG	1940482852
SNP_P1_222448_16054	NW_004516480.1	Scaffold1216	16054	GG	CC	1940482853
SNP_P1_222449_16109	NW_004516480.1	Scaffold1216	16109	GG	AA	1940482854
SNP_P1_222450_16162	NW_004516480.1	Scaffold1216	16162	AA	TT	1940482855

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222453_16418	NW_004516480.1	Scaffold1216	16418	GG	TT	1940482858
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SNP_P1_222456_16504	NW_004516480.1	Scaffold1216	16504	TT	CC	1940482861
SNP_P1_222457_16552	NW_004516480.1	Scaffold1216	16552	GG	AA	1940482862
SNP_P1_222458_16701	NW_004516480.1	Scaffold1216	16701	AA	TT	1940482863
SNP_P1_222459_16745	NW_004516480.1	Scaffold1216	16745	CC	TT	1940482864
SNP_P1_222460_16756	NW_004516480.1	Scaffold1216	16756	TT	AA	1940482865
SNP_P1_222461_16814	NW_004516480.1	Scaffold1216	16814	CC	AA	1940482866
SNP_P1_222462_16816	NW_004516480.1	Scaffold1216	16816	GG	CC	1940482867
SNP_P1_222463_16878	NW_004516480.1	Scaffold1216	16878	TT	AA	1940482868
SNP_P1_222464_16918	NW_004516480.1	Scaffold1216	16918	AA	GG	1940482869
SNP_P1_222465_16944	NW_004516480.1	Scaffold1216	16944	AA	GG	1940482870
SNP_P1_222466_16955	NW_004516480.1	Scaffold1216	16955	CC	TT	1940482871
SNP_P1_222467_17014	NW_004516480.1	Scaffold1216	17014	TT	CC	1940482872
SNP_P1_222468_17025	NW_004516480.1	Scaffold1216	17025	GG	CC	1940482873
SNP_P1_222469_17064	NW_004516480.1	Scaffold1216	17064	TT	CC	1940482874
SNP_P1_222470_17105	NW_004516480.1	Scaffold1216	17105	TT	AA	1940482875
SNP_P1_222471_17113	NW_004516480.1	Scaffold1216	17113	AA	GG	1940482876
SNP_P1_222472_17186	NW_004516480.1	Scaffold1216	17186	GG	TT	1940482877
SNP_P1_222473_17349	NW_004516480.1	Scaffold1216	17349	AA	TT	1940482878
SNP_P1_222474_17552	NW_004516480.1	Scaffold1216	17552	TT	CC	1940482879
SNP_P1_222475_20501	NW_004516480.1	Scaffold1216	20501	CC	TT	1940482880
SNP_P1_222476_20523	NW_004516480.1	Scaffold1216	20523	AA	TT	1940482881
SNP_P1_222477_20551	NW_004516480.1	Scaffold1216	20551	AA	GG	1940482882
SNP_P1_222478_20581	NW_004516480.1	Scaffold1216	20581	TT	GG	1940482883
SNP_P1_222479_20583	NW_004516480.1	Scaffold1216	20583	CC	TT	1940482884
SNP_P1_222480_20631	NW_004516480.1	Scaffold1216	20631	AA	TT	1940482885
SNP_P1_222481_20633	NW_004516480.1	Scaffold1216	20633	GG	TT	1940482886
SNP_P1_222482_20653	NW_004516480.1	Scaffold1216	20653	GG	CC	1940482887
SNP_P1_222483_20780	NW_004516480.1	Scaffold1216	20780	GG	CC	1940482888
SNP_P1_222484_20791	NW_004516480.1	Scaffold1216	20791	AA	TT	1940482889
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SNP_P1_222486_20816	NW_004516480.1	Scaffold1216	20816	TT	CC	1940482891
SNP_P1_222487_21006	NW_004516480.1	Scaffold1216	21006	GG	AA	1940482892
SNP_P1_222488_21062	NW_004516480.1	Scaffold1216	21062	AA	GG	1940482893
SNP_P1_222489_21267	NW_004516480.1	Scaffold1216	21267	TT	AA	1940482894
SNP_P1_222490_21393	NW_004516480.1	Scaffold1216	21393	GG	CC	1940482895
SNP_P1_222491_21541	NW_004516480.1	Scaffold1216	21541	CC	GG	1940482896
SNP_P1_222492_21573	NW_004516480.1	Scaffold1216	21573	GG	AA	1940482897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222494_21865	NW_004516480.1	Scaffold1216	21865	GG	AA	1940482899
SNP_P1_222495_21868	NW_004516480.1	Scaffold1216	21868	CC	AA	1940482900
SNP_P1_222496_22111	NW_004516480.1	Scaffold1216	22111	TT	AA	1940482901
SNP_P1_222497_22128	NW_004516480.1	Scaffold1216	22128	CC	AA	1940482902
SNP_P1_222498_22157	NW_004516480.1	Scaffold1216	22157	AA	TT	1940482903
SNP_P1_222499_6381	NW_004516482.1	Scaffold1219	6381	AA	GG	1940482904
SNP_P1_222500_6475	NW_004516482.1	Scaffold1219	6475	GG	AA	1940482905
SNP_P1_222501_6656	NW_004516482.1	Scaffold1219	6656	GG	AA	1940482906
SNP_P1_222502_6965	NW_004516482.1	Scaffold1219	6965	AA	TT	1940482907
SNP_P1_222503_6985	NW_004516482.1	Scaffold1219	6985	TT	CC	1940482908
SNP_P1_222504_6991	NW_004516482.1	Scaffold1219	6991	GG	AA	1940482910
SNP_P1_222505_7034	NW_004516482.1	Scaffold1219	7034	CC	TT	1940482911
SNP_P1_222506_7073	NW_004516482.1	Scaffold1219	7073	AA	TT	1940482912
SNP_P1_222507_7087	NW_004516482.1	Scaffold1219	7087	TT	GG	1940482913
SNP_P1_222508_7108	NW_004516482.1	Scaffold1219	7108	GG	AA	1940482914
SNP_P1_222510_7214	NW_004516482.1	Scaffold1219	7214	TT	CC	1940482915
SNP_P1_222511_7308	NW_004516482.1	Scaffold1219	7308	GG	TT	1940482916
SNP_P1_222513_7783	NW_004516482.1	Scaffold1219	7783	TT	AA	1940482917
SNP_P1_222514_10785	NW_004516482.1	Scaffold1219	10785	AA	TT	1940482918
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SNP_P1_222516_11078	NW_004516482.1	Scaffold1219	11078	GG	AA	1940482920
SNP_P1_222517_11097	NW_004516482.1	Scaffold1219	11097	TT	CC	1940482921
SNP_P1_222518_11137	NW_004516482.1	Scaffold1219	11137	TT	CC	1940482922
SNP_P1_222519_11324	NW_004516482.1	Scaffold1219	11324	CC	TT	1940482923
SNP_P1_222520_11383	NW_004516482.1	Scaffold1219	11383	AA	GG	1940482924
SNP_P1_222521_11385	NW_004516482.1	Scaffold1219	11385	AA	TT	1940482925
SNP_P1_222522_11445	NW_004516482.1	Scaffold1219	11445	TT	GG	1940482926
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SNP_P1_222524_11504	NW_004516482.1	Scaffold1219	11504	CC	TT	1940482928
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SNP_P1_222526_11602	NW_004516482.1	Scaffold1219	11602	AA	TT	1940482930
SNP_P1_222527_11751	NW_004516482.1	Scaffold1219	11751	TT	CC	1940482931
SNP_P1_222528_11777	NW_004516482.1	Scaffold1219	11777	AA	GG	1940482932
SNP_P1_222529_11840	NW_004516482.1	Scaffold1219	11840	AA	GG	1940482933
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SNP_P1_222531_13367	NW_004516482.1	Scaffold1219	13367	CC	AA	1940482935
SNP_P1_222532_14923	NW_004516482.1	Scaffold1219	14923	CC	TT	1940482936
SNP_P1_222533_15245	NW_004516482.1	Scaffold1219	15245	TT	GG	1940482937
SNP_P1_222534_16404	NW_004516482.1	Scaffold1219	16404	CC	TT	1940482938
SNP_P1_222535_16442	NW_004516482.1	Scaffold1219	16442	CC	AA	1940482939
SNP_P1_222536_16513	NW_004516482.1	Scaffold1219	16513	TT	GG	1940482940

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222539_16706	NW_004516482.1	Scaffold1219	16706	GG	TT	1940482943
SNP_P1_222540_28886	NW_004516482.1	Scaffold1219	28886	AA	GG	1940482944
SNP_P1_222541_29147	NW_004516482.1	Scaffold1219	29147	CC	TT	1940482945
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SNP_P1_222543_39627	NW_004516482.1	Scaffold1219	39627	AA	TT	1940482947
SNP_P1_222544_39964	NW_004516482.1	Scaffold1219	39964	TT	CC	1940482948
SNP_P1_222545_39981	NW_004516482.1	Scaffold1219	39981	AA	TT	1940482949
SNP_P1_222548_54163	NW_004516482.1	Scaffold1219	54163	GG	CC	1940482950
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SNP_P1_222550_102996	NW_004516482.1	Scaffold1219	102996	AA	GG	1940482952
SNP_P1_222551_103048	NW_004516482.1	Scaffold1219	103048	TT	CC	1940482953
SNP_P1_222552_103068	NW_004516482.1	Scaffold1219	103068	TT	CC	1940482954
SNP_P1_222553_103368	NW_004516482.1	Scaffold1219	103368	AA	CC	1940482955
SNP_P1_222554_112103	NW_004516482.1	Scaffold1219	112103	GG	AA	1940482956
SNP_P1_222555_112133	NW_004516482.1	Scaffold1219	112133	AA	GG	1940482957
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SNP_P1_222558_117646	NW_004516482.1	Scaffold1219	117646	GG	AA	1940482960
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SNP_P1_222567_9141	NW_004516484.1	Scaffold1221	9141	AA	GG	1940482969
SNP_P1_222569_32260	NW_004516484.1	Scaffold1221	32260	CC	TT	1940482970
SNP_P1_222570_42648	NW_004516484.1	Scaffold1221	42648	AA	GG	1940482971
SNP_P1_222571_42806	NW_004516484.1	Scaffold1221	42806	GG	CC	1940482972
SNP_P1_222572_42866	NW_004516484.1	Scaffold1221	42866	GG	CC	1940482973
SNP_P1_222574_46925	NW_004516484.1	Scaffold1221	46925	CC	TT	1940482974
SNP_P1_222575_47239	NW_004516484.1	Scaffold1221	47239	TT	AA	1940482975
SNP_P1_222576_49059	NW_004516484.1	Scaffold1221	49059	AA	TT	1940482976
SNP_P1_222577_69745	NW_004516484.1	Scaffold1221	69745	CC	TT	1940482977
SNP_P1_222579_77238	NW_004516484.1	Scaffold1221	77238	AA	GG	1940482978
SNP_P1_222580_77306	NW_004516484.1	Scaffold1221	77306	CC	TT	1940482979
SNP_P1_222581_11879	NW_004516485.1	Scaffold1222	11879	CC	AA	1940482980
SNP_P1_222582_13747	NW_004516485.1	Scaffold1222	13747	TT	AA	1940482981
SNP_P1_222583_13750	NW_004516485.1	Scaffold1222	13750	TT	AA	1940482982

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_222584_13831	NW_004516485.1	Scaffold1222	13831	AA	GG	1940482983
SNP_P1_222585_13837	NW_004516485.1	Scaffold1222	13837	CC	TT	1940482984
SNP_P1_222586_13840	NW_004516485.1	Scaffold1222	13840	TT	GG	1940482985
SNP_P1_222587_13909	NW_004516485.1	Scaffold1222	13909	AA	GG	1940482986
SNP_P1_222588_13910	NW_004516485.1	Scaffold1222	13910	AA	TT	1940482987
SNP_P1_222589_13915	NW_004516485.1	Scaffold1222	13915	TT	AA	1940482988
SNP_P1_222590_13952	NW_004516485.1	Scaffold1222	13952	TT	AA	1940482989
SNP_P1_222592_14510	NW_004516485.1	Scaffold1222	14510	CC	GG	1940482990
SNP_P1_222593_14520	NW_004516485.1	Scaffold1222	14520	AA	GG	1940482991
SNP_P1_222594_14529	NW_004516485.1	Scaffold1222	14529	TT	AA	1940482992
SNP_P1_222595_14606	NW_004516485.1	Scaffold1222	14606	AA	CC	1940482993
SNP_P1_222596_14615	NW_004516485.1	Scaffold1222	14615	CC	AA	1940482994
SNP_P1_222597_14689	NW_004516485.1	Scaffold1222	14689	CC	TT	1940482995
SNP_P1_222598_14713	NW_004516485.1	Scaffold1222	14713	AA	GG	1940482996
SNP_P1_222599_14755	NW_004516485.1	Scaffold1222	14755	GG	CC	1940482997
SNP_P1_222600_14806	NW_004516485.1	Scaffold1222	14806	TT	AA	1940482998
SNP_P1_222601_14826	NW_004516485.1	Scaffold1222	14826	CC	TT	1940482999
SNP_P1_222602_14856	NW_004516485.1	Scaffold1222	14856	TT	AA	1940483000
SNP_P1_222603_14858	NW_004516485.1	Scaffold1222	14858	TT	AA	1940483001
SNP_P1_222604_14863	NW_004516485.1	Scaffold1222	14863	TT	GG	1940483002
SNP_P1_222605_4016	NW_004516486.1	Scaffold1224	4016	TT	GG	1940483003
SNP_P1_222606_4021	NW_004516486.1	Scaffold1224	4021	TT	AA	1940483004
SNP_P1_222607_4136	NW_004516486.1	Scaffold1224	4136	TT	CC	1940483005
SNP_P1_222608_4138	NW_004516486.1	Scaffold1224	4138	GG	AA	1940483006
SNP_P1_222609_4140	NW_004516486.1	Scaffold1224	4140	GG	CC	1940483007
SNP_P1_222610_4175	NW_004516486.1	Scaffold1224	4175	CC	TT	1940483008
SNP_P1_222611_4187	NW_004516486.1	Scaffold1224	4187	CC	TT	1940483009
SNP_P1_222612_4198	NW_004516486.1	Scaffold1224	4198	CC	TT	1940483010
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SNP_P1_222614_4250	NW_004516486.1	Scaffold1224	4250	TT	CC	1940483012
SNP_P1_222615_4335	NW_004516486.1	Scaffold1224	4335	TT	CC	1940483013
SNP_P1_222616_4445	NW_004516486.1	Scaffold1224	4445	AA	GG	1940483014
SNP_P1_222617_5083	NW_004516486.1	Scaffold1224	5083	AA	GG	1940483015
SNP_P1_222618_11778	NW_004516487.1	Scaffold1226	11778	CC	TT	1940483016
SNP_P1_222619_21424	NW_004516487.1	Scaffold1226	21424	GG	AA	1940483017
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SNP_P1_222622_6816	NW_004516489.1	Scaffold1231	6816	CC	GG	1940483020
SNP_P1_222623_7231	NW_004516489.1	Scaffold1231	7231	GG	TT	1940483021
SNP_P1_222625_8997	NW_004516489.1	Scaffold1231	8997	TT	CC	1940483022
SNP_P1_222626_12220	NW_004516489.1	Scaffold1231	12220	GG	AA	1940483023
SNP_P1_222627_18973	NW_004516489.1	Scaffold1231	18973	AA	GG	1940483024

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222629_23223	NW_004516489.1	Scaffold1231	23223	GG	AA	1940483026
SNP_P1_222630_25734	NW_004516489.1	Scaffold1231	25734	CC	TT	1940483027
SNP_P1_222631_25902	NW_004516489.1	Scaffold1231	25902	TT	AA	1940483028
SNP_P1_222632_25909	NW_004516489.1	Scaffold1231	25909	TT	AA	1940483029
SNP_P1_222633_43430	NW_004516489.1	Scaffold1231	43430	CC	AA	1940483030
SNP_P1_222634_52080	NW_004516489.1	Scaffold1231	52080	AA	TT	1940483031
SNP_P1_222635_54952	NW_004516489.1	Scaffold1231	54952	TT	CC	1940483032
SNP_P1_222636_61192	NW_004516489.1	Scaffold1231	61192	AA	GG	1940483033
SNP_P1_222637_70568	NW_004516489.1	Scaffold1231	70568	CC	GG	1940483034
SNP_P1_222638_71778	NW_004516489.1	Scaffold1231	71778	GG	TT	1940483035
SNP_P1_222639_74727	NW_004516489.1	Scaffold1231	74727	GG	AA	1940483036
SNP_P1_222640_74732	NW_004516489.1	Scaffold1231	74732	AA	CC	1940483038
SNP_P1_222641_79723	NW_004516489.1	Scaffold1231	79723	TT	CC	1940483039
SNP_P1_222642_79729	NW_004516489.1	Scaffold1231	79729	TT	AA	1940483040
SNP_P1_222643_79780	NW_004516489.1	Scaffold1231	79780	AA	CC	1940483041
SNP_P1_222644_80136	NW_004516489.1	Scaffold1231	80136	AA	CC	1940483042
SNP_P1_222646_87001	NW_004516489.1	Scaffold1231	87001	CC	GG	1940483043
SNP_P1_222647_87335	NW_004516489.1	Scaffold1231	87335	CC	TT	1940483044
SNP_P1_222648_87395	NW_004516489.1	Scaffold1231	87395	GG	TT	1940483045
SNP_P1_222649_113338	NW_004516489.1	Scaffold1231	113338	GG	AA	1940483046
SNP_P1_222650_118869	NW_004516489.1	Scaffold1231	118869	AA	CC	1940483047
SNP_P1_222651_122486	NW_004516489.1	Scaffold1231	122486	AA	TT	1940483048
SNP_P1_222652_124261	NW_004516489.1	Scaffold1231	124261	CC	TT	1940483049
SNP_P1_222653_127255	NW_004516489.1	Scaffold1231	127255	AA	TT	1940483050
SNP_P1_222654_143103	NW_004516489.1	Scaffold1231	143103	CC	TT	1940483051
SNP_P1_222655_143114	NW_004516489.1	Scaffold1231	143114	GG	AA	1940483052
SNP_P1_222656_143118	NW_004516489.1	Scaffold1231	143118	CC	TT	1940483053
SNP_P1_222657_143142	NW_004516489.1	Scaffold1231	143142	TT	CC	1940483054
SNP_P1_222658_167402	NW_004516489.1	Scaffold1231	167402	TT	CC	1940483055
SNP_P1_222659_185155	NW_004516489.1	Scaffold1231	185155	AA	CC	1940483056
SNP_P1_222660_185182	NW_004516489.1	Scaffold1231	185182	TT	CC	1940483057
SNP_P1_222661_185522	NW_004516489.1	Scaffold1231	185522	AA	CC	1940483058
SNP_P1_222662_185758	NW_004516489.1	Scaffold1231	185758	GG	AA	1940483059
SNP_P1_222663_185984	NW_004516489.1	Scaffold1231	185984	TT	CC	1940483060
SNP_P1_222664_186606	NW_004516489.1	Scaffold1231	186606	GG	AA	1940483061
SNP_P1_222665_186898	NW_004516489.1	Scaffold1231	186898	GG	AA	1940483062
SNP_P1_222666_187139	NW_004516489.1	Scaffold1231	187139	CC	TT	1940483063
SNP_P1_222667_187189	NW_004516489.1	Scaffold1231	187189	TT	CC	1940483064
SNP_P1_222668_187397	NW_004516489.1	Scaffold1231	187397	GG	AA	1940483065
SNP_P1_222669_187587	NW_004516489.1	Scaffold1231	187587	AA	TT	1940483066
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222674_281	NW_004516492.1	Scaffold1235	281	AA	GG	1940483070
SNP_P1_222675_469	NW_004516492.1	Scaffold1235	469	TT	AA	1940483071
SNP_P1_222676_544	NW_004516492.1	Scaffold1235	544	AA	CC	1940483072
SNP_P1_222677_606	NW_004516492.1	Scaffold1235	606	GG	TT	1940483073
SNP_P1_222678_610	NW_004516492.1	Scaffold1235	610	CC	AA	1940483074
SNP_P1_222679_627	NW_004516492.1	Scaffold1235	627	AA	TT	1940483075
SNP_P1_222680_628	NW_004516492.1	Scaffold1235	628	TT	AA	1940483076
SNP_P1_222681_629	NW_004516492.1	Scaffold1235	629	AA	TT	1940483077
SNP_P1_222682_881	NW_004516492.1	Scaffold1235	881	CC	TT	1940483078
SNP_P1_222683_940	NW_004516492.1	Scaffold1235	940	GG	AA	1940483079
SNP_P1_222684_1068	NW_004516492.1	Scaffold1235	1068	TT	GG	1940483080
SNP_P1_222685_1078	NW_004516492.1	Scaffold1235	1078	TT	AA	1940483081
SNP_P1_222686_1112	NW_004516492.1	Scaffold1235	1112	AA	GG	1940483082
SNP_P1_222687_1138	NW_004516492.1	Scaffold1235	1138	CC	TT	1940483083
SNP_P1_222688_1450	NW_004516495.1	Scaffold1238	1450	CC	TT	1940483084
SNP_P1_222689_1640	NW_004516495.1	Scaffold1238	1640	AA	TT	1940483085
SNP_P1_222690_1897	NW_004516495.1	Scaffold1238	1897	AA	CC	1940483086
SNP_P1_222691_1928	NW_004516495.1	Scaffold1238	1928	TT	CC	1940483087
SNP_P1_222693_30400	NW_004516495.1	Scaffold1238	30400	CC	TT	1940483088
SNP_P1_222694_30404	NW_004516495.1	Scaffold1238	30404	CC	AA	1940483089
SNP_P1_222695_31178	NW_004516495.1	Scaffold1238	31178	AA	TT	1940483090
SNP_P1_222696_34880	NW_004516495.1	Scaffold1238	34880	CC	TT	1940483091
SNP_P1_222697_52122	NW_004516495.1	Scaffold1238	52122	TT	CC	1940483092
SNP_P1_222698_64719	NW_004516495.1	Scaffold1238	64719	AA	GG	1940483093
SNP_P1_222699_64809	NW_004516495.1	Scaffold1238	64809	TT	CC	1940483094
SNP_P1_222700_65650	NW_004516495.1	Scaffold1238	65650	AA	GG	1940483095
SNP_P1_222701_65707	NW_004516495.1	Scaffold1238	65707	AA	TT	1940483096
SNP_P1_222702_65717	NW_004516495.1	Scaffold1238	65717	AA	GG	1940483097
SNP_P1_222703_65720	NW_004516495.1	Scaffold1238	65720	CC	TT	1940483098
SNP_P1_222704_72064	NW_004516495.1	Scaffold1238	72064	GG	AA	1940483099
SNP_P1_222705_95191	NW_004516495.1	Scaffold1238	95191	CC	AA	1940483100
SNP_P1_222706_101775	NW_004516495.1	Scaffold1238	101775	TT	AA	1940483101
SNP_P1_222707_103805	NW_004516495.1	Scaffold1238	103805	CC	TT	1940483102
SNP_P1_222708_103821	NW_004516495.1	Scaffold1238	103821	CC	GG	1940483103
SNP_P1_222709_103902	NW_004516495.1	Scaffold1238	103902	AA	CC	1940483104
SNP_P1_222710_103916	NW_004516495.1	Scaffold1238	103916	GG	AA	1940483105
SNP_P1_222711_103927	NW_004516495.1	Scaffold1238	103927	CC	TT	1940483106
SNP_P1_222712_104024	NW_004516495.1	Scaffold1238	104024	AA	CC	1940483107
SNP_P1_222713_104149	NW_004516495.1	Scaffold1238	104149	TT	GG	1940483108
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222716_104222	NW_004516495.1	Scaffold1238	104222	AA	TT	1940483111
SNP_P1_222717_104226	NW_004516495.1	Scaffold1238	104226	GG	AA	1940483112
SNP_P1_222718_104299	NW_004516495.1	Scaffold1238	104299	GG	TT	1940483113
SNP_P1_222719_104364	NW_004516495.1	Scaffold1238	104364	TT	GG	1940483114
SNP_P1_222720_104365	NW_004516495.1	Scaffold1238	104365	GG	TT	1940483115
SNP_P1_222721_104391	NW_004516495.1	Scaffold1238	104391	GG	TT	1940483116
SNP_P1_222723_109844	NW_004516495.1	Scaffold1238	109844	AA	GG	1940483117
SNP_P1_222724_109869	NW_004516495.1	Scaffold1238	109869	CC	GG	1940483118
SNP_P1_222725_110338	NW_004516495.1	Scaffold1238	110338	AA	CC	1940483119
SNP_P1_222726_110352	NW_004516495.1	Scaffold1238	110352	AA	GG	1940483120
SNP_P1_222727_110526	NW_004516495.1	Scaffold1238	110526	CC	TT	1940483121
SNP_P1_222728_110725	NW_004516495.1	Scaffold1238	110725	GG	AA	1940483122
SNP_P1_222729_110727	NW_004516495.1	Scaffold1238	110727	AA	CC	1940483123
SNP_P1_222730_110740	NW_004516495.1	Scaffold1238	110740	AA	GG	1940483124
SNP_P1_222731_110747	NW_004516495.1	Scaffold1238	110747	AA	CC	1940483125
SNP_P1_222732_110749	NW_004516495.1	Scaffold1238	110749	AA	GG	1940483126
SNP_P1_222733_110759	NW_004516495.1	Scaffold1238	110759	TT	GG	1940483127
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SNP_P1_222735_110830	NW_004516495.1	Scaffold1238	110830	AA	TT	1940483129
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SNP_P1_222743_130105	NW_004516495.1	Scaffold1238	130105	GG	TT	1940483134
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SNP_P1_222745_147017	NW_004516495.1	Scaffold1238	147017	AA	GG	1940483136
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SNP_P1_222750_551	NW_004516496.1	Scaffold1239	551	GG	AA	1940483138
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SNP_P1_222752_3931	NW_004516496.1	Scaffold1239	3931	AA	GG	1940483140
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SNP_P1_222755_4196	NW_004516496.1	Scaffold1239	4196	CC	GG	1940483143
SNP_P1_222756_4633	NW_004516496.1	Scaffold1239	4633	TT	CC	1940483144
SNP_P1_222758_4890	NW_004516496.1	Scaffold1239	4890	GG	AA	1940483145
SNP_P1_222759_4901	NW_004516496.1	Scaffold1239	4901	GG	AA	1940483146
SNP_P1_222761_5087	NW_004516496.1	Scaffold1239	5087	GG	CC	1940483147
SNP_P1_222762_5719	NW_004516496.1	Scaffold1239	5719	AA	TT	1940483148
SNP_P1_222763_55950	NW_004516497.1	Scaffold1240	55950	CC	TT	1940483149
SNP_P1_222765_62818	NW_004516497.1	Scaffold1240	62818	CC	TT	1940483150
SNP_P1_222766_62859	NW_004516497.1	Scaffold1240	62859	CC	AA	1940483151

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222768_62989	NW_004516497.1	Scaffold1240	62989	CC	TT	1940483153
SNP_P1_222769_63268	NW_004516497.1	Scaffold1240	63268	AA	CC	1940483154
SNP_P1_222770_67875	NW_004516497.1	Scaffold1240	67875	CC	GG	1940483155
SNP_P1_222771_68951	NW_004516497.1	Scaffold1240	68951	TT	AA	1940483156
SNP_P1_222776_102732	NW_004516497.1	Scaffold1240	102732	TT	CC	1940483157
SNP_P1_222777_105518	NW_004516497.1	Scaffold1240	105518	AA	GG	1940483158
SNP_P1_222779_121494	NW_004516497.1	Scaffold1240	121494	GG	CC	1940483159
SNP_P1_222780_133751	NW_004516497.1	Scaffold1240	133751	CC	TT	1940483160
SNP_P1_222781_127	NW_004516498.1	Scaffold1242	127	TT	GG	1940483161
SNP_P1_222783_2695	NW_004516498.1	Scaffold1242	2695	GG	AA	1940483162
SNP_P1_222785_8689	NW_004516498.1	Scaffold1242	8689	CC	TT	1940483163
SNP_P1_222786_14600	NW_004516498.1	Scaffold1242	14600	CC	TT	1940483164
SNP_P1_222787_14606	NW_004516498.1	Scaffold1242	14606	AA	GG	1940483165
SNP_P1_222788_14700	NW_004516498.1	Scaffold1242	14700	AA	GG	1940483166
SNP_P1_222789_14772	NW_004516498.1	Scaffold1242	14772	GG	TT	1940483167
SNP_P1_222790_15112	NW_004516498.1	Scaffold1242	15112	AA	CC	1940483168
SNP_P1_222792_16555	NW_004516498.1	Scaffold1242	16555	CC	AA	1940483169
SNP_P1_222793_17022	NW_004516498.1	Scaffold1242	17022	TT	CC	1940483170
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SNP_P1_222795_17059	NW_004516498.1	Scaffold1242	17059	TT	CC	1940483172
SNP_P1_222796_17644	NW_004516498.1	Scaffold1242	17644	CC	TT	1940483173
SNP_P1_222797_22590	NW_004516498.1	Scaffold1242	22590	CC	AA	1940483174
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SNP_P1_222800_26658	NW_004516498.1	Scaffold1242	26658	CC	TT	1940483177
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SNP_P1_222805_29290	NW_004516498.1	Scaffold1242	29290	AA	GG	1940483182
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SNP_P1_222807_40420	NW_004516498.1	Scaffold1242	40420	AA	CC	1940483185
SNP_P1_222808_40428	NW_004516498.1	Scaffold1242	40428	AA	CC	1940483186
SNP_P1_222809_47633	NW_004516498.1	Scaffold1242	47633	AA	GG	1940483187
SNP_P1_222810_47768	NW_004516498.1	Scaffold1242	47768	AA	TT	1940483188
SNP_P1_222811_48030	NW_004516498.1	Scaffold1242	48030	TT	GG	1940483189
SNP_P1_222812_49413	NW_004516498.1	Scaffold1242	49413	AA	GG	1940483190
SNP_P1_222813_51577	NW_004516498.1	Scaffold1242	51577	TT	AA	1940483191
SNP_P1_222814_51585	NW_004516498.1	Scaffold1242	51585	AA	CC	1940483192
SNP_P1_222815_53727	NW_004516498.1	Scaffold1242	53727	TT	CC	1940483193
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222819_62277	NW_004516498.1	Scaffold1242	62277	AA	GG	1940483197
SNP_P1_222820_62321	NW_004516498.1	Scaffold1242	62321	TT	CC	1940483198
SNP_P1_222821_64273	NW_004516498.1	Scaffold1242	64273	GG	AA	1940483199
SNP_P1_222822_384	NW_004516499.1	Scaffold1243	384	CC	GG	1940483200
SNP_P1_222823_775	NW_004516499.1	Scaffold1243	775	TT	GG	1940483201
SNP_P1_222824_994	NW_004516499.1	Scaffold1243	994	GG	TT	1940483202
SNP_P1_222825_1104	NW_004516499.1	Scaffold1243	1104	AA	GG	1940483203
SNP_P1_222826_1165	NW_004516499.1	Scaffold1243	1165	TT	GG	1940483204
SNP_P1_222827_1243	NW_004516499.1	Scaffold1243	1243	AA	CC	1940483205
SNP_P1_222828_1272	NW_004516499.1	Scaffold1243	1272	AA	TT	1940483206
SNP_P1_222829_1335	NW_004516499.1	Scaffold1243	1335	TT	GG	1940483207
SNP_P1_222830_1413	NW_004516499.1	Scaffold1243	1413	CC	GG	1940483208
SNP_P1_222831_1534	NW_004516499.1	Scaffold1243	1534	GG	AA	1940483209
SNP_P1_222832_1675	NW_004516499.1	Scaffold1243	1675	CC	TT	1940483210
SNP_P1_222833_1818	NW_004516499.1	Scaffold1243	1818	AA	TT	1940483211
SNP_P1_222834_2211	NW_004516499.1	Scaffold1243	2211	AA	CC	1940483212
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SNP_P1_222836_2546	NW_004516499.1	Scaffold1243	2546	TT	CC	1940483214
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SNP_P1_222842_2305	NW_004516500.1	Scaffold1244	2305	TT	AA	1940483220
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SNP_P1_222856_5845	NW_004516500.1	Scaffold1244	5845	GG	CC	1940483233
SNP_P1_222857_5937	NW_004516500.1	Scaffold1244	5937	AA	GG	1940483234
SNP_P1_222858_6059	NW_004516500.1	Scaffold1244	6059	TT	GG	1940483235
SNP_P1_222859_7823	NW_004516500.1	Scaffold1244	7823	GG	AA	1940483236

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222862_7841	NW_004516500.1	Scaffold1244	7841	GG	AA	1940483239
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SNP_P1_222864_7850	NW_004516500.1	Scaffold1244	7850	AA	TT	1940483241
SNP_P1_222865_7856	NW_004516500.1	Scaffold1244	7856	CC	TT	1940483242
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SNP_P1_222869_7914	NW_004516500.1	Scaffold1244	7914	TT	CC	1940483245
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SNP_P1_222871_7983	NW_004516500.1	Scaffold1244	7983	CC	TT	1940483247
SNP_P1_222872_7984	NW_004516500.1	Scaffold1244	7984	CC	TT	1940483248
SNP_P1_222873_7985	NW_004516500.1	Scaffold1244	7985	AA	GG	1940483249
SNP_P1_222874_7993	NW_004516500.1	Scaffold1244	7993	AA	GG	1940483250
SNP_P1_222875_7994	NW_004516500.1	Scaffold1244	7994	AA	GG	1940483251
SNP_P1_222876_8000	NW_004516500.1	Scaffold1244	8000	AA	GG	1940483252
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SNP_P1_222878_8010	NW_004516500.1	Scaffold1244	8010	AA	GG	1940483254
SNP_P1_222879_8168	NW_004516500.1	Scaffold1244	8168	GG	AA	1940483255
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SNP_P1_222882_10017	NW_004516500.1	Scaffold1244	10017	GG	CC	1940483258
SNP_P1_222883_10111	NW_004516500.1	Scaffold1244	10111	GG	AA	1940483259
SNP_P1_222884_13681	NW_004516500.1	Scaffold1244	13681	AA	GG	1940483260
SNP_P1_222885_14040	NW_004516500.1	Scaffold1244	14040	CC	TT	1940483261
SNP_P1_222886_14079	NW_004516500.1	Scaffold1244	14079	TT	CC	1940483262
SNP_P1_222887_17129	NW_004516500.1	Scaffold1244	17129	CC	TT	1940483263
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SNP_P1_222891_11776	NW_004516502.1	Scaffold1246	11776	GG	TT	1940483267
SNP_P1_222892_4951	NW_004516503.1	Scaffold1247	4951	AA	GG	1940483268
SNP_P1_222893_5014	NW_004516503.1	Scaffold1247	5014	CC	GG	1940483269
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SNP_P1_222896_5108	NW_004516503.1	Scaffold1247	5108	GG	CC	1940483271
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SNP_P1_222900_6953	NW_004516503.1	Scaffold1247	6953	AA	CC	1940483275
SNP_P1_222901_7761	NW_004516503.1	Scaffold1247	7761	CC	AA	1940483276
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SNP_P1_222903_7838	NW_004516503.1	Scaffold1247	7838	GG	AA	1940483278

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222906_13096	NW_004516503.1	Scaffold1247	13096	AA	CC	1940483281
SNP_P1_222907_13117	NW_004516503.1	Scaffold1247	13117	AA	GG	1940483282
SNP_P1_222908_13306	NW_004516503.1	Scaffold1247	13306	GG	CC	1940483283
SNP_P1_222909_13318	NW_004516503.1	Scaffold1247	13318	TT	CC	1940483284
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SNP_P1_222911_13560	NW_004516503.1	Scaffold1247	13560	CC	AA	1940483286
SNP_P1_222912_13598	NW_004516503.1	Scaffold1247	13598	CC	TT	1940483287
SNP_P1_222913_13852	NW_004516503.1	Scaffold1247	13852	AA	TT	1940483288
SNP_P1_222914_13951	NW_004516503.1	Scaffold1247	13951	AA	TT	1940483289
SNP_P1_222915_21772	NW_004516503.1	Scaffold1247	21772	AA	GG	1940483290
SNP_P1_222916_30038	NW_004516503.1	Scaffold1247	30038	AA	TT	1940483291
SNP_P1_222917_30633	NW_004516503.1	Scaffold1247	30633	AA	GG	1940483292
SNP_P1_222918_30634	NW_004516503.1	Scaffold1247	30634	AA	TT	1940483293
SNP_P1_222919_31076	NW_004516503.1	Scaffold1247	31076	TT	AA	1940483294
SNP_P1_222920_31102	NW_004516503.1	Scaffold1247	31102	AA	GG	1940483295
SNP_P1_222921_32156	NW_004516503.1	Scaffold1247	32156	AA	GG	1940483296
SNP_P1_222922_37329	NW_004516503.1	Scaffold1247	37329	AA	CC	1940483297
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SNP_P1_222924_38258	NW_004516503.1	Scaffold1247	38258	TT	CC	1940483299
SNP_P1_222925_38321	NW_004516503.1	Scaffold1247	38321	GG	CC	1940483300
SNP_P1_222926_38413	NW_004516503.1	Scaffold1247	38413	AA	GG	1940483301
SNP_P1_222927_38414	NW_004516503.1	Scaffold1247	38414	AA	GG	1940483302
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SNP_P1_222930_38764	NW_004516503.1	Scaffold1247	38764	AA	CC	1940483305
SNP_P1_222931_38815	NW_004516503.1	Scaffold1247	38815	TT	AA	1940483306
SNP_P1_222932_65	NW_004516504.1	Scaffold1248	65	TT	GG	1940483307
SNP_P1_222933_498	NW_004516504.1	Scaffold1248	498	CC	AA	1940483308
SNP_P1_222934_574	NW_004516504.1	Scaffold1248	574	GG	TT	1940483309
SNP_P1_222935_589	NW_004516504.1	Scaffold1248	589	AA	CC	1940483310
SNP_P1_222936_590	NW_004516504.1	Scaffold1248	590	TT	AA	1940483311
SNP_P1_222937_617	NW_004516505.1	Scaffold1250	617	AA	TT	1940483312
SNP_P1_222938_686	NW_004516505.1	Scaffold1250	686	TT	GG	1940483313
SNP_P1_222939_712	NW_004516505.1	Scaffold1250	712	TT	AA	1940483314
SNP_P1_222940_800	NW_004516505.1	Scaffold1250	800	GG	TT	1940483315
SNP_P1_222941_1064	NW_004516507.1	Scaffold1252	1064	TT	GG	1940483316
SNP_P1_222942_15971	NW_004516507.1	Scaffold1252	15971	TT	AA	1940483317
SNP_P1_222943_22143	NW_004516507.1	Scaffold1252	22143	GG	AA	1940483318
SNP_P1_222944_23951	NW_004516507.1	Scaffold1252	23951	AA	CC	1940483319
SNP_P1_222945_28038	NW_004516507.1	Scaffold1252	28038	TT	CC	1940483320

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_222948_28936	NW_004516507.1	Scaffold1252	28936	AA	GG	1940483323
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SNP_P1_222951_44095	NW_004516507.1	Scaffold1252	44095	AA	CC	1940483326
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SNP_P1_222953_44317	NW_004516507.1	Scaffold1252	44317	AA	TT	1940483328
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SNP_P1_222957_55658	NW_004516507.1	Scaffold1252	55658	GG	AA	1940483332
SNP_P1_222958_55709	NW_004516507.1	Scaffold1252	55709	CC	TT	1940483333
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SNP_P1_222960_55922	NW_004516507.1	Scaffold1252	55922	AA	GG	1940483335
SNP_P1_222961_56095	NW_004516507.1	Scaffold1252	56095	GG	AA	1940483336
SNP_P1_222962_56243	NW_004516507.1	Scaffold1252	56243	AA	TT	1940483337
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SNP_P1_222978_76642	NW_004516507.1	Scaffold1252	76642	AA	GG	1940483354
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SNP_P1_222987_97969	NW_004516507.1	Scaffold1252	97969	GG	AA	1940483363

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223002_101883	NW_004516507.1	Scaffold1252	101883	GG	TT	1940483376
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SNP_P1_223004_105377	NW_004516507.1	Scaffold1252	105377	GG	CC	1940483378
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SNP_P1_223006_108219	NW_004516507.1	Scaffold1252	108219	GG	AA	1940483380
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SNP_P1_223017_114242	NW_004516507.1	Scaffold1252	114242	AA	GG	1940483389
SNP_P1_223018_114740	NW_004516507.1	Scaffold1252	114740	AA	GG	1940483390
SNP_P1_223019_294	NW_004516509.1	Scaffold1254	294	CC	AA	1940483391
SNP_P1_223020_953	NW_004516510.1	Scaffold1255	953	CC	TT	1940483392
SNP_P1_223021_954	NW_004516510.1	Scaffold1255	954	AA	GG	1940483393
SNP_P1_223022_1413	NW_004516510.1	Scaffold1255	1413	AA	TT	1940483394
SNP_P1_223023_1712	NW_004516510.1	Scaffold1255	1712	TT	CC	1940483395
SNP_P1_223024_1718	NW_004516510.1	Scaffold1255	1718	CC	TT	1940483396
SNP_P1_223025_1839	NW_004516510.1	Scaffold1255	1839	CC	TT	1940483397
SNP_P1_223026_1923	NW_004516510.1	Scaffold1255	1923	TT	AA	1940483398
SNP_P1_223027_1967	NW_004516510.1	Scaffold1255	1967	TT	CC	1940483399
SNP_P1_223028_2025	NW_004516510.1	Scaffold1255	2025	AA	CC	1940483400
SNP_P1_223029_2121	NW_004516510.1	Scaffold1255	2121	AA	GG	1940483401
SNP_P1_223030_2155	NW_004516510.1	Scaffold1255	2155	CC	GG	1940483402
SNP_P1_223031_2210	NW_004516510.1	Scaffold1255	2210	AA	GG	1940483403
SNP_P1_223032_2241	NW_004516510.1	Scaffold1255	2241	AA	CC	1940483404
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223035_3698	NW_004516510.1	Scaffold1255	3698	GG	AA	1940483407
SNP_P1_223036_8581	NW_004516510.1	Scaffold1255	8581	TT	CC	1940483408
SNP_P1_223037_8701	NW_004516510.1	Scaffold1255	8701	TT	CC	1940483409
SNP_P1_223038_14799	NW_004516510.1	Scaffold1255	14799	GG	AA	1940483410
SNP_P1_223039_14836	NW_004516510.1	Scaffold1255	14836	AA	GG	1940483411
SNP_P1_223040_14840	NW_004516510.1	Scaffold1255	14840	AA	GG	1940483412
SNP_P1_223041_14968	NW_004516510.1	Scaffold1255	14968	CC	GG	1940483413
SNP_P1_223042_14982	NW_004516510.1	Scaffold1255	14982	GG	TT	1940483414
SNP_P1_223044_17313	NW_004516510.1	Scaffold1255	17313	CC	TT	1940483415
SNP_P1_223045_17317	NW_004516510.1	Scaffold1255	17317	AA	CC	1940483416
SNP_P1_223046_17461	NW_004516510.1	Scaffold1255	17461	CC	TT	1940483417
SNP_P1_223047_17583	NW_004516510.1	Scaffold1255	17583	TT	AA	1940483418
SNP_P1_223048_17623	NW_004516510.1	Scaffold1255	17623	AA	GG	1940483419
SNP_P1_223049_17653	NW_004516510.1	Scaffold1255	17653	GG	AA	1940483420
SNP_P1_223050_24778	NW_004516510.1	Scaffold1255	24778	AA	GG	1940483421
SNP_P1_223051_25082	NW_004516510.1	Scaffold1255	25082	TT	AA	1940483422
SNP_P1_223052_477	NW_004516511.1	Scaffold1256	477	GG	TT	1940483423
SNP_P1_223053_535	NW_004516511.1	Scaffold1256	535	CC	AA	1940483424
SNP_P1_223055_924	NW_004516511.1	Scaffold1256	924	TT	AA	1940483425
SNP_P1_223056_1025	NW_004516511.1	Scaffold1256	1025	TT	AA	1940483426
SNP_P1_223057_4126	NW_004516511.1	Scaffold1256	4126	TT	CC	1940483427
SNP_P1_223058_8296	NW_004516511.1	Scaffold1256	8296	AA	TT	1940483428
SNP_P1_223059_8321	NW_004516511.1	Scaffold1256	8321	AA	CC	1940483429
SNP_P1_223060_15060	NW_004516511.1	Scaffold1256	15060	CC	TT	1940483430
SNP_P1_223061_15096	NW_004516511.1	Scaffold1256	15096	AA	GG	1940483431
SNP_P1_223062_15576	NW_004516511.1	Scaffold1256	15576	TT	GG	1940483432
SNP_P1_223063_18192	NW_004516511.1	Scaffold1256	18192	CC	GG	1940483433
SNP_P1_223064_18340	NW_004516511.1	Scaffold1256	18340	GG	AA	1940483434
SNP_P1_223065_20211	NW_004516511.1	Scaffold1256	20211	GG	AA	1940483435
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SNP_P1_223067_22242	NW_004516511.1	Scaffold1256	22242	CC	TT	1940483437
SNP_P1_223068_23227	NW_004516511.1	Scaffold1256	23227	CC	AA	1940483438
SNP_P1_223069_23588	NW_004516511.1	Scaffold1256	23588	TT	CC	1940483439
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SNP_P1_223071_24936	NW_004516511.1	Scaffold1256	24936	AA	GG	1940483441
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SNP_P1_223073_24989	NW_004516511.1	Scaffold1256	24989	AA	GG	1940483443
SNP_P1_223074_25019	NW_004516511.1	Scaffold1256	25019	TT	GG	1940483444
SNP_P1_223075_25081	NW_004516511.1	Scaffold1256	25081	CC	TT	1940483445
SNP_P1_223076_25141	NW_004516511.1	Scaffold1256	25141	CC	AA	1940483446
SNP_P1_223077_25160	NW_004516511.1	Scaffold1256	25160	CC	AA	1940483447

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223079_25214	NW_004516511.1	Scaffold1256	25214	CC	TT	1940483449
SNP_P1_223080_25321	NW_004516511.1	Scaffold1256	25321	TT	GG	1940483450
SNP_P1_223081_25358	NW_004516511.1	Scaffold1256	25358	CC	TT	1940483451
SNP_P1_223082_25402	NW_004516511.1	Scaffold1256	25402	TT	CC	1940483452
SNP_P1_223083_25439	NW_004516511.1	Scaffold1256	25439	AA	TT	1940483453
SNP_P1_223084_29870	NW_004516511.1	Scaffold1256	29870	GG	TT	1940483454
SNP_P1_223085_30210	NW_004516511.1	Scaffold1256	30210	AA	GG	1940483455
SNP_P1_223086_30305	NW_004516511.1	Scaffold1256	30305	GG	AA	1940483456
SNP_P1_223087_30312	NW_004516511.1	Scaffold1256	30312	GG	AA	1940483457
SNP_P1_223088_30331	NW_004516511.1	Scaffold1256	30331	AA	TT	1940483458
SNP_P1_223089_32512	NW_004516511.1	Scaffold1256	32512	AA	CC	1940483459
SNP_P1_223090_32833	NW_004516511.1	Scaffold1256	32833	AA	TT	1940483460
SNP_P1_223091_32858	NW_004516511.1	Scaffold1256	32858	GG	AA	1940483461
SNP_P1_223092_32959	NW_004516511.1	Scaffold1256	32959	TT	CC	1940483462
SNP_P1_223093_33114	NW_004516511.1	Scaffold1256	33114	AA	TT	1940483463
SNP_P1_223094_33224	NW_004516511.1	Scaffold1256	33224	AA	GG	1940483464
SNP_P1_223095_34726	NW_004516511.1	Scaffold1256	34726	GG	AA	1940483465
SNP_P1_223096_37668	NW_004516511.1	Scaffold1256	37668	GG	CC	1940483466
SNP_P1_223097_37713	NW_004516511.1	Scaffold1256	37713	AA	GG	1940483467
SNP_P1_223098_38050	NW_004516511.1	Scaffold1256	38050	CC	AA	1940483468
SNP_P1_223099_38090	NW_004516511.1	Scaffold1256	38090	AA	GG	1940483469
SNP_P1_223100_45121	NW_004516511.1	Scaffold1256	45121	AA	CC	1940483470
SNP_P1_223101_46597	NW_004516511.1	Scaffold1256	46597	AA	GG	1940483471
SNP_P1_223102_48675	NW_004516511.1	Scaffold1256	48675	GG	AA	1940483472
SNP_P1_223103_48714	NW_004516511.1	Scaffold1256	48714	AA	GG	1940483473
SNP_P1_223104_49029	NW_004516511.1	Scaffold1256	49029	TT	GG	1940483474
SNP_P1_223105_49070	NW_004516511.1	Scaffold1256	49070	CC	TT	1940483475
SNP_P1_223106_49212	NW_004516511.1	Scaffold1256	49212	AA	GG	1940483476
SNP_P1_223107_49218	NW_004516511.1	Scaffold1256	49218	CC	TT	1940483477
SNP_P1_223108_54784	NW_004516511.1	Scaffold1256	54784	GG	AA	1940483478
SNP_P1_223109_55106	NW_004516511.1	Scaffold1256	55106	CC	GG	1940483479
SNP_P1_223111_56197	NW_004516511.1	Scaffold1256	56197	CC	TT	1940483480
SNP_P1_223112_58215	NW_004516511.1	Scaffold1256	58215	GG	AA	1940483481
SNP_P1_223113_60292	NW_004516511.1	Scaffold1256	60292	CC	TT	1940483482
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SNP_P1_223116_60522	NW_004516511.1	Scaffold1256	60522	AA	TT	1940483485
SNP_P1_223117_60530	NW_004516511.1	Scaffold1256	60530	CC	TT	1940483486
SNP_P1_223118_62562	NW_004516511.1	Scaffold1256	62562	CC	TT	1940483487
SNP_P1_223119_62566	NW_004516511.1	Scaffold1256	62566	AA	GG	1940483488
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223123_62633	NW_004516511.1	Scaffold1256	62633	CC	GG	1940483492
SNP_P1_223124_63028	NW_004516511.1	Scaffold1256	63028	GG	AA	1940483493
SNP_P1_223125_63198	NW_004516511.1	Scaffold1256	63198	TT	CC	1940483494
SNP_P1_223126_64581	NW_004516511.1	Scaffold1256	64581	TT	CC	1940483495
SNP_P1_223127_65877	NW_004516511.1	Scaffold1256	65877	AA	CC	1940483496
SNP_P1_223128_67745	NW_004516511.1	Scaffold1256	67745	AA	TT	1940483497
SNP_P1_223129_69281	NW_004516511.1	Scaffold1256	69281	AA	TT	1940483498
SNP_P1_223130_69282	NW_004516511.1	Scaffold1256	69282	CC	AA	1940483499
SNP_P1_223131_69284	NW_004516511.1	Scaffold1256	69284	AA	GG	1940483500
SNP_P1_223132_69293	NW_004516511.1	Scaffold1256	69293	CC	TT	1940483502
SNP_P1_223133_69348	NW_004516511.1	Scaffold1256	69348	TT	AA	1940483503
SNP_P1_223134_69586	NW_004516511.1	Scaffold1256	69586	AA	TT	1940483504
SNP_P1_223135_69596	NW_004516511.1	Scaffold1256	69596	CC	GG	1940483505
SNP_P1_223136_80084	NW_004516511.1	Scaffold1256	80084	TT	AA	1940483506
SNP_P1_223137_80086	NW_004516511.1	Scaffold1256	80086	GG	AA	1940483507
SNP_P1_223138_92820	NW_004516511.1	Scaffold1256	92820	AA	TT	1940483508
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SNP_P1_223143_6393	NW_004516513.1	Scaffold1259	6393	GG	AA	1940483513
SNP_P1_223144_16114	NW_004516513.1	Scaffold1259	16114	TT	GG	1940483514
SNP_P1_223145_16234	NW_004516513.1	Scaffold1259	16234	TT	CC	1940483515
SNP_P1_223146_41218	NW_004516513.1	Scaffold1259	41218	AA	GG	1940483516
SNP_P1_223147_52611	NW_004516513.1	Scaffold1259	52611	CC	TT	1940483517
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SNP_P1_223149_64160	NW_004516513.1	Scaffold1259	64160	CC	TT	1940483519
SNP_P1_223150_65206	NW_004516513.1	Scaffold1259	65206	TT	GG	1940483520
SNP_P1_223151_66690	NW_004516513.1	Scaffold1259	66690	CC	AA	1940483521
SNP_P1_223153_3125	NW_004516515.1	Scaffold1261	3125	GG	AA	1940483522
SNP_P1_223154_3126	NW_004516515.1	Scaffold1261	3126	AA	TT	1940483523
SNP_P1_223156_3303	NW_004516518.1	Scaffold1269	3303	AA	TT	1940483524
SNP_P1_223157_102	NW_004516520.1	Scaffold1272	102	AA	GG	1940483525
SNP_P1_223158_106	NW_004516520.1	Scaffold1272	106	TT	CC	1940483526
SNP_P1_223159_196	NW_004516520.1	Scaffold1272	196	CC	AA	1940483527
SNP_P1_223160_441	NW_004516520.1	Scaffold1272	441	TT	AA	1940483528
SNP_P1_223161_13088	NW_004516520.1	Scaffold1272	13088	AA	GG	1940483529
SNP_P1_223162_20723	NW_004516520.1	Scaffold1272	20723	AA	GG	1940483530
SNP_P1_223163_21384	NW_004516520.1	Scaffold1272	21384	GG	AA	1940483531
SNP_P1_223164_21394	NW_004516520.1	Scaffold1272	21394	TT	AA	1940483532

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223168_21666	NW_004516520.1	Scaffold1272	21666	AA	GG	1940483535
SNP_P1_223169_21759	NW_004516520.1	Scaffold1272	21759	TT	GG	1940483536
SNP_P1_223170_21840	NW_004516520.1	Scaffold1272	21840	AA	GG	1940483537
SNP_P1_223171_45685	NW_004516520.1	Scaffold1272	45685	AA	TT	1940483538
SNP_P1_223172_57770	NW_004516520.1	Scaffold1272	57770	GG	AA	1940483539
SNP_P1_223173_77906	NW_004516520.1	Scaffold1272	77906	CC	GG	1940483540
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SNP_P1_223175_81247	NW_004516520.1	Scaffold1272	81247	TT	AA	1940483542
SNP_P1_223176_86112	NW_004516520.1	Scaffold1272	86112	TT	CC	1940483543
SNP_P1_223177_87120	NW_004516520.1	Scaffold1272	87120	GG	AA	1940483544
SNP_P1_223178_87145	NW_004516520.1	Scaffold1272	87145	TT	CC	1940483545
SNP_P1_223179_87195	NW_004516520.1	Scaffold1272	87195	TT	CC	1940483546
SNP_P1_223180_87196	NW_004516520.1	Scaffold1272	87196	GG	CC	1940483547
SNP_P1_223181_87197	NW_004516520.1	Scaffold1272	87197	AA	GG	1940483548
SNP_P1_223182_87240	NW_004516520.1	Scaffold1272	87240	AA	GG	1940483549
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SNP_P1_223191_87669	NW_004516520.1	Scaffold1272	87669	AA	GG	1940483558
SNP_P1_223192_105047	NW_004516520.1	Scaffold1272	105047	AA	TT	1940483559
SNP_P1_223193_107075	NW_004516520.1	Scaffold1272	107075	AA	TT	1940483560
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SNP_P1_223196_111896	NW_004516520.1	Scaffold1272	111896	GG	AA	1940483563
SNP_P1_223198_132146	NW_004516520.1	Scaffold1272	132146	CC	TT	1940483564
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SNP_P1_223200_132351	NW_004516520.1	Scaffold1272	132351	CC	TT	1940483566
SNP_P1_223201_132543	NW_004516520.1	Scaffold1272	132543	CC	TT	1940483567
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SNP_P1_223203_132582	NW_004516520.1	Scaffold1272	132582	CC	TT	1940483569
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SNP_P1_223206_132624	NW_004516520.1	Scaffold1272	132624	CC	TT	1940483572
SNP_P1_223207_132630	NW_004516520.1	Scaffold1272	132630	CC	AA	1940483573
SNP_P1_223208_132636	NW_004516520.1	Scaffold1272	132636	TT	CC	1940483574

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223211_132660	NW_004516520.1	Scaffold1272	132660	AA	GG	1940483577
SNP_P1_223212_132669	NW_004516520.1	Scaffold1272	132669	TT	CC	1940483578
SNP_P1_223213_132675	NW_004516520.1	Scaffold1272	132675	AA	GG	1940483579
SNP_P1_223214_132678	NW_004516520.1	Scaffold1272	132678	AA	GG	1940483580
SNP_P1_223215_132717	NW_004516520.1	Scaffold1272	132717	AA	GG	1940483581
SNP_P1_223216_132816	NW_004516520.1	Scaffold1272	132816	TT	CC	1940483582
SNP_P1_223217_133753	NW_004516520.1	Scaffold1272	133753	AA	GG	1940483583
SNP_P1_223218_133759	NW_004516520.1	Scaffold1272	133759	GG	AA	1940483584
SNP_P1_223219_133765	NW_004516520.1	Scaffold1272	133765	GG	CC	1940483585
SNP_P1_223220_133805	NW_004516520.1	Scaffold1272	133805	GG	AA	1940483586
SNP_P1_223221_147471	NW_004516520.1	Scaffold1272	147471	CC	GG	1940483587
SNP_P1_223222_147641	NW_004516520.1	Scaffold1272	147641	TT	CC	1940483588
SNP_P1_223223_147642	NW_004516520.1	Scaffold1272	147642	CC	TT	1940483589
SNP_P1_223224_147651	NW_004516520.1	Scaffold1272	147651	AA	GG	1940483590
SNP_P1_223225_147823	NW_004516520.1	Scaffold1272	147823	TT	CC	1940483591
SNP_P1_223226_147855	NW_004516520.1	Scaffold1272	147855	TT	GG	1940483592
SNP_P1_223227_147902	NW_004516520.1	Scaffold1272	147902	TT	CC	1940483593
SNP_P1_223228_148152	NW_004516520.1	Scaffold1272	148152	CC	TT	1940483594
SNP_P1_223230_148245	NW_004516520.1	Scaffold1272	148245	AA	CC	1940483595
SNP_P1_223231_148261	NW_004516520.1	Scaffold1272	148261	TT	GG	1940483596
SNP_P1_223232_161408	NW_004516520.1	Scaffold1272	161408	CC	TT	1940483597
SNP_P1_223233_164842	NW_004516520.1	Scaffold1272	164842	CC	AA	1940483598
SNP_P1_223234_169161	NW_004516520.1	Scaffold1272	169161	AA	GG	1940483599
SNP_P1_223235_169242	NW_004516520.1	Scaffold1272	169242	CC	TT	1940483600
SNP_P1_223236_169243	NW_004516520.1	Scaffold1272	169243	GG	AA	1940483601
SNP_P1_223237_183810	NW_004516520.1	Scaffold1272	183810	TT	CC	1940483602
SNP_P1_223238_190429	NW_004516520.1	Scaffold1272	190429	TT	GG	1940483603
SNP_P1_223239_190465	NW_004516520.1	Scaffold1272	190465	TT	CC	1940483604
SNP_P1_223240_190558	NW_004516520.1	Scaffold1272	190558	TT	CC	1940483605
SNP_P1_223241_190699	NW_004516520.1	Scaffold1272	190699	AA	GG	1940483606
SNP_P1_223242_190816	NW_004516520.1	Scaffold1272	190816	CC	AA	1940483607
SNP_P1_223243_190829	NW_004516520.1	Scaffold1272	190829	AA	GG	1940483608
SNP_P1_223244_190960	NW_004516520.1	Scaffold1272	190960	GG	TT	1940483609
SNP_P1_223245_197151	NW_004516520.1	Scaffold1272	197151	TT	GG	1940483610
SNP_P1_223246_197548	NW_004516520.1	Scaffold1272	197548	GG	AA	1940483611
SNP_P1_223247_197567	NW_004516520.1	Scaffold1272	197567	AA	GG	1940483612
SNP_P1_223248_197584	NW_004516520.1	Scaffold1272	197584	CC	TT	1940483613
SNP_P1_223249_197609	NW_004516520.1	Scaffold1272	197609	TT	AA	1940483614
SNP_P1_223250_197620	NW_004516520.1	Scaffold1272	197620	GG	AA	1940483615
SNP_P1_223251_197663	NW_004516520.1	Scaffold1272	197663	CC	TT	1940483616

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223253_206637	NW_004516520.1	Scaffold1272	206637	TT	GG	1940483618
SNP_P1_223254_206917	NW_004516520.1	Scaffold1272	206917	TT	GG	1940483619
SNP_P1_223255_210061	NW_004516520.1	Scaffold1272	210061	TT	CC	1940483620
SNP_P1_223256_210422	NW_004516520.1	Scaffold1272	210422	AA	GG	1940483621
SNP_P1_223257_210434	NW_004516520.1	Scaffold1272	210434	AA	GG	1940483622
SNP_P1_223258_210453	NW_004516520.1	Scaffold1272	210453	GG	AA	1940483623
SNP_P1_223259_215575	NW_004516520.1	Scaffold1272	215575	TT	AA	1940483624
SNP_P1_223260_215577	NW_004516520.1	Scaffold1272	215577	TT	GG	1940483625
SNP_P1_223261_219595	NW_004516520.1	Scaffold1272	219595	AA	TT	1940483626
SNP_P1_223262_231639	NW_004516520.1	Scaffold1272	231639	GG	TT	1940483627
SNP_P1_223263_231721	NW_004516520.1	Scaffold1272	231721	TT	CC	1940483628
SNP_P1_223264_235371	NW_004516520.1	Scaffold1272	235371	AA	TT	1940483629
SNP_P1_223265_3305	NW_004516522.1	Scaffold1274	3305	TT	GG	1940483630
SNP_P1_223266_3674	NW_004516522.1	Scaffold1274	3674	AA	GG	1940483631
SNP_P1_223268_6991	NW_004516522.1	Scaffold1274	6991	CC	GG	1940483632
SNP_P1_223269_7038	NW_004516522.1	Scaffold1274	7038	TT	CC	1940483633
SNP_P1_223270_7060	NW_004516522.1	Scaffold1274	7060	TT	CC	1940483634
SNP_P1_223271_7062	NW_004516522.1	Scaffold1274	7062	GG	TT	1940483635
SNP_P1_223272_7071	NW_004516522.1	Scaffold1274	7071	GG	AA	1940483636
SNP_P1_223273_7075	NW_004516522.1	Scaffold1274	7075	AA	GG	1940483637
SNP_P1_223274_7085	NW_004516522.1	Scaffold1274	7085	GG	CC	1940483638
SNP_P1_223275_7191	NW_004516522.1	Scaffold1274	7191	GG	CC	1940483639
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SNP_P1_223277_7212	NW_004516522.1	Scaffold1274	7212	CC	AA	1940483642
SNP_P1_223278_7230	NW_004516522.1	Scaffold1274	7230	CC	TT	1940483643
SNP_P1_223279_7274	NW_004516522.1	Scaffold1274	7274	TT	CC	1940483644
SNP_P1_223280_3706	NW_004516523.1	Scaffold1275	3706	GG	AA	1940483645
SNP_P1_223281_5397	NW_004516523.1	Scaffold1275	5397	GG	TT	1940483646
SNP_P1_223282_5461	NW_004516523.1	Scaffold1275	5461	TT	CC	1940483647
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SNP_P1_223284_5547	NW_004516523.1	Scaffold1275	5547	GG	CC	1940483649
SNP_P1_223285_5578	NW_004516523.1	Scaffold1275	5578	CC	TT	1940483650
SNP_P1_223286_5691	NW_004516523.1	Scaffold1275	5691	TT	CC	1940483651
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SNP_P1_223289_5820	NW_004516523.1	Scaffold1275	5820	TT	CC	1940483654
SNP_P1_223290_5827	NW_004516523.1	Scaffold1275	5827	TT	CC	1940483655
SNP_P1_223291_5844	NW_004516523.1	Scaffold1275	5844	GG	AA	1940483656
SNP_P1_223292_5860	NW_004516523.1	Scaffold1275	5860	CC	TT	1940483657
SNP_P1_223293_5861	NW_004516523.1	Scaffold1275	5861	AA	GG	1940483658
SNP_P1_223294_5889	NW_004516523.1	Scaffold1275	5889	GG	AA	1940483659

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223296_5917	NW_004516523.1	Scaffold1275	5917	GG	AA	1940483661
SNP_P1_223297_5933	NW_004516523.1	Scaffold1275	5933	TT	CC	1940483662
SNP_P1_223298_5935	NW_004516523.1	Scaffold1275	5935	AA	GG	1940483663
SNP_P1_223299_5972	NW_004516523.1	Scaffold1275	5972	GG	AA	1940483664
SNP_P1_223300_5973	NW_004516523.1	Scaffold1275	5973	AA	GG	1940483665
SNP_P1_223301_5997	NW_004516523.1	Scaffold1275	5997	GG	AA	1940483666
SNP_P1_223302_6003	NW_004516523.1	Scaffold1275	6003	CC	TT	1940483667
SNP_P1_223303_6035	NW_004516523.1	Scaffold1275	6035	TT	AA	1940483668
SNP_P1_223304_6054	NW_004516523.1	Scaffold1275	6054	AA	GG	1940483669
SNP_P1_223305_6055	NW_004516523.1	Scaffold1275	6055	AA	CC	1940483670
SNP_P1_223306_6056	NW_004516523.1	Scaffold1275	6056	GG	CC	1940483671
SNP_P1_223307_6058	NW_004516523.1	Scaffold1275	6058	AA	GG	1940483672
SNP_P1_223308_6181	NW_004516523.1	Scaffold1275	6181	GG	AA	1940483673
SNP_P1_223310_6290	NW_004516523.1	Scaffold1275	6290	CC	TT	1940483674
SNP_P1_223311_6363	NW_004516523.1	Scaffold1275	6363	AA	GG	1940483675
SNP_P1_223312_6380	NW_004516523.1	Scaffold1275	6380	TT	CC	1940483676
SNP_P1_223314_8714	NW_004516523.1	Scaffold1275	8714	CC	TT	1940483677
SNP_P1_223316_12123	NW_004516523.1	Scaffold1275	12123	CC	AA	1940483678
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SNP_P1_223318_12341	NW_004516523.1	Scaffold1275	12341	CC	AA	1940483680
SNP_P1_223319_12342	NW_004516523.1	Scaffold1275	12342	TT	GG	1940483681
SNP_P1_223320_135	NW_004516524.1	Scaffold1276	135	AA	GG	1940483682
SNP_P1_223321_335	NW_004516524.1	Scaffold1276	335	CC	TT	1940483683
SNP_P1_223322_615	NW_004516524.1	Scaffold1276	615	TT	AA	1940483684
SNP_P1_223323_618	NW_004516524.1	Scaffold1276	618	AA	GG	1940483685
SNP_P1_223324_623	NW_004516524.1	Scaffold1276	623	CC	TT	1940483686
SNP_P1_223325_958	NW_004516524.1	Scaffold1276	958	AA	TT	1940483687
SNP_P1_223326_1052	NW_004516524.1	Scaffold1276	1052	GG	CC	1940483688
SNP_P1_223327_1087	NW_004516524.1	Scaffold1276	1087	CC	AA	1940483689
SNP_P1_223328_1163	NW_004516524.1	Scaffold1276	1163	TT	CC	1940483690
SNP_P1_223330_1543	NW_004516524.1	Scaffold1276	1543	GG	AA	1940483691
SNP_P1_223332_1686	NW_004516524.1	Scaffold1276	1686	CC	TT	1940483692
SNP_P1_223333_1832	NW_004516524.1	Scaffold1276	1832	GG	TT	1940483693
SNP_P1_223334_1931	NW_004516524.1	Scaffold1276	1931	GG	AA	1940483694
SNP_P1_223335_20900	NW_004516524.1	Scaffold1276	20900	TT	GG	1940483695
SNP_P1_223336_25597	NW_004516524.1	Scaffold1276	25597	GG	CC	1940483696
SNP_P1_223337_34877	NW_004516524.1	Scaffold1276	34877	AA	GG	1940483697
SNP_P1_223338_43742	NW_004516524.1	Scaffold1276	43742	GG	AA	1940483698
SNP_P1_223339_43751	NW_004516524.1	Scaffold1276	43751	TT	CC	1940483699
SNP_P1_223340_45666	NW_004516524.1	Scaffold1276	45666	TT	GG	1940483700
SNP_P1_223341_47797	NW_004516524.1	Scaffold1276	47797	AA	TT	1940483701

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223344_53397	NW_004516524.1	Scaffold1276	53397	CC	GG	1940483703
SNP_P1_223345_53402	NW_004516524.1	Scaffold1276	53402	AA	TT	1940483704
SNP_P1_223346_53405	NW_004516524.1	Scaffold1276	53405	TT	GG	1940483705
SNP_P1_223347_53436	NW_004516524.1	Scaffold1276	53436	TT	GG	1940483706
SNP_P1_223348_53690	NW_004516524.1	Scaffold1276	53690	TT	GG	1940483707
SNP_P1_223349_58730	NW_004516524.1	Scaffold1276	58730	AA	GG	1940483708
SNP_P1_223350_58745	NW_004516524.1	Scaffold1276	58745	TT	CC	1940483709
SNP_P1_223351_58749	NW_004516524.1	Scaffold1276	58749	GG	TT	1940483710
SNP_P1_223352_58793	NW_004516524.1	Scaffold1276	58793	CC	TT	1940483711
SNP_P1_223353_58796	NW_004516524.1	Scaffold1276	58796	CC	TT	1940483712
SNP_P1_223354_58804	NW_004516524.1	Scaffold1276	58804	CC	TT	1940483713
SNP_P1_223355_58862	NW_004516524.1	Scaffold1276	58862	CC	TT	1940483714
SNP_P1_223356_58874	NW_004516524.1	Scaffold1276	58874	AA	GG	1940483715
SNP_P1_223357_58919	NW_004516524.1	Scaffold1276	58919	CC	TT	1940483716
SNP_P1_223358_62494	NW_004516524.1	Scaffold1276	62494	AA	GG	1940483717
SNP_P1_223359_495	NW_004516525.1	Scaffold1278	495	CC	AA	1940483718
SNP_P1_223360_10163	NW_004516525.1	Scaffold1278	10163	CC	GG	1940483719
SNP_P1_223361_10200	NW_004516525.1	Scaffold1278	10200	GG	CC	1940483720
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SNP_P1_223363_10785	NW_004516525.1	Scaffold1278	10785	AA	GG	1940483722
SNP_P1_223364_10794	NW_004516525.1	Scaffold1278	10794	AA	TT	1940483723
SNP_P1_223365_10813	NW_004516525.1	Scaffold1278	10813	AA	GG	1940483724
SNP_P1_223366_10821	NW_004516525.1	Scaffold1278	10821	AA	GG	1940483725
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SNP_P1_223368_10925	NW_004516525.1	Scaffold1278	10925	TT	CC	1940483727
SNP_P1_223369_10947	NW_004516525.1	Scaffold1278	10947	GG	AA	1940483728
SNP_P1_223370_10962	NW_004516525.1	Scaffold1278	10962	AA	GG	1940483729
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SNP_P1_223372_11216	NW_004516525.1	Scaffold1278	11216	GG	AA	1940483731
SNP_P1_223374_34804	NW_004516525.1	Scaffold1278	34804	AA	CC	1940483732
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SNP_P1_223376_35154	NW_004516525.1	Scaffold1278	35154	GG	TT	1940483734
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SNP_P1_223379_35348	NW_004516525.1	Scaffold1278	35348	TT	GG	1940483737
SNP_P1_223380_35394	NW_004516525.1	Scaffold1278	35394	TT	CC	1940483738
SNP_P1_223381_35535	NW_004516525.1	Scaffold1278	35535	AA	TT	1940483739
SNP_P1_223383_35914	NW_004516525.1	Scaffold1278	35914	CC	TT	1940483740
SNP_P1_223384_35942	NW_004516525.1	Scaffold1278	35942	AA	GG	1940483741
SNP_P1_223385_35972	NW_004516525.1	Scaffold1278	35972	CC	AA	1940483742
SNP_P1_223386_35975	NW_004516525.1	Scaffold1278	35975	GG	AA	1940483743

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223390_46645	NW_004516525.1	Scaffold1278	46645	CC	TT	1940483746
SNP_P1_223392_62178	NW_004516525.1	Scaffold1278	62178	TT	GG	1940483747
SNP_P1_223393_62180	NW_004516525.1	Scaffold1278	62180	TT	CC	1940483748
SNP_P1_223394_62182	NW_004516525.1	Scaffold1278	62182	GG	AA	1940483749
SNP_P1_223395_62193	NW_004516525.1	Scaffold1278	62193	TT	CC	1940483750
SNP_P1_223396_62213	NW_004516525.1	Scaffold1278	62213	GG	AA	1940483751
SNP_P1_223397_62249	NW_004516525.1	Scaffold1278	62249	AA	GG	1940483752
SNP_P1_223398_62271	NW_004516525.1	Scaffold1278	62271	TT	AA	1940483753
SNP_P1_223399_62272	NW_004516525.1	Scaffold1278	62272	GG	AA	1940483754
SNP_P1_223400_62273	NW_004516525.1	Scaffold1278	62273	GG	AA	1940483755
SNP_P1_223401_62278	NW_004516525.1	Scaffold1278	62278	AA	GG	1940483756
SNP_P1_223402_62310	NW_004516525.1	Scaffold1278	62310	TT	CC	1940483757
SNP_P1_223403_62326	NW_004516525.1	Scaffold1278	62326	GG	TT	1940483758
SNP_P1_223404_62334	NW_004516525.1	Scaffold1278	62334	TT	CC	1940483759
SNP_P1_223405_62335	NW_004516525.1	Scaffold1278	62335	TT	CC	1940483760
SNP_P1_223406_62346	NW_004516525.1	Scaffold1278	62346	GG	AA	1940483761
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SNP_P1_223414_62852	NW_004516525.1	Scaffold1278	62852	GG	TT	1940483769
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SNP_P1_223418_62921	NW_004516525.1	Scaffold1278	62921	TT	GG	1940483773
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SNP_P1_223424_63192	NW_004516525.1	Scaffold1278	63192	AA	GG	1940483778
SNP_P1_223425_63215	NW_004516525.1	Scaffold1278	63215	GG	AA	1940483779
SNP_P1_223426_63237	NW_004516525.1	Scaffold1278	63237	CC	TT	1940483780
SNP_P1_223429_63317	NW_004516525.1	Scaffold1278	63317	TT	CC	1940483781
SNP_P1_223430_63319	NW_004516525.1	Scaffold1278	63319	AA	GG	1940483782
SNP_P1_223431_63354	NW_004516525.1	Scaffold1278	63354	AA	GG	1940483783
SNP_P1_223432_63387	NW_004516525.1	Scaffold1278	63387	AA	GG	1940483784
SNP_P1_223433_63411	NW_004516525.1	Scaffold1278	63411	CC	TT	1940483785

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223438_84020	NW_004516525.1	Scaffold1278	84020	GG	AA	1940483788
SNP_P1_223440_88725	NW_004516525.1	Scaffold1278	88725	GG	AA	1940483789
SNP_P1_223441_95444	NW_004516525.1	Scaffold1278	95444	GG	AA	1940483790
SNP_P1_223442_95459	NW_004516525.1	Scaffold1278	95459	TT	CC	1940483791
SNP_P1_223443_95500	NW_004516525.1	Scaffold1278	95500	AA	CC	1940483792
SNP_P1_223444_95505	NW_004516525.1	Scaffold1278	95505	AA	TT	1940483793
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SNP_P1_223446_95548	NW_004516525.1	Scaffold1278	95548	TT	GG	1940483795
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SNP_P1_223448_95990	NW_004516525.1	Scaffold1278	95990	AA	GG	1940483797
SNP_P1_223449_96018	NW_004516525.1	Scaffold1278	96018	AA	GG	1940483798
SNP_P1_223450_96039	NW_004516525.1	Scaffold1278	96039	AA	GG	1940483799
SNP_P1_223451_96781	NW_004516525.1	Scaffold1278	96781	CC	AA	1940483800
SNP_P1_223452_96807	NW_004516525.1	Scaffold1278	96807	AA	CC	1940483801
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SNP_P1_223454_97927	NW_004516525.1	Scaffold1278	97927	CC	TT	1940483803
SNP_P1_223455_99015	NW_004516525.1	Scaffold1278	99015	TT	CC	1940483805
SNP_P1_223456_99984	NW_004516525.1	Scaffold1278	99984	AA	GG	1940483806
SNP_P1_223457_100111	NW_004516525.1	Scaffold1278	100111	TT	CC	1940483807
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SNP_P1_223462_106335	NW_004516525.1	Scaffold1278	106335	GG	AA	1940483812
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SNP_P1_223468_133641	NW_004516525.1	Scaffold1278	133641	TT	AA	1940483814
SNP_P1_223470_597	NW_004516526.1	Scaffold1279	597	TT	CC	1940483815
SNP_P1_223471_824	NW_004516526.1	Scaffold1279	824	TT	CC	1940483816
SNP_P1_223472_837	NW_004516526.1	Scaffold1279	837	TT	CC	1940483817
SNP_P1_223473_838	NW_004516526.1	Scaffold1279	838	TT	AA	1940483818
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SNP_P1_223476_1290	NW_004516526.1	Scaffold1279	1290	TT	CC	1940483821
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SNP_P1_223480_4659	NW_004516527.1	Scaffold1281	4659	CC	AA	1940483825
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SNP_P1_223482_29576	NW_004516527.1	Scaffold1281	29576	AA	TT	1940483827
SNP_P1_223483_40648	NW_004516527.1	Scaffold1281	40648	AA	GG	1940483828

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223487_46768	NW_004516527.1	Scaffold1281	46768	AA	GG	1940483831
SNP_P1_223488_46810	NW_004516527.1	Scaffold1281	46810	GG	AA	1940483832
SNP_P1_223489_47457	NW_004516527.1	Scaffold1281	47457	CC	GG	1940483833
SNP_P1_223490_47525	NW_004516527.1	Scaffold1281	47525	CC	TT	1940483834
SNP_P1_223491_48284	NW_004516527.1	Scaffold1281	48284	GG	AA	1940483835
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SNP_P1_223493_50796	NW_004516527.1	Scaffold1281	50796	CC	GG	1940483837
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SNP_P1_223495_51176	NW_004516527.1	Scaffold1281	51176	AA	CC	1940483839
SNP_P1_223496_51547	NW_004516527.1	Scaffold1281	51547	GG	AA	1940483840
SNP_P1_223497_51650	NW_004516527.1	Scaffold1281	51650	GG	TT	1940483841
SNP_P1_223498_51752	NW_004516527.1	Scaffold1281	51752	AA	GG	1940483842
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SNP_P1_223500_51921	NW_004516527.1	Scaffold1281	51921	TT	AA	1940483844
SNP_P1_223501_51955	NW_004516527.1	Scaffold1281	51955	TT	AA	1940483845
SNP_P1_223502_51956	NW_004516527.1	Scaffold1281	51956	TT	AA	1940483846
SNP_P1_223503_52043	NW_004516527.1	Scaffold1281	52043	CC	AA	1940483847
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SNP_P1_223512_115275	NW_004516527.1	Scaffold1281	115275	TT	CC	1940483855
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SNP_P1_223514_160415	NW_004516527.1	Scaffold1281	160415	AA	GG	1940483857
SNP_P1_223516_166134	NW_004516527.1	Scaffold1281	166134	AA	GG	1940483858
SNP_P1_223517_168727	NW_004516527.1	Scaffold1281	168727	AA	TT	1940483859
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SNP_P1_223520_194327	NW_004516527.1	Scaffold1281	194327	TT	CC	1940483861
SNP_P1_223521_194337	NW_004516527.1	Scaffold1281	194337	TT	GG	1940483862
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SNP_P1_223529_287552	NW_004516527.1	Scaffold1281	287552	AA	GG	1940483869
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223534_297003	NW_004516527.1	Scaffold1281	297003	GG	AA	1940483873
SNP_P1_223535_297006	NW_004516527.1	Scaffold1281	297006	CC	TT	1940483874
SNP_P1_223537_308631	NW_004516527.1	Scaffold1281	308631	GG	AA	1940483875
SNP_P1_223538_312496	NW_004516527.1	Scaffold1281	312496	TT	AA	1940483876
SNP_P1_223539_312622	NW_004516527.1	Scaffold1281	312622	GG	AA	1940483877
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SNP_P1_223541_345241	NW_004516527.1	Scaffold1281	345241	TT	AA	1940483879
SNP_P1_223542_375165	NW_004516527.1	Scaffold1281	375165	AA	GG	1940483880
SNP_P1_223543_376161	NW_004516527.1	Scaffold1281	376161	TT	CC	1940483881
SNP_P1_223544_376175	NW_004516527.1	Scaffold1281	376175	CC	GG	1940483882
SNP_P1_223545_376316	NW_004516527.1	Scaffold1281	376316	GG	AA	1940483883
SNP_P1_223548_376414	NW_004516527.1	Scaffold1281	376414	CC	TT	1940483884
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SNP_P1_223550_376537	NW_004516527.1	Scaffold1281	376537	GG	TT	1940483886
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SNP_P1_223556_414579	NW_004516527.1	Scaffold1281	414579	AA	GG	1940483890
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SNP_P1_223565_467483	NW_004516527.1	Scaffold1281	467483	GG	AA	1940483898
SNP_P1_223566_467565	NW_004516527.1	Scaffold1281	467565	CC	TT	1940483899
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SNP_P1_223570_470972	NW_004516527.1	Scaffold1281	470972	AA	TT	1940483901
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SNP_P1_223572_471371	NW_004516527.1	Scaffold1281	471371	CC	TT	1940483903
SNP_P1_223573_471404	NW_004516527.1	Scaffold1281	471404	GG	AA	1940483904
SNP_P1_223574_471422	NW_004516527.1	Scaffold1281	471422	AA	TT	1940483905
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SNP_P1_223580_472102	NW_004516527.1	Scaffold1281	472102	TT	CC	1940483910
SNP_P1_223583_475333	NW_004516527.1	Scaffold1281	475333	AA	GG	1940483911
SNP_P1_223584_475918	NW_004516527.1	Scaffold1281	475918	AA	GG	1940483912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223587_491991	NW_004516527.1	Scaffold1281	491991	AA	GG	1940483915
SNP_P1_223588_491992	NW_004516527.1	Scaffold1281	491992	AA	TT	1940483916
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SNP_P1_223629_4166	NW_004516528.1	Scaffold1283	4166	CC	AA	1940483954

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223635_22832	NW_004516528.1	Scaffold1283	22832	GG	TT	1940483960
SNP_P1_223636_22847	NW_004516528.1	Scaffold1283	22847	TT	CC	1940483961
SNP_P1_223637_22850	NW_004516528.1	Scaffold1283	22850	TT	CC	1940483962
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SNP_P1_223643_53805	NW_004516528.1	Scaffold1283	53805	TT	AA	1940483969
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SNP_P1_223674_66212	NW_004516529.1	Scaffold1285	66212	TT	CC	1940483997

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_223675_66234	NW_004516529.1	Scaffold1285	66234	CC	GG	1940483998
SNP_P1_223676_67137	NW_004516529.1	Scaffold1285	67137	AA	GG	1940483999
SNP_P1_223677_67139	NW_004516529.1	Scaffold1285	67139	TT	AA	1940484000
SNP_P1_223678_67274	NW_004516529.1	Scaffold1285	67274	TT	CC	1940484001
SNP_P1_223679_67281	NW_004516529.1	Scaffold1285	67281	AA	GG	1940484002
SNP_P1_223680_67301	NW_004516529.1	Scaffold1285	67301	AA	GG	1940484003
SNP_P1_223681_67418	NW_004516529.1	Scaffold1285	67418	TT	GG	1940484004
SNP_P1_223682_67467	NW_004516529.1	Scaffold1285	67467	AA	TT	1940484005
SNP_P1_223683_67548	NW_004516529.1	Scaffold1285	67548	TT	AA	1940484006
SNP_P1_223684_67556	NW_004516529.1	Scaffold1285	67556	AA	GG	1940484007
SNP_P1_223685_67598	NW_004516529.1	Scaffold1285	67598	GG	AA	1940484008
SNP_P1_223686_67602	NW_004516529.1	Scaffold1285	67602	AA	CC	1940484009
SNP_P1_223687_67603	NW_004516529.1	Scaffold1285	67603	TT	CC	1940484010
SNP_P1_223688_67606	NW_004516529.1	Scaffold1285	67606	AA	TT	1940484011
SNP_P1_223689_67618	NW_004516529.1	Scaffold1285	67618	AA	CC	1940484012
SNP_P1_223690_67695	NW_004516529.1	Scaffold1285	67695	TT	CC	1940484013
SNP_P1_223691_69161	NW_004516529.1	Scaffold1285	69161	GG	AA	1940484014
SNP_P1_223692_69581	NW_004516529.1	Scaffold1285	69581	AA	CC	1940484015
SNP_P1_223693_69626	NW_004516529.1	Scaffold1285	69626	TT	AA	1940484016
SNP_P1_223694_73102	NW_004516529.1	Scaffold1285	73102	AA	GG	1940484017
SNP_P1_223695_91209	NW_004516529.1	Scaffold1285	91209	AA	GG	1940484018
SNP_P1_223697_97014	NW_004516529.1	Scaffold1285	97014	TT	CC	1940484019
SNP_P1_223698_99026	NW_004516529.1	Scaffold1285	99026	AA	GG	1940484020
SNP_P1_223699_104436	NW_004516529.1	Scaffold1285	104436	TT	CC	1940484021
SNP_P1_223700_140263	NW_004516529.1	Scaffold1285	140263	GG	AA	1940484022
SNP_P1_223701_140641	NW_004516529.1	Scaffold1285	140641	AA	TT	1940484023
SNP_P1_223702_140662	NW_004516529.1	Scaffold1285	140662	CC	TT	1940484024
SNP_P1_223703_146392	NW_004516529.1	Scaffold1285	146392	GG	AA	1940484025
SNP_P1_223704_149125	NW_004516529.1	Scaffold1285	149125	GG	AA	1940484026
SNP_P1_223705_153557	NW_004516529.1	Scaffold1285	153557	GG	TT	1940484027
SNP_P1_223706_154780	NW_004516529.1	Scaffold1285	154780	TT	AA	1940484028
SNP_P1_223707_173926	NW_004516529.1	Scaffold1285	173926	TT	GG	1940484029
SNP_P1_223708_198252	NW_004516529.1	Scaffold1285	198252	AA	GG	1940484030
SNP_P1_223709_199145	NW_004516529.1	Scaffold1285	199145	AA	GG	1940484031
SNP_P1_223710_199152	NW_004516529.1	Scaffold1285	199152	CC	TT	1940484032
SNP_P1_223711_199169	NW_004516529.1	Scaffold1285	199169	AA	GG	1940484033
SNP_P1_223712_199197	NW_004516529.1	Scaffold1285	199197	AA	CC	1940484034
SNP_P1_223713_199383	NW_004516529.1	Scaffold1285	199383	CC	GG	1940484035
SNP_P1_223714_199434	NW_004516529.1	Scaffold1285	199434	CC	GG	1940484036
SNP_P1_223715_199466	NW_004516529.1	Scaffold1285	199466	CC	TT	1940484037
SNP_P1_223716_204225	NW_004516529.1	Scaffold1285	204225	AA	GG	1940484038
SNP_P1_223717_204474	NW_004516529.1	Scaffold1285	204474	TT	CC	1940484039

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_223718_204605	NW_004516529.1	Scaffold1285	204605	CC	TT	1940484040
SNP_P1_223719_204935	NW_004516529.1	Scaffold1285	204935	CC	TT	1940484041
SNP_P1_223720_204949	NW_004516529.1	Scaffold1285	204949	TT	CC	1940484042
SNP_P1_223721_204990	NW_004516529.1	Scaffold1285	204990	CC	TT	1940484043
SNP_P1_223722_204997	NW_004516529.1	Scaffold1285	204997	AA	CC	1940484044
SNP_P1_223723_205007	NW_004516529.1	Scaffold1285	205007	TT	GG	1940484045
SNP_P1_223724_210981	NW_004516529.1	Scaffold1285	210981	AA	TT	1940484046
SNP_P1_223725_210992	NW_004516529.1	Scaffold1285	210992	CC	TT	1940484047
SNP_P1_223726_211052	NW_004516529.1	Scaffold1285	211052	TT	GG	1940484048
SNP_P1_223727_211059	NW_004516529.1	Scaffold1285	211059	TT	CC	1940484049
SNP_P1_223728_211083	NW_004516529.1	Scaffold1285	211083	TT	CC	1940484050
SNP_P1_223729_211091	NW_004516529.1	Scaffold1285	211091	AA	CC	1940484051
SNP_P1_223730_211094	NW_004516529.1	Scaffold1285	211094	TT	CC	1940484052
SNP_P1_223731_211470	NW_004516529.1	Scaffold1285	211470	TT	CC	1940484053
SNP_P1_223732_214141	NW_004516529.1	Scaffold1285	214141	CC	AA	1940484054
SNP_P1_223733_232232	NW_004516529.1	Scaffold1285	232232	TT	AA	1940484055
SNP_P1_223735_235918	NW_004516529.1	Scaffold1285	235918	TT	CC	1940484056
SNP_P1_223736_237223	NW_004516529.1	Scaffold1285	237223	TT	AA	1940484057
SNP_P1_223737_239631	NW_004516529.1	Scaffold1285	239631	AA	GG	1940484058
SNP_P1_223738_239666	NW_004516529.1	Scaffold1285	239666	AA	CC	1940484059
SNP_P1_223739_239674	NW_004516529.1	Scaffold1285	239674	GG	AA	1940484060
SNP_P1_223740_239869	NW_004516529.1	Scaffold1285	239869	AA	CC	1940484061
SNP_P1_223741_239884	NW_004516529.1	Scaffold1285	239884	AA	GG	1940484062
SNP_P1_223742_244078	NW_004516529.1	Scaffold1285	244078	TT	CC	1940484063
SNP_P1_223743_244522	NW_004516529.1	Scaffold1285	244522	GG	AA	1940484064
SNP_P1_223744_245897	NW_004516529.1	Scaffold1285	245897	AA	GG	1940484065
SNP_P1_223745_251923	NW_004516529.1	Scaffold1285	251923	CC	TT	1940484066
SNP_P1_223746_251932	NW_004516529.1	Scaffold1285	251932	AA	GG	1940484067
SNP_P1_223748_254815	NW_004516529.1	Scaffold1285	254815	AA	GG	1940484068
SNP_P1_223749_254829	NW_004516529.1	Scaffold1285	254829	CC	AA	1940484069
SNP_P1_223751_278487	NW_004516529.1	Scaffold1285	278487	AA	GG	1940484070
SNP_P1_223752_278501	NW_004516529.1	Scaffold1285	278501	TT	GG	1940484071
SNP_P1_223753_278535	NW_004516529.1	Scaffold1285	278535	TT	AA	1940484072
SNP_P1_223754_279037	NW_004516529.1	Scaffold1285	279037	AA	TT	1940484073
SNP_P1_223755_279049	NW_004516529.1	Scaffold1285	279049	CC	TT	1940484074
SNP_P1_223756_279057	NW_004516529.1	Scaffold1285	279057	CC	AA	1940484075
SNP_P1_223757_279058	NW_004516529.1	Scaffold1285	279058	AA	GG	1940484076
SNP_P1_223758_286072	NW_004516529.1	Scaffold1285	286072	CC	TT	1940484077
SNP_P1_223759_286074	NW_004516529.1	Scaffold1285	286074	CC	AA	1940484078
SNP_P1_223760_326096	NW_004516529.1	Scaffold1285	326096	CC	TT	1940484079
SNP_P1_223761_328694	NW_004516529.1	Scaffold1285	328694	CC	TT	1940484080
SNP_P1_223762_330514	NW_004516529.1	Scaffold1285	330514	CC	TT	1940484081

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223764_330897	NW_004516529.1	Scaffold1285	330897	TT	AA	1940484083
SNP_P1_223765_331703	NW_004516529.1	Scaffold1285	331703	AA	GG	1940484084
SNP_P1_223766_331711	NW_004516529.1	Scaffold1285	331711	TT	CC	1940484085
SNP_P1_223767_331811	NW_004516529.1	Scaffold1285	331811	AA	GG	1940484086
SNP_P1_223768_331981	NW_004516529.1	Scaffold1285	331981	CC	TT	1940484087
SNP_P1_223769_332169	NW_004516529.1	Scaffold1285	332169	TT	CC	1940484088
SNP_P1_223770_1989	NW_004516530.1	Scaffold1286	1989	CC	TT	1940484089
SNP_P1_223771_2168	NW_004516530.1	Scaffold1286	2168	CC	TT	1940484090
SNP_P1_223772_2200	NW_004516530.1	Scaffold1286	2200	AA	GG	1940484091
SNP_P1_223773_2249	NW_004516530.1	Scaffold1286	2249	TT	CC	1940484092
SNP_P1_223774_2255	NW_004516530.1	Scaffold1286	2255	GG	AA	1940484093
SNP_P1_223775_2491	NW_004516530.1	Scaffold1286	2491	CC	TT	1940484094
SNP_P1_223776_2550	NW_004516530.1	Scaffold1286	2550	AA	GG	1940484095
SNP_P1_223777_6982	NW_004516530.1	Scaffold1286	6982	GG	TT	1940484096
SNP_P1_223778_14591	NW_004516530.1	Scaffold1286	14591	GG	AA	1940484097
SNP_P1_223779_14595	NW_004516530.1	Scaffold1286	14595	TT	AA	1940484098
SNP_P1_223780_15429	NW_004516530.1	Scaffold1286	15429	GG	TT	1940484099
SNP_P1_223781_15455	NW_004516530.1	Scaffold1286	15455	GG	CC	1940484100
SNP_P1_223782_15547	NW_004516530.1	Scaffold1286	15547	CC	TT	1940484101
SNP_P1_223783_15559	NW_004516530.1	Scaffold1286	15559	CC	GG	1940484102
SNP_P1_223784_15626	NW_004516530.1	Scaffold1286	15626	CC	GG	1940484103
SNP_P1_223785_15664	NW_004516530.1	Scaffold1286	15664	AA	TT	1940484104
SNP_P1_223786_15689	NW_004516530.1	Scaffold1286	15689	AA	CC	1940484105
SNP_P1_223787_15741	NW_004516530.1	Scaffold1286	15741	AA	CC	1940484106
SNP_P1_223788_15843	NW_004516530.1	Scaffold1286	15843	TT	CC	1940484107
SNP_P1_223789_15901	NW_004516530.1	Scaffold1286	15901	TT	AA	1940484108
SNP_P1_223790_16472	NW_004516530.1	Scaffold1286	16472	GG	AA	1940484109
SNP_P1_223791_22622	NW_004516530.1	Scaffold1286	22622	GG	TT	1940484110
SNP_P1_223792_686	NW_004516532.1	Scaffold1290	686	AA	TT	1940484111
SNP_P1_223793_64	NW_004516533.1	Scaffold1291	64	AA	GG	1940484112
SNP_P1_223794_65	NW_004516533.1	Scaffold1291	65	AA	GG	1940484113
SNP_P1_223795_224	NW_004516533.1	Scaffold1291	224	AA	TT	1940484114
SNP_P1_223796_4155	NW_004516534.1	Scaffold1292	4155	CC	TT	1940484115
SNP_P1_223797_6796	NW_004516534.1	Scaffold1292	6796	AA	TT	1940484116
SNP_P1_223798_6824	NW_004516534.1	Scaffold1292	6824	AA	TT	1940484118
SNP_P1_223799_7562	NW_004516534.1	Scaffold1292	7562	GG	AA	1940484119
SNP_P1_223801_8032	NW_004516534.1	Scaffold1292	8032	TT	CC	1940484120
SNP_P1_223802_8136	NW_004516534.1	Scaffold1292	8136	AA	GG	1940484121
SNP_P1_223803_8147	NW_004516534.1	Scaffold1292	8147	TT	AA	1940484122
SNP_P1_223804_8181	NW_004516534.1	Scaffold1292	8181	TT	AA	1940484123
SNP_P1_223805_8196	NW_004516534.1	Scaffold1292	8196	CC	AA	1940484124

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223807_8270	NW_004516534.1	Scaffold1292	8270	TT	GG	1940484126
SNP_P1_223808_31604	NW_004516535.1	Scaffold1293	31604	GG	AA	1940484127
SNP_P1_223809_31666	NW_004516535.1	Scaffold1293	31666	AA	CC	1940484128
SNP_P1_223810_31689	NW_004516535.1	Scaffold1293	31689	CC	TT	1940484129
SNP_P1_223811_31733	NW_004516535.1	Scaffold1293	31733	AA	TT	1940484130
SNP_P1_223812_31800	NW_004516535.1	Scaffold1293	31800	CC	TT	1940484131
SNP_P1_223813_31806	NW_004516535.1	Scaffold1293	31806	CC	TT	1940484132
SNP_P1_223814_31807	NW_004516535.1	Scaffold1293	31807	TT	GG	1940484133
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SNP_P1_223817_44413	NW_004516535.1	Scaffold1293	44413	AA	GG	1940484136
SNP_P1_223818_44426	NW_004516535.1	Scaffold1293	44426	TT	CC	1940484137
SNP_P1_223819_44441	NW_004516535.1	Scaffold1293	44441	TT	GG	1940484138
SNP_P1_223820_44484	NW_004516535.1	Scaffold1293	44484	TT	AA	1940484139
SNP_P1_223821_44764	NW_004516535.1	Scaffold1293	44764	AA	GG	1940484140
SNP_P1_223822_44790	NW_004516535.1	Scaffold1293	44790	AA	GG	1940484141
SNP_P1_223823_54073	NW_004516535.1	Scaffold1293	54073	AA	GG	1940484142
SNP_P1_223824_60659	NW_004516535.1	Scaffold1293	60659	CC	AA	1940484143
SNP_P1_223825_66293	NW_004516535.1	Scaffold1293	66293	AA	CC	1940484144
SNP_P1_223826_66592	NW_004516535.1	Scaffold1293	66592	CC	TT	1940484145
SNP_P1_223827_66598	NW_004516535.1	Scaffold1293	66598	GG	TT	1940484146
SNP_P1_223828_66735	NW_004516535.1	Scaffold1293	66735	CC	TT	1940484147
SNP_P1_223829_66743	NW_004516535.1	Scaffold1293	66743	TT	GG	1940484148
SNP_P1_223830_67174	NW_004516535.1	Scaffold1293	67174	CC	TT	1940484149
SNP_P1_223831_67196	NW_004516535.1	Scaffold1293	67196	CC	TT	1940484150
SNP_P1_223832_67558	NW_004516535.1	Scaffold1293	67558	TT	AA	1940484151
SNP_P1_223833_68015	NW_004516535.1	Scaffold1293	68015	AA	TT	1940484152
SNP_P1_223834_68226	NW_004516535.1	Scaffold1293	68226	GG	TT	1940484153
SNP_P1_223835_68243	NW_004516535.1	Scaffold1293	68243	CC	TT	1940484154
SNP_P1_223836_68618	NW_004516535.1	Scaffold1293	68618	TT	CC	1940484155
SNP_P1_223837_68784	NW_004516535.1	Scaffold1293	68784	CC	GG	1940484156
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SNP_P1_223842_71522	NW_004516535.1	Scaffold1293	71522	TT	GG	1940484161
SNP_P1_223843_72373	NW_004516535.1	Scaffold1293	72373	CC	AA	1940484162
SNP_P1_223844_72394	NW_004516535.1	Scaffold1293	72394	GG	AA	1940484163
SNP_P1_223845_72515	NW_004516535.1	Scaffold1293	72515	AA	TT	1940484164
SNP_P1_223846_72518	NW_004516535.1	Scaffold1293	72518	TT	CC	1940484165
SNP_P1_223847_73109	NW_004516535.1	Scaffold1293	73109	TT	CC	1940484166

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223849_78498	NW_004516535.1	Scaffold1293	78498	GG	AA	1940484168
SNP_P1_223850_79139	NW_004516535.1	Scaffold1293	79139	AA	TT	1940484169
SNP_P1_223851_79161	NW_004516535.1	Scaffold1293	79161	CC	GG	1940484170
SNP_P1_223852_79222	NW_004516535.1	Scaffold1293	79222	GG	TT	1940484171
SNP_P1_223853_79234	NW_004516535.1	Scaffold1293	79234	GG	CC	1940484172
SNP_P1_223854_79330	NW_004516535.1	Scaffold1293	79330	TT	AA	1940484173
SNP_P1_223855_80372	NW_004516535.1	Scaffold1293	80372	TT	AA	1940484174
SNP_P1_223856_80382	NW_004516535.1	Scaffold1293	80382	TT	CC	1940484175
SNP_P1_223857_80402	NW_004516535.1	Scaffold1293	80402	TT	GG	1940484176
SNP_P1_223858_80465	NW_004516535.1	Scaffold1293	80465	AA	GG	1940484177
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SNP_P1_223861_87938	NW_004516535.1	Scaffold1293	87938	AA	CC	1940484180
SNP_P1_223862_87951	NW_004516535.1	Scaffold1293	87951	TT	AA	1940484181
SNP_P1_223863_88500	NW_004516535.1	Scaffold1293	88500	GG	CC	1940484182
SNP_P1_223864_88516	NW_004516535.1	Scaffold1293	88516	AA	CC	1940484183
SNP_P1_223865_88582	NW_004516535.1	Scaffold1293	88582	GG	AA	1940484184
SNP_P1_223866_88594	NW_004516535.1	Scaffold1293	88594	GG	CC	1940484185
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SNP_P1_223868_91084	NW_004516535.1	Scaffold1293	91084	CC	AA	1940484187
SNP_P1_223869_91334	NW_004516535.1	Scaffold1293	91334	GG	TT	1940484188
SNP_P1_223870_91420	NW_004516535.1	Scaffold1293	91420	TT	GG	1940484189
SNP_P1_223871_91584	NW_004516535.1	Scaffold1293	91584	CC	GG	1940484190
SNP_P1_223872_91614	NW_004516535.1	Scaffold1293	91614	GG	CC	1940484191
SNP_P1_223873_91623	NW_004516535.1	Scaffold1293	91623	CC	TT	1940484192
SNP_P1_223874_91654	NW_004516535.1	Scaffold1293	91654	CC	TT	1940484193
SNP_P1_223875_91918	NW_004516535.1	Scaffold1293	91918	AA	TT	1940484194
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SNP_P1_223877_92476	NW_004516535.1	Scaffold1293	92476	GG	AA	1940484196
SNP_P1_223878_945	NW_004516536.1	Scaffold1294	945	AA	CC	1940484197
SNP_P1_223879_26808	NW_004516536.1	Scaffold1294	26808	GG	CC	1940484198
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SNP_P1_223881_28735	NW_004516536.1	Scaffold1294	28735	GG	CC	1940484200
SNP_P1_223882_29230	NW_004516536.1	Scaffold1294	29230	TT	AA	1940484201
SNP_P1_223883_29238	NW_004516536.1	Scaffold1294	29238	GG	AA	1940484202
SNP_P1_223884_29910	NW_004516536.1	Scaffold1294	29910	AA	GG	1940484203
SNP_P1_223886_30011	NW_004516536.1	Scaffold1294	30011	GG	TT	1940484204
SNP_P1_223887_30021	NW_004516536.1	Scaffold1294	30021	AA	TT	1940484205
SNP_P1_223888_30087	NW_004516536.1	Scaffold1294	30087	AA	TT	1940484206
SNP_P1_223889_30221	NW_004516536.1	Scaffold1294	30221	TT	GG	1940484207
SNP_P1_223890_32774	NW_004516536.1	Scaffold1294	32774	TT	CC	1940484208

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223892_32899	NW_004516536.1	Scaffold1294	32899	GG	AA	1940484210
SNP_P1_223893_33349	NW_004516536.1	Scaffold1294	33349	TT	AA	1940484211
SNP_P1_223894_33355	NW_004516536.1	Scaffold1294	33355	TT	CC	1940484212
SNP_P1_223896_34328	NW_004516536.1	Scaffold1294	34328	GG	CC	1940484213
SNP_P1_223897_34350	NW_004516536.1	Scaffold1294	34350	AA	TT	1940484214
SNP_P1_223898_34458	NW_004516536.1	Scaffold1294	34458	TT	CC	1940484215
SNP_P1_223899_34579	NW_004516536.1	Scaffold1294	34579	GG	AA	1940484216
SNP_P1_223900_34902	NW_004516536.1	Scaffold1294	34902	GG	TT	1940484217
SNP_P1_223901_35084	NW_004516536.1	Scaffold1294	35084	TT	GG	1940484218
SNP_P1_223902_2470	NW_004516538.1	Scaffold1301_1	2470	GG	AA	1940484219
SNP_P1_223903_18687	NW_004516538.1	Scaffold1301_1	18687	AA	TT	1940484220
SNP_P1_223904_50872	NW_004516538.1	Scaffold1301_1	50872	TT	GG	1940484221
SNP_P1_223905_75392	NW_004516538.1	Scaffold1301_1	75392	CC	TT	1940484222
SNP_P1_223906_81976	NW_004516538.1	Scaffold1301_1	81976	CC	TT	1940484223
SNP_P1_223907_96577	NW_004516538.1	Scaffold1301_1	96577	CC	TT	1940484224
SNP_P1_223908_101028	NW_004516538.1	Scaffold1301_1	101028	CC	AA	1940484225
SNP_P1_223909_102408	NW_004516538.1	Scaffold1301_1	102408	CC	AA	1940484226
SNP_P1_223912_168297	NW_004516538.1	Scaffold1301_1	168297	TT	CC	1940484227
SNP_P1_223913_168606	NW_004516538.1	Scaffold1301_1	168606	AA	GG	1940484228
SNP_P1_223914_168707	NW_004516538.1	Scaffold1301_1	168707	AA	GG	1940484229
SNP_P1_223917_215492	NW_004516538.1	Scaffold1301_1	215492	CC	TT	1940484230
SNP_P1_223919_245392	NW_004516538.1	Scaffold1301_1	245392	GG	AA	1940484231
SNP_P1_223920_246354	NW_004516538.1	Scaffold1301_1	246354	TT	CC	1940484232
SNP_P1_223921_259975	NW_004516538.1	Scaffold1301_1	259975	GG	AA	1940484233
SNP_P1_223923_283882	NW_004516538.1	Scaffold1301_1	283882	CC	TT	1940484234
SNP_P1_223924_283901	NW_004516538.1	Scaffold1301_1	283901	TT	CC	1940484235
SNP_P1_223925_286720	NW_004516538.1	Scaffold1301_1	286720	CC	TT	1940484236
SNP_P1_223926_286850	NW_004516538.1	Scaffold1301_1	286850	AA	GG	1940484237
SNP_P1_223927_286966	NW_004516538.1	Scaffold1301_1	286966	AA	GG	1940484238
SNP_P1_223928_290781	NW_004516538.1	Scaffold1301_1	290781	GG	AA	1940484239
SNP_P1_223929_290783	NW_004516538.1	Scaffold1301_1	290783	GG	AA	1940484240
SNP_P1_223930_298938	NW_004516538.1	Scaffold1301_1	298938	AA	GG	1940484241
SNP_P1_223931_299022	NW_004516538.1	Scaffold1301_1	299022	CC	TT	1940484242
SNP_P1_223932_299200	NW_004516538.1	Scaffold1301_1	299200	AA	GG	1940484243
SNP_P1_223933_299359	NW_004516538.1	Scaffold1301_1	299359	AA	GG	1940484244
SNP_P1_223934_299371	NW_004516538.1	Scaffold1301_1	299371	TT	CC	1940484245
SNP_P1_223935_299412	NW_004516538.1	Scaffold1301_1	299412	AA	GG	1940484246
SNP_P1_223936_299504	NW_004516538.1	Scaffold1301_1	299504	GG	AA	1940484247
SNP_P1_223937_299540	NW_004516538.1	Scaffold1301_1	299540	GG	AA	1940484248
SNP_P1_223938_299542	NW_004516538.1	Scaffold1301_1	299542	TT	GG	1940484249
SNP_P1_223939_299561	NW_004516538.1	Scaffold1301_1	299561	TT	CC	1940484250

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223943_1920	NW_004516539.1	Scaffold1302	1920	TT	GG	1940484252
SNP_P1_223944_2228	NW_004516539.1	Scaffold1302	2228	AA	GG	1940484253
SNP_P1_223945_15392	NW_004516539.1	Scaffold1302	15392	CC	TT	1940484254
SNP_P1_223946_15399	NW_004516539.1	Scaffold1302	15399	GG	AA	1940484255
SNP_P1_223947_26386	NW_004516539.1	Scaffold1302	26386	CC	TT	1940484256
SNP_P1_223948_5937	NW_004516540.1	Scaffold1303	5937	CC	TT	1940484257
SNP_P1_223949_6082	NW_004516540.1	Scaffold1303	6082	TT	AA	1940484259
SNP_P1_223950_360	NW_004516541.1	Scaffold1304	360	AA	CC	1940484260
SNP_P1_223951_5851	NW_004516543.1	Scaffold1307	5851	CC	AA	1940484261
SNP_P1_223953_10141	NW_004516543.1	Scaffold1307	10141	TT	AA	1940484262
SNP_P1_223954_10142	NW_004516543.1	Scaffold1307	10142	AA	TT	1940484263
SNP_P1_223955_10430	NW_004516543.1	Scaffold1307	10430	GG	AA	1940484264
SNP_P1_223956_10533	NW_004516543.1	Scaffold1307	10533	AA	GG	1940484265
SNP_P1_223957_20487	NW_004516543.1	Scaffold1307	20487	TT	CC	1940484266
SNP_P1_223958_21295	NW_004516543.1	Scaffold1307	21295	GG	CC	1940484267
SNP_P1_223959_21301	NW_004516543.1	Scaffold1307	21301	GG	AA	1940484268
SNP_P1_223960_21903	NW_004516543.1	Scaffold1307	21903	AA	GG	1940484269
SNP_P1_223961_24024	NW_004516543.1	Scaffold1307	24024	TT	GG	1940484270
SNP_P1_223962_24077	NW_004516543.1	Scaffold1307	24077	CC	AA	1940484271
SNP_P1_223964_31631	NW_004516543.1	Scaffold1307	31631	AA	GG	1940484272
SNP_P1_223965_31701	NW_004516543.1	Scaffold1307	31701	AA	GG	1940484273
SNP_P1_223966_31703	NW_004516543.1	Scaffold1307	31703	TT	AA	1940484274
SNP_P1_223967_36079	NW_004516543.1	Scaffold1307	36079	TT	CC	1940484275
SNP_P1_223968_36162	NW_004516543.1	Scaffold1307	36162	AA	TT	1940484276
SNP_P1_223969_36188	NW_004516543.1	Scaffold1307	36188	AA	CC	1940484277
SNP_P1_223970_36211	NW_004516543.1	Scaffold1307	36211	GG	TT	1940484278
SNP_P1_223971_36348	NW_004516543.1	Scaffold1307	36348	AA	TT	1940484279
SNP_P1_223972_36518	NW_004516543.1	Scaffold1307	36518	CC	TT	1940484280
SNP_P1_223973_37690	NW_004516543.1	Scaffold1307	37690	TT	AA	1940484281
SNP_P1_223974_37699	NW_004516543.1	Scaffold1307	37699	TT	CC	1940484282
SNP_P1_223975_37741	NW_004516543.1	Scaffold1307	37741	TT	AA	1940484283
SNP_P1_223976_38031	NW_004516543.1	Scaffold1307	38031	CC	TT	1940484284
SNP_P1_223977_38071	NW_004516543.1	Scaffold1307	38071	CC	TT	1940484285
SNP_P1_223978_39634	NW_004516543.1	Scaffold1307	39634	CC	TT	1940484286
SNP_P1_223979_39757	NW_004516543.1	Scaffold1307	39757	CC	AA	1940484287
SNP_P1_223980_44357	NW_004516543.1	Scaffold1307	44357	TT	CC	1940484288
SNP_P1_223981_44555	NW_004516543.1	Scaffold1307	44555	CC	TT	1940484289
SNP_P1_223982_44556	NW_004516543.1	Scaffold1307	44556	TT	CC	1940484290
SNP_P1_223983_44575	NW_004516543.1	Scaffold1307	44575	GG	AA	1940484291
SNP_P1_223984_2651	NW_004516544.1	Scaffold1308	2651	TT	AA	1940484292
SNP_P1_223985_3398	NW_004516544.1	Scaffold1308	3398	AA	TT	1940484293

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_223988_8278	NW_004516544.1	Scaffold1308	8278	CC	TT	1940484296
SNP_P1_223989_8949	NW_004516544.1	Scaffold1308	8949	CC	TT	1940484297
SNP_P1_223990_8950	NW_004516544.1	Scaffold1308	8950	AA	TT	1940484298
SNP_P1_223991_8973	NW_004516544.1	Scaffold1308	8973	TT	CC	1940484299
SNP_P1_223992_9033	NW_004516544.1	Scaffold1308	9033	TT	AA	1940484300
SNP_P1_223993_9667	NW_004516544.1	Scaffold1308	9667	TT	CC	1940484301
SNP_P1_223994_9832	NW_004516544.1	Scaffold1308	9832	TT	CC	1940484302
SNP_P1_223995_9833	NW_004516544.1	Scaffold1308	9833	GG	AA	1940484303
SNP_P1_223996_9834	NW_004516544.1	Scaffold1308	9834	AA	CC	1940484304
SNP_P1_223997_9837	NW_004516544.1	Scaffold1308	9837	TT	CC	1940484305
SNP_P1_223998_10320	NW_004516544.1	Scaffold1308	10320	TT	CC	1940484306
SNP_P1_223999_10332	NW_004516544.1	Scaffold1308	10332	TT	CC	1940484307
SNP_P1_224000_10333	NW_004516544.1	Scaffold1308	10333	GG	AA	1940484308
SNP_P1_224001_10350	NW_004516544.1	Scaffold1308	10350	CC	AA	1940484309
SNP_P1_224002_11540	NW_004516544.1	Scaffold1308	11540	AA	TT	1940484310
SNP_P1_224004_12023	NW_004516544.1	Scaffold1308	12023	CC	GG	1940484311
SNP_P1_224005_12031	NW_004516544.1	Scaffold1308	12031	AA	TT	1940484312
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SNP_P1_224008_12669	NW_004516544.1	Scaffold1308	12669	CC	AA	1940484314
SNP_P1_224009_12671	NW_004516544.1	Scaffold1308	12671	GG	AA	1940484315
SNP_P1_224010_14254	NW_004516544.1	Scaffold1308	14254	CC	AA	1940484316
SNP_P1_224012_14759	NW_004516544.1	Scaffold1308	14759	TT	AA	1940484317
SNP_P1_224013_14760	NW_004516544.1	Scaffold1308	14760	AA	GG	1940484318
SNP_P1_224014_15572	NW_004516544.1	Scaffold1308	15572	CC	AA	1940484319
SNP_P1_224015_15615	NW_004516544.1	Scaffold1308	15615	CC	TT	1940484320
SNP_P1_224017_21694	NW_004516544.1	Scaffold1308	21694	CC	TT	1940484321
SNP_P1_224018_22068	NW_004516544.1	Scaffold1308	22068	AA	GG	1940484322
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SNP_P1_224020_24216	NW_004516544.1	Scaffold1308	24216	TT	CC	1940484324
SNP_P1_224021_24246	NW_004516544.1	Scaffold1308	24246	GG	AA	1940484325
SNP_P1_224022_24272	NW_004516544.1	Scaffold1308	24272	GG	AA	1940484326
SNP_P1_224023_24273	NW_004516544.1	Scaffold1308	24273	TT	CC	1940484327
SNP_P1_224024_24302	NW_004516544.1	Scaffold1308	24302	CC	GG	1940484328
SNP_P1_224025_24555	NW_004516544.1	Scaffold1308	24555	CC	AA	1940484329
SNP_P1_224026_24559	NW_004516544.1	Scaffold1308	24559	GG	TT	1940484330
SNP_P1_224027_24592	NW_004516544.1	Scaffold1308	24592	CC	TT	1940484331
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SNP_P1_224029_28547	NW_004516544.1	Scaffold1308	28547	CC	TT	1940484333
SNP_P1_224030_34480	NW_004516544.1	Scaffold1308	34480	CC	AA	1940484334
SNP_P1_224031_34570	NW_004516544.1	Scaffold1308	34570	CC	GG	1940484335

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224034_39977	NW_004516544.1	Scaffold1308	39977	TT	CC	1940484338
SNP_P1_224035_42160	NW_004516544.1	Scaffold1308	42160	AA	GG	1940484339
SNP_P1_224036_43282	NW_004516544.1	Scaffold1308	43282	GG	CC	1940484340
SNP_P1_224037_43840	NW_004516544.1	Scaffold1308	43840	GG	AA	1940484341
SNP_P1_224038_43931	NW_004516544.1	Scaffold1308	43931	AA	GG	1940484342
SNP_P1_224039_43936	NW_004516544.1	Scaffold1308	43936	TT	GG	1940484343
SNP_P1_224040_45077	NW_004516544.1	Scaffold1308	45077	TT	CC	1940484344
SNP_P1_224042_55563	NW_004516544.1	Scaffold1308	55563	AA	GG	1940484345
SNP_P1_224043_55580	NW_004516544.1	Scaffold1308	55580	CC	TT	1940484346
SNP_P1_224044_55582	NW_004516544.1	Scaffold1308	55582	GG	TT	1940484347
SNP_P1_224045_55932	NW_004516544.1	Scaffold1308	55932	GG	TT	1940484348
SNP_P1_224046_55963	NW_004516544.1	Scaffold1308	55963	TT	GG	1940484349
SNP_P1_224047_55966	NW_004516544.1	Scaffold1308	55966	CC	TT	1940484350
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SNP_P1_224051_55984	NW_004516544.1	Scaffold1308	55984	GG	CC	1940484354
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SNP_P1_224059_58924	NW_004516544.1	Scaffold1308	58924	CC	AA	1940484362
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SNP_P1_224065_65759	NW_004516544.1	Scaffold1308	65759	AA	GG	1940484368
SNP_P1_224066_65820	NW_004516544.1	Scaffold1308	65820	CC	AA	1940484369
SNP_P1_224067_65850	NW_004516544.1	Scaffold1308	65850	AA	GG	1940484370
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SNP_P1_224069_78366	NW_004516544.1	Scaffold1308	78366	AA	GG	1940484372
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SNP_P1_224071_78495	NW_004516544.1	Scaffold1308	78495	GG	TT	1940484374
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SNP_P1_224075_80089	NW_004516544.1	Scaffold1308	80089	CC	GG	1940484377

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224078_87146	NW_004516544.1	Scaffold1308	87146	AA	CC	1940484380
SNP_P1_224079_87170	NW_004516544.1	Scaffold1308	87170	TT	CC	1940484381
SNP_P1_224080_87191	NW_004516544.1	Scaffold1308	87191	GG	AA	1940484382
SNP_P1_224081_87209	NW_004516544.1	Scaffold1308	87209	TT	CC	1940484383
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SNP_P1_224083_87248	NW_004516544.1	Scaffold1308	87248	GG	AA	1940484385
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SNP_P1_224086_87649	NW_004516544.1	Scaffold1308	87649	CC	GG	1940484388
SNP_P1_224087_87763	NW_004516544.1	Scaffold1308	87763	TT	CC	1940484389
SNP_P1_224088_87795	NW_004516544.1	Scaffold1308	87795	AA	CC	1940484390
SNP_P1_224089_87806	NW_004516544.1	Scaffold1308	87806	AA	CC	1940484391
SNP_P1_224090_89188	NW_004516544.1	Scaffold1308	89188	CC	AA	1940484392
SNP_P1_224091_89205	NW_004516544.1	Scaffold1308	89205	AA	TT	1940484393
SNP_P1_224092_89206	NW_004516544.1	Scaffold1308	89206	AA	GG	1940484394
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SNP_P1_224094_89232	NW_004516544.1	Scaffold1308	89232	TT	CC	1940484396
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SNP_P1_224101_94807	NW_004516544.1	Scaffold1308	94807	GG	CC	1940484403
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SNP_P1_224109_97120	NW_004516544.1	Scaffold1308	97120	GG	AA	1940484411
SNP_P1_224110_97151	NW_004516544.1	Scaffold1308	97151	TT	CC	1940484412
SNP_P1_224111_97178	NW_004516544.1	Scaffold1308	97178	CC	GG	1940484413
SNP_P1_224112_97675	NW_004516544.1	Scaffold1308	97675	TT	AA	1940484414
SNP_P1_224113_97897	NW_004516544.1	Scaffold1308	97897	TT	GG	1940484415
SNP_P1_224114_98002	NW_004516544.1	Scaffold1308	98002	CC	GG	1940484416
SNP_P1_224115_98007	NW_004516544.1	Scaffold1308	98007	TT	AA	1940484417
SNP_P1_224116_98086	NW_004516544.1	Scaffold1308	98086	CC	TT	1940484418
SNP_P1_224117_98098	NW_004516544.1	Scaffold1308	98098	CC	AA	1940484419

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224120_98870	NW_004516544.1	Scaffold1308	98870	TT	CC	1940484422
SNP_P1_224121_98875	NW_004516544.1	Scaffold1308	98875	GG	AA	1940484423
SNP_P1_224122_22169	NW_004516545.1	Scaffold1309	22169	TT	GG	1940484424
SNP_P1_224123_26542	NW_004516545.1	Scaffold1309	26542	CC	TT	1940484425
SNP_P1_224124_26763	NW_004516545.1	Scaffold1309	26763	CC	TT	1940484426
SNP_P1_224125_26766	NW_004516545.1	Scaffold1309	26766	CC	AA	1940484427
SNP_P1_224126_26942	NW_004516545.1	Scaffold1309	26942	CC	TT	1940484428
SNP_P1_224127_29799	NW_004516545.1	Scaffold1309	29799	TT	AA	1940484429
SNP_P1_224128_30046	NW_004516545.1	Scaffold1309	30046	TT	GG	1940484430
SNP_P1_224129_30050	NW_004516545.1	Scaffold1309	30050	CC	AA	1940484431
SNP_P1_224130_30051	NW_004516545.1	Scaffold1309	30051	TT	GG	1940484432
SNP_P1_224131_30053	NW_004516545.1	Scaffold1309	30053	GG	TT	1940484433
SNP_P1_224132_30164	NW_004516545.1	Scaffold1309	30164	CC	AA	1940484434
SNP_P1_224133_30250	NW_004516545.1	Scaffold1309	30250	TT	CC	1940484435
SNP_P1_224134_30261	NW_004516545.1	Scaffold1309	30261	AA	GG	1940484436
SNP_P1_224135_30300	NW_004516545.1	Scaffold1309	30300	TT	CC	1940484437
SNP_P1_224136_30330	NW_004516545.1	Scaffold1309	30330	AA	GG	1940484438
SNP_P1_224137_36114	NW_004516545.1	Scaffold1309	36114	TT	CC	1940484439
SNP_P1_224139_36274	NW_004516545.1	Scaffold1309	36274	TT	AA	1940484440
SNP_P1_224140_36298	NW_004516545.1	Scaffold1309	36298	AA	GG	1940484441
SNP_P1_224141_36339	NW_004516545.1	Scaffold1309	36339	AA	TT	1940484442
SNP_P1_224142_36373	NW_004516545.1	Scaffold1309	36373	TT	AA	1940484443
SNP_P1_224143_36390	NW_004516545.1	Scaffold1309	36390	AA	GG	1940484444
SNP_P1_224144_36732	NW_004516545.1	Scaffold1309	36732	TT	CC	1940484445
SNP_P1_224145_36740	NW_004516545.1	Scaffold1309	36740	TT	GG	1940484446
SNP_P1_224146_36746	NW_004516545.1	Scaffold1309	36746	GG	AA	1940484447
SNP_P1_224147_39371	NW_004516545.1	Scaffold1309	39371	AA	TT	1940484448
SNP_P1_224148_39692	NW_004516545.1	Scaffold1309	39692	TT	GG	1940484449
SNP_P1_224149_40127	NW_004516545.1	Scaffold1309	40127	AA	CC	1940484450
SNP_P1_224150_46951	NW_004516545.1	Scaffold1309	46951	GG	AA	1940484451
SNP_P1_224151_48917	NW_004516545.1	Scaffold1309	48917	CC	TT	1940484452
SNP_P1_224152_49425	NW_004516545.1	Scaffold1309	49425	TT	CC	1940484453
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SNP_P1_224156_50660	NW_004516545.1	Scaffold1309	50660	CC	GG	1940484456
SNP_P1_224157_50888	NW_004516545.1	Scaffold1309	50888	GG	TT	1940484457
SNP_P1_224158_51035	NW_004516545.1	Scaffold1309	51035	CC	TT	1940484458
SNP_P1_224159_51177	NW_004516545.1	Scaffold1309	51177	GG	AA	1940484459
SNP_P1_224160_56616	NW_004516545.1	Scaffold1309	56616	CC	TT	1940484460
SNP_P1_224161_57218	NW_004516545.1	Scaffold1309	57218	CC	GG	1940484461
SNP_P1_224162_57248	NW_004516545.1	Scaffold1309	57248	AA	GG	1940484462

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224165_57534	NW_004516545.1	Scaffold1309	57534	AA	GG	1940484465
SNP_P1_224166_57535	NW_004516545.1	Scaffold1309	57535	TT	GG	1940484466
SNP_P1_224167_57546	NW_004516545.1	Scaffold1309	57546	AA	CC	1940484467
SNP_P1_224168_57635	NW_004516545.1	Scaffold1309	57635	AA	TT	1940484468
SNP_P1_224169_58063	NW_004516545.1	Scaffold1309	58063	CC	TT	1940484469
SNP_P1_224172_66084	NW_004516545.1	Scaffold1309	66084	TT	CC	1940484470
SNP_P1_224174_88860	NW_004516545.1	Scaffold1309	88860	TT	AA	1940484471
SNP_P1_224175_89142	NW_004516545.1	Scaffold1309	89142	TT	CC	1940484472
SNP_P1_224176_89154	NW_004516545.1	Scaffold1309	89154	AA	GG	1940484473
SNP_P1_224177_89427	NW_004516545.1	Scaffold1309	89427	CC	AA	1940484474
SNP_P1_224178_89808	NW_004516545.1	Scaffold1309	89808	AA	GG	1940484475
SNP_P1_224179_90176	NW_004516545.1	Scaffold1309	90176	TT	CC	1940484476
SNP_P1_224180_90254	NW_004516545.1	Scaffold1309	90254	GG	AA	1940484477
SNP_P1_224181_90637	NW_004516545.1	Scaffold1309	90637	GG	TT	1940484478
SNP_P1_224182_94677	NW_004516545.1	Scaffold1309	94677	GG	AA	1940484479
SNP_P1_224183_94698	NW_004516545.1	Scaffold1309	94698	TT	CC	1940484480
SNP_P1_224184_2169	NW_004516547.1	Scaffold1312	2169	CC	AA	1940484481
SNP_P1_224185_3699	NW_004516547.1	Scaffold1312	3699	GG	TT	1940484482
SNP_P1_224186_3703	NW_004516547.1	Scaffold1312	3703	TT	AA	1940484483
SNP_P1_224187_3705	NW_004516547.1	Scaffold1312	3705	CC	TT	1940484484
SNP_P1_224188_3709	NW_004516547.1	Scaffold1312	3709	AA	TT	1940484485
SNP_P1_224189_3714	NW_004516547.1	Scaffold1312	3714	AA	TT	1940484486
SNP_P1_224190_3766	NW_004516547.1	Scaffold1312	3766	TT	CC	1940484487
SNP_P1_224192_4144	NW_004516547.1	Scaffold1312	4144	AA	TT	1940484488
SNP_P1_224193_6111	NW_004516547.1	Scaffold1312	6111	CC	TT	1940484489
SNP_P1_224195_52707	NW_004516547.1	Scaffold1312	52707	TT	GG	1940484490
SNP_P1_224196_58766	NW_004516547.1	Scaffold1312	58766	TT	AA	1940484491
SNP_P1_224197_59447	NW_004516547.1	Scaffold1312	59447	GG	TT	1940484492
SNP_P1_224198_61069	NW_004516547.1	Scaffold1312	61069	AA	CC	1940484493
SNP_P1_224200_62692	NW_004516547.1	Scaffold1312	62692	TT	CC	1940484494
SNP_P1_224201_62703	NW_004516547.1	Scaffold1312	62703	TT	GG	1940484495
SNP_P1_224202_62775	NW_004516547.1	Scaffold1312	62775	TT	AA	1940484496
SNP_P1_224203_64264	NW_004516547.1	Scaffold1312	64264	AA	TT	1940484497
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SNP_P1_224205_64523	NW_004516547.1	Scaffold1312	64523	CC	AA	1940484499
SNP_P1_224206_64919	NW_004516547.1	Scaffold1312	64919	TT	GG	1940484500
SNP_P1_224207_64994	NW_004516547.1	Scaffold1312	64994	CC	GG	1940484501
SNP_P1_224208_64995	NW_004516547.1	Scaffold1312	64995	GG	CC	1940484502
SNP_P1_224209_65136	NW_004516547.1	Scaffold1312	65136	GG	AA	1940484503
SNP_P1_224210_65599	NW_004516547.1	Scaffold1312	65599	TT	CC	1940484504

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224214_66606	NW_004516547.1	Scaffold1312	66606	AA	GG	1940484507
SNP_P1_224215_67040	NW_004516547.1	Scaffold1312	67040	CC	TT	1940484508
SNP_P1_224216_67119	NW_004516547.1	Scaffold1312	67119	AA	CC	1940484509
SNP_P1_224217_68527	NW_004516547.1	Scaffold1312	68527	GG	AA	1940484510
SNP_P1_224218_69466	NW_004516547.1	Scaffold1312	69466	GG	CC	1940484511
SNP_P1_224219_69913	NW_004516547.1	Scaffold1312	69913	TT	CC	1940484512
SNP_P1_224221_71664	NW_004516547.1	Scaffold1312	71664	AA	GG	1940484513
SNP_P1_224222_71672	NW_004516547.1	Scaffold1312	71672	AA	TT	1940484514
SNP_P1_224223_71707	NW_004516547.1	Scaffold1312	71707	TT	CC	1940484515
SNP_P1_224224_72077	NW_004516547.1	Scaffold1312	72077	CC	TT	1940484516
SNP_P1_224225_72289	NW_004516547.1	Scaffold1312	72289	AA	GG	1940484517
SNP_P1_224226_72293	NW_004516547.1	Scaffold1312	72293	CC	GG	1940484518
SNP_P1_224227_73979	NW_004516547.1	Scaffold1312	73979	AA	CC	1940484519
SNP_P1_224228_74961	NW_004516547.1	Scaffold1312	74961	GG	AA	1940484520
SNP_P1_224229_75105	NW_004516547.1	Scaffold1312	75105	AA	GG	1940484521
SNP_P1_224230_75340	NW_004516547.1	Scaffold1312	75340	GG	AA	1940484522
SNP_P1_224231_75346	NW_004516547.1	Scaffold1312	75346	AA	GG	1940484523
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SNP_P1_224235_76269	NW_004516547.1	Scaffold1312	76269	TT	CC	1940484527
SNP_P1_224236_76281	NW_004516547.1	Scaffold1312	76281	GG	AA	1940484528
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SNP_P1_224249_79124	NW_004516547.1	Scaffold1312	79124	TT	CC	1940484536
SNP_P1_224250_79155	NW_004516547.1	Scaffold1312	79155	CC	TT	1940484537
SNP_P1_224251_79226	NW_004516547.1	Scaffold1312	79226	AA	TT	1940484538
SNP_P1_224252_79260	NW_004516547.1	Scaffold1312	79260	TT	CC	1940484539
SNP_P1_224253_79280	NW_004516547.1	Scaffold1312	79280	GG	TT	1940484540
SNP_P1_224254_79493	NW_004516547.1	Scaffold1312	79493	TT	CC	1940484541
SNP_P1_224255_79666	NW_004516547.1	Scaffold1312	79666	GG	AA	1940484542
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SNP_P1_224257_79698	NW_004516547.1	Scaffold1312	79698	CC	AA	1940484544
SNP_P1_224258_79733	NW_004516547.1	Scaffold1312	79733	CC	AA	1940484545
SNP_P1_224259_79764	NW_004516547.1	Scaffold1312	79764	CC	TT	1940484546

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224262_79901	NW_004516547.1	Scaffold1312	79901	CC	TT	1940484549
SNP_P1_224263_79959	NW_004516547.1	Scaffold1312	79959	TT	CC	1940484550
SNP_P1_224264_80007	NW_004516547.1	Scaffold1312	80007	CC	TT	1940484551
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SNP_P1_224267_80079	NW_004516547.1	Scaffold1312	80079	TT	AA	1940484553
SNP_P1_224268_80259	NW_004516547.1	Scaffold1312	80259	CC	AA	1940484554
SNP_P1_224269_80287	NW_004516547.1	Scaffold1312	80287	AA	CC	1940484555
SNP_P1_224270_80350	NW_004516547.1	Scaffold1312	80350	CC	TT	1940484556
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SNP_P1_224272_80394	NW_004516547.1	Scaffold1312	80394	GG	AA	1940484558
SNP_P1_224273_80499	NW_004516547.1	Scaffold1312	80499	AA	TT	1940484559
SNP_P1_224275_80593	NW_004516547.1	Scaffold1312	80593	GG	AA	1940484560
SNP_P1_224276_80716	NW_004516547.1	Scaffold1312	80716	AA	GG	1940484561
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SNP_P1_224305_82627	NW_004516547.1	Scaffold1312	82627	CC	TT	1940484589

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224308_82845	NW_004516547.1	Scaffold1312	82845	GG	AA	1940484592
SNP_P1_224309_82959	NW_004516547.1	Scaffold1312	82959	CC	AA	1940484593
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SNP_P1_224311_83177	NW_004516547.1	Scaffold1312	83177	GG	AA	1940484595
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SNP_P1_224316_83376	NW_004516547.1	Scaffold1312	83376	CC	GG	1940484599
SNP_P1_224317_83429	NW_004516547.1	Scaffold1312	83429	CC	GG	1940484600
SNP_P1_224318_83443	NW_004516547.1	Scaffold1312	83443	CC	TT	1940484601
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SNP_P1_224321_83463	NW_004516547.1	Scaffold1312	83463	CC	TT	1940484604
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SNP_P1_224331_86383	NW_004516547.1	Scaffold1312	86383	GG	AA	1940484614
SNP_P1_224332_86432	NW_004516547.1	Scaffold1312	86432	AA	GG	1940484615
SNP_P1_224333_86525	NW_004516547.1	Scaffold1312	86525	AA	GG	1940484616
SNP_P1_224334_86738	NW_004516547.1	Scaffold1312	86738	AA	TT	1940484617
SNP_P1_224335_86772	NW_004516547.1	Scaffold1312	86772	GG	CC	1940484618
SNP_P1_224337_86834	NW_004516547.1	Scaffold1312	86834	CC	TT	1940484619
SNP_P1_224338_86843	NW_004516547.1	Scaffold1312	86843	GG	AA	1940484620
SNP_P1_224339_86974	NW_004516547.1	Scaffold1312	86974	GG	TT	1940484621
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SNP_P1_224343_87216	NW_004516547.1	Scaffold1312	87216	TT	CC	1940484625
SNP_P1_224344_87401	NW_004516547.1	Scaffold1312	87401	TT	AA	1940484626
SNP_P1_224345_87420	NW_004516547.1	Scaffold1312	87420	TT	CC	1940484627
SNP_P1_224346_87451	NW_004516547.1	Scaffold1312	87451	AA	GG	1940484628
SNP_P1_224347_87477	NW_004516547.1	Scaffold1312	87477	CC	TT	1940484629
SNP_P1_224348_87550	NW_004516547.1	Scaffold1312	87550	TT	AA	1940484630
SNP_P1_224349_87645	NW_004516547.1	Scaffold1312	87645	GG	AA	1940484631

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224351_87752	NW_004516547.1	Scaffold1312	87752	GG	CC	1940484633
SNP_P1_224352_87797	NW_004516547.1	Scaffold1312	87797	GG	TT	1940484634
SNP_P1_224353_87807	NW_004516547.1	Scaffold1312	87807	AA	GG	1940484635
SNP_P1_224354_87815	NW_004516547.1	Scaffold1312	87815	GG	AA	1940484636
SNP_P1_224355_87845	NW_004516547.1	Scaffold1312	87845	GG	TT	1940484637
SNP_P1_224356_87935	NW_004516547.1	Scaffold1312	87935	CC	TT	1940484638
SNP_P1_224357_87953	NW_004516547.1	Scaffold1312	87953	CC	AA	1940484639
SNP_P1_224358_88101	NW_004516547.1	Scaffold1312	88101	CC	GG	1940484640
SNP_P1_224359_88605	NW_004516547.1	Scaffold1312	88605	GG	AA	1940484641
SNP_P1_224361_88763	NW_004516547.1	Scaffold1312	88763	CC	TT	1940484642
SNP_P1_224362_88778	NW_004516547.1	Scaffold1312	88778	GG	TT	1940484643
SNP_P1_224363_88809	NW_004516547.1	Scaffold1312	88809	GG	TT	1940484644
SNP_P1_224364_88931	NW_004516547.1	Scaffold1312	88931	TT	AA	1940484645
SNP_P1_224365_88944	NW_004516547.1	Scaffold1312	88944	CC	TT	1940484646
SNP_P1_224366_89201	NW_004516547.1	Scaffold1312	89201	AA	CC	1940484647
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SNP_P1_224368_89728	NW_004516547.1	Scaffold1312	89728	GG	TT	1940484649
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SNP_P1_224373_92868	NW_004516547.1	Scaffold1312	92868	TT	CC	1940484653
SNP_P1_224374_94554	NW_004516547.1	Scaffold1312	94554	GG	TT	1940484654
SNP_P1_224375_95744	NW_004516547.1	Scaffold1312	95744	AA	GG	1940484655
SNP_P1_224376_95843	NW_004516547.1	Scaffold1312	95843	CC	TT	1940484656
SNP_P1_224377_95881	NW_004516547.1	Scaffold1312	95881	GG	TT	1940484657
SNP_P1_224378_95909	NW_004516547.1	Scaffold1312	95909	GG	CC	1940484658
SNP_P1_224379_95925	NW_004516547.1	Scaffold1312	95925	TT	AA	1940484659
SNP_P1_224380_95989	NW_004516547.1	Scaffold1312	95989	AA	GG	1940484660
SNP_P1_224381_96288	NW_004516547.1	Scaffold1312	96288	TT	AA	1940484661
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SNP_P1_224387_1382	NW_004516548.1	Scaffold1313	1382	AA	GG	1940484667
SNP_P1_224388_1402	NW_004516548.1	Scaffold1313	1402	TT	CC	1940484668
SNP_P1_224389_1774	NW_004516548.1	Scaffold1313	1774	AA	GG	1940484669
SNP_P1_224390_1792	NW_004516548.1	Scaffold1313	1792	AA	TT	1940484670
SNP_P1_224391_1851	NW_004516548.1	Scaffold1313	1851	TT	AA	1940484671
SNP_P1_224392_34641	NW_004516548.1	Scaffold1313	34641	CC	AA	1940484672
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224396_53521	NW_004516548.1	Scaffold1313	53521	TT	AA	1940484676
SNP_P1_224397_53524	NW_004516548.1	Scaffold1313	53524	GG	AA	1940484677
SNP_P1_224398_53627	NW_004516548.1	Scaffold1313	53627	GG	AA	1940484678
SNP_P1_224399_54179	NW_004516548.1	Scaffold1313	54179	CC	TT	1940484679
SNP_P1_224401_57711	NW_004516548.1	Scaffold1313	57711	AA	GG	1940484680
SNP_P1_224402_59187	NW_004516548.1	Scaffold1313	59187	TT	AA	1940484681
SNP_P1_224403_72178	NW_004516548.1	Scaffold1313	72178	GG	AA	1940484682
SNP_P1_224404_76970	NW_004516548.1	Scaffold1313	76970	AA	TT	1940484683
SNP_P1_224406_102564	NW_004516548.1	Scaffold1313	102564	AA	GG	1940484684
SNP_P1_224407_103240	NW_004516548.1	Scaffold1313	103240	TT	CC	1940484685
SNP_P1_224408_103447	NW_004516548.1	Scaffold1313	103447	CC	AA	1940484686
SNP_P1_224409_103457	NW_004516548.1	Scaffold1313	103457	CC	TT	1940484687
SNP_P1_224410_103650	NW_004516548.1	Scaffold1313	103650	TT	AA	1940484688
SNP_P1_224411_103720	NW_004516548.1	Scaffold1313	103720	AA	GG	1940484689
SNP_P1_224412_103785	NW_004516548.1	Scaffold1313	103785	CC	TT	1940484690
SNP_P1_224413_108322	NW_004516548.1	Scaffold1313	108322	CC	TT	1940484691
SNP_P1_224414_117786	NW_004516548.1	Scaffold1313	117786	CC	GG	1940484692
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SNP_P1_224419_117860	NW_004516548.1	Scaffold1313	117860	CC	TT	1940484697
SNP_P1_224420_117870	NW_004516548.1	Scaffold1313	117870	AA	GG	1940484698
SNP_P1_224421_117884	NW_004516548.1	Scaffold1313	117884	AA	GG	1940484699
SNP_P1_224422_117934	NW_004516548.1	Scaffold1313	117934	TT	CC	1940484700
SNP_P1_224423_117941	NW_004516548.1	Scaffold1313	117941	AA	GG	1940484701
SNP_P1_224424_117968	NW_004516548.1	Scaffold1313	117968	CC	TT	1940484702
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SNP_P1_224429_120376	NW_004516548.1	Scaffold1313	120376	AA	GG	1940484707
SNP_P1_224430_120384	NW_004516548.1	Scaffold1313	120384	TT	AA	1940484708
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SNP_P1_224434_120658	NW_004516548.1	Scaffold1313	120658	GG	AA	1940484712
SNP_P1_224435_120689	NW_004516548.1	Scaffold1313	120689	TT	CC	1940484713
SNP_P1_224436_120716	NW_004516548.1	Scaffold1313	120716	AA	CC	1940484714
SNP_P1_224437_120777	NW_004516548.1	Scaffold1313	120777	CC	AA	1940484715

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224440_131857	NW_004516548.1	Scaffold1313	131857	GG	AA	1940484718
SNP_P1_224441_132240	NW_004516548.1	Scaffold1313	132240	CC	TT	1940484719
SNP_P1_224442_132461	NW_004516548.1	Scaffold1313	132461	TT	AA	1940484720
SNP_P1_224443_132556	NW_004516548.1	Scaffold1313	132556	AA	CC	1940484721
SNP_P1_224444_132575	NW_004516548.1	Scaffold1313	132575	CC	GG	1940484722
SNP_P1_224445_132791	NW_004516548.1	Scaffold1313	132791	TT	CC	1940484723
SNP_P1_224446_132870	NW_004516548.1	Scaffold1313	132870	AA	TT	1940484724
SNP_P1_224447_132874	NW_004516548.1	Scaffold1313	132874	TT	CC	1940484725
SNP_P1_224448_133023	NW_004516548.1	Scaffold1313	133023	TT	CC	1940484726
SNP_P1_224449_133172	NW_004516548.1	Scaffold1313	133172	TT	CC	1940484728
SNP_P1_224450_133549	NW_004516548.1	Scaffold1313	133549	TT	GG	1940484729
SNP_P1_224451_133556	NW_004516548.1	Scaffold1313	133556	TT	CC	1940484730
SNP_P1_224452_133561	NW_004516548.1	Scaffold1313	133561	GG	CC	1940484731
SNP_P1_224453_133562	NW_004516548.1	Scaffold1313	133562	AA	CC	1940484732
SNP_P1_224454_133599	NW_004516548.1	Scaffold1313	133599	AA	TT	1940484733
SNP_P1_224455_133746	NW_004516548.1	Scaffold1313	133746	TT	CC	1940484734
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SNP_P1_224459_141519	NW_004516548.1	Scaffold1313	141519	AA	CC	1940484738
SNP_P1_224460_141532	NW_004516548.1	Scaffold1313	141532	GG	CC	1940484739
SNP_P1_224461_141785	NW_004516548.1	Scaffold1313	141785	TT	CC	1940484740
SNP_P1_224464_151861	NW_004516548.1	Scaffold1313	151861	GG	CC	1940484741
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SNP_P1_224468_157563	NW_004516548.1	Scaffold1313	157563	TT	CC	1940484743
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SNP_P1_224472_158967	NW_004516548.1	Scaffold1313	158967	AA	TT	1940484747
SNP_P1_224474_165018	NW_004516548.1	Scaffold1313	165018	GG	TT	1940484748
SNP_P1_224475_165273	NW_004516548.1	Scaffold1313	165273	TT	CC	1940484749
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SNP_P1_224477_167246	NW_004516548.1	Scaffold1313	167246	TT	GG	1940484751
SNP_P1_224478_168044	NW_004516548.1	Scaffold1313	168044	TT	GG	1940484752
SNP_P1_224479_168716	NW_004516548.1	Scaffold1313	168716	CC	GG	1940484753
SNP_P1_224480_168790	NW_004516548.1	Scaffold1313	168790	AA	CC	1940484754
SNP_P1_224481_168890	NW_004516548.1	Scaffold1313	168890	TT	CC	1940484755
SNP_P1_224482_168899	NW_004516548.1	Scaffold1313	168899	AA	CC	1940484756
SNP_P1_224483_168928	NW_004516548.1	Scaffold1313	168928	AA	CC	1940484757
SNP_P1_224484_168938	NW_004516548.1	Scaffold1313	168938	GG	TT	1940484758

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224487_168993	NW_004516548.1	Scaffold1313	168993	AA	GG	1940484761
SNP_P1_224488_171482	NW_004516548.1	Scaffold1313	171482	CC	GG	1940484762
SNP_P1_224489_171493	NW_004516548.1	Scaffold1313	171493	GG	AA	1940484763
SNP_P1_224490_177766	NW_004516548.1	Scaffold1313	177766	TT	GG	1940484764
SNP_P1_224492_181818	NW_004516548.1	Scaffold1313	181818	GG	TT	1940484765
SNP_P1_224493_197934	NW_004516548.1	Scaffold1313	197934	TT	CC	1940484766
SNP_P1_224494_200692	NW_004516548.1	Scaffold1313	200692	AA	GG	1940484767
SNP_P1_224495_200719	NW_004516548.1	Scaffold1313	200719	CC	TT	1940484768
SNP_P1_224496_200741	NW_004516548.1	Scaffold1313	200741	AA	GG	1940484769
SNP_P1_224497_201734	NW_004516548.1	Scaffold1313	201734	TT	CC	1940484770
SNP_P1_224498_203188	NW_004516548.1	Scaffold1313	203188	TT	CC	1940484771
SNP_P1_224499_203189	NW_004516548.1	Scaffold1313	203189	GG	AA	1940484772
SNP_P1_224500_203224	NW_004516548.1	Scaffold1313	203224	CC	AA	1940484773
SNP_P1_224501_206082	NW_004516548.1	Scaffold1313	206082	GG	CC	1940484774
SNP_P1_224502_216435	NW_004516548.1	Scaffold1313	216435	GG	TT	1940484775
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SNP_P1_224513_757	NW_004516549.1	Scaffold1314	757	GG	TT	1940484786
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SNP_P1_224515_859	NW_004516549.1	Scaffold1314	859	AA	TT	1940484788
SNP_P1_224516_975	NW_004516549.1	Scaffold1314	975	GG	TT	1940484789
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SNP_P1_224520_14933	NW_004516550.1	Scaffold1315	14933	GG	TT	1940484793
SNP_P1_224521_14936	NW_004516550.1	Scaffold1315	14936	AA	CC	1940484794
SNP_P1_224522_15062	NW_004516550.1	Scaffold1315	15062	CC	AA	1940484795
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SNP_P1_224524_37534	NW_004516550.1	Scaffold1315	37534	CC	AA	1940484797
SNP_P1_224525_37536	NW_004516550.1	Scaffold1315	37536	AA	GG	1940484798
SNP_P1_224526_37593	NW_004516550.1	Scaffold1315	37593	TT	CC	1940484799
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224531_37818	NW_004516550.1	Scaffold1315	37818	AA	GG	1940484804
SNP_P1_224532_37856	NW_004516550.1	Scaffold1315	37856	GG	TT	1940484805
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SNP_P1_224538_64121	NW_004516550.1	Scaffold1315	64121	CC	TT	1940484810
SNP_P1_224539_64194	NW_004516550.1	Scaffold1315	64194	GG	AA	1940484811
SNP_P1_224540_64227	NW_004516550.1	Scaffold1315	64227	GG	AA	1940484812
SNP_P1_224541_64587	NW_004516550.1	Scaffold1315	64587	CC	GG	1940484813
SNP_P1_224542_64623	NW_004516550.1	Scaffold1315	64623	TT	CC	1940484814
SNP_P1_224543_65468	NW_004516550.1	Scaffold1315	65468	AA	CC	1940484815
SNP_P1_224544_65878	NW_004516550.1	Scaffold1315	65878	TT	GG	1940484816
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SNP_P1_224547_93647	NW_004516550.1	Scaffold1315	93647	TT	CC	1940484819
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SNP_P1_224554_108277	NW_004516550.1	Scaffold1315	108277	TT	CC	1940484824
SNP_P1_224555_108952	NW_004516550.1	Scaffold1315	108952	CC	GG	1940484825
SNP_P1_224556_108974	NW_004516550.1	Scaffold1315	108974	TT	CC	1940484826
SNP_P1_224557_109036	NW_004516550.1	Scaffold1315	109036	TT	CC	1940484827
SNP_P1_224559_114979	NW_004516550.1	Scaffold1315	114979	TT	CC	1940484828
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SNP_P1_224572_127137	NW_004516550.1	Scaffold1315	127137	GG	TT	1940484839
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SNP_P1_224574_127678	NW_004516550.1	Scaffold1315	127678	TT	GG	1940484841
SNP_P1_224575_128415	NW_004516550.1	Scaffold1315	128415	TT	GG	1940484842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224578_151243	NW_004516550.1	Scaffold1315	151243	TT	GG	1940484845
SNP_P1_224579_151509	NW_004516550.1	Scaffold1315	151509	GG	CC	1940484846
SNP_P1_224580_151513	NW_004516550.1	Scaffold1315	151513	AA	GG	1940484847
SNP_P1_224581_151521	NW_004516550.1	Scaffold1315	151521	GG	CC	1940484848
SNP_P1_224582_151534	NW_004516550.1	Scaffold1315	151534	GG	AA	1940484849
SNP_P1_224583_151536	NW_004516550.1	Scaffold1315	151536	GG	AA	1940484850
SNP_P1_224584_155023	NW_004516550.1	Scaffold1315	155023	TT	CC	1940484851
SNP_P1_224585_160144	NW_004516550.1	Scaffold1315	160144	CC	TT	1940484852
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SNP_P1_224587_162228	NW_004516550.1	Scaffold1315	162228	GG	AA	1940484854
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SNP_P1_224592_163630	NW_004516550.1	Scaffold1315	163630	TT	CC	1940484859
SNP_P1_224593_163659	NW_004516550.1	Scaffold1315	163659	GG	AA	1940484860
SNP_P1_224594_169265	NW_004516550.1	Scaffold1315	169265	TT	CC	1940484861
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SNP_P1_224596_169354	NW_004516550.1	Scaffold1315	169354	CC	TT	1940484864
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SNP_P1_224600_181303	NW_004516550.1	Scaffold1315	181303	TT	CC	1940484867
SNP_P1_224601_181326	NW_004516550.1	Scaffold1315	181326	AA	GG	1940484868
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SNP_P1_224604_181360	NW_004516550.1	Scaffold1315	181360	CC	TT	1940484870
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SNP_P1_224609_8009	NW_004516551.1	Scaffold1316	8009	CC	TT	1940484874
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SNP_P1_224615_9928	NW_004516551.1	Scaffold1316	9928	AA	GG	1940484880
SNP_P1_224616_9992	NW_004516551.1	Scaffold1316	9992	TT	CC	1940484881
SNP_P1_224617_9995	NW_004516551.1	Scaffold1316	9995	AA	GG	1940484882
SNP_P1_224618_10268	NW_004516551.1	Scaffold1316	10268	AA	TT	1940484883
SNP_P1_224619_10484	NW_004516551.1	Scaffold1316	10484	GG	AA	1940484884
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224623_11969	NW_004516551.1	Scaffold1316	11969	CC	GG	1940484888
SNP_P1_224624_12837	NW_004516551.1	Scaffold1316	12837	CC	GG	1940484889
SNP_P1_224625_12999	NW_004516551.1	Scaffold1316	12999	AA	CC	1940484890
SNP_P1_224627_14713	NW_004516551.1	Scaffold1316	14713	AA	TT	1940484891
SNP_P1_224628_14842	NW_004516551.1	Scaffold1316	14842	AA	GG	1940484892
SNP_P1_224629_873	NW_004516552.1	Scaffold1317	873	CC	AA	1940484893
SNP_P1_224630_1830	NW_004516552.1	Scaffold1317	1830	TT	GG	1940484894
SNP_P1_224632_4405	NW_004516552.1	Scaffold1317	4405	GG	CC	1940484895
SNP_P1_224635_5389	NW_004516552.1	Scaffold1317	5389	TT	CC	1940484896
SNP_P1_224636_5453	NW_004516552.1	Scaffold1317	5453	TT	CC	1940484897
SNP_P1_224637_6683	NW_004516552.1	Scaffold1317	6683	GG	AA	1940484898
SNP_P1_224638_8330	NW_004516552.1	Scaffold1317	8330	CC	AA	1940484899
SNP_P1_224639_10447	NW_004516552.1	Scaffold1317	10447	AA	TT	1940484900
SNP_P1_224640_11928	NW_004516552.1	Scaffold1317	11928	GG	AA	1940484901
SNP_P1_224641_11951	NW_004516552.1	Scaffold1317	11951	AA	GG	1940484902
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SNP_P1_224643_13479	NW_004516552.1	Scaffold1317	13479	TT	CC	1940484904
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SNP_P1_224646_20404	NW_004516552.1	Scaffold1317	20404	AA	GG	1940484907
SNP_P1_224647_20476	NW_004516552.1	Scaffold1317	20476	AA	CC	1940484908
SNP_P1_224649_29978	NW_004516552.1	Scaffold1317	29978	GG	AA	1940484909
SNP_P1_224650_30794	NW_004516552.1	Scaffold1317	30794	CC	TT	1940484910
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SNP_P1_224652_31010	NW_004516552.1	Scaffold1317	31010	GG	AA	1940484912
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SNP_P1_224656_37363	NW_004516552.1	Scaffold1317	37363	CC	TT	1940484916
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SNP_P1_224659_39072	NW_004516552.1	Scaffold1317	39072	CC	TT	1940484919
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SNP_P1_224664_39411	NW_004516552.1	Scaffold1317	39411	AA	TT	1940484924
SNP_P1_224665_39413	NW_004516552.1	Scaffold1317	39413	TT	GG	1940484925
SNP_P1_224666_41161	NW_004516552.1	Scaffold1317	41161	TT	CC	1940484926
SNP_P1_224667_42186	NW_004516552.1	Scaffold1317	42186	CC	TT	1940484927

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224671_43436	NW_004516552.1	Scaffold1317	43436	TT	AA	1940484930
SNP_P1_224673_44305	NW_004516552.1	Scaffold1317	44305	TT	GG	1940484931
SNP_P1_224674_44373	NW_004516552.1	Scaffold1317	44373	AA	GG	1940484932
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SNP_P1_224678_44575	NW_004516552.1	Scaffold1317	44575	GG	AA	1940484936
SNP_P1_224679_44624	NW_004516552.1	Scaffold1317	44624	GG	CC	1940484937
SNP_P1_224680_44668	NW_004516552.1	Scaffold1317	44668	TT	CC	1940484938
SNP_P1_224681_44678	NW_004516552.1	Scaffold1317	44678	AA	GG	1940484939
SNP_P1_224682_44748	NW_004516552.1	Scaffold1317	44748	AA	GG	1940484940
SNP_P1_224683_44778	NW_004516552.1	Scaffold1317	44778	TT	AA	1940484941
SNP_P1_224684_44787	NW_004516552.1	Scaffold1317	44787	AA	GG	1940484942
SNP_P1_224685_44802	NW_004516552.1	Scaffold1317	44802	AA	GG	1940484943
SNP_P1_224686_44832	NW_004516552.1	Scaffold1317	44832	TT	GG	1940484944
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SNP_P1_224690_44952	NW_004516552.1	Scaffold1317	44952	CC	AA	1940484948
SNP_P1_224691_45012	NW_004516552.1	Scaffold1317	45012	CC	TT	1940484949
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SNP_P1_224700_45304	NW_004516552.1	Scaffold1317	45304	AA	GG	1940484957
SNP_P1_224701_45416	NW_004516552.1	Scaffold1317	45416	AA	GG	1940484958
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SNP_P1_224705_46041	NW_004516552.1	Scaffold1317	46041	TT	GG	1940484962
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SNP_P1_224708_46307	NW_004516552.1	Scaffold1317	46307	CC	TT	1940484964
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SNP_P1_224711_46483	NW_004516552.1	Scaffold1317	46483	AA	CC	1940484967
SNP_P1_224712_46489	NW_004516552.1	Scaffold1317	46489	GG	AA	1940484968
SNP_P1_224713_46550	NW_004516552.1	Scaffold1317	46550	GG	TT	1940484969

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224718_46621	NW_004516552.1	Scaffold1317	46621	TT	AA	1940484973
SNP_P1_224719_48366	NW_004516552.1	Scaffold1317	48366	CC	GG	1940484974
SNP_P1_224720_48587	NW_004516552.1	Scaffold1317	48587	TT	GG	1940484975
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SNP_P1_224730_59670	NW_004516552.1	Scaffold1317	59670	CC	TT	1940484983
SNP_P1_224731_59708	NW_004516552.1	Scaffold1317	59708	AA	GG	1940484984
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SNP_P1_224734_59899	NW_004516552.1	Scaffold1317	59899	AA	GG	1940484986
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SNP_P1_224753_63454	NW_004516552.1	Scaffold1317	63454	GG	CC	1940485004
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SNP_P1_224758_63658	NW_004516552.1	Scaffold1317	63658	TT	AA	1940485009
SNP_P1_224760_63720	NW_004516552.1	Scaffold1317	63720	TT	CC	1940485010
SNP_P1_224761_63814	NW_004516552.1	Scaffold1317	63814	AA	CC	1940485011

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224764_63932	NW_004516552.1	Scaffold1317	63932	AA	GG	1940485014
SNP_P1_224765_63942	NW_004516552.1	Scaffold1317	63942	GG	AA	1940485015
SNP_P1_224766_64226	NW_004516552.1	Scaffold1317	64226	GG	AA	1940485016
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SNP_P1_224768_66093	NW_004516552.1	Scaffold1317	66093	AA	GG	1940485018
SNP_P1_224769_66323	NW_004516552.1	Scaffold1317	66323	CC	TT	1940485019
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SNP_P1_224771_66704	NW_004516552.1	Scaffold1317	66704	CC	AA	1940485021
SNP_P1_224772_66713	NW_004516552.1	Scaffold1317	66713	GG	AA	1940485022
SNP_P1_224773_68072	NW_004516552.1	Scaffold1317	68072	GG	CC	1940485023
SNP_P1_224774_68595	NW_004516552.1	Scaffold1317	68595	CC	TT	1940485024
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SNP_P1_224784_12720	NW_004516553.1	Scaffold1319	12720	GG	AA	1940485034
SNP_P1_224785_425	NW_004516554.1	Scaffold1320	425	TT	GG	1940485035
SNP_P1_224786_454	NW_004516554.1	Scaffold1320	454	TT	GG	1940485036
SNP_P1_224787_632	NW_004516554.1	Scaffold1320	632	AA	GG	1940485037
SNP_P1_224788_660	NW_004516554.1	Scaffold1320	660	AA	CC	1940485038
SNP_P1_224789_1029	NW_004516554.1	Scaffold1320	1029	AA	TT	1940485039
SNP_P1_224790_1187	NW_004516554.1	Scaffold1320	1187	AA	GG	1940485040
SNP_P1_224791_3293	NW_004516554.1	Scaffold1320	3293	AA	CC	1940485041
SNP_P1_224792_3294	NW_004516554.1	Scaffold1320	3294	TT	CC	1940485042
SNP_P1_224793_17016	NW_004516554.1	Scaffold1320	17016	TT	AA	1940485043
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SNP_P1_224796_17259	NW_004516554.1	Scaffold1320	17259	GG	AA	1940485046
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SNP_P1_224798_17305	NW_004516554.1	Scaffold1320	17305	AA	TT	1940485048
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SNP_P1_224801_27349	NW_004516554.1	Scaffold1320	27349	GG	TT	1940485051
SNP_P1_224802_27369	NW_004516554.1	Scaffold1320	27369	TT	CC	1940485052
SNP_P1_224803_27370	NW_004516554.1	Scaffold1320	27370	TT	CC	1940485053
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224808_682	NW_004516556.1	Scaffold1322	682	TT	AA	1940485057
SNP_P1_224809_913	NW_004516556.1	Scaffold1322	913	TT	AA	1940485058
SNP_P1_224810_7610	NW_004516556.1	Scaffold1322	7610	TT	CC	1940485059
SNP_P1_224811_8807	NW_004516556.1	Scaffold1322	8807	TT	AA	1940485060
SNP_P1_224812_9113	NW_004516556.1	Scaffold1322	9113	AA	CC	1940485061
SNP_P1_224813_9116	NW_004516556.1	Scaffold1322	9116	GG	AA	1940485062
SNP_P1_224814_9201	NW_004516556.1	Scaffold1322	9201	GG	TT	1940485063
SNP_P1_224815_9435	NW_004516556.1	Scaffold1322	9435	TT	AA	1940485064
SNP_P1_224816_9711	NW_004516556.1	Scaffold1322	9711	TT	CC	1940485065
SNP_P1_224818_9820	NW_004516556.1	Scaffold1322	9820	TT	AA	1940485066
SNP_P1_224819_9873	NW_004516556.1	Scaffold1322	9873	TT	AA	1940485067
SNP_P1_224820_9875	NW_004516556.1	Scaffold1322	9875	CC	TT	1940485068
SNP_P1_224821_9936	NW_004516556.1	Scaffold1322	9936	TT	AA	1940485069
SNP_P1_224822_9990	NW_004516556.1	Scaffold1322	9990	TT	AA	1940485070
SNP_P1_224823_4585	NW_004516557.1	Scaffold1323	4585	GG	TT	1940485071
SNP_P1_224824_4610	NW_004516557.1	Scaffold1323	4610	GG	TT	1940485072
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SNP_P1_224832_6171	NW_004516557.1	Scaffold1323	6171	AA	TT	1940485080
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SNP_P1_224835_6195	NW_004516557.1	Scaffold1323	6195	GG	AA	1940485083
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SNP_P1_224843_7366	NW_004516558.1	Scaffold1324	7366	AA	TT	1940485090
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SNP_P1_224845_7404	NW_004516558.1	Scaffold1324	7404	GG	AA	1940485092
SNP_P1_224846_7409	NW_004516558.1	Scaffold1324	7409	AA	CC	1940485093
SNP_P1_224847_7437	NW_004516558.1	Scaffold1324	7437	AA	GG	1940485094
SNP_P1_224848_7623	NW_004516558.1	Scaffold1324	7623	AA	CC	1940485095
SNP_P1_224849_7924	NW_004516558.1	Scaffold1324	7924	CC	TT	1940485096

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224853_7995	NW_004516558.1	Scaffold1324	7995	CC	AA	1940485099
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SNP_P1_224855_8043	NW_004516558.1	Scaffold1324	8043	TT	AA	1940485101
SNP_P1_224856_8044	NW_004516558.1	Scaffold1324	8044	AA	GG	1940485102
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SNP_P1_224858_8088	NW_004516558.1	Scaffold1324	8088	GG	TT	1940485104
SNP_P1_224859_8112	NW_004516558.1	Scaffold1324	8112	CC	TT	1940485105
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SNP_P1_224861_8147	NW_004516558.1	Scaffold1324	8147	CC	TT	1940485107
SNP_P1_224862_8163	NW_004516558.1	Scaffold1324	8163	TT	CC	1940485108
SNP_P1_224863_8178	NW_004516558.1	Scaffold1324	8178	GG	TT	1940485109
SNP_P1_224864_8192	NW_004516558.1	Scaffold1324	8192	AA	TT	1940485110
SNP_P1_224865_8195	NW_004516558.1	Scaffold1324	8195	AA	TT	1940485111
SNP_P1_224866_8221	NW_004516558.1	Scaffold1324	8221	CC	TT	1940485112
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SNP_P1_224868_8232	NW_004516558.1	Scaffold1324	8232	GG	AA	1940485114
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SNP_P1_224890_53628	NW_004516558.1	Scaffold1324	53628	AA	GG	1940485131
SNP_P1_224891_53850	NW_004516558.1	Scaffold1324	53850	GG	AA	1940485132
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SNP_P1_224895_63961	NW_004516558.1	Scaffold1324	63961	AA	TT	1940485134
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SNP_P1_224899_67480	NW_004516558.1	Scaffold1324	67480	GG	TT	1940485137
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224905_90986	NW_004516558.1	Scaffold1324	90986	TT	GG	1940485142
SNP_P1_224906_96818	NW_004516558.1	Scaffold1324	96818	TT	AA	1940485143
SNP_P1_224908_109842	NW_004516558.1	Scaffold1324	109842	TT	GG	1940485144
SNP_P1_224909_110249	NW_004516558.1	Scaffold1324	110249	GG	AA	1940485145
SNP_P1_224910_110283	NW_004516558.1	Scaffold1324	110283	GG	AA	1940485146
SNP_P1_224911_110316	NW_004516558.1	Scaffold1324	110316	AA	GG	1940485147
SNP_P1_224912_110339	NW_004516558.1	Scaffold1324	110339	GG	AA	1940485148
SNP_P1_224913_110345	NW_004516558.1	Scaffold1324	110345	AA	GG	1940485149
SNP_P1_224914_110350	NW_004516558.1	Scaffold1324	110350	CC	AA	1940485150
SNP_P1_224915_110369	NW_004516558.1	Scaffold1324	110369	TT	CC	1940485151
SNP_P1_224916_110402	NW_004516558.1	Scaffold1324	110402	TT	CC	1940485152
SNP_P1_224917_110426	NW_004516558.1	Scaffold1324	110426	AA	GG	1940485153
SNP_P1_224919_110722	NW_004516558.1	Scaffold1324	110722	AA	CC	1940485154
SNP_P1_224920_110759	NW_004516558.1	Scaffold1324	110759	TT	AA	1940485155
SNP_P1_224921_110808	NW_004516558.1	Scaffold1324	110808	AA	GG	1940485156
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SNP_P1_224935_209829	NW_004516558.1	Scaffold1324	209829	CC	TT	1940485169
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SNP_P1_224943_219455	NW_004516558.1	Scaffold1324	219455	AA	GG	1940485176
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SNP_P1_224945_219706	NW_004516558.1	Scaffold1324	219706	GG	TT	1940485178
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SNP_P1_224947_219913	NW_004516558.1	Scaffold1324	219913	AA	CC	1940485180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224951_220828	NW_004516558.1	Scaffold1324	220828	AA	GG	1940485184
SNP_P1_224952_220867	NW_004516558.1	Scaffold1324	220867	TT	AA	1940485185
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SNP_P1_224954_225761	NW_004516558.1	Scaffold1324	225761	CC	TT	1940485187
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SNP_P1_224962_227409	NW_004516558.1	Scaffold1324	227409	TT	GG	1940485195
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SNP_P1_224987_235323	NW_004516558.1	Scaffold1324	235323	TT	AA	1940485219
SNP_P1_224988_235325	NW_004516558.1	Scaffold1324	235325	TT	AA	1940485220
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SNP_P1_224990_235454	NW_004516558.1	Scaffold1324	235454	TT	GG	1940485222
SNP_P1_224991_235619	NW_004516558.1	Scaffold1324	235619	AA	GG	1940485223

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_224996_236072	NW_004516558.1	Scaffold1324	236072	AA	CC	1940485228
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SNP_P1_224999_236250	NW_004516558.1	Scaffold1324	236250	AA	GG	1940485231
SNP_P1_225000_236261	NW_004516558.1	Scaffold1324	236261	GG	AA	1940485232
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SNP_P1_225004_236516	NW_004516558.1	Scaffold1324	236516	CC	TT	1940485236
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SNP_P1_225017_237202	NW_004516558.1	Scaffold1324	237202	GG	AA	1940485248
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SNP_P1_225019_237379	NW_004516558.1	Scaffold1324	237379	TT	CC	1940485250
SNP_P1_225020_237502	NW_004516558.1	Scaffold1324	237502	CC	TT	1940485251
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SNP_P1_225022_237539	NW_004516558.1	Scaffold1324	237539	TT	CC	1940485253
SNP_P1_225023_237709	NW_004516558.1	Scaffold1324	237709	CC	TT	1940485254
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SNP_P1_225033_238507	NW_004516558.1	Scaffold1324	238507	TT	CC	1940485263
SNP_P1_225034_238532	NW_004516558.1	Scaffold1324	238532	AA	GG	1940485264
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225039_238936	NW_004516558.1	Scaffold1324	238936	AA	GG	1940485269
SNP_P1_225040_238966	NW_004516558.1	Scaffold1324	238966	TT	CC	1940485270
SNP_P1_225041_238992	NW_004516558.1	Scaffold1324	238992	TT	CC	1940485271
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SNP_P1_225044_239134	NW_004516558.1	Scaffold1324	239134	GG	AA	1940485274
SNP_P1_225045_239184	NW_004516558.1	Scaffold1324	239184	GG	AA	1940485275
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SNP_P1_225047_239790	NW_004516558.1	Scaffold1324	239790	GG	AA	1940485277
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SNP_P1_225075_247742	NW_004516558.1	Scaffold1324	247742	TT	GG	1940485304
SNP_P1_225076_247901	NW_004516558.1	Scaffold1324	247901	CC	TT	1940485305
SNP_P1_225077_247965	NW_004516558.1	Scaffold1324	247965	AA	TT	1940485306
SNP_P1_225078_248095	NW_004516558.1	Scaffold1324	248095	TT	AA	1940485307

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225081_248344	NW_004516558.1	Scaffold1324	248344	CC	TT	1940485310
SNP_P1_225082_251971	NW_004516558.1	Scaffold1324	251971	TT	CC	1940485311
SNP_P1_225083_252222	NW_004516558.1	Scaffold1324	252222	AA	GG	1940485312
SNP_P1_225084_252258	NW_004516558.1	Scaffold1324	252258	AA	TT	1940485313
SNP_P1_225086_252751	NW_004516558.1	Scaffold1324	252751	CC	TT	1940485314
SNP_P1_225087_252775	NW_004516558.1	Scaffold1324	252775	AA	GG	1940485315
SNP_P1_225089_252843	NW_004516558.1	Scaffold1324	252843	AA	CC	1940485316
SNP_P1_225090_253082	NW_004516558.1	Scaffold1324	253082	TT	CC	1940485317
SNP_P1_225091_253362	NW_004516558.1	Scaffold1324	253362	TT	GG	1940485318
SNP_P1_225092_253375	NW_004516558.1	Scaffold1324	253375	CC	TT	1940485319
SNP_P1_225093_253379	NW_004516558.1	Scaffold1324	253379	GG	TT	1940485320
SNP_P1_225094_253520	NW_004516558.1	Scaffold1324	253520	CC	AA	1940485321
SNP_P1_225095_253608	NW_004516558.1	Scaffold1324	253608	AA	GG	1940485322
SNP_P1_225096_253611	NW_004516558.1	Scaffold1324	253611	CC	AA	1940485323
SNP_P1_225098_253796	NW_004516558.1	Scaffold1324	253796	AA	TT	1940485324
SNP_P1_225099_253985	NW_004516558.1	Scaffold1324	253985	TT	GG	1940485325
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SNP_P1_225113_255687	NW_004516558.1	Scaffold1324	255687	AA	GG	1940485338
SNP_P1_225114_255734	NW_004516558.1	Scaffold1324	255734	AA	GG	1940485339
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SNP_P1_225118_255878	NW_004516558.1	Scaffold1324	255878	GG	TT	1940485342
SNP_P1_225120_256014	NW_004516558.1	Scaffold1324	256014	AA	GG	1940485343
SNP_P1_225121_256050	NW_004516558.1	Scaffold1324	256050	TT	CC	1940485344
SNP_P1_225122_256158	NW_004516558.1	Scaffold1324	256158	AA	GG	1940485345
SNP_P1_225123_256209	NW_004516558.1	Scaffold1324	256209	GG	CC	1940485346
SNP_P1_225124_256211	NW_004516558.1	Scaffold1324	256211	AA	TT	1940485347
SNP_P1_225125_256277	NW_004516558.1	Scaffold1324	256277	TT	GG	1940485348
SNP_P1_225127_256352	NW_004516558.1	Scaffold1324	256352	AA	GG	1940485349

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225130_256425	NW_004516558.1	Scaffold1324	256425	GG	AA	1940485353
SNP_P1_225131_256503	NW_004516558.1	Scaffold1324	256503	AA	GG	1940485354
SNP_P1_225132_265912	NW_004516558.1	Scaffold1324	265912	TT	CC	1940485355
SNP_P1_225134_266088	NW_004516558.1	Scaffold1324	266088	CC	TT	1940485356
SNP_P1_225136_266150	NW_004516558.1	Scaffold1324	266150	AA	CC	1940485357
SNP_P1_225137_266152	NW_004516558.1	Scaffold1324	266152	CC	TT	1940485358
SNP_P1_225138_266169	NW_004516558.1	Scaffold1324	266169	AA	GG	1940485359
SNP_P1_225139_266309	NW_004516558.1	Scaffold1324	266309	TT	AA	1940485360
SNP_P1_225140_266386	NW_004516558.1	Scaffold1324	266386	GG	TT	1940485361
SNP_P1_225141_266658	NW_004516558.1	Scaffold1324	266658	CC	TT	1940485362
SNP_P1_225143_266786	NW_004516558.1	Scaffold1324	266786	TT	CC	1940485363
SNP_P1_225144_266787	NW_004516558.1	Scaffold1324	266787	GG	AA	1940485364
SNP_P1_225146_266850	NW_004516558.1	Scaffold1324	266850	TT	GG	1940485365
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SNP_P1_225171_269083	NW_004516558.1	Scaffold1324	269083	AA	GG	1940485388
SNP_P1_225172_269298	NW_004516558.1	Scaffold1324	269298	TT	GG	1940485389
SNP_P1_225173_269325	NW_004516558.1	Scaffold1324	269325	GG	AA	1940485390
SNP_P1_225174_269469	NW_004516558.1	Scaffold1324	269469	CC	GG	1940485391
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225180_270172	NW_004516558.1	Scaffold1324	270172	AA	GG	1940485397
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SNP_P1_225217_272252	NW_004516558.1	Scaffold1324	272252	TT	CC	1940485431
SNP_P1_225218_272292	NW_004516558.1	Scaffold1324	272292	TT	CC	1940485432
SNP_P1_225219_272326	NW_004516558.1	Scaffold1324	272326	AA	CC	1940485433
SNP_P1_225220_272332	NW_004516558.1	Scaffold1324	272332	TT	CC	1940485434

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225222_272447	NW_004516558.1	Scaffold1324	272447	CC	AA	1940485436
SNP_P1_225223_272463	NW_004516558.1	Scaffold1324	272463	GG	AA	1940485437
SNP_P1_225225_272669	NW_004516558.1	Scaffold1324	272669	AA	TT	1940485438
SNP_P1_225226_272856	NW_004516558.1	Scaffold1324	272856	TT	CC	1940485439
SNP_P1_225227_272878	NW_004516558.1	Scaffold1324	272878	AA	CC	1940485440
SNP_P1_225228_272879	NW_004516558.1	Scaffold1324	272879	AA	CC	1940485441
SNP_P1_225229_272943	NW_004516558.1	Scaffold1324	272943	CC	TT	1940485442
SNP_P1_225230_272988	NW_004516558.1	Scaffold1324	272988	GG	AA	1940485443
SNP_P1_225231_272993	NW_004516558.1	Scaffold1324	272993	CC	AA	1940485444
SNP_P1_225232_273017	NW_004516558.1	Scaffold1324	273017	CC	AA	1940485445
SNP_P1_225233_273045	NW_004516558.1	Scaffold1324	273045	AA	CC	1940485446
SNP_P1_225234_273167	NW_004516558.1	Scaffold1324	273167	GG	AA	1940485447
SNP_P1_225236_273544	NW_004516558.1	Scaffold1324	273544	CC	TT	1940485448
SNP_P1_225237_273567	NW_004516558.1	Scaffold1324	273567	AA	GG	1940485449
SNP_P1_225238_273584	NW_004516558.1	Scaffold1324	273584	AA	TT	1940485450
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SNP_P1_225243_273865	NW_004516558.1	Scaffold1324	273865	AA	CC	1940485455
SNP_P1_225244_273897	NW_004516558.1	Scaffold1324	273897	GG	CC	1940485456
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SNP_P1_225246_273911	NW_004516558.1	Scaffold1324	273911	AA	GG	1940485458
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SNP_P1_225248_273967	NW_004516558.1	Scaffold1324	273967	CC	AA	1940485460
SNP_P1_225249_273970	NW_004516558.1	Scaffold1324	273970	GG	AA	1940485461
SNP_P1_225250_274703	NW_004516558.1	Scaffold1324	274703	AA	TT	1940485462
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SNP_P1_225252_274757	NW_004516558.1	Scaffold1324	274757	GG	AA	1940485464
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SNP_P1_225254_274964	NW_004516558.1	Scaffold1324	274964	TT	AA	1940485466
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SNP_P1_225256_275016	NW_004516558.1	Scaffold1324	275016	GG	TT	1940485468
SNP_P1_225257_275020	NW_004516558.1	Scaffold1324	275020	TT	CC	1940485469
SNP_P1_225258_275707	NW_004516558.1	Scaffold1324	275707	GG	TT	1940485470
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SNP_P1_225260_276751	NW_004516558.1	Scaffold1324	276751	TT	AA	1940485472
SNP_P1_225263_278422	NW_004516558.1	Scaffold1324	278422	AA	GG	1940485473
SNP_P1_225265_279081	NW_004516558.1	Scaffold1324	279081	AA	CC	1940485474
SNP_P1_225266_279141	NW_004516558.1	Scaffold1324	279141	TT	AA	1940485475
SNP_P1_225267_279326	NW_004516558.1	Scaffold1324	279326	CC	TT	1940485476

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225271_319892	NW_004516558.1	Scaffold1324	319892	TT	CC	1940485480
SNP_P1_225272_319939	NW_004516558.1	Scaffold1324	319939	AA	CC	1940485481
SNP_P1_225273_321882	NW_004516558.1	Scaffold1324	321882	CC	GG	1940485482
SNP_P1_225274_324743	NW_004516558.1	Scaffold1324	324743	TT	CC	1940485483
SNP_P1_225275_332595	NW_004516558.1	Scaffold1324	332595	AA	GG	1940485484
SNP_P1_225278_349664	NW_004516558.1	Scaffold1324	349664	GG	AA	1940485485
SNP_P1_225279_354085	NW_004516558.1	Scaffold1324	354085	GG	TT	1940485486
SNP_P1_225281_390862	NW_004516558.1	Scaffold1324	390862	GG	AA	1940485487
SNP_P1_225282_394293	NW_004516558.1	Scaffold1324	394293	TT	AA	1940485488
SNP_P1_225283_397534	NW_004516558.1	Scaffold1324	397534	CC	TT	1940485489
SNP_P1_225284_397545	NW_004516558.1	Scaffold1324	397545	GG	AA	1940485490
SNP_P1_225285_398758	NW_004516558.1	Scaffold1324	398758	GG	AA	1940485491
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SNP_P1_225288_464413	NW_004516558.1	Scaffold1324	464413	TT	AA	1940485494
SNP_P1_225289_476471	NW_004516558.1	Scaffold1324	476471	AA	GG	1940485495
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SNP_P1_225296_506539	NW_004516558.1	Scaffold1324	506539	AA	GG	1940485501
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SNP_P1_225307_525046	NW_004516558.1	Scaffold1324	525046	TT	CC	1940485508
SNP_P1_225308_525115	NW_004516558.1	Scaffold1324	525115	AA	GG	1940485509
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SNP_P1_225314_538255	NW_004516558.1	Scaffold1324	538255	AA	GG	1940485515
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SNP_P1_225316_538958	NW_004516558.1	Scaffold1324	538958	CC	AA	1940485517
SNP_P1_225317_539046	NW_004516558.1	Scaffold1324	539046	AA	GG	1940485518
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225321_554932	NW_004516558.1	Scaffold1324	554932	AA	CC	1940485522
SNP_P1_225322_573843	NW_004516558.1	Scaffold1324	573843	AA	GG	1940485523
SNP_P1_225324_630409	NW_004516558.1	Scaffold1324	630409	AA	GG	1940485524
SNP_P1_225325_630416	NW_004516558.1	Scaffold1324	630416	AA	GG	1940485525
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SNP_P1_225327_630552	NW_004516558.1	Scaffold1324	630552	TT	CC	1940485527
SNP_P1_225328_630705	NW_004516558.1	Scaffold1324	630705	GG	TT	1940485528
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SNP_P1_225330_632904	NW_004516558.1	Scaffold1324	632904	CC	GG	1940485530
SNP_P1_225331_632941	NW_004516558.1	Scaffold1324	632941	AA	GG	1940485531
SNP_P1_225332_633204	NW_004516558.1	Scaffold1324	633204	CC	AA	1940485532
SNP_P1_225333_633269	NW_004516558.1	Scaffold1324	633269	TT	CC	1940485533
SNP_P1_225334_633286	NW_004516558.1	Scaffold1324	633286	GG	CC	1940485534
SNP_P1_225335_642296	NW_004516558.1	Scaffold1324	642296	CC	GG	1940485535
SNP_P1_225336_642345	NW_004516558.1	Scaffold1324	642345	CC	TT	1940485536
SNP_P1_225338_642644	NW_004516558.1	Scaffold1324	642644	AA	GG	1940485537
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SNP_P1_225342_685353	NW_004516558.1	Scaffold1324	685353	TT	CC	1940485541
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SNP_P1_225350_1955	NW_004516560.1	Scaffold1327	1955	CC	GG	1940485547
SNP_P1_225351_2084	NW_004516560.1	Scaffold1327	2084	TT	GG	1940485548
SNP_P1_225352_21010	NW_004516560.1	Scaffold1327	21010	TT	GG	1940485549
SNP_P1_225353_25333	NW_004516560.1	Scaffold1327	25333	GG	CC	1940485550
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SNP_P1_225358_32862	NW_004516560.1	Scaffold1327	32862	TT	CC	1940485555
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SNP_P1_225361_33455	NW_004516560.1	Scaffold1327	33455	TT	CC	1940485558
SNP_P1_225362_35693	NW_004516560.1	Scaffold1327	35693	TT	GG	1940485559
SNP_P1_225363_39762	NW_004516560.1	Scaffold1327	39762	GG	TT	1940485560
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225367_39905	NW_004516560.1	Scaffold1327	39905	GG	AA	1940485564
SNP_P1_225368_39939	NW_004516560.1	Scaffold1327	39939	GG	TT	1940485565
SNP_P1_225369_39975	NW_004516560.1	Scaffold1327	39975	GG	TT	1940485566
SNP_P1_225370_39997	NW_004516560.1	Scaffold1327	39997	CC	GG	1940485567
SNP_P1_225371_40028	NW_004516560.1	Scaffold1327	40028	TT	CC	1940485568
SNP_P1_225372_40031	NW_004516560.1	Scaffold1327	40031	GG	TT	1940485569
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SNP_P1_225376_40141	NW_004516560.1	Scaffold1327	40141	CC	TT	1940485573
SNP_P1_225377_42421	NW_004516560.1	Scaffold1327	42421	CC	TT	1940485574
SNP_P1_225378_42422	NW_004516560.1	Scaffold1327	42422	TT	CC	1940485575
SNP_P1_225379_42424	NW_004516560.1	Scaffold1327	42424	AA	GG	1940485576
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SNP_P1_225404_80956	NW_004516560.1	Scaffold1327	80956	AA	CC	1940485601
SNP_P1_225405_85648	NW_004516560.1	Scaffold1327	85648	TT	CC	1940485602
SNP_P1_225406_90999	NW_004516560.1	Scaffold1327	90999	GG	CC	1940485603

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225445_11795	NW_004516561.1	Scaffold1328	11795	AA	TT	1940485640
SNP_P1_225446_11806	NW_004516561.1	Scaffold1328	11806	TT	CC	1940485641
SNP_P1_225447_16767	NW_004516561.1	Scaffold1328	16767	AA	TT	1940485642
SNP_P1_225448_20270	NW_004516561.1	Scaffold1328	20270	AA	GG	1940485643
SNP_P1_225449_26375	NW_004516561.1	Scaffold1328	26375	AA	TT	1940485644
SNP_P1_225450_26474	NW_004516561.1	Scaffold1328	26474	AA	CC	1940485645

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225452_26511	NW_004516561.1	Scaffold1328	26511	TT	GG	1940485647
SNP_P1_225453_26512	NW_004516561.1	Scaffold1328	26512	CC	GG	1940485648
SNP_P1_225454_26716	NW_004516561.1	Scaffold1328	26716	GG	AA	1940485649
SNP_P1_225455_26726	NW_004516561.1	Scaffold1328	26726	CC	AA	1940485650
SNP_P1_225456_30317	NW_004516561.1	Scaffold1328	30317	CC	AA	1940485651
SNP_P1_225457_30612	NW_004516561.1	Scaffold1328	30612	GG	AA	1940485652
SNP_P1_225458_30640	NW_004516561.1	Scaffold1328	30640	CC	AA	1940485653
SNP_P1_225459_31842	NW_004516561.1	Scaffold1328	31842	GG	AA	1940485654
SNP_P1_225460_32077	NW_004516561.1	Scaffold1328	32077	GG	AA	1940485655
SNP_P1_225461_32939	NW_004516561.1	Scaffold1328	32939	AA	GG	1940485656
SNP_P1_225462_33498	NW_004516561.1	Scaffold1328	33498	AA	GG	1940485657
SNP_P1_225463_33519	NW_004516561.1	Scaffold1328	33519	AA	GG	1940485658
SNP_P1_225464_35448	NW_004516561.1	Scaffold1328	35448	AA	CC	1940485659
SNP_P1_225465_35463	NW_004516561.1	Scaffold1328	35463	TT	AA	1940485660
SNP_P1_225466_38586	NW_004516561.1	Scaffold1328	38586	TT	CC	1940485661
SNP_P1_225467_38622	NW_004516561.1	Scaffold1328	38622	AA	CC	1940485662
SNP_P1_225468_38871	NW_004516561.1	Scaffold1328	38871	TT	CC	1940485663
SNP_P1_225469_54139	NW_004516561.1	Scaffold1328	54139	GG	TT	1940485665
SNP_P1_225470_54183	NW_004516561.1	Scaffold1328	54183	GG	TT	1940485666
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SNP_P1_225473_56521	NW_004516561.1	Scaffold1328	56521	TT	AA	1940485669
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SNP_P1_225475_63527	NW_004516561.1	Scaffold1328	63527	CC	AA	1940485671
SNP_P1_225476_63543	NW_004516561.1	Scaffold1328	63543	TT	CC	1940485672
SNP_P1_225477_63553	NW_004516561.1	Scaffold1328	63553	GG	AA	1940485673
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SNP_P1_225479_63763	NW_004516561.1	Scaffold1328	63763	TT	GG	1940485675
SNP_P1_225480_63857	NW_004516561.1	Scaffold1328	63857	AA	GG	1940485676
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SNP_P1_225488_72390	NW_004516561.1	Scaffold1328	72390	AA	GG	1940485683
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SNP_P1_225491_72573	NW_004516561.1	Scaffold1328	72573	GG	TT	1940485686
SNP_P1_225492_72592	NW_004516561.1	Scaffold1328	72592	TT	CC	1940485687
SNP_P1_225493_72594	NW_004516561.1	Scaffold1328	72594	TT	GG	1940485688

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225495_73276	NW_004516561.1	Scaffold1328	73276	TT	GG	1940485690
SNP_P1_225496_73307	NW_004516561.1	Scaffold1328	73307	TT	CC	1940485691
SNP_P1_225497_76742	NW_004516561.1	Scaffold1328	76742	GG	AA	1940485692
SNP_P1_225498_76747	NW_004516561.1	Scaffold1328	76747	GG	TT	1940485693
SNP_P1_225499_76748	NW_004516561.1	Scaffold1328	76748	CC	TT	1940485694
SNP_P1_225500_76982	NW_004516561.1	Scaffold1328	76982	AA	GG	1940485695
SNP_P1_225501_77271	NW_004516561.1	Scaffold1328	77271	CC	TT	1940485696
SNP_P1_225503_77323	NW_004516561.1	Scaffold1328	77323	GG	TT	1940485697
SNP_P1_225504_79923	NW_004516561.1	Scaffold1328	79923	AA	GG	1940485698
SNP_P1_225505_79948	NW_004516561.1	Scaffold1328	79948	TT	AA	1940485699
SNP_P1_225506_79982	NW_004516561.1	Scaffold1328	79982	CC	TT	1940485700
SNP_P1_225507_351	NW_004516562.1	Scaffold1329	351	GG	TT	1940485701
SNP_P1_225508_7612	NW_004516562.1	Scaffold1329	7612	GG	AA	1940485702
SNP_P1_225509_7677	NW_004516562.1	Scaffold1329	7677	AA	GG	1940485703
SNP_P1_225510_7680	NW_004516562.1	Scaffold1329	7680	AA	CC	1940485704
SNP_P1_225511_18870	NW_004516562.1	Scaffold1329	18870	TT	AA	1940485705
SNP_P1_225512_3636	NW_004516563.1	Scaffold1330	3636	GG	TT	1940485706
SNP_P1_225513_16163	NW_004516563.1	Scaffold1330	16163	TT	CC	1940485707
SNP_P1_225514_16335	NW_004516563.1	Scaffold1330	16335	TT	GG	1940485708
SNP_P1_225515_16406	NW_004516563.1	Scaffold1330	16406	AA	TT	1940485709
SNP_P1_225516_21062	NW_004516563.1	Scaffold1330	21062	TT	CC	1940485710
SNP_P1_225517_21092	NW_004516563.1	Scaffold1330	21092	CC	TT	1940485711
SNP_P1_225518_27468	NW_004516563.1	Scaffold1330	27468	TT	CC	1940485712
SNP_P1_225519_27526	NW_004516563.1	Scaffold1330	27526	TT	CC	1940485713
SNP_P1_225520_27528	NW_004516563.1	Scaffold1330	27528	CC	TT	1940485714
SNP_P1_225521_27817	NW_004516563.1	Scaffold1330	27817	TT	CC	1940485715
SNP_P1_225522_27859	NW_004516563.1	Scaffold1330	27859	AA	GG	1940485716
SNP_P1_225523_27894	NW_004516563.1	Scaffold1330	27894	TT	GG	1940485717
SNP_P1_225524_38397	NW_004516563.1	Scaffold1330	38397	AA	CC	1940485718
SNP_P1_225525_40847	NW_004516563.1	Scaffold1330	40847	AA	GG	1940485719
SNP_P1_225526_40848	NW_004516563.1	Scaffold1330	40848	TT	AA	1940485720
SNP_P1_225527_41128	NW_004516563.1	Scaffold1330	41128	AA	GG	1940485721
SNP_P1_225528_41163	NW_004516563.1	Scaffold1330	41163	AA	TT	1940485722
SNP_P1_225529_64	NW_004516564.1	Scaffold1331	64	AA	TT	1940485723
SNP_P1_225530_458	NW_004516564.1	Scaffold1331	458	CC	TT	1940485724
SNP_P1_225531_636	NW_004516564.1	Scaffold1331	636	TT	GG	1940485725
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SNP_P1_225533_23798	NW_004516564.1	Scaffold1331	23798	GG	AA	1940485727
SNP_P1_225534_23801	NW_004516564.1	Scaffold1331	23801	GG	CC	1940485728
SNP_P1_225535_23803	NW_004516564.1	Scaffold1331	23803	AA	CC	1940485729
SNP_P1_225536_23810	NW_004516564.1	Scaffold1331	23810	GG	AA	1940485730

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225539_23869	NW_004516564.1	Scaffold1331	23869	GG	AA	1940485733
SNP_P1_225540_23870	NW_004516564.1	Scaffold1331	23870	TT	CC	1940485734
SNP_P1_225541_24502	NW_004516564.1	Scaffold1331	24502	AA	GG	1940485735
SNP_P1_225542_24511	NW_004516564.1	Scaffold1331	24511	AA	TT	1940485736
SNP_P1_225543_30534	NW_004516564.1	Scaffold1331	30534	CC	TT	1940485737
SNP_P1_225544_32675	NW_004516564.1	Scaffold1331	32675	TT	CC	1940485738
SNP_P1_225545_33625	NW_004516564.1	Scaffold1331	33625	TT	CC	1940485739
SNP_P1_225546_33768	NW_004516564.1	Scaffold1331	33768	TT	CC	1940485740
SNP_P1_225547_33926	NW_004516564.1	Scaffold1331	33926	TT	AA	1940485741
SNP_P1_225548_38056	NW_004516564.1	Scaffold1331	38056	GG	AA	1940485742
SNP_P1_225549_39604	NW_004516564.1	Scaffold1331	39604	AA	GG	1940485743
SNP_P1_225550_39660	NW_004516564.1	Scaffold1331	39660	TT	CC	1940485744
SNP_P1_225551_41279	NW_004516564.1	Scaffold1331	41279	AA	CC	1940485745
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SNP_P1_225553_41462	NW_004516564.1	Scaffold1331	41462	AA	CC	1940485747
SNP_P1_225554_41482	NW_004516564.1	Scaffold1331	41482	CC	AA	1940485748
SNP_P1_225555_41498	NW_004516564.1	Scaffold1331	41498	CC	TT	1940485749
SNP_P1_225556_41504	NW_004516564.1	Scaffold1331	41504	TT	GG	1940485750
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SNP_P1_225570_53217	NW_004516564.1	Scaffold1331	53217	AA	TT	1940485761
SNP_P1_225571_53218	NW_004516564.1	Scaffold1331	53218	AA	TT	1940485762
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SNP_P1_225575_57039	NW_004516564.1	Scaffold1331	57039	AA	CC	1940485766
SNP_P1_225576_57637	NW_004516564.1	Scaffold1331	57637	TT	AA	1940485767
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SNP_P1_225579_61674	NW_004516564.1	Scaffold1331	61674	CC	GG	1940485769
SNP_P1_225580_62316	NW_004516564.1	Scaffold1331	62316	TT	CC	1940485770
SNP_P1_225581_62626	NW_004516564.1	Scaffold1331	62626	GG	AA	1940485771
SNP_P1_225582_63228	NW_004516564.1	Scaffold1331	63228	AA	TT	1940485772

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225585_75654	NW_004516564.1	Scaffold1331	75654	AA	TT	1940485775
SNP_P1_225588_83939	NW_004516564.1	Scaffold1331	83939	TT	GG	1940485776
SNP_P1_225590_84087	NW_004516564.1	Scaffold1331	84087	GG	CC	1940485777
SNP_P1_225591_85137	NW_004516564.1	Scaffold1331	85137	CC	TT	1940485778
SNP_P1_225592_86188	NW_004516564.1	Scaffold1331	86188	GG	AA	1940485779
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SNP_P1_225594_64	NW_004516565.1	Scaffold1332	64	GG	AA	1940485781
SNP_P1_225595_110	NW_004516565.1	Scaffold1332	110	CC	TT	1940485782
SNP_P1_225596_158	NW_004516565.1	Scaffold1332	158	AA	TT	1940485783
SNP_P1_225597_340	NW_004516565.1	Scaffold1332	340	GG	AA	1940485784
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SNP_P1_225600_365	NW_004516565.1	Scaffold1332	365	TT	AA	1940485786
SNP_P1_225601_366	NW_004516565.1	Scaffold1332	366	TT	AA	1940485787
SNP_P1_225602_367	NW_004516565.1	Scaffold1332	367	TT	AA	1940485788
SNP_P1_225603_386	NW_004516565.1	Scaffold1332	386	AA	GG	1940485789
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SNP_P1_225629_6571	NW_004516565.1	Scaffold1332	6571	CC	TT	1940485813
SNP_P1_225630_6618	NW_004516565.1	Scaffold1332	6618	GG	AA	1940485814

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225635_7975	NW_004516565.1	Scaffold1332	7975	CC	TT	1940485818
SNP_P1_225636_8008	NW_004516565.1	Scaffold1332	8008	AA	TT	1940485819
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SNP_P1_225639_8403	NW_004516565.1	Scaffold1332	8403	CC	TT	1940485821
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SNP_P1_225662_9953	NW_004516565.1	Scaffold1332	9953	AA	GG	1940485844
SNP_P1_225664_10016	NW_004516565.1	Scaffold1332	10016	AA	GG	1940485845
SNP_P1_225665_10138	NW_004516565.1	Scaffold1332	10138	AA	GG	1940485846
SNP_P1_225666_10922	NW_004516565.1	Scaffold1332	10922	GG	AA	1940485847
SNP_P1_225667_11000	NW_004516565.1	Scaffold1332	11000	GG	AA	1940485848
SNP_P1_225668_11035	NW_004516565.1	Scaffold1332	11035	TT	GG	1940485849
SNP_P1_225669_11214	NW_004516565.1	Scaffold1332	11214	TT	GG	1940485850
SNP_P1_225670_11260	NW_004516565.1	Scaffold1332	11260	GG	TT	1940485851
SNP_P1_225671_11285	NW_004516565.1	Scaffold1332	11285	GG	CC	1940485852
SNP_P1_225672_11597	NW_004516565.1	Scaffold1332	11597	CC	AA	1940485853
SNP_P1_225673_2386	NW_004516566.1	Scaffold1335	2386	AA	TT	1940485854
SNP_P1_225674_2419	NW_004516566.1	Scaffold1335	2419	TT	CC	1940485855
SNP_P1_225675_2420	NW_004516566.1	Scaffold1335	2420	CC	AA	1940485856
SNP_P1_225676_2421	NW_004516566.1	Scaffold1335	2421	TT	GG	1940485857

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_225677_22745	NW_004516566.1	Scaffold1335	22745	TT	CC	1940485858
SNP_P1_225678_22791	NW_004516566.1	Scaffold1335	22791	TT	GG	1940485859
SNP_P1_225679_23031	NW_004516566.1	Scaffold1335	23031	GG	AA	1940485860
SNP_P1_225680_24320	NW_004516566.1	Scaffold1335	24320	TT	CC	1940485861
SNP_P1_225681_26509	NW_004516566.1	Scaffold1335	26509	TT	GG	1940485862
SNP_P1_225682_27337	NW_004516566.1	Scaffold1335	27337	AA	GG	1940485863
SNP_P1_225683_31563	NW_004516566.1	Scaffold1335	31563	TT	GG	1940485864
SNP_P1_225684_31995	NW_004516566.1	Scaffold1335	31995	AA	GG	1940485865
SNP_P1_225685_32032	NW_004516566.1	Scaffold1335	32032	CC	GG	1940485866
SNP_P1_225686_32452	NW_004516566.1	Scaffold1335	32452	TT	CC	1940485867
SNP_P1_225687_32539	NW_004516566.1	Scaffold1335	32539	GG	AA	1940485868
SNP_P1_225688_33328	NW_004516566.1	Scaffold1335	33328	TT	AA	1940485869
SNP_P1_225689_33352	NW_004516566.1	Scaffold1335	33352	TT	GG	1940485870
SNP_P1_225690_33382	NW_004516566.1	Scaffold1335	33382	AA	GG	1940485871
SNP_P1_225691_33392	NW_004516566.1	Scaffold1335	33392	GG	AA	1940485872
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SNP_P1_225694_33452	NW_004516566.1	Scaffold1335	33452	AA	GG	1940485875
SNP_P1_225695_33614	NW_004516566.1	Scaffold1335	33614	AA	GG	1940485876
SNP_P1_225697_33630	NW_004516566.1	Scaffold1335	33630	GG	AA	1940485877
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SNP_P1_225700_33727	NW_004516566.1	Scaffold1335	33727	GG	TT	1940485880
SNP_P1_225701_33732	NW_004516566.1	Scaffold1335	33732	AA	GG	1940485881
SNP_P1_225702_33733	NW_004516566.1	Scaffold1335	33733	GG	AA	1940485882
SNP_P1_225703_33792	NW_004516566.1	Scaffold1335	33792	AA	TT	1940485883
SNP_P1_225704_33801	NW_004516566.1	Scaffold1335	33801	GG	CC	1940485884
SNP_P1_225705_33841	NW_004516566.1	Scaffold1335	33841	TT	CC	1940485885
SNP_P1_225706_33857	NW_004516566.1	Scaffold1335	33857	AA	GG	1940485886
SNP_P1_225707_33860	NW_004516566.1	Scaffold1335	33860	GG	AA	1940485887
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SNP_P1_225711_38328	NW_004516566.1	Scaffold1335	38328	TT	CC	1940485890
SNP_P1_225712_44846	NW_004516566.1	Scaffold1335	44846	GG	AA	1940485891
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SNP_P1_225714_45286	NW_004516566.1	Scaffold1335	45286	GG	TT	1940485893
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SNP_P1_225717_45325	NW_004516566.1	Scaffold1335	45325	AA	TT	1940485896
SNP_P1_225718_45373	NW_004516566.1	Scaffold1335	45373	TT	CC	1940485897
SNP_P1_225719_45374	NW_004516566.1	Scaffold1335	45374	GG	CC	1940485898
SNP_P1_225720_45410	NW_004516566.1	Scaffold1335	45410	AA	TT	1940485899

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225722_45452	NW_004516566.1	Scaffold1335	45452	AA	GG	1940485901
SNP_P1_225723_45473	NW_004516566.1	Scaffold1335	45473	AA	GG	1940485902
SNP_P1_225724_45482	NW_004516566.1	Scaffold1335	45482	TT	CC	1940485903
SNP_P1_225725_45494	NW_004516566.1	Scaffold1335	45494	CC	TT	1940485904
SNP_P1_225726_45502	NW_004516566.1	Scaffold1335	45502	AA	GG	1940485905
SNP_P1_225727_45527	NW_004516566.1	Scaffold1335	45527	TT	CC	1940485906
SNP_P1_225728_45590	NW_004516566.1	Scaffold1335	45590	AA	GG	1940485907
SNP_P1_225730_45667	NW_004516566.1	Scaffold1335	45667	GG	AA	1940485908
SNP_P1_225731_45691	NW_004516566.1	Scaffold1335	45691	TT	CC	1940485909
SNP_P1_225732_45791	NW_004516566.1	Scaffold1335	45791	CC	TT	1940485910
SNP_P1_225733_45793	NW_004516566.1	Scaffold1335	45793	GG	CC	1940485911
SNP_P1_225734_45806	NW_004516566.1	Scaffold1335	45806	TT	AA	1940485912
SNP_P1_225735_45840	NW_004516566.1	Scaffold1335	45840	TT	CC	1940485913
SNP_P1_225736_45863	NW_004516566.1	Scaffold1335	45863	GG	AA	1940485914
SNP_P1_225737_45886	NW_004516566.1	Scaffold1335	45886	GG	AA	1940485915
SNP_P1_225738_45905	NW_004516566.1	Scaffold1335	45905	AA	CC	1940485916
SNP_P1_225739_45924	NW_004516566.1	Scaffold1335	45924	GG	AA	1940485917
SNP_P1_225740_45932	NW_004516566.1	Scaffold1335	45932	CC	TT	1940485918
SNP_P1_225741_45933	NW_004516566.1	Scaffold1335	45933	TT	GG	1940485919
SNP_P1_225742_45941	NW_004516566.1	Scaffold1335	45941	GG	AA	1940485920
SNP_P1_225743_46032	NW_004516566.1	Scaffold1335	46032	AA	GG	1940485921
SNP_P1_225744_46050	NW_004516566.1	Scaffold1335	46050	CC	TT	1940485922
SNP_P1_225745_46073	NW_004516566.1	Scaffold1335	46073	TT	AA	1940485923
SNP_P1_225746_46127	NW_004516566.1	Scaffold1335	46127	GG	AA	1940485924
SNP_P1_225747_46137	NW_004516566.1	Scaffold1335	46137	CC	TT	1940485925
SNP_P1_225748_46184	NW_004516566.1	Scaffold1335	46184	TT	AA	1940485926
SNP_P1_225749_46212	NW_004516566.1	Scaffold1335	46212	GG	AA	1940485927
SNP_P1_225750_46255	NW_004516566.1	Scaffold1335	46255	GG	AA	1940485928
SNP_P1_225752_46291	NW_004516566.1	Scaffold1335	46291	GG	AA	1940485929
SNP_P1_225753_46361	NW_004516566.1	Scaffold1335	46361	GG	TT	1940485930
SNP_P1_225754_46375	NW_004516566.1	Scaffold1335	46375	CC	TT	1940485931
SNP_P1_225755_46433	NW_004516566.1	Scaffold1335	46433	TT	CC	1940485932
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SNP_P1_225757_46531	NW_004516566.1	Scaffold1335	46531	TT	AA	1940485934
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SNP_P1_225759_46549	NW_004516566.1	Scaffold1335	46549	TT	CC	1940485936
SNP_P1_225760_11288	NW_004516567.1	Scaffold1337	11288	TT	AA	1940485937
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SNP_P1_225762_25455	NW_004516567.1	Scaffold1337	25455	CC	TT	1940485939
SNP_P1_225763_28690	NW_004516567.1	Scaffold1337	28690	TT	CC	1940485940
SNP_P1_225764_33564	NW_004516567.1	Scaffold1337	33564	AA	GG	1940485941

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225767_38380	NW_004516567.1	Scaffold1337	38380	AA	GG	1940485944
SNP_P1_225768_40818	NW_004516567.1	Scaffold1337	40818	AA	GG	1940485945
SNP_P1_225769_40893	NW_004516567.1	Scaffold1337	40893	GG	AA	1940485946
SNP_P1_225770_40897	NW_004516567.1	Scaffold1337	40897	AA	CC	1940485947
SNP_P1_225772_41234	NW_004516567.1	Scaffold1337	41234	TT	AA	1940485948
SNP_P1_225773_41438	NW_004516567.1	Scaffold1337	41438	CC	TT	1940485949
SNP_P1_225774_42710	NW_004516567.1	Scaffold1337	42710	GG	AA	1940485950
SNP_P1_225775_42830	NW_004516567.1	Scaffold1337	42830	GG	AA	1940485951
SNP_P1_225776_43016	NW_004516567.1	Scaffold1337	43016	TT	CC	1940485952
SNP_P1_225777_43081	NW_004516567.1	Scaffold1337	43081	CC	AA	1940485953
SNP_P1_225778_43148	NW_004516567.1	Scaffold1337	43148	GG	AA	1940485954
SNP_P1_225779_45518	NW_004516567.1	Scaffold1337	45518	AA	GG	1940485955
SNP_P1_225781_19664	NW_004516568.1	Scaffold1338	19664	AA	GG	1940485956
SNP_P1_225782_19673	NW_004516568.1	Scaffold1338	19673	GG	AA	1940485957
SNP_P1_225783_1266	NW_004516569.1	Scaffold1339	1266	TT	AA	1940485958
SNP_P1_225784_1296	NW_004516569.1	Scaffold1339	1296	TT	GG	1940485959
SNP_P1_225785_1301	NW_004516569.1	Scaffold1339	1301	GG	CC	1940485960
SNP_P1_225786_1555	NW_004516569.1	Scaffold1339	1555	AA	CC	1940485961
SNP_P1_225787_262	NW_004516570.1	Scaffold1342	262	TT	CC	1940485962
SNP_P1_225788_269	NW_004516570.1	Scaffold1342	269	GG	AA	1940485963
SNP_P1_225789_315	NW_004516570.1	Scaffold1342	315	CC	TT	1940485964
SNP_P1_225790_573	NW_004516570.1	Scaffold1342	573	AA	TT	1940485965
SNP_P1_225792_5673	NW_004516571.1	Scaffold1343	5673	GG	AA	1940485966
SNP_P1_225793_424	NW_004516572.1	Scaffold1344	424	TT	AA	1940485967
SNP_P1_225794_473	NW_004516572.1	Scaffold1344	473	CC	GG	1940485968
SNP_P1_225795_2075	NW_004516572.1	Scaffold1344	2075	GG	CC	1940485969
SNP_P1_225796_11259	NW_004516572.1	Scaffold1344	11259	AA	TT	1940485970
SNP_P1_225797_11277	NW_004516572.1	Scaffold1344	11277	CC	AA	1940485971
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SNP_P1_225800_11807	NW_004516572.1	Scaffold1344	11807	AA	CC	1940485974
SNP_P1_225801_11811	NW_004516572.1	Scaffold1344	11811	AA	GG	1940485975
SNP_P1_225802_11844	NW_004516572.1	Scaffold1344	11844	AA	CC	1940485976
SNP_P1_225803_11876	NW_004516572.1	Scaffold1344	11876	CC	TT	1940485977
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SNP_P1_225808_13536	NW_004516572.1	Scaffold1344	13536	AA	CC	1940485982
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225813_14930	NW_004516572.1	Scaffold1344	14930	AA	TT	1940485987
SNP_P1_225814_14966	NW_004516572.1	Scaffold1344	14966	AA	CC	1940485988
SNP_P1_225815_20708	NW_004516572.1	Scaffold1344	20708	GG	AA	1940485990
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SNP_P1_225818_20809	NW_004516572.1	Scaffold1344	20809	GG	AA	1940485993
SNP_P1_225819_20948	NW_004516572.1	Scaffold1344	20948	GG	CC	1940485994
SNP_P1_225820_20954	NW_004516572.1	Scaffold1344	20954	GG	AA	1940485995
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SNP_P1_225822_20998	NW_004516572.1	Scaffold1344	20998	AA	GG	1940485997
SNP_P1_225823_21040	NW_004516572.1	Scaffold1344	21040	AA	GG	1940485998
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SNP_P1_225825_21098	NW_004516572.1	Scaffold1344	21098	GG	AA	1940486000
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SNP_P1_225838_5390	NW_004516574.1	Scaffold1348_1	5390	TT	CC	1940486011
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SNP_P1_225840_5652	NW_004516574.1	Scaffold1348_1	5652	AA	GG	1940486013
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SNP_P1_225847_6372	NW_004516574.1	Scaffold1348_1	6372	GG	AA	1940486020
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SNP_P1_225853_8331	NW_004516574.1	Scaffold1348_1	8331	CC	GG	1940486025
SNP_P1_225854_8400	NW_004516574.1	Scaffold1348_1	8400	CC	GG	1940486026

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225859_12931	NW_004516574.1	Scaffold1348_1	12931	AA	GG	1940486029
SNP_P1_225860_13063	NW_004516574.1	Scaffold1348_1	13063	TT	CC	1940486030
SNP_P1_225861_13108	NW_004516574.1	Scaffold1348_1	13108	AA	GG	1940486031
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SNP_P1_225864_13201	NW_004516574.1	Scaffold1348_1	13201	GG	AA	1940486034
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SNP_P1_225866_15155	NW_004516574.1	Scaffold1348_1	15155	AA	CC	1940486036
SNP_P1_225867_16079	NW_004516574.1	Scaffold1348_1	16079	GG	AA	1940486037
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SNP_P1_225871_17432	NW_004516574.1	Scaffold1348_1	17432	GG	AA	1940486041
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SNP_P1_225883_18462	NW_004516574.1	Scaffold1348_1	18462	GG	TT	1940486051
SNP_P1_225884_18467	NW_004516574.1	Scaffold1348_1	18467	AA	TT	1940486052
SNP_P1_225885_18472	NW_004516574.1	Scaffold1348_1	18472	AA	TT	1940486053
SNP_P1_225886_18473	NW_004516574.1	Scaffold1348_1	18473	AA	TT	1940486054
SNP_P1_225887_18474	NW_004516574.1	Scaffold1348_1	18474	AA	TT	1940486055
SNP_P1_225888_18515	NW_004516574.1	Scaffold1348_1	18515	CC	GG	1940486056
SNP_P1_225889_19557	NW_004516574.1	Scaffold1348_1	19557	GG	AA	1940486057
SNP_P1_225890_19665	NW_004516574.1	Scaffold1348_1	19665	TT	CC	1940486058
SNP_P1_225892_21933	NW_004516574.1	Scaffold1348_1	21933	AA	TT	1940486059
SNP_P1_225893_21978	NW_004516574.1	Scaffold1348_1	21978	TT	CC	1940486060
SNP_P1_225894_22045	NW_004516574.1	Scaffold1348_1	22045	AA	GG	1940486061
SNP_P1_225896_22413	NW_004516574.1	Scaffold1348_1	22413	TT	CC	1940486062
SNP_P1_225897_24428	NW_004516574.1	Scaffold1348_1	24428	CC	GG	1940486063
SNP_P1_225899_24849	NW_004516574.1	Scaffold1348_1	24849	TT	AA	1940486064
SNP_P1_225900_24989	NW_004516574.1	Scaffold1348_1	24989	CC	TT	1940486065
SNP_P1_225902_25435	NW_004516574.1	Scaffold1348_1	25435	AA	TT	1940486066
SNP_P1_225903_25654	NW_004516574.1	Scaffold1348_1	25654	GG	AA	1940486067
SNP_P1_225904_25829	NW_004516574.1	Scaffold1348_1	25829	TT	CC	1940486068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225907_27686	NW_004516574.1	Scaffold1348_1	27686	AA	GG	1940486070
SNP_P1_225908_27707	NW_004516574.1	Scaffold1348_1	27707	TT	AA	1940486071
SNP_P1_225909_27710	NW_004516574.1	Scaffold1348_1	27710	TT	CC	1940486072
SNP_P1_225910_30143	NW_004516574.1	Scaffold1348_1	30143	GG	AA	1940486073
SNP_P1_225911_30508	NW_004516574.1	Scaffold1348_1	30508	AA	GG	1940486074
SNP_P1_225912_30518	NW_004516574.1	Scaffold1348_1	30518	CC	GG	1940486075
SNP_P1_225913_30614	NW_004516574.1	Scaffold1348_1	30614	GG	CC	1940486076
SNP_P1_225914_30624	NW_004516574.1	Scaffold1348_1	30624	AA	GG	1940486077
SNP_P1_225915_30673	NW_004516574.1	Scaffold1348_1	30673	AA	TT	1940486078
SNP_P1_225916_30809	NW_004516574.1	Scaffold1348_1	30809	GG	AA	1940486079
SNP_P1_225918_31190	NW_004516574.1	Scaffold1348_1	31190	GG	TT	1940486080
SNP_P1_225919_31202	NW_004516574.1	Scaffold1348_1	31202	CC	TT	1940486081
SNP_P1_225920_32954	NW_004516574.1	Scaffold1348_1	32954	CC	TT	1940486082
SNP_P1_225921_32959	NW_004516574.1	Scaffold1348_1	32959	CC	TT	1940486083
SNP_P1_225922_33650	NW_004516574.1	Scaffold1348_1	33650	AA	GG	1940486084
SNP_P1_225923_33662	NW_004516574.1	Scaffold1348_1	33662	TT	CC	1940486085
SNP_P1_225924_33673	NW_004516574.1	Scaffold1348_1	33673	GG	AA	1940486086
SNP_P1_225925_33725	NW_004516574.1	Scaffold1348_1	33725	CC	AA	1940486087
SNP_P1_225926_33789	NW_004516574.1	Scaffold1348_1	33789	AA	GG	1940486088
SNP_P1_225927_36021	NW_004516574.1	Scaffold1348_1	36021	AA	TT	1940486089
SNP_P1_225928_36041	NW_004516574.1	Scaffold1348_1	36041	GG	AA	1940486090
SNP_P1_225929_36190	NW_004516574.1	Scaffold1348_1	36190	TT	CC	1940486091
SNP_P1_225930_36202	NW_004516574.1	Scaffold1348_1	36202	AA	CC	1940486092
SNP_P1_225931_36214	NW_004516574.1	Scaffold1348_1	36214	AA	TT	1940486093
SNP_P1_225933_36296	NW_004516574.1	Scaffold1348_1	36296	TT	CC	1940486094
SNP_P1_225934_36303	NW_004516574.1	Scaffold1348_1	36303	TT	AA	1940486095
SNP_P1_225935_36304	NW_004516574.1	Scaffold1348_1	36304	TT	AA	1940486096
SNP_P1_225936_36390	NW_004516574.1	Scaffold1348_1	36390	TT	CC	1940486097
SNP_P1_225937_36446	NW_004516574.1	Scaffold1348_1	36446	GG	AA	1940486098
SNP_P1_225939_36505	NW_004516574.1	Scaffold1348_1	36505	CC	TT	1940486099
SNP_P1_225940_36795	NW_004516574.1	Scaffold1348_1	36795	TT	AA	1940486100
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SNP_P1_225943_38224	NW_004516574.1	Scaffold1348_1	38224	TT	GG	1940486102
SNP_P1_225944_38637	NW_004516574.1	Scaffold1348_1	38637	TT	CC	1940486103
SNP_P1_225945_39069	NW_004516574.1	Scaffold1348_1	39069	GG	AA	1940486104
SNP_P1_225946_39083	NW_004516574.1	Scaffold1348_1	39083	GG	AA	1940486105
SNP_P1_225947_39395	NW_004516574.1	Scaffold1348_1	39395	TT	CC	1940486106
SNP_P1_225948_39822	NW_004516574.1	Scaffold1348_1	39822	CC	AA	1940486107
SNP_P1_225949_40364	NW_004516574.1	Scaffold1348_1	40364	TT	CC	1940486108
SNP_P1_225950_40388	NW_004516574.1	Scaffold1348_1	40388	GG	AA	1940486109
SNP_P1_225951_40430	NW_004516574.1	Scaffold1348_1	40430	TT	CC	1940486110

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_225955_40518	NW_004516574.1	Scaffold1348_1	40518	CC	TT	1940486114
SNP_P1_225956_40756	NW_004516574.1	Scaffold1348_1	40756	AA	GG	1940486115
SNP_P1_225957_40791	NW_004516574.1	Scaffold1348_1	40791	GG	TT	1940486116
SNP_P1_225958_40829	NW_004516574.1	Scaffold1348_1	40829	GG	CC	1940486117
SNP_P1_225959_40869	NW_004516574.1	Scaffold1348_1	40869	CC	TT	1940486118
SNP_P1_225960_40916	NW_004516574.1	Scaffold1348_1	40916	AA	GG	1940486119
SNP_P1_225961_41006	NW_004516574.1	Scaffold1348_1	41006	TT	AA	1940486120
SNP_P1_225962_41143	NW_004516574.1	Scaffold1348_1	41143	TT	GG	1940486121
SNP_P1_225963_41175	NW_004516574.1	Scaffold1348_1	41175	AA	GG	1940486122
SNP_P1_225964_41222	NW_004516574.1	Scaffold1348_1	41222	TT	AA	1940486123
SNP_P1_225965_41236	NW_004516574.1	Scaffold1348_1	41236	GG	AA	1940486124
SNP_P1_225967_42660	NW_004516574.1	Scaffold1348_1	42660	GG	CC	1940486125
SNP_P1_225968_42890	NW_004516574.1	Scaffold1348_1	42890	AA	GG	1940486126
SNP_P1_225970_44517	NW_004516574.1	Scaffold1348_1	44517	GG	AA	1940486127
SNP_P1_225971_44613	NW_004516574.1	Scaffold1348_1	44613	AA	CC	1940486128
SNP_P1_225972_44615	NW_004516574.1	Scaffold1348_1	44615	CC	TT	1940486129
SNP_P1_225974_44826	NW_004516574.1	Scaffold1348_1	44826	CC	GG	1940486130
SNP_P1_225976_45376	NW_004516574.1	Scaffold1348_1	45376	TT	AA	1940486131
SNP_P1_225978_45847	NW_004516574.1	Scaffold1348_1	45847	TT	CC	1940486132
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SNP_P1_225981_45961	NW_004516574.1	Scaffold1348_1	45961	GG	AA	1940486134
SNP_P1_225982_46484	NW_004516574.1	Scaffold1348_1	46484	GG	CC	1940486135
SNP_P1_225984_47258	NW_004516574.1	Scaffold1348_1	47258	TT	GG	1940486136
SNP_P1_225985_47285	NW_004516574.1	Scaffold1348_1	47285	GG	AA	1940486137
SNP_P1_225986_48642	NW_004516574.1	Scaffold1348_1	48642	TT	AA	1940486138
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SNP_P1_225989_48883	NW_004516574.1	Scaffold1348_1	48883	TT	AA	1940486141
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SNP_P1_225991_48958	NW_004516574.1	Scaffold1348_1	48958	GG	CC	1940486143
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SNP_P1_225993_49002	NW_004516574.1	Scaffold1348_1	49002	GG	CC	1940486145
SNP_P1_225994_49163	NW_004516574.1	Scaffold1348_1	49163	CC	TT	1940486146
SNP_P1_225995_49192	NW_004516574.1	Scaffold1348_1	49192	AA	CC	1940486148
SNP_P1_225996_49241	NW_004516574.1	Scaffold1348_1	49241	AA	GG	1940486149
SNP_P1_225997_49260	NW_004516574.1	Scaffold1348_1	49260	AA	CC	1940486150
SNP_P1_225998_49262	NW_004516574.1	Scaffold1348_1	49262	CC	TT	1940486151
SNP_P1_225999_49266	NW_004516574.1	Scaffold1348_1	49266	CC	TT	1940486152
SNP_P1_226000_49284	NW_004516574.1	Scaffold1348_1	49284	TT	GG	1940486153

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226003_49790	NW_004516574.1	Scaffold1348_1	49790	GG	TT	1940486156
SNP_P1_226004_49818	NW_004516574.1	Scaffold1348_1	49818	CC	GG	1940486157
SNP_P1_226005_49884	NW_004516574.1	Scaffold1348_1	49884	CC	TT	1940486158
SNP_P1_226006_49902	NW_004516574.1	Scaffold1348_1	49902	CC	TT	1940486159
SNP_P1_226007_50018	NW_004516574.1	Scaffold1348_1	50018	TT	CC	1940486160
SNP_P1_226008_50101	NW_004516574.1	Scaffold1348_1	50101	TT	AA	1940486161
SNP_P1_226009_50131	NW_004516574.1	Scaffold1348_1	50131	TT	AA	1940486162
SNP_P1_226010_50369	NW_004516574.1	Scaffold1348_1	50369	AA	GG	1940486163
SNP_P1_226011_50398	NW_004516574.1	Scaffold1348_1	50398	CC	AA	1940486164
SNP_P1_226012_50405	NW_004516574.1	Scaffold1348_1	50405	GG	AA	1940486165
SNP_P1_226014_50745	NW_004516574.1	Scaffold1348_1	50745	AA	GG	1940486166
SNP_P1_226015_50761	NW_004516574.1	Scaffold1348_1	50761	GG	TT	1940486167
SNP_P1_226016_50763	NW_004516574.1	Scaffold1348_1	50763	GG	AA	1940486168
SNP_P1_226017_50988	NW_004516574.1	Scaffold1348_1	50988	GG	AA	1940486169
SNP_P1_226018_51049	NW_004516574.1	Scaffold1348_1	51049	TT	CC	1940486170
SNP_P1_226019_57946	NW_004516574.1	Scaffold1348_1	57946	GG	AA	1940486171
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SNP_P1_226021_60270	NW_004516574.1	Scaffold1348_1	60270	TT	AA	1940486173
SNP_P1_226022_60274	NW_004516574.1	Scaffold1348_1	60274	TT	AA	1940486174
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SNP_P1_226024_60959	NW_004516574.1	Scaffold1348_1	60959	GG	AA	1940486176
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SNP_P1_226026_62610	NW_004516574.1	Scaffold1348_1	62610	GG	CC	1940486178
SNP_P1_226027_63851	NW_004516574.1	Scaffold1348_1	63851	AA	CC	1940486179
SNP_P1_226028_64524	NW_004516574.1	Scaffold1348_1	64524	CC	GG	1940486180
SNP_P1_226029_64555	NW_004516574.1	Scaffold1348_1	64555	CC	GG	1940486181
SNP_P1_226032_65791	NW_004516574.1	Scaffold1348_1	65791	GG	CC	1940486182
SNP_P1_226033_65821	NW_004516574.1	Scaffold1348_1	65821	CC	GG	1940486183
SNP_P1_226034_65825	NW_004516574.1	Scaffold1348_1	65825	GG	AA	1940486184
SNP_P1_226035_65848	NW_004516574.1	Scaffold1348_1	65848	TT	CC	1940486185
SNP_P1_226036_65875	NW_004516574.1	Scaffold1348_1	65875	GG	AA	1940486186
SNP_P1_226037_65883	NW_004516574.1	Scaffold1348_1	65883	GG	CC	1940486187
SNP_P1_226038_66137	NW_004516574.1	Scaffold1348_1	66137	AA	TT	1940486188
SNP_P1_226040_66870	NW_004516574.1	Scaffold1348_1	66870	GG	AA	1940486189
SNP_P1_226042_67238	NW_004516574.1	Scaffold1348_1	67238	TT	CC	1940486190
SNP_P1_226043_67376	NW_004516574.1	Scaffold1348_1	67376	GG	TT	1940486191
SNP_P1_226044_67795	NW_004516574.1	Scaffold1348_1	67795	GG	AA	1940486192
SNP_P1_226045_67809	NW_004516574.1	Scaffold1348_1	67809	CC	GG	1940486193
SNP_P1_226046_68229	NW_004516574.1	Scaffold1348_1	68229	GG	CC	1940486194
SNP_P1_226047_68562	NW_004516574.1	Scaffold1348_1	68562	GG	AA	1940486195

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226050_68953	NW_004516574.1	Scaffold1348_1	68953	CC	TT	1940486197
SNP_P1_226051_68974	NW_004516574.1	Scaffold1348_1	68974	GG	AA	1940486198
SNP_P1_226052_70447	NW_004516574.1	Scaffold1348_1	70447	CC	GG	1940486199
SNP_P1_226053_70602	NW_004516574.1	Scaffold1348_1	70602	AA	TT	1940486200
SNP_P1_226055_70818	NW_004516574.1	Scaffold1348_1	70818	TT	CC	1940486201
SNP_P1_226056_70847	NW_004516574.1	Scaffold1348_1	70847	CC	AA	1940486202
SNP_P1_226057_71015	NW_004516574.1	Scaffold1348_1	71015	AA	TT	1940486203
SNP_P1_226058_71723	NW_004516574.1	Scaffold1348_1	71723	GG	CC	1940486204
SNP_P1_226059_72624	NW_004516574.1	Scaffold1348_1	72624	TT	AA	1940486205
SNP_P1_226061_72676	NW_004516574.1	Scaffold1348_1	72676	GG	TT	1940486206
SNP_P1_226062_72915	NW_004516574.1	Scaffold1348_1	72915	TT	CC	1940486207
SNP_P1_226064_73283	NW_004516574.1	Scaffold1348_1	73283	AA	GG	1940486208
SNP_P1_226065_73290	NW_004516574.1	Scaffold1348_1	73290	AA	GG	1940486209
SNP_P1_226066_73421	NW_004516574.1	Scaffold1348_1	73421	GG	AA	1940486210
SNP_P1_226067_73422	NW_004516574.1	Scaffold1348_1	73422	TT	AA	1940486211
SNP_P1_226068_73445	NW_004516574.1	Scaffold1348_1	73445	CC	TT	1940486212
SNP_P1_226069_73637	NW_004516574.1	Scaffold1348_1	73637	CC	TT	1940486213
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SNP_P1_226071_76023	NW_004516574.1	Scaffold1348_1	76023	TT	CC	1940486215
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SNP_P1_226075_76316	NW_004516574.1	Scaffold1348_1	76316	GG	TT	1940486219
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SNP_P1_226079_76364	NW_004516574.1	Scaffold1348_1	76364	CC	TT	1940486223
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SNP_P1_226083_79787	NW_004516574.1	Scaffold1348_1	79787	CC	TT	1940486226
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SNP_P1_226085_81346	NW_004516574.1	Scaffold1348_1	81346	AA	CC	1940486228
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SNP_P1_226087_82996	NW_004516574.1	Scaffold1348_1	82996	GG	CC	1940486230
SNP_P1_226088_84101	NW_004516574.1	Scaffold1348_1	84101	GG	AA	1940486231
SNP_P1_226089_84341	NW_004516574.1	Scaffold1348_1	84341	TT	CC	1940486232
SNP_P1_226090_84994	NW_004516574.1	Scaffold1348_1	84994	AA	CC	1940486233
SNP_P1_226091_86635	NW_004516574.1	Scaffold1348_1	86635	TT	AA	1940486234
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SNP_P1_226093_87994	NW_004516574.1	Scaffold1348_1	87994	TT	GG	1940486236
SNP_P1_226094_88394	NW_004516574.1	Scaffold1348_1	88394	AA	GG	1940486237

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226097_89346	NW_004516574.1	Scaffold1348_1	89346	TT	CC	1940486240
SNP_P1_226098_89519	NW_004516574.1	Scaffold1348_1	89519	TT	AA	1940486241
SNP_P1_226099_89532	NW_004516574.1	Scaffold1348_1	89532	AA	GG	1940486242
SNP_P1_226100_89556	NW_004516574.1	Scaffold1348_1	89556	GG	AA	1940486243
SNP_P1_226102_89641	NW_004516574.1	Scaffold1348_1	89641	AA	TT	1940486244
SNP_P1_226103_89643	NW_004516574.1	Scaffold1348_1	89643	TT	AA	1940486245
SNP_P1_226104_89684	NW_004516574.1	Scaffold1348_1	89684	CC	TT	1940486246
SNP_P1_226105_89806	NW_004516574.1	Scaffold1348_1	89806	AA	CC	1940486247
SNP_P1_226106_89872	NW_004516574.1	Scaffold1348_1	89872	AA	GG	1940486248
SNP_P1_226107_89875	NW_004516574.1	Scaffold1348_1	89875	TT	AA	1940486249
SNP_P1_226108_89877	NW_004516574.1	Scaffold1348_1	89877	TT	CC	1940486250
SNP_P1_226109_89992	NW_004516574.1	Scaffold1348_1	89992	CC	TT	1940486251
SNP_P1_226110_90115	NW_004516574.1	Scaffold1348_1	90115	TT	CC	1940486252
SNP_P1_226111_90393	NW_004516574.1	Scaffold1348_1	90393	AA	GG	1940486253
SNP_P1_226112_90404	NW_004516574.1	Scaffold1348_1	90404	TT	GG	1940486254
SNP_P1_226113_90412	NW_004516574.1	Scaffold1348_1	90412	AA	GG	1940486255
SNP_P1_226114_90452	NW_004516574.1	Scaffold1348_1	90452	GG	AA	1940486256
SNP_P1_226115_90458	NW_004516574.1	Scaffold1348_1	90458	GG	AA	1940486257
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SNP_P1_226122_95322	NW_004516574.1	Scaffold1348_1	95322	TT	CC	1940486263
SNP_P1_226125_96428	NW_004516574.1	Scaffold1348_1	96428	CC	TT	1940486264
SNP_P1_226126_97040	NW_004516574.1	Scaffold1348_1	97040	CC	TT	1940486265
SNP_P1_226127_97080	NW_004516574.1	Scaffold1348_1	97080	TT	CC	1940486266
SNP_P1_226128_97190	NW_004516574.1	Scaffold1348_1	97190	GG	TT	1940486267
SNP_P1_226129_97211	NW_004516574.1	Scaffold1348_1	97211	TT	AA	1940486268
SNP_P1_226130_97218	NW_004516574.1	Scaffold1348_1	97218	TT	AA	1940486269
SNP_P1_226131_97252	NW_004516574.1	Scaffold1348_1	97252	CC	TT	1940486270
SNP_P1_226132_97396	NW_004516574.1	Scaffold1348_1	97396	CC	TT	1940486271
SNP_P1_226133_97410	NW_004516574.1	Scaffold1348_1	97410	TT	CC	1940486272
SNP_P1_226134_97442	NW_004516574.1	Scaffold1348_1	97442	AA	CC	1940486273
SNP_P1_226135_97958	NW_004516574.1	Scaffold1348_1	97958	GG	AA	1940486274
SNP_P1_226136_98347	NW_004516574.1	Scaffold1348_1	98347	GG	AA	1940486275
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SNP_P1_226139_98539	NW_004516574.1	Scaffold1348_1	98539	TT	GG	1940486277
SNP_P1_226141_99310	NW_004516574.1	Scaffold1348_1	99310	AA	GG	1940486278
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226146_99715	NW_004516574.1	Scaffold1348_1	99715	CC	GG	1940486282
SNP_P1_226147_99720	NW_004516574.1	Scaffold1348_1	99720	TT	CC	1940486283
SNP_P1_226148_100291	NW_004516574.1	Scaffold1348_1	100291	GG	AA	1940486284
SNP_P1_226149_100300	NW_004516574.1	Scaffold1348_1	100300	GG	AA	1940486285
SNP_P1_226150_100668	NW_004516574.1	Scaffold1348_1	100668	CC	TT	1940486287
SNP_P1_226151_100728	NW_004516574.1	Scaffold1348_1	100728	TT	CC	1940486288
SNP_P1_226152_100730	NW_004516574.1	Scaffold1348_1	100730	TT	CC	1940486289
SNP_P1_226153_100734	NW_004516574.1	Scaffold1348_1	100734	GG	AA	1940486290
SNP_P1_226154_100767	NW_004516574.1	Scaffold1348_1	100767	CC	TT	1940486291
SNP_P1_226155_100788	NW_004516574.1	Scaffold1348_1	100788	GG	TT	1940486292
SNP_P1_226156_100940	NW_004516574.1	Scaffold1348_1	100940	AA	GG	1940486293
SNP_P1_226157_100968	NW_004516574.1	Scaffold1348_1	100968	AA	CC	1940486294
SNP_P1_226158_100982	NW_004516574.1	Scaffold1348_1	100982	GG	AA	1940486295
SNP_P1_226159_101014	NW_004516574.1	Scaffold1348_1	101014	CC	GG	1940486296
SNP_P1_226160_101070	NW_004516574.1	Scaffold1348_1	101070	AA	GG	1940486297
SNP_P1_226161_101125	NW_004516574.1	Scaffold1348_1	101125	AA	CC	1940486298
SNP_P1_226162_101156	NW_004516574.1	Scaffold1348_1	101156	TT	CC	1940486299
SNP_P1_226163_101420	NW_004516574.1	Scaffold1348_1	101420	CC	TT	1940486300
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SNP_P1_226165_101490	NW_004516574.1	Scaffold1348_1	101490	AA	GG	1940486302
SNP_P1_226166_101702	NW_004516574.1	Scaffold1348_1	101702	GG	TT	1940486303
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SNP_P1_226168_101913	NW_004516574.1	Scaffold1348_1	101913	AA	GG	1940486305
SNP_P1_226169_101996	NW_004516574.1	Scaffold1348_1	101996	GG	AA	1940486306
SNP_P1_226170_102018	NW_004516574.1	Scaffold1348_1	102018	AA	GG	1940486307
SNP_P1_226171_102043	NW_004516574.1	Scaffold1348_1	102043	AA	GG	1940486308
SNP_P1_226172_102056	NW_004516574.1	Scaffold1348_1	102056	TT	AA	1940486309
SNP_P1_226173_102687	NW_004516574.1	Scaffold1348_1	102687	TT	CC	1940486310
SNP_P1_226174_102701	NW_004516574.1	Scaffold1348_1	102701	TT	CC	1940486311
SNP_P1_226175_102793	NW_004516574.1	Scaffold1348_1	102793	GG	AA	1940486312
SNP_P1_226176_102796	NW_004516574.1	Scaffold1348_1	102796	GG	AA	1940486313
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SNP_P1_226178_102991	NW_004516574.1	Scaffold1348_1	102991	AA	GG	1940486315
SNP_P1_226179_103013	NW_004516574.1	Scaffold1348_1	103013	AA	TT	1940486316
SNP_P1_226180_103055	NW_004516574.1	Scaffold1348_1	103055	TT	GG	1940486317
SNP_P1_226181_103263	NW_004516574.1	Scaffold1348_1	103263	AA	GG	1940486318
SNP_P1_226182_103611	NW_004516574.1	Scaffold1348_1	103611	TT	CC	1940486319
SNP_P1_226183_103626	NW_004516574.1	Scaffold1348_1	103626	CC	GG	1940486320
SNP_P1_226184_103627	NW_004516574.1	Scaffold1348_1	103627	GG	AA	1940486321
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226190_106042	NW_004516574.1	Scaffold1348_1	106042	GG	AA	1940486326
SNP_P1_226191_106125	NW_004516574.1	Scaffold1348_1	106125	TT	AA	1940486327
SNP_P1_226192_106408	NW_004516574.1	Scaffold1348_1	106408	AA	GG	1940486328
SNP_P1_226193_106450	NW_004516574.1	Scaffold1348_1	106450	CC	TT	1940486329
SNP_P1_226194_106741	NW_004516574.1	Scaffold1348_1	106741	GG	TT	1940486330
SNP_P1_226195_106853	NW_004516574.1	Scaffold1348_1	106853	AA	GG	1940486331
SNP_P1_226196_107008	NW_004516574.1	Scaffold1348_1	107008	AA	CC	1940486332
SNP_P1_226197_107070	NW_004516574.1	Scaffold1348_1	107070	GG	CC	1940486333
SNP_P1_226199_107730	NW_004516574.1	Scaffold1348_1	107730	AA	GG	1940486334
SNP_P1_226200_109075	NW_004516574.1	Scaffold1348_1	109075	TT	CC	1940486335
SNP_P1_226201_111771	NW_004516574.1	Scaffold1348_1	111771	TT	CC	1940486336
SNP_P1_226202_112478	NW_004516574.1	Scaffold1348_1	112478	CC	AA	1940486337
SNP_P1_226203_114661	NW_004516574.1	Scaffold1348_1	114661	TT	CC	1940486338
SNP_P1_226204_117746	NW_004516574.1	Scaffold1348_1	117746	CC	TT	1940486339
SNP_P1_226205_117768	NW_004516574.1	Scaffold1348_1	117768	GG	AA	1940486340
SNP_P1_226207_119189	NW_004516574.1	Scaffold1348_1	119189	TT	CC	1940486341
SNP_P1_226208_119733	NW_004516574.1	Scaffold1348_1	119733	CC	GG	1940486342
SNP_P1_226209_119747	NW_004516574.1	Scaffold1348_1	119747	AA	TT	1940486343
SNP_P1_226211_119955	NW_004516574.1	Scaffold1348_1	119955	AA	CC	1940486344
SNP_P1_226212_120019	NW_004516574.1	Scaffold1348_1	120019	AA	GG	1940486345
SNP_P1_226213_120206	NW_004516574.1	Scaffold1348_1	120206	GG	AA	1940486346
SNP_P1_226216_122327	NW_004516574.1	Scaffold1348_1	122327	CC	AA	1940486347
SNP_P1_226217_122713	NW_004516574.1	Scaffold1348_1	122713	TT	CC	1940486348
SNP_P1_226218_122880	NW_004516574.1	Scaffold1348_1	122880	TT	CC	1940486349
SNP_P1_226219_123783	NW_004516574.1	Scaffold1348_1	123783	GG	AA	1940486350
SNP_P1_226220_124116	NW_004516574.1	Scaffold1348_1	124116	TT	CC	1940486351
SNP_P1_226221_124866	NW_004516574.1	Scaffold1348_1	124866	AA	TT	1940486352
SNP_P1_226222_124886	NW_004516574.1	Scaffold1348_1	124886	TT	AA	1940486353
SNP_P1_226223_124889	NW_004516574.1	Scaffold1348_1	124889	CC	TT	1940486354
SNP_P1_226224_124901	NW_004516574.1	Scaffold1348_1	124901	GG	AA	1940486355
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SNP_P1_226226_126091	NW_004516574.1	Scaffold1348_1	126091	AA	TT	1940486357
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SNP_P1_226228_126124	NW_004516574.1	Scaffold1348_1	126124	TT	GG	1940486359
SNP_P1_226229_126484	NW_004516574.1	Scaffold1348_1	126484	AA	TT	1940486360
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SNP_P1_226231_128967	NW_004516574.1	Scaffold1348_1	128967	AA	TT	1940486362
SNP_P1_226233_129479	NW_004516574.1	Scaffold1348_1	129479	CC	TT	1940486363
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226236_129755	NW_004516574.1	Scaffold1348_1	129755	GG	AA	1940486366
SNP_P1_226237_129783	NW_004516574.1	Scaffold1348_1	129783	AA	TT	1940486367
SNP_P1_226238_129792	NW_004516574.1	Scaffold1348_1	129792	TT	GG	1940486368
SNP_P1_226239_129819	NW_004516574.1	Scaffold1348_1	129819	AA	TT	1940486369
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SNP_P1_226242_129977	NW_004516574.1	Scaffold1348_1	129977	TT	GG	1940486372
SNP_P1_226243_130196	NW_004516574.1	Scaffold1348_1	130196	AA	GG	1940486373
SNP_P1_226244_130607	NW_004516574.1	Scaffold1348_1	130607	TT	CC	1940486374
SNP_P1_226245_130614	NW_004516574.1	Scaffold1348_1	130614	GG	AA	1940486375
SNP_P1_226246_130642	NW_004516574.1	Scaffold1348_1	130642	GG	TT	1940486376
SNP_P1_226247_130773	NW_004516574.1	Scaffold1348_1	130773	TT	CC	1940486377
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SNP_P1_226249_130799	NW_004516574.1	Scaffold1348_1	130799	TT	GG	1940486379
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SNP_P1_226265_141280	NW_004516574.1	Scaffold1348_1	141280	AA	CC	1940486395
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SNP_P1_226268_142995	NW_004516574.1	Scaffold1348_1	142995	GG	CC	1940486397
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SNP_P1_226272_143687	NW_004516574.1	Scaffold1348_1	143687	GG	AA	1940486401
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SNP_P1_226274_145709	NW_004516574.1	Scaffold1348_1	145709	TT	GG	1940486403
SNP_P1_226275_145715	NW_004516574.1	Scaffold1348_1	145715	CC	GG	1940486404
SNP_P1_226276_146061	NW_004516574.1	Scaffold1348_1	146061	AA	CC	1940486405
SNP_P1_226277_146333	NW_004516574.1	Scaffold1348_1	146333	CC	GG	1940486406

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226280_146882	NW_004516574.1	Scaffold1348_1	146882	GG	AA	1940486409
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SNP_P1_226283_148647	NW_004516574.1	Scaffold1348_1	148647	GG	AA	1940486411
SNP_P1_226284_150117	NW_004516574.1	Scaffold1348_1	150117	TT	CC	1940486412
SNP_P1_226285_150763	NW_004516574.1	Scaffold1348_1	150763	CC	TT	1940486413
SNP_P1_226287_152108	NW_004516574.1	Scaffold1348_1	152108	AA	CC	1940486414
SNP_P1_226289_152466	NW_004516574.1	Scaffold1348_1	152466	AA	TT	1940486415
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SNP_P1_226292_153123	NW_004516574.1	Scaffold1348_1	153123	AA	GG	1940486417
SNP_P1_226293_153133	NW_004516574.1	Scaffold1348_1	153133	GG	AA	1940486418
SNP_P1_226294_153165	NW_004516574.1	Scaffold1348_1	153165	CC	GG	1940486419
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SNP_P1_226305_158245	NW_004516574.1	Scaffold1348_1	158245	AA	GG	1940486429
SNP_P1_226306_158256	NW_004516574.1	Scaffold1348_1	158256	AA	TT	1940486430
SNP_P1_226307_158560	NW_004516574.1	Scaffold1348_1	158560	TT	GG	1940486431
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SNP_P1_226317_161857	NW_004516574.1	Scaffold1348_1	161857	AA	TT	1940486438
SNP_P1_226319_162903	NW_004516574.1	Scaffold1348_1	162903	AA	GG	1940486439
SNP_P1_226320_163202	NW_004516574.1	Scaffold1348_1	163202	CC	TT	1940486440
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SNP_P1_226322_163598	NW_004516574.1	Scaffold1348_1	163598	CC	TT	1940486442
SNP_P1_226323_163643	NW_004516574.1	Scaffold1348_1	163643	TT	CC	1940486444
SNP_P1_226324_163703	NW_004516574.1	Scaffold1348_1	163703	AA	GG	1940486445
SNP_P1_226325_163712	NW_004516574.1	Scaffold1348_1	163712	AA	GG	1940486446
SNP_P1_226326_163925	NW_004516574.1	Scaffold1348_1	163925	TT	AA	1940486447
SNP_P1_226327_164002	NW_004516574.1	Scaffold1348_1	164002	GG	AA	1940486448
SNP_P1_226328_164025	NW_004516574.1	Scaffold1348_1	164025	GG	AA	1940486449

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_226329_164048	NW_004516574.1	Scaffold1348_1	164048	GG	TT	1940486450
SNP_P1_226330_164057	NW_004516574.1	Scaffold1348_1	164057	CC	AA	1940486451
SNP_P1_226331_164154	NW_004516574.1	Scaffold1348_1	164154	AA	GG	1940486452
SNP_P1_226332_164214	NW_004516574.1	Scaffold1348_1	164214	CC	TT	1940486453
SNP_P1_226333_164352	NW_004516574.1	Scaffold1348_1	164352	AA	CC	1940486454
SNP_P1_226334_164358	NW_004516574.1	Scaffold1348_1	164358	CC	AA	1940486455
SNP_P1_226335_164936	NW_004516574.1	Scaffold1348_1	164936	CC	TT	1940486456
SNP_P1_226336_165050	NW_004516574.1	Scaffold1348_1	165050	TT	CC	1940486457
SNP_P1_226337_165330	NW_004516574.1	Scaffold1348_1	165330	AA	TT	1940486458
SNP_P1_226338_165611	NW_004516574.1	Scaffold1348_1	165611	TT	AA	1940486459
SNP_P1_226339_166709	NW_004516574.1	Scaffold1348_1	166709	TT	GG	1940486460
SNP_P1_226340_166879	NW_004516574.1	Scaffold1348_1	166879	TT	CC	1940486461
SNP_P1_226341_167192	NW_004516574.1	Scaffold1348_1	167192	GG	TT	1940486462
SNP_P1_226342_168076	NW_004516574.1	Scaffold1348_1	168076	AA	GG	1940486463
SNP_P1_226343_168226	NW_004516574.1	Scaffold1348_1	168226	TT	GG	1940486464
SNP_P1_226345_169243	NW_004516574.1	Scaffold1348_1	169243	TT	AA	1940486465
SNP_P1_226346_169249	NW_004516574.1	Scaffold1348_1	169249	AA	GG	1940486466
SNP_P1_226347_169252	NW_004516574.1	Scaffold1348_1	169252	AA	GG	1940486467
SNP_P1_226348_169396	NW_004516574.1	Scaffold1348_1	169396	AA	CC	1940486468
SNP_P1_226349_169399	NW_004516574.1	Scaffold1348_1	169399	CC	TT	1940486469
SNP_P1_226350_169416	NW_004516574.1	Scaffold1348_1	169416	AA	GG	1940486470
SNP_P1_226353_169796	NW_004516574.1	Scaffold1348_1	169796	GG	AA	1940486471
SNP_P1_226354_170056	NW_004516574.1	Scaffold1348_1	170056	CC	TT	1940486472
SNP_P1_226355_170095	NW_004516574.1	Scaffold1348_1	170095	AA	TT	1940486473
SNP_P1_226356_170949	NW_004516574.1	Scaffold1348_1	170949	AA	GG	1940486474
SNP_P1_226357_170956	NW_004516574.1	Scaffold1348_1	170956	CC	TT	1940486475
SNP_P1_226359_171075	NW_004516574.1	Scaffold1348_1	171075	AA	GG	1940486476
SNP_P1_226360_171740	NW_004516574.1	Scaffold1348_1	171740	AA	GG	1940486477
SNP_P1_226361_171791	NW_004516574.1	Scaffold1348_1	171791	AA	GG	1940486478
SNP_P1_226362_171810	NW_004516574.1	Scaffold1348_1	171810	GG	AA	1940486479
SNP_P1_226363_171861	NW_004516574.1	Scaffold1348_1	171861	CC	TT	1940486480
SNP_P1_226364_171900	NW_004516574.1	Scaffold1348_1	171900	GG	AA	1940486481
SNP_P1_226365_171942	NW_004516574.1	Scaffold1348_1	171942	AA	GG	1940486482
SNP_P1_226366_171987	NW_004516574.1	Scaffold1348_1	171987	GG	TT	1940486483
SNP_P1_226367_171989	NW_004516574.1	Scaffold1348_1	171989	AA	TT	1940486484
SNP_P1_226368_171991	NW_004516574.1	Scaffold1348_1	171991	AA	CC	1940486485
SNP_P1_226369_171992	NW_004516574.1	Scaffold1348_1	171992	AA	TT	1940486486
SNP_P1_226370_171993	NW_004516574.1	Scaffold1348_1	171993	AA	TT	1940486487
SNP_P1_226371_171995	NW_004516574.1	Scaffold1348_1	171995	GG	AA	1940486488
SNP_P1_226373_172097	NW_004516574.1	Scaffold1348_1	172097	AA	TT	1940486489
SNP_P1_226374_172098	NW_004516574.1	Scaffold1348_1	172098	AA	TT	1940486490
SNP_P1_226375_172099	NW_004516574.1	Scaffold1348_1	172099	TT	AA	1940486491

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226377_172233	NW_004516574.1	Scaffold1348_1	172233	TT	CC	1940486493
SNP_P1_226378_172249	NW_004516574.1	Scaffold1348_1	172249	CC	AA	1940486494
SNP_P1_226379_172265	NW_004516574.1	Scaffold1348_1	172265	TT	GG	1940486495
SNP_P1_226380_172274	NW_004516574.1	Scaffold1348_1	172274	CC	TT	1940486496
SNP_P1_226381_172290	NW_004516574.1	Scaffold1348_1	172290	TT	CC	1940486497
SNP_P1_226383_174382	NW_004516574.1	Scaffold1348_1	174382	GG	AA	1940486498
SNP_P1_226384_174422	NW_004516574.1	Scaffold1348_1	174422	CC	TT	1940486499
SNP_P1_226385_174556	NW_004516574.1	Scaffold1348_1	174556	TT	AA	1940486500
SNP_P1_226386_174620	NW_004516574.1	Scaffold1348_1	174620	TT	GG	1940486501
SNP_P1_226387_174628	NW_004516574.1	Scaffold1348_1	174628	GG	CC	1940486502
SNP_P1_226388_174639	NW_004516574.1	Scaffold1348_1	174639	CC	AA	1940486503
SNP_P1_226389_174736	NW_004516574.1	Scaffold1348_1	174736	TT	GG	1940486504
SNP_P1_226390_175362	NW_004516574.1	Scaffold1348_1	175362	AA	CC	1940486505
SNP_P1_226391_175403	NW_004516574.1	Scaffold1348_1	175403	CC	GG	1940486506
SNP_P1_226392_176187	NW_004516574.1	Scaffold1348_1	176187	GG	TT	1940486507
SNP_P1_226393_176469	NW_004516574.1	Scaffold1348_1	176469	AA	TT	1940486508
SNP_P1_226394_176848	NW_004516574.1	Scaffold1348_1	176848	TT	CC	1940486509
SNP_P1_226395_177429	NW_004516574.1	Scaffold1348_1	177429	CC	GG	1940486510
SNP_P1_226396_177448	NW_004516574.1	Scaffold1348_1	177448	AA	GG	1940486511
SNP_P1_226397_178034	NW_004516574.1	Scaffold1348_1	178034	CC	TT	1940486512
SNP_P1_226399_178921	NW_004516574.1	Scaffold1348_1	178921	GG	AA	1940486513
SNP_P1_226400_178924	NW_004516574.1	Scaffold1348_1	178924	CC	TT	1940486514
SNP_P1_226401_178934	NW_004516574.1	Scaffold1348_1	178934	AA	GG	1940486515
SNP_P1_226402_178959	NW_004516574.1	Scaffold1348_1	178959	AA	CC	1940486516
SNP_P1_226403_179587	NW_004516574.1	Scaffold1348_1	179587	TT	AA	1940486517
SNP_P1_226406_182370	NW_004516574.1	Scaffold1348_1	182370	CC	TT	1940486518
SNP_P1_226409_186756	NW_004516574.1	Scaffold1348_1	186756	AA	CC	1940486519
SNP_P1_226410_186762	NW_004516574.1	Scaffold1348_1	186762	AA	TT	1940486520
SNP_P1_226411_187287	NW_004516574.1	Scaffold1348_1	187287	AA	GG	1940486521
SNP_P1_226412_187895	NW_004516574.1	Scaffold1348_1	187895	CC	AA	1940486522
SNP_P1_226413_188386	NW_004516574.1	Scaffold1348_1	188386	GG	CC	1940486523
SNP_P1_226415_190081	NW_004516574.1	Scaffold1348_1	190081	GG	AA	1940486524
SNP_P1_226416_191180	NW_004516574.1	Scaffold1348_1	191180	CC	TT	1940486525
SNP_P1_226417_191732	NW_004516574.1	Scaffold1348_1	191732	AA	GG	1940486526
SNP_P1_226418_192004	NW_004516574.1	Scaffold1348_1	192004	GG	TT	1940486527
SNP_P1_226419_192005	NW_004516574.1	Scaffold1348_1	192005	GG	AA	1940486528
SNP_P1_226420_192372	NW_004516574.1	Scaffold1348_1	192372	TT	CC	1940486529
SNP_P1_226421_192407	NW_004516574.1	Scaffold1348_1	192407	CC	TT	1940486530
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SNP_P1_226423_192761	NW_004516574.1	Scaffold1348_1	192761	TT	CC	1940486532
SNP_P1_226424_193005	NW_004516574.1	Scaffold1348_1	193005	TT	CC	1940486533

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226426_194505	NW_004516574.1	Scaffold1348_1	194505	TT	CC	1940486535
SNP_P1_226427_194511	NW_004516574.1	Scaffold1348_1	194511	TT	AA	1940486536
SNP_P1_226428_194535	NW_004516574.1	Scaffold1348_1	194535	CC	TT	1940486537
SNP_P1_226429_194559	NW_004516574.1	Scaffold1348_1	194559	TT	GG	1940486538
SNP_P1_226430_194635	NW_004516574.1	Scaffold1348_1	194635	CC	AA	1940486539
SNP_P1_226431_194639	NW_004516574.1	Scaffold1348_1	194639	CC	GG	1940486540
SNP_P1_226432_194658	NW_004516574.1	Scaffold1348_1	194658	GG	AA	1940486541
SNP_P1_226433_195121	NW_004516574.1	Scaffold1348_1	195121	TT	CC	1940486542
SNP_P1_226434_195131	NW_004516574.1	Scaffold1348_1	195131	GG	TT	1940486543
SNP_P1_226435_195906	NW_004516574.1	Scaffold1348_1	195906	GG	CC	1940486544
SNP_P1_226436_195911	NW_004516574.1	Scaffold1348_1	195911	AA	GG	1940486545
SNP_P1_226437_195914	NW_004516574.1	Scaffold1348_1	195914	AA	TT	1940486546
SNP_P1_226438_196959	NW_004516574.1	Scaffold1348_1	196959	AA	GG	1940486547
SNP_P1_226439_197264	NW_004516574.1	Scaffold1348_1	197264	GG	CC	1940486548
SNP_P1_226440_197981	NW_004516574.1	Scaffold1348_1	197981	GG	AA	1940486549
SNP_P1_226441_198310	NW_004516574.1	Scaffold1348_1	198310	AA	CC	1940486550
SNP_P1_226442_198611	NW_004516574.1	Scaffold1348_1	198611	AA	TT	1940486551
SNP_P1_226443_198626	NW_004516574.1	Scaffold1348_1	198626	AA	CC	1940486552
SNP_P1_226444_198903	NW_004516574.1	Scaffold1348_1	198903	GG	AA	1940486553
SNP_P1_226445_198928	NW_004516574.1	Scaffold1348_1	198928	TT	CC	1940486554
SNP_P1_226446_198957	NW_004516574.1	Scaffold1348_1	198957	TT	CC	1940486555
SNP_P1_226448_201408	NW_004516574.1	Scaffold1348_1	201408	TT	CC	1940486556
SNP_P1_226449_201448	NW_004516574.1	Scaffold1348_1	201448	TT	GG	1940486557
SNP_P1_226450_201756	NW_004516574.1	Scaffold1348_1	201756	TT	CC	1940486558
SNP_P1_226451_202068	NW_004516574.1	Scaffold1348_1	202068	CC	AA	1940486559
SNP_P1_226452_202091	NW_004516574.1	Scaffold1348_1	202091	AA	TT	1940486560
SNP_P1_226453_203143	NW_004516574.1	Scaffold1348_1	203143	AA	GG	1940486561
SNP_P1_226455_203535	NW_004516574.1	Scaffold1348_1	203535	CC	AA	1940486562
SNP_P1_226456_203554	NW_004516574.1	Scaffold1348_1	203554	TT	GG	1940486563
SNP_P1_226457_205829	NW_004516574.1	Scaffold1348_1	205829	CC	AA	1940486564
SNP_P1_226458_205917	NW_004516574.1	Scaffold1348_1	205917	GG	AA	1940486565
SNP_P1_226459_205942	NW_004516574.1	Scaffold1348_1	205942	CC	GG	1940486566
SNP_P1_226460_205953	NW_004516574.1	Scaffold1348_1	205953	CC	TT	1940486567
SNP_P1_226461_205994	NW_004516574.1	Scaffold1348_1	205994	TT	CC	1940486568
SNP_P1_226462_206328	NW_004516574.1	Scaffold1348_1	206328	CC	TT	1940486569
SNP_P1_226463_206790	NW_004516574.1	Scaffold1348_1	206790	GG	AA	1940486570
SNP_P1_226464_207011	NW_004516574.1	Scaffold1348_1	207011	AA	GG	1940486571
SNP_P1_226465_208030	NW_004516574.1	Scaffold1348_1	208030	GG	CC	1940486572
SNP_P1_226466_209553	NW_004516574.1	Scaffold1348_1	209553	GG	AA	1940486573
SNP_P1_226467_209563	NW_004516574.1	Scaffold1348_1	209563	AA	CC	1940486574
SNP_P1_226469_209842	NW_004516574.1	Scaffold1348_1	209842	AA	TT	1940486575

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226472_211909	NW_004516574.1	Scaffold1348_1	211909	AA	GG	1940486577
SNP_P1_226473_212191	NW_004516574.1	Scaffold1348_1	212191	AA	GG	1940486578
SNP_P1_226474_212488	NW_004516574.1	Scaffold1348_1	212488	AA	TT	1940486579
SNP_P1_226475_212550	NW_004516574.1	Scaffold1348_1	212550	AA	GG	1940486580
SNP_P1_226476_215925	NW_004516574.1	Scaffold1348_1	215925	CC	TT	1940486581
SNP_P1_226477_216035	NW_004516574.1	Scaffold1348_1	216035	AA	GG	1940486582
SNP_P1_226478_218496	NW_004516574.1	Scaffold1348_1	218496	CC	AA	1940486583
SNP_P1_226479_218682	NW_004516574.1	Scaffold1348_1	218682	CC	AA	1940486584
SNP_P1_226480_218710	NW_004516574.1	Scaffold1348_1	218710	GG	AA	1940486585
SNP_P1_226482_219003	NW_004516574.1	Scaffold1348_1	219003	AA	GG	1940486586
SNP_P1_226484_219576	NW_004516574.1	Scaffold1348_1	219576	TT	AA	1940486587
SNP_P1_226485_219589	NW_004516574.1	Scaffold1348_1	219589	AA	TT	1940486588
SNP_P1_226486_219622	NW_004516574.1	Scaffold1348_1	219622	GG	AA	1940486589
SNP_P1_226487_220453	NW_004516574.1	Scaffold1348_1	220453	TT	AA	1940486590
SNP_P1_226488_220478	NW_004516574.1	Scaffold1348_1	220478	GG	AA	1940486591
SNP_P1_226489_220612	NW_004516574.1	Scaffold1348_1	220612	TT	CC	1940486593
SNP_P1_226490_220644	NW_004516574.1	Scaffold1348_1	220644	TT	CC	1940486594
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SNP_P1_226495_220968	NW_004516574.1	Scaffold1348_1	220968	GG	AA	1940486598
SNP_P1_226496_220977	NW_004516574.1	Scaffold1348_1	220977	TT	AA	1940486599
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SNP_P1_226503_222795	NW_004516574.1	Scaffold1348_1	222795	TT	AA	1940486604
SNP_P1_226505_224204	NW_004516574.1	Scaffold1348_1	224204	TT	CC	1940486605
SNP_P1_226506_224282	NW_004516574.1	Scaffold1348_1	224282	GG	AA	1940486606
SNP_P1_226507_224283	NW_004516574.1	Scaffold1348_1	224283	TT	CC	1940486607
SNP_P1_226508_224418	NW_004516574.1	Scaffold1348_1	224418	GG	CC	1940486608
SNP_P1_226509_224468	NW_004516574.1	Scaffold1348_1	224468	TT	CC	1940486609
SNP_P1_226510_224470	NW_004516574.1	Scaffold1348_1	224470	TT	CC	1940486610
SNP_P1_226511_224546	NW_004516574.1	Scaffold1348_1	224546	GG	CC	1940486611
SNP_P1_226512_224652	NW_004516574.1	Scaffold1348_1	224652	GG	AA	1940486612
SNP_P1_226513_224675	NW_004516574.1	Scaffold1348_1	224675	TT	GG	1940486613
SNP_P1_226514_224704	NW_004516574.1	Scaffold1348_1	224704	CC	TT	1940486614
SNP_P1_226515_224866	NW_004516574.1	Scaffold1348_1	224866	CC	AA	1940486615
SNP_P1_226517_224906	NW_004516574.1	Scaffold1348_1	224906	TT	AA	1940486616
SNP_P1_226518_224908	NW_004516574.1	Scaffold1348_1	224908	TT	AA	1940486617
SNP_P1_226519_224916	NW_004516574.1	Scaffold1348_1	224916	GG	CC	1940486618

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226521_227302	NW_004516574.1	Scaffold1348_1	227302	AA	GG	1940486620
SNP_P1_226522_227332	NW_004516574.1	Scaffold1348_1	227332	CC	TT	1940486621
SNP_P1_226523_227333	NW_004516574.1	Scaffold1348_1	227333	GG	AA	1940486622
SNP_P1_226524_227763	NW_004516574.1	Scaffold1348_1	227763	AA	CC	1940486623
SNP_P1_226525_227910	NW_004516574.1	Scaffold1348_1	227910	GG	AA	1940486624
SNP_P1_226526_227912	NW_004516574.1	Scaffold1348_1	227912	AA	GG	1940486625
SNP_P1_226527_228203	NW_004516574.1	Scaffold1348_1	228203	CC	TT	1940486626
SNP_P1_226528_228206	NW_004516574.1	Scaffold1348_1	228206	TT	AA	1940486627
SNP_P1_226529_228388	NW_004516574.1	Scaffold1348_1	228388	GG	TT	1940486628
SNP_P1_226530_228595	NW_004516574.1	Scaffold1348_1	228595	GG	AA	1940486629
SNP_P1_226531_228601	NW_004516574.1	Scaffold1348_1	228601	AA	GG	1940486630
SNP_P1_226532_228607	NW_004516574.1	Scaffold1348_1	228607	AA	GG	1940486631
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SNP_P1_226537_229148	NW_004516574.1	Scaffold1348_1	229148	TT	AA	1940486636
SNP_P1_226538_229435	NW_004516574.1	Scaffold1348_1	229435	CC	TT	1940486637
SNP_P1_226539_229504	NW_004516574.1	Scaffold1348_1	229504	GG	AA	1940486638
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SNP_P1_226542_232881	NW_004516574.1	Scaffold1348_1	232881	CC	TT	1940486641
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SNP_P1_226547_233808	NW_004516574.1	Scaffold1348_1	233808	TT	CC	1940486645
SNP_P1_226548_233872	NW_004516574.1	Scaffold1348_1	233872	CC	TT	1940486646
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SNP_P1_226550_234469	NW_004516574.1	Scaffold1348_1	234469	CC	TT	1940486648
SNP_P1_226551_234513	NW_004516574.1	Scaffold1348_1	234513	TT	CC	1940486649
SNP_P1_226552_234706	NW_004516574.1	Scaffold1348_1	234706	GG	AA	1940486650
SNP_P1_226553_235648	NW_004516574.1	Scaffold1348_1	235648	GG	AA	1940486651
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SNP_P1_226555_235676	NW_004516574.1	Scaffold1348_1	235676	TT	AA	1940486653
SNP_P1_226558_237360	NW_004516574.1	Scaffold1348_1	237360	CC	TT	1940486654
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SNP_P1_226560_237532	NW_004516574.1	Scaffold1348_1	237532	TT	CC	1940486656
SNP_P1_226562_238445	NW_004516574.1	Scaffold1348_1	238445	CC	GG	1940486657
SNP_P1_226563_239818	NW_004516574.1	Scaffold1348_1	239818	CC	TT	1940486658
SNP_P1_226565_239875	NW_004516574.1	Scaffold1348_1	239875	AA	CC	1940486659
SNP_P1_226566_240611	NW_004516574.1	Scaffold1348_1	240611	CC	TT	1940486660

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226568_241846	NW_004516574.1	Scaffold1348_1	241846	AA	GG	1940486662
SNP_P1_226569_241879	NW_004516574.1	Scaffold1348_1	241879	TT	AA	1940486663
SNP_P1_226570_242392	NW_004516574.1	Scaffold1348_1	242392	TT	GG	1940486664
SNP_P1_226571_244004	NW_004516574.1	Scaffold1348_1	244004	TT	CC	1940486665
SNP_P1_226572_244044	NW_004516574.1	Scaffold1348_1	244044	CC	GG	1940486666
SNP_P1_226573_244177	NW_004516574.1	Scaffold1348_1	244177	AA	GG	1940486667
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SNP_P1_226577_245339	NW_004516574.1	Scaffold1348_1	245339	GG	TT	1940486670
SNP_P1_226578_245366	NW_004516574.1	Scaffold1348_1	245366	GG	AA	1940486671
SNP_P1_226579_245371	NW_004516574.1	Scaffold1348_1	245371	CC	TT	1940486672
SNP_P1_226580_245935	NW_004516574.1	Scaffold1348_1	245935	CC	TT	1940486673
SNP_P1_226581_246449	NW_004516574.1	Scaffold1348_1	246449	CC	TT	1940486674
SNP_P1_226582_246702	NW_004516574.1	Scaffold1348_1	246702	AA	GG	1940486675
SNP_P1_226583_246734	NW_004516574.1	Scaffold1348_1	246734	AA	GG	1940486676
SNP_P1_226584_246740	NW_004516574.1	Scaffold1348_1	246740	GG	AA	1940486677
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SNP_P1_226586_246862	NW_004516574.1	Scaffold1348_1	246862	TT	CC	1940486679
SNP_P1_226587_246885	NW_004516574.1	Scaffold1348_1	246885	AA	TT	1940486680
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SNP_P1_226596_248714	NW_004516574.1	Scaffold1348_1	248714	GG	AA	1940486689
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SNP_P1_226598_250135	NW_004516574.1	Scaffold1348_1	250135	TT	CC	1940486691
SNP_P1_226599_250218	NW_004516574.1	Scaffold1348_1	250218	TT	CC	1940486692
SNP_P1_226600_250235	NW_004516574.1	Scaffold1348_1	250235	CC	TT	1940486693
SNP_P1_226601_250261	NW_004516574.1	Scaffold1348_1	250261	CC	TT	1940486694
SNP_P1_226602_250283	NW_004516574.1	Scaffold1348_1	250283	TT	CC	1940486695
SNP_P1_226603_250415	NW_004516574.1	Scaffold1348_1	250415	CC	TT	1940486696
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SNP_P1_226605_250470	NW_004516574.1	Scaffold1348_1	250470	TT	CC	1940486698
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SNP_P1_226607_250621	NW_004516574.1	Scaffold1348_1	250621	AA	TT	1940486700
SNP_P1_226608_250639	NW_004516574.1	Scaffold1348_1	250639	TT	CC	1940486701
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226614_258421	NW_004516574.1	Scaffold1348_1	258421	CC	AA	1940486706
SNP_P1_226615_259579	NW_004516574.1	Scaffold1348_1	259579	AA	GG	1940486707
SNP_P1_226616_259844	NW_004516574.1	Scaffold1348_1	259844	CC	TT	1940486708
SNP_P1_226617_260133	NW_004516574.1	Scaffold1348_1	260133	GG	AA	1940486709
SNP_P1_226618_260218	NW_004516574.1	Scaffold1348_1	260218	AA	TT	1940486710
SNP_P1_226620_261011	NW_004516574.1	Scaffold1348_1	261011	TT	CC	1940486711
SNP_P1_226621_261904	NW_004516574.1	Scaffold1348_1	261904	AA	GG	1940486712
SNP_P1_226622_261922	NW_004516574.1	Scaffold1348_1	261922	CC	TT	1940486713
SNP_P1_226623_261929	NW_004516574.1	Scaffold1348_1	261929	AA	GG	1940486714
SNP_P1_226624_261950	NW_004516574.1	Scaffold1348_1	261950	TT	CC	1940486715
SNP_P1_226625_262048	NW_004516574.1	Scaffold1348_1	262048	GG	TT	1940486716
SNP_P1_226626_262054	NW_004516574.1	Scaffold1348_1	262054	GG	AA	1940486717
SNP_P1_226627_262061	NW_004516574.1	Scaffold1348_1	262061	AA	TT	1940486718
SNP_P1_226628_262101	NW_004516574.1	Scaffold1348_1	262101	GG	AA	1940486719
SNP_P1_226629_262203	NW_004516574.1	Scaffold1348_1	262203	TT	GG	1940486720
SNP_P1_226630_262223	NW_004516574.1	Scaffold1348_1	262223	TT	CC	1940486721
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SNP_P1_226632_263826	NW_004516574.1	Scaffold1348_1	263826	AA	TT	1940486723
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SNP_P1_226634_265923	NW_004516574.1	Scaffold1348_1	265923	CC	AA	1940486725
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SNP_P1_226637_267574	NW_004516574.1	Scaffold1348_1	267574	AA	CC	1940486728
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SNP_P1_226641_269687	NW_004516574.1	Scaffold1348_1	269687	TT	CC	1940486732
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SNP_P1_226643_270275	NW_004516574.1	Scaffold1348_1	270275	AA	GG	1940486734
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SNP_P1_226647_274177	NW_004516574.1	Scaffold1348_1	274177	AA	GG	1940486738
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SNP_P1_226649_274963	NW_004516574.1	Scaffold1348_1	274963	AA	GG	1940486740
SNP_P1_226650_276968	NW_004516574.1	Scaffold1348_1	276968	GG	AA	1940486741
SNP_P1_226651_277007	NW_004516574.1	Scaffold1348_1	277007	AA	GG	1940486742
SNP_P1_226653_278013	NW_004516574.1	Scaffold1348_1	278013	AA	CC	1940486743
SNP_P1_226654_278038	NW_004516574.1	Scaffold1348_1	278038	CC	GG	1940486744

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226659_279769	NW_004516574.1	Scaffold1348_1	279769	TT	GG	1940486748
SNP_P1_226660_279825	NW_004516574.1	Scaffold1348_1	279825	CC	TT	1940486750
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SNP_P1_226663_280002	NW_004516574.1	Scaffold1348_1	280002	TT	AA	1940486752
SNP_P1_226665_280355	NW_004516574.1	Scaffold1348_1	280355	TT	CC	1940486753
SNP_P1_226666_280589	NW_004516574.1	Scaffold1348_1	280589	GG	AA	1940486754
SNP_P1_226667_280813	NW_004516574.1	Scaffold1348_1	280813	AA	GG	1940486755
SNP_P1_226668_281654	NW_004516574.1	Scaffold1348_1	281654	CC	AA	1940486756
SNP_P1_226670_281879	NW_004516574.1	Scaffold1348_1	281879	CC	TT	1940486757
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SNP_P1_226672_282340	NW_004516574.1	Scaffold1348_1	282340	TT	CC	1940486759
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SNP_P1_226676_283845	NW_004516574.1	Scaffold1348_1	283845	CC	TT	1940486763
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SNP_P1_226681_284577	NW_004516574.1	Scaffold1348_1	284577	TT	GG	1940486767
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226709_292830	NW_004516574.1	Scaffold1348_1	292830	CC	TT	1940486791
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SNP_P1_226712_293948	NW_004516574.1	Scaffold1348_1	293948	CC	TT	1940486794
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SNP_P1_226750_315228	NW_004516574.1	Scaffold1348_1	315228	TT	GG	1940486826
SNP_P1_226751_315260	NW_004516574.1	Scaffold1348_1	315260	CC	GG	1940486827
SNP_P1_226752_315286	NW_004516574.1	Scaffold1348_1	315286	GG	AA	1940486828
SNP_P1_226753_315342	NW_004516574.1	Scaffold1348_1	315342	TT	CC	1940486829

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226755_315362	NW_004516574.1	Scaffold1348_1	315362	GG	AA	1940486831
SNP_P1_226756_315379	NW_004516574.1	Scaffold1348_1	315379	CC	TT	1940486832
SNP_P1_226757_315511	NW_004516574.1	Scaffold1348_1	315511	TT	GG	1940486833
SNP_P1_226758_315711	NW_004516574.1	Scaffold1348_1	315711	GG	AA	1940486834
SNP_P1_226759_315717	NW_004516574.1	Scaffold1348_1	315717	TT	CC	1940486835
SNP_P1_226760_315722	NW_004516574.1	Scaffold1348_1	315722	TT	CC	1940486836
SNP_P1_226761_316000	NW_004516574.1	Scaffold1348_1	316000	CC	TT	1940486837
SNP_P1_226762_316112	NW_004516574.1	Scaffold1348_1	316112	AA	GG	1940486838
SNP_P1_226763_316121	NW_004516574.1	Scaffold1348_1	316121	AA	TT	1940486839
SNP_P1_226764_316152	NW_004516574.1	Scaffold1348_1	316152	AA	GG	1940486840
SNP_P1_226765_316174	NW_004516574.1	Scaffold1348_1	316174	TT	CC	1940486841
SNP_P1_226766_316182	NW_004516574.1	Scaffold1348_1	316182	TT	CC	1940486842
SNP_P1_226767_316686	NW_004516574.1	Scaffold1348_1	316686	AA	CC	1940486843
SNP_P1_226768_316989	NW_004516574.1	Scaffold1348_1	316989	GG	CC	1940486844
SNP_P1_226769_317105	NW_004516574.1	Scaffold1348_1	317105	TT	GG	1940486845
SNP_P1_226770_317371	NW_004516574.1	Scaffold1348_1	317371	GG	AA	1940486846
SNP_P1_226771_317691	NW_004516574.1	Scaffold1348_1	317691	GG	AA	1940486847
SNP_P1_226772_317699	NW_004516574.1	Scaffold1348_1	317699	CC	TT	1940486848
SNP_P1_226773_317927	NW_004516574.1	Scaffold1348_1	317927	GG	TT	1940486849
SNP_P1_226774_317931	NW_004516574.1	Scaffold1348_1	317931	CC	TT	1940486850
SNP_P1_226775_318824	NW_004516574.1	Scaffold1348_1	318824	CC	TT	1940486851
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SNP_P1_226784_321035	NW_004516574.1	Scaffold1348_1	321035	GG	CC	1940486860
SNP_P1_226785_321415	NW_004516574.1	Scaffold1348_1	321415	CC	AA	1940486861
SNP_P1_226787_322834	NW_004516574.1	Scaffold1348_1	322834	AA	GG	1940486862
SNP_P1_226788_323224	NW_004516574.1	Scaffold1348_1	323224	CC	AA	1940486863
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SNP_P1_226792_326809	NW_004516574.1	Scaffold1348_1	326809	CC	TT	1940486867
SNP_P1_226793_327433	NW_004516574.1	Scaffold1348_1	327433	CC	TT	1940486868
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SNP_P1_226795_327483	NW_004516574.1	Scaffold1348_1	327483	AA	GG	1940486870
SNP_P1_226797_328051	NW_004516574.1	Scaffold1348_1	328051	GG	AA	1940486871

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226799_329028	NW_004516574.1	Scaffold1348_1	329028	AA	GG	1940486873
SNP_P1_226800_329101	NW_004516574.1	Scaffold1348_1	329101	TT	AA	1940486874
SNP_P1_226801_329139	NW_004516574.1	Scaffold1348_1	329139	CC	TT	1940486875
SNP_P1_226802_329648	NW_004516574.1	Scaffold1348_1	329648	GG	AA	1940486876
SNP_P1_226804_330650	NW_004516574.1	Scaffold1348_1	330650	TT	AA	1940486877
SNP_P1_226805_330898	NW_004516574.1	Scaffold1348_1	330898	AA	GG	1940486878
SNP_P1_226806_330914	NW_004516574.1	Scaffold1348_1	330914	CC	TT	1940486879
SNP_P1_226807_331770	NW_004516574.1	Scaffold1348_1	331770	TT	CC	1940486880
SNP_P1_226809_333448	NW_004516574.1	Scaffold1348_1	333448	TT	CC	1940486881
SNP_P1_226811_333909	NW_004516574.1	Scaffold1348_1	333909	TT	CC	1940486883
SNP_P1_226812_334032	NW_004516574.1	Scaffold1348_1	334032	TT	CC	1940486884
SNP_P1_226813_334151	NW_004516574.1	Scaffold1348_1	334151	AA	TT	1940486885
SNP_P1_226818_335269	NW_004516574.1	Scaffold1348_1	335269	GG	AA	1940486886
SNP_P1_226819_335485	NW_004516574.1	Scaffold1348_1	335485	GG	TT	1940486887
SNP_P1_226820_336203	NW_004516574.1	Scaffold1348_1	336203	AA	TT	1940486888
SNP_P1_226821_336233	NW_004516574.1	Scaffold1348_1	336233	AA	TT	1940486889
SNP_P1_226822_338260	NW_004516574.1	Scaffold1348_1	338260	CC	TT	1940486890
SNP_P1_226823_338266	NW_004516574.1	Scaffold1348_1	338266	TT	AA	1940486891
SNP_P1_226824_338392	NW_004516574.1	Scaffold1348_1	338392	TT	CC	1940486892
SNP_P1_226825_338758	NW_004516574.1	Scaffold1348_1	338758	AA	GG	1940486893
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SNP_P1_226827_339715	NW_004516574.1	Scaffold1348_1	339715	AA	GG	1940486895
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SNP_P1_226830_340608	NW_004516574.1	Scaffold1348_1	340608	CC	AA	1940486898
SNP_P1_226831_340827	NW_004516574.1	Scaffold1348_1	340827	GG	AA	1940486899
SNP_P1_226832_340875	NW_004516574.1	Scaffold1348_1	340875	AA	GG	1940486900
SNP_P1_226833_341028	NW_004516574.1	Scaffold1348_1	341028	TT	CC	1940486901
SNP_P1_226834_341039	NW_004516574.1	Scaffold1348_1	341039	TT	CC	1940486902
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SNP_P1_226836_341080	NW_004516574.1	Scaffold1348_1	341080	TT	AA	1940486904
SNP_P1_226837_341134	NW_004516574.1	Scaffold1348_1	341134	TT	CC	1940486905
SNP_P1_226838_341135	NW_004516574.1	Scaffold1348_1	341135	CC	TT	1940486906
SNP_P1_226839_341139	NW_004516574.1	Scaffold1348_1	341139	CC	GG	1940486907
SNP_P1_226840_341143	NW_004516574.1	Scaffold1348_1	341143	CC	TT	1940486908
SNP_P1_226841_341151	NW_004516574.1	Scaffold1348_1	341151	TT	CC	1940486909
SNP_P1_226845_343060	NW_004516574.1	Scaffold1348_1	343060	AA	TT	1940486910
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SNP_P1_226847_343062	NW_004516574.1	Scaffold1348_1	343062	AA	TT	1940486912
SNP_P1_226848_343063	NW_004516574.1	Scaffold1348_1	343063	AA	TT	1940486913
SNP_P1_226849_344958	NW_004516574.1	Scaffold1348_1	344958	GG	TT	1940486914

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226851_345888	NW_004516574.1	Scaffold1348_1	345888	TT	GG	1940486916
SNP_P1_226852_346803	NW_004516574.1	Scaffold1348_1	346803	GG	AA	1940486917
SNP_P1_226854_348332	NW_004516574.1	Scaffold1348_1	348332	AA	CC	1940486918
SNP_P1_226855_348382	NW_004516574.1	Scaffold1348_1	348382	CC	AA	1940486919
SNP_P1_226856_348426	NW_004516574.1	Scaffold1348_1	348426	AA	GG	1940486920
SNP_P1_226857_348770	NW_004516574.1	Scaffold1348_1	348770	TT	GG	1940486921
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SNP_P1_226860_349085	NW_004516574.1	Scaffold1348_1	349085	AA	TT	1940486923
SNP_P1_226861_349096	NW_004516574.1	Scaffold1348_1	349096	TT	CC	1940486924
SNP_P1_226862_349116	NW_004516574.1	Scaffold1348_1	349116	CC	TT	1940486925
SNP_P1_226864_349282	NW_004516574.1	Scaffold1348_1	349282	GG	AA	1940486926
SNP_P1_226865_349333	NW_004516574.1	Scaffold1348_1	349333	AA	TT	1940486927
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SNP_P1_226867_350879	NW_004516574.1	Scaffold1348_1	350879	AA	GG	1940486929
SNP_P1_226868_351302	NW_004516574.1	Scaffold1348_1	351302	GG	TT	1940486930
SNP_P1_226869_351430	NW_004516574.1	Scaffold1348_1	351430	CC	AA	1940486931
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SNP_P1_226875_353554	NW_004516574.1	Scaffold1348_1	353554	CC	GG	1940486936
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SNP_P1_226881_354203	NW_004516574.1	Scaffold1348_1	354203	TT	CC	1940486942
SNP_P1_226882_354334	NW_004516574.1	Scaffold1348_1	354334	AA	TT	1940486943
SNP_P1_226883_354540	NW_004516574.1	Scaffold1348_1	354540	AA	GG	1940486944
SNP_P1_226884_354834	NW_004516574.1	Scaffold1348_1	354834	AA	GG	1940486945
SNP_P1_226885_355040	NW_004516574.1	Scaffold1348_1	355040	AA	GG	1940486946
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SNP_P1_226887_356690	NW_004516574.1	Scaffold1348_1	356690	GG	AA	1940486948
SNP_P1_226888_356718	NW_004516574.1	Scaffold1348_1	356718	TT	CC	1940486949
SNP_P1_226889_356807	NW_004516574.1	Scaffold1348_1	356807	GG	AA	1940486950
SNP_P1_226890_356811	NW_004516574.1	Scaffold1348_1	356811	TT	AA	1940486951
SNP_P1_226891_356819	NW_004516574.1	Scaffold1348_1	356819	CC	TT	1940486952
SNP_P1_226894_364402	NW_004516574.1	Scaffold1348_1	364402	CC	TT	1940486953
SNP_P1_226895_364437	NW_004516574.1	Scaffold1348_1	364437	TT	CC	1940486954
SNP_P1_226896_364454	NW_004516574.1	Scaffold1348_1	364454	TT	CC	1940486955
SNP_P1_226897_364455	NW_004516574.1	Scaffold1348_1	364455	GG	AA	1940486956

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226901_365671	NW_004516574.1	Scaffold1348_1	365671	AA	CC	1940486960
SNP_P1_226902_365694	NW_004516574.1	Scaffold1348_1	365694	GG	CC	1940486961
SNP_P1_226903_365840	NW_004516574.1	Scaffold1348_1	365840	CC	TT	1940486962
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SNP_P1_226905_366403	NW_004516574.1	Scaffold1348_1	366403	AA	GG	1940486964
SNP_P1_226907_366957	NW_004516574.1	Scaffold1348_1	366957	GG	AA	1940486965
SNP_P1_226908_367813	NW_004516574.1	Scaffold1348_1	367813	GG	TT	1940486966
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SNP_P1_226917_370205	NW_004516574.1	Scaffold1348_1	370205	AA	GG	1940486973
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SNP_P1_226941_386478	NW_004516574.1	Scaffold1348_1	386478	AA	GG	1940486994
SNP_P1_226942_386577	NW_004516574.1	Scaffold1348_1	386577	AA	CC	1940486995
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SNP_P1_226944_386616	NW_004516574.1	Scaffold1348_1	386616	TT	GG	1940486997
SNP_P1_226945_386781	NW_004516574.1	Scaffold1348_1	386781	AA	GG	1940486998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_226948_387333	NW_004516574.1	Scaffold1348_1	387333	CC	TT	1940487001
SNP_P1_226949_387543	NW_004516574.1	Scaffold1348_1	387543	TT	CC	1940487002
SNP_P1_226953_391792	NW_004516574.1	Scaffold1348_1	391792	GG	AA	1940487003
SNP_P1_226954_391795	NW_004516574.1	Scaffold1348_1	391795	CC	TT	1940487004
SNP_P1_226956_392481	NW_004516574.1	Scaffold1348_1	392481	GG	AA	1940487005
SNP_P1_226957_392718	NW_004516574.1	Scaffold1348_1	392718	CC	TT	1940487006
SNP_P1_226958_392726	NW_004516574.1	Scaffold1348_1	392726	AA	GG	1940487007
SNP_P1_226960_394492	NW_004516574.1	Scaffold1348_1	394492	CC	TT	1940487008
SNP_P1_226961_394522	NW_004516574.1	Scaffold1348_1	394522	TT	CC	1940487009
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SNP_P1_226966_394641	NW_004516574.1	Scaffold1348_1	394641	CC	GG	1940487014
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SNP_P1_226969_395473	NW_004516574.1	Scaffold1348_1	395473	CC	TT	1940487017
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SNP_P1_226973_396586	NW_004516574.1	Scaffold1348_1	396586	AA	GG	1940487019
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SNP_P1_226975_396595	NW_004516574.1	Scaffold1348_1	396595	GG	AA	1940487021
SNP_P1_226976_396806	NW_004516574.1	Scaffold1348_1	396806	CC	TT	1940487022
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SNP_P1_226979_397029	NW_004516574.1	Scaffold1348_1	397029	TT	CC	1940487025
SNP_P1_226980_397225	NW_004516574.1	Scaffold1348_1	397225	CC	GG	1940487026
SNP_P1_226981_397277	NW_004516574.1	Scaffold1348_1	397277	CC	GG	1940487027
SNP_P1_226983_399101	NW_004516574.1	Scaffold1348_1	399101	CC	TT	1940487028
SNP_P1_226984_399124	NW_004516574.1	Scaffold1348_1	399124	AA	TT	1940487029
SNP_P1_226985_399137	NW_004516574.1	Scaffold1348_1	399137	TT	AA	1940487030
SNP_P1_226986_399680	NW_004516574.1	Scaffold1348_1	399680	CC	GG	1940487031
SNP_P1_226987_399727	NW_004516574.1	Scaffold1348_1	399727	GG	AA	1940487032
SNP_P1_226989_400029	NW_004516574.1	Scaffold1348_1	400029	AA	TT	1940487033
SNP_P1_226990_400449	NW_004516574.1	Scaffold1348_1	400449	AA	TT	1940487034
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SNP_P1_226993_400698	NW_004516574.1	Scaffold1348_1	400698	GG	AA	1940487037
SNP_P1_226994_400733	NW_004516574.1	Scaffold1348_1	400733	GG	AA	1940487038
SNP_P1_226995_402249	NW_004516574.1	Scaffold1348_1	402249	AA	GG	1940487039
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227000_402532	NW_004516574.1	Scaffold1348_1	402532	CC	TT	1940487045
SNP_P1_227001_402534	NW_004516574.1	Scaffold1348_1	402534	TT	CC	1940487046
SNP_P1_227002_402539	NW_004516574.1	Scaffold1348_1	402539	TT	CC	1940487047
SNP_P1_227003_402706	NW_004516574.1	Scaffold1348_1	402706	CC	TT	1940487048
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SNP_P1_227006_404193	NW_004516574.1	Scaffold1348_1	404193	AA	CC	1940487050
SNP_P1_227007_404223	NW_004516574.1	Scaffold1348_1	404223	AA	TT	1940487051
SNP_P1_227008_404368	NW_004516574.1	Scaffold1348_1	404368	AA	GG	1940487052
SNP_P1_227009_404386	NW_004516574.1	Scaffold1348_1	404386	TT	CC	1940487053
SNP_P1_227010_404946	NW_004516574.1	Scaffold1348_1	404946	GG	AA	1940487054
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SNP_P1_227015_410085	NW_004516574.1	Scaffold1348_1	410085	GG	TT	1940487058
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SNP_P1_227018_411324	NW_004516574.1	Scaffold1348_1	411324	GG	AA	1940487061
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SNP_P1_227028_416018	NW_004516574.1	Scaffold1348_1	416018	CC	AA	1940487070
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SNP_P1_227030_416076	NW_004516574.1	Scaffold1348_1	416076	TT	CC	1940487072
SNP_P1_227031_417781	NW_004516574.1	Scaffold1348_1	417781	TT	CC	1940487073
SNP_P1_227032_418770	NW_004516574.1	Scaffold1348_1	418770	AA	GG	1940487074
SNP_P1_227033_418810	NW_004516574.1	Scaffold1348_1	418810	CC	AA	1940487075
SNP_P1_227034_418812	NW_004516574.1	Scaffold1348_1	418812	AA	GG	1940487076
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SNP_P1_227037_418970	NW_004516574.1	Scaffold1348_1	418970	CC	TT	1940487079
SNP_P1_227038_418975	NW_004516574.1	Scaffold1348_1	418975	AA	TT	1940487080
SNP_P1_227039_419246	NW_004516574.1	Scaffold1348_1	419246	AA	TT	1940487081
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SNP_P1_227041_420920	NW_004516574.1	Scaffold1348_1	420920	GG	TT	1940487083

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227043_420977	NW_004516574.1	Scaffold1348_1	420977	GG	AA	1940487085
SNP_P1_227044_420991	NW_004516574.1	Scaffold1348_1	420991	GG	AA	1940487086
SNP_P1_227045_421141	NW_004516574.1	Scaffold1348_1	421141	AA	CC	1940487087
SNP_P1_227046_422280	NW_004516574.1	Scaffold1348_1	422280	TT	CC	1940487088
SNP_P1_227047_422444	NW_004516574.1	Scaffold1348_1	422444	CC	GG	1940487089
SNP_P1_227048_422868	NW_004516574.1	Scaffold1348_1	422868	TT	GG	1940487090
SNP_P1_227050_423056	NW_004516574.1	Scaffold1348_1	423056	TT	AA	1940487091
SNP_P1_227051_423219	NW_004516574.1	Scaffold1348_1	423219	AA	GG	1940487092
SNP_P1_227053_423277	NW_004516574.1	Scaffold1348_1	423277	AA	GG	1940487093
SNP_P1_227055_424210	NW_004516574.1	Scaffold1348_1	424210	AA	GG	1940487094
SNP_P1_227056_425587	NW_004516574.1	Scaffold1348_1	425587	GG	TT	1940487095
SNP_P1_227057_425915	NW_004516574.1	Scaffold1348_1	425915	AA	GG	1940487096
SNP_P1_227058_425976	NW_004516574.1	Scaffold1348_1	425976	TT	CC	1940487097
SNP_P1_227059_427085	NW_004516574.1	Scaffold1348_1	427085	AA	GG	1940487098
SNP_P1_227060_427086	NW_004516574.1	Scaffold1348_1	427086	TT	AA	1940487099
SNP_P1_227061_427987	NW_004516574.1	Scaffold1348_1	427987	AA	TT	1940487100
SNP_P1_227062_427989	NW_004516574.1	Scaffold1348_1	427989	GG	AA	1940487101
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SNP_P1_227073_433408	NW_004516574.1	Scaffold1348_1	433408	TT	AA	1940487110
SNP_P1_227074_433992	NW_004516574.1	Scaffold1348_1	433992	CC	TT	1940487111
SNP_P1_227075_435195	NW_004516574.1	Scaffold1348_1	435195	GG	TT	1940487112
SNP_P1_227076_435222	NW_004516574.1	Scaffold1348_1	435222	CC	AA	1940487113
SNP_P1_227078_436030	NW_004516574.1	Scaffold1348_1	436030	CC	TT	1940487114
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SNP_P1_227080_436409	NW_004516574.1	Scaffold1348_1	436409	CC	TT	1940487116
SNP_P1_227081_436641	NW_004516574.1	Scaffold1348_1	436641	AA	GG	1940487117
SNP_P1_227082_436643	NW_004516574.1	Scaffold1348_1	436643	AA	GG	1940487118
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SNP_P1_227085_436733	NW_004516574.1	Scaffold1348_1	436733	AA	GG	1940487121
SNP_P1_227088_437061	NW_004516574.1	Scaffold1348_1	437061	CC	TT	1940487122
SNP_P1_227089_437065	NW_004516574.1	Scaffold1348_1	437065	CC	AA	1940487123
SNP_P1_227091_438809	NW_004516574.1	Scaffold1348_1	438809	CC	TT	1940487124
SNP_P1_227092_439190	NW_004516574.1	Scaffold1348_1	439190	GG	AA	1940487125

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227097_444590	NW_004516574.1	Scaffold1348_1	444590	TT	CC	1940487129
SNP_P1_227098_444667	NW_004516574.1	Scaffold1348_1	444667	AA	CC	1940487130
SNP_P1_227099_444696	NW_004516574.1	Scaffold1348_1	444696	CC	TT	1940487131
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SNP_P1_227104_444843	NW_004516574.1	Scaffold1348_1	444843	TT	CC	1940487135
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SNP_P1_227108_445409	NW_004516574.1	Scaffold1348_1	445409	AA	GG	1940487138
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SNP_P1_227123_447323	NW_004516574.1	Scaffold1348_1	447323	GG	AA	1940487152
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SNP_P1_227136_458760	NW_004516574.1	Scaffold1348_1	458760	AA	CC	1940487164
SNP_P1_227137_458796	NW_004516574.1	Scaffold1348_1	458796	CC	GG	1940487165
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227147_461700	NW_004516574.1	Scaffold1348_1	461700	CC	GG	1940487173
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SNP_P1_227155_464976	NW_004516574.1	Scaffold1348_1	464976	GG	AA	1940487180
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SNP_P1_227189_477168	NW_004516574.1	Scaffold1348_1	477168	CC	AA	1940487209
SNP_P1_227190_477171	NW_004516574.1	Scaffold1348_1	477171	TT	CC	1940487210

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_227191_477984	NW_004516574.1	Scaffold1348_1	477984	AA	GG	1940487211
SNP_P1_227192_478863	NW_004516574.1	Scaffold1348_1	478863	AA	TT	1940487212
SNP_P1_227193_478933	NW_004516574.1	Scaffold1348_1	478933	TT	CC	1940487213
SNP_P1_227194_478943	NW_004516574.1	Scaffold1348_1	478943	GG	AA	1940487214
SNP_P1_227195_478951	NW_004516574.1	Scaffold1348_1	478951	TT	CC	1940487215
SNP_P1_227196_478983	NW_004516574.1	Scaffold1348_1	478983	CC	TT	1940487216
SNP_P1_227198_479400	NW_004516574.1	Scaffold1348_1	479400	CC	TT	1940487217
SNP_P1_227199_479609	NW_004516574.1	Scaffold1348_1	479609	GG	AA	1940487218
SNP_P1_227200_480239	NW_004516574.1	Scaffold1348_1	480239	GG	AA	1940487219
SNP_P1_227201_480282	NW_004516574.1	Scaffold1348_1	480282	GG	CC	1940487220
SNP_P1_227202_480331	NW_004516574.1	Scaffold1348_1	480331	CC	AA	1940487221
SNP_P1_227203_480575	NW_004516574.1	Scaffold1348_1	480575	GG	AA	1940487222
SNP_P1_227204_480576	NW_004516574.1	Scaffold1348_1	480576	GG	CC	1940487223
SNP_P1_227205_480579	NW_004516574.1	Scaffold1348_1	480579	CC	TT	1940487224
SNP_P1_227207_480602	NW_004516574.1	Scaffold1348_1	480602	AA	CC	1940487225
SNP_P1_227208_480889	NW_004516574.1	Scaffold1348_1	480889	TT	GG	1940487226
SNP_P1_227209_481527	NW_004516574.1	Scaffold1348_1	481527	TT	AA	1940487227
SNP_P1_227211_481768	NW_004516574.1	Scaffold1348_1	481768	GG	AA	1940487228
SNP_P1_227213_484876	NW_004516574.1	Scaffold1348_1	484876	CC	TT	1940487229
SNP_P1_227214_486810	NW_004516574.1	Scaffold1348_1	486810	AA	CC	1940487230
SNP_P1_227215_487428	NW_004516574.1	Scaffold1348_1	487428	GG	CC	1940487231
SNP_P1_227216_489616	NW_004516574.1	Scaffold1348_1	489616	CC	TT	1940487232
SNP_P1_227217_491022	NW_004516574.1	Scaffold1348_1	491022	TT	CC	1940487233
SNP_P1_227218_491039	NW_004516574.1	Scaffold1348_1	491039	AA	CC	1940487234
SNP_P1_227219_492464	NW_004516574.1	Scaffold1348_1	492464	AA	TT	1940487235
SNP_P1_227220_492534	NW_004516574.1	Scaffold1348_1	492534	CC	TT	1940487236
SNP_P1_227221_492564	NW_004516574.1	Scaffold1348_1	492564	TT	CC	1940487237
SNP_P1_227222_492702	NW_004516574.1	Scaffold1348_1	492702	TT	CC	1940487238
SNP_P1_227223_492758	NW_004516574.1	Scaffold1348_1	492758	CC	TT	1940487239
SNP_P1_227224_492977	NW_004516574.1	Scaffold1348_1	492977	TT	GG	1940487240
SNP_P1_227226_493270	NW_004516574.1	Scaffold1348_1	493270	GG	CC	1940487241
SNP_P1_227229_496473	NW_004516574.1	Scaffold1348_1	496473	GG	CC	1940487242
SNP_P1_227231_496595	NW_004516574.1	Scaffold1348_1	496595	CC	TT	1940487243
SNP_P1_227232_496838	NW_004516574.1	Scaffold1348_1	496838	CC	GG	1940487244
SNP_P1_227233_496870	NW_004516574.1	Scaffold1348_1	496870	CC	AA	1940487245
SNP_P1_227234_496944	NW_004516574.1	Scaffold1348_1	496944	CC	TT	1940487246
SNP_P1_227236_497933	NW_004516574.1	Scaffold1348_1	497933	TT	CC	1940487247
SNP_P1_227237_498129	NW_004516574.1	Scaffold1348_1	498129	GG	AA	1940487248
SNP_P1_227239_498620	NW_004516574.1	Scaffold1348_1	498620	CC	TT	1940487249
SNP_P1_227240_500827	NW_004516574.1	Scaffold1348_1	500827	TT	GG	1940487250
SNP_P1_227242_502306	NW_004516574.1	Scaffold1348_1	502306	CC	TT	1940487251
SNP_P1_227243_502668	NW_004516574.1	Scaffold1348_1	502668	AA	GG	1940487252

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_227246_503207	NW_004516574.1	Scaffold1348_1	503207	CC	TT	1940487253
SNP_P1_227247_503304	NW_004516574.1	Scaffold1348_1	503304	CC	AA	1940487254
SNP_P1_227248_503402	NW_004516574.1	Scaffold1348_1	503402	GG	AA	1940487255
SNP_P1_227250_503708	NW_004516574.1	Scaffold1348_1	503708	TT	CC	1940487256
SNP_P1_227251_503907	NW_004516574.1	Scaffold1348_1	503907	AA	GG	1940487257
SNP_P1_227252_506982	NW_004516574.1	Scaffold1348_1	506982	CC	GG	1940487258
SNP_P1_227253_508178	NW_004516574.1	Scaffold1348_1	508178	CC	TT	1940487259
SNP_P1_227254_509884	NW_004516574.1	Scaffold1348_1	509884	TT	GG	1940487260
SNP_P1_227256_510765	NW_004516574.1	Scaffold1348_1	510765	TT	CC	1940487261
SNP_P1_227257_510911	NW_004516574.1	Scaffold1348_1	510911	GG	AA	1940487262
SNP_P1_227258_510917	NW_004516574.1	Scaffold1348_1	510917	TT	CC	1940487263
SNP_P1_227259_510980	NW_004516574.1	Scaffold1348_1	510980	GG	AA	1940487264
SNP_P1_227260_511164	NW_004516574.1	Scaffold1348_1	511164	AA	GG	1940487265
SNP_P1_227262_511300	NW_004516574.1	Scaffold1348_1	511300	GG	AA	1940487266
SNP_P1_227264_519744	NW_004516574.1	Scaffold1348_1	519744	TT	CC	1940487267
SNP_P1_227265_519748	NW_004516574.1	Scaffold1348_1	519748	AA	GG	1940487268
SNP_P1_227266_519767	NW_004516574.1	Scaffold1348_1	519767	TT	CC	1940487269
SNP_P1_227267_521934	NW_004516574.1	Scaffold1348_1	521934	CC	TT	1940487270
SNP_P1_227268_521936	NW_004516574.1	Scaffold1348_1	521936	AA	TT	1940487271
SNP_P1_227269_522205	NW_004516574.1	Scaffold1348_1	522205	GG	TT	1940487272
SNP_P1_227270_522234	NW_004516574.1	Scaffold1348_1	522234	GG	AA	1940487273
SNP_P1_227271_522314	NW_004516574.1	Scaffold1348_1	522314	AA	GG	1940487274
SNP_P1_227272_522315	NW_004516574.1	Scaffold1348_1	522315	CC	TT	1940487275
SNP_P1_227273_523523	NW_004516574.1	Scaffold1348_1	523523	AA	GG	1940487276
SNP_P1_227274_524076	NW_004516574.1	Scaffold1348_1	524076	GG	AA	1940487277
SNP_P1_227275_524078	NW_004516574.1	Scaffold1348_1	524078	AA	GG	1940487278
SNP_P1_227276_524937	NW_004516574.1	Scaffold1348_1	524937	GG	AA	1940487279
SNP_P1_227277_525131	NW_004516574.1	Scaffold1348_1	525131	CC	TT	1940487280
SNP_P1_227278_525137	NW_004516574.1	Scaffold1348_1	525137	CC	GG	1940487281
SNP_P1_227279_525160	NW_004516574.1	Scaffold1348_1	525160	GG	CC	1940487282
SNP_P1_227280_525189	NW_004516574.1	Scaffold1348_1	525189	GG	AA	1940487283
SNP_P1_227281_525211	NW_004516574.1	Scaffold1348_1	525211	AA	CC	1940487284
SNP_P1_227282_525225	NW_004516574.1	Scaffold1348_1	525225	TT	CC	1940487285
SNP_P1_227283_525273	NW_004516574.1	Scaffold1348_1	525273	AA	GG	1940487286
SNP_P1_227284_525282	NW_004516574.1	Scaffold1348_1	525282	GG	AA	1940487287
SNP_P1_227285_525425	NW_004516574.1	Scaffold1348_1	525425	AA	GG	1940487288
SNP_P1_227286_525448	NW_004516574.1	Scaffold1348_1	525448	AA	GG	1940487289
SNP_P1_227287_525450	NW_004516574.1	Scaffold1348_1	525450	AA	GG	1940487290
SNP_P1_227289_525607	NW_004516574.1	Scaffold1348_1	525607	GG	AA	1940487291
SNP_P1_227290_525853	NW_004516574.1	Scaffold1348_1	525853	CC	GG	1940487292
SNP_P1_227291_525884	NW_004516574.1	Scaffold1348_1	525884	TT	CC	1940487293
SNP_P1_227292_526129	NW_004516574.1	Scaffold1348_1	526129	TT	GG	1940487294

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_227293_526367	NW_004516574.1	Scaffold1348_1	526367	TT	CC	1940487295
SNP_P1_227295_526761	NW_004516574.1	Scaffold1348_1	526761	TT	CC	1940487296
SNP_P1_227297_528727	NW_004516574.1	Scaffold1348_1	528727	TT	AA	1940487297
SNP_P1_227298_528884	NW_004516574.1	Scaffold1348_1	528884	CC	TT	1940487298
SNP_P1_227299_528918	NW_004516574.1	Scaffold1348_1	528918	GG	AA	1940487299
SNP_P1_227300_528938	NW_004516574.1	Scaffold1348_1	528938	AA	GG	1940487300
SNP_P1_227301_529144	NW_004516574.1	Scaffold1348_1	529144	CC	TT	1940487301
SNP_P1_227302_529172	NW_004516574.1	Scaffold1348_1	529172	AA	GG	1940487302
SNP_P1_227303_529179	NW_004516574.1	Scaffold1348_1	529179	CC	TT	1940487303
SNP_P1_227304_529227	NW_004516574.1	Scaffold1348_1	529227	GG	AA	1940487304
SNP_P1_227305_529243	NW_004516574.1	Scaffold1348_1	529243	AA	GG	1940487305
SNP_P1_227306_529455	NW_004516574.1	Scaffold1348_1	529455	CC	TT	1940487306
SNP_P1_227307_529460	NW_004516574.1	Scaffold1348_1	529460	GG	AA	1940487307
SNP_P1_227308_529663	NW_004516574.1	Scaffold1348_1	529663	CC	AA	1940487308
SNP_P1_227309_529922	NW_004516574.1	Scaffold1348_1	529922	GG	AA	1940487309
SNP_P1_227310_529940	NW_004516574.1	Scaffold1348_1	529940	TT	AA	1940487310
SNP_P1_227311_530264	NW_004516574.1	Scaffold1348_1	530264	GG	AA	1940487311
SNP_P1_227312_530855	NW_004516574.1	Scaffold1348_1	530855	AA	GG	1940487312
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SNP_P1_227318_531441	NW_004516574.1	Scaffold1348_1	531441	CC	TT	1940487317
SNP_P1_227320_531611	NW_004516574.1	Scaffold1348_1	531611	AA	CC	1940487318
SNP_P1_227321_531656	NW_004516574.1	Scaffold1348_1	531656	GG	AA	1940487319
SNP_P1_227322_531868	NW_004516574.1	Scaffold1348_1	531868	TT	CC	1940487320
SNP_P1_227324_532403	NW_004516574.1	Scaffold1348_1	532403	CC	GG	1940487321
SNP_P1_227325_532418	NW_004516574.1	Scaffold1348_1	532418	AA	CC	1940487322
SNP_P1_227327_532462	NW_004516574.1	Scaffold1348_1	532462	GG	AA	1940487323
SNP_P1_227328_536097	NW_004516574.1	Scaffold1348_1	536097	TT	CC	1940487324
SNP_P1_227329_536904	NW_004516574.1	Scaffold1348_1	536904	AA	CC	1940487325
SNP_P1_227330_536956	NW_004516574.1	Scaffold1348_1	536956	CC	TT	1940487326
SNP_P1_227331_537020	NW_004516574.1	Scaffold1348_1	537020	CC	GG	1940487327
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SNP_P1_227333_537355	NW_004516574.1	Scaffold1348_1	537355	GG	TT	1940487329
SNP_P1_227334_537544	NW_004516574.1	Scaffold1348_1	537544	AA	CC	1940487330
SNP_P1_227335_537566	NW_004516574.1	Scaffold1348_1	537566	CC	TT	1940487331
SNP_P1_227336_537590	NW_004516574.1	Scaffold1348_1	537590	AA	GG	1940487332
SNP_P1_227337_537691	NW_004516574.1	Scaffold1348_1	537691	CC	AA	1940487333
SNP_P1_227338_537836	NW_004516574.1	Scaffold1348_1	537836	AA	GG	1940487334
SNP_P1_227339_537855	NW_004516574.1	Scaffold1348_1	537855	CC	TT	1940487335
SNP_P1_227340_538250	NW_004516574.1	Scaffold1348_1	538250	CC	TT	1940487336

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227342_538710	NW_004516574.1	Scaffold1348_1	538710	GG	AA	1940487338
SNP_P1_227343_539942	NW_004516574.1	Scaffold1348_1	539942	TT	AA	1940487339
SNP_P1_227344_540489	NW_004516574.1	Scaffold1348_1	540489	CC	AA	1940487340
SNP_P1_227345_540522	NW_004516574.1	Scaffold1348_1	540522	CC	TT	1940487341
SNP_P1_227346_540523	NW_004516574.1	Scaffold1348_1	540523	CC	TT	1940487342
SNP_P1_227347_540585	NW_004516574.1	Scaffold1348_1	540585	GG	AA	1940487343
SNP_P1_227348_541344	NW_004516574.1	Scaffold1348_1	541344	CC	GG	1940487344
SNP_P1_227349_541984	NW_004516574.1	Scaffold1348_1	541984	CC	TT	1940487345
SNP_P1_227350_542696	NW_004516574.1	Scaffold1348_1	542696	GG	TT	1940487346
SNP_P1_227351_542728	NW_004516574.1	Scaffold1348_1	542728	AA	CC	1940487347
SNP_P1_227352_542774	NW_004516574.1	Scaffold1348_1	542774	GG	TT	1940487348
SNP_P1_227353_543111	NW_004516574.1	Scaffold1348_1	543111	CC	AA	1940487349
SNP_P1_227354_543114	NW_004516574.1	Scaffold1348_1	543114	TT	CC	1940487350
SNP_P1_227355_543614	NW_004516574.1	Scaffold1348_1	543614	AA	CC	1940487351
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SNP_P1_227359_543941	NW_004516574.1	Scaffold1348_1	543941	TT	CC	1940487355
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SNP_P1_227364_545954	NW_004516574.1	Scaffold1348_1	545954	AA	GG	1940487360
SNP_P1_227365_546001	NW_004516574.1	Scaffold1348_1	546001	AA	GG	1940487361
SNP_P1_227366_546035	NW_004516574.1	Scaffold1348_1	546035	CC	GG	1940487362
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SNP_P1_227369_547005	NW_004516574.1	Scaffold1348_1	547005	CC	GG	1940487365
SNP_P1_227370_547323	NW_004516574.1	Scaffold1348_1	547323	TT	CC	1940487366
SNP_P1_227372_547524	NW_004516574.1	Scaffold1348_1	547524	CC	TT	1940487367
SNP_P1_227373_547603	NW_004516574.1	Scaffold1348_1	547603	GG	AA	1940487368
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SNP_P1_227375_549567	NW_004516574.1	Scaffold1348_1	549567	TT	CC	1940487370
SNP_P1_227378_549831	NW_004516574.1	Scaffold1348_1	549831	TT	CC	1940487371
SNP_P1_227379_553219	NW_004516574.1	Scaffold1348_1	553219	AA	GG	1940487372
SNP_P1_227380_553300	NW_004516574.1	Scaffold1348_1	553300	TT	AA	1940487373
SNP_P1_227381_553301	NW_004516574.1	Scaffold1348_1	553301	TT	AA	1940487374
SNP_P1_227382_553302	NW_004516574.1	Scaffold1348_1	553302	TT	AA	1940487375
SNP_P1_227383_553303	NW_004516574.1	Scaffold1348_1	553303	TT	AA	1940487376
SNP_P1_227384_553315	NW_004516574.1	Scaffold1348_1	553315	TT	CC	1940487377
SNP_P1_227386_553978	NW_004516574.1	Scaffold1348_1	553978	CC	TT	1940487378
SNP_P1_227387_554003	NW_004516574.1	Scaffold1348_1	554003	GG	CC	1940487379

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227391_554841	NW_004516574.1	Scaffold1348_1	554841	TT	CC	1940487383
SNP_P1_227393_556607	NW_004516574.1	Scaffold1348_1	556607	AA	CC	1940487384
SNP_P1_227395_558269	NW_004516574.1	Scaffold1348_1	558269	CC	TT	1940487385
SNP_P1_227396_558489	NW_004516574.1	Scaffold1348_1	558489	TT	GG	1940487386
SNP_P1_227397_559700	NW_004516574.1	Scaffold1348_1	559700	TT	CC	1940487387
SNP_P1_227398_561783	NW_004516574.1	Scaffold1348_1	561783	CC	TT	1940487388
SNP_P1_227399_561785	NW_004516574.1	Scaffold1348_1	561785	GG	AA	1940487389
SNP_P1_227400_562115	NW_004516574.1	Scaffold1348_1	562115	TT	CC	1940487390
SNP_P1_227401_562134	NW_004516574.1	Scaffold1348_1	562134	CC	TT	1940487391
SNP_P1_227402_562166	NW_004516574.1	Scaffold1348_1	562166	AA	GG	1940487392
SNP_P1_227403_563285	NW_004516574.1	Scaffold1348_1	563285	TT	CC	1940487393
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SNP_P1_227405_563335	NW_004516574.1	Scaffold1348_1	563335	CC	TT	1940487395
SNP_P1_227406_565642	NW_004516574.1	Scaffold1348_1	565642	GG	TT	1940487396
SNP_P1_227407_565657	NW_004516574.1	Scaffold1348_1	565657	GG	CC	1940487397
SNP_P1_227408_565662	NW_004516574.1	Scaffold1348_1	565662	CC	TT	1940487398
SNP_P1_227411_567600	NW_004516574.1	Scaffold1348_1	567600	GG	TT	1940487399
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SNP_P1_227414_568990	NW_004516574.1	Scaffold1348_1	568990	GG	AA	1940487402
SNP_P1_227416_569849	NW_004516574.1	Scaffold1348_1	569849	CC	GG	1940487403
SNP_P1_227418_570407	NW_004516574.1	Scaffold1348_1	570407	TT	CC	1940487404
SNP_P1_227419_571582	NW_004516574.1	Scaffold1348_1	571582	CC	TT	1940487405
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SNP_P1_227422_575154	NW_004516574.1	Scaffold1348_1	575154	AA	GG	1940487407
SNP_P1_227423_575158	NW_004516574.1	Scaffold1348_1	575158	TT	CC	1940487408
SNP_P1_227424_575620	NW_004516574.1	Scaffold1348_1	575620	AA	GG	1940487409
SNP_P1_227425_575638	NW_004516574.1	Scaffold1348_1	575638	GG	CC	1940487410
SNP_P1_227426_575861	NW_004516574.1	Scaffold1348_1	575861	TT	CC	1940487411
SNP_P1_227427_575865	NW_004516574.1	Scaffold1348_1	575865	GG	AA	1940487412
SNP_P1_227428_576022	NW_004516574.1	Scaffold1348_1	576022	CC	GG	1940487413
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SNP_P1_227430_576493	NW_004516574.1	Scaffold1348_1	576493	CC	TT	1940487415
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SNP_P1_227433_576748	NW_004516574.1	Scaffold1348_1	576748	GG	TT	1940487418
SNP_P1_227434_576760	NW_004516574.1	Scaffold1348_1	576760	AA	GG	1940487419
SNP_P1_227435_577002	NW_004516574.1	Scaffold1348_1	577002	GG	CC	1940487420
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227438_577170	NW_004516574.1	Scaffold1348_1	577170	CC	AA	1940487423
SNP_P1_227439_577761	NW_004516574.1	Scaffold1348_1	577761	CC	TT	1940487424
SNP_P1_227440_577819	NW_004516574.1	Scaffold1348_1	577819	AA	GG	1940487425
SNP_P1_227441_577846	NW_004516574.1	Scaffold1348_1	577846	TT	GG	1940487426
SNP_P1_227442_577866	NW_004516574.1	Scaffold1348_1	577866	TT	CC	1940487427
SNP_P1_227443_578062	NW_004516574.1	Scaffold1348_1	578062	GG	AA	1940487428
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SNP_P1_227448_580416	NW_004516574.1	Scaffold1348_1	580416	TT	AA	1940487431
SNP_P1_227449_580916	NW_004516574.1	Scaffold1348_1	580916	TT	AA	1940487432
SNP_P1_227450_582264	NW_004516574.1	Scaffold1348_1	582264	TT	CC	1940487433
SNP_P1_227451_582281	NW_004516574.1	Scaffold1348_1	582281	TT	CC	1940487434
SNP_P1_227452_582649	NW_004516574.1	Scaffold1348_1	582649	AA	TT	1940487435
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SNP_P1_227454_584101	NW_004516574.1	Scaffold1348_1	584101	GG	AA	1940487437
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SNP_P1_227456_584443	NW_004516574.1	Scaffold1348_1	584443	AA	CC	1940487439
SNP_P1_227458_584476	NW_004516574.1	Scaffold1348_1	584476	GG	AA	1940487440
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227489_594346	NW_004516574.1	Scaffold1348_1	594346	CC	TT	1940487468
SNP_P1_227490_594381	NW_004516574.1	Scaffold1348_1	594381	AA	CC	1940487469
SNP_P1_227491_594796	NW_004516574.1	Scaffold1348_1	594796	CC	AA	1940487470
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SNP_P1_227496_596970	NW_004516574.1	Scaffold1348_1	596970	TT	CC	1940487474
SNP_P1_227497_597071	NW_004516574.1	Scaffold1348_1	597071	CC	AA	1940487475
SNP_P1_227498_598411	NW_004516574.1	Scaffold1348_1	598411	TT	CC	1940487476
SNP_P1_227499_601055	NW_004516574.1	Scaffold1348_1	601055	AA	GG	1940487477
SNP_P1_227500_601100	NW_004516574.1	Scaffold1348_1	601100	CC	GG	1940487478
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SNP_P1_227529_631929	NW_004516574.1	Scaffold1348_1	631929	AA	GG	1940487505
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227533_631974	NW_004516574.1	Scaffold1348_1	631974	GG	CC	1940487509
SNP_P1_227534_631981	NW_004516574.1	Scaffold1348_1	631981	CC	TT	1940487510
SNP_P1_227535_632024	NW_004516574.1	Scaffold1348_1	632024	GG	AA	1940487511
SNP_P1_227536_632915	NW_004516574.1	Scaffold1348_1	632915	TT	AA	1940487512
SNP_P1_227537_633516	NW_004516574.1	Scaffold1348_1	633516	GG	AA	1940487513
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SNP_P1_227542_634134	NW_004516574.1	Scaffold1348_1	634134	GG	AA	1940487515
SNP_P1_227544_634679	NW_004516574.1	Scaffold1348_1	634679	GG	AA	1940487516
SNP_P1_227545_634840	NW_004516574.1	Scaffold1348_1	634840	TT	CC	1940487517
SNP_P1_227546_634909	NW_004516574.1	Scaffold1348_1	634909	TT	CC	1940487518
SNP_P1_227547_634940	NW_004516574.1	Scaffold1348_1	634940	CC	TT	1940487519
SNP_P1_227548_635114	NW_004516574.1	Scaffold1348_1	635114	TT	CC	1940487520
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227583_641622	NW_004516574.1	Scaffold1348_1	641622	TT	AA	1940487552
SNP_P1_227584_641903	NW_004516574.1	Scaffold1348_1	641903	CC	TT	1940487553
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SNP_P1_227586_642008	NW_004516574.1	Scaffold1348_1	642008	AA	TT	1940487555
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227628_657438	NW_004516574.1	Scaffold1348_1	657438	GG	TT	1940487595
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SNP_P1_227630_661085	NW_004516574.1	Scaffold1348_1	661085	TT	AA	1940487597
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SNP_P1_227633_662596	NW_004516574.1	Scaffold1348_1	662596	AA	GG	1940487599
SNP_P1_227634_662831	NW_004516574.1	Scaffold1348_1	662831	AA	GG	1940487600
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SNP_P1_227636_663021	NW_004516574.1	Scaffold1348_1	663021	TT	CC	1940487602
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SNP_P1_227638_663066	NW_004516574.1	Scaffold1348_1	663066	CC	TT	1940487604
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SNP_P1_227643_663658	NW_004516574.1	Scaffold1348_1	663658	GG	TT	1940487609
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SNP_P1_227651_664685	NW_004516574.1	Scaffold1348_1	664685	AA	GG	1940487617
SNP_P1_227652_664686	NW_004516574.1	Scaffold1348_1	664686	CC	TT	1940487618
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SNP_P1_227655_664724	NW_004516574.1	Scaffold1348_1	664724	TT	CC	1940487621
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SNP_P1_227661_668103	NW_004516574.1	Scaffold1348_1	668103	GG	CC	1940487626
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SNP_P1_227666_670140	NW_004516574.1	Scaffold1348_1	670140	CC	TT	1940487630
SNP_P1_227667_670279	NW_004516574.1	Scaffold1348_1	670279	TT	CC	1940487631
SNP_P1_227669_672651	NW_004516574.1	Scaffold1348_1	672651	GG	TT	1940487632

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227672_672692	NW_004516574.1	Scaffold1348_1	672692	CC	AA	1940487635
SNP_P1_227673_672827	NW_004516574.1	Scaffold1348_1	672827	CC	GG	1940487636
SNP_P1_227674_672861	NW_004516574.1	Scaffold1348_1	672861	TT	AA	1940487637
SNP_P1_227675_672872	NW_004516574.1	Scaffold1348_1	672872	GG	AA	1940487638
SNP_P1_227676_673297	NW_004516574.1	Scaffold1348_1	673297	TT	CC	1940487639
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SNP_P1_227679_673366	NW_004516574.1	Scaffold1348_1	673366	TT	CC	1940487642
SNP_P1_227680_673388	NW_004516574.1	Scaffold1348_1	673388	TT	CC	1940487643
SNP_P1_227681_673673	NW_004516574.1	Scaffold1348_1	673673	TT	CC	1940487644
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SNP_P1_227683_673750	NW_004516574.1	Scaffold1348_1	673750	CC	GG	1940487646
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SNP_P1_227685_673775	NW_004516574.1	Scaffold1348_1	673775	GG	AA	1940487648
SNP_P1_227686_675449	NW_004516574.1	Scaffold1348_1	675449	CC	AA	1940487649
SNP_P1_227687_675522	NW_004516574.1	Scaffold1348_1	675522	TT	GG	1940487650
SNP_P1_227688_675900	NW_004516574.1	Scaffold1348_1	675900	CC	TT	1940487651
SNP_P1_227689_676773	NW_004516574.1	Scaffold1348_1	676773	AA	GG	1940487652
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SNP_P1_227712_681325	NW_004516574.1	Scaffold1348_1	681325	AA	GG	1940487672
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SNP_P1_227714_683464	NW_004516574.1	Scaffold1348_1	683464	TT	GG	1940487674
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227719_685064	NW_004516574.1	Scaffold1348_1	685064	TT	CC	1940487679
SNP_P1_227720_685066	NW_004516574.1	Scaffold1348_1	685066	AA	CC	1940487680
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SNP_P1_227725_685749	NW_004516574.1	Scaffold1348_1	685749	CC	TT	1940487684
SNP_P1_227726_685770	NW_004516574.1	Scaffold1348_1	685770	GG	AA	1940487685
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SNP_P1_227729_685945	NW_004516574.1	Scaffold1348_1	685945	CC	TT	1940487688
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SNP_P1_227746_689062	NW_004516574.1	Scaffold1348_1	689062	AA	TT	1940487705
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SNP_P1_227748_689240	NW_004516574.1	Scaffold1348_1	689240	CC	TT	1940487707
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SNP_P1_227754_690919	NW_004516574.1	Scaffold1348_1	690919	TT	CC	1940487713
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227765_697817	NW_004516574.1	Scaffold1348_1	697817	GG	AA	1940487720
SNP_P1_227766_698162	NW_004516574.1	Scaffold1348_1	698162	GG	AA	1940487721
SNP_P1_227767_698185	NW_004516574.1	Scaffold1348_1	698185	TT	CC	1940487722
SNP_P1_227768_698238	NW_004516574.1	Scaffold1348_1	698238	CC	TT	1940487723
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SNP_P1_227771_698634	NW_004516574.1	Scaffold1348_1	698634	GG	AA	1940487726
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SNP_P1_227779_699800	NW_004516574.1	Scaffold1348_1	699800	CC	TT	1940487733
SNP_P1_227780_699958	NW_004516574.1	Scaffold1348_1	699958	CC	TT	1940487734
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SNP_P1_227804_710357	NW_004516574.1	Scaffold1348_1	710357	CC	AA	1940487756
SNP_P1_227807_710625	NW_004516574.1	Scaffold1348_1	710625	CC	GG	1940487757
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SNP_P1_227811_712044	NW_004516574.1	Scaffold1348_1	712044	GG	AA	1940487759

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227818_712444	NW_004516574.1	Scaffold1348_1	712444	CC	TT	1940487763
SNP_P1_227820_713521	NW_004516574.1	Scaffold1348_1	713521	AA	GG	1940487764
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SNP_P1_227822_713526	NW_004516574.1	Scaffold1348_1	713526	TT	CC	1940487766
SNP_P1_227823_713546	NW_004516574.1	Scaffold1348_1	713546	AA	GG	1940487767
SNP_P1_227824_713596	NW_004516574.1	Scaffold1348_1	713596	CC	TT	1940487768
SNP_P1_227825_713633	NW_004516574.1	Scaffold1348_1	713633	TT	CC	1940487769
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SNP_P1_227845_726636	NW_004516574.1	Scaffold1348_1	726636	CC	TT	1940487787
SNP_P1_227846_726644	NW_004516574.1	Scaffold1348_1	726644	CC	TT	1940487788
SNP_P1_227847_726667	NW_004516574.1	Scaffold1348_1	726667	CC	TT	1940487789
SNP_P1_227848_726671	NW_004516574.1	Scaffold1348_1	726671	CC	TT	1940487790
SNP_P1_227849_726672	NW_004516574.1	Scaffold1348_1	726672	TT	CC	1940487791
SNP_P1_227850_726692	NW_004516574.1	Scaffold1348_1	726692	AA	GG	1940487792
SNP_P1_227851_726693	NW_004516574.1	Scaffold1348_1	726693	GG	CC	1940487793
SNP_P1_227852_726710	NW_004516574.1	Scaffold1348_1	726710	AA	GG	1940487794
SNP_P1_227853_728006	NW_004516574.1	Scaffold1348_1	728006	GG	AA	1940487795
SNP_P1_227854_731056	NW_004516574.1	Scaffold1348_1	731056	CC	GG	1940487796
SNP_P1_227855_734782	NW_004516574.1	Scaffold1348_1	734782	CC	TT	1940487797
SNP_P1_227856_734845	NW_004516574.1	Scaffold1348_1	734845	CC	AA	1940487798
SNP_P1_227857_735206	NW_004516574.1	Scaffold1348_1	735206	TT	CC	1940487799
SNP_P1_227858_735224	NW_004516574.1	Scaffold1348_1	735224	AA	GG	1940487800
SNP_P1_227859_735825	NW_004516574.1	Scaffold1348_1	735825	GG	AA	1940487801

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227861_738487	NW_004516574.1	Scaffold1348_1	738487	AA	GG	1940487803
SNP_P1_227862_739813	NW_004516574.1	Scaffold1348_1	739813	GG	AA	1940487804
SNP_P1_227863_741627	NW_004516574.1	Scaffold1348_1	741627	GG	AA	1940487805
SNP_P1_227864_742258	NW_004516574.1	Scaffold1348_1	742258	CC	TT	1940487806
SNP_P1_227865_742713	NW_004516574.1	Scaffold1348_1	742713	GG	TT	1940487807
SNP_P1_227866_743690	NW_004516574.1	Scaffold1348_1	743690	TT	CC	1940487808
SNP_P1_227867_743693	NW_004516574.1	Scaffold1348_1	743693	CC	AA	1940487809
SNP_P1_227868_744381	NW_004516574.1	Scaffold1348_1	744381	AA	TT	1940487810
SNP_P1_227869_744386	NW_004516574.1	Scaffold1348_1	744386	CC	TT	1940487811
SNP_P1_227870_744470	NW_004516574.1	Scaffold1348_1	744470	GG	AA	1940487812
SNP_P1_227872_752124	NW_004516574.1	Scaffold1348_1	752124	GG	AA	1940487813
SNP_P1_227873_752329	NW_004516574.1	Scaffold1348_1	752329	AA	GG	1940487814
SNP_P1_227874_752456	NW_004516574.1	Scaffold1348_1	752456	TT	AA	1940487815
SNP_P1_227875_752459	NW_004516574.1	Scaffold1348_1	752459	TT	GG	1940487816
SNP_P1_227876_752461	NW_004516574.1	Scaffold1348_1	752461	AA	TT	1940487817
SNP_P1_227877_752587	NW_004516574.1	Scaffold1348_1	752587	TT	CC	1940487818
SNP_P1_227878_752644	NW_004516574.1	Scaffold1348_1	752644	GG	AA	1940487819
SNP_P1_227879_752787	NW_004516574.1	Scaffold1348_1	752787	CC	TT	1940487820
SNP_P1_227880_752888	NW_004516574.1	Scaffold1348_1	752888	CC	TT	1940487821
SNP_P1_227881_752890	NW_004516574.1	Scaffold1348_1	752890	CC	AA	1940487823
SNP_P1_227882_752911	NW_004516574.1	Scaffold1348_1	752911	AA	GG	1940487824
SNP_P1_227883_753258	NW_004516574.1	Scaffold1348_1	753258	TT	CC	1940487825
SNP_P1_227884_753265	NW_004516574.1	Scaffold1348_1	753265	AA	GG	1940487826
SNP_P1_227885_753308	NW_004516574.1	Scaffold1348_1	753308	TT	GG	1940487827
SNP_P1_227886_754206	NW_004516574.1	Scaffold1348_1	754206	GG	AA	1940487828
SNP_P1_227887_754228	NW_004516574.1	Scaffold1348_1	754228	CC	AA	1940487829
SNP_P1_227888_754254	NW_004516574.1	Scaffold1348_1	754254	TT	CC	1940487830
SNP_P1_227890_760603	NW_004516574.1	Scaffold1348_1	760603	CC	TT	1940487831
SNP_P1_227892_760791	NW_004516574.1	Scaffold1348_1	760791	TT	CC	1940487832
SNP_P1_227893_760803	NW_004516574.1	Scaffold1348_1	760803	GG	AA	1940487833
SNP_P1_227895_762928	NW_004516574.1	Scaffold1348_1	762928	CC	GG	1940487834
SNP_P1_227896_763163	NW_004516574.1	Scaffold1348_1	763163	CC	AA	1940487835
SNP_P1_227897_763185	NW_004516574.1	Scaffold1348_1	763185	GG	CC	1940487836
SNP_P1_227898_766042	NW_004516574.1	Scaffold1348_1	766042	AA	TT	1940487837
SNP_P1_227899_766061	NW_004516574.1	Scaffold1348_1	766061	TT	GG	1940487838
SNP_P1_227900_766376	NW_004516574.1	Scaffold1348_1	766376	AA	CC	1940487839
SNP_P1_227901_766407	NW_004516574.1	Scaffold1348_1	766407	TT	AA	1940487840
SNP_P1_227902_767012	NW_004516574.1	Scaffold1348_1	767012	CC	TT	1940487841
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SNP_P1_227904_767221	NW_004516574.1	Scaffold1348_1	767221	GG	AA	1940487843
SNP_P1_227905_767255	NW_004516574.1	Scaffold1348_1	767255	TT	CC	1940487844

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227908_768028	NW_004516574.1	Scaffold1348_1	768028	GG	AA	1940487846
SNP_P1_227909_768047	NW_004516574.1	Scaffold1348_1	768047	TT	CC	1940487847
SNP_P1_227910_768053	NW_004516574.1	Scaffold1348_1	768053	GG	CC	1940487848
SNP_P1_227911_768086	NW_004516574.1	Scaffold1348_1	768086	GG	TT	1940487849
SNP_P1_227912_768950	NW_004516574.1	Scaffold1348_1	768950	TT	AA	1940487850
SNP_P1_227913_769175	NW_004516574.1	Scaffold1348_1	769175	TT	CC	1940487851
SNP_P1_227914_769186	NW_004516574.1	Scaffold1348_1	769186	GG	AA	1940487852
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SNP_P1_227916_769514	NW_004516574.1	Scaffold1348_1	769514	AA	GG	1940487854
SNP_P1_227917_769781	NW_004516574.1	Scaffold1348_1	769781	CC	AA	1940487855
SNP_P1_227918_771365	NW_004516574.1	Scaffold1348_1	771365	GG	AA	1940487856
SNP_P1_227919_772520	NW_004516574.1	Scaffold1348_1	772520	GG	AA	1940487857
SNP_P1_227920_772715	NW_004516574.1	Scaffold1348_1	772715	AA	GG	1940487858
SNP_P1_227922_776117	NW_004516574.1	Scaffold1348_1	776117	AA	GG	1940487859
SNP_P1_227923_777278	NW_004516574.1	Scaffold1348_1	777278	TT	GG	1940487860
SNP_P1_227924_777770	NW_004516574.1	Scaffold1348_1	777770	AA	TT	1940487861
SNP_P1_227925_779400	NW_004516574.1	Scaffold1348_1	779400	TT	CC	1940487862
SNP_P1_227926_781058	NW_004516574.1	Scaffold1348_1	781058	GG	AA	1940487863
SNP_P1_227927_786321	NW_004516574.1	Scaffold1348_1	786321	TT	AA	1940487864
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SNP_P1_227929_787699	NW_004516574.1	Scaffold1348_1	787699	GG	AA	1940487866
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SNP_P1_227933_787960	NW_004516574.1	Scaffold1348_1	787960	AA	GG	1940487870
SNP_P1_227934_788108	NW_004516574.1	Scaffold1348_1	788108	TT	CC	1940487871
SNP_P1_227935_788195	NW_004516574.1	Scaffold1348_1	788195	TT	CC	1940487872
SNP_P1_227937_788695	NW_004516574.1	Scaffold1348_1	788695	AA	TT	1940487873
SNP_P1_227938_788706	NW_004516574.1	Scaffold1348_1	788706	AA	TT	1940487874
SNP_P1_227939_788848	NW_004516574.1	Scaffold1348_1	788848	GG	AA	1940487875
SNP_P1_227940_788874	NW_004516574.1	Scaffold1348_1	788874	GG	AA	1940487876
SNP_P1_227941_789112	NW_004516574.1	Scaffold1348_1	789112	TT	CC	1940487877
SNP_P1_227944_789852	NW_004516574.1	Scaffold1348_1	789852	TT	GG	1940487878
SNP_P1_227945_789932	NW_004516574.1	Scaffold1348_1	789932	TT	CC	1940487879
SNP_P1_227946_790146	NW_004516574.1	Scaffold1348_1	790146	TT	CC	1940487880
SNP_P1_227947_790204	NW_004516574.1	Scaffold1348_1	790204	AA	GG	1940487881
SNP_P1_227948_790216	NW_004516574.1	Scaffold1348_1	790216	CC	AA	1940487882
SNP_P1_227949_790279	NW_004516574.1	Scaffold1348_1	790279	GG	AA	1940487883
SNP_P1_227950_790320	NW_004516574.1	Scaffold1348_1	790320	GG	AA	1940487884
SNP_P1_227951_790339	NW_004516574.1	Scaffold1348_1	790339	GG	AA	1940487885
SNP_P1_227952_790381	NW_004516574.1	Scaffold1348_1	790381	AA	GG	1940487886

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227955_792461	NW_004516574.1	Scaffold1348_1	792461	AA	TT	1940487888
SNP_P1_227956_792651	NW_004516574.1	Scaffold1348_1	792651	CC	TT	1940487889
SNP_P1_227957_792655	NW_004516574.1	Scaffold1348_1	792655	TT	CC	1940487890
SNP_P1_227958_792842	NW_004516574.1	Scaffold1348_1	792842	AA	GG	1940487891
SNP_P1_227959_792869	NW_004516574.1	Scaffold1348_1	792869	CC	TT	1940487892
SNP_P1_227960_792895	NW_004516574.1	Scaffold1348_1	792895	CC	TT	1940487893
SNP_P1_227961_792936	NW_004516574.1	Scaffold1348_1	792936	CC	TT	1940487894
SNP_P1_227962_793379	NW_004516574.1	Scaffold1348_1	793379	CC	TT	1940487895
SNP_P1_227963_793534	NW_004516574.1	Scaffold1348_1	793534	AA	GG	1940487896
SNP_P1_227964_793573	NW_004516574.1	Scaffold1348_1	793573	AA	GG	1940487897
SNP_P1_227965_793598	NW_004516574.1	Scaffold1348_1	793598	CC	TT	1940487898
SNP_P1_227966_793622	NW_004516574.1	Scaffold1348_1	793622	TT	CC	1940487899
SNP_P1_227967_793871	NW_004516574.1	Scaffold1348_1	793871	AA	GG	1940487900
SNP_P1_227968_793945	NW_004516574.1	Scaffold1348_1	793945	AA	CC	1940487901
SNP_P1_227970_795050	NW_004516574.1	Scaffold1348_1	795050	GG	TT	1940487902
SNP_P1_227971_795053	NW_004516574.1	Scaffold1348_1	795053	GG	AA	1940487903
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SNP_P1_227973_796374	NW_004516574.1	Scaffold1348_1	796374	TT	CC	1940487905
SNP_P1_227974_800689	NW_004516574.1	Scaffold1348_1	800689	GG	TT	1940487906
SNP_P1_227975_801331	NW_004516574.1	Scaffold1348_1	801331	CC	TT	1940487907
SNP_P1_227976_801616	NW_004516574.1	Scaffold1348_1	801616	AA	GG	1940487908
SNP_P1_227977_801641	NW_004516574.1	Scaffold1348_1	801641	CC	TT	1940487909
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SNP_P1_227982_814999	NW_004516574.1	Scaffold1348_1	814999	CC	GG	1940487913
SNP_P1_227983_816016	NW_004516574.1	Scaffold1348_1	816016	AA	GG	1940487914
SNP_P1_227984_816253	NW_004516574.1	Scaffold1348_1	816253	GG	AA	1940487915
SNP_P1_227985_816279	NW_004516574.1	Scaffold1348_1	816279	CC	TT	1940487916
SNP_P1_227986_816286	NW_004516574.1	Scaffold1348_1	816286	TT	CC	1940487917
SNP_P1_227987_816613	NW_004516574.1	Scaffold1348_1	816613	CC	TT	1940487918
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SNP_P1_227989_817331	NW_004516574.1	Scaffold1348_1	817331	AA	GG	1940487920
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SNP_P1_227991_817961	NW_004516574.1	Scaffold1348_1	817961	GG	AA	1940487922
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SNP_P1_227994_818128	NW_004516574.1	Scaffold1348_1	818128	GG	TT	1940487925
SNP_P1_227995_818237	NW_004516574.1	Scaffold1348_1	818237	CC	TT	1940487926
SNP_P1_227996_818289	NW_004516574.1	Scaffold1348_1	818289	CC	TT	1940487927
SNP_P1_227997_818605	NW_004516574.1	Scaffold1348_1	818605	TT	CC	1940487928

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_227999_818842	NW_004516574.1	Scaffold1348_1	818842	CC	TT	1940487930
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SNP_P1_228001_819701	NW_004516574.1	Scaffold1348_1	819701	GG	AA	1940487932
SNP_P1_228003_821753	NW_004516574.1	Scaffold1348_1	821753	GG	CC	1940487933
SNP_P1_228004_822075	NW_004516574.1	Scaffold1348_1	822075	CC	GG	1940487934
SNP_P1_228006_822355	NW_004516574.1	Scaffold1348_1	822355	TT	CC	1940487935
SNP_P1_228007_822760	NW_004516574.1	Scaffold1348_1	822760	TT	GG	1940487936
SNP_P1_228008_824006	NW_004516574.1	Scaffold1348_1	824006	AA	GG	1940487937
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SNP_P1_228011_824513	NW_004516574.1	Scaffold1348_1	824513	CC	TT	1940487939
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SNP_P1_228017_831634	NW_004516574.1	Scaffold1348_1	831634	AA	GG	1940487945
SNP_P1_228018_831870	NW_004516574.1	Scaffold1348_1	831870	GG	AA	1940487946
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SNP_P1_228022_832042	NW_004516574.1	Scaffold1348_1	832042	CC	GG	1940487950
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SNP_P1_228031_841915	NW_004516574.1	Scaffold1348_1	841915	CC	GG	1940487958
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SNP_P1_228033_844235	NW_004516574.1	Scaffold1348_1	844235	AA	GG	1940487960
SNP_P1_228035_844353	NW_004516574.1	Scaffold1348_1	844353	TT	CC	1940487961
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SNP_P1_228037_845541	NW_004516574.1	Scaffold1348_1	845541	TT	AA	1940487963
SNP_P1_228038_845787	NW_004516574.1	Scaffold1348_1	845787	CC	GG	1940487964
SNP_P1_228039_847705	NW_004516574.1	Scaffold1348_1	847705	AA	GG	1940487965
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SNP_P1_228043_848271	NW_004516574.1	Scaffold1348_1	848271	AA	GG	1940487969
SNP_P1_228044_849324	NW_004516574.1	Scaffold1348_1	849324	TT	AA	1940487970
SNP_P1_228045_849780	NW_004516574.1	Scaffold1348_1	849780	CC	AA	1940487971

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228048_850124	NW_004516574.1	Scaffold1348_1	850124	TT	CC	1940487974
SNP_P1_228050_850957	NW_004516574.1	Scaffold1348_1	850957	CC	GG	1940487975
SNP_P1_228051_851136	NW_004516574.1	Scaffold1348_1	851136	TT	CC	1940487976
SNP_P1_228052_851311	NW_004516574.1	Scaffold1348_1	851311	CC	TT	1940487977
SNP_P1_228053_851437	NW_004516574.1	Scaffold1348_1	851437	CC	TT	1940487978
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SNP_P1_228058_853041	NW_004516574.1	Scaffold1348_1	853041	AA	GG	1940487983
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SNP_P1_228060_854664	NW_004516574.1	Scaffold1348_1	854664	TT	CC	1940487985
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SNP_P1_228065_854910	NW_004516574.1	Scaffold1348_1	854910	AA	GG	1940487990
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SNP_P1_228068_855238	NW_004516574.1	Scaffold1348_1	855238	AA	CC	1940487993
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SNP_P1_228079_855749	NW_004516574.1	Scaffold1348_1	855749	AA	GG	1940488004
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SNP_P1_228083_856112	NW_004516574.1	Scaffold1348_1	856112	TT	CC	1940488008
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228094_857153	NW_004516574.1	Scaffold1348_1	857153	AA	GG	1940488017
SNP_P1_228095_857211	NW_004516574.1	Scaffold1348_1	857211	AA	TT	1940488018
SNP_P1_228096_857264	NW_004516574.1	Scaffold1348_1	857264	AA	GG	1940488019
SNP_P1_228097_857269	NW_004516574.1	Scaffold1348_1	857269	GG	AA	1940488020
SNP_P1_228098_857281	NW_004516574.1	Scaffold1348_1	857281	TT	AA	1940488021
SNP_P1_228099_857337	NW_004516574.1	Scaffold1348_1	857337	GG	AA	1940488022
SNP_P1_228100_857348	NW_004516574.1	Scaffold1348_1	857348	GG	AA	1940488023
SNP_P1_228101_857483	NW_004516574.1	Scaffold1348_1	857483	AA	GG	1940488024
SNP_P1_228102_857498	NW_004516574.1	Scaffold1348_1	857498	AA	GG	1940488025
SNP_P1_228103_857648	NW_004516574.1	Scaffold1348_1	857648	GG	TT	1940488026
SNP_P1_228104_857721	NW_004516574.1	Scaffold1348_1	857721	AA	GG	1940488027
SNP_P1_228106_857770	NW_004516574.1	Scaffold1348_1	857770	TT	CC	1940488028
SNP_P1_228107_857806	NW_004516574.1	Scaffold1348_1	857806	TT	CC	1940488029
SNP_P1_228108_857815	NW_004516574.1	Scaffold1348_1	857815	TT	GG	1940488030
SNP_P1_228109_858099	NW_004516574.1	Scaffold1348_1	858099	AA	GG	1940488031
SNP_P1_228111_858349	NW_004516574.1	Scaffold1348_1	858349	TT	GG	1940488032
SNP_P1_228112_858380	NW_004516574.1	Scaffold1348_1	858380	AA	GG	1940488033
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SNP_P1_228130_861933	NW_004516574.1	Scaffold1348_1	861933	AA	TT	1940488051
SNP_P1_228132_862045	NW_004516574.1	Scaffold1348_1	862045	TT	CC	1940488052
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SNP_P1_228136_863014	NW_004516574.1	Scaffold1348_1	863014	TT	CC	1940488056

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228140_864511	NW_004516574.1	Scaffold1348_1	864511	TT	AA	1940488060
SNP_P1_228141_864765	NW_004516574.1	Scaffold1348_1	864765	GG	TT	1940488061
SNP_P1_228143_866477	NW_004516574.1	Scaffold1348_1	866477	GG	AA	1940488062
SNP_P1_228144_866639	NW_004516574.1	Scaffold1348_1	866639	AA	GG	1940488063
SNP_P1_228145_866984	NW_004516574.1	Scaffold1348_1	866984	GG	TT	1940488064
SNP_P1_228146_867136	NW_004516574.1	Scaffold1348_1	867136	GG	AA	1940488065
SNP_P1_228147_867138	NW_004516574.1	Scaffold1348_1	867138	GG	AA	1940488066
SNP_P1_228148_867192	NW_004516574.1	Scaffold1348_1	867192	AA	TT	1940488067
SNP_P1_228150_867333	NW_004516574.1	Scaffold1348_1	867333	AA	GG	1940488068
SNP_P1_228152_868121	NW_004516574.1	Scaffold1348_1	868121	GG	TT	1940488069
SNP_P1_228153_868198	NW_004516574.1	Scaffold1348_1	868198	GG	TT	1940488070
SNP_P1_228154_868334	NW_004516574.1	Scaffold1348_1	868334	AA	TT	1940488071
SNP_P1_228155_868351	NW_004516574.1	Scaffold1348_1	868351	AA	TT	1940488072
SNP_P1_228156_868354	NW_004516574.1	Scaffold1348_1	868354	TT	AA	1940488073
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SNP_P1_228183_876460	NW_004516574.1	Scaffold1348_1	876460	AA	TT	1940488098

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228188_882598	NW_004516574.1	Scaffold1348_1	882598	AA	GG	1940488103
SNP_P1_228189_882602	NW_004516574.1	Scaffold1348_1	882602	TT	CC	1940488104
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SNP_P1_228227_897586	NW_004516574.1	Scaffold1348_1	897586	TT	CC	1940488139
SNP_P1_228228_898019	NW_004516574.1	Scaffold1348_1	898019	GG	AA	1940488140

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228231_900070	NW_004516574.1	Scaffold1348_1	900070	TT	CC	1940488143
SNP_P1_228232_900072	NW_004516574.1	Scaffold1348_1	900072	AA	GG	1940488144
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SNP_P1_228237_901162	NW_004516574.1	Scaffold1348_1	901162	TT	CC	1940488149
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SNP_P1_228265_922181	NW_004516574.1	Scaffold1348_1	922181	CC	TT	1940488177
SNP_P1_228266_924814	NW_004516574.1	Scaffold1348_1	924814	TT	CC	1940488178
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SNP_P1_228272_926962	NW_004516574.1	Scaffold1348_1	926962	GG	AA	1940488183

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228279_928501	NW_004516574.1	Scaffold1348_1	928501	AA	TT	1940488189
SNP_P1_228280_928575	NW_004516574.1	Scaffold1348_1	928575	AA	TT	1940488190
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SNP_P1_228321_943370	NW_004516574.1	Scaffold1348_1	943370	CC	TT	1940488225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228325_943593	NW_004516574.1	Scaffold1348_1	943593	AA	GG	1940488228
SNP_P1_228326_943655	NW_004516574.1	Scaffold1348_1	943655	CC	TT	1940488229
SNP_P1_228327_944051	NW_004516574.1	Scaffold1348_1	944051	AA	GG	1940488230
SNP_P1_228328_944463	NW_004516574.1	Scaffold1348_1	944463	TT	AA	1940488231
SNP_P1_228329_944483	NW_004516574.1	Scaffold1348_1	944483	TT	CC	1940488232
SNP_P1_228330_944821	NW_004516574.1	Scaffold1348_1	944821	AA	GG	1940488233
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228375_956183	NW_004516574.1	Scaffold1348_1	956183	AA	GG	1940488271
SNP_P1_228376_956387	NW_004516574.1	Scaffold1348_1	956387	GG	AA	1940488272
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SNP_P1_228381_958661	NW_004516574.1	Scaffold1348_1	958661	TT	CC	1940488275
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228423_980330	NW_004516574.1	Scaffold1348_1	980330	CC	TT	1940488314
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SNP_P1_228463_997806	NW_004516574.1	Scaffold1348_1	997806	AA	CC	1940488351
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228470_1000112	NW_004516574.1	Scaffold1348_1	1000112	AA	GG	1940488356
SNP_P1_228472_1000962	NW_004516574.1	Scaffold1348_1	1000962	TT	CC	1940488357
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SNP_P1_228486_1003490	NW_004516574.1	Scaffold1348_1	1003490	GG	AA	1940488367
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SNP_P1_228491_1004095	NW_004516574.1	Scaffold1348_1	1004095	GG	AA	1940488371
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SNP_P1_228494_1004107	NW_004516574.1	Scaffold1348_1	1004107	TT	CC	1940488374
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SNP_P1_228507_1010511	NW_004516574.1	Scaffold1348_1	1010511	TT	AA	1940488387
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SNP_P1_228516_1014808	NW_004516574.1	Scaffold1348_1	1014808	CC	TT	1940488393
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228520_1015214	NW_004516574.1	Scaffold1348_1	1015214	TT	GG	1940488397
SNP_P1_228521_1015247	NW_004516574.1	Scaffold1348_1	1015247	AA	GG	1940488398
SNP_P1_228522_1015295	NW_004516574.1	Scaffold1348_1	1015295	GG	AA	1940488399
SNP_P1_228523_1015633	NW_004516574.1	Scaffold1348_1	1015633	TT	CC	1940488400
SNP_P1_228524_1017034	NW_004516574.1	Scaffold1348_1	1017034	TT	CC	1940488401
SNP_P1_228525_1017048	NW_004516574.1	Scaffold1348_1	1017048	TT	CC	1940488402
SNP_P1_228526_1017493	NW_004516574.1	Scaffold1348_1	1017493	TT	GG	1940488403
SNP_P1_228527_1017569	NW_004516574.1	Scaffold1348_1	1017569	GG	TT	1940488404
SNP_P1_228528_1017573	NW_004516574.1	Scaffold1348_1	1017573	CC	GG	1940488405
SNP_P1_228529_1017677	NW_004516574.1	Scaffold1348_1	1017677	CC	GG	1940488406
SNP_P1_228530_1018253	NW_004516574.1	Scaffold1348_1	1018253	GG	TT	1940488407
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SNP_P1_228532_1018740	NW_004516574.1	Scaffold1348_1	1018740	AA	TT	1940488409
SNP_P1_228533_1018745	NW_004516574.1	Scaffold1348_1	1018745	CC	TT	1940488410
SNP_P1_228534_1019132	NW_004516574.1	Scaffold1348_1	1019132	CC	TT	1940488411
SNP_P1_228535_1019952	NW_004516574.1	Scaffold1348_1	1019952	TT	AA	1940488412
SNP_P1_228536_1020012	NW_004516574.1	Scaffold1348_1	1020012	GG	AA	1940488413
SNP_P1_228537_1020828	NW_004516574.1	Scaffold1348_1	1020828	GG	AA	1940488414
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SNP_P1_228539_1020936	NW_004516574.1	Scaffold1348_1	1020936	CC	TT	1940488416
SNP_P1_228540_1021203	NW_004516574.1	Scaffold1348_1	1021203	CC	GG	1940488417
SNP_P1_228541_1022660	NW_004516574.1	Scaffold1348_1	1022660	GG	AA	1940488418
SNP_P1_228542_1031945	NW_004516574.1	Scaffold1348_1	1031945	CC	TT	1940488419
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SNP_P1_228546_1041782	NW_004516574.1	Scaffold1348_1	1041782	GG	AA	1940488423
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SNP_P1_228548_1041835	NW_004516574.1	Scaffold1348_1	1041835	GG	AA	1940488425
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SNP_P1_228558_1044417	NW_004516574.1	Scaffold1348_1	1044417	CC	TT	1940488435
SNP_P1_228559_1044511	NW_004516574.1	Scaffold1348_1	1044511	AA	CC	1940488436

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228562_1044557	NW_004516574.1	Scaffold1348_1	1044557	AA	TT	1940488439
SNP_P1_228563_1044703	NW_004516574.1	Scaffold1348_1	1044703	AA	GG	1940488440
SNP_P1_228564_1045149	NW_004516574.1	Scaffold1348_1	1045149	CC	TT	1940488441
SNP_P1_228565_1045152	NW_004516574.1	Scaffold1348_1	1045152	TT	CC	1940488442
SNP_P1_228566_1045158	NW_004516574.1	Scaffold1348_1	1045158	GG	AA	1940488443
SNP_P1_228567_1045210	NW_004516574.1	Scaffold1348_1	1045210	AA	GG	1940488444
SNP_P1_228568_1045214	NW_004516574.1	Scaffold1348_1	1045214	CC	TT	1940488445
SNP_P1_228569_1045449	NW_004516574.1	Scaffold1348_1	1045449	GG	AA	1940488446
SNP_P1_228570_1045510	NW_004516574.1	Scaffold1348_1	1045510	TT	GG	1940488447
SNP_P1_228571_1045912	NW_004516574.1	Scaffold1348_1	1045912	AA	CC	1940488448
SNP_P1_228572_1046290	NW_004516574.1	Scaffold1348_1	1046290	CC	TT	1940488449
SNP_P1_228573_1046293	NW_004516574.1	Scaffold1348_1	1046293	GG	AA	1940488450
SNP_P1_228574_1047219	NW_004516574.1	Scaffold1348_1	1047219	GG	AA	1940488451
SNP_P1_228575_1047249	NW_004516574.1	Scaffold1348_1	1047249	AA	GG	1940488452
SNP_P1_228576_1047267	NW_004516574.1	Scaffold1348_1	1047267	AA	GG	1940488453
SNP_P1_228577_1047534	NW_004516574.1	Scaffold1348_1	1047534	AA	GG	1940488454
SNP_P1_228578_1047822	NW_004516574.1	Scaffold1348_1	1047822	TT	GG	1940488455
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SNP_P1_228583_1049766	NW_004516574.1	Scaffold1348_1	1049766	AA	GG	1940488460
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SNP_P1_228589_1052170	NW_004516574.1	Scaffold1348_1	1052170	AA	GG	1940488466
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SNP_P1_228592_1053997	NW_004516574.1	Scaffold1348_1	1053997	GG	AA	1940488468
SNP_P1_228593_1055044	NW_004516574.1	Scaffold1348_1	1055044	GG	AA	1940488470
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SNP_P1_228596_1056137	NW_004516574.1	Scaffold1348_1	1056137	TT	AA	1940488473
SNP_P1_228597_1056337	NW_004516574.1	Scaffold1348_1	1056337	AA	GG	1940488474
SNP_P1_228598_1056359	NW_004516574.1	Scaffold1348_1	1056359	AA	TT	1940488475
SNP_P1_228599_1056409	NW_004516574.1	Scaffold1348_1	1056409	CC	TT	1940488476
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SNP_P1_228602_1056631	NW_004516574.1	Scaffold1348_1	1056631	GG	AA	1940488479

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228605_1056643	NW_004516574.1	Scaffold1348_1	1056643	CC	TT	1940488482
SNP_P1_228606_1056668	NW_004516574.1	Scaffold1348_1	1056668	TT	CC	1940488483
SNP_P1_228607_1056720	NW_004516574.1	Scaffold1348_1	1056720	AA	CC	1940488484
SNP_P1_228608_1056732	NW_004516574.1	Scaffold1348_1	1056732	AA	GG	1940488485
SNP_P1_228609_1056740	NW_004516574.1	Scaffold1348_1	1056740	AA	GG	1940488486
SNP_P1_228610_1057640	NW_004516574.1	Scaffold1348_1	1057640	CC	TT	1940488487
SNP_P1_228611_1057667	NW_004516574.1	Scaffold1348_1	1057667	AA	TT	1940488488
SNP_P1_228612_1058004	NW_004516574.1	Scaffold1348_1	1058004	TT	CC	1940488489
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SNP_P1_228651_1069279	NW_004516574.1	Scaffold1348_1	1069279	CC	TT	1940488519
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228659_1074645	NW_004516574.1	Scaffold1348_1	1074645	GG	CC	1940488526
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SNP_P1_228662_1075302	NW_004516574.1	Scaffold1348_1	1075302	GG	TT	1940488528
SNP_P1_228663_1075342	NW_004516574.1	Scaffold1348_1	1075342	CC	TT	1940488529
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228760_1111459	NW_004516574.1	Scaffold1348_1	1111459	TT	CC	1940488613
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SNP_P1_228762_1113955	NW_004516574.1	Scaffold1348_1	1113955	GG	AA	1940488615
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228802_1122655	NW_004516574.1	Scaffold1348_1	1122655	TT	CC	1940488652
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228888_1138753	NW_004516574.1	Scaffold1348_1	1138753	TT	CC	1940488732

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_228889_1138772	NW_004516574.1	Scaffold1348_1	1138772	CC	AA	1940488733
SNP_P1_228890_1138778	NW_004516574.1	Scaffold1348_1	1138778	GG	AA	1940488735
SNP_P1_228891_1138782	NW_004516574.1	Scaffold1348_1	1138782	TT	CC	1940488736
SNP_P1_228892_1138790	NW_004516574.1	Scaffold1348_1	1138790	CC	TT	1940488737
SNP_P1_228893_1138794	NW_004516574.1	Scaffold1348_1	1138794	TT	AA	1940488738
SNP_P1_228894_1138817	NW_004516574.1	Scaffold1348_1	1138817	GG	AA	1940488739
SNP_P1_228895_1138819	NW_004516574.1	Scaffold1348_1	1138819	AA	GG	1940488740
SNP_P1_228896_1138897	NW_004516574.1	Scaffold1348_1	1138897	TT	CC	1940488741
SNP_P1_228898_1139270	NW_004516574.1	Scaffold1348_1	1139270	TT	AA	1940488742
SNP_P1_228899_1139312	NW_004516574.1	Scaffold1348_1	1139312	AA	GG	1940488743
SNP_P1_228900_1139335	NW_004516574.1	Scaffold1348_1	1139335	TT	CC	1940488744
SNP_P1_228901_1139400	NW_004516574.1	Scaffold1348_1	1139400	AA	CC	1940488745
SNP_P1_228902_1139418	NW_004516574.1	Scaffold1348_1	1139418	AA	TT	1940488746
SNP_P1_228904_1139478	NW_004516574.1	Scaffold1348_1	1139478	AA	CC	1940488747
SNP_P1_228905_1139527	NW_004516574.1	Scaffold1348_1	1139527	GG	AA	1940488748
SNP_P1_228906_1139697	NW_004516574.1	Scaffold1348_1	1139697	GG	TT	1940488749
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SNP_P1_228908_1139780	NW_004516574.1	Scaffold1348_1	1139780	AA	GG	1940488751
SNP_P1_228909_1140775	NW_004516574.1	Scaffold1348_1	1140775	AA	CC	1940488752
SNP_P1_228910_1141014	NW_004516574.1	Scaffold1348_1	1141014	GG	TT	1940488753
SNP_P1_228911_1141030	NW_004516574.1	Scaffold1348_1	1141030	CC	TT	1940488754
SNP_P1_228912_1141290	NW_004516574.1	Scaffold1348_1	1141290	TT	AA	1940488755
SNP_P1_228913_1141293	NW_004516574.1	Scaffold1348_1	1141293	TT	AA	1940488756
SNP_P1_228914_1141298	NW_004516574.1	Scaffold1348_1	1141298	GG	AA	1940488757
SNP_P1_228915_1141900	NW_004516574.1	Scaffold1348_1	1141900	GG	AA	1940488758
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SNP_P1_228918_1141994	NW_004516574.1	Scaffold1348_1	1141994	AA	CC	1940488761
SNP_P1_228919_1142035	NW_004516574.1	Scaffold1348_1	1142035	CC	TT	1940488762
SNP_P1_228920_1142222	NW_004516574.1	Scaffold1348_1	1142222	GG	AA	1940488763
SNP_P1_228921_1142478	NW_004516574.1	Scaffold1348_1	1142478	AA	GG	1940488764
SNP_P1_228922_1142519	NW_004516574.1	Scaffold1348_1	1142519	AA	GG	1940488765
SNP_P1_228923_1142530	NW_004516574.1	Scaffold1348_1	1142530	TT	AA	1940488766
SNP_P1_228924_1144295	NW_004516574.1	Scaffold1348_1	1144295	TT	CC	1940488768
SNP_P1_228926_1145598	NW_004516574.1	Scaffold1348_1	1145598	GG	TT	1940488769
SNP_P1_228927_1145603	NW_004516574.1	Scaffold1348_1	1145603	TT	CC	1940488770
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SNP_P1_228929_1145764	NW_004516574.1	Scaffold1348_1	1145764	TT	AA	1940488772
SNP_P1_228930_1146018	NW_004516574.1	Scaffold1348_1	1146018	GG	AA	1940488773
SNP_P1_228931_1146522	NW_004516574.1	Scaffold1348_1	1146522	AA	TT	1940488774
SNP_P1_228932_1146524	NW_004516574.1	Scaffold1348_1	1146524	TT	CC	1940488775
SNP_P1_228933_1146533	NW_004516574.1	Scaffold1348_1	1146533	AA	GG	1940488776

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228935_1146567	NW_004516574.1	Scaffold1348_1	1146567	AA	GG	1940488778
SNP_P1_228936_1146632	NW_004516574.1	Scaffold1348_1	1146632	GG	AA	1940488779
SNP_P1_228937_1146644	NW_004516574.1	Scaffold1348_1	1146644	GG	AA	1940488780
SNP_P1_228938_1146652	NW_004516574.1	Scaffold1348_1	1146652	GG	AA	1940488781
SNP_P1_228940_1146767	NW_004516574.1	Scaffold1348_1	1146767	CC	GG	1940488782
SNP_P1_228941_1146915	NW_004516574.1	Scaffold1348_1	1146915	CC	AA	1940488783
SNP_P1_228942_1146947	NW_004516574.1	Scaffold1348_1	1146947	CC	GG	1940488784
SNP_P1_228943_1146978	NW_004516574.1	Scaffold1348_1	1146978	TT	AA	1940488785
SNP_P1_228944_1147045	NW_004516574.1	Scaffold1348_1	1147045	TT	CC	1940488786
SNP_P1_228945_1147073	NW_004516574.1	Scaffold1348_1	1147073	AA	GG	1940488787
SNP_P1_228946_1147171	NW_004516574.1	Scaffold1348_1	1147171	TT	GG	1940488788
SNP_P1_228947_1147227	NW_004516574.1	Scaffold1348_1	1147227	TT	AA	1940488789
SNP_P1_228948_1147256	NW_004516574.1	Scaffold1348_1	1147256	GG	AA	1940488790
SNP_P1_228949_1147649	NW_004516574.1	Scaffold1348_1	1147649	GG	AA	1940488791
SNP_P1_228950_1147657	NW_004516574.1	Scaffold1348_1	1147657	TT	CC	1940488792
SNP_P1_228951_1147904	NW_004516574.1	Scaffold1348_1	1147904	TT	CC	1940488793
SNP_P1_228952_1148212	NW_004516574.1	Scaffold1348_1	1148212	AA	GG	1940488794
SNP_P1_228953_1148218	NW_004516574.1	Scaffold1348_1	1148218	CC	GG	1940488795
SNP_P1_228954_1148242	NW_004516574.1	Scaffold1348_1	1148242	TT	GG	1940488796
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SNP_P1_228963_1152544	NW_004516574.1	Scaffold1348_1	1152544	GG	AA	1940488804
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SNP_P1_228965_1152621	NW_004516574.1	Scaffold1348_1	1152621	TT	CC	1940488806
SNP_P1_228969_1152765	NW_004516574.1	Scaffold1348_1	1152765	GG	AA	1940488807
SNP_P1_228970_1152774	NW_004516574.1	Scaffold1348_1	1152774	CC	TT	1940488808
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SNP_P1_228973_1153201	NW_004516574.1	Scaffold1348_1	1153201	CC	TT	1940488810
SNP_P1_228974_1155141	NW_004516574.1	Scaffold1348_1	1155141	GG	CC	1940488811
SNP_P1_228975_1155208	NW_004516574.1	Scaffold1348_1	1155208	AA	GG	1940488812
SNP_P1_228976_1155281	NW_004516574.1	Scaffold1348_1	1155281	TT	CC	1940488813
SNP_P1_228977_1155333	NW_004516574.1	Scaffold1348_1	1155333	GG	AA	1940488814
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SNP_P1_228979_1155503	NW_004516574.1	Scaffold1348_1	1155503	CC	TT	1940488816
SNP_P1_228980_1155508	NW_004516574.1	Scaffold1348_1	1155508	TT	CC	1940488817
SNP_P1_228981_1156580	NW_004516574.1	Scaffold1348_1	1156580	GG	CC	1940488818

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_228983_1156941	NW_004516574.1	Scaffold1348_1	1156941	CC	TT	1940488820
SNP_P1_228984_1158016	NW_004516574.1	Scaffold1348_1	1158016	AA	GG	1940488821
SNP_P1_228985_1158030	NW_004516574.1	Scaffold1348_1	1158030	AA	GG	1940488822
SNP_P1_228986_1158039	NW_004516574.1	Scaffold1348_1	1158039	GG	TT	1940488823
SNP_P1_228987_1159598	NW_004516574.1	Scaffold1348_1	1159598	GG	CC	1940488824
SNP_P1_228988_1159949	NW_004516574.1	Scaffold1348_1	1159949	CC	TT	1940488825
SNP_P1_228989_1160129	NW_004516574.1	Scaffold1348_1	1160129	GG	AA	1940488826
SNP_P1_228990_1160496	NW_004516574.1	Scaffold1348_1	1160496	AA	TT	1940488827
SNP_P1_228991_1160518	NW_004516574.1	Scaffold1348_1	1160518	CC	TT	1940488828
SNP_P1_228992_1161927	NW_004516574.1	Scaffold1348_1	1161927	CC	TT	1940488829
SNP_P1_228993_1162343	NW_004516574.1	Scaffold1348_1	1162343	AA	GG	1940488830
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SNP_P1_228995_1162595	NW_004516574.1	Scaffold1348_1	1162595	AA	TT	1940488832
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SNP_P1_228997_1162617	NW_004516574.1	Scaffold1348_1	1162617	GG	AA	1940488834
SNP_P1_228998_1167123	NW_004516574.1	Scaffold1348_1	1167123	GG	AA	1940488835
SNP_P1_228999_1167145	NW_004516574.1	Scaffold1348_1	1167145	GG	AA	1940488836
SNP_P1_229000_1167320	NW_004516574.1	Scaffold1348_1	1167320	GG	AA	1940488837
SNP_P1_229001_1170771	NW_004516574.1	Scaffold1348_1	1170771	GG	AA	1940488838
SNP_P1_229002_1170821	NW_004516574.1	Scaffold1348_1	1170821	GG	AA	1940488839
SNP_P1_229003_1172266	NW_004516574.1	Scaffold1348_1	1172266	CC	GG	1940488840
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SNP_P1_229006_1174148	NW_004516574.1	Scaffold1348_1	1174148	AA	TT	1940488843
SNP_P1_229007_1174217	NW_004516574.1	Scaffold1348_1	1174217	CC	AA	1940488844
SNP_P1_229008_1174520	NW_004516574.1	Scaffold1348_1	1174520	AA	GG	1940488845
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SNP_P1_229011_1178680	NW_004516574.1	Scaffold1348_1	1178680	TT	CC	1940488847
SNP_P1_229012_1178925	NW_004516574.1	Scaffold1348_1	1178925	TT	CC	1940488848
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SNP_P1_229015_1179633	NW_004516574.1	Scaffold1348_1	1179633	TT	AA	1940488850
SNP_P1_229016_1179680	NW_004516574.1	Scaffold1348_1	1179680	AA	GG	1940488851
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SNP_P1_229018_1179892	NW_004516574.1	Scaffold1348_1	1179892	GG	AA	1940488853
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SNP_P1_229020_1179915	NW_004516574.1	Scaffold1348_1	1179915	AA	GG	1940488855
SNP_P1_229021_1180130	NW_004516574.1	Scaffold1348_1	1180130	AA	GG	1940488856
SNP_P1_229022_1180227	NW_004516574.1	Scaffold1348_1	1180227	TT	AA	1940488857
SNP_P1_229025_1182313	NW_004516574.1	Scaffold1348_1	1182313	CC	TT	1940488858
SNP_P1_229026_1182330	NW_004516574.1	Scaffold1348_1	1182330	CC	TT	1940488859
SNP_P1_229027_1182598	NW_004516574.1	Scaffold1348_1	1182598	GG	AA	1940488860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229032_1187402	NW_004516574.1	Scaffold1348_1	1187402	GG	CC	1940488863
SNP_P1_229033_1187697	NW_004516574.1	Scaffold1348_1	1187697	AA	GG	1940488864
SNP_P1_229034_1187964	NW_004516574.1	Scaffold1348_1	1187964	GG	TT	1940488865
SNP_P1_229035_1191152	NW_004516574.1	Scaffold1348_1	1191152	AA	CC	1940488866
SNP_P1_229036_1191560	NW_004516574.1	Scaffold1348_1	1191560	CC	TT	1940488867
SNP_P1_229037_1191923	NW_004516574.1	Scaffold1348_1	1191923	TT	CC	1940488868
SNP_P1_229038_1193365	NW_004516574.1	Scaffold1348_1	1193365	AA	GG	1940488869
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SNP_P1_229040_1193794	NW_004516574.1	Scaffold1348_1	1193794	CC	TT	1940488871
SNP_P1_229042_1196410	NW_004516574.1	Scaffold1348_1	1196410	TT	CC	1940488872
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SNP_P1_229070_1204324	NW_004516574.1	Scaffold1348_1	1204324	TT	GG	1940488899
SNP_P1_229071_1205227	NW_004516574.1	Scaffold1348_1	1205227	AA	TT	1940488900
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229076_1205417	NW_004516574.1	Scaffold1348_1	1205417	AA	GG	1940488905
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SNP_P1_229078_1205653	NW_004516574.1	Scaffold1348_1	1205653	CC	TT	1940488907
SNP_P1_229079_1205887	NW_004516574.1	Scaffold1348_1	1205887	CC	GG	1940488908
SNP_P1_229080_1206225	NW_004516574.1	Scaffold1348_1	1206225	CC	TT	1940488909
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SNP_P1_229086_1217065	NW_004516574.1	Scaffold1348_1	1217065	TT	CC	1940488915
SNP_P1_229087_1219708	NW_004516574.1	Scaffold1348_1	1219708	GG	AA	1940488916
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SNP_P1_229089_1225948	NW_004516574.1	Scaffold1348_1	1225948	TT	CC	1940488918
SNP_P1_229090_1225993	NW_004516574.1	Scaffold1348_1	1225993	GG	AA	1940488919
SNP_P1_229091_1225999	NW_004516574.1	Scaffold1348_1	1225999	AA	GG	1940488920
SNP_P1_229092_1226001	NW_004516574.1	Scaffold1348_1	1226001	TT	CC	1940488921
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SNP_P1_229094_1226036	NW_004516574.1	Scaffold1348_1	1226036	CC	TT	1940488923
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SNP_P1_229101_1226358	NW_004516574.1	Scaffold1348_1	1226358	GG	AA	1940488931
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SNP_P1_229108_1231405	NW_004516574.1	Scaffold1348_1	1231405	GG	AA	1940488935
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229125_1239806	NW_004516574.1	Scaffold1348_1	1239806	GG	AA	1940488950
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SNP_P1_229127_1240380	NW_004516574.1	Scaffold1348_1	1240380	CC	TT	1940488952
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SNP_P1_229132_1240701	NW_004516574.1	Scaffold1348_1	1240701	GG	AA	1940488957
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SNP_P1_229137_1241321	NW_004516574.1	Scaffold1348_1	1241321	TT	AA	1940488962
SNP_P1_229138_1241335	NW_004516574.1	Scaffold1348_1	1241335	TT	GG	1940488963
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SNP_P1_229153_1245701	NW_004516574.1	Scaffold1348_1	1245701	GG	AA	1940488977
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SNP_P1_229162_1249844	NW_004516574.1	Scaffold1348_1	1249844	AA	GG	1940488986
SNP_P1_229164_1250181	NW_004516574.1	Scaffold1348_1	1250181	TT	CC	1940488987

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229168_1250414	NW_004516574.1	Scaffold1348_1	1250414	GG	AA	1940488991
SNP_P1_229169_1250429	NW_004516574.1	Scaffold1348_1	1250429	AA	GG	1940488992
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SNP_P1_229172_1250477	NW_004516574.1	Scaffold1348_1	1250477	TT	AA	1940488995
SNP_P1_229173_1250499	NW_004516574.1	Scaffold1348_1	1250499	AA	CC	1940488996
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SNP_P1_229206_1257893	NW_004516574.1	Scaffold1348_1	1257893	CC	TT	1940489026
SNP_P1_229207_1257897	NW_004516574.1	Scaffold1348_1	1257897	TT	GG	1940489027
SNP_P1_229208_1257910	NW_004516574.1	Scaffold1348_1	1257910	CC	TT	1940489028
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229214_1258089	NW_004516574.1	Scaffold1348_1	1258089	TT	CC	1940489034
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SNP_P1_229216_1258288	NW_004516574.1	Scaffold1348_1	1258288	TT	AA	1940489036
SNP_P1_229217_1258534	NW_004516574.1	Scaffold1348_1	1258534	CC	AA	1940489037
SNP_P1_229218_1258561	NW_004516574.1	Scaffold1348_1	1258561	TT	CC	1940489038
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SNP_P1_229251_1268193	NW_004516574.1	Scaffold1348_1	1268193	GG	AA	1940489068
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229295_1290951	NW_004516574.1	Scaffold1348_1	1290951	TT	CC	1940489108
SNP_P1_229296_1292113	NW_004516574.1	Scaffold1348_1	1292113	AA	GG	1940489109
SNP_P1_229297_1292258	NW_004516574.1	Scaffold1348_1	1292258	AA	CC	1940489110
SNP_P1_229298_1292547	NW_004516574.1	Scaffold1348_1	1292547	CC	TT	1940489111
SNP_P1_229299_1294376	NW_004516574.1	Scaffold1348_1	1294376	CC	TT	1940489112
SNP_P1_229300_1294379	NW_004516574.1	Scaffold1348_1	1294379	TT	CC	1940489113
SNP_P1_229301_1294467	NW_004516574.1	Scaffold1348_1	1294467	GG	AA	1940489114

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229303_1294496	NW_004516574.1	Scaffold1348_1	1294496	AA	CC	1940489116
SNP_P1_229304_1294505	NW_004516574.1	Scaffold1348_1	1294505	TT	CC	1940489117
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SNP_P1_229306_1294664	NW_004516574.1	Scaffold1348_1	1294664	TT	CC	1940489119
SNP_P1_229307_1294675	NW_004516574.1	Scaffold1348_1	1294675	AA	TT	1940489120
SNP_P1_229308_1294825	NW_004516574.1	Scaffold1348_1	1294825	TT	GG	1940489121
SNP_P1_229309_1294892	NW_004516574.1	Scaffold1348_1	1294892	CC	TT	1940489122
SNP_P1_229311_1295145	NW_004516574.1	Scaffold1348_1	1295145	AA	GG	1940489123
SNP_P1_229312_1295199	NW_004516574.1	Scaffold1348_1	1295199	CC	TT	1940489124
SNP_P1_229313_1295456	NW_004516574.1	Scaffold1348_1	1295456	CC	TT	1940489125
SNP_P1_229314_1295532	NW_004516574.1	Scaffold1348_1	1295532	TT	CC	1940489126
SNP_P1_229315_1295703	NW_004516574.1	Scaffold1348_1	1295703	GG	CC	1940489127
SNP_P1_229316_1295724	NW_004516574.1	Scaffold1348_1	1295724	GG	CC	1940489128
SNP_P1_229317_1295775	NW_004516574.1	Scaffold1348_1	1295775	CC	TT	1940489129
SNP_P1_229318_1295798	NW_004516574.1	Scaffold1348_1	1295798	TT	CC	1940489130
SNP_P1_229319_1295840	NW_004516574.1	Scaffold1348_1	1295840	TT	CC	1940489131
SNP_P1_229320_1295851	NW_004516574.1	Scaffold1348_1	1295851	CC	TT	1940489132
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SNP_P1_229329_1296918	NW_004516574.1	Scaffold1348_1	1296918	AA	GG	1940489141
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SNP_P1_229333_1297571	NW_004516574.1	Scaffold1348_1	1297571	GG	TT	1940489145
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SNP_P1_229339_1298364	NW_004516574.1	Scaffold1348_1	1298364	TT	CC	1940489150
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SNP_P1_229343_1298647	NW_004516574.1	Scaffold1348_1	1298647	AA	TT	1940489154
SNP_P1_229345_1299452	NW_004516574.1	Scaffold1348_1	1299452	CC	GG	1940489155
SNP_P1_229346_1299468	NW_004516574.1	Scaffold1348_1	1299468	CC	TT	1940489156

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229350_1300165	NW_004516574.1	Scaffold1348_1	1300165	GG	AA	1940489160
SNP_P1_229351_1300859	NW_004516574.1	Scaffold1348_1	1300859	GG	AA	1940489161
SNP_P1_229352_1300904	NW_004516574.1	Scaffold1348_1	1300904	AA	GG	1940489162
SNP_P1_229353_1300928	NW_004516574.1	Scaffold1348_1	1300928	AA	GG	1940489163
SNP_P1_229354_1300952	NW_004516574.1	Scaffold1348_1	1300952	TT	AA	1940489164
SNP_P1_229355_1300964	NW_004516574.1	Scaffold1348_1	1300964	AA	GG	1940489165
SNP_P1_229356_1301118	NW_004516574.1	Scaffold1348_1	1301118	CC	TT	1940489166
SNP_P1_229357_1301172	NW_004516574.1	Scaffold1348_1	1301172	CC	TT	1940489167
SNP_P1_229358_1301283	NW_004516574.1	Scaffold1348_1	1301283	TT	AA	1940489168
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SNP_P1_229360_1301811	NW_004516574.1	Scaffold1348_1	1301811	CC	TT	1940489170
SNP_P1_229361_1302070	NW_004516574.1	Scaffold1348_1	1302070	GG	AA	1940489171
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SNP_P1_229375_1306963	NW_004516574.1	Scaffold1348_1	1306963	GG	AA	1940489183
SNP_P1_229376_1306978	NW_004516574.1	Scaffold1348_1	1306978	AA	GG	1940489184
SNP_P1_229377_1306987	NW_004516574.1	Scaffold1348_1	1306987	CC	GG	1940489185
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SNP_P1_229385_1308651	NW_004516574.1	Scaffold1348_1	1308651	TT	CC	1940489192
SNP_P1_229386_1308662	NW_004516574.1	Scaffold1348_1	1308662	AA	TT	1940489193
SNP_P1_229387_1308802	NW_004516574.1	Scaffold1348_1	1308802	AA	GG	1940489194
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SNP_P1_229390_1308858	NW_004516574.1	Scaffold1348_1	1308858	TT	GG	1940489197
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229395_1314523	NW_004516574.1	Scaffold1348_1	1314523	GG	AA	1940489202
SNP_P1_229396_1314555	NW_004516574.1	Scaffold1348_1	1314555	TT	CC	1940489203
SNP_P1_229397_1314698	NW_004516574.1	Scaffold1348_1	1314698	TT	AA	1940489204
SNP_P1_229398_1314742	NW_004516574.1	Scaffold1348_1	1314742	TT	CC	1940489205
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SNP_P1_229401_1315942	NW_004516574.1	Scaffold1348_1	1315942	TT	AA	1940489208
SNP_P1_229403_1316930	NW_004516574.1	Scaffold1348_1	1316930	TT	CC	1940489209
SNP_P1_229404_1316932	NW_004516574.1	Scaffold1348_1	1316932	CC	TT	1940489210
SNP_P1_229405_1316974	NW_004516574.1	Scaffold1348_1	1316974	GG	AA	1940489211
SNP_P1_229406_1317033	NW_004516574.1	Scaffold1348_1	1317033	AA	GG	1940489212
SNP_P1_229407_1317035	NW_004516574.1	Scaffold1348_1	1317035	AA	GG	1940489213
SNP_P1_229408_1317311	NW_004516574.1	Scaffold1348_1	1317311	GG	AA	1940489214
SNP_P1_229409_1317719	NW_004516574.1	Scaffold1348_1	1317719	CC	TT	1940489215
SNP_P1_229410_1318037	NW_004516574.1	Scaffold1348_1	1318037	CC	AA	1940489216
SNP_P1_229411_1318197	NW_004516574.1	Scaffold1348_1	1318197	CC	AA	1940489217
SNP_P1_229412_1318253	NW_004516574.1	Scaffold1348_1	1318253	CC	TT	1940489218
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SNP_P1_229414_1323074	NW_004516574.1	Scaffold1348_1	1323074	GG	TT	1940489220
SNP_P1_229415_1323076	NW_004516574.1	Scaffold1348_1	1323076	AA	TT	1940489221
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SNP_P1_229421_1323264	NW_004516574.1	Scaffold1348_1	1323264	CC	TT	1940489227
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SNP_P1_229423_1323277	NW_004516574.1	Scaffold1348_1	1323277	CC	TT	1940489229
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SNP_P1_229430_1325862	NW_004516574.1	Scaffold1348_1	1325862	TT	CC	1940489236
SNP_P1_229431_1326876	NW_004516574.1	Scaffold1348_1	1326876	CC	TT	1940489238
SNP_P1_229432_1326881	NW_004516574.1	Scaffold1348_1	1326881	GG	AA	1940489239
SNP_P1_229433_1326925	NW_004516574.1	Scaffold1348_1	1326925	GG	TT	1940489240
SNP_P1_229434_1326972	NW_004516574.1	Scaffold1348_1	1326972	GG	TT	1940489241

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229436_1327187	NW_004516574.1	Scaffold1348_1	1327187	GG	TT	1940489243
SNP_P1_229437_1327803	NW_004516574.1	Scaffold1348_1	1327803	GG	CC	1940489244
SNP_P1_229438_1328839	NW_004516574.1	Scaffold1348_1	1328839	GG	AA	1940489245
SNP_P1_229439_1329801	NW_004516574.1	Scaffold1348_1	1329801	AA	GG	1940489246
SNP_P1_229440_1329804	NW_004516574.1	Scaffold1348_1	1329804	TT	CC	1940489247
SNP_P1_229441_1329805	NW_004516574.1	Scaffold1348_1	1329805	TT	CC	1940489248
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SNP_P1_229444_1330052	NW_004516574.1	Scaffold1348_1	1330052	TT	GG	1940489250
SNP_P1_229445_1330053	NW_004516574.1	Scaffold1348_1	1330053	TT	GG	1940489251
SNP_P1_229446_1330054	NW_004516574.1	Scaffold1348_1	1330054	TT	CC	1940489252
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SNP_P1_229477_1337152	NW_004516574.1	Scaffold1348_1	1337152	TT	CC	1940489280
SNP_P1_229478_1337154	NW_004516574.1	Scaffold1348_1	1337154	TT	GG	1940489281
SNP_P1_229479_1337186	NW_004516574.1	Scaffold1348_1	1337186	CC	GG	1940489282
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229483_1337376	NW_004516574.1	Scaffold1348_1	1337376	AA	GG	1940489286
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SNP_P1_229485_1337524	NW_004516574.1	Scaffold1348_1	1337524	CC	TT	1940489288
SNP_P1_229486_1339206	NW_004516574.1	Scaffold1348_1	1339206	GG	AA	1940489289
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SNP_P1_229488_1339239	NW_004516574.1	Scaffold1348_1	1339239	TT	CC	1940489291
SNP_P1_229489_1339986	NW_004516574.1	Scaffold1348_1	1339986	GG	TT	1940489292
SNP_P1_229490_1340016	NW_004516574.1	Scaffold1348_1	1340016	AA	TT	1940489293
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SNP_P1_229496_1341651	NW_004516574.1	Scaffold1348_1	1341651	CC	TT	1940489299
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229540_1358280	NW_004516574.1	Scaffold1348_1	1358280	AA	CC	1940489338
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229615_1384039	NW_004516574.1	Scaffold1348_1	1384039	CC	GG	1940489408
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229660_161	NW_004516576.1	Scaffold1351	161	AA	TT	1940489449
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229668_22449	NW_004516576.1	Scaffold1351	22449	AA	CC	1940489455
SNP_P1_229669_32021	NW_004516576.1	Scaffold1351	32021	GG	TT	1940489456
SNP_P1_229670_45779	NW_004516576.1	Scaffold1351	45779	TT	CC	1940489457
SNP_P1_229672_62536	NW_004516576.1	Scaffold1351	62536	CC	TT	1940489458
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SNP_P1_229674_62548	NW_004516576.1	Scaffold1351	62548	CC	AA	1940489460
SNP_P1_229675_62568	NW_004516576.1	Scaffold1351	62568	GG	AA	1940489461
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SNP_P1_229710_332801	NW_004516576.1	Scaffold1351	332801	AA	GG	1940489492
SNP_P1_229711_332808	NW_004516576.1	Scaffold1351	332808	CC	AA	1940489493
SNP_P1_229712_332811	NW_004516576.1	Scaffold1351	332811	CC	TT	1940489494

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_229713_333082	NW_004516576.1	Scaffold1351	333082	TT	CC	1940489495
SNP_P1_229714_335400	NW_004516576.1	Scaffold1351	335400	CC	TT	1940489496
SNP_P1_229715_342056	NW_004516576.1	Scaffold1351	342056	AA	GG	1940489497
SNP_P1_229716_342422	NW_004516576.1	Scaffold1351	342422	GG	AA	1940489498
SNP_P1_229717_342503	NW_004516576.1	Scaffold1351	342503	TT	GG	1940489499
SNP_P1_229718_342783	NW_004516576.1	Scaffold1351	342783	GG	TT	1940489500
SNP_P1_229719_342835	NW_004516576.1	Scaffold1351	342835	TT	CC	1940489501
SNP_P1_229720_350106	NW_004516576.1	Scaffold1351	350106	CC	TT	1940489502
SNP_P1_229721_365730	NW_004516576.1	Scaffold1351	365730	GG	AA	1940489503
SNP_P1_229722_365754	NW_004516576.1	Scaffold1351	365754	TT	CC	1940489504
SNP_P1_229723_365774	NW_004516576.1	Scaffold1351	365774	CC	TT	1940489505
SNP_P1_229724_365783	NW_004516576.1	Scaffold1351	365783	CC	AA	1940489506
SNP_P1_229725_366068	NW_004516576.1	Scaffold1351	366068	GG	TT	1940489507
SNP_P1_229726_366092	NW_004516576.1	Scaffold1351	366092	CC	TT	1940489508
SNP_P1_229727_366108	NW_004516576.1	Scaffold1351	366108	AA	GG	1940489509
SNP_P1_229728_724	NW_004516578.1	Scaffold1353	724	TT	AA	1940489510
SNP_P1_229729_744	NW_004516578.1	Scaffold1353	744	TT	CC	1940489511
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SNP_P1_229731_20759	NW_004516578.1	Scaffold1353	20759	CC	AA	1940489513
SNP_P1_229732_3684	NW_004516579.1	Scaffold1354	3684	AA	GG	1940489514
SNP_P1_229733_405	NW_004516582.1	Scaffold1358	405	AA	TT	1940489515
SNP_P1_229734_476	NW_004516582.1	Scaffold1358	476	CC	TT	1940489516
SNP_P1_229735_501	NW_004516582.1	Scaffold1358	501	TT	CC	1940489517
SNP_P1_229736_522	NW_004516582.1	Scaffold1358	522	TT	CC	1940489518
SNP_P1_229737_578	NW_004516582.1	Scaffold1358	578	AA	GG	1940489519
SNP_P1_229738_682	NW_004516582.1	Scaffold1358	682	TT	CC	1940489520
SNP_P1_229739_705	NW_004516582.1	Scaffold1358	705	CC	AA	1940489521
SNP_P1_229740_732	NW_004516582.1	Scaffold1358	732	AA	CC	1940489522
SNP_P1_229741_752	NW_004516582.1	Scaffold1358	752	GG	AA	1940489523
SNP_P1_229742_765	NW_004516582.1	Scaffold1358	765	CC	TT	1940489524
SNP_P1_229744_812	NW_004516582.1	Scaffold1358	812	CC	AA	1940489525
SNP_P1_229745_814	NW_004516582.1	Scaffold1358	814	AA	TT	1940489526
SNP_P1_229746_976	NW_004516582.1	Scaffold1358	976	CC	TT	1940489527
SNP_P1_229747_1017	NW_004516582.1	Scaffold1358	1017	GG	AA	1940489528
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SNP_P1_229749_1034	NW_004516582.1	Scaffold1358	1034	AA	CC	1940489530
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SNP_P1_229751_1101	NW_004516582.1	Scaffold1358	1101	CC	TT	1940489532
SNP_P1_229752_1229	NW_004516582.1	Scaffold1358	1229	AA	CC	1940489533
SNP_P1_229753_1241	NW_004516582.1	Scaffold1358	1241	AA	GG	1940489534
SNP_P1_229754_1281	NW_004516582.1	Scaffold1358	1281	CC	TT	1940489535
SNP_P1_229755_1295	NW_004516582.1	Scaffold1358	1295	CC	TT	1940489536

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229757_4697	NW_004516582.1	Scaffold1358	4697	AA	GG	1940489538
SNP_P1_229758_4700	NW_004516582.1	Scaffold1358	4700	AA	GG	1940489539
SNP_P1_229759_9749	NW_004516582.1	Scaffold1358	9749	AA	GG	1940489540
SNP_P1_229760_9797	NW_004516582.1	Scaffold1358	9797	TT	AA	1940489541
SNP_P1_229761_10073	NW_004516582.1	Scaffold1358	10073	GG	AA	1940489542
SNP_P1_229762_10138	NW_004516582.1	Scaffold1358	10138	CC	AA	1940489543
SNP_P1_229763_10227	NW_004516582.1	Scaffold1358	10227	AA	CC	1940489544
SNP_P1_229764_10289	NW_004516582.1	Scaffold1358	10289	AA	TT	1940489545
SNP_P1_229765_10360	NW_004516582.1	Scaffold1358	10360	CC	AA	1940489546
SNP_P1_229766_10592	NW_004516582.1	Scaffold1358	10592	GG	AA	1940489547
SNP_P1_229767_10697	NW_004516582.1	Scaffold1358	10697	GG	AA	1940489549
SNP_P1_229768_10858	NW_004516582.1	Scaffold1358	10858	AA	GG	1940489550
SNP_P1_229769_11757	NW_004516582.1	Scaffold1358	11757	AA	GG	1940489551
SNP_P1_229770_11825	NW_004516582.1	Scaffold1358	11825	AA	GG	1940489552
SNP_P1_229771_11832	NW_004516582.1	Scaffold1358	11832	CC	TT	1940489553
SNP_P1_229772_11940	NW_004516582.1	Scaffold1358	11940	CC	TT	1940489554
SNP_P1_229773_12062	NW_004516582.1	Scaffold1358	12062	CC	GG	1940489555
SNP_P1_229774_12088	NW_004516582.1	Scaffold1358	12088	CC	GG	1940489556
SNP_P1_229775_12128	NW_004516582.1	Scaffold1358	12128	AA	GG	1940489557
SNP_P1_229776_2094	NW_004516583.1	Scaffold1359	2094	AA	TT	1940489558
SNP_P1_229777_3859	NW_004516583.1	Scaffold1359	3859	TT	CC	1940489559
SNP_P1_229778_34062	NW_004516583.1	Scaffold1359	34062	GG	TT	1940489560
SNP_P1_229779_43334	NW_004516583.1	Scaffold1359	43334	AA	GG	1940489561
SNP_P1_229780_44225	NW_004516583.1	Scaffold1359	44225	TT	AA	1940489562
SNP_P1_229781_47285	NW_004516583.1	Scaffold1359	47285	GG	CC	1940489563
SNP_P1_229782_48159	NW_004516583.1	Scaffold1359	48159	AA	CC	1940489564
SNP_P1_229783_53244	NW_004516583.1	Scaffold1359	53244	TT	CC	1940489565
SNP_P1_229784_57505	NW_004516583.1	Scaffold1359	57505	TT	CC	1940489566
SNP_P1_229785_57514	NW_004516583.1	Scaffold1359	57514	CC	TT	1940489567
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SNP_P1_229789_57568	NW_004516583.1	Scaffold1359	57568	GG	AA	1940489571
SNP_P1_229790_57676	NW_004516583.1	Scaffold1359	57676	AA	TT	1940489572
SNP_P1_229791_58608	NW_004516583.1	Scaffold1359	58608	AA	GG	1940489573
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SNP_P1_229794_74383	NW_004516583.1	Scaffold1359	74383	TT	AA	1940489575
SNP_P1_229796_74645	NW_004516583.1	Scaffold1359	74645	AA	GG	1940489576
SNP_P1_229797_74688	NW_004516583.1	Scaffold1359	74688	AA	TT	1940489577
SNP_P1_229798_74690	NW_004516583.1	Scaffold1359	74690	CC	TT	1940489578
SNP_P1_229799_97442	NW_004516583.1	Scaffold1359	97442	TT	CC	1940489579

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229802_98497	NW_004516583.1	Scaffold1359	98497	TT	CC	1940489582
SNP_P1_229803_98505	NW_004516583.1	Scaffold1359	98505	AA	GG	1940489583
SNP_P1_229804_99544	NW_004516583.1	Scaffold1359	99544	TT	CC	1940489584
SNP_P1_229805_99547	NW_004516583.1	Scaffold1359	99547	AA	CC	1940489585
SNP_P1_229806_99597	NW_004516583.1	Scaffold1359	99597	GG	AA	1940489586
SNP_P1_229807_99610	NW_004516583.1	Scaffold1359	99610	AA	TT	1940489587
SNP_P1_229808_99618	NW_004516583.1	Scaffold1359	99618	CC	TT	1940489588
SNP_P1_229809_99641	NW_004516583.1	Scaffold1359	99641	TT	CC	1940489589
SNP_P1_229810_99642	NW_004516583.1	Scaffold1359	99642	CC	AA	1940489590
SNP_P1_229811_99657	NW_004516583.1	Scaffold1359	99657	TT	CC	1940489591
SNP_P1_229812_99660	NW_004516583.1	Scaffold1359	99660	AA	GG	1940489592
SNP_P1_229813_101209	NW_004516583.1	Scaffold1359	101209	TT	CC	1940489593
SNP_P1_229814_101234	NW_004516583.1	Scaffold1359	101234	TT	CC	1940489594
SNP_P1_229815_109129	NW_004516583.1	Scaffold1359	109129	CC	TT	1940489595
SNP_P1_229816_110120	NW_004516583.1	Scaffold1359	110120	TT	CC	1940489596
SNP_P1_229817_115102	NW_004516583.1	Scaffold1359	115102	GG	TT	1940489597
SNP_P1_229818_115186	NW_004516583.1	Scaffold1359	115186	TT	CC	1940489598
SNP_P1_229819_116068	NW_004516583.1	Scaffold1359	116068	CC	TT	1940489599
SNP_P1_229820_126901	NW_004516583.1	Scaffold1359	126901	TT	GG	1940489600
SNP_P1_229822_2830	NW_004516584.1	Scaffold1360	2830	CC	TT	1940489601
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SNP_P1_229824_6900	NW_004516584.1	Scaffold1360	6900	GG	AA	1940489603
SNP_P1_229825_10528	NW_004516584.1	Scaffold1360	10528	CC	AA	1940489604
SNP_P1_229826_14198	NW_004516584.1	Scaffold1360	14198	GG	TT	1940489605
SNP_P1_229827_14236	NW_004516584.1	Scaffold1360	14236	AA	GG	1940489606
SNP_P1_229828_14311	NW_004516584.1	Scaffold1360	14311	CC	GG	1940489607
SNP_P1_229829_14354	NW_004516584.1	Scaffold1360	14354	AA	GG	1940489608
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SNP_P1_229832_16801	NW_004516584.1	Scaffold1360	16801	TT	CC	1940489610
SNP_P1_229833_17222	NW_004516584.1	Scaffold1360	17222	GG	TT	1940489611
SNP_P1_229834_17301	NW_004516584.1	Scaffold1360	17301	GG	AA	1940489612
SNP_P1_229835_17318	NW_004516584.1	Scaffold1360	17318	AA	CC	1940489613
SNP_P1_229837_17417	NW_004516584.1	Scaffold1360	17417	TT	GG	1940489614
SNP_P1_229838_17450	NW_004516584.1	Scaffold1360	17450	GG	AA	1940489615
SNP_P1_229839_13098	NW_004516585.1	Scaffold1361	13098	CC	TT	1940489616
SNP_P1_229840_13101	NW_004516585.1	Scaffold1361	13101	CC	TT	1940489617
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SNP_P1_229842_1745	NW_004516587.1	Scaffold1364	1745	TT	GG	1940489619
SNP_P1_229843_46542	NW_004516587.1	Scaffold1364	46542	AA	CC	1940489620
SNP_P1_229844_68030	NW_004516587.1	Scaffold1364	68030	GG	AA	1940489621

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229846_76710	NW_004516587.1	Scaffold1364	76710	CC	TT	1940489623
SNP_P1_229847_76885	NW_004516587.1	Scaffold1364	76885	TT	AA	1940489624
SNP_P1_229848_77265	NW_004516587.1	Scaffold1364	77265	AA	TT	1940489625
SNP_P1_229849_79340	NW_004516587.1	Scaffold1364	79340	GG	AA	1940489626
SNP_P1_229852_91374	NW_004516587.1	Scaffold1364	91374	GG	TT	1940489627
SNP_P1_229853_91375	NW_004516587.1	Scaffold1364	91375	GG	TT	1940489628
SNP_P1_229854_110485	NW_004516587.1	Scaffold1364	110485	AA	GG	1940489629
SNP_P1_229855_110636	NW_004516587.1	Scaffold1364	110636	TT	AA	1940489630
SNP_P1_229856_110649	NW_004516587.1	Scaffold1364	110649	TT	CC	1940489631
SNP_P1_229857_110650	NW_004516587.1	Scaffold1364	110650	GG	TT	1940489632
SNP_P1_229858_110670	NW_004516587.1	Scaffold1364	110670	TT	CC	1940489633
SNP_P1_229859_110691	NW_004516587.1	Scaffold1364	110691	CC	TT	1940489634
SNP_P1_229860_110722	NW_004516587.1	Scaffold1364	110722	GG	AA	1940489635
SNP_P1_229861_111052	NW_004516587.1	Scaffold1364	111052	TT	CC	1940489636
SNP_P1_229862_111820	NW_004516587.1	Scaffold1364	111820	AA	GG	1940489637
SNP_P1_229863_114925	NW_004516587.1	Scaffold1364	114925	GG	AA	1940489638
SNP_P1_229864_123156	NW_004516587.1	Scaffold1364	123156	GG	AA	1940489639
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SNP_P1_229867_136991	NW_004516587.1	Scaffold1364	136991	CC	GG	1940489642
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SNP_P1_229874_153488	NW_004516587.1	Scaffold1364	153488	TT	CC	1940489648
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SNP_P1_229876_154959	NW_004516587.1	Scaffold1364	154959	AA	TT	1940489650
SNP_P1_229877_154969	NW_004516587.1	Scaffold1364	154969	GG	AA	1940489651
SNP_P1_229878_155381	NW_004516587.1	Scaffold1364	155381	AA	GG	1940489652
SNP_P1_229879_486	NW_004516588.1	Scaffold1365	486	TT	CC	1940489653
SNP_P1_229880_528	NW_004516588.1	Scaffold1365	528	GG	CC	1940489654
SNP_P1_229881_604	NW_004516588.1	Scaffold1365	604	AA	TT	1940489655
SNP_P1_229882_682	NW_004516588.1	Scaffold1365	682	CC	AA	1940489656
SNP_P1_229884_868	NW_004516588.1	Scaffold1365	868	GG	CC	1940489657
SNP_P1_229885_1039	NW_004516588.1	Scaffold1365	1039	TT	AA	1940489658
SNP_P1_229886_5640	NW_004516588.1	Scaffold1365	5640	AA	GG	1940489659
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SNP_P1_229888_7112	NW_004516588.1	Scaffold1365	7112	TT	AA	1940489661
SNP_P1_229889_7404	NW_004516588.1	Scaffold1365	7404	GG	AA	1940489662
SNP_P1_229890_7426	NW_004516588.1	Scaffold1365	7426	TT	GG	1940489663

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229893_7682	NW_004516588.1	Scaffold1365	7682	AA	TT	1940489666
SNP_P1_229894_7744	NW_004516588.1	Scaffold1365	7744	AA	TT	1940489667
SNP_P1_229895_7760	NW_004516588.1	Scaffold1365	7760	GG	TT	1940489668
SNP_P1_229896_7768	NW_004516588.1	Scaffold1365	7768	CC	TT	1940489669
SNP_P1_229897_7774	NW_004516588.1	Scaffold1365	7774	GG	CC	1940489670
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SNP_P1_229899_8126	NW_004516588.1	Scaffold1365	8126	CC	TT	1940489672
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SNP_P1_229901_8130	NW_004516588.1	Scaffold1365	8130	TT	CC	1940489674
SNP_P1_229902_8200	NW_004516588.1	Scaffold1365	8200	TT	AA	1940489675
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SNP_P1_229904_8227	NW_004516588.1	Scaffold1365	8227	TT	AA	1940489677
SNP_P1_229905_8260	NW_004516588.1	Scaffold1365	8260	TT	CC	1940489678
SNP_P1_229906_8265	NW_004516588.1	Scaffold1365	8265	CC	GG	1940489679
SNP_P1_229907_8277	NW_004516588.1	Scaffold1365	8277	GG	AA	1940489680
SNP_P1_229908_8335	NW_004516588.1	Scaffold1365	8335	CC	TT	1940489681
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SNP_P1_229913_8468	NW_004516588.1	Scaffold1365	8468	CC	GG	1940489686
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SNP_P1_229917_8723	NW_004516588.1	Scaffold1365	8723	TT	GG	1940489690
SNP_P1_229918_8871	NW_004516588.1	Scaffold1365	8871	AA	GG	1940489691
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SNP_P1_229920_18215	NW_004516588.1	Scaffold1365	18215	CC	AA	1940489693
SNP_P1_229921_18552	NW_004516588.1	Scaffold1365	18552	AA	TT	1940489694
SNP_P1_229922_19068	NW_004516588.1	Scaffold1365	19068	TT	GG	1940489695
SNP_P1_229924_60744	NW_004516588.1	Scaffold1365	60744	TT	AA	1940489696
SNP_P1_229925_65870	NW_004516588.1	Scaffold1365	65870	CC	TT	1940489697
SNP_P1_229926_65880	NW_004516588.1	Scaffold1365	65880	GG	TT	1940489699
SNP_P1_229927_65904	NW_004516588.1	Scaffold1365	65904	AA	TT	1940489700
SNP_P1_229928_65905	NW_004516588.1	Scaffold1365	65905	TT	GG	1940489701
SNP_P1_229930_74118	NW_004516588.1	Scaffold1365	74118	CC	TT	1940489702
SNP_P1_229934_74762	NW_004516588.1	Scaffold1365	74762	AA	GG	1940489703
SNP_P1_229935_86271	NW_004516588.1	Scaffold1365	86271	TT	CC	1940489704
SNP_P1_229936_86598	NW_004516588.1	Scaffold1365	86598	TT	AA	1940489705
SNP_P1_229937_86662	NW_004516588.1	Scaffold1365	86662	CC	TT	1940489706

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229939_86862	NW_004516588.1	Scaffold1365	86862	TT	CC	1940489708
SNP_P1_229940_86973	NW_004516588.1	Scaffold1365	86973	AA	GG	1940489709
SNP_P1_229941_86983	NW_004516588.1	Scaffold1365	86983	GG	AA	1940489710
SNP_P1_229942_86993	NW_004516588.1	Scaffold1365	86993	TT	CC	1940489711
SNP_P1_229943_87050	NW_004516588.1	Scaffold1365	87050	CC	GG	1940489712
SNP_P1_229944_87505	NW_004516588.1	Scaffold1365	87505	GG	TT	1940489713
SNP_P1_229945_87506	NW_004516588.1	Scaffold1365	87506	TT	GG	1940489714
SNP_P1_229946_87526	NW_004516588.1	Scaffold1365	87526	CC	AA	1940489715
SNP_P1_229947_87551	NW_004516588.1	Scaffold1365	87551	CC	AA	1940489716
SNP_P1_229948_87753	NW_004516588.1	Scaffold1365	87753	GG	AA	1940489717
SNP_P1_229949_87762	NW_004516588.1	Scaffold1365	87762	TT	CC	1940489718
SNP_P1_229950_87764	NW_004516588.1	Scaffold1365	87764	CC	GG	1940489719
SNP_P1_229951_87800	NW_004516588.1	Scaffold1365	87800	AA	TT	1940489720
SNP_P1_229952_89127	NW_004516588.1	Scaffold1365	89127	GG	AA	1940489721
SNP_P1_229953_95518	NW_004516588.1	Scaffold1365	95518	AA	TT	1940489722
SNP_P1_229954_95620	NW_004516588.1	Scaffold1365	95620	GG	AA	1940489723
SNP_P1_229955_96086	NW_004516588.1	Scaffold1365	96086	GG	TT	1940489724
SNP_P1_229956_96106	NW_004516588.1	Scaffold1365	96106	CC	TT	1940489725
SNP_P1_229957_96527	NW_004516588.1	Scaffold1365	96527	TT	CC	1940489726
SNP_P1_229958_96624	NW_004516588.1	Scaffold1365	96624	CC	TT	1940489727
SNP_P1_229959_96631	NW_004516588.1	Scaffold1365	96631	AA	TT	1940489728
SNP_P1_229960_96864	NW_004516588.1	Scaffold1365	96864	GG	AA	1940489729
SNP_P1_229961_97347	NW_004516588.1	Scaffold1365	97347	CC	TT	1940489730
SNP_P1_229962_97469	NW_004516588.1	Scaffold1365	97469	TT	CC	1940489731
SNP_P1_229963_98724	NW_004516588.1	Scaffold1365	98724	TT	CC	1940489732
SNP_P1_229964_98787	NW_004516588.1	Scaffold1365	98787	GG	CC	1940489733
SNP_P1_229965_98885	NW_004516588.1	Scaffold1365	98885	CC	AA	1940489734
SNP_P1_229966_98901	NW_004516588.1	Scaffold1365	98901	TT	GG	1940489735
SNP_P1_229967_99083	NW_004516588.1	Scaffold1365	99083	AA	TT	1940489736
SNP_P1_229968_99146	NW_004516588.1	Scaffold1365	99146	AA	GG	1940489737
SNP_P1_229969_99150	NW_004516588.1	Scaffold1365	99150	GG	TT	1940489738
SNP_P1_229970_99268	NW_004516588.1	Scaffold1365	99268	CC	TT	1940489739
SNP_P1_229971_99351	NW_004516588.1	Scaffold1365	99351	CC	AA	1940489740
SNP_P1_229972_99834	NW_004516588.1	Scaffold1365	99834	GG	TT	1940489741
SNP_P1_229973_101603	NW_004516588.1	Scaffold1365	101603	AA	TT	1940489742
SNP_P1_229974_102505	NW_004516588.1	Scaffold1365	102505	AA	GG	1940489743
SNP_P1_229975_102523	NW_004516588.1	Scaffold1365	102523	GG	TT	1940489744
SNP_P1_229976_104475	NW_004516588.1	Scaffold1365	104475	AA	TT	1940489745
SNP_P1_229977_104476	NW_004516588.1	Scaffold1365	104476	TT	CC	1940489746
SNP_P1_229978_104504	NW_004516588.1	Scaffold1365	104504	AA	TT	1940489747
SNP_P1_229979_104524	NW_004516588.1	Scaffold1365	104524	CC	GG	1940489748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_229981_106169	NW_004516588.1	Scaffold1365	106169	GG	AA	1940489750
SNP_P1_229982_111618	NW_004516588.1	Scaffold1365	111618	TT	GG	1940489751
SNP_P1_229983_157	NW_004516589.1	Scaffold1366	157	TT	CC	1940489752
SNP_P1_229984_231	NW_004516589.1	Scaffold1366	231	AA	TT	1940489753
SNP_P1_229985_689	NW_004516589.1	Scaffold1366	689	AA	TT	1940489754
SNP_P1_229986_1046	NW_004516589.1	Scaffold1366	1046	AA	GG	1940489755
SNP_P1_229987_5776	NW_004516590.1	Scaffold1367	5776	TT	GG	1940489756
SNP_P1_229988_6485	NW_004516590.1	Scaffold1367	6485	GG	TT	1940489757
SNP_P1_229990_13445	NW_004516590.1	Scaffold1367	13445	CC	TT	1940489758
SNP_P1_229991_13672	NW_004516590.1	Scaffold1367	13672	CC	TT	1940489759
SNP_P1_229992_22302	NW_004516590.1	Scaffold1367	22302	CC	TT	1940489760
SNP_P1_229993_22363	NW_004516590.1	Scaffold1367	22363	TT	GG	1940489761
SNP_P1_229994_22371	NW_004516590.1	Scaffold1367	22371	AA	CC	1940489762
SNP_P1_229995_22398	NW_004516590.1	Scaffold1367	22398	AA	GG	1940489763
SNP_P1_229996_22418	NW_004516590.1	Scaffold1367	22418	AA	TT	1940489764
SNP_P1_229997_22710	NW_004516590.1	Scaffold1367	22710	GG	CC	1940489765
SNP_P1_229998_28125	NW_004516590.1	Scaffold1367	28125	AA	TT	1940489766
SNP_P1_229999_29297	NW_004516590.1	Scaffold1367	29297	TT	GG	1940489767
SNP_P1_230000_29995	NW_004516590.1	Scaffold1367	29995	TT	GG	1940489768
SNP_P1_230001_31184	NW_004516590.1	Scaffold1367	31184	CC	TT	1940489769
SNP_P1_230002_683	NW_004516591.1	Scaffold1368	683	CC	TT	1940489770
SNP_P1_230003_866	NW_004516591.1	Scaffold1368	866	TT	CC	1940489771
SNP_P1_230004_5116	NW_004516592.1	Scaffold1369	5116	CC	AA	1940489772
SNP_P1_230005_16122	NW_004516592.1	Scaffold1369	16122	CC	TT	1940489773
SNP_P1_230006_31680	NW_004516592.1	Scaffold1369	31680	CC	TT	1940489774
SNP_P1_230007_48257	NW_004516592.1	Scaffold1369	48257	AA	GG	1940489775
SNP_P1_230008_68091	NW_004516592.1	Scaffold1369	68091	AA	CC	1940489776
SNP_P1_230009_68092	NW_004516592.1	Scaffold1369	68092	GG	AA	1940489777
SNP_P1_230010_75583	NW_004516592.1	Scaffold1369	75583	AA	GG	1940489778
SNP_P1_230011_76646	NW_004516592.1	Scaffold1369	76646	TT	AA	1940489779
SNP_P1_230012_76676	NW_004516592.1	Scaffold1369	76676	TT	CC	1940489780
SNP_P1_230013_76677	NW_004516592.1	Scaffold1369	76677	CC	TT	1940489781
SNP_P1_230014_76723	NW_004516592.1	Scaffold1369	76723	CC	AA	1940489782
SNP_P1_230015_76742	NW_004516592.1	Scaffold1369	76742	AA	GG	1940489783
SNP_P1_230016_77014	NW_004516592.1	Scaffold1369	77014	AA	GG	1940489784
SNP_P1_230017_77113	NW_004516592.1	Scaffold1369	77113	TT	GG	1940489785
SNP_P1_230018_77140	NW_004516592.1	Scaffold1369	77140	AA	GG	1940489786
SNP_P1_230019_77199	NW_004516592.1	Scaffold1369	77199	GG	TT	1940489787
SNP_P1_230020_81027	NW_004516592.1	Scaffold1369	81027	AA	GG	1940489788
SNP_P1_230021_112290	NW_004516592.1	Scaffold1369	112290	AA	GG	1940489789
SNP_P1_230023_164945	NW_004516592.1	Scaffold1369	164945	AA	TT	1940489790

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230027_196850	NW_004516592.1	Scaffold1369	196850	GG	TT	1940489793
SNP_P1_230028_196910	NW_004516592.1	Scaffold1369	196910	GG	AA	1940489794
SNP_P1_230029_196937	NW_004516592.1	Scaffold1369	196937	CC	TT	1940489795
SNP_P1_230030_197020	NW_004516592.1	Scaffold1369	197020	GG	AA	1940489796
SNP_P1_230031_197203	NW_004516592.1	Scaffold1369	197203	GG	TT	1940489797
SNP_P1_230032_197264	NW_004516592.1	Scaffold1369	197264	GG	AA	1940489798
SNP_P1_230033_205531	NW_004516592.1	Scaffold1369	205531	CC	TT	1940489799
SNP_P1_230034_205541	NW_004516592.1	Scaffold1369	205541	CC	TT	1940489800
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SNP_P1_230036_214394	NW_004516592.1	Scaffold1369	214394	TT	CC	1940489802
SNP_P1_230037_215611	NW_004516592.1	Scaffold1369	215611	TT	GG	1940489803
SNP_P1_230038_220648	NW_004516592.1	Scaffold1369	220648	TT	GG	1940489804
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SNP_P1_230040_550	NW_004516593.1	Scaffold1370	550	AA	CC	1940489806
SNP_P1_230041_2108	NW_004516593.1	Scaffold1370	2108	AA	CC	1940489807
SNP_P1_230043_22792	NW_004516593.1	Scaffold1370	22792	AA	GG	1940489808
SNP_P1_230044_22797	NW_004516593.1	Scaffold1370	22797	GG	AA	1940489809
SNP_P1_230045_22807	NW_004516593.1	Scaffold1370	22807	GG	TT	1940489810
SNP_P1_230046_22821	NW_004516593.1	Scaffold1370	22821	AA	GG	1940489811
SNP_P1_230047_23117	NW_004516593.1	Scaffold1370	23117	TT	GG	1940489812
SNP_P1_230048_23171	NW_004516593.1	Scaffold1370	23171	AA	GG	1940489813
SNP_P1_230049_23188	NW_004516593.1	Scaffold1370	23188	TT	CC	1940489814
SNP_P1_230050_23196	NW_004516593.1	Scaffold1370	23196	AA	GG	1940489815
SNP_P1_230051_23275	NW_004516593.1	Scaffold1370	23275	GG	AA	1940489816
SNP_P1_230052_27588	NW_004516593.1	Scaffold1370	27588	GG	AA	1940489817
SNP_P1_230053_27669	NW_004516593.1	Scaffold1370	27669	AA	GG	1940489818
SNP_P1_230054_27721	NW_004516593.1	Scaffold1370	27721	AA	GG	1940489819
SNP_P1_230055_27854	NW_004516593.1	Scaffold1370	27854	AA	GG	1940489820
SNP_P1_230056_27871	NW_004516593.1	Scaffold1370	27871	TT	CC	1940489821
SNP_P1_230057_27890	NW_004516593.1	Scaffold1370	27890	TT	GG	1940489822
SNP_P1_230058_27894	NW_004516593.1	Scaffold1370	27894	AA	GG	1940489823
SNP_P1_230059_27901	NW_004516593.1	Scaffold1370	27901	AA	GG	1940489824
SNP_P1_230060_27935	NW_004516593.1	Scaffold1370	27935	GG	TT	1940489825
SNP_P1_230061_27936	NW_004516593.1	Scaffold1370	27936	CC	TT	1940489826
SNP_P1_230062_28040	NW_004516593.1	Scaffold1370	28040	TT	CC	1940489827
SNP_P1_230063_39244	NW_004516593.1	Scaffold1370	39244	AA	GG	1940489828
SNP_P1_230064_42306	NW_004516593.1	Scaffold1370	42306	CC	TT	1940489829
SNP_P1_230065_83780	NW_004516593.1	Scaffold1370	83780	CC	TT	1940489830
SNP_P1_230066_86070	NW_004516593.1	Scaffold1370	86070	AA	CC	1940489831
SNP_P1_230067_86394	NW_004516593.1	Scaffold1370	86394	CC	GG	1940489832

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230070_17212	NW_004516594.1	Scaffold1371	17212	AA	GG	1940489834
SNP_P1_230071_19835	NW_004516594.1	Scaffold1371	19835	AA	CC	1940489835
SNP_P1_230072_24428	NW_004516594.1	Scaffold1371	24428	AA	GG	1940489836
SNP_P1_230073_24429	NW_004516594.1	Scaffold1371	24429	AA	GG	1940489837
SNP_P1_230074_25860	NW_004516594.1	Scaffold1371	25860	TT	CC	1940489838
SNP_P1_230075_26768	NW_004516594.1	Scaffold1371	26768	AA	CC	1940489839
SNP_P1_230076_26786	NW_004516594.1	Scaffold1371	26786	AA	CC	1940489840
SNP_P1_230077_27121	NW_004516594.1	Scaffold1371	27121	TT	GG	1940489841
SNP_P1_230078_27162	NW_004516594.1	Scaffold1371	27162	AA	GG	1940489842
SNP_P1_230079_27238	NW_004516594.1	Scaffold1371	27238	GG	TT	1940489843
SNP_P1_230080_27261	NW_004516594.1	Scaffold1371	27261	AA	GG	1940489844
SNP_P1_230081_27297	NW_004516594.1	Scaffold1371	27297	GG	CC	1940489845
SNP_P1_230082_27363	NW_004516594.1	Scaffold1371	27363	GG	AA	1940489846
SNP_P1_230084_27418	NW_004516594.1	Scaffold1371	27418	AA	GG	1940489847
SNP_P1_230085_27423	NW_004516594.1	Scaffold1371	27423	CC	TT	1940489848
SNP_P1_230086_27526	NW_004516594.1	Scaffold1371	27526	TT	CC	1940489849
SNP_P1_230087_27548	NW_004516594.1	Scaffold1371	27548	GG	AA	1940489850
SNP_P1_230088_27667	NW_004516594.1	Scaffold1371	27667	TT	CC	1940489851
SNP_P1_230089_27677	NW_004516594.1	Scaffold1371	27677	GG	AA	1940489852
SNP_P1_230090_42230	NW_004516594.1	Scaffold1371	42230	GG	CC	1940489853
SNP_P1_230092_43677	NW_004516594.1	Scaffold1371	43677	TT	AA	1940489854
SNP_P1_230093_45441	NW_004516594.1	Scaffold1371	45441	AA	GG	1940489856
SNP_P1_230094_45570	NW_004516594.1	Scaffold1371	45570	AA	TT	1940489857
SNP_P1_230095_64766	NW_004516594.1	Scaffold1371	64766	GG	AA	1940489858
SNP_P1_230096_65046	NW_004516594.1	Scaffold1371	65046	TT	GG	1940489859
SNP_P1_230097_65052	NW_004516594.1	Scaffold1371	65052	CC	TT	1940489860
SNP_P1_230098_65095	NW_004516594.1	Scaffold1371	65095	AA	GG	1940489861
SNP_P1_230099_65174	NW_004516594.1	Scaffold1371	65174	GG	TT	1940489862
SNP_P1_230100_65206	NW_004516594.1	Scaffold1371	65206	CC	GG	1940489863
SNP_P1_230101_65212	NW_004516594.1	Scaffold1371	65212	AA	GG	1940489864
SNP_P1_230102_65230	NW_004516594.1	Scaffold1371	65230	TT	CC	1940489865
SNP_P1_230103_65257	NW_004516594.1	Scaffold1371	65257	AA	GG	1940489866
SNP_P1_230104_65307	NW_004516594.1	Scaffold1371	65307	TT	CC	1940489867
SNP_P1_230105_66609	NW_004516594.1	Scaffold1371	66609	AA	GG	1940489868
SNP_P1_230106_68950	NW_004516594.1	Scaffold1371	68950	CC	GG	1940489869
SNP_P1_230107_72091	NW_004516594.1	Scaffold1371	72091	TT	GG	1940489870
SNP_P1_230108_72115	NW_004516594.1	Scaffold1371	72115	TT	CC	1940489871
SNP_P1_230110_81951	NW_004516594.1	Scaffold1371	81951	CC	AA	1940489872
SNP_P1_230111_81960	NW_004516594.1	Scaffold1371	81960	CC	GG	1940489873
SNP_P1_230112_105326	NW_004516594.1	Scaffold1371	105326	GG	AA	1940489874
SNP_P1_230113_1516	NW_004516597.1	Scaffold1376	1516	TT	CC	1940489875

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230115_3254	NW_004516597.1	Scaffold1376	3254	CC	TT	1940489877
SNP_P1_230116_21778	NW_004516597.1	Scaffold1376	21778	CC	TT	1940489878
SNP_P1_230117_21805	NW_004516597.1	Scaffold1376	21805	CC	TT	1940489879
SNP_P1_230118_21807	NW_004516597.1	Scaffold1376	21807	TT	GG	1940489880
SNP_P1_230119_21815	NW_004516597.1	Scaffold1376	21815	AA	GG	1940489881
SNP_P1_230120_21816	NW_004516597.1	Scaffold1376	21816	AA	CC	1940489882
SNP_P1_230121_21839	NW_004516597.1	Scaffold1376	21839	AA	GG	1940489883
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SNP_P1_230123_21859	NW_004516597.1	Scaffold1376	21859	TT	CC	1940489885
SNP_P1_230124_21877	NW_004516597.1	Scaffold1376	21877	TT	CC	1940489886
SNP_P1_230125_21943	NW_004516597.1	Scaffold1376	21943	TT	CC	1940489887
SNP_P1_230126_21965	NW_004516597.1	Scaffold1376	21965	GG	CC	1940489888
SNP_P1_230127_21968	NW_004516597.1	Scaffold1376	21968	GG	AA	1940489889
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SNP_P1_230129_21974	NW_004516597.1	Scaffold1376	21974	TT	GG	1940489891
SNP_P1_230130_22232	NW_004516597.1	Scaffold1376	22232	GG	AA	1940489892
SNP_P1_230131_22235	NW_004516597.1	Scaffold1376	22235	AA	GG	1940489893
SNP_P1_230132_22250	NW_004516597.1	Scaffold1376	22250	AA	GG	1940489894
SNP_P1_230133_22262	NW_004516597.1	Scaffold1376	22262	TT	CC	1940489895
SNP_P1_230134_22268	NW_004516597.1	Scaffold1376	22268	GG	AA	1940489896
SNP_P1_230135_22269	NW_004516597.1	Scaffold1376	22269	TT	AA	1940489897
SNP_P1_230136_22273	NW_004516597.1	Scaffold1376	22273	AA	GG	1940489898
SNP_P1_230137_22338	NW_004516597.1	Scaffold1376	22338	AA	GG	1940489899
SNP_P1_230138_22339	NW_004516597.1	Scaffold1376	22339	CC	AA	1940489900
SNP_P1_230140_41658	NW_004516597.1	Scaffold1376	41658	AA	GG	1940489901
SNP_P1_230141_46540	NW_004516597.1	Scaffold1376	46540	AA	TT	1940489902
SNP_P1_230142_53765	NW_004516597.1	Scaffold1376	53765	AA	GG	1940489903
SNP_P1_230143_53809	NW_004516597.1	Scaffold1376	53809	GG	TT	1940489904
SNP_P1_230144_53810	NW_004516597.1	Scaffold1376	53810	GG	AA	1940489905
SNP_P1_230145_53827	NW_004516597.1	Scaffold1376	53827	TT	AA	1940489906
SNP_P1_230146_54022	NW_004516597.1	Scaffold1376	54022	TT	AA	1940489907
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SNP_P1_230150_54132	NW_004516597.1	Scaffold1376	54132	GG	AA	1940489911
SNP_P1_230151_54150	NW_004516597.1	Scaffold1376	54150	CC	AA	1940489912
SNP_P1_230152_54155	NW_004516597.1	Scaffold1376	54155	GG	TT	1940489913
SNP_P1_230153_54222	NW_004516597.1	Scaffold1376	54222	AA	GG	1940489914
SNP_P1_230154_57806	NW_004516597.1	Scaffold1376	57806	GG	AA	1940489915
SNP_P1_230155_57809	NW_004516597.1	Scaffold1376	57809	AA	CC	1940489916
SNP_P1_230156_57819	NW_004516597.1	Scaffold1376	57819	AA	GG	1940489917

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230158_57839	NW_004516597.1	Scaffold1376	57839	AA	GG	1940489919
SNP_P1_230159_57845	NW_004516597.1	Scaffold1376	57845	TT	AA	1940489920
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SNP_P1_230161_57870	NW_004516597.1	Scaffold1376	57870	TT	CC	1940489922
SNP_P1_230162_57872	NW_004516597.1	Scaffold1376	57872	GG	AA	1940489923
SNP_P1_230163_57884	NW_004516597.1	Scaffold1376	57884	TT	GG	1940489924
SNP_P1_230164_57889	NW_004516597.1	Scaffold1376	57889	CC	AA	1940489925
SNP_P1_230165_57905	NW_004516597.1	Scaffold1376	57905	TT	CC	1940489926
SNP_P1_230166_57929	NW_004516597.1	Scaffold1376	57929	CC	TT	1940489927
SNP_P1_230167_57971	NW_004516597.1	Scaffold1376	57971	TT	CC	1940489928
SNP_P1_230168_57996	NW_004516597.1	Scaffold1376	57996	CC	TT	1940489929
SNP_P1_230169_58001	NW_004516597.1	Scaffold1376	58001	CC	TT	1940489930
SNP_P1_230170_58034	NW_004516597.1	Scaffold1376	58034	AA	GG	1940489931
SNP_P1_230171_58083	NW_004516597.1	Scaffold1376	58083	GG	AA	1940489932
SNP_P1_230172_58266	NW_004516597.1	Scaffold1376	58266	TT	AA	1940489933
SNP_P1_230173_58335	NW_004516597.1	Scaffold1376	58335	CC	TT	1940489934
SNP_P1_230174_58345	NW_004516597.1	Scaffold1376	58345	GG	AA	1940489935
SNP_P1_230175_58371	NW_004516597.1	Scaffold1376	58371	CC	AA	1940489936
SNP_P1_230176_58383	NW_004516597.1	Scaffold1376	58383	AA	GG	1940489937
SNP_P1_230177_58403	NW_004516597.1	Scaffold1376	58403	TT	CC	1940489938
SNP_P1_230178_60193	NW_004516597.1	Scaffold1376	60193	TT	AA	1940489939
SNP_P1_230179_60264	NW_004516597.1	Scaffold1376	60264	AA	CC	1940489940
SNP_P1_230180_60342	NW_004516597.1	Scaffold1376	60342	GG	AA	1940489941
SNP_P1_230181_66096	NW_004516597.1	Scaffold1376	66096	CC	TT	1940489942
SNP_P1_230182_66106	NW_004516597.1	Scaffold1376	66106	CC	AA	1940489943
SNP_P1_230183_66112	NW_004516597.1	Scaffold1376	66112	AA	GG	1940489944
SNP_P1_230184_66175	NW_004516597.1	Scaffold1376	66175	CC	TT	1940489945
SNP_P1_230185_66227	NW_004516597.1	Scaffold1376	66227	AA	GG	1940489946
SNP_P1_230186_66273	NW_004516597.1	Scaffold1376	66273	GG	AA	1940489947
SNP_P1_230187_66274	NW_004516597.1	Scaffold1376	66274	AA	GG	1940489948
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SNP_P1_230192_66628	NW_004516597.1	Scaffold1376	66628	CC	TT	1940489953
SNP_P1_230193_66655	NW_004516597.1	Scaffold1376	66655	TT	CC	1940489954
SNP_P1_230194_68993	NW_004516597.1	Scaffold1376	68993	GG	AA	1940489955
SNP_P1_230195_69130	NW_004516597.1	Scaffold1376	69130	CC	AA	1940489956
SNP_P1_230196_69397	NW_004516597.1	Scaffold1376	69397	CC	TT	1940489957
SNP_P1_230197_69398	NW_004516597.1	Scaffold1376	69398	GG	AA	1940489958
SNP_P1_230198_69537	NW_004516597.1	Scaffold1376	69537	CC	TT	1940489959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230201_69648	NW_004516597.1	Scaffold1376	69648	CC	AA	1940489961
SNP_P1_230202_1726	NW_004516600.1	Scaffold1380	1726	AA	GG	1940489962
SNP_P1_230203_1828	NW_004516600.1	Scaffold1380	1828	GG	CC	1940489963
SNP_P1_230204_4547	NW_004516600.1	Scaffold1380	4547	TT	CC	1940489964
SNP_P1_230205_4555	NW_004516600.1	Scaffold1380	4555	GG	AA	1940489965
SNP_P1_230206_4770	NW_004516600.1	Scaffold1380	4770	GG	AA	1940489966
SNP_P1_230207_5355	NW_004516600.1	Scaffold1380	5355	AA	CC	1940489967
SNP_P1_230209_6440	NW_004516600.1	Scaffold1380	6440	AA	CC	1940489968
SNP_P1_230210_6876	NW_004516600.1	Scaffold1380	6876	TT	GG	1940489969
SNP_P1_230211_6939	NW_004516600.1	Scaffold1380	6939	AA	GG	1940489970
SNP_P1_230212_7134	NW_004516600.1	Scaffold1380	7134	AA	TT	1940489971
SNP_P1_230213_7290	NW_004516600.1	Scaffold1380	7290	AA	GG	1940489972
SNP_P1_230214_7357	NW_004516600.1	Scaffold1380	7357	AA	GG	1940489973
SNP_P1_230215_7973	NW_004516600.1	Scaffold1380	7973	AA	TT	1940489974
SNP_P1_230216_7977	NW_004516600.1	Scaffold1380	7977	AA	GG	1940489975
SNP_P1_230217_8337	NW_004516600.1	Scaffold1380	8337	AA	GG	1940489976
SNP_P1_230218_8355	NW_004516600.1	Scaffold1380	8355	GG	AA	1940489977
SNP_P1_230219_8999	NW_004516600.1	Scaffold1380	8999	CC	AA	1940489978
SNP_P1_230220_9096	NW_004516600.1	Scaffold1380	9096	CC	TT	1940489979
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SNP_P1_230222_9328	NW_004516600.1	Scaffold1380	9328	CC	AA	1940489981
SNP_P1_230224_10083	NW_004516600.1	Scaffold1380	10083	TT	CC	1940489982
SNP_P1_230225_10622	NW_004516600.1	Scaffold1380	10622	GG	CC	1940489983
SNP_P1_230226_10723	NW_004516600.1	Scaffold1380	10723	GG	AA	1940489984
SNP_P1_230227_10759	NW_004516600.1	Scaffold1380	10759	TT	GG	1940489985
SNP_P1_230228_10868	NW_004516600.1	Scaffold1380	10868	AA	GG	1940489986
SNP_P1_230229_11105	NW_004516600.1	Scaffold1380	11105	CC	AA	1940489987
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SNP_P1_230231_12202	NW_004516600.1	Scaffold1380	12202	CC	TT	1940489989
SNP_P1_230232_1896	NW_004516601.1	Scaffold1382	1896	TT	GG	1940489990
SNP_P1_230233_4494	NW_004516601.1	Scaffold1382	4494	GG	AA	1940489991
SNP_P1_230234_4622	NW_004516601.1	Scaffold1382	4622	GG	AA	1940489992
SNP_P1_230235_10246	NW_004516601.1	Scaffold1382	10246	GG	AA	1940489993
SNP_P1_230236_26497	NW_004516601.1	Scaffold1382	26497	AA	GG	1940489994
SNP_P1_230238_35288	NW_004516601.1	Scaffold1382	35288	TT	AA	1940489995
SNP_P1_230239_49563	NW_004516601.1	Scaffold1382	49563	CC	TT	1940489996
SNP_P1_230240_87285	NW_004516601.1	Scaffold1382	87285	GG	TT	1940489997
SNP_P1_230241_87709	NW_004516601.1	Scaffold1382	87709	CC	TT	1940489998
SNP_P1_230242_93890	NW_004516601.1	Scaffold1382	93890	CC	TT	1940489999
SNP_P1_230243_93896	NW_004516601.1	Scaffold1382	93896	CC	TT	1940490000
SNP_P1_230244_93909	NW_004516601.1	Scaffold1382	93909	AA	CC	1940490001

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230246_123424	NW_004516601.1	Scaffold1382	123424	TT	CC	1940490003
SNP_P1_230247_127287	NW_004516601.1	Scaffold1382	127287	GG	CC	1940490004
SNP_P1_230248_127672	NW_004516601.1	Scaffold1382	127672	GG	TT	1940490005
SNP_P1_230249_127673	NW_004516601.1	Scaffold1382	127673	CC	TT	1940490006
SNP_P1_230250_127681	NW_004516601.1	Scaffold1382	127681	AA	GG	1940490007
SNP_P1_230251_127694	NW_004516601.1	Scaffold1382	127694	TT	CC	1940490008
SNP_P1_230253_150598	NW_004516601.1	Scaffold1382	150598	TT	GG	1940490009
SNP_P1_230254_150627	NW_004516601.1	Scaffold1382	150627	TT	GG	1940490010
SNP_P1_230255_150813	NW_004516601.1	Scaffold1382	150813	AA	GG	1940490011
SNP_P1_230256_150823	NW_004516601.1	Scaffold1382	150823	CC	AA	1940490012
SNP_P1_230257_150884	NW_004516601.1	Scaffold1382	150884	AA	CC	1940490013
SNP_P1_230259_161600	NW_004516601.1	Scaffold1382	161600	TT	CC	1940490014
SNP_P1_230260_164564	NW_004516601.1	Scaffold1382	164564	TT	CC	1940490015
SNP_P1_230261_181995	NW_004516601.1	Scaffold1382	181995	GG	AA	1940490017
SNP_P1_230263_206085	NW_004516601.1	Scaffold1382	206085	TT	CC	1940490018
SNP_P1_230264_223497	NW_004516601.1	Scaffold1382	223497	GG	AA	1940490019
SNP_P1_230265_225248	NW_004516601.1	Scaffold1382	225248	GG	CC	1940490020
SNP_P1_230266_225285	NW_004516601.1	Scaffold1382	225285	AA	GG	1940490021
SNP_P1_230267_225493	NW_004516601.1	Scaffold1382	225493	TT	AA	1940490022
SNP_P1_230268_225507	NW_004516601.1	Scaffold1382	225507	AA	CC	1940490023
SNP_P1_230269_225516	NW_004516601.1	Scaffold1382	225516	GG	AA	1940490024
SNP_P1_230270_225591	NW_004516601.1	Scaffold1382	225591	AA	GG	1940490025
SNP_P1_230272_225629	NW_004516601.1	Scaffold1382	225629	AA	TT	1940490026
SNP_P1_230273_225633	NW_004516601.1	Scaffold1382	225633	AA	GG	1940490027
SNP_P1_230274_225783	NW_004516601.1	Scaffold1382	225783	GG	AA	1940490028
SNP_P1_230275_225799	NW_004516601.1	Scaffold1382	225799	TT	CC	1940490029
SNP_P1_230276_225886	NW_004516601.1	Scaffold1382	225886	AA	GG	1940490030
SNP_P1_230277_225949	NW_004516601.1	Scaffold1382	225949	GG	TT	1940490031
SNP_P1_230278_225960	NW_004516601.1	Scaffold1382	225960	CC	GG	1940490032
SNP_P1_230279_225971	NW_004516601.1	Scaffold1382	225971	CC	AA	1940490033
SNP_P1_230280_226151	NW_004516601.1	Scaffold1382	226151	GG	CC	1940490034
SNP_P1_230281_226349	NW_004516601.1	Scaffold1382	226349	GG	TT	1940490035
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SNP_P1_230284_232074	NW_004516601.1	Scaffold1382	232074	GG	AA	1940490037
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SNP_P1_230286_234151	NW_004516601.1	Scaffold1382	234151	TT	CC	1940490039
SNP_P1_230287_234157	NW_004516601.1	Scaffold1382	234157	TT	AA	1940490040
SNP_P1_230288_234168	NW_004516601.1	Scaffold1382	234168	CC	TT	1940490041
SNP_P1_230289_254724	NW_004516601.1	Scaffold1382	254724	TT	AA	1940490042
SNP_P1_230290_254739	NW_004516601.1	Scaffold1382	254739	GG	AA	1940490043
SNP_P1_230291_254788	NW_004516601.1	Scaffold1382	254788	AA	GG	1940490044

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230294_260562	NW_004516601.1	Scaffold1382	260562	AA	TT	1940490047
SNP_P1_230295_260584	NW_004516601.1	Scaffold1382	260584	TT	AA	1940490048
SNP_P1_230296_260911	NW_004516601.1	Scaffold1382	260911	CC	GG	1940490049
SNP_P1_230297_260972	NW_004516601.1	Scaffold1382	260972	GG	AA	1940490050
SNP_P1_230298_260987	NW_004516601.1	Scaffold1382	260987	AA	TT	1940490051
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SNP_P1_230300_264443	NW_004516601.1	Scaffold1382	264443	TT	CC	1940490053
SNP_P1_230301_264451	NW_004516601.1	Scaffold1382	264451	AA	GG	1940490054
SNP_P1_230302_264464	NW_004516601.1	Scaffold1382	264464	GG	AA	1940490055
SNP_P1_230303_281777	NW_004516601.1	Scaffold1382	281777	TT	CC	1940490056
SNP_P1_230304_281778	NW_004516601.1	Scaffold1382	281778	TT	CC	1940490057
SNP_P1_230305_281791	NW_004516601.1	Scaffold1382	281791	TT	CC	1940490058
SNP_P1_230306_281829	NW_004516601.1	Scaffold1382	281829	TT	CC	1940490059
SNP_P1_230307_281851	NW_004516601.1	Scaffold1382	281851	CC	TT	1940490060
SNP_P1_230308_281869	NW_004516601.1	Scaffold1382	281869	AA	CC	1940490061
SNP_P1_230309_281913	NW_004516601.1	Scaffold1382	281913	CC	GG	1940490062
SNP_P1_230310_281935	NW_004516601.1	Scaffold1382	281935	GG	AA	1940490063
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SNP_P1_230313_284010	NW_004516601.1	Scaffold1382	284010	AA	TT	1940490066
SNP_P1_230314_284244	NW_004516601.1	Scaffold1382	284244	CC	TT	1940490067
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SNP_P1_230317_290900	NW_004516601.1	Scaffold1382	290900	AA	GG	1940490070
SNP_P1_230318_292107	NW_004516601.1	Scaffold1382	292107	AA	CC	1940490071
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SNP_P1_230321_292711	NW_004516601.1	Scaffold1382	292711	GG	AA	1940490074
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SNP_P1_230323_292807	NW_004516601.1	Scaffold1382	292807	CC	AA	1940490076
SNP_P1_230324_292890	NW_004516601.1	Scaffold1382	292890	GG	AA	1940490077
SNP_P1_230325_292945	NW_004516601.1	Scaffold1382	292945	CC	TT	1940490078
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SNP_P1_230327_293960	NW_004516601.1	Scaffold1382	293960	TT	AA	1940490080
SNP_P1_230328_294026	NW_004516601.1	Scaffold1382	294026	TT	AA	1940490081
SNP_P1_230329_294043	NW_004516601.1	Scaffold1382	294043	CC	GG	1940490082
SNP_P1_230330_294046	NW_004516601.1	Scaffold1382	294046	AA	TT	1940490083
SNP_P1_230331_294052	NW_004516601.1	Scaffold1382	294052	CC	TT	1940490084
SNP_P1_230332_294074	NW_004516601.1	Scaffold1382	294074	TT	CC	1940490085
SNP_P1_230333_294103	NW_004516601.1	Scaffold1382	294103	CC	TT	1940490086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230336_294189	NW_004516601.1	Scaffold1382	294189	TT	AA	1940490089
SNP_P1_230337_294228	NW_004516601.1	Scaffold1382	294228	AA	GG	1940490090
SNP_P1_230338_294264	NW_004516601.1	Scaffold1382	294264	TT	GG	1940490091
SNP_P1_230339_294309	NW_004516601.1	Scaffold1382	294309	GG	TT	1940490092
SNP_P1_230341_294432	NW_004516601.1	Scaffold1382	294432	TT	AA	1940490093
SNP_P1_230342_294495	NW_004516601.1	Scaffold1382	294495	TT	CC	1940490094
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SNP_P1_230345_295001	NW_004516601.1	Scaffold1382	295001	CC	TT	1940490096
SNP_P1_230346_295013	NW_004516601.1	Scaffold1382	295013	CC	TT	1940490097
SNP_P1_230347_295102	NW_004516601.1	Scaffold1382	295102	CC	GG	1940490098
SNP_P1_230348_295256	NW_004516601.1	Scaffold1382	295256	TT	AA	1940490099
SNP_P1_230349_295348	NW_004516601.1	Scaffold1382	295348	AA	CC	1940490100
SNP_P1_230350_295406	NW_004516601.1	Scaffold1382	295406	CC	GG	1940490101
SNP_P1_230351_295415	NW_004516601.1	Scaffold1382	295415	CC	GG	1940490102
SNP_P1_230352_295424	NW_004516601.1	Scaffold1382	295424	GG	AA	1940490103
SNP_P1_230353_295455	NW_004516601.1	Scaffold1382	295455	GG	TT	1940490104
SNP_P1_230354_295504	NW_004516601.1	Scaffold1382	295504	GG	CC	1940490105
SNP_P1_230355_295505	NW_004516601.1	Scaffold1382	295505	AA	GG	1940490106
SNP_P1_230356_295693	NW_004516601.1	Scaffold1382	295693	AA	GG	1940490107
SNP_P1_230357_295725	NW_004516601.1	Scaffold1382	295725	GG	AA	1940490108
SNP_P1_230358_295771	NW_004516601.1	Scaffold1382	295771	GG	TT	1940490109
SNP_P1_230359_295849	NW_004516601.1	Scaffold1382	295849	TT	CC	1940490110
SNP_P1_230360_295961	NW_004516601.1	Scaffold1382	295961	AA	TT	1940490111
SNP_P1_230361_296027	NW_004516601.1	Scaffold1382	296027	TT	CC	1940490112
SNP_P1_230362_296028	NW_004516601.1	Scaffold1382	296028	GG	TT	1940490113
SNP_P1_230363_296036	NW_004516601.1	Scaffold1382	296036	TT	CC	1940490114
SNP_P1_230364_296051	NW_004516601.1	Scaffold1382	296051	GG	CC	1940490115
SNP_P1_230365_296079	NW_004516601.1	Scaffold1382	296079	AA	TT	1940490116
SNP_P1_230366_296156	NW_004516601.1	Scaffold1382	296156	CC	TT	1940490117
SNP_P1_230367_296177	NW_004516601.1	Scaffold1382	296177	AA	TT	1940490118
SNP_P1_230368_296248	NW_004516601.1	Scaffold1382	296248	AA	TT	1940490119
SNP_P1_230369_296252	NW_004516601.1	Scaffold1382	296252	AA	TT	1940490120
SNP_P1_230370_296357	NW_004516601.1	Scaffold1382	296357	AA	TT	1940490121
SNP_P1_230371_296377	NW_004516601.1	Scaffold1382	296377	CC	GG	1940490122
SNP_P1_230372_296459	NW_004516601.1	Scaffold1382	296459	TT	AA	1940490123
SNP_P1_230373_296496	NW_004516601.1	Scaffold1382	296496	TT	CC	1940490124
SNP_P1_230374_296497	NW_004516601.1	Scaffold1382	296497	GG	TT	1940490125
SNP_P1_230375_296503	NW_004516601.1	Scaffold1382	296503	GG	AA	1940490126
SNP_P1_230376_296544	NW_004516601.1	Scaffold1382	296544	TT	CC	1940490127
SNP_P1_230377_296722	NW_004516601.1	Scaffold1382	296722	CC	GG	1940490128

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230379_296735	NW_004516601.1	Scaffold1382	296735	TT	CC	1940490130
SNP_P1_230380_296763	NW_004516601.1	Scaffold1382	296763	AA	GG	1940490131
SNP_P1_230381_296850	NW_004516601.1	Scaffold1382	296850	CC	GG	1940490132
SNP_P1_230382_296858	NW_004516601.1	Scaffold1382	296858	AA	GG	1940490133
SNP_P1_230383_300593	NW_004516601.1	Scaffold1382	300593	TT	CC	1940490134
SNP_P1_230384_300596	NW_004516601.1	Scaffold1382	300596	GG	AA	1940490135
SNP_P1_230385_305114	NW_004516601.1	Scaffold1382	305114	TT	AA	1940490136
SNP_P1_230386_305381	NW_004516601.1	Scaffold1382	305381	CC	GG	1940490137
SNP_P1_230387_305650	NW_004516601.1	Scaffold1382	305650	TT	CC	1940490138
SNP_P1_230388_317078	NW_004516601.1	Scaffold1382	317078	GG	AA	1940490139
SNP_P1_230389_317135	NW_004516601.1	Scaffold1382	317135	TT	AA	1940490140
SNP_P1_230390_317415	NW_004516601.1	Scaffold1382	317415	AA	CC	1940490141
SNP_P1_230391_317440	NW_004516601.1	Scaffold1382	317440	CC	TT	1940490142
SNP_P1_230392_329505	NW_004516601.1	Scaffold1382	329505	CC	TT	1940490143
SNP_P1_230393_330106	NW_004516601.1	Scaffold1382	330106	CC	AA	1940490144
SNP_P1_230394_332606	NW_004516601.1	Scaffold1382	332606	AA	TT	1940490145
SNP_P1_230395_332960	NW_004516601.1	Scaffold1382	332960	CC	TT	1940490146
SNP_P1_230396_338943	NW_004516601.1	Scaffold1382	338943	GG	CC	1940490147
SNP_P1_230397_339016	NW_004516601.1	Scaffold1382	339016	TT	CC	1940490148
SNP_P1_230398_339023	NW_004516601.1	Scaffold1382	339023	GG	TT	1940490149
SNP_P1_230400_339360	NW_004516601.1	Scaffold1382	339360	GG	TT	1940490150
SNP_P1_230401_339472	NW_004516601.1	Scaffold1382	339472	AA	CC	1940490151
SNP_P1_230402_339516	NW_004516601.1	Scaffold1382	339516	AA	TT	1940490152
SNP_P1_230403_339522	NW_004516601.1	Scaffold1382	339522	TT	GG	1940490153
SNP_P1_230404_339531	NW_004516601.1	Scaffold1382	339531	GG	CC	1940490154
SNP_P1_230406_354228	NW_004516601.1	Scaffold1382	354228	TT	GG	1940490155
SNP_P1_230407_360108	NW_004516601.1	Scaffold1382	360108	TT	GG	1940490156
SNP_P1_230408_360130	NW_004516601.1	Scaffold1382	360130	AA	CC	1940490157
SNP_P1_230409_360137	NW_004516601.1	Scaffold1382	360137	GG	TT	1940490158
SNP_P1_230410_360144	NW_004516601.1	Scaffold1382	360144	TT	AA	1940490160
SNP_P1_230411_365638	NW_004516601.1	Scaffold1382	365638	AA	TT	1940490161
SNP_P1_230412_365646	NW_004516601.1	Scaffold1382	365646	GG	TT	1940490162
SNP_P1_230413_365649	NW_004516601.1	Scaffold1382	365649	TT	CC	1940490163
SNP_P1_230414_365751	NW_004516601.1	Scaffold1382	365751	TT	GG	1940490164
SNP_P1_230415_365752	NW_004516601.1	Scaffold1382	365752	CC	GG	1940490165
SNP_P1_230416_366878	NW_004516601.1	Scaffold1382	366878	TT	GG	1940490166
SNP_P1_230417_367665	NW_004516601.1	Scaffold1382	367665	CC	TT	1940490167
SNP_P1_230418_369136	NW_004516601.1	Scaffold1382	369136	CC	AA	1940490168
SNP_P1_230419_371719	NW_004516601.1	Scaffold1382	371719	CC	GG	1940490169
SNP_P1_230420_373851	NW_004516601.1	Scaffold1382	373851	GG	AA	1940490170
SNP_P1_230421_374167	NW_004516601.1	Scaffold1382	374167	GG	AA	1940490171

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230423_374967	NW_004516601.1	Scaffold1382	374967	TT	AA	1940490173
SNP_P1_230424_374974	NW_004516601.1	Scaffold1382	374974	TT	GG	1940490174
SNP_P1_230426_375254	NW_004516601.1	Scaffold1382	375254	AA	CC	1940490175
SNP_P1_230427_375596	NW_004516601.1	Scaffold1382	375596	AA	CC	1940490176
SNP_P1_230429_376839	NW_004516601.1	Scaffold1382	376839	GG	TT	1940490177
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SNP_P1_230431_377357	NW_004516601.1	Scaffold1382	377357	GG	AA	1940490179
SNP_P1_230432_377373	NW_004516601.1	Scaffold1382	377373	GG	AA	1940490180
SNP_P1_230433_377395	NW_004516601.1	Scaffold1382	377395	CC	GG	1940490181
SNP_P1_230434_377612	NW_004516601.1	Scaffold1382	377612	AA	GG	1940490182
SNP_P1_230435_379950	NW_004516601.1	Scaffold1382	379950	TT	GG	1940490183
SNP_P1_230436_380184	NW_004516601.1	Scaffold1382	380184	CC	TT	1940490184
SNP_P1_230437_381971	NW_004516601.1	Scaffold1382	381971	CC	GG	1940490185
SNP_P1_230438_388189	NW_004516601.1	Scaffold1382	388189	AA	TT	1940490186
SNP_P1_230439_390639	NW_004516601.1	Scaffold1382	390639	AA	CC	1940490187
SNP_P1_230440_390644	NW_004516601.1	Scaffold1382	390644	TT	CC	1940490188
SNP_P1_230441_390653	NW_004516601.1	Scaffold1382	390653	CC	TT	1940490189
SNP_P1_230442_390654	NW_004516601.1	Scaffold1382	390654	AA	TT	1940490190
SNP_P1_230443_390658	NW_004516601.1	Scaffold1382	390658	CC	TT	1940490191
SNP_P1_230444_390666	NW_004516601.1	Scaffold1382	390666	TT	AA	1940490192
SNP_P1_230446_397011	NW_004516601.1	Scaffold1382	397011	CC	AA	1940490193
SNP_P1_230447_397082	NW_004516601.1	Scaffold1382	397082	CC	AA	1940490194
SNP_P1_230448_397308	NW_004516601.1	Scaffold1382	397308	TT	GG	1940490195
SNP_P1_230449_397330	NW_004516601.1	Scaffold1382	397330	GG	CC	1940490196
SNP_P1_230450_397347	NW_004516601.1	Scaffold1382	397347	TT	GG	1940490197
SNP_P1_230451_397357	NW_004516601.1	Scaffold1382	397357	AA	GG	1940490198
SNP_P1_230452_397376	NW_004516601.1	Scaffold1382	397376	TT	AA	1940490199
SNP_P1_230453_397390	NW_004516601.1	Scaffold1382	397390	TT	CC	1940490200
SNP_P1_230454_397395	NW_004516601.1	Scaffold1382	397395	TT	GG	1940490201
SNP_P1_230455_397419	NW_004516601.1	Scaffold1382	397419	GG	AA	1940490202
SNP_P1_230456_397478	NW_004516601.1	Scaffold1382	397478	AA	CC	1940490203
SNP_P1_230457_397479	NW_004516601.1	Scaffold1382	397479	TT	CC	1940490204
SNP_P1_230458_397591	NW_004516601.1	Scaffold1382	397591	AA	TT	1940490205
SNP_P1_230459_397595	NW_004516601.1	Scaffold1382	397595	TT	AA	1940490206
SNP_P1_230460_397603	NW_004516601.1	Scaffold1382	397603	CC	AA	1940490207
SNP_P1_230461_405135	NW_004516601.1	Scaffold1382	405135	GG	TT	1940490208
SNP_P1_230462_414485	NW_004516601.1	Scaffold1382	414485	AA	GG	1940490209
SNP_P1_230463_414769	NW_004516601.1	Scaffold1382	414769	AA	TT	1940490210
SNP_P1_230464_414824	NW_004516601.1	Scaffold1382	414824	TT	AA	1940490211
SNP_P1_230465_415967	NW_004516601.1	Scaffold1382	415967	TT	CC	1940490212
SNP_P1_230466_417154	NW_004516601.1	Scaffold1382	417154	AA	CC	1940490213

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230468_424348	NW_004516601.1	Scaffold1382	424348	AA	GG	1940490215
SNP_P1_230469_428895	NW_004516601.1	Scaffold1382	428895	TT	GG	1940490216
SNP_P1_230470_433800	NW_004516601.1	Scaffold1382	433800	TT	CC	1940490217
SNP_P1_230471_433833	NW_004516601.1	Scaffold1382	433833	AA	TT	1940490218
SNP_P1_230472_433874	NW_004516601.1	Scaffold1382	433874	AA	TT	1940490219
SNP_P1_230473_442221	NW_004516601.1	Scaffold1382	442221	AA	GG	1940490220
SNP_P1_230474_442233	NW_004516601.1	Scaffold1382	442233	TT	CC	1940490221
SNP_P1_230475_442251	NW_004516601.1	Scaffold1382	442251	GG	AA	1940490222
SNP_P1_230476_442262	NW_004516601.1	Scaffold1382	442262	AA	GG	1940490223
SNP_P1_230477_442282	NW_004516601.1	Scaffold1382	442282	GG	CC	1940490224
SNP_P1_230478_442513	NW_004516601.1	Scaffold1382	442513	GG	AA	1940490225
SNP_P1_230479_442556	NW_004516601.1	Scaffold1382	442556	GG	AA	1940490226
SNP_P1_230480_448979	NW_004516601.1	Scaffold1382	448979	GG	AA	1940490227
SNP_P1_230481_449009	NW_004516601.1	Scaffold1382	449009	TT	CC	1940490228
SNP_P1_230482_449069	NW_004516601.1	Scaffold1382	449069	CC	TT	1940490229
SNP_P1_230483_449413	NW_004516601.1	Scaffold1382	449413	TT	AA	1940490230
SNP_P1_230484_449426	NW_004516601.1	Scaffold1382	449426	AA	TT	1940490231
SNP_P1_230485_449491	NW_004516601.1	Scaffold1382	449491	TT	AA	1940490232
SNP_P1_230486_450595	NW_004516601.1	Scaffold1382	450595	GG	CC	1940490233
SNP_P1_230487_456982	NW_004516601.1	Scaffold1382	456982	CC	AA	1940490234
SNP_P1_230488_457020	NW_004516601.1	Scaffold1382	457020	TT	CC	1940490235
SNP_P1_230489_457133	NW_004516601.1	Scaffold1382	457133	GG	AA	1940490236
SNP_P1_230490_457244	NW_004516601.1	Scaffold1382	457244	GG	AA	1940490237
SNP_P1_230491_462395	NW_004516601.1	Scaffold1382	462395	AA	GG	1940490238
SNP_P1_230492_468302	NW_004516601.1	Scaffold1382	468302	TT	CC	1940490239
SNP_P1_230493_470706	NW_004516601.1	Scaffold1382	470706	AA	CC	1940490240
SNP_P1_230494_471994	NW_004516601.1	Scaffold1382	471994	TT	AA	1940490241
SNP_P1_230495_472003	NW_004516601.1	Scaffold1382	472003	AA	CC	1940490242
SNP_P1_230496_479167	NW_004516601.1	Scaffold1382	479167	TT	AA	1940490243
SNP_P1_230497_479171	NW_004516601.1	Scaffold1382	479171	CC	AA	1940490244
SNP_P1_230498_480843	NW_004516601.1	Scaffold1382	480843	AA	GG	1940490245
SNP_P1_230499_490235	NW_004516601.1	Scaffold1382	490235	CC	TT	1940490246
SNP_P1_230500_490314	NW_004516601.1	Scaffold1382	490314	AA	CC	1940490247
SNP_P1_230501_492242	NW_004516601.1	Scaffold1382	492242	GG	AA	1940490248
SNP_P1_230502_492258	NW_004516601.1	Scaffold1382	492258	GG	TT	1940490249
SNP_P1_230503_499525	NW_004516601.1	Scaffold1382	499525	CC	AA	1940490250
SNP_P1_230504_499526	NW_004516601.1	Scaffold1382	499526	TT	AA	1940490251
SNP_P1_230505_499539	NW_004516601.1	Scaffold1382	499539	AA	CC	1940490252
SNP_P1_230506_500798	NW_004516601.1	Scaffold1382	500798	CC	TT	1940490253
SNP_P1_230507_519421	NW_004516601.1	Scaffold1382	519421	AA	TT	1940490254
SNP_P1_230508_519422	NW_004516601.1	Scaffold1382	519422	TT	CC	1940490255

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230511_526614	NW_004516601.1	Scaffold1382	526614	TT	GG	1940490258
SNP_P1_230512_526616	NW_004516601.1	Scaffold1382	526616	AA	TT	1940490259
SNP_P1_230513_526617	NW_004516601.1	Scaffold1382	526617	TT	CC	1940490260
SNP_P1_230514_526689	NW_004516601.1	Scaffold1382	526689	AA	TT	1940490261
SNP_P1_230515_526693	NW_004516601.1	Scaffold1382	526693	TT	GG	1940490262
SNP_P1_230516_526700	NW_004516601.1	Scaffold1382	526700	TT	GG	1940490263
SNP_P1_230517_526702	NW_004516601.1	Scaffold1382	526702	CC	TT	1940490264
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SNP_P1_230519_527005	NW_004516601.1	Scaffold1382	527005	CC	TT	1940490266
SNP_P1_230520_535440	NW_004516601.1	Scaffold1382	535440	GG	CC	1940490267
SNP_P1_230521_535443	NW_004516601.1	Scaffold1382	535443	AA	GG	1940490268
SNP_P1_230522_536212	NW_004516601.1	Scaffold1382	536212	GG	CC	1940490269
SNP_P1_230523_536398	NW_004516601.1	Scaffold1382	536398	TT	CC	1940490270
SNP_P1_230524_536399	NW_004516601.1	Scaffold1382	536399	GG	AA	1940490271
SNP_P1_230525_536400	NW_004516601.1	Scaffold1382	536400	TT	AA	1940490272
SNP_P1_230526_536479	NW_004516601.1	Scaffold1382	536479	AA	CC	1940490273
SNP_P1_230527_536488	NW_004516601.1	Scaffold1382	536488	AA	GG	1940490274
SNP_P1_230528_536517	NW_004516601.1	Scaffold1382	536517	AA	GG	1940490275
SNP_P1_230529_536525	NW_004516601.1	Scaffold1382	536525	GG	TT	1940490276
SNP_P1_230530_536528	NW_004516601.1	Scaffold1382	536528	AA	GG	1940490277
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SNP_P1_230532_536640	NW_004516601.1	Scaffold1382	536640	CC	TT	1940490279
SNP_P1_230533_536742	NW_004516601.1	Scaffold1382	536742	AA	TT	1940490280
SNP_P1_230534_536761	NW_004516601.1	Scaffold1382	536761	TT	GG	1940490281
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SNP_P1_230537_536837	NW_004516601.1	Scaffold1382	536837	CC	TT	1940490284
SNP_P1_230538_536839	NW_004516601.1	Scaffold1382	536839	AA	GG	1940490285
SNP_P1_230539_536952	NW_004516601.1	Scaffold1382	536952	CC	GG	1940490286
SNP_P1_230540_536961	NW_004516601.1	Scaffold1382	536961	TT	GG	1940490287
SNP_P1_230541_537025	NW_004516601.1	Scaffold1382	537025	CC	AA	1940490288
SNP_P1_230542_537046	NW_004516601.1	Scaffold1382	537046	AA	TT	1940490289
SNP_P1_230543_537062	NW_004516601.1	Scaffold1382	537062	TT	GG	1940490290
SNP_P1_230544_537141	NW_004516601.1	Scaffold1382	537141	GG	TT	1940490291
SNP_P1_230545_537159	NW_004516601.1	Scaffold1382	537159	AA	TT	1940490292
SNP_P1_230546_537183	NW_004516601.1	Scaffold1382	537183	GG	AA	1940490293
SNP_P1_230547_538287	NW_004516601.1	Scaffold1382	538287	GG	AA	1940490294
SNP_P1_230548_541251	NW_004516601.1	Scaffold1382	541251	CC	TT	1940490295
SNP_P1_230549_541271	NW_004516601.1	Scaffold1382	541271	TT	GG	1940490296
SNP_P1_230550_541286	NW_004516601.1	Scaffold1382	541286	GG	AA	1940490297

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230553_545358	NW_004516601.1	Scaffold1382	545358	CC	TT	1940490300
SNP_P1_230554_545360	NW_004516601.1	Scaffold1382	545360	CC	GG	1940490301
SNP_P1_230556_4394	NW_004516603.1	Scaffold1386	4394	CC	TT	1940490302
SNP_P1_230557_4432	NW_004516603.1	Scaffold1386	4432	AA	CC	1940490303
SNP_P1_230558_6544	NW_004516603.1	Scaffold1386	6544	AA	CC	1940490304
SNP_P1_230559_7093	NW_004516603.1	Scaffold1386	7093	AA	GG	1940490305
SNP_P1_230560_7107	NW_004516603.1	Scaffold1386	7107	AA	TT	1940490306
SNP_P1_230561_7440	NW_004516603.1	Scaffold1386	7440	CC	TT	1940490307
SNP_P1_230562_7500	NW_004516603.1	Scaffold1386	7500	CC	AA	1940490308
SNP_P1_230563_8200	NW_004516603.1	Scaffold1386	8200	TT	CC	1940490309
SNP_P1_230564_8918	NW_004516603.1	Scaffold1386	8918	AA	CC	1940490310
SNP_P1_230566_9328	NW_004516603.1	Scaffold1386	9328	GG	AA	1940490312
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SNP_P1_230570_13303	NW_004516603.1	Scaffold1386	13303	CC	TT	1940490315
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SNP_P1_230573_13590	NW_004516603.1	Scaffold1386	13590	GG	AA	1940490318
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SNP_P1_230576_13659	NW_004516603.1	Scaffold1386	13659	TT	CC	1940490320
SNP_P1_230577_13671	NW_004516603.1	Scaffold1386	13671	GG	AA	1940490321
SNP_P1_230578_13699	NW_004516603.1	Scaffold1386	13699	GG	AA	1940490322
SNP_P1_230579_13707	NW_004516603.1	Scaffold1386	13707	AA	TT	1940490323
SNP_P1_230580_13710	NW_004516603.1	Scaffold1386	13710	TT	AA	1940490324
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SNP_P1_230582_22283	NW_004516603.1	Scaffold1386	22283	AA	GG	1940490326
SNP_P1_230583_22329	NW_004516603.1	Scaffold1386	22329	GG	CC	1940490327
SNP_P1_230584_22356	NW_004516603.1	Scaffold1386	22356	CC	TT	1940490328
SNP_P1_230585_22369	NW_004516603.1	Scaffold1386	22369	TT	CC	1940490329
SNP_P1_230586_22730	NW_004516603.1	Scaffold1386	22730	GG	TT	1940490330
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SNP_P1_230588_27901	NW_004516603.1	Scaffold1386	27901	CC	TT	1940490332
SNP_P1_230589_36546	NW_004516603.1	Scaffold1386	36546	CC	GG	1940490333
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SNP_P1_230593_38507	NW_004516603.1	Scaffold1386	38507	AA	GG	1940490337
SNP_P1_230594_38540	NW_004516603.1	Scaffold1386	38540	AA	GG	1940490338
SNP_P1_230595_39006	NW_004516603.1	Scaffold1386	39006	TT	CC	1940490339
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230601_9846	NW_004516604.1	Scaffold1387	9846	AA	TT	1940490343
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SNP_P1_230603_8559	NW_004516606.1	Scaffold1390	8559	TT	AA	1940490345
SNP_P1_230604_8562	NW_004516606.1	Scaffold1390	8562	CC	TT	1940490346
SNP_P1_230605_8573	NW_004516606.1	Scaffold1390	8573	TT	CC	1940490347
SNP_P1_230606_10141	NW_004516606.1	Scaffold1390	10141	CC	AA	1940490348
SNP_P1_230607_10301	NW_004516606.1	Scaffold1390	10301	GG	AA	1940490349
SNP_P1_230608_32810	NW_004516606.1	Scaffold1390	32810	AA	TT	1940490350
SNP_P1_230609_37624	NW_004516606.1	Scaffold1390	37624	TT	CC	1940490351
SNP_P1_230610_37886	NW_004516606.1	Scaffold1390	37886	TT	AA	1940490352
SNP_P1_230611_49716	NW_004516606.1	Scaffold1390	49716	TT	CC	1940490353
SNP_P1_230612_49725	NW_004516606.1	Scaffold1390	49725	AA	GG	1940490354
SNP_P1_230613_49755	NW_004516606.1	Scaffold1390	49755	CC	GG	1940490355
SNP_P1_230614_52408	NW_004516606.1	Scaffold1390	52408	TT	GG	1940490356
SNP_P1_230615_62525	NW_004516606.1	Scaffold1390	62525	AA	GG	1940490357
SNP_P1_230616_67035	NW_004516606.1	Scaffold1390	67035	AA	GG	1940490358
SNP_P1_230617_69230	NW_004516606.1	Scaffold1390	69230	GG	AA	1940490359
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SNP_P1_230620_93374	NW_004516606.1	Scaffold1390	93374	TT	CC	1940490362
SNP_P1_230621_93415	NW_004516606.1	Scaffold1390	93415	TT	AA	1940490363
SNP_P1_230622_93428	NW_004516606.1	Scaffold1390	93428	AA	GG	1940490364
SNP_P1_230623_93433	NW_004516606.1	Scaffold1390	93433	CC	GG	1940490365
SNP_P1_230624_93444	NW_004516606.1	Scaffold1390	93444	TT	CC	1940490366
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SNP_P1_230628_108629	NW_004516606.1	Scaffold1390	108629	TT	CC	1940490369
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SNP_P1_230630_108655	NW_004516606.1	Scaffold1390	108655	GG	AA	1940490371
SNP_P1_230631_108882	NW_004516606.1	Scaffold1390	108882	GG	AA	1940490372
SNP_P1_230633_2416	NW_004516608.1	Scaffold1393	2416	AA	TT	1940490373
SNP_P1_230634_1863	NW_004516609.1	Scaffold1394	1863	TT	CC	1940490374
SNP_P1_230635_3051	NW_004516609.1	Scaffold1394	3051	GG	CC	1940490375
SNP_P1_230636_3242	NW_004516609.1	Scaffold1394	3242	TT	CC	1940490376
SNP_P1_230637_5542	NW_004516609.1	Scaffold1394	5542	AA	GG	1940490377
SNP_P1_230638_6780	NW_004516609.1	Scaffold1394	6780	TT	CC	1940490378
SNP_P1_230639_7449	NW_004516609.1	Scaffold1394	7449	TT	CC	1940490379
SNP_P1_230640_7890	NW_004516609.1	Scaffold1394	7890	CC	TT	1940490380
SNP_P1_230641_7905	NW_004516609.1	Scaffold1394	7905	AA	GG	1940490381
SNP_P1_230642_8336	NW_004516609.1	Scaffold1394	8336	TT	GG	1940490382

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230645_12007	NW_004516609.1	Scaffold1394	12007	TT	CC	1940490385
SNP_P1_230646_12130	NW_004516609.1	Scaffold1394	12130	CC	TT	1940490386
SNP_P1_230647_12219	NW_004516609.1	Scaffold1394	12219	GG	AA	1940490387
SNP_P1_230648_12223	NW_004516609.1	Scaffold1394	12223	CC	AA	1940490388
SNP_P1_230649_12262	NW_004516609.1	Scaffold1394	12262	AA	GG	1940490389
SNP_P1_230650_12374	NW_004516609.1	Scaffold1394	12374	AA	GG	1940490390
SNP_P1_230651_12415	NW_004516609.1	Scaffold1394	12415	AA	TT	1940490391
SNP_P1_230652_12440	NW_004516609.1	Scaffold1394	12440	TT	CC	1940490392
SNP_P1_230653_12497	NW_004516609.1	Scaffold1394	12497	GG	TT	1940490393
SNP_P1_230654_12510	NW_004516609.1	Scaffold1394	12510	GG	AA	1940490394
SNP_P1_230655_12578	NW_004516609.1	Scaffold1394	12578	TT	CC	1940490395
SNP_P1_230657_20857	NW_004516609.1	Scaffold1394	20857	TT	CC	1940490396
SNP_P1_230658_25557	NW_004516609.1	Scaffold1394	25557	GG	AA	1940490397
SNP_P1_230659_25567	NW_004516609.1	Scaffold1394	25567	GG	AA	1940490398
SNP_P1_230660_25622	NW_004516609.1	Scaffold1394	25622	AA	GG	1940490399
SNP_P1_230661_25861	NW_004516609.1	Scaffold1394	25861	TT	AA	1940490400
SNP_P1_230662_27146	NW_004516609.1	Scaffold1394	27146	AA	GG	1940490401
SNP_P1_230663_27158	NW_004516609.1	Scaffold1394	27158	AA	TT	1940490402
SNP_P1_230664_27180	NW_004516609.1	Scaffold1394	27180	CC	TT	1940490403
SNP_P1_230665_27186	NW_004516609.1	Scaffold1394	27186	CC	AA	1940490404
SNP_P1_230666_27221	NW_004516609.1	Scaffold1394	27221	AA	GG	1940490405
SNP_P1_230667_27227	NW_004516609.1	Scaffold1394	27227	TT	GG	1940490406
SNP_P1_230668_27243	NW_004516609.1	Scaffold1394	27243	CC	TT	1940490407
SNP_P1_230669_27520	NW_004516609.1	Scaffold1394	27520	GG	AA	1940490408
SNP_P1_230670_27532	NW_004516609.1	Scaffold1394	27532	TT	CC	1940490409
SNP_P1_230671_27562	NW_004516609.1	Scaffold1394	27562	TT	CC	1940490410
SNP_P1_230672_27592	NW_004516609.1	Scaffold1394	27592	TT	AA	1940490411
SNP_P1_230673_27607	NW_004516609.1	Scaffold1394	27607	GG	AA	1940490412
SNP_P1_230674_27833	NW_004516609.1	Scaffold1394	27833	TT	CC	1940490413
SNP_P1_230675_28278	NW_004516609.1	Scaffold1394	28278	TT	CC	1940490414
SNP_P1_230676_29065	NW_004516609.1	Scaffold1394	29065	TT	AA	1940490415
SNP_P1_230677_29277	NW_004516609.1	Scaffold1394	29277	GG	AA	1940490416
SNP_P1_230678_37620	NW_004516609.1	Scaffold1394	37620	GG	TT	1940490417
SNP_P1_230679_43491	NW_004516609.1	Scaffold1394	43491	TT	CC	1940490418
SNP_P1_230680_43551	NW_004516609.1	Scaffold1394	43551	TT	CC	1940490419
SNP_P1_230681_1504	NW_004516612.1	Scaffold1399	1504	CC	TT	1940490420
SNP_P1_230682_5718	NW_004516612.1	Scaffold1399	5718	AA	GG	1940490421
SNP_P1_230683_5752	NW_004516612.1	Scaffold1399	5752	GG	CC	1940490422
SNP_P1_230684_5781	NW_004516612.1	Scaffold1399	5781	TT	CC	1940490423
SNP_P1_230685_5853	NW_004516612.1	Scaffold1399	5853	GG	CC	1940490424

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230688_6020	NW_004516612.1	Scaffold1399	6020	AA	TT	1940490427
SNP_P1_230689_6047	NW_004516612.1	Scaffold1399	6047	TT	GG	1940490428
SNP_P1_230690_6058	NW_004516612.1	Scaffold1399	6058	AA	GG	1940490429
SNP_P1_230691_12405	NW_004516612.1	Scaffold1399	12405	TT	AA	1940490430
SNP_P1_230692_12496	NW_004516612.1	Scaffold1399	12496	AA	TT	1940490431
SNP_P1_230693_18964	NW_004516612.1	Scaffold1399	18964	AA	GG	1940490432
SNP_P1_230694_19032	NW_004516612.1	Scaffold1399	19032	CC	TT	1940490433
SNP_P1_230695_19377	NW_004516612.1	Scaffold1399	19377	CC	AA	1940490434
SNP_P1_230697_21576	NW_004516612.1	Scaffold1399	21576	GG	CC	1940490435
SNP_P1_230698_30658	NW_004516612.1	Scaffold1399	30658	TT	CC	1940490436
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SNP_P1_230701_42467	NW_004516612.1	Scaffold1399	42467	TT	CC	1940490438
SNP_P1_230702_42486	NW_004516612.1	Scaffold1399	42486	GG	TT	1940490439
SNP_P1_230703_42509	NW_004516612.1	Scaffold1399	42509	AA	CC	1940490440
SNP_P1_230704_50094	NW_004516612.1	Scaffold1399	50094	AA	CC	1940490441
SNP_P1_230705_2557	NW_004516614.1	Scaffold1401	2557	TT	CC	1940490442
SNP_P1_230706_2674	NW_004516614.1	Scaffold1401	2674	TT	GG	1940490443
SNP_P1_230707_2901	NW_004516614.1	Scaffold1401	2901	GG	CC	1940490444
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SNP_P1_230718_67914	NW_004516614.1	Scaffold1401	67914	AA	CC	1940490454
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SNP_P1_230720_70853	NW_004516614.1	Scaffold1401	70853	TT	CC	1940490456
SNP_P1_230721_70952	NW_004516614.1	Scaffold1401	70952	TT	CC	1940490457
SNP_P1_230722_71054	NW_004516614.1	Scaffold1401	71054	TT	CC	1940490458
SNP_P1_230723_71066	NW_004516614.1	Scaffold1401	71066	TT	CC	1940490459
SNP_P1_230724_71080	NW_004516614.1	Scaffold1401	71080	AA	TT	1940490460
SNP_P1_230725_71108	NW_004516614.1	Scaffold1401	71108	TT	GG	1940490461
SNP_P1_230726_71193	NW_004516614.1	Scaffold1401	71193	TT	CC	1940490462
SNP_P1_230727_71374	NW_004516614.1	Scaffold1401	71374	AA	GG	1940490463
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SNP_P1_230729_71485	NW_004516614.1	Scaffold1401	71485	CC	TT	1940490465
SNP_P1_230730_71613	NW_004516614.1	Scaffold1401	71613	AA	GG	1940490466

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230733_87793	NW_004516614.1	Scaffold1401	87793	GG	CC	1940490470
SNP_P1_230734_101007	NW_004516614.1	Scaffold1401	101007	AA	TT	1940490471
SNP_P1_230735_101087	NW_004516614.1	Scaffold1401	101087	GG	AA	1940490472
SNP_P1_230736_840	NW_004516615.1	Scaffold1403	840	GG	TT	1940490473
SNP_P1_230737_862	NW_004516615.1	Scaffold1403	862	CC	TT	1940490474
SNP_P1_230738_889	NW_004516615.1	Scaffold1403	889	TT	AA	1940490475
SNP_P1_230739_961	NW_004516615.1	Scaffold1403	961	AA	GG	1940490476
SNP_P1_230740_4198	NW_004516616.1	Scaffold1404	4198	CC	TT	1940490477
SNP_P1_230741_4199	NW_004516616.1	Scaffold1404	4199	AA	GG	1940490478
SNP_P1_230742_4214	NW_004516616.1	Scaffold1404	4214	GG	AA	1940490479
SNP_P1_230743_2711	NW_004516617.1	Scaffold1405	2711	CC	GG	1940490480
SNP_P1_230744_2965	NW_004516617.1	Scaffold1405	2965	CC	AA	1940490481
SNP_P1_230745_4454	NW_004516617.1	Scaffold1405	4454	GG	CC	1940490482
SNP_P1_230746_624	NW_004516619.1	Scaffold1408	624	AA	GG	1940490483
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SNP_P1_230758_5273	NW_004516619.1	Scaffold1408	5273	AA	GG	1940490495
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SNP_P1_230762_5949	NW_004516619.1	Scaffold1408	5949	GG	TT	1940490499
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SNP_P1_230766_7671	NW_004516619.1	Scaffold1408	7671	TT	GG	1940490503
SNP_P1_230767_7919	NW_004516619.1	Scaffold1408	7919	TT	AA	1940490504
SNP_P1_230768_8304	NW_004516619.1	Scaffold1408	8304	GG	TT	1940490505
SNP_P1_230769_9235	NW_004516619.1	Scaffold1408	9235	TT	CC	1940490506
SNP_P1_230770_9407	NW_004516619.1	Scaffold1408	9407	AA	CC	1940490507
SNP_P1_230771_9633	NW_004516619.1	Scaffold1408	9633	CC	TT	1940490508
SNP_P1_230772_9833	NW_004516619.1	Scaffold1408	9833	GG	CC	1940490509

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230774_10031	NW_004516619.1	Scaffold1408	10031	GG	CC	1940490511
SNP_P1_230775_10044	NW_004516619.1	Scaffold1408	10044	TT	CC	1940490512
SNP_P1_230776_10045	NW_004516619.1	Scaffold1408	10045	CC	TT	1940490513
SNP_P1_230777_10111	NW_004516619.1	Scaffold1408	10111	TT	GG	1940490514
SNP_P1_230778_10131	NW_004516619.1	Scaffold1408	10131	AA	GG	1940490515
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SNP_P1_230780_10449	NW_004516619.1	Scaffold1408	10449	TT	AA	1940490517
SNP_P1_230781_10511	NW_004516619.1	Scaffold1408	10511	GG	AA	1940490518
SNP_P1_230782_10516	NW_004516619.1	Scaffold1408	10516	TT	GG	1940490519
SNP_P1_230783_10610	NW_004516619.1	Scaffold1408	10610	GG	AA	1940490520
SNP_P1_230784_10668	NW_004516619.1	Scaffold1408	10668	TT	GG	1940490521
SNP_P1_230785_10672	NW_004516619.1	Scaffold1408	10672	CC	AA	1940490522
SNP_P1_230786_10795	NW_004516619.1	Scaffold1408	10795	TT	CC	1940490523
SNP_P1_230787_10897	NW_004516619.1	Scaffold1408	10897	TT	GG	1940490524
SNP_P1_230788_10937	NW_004516619.1	Scaffold1408	10937	GG	TT	1940490525
SNP_P1_230789_11039	NW_004516619.1	Scaffold1408	11039	CC	TT	1940490526
SNP_P1_230790_11041	NW_004516619.1	Scaffold1408	11041	TT	GG	1940490527
SNP_P1_230791_11318	NW_004516619.1	Scaffold1408	11318	CC	TT	1940490528
SNP_P1_230792_12084	NW_004516619.1	Scaffold1408	12084	CC	TT	1940490529
SNP_P1_230793_12140	NW_004516619.1	Scaffold1408	12140	CC	GG	1940490530
SNP_P1_230794_12292	NW_004516619.1	Scaffold1408	12292	CC	GG	1940490531
SNP_P1_230795_12407	NW_004516619.1	Scaffold1408	12407	AA	GG	1940490532
SNP_P1_230796_12421	NW_004516619.1	Scaffold1408	12421	TT	CC	1940490533
SNP_P1_230797_16413	NW_004516619.1	Scaffold1408	16413	AA	TT	1940490534
SNP_P1_230798_18406	NW_004516619.1	Scaffold1408	18406	TT	CC	1940490535
SNP_P1_230799_18753	NW_004516619.1	Scaffold1408	18753	AA	GG	1940490536
SNP_P1_230800_18760	NW_004516619.1	Scaffold1408	18760	TT	AA	1940490537
SNP_P1_230801_18836	NW_004516619.1	Scaffold1408	18836	TT	AA	1940490538
SNP_P1_230802_19137	NW_004516619.1	Scaffold1408	19137	GG	TT	1940490539
SNP_P1_230803_19138	NW_004516619.1	Scaffold1408	19138	TT	AA	1940490540
SNP_P1_230804_20442	NW_004516619.1	Scaffold1408	20442	TT	AA	1940490541
SNP_P1_230806_21551	NW_004516619.1	Scaffold1408	21551	GG	AA	1940490542
SNP_P1_230807_22729	NW_004516619.1	Scaffold1408	22729	TT	GG	1940490543
SNP_P1_230808_23083	NW_004516619.1	Scaffold1408	23083	TT	GG	1940490544
SNP_P1_230809_23814	NW_004516619.1	Scaffold1408	23814	GG	AA	1940490545
SNP_P1_230810_23819	NW_004516619.1	Scaffold1408	23819	CC	TT	1940490546
SNP_P1_230811_23822	NW_004516619.1	Scaffold1408	23822	TT	CC	1940490547
SNP_P1_230812_23986	NW_004516619.1	Scaffold1408	23986	GG	TT	1940490548
SNP_P1_230813_24607	NW_004516619.1	Scaffold1408	24607	CC	TT	1940490549
SNP_P1_230814_24672	NW_004516619.1	Scaffold1408	24672	GG	AA	1940490550
SNP_P1_230816_25011	NW_004516619.1	Scaffold1408	25011	GG	CC	1940490551

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230818_25112	NW_004516619.1	Scaffold1408	25112	AA	GG	1940490553
SNP_P1_230819_25228	NW_004516619.1	Scaffold1408	25228	CC	GG	1940490554
SNP_P1_230820_25233	NW_004516619.1	Scaffold1408	25233	AA	CC	1940490555
SNP_P1_230821_25962	NW_004516619.1	Scaffold1408	25962	CC	TT	1940490556
SNP_P1_230822_26068	NW_004516619.1	Scaffold1408	26068	AA	GG	1940490557
SNP_P1_230823_26092	NW_004516619.1	Scaffold1408	26092	CC	TT	1940490558
SNP_P1_230824_26220	NW_004516619.1	Scaffold1408	26220	CC	TT	1940490559
SNP_P1_230825_26296	NW_004516619.1	Scaffold1408	26296	TT	CC	1940490560
SNP_P1_230826_26338	NW_004516619.1	Scaffold1408	26338	CC	GG	1940490561
SNP_P1_230827_26395	NW_004516619.1	Scaffold1408	26395	TT	AA	1940490562
SNP_P1_230828_26413	NW_004516619.1	Scaffold1408	26413	AA	TT	1940490563
SNP_P1_230829_26414	NW_004516619.1	Scaffold1408	26414	TT	AA	1940490564
SNP_P1_230830_26485	NW_004516619.1	Scaffold1408	26485	AA	TT	1940490565
SNP_P1_230831_26534	NW_004516619.1	Scaffold1408	26534	TT	CC	1940490566
SNP_P1_230832_26602	NW_004516619.1	Scaffold1408	26602	GG	CC	1940490567
SNP_P1_230833_26651	NW_004516619.1	Scaffold1408	26651	TT	AA	1940490568
SNP_P1_230834_26678	NW_004516619.1	Scaffold1408	26678	GG	CC	1940490569
SNP_P1_230835_26688	NW_004516619.1	Scaffold1408	26688	GG	TT	1940490570
SNP_P1_230836_26751	NW_004516619.1	Scaffold1408	26751	AA	CC	1940490571
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SNP_P1_230840_26778	NW_004516619.1	Scaffold1408	26778	GG	TT	1940490575
SNP_P1_230842_26971	NW_004516619.1	Scaffold1408	26971	TT	AA	1940490576
SNP_P1_230843_26991	NW_004516619.1	Scaffold1408	26991	TT	AA	1940490577
SNP_P1_230844_27035	NW_004516619.1	Scaffold1408	27035	GG	AA	1940490578
SNP_P1_230845_27147	NW_004516619.1	Scaffold1408	27147	GG	CC	1940490579
SNP_P1_230846_27153	NW_004516619.1	Scaffold1408	27153	TT	GG	1940490580
SNP_P1_230847_27277	NW_004516619.1	Scaffold1408	27277	CC	TT	1940490581
SNP_P1_230848_27349	NW_004516619.1	Scaffold1408	27349	GG	TT	1940490582
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SNP_P1_230853_27498	NW_004516619.1	Scaffold1408	27498	CC	GG	1940490587
SNP_P1_230854_27523	NW_004516619.1	Scaffold1408	27523	AA	GG	1940490588
SNP_P1_230855_27587	NW_004516619.1	Scaffold1408	27587	AA	TT	1940490589
SNP_P1_230856_27779	NW_004516619.1	Scaffold1408	27779	GG	TT	1940490590
SNP_P1_230858_27995	NW_004516619.1	Scaffold1408	27995	AA	TT	1940490591
SNP_P1_230859_28025	NW_004516619.1	Scaffold1408	28025	TT	CC	1940490592
SNP_P1_230860_28029	NW_004516619.1	Scaffold1408	28029	CC	TT	1940490593

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230862_28182	NW_004516619.1	Scaffold1408	28182	TT	GG	1940490595
SNP_P1_230863_28329	NW_004516619.1	Scaffold1408	28329	GG	CC	1940490596
SNP_P1_230864_29186	NW_004516619.1	Scaffold1408	29186	CC	TT	1940490597
SNP_P1_230865_29202	NW_004516619.1	Scaffold1408	29202	AA	GG	1940490598
SNP_P1_230866_29283	NW_004516619.1	Scaffold1408	29283	AA	TT	1940490599
SNP_P1_230867_29302	NW_004516619.1	Scaffold1408	29302	TT	GG	1940490600
SNP_P1_230868_29303	NW_004516619.1	Scaffold1408	29303	AA	TT	1940490601
SNP_P1_230869_29328	NW_004516619.1	Scaffold1408	29328	CC	TT	1940490602
SNP_P1_230870_29389	NW_004516619.1	Scaffold1408	29389	AA	GG	1940490603
SNP_P1_230871_29441	NW_004516619.1	Scaffold1408	29441	AA	GG	1940490604
SNP_P1_230872_29574	NW_004516619.1	Scaffold1408	29574	TT	AA	1940490605
SNP_P1_230873_29575	NW_004516619.1	Scaffold1408	29575	GG	TT	1940490606
SNP_P1_230874_31893	NW_004516619.1	Scaffold1408	31893	CC	GG	1940490607
SNP_P1_230875_32101	NW_004516619.1	Scaffold1408	32101	TT	CC	1940490608
SNP_P1_230876_34640	NW_004516619.1	Scaffold1408	34640	AA	CC	1940490609
SNP_P1_230877_34721	NW_004516619.1	Scaffold1408	34721	AA	CC	1940490610
SNP_P1_230878_34804	NW_004516619.1	Scaffold1408	34804	AA	GG	1940490611
SNP_P1_230879_34851	NW_004516619.1	Scaffold1408	34851	GG	AA	1940490612
SNP_P1_230880_34962	NW_004516619.1	Scaffold1408	34962	TT	CC	1940490613
SNP_P1_230881_34963	NW_004516619.1	Scaffold1408	34963	GG	AA	1940490614
SNP_P1_230882_34994	NW_004516619.1	Scaffold1408	34994	TT	CC	1940490615
SNP_P1_230883_35039	NW_004516619.1	Scaffold1408	35039	CC	AA	1940490616
SNP_P1_230884_35214	NW_004516619.1	Scaffold1408	35214	GG	AA	1940490617
SNP_P1_230885_35313	NW_004516619.1	Scaffold1408	35313	TT	AA	1940490618
SNP_P1_230886_36000	NW_004516619.1	Scaffold1408	36000	AA	TT	1940490619
SNP_P1_230887_36841	NW_004516619.1	Scaffold1408	36841	GG	TT	1940490621
SNP_P1_230889_37011	NW_004516619.1	Scaffold1408	37011	TT	GG	1940490622
SNP_P1_230890_37063	NW_004516619.1	Scaffold1408	37063	GG	AA	1940490623
SNP_P1_230891_37111	NW_004516619.1	Scaffold1408	37111	AA	GG	1940490624
SNP_P1_230892_37147	NW_004516619.1	Scaffold1408	37147	TT	AA	1940490625
SNP_P1_230893_37165	NW_004516619.1	Scaffold1408	37165	AA	CC	1940490626
SNP_P1_230894_37207	NW_004516619.1	Scaffold1408	37207	GG	TT	1940490627
SNP_P1_230895_37216	NW_004516619.1	Scaffold1408	37216	CC	TT	1940490628
SNP_P1_230896_37235	NW_004516619.1	Scaffold1408	37235	GG	AA	1940490629
SNP_P1_230897_37248	NW_004516619.1	Scaffold1408	37248	AA	TT	1940490630
SNP_P1_230898_37249	NW_004516619.1	Scaffold1408	37249	GG	AA	1940490631
SNP_P1_230899_37265	NW_004516619.1	Scaffold1408	37265	GG	CC	1940490632
SNP_P1_230900_37326	NW_004516619.1	Scaffold1408	37326	TT	CC	1940490633
SNP_P1_230901_37389	NW_004516619.1	Scaffold1408	37389	AA	GG	1940490634
SNP_P1_230902_39530	NW_004516619.1	Scaffold1408	39530	TT	GG	1940490635
SNP_P1_230903_39569	NW_004516619.1	Scaffold1408	39569	GG	AA	1940490636

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230905_40671	NW_004516619.1	Scaffold1408	40671	TT	AA	1940490638
SNP_P1_230906_52542	NW_004516619.1	Scaffold1408	52542	TT	GG	1940490639
SNP_P1_230907_53054	NW_004516619.1	Scaffold1408	53054	CC	TT	1940490640
SNP_P1_230908_53097	NW_004516619.1	Scaffold1408	53097	AA	GG	1940490641
SNP_P1_230909_53100	NW_004516619.1	Scaffold1408	53100	CC	AA	1940490642
SNP_P1_230910_53104	NW_004516619.1	Scaffold1408	53104	CC	TT	1940490643
SNP_P1_230911_53106	NW_004516619.1	Scaffold1408	53106	TT	AA	1940490644
SNP_P1_230912_53117	NW_004516619.1	Scaffold1408	53117	TT	AA	1940490645
SNP_P1_230913_53122	NW_004516619.1	Scaffold1408	53122	TT	AA	1940490646
SNP_P1_230914_53132	NW_004516619.1	Scaffold1408	53132	AA	TT	1940490647
SNP_P1_230915_53145	NW_004516619.1	Scaffold1408	53145	GG	AA	1940490648
SNP_P1_230916_53150	NW_004516619.1	Scaffold1408	53150	TT	CC	1940490649
SNP_P1_230917_53242	NW_004516619.1	Scaffold1408	53242	GG	CC	1940490650
SNP_P1_230918_53252	NW_004516619.1	Scaffold1408	53252	AA	CC	1940490651
SNP_P1_230919_53269	NW_004516619.1	Scaffold1408	53269	GG	TT	1940490652
SNP_P1_230920_53298	NW_004516619.1	Scaffold1408	53298	CC	TT	1940490653
SNP_P1_230921_53596	NW_004516619.1	Scaffold1408	53596	TT	AA	1940490654
SNP_P1_230922_54611	NW_004516619.1	Scaffold1408	54611	AA	CC	1940490655
SNP_P1_230923_54797	NW_004516619.1	Scaffold1408	54797	AA	GG	1940490656
SNP_P1_230924_54907	NW_004516619.1	Scaffold1408	54907	AA	GG	1940490657
SNP_P1_230925_54927	NW_004516619.1	Scaffold1408	54927	GG	TT	1940490658
SNP_P1_230926_55167	NW_004516619.1	Scaffold1408	55167	AA	TT	1940490659
SNP_P1_230927_55219	NW_004516619.1	Scaffold1408	55219	CC	TT	1940490660
SNP_P1_230928_55607	NW_004516619.1	Scaffold1408	55607	TT	AA	1940490661
SNP_P1_230929_55670	NW_004516619.1	Scaffold1408	55670	AA	GG	1940490662
SNP_P1_230930_55793	NW_004516619.1	Scaffold1408	55793	TT	CC	1940490663
SNP_P1_230931_55794	NW_004516619.1	Scaffold1408	55794	TT	CC	1940490664
SNP_P1_230932_56096	NW_004516619.1	Scaffold1408	56096	AA	GG	1940490665
SNP_P1_230933_56180	NW_004516619.1	Scaffold1408	56180	AA	CC	1940490666
SNP_P1_230934_56198	NW_004516619.1	Scaffold1408	56198	TT	CC	1940490667
SNP_P1_230935_56625	NW_004516619.1	Scaffold1408	56625	AA	CC	1940490668
SNP_P1_230936_56892	NW_004516619.1	Scaffold1408	56892	AA	CC	1940490669
SNP_P1_230937_62602	NW_004516619.1	Scaffold1408	62602	TT	CC	1940490670
SNP_P1_230938_62889	NW_004516619.1	Scaffold1408	62889	TT	GG	1940490671
SNP_P1_230939_63231	NW_004516619.1	Scaffold1408	63231	AA	GG	1940490672
SNP_P1_230940_66317	NW_004516619.1	Scaffold1408	66317	CC	AA	1940490673
SNP_P1_230941_66323	NW_004516619.1	Scaffold1408	66323	TT	AA	1940490674
SNP_P1_230942_66463	NW_004516619.1	Scaffold1408	66463	AA	TT	1940490675
SNP_P1_230943_66530	NW_004516619.1	Scaffold1408	66530	TT	GG	1940490676
SNP_P1_230944_66596	NW_004516619.1	Scaffold1408	66596	TT	CC	1940490677
SNP_P1_230945_66725	NW_004516619.1	Scaffold1408	66725	TT	AA	1940490678

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230947_66871	NW_004516619.1	Scaffold1408	66871	GG	TT	1940490680
SNP_P1_230948_66992	NW_004516619.1	Scaffold1408	66992	GG	AA	1940490681
SNP_P1_230949_68187	NW_004516619.1	Scaffold1408	68187	TT	CC	1940490682
SNP_P1_230950_68209	NW_004516619.1	Scaffold1408	68209	CC	AA	1940490683
SNP_P1_230951_68240	NW_004516619.1	Scaffold1408	68240	CC	GG	1940490684
SNP_P1_230952_68250	NW_004516619.1	Scaffold1408	68250	CC	GG	1940490685
SNP_P1_230953_68267	NW_004516619.1	Scaffold1408	68267	TT	AA	1940490686
SNP_P1_230954_68306	NW_004516619.1	Scaffold1408	68306	TT	GG	1940490687
SNP_P1_230955_68335	NW_004516619.1	Scaffold1408	68335	AA	GG	1940490688
SNP_P1_230956_68490	NW_004516619.1	Scaffold1408	68490	AA	GG	1940490689
SNP_P1_230957_68508	NW_004516619.1	Scaffold1408	68508	CC	TT	1940490690
SNP_P1_230958_69184	NW_004516619.1	Scaffold1408	69184	AA	GG	1940490691
SNP_P1_230959_69220	NW_004516619.1	Scaffold1408	69220	TT	GG	1940490692
SNP_P1_230960_69225	NW_004516619.1	Scaffold1408	69225	GG	CC	1940490693
SNP_P1_230961_69266	NW_004516619.1	Scaffold1408	69266	AA	TT	1940490694
SNP_P1_230962_69412	NW_004516619.1	Scaffold1408	69412	CC	TT	1940490695
SNP_P1_230963_69652	NW_004516619.1	Scaffold1408	69652	CC	TT	1940490696
SNP_P1_230964_69770	NW_004516619.1	Scaffold1408	69770	GG	TT	1940490697
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SNP_P1_230966_69863	NW_004516619.1	Scaffold1408	69863	CC	TT	1940490699
SNP_P1_230967_70058	NW_004516619.1	Scaffold1408	70058	TT	CC	1940490700
SNP_P1_230968_70141	NW_004516619.1	Scaffold1408	70141	GG	AA	1940490701
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SNP_P1_230970_70484	NW_004516619.1	Scaffold1408	70484	CC	TT	1940490703
SNP_P1_230971_70487	NW_004516619.1	Scaffold1408	70487	TT	AA	1940490704
SNP_P1_230972_70638	NW_004516619.1	Scaffold1408	70638	CC	GG	1940490705
SNP_P1_230973_70655	NW_004516619.1	Scaffold1408	70655	TT	AA	1940490706
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SNP_P1_230975_71602	NW_004516619.1	Scaffold1408	71602	TT	GG	1940490708
SNP_P1_230976_71650	NW_004516619.1	Scaffold1408	71650	CC	AA	1940490709
SNP_P1_230977_71683	NW_004516619.1	Scaffold1408	71683	TT	AA	1940490710
SNP_P1_230979_71799	NW_004516619.1	Scaffold1408	71799	TT	AA	1940490711
SNP_P1_230980_71985	NW_004516619.1	Scaffold1408	71985	GG	AA	1940490712
SNP_P1_230981_72045	NW_004516619.1	Scaffold1408	72045	GG	TT	1940490713
SNP_P1_230982_72071	NW_004516619.1	Scaffold1408	72071	GG	TT	1940490714
SNP_P1_230983_72109	NW_004516619.1	Scaffold1408	72109	TT	AA	1940490715
SNP_P1_230984_72312	NW_004516619.1	Scaffold1408	72312	TT	CC	1940490716
SNP_P1_230985_72491	NW_004516619.1	Scaffold1408	72491	CC	GG	1940490717
SNP_P1_230986_72621	NW_004516619.1	Scaffold1408	72621	GG	TT	1940490718
SNP_P1_230987_72654	NW_004516619.1	Scaffold1408	72654	TT	AA	1940490719
SNP_P1_230988_72660	NW_004516619.1	Scaffold1408	72660	GG	TT	1940490720

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_230991_74896	NW_004516619.1	Scaffold1408	74896	GG	AA	1940490723
SNP_P1_230992_75364	NW_004516619.1	Scaffold1408	75364	CC	GG	1940490724
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SNP_P1_230994_75536	NW_004516619.1	Scaffold1408	75536	CC	TT	1940490726
SNP_P1_230995_76302	NW_004516619.1	Scaffold1408	76302	CC	GG	1940490727
SNP_P1_230996_76364	NW_004516619.1	Scaffold1408	76364	CC	TT	1940490728
SNP_P1_230997_77503	NW_004516619.1	Scaffold1408	77503	TT	CC	1940490729
SNP_P1_230998_77520	NW_004516619.1	Scaffold1408	77520	TT	CC	1940490730
SNP_P1_230999_77524	NW_004516619.1	Scaffold1408	77524	CC	GG	1940490731
SNP_P1_231000_77899	NW_004516619.1	Scaffold1408	77899	TT	CC	1940490732
SNP_P1_231001_77935	NW_004516619.1	Scaffold1408	77935	GG	CC	1940490733
SNP_P1_231002_78006	NW_004516619.1	Scaffold1408	78006	TT	CC	1940490734
SNP_P1_231003_78109	NW_004516619.1	Scaffold1408	78109	GG	AA	1940490735
SNP_P1_231004_78161	NW_004516619.1	Scaffold1408	78161	CC	AA	1940490736
SNP_P1_231005_78269	NW_004516619.1	Scaffold1408	78269	GG	CC	1940490737
SNP_P1_231006_79754	NW_004516619.1	Scaffold1408	79754	TT	CC	1940490738
SNP_P1_231007_80181	NW_004516619.1	Scaffold1408	80181	TT	CC	1940490739
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SNP_P1_231012_81246	NW_004516619.1	Scaffold1408	81246	GG	AA	1940490744
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SNP_P1_231014_81702	NW_004516619.1	Scaffold1408	81702	TT	AA	1940490746
SNP_P1_231015_81789	NW_004516619.1	Scaffold1408	81789	TT	CC	1940490747
SNP_P1_231016_81819	NW_004516619.1	Scaffold1408	81819	CC	TT	1940490748
SNP_P1_231017_82001	NW_004516619.1	Scaffold1408	82001	TT	AA	1940490749
SNP_P1_231018_82064	NW_004516619.1	Scaffold1408	82064	GG	TT	1940490750
SNP_P1_231019_82136	NW_004516619.1	Scaffold1408	82136	CC	TT	1940490751
SNP_P1_231020_82623	NW_004516619.1	Scaffold1408	82623	TT	CC	1940490752
SNP_P1_231021_82714	NW_004516619.1	Scaffold1408	82714	GG	CC	1940490753
SNP_P1_231022_82828	NW_004516619.1	Scaffold1408	82828	GG	AA	1940490754
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SNP_P1_231025_83047	NW_004516619.1	Scaffold1408	83047	GG	TT	1940490757
SNP_P1_231026_83108	NW_004516619.1	Scaffold1408	83108	TT	CC	1940490758
SNP_P1_231027_83610	NW_004516619.1	Scaffold1408	83610	CC	TT	1940490759
SNP_P1_231028_83784	NW_004516619.1	Scaffold1408	83784	GG	TT	1940490760
SNP_P1_231029_84068	NW_004516619.1	Scaffold1408	84068	TT	GG	1940490761
SNP_P1_231030_84137	NW_004516619.1	Scaffold1408	84137	CC	AA	1940490762

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231033_84941	NW_004516619.1	Scaffold1408	84941	CC	TT	1940490765
SNP_P1_231034_85025	NW_004516619.1	Scaffold1408	85025	TT	GG	1940490766
SNP_P1_231035_85104	NW_004516619.1	Scaffold1408	85104	TT	GG	1940490767
SNP_P1_231036_85133	NW_004516619.1	Scaffold1408	85133	TT	GG	1940490768
SNP_P1_231037_85216	NW_004516619.1	Scaffold1408	85216	AA	TT	1940490769
SNP_P1_231039_85772	NW_004516619.1	Scaffold1408	85772	AA	CC	1940490771
SNP_P1_231040_85892	NW_004516619.1	Scaffold1408	85892	GG	TT	1940490772
SNP_P1_231041_85906	NW_004516619.1	Scaffold1408	85906	AA	TT	1940490773
SNP_P1_231042_85912	NW_004516619.1	Scaffold1408	85912	TT	CC	1940490774
SNP_P1_231043_85918	NW_004516619.1	Scaffold1408	85918	GG	TT	1940490775
SNP_P1_231044_86640	NW_004516619.1	Scaffold1408	86640	AA	TT	1940490776
SNP_P1_231045_86801	NW_004516619.1	Scaffold1408	86801	AA	GG	1940490777
SNP_P1_231046_87110	NW_004516619.1	Scaffold1408	87110	AA	GG	1940490778
SNP_P1_231047_87138	NW_004516619.1	Scaffold1408	87138	AA	CC	1940490779
SNP_P1_231048_88961	NW_004516619.1	Scaffold1408	88961	AA	TT	1940490780
SNP_P1_231049_88965	NW_004516619.1	Scaffold1408	88965	AA	GG	1940490781
SNP_P1_231050_89866	NW_004516619.1	Scaffold1408	89866	CC	TT	1940490782
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SNP_P1_231052_91030	NW_004516619.1	Scaffold1408	91030	GG	AA	1940490784
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SNP_P1_231054_91251	NW_004516619.1	Scaffold1408	91251	CC	TT	1940490786
SNP_P1_231055_91499	NW_004516619.1	Scaffold1408	91499	GG	AA	1940490787
SNP_P1_231056_91552	NW_004516619.1	Scaffold1408	91552	AA	GG	1940490788
SNP_P1_231057_91704	NW_004516619.1	Scaffold1408	91704	TT	AA	1940490789
SNP_P1_231058_91980	NW_004516619.1	Scaffold1408	91980	AA	TT	1940490790
SNP_P1_231059_92249	NW_004516619.1	Scaffold1408	92249	AA	TT	1940490791
SNP_P1_231061_92365	NW_004516619.1	Scaffold1408	92365	TT	CC	1940490792
SNP_P1_231062_92446	NW_004516619.1	Scaffold1408	92446	GG	AA	1940490793
SNP_P1_231063_92451	NW_004516619.1	Scaffold1408	92451	CC	GG	1940490794
SNP_P1_231064_92486	NW_004516619.1	Scaffold1408	92486	AA	GG	1940490795
SNP_P1_231065_92545	NW_004516619.1	Scaffold1408	92545	AA	TT	1940490796
SNP_P1_231066_92582	NW_004516619.1	Scaffold1408	92582	CC	TT	1940490797
SNP_P1_231067_92592	NW_004516619.1	Scaffold1408	92592	TT	GG	1940490798
SNP_P1_231068_92620	NW_004516619.1	Scaffold1408	92620	TT	GG	1940490799
SNP_P1_231069_92667	NW_004516619.1	Scaffold1408	92667	GG	AA	1940490800
SNP_P1_231070_92736	NW_004516619.1	Scaffold1408	92736	TT	AA	1940490801
SNP_P1_231071_92815	NW_004516619.1	Scaffold1408	92815	CC	TT	1940490802
SNP_P1_231072_92850	NW_004516619.1	Scaffold1408	92850	GG	TT	1940490803
SNP_P1_231073_92870	NW_004516619.1	Scaffold1408	92870	TT	GG	1940490804
SNP_P1_231074_92918	NW_004516619.1	Scaffold1408	92918	AA	TT	1940490805

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231078_96151	NW_004516619.1	Scaffold1408	96151	CC	AA	1940490808
SNP_P1_231079_96197	NW_004516619.1	Scaffold1408	96197	CC	TT	1940490809
SNP_P1_231080_96209	NW_004516619.1	Scaffold1408	96209	GG	AA	1940490810
SNP_P1_231081_96269	NW_004516619.1	Scaffold1408	96269	TT	AA	1940490811
SNP_P1_231082_96290	NW_004516619.1	Scaffold1408	96290	GG	AA	1940490812
SNP_P1_231083_96558	NW_004516619.1	Scaffold1408	96558	TT	AA	1940490813
SNP_P1_231084_96936	NW_004516619.1	Scaffold1408	96936	TT	GG	1940490814
SNP_P1_231085_97235	NW_004516619.1	Scaffold1408	97235	GG	TT	1940490815
SNP_P1_231086_101536	NW_004516619.1	Scaffold1408	101536	AA	GG	1940490816
SNP_P1_231087_101665	NW_004516619.1	Scaffold1408	101665	TT	AA	1940490817
SNP_P1_231088_101954	NW_004516619.1	Scaffold1408	101954	TT	AA	1940490818
SNP_P1_231089_102065	NW_004516619.1	Scaffold1408	102065	TT	AA	1940490819
SNP_P1_231090_102289	NW_004516619.1	Scaffold1408	102289	AA	CC	1940490820
SNP_P1_231091_102346	NW_004516619.1	Scaffold1408	102346	CC	AA	1940490821
SNP_P1_231092_102347	NW_004516619.1	Scaffold1408	102347	TT	CC	1940490822
SNP_P1_231093_102376	NW_004516619.1	Scaffold1408	102376	AA	CC	1940490823
SNP_P1_231094_103198	NW_004516619.1	Scaffold1408	103198	CC	AA	1940490824
SNP_P1_231095_103316	NW_004516619.1	Scaffold1408	103316	AA	CC	1940490825
SNP_P1_231096_103333	NW_004516619.1	Scaffold1408	103333	TT	GG	1940490826
SNP_P1_231097_103646	NW_004516619.1	Scaffold1408	103646	TT	CC	1940490827
SNP_P1_231098_104372	NW_004516619.1	Scaffold1408	104372	GG	AA	1940490828
SNP_P1_231099_104452	NW_004516619.1	Scaffold1408	104452	AA	GG	1940490829
SNP_P1_231100_104639	NW_004516619.1	Scaffold1408	104639	GG	TT	1940490830
SNP_P1_231101_104667	NW_004516619.1	Scaffold1408	104667	AA	TT	1940490831
SNP_P1_231102_105145	NW_004516619.1	Scaffold1408	105145	AA	GG	1940490832
SNP_P1_231103_105692	NW_004516619.1	Scaffold1408	105692	AA	TT	1940490833
SNP_P1_231104_105712	NW_004516619.1	Scaffold1408	105712	GG	TT	1940490834
SNP_P1_231105_105716	NW_004516619.1	Scaffold1408	105716	AA	CC	1940490835
SNP_P1_231106_108089	NW_004516619.1	Scaffold1408	108089	AA	TT	1940490836
SNP_P1_231107_108639	NW_004516619.1	Scaffold1408	108639	GG	TT	1940490837
SNP_P1_231108_108640	NW_004516619.1	Scaffold1408	108640	TT	GG	1940490838
SNP_P1_231109_108733	NW_004516619.1	Scaffold1408	108733	GG	AA	1940490839
SNP_P1_231110_5671	NW_004516620.1	Scaffold1409	5671	GG	AA	1940490840
SNP_P1_231111_5680	NW_004516620.1	Scaffold1409	5680	TT	AA	1940490841
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SNP_P1_231113_5728	NW_004516620.1	Scaffold1409	5728	CC	TT	1940490843
SNP_P1_231114_5761	NW_004516620.1	Scaffold1409	5761	AA	CC	1940490844
SNP_P1_231115_5771	NW_004516620.1	Scaffold1409	5771	AA	TT	1940490845
SNP_P1_231116_6054	NW_004516620.1	Scaffold1409	6054	CC	TT	1940490846
SNP_P1_231117_6094	NW_004516620.1	Scaffold1409	6094	TT	AA	1940490847

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231119_6922	NW_004516620.1	Scaffold1409	6922	AA	GG	1940490849
SNP_P1_231120_7328	NW_004516620.1	Scaffold1409	7328	TT	CC	1940490850
SNP_P1_231121_7335	NW_004516620.1	Scaffold1409	7335	GG	AA	1940490851
SNP_P1_231122_7345	NW_004516620.1	Scaffold1409	7345	AA	GG	1940490852
SNP_P1_231123_7412	NW_004516620.1	Scaffold1409	7412	GG	AA	1940490853
SNP_P1_231124_8884	NW_004516620.1	Scaffold1409	8884	TT	CC	1940490854
SNP_P1_231125_8919	NW_004516620.1	Scaffold1409	8919	AA	GG	1940490855
SNP_P1_231126_8950	NW_004516620.1	Scaffold1409	8950	AA	GG	1940490856
SNP_P1_231127_8982	NW_004516620.1	Scaffold1409	8982	TT	CC	1940490857
SNP_P1_231128_8996	NW_004516620.1	Scaffold1409	8996	CC	TT	1940490858
SNP_P1_231129_9006	NW_004516620.1	Scaffold1409	9006	CC	TT	1940490859
SNP_P1_231131_9107	NW_004516620.1	Scaffold1409	9107	CC	AA	1940490860
SNP_P1_231132_9152	NW_004516620.1	Scaffold1409	9152	CC	TT	1940490861
SNP_P1_231133_9213	NW_004516620.1	Scaffold1409	9213	CC	TT	1940490862
SNP_P1_231135_9257	NW_004516620.1	Scaffold1409	9257	TT	AA	1940490863
SNP_P1_231136_9336	NW_004516620.1	Scaffold1409	9336	TT	AA	1940490864
SNP_P1_231137_9452	NW_004516620.1	Scaffold1409	9452	CC	TT	1940490865
SNP_P1_231138_9510	NW_004516620.1	Scaffold1409	9510	TT	CC	1940490866
SNP_P1_231139_9568	NW_004516620.1	Scaffold1409	9568	CC	TT	1940490867
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SNP_P1_231145_10216	NW_004516620.1	Scaffold1409	10216	TT	AA	1940490873
SNP_P1_231146_10237	NW_004516620.1	Scaffold1409	10237	AA	GG	1940490874
SNP_P1_231147_10499	NW_004516620.1	Scaffold1409	10499	AA	TT	1940490875
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SNP_P1_231152_12800	NW_004516620.1	Scaffold1409	12800	GG	AA	1940490880
SNP_P1_231153_14734	NW_004516620.1	Scaffold1409	14734	GG	CC	1940490881
SNP_P1_231154_35683	NW_004516622.1	Scaffold1411	35683	AA	GG	1940490882
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SNP_P1_231156_36150	NW_004516622.1	Scaffold1411	36150	AA	CC	1940490884
SNP_P1_231157_36153	NW_004516622.1	Scaffold1411	36153	GG	AA	1940490885
SNP_P1_231158_39021	NW_004516622.1	Scaffold1411	39021	GG	TT	1940490886
SNP_P1_231159_39207	NW_004516622.1	Scaffold1411	39207	TT	CC	1940490887
SNP_P1_231160_47146	NW_004516622.1	Scaffold1411	47146	CC	AA	1940490888
SNP_P1_231161_59895	NW_004516622.1	Scaffold1411	59895	CC	AA	1940490889
SNP_P1_231162_72306	NW_004516622.1	Scaffold1411	72306	AA	CC	1940490890

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231165_87711	NW_004516622.1	Scaffold1411	87711	AA	GG	1940490893
SNP_P1_231166_88767	NW_004516622.1	Scaffold1411	88767	AA	GG	1940490894
SNP_P1_231167_88780	NW_004516622.1	Scaffold1411	88780	AA	TT	1940490895
SNP_P1_231168_89136	NW_004516622.1	Scaffold1411	89136	TT	GG	1940490896
SNP_P1_231169_89149	NW_004516622.1	Scaffold1411	89149	AA	CC	1940490897
SNP_P1_231170_100167	NW_004516622.1	Scaffold1411	100167	GG	AA	1940490898
SNP_P1_231171_113777	NW_004516622.1	Scaffold1411	113777	TT	GG	1940490899
SNP_P1_231173_125347	NW_004516622.1	Scaffold1411	125347	GG	TT	1940490900
SNP_P1_231174_135337	NW_004516622.1	Scaffold1411	135337	CC	AA	1940490901
SNP_P1_231175_137088	NW_004516622.1	Scaffold1411	137088	TT	AA	1940490902
SNP_P1_231177_139327	NW_004516622.1	Scaffold1411	139327	CC	TT	1940490903
SNP_P1_231178_304	NW_004516623.1	Scaffold1412	304	GG	AA	1940490904
SNP_P1_231180_3426	NW_004516623.1	Scaffold1412	3426	TT	AA	1940490905
SNP_P1_231181_3460	NW_004516623.1	Scaffold1412	3460	GG	AA	1940490906
SNP_P1_231182_3482	NW_004516623.1	Scaffold1412	3482	GG	AA	1940490907
SNP_P1_231183_3734	NW_004516623.1	Scaffold1412	3734	TT	CC	1940490908
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SNP_P1_231187_4774	NW_004516623.1	Scaffold1412	4774	AA	GG	1940490912
SNP_P1_231188_4786	NW_004516623.1	Scaffold1412	4786	AA	GG	1940490913
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SNP_P1_231191_17077	NW_004516623.1	Scaffold1412	17077	GG	AA	1940490916
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SNP_P1_231194_17595	NW_004516623.1	Scaffold1412	17595	CC	TT	1940490919
SNP_P1_231196_447	NW_004516624.1	Scaffold1413	447	AA	CC	1940490920
SNP_P1_231197_1789	NW_004516625.1	Scaffold1414	1789	GG	TT	1940490921
SNP_P1_231198_2038	NW_004516625.1	Scaffold1414	2038	TT	GG	1940490922
SNP_P1_231199_2051	NW_004516625.1	Scaffold1414	2051	AA	GG	1940490923
SNP_P1_231200_2437	NW_004516625.1	Scaffold1414	2437	AA	TT	1940490924
SNP_P1_231201_2521	NW_004516625.1	Scaffold1414	2521	AA	TT	1940490925
SNP_P1_231203_2742	NW_004516625.1	Scaffold1414	2742	TT	AA	1940490926
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SNP_P1_231205_20654	NW_004516625.1	Scaffold1414	20654	CC	TT	1940490928
SNP_P1_231206_20673	NW_004516625.1	Scaffold1414	20673	AA	GG	1940490929
SNP_P1_231207_20876	NW_004516625.1	Scaffold1414	20876	AA	GG	1940490930
SNP_P1_231208_20978	NW_004516625.1	Scaffold1414	20978	TT	CC	1940490931
SNP_P1_231209_23418	NW_004516625.1	Scaffold1414	23418	CC	GG	1940490932

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_231210_29528	NW_004516625.1	Scaffold1414	29528	GG	AA	1940490933
SNP_P1_231211_29817	NW_004516625.1	Scaffold1414	29817	TT	CC	1940490934
SNP_P1_231212_32255	NW_004516625.1	Scaffold1414	32255	TT	CC	1940490935
SNP_P1_231213_32360	NW_004516625.1	Scaffold1414	32360	CC	TT	1940490936
SNP_P1_231214_32423	NW_004516625.1	Scaffold1414	32423	TT	CC	1940490937
SNP_P1_231215_33045	NW_004516625.1	Scaffold1414	33045	TT	CC	1940490938
SNP_P1_231216_33436	NW_004516625.1	Scaffold1414	33436	AA	GG	1940490939
SNP_P1_231217_35615	NW_004516625.1	Scaffold1414	35615	TT	CC	1940490940
SNP_P1_231218_35626	NW_004516625.1	Scaffold1414	35626	TT	AA	1940490941
SNP_P1_231219_35652	NW_004516625.1	Scaffold1414	35652	TT	CC	1940490942
SNP_P1_231220_36025	NW_004516625.1	Scaffold1414	36025	GG	CC	1940490943
SNP_P1_231221_36140	NW_004516625.1	Scaffold1414	36140	TT	CC	1940490944
SNP_P1_231222_36281	NW_004516625.1	Scaffold1414	36281	GG	TT	1940490945
SNP_P1_231223_36485	NW_004516625.1	Scaffold1414	36485	CC	AA	1940490946
SNP_P1_231224_36500	NW_004516625.1	Scaffold1414	36500	TT	AA	1940490947
SNP_P1_231225_36517	NW_004516625.1	Scaffold1414	36517	AA	GG	1940490948
SNP_P1_231226_36519	NW_004516625.1	Scaffold1414	36519	AA	TT	1940490949
SNP_P1_231227_36520	NW_004516625.1	Scaffold1414	36520	AA	GG	1940490950
SNP_P1_231228_38087	NW_004516625.1	Scaffold1414	38087	GG	AA	1940490951
SNP_P1_231229_38155	NW_004516625.1	Scaffold1414	38155	TT	CC	1940490952
SNP_P1_231230_38194	NW_004516625.1	Scaffold1414	38194	GG	AA	1940490953
SNP_P1_231232_39839	NW_004516625.1	Scaffold1414	39839	AA	TT	1940490954
SNP_P1_231233_40007	NW_004516625.1	Scaffold1414	40007	CC	TT	1940490955
SNP_P1_231234_40772	NW_004516625.1	Scaffold1414	40772	GG	TT	1940490956
SNP_P1_231235_40787	NW_004516625.1	Scaffold1414	40787	TT	CC	1940490957
SNP_P1_231236_45633	NW_004516625.1	Scaffold1414	45633	AA	CC	1940490958
SNP_P1_231237_46367	NW_004516625.1	Scaffold1414	46367	CC	TT	1940490959
SNP_P1_231238_48610	NW_004516625.1	Scaffold1414	48610	GG	TT	1940490960
SNP_P1_231239_48658	NW_004516625.1	Scaffold1414	48658	TT	AA	1940490961
SNP_P1_231240_48682	NW_004516625.1	Scaffold1414	48682	GG	TT	1940490962
SNP_P1_231241_48687	NW_004516625.1	Scaffold1414	48687	CC	TT	1940490963
SNP_P1_231242_48864	NW_004516625.1	Scaffold1414	48864	TT	CC	1940490964
SNP_P1_231243_50331	NW_004516625.1	Scaffold1414	50331	AA	TT	1940490965
SNP_P1_231244_50334	NW_004516625.1	Scaffold1414	50334	TT	AA	1940490966
SNP_P1_231245_52562	NW_004516625.1	Scaffold1414	52562	TT	AA	1940490967
SNP_P1_231246_55014	NW_004516625.1	Scaffold1414	55014	AA	TT	1940490968
SNP_P1_231247_55023	NW_004516625.1	Scaffold1414	55023	AA	GG	1940490969
SNP_P1_231248_55033	NW_004516625.1	Scaffold1414	55033	TT	CC	1940490970
SNP_P1_231249_55133	NW_004516625.1	Scaffold1414	55133	CC	GG	1940490971
SNP_P1_231250_55402	NW_004516625.1	Scaffold1414	55402	AA	CC	1940490972
SNP_P1_231251_55434	NW_004516625.1	Scaffold1414	55434	AA	GG	1940490973
SNP_P1_231252_56195	NW_004516625.1	Scaffold1414	56195	TT	AA	1940490974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231254_59516	NW_004516625.1	Scaffold1414	59516	AA	GG	1940490976
SNP_P1_231255_59759	NW_004516625.1	Scaffold1414	59759	GG	AA	1940490977
SNP_P1_231256_59813	NW_004516625.1	Scaffold1414	59813	CC	TT	1940490978
SNP_P1_231257_59835	NW_004516625.1	Scaffold1414	59835	AA	GG	1940490979
SNP_P1_231258_64718	NW_004516625.1	Scaffold1414	64718	AA	CC	1940490980
SNP_P1_231259_67081	NW_004516625.1	Scaffold1414	67081	GG	AA	1940490981
SNP_P1_231260_70899	NW_004516625.1	Scaffold1414	70899	CC	TT	1940490982
SNP_P1_231261_70957	NW_004516625.1	Scaffold1414	70957	GG	AA	1940490983
SNP_P1_231262_71090	NW_004516625.1	Scaffold1414	71090	CC	TT	1940490984
SNP_P1_231263_71232	NW_004516625.1	Scaffold1414	71232	AA	TT	1940490985
SNP_P1_231264_71247	NW_004516625.1	Scaffold1414	71247	TT	CC	1940490986
SNP_P1_231265_71248	NW_004516625.1	Scaffold1414	71248	CC	TT	1940490987
SNP_P1_231266_71249	NW_004516625.1	Scaffold1414	71249	TT	GG	1940490988
SNP_P1_231267_71272	NW_004516625.1	Scaffold1414	71272	CC	TT	1940490989
SNP_P1_231268_71273	NW_004516625.1	Scaffold1414	71273	TT	GG	1940490990
SNP_P1_231269_71445	NW_004516625.1	Scaffold1414	71445	AA	GG	1940490991
SNP_P1_231270_71495	NW_004516625.1	Scaffold1414	71495	AA	GG	1940490992
SNP_P1_231272_77130	NW_004516625.1	Scaffold1414	77130	GG	AA	1940490993
SNP_P1_231275_77321	NW_004516625.1	Scaffold1414	77321	TT	GG	1940490994
SNP_P1_231276_82418	NW_004516625.1	Scaffold1414	82418	AA	GG	1940490995
SNP_P1_231277_85060	NW_004516625.1	Scaffold1414	85060	TT	GG	1940490996
SNP_P1_231278_85116	NW_004516625.1	Scaffold1414	85116	GG	AA	1940490997
SNP_P1_231279_85122	NW_004516625.1	Scaffold1414	85122	CC	AA	1940490998
SNP_P1_231280_85128	NW_004516625.1	Scaffold1414	85128	AA	GG	1940490999
SNP_P1_231281_115012	NW_004516625.1	Scaffold1414	115012	TT	CC	1940491000
SNP_P1_231282_115802	NW_004516625.1	Scaffold1414	115802	TT	CC	1940491001
SNP_P1_231283_124674	NW_004516625.1	Scaffold1414	124674	CC	TT	1940491002
SNP_P1_231284_124688	NW_004516625.1	Scaffold1414	124688	TT	AA	1940491003
SNP_P1_231285_124760	NW_004516625.1	Scaffold1414	124760	AA	GG	1940491004
SNP_P1_231286_124829	NW_004516625.1	Scaffold1414	124829	CC	TT	1940491005
SNP_P1_231287_124832	NW_004516625.1	Scaffold1414	124832	AA	TT	1940491006
SNP_P1_231288_124841	NW_004516625.1	Scaffold1414	124841	CC	TT	1940491007
SNP_P1_231289_124963	NW_004516625.1	Scaffold1414	124963	GG	AA	1940491008
SNP_P1_231290_125064	NW_004516625.1	Scaffold1414	125064	GG	AA	1940491009
SNP_P1_231291_125119	NW_004516625.1	Scaffold1414	125119	AA	GG	1940491010
SNP_P1_231292_125123	NW_004516625.1	Scaffold1414	125123	AA	CC	1940491011
SNP_P1_231293_125131	NW_004516625.1	Scaffold1414	125131	AA	GG	1940491012
SNP_P1_231294_125174	NW_004516625.1	Scaffold1414	125174	GG	AA	1940491013
SNP_P1_231295_125196	NW_004516625.1	Scaffold1414	125196	AA	CC	1940491014
SNP_P1_231296_125690	NW_004516625.1	Scaffold1414	125690	CC	TT	1940491015
SNP_P1_231297_133320	NW_004516625.1	Scaffold1414	133320	TT	AA	1940491016

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231299_139653	NW_004516625.1	Scaffold1414	139653	AA	GG	1940491018
SNP_P1_231300_139671	NW_004516625.1	Scaffold1414	139671	GG	TT	1940491019
SNP_P1_231301_139748	NW_004516625.1	Scaffold1414	139748	AA	GG	1940491020
SNP_P1_231302_139751	NW_004516625.1	Scaffold1414	139751	AA	CC	1940491021
SNP_P1_231303_139759	NW_004516625.1	Scaffold1414	139759	AA	TT	1940491022
SNP_P1_231304_139926	NW_004516625.1	Scaffold1414	139926	CC	GG	1940491023
SNP_P1_231305_139944	NW_004516625.1	Scaffold1414	139944	CC	GG	1940491024
SNP_P1_231306_139959	NW_004516625.1	Scaffold1414	139959	TT	CC	1940491025
SNP_P1_231307_139984	NW_004516625.1	Scaffold1414	139984	AA	GG	1940491026
SNP_P1_231308_140010	NW_004516625.1	Scaffold1414	140010	AA	GG	1940491027
SNP_P1_231309_140138	NW_004516625.1	Scaffold1414	140138	AA	GG	1940491028
SNP_P1_231310_140197	NW_004516625.1	Scaffold1414	140197	AA	GG	1940491029
SNP_P1_231311_140199	NW_004516625.1	Scaffold1414	140199	AA	GG	1940491030
SNP_P1_231312_140202	NW_004516625.1	Scaffold1414	140202	AA	CC	1940491031
SNP_P1_231313_145241	NW_004516625.1	Scaffold1414	145241	GG	AA	1940491033
SNP_P1_231314_145242	NW_004516625.1	Scaffold1414	145242	CC	AA	1940491034
SNP_P1_231315_145246	NW_004516625.1	Scaffold1414	145246	AA	TT	1940491035
SNP_P1_231316_145252	NW_004516625.1	Scaffold1414	145252	AA	TT	1940491036
SNP_P1_231317_145550	NW_004516625.1	Scaffold1414	145550	AA	CC	1940491037
SNP_P1_231318_145584	NW_004516625.1	Scaffold1414	145584	GG	AA	1940491038
SNP_P1_231319_145601	NW_004516625.1	Scaffold1414	145601	GG	AA	1940491039
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SNP_P1_231321_145666	NW_004516625.1	Scaffold1414	145666	AA	CC	1940491041
SNP_P1_231322_148472	NW_004516625.1	Scaffold1414	148472	CC	TT	1940491042
SNP_P1_231323_148485	NW_004516625.1	Scaffold1414	148485	CC	TT	1940491043
SNP_P1_231324_148516	NW_004516625.1	Scaffold1414	148516	TT	CC	1940491044
SNP_P1_231325_148517	NW_004516625.1	Scaffold1414	148517	AA	GG	1940491045
SNP_P1_231326_148547	NW_004516625.1	Scaffold1414	148547	TT	GG	1940491046
SNP_P1_231327_148778	NW_004516625.1	Scaffold1414	148778	GG	TT	1940491047
SNP_P1_231328_148787	NW_004516625.1	Scaffold1414	148787	GG	TT	1940491048
SNP_P1_231329_154519	NW_004516625.1	Scaffold1414	154519	AA	CC	1940491049
SNP_P1_231330_154821	NW_004516625.1	Scaffold1414	154821	TT	AA	1940491050
SNP_P1_231331_154900	NW_004516625.1	Scaffold1414	154900	GG	TT	1940491051
SNP_P1_231332_155137	NW_004516625.1	Scaffold1414	155137	GG	AA	1940491052
SNP_P1_231333_155142	NW_004516625.1	Scaffold1414	155142	AA	GG	1940491053
SNP_P1_231334_155143	NW_004516625.1	Scaffold1414	155143	AA	TT	1940491054
SNP_P1_231335_171248	NW_004516625.1	Scaffold1414	171248	AA	GG	1940491055
SNP_P1_231336_186362	NW_004516625.1	Scaffold1414	186362	AA	GG	1940491056
SNP_P1_231337_190257	NW_004516625.1	Scaffold1414	190257	CC	AA	1940491057
SNP_P1_231338_190283	NW_004516625.1	Scaffold1414	190283	AA	CC	1940491058
SNP_P1_231339_190286	NW_004516625.1	Scaffold1414	190286	TT	GG	1940491059

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231341_190327	NW_004516625.1	Scaffold1414	190327	TT	CC	1940491061
SNP_P1_231342_190353	NW_004516625.1	Scaffold1414	190353	AA	GG	1940491062
SNP_P1_231343_190363	NW_004516625.1	Scaffold1414	190363	AA	TT	1940491063
SNP_P1_231344_190375	NW_004516625.1	Scaffold1414	190375	TT	CC	1940491064
SNP_P1_231345_190390	NW_004516625.1	Scaffold1414	190390	CC	TT	1940491065
SNP_P1_231346_190394	NW_004516625.1	Scaffold1414	190394	GG	AA	1940491066
SNP_P1_231347_190433	NW_004516625.1	Scaffold1414	190433	AA	GG	1940491067
SNP_P1_231348_190449	NW_004516625.1	Scaffold1414	190449	CC	TT	1940491068
SNP_P1_231349_190462	NW_004516625.1	Scaffold1414	190462	CC	TT	1940491069
SNP_P1_231350_190469	NW_004516625.1	Scaffold1414	190469	AA	TT	1940491070
SNP_P1_231352_190638	NW_004516625.1	Scaffold1414	190638	TT	CC	1940491071
SNP_P1_231353_190644	NW_004516625.1	Scaffold1414	190644	GG	AA	1940491072
SNP_P1_231354_190698	NW_004516625.1	Scaffold1414	190698	TT	GG	1940491073
SNP_P1_231355_195589	NW_004516625.1	Scaffold1414	195589	AA	CC	1940491074
SNP_P1_231356_196913	NW_004516625.1	Scaffold1414	196913	GG	AA	1940491075
SNP_P1_231357_209095	NW_004516625.1	Scaffold1414	209095	TT	AA	1940491076
SNP_P1_231358_209401	NW_004516625.1	Scaffold1414	209401	TT	AA	1940491077
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SNP_P1_231360_222231	NW_004516625.1	Scaffold1414	222231	GG	CC	1940491079
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SNP_P1_231362_240993	NW_004516625.1	Scaffold1414	240993	CC	AA	1940491081
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SNP_P1_231368_245775	NW_004516625.1	Scaffold1414	245775	AA	CC	1940491087
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SNP_P1_231370_246066	NW_004516625.1	Scaffold1414	246066	GG	AA	1940491089
SNP_P1_231371_246134	NW_004516625.1	Scaffold1414	246134	CC	GG	1940491090
SNP_P1_231372_246148	NW_004516625.1	Scaffold1414	246148	CC	AA	1940491091
SNP_P1_231373_246149	NW_004516625.1	Scaffold1414	246149	TT	CC	1940491092
SNP_P1_231374_256456	NW_004516625.1	Scaffold1414	256456	AA	GG	1940491093
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SNP_P1_231377_8746	NW_004516627.1	Scaffold1417	8746	TT	CC	1940491096
SNP_P1_231378_8747	NW_004516627.1	Scaffold1417	8747	TT	CC	1940491097
SNP_P1_231379_8778	NW_004516627.1	Scaffold1417	8778	TT	GG	1940491098
SNP_P1_231380_8795	NW_004516627.1	Scaffold1417	8795	TT	CC	1940491099
SNP_P1_231381_8941	NW_004516627.1	Scaffold1417	8941	AA	GG	1940491100
SNP_P1_231383_41744	NW_004516627.1	Scaffold1417	41744	TT	AA	1940491101

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231386_44734	NW_004516627.1	Scaffold1417	44734	AA	CC	1940491104
SNP_P1_231387_47226	NW_004516627.1	Scaffold1417	47226	CC	TT	1940491105
SNP_P1_231389_58599	NW_004516627.1	Scaffold1417	58599	AA	GG	1940491106
SNP_P1_231390_58658	NW_004516627.1	Scaffold1417	58658	GG	AA	1940491107
SNP_P1_231391_58661	NW_004516627.1	Scaffold1417	58661	TT	AA	1940491108
SNP_P1_231392_58674	NW_004516627.1	Scaffold1417	58674	AA	TT	1940491109
SNP_P1_231394_78441	NW_004516627.1	Scaffold1417	78441	AA	TT	1940491110
SNP_P1_231395_78447	NW_004516627.1	Scaffold1417	78447	AA	TT	1940491111
SNP_P1_231397_87604	NW_004516627.1	Scaffold1417	87604	CC	TT	1940491112
SNP_P1_231398_87942	NW_004516627.1	Scaffold1417	87942	GG	AA	1940491113
SNP_P1_231400_98185	NW_004516627.1	Scaffold1417	98185	AA	GG	1940491114
SNP_P1_231401_120013	NW_004516627.1	Scaffold1417	120013	CC	TT	1940491115
SNP_P1_231402_120026	NW_004516627.1	Scaffold1417	120026	CC	TT	1940491116
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SNP_P1_231409_124114	NW_004516627.1	Scaffold1417	124114	TT	CC	1940491122
SNP_P1_231410_124117	NW_004516627.1	Scaffold1417	124117	AA	GG	1940491123
SNP_P1_231411_149520	NW_004516627.1	Scaffold1417	149520	AA	CC	1940491124
SNP_P1_231413_150736	NW_004516627.1	Scaffold1417	150736	AA	GG	1940491125
SNP_P1_231414_151209	NW_004516627.1	Scaffold1417	151209	AA	GG	1940491126
SNP_P1_231415_151446	NW_004516627.1	Scaffold1417	151446	AA	CC	1940491127
SNP_P1_231416_151512	NW_004516627.1	Scaffold1417	151512	TT	AA	1940491128
SNP_P1_231417_151812	NW_004516627.1	Scaffold1417	151812	AA	CC	1940491129
SNP_P1_231418_184458	NW_004516627.1	Scaffold1417	184458	TT	CC	1940491130
SNP_P1_231419_186574	NW_004516627.1	Scaffold1417	186574	CC	TT	1940491131
SNP_P1_231420_189666	NW_004516627.1	Scaffold1417	189666	GG	AA	1940491132
SNP_P1_231421_189863	NW_004516627.1	Scaffold1417	189863	GG	AA	1940491133
SNP_P1_231422_191830	NW_004516627.1	Scaffold1417	191830	GG	AA	1940491134
SNP_P1_231424_191849	NW_004516627.1	Scaffold1417	191849	AA	GG	1940491135
SNP_P1_231426_212623	NW_004516627.1	Scaffold1417	212623	CC	TT	1940491136
SNP_P1_231427_234240	NW_004516627.1	Scaffold1417	234240	TT	CC	1940491137
SNP_P1_231428_234621	NW_004516627.1	Scaffold1417	234621	TT	CC	1940491138
SNP_P1_231429_242594	NW_004516627.1	Scaffold1417	242594	AA	TT	1940491139
SNP_P1_231430_245243	NW_004516627.1	Scaffold1417	245243	TT	CC	1940491140
SNP_P1_231431_245426	NW_004516627.1	Scaffold1417	245426	TT	CC	1940491141
SNP_P1_231432_245622	NW_004516627.1	Scaffold1417	245622	TT	CC	1940491142
SNP_P1_231433_246263	NW_004516627.1	Scaffold1417	246263	TT	GG	1940491143

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_231434_249671	NW_004516627.1	Scaffold1417	249671	AA	GG	1940491144
SNP_P1_231435_249942	NW_004516627.1	Scaffold1417	249942	GG	TT	1940491145
SNP_P1_231436_249955	NW_004516627.1	Scaffold1417	249955	TT	CC	1940491146
SNP_P1_231437_250594	NW_004516627.1	Scaffold1417	250594	GG	AA	1940491147
SNP_P1_231438_259924	NW_004516627.1	Scaffold1417	259924	CC	AA	1940491148
SNP_P1_231439_260027	NW_004516627.1	Scaffold1417	260027	GG	TT	1940491149
SNP_P1_231440_260055	NW_004516627.1	Scaffold1417	260055	GG	AA	1940491150
SNP_P1_231441_260064	NW_004516627.1	Scaffold1417	260064	CC	TT	1940491151
SNP_P1_231442_260065	NW_004516627.1	Scaffold1417	260065	TT	CC	1940491152
SNP_P1_231443_260081	NW_004516627.1	Scaffold1417	260081	AA	TT	1940491153
SNP_P1_231444_260139	NW_004516627.1	Scaffold1417	260139	AA	TT	1940491154
SNP_P1_231445_260171	NW_004516627.1	Scaffold1417	260171	AA	GG	1940491155
SNP_P1_231446_260257	NW_004516627.1	Scaffold1417	260257	GG	TT	1940491156
SNP_P1_231447_260275	NW_004516627.1	Scaffold1417	260275	CC	TT	1940491157
SNP_P1_231448_260347	NW_004516627.1	Scaffold1417	260347	GG	AA	1940491158
SNP_P1_231449_260412	NW_004516627.1	Scaffold1417	260412	TT	CC	1940491159
SNP_P1_231450_282665	NW_004516627.1	Scaffold1417	282665	TT	AA	1940491160
SNP_P1_231451_282875	NW_004516627.1	Scaffold1417	282875	CC	TT	1940491161
SNP_P1_231452_282879	NW_004516627.1	Scaffold1417	282879	AA	GG	1940491162
SNP_P1_231453_282942	NW_004516627.1	Scaffold1417	282942	AA	TT	1940491163
SNP_P1_231454_351984	NW_004516627.1	Scaffold1417	351984	TT	CC	1940491164
SNP_P1_231455_352211	NW_004516627.1	Scaffold1417	352211	CC	TT	1940491165
SNP_P1_231456_352223	NW_004516627.1	Scaffold1417	352223	TT	CC	1940491166
SNP_P1_231457_4092	NW_004516628.1	Scaffold1418	4092	GG	TT	1940491167
SNP_P1_231459_6921	NW_004516628.1	Scaffold1418	6921	TT	CC	1940491168
SNP_P1_231460_8542	NW_004516628.1	Scaffold1418	8542	GG	AA	1940491169
SNP_P1_231461_8780	NW_004516628.1	Scaffold1418	8780	TT	CC	1940491170
SNP_P1_231462_9705	NW_004516628.1	Scaffold1418	9705	TT	GG	1940491171
SNP_P1_231463_12152	NW_004516628.1	Scaffold1418	12152	CC	AA	1940491172
SNP_P1_231464_12153	NW_004516628.1	Scaffold1418	12153	AA	TT	1940491173
SNP_P1_231466_13957	NW_004516628.1	Scaffold1418	13957	TT	CC	1940491174
SNP_P1_231467_14333	NW_004516628.1	Scaffold1418	14333	AA	GG	1940491175
SNP_P1_231468_14452	NW_004516628.1	Scaffold1418	14452	TT	CC	1940491176
SNP_P1_231469_16368	NW_004516628.1	Scaffold1418	16368	CC	TT	1940491177
SNP_P1_231470_16474	NW_004516628.1	Scaffold1418	16474	CC	TT	1940491178
SNP_P1_231471_17363	NW_004516628.1	Scaffold1418	17363	TT	CC	1940491179
SNP_P1_231472_17777	NW_004516628.1	Scaffold1418	17777	CC	TT	1940491180
SNP_P1_231475_18338	NW_004516628.1	Scaffold1418	18338	TT	CC	1940491181
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SNP_P1_231477_18543	NW_004516628.1	Scaffold1418	18543	AA	GG	1940491183
SNP_P1_231478_18812	NW_004516628.1	Scaffold1418	18812	CC	AA	1940491184
SNP_P1_231480_18868	NW_004516628.1	Scaffold1418	18868	CC	TT	1940491185

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_231481_20884	NW_004516628.1	Scaffold1418	20884	GG	AA	1940491186
SNP_P1_231483_23064	NW_004516628.1	Scaffold1418	23064	AA	TT	1940491187
SNP_P1_231484_23065	NW_004516628.1	Scaffold1418	23065	TT	CC	1940491189
SNP_P1_231485_23067	NW_004516628.1	Scaffold1418	23067	GG	AA	1940491190
SNP_P1_231486_24706	NW_004516628.1	Scaffold1418	24706	CC	GG	1940491191
SNP_P1_231488_32025	NW_004516628.1	Scaffold1418	32025	AA	TT	1940491192
SNP_P1_231489_32984	NW_004516628.1	Scaffold1418	32984	GG	AA	1940491193
SNP_P1_231490_33084	NW_004516628.1	Scaffold1418	33084	AA	TT	1940491194
SNP_P1_231493_38722	NW_004516628.1	Scaffold1418	38722	CC	TT	1940491195
SNP_P1_231494_39466	NW_004516628.1	Scaffold1418	39466	CC	TT	1940491196
SNP_P1_231498_49139	NW_004516628.1	Scaffold1418	49139	CC	TT	1940491197
SNP_P1_231499_49211	NW_004516628.1	Scaffold1418	49211	GG	AA	1940491198
SNP_P1_231500_49217	NW_004516628.1	Scaffold1418	49217	TT	CC	1940491199
SNP_P1_231501_58791	NW_004516628.1	Scaffold1418	58791	AA	CC	1940491200
SNP_P1_231502_58802	NW_004516628.1	Scaffold1418	58802	CC	TT	1940491201
SNP_P1_231503_58847	NW_004516628.1	Scaffold1418	58847	TT	CC	1940491202
SNP_P1_231504_58858	NW_004516628.1	Scaffold1418	58858	CC	TT	1940491203
SNP_P1_231505_59196	NW_004516628.1	Scaffold1418	59196	TT	AA	1940491204
SNP_P1_231506_59241	NW_004516628.1	Scaffold1418	59241	AA	GG	1940491205
SNP_P1_231507_91671	NW_004516628.1	Scaffold1418	91671	CC	TT	1940491206
SNP_P1_231510_112623	NW_004516628.1	Scaffold1418	112623	GG	CC	1940491207
SNP_P1_231511_196	NW_004516629.1	Scaffold1419	196	TT	CC	1940491208
SNP_P1_231512_381	NW_004516629.1	Scaffold1419	381	GG	AA	1940491209
SNP_P1_231513_510	NW_004516629.1	Scaffold1419	510	AA	TT	1940491210
SNP_P1_231514_545	NW_004516629.1	Scaffold1419	545	CC	AA	1940491211
SNP_P1_231515_737	NW_004516629.1	Scaffold1419	737	TT	GG	1940491212
SNP_P1_231516_964	NW_004516629.1	Scaffold1419	964	GG	AA	1940491213
SNP_P1_231517_1187	NW_004516629.1	Scaffold1419	1187	TT	CC	1940491214
SNP_P1_231518_1539	NW_004516629.1	Scaffold1419	1539	AA	TT	1940491215
SNP_P1_231519_1564	NW_004516629.1	Scaffold1419	1564	TT	CC	1940491216
SNP_P1_231520_1641	NW_004516629.1	Scaffold1419	1641	CC	TT	1940491217
SNP_P1_231521_1989	NW_004516629.1	Scaffold1419	1989	CC	TT	1940491218
SNP_P1_231522_2004	NW_004516629.1	Scaffold1419	2004	TT	CC	1940491219
SNP_P1_231523_9542	NW_004516629.1	Scaffold1419	9542	AA	GG	1940491220
SNP_P1_231524_9565	NW_004516629.1	Scaffold1419	9565	TT	CC	1940491221
SNP_P1_231525_9580	NW_004516629.1	Scaffold1419	9580	AA	GG	1940491222
SNP_P1_231526_9789	NW_004516629.1	Scaffold1419	9789	CC	AA	1940491223
SNP_P1_231527_9791	NW_004516629.1	Scaffold1419	9791	GG	AA	1940491224
SNP_P1_231528_10358	NW_004516629.1	Scaffold1419	10358	TT	AA	1940491225
SNP_P1_231529_10422	NW_004516629.1	Scaffold1419	10422	GG	CC	1940491226
SNP_P1_231530_10553	NW_004516629.1	Scaffold1419	10553	GG	CC	1940491227
SNP_P1_231531_10564	NW_004516629.1	Scaffold1419	10564	GG	AA	1940491228

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_231532_10567	NW_004516629.1	Scaffold1419	10567	TT	CC	1940491229
SNP_P1_231534_10762	NW_004516629.1	Scaffold1419	10762	GG	AA	1940491230
SNP_P1_231535_12672	NW_004516629.1	Scaffold1419	12672	AA	TT	1940491231
SNP_P1_231536_14861	NW_004516629.1	Scaffold1419	14861	CC	TT	1940491232
SNP_P1_231537_14871	NW_004516629.1	Scaffold1419	14871	TT	AA	1940491233
SNP_P1_231538_14875	NW_004516629.1	Scaffold1419	14875	TT	AA	1940491234
SNP_P1_231539_14876	NW_004516629.1	Scaffold1419	14876	AA	TT	1940491235
SNP_P1_231540_14905	NW_004516629.1	Scaffold1419	14905	TT	AA	1940491236
SNP_P1_231541_19016	NW_004516629.1	Scaffold1419	19016	CC	AA	1940491237
SNP_P1_231542_19143	NW_004516629.1	Scaffold1419	19143	CC	TT	1940491238
SNP_P1_231543_19473	NW_004516629.1	Scaffold1419	19473	CC	TT	1940491239
SNP_P1_231544_19690	NW_004516629.1	Scaffold1419	19690	CC	TT	1940491240
SNP_P1_231545_19692	NW_004516629.1	Scaffold1419	19692	TT	GG	1940491241
SNP_P1_231546_19767	NW_004516629.1	Scaffold1419	19767	TT	CC	1940491242
SNP_P1_231547_20019	NW_004516629.1	Scaffold1419	20019	CC	TT	1940491243
SNP_P1_231548_20140	NW_004516629.1	Scaffold1419	20140	AA	CC	1940491244
SNP_P1_231549_20146	NW_004516629.1	Scaffold1419	20146	GG	CC	1940491245
SNP_P1_231550_20148	NW_004516629.1	Scaffold1419	20148	GG	AA	1940491246
SNP_P1_231551_20164	NW_004516629.1	Scaffold1419	20164	CC	TT	1940491247
SNP_P1_231552_20193	NW_004516629.1	Scaffold1419	20193	AA	CC	1940491248
SNP_P1_231553_20761	NW_004516629.1	Scaffold1419	20761	GG	AA	1940491249
SNP_P1_231554_20763	NW_004516629.1	Scaffold1419	20763	GG	CC	1940491250
SNP_P1_231555_20780	NW_004516629.1	Scaffold1419	20780	CC	TT	1940491251
SNP_P1_231556_21207	NW_004516629.1	Scaffold1419	21207	TT	AA	1940491252
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SNP_P1_231558_21645	NW_004516629.1	Scaffold1419	21645	TT	AA	1940491254
SNP_P1_231559_21646	NW_004516629.1	Scaffold1419	21646	CC	AA	1940491255
SNP_P1_231560_21651	NW_004516629.1	Scaffold1419	21651	AA	TT	1940491256
SNP_P1_231561_21664	NW_004516629.1	Scaffold1419	21664	TT	AA	1940491257
SNP_P1_231562_21682	NW_004516629.1	Scaffold1419	21682	AA	GG	1940491258
SNP_P1_231563_21748	NW_004516629.1	Scaffold1419	21748	GG	AA	1940491259
SNP_P1_231564_21758	NW_004516629.1	Scaffold1419	21758	AA	TT	1940491260
SNP_P1_231565_21779	NW_004516629.1	Scaffold1419	21779	GG	AA	1940491261
SNP_P1_231566_22058	NW_004516629.1	Scaffold1419	22058	CC	TT	1940491262
SNP_P1_231567_22070	NW_004516629.1	Scaffold1419	22070	AA	TT	1940491263
SNP_P1_231568_22122	NW_004516629.1	Scaffold1419	22122	AA	TT	1940491264
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SNP_P1_231570_22395	NW_004516629.1	Scaffold1419	22395	GG	TT	1940491266
SNP_P1_231572_22472	NW_004516629.1	Scaffold1419	22472	GG	AA	1940491267
SNP_P1_231573_24845	NW_004516629.1	Scaffold1419	24845	CC	TT	1940491268
SNP_P1_231574_25919	NW_004516629.1	Scaffold1419	25919	GG	TT	1940491269
SNP_P1_231575_26033	NW_004516629.1	Scaffold1419	26033	TT	GG	1940491270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_231576_26316	NW_004516629.1	Scaffold1419	26316	CC	TT	1940491271
SNP_P1_231577_26324	NW_004516629.1	Scaffold1419	26324	TT	CC	1940491272
SNP_P1_231578_26632	NW_004516629.1	Scaffold1419	26632	TT	GG	1940491273
SNP_P1_231579_26736	NW_004516629.1	Scaffold1419	26736	CC	TT	1940491274
SNP_P1_231580_26753	NW_004516629.1	Scaffold1419	26753	TT	AA	1940491275
SNP_P1_231581_26783	NW_004516629.1	Scaffold1419	26783	GG	AA	1940491276
SNP_P1_231582_26847	NW_004516629.1	Scaffold1419	26847	CC	TT	1940491277
SNP_P1_231583_26879	NW_004516629.1	Scaffold1419	26879	TT	CC	1940491278
SNP_P1_231584_26895	NW_004516629.1	Scaffold1419	26895	AA	CC	1940491279
SNP_P1_231585_26897	NW_004516629.1	Scaffold1419	26897	AA	GG	1940491280
SNP_P1_231586_27067	NW_004516629.1	Scaffold1419	27067	TT	CC	1940491281
SNP_P1_231587_27160	NW_004516629.1	Scaffold1419	27160	CC	TT	1940491282
SNP_P1_231588_27282	NW_004516629.1	Scaffold1419	27282	CC	TT	1940491283
SNP_P1_231589_30673	NW_004516629.1	Scaffold1419	30673	GG	AA	1940491284
SNP_P1_231590_30675	NW_004516629.1	Scaffold1419	30675	AA	GG	1940491285
SNP_P1_231593_30887	NW_004516629.1	Scaffold1419	30887	CC	TT	1940491286
SNP_P1_231594_30889	NW_004516629.1	Scaffold1419	30889	TT	GG	1940491287
SNP_P1_231595_31152	NW_004516629.1	Scaffold1419	31152	CC	AA	1940491288
SNP_P1_231596_31169	NW_004516629.1	Scaffold1419	31169	GG	AA	1940491289
SNP_P1_231599_49571	NW_004516629.1	Scaffold1419	49571	AA	TT	1940491290
SNP_P1_231600_49576	NW_004516629.1	Scaffold1419	49576	AA	TT	1940491291
SNP_P1_231601_49692	NW_004516629.1	Scaffold1419	49692	AA	TT	1940491292
SNP_P1_231603_50898	NW_004516629.1	Scaffold1419	50898	TT	AA	1940491293
SNP_P1_231604_51069	NW_004516629.1	Scaffold1419	51069	CC	TT	1940491294
SNP_P1_231605_57438	NW_004516629.1	Scaffold1419	57438	AA	GG	1940491295
SNP_P1_231606_57444	NW_004516629.1	Scaffold1419	57444	AA	GG	1940491296
SNP_P1_231607_57469	NW_004516629.1	Scaffold1419	57469	GG	TT	1940491297
SNP_P1_231608_57483	NW_004516629.1	Scaffold1419	57483	AA	GG	1940491298
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SNP_P1_231610_57593	NW_004516629.1	Scaffold1419	57593	TT	GG	1940491300
SNP_P1_231611_57601	NW_004516629.1	Scaffold1419	57601	TT	GG	1940491301
SNP_P1_231612_57783	NW_004516629.1	Scaffold1419	57783	TT	GG	1940491302
SNP_P1_231613_64881	NW_004516629.1	Scaffold1419	64881	AA	CC	1940491303
SNP_P1_231615_1638	NW_004516630.1	Scaffold1420	1638	GG	AA	1940491304
SNP_P1_231616_1750	NW_004516630.1	Scaffold1420	1750	AA	CC	1940491305
SNP_P1_231617_1753	NW_004516630.1	Scaffold1420	1753	AA	CC	1940491306
SNP_P1_231618_1782	NW_004516630.1	Scaffold1420	1782	CC	TT	1940491307
SNP_P1_231619_1817	NW_004516630.1	Scaffold1420	1817	TT	CC	1940491308
SNP_P1_231620_1835	NW_004516630.1	Scaffold1420	1835	TT	CC	1940491309
SNP_P1_231621_1867	NW_004516630.1	Scaffold1420	1867	AA	CC	1940491310
SNP_P1_231622_1924	NW_004516630.1	Scaffold1420	1924	CC	GG	1940491311
SNP_P1_231623_1928	NW_004516630.1	Scaffold1420	1928	TT	AA	1940491312

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231625_2105	NW_004516630.1	Scaffold1420	2105	TT	CC	1940491314
SNP_P1_231626_2195	NW_004516630.1	Scaffold1420	2195	AA	GG	1940491315
SNP_P1_231627_2229	NW_004516630.1	Scaffold1420	2229	TT	GG	1940491316
SNP_P1_231628_2274	NW_004516630.1	Scaffold1420	2274	GG	AA	1940491317
SNP_P1_231629_4848	NW_004516630.1	Scaffold1420	4848	CC	TT	1940491318
SNP_P1_231630_4855	NW_004516630.1	Scaffold1420	4855	TT	CC	1940491319
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SNP_P1_231633_5121	NW_004516630.1	Scaffold1420	5121	CC	TT	1940491322
SNP_P1_231634_5146	NW_004516630.1	Scaffold1420	5146	AA	TT	1940491323
SNP_P1_231635_5355	NW_004516630.1	Scaffold1420	5355	CC	AA	1940491324
SNP_P1_231636_5381	NW_004516630.1	Scaffold1420	5381	AA	GG	1940491325
SNP_P1_231637_5384	NW_004516630.1	Scaffold1420	5384	CC	AA	1940491326
SNP_P1_231638_5408	NW_004516630.1	Scaffold1420	5408	CC	TT	1940491327
SNP_P1_231639_5409	NW_004516630.1	Scaffold1420	5409	AA	CC	1940491328
SNP_P1_231640_5458	NW_004516630.1	Scaffold1420	5458	GG	AA	1940491329
SNP_P1_231641_9446	NW_004516630.1	Scaffold1420	9446	TT	GG	1940491330
SNP_P1_231642_9554	NW_004516630.1	Scaffold1420	9554	TT	CC	1940491331
SNP_P1_231643_11591	NW_004516630.1	Scaffold1420	11591	GG	AA	1940491332
SNP_P1_231644_11592	NW_004516630.1	Scaffold1420	11592	AA	CC	1940491333
SNP_P1_231645_11693	NW_004516630.1	Scaffold1420	11693	CC	TT	1940491334
SNP_P1_231646_15131	NW_004516630.1	Scaffold1420	15131	CC	TT	1940491335
SNP_P1_231647_15166	NW_004516630.1	Scaffold1420	15166	TT	AA	1940491336
SNP_P1_231648_15167	NW_004516630.1	Scaffold1420	15167	TT	CC	1940491337
SNP_P1_231649_20784	NW_004516630.1	Scaffold1420	20784	GG	AA	1940491338
SNP_P1_231651_21139	NW_004516630.1	Scaffold1420	21139	CC	GG	1940491339
SNP_P1_231652_21143	NW_004516630.1	Scaffold1420	21143	GG	CC	1940491340
SNP_P1_231653_21199	NW_004516630.1	Scaffold1420	21199	CC	GG	1940491341
SNP_P1_231654_21397	NW_004516630.1	Scaffold1420	21397	AA	CC	1940491342
SNP_P1_231655_21449	NW_004516630.1	Scaffold1420	21449	CC	TT	1940491343
SNP_P1_231656_21459	NW_004516630.1	Scaffold1420	21459	AA	GG	1940491344
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SNP_P1_231659_1951	NW_004516631.1	Scaffold1422	1951	GG	AA	1940491347
SNP_P1_231660_2250	NW_004516631.1	Scaffold1422	2250	CC	TT	1940491348
SNP_P1_231661_2267	NW_004516631.1	Scaffold1422	2267	AA	TT	1940491349
SNP_P1_231662_64	NW_004516633.1	Scaffold1424	64	CC	GG	1940491350
SNP_P1_231663_91	NW_004516633.1	Scaffold1424	91	AA	TT	1940491351
SNP_P1_231664_496	NW_004516633.1	Scaffold1424	496	GG	TT	1940491352
SNP_P1_231665_3283	NW_004516633.1	Scaffold1424	3283	TT	AA	1940491353
SNP_P1_231668_12057	NW_004516633.1	Scaffold1424	12057	TT	CC	1940491354
SNP_P1_231669_14980	NW_004516633.1	Scaffold1424	14980	CC	TT	1940491355

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231672_15348	NW_004516633.1	Scaffold1424	15348	CC	TT	1940491357
SNP_P1_231673_15371	NW_004516633.1	Scaffold1424	15371	TT	GG	1940491358
SNP_P1_231674_16332	NW_004516633.1	Scaffold1424	16332	AA	GG	1940491359
SNP_P1_231675_43778	NW_004516633.1	Scaffold1424	43778	TT	AA	1940491360
SNP_P1_231676_43780	NW_004516633.1	Scaffold1424	43780	CC	TT	1940491361
SNP_P1_231677_43807	NW_004516633.1	Scaffold1424	43807	TT	CC	1940491362
SNP_P1_231678_43828	NW_004516633.1	Scaffold1424	43828	TT	AA	1940491363
SNP_P1_231679_43842	NW_004516633.1	Scaffold1424	43842	TT	CC	1940491364
SNP_P1_231680_43858	NW_004516633.1	Scaffold1424	43858	AA	GG	1940491365
SNP_P1_231681_43881	NW_004516633.1	Scaffold1424	43881	CC	GG	1940491366
SNP_P1_231682_43913	NW_004516633.1	Scaffold1424	43913	GG	CC	1940491367
SNP_P1_231683_43941	NW_004516633.1	Scaffold1424	43941	TT	AA	1940491368
SNP_P1_231684_44027	NW_004516633.1	Scaffold1424	44027	GG	CC	1940491369
SNP_P1_231685_44093	NW_004516633.1	Scaffold1424	44093	GG	TT	1940491370
SNP_P1_231686_44104	NW_004516633.1	Scaffold1424	44104	CC	AA	1940491371
SNP_P1_231687_44143	NW_004516633.1	Scaffold1424	44143	GG	CC	1940491372
SNP_P1_231688_44144	NW_004516633.1	Scaffold1424	44144	GG	AA	1940491373
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SNP_P1_231690_44169	NW_004516633.1	Scaffold1424	44169	GG	TT	1940491375
SNP_P1_231691_44177	NW_004516633.1	Scaffold1424	44177	TT	CC	1940491376
SNP_P1_231692_44184	NW_004516633.1	Scaffold1424	44184	AA	CC	1940491377
SNP_P1_231693_48247	NW_004516633.1	Scaffold1424	48247	CC	AA	1940491378
SNP_P1_231694_48252	NW_004516633.1	Scaffold1424	48252	GG	AA	1940491379
SNP_P1_231695_48274	NW_004516633.1	Scaffold1424	48274	GG	TT	1940491380
SNP_P1_231696_48278	NW_004516633.1	Scaffold1424	48278	TT	AA	1940491381
SNP_P1_231697_48315	NW_004516633.1	Scaffold1424	48315	AA	CC	1940491382
SNP_P1_231698_48327	NW_004516633.1	Scaffold1424	48327	GG	TT	1940491383
SNP_P1_231699_48360	NW_004516633.1	Scaffold1424	48360	TT	GG	1940491384
SNP_P1_231700_48362	NW_004516633.1	Scaffold1424	48362	TT	GG	1940491385
SNP_P1_231701_48400	NW_004516633.1	Scaffold1424	48400	AA	CC	1940491386
SNP_P1_231702_48407	NW_004516633.1	Scaffold1424	48407	AA	GG	1940491387
SNP_P1_231703_48468	NW_004516633.1	Scaffold1424	48468	GG	AA	1940491388
SNP_P1_231704_48493	NW_004516633.1	Scaffold1424	48493	GG	TT	1940491389
SNP_P1_231706_48711	NW_004516633.1	Scaffold1424	48711	TT	GG	1940491390
SNP_P1_231707_48741	NW_004516633.1	Scaffold1424	48741	GG	AA	1940491391
SNP_P1_231708_52302	NW_004516633.1	Scaffold1424	52302	GG	CC	1940491392
SNP_P1_231710_1832	NW_004516634.1	Scaffold1425	1832	TT	GG	1940491393
SNP_P1_231711_1872	NW_004516634.1	Scaffold1425	1872	GG	TT	1940491394
SNP_P1_231712_4176	NW_004516634.1	Scaffold1425	4176	TT	CC	1940491395
SNP_P1_231713_4226	NW_004516634.1	Scaffold1425	4226	TT	CC	1940491396
SNP_P1_231714_4237	NW_004516634.1	Scaffold1425	4237	TT	CC	1940491397

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231716_4380	NW_004516634.1	Scaffold1425	4380	TT	AA	1940491399
SNP_P1_231717_4381	NW_004516634.1	Scaffold1425	4381	AA	GG	1940491400
SNP_P1_231718_4412	NW_004516634.1	Scaffold1425	4412	AA	CC	1940491401
SNP_P1_231719_4447	NW_004516634.1	Scaffold1425	4447	TT	CC	1940491402
SNP_P1_231720_4525	NW_004516634.1	Scaffold1425	4525	GG	AA	1940491403
SNP_P1_231721_4683	NW_004516634.1	Scaffold1425	4683	TT	AA	1940491404
SNP_P1_231722_4776	NW_004516634.1	Scaffold1425	4776	AA	CC	1940491405
SNP_P1_231723_4804	NW_004516634.1	Scaffold1425	4804	AA	GG	1940491406
SNP_P1_231724_4806	NW_004516634.1	Scaffold1425	4806	AA	CC	1940491407
SNP_P1_231725_4814	NW_004516634.1	Scaffold1425	4814	TT	GG	1940491408
SNP_P1_231726_4852	NW_004516634.1	Scaffold1425	4852	TT	AA	1940491409
SNP_P1_231727_4853	NW_004516634.1	Scaffold1425	4853	AA	CC	1940491410
SNP_P1_231728_4856	NW_004516634.1	Scaffold1425	4856	AA	GG	1940491411
SNP_P1_231729_4874	NW_004516634.1	Scaffold1425	4874	AA	TT	1940491412
SNP_P1_231730_4888	NW_004516634.1	Scaffold1425	4888	TT	AA	1940491413
SNP_P1_231731_4889	NW_004516634.1	Scaffold1425	4889	GG	AA	1940491414
SNP_P1_231732_4911	NW_004516634.1	Scaffold1425	4911	CC	AA	1940491415
SNP_P1_231733_452	NW_004516635.1	Scaffold1426	452	TT	CC	1940491416
SNP_P1_231734_5255	NW_004516635.1	Scaffold1426	5255	AA	GG	1940491417
SNP_P1_231735_5336	NW_004516635.1	Scaffold1426	5336	TT	GG	1940491418
SNP_P1_231737_5570	NW_004516635.1	Scaffold1426	5570	AA	GG	1940491419
SNP_P1_231738_5631	NW_004516635.1	Scaffold1426	5631	TT	AA	1940491420
SNP_P1_231739_5786	NW_004516635.1	Scaffold1426	5786	CC	TT	1940491421
SNP_P1_231741_5971	NW_004516635.1	Scaffold1426	5971	TT	GG	1940491422
SNP_P1_231742_6191	NW_004516635.1	Scaffold1426	6191	TT	GG	1940491423
SNP_P1_231743_6209	NW_004516635.1	Scaffold1426	6209	TT	CC	1940491424
SNP_P1_231744_6220	NW_004516635.1	Scaffold1426	6220	AA	GG	1940491425
SNP_P1_231745_6332	NW_004516635.1	Scaffold1426	6332	AA	TT	1940491426
SNP_P1_231747_6855	NW_004516635.1	Scaffold1426	6855	CC	TT	1940491427
SNP_P1_231748_7007	NW_004516635.1	Scaffold1426	7007	CC	AA	1940491428
SNP_P1_231749_7023	NW_004516635.1	Scaffold1426	7023	TT	CC	1940491429
SNP_P1_231750_7044	NW_004516635.1	Scaffold1426	7044	AA	GG	1940491430
SNP_P1_231751_7073	NW_004516635.1	Scaffold1426	7073	AA	TT	1940491431
SNP_P1_231753_7241	NW_004516635.1	Scaffold1426	7241	AA	GG	1940491432
SNP_P1_231754_7380	NW_004516635.1	Scaffold1426	7380	TT	CC	1940491433
SNP_P1_231755_7412	NW_004516635.1	Scaffold1426	7412	CC	GG	1940491434
SNP_P1_231756_7439	NW_004516635.1	Scaffold1426	7439	CC	TT	1940491435
SNP_P1_231757_7529	NW_004516635.1	Scaffold1426	7529	CC	TT	1940491436
SNP_P1_231758_11640	NW_004516635.1	Scaffold1426	11640	AA	TT	1940491437
SNP_P1_231759_779	NW_004516636.1	Scaffold1429	779	GG	AA	1940491438
SNP_P1_231760_787	NW_004516636.1	Scaffold1429	787	CC	GG	1940491439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231764_1560	NW_004516637.1	Scaffold1430	1560	AA	GG	1940491441
SNP_P1_231765_3366	NW_004516637.1	Scaffold1430	3366	GG	TT	1940491442
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SNP_P1_231768_4425	NW_004516637.1	Scaffold1430	4425	AA	CC	1940491445
SNP_P1_231769_4457	NW_004516637.1	Scaffold1430	4457	TT	CC	1940491446
SNP_P1_231770_4482	NW_004516637.1	Scaffold1430	4482	CC	TT	1940491447
SNP_P1_231771_4491	NW_004516637.1	Scaffold1430	4491	GG	AA	1940491448
SNP_P1_231772_4830	NW_004516637.1	Scaffold1430	4830	GG	AA	1940491449
SNP_P1_231773_4841	NW_004516637.1	Scaffold1430	4841	TT	AA	1940491450
SNP_P1_231774_4846	NW_004516637.1	Scaffold1430	4846	GG	AA	1940491451
SNP_P1_231775_4868	NW_004516637.1	Scaffold1430	4868	TT	GG	1940491452
SNP_P1_231776_5241	NW_004516637.1	Scaffold1430	5241	AA	GG	1940491453
SNP_P1_231777_5376	NW_004516637.1	Scaffold1430	5376	TT	CC	1940491454
SNP_P1_231778_5443	NW_004516637.1	Scaffold1430	5443	TT	CC	1940491455
SNP_P1_231779_5689	NW_004516637.1	Scaffold1430	5689	AA	GG	1940491456
SNP_P1_231780_5760	NW_004516637.1	Scaffold1430	5760	AA	TT	1940491457
SNP_P1_231781_6254	NW_004516637.1	Scaffold1430	6254	AA	TT	1940491458
SNP_P1_231782_6832	NW_004516637.1	Scaffold1430	6832	GG	AA	1940491459
SNP_P1_231783_8687	NW_004516637.1	Scaffold1430	8687	AA	GG	1940491460
SNP_P1_231784_1569	NW_004516638.1	Scaffold1432	1569	TT	CC	1940491461
SNP_P1_231785_1966	NW_004516638.1	Scaffold1432	1966	GG	AA	1940491462
SNP_P1_231788_7934	NW_004516638.1	Scaffold1432	7934	CC	TT	1940491463
SNP_P1_231789_8233	NW_004516638.1	Scaffold1432	8233	GG	TT	1940491464
SNP_P1_231790_10935	NW_004516638.1	Scaffold1432	10935	TT	CC	1940491465
SNP_P1_231791_30016	NW_004516638.1	Scaffold1432	30016	TT	CC	1940491466
SNP_P1_231793_30044	NW_004516638.1	Scaffold1432	30044	CC	TT	1940491467
SNP_P1_231794_30045	NW_004516638.1	Scaffold1432	30045	AA	GG	1940491468
SNP_P1_231795_30047	NW_004516638.1	Scaffold1432	30047	TT	CC	1940491469
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SNP_P1_231797_30309	NW_004516638.1	Scaffold1432	30309	GG	TT	1940491471
SNP_P1_231798_31759	NW_004516638.1	Scaffold1432	31759	AA	GG	1940491472
SNP_P1_231799_34298	NW_004516638.1	Scaffold1432	34298	TT	CC	1940491474
SNP_P1_231800_38624	NW_004516638.1	Scaffold1432	38624	TT	CC	1940491475
SNP_P1_231801_53272	NW_004516638.1	Scaffold1432	53272	TT	CC	1940491476
SNP_P1_231802_53497	NW_004516638.1	Scaffold1432	53497	AA	GG	1940491477
SNP_P1_231803_53502	NW_004516638.1	Scaffold1432	53502	GG	CC	1940491478
SNP_P1_231804_53511	NW_004516638.1	Scaffold1432	53511	CC	TT	1940491479
SNP_P1_231805_58321	NW_004516638.1	Scaffold1432	58321	CC	GG	1940491480
SNP_P1_231806_59852	NW_004516638.1	Scaffold1432	59852	CC	AA	1940491481
SNP_P1_231809_71356	NW_004516638.1	Scaffold1432	71356	TT	CC	1940491482

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231811_71555	NW_004516638.1	Scaffold1432	71555	TT	CC	1940491484
SNP_P1_231812_74257	NW_004516638.1	Scaffold1432	74257	CC	TT	1940491485
SNP_P1_231813_74303	NW_004516638.1	Scaffold1432	74303	GG	AA	1940491486
SNP_P1_231814_79701	NW_004516638.1	Scaffold1432	79701	GG	AA	1940491487
SNP_P1_231815_79988	NW_004516638.1	Scaffold1432	79988	TT	CC	1940491488
SNP_P1_231816_80022	NW_004516638.1	Scaffold1432	80022	CC	GG	1940491489
SNP_P1_231817_80033	NW_004516638.1	Scaffold1432	80033	TT	CC	1940491490
SNP_P1_231818_80134	NW_004516638.1	Scaffold1432	80134	TT	CC	1940491491
SNP_P1_231820_80235	NW_004516638.1	Scaffold1432	80235	TT	AA	1940491492
SNP_P1_231821_80283	NW_004516638.1	Scaffold1432	80283	TT	AA	1940491493
SNP_P1_231822_80327	NW_004516638.1	Scaffold1432	80327	CC	TT	1940491494
SNP_P1_231823_80344	NW_004516638.1	Scaffold1432	80344	GG	AA	1940491495
SNP_P1_231824_80402	NW_004516638.1	Scaffold1432	80402	CC	AA	1940491496
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SNP_P1_231828_80595	NW_004516638.1	Scaffold1432	80595	AA	CC	1940491498
SNP_P1_231829_80627	NW_004516638.1	Scaffold1432	80627	AA	GG	1940491499
SNP_P1_231830_80633	NW_004516638.1	Scaffold1432	80633	CC	TT	1940491500
SNP_P1_231831_80688	NW_004516638.1	Scaffold1432	80688	TT	AA	1940491501
SNP_P1_231832_80792	NW_004516638.1	Scaffold1432	80792	CC	GG	1940491502
SNP_P1_231833_80884	NW_004516638.1	Scaffold1432	80884	TT	CC	1940491503
SNP_P1_231834_80924	NW_004516638.1	Scaffold1432	80924	AA	TT	1940491504
SNP_P1_231835_80940	NW_004516638.1	Scaffold1432	80940	AA	GG	1940491505
SNP_P1_231836_449	NW_004516639.1	Scaffold1433	449	AA	CC	1940491506
SNP_P1_231837_479	NW_004516639.1	Scaffold1433	479	CC	TT	1940491507
SNP_P1_231838_579	NW_004516639.1	Scaffold1433	579	TT	AA	1940491508
SNP_P1_231839_759	NW_004516639.1	Scaffold1433	759	GG	TT	1940491509
SNP_P1_231840_898	NW_004516639.1	Scaffold1433	898	CC	TT	1940491510
SNP_P1_231841_3436	NW_004516639.1	Scaffold1433	3436	GG	AA	1940491511
SNP_P1_231842_3740	NW_004516639.1	Scaffold1433	3740	TT	AA	1940491512
SNP_P1_231843_4210	NW_004516639.1	Scaffold1433	4210	CC	TT	1940491513
SNP_P1_231844_4871	NW_004516639.1	Scaffold1433	4871	TT	CC	1940491514
SNP_P1_231845_4936	NW_004516639.1	Scaffold1433	4936	AA	GG	1940491515
SNP_P1_231846_4943	NW_004516639.1	Scaffold1433	4943	TT	GG	1940491516
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SNP_P1_231848_5909	NW_004516639.1	Scaffold1433	5909	GG	AA	1940491518
SNP_P1_231849_8312	NW_004516639.1	Scaffold1433	8312	TT	GG	1940491519
SNP_P1_231850_8331	NW_004516639.1	Scaffold1433	8331	AA	TT	1940491520
SNP_P1_231851_8358	NW_004516639.1	Scaffold1433	8358	AA	GG	1940491521
SNP_P1_231852_8663	NW_004516639.1	Scaffold1433	8663	TT	CC	1940491522
SNP_P1_231853_9052	NW_004516639.1	Scaffold1433	9052	CC	AA	1940491523
SNP_P1_231854_9094	NW_004516639.1	Scaffold1433	9094	AA	CC	1940491524

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_231856_9327	NW_004516639.1	Scaffold1433	9327	AA	GG	1940491526
SNP_P1_231857_10597	NW_004516639.1	Scaffold1433	10597	CC	TT	1940491527
SNP_P1_231858_10893	NW_004516639.1	Scaffold1433	10893	AA	TT	1940491528
SNP_P1_231859_12799	NW_004516639.1	Scaffold1433	12799	GG	TT	1940491529
SNP_P1_231860_15512	NW_004516639.1	Scaffold1433	15512	TT	GG	1940491530
SNP_P1_231861_15716	NW_004516639.1	Scaffold1433	15716	GG	AA	1940491531
SNP_P1_231862_15737	NW_004516639.1	Scaffold1433	15737	GG	AA	1940491532
SNP_P1_231863_15750	NW_004516639.1	Scaffold1433	15750	AA	GG	1940491533
SNP_P1_231864_15787	NW_004516639.1	Scaffold1433	15787	CC	AA	1940491534
SNP_P1_231865_15798	NW_004516639.1	Scaffold1433	15798	GG	AA	1940491535
SNP_P1_231866_17076	NW_004516639.1	Scaffold1433	17076	GG	CC	1940491536
SNP_P1_231867_17136	NW_004516639.1	Scaffold1433	17136	AA	GG	1940491537
SNP_P1_231868_17153	NW_004516639.1	Scaffold1433	17153	AA	GG	1940491538
SNP_P1_231869_17338	NW_004516639.1	Scaffold1433	17338	TT	CC	1940491539
SNP_P1_231870_17339	NW_004516639.1	Scaffold1433	17339	TT	CC	1940491540
SNP_P1_231871_18727	NW_004516639.1	Scaffold1433	18727	AA	GG	1940491541
SNP_P1_231872_18927	NW_004516639.1	Scaffold1433	18927	AA	CC	1940491542
SNP_P1_231873_18945	NW_004516639.1	Scaffold1433	18945	TT	CC	1940491543
SNP_P1_231874_19088	NW_004516639.1	Scaffold1433	19088	TT	GG	1940491544
SNP_P1_231875_19090	NW_004516639.1	Scaffold1433	19090	TT	CC	1940491545
SNP_P1_231876_19554	NW_004516639.1	Scaffold1433	19554	CC	TT	1940491546
SNP_P1_231877_20798	NW_004516639.1	Scaffold1433	20798	AA	CC	1940491547
SNP_P1_231878_20871	NW_004516639.1	Scaffold1433	20871	TT	CC	1940491548
SNP_P1_231879_21053	NW_004516639.1	Scaffold1433	21053	TT	GG	1940491549
SNP_P1_231880_21067	NW_004516639.1	Scaffold1433	21067	AA	TT	1940491550
SNP_P1_231881_21076	NW_004516639.1	Scaffold1433	21076	AA	GG	1940491551
SNP_P1_231882_21080	NW_004516639.1	Scaffold1433	21080	GG	AA	1940491552
SNP_P1_231883_21101	NW_004516639.1	Scaffold1433	21101	GG	AA	1940491553
SNP_P1_231884_21121	NW_004516639.1	Scaffold1433	21121	AA	CC	1940491554
SNP_P1_231886_21161	NW_004516639.1	Scaffold1433	21161	CC	TT	1940491555
SNP_P1_231887_21186	NW_004516639.1	Scaffold1433	21186	CC	TT	1940491556
SNP_P1_231888_21239	NW_004516639.1	Scaffold1433	21239	CC	TT	1940491557
SNP_P1_231889_21276	NW_004516639.1	Scaffold1433	21276	TT	GG	1940491558
SNP_P1_231890_21280	NW_004516639.1	Scaffold1433	21280	AA	TT	1940491559
SNP_P1_231891_21298	NW_004516639.1	Scaffold1433	21298	GG	AA	1940491560
SNP_P1_231892_21306	NW_004516639.1	Scaffold1433	21306	AA	GG	1940491561
SNP_P1_231893_21401	NW_004516639.1	Scaffold1433	21401	TT	CC	1940491562
SNP_P1_231894_21435	NW_004516639.1	Scaffold1433	21435	TT	AA	1940491563
SNP_P1_231895_21534	NW_004516639.1	Scaffold1433	21534	TT	GG	1940491564
SNP_P1_231896_21662	NW_004516639.1	Scaffold1433	21662	AA	TT	1940491565
SNP_P1_231897_21696	NW_004516639.1	Scaffold1433	21696	GG	AA	1940491566

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_231898_21735	NW_004516639.1	Scaffold1433	21735	TT	GG	1940491567
SNP_P1_231900_21803	NW_004516639.1	Scaffold1433	21803	GG	TT	1940491568
SNP_P1_231901_21828	NW_004516639.1	Scaffold1433	21828	GG	AA	1940491569
SNP_P1_231902_21886	NW_004516639.1	Scaffold1433	21886	CC	TT	1940491570
SNP_P1_231904_22036	NW_004516639.1	Scaffold1433	22036	CC	GG	1940491571
SNP_P1_231905_22054	NW_004516639.1	Scaffold1433	22054	CC	AA	1940491572
SNP_P1_231906_22055	NW_004516639.1	Scaffold1433	22055	TT	CC	1940491573
SNP_P1_231907_22135	NW_004516639.1	Scaffold1433	22135	GG	CC	1940491574
SNP_P1_231908_22157	NW_004516639.1	Scaffold1433	22157	CC	AA	1940491575
SNP_P1_231909_22214	NW_004516639.1	Scaffold1433	22214	TT	CC	1940491576
SNP_P1_231910_22239	NW_004516639.1	Scaffold1433	22239	GG	AA	1940491577
SNP_P1_231911_22286	NW_004516639.1	Scaffold1433	22286	GG	AA	1940491578
SNP_P1_231912_22328	NW_004516639.1	Scaffold1433	22328	TT	GG	1940491579
SNP_P1_231913_22331	NW_004516639.1	Scaffold1433	22331	GG	TT	1940491580
SNP_P1_231914_22393	NW_004516639.1	Scaffold1433	22393	GG	CC	1940491581
SNP_P1_231915_22413	NW_004516639.1	Scaffold1433	22413	TT	GG	1940491582
SNP_P1_231916_22457	NW_004516639.1	Scaffold1433	22457	AA	GG	1940491583
SNP_P1_231917_22489	NW_004516639.1	Scaffold1433	22489	CC	TT	1940491584
SNP_P1_231918_22493	NW_004516639.1	Scaffold1433	22493	CC	TT	1940491585
SNP_P1_231919_22527	NW_004516639.1	Scaffold1433	22527	CC	TT	1940491586
SNP_P1_231920_22543	NW_004516639.1	Scaffold1433	22543	AA	TT	1940491587
SNP_P1_231921_22584	NW_004516639.1	Scaffold1433	22584	TT	AA	1940491588
SNP_P1_231922_22638	NW_004516639.1	Scaffold1433	22638	CC	GG	1940491589
SNP_P1_231923_22669	NW_004516639.1	Scaffold1433	22669	TT	CC	1940491590
SNP_P1_231924_22692	NW_004516639.1	Scaffold1433	22692	AA	GG	1940491591
SNP_P1_231925_22721	NW_004516639.1	Scaffold1433	22721	GG	CC	1940491592
SNP_P1_231926_22818	NW_004516639.1	Scaffold1433	22818	CC	AA	1940491593
SNP_P1_231927_22870	NW_004516639.1	Scaffold1433	22870	TT	GG	1940491594
SNP_P1_231928_23040	NW_004516639.1	Scaffold1433	23040	AA	TT	1940491595
SNP_P1_231929_23096	NW_004516639.1	Scaffold1433	23096	TT	AA	1940491596
SNP_P1_231930_23103	NW_004516639.1	Scaffold1433	23103	TT	GG	1940491597
SNP_P1_231931_23157	NW_004516639.1	Scaffold1433	23157	CC	AA	1940491598
SNP_P1_231932_24339	NW_004516639.1	Scaffold1433	24339	GG	CC	1940491599
SNP_P1_231933_24689	NW_004516639.1	Scaffold1433	24689	CC	TT	1940491600
SNP_P1_231934_24700	NW_004516639.1	Scaffold1433	24700	AA	TT	1940491601
SNP_P1_231935_24737	NW_004516639.1	Scaffold1433	24737	AA	GG	1940491602
SNP_P1_231936_24859	NW_004516639.1	Scaffold1433	24859	GG	AA	1940491603
SNP_P1_231937_24964	NW_004516639.1	Scaffold1433	24964	AA	GG	1940491604
SNP_P1_231938_24979	NW_004516639.1	Scaffold1433	24979	AA	GG	1940491605
SNP_P1_231939_25009	NW_004516639.1	Scaffold1433	25009	GG	AA	1940491606
SNP_P1_231940_25049	NW_004516639.1	Scaffold1433	25049	CC	AA	1940491607
SNP_P1_231941_25051	NW_004516639.1	Scaffold1433	25051	AA	GG	1940491608

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_231942_25075	NW_004516639.1	Scaffold1433	25075	AA	CC	1940491609
SNP_P1_231943_25104	NW_004516639.1	Scaffold1433	25104	TT	CC	1940491610
SNP_P1_231944_25106	NW_004516639.1	Scaffold1433	25106	GG	TT	1940491611
SNP_P1_231945_25108	NW_004516639.1	Scaffold1433	25108	CC	TT	1940491612
SNP_P1_231946_25134	NW_004516639.1	Scaffold1433	25134	CC	TT	1940491613
SNP_P1_231947_25424	NW_004516639.1	Scaffold1433	25424	GG	CC	1940491614
SNP_P1_231948_25594	NW_004516639.1	Scaffold1433	25594	TT	CC	1940491615
SNP_P1_231949_25655	NW_004516639.1	Scaffold1433	25655	GG	AA	1940491616
SNP_P1_231950_25889	NW_004516639.1	Scaffold1433	25889	GG	CC	1940491617
SNP_P1_231951_25902	NW_004516639.1	Scaffold1433	25902	GG	AA	1940491618
SNP_P1_231952_26323	NW_004516639.1	Scaffold1433	26323	CC	AA	1940491619
SNP_P1_231953_30564	NW_004516639.1	Scaffold1433	30564	CC	GG	1940491620
SNP_P1_231954_30889	NW_004516639.1	Scaffold1433	30889	CC	TT	1940491621
SNP_P1_231955_30920	NW_004516639.1	Scaffold1433	30920	GG	AA	1940491622
SNP_P1_231956_30936	NW_004516639.1	Scaffold1433	30936	AA	GG	1940491623
SNP_P1_231957_31816	NW_004516639.1	Scaffold1433	31816	GG	AA	1940491624
SNP_P1_231958_32045	NW_004516639.1	Scaffold1433	32045	AA	CC	1940491625
SNP_P1_231959_32167	NW_004516639.1	Scaffold1433	32167	CC	AA	1940491626
SNP_P1_231960_33296	NW_004516639.1	Scaffold1433	33296	TT	CC	1940491628
SNP_P1_231961_33555	NW_004516639.1	Scaffold1433	33555	AA	TT	1940491629
SNP_P1_231962_33556	NW_004516639.1	Scaffold1433	33556	GG	AA	1940491630
SNP_P1_231965_38856	NW_004516639.1	Scaffold1433	38856	AA	CC	1940491631
SNP_P1_231966_38887	NW_004516639.1	Scaffold1433	38887	TT	CC	1940491632
SNP_P1_231967_39179	NW_004516639.1	Scaffold1433	39179	GG	AA	1940491633
SNP_P1_231968_722	NW_004516640.1	Scaffold1436	722	GG	AA	1940491634
SNP_P1_231970_1305	NW_004516640.1	Scaffold1436	1305	GG	AA	1940491635
SNP_P1_231972_64	NW_004516641.1	Scaffold1437	64	CC	TT	1940491636
SNP_P1_231973_73	NW_004516641.1	Scaffold1437	73	GG	AA	1940491637
SNP_P1_231974_85	NW_004516641.1	Scaffold1437	85	AA	GG	1940491638
SNP_P1_231975_91	NW_004516641.1	Scaffold1437	91	GG	AA	1940491639
SNP_P1_231976_98	NW_004516641.1	Scaffold1437	98	TT	CC	1940491640
SNP_P1_231977_109	NW_004516641.1	Scaffold1437	109	TT	CC	1940491641
SNP_P1_231978_135	NW_004516641.1	Scaffold1437	135	CC	TT	1940491642
SNP_P1_231979_11472	NW_004516641.1	Scaffold1437	11472	TT	GG	1940491643
SNP_P1_231980_11474	NW_004516641.1	Scaffold1437	11474	CC	TT	1940491644
SNP_P1_231981_11628	NW_004516641.1	Scaffold1437	11628	GG	AA	1940491645
SNP_P1_231982_11651	NW_004516641.1	Scaffold1437	11651	CC	GG	1940491646
SNP_P1_231983_11735	NW_004516641.1	Scaffold1437	11735	GG	TT	1940491647
SNP_P1_231984_11773	NW_004516641.1	Scaffold1437	11773	GG	AA	1940491648
SNP_P1_231985_54963	NW_004516642.1	Scaffold1439	54963	AA	TT	1940491649
SNP_P1_231988_114304	NW_004516642.1	Scaffold1439	114304	AA	CC	1940491650
SNP_P1_231989_122316	NW_004516642.1	Scaffold1439	122316	TT	CC	1940491651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_231990_157771	NW_004516642.1	Scaffold1439	157771	AA	TT	1940491652
SNP_P1_231992_199000	NW_004516642.1	Scaffold1439	199000	AA	GG	1940491653
SNP_P1_231993_199541	NW_004516642.1	Scaffold1439	199541	TT	AA	1940491654
SNP_P1_231994_199598	NW_004516642.1	Scaffold1439	199598	GG	TT	1940491655
SNP_P1_231995_199599	NW_004516642.1	Scaffold1439	199599	CC	GG	1940491656
SNP_P1_231996_206122	NW_004516642.1	Scaffold1439	206122	CC	TT	1940491657
SNP_P1_231998_212442	NW_004516642.1	Scaffold1439	212442	AA	GG	1940491658
SNP_P1_231999_228853	NW_004516642.1	Scaffold1439	228853	CC	AA	1940491659
SNP_P1_232000_245642	NW_004516642.1	Scaffold1439	245642	AA	CC	1940491660
SNP_P1_232001_248531	NW_004516642.1	Scaffold1439	248531	TT	GG	1940491661
SNP_P1_232002_248568	NW_004516642.1	Scaffold1439	248568	GG	TT	1940491662
SNP_P1_232003_248575	NW_004516642.1	Scaffold1439	248575	CC	GG	1940491663
SNP_P1_232004_248847	NW_004516642.1	Scaffold1439	248847	CC	AA	1940491664
SNP_P1_232005_268715	NW_004516642.1	Scaffold1439	268715	GG	AA	1940491665
SNP_P1_232006_268725	NW_004516642.1	Scaffold1439	268725	AA	CC	1940491666
SNP_P1_232007_270779	NW_004516642.1	Scaffold1439	270779	GG	AA	1940491667
SNP_P1_232008_270782	NW_004516642.1	Scaffold1439	270782	CC	TT	1940491668
SNP_P1_232010_272774	NW_004516642.1	Scaffold1439	272774	GG	AA	1940491669
SNP_P1_232011_274440	NW_004516642.1	Scaffold1439	274440	CC	TT	1940491670
SNP_P1_232012_274521	NW_004516642.1	Scaffold1439	274521	TT	CC	1940491671
SNP_P1_232013_281509	NW_004516642.1	Scaffold1439	281509	TT	GG	1940491672
SNP_P1_232014_281511	NW_004516642.1	Scaffold1439	281511	CC	TT	1940491673
SNP_P1_232015_287045	NW_004516642.1	Scaffold1439	287045	CC	TT	1940491674
SNP_P1_232016_1262	NW_004516643.1	Scaffold1440	1262	AA	GG	1940491675
SNP_P1_232017_1470	NW_004516643.1	Scaffold1440	1470	CC	TT	1940491676
SNP_P1_232018_2645	NW_004516643.1	Scaffold1440	2645	CC	AA	1940491677
SNP_P1_232019_2728	NW_004516643.1	Scaffold1440	2728	GG	TT	1940491678
SNP_P1_232020_2729	NW_004516643.1	Scaffold1440	2729	AA	GG	1940491679
SNP_P1_232021_2730	NW_004516643.1	Scaffold1440	2730	TT	AA	1940491680
SNP_P1_232022_2782	NW_004516643.1	Scaffold1440	2782	CC	TT	1940491681
SNP_P1_232023_2790	NW_004516643.1	Scaffold1440	2790	TT	CC	1940491682
SNP_P1_232024_2816	NW_004516643.1	Scaffold1440	2816	AA	CC	1940491683
SNP_P1_232025_2843	NW_004516643.1	Scaffold1440	2843	GG	TT	1940491684
SNP_P1_232026_2861	NW_004516643.1	Scaffold1440	2861	CC	TT	1940491685
SNP_P1_232027_2871	NW_004516643.1	Scaffold1440	2871	CC	GG	1940491686
SNP_P1_232028_2881	NW_004516643.1	Scaffold1440	2881	GG	AA	1940491687
SNP_P1_232029_3029	NW_004516643.1	Scaffold1440	3029	AA	GG	1940491688
SNP_P1_232030_3088	NW_004516643.1	Scaffold1440	3088	TT	CC	1940491689
SNP_P1_232031_3091	NW_004516643.1	Scaffold1440	3091	AA	TT	1940491690
SNP_P1_232032_3099	NW_004516643.1	Scaffold1440	3099	TT	GG	1940491691
SNP_P1_232033_3121	NW_004516643.1	Scaffold1440	3121	TT	CC	1940491692
SNP_P1_232034_3155	NW_004516643.1	Scaffold1440	3155	AA	GG	1940491693

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_232035_3197	NW_004516643.1	Scaffold1440	3197	AA	CC	1940491694
SNP_P1_232036_33207	NW_004516643.1	Scaffold1440	33207	CC	AA	1940491695
SNP_P1_232037_49207	NW_004516643.1	Scaffold1440	49207	CC	TT	1940491696
SNP_P1_232038_49456	NW_004516643.1	Scaffold1440	49456	GG	AA	1940491697
SNP_P1_232039_49478	NW_004516643.1	Scaffold1440	49478	CC	TT	1940491698
SNP_P1_232040_49577	NW_004516643.1	Scaffold1440	49577	GG	CC	1940491699
SNP_P1_232042_1291	NW_004516646.1	Scaffold1445	1291	AA	TT	1940491700
SNP_P1_232043_1407	NW_004516646.1	Scaffold1445	1407	TT	AA	1940491701
SNP_P1_232044_1682	NW_004516646.1	Scaffold1445	1682	GG	AA	1940491702
SNP_P1_232045_2933	NW_004516646.1	Scaffold1445	2933	CC	TT	1940491703
SNP_P1_232046_4123	NW_004516646.1	Scaffold1445	4123	AA	GG	1940491704
SNP_P1_232047_4277	NW_004516646.1	Scaffold1445	4277	TT	CC	1940491705
SNP_P1_232048_4278	NW_004516646.1	Scaffold1445	4278	TT	CC	1940491706
SNP_P1_232049_4312	NW_004516646.1	Scaffold1445	4312	CC	TT	1940491707
SNP_P1_232050_4399	NW_004516646.1	Scaffold1445	4399	AA	CC	1940491708
SNP_P1_232051_4405	NW_004516646.1	Scaffold1445	4405	AA	CC	1940491709
SNP_P1_232052_4556	NW_004516646.1	Scaffold1445	4556	AA	CC	1940491710
SNP_P1_232053_4589	NW_004516646.1	Scaffold1445	4589	AA	TT	1940491711
SNP_P1_232054_4766	NW_004516646.1	Scaffold1445	4766	GG	AA	1940491712
SNP_P1_232055_11301	NW_004516647.1	Scaffold1446	11301	GG	AA	1940491713
SNP_P1_232056_13210	NW_004516647.1	Scaffold1446	13210	GG	AA	1940491714
SNP_P1_232057_13567	NW_004516647.1	Scaffold1446	13567	TT	CC	1940491715
SNP_P1_232058_13578	NW_004516647.1	Scaffold1446	13578	TT	CC	1940491716
SNP_P1_232059_13683	NW_004516647.1	Scaffold1446	13683	AA	GG	1940491717
SNP_P1_232061_23262	NW_004516647.1	Scaffold1446	23262	GG	TT	1940491718
SNP_P1_232062_8575	NW_004516648.1	Scaffold1447	8575	CC	TT	1940491719
SNP_P1_232063_8576	NW_004516648.1	Scaffold1447	8576	TT	AA	1940491720
SNP_P1_232064_8859	NW_004516648.1	Scaffold1447	8859	TT	AA	1940491721
SNP_P1_232065_8905	NW_004516648.1	Scaffold1447	8905	GG	CC	1940491722
SNP_P1_232066_10279	NW_004516648.1	Scaffold1447	10279	TT	CC	1940491723
SNP_P1_232067_11576	NW_004516648.1	Scaffold1447	11576	GG	CC	1940491724
SNP_P1_232068_12274	NW_004516648.1	Scaffold1447	12274	AA	GG	1940491725
SNP_P1_232069_12296	NW_004516648.1	Scaffold1447	12296	AA	GG	1940491726
SNP_P1_232070_14400	NW_004516648.1	Scaffold1447	14400	AA	GG	1940491727
SNP_P1_232071_15167	NW_004516648.1	Scaffold1447	15167	GG	CC	1940491728
SNP_P1_232072_18932	NW_004516648.1	Scaffold1447	18932	TT	GG	1940491729
SNP_P1_232073_18945	NW_004516648.1	Scaffold1447	18945	TT	CC	1940491730
SNP_P1_232074_20033	NW_004516648.1	Scaffold1447	20033	CC	TT	1940491731
SNP_P1_232075_20053	NW_004516648.1	Scaffold1447	20053	AA	GG	1940491732
SNP_P1_232076_20083	NW_004516648.1	Scaffold1447	20083	CC	TT	1940491733
SNP_P1_232077_20090	NW_004516648.1	Scaffold1447	20090	AA	GG	1940491734
SNP_P1_232078_20108	NW_004516648.1	Scaffold1447	20108	TT	CC	1940491735

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_232080_20161	NW_004516648.1	Scaffold1447	20161	AA	GG	1940491737
SNP_P1_232081_20163	NW_004516648.1	Scaffold1447	20163	TT	GG	1940491738
SNP_P1_232082_20164	NW_004516648.1	Scaffold1447	20164	TT	AA	1940491739
SNP_P1_232083_20291	NW_004516648.1	Scaffold1447	20291	AA	GG	1940491740
SNP_P1_232084_20363	NW_004516648.1	Scaffold1447	20363	CC	TT	1940491741
SNP_P1_232085_20366	NW_004516648.1	Scaffold1447	20366	TT	CC	1940491742
SNP_P1_232086_20418	NW_004516648.1	Scaffold1447	20418	AA	GG	1940491743
SNP_P1_232087_20423	NW_004516648.1	Scaffold1447	20423	CC	TT	1940491744
SNP_P1_232088_20438	NW_004516648.1	Scaffold1447	20438	TT	CC	1940491745
SNP_P1_232089_20439	NW_004516648.1	Scaffold1447	20439	CC	TT	1940491746
SNP_P1_232090_20450	NW_004516648.1	Scaffold1447	20450	GG	TT	1940491747
SNP_P1_232091_20453	NW_004516648.1	Scaffold1447	20453	AA	TT	1940491748
SNP_P1_232092_20501	NW_004516648.1	Scaffold1447	20501	TT	CC	1940491749
SNP_P1_232093_20506	NW_004516648.1	Scaffold1447	20506	TT	CC	1940491750
SNP_P1_232094_21271	NW_004516648.1	Scaffold1447	21271	TT	CC	1940491751
SNP_P1_232095_21579	NW_004516648.1	Scaffold1447	21579	TT	CC	1940491752
SNP_P1_232096_21615	NW_004516648.1	Scaffold1447	21615	GG	TT	1940491753
SNP_P1_232097_21660	NW_004516648.1	Scaffold1447	21660	TT	AA	1940491754
SNP_P1_232098_21684	NW_004516648.1	Scaffold1447	21684	TT	CC	1940491755
SNP_P1_232100_23088	NW_004516648.1	Scaffold1447	23088	TT	CC	1940491756
SNP_P1_232101_23239	NW_004516648.1	Scaffold1447	23239	AA	TT	1940491757
SNP_P1_232102_24328	NW_004516648.1	Scaffold1447	24328	TT	GG	1940491758
SNP_P1_232103_24370	NW_004516648.1	Scaffold1447	24370	CC	TT	1940491759
SNP_P1_232104_24371	NW_004516648.1	Scaffold1447	24371	AA	GG	1940491760
SNP_P1_232105_24635	NW_004516648.1	Scaffold1447	24635	TT	CC	1940491761
SNP_P1_232106_24663	NW_004516648.1	Scaffold1447	24663	AA	CC	1940491762
SNP_P1_232108_24684	NW_004516648.1	Scaffold1447	24684	GG	AA	1940491763
SNP_P1_232109_24780	NW_004516648.1	Scaffold1447	24780	GG	AA	1940491764
SNP_P1_232110_25507	NW_004516648.1	Scaffold1447	25507	AA	GG	1940491765
SNP_P1_232111_26216	NW_004516648.1	Scaffold1447	26216	TT	CC	1940491766
SNP_P1_232112_26280	NW_004516648.1	Scaffold1447	26280	AA	TT	1940491767
SNP_P1_232113_26295	NW_004516648.1	Scaffold1447	26295	GG	AA	1940491768
SNP_P1_232114_26338	NW_004516648.1	Scaffold1447	26338	CC	TT	1940491769
SNP_P1_232115_26340	NW_004516648.1	Scaffold1447	26340	AA	GG	1940491770
SNP_P1_232116_26518	NW_004516648.1	Scaffold1447	26518	GG	TT	1940491771
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SNP_P1_232118_26623	NW_004516648.1	Scaffold1447	26623	CC	TT	1940491773
SNP_P1_232119_26640	NW_004516648.1	Scaffold1447	26640	GG	AA	1940491774
SNP_P1_232120_26687	NW_004516648.1	Scaffold1447	26687	CC	GG	1940491775
SNP_P1_232121_26692	NW_004516648.1	Scaffold1447	26692	CC	GG	1940491776
SNP_P1_232122_26695	NW_004516648.1	Scaffold1447	26695	CC	TT	1940491777

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_232124_30861	NW_004516648.1	Scaffold1447	30861	GG	CC	1940491779
SNP_P1_232125_30872	NW_004516648.1	Scaffold1447	30872	TT	AA	1940491780
SNP_P1_232126_30879	NW_004516648.1	Scaffold1447	30879	CC	TT	1940491782
SNP_P1_232127_30937	NW_004516648.1	Scaffold1447	30937	GG	TT	1940491783
SNP_P1_232128_30964	NW_004516648.1	Scaffold1447	30964	CC	TT	1940491784
SNP_P1_232130_33759	NW_004516648.1	Scaffold1447	33759	AA	GG	1940491785
SNP_P1_232131_33824	NW_004516648.1	Scaffold1447	33824	AA	CC	1940491786
SNP_P1_232132_34045	NW_004516648.1	Scaffold1447	34045	AA	CC	1940491787
SNP_P1_232133_34065	NW_004516648.1	Scaffold1447	34065	AA	TT	1940491788
SNP_P1_232134_39404	NW_004516648.1	Scaffold1447	39404	GG	TT	1940491789
SNP_P1_232135_39782	NW_004516648.1	Scaffold1447	39782	GG	TT	1940491790
SNP_P1_232136_43349	NW_004516648.1	Scaffold1447	43349	CC	TT	1940491791
SNP_P1_232137_517	NW_004516649.1	Scaffold1448	517	TT	GG	1940491792
SNP_P1_232138_585	NW_004516649.1	Scaffold1448	585	TT	GG	1940491793
SNP_P1_232139_650	NW_004516649.1	Scaffold1448	650	GG	AA	1940491794
SNP_P1_232140_861	NW_004516649.1	Scaffold1448	861	GG	AA	1940491795
SNP_P1_232141_5389	NW_004516649.1	Scaffold1448	5389	AA	GG	1940491796
SNP_P1_232142_5509	NW_004516649.1	Scaffold1448	5509	GG	CC	1940491797
SNP_P1_232143_5793	NW_004516649.1	Scaffold1448	5793	CC	AA	1940491798
SNP_P1_232146_12043	NW_004516649.1	Scaffold1448	12043	TT	GG	1940491799
SNP_P1_232148_19049	NW_004516649.1	Scaffold1448	19049	TT	CC	1940491800
SNP_P1_232150_20476	NW_004516649.1	Scaffold1448	20476	GG	AA	1940491801
SNP_P1_232151_20646	NW_004516649.1	Scaffold1448	20646	GG	AA	1940491802
SNP_P1_232152_20685	NW_004516649.1	Scaffold1448	20685	TT	CC	1940491803
SNP_P1_232153_20698	NW_004516649.1	Scaffold1448	20698	CC	AA	1940491804
SNP_P1_232154_20706	NW_004516649.1	Scaffold1448	20706	AA	GG	1940491805
SNP_P1_232155_20749	NW_004516649.1	Scaffold1448	20749	TT	CC	1940491806
SNP_P1_232156_20751	NW_004516649.1	Scaffold1448	20751	TT	GG	1940491807
SNP_P1_232157_20990	NW_004516649.1	Scaffold1448	20990	AA	GG	1940491808
SNP_P1_232158_21025	NW_004516649.1	Scaffold1448	21025	AA	CC	1940491809
SNP_P1_232159_21034	NW_004516649.1	Scaffold1448	21034	GG	TT	1940491810
SNP_P1_232160_21039	NW_004516649.1	Scaffold1448	21039	AA	GG	1940491811
SNP_P1_232161_21444	NW_004516649.1	Scaffold1448	21444	GG	AA	1940491812
SNP_P1_232162_22417	NW_004516649.1	Scaffold1448	22417	TT	GG	1940491813
SNP_P1_232163_30131	NW_004516649.1	Scaffold1448	30131	CC	AA	1940491814
SNP_P1_232164_32378	NW_004516649.1	Scaffold1448	32378	CC	GG	1940491815
SNP_P1_232165_32834	NW_004516649.1	Scaffold1448	32834	AA	TT	1940491816
SNP_P1_232167_35565	NW_004516649.1	Scaffold1448	35565	GG	AA	1940491817
SNP_P1_232168_35619	NW_004516649.1	Scaffold1448	35619	AA	TT	1940491818
SNP_P1_232169_35645	NW_004516649.1	Scaffold1448	35645	TT	CC	1940491819
SNP_P1_232170_35651	NW_004516649.1	Scaffold1448	35651	GG	AA	1940491820

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_232174_38631	NW_004516649.1	Scaffold1448	38631	CC	TT	1940491822
SNP_P1_232175_38951	NW_004516649.1	Scaffold1448	38951	GG	AA	1940491823
SNP_P1_232176_40798	NW_004516649.1	Scaffold1448	40798	CC	AA	1940491824
SNP_P1_232177_41006	NW_004516649.1	Scaffold1448	41006	TT	CC	1940491825
SNP_P1_232178_42593	NW_004516649.1	Scaffold1448	42593	AA	TT	1940491826
SNP_P1_232179_45465	NW_004516649.1	Scaffold1448	45465	CC	TT	1940491827
SNP_P1_232180_45802	NW_004516649.1	Scaffold1448	45802	TT	GG	1940491828
SNP_P1_232181_45900	NW_004516649.1	Scaffold1448	45900	AA	TT	1940491829
SNP_P1_232182_52265	NW_004516649.1	Scaffold1448	52265	CC	GG	1940491830
SNP_P1_232183_52267	NW_004516649.1	Scaffold1448	52267	AA	GG	1940491831
SNP_P1_232184_53306	NW_004516649.1	Scaffold1448	53306	TT	CC	1940491832
SNP_P1_232185_67438	NW_004516649.1	Scaffold1448	67438	AA	TT	1940491833
SNP_P1_232186_70808	NW_004516649.1	Scaffold1448	70808	GG	AA	1940491834
SNP_P1_232187_71763	NW_004516649.1	Scaffold1448	71763	TT	AA	1940491835
SNP_P1_232188_76809	NW_004516649.1	Scaffold1448	76809	AA	GG	1940491836
SNP_P1_232189_77734	NW_004516649.1	Scaffold1448	77734	AA	GG	1940491837
SNP_P1_232190_79659	NW_004516649.1	Scaffold1448	79659	TT	CC	1940491838
SNP_P1_232191_79663	NW_004516649.1	Scaffold1448	79663	CC	AA	1940491839
SNP_P1_232192_80510	NW_004516649.1	Scaffold1448	80510	AA	GG	1940491840
SNP_P1_232193_80686	NW_004516649.1	Scaffold1448	80686	CC	TT	1940491841
SNP_P1_232194_88085	NW_004516649.1	Scaffold1448	88085	TT	CC	1940491842
SNP_P1_232195_90092	NW_004516649.1	Scaffold1448	90092	GG	CC	1940491843
SNP_P1_232196_90100	NW_004516649.1	Scaffold1448	90100	AA	GG	1940491844
SNP_P1_232197_90120	NW_004516649.1	Scaffold1448	90120	TT	CC	1940491845
SNP_P1_232198_90179	NW_004516649.1	Scaffold1448	90179	GG	AA	1940491846
SNP_P1_232199_90180	NW_004516649.1	Scaffold1448	90180	TT	AA	1940491847
SNP_P1_232200_90197	NW_004516649.1	Scaffold1448	90197	AA	GG	1940491848
SNP_P1_232201_90207	NW_004516649.1	Scaffold1448	90207	AA	GG	1940491849
SNP_P1_232202_90232	NW_004516649.1	Scaffold1448	90232	TT	GG	1940491850
SNP_P1_232203_90322	NW_004516649.1	Scaffold1448	90322	GG	AA	1940491851
SNP_P1_232204_90393	NW_004516649.1	Scaffold1448	90393	TT	CC	1940491852
SNP_P1_232205_90420	NW_004516649.1	Scaffold1448	90420	GG	AA	1940491853
SNP_P1_232206_90467	NW_004516649.1	Scaffold1448	90467	GG	CC	1940491854
SNP_P1_232207_90509	NW_004516649.1	Scaffold1448	90509	AA	GG	1940491855
SNP_P1_232208_91514	NW_004516649.1	Scaffold1448	91514	TT	AA	1940491856
SNP_P1_232209_92400	NW_004516649.1	Scaffold1448	92400	TT	AA	1940491857
SNP_P1_232210_99081	NW_004516649.1	Scaffold1448	99081	GG	AA	1940491858
SNP_P1_232212_99412	NW_004516649.1	Scaffold1448	99412	TT	GG	1940491859
SNP_P1_232214_102110	NW_004516649.1	Scaffold1448	102110	TT	AA	1940491860
SNP_P1_232215_103393	NW_004516649.1	Scaffold1448	103393	CC	TT	1940491861
SNP_P1_232216_104241	NW_004516649.1	Scaffold1448	104241	AA	GG	1940491862

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_232218_107659	NW_004516649.1	Scaffold1448	107659	GG	CC	1940491864
SNP_P1_232219_107666	NW_004516649.1	Scaffold1448	107666	CC	TT	1940491865
SNP_P1_232221_107727	NW_004516649.1	Scaffold1448	107727	GG	AA	1940491866
SNP_P1_232222_109285	NW_004516649.1	Scaffold1448	109285	GG	AA	1940491867
SNP_P1_232223_109340	NW_004516649.1	Scaffold1448	109340	GG	AA	1940491868
SNP_P1_232224_109419	NW_004516649.1	Scaffold1448	109419	AA	GG	1940491869
SNP_P1_232225_113511	NW_004516649.1	Scaffold1448	113511	AA	GG	1940491870
SNP_P1_232226_115220	NW_004516649.1	Scaffold1448	115220	GG	AA	1940491871
SNP_P1_232228_118106	NW_004516649.1	Scaffold1448	118106	AA	TT	1940491872
SNP_P1_232229_118528	NW_004516649.1	Scaffold1448	118528	CC	TT	1940491873
SNP_P1_232230_119438	NW_004516649.1	Scaffold1448	119438	AA	GG	1940491874
SNP_P1_232232_132646	NW_004516649.1	Scaffold1448	132646	AA	CC	1940491875
SNP_P1_232234_140082	NW_004516649.1	Scaffold1448	140082	TT	CC	1940491876
SNP_P1_232235_140796	NW_004516649.1	Scaffold1448	140796	GG	AA	1940491877
SNP_P1_232236_140905	NW_004516649.1	Scaffold1448	140905	GG	TT	1940491878
SNP_P1_232237_141117	NW_004516649.1	Scaffold1448	141117	AA	GG	1940491879
SNP_P1_232238_141192	NW_004516649.1	Scaffold1448	141192	GG	AA	1940491880
SNP_P1_232239_142306	NW_004516649.1	Scaffold1448	142306	TT	CC	1940491881
SNP_P1_232240_144081	NW_004516649.1	Scaffold1448	144081	AA	GG	1940491882
SNP_P1_232242_145413	NW_004516649.1	Scaffold1448	145413	TT	CC	1940491883
SNP_P1_232243_147784	NW_004516649.1	Scaffold1448	147784	TT	CC	1940491884
SNP_P1_232244_148115	NW_004516649.1	Scaffold1448	148115	AA	GG	1940491885
SNP_P1_232245_150322	NW_004516649.1	Scaffold1448	150322	GG	AA	1940491886
SNP_P1_232246_150687	NW_004516649.1	Scaffold1448	150687	GG	AA	1940491887
SNP_P1_232247_3377	NW_004516650.1	Scaffold1449	3377	CC	AA	1940491888
SNP_P1_232248_3494	NW_004516650.1	Scaffold1449	3494	AA	GG	1940491889
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SNP_P1_232250_3537	NW_004516650.1	Scaffold1449	3537	CC	GG	1940491891
SNP_P1_232251_3538	NW_004516650.1	Scaffold1449	3538	GG	TT	1940491892
SNP_P1_232252_3558	NW_004516650.1	Scaffold1449	3558	AA	TT	1940491893
SNP_P1_232253_3559	NW_004516650.1	Scaffold1449	3559	TT	GG	1940491894
SNP_P1_232254_3572	NW_004516650.1	Scaffold1449	3572	CC	TT	1940491895
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SNP_P1_232256_3894	NW_004516650.1	Scaffold1449	3894	CC	AA	1940491897
SNP_P1_232258_6752	NW_004516650.1	Scaffold1449	6752	TT	CC	1940491898
SNP_P1_232259_6765	NW_004516650.1	Scaffold1449	6765	CC	GG	1940491899
SNP_P1_232260_6844	NW_004516650.1	Scaffold1449	6844	AA	GG	1940491900
SNP_P1_232261_7149	NW_004516650.1	Scaffold1449	7149	AA	GG	1940491901
SNP_P1_232262_7172	NW_004516650.1	Scaffold1449	7172	TT	CC	1940491902
SNP_P1_232263_7252	NW_004516650.1	Scaffold1449	7252	TT	CC	1940491903
SNP_P1_232264_7581	NW_004516650.1	Scaffold1449	7581	AA	CC	1940491904

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SNP_P1_232266_7668	NW_004516650.1	Scaffold1449	7668	GG	TT	1940491906
SNP_P1_232267_10864	NW_004516650.1	Scaffold1449	10864	TT	CC	1940491907
SNP_P1_232268_11001	NW_004516650.1	Scaffold1449	11001	GG	TT	1940491908
SNP_P1_232269_11307	NW_004516650.1	Scaffold1449	11307	TT	CC	1940491909
SNP_P1_232270_13482	NW_004516650.1	Scaffold1449	13482	AA	GG	1940491910
SNP_P1_232271_19493	NW_004516650.1	Scaffold1449	19493	TT	CC	1940491911
SNP_P1_232272_19528	NW_004516650.1	Scaffold1449	19528	GG	TT	1940491912
SNP_P1_232273_19574	NW_004516650.1	Scaffold1449	19574	AA	GG	1940491913
SNP_P1_232275_33152	NW_004516650.1	Scaffold1449	33152	GG	AA	1940491914
SNP_P1_232276_47982	NW_004516650.1	Scaffold1449	47982	TT	CC	1940491915
SNP_P1_232277_4938	NW_004516651.1	Scaffold1450	4938	GG	AA	1940491916
SNP_P1_232278_5430	NW_004516651.1	Scaffold1450	5430	CC	TT	1940491917
SNP_P1_232279_17379	NW_004516651.1	Scaffold1450	17379	TT	AA	1940491918
SNP_P1_232280_27290	NW_004516651.1	Scaffold1450	27290	CC	TT	1940491919
SNP_P1_232282_44412	NW_004516651.1	Scaffold1450	44412	CC	TT	1940491920
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SNP_P1_232284_71529	NW_004516651.1	Scaffold1450	71529	GG	AA	1940491922
SNP_P1_232285_71870	NW_004516651.1	Scaffold1450	71870	GG	AA	1940491923
SNP_P1_232286_71924	NW_004516651.1	Scaffold1450	71924	TT	GG	1940491924
SNP_P1_232287_71932	NW_004516651.1	Scaffold1450	71932	TT	CC	1940491925
SNP_P1_232288_880	NW_004516653.1	Scaffold1452	880	AA	TT	1940491926
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SNP_P1_232291_7609	NW_004516653.1	Scaffold1452	7609	TT	AA	1940491928
SNP_P1_232292_8057	NW_004516653.1	Scaffold1452	8057	GG	AA	1940491929
SNP_P1_232295_29775	NW_004516653.1	Scaffold1452	29775	CC	TT	1940491930
SNP_P1_232296_29811	NW_004516653.1	Scaffold1452	29811	TT	AA	1940491931
SNP_P1_232297_29820	NW_004516653.1	Scaffold1452	29820	TT	AA	1940491932
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SNP_P1_232299_29871	NW_004516653.1	Scaffold1452	29871	AA	TT	1940491934
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SNP_P1_232301_30034	NW_004516653.1	Scaffold1452	30034	TT	GG	1940491936
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SNP_P1_232303_30196	NW_004516653.1	Scaffold1452	30196	AA	CC	1940491938
SNP_P1_232304_30205	NW_004516653.1	Scaffold1452	30205	CC	TT	1940491940
SNP_P1_232306_30221	NW_004516653.1	Scaffold1452	30221	CC	AA	1940491941
SNP_P1_232307_30289	NW_004516653.1	Scaffold1452	30289	GG	TT	1940491942
SNP_P1_232308_30293	NW_004516653.1	Scaffold1452	30293	GG	TT	1940491943
SNP_P1_232309_30349	NW_004516653.1	Scaffold1452	30349	CC	GG	1940491944
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SNP_P1_232311_30390	NW_004516653.1	Scaffold1452	30390	AA	TT	1940491946
SNP_P1_232312_30414	NW_004516653.1	Scaffold1452	30414	CC	AA	1940491947

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_232313_30422	NW_004516653.1	Scaffold1452	30422	TT	GG	1940491948
SNP_P1_232314_30481	NW_004516653.1	Scaffold1452	30481	GG	AA	1940491949
SNP_P1_232315_30487	NW_004516653.1	Scaffold1452	30487	GG	TT	1940491950
SNP_P1_232316_30490	NW_004516653.1	Scaffold1452	30490	AA	CC	1940491951
SNP_P1_232318_34434	NW_004516653.1	Scaffold1452	34434	GG	AA	1940491952
SNP_P1_232319_35351	NW_004516653.1	Scaffold1452	35351	CC	AA	1940491953
SNP_P1_232321_158	NW_004516654.1	Scaffold1453	158	GG	TT	1940491954
SNP_P1_232322_414	NW_004516654.1	Scaffold1453	414	GG	CC	1940491955
SNP_P1_232323_519	NW_004516654.1	Scaffold1453	519	AA	GG	1940491956
SNP_P1_232324_574	NW_004516654.1	Scaffold1453	574	AA	GG	1940491957
SNP_P1_232325_792	NW_004516654.1	Scaffold1453	792	AA	GG	1940491958
SNP_P1_232326_801	NW_004516654.1	Scaffold1453	801	CC	AA	1940491959
SNP_P1_232327_802	NW_004516654.1	Scaffold1453	802	CC	AA	1940491960
SNP_P1_232328_816	NW_004516654.1	Scaffold1453	816	CC	TT	1940491961
SNP_P1_232329_820	NW_004516654.1	Scaffold1453	820	AA	GG	1940491962
SNP_P1_232330_827	NW_004516654.1	Scaffold1453	827	AA	GG	1940491963
SNP_P1_232331_10786	NW_004516654.1	Scaffold1453	10786	CC	TT	1940491964
SNP_P1_232332_15345	NW_004516654.1	Scaffold1453	15345	GG	TT	1940491965
SNP_P1_232333_41982	NW_004516654.1	Scaffold1453	41982	TT	CC	1940491966
SNP_P1_232334_42035	NW_004516654.1	Scaffold1453	42035	AA	GG	1940491967
SNP_P1_232335_42065	NW_004516654.1	Scaffold1453	42065	CC	TT	1940491968
SNP_P1_232336_42284	NW_004516654.1	Scaffold1453	42284	AA	CC	1940491969
SNP_P1_232337_45647	NW_004516654.1	Scaffold1453	45647	TT	CC	1940491970
SNP_P1_232338_52276	NW_004516654.1	Scaffold1453	52276	TT	AA	1940491971
SNP_P1_232339_64734	NW_004516654.1	Scaffold1453	64734	AA	GG	1940491972
SNP_P1_232340_64757	NW_004516654.1	Scaffold1453	64757	CC	AA	1940491973
SNP_P1_232341_73035	NW_004516654.1	Scaffold1453	73035	GG	AA	1940491974
SNP_P1_232342_82294	NW_004516654.1	Scaffold1453	82294	GG	CC	1940491975
SNP_P1_232343_82559	NW_004516654.1	Scaffold1453	82559	GG	TT	1940491976
SNP_P1_232344_83662	NW_004516654.1	Scaffold1453	83662	TT	CC	1940491977
SNP_P1_232345_87284	NW_004516654.1	Scaffold1453	87284	GG	AA	1940491978
SNP_P1_232346_92760	NW_004516654.1	Scaffold1453	92760	AA	TT	1940491979
SNP_P1_232347_93478	NW_004516654.1	Scaffold1453	93478	GG	AA	1940491980
SNP_P1_232349_93594	NW_004516654.1	Scaffold1453	93594	AA	TT	1940491981
SNP_P1_232351_99040	NW_004516654.1	Scaffold1453	99040	CC	TT	1940491982
SNP_P1_232352_99041	NW_004516654.1	Scaffold1453	99041	CC	AA	1940491983
SNP_P1_232354_106600	NW_004516654.1	Scaffold1453	106600	TT	CC	1940491984
SNP_P1_232355_106630	NW_004516654.1	Scaffold1453	106630	TT	GG	1940491985
SNP_P1_232356_106635	NW_004516654.1	Scaffold1453	106635	AA	CC	1940491986
SNP_P1_232357_106691	NW_004516654.1	Scaffold1453	106691	CC	AA	1940491987
SNP_P1_232358_106710	NW_004516654.1	Scaffold1453	106710	TT	GG	1940491988
SNP_P1_232359_107739	NW_004516654.1	Scaffold1453	107739	AA	GG	1940491989

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_232360_108314	NW_004516654.1	Scaffold1453	108314	AA	GG	1940491990
SNP_P1_232361_108325	NW_004516654.1	Scaffold1453	108325	TT	GG	1940491991
SNP_P1_232362_108361	NW_004516654.1	Scaffold1453	108361	AA	CC	1940491992
SNP_P1_232363_108396	NW_004516654.1	Scaffold1453	108396	AA	TT	1940491993
SNP_P1_232364_108413	NW_004516654.1	Scaffold1453	108413	GG	TT	1940491994
SNP_P1_232365_108576	NW_004516654.1	Scaffold1453	108576	TT	AA	1940491995
SNP_P1_232366_108586	NW_004516654.1	Scaffold1453	108586	TT	AA	1940491996
SNP_P1_232367_108727	NW_004516654.1	Scaffold1453	108727	CC	GG	1940491997
SNP_P1_232368_108784	NW_004516654.1	Scaffold1453	108784	CC	TT	1940491998
SNP_P1_232369_108788	NW_004516654.1	Scaffold1453	108788	AA	GG	1940491999
SNP_P1_232370_108807	NW_004516654.1	Scaffold1453	108807	CC	GG	1940492000
SNP_P1_232371_108834	NW_004516654.1	Scaffold1453	108834	AA	GG	1940492001
SNP_P1_232372_108848	NW_004516654.1	Scaffold1453	108848	TT	AA	1940492002
SNP_P1_232373_108865	NW_004516654.1	Scaffold1453	108865	AA	GG	1940492003
SNP_P1_232374_108904	NW_004516654.1	Scaffold1453	108904	AA	GG	1940492004
SNP_P1_232375_108926	NW_004516654.1	Scaffold1453	108926	CC	TT	1940492005
SNP_P1_232376_108943	NW_004516654.1	Scaffold1453	108943	GG	AA	1940492006
SNP_P1_232377_108946	NW_004516654.1	Scaffold1453	108946	GG	AA	1940492007
SNP_P1_232378_109049	NW_004516654.1	Scaffold1453	109049	CC	GG	1940492008
SNP_P1_232379_109079	NW_004516654.1	Scaffold1453	109079	CC	TT	1940492009
SNP_P1_232380_109085	NW_004516654.1	Scaffold1453	109085	TT	AA	1940492010
SNP_P1_232381_109106	NW_004516654.1	Scaffold1453	109106	TT	CC	1940492011
SNP_P1_232382_109134	NW_004516654.1	Scaffold1453	109134	GG	TT	1940492012
SNP_P1_232383_109135	NW_004516654.1	Scaffold1453	109135	GG	CC	1940492013
SNP_P1_232385_109214	NW_004516654.1	Scaffold1453	109214	CC	GG	1940492014
SNP_P1_232386_109222	NW_004516654.1	Scaffold1453	109222	TT	CC	1940492015
SNP_P1_232387_109297	NW_004516654.1	Scaffold1453	109297	CC	AA	1940492016
SNP_P1_232388_109307	NW_004516654.1	Scaffold1453	109307	AA	CC	1940492017
SNP_P1_232389_109343	NW_004516654.1	Scaffold1453	109343	TT	AA	1940492018
SNP_P1_232390_109349	NW_004516654.1	Scaffold1453	109349	AA	CC	1940492019
SNP_P1_232391_109575	NW_004516654.1	Scaffold1453	109575	AA	CC	1940492020
SNP_P1_232392_110577	NW_004516654.1	Scaffold1453	110577	AA	TT	1940492021
SNP_P1_232393_110601	NW_004516654.1	Scaffold1453	110601	GG	CC	1940492022
SNP_P1_232394_110808	NW_004516654.1	Scaffold1453	110808	CC	TT	1940492023
SNP_P1_232395_110855	NW_004516654.1	Scaffold1453	110855	AA	CC	1940492024
SNP_P1_232396_110908	NW_004516654.1	Scaffold1453	110908	CC	TT	1940492025
SNP_P1_232397_111212	NW_004516654.1	Scaffold1453	111212	GG	AA	1940492026
SNP_P1_232398_111222	NW_004516654.1	Scaffold1453	111222	GG	TT	1940492027
SNP_P1_232399_111225	NW_004516654.1	Scaffold1453	111225	TT	CC	1940492028
SNP_P1_232400_111230	NW_004516654.1	Scaffold1453	111230	AA	GG	1940492029
SNP_P1_232401_111272	NW_004516654.1	Scaffold1453	111272	CC	GG	1940492030
SNP_P1_232402_342	NW_004516655.1	Scaffold1455	342	AA	GG	1940492031

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_232403_501	NW_004516655.1	Scaffold1455	501	GG	TT	1940492032
SNP_P1_232404_524	NW_004516655.1	Scaffold1455	524	TT	GG	1940492033
SNP_P1_232405_548	NW_004516655.1	Scaffold1455	548	TT	GG	1940492034
SNP_P1_232406_867	NW_004516655.1	Scaffold1455	867	AA	CC	1940492035
SNP_P1_232407_960	NW_004516655.1	Scaffold1455	960	CC	AA	1940492036
SNP_P1_232408_6128	NW_004516655.1	Scaffold1455	6128	GG	CC	1940492037
SNP_P1_232409_6597	NW_004516655.1	Scaffold1455	6597	CC	AA	1940492038
SNP_P1_232410_6647	NW_004516655.1	Scaffold1455	6647	CC	AA	1940492039
SNP_P1_232411_6658	NW_004516655.1	Scaffold1455	6658	AA	CC	1940492040
SNP_P1_232412_6891	NW_004516655.1	Scaffold1455	6891	GG	AA	1940492041
SNP_P1_232413_7015	NW_004516655.1	Scaffold1455	7015	TT	AA	1940492042
SNP_P1_232414_7075	NW_004516655.1	Scaffold1455	7075	AA	GG	1940492043
SNP_P1_232415_7116	NW_004516655.1	Scaffold1455	7116	TT	AA	1940492044
SNP_P1_232416_7133	NW_004516655.1	Scaffold1455	7133	GG	AA	1940492045
SNP_P1_232417_7134	NW_004516655.1	Scaffold1455	7134	AA	CC	1940492046
SNP_P1_232418_7162	NW_004516655.1	Scaffold1455	7162	TT	CC	1940492047
SNP_P1_232419_7354	NW_004516655.1	Scaffold1455	7354	TT	CC	1940492048
SNP_P1_232420_7384	NW_004516655.1	Scaffold1455	7384	CC	TT	1940492049
SNP_P1_232421_10942	NW_004516655.1	Scaffold1455	10942	GG	TT	1940492050
SNP_P1_232422_11106	NW_004516655.1	Scaffold1455	11106	AA	GG	1940492051
SNP_P1_232423_11129	NW_004516655.1	Scaffold1455	11129	TT	CC	1940492052
SNP_P1_232424_11252	NW_004516655.1	Scaffold1455	11252	AA	TT	1940492053
SNP_P1_232425_11414	NW_004516655.1	Scaffold1455	11414	GG	AA	1940492054
SNP_P1_232426_11459	NW_004516655.1	Scaffold1455	11459	TT	GG	1940492055
SNP_P1_232427_11734	NW_004516655.1	Scaffold1455	11734	CC	TT	1940492056
SNP_P1_232428_11790	NW_004516655.1	Scaffold1455	11790	CC	TT	1940492057
SNP_P1_232429_12403	NW_004516655.1	Scaffold1455	12403	AA	GG	1940492058
SNP_P1_232430_12411	NW_004516655.1	Scaffold1455	12411	TT	AA	1940492059
SNP_P1_232431_12495	NW_004516655.1	Scaffold1455	12495	AA	CC	1940492060
SNP_P1_232433_12662	NW_004516655.1	Scaffold1455	12662	TT	GG	1940492061
SNP_P1_232434_12813	NW_004516655.1	Scaffold1455	12813	GG	AA	1940492062
SNP_P1_232435_12908	NW_004516655.1	Scaffold1455	12908	AA	CC	1940492063
SNP_P1_232436_13196	NW_004516655.1	Scaffold1455	13196	AA	CC	1940492064
SNP_P1_232437_13238	NW_004516655.1	Scaffold1455	13238	CC	TT	1940492065
SNP_P1_232438_13724	NW_004516655.1	Scaffold1455	13724	TT	CC	1940492066
SNP_P1_232439_13813	NW_004516655.1	Scaffold1455	13813	CC	GG	1940492067
SNP_P1_232440_14570	NW_004516655.1	Scaffold1455	14570	GG	TT	1940492068
SNP_P1_232441_14581	NW_004516655.1	Scaffold1455	14581	AA	CC	1940492069
SNP_P1_232442_14583	NW_004516655.1	Scaffold1455	14583	GG	AA	1940492070
SNP_P1_232443_14612	NW_004516655.1	Scaffold1455	14612	GG	AA	1940492071
SNP_P1_232444_14629	NW_004516655.1	Scaffold1455	14629	GG	AA	1940492073
SNP_P1_232445_14633	NW_004516655.1	Scaffold1455	14633	AA	TT	1940492074

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_232446_14968	NW_004516655.1	Scaffold1455	14968	AA	GG	1940492075
SNP_P1_232447_14971	NW_004516655.1	Scaffold1455	14971	AA	GG	1940492076
SNP_P1_232448_15017	NW_004516655.1	Scaffold1455	15017	TT	CC	1940492077
SNP_P1_232449_15023	NW_004516655.1	Scaffold1455	15023	GG	AA	1940492078
SNP_P1_232450_15025	NW_004516655.1	Scaffold1455	15025	TT	AA	1940492079
SNP_P1_232451_15062	NW_004516655.1	Scaffold1455	15062	GG	CC	1940492080
SNP_P1_232452_15449	NW_004516655.1	Scaffold1455	15449	CC	GG	1940492081
SNP_P1_232454_16202	NW_004516655.1	Scaffold1455	16202	GG	AA	1940492082
SNP_P1_232455_16503	NW_004516655.1	Scaffold1455	16503	TT	CC	1940492083
SNP_P1_232456_16563	NW_004516655.1	Scaffold1455	16563	AA	GG	1940492084
SNP_P1_232457_16577	NW_004516655.1	Scaffold1455	16577	TT	CC	1940492085
SNP_P1_232458_17976	NW_004516655.1	Scaffold1455	17976	AA	TT	1940492086
SNP_P1_232459_18070	NW_004516655.1	Scaffold1455	18070	CC	TT	1940492087
SNP_P1_232460_18310	NW_004516655.1	Scaffold1455	18310	AA	TT	1940492088
SNP_P1_232461_18320	NW_004516655.1	Scaffold1455	18320	TT	CC	1940492089
SNP_P1_232462_18515	NW_004516655.1	Scaffold1455	18515	TT	AA	1940492090
SNP_P1_232463_18652	NW_004516655.1	Scaffold1455	18652	TT	GG	1940492091
SNP_P1_232464_18655	NW_004516655.1	Scaffold1455	18655	GG	AA	1940492092
SNP_P1_232465_18896	NW_004516655.1	Scaffold1455	18896	CC	TT	1940492093
SNP_P1_232466_19070	NW_004516655.1	Scaffold1455	19070	GG	AA	1940492094
SNP_P1_232468_19278	NW_004516655.1	Scaffold1455	19278	GG	AA	1940492095
SNP_P1_232469_19280	NW_004516655.1	Scaffold1455	19280	TT	CC	1940492096
SNP_P1_232470_19281	NW_004516655.1	Scaffold1455	19281	GG	TT	1940492097
SNP_P1_232471_19282	NW_004516655.1	Scaffold1455	19282	CC	TT	1940492098
SNP_P1_232472_19316	NW_004516655.1	Scaffold1455	19316	GG	TT	1940492099
SNP_P1_232473_19318	NW_004516655.1	Scaffold1455	19318	TT	AA	1940492100
SNP_P1_232474_21093	NW_004516655.1	Scaffold1455	21093	AA	GG	1940492101
SNP_P1_232475_21151	NW_004516655.1	Scaffold1455	21151	TT	AA	1940492102
SNP_P1_232476_21495	NW_004516655.1	Scaffold1455	21495	CC	TT	1940492103
SNP_P1_232477_21737	NW_004516655.1	Scaffold1455	21737	TT	CC	1940492104
SNP_P1_232478_21741	NW_004516655.1	Scaffold1455	21741	AA	TT	1940492105
SNP_P1_232479_42388	NW_004516655.1	Scaffold1455	42388	TT	GG	1940492106
SNP_P1_232480_1074	NW_004516656.1	Scaffold1456	1074	TT	GG	1940492107
SNP_P1_232481_1312	NW_004516656.1	Scaffold1456	1312	TT	CC	1940492108
SNP_P1_232482_4093	NW_004516657.1	Scaffold1457	4093	GG	AA	1940492109
SNP_P1_232483_19492	NW_004516657.1	Scaffold1457	19492	CC	GG	1940492110
SNP_P1_232484_19500	NW_004516657.1	Scaffold1457	19500	GG	TT	1940492111
SNP_P1_232485_19649	NW_004516657.1	Scaffold1457	19649	GG	AA	1940492112
SNP_P1_232488_27505	NW_004516657.1	Scaffold1457	27505	CC	TT	1940492113
SNP_P1_232490_34301	NW_004516657.1	Scaffold1457	34301	TT	CC	1940492114
SNP_P1_232491_50208	NW_004516657.1	Scaffold1457	50208	CC	TT	1940492115
SNP_P1_232492_50218	NW_004516657.1	Scaffold1457	50218	TT	AA	1940492116

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_232493_50540	NW_004516657.1	Scaffold1457	50540	GG	AA	1940492117
SNP_P1_232494_56132	NW_004516657.1	Scaffold1457	56132	CC	AA	1940492118
SNP_P1_232495_62894	NW_004516657.1	Scaffold1457	62894	CC	TT	1940492119
SNP_P1_232496_68225	NW_004516657.1	Scaffold1457	68225	AA	TT	1940492120
SNP_P1_232498_68576	NW_004516657.1	Scaffold1457	68576	AA	CC	1940492121
SNP_P1_232499_68626	NW_004516657.1	Scaffold1457	68626	AA	GG	1940492122
SNP_P1_232500_935	NW_004516659.1	Scaffold1459	935	TT	CC	1940492123
SNP_P1_232501_1158	NW_004516659.1	Scaffold1459	1158	GG	TT	1940492124
SNP_P1_232502_3610	NW_004516659.1	Scaffold1459	3610	AA	TT	1940492125
SNP_P1_232503_4250	NW_004516659.1	Scaffold1459	4250	AA	CC	1940492126
SNP_P1_232504_4696	NW_004516659.1	Scaffold1459	4696	TT	CC	1940492127
SNP_P1_232505_5511	NW_004516659.1	Scaffold1459	5511	GG	AA	1940492128
SNP_P1_232506_6197	NW_004516659.1	Scaffold1459	6197	TT	CC	1940492129
SNP_P1_232507_6202	NW_004516659.1	Scaffold1459	6202	CC	TT	1940492130
SNP_P1_232508_8699	NW_004516659.1	Scaffold1459	8699	TT	AA	1940492131
SNP_P1_232509_8731	NW_004516659.1	Scaffold1459	8731	GG	AA	1940492132
SNP_P1_232510_8772	NW_004516659.1	Scaffold1459	8772	TT	GG	1940492133
SNP_P1_232511_7629	NW_004516661.1	Scaffold1461	7629	AA	GG	1940492134
SNP_P1_232512_12267	NW_004516661.1	Scaffold1461	12267	AA	TT	1940492135
SNP_P1_232513_12330	NW_004516661.1	Scaffold1461	12330	TT	GG	1940492136
SNP_P1_232514_12342	NW_004516661.1	Scaffold1461	12342	GG	TT	1940492137
SNP_P1_232515_12390	NW_004516661.1	Scaffold1461	12390	GG	CC	1940492138
SNP_P1_232516_12391	NW_004516661.1	Scaffold1461	12391	GG	AA	1940492139
SNP_P1_232517_13019	NW_004516661.1	Scaffold1461	13019	GG	AA	1940492140
SNP_P1_232518_13164	NW_004516661.1	Scaffold1461	13164	CC	GG	1940492141
SNP_P1_232519_7667	NW_004516662.1	Scaffold1462	7667	GG	TT	1940492142
SNP_P1_232521_12085	NW_004516662.1	Scaffold1462	12085	CC	TT	1940492143
SNP_P1_232522_12174	NW_004516662.1	Scaffold1462	12174	GG	CC	1940492144
SNP_P1_232523_12192	NW_004516662.1	Scaffold1462	12192	CC	TT	1940492145
SNP_P1_232524_12199	NW_004516662.1	Scaffold1462	12199	TT	CC	1940492146
SNP_P1_232526_12477	NW_004516662.1	Scaffold1462	12477	AA	TT	1940492147
SNP_P1_232527_12719	NW_004516662.1	Scaffold1462	12719	CC	TT	1940492148
SNP_P1_232528_12893	NW_004516662.1	Scaffold1462	12893	AA	TT	1940492149
SNP_P1_232530_14748	NW_004516662.1	Scaffold1462	14748	AA	GG	1940492150
SNP_P1_232531_14749	NW_004516662.1	Scaffold1462	14749	TT	CC	1940492151
SNP_P1_232532_14944	NW_004516662.1	Scaffold1462	14944	GG	AA	1940492152
SNP_P1_232533_14968	NW_004516662.1	Scaffold1462	14968	TT	AA	1940492153
SNP_P1_232534_15068	NW_004516662.1	Scaffold1462	15068	GG	TT	1940492154
SNP_P1_232535_15081	NW_004516662.1	Scaffold1462	15081	TT	GG	1940492155
SNP_P1_232536_15228	NW_004516662.1	Scaffold1462	15228	GG	AA	1940492156
SNP_P1_232537_15896	NW_004516662.1	Scaffold1462	15896	TT	AA	1940492157
SNP_P1_232538_5803	NW_004516663.1	Scaffold1464	5803	TT	GG	1940492158

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_232539_6403	NW_004516663.1	Scaffold1464	6403	TT	CC	1940492159
SNP_P1_232540_12681	NW_004516663.1	Scaffold1464	12681	GG	AA	1940492160
SNP_P1_232541_12717	NW_004516663.1	Scaffold1464	12717	GG	AA	1940492161
SNP_P1_232542_14984	NW_004516663.1	Scaffold1464	14984	CC	TT	1940492162
SNP_P1_232543_15004	NW_004516663.1	Scaffold1464	15004	CC	AA	1940492163
SNP_P1_232544_15032	NW_004516663.1	Scaffold1464	15032	GG	AA	1940492164
SNP_P1_232545_15080	NW_004516663.1	Scaffold1464	15080	AA	GG	1940492165
SNP_P1_232546_15147	NW_004516663.1	Scaffold1464	15147	TT	CC	1940492166
SNP_P1_232547_28029	NW_004516663.1	Scaffold1464	28029	AA	GG	1940492167
SNP_P1_232548_41988	NW_004516663.1	Scaffold1464	41988	TT	AA	1940492168
SNP_P1_232551_66275	NW_004516663.1	Scaffold1464	66275	TT	CC	1940492169
SNP_P1_232552_69799	NW_004516663.1	Scaffold1464	69799	TT	AA	1940492170
SNP_P1_232553_69835	NW_004516663.1	Scaffold1464	69835	GG	AA	1940492171
SNP_P1_232554_69873	NW_004516663.1	Scaffold1464	69873	AA	CC	1940492172
SNP_P1_232555_69894	NW_004516663.1	Scaffold1464	69894	CC	GG	1940492173
SNP_P1_232556_69992	NW_004516663.1	Scaffold1464	69992	AA	GG	1940492174
SNP_P1_232557_70236	NW_004516663.1	Scaffold1464	70236	CC	TT	1940492175
SNP_P1_232558_70240	NW_004516663.1	Scaffold1464	70240	TT	AA	1940492176
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SNP_P1_232560_79091	NW_004516663.1	Scaffold1464	79091	GG	TT	1940492178
SNP_P1_232561_79107	NW_004516663.1	Scaffold1464	79107	GG	AA	1940492179
SNP_P1_232562_79112	NW_004516663.1	Scaffold1464	79112	CC	TT	1940492180
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SNP_P1_232565_89442	NW_004516663.1	Scaffold1464	89442	AA	GG	1940492183
SNP_P1_232566_89961	NW_004516663.1	Scaffold1464	89961	TT	CC	1940492184
SNP_P1_232567_90017	NW_004516663.1	Scaffold1464	90017	GG	AA	1940492185
SNP_P1_232568_2251	NW_004516664.1	Scaffold1465	2251	TT	CC	1940492186
SNP_P1_232569_2383	NW_004516664.1	Scaffold1465	2383	GG	AA	1940492187
SNP_P1_232570_2616	NW_004516664.1	Scaffold1465	2616	CC	GG	1940492188
SNP_P1_232571_2629	NW_004516664.1	Scaffold1465	2629	GG	AA	1940492189
SNP_P1_232572_2646	NW_004516664.1	Scaffold1465	2646	AA	TT	1940492190
SNP_P1_232574_4693	NW_004516664.1	Scaffold1465	4693	AA	TT	1940492191
SNP_P1_232576_10947	NW_004516664.1	Scaffold1465	10947	TT	CC	1940492192
SNP_P1_232578_11928	NW_004516664.1	Scaffold1465	11928	AA	TT	1940492193
SNP_P1_232579_12140	NW_004516664.1	Scaffold1465	12140	AA	TT	1940492194
SNP_P1_232580_12558	NW_004516664.1	Scaffold1465	12558	TT	AA	1940492195
SNP_P1_232581_12622	NW_004516664.1	Scaffold1465	12622	CC	TT	1940492196
SNP_P1_232582_12668	NW_004516664.1	Scaffold1465	12668	GG	AA	1940492197
SNP_P1_232583_15111	NW_004516664.1	Scaffold1465	15111	CC	TT	1940492198
SNP_P1_232584_15148	NW_004516664.1	Scaffold1465	15148	AA	GG	1940492199
SNP_P1_232586_20275	NW_004516664.1	Scaffold1465	20275	TT	CC	1940492200

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_232588_20330	NW_004516664.1	Scaffold1465	20330	TT	CC	1940492202
SNP_P1_232589_20572	NW_004516664.1	Scaffold1465	20572	GG	AA	1940492203
SNP_P1_232590_20576	NW_004516664.1	Scaffold1465	20576	TT	AA	1940492204
SNP_P1_232591_22498	NW_004516664.1	Scaffold1465	22498	AA	CC	1940492205
SNP_P1_232593_22550	NW_004516664.1	Scaffold1465	22550	CC	TT	1940492206
SNP_P1_232594_22571	NW_004516664.1	Scaffold1465	22571	CC	GG	1940492207
SNP_P1_232595_22577	NW_004516664.1	Scaffold1465	22577	AA	TT	1940492208
SNP_P1_232596_22712	NW_004516664.1	Scaffold1465	22712	CC	TT	1940492209
SNP_P1_232597_22720	NW_004516664.1	Scaffold1465	22720	CC	GG	1940492210
SNP_P1_232598_22814	NW_004516664.1	Scaffold1465	22814	AA	GG	1940492211
SNP_P1_232599_22839	NW_004516664.1	Scaffold1465	22839	TT	AA	1940492212
SNP_P1_232600_25827	NW_004516664.1	Scaffold1465	25827	TT	CC	1940492213
SNP_P1_232601_27639	NW_004516664.1	Scaffold1465	27639	GG	AA	1940492214
SNP_P1_232603_36618	NW_004516664.1	Scaffold1465	36618	AA	GG	1940492215
SNP_P1_232604_36619	NW_004516664.1	Scaffold1465	36619	CC	TT	1940492216
SNP_P1_232605_36634	NW_004516664.1	Scaffold1465	36634	CC	TT	1940492217
SNP_P1_232606_36668	NW_004516664.1	Scaffold1465	36668	GG	AA	1940492218
SNP_P1_232609_8087	NW_004516665.1	Scaffold1466	8087	CC	TT	1940492219
SNP_P1_232610_10379	NW_004516665.1	Scaffold1466	10379	GG	TT	1940492220
SNP_P1_232611_19596	NW_004516665.1	Scaffold1466	19596	CC	TT	1940492221
SNP_P1_232612_40468	NW_004516665.1	Scaffold1466	40468	CC	TT	1940492222
SNP_P1_232614_71449	NW_004516665.1	Scaffold1466	71449	TT	GG	1940492223
SNP_P1_232615_71791	NW_004516665.1	Scaffold1466	71791	TT	GG	1940492224
SNP_P1_232616_82344	NW_004516665.1	Scaffold1466	82344	AA	TT	1940492225
SNP_P1_232617_84986	NW_004516665.1	Scaffold1466	84986	GG	CC	1940492226
SNP_P1_232618_86031	NW_004516665.1	Scaffold1466	86031	CC	AA	1940492227
SNP_P1_232619_105650	NW_004516665.1	Scaffold1466	105650	GG	TT	1940492228
SNP_P1_232620_105954	NW_004516665.1	Scaffold1466	105954	AA	GG	1940492229
SNP_P1_232622_107802	NW_004516665.1	Scaffold1466	107802	GG	CC	1940492230
SNP_P1_232623_109845	NW_004516665.1	Scaffold1466	109845	TT	AA	1940492231
SNP_P1_232625_130984	NW_004516665.1	Scaffold1466	130984	AA	GG	1940492232
SNP_P1_232626_133914	NW_004516665.1	Scaffold1466	133914	GG	AA	1940492234
SNP_P1_232627_147837	NW_004516665.1	Scaffold1466	147837	CC	TT	1940492235
SNP_P1_232628_170361	NW_004516665.1	Scaffold1466	170361	CC	TT	1940492236
SNP_P1_232629_170367	NW_004516665.1	Scaffold1466	170367	TT	CC	1940492237
SNP_P1_232630_178721	NW_004516665.1	Scaffold1466	178721	CC	AA	1940492238
SNP_P1_232631_178734	NW_004516665.1	Scaffold1466	178734	CC	AA	1940492239
SNP_P1_232632_178769	NW_004516665.1	Scaffold1466	178769	GG	TT	1940492240
SNP_P1_232633_187969	NW_004516665.1	Scaffold1466	187969	TT	CC	1940492241
SNP_P1_232634_209910	NW_004516665.1	Scaffold1466	209910	GG	AA	1940492242
SNP_P1_232637_234301	NW_004516665.1	Scaffold1466	234301	TT	CC	1940492243

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_232639_237380	NW_004516665.1	Scaffold1466	237380	CC	TT	1940492245
SNP_P1_232640_239648	NW_004516665.1	Scaffold1466	239648	TT	AA	1940492246
SNP_P1_232641_241640	NW_004516665.1	Scaffold1466	241640	TT	AA	1940492247
SNP_P1_232642_241656	NW_004516665.1	Scaffold1466	241656	CC	TT	1940492248
SNP_P1_232643_265290	NW_004516665.1	Scaffold1466	265290	CC	TT	1940492249
SNP_P1_232644_280937	NW_004516665.1	Scaffold1466	280937	AA	GG	1940492250
SNP_P1_232645_284541	NW_004516665.1	Scaffold1466	284541	AA	CC	1940492251
SNP_P1_232646_284574	NW_004516665.1	Scaffold1466	284574	CC	TT	1940492252
SNP_P1_232647_311987	NW_004516665.1	Scaffold1466	311987	AA	GG	1940492253
SNP_P1_232648_314063	NW_004516665.1	Scaffold1466	314063	TT	CC	1940492254
SNP_P1_232649_314340	NW_004516665.1	Scaffold1466	314340	AA	GG	1940492255
SNP_P1_232650_314397	NW_004516665.1	Scaffold1466	314397	AA	CC	1940492256
SNP_P1_232651_321600	NW_004516665.1	Scaffold1466	321600	GG	TT	1940492257
SNP_P1_232652_323421	NW_004516665.1	Scaffold1466	323421	TT	GG	1940492258
SNP_P1_232653_327669	NW_004516665.1	Scaffold1466	327669	GG	TT	1940492259
SNP_P1_232654_328634	NW_004516665.1	Scaffold1466	328634	AA	GG	1940492260
SNP_P1_232655_347238	NW_004516665.1	Scaffold1466	347238	CC	TT	1940492261
SNP_P1_232656_350924	NW_004516665.1	Scaffold1466	350924	GG	AA	1940492262
SNP_P1_232657_358112	NW_004516665.1	Scaffold1466	358112	GG	AA	1940492263
SNP_P1_232658_358151	NW_004516665.1	Scaffold1466	358151	AA	GG	1940492264
SNP_P1_232659_358205	NW_004516665.1	Scaffold1466	358205	TT	CC	1940492265
SNP_P1_232660_358458	NW_004516665.1	Scaffold1466	358458	TT	CC	1940492266
SNP_P1_232661_358484	NW_004516665.1	Scaffold1466	358484	AA	GG	1940492267
SNP_P1_232662_358548	NW_004516665.1	Scaffold1466	358548	GG	AA	1940492268
SNP_P1_232663_3216	NW_004516666.1	Scaffold1467	3216	CC	TT	1940492269
SNP_P1_232664_8723	NW_004516666.1	Scaffold1467	8723	AA	TT	1940492270
SNP_P1_232666_11974	NW_004516666.1	Scaffold1467	11974	AA	GG	1940492271
SNP_P1_232668_22476	NW_004516666.1	Scaffold1467	22476	TT	CC	1940492272
SNP_P1_232669_22480	NW_004516666.1	Scaffold1467	22480	TT	GG	1940492273
SNP_P1_232670_22481	NW_004516666.1	Scaffold1467	22481	GG	TT	1940492274
SNP_P1_232671_23806	NW_004516666.1	Scaffold1467	23806	AA	TT	1940492275
SNP_P1_232672_24035	NW_004516666.1	Scaffold1467	24035	GG	AA	1940492276
SNP_P1_232673_55100	NW_004516666.1	Scaffold1467	55100	CC	TT	1940492277
SNP_P1_232675_86131	NW_004516666.1	Scaffold1467	86131	AA	GG	1940492278
SNP_P1_232676_87070	NW_004516666.1	Scaffold1467	87070	GG	AA	1940492279
SNP_P1_232677_87534	NW_004516666.1	Scaffold1467	87534	CC	TT	1940492280
SNP_P1_232678_87552	NW_004516666.1	Scaffold1467	87552	TT	CC	1940492281
SNP_P1_232679_87575	NW_004516666.1	Scaffold1467	87575	TT	CC	1940492282
SNP_P1_232680_91880	NW_004516666.1	Scaffold1467	91880	CC	TT	1940492283
SNP_P1_232681_92040	NW_004516666.1	Scaffold1467	92040	TT	CC	1940492284
SNP_P1_232682_92235	NW_004516666.1	Scaffold1467	92235	TT	GG	1940492285

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_232684_109688	NW_004516666.1	Scaffold1467	109688	TT	GG	1940492287
SNP_P1_232685_109693	NW_004516666.1	Scaffold1467	109693	AA	CC	1940492288
SNP_P1_232686_113291	NW_004516666.1	Scaffold1467	113291	AA	CC	1940492289
SNP_P1_232687_128425	NW_004516666.1	Scaffold1467	128425	CC	GG	1940492290
SNP_P1_232688_143339	NW_004516666.1	Scaffold1467	143339	TT	CC	1940492291
SNP_P1_232689_143349	NW_004516666.1	Scaffold1467	143349	AA	GG	1940492292
SNP_P1_232690_143350	NW_004516666.1	Scaffold1467	143350	AA	GG	1940492293
SNP_P1_232691_147486	NW_004516666.1	Scaffold1467	147486	GG	AA	1940492294
SNP_P1_232692_161820	NW_004516666.1	Scaffold1467	161820	GG	AA	1940492295
SNP_P1_232693_170841	NW_004516666.1	Scaffold1467	170841	AA	GG	1940492296
SNP_P1_232694_175356	NW_004516666.1	Scaffold1467	175356	AA	CC	1940492297
SNP_P1_232695_175996	NW_004516666.1	Scaffold1467	175996	GG	TT	1940492298
SNP_P1_232696_198203	NW_004516666.1	Scaffold1467	198203	CC	TT	1940492299
SNP_P1_232697_202563	NW_004516666.1	Scaffold1467	202563	GG	AA	1940492300
SNP_P1_232698_202584	NW_004516666.1	Scaffold1467	202584	CC	TT	1940492301
SNP_P1_232699_202735	NW_004516666.1	Scaffold1467	202735	TT	CC	1940492302
SNP_P1_232700_202757	NW_004516666.1	Scaffold1467	202757	GG	AA	1940492303
SNP_P1_232701_206307	NW_004516666.1	Scaffold1467	206307	GG	AA	1940492304
SNP_P1_232702_206338	NW_004516666.1	Scaffold1467	206338	AA	GG	1940492305
SNP_P1_232703_3550	NW_004516667.1	Scaffold1468	3550	TT	AA	1940492306
SNP_P1_232704_3734	NW_004516667.1	Scaffold1468	3734	GG	CC	1940492307
SNP_P1_232705_4037	NW_004516667.1	Scaffold1468	4037	GG	TT	1940492308
SNP_P1_232706_4339	NW_004516667.1	Scaffold1468	4339	CC	TT	1940492309
SNP_P1_232709_820	NW_004516669.1	Scaffold1472	820	GG	AA	1940492310
SNP_P1_232710_2253	NW_004516669.1	Scaffold1472	2253	TT	CC	1940492311
SNP_P1_232711_2063	NW_004516670.1	Scaffold1473	2063	AA	GG	1940492312
SNP_P1_232712_2168	NW_004516670.1	Scaffold1473	2168	CC	TT	1940492313
SNP_P1_232713_2230	NW_004516670.1	Scaffold1473	2230	CC	TT	1940492314
SNP_P1_232714_2255	NW_004516670.1	Scaffold1473	2255	GG	AA	1940492315
SNP_P1_232715_2347	NW_004516670.1	Scaffold1473	2347	TT	GG	1940492316
SNP_P1_232716_2590	NW_004516670.1	Scaffold1473	2590	TT	AA	1940492317
SNP_P1_232717_2737	NW_004516670.1	Scaffold1473	2737	AA	GG	1940492318
SNP_P1_232718_2924	NW_004516670.1	Scaffold1473	2924	AA	GG	1940492319
SNP_P1_232719_3047	NW_004516670.1	Scaffold1473	3047	TT	CC	1940492320
SNP_P1_232720_3060	NW_004516670.1	Scaffold1473	3060	GG	AA	1940492321
SNP_P1_232721_3429	NW_004516670.1	Scaffold1473	3429	GG	TT	1940492322
SNP_P1_232722_16461	NW_004516671.1	Scaffold1475	16461	CC	TT	1940492323
SNP_P1_232723_57501	NW_004516671.1	Scaffold1475	57501	AA	CC	1940492324
SNP_P1_232724_57555	NW_004516671.1	Scaffold1475	57555	AA	CC	1940492325
SNP_P1_232725_62078	NW_004516671.1	Scaffold1475	62078	CC	TT	1940492326
SNP_P1_232726_62084	NW_004516671.1	Scaffold1475	62084	TT	CC	1940492327

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_232728_68852	NW_004516671.1	Scaffold1475	68852	TT	GG	1940492329
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SNP_P1_232730_73572	NW_004516671.1	Scaffold1475	73572	GG	TT	1940492331
SNP_P1_232731_73582	NW_004516671.1	Scaffold1475	73582	TT	AA	1940492332
SNP_P1_232732_73602	NW_004516671.1	Scaffold1475	73602	AA	GG	1940492333
SNP_P1_232733_92038	NW_004516671.1	Scaffold1475	92038	AA	GG	1940492334
SNP_P1_232734_99314	NW_004516671.1	Scaffold1475	99314	AA	CC	1940492335
SNP_P1_232736_99336	NW_004516671.1	Scaffold1475	99336	TT	GG	1940492336
SNP_P1_232737_99342	NW_004516671.1	Scaffold1475	99342	TT	CC	1940492337
SNP_P1_232738_99366	NW_004516671.1	Scaffold1475	99366	AA	GG	1940492338
SNP_P1_232739_99384	NW_004516671.1	Scaffold1475	99384	CC	TT	1940492339
SNP_P1_232740_99630	NW_004516671.1	Scaffold1475	99630	AA	GG	1940492340
SNP_P1_232741_99632	NW_004516671.1	Scaffold1475	99632	TT	CC	1940492341
SNP_P1_232742_99658	NW_004516671.1	Scaffold1475	99658	TT	GG	1940492342
SNP_P1_232743_99723	NW_004516671.1	Scaffold1475	99723	TT	CC	1940492343
SNP_P1_232744_99733	NW_004516671.1	Scaffold1475	99733	AA	GG	1940492344
SNP_P1_232746_106167	NW_004516671.1	Scaffold1475	106167	CC	GG	1940492345
SNP_P1_232747_899	NW_004516673.1	Scaffold1477	899	TT	CC	1940492346
SNP_P1_232748_972	NW_004516673.1	Scaffold1477	972	TT	AA	1940492347
SNP_P1_232749_687	NW_004516674.1	Scaffold1478	687	TT	AA	1940492348
SNP_P1_232750_1011	NW_004516674.1	Scaffold1478	1011	AA	GG	1940492349
SNP_P1_232751_1053	NW_004516674.1	Scaffold1478	1053	GG	AA	1940492350
SNP_P1_232752_1069	NW_004516674.1	Scaffold1478	1069	GG	AA	1940492351
SNP_P1_232753_7515	NW_004516674.1	Scaffold1478	7515	GG	AA	1940492352
SNP_P1_232755_8983	NW_004516674.1	Scaffold1478	8983	TT	GG	1940492353
SNP_P1_232756_9033	NW_004516674.1	Scaffold1478	9033	TT	CC	1940492354
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SNP_P1_232758_10912	NW_004516674.1	Scaffold1478	10912	CC	TT	1940492356
SNP_P1_232759_11118	NW_004516674.1	Scaffold1478	11118	CC	TT	1940492357
SNP_P1_232760_11153	NW_004516674.1	Scaffold1478	11153	AA	TT	1940492358
SNP_P1_232761_11162	NW_004516674.1	Scaffold1478	11162	AA	GG	1940492359
SNP_P1_232762_11224	NW_004516674.1	Scaffold1478	11224	TT	GG	1940492360
SNP_P1_232763_21378	NW_004516674.1	Scaffold1478	21378	AA	TT	1940492361
SNP_P1_232764_21930	NW_004516674.1	Scaffold1478	21930	CC	TT	1940492362
SNP_P1_232765_26248	NW_004516674.1	Scaffold1478	26248	TT	CC	1940492363
SNP_P1_232766_33845	NW_004516674.1	Scaffold1478	33845	CC	AA	1940492364
SNP_P1_232767_38399	NW_004516674.1	Scaffold1478	38399	TT	GG	1940492365
SNP_P1_232768_38438	NW_004516674.1	Scaffold1478	38438	GG	AA	1940492366
SNP_P1_232769_38735	NW_004516674.1	Scaffold1478	38735	AA	GG	1940492367
SNP_P1_232770_38749	NW_004516674.1	Scaffold1478	38749	AA	GG	1940492368
SNP_P1_232771_38812	NW_004516674.1	Scaffold1478	38812	TT	CC	1940492369

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_232772_45183	NW_004516674.1	Scaffold1478	45183	TT	CC	1940492370
SNP_P1_232773_64265	NW_004516674.1	Scaffold1478	64265	AA	CC	1940492371
SNP_P1_232775_73500	NW_004516674.1	Scaffold1478	73500	CC	AA	1940492372
SNP_P1_232777_73537	NW_004516674.1	Scaffold1478	73537	TT	AA	1940492373
SNP_P1_232778_73539	NW_004516674.1	Scaffold1478	73539	AA	CC	1940492374
SNP_P1_232779_73581	NW_004516674.1	Scaffold1478	73581	GG	AA	1940492375
SNP_P1_232780_73627	NW_004516674.1	Scaffold1478	73627	CC	AA	1940492376
SNP_P1_232781_73797	NW_004516674.1	Scaffold1478	73797	GG	AA	1940492377
SNP_P1_232782_73806	NW_004516674.1	Scaffold1478	73806	GG	TT	1940492378
SNP_P1_232783_73866	NW_004516674.1	Scaffold1478	73866	CC	TT	1940492379
SNP_P1_232784_83876	NW_004516674.1	Scaffold1478	83876	AA	CC	1940492380
SNP_P1_232785_92264	NW_004516674.1	Scaffold1478	92264	CC	TT	1940492381
SNP_P1_232786_92265	NW_004516674.1	Scaffold1478	92265	TT	CC	1940492382
SNP_P1_232787_2542	NW_004516675.1	Scaffold1479	2542	TT	CC	1940492383
SNP_P1_232788_5716	NW_004516678.1	Scaffold1483	5716	AA	GG	1940492384
SNP_P1_232789_5748	NW_004516678.1	Scaffold1483	5748	TT	CC	1940492385
SNP_P1_232790_5984	NW_004516678.1	Scaffold1483	5984	GG	AA	1940492386
SNP_P1_232791_6000	NW_004516678.1	Scaffold1483	6000	CC	TT	1940492387
SNP_P1_232792_6016	NW_004516678.1	Scaffold1483	6016	GG	TT	1940492388
SNP_P1_232793_6017	NW_004516678.1	Scaffold1483	6017	GG	AA	1940492389
SNP_P1_232794_6030	NW_004516678.1	Scaffold1483	6030	CC	TT	1940492390
SNP_P1_232795_6085	NW_004516678.1	Scaffold1483	6085	TT	GG	1940492391
SNP_P1_232796_6257	NW_004516678.1	Scaffold1483	6257	AA	GG	1940492392
SNP_P1_232797_6260	NW_004516678.1	Scaffold1483	6260	GG	AA	1940492394
SNP_P1_232798_6309	NW_004516678.1	Scaffold1483	6309	GG	CC	1940492395
SNP_P1_232799_6377	NW_004516678.1	Scaffold1483	6377	AA	GG	1940492396
SNP_P1_232800_6393	NW_004516678.1	Scaffold1483	6393	AA	GG	1940492397
SNP_P1_232801_6399	NW_004516678.1	Scaffold1483	6399	GG	CC	1940492398
SNP_P1_232802_6411	NW_004516678.1	Scaffold1483	6411	CC	AA	1940492399
SNP_P1_232804_6533	NW_004516678.1	Scaffold1483	6533	CC	TT	1940492400
SNP_P1_232805_6536	NW_004516678.1	Scaffold1483	6536	GG	AA	1940492401
SNP_P1_232806_6564	NW_004516678.1	Scaffold1483	6564	GG	CC	1940492402
SNP_P1_232807_6606	NW_004516678.1	Scaffold1483	6606	GG	AA	1940492403
SNP_P1_232808_6618	NW_004516678.1	Scaffold1483	6618	TT	GG	1940492404
SNP_P1_232809_6665	NW_004516678.1	Scaffold1483	6665	AA	CC	1940492405
SNP_P1_232810_6713	NW_004516678.1	Scaffold1483	6713	CC	TT	1940492406
SNP_P1_232811_6764	NW_004516678.1	Scaffold1483	6764	TT	CC	1940492407
SNP_P1_232812_6772	NW_004516678.1	Scaffold1483	6772	CC	TT	1940492408
SNP_P1_232813_6809	NW_004516678.1	Scaffold1483	6809	TT	CC	1940492409
SNP_P1_232814_6814	NW_004516678.1	Scaffold1483	6814	TT	CC	1940492410
SNP_P1_232815_6817	NW_004516678.1	Scaffold1483	6817	AA	TT	1940492411
SNP_P1_232817_6891	NW_004516678.1	Scaffold1483	6891	TT	GG	1940492412

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_232818_6901	NW_004516678.1	Scaffold1483	6901	AA	GG	1940492413
SNP_P1_232819_6917	NW_004516678.1	Scaffold1483	6917	AA	CC	1940492414
SNP_P1_232820_6930	NW_004516678.1	Scaffold1483	6930	GG	CC	1940492415
SNP_P1_232821_7082	NW_004516678.1	Scaffold1483	7082	GG	CC	1940492416
SNP_P1_232822_12059	NW_004516678.1	Scaffold1483	12059	CC	TT	1940492417
SNP_P1_232823_15767	NW_004516678.1	Scaffold1483	15767	CC	TT	1940492418
SNP_P1_232824_15812	NW_004516678.1	Scaffold1483	15812	TT	CC	1940492419
SNP_P1_232825_20437	NW_004516678.1	Scaffold1483	20437	AA	TT	1940492420
SNP_P1_232826_24659	NW_004516678.1	Scaffold1483	24659	CC	TT	1940492421
SNP_P1_232827_27665	NW_004516678.1	Scaffold1483	27665	TT	CC	1940492422
SNP_P1_232828_27734	NW_004516678.1	Scaffold1483	27734	TT	CC	1940492423
SNP_P1_232829_27981	NW_004516678.1	Scaffold1483	27981	GG	AA	1940492424
SNP_P1_232831_31558	NW_004516678.1	Scaffold1483	31558	AA	TT	1940492425
SNP_P1_232832_38125	NW_004516678.1	Scaffold1483	38125	AA	GG	1940492426
SNP_P1_232833_38135	NW_004516678.1	Scaffold1483	38135	GG	AA	1940492427
SNP_P1_232835_54800	NW_004516678.1	Scaffold1483	54800	AA	TT	1940492428
SNP_P1_232836_54848	NW_004516678.1	Scaffold1483	54848	CC	TT	1940492429
SNP_P1_232837_55108	NW_004516678.1	Scaffold1483	55108	AA	GG	1940492430
SNP_P1_232838_55114	NW_004516678.1	Scaffold1483	55114	GG	TT	1940492431
SNP_P1_232839_55117	NW_004516678.1	Scaffold1483	55117	TT	GG	1940492432
SNP_P1_232840_55122	NW_004516678.1	Scaffold1483	55122	TT	CC	1940492433
SNP_P1_232841_55520	NW_004516678.1	Scaffold1483	55520	GG	AA	1940492434
SNP_P1_232842_56575	NW_004516678.1	Scaffold1483	56575	AA	GG	1940492435
SNP_P1_232843_56609	NW_004516678.1	Scaffold1483	56609	CC	AA	1940492436
SNP_P1_232844_57081	NW_004516678.1	Scaffold1483	57081	AA	CC	1940492437
SNP_P1_232847_69213	NW_004516678.1	Scaffold1483	69213	AA	GG	1940492438
SNP_P1_232848_69313	NW_004516678.1	Scaffold1483	69313	TT	AA	1940492439
SNP_P1_232849_69768	NW_004516678.1	Scaffold1483	69768	AA	CC	1940492440
SNP_P1_232850_69873	NW_004516678.1	Scaffold1483	69873	GG	CC	1940492441
SNP_P1_232851_69969	NW_004516678.1	Scaffold1483	69969	GG	AA	1940492442
SNP_P1_232852_70221	NW_004516678.1	Scaffold1483	70221	GG	AA	1940492443
SNP_P1_232853_72960	NW_004516678.1	Scaffold1483	72960	TT	GG	1940492444
SNP_P1_232855_73330	NW_004516678.1	Scaffold1483	73330	TT	CC	1940492445
SNP_P1_232856_73355	NW_004516678.1	Scaffold1483	73355	GG	AA	1940492446
SNP_P1_232857_66	NW_004516679.1	Scaffold1485	66	CC	GG	1940492447
SNP_P1_232858_40	NW_004516680.1	Scaffold1486	40	TT	GG	1940492448
SNP_P1_232859_52	NW_004516680.1	Scaffold1486	52	CC	AA	1940492449
SNP_P1_232860_240	NW_004516680.1	Scaffold1486	240	TT	AA	1940492450
SNP_P1_232861_262	NW_004516680.1	Scaffold1486	262	GG	AA	1940492451
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SNP_P1_232863_592	NW_004516680.1	Scaffold1486	592	AA	GG	1940492453
SNP_P1_232864_64	NW_004516681.1	Scaffold1488	64	GG	CC	1940492454

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_232866_89	NW_004516681.1	Scaffold1488	89	GG	AA	1940492456
SNP_P1_232867_325	NW_004516681.1	Scaffold1488	325	GG	TT	1940492457
SNP_P1_232868_341	NW_004516681.1	Scaffold1488	341	AA	CC	1940492458
SNP_P1_232869_512	NW_004516681.1	Scaffold1488	512	AA	TT	1940492459
SNP_P1_232870_6366	NW_004516681.1	Scaffold1488	6366	AA	GG	1940492460
SNP_P1_232871_6384	NW_004516681.1	Scaffold1488	6384	AA	CC	1940492461
SNP_P1_232872_6385	NW_004516681.1	Scaffold1488	6385	AA	GG	1940492462
SNP_P1_232873_6673	NW_004516681.1	Scaffold1488	6673	AA	GG	1940492463
SNP_P1_232874_6677	NW_004516681.1	Scaffold1488	6677	AA	CC	1940492464
SNP_P1_232875_6682	NW_004516681.1	Scaffold1488	6682	TT	AA	1940492465
SNP_P1_232876_9231	NW_004516681.1	Scaffold1488	9231	CC	AA	1940492466
SNP_P1_232877_9367	NW_004516681.1	Scaffold1488	9367	AA	TT	1940492467
SNP_P1_232879_636	NW_004516683.1	Scaffold1490	636	AA	TT	1940492468
SNP_P1_232880_638	NW_004516683.1	Scaffold1490	638	CC	AA	1940492469
SNP_P1_232881_650	NW_004516683.1	Scaffold1490	650	GG	CC	1940492470
SNP_P1_232882_668	NW_004516683.1	Scaffold1490	668	GG	CC	1940492471
SNP_P1_232883_687	NW_004516683.1	Scaffold1490	687	TT	AA	1940492472
SNP_P1_232884_702	NW_004516683.1	Scaffold1490	702	CC	AA	1940492473
SNP_P1_232885_730	NW_004516683.1	Scaffold1490	730	CC	TT	1940492474
SNP_P1_232886_766	NW_004516683.1	Scaffold1490	766	GG	TT	1940492475
SNP_P1_232887_784	NW_004516683.1	Scaffold1490	784	AA	TT	1940492476
SNP_P1_232888_791	NW_004516683.1	Scaffold1490	791	AA	TT	1940492477
SNP_P1_232889_843	NW_004516683.1	Scaffold1490	843	AA	CC	1940492478
SNP_P1_232890_853	NW_004516683.1	Scaffold1490	853	TT	AA	1940492479
SNP_P1_232891_915	NW_004516683.1	Scaffold1490	915	GG	AA	1940492480
SNP_P1_232892_918	NW_004516683.1	Scaffold1490	918	TT	GG	1940492481
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SNP_P1_232894_938	NW_004516683.1	Scaffold1490	938	CC	AA	1940492483
SNP_P1_232895_968	NW_004516683.1	Scaffold1490	968	GG	AA	1940492484
SNP_P1_232896_973	NW_004516683.1	Scaffold1490	973	CC	AA	1940492485
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SNP_P1_232898_1009	NW_004516683.1	Scaffold1490	1009	GG	AA	1940492487
SNP_P1_232899_1048	NW_004516683.1	Scaffold1490	1048	TT	CC	1940492488
SNP_P1_232900_1141	NW_004516683.1	Scaffold1490	1141	AA	CC	1940492489
SNP_P1_232901_1151	NW_004516683.1	Scaffold1490	1151	AA	GG	1940492490
SNP_P1_232902_1158	NW_004516683.1	Scaffold1490	1158	GG	AA	1940492491
SNP_P1_232903_1229	NW_004516683.1	Scaffold1490	1229	GG	CC	1940492492
SNP_P1_232905_1296	NW_004516683.1	Scaffold1490	1296	TT	CC	1940492493
SNP_P1_232906_1431	NW_004516683.1	Scaffold1490	1431	AA	TT	1940492494
SNP_P1_232907_1450	NW_004516683.1	Scaffold1490	1450	AA	GG	1940492495
SNP_P1_232908_1461	NW_004516683.1	Scaffold1490	1461	GG	AA	1940492496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_232909_1987	NW_004516683.1	Scaffold1490	1987	TT	CC	1940492497
SNP_P1_232910_9803	NW_004516683.1	Scaffold1490	9803	GG	TT	1940492498
SNP_P1_232911_10713	NW_004516683.1	Scaffold1490	10713	TT	GG	1940492499
SNP_P1_232912_10831	NW_004516683.1	Scaffold1490	10831	GG	CC	1940492500
SNP_P1_232913_12154	NW_004516683.1	Scaffold1490	12154	AA	TT	1940492501
SNP_P1_232914_12176	NW_004516683.1	Scaffold1490	12176	TT	GG	1940492502
SNP_P1_232915_12177	NW_004516683.1	Scaffold1490	12177	TT	AA	1940492503
SNP_P1_232916_12188	NW_004516683.1	Scaffold1490	12188	AA	CC	1940492504
SNP_P1_232917_12198	NW_004516683.1	Scaffold1490	12198	AA	CC	1940492505
SNP_P1_232918_14257	NW_004516683.1	Scaffold1490	14257	AA	CC	1940492506
SNP_P1_232919_14323	NW_004516683.1	Scaffold1490	14323	AA	TT	1940492507
SNP_P1_232920_14329	NW_004516683.1	Scaffold1490	14329	GG	TT	1940492508
SNP_P1_232921_14336	NW_004516683.1	Scaffold1490	14336	TT	GG	1940492509
SNP_P1_232922_14357	NW_004516683.1	Scaffold1490	14357	AA	CC	1940492510
SNP_P1_232923_14397	NW_004516683.1	Scaffold1490	14397	AA	GG	1940492511
SNP_P1_232924_14417	NW_004516683.1	Scaffold1490	14417	AA	CC	1940492512
SNP_P1_232925_16398	NW_004516683.1	Scaffold1490	16398	AA	CC	1940492513
SNP_P1_232926_46088	NW_004516683.1	Scaffold1490	46088	GG	AA	1940492514
SNP_P1_232927_62551	NW_004516683.1	Scaffold1490	62551	GG	TT	1940492515
SNP_P1_232928_62600	NW_004516683.1	Scaffold1490	62600	AA	GG	1940492516
SNP_P1_232929_62605	NW_004516683.1	Scaffold1490	62605	AA	GG	1940492517
SNP_P1_232930_66615	NW_004516683.1	Scaffold1490	66615	AA	GG	1940492518
SNP_P1_232931_72930	NW_004516683.1	Scaffold1490	72930	CC	TT	1940492519
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SNP_P1_232933_73256	NW_004516683.1	Scaffold1490	73256	TT	CC	1940492521
SNP_P1_232934_73262	NW_004516683.1	Scaffold1490	73262	TT	AA	1940492522
SNP_P1_232935_73324	NW_004516683.1	Scaffold1490	73324	CC	GG	1940492523
SNP_P1_232936_73676	NW_004516683.1	Scaffold1490	73676	GG	AA	1940492524
SNP_P1_232937_73690	NW_004516683.1	Scaffold1490	73690	TT	CC	1940492525
SNP_P1_232938_73691	NW_004516683.1	Scaffold1490	73691	CC	TT	1940492526
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SNP_P1_232940_73971	NW_004516683.1	Scaffold1490	73971	GG	AA	1940492528
SNP_P1_232941_74028	NW_004516683.1	Scaffold1490	74028	TT	CC	1940492529
SNP_P1_232942_74168	NW_004516683.1	Scaffold1490	74168	AA	GG	1940492530
SNP_P1_232943_74169	NW_004516683.1	Scaffold1490	74169	AA	CC	1940492531
SNP_P1_232945_74312	NW_004516683.1	Scaffold1490	74312	TT	AA	1940492532
SNP_P1_232946_74318	NW_004516683.1	Scaffold1490	74318	TT	CC	1940492533
SNP_P1_232947_74324	NW_004516683.1	Scaffold1490	74324	AA	GG	1940492534
SNP_P1_232948_74327	NW_004516683.1	Scaffold1490	74327	GG	TT	1940492535
SNP_P1_232949_74333	NW_004516683.1	Scaffold1490	74333	GG	AA	1940492536
SNP_P1_232950_74360	NW_004516683.1	Scaffold1490	74360	TT	CC	1940492537
SNP_P1_232951_74377	NW_004516683.1	Scaffold1490	74377	TT	CC	1940492538

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_232953_74451	NW_004516683.1	Scaffold1490	74451	TT	CC	1940492540
SNP_P1_232954_74458	NW_004516683.1	Scaffold1490	74458	GG	TT	1940492541
SNP_P1_232955_74649	NW_004516683.1	Scaffold1490	74649	AA	GG	1940492542
SNP_P1_232956_74679	NW_004516683.1	Scaffold1490	74679	TT	CC	1940492543
SNP_P1_232957_78012	NW_004516683.1	Scaffold1490	78012	CC	TT	1940492544
SNP_P1_232958_78035	NW_004516683.1	Scaffold1490	78035	TT	CC	1940492545
SNP_P1_232959_78036	NW_004516683.1	Scaffold1490	78036	TT	CC	1940492546
SNP_P1_232960_78057	NW_004516683.1	Scaffold1490	78057	GG	AA	1940492547
SNP_P1_232961_78070	NW_004516683.1	Scaffold1490	78070	TT	GG	1940492548
SNP_P1_232962_78338	NW_004516683.1	Scaffold1490	78338	CC	TT	1940492549
SNP_P1_232963_78347	NW_004516683.1	Scaffold1490	78347	GG	AA	1940492550
SNP_P1_232964_78410	NW_004516683.1	Scaffold1490	78410	AA	GG	1940492552
SNP_P1_232965_79586	NW_004516683.1	Scaffold1490	79586	AA	GG	1940492553
SNP_P1_232966_79619	NW_004516683.1	Scaffold1490	79619	AA	GG	1940492554
SNP_P1_232967_84101	NW_004516683.1	Scaffold1490	84101	AA	CC	1940492555
SNP_P1_232968_88533	NW_004516683.1	Scaffold1490	88533	TT	AA	1940492556
SNP_P1_232969_88547	NW_004516683.1	Scaffold1490	88547	AA	TT	1940492557
SNP_P1_232970_88550	NW_004516683.1	Scaffold1490	88550	TT	GG	1940492558
SNP_P1_232971_88551	NW_004516683.1	Scaffold1490	88551	GG	TT	1940492559
SNP_P1_232972_88553	NW_004516683.1	Scaffold1490	88553	AA	CC	1940492560
SNP_P1_232973_88577	NW_004516683.1	Scaffold1490	88577	GG	TT	1940492561
SNP_P1_232974_112445	NW_004516683.1	Scaffold1490	112445	GG	AA	1940492562
SNP_P1_232975_119402	NW_004516683.1	Scaffold1490	119402	AA	GG	1940492563
SNP_P1_232976_479	NW_004516684.1	Scaffold1491	479	AA	CC	1940492564
SNP_P1_232977_500	NW_004516684.1	Scaffold1491	500	CC	AA	1940492565
SNP_P1_232978_535	NW_004516684.1	Scaffold1491	535	GG	CC	1940492566
SNP_P1_232979_545	NW_004516684.1	Scaffold1491	545	GG	AA	1940492567
SNP_P1_232980_571	NW_004516684.1	Scaffold1491	571	TT	GG	1940492568
SNP_P1_232981_602	NW_004516684.1	Scaffold1491	602	CC	TT	1940492569
SNP_P1_232982_625	NW_004516684.1	Scaffold1491	625	GG	CC	1940492570
SNP_P1_232984_519	NW_004516685.1	Scaffold1492	519	AA	GG	1940492571
SNP_P1_232985_521	NW_004516685.1	Scaffold1492	521	AA	TT	1940492572
SNP_P1_232986_287	NW_004516686.1	Scaffold1493	287	AA	TT	1940492573
SNP_P1_232987_289	NW_004516686.1	Scaffold1493	289	CC	TT	1940492574
SNP_P1_232988_308	NW_004516686.1	Scaffold1493	308	GG	CC	1940492575
SNP_P1_232989_353	NW_004516686.1	Scaffold1493	353	CC	AA	1940492576
SNP_P1_232990_382	NW_004516686.1	Scaffold1493	382	CC	TT	1940492577
SNP_P1_232991_1669	NW_004516686.1	Scaffold1493	1669	TT	GG	1940492578
SNP_P1_232992_2052	NW_004516686.1	Scaffold1493	2052	AA	GG	1940492579
SNP_P1_232993_2064	NW_004516686.1	Scaffold1493	2064	AA	TT	1940492580
SNP_P1_232994_2174	NW_004516686.1	Scaffold1493	2174	GG	AA	1940492581

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_232995_2217	NW_004516686.1	Scaffold1493	2217	CC	TT	1940492582
SNP_P1_232996_2349	NW_004516686.1	Scaffold1493	2349	GG	AA	1940492583
SNP_P1_232997_2355	NW_004516686.1	Scaffold1493	2355	AA	GG	1940492584
SNP_P1_232998_2484	NW_004516686.1	Scaffold1493	2484	CC	AA	1940492585
SNP_P1_232999_2729	NW_004516686.1	Scaffold1493	2729	AA	TT	1940492586
SNP_P1_233000_2827	NW_004516686.1	Scaffold1493	2827	GG	CC	1940492587
SNP_P1_233001_2843	NW_004516686.1	Scaffold1493	2843	AA	GG	1940492588
SNP_P1_233002_3262	NW_004516686.1	Scaffold1493	3262	CC	AA	1940492589
SNP_P1_233003_3264	NW_004516686.1	Scaffold1493	3264	AA	TT	1940492590
SNP_P1_233004_3363	NW_004516686.1	Scaffold1493	3363	AA	GG	1940492591
SNP_P1_233005_3434	NW_004516686.1	Scaffold1493	3434	AA	GG	1940492592
SNP_P1_233006_3508	NW_004516686.1	Scaffold1493	3508	TT	CC	1940492593
SNP_P1_233007_3609	NW_004516686.1	Scaffold1493	3609	TT	AA	1940492594
SNP_P1_233008_5093	NW_004516686.1	Scaffold1493	5093	GG	CC	1940492595
SNP_P1_233009_5870	NW_004516686.1	Scaffold1493	5870	TT	AA	1940492596
SNP_P1_233010_12493	NW_004516686.1	Scaffold1493	12493	AA	GG	1940492597
SNP_P1_233011_12695	NW_004516686.1	Scaffold1493	12695	TT	CC	1940492598
SNP_P1_233012_12722	NW_004516686.1	Scaffold1493	12722	TT	AA	1940492599
SNP_P1_233013_12785	NW_004516686.1	Scaffold1493	12785	TT	CC	1940492600
SNP_P1_233014_12793	NW_004516686.1	Scaffold1493	12793	AA	GG	1940492601
SNP_P1_233015_16385	NW_004516686.1	Scaffold1493	16385	TT	CC	1940492602
SNP_P1_233017_24987	NW_004516686.1	Scaffold1493	24987	TT	AA	1940492603
SNP_P1_233018_30757	NW_004516686.1	Scaffold1493	30757	GG	AA	1940492604
SNP_P1_233019_34739	NW_004516686.1	Scaffold1493	34739	GG	AA	1940492605
SNP_P1_233020_34874	NW_004516686.1	Scaffold1493	34874	CC	TT	1940492606
SNP_P1_233021_34897	NW_004516686.1	Scaffold1493	34897	AA	GG	1940492607
SNP_P1_233022_34907	NW_004516686.1	Scaffold1493	34907	GG	AA	1940492608
SNP_P1_233023_34913	NW_004516686.1	Scaffold1493	34913	TT	CC	1940492609
SNP_P1_233024_34922	NW_004516686.1	Scaffold1493	34922	AA	TT	1940492610
SNP_P1_233025_35089	NW_004516686.1	Scaffold1493	35089	CC	TT	1940492611
SNP_P1_233026_35092	NW_004516686.1	Scaffold1493	35092	TT	CC	1940492612
SNP_P1_233027_38511	NW_004516686.1	Scaffold1493	38511	CC	GG	1940492613
SNP_P1_233028_56103	NW_004516686.1	Scaffold1493	56103	TT	AA	1940492614
SNP_P1_233029_56108	NW_004516686.1	Scaffold1493	56108	AA	GG	1940492615
SNP_P1_233030_56118	NW_004516686.1	Scaffold1493	56118	AA	GG	1940492616
SNP_P1_233031_56149	NW_004516686.1	Scaffold1493	56149	AA	GG	1940492617
SNP_P1_233032_56157	NW_004516686.1	Scaffold1493	56157	TT	CC	1940492618
SNP_P1_233033_56162	NW_004516686.1	Scaffold1493	56162	TT	CC	1940492619
SNP_P1_233034_56172	NW_004516686.1	Scaffold1493	56172	GG	TT	1940492620
SNP_P1_233035_56419	NW_004516686.1	Scaffold1493	56419	TT	CC	1940492621
SNP_P1_233036_56420	NW_004516686.1	Scaffold1493	56420	GG	AA	1940492622
SNP_P1_233037_56522	NW_004516686.1	Scaffold1493	56522	GG	AA	1940492623

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233040_65521	NW_004516686.1	Scaffold1493	65521	CC	AA	1940492625
SNP_P1_233041_65594	NW_004516686.1	Scaffold1493	65594	TT	CC	1940492626
SNP_P1_233042_65676	NW_004516686.1	Scaffold1493	65676	TT	AA	1940492627
SNP_P1_233043_65684	NW_004516686.1	Scaffold1493	65684	TT	GG	1940492628
SNP_P1_233044_65697	NW_004516686.1	Scaffold1493	65697	CC	TT	1940492629
SNP_P1_233045_65699	NW_004516686.1	Scaffold1493	65699	AA	CC	1940492630
SNP_P1_233046_65719	NW_004516686.1	Scaffold1493	65719	AA	GG	1940492631
SNP_P1_233047_65786	NW_004516686.1	Scaffold1493	65786	CC	TT	1940492632
SNP_P1_233048_65794	NW_004516686.1	Scaffold1493	65794	AA	TT	1940492633
SNP_P1_233049_65828	NW_004516686.1	Scaffold1493	65828	CC	TT	1940492634
SNP_P1_233050_65839	NW_004516686.1	Scaffold1493	65839	GG	TT	1940492635
SNP_P1_233051_65853	NW_004516686.1	Scaffold1493	65853	CC	TT	1940492636
SNP_P1_233052_65882	NW_004516686.1	Scaffold1493	65882	GG	CC	1940492637
SNP_P1_233053_65917	NW_004516686.1	Scaffold1493	65917	TT	CC	1940492638
SNP_P1_233054_66126	NW_004516686.1	Scaffold1493	66126	TT	CC	1940492639
SNP_P1_233055_66157	NW_004516686.1	Scaffold1493	66157	CC	GG	1940492640
SNP_P1_233056_85010	NW_004516686.1	Scaffold1493	85010	TT	CC	1940492641
SNP_P1_233057_85017	NW_004516686.1	Scaffold1493	85017	TT	CC	1940492642
SNP_P1_233058_85049	NW_004516686.1	Scaffold1493	85049	TT	CC	1940492643
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SNP_P1_233060_85114	NW_004516686.1	Scaffold1493	85114	GG	AA	1940492645
SNP_P1_233061_85145	NW_004516686.1	Scaffold1493	85145	AA	GG	1940492646
SNP_P1_233062_85210	NW_004516686.1	Scaffold1493	85210	TT	GG	1940492647
SNP_P1_233063_85230	NW_004516686.1	Scaffold1493	85230	GG	AA	1940492648
SNP_P1_233064_85231	NW_004516686.1	Scaffold1493	85231	CC	TT	1940492649
SNP_P1_233065_85234	NW_004516686.1	Scaffold1493	85234	CC	TT	1940492650
SNP_P1_233066_85347	NW_004516686.1	Scaffold1493	85347	TT	CC	1940492651
SNP_P1_233067_85373	NW_004516686.1	Scaffold1493	85373	TT	CC	1940492652
SNP_P1_233068_85401	NW_004516686.1	Scaffold1493	85401	GG	AA	1940492653
SNP_P1_233069_85428	NW_004516686.1	Scaffold1493	85428	CC	TT	1940492654
SNP_P1_233070_85431	NW_004516686.1	Scaffold1493	85431	GG	AA	1940492655
SNP_P1_233071_85451	NW_004516686.1	Scaffold1493	85451	CC	TT	1940492656
SNP_P1_233072_88721	NW_004516686.1	Scaffold1493	88721	TT	CC	1940492657
SNP_P1_233073_89527	NW_004516686.1	Scaffold1493	89527	TT	CC	1940492658
SNP_P1_233074_89537	NW_004516686.1	Scaffold1493	89537	AA	GG	1940492659
SNP_P1_233075_89552	NW_004516686.1	Scaffold1493	89552	TT	AA	1940492660
SNP_P1_233076_89577	NW_004516686.1	Scaffold1493	89577	CC	AA	1940492661
SNP_P1_233077_89579	NW_004516686.1	Scaffold1493	89579	AA	CC	1940492662
SNP_P1_233078_89830	NW_004516686.1	Scaffold1493	89830	TT	CC	1940492663
SNP_P1_233079_89852	NW_004516686.1	Scaffold1493	89852	GG	AA	1940492664
SNP_P1_233080_6446	NW_004516689.1	Scaffold1496	6446	GG	TT	1940492665

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_233081_6447	NW_004516689.1	Scaffold1496	6447	TT	GG	1940492666
SNP_P1_233082_11765	NW_004516689.1	Scaffold1496	11765	CC	GG	1940492667
SNP_P1_233083_13168	NW_004516689.1	Scaffold1496	13168	CC	TT	1940492668
SNP_P1_233084_13170	NW_004516689.1	Scaffold1496	13170	AA	GG	1940492669
SNP_P1_233085_13176	NW_004516689.1	Scaffold1496	13176	TT	CC	1940492670
SNP_P1_233086_13182	NW_004516689.1	Scaffold1496	13182	CC	TT	1940492671
SNP_P1_233087_13183	NW_004516689.1	Scaffold1496	13183	AA	GG	1940492672
SNP_P1_233088_18543	NW_004516689.1	Scaffold1496	18543	AA	GG	1940492673
SNP_P1_233089_21174	NW_004516689.1	Scaffold1496	21174	TT	CC	1940492674
SNP_P1_233090_21186	NW_004516689.1	Scaffold1496	21186	TT	CC	1940492675
SNP_P1_233091_21426	NW_004516689.1	Scaffold1496	21426	TT	AA	1940492676
SNP_P1_233092_21476	NW_004516689.1	Scaffold1496	21476	TT	AA	1940492677
SNP_P1_233093_21482	NW_004516689.1	Scaffold1496	21482	TT	AA	1940492678
SNP_P1_233094_21507	NW_004516689.1	Scaffold1496	21507	TT	CC	1940492679
SNP_P1_233095_31008	NW_004516689.1	Scaffold1496	31008	CC	TT	1940492680
SNP_P1_233096_45118	NW_004516689.1	Scaffold1496	45118	CC	TT	1940492681
SNP_P1_233097_48980	NW_004516689.1	Scaffold1496	48980	AA	GG	1940492682
SNP_P1_233099_53996	NW_004516689.1	Scaffold1496	53996	GG	CC	1940492684
SNP_P1_233101_55648	NW_004516689.1	Scaffold1496	55648	TT	CC	1940492685
SNP_P1_233102_74005	NW_004516689.1	Scaffold1496	74005	TT	CC	1940492686
SNP_P1_233103_77660	NW_004516689.1	Scaffold1496	77660	CC	TT	1940492687
SNP_P1_233104_81345	NW_004516689.1	Scaffold1496	81345	CC	TT	1940492688
SNP_P1_233106_88686	NW_004516689.1	Scaffold1496	88686	TT	CC	1940492689
SNP_P1_233108_109053	NW_004516689.1	Scaffold1496	109053	AA	GG	1940492690
SNP_P1_233109_120758	NW_004516689.1	Scaffold1496	120758	AA	GG	1940492691
SNP_P1_233110_120765	NW_004516689.1	Scaffold1496	120765	TT	AA	1940492692
SNP_P1_233111_120936	NW_004516689.1	Scaffold1496	120936	TT	CC	1940492693
SNP_P1_233112_121099	NW_004516689.1	Scaffold1496	121099	TT	CC	1940492694
SNP_P1_233113_122594	NW_004516689.1	Scaffold1496	122594	AA	CC	1940492695
SNP_P1_233114_123085	NW_004516689.1	Scaffold1496	123085	AA	CC	1940492696
SNP_P1_233115_123117	NW_004516689.1	Scaffold1496	123117	CC	TT	1940492697
SNP_P1_233116_123207	NW_004516689.1	Scaffold1496	123207	AA	GG	1940492698
SNP_P1_233117_123208	NW_004516689.1	Scaffold1496	123208	CC	TT	1940492699
SNP_P1_233118_123209	NW_004516689.1	Scaffold1496	123209	AA	CC	1940492700
SNP_P1_233119_123291	NW_004516689.1	Scaffold1496	123291	GG	AA	1940492701
SNP_P1_233120_123325	NW_004516689.1	Scaffold1496	123325	CC	TT	1940492702
SNP_P1_233121_123396	NW_004516689.1	Scaffold1496	123396	CC	TT	1940492703
SNP_P1_233122_123399	NW_004516689.1	Scaffold1496	123399	GG	AA	1940492704
SNP_P1_233123_123427	NW_004516689.1	Scaffold1496	123427	GG	AA	1940492705
SNP_P1_233125_123446	NW_004516689.1	Scaffold1496	123446	AA	GG	1940492706
SNP_P1_233126_123503	NW_004516689.1	Scaffold1496	123503	GG	AA	1940492707
SNP_P1_233127_123513	NW_004516689.1	Scaffold1496	123513	TT	CC	1940492708

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233130_138891	NW_004516689.1	Scaffold1496	138891	AA	TT	1940492710
SNP_P1_233131_147530	NW_004516689.1	Scaffold1496	147530	GG	AA	1940492711
SNP_P1_233132_147592	NW_004516689.1	Scaffold1496	147592	TT	CC	1940492712
SNP_P1_233133_160574	NW_004516689.1	Scaffold1496	160574	GG	AA	1940492713
SNP_P1_233134_173822	NW_004516689.1	Scaffold1496	173822	GG	CC	1940492714
SNP_P1_233135_178058	NW_004516689.1	Scaffold1496	178058	GG	TT	1940492715
SNP_P1_233137_185651	NW_004516689.1	Scaffold1496	185651	CC	TT	1940492716
SNP_P1_233138_189242	NW_004516689.1	Scaffold1496	189242	CC	TT	1940492717
SNP_P1_233139_193841	NW_004516689.1	Scaffold1496	193841	TT	GG	1940492718
SNP_P1_233140_197499	NW_004516689.1	Scaffold1496	197499	AA	CC	1940492719
SNP_P1_233141_200952	NW_004516689.1	Scaffold1496	200952	CC	TT	1940492720
SNP_P1_233142_202769	NW_004516689.1	Scaffold1496	202769	AA	GG	1940492721
SNP_P1_233144_209095	NW_004516689.1	Scaffold1496	209095	CC	GG	1940492722
SNP_P1_233145_210010	NW_004516689.1	Scaffold1496	210010	AA	TT	1940492723
SNP_P1_233146_213400	NW_004516689.1	Scaffold1496	213400	CC	AA	1940492724
SNP_P1_233147_214465	NW_004516689.1	Scaffold1496	214465	TT	GG	1940492725
SNP_P1_233148_215617	NW_004516689.1	Scaffold1496	215617	GG	AA	1940492726
SNP_P1_233149_217115	NW_004516689.1	Scaffold1496	217115	CC	AA	1940492727
SNP_P1_233150_231886	NW_004516689.1	Scaffold1496	231886	CC	AA	1940492728
SNP_P1_233151_233375	NW_004516689.1	Scaffold1496	233375	TT	CC	1940492729
SNP_P1_233153_234298	NW_004516689.1	Scaffold1496	234298	AA	GG	1940492730
SNP_P1_233156_238797	NW_004516689.1	Scaffold1496	238797	CC	TT	1940492731
SNP_P1_233157_238913	NW_004516689.1	Scaffold1496	238913	CC	TT	1940492732
SNP_P1_233158_246576	NW_004516689.1	Scaffold1496	246576	GG	AA	1940492733
SNP_P1_233159_246898	NW_004516689.1	Scaffold1496	246898	CC	AA	1940492734
SNP_P1_233160_247630	NW_004516689.1	Scaffold1496	247630	GG	AA	1940492735
SNP_P1_233161_252632	NW_004516689.1	Scaffold1496	252632	AA	TT	1940492736
SNP_P1_233162_252720	NW_004516689.1	Scaffold1496	252720	CC	AA	1940492737
SNP_P1_233163_252931	NW_004516689.1	Scaffold1496	252931	AA	GG	1940492738
SNP_P1_233164_254260	NW_004516689.1	Scaffold1496	254260	CC	GG	1940492739
SNP_P1_233165_269540	NW_004516689.1	Scaffold1496	269540	CC	GG	1940492740
SNP_P1_233166_269957	NW_004516689.1	Scaffold1496	269957	GG	AA	1940492741
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SNP_P1_233168_275820	NW_004516689.1	Scaffold1496	275820	TT	CC	1940492743
SNP_P1_233169_276391	NW_004516689.1	Scaffold1496	276391	GG	AA	1940492744
SNP_P1_233170_278252	NW_004516689.1	Scaffold1496	278252	TT	CC	1940492745
SNP_P1_233171_280558	NW_004516689.1	Scaffold1496	280558	CC	TT	1940492746
SNP_P1_233172_285343	NW_004516689.1	Scaffold1496	285343	GG	AA	1940492747
SNP_P1_233173_285554	NW_004516689.1	Scaffold1496	285554	GG	AA	1940492748
SNP_P1_233174_285645	NW_004516689.1	Scaffold1496	285645	GG	AA	1940492749
SNP_P1_233175_286202	NW_004516689.1	Scaffold1496	286202	GG	AA	1940492750

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233177_288407	NW_004516689.1	Scaffold1496	288407	CC	TT	1940492752
SNP_P1_233178_289997	NW_004516689.1	Scaffold1496	289997	GG	TT	1940492753
SNP_P1_233179_291111	NW_004516689.1	Scaffold1496	291111	GG	TT	1940492754
SNP_P1_233180_291829	NW_004516689.1	Scaffold1496	291829	CC	GG	1940492755
SNP_P1_233182_292829	NW_004516689.1	Scaffold1496	292829	GG	AA	1940492756
SNP_P1_233183_301288	NW_004516689.1	Scaffold1496	301288	CC	AA	1940492757
SNP_P1_233184_305593	NW_004516689.1	Scaffold1496	305593	AA	TT	1940492758
SNP_P1_233186_308941	NW_004516689.1	Scaffold1496	308941	AA	GG	1940492759
SNP_P1_233187_1834	NW_004516690.1	Scaffold1497	1834	CC	TT	1940492760
SNP_P1_233188_3238	NW_004516690.1	Scaffold1497	3238	TT	CC	1940492761
SNP_P1_233189_3538	NW_004516690.1	Scaffold1497	3538	TT	CC	1940492762
SNP_P1_233190_3970	NW_004516690.1	Scaffold1497	3970	AA	GG	1940492763
SNP_P1_233191_4127	NW_004516690.1	Scaffold1497	4127	CC	TT	1940492764
SNP_P1_233192_4152	NW_004516690.1	Scaffold1497	4152	AA	TT	1940492765
SNP_P1_233193_4231	NW_004516690.1	Scaffold1497	4231	TT	CC	1940492766
SNP_P1_233194_4247	NW_004516690.1	Scaffold1497	4247	TT	AA	1940492767
SNP_P1_233195_4534	NW_004516690.1	Scaffold1497	4534	CC	TT	1940492768
SNP_P1_233196_406	NW_004516691.1	Scaffold1498	406	CC	TT	1940492769
SNP_P1_233197_416	NW_004516691.1	Scaffold1498	416	CC	TT	1940492770
SNP_P1_233198_1648	NW_004516691.1	Scaffold1498	1648	CC	TT	1940492771
SNP_P1_233199_1844	NW_004516691.1	Scaffold1498	1844	CC	TT	1940492772
SNP_P1_233200_2082	NW_004516691.1	Scaffold1498	2082	CC	TT	1940492773
SNP_P1_233201_2316	NW_004516691.1	Scaffold1498	2316	GG	AA	1940492774
SNP_P1_233202_4014	NW_004516691.1	Scaffold1498	4014	GG	AA	1940492775
SNP_P1_233203_4404	NW_004516691.1	Scaffold1498	4404	GG	AA	1940492776
SNP_P1_233204_4430	NW_004516691.1	Scaffold1498	4430	TT	CC	1940492777
SNP_P1_233205_4505	NW_004516691.1	Scaffold1498	4505	GG	TT	1940492778
SNP_P1_233206_4691	NW_004516691.1	Scaffold1498	4691	TT	CC	1940492779
SNP_P1_233207_262	NW_004516692.1	Scaffold1499	262	AA	GG	1940492780
SNP_P1_233208_317	NW_004516692.1	Scaffold1499	317	TT	GG	1940492781
SNP_P1_233209_592	NW_004516692.1	Scaffold1499	592	CC	AA	1940492782
SNP_P1_233210_867	NW_004516692.1	Scaffold1499	867	GG	CC	1940492783
SNP_P1_233212_998	NW_004516692.1	Scaffold1499	998	TT	AA	1940492784
SNP_P1_233213_1244	NW_004516692.1	Scaffold1499	1244	TT	CC	1940492785
SNP_P1_233214_4445	NW_004516692.1	Scaffold1499	4445	AA	TT	1940492786
SNP_P1_233216_7710	NW_004516692.1	Scaffold1499	7710	AA	TT	1940492787
SNP_P1_233218_8725	NW_004516692.1	Scaffold1499	8725	AA	GG	1940492788
SNP_P1_233219_8756	NW_004516692.1	Scaffold1499	8756	GG	AA	1940492789
SNP_P1_233221_11267	NW_004516692.1	Scaffold1499	11267	TT	CC	1940492790
SNP_P1_233222_11639	NW_004516692.1	Scaffold1499	11639	TT	CC	1940492791
SNP_P1_233223_11641	NW_004516692.1	Scaffold1499	11641	TT	AA	1940492792

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233225_11668	NW_004516692.1	Scaffold1499	11668	GG	AA	1940492794
SNP_P1_233226_12172	NW_004516692.1	Scaffold1499	12172	CC	TT	1940492795
SNP_P1_233227_12190	NW_004516692.1	Scaffold1499	12190	AA	GG	1940492796
SNP_P1_233228_12255	NW_004516692.1	Scaffold1499	12255	TT	AA	1940492797
SNP_P1_233229_12388	NW_004516692.1	Scaffold1499	12388	CC	TT	1940492798
SNP_P1_233230_12504	NW_004516692.1	Scaffold1499	12504	CC	AA	1940492799
SNP_P1_233231_12519	NW_004516692.1	Scaffold1499	12519	GG	AA	1940492800
SNP_P1_233232_12520	NW_004516692.1	Scaffold1499	12520	CC	GG	1940492801
SNP_P1_233233_12551	NW_004516692.1	Scaffold1499	12551	CC	TT	1940492802
SNP_P1_233234_12642	NW_004516692.1	Scaffold1499	12642	TT	CC	1940492803
SNP_P1_233235_12656	NW_004516692.1	Scaffold1499	12656	CC	AA	1940492804
SNP_P1_233236_12693	NW_004516692.1	Scaffold1499	12693	CC	AA	1940492805
SNP_P1_233237_12742	NW_004516692.1	Scaffold1499	12742	CC	TT	1940492806
SNP_P1_233238_12781	NW_004516692.1	Scaffold1499	12781	CC	TT	1940492807
SNP_P1_233239_12992	NW_004516692.1	Scaffold1499	12992	TT	GG	1940492808
SNP_P1_233240_13167	NW_004516692.1	Scaffold1499	13167	AA	GG	1940492809
SNP_P1_233241_13539	NW_004516692.1	Scaffold1499	13539	AA	GG	1940492810
SNP_P1_233242_15815	NW_004516692.1	Scaffold1499	15815	GG	AA	1940492811
SNP_P1_233243_16534	NW_004516692.1	Scaffold1499	16534	TT	GG	1940492812
SNP_P1_233244_16890	NW_004516692.1	Scaffold1499	16890	GG	AA	1940492813
SNP_P1_233246_17160	NW_004516692.1	Scaffold1499	17160	TT	CC	1940492814
SNP_P1_233247_19340	NW_004516692.1	Scaffold1499	19340	AA	GG	1940492815
SNP_P1_233248_19438	NW_004516692.1	Scaffold1499	19438	TT	GG	1940492816
SNP_P1_233249_19501	NW_004516692.1	Scaffold1499	19501	TT	CC	1940492817
SNP_P1_233250_20504	NW_004516692.1	Scaffold1499	20504	CC	AA	1940492818
SNP_P1_233252_21189	NW_004516692.1	Scaffold1499	21189	TT	GG	1940492819
SNP_P1_233253_23939	NW_004516692.1	Scaffold1499	23939	CC	GG	1940492820
SNP_P1_233254_24006	NW_004516692.1	Scaffold1499	24006	TT	CC	1940492822
SNP_P1_233255_24878	NW_004516692.1	Scaffold1499	24878	GG	AA	1940492823
SNP_P1_233256_25288	NW_004516692.1	Scaffold1499	25288	GG	CC	1940492824
SNP_P1_233257_27870	NW_004516692.1	Scaffold1499	27870	TT	CC	1940492825
SNP_P1_233258_27969	NW_004516692.1	Scaffold1499	27969	TT	GG	1940492826
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SNP_P1_233261_29531	NW_004516692.1	Scaffold1499	29531	TT	CC	1940492829
SNP_P1_233262_29552	NW_004516692.1	Scaffold1499	29552	TT	CC	1940492830
SNP_P1_233263_29759	NW_004516692.1	Scaffold1499	29759	GG	CC	1940492831
SNP_P1_233264_29764	NW_004516692.1	Scaffold1499	29764	CC	TT	1940492832
SNP_P1_233265_29784	NW_004516692.1	Scaffold1499	29784	GG	CC	1940492833
SNP_P1_233266_29940	NW_004516692.1	Scaffold1499	29940	GG	AA	1940492834
SNP_P1_233267_29992	NW_004516692.1	Scaffold1499	29992	GG	AA	1940492835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233269_34107	NW_004516692.1	Scaffold1499	34107	TT	AA	1940492837
SNP_P1_233270_34115	NW_004516692.1	Scaffold1499	34115	GG	AA	1940492838
SNP_P1_233271_34163	NW_004516692.1	Scaffold1499	34163	AA	TT	1940492839
SNP_P1_233272_34169	NW_004516692.1	Scaffold1499	34169	CC	TT	1940492840
SNP_P1_233273_34181	NW_004516692.1	Scaffold1499	34181	AA	TT	1940492841
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SNP_P1_233275_34245	NW_004516692.1	Scaffold1499	34245	CC	AA	1940492843
SNP_P1_233276_34256	NW_004516692.1	Scaffold1499	34256	AA	GG	1940492844
SNP_P1_233277_34326	NW_004516692.1	Scaffold1499	34326	AA	CC	1940492845
SNP_P1_233278_34350	NW_004516692.1	Scaffold1499	34350	AA	TT	1940492846
SNP_P1_233279_34357	NW_004516692.1	Scaffold1499	34357	GG	TT	1940492847
SNP_P1_233280_34419	NW_004516692.1	Scaffold1499	34419	GG	AA	1940492848
SNP_P1_233281_34433	NW_004516692.1	Scaffold1499	34433	TT	AA	1940492849
SNP_P1_233282_34447	NW_004516692.1	Scaffold1499	34447	AA	GG	1940492850
SNP_P1_233283_34486	NW_004516692.1	Scaffold1499	34486	GG	TT	1940492851
SNP_P1_233284_34492	NW_004516692.1	Scaffold1499	34492	CC	TT	1940492852
SNP_P1_233285_34568	NW_004516692.1	Scaffold1499	34568	AA	TT	1940492853
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SNP_P1_233287_34648	NW_004516692.1	Scaffold1499	34648	CC	AA	1940492855
SNP_P1_233288_34664	NW_004516692.1	Scaffold1499	34664	TT	GG	1940492856
SNP_P1_233289_34682	NW_004516692.1	Scaffold1499	34682	CC	AA	1940492857
SNP_P1_233290_34819	NW_004516692.1	Scaffold1499	34819	AA	CC	1940492858
SNP_P1_233291_40154	NW_004516692.1	Scaffold1499	40154	CC	TT	1940492859
SNP_P1_233293_40244	NW_004516692.1	Scaffold1499	40244	TT	GG	1940492860
SNP_P1_233294_40356	NW_004516692.1	Scaffold1499	40356	CC	AA	1940492861
SNP_P1_233295_40365	NW_004516692.1	Scaffold1499	40365	CC	GG	1940492862
SNP_P1_233296_40373	NW_004516692.1	Scaffold1499	40373	CC	TT	1940492863
SNP_P1_233297_43327	NW_004516692.1	Scaffold1499	43327	CC	AA	1940492864
SNP_P1_233298_45951	NW_004516692.1	Scaffold1499	45951	CC	TT	1940492865
SNP_P1_233299_45962	NW_004516692.1	Scaffold1499	45962	CC	AA	1940492866
SNP_P1_233300_45969	NW_004516692.1	Scaffold1499	45969	CC	TT	1940492867
SNP_P1_233301_46042	NW_004516692.1	Scaffold1499	46042	AA	CC	1940492868
SNP_P1_233302_46207	NW_004516692.1	Scaffold1499	46207	TT	GG	1940492869
SNP_P1_233303_46233	NW_004516692.1	Scaffold1499	46233	GG	AA	1940492870
SNP_P1_233304_46241	NW_004516692.1	Scaffold1499	46241	CC	AA	1940492871
SNP_P1_233305_46315	NW_004516692.1	Scaffold1499	46315	GG	TT	1940492872
SNP_P1_233306_46320	NW_004516692.1	Scaffold1499	46320	AA	CC	1940492873
SNP_P1_233307_46514	NW_004516692.1	Scaffold1499	46514	AA	CC	1940492874
SNP_P1_233308_48537	NW_004516692.1	Scaffold1499	48537	GG	AA	1940492875
SNP_P1_233310_53668	NW_004516692.1	Scaffold1499	53668	CC	TT	1940492876
SNP_P1_233311_53866	NW_004516692.1	Scaffold1499	53866	CC	TT	1940492877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233313_54392	NW_004516692.1	Scaffold1499	54392	CC	TT	1940492879
SNP_P1_233314_55985	NW_004516692.1	Scaffold1499	55985	TT	GG	1940492880
SNP_P1_233315_56046	NW_004516692.1	Scaffold1499	56046	AA	GG	1940492881
SNP_P1_233316_56817	NW_004516692.1	Scaffold1499	56817	CC	TT	1940492882
SNP_P1_233317_58036	NW_004516692.1	Scaffold1499	58036	CC	TT	1940492883
SNP_P1_233318_59324	NW_004516692.1	Scaffold1499	59324	AA	GG	1940492884
SNP_P1_233319_60034	NW_004516692.1	Scaffold1499	60034	AA	GG	1940492885
SNP_P1_233320_61945	NW_004516692.1	Scaffold1499	61945	AA	TT	1940492886
SNP_P1_233322_63771	NW_004516692.1	Scaffold1499	63771	GG	CC	1940492887
SNP_P1_233323_68436	NW_004516692.1	Scaffold1499	68436	GG	AA	1940492888
SNP_P1_233324_68480	NW_004516692.1	Scaffold1499	68480	GG	AA	1940492889
SNP_P1_233325_69250	NW_004516692.1	Scaffold1499	69250	AA	TT	1940492890
SNP_P1_233326_70952	NW_004516692.1	Scaffold1499	70952	TT	AA	1940492891
SNP_P1_233327_72315	NW_004516692.1	Scaffold1499	72315	AA	CC	1940492892
SNP_P1_233329_72855	NW_004516692.1	Scaffold1499	72855	GG	CC	1940492893
SNP_P1_233331_74444	NW_004516692.1	Scaffold1499	74444	CC	TT	1940492894
SNP_P1_233333_77557	NW_004516692.1	Scaffold1499	77557	AA	TT	1940492895
SNP_P1_233334_79626	NW_004516692.1	Scaffold1499	79626	GG	AA	1940492896
SNP_P1_233337_87115	NW_004516692.1	Scaffold1499	87115	TT	AA	1940492897
SNP_P1_233338_94006	NW_004516692.1	Scaffold1499	94006	CC	TT	1940492898
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SNP_P1_233342_116182	NW_004516692.1	Scaffold1499	116182	GG	AA	1940492901
SNP_P1_233343_121228	NW_004516692.1	Scaffold1499	121228	AA	CC	1940492902
SNP_P1_233344_121316	NW_004516692.1	Scaffold1499	121316	TT	CC	1940492903
SNP_P1_233345_124413	NW_004516692.1	Scaffold1499	124413	AA	GG	1940492904
SNP_P1_233348_131149	NW_004516692.1	Scaffold1499	131149	TT	AA	1940492905
SNP_P1_233350_131709	NW_004516692.1	Scaffold1499	131709	CC	AA	1940492906
SNP_P1_233351_139155	NW_004516692.1	Scaffold1499	139155	TT	CC	1940492907
SNP_P1_233352_144140	NW_004516692.1	Scaffold1499	144140	GG	AA	1940492908
SNP_P1_233353_147916	NW_004516692.1	Scaffold1499	147916	GG	CC	1940492909
SNP_P1_233354_152510	NW_004516692.1	Scaffold1499	152510	TT	CC	1940492910
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SNP_P1_233356_154272	NW_004516692.1	Scaffold1499	154272	GG	AA	1940492912
SNP_P1_233357_161044	NW_004516692.1	Scaffold1499	161044	TT	CC	1940492913
SNP_P1_233358_214	NW_004516693.1	Scaffold1502	214	TT	CC	1940492914
SNP_P1_233359_727	NW_004516693.1	Scaffold1502	727	GG	AA	1940492915
SNP_P1_233360_815	NW_004516693.1	Scaffold1502	815	AA	TT	1940492916
SNP_P1_233362_1180	NW_004516693.1	Scaffold1502	1180	CC	GG	1940492917
SNP_P1_233363_1193	NW_004516693.1	Scaffold1502	1193	GG	TT	1940492918
SNP_P1_233364_1205	NW_004516693.1	Scaffold1502	1205	GG	AA	1940492919

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233366_1432	NW_004516693.1	Scaffold1502	1432	CC	AA	1940492921
SNP_P1_233367_1847	NW_004516693.1	Scaffold1502	1847	GG	CC	1940492922
SNP_P1_233368_1864	NW_004516693.1	Scaffold1502	1864	GG	CC	1940492923
SNP_P1_233369_2170	NW_004516693.1	Scaffold1502	2170	AA	GG	1940492924
SNP_P1_233370_2317	NW_004516693.1	Scaffold1502	2317	CC	TT	1940492925
SNP_P1_233371_2487	NW_004516693.1	Scaffold1502	2487	AA	CC	1940492926
SNP_P1_233372_2498	NW_004516693.1	Scaffold1502	2498	CC	TT	1940492927
SNP_P1_233373_10089	NW_004516694.1	Scaffold1504	10089	TT	CC	1940492928
SNP_P1_233374_10330	NW_004516694.1	Scaffold1504	10330	CC	TT	1940492929
SNP_P1_233375_10345	NW_004516694.1	Scaffold1504	10345	TT	GG	1940492930
SNP_P1_233376_10413	NW_004516694.1	Scaffold1504	10413	TT	CC	1940492931
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SNP_P1_233378_52802	NW_004516694.1	Scaffold1504	52802	CC	AA	1940492933
SNP_P1_233381_93866	NW_004516694.1	Scaffold1504	93866	TT	AA	1940492934
SNP_P1_233382_125578	NW_004516694.1	Scaffold1504	125578	CC	TT	1940492935
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SNP_P1_233395_161695	NW_004516694.1	Scaffold1504	161695	CC	AA	1940492947
SNP_P1_233396_167829	NW_004516694.1	Scaffold1504	167829	AA	GG	1940492948
SNP_P1_233397_167830	NW_004516694.1	Scaffold1504	167830	AA	GG	1940492949
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SNP_P1_233399_174106	NW_004516694.1	Scaffold1504	174106	GG	AA	1940492951
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SNP_P1_233404_182267	NW_004516694.1	Scaffold1504	182267	AA	CC	1940492956
SNP_P1_233405_182283	NW_004516694.1	Scaffold1504	182283	CC	TT	1940492957
SNP_P1_233406_182375	NW_004516694.1	Scaffold1504	182375	CC	AA	1940492958
SNP_P1_233407_182672	NW_004516694.1	Scaffold1504	182672	TT	AA	1940492959
SNP_P1_233408_182680	NW_004516694.1	Scaffold1504	182680	GG	TT	1940492960
SNP_P1_233409_182685	NW_004516694.1	Scaffold1504	182685	AA	TT	1940492961

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233413_182801	NW_004516694.1	Scaffold1504	182801	TT	CC	1940492965
SNP_P1_233414_191945	NW_004516694.1	Scaffold1504	191945	TT	GG	1940492966
SNP_P1_233415_194941	NW_004516694.1	Scaffold1504	194941	AA	GG	1940492967
SNP_P1_233416_194993	NW_004516694.1	Scaffold1504	194993	AA	GG	1940492968
SNP_P1_233417_195005	NW_004516694.1	Scaffold1504	195005	TT	CC	1940492969
SNP_P1_233418_195014	NW_004516694.1	Scaffold1504	195014	AA	GG	1940492970
SNP_P1_233419_195029	NW_004516694.1	Scaffold1504	195029	CC	TT	1940492971
SNP_P1_233420_195044	NW_004516694.1	Scaffold1504	195044	AA	GG	1940492972
SNP_P1_233421_198188	NW_004516694.1	Scaffold1504	198188	TT	AA	1940492973
SNP_P1_233422_198199	NW_004516694.1	Scaffold1504	198199	GG	AA	1940492974
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SNP_P1_233425_200374	NW_004516694.1	Scaffold1504	200374	CC	TT	1940492977
SNP_P1_233426_204759	NW_004516694.1	Scaffold1504	204759	AA	GG	1940492978
SNP_P1_233427_222674	NW_004516694.1	Scaffold1504	222674	TT	CC	1940492979
SNP_P1_233428_223120	NW_004516694.1	Scaffold1504	223120	AA	GG	1940492980
SNP_P1_233429_224698	NW_004516694.1	Scaffold1504	224698	CC	TT	1940492981
SNP_P1_233430_231010	NW_004516694.1	Scaffold1504	231010	GG	AA	1940492982
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SNP_P1_233432_240740	NW_004516694.1	Scaffold1504	240740	TT	GG	1940492984
SNP_P1_233433_240775	NW_004516694.1	Scaffold1504	240775	TT	GG	1940492985
SNP_P1_233434_240781	NW_004516694.1	Scaffold1504	240781	AA	GG	1940492986
SNP_P1_233435_240789	NW_004516694.1	Scaffold1504	240789	TT	CC	1940492987
SNP_P1_233436_240793	NW_004516694.1	Scaffold1504	240793	CC	TT	1940492988
SNP_P1_233437_240802	NW_004516694.1	Scaffold1504	240802	GG	CC	1940492989
SNP_P1_233438_241135	NW_004516694.1	Scaffold1504	241135	GG	AA	1940492990
SNP_P1_233439_241147	NW_004516694.1	Scaffold1504	241147	AA	GG	1940492991
SNP_P1_233440_241175	NW_004516694.1	Scaffold1504	241175	CC	TT	1940492992
SNP_P1_233441_241177	NW_004516694.1	Scaffold1504	241177	AA	GG	1940492993
SNP_P1_233442_241198	NW_004516694.1	Scaffold1504	241198	TT	CC	1940492994
SNP_P1_233443_241204	NW_004516694.1	Scaffold1504	241204	GG	AA	1940492995
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SNP_P1_233448_242893	NW_004516694.1	Scaffold1504	242893	GG	AA	1940493000
SNP_P1_233449_242914	NW_004516694.1	Scaffold1504	242914	GG	AA	1940493001
SNP_P1_233450_242922	NW_004516694.1	Scaffold1504	242922	GG	CC	1940493002
SNP_P1_233451_242962	NW_004516694.1	Scaffold1504	242962	GG	AA	1940493003
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233455_272582	NW_004516694.1	Scaffold1504	272582	TT	CC	1940493007
SNP_P1_233456_273784	NW_004516694.1	Scaffold1504	273784	CC	TT	1940493008
SNP_P1_233460_290723	NW_004516694.1	Scaffold1504	290723	GG	CC	1940493009
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SNP_P1_233462_297532	NW_004516694.1	Scaffold1504	297532	TT	CC	1940493011
SNP_P1_233463_313723	NW_004516694.1	Scaffold1504	313723	GG	AA	1940493012
SNP_P1_233464_313727	NW_004516694.1	Scaffold1504	313727	GG	AA	1940493013
SNP_P1_233465_313728	NW_004516694.1	Scaffold1504	313728	AA	GG	1940493014
SNP_P1_233466_316042	NW_004516694.1	Scaffold1504	316042	GG	TT	1940493015
SNP_P1_233467_318576	NW_004516694.1	Scaffold1504	318576	CC	AA	1940493016
SNP_P1_233468_318595	NW_004516694.1	Scaffold1504	318595	TT	CC	1940493017
SNP_P1_233469_318645	NW_004516694.1	Scaffold1504	318645	TT	CC	1940493018
SNP_P1_233471_318738	NW_004516694.1	Scaffold1504	318738	AA	CC	1940493019
SNP_P1_233472_318844	NW_004516694.1	Scaffold1504	318844	TT	AA	1940493020
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SNP_P1_233484_393044	NW_004516694.1	Scaffold1504	393044	CC	TT	1940493030
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SNP_P1_233493_18696	NW_004516695.1	Scaffold1505	18696	GG	AA	1940493038
SNP_P1_233494_5086	NW_004516696.1	Scaffold1506	5086	AA	TT	1940493039
SNP_P1_233495_5087	NW_004516696.1	Scaffold1506	5087	TT	CC	1940493040
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SNP_P1_233497_5316	NW_004516696.1	Scaffold1506	5316	TT	CC	1940493042
SNP_P1_233499_13969	NW_004516696.1	Scaffold1506	13969	TT	CC	1940493043
SNP_P1_233500_13971	NW_004516696.1	Scaffold1506	13971	CC	TT	1940493044
SNP_P1_233502_14013	NW_004516696.1	Scaffold1506	14013	AA	TT	1940493045
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233506_14288	NW_004516696.1	Scaffold1506	14288	TT	CC	1940493049
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SNP_P1_233508_35050	NW_004516696.1	Scaffold1506	35050	AA	CC	1940493051
SNP_P1_233511_70874	NW_004516696.1	Scaffold1506	70874	AA	TT	1940493052
SNP_P1_233512_71072	NW_004516696.1	Scaffold1506	71072	TT	AA	1940493053
SNP_P1_233513_71076	NW_004516696.1	Scaffold1506	71076	TT	CC	1940493054
SNP_P1_233514_103299	NW_004516696.1	Scaffold1506	103299	AA	GG	1940493055
SNP_P1_233515_103725	NW_004516696.1	Scaffold1506	103725	AA	CC	1940493056
SNP_P1_233516_103726	NW_004516696.1	Scaffold1506	103726	TT	AA	1940493057
SNP_P1_233517_103730	NW_004516696.1	Scaffold1506	103730	AA	CC	1940493058
SNP_P1_233518_103742	NW_004516696.1	Scaffold1506	103742	TT	CC	1940493059
SNP_P1_233519_103756	NW_004516696.1	Scaffold1506	103756	TT	CC	1940493060
SNP_P1_233520_111187	NW_004516696.1	Scaffold1506	111187	TT	GG	1940493061
SNP_P1_233522_169	NW_004516697.1	Scaffold1507	169	CC	GG	1940493062
SNP_P1_233523_233	NW_004516697.1	Scaffold1507	233	GG	CC	1940493063
SNP_P1_233524_30266	NW_004516697.1	Scaffold1507	30266	TT	GG	1940493064
SNP_P1_233525_30485	NW_004516697.1	Scaffold1507	30485	GG	AA	1940493065
SNP_P1_233526_30559	NW_004516697.1	Scaffold1507	30559	TT	GG	1940493066
SNP_P1_233527_30614	NW_004516697.1	Scaffold1507	30614	CC	AA	1940493067
SNP_P1_233528_30615	NW_004516697.1	Scaffold1507	30615	CC	TT	1940493068
SNP_P1_233529_30625	NW_004516697.1	Scaffold1507	30625	CC	TT	1940493069
SNP_P1_233530_30641	NW_004516697.1	Scaffold1507	30641	AA	GG	1940493070
SNP_P1_233532_30793	NW_004516697.1	Scaffold1507	30793	TT	AA	1940493071
SNP_P1_233533_16531	NW_004516698.1	Scaffold1508	16531	TT	CC	1940493072
SNP_P1_233534_16546	NW_004516698.1	Scaffold1508	16546	GG	AA	1940493073
SNP_P1_233535_17316	NW_004516698.1	Scaffold1508	17316	TT	CC	1940493074
SNP_P1_233536_17364	NW_004516698.1	Scaffold1508	17364	CC	TT	1940493075
SNP_P1_233537_19661	NW_004516698.1	Scaffold1508	19661	TT	GG	1940493076
SNP_P1_233538_25331	NW_004516698.1	Scaffold1508	25331	CC	AA	1940493077
SNP_P1_233539_25573	NW_004516698.1	Scaffold1508	25573	AA	GG	1940493078
SNP_P1_233540_25623	NW_004516698.1	Scaffold1508	25623	CC	TT	1940493079
SNP_P1_233541_25631	NW_004516698.1	Scaffold1508	25631	CC	TT	1940493080
SNP_P1_233542_25646	NW_004516698.1	Scaffold1508	25646	CC	TT	1940493081
SNP_P1_233543_25669	NW_004516698.1	Scaffold1508	25669	GG	AA	1940493082
SNP_P1_233544_51386	NW_004516698.1	Scaffold1508	51386	GG	TT	1940493083
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SNP_P1_233547_65221	NW_004516698.1	Scaffold1508	65221	AA	GG	1940493085
SNP_P1_233548_79617	NW_004516698.1	Scaffold1508	79617	TT	CC	1940493086
SNP_P1_233549_84625	NW_004516698.1	Scaffold1508	84625	TT	CC	1940493087
SNP_P1_233550_84725	NW_004516698.1	Scaffold1508	84725	CC	AA	1940493088

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233554_1095	NW_004516700.1	Scaffold1511	1095	GG	TT	1940493091
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SNP_P1_233556_1178	NW_004516700.1	Scaffold1511	1178	TT	GG	1940493093
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SNP_P1_233564_19199	NW_004516700.1	Scaffold1511	19199	AA	GG	1940493099
SNP_P1_233565_19202	NW_004516700.1	Scaffold1511	19202	AA	CC	1940493100
SNP_P1_233566_24718	NW_004516700.1	Scaffold1511	24718	CC	TT	1940493101
SNP_P1_233567_25076	NW_004516700.1	Scaffold1511	25076	AA	GG	1940493102
SNP_P1_233568_27234	NW_004516700.1	Scaffold1511	27234	TT	GG	1940493103
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SNP_P1_233570_30383	NW_004516700.1	Scaffold1511	30383	AA	GG	1940493105
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SNP_P1_233576_34289	NW_004516700.1	Scaffold1511	34289	CC	GG	1940493110
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SNP_P1_233578_34894	NW_004516700.1	Scaffold1511	34894	TT	GG	1940493112
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SNP_P1_233591_42121	NW_004516700.1	Scaffold1511	42121	AA	GG	1940493124
SNP_P1_233592_46537	NW_004516700.1	Scaffold1511	46537	TT	CC	1940493125
SNP_P1_233593_47331	NW_004516700.1	Scaffold1511	47331	CC	AA	1940493126
SNP_P1_233594_47816	NW_004516700.1	Scaffold1511	47816	GG	AA	1940493127
SNP_P1_233595_47825	NW_004516700.1	Scaffold1511	47825	TT	GG	1940493128
SNP_P1_233596_47846	NW_004516700.1	Scaffold1511	47846	AA	CC	1940493129
SNP_P1_233597_48429	NW_004516700.1	Scaffold1511	48429	AA	TT	1940493130

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233600_48855	NW_004516700.1	Scaffold1511	48855	CC	TT	1940493133
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SNP_P1_233602_54428	NW_004516700.1	Scaffold1511	54428	CC	AA	1940493135
SNP_P1_233603_54498	NW_004516700.1	Scaffold1511	54498	AA	CC	1940493137
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SNP_P1_233606_60020	NW_004516700.1	Scaffold1511	60020	CC	AA	1940493140
SNP_P1_233607_64270	NW_004516700.1	Scaffold1511	64270	CC	AA	1940493141
SNP_P1_233608_70040	NW_004516700.1	Scaffold1511	70040	AA	TT	1940493142
SNP_P1_233609_70789	NW_004516700.1	Scaffold1511	70789	AA	GG	1940493143
SNP_P1_233610_71005	NW_004516700.1	Scaffold1511	71005	CC	TT	1940493144
SNP_P1_233611_71014	NW_004516700.1	Scaffold1511	71014	AA	CC	1940493145
SNP_P1_233612_71804	NW_004516700.1	Scaffold1511	71804	AA	CC	1940493146
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SNP_P1_233624_81620	NW_004516700.1	Scaffold1511	81620	TT	AA	1940493157
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SNP_P1_233626_82719	NW_004516700.1	Scaffold1511	82719	TT	AA	1940493159
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SNP_P1_233635_86417	NW_004516700.1	Scaffold1511	86417	AA	CC	1940493168
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SNP_P1_233638_90040	NW_004516700.1	Scaffold1511	90040	AA	GG	1940493170
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SNP_P1_233640_92834	NW_004516700.1	Scaffold1511	92834	TT	AA	1940493172
SNP_P1_233641_93436	NW_004516700.1	Scaffold1511	93436	GG	AA	1940493173

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233644_97188	NW_004516700.1	Scaffold1511	97188	GG	AA	1940493176
SNP_P1_233645_97556	NW_004516700.1	Scaffold1511	97556	CC	TT	1940493177
SNP_P1_233647_99159	NW_004516700.1	Scaffold1511	99159	GG	AA	1940493178
SNP_P1_233648_99441	NW_004516700.1	Scaffold1511	99441	GG	AA	1940493179
SNP_P1_233649_99599	NW_004516700.1	Scaffold1511	99599	GG	AA	1940493180
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SNP_P1_233653_103163	NW_004516700.1	Scaffold1511	103163	GG	AA	1940493184
SNP_P1_233654_104162	NW_004516700.1	Scaffold1511	104162	AA	GG	1940493185
SNP_P1_233655_104520	NW_004516700.1	Scaffold1511	104520	TT	CC	1940493186
SNP_P1_233656_104734	NW_004516700.1	Scaffold1511	104734	TT	AA	1940493187
SNP_P1_233657_104742	NW_004516700.1	Scaffold1511	104742	CC	TT	1940493188
SNP_P1_233658_105296	NW_004516700.1	Scaffold1511	105296	GG	AA	1940493189
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SNP_P1_233661_107259	NW_004516700.1	Scaffold1511	107259	CC	TT	1940493192
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SNP_P1_233668_111198	NW_004516700.1	Scaffold1511	111198	AA	GG	1940493197
SNP_P1_233669_111753	NW_004516700.1	Scaffold1511	111753	AA	GG	1940493198
SNP_P1_233670_111767	NW_004516700.1	Scaffold1511	111767	AA	CC	1940493199
SNP_P1_233671_111806	NW_004516700.1	Scaffold1511	111806	TT	CC	1940493200
SNP_P1_233672_111839	NW_004516700.1	Scaffold1511	111839	TT	AA	1940493201
SNP_P1_233673_111846	NW_004516700.1	Scaffold1511	111846	TT	CC	1940493202
SNP_P1_233674_111856	NW_004516700.1	Scaffold1511	111856	TT	CC	1940493203
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SNP_P1_233678_114850	NW_004516700.1	Scaffold1511	114850	GG	AA	1940493207
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SNP_P1_233680_115235	NW_004516700.1	Scaffold1511	115235	CC	AA	1940493209
SNP_P1_233681_115604	NW_004516700.1	Scaffold1511	115604	TT	CC	1940493210
SNP_P1_233682_116193	NW_004516700.1	Scaffold1511	116193	CC	AA	1940493211
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SNP_P1_233684_117633	NW_004516700.1	Scaffold1511	117633	AA	CC	1940493213
SNP_P1_233685_121886	NW_004516700.1	Scaffold1511	121886	CC	TT	1940493214
SNP_P1_233686_121918	NW_004516700.1	Scaffold1511	121918	CC	TT	1940493215

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233689_122359	NW_004516700.1	Scaffold1511	122359	TT	GG	1940493217
SNP_P1_233690_122363	NW_004516700.1	Scaffold1511	122363	AA	TT	1940493218
SNP_P1_233691_122392	NW_004516700.1	Scaffold1511	122392	AA	GG	1940493219
SNP_P1_233692_122575	NW_004516700.1	Scaffold1511	122575	TT	CC	1940493220
SNP_P1_233693_122703	NW_004516700.1	Scaffold1511	122703	AA	GG	1940493221
SNP_P1_233695_124210	NW_004516700.1	Scaffold1511	124210	TT	CC	1940493222
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SNP_P1_233697_125254	NW_004516700.1	Scaffold1511	125254	TT	AA	1940493224
SNP_P1_233698_125574	NW_004516700.1	Scaffold1511	125574	GG	AA	1940493225
SNP_P1_233699_126873	NW_004516700.1	Scaffold1511	126873	CC	TT	1940493226
SNP_P1_233700_126900	NW_004516700.1	Scaffold1511	126900	GG	TT	1940493227
SNP_P1_233702_127677	NW_004516700.1	Scaffold1511	127677	CC	TT	1940493228
SNP_P1_233703_129175	NW_004516700.1	Scaffold1511	129175	AA	GG	1940493229
SNP_P1_233704_129197	NW_004516700.1	Scaffold1511	129197	GG	AA	1940493230
SNP_P1_233705_129687	NW_004516700.1	Scaffold1511	129687	CC	TT	1940493231
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SNP_P1_233709_130569	NW_004516700.1	Scaffold1511	130569	AA	TT	1940493233
SNP_P1_233710_132727	NW_004516700.1	Scaffold1511	132727	AA	GG	1940493234
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SNP_P1_233712_133165	NW_004516700.1	Scaffold1511	133165	AA	GG	1940493236
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SNP_P1_233718_136394	NW_004516700.1	Scaffold1511	136394	TT	CC	1940493240
SNP_P1_233720_137060	NW_004516700.1	Scaffold1511	137060	CC	TT	1940493241
SNP_P1_233721_141570	NW_004516700.1	Scaffold1511	141570	GG	AA	1940493242
SNP_P1_233722_142886	NW_004516700.1	Scaffold1511	142886	GG	AA	1940493243
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SNP_P1_233726_145618	NW_004516700.1	Scaffold1511	145618	TT	CC	1940493246
SNP_P1_233727_147218	NW_004516700.1	Scaffold1511	147218	CC	TT	1940493247
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SNP_P1_233729_149125	NW_004516700.1	Scaffold1511	149125	GG	AA	1940493249
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SNP_P1_233732_150915	NW_004516700.1	Scaffold1511	150915	AA	CC	1940493251
SNP_P1_233734_151884	NW_004516700.1	Scaffold1511	151884	GG	AA	1940493252
SNP_P1_233735_152108	NW_004516700.1	Scaffold1511	152108	CC	AA	1940493253
SNP_P1_233736_152216	NW_004516700.1	Scaffold1511	152216	GG	AA	1940493254
SNP_P1_233737_152522	NW_004516700.1	Scaffold1511	152522	GG	AA	1940493255
SNP_P1_233738_152703	NW_004516700.1	Scaffold1511	152703	GG	AA	1940493256
SNP_P1_233739_154814	NW_004516700.1	Scaffold1511	154814	AA	GG	1940493257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233741_157147	NW_004516700.1	Scaffold1511	157147	CC	TT	1940493259
SNP_P1_233742_157473	NW_004516700.1	Scaffold1511	157473	CC	AA	1940493260
SNP_P1_233743_158733	NW_004516700.1	Scaffold1511	158733	GG	AA	1940493261
SNP_P1_233744_158888	NW_004516700.1	Scaffold1511	158888	AA	CC	1940493262
SNP_P1_233745_159248	NW_004516700.1	Scaffold1511	159248	AA	CC	1940493263
SNP_P1_233746_159669	NW_004516700.1	Scaffold1511	159669	TT	GG	1940493264
SNP_P1_233747_164300	NW_004516700.1	Scaffold1511	164300	AA	CC	1940493265
SNP_P1_233748_164638	NW_004516700.1	Scaffold1511	164638	GG	TT	1940493267
SNP_P1_233749_164691	NW_004516700.1	Scaffold1511	164691	AA	GG	1940493268
SNP_P1_233750_164795	NW_004516700.1	Scaffold1511	164795	AA	CC	1940493269
SNP_P1_233751_165196	NW_004516700.1	Scaffold1511	165196	CC	TT	1940493270
SNP_P1_233752_165741	NW_004516700.1	Scaffold1511	165741	GG	TT	1940493271
SNP_P1_233753_165796	NW_004516700.1	Scaffold1511	165796	AA	TT	1940493272
SNP_P1_233754_165866	NW_004516700.1	Scaffold1511	165866	TT	GG	1940493273
SNP_P1_233755_165867	NW_004516700.1	Scaffold1511	165867	CC	GG	1940493274
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SNP_P1_233769_174414	NW_004516700.1	Scaffold1511	174414	AA	GG	1940493286
SNP_P1_233770_174417	NW_004516700.1	Scaffold1511	174417	GG	CC	1940493287
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SNP_P1_233772_174597	NW_004516700.1	Scaffold1511	174597	AA	CC	1940493289
SNP_P1_233773_174606	NW_004516700.1	Scaffold1511	174606	CC	TT	1940493290
SNP_P1_233774_174631	NW_004516700.1	Scaffold1511	174631	AA	GG	1940493291
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SNP_P1_233776_174676	NW_004516700.1	Scaffold1511	174676	GG	TT	1940493293
SNP_P1_233777_174693	NW_004516700.1	Scaffold1511	174693	TT	CC	1940493294
SNP_P1_233778_174811	NW_004516700.1	Scaffold1511	174811	TT	CC	1940493295
SNP_P1_233779_175104	NW_004516700.1	Scaffold1511	175104	GG	CC	1940493296
SNP_P1_233780_175197	NW_004516700.1	Scaffold1511	175197	GG	AA	1940493297
SNP_P1_233781_176590	NW_004516700.1	Scaffold1511	176590	GG	TT	1940493298
SNP_P1_233782_176606	NW_004516700.1	Scaffold1511	176606	CC	TT	1940493299
SNP_P1_233783_176630	NW_004516700.1	Scaffold1511	176630	GG	AA	1940493300

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233786_177175	NW_004516700.1	Scaffold1511	177175	TT	CC	1940493303
SNP_P1_233787_177832	NW_004516700.1	Scaffold1511	177832	GG	TT	1940493304
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SNP_P1_233790_180243	NW_004516700.1	Scaffold1511	180243	TT	CC	1940493306
SNP_P1_233791_180354	NW_004516700.1	Scaffold1511	180354	AA	CC	1940493307
SNP_P1_233792_180388	NW_004516700.1	Scaffold1511	180388	GG	AA	1940493308
SNP_P1_233793_180436	NW_004516700.1	Scaffold1511	180436	CC	TT	1940493309
SNP_P1_233794_180793	NW_004516700.1	Scaffold1511	180793	AA	TT	1940493310
SNP_P1_233795_181038	NW_004516700.1	Scaffold1511	181038	AA	GG	1940493311
SNP_P1_233796_182063	NW_004516700.1	Scaffold1511	182063	CC	TT	1940493312
SNP_P1_233797_182739	NW_004516700.1	Scaffold1511	182739	CC	TT	1940493313
SNP_P1_233798_183406	NW_004516700.1	Scaffold1511	183406	TT	GG	1940493314
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SNP_P1_233800_187062	NW_004516700.1	Scaffold1511	187062	AA	CC	1940493316
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SNP_P1_233802_187289	NW_004516700.1	Scaffold1511	187289	CC	TT	1940493318
SNP_P1_233803_187298	NW_004516700.1	Scaffold1511	187298	CC	GG	1940493319
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SNP_P1_233805_187622	NW_004516700.1	Scaffold1511	187622	TT	GG	1940493321
SNP_P1_233806_188666	NW_004516700.1	Scaffold1511	188666	CC	TT	1940493322
SNP_P1_233807_188734	NW_004516700.1	Scaffold1511	188734	GG	CC	1940493323
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SNP_P1_233811_189287	NW_004516700.1	Scaffold1511	189287	AA	GG	1940493327
SNP_P1_233812_189470	NW_004516700.1	Scaffold1511	189470	TT	CC	1940493328
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SNP_P1_233817_192359	NW_004516700.1	Scaffold1511	192359	GG	CC	1940493331
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SNP_P1_233819_8544	NW_004516701.1	Scaffold1512	8544	CC	AA	1940493333
SNP_P1_233820_9174	NW_004516701.1	Scaffold1512	9174	AA	GG	1940493334
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SNP_P1_233824_7955	NW_004516704.1	Scaffold1515	7955	GG	AA	1940493338
SNP_P1_233825_8893	NW_004516704.1	Scaffold1515	8893	AA	GG	1940493339
SNP_P1_233826_9000	NW_004516704.1	Scaffold1515	9000	TT	GG	1940493340
SNP_P1_233827_9056	NW_004516704.1	Scaffold1515	9056	TT	CC	1940493341
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233833_9385	NW_004516704.1	Scaffold1515	9385	AA	CC	1940493347
SNP_P1_233834_9387	NW_004516704.1	Scaffold1515	9387	GG	TT	1940493348
SNP_P1_233835_9503	NW_004516704.1	Scaffold1515	9503	AA	TT	1940493349
SNP_P1_233836_9548	NW_004516704.1	Scaffold1515	9548	TT	CC	1940493350
SNP_P1_233837_9675	NW_004516704.1	Scaffold1515	9675	AA	TT	1940493351
SNP_P1_233838_9791	NW_004516704.1	Scaffold1515	9791	CC	TT	1940493352
SNP_P1_233839_9885	NW_004516704.1	Scaffold1515	9885	AA	GG	1940493353
SNP_P1_233840_9909	NW_004516704.1	Scaffold1515	9909	AA	GG	1940493354
SNP_P1_233841_10026	NW_004516704.1	Scaffold1515	10026	TT	CC	1940493355
SNP_P1_233842_10043	NW_004516704.1	Scaffold1515	10043	GG	AA	1940493356
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SNP_P1_233858_15413	NW_004516704.1	Scaffold1515	15413	CC	TT	1940493370
SNP_P1_233859_15424	NW_004516704.1	Scaffold1515	15424	TT	CC	1940493371
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SNP_P1_233862_15545	NW_004516704.1	Scaffold1515	15545	AA	TT	1940493374
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SNP_P1_233864_15699	NW_004516704.1	Scaffold1515	15699	AA	CC	1940493376
SNP_P1_233865_15775	NW_004516704.1	Scaffold1515	15775	TT	CC	1940493377
SNP_P1_233866_17765	NW_004516704.1	Scaffold1515	17765	GG	AA	1940493378
SNP_P1_233867_17835	NW_004516704.1	Scaffold1515	17835	GG	AA	1940493379
SNP_P1_233868_17983	NW_004516704.1	Scaffold1515	17983	TT	GG	1940493380
SNP_P1_233869_18002	NW_004516704.1	Scaffold1515	18002	AA	TT	1940493381
SNP_P1_233870_18024	NW_004516704.1	Scaffold1515	18024	GG	AA	1940493382
SNP_P1_233871_18052	NW_004516704.1	Scaffold1515	18052	TT	CC	1940493383
SNP_P1_233872_18225	NW_004516704.1	Scaffold1515	18225	TT	CC	1940493384

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_233873_18232	NW_004516704.1	Scaffold1515	18232	CC	TT	1940493385
SNP_P1_233874_18247	NW_004516704.1	Scaffold1515	18247	TT	AA	1940493386
SNP_P1_233875_18397	NW_004516704.1	Scaffold1515	18397	AA	GG	1940493387
SNP_P1_233876_20710	NW_004516704.1	Scaffold1515	20710	AA	CC	1940493388
SNP_P1_233877_20888	NW_004516704.1	Scaffold1515	20888	GG	AA	1940493389
SNP_P1_233878_20936	NW_004516704.1	Scaffold1515	20936	AA	CC	1940493390
SNP_P1_233879_20940	NW_004516704.1	Scaffold1515	20940	AA	GG	1940493391
SNP_P1_233880_20966	NW_004516704.1	Scaffold1515	20966	TT	AA	1940493392
SNP_P1_233881_21246	NW_004516704.1	Scaffold1515	21246	TT	GG	1940493393
SNP_P1_233882_21344	NW_004516704.1	Scaffold1515	21344	CC	AA	1940493394
SNP_P1_233884_30530	NW_004516704.1	Scaffold1515	30530	TT	CC	1940493395
SNP_P1_233885_30919	NW_004516704.1	Scaffold1515	30919	AA	GG	1940493396
SNP_P1_233886_2354	NW_004516705.1	Scaffold1516	2354	TT	CC	1940493397
SNP_P1_233887_2355	NW_004516705.1	Scaffold1516	2355	AA	TT	1940493398
SNP_P1_233888_2623	NW_004516705.1	Scaffold1516	2623	CC	GG	1940493399
SNP_P1_233889_2725	NW_004516705.1	Scaffold1516	2725	GG	TT	1940493400
SNP_P1_233890_2748	NW_004516705.1	Scaffold1516	2748	AA	GG	1940493401
SNP_P1_233891_2978	NW_004516705.1	Scaffold1516	2978	AA	TT	1940493402
SNP_P1_233892_3038	NW_004516705.1	Scaffold1516	3038	GG	TT	1940493403
SNP_P1_233893_3058	NW_004516705.1	Scaffold1516	3058	AA	CC	1940493404
SNP_P1_233894_3059	NW_004516705.1	Scaffold1516	3059	TT	AA	1940493405
SNP_P1_233895_3092	NW_004516705.1	Scaffold1516	3092	GG	AA	1940493406
SNP_P1_233896_3600	NW_004516705.1	Scaffold1516	3600	GG	TT	1940493407
SNP_P1_233897_5693	NW_004516705.1	Scaffold1516	5693	CC	GG	1940493408
SNP_P1_233898_8044	NW_004516705.1	Scaffold1516	8044	CC	TT	1940493409
SNP_P1_233899_8052	NW_004516705.1	Scaffold1516	8052	AA	CC	1940493410
SNP_P1_233900_8098	NW_004516705.1	Scaffold1516	8098	CC	TT	1940493411
SNP_P1_233901_8143	NW_004516705.1	Scaffold1516	8143	TT	CC	1940493412
SNP_P1_233902_8320	NW_004516705.1	Scaffold1516	8320	AA	CC	1940493413
SNP_P1_233903_8351	NW_004516705.1	Scaffold1516	8351	TT	GG	1940493414
SNP_P1_233904_8430	NW_004516705.1	Scaffold1516	8430	GG	AA	1940493415
SNP_P1_233905_8441	NW_004516705.1	Scaffold1516	8441	CC	GG	1940493416
SNP_P1_233906_9061	NW_004516705.1	Scaffold1516	9061	CC	AA	1940493417
SNP_P1_233907_9111	NW_004516705.1	Scaffold1516	9111	TT	CC	1940493419
SNP_P1_233908_16800	NW_004516706.1	Scaffold1519	16800	GG	AA	1940493420
SNP_P1_233910_16809	NW_004516706.1	Scaffold1519	16809	TT	AA	1940493421
SNP_P1_233911_16951	NW_004516706.1	Scaffold1519	16951	TT	CC	1940493422
SNP_P1_233912_16993	NW_004516706.1	Scaffold1519	16993	TT	CC	1940493423
SNP_P1_233913_17063	NW_004516706.1	Scaffold1519	17063	GG	TT	1940493424
SNP_P1_233914_621	NW_004516707.1	Scaffold1520	621	TT	AA	1940493425
SNP_P1_233915_64	NW_004516708.1	Scaffold1521	64	AA	GG	1940493426
SNP_P1_233916_115	NW_004516708.1	Scaffold1521	115	CC	TT	1940493427

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233918_559	NW_004516708.1	Scaffold1521	559	GG	AA	1940493429
SNP_P1_233919_593	NW_004516708.1	Scaffold1521	593	AA	GG	1940493430
SNP_P1_233920_599	NW_004516708.1	Scaffold1521	599	AA	GG	1940493431
SNP_P1_233921_632	NW_004516708.1	Scaffold1521	632	AA	CC	1940493432
SNP_P1_233922_657	NW_004516708.1	Scaffold1521	657	AA	TT	1940493433
SNP_P1_233923_705	NW_004516708.1	Scaffold1521	705	CC	TT	1940493434
SNP_P1_233924_725	NW_004516708.1	Scaffold1521	725	CC	TT	1940493435
SNP_P1_233925_983	NW_004516708.1	Scaffold1521	983	AA	GG	1940493436
SNP_P1_233926_1065	NW_004516708.1	Scaffold1521	1065	AA	TT	1940493437
SNP_P1_233927_1133	NW_004516708.1	Scaffold1521	1133	CC	AA	1940493438
SNP_P1_233929_1163	NW_004516708.1	Scaffold1521	1163	TT	CC	1940493439
SNP_P1_233930_5507	NW_004516708.1	Scaffold1521	5507	AA	TT	1940493440
SNP_P1_233931_5973	NW_004516708.1	Scaffold1521	5973	CC	TT	1940493441
SNP_P1_233932_7659	NW_004516708.1	Scaffold1521	7659	TT	GG	1940493442
SNP_P1_233933_7678	NW_004516708.1	Scaffold1521	7678	GG	TT	1940493443
SNP_P1_233934_7702	NW_004516708.1	Scaffold1521	7702	TT	GG	1940493444
SNP_P1_233935_8212	NW_004516708.1	Scaffold1521	8212	TT	CC	1940493445
SNP_P1_233936_8220	NW_004516708.1	Scaffold1521	8220	AA	CC	1940493446
SNP_P1_233937_8339	NW_004516708.1	Scaffold1521	8339	AA	CC	1940493447
SNP_P1_233938_8365	NW_004516708.1	Scaffold1521	8365	AA	TT	1940493448
SNP_P1_233939_8377	NW_004516708.1	Scaffold1521	8377	AA	TT	1940493449
SNP_P1_233940_8383	NW_004516708.1	Scaffold1521	8383	TT	GG	1940493450
SNP_P1_233941_8549	NW_004516708.1	Scaffold1521	8549	GG	AA	1940493451
SNP_P1_233942_10337	NW_004516708.1	Scaffold1521	10337	TT	CC	1940493452
SNP_P1_233943_10345	NW_004516708.1	Scaffold1521	10345	TT	AA	1940493453
SNP_P1_233944_10356	NW_004516708.1	Scaffold1521	10356	TT	AA	1940493454
SNP_P1_233945_10386	NW_004516708.1	Scaffold1521	10386	GG	AA	1940493455
SNP_P1_233946_10400	NW_004516708.1	Scaffold1521	10400	CC	TT	1940493456
SNP_P1_233947_10585	NW_004516708.1	Scaffold1521	10585	GG	TT	1940493457
SNP_P1_233949_11946	NW_004516708.1	Scaffold1521	11946	CC	GG	1940493458
SNP_P1_233950_13482	NW_004516708.1	Scaffold1521	13482	GG	AA	1940493459
SNP_P1_233951_13539	NW_004516708.1	Scaffold1521	13539	TT	AA	1940493460
SNP_P1_233954_15272	NW_004516708.1	Scaffold1521	15272	GG	AA	1940493461
SNP_P1_233955_15273	NW_004516708.1	Scaffold1521	15273	TT	CC	1940493462
SNP_P1_233956_15300	NW_004516708.1	Scaffold1521	15300	TT	AA	1940493463
SNP_P1_233957_15309	NW_004516708.1	Scaffold1521	15309	TT	GG	1940493464
SNP_P1_233958_15346	NW_004516708.1	Scaffold1521	15346	TT	AA	1940493465
SNP_P1_233959_15440	NW_004516708.1	Scaffold1521	15440	AA	TT	1940493466
SNP_P1_233960_15463	NW_004516708.1	Scaffold1521	15463	AA	TT	1940493467
SNP_P1_233961_15470	NW_004516708.1	Scaffold1521	15470	AA	CC	1940493468
SNP_P1_233962_15481	NW_004516708.1	Scaffold1521	15481	TT	AA	1940493469

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_233964_15538	NW_004516708.1	Scaffold1521	15538	CC	TT	1940493471
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SNP_P1_233969_19302	NW_004516708.1	Scaffold1521	19302	TT	GG	1940493474
SNP_P1_233970_19363	NW_004516708.1	Scaffold1521	19363	CC	TT	1940493475
SNP_P1_233971_19398	NW_004516708.1	Scaffold1521	19398	TT	GG	1940493476
SNP_P1_233972_19506	NW_004516708.1	Scaffold1521	19506	GG	AA	1940493477
SNP_P1_233973_19525	NW_004516708.1	Scaffold1521	19525	AA	GG	1940493478
SNP_P1_233974_19605	NW_004516708.1	Scaffold1521	19605	CC	AA	1940493479
SNP_P1_233975_19653	NW_004516708.1	Scaffold1521	19653	CC	AA	1940493480
SNP_P1_233976_19670	NW_004516708.1	Scaffold1521	19670	TT	AA	1940493481
SNP_P1_233977_19764	NW_004516708.1	Scaffold1521	19764	CC	TT	1940493482
SNP_P1_233978_19917	NW_004516708.1	Scaffold1521	19917	GG	TT	1940493483
SNP_P1_233979_19964	NW_004516708.1	Scaffold1521	19964	TT	CC	1940493484
SNP_P1_233980_20082	NW_004516708.1	Scaffold1521	20082	CC	TT	1940493485
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SNP_P1_233982_20335	NW_004516708.1	Scaffold1521	20335	GG	CC	1940493487
SNP_P1_233984_21318	NW_004516708.1	Scaffold1521	21318	AA	CC	1940493488
SNP_P1_233985_21505	NW_004516708.1	Scaffold1521	21505	CC	TT	1940493489
SNP_P1_233986_21510	NW_004516708.1	Scaffold1521	21510	CC	TT	1940493490
SNP_P1_233987_21578	NW_004516708.1	Scaffold1521	21578	TT	AA	1940493491
SNP_P1_233988_21606	NW_004516708.1	Scaffold1521	21606	AA	GG	1940493492
SNP_P1_233989_23355	NW_004516708.1	Scaffold1521	23355	AA	TT	1940493493
SNP_P1_233990_23422	NW_004516708.1	Scaffold1521	23422	GG	TT	1940493494
SNP_P1_233991_23613	NW_004516708.1	Scaffold1521	23613	TT	CC	1940493495
SNP_P1_233992_23817	NW_004516708.1	Scaffold1521	23817	TT	GG	1940493496
SNP_P1_233993_25700	NW_004516708.1	Scaffold1521	25700	GG	CC	1940493497
SNP_P1_233994_25845	NW_004516708.1	Scaffold1521	25845	CC	TT	1940493498
SNP_P1_233995_25915	NW_004516708.1	Scaffold1521	25915	AA	GG	1940493499
SNP_P1_233996_26566	NW_004516708.1	Scaffold1521	26566	AA	GG	1940493500
SNP_P1_233997_26705	NW_004516708.1	Scaffold1521	26705	CC	TT	1940493501
SNP_P1_233998_26732	NW_004516708.1	Scaffold1521	26732	GG	TT	1940493502
SNP_P1_233999_26740	NW_004516708.1	Scaffold1521	26740	AA	GG	1940493503
SNP_P1_234000_26848	NW_004516708.1	Scaffold1521	26848	TT	AA	1940493504
SNP_P1_234001_26925	NW_004516708.1	Scaffold1521	26925	GG	TT	1940493505
SNP_P1_234002_27261	NW_004516708.1	Scaffold1521	27261	TT	CC	1940493506
SNP_P1_234003_27262	NW_004516708.1	Scaffold1521	27262	TT	AA	1940493507
SNP_P1_234004_1594	NW_004516709.1	Scaffold1523	1594	AA	TT	1940493508
SNP_P1_234005_1607	NW_004516709.1	Scaffold1523	1607	CC	TT	1940493509
SNP_P1_234006_1863	NW_004516709.1	Scaffold1523	1863	GG	TT	1940493510
SNP_P1_234007_1876	NW_004516709.1	Scaffold1523	1876	CC	TT	1940493511

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234009_1923	NW_004516709.1	Scaffold1523	1923	GG	CC	1940493513
SNP_P1_234010_5067	NW_004516709.1	Scaffold1523	5067	GG	TT	1940493514
SNP_P1_234011_7085	NW_004516709.1	Scaffold1523	7085	CC	TT	1940493515
SNP_P1_234012_8673	NW_004516709.1	Scaffold1523	8673	GG	CC	1940493516
SNP_P1_234013_8681	NW_004516709.1	Scaffold1523	8681	AA	GG	1940493517
SNP_P1_234014_9777	NW_004516709.1	Scaffold1523	9777	GG	TT	1940493518
SNP_P1_234015_9867	NW_004516709.1	Scaffold1523	9867	GG	CC	1940493519
SNP_P1_234016_9904	NW_004516709.1	Scaffold1523	9904	AA	GG	1940493520
SNP_P1_234017_1311	NW_004516710.1	Scaffold1524	1311	CC	AA	1940493521
SNP_P1_234018_6911	NW_004516710.1	Scaffold1524	6911	AA	TT	1940493522
SNP_P1_234019_2728	NW_004516712.1	Scaffold1526	2728	TT	CC	1940493523
SNP_P1_234020_3319	NW_004516712.1	Scaffold1526	3319	TT	AA	1940493524
SNP_P1_234021_4838	NW_004516712.1	Scaffold1526	4838	GG	TT	1940493525
SNP_P1_234022_4861	NW_004516712.1	Scaffold1526	4861	GG	AA	1940493526
SNP_P1_234023_7420	NW_004516714.1	Scaffold1530	7420	TT	AA	1940493527
SNP_P1_234024_9989	NW_004516714.1	Scaffold1530	9989	TT	CC	1940493528
SNP_P1_234025_10165	NW_004516714.1	Scaffold1530	10165	TT	AA	1940493529
SNP_P1_234026_10194	NW_004516714.1	Scaffold1530	10194	TT	CC	1940493530
SNP_P1_234027_10225	NW_004516714.1	Scaffold1530	10225	CC	TT	1940493531
SNP_P1_234028_10299	NW_004516714.1	Scaffold1530	10299	GG	AA	1940493532
SNP_P1_234029_10309	NW_004516714.1	Scaffold1530	10309	CC	TT	1940493533
SNP_P1_234030_10320	NW_004516714.1	Scaffold1530	10320	GG	AA	1940493534
SNP_P1_234031_10432	NW_004516714.1	Scaffold1530	10432	TT	CC	1940493535
SNP_P1_234032_10462	NW_004516714.1	Scaffold1530	10462	TT	CC	1940493536
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SNP_P1_234035_13385	NW_004516714.1	Scaffold1530	13385	AA	TT	1940493539
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SNP_P1_234037_13460	NW_004516714.1	Scaffold1530	13460	TT	CC	1940493541
SNP_P1_234038_13465	NW_004516714.1	Scaffold1530	13465	CC	AA	1940493542
SNP_P1_234039_13510	NW_004516714.1	Scaffold1530	13510	TT	CC	1940493543
SNP_P1_234040_13548	NW_004516714.1	Scaffold1530	13548	GG	AA	1940493544
SNP_P1_234041_13602	NW_004516714.1	Scaffold1530	13602	CC	TT	1940493545
SNP_P1_234042_13628	NW_004516714.1	Scaffold1530	13628	TT	CC	1940493546
SNP_P1_234043_13752	NW_004516714.1	Scaffold1530	13752	TT	CC	1940493547
SNP_P1_234044_13811	NW_004516714.1	Scaffold1530	13811	GG	CC	1940493548
SNP_P1_234045_14007	NW_004516714.1	Scaffold1530	14007	AA	GG	1940493549
SNP_P1_234046_14203	NW_004516714.1	Scaffold1530	14203	AA	TT	1940493550
SNP_P1_234047_14446	NW_004516714.1	Scaffold1530	14446	AA	TT	1940493551
SNP_P1_234048_14488	NW_004516714.1	Scaffold1530	14488	GG	TT	1940493552
SNP_P1_234049_14647	NW_004516714.1	Scaffold1530	14647	TT	CC	1940493553

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234051_14755	NW_004516714.1	Scaffold1530	14755	TT	CC	1940493555
SNP_P1_234052_14924	NW_004516714.1	Scaffold1530	14924	AA	GG	1940493556
SNP_P1_234053_14976	NW_004516714.1	Scaffold1530	14976	AA	CC	1940493557
SNP_P1_234054_15043	NW_004516714.1	Scaffold1530	15043	TT	AA	1940493558
SNP_P1_234055_15046	NW_004516714.1	Scaffold1530	15046	GG	AA	1940493559
SNP_P1_234056_15089	NW_004516714.1	Scaffold1530	15089	CC	TT	1940493560
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SNP_P1_234060_16172	NW_004516714.1	Scaffold1530	16172	GG	AA	1940493563
SNP_P1_234061_16175	NW_004516714.1	Scaffold1530	16175	AA	TT	1940493564
SNP_P1_234062_16440	NW_004516714.1	Scaffold1530	16440	GG	AA	1940493565
SNP_P1_234063_16460	NW_004516714.1	Scaffold1530	16460	CC	TT	1940493566
SNP_P1_234064_16525	NW_004516714.1	Scaffold1530	16525	GG	AA	1940493567
SNP_P1_234065_16658	NW_004516714.1	Scaffold1530	16658	GG	CC	1940493568
SNP_P1_234066_16847	NW_004516714.1	Scaffold1530	16847	GG	AA	1940493569
SNP_P1_234067_16865	NW_004516714.1	Scaffold1530	16865	AA	CC	1940493570
SNP_P1_234068_16890	NW_004516714.1	Scaffold1530	16890	GG	CC	1940493571
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SNP_P1_234071_17101	NW_004516714.1	Scaffold1530	17101	CC	GG	1940493573
SNP_P1_234072_17184	NW_004516714.1	Scaffold1530	17184	AA	GG	1940493574
SNP_P1_234073_17477	NW_004516714.1	Scaffold1530	17477	GG	AA	1940493576
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SNP_P1_234078_17792	NW_004516714.1	Scaffold1530	17792	GG	TT	1940493580
SNP_P1_234079_17814	NW_004516714.1	Scaffold1530	17814	GG	TT	1940493581
SNP_P1_234081_17883	NW_004516714.1	Scaffold1530	17883	CC	TT	1940493582
SNP_P1_234082_17889	NW_004516714.1	Scaffold1530	17889	GG	TT	1940493583
SNP_P1_234083_17890	NW_004516714.1	Scaffold1530	17890	AA	TT	1940493584
SNP_P1_234084_17919	NW_004516714.1	Scaffold1530	17919	TT	AA	1940493585
SNP_P1_234085_17997	NW_004516714.1	Scaffold1530	17997	CC	TT	1940493586
SNP_P1_234086_18077	NW_004516714.1	Scaffold1530	18077	GG	AA	1940493587
SNP_P1_234087_18838	NW_004516714.1	Scaffold1530	18838	GG	AA	1940493588
SNP_P1_234088_18839	NW_004516714.1	Scaffold1530	18839	AA	GG	1940493589
SNP_P1_234089_18918	NW_004516714.1	Scaffold1530	18918	CC	AA	1940493590
SNP_P1_234090_18929	NW_004516714.1	Scaffold1530	18929	GG	TT	1940493591
SNP_P1_234091_18932	NW_004516714.1	Scaffold1530	18932	AA	GG	1940493592
SNP_P1_234094_19158	NW_004516714.1	Scaffold1530	19158	GG	TT	1940493593
SNP_P1_234095_19165	NW_004516714.1	Scaffold1530	19165	GG	AA	1940493594
SNP_P1_234096_19186	NW_004516714.1	Scaffold1530	19186	AA	TT	1940493595
SNP_P1_234097_19420	NW_004516714.1	Scaffold1530	19420	AA	TT	1940493596

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_234098_19443	NW_004516714.1	Scaffold1530	19443	CC	GG	1940493597
SNP_P1_234099_19735	NW_004516714.1	Scaffold1530	19735	TT	AA	1940493598
SNP_P1_234100_19742	NW_004516714.1	Scaffold1530	19742	CC	TT	1940493599
SNP_P1_234101_19957	NW_004516714.1	Scaffold1530	19957	TT	CC	1940493600
SNP_P1_234102_19958	NW_004516714.1	Scaffold1530	19958	GG	AA	1940493601
SNP_P1_234103_20007	NW_004516714.1	Scaffold1530	20007	CC	GG	1940493602
SNP_P1_234105_20457	NW_004516714.1	Scaffold1530	20457	CC	TT	1940493603
SNP_P1_234106_20653	NW_004516714.1	Scaffold1530	20653	AA	GG	1940493604
SNP_P1_234107_20759	NW_004516714.1	Scaffold1530	20759	GG	CC	1940493605
SNP_P1_234108_20799	NW_004516714.1	Scaffold1530	20799	TT	AA	1940493606
SNP_P1_234109_20825	NW_004516714.1	Scaffold1530	20825	GG	AA	1940493607
SNP_P1_234110_20981	NW_004516714.1	Scaffold1530	20981	AA	TT	1940493608
SNP_P1_234111_21032	NW_004516714.1	Scaffold1530	21032	AA	TT	1940493609
SNP_P1_234113_21189	NW_004516714.1	Scaffold1530	21189	AA	GG	1940493610
SNP_P1_234114_21234	NW_004516714.1	Scaffold1530	21234	CC	TT	1940493611
SNP_P1_234115_21256	NW_004516714.1	Scaffold1530	21256	GG	AA	1940493612
SNP_P1_234116_21327	NW_004516714.1	Scaffold1530	21327	GG	AA	1940493613
SNP_P1_234117_21344	NW_004516714.1	Scaffold1530	21344	AA	GG	1940493614
SNP_P1_234118_21399	NW_004516714.1	Scaffold1530	21399	GG	AA	1940493615
SNP_P1_234119_21410	NW_004516714.1	Scaffold1530	21410	AA	GG	1940493616
SNP_P1_234120_21416	NW_004516714.1	Scaffold1530	21416	AA	CC	1940493617
SNP_P1_234121_21420	NW_004516714.1	Scaffold1530	21420	CC	AA	1940493618
SNP_P1_234122_21430	NW_004516714.1	Scaffold1530	21430	AA	CC	1940493619
SNP_P1_234123_21451	NW_004516714.1	Scaffold1530	21451	GG	AA	1940493620
SNP_P1_234124_21510	NW_004516714.1	Scaffold1530	21510	TT	CC	1940493621
SNP_P1_234125_21520	NW_004516714.1	Scaffold1530	21520	AA	GG	1940493622
SNP_P1_234126_21577	NW_004516714.1	Scaffold1530	21577	GG	TT	1940493623
SNP_P1_234127_21582	NW_004516714.1	Scaffold1530	21582	CC	TT	1940493624
SNP_P1_234128_21725	NW_004516714.1	Scaffold1530	21725	CC	TT	1940493625
SNP_P1_234129_21821	NW_004516714.1	Scaffold1530	21821	TT	CC	1940493626
SNP_P1_234130_21852	NW_004516714.1	Scaffold1530	21852	GG	AA	1940493627
SNP_P1_234131_22141	NW_004516714.1	Scaffold1530	22141	AA	GG	1940493628
SNP_P1_234132_22158	NW_004516714.1	Scaffold1530	22158	GG	TT	1940493629
SNP_P1_234133_22214	NW_004516714.1	Scaffold1530	22214	GG	TT	1940493630
SNP_P1_234134_22280	NW_004516714.1	Scaffold1530	22280	TT	CC	1940493631
SNP_P1_234135_22298	NW_004516714.1	Scaffold1530	22298	CC	TT	1940493632
SNP_P1_234136_22300	NW_004516714.1	Scaffold1530	22300	CC	TT	1940493633
SNP_P1_234137_22322	NW_004516714.1	Scaffold1530	22322	TT	CC	1940493634
SNP_P1_234138_22403	NW_004516714.1	Scaffold1530	22403	AA	GG	1940493635
SNP_P1_234139_22465	NW_004516714.1	Scaffold1530	22465	GG	AA	1940493636
SNP_P1_234140_22491	NW_004516714.1	Scaffold1530	22491	AA	GG	1940493637
SNP_P1_234141_22520	NW_004516714.1	Scaffold1530	22520	GG	CC	1940493638

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234143_22595	NW_004516714.1	Scaffold1530	22595	AA	GG	1940493640
SNP_P1_234144_23014	NW_004516714.1	Scaffold1530	23014	AA	GG	1940493641
SNP_P1_234147_23369	NW_004516714.1	Scaffold1530	23369	TT	AA	1940493642
SNP_P1_234148_23612	NW_004516714.1	Scaffold1530	23612	AA	TT	1940493643
SNP_P1_234149_23711	NW_004516714.1	Scaffold1530	23711	AA	GG	1940493644
SNP_P1_234151_23858	NW_004516714.1	Scaffold1530	23858	CC	AA	1940493645
SNP_P1_234152_23866	NW_004516714.1	Scaffold1530	23866	TT	AA	1940493646
SNP_P1_234153_23895	NW_004516714.1	Scaffold1530	23895	CC	TT	1940493647
SNP_P1_234154_23906	NW_004516714.1	Scaffold1530	23906	AA	CC	1940493648
SNP_P1_234155_23918	NW_004516714.1	Scaffold1530	23918	CC	AA	1940493649
SNP_P1_234156_24066	NW_004516714.1	Scaffold1530	24066	TT	CC	1940493650
SNP_P1_234157_24232	NW_004516714.1	Scaffold1530	24232	CC	AA	1940493651
SNP_P1_234158_24256	NW_004516714.1	Scaffold1530	24256	TT	GG	1940493652
SNP_P1_234159_24313	NW_004516714.1	Scaffold1530	24313	CC	GG	1940493653
SNP_P1_234160_24427	NW_004516714.1	Scaffold1530	24427	TT	CC	1940493654
SNP_P1_234162_24460	NW_004516714.1	Scaffold1530	24460	GG	AA	1940493655
SNP_P1_234163_24470	NW_004516714.1	Scaffold1530	24470	CC	TT	1940493656
SNP_P1_234164_24528	NW_004516714.1	Scaffold1530	24528	AA	GG	1940493657
SNP_P1_234165_24604	NW_004516714.1	Scaffold1530	24604	AA	GG	1940493658
SNP_P1_234166_24621	NW_004516714.1	Scaffold1530	24621	AA	GG	1940493659
SNP_P1_234167_24638	NW_004516714.1	Scaffold1530	24638	TT	CC	1940493660
SNP_P1_234168_24686	NW_004516714.1	Scaffold1530	24686	AA	GG	1940493661
SNP_P1_234170_24718	NW_004516714.1	Scaffold1530	24718	AA	TT	1940493662
SNP_P1_234171_24741	NW_004516714.1	Scaffold1530	24741	TT	AA	1940493663
SNP_P1_234172_24781	NW_004516714.1	Scaffold1530	24781	CC	TT	1940493664
SNP_P1_234173_25059	NW_004516714.1	Scaffold1530	25059	TT	CC	1940493665
SNP_P1_234174_25074	NW_004516714.1	Scaffold1530	25074	GG	AA	1940493666
SNP_P1_234175_25097	NW_004516714.1	Scaffold1530	25097	CC	AA	1940493667
SNP_P1_234176_25098	NW_004516714.1	Scaffold1530	25098	GG	AA	1940493668
SNP_P1_234177_25101	NW_004516714.1	Scaffold1530	25101	TT	GG	1940493669
SNP_P1_234178_25111	NW_004516714.1	Scaffold1530	25111	GG	CC	1940493670
SNP_P1_234179_25144	NW_004516714.1	Scaffold1530	25144	TT	CC	1940493671
SNP_P1_234180_25160	NW_004516714.1	Scaffold1530	25160	TT	CC	1940493672
SNP_P1_234181_25223	NW_004516714.1	Scaffold1530	25223	TT	AA	1940493673
SNP_P1_234182_25224	NW_004516714.1	Scaffold1530	25224	TT	AA	1940493674
SNP_P1_234183_25399	NW_004516714.1	Scaffold1530	25399	TT	CC	1940493675
SNP_P1_234184_25441	NW_004516714.1	Scaffold1530	25441	TT	AA	1940493676
SNP_P1_234185_25485	NW_004516714.1	Scaffold1530	25485	AA	GG	1940493677
SNP_P1_234187_25535	NW_004516714.1	Scaffold1530	25535	GG	TT	1940493678
SNP_P1_234188_25629	NW_004516714.1	Scaffold1530	25629	CC	GG	1940493679
SNP_P1_234189_25706	NW_004516714.1	Scaffold1530	25706	CC	GG	1940493680

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234192_25908	NW_004516714.1	Scaffold1530	25908	AA	GG	1940493682
SNP_P1_234193_25987	NW_004516714.1	Scaffold1530	25987	AA	GG	1940493683
SNP_P1_234194_26013	NW_004516714.1	Scaffold1530	26013	TT	CC	1940493684
SNP_P1_234195_26023	NW_004516714.1	Scaffold1530	26023	CC	TT	1940493685
SNP_P1_234196_26147	NW_004516714.1	Scaffold1530	26147	GG	TT	1940493686
SNP_P1_234197_26244	NW_004516714.1	Scaffold1530	26244	AA	TT	1940493687
SNP_P1_234198_26262	NW_004516714.1	Scaffold1530	26262	AA	TT	1940493688
SNP_P1_234199_26270	NW_004516714.1	Scaffold1530	26270	GG	AA	1940493689
SNP_P1_234200_26363	NW_004516714.1	Scaffold1530	26363	CC	TT	1940493690
SNP_P1_234201_26417	NW_004516714.1	Scaffold1530	26417	CC	AA	1940493691
SNP_P1_234202_26432	NW_004516714.1	Scaffold1530	26432	TT	AA	1940493692
SNP_P1_234203_26462	NW_004516714.1	Scaffold1530	26462	TT	CC	1940493693
SNP_P1_234204_26542	NW_004516714.1	Scaffold1530	26542	TT	AA	1940493694
SNP_P1_234205_26557	NW_004516714.1	Scaffold1530	26557	AA	GG	1940493695
SNP_P1_234206_26603	NW_004516714.1	Scaffold1530	26603	AA	TT	1940493696
SNP_P1_234208_26782	NW_004516714.1	Scaffold1530	26782	AA	GG	1940493697
SNP_P1_234209_26901	NW_004516714.1	Scaffold1530	26901	TT	AA	1940493698
SNP_P1_234210_27016	NW_004516714.1	Scaffold1530	27016	AA	GG	1940493699
SNP_P1_234211_27025	NW_004516714.1	Scaffold1530	27025	TT	CC	1940493700
SNP_P1_234212_27031	NW_004516714.1	Scaffold1530	27031	GG	AA	1940493701
SNP_P1_234214_27115	NW_004516714.1	Scaffold1530	27115	TT	CC	1940493702
SNP_P1_234216_27386	NW_004516714.1	Scaffold1530	27386	GG	AA	1940493703
SNP_P1_234217_27476	NW_004516714.1	Scaffold1530	27476	TT	AA	1940493704
SNP_P1_234218_27480	NW_004516714.1	Scaffold1530	27480	AA	TT	1940493705
SNP_P1_234219_27582	NW_004516714.1	Scaffold1530	27582	AA	GG	1940493706
SNP_P1_234220_27592	NW_004516714.1	Scaffold1530	27592	AA	GG	1940493707
SNP_P1_234221_27737	NW_004516714.1	Scaffold1530	27737	TT	CC	1940493708
SNP_P1_234223_27835	NW_004516714.1	Scaffold1530	27835	AA	GG	1940493709
SNP_P1_234224_27873	NW_004516714.1	Scaffold1530	27873	GG	TT	1940493710
SNP_P1_234225_27909	NW_004516714.1	Scaffold1530	27909	AA	TT	1940493711
SNP_P1_234227_28052	NW_004516714.1	Scaffold1530	28052	GG	AA	1940493712
SNP_P1_234228_28165	NW_004516714.1	Scaffold1530	28165	GG	AA	1940493713
SNP_P1_234229_28179	NW_004516714.1	Scaffold1530	28179	AA	TT	1940493714
SNP_P1_234230_28275	NW_004516714.1	Scaffold1530	28275	TT	CC	1940493715
SNP_P1_234231_28342	NW_004516714.1	Scaffold1530	28342	AA	GG	1940493716
SNP_P1_234232_28360	NW_004516714.1	Scaffold1530	28360	TT	CC	1940493717
SNP_P1_234234_28430	NW_004516714.1	Scaffold1530	28430	AA	GG	1940493718
SNP_P1_234235_28449	NW_004516714.1	Scaffold1530	28449	AA	TT	1940493719
SNP_P1_234236_28454	NW_004516714.1	Scaffold1530	28454	AA	TT	1940493720
SNP_P1_234237_28599	NW_004516714.1	Scaffold1530	28599	CC	AA	1940493721
SNP_P1_234238_28621	NW_004516714.1	Scaffold1530	28621	GG	AA	1940493722

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234241_28671	NW_004516714.1	Scaffold1530	28671	CC	TT	1940493725
SNP_P1_234242_28710	NW_004516714.1	Scaffold1530	28710	TT	CC	1940493726
SNP_P1_234243_28716	NW_004516714.1	Scaffold1530	28716	AA	GG	1940493728
SNP_P1_234245_28888	NW_004516714.1	Scaffold1530	28888	CC	TT	1940493729
SNP_P1_234246_28917	NW_004516714.1	Scaffold1530	28917	GG	AA	1940493730
SNP_P1_234247_517	NW_004516715.1	Scaffold1531	517	CC	TT	1940493731
SNP_P1_234248_778	NW_004516715.1	Scaffold1531	778	AA	TT	1940493732
SNP_P1_234249_3785	NW_004516715.1	Scaffold1531	3785	GG	AA	1940493733
SNP_P1_234250_3898	NW_004516715.1	Scaffold1531	3898	CC	TT	1940493734
SNP_P1_234251_3984	NW_004516715.1	Scaffold1531	3984	CC	GG	1940493735
SNP_P1_234252_4236	NW_004516715.1	Scaffold1531	4236	GG	TT	1940493736
SNP_P1_234253_4358	NW_004516715.1	Scaffold1531	4358	AA	GG	1940493737
SNP_P1_234254_4574	NW_004516715.1	Scaffold1531	4574	GG	AA	1940493738
SNP_P1_234255_4588	NW_004516715.1	Scaffold1531	4588	TT	CC	1940493739
SNP_P1_234256_5279	NW_004516715.1	Scaffold1531	5279	CC	TT	1940493740
SNP_P1_234257_5501	NW_004516715.1	Scaffold1531	5501	AA	GG	1940493741
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SNP_P1_234266_24251	NW_004516715.1	Scaffold1531	24251	AA	GG	1940493750
SNP_P1_234267_24320	NW_004516715.1	Scaffold1531	24320	TT	GG	1940493751
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SNP_P1_234276_24702	NW_004516715.1	Scaffold1531	24702	CC	TT	1940493760
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SNP_P1_234278_24868	NW_004516715.1	Scaffold1531	24868	AA	CC	1940493762
SNP_P1_234279_24875	NW_004516715.1	Scaffold1531	24875	GG	TT	1940493763
SNP_P1_234281_24941	NW_004516715.1	Scaffold1531	24941	GG	AA	1940493764
SNP_P1_234283_25698	NW_004516715.1	Scaffold1531	25698	TT	AA	1940493765

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234286_25945	NW_004516715.1	Scaffold1531	25945	CC	GG	1940493768
SNP_P1_234287_26082	NW_004516715.1	Scaffold1531	26082	CC	TT	1940493769
SNP_P1_234288_26084	NW_004516715.1	Scaffold1531	26084	TT	AA	1940493770
SNP_P1_234289_26550	NW_004516715.1	Scaffold1531	26550	CC	AA	1940493771
SNP_P1_234290_26771	NW_004516715.1	Scaffold1531	26771	TT	GG	1940493772
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SNP_P1_234292_26807	NW_004516715.1	Scaffold1531	26807	CC	AA	1940493774
SNP_P1_234293_26815	NW_004516715.1	Scaffold1531	26815	CC	GG	1940493775
SNP_P1_234295_27206	NW_004516715.1	Scaffold1531	27206	AA	GG	1940493776
SNP_P1_234296_27239	NW_004516715.1	Scaffold1531	27239	GG	TT	1940493777
SNP_P1_234297_27767	NW_004516715.1	Scaffold1531	27767	AA	GG	1940493778
SNP_P1_234298_27820	NW_004516715.1	Scaffold1531	27820	AA	GG	1940493779
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SNP_P1_234300_27884	NW_004516715.1	Scaffold1531	27884	AA	TT	1940493781
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SNP_P1_234308_28187	NW_004516715.1	Scaffold1531	28187	CC	AA	1940493789
SNP_P1_234309_28345	NW_004516715.1	Scaffold1531	28345	AA	GG	1940493790
SNP_P1_234310_28346	NW_004516715.1	Scaffold1531	28346	GG	AA	1940493791
SNP_P1_234311_28363	NW_004516715.1	Scaffold1531	28363	TT	GG	1940493792
SNP_P1_234312_28435	NW_004516715.1	Scaffold1531	28435	CC	AA	1940493793
SNP_P1_234313_28443	NW_004516715.1	Scaffold1531	28443	CC	AA	1940493794
SNP_P1_234314_28494	NW_004516715.1	Scaffold1531	28494	AA	GG	1940493795
SNP_P1_234315_28528	NW_004516715.1	Scaffold1531	28528	TT	CC	1940493796
SNP_P1_234316_28531	NW_004516715.1	Scaffold1531	28531	GG	AA	1940493797
SNP_P1_234317_28564	NW_004516715.1	Scaffold1531	28564	TT	AA	1940493798
SNP_P1_234318_28579	NW_004516715.1	Scaffold1531	28579	AA	CC	1940493799
SNP_P1_234319_28589	NW_004516715.1	Scaffold1531	28589	GG	TT	1940493800
SNP_P1_234320_28623	NW_004516715.1	Scaffold1531	28623	AA	TT	1940493801
SNP_P1_234321_28644	NW_004516715.1	Scaffold1531	28644	TT	GG	1940493802
SNP_P1_234322_28790	NW_004516715.1	Scaffold1531	28790	AA	GG	1940493803
SNP_P1_234323_28795	NW_004516715.1	Scaffold1531	28795	TT	CC	1940493804
SNP_P1_234324_28908	NW_004516715.1	Scaffold1531	28908	AA	GG	1940493805
SNP_P1_234325_28925	NW_004516715.1	Scaffold1531	28925	GG	CC	1940493806
SNP_P1_234326_28972	NW_004516715.1	Scaffold1531	28972	GG	AA	1940493807

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234329_29106	NW_004516715.1	Scaffold1531	29106	GG	AA	1940493810
SNP_P1_234330_29133	NW_004516715.1	Scaffold1531	29133	CC	TT	1940493811
SNP_P1_234331_29158	NW_004516715.1	Scaffold1531	29158	TT	AA	1940493812
SNP_P1_234332_29214	NW_004516715.1	Scaffold1531	29214	GG	TT	1940493813
SNP_P1_234333_29221	NW_004516715.1	Scaffold1531	29221	TT	AA	1940493814
SNP_P1_234334_29265	NW_004516715.1	Scaffold1531	29265	TT	AA	1940493815
SNP_P1_234335_29276	NW_004516715.1	Scaffold1531	29276	GG	AA	1940493816
SNP_P1_234336_29327	NW_004516715.1	Scaffold1531	29327	TT	GG	1940493817
SNP_P1_234337_29344	NW_004516715.1	Scaffold1531	29344	GG	CC	1940493818
SNP_P1_234338_29362	NW_004516715.1	Scaffold1531	29362	CC	GG	1940493819
SNP_P1_234339_29403	NW_004516715.1	Scaffold1531	29403	GG	CC	1940493820
SNP_P1_234340_29421	NW_004516715.1	Scaffold1531	29421	GG	CC	1940493821
SNP_P1_234341_29423	NW_004516715.1	Scaffold1531	29423	GG	AA	1940493822
SNP_P1_234343_29460	NW_004516715.1	Scaffold1531	29460	GG	TT	1940493823
SNP_P1_234344_29509	NW_004516715.1	Scaffold1531	29509	AA	TT	1940493824
SNP_P1_234345_29605	NW_004516715.1	Scaffold1531	29605	CC	TT	1940493825
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SNP_P1_234347_29634	NW_004516715.1	Scaffold1531	29634	CC	TT	1940493827
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SNP_P1_234349_30003	NW_004516715.1	Scaffold1531	30003	TT	AA	1940493829
SNP_P1_234350_30234	NW_004516715.1	Scaffold1531	30234	AA	GG	1940493830
SNP_P1_234351_34710	NW_004516715.1	Scaffold1531	34710	GG	AA	1940493831
SNP_P1_234352_34785	NW_004516715.1	Scaffold1531	34785	GG	AA	1940493832
SNP_P1_234353_34799	NW_004516715.1	Scaffold1531	34799	GG	AA	1940493833
SNP_P1_234354_34841	NW_004516715.1	Scaffold1531	34841	CC	TT	1940493834
SNP_P1_234355_34931	NW_004516715.1	Scaffold1531	34931	AA	TT	1940493835
SNP_P1_234356_34957	NW_004516715.1	Scaffold1531	34957	AA	TT	1940493836
SNP_P1_234357_34989	NW_004516715.1	Scaffold1531	34989	TT	CC	1940493837
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SNP_P1_234360_35192	NW_004516715.1	Scaffold1531	35192	CC	TT	1940493840
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SNP_P1_234362_35273	NW_004516715.1	Scaffold1531	35273	AA	GG	1940493842
SNP_P1_234363_35299	NW_004516715.1	Scaffold1531	35299	GG	TT	1940493843
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SNP_P1_234365_35650	NW_004516715.1	Scaffold1531	35650	GG	TT	1940493845
SNP_P1_234366_35654	NW_004516715.1	Scaffold1531	35654	CC	TT	1940493846
SNP_P1_234367_35684	NW_004516715.1	Scaffold1531	35684	GG	AA	1940493847
SNP_P1_234368_35733	NW_004516715.1	Scaffold1531	35733	AA	GG	1940493848
SNP_P1_234369_35817	NW_004516715.1	Scaffold1531	35817	TT	CC	1940493849

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234371_35838	NW_004516715.1	Scaffold1531	35838	CC	GG	1940493851
SNP_P1_234372_35879	NW_004516715.1	Scaffold1531	35879	TT	CC	1940493852
SNP_P1_234373_36028	NW_004516715.1	Scaffold1531	36028	CC	GG	1940493853
SNP_P1_234374_36084	NW_004516715.1	Scaffold1531	36084	CC	TT	1940493854
SNP_P1_234375_36119	NW_004516715.1	Scaffold1531	36119	CC	GG	1940493855
SNP_P1_234376_36129	NW_004516715.1	Scaffold1531	36129	CC	AA	1940493856
SNP_P1_234377_36252	NW_004516715.1	Scaffold1531	36252	GG	AA	1940493857
SNP_P1_234378_36269	NW_004516715.1	Scaffold1531	36269	AA	TT	1940493858
SNP_P1_234379_36289	NW_004516715.1	Scaffold1531	36289	GG	TT	1940493859
SNP_P1_234380_36292	NW_004516715.1	Scaffold1531	36292	TT	AA	1940493861
SNP_P1_234381_36318	NW_004516715.1	Scaffold1531	36318	TT	AA	1940493862
SNP_P1_234382_36348	NW_004516715.1	Scaffold1531	36348	TT	CC	1940493863
SNP_P1_234383_36572	NW_004516715.1	Scaffold1531	36572	TT	CC	1940493864
SNP_P1_234384_36586	NW_004516715.1	Scaffold1531	36586	AA	GG	1940493865
SNP_P1_234385_36590	NW_004516715.1	Scaffold1531	36590	AA	GG	1940493866
SNP_P1_234386_36591	NW_004516715.1	Scaffold1531	36591	GG	TT	1940493867
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SNP_P1_234392_37226	NW_004516715.1	Scaffold1531	37226	GG	AA	1940493873
SNP_P1_234393_37778	NW_004516715.1	Scaffold1531	37778	CC	TT	1940493874
SNP_P1_234394_37814	NW_004516715.1	Scaffold1531	37814	TT	CC	1940493875
SNP_P1_234395_37870	NW_004516715.1	Scaffold1531	37870	GG	AA	1940493876
SNP_P1_234396_37909	NW_004516715.1	Scaffold1531	37909	TT	GG	1940493877
SNP_P1_234397_37964	NW_004516715.1	Scaffold1531	37964	CC	TT	1940493878
SNP_P1_234398_37978	NW_004516715.1	Scaffold1531	37978	CC	TT	1940493879
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SNP_P1_234403_38258	NW_004516715.1	Scaffold1531	38258	AA	TT	1940493884
SNP_P1_234404_38310	NW_004516715.1	Scaffold1531	38310	AA	CC	1940493885
SNP_P1_234405_39409	NW_004516715.1	Scaffold1531	39409	AA	GG	1940493886
SNP_P1_234406_39424	NW_004516715.1	Scaffold1531	39424	GG	AA	1940493887
SNP_P1_234407_40486	NW_004516715.1	Scaffold1531	40486	TT	CC	1940493888
SNP_P1_234408_40573	NW_004516715.1	Scaffold1531	40573	AA	GG	1940493889
SNP_P1_234409_6435	NW_004516716.1	Scaffold1532	6435	CC	TT	1940493890
SNP_P1_234410_7992	NW_004516716.1	Scaffold1532	7992	TT	AA	1940493891
SNP_P1_234411_8283	NW_004516716.1	Scaffold1532	8283	AA	CC	1940493892

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234414_10243	NW_004516716.1	Scaffold1532	10243	AA	GG	1940493895
SNP_P1_234415_10280	NW_004516716.1	Scaffold1532	10280	CC	TT	1940493896
SNP_P1_234416_10288	NW_004516716.1	Scaffold1532	10288	GG	AA	1940493897
SNP_P1_234417_10348	NW_004516716.1	Scaffold1532	10348	AA	GG	1940493898
SNP_P1_234418_10527	NW_004516716.1	Scaffold1532	10527	TT	CC	1940493899
SNP_P1_234419_10541	NW_004516716.1	Scaffold1532	10541	CC	GG	1940493900
SNP_P1_234420_10646	NW_004516716.1	Scaffold1532	10646	AA	TT	1940493901
SNP_P1_234421_10652	NW_004516716.1	Scaffold1532	10652	TT	AA	1940493902
SNP_P1_234422_10685	NW_004516716.1	Scaffold1532	10685	GG	CC	1940493903
SNP_P1_234423_10703	NW_004516716.1	Scaffold1532	10703	TT	AA	1940493904
SNP_P1_234425_10823	NW_004516716.1	Scaffold1532	10823	AA	GG	1940493905
SNP_P1_234426_10849	NW_004516716.1	Scaffold1532	10849	CC	TT	1940493906
SNP_P1_234427_10855	NW_004516716.1	Scaffold1532	10855	TT	AA	1940493907
SNP_P1_234428_10882	NW_004516716.1	Scaffold1532	10882	AA	GG	1940493908
SNP_P1_234429_15772	NW_004516716.1	Scaffold1532	15772	AA	GG	1940493909
SNP_P1_234430_17484	NW_004516716.1	Scaffold1532	17484	CC	TT	1940493910
SNP_P1_234431_18526	NW_004516716.1	Scaffold1532	18526	GG	AA	1940493911
SNP_P1_234433_22090	NW_004516716.1	Scaffold1532	22090	AA	GG	1940493912
SNP_P1_234434_22154	NW_004516716.1	Scaffold1532	22154	AA	GG	1940493913
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SNP_P1_234439_22190	NW_004516716.1	Scaffold1532	22190	TT	CC	1940493918
SNP_P1_234440_22209	NW_004516716.1	Scaffold1532	22209	TT	CC	1940493919
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SNP_P1_234442_24826	NW_004516716.1	Scaffold1532	24826	AA	CC	1940493921
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SNP_P1_234444_25088	NW_004516716.1	Scaffold1532	25088	CC	TT	1940493923
SNP_P1_234446_25123	NW_004516716.1	Scaffold1532	25123	TT	CC	1940493924
SNP_P1_234447_25161	NW_004516716.1	Scaffold1532	25161	CC	TT	1940493925
SNP_P1_234448_25182	NW_004516716.1	Scaffold1532	25182	GG	TT	1940493926
SNP_P1_234449_25187	NW_004516716.1	Scaffold1532	25187	AA	CC	1940493927
SNP_P1_234450_25211	NW_004516716.1	Scaffold1532	25211	GG	AA	1940493928
SNP_P1_234451_25236	NW_004516716.1	Scaffold1532	25236	TT	CC	1940493929
SNP_P1_234452_25248	NW_004516716.1	Scaffold1532	25248	GG	TT	1940493930
SNP_P1_234453_25270	NW_004516716.1	Scaffold1532	25270	GG	AA	1940493931
SNP_P1_234454_25298	NW_004516716.1	Scaffold1532	25298	TT	CC	1940493932
SNP_P1_234455_25299	NW_004516716.1	Scaffold1532	25299	TT	CC	1940493933
SNP_P1_234456_25348	NW_004516716.1	Scaffold1532	25348	TT	AA	1940493934

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234459_25899	NW_004516716.1	Scaffold1532	25899	GG	TT	1940493937
SNP_P1_234460_26119	NW_004516716.1	Scaffold1532	26119	AA	TT	1940493938
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SNP_P1_234462_26329	NW_004516716.1	Scaffold1532	26329	TT	GG	1940493940
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SNP_P1_234468_29532	NW_004516716.1	Scaffold1532	29532	TT	CC	1940493946
SNP_P1_234469_30457	NW_004516716.1	Scaffold1532	30457	GG	AA	1940493947
SNP_P1_234470_32715	NW_004516716.1	Scaffold1532	32715	GG	TT	1940493948
SNP_P1_234471_32814	NW_004516716.1	Scaffold1532	32814	GG	TT	1940493949
SNP_P1_234472_45468	NW_004516716.1	Scaffold1532	45468	CC	GG	1940493950
SNP_P1_234473_46857	NW_004516716.1	Scaffold1532	46857	TT	CC	1940493951
SNP_P1_234474_57881	NW_004516716.1	Scaffold1532	57881	GG	TT	1940493952
SNP_P1_234475_58929	NW_004516716.1	Scaffold1532	58929	TT	CC	1940493953
SNP_P1_234476_59674	NW_004516716.1	Scaffold1532	59674	AA	TT	1940493954
SNP_P1_234477_61565	NW_004516716.1	Scaffold1532	61565	GG	AA	1940493955
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SNP_P1_234484_76254	NW_004516716.1	Scaffold1532	76254	GG	AA	1940493961
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SNP_P1_234490_82083	NW_004516716.1	Scaffold1532	82083	GG	AA	1940493967
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SNP_P1_234495_11571	NW_004516717.1	Scaffold1533	11571	AA	GG	1940493972
SNP_P1_234496_11767	NW_004516717.1	Scaffold1533	11767	AA	GG	1940493973
SNP_P1_234497_14295	NW_004516717.1	Scaffold1533	14295	CC	TT	1940493974
SNP_P1_234498_14324	NW_004516717.1	Scaffold1533	14324	AA	GG	1940493975
SNP_P1_234499_14369	NW_004516717.1	Scaffold1533	14369	TT	GG	1940493976

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234502_14406	NW_004516717.1	Scaffold1533	14406	AA	GG	1940493979
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SNP_P1_234504_14903	NW_004516717.1	Scaffold1533	14903	AA	TT	1940493981
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SNP_P1_234510_61351	NW_004516717.1	Scaffold1533	61351	AA	GG	1940493985
SNP_P1_234511_61511	NW_004516717.1	Scaffold1533	61511	GG	AA	1940493986
SNP_P1_234512_63818	NW_004516717.1	Scaffold1533	63818	GG	AA	1940493987
SNP_P1_234513_65408	NW_004516717.1	Scaffold1533	65408	TT	AA	1940493988
SNP_P1_234514_65430	NW_004516717.1	Scaffold1533	65430	AA	GG	1940493989
SNP_P1_234515_65792	NW_004516717.1	Scaffold1533	65792	TT	GG	1940493990
SNP_P1_234516_72467	NW_004516717.1	Scaffold1533	72467	TT	CC	1940493991
SNP_P1_234517_73857	NW_004516717.1	Scaffold1533	73857	AA	GG	1940493992
SNP_P1_234518_80081	NW_004516717.1	Scaffold1533	80081	TT	GG	1940493993
SNP_P1_234520_84738	NW_004516717.1	Scaffold1533	84738	AA	GG	1940493994
SNP_P1_234521_84748	NW_004516717.1	Scaffold1533	84748	TT	CC	1940493995
SNP_P1_234522_84752	NW_004516717.1	Scaffold1533	84752	CC	TT	1940493996
SNP_P1_234523_88779	NW_004516717.1	Scaffold1533	88779	GG	AA	1940493997
SNP_P1_234524_88920	NW_004516717.1	Scaffold1533	88920	CC	TT	1940493998
SNP_P1_234525_88948	NW_004516717.1	Scaffold1533	88948	TT	GG	1940493999
SNP_P1_234526_88972	NW_004516717.1	Scaffold1533	88972	AA	CC	1940494000
SNP_P1_234527_89089	NW_004516717.1	Scaffold1533	89089	TT	GG	1940494001
SNP_P1_234528_89131	NW_004516717.1	Scaffold1533	89131	AA	GG	1940494002
SNP_P1_234529_89317	NW_004516717.1	Scaffold1533	89317	AA	GG	1940494003
SNP_P1_234530_89332	NW_004516717.1	Scaffold1533	89332	CC	TT	1940494004
SNP_P1_234531_89982	NW_004516717.1	Scaffold1533	89982	TT	CC	1940494005
SNP_P1_234532_116612	NW_004516717.1	Scaffold1533	116612	GG	TT	1940494006
SNP_P1_234533_116953	NW_004516717.1	Scaffold1533	116953	GG	CC	1940494007
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SNP_P1_234536_134952	NW_004516717.1	Scaffold1533	134952	GG	AA	1940494010
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SNP_P1_234538_135156	NW_004516717.1	Scaffold1533	135156	AA	GG	1940494012
SNP_P1_234539_135263	NW_004516717.1	Scaffold1533	135263	TT	CC	1940494013
SNP_P1_234540_2515	NW_004516718.1	Scaffold1535	2515	CC	TT	1940494014
SNP_P1_234541_2578	NW_004516718.1	Scaffold1535	2578	TT	AA	1940494015
SNP_P1_234542_2937	NW_004516718.1	Scaffold1535	2937	AA	TT	1940494016
SNP_P1_234543_2992	NW_004516718.1	Scaffold1535	2992	AA	GG	1940494017
SNP_P1_234544_3034	NW_004516718.1	Scaffold1535	3034	CC	GG	1940494018

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234546_3800	NW_004516718.1	Scaffold1535	3800	CC	TT	1940494021
SNP_P1_234547_442	NW_004516720.1	Scaffold1542	442	AA	GG	1940494022
SNP_P1_234548_548	NW_004516720.1	Scaffold1542	548	TT	CC	1940494023
SNP_P1_234549_550	NW_004516720.1	Scaffold1542	550	AA	TT	1940494024
SNP_P1_234550_574	NW_004516720.1	Scaffold1542	574	AA	GG	1940494025
SNP_P1_234551_602	NW_004516720.1	Scaffold1542	602	AA	TT	1940494026
SNP_P1_234552_7035	NW_004516720.1	Scaffold1542	7035	TT	AA	1940494027
SNP_P1_234553_7350	NW_004516720.1	Scaffold1542	7350	TT	GG	1940494028
SNP_P1_234554_7364	NW_004516720.1	Scaffold1542	7364	TT	GG	1940494029
SNP_P1_234555_11415	NW_004516720.1	Scaffold1542	11415	AA	CC	1940494030
SNP_P1_234556_64	NW_004516721.1	Scaffold1543	64	GG	CC	1940494031
SNP_P1_234557_328	NW_004516721.1	Scaffold1543	328	GG	TT	1940494032
SNP_P1_234558_792	NW_004516721.1	Scaffold1543	792	AA	GG	1940494033
SNP_P1_234559_644	NW_004516722.1	Scaffold1544	644	TT	AA	1940494034
SNP_P1_234560_782	NW_004516722.1	Scaffold1544	782	TT	GG	1940494035
SNP_P1_234561_830	NW_004516722.1	Scaffold1544	830	CC	AA	1940494036
SNP_P1_234562_1190	NW_004516722.1	Scaffold1544	1190	TT	AA	1940494037
SNP_P1_234563_1191	NW_004516722.1	Scaffold1544	1191	GG	TT	1940494038
SNP_P1_234564_1589	NW_004516722.1	Scaffold1544	1589	AA	GG	1940494039
SNP_P1_234565_1656	NW_004516722.1	Scaffold1544	1656	AA	TT	1940494040
SNP_P1_234566_1679	NW_004516722.1	Scaffold1544	1679	CC	TT	1940494041
SNP_P1_234567_1705	NW_004516722.1	Scaffold1544	1705	TT	CC	1940494042
SNP_P1_234568_1767	NW_004516722.1	Scaffold1544	1767	AA	CC	1940494043
SNP_P1_234569_2411	NW_004516722.1	Scaffold1544	2411	GG	AA	1940494044
SNP_P1_234570_2527	NW_004516722.1	Scaffold1544	2527	TT	CC	1940494045
SNP_P1_234571_2804	NW_004516722.1	Scaffold1544	2804	AA	GG	1940494046
SNP_P1_234572_2874	NW_004516722.1	Scaffold1544	2874	GG	AA	1940494047
SNP_P1_234573_3283	NW_004516722.1	Scaffold1544	3283	GG	AA	1940494048
SNP_P1_234574_8679	NW_004516722.1	Scaffold1544	8679	TT	CC	1940494049
SNP_P1_234575_9076	NW_004516722.1	Scaffold1544	9076	TT	GG	1940494050
SNP_P1_234576_9127	NW_004516722.1	Scaffold1544	9127	CC	GG	1940494051
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SNP_P1_234578_9549	NW_004516722.1	Scaffold1544	9549	TT	AA	1940494053
SNP_P1_234579_9698	NW_004516722.1	Scaffold1544	9698	CC	TT	1940494054
SNP_P1_234580_14187	NW_004516722.1	Scaffold1544	14187	AA	GG	1940494055
SNP_P1_234581_14214	NW_004516722.1	Scaffold1544	14214	GG	AA	1940494056
SNP_P1_234582_14401	NW_004516722.1	Scaffold1544	14401	AA	TT	1940494057
SNP_P1_234583_14552	NW_004516722.1	Scaffold1544	14552	AA	TT	1940494058
SNP_P1_234584_14576	NW_004516722.1	Scaffold1544	14576	GG	CC	1940494059
SNP_P1_234586_14944	NW_004516722.1	Scaffold1544	14944	TT	CC	1940494060
SNP_P1_234587_39685	NW_004516723.1	Scaffold1545	39685	AA	GG	1940494061

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234589_44017	NW_004516723.1	Scaffold1545	44017	AA	GG	1940494063
SNP_P1_234590_51492	NW_004516723.1	Scaffold1545	51492	TT	GG	1940494064
SNP_P1_234591_60755	NW_004516723.1	Scaffold1545	60755	TT	CC	1940494065
SNP_P1_234592_60907	NW_004516723.1	Scaffold1545	60907	TT	CC	1940494066
SNP_P1_234593_60921	NW_004516723.1	Scaffold1545	60921	TT	CC	1940494067
SNP_P1_234594_61382	NW_004516723.1	Scaffold1545	61382	TT	AA	1940494068
SNP_P1_234595_81342	NW_004516723.1	Scaffold1545	81342	AA	TT	1940494069
SNP_P1_234596_81343	NW_004516723.1	Scaffold1545	81343	GG	AA	1940494070
SNP_P1_234597_81400	NW_004516723.1	Scaffold1545	81400	GG	CC	1940494071
SNP_P1_234598_81406	NW_004516723.1	Scaffold1545	81406	TT	CC	1940494072
SNP_P1_234600_81521	NW_004516723.1	Scaffold1545	81521	AA	GG	1940494073
SNP_P1_234601_81569	NW_004516723.1	Scaffold1545	81569	AA	GG	1940494074
SNP_P1_234603_81648	NW_004516723.1	Scaffold1545	81648	AA	GG	1940494075
SNP_P1_234604_81661	NW_004516723.1	Scaffold1545	81661	CC	GG	1940494076
SNP_P1_234605_81665	NW_004516723.1	Scaffold1545	81665	TT	GG	1940494077
SNP_P1_234606_81699	NW_004516723.1	Scaffold1545	81699	AA	GG	1940494078
SNP_P1_234607_81763	NW_004516723.1	Scaffold1545	81763	TT	GG	1940494079
SNP_P1_234608_81779	NW_004516723.1	Scaffold1545	81779	TT	CC	1940494080
SNP_P1_234609_81786	NW_004516723.1	Scaffold1545	81786	TT	CC	1940494081
SNP_P1_234610_81787	NW_004516723.1	Scaffold1545	81787	TT	GG	1940494082
SNP_P1_234611_81790	NW_004516723.1	Scaffold1545	81790	GG	AA	1940494083
SNP_P1_234612_81791	NW_004516723.1	Scaffold1545	81791	AA	GG	1940494084
SNP_P1_234613_81797	NW_004516723.1	Scaffold1545	81797	TT	AA	1940494085
SNP_P1_234614_81813	NW_004516723.1	Scaffold1545	81813	AA	TT	1940494086
SNP_P1_234615_81855	NW_004516723.1	Scaffold1545	81855	AA	GG	1940494087
SNP_P1_234616_81874	NW_004516723.1	Scaffold1545	81874	AA	TT	1940494088
SNP_P1_234617_81973	NW_004516723.1	Scaffold1545	81973	AA	GG	1940494089
SNP_P1_234619_105061	NW_004516723.1	Scaffold1545	105061	CC	TT	1940494090
SNP_P1_234621_152435	NW_004516723.1	Scaffold1545	152435	TT	CC	1940494091
SNP_P1_234622_169559	NW_004516723.1	Scaffold1545	169559	AA	CC	1940494092
SNP_P1_234623_169599	NW_004516723.1	Scaffold1545	169599	TT	CC	1940494093
SNP_P1_234624_169601	NW_004516723.1	Scaffold1545	169601	AA	GG	1940494094
SNP_P1_234625_169892	NW_004516723.1	Scaffold1545	169892	AA	GG	1940494095
SNP_P1_234626_169896	NW_004516723.1	Scaffold1545	169896	TT	AA	1940494096
SNP_P1_234627_173780	NW_004516723.1	Scaffold1545	173780	AA	GG	1940494097
SNP_P1_234628_177600	NW_004516723.1	Scaffold1545	177600	GG	AA	1940494098
SNP_P1_234629_177622	NW_004516723.1	Scaffold1545	177622	CC	TT	1940494099
SNP_P1_234630_177647	NW_004516723.1	Scaffold1545	177647	GG	AA	1940494100
SNP_P1_234631_192180	NW_004516723.1	Scaffold1545	192180	GG	AA	1940494101
SNP_P1_234632_196320	NW_004516723.1	Scaffold1545	196320	GG	CC	1940494102
SNP_P1_234633_199117	NW_004516723.1	Scaffold1545	199117	CC	TT	1940494103

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234636_220141	NW_004516723.1	Scaffold1545	220141	TT	CC	1940494105
SNP_P1_234637_221343	NW_004516723.1	Scaffold1545	221343	CC	TT	1940494106
SNP_P1_234638_222360	NW_004516723.1	Scaffold1545	222360	TT	AA	1940494107
SNP_P1_234639_225105	NW_004516723.1	Scaffold1545	225105	GG	TT	1940494108
SNP_P1_234640_237472	NW_004516723.1	Scaffold1545	237472	CC	AA	1940494109
SNP_P1_234641_237498	NW_004516723.1	Scaffold1545	237498	TT	CC	1940494110
SNP_P1_234642_237523	NW_004516723.1	Scaffold1545	237523	AA	CC	1940494111
SNP_P1_234643_243012	NW_004516723.1	Scaffold1545	243012	TT	CC	1940494112
SNP_P1_234644_250483	NW_004516723.1	Scaffold1545	250483	CC	TT	1940494113
SNP_P1_234645_268352	NW_004516723.1	Scaffold1545	268352	GG	TT	1940494114
SNP_P1_234646_268651	NW_004516723.1	Scaffold1545	268651	CC	GG	1940494115
SNP_P1_234647_269162	NW_004516723.1	Scaffold1545	269162	CC	AA	1940494116
SNP_P1_234648_269320	NW_004516723.1	Scaffold1545	269320	TT	AA	1940494117
SNP_P1_234650_285828	NW_004516723.1	Scaffold1545	285828	AA	TT	1940494118
SNP_P1_234651_287021	NW_004516723.1	Scaffold1545	287021	GG	AA	1940494119
SNP_P1_234652_288438	NW_004516723.1	Scaffold1545	288438	AA	GG	1940494120
SNP_P1_234653_288461	NW_004516723.1	Scaffold1545	288461	GG	CC	1940494121
SNP_P1_234654_299527	NW_004516723.1	Scaffold1545	299527	AA	CC	1940494122
SNP_P1_234655_305043	NW_004516723.1	Scaffold1545	305043	GG	AA	1940494123
SNP_P1_234656_332897	NW_004516723.1	Scaffold1545	332897	AA	TT	1940494124
SNP_P1_234657_332907	NW_004516723.1	Scaffold1545	332907	GG	TT	1940494125
SNP_P1_234658_332913	NW_004516723.1	Scaffold1545	332913	TT	AA	1940494126
SNP_P1_234659_333115	NW_004516723.1	Scaffold1545	333115	CC	AA	1940494127
SNP_P1_234660_333456	NW_004516723.1	Scaffold1545	333456	GG	CC	1940494128
SNP_P1_234661_22519	NW_004516724.1	Scaffold1546	22519	AA	TT	1940494129
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SNP_P1_234666_81255	NW_004516724.1	Scaffold1546	81255	GG	AA	1940494134
SNP_P1_234667_81536	NW_004516724.1	Scaffold1546	81536	CC	TT	1940494135
SNP_P1_234668_81541	NW_004516724.1	Scaffold1546	81541	CC	AA	1940494136
SNP_P1_234669_81560	NW_004516724.1	Scaffold1546	81560	GG	CC	1940494137
SNP_P1_234670_81561	NW_004516724.1	Scaffold1546	81561	AA	TT	1940494138
SNP_P1_234671_81562	NW_004516724.1	Scaffold1546	81562	GG	AA	1940494139
SNP_P1_234672_84878	NW_004516724.1	Scaffold1546	84878	CC	AA	1940494140
SNP_P1_234673_87589	NW_004516724.1	Scaffold1546	87589	CC	TT	1940494141
SNP_P1_234674_99055	NW_004516724.1	Scaffold1546	99055	CC	GG	1940494142
SNP_P1_234675_99074	NW_004516724.1	Scaffold1546	99074	GG	AA	1940494143
SNP_P1_234676_99467	NW_004516724.1	Scaffold1546	99467	TT	CC	1940494144
SNP_P1_234677_114119	NW_004516724.1	Scaffold1546	114119	CC	AA	1940494145

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234681_137758	NW_004516724.1	Scaffold1546	137758	CC	TT	1940494148
SNP_P1_234682_139493	NW_004516724.1	Scaffold1546	139493	GG	AA	1940494149
SNP_P1_234683_139501	NW_004516724.1	Scaffold1546	139501	AA	TT	1940494150
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SNP_P1_234689_141072	NW_004516724.1	Scaffold1546	141072	GG	AA	1940494156
SNP_P1_234690_141086	NW_004516724.1	Scaffold1546	141086	CC	AA	1940494157
SNP_P1_234691_141115	NW_004516724.1	Scaffold1546	141115	GG	TT	1940494158
SNP_P1_234692_141122	NW_004516724.1	Scaffold1546	141122	AA	GG	1940494159
SNP_P1_234693_141381	NW_004516724.1	Scaffold1546	141381	TT	GG	1940494160
SNP_P1_234694_141430	NW_004516724.1	Scaffold1546	141430	CC	TT	1940494161
SNP_P1_234695_141466	NW_004516724.1	Scaffold1546	141466	TT	AA	1940494162
SNP_P1_234696_141503	NW_004516724.1	Scaffold1546	141503	AA	GG	1940494163
SNP_P1_234697_141511	NW_004516724.1	Scaffold1546	141511	TT	CC	1940494164
SNP_P1_234698_141516	NW_004516724.1	Scaffold1546	141516	GG	AA	1940494165
SNP_P1_234699_141772	NW_004516724.1	Scaffold1546	141772	GG	AA	1940494166
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SNP_P1_234701_855	NW_004516726.1	Scaffold1548	855	TT	GG	1940494168
SNP_P1_234702_872	NW_004516726.1	Scaffold1548	872	AA	GG	1940494169
SNP_P1_234704_1173	NW_004516726.1	Scaffold1548	1173	AA	GG	1940494170
SNP_P1_234705_1469	NW_004516726.1	Scaffold1548	1469	GG	TT	1940494171
SNP_P1_234706_1557	NW_004516726.1	Scaffold1548	1557	AA	TT	1940494172
SNP_P1_234707_1732	NW_004516726.1	Scaffold1548	1732	TT	CC	1940494173
SNP_P1_234708_11023	NW_004516726.1	Scaffold1548	11023	AA	TT	1940494174
SNP_P1_234709_11161	NW_004516726.1	Scaffold1548	11161	CC	GG	1940494175
SNP_P1_234710_11187	NW_004516726.1	Scaffold1548	11187	CC	TT	1940494176
SNP_P1_234711_11283	NW_004516726.1	Scaffold1548	11283	CC	TT	1940494177
SNP_P1_234712_11314	NW_004516726.1	Scaffold1548	11314	AA	GG	1940494179
SNP_P1_234713_12290	NW_004516726.1	Scaffold1548	12290	AA	GG	1940494180
SNP_P1_234714_12321	NW_004516726.1	Scaffold1548	12321	GG	TT	1940494181
SNP_P1_234715_15061	NW_004516726.1	Scaffold1548	15061	CC	TT	1940494182
SNP_P1_234716_15067	NW_004516726.1	Scaffold1548	15067	AA	TT	1940494183
SNP_P1_234717_15089	NW_004516726.1	Scaffold1548	15089	GG	AA	1940494184
SNP_P1_234718_15102	NW_004516726.1	Scaffold1548	15102	GG	AA	1940494185
SNP_P1_234719_15317	NW_004516726.1	Scaffold1548	15317	CC	TT	1940494186
SNP_P1_234720_15339	NW_004516726.1	Scaffold1548	15339	CC	AA	1940494187
SNP_P1_234721_15381	NW_004516726.1	Scaffold1548	15381	AA	TT	1940494188

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234724_15490	NW_004516726.1	Scaffold1548	15490	AA	TT	1940494191
SNP_P1_234725_18355	NW_004516726.1	Scaffold1548	18355	GG	AA	1940494192
SNP_P1_234726_18625	NW_004516726.1	Scaffold1548	18625	TT	AA	1940494193
SNP_P1_234727_18691	NW_004516726.1	Scaffold1548	18691	AA	TT	1940494194
SNP_P1_234728_19141	NW_004516726.1	Scaffold1548	19141	TT	GG	1940494195
SNP_P1_234729_20187	NW_004516726.1	Scaffold1548	20187	CC	TT	1940494196
SNP_P1_234730_20264	NW_004516726.1	Scaffold1548	20264	TT	CC	1940494197
SNP_P1_234731_20478	NW_004516726.1	Scaffold1548	20478	CC	TT	1940494198
SNP_P1_234732_21163	NW_004516726.1	Scaffold1548	21163	TT	GG	1940494199
SNP_P1_234733_24779	NW_004516726.1	Scaffold1548	24779	AA	GG	1940494200
SNP_P1_234734_25024	NW_004516726.1	Scaffold1548	25024	GG	TT	1940494201
SNP_P1_234735_26928	NW_004516726.1	Scaffold1548	26928	AA	GG	1940494202
SNP_P1_234736_27048	NW_004516726.1	Scaffold1548	27048	TT	CC	1940494203
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SNP_P1_234738_27497	NW_004516726.1	Scaffold1548	27497	GG	AA	1940494205
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SNP_P1_234740_27731	NW_004516726.1	Scaffold1548	27731	GG	AA	1940494207
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SNP_P1_234742_320	NW_004516727.1	Scaffold1549	320	AA	GG	1940494209
SNP_P1_234743_1566	NW_004516727.1	Scaffold1549	1566	AA	TT	1940494210
SNP_P1_234744_1596	NW_004516727.1	Scaffold1549	1596	AA	GG	1940494211
SNP_P1_234745_5792	NW_004516728.1	Scaffold1550	5792	AA	GG	1940494212
SNP_P1_234746_5795	NW_004516728.1	Scaffold1550	5795	GG	TT	1940494213
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SNP_P1_234762_18351	NW_004516728.1	Scaffold1550	18351	GG	TT	1940494228
SNP_P1_234763_41241	NW_004516728.1	Scaffold1550	41241	CC	TT	1940494229
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234767_43715	NW_004516728.1	Scaffold1550	43715	GG	AA	1940494233
SNP_P1_234768_43766	NW_004516728.1	Scaffold1550	43766	AA	CC	1940494234
SNP_P1_234769_43768	NW_004516728.1	Scaffold1550	43768	AA	GG	1940494235
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SNP_P1_234772_43907	NW_004516728.1	Scaffold1550	43907	AA	GG	1940494238
SNP_P1_234773_44137	NW_004516728.1	Scaffold1550	44137	AA	TT	1940494239
SNP_P1_234774_44240	NW_004516728.1	Scaffold1550	44240	AA	GG	1940494240
SNP_P1_234775_44277	NW_004516728.1	Scaffold1550	44277	TT	AA	1940494241
SNP_P1_234777_44394	NW_004516728.1	Scaffold1550	44394	TT	CC	1940494242
SNP_P1_234778_44511	NW_004516728.1	Scaffold1550	44511	AA	CC	1940494243
SNP_P1_234779_44512	NW_004516728.1	Scaffold1550	44512	CC	AA	1940494244
SNP_P1_234781_44616	NW_004516728.1	Scaffold1550	44616	TT	AA	1940494245
SNP_P1_234782_44617	NW_004516728.1	Scaffold1550	44617	TT	AA	1940494246
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SNP_P1_234784_49087	NW_004516728.1	Scaffold1550	49087	GG	AA	1940494248
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SNP_P1_234789_49398	NW_004516728.1	Scaffold1550	49398	CC	TT	1940494253
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SNP_P1_234804_62083	NW_004516728.1	Scaffold1550	62083	AA	TT	1940494267
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SNP_P1_234807_69491	NW_004516728.1	Scaffold1550	69491	AA	TT	1940494270
SNP_P1_234808_70705	NW_004516728.1	Scaffold1550	70705	AA	CC	1940494271
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234813_71336	NW_004516728.1	Scaffold1550	71336	TT	GG	1940494276
SNP_P1_234814_77604	NW_004516728.1	Scaffold1550	77604	AA	GG	1940494277
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SNP_P1_234816_77653	NW_004516728.1	Scaffold1550	77653	TT	CC	1940494279
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SNP_P1_234818_80378	NW_004516728.1	Scaffold1550	80378	AA	GG	1940494281
SNP_P1_234819_81716	NW_004516728.1	Scaffold1550	81716	GG	AA	1940494282
SNP_P1_234820_98854	NW_004516728.1	Scaffold1550	98854	TT	CC	1940494283
SNP_P1_234821_98862	NW_004516728.1	Scaffold1550	98862	TT	CC	1940494284
SNP_P1_234822_98869	NW_004516728.1	Scaffold1550	98869	TT	AA	1940494285
SNP_P1_234823_98870	NW_004516728.1	Scaffold1550	98870	GG	AA	1940494286
SNP_P1_234824_98885	NW_004516728.1	Scaffold1550	98885	CC	TT	1940494287
SNP_P1_234825_98936	NW_004516728.1	Scaffold1550	98936	GG	AA	1940494288
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SNP_P1_234832_100520	NW_004516728.1	Scaffold1550	100520	AA	CC	1940494295
SNP_P1_234833_100982	NW_004516728.1	Scaffold1550	100982	AA	TT	1940494296
SNP_P1_234834_105085	NW_004516728.1	Scaffold1550	105085	GG	AA	1940494297
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SNP_P1_234838_1954	NW_004516730.1	Scaffold1552	1954	CC	TT	1940494300
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SNP_P1_234840_2125	NW_004516730.1	Scaffold1552	2125	GG	AA	1940494302
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SNP_P1_234848_4872	NW_004516730.1	Scaffold1552	4872	TT	CC	1940494309
SNP_P1_234849_4911	NW_004516730.1	Scaffold1552	4911	CC	AA	1940494310
SNP_P1_234850_5040	NW_004516730.1	Scaffold1552	5040	AA	GG	1940494311
SNP_P1_234851_6321	NW_004516730.1	Scaffold1552	6321	CC	GG	1940494312
SNP_P1_234852_6352	NW_004516730.1	Scaffold1552	6352	TT	CC	1940494313
SNP_P1_234853_6353	NW_004516730.1	Scaffold1552	6353	CC	TT	1940494314

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234857_6585	NW_004516730.1	Scaffold1552	6585	GG	AA	1940494318
SNP_P1_234858_6591	NW_004516730.1	Scaffold1552	6591	CC	AA	1940494319
SNP_P1_234859_6596	NW_004516730.1	Scaffold1552	6596	GG	TT	1940494320
SNP_P1_234860_6598	NW_004516730.1	Scaffold1552	6598	CC	TT	1940494321
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SNP_P1_234863_8070	NW_004516730.1	Scaffold1552	8070	CC	TT	1940494324
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SNP_P1_234865_8197	NW_004516730.1	Scaffold1552	8197	GG	TT	1940494326
SNP_P1_234866_8275	NW_004516730.1	Scaffold1552	8275	CC	TT	1940494327
SNP_P1_234867_9070	NW_004516730.1	Scaffold1552	9070	CC	TT	1940494328
SNP_P1_234868_9073	NW_004516730.1	Scaffold1552	9073	GG	TT	1940494329
SNP_P1_234869_10445	NW_004516730.1	Scaffold1552	10445	GG	AA	1940494330
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SNP_P1_234888_19992	NW_004516730.1	Scaffold1552	19992	GG	AA	1940494350
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SNP_P1_234894_4317	NW_004516731.1	Scaffold1553	4317	TT	CC	1940494356
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234906_1540	NW_004516734.1	Scaffold1557	1540	TT	GG	1940494368
SNP_P1_234908_1793	NW_004516734.1	Scaffold1557	1793	AA	TT	1940494369
SNP_P1_234909_2027	NW_004516734.1	Scaffold1557	2027	CC	GG	1940494370
SNP_P1_234910_3229	NW_004516734.1	Scaffold1557	3229	TT	CC	1940494371
SNP_P1_234911_3703	NW_004516734.1	Scaffold1557	3703	TT	AA	1940494372
SNP_P1_234912_3722	NW_004516734.1	Scaffold1557	3722	TT	CC	1940494373
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SNP_P1_234914_320	NW_004516736.1	Scaffold1559	320	AA	TT	1940494375
SNP_P1_234915_321	NW_004516736.1	Scaffold1559	321	TT	CC	1940494376
SNP_P1_234916_426	NW_004516736.1	Scaffold1559	426	GG	CC	1940494377
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SNP_P1_234923_955	NW_004516736.1	Scaffold1559	955	AA	GG	1940494383
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SNP_P1_234939_17612	NW_004516738.1	Scaffold1561	17612	GG	TT	1940494398
SNP_P1_234940_17790	NW_004516738.1	Scaffold1561	17790	CC	TT	1940494399

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234951_52694	NW_004516738.1	Scaffold1561	52694	AA	GG	1940494410
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SNP_P1_234953_52742	NW_004516738.1	Scaffold1561	52742	CC	TT	1940494412
SNP_P1_234954_53063	NW_004516738.1	Scaffold1561	53063	GG	TT	1940494413
SNP_P1_234955_54774	NW_004516738.1	Scaffold1561	54774	AA	GG	1940494414
SNP_P1_234956_55106	NW_004516738.1	Scaffold1561	55106	AA	TT	1940494415
SNP_P1_234957_55110	NW_004516738.1	Scaffold1561	55110	AA	GG	1940494416
SNP_P1_234958_55118	NW_004516738.1	Scaffold1561	55118	CC	TT	1940494417
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SNP_P1_234961_55164	NW_004516738.1	Scaffold1561	55164	TT	CC	1940494420
SNP_P1_234962_55182	NW_004516738.1	Scaffold1561	55182	TT	AA	1940494421
SNP_P1_234963_55184	NW_004516738.1	Scaffold1561	55184	CC	AA	1940494422
SNP_P1_234964_55229	NW_004516738.1	Scaffold1561	55229	CC	AA	1940494423
SNP_P1_234965_55271	NW_004516738.1	Scaffold1561	55271	CC	TT	1940494424
SNP_P1_234966_55285	NW_004516738.1	Scaffold1561	55285	AA	TT	1940494425
SNP_P1_234967_55298	NW_004516738.1	Scaffold1561	55298	GG	AA	1940494426
SNP_P1_234968_55328	NW_004516738.1	Scaffold1561	55328	AA	TT	1940494427
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SNP_P1_234970_55334	NW_004516738.1	Scaffold1561	55334	AA	CC	1940494429
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SNP_P1_234977_69882	NW_004516738.1	Scaffold1561	69882	GG	TT	1940494436
SNP_P1_234978_69885	NW_004516738.1	Scaffold1561	69885	GG	TT	1940494437
SNP_P1_234979_70042	NW_004516738.1	Scaffold1561	70042	AA	GG	1940494438
SNP_P1_234980_70061	NW_004516738.1	Scaffold1561	70061	TT	AA	1940494439
SNP_P1_234981_70094	NW_004516738.1	Scaffold1561	70094	AA	TT	1940494440
SNP_P1_234982_70119	NW_004516738.1	Scaffold1561	70119	AA	GG	1940494441

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_234985_70521	NW_004516738.1	Scaffold1561	70521	TT	CC	1940494444
SNP_P1_234986_70536	NW_004516738.1	Scaffold1561	70536	AA	TT	1940494445
SNP_P1_234987_70544	NW_004516738.1	Scaffold1561	70544	AA	CC	1940494446
SNP_P1_234988_70628	NW_004516738.1	Scaffold1561	70628	AA	GG	1940494447
SNP_P1_234989_70667	NW_004516738.1	Scaffold1561	70667	TT	CC	1940494448
SNP_P1_234990_70917	NW_004516738.1	Scaffold1561	70917	TT	AA	1940494449
SNP_P1_234991_70926	NW_004516738.1	Scaffold1561	70926	GG	AA	1940494450
SNP_P1_234992_80132	NW_004516738.1	Scaffold1561	80132	AA	GG	1940494451
SNP_P1_234993_80157	NW_004516738.1	Scaffold1561	80157	TT	GG	1940494452
SNP_P1_234994_80419	NW_004516738.1	Scaffold1561	80419	AA	GG	1940494453
SNP_P1_234995_84548	NW_004516738.1	Scaffold1561	84548	CC	TT	1940494454
SNP_P1_234996_979	NW_004516739.1	Scaffold1562	979	GG	AA	1940494455
SNP_P1_234997_994	NW_004516739.1	Scaffold1562	994	GG	AA	1940494456
SNP_P1_234998_1069	NW_004516739.1	Scaffold1562	1069	CC	AA	1940494457
SNP_P1_234999_1080	NW_004516739.1	Scaffold1562	1080	AA	CC	1940494458
SNP_P1_235000_1082	NW_004516739.1	Scaffold1562	1082	GG	AA	1940494459
SNP_P1_235001_16132	NW_004516739.1	Scaffold1562	16132	TT	GG	1940494460
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SNP_P1_235004_39286	NW_004516739.1	Scaffold1562	39286	GG	TT	1940494462
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SNP_P1_235007_51153	NW_004516739.1	Scaffold1562	51153	CC	AA	1940494464
SNP_P1_235008_51417	NW_004516739.1	Scaffold1562	51417	TT	CC	1940494465
SNP_P1_235009_56687	NW_004516739.1	Scaffold1562	56687	CC	TT	1940494466
SNP_P1_235012_63430	NW_004516739.1	Scaffold1562	63430	GG	TT	1940494467
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SNP_P1_235014_64444	NW_004516739.1	Scaffold1562	64444	GG	AA	1940494469
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SNP_P1_235019_98936	NW_004516739.1	Scaffold1562	98936	CC	AA	1940494475
SNP_P1_235020_101367	NW_004516739.1	Scaffold1562	101367	CC	TT	1940494476
SNP_P1_235021_101427	NW_004516739.1	Scaffold1562	101427	TT	CC	1940494477
SNP_P1_235022_101624	NW_004516739.1	Scaffold1562	101624	AA	CC	1940494478
SNP_P1_235023_101879	NW_004516739.1	Scaffold1562	101879	AA	GG	1940494479
SNP_P1_235024_101893	NW_004516739.1	Scaffold1562	101893	AA	TT	1940494480
SNP_P1_235025_101963	NW_004516739.1	Scaffold1562	101963	TT	AA	1940494481
SNP_P1_235026_102254	NW_004516739.1	Scaffold1562	102254	TT	GG	1940494482
SNP_P1_235027_102314	NW_004516739.1	Scaffold1562	102314	TT	AA	1940494483
SNP_P1_235028_103703	NW_004516739.1	Scaffold1562	103703	AA	GG	1940494484

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235030_126117	NW_004516739.1	Scaffold1562	126117	GG	AA	1940494486
SNP_P1_235031_140636	NW_004516739.1	Scaffold1562	140636	TT	CC	1940494487
SNP_P1_235032_20563	NW_004516740.1	Scaffold1565	20563	TT	GG	1940494488
SNP_P1_235033_20594	NW_004516740.1	Scaffold1565	20594	CC	AA	1940494489
SNP_P1_235034_20612	NW_004516740.1	Scaffold1565	20612	AA	GG	1940494490
SNP_P1_235035_1641	NW_004516741.1	Scaffold1566	1641	AA	GG	1940494491
SNP_P1_235036_1691	NW_004516742.1	Scaffold1568	1691	AA	CC	1940494492
SNP_P1_235037_1861	NW_004516742.1	Scaffold1568	1861	TT	GG	1940494493
SNP_P1_235038_1981	NW_004516742.1	Scaffold1568	1981	GG	CC	1940494494
SNP_P1_235039_2042	NW_004516742.1	Scaffold1568	2042	GG	TT	1940494495
SNP_P1_235040_2130	NW_004516742.1	Scaffold1568	2130	TT	AA	1940494496
SNP_P1_235041_2271	NW_004516742.1	Scaffold1568	2271	TT	AA	1940494497
SNP_P1_235042_2750	NW_004516742.1	Scaffold1568	2750	AA	GG	1940494498
SNP_P1_235043_9412	NW_004516742.1	Scaffold1568	9412	GG	TT	1940494499
SNP_P1_235044_9656	NW_004516742.1	Scaffold1568	9656	GG	AA	1940494500
SNP_P1_235045_9662	NW_004516742.1	Scaffold1568	9662	TT	AA	1940494501
SNP_P1_235046_9764	NW_004516742.1	Scaffold1568	9764	CC	AA	1940494502
SNP_P1_235047_11652	NW_004516742.1	Scaffold1568	11652	GG	TT	1940494503
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SNP_P1_235049_11933	NW_004516742.1	Scaffold1568	11933	TT	CC	1940494505
SNP_P1_235050_12003	NW_004516742.1	Scaffold1568	12003	AA	TT	1940494506
SNP_P1_235051_13473	NW_004516742.1	Scaffold1568	13473	GG	AA	1940494507
SNP_P1_235052_14044	NW_004516742.1	Scaffold1568	14044	TT	AA	1940494508
SNP_P1_235053_16578	NW_004516742.1	Scaffold1568	16578	CC	AA	1940494509
SNP_P1_235054_16683	NW_004516742.1	Scaffold1568	16683	GG	CC	1940494510
SNP_P1_235055_17007	NW_004516742.1	Scaffold1568	17007	AA	GG	1940494511
SNP_P1_235056_17241	NW_004516742.1	Scaffold1568	17241	GG	TT	1940494512
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SNP_P1_235058_17457	NW_004516742.1	Scaffold1568	17457	AA	GG	1940494514
SNP_P1_235059_17905	NW_004516742.1	Scaffold1568	17905	CC	GG	1940494515
SNP_P1_235060_18012	NW_004516742.1	Scaffold1568	18012	AA	TT	1940494516
SNP_P1_235061_18251	NW_004516742.1	Scaffold1568	18251	CC	TT	1940494517
SNP_P1_235062_18252	NW_004516742.1	Scaffold1568	18252	AA	GG	1940494518
SNP_P1_235063_18909	NW_004516742.1	Scaffold1568	18909	TT	AA	1940494519
SNP_P1_235064_18971	NW_004516742.1	Scaffold1568	18971	CC	TT	1940494520
SNP_P1_235065_21888	NW_004516742.1	Scaffold1568	21888	TT	AA	1940494521
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SNP_P1_235067_22219	NW_004516742.1	Scaffold1568	22219	CC	TT	1940494523
SNP_P1_235068_22311	NW_004516742.1	Scaffold1568	22311	AA	GG	1940494524
SNP_P1_235069_22332	NW_004516742.1	Scaffold1568	22332	CC	TT	1940494525
SNP_P1_235070_22470	NW_004516742.1	Scaffold1568	22470	GG	TT	1940494526

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235072_22846	NW_004516742.1	Scaffold1568	22846	GG	TT	1940494528
SNP_P1_235073_22966	NW_004516742.1	Scaffold1568	22966	AA	TT	1940494529
SNP_P1_235074_22973	NW_004516742.1	Scaffold1568	22973	CC	TT	1940494530
SNP_P1_235075_22977	NW_004516742.1	Scaffold1568	22977	GG	AA	1940494531
SNP_P1_235076_23008	NW_004516742.1	Scaffold1568	23008	TT	AA	1940494532
SNP_P1_235077_23068	NW_004516742.1	Scaffold1568	23068	TT	AA	1940494533
SNP_P1_235078_23072	NW_004516742.1	Scaffold1568	23072	TT	CC	1940494534
SNP_P1_235079_23088	NW_004516742.1	Scaffold1568	23088	TT	CC	1940494535
SNP_P1_235081_23196	NW_004516742.1	Scaffold1568	23196	TT	GG	1940494536
SNP_P1_235082_23315	NW_004516742.1	Scaffold1568	23315	CC	TT	1940494537
SNP_P1_235083_23429	NW_004516742.1	Scaffold1568	23429	TT	AA	1940494538
SNP_P1_235084_23610	NW_004516742.1	Scaffold1568	23610	AA	GG	1940494539
SNP_P1_235085_23659	NW_004516742.1	Scaffold1568	23659	GG	CC	1940494540
SNP_P1_235086_23667	NW_004516742.1	Scaffold1568	23667	AA	TT	1940494541
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SNP_P1_235089_24778	NW_004516742.1	Scaffold1568	24778	TT	GG	1940494544
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SNP_P1_235096_29455	NW_004516742.1	Scaffold1568	29455	CC	GG	1940494550
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SNP_P1_235116_44511	NW_004516742.1	Scaffold1568	44511	GG	TT	1940494566
SNP_P1_235117_44530	NW_004516742.1	Scaffold1568	44530	TT	AA	1940494567
SNP_P1_235118_44551	NW_004516742.1	Scaffold1568	44551	CC	AA	1940494568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235121_44576	NW_004516742.1	Scaffold1568	44576	AA	TT	1940494571
SNP_P1_235122_44592	NW_004516742.1	Scaffold1568	44592	CC	TT	1940494572
SNP_P1_235123_44593	NW_004516742.1	Scaffold1568	44593	TT	AA	1940494573
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SNP_P1_235129_45899	NW_004516742.1	Scaffold1568	45899	CC	GG	1940494579
SNP_P1_235130_46253	NW_004516742.1	Scaffold1568	46253	TT	CC	1940494580
SNP_P1_235131_46286	NW_004516742.1	Scaffold1568	46286	AA	TT	1940494581
SNP_P1_235132_46493	NW_004516742.1	Scaffold1568	46493	TT	CC	1940494582
SNP_P1_235133_46720	NW_004516742.1	Scaffold1568	46720	GG	AA	1940494583
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SNP_P1_235136_47683	NW_004516742.1	Scaffold1568	47683	TT	AA	1940494586
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SNP_P1_235147_51726	NW_004516742.1	Scaffold1568	51726	CC	GG	1940494597
SNP_P1_235148_51914	NW_004516742.1	Scaffold1568	51914	GG	AA	1940494598
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SNP_P1_235159_62925	NW_004516742.1	Scaffold1568	62925	TT	CC	1940494609
SNP_P1_235160_66587	NW_004516742.1	Scaffold1568	66587	TT	AA	1940494610

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SNP_P1_235171_73221	NW_004516742.1	Scaffold1568	73221	AA	CC	1940494621
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235208_13233	NW_004516743.1	Scaffold1569	13233	AA	GG	1940494658
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SNP_P1_235214_19628	NW_004516743.1	Scaffold1569	19628	CC	TT	1940494664
SNP_P1_235215_19634	NW_004516743.1	Scaffold1569	19634	CC	AA	1940494665
SNP_P1_235216_25106	NW_004516743.1	Scaffold1569	25106	AA	TT	1940494666
SNP_P1_235217_25545	NW_004516743.1	Scaffold1569	25545	GG	AA	1940494667
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SNP_P1_235219_25655	NW_004516743.1	Scaffold1569	25655	TT	AA	1940494669
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235256_68795	NW_004516747.1	Scaffold1574	68795	CC	TT	1940494702
SNP_P1_235257_68815	NW_004516747.1	Scaffold1574	68815	GG	AA	1940494703
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SNP_P1_235259_69328	NW_004516747.1	Scaffold1574	69328	TT	CC	1940494705
SNP_P1_235260_78324	NW_004516747.1	Scaffold1574	78324	AA	TT	1940494706
SNP_P1_235261_84308	NW_004516747.1	Scaffold1574	84308	TT	GG	1940494707
SNP_P1_235262_98891	NW_004516747.1	Scaffold1574	98891	TT	CC	1940494708
SNP_P1_235263_109247	NW_004516747.1	Scaffold1574	109247	CC	TT	1940494709
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SNP_P1_235266_110172	NW_004516747.1	Scaffold1574	110172	TT	CC	1940494712
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SNP_P1_235273_123942	NW_004516748.1	Scaffold1575	123942	TT	CC	1940494719
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SNP_P1_235290_17190	NW_004516751.1	Scaffold1578	17190	CC	TT	1940494736
SNP_P1_235291_17684	NW_004516751.1	Scaffold1578	17684	TT	CC	1940494737

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235297_22308	NW_004516751.1	Scaffold1578	22308	AA	TT	1940494741
SNP_P1_235298_22353	NW_004516751.1	Scaffold1578	22353	AA	GG	1940494742
SNP_P1_235299_29434	NW_004516751.1	Scaffold1578	29434	TT	AA	1940494743
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SNP_P1_235301_29512	NW_004516751.1	Scaffold1578	29512	CC	TT	1940494745
SNP_P1_235302_29533	NW_004516751.1	Scaffold1578	29533	TT	AA	1940494746
SNP_P1_235303_29557	NW_004516751.1	Scaffold1578	29557	GG	AA	1940494747
SNP_P1_235304_29622	NW_004516751.1	Scaffold1578	29622	TT	AA	1940494748
SNP_P1_235306_29940	NW_004516751.1	Scaffold1578	29940	TT	AA	1940494749
SNP_P1_235307_30054	NW_004516751.1	Scaffold1578	30054	AA	TT	1940494750
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235384_65117	NW_004516752.1	Scaffold1579	65117	TT	CC	1940494819
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SNP_P1_235390_65477	NW_004516752.1	Scaffold1579	65477	TT	AA	1940494825
SNP_P1_235391_65542	NW_004516752.1	Scaffold1579	65542	TT	CC	1940494826
SNP_P1_235392_70076	NW_004516752.1	Scaffold1579	70076	AA	CC	1940494827
SNP_P1_235393_70437	NW_004516752.1	Scaffold1579	70437	AA	GG	1940494828
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SNP_P1_235395_77474	NW_004516752.1	Scaffold1579	77474	GG	TT	1940494830
SNP_P1_235396_77681	NW_004516752.1	Scaffold1579	77681	TT	AA	1940494831
SNP_P1_235397_77718	NW_004516752.1	Scaffold1579	77718	GG	AA	1940494832
SNP_P1_235398_82828	NW_004516752.1	Scaffold1579	82828	CC	TT	1940494833
SNP_P1_235399_82869	NW_004516752.1	Scaffold1579	82869	GG	AA	1940494834
SNP_P1_235400_82872	NW_004516752.1	Scaffold1579	82872	GG	AA	1940494835
SNP_P1_235401_82884	NW_004516752.1	Scaffold1579	82884	GG	AA	1940494836
SNP_P1_235402_82895	NW_004516752.1	Scaffold1579	82895	TT	CC	1940494837
SNP_P1_235403_82896	NW_004516752.1	Scaffold1579	82896	CC	TT	1940494838
SNP_P1_235404_87998	NW_004516752.1	Scaffold1579	87998	GG	AA	1940494839
SNP_P1_235405_101664	NW_004516752.1	Scaffold1579	101664	CC	TT	1940494840
SNP_P1_235406_133788	NW_004516752.1	Scaffold1579	133788	CC	AA	1940494841
SNP_P1_235407_149501	NW_004516752.1	Scaffold1579	149501	TT	CC	1940494842
SNP_P1_235408_153244	NW_004516752.1	Scaffold1579	153244	CC	TT	1940494843
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SNP_P1_235411_165673	NW_004516752.1	Scaffold1579	165673	AA	TT	1940494846
SNP_P1_235412_166898	NW_004516752.1	Scaffold1579	166898	TT	GG	1940494847
SNP_P1_235413_167152	NW_004516752.1	Scaffold1579	167152	GG	AA	1940494848
SNP_P1_235414_167157	NW_004516752.1	Scaffold1579	167157	TT	AA	1940494849
SNP_P1_235415_167198	NW_004516752.1	Scaffold1579	167198	CC	TT	1940494850
SNP_P1_235416_173717	NW_004516752.1	Scaffold1579	173717	AA	CC	1940494851
SNP_P1_235417_179527	NW_004516752.1	Scaffold1579	179527	AA	TT	1940494852
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SNP_P1_235420_184364	NW_004516752.1	Scaffold1579	184364	AA	GG	1940494855
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SNP_P1_235423_187208	NW_004516752.1	Scaffold1579	187208	TT	CC	1940494858
SNP_P1_235424_187217	NW_004516752.1	Scaffold1579	187217	TT	GG	1940494859
SNP_P1_235425_187245	NW_004516752.1	Scaffold1579	187245	TT	GG	1940494860
SNP_P1_235426_194242	NW_004516752.1	Scaffold1579	194242	AA	CC	1940494861
SNP_P1_235427_194455	NW_004516752.1	Scaffold1579	194455	CC	TT	1940494862
SNP_P1_235428_194457	NW_004516752.1	Scaffold1579	194457	AA	CC	1940494863

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235430_198561	NW_004516752.1	Scaffold1579	198561	GG	AA	1940494865
SNP_P1_235431_202976	NW_004516752.1	Scaffold1579	202976	GG	TT	1940494866
SNP_P1_235432_202979	NW_004516752.1	Scaffold1579	202979	CC	AA	1940494867
SNP_P1_235433_202987	NW_004516752.1	Scaffold1579	202987	GG	CC	1940494868
SNP_P1_235434_203001	NW_004516752.1	Scaffold1579	203001	AA	TT	1940494869
SNP_P1_235435_203342	NW_004516752.1	Scaffold1579	203342	TT	CC	1940494870
SNP_P1_235436_203345	NW_004516752.1	Scaffold1579	203345	AA	CC	1940494871
SNP_P1_235437_203423	NW_004516752.1	Scaffold1579	203423	AA	GG	1940494872
SNP_P1_235438_203425	NW_004516752.1	Scaffold1579	203425	GG	CC	1940494873
SNP_P1_235439_203490	NW_004516752.1	Scaffold1579	203490	AA	TT	1940494874
SNP_P1_235440_205535	NW_004516752.1	Scaffold1579	205535	GG	TT	1940494875
SNP_P1_235441_205771	NW_004516752.1	Scaffold1579	205771	GG	CC	1940494876
SNP_P1_235442_226214	NW_004516752.1	Scaffold1579	226214	TT	CC	1940494877
SNP_P1_235443_228342	NW_004516752.1	Scaffold1579	228342	GG	AA	1940494878
SNP_P1_235444_232819	NW_004516752.1	Scaffold1579	232819	AA	CC	1940494879
SNP_P1_235445_232820	NW_004516752.1	Scaffold1579	232820	AA	TT	1940494880
SNP_P1_235446_232830	NW_004516752.1	Scaffold1579	232830	TT	AA	1940494881
SNP_P1_235447_233206	NW_004516752.1	Scaffold1579	233206	AA	GG	1940494882
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SNP_P1_235452_234325	NW_004516752.1	Scaffold1579	234325	AA	GG	1940494887
SNP_P1_235453_234343	NW_004516752.1	Scaffold1579	234343	AA	TT	1940494888
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SNP_P1_235455_236567	NW_004516752.1	Scaffold1579	236567	TT	AA	1940494890
SNP_P1_235456_240973	NW_004516752.1	Scaffold1579	240973	AA	GG	1940494891
SNP_P1_235457_241246	NW_004516752.1	Scaffold1579	241246	AA	CC	1940494892
SNP_P1_235458_241330	NW_004516752.1	Scaffold1579	241330	TT	CC	1940494893
SNP_P1_235459_241413	NW_004516752.1	Scaffold1579	241413	AA	GG	1940494894
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SNP_P1_235461_241773	NW_004516752.1	Scaffold1579	241773	GG	TT	1940494896
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SNP_P1_235463_243292	NW_004516752.1	Scaffold1579	243292	AA	CC	1940494898
SNP_P1_235464_243297	NW_004516752.1	Scaffold1579	243297	CC	TT	1940494899
SNP_P1_235465_243396	NW_004516752.1	Scaffold1579	243396	TT	GG	1940494900
SNP_P1_235466_243578	NW_004516752.1	Scaffold1579	243578	AA	TT	1940494901
SNP_P1_235467_243710	NW_004516752.1	Scaffold1579	243710	TT	CC	1940494902
SNP_P1_235468_243755	NW_004516752.1	Scaffold1579	243755	TT	CC	1940494903
SNP_P1_235469_243800	NW_004516752.1	Scaffold1579	243800	AA	GG	1940494904
SNP_P1_235470_243804	NW_004516752.1	Scaffold1579	243804	TT	CC	1940494905

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235472_244431	NW_004516752.1	Scaffold1579	244431	AA	GG	1940494907
SNP_P1_235473_244445	NW_004516752.1	Scaffold1579	244445	TT	CC	1940494908
SNP_P1_235474_244829	NW_004516752.1	Scaffold1579	244829	AA	TT	1940494909
SNP_P1_235475_7171	NW_004516753.1	Scaffold1580	7171	TT	CC	1940494910
SNP_P1_235476_7202	NW_004516753.1	Scaffold1580	7202	AA	TT	1940494911
SNP_P1_235477_7207	NW_004516753.1	Scaffold1580	7207	AA	CC	1940494912
SNP_P1_235478_7217	NW_004516753.1	Scaffold1580	7217	TT	GG	1940494913
SNP_P1_235479_7241	NW_004516753.1	Scaffold1580	7241	AA	CC	1940494914
SNP_P1_235480_7294	NW_004516753.1	Scaffold1580	7294	TT	AA	1940494915
SNP_P1_235481_7298	NW_004516753.1	Scaffold1580	7298	AA	TT	1940494916
SNP_P1_235482_7300	NW_004516753.1	Scaffold1580	7300	AA	TT	1940494917
SNP_P1_235483_7311	NW_004516753.1	Scaffold1580	7311	CC	TT	1940494918
SNP_P1_235484_7551	NW_004516753.1	Scaffold1580	7551	GG	AA	1940494919
SNP_P1_235485_7596	NW_004516753.1	Scaffold1580	7596	TT	AA	1940494920
SNP_P1_235487_61949	NW_004516753.1	Scaffold1580	61949	AA	GG	1940494921
SNP_P1_235489_64542	NW_004516753.1	Scaffold1580	64542	AA	TT	1940494922
SNP_P1_235490_68276	NW_004516753.1	Scaffold1580	68276	CC	TT	1940494923
SNP_P1_235491_69803	NW_004516753.1	Scaffold1580	69803	TT	GG	1940494924
SNP_P1_235492_69840	NW_004516753.1	Scaffold1580	69840	AA	TT	1940494925
SNP_P1_235493_69874	NW_004516753.1	Scaffold1580	69874	TT	CC	1940494926
SNP_P1_235495_70138	NW_004516753.1	Scaffold1580	70138	GG	AA	1940494927
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SNP_P1_235500_113640	NW_004516753.1	Scaffold1580	113640	TT	CC	1940494930
SNP_P1_235501_169206	NW_004516753.1	Scaffold1580	169206	TT	GG	1940494931
SNP_P1_235502_169207	NW_004516753.1	Scaffold1580	169207	TT	CC	1940494932
SNP_P1_235503_169774	NW_004516753.1	Scaffold1580	169774	CC	TT	1940494933
SNP_P1_235504_169880	NW_004516753.1	Scaffold1580	169880	CC	AA	1940494934
SNP_P1_235506_184211	NW_004516753.1	Scaffold1580	184211	CC	TT	1940494935
SNP_P1_235508_184262	NW_004516753.1	Scaffold1580	184262	GG	AA	1940494936
SNP_P1_235509_184304	NW_004516753.1	Scaffold1580	184304	TT	AA	1940494937
SNP_P1_235510_184575	NW_004516753.1	Scaffold1580	184575	CC	TT	1940494938
SNP_P1_235511_185221	NW_004516753.1	Scaffold1580	185221	AA	GG	1940494939
SNP_P1_235512_185231	NW_004516753.1	Scaffold1580	185231	CC	TT	1940494940
SNP_P1_235513_185311	NW_004516753.1	Scaffold1580	185311	TT	CC	1940494941
SNP_P1_235514_199311	NW_004516753.1	Scaffold1580	199311	AA	TT	1940494942
SNP_P1_235515_228552	NW_004516753.1	Scaffold1580	228552	CC	TT	1940494943
SNP_P1_235516_232566	NW_004516753.1	Scaffold1580	232566	CC	AA	1940494944
SNP_P1_235517_232585	NW_004516753.1	Scaffold1580	232585	GG	AA	1940494945
SNP_P1_235521_280493	NW_004516753.1	Scaffold1580	280493	GG	AA	1940494946
SNP_P1_235522_289415	NW_004516753.1	Scaffold1580	289415	AA	GG	1940494947

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235525_319135	NW_004516753.1	Scaffold1580	319135	TT	AA	1940494949
SNP_P1_235526_352556	NW_004516753.1	Scaffold1580	352556	AA	GG	1940494950
SNP_P1_235527_356639	NW_004516753.1	Scaffold1580	356639	GG	TT	1940494951
SNP_P1_235528_356640	NW_004516753.1	Scaffold1580	356640	TT	GG	1940494952
SNP_P1_235530_361067	NW_004516753.1	Scaffold1580	361067	TT	CC	1940494953
SNP_P1_235531_361103	NW_004516753.1	Scaffold1580	361103	AA	TT	1940494954
SNP_P1_235532_394585	NW_004516753.1	Scaffold1580	394585	GG	TT	1940494955
SNP_P1_235533_395578	NW_004516753.1	Scaffold1580	395578	AA	GG	1940494956
SNP_P1_235534_416939	NW_004516753.1	Scaffold1580	416939	GG	AA	1940494957
SNP_P1_235535_424574	NW_004516753.1	Scaffold1580	424574	TT	GG	1940494958
SNP_P1_235536_431081	NW_004516753.1	Scaffold1580	431081	AA	TT	1940494959
SNP_P1_235537_445333	NW_004516753.1	Scaffold1580	445333	TT	CC	1940494960
SNP_P1_235538_447377	NW_004516753.1	Scaffold1580	447377	AA	CC	1940494961
SNP_P1_235539_471838	NW_004516753.1	Scaffold1580	471838	GG	AA	1940494962
SNP_P1_235541_472094	NW_004516753.1	Scaffold1580	472094	GG	AA	1940494963
SNP_P1_235546_472715	NW_004516753.1	Scaffold1580	472715	TT	GG	1940494964
SNP_P1_235547_472834	NW_004516753.1	Scaffold1580	472834	AA	TT	1940494965
SNP_P1_235548_472849	NW_004516753.1	Scaffold1580	472849	CC	AA	1940494966
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SNP_P1_235553_472951	NW_004516753.1	Scaffold1580	472951	CC	AA	1940494973
SNP_P1_235554_472952	NW_004516753.1	Scaffold1580	472952	AA	GG	1940494975
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SNP_P1_235557_473120	NW_004516753.1	Scaffold1580	473120	GG	AA	1940494979
SNP_P1_235558_473123	NW_004516753.1	Scaffold1580	473123	AA	TT	1940494981
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SNP_P1_235561_473347	NW_004516753.1	Scaffold1580	473347	AA	GG	1940494986
SNP_P1_235562_473356	NW_004516753.1	Scaffold1580	473356	CC	AA	1940494988
SNP_P1_235563_504661	NW_004516753.1	Scaffold1580	504661	AA	GG	1940494989
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SNP_P1_235565_504949	NW_004516753.1	Scaffold1580	504949	CC	TT	1940494993
SNP_P1_235566_504952	NW_004516753.1	Scaffold1580	504952	AA	CC	1940494994
SNP_P1_235567_505307	NW_004516753.1	Scaffold1580	505307	AA	CC	1940494996
SNP_P1_235568_505415	NW_004516753.1	Scaffold1580	505415	TT	CC	1940494997
SNP_P1_235569_505416	NW_004516753.1	Scaffold1580	505416	AA	GG	1940494999
SNP_P1_235570_7731	NW_004516754.1	Scaffold1581	7731	GG	CC	1940495000
SNP_P1_235571_7781	NW_004516754.1	Scaffold1581	7781	AA	GG	1940495002

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235574_14237	NW_004516754.1	Scaffold1581	14237	AA	CC	1940495007
SNP_P1_235575_156	NW_004516755.1	Scaffold1585	156	GG	TT	1940495008
SNP_P1_235576_12515	NW_004516755.1	Scaffold1585	12515	GG	CC	1940495010
SNP_P1_235577_22507	NW_004516755.1	Scaffold1585	22507	AA	GG	1940495012
SNP_P1_235578_48417	NW_004516755.1	Scaffold1585	48417	AA	TT	1940495014
SNP_P1_235579_48421	NW_004516755.1	Scaffold1585	48421	CC	TT	1940495017
SNP_P1_235580_56428	NW_004516755.1	Scaffold1585	56428	TT	CC	1940495019
SNP_P1_235581_57966	NW_004516755.1	Scaffold1585	57966	CC	AA	1940495021
SNP_P1_235582_57971	NW_004516755.1	Scaffold1585	57971	GG	AA	1940495023
SNP_P1_235583_57975	NW_004516755.1	Scaffold1585	57975	CC	TT	1940495025
SNP_P1_235584_58019	NW_004516755.1	Scaffold1585	58019	AA	GG	1940495027
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SNP_P1_235586_58032	NW_004516755.1	Scaffold1585	58032	CC	GG	1940495032
SNP_P1_235587_58074	NW_004516755.1	Scaffold1585	58074	AA	GG	1940495034
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SNP_P1_235593_58562	NW_004516755.1	Scaffold1585	58562	GG	AA	1940495047
SNP_P1_235594_58577	NW_004516755.1	Scaffold1585	58577	TT	CC	1940495049
SNP_P1_235595_58785	NW_004516755.1	Scaffold1585	58785	AA	CC	1940495051
SNP_P1_235597_58805	NW_004516755.1	Scaffold1585	58805	TT	CC	1940495053
SNP_P1_235600_59001	NW_004516755.1	Scaffold1585	59001	CC	TT	1940495055
SNP_P1_235601_61903	NW_004516755.1	Scaffold1585	61903	CC	TT	1940495057
SNP_P1_235602_62120	NW_004516755.1	Scaffold1585	62120	CC	AA	1940495059
SNP_P1_235603_62170	NW_004516755.1	Scaffold1585	62170	TT	CC	1940495061
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SNP_P1_235606_147399	NW_004516755.1	Scaffold1585	147399	TT	CC	1940495068
SNP_P1_235607_147556	NW_004516755.1	Scaffold1585	147556	AA	GG	1940495070
SNP_P1_235608_147605	NW_004516755.1	Scaffold1585	147605	AA	GG	1940495072
SNP_P1_235609_147703	NW_004516755.1	Scaffold1585	147703	TT	CC	1940495074
SNP_P1_235610_147778	NW_004516755.1	Scaffold1585	147778	AA	CC	1940495076
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SNP_P1_235612_183085	NW_004516755.1	Scaffold1585	183085	AA	TT	1940495081
SNP_P1_235613_183105	NW_004516755.1	Scaffold1585	183105	GG	CC	1940495083
SNP_P1_235615_183381	NW_004516755.1	Scaffold1585	183381	CC	TT	1940495085
SNP_P1_235616_183403	NW_004516755.1	Scaffold1585	183403	GG	AA	1940495087
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235619_188127	NW_004516755.1	Scaffold1585	188127	AA	GG	1940495094
SNP_P1_235620_427	NW_004516756.1	Scaffold1586	427	GG	AA	1940495096
SNP_P1_235621_799	NW_004516756.1	Scaffold1586	799	TT	CC	1940495098
SNP_P1_235622_913	NW_004516756.1	Scaffold1586	913	AA	TT	1940495100
SNP_P1_235623_1291	NW_004516756.1	Scaffold1586	1291	TT	CC	1940495102
SNP_P1_235624_1821	NW_004516756.1	Scaffold1586	1821	AA	TT	1940495104
SNP_P1_235626_2154	NW_004516756.1	Scaffold1586	2154	GG	AA	1940495106
SNP_P1_235627_8959	NW_004516756.1	Scaffold1586	8959	GG	AA	1940495109
SNP_P1_235628_11439	NW_004516756.1	Scaffold1586	11439	TT	AA	1940495111
SNP_P1_235629_12304	NW_004516756.1	Scaffold1586	12304	TT	AA	1940495113
SNP_P1_235630_4771	NW_004516758.1	Scaffold1588	4771	AA	TT	1940495115
SNP_P1_235631_6506	NW_004516758.1	Scaffold1588	6506	AA	GG	1940495117
SNP_P1_235632_6528	NW_004516758.1	Scaffold1588	6528	AA	GG	1940495119
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SNP_P1_235634_8364	NW_004516759.1	Scaffold1590	8364	CC	TT	1940495124
SNP_P1_235635_8373	NW_004516759.1	Scaffold1590	8373	AA	CC	1940495126
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SNP_P1_235639_8609	NW_004516759.1	Scaffold1590	8609	TT	CC	1940495134
SNP_P1_235640_8633	NW_004516759.1	Scaffold1590	8633	CC	AA	1940495136
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SNP_P1_235644_12414	NW_004516759.1	Scaffold1590	12414	TT	CC	1940495145
SNP_P1_235646_12622	NW_004516759.1	Scaffold1590	12622	AA	GG	1940495147
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SNP_P1_235649_2969	NW_004516762.1	Scaffold1599	2969	GG	CC	1940495152
SNP_P1_235650_3897	NW_004516762.1	Scaffold1599	3897	AA	CC	1940495154
SNP_P1_235651_426	NW_004516763.1	Scaffold1600	426	AA	TT	1940495155
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SNP_P1_235657_7678	NW_004516764.1	Scaffold1603	7678	CC	TT	1940495164
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SNP_P1_235659_7688	NW_004516764.1	Scaffold1603	7688	GG	TT	1940495168
SNP_P1_235660_7744	NW_004516764.1	Scaffold1603	7744	TT	CC	1940495169
SNP_P1_235661_13766	NW_004516764.1	Scaffold1603	13766	GG	TT	1940495171

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235664_46703	NW_004516764.1	Scaffold1603	46703	TT	CC	1940495176
SNP_P1_235665_46878	NW_004516764.1	Scaffold1603	46878	AA	CC	1940495177
SNP_P1_235666_47057	NW_004516764.1	Scaffold1603	47057	CC	TT	1940495179
SNP_P1_235667_47110	NW_004516764.1	Scaffold1603	47110	TT	AA	1940495180
SNP_P1_235668_1338	NW_004516765.1	Scaffold1606	1338	GG	AA	1940495182
SNP_P1_235669_1505	NW_004516765.1	Scaffold1606	1505	TT	AA	1940495184
SNP_P1_235670_1570	NW_004516765.1	Scaffold1606	1570	AA	GG	1940495186
SNP_P1_235671_1691	NW_004516765.1	Scaffold1606	1691	AA	TT	1940495188
SNP_P1_235672_1812	NW_004516765.1	Scaffold1606	1812	CC	GG	1940495190
SNP_P1_235673_1903	NW_004516765.1	Scaffold1606	1903	CC	GG	1940495192
SNP_P1_235674_1927	NW_004516765.1	Scaffold1606	1927	GG	AA	1940495194
SNP_P1_235675_1954	NW_004516765.1	Scaffold1606	1954	TT	CC	1940495197
SNP_P1_235676_1958	NW_004516765.1	Scaffold1606	1958	GG	TT	1940495199
SNP_P1_235677_1967	NW_004516765.1	Scaffold1606	1967	TT	CC	1940495201
SNP_P1_235678_9874	NW_004516766.1	Scaffold1607	9874	GG	AA	1940495203
SNP_P1_235679_14171	NW_004516766.1	Scaffold1607	14171	AA	TT	1940495205
SNP_P1_235680_14323	NW_004516766.1	Scaffold1607	14323	GG	TT	1940495207
SNP_P1_235681_14540	NW_004516766.1	Scaffold1607	14540	GG	AA	1940495209
SNP_P1_235682_31817	NW_004516766.1	Scaffold1607	31817	GG	AA	1940495212
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SNP_P1_235688_41384	NW_004516766.1	Scaffold1607	41384	GG	AA	1940495220
SNP_P1_235689_41478	NW_004516766.1	Scaffold1607	41478	CC	AA	1940495222
SNP_P1_235690_42086	NW_004516766.1	Scaffold1607	42086	CC	TT	1940495224
SNP_P1_235691_47255	NW_004516766.1	Scaffold1607	47255	AA	CC	1940495227
SNP_P1_235692_47267	NW_004516766.1	Scaffold1607	47267	AA	CC	1940495229
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SNP_P1_235697_53538	NW_004516766.1	Scaffold1607	53538	AA	GG	1940495237
SNP_P1_235699_66914	NW_004516766.1	Scaffold1607	66914	CC	TT	1940495239
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SNP_P1_235702_75678	NW_004516766.1	Scaffold1607	75678	AA	TT	1940495246
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SNP_P1_235704_76052	NW_004516766.1	Scaffold1607	76052	GG	AA	1940495250
SNP_P1_235706_91483	NW_004516766.1	Scaffold1607	91483	CC	TT	1940495252
SNP_P1_235707_99378	NW_004516766.1	Scaffold1607	99378	GG	AA	1940495254
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235712_117086	NW_004516766.1	Scaffold1607	117086	AA	GG	1940495263
SNP_P1_235713_117126	NW_004516766.1	Scaffold1607	117126	GG	CC	1940495265
SNP_P1_235714_117128	NW_004516766.1	Scaffold1607	117128	GG	TT	1940495267
SNP_P1_235715_117170	NW_004516766.1	Scaffold1607	117170	TT	AA	1940495269
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SNP_P1_235719_119768	NW_004516766.1	Scaffold1607	119768	AA	GG	1940495276
SNP_P1_235720_119775	NW_004516766.1	Scaffold1607	119775	GG	AA	1940495278
SNP_P1_235721_119813	NW_004516766.1	Scaffold1607	119813	TT	AA	1940495280
SNP_P1_235722_119895	NW_004516766.1	Scaffold1607	119895	GG	AA	1940495282
SNP_P1_235723_119896	NW_004516766.1	Scaffold1607	119896	CC	AA	1940495284
SNP_P1_235724_119928	NW_004516766.1	Scaffold1607	119928	TT	CC	1940495286
SNP_P1_235725_119938	NW_004516766.1	Scaffold1607	119938	AA	CC	1940495289
SNP_P1_235726_120038	NW_004516766.1	Scaffold1607	120038	CC	AA	1940495291
SNP_P1_235727_120081	NW_004516766.1	Scaffold1607	120081	GG	TT	1940495293
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SNP_P1_235745_2428	NW_004516771.1	Scaffold1613	2428	AA	GG	1940495325
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SNP_P1_235750_11396	NW_004516771.1	Scaffold1613	11396	TT	GG	1940495336
SNP_P1_235752_28606	NW_004516771.1	Scaffold1613	28606	CC	TT	1940495338
SNP_P1_235753_41278	NW_004516771.1	Scaffold1613	41278	TT	AA	1940495340
SNP_P1_235754_41281	NW_004516771.1	Scaffold1613	41281	AA	GG	1940495342
SNP_P1_235755_41529	NW_004516771.1	Scaffold1613	41529	AA	TT	1940495344
SNP_P1_235756_46476	NW_004516771.1	Scaffold1613	46476	CC	GG	1940495346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235761_65341	NW_004516771.1	Scaffold1613	65341	GG	AA	1940495355
SNP_P1_235762_65476	NW_004516771.1	Scaffold1613	65476	AA	GG	1940495357
SNP_P1_235763_88689	NW_004516771.1	Scaffold1613	88689	TT	AA	1940495359
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SNP_P1_235768_98146	NW_004516771.1	Scaffold1613	98146	AA	CC	1940495370
SNP_P1_235770_98293	NW_004516771.1	Scaffold1613	98293	TT	GG	1940495372
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SNP_P1_235791_5153	NW_004516772.1	Scaffold1614	5153	CC	GG	1940495410
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SNP_P1_235802_7663	NW_004516772.1	Scaffold1614	7663	CC	AA	1940495433
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235806_8113	NW_004516772.1	Scaffold1614	8113	AA	CC	1940495442
SNP_P1_235808_8344	NW_004516772.1	Scaffold1614	8344	GG	TT	1940495444
SNP_P1_235809_8697	NW_004516772.1	Scaffold1614	8697	TT	CC	1940495446
SNP_P1_235810_9022	NW_004516772.1	Scaffold1614	9022	GG	AA	1940495448
SNP_P1_235811_9032	NW_004516772.1	Scaffold1614	9032	GG	AA	1940495450
SNP_P1_235812_9318	NW_004516772.1	Scaffold1614	9318	TT	CC	1940495452
SNP_P1_235813_9319	NW_004516772.1	Scaffold1614	9319	GG	AA	1940495455
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SNP_P1_235815_9462	NW_004516772.1	Scaffold1614	9462	AA	CC	1940495459
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SNP_P1_235831_14276	NW_004516772.1	Scaffold1614	14276	TT	GG	1940495491
SNP_P1_235832_14422	NW_004516772.1	Scaffold1614	14422	GG	CC	1940495493
SNP_P1_235833_14445	NW_004516772.1	Scaffold1614	14445	AA	TT	1940495495
SNP_P1_235834_19767	NW_004516772.1	Scaffold1614	19767	TT	CC	1940495497
SNP_P1_235835_27327	NW_004516772.1	Scaffold1614	27327	TT	GG	1940495499
SNP_P1_235836_27334	NW_004516772.1	Scaffold1614	27334	AA	CC	1940495501
SNP_P1_235837_49089	NW_004516772.1	Scaffold1614	49089	CC	AA	1940495503
SNP_P1_235838_58041	NW_004516772.1	Scaffold1614	58041	TT	GG	1940495506
SNP_P1_235840_58587	NW_004516772.1	Scaffold1614	58587	CC	TT	1940495508
SNP_P1_235841_62087	NW_004516772.1	Scaffold1614	62087	TT	CC	1940495510
SNP_P1_235842_66848	NW_004516772.1	Scaffold1614	66848	CC	TT	1940495512
SNP_P1_235843_70035	NW_004516772.1	Scaffold1614	70035	TT	AA	1940495514
SNP_P1_235844_71303	NW_004516772.1	Scaffold1614	71303	TT	CC	1940495516
SNP_P1_235845_71312	NW_004516772.1	Scaffold1614	71312	CC	AA	1940495518
SNP_P1_235846_71343	NW_004516772.1	Scaffold1614	71343	TT	AA	1940495520
SNP_P1_235847_71375	NW_004516772.1	Scaffold1614	71375	GG	CC	1940495523
SNP_P1_235848_80356	NW_004516772.1	Scaffold1614	80356	TT	GG	1940495525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235850_80682	NW_004516772.1	Scaffold1614	80682	GG	CC	1940495529
SNP_P1_235851_90008	NW_004516772.1	Scaffold1614	90008	AA	TT	1940495531
SNP_P1_235852_90324	NW_004516772.1	Scaffold1614	90324	TT	AA	1940495533
SNP_P1_235853_95855	NW_004516772.1	Scaffold1614	95855	CC	TT	1940495535
SNP_P1_235854_96569	NW_004516772.1	Scaffold1614	96569	CC	TT	1940495538
SNP_P1_235855_97219	NW_004516772.1	Scaffold1614	97219	GG	CC	1940495540
SNP_P1_235856_99702	NW_004516772.1	Scaffold1614	99702	CC	TT	1940495542
SNP_P1_235857_100165	NW_004516772.1	Scaffold1614	100165	AA	GG	1940495544
SNP_P1_235858_100446	NW_004516772.1	Scaffold1614	100446	CC	AA	1940495546
SNP_P1_235859_102331	NW_004516772.1	Scaffold1614	102331	TT	GG	1940495548
SNP_P1_235860_102663	NW_004516772.1	Scaffold1614	102663	TT	GG	1940495550
SNP_P1_235861_103646	NW_004516772.1	Scaffold1614	103646	GG	TT	1940495553
SNP_P1_235862_104578	NW_004516772.1	Scaffold1614	104578	CC	TT	1940495555
SNP_P1_235863_104583	NW_004516772.1	Scaffold1614	104583	CC	TT	1940495557
SNP_P1_235864_104589	NW_004516772.1	Scaffold1614	104589	GG	CC	1940495559
SNP_P1_235865_104596	NW_004516772.1	Scaffold1614	104596	CC	TT	1940495561
SNP_P1_235866_104600	NW_004516772.1	Scaffold1614	104600	CC	TT	1940495563
SNP_P1_235867_104607	NW_004516772.1	Scaffold1614	104607	GG	AA	1940495565
SNP_P1_235868_105128	NW_004516772.1	Scaffold1614	105128	TT	GG	1940495568
SNP_P1_235869_108769	NW_004516772.1	Scaffold1614	108769	GG	AA	1940495570
SNP_P1_235870_108782	NW_004516772.1	Scaffold1614	108782	CC	TT	1940495572
SNP_P1_235871_110728	NW_004516772.1	Scaffold1614	110728	TT	GG	1940495574
SNP_P1_235872_111066	NW_004516772.1	Scaffold1614	111066	TT	CC	1940495576
SNP_P1_235873_111164	NW_004516772.1	Scaffold1614	111164	GG	AA	1940495578
SNP_P1_235874_112105	NW_004516772.1	Scaffold1614	112105	GG	AA	1940495580
SNP_P1_235875_112879	NW_004516772.1	Scaffold1614	112879	TT	AA	1940495583
SNP_P1_235876_113023	NW_004516772.1	Scaffold1614	113023	AA	TT	1940495585
SNP_P1_235877_113229	NW_004516772.1	Scaffold1614	113229	TT	CC	1940495587
SNP_P1_235878_113859	NW_004516772.1	Scaffold1614	113859	TT	CC	1940495589
SNP_P1_235879_113930	NW_004516772.1	Scaffold1614	113930	AA	TT	1940495591
SNP_P1_235880_114003	NW_004516772.1	Scaffold1614	114003	TT	CC	1940495593
SNP_P1_235881_114019	NW_004516772.1	Scaffold1614	114019	CC	TT	1940495595
SNP_P1_235882_114044	NW_004516772.1	Scaffold1614	114044	TT	CC	1940495598
SNP_P1_235883_114068	NW_004516772.1	Scaffold1614	114068	TT	CC	1940495600
SNP_P1_235884_114287	NW_004516772.1	Scaffold1614	114287	GG	AA	1940495602
SNP_P1_235885_114288	NW_004516772.1	Scaffold1614	114288	AA	CC	1940495604
SNP_P1_235886_114298	NW_004516772.1	Scaffold1614	114298	GG	TT	1940495606
SNP_P1_235887_114325	NW_004516772.1	Scaffold1614	114325	AA	GG	1940495608
SNP_P1_235888_114347	NW_004516772.1	Scaffold1614	114347	AA	GG	1940495610
SNP_P1_235889_114654	NW_004516772.1	Scaffold1614	114654	CC	GG	1940495613
SNP_P1_235890_114700	NW_004516772.1	Scaffold1614	114700	CC	TT	1940495615

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235892_114756	NW_004516772.1	Scaffold1614	114756	AA	TT	1940495619
SNP_P1_235893_114805	NW_004516772.1	Scaffold1614	114805	GG	AA	1940495621
SNP_P1_235894_114810	NW_004516772.1	Scaffold1614	114810	GG	AA	1940495623
SNP_P1_235895_114818	NW_004516772.1	Scaffold1614	114818	AA	TT	1940495625
SNP_P1_235896_114852	NW_004516772.1	Scaffold1614	114852	CC	GG	1940495628
SNP_P1_235897_114866	NW_004516772.1	Scaffold1614	114866	GG	TT	1940495630
SNP_P1_235898_114869	NW_004516772.1	Scaffold1614	114869	TT	AA	1940495632
SNP_P1_235899_114883	NW_004516772.1	Scaffold1614	114883	TT	CC	1940495634
SNP_P1_235900_114900	NW_004516772.1	Scaffold1614	114900	TT	CC	1940495636
SNP_P1_235901_114913	NW_004516772.1	Scaffold1614	114913	GG	AA	1940495638
SNP_P1_235902_114920	NW_004516772.1	Scaffold1614	114920	TT	AA	1940495641
SNP_P1_235903_114921	NW_004516772.1	Scaffold1614	114921	AA	TT	1940495643
SNP_P1_235904_114926	NW_004516772.1	Scaffold1614	114926	TT	GG	1940495645
SNP_P1_235905_114977	NW_004516772.1	Scaffold1614	114977	AA	CC	1940495647
SNP_P1_235906_115028	NW_004516772.1	Scaffold1614	115028	CC	TT	1940495649
SNP_P1_235907_115113	NW_004516772.1	Scaffold1614	115113	AA	GG	1940495651
SNP_P1_235908_115114	NW_004516772.1	Scaffold1614	115114	TT	GG	1940495653
SNP_P1_235909_115120	NW_004516772.1	Scaffold1614	115120	CC	GG	1940495655
SNP_P1_235910_115131	NW_004516772.1	Scaffold1614	115131	CC	TT	1940495657
SNP_P1_235911_115283	NW_004516772.1	Scaffold1614	115283	GG	AA	1940495659
SNP_P1_235912_115334	NW_004516772.1	Scaffold1614	115334	TT	GG	1940495660
SNP_P1_235913_115627	NW_004516772.1	Scaffold1614	115627	GG	AA	1940495662
SNP_P1_235914_115749	NW_004516772.1	Scaffold1614	115749	TT	CC	1940495664
SNP_P1_235915_115750	NW_004516772.1	Scaffold1614	115750	GG	AA	1940495665
SNP_P1_235916_115760	NW_004516772.1	Scaffold1614	115760	GG	AA	1940495667
SNP_P1_235917_115773	NW_004516772.1	Scaffold1614	115773	GG	CC	1940495669
SNP_P1_235918_115857	NW_004516772.1	Scaffold1614	115857	CC	TT	1940495670
SNP_P1_235919_116264	NW_004516772.1	Scaffold1614	116264	TT	AA	1940495672
SNP_P1_235920_116740	NW_004516772.1	Scaffold1614	116740	AA	TT	1940495674
SNP_P1_235921_116898	NW_004516772.1	Scaffold1614	116898	TT	AA	1940495675
SNP_P1_235922_116917	NW_004516772.1	Scaffold1614	116917	CC	GG	1940495677
SNP_P1_235923_117002	NW_004516772.1	Scaffold1614	117002	GG	AA	1940495680
SNP_P1_235924_118616	NW_004516772.1	Scaffold1614	118616	AA	TT	1940495682
SNP_P1_235925_118980	NW_004516772.1	Scaffold1614	118980	TT	CC	1940495684
SNP_P1_235926_119678	NW_004516772.1	Scaffold1614	119678	TT	GG	1940495686
SNP_P1_235927_119989	NW_004516772.1	Scaffold1614	119989	TT	GG	1940495688
SNP_P1_235928_120875	NW_004516772.1	Scaffold1614	120875	GG	CC	1940495690
SNP_P1_235929_120964	NW_004516772.1	Scaffold1614	120964	TT	AA	1940495692
SNP_P1_235930_121033	NW_004516772.1	Scaffold1614	121033	CC	GG	1940495695
SNP_P1_235931_121043	NW_004516772.1	Scaffold1614	121043	CC	TT	1940495697
SNP_P1_235932_121702	NW_004516772.1	Scaffold1614	121702	AA	CC	1940495699

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235934_124290	NW_004516772.1	Scaffold1614	124290	GG	AA	1940495703
SNP_P1_235935_124660	NW_004516772.1	Scaffold1614	124660	GG	TT	1940495705
SNP_P1_235937_132630	NW_004516772.1	Scaffold1614	132630	AA	CC	1940495708
SNP_P1_235938_132680	NW_004516772.1	Scaffold1614	132680	AA	GG	1940495710
SNP_P1_235939_132916	NW_004516772.1	Scaffold1614	132916	CC	AA	1940495712
SNP_P1_235940_133251	NW_004516772.1	Scaffold1614	133251	TT	GG	1940495714
SNP_P1_235941_133769	NW_004516772.1	Scaffold1614	133769	CC	AA	1940495716
SNP_P1_235942_134404	NW_004516772.1	Scaffold1614	134404	AA	TT	1940495718
SNP_P1_235943_135517	NW_004516772.1	Scaffold1614	135517	GG	AA	1940495720
SNP_P1_235944_135560	NW_004516772.1	Scaffold1614	135560	CC	TT	1940495723
SNP_P1_235945_136578	NW_004516772.1	Scaffold1614	136578	GG	TT	1940495725
SNP_P1_235946_137114	NW_004516772.1	Scaffold1614	137114	CC	GG	1940495727
SNP_P1_235947_140867	NW_004516772.1	Scaffold1614	140867	CC	TT	1940495729
SNP_P1_235948_141715	NW_004516772.1	Scaffold1614	141715	GG	AA	1940495731
SNP_P1_235949_142008	NW_004516772.1	Scaffold1614	142008	TT	GG	1940495733
SNP_P1_235950_145930	NW_004516772.1	Scaffold1614	145930	AA	TT	1940495735
SNP_P1_235951_146533	NW_004516772.1	Scaffold1614	146533	CC	TT	1940495738
SNP_P1_235952_146683	NW_004516772.1	Scaffold1614	146683	TT	CC	1940495740
SNP_P1_235953_148170	NW_004516772.1	Scaffold1614	148170	AA	TT	1940495742
SNP_P1_235954_148233	NW_004516772.1	Scaffold1614	148233	AA	GG	1940495744
SNP_P1_235955_148237	NW_004516772.1	Scaffold1614	148237	AA	GG	1940495746
SNP_P1_235956_148238	NW_004516772.1	Scaffold1614	148238	CC	GG	1940495748
SNP_P1_235957_148248	NW_004516772.1	Scaffold1614	148248	GG	AA	1940495750
SNP_P1_235958_151877	NW_004516772.1	Scaffold1614	151877	TT	AA	1940495753
SNP_P1_235959_151892	NW_004516772.1	Scaffold1614	151892	AA	TT	1940495755
SNP_P1_235960_152159	NW_004516772.1	Scaffold1614	152159	AA	TT	1940495757
SNP_P1_235961_152936	NW_004516772.1	Scaffold1614	152936	CC	TT	1940495759
SNP_P1_235962_153481	NW_004516772.1	Scaffold1614	153481	CC	TT	1940495761
SNP_P1_235963_154090	NW_004516772.1	Scaffold1614	154090	TT	CC	1940495763
SNP_P1_235964_154092	NW_004516772.1	Scaffold1614	154092	AA	CC	1940495765
SNP_P1_235965_154173	NW_004516772.1	Scaffold1614	154173	GG	CC	1940495768
SNP_P1_235966_154349	NW_004516772.1	Scaffold1614	154349	CC	AA	1940495770
SNP_P1_235967_154402	NW_004516772.1	Scaffold1614	154402	CC	TT	1940495772
SNP_P1_235968_155028	NW_004516772.1	Scaffold1614	155028	GG	TT	1940495774
SNP_P1_235969_155686	NW_004516772.1	Scaffold1614	155686	TT	CC	1940495776
SNP_P1_235970_157135	NW_004516772.1	Scaffold1614	157135	GG	CC	1940495778
SNP_P1_235971_158187	NW_004516772.1	Scaffold1614	158187	CC	GG	1940495780
SNP_P1_235972_158255	NW_004516772.1	Scaffold1614	158255	AA	GG	1940495783
SNP_P1_235973_159007	NW_004516772.1	Scaffold1614	159007	CC	GG	1940495785
SNP_P1_235974_159655	NW_004516772.1	Scaffold1614	159655	AA	CC	1940495787
SNP_P1_235975_160277	NW_004516772.1	Scaffold1614	160277	TT	CC	1940495789

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_235977_161706	NW_004516772.1	Scaffold1614	161706	AA	CC	1940495793
SNP_P1_235978_162051	NW_004516772.1	Scaffold1614	162051	CC	GG	1940495795
SNP_P1_235979_162298	NW_004516772.1	Scaffold1614	162298	CC	GG	1940495797
SNP_P1_235980_162315	NW_004516772.1	Scaffold1614	162315	AA	CC	1940495800
SNP_P1_235981_163795	NW_004516772.1	Scaffold1614	163795	GG	TT	1940495802
SNP_P1_235982_163848	NW_004516772.1	Scaffold1614	163848	AA	GG	1940495804
SNP_P1_235983_163859	NW_004516772.1	Scaffold1614	163859	GG	AA	1940495806
SNP_P1_235984_163872	NW_004516772.1	Scaffold1614	163872	GG	AA	1940495808
SNP_P1_235985_163894	NW_004516772.1	Scaffold1614	163894	GG	AA	1940495810
SNP_P1_235986_164141	NW_004516772.1	Scaffold1614	164141	CC	TT	1940495813
SNP_P1_235987_164145	NW_004516772.1	Scaffold1614	164145	AA	GG	1940495815
SNP_P1_235988_164153	NW_004516772.1	Scaffold1614	164153	CC	GG	1940495817
SNP_P1_235989_164156	NW_004516772.1	Scaffold1614	164156	AA	TT	1940495819
SNP_P1_235990_164157	NW_004516772.1	Scaffold1614	164157	CC	AA	1940495821
SNP_P1_235991_164277	NW_004516772.1	Scaffold1614	164277	AA	GG	1940495823
SNP_P1_235992_164282	NW_004516772.1	Scaffold1614	164282	TT	GG	1940495825
SNP_P1_235993_164494	NW_004516772.1	Scaffold1614	164494	GG	AA	1940495827
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SNP_P1_235996_164555	NW_004516772.1	Scaffold1614	164555	GG	AA	1940495834
SNP_P1_235997_165721	NW_004516772.1	Scaffold1614	165721	AA	GG	1940495836
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SNP_P1_235999_166206	NW_004516772.1	Scaffold1614	166206	AA	CC	1940495840
SNP_P1_236000_167131	NW_004516772.1	Scaffold1614	167131	GG	CC	1940495842
SNP_P1_236001_167342	NW_004516772.1	Scaffold1614	167342	GG	TT	1940495845
SNP_P1_236002_168001	NW_004516772.1	Scaffold1614	168001	CC	AA	1940495847
SNP_P1_236003_168014	NW_004516772.1	Scaffold1614	168014	AA	GG	1940495849
SNP_P1_236004_168729	NW_004516772.1	Scaffold1614	168729	TT	CC	1940495851
SNP_P1_236005_168858	NW_004516772.1	Scaffold1614	168858	GG	CC	1940495853
SNP_P1_236006_169135	NW_004516772.1	Scaffold1614	169135	AA	CC	1940495855
SNP_P1_236007_184308	NW_004516772.1	Scaffold1614	184308	AA	CC	1940495857
SNP_P1_236009_186366	NW_004516772.1	Scaffold1614	186366	CC	AA	1940495859
SNP_P1_236010_186442	NW_004516772.1	Scaffold1614	186442	AA	TT	1940495861
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SNP_P1_236012_186771	NW_004516772.1	Scaffold1614	186771	AA	GG	1940495865
SNP_P1_236013_186772	NW_004516772.1	Scaffold1614	186772	AA	GG	1940495866
SNP_P1_236014_186861	NW_004516772.1	Scaffold1614	186861	CC	AA	1940495868
SNP_P1_236015_186870	NW_004516772.1	Scaffold1614	186870	CC	GG	1940495870
SNP_P1_236016_187728	NW_004516772.1	Scaffold1614	187728	AA	GG	1940495872
SNP_P1_236017_188421	NW_004516772.1	Scaffold1614	188421	AA	CC	1940495873
SNP_P1_236019_190866	NW_004516772.1	Scaffold1614	190866	TT	AA	1940495875

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236021_192882	NW_004516772.1	Scaffold1614	192882	GG	AA	1940495878
SNP_P1_236022_193059	NW_004516772.1	Scaffold1614	193059	AA	GG	1940495880
SNP_P1_236023_193075	NW_004516772.1	Scaffold1614	193075	GG	AA	1940495881
SNP_P1_236024_193112	NW_004516772.1	Scaffold1614	193112	GG	AA	1940495883
SNP_P1_236025_193134	NW_004516772.1	Scaffold1614	193134	AA	GG	1940495885
SNP_P1_236026_194652	NW_004516772.1	Scaffold1614	194652	GG	AA	1940495887
SNP_P1_236027_546	NW_004516773.1	Scaffold1615	546	CC	TT	1940495889
SNP_P1_236028_549	NW_004516773.1	Scaffold1615	549	GG	AA	1940495891
SNP_P1_236029_637	NW_004516773.1	Scaffold1615	637	TT	CC	1940495893
SNP_P1_236030_1050	NW_004516773.1	Scaffold1615	1050	GG	TT	1940495895
SNP_P1_236031_1104	NW_004516773.1	Scaffold1615	1104	GG	AA	1940495898
SNP_P1_236032_1540	NW_004516774.1	Scaffold1616	1540	CC	TT	1940495900
SNP_P1_236033_430	NW_004516775.1	Scaffold1620	430	TT	GG	1940495902
SNP_P1_236034_516	NW_004516775.1	Scaffold1620	516	TT	CC	1940495904
SNP_P1_236035_810	NW_004516775.1	Scaffold1620	810	TT	GG	1940495906
SNP_P1_236036_995	NW_004516775.1	Scaffold1620	995	AA	TT	1940495908
SNP_P1_236037_1074	NW_004516775.1	Scaffold1620	1074	GG	AA	1940495910
SNP_P1_236038_1163	NW_004516775.1	Scaffold1620	1163	GG	AA	1940495913
SNP_P1_236039_1228	NW_004516775.1	Scaffold1620	1228	GG	AA	1940495915
SNP_P1_236040_1292	NW_004516775.1	Scaffold1620	1292	GG	AA	1940495917
SNP_P1_236041_2337	NW_004516775.1	Scaffold1620	2337	TT	CC	1940495919
SNP_P1_236042_2338	NW_004516775.1	Scaffold1620	2338	TT	AA	1940495921
SNP_P1_236043_2404	NW_004516775.1	Scaffold1620	2404	CC	TT	1940495923
SNP_P1_236044_14045	NW_004516777.1	Scaffold1623	14045	GG	TT	1940495925
SNP_P1_236045_16461	NW_004516777.1	Scaffold1623	16461	GG	AA	1940495928
SNP_P1_236046_16713	NW_004516777.1	Scaffold1623	16713	AA	GG	1940495930
SNP_P1_236047_16743	NW_004516777.1	Scaffold1623	16743	AA	GG	1940495932
SNP_P1_236048_1163	NW_004516779.1	Scaffold1626	1163	TT	CC	1940495934
SNP_P1_236049_1165	NW_004516779.1	Scaffold1626	1165	GG	TT	1940495936
SNP_P1_236050_14500	NW_004516779.1	Scaffold1626	14500	AA	TT	1940495938
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SNP_P1_236055_31246	NW_004516779.1	Scaffold1626	31246	AA	GG	1940495948
SNP_P1_236056_31484	NW_004516779.1	Scaffold1626	31484	TT	GG	1940495950
SNP_P1_236057_31500	NW_004516779.1	Scaffold1626	31500	AA	GG	1940495951
SNP_P1_236058_31539	NW_004516779.1	Scaffold1626	31539	AA	CC	1940495953
SNP_P1_236059_32455	NW_004516779.1	Scaffold1626	32455	CC	TT	1940495954
SNP_P1_236060_37201	NW_004516779.1	Scaffold1626	37201	AA	GG	1940495956
SNP_P1_236061_37718	NW_004516779.1	Scaffold1626	37718	TT	CC	1940495958

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236063_108408	NW_004516779.1	Scaffold1626	108408	TT	AA	1940495962
SNP_P1_236064_108438	NW_004516779.1	Scaffold1626	108438	AA	CC	1940495963
SNP_P1_236065_108691	NW_004516779.1	Scaffold1626	108691	TT	GG	1940495965
SNP_P1_236066_108895	NW_004516779.1	Scaffold1626	108895	GG	AA	1940495967
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SNP_P1_236068_120382	NW_004516779.1	Scaffold1626	120382	GG	AA	1940495971
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SNP_P1_236071_124921	NW_004516779.1	Scaffold1626	124921	GG	AA	1940495974
SNP_P1_236072_127026	NW_004516779.1	Scaffold1626	127026	TT	CC	1940495976
SNP_P1_236073_127322	NW_004516779.1	Scaffold1626	127322	GG	AA	1940495977
SNP_P1_236074_128015	NW_004516779.1	Scaffold1626	128015	AA	TT	1940495979
SNP_P1_236075_128259	NW_004516779.1	Scaffold1626	128259	GG	AA	1940495981
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SNP_P1_236077_144738	NW_004516779.1	Scaffold1626	144738	GG	AA	1940495986
SNP_P1_236078_999	NW_004516781.1	Scaffold1630	999	GG	AA	1940495988
SNP_P1_236079_2346	NW_004516781.1	Scaffold1630	2346	AA	CC	1940495990
SNP_P1_236080_5941	NW_004516781.1	Scaffold1630	5941	TT	CC	1940495992
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SNP_P1_236084_7166	NW_004516781.1	Scaffold1630	7166	TT	CC	1940495998
SNP_P1_236085_8720	NW_004516781.1	Scaffold1630	8720	AA	GG	1940496001
SNP_P1_236086_8855	NW_004516781.1	Scaffold1630	8855	AA	GG	1940496003
SNP_P1_236087_11912	NW_004516781.1	Scaffold1630	11912	CC	AA	1940496005
SNP_P1_236088_11950	NW_004516781.1	Scaffold1630	11950	TT	CC	1940496007
SNP_P1_236089_12228	NW_004516781.1	Scaffold1630	12228	GG	AA	1940496009
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SNP_P1_236098_13548	NW_004516781.1	Scaffold1630	13548	AA	TT	1940496028
SNP_P1_236099_13555	NW_004516781.1	Scaffold1630	13555	GG	AA	1940496030
SNP_P1_236100_13576	NW_004516781.1	Scaffold1630	13576	GG	CC	1940496033
SNP_P1_236101_20341	NW_004516781.1	Scaffold1630	20341	CC	AA	1940496035
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SNP_P1_236103_20425	NW_004516781.1	Scaffold1630	20425	GG	TT	1940496039
SNP_P1_236104_20430	NW_004516781.1	Scaffold1630	20430	CC	TT	1940496041
SNP_P1_236105_28743	NW_004516781.1	Scaffold1630	28743	GG	AA	1940496043

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236108_30264	NW_004516781.1	Scaffold1630	30264	CC	TT	1940496050
SNP_P1_236109_30269	NW_004516781.1	Scaffold1630	30269	TT	CC	1940496052
SNP_P1_236110_30284	NW_004516781.1	Scaffold1630	30284	GG	CC	1940496054
SNP_P1_236111_30352	NW_004516781.1	Scaffold1630	30352	AA	GG	1940496056
SNP_P1_236112_30432	NW_004516781.1	Scaffold1630	30432	AA	GG	1940496058
SNP_P1_236113_30439	NW_004516781.1	Scaffold1630	30439	CC	AA	1940496060
SNP_P1_236114_30471	NW_004516781.1	Scaffold1630	30471	TT	CC	1940496063
SNP_P1_236115_30532	NW_004516781.1	Scaffold1630	30532	GG	AA	1940496065
SNP_P1_236116_30546	NW_004516781.1	Scaffold1630	30546	TT	CC	1940496067
SNP_P1_236117_30550	NW_004516781.1	Scaffold1630	30550	AA	TT	1940496069
SNP_P1_236118_30645	NW_004516781.1	Scaffold1630	30645	GG	TT	1940496071
SNP_P1_236119_35798	NW_004516781.1	Scaffold1630	35798	TT	CC	1940496073
SNP_P1_236120_37040	NW_004516781.1	Scaffold1630	37040	GG	AA	1940496075
SNP_P1_236121_37113	NW_004516781.1	Scaffold1630	37113	CC	TT	1940496078
SNP_P1_236122_37136	NW_004516781.1	Scaffold1630	37136	TT	AA	1940496080
SNP_P1_236123_37163	NW_004516781.1	Scaffold1630	37163	TT	CC	1940496082
SNP_P1_236124_37168	NW_004516781.1	Scaffold1630	37168	TT	AA	1940496084
SNP_P1_236125_37204	NW_004516781.1	Scaffold1630	37204	CC	TT	1940496086
SNP_P1_236126_37251	NW_004516781.1	Scaffold1630	37251	TT	AA	1940496088
SNP_P1_236127_37317	NW_004516781.1	Scaffold1630	37317	TT	AA	1940496090
SNP_P1_236128_37323	NW_004516781.1	Scaffold1630	37323	GG	CC	1940496093
SNP_P1_236129_37333	NW_004516781.1	Scaffold1630	37333	GG	TT	1940496095
SNP_P1_236130_37343	NW_004516781.1	Scaffold1630	37343	GG	CC	1940496097
SNP_P1_236131_37493	NW_004516781.1	Scaffold1630	37493	AA	TT	1940496099
SNP_P1_236132_37606	NW_004516781.1	Scaffold1630	37606	TT	CC	1940496101
SNP_P1_236133_37643	NW_004516781.1	Scaffold1630	37643	AA	TT	1940496103
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SNP_P1_236135_42390	NW_004516781.1	Scaffold1630	42390	AA	GG	1940496108
SNP_P1_236136_44047	NW_004516781.1	Scaffold1630	44047	GG	CC	1940496110
SNP_P1_236137_44317	NW_004516781.1	Scaffold1630	44317	CC	TT	1940496112
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SNP_P1_236139_47781	NW_004516781.1	Scaffold1630	47781	CC	AA	1940496116
SNP_P1_236140_47806	NW_004516781.1	Scaffold1630	47806	TT	CC	1940496118
SNP_P1_236141_48611	NW_004516781.1	Scaffold1630	48611	TT	GG	1940496120
SNP_P1_236142_57190	NW_004516781.1	Scaffold1630	57190	GG	AA	1940496122
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SNP_P1_236145_57318	NW_004516781.1	Scaffold1630	57318	CC	TT	1940496129
SNP_P1_236146_57327	NW_004516781.1	Scaffold1630	57327	AA	GG	1940496131
SNP_P1_236147_57673	NW_004516781.1	Scaffold1630	57673	GG	AA	1940496133

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236151_81561	NW_004516781.1	Scaffold1630	81561	AA	TT	1940496142
SNP_P1_236152_81577	NW_004516781.1	Scaffold1630	81577	TT	GG	1940496144
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SNP_P1_236154_91448	NW_004516781.1	Scaffold1630	91448	TT	GG	1940496148
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SNP_P1_236159_95537	NW_004516781.1	Scaffold1630	95537	AA	TT	1940496159
SNP_P1_236160_96749	NW_004516781.1	Scaffold1630	96749	AA	GG	1940496161
SNP_P1_236161_96750	NW_004516781.1	Scaffold1630	96750	AA	CC	1940496163
SNP_P1_236162_105399	NW_004516781.1	Scaffold1630	105399	GG	AA	1940496165
SNP_P1_236163_106780	NW_004516781.1	Scaffold1630	106780	TT	AA	1940496167
SNP_P1_236164_106811	NW_004516781.1	Scaffold1630	106811	GG	AA	1940496170
SNP_P1_236165_106812	NW_004516781.1	Scaffold1630	106812	GG	AA	1940496172
SNP_P1_236166_106827	NW_004516781.1	Scaffold1630	106827	CC	TT	1940496174
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SNP_P1_236171_107414	NW_004516781.1	Scaffold1630	107414	AA	TT	1940496185
SNP_P1_236172_107416	NW_004516781.1	Scaffold1630	107416	AA	GG	1940496187
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SNP_P1_236175_107734	NW_004516781.1	Scaffold1630	107734	CC	AA	1940496193
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SNP_P1_236184_109641	NW_004516781.1	Scaffold1630	109641	TT	AA	1940496212
SNP_P1_236185_110346	NW_004516781.1	Scaffold1630	110346	TT	AA	1940496214
SNP_P1_236186_111177	NW_004516781.1	Scaffold1630	111177	AA	GG	1940496217
SNP_P1_236187_111482	NW_004516781.1	Scaffold1630	111482	CC	TT	1940496219
SNP_P1_236188_111577	NW_004516781.1	Scaffold1630	111577	GG	TT	1940496221
SNP_P1_236189_112867	NW_004516781.1	Scaffold1630	112867	GG	AA	1940496223

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SNP_P1_236192_113272	NW_004516781.1	Scaffold1630	113272	TT	AA	1940496229
SNP_P1_236193_113343	NW_004516781.1	Scaffold1630	113343	GG	AA	1940496232
SNP_P1_236194_113350	NW_004516781.1	Scaffold1630	113350	TT	CC	1940496234
SNP_P1_236195_113637	NW_004516781.1	Scaffold1630	113637	AA	TT	1940496236
SNP_P1_236196_120895	NW_004516781.1	Scaffold1630	120895	GG	AA	1940496238
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SNP_P1_236201_125959	NW_004516781.1	Scaffold1630	125959	AA	GG	1940496249
SNP_P1_236202_135148	NW_004516781.1	Scaffold1630	135148	AA	GG	1940496251
SNP_P1_236203_136763	NW_004516781.1	Scaffold1630	136763	GG	CC	1940496253
SNP_P1_236204_136771	NW_004516781.1	Scaffold1630	136771	TT	CC	1940496255
SNP_P1_236205_137073	NW_004516781.1	Scaffold1630	137073	GG	AA	1940496257
SNP_P1_236206_141903	NW_004516781.1	Scaffold1630	141903	GG	CC	1940496259
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SNP_P1_236210_157676	NW_004516781.1	Scaffold1630	157676	GG	AA	1940496268
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SNP_P1_236213_157857	NW_004516781.1	Scaffold1630	157857	AA	GG	1940496272
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SNP_P1_236217_158107	NW_004516781.1	Scaffold1630	158107	TT	GG	1940496281
SNP_P1_236218_158181	NW_004516781.1	Scaffold1630	158181	GG	TT	1940496283
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SNP_P1_236220_159493	NW_004516781.1	Scaffold1630	159493	TT	AA	1940496287
SNP_P1_236221_160115	NW_004516781.1	Scaffold1630	160115	TT	GG	1940496289
SNP_P1_236222_160544	NW_004516781.1	Scaffold1630	160544	TT	CC	1940496291
SNP_P1_236223_170177	NW_004516781.1	Scaffold1630	170177	GG	TT	1940496294
SNP_P1_236224_170179	NW_004516781.1	Scaffold1630	170179	AA	TT	1940496296
SNP_P1_236225_175801	NW_004516781.1	Scaffold1630	175801	TT	CC	1940496298
SNP_P1_236226_175823	NW_004516781.1	Scaffold1630	175823	AA	GG	1940496300
SNP_P1_236227_175827	NW_004516781.1	Scaffold1630	175827	AA	GG	1940496302
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SNP_P1_236229_177223	NW_004516781.1	Scaffold1630	177223	CC	AA	1940496306
SNP_P1_236230_177254	NW_004516781.1	Scaffold1630	177254	AA	GG	1940496309
SNP_P1_236231_177737	NW_004516781.1	Scaffold1630	177737	CC	TT	1940496311
SNP_P1_236232_185020	NW_004516781.1	Scaffold1630	185020	CC	AA	1940496313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236234_185279	NW_004516781.1	Scaffold1630	185279	AA	GG	1940496317
SNP_P1_236235_185283	NW_004516781.1	Scaffold1630	185283	TT	AA	1940496319
SNP_P1_236236_185746	NW_004516781.1	Scaffold1630	185746	TT	CC	1940496321
SNP_P1_236237_187211	NW_004516781.1	Scaffold1630	187211	TT	GG	1940496323
SNP_P1_236238_187266	NW_004516781.1	Scaffold1630	187266	AA	TT	1940496326
SNP_P1_236239_187304	NW_004516781.1	Scaffold1630	187304	TT	AA	1940496328
SNP_P1_236240_2970	NW_004516782.1	Scaffold1631	2970	GG	AA	1940496330
SNP_P1_236243_45400	NW_004516782.1	Scaffold1631	45400	AA	TT	1940496332
SNP_P1_236244_45617	NW_004516782.1	Scaffold1631	45617	AA	TT	1940496334
SNP_P1_236245_45806	NW_004516782.1	Scaffold1631	45806	GG	AA	1940496336
SNP_P1_236246_45960	NW_004516782.1	Scaffold1631	45960	GG	AA	1940496338
SNP_P1_236247_45962	NW_004516782.1	Scaffold1631	45962	CC	AA	1940496341
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SNP_P1_236249_56482	NW_004516782.1	Scaffold1631	56482	CC	TT	1940496345
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SNP_P1_236251_58366	NW_004516782.1	Scaffold1631	58366	TT	AA	1940496349
SNP_P1_236252_86604	NW_004516782.1	Scaffold1631	86604	TT	GG	1940496351
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SNP_P1_236255_120923	NW_004516782.1	Scaffold1631	120923	CC	TT	1940496355
SNP_P1_236256_120934	NW_004516782.1	Scaffold1631	120934	TT	CC	1940496358
SNP_P1_236258_121042	NW_004516782.1	Scaffold1631	121042	AA	GG	1940496360
SNP_P1_236259_121043	NW_004516782.1	Scaffold1631	121043	AA	TT	1940496362
SNP_P1_236260_121051	NW_004516782.1	Scaffold1631	121051	AA	TT	1940496364
SNP_P1_236261_121095	NW_004516782.1	Scaffold1631	121095	TT	AA	1940496366
SNP_P1_236262_121099	NW_004516782.1	Scaffold1631	121099	AA	GG	1940496368
SNP_P1_236263_121105	NW_004516782.1	Scaffold1631	121105	GG	AA	1940496370
SNP_P1_236264_121402	NW_004516782.1	Scaffold1631	121402	CC	TT	1940496373
SNP_P1_236265_121469	NW_004516782.1	Scaffold1631	121469	GG	TT	1940496375
SNP_P1_236267_133009	NW_004516782.1	Scaffold1631	133009	TT	AA	1940496376
SNP_P1_236268_143672	NW_004516782.1	Scaffold1631	143672	GG	AA	1940496377
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SNP_P1_236271_175712	NW_004516782.1	Scaffold1631	175712	AA	GG	1940496381
SNP_P1_236272_175722	NW_004516782.1	Scaffold1631	175722	TT	CC	1940496383
SNP_P1_236273_175723	NW_004516782.1	Scaffold1631	175723	CC	AA	1940496386
SNP_P1_236274_175754	NW_004516782.1	Scaffold1631	175754	TT	CC	1940496388
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SNP_P1_236276_176841	NW_004516782.1	Scaffold1631	176841	AA	GG	1940496392
SNP_P1_236277_181758	NW_004516782.1	Scaffold1631	181758	CC	TT	1940496394
SNP_P1_236281_189250	NW_004516782.1	Scaffold1631	189250	AA	GG	1940496396
SNP_P1_236282_220093	NW_004516782.1	Scaffold1631	220093	GG	AA	1940496398
SNP_P1_236283_222535	NW_004516782.1	Scaffold1631	222535	TT	CC	1940496401

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236288_240593	NW_004516782.1	Scaffold1631	240593	GG	TT	1940496409
SNP_P1_236289_240644	NW_004516782.1	Scaffold1631	240644	CC	AA	1940496411
SNP_P1_236290_242577	NW_004516782.1	Scaffold1631	242577	TT	CC	1940496413
SNP_P1_236291_248815	NW_004516782.1	Scaffold1631	248815	CC	AA	1940496416
SNP_P1_236292_1664	NW_004516783.1	Scaffold1632	1664	AA	GG	1940496418
SNP_P1_236293_2039	NW_004516783.1	Scaffold1632	2039	GG	AA	1940496420
SNP_P1_236294_2049	NW_004516783.1	Scaffold1632	2049	TT	CC	1940496422
SNP_P1_236297_10894	NW_004516783.1	Scaffold1632	10894	AA	CC	1940496424
SNP_P1_236298_16853	NW_004516783.1	Scaffold1632	16853	AA	CC	1940496426
SNP_P1_236299_21456	NW_004516783.1	Scaffold1632	21456	AA	TT	1940496427
SNP_P1_236300_22848	NW_004516783.1	Scaffold1632	22848	TT	CC	1940496429
SNP_P1_236301_23447	NW_004516783.1	Scaffold1632	23447	GG	TT	1940496432
SNP_P1_236302_25865	NW_004516783.1	Scaffold1632	25865	TT	AA	1940496433
SNP_P1_236304_26487	NW_004516783.1	Scaffold1632	26487	TT	CC	1940496435
SNP_P1_236305_26610	NW_004516783.1	Scaffold1632	26610	AA	GG	1940496436
SNP_P1_236306_26638	NW_004516783.1	Scaffold1632	26638	CC	TT	1940496438
SNP_P1_236307_34938	NW_004516783.1	Scaffold1632	34938	CC	TT	1940496440
SNP_P1_236308_36996	NW_004516783.1	Scaffold1632	36996	AA	GG	1940496441
SNP_P1_236309_41789	NW_004516783.1	Scaffold1632	41789	GG	AA	1940496443
SNP_P1_236310_50796	NW_004516783.1	Scaffold1632	50796	GG	AA	1940496445
SNP_P1_236311_52295	NW_004516783.1	Scaffold1632	52295	TT	CC	1940496447
SNP_P1_236312_54191	NW_004516783.1	Scaffold1632	54191	TT	GG	1940496448
SNP_P1_236313_58992	NW_004516783.1	Scaffold1632	58992	GG	AA	1940496450
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SNP_P1_236317_15043	NW_004516784.1	Scaffold1633	15043	CC	TT	1940496456
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SNP_P1_236321_75213	NW_004516784.1	Scaffold1633	75213	AA	GG	1940496462
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SNP_P1_236324_115333	NW_004516784.1	Scaffold1633	115333	CC	AA	1940496467
SNP_P1_236325_116288	NW_004516784.1	Scaffold1633	116288	CC	GG	1940496468
SNP_P1_236326_119663	NW_004516784.1	Scaffold1633	119663	TT	AA	1940496470
SNP_P1_236327_121876	NW_004516784.1	Scaffold1633	121876	TT	CC	1940496471
SNP_P1_236328_122049	NW_004516784.1	Scaffold1633	122049	CC	AA	1940496473
SNP_P1_236329_122685	NW_004516784.1	Scaffold1633	122685	TT	CC	1940496475
SNP_P1_236330_150511	NW_004516784.1	Scaffold1633	150511	GG	AA	1940496477
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236334_9495	NW_004516785.1	Scaffold1634	9495	AA	TT	1940496484
SNP_P1_236335_9701	NW_004516785.1	Scaffold1634	9701	CC	TT	1940496486
SNP_P1_236336_15447	NW_004516785.1	Scaffold1634	15447	TT	CC	1940496487
SNP_P1_236337_18236	NW_004516785.1	Scaffold1634	18236	TT	CC	1940496489
SNP_P1_236338_18473	NW_004516785.1	Scaffold1634	18473	AA	CC	1940496491
SNP_P1_236339_18577	NW_004516785.1	Scaffold1634	18577	TT	CC	1940496492
SNP_P1_236340_18607	NW_004516785.1	Scaffold1634	18607	GG	TT	1940496494
SNP_P1_236341_18608	NW_004516785.1	Scaffold1634	18608	TT	CC	1940496496
SNP_P1_236342_18673	NW_004516785.1	Scaffold1634	18673	AA	CC	1940496497
SNP_P1_236343_18780	NW_004516785.1	Scaffold1634	18780	TT	CC	1940496499
SNP_P1_236344_18927	NW_004516785.1	Scaffold1634	18927	TT	GG	1940496500
SNP_P1_236345_18994	NW_004516785.1	Scaffold1634	18994	CC	TT	1940496502
SNP_P1_236346_20763	NW_004516785.1	Scaffold1634	20763	AA	TT	1940496504
SNP_P1_236347_20967	NW_004516785.1	Scaffold1634	20967	CC	TT	1940496505
SNP_P1_236348_22002	NW_004516785.1	Scaffold1634	22002	GG	CC	1940496507
SNP_P1_236349_23536	NW_004516785.1	Scaffold1634	23536	CC	TT	1940496508
SNP_P1_236350_23539	NW_004516785.1	Scaffold1634	23539	GG	AA	1940496510
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SNP_P1_236354_23551	NW_004516785.1	Scaffold1634	23551	AA	CC	1940496517
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SNP_P1_236357_34903	NW_004516785.1	Scaffold1634	34903	GG	AA	1940496523
SNP_P1_236358_8356	NW_004516786.1	Scaffold1635	8356	AA	CC	1940496525
SNP_P1_236359_26514	NW_004516786.1	Scaffold1635	26514	TT	CC	1940496527
SNP_P1_236360_31558	NW_004516786.1	Scaffold1635	31558	CC	GG	1940496528
SNP_P1_236361_34634	NW_004516786.1	Scaffold1635	34634	CC	TT	1940496530
SNP_P1_236362_35178	NW_004516786.1	Scaffold1635	35178	CC	TT	1940496531
SNP_P1_236363_47685	NW_004516786.1	Scaffold1635	47685	CC	AA	1940496533
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SNP_P1_236366_59110	NW_004516786.1	Scaffold1635	59110	CC	GG	1940496536
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SNP_P1_236372_71853	NW_004516786.1	Scaffold1635	71853	GG	TT	1940496542
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SNP_P1_236375_72076	NW_004516786.1	Scaffold1635	72076	AA	GG	1940496546
SNP_P1_236376_72086	NW_004516786.1	Scaffold1635	72086	AA	TT	1940496547
SNP_P1_236377_72305	NW_004516786.1	Scaffold1635	72305	AA	GG	1940496549

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236380_74294	NW_004516786.1	Scaffold1635	74294	AA	CC	1940496553
SNP_P1_236381_74816	NW_004516786.1	Scaffold1635	74816	TT	CC	1940496555
SNP_P1_236382_75030	NW_004516786.1	Scaffold1635	75030	GG	AA	1940496557
SNP_P1_236383_75133	NW_004516786.1	Scaffold1635	75133	TT	CC	1940496559
SNP_P1_236384_75222	NW_004516786.1	Scaffold1635	75222	CC	TT	1940496561
SNP_P1_236385_75739	NW_004516786.1	Scaffold1635	75739	GG	CC	1940496562
SNP_P1_236386_99050	NW_004516786.1	Scaffold1635	99050	GG	AA	1940496564
SNP_P1_236387_105109	NW_004516786.1	Scaffold1635	105109	AA	GG	1940496565
SNP_P1_236388_105130	NW_004516786.1	Scaffold1635	105130	CC	GG	1940496567
SNP_P1_236389_105142	NW_004516786.1	Scaffold1635	105142	AA	GG	1940496569
SNP_P1_236390_105304	NW_004516786.1	Scaffold1635	105304	GG	AA	1940496571
SNP_P1_236391_105957	NW_004516786.1	Scaffold1635	105957	TT	GG	1940496573
SNP_P1_236392_125763	NW_004516786.1	Scaffold1635	125763	AA	GG	1940496575
SNP_P1_236393_125793	NW_004516786.1	Scaffold1635	125793	CC	GG	1940496578
SNP_P1_236394_130437	NW_004516786.1	Scaffold1635	130437	AA	GG	1940496580
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SNP_P1_236396_131494	NW_004516786.1	Scaffold1635	131494	AA	TT	1940496584
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SNP_P1_236409_131867	NW_004516786.1	Scaffold1635	131867	AA	GG	1940496612
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SNP_P1_236413_133239	NW_004516786.1	Scaffold1635	133239	CC	AA	1940496620
SNP_P1_236414_133247	NW_004516786.1	Scaffold1635	133247	CC	TT	1940496623
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SNP_P1_236417_133255	NW_004516786.1	Scaffold1635	133255	TT	CC	1940496627
SNP_P1_236418_133264	NW_004516786.1	Scaffold1635	133264	GG	TT	1940496629
SNP_P1_236419_140023	NW_004516786.1	Scaffold1635	140023	TT	AA	1940496631
SNP_P1_236420_756	NW_004516787.1	Scaffold1637	756	TT	AA	1940496633
SNP_P1_236421_1243	NW_004516787.1	Scaffold1637	1243	AA	GG	1940496635

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236424_9916	NW_004516788.1	Scaffold1638	9916	TT	AA	1940496642
SNP_P1_236425_10235	NW_004516788.1	Scaffold1638	10235	AA	GG	1940496644
SNP_P1_236426_19612	NW_004516788.1	Scaffold1638	19612	AA	GG	1940496646
SNP_P1_236427_24105	NW_004516788.1	Scaffold1638	24105	GG	AA	1940496648
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SNP_P1_236429_46227	NW_004516788.1	Scaffold1638	46227	GG	TT	1940496653
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SNP_P1_236431_54485	NW_004516788.1	Scaffold1638	54485	CC	TT	1940496657
SNP_P1_236432_54515	NW_004516788.1	Scaffold1638	54515	GG	AA	1940496659
SNP_P1_236433_54643	NW_004516788.1	Scaffold1638	54643	CC	TT	1940496661
SNP_P1_236434_54648	NW_004516788.1	Scaffold1638	54648	AA	GG	1940496663
SNP_P1_236435_54747	NW_004516788.1	Scaffold1638	54747	AA	GG	1940496665
SNP_P1_236436_54757	NW_004516788.1	Scaffold1638	54757	TT	CC	1940496667
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SNP_P1_236440_54896	NW_004516788.1	Scaffold1638	54896	AA	GG	1940496676
SNP_P1_236441_54897	NW_004516788.1	Scaffold1638	54897	TT	CC	1940496678
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SNP_P1_236445_56073	NW_004516788.1	Scaffold1638	56073	AA	GG	1940496687
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SNP_P1_236451_1308	NW_004516789.1	Scaffold1639	1308	TT	CC	1940496700
SNP_P1_236452_1310	NW_004516789.1	Scaffold1639	1310	TT	GG	1940496702
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SNP_P1_236459_4719	NW_004516792.1	Scaffold1643	4719	AA	GG	1940496715
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SNP_P1_236461_5330	NW_004516792.1	Scaffold1643	5330	CC	GG	1940496719
SNP_P1_236462_5412	NW_004516792.1	Scaffold1643	5412	CC	TT	1940496721
SNP_P1_236463_5442	NW_004516792.1	Scaffold1643	5442	AA	GG	1940496723
SNP_P1_236464_7499	NW_004516792.1	Scaffold1643	7499	TT	CC	1940496725

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236467_15381	NW_004516792.1	Scaffold1643	15381	CC	TT	1940496732
SNP_P1_236468_15634	NW_004516792.1	Scaffold1643	15634	AA	GG	1940496734
SNP_P1_236469_15642	NW_004516792.1	Scaffold1643	15642	TT	AA	1940496736
SNP_P1_236470_15648	NW_004516792.1	Scaffold1643	15648	AA	CC	1940496738
SNP_P1_236471_15680	NW_004516792.1	Scaffold1643	15680	GG	AA	1940496740
SNP_P1_236472_15750	NW_004516792.1	Scaffold1643	15750	AA	GG	1940496742
SNP_P1_236473_15756	NW_004516792.1	Scaffold1643	15756	AA	GG	1940496744
SNP_P1_236474_15771	NW_004516792.1	Scaffold1643	15771	CC	AA	1940496747
SNP_P1_236475_15827	NW_004516792.1	Scaffold1643	15827	GG	CC	1940496749
SNP_P1_236476_15839	NW_004516792.1	Scaffold1643	15839	AA	TT	1940496751
SNP_P1_236477_15845	NW_004516792.1	Scaffold1643	15845	CC	TT	1940496753
SNP_P1_236478_16356	NW_004516792.1	Scaffold1643	16356	TT	AA	1940496755
SNP_P1_236479_19793	NW_004516792.1	Scaffold1643	19793	GG	CC	1940496757
SNP_P1_236480_19794	NW_004516792.1	Scaffold1643	19794	TT	GG	1940496760
SNP_P1_236481_19806	NW_004516792.1	Scaffold1643	19806	GG	AA	1940496762
SNP_P1_236482_19839	NW_004516792.1	Scaffold1643	19839	GG	TT	1940496764
SNP_P1_236483_19859	NW_004516792.1	Scaffold1643	19859	CC	GG	1940496766
SNP_P1_236484_22333	NW_004516792.1	Scaffold1643	22333	GG	CC	1940496768
SNP_P1_236485_22347	NW_004516792.1	Scaffold1643	22347	AA	GG	1940496770
SNP_P1_236486_22373	NW_004516792.1	Scaffold1643	22373	GG	AA	1940496772
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SNP_P1_236491_56511	NW_004516792.1	Scaffold1643	56511	AA	TT	1940496777
SNP_P1_236492_62756	NW_004516792.1	Scaffold1643	62756	TT	AA	1940496779
SNP_P1_236493_67727	NW_004516792.1	Scaffold1643	67727	GG	AA	1940496781
SNP_P1_236494_67769	NW_004516792.1	Scaffold1643	67769	CC	GG	1940496783
SNP_P1_236495_67784	NW_004516792.1	Scaffold1643	67784	TT	CC	1940496785
SNP_P1_236496_75264	NW_004516792.1	Scaffold1643	75264	CC	TT	1940496787
SNP_P1_236497_90699	NW_004516792.1	Scaffold1643	90699	CC	GG	1940496789
SNP_P1_236498_102607	NW_004516792.1	Scaffold1643	102607	GG	AA	1940496791
SNP_P1_236501_109194	NW_004516792.1	Scaffold1643	109194	CC	TT	1940496794
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SNP_P1_236504_126696	NW_004516792.1	Scaffold1643	126696	AA	GG	1940496798
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SNP_P1_236507_128602	NW_004516792.1	Scaffold1643	128602	AA	CC	1940496804
SNP_P1_236508_128603	NW_004516792.1	Scaffold1643	128603	CC	TT	1940496806
SNP_P1_236509_128604	NW_004516792.1	Scaffold1643	128604	GG	AA	1940496809
SNP_P1_236510_128605	NW_004516792.1	Scaffold1643	128605	CC	TT	1940496811
SNP_P1_236513_155966	NW_004516792.1	Scaffold1643	155966	GG	TT	1940496813
SNP_P1_236514_155986	NW_004516792.1	Scaffold1643	155986	CC	TT	1940496815

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236516_155998	NW_004516792.1	Scaffold1643	155998	GG	AA	1940496819
SNP_P1_236517_156027	NW_004516792.1	Scaffold1643	156027	TT	CC	1940496822
SNP_P1_236519_159461	NW_004516792.1	Scaffold1643	159461	GG	AA	1940496824
SNP_P1_236520_159471	NW_004516792.1	Scaffold1643	159471	GG	TT	1940496826
SNP_P1_236521_159475	NW_004516792.1	Scaffold1643	159475	GG	AA	1940496828
SNP_P1_236522_159512	NW_004516792.1	Scaffold1643	159512	GG	AA	1940496830
SNP_P1_236523_159531	NW_004516792.1	Scaffold1643	159531	CC	TT	1940496832
SNP_P1_236524_160870	NW_004516792.1	Scaffold1643	160870	GG	TT	1940496834
SNP_P1_236525_160876	NW_004516792.1	Scaffold1643	160876	CC	AA	1940496837
SNP_P1_236526_160924	NW_004516792.1	Scaffold1643	160924	TT	AA	1940496839
SNP_P1_236527_160933	NW_004516792.1	Scaffold1643	160933	GG	AA	1940496841
SNP_P1_236528_160934	NW_004516792.1	Scaffold1643	160934	TT	GG	1940496843
SNP_P1_236530_163527	NW_004516792.1	Scaffold1643	163527	TT	CC	1940496845
SNP_P1_236531_163566	NW_004516792.1	Scaffold1643	163566	TT	CC	1940496847
SNP_P1_236532_163701	NW_004516792.1	Scaffold1643	163701	GG	AA	1940496849
SNP_P1_236534_163893	NW_004516792.1	Scaffold1643	163893	GG	AA	1940496852
SNP_P1_236535_163963	NW_004516792.1	Scaffold1643	163963	CC	AA	1940496854
SNP_P1_236536_164017	NW_004516792.1	Scaffold1643	164017	TT	CC	1940496856
SNP_P1_236537_164019	NW_004516792.1	Scaffold1643	164019	AA	GG	1940496858
SNP_P1_236538_164037	NW_004516792.1	Scaffold1643	164037	TT	CC	1940496860
SNP_P1_236539_164442	NW_004516792.1	Scaffold1643	164442	AA	TT	1940496862
SNP_P1_236540_164480	NW_004516792.1	Scaffold1643	164480	CC	AA	1940496864
SNP_P1_236541_164484	NW_004516792.1	Scaffold1643	164484	TT	AA	1940496866
SNP_P1_236542_164559	NW_004516792.1	Scaffold1643	164559	CC	GG	1940496869
SNP_P1_236543_164566	NW_004516792.1	Scaffold1643	164566	GG	AA	1940496871
SNP_P1_236544_164609	NW_004516792.1	Scaffold1643	164609	TT	CC	1940496873
SNP_P1_236545_164736	NW_004516792.1	Scaffold1643	164736	TT	CC	1940496875
SNP_P1_236546_164916	NW_004516792.1	Scaffold1643	164916	CC	AA	1940496877
SNP_P1_236547_165562	NW_004516792.1	Scaffold1643	165562	GG	AA	1940496879
SNP_P1_236549_166480	NW_004516792.1	Scaffold1643	166480	CC	GG	1940496881
SNP_P1_236550_166536	NW_004516792.1	Scaffold1643	166536	AA	CC	1940496884
SNP_P1_236551_166695	NW_004516792.1	Scaffold1643	166695	AA	CC	1940496886
SNP_P1_236553_166960	NW_004516792.1	Scaffold1643	166960	AA	TT	1940496888
SNP_P1_236554_166961	NW_004516792.1	Scaffold1643	166961	TT	AA	1940496890
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SNP_P1_236556_167002	NW_004516792.1	Scaffold1643	167002	AA	CC	1940496894
SNP_P1_236557_167116	NW_004516792.1	Scaffold1643	167116	GG	AA	1940496896
SNP_P1_236558_167336	NW_004516792.1	Scaffold1643	167336	TT	CC	1940496899
SNP_P1_236559_167347	NW_004516792.1	Scaffold1643	167347	GG	AA	1940496901
SNP_P1_236560_167375	NW_004516792.1	Scaffold1643	167375	AA	GG	1940496903
SNP_P1_236561_167395	NW_004516792.1	Scaffold1643	167395	AA	GG	1940496905

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236563_167419	NW_004516792.1	Scaffold1643	167419	TT	CC	1940496909
SNP_P1_236566_167454	NW_004516792.1	Scaffold1643	167454	CC	AA	1940496911
SNP_P1_236567_167478	NW_004516792.1	Scaffold1643	167478	GG	AA	1940496913
SNP_P1_236568_167511	NW_004516792.1	Scaffold1643	167511	CC	TT	1940496916
SNP_P1_236569_167548	NW_004516792.1	Scaffold1643	167548	AA	GG	1940496918
SNP_P1_236570_167549	NW_004516792.1	Scaffold1643	167549	CC	TT	1940496920
SNP_P1_236571_167550	NW_004516792.1	Scaffold1643	167550	GG	AA	1940496922
SNP_P1_236572_167584	NW_004516792.1	Scaffold1643	167584	CC	AA	1940496924
SNP_P1_236573_167638	NW_004516792.1	Scaffold1643	167638	TT	AA	1940496926
SNP_P1_236574_167656	NW_004516792.1	Scaffold1643	167656	GG	AA	1940496928
SNP_P1_236575_167681	NW_004516792.1	Scaffold1643	167681	GG	AA	1940496931
SNP_P1_236576_167766	NW_004516792.1	Scaffold1643	167766	TT	AA	1940496933
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SNP_P1_236580_169482	NW_004516792.1	Scaffold1643	169482	GG	AA	1940496937
SNP_P1_236581_169501	NW_004516792.1	Scaffold1643	169501	GG	TT	1940496939
SNP_P1_236582_169558	NW_004516792.1	Scaffold1643	169558	CC	TT	1940496941
SNP_P1_236583_170474	NW_004516792.1	Scaffold1643	170474	TT	AA	1940496943
SNP_P1_236584_170986	NW_004516792.1	Scaffold1643	170986	CC	TT	1940496945
SNP_P1_236586_171703	NW_004516792.1	Scaffold1643	171703	CC	TT	1940496948
SNP_P1_236587_171915	NW_004516792.1	Scaffold1643	171915	CC	TT	1940496950
SNP_P1_236588_172001	NW_004516792.1	Scaffold1643	172001	TT	AA	1940496952
SNP_P1_236589_172037	NW_004516792.1	Scaffold1643	172037	CC	TT	1940496954
SNP_P1_236590_172294	NW_004516792.1	Scaffold1643	172294	CC	AA	1940496956
SNP_P1_236591_180898	NW_004516792.1	Scaffold1643	180898	CC	TT	1940496958
SNP_P1_236592_180904	NW_004516792.1	Scaffold1643	180904	CC	TT	1940496960
SNP_P1_236593_180916	NW_004516792.1	Scaffold1643	180916	TT	CC	1940496963
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SNP_P1_236596_181071	NW_004516792.1	Scaffold1643	181071	GG	CC	1940496967
SNP_P1_236597_181151	NW_004516792.1	Scaffold1643	181151	AA	CC	1940496969
SNP_P1_236598_181164	NW_004516792.1	Scaffold1643	181164	GG	AA	1940496971
SNP_P1_236599_181333	NW_004516792.1	Scaffold1643	181333	TT	GG	1940496973
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SNP_P1_236601_181447	NW_004516792.1	Scaffold1643	181447	CC	TT	1940496978
SNP_P1_236602_181492	NW_004516792.1	Scaffold1643	181492	GG	TT	1940496980
SNP_P1_236603_183220	NW_004516792.1	Scaffold1643	183220	AA	CC	1940496982
SNP_P1_236604_183228	NW_004516792.1	Scaffold1643	183228	AA	GG	1940496984
SNP_P1_236605_183255	NW_004516792.1	Scaffold1643	183255	TT	GG	1940496986
SNP_P1_236606_183302	NW_004516792.1	Scaffold1643	183302	GG	AA	1940496988
SNP_P1_236607_183362	NW_004516792.1	Scaffold1643	183362	TT	CC	1940496990
SNP_P1_236608_183419	NW_004516792.1	Scaffold1643	183419	TT	CC	1940496992
SNP_P1_236609_184186	NW_004516792.1	Scaffold1643	184186	TT	AA	1940496995

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236611_187337	NW_004516792.1	Scaffold1643	187337	AA	TT	1940496999
SNP_P1_236612_187365	NW_004516792.1	Scaffold1643	187365	GG	AA	1940497001
SNP_P1_236613_187405	NW_004516792.1	Scaffold1643	187405	CC	TT	1940497003
SNP_P1_236614_187437	NW_004516792.1	Scaffold1643	187437	CC	TT	1940497005
SNP_P1_236615_187499	NW_004516792.1	Scaffold1643	187499	AA	TT	1940497007
SNP_P1_236616_187500	NW_004516792.1	Scaffold1643	187500	AA	GG	1940497010
SNP_P1_236617_188943	NW_004516792.1	Scaffold1643	188943	CC	TT	1940497012
SNP_P1_236618_189062	NW_004516792.1	Scaffold1643	189062	CC	TT	1940497014
SNP_P1_236619_189083	NW_004516792.1	Scaffold1643	189083	GG	AA	1940497016
SNP_P1_236620_189086	NW_004516792.1	Scaffold1643	189086	GG	AA	1940497018
SNP_P1_236621_189207	NW_004516792.1	Scaffold1643	189207	CC	GG	1940497020
SNP_P1_236622_189899	NW_004516792.1	Scaffold1643	189899	GG	AA	1940497022
SNP_P1_236623_189940	NW_004516792.1	Scaffold1643	189940	TT	CC	1940497025
SNP_P1_236624_189959	NW_004516792.1	Scaffold1643	189959	GG	AA	1940497027
SNP_P1_236625_189978	NW_004516792.1	Scaffold1643	189978	CC	AA	1940497029
SNP_P1_236626_190007	NW_004516792.1	Scaffold1643	190007	AA	GG	1940497031
SNP_P1_236627_190030	NW_004516792.1	Scaffold1643	190030	CC	GG	1940497033
SNP_P1_236628_190075	NW_004516792.1	Scaffold1643	190075	GG	AA	1940497035
SNP_P1_236629_190413	NW_004516792.1	Scaffold1643	190413	AA	CC	1940497037
SNP_P1_236630_190486	NW_004516792.1	Scaffold1643	190486	AA	CC	1940497039
SNP_P1_236631_190520	NW_004516792.1	Scaffold1643	190520	AA	TT	1940497042
SNP_P1_236632_190537	NW_004516792.1	Scaffold1643	190537	AA	CC	1940497044
SNP_P1_236633_190539	NW_004516792.1	Scaffold1643	190539	GG	AA	1940497046
SNP_P1_236634_190596	NW_004516792.1	Scaffold1643	190596	AA	CC	1940497048
SNP_P1_236635_190655	NW_004516792.1	Scaffold1643	190655	AA	GG	1940497050
SNP_P1_236636_190743	NW_004516792.1	Scaffold1643	190743	TT	AA	1940497052
SNP_P1_236637_190763	NW_004516792.1	Scaffold1643	190763	TT	AA	1940497054
SNP_P1_236638_192041	NW_004516792.1	Scaffold1643	192041	GG	AA	1940497057
SNP_P1_236639_192377	NW_004516792.1	Scaffold1643	192377	AA	TT	1940497059
SNP_P1_236642_192975	NW_004516792.1	Scaffold1643	192975	CC	TT	1940497061
SNP_P1_236643_192978	NW_004516792.1	Scaffold1643	192978	TT	CC	1940497063
SNP_P1_236644_193057	NW_004516792.1	Scaffold1643	193057	CC	TT	1940497065
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SNP_P1_236647_193132	NW_004516792.1	Scaffold1643	193132	GG	AA	1940497072
SNP_P1_236648_193256	NW_004516792.1	Scaffold1643	193256	AA	GG	1940497074
SNP_P1_236649_193308	NW_004516792.1	Scaffold1643	193308	CC	TT	1940497076
SNP_P1_236650_193577	NW_004516792.1	Scaffold1643	193577	AA	CC	1940497078
SNP_P1_236651_201063	NW_004516792.1	Scaffold1643	201063	GG	AA	1940497080
SNP_P1_236652_201177	NW_004516792.1	Scaffold1643	201177	AA	GG	1940497082
SNP_P1_236653_201237	NW_004516792.1	Scaffold1643	201237	GG	AA	1940497084

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236656_201266	NW_004516792.1	Scaffold1643	201266	AA	GG	1940497091
SNP_P1_236657_201267	NW_004516792.1	Scaffold1643	201267	TT	CC	1940497093
SNP_P1_236658_201268	NW_004516792.1	Scaffold1643	201268	TT	AA	1940497095
SNP_P1_236659_201277	NW_004516792.1	Scaffold1643	201277	TT	CC	1940497097
SNP_P1_236660_201308	NW_004516792.1	Scaffold1643	201308	AA	GG	1940497099
SNP_P1_236661_201337	NW_004516792.1	Scaffold1643	201337	CC	GG	1940497101
SNP_P1_236662_201340	NW_004516792.1	Scaffold1643	201340	CC	TT	1940497104
SNP_P1_236663_201365	NW_004516792.1	Scaffold1643	201365	CC	TT	1940497106
SNP_P1_236664_201373	NW_004516792.1	Scaffold1643	201373	TT	CC	1940497108
SNP_P1_236665_201378	NW_004516792.1	Scaffold1643	201378	TT	CC	1940497110
SNP_P1_236666_201387	NW_004516792.1	Scaffold1643	201387	CC	TT	1940497112
SNP_P1_236667_201467	NW_004516792.1	Scaffold1643	201467	AA	GG	1940497114
SNP_P1_236668_201482	NW_004516792.1	Scaffold1643	201482	GG	CC	1940497116
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SNP_P1_236670_201548	NW_004516792.1	Scaffold1643	201548	GG	AA	1940497121
SNP_P1_236671_201565	NW_004516792.1	Scaffold1643	201565	AA	GG	1940497123
SNP_P1_236672_201662	NW_004516792.1	Scaffold1643	201662	CC	AA	1940497125
SNP_P1_236673_201665	NW_004516792.1	Scaffold1643	201665	TT	AA	1940497127
SNP_P1_236674_201682	NW_004516792.1	Scaffold1643	201682	CC	TT	1940497129
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SNP_P1_236676_202511	NW_004516792.1	Scaffold1643	202511	TT	CC	1940497134
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SNP_P1_236679_202526	NW_004516792.1	Scaffold1643	202526	AA	TT	1940497140
SNP_P1_236680_202551	NW_004516792.1	Scaffold1643	202551	AA	GG	1940497142
SNP_P1_236681_204010	NW_004516792.1	Scaffold1643	204010	CC	AA	1940497144
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SNP_P1_236683_204401	NW_004516792.1	Scaffold1643	204401	CC	TT	1940497149
SNP_P1_236685_204455	NW_004516792.1	Scaffold1643	204455	TT	CC	1940497151
SNP_P1_236686_204790	NW_004516792.1	Scaffold1643	204790	CC	AA	1940497153
SNP_P1_236687_204910	NW_004516792.1	Scaffold1643	204910	GG	AA	1940497155
SNP_P1_236688_206741	NW_004516792.1	Scaffold1643	206741	TT	CC	1940497157
SNP_P1_236689_206761	NW_004516792.1	Scaffold1643	206761	AA	CC	1940497159
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SNP_P1_236691_206814	NW_004516792.1	Scaffold1643	206814	CC	AA	1940497164
SNP_P1_236692_206836	NW_004516792.1	Scaffold1643	206836	AA	TT	1940497166
SNP_P1_236693_206938	NW_004516792.1	Scaffold1643	206938	AA	GG	1940497168
SNP_P1_236694_206996	NW_004516792.1	Scaffold1643	206996	CC	TT	1940497170
SNP_P1_236695_207127	NW_004516792.1	Scaffold1643	207127	TT	CC	1940497172
SNP_P1_236696_207175	NW_004516792.1	Scaffold1643	207175	CC	GG	1940497174

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_236697_207305	NW_004516792.1	Scaffold1643	207305	TT	CC	1940497176
SNP_P1_236698_207333	NW_004516792.1	Scaffold1643	207333	AA	GG	1940497178
SNP_P1_236699_207397	NW_004516792.1	Scaffold1643	207397	TT	AA	1940497181
SNP_P1_236700_207828	NW_004516792.1	Scaffold1643	207828	GG	AA	1940497183
SNP_P1_236701_207859	NW_004516792.1	Scaffold1643	207859	GG	AA	1940497185
SNP_P1_236702_207940	NW_004516792.1	Scaffold1643	207940	CC	AA	1940497187
SNP_P1_236703_207969	NW_004516792.1	Scaffold1643	207969	AA	GG	1940497189
SNP_P1_236705_207991	NW_004516792.1	Scaffold1643	207991	CC	GG	1940497191
SNP_P1_236706_208010	NW_004516792.1	Scaffold1643	208010	GG	AA	1940497193
SNP_P1_236707_208036	NW_004516792.1	Scaffold1643	208036	GG	AA	1940497196
SNP_P1_236708_208369	NW_004516792.1	Scaffold1643	208369	AA	CC	1940497198
SNP_P1_236709_208403	NW_004516792.1	Scaffold1643	208403	AA	TT	1940497200
SNP_P1_236710_208422	NW_004516792.1	Scaffold1643	208422	GG	AA	1940497202
SNP_P1_236711_208431	NW_004516792.1	Scaffold1643	208431	CC	AA	1940497204
SNP_P1_236712_208435	NW_004516792.1	Scaffold1643	208435	AA	CC	1940497206
SNP_P1_236713_208436	NW_004516792.1	Scaffold1643	208436	AA	TT	1940497208
SNP_P1_236714_208457	NW_004516792.1	Scaffold1643	208457	AA	GG	1940497211
SNP_P1_236715_208470	NW_004516792.1	Scaffold1643	208470	AA	TT	1940497213
SNP_P1_236716_209385	NW_004516792.1	Scaffold1643	209385	CC	GG	1940497215
SNP_P1_236717_209452	NW_004516792.1	Scaffold1643	209452	TT	AA	1940497217
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SNP_P1_236720_210213	NW_004516792.1	Scaffold1643	210213	AA	GG	1940497221
SNP_P1_236721_210234	NW_004516792.1	Scaffold1643	210234	TT	CC	1940497223
SNP_P1_236722_210242	NW_004516792.1	Scaffold1643	210242	TT	AA	1940497225
SNP_P1_236723_210260	NW_004516792.1	Scaffold1643	210260	AA	TT	1940497228
SNP_P1_236724_210279	NW_004516792.1	Scaffold1643	210279	GG	AA	1940497230
SNP_P1_236725_210301	NW_004516792.1	Scaffold1643	210301	TT	AA	1940497232
SNP_P1_236726_210309	NW_004516792.1	Scaffold1643	210309	TT	AA	1940497234
SNP_P1_236727_210344	NW_004516792.1	Scaffold1643	210344	AA	GG	1940497236
SNP_P1_236728_210515	NW_004516792.1	Scaffold1643	210515	TT	CC	1940497238
SNP_P1_236729_210516	NW_004516792.1	Scaffold1643	210516	GG	TT	1940497240
SNP_P1_236731_210595	NW_004516792.1	Scaffold1643	210595	AA	CC	1940497243
SNP_P1_236732_210914	NW_004516792.1	Scaffold1643	210914	TT	AA	1940497245
SNP_P1_236733_210976	NW_004516792.1	Scaffold1643	210976	TT	AA	1940497247
SNP_P1_236735_211057	NW_004516792.1	Scaffold1643	211057	TT	AA	1940497249
SNP_P1_236737_211113	NW_004516792.1	Scaffold1643	211113	CC	AA	1940497251
SNP_P1_236738_211176	NW_004516792.1	Scaffold1643	211176	TT	CC	1940497253
SNP_P1_236739_211191	NW_004516792.1	Scaffold1643	211191	GG	AA	1940497255
SNP_P1_236741_211346	NW_004516792.1	Scaffold1643	211346	TT	AA	1940497258
SNP_P1_236742_211354	NW_004516792.1	Scaffold1643	211354	CC	AA	1940497260
SNP_P1_236743_211367	NW_004516792.1	Scaffold1643	211367	GG	TT	1940497262
SNP_P1_236744_212741	NW_004516792.1	Scaffold1643	212741	GG	AA	1940497264

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236746_212761	NW_004516792.1	Scaffold1643	212761	GG	AA	1940497268
SNP_P1_236747_213211	NW_004516792.1	Scaffold1643	213211	CC	TT	1940497270
SNP_P1_236748_213227	NW_004516792.1	Scaffold1643	213227	AA	TT	1940497273
SNP_P1_236749_213915	NW_004516792.1	Scaffold1643	213915	GG	CC	1940497275
SNP_P1_236751_214715	NW_004516792.1	Scaffold1643	214715	TT	CC	1940497277
SNP_P1_236752_215033	NW_004516792.1	Scaffold1643	215033	GG	AA	1940497279
SNP_P1_236753_215158	NW_004516792.1	Scaffold1643	215158	GG	AA	1940497281
SNP_P1_236754_215240	NW_004516792.1	Scaffold1643	215240	CC	TT	1940497283
SNP_P1_236755_992	NW_004516793.1	Scaffold1644	992	TT	CC	1940497285
SNP_P1_236756_4323	NW_004516793.1	Scaffold1644	4323	TT	GG	1940497287
SNP_P1_236757_4331	NW_004516793.1	Scaffold1644	4331	TT	GG	1940497290
SNP_P1_236758_4585	NW_004516793.1	Scaffold1644	4585	TT	AA	1940497292
SNP_P1_236760_10075	NW_004516793.1	Scaffold1644	10075	GG	AA	1940497294
SNP_P1_236761_10079	NW_004516793.1	Scaffold1644	10079	GG	AA	1940497296
SNP_P1_236762_10082	NW_004516793.1	Scaffold1644	10082	TT	CC	1940497298
SNP_P1_236763_10092	NW_004516793.1	Scaffold1644	10092	TT	CC	1940497300
SNP_P1_236764_10147	NW_004516793.1	Scaffold1644	10147	AA	GG	1940497302
SNP_P1_236765_10551	NW_004516793.1	Scaffold1644	10551	AA	TT	1940497305
SNP_P1_236766_10554	NW_004516793.1	Scaffold1644	10554	CC	TT	1940497307
SNP_P1_236767_17672	NW_004516795.1	Scaffold1649	17672	TT	AA	1940497309
SNP_P1_236768_17726	NW_004516795.1	Scaffold1649	17726	CC	TT	1940497311
SNP_P1_236769_17974	NW_004516795.1	Scaffold1649	17974	AA	TT	1940497313
SNP_P1_236770_18019	NW_004516795.1	Scaffold1649	18019	CC	TT	1940497315
SNP_P1_236771_182	NW_004516797.1	Scaffold1651	182	AA	CC	1940497317
SNP_P1_236772_643	NW_004516797.1	Scaffold1651	643	AA	GG	1940497319
SNP_P1_236773_4184	NW_004516797.1	Scaffold1651	4184	AA	GG	1940497322
SNP_P1_236774_4289	NW_004516797.1	Scaffold1651	4289	GG	AA	1940497324
SNP_P1_236775_4305	NW_004516797.1	Scaffold1651	4305	GG	AA	1940497326
SNP_P1_236776_4367	NW_004516797.1	Scaffold1651	4367	GG	AA	1940497328
SNP_P1_236777_4485	NW_004516797.1	Scaffold1651	4485	TT	CC	1940497330
SNP_P1_236778_4525	NW_004516797.1	Scaffold1651	4525	AA	TT	1940497332
SNP_P1_236779_4665	NW_004516797.1	Scaffold1651	4665	TT	CC	1940497334
SNP_P1_236780_4675	NW_004516797.1	Scaffold1651	4675	GG	AA	1940497337
SNP_P1_236781_4809	NW_004516797.1	Scaffold1651	4809	TT	CC	1940497339
SNP_P1_236783_5085	NW_004516797.1	Scaffold1651	5085	TT	GG	1940497341
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SNP_P1_236788_5473	NW_004516797.1	Scaffold1651	5473	TT	CC	1940497349
SNP_P1_236789_5474	NW_004516797.1	Scaffold1651	5474	TT	CC	1940497351
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236794_6032	NW_004516797.1	Scaffold1651	6032	TT	CC	1940497362
SNP_P1_236795_6068	NW_004516797.1	Scaffold1651	6068	AA	GG	1940497364
SNP_P1_236796_6076	NW_004516797.1	Scaffold1651	6076	CC	TT	1940497366
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SNP_P1_236798_6152	NW_004516797.1	Scaffold1651	6152	TT	CC	1940497370
SNP_P1_236799_6197	NW_004516797.1	Scaffold1651	6197	GG	AA	1940497372
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SNP_P1_236801_6549	NW_004516797.1	Scaffold1651	6549	GG	AA	1940497377
SNP_P1_236802_6685	NW_004516797.1	Scaffold1651	6685	TT	GG	1940497379
SNP_P1_236803_6848	NW_004516797.1	Scaffold1651	6848	CC	TT	1940497381
SNP_P1_236804_7087	NW_004516797.1	Scaffold1651	7087	AA	TT	1940497383
SNP_P1_236805_7151	NW_004516797.1	Scaffold1651	7151	CC	AA	1940497385
SNP_P1_236806_7212	NW_004516797.1	Scaffold1651	7212	AA	GG	1940497387
SNP_P1_236807_7370	NW_004516797.1	Scaffold1651	7370	CC	TT	1940497390
SNP_P1_236808_7376	NW_004516797.1	Scaffold1651	7376	TT	CC	1940497392
SNP_P1_236809_7440	NW_004516797.1	Scaffold1651	7440	GG	TT	1940497394
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SNP_P1_236822_9331	NW_004516797.1	Scaffold1651	9331	GG	TT	1940497419
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SNP_P1_236824_9353	NW_004516797.1	Scaffold1651	9353	TT	GG	1940497424
SNP_P1_236825_9452	NW_004516797.1	Scaffold1651	9452	GG	TT	1940497426
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SNP_P1_236827_9813	NW_004516797.1	Scaffold1651	9813	GG	AA	1940497430
SNP_P1_236829_9986	NW_004516797.1	Scaffold1651	9986	CC	TT	1940497432
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SNP_P1_236832_10258	NW_004516797.1	Scaffold1651	10258	TT	CC	1940497439
SNP_P1_236833_10314	NW_004516797.1	Scaffold1651	10314	AA	GG	1940497441
SNP_P1_236834_10362	NW_004516797.1	Scaffold1651	10362	GG	AA	1940497443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236837_10503	NW_004516797.1	Scaffold1651	10503	GG	AA	1940497449
SNP_P1_236838_10603	NW_004516797.1	Scaffold1651	10603	GG	TT	1940497452
SNP_P1_236839_10722	NW_004516797.1	Scaffold1651	10722	GG	AA	1940497454
SNP_P1_236840_10836	NW_004516797.1	Scaffold1651	10836	GG	AA	1940497456
SNP_P1_236841_10841	NW_004516797.1	Scaffold1651	10841	CC	TT	1940497458
SNP_P1_236842_10882	NW_004516797.1	Scaffold1651	10882	CC	TT	1940497460
SNP_P1_236843_11014	NW_004516797.1	Scaffold1651	11014	AA	TT	1940497462
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SNP_P1_236845_11042	NW_004516797.1	Scaffold1651	11042	GG	AA	1940497467
SNP_P1_236846_11047	NW_004516797.1	Scaffold1651	11047	GG	AA	1940497469
SNP_P1_236847_11081	NW_004516797.1	Scaffold1651	11081	TT	GG	1940497471
SNP_P1_236848_11082	NW_004516797.1	Scaffold1651	11082	CC	TT	1940497473
SNP_P1_236849_11155	NW_004516797.1	Scaffold1651	11155	CC	TT	1940497475
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SNP_P1_236851_11242	NW_004516797.1	Scaffold1651	11242	TT	CC	1940497479
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SNP_P1_236875_13644	NW_004516797.1	Scaffold1651	13644	CC	AA	1940497522
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SNP_P1_236879_13843	NW_004516797.1	Scaffold1651	13843	GG	CC	1940497531
SNP_P1_236880_13891	NW_004516797.1	Scaffold1651	13891	TT	AA	1940497533

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236884_14358	NW_004516797.1	Scaffold1651	14358	GG	AA	1940497539
SNP_P1_236885_14585	NW_004516797.1	Scaffold1651	14585	AA	CC	1940497541
SNP_P1_236886_14639	NW_004516797.1	Scaffold1651	14639	CC	AA	1940497543
SNP_P1_236887_14813	NW_004516797.1	Scaffold1651	14813	AA	CC	1940497546
SNP_P1_236888_14919	NW_004516797.1	Scaffold1651	14919	GG	AA	1940497548
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SNP_P1_236890_15872	NW_004516797.1	Scaffold1651	15872	TT	AA	1940497552
SNP_P1_236891_15887	NW_004516797.1	Scaffold1651	15887	GG	AA	1940497554
SNP_P1_236892_16101	NW_004516797.1	Scaffold1651	16101	CC	TT	1940497556
SNP_P1_236893_16191	NW_004516797.1	Scaffold1651	16191	AA	GG	1940497558
SNP_P1_236897_16690	NW_004516797.1	Scaffold1651	16690	TT	GG	1940497560
SNP_P1_236898_16784	NW_004516797.1	Scaffold1651	16784	AA	GG	1940497563
SNP_P1_236900_16872	NW_004516797.1	Scaffold1651	16872	GG	AA	1940497565
SNP_P1_236902_17291	NW_004516797.1	Scaffold1651	17291	GG	AA	1940497567
SNP_P1_236903_17314	NW_004516797.1	Scaffold1651	17314	CC	GG	1940497569
SNP_P1_236904_17352	NW_004516797.1	Scaffold1651	17352	CC	TT	1940497571
SNP_P1_236905_17497	NW_004516797.1	Scaffold1651	17497	CC	TT	1940497573
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SNP_P1_236919_18813	NW_004516797.1	Scaffold1651	18813	GG	TT	1940497597
SNP_P1_236921_19021	NW_004516797.1	Scaffold1651	19021	TT	CC	1940497599
SNP_P1_236922_19098	NW_004516797.1	Scaffold1651	19098	CC	TT	1940497601
SNP_P1_236923_19817	NW_004516797.1	Scaffold1651	19817	AA	TT	1940497603
SNP_P1_236924_19854	NW_004516797.1	Scaffold1651	19854	AA	GG	1940497605
SNP_P1_236925_20099	NW_004516797.1	Scaffold1651	20099	CC	TT	1940497607
SNP_P1_236926_20104	NW_004516797.1	Scaffold1651	20104	AA	TT	1940497610
SNP_P1_236927_20253	NW_004516797.1	Scaffold1651	20253	GG	TT	1940497612
SNP_P1_236928_20382	NW_004516797.1	Scaffold1651	20382	CC	TT	1940497614
SNP_P1_236929_20709	NW_004516797.1	Scaffold1651	20709	AA	GG	1940497616
SNP_P1_236930_20953	NW_004516797.1	Scaffold1651	20953	AA	CC	1940497618
SNP_P1_236931_22607	NW_004516797.1	Scaffold1651	22607	TT	CC	1940497620
SNP_P1_236932_22608	NW_004516797.1	Scaffold1651	22608	TT	CC	1940497622

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_236933_22686	NW_004516797.1	Scaffold1651	22686	GG	TT	1940497625
SNP_P1_236934_22724	NW_004516797.1	Scaffold1651	22724	CC	AA	1940497627
SNP_P1_236935_22794	NW_004516797.1	Scaffold1651	22794	CC	AA	1940497629
SNP_P1_236937_23019	NW_004516797.1	Scaffold1651	23019	TT	CC	1940497631
SNP_P1_236938_23141	NW_004516797.1	Scaffold1651	23141	GG	AA	1940497633
SNP_P1_236939_26872	NW_004516797.1	Scaffold1651	26872	CC	TT	1940497635
SNP_P1_236940_26874	NW_004516797.1	Scaffold1651	26874	TT	GG	1940497637
SNP_P1_236941_30268	NW_004516797.1	Scaffold1651	30268	CC	TT	1940497639
SNP_P1_236942_30471	NW_004516797.1	Scaffold1651	30471	GG	AA	1940497642
SNP_P1_236943_30556	NW_004516797.1	Scaffold1651	30556	AA	TT	1940497644
SNP_P1_236944_30934	NW_004516797.1	Scaffold1651	30934	CC	TT	1940497646
SNP_P1_236945_30991	NW_004516797.1	Scaffold1651	30991	TT	AA	1940497648
SNP_P1_236946_31077	NW_004516797.1	Scaffold1651	31077	GG	AA	1940497650
SNP_P1_236947_31081	NW_004516797.1	Scaffold1651	31081	TT	CC	1940497652
SNP_P1_236948_31123	NW_004516797.1	Scaffold1651	31123	CC	TT	1940497654
SNP_P1_236949_31137	NW_004516797.1	Scaffold1651	31137	AA	GG	1940497657
SNP_P1_236950_31271	NW_004516797.1	Scaffold1651	31271	GG	CC	1940497659
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SNP_P1_236952_31440	NW_004516797.1	Scaffold1651	31440	TT	GG	1940497663
SNP_P1_236953_31441	NW_004516797.1	Scaffold1651	31441	CC	TT	1940497665
SNP_P1_236954_31470	NW_004516797.1	Scaffold1651	31470	AA	GG	1940497667
SNP_P1_236955_31672	NW_004516797.1	Scaffold1651	31672	CC	TT	1940497669
SNP_P1_236956_31676	NW_004516797.1	Scaffold1651	31676	TT	CC	1940497671
SNP_P1_236957_31775	NW_004516797.1	Scaffold1651	31775	GG	TT	1940497674
SNP_P1_236958_1580	NW_004516798.1	Scaffold1652	1580	AA	TT	1940497676
SNP_P1_236959_44516	NW_004516799.1	Scaffold1654	44516	AA	GG	1940497678
SNP_P1_236960_44673	NW_004516799.1	Scaffold1654	44673	GG	AA	1940497680
SNP_P1_236961_44723	NW_004516799.1	Scaffold1654	44723	TT	CC	1940497682
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SNP_P1_236963_53210	NW_004516799.1	Scaffold1654	53210	TT	CC	1940497686
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SNP_P1_236966_70012	NW_004516799.1	Scaffold1654	70012	CC	TT	1940497691
SNP_P1_236967_74254	NW_004516799.1	Scaffold1654	74254	GG	TT	1940497693
SNP_P1_236968_46	NW_004516801.1	Scaffold1657	46	GG	AA	1940497695
SNP_P1_236969_64	NW_004516801.1	Scaffold1657	64	CC	TT	1940497697
SNP_P1_236970_65	NW_004516801.1	Scaffold1657	65	TT	GG	1940497699
SNP_P1_236971_87	NW_004516801.1	Scaffold1657	87	GG	AA	1940497701
SNP_P1_236972_154	NW_004516801.1	Scaffold1657	154	CC	TT	1940497704
SNP_P1_236973_169	NW_004516801.1	Scaffold1657	169	CC	TT	1940497706
SNP_P1_236974_205	NW_004516801.1	Scaffold1657	205	TT	CC	1940497708
SNP_P1_236975_279	NW_004516801.1	Scaffold1657	279	TT	CC	1940497710
SNP_P1_236976_320	NW_004516801.1	Scaffold1657	320	AA	GG	1940497712

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_236978_337	NW_004516801.1	Scaffold1657	337	TT	AA	1940497716
SNP_P1_236979_411	NW_004516801.1	Scaffold1657	411	GG	CC	1940497718
SNP_P1_236980_460	NW_004516801.1	Scaffold1657	460	CC	AA	1940497721
SNP_P1_236981_568	NW_004516801.1	Scaffold1657	568	AA	GG	1940497723
SNP_P1_236982_578	NW_004516801.1	Scaffold1657	578	GG	TT	1940497725
SNP_P1_236983_660	NW_004516801.1	Scaffold1657	660	TT	AA	1940497727
SNP_P1_236984_661	NW_004516801.1	Scaffold1657	661	GG	TT	1940497729
SNP_P1_236985_913	NW_004516801.1	Scaffold1657	913	TT	CC	1940497731
SNP_P1_236986_1030	NW_004516801.1	Scaffold1657	1030	AA	GG	1940497733
SNP_P1_236987_133	NW_004516802.1	Scaffold1658	133	AA	GG	1940497736
SNP_P1_236988_143	NW_004516802.1	Scaffold1658	143	AA	GG	1940497738
SNP_P1_236989_64	NW_004516803.1	Scaffold1659	64	AA	TT	1940497740
SNP_P1_236990_99	NW_004516803.1	Scaffold1659	99	GG	TT	1940497742
SNP_P1_236992_157	NW_004516803.1	Scaffold1659	157	GG	AA	1940497744
SNP_P1_236993_453	NW_004516803.1	Scaffold1659	453	TT	AA	1940497746
SNP_P1_236994_565	NW_004516803.1	Scaffold1659	565	TT	AA	1940497748
SNP_P1_236995_702	NW_004516803.1	Scaffold1659	702	TT	CC	1940497751
SNP_P1_236996_1583	NW_004516803.1	Scaffold1659	1583	TT	AA	1940497753
SNP_P1_236997_2088	NW_004516803.1	Scaffold1659	2088	GG	AA	1940497755
SNP_P1_236998_2162	NW_004516803.1	Scaffold1659	2162	TT	CC	1940497757
SNP_P1_236999_2216	NW_004516803.1	Scaffold1659	2216	GG	AA	1940497759
SNP_P1_237000_2279	NW_004516803.1	Scaffold1659	2279	CC	TT	1940497761
SNP_P1_237001_2869	NW_004516803.1	Scaffold1659	2869	GG	AA	1940497763
SNP_P1_237002_2925	NW_004516803.1	Scaffold1659	2925	GG	AA	1940497765
SNP_P1_237003_3019	NW_004516803.1	Scaffold1659	3019	AA	TT	1940497768
SNP_P1_237004_3212	NW_004516803.1	Scaffold1659	3212	GG	AA	1940497770
SNP_P1_237005_3371	NW_004516803.1	Scaffold1659	3371	CC	GG	1940497772
SNP_P1_237006_3810	NW_004516803.1	Scaffold1659	3810	CC	AA	1940497774
SNP_P1_237007_3978	NW_004516803.1	Scaffold1659	3978	CC	TT	1940497776
SNP_P1_237008_4080	NW_004516803.1	Scaffold1659	4080	GG	AA	1940497778
SNP_P1_237009_4527	NW_004516803.1	Scaffold1659	4527	CC	AA	1940497780
SNP_P1_237010_4902	NW_004516803.1	Scaffold1659	4902	TT	CC	1940497783
SNP_P1_237011_4918	NW_004516803.1	Scaffold1659	4918	GG	TT	1940497785
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SNP_P1_237013_5109	NW_004516803.1	Scaffold1659	5109	CC	TT	1940497789
SNP_P1_237014_19744	NW_004516803.1	Scaffold1659	19744	GG	TT	1940497791
SNP_P1_237015_19830	NW_004516803.1	Scaffold1659	19830	GG	AA	1940497793
SNP_P1_237016_19940	NW_004516803.1	Scaffold1659	19940	AA	GG	1940497795
SNP_P1_237017_20029	NW_004516803.1	Scaffold1659	20029	TT	GG	1940497798
SNP_P1_237018_20075	NW_004516803.1	Scaffold1659	20075	CC	TT	1940497800
SNP_P1_237019_20186	NW_004516803.1	Scaffold1659	20186	TT	CC	1940497802

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237021_20349	NW_004516803.1	Scaffold1659	20349	GG	AA	1940497806
SNP_P1_237022_20366	NW_004516803.1	Scaffold1659	20366	AA	TT	1940497808
SNP_P1_237024_20499	NW_004516803.1	Scaffold1659	20499	TT	AA	1940497810
SNP_P1_237025_21061	NW_004516803.1	Scaffold1659	21061	AA	GG	1940497812
SNP_P1_237026_21117	NW_004516803.1	Scaffold1659	21117	GG	AA	1940497815
SNP_P1_237028_21629	NW_004516803.1	Scaffold1659	21629	CC	TT	1940497817
SNP_P1_237029_21977	NW_004516803.1	Scaffold1659	21977	GG	AA	1940497819
SNP_P1_237030_59351	NW_004516803.1	Scaffold1659	59351	GG	TT	1940497821
SNP_P1_237031_59548	NW_004516803.1	Scaffold1659	59548	TT	AA	1940497823
SNP_P1_237032_60033	NW_004516803.1	Scaffold1659	60033	TT	GG	1940497825
SNP_P1_237033_60075	NW_004516803.1	Scaffold1659	60075	AA	TT	1940497827
SNP_P1_237034_81360	NW_004516803.1	Scaffold1659	81360	CC	TT	1940497830
SNP_P1_237035_81409	NW_004516803.1	Scaffold1659	81409	GG	AA	1940497832
SNP_P1_237036_95917	NW_004516803.1	Scaffold1659	95917	AA	GG	1940497833
SNP_P1_237037_95926	NW_004516803.1	Scaffold1659	95926	TT	GG	1940497835
SNP_P1_237038_95977	NW_004516803.1	Scaffold1659	95977	AA	GG	1940497836
SNP_P1_237039_96017	NW_004516803.1	Scaffold1659	96017	AA	GG	1940497838
SNP_P1_237041_104997	NW_004516803.1	Scaffold1659	104997	AA	GG	1940497840
SNP_P1_237042_105001	NW_004516803.1	Scaffold1659	105001	CC	AA	1940497841
SNP_P1_237043_123381	NW_004516803.1	Scaffold1659	123381	CC	TT	1940497843
SNP_P1_237045_135779	NW_004516803.1	Scaffold1659	135779	CC	TT	1940497845
SNP_P1_237046_135811	NW_004516803.1	Scaffold1659	135811	GG	AA	1940497846
SNP_P1_237047_135817	NW_004516803.1	Scaffold1659	135817	CC	TT	1940497848
SNP_P1_237050_167215	NW_004516803.1	Scaffold1659	167215	TT	CC	1940497849
SNP_P1_237051_171768	NW_004516803.1	Scaffold1659	171768	GG	AA	1940497851
SNP_P1_237052_183531	NW_004516803.1	Scaffold1659	183531	TT	CC	1940497853
SNP_P1_237053_195474	NW_004516803.1	Scaffold1659	195474	AA	GG	1940497854
SNP_P1_237054_205536	NW_004516803.1	Scaffold1659	205536	TT	CC	1940497856
SNP_P1_237056_214348	NW_004516803.1	Scaffold1659	214348	GG	AA	1940497857
SNP_P1_237057_214386	NW_004516803.1	Scaffold1659	214386	GG	TT	1940497859
SNP_P1_237058_214403	NW_004516803.1	Scaffold1659	214403	TT	AA	1940497861
SNP_P1_237060_217066	NW_004516803.1	Scaffold1659	217066	TT	AA	1940497862
SNP_P1_237061_217144	NW_004516803.1	Scaffold1659	217144	AA	CC	1940497864
SNP_P1_237063_219621	NW_004516803.1	Scaffold1659	219621	TT	CC	1940497865
SNP_P1_237064_219938	NW_004516803.1	Scaffold1659	219938	AA	GG	1940497867
SNP_P1_237065_234494	NW_004516803.1	Scaffold1659	234494	TT	AA	1940497869
SNP_P1_237066_240685	NW_004516803.1	Scaffold1659	240685	AA	GG	1940497871
SNP_P1_237067_240728	NW_004516803.1	Scaffold1659	240728	TT	GG	1940497874
SNP_P1_237068_241868	NW_004516803.1	Scaffold1659	241868	TT	AA	1940497876
SNP_P1_237069_264283	NW_004516803.1	Scaffold1659	264283	CC	TT	1940497878
SNP_P1_237070_268691	NW_004516803.1	Scaffold1659	268691	AA	GG	1940497880

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237072_269101	NW_004516803.1	Scaffold1659	269101	CC	GG	1940497884
SNP_P1_237074_282444	NW_004516803.1	Scaffold1659	282444	AA	GG	1940497886
SNP_P1_237075_282868	NW_004516803.1	Scaffold1659	282868	TT	AA	1940497889
SNP_P1_237076_283386	NW_004516803.1	Scaffold1659	283386	TT	AA	1940497891
SNP_P1_237077_287486	NW_004516803.1	Scaffold1659	287486	GG	TT	1940497893
SNP_P1_237078_296573	NW_004516803.1	Scaffold1659	296573	AA	GG	1940497895
SNP_P1_237079_296622	NW_004516803.1	Scaffold1659	296622	CC	TT	1940497897
SNP_P1_237080_296652	NW_004516803.1	Scaffold1659	296652	TT	AA	1940497899
SNP_P1_237081_303070	NW_004516803.1	Scaffold1659	303070	GG	TT	1940497901
SNP_P1_237082_309933	NW_004516803.1	Scaffold1659	309933	AA	TT	1940497904
SNP_P1_237083_309939	NW_004516803.1	Scaffold1659	309939	TT	GG	1940497906
SNP_P1_237084_325915	NW_004516803.1	Scaffold1659	325915	TT	CC	1940497908
SNP_P1_237085_325917	NW_004516803.1	Scaffold1659	325917	GG	TT	1940497910
SNP_P1_237086_325918	NW_004516803.1	Scaffold1659	325918	TT	CC	1940497912
SNP_P1_237087_325938	NW_004516803.1	Scaffold1659	325938	CC	TT	1940497914
SNP_P1_237088_339332	NW_004516803.1	Scaffold1659	339332	CC	TT	1940497916
SNP_P1_237089_342216	NW_004516803.1	Scaffold1659	342216	AA	GG	1940497919
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SNP_P1_237093_359077	NW_004516803.1	Scaffold1659	359077	TT	CC	1940497927
SNP_P1_237094_359178	NW_004516803.1	Scaffold1659	359178	AA	GG	1940497929
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SNP_P1_237097_364329	NW_004516803.1	Scaffold1659	364329	TT	CC	1940497936
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SNP_P1_237099_375025	NW_004516803.1	Scaffold1659	375025	AA	CC	1940497940
SNP_P1_237100_385381	NW_004516803.1	Scaffold1659	385381	AA	GG	1940497942
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SNP_P1_237103_385772	NW_004516803.1	Scaffold1659	385772	CC	AA	1940497946
SNP_P1_237104_389160	NW_004516803.1	Scaffold1659	389160	AA	GG	1940497949
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SNP_P1_237107_422067	NW_004516803.1	Scaffold1659	422067	AA	GG	1940497953
SNP_P1_237108_422796	NW_004516803.1	Scaffold1659	422796	GG	AA	1940497955
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SNP_P1_237110_422837	NW_004516803.1	Scaffold1659	422837	TT	GG	1940497959
SNP_P1_237111_424148	NW_004516803.1	Scaffold1659	424148	AA	GG	1940497961
SNP_P1_237112_424204	NW_004516803.1	Scaffold1659	424204	CC	TT	1940497964
SNP_P1_237113_424250	NW_004516803.1	Scaffold1659	424250	CC	TT	1940497966
SNP_P1_237114_428511	NW_004516803.1	Scaffold1659	428511	TT	AA	1940497968
SNP_P1_237115_430193	NW_004516803.1	Scaffold1659	430193	TT	AA	1940497970

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237117_430470	NW_004516803.1	Scaffold1659	430470	AA	GG	1940497974
SNP_P1_237118_430485	NW_004516803.1	Scaffold1659	430485	AA	CC	1940497977
SNP_P1_237119_430490	NW_004516803.1	Scaffold1659	430490	AA	GG	1940497979
SNP_P1_237120_430502	NW_004516803.1	Scaffold1659	430502	GG	AA	1940497981
SNP_P1_237121_430513	NW_004516803.1	Scaffold1659	430513	GG	CC	1940497983
SNP_P1_237122_438065	NW_004516803.1	Scaffold1659	438065	GG	AA	1940497985
SNP_P1_237123_438074	NW_004516803.1	Scaffold1659	438074	GG	AA	1940497987
SNP_P1_237124_466160	NW_004516803.1	Scaffold1659	466160	GG	AA	1940497989
SNP_P1_237125_466335	NW_004516803.1	Scaffold1659	466335	GG	TT	1940497992
SNP_P1_237126_466352	NW_004516803.1	Scaffold1659	466352	AA	GG	1940497994
SNP_P1_237127_466910	NW_004516803.1	Scaffold1659	466910	TT	CC	1940497996
SNP_P1_237128_468098	NW_004516803.1	Scaffold1659	468098	TT	GG	1940497998
SNP_P1_237129_468122	NW_004516803.1	Scaffold1659	468122	CC	AA	1940498000
SNP_P1_237130_468162	NW_004516803.1	Scaffold1659	468162	AA	GG	1940498002
SNP_P1_237131_468416	NW_004516803.1	Scaffold1659	468416	AA	TT	1940498004
SNP_P1_237132_468427	NW_004516803.1	Scaffold1659	468427	GG	AA	1940498007
SNP_P1_237133_468543	NW_004516803.1	Scaffold1659	468543	TT	CC	1940498009
SNP_P1_237134_852	NW_004516805.1	Scaffold1661	852	AA	GG	1940498011
SNP_P1_237135_934	NW_004516805.1	Scaffold1661	934	AA	GG	1940498013
SNP_P1_237136_10507	NW_004516805.1	Scaffold1661	10507	AA	CC	1940498015
SNP_P1_237137_12075	NW_004516805.1	Scaffold1661	12075	TT	CC	1940498017
SNP_P1_237138_12242	NW_004516805.1	Scaffold1661	12242	CC	AA	1940498019
SNP_P1_237139_19781	NW_004516805.1	Scaffold1661	19781	CC	AA	1940498022
SNP_P1_237140_20783	NW_004516805.1	Scaffold1661	20783	TT	AA	1940498024
SNP_P1_237141_23513	NW_004516805.1	Scaffold1661	23513	GG	AA	1940498026
SNP_P1_237142_23514	NW_004516805.1	Scaffold1661	23514	AA	TT	1940498028
SNP_P1_237143_23561	NW_004516805.1	Scaffold1661	23561	CC	AA	1940498030
SNP_P1_237144_23562	NW_004516805.1	Scaffold1661	23562	GG	AA	1940498032
SNP_P1_237145_34645	NW_004516805.1	Scaffold1661	34645	CC	TT	1940498034
SNP_P1_237146_34653	NW_004516805.1	Scaffold1661	34653	GG	TT	1940498037
SNP_P1_237147_34661	NW_004516805.1	Scaffold1661	34661	AA	CC	1940498039
SNP_P1_237148_38474	NW_004516805.1	Scaffold1661	38474	TT	AA	1940498041
SNP_P1_237149_38511	NW_004516805.1	Scaffold1661	38511	TT	AA	1940498043
SNP_P1_237150_38536	NW_004516805.1	Scaffold1661	38536	TT	AA	1940498045
SNP_P1_237151_38580	NW_004516805.1	Scaffold1661	38580	TT	CC	1940498047
SNP_P1_237152_38678	NW_004516805.1	Scaffold1661	38678	CC	TT	1940498049
SNP_P1_237153_39683	NW_004516805.1	Scaffold1661	39683	AA	TT	1940498052
SNP_P1_237154_50173	NW_004516805.1	Scaffold1661	50173	AA	GG	1940498054
SNP_P1_237155_53917	NW_004516805.1	Scaffold1661	53917	AA	GG	1940498056
SNP_P1_237156_61758	NW_004516805.1	Scaffold1661	61758	GG	TT	1940498058
SNP_P1_237157_61772	NW_004516805.1	Scaffold1661	61772	TT	AA	1940498060

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_237158_61789	NW_004516805.1	Scaffold1661	61789	GG	TT	1940498062
SNP_P1_237159_61910	NW_004516805.1	Scaffold1661	61910	TT	AA	1940498064
SNP_P1_237161_65819	NW_004516805.1	Scaffold1661	65819	TT	CC	1940498067
SNP_P1_237162_69767	NW_004516805.1	Scaffold1661	69767	CC	TT	1940498069
SNP_P1_237164_89688	NW_004516805.1	Scaffold1661	89688	GG	AA	1940498071
SNP_P1_237165_89919	NW_004516805.1	Scaffold1661	89919	AA	GG	1940498073
SNP_P1_237167_97188	NW_004516805.1	Scaffold1661	97188	CC	TT	1940498075
SNP_P1_237169_112777	NW_004516805.1	Scaffold1661	112777	AA	GG	1940498077
SNP_P1_237170_112799	NW_004516805.1	Scaffold1661	112799	CC	TT	1940498079
SNP_P1_237171_112810	NW_004516805.1	Scaffold1661	112810	GG	AA	1940498082
SNP_P1_237172_112826	NW_004516805.1	Scaffold1661	112826	AA	GG	1940498084
SNP_P1_237173_112859	NW_004516805.1	Scaffold1661	112859	AA	CC	1940498086
SNP_P1_237174_117813	NW_004516805.1	Scaffold1661	117813	TT	GG	1940498088
SNP_P1_237175_117828	NW_004516805.1	Scaffold1661	117828	GG	AA	1940498090
SNP_P1_237176_118581	NW_004516805.1	Scaffold1661	118581	CC	AA	1940498092
SNP_P1_237177_118641	NW_004516805.1	Scaffold1661	118641	AA	GG	1940498094
SNP_P1_237178_554	NW_004516806.1	Scaffold1663	554	TT	AA	1940498097
SNP_P1_237179_604	NW_004516806.1	Scaffold1663	604	TT	AA	1940498099
SNP_P1_237180_676	NW_004516806.1	Scaffold1663	676	CC	GG	1940498101
SNP_P1_237182_32674	NW_004516807.1	Scaffold1664	32674	TT	CC	1940498103
SNP_P1_237183_34145	NW_004516807.1	Scaffold1664	34145	CC	TT	1940498105
SNP_P1_237184_37545	NW_004516807.1	Scaffold1664	37545	TT	CC	1940498107
SNP_P1_237185_48589	NW_004516807.1	Scaffold1664	48589	AA	TT	1940498109
SNP_P1_237187_63027	NW_004516807.1	Scaffold1664	63027	TT	GG	1940498112
SNP_P1_237188_63028	NW_004516807.1	Scaffold1664	63028	AA	CC	1940498114
SNP_P1_237189_86205	NW_004516807.1	Scaffold1664	86205	AA	TT	1940498116
SNP_P1_237190_94797	NW_004516807.1	Scaffold1664	94797	AA	GG	1940498118
SNP_P1_237191_94979	NW_004516807.1	Scaffold1664	94979	AA	GG	1940498120
SNP_P1_237192_94989	NW_004516807.1	Scaffold1664	94989	GG	AA	1940498122
SNP_P1_237193_191347	NW_004516807.1	Scaffold1664	191347	AA	GG	1940498124
SNP_P1_237194_2617	NW_004516810.1	Scaffold1673	2617	AA	GG	1940498127
SNP_P1_237195_2737	NW_004516810.1	Scaffold1673	2737	AA	TT	1940498129
SNP_P1_237196_10052	NW_004516810.1	Scaffold1673	10052	TT	CC	1940498131
SNP_P1_237197_64	NW_004516811.1	Scaffold1674	64	TT	CC	1940498133
SNP_P1_237198_65	NW_004516811.1	Scaffold1674	65	AA	GG	1940498135
SNP_P1_237199_123	NW_004516811.1	Scaffold1674	123	CC	TT	1940498137
SNP_P1_237200_405	NW_004516811.1	Scaffold1674	405	CC	TT	1940498139
SNP_P1_237201_511	NW_004516811.1	Scaffold1674	511	GG	TT	1940498142
SNP_P1_237204_504	NW_004516812.1	Scaffold1675	504	AA	GG	1940498144
SNP_P1_237206_714	NW_004516812.1	Scaffold1675	714	CC	TT	1940498146
SNP_P1_237207_723	NW_004516812.1	Scaffold1675	723	TT	AA	1940498148
SNP_P1_237208_895	NW_004516812.1	Scaffold1675	895	CC	GG	1940498150

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_237209_994	NW_004516812.1	Scaffold1675	994	GG	AA	1940498152
SNP_P1_237210_1239	NW_004516812.1	Scaffold1675	1239	GG	AA	1940498154
SNP_P1_237211_1243	NW_004516812.1	Scaffold1675	1243	AA	GG	1940498157
SNP_P1_237212_1264	NW_004516812.1	Scaffold1675	1264	AA	GG	1940498159
SNP_P1_237213_1309	NW_004516812.1	Scaffold1675	1309	TT	CC	1940498161
SNP_P1_237214_604	NW_004516814.1	Scaffold1679	604	AA	GG	1940498163
SNP_P1_237216_11603	NW_004516815.1	Scaffold1680	11603	TT	CC	1940498165
SNP_P1_237217_15732	NW_004516815.1	Scaffold1680	15732	AA	TT	1940498167
SNP_P1_237218_15886	NW_004516815.1	Scaffold1680	15886	AA	TT	1940498169
SNP_P1_237219_15954	NW_004516815.1	Scaffold1680	15954	TT	CC	1940498172
SNP_P1_237220_16312	NW_004516815.1	Scaffold1680	16312	CC	GG	1940498174
SNP_P1_237221_16431	NW_004516815.1	Scaffold1680	16431	CC	TT	1940498176
SNP_P1_237222_21212	NW_004516815.1	Scaffold1680	21212	TT	GG	1940498178
SNP_P1_237223_294	NW_004516816.1	Scaffold1681	294	TT	CC	1940498180
SNP_P1_237224_321	NW_004516816.1	Scaffold1681	321	TT	AA	1940498182
SNP_P1_237225_373	NW_004516816.1	Scaffold1681	373	CC	TT	1940498184
SNP_P1_237226_402	NW_004516816.1	Scaffold1681	402	AA	TT	1940498187
SNP_P1_237227_450	NW_004516816.1	Scaffold1681	450	GG	TT	1940498189
SNP_P1_237228_480	NW_004516816.1	Scaffold1681	480	GG	AA	1940498191
SNP_P1_237229_635	NW_004516816.1	Scaffold1681	635	CC	AA	1940498193
SNP_P1_237230_685	NW_004516816.1	Scaffold1681	685	CC	GG	1940498195
SNP_P1_237231_756	NW_004516816.1	Scaffold1681	756	AA	GG	1940498197
SNP_P1_237232_849	NW_004516816.1	Scaffold1681	849	CC	TT	1940498199
SNP_P1_237234_998	NW_004516816.1	Scaffold1681	998	AA	GG	1940498202
SNP_P1_237235_1160	NW_004516816.1	Scaffold1681	1160	GG	TT	1940498204
SNP_P1_237236_1335	NW_004516816.1	Scaffold1681	1335	AA	GG	1940498206
SNP_P1_237237_1364	NW_004516816.1	Scaffold1681	1364	TT	AA	1940498208
SNP_P1_237238_1421	NW_004516816.1	Scaffold1681	1421	AA	CC	1940498210
SNP_P1_237239_1572	NW_004516816.1	Scaffold1681	1572	TT	AA	1940498212
SNP_P1_237240_1749	NW_004516816.1	Scaffold1681	1749	CC	TT	1940498214
SNP_P1_237241_1914	NW_004516816.1	Scaffold1681	1914	GG	AA	1940498217
SNP_P1_237242_1935	NW_004516816.1	Scaffold1681	1935	GG	TT	1940498219
SNP_P1_237243_2496	NW_004516816.1	Scaffold1681	2496	CC	TT	1940498221
SNP_P1_237244_2513	NW_004516816.1	Scaffold1681	2513	GG	AA	1940498223
SNP_P1_237245_2801	NW_004516816.1	Scaffold1681	2801	AA	TT	1940498225
SNP_P1_237246_2809	NW_004516816.1	Scaffold1681	2809	GG	TT	1940498227
SNP_P1_237247_2840	NW_004516816.1	Scaffold1681	2840	GG	AA	1940498229
SNP_P1_237248_3608	NW_004516816.1	Scaffold1681	3608	AA	TT	1940498232
SNP_P1_237249_3911	NW_004516816.1	Scaffold1681	3911	AA	TT	1940498234
SNP_P1_237250_3944	NW_004516816.1	Scaffold1681	3944	TT	AA	1940498236
SNP_P1_237251_5308	NW_004516816.1	Scaffold1681	5308	GG	CC	1940498238
SNP_P1_237252_5949	NW_004516816.1	Scaffold1681	5949	TT	CC	1940498240

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237254_6497	NW_004516816.1	Scaffold1681	6497	TT	CC	1940498244
SNP_P1_237255_6544	NW_004516816.1	Scaffold1681	6544	CC	TT	1940498247
SNP_P1_237256_6614	NW_004516816.1	Scaffold1681	6614	TT	GG	1940498249
SNP_P1_237257_6634	NW_004516816.1	Scaffold1681	6634	AA	TT	1940498251
SNP_P1_237258_6714	NW_004516816.1	Scaffold1681	6714	AA	GG	1940498253
SNP_P1_237259_6722	NW_004516816.1	Scaffold1681	6722	AA	GG	1940498255
SNP_P1_237260_6838	NW_004516816.1	Scaffold1681	6838	GG	AA	1940498257
SNP_P1_237261_6864	NW_004516816.1	Scaffold1681	6864	CC	GG	1940498259
SNP_P1_237262_6904	NW_004516816.1	Scaffold1681	6904	CC	AA	1940498262
SNP_P1_237263_6913	NW_004516816.1	Scaffold1681	6913	CC	AA	1940498264
SNP_P1_237264_7082	NW_004516816.1	Scaffold1681	7082	AA	TT	1940498266
SNP_P1_237265_7147	NW_004516816.1	Scaffold1681	7147	AA	GG	1940498268
SNP_P1_237266_7258	NW_004516816.1	Scaffold1681	7258	TT	CC	1940498270
SNP_P1_237267_7289	NW_004516816.1	Scaffold1681	7289	TT	CC	1940498272
SNP_P1_237268_3013	NW_004516817.1	Scaffold1682	3013	AA	CC	1940498274
SNP_P1_237270_15332	NW_004516817.1	Scaffold1682	15332	TT	CC	1940498277
SNP_P1_237271_16532	NW_004516817.1	Scaffold1682	16532	CC	TT	1940498279
SNP_P1_237273_1612	NW_004516819.1	Scaffold1684	1612	AA	GG	1940498281
SNP_P1_237274_1667	NW_004516819.1	Scaffold1684	1667	AA	GG	1940498283
SNP_P1_237275_1709	NW_004516819.1	Scaffold1684	1709	TT	AA	1940498285
SNP_P1_237276_1710	NW_004516819.1	Scaffold1684	1710	CC	TT	1940498287
SNP_P1_237277_5991	NW_004516819.1	Scaffold1684	5991	AA	CC	1940498289
SNP_P1_237278_6135	NW_004516819.1	Scaffold1684	6135	AA	GG	1940498291
SNP_P1_237279_6197	NW_004516819.1	Scaffold1684	6197	GG	TT	1940498294
SNP_P1_237280_6247	NW_004516819.1	Scaffold1684	6247	CC	GG	1940498296
SNP_P1_237281_6391	NW_004516819.1	Scaffold1684	6391	GG	AA	1940498298
SNP_P1_237282_17096	NW_004516819.1	Scaffold1684	17096	TT	CC	1940498300
SNP_P1_237283_17101	NW_004516819.1	Scaffold1684	17101	TT	CC	1940498302
SNP_P1_237284_17110	NW_004516819.1	Scaffold1684	17110	AA	CC	1940498304
SNP_P1_237285_17127	NW_004516819.1	Scaffold1684	17127	AA	CC	1940498306
SNP_P1_237286_17169	NW_004516819.1	Scaffold1684	17169	AA	TT	1940498309
SNP_P1_237287_17212	NW_004516819.1	Scaffold1684	17212	CC	TT	1940498311
SNP_P1_237288_17215	NW_004516819.1	Scaffold1684	17215	CC	GG	1940498313
SNP_P1_237289_17570	NW_004516819.1	Scaffold1684	17570	TT	CC	1940498315
SNP_P1_237290_19671	NW_004516819.1	Scaffold1684	19671	GG	CC	1940498317
SNP_P1_237291_22957	NW_004516819.1	Scaffold1684	22957	TT	GG	1940498319
SNP_P1_237292_23002	NW_004516819.1	Scaffold1684	23002	TT	GG	1940498321
SNP_P1_237293_23035	NW_004516819.1	Scaffold1684	23035	GG	AA	1940498324
SNP_P1_237294_23057	NW_004516819.1	Scaffold1684	23057	AA	GG	1940498326
SNP_P1_237295_24226	NW_004516819.1	Scaffold1684	24226	CC	GG	1940498328
SNP_P1_237296_24277	NW_004516819.1	Scaffold1684	24277	GG	AA	1940498330

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237298_24750	NW_004516819.1	Scaffold1684	24750	AA	CC	1940498334
SNP_P1_237299_24770	NW_004516819.1	Scaffold1684	24770	CC	TT	1940498336
SNP_P1_237300_24780	NW_004516819.1	Scaffold1684	24780	TT	CC	1940498339
SNP_P1_237301_26738	NW_004516819.1	Scaffold1684	26738	AA	GG	1940498341
SNP_P1_237302_27591	NW_004516819.1	Scaffold1684	27591	CC	TT	1940498343
SNP_P1_237303_28158	NW_004516819.1	Scaffold1684	28158	GG	AA	1940498345
SNP_P1_237304_28184	NW_004516819.1	Scaffold1684	28184	AA	CC	1940498347
SNP_P1_237305_28471	NW_004516819.1	Scaffold1684	28471	CC	TT	1940498349
SNP_P1_237306_28511	NW_004516819.1	Scaffold1684	28511	TT	CC	1940498351
SNP_P1_237307_28523	NW_004516819.1	Scaffold1684	28523	CC	GG	1940498354
SNP_P1_237308_28632	NW_004516819.1	Scaffold1684	28632	TT	CC	1940498356
SNP_P1_237309_28808	NW_004516819.1	Scaffold1684	28808	TT	CC	1940498358
SNP_P1_237310_28940	NW_004516819.1	Scaffold1684	28940	GG	CC	1940498360
SNP_P1_237311_28968	NW_004516819.1	Scaffold1684	28968	GG	AA	1940498362
SNP_P1_237312_28975	NW_004516819.1	Scaffold1684	28975	TT	CC	1940498364
SNP_P1_237313_28989	NW_004516819.1	Scaffold1684	28989	CC	TT	1940498366
SNP_P1_237314_29014	NW_004516819.1	Scaffold1684	29014	CC	TT	1940498369
SNP_P1_237315_29037	NW_004516819.1	Scaffold1684	29037	AA	TT	1940498371
SNP_P1_237316_29071	NW_004516819.1	Scaffold1684	29071	AA	TT	1940498373
SNP_P1_237317_29089	NW_004516819.1	Scaffold1684	29089	GG	CC	1940498375
SNP_P1_237318_29091	NW_004516819.1	Scaffold1684	29091	GG	TT	1940498377
SNP_P1_237319_29122	NW_004516819.1	Scaffold1684	29122	CC	TT	1940498379
SNP_P1_237320_29200	NW_004516819.1	Scaffold1684	29200	TT	AA	1940498381
SNP_P1_237321_29319	NW_004516819.1	Scaffold1684	29319	GG	AA	1940498384
SNP_P1_237322_29392	NW_004516819.1	Scaffold1684	29392	TT	AA	1940498386
SNP_P1_237323_29440	NW_004516819.1	Scaffold1684	29440	AA	TT	1940498388
SNP_P1_237324_29480	NW_004516819.1	Scaffold1684	29480	TT	CC	1940498390
SNP_P1_237325_29494	NW_004516819.1	Scaffold1684	29494	AA	TT	1940498392
SNP_P1_237326_29533	NW_004516819.1	Scaffold1684	29533	TT	CC	1940498394
SNP_P1_237327_29552	NW_004516819.1	Scaffold1684	29552	AA	TT	1940498396
SNP_P1_237328_29563	NW_004516819.1	Scaffold1684	29563	GG	CC	1940498399
SNP_P1_237329_29637	NW_004516819.1	Scaffold1684	29637	AA	CC	1940498401
SNP_P1_237330_29673	NW_004516819.1	Scaffold1684	29673	GG	AA	1940498403
SNP_P1_237331_29692	NW_004516819.1	Scaffold1684	29692	TT	AA	1940498405
SNP_P1_237332_29726	NW_004516819.1	Scaffold1684	29726	CC	TT	1940498407
SNP_P1_237333_29742	NW_004516819.1	Scaffold1684	29742	CC	TT	1940498409
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SNP_P1_237335_29861	NW_004516819.1	Scaffold1684	29861	CC	AA	1940498414
SNP_P1_237336_29966	NW_004516819.1	Scaffold1684	29966	GG	AA	1940498416
SNP_P1_237337_30551	NW_004516819.1	Scaffold1684	30551	AA	GG	1940498418
SNP_P1_237338_30559	NW_004516819.1	Scaffold1684	30559	GG	AA	1940498420

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237340_40602	NW_004516819.1	Scaffold1684	40602	CC	TT	1940498424
SNP_P1_237341_40850	NW_004516819.1	Scaffold1684	40850	GG	TT	1940498426
SNP_P1_237342_40899	NW_004516819.1	Scaffold1684	40899	TT	GG	1940498428
SNP_P1_237343_44572	NW_004516819.1	Scaffold1684	44572	CC	TT	1940498431
SNP_P1_237344_44758	NW_004516819.1	Scaffold1684	44758	AA	GG	1940498433
SNP_P1_237345_44987	NW_004516819.1	Scaffold1684	44987	TT	CC	1940498435
SNP_P1_237346_45057	NW_004516819.1	Scaffold1684	45057	AA	TT	1940498437
SNP_P1_237347_45081	NW_004516819.1	Scaffold1684	45081	TT	CC	1940498439
SNP_P1_237348_52749	NW_004516819.1	Scaffold1684	52749	GG	AA	1940498441
SNP_P1_237349_52936	NW_004516819.1	Scaffold1684	52936	GG	AA	1940498444
SNP_P1_237350_53287	NW_004516819.1	Scaffold1684	53287	GG	AA	1940498446
SNP_P1_237351_60162	NW_004516819.1	Scaffold1684	60162	TT	GG	1940498448
SNP_P1_237352_60256	NW_004516819.1	Scaffold1684	60256	CC	TT	1940498450
SNP_P1_237353_62694	NW_004516819.1	Scaffold1684	62694	CC	TT	1940498452
SNP_P1_237354_62991	NW_004516819.1	Scaffold1684	62991	AA	GG	1940498454
SNP_P1_237355_63107	NW_004516819.1	Scaffold1684	63107	CC	TT	1940498456
SNP_P1_237356_63269	NW_004516819.1	Scaffold1684	63269	GG	CC	1940498459
SNP_P1_237357_63502	NW_004516819.1	Scaffold1684	63502	GG	AA	1940498461
SNP_P1_237358_63563	NW_004516819.1	Scaffold1684	63563	AA	GG	1940498463
SNP_P1_237359_63568	NW_004516819.1	Scaffold1684	63568	AA	CC	1940498465
SNP_P1_237360_63581	NW_004516819.1	Scaffold1684	63581	AA	TT	1940498467
SNP_P1_237362_70877	NW_004516819.1	Scaffold1684	70877	GG	AA	1940498469
SNP_P1_237363_71054	NW_004516819.1	Scaffold1684	71054	CC	TT	1940498471
SNP_P1_237364_71059	NW_004516819.1	Scaffold1684	71059	CC	AA	1940498473
SNP_P1_237365_71070	NW_004516819.1	Scaffold1684	71070	TT	GG	1940498476
SNP_P1_237366_71276	NW_004516819.1	Scaffold1684	71276	AA	GG	1940498478
SNP_P1_237367_71306	NW_004516819.1	Scaffold1684	71306	CC	TT	1940498480
SNP_P1_237368_71329	NW_004516819.1	Scaffold1684	71329	GG	AA	1940498482
SNP_P1_237369_71460	NW_004516819.1	Scaffold1684	71460	AA	TT	1940498484
SNP_P1_237370_71612	NW_004516819.1	Scaffold1684	71612	TT	CC	1940498486
SNP_P1_237371_75705	NW_004516819.1	Scaffold1684	75705	CC	AA	1940498488
SNP_P1_237373_3663	NW_004516820.1	Scaffold1685	3663	CC	TT	1940498491
SNP_P1_237374_13916	NW_004516820.1	Scaffold1685	13916	CC	AA	1940498493
SNP_P1_237376_15469	NW_004516820.1	Scaffold1685	15469	TT	GG	1940498495
SNP_P1_237377_15476	NW_004516820.1	Scaffold1685	15476	TT	CC	1940498497
SNP_P1_237378_15717	NW_004516820.1	Scaffold1685	15717	TT	AA	1940498499
SNP_P1_237379_16068	NW_004516820.1	Scaffold1685	16068	AA	GG	1940498501
SNP_P1_237380_16074	NW_004516820.1	Scaffold1685	16074	AA	CC	1940498504
SNP_P1_237381_22016	NW_004516820.1	Scaffold1685	22016	TT	GG	1940498506
SNP_P1_237382_27943	NW_004516820.1	Scaffold1685	27943	AA	GG	1940498508
SNP_P1_237383_28482	NW_004516820.1	Scaffold1685	28482	TT	CC	1940498510

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_237384_28542	NW_004516820.1	Scaffold1685	28542	AA	TT	1940498512
SNP_P1_237385_28771	NW_004516820.1	Scaffold1685	28771	GG	TT	1940498514
SNP_P1_237386_32843	NW_004516820.1	Scaffold1685	32843	GG	AA	1940498516
SNP_P1_237387_33002	NW_004516820.1	Scaffold1685	33002	CC	TT	1940498519
SNP_P1_237388_33007	NW_004516820.1	Scaffold1685	33007	CC	TT	1940498521
SNP_P1_237389_33247	NW_004516820.1	Scaffold1685	33247	AA	CC	1940498523
SNP_P1_237390_33394	NW_004516820.1	Scaffold1685	33394	TT	CC	1940498525
SNP_P1_237391_53481	NW_004516820.1	Scaffold1685	53481	CC	TT	1940498527
SNP_P1_237392_53511	NW_004516820.1	Scaffold1685	53511	TT	GG	1940498529
SNP_P1_237393_53519	NW_004516820.1	Scaffold1685	53519	GG	AA	1940498531
SNP_P1_237394_53520	NW_004516820.1	Scaffold1685	53520	AA	GG	1940498533
SNP_P1_237395_53828	NW_004516820.1	Scaffold1685	53828	AA	GG	1940498536
SNP_P1_237396_59050	NW_004516820.1	Scaffold1685	59050	TT	CC	1940498538
SNP_P1_237397_62223	NW_004516820.1	Scaffold1685	62223	TT	CC	1940498540
SNP_P1_237398_62238	NW_004516820.1	Scaffold1685	62238	AA	GG	1940498542
SNP_P1_237399_64716	NW_004516820.1	Scaffold1685	64716	AA	CC	1940498544
SNP_P1_237400_64750	NW_004516820.1	Scaffold1685	64750	CC	TT	1940498546
SNP_P1_237401_64797	NW_004516820.1	Scaffold1685	64797	GG	CC	1940498549
SNP_P1_237403_64926	NW_004516820.1	Scaffold1685	64926	GG	AA	1940498551
SNP_P1_237404_65108	NW_004516820.1	Scaffold1685	65108	AA	GG	1940498553
SNP_P1_237405_65130	NW_004516820.1	Scaffold1685	65130	CC	AA	1940498555
SNP_P1_237406_65150	NW_004516820.1	Scaffold1685	65150	GG	AA	1940498557
SNP_P1_237407_76839	NW_004516820.1	Scaffold1685	76839	CC	AA	1940498559
SNP_P1_237408_76845	NW_004516820.1	Scaffold1685	76845	TT	CC	1940498561
SNP_P1_237409_76997	NW_004516820.1	Scaffold1685	76997	AA	TT	1940498564
SNP_P1_237410_77006	NW_004516820.1	Scaffold1685	77006	AA	TT	1940498566
SNP_P1_237411_77019	NW_004516820.1	Scaffold1685	77019	TT	AA	1940498568
SNP_P1_237412_77026	NW_004516820.1	Scaffold1685	77026	AA	GG	1940498570
SNP_P1_237413_77045	NW_004516820.1	Scaffold1685	77045	GG	CC	1940498572
SNP_P1_237415_77056	NW_004516820.1	Scaffold1685	77056	AA	GG	1940498574
SNP_P1_237416_77067	NW_004516820.1	Scaffold1685	77067	CC	TT	1940498576
SNP_P1_237417_79013	NW_004516820.1	Scaffold1685	79013	AA	CC	1940498579
SNP_P1_237418_80626	NW_004516820.1	Scaffold1685	80626	GG	CC	1940498581
SNP_P1_237419_83166	NW_004516820.1	Scaffold1685	83166	TT	CC	1940498583
SNP_P1_237420_83206	NW_004516820.1	Scaffold1685	83206	TT	CC	1940498585
SNP_P1_237421_83235	NW_004516820.1	Scaffold1685	83235	AA	CC	1940498587
SNP_P1_237422_83438	NW_004516820.1	Scaffold1685	83438	TT	CC	1940498588
SNP_P1_237423_88573	NW_004516820.1	Scaffold1685	88573	TT	CC	1940498589
SNP_P1_237424_88611	NW_004516820.1	Scaffold1685	88611	CC	AA	1940498590
SNP_P1_237425_88825	NW_004516820.1	Scaffold1685	88825	AA	TT	1940498592
SNP_P1_237426_88828	NW_004516820.1	Scaffold1685	88828	TT	CC	1940498594
SNP_P1_237427_88885	NW_004516820.1	Scaffold1685	88885	AA	CC	1940498596

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_237428_89145	NW_004516820.1	Scaffold1685	89145	CC	TT	1940498599
SNP_P1_237429_89159	NW_004516820.1	Scaffold1685	89159	CC	AA	1940498601
SNP_P1_237430_89167	NW_004516820.1	Scaffold1685	89167	CC	GG	1940498603
SNP_P1_237431_95774	NW_004516820.1	Scaffold1685	95774	CC	GG	1940498605
SNP_P1_237432_95777	NW_004516820.1	Scaffold1685	95777	AA	GG	1940498607
SNP_P1_237433_95784	NW_004516820.1	Scaffold1685	95784	GG	AA	1940498609
SNP_P1_237434_100356	NW_004516820.1	Scaffold1685	100356	CC	TT	1940498611
SNP_P1_237435_103349	NW_004516820.1	Scaffold1685	103349	GG	TT	1940498614
SNP_P1_237436_106713	NW_004516820.1	Scaffold1685	106713	TT	CC	1940498616
SNP_P1_237437_106760	NW_004516820.1	Scaffold1685	106760	CC	TT	1940498618
SNP_P1_237439_109393	NW_004516820.1	Scaffold1685	109393	TT	CC	1940498620
SNP_P1_237440_109420	NW_004516820.1	Scaffold1685	109420	TT	AA	1940498622
SNP_P1_237441_109770	NW_004516820.1	Scaffold1685	109770	CC	AA	1940498624
SNP_P1_237443_126363	NW_004516820.1	Scaffold1685	126363	TT	CC	1940498626
SNP_P1_237444_127785	NW_004516820.1	Scaffold1685	127785	GG	CC	1940498629
SNP_P1_237445_127797	NW_004516820.1	Scaffold1685	127797	AA	GG	1940498631
SNP_P1_237446_127933	NW_004516820.1	Scaffold1685	127933	TT	AA	1940498633
SNP_P1_237447_128047	NW_004516820.1	Scaffold1685	128047	TT	AA	1940498635
SNP_P1_237448_128118	NW_004516820.1	Scaffold1685	128118	AA	GG	1940498637
SNP_P1_237449_128176	NW_004516820.1	Scaffold1685	128176	AA	TT	1940498639
SNP_P1_237450_128312	NW_004516820.1	Scaffold1685	128312	GG	TT	1940498641
SNP_P1_237451_130826	NW_004516820.1	Scaffold1685	130826	GG	AA	1940498644
SNP_P1_237452_130877	NW_004516820.1	Scaffold1685	130877	AA	CC	1940498646
SNP_P1_237453_131144	NW_004516820.1	Scaffold1685	131144	CC	TT	1940498648
SNP_P1_237454_131148	NW_004516820.1	Scaffold1685	131148	CC	TT	1940498650
SNP_P1_237455_131151	NW_004516820.1	Scaffold1685	131151	CC	TT	1940498652
SNP_P1_237456_135919	NW_004516820.1	Scaffold1685	135919	TT	AA	1940498654
SNP_P1_237457_136209	NW_004516820.1	Scaffold1685	136209	AA	GG	1940498656
SNP_P1_237458_136218	NW_004516820.1	Scaffold1685	136218	CC	GG	1940498659
SNP_P1_237459_136266	NW_004516820.1	Scaffold1685	136266	GG	AA	1940498661
SNP_P1_237460_22927	NW_004516822.1	Scaffold1687	22927	TT	CC	1940498663
SNP_P1_237461_25972	NW_004516822.1	Scaffold1687	25972	TT	GG	1940498665
SNP_P1_237462_26650	NW_004516822.1	Scaffold1687	26650	CC	TT	1940498667
SNP_P1_237463_26921	NW_004516822.1	Scaffold1687	26921	CC	TT	1940498669
SNP_P1_237466_80310	NW_004516822.1	Scaffold1687	80310	AA	GG	1940498672
SNP_P1_237467_80637	NW_004516822.1	Scaffold1687	80637	TT	AA	1940498674
SNP_P1_237468_85085	NW_004516822.1	Scaffold1687	85085	AA	GG	1940498676
SNP_P1_237469_85088	NW_004516822.1	Scaffold1687	85088	AA	GG	1940498678
SNP_P1_237471_97082	NW_004516822.1	Scaffold1687	97082	GG	AA	1940498680
SNP_P1_237472_103007	NW_004516822.1	Scaffold1687	103007	AA	GG	1940498682
SNP_P1_237473_103289	NW_004516822.1	Scaffold1687	103289	TT	CC	1940498684
SNP_P1_237474_103413	NW_004516822.1	Scaffold1687	103413	AA	CC	1940498687

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237476_144481	NW_004516822.1	Scaffold1687	144481	CC	TT	1940498691
SNP_P1_237477_144609	NW_004516822.1	Scaffold1687	144609	GG	AA	1940498693
SNP_P1_237478_144623	NW_004516822.1	Scaffold1687	144623	TT	GG	1940498695
SNP_P1_237479_144636	NW_004516822.1	Scaffold1687	144636	AA	GG	1940498697
SNP_P1_237480_144637	NW_004516822.1	Scaffold1687	144637	GG	AA	1940498699
SNP_P1_237481_144662	NW_004516822.1	Scaffold1687	144662	CC	AA	1940498702
SNP_P1_237482_144667	NW_004516822.1	Scaffold1687	144667	CC	GG	1940498704
SNP_P1_237484_150652	NW_004516822.1	Scaffold1687	150652	GG	AA	1940498706
SNP_P1_237487_170381	NW_004516822.1	Scaffold1687	170381	GG	AA	1940498708
SNP_P1_237488_175449	NW_004516822.1	Scaffold1687	175449	CC	GG	1940498710
SNP_P1_237489_180732	NW_004516822.1	Scaffold1687	180732	TT	CC	1940498712
SNP_P1_237490_189466	NW_004516822.1	Scaffold1687	189466	TT	CC	1940498714
SNP_P1_237491_190264	NW_004516822.1	Scaffold1687	190264	TT	AA	1940498717
SNP_P1_237492_190265	NW_004516822.1	Scaffold1687	190265	TT	AA	1940498719
SNP_P1_237493_192103	NW_004516822.1	Scaffold1687	192103	GG	AA	1940498721
SNP_P1_237494_192945	NW_004516822.1	Scaffold1687	192945	GG	AA	1940498723
SNP_P1_237495_196971	NW_004516822.1	Scaffold1687	196971	AA	CC	1940498725
SNP_P1_237496_210303	NW_004516822.1	Scaffold1687	210303	CC	TT	1940498727
SNP_P1_237497_224163	NW_004516822.1	Scaffold1687	224163	TT	CC	1940498729
SNP_P1_237499_224512	NW_004516822.1	Scaffold1687	224512	TT	CC	1940498732
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SNP_P1_237502_2423	NW_004516823.1	Scaffold1688	2423	AA	GG	1940498738
SNP_P1_237503_2431	NW_004516823.1	Scaffold1688	2431	TT	CC	1940498740
SNP_P1_237504_2432	NW_004516823.1	Scaffold1688	2432	CC	GG	1940498742
SNP_P1_237505_1821	NW_004516824.1	Scaffold1689	1821	AA	CC	1940498744
SNP_P1_237506_13800	NW_004516825.1	Scaffold1690	13800	AA	CC	1940498747
SNP_P1_237507_16154	NW_004516825.1	Scaffold1690	16154	GG	TT	1940498749
SNP_P1_237508_16434	NW_004516825.1	Scaffold1690	16434	TT	CC	1940498751
SNP_P1_237509_16436	NW_004516825.1	Scaffold1690	16436	GG	AA	1940498753
SNP_P1_237510_16901	NW_004516825.1	Scaffold1690	16901	AA	GG	1940498755
SNP_P1_237511_17066	NW_004516825.1	Scaffold1690	17066	TT	AA	1940498757
SNP_P1_237512_2363	NW_004516829.1	Scaffold1695	2363	TT	CC	1940498759
SNP_P1_237513_2727	NW_004516829.1	Scaffold1695	2727	GG	TT	1940498762
SNP_P1_237514_2744	NW_004516829.1	Scaffold1695	2744	CC	TT	1940498764
SNP_P1_237515_6193	NW_004516829.1	Scaffold1695	6193	GG	AA	1940498766
SNP_P1_237516_6218	NW_004516829.1	Scaffold1695	6218	CC	TT	1940498768
SNP_P1_237517_443	NW_004516830.1	Scaffold1696	443	TT	CC	1940498770
SNP_P1_237518_458	NW_004516830.1	Scaffold1696	458	TT	AA	1940498772
SNP_P1_237519_470	NW_004516830.1	Scaffold1696	470	TT	AA	1940498774
SNP_P1_237520_493	NW_004516830.1	Scaffold1696	493	TT	AA	1940498777

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237522_3710	NW_004516830.1	Scaffold1696	3710	TT	CC	1940498781
SNP_P1_237523_3815	NW_004516830.1	Scaffold1696	3815	TT	AA	1940498783
SNP_P1_237524_3817	NW_004516830.1	Scaffold1696	3817	AA	GG	1940498785
SNP_P1_237525_3819	NW_004516830.1	Scaffold1696	3819	TT	AA	1940498787
SNP_P1_237526_3822	NW_004516830.1	Scaffold1696	3822	TT	AA	1940498789
SNP_P1_237527_3823	NW_004516830.1	Scaffold1696	3823	TT	AA	1940498792
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SNP_P1_237529_3827	NW_004516830.1	Scaffold1696	3827	TT	AA	1940498796
SNP_P1_237530_3829	NW_004516830.1	Scaffold1696	3829	CC	TT	1940498798
SNP_P1_237531_3831	NW_004516830.1	Scaffold1696	3831	TT	AA	1940498800
SNP_P1_237532_3941	NW_004516830.1	Scaffold1696	3941	TT	CC	1940498802
SNP_P1_237533_3949	NW_004516830.1	Scaffold1696	3949	AA	TT	1940498804
SNP_P1_237534_3982	NW_004516830.1	Scaffold1696	3982	AA	TT	1940498807
SNP_P1_237535_4076	NW_004516830.1	Scaffold1696	4076	AA	GG	1940498809
SNP_P1_237536_4137	NW_004516830.1	Scaffold1696	4137	CC	TT	1940498811
SNP_P1_237538_4571	NW_004516830.1	Scaffold1696	4571	TT	CC	1940498813
SNP_P1_237539_4637	NW_004516830.1	Scaffold1696	4637	AA	GG	1940498815
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SNP_P1_237542_4948	NW_004516830.1	Scaffold1696	4948	CC	TT	1940498822
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SNP_P1_237547_5134	NW_004516830.1	Scaffold1696	5134	TT	AA	1940498832
SNP_P1_237548_5198	NW_004516830.1	Scaffold1696	5198	GG	AA	1940498834
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SNP_P1_237551_5348	NW_004516830.1	Scaffold1696	5348	CC	AA	1940498841
SNP_P1_237553_5448	NW_004516830.1	Scaffold1696	5448	AA	GG	1940498843
SNP_P1_237554_5532	NW_004516830.1	Scaffold1696	5532	CC	AA	1940498845
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SNP_P1_237557_6775	NW_004516830.1	Scaffold1696	6775	GG	CC	1940498852
SNP_P1_237558_6786	NW_004516830.1	Scaffold1696	6786	GG	AA	1940498854
SNP_P1_237559_6813	NW_004516830.1	Scaffold1696	6813	CC	GG	1940498856
SNP_P1_237560_7919	NW_004516830.1	Scaffold1696	7919	AA	GG	1940498858
SNP_P1_237561_7997	NW_004516830.1	Scaffold1696	7997	CC	TT	1940498860
SNP_P1_237562_8230	NW_004516830.1	Scaffold1696	8230	AA	CC	1940498862
SNP_P1_237563_8369	NW_004516830.1	Scaffold1696	8369	CC	AA	1940498864
SNP_P1_237564_8383	NW_004516830.1	Scaffold1696	8383	CC	TT	1940498867

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237566_10695	NW_004516830.1	Scaffold1696	10695	TT	AA	1940498871
SNP_P1_237567_12510	NW_004516830.1	Scaffold1696	12510	TT	CC	1940498873
SNP_P1_237568_12572	NW_004516830.1	Scaffold1696	12572	CC	TT	1940498875
SNP_P1_237569_12584	NW_004516830.1	Scaffold1696	12584	CC	TT	1940498877
SNP_P1_237570_12704	NW_004516830.1	Scaffold1696	12704	AA	GG	1940498879
SNP_P1_237571_12754	NW_004516830.1	Scaffold1696	12754	TT	CC	1940498882
SNP_P1_237572_12853	NW_004516830.1	Scaffold1696	12853	AA	GG	1940498884
SNP_P1_237573_12901	NW_004516830.1	Scaffold1696	12901	CC	AA	1940498886
SNP_P1_237574_12946	NW_004516830.1	Scaffold1696	12946	GG	TT	1940498888
SNP_P1_237575_12951	NW_004516830.1	Scaffold1696	12951	CC	AA	1940498890
SNP_P1_237576_12956	NW_004516830.1	Scaffold1696	12956	TT	CC	1940498892
SNP_P1_237577_12957	NW_004516830.1	Scaffold1696	12957	GG	AA	1940498894
SNP_P1_237578_13432	NW_004516830.1	Scaffold1696	13432	TT	CC	1940498897
SNP_P1_237579_15603	NW_004516830.1	Scaffold1696	15603	TT	AA	1940498899
SNP_P1_237580_15666	NW_004516830.1	Scaffold1696	15666	AA	GG	1940498901
SNP_P1_237581_15979	NW_004516830.1	Scaffold1696	15979	TT	CC	1940498903
SNP_P1_237582_16022	NW_004516830.1	Scaffold1696	16022	TT	GG	1940498905
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SNP_P1_237584_16268	NW_004516830.1	Scaffold1696	16268	GG	CC	1940498909
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SNP_P1_237586_16431	NW_004516830.1	Scaffold1696	16431	GG	AA	1940498914
SNP_P1_237587_20172	NW_004516830.1	Scaffold1696	20172	CC	TT	1940498916
SNP_P1_237588_20255	NW_004516830.1	Scaffold1696	20255	TT	CC	1940498918
SNP_P1_237589_20420	NW_004516830.1	Scaffold1696	20420	AA	TT	1940498920
SNP_P1_237590_20465	NW_004516830.1	Scaffold1696	20465	CC	TT	1940498922
SNP_P1_237591_20483	NW_004516830.1	Scaffold1696	20483	AA	GG	1940498924
SNP_P1_237592_20494	NW_004516830.1	Scaffold1696	20494	CC	AA	1940498926
SNP_P1_237593_20499	NW_004516830.1	Scaffold1696	20499	AA	CC	1940498928
SNP_P1_237594_20758	NW_004516830.1	Scaffold1696	20758	CC	AA	1940498930
SNP_P1_237595_20899	NW_004516830.1	Scaffold1696	20899	CC	TT	1940498932
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SNP_P1_237601_21365	NW_004516830.1	Scaffold1696	21365	AA	GG	1940498945
SNP_P1_237602_21449	NW_004516830.1	Scaffold1696	21449	TT	AA	1940498947
SNP_P1_237603_21459	NW_004516830.1	Scaffold1696	21459	GG	CC	1940498949
SNP_P1_237604_21486	NW_004516830.1	Scaffold1696	21486	GG	AA	1940498951
SNP_P1_237605_21582	NW_004516830.1	Scaffold1696	21582	GG	AA	1940498954
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237609_21677	NW_004516830.1	Scaffold1696	21677	CC	TT	1940498962
SNP_P1_237610_22826	NW_004516830.1	Scaffold1696	22826	AA	GG	1940498964
SNP_P1_237611_22855	NW_004516830.1	Scaffold1696	22855	AA	GG	1940498966
SNP_P1_237612_22905	NW_004516830.1	Scaffold1696	22905	TT	AA	1940498969
SNP_P1_237613_22924	NW_004516830.1	Scaffold1696	22924	AA	GG	1940498971
SNP_P1_237614_23124	NW_004516830.1	Scaffold1696	23124	GG	TT	1940498973
SNP_P1_237615_23140	NW_004516830.1	Scaffold1696	23140	CC	GG	1940498975
SNP_P1_237616_23179	NW_004516830.1	Scaffold1696	23179	CC	TT	1940498977
SNP_P1_237617_450	NW_004516832.1	Scaffold1699	450	AA	TT	1940498979
SNP_P1_237618_456	NW_004516832.1	Scaffold1699	456	GG	AA	1940498981
SNP_P1_237619_540	NW_004516832.1	Scaffold1699	540	CC	GG	1940498984
SNP_P1_237620_665	NW_004516832.1	Scaffold1699	665	AA	CC	1940498986
SNP_P1_237621_668	NW_004516832.1	Scaffold1699	668	AA	GG	1940498988
SNP_P1_237622_927	NW_004516832.1	Scaffold1699	927	TT	GG	1940498990
SNP_P1_237623_1066	NW_004516832.1	Scaffold1699	1066	AA	CC	1940498992
SNP_P1_237624_1167	NW_004516832.1	Scaffold1699	1167	AA	TT	1940498994
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SNP_P1_237629_20010	NW_004516832.1	Scaffold1699	20010	AA	CC	1940499005
SNP_P1_237630_432	NW_004516833.1	Scaffold1701	432	GG	TT	1940499007
SNP_P1_237631_453	NW_004516833.1	Scaffold1701	453	TT	CC	1940499009
SNP_P1_237632_7001	NW_004516833.1	Scaffold1701	7001	GG	CC	1940499011
SNP_P1_237633_21467	NW_004516833.1	Scaffold1701	21467	TT	GG	1940499014
SNP_P1_237634_26422	NW_004516833.1	Scaffold1701	26422	TT	AA	1940499016
SNP_P1_237635_26673	NW_004516833.1	Scaffold1701	26673	CC	TT	1940499018
SNP_P1_237636_26720	NW_004516833.1	Scaffold1701	26720	AA	GG	1940499020
SNP_P1_237637_26924	NW_004516833.1	Scaffold1701	26924	CC	TT	1940499022
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SNP_P1_237640_26960	NW_004516833.1	Scaffold1701	26960	CC	GG	1940499029
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SNP_P1_237642_27023	NW_004516833.1	Scaffold1701	27023	CC	AA	1940499033
SNP_P1_237643_27027	NW_004516833.1	Scaffold1701	27027	CC	GG	1940499035
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SNP_P1_237645_27062	NW_004516833.1	Scaffold1701	27062	TT	GG	1940499039
SNP_P1_237646_27064	NW_004516833.1	Scaffold1701	27064	TT	GG	1940499041
SNP_P1_237647_27065	NW_004516833.1	Scaffold1701	27065	TT	CC	1940499044
SNP_P1_237648_37626	NW_004516833.1	Scaffold1701	37626	AA	GG	1940499046

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237651_40176	NW_004516833.1	Scaffold1701	40176	TT	CC	1940499052
SNP_P1_237652_42148	NW_004516833.1	Scaffold1701	42148	AA	TT	1940499054
SNP_P1_237653_54190	NW_004516833.1	Scaffold1701	54190	GG	CC	1940499056
SNP_P1_237654_54202	NW_004516833.1	Scaffold1701	54202	AA	TT	1940499059
SNP_P1_237655_54410	NW_004516833.1	Scaffold1701	54410	TT	CC	1940499061
SNP_P1_237656_55393	NW_004516833.1	Scaffold1701	55393	TT	AA	1940499063
SNP_P1_237657_55543	NW_004516833.1	Scaffold1701	55543	TT	CC	1940499065
SNP_P1_237658_57407	NW_004516833.1	Scaffold1701	57407	GG	AA	1940499067
SNP_P1_237659_57734	NW_004516833.1	Scaffold1701	57734	TT	CC	1940499069
SNP_P1_237660_57739	NW_004516833.1	Scaffold1701	57739	AA	GG	1940499071
SNP_P1_237661_57760	NW_004516833.1	Scaffold1701	57760	GG	AA	1940499074
SNP_P1_237662_57873	NW_004516833.1	Scaffold1701	57873	AA	TT	1940499076
SNP_P1_237663_57902	NW_004516833.1	Scaffold1701	57902	TT	CC	1940499078
SNP_P1_237664_57906	NW_004516833.1	Scaffold1701	57906	TT	AA	1940499080
SNP_P1_237665_57912	NW_004516833.1	Scaffold1701	57912	TT	AA	1940499083
SNP_P1_237666_57945	NW_004516833.1	Scaffold1701	57945	TT	CC	1940499085
SNP_P1_237667_68115	NW_004516833.1	Scaffold1701	68115	AA	GG	1940499087
SNP_P1_237668_71354	NW_004516833.1	Scaffold1701	71354	TT	CC	1940499089
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SNP_P1_237670_74608	NW_004516833.1	Scaffold1701	74608	TT	GG	1940499093
SNP_P1_237671_74617	NW_004516833.1	Scaffold1701	74617	TT	CC	1940499095
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SNP_P1_237673_77610	NW_004516833.1	Scaffold1701	77610	TT	AA	1940499100
SNP_P1_237674_78793	NW_004516833.1	Scaffold1701	78793	AA	GG	1940499102
SNP_P1_237675_86520	NW_004516833.1	Scaffold1701	86520	AA	CC	1940499104
SNP_P1_237676_86537	NW_004516833.1	Scaffold1701	86537	CC	TT	1940499106
SNP_P1_237677_86540	NW_004516833.1	Scaffold1701	86540	GG	CC	1940499108
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SNP_P1_237679_86558	NW_004516833.1	Scaffold1701	86558	GG	TT	1940499112
SNP_P1_237680_86567	NW_004516833.1	Scaffold1701	86567	GG	AA	1940499115
SNP_P1_237681_86592	NW_004516833.1	Scaffold1701	86592	GG	AA	1940499117
SNP_P1_237682_86607	NW_004516833.1	Scaffold1701	86607	CC	TT	1940499119
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SNP_P1_237687_86907	NW_004516833.1	Scaffold1701	86907	CC	TT	1940499130
SNP_P1_237688_86961	NW_004516833.1	Scaffold1701	86961	TT	AA	1940499132
SNP_P1_237689_90603	NW_004516833.1	Scaffold1701	90603	GG	CC	1940499134
SNP_P1_237690_90611	NW_004516833.1	Scaffold1701	90611	TT	GG	1940499136

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237693_93842	NW_004516833.1	Scaffold1701	93842	TT	AA	1940499142
SNP_P1_237694_95564	NW_004516833.1	Scaffold1701	95564	GG	CC	1940499145
SNP_P1_237695_95571	NW_004516833.1	Scaffold1701	95571	AA	TT	1940499147
SNP_P1_237696_101017	NW_004516833.1	Scaffold1701	101017	AA	TT	1940499149
SNP_P1_237698_101230	NW_004516833.1	Scaffold1701	101230	TT	CC	1940499151
SNP_P1_237699_101256	NW_004516833.1	Scaffold1701	101256	GG	AA	1940499153
SNP_P1_237700_106728	NW_004516833.1	Scaffold1701	106728	TT	GG	1940499155
SNP_P1_237701_109185	NW_004516833.1	Scaffold1701	109185	GG	TT	1940499157
SNP_P1_237702_126250	NW_004516833.1	Scaffold1701	126250	TT	GG	1940499160
SNP_P1_237703_126270	NW_004516833.1	Scaffold1701	126270	AA	CC	1940499162
SNP_P1_237704_126569	NW_004516833.1	Scaffold1701	126569	AA	GG	1940499164
SNP_P1_237705_126571	NW_004516833.1	Scaffold1701	126571	AA	CC	1940499166
SNP_P1_237706_126581	NW_004516833.1	Scaffold1701	126581	AA	CC	1940499168
SNP_P1_237707_131157	NW_004516833.1	Scaffold1701	131157	CC	TT	1940499170
SNP_P1_237708_137788	NW_004516833.1	Scaffold1701	137788	CC	TT	1940499172
SNP_P1_237709_141629	NW_004516833.1	Scaffold1701	141629	CC	TT	1940499175
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SNP_P1_237719_151569	NW_004516833.1	Scaffold1701	151569	AA	GG	1940499196
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SNP_P1_237721_151927	NW_004516833.1	Scaffold1701	151927	AA	GG	1940499200
SNP_P1_237722_151941	NW_004516833.1	Scaffold1701	151941	GG	AA	1940499202
SNP_P1_237723_151955	NW_004516833.1	Scaffold1701	151955	AA	GG	1940499205
SNP_P1_237724_151979	NW_004516833.1	Scaffold1701	151979	CC	TT	1940499207
SNP_P1_237725_151982	NW_004516833.1	Scaffold1701	151982	AA	GG	1940499208
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SNP_P1_237727_154091	NW_004516833.1	Scaffold1701	154091	CC	AA	1940499212
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SNP_P1_237729_154121	NW_004516833.1	Scaffold1701	154121	CC	TT	1940499217
SNP_P1_237730_48309	NW_004516835.1	Scaffold1703	48309	CC	TT	1940499219
SNP_P1_237731_48543	NW_004516835.1	Scaffold1703	48543	TT	CC	1940499221
SNP_P1_237732_48626	NW_004516835.1	Scaffold1703	48626	CC	AA	1940499223
SNP_P1_237735_75755	NW_004516835.1	Scaffold1703	75755	TT	CC	1940499225

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237737_86499	NW_004516835.1	Scaffold1703	86499	CC	AA	1940499229
SNP_P1_237738_88135	NW_004516835.1	Scaffold1703	88135	GG	AA	1940499232
SNP_P1_237739_91059	NW_004516835.1	Scaffold1703	91059	CC	TT	1940499234
SNP_P1_237740_130642	NW_004516835.1	Scaffold1703	130642	GG	AA	1940499236
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SNP_P1_237742_130696	NW_004516835.1	Scaffold1703	130696	CC	TT	1940499240
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SNP_P1_237744_130744	NW_004516835.1	Scaffold1703	130744	CC	TT	1940499244
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SNP_P1_237746_130935	NW_004516835.1	Scaffold1703	130935	CC	AA	1940499249
SNP_P1_237747_130943	NW_004516835.1	Scaffold1703	130943	GG	AA	1940499251
SNP_P1_237749_133990	NW_004516835.1	Scaffold1703	133990	TT	CC	1940499253
SNP_P1_237750_135008	NW_004516835.1	Scaffold1703	135008	AA	GG	1940499255
SNP_P1_237751_135049	NW_004516835.1	Scaffold1703	135049	CC	TT	1940499257
SNP_P1_237752_135606	NW_004516835.1	Scaffold1703	135606	AA	CC	1940499259
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SNP_P1_237758_165121	NW_004516835.1	Scaffold1703	165121	AA	GG	1940499272
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SNP_P1_237760_165327	NW_004516835.1	Scaffold1703	165327	TT	GG	1940499276
SNP_P1_237761_166015	NW_004516835.1	Scaffold1703	166015	GG	AA	1940499278
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SNP_P1_237766_199870	NW_004516835.1	Scaffold1703	199870	AA	GG	1940499289
SNP_P1_237767_200062	NW_004516835.1	Scaffold1703	200062	CC	TT	1940499291
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SNP_P1_237770_201018	NW_004516835.1	Scaffold1703	201018	CC	TT	1940499297
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SNP_P1_237772_203819	NW_004516835.1	Scaffold1703	203819	TT	GG	1940499302
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SNP_P1_237776_221820	NW_004516835.1	Scaffold1703	221820	AA	GG	1940499310
SNP_P1_237777_222965	NW_004516835.1	Scaffold1703	222965	AA	GG	1940499312
SNP_P1_237778_223002	NW_004516835.1	Scaffold1703	223002	GG	AA	1940499314

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SNP_P1_237783_232499	NW_004516835.1	Scaffold1703	232499	TT	AA	1940499325
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SNP_P1_237786_254309	NW_004516835.1	Scaffold1703	254309	TT	CC	1940499329
SNP_P1_237787_256000	NW_004516835.1	Scaffold1703	256000	GG	AA	1940499332
SNP_P1_237788_262400	NW_004516835.1	Scaffold1703	262400	AA	TT	1940499334
SNP_P1_237789_267458	NW_004516835.1	Scaffold1703	267458	TT	GG	1940499336
SNP_P1_237790_277824	NW_004516835.1	Scaffold1703	277824	CC	TT	1940499338
SNP_P1_237791_297240	NW_004516835.1	Scaffold1703	297240	AA	TT	1940499340
SNP_P1_237792_326354	NW_004516835.1	Scaffold1703	326354	GG	TT	1940499342
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SNP_P1_237794_8790	NW_004516836.1	Scaffold1704	8790	AA	GG	1940499347
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SNP_P1_237801_9301	NW_004516836.1	Scaffold1704	9301	AA	CC	1940499359
SNP_P1_237802_10823	NW_004516836.1	Scaffold1704	10823	CC	TT	1940499362
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SNP_P1_237804_11047	NW_004516836.1	Scaffold1704	11047	AA	CC	1940499366
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SNP_P1_237806_11427	NW_004516836.1	Scaffold1704	11427	GG	CC	1940499370
SNP_P1_237808_11854	NW_004516836.1	Scaffold1704	11854	TT	CC	1940499372
SNP_P1_237809_11921	NW_004516836.1	Scaffold1704	11921	TT	AA	1940499374
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SNP_P1_237813_26009	NW_004516836.1	Scaffold1704	26009	CC	GG	1940499379
SNP_P1_237814_26128	NW_004516836.1	Scaffold1704	26128	TT	CC	1940499381
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SNP_P1_237823_51418	NW_004516836.1	Scaffold1704	51418	CC	TT	1940499400
SNP_P1_237824_51699	NW_004516836.1	Scaffold1704	51699	AA	CC	1940499402
SNP_P1_237825_61964	NW_004516836.1	Scaffold1704	61964	AA	TT	1940499404

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237828_92482	NW_004516836.1	Scaffold1704	92482	GG	AA	1940499409
SNP_P1_237829_476	NW_004516837.1	Scaffold1706	476	GG	AA	1940499411
SNP_P1_237830_482	NW_004516837.1	Scaffold1706	482	CC	TT	1940499413
SNP_P1_237831_501	NW_004516837.1	Scaffold1706	501	TT	CC	1940499415
SNP_P1_237832_540	NW_004516837.1	Scaffold1706	540	CC	TT	1940499417
SNP_P1_237833_1128	NW_004516837.1	Scaffold1706	1128	CC	TT	1940499419
SNP_P1_237834_1542	NW_004516837.1	Scaffold1706	1542	AA	CC	1940499422
SNP_P1_237835_15327	NW_004516837.1	Scaffold1706	15327	GG	AA	1940499424
SNP_P1_237837_22318	NW_004516837.1	Scaffold1706	22318	AA	TT	1940499426
SNP_P1_237838_22579	NW_004516837.1	Scaffold1706	22579	AA	GG	1940499428
SNP_P1_237839_29490	NW_004516837.1	Scaffold1706	29490	AA	GG	1940499430
SNP_P1_237840_54983	NW_004516837.1	Scaffold1706	54983	GG	AA	1940499432
SNP_P1_237841_61837	NW_004516837.1	Scaffold1706	61837	CC	AA	1940499434
SNP_P1_237842_63248	NW_004516837.1	Scaffold1706	63248	GG	AA	1940499437
SNP_P1_237843_76421	NW_004516837.1	Scaffold1706	76421	TT	CC	1940499439
SNP_P1_237844_76903	NW_004516837.1	Scaffold1706	76903	TT	CC	1940499441
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SNP_P1_237846_76987	NW_004516837.1	Scaffold1706	76987	AA	GG	1940499445
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SNP_P1_237861_83591	NW_004516837.1	Scaffold1706	83591	TT	AA	1940499475
SNP_P1_237862_83602	NW_004516837.1	Scaffold1706	83602	AA	GG	1940499477
SNP_P1_237863_83651	NW_004516837.1	Scaffold1706	83651	AA	GG	1940499479
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SNP_P1_237866_84027	NW_004516837.1	Scaffold1706	84027	GG	AA	1940499486
SNP_P1_237867_84222	NW_004516837.1	Scaffold1706	84222	GG	CC	1940499488
SNP_P1_237868_84243	NW_004516837.1	Scaffold1706	84243	GG	AA	1940499490
SNP_P1_237869_84355	NW_004516837.1	Scaffold1706	84355	CC	TT	1940499492
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237873_85334	NW_004516837.1	Scaffold1706	85334	TT	GG	1940499501
SNP_P1_237874_85399	NW_004516837.1	Scaffold1706	85399	GG	AA	1940499503
SNP_P1_237875_85413	NW_004516837.1	Scaffold1706	85413	TT	CC	1940499505
SNP_P1_237876_86546	NW_004516837.1	Scaffold1706	86546	TT	GG	1940499507
SNP_P1_237877_89279	NW_004516837.1	Scaffold1706	89279	GG	AA	1940499509
SNP_P1_237878_90760	NW_004516837.1	Scaffold1706	90760	AA	CC	1940499511
SNP_P1_237879_93509	NW_004516837.1	Scaffold1706	93509	TT	CC	1940499514
SNP_P1_237880_93788	NW_004516837.1	Scaffold1706	93788	CC	TT	1940499516
SNP_P1_237881_95353	NW_004516837.1	Scaffold1706	95353	GG	CC	1940499518
SNP_P1_237882_96350	NW_004516837.1	Scaffold1706	96350	AA	GG	1940499520
SNP_P1_237883_99093	NW_004516837.1	Scaffold1706	99093	AA	GG	1940499522
SNP_P1_237884_99305	NW_004516837.1	Scaffold1706	99305	AA	GG	1940499524
SNP_P1_237885_99916	NW_004516837.1	Scaffold1706	99916	TT	CC	1940499526
SNP_P1_237886_99946	NW_004516837.1	Scaffold1706	99946	AA	GG	1940499529
SNP_P1_237887_100260	NW_004516837.1	Scaffold1706	100260	AA	GG	1940499531
SNP_P1_237888_101504	NW_004516837.1	Scaffold1706	101504	TT	GG	1940499533
SNP_P1_237890_109022	NW_004516837.1	Scaffold1706	109022	AA	CC	1940499535
SNP_P1_237891_109366	NW_004516837.1	Scaffold1706	109366	GG	CC	1940499537
SNP_P1_237893_116334	NW_004516837.1	Scaffold1706	116334	GG	TT	1940499539
SNP_P1_237894_116350	NW_004516837.1	Scaffold1706	116350	CC	GG	1940499542
SNP_P1_237895_117517	NW_004516837.1	Scaffold1706	117517	GG	CC	1940499544
SNP_P1_237896_491	NW_004516839.1	Scaffold1708	491	CC	TT	1940499546
SNP_P1_237897_946	NW_004516839.1	Scaffold1708	946	TT	CC	1940499548
SNP_P1_237898_2345	NW_004516839.1	Scaffold1708	2345	CC	TT	1940499550
SNP_P1_237899_2346	NW_004516839.1	Scaffold1708	2346	CC	TT	1940499552
SNP_P1_237900_5722	NW_004516839.1	Scaffold1708	5722	AA	GG	1940499554
SNP_P1_237901_7683	NW_004516839.1	Scaffold1708	7683	AA	GG	1940499557
SNP_P1_237902_7769	NW_004516839.1	Scaffold1708	7769	TT	AA	1940499559
SNP_P1_237904_7852	NW_004516839.1	Scaffold1708	7852	TT	AA	1940499561
SNP_P1_237905_7884	NW_004516839.1	Scaffold1708	7884	TT	AA	1940499563
SNP_P1_237907_8044	NW_004516839.1	Scaffold1708	8044	AA	TT	1940499565
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SNP_P1_237912_10463	NW_004516839.1	Scaffold1708	10463	TT	CC	1940499576
SNP_P1_237913_10806	NW_004516839.1	Scaffold1708	10806	GG	TT	1940499578
SNP_P1_237915_11785	NW_004516839.1	Scaffold1708	11785	TT	AA	1940499580
SNP_P1_237917_12271	NW_004516839.1	Scaffold1708	12271	CC	TT	1940499582
SNP_P1_237918_14170	NW_004516839.1	Scaffold1708	14170	CC	GG	1940499584

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237921_20990	NW_004516839.1	Scaffold1708	20990	GG	AA	1940499589
SNP_P1_237922_21167	NW_004516839.1	Scaffold1708	21167	TT	CC	1940499591
SNP_P1_237923_21886	NW_004516839.1	Scaffold1708	21886	CC	AA	1940499593
SNP_P1_237925_24239	NW_004516839.1	Scaffold1708	24239	AA	TT	1940499595
SNP_P1_237926_24314	NW_004516839.1	Scaffold1708	24314	GG	AA	1940499597
SNP_P1_237928_26625	NW_004516839.1	Scaffold1708	26625	TT	CC	1940499599
SNP_P1_237929_26636	NW_004516839.1	Scaffold1708	26636	TT	CC	1940499601
SNP_P1_237930_26961	NW_004516839.1	Scaffold1708	26961	TT	CC	1940499604
SNP_P1_237932_29646	NW_004516839.1	Scaffold1708	29646	GG	TT	1940499606
SNP_P1_237933_29825	NW_004516839.1	Scaffold1708	29825	AA	TT	1940499608
SNP_P1_237934_29880	NW_004516839.1	Scaffold1708	29880	GG	CC	1940499610
SNP_P1_237935_29914	NW_004516839.1	Scaffold1708	29914	CC	TT	1940499612
SNP_P1_237936_29961	NW_004516839.1	Scaffold1708	29961	CC	TT	1940499614
SNP_P1_237939_31352	NW_004516839.1	Scaffold1708	31352	AA	GG	1940499616
SNP_P1_237940_31379	NW_004516839.1	Scaffold1708	31379	TT	CC	1940499619
SNP_P1_237941_31574	NW_004516839.1	Scaffold1708	31574	TT	GG	1940499621
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SNP_P1_237955_38170	NW_004516839.1	Scaffold1708	38170	GG	AA	1940499646
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SNP_P1_237962_42915	NW_004516839.1	Scaffold1708	42915	AA	TT	1940499659
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SNP_P1_237967_46683	NW_004516839.1	Scaffold1708	46683	CC	AA	1940499666
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SNP_P1_237971_47748	NW_004516839.1	Scaffold1708	47748	GG	TT	1940499670
SNP_P1_237972_49156	NW_004516839.1	Scaffold1708	49156	CC	TT	1940499672
SNP_P1_237974_49925	NW_004516839.1	Scaffold1708	49925	CC	AA	1940499674

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_237977_58031	NW_004516839.1	Scaffold1708	58031	GG	TT	1940499681
SNP_P1_237978_58809	NW_004516839.1	Scaffold1708	58809	CC	AA	1940499683
SNP_P1_237979_58966	NW_004516839.1	Scaffold1708	58966	AA	GG	1940499685
SNP_P1_237980_59229	NW_004516839.1	Scaffold1708	59229	AA	CC	1940499687
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SNP_P1_237989_87228	NW_004516839.1	Scaffold1708	87228	GG	CC	1940499700
SNP_P1_237990_87286	NW_004516839.1	Scaffold1708	87286	CC	TT	1940499702
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SNP_P1_238007_186	NW_004516840.1	Scaffold1709	186	AA	TT	1940499730
SNP_P1_238008_188	NW_004516840.1	Scaffold1709	188	CC	GG	1940499732
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SNP_P1_238010_197	NW_004516840.1	Scaffold1709	197	CC	GG	1940499736
SNP_P1_238011_202	NW_004516840.1	Scaffold1709	202	GG	AA	1940499738
SNP_P1_238012_203	NW_004516840.1	Scaffold1709	203	GG	TT	1940499740
SNP_P1_238013_264	NW_004516840.1	Scaffold1709	264	AA	GG	1940499742
SNP_P1_238014_403	NW_004516840.1	Scaffold1709	403	AA	GG	1940499744
SNP_P1_238015_422	NW_004516840.1	Scaffold1709	422	CC	AA	1940499746
SNP_P1_238017_2526	NW_004516840.1	Scaffold1709	2526	AA	TT	1940499749
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SNP_P1_238020_8585	NW_004516841.1	Scaffold1710	8585	AA	CC	1940499755
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SNP_P1_238022_8600	NW_004516841.1	Scaffold1710	8600	AA	TT	1940499759
SNP_P1_238023_8686	NW_004516841.1	Scaffold1710	8686	TT	CC	1940499761
SNP_P1_238024_8698	NW_004516841.1	Scaffold1710	8698	GG	CC	1940499763

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238027_35836	NW_004516841.1	Scaffold1710	35836	CC	TT	1940499768
SNP_P1_238028_40943	NW_004516841.1	Scaffold1710	40943	CC	TT	1940499770
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SNP_P1_238031_63685	NW_004516841.1	Scaffold1710	63685	AA	GG	1940499774
SNP_P1_238032_82897	NW_004516841.1	Scaffold1710	82897	TT	AA	1940499776
SNP_P1_238033_87707	NW_004516841.1	Scaffold1710	87707	AA	TT	1940499778
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SNP_P1_238035_93324	NW_004516841.1	Scaffold1710	93324	CC	TT	1940499783
SNP_P1_238036_93757	NW_004516841.1	Scaffold1710	93757	AA	GG	1940499785
SNP_P1_238038_117804	NW_004516841.1	Scaffold1710	117804	CC	AA	1940499787
SNP_P1_238039_128609	NW_004516841.1	Scaffold1710	128609	AA	GG	1940499789
SNP_P1_238040_132827	NW_004516841.1	Scaffold1710	132827	TT	CC	1940499791
SNP_P1_238042_133080	NW_004516841.1	Scaffold1710	133080	CC	TT	1940499793
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SNP_P1_238048_154277	NW_004516841.1	Scaffold1710	154277	AA	GG	1940499804
SNP_P1_238050_888	NW_004516842.1	Scaffold1711	888	AA	CC	1940499806
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SNP_P1_238055_9180	NW_004516842.1	Scaffold1711	9180	GG	TT	1940499817
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SNP_P1_238071_68016	NW_004516846.1	Scaffold1718	68016	AA	GG	1940499845
SNP_P1_238072_68065	NW_004516846.1	Scaffold1718	68065	TT	GG	1940499847
SNP_P1_238073_68094	NW_004516846.1	Scaffold1718	68094	GG	TT	1940499849
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SNP_P1_238075_68160	NW_004516846.1	Scaffold1718	68160	GG	AA	1940499853

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238078_69192	NW_004516846.1	Scaffold1718	69192	GG	AA	1940499860
SNP_P1_238079_69580	NW_004516846.1	Scaffold1718	69580	AA	GG	1940499862
SNP_P1_238080_71692	NW_004516846.1	Scaffold1718	71692	AA	CC	1940499864
SNP_P1_238081_83087	NW_004516846.1	Scaffold1718	83087	CC	TT	1940499866
SNP_P1_238082_13655	NW_004516849.1	Scaffold1722	13655	CC	AA	1940499868
SNP_P1_238083_19884	NW_004516849.1	Scaffold1722	19884	GG	AA	1940499870
SNP_P1_238084_20216	NW_004516849.1	Scaffold1722	20216	GG	AA	1940499873
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SNP_P1_238087_38074	NW_004516849.1	Scaffold1722	38074	TT	CC	1940499877
SNP_P1_238088_38095	NW_004516849.1	Scaffold1722	38095	GG	TT	1940499879
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SNP_P1_238093_56373	NW_004516849.1	Scaffold1722	56373	TT	AA	1940499890
SNP_P1_238094_57658	NW_004516849.1	Scaffold1722	57658	TT	AA	1940499892
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SNP_P1_238101_66341	NW_004516849.1	Scaffold1722	66341	AA	GG	1940499900
SNP_P1_238102_70687	NW_004516849.1	Scaffold1722	70687	AA	GG	1940499903
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SNP_P1_238104_100130	NW_004516849.1	Scaffold1722	100130	CC	TT	1940499907
SNP_P1_238105_112263	NW_004516849.1	Scaffold1722	112263	CC	TT	1940499909
SNP_P1_238106_112407	NW_004516849.1	Scaffold1722	112407	CC	TT	1940499911
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SNP_P1_238108_116938	NW_004516849.1	Scaffold1722	116938	GG	AA	1940499915
SNP_P1_238110_152126	NW_004516849.1	Scaffold1722	152126	CC	TT	1940499918
SNP_P1_238111_153676	NW_004516849.1	Scaffold1722	153676	TT	GG	1940499920
SNP_P1_238112_156214	NW_004516849.1	Scaffold1722	156214	AA	GG	1940499922
SNP_P1_238113_168191	NW_004516849.1	Scaffold1722	168191	GG	TT	1940499924
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SNP_P1_238118_184376	NW_004516849.1	Scaffold1722	184376	AA	TT	1940499935
SNP_P1_238119_184388	NW_004516849.1	Scaffold1722	184388	CC	AA	1940499937
SNP_P1_238120_184390	NW_004516849.1	Scaffold1722	184390	AA	GG	1940499939
SNP_P1_238121_184587	NW_004516849.1	Scaffold1722	184587	AA	GG	1940499941
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238124_184665	NW_004516849.1	Scaffold1722	184665	GG	AA	1940499948
SNP_P1_238125_187128	NW_004516849.1	Scaffold1722	187128	AA	GG	1940499950
SNP_P1_238126_187131	NW_004516849.1	Scaffold1722	187131	TT	GG	1940499952
SNP_P1_238127_324	NW_004516850.1	Scaffold1723	324	CC	TT	1940499954
SNP_P1_238128_657	NW_004516850.1	Scaffold1723	657	CC	TT	1940499956
SNP_P1_238129_796	NW_004516850.1	Scaffold1723	796	GG	CC	1940499958
SNP_P1_238131_817	NW_004516850.1	Scaffold1723	817	TT	CC	1940499960
SNP_P1_238132_869	NW_004516850.1	Scaffold1723	869	CC	TT	1940499963
SNP_P1_238134_1133	NW_004516850.1	Scaffold1723	1133	AA	GG	1940499965
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SNP_P1_238136_1176	NW_004516850.1	Scaffold1723	1176	TT	CC	1940499969
SNP_P1_238137_1188	NW_004516850.1	Scaffold1723	1188	AA	CC	1940499971
SNP_P1_238138_1271	NW_004516850.1	Scaffold1723	1271	GG	TT	1940499973
SNP_P1_238140_1314	NW_004516850.1	Scaffold1723	1314	GG	AA	1940499975
SNP_P1_238141_1351	NW_004516850.1	Scaffold1723	1351	TT	AA	1940499978
SNP_P1_238142_1391	NW_004516850.1	Scaffold1723	1391	AA	TT	1940499980
SNP_P1_238143_1418	NW_004516850.1	Scaffold1723	1418	TT	CC	1940499982
SNP_P1_238144_1424	NW_004516850.1	Scaffold1723	1424	CC	TT	1940499984
SNP_P1_238145_1487	NW_004516850.1	Scaffold1723	1487	AA	TT	1940499986
SNP_P1_238146_1488	NW_004516850.1	Scaffold1723	1488	CC	AA	1940499988
SNP_P1_238147_179	NW_004516851.1	Scaffold1725	179	CC	GG	1940499990
SNP_P1_238148_22028	NW_004516851.1	Scaffold1725	22028	AA	GG	1940499992
SNP_P1_238149_22112	NW_004516851.1	Scaffold1725	22112	TT	CC	1940499995
SNP_P1_238150_22140	NW_004516851.1	Scaffold1725	22140	TT	GG	1940499997
SNP_P1_238151_25174	NW_004516851.1	Scaffold1725	25174	TT	AA	1940499999
SNP_P1_238152_28621	NW_004516851.1	Scaffold1725	28621	TT	AA	1940500001
SNP_P1_238153_28648	NW_004516851.1	Scaffold1725	28648	AA	CC	1940500003
SNP_P1_238154_28662	NW_004516851.1	Scaffold1725	28662	AA	TT	1940500005
SNP_P1_238157_33511	NW_004516851.1	Scaffold1725	33511	AA	GG	1940500007
SNP_P1_238158_33594	NW_004516851.1	Scaffold1725	33594	GG	AA	1940500010
SNP_P1_238159_33600	NW_004516851.1	Scaffold1725	33600	GG	AA	1940500012
SNP_P1_238160_33622	NW_004516851.1	Scaffold1725	33622	AA	GG	1940500014
SNP_P1_238161_33665	NW_004516851.1	Scaffold1725	33665	AA	GG	1940500016
SNP_P1_238162_33885	NW_004516851.1	Scaffold1725	33885	TT	GG	1940500018
SNP_P1_238163_33973	NW_004516851.1	Scaffold1725	33973	TT	CC	1940500020
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SNP_P1_238168_40002	NW_004516851.1	Scaffold1725	40002	AA	GG	1940500031
SNP_P1_238169_40012	NW_004516851.1	Scaffold1725	40012	TT	CC	1940500033

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238173_40347	NW_004516851.1	Scaffold1725	40347	CC	AA	1940500042
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SNP_P1_238176_40432	NW_004516851.1	Scaffold1725	40432	AA	GG	1940500048
SNP_P1_238177_40443	NW_004516851.1	Scaffold1725	40443	AA	CC	1940500050
SNP_P1_238178_40491	NW_004516851.1	Scaffold1725	40491	TT	CC	1940500052
SNP_P1_238179_40502	NW_004516851.1	Scaffold1725	40502	AA	GG	1940500055
SNP_P1_238180_3226	NW_004516852.1	Scaffold1726	3226	TT	CC	1940500057
SNP_P1_238181_3580	NW_004516852.1	Scaffold1726	3580	AA	TT	1940500059
SNP_P1_238182_15699	NW_004516852.1	Scaffold1726	15699	AA	GG	1940500061
SNP_P1_238183_15785	NW_004516852.1	Scaffold1726	15785	GG	AA	1940500063
SNP_P1_238184_16009	NW_004516852.1	Scaffold1726	16009	TT	GG	1940500065
SNP_P1_238185_16011	NW_004516852.1	Scaffold1726	16011	AA	GG	1940500067
SNP_P1_238186_16045	NW_004516852.1	Scaffold1726	16045	CC	TT	1940500070
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SNP_P1_238210_4491	NW_004516855.1	Scaffold1729	4491	TT	CC	1940500121
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238215_27277	NW_004516855.1	Scaffold1729	27277	AA	GG	1940500132
SNP_P1_238216_27592	NW_004516855.1	Scaffold1729	27592	TT	AA	1940500134
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SNP_P1_238218_34442	NW_004516855.1	Scaffold1729	34442	TT	CC	1940500138
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SNP_P1_238223_53967	NW_004516855.1	Scaffold1729	53967	TT	GG	1940500149
SNP_P1_238224_61497	NW_004516855.1	Scaffold1729	61497	TT	CC	1940500151
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SNP_P1_238233_122199	NW_004516855.1	Scaffold1729	122199	AA	GG	1940500168
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SNP_P1_238254_25504	NW_004516856.1	Scaffold1730	25504	AA	CC	1940500213

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_238255_25787	NW_004516856.1	Scaffold1730	25787	GG	AA	1940500215
SNP_P1_238256_26298	NW_004516856.1	Scaffold1730	26298	GG	AA	1940500217
SNP_P1_238257_26326	NW_004516856.1	Scaffold1730	26326	TT	CC	1940500219
SNP_P1_238258_28373	NW_004516856.1	Scaffold1730	28373	AA	GG	1940500221
SNP_P1_238259_28567	NW_004516856.1	Scaffold1730	28567	TT	CC	1940500223
SNP_P1_238260_28590	NW_004516856.1	Scaffold1730	28590	AA	TT	1940500226
SNP_P1_238261_28648	NW_004516856.1	Scaffold1730	28648	TT	CC	1940500228
SNP_P1_238262_28711	NW_004516856.1	Scaffold1730	28711	CC	GG	1940500230
SNP_P1_238263_28768	NW_004516856.1	Scaffold1730	28768	GG	AA	1940500232
SNP_P1_238264_28806	NW_004516856.1	Scaffold1730	28806	TT	GG	1940500234
SNP_P1_238265_28828	NW_004516856.1	Scaffold1730	28828	TT	AA	1940500236
SNP_P1_238266_28890	NW_004516856.1	Scaffold1730	28890	GG	TT	1940500238
SNP_P1_238267_29533	NW_004516856.1	Scaffold1730	29533	GG	AA	1940500241
SNP_P1_238268_29537	NW_004516856.1	Scaffold1730	29537	TT	CC	1940500243
SNP_P1_238269_29591	NW_004516856.1	Scaffold1730	29591	TT	CC	1940500245
SNP_P1_238270_32114	NW_004516856.1	Scaffold1730	32114	AA	GG	1940500247
SNP_P1_238271_32368	NW_004516856.1	Scaffold1730	32368	AA	TT	1940500249
SNP_P1_238272_32526	NW_004516856.1	Scaffold1730	32526	GG	CC	1940500251
SNP_P1_238274_33213	NW_004516856.1	Scaffold1730	33213	AA	GG	1940500253
SNP_P1_238275_33367	NW_004516856.1	Scaffold1730	33367	AA	TT	1940500256
SNP_P1_238276_33533	NW_004516856.1	Scaffold1730	33533	TT	CC	1940500258
SNP_P1_238277_33548	NW_004516856.1	Scaffold1730	33548	TT	CC	1940500260
SNP_P1_238278_33709	NW_004516856.1	Scaffold1730	33709	AA	GG	1940500262
SNP_P1_238279_33979	NW_004516856.1	Scaffold1730	33979	CC	TT	1940500264
SNP_P1_238280_34148	NW_004516856.1	Scaffold1730	34148	GG	TT	1940500266
SNP_P1_238281_34182	NW_004516856.1	Scaffold1730	34182	TT	GG	1940500268
SNP_P1_238282_34787	NW_004516856.1	Scaffold1730	34787	TT	CC	1940500271
SNP_P1_238283_34794	NW_004516856.1	Scaffold1730	34794	GG	AA	1940500273
SNP_P1_238284_43109	NW_004516856.1	Scaffold1730	43109	GG	CC	1940500275
SNP_P1_238285_43228	NW_004516856.1	Scaffold1730	43228	CC	GG	1940500277
SNP_P1_238286_43356	NW_004516856.1	Scaffold1730	43356	TT	GG	1940500279
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SNP_P1_238289_43928	NW_004516856.1	Scaffold1730	43928	AA	GG	1940500283
SNP_P1_238290_45558	NW_004516856.1	Scaffold1730	45558	AA	GG	1940500286
SNP_P1_238291_46200	NW_004516856.1	Scaffold1730	46200	CC	GG	1940500288
SNP_P1_238292_46731	NW_004516856.1	Scaffold1730	46731	AA	CC	1940500290
SNP_P1_238293_47030	NW_004516856.1	Scaffold1730	47030	TT	CC	1940500292
SNP_P1_238294_49583	NW_004516856.1	Scaffold1730	49583	GG	TT	1940500294
SNP_P1_238295_52537	NW_004516856.1	Scaffold1730	52537	TT	GG	1940500296
SNP_P1_238297_52667	NW_004516856.1	Scaffold1730	52667	TT	AA	1940500298
SNP_P1_238298_52786	NW_004516856.1	Scaffold1730	52786	TT	AA	1940500301
SNP_P1_238299_52990	NW_004516856.1	Scaffold1730	52990	AA	CC	1940500303

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238301_54242	NW_004516856.1	Scaffold1730	54242	TT	CC	1940500307
SNP_P1_238302_58757	NW_004516856.1	Scaffold1730	58757	TT	AA	1940500309
SNP_P1_238303_58819	NW_004516856.1	Scaffold1730	58819	CC	TT	1940500311
SNP_P1_238304_58896	NW_004516856.1	Scaffold1730	58896	GG	TT	1940500313
SNP_P1_238305_58914	NW_004516856.1	Scaffold1730	58914	TT	CC	1940500316
SNP_P1_238306_59389	NW_004516856.1	Scaffold1730	59389	TT	GG	1940500318
SNP_P1_238307_63988	NW_004516856.1	Scaffold1730	63988	CC	GG	1940500320
SNP_P1_238308_64014	NW_004516856.1	Scaffold1730	64014	CC	GG	1940500322
SNP_P1_238310_64610	NW_004516856.1	Scaffold1730	64610	AA	TT	1940500324
SNP_P1_238311_65644	NW_004516856.1	Scaffold1730	65644	AA	CC	1940500326
SNP_P1_238312_67044	NW_004516856.1	Scaffold1730	67044	CC	AA	1940500328
SNP_P1_238313_67218	NW_004516856.1	Scaffold1730	67218	GG	AA	1940500330
SNP_P1_238314_67292	NW_004516856.1	Scaffold1730	67292	TT	CC	1940500333
SNP_P1_238316_67910	NW_004516856.1	Scaffold1730	67910	AA	GG	1940500335
SNP_P1_238317_68122	NW_004516856.1	Scaffold1730	68122	GG	TT	1940500337
SNP_P1_238318_68296	NW_004516856.1	Scaffold1730	68296	CC	TT	1940500339
SNP_P1_238319_68300	NW_004516856.1	Scaffold1730	68300	GG	TT	1940500341
SNP_P1_238320_68611	NW_004516856.1	Scaffold1730	68611	CC	AA	1940500343
SNP_P1_238321_68670	NW_004516856.1	Scaffold1730	68670	CC	TT	1940500344
SNP_P1_238322_68688	NW_004516856.1	Scaffold1730	68688	AA	GG	1940500346
SNP_P1_238323_68718	NW_004516856.1	Scaffold1730	68718	AA	GG	1940500349
SNP_P1_238324_68919	NW_004516856.1	Scaffold1730	68919	AA	GG	1940500350
SNP_P1_238325_69315	NW_004516856.1	Scaffold1730	69315	AA	GG	1940500352
SNP_P1_238326_72182	NW_004516856.1	Scaffold1730	72182	GG	CC	1940500354
SNP_P1_238327_73723	NW_004516856.1	Scaffold1730	73723	GG	CC	1940500356
SNP_P1_238328_73944	NW_004516856.1	Scaffold1730	73944	AA	CC	1940500358
SNP_P1_238329_74525	NW_004516856.1	Scaffold1730	74525	GG	TT	1940500360
SNP_P1_238330_74564	NW_004516856.1	Scaffold1730	74564	GG	AA	1940500362
SNP_P1_238331_76006	NW_004516856.1	Scaffold1730	76006	GG	AA	1940500364
SNP_P1_238333_76327	NW_004516856.1	Scaffold1730	76327	TT	GG	1940500366
SNP_P1_238334_76710	NW_004516856.1	Scaffold1730	76710	CC	GG	1940500368
SNP_P1_238335_76894	NW_004516856.1	Scaffold1730	76894	AA	TT	1940500371
SNP_P1_238336_79453	NW_004516856.1	Scaffold1730	79453	TT	CC	1940500373
SNP_P1_238337_79786	NW_004516856.1	Scaffold1730	79786	AA	CC	1940500375
SNP_P1_238338_80447	NW_004516856.1	Scaffold1730	80447	AA	TT	1940500377
SNP_P1_238339_81884	NW_004516856.1	Scaffold1730	81884	TT	GG	1940500379
SNP_P1_238340_81920	NW_004516856.1	Scaffold1730	81920	AA	CC	1940500381
SNP_P1_238341_81934	NW_004516856.1	Scaffold1730	81934	AA	CC	1940500383
SNP_P1_238342_82221	NW_004516856.1	Scaffold1730	82221	CC	AA	1940500385
SNP_P1_238343_83015	NW_004516856.1	Scaffold1730	83015	AA	GG	1940500388
SNP_P1_238345_84006	NW_004516856.1	Scaffold1730	84006	CC	TT	1940500390

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238347_86103	NW_004516856.1	Scaffold1730	86103	GG	AA	1940500394
SNP_P1_238350_88578	NW_004516856.1	Scaffold1730	88578	TT	CC	1940500396
SNP_P1_238351_90474	NW_004516856.1	Scaffold1730	90474	AA	TT	1940500398
SNP_P1_238353_91281	NW_004516856.1	Scaffold1730	91281	AA	GG	1940500400
SNP_P1_238354_92008	NW_004516856.1	Scaffold1730	92008	TT	CC	1940500403
SNP_P1_238355_95065	NW_004516856.1	Scaffold1730	95065	TT	CC	1940500405
SNP_P1_238356_95107	NW_004516856.1	Scaffold1730	95107	TT	CC	1940500407
SNP_P1_238357_95545	NW_004516856.1	Scaffold1730	95545	TT	GG	1940500409
SNP_P1_238362_102499	NW_004516856.1	Scaffold1730	102499	TT	GG	1940500411
SNP_P1_238363_102907	NW_004516856.1	Scaffold1730	102907	GG	AA	1940500413
SNP_P1_238364_102990	NW_004516856.1	Scaffold1730	102990	GG	AA	1940500415
SNP_P1_238366_104980	NW_004516856.1	Scaffold1730	104980	CC	TT	1940500417
SNP_P1_238367_104982	NW_004516856.1	Scaffold1730	104982	AA	GG	1940500419
SNP_P1_238368_105087	NW_004516856.1	Scaffold1730	105087	GG	TT	1940500421
SNP_P1_238369_105343	NW_004516856.1	Scaffold1730	105343	CC	TT	1940500422
SNP_P1_238370_105382	NW_004516856.1	Scaffold1730	105382	GG	AA	1940500424
SNP_P1_238371_105664	NW_004516856.1	Scaffold1730	105664	TT	CC	1940500425
SNP_P1_238372_105668	NW_004516856.1	Scaffold1730	105668	AA	CC	1940500427
SNP_P1_238373_105685	NW_004516856.1	Scaffold1730	105685	AA	CC	1940500428
SNP_P1_238374_105698	NW_004516856.1	Scaffold1730	105698	CC	TT	1940500431
SNP_P1_238375_105764	NW_004516856.1	Scaffold1730	105764	AA	GG	1940500433
SNP_P1_238376_105825	NW_004516856.1	Scaffold1730	105825	AA	CC	1940500435
SNP_P1_238377_105910	NW_004516856.1	Scaffold1730	105910	TT	GG	1940500437
SNP_P1_238378_105931	NW_004516856.1	Scaffold1730	105931	AA	GG	1940500439
SNP_P1_238379_105939	NW_004516856.1	Scaffold1730	105939	GG	AA	1940500441
SNP_P1_238380_105945	NW_004516856.1	Scaffold1730	105945	CC	AA	1940500443
SNP_P1_238381_105950	NW_004516856.1	Scaffold1730	105950	GG	AA	1940500446
SNP_P1_238382_106010	NW_004516856.1	Scaffold1730	106010	CC	TT	1940500448
SNP_P1_238383_106064	NW_004516856.1	Scaffold1730	106064	GG	AA	1940500450
SNP_P1_238384_106070	NW_004516856.1	Scaffold1730	106070	TT	CC	1940500452
SNP_P1_238385_106072	NW_004516856.1	Scaffold1730	106072	TT	CC	1940500454
SNP_P1_238386_106078	NW_004516856.1	Scaffold1730	106078	CC	TT	1940500456
SNP_P1_238387_106083	NW_004516856.1	Scaffold1730	106083	GG	AA	1940500458
SNP_P1_238389_109372	NW_004516856.1	Scaffold1730	109372	AA	GG	1940500461
SNP_P1_238390_110108	NW_004516856.1	Scaffold1730	110108	TT	AA	1940500463
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SNP_P1_238392_110511	NW_004516856.1	Scaffold1730	110511	GG	AA	1940500467
SNP_P1_238393_110556	NW_004516856.1	Scaffold1730	110556	CC	TT	1940500469
SNP_P1_238394_110651	NW_004516856.1	Scaffold1730	110651	AA	TT	1940500471
SNP_P1_238395_110744	NW_004516856.1	Scaffold1730	110744	CC	GG	1940500473
SNP_P1_238396_110804	NW_004516856.1	Scaffold1730	110804	AA	CC	1940500476

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238398_111319	NW_004516856.1	Scaffold1730	111319	CC	TT	1940500480
SNP_P1_238400_111945	NW_004516856.1	Scaffold1730	111945	AA	GG	1940500482
SNP_P1_238401_112295	NW_004516856.1	Scaffold1730	112295	TT	AA	1940500484
SNP_P1_238402_112418	NW_004516856.1	Scaffold1730	112418	CC	TT	1940500486
SNP_P1_238403_113538	NW_004516856.1	Scaffold1730	113538	CC	AA	1940500488
SNP_P1_238404_113612	NW_004516856.1	Scaffold1730	113612	GG	CC	1940500491
SNP_P1_238405_114659	NW_004516856.1	Scaffold1730	114659	CC	AA	1940500493
SNP_P1_238406_114666	NW_004516856.1	Scaffold1730	114666	AA	GG	1940500495
SNP_P1_238407_114723	NW_004516856.1	Scaffold1730	114723	CC	AA	1940500497
SNP_P1_238408_114730	NW_004516856.1	Scaffold1730	114730	GG	AA	1940500499
SNP_P1_238409_114802	NW_004516856.1	Scaffold1730	114802	CC	TT	1940500501
SNP_P1_238410_114814	NW_004516856.1	Scaffold1730	114814	TT	CC	1940500503
SNP_P1_238411_114821	NW_004516856.1	Scaffold1730	114821	GG	AA	1940500506
SNP_P1_238412_114941	NW_004516856.1	Scaffold1730	114941	TT	CC	1940500508
SNP_P1_238413_115582	NW_004516856.1	Scaffold1730	115582	TT	AA	1940500510
SNP_P1_238414_115639	NW_004516856.1	Scaffold1730	115639	TT	CC	1940500512
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SNP_P1_238417_120621	NW_004516856.1	Scaffold1730	120621	AA	CC	1940500518
SNP_P1_238418_121915	NW_004516856.1	Scaffold1730	121915	CC	TT	1940500521
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SNP_P1_238420_121957	NW_004516856.1	Scaffold1730	121957	AA	GG	1940500525
SNP_P1_238421_121965	NW_004516856.1	Scaffold1730	121965	TT	AA	1940500527
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SNP_P1_238423_121982	NW_004516856.1	Scaffold1730	121982	AA	GG	1940500531
SNP_P1_238424_121985	NW_004516856.1	Scaffold1730	121985	AA	GG	1940500533
SNP_P1_238425_122011	NW_004516856.1	Scaffold1730	122011	CC	GG	1940500536
SNP_P1_238426_122034	NW_004516856.1	Scaffold1730	122034	TT	CC	1940500538
SNP_P1_238427_122043	NW_004516856.1	Scaffold1730	122043	AA	GG	1940500540
SNP_P1_238428_122064	NW_004516856.1	Scaffold1730	122064	AA	TT	1940500542
SNP_P1_238429_122070	NW_004516856.1	Scaffold1730	122070	CC	TT	1940500544
SNP_P1_238430_122327	NW_004516856.1	Scaffold1730	122327	AA	TT	1940500546
SNP_P1_238431_122332	NW_004516856.1	Scaffold1730	122332	AA	CC	1940500548
SNP_P1_238432_122352	NW_004516856.1	Scaffold1730	122352	GG	AA	1940500551
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SNP_P1_238435_122375	NW_004516856.1	Scaffold1730	122375	CC	AA	1940500557
SNP_P1_238436_122416	NW_004516856.1	Scaffold1730	122416	AA	GG	1940500559
SNP_P1_238437_122528	NW_004516856.1	Scaffold1730	122528	CC	GG	1940500561
SNP_P1_238438_122548	NW_004516856.1	Scaffold1730	122548	CC	GG	1940500563
SNP_P1_238439_123671	NW_004516856.1	Scaffold1730	123671	CC	GG	1940500566

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238443_126183	NW_004516856.1	Scaffold1730	126183	GG	AA	1940500574
SNP_P1_238444_126628	NW_004516856.1	Scaffold1730	126628	AA	GG	1940500576
SNP_P1_238445_2748	NW_004516857.1	Scaffold1731	2748	GG	AA	1940500578
SNP_P1_238446_9523	NW_004516857.1	Scaffold1731	9523	AA	TT	1940500581
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SNP_P1_238449_13277	NW_004516857.1	Scaffold1731	13277	TT	CC	1940500587
SNP_P1_238450_13531	NW_004516857.1	Scaffold1731	13531	AA	GG	1940500589
SNP_P1_238451_22657	NW_004516857.1	Scaffold1731	22657	CC	TT	1940500591
SNP_P1_238452_30693	NW_004516857.1	Scaffold1731	30693	TT	AA	1940500593
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SNP_P1_238470_47025	NW_004516857.1	Scaffold1731	47025	CC	TT	1940500626
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SNP_P1_238472_47385	NW_004516857.1	Scaffold1731	47385	AA	GG	1940500630
SNP_P1_238473_48560	NW_004516857.1	Scaffold1731	48560	GG	AA	1940500632
SNP_P1_238475_50013	NW_004516857.1	Scaffold1731	50013	CC	TT	1940500634
SNP_P1_238476_51758	NW_004516857.1	Scaffold1731	51758	TT	CC	1940500636
SNP_P1_238477_52597	NW_004516857.1	Scaffold1731	52597	CC	AA	1940500638
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SNP_P1_238480_54357	NW_004516857.1	Scaffold1731	54357	AA	GG	1940500643
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SNP_P1_238483_62723	NW_004516857.1	Scaffold1731	62723	CC	TT	1940500649
SNP_P1_238484_63731	NW_004516857.1	Scaffold1731	63731	TT	CC	1940500651
SNP_P1_238485_65438	NW_004516857.1	Scaffold1731	65438	GG	TT	1940500653
SNP_P1_238487_66198	NW_004516857.1	Scaffold1731	66198	GG	AA	1940500655

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238489_71756	NW_004516857.1	Scaffold1731	71756	TT	AA	1940500660
SNP_P1_238490_82281	NW_004516857.1	Scaffold1731	82281	GG	AA	1940500662
SNP_P1_238491_83830	NW_004516857.1	Scaffold1731	83830	GG	AA	1940500664
SNP_P1_238492_83831	NW_004516857.1	Scaffold1731	83831	CC	AA	1940500666
SNP_P1_238493_83855	NW_004516857.1	Scaffold1731	83855	CC	TT	1940500668
SNP_P1_238494_84568	NW_004516857.1	Scaffold1731	84568	CC	TT	1940500670
SNP_P1_238496_85402	NW_004516857.1	Scaffold1731	85402	AA	GG	1940500673
SNP_P1_238497_85936	NW_004516857.1	Scaffold1731	85936	TT	CC	1940500675
SNP_P1_238499_64	NW_004516858.1	Scaffold1734	64	CC	TT	1940500677
SNP_P1_238500_356	NW_004516858.1	Scaffold1734	356	AA	GG	1940500679
SNP_P1_238501_415	NW_004516858.1	Scaffold1734	415	GG	AA	1940500681
SNP_P1_238502_417	NW_004516858.1	Scaffold1734	417	GG	AA	1940500683
SNP_P1_238503_437	NW_004516858.1	Scaffold1734	437	TT	CC	1940500685
SNP_P1_238504_462	NW_004516858.1	Scaffold1734	462	AA	TT	1940500688
SNP_P1_238505_464	NW_004516858.1	Scaffold1734	464	CC	TT	1940500690
SNP_P1_238507_827	NW_004516858.1	Scaffold1734	827	GG	AA	1940500692
SNP_P1_238508_6312	NW_004516858.1	Scaffold1734	6312	GG	AA	1940500694
SNP_P1_238509_6362	NW_004516858.1	Scaffold1734	6362	AA	GG	1940500696
SNP_P1_238510_6599	NW_004516858.1	Scaffold1734	6599	TT	CC	1940500698
SNP_P1_238511_7138	NW_004516858.1	Scaffold1734	7138	CC	TT	1940500700
SNP_P1_238512_7595	NW_004516858.1	Scaffold1734	7595	AA	GG	1940500703
SNP_P1_238513_7596	NW_004516858.1	Scaffold1734	7596	TT	AA	1940500705
SNP_P1_238514_7819	NW_004516858.1	Scaffold1734	7819	CC	TT	1940500707
SNP_P1_238515_7891	NW_004516858.1	Scaffold1734	7891	CC	AA	1940500709
SNP_P1_238516_9228	NW_004516858.1	Scaffold1734	9228	TT	CC	1940500711
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SNP_P1_238519_10362	NW_004516858.1	Scaffold1734	10362	TT	CC	1940500718
SNP_P1_238520_10377	NW_004516858.1	Scaffold1734	10377	GG	TT	1940500720
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SNP_P1_238525_8236	NW_004516859.1	Scaffold1736	8236	GG	AA	1940500730
SNP_P1_238526_8282	NW_004516859.1	Scaffold1736	8282	CC	AA	1940500733
SNP_P1_238528_8334	NW_004516859.1	Scaffold1736	8334	AA	GG	1940500735
SNP_P1_238529_8511	NW_004516859.1	Scaffold1736	8511	GG	AA	1940500737
SNP_P1_238530_8519	NW_004516859.1	Scaffold1736	8519	AA	GG	1940500739
SNP_P1_238531_8521	NW_004516859.1	Scaffold1736	8521	TT	CC	1940500741
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SNP_P1_238535_8789	NW_004516859.1	Scaffold1736	8789	CC	TT	1940500745

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238538_17570	NW_004516859.1	Scaffold1736	17570	AA	GG	1940500752
SNP_P1_238539_17585	NW_004516859.1	Scaffold1736	17585	TT	CC	1940500754
SNP_P1_238541_22014	NW_004516859.1	Scaffold1736	22014	AA	GG	1940500756
SNP_P1_238542_25804	NW_004516859.1	Scaffold1736	25804	GG	AA	1940500758
SNP_P1_238543_25867	NW_004516859.1	Scaffold1736	25867	GG	TT	1940500760
SNP_P1_238544_25868	NW_004516859.1	Scaffold1736	25868	CC	TT	1940500763
SNP_P1_238545_25876	NW_004516859.1	Scaffold1736	25876	TT	AA	1940500765
SNP_P1_238546_25882	NW_004516859.1	Scaffold1736	25882	AA	GG	1940500767
SNP_P1_238547_27691	NW_004516859.1	Scaffold1736	27691	GG	TT	1940500769
SNP_P1_238548_27737	NW_004516859.1	Scaffold1736	27737	GG	TT	1940500771
SNP_P1_238549_27752	NW_004516859.1	Scaffold1736	27752	AA	GG	1940500773
SNP_P1_238550_32471	NW_004516859.1	Scaffold1736	32471	TT	CC	1940500775
SNP_P1_238551_1338	NW_004516861.1	Scaffold1739	1338	AA	GG	1940500777
SNP_P1_238552_431	NW_004516862.1	Scaffold1740	431	GG	AA	1940500780
SNP_P1_238553_446	NW_004516862.1	Scaffold1740	446	CC	TT	1940500782
SNP_P1_238554_568	NW_004516862.1	Scaffold1740	568	TT	CC	1940500784
SNP_P1_238555_603	NW_004516862.1	Scaffold1740	603	AA	GG	1940500786
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SNP_P1_238559_1055	NW_004516862.1	Scaffold1740	1055	TT	GG	1940500795
SNP_P1_238560_1337	NW_004516862.1	Scaffold1740	1337	GG	AA	1940500797
SNP_P1_238561_1384	NW_004516862.1	Scaffold1740	1384	AA	GG	1940500799
SNP_P1_238562_1495	NW_004516862.1	Scaffold1740	1495	GG	TT	1940500801
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SNP_P1_238564_2186	NW_004516862.1	Scaffold1740	2186	GG	TT	1940500805
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SNP_P1_238568_2506	NW_004516862.1	Scaffold1740	2506	GG	AA	1940500813
SNP_P1_238570_2734	NW_004516862.1	Scaffold1740	2734	GG	AA	1940500815
SNP_P1_238571_4907	NW_004516862.1	Scaffold1740	4907	CC	AA	1940500817
SNP_P1_238572_5247	NW_004516862.1	Scaffold1740	5247	CC	TT	1940500819
SNP_P1_238573_5248	NW_004516862.1	Scaffold1740	5248	GG	AA	1940500822
SNP_P1_238574_5277	NW_004516862.1	Scaffold1740	5277	GG	AA	1940500824
SNP_P1_238575_16526	NW_004516862.1	Scaffold1740	16526	TT	CC	1940500826
SNP_P1_238576_16531	NW_004516862.1	Scaffold1740	16531	CC	TT	1940500828
SNP_P1_238577_16535	NW_004516862.1	Scaffold1740	16535	GG	TT	1940500830
SNP_P1_238578_16545	NW_004516862.1	Scaffold1740	16545	CC	AA	1940500832
SNP_P1_238579_868	NW_004516864.1	Scaffold1743	868	TT	CC	1940500834

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238582_4487	NW_004516866.1	Scaffold1745	4487	GG	AA	1940500841
SNP_P1_238583_4502	NW_004516866.1	Scaffold1745	4502	AA	CC	1940500843
SNP_P1_238584_4675	NW_004516866.1	Scaffold1745	4675	TT	GG	1940500845
SNP_P1_238585_4908	NW_004516866.1	Scaffold1745	4908	AA	GG	1940500847
SNP_P1_238586_1473	NW_004516869.1	Scaffold1748	1473	CC	AA	1940500849
SNP_P1_238587_1800	NW_004516870.1	Scaffold1750	1800	TT	CC	1940500851
SNP_P1_238588_44921	NW_004516870.1	Scaffold1750	44921	TT	CC	1940500854
SNP_P1_238589_59718	NW_004516870.1	Scaffold1750	59718	GG	AA	1940500856
SNP_P1_238590_65272	NW_004516870.1	Scaffold1750	65272	GG	AA	1940500858
SNP_P1_238591_69986	NW_004516870.1	Scaffold1750	69986	TT	CC	1940500860
SNP_P1_238592_71046	NW_004516870.1	Scaffold1750	71046	TT	AA	1940500862
SNP_P1_238593_71736	NW_004516870.1	Scaffold1750	71736	TT	CC	1940500864
SNP_P1_238594_81371	NW_004516870.1	Scaffold1750	81371	TT	CC	1940500867
SNP_P1_238595_81383	NW_004516870.1	Scaffold1750	81383	AA	TT	1940500869
SNP_P1_238596_87482	NW_004516870.1	Scaffold1750	87482	TT	AA	1940500871
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SNP_P1_238598_96739	NW_004516870.1	Scaffold1750	96739	GG	AA	1940500875
SNP_P1_238599_97601	NW_004516870.1	Scaffold1750	97601	GG	AA	1940500877
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SNP_P1_238606_144123	NW_004516870.1	Scaffold1750	144123	AA	CC	1940500890
SNP_P1_238607_151810	NW_004516870.1	Scaffold1750	151810	AA	GG	1940500892
SNP_P1_238608_152174	NW_004516870.1	Scaffold1750	152174	CC	TT	1940500894
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SNP_P1_238611_201790	NW_004516870.1	Scaffold1750	201790	AA	TT	1940500901
SNP_P1_238612_215249	NW_004516870.1	Scaffold1750	215249	TT	AA	1940500903
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SNP_P1_238615_236652	NW_004516870.1	Scaffold1750	236652	GG	AA	1940500909
SNP_P1_238616_242969	NW_004516870.1	Scaffold1750	242969	AA	GG	1940500912
SNP_P1_238617_258882	NW_004516870.1	Scaffold1750	258882	CC	TT	1940500914
SNP_P1_238618_6080	NW_004516871.1	Scaffold1751	6080	GG	CC	1940500916
SNP_P1_238619_6165	NW_004516871.1	Scaffold1751	6165	TT	AA	1940500918
SNP_P1_238620_6177	NW_004516871.1	Scaffold1751	6177	TT	AA	1940500920
SNP_P1_238621_6239	NW_004516871.1	Scaffold1751	6239	AA	GG	1940500922
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238629_14860	NW_004516871.1	Scaffold1751	14860	CC	AA	1940500939
SNP_P1_238630_17601	NW_004516871.1	Scaffold1751	17601	AA	GG	1940500942
SNP_P1_238631_19460	NW_004516871.1	Scaffold1751	19460	AA	GG	1940500944
SNP_P1_238632_22310	NW_004516871.1	Scaffold1751	22310	AA	TT	1940500946
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SNP_P1_238634_23702	NW_004516871.1	Scaffold1751	23702	GG	AA	1940500950
SNP_P1_238635_23807	NW_004516871.1	Scaffold1751	23807	GG	AA	1940500952
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SNP_P1_238639_41376	NW_004516871.1	Scaffold1751	41376	AA	GG	1940500961
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SNP_P1_238657_65302	NW_004516871.1	Scaffold1751	65302	GG	AA	1940500999
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SNP_P1_238661_65334	NW_004516871.1	Scaffold1751	65334	AA	GG	1940501008
SNP_P1_238662_65338	NW_004516871.1	Scaffold1751	65338	TT	CC	1940501010
SNP_P1_238663_65356	NW_004516871.1	Scaffold1751	65356	GG	AA	1940501012
SNP_P1_238664_65362	NW_004516871.1	Scaffold1751	65362	AA	TT	1940501014

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238668_65481	NW_004516871.1	Scaffold1751	65481	GG	AA	1940501023
SNP_P1_238669_65529	NW_004516871.1	Scaffold1751	65529	CC	GG	1940501025
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SNP_P1_238676_69017	NW_004516871.1	Scaffold1751	69017	TT	AA	1940501040
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SNP_P1_238678_69055	NW_004516871.1	Scaffold1751	69055	AA	GG	1940501044
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SNP_P1_238682_69378	NW_004516871.1	Scaffold1751	69378	CC	TT	1940501051
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SNP_P1_238684_69514	NW_004516871.1	Scaffold1751	69514	TT	GG	1940501055
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SNP_P1_238701_121125	NW_004516871.1	Scaffold1751	121125	AA	TT	1940501089
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SNP_P1_238703_127332	NW_004516871.1	Scaffold1751	127332	AA	GG	1940501094
SNP_P1_238704_127566	NW_004516871.1	Scaffold1751	127566	CC	AA	1940501096
SNP_P1_238705_127615	NW_004516871.1	Scaffold1751	127615	AA	CC	1940501098
SNP_P1_238706_130329	NW_004516871.1	Scaffold1751	130329	TT	AA	1940501100
SNP_P1_238707_132413	NW_004516871.1	Scaffold1751	132413	TT	AA	1940501102
SNP_P1_238708_132735	NW_004516871.1	Scaffold1751	132735	TT	AA	1940501104

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_238709_135030	NW_004516871.1	Scaffold1751	135030	CC	TT	1940501106
SNP_P1_238710_139521	NW_004516871.1	Scaffold1751	139521	AA	CC	1940501109
SNP_P1_238711_139562	NW_004516871.1	Scaffold1751	139562	AA	TT	1940501111
SNP_P1_238712_142237	NW_004516871.1	Scaffold1751	142237	GG	CC	1940501113
SNP_P1_238713_142349	NW_004516871.1	Scaffold1751	142349	TT	AA	1940501115
SNP_P1_238714_144109	NW_004516871.1	Scaffold1751	144109	CC	GG	1940501117
SNP_P1_238715_144140	NW_004516871.1	Scaffold1751	144140	GG	CC	1940501119
SNP_P1_238716_144150	NW_004516871.1	Scaffold1751	144150	CC	AA	1940501121
SNP_P1_238717_144151	NW_004516871.1	Scaffold1751	144151	AA	CC	1940501124
SNP_P1_238718_144181	NW_004516871.1	Scaffold1751	144181	AA	GG	1940501126
SNP_P1_238719_144186	NW_004516871.1	Scaffold1751	144186	GG	TT	1940501128
SNP_P1_238720_144228	NW_004516871.1	Scaffold1751	144228	GG	CC	1940501130
SNP_P1_238721_144287	NW_004516871.1	Scaffold1751	144287	GG	AA	1940501132
SNP_P1_238722_144309	NW_004516871.1	Scaffold1751	144309	CC	TT	1940501134
SNP_P1_238723_144310	NW_004516871.1	Scaffold1751	144310	AA	GG	1940501136
SNP_P1_238724_144328	NW_004516871.1	Scaffold1751	144328	AA	CC	1940501139
SNP_P1_238725_144481	NW_004516871.1	Scaffold1751	144481	GG	AA	1940501141
SNP_P1_238726_147212	NW_004516871.1	Scaffold1751	147212	AA	CC	1940501143
SNP_P1_238727_149566	NW_004516871.1	Scaffold1751	149566	CC	TT	1940501145
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SNP_P1_238730_159199	NW_004516871.1	Scaffold1751	159199	GG	TT	1940501151
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SNP_P1_238732_159227	NW_004516871.1	Scaffold1751	159227	GG	AA	1940501156
SNP_P1_238733_161825	NW_004516871.1	Scaffold1751	161825	AA	CC	1940501158
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SNP_P1_238735_167160	NW_004516871.1	Scaffold1751	167160	TT	AA	1940501162
SNP_P1_238736_167162	NW_004516871.1	Scaffold1751	167162	CC	TT	1940501164
SNP_P1_238737_167169	NW_004516871.1	Scaffold1751	167169	AA	GG	1940501167
SNP_P1_238738_167171	NW_004516871.1	Scaffold1751	167171	TT	CC	1940501169
SNP_P1_238739_167198	NW_004516871.1	Scaffold1751	167198	AA	TT	1940501171
SNP_P1_238740_167201	NW_004516871.1	Scaffold1751	167201	AA	CC	1940501173
SNP_P1_238741_167762	NW_004516871.1	Scaffold1751	167762	TT	AA	1940501175
SNP_P1_238742_167895	NW_004516871.1	Scaffold1751	167895	TT	AA	1940501177
SNP_P1_238743_168755	NW_004516871.1	Scaffold1751	168755	AA	TT	1940501180
SNP_P1_238744_169030	NW_004516871.1	Scaffold1751	169030	GG	CC	1940501182
SNP_P1_238745_174390	NW_004516871.1	Scaffold1751	174390	TT	CC	1940501184
SNP_P1_238746_178632	NW_004516871.1	Scaffold1751	178632	CC	TT	1940501186
SNP_P1_238747_180744	NW_004516871.1	Scaffold1751	180744	GG	AA	1940501188
SNP_P1_238748_193883	NW_004516871.1	Scaffold1751	193883	AA	CC	1940501190
SNP_P1_238749_194192	NW_004516871.1	Scaffold1751	194192	GG	AA	1940501192
SNP_P1_238750_194210	NW_004516871.1	Scaffold1751	194210	AA	GG	1940501195

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238752_195305	NW_004516871.1	Scaffold1751	195305	CC	TT	1940501199
SNP_P1_238753_195310	NW_004516871.1	Scaffold1751	195310	GG	AA	1940501201
SNP_P1_238754_195701	NW_004516871.1	Scaffold1751	195701	TT	AA	1940501203
SNP_P1_238758_252577	NW_004516871.1	Scaffold1751	252577	AA	GG	1940501205
SNP_P1_238759_267675	NW_004516871.1	Scaffold1751	267675	CC	TT	1940501207
SNP_P1_238760_267678	NW_004516871.1	Scaffold1751	267678	AA	GG	1940501210
SNP_P1_238761_267681	NW_004516871.1	Scaffold1751	267681	CC	AA	1940501212
SNP_P1_238762_267684	NW_004516871.1	Scaffold1751	267684	AA	GG	1940501214
SNP_P1_238763_267690	NW_004516871.1	Scaffold1751	267690	AA	TT	1940501216
SNP_P1_238764_267707	NW_004516871.1	Scaffold1751	267707	GG	AA	1940501218
SNP_P1_238765_267717	NW_004516871.1	Scaffold1751	267717	AA	TT	1940501220
SNP_P1_238766_274230	NW_004516871.1	Scaffold1751	274230	AA	GG	1940501222
SNP_P1_238768_305978	NW_004516871.1	Scaffold1751	305978	CC	TT	1940501225
SNP_P1_238769_308551	NW_004516871.1	Scaffold1751	308551	GG	AA	1940501227
SNP_P1_238770_308939	NW_004516871.1	Scaffold1751	308939	AA	GG	1940501229
SNP_P1_238771_317302	NW_004516871.1	Scaffold1751	317302	TT	GG	1940501231
SNP_P1_238772_346699	NW_004516871.1	Scaffold1751	346699	TT	CC	1940501233
SNP_P1_238773_349414	NW_004516871.1	Scaffold1751	349414	TT	GG	1940501235
SNP_P1_238774_349443	NW_004516871.1	Scaffold1751	349443	GG	AA	1940501237
SNP_P1_238775_361735	NW_004516871.1	Scaffold1751	361735	AA	GG	1940501240
SNP_P1_238776_362122	NW_004516871.1	Scaffold1751	362122	AA	CC	1940501242
SNP_P1_238777_362158	NW_004516871.1	Scaffold1751	362158	AA	GG	1940501244
SNP_P1_238778_362200	NW_004516871.1	Scaffold1751	362200	TT	AA	1940501246
SNP_P1_238779_378212	NW_004516871.1	Scaffold1751	378212	TT	CC	1940501248
SNP_P1_238780_378844	NW_004516871.1	Scaffold1751	378844	CC	AA	1940501250
SNP_P1_238781_383775	NW_004516871.1	Scaffold1751	383775	GG	AA	1940501252
SNP_P1_238782_383987	NW_004516871.1	Scaffold1751	383987	CC	GG	1940501255
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SNP_P1_238784_390504	NW_004516871.1	Scaffold1751	390504	GG	AA	1940501259
SNP_P1_238785_390537	NW_004516871.1	Scaffold1751	390537	AA	GG	1940501261
SNP_P1_238786_390552	NW_004516871.1	Scaffold1751	390552	TT	AA	1940501263
SNP_P1_238787_390897	NW_004516871.1	Scaffold1751	390897	TT	CC	1940501265
SNP_P1_238788_414009	NW_004516871.1	Scaffold1751	414009	CC	TT	1940501267
SNP_P1_238790_421328	NW_004516871.1	Scaffold1751	421328	GG	AA	1940501270
SNP_P1_238791_423628	NW_004516871.1	Scaffold1751	423628	TT	AA	1940501272
SNP_P1_238792_423650	NW_004516871.1	Scaffold1751	423650	GG	AA	1940501274
SNP_P1_238793_423682	NW_004516871.1	Scaffold1751	423682	CC	TT	1940501276
SNP_P1_238794_423736	NW_004516871.1	Scaffold1751	423736	TT	CC	1940501278
SNP_P1_238795_423767	NW_004516871.1	Scaffold1751	423767	AA	GG	1940501280
SNP_P1_238796_423770	NW_004516871.1	Scaffold1751	423770	CC	TT	1940501282
SNP_P1_238797_425043	NW_004516871.1	Scaffold1751	425043	AA	TT	1940501285

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238799_425149	NW_004516871.1	Scaffold1751	425149	CC	TT	1940501289
SNP_P1_238800_425160	NW_004516871.1	Scaffold1751	425160	TT	CC	1940501291
SNP_P1_238801_426103	NW_004516871.1	Scaffold1751	426103	AA	GG	1940501293
SNP_P1_238802_441810	NW_004516871.1	Scaffold1751	441810	GG	TT	1940501295
SNP_P1_238803_446734	NW_004516871.1	Scaffold1751	446734	AA	TT	1940501297
SNP_P1_238804_448512	NW_004516871.1	Scaffold1751	448512	TT	GG	1940501300
SNP_P1_238805_448976	NW_004516871.1	Scaffold1751	448976	AA	GG	1940501302
SNP_P1_238806_448991	NW_004516871.1	Scaffold1751	448991	GG	AA	1940501304
SNP_P1_238807_449013	NW_004516871.1	Scaffold1751	449013	AA	TT	1940501306
SNP_P1_238808_449089	NW_004516871.1	Scaffold1751	449089	CC	TT	1940501308
SNP_P1_238809_455873	NW_004516871.1	Scaffold1751	455873	CC	TT	1940501310
SNP_P1_238810_455887	NW_004516871.1	Scaffold1751	455887	CC	TT	1940501312
SNP_P1_238811_467919	NW_004516871.1	Scaffold1751	467919	AA	GG	1940501315
SNP_P1_238813_471803	NW_004516871.1	Scaffold1751	471803	AA	GG	1940501317
SNP_P1_238814_494403	NW_004516871.1	Scaffold1751	494403	AA	GG	1940501319
SNP_P1_238815_495834	NW_004516871.1	Scaffold1751	495834	TT	GG	1940501321
SNP_P1_238816_497112	NW_004516871.1	Scaffold1751	497112	TT	CC	1940501323
SNP_P1_238817_497132	NW_004516871.1	Scaffold1751	497132	AA	GG	1940501325
SNP_P1_238818_497133	NW_004516871.1	Scaffold1751	497133	AA	GG	1940501327
SNP_P1_238819_497134	NW_004516871.1	Scaffold1751	497134	CC	TT	1940501330
SNP_P1_238820_497392	NW_004516871.1	Scaffold1751	497392	TT	GG	1940501332
SNP_P1_238821_500053	NW_004516871.1	Scaffold1751	500053	TT	GG	1940501334
SNP_P1_238822_502009	NW_004516871.1	Scaffold1751	502009	CC	TT	1940501336
SNP_P1_238823_510293	NW_004516871.1	Scaffold1751	510293	AA	GG	1940501338
SNP_P1_238824_556942	NW_004516871.1	Scaffold1751	556942	GG	AA	1940501340
SNP_P1_238825_596900	NW_004516871.1	Scaffold1751	596900	TT	CC	1940501342
SNP_P1_238826_608905	NW_004516871.1	Scaffold1751	608905	GG	AA	1940501345
SNP_P1_238827_624296	NW_004516871.1	Scaffold1751	624296	GG	CC	1940501347
SNP_P1_238829_624711	NW_004516871.1	Scaffold1751	624711	TT	AA	1940501349
SNP_P1_238830_624724	NW_004516871.1	Scaffold1751	624724	GG	CC	1940501351
SNP_P1_238831_624737	NW_004516871.1	Scaffold1751	624737	CC	GG	1940501353
SNP_P1_238832_624820	NW_004516871.1	Scaffold1751	624820	TT	CC	1940501355
SNP_P1_238833_631254	NW_004516871.1	Scaffold1751	631254	CC	TT	1940501357
SNP_P1_238834_631455	NW_004516871.1	Scaffold1751	631455	AA	GG	1940501359
SNP_P1_238835_631505	NW_004516871.1	Scaffold1751	631505	AA	GG	1940501362
SNP_P1_238836_631894	NW_004516871.1	Scaffold1751	631894	TT	AA	1940501364
SNP_P1_238837_632104	NW_004516871.1	Scaffold1751	632104	GG	AA	1940501366
SNP_P1_238838_632356	NW_004516871.1	Scaffold1751	632356	TT	CC	1940501368
SNP_P1_238839_632367	NW_004516871.1	Scaffold1751	632367	AA	TT	1940501370
SNP_P1_238840_632720	NW_004516871.1	Scaffold1751	632720	GG	AA	1940501372
SNP_P1_238841_362	NW_004516872.1	Scaffold1752	362	AA	TT	1940501375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238843_441	NW_004516872.1	Scaffold1752	441	TT	CC	1940501379
SNP_P1_238844_825	NW_004516872.1	Scaffold1752	825	TT	CC	1940501381
SNP_P1_238845_4845	NW_004516873.1	Scaffold1754	4845	TT	CC	1940501383
SNP_P1_238846_4919	NW_004516873.1	Scaffold1754	4919	TT	GG	1940501385
SNP_P1_238847_5068	NW_004516873.1	Scaffold1754	5068	GG	AA	1940501387
SNP_P1_238848_5212	NW_004516873.1	Scaffold1754	5212	CC	TT	1940501390
SNP_P1_238849_5233	NW_004516873.1	Scaffold1754	5233	TT	GG	1940501392
SNP_P1_238850_5252	NW_004516873.1	Scaffold1754	5252	GG	CC	1940501394
SNP_P1_238851_5253	NW_004516873.1	Scaffold1754	5253	CC	AA	1940501396
SNP_P1_238852_5296	NW_004516873.1	Scaffold1754	5296	AA	GG	1940501398
SNP_P1_238853_5534	NW_004516873.1	Scaffold1754	5534	AA	GG	1940501400
SNP_P1_238854_5556	NW_004516873.1	Scaffold1754	5556	GG	AA	1940501402
SNP_P1_238855_6360	NW_004516873.1	Scaffold1754	6360	CC	TT	1940501404
SNP_P1_238856_6397	NW_004516873.1	Scaffold1754	6397	TT	GG	1940501407
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SNP_P1_238858_6514	NW_004516873.1	Scaffold1754	6514	CC	TT	1940501411
SNP_P1_238859_6716	NW_004516873.1	Scaffold1754	6716	TT	GG	1940501413
SNP_P1_238860_6939	NW_004516873.1	Scaffold1754	6939	GG	TT	1940501415
SNP_P1_238861_6963	NW_004516873.1	Scaffold1754	6963	AA	CC	1940501417
SNP_P1_238862_6972	NW_004516873.1	Scaffold1754	6972	GG	AA	1940501419
SNP_P1_238863_166	NW_004516874.1	Scaffold1755	166	TT	AA	1940501422
SNP_P1_238864_344	NW_004516874.1	Scaffold1755	344	AA	GG	1940501424
SNP_P1_238865_474	NW_004516874.1	Scaffold1755	474	AA	CC	1940501426
SNP_P1_238866_652	NW_004516874.1	Scaffold1755	652	TT	CC	1940501428
SNP_P1_238867_10460	NW_004516874.1	Scaffold1755	10460	GG	AA	1940501430
SNP_P1_238868_10487	NW_004516874.1	Scaffold1755	10487	AA	TT	1940501432
SNP_P1_238869_10806	NW_004516874.1	Scaffold1755	10806	TT	CC	1940501434
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SNP_P1_238871_13500	NW_004516874.1	Scaffold1755	13500	TT	CC	1940501439
SNP_P1_238872_13570	NW_004516874.1	Scaffold1755	13570	AA	CC	1940501441
SNP_P1_238873_24017	NW_004516874.1	Scaffold1755	24017	TT	GG	1940501443
SNP_P1_238874_26841	NW_004516874.1	Scaffold1755	26841	TT	CC	1940501445
SNP_P1_238875_32358	NW_004516874.1	Scaffold1755	32358	TT	CC	1940501447
SNP_P1_238876_32420	NW_004516874.1	Scaffold1755	32420	AA	TT	1940501449
SNP_P1_238877_32421	NW_004516874.1	Scaffold1755	32421	TT	AA	1940501451
SNP_P1_238878_32654	NW_004516874.1	Scaffold1755	32654	AA	TT	1940501454
SNP_P1_238879_32787	NW_004516874.1	Scaffold1755	32787	GG	AA	1940501456
SNP_P1_238880_32800	NW_004516874.1	Scaffold1755	32800	TT	GG	1940501458
SNP_P1_238881_33074	NW_004516874.1	Scaffold1755	33074	GG	AA	1940501460
SNP_P1_238882_33107	NW_004516874.1	Scaffold1755	33107	GG	TT	1940501462
SNP_P1_238883_33192	NW_004516874.1	Scaffold1755	33192	CC	AA	1940501464

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238886_33554	NW_004516874.1	Scaffold1755	33554	TT	CC	1940501471
SNP_P1_238887_33556	NW_004516874.1	Scaffold1755	33556	AA	CC	1940501473
SNP_P1_238888_41384	NW_004516874.1	Scaffold1755	41384	TT	GG	1940501475
SNP_P1_238889_41385	NW_004516874.1	Scaffold1755	41385	AA	TT	1940501477
SNP_P1_238890_41404	NW_004516874.1	Scaffold1755	41404	GG	AA	1940501479
SNP_P1_238891_41408	NW_004516874.1	Scaffold1755	41408	AA	GG	1940501481
SNP_P1_238892_41449	NW_004516874.1	Scaffold1755	41449	AA	GG	1940501483
SNP_P1_238893_41451	NW_004516874.1	Scaffold1755	41451	TT	GG	1940501485
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SNP_P1_238896_59428	NW_004516874.1	Scaffold1755	59428	AA	CC	1940501490
SNP_P1_238897_66011	NW_004516874.1	Scaffold1755	66011	TT	CC	1940501492
SNP_P1_238898_66035	NW_004516874.1	Scaffold1755	66035	GG	AA	1940501494
SNP_P1_238899_66092	NW_004516874.1	Scaffold1755	66092	TT	CC	1940501496
SNP_P1_238901_126132	NW_004516874.1	Scaffold1755	126132	CC	GG	1940501498
SNP_P1_238902_126183	NW_004516874.1	Scaffold1755	126183	AA	TT	1940501499
SNP_P1_238903_126388	NW_004516874.1	Scaffold1755	126388	AA	CC	1940501501
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SNP_P1_238907_126750	NW_004516874.1	Scaffold1755	126750	TT	CC	1940501507
SNP_P1_238908_126796	NW_004516874.1	Scaffold1755	126796	CC	TT	1940501508
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SNP_P1_238910_127152	NW_004516874.1	Scaffold1755	127152	GG	TT	1940501511
SNP_P1_238911_127556	NW_004516874.1	Scaffold1755	127556	AA	GG	1940501513
SNP_P1_238912_128707	NW_004516874.1	Scaffold1755	128707	CC	TT	1940501514
SNP_P1_238914_128794	NW_004516874.1	Scaffold1755	128794	AA	GG	1940501516
SNP_P1_238915_128875	NW_004516874.1	Scaffold1755	128875	CC	AA	1940501518
SNP_P1_238916_129030	NW_004516874.1	Scaffold1755	129030	AA	GG	1940501520
SNP_P1_238917_129036	NW_004516874.1	Scaffold1755	129036	TT	AA	1940501523
SNP_P1_238918_129054	NW_004516874.1	Scaffold1755	129054	TT	CC	1940501525
SNP_P1_238919_129077	NW_004516874.1	Scaffold1755	129077	AA	CC	1940501527
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SNP_P1_238921_129091	NW_004516874.1	Scaffold1755	129091	TT	GG	1940501531
SNP_P1_238922_129093	NW_004516874.1	Scaffold1755	129093	CC	GG	1940501533
SNP_P1_238923_129130	NW_004516874.1	Scaffold1755	129130	AA	GG	1940501536
SNP_P1_238925_165	NW_004516875.1	Scaffold1756	165	GG	AA	1940501538
SNP_P1_238926_172	NW_004516875.1	Scaffold1756	172	TT	GG	1940501540
SNP_P1_238927_372	NW_004516875.1	Scaffold1756	372	GG	AA	1940501542
SNP_P1_238928_922	NW_004516875.1	Scaffold1756	922	TT	AA	1940501544

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_238929_937	NW_004516875.1	Scaffold1756	937	GG	TT	1940501546
SNP_P1_238930_974	NW_004516875.1	Scaffold1756	974	CC	TT	1940501548
SNP_P1_238931_1351	NW_004516875.1	Scaffold1756	1351	GG	AA	1940501550
SNP_P1_238932_4095	NW_004516875.1	Scaffold1756	4095	CC	GG	1940501553
SNP_P1_238933_4677	NW_004516875.1	Scaffold1756	4677	GG	AA	1940501555
SNP_P1_238934_4787	NW_004516875.1	Scaffold1756	4787	GG	AA	1940501557
SNP_P1_238935_5156	NW_004516875.1	Scaffold1756	5156	CC	TT	1940501559
SNP_P1_238937_6600	NW_004516875.1	Scaffold1756	6600	CC	TT	1940501561
SNP_P1_238938_7154	NW_004516875.1	Scaffold1756	7154	AA	TT	1940501563
SNP_P1_238939_7214	NW_004516875.1	Scaffold1756	7214	GG	AA	1940501565
SNP_P1_238940_43588	NW_004516875.1	Scaffold1756	43588	AA	CC	1940501567
SNP_P1_238942_43979	NW_004516875.1	Scaffold1756	43979	AA	GG	1940501570
SNP_P1_238946_71599	NW_004516875.1	Scaffold1756	71599	GG	TT	1940501572
SNP_P1_238947_78372	NW_004516875.1	Scaffold1756	78372	GG	AA	1940501574
SNP_P1_238948_86108	NW_004516875.1	Scaffold1756	86108	CC	AA	1940501576
SNP_P1_238949_86525	NW_004516875.1	Scaffold1756	86525	GG	CC	1940501578
SNP_P1_238950_86544	NW_004516875.1	Scaffold1756	86544	AA	GG	1940501580
SNP_P1_238951_89108	NW_004516875.1	Scaffold1756	89108	AA	CC	1940501583
SNP_P1_238952_104194	NW_004516875.1	Scaffold1756	104194	TT	AA	1940501585
SNP_P1_238953_104201	NW_004516875.1	Scaffold1756	104201	AA	TT	1940501587
SNP_P1_238954_128163	NW_004516875.1	Scaffold1756	128163	TT	CC	1940501589
SNP_P1_238955_520	NW_004516876.1	Scaffold1757	520	TT	CC	1940501591
SNP_P1_238956_697	NW_004516876.1	Scaffold1757	697	GG	AA	1940501593
SNP_P1_238957_796	NW_004516876.1	Scaffold1757	796	AA	CC	1940501595
SNP_P1_238958_1093	NW_004516876.1	Scaffold1757	1093	GG	AA	1940501597
SNP_P1_238960_1158	NW_004516876.1	Scaffold1757	1158	CC	TT	1940501600
SNP_P1_238962_1271	NW_004516876.1	Scaffold1757	1271	GG	AA	1940501602
SNP_P1_238963_1272	NW_004516876.1	Scaffold1757	1272	CC	TT	1940501604
SNP_P1_238964_1306	NW_004516876.1	Scaffold1757	1306	AA	TT	1940501606
SNP_P1_238965_1307	NW_004516876.1	Scaffold1757	1307	TT	AA	1940501608
SNP_P1_238966_1805	NW_004516876.1	Scaffold1757	1805	GG	AA	1940501610
SNP_P1_238967_1863	NW_004516876.1	Scaffold1757	1863	TT	AA	1940501612
SNP_P1_238968_1938	NW_004516876.1	Scaffold1757	1938	TT	GG	1940501614
SNP_P1_238969_1946	NW_004516876.1	Scaffold1757	1946	CC	TT	1940501617
SNP_P1_238970_2071	NW_004516876.1	Scaffold1757	2071	TT	GG	1940501619
SNP_P1_238971_2092	NW_004516876.1	Scaffold1757	2092	AA	CC	1940501621
SNP_P1_238972_2123	NW_004516876.1	Scaffold1757	2123	GG	AA	1940501623
SNP_P1_238973_2178	NW_004516876.1	Scaffold1757	2178	AA	TT	1940501625
SNP_P1_238974_2372	NW_004516876.1	Scaffold1757	2372	AA	GG	1940501627
SNP_P1_238975_2406	NW_004516876.1	Scaffold1757	2406	TT	AA	1940501629
SNP_P1_238976_16415	NW_004516876.1	Scaffold1757	16415	TT	CC	1940501631
SNP_P1_238977_16418	NW_004516876.1	Scaffold1757	16418	TT	CC	1940501634

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_238979_16576	NW_004516876.1	Scaffold1757	16576	AA	GG	1940501638
SNP_P1_238980_16787	NW_004516876.1	Scaffold1757	16787	AA	GG	1940501640
SNP_P1_238981_16809	NW_004516876.1	Scaffold1757	16809	AA	GG	1940501642
SNP_P1_238982_16840	NW_004516876.1	Scaffold1757	16840	TT	AA	1940501644
SNP_P1_238983_27829	NW_004516876.1	Scaffold1757	27829	CC	AA	1940501646
SNP_P1_238984_30415	NW_004516876.1	Scaffold1757	30415	AA	GG	1940501648
SNP_P1_238985_31732	NW_004516876.1	Scaffold1757	31732	AA	CC	1940501651
SNP_P1_238986_31742	NW_004516876.1	Scaffold1757	31742	TT	AA	1940501653
SNP_P1_238988_62362	NW_004516876.1	Scaffold1757	62362	CC	TT	1940501655
SNP_P1_238990_87997	NW_004516876.1	Scaffold1757	87997	TT	AA	1940501657
SNP_P1_238991_145622	NW_004516876.1	Scaffold1757	145622	AA	TT	1940501659
SNP_P1_238992_151638	NW_004516876.1	Scaffold1757	151638	CC	TT	1940501661
SNP_P1_238993_151841	NW_004516876.1	Scaffold1757	151841	CC	AA	1940501663
SNP_P1_238994_1099	NW_004516877.1	Scaffold1761	1099	CC	TT	1940501665
SNP_P1_238995_3627	NW_004516877.1	Scaffold1761	3627	CC	TT	1940501668
SNP_P1_238996_3883	NW_004516877.1	Scaffold1761	3883	TT	CC	1940501670
SNP_P1_238997_3909	NW_004516877.1	Scaffold1761	3909	CC	TT	1940501672
SNP_P1_238998_3915	NW_004516877.1	Scaffold1761	3915	AA	CC	1940501674
SNP_P1_238999_3923	NW_004516877.1	Scaffold1761	3923	GG	TT	1940501677
SNP_P1_239000_4005	NW_004516877.1	Scaffold1761	4005	AA	CC	1940501679
SNP_P1_239001_4014	NW_004516877.1	Scaffold1761	4014	TT	CC	1940501681
SNP_P1_239002_4046	NW_004516877.1	Scaffold1761	4046	GG	AA	1940501683
SNP_P1_239003_4140	NW_004516877.1	Scaffold1761	4140	AA	GG	1940501685
SNP_P1_239004_4262	NW_004516877.1	Scaffold1761	4262	CC	AA	1940501687
SNP_P1_239005_4266	NW_004516877.1	Scaffold1761	4266	AA	CC	1940501689
SNP_P1_239006_4284	NW_004516877.1	Scaffold1761	4284	GG	TT	1940501691
SNP_P1_239007_4294	NW_004516877.1	Scaffold1761	4294	TT	CC	1940501694
SNP_P1_239008_4352	NW_004516877.1	Scaffold1761	4352	TT	AA	1940501696
SNP_P1_239009_10869	NW_004516877.1	Scaffold1761	10869	AA	GG	1940501698
SNP_P1_239010_10915	NW_004516877.1	Scaffold1761	10915	CC	TT	1940501700
SNP_P1_239011_10919	NW_004516877.1	Scaffold1761	10919	CC	TT	1940501702
SNP_P1_239012_11075	NW_004516877.1	Scaffold1761	11075	AA	CC	1940501704
SNP_P1_239013_11170	NW_004516877.1	Scaffold1761	11170	AA	TT	1940501706
SNP_P1_239014_11320	NW_004516877.1	Scaffold1761	11320	TT	CC	1940501708
SNP_P1_239015_11372	NW_004516877.1	Scaffold1761	11372	TT	CC	1940501711
SNP_P1_239016_11415	NW_004516877.1	Scaffold1761	11415	TT	AA	1940501713
SNP_P1_239017_16761	NW_004516877.1	Scaffold1761	16761	TT	AA	1940501715
SNP_P1_239018_30289	NW_004516877.1	Scaffold1761	30289	AA	TT	1940501717
SNP_P1_239020_41510	NW_004516877.1	Scaffold1761	41510	GG	AA	1940501719
SNP_P1_239021_43815	NW_004516877.1	Scaffold1761	43815	CC	TT	1940501721
SNP_P1_239022_43818	NW_004516877.1	Scaffold1761	43818	TT	CC	1940501723

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239024_62846	NW_004516877.1	Scaffold1761	62846	GG	TT	1940501728
SNP_P1_239026_2220	NW_004516879.1	Scaffold1763	2220	CC	TT	1940501730
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SNP_P1_239028_3064	NW_004516879.1	Scaffold1763	3064	TT	GG	1940501734
SNP_P1_239029_3067	NW_004516879.1	Scaffold1763	3067	TT	AA	1940501736
SNP_P1_239030_3073	NW_004516879.1	Scaffold1763	3073	GG	TT	1940501738
SNP_P1_239031_3610	NW_004516879.1	Scaffold1763	3610	CC	TT	1940501740
SNP_P1_239032_8063	NW_004516879.1	Scaffold1763	8063	TT	CC	1940501742
SNP_P1_239033_8134	NW_004516879.1	Scaffold1763	8134	CC	TT	1940501745
SNP_P1_239034_8159	NW_004516879.1	Scaffold1763	8159	TT	GG	1940501747
SNP_P1_239035_8428	NW_004516879.1	Scaffold1763	8428	AA	CC	1940501749
SNP_P1_239036_8481	NW_004516879.1	Scaffold1763	8481	TT	CC	1940501751
SNP_P1_239038_10512	NW_004516879.1	Scaffold1763	10512	CC	TT	1940501753
SNP_P1_239039_10514	NW_004516879.1	Scaffold1763	10514	AA	GG	1940501755
SNP_P1_239040_10517	NW_004516879.1	Scaffold1763	10517	GG	TT	1940501757
SNP_P1_239041_10528	NW_004516879.1	Scaffold1763	10528	AA	GG	1940501760
SNP_P1_239042_10551	NW_004516879.1	Scaffold1763	10551	AA	GG	1940501762
SNP_P1_239043_10578	NW_004516879.1	Scaffold1763	10578	AA	CC	1940501764
SNP_P1_239044_10595	NW_004516879.1	Scaffold1763	10595	AA	CC	1940501766
SNP_P1_239045_10632	NW_004516879.1	Scaffold1763	10632	AA	GG	1940501768
SNP_P1_239046_10641	NW_004516879.1	Scaffold1763	10641	CC	TT	1940501770
SNP_P1_239047_19194	NW_004516879.1	Scaffold1763	19194	TT	CC	1940501772
SNP_P1_239048_19222	NW_004516879.1	Scaffold1763	19222	CC	GG	1940501774
SNP_P1_239049_19252	NW_004516879.1	Scaffold1763	19252	AA	CC	1940501777
SNP_P1_239050_19261	NW_004516879.1	Scaffold1763	19261	AA	TT	1940501779
SNP_P1_239051_19425	NW_004516879.1	Scaffold1763	19425	AA	CC	1940501781
SNP_P1_239052_19459	NW_004516879.1	Scaffold1763	19459	TT	AA	1940501783
SNP_P1_239053_19460	NW_004516879.1	Scaffold1763	19460	CC	AA	1940501785
SNP_P1_239054_19461	NW_004516879.1	Scaffold1763	19461	AA	CC	1940501787
SNP_P1_239055_491	NW_004516880.1	Scaffold1767	491	AA	GG	1940501789
SNP_P1_239056_690	NW_004516880.1	Scaffold1767	690	TT	CC	1940501792
SNP_P1_239057_814	NW_004516880.1	Scaffold1767	814	GG	TT	1940501794
SNP_P1_239058_1306	NW_004516880.1	Scaffold1767	1306	AA	CC	1940501796
SNP_P1_239059_6091	NW_004516880.1	Scaffold1767	6091	GG	AA	1940501798
SNP_P1_239060_6920	NW_004516880.1	Scaffold1767	6920	AA	GG	1940501800
SNP_P1_239061_7051	NW_004516880.1	Scaffold1767	7051	AA	GG	1940501802
SNP_P1_239062_7161	NW_004516880.1	Scaffold1767	7161	GG	AA	1940501804
SNP_P1_239063_8910	NW_004516880.1	Scaffold1767	8910	TT	CC	1940501806
SNP_P1_239064_8923	NW_004516880.1	Scaffold1767	8923	GG	AA	1940501809
SNP_P1_239065_11868	NW_004516880.1	Scaffold1767	11868	AA	TT	1940501811
SNP_P1_239066_15112	NW_004516880.1	Scaffold1767	15112	GG	AA	1940501813

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239068_16736	NW_004516880.1	Scaffold1767	16736	AA	TT	1940501817
SNP_P1_239069_17945	NW_004516880.1	Scaffold1767	17945	TT	AA	1940501819
SNP_P1_239070_18014	NW_004516880.1	Scaffold1767	18014	CC	TT	1940501821
SNP_P1_239071_18059	NW_004516880.1	Scaffold1767	18059	AA	GG	1940501823
SNP_P1_239072_18071	NW_004516880.1	Scaffold1767	18071	TT	GG	1940501826
SNP_P1_239073_18270	NW_004516880.1	Scaffold1767	18270	CC	TT	1940501831
SNP_P1_239074_18483	NW_004516880.1	Scaffold1767	18483	GG	AA	1940501833
SNP_P1_239075_18498	NW_004516880.1	Scaffold1767	18498	TT	AA	1940501836
SNP_P1_239076_18548	NW_004516880.1	Scaffold1767	18548	GG	AA	1940501838
SNP_P1_239077_18877	NW_004516880.1	Scaffold1767	18877	CC	AA	1940501840
SNP_P1_239078_25238	NW_004516880.1	Scaffold1767	25238	TT	GG	1940501842
SNP_P1_239079_25542	NW_004516880.1	Scaffold1767	25542	CC	TT	1940501844
SNP_P1_239081_31426	NW_004516880.1	Scaffold1767	31426	CC	TT	1940501846
SNP_P1_239083_31487	NW_004516880.1	Scaffold1767	31487	CC	TT	1940501848
SNP_P1_239084_31515	NW_004516880.1	Scaffold1767	31515	AA	TT	1940501850
SNP_P1_239085_31661	NW_004516880.1	Scaffold1767	31661	GG	AA	1940501853
SNP_P1_239086_32310	NW_004516880.1	Scaffold1767	32310	AA	TT	1940501855
SNP_P1_239087_36710	NW_004516880.1	Scaffold1767	36710	CC	TT	1940501857
SNP_P1_239088_38658	NW_004516880.1	Scaffold1767	38658	AA	GG	1940501859
SNP_P1_239089_41665	NW_004516880.1	Scaffold1767	41665	GG	TT	1940501861
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SNP_P1_239092_68497	NW_004516880.1	Scaffold1767	68497	CC	AA	1940501865
SNP_P1_239093_68569	NW_004516880.1	Scaffold1767	68569	AA	TT	1940501867
SNP_P1_239094_316	NW_004516881.1	Scaffold1768	316	GG	TT	1940501870
SNP_P1_239095_619	NW_004516881.1	Scaffold1768	619	CC	TT	1940501872
SNP_P1_239096_929	NW_004516881.1	Scaffold1768	929	TT	CC	1940501874
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SNP_P1_239098_1393	NW_004516881.1	Scaffold1768	1393	GG	AA	1940501878
SNP_P1_239099_1467	NW_004516881.1	Scaffold1768	1467	CC	TT	1940501880
SNP_P1_239100_1522	NW_004516881.1	Scaffold1768	1522	CC	TT	1940501882
SNP_P1_239101_1548	NW_004516881.1	Scaffold1768	1548	AA	GG	1940501884
SNP_P1_239102_1752	NW_004516881.1	Scaffold1768	1752	TT	CC	1940501887
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SNP_P1_239104_1894	NW_004516881.1	Scaffold1768	1894	TT	GG	1940501891
SNP_P1_239105_10217	NW_004516881.1	Scaffold1768	10217	AA	CC	1940501893
SNP_P1_239106_10240	NW_004516881.1	Scaffold1768	10240	CC	TT	1940501895
SNP_P1_239107_10439	NW_004516881.1	Scaffold1768	10439	CC	AA	1940501897
SNP_P1_239108_12517	NW_004516881.1	Scaffold1768	12517	TT	AA	1940501899
SNP_P1_239109_12690	NW_004516881.1	Scaffold1768	12690	AA	CC	1940501901
SNP_P1_239110_12772	NW_004516881.1	Scaffold1768	12772	CC	AA	1940501904
SNP_P1_239112_13108	NW_004516881.1	Scaffold1768	13108	GG	CC	1940501906

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239115_23020	NW_004516881.1	Scaffold1768	23020	CC	GG	1940501912
SNP_P1_239116_23148	NW_004516881.1	Scaffold1768	23148	CC	GG	1940501914
SNP_P1_239117_23184	NW_004516881.1	Scaffold1768	23184	CC	GG	1940501916
SNP_P1_239118_23226	NW_004516881.1	Scaffold1768	23226	TT	GG	1940501919
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SNP_P1_239121_29046	NW_004516881.1	Scaffold1768	29046	CC	GG	1940501925
SNP_P1_239122_29427	NW_004516881.1	Scaffold1768	29427	TT	CC	1940501927
SNP_P1_239123_29712	NW_004516881.1	Scaffold1768	29712	TT	GG	1940501929
SNP_P1_239124_29747	NW_004516881.1	Scaffold1768	29747	AA	CC	1940501931
SNP_P1_239125_29849	NW_004516881.1	Scaffold1768	29849	GG	AA	1940501933
SNP_P1_239126_29893	NW_004516881.1	Scaffold1768	29893	GG	AA	1940501936
SNP_P1_239127_29901	NW_004516881.1	Scaffold1768	29901	TT	CC	1940501938
SNP_P1_239128_29969	NW_004516881.1	Scaffold1768	29969	CC	GG	1940501940
SNP_P1_239129_30159	NW_004516881.1	Scaffold1768	30159	TT	CC	1940501942
SNP_P1_239130_38125	NW_004516881.1	Scaffold1768	38125	GG	AA	1940501944
SNP_P1_239131_38165	NW_004516881.1	Scaffold1768	38165	TT	AA	1940501946
SNP_P1_239132_3377	NW_004516882.1	Scaffold1769	3377	GG	AA	1940501948
SNP_P1_239133_3407	NW_004516882.1	Scaffold1769	3407	AA	GG	1940501950
SNP_P1_239134_3608	NW_004516882.1	Scaffold1769	3608	TT	GG	1940501953
SNP_P1_239135_3705	NW_004516882.1	Scaffold1769	3705	TT	AA	1940501955
SNP_P1_239136_3724	NW_004516882.1	Scaffold1769	3724	AA	TT	1940501957
SNP_P1_239137_3725	NW_004516882.1	Scaffold1769	3725	TT	GG	1940501959
SNP_P1_239138_4198	NW_004516882.1	Scaffold1769	4198	CC	GG	1940501961
SNP_P1_239139_3411	NW_004516884.1	Scaffold1771	3411	CC	AA	1940501963
SNP_P1_239140_4579	NW_004516884.1	Scaffold1771	4579	GG	TT	1940501965
SNP_P1_239141_5731	NW_004516884.1	Scaffold1771	5731	AA	GG	1940501968
SNP_P1_239142_5740	NW_004516884.1	Scaffold1771	5740	TT	GG	1940501970
SNP_P1_239143_5774	NW_004516884.1	Scaffold1771	5774	CC	TT	1940501972
SNP_P1_239144_5886	NW_004516884.1	Scaffold1771	5886	TT	CC	1940501974
SNP_P1_239145_5896	NW_004516884.1	Scaffold1771	5896	TT	CC	1940501976
SNP_P1_239146_5905	NW_004516884.1	Scaffold1771	5905	GG	AA	1940501978
SNP_P1_239147_5923	NW_004516884.1	Scaffold1771	5923	CC	TT	1940501980
SNP_P1_239148_5941	NW_004516884.1	Scaffold1771	5941	TT	CC	1940501982
SNP_P1_239149_6894	NW_004516884.1	Scaffold1771	6894	CC	TT	1940501985
SNP_P1_239150_6902	NW_004516884.1	Scaffold1771	6902	CC	AA	1940501987
SNP_P1_239151_7083	NW_004516884.1	Scaffold1771	7083	TT	CC	1940501989
SNP_P1_239152_7104	NW_004516884.1	Scaffold1771	7104	GG	TT	1940501991
SNP_P1_239153_10829	NW_004516884.1	Scaffold1771	10829	GG	AA	1940501993
SNP_P1_239154_10971	NW_004516884.1	Scaffold1771	10971	GG	AA	1940501995

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_239155_15808	NW_004516884.1	Scaffold1771	15808	AA	TT	1940501997
SNP_P1_239156_22282	NW_004516884.1	Scaffold1771	22282	GG	TT	1940501999
SNP_P1_239157_24289	NW_004516884.1	Scaffold1771	24289	TT	GG	1940502002
SNP_P1_239158_35281	NW_004516884.1	Scaffold1771	35281	GG	AA	1940502004
SNP_P1_239159_73803	NW_004516884.1	Scaffold1771	73803	AA	CC	1940502006
SNP_P1_239160_76742	NW_004516884.1	Scaffold1771	76742	TT	CC	1940502008
SNP_P1_239162_83455	NW_004516884.1	Scaffold1771	83455	CC	TT	1940502010
SNP_P1_239163_83491	NW_004516884.1	Scaffold1771	83491	AA	GG	1940502012
SNP_P1_239164_83811	NW_004516884.1	Scaffold1771	83811	TT	CC	1940502014
SNP_P1_239165_126543	NW_004516884.1	Scaffold1771	126543	TT	CC	1940502016
SNP_P1_239166_131466	NW_004516884.1	Scaffold1771	131466	CC	TT	1940502019
SNP_P1_239167_847	NW_004516886.1	Scaffold1773	847	TT	AA	1940502021
SNP_P1_239168_2403	NW_004516886.1	Scaffold1773	2403	CC	AA	1940502023
SNP_P1_239169_2942	NW_004516886.1	Scaffold1773	2942	CC	TT	1940502025
SNP_P1_239170_3311	NW_004516886.1	Scaffold1773	3311	TT	GG	1940502027
SNP_P1_239171_4498	NW_004516886.1	Scaffold1773	4498	TT	CC	1940502029
SNP_P1_239172_4827	NW_004516886.1	Scaffold1773	4827	TT	CC	1940502031
SNP_P1_239173_5390	NW_004516886.1	Scaffold1773	5390	GG	TT	1940502033
SNP_P1_239174_6884	NW_004516886.1	Scaffold1773	6884	CC	AA	1940502036
SNP_P1_239175_6917	NW_004516886.1	Scaffold1773	6917	AA	GG	1940502038
SNP_P1_239176_8102	NW_004516886.1	Scaffold1773	8102	AA	TT	1940502040
SNP_P1_239177_8558	NW_004516886.1	Scaffold1773	8558	TT	AA	1940502042
SNP_P1_239178_8644	NW_004516886.1	Scaffold1773	8644	AA	GG	1940502044
SNP_P1_239179_8762	NW_004516886.1	Scaffold1773	8762	AA	TT	1940502046
SNP_P1_239180_8778	NW_004516886.1	Scaffold1773	8778	AA	GG	1940502048
SNP_P1_239181_8779	NW_004516886.1	Scaffold1773	8779	AA	GG	1940502050
SNP_P1_239182_8782	NW_004516886.1	Scaffold1773	8782	GG	AA	1940502053
SNP_P1_239183_9108	NW_004516886.1	Scaffold1773	9108	AA	TT	1940502055
SNP_P1_239184_9344	NW_004516886.1	Scaffold1773	9344	TT	CC	1940502057
SNP_P1_239185_9721	NW_004516886.1	Scaffold1773	9721	TT	AA	1940502059
SNP_P1_239186_9876	NW_004516886.1	Scaffold1773	9876	TT	AA	1940502061
SNP_P1_239187_10032	NW_004516886.1	Scaffold1773	10032	CC	TT	1940502063
SNP_P1_239189_10551	NW_004516886.1	Scaffold1773	10551	TT	CC	1940502065
SNP_P1_239190_10552	NW_004516886.1	Scaffold1773	10552	CC	AA	1940502067
SNP_P1_239191_10555	NW_004516886.1	Scaffold1773	10555	AA	GG	1940502070
SNP_P1_239192_10805	NW_004516886.1	Scaffold1773	10805	AA	GG	1940502072
SNP_P1_239193_10831	NW_004516886.1	Scaffold1773	10831	CC	AA	1940502074
SNP_P1_239194_11832	NW_004516886.1	Scaffold1773	11832	TT	AA	1940502076
SNP_P1_239195_12696	NW_004516886.1	Scaffold1773	12696	GG	TT	1940502078
SNP_P1_239196_13397	NW_004516886.1	Scaffold1773	13397	TT	AA	1940502080
SNP_P1_239197_13403	NW_004516886.1	Scaffold1773	13403	AA	GG	1940502082
SNP_P1_239198_13406	NW_004516886.1	Scaffold1773	13406	CC	GG	1940502084

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_239199_13414	NW_004516886.1	Scaffold1773	13414	GG	AA	1940502087
SNP_P1_239200_13418	NW_004516886.1	Scaffold1773	13418	GG	AA	1940502089
SNP_P1_239201_13422	NW_004516886.1	Scaffold1773	13422	CC	AA	1940502091
SNP_P1_239202_13424	NW_004516886.1	Scaffold1773	13424	GG	AA	1940502093
SNP_P1_239203_13438	NW_004516886.1	Scaffold1773	13438	CC	TT	1940502095
SNP_P1_239204_14182	NW_004516886.1	Scaffold1773	14182	GG	AA	1940502097
SNP_P1_239205_15671	NW_004516886.1	Scaffold1773	15671	CC	TT	1940502099
SNP_P1_239206_15718	NW_004516886.1	Scaffold1773	15718	TT	AA	1940502102
SNP_P1_239207_15880	NW_004516886.1	Scaffold1773	15880	GG	CC	1940502104
SNP_P1_239208_15954	NW_004516886.1	Scaffold1773	15954	TT	CC	1940502106
SNP_P1_239209_16001	NW_004516886.1	Scaffold1773	16001	AA	TT	1940502108
SNP_P1_239210_16043	NW_004516886.1	Scaffold1773	16043	AA	TT	1940502110
SNP_P1_239211_16224	NW_004516886.1	Scaffold1773	16224	GG	TT	1940502112
SNP_P1_239212_16309	NW_004516886.1	Scaffold1773	16309	GG	AA	1940502115
SNP_P1_239213_16316	NW_004516886.1	Scaffold1773	16316	AA	TT	1940502117
SNP_P1_239214_16390	NW_004516886.1	Scaffold1773	16390	AA	GG	1940502119
SNP_P1_239215_16537	NW_004516886.1	Scaffold1773	16537	TT	CC	1940502121
SNP_P1_239216_16760	NW_004516886.1	Scaffold1773	16760	TT	AA	1940502124
SNP_P1_239217_17822	NW_004516886.1	Scaffold1773	17822	GG	AA	1940502126
SNP_P1_239218_18104	NW_004516886.1	Scaffold1773	18104	CC	GG	1940502128
SNP_P1_239219_18124	NW_004516886.1	Scaffold1773	18124	AA	TT	1940502130
SNP_P1_239220_18144	NW_004516886.1	Scaffold1773	18144	GG	AA	1940502132
SNP_P1_239221_18150	NW_004516886.1	Scaffold1773	18150	TT	GG	1940502134
SNP_P1_239222_18171	NW_004516886.1	Scaffold1773	18171	CC	AA	1940502136
SNP_P1_239223_18172	NW_004516886.1	Scaffold1773	18172	CC	TT	1940502138
SNP_P1_239224_19279	NW_004516886.1	Scaffold1773	19279	CC	AA	1940502141
SNP_P1_239225_19317	NW_004516886.1	Scaffold1773	19317	CC	GG	1940502143
SNP_P1_239226_19329	NW_004516886.1	Scaffold1773	19329	TT	AA	1940502145
SNP_P1_239227_19338	NW_004516886.1	Scaffold1773	19338	CC	AA	1940502147
SNP_P1_239228_19344	NW_004516886.1	Scaffold1773	19344	TT	CC	1940502149
SNP_P1_239229_19348	NW_004516886.1	Scaffold1773	19348	GG	AA	1940502151
SNP_P1_239230_19359	NW_004516886.1	Scaffold1773	19359	TT	AA	1940502153
SNP_P1_239231_21688	NW_004516886.1	Scaffold1773	21688	AA	GG	1940502156
SNP_P1_239232_21689	NW_004516886.1	Scaffold1773	21689	GG	AA	1940502158
SNP_P1_239233_21724	NW_004516886.1	Scaffold1773	21724	TT	GG	1940502160
SNP_P1_239234_21739	NW_004516886.1	Scaffold1773	21739	CC	TT	1940502162
SNP_P1_239235_26029	NW_004516886.1	Scaffold1773	26029	AA	GG	1940502164
SNP_P1_239236_26089	NW_004516886.1	Scaffold1773	26089	AA	GG	1940502166
SNP_P1_239237_26107	NW_004516886.1	Scaffold1773	26107	CC	AA	1940502168
SNP_P1_239238_28354	NW_004516886.1	Scaffold1773	28354	CC	GG	1940502170
SNP_P1_239239_28407	NW_004516886.1	Scaffold1773	28407	CC	TT	1940502173
SNP_P1_239240_28769	NW_004516886.1	Scaffold1773	28769	CC	AA	1940502175

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239243_31139	NW_004516886.1	Scaffold1773	31139	AA	GG	1940502181
SNP_P1_239244_32256	NW_004516886.1	Scaffold1773	32256	CC	TT	1940502183
SNP_P1_239245_32328	NW_004516886.1	Scaffold1773	32328	GG	AA	1940502185
SNP_P1_239246_32977	NW_004516886.1	Scaffold1773	32977	CC	TT	1940502188
SNP_P1_239247_33041	NW_004516886.1	Scaffold1773	33041	CC	AA	1940502190
SNP_P1_239248_33955	NW_004516886.1	Scaffold1773	33955	AA	TT	1940502192
SNP_P1_239249_35303	NW_004516886.1	Scaffold1773	35303	CC	TT	1940502194
SNP_P1_239250_35438	NW_004516886.1	Scaffold1773	35438	TT	CC	1940502196
SNP_P1_239251_35543	NW_004516886.1	Scaffold1773	35543	GG	AA	1940502198
SNP_P1_239252_35674	NW_004516886.1	Scaffold1773	35674	TT	CC	1940502200
SNP_P1_239253_40890	NW_004516886.1	Scaffold1773	40890	GG	AA	1940502202
SNP_P1_239254_49140	NW_004516886.1	Scaffold1773	49140	CC	AA	1940502205
SNP_P1_239255_6197	NW_004516888.1	Scaffold1776	6197	CC	TT	1940502207
SNP_P1_239256_16234	NW_004516888.1	Scaffold1776	16234	TT	CC	1940502209
SNP_P1_239257_16283	NW_004516888.1	Scaffold1776	16283	AA	CC	1940502211
SNP_P1_239258_16309	NW_004516888.1	Scaffold1776	16309	AA	GG	1940502213
SNP_P1_239259_16317	NW_004516888.1	Scaffold1776	16317	TT	CC	1940502215
SNP_P1_239260_16515	NW_004516888.1	Scaffold1776	16515	TT	CC	1940502217
SNP_P1_239261_16544	NW_004516888.1	Scaffold1776	16544	TT	CC	1940502219
SNP_P1_239262_16643	NW_004516888.1	Scaffold1776	16643	CC	TT	1940502222
SNP_P1_239263_23371	NW_004516888.1	Scaffold1776	23371	AA	TT	1940502224
SNP_P1_239264_23437	NW_004516888.1	Scaffold1776	23437	TT	AA	1940502226
SNP_P1_239265_23453	NW_004516888.1	Scaffold1776	23453	TT	AA	1940502228
SNP_P1_239266_23458	NW_004516888.1	Scaffold1776	23458	GG	AA	1940502230
SNP_P1_239267_23464	NW_004516888.1	Scaffold1776	23464	GG	AA	1940502232
SNP_P1_239268_23550	NW_004516888.1	Scaffold1776	23550	TT	AA	1940502234
SNP_P1_239270_23569	NW_004516888.1	Scaffold1776	23569	AA	GG	1940502236
SNP_P1_239271_23793	NW_004516888.1	Scaffold1776	23793	GG	AA	1940502239
SNP_P1_239272_23855	NW_004516888.1	Scaffold1776	23855	GG	CC	1940502241
SNP_P1_239273_23955	NW_004516888.1	Scaffold1776	23955	GG	AA	1940502243
SNP_P1_239274_25004	NW_004516888.1	Scaffold1776	25004	AA	TT	1940502245
SNP_P1_239275_25021	NW_004516888.1	Scaffold1776	25021	TT	GG	1940502247
SNP_P1_239277_25466	NW_004516888.1	Scaffold1776	25466	AA	TT	1940502249
SNP_P1_239278_26660	NW_004516888.1	Scaffold1776	26660	AA	TT	1940502251
SNP_P1_239279_27241	NW_004516888.1	Scaffold1776	27241	TT	AA	1940502254
SNP_P1_239280_27256	NW_004516888.1	Scaffold1776	27256	GG	TT	1940502256
SNP_P1_239281_27277	NW_004516888.1	Scaffold1776	27277	TT	CC	1940502258
SNP_P1_239282_27287	NW_004516888.1	Scaffold1776	27287	CC	TT	1940502260
SNP_P1_239283_27288	NW_004516888.1	Scaffold1776	27288	TT	GG	1940502262
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239287_22254	NW_004516889.1	Scaffold1777	22254	CC	GG	1940502271
SNP_P1_239288_22306	NW_004516889.1	Scaffold1777	22306	AA	GG	1940502273
SNP_P1_239289_22335	NW_004516889.1	Scaffold1777	22335	GG	AA	1940502275
SNP_P1_239290_22385	NW_004516889.1	Scaffold1777	22385	TT	AA	1940502277
SNP_P1_239291_22444	NW_004516889.1	Scaffold1777	22444	AA	TT	1940502279
SNP_P1_239292_22451	NW_004516889.1	Scaffold1777	22451	GG	AA	1940502281
SNP_P1_239293_22626	NW_004516889.1	Scaffold1777	22626	AA	GG	1940502283
SNP_P1_239294_22809	NW_004516889.1	Scaffold1777	22809	AA	GG	1940502285
SNP_P1_239295_22844	NW_004516889.1	Scaffold1777	22844	TT	CC	1940502288
SNP_P1_239296_22857	NW_004516889.1	Scaffold1777	22857	TT	CC	1940502290
SNP_P1_239297_22873	NW_004516889.1	Scaffold1777	22873	GG	CC	1940502292
SNP_P1_239299_60715	NW_004516889.1	Scaffold1777	60715	CC	TT	1940502294
SNP_P1_239300_70396	NW_004516889.1	Scaffold1777	70396	CC	TT	1940502296
SNP_P1_239301_83380	NW_004516889.1	Scaffold1777	83380	CC	TT	1940502298
SNP_P1_239302_103720	NW_004516889.1	Scaffold1777	103720	AA	GG	1940502300
SNP_P1_239304_103874	NW_004516889.1	Scaffold1777	103874	TT	CC	1940502302
SNP_P1_239305_104197	NW_004516889.1	Scaffold1777	104197	GG	AA	1940502305
SNP_P1_239306_104242	NW_004516889.1	Scaffold1777	104242	CC	TT	1940502307
SNP_P1_239307_104295	NW_004516889.1	Scaffold1777	104295	CC	TT	1940502309
SNP_P1_239308_105193	NW_004516889.1	Scaffold1777	105193	GG	AA	1940502311
SNP_P1_239309_105197	NW_004516889.1	Scaffold1777	105197	AA	GG	1940502313
SNP_P1_239310_113313	NW_004516889.1	Scaffold1777	113313	TT	CC	1940502315
SNP_P1_239311_114217	NW_004516889.1	Scaffold1777	114217	TT	GG	1940502317
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SNP_P1_239314_114314	NW_004516889.1	Scaffold1777	114314	CC	GG	1940502324
SNP_P1_239315_114358	NW_004516889.1	Scaffold1777	114358	CC	TT	1940502326
SNP_P1_239316_126135	NW_004516889.1	Scaffold1777	126135	AA	GG	1940502328
SNP_P1_239318_147376	NW_004516889.1	Scaffold1777	147376	CC	GG	1940502330
SNP_P1_239319_182099	NW_004516889.1	Scaffold1777	182099	GG	TT	1940502332
SNP_P1_239320_182698	NW_004516889.1	Scaffold1777	182698	TT	CC	1940502334
SNP_P1_239321_186979	NW_004516889.1	Scaffold1777	186979	GG	AA	1940502337
SNP_P1_239323_192781	NW_004516889.1	Scaffold1777	192781	AA	GG	1940502339
SNP_P1_239324_234012	NW_004516889.1	Scaffold1777	234012	AA	GG	1940502341
SNP_P1_239325_273166	NW_004516889.1	Scaffold1777	273166	GG	AA	1940502343
SNP_P1_239326_273175	NW_004516889.1	Scaffold1777	273175	AA	GG	1940502345
SNP_P1_239327_273184	NW_004516889.1	Scaffold1777	273184	TT	CC	1940502347
SNP_P1_239328_273868	NW_004516889.1	Scaffold1777	273868	TT	CC	1940502349
SNP_P1_239330_282895	NW_004516889.1	Scaffold1777	282895	GG	AA	1940502351
SNP_P1_239331_306702	NW_004516889.1	Scaffold1777	306702	AA	CC	1940502354

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239333_340038	NW_004516889.1	Scaffold1777	340038	CC	TT	1940502358
SNP_P1_239334_340048	NW_004516889.1	Scaffold1777	340048	TT	CC	1940502360
SNP_P1_239335_340054	NW_004516889.1	Scaffold1777	340054	TT	GG	1940502362
SNP_P1_239336_340110	NW_004516889.1	Scaffold1777	340110	AA	GG	1940502364
SNP_P1_239337_340443	NW_004516889.1	Scaffold1777	340443	TT	CC	1940502366
SNP_P1_239338_340456	NW_004516889.1	Scaffold1777	340456	CC	TT	1940502369
SNP_P1_239339_342321	NW_004516889.1	Scaffold1777	342321	CC	TT	1940502371
SNP_P1_239340_342381	NW_004516889.1	Scaffold1777	342381	TT	CC	1940502373
SNP_P1_239341_343116	NW_004516889.1	Scaffold1777	343116	CC	TT	1940502375
SNP_P1_239342_343140	NW_004516889.1	Scaffold1777	343140	TT	CC	1940502377
SNP_P1_239343_343164	NW_004516889.1	Scaffold1777	343164	CC	TT	1940502379
SNP_P1_239344_343173	NW_004516889.1	Scaffold1777	343173	CC	TT	1940502381
SNP_P1_239345_343185	NW_004516889.1	Scaffold1777	343185	GG	AA	1940502383
SNP_P1_239346_343228	NW_004516889.1	Scaffold1777	343228	TT	CC	1940502386
SNP_P1_239347_343253	NW_004516889.1	Scaffold1777	343253	AA	GG	1940502388
SNP_P1_239348_343257	NW_004516889.1	Scaffold1777	343257	AA	GG	1940502390
SNP_P1_239349_343260	NW_004516889.1	Scaffold1777	343260	AA	GG	1940502392
SNP_P1_239350_343269	NW_004516889.1	Scaffold1777	343269	AA	CC	1940502394
SNP_P1_239351_343286	NW_004516889.1	Scaffold1777	343286	GG	AA	1940502396
SNP_P1_239352_343287	NW_004516889.1	Scaffold1777	343287	AA	GG	1940502398
SNP_P1_239353_343330	NW_004516889.1	Scaffold1777	343330	AA	CC	1940502400
SNP_P1_239354_343381	NW_004516889.1	Scaffold1777	343381	CC	TT	1940502403
SNP_P1_239355_343417	NW_004516889.1	Scaffold1777	343417	TT	CC	1940502405
SNP_P1_239356_343438	NW_004516889.1	Scaffold1777	343438	TT	AA	1940502407
SNP_P1_239357_343462	NW_004516889.1	Scaffold1777	343462	AA	GG	1940502409
SNP_P1_239358_343466	NW_004516889.1	Scaffold1777	343466	TT	CC	1940502411
SNP_P1_239359_343484	NW_004516889.1	Scaffold1777	343484	TT	AA	1940502413
SNP_P1_239360_343489	NW_004516889.1	Scaffold1777	343489	TT	CC	1940502415
SNP_P1_239361_343506	NW_004516889.1	Scaffold1777	343506	CC	TT	1940502418
SNP_P1_239362_343513	NW_004516889.1	Scaffold1777	343513	GG	TT	1940502420
SNP_P1_239363_343522	NW_004516889.1	Scaffold1777	343522	AA	GG	1940502422
SNP_P1_239364_343525	NW_004516889.1	Scaffold1777	343525	TT	CC	1940502424
SNP_P1_239365_343537	NW_004516889.1	Scaffold1777	343537	GG	AA	1940502426
SNP_P1_239366_343621	NW_004516889.1	Scaffold1777	343621	GG	AA	1940502428
SNP_P1_239367_347589	NW_004516889.1	Scaffold1777	347589	TT	GG	1940502430
SNP_P1_239368_347601	NW_004516889.1	Scaffold1777	347601	CC	AA	1940502432
SNP_P1_239369_347665	NW_004516889.1	Scaffold1777	347665	CC	TT	1940502435
SNP_P1_239370_347821	NW_004516889.1	Scaffold1777	347821	AA	CC	1940502437
SNP_P1_239371_347827	NW_004516889.1	Scaffold1777	347827	GG	AA	1940502439
SNP_P1_239372_347873	NW_004516889.1	Scaffold1777	347873	GG	AA	1940502441
SNP_P1_239374_348110	NW_004516889.1	Scaffold1777	348110	AA	TT	1940502443

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239376_447175	NW_004516889.1	Scaffold1777	447175	CC	GG	1940502447
SNP_P1_239377_492294	NW_004516889.1	Scaffold1777	492294	AA	CC	1940502449
SNP_P1_239378_492309	NW_004516889.1	Scaffold1777	492309	AA	GG	1940502452
SNP_P1_239379_492339	NW_004516889.1	Scaffold1777	492339	TT	CC	1940502454
SNP_P1_239380_492371	NW_004516889.1	Scaffold1777	492371	TT	CC	1940502456
SNP_P1_239381_492372	NW_004516889.1	Scaffold1777	492372	GG	AA	1940502458
SNP_P1_239382_492382	NW_004516889.1	Scaffold1777	492382	GG	CC	1940502460
SNP_P1_239383_492545	NW_004516889.1	Scaffold1777	492545	TT	CC	1940502462
SNP_P1_239385_518427	NW_004516889.1	Scaffold1777	518427	TT	CC	1940502464
SNP_P1_239386_518894	NW_004516889.1	Scaffold1777	518894	AA	GG	1940502467
SNP_P1_239387_518940	NW_004516889.1	Scaffold1777	518940	TT	CC	1940502469
SNP_P1_239388_518955	NW_004516889.1	Scaffold1777	518955	TT	CC	1940502471
SNP_P1_239389_518970	NW_004516889.1	Scaffold1777	518970	AA	GG	1940502473
SNP_P1_239390_519169	NW_004516889.1	Scaffold1777	519169	TT	GG	1940502475
SNP_P1_239392_551373	NW_004516889.1	Scaffold1777	551373	TT	CC	1940502477
SNP_P1_239393_567365	NW_004516889.1	Scaffold1777	567365	GG	AA	1940502479
SNP_P1_239394_567465	NW_004516889.1	Scaffold1777	567465	CC	TT	1940502481
SNP_P1_239395_569540	NW_004516889.1	Scaffold1777	569540	GG	AA	1940502484
SNP_P1_239396_569614	NW_004516889.1	Scaffold1777	569614	AA	GG	1940502486
SNP_P1_239397_569622	NW_004516889.1	Scaffold1777	569622	AA	CC	1940502488
SNP_P1_239398_569917	NW_004516889.1	Scaffold1777	569917	AA	TT	1940502490
SNP_P1_239399_569923	NW_004516889.1	Scaffold1777	569923	TT	CC	1940502492
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SNP_P1_239402_570158	NW_004516889.1	Scaffold1777	570158	CC	AA	1940502498
SNP_P1_239403_579691	NW_004516889.1	Scaffold1777	579691	TT	CC	1940502501
SNP_P1_239404_579879	NW_004516889.1	Scaffold1777	579879	CC	TT	1940502503
SNP_P1_239405_579901	NW_004516889.1	Scaffold1777	579901	AA	GG	1940502505
SNP_P1_239406_613731	NW_004516889.1	Scaffold1777	613731	AA	GG	1940502507
SNP_P1_239407_613787	NW_004516889.1	Scaffold1777	613787	GG	AA	1940502509
SNP_P1_239408_613810	NW_004516889.1	Scaffold1777	613810	TT	CC	1940502511
SNP_P1_239409_614044	NW_004516889.1	Scaffold1777	614044	TT	CC	1940502513
SNP_P1_239410_614064	NW_004516889.1	Scaffold1777	614064	AA	GG	1940502515
SNP_P1_239411_614145	NW_004516889.1	Scaffold1777	614145	TT	AA	1940502518
SNP_P1_239412_614402	NW_004516889.1	Scaffold1777	614402	AA	GG	1940502520
SNP_P1_239413_614494	NW_004516889.1	Scaffold1777	614494	CC	TT	1940502522
SNP_P1_239414_614511	NW_004516889.1	Scaffold1777	614511	GG	AA	1940502524
SNP_P1_239415_614599	NW_004516889.1	Scaffold1777	614599	TT	GG	1940502526
SNP_P1_239416_614684	NW_004516889.1	Scaffold1777	614684	CC	TT	1940502528
SNP_P1_239417_614699	NW_004516889.1	Scaffold1777	614699	TT	GG	1940502530
SNP_P1_239418_614717	NW_004516889.1	Scaffold1777	614717	CC	TT	1940502533

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_239419_617288	NW_004516889.1	Scaffold1777	617288	CC	TT	1940502535
SNP_P1_239420_617636	NW_004516889.1	Scaffold1777	617636	CC	TT	1940502537
SNP_P1_239421_623744	NW_004516889.1	Scaffold1777	623744	CC	AA	1940502539
SNP_P1_239422_623763	NW_004516889.1	Scaffold1777	623763	GG	AA	1940502541
SNP_P1_239423_624028	NW_004516889.1	Scaffold1777	624028	GG	AA	1940502543
SNP_P1_239424_624109	NW_004516889.1	Scaffold1777	624109	AA	TT	1940502545
SNP_P1_239425_624116	NW_004516889.1	Scaffold1777	624116	TT	AA	1940502547
SNP_P1_239426_625648	NW_004516889.1	Scaffold1777	625648	AA	GG	1940502550
SNP_P1_239427_625735	NW_004516889.1	Scaffold1777	625735	AA	GG	1940502552
SNP_P1_239428_625749	NW_004516889.1	Scaffold1777	625749	GG	CC	1940502554
SNP_P1_239429_626478	NW_004516889.1	Scaffold1777	626478	AA	TT	1940502556
SNP_P1_239430_626517	NW_004516889.1	Scaffold1777	626517	CC	AA	1940502558
SNP_P1_239431_626782	NW_004516889.1	Scaffold1777	626782	TT	CC	1940502560
SNP_P1_239432_626817	NW_004516889.1	Scaffold1777	626817	AA	TT	1940502562
SNP_P1_239433_626838	NW_004516889.1	Scaffold1777	626838	AA	GG	1940502564
SNP_P1_239434_628144	NW_004516889.1	Scaffold1777	628144	AA	TT	1940502567
SNP_P1_239435_628188	NW_004516889.1	Scaffold1777	628188	CC	AA	1940502569
SNP_P1_239436_628190	NW_004516889.1	Scaffold1777	628190	AA	TT	1940502571
SNP_P1_239437_628203	NW_004516889.1	Scaffold1777	628203	CC	TT	1940502573
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SNP_P1_239439_628295	NW_004516889.1	Scaffold1777	628295	TT	CC	1940502577
SNP_P1_239440_628406	NW_004516889.1	Scaffold1777	628406	GG	AA	1940502579
SNP_P1_239441_628448	NW_004516889.1	Scaffold1777	628448	AA	GG	1940502581
SNP_P1_239442_628509	NW_004516889.1	Scaffold1777	628509	AA	GG	1940502584
SNP_P1_239443_628540	NW_004516889.1	Scaffold1777	628540	CC	AA	1940502586
SNP_P1_239444_628629	NW_004516889.1	Scaffold1777	628629	AA	GG	1940502588
SNP_P1_239445_628701	NW_004516889.1	Scaffold1777	628701	AA	CC	1940502590
SNP_P1_239446_628777	NW_004516889.1	Scaffold1777	628777	CC	TT	1940502592
SNP_P1_239447_629227	NW_004516889.1	Scaffold1777	629227	GG	CC	1940502594
SNP_P1_239448_629451	NW_004516889.1	Scaffold1777	629451	TT	CC	1940502596
SNP_P1_239449_629487	NW_004516889.1	Scaffold1777	629487	CC	TT	1940502599
SNP_P1_239451_632271	NW_004516889.1	Scaffold1777	632271	GG	AA	1940502601
SNP_P1_239452_632479	NW_004516889.1	Scaffold1777	632479	CC	TT	1940502603
SNP_P1_239453_632529	NW_004516889.1	Scaffold1777	632529	TT	CC	1940502605
SNP_P1_239454_632545	NW_004516889.1	Scaffold1777	632545	GG	AA	1940502607
SNP_P1_239455_636259	NW_004516889.1	Scaffold1777	636259	AA	GG	1940502609
SNP_P1_239457_636513	NW_004516889.1	Scaffold1777	636513	CC	TT	1940502611
SNP_P1_239458_636544	NW_004516889.1	Scaffold1777	636544	AA	TT	1940502613
SNP_P1_239459_636598	NW_004516889.1	Scaffold1777	636598	TT	AA	1940502616
SNP_P1_239460_205	NW_004516890.1	Scaffold1778	205	AA	CC	1940502618
SNP_P1_239461_414	NW_004516890.1	Scaffold1778	414	GG	CC	1940502620
SNP_P1_239462_852	NW_004516890.1	Scaffold1778	852	TT	AA	1940502622

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_239463_902	NW_004516890.1	Scaffold1778	902	GG	TT	1940502624
SNP_P1_239464_908	NW_004516890.1	Scaffold1778	908	AA	CC	1940502626
SNP_P1_239465_915	NW_004516890.1	Scaffold1778	915	AA	GG	1940502628
SNP_P1_239466_925	NW_004516890.1	Scaffold1778	925	TT	CC	1940502630
SNP_P1_239467_982	NW_004516890.1	Scaffold1778	982	GG	AA	1940502633
SNP_P1_239468_1218	NW_004516890.1	Scaffold1778	1218	AA	CC	1940502635
SNP_P1_239469_1223	NW_004516890.1	Scaffold1778	1223	TT	GG	1940502637
SNP_P1_239470_1229	NW_004516890.1	Scaffold1778	1229	CC	TT	1940502639
SNP_P1_239471_1243	NW_004516890.1	Scaffold1778	1243	CC	TT	1940502641
SNP_P1_239473_1489	NW_004516890.1	Scaffold1778	1489	CC	TT	1940502643
SNP_P1_239474_1527	NW_004516890.1	Scaffold1778	1527	AA	CC	1940502645
SNP_P1_239475_1651	NW_004516890.1	Scaffold1778	1651	CC	TT	1940502648
SNP_P1_239476_1918	NW_004516890.1	Scaffold1778	1918	AA	GG	1940502650
SNP_P1_239477_1973	NW_004516890.1	Scaffold1778	1973	TT	GG	1940502652
SNP_P1_239478_1980	NW_004516890.1	Scaffold1778	1980	CC	TT	1940502654
SNP_P1_239479_1998	NW_004516890.1	Scaffold1778	1998	TT	CC	1940502656
SNP_P1_239480_2039	NW_004516890.1	Scaffold1778	2039	CC	TT	1940502658
SNP_P1_239481_2044	NW_004516890.1	Scaffold1778	2044	TT	AA	1940502660
SNP_P1_239482_4064	NW_004516890.1	Scaffold1778	4064	CC	TT	1940502662
SNP_P1_239483_4067	NW_004516890.1	Scaffold1778	4067	GG	AA	1940502665
SNP_P1_239484_4156	NW_004516890.1	Scaffold1778	4156	GG	AA	1940502667
SNP_P1_239485_4177	NW_004516890.1	Scaffold1778	4177	TT	GG	1940502669
SNP_P1_239486_4184	NW_004516890.1	Scaffold1778	4184	GG	AA	1940502671
SNP_P1_239487_4197	NW_004516890.1	Scaffold1778	4197	CC	TT	1940502673
SNP_P1_239488_4236	NW_004516890.1	Scaffold1778	4236	TT	CC	1940502675
SNP_P1_239489_4261	NW_004516890.1	Scaffold1778	4261	GG	AA	1940502677
SNP_P1_239490_4571	NW_004516890.1	Scaffold1778	4571	TT	AA	1940502679
SNP_P1_239491_4573	NW_004516890.1	Scaffold1778	4573	CC	TT	1940502682
SNP_P1_239492_4586	NW_004516890.1	Scaffold1778	4586	TT	CC	1940502684
SNP_P1_239493_4925	NW_004516890.1	Scaffold1778	4925	TT	CC	1940502686
SNP_P1_239494_4960	NW_004516890.1	Scaffold1778	4960	GG	AA	1940502688
SNP_P1_239495_5011	NW_004516890.1	Scaffold1778	5011	AA	GG	1940502690
SNP_P1_239496_6589	NW_004516890.1	Scaffold1778	6589	GG	AA	1940502692
SNP_P1_239497_10582	NW_004516890.1	Scaffold1778	10582	CC	GG	1940502694
SNP_P1_239498_12024	NW_004516890.1	Scaffold1778	12024	AA	GG	1940502697
SNP_P1_239499_12078	NW_004516890.1	Scaffold1778	12078	CC	TT	1940502699
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SNP_P1_239501_12611	NW_004516890.1	Scaffold1778	12611	CC	TT	1940502703
SNP_P1_239502_12612	NW_004516890.1	Scaffold1778	12612	TT	CC	1940502705
SNP_P1_239503_12627	NW_004516890.1	Scaffold1778	12627	AA	GG	1940502707
SNP_P1_239504_15221	NW_004516890.1	Scaffold1778	15221	GG	AA	1940502709
SNP_P1_239505_15263	NW_004516890.1	Scaffold1778	15263	AA	TT	1940502711

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239507_15703	NW_004516890.1	Scaffold1778	15703	TT	AA	1940502716
SNP_P1_239508_15750	NW_004516890.1	Scaffold1778	15750	AA	TT	1940502718
SNP_P1_239509_15832	NW_004516890.1	Scaffold1778	15832	AA	GG	1940502720
SNP_P1_239510_15882	NW_004516890.1	Scaffold1778	15882	AA	TT	1940502722
SNP_P1_239511_15959	NW_004516890.1	Scaffold1778	15959	GG	AA	1940502724
SNP_P1_239512_16056	NW_004516890.1	Scaffold1778	16056	CC	TT	1940502726
SNP_P1_239513_16103	NW_004516890.1	Scaffold1778	16103	CC	TT	1940502729
SNP_P1_239514_16129	NW_004516890.1	Scaffold1778	16129	CC	GG	1940502731
SNP_P1_239515_16171	NW_004516890.1	Scaffold1778	16171	AA	GG	1940502733
SNP_P1_239516_16240	NW_004516890.1	Scaffold1778	16240	TT	CC	1940502735
SNP_P1_239517_16241	NW_004516890.1	Scaffold1778	16241	TT	GG	1940502737
SNP_P1_239518_16282	NW_004516890.1	Scaffold1778	16282	CC	AA	1940502739
SNP_P1_239519_16286	NW_004516890.1	Scaffold1778	16286	AA	GG	1940502741
SNP_P1_239520_16312	NW_004516890.1	Scaffold1778	16312	TT	CC	1940502743
SNP_P1_239521_16340	NW_004516890.1	Scaffold1778	16340	CC	TT	1940502746
SNP_P1_239522_16420	NW_004516890.1	Scaffold1778	16420	AA	CC	1940502748
SNP_P1_239523_16421	NW_004516890.1	Scaffold1778	16421	GG	AA	1940502750
SNP_P1_239524_16423	NW_004516890.1	Scaffold1778	16423	GG	AA	1940502752
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SNP_P1_239527_16555	NW_004516890.1	Scaffold1778	16555	GG	CC	1940502758
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SNP_P1_239529_16645	NW_004516890.1	Scaffold1778	16645	TT	AA	1940502763
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SNP_P1_239531_16716	NW_004516890.1	Scaffold1778	16716	CC	TT	1940502767
SNP_P1_239532_16754	NW_004516890.1	Scaffold1778	16754	CC	TT	1940502769
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SNP_P1_239534_16858	NW_004516890.1	Scaffold1778	16858	CC	GG	1940502773
SNP_P1_239535_16869	NW_004516890.1	Scaffold1778	16869	GG	AA	1940502775
SNP_P1_239536_16915	NW_004516890.1	Scaffold1778	16915	TT	CC	1940502777
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SNP_P1_239538_16974	NW_004516890.1	Scaffold1778	16974	GG	TT	1940502782
SNP_P1_239539_16988	NW_004516890.1	Scaffold1778	16988	AA	GG	1940502784
SNP_P1_239540_18767	NW_004516890.1	Scaffold1778	18767	CC	TT	1940502786
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SNP_P1_239543_8730	NW_004516891.1	Scaffold1779	8730	AA	GG	1940502792
SNP_P1_239544_8743	NW_004516891.1	Scaffold1779	8743	AA	GG	1940502795
SNP_P1_239545_9855	NW_004516891.1	Scaffold1779	9855	TT	CC	1940502797
SNP_P1_239546_11396	NW_004516891.1	Scaffold1779	11396	AA	CC	1940502799
SNP_P1_239547_11553	NW_004516891.1	Scaffold1779	11553	AA	GG	1940502801

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239549_11659	NW_004516891.1	Scaffold1779	11659	TT	GG	1940502805
SNP_P1_239550_12647	NW_004516891.1	Scaffold1779	12647	CC	AA	1940502807
SNP_P1_239551_12688	NW_004516891.1	Scaffold1779	12688	TT	CC	1940502809
SNP_P1_239552_12702	NW_004516891.1	Scaffold1779	12702	GG	AA	1940502811
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SNP_P1_239554_73037	NW_004516891.1	Scaffold1779	73037	GG	CC	1940502815
SNP_P1_239555_79676	NW_004516891.1	Scaffold1779	79676	GG	AA	1940502817
SNP_P1_239556_110543	NW_004516891.1	Scaffold1779	110543	AA	CC	1940502819
SNP_P1_239557_118767	NW_004516891.1	Scaffold1779	118767	GG	AA	1940502821
SNP_P1_239558_119111	NW_004516891.1	Scaffold1779	119111	CC	TT	1940502823
SNP_P1_239559_119160	NW_004516891.1	Scaffold1779	119160	CC	AA	1940502826
SNP_P1_239560_119244	NW_004516891.1	Scaffold1779	119244	TT	CC	1940502828
SNP_P1_239561_119275	NW_004516891.1	Scaffold1779	119275	TT	AA	1940502830
SNP_P1_239562_119450	NW_004516891.1	Scaffold1779	119450	GG	TT	1940502832
SNP_P1_239563_119679	NW_004516891.1	Scaffold1779	119679	AA	TT	1940502834
SNP_P1_239564_119694	NW_004516891.1	Scaffold1779	119694	AA	TT	1940502836
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SNP_P1_239566_120026	NW_004516891.1	Scaffold1779	120026	CC	AA	1940502840
SNP_P1_239567_120129	NW_004516891.1	Scaffold1779	120129	CC	TT	1940502842
SNP_P1_239568_120171	NW_004516891.1	Scaffold1779	120171	AA	GG	1940502844
SNP_P1_239569_121647	NW_004516891.1	Scaffold1779	121647	CC	TT	1940502846
SNP_P1_239570_121926	NW_004516891.1	Scaffold1779	121926	CC	TT	1940502848
SNP_P1_239571_122089	NW_004516891.1	Scaffold1779	122089	AA	GG	1940502850
SNP_P1_239572_122238	NW_004516891.1	Scaffold1779	122238	AA	GG	1940502852
SNP_P1_239573_122462	NW_004516891.1	Scaffold1779	122462	CC	AA	1940502854
SNP_P1_239574_128157	NW_004516891.1	Scaffold1779	128157	CC	GG	1940502857
SNP_P1_239575_128221	NW_004516891.1	Scaffold1779	128221	AA	CC	1940502859
SNP_P1_239576_128231	NW_004516891.1	Scaffold1779	128231	AA	CC	1940502861
SNP_P1_239577_129865	NW_004516891.1	Scaffold1779	129865	TT	CC	1940502863
SNP_P1_239578_131176	NW_004516891.1	Scaffold1779	131176	TT	GG	1940502865
SNP_P1_239579_131197	NW_004516891.1	Scaffold1779	131197	AA	GG	1940502867
SNP_P1_239582_131559	NW_004516891.1	Scaffold1779	131559	TT	GG	1940502869
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SNP_P1_239587_132965	NW_004516891.1	Scaffold1779	132965	GG	AA	1940502877
SNP_P1_239588_132999	NW_004516891.1	Scaffold1779	132999	GG	AA	1940502879
SNP_P1_239589_5678	NW_004516893.1	Scaffold1782	5678	GG	AA	1940502882
SNP_P1_239590_5693	NW_004516893.1	Scaffold1782	5693	AA	GG	1940502884
SNP_P1_239591_6055	NW_004516893.1	Scaffold1782	6055	TT	GG	1940502886
SNP_P1_239592_6072	NW_004516893.1	Scaffold1782	6072	AA	TT	1940502888

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239594_6158	NW_004516893.1	Scaffold1782	6158	TT	CC	1940502892
SNP_P1_239595_6171	NW_004516893.1	Scaffold1782	6171	TT	GG	1940502894
SNP_P1_239596_6208	NW_004516893.1	Scaffold1782	6208	AA	GG	1940502896
SNP_P1_239597_4979	NW_004516894.1	Scaffold1783	4979	CC	AA	1940502898
SNP_P1_239598_5042	NW_004516894.1	Scaffold1783	5042	AA	GG	1940502900
SNP_P1_239599_8168	NW_004516894.1	Scaffold1783	8168	AA	GG	1940502902
SNP_P1_239600_10731	NW_004516894.1	Scaffold1783	10731	CC	TT	1940502904
SNP_P1_239601_10973	NW_004516894.1	Scaffold1783	10973	GG	AA	1940502906
SNP_P1_239602_30094	NW_004516894.1	Scaffold1783	30094	TT	CC	1940502909
SNP_P1_239603_37315	NW_004516894.1	Scaffold1783	37315	CC	TT	1940502911
SNP_P1_239604_37316	NW_004516894.1	Scaffold1783	37316	TT	GG	1940502913
SNP_P1_239605_37357	NW_004516894.1	Scaffold1783	37357	AA	TT	1940502915
SNP_P1_239606_37671	NW_004516894.1	Scaffold1783	37671	GG	AA	1940502917
SNP_P1_239607_38090	NW_004516894.1	Scaffold1783	38090	CC	AA	1940502919
SNP_P1_239608_38096	NW_004516894.1	Scaffold1783	38096	TT	AA	1940502921
SNP_P1_239609_38185	NW_004516894.1	Scaffold1783	38185	AA	GG	1940502923
SNP_P1_239610_38254	NW_004516894.1	Scaffold1783	38254	AA	TT	1940502925
SNP_P1_239611_39340	NW_004516894.1	Scaffold1783	39340	TT	CC	1940502927
SNP_P1_239612_39344	NW_004516894.1	Scaffold1783	39344	CC	AA	1940502929
SNP_P1_239613_39812	NW_004516894.1	Scaffold1783	39812	CC	TT	1940502931
SNP_P1_239614_39925	NW_004516894.1	Scaffold1783	39925	TT	AA	1940502933
SNP_P1_239615_40203	NW_004516894.1	Scaffold1783	40203	AA	TT	1940502935
SNP_P1_239616_40251	NW_004516894.1	Scaffold1783	40251	AA	CC	1940502937
SNP_P1_239617_40269	NW_004516894.1	Scaffold1783	40269	TT	GG	1940502939
SNP_P1_239618_40291	NW_004516894.1	Scaffold1783	40291	GG	AA	1940502941
SNP_P1_239619_40305	NW_004516894.1	Scaffold1783	40305	GG	AA	1940502944
SNP_P1_239620_45378	NW_004516894.1	Scaffold1783	45378	AA	GG	1940502946
SNP_P1_239621_46055	NW_004516894.1	Scaffold1783	46055	TT	CC	1940502948
SNP_P1_239622_46057	NW_004516894.1	Scaffold1783	46057	TT	CC	1940502950
SNP_P1_239623_46060	NW_004516894.1	Scaffold1783	46060	AA	GG	1940502952
SNP_P1_239624_46087	NW_004516894.1	Scaffold1783	46087	CC	AA	1940502954
SNP_P1_239625_46336	NW_004516894.1	Scaffold1783	46336	AA	CC	1940502956
SNP_P1_239626_48686	NW_004516894.1	Scaffold1783	48686	GG	AA	1940502958
SNP_P1_239627_296	NW_004516897.1	Scaffold1789	296	GG	AA	1940502960
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SNP_P1_239630_21039	NW_004516897.1	Scaffold1789	21039	AA	GG	1940502966
SNP_P1_239631_21088	NW_004516897.1	Scaffold1789	21088	TT	CC	1940502968
SNP_P1_239632_21349	NW_004516897.1	Scaffold1789	21349	AA	TT	1940502970
SNP_P1_239633_12332	NW_004516898.1	Scaffold1791	12332	GG	AA	1940502973
SNP_P1_239634_12351	NW_004516898.1	Scaffold1791	12351	GG	CC	1940502975

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239636_12640	NW_004516898.1	Scaffold1791	12640	TT	CC	1940502979
SNP_P1_239637_172	NW_004516900.1	Scaffold1793	172	GG	AA	1940502981
SNP_P1_239638_188	NW_004516900.1	Scaffold1793	188	TT	AA	1940502983
SNP_P1_239639_208	NW_004516900.1	Scaffold1793	208	GG	TT	1940502985
SNP_P1_239640_408	NW_004516900.1	Scaffold1793	408	TT	AA	1940502987
SNP_P1_239641_530	NW_004516900.1	Scaffold1793	530	CC	AA	1940502989
SNP_P1_239642_995	NW_004516901.1	Scaffold1795	995	GG	TT	1940502991
SNP_P1_239643_2651	NW_004516901.1	Scaffold1795	2651	TT	CC	1940502993
SNP_P1_239644_5671	NW_004516901.1	Scaffold1795	5671	AA	GG	1940502995
SNP_P1_239645_6568	NW_004516901.1	Scaffold1795	6568	AA	CC	1940502998
SNP_P1_239646_1964	NW_004516903.1	Scaffold1797	1964	TT	CC	1940503000
SNP_P1_239647_1985	NW_004516903.1	Scaffold1797	1985	AA	TT	1940503002
SNP_P1_239648_2825	NW_004516903.1	Scaffold1797	2825	CC	GG	1940503004
SNP_P1_239649_11889	NW_004516903.1	Scaffold1797	11889	AA	CC	1940503006
SNP_P1_239650_16773	NW_004516903.1	Scaffold1797	16773	AA	CC	1940503008
SNP_P1_239651_16777	NW_004516903.1	Scaffold1797	16777	AA	TT	1940503010
SNP_P1_239652_16824	NW_004516903.1	Scaffold1797	16824	CC	AA	1940503012
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SNP_P1_239656_26470	NW_004516903.1	Scaffold1797	26470	GG	CC	1940503020
SNP_P1_239657_26483	NW_004516903.1	Scaffold1797	26483	TT	GG	1940503022
SNP_P1_239658_26519	NW_004516903.1	Scaffold1797	26519	TT	AA	1940503025
SNP_P1_239659_26697	NW_004516903.1	Scaffold1797	26697	TT	GG	1940503027
SNP_P1_239660_26759	NW_004516903.1	Scaffold1797	26759	TT	AA	1940503029
SNP_P1_239661_37792	NW_004516903.1	Scaffold1797	37792	AA	GG	1940503031
SNP_P1_239662_37802	NW_004516903.1	Scaffold1797	37802	CC	TT	1940503033
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SNP_P1_239664_37877	NW_004516903.1	Scaffold1797	37877	GG	TT	1940503037
SNP_P1_239665_37895	NW_004516903.1	Scaffold1797	37895	CC	GG	1940503039
SNP_P1_239666_1533	NW_004516904.1	Scaffold1798	1533	AA	TT	1940503041
SNP_P1_239667_1579	NW_004516904.1	Scaffold1798	1579	CC	TT	1940503043
SNP_P1_239668_1588	NW_004516904.1	Scaffold1798	1588	TT	AA	1940503045
SNP_P1_239669_1619	NW_004516904.1	Scaffold1798	1619	AA	CC	1940503047
SNP_P1_239670_1695	NW_004516904.1	Scaffold1798	1695	TT	CC	1940503049
SNP_P1_239671_1731	NW_004516904.1	Scaffold1798	1731	CC	AA	1940503051
SNP_P1_239672_1757	NW_004516904.1	Scaffold1798	1757	AA	GG	1940503053
SNP_P1_239673_1785	NW_004516904.1	Scaffold1798	1785	TT	CC	1940503056
SNP_P1_239674_1802	NW_004516904.1	Scaffold1798	1802	TT	CC	1940503058
SNP_P1_239675_4207	NW_004516904.1	Scaffold1798	4207	GG	AA	1940503060
SNP_P1_239676_8595	NW_004516904.1	Scaffold1798	8595	CC	GG	1940503062

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239680_3437	NW_004516907.1	Scaffold1802	3437	CC	AA	1940503068
SNP_P1_239681_3722	NW_004516907.1	Scaffold1802	3722	GG	AA	1940503070
SNP_P1_239682_15393	NW_004516907.1	Scaffold1802	15393	GG	CC	1940503072
SNP_P1_239683_15785	NW_004516907.1	Scaffold1802	15785	GG	AA	1940503074
SNP_P1_239684_18888	NW_004516907.1	Scaffold1802	18888	CC	TT	1940503076
SNP_P1_239685_18891	NW_004516907.1	Scaffold1802	18891	AA	GG	1940503078
SNP_P1_239686_18894	NW_004516907.1	Scaffold1802	18894	TT	CC	1940503080
SNP_P1_239687_20150	NW_004516907.1	Scaffold1802	20150	GG	AA	1940503082
SNP_P1_239689_44542	NW_004516909.1	Scaffold1804	44542	AA	CC	1940503084
SNP_P1_239690_44556	NW_004516909.1	Scaffold1804	44556	AA	TT	1940503086
SNP_P1_239691_44558	NW_004516909.1	Scaffold1804	44558	TT	AA	1940503088
SNP_P1_239692_44560	NW_004516909.1	Scaffold1804	44560	AA	TT	1940503090
SNP_P1_239693_44573	NW_004516909.1	Scaffold1804	44573	GG	AA	1940503093
SNP_P1_239694_44579	NW_004516909.1	Scaffold1804	44579	GG	AA	1940503095
SNP_P1_239695_44585	NW_004516909.1	Scaffold1804	44585	TT	GG	1940503097
SNP_P1_239696_46077	NW_004516909.1	Scaffold1804	46077	AA	CC	1940503099
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SNP_P1_239701_81966	NW_004516909.1	Scaffold1804	81966	GG	CC	1940503107
SNP_P1_239702_82017	NW_004516909.1	Scaffold1804	82017	TT	CC	1940503109
SNP_P1_239703_82206	NW_004516909.1	Scaffold1804	82206	AA	GG	1940503111
SNP_P1_239704_101016	NW_004516909.1	Scaffold1804	101016	TT	AA	1940503113
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SNP_P1_239721_149172	NW_004516909.1	Scaffold1804	149172	CC	TT	1940503142
SNP_P1_239722_149175	NW_004516909.1	Scaffold1804	149175	CC	GG	1940503144
SNP_P1_239723_149422	NW_004516909.1	Scaffold1804	149422	AA	GG	1940503146
SNP_P1_239724_149757	NW_004516909.1	Scaffold1804	149757	TT	GG	1940503148

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239727_154574	NW_004516909.1	Scaffold1804	154574	CC	TT	1940503152
SNP_P1_239728_154583	NW_004516909.1	Scaffold1804	154583	TT	CC	1940503154
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SNP_P1_239730_162808	NW_004516909.1	Scaffold1804	162808	CC	GG	1940503158
SNP_P1_239731_162904	NW_004516909.1	Scaffold1804	162904	AA	GG	1940503160
SNP_P1_239732_163173	NW_004516909.1	Scaffold1804	163173	TT	CC	1940503162
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SNP_P1_239735_172844	NW_004516909.1	Scaffold1804	172844	AA	GG	1940503166
SNP_P1_239736_176362	NW_004516909.1	Scaffold1804	176362	AA	GG	1940503169
SNP_P1_239737_176410	NW_004516909.1	Scaffold1804	176410	AA	GG	1940503171
SNP_P1_239738_178741	NW_004516909.1	Scaffold1804	178741	CC	AA	1940503173
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SNP_P1_239753_191696	NW_004516909.1	Scaffold1804	191696	CC	TT	1940503201
SNP_P1_239754_191720	NW_004516909.1	Scaffold1804	191720	AA	GG	1940503203
SNP_P1_239755_191811	NW_004516909.1	Scaffold1804	191811	GG	AA	1940503206
SNP_P1_239756_192093	NW_004516909.1	Scaffold1804	192093	AA	GG	1940503208
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SNP_P1_239760_192248	NW_004516909.1	Scaffold1804	192248	AA	GG	1940503216
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SNP_P1_239762_198890	NW_004516909.1	Scaffold1804	198890	GG	AA	1940503220
SNP_P1_239763_198902	NW_004516909.1	Scaffold1804	198902	TT	CC	1940503222
SNP_P1_239764_200437	NW_004516909.1	Scaffold1804	200437	TT	CC	1940503224
SNP_P1_239765_210463	NW_004516909.1	Scaffold1804	210463	CC	TT	1940503226
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SNP_P1_239767_212960	NW_004516909.1	Scaffold1804	212960	AA	CC	1940503230
SNP_P1_239768_213059	NW_004516909.1	Scaffold1804	213059	AA	GG	1940503232
SNP_P1_239769_214884	NW_004516909.1	Scaffold1804	214884	AA	GG	1940503234

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_239770_214896	NW_004516909.1	Scaffold1804	214896	CC	AA	1940503236
SNP_P1_239771_216673	NW_004516909.1	Scaffold1804	216673	AA	GG	1940503238
SNP_P1_239772_219726	NW_004516909.1	Scaffold1804	219726	GG	AA	1940503240
SNP_P1_239773_219874	NW_004516909.1	Scaffold1804	219874	AA	GG	1940503243
SNP_P1_239774_221547	NW_004516909.1	Scaffold1804	221547	GG	CC	1940503245
SNP_P1_239775_222185	NW_004516909.1	Scaffold1804	222185	CC	TT	1940503247
SNP_P1_239776_226505	NW_004516909.1	Scaffold1804	226505	CC	TT	1940503249
SNP_P1_239777_229558	NW_004516909.1	Scaffold1804	229558	TT	GG	1940503251
SNP_P1_239778_230702	NW_004516909.1	Scaffold1804	230702	GG	AA	1940503253
SNP_P1_239779_231574	NW_004516909.1	Scaffold1804	231574	GG	TT	1940503255
SNP_P1_239780_234328	NW_004516909.1	Scaffold1804	234328	TT	CC	1940503257
SNP_P1_239781_236960	NW_004516909.1	Scaffold1804	236960	GG	AA	1940503259
SNP_P1_239782_244532	NW_004516909.1	Scaffold1804	244532	AA	CC	1940503261
SNP_P1_239783_244682	NW_004516909.1	Scaffold1804	244682	CC	AA	1940503263
SNP_P1_239784_246772	NW_004516909.1	Scaffold1804	246772	CC	TT	1940503265
SNP_P1_239785_246790	NW_004516909.1	Scaffold1804	246790	AA	GG	1940503268
SNP_P1_239786_246799	NW_004516909.1	Scaffold1804	246799	GG	AA	1940503270
SNP_P1_239787_246834	NW_004516909.1	Scaffold1804	246834	GG	TT	1940503272
SNP_P1_239788_246865	NW_004516909.1	Scaffold1804	246865	AA	GG	1940503274
SNP_P1_239789_246901	NW_004516909.1	Scaffold1804	246901	GG	TT	1940503276
SNP_P1_239790_247089	NW_004516909.1	Scaffold1804	247089	AA	GG	1940503278
SNP_P1_239791_247095	NW_004516909.1	Scaffold1804	247095	AA	TT	1940503280
SNP_P1_239792_247102	NW_004516909.1	Scaffold1804	247102	CC	TT	1940503282
SNP_P1_239793_247171	NW_004516909.1	Scaffold1804	247171	CC	GG	1940503285
SNP_P1_239794_247307	NW_004516909.1	Scaffold1804	247307	AA	CC	1940503287
SNP_P1_239795_247315	NW_004516909.1	Scaffold1804	247315	AA	GG	1940503289
SNP_P1_239796_253031	NW_004516909.1	Scaffold1804	253031	AA	CC	1940503291
SNP_P1_239797_253220	NW_004516909.1	Scaffold1804	253220	CC	AA	1940503293
SNP_P1_239798_253275	NW_004516909.1	Scaffold1804	253275	TT	CC	1940503295
SNP_P1_239799_253308	NW_004516909.1	Scaffold1804	253308	AA	TT	1940503297
SNP_P1_239800_253314	NW_004516909.1	Scaffold1804	253314	TT	AA	1940503300
SNP_P1_239801_253541	NW_004516909.1	Scaffold1804	253541	AA	TT	1940503302
SNP_P1_239802_253574	NW_004516909.1	Scaffold1804	253574	TT	CC	1940503304
SNP_P1_239803_253645	NW_004516909.1	Scaffold1804	253645	AA	TT	1940503306
SNP_P1_239804_253716	NW_004516909.1	Scaffold1804	253716	TT	CC	1940503308
SNP_P1_239805_253840	NW_004516909.1	Scaffold1804	253840	CC	TT	1940503310
SNP_P1_239806_253897	NW_004516909.1	Scaffold1804	253897	CC	TT	1940503312
SNP_P1_239807_257644	NW_004516909.1	Scaffold1804	257644	GG	TT	1940503315
SNP_P1_239808_257704	NW_004516909.1	Scaffold1804	257704	AA	GG	1940503317
SNP_P1_239809_257727	NW_004516909.1	Scaffold1804	257727	GG	AA	1940503319
SNP_P1_239810_257764	NW_004516909.1	Scaffold1804	257764	GG	AA	1940503321
SNP_P1_239811_259366	NW_004516909.1	Scaffold1804	259366	CC	TT	1940503323

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239813_271669	NW_004516909.1	Scaffold1804	271669	GG	AA	1940503327
SNP_P1_239814_277991	NW_004516909.1	Scaffold1804	277991	CC	AA	1940503329
SNP_P1_239815_280080	NW_004516909.1	Scaffold1804	280080	TT	GG	1940503332
SNP_P1_239816_284877	NW_004516909.1	Scaffold1804	284877	GG	AA	1940503334
SNP_P1_239818_292845	NW_004516909.1	Scaffold1804	292845	GG	AA	1940503336
SNP_P1_239819_292850	NW_004516909.1	Scaffold1804	292850	AA	GG	1940503338
SNP_P1_239820_303353	NW_004516909.1	Scaffold1804	303353	TT	CC	1940503340
SNP_P1_239821_303423	NW_004516909.1	Scaffold1804	303423	GG	AA	1940503342
SNP_P1_239823_317904	NW_004516909.1	Scaffold1804	317904	CC	AA	1940503344
SNP_P1_239824_317906	NW_004516909.1	Scaffold1804	317906	TT	AA	1940503346
SNP_P1_239825_318725	NW_004516909.1	Scaffold1804	318725	AA	TT	1940503349
SNP_P1_239826_318899	NW_004516909.1	Scaffold1804	318899	AA	GG	1940503351
SNP_P1_239827_319183	NW_004516909.1	Scaffold1804	319183	TT	CC	1940503353
SNP_P1_239828_319236	NW_004516909.1	Scaffold1804	319236	TT	CC	1940503355
SNP_P1_239829_319578	NW_004516909.1	Scaffold1804	319578	TT	CC	1940503357
SNP_P1_239830_64	NW_004516910.1	Scaffold1806	64	CC	AA	1940503359
SNP_P1_239831_107	NW_004516910.1	Scaffold1806	107	AA	TT	1940503361
SNP_P1_239833_324	NW_004516910.1	Scaffold1806	324	GG	AA	1940503363
SNP_P1_239834_347	NW_004516910.1	Scaffold1806	347	AA	CC	1940503366
SNP_P1_239835_446	NW_004516910.1	Scaffold1806	446	GG	TT	1940503368
SNP_P1_239836_457	NW_004516910.1	Scaffold1806	457	TT	AA	1940503370
SNP_P1_239837_469	NW_004516910.1	Scaffold1806	469	CC	TT	1940503372
SNP_P1_239838_541	NW_004516910.1	Scaffold1806	541	AA	GG	1940503374
SNP_P1_239839_555	NW_004516910.1	Scaffold1806	555	AA	GG	1940503376
SNP_P1_239840_645	NW_004516910.1	Scaffold1806	645	CC	TT	1940503378
SNP_P1_239841_650	NW_004516910.1	Scaffold1806	650	GG	CC	1940503380
SNP_P1_239842_701	NW_004516910.1	Scaffold1806	701	AA	GG	1940503383
SNP_P1_239843_730	NW_004516910.1	Scaffold1806	730	AA	GG	1940503385
SNP_P1_239844_2422	NW_004516910.1	Scaffold1806	2422	TT	CC	1940503387
SNP_P1_239845_2435	NW_004516910.1	Scaffold1806	2435	AA	GG	1940503389
SNP_P1_239846_2563	NW_004516910.1	Scaffold1806	2563	TT	AA	1940503391
SNP_P1_239847_2566	NW_004516910.1	Scaffold1806	2566	TT	CC	1940503393
SNP_P1_239848_2624	NW_004516910.1	Scaffold1806	2624	AA	GG	1940503395
SNP_P1_239849_2647	NW_004516910.1	Scaffold1806	2647	AA	CC	1940503398
SNP_P1_239850_2754	NW_004516910.1	Scaffold1806	2754	CC	TT	1940503400
SNP_P1_239851_3167	NW_004516910.1	Scaffold1806	3167	AA	GG	1940503402
SNP_P1_239852_3237	NW_004516910.1	Scaffold1806	3237	AA	CC	1940503404
SNP_P1_239853_3542	NW_004516910.1	Scaffold1806	3542	CC	AA	1940503406
SNP_P1_239854_3584	NW_004516910.1	Scaffold1806	3584	GG	CC	1940503408
SNP_P1_239855_3986	NW_004516910.1	Scaffold1806	3986	TT	GG	1940503410
SNP_P1_239856_4586	NW_004516910.1	Scaffold1806	4586	AA	GG	1940503413

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239858_4816	NW_004516910.1	Scaffold1806	4816	TT	GG	1940503417
SNP_P1_239859_4832	NW_004516910.1	Scaffold1806	4832	GG	AA	1940503419
SNP_P1_239860_4833	NW_004516910.1	Scaffold1806	4833	AA	GG	1940503421
SNP_P1_239861_4881	NW_004516910.1	Scaffold1806	4881	TT	AA	1940503423
SNP_P1_239862_4919	NW_004516910.1	Scaffold1806	4919	AA	GG	1940503425
SNP_P1_239863_4925	NW_004516910.1	Scaffold1806	4925	CC	TT	1940503428
SNP_P1_239864_4956	NW_004516910.1	Scaffold1806	4956	CC	GG	1940503430
SNP_P1_239865_4966	NW_004516910.1	Scaffold1806	4966	GG	AA	1940503432
SNP_P1_239866_5041	NW_004516910.1	Scaffold1806	5041	AA	TT	1940503434
SNP_P1_239867_5279	NW_004516910.1	Scaffold1806	5279	GG	TT	1940503436
SNP_P1_239868_6463	NW_004516910.1	Scaffold1806	6463	TT	CC	1940503438
SNP_P1_239869_6496	NW_004516910.1	Scaffold1806	6496	TT	CC	1940503440
SNP_P1_239870_6585	NW_004516910.1	Scaffold1806	6585	TT	GG	1940503442
SNP_P1_239871_6730	NW_004516910.1	Scaffold1806	6730	CC	GG	1940503445
SNP_P1_239873_6906	NW_004516910.1	Scaffold1806	6906	AA	GG	1940503447
SNP_P1_239874_6978	NW_004516910.1	Scaffold1806	6978	CC	TT	1940503449
SNP_P1_239875_7016	NW_004516910.1	Scaffold1806	7016	AA	GG	1940503451
SNP_P1_239876_7535	NW_004516910.1	Scaffold1806	7535	AA	GG	1940503453
SNP_P1_239877_7906	NW_004516910.1	Scaffold1806	7906	GG	TT	1940503455
SNP_P1_239878_7909	NW_004516910.1	Scaffold1806	7909	GG	CC	1940503457
SNP_P1_239879_7950	NW_004516910.1	Scaffold1806	7950	TT	AA	1940503459
SNP_P1_239880_8599	NW_004516910.1	Scaffold1806	8599	AA	GG	1940503462
SNP_P1_239881_8760	NW_004516910.1	Scaffold1806	8760	CC	GG	1940503464
SNP_P1_239882_8772	NW_004516910.1	Scaffold1806	8772	GG	AA	1940503466
SNP_P1_239883_8776	NW_004516910.1	Scaffold1806	8776	AA	GG	1940503468
SNP_P1_239884_23856	NW_004516910.1	Scaffold1806	23856	CC	TT	1940503470
SNP_P1_239885_23943	NW_004516910.1	Scaffold1806	23943	TT	AA	1940503472
SNP_P1_239886_23962	NW_004516910.1	Scaffold1806	23962	GG	AA	1940503474
SNP_P1_239887_24090	NW_004516910.1	Scaffold1806	24090	CC	TT	1940503476
SNP_P1_239888_24170	NW_004516910.1	Scaffold1806	24170	TT	AA	1940503479
SNP_P1_239889_24224	NW_004516910.1	Scaffold1806	24224	CC	AA	1940503481
SNP_P1_239890_24427	NW_004516910.1	Scaffold1806	24427	CC	AA	1940503483
SNP_P1_239891_24656	NW_004516910.1	Scaffold1806	24656	CC	TT	1940503485
SNP_P1_239893_24768	NW_004516910.1	Scaffold1806	24768	CC	AA	1940503487
SNP_P1_239894_24793	NW_004516910.1	Scaffold1806	24793	TT	AA	1940503489
SNP_P1_239895_25347	NW_004516910.1	Scaffold1806	25347	AA	CC	1940503491
SNP_P1_239896_25354	NW_004516910.1	Scaffold1806	25354	CC	GG	1940503493
SNP_P1_239897_25675	NW_004516910.1	Scaffold1806	25675	AA	GG	1940503496
SNP_P1_239898_26291	NW_004516910.1	Scaffold1806	26291	CC	TT	1940503498
SNP_P1_239899_26292	NW_004516910.1	Scaffold1806	26292	TT	CC	1940503500
SNP_P1_239900_26878	NW_004516910.1	Scaffold1806	26878	TT	AA	1940503502

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239902_27198	NW_004516910.1	Scaffold1806	27198	GG	AA	1940503506
SNP_P1_239903_27556	NW_004516910.1	Scaffold1806	27556	AA	CC	1940503508
SNP_P1_239904_27559	NW_004516910.1	Scaffold1806	27559	GG	TT	1940503511
SNP_P1_239905_27565	NW_004516910.1	Scaffold1806	27565	AA	GG	1940503513
SNP_P1_239906_28204	NW_004516910.1	Scaffold1806	28204	TT	CC	1940503515
SNP_P1_239907_28481	NW_004516910.1	Scaffold1806	28481	GG	AA	1940503517
SNP_P1_239908_28546	NW_004516910.1	Scaffold1806	28546	TT	CC	1940503519
SNP_P1_239909_417	NW_004516913.1	Scaffold1810	417	TT	CC	1940503521
SNP_P1_239910_473	NW_004516913.1	Scaffold1810	473	CC	GG	1940503523
SNP_P1_239911_498	NW_004516913.1	Scaffold1810	498	GG	AA	1940503526
SNP_P1_239912_519	NW_004516913.1	Scaffold1810	519	GG	AA	1940503528
SNP_P1_239913_535	NW_004516913.1	Scaffold1810	535	GG	AA	1940503530
SNP_P1_239914_691	NW_004516913.1	Scaffold1810	691	TT	AA	1940503532
SNP_P1_239915_731	NW_004516913.1	Scaffold1810	731	TT	GG	1940503534
SNP_P1_239916_969	NW_004516913.1	Scaffold1810	969	AA	TT	1940503536
SNP_P1_239917_1331	NW_004516913.1	Scaffold1810	1331	GG	AA	1940503538
SNP_P1_239918_1431	NW_004516913.1	Scaffold1810	1431	GG	AA	1940503540
SNP_P1_239919_1511	NW_004516913.1	Scaffold1810	1511	GG	AA	1940503543
SNP_P1_239920_1533	NW_004516913.1	Scaffold1810	1533	GG	TT	1940503545
SNP_P1_239921_1649	NW_004516913.1	Scaffold1810	1649	AA	CC	1940503547
SNP_P1_239922_1694	NW_004516913.1	Scaffold1810	1694	CC	TT	1940503549
SNP_P1_239923_1735	NW_004516913.1	Scaffold1810	1735	TT	AA	1940503551
SNP_P1_239924_1946	NW_004516913.1	Scaffold1810	1946	TT	AA	1940503553
SNP_P1_239925_2053	NW_004516913.1	Scaffold1810	2053	CC	TT	1940503555
SNP_P1_239926_2066	NW_004516913.1	Scaffold1810	2066	GG	AA	1940503557
SNP_P1_239927_2206	NW_004516913.1	Scaffold1810	2206	AA	CC	1940503560
SNP_P1_239928_2243	NW_004516913.1	Scaffold1810	2243	TT	CC	1940503562
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SNP_P1_239932_48301	NW_004516913.1	Scaffold1810	48301	AA	GG	1940503568
SNP_P1_239933_50482	NW_004516913.1	Scaffold1810	50482	TT	GG	1940503570
SNP_P1_239934_50484	NW_004516913.1	Scaffold1810	50484	TT	CC	1940503572
SNP_P1_239935_50497	NW_004516913.1	Scaffold1810	50497	AA	TT	1940503575
SNP_P1_239937_93850	NW_004516913.1	Scaffold1810	93850	GG	CC	1940503577
SNP_P1_239938_95353	NW_004516913.1	Scaffold1810	95353	TT	CC	1940503579
SNP_P1_239939_97906	NW_004516913.1	Scaffold1810	97906	GG	TT	1940503581
SNP_P1_239941_98595	NW_004516913.1	Scaffold1810	98595	TT	AA	1940503583
SNP_P1_239942_98663	NW_004516913.1	Scaffold1810	98663	AA	GG	1940503585
SNP_P1_239943_98676	NW_004516913.1	Scaffold1810	98676	CC	TT	1940503587
SNP_P1_239944_98679	NW_004516913.1	Scaffold1810	98679	CC	AA	1940503589
SNP_P1_239945_98752	NW_004516913.1	Scaffold1810	98752	GG	AA	1940503592

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_239947_101967	NW_004516913.1	Scaffold1810	101967	AA	TT	1940503596
SNP_P1_239948_102309	NW_004516913.1	Scaffold1810	102309	AA	GG	1940503598
SNP_P1_239949_103203	NW_004516913.1	Scaffold1810	103203	TT	CC	1940503600
SNP_P1_239950_103209	NW_004516913.1	Scaffold1810	103209	TT	GG	1940503602
SNP_P1_239952_103413	NW_004516913.1	Scaffold1810	103413	AA	GG	1940503604
SNP_P1_239953_103633	NW_004516913.1	Scaffold1810	103633	GG	AA	1940503606
SNP_P1_239954_103667	NW_004516913.1	Scaffold1810	103667	GG	TT	1940503609
SNP_P1_239957_103934	NW_004516913.1	Scaffold1810	103934	TT	CC	1940503611
SNP_P1_239958_105071	NW_004516913.1	Scaffold1810	105071	AA	TT	1940503613
SNP_P1_239959_105085	NW_004516913.1	Scaffold1810	105085	TT	AA	1940503615
SNP_P1_239960_105320	NW_004516913.1	Scaffold1810	105320	TT	AA	1940503617
SNP_P1_239961_92	NW_004516914.1	Scaffold1811	92	CC	GG	1940503619
SNP_P1_239962_105	NW_004516914.1	Scaffold1811	105	TT	CC	1940503621
SNP_P1_239963_1495	NW_004516916.1	Scaffold1813	1495	CC	TT	1940503623
SNP_P1_239964_1579	NW_004516916.1	Scaffold1813	1579	GG	AA	1940503626
SNP_P1_239965_1580	NW_004516916.1	Scaffold1813	1580	AA	GG	1940503628
SNP_P1_239966_268	NW_004516918.1	Scaffold1815	268	AA	GG	1940503630
SNP_P1_239967_337	NW_004516918.1	Scaffold1815	337	CC	TT	1940503632
SNP_P1_239968_626	NW_004516918.1	Scaffold1815	626	AA	GG	1940503634
SNP_P1_239969_5738	NW_004516918.1	Scaffold1815	5738	GG	AA	1940503636
SNP_P1_239971_8707	NW_004516918.1	Scaffold1815	8707	GG	CC	1940503638
SNP_P1_239972_8899	NW_004516918.1	Scaffold1815	8899	GG	TT	1940503640
SNP_P1_239973_8930	NW_004516918.1	Scaffold1815	8930	TT	CC	1940503642
SNP_P1_239974_8947	NW_004516918.1	Scaffold1815	8947	GG	AA	1940503644
SNP_P1_239975_9301	NW_004516918.1	Scaffold1815	9301	GG	AA	1940503647
SNP_P1_239976_9320	NW_004516918.1	Scaffold1815	9320	TT	CC	1940503649
SNP_P1_239977_9347	NW_004516918.1	Scaffold1815	9347	TT	AA	1940503651
SNP_P1_239978_12795	NW_004516918.1	Scaffold1815	12795	AA	GG	1940503653
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SNP_P1_239981_24135	NW_004516918.1	Scaffold1815	24135	TT	CC	1940503657
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SNP_P1_239983_31835	NW_004516918.1	Scaffold1815	31835	AA	GG	1940503662
SNP_P1_239984_31860	NW_004516918.1	Scaffold1815	31860	AA	GG	1940503664
SNP_P1_239985_34555	NW_004516918.1	Scaffold1815	34555	CC	TT	1940503666
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SNP_P1_239987_15682	NW_004516919.1	Scaffold1816	15682	AA	GG	1940503670
SNP_P1_239988_15928	NW_004516919.1	Scaffold1816	15928	CC	GG	1940503672
SNP_P1_239989_15966	NW_004516919.1	Scaffold1816	15966	TT	CC	1940503674
SNP_P1_239990_19267	NW_004516919.1	Scaffold1816	19267	TT	GG	1940503676
SNP_P1_239991_26240	NW_004516919.1	Scaffold1816	26240	TT	CC	1940503679
SNP_P1_239992_26302	NW_004516919.1	Scaffold1816	26302	CC	AA	1940503681

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_239993_26494	NW_004516919.1	Scaffold1816	26494	CC	TT	1940503683
SNP_P1_239994_26654	NW_004516919.1	Scaffold1816	26654	CC	GG	1940503685
SNP_P1_239995_27126	NW_004516919.1	Scaffold1816	27126	AA	TT	1940503687
SNP_P1_239996_27803	NW_004516919.1	Scaffold1816	27803	AA	CC	1940503689
SNP_P1_239997_27897	NW_004516919.1	Scaffold1816	27897	CC	AA	1940503691
SNP_P1_239998_28017	NW_004516919.1	Scaffold1816	28017	GG	TT	1940503693
SNP_P1_239999_28276	NW_004516919.1	Scaffold1816	28276	GG	AA	1940503696
SNP_P1_240000_28316	NW_004516919.1	Scaffold1816	28316	TT	GG	1940503698
SNP_P1_240001_28553	NW_004516919.1	Scaffold1816	28553	AA	TT	1940503700
SNP_P1_240002_52991	NW_004516919.1	Scaffold1816	52991	CC	AA	1940503702
SNP_P1_240003_52992	NW_004516919.1	Scaffold1816	52992	TT	CC	1940503704
SNP_P1_240004_52999	NW_004516919.1	Scaffold1816	52999	TT	CC	1940503706
SNP_P1_240005_53009	NW_004516919.1	Scaffold1816	53009	TT	CC	1940503708
SNP_P1_240006_53044	NW_004516919.1	Scaffold1816	53044	TT	AA	1940503710
SNP_P1_240007_53064	NW_004516919.1	Scaffold1816	53064	TT	CC	1940503713
SNP_P1_240008_53083	NW_004516919.1	Scaffold1816	53083	CC	GG	1940503715
SNP_P1_240009_53110	NW_004516919.1	Scaffold1816	53110	AA	GG	1940503717
SNP_P1_240010_53115	NW_004516919.1	Scaffold1816	53115	GG	AA	1940503719
SNP_P1_240011_53141	NW_004516919.1	Scaffold1816	53141	AA	GG	1940503721
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SNP_P1_240014_53347	NW_004516919.1	Scaffold1816	53347	CC	GG	1940503728
SNP_P1_240015_53349	NW_004516919.1	Scaffold1816	53349	AA	GG	1940503730
SNP_P1_240016_53367	NW_004516919.1	Scaffold1816	53367	AA	GG	1940503732
SNP_P1_240017_53386	NW_004516919.1	Scaffold1816	53386	TT	AA	1940503734
SNP_P1_240018_53496	NW_004516919.1	Scaffold1816	53496	GG	CC	1940503736
SNP_P1_240019_53552	NW_004516919.1	Scaffold1816	53552	TT	CC	1940503738
SNP_P1_240020_53582	NW_004516919.1	Scaffold1816	53582	CC	TT	1940503740
SNP_P1_240022_53666	NW_004516919.1	Scaffold1816	53666	CC	TT	1940503743
SNP_P1_240023_53686	NW_004516919.1	Scaffold1816	53686	TT	CC	1940503745
SNP_P1_240024_53752	NW_004516919.1	Scaffold1816	53752	CC	TT	1940503747
SNP_P1_240025_53754	NW_004516919.1	Scaffold1816	53754	CC	GG	1940503749
SNP_P1_240026_53765	NW_004516919.1	Scaffold1816	53765	CC	AA	1940503751
SNP_P1_240027_53815	NW_004516919.1	Scaffold1816	53815	TT	CC	1940503753
SNP_P1_240028_58760	NW_004516919.1	Scaffold1816	58760	GG	TT	1940503755
SNP_P1_240029_1810	NW_004516920.1	Scaffold1817	1810	TT	CC	1940503757
SNP_P1_240030_2982	NW_004516920.1	Scaffold1817	2982	GG	AA	1940503760
SNP_P1_240031_3298	NW_004516920.1	Scaffold1817	3298	AA	GG	1940503762
SNP_P1_240032_3336	NW_004516920.1	Scaffold1817	3336	TT	CC	1940503764
SNP_P1_240033_3403	NW_004516920.1	Scaffold1817	3403	TT	CC	1940503766
SNP_P1_240034_3432	NW_004516920.1	Scaffold1817	3432	TT	CC	1940503768
SNP_P1_240035_3679	NW_004516920.1	Scaffold1817	3679	CC	GG	1940503770

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240037_5542	NW_004516921.1	Scaffold1818	5542	CC	GG	1940503775
SNP_P1_240038_9126	NW_004516921.1	Scaffold1818	9126	AA	GG	1940503777
SNP_P1_240039_14717	NW_004516921.1	Scaffold1818	14717	AA	TT	1940503779
SNP_P1_240040_14733	NW_004516921.1	Scaffold1818	14733	CC	AA	1940503781
SNP_P1_240041_19312	NW_004516921.1	Scaffold1818	19312	AA	TT	1940503783
SNP_P1_240042_19595	NW_004516921.1	Scaffold1818	19595	CC	GG	1940503785
SNP_P1_240043_22425	NW_004516921.1	Scaffold1818	22425	TT	CC	1940503787
SNP_P1_240044_25839	NW_004516921.1	Scaffold1818	25839	GG	CC	1940503789
SNP_P1_240045_25843	NW_004516921.1	Scaffold1818	25843	TT	CC	1940503792
SNP_P1_240046_27278	NW_004516921.1	Scaffold1818	27278	AA	GG	1940503794
SNP_P1_240047_28531	NW_004516921.1	Scaffold1818	28531	TT	CC	1940503796
SNP_P1_240048_28603	NW_004516921.1	Scaffold1818	28603	AA	TT	1940503798
SNP_P1_240049_28630	NW_004516921.1	Scaffold1818	28630	GG	AA	1940503800
SNP_P1_240050_28652	NW_004516921.1	Scaffold1818	28652	CC	AA	1940503802
SNP_P1_240051_477	NW_004516923.1	Scaffold1820	477	GG	AA	1940503804
SNP_P1_240052_8597	NW_004516924.1	Scaffold1822	8597	TT	CC	1940503807
SNP_P1_240053_8781	NW_004516924.1	Scaffold1822	8781	GG	AA	1940503809
SNP_P1_240054_9238	NW_004516924.1	Scaffold1822	9238	AA	GG	1940503811
SNP_P1_240056_17423	NW_004516924.1	Scaffold1822	17423	TT	AA	1940503813
SNP_P1_240057_17507	NW_004516924.1	Scaffold1822	17507	TT	AA	1940503815
SNP_P1_240058_17528	NW_004516924.1	Scaffold1822	17528	AA	GG	1940503817
SNP_P1_240059_17533	NW_004516924.1	Scaffold1822	17533	GG	AA	1940503819
SNP_P1_240060_17846	NW_004516924.1	Scaffold1822	17846	CC	TT	1940503822
SNP_P1_240062_18270	NW_004516924.1	Scaffold1822	18270	GG	AA	1940503824
SNP_P1_240063_18282	NW_004516924.1	Scaffold1822	18282	AA	GG	1940503826
SNP_P1_240064_18301	NW_004516924.1	Scaffold1822	18301	TT	CC	1940503828
SNP_P1_240065_18329	NW_004516924.1	Scaffold1822	18329	CC	AA	1940503830
SNP_P1_240066_18332	NW_004516924.1	Scaffold1822	18332	GG	AA	1940503832
SNP_P1_240067_18349	NW_004516924.1	Scaffold1822	18349	CC	TT	1940503834
SNP_P1_240068_18419	NW_004516924.1	Scaffold1822	18419	CC	TT	1940503836
SNP_P1_240069_18427	NW_004516924.1	Scaffold1822	18427	TT	CC	1940503839
SNP_P1_240070_18430	NW_004516924.1	Scaffold1822	18430	AA	TT	1940503841
SNP_P1_240071_27090	NW_004516924.1	Scaffold1822	27090	CC	TT	1940503843
SNP_P1_240072_29541	NW_004516924.1	Scaffold1822	29541	AA	TT	1940503845
SNP_P1_240073_39662	NW_004516924.1	Scaffold1822	39662	GG	CC	1940503847
SNP_P1_240074_46394	NW_004516924.1	Scaffold1822	46394	TT	AA	1940503849
SNP_P1_240075_46900	NW_004516924.1	Scaffold1822	46900	GG	AA	1940503851
SNP_P1_240076_47089	NW_004516924.1	Scaffold1822	47089	TT	CC	1940503854
SNP_P1_240077_47134	NW_004516924.1	Scaffold1822	47134	TT	CC	1940503856
SNP_P1_240078_47157	NW_004516924.1	Scaffold1822	47157	AA	TT	1940503858
SNP_P1_240079_47286	NW_004516924.1	Scaffold1822	47286	TT	CC	1940503860

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240083_24626	NW_004516926.1	Scaffold1825	24626	TT	CC	1940503866
SNP_P1_240084_26068	NW_004516926.1	Scaffold1825	26068	GG	AA	1940503869
SNP_P1_240085_26276	NW_004516926.1	Scaffold1825	26276	CC	TT	1940503871
SNP_P1_240087_26422	NW_004516926.1	Scaffold1825	26422	TT	CC	1940503873
SNP_P1_240088_38954	NW_004516926.1	Scaffold1825	38954	CC	TT	1940503875
SNP_P1_240089_38974	NW_004516926.1	Scaffold1825	38974	CC	AA	1940503877
SNP_P1_240090_40444	NW_004516926.1	Scaffold1825	40444	CC	TT	1940503879
SNP_P1_240091_40788	NW_004516926.1	Scaffold1825	40788	CC	TT	1940503881
SNP_P1_240092_40826	NW_004516926.1	Scaffold1825	40826	TT	CC	1940503884
SNP_P1_240093_44200	NW_004516926.1	Scaffold1825	44200	AA	GG	1940503886
SNP_P1_240094_45493	NW_004516926.1	Scaffold1825	45493	AA	GG	1940503888
SNP_P1_240095_45909	NW_004516926.1	Scaffold1825	45909	GG	AA	1940503890
SNP_P1_240096_46325	NW_004516926.1	Scaffold1825	46325	AA	GG	1940503892
SNP_P1_240097_47832	NW_004516926.1	Scaffold1825	47832	TT	AA	1940503894
SNP_P1_240098_48808	NW_004516926.1	Scaffold1825	48808	CC	TT	1940503896
SNP_P1_240099_48840	NW_004516926.1	Scaffold1825	48840	GG	AA	1940503899
SNP_P1_240100_48858	NW_004516926.1	Scaffold1825	48858	TT	CC	1940503901
SNP_P1_240101_48876	NW_004516926.1	Scaffold1825	48876	CC	TT	1940503903
SNP_P1_240102_49133	NW_004516926.1	Scaffold1825	49133	GG	AA	1940503905
SNP_P1_240103_49266	NW_004516926.1	Scaffold1825	49266	GG	CC	1940503907
SNP_P1_240104_50535	NW_004516926.1	Scaffold1825	50535	CC	AA	1940503909
SNP_P1_240105_63509	NW_004516926.1	Scaffold1825	63509	TT	CC	1940503912
SNP_P1_240106_63565	NW_004516926.1	Scaffold1825	63565	TT	CC	1940503914
SNP_P1_240107_63787	NW_004516926.1	Scaffold1825	63787	GG	CC	1940503916
SNP_P1_240108_64269	NW_004516926.1	Scaffold1825	64269	GG	AA	1940503918
SNP_P1_240109_66867	NW_004516926.1	Scaffold1825	66867	CC	TT	1940503920
SNP_P1_240110_71341	NW_004516926.1	Scaffold1825	71341	CC	TT	1940503922
SNP_P1_240111_78317	NW_004516926.1	Scaffold1825	78317	AA	GG	1940503924
SNP_P1_240113_112049	NW_004516926.1	Scaffold1825	112049	AA	TT	1940503926
SNP_P1_240114_112050	NW_004516926.1	Scaffold1825	112050	TT	AA	1940503929
SNP_P1_240115_118214	NW_004516926.1	Scaffold1825	118214	GG	TT	1940503931
SNP_P1_240117_132222	NW_004516926.1	Scaffold1825	132222	CC	TT	1940503933
SNP_P1_240118_133693	NW_004516926.1	Scaffold1825	133693	CC	TT	1940503935
SNP_P1_240119_134910	NW_004516926.1	Scaffold1825	134910	TT	CC	1940503937
SNP_P1_240120_134964	NW_004516926.1	Scaffold1825	134964	AA	GG	1940503939
SNP_P1_240121_135657	NW_004516926.1	Scaffold1825	135657	AA	TT	1940503941
SNP_P1_240122_135658	NW_004516926.1	Scaffold1825	135658	TT	CC	1940503944
SNP_P1_240123_135705	NW_004516926.1	Scaffold1825	135705	GG	CC	1940503946
SNP_P1_240124_136637	NW_004516926.1	Scaffold1825	136637	TT	AA	1940503948
SNP_P1_240125_142323	NW_004516926.1	Scaffold1825	142323	CC	AA	1940503950

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240127_146908	NW_004516926.1	Scaffold1825	146908	AA	TT	1940503954
SNP_P1_240128_147746	NW_004516926.1	Scaffold1825	147746	TT	CC	1940503956
SNP_P1_240129_147754	NW_004516926.1	Scaffold1825	147754	GG	CC	1940503959
SNP_P1_240130_147774	NW_004516926.1	Scaffold1825	147774	GG	AA	1940503961
SNP_P1_240131_147783	NW_004516926.1	Scaffold1825	147783	GG	CC	1940503963
SNP_P1_240132_147811	NW_004516926.1	Scaffold1825	147811	GG	AA	1940503965
SNP_P1_240133_147835	NW_004516926.1	Scaffold1825	147835	TT	CC	1940503967
SNP_P1_240134_147842	NW_004516926.1	Scaffold1825	147842	AA	GG	1940503969
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SNP_P1_240137_148249	NW_004516926.1	Scaffold1825	148249	TT	CC	1940503974
SNP_P1_240138_149764	NW_004516926.1	Scaffold1825	149764	CC	TT	1940503976
SNP_P1_240139_149857	NW_004516926.1	Scaffold1825	149857	CC	TT	1940503978
SNP_P1_240140_150217	NW_004516926.1	Scaffold1825	150217	CC	TT	1940503980
SNP_P1_240141_153613	NW_004516926.1	Scaffold1825	153613	CC	TT	1940503982
SNP_P1_240142_156503	NW_004516926.1	Scaffold1825	156503	AA	GG	1940503984
SNP_P1_240143_350	NW_004516927.1	Scaffold1826	350	GG	TT	1940503986
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SNP_P1_240151_3179	NW_004516928.1	Scaffold1829	3179	GG	TT	1940503999
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SNP_P1_240168_35949	NW_004516929.1	Scaffold1830	35949	CC	AA	1940504033
SNP_P1_240169_36236	NW_004516929.1	Scaffold1830	36236	TT	AA	1940504036
SNP_P1_240170_39568	NW_004516929.1	Scaffold1830	39568	GG	AA	1940504038
SNP_P1_240171_43304	NW_004516929.1	Scaffold1830	43304	AA	CC	1940504040

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240174_104	NW_004516931.1	Scaffold1835	104	AA	TT	1940504046
SNP_P1_240175_558	NW_004516931.1	Scaffold1835	558	GG	AA	1940504048
SNP_P1_240176_666	NW_004516931.1	Scaffold1835	666	TT	GG	1940504051
SNP_P1_240177_758	NW_004516931.1	Scaffold1835	758	TT	CC	1940504053
SNP_P1_240178_988	NW_004516931.1	Scaffold1835	988	CC	AA	1940504055
SNP_P1_240179_1549	NW_004516931.1	Scaffold1835	1549	AA	GG	1940504057
SNP_P1_240180_1716	NW_004516931.1	Scaffold1835	1716	AA	GG	1940504059
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SNP_P1_240182_2038	NW_004516931.1	Scaffold1835	2038	AA	GG	1940504063
SNP_P1_240183_2044	NW_004516931.1	Scaffold1835	2044	TT	CC	1940504066
SNP_P1_240184_2068	NW_004516931.1	Scaffold1835	2068	CC	TT	1940504068
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SNP_P1_240197_6736	NW_004516931.1	Scaffold1835	6736	GG	AA	1940504096
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SNP_P1_240200_6803	NW_004516931.1	Scaffold1835	6803	GG	CC	1940504102
SNP_P1_240201_6812	NW_004516931.1	Scaffold1835	6812	TT	CC	1940504104
SNP_P1_240202_6814	NW_004516931.1	Scaffold1835	6814	GG	AA	1940504106
SNP_P1_240203_6823	NW_004516931.1	Scaffold1835	6823	GG	CC	1940504108
SNP_P1_240204_6839	NW_004516931.1	Scaffold1835	6839	AA	GG	1940504110
SNP_P1_240205_6859	NW_004516931.1	Scaffold1835	6859	GG	AA	1940504113
SNP_P1_240206_6860	NW_004516931.1	Scaffold1835	6860	CC	GG	1940504115
SNP_P1_240207_6863	NW_004516931.1	Scaffold1835	6863	GG	CC	1940504117
SNP_P1_240208_6874	NW_004516931.1	Scaffold1835	6874	GG	AA	1940504119
SNP_P1_240209_7138	NW_004516931.1	Scaffold1835	7138	TT	CC	1940504121
SNP_P1_240210_7149	NW_004516931.1	Scaffold1835	7149	AA	CC	1940504123
SNP_P1_240211_7297	NW_004516931.1	Scaffold1835	7297	TT	GG	1940504125
SNP_P1_240212_7300	NW_004516931.1	Scaffold1835	7300	CC	GG	1940504128
SNP_P1_240213_7303	NW_004516931.1	Scaffold1835	7303	TT	CC	1940504130

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240215_7559	NW_004516931.1	Scaffold1835	7559	CC	TT	1940504134
SNP_P1_240216_7710	NW_004516931.1	Scaffold1835	7710	GG	CC	1940504136
SNP_P1_240217_7766	NW_004516931.1	Scaffold1835	7766	CC	TT	1940504138
SNP_P1_240218_7829	NW_004516931.1	Scaffold1835	7829	AA	GG	1940504140
SNP_P1_240219_7977	NW_004516931.1	Scaffold1835	7977	AA	TT	1940504143
SNP_P1_240220_8026	NW_004516931.1	Scaffold1835	8026	AA	GG	1940504145
SNP_P1_240222_8207	NW_004516931.1	Scaffold1835	8207	GG	AA	1940504147
SNP_P1_240223_8208	NW_004516931.1	Scaffold1835	8208	CC	TT	1940504149
SNP_P1_240224_8324	NW_004516931.1	Scaffold1835	8324	CC	TT	1940504151
SNP_P1_240225_8339	NW_004516931.1	Scaffold1835	8339	CC	GG	1940504153
SNP_P1_240226_8341	NW_004516931.1	Scaffold1835	8341	GG	TT	1940504156
SNP_P1_240227_8404	NW_004516931.1	Scaffold1835	8404	TT	GG	1940504158
SNP_P1_240228_8438	NW_004516931.1	Scaffold1835	8438	TT	GG	1940504160
SNP_P1_240229_8456	NW_004516931.1	Scaffold1835	8456	AA	GG	1940504162
SNP_P1_240231_8515	NW_004516931.1	Scaffold1835	8515	GG	AA	1940504164
SNP_P1_240232_8762	NW_004516931.1	Scaffold1835	8762	GG	TT	1940504166
SNP_P1_240233_8831	NW_004516931.1	Scaffold1835	8831	CC	AA	1940504168
SNP_P1_240234_8927	NW_004516931.1	Scaffold1835	8927	AA	GG	1940504170
SNP_P1_240235_8991	NW_004516931.1	Scaffold1835	8991	AA	GG	1940504173
SNP_P1_240236_9417	NW_004516931.1	Scaffold1835	9417	CC	AA	1940504175
SNP_P1_240238_9498	NW_004516931.1	Scaffold1835	9498	AA	GG	1940504177
SNP_P1_240240_10187	NW_004516931.1	Scaffold1835	10187	AA	TT	1940504179
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SNP_P1_240243_11152	NW_004516931.1	Scaffold1835	11152	CC	AA	1940504185
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SNP_P1_240246_11545	NW_004516931.1	Scaffold1835	11545	GG	CC	1940504190
SNP_P1_240247_11566	NW_004516931.1	Scaffold1835	11566	CC	TT	1940504192
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SNP_P1_240254_26248	NW_004516931.1	Scaffold1835	26248	CC	TT	1940504207
SNP_P1_240255_26575	NW_004516931.1	Scaffold1835	26575	TT	CC	1940504209
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SNP_P1_240257_2025	NW_004516933.1	Scaffold1839	2025	CC	TT	1940504213
SNP_P1_240258_2030	NW_004516933.1	Scaffold1839	2030	AA	CC	1940504215
SNP_P1_240259_2031	NW_004516933.1	Scaffold1839	2031	AA	TT	1940504218
SNP_P1_240260_2040	NW_004516933.1	Scaffold1839	2040	AA	CC	1940504220

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240262_19126	NW_004516933.1	Scaffold1839	19126	AA	CC	1940504224
SNP_P1_240263_1189	NW_004516934.1	Scaffold1840	1189	GG	CC	1940504226
SNP_P1_240264_5873	NW_004516934.1	Scaffold1840	5873	GG	AA	1940504228
SNP_P1_240265_7199	NW_004516934.1	Scaffold1840	7199	CC	TT	1940504231
SNP_P1_240266_7615	NW_004516934.1	Scaffold1840	7615	CC	GG	1940504233
SNP_P1_240268_615	NW_004516937.1	Scaffold1844	615	AA	TT	1940504235
SNP_P1_240269_665	NW_004516937.1	Scaffold1844	665	AA	GG	1940504237
SNP_P1_240270_679	NW_004516937.1	Scaffold1844	679	GG	AA	1940504239
SNP_P1_240271_710	NW_004516937.1	Scaffold1844	710	TT	GG	1940504241
SNP_P1_240272_734	NW_004516937.1	Scaffold1844	734	AA	GG	1940504243
SNP_P1_240273_837	NW_004516937.1	Scaffold1844	837	AA	GG	1940504246
SNP_P1_240274_847	NW_004516937.1	Scaffold1844	847	CC	AA	1940504248
SNP_P1_240275_886	NW_004516937.1	Scaffold1844	886	CC	TT	1940504250
SNP_P1_240276_917	NW_004516937.1	Scaffold1844	917	CC	TT	1940504252
SNP_P1_240277_957	NW_004516937.1	Scaffold1844	957	TT	CC	1940504254
SNP_P1_240278_967	NW_004516937.1	Scaffold1844	967	TT	CC	1940504256
SNP_P1_240279_990	NW_004516937.1	Scaffold1844	990	TT	CC	1940504258
SNP_P1_240280_1035	NW_004516937.1	Scaffold1844	1035	AA	CC	1940504261
SNP_P1_240281_1228	NW_004516937.1	Scaffold1844	1228	AA	TT	1940504263
SNP_P1_240282_1686	NW_004516937.1	Scaffold1844	1686	GG	TT	1940504265
SNP_P1_240283_1701	NW_004516937.1	Scaffold1844	1701	CC	TT	1940504267
SNP_P1_240284_1777	NW_004516937.1	Scaffold1844	1777	GG	AA	1940504269
SNP_P1_240285_1881	NW_004516937.1	Scaffold1844	1881	TT	CC	1940504271
SNP_P1_240286_1932	NW_004516937.1	Scaffold1844	1932	AA	TT	1940504274
SNP_P1_240288_2126	NW_004516937.1	Scaffold1844	2126	AA	CC	1940504276
SNP_P1_240289_2146	NW_004516937.1	Scaffold1844	2146	TT	AA	1940504278
SNP_P1_240290_2154	NW_004516937.1	Scaffold1844	2154	TT	GG	1940504280
SNP_P1_240292_2240	NW_004516937.1	Scaffold1844	2240	TT	AA	1940504282
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SNP_P1_240294_2327	NW_004516937.1	Scaffold1844	2327	CC	AA	1940504286
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SNP_P1_240296_2462	NW_004516937.1	Scaffold1844	2462	TT	CC	1940504291
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SNP_P1_240298_2487	NW_004516937.1	Scaffold1844	2487	GG	TT	1940504295
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SNP_P1_240302_2733	NW_004516937.1	Scaffold1844	2733	GG	CC	1940504301
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SNP_P1_240306_6258	NW_004516937.1	Scaffold1844	6258	AA	CC	1940504308
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240311_10611	NW_004516937.1	Scaffold1844	10611	TT	AA	1940504316
SNP_P1_240312_10710	NW_004516937.1	Scaffold1844	10710	GG	CC	1940504318
SNP_P1_240313_10723	NW_004516937.1	Scaffold1844	10723	CC	TT	1940504321
SNP_P1_240314_10794	NW_004516937.1	Scaffold1844	10794	TT	AA	1940504323
SNP_P1_240315_10795	NW_004516937.1	Scaffold1844	10795	AA	TT	1940504325
SNP_P1_240316_10977	NW_004516937.1	Scaffold1844	10977	AA	CC	1940504327
SNP_P1_240317_11083	NW_004516937.1	Scaffold1844	11083	AA	GG	1940504329
SNP_P1_240318_12452	NW_004516937.1	Scaffold1844	12452	CC	GG	1940504331
SNP_P1_240319_12702	NW_004516937.1	Scaffold1844	12702	TT	CC	1940504333
SNP_P1_240320_12717	NW_004516937.1	Scaffold1844	12717	TT	CC	1940504336
SNP_P1_240321_12728	NW_004516937.1	Scaffold1844	12728	CC	TT	1940504338
SNP_P1_240322_12745	NW_004516937.1	Scaffold1844	12745	AA	GG	1940504340
SNP_P1_240323_12805	NW_004516937.1	Scaffold1844	12805	GG	AA	1940504342
SNP_P1_240324_12816	NW_004516937.1	Scaffold1844	12816	AA	TT	1940504344
SNP_P1_240325_12819	NW_004516937.1	Scaffold1844	12819	AA	GG	1940504346
SNP_P1_240326_15930	NW_004516937.1	Scaffold1844	15930	CC	TT	1940504348
SNP_P1_240327_15936	NW_004516937.1	Scaffold1844	15936	AA	TT	1940504351
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SNP_P1_240329_15981	NW_004516937.1	Scaffold1844	15981	AA	TT	1940504355
SNP_P1_240330_16615	NW_004516937.1	Scaffold1844	16615	TT	CC	1940504357
SNP_P1_240331_16906	NW_004516937.1	Scaffold1844	16906	AA	TT	1940504359
SNP_P1_240332_16918	NW_004516937.1	Scaffold1844	16918	GG	TT	1940504361
SNP_P1_240333_16929	NW_004516937.1	Scaffold1844	16929	AA	TT	1940504363
SNP_P1_240334_16947	NW_004516937.1	Scaffold1844	16947	CC	TT	1940504366
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SNP_P1_240340_23364	NW_004516937.1	Scaffold1844	23364	GG	TT	1940504376
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SNP_P1_240350_34306	NW_004516937.1	Scaffold1844	34306	AA	GG	1940504396
SNP_P1_240351_34360	NW_004516937.1	Scaffold1844	34360	GG	TT	1940504398
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240360_34979	NW_004516937.1	Scaffold1844	34979	GG	CC	1940504415
SNP_P1_240361_35346	NW_004516937.1	Scaffold1844	35346	GG	TT	1940504417
SNP_P1_240362_35349	NW_004516937.1	Scaffold1844	35349	GG	CC	1940504419
SNP_P1_240363_39679	NW_004516937.1	Scaffold1844	39679	GG	CC	1940504421
SNP_P1_240364_40856	NW_004516937.1	Scaffold1844	40856	CC	GG	1940504423
SNP_P1_240366_54795	NW_004516937.1	Scaffold1844	54795	TT	CC	1940504426
SNP_P1_240367_55120	NW_004516937.1	Scaffold1844	55120	GG	CC	1940504428
SNP_P1_240368_55352	NW_004516937.1	Scaffold1844	55352	AA	GG	1940504430
SNP_P1_240369_57163	NW_004516937.1	Scaffold1844	57163	GG	AA	1940504432
SNP_P1_240370_57829	NW_004516937.1	Scaffold1844	57829	TT	AA	1940504434
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SNP_P1_240382_77363	NW_004516937.1	Scaffold1844	77363	AA	GG	1940504460
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SNP_P1_240384_79417	NW_004516937.1	Scaffold1844	79417	AA	GG	1940504464
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SNP_P1_240396_94085	NW_004516937.1	Scaffold1844	94085	TT	AA	1940504488
SNP_P1_240397_94830	NW_004516937.1	Scaffold1844	94830	AA	GG	1940504490

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240401_96019	NW_004516937.1	Scaffold1844	96019	TT	CC	1940504499
SNP_P1_240402_96340	NW_004516937.1	Scaffold1844	96340	TT	AA	1940504501
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SNP_P1_240406_97173	NW_004516937.1	Scaffold1844	97173	AA	GG	1940504509
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SNP_P1_240418_100783	NW_004516937.1	Scaffold1844	100783	CC	GG	1940504529
SNP_P1_240419_100837	NW_004516937.1	Scaffold1844	100837	AA	GG	1940504531
SNP_P1_240420_100842	NW_004516937.1	Scaffold1844	100842	GG	AA	1940504533
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SNP_P1_240425_101014	NW_004516937.1	Scaffold1844	101014	TT	CC	1940504543
SNP_P1_240427_101571	NW_004516937.1	Scaffold1844	101571	TT	CC	1940504546
SNP_P1_240428_102202	NW_004516937.1	Scaffold1844	102202	AA	TT	1940504548
SNP_P1_240430_104181	NW_004516937.1	Scaffold1844	104181	CC	TT	1940504550
SNP_P1_240432_107868	NW_004516937.1	Scaffold1844	107868	TT	AA	1940504552
SNP_P1_240433_108212	NW_004516937.1	Scaffold1844	108212	AA	GG	1940504554
SNP_P1_240434_108633	NW_004516937.1	Scaffold1844	108633	CC	GG	1940504556
SNP_P1_240435_108676	NW_004516937.1	Scaffold1844	108676	TT	CC	1940504558
SNP_P1_240436_110806	NW_004516937.1	Scaffold1844	110806	AA	GG	1940504561
SNP_P1_240437_111267	NW_004516937.1	Scaffold1844	111267	AA	GG	1940504563
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SNP_P1_240439_111679	NW_004516937.1	Scaffold1844	111679	CC	TT	1940504567
SNP_P1_240440_111768	NW_004516937.1	Scaffold1844	111768	AA	GG	1940504569
SNP_P1_240441_112245	NW_004516937.1	Scaffold1844	112245	CC	TT	1940504571
SNP_P1_240443_112919	NW_004516937.1	Scaffold1844	112919	CC	GG	1940504573
SNP_P1_240444_113222	NW_004516937.1	Scaffold1844	113222	AA	CC	1940504576
SNP_P1_240445_114025	NW_004516937.1	Scaffold1844	114025	CC	TT	1940504578
SNP_P1_240447_114320	NW_004516937.1	Scaffold1844	114320	CC	GG	1940504580

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240449_115407	NW_004516937.1	Scaffold1844	115407	GG	AA	1940504584
SNP_P1_240450_115416	NW_004516937.1	Scaffold1844	115416	AA	CC	1940504586
SNP_P1_240451_115468	NW_004516937.1	Scaffold1844	115468	CC	TT	1940504588
SNP_P1_240452_115470	NW_004516937.1	Scaffold1844	115470	AA	TT	1940504591
SNP_P1_240453_115487	NW_004516937.1	Scaffold1844	115487	CC	TT	1940504593
SNP_P1_240454_115492	NW_004516937.1	Scaffold1844	115492	CC	AA	1940504595
SNP_P1_240455_115493	NW_004516937.1	Scaffold1844	115493	GG	AA	1940504597
SNP_P1_240456_115496	NW_004516937.1	Scaffold1844	115496	GG	AA	1940504599
SNP_P1_240457_115514	NW_004516937.1	Scaffold1844	115514	TT	GG	1940504601
SNP_P1_240458_115520	NW_004516937.1	Scaffold1844	115520	AA	TT	1940504603
SNP_P1_240459_116673	NW_004516937.1	Scaffold1844	116673	AA	TT	1940504605
SNP_P1_240460_118590	NW_004516937.1	Scaffold1844	118590	AA	GG	1940504608
SNP_P1_240461_118606	NW_004516937.1	Scaffold1844	118606	CC	AA	1940504610
SNP_P1_240462_118619	NW_004516937.1	Scaffold1844	118619	CC	TT	1940504612
SNP_P1_240463_118799	NW_004516937.1	Scaffold1844	118799	TT	CC	1940504614
SNP_P1_240464_118884	NW_004516937.1	Scaffold1844	118884	GG	AA	1940504616
SNP_P1_240465_118888	NW_004516937.1	Scaffold1844	118888	GG	TT	1940504618
SNP_P1_240466_118891	NW_004516937.1	Scaffold1844	118891	AA	GG	1940504620
SNP_P1_240467_118892	NW_004516937.1	Scaffold1844	118892	CC	TT	1940504623
SNP_P1_240468_118932	NW_004516937.1	Scaffold1844	118932	GG	AA	1940504625
SNP_P1_240469_118990	NW_004516937.1	Scaffold1844	118990	TT	CC	1940504627
SNP_P1_240470_119007	NW_004516937.1	Scaffold1844	119007	CC	TT	1940504629
SNP_P1_240471_119017	NW_004516937.1	Scaffold1844	119017	CC	TT	1940504631
SNP_P1_240472_119186	NW_004516937.1	Scaffold1844	119186	CC	TT	1940504633
SNP_P1_240473_119199	NW_004516937.1	Scaffold1844	119199	TT	GG	1940504635
SNP_P1_240474_119244	NW_004516937.1	Scaffold1844	119244	TT	AA	1940504638
SNP_P1_240475_119288	NW_004516937.1	Scaffold1844	119288	GG	AA	1940504640
SNP_P1_240476_119442	NW_004516937.1	Scaffold1844	119442	GG	AA	1940504642
SNP_P1_240477_119491	NW_004516937.1	Scaffold1844	119491	CC	TT	1940504644
SNP_P1_240478_119517	NW_004516937.1	Scaffold1844	119517	GG	TT	1940504646
SNP_P1_240479_119527	NW_004516937.1	Scaffold1844	119527	TT	AA	1940504648
SNP_P1_240480_119529	NW_004516937.1	Scaffold1844	119529	CC	TT	1940504650
SNP_P1_240481_119545	NW_004516937.1	Scaffold1844	119545	CC	AA	1940504652
SNP_P1_240482_119557	NW_004516937.1	Scaffold1844	119557	AA	CC	1940504655
SNP_P1_240483_119797	NW_004516937.1	Scaffold1844	119797	CC	TT	1940504657
SNP_P1_240484_119839	NW_004516937.1	Scaffold1844	119839	GG	AA	1940504659
SNP_P1_240486_120186	NW_004516937.1	Scaffold1844	120186	AA	GG	1940504661
SNP_P1_240487_120197	NW_004516937.1	Scaffold1844	120197	CC	TT	1940504663
SNP_P1_240488_120227	NW_004516937.1	Scaffold1844	120227	TT	CC	1940504665
SNP_P1_240489_120594	NW_004516937.1	Scaffold1844	120594	AA	GG	1940504667
SNP_P1_240490_120599	NW_004516937.1	Scaffold1844	120599	AA	GG	1940504670

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240493_121176	NW_004516937.1	Scaffold1844	121176	CC	AA	1940504674
SNP_P1_240494_121191	NW_004516937.1	Scaffold1844	121191	CC	GG	1940504676
SNP_P1_240495_122914	NW_004516937.1	Scaffold1844	122914	AA	TT	1940504678
SNP_P1_240497_123434	NW_004516937.1	Scaffold1844	123434	AA	TT	1940504680
SNP_P1_240498_134053	NW_004516937.1	Scaffold1844	134053	GG	TT	1940504682
SNP_P1_240499_134194	NW_004516937.1	Scaffold1844	134194	TT	AA	1940504685
SNP_P1_240500_134285	NW_004516937.1	Scaffold1844	134285	AA	GG	1940504687
SNP_P1_240501_134351	NW_004516937.1	Scaffold1844	134351	TT	AA	1940504689
SNP_P1_240502_134376	NW_004516937.1	Scaffold1844	134376	AA	TT	1940504691
SNP_P1_240503_134896	NW_004516937.1	Scaffold1844	134896	GG	AA	1940504693
SNP_P1_240504_135484	NW_004516937.1	Scaffold1844	135484	TT	AA	1940504695
SNP_P1_240505_135534	NW_004516937.1	Scaffold1844	135534	TT	AA	1940504697
SNP_P1_240506_135555	NW_004516937.1	Scaffold1844	135555	GG	CC	1940504700
SNP_P1_240507_136093	NW_004516937.1	Scaffold1844	136093	TT	AA	1940504702
SNP_P1_240508_136109	NW_004516937.1	Scaffold1844	136109	TT	CC	1940504704
SNP_P1_240509_136171	NW_004516937.1	Scaffold1844	136171	AA	GG	1940504706
SNP_P1_240511_136336	NW_004516937.1	Scaffold1844	136336	CC	GG	1940504708
SNP_P1_240512_136457	NW_004516937.1	Scaffold1844	136457	CC	AA	1940504710
SNP_P1_240514_136530	NW_004516937.1	Scaffold1844	136530	AA	GG	1940504712
SNP_P1_240515_137451	NW_004516937.1	Scaffold1844	137451	GG	TT	1940504715
SNP_P1_240516_137455	NW_004516937.1	Scaffold1844	137455	GG	TT	1940504717
SNP_P1_240517_137578	NW_004516937.1	Scaffold1844	137578	TT	AA	1940504719
SNP_P1_240518_137901	NW_004516937.1	Scaffold1844	137901	TT	GG	1940504721
SNP_P1_240519_137943	NW_004516937.1	Scaffold1844	137943	GG	AA	1940504723
SNP_P1_240520_137950	NW_004516937.1	Scaffold1844	137950	AA	TT	1940504725
SNP_P1_240522_137986	NW_004516937.1	Scaffold1844	137986	TT	CC	1940504727
SNP_P1_240523_138434	NW_004516937.1	Scaffold1844	138434	GG	AA	1940504730
SNP_P1_240524_138437	NW_004516937.1	Scaffold1844	138437	CC	TT	1940504732
SNP_P1_240525_138456	NW_004516937.1	Scaffold1844	138456	TT	CC	1940504734
SNP_P1_240526_138893	NW_004516937.1	Scaffold1844	138893	CC	TT	1940504736
SNP_P1_240527_139034	NW_004516937.1	Scaffold1844	139034	CC	AA	1940504738
SNP_P1_240528_141195	NW_004516937.1	Scaffold1844	141195	AA	TT	1940504740
SNP_P1_240529_141740	NW_004516937.1	Scaffold1844	141740	AA	TT	1940504742
SNP_P1_240530_141825	NW_004516937.1	Scaffold1844	141825	TT	GG	1940504744
SNP_P1_240531_141987	NW_004516937.1	Scaffold1844	141987	CC	TT	1940504747
SNP_P1_240532_142008	NW_004516937.1	Scaffold1844	142008	CC	TT	1940504749
SNP_P1_240533_142066	NW_004516937.1	Scaffold1844	142066	CC	GG	1940504751
SNP_P1_240534_142312	NW_004516937.1	Scaffold1844	142312	CC	TT	1940504753
SNP_P1_240535_142328	NW_004516937.1	Scaffold1844	142328	TT	CC	1940504755
SNP_P1_240536_142342	NW_004516937.1	Scaffold1844	142342	TT	CC	1940504757
SNP_P1_240537_142379	NW_004516937.1	Scaffold1844	142379	TT	CC	1940504759

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240539_144004	NW_004516937.1	Scaffold1844	144004	GG	CC	1940504764
SNP_P1_240540_144161	NW_004516937.1	Scaffold1844	144161	AA	GG	1940504766
SNP_P1_240543_145038	NW_004516937.1	Scaffold1844	145038	GG	TT	1940504768
SNP_P1_240544_145056	NW_004516937.1	Scaffold1844	145056	GG	AA	1940504770
SNP_P1_240545_145095	NW_004516937.1	Scaffold1844	145095	AA	TT	1940504772
SNP_P1_240546_145397	NW_004516937.1	Scaffold1844	145397	TT	AA	1940504775
SNP_P1_240547_145472	NW_004516937.1	Scaffold1844	145472	GG	TT	1940504777
SNP_P1_240548_145694	NW_004516937.1	Scaffold1844	145694	GG	TT	1940504779
SNP_P1_240549_145781	NW_004516937.1	Scaffold1844	145781	GG	AA	1940504781
SNP_P1_240550_145873	NW_004516937.1	Scaffold1844	145873	GG	TT	1940504783
SNP_P1_240551_145877	NW_004516937.1	Scaffold1844	145877	TT	CC	1940504785
SNP_P1_240552_145894	NW_004516937.1	Scaffold1844	145894	GG	AA	1940504787
SNP_P1_240553_145903	NW_004516937.1	Scaffold1844	145903	CC	TT	1940504789
SNP_P1_240554_145933	NW_004516937.1	Scaffold1844	145933	AA	GG	1940504792
SNP_P1_240555_146095	NW_004516937.1	Scaffold1844	146095	TT	GG	1940504794
SNP_P1_240557_146315	NW_004516937.1	Scaffold1844	146315	AA	GG	1940504796
SNP_P1_240558_146343	NW_004516937.1	Scaffold1844	146343	CC	TT	1940504798
SNP_P1_240559_146366	NW_004516937.1	Scaffold1844	146366	TT	GG	1940504800
SNP_P1_240560_146531	NW_004516937.1	Scaffold1844	146531	AA	GG	1940504802
SNP_P1_240561_146596	NW_004516937.1	Scaffold1844	146596	TT	AA	1940504805
SNP_P1_240562_146602	NW_004516937.1	Scaffold1844	146602	CC	AA	1940504807
SNP_P1_240563_146739	NW_004516937.1	Scaffold1844	146739	AA	TT	1940504809
SNP_P1_240564_146770	NW_004516937.1	Scaffold1844	146770	GG	CC	1940504811
SNP_P1_240566_147297	NW_004516937.1	Scaffold1844	147297	CC	AA	1940504813
SNP_P1_240567_147334	NW_004516937.1	Scaffold1844	147334	CC	GG	1940504815
SNP_P1_240568_147570	NW_004516937.1	Scaffold1844	147570	CC	TT	1940504817
SNP_P1_240569_148097	NW_004516937.1	Scaffold1844	148097	AA	TT	1940504819
SNP_P1_240570_148327	NW_004516937.1	Scaffold1844	148327	TT	GG	1940504822
SNP_P1_240571_148364	NW_004516937.1	Scaffold1844	148364	CC	TT	1940504824
SNP_P1_240572_148368	NW_004516937.1	Scaffold1844	148368	GG	AA	1940504826
SNP_P1_240573_148555	NW_004516937.1	Scaffold1844	148555	CC	GG	1940504828
SNP_P1_240574_148714	NW_004516937.1	Scaffold1844	148714	CC	AA	1940504830
SNP_P1_240575_148857	NW_004516937.1	Scaffold1844	148857	AA	CC	1940504832
SNP_P1_240576_149012	NW_004516937.1	Scaffold1844	149012	AA	GG	1940504834
SNP_P1_240578_151661	NW_004516937.1	Scaffold1844	151661	AA	GG	1940504837
SNP_P1_240579_151728	NW_004516937.1	Scaffold1844	151728	CC	TT	1940504839
SNP_P1_240580_152043	NW_004516937.1	Scaffold1844	152043	CC	TT	1940504841
SNP_P1_240581_152341	NW_004516937.1	Scaffold1844	152341	AA	CC	1940504843
SNP_P1_240582_154904	NW_004516937.1	Scaffold1844	154904	GG	TT	1940504845
SNP_P1_240583_155761	NW_004516937.1	Scaffold1844	155761	CC	TT	1940504847
SNP_P1_240584_155804	NW_004516937.1	Scaffold1844	155804	GG	AA	1940504849

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240587_157106	NW_004516937.1	Scaffold1844	157106	CC	TT	1940504854
SNP_P1_240588_157438	NW_004516937.1	Scaffold1844	157438	TT	CC	1940504856
SNP_P1_240589_157447	NW_004516937.1	Scaffold1844	157447	CC	TT	1940504858
SNP_P1_240590_157464	NW_004516937.1	Scaffold1844	157464	TT	GG	1940504860
SNP_P1_240591_157534	NW_004516937.1	Scaffold1844	157534	TT	CC	1940504862
SNP_P1_240592_157540	NW_004516937.1	Scaffold1844	157540	CC	AA	1940504864
SNP_P1_240593_157549	NW_004516937.1	Scaffold1844	157549	TT	AA	1940504867
SNP_P1_240594_157821	NW_004516937.1	Scaffold1844	157821	TT	AA	1940504869
SNP_P1_240596_163122	NW_004516937.1	Scaffold1844	163122	TT	CC	1940504871
SNP_P1_240597_163893	NW_004516937.1	Scaffold1844	163893	GG	AA	1940504873
SNP_P1_240598_163901	NW_004516937.1	Scaffold1844	163901	GG	AA	1940504875
SNP_P1_240599_164652	NW_004516937.1	Scaffold1844	164652	TT	CC	1940504877
SNP_P1_240601_166612	NW_004516937.1	Scaffold1844	166612	TT	GG	1940504879
SNP_P1_240604_166906	NW_004516937.1	Scaffold1844	166906	TT	CC	1940504882
SNP_P1_240605_166980	NW_004516937.1	Scaffold1844	166980	TT	CC	1940504884
SNP_P1_240606_167034	NW_004516937.1	Scaffold1844	167034	TT	GG	1940504886
SNP_P1_240607_167045	NW_004516937.1	Scaffold1844	167045	TT	CC	1940504888
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SNP_P1_240609_167103	NW_004516937.1	Scaffold1844	167103	AA	GG	1940504892
SNP_P1_240610_167132	NW_004516937.1	Scaffold1844	167132	CC	TT	1940504894
SNP_P1_240611_167141	NW_004516937.1	Scaffold1844	167141	CC	TT	1940504897
SNP_P1_240612_167163	NW_004516937.1	Scaffold1844	167163	AA	TT	1940504899
SNP_P1_240613_167164	NW_004516937.1	Scaffold1844	167164	AA	TT	1940504901
SNP_P1_240615_167266	NW_004516937.1	Scaffold1844	167266	TT	AA	1940504903
SNP_P1_240616_167317	NW_004516937.1	Scaffold1844	167317	GG	TT	1940504905
SNP_P1_240617_167318	NW_004516937.1	Scaffold1844	167318	TT	GG	1940504907
SNP_P1_240618_167324	NW_004516937.1	Scaffold1844	167324	CC	TT	1940504909
SNP_P1_240620_167462	NW_004516937.1	Scaffold1844	167462	AA	CC	1940504912
SNP_P1_240621_167466	NW_004516937.1	Scaffold1844	167466	TT	GG	1940504914
SNP_P1_240622_167549	NW_004516937.1	Scaffold1844	167549	GG	TT	1940504916
SNP_P1_240623_167554	NW_004516937.1	Scaffold1844	167554	AA	GG	1940504918
SNP_P1_240624_167602	NW_004516937.1	Scaffold1844	167602	CC	TT	1940504920
SNP_P1_240625_167639	NW_004516937.1	Scaffold1844	167639	GG	TT	1940504922
SNP_P1_240626_167909	NW_004516937.1	Scaffold1844	167909	AA	TT	1940504924
SNP_P1_240627_167996	NW_004516937.1	Scaffold1844	167996	CC	GG	1940504927
SNP_P1_240628_6761	NW_004516938.1	Scaffold1845	6761	CC	AA	1940504929
SNP_P1_240630_7389	NW_004516938.1	Scaffold1845	7389	CC	TT	1940504931
SNP_P1_240632_8057	NW_004516938.1	Scaffold1845	8057	TT	CC	1940504933
SNP_P1_240633_15376	NW_004516938.1	Scaffold1845	15376	GG	TT	1940504935
SNP_P1_240634_15470	NW_004516938.1	Scaffold1845	15470	TT	CC	1940504937
SNP_P1_240635_15483	NW_004516938.1	Scaffold1845	15483	AA	GG	1940504939

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240637_15525	NW_004516938.1	Scaffold1845	15525	AA	CC	1940504944
SNP_P1_240639_16034	NW_004516938.1	Scaffold1845	16034	GG	AA	1940504946
SNP_P1_240640_16169	NW_004516938.1	Scaffold1845	16169	TT	CC	1940504948
SNP_P1_240641_20262	NW_004516938.1	Scaffold1845	20262	CC	TT	1940504950
SNP_P1_240642_24686	NW_004516938.1	Scaffold1845	24686	AA	TT	1940504952
SNP_P1_240643_26373	NW_004516938.1	Scaffold1845	26373	TT	CC	1940504954
SNP_P1_240644_28429	NW_004516938.1	Scaffold1845	28429	GG	AA	1940504957
SNP_P1_240645_28566	NW_004516938.1	Scaffold1845	28566	AA	GG	1940504959
SNP_P1_240646_28644	NW_004516938.1	Scaffold1845	28644	TT	GG	1940504961
SNP_P1_240647_28787	NW_004516938.1	Scaffold1845	28787	CC	AA	1940504963
SNP_P1_240648_28790	NW_004516938.1	Scaffold1845	28790	AA	GG	1940504965
SNP_P1_240649_28820	NW_004516938.1	Scaffold1845	28820	AA	CC	1940504967
SNP_P1_240650_28842	NW_004516938.1	Scaffold1845	28842	CC	GG	1940504969
SNP_P1_240651_28860	NW_004516938.1	Scaffold1845	28860	GG	AA	1940504972
SNP_P1_240652_28916	NW_004516938.1	Scaffold1845	28916	AA	CC	1940504974
SNP_P1_240653_28937	NW_004516938.1	Scaffold1845	28937	TT	GG	1940504976
SNP_P1_240654_29521	NW_004516938.1	Scaffold1845	29521	GG	AA	1940504978
SNP_P1_240655_31613	NW_004516938.1	Scaffold1845	31613	AA	TT	1940504980
SNP_P1_240656_31662	NW_004516938.1	Scaffold1845	31662	GG	AA	1940504982
SNP_P1_240657_32267	NW_004516938.1	Scaffold1845	32267	AA	TT	1940504984
SNP_P1_240658_33267	NW_004516938.1	Scaffold1845	33267	AA	TT	1940504987
SNP_P1_240659_34803	NW_004516938.1	Scaffold1845	34803	CC	GG	1940504989
SNP_P1_240662_40560	NW_004516938.1	Scaffold1845	40560	AA	GG	1940504991
SNP_P1_240663_42437	NW_004516938.1	Scaffold1845	42437	AA	CC	1940504993
SNP_P1_240664_42536	NW_004516938.1	Scaffold1845	42536	TT	CC	1940504995
SNP_P1_240665_43159	NW_004516938.1	Scaffold1845	43159	TT	CC	1940504997
SNP_P1_240666_43267	NW_004516938.1	Scaffold1845	43267	GG	AA	1940504999
SNP_P1_240667_44439	NW_004516938.1	Scaffold1845	44439	GG	AA	1940505002
SNP_P1_240668_45747	NW_004516938.1	Scaffold1845	45747	TT	AA	1940505004
SNP_P1_240669_46782	NW_004516938.1	Scaffold1845	46782	GG	CC	1940505006
SNP_P1_240671_49322	NW_004516938.1	Scaffold1845	49322	GG	AA	1940505008
SNP_P1_240672_50886	NW_004516938.1	Scaffold1845	50886	CC	TT	1940505010
SNP_P1_240673_51854	NW_004516938.1	Scaffold1845	51854	AA	GG	1940505012
SNP_P1_240674_52206	NW_004516938.1	Scaffold1845	52206	AA	GG	1940505014
SNP_P1_240675_52808	NW_004516938.1	Scaffold1845	52808	TT	GG	1940505016
SNP_P1_240676_53106	NW_004516938.1	Scaffold1845	53106	GG	AA	1940505019
SNP_P1_240677_55888	NW_004516938.1	Scaffold1845	55888	CC	TT	1940505021
SNP_P1_240678_56891	NW_004516938.1	Scaffold1845	56891	AA	CC	1940505023
SNP_P1_240679_56909	NW_004516938.1	Scaffold1845	56909	TT	AA	1940505025
SNP_P1_240680_58987	NW_004516938.1	Scaffold1845	58987	CC	TT	1940505027
SNP_P1_240681_61997	NW_004516938.1	Scaffold1845	61997	GG	AA	1940505029

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_240682_63028	NW_004516938.1	Scaffold1845	63028	GG	AA	1940505031
SNP_P1_240683_67948	NW_004516938.1	Scaffold1845	67948	AA	GG	1940505034
SNP_P1_240684_69428	NW_004516938.1	Scaffold1845	69428	GG	AA	1940505036
SNP_P1_240685_71247	NW_004516938.1	Scaffold1845	71247	GG	TT	1940505038
SNP_P1_240687_77567	NW_004516938.1	Scaffold1845	77567	AA	GG	1940505040
SNP_P1_240688_79251	NW_004516938.1	Scaffold1845	79251	AA	TT	1940505042
SNP_P1_240689_79260	NW_004516938.1	Scaffold1845	79260	TT	AA	1940505044
SNP_P1_240690_79309	NW_004516938.1	Scaffold1845	79309	GG	AA	1940505046
SNP_P1_240691_79738	NW_004516938.1	Scaffold1845	79738	TT	AA	1940505049
SNP_P1_240692_80547	NW_004516938.1	Scaffold1845	80547	TT	GG	1940505051
SNP_P1_240693_81179	NW_004516938.1	Scaffold1845	81179	TT	CC	1940505053
SNP_P1_240694_81536	NW_004516938.1	Scaffold1845	81536	AA	TT	1940505055
SNP_P1_240695_82017	NW_004516938.1	Scaffold1845	82017	GG	AA	1940505057
SNP_P1_240696_82226	NW_004516938.1	Scaffold1845	82226	AA	GG	1940505059
SNP_P1_240697_83611	NW_004516938.1	Scaffold1845	83611	TT	CC	1940505061
SNP_P1_240698_84120	NW_004516938.1	Scaffold1845	84120	AA	TT	1940505064
SNP_P1_240699_85111	NW_004516938.1	Scaffold1845	85111	GG	AA	1940505066
SNP_P1_240700_85561	NW_004516938.1	Scaffold1845	85561	TT	CC	1940505068
SNP_P1_240703_96488	NW_004516938.1	Scaffold1845	96488	GG	AA	1940505070
SNP_P1_240704_97089	NW_004516938.1	Scaffold1845	97089	CC	GG	1940505072
SNP_P1_240705_98197	NW_004516938.1	Scaffold1845	98197	GG	CC	1940505074
SNP_P1_240706_98591	NW_004516938.1	Scaffold1845	98591	AA	GG	1940505076
SNP_P1_240707_99875	NW_004516938.1	Scaffold1845	99875	TT	CC	1940505078
SNP_P1_240708_100414	NW_004516938.1	Scaffold1845	100414	CC	AA	1940505081
SNP_P1_240709_104135	NW_004516938.1	Scaffold1845	104135	TT	CC	1940505083
SNP_P1_240710_104511	NW_004516938.1	Scaffold1845	104511	TT	CC	1940505085
SNP_P1_240711_105518	NW_004516938.1	Scaffold1845	105518	AA	GG	1940505087
SNP_P1_240712_107281	NW_004516938.1	Scaffold1845	107281	TT	CC	1940505089
SNP_P1_240713_107282	NW_004516938.1	Scaffold1845	107282	GG	AA	1940505091
SNP_P1_240714_107776	NW_004516938.1	Scaffold1845	107776	TT	GG	1940505093
SNP_P1_240715_117949	NW_004516938.1	Scaffold1845	117949	CC	TT	1940505096
SNP_P1_240717_124382	NW_004516938.1	Scaffold1845	124382	GG	AA	1940505098
SNP_P1_240718_124423	NW_004516938.1	Scaffold1845	124423	CC	TT	1940505100
SNP_P1_240719_126434	NW_004516938.1	Scaffold1845	126434	AA	GG	1940505102
SNP_P1_240720_126440	NW_004516938.1	Scaffold1845	126440	GG	AA	1940505104
SNP_P1_240721_126444	NW_004516938.1	Scaffold1845	126444	CC	TT	1940505106
SNP_P1_240722_126546	NW_004516938.1	Scaffold1845	126546	AA	GG	1940505108
SNP_P1_240723_127476	NW_004516938.1	Scaffold1845	127476	TT	GG	1940505111
SNP_P1_240724_127584	NW_004516938.1	Scaffold1845	127584	AA	GG	1940505113
SNP_P1_240725_127960	NW_004516938.1	Scaffold1845	127960	GG	AA	1940505115
SNP_P1_240727_131670	NW_004516938.1	Scaffold1845	131670	CC	TT	1940505117
SNP_P1_240728_133446	NW_004516938.1	Scaffold1845	133446	TT	AA	1940505119

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240730_5231	NW_004516940.1	Scaffold1847	5231	AA	GG	1940505123
SNP_P1_240731_5255	NW_004516940.1	Scaffold1847	5255	TT	CC	1940505126
SNP_P1_240732_932	NW_004516941.1	Scaffold1848	932	CC	TT	1940505128
SNP_P1_240735_3881	NW_004516941.1	Scaffold1848	3881	CC	TT	1940505130
SNP_P1_240736_4359	NW_004516941.1	Scaffold1848	4359	GG	TT	1940505132
SNP_P1_240737_5825	NW_004516941.1	Scaffold1848	5825	TT	AA	1940505134
SNP_P1_240738_8154	NW_004516941.1	Scaffold1848	8154	TT	CC	1940505136
SNP_P1_240739_8280	NW_004516941.1	Scaffold1848	8280	AA	TT	1940505138
SNP_P1_240740_10934	NW_004516941.1	Scaffold1848	10934	GG	CC	1940505141
SNP_P1_240741_10940	NW_004516941.1	Scaffold1848	10940	CC	TT	1940505143
SNP_P1_240742_10951	NW_004516941.1	Scaffold1848	10951	GG	TT	1940505145
SNP_P1_240744_11184	NW_004516941.1	Scaffold1848	11184	AA	CC	1940505147
SNP_P1_240745_11354	NW_004516941.1	Scaffold1848	11354	TT	CC	1940505149
SNP_P1_240746_12037	NW_004516941.1	Scaffold1848	12037	TT	CC	1940505151
SNP_P1_240747_12050	NW_004516941.1	Scaffold1848	12050	AA	GG	1940505153
SNP_P1_240748_12161	NW_004516941.1	Scaffold1848	12161	AA	GG	1940505155
SNP_P1_240749_12166	NW_004516941.1	Scaffold1848	12166	TT	CC	1940505158
SNP_P1_240750_12207	NW_004516941.1	Scaffold1848	12207	AA	GG	1940505160
SNP_P1_240751_12213	NW_004516941.1	Scaffold1848	12213	CC	TT	1940505162
SNP_P1_240752_12228	NW_004516941.1	Scaffold1848	12228	TT	AA	1940505164
SNP_P1_240753_12260	NW_004516941.1	Scaffold1848	12260	TT	CC	1940505166
SNP_P1_240755_64	NW_004516943.1	Scaffold1851	64	AA	CC	1940505168
SNP_P1_240756_121	NW_004516943.1	Scaffold1851	121	TT	AA	1940505170
SNP_P1_240757_272	NW_004516943.1	Scaffold1851	272	AA	GG	1940505173
SNP_P1_240758_306	NW_004516943.1	Scaffold1851	306	TT	CC	1940505175
SNP_P1_240759_312	NW_004516943.1	Scaffold1851	312	AA	GG	1940505177
SNP_P1_240760_385	NW_004516943.1	Scaffold1851	385	TT	CC	1940505179
SNP_P1_240762_539	NW_004516943.1	Scaffold1851	539	GG	CC	1940505181
SNP_P1_240763_10223	NW_004516944.1	Scaffold1852	10223	AA	TT	1940505183
SNP_P1_240765_22142	NW_004516944.1	Scaffold1852	22142	TT	AA	1940505185
SNP_P1_240766_42750	NW_004516944.1	Scaffold1852	42750	AA	CC	1940505188
SNP_P1_240767_42764	NW_004516944.1	Scaffold1852	42764	TT	GG	1940505190
SNP_P1_240768_43156	NW_004516944.1	Scaffold1852	43156	CC	TT	1940505192
SNP_P1_240769_43161	NW_004516944.1	Scaffold1852	43161	GG	CC	1940505194
SNP_P1_240770_43192	NW_004516944.1	Scaffold1852	43192	TT	GG	1940505196
SNP_P1_240771_43307	NW_004516944.1	Scaffold1852	43307	AA	GG	1940505198
SNP_P1_240772_44406	NW_004516944.1	Scaffold1852	44406	TT	CC	1940505200
SNP_P1_240773_49240	NW_004516944.1	Scaffold1852	49240	TT	AA	1940505203
SNP_P1_240775_55202	NW_004516944.1	Scaffold1852	55202	CC	TT	1940505205
SNP_P1_240776_55231	NW_004516944.1	Scaffold1852	55231	AA	GG	1940505207
SNP_P1_240777_57735	NW_004516944.1	Scaffold1852	57735	GG	AA	1940505209

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240781_76247	NW_004516944.1	Scaffold1852	76247	TT	CC	1940505213
SNP_P1_240782_78542	NW_004516944.1	Scaffold1852	78542	AA	TT	1940505215
SNP_P1_240783_78574	NW_004516944.1	Scaffold1852	78574	CC	TT	1940505218
SNP_P1_240784_85350	NW_004516944.1	Scaffold1852	85350	TT	AA	1940505220
SNP_P1_240786_93824	NW_004516944.1	Scaffold1852	93824	GG	TT	1940505222
SNP_P1_240787_93832	NW_004516944.1	Scaffold1852	93832	AA	GG	1940505224
SNP_P1_240788_93835	NW_004516944.1	Scaffold1852	93835	AA	GG	1940505226
SNP_P1_240789_93900	NW_004516944.1	Scaffold1852	93900	CC	GG	1940505228
SNP_P1_240790_93988	NW_004516944.1	Scaffold1852	93988	TT	GG	1940505230
SNP_P1_240791_94051	NW_004516944.1	Scaffold1852	94051	TT	CC	1940505232
SNP_P1_240792_94239	NW_004516944.1	Scaffold1852	94239	TT	CC	1940505235
SNP_P1_240794_94271	NW_004516944.1	Scaffold1852	94271	AA	TT	1940505237
SNP_P1_240795_94277	NW_004516944.1	Scaffold1852	94277	AA	GG	1940505239
SNP_P1_240796_94281	NW_004516944.1	Scaffold1852	94281	TT	CC	1940505241
SNP_P1_240797_94296	NW_004516944.1	Scaffold1852	94296	CC	TT	1940505243
SNP_P1_240798_94298	NW_004516944.1	Scaffold1852	94298	GG	CC	1940505245
SNP_P1_240799_94303	NW_004516944.1	Scaffold1852	94303	CC	TT	1940505247
SNP_P1_240800_94307	NW_004516944.1	Scaffold1852	94307	TT	CC	1940505250
SNP_P1_240801_94340	NW_004516944.1	Scaffold1852	94340	TT	CC	1940505252
SNP_P1_240803_94420	NW_004516944.1	Scaffold1852	94420	CC	TT	1940505254
SNP_P1_240804_94454	NW_004516944.1	Scaffold1852	94454	AA	GG	1940505256
SNP_P1_240806_94619	NW_004516944.1	Scaffold1852	94619	GG	AA	1940505258
SNP_P1_240807_94670	NW_004516944.1	Scaffold1852	94670	AA	GG	1940505260
SNP_P1_240808_94685	NW_004516944.1	Scaffold1852	94685	AA	GG	1940505262
SNP_P1_240809_94707	NW_004516944.1	Scaffold1852	94707	GG	AA	1940505264
SNP_P1_240810_94739	NW_004516944.1	Scaffold1852	94739	CC	TT	1940505267
SNP_P1_240812_94799	NW_004516944.1	Scaffold1852	94799	GG	AA	1940505269
SNP_P1_240814_94946	NW_004516944.1	Scaffold1852	94946	TT	CC	1940505271
SNP_P1_240815_95104	NW_004516944.1	Scaffold1852	95104	AA	TT	1940505273
SNP_P1_240816_95109	NW_004516944.1	Scaffold1852	95109	GG	AA	1940505275
SNP_P1_240817_95122	NW_004516944.1	Scaffold1852	95122	CC	TT	1940505277
SNP_P1_240818_95143	NW_004516944.1	Scaffold1852	95143	TT	AA	1940505279
SNP_P1_240819_95147	NW_004516944.1	Scaffold1852	95147	AA	TT	1940505282
SNP_P1_240820_95167	NW_004516944.1	Scaffold1852	95167	TT	GG	1940505284
SNP_P1_240821_95191	NW_004516944.1	Scaffold1852	95191	TT	CC	1940505286
SNP_P1_240822_95249	NW_004516944.1	Scaffold1852	95249	GG	TT	1940505288
SNP_P1_240823_95335	NW_004516944.1	Scaffold1852	95335	TT	GG	1940505290
SNP_P1_240824_95380	NW_004516944.1	Scaffold1852	95380	TT	GG	1940505292
SNP_P1_240826_96237	NW_004516944.1	Scaffold1852	96237	AA	TT	1940505294
SNP_P1_240828_96733	NW_004516944.1	Scaffold1852	96733	AA	CC	1940505297
SNP_P1_240829_97359	NW_004516944.1	Scaffold1852	97359	CC	TT	1940505299

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240831_97380	NW_004516944.1	Scaffold1852	97380	GG	AA	1940505303
SNP_P1_240832_101606	NW_004516944.1	Scaffold1852	101606	CC	AA	1940505305
SNP_P1_240833_101615	NW_004516944.1	Scaffold1852	101615	GG	AA	1940505307
SNP_P1_240835_101955	NW_004516944.1	Scaffold1852	101955	TT	AA	1940505309
SNP_P1_240836_101979	NW_004516944.1	Scaffold1852	101979	GG	AA	1940505312
SNP_P1_240837_101990	NW_004516944.1	Scaffold1852	101990	GG	AA	1940505314
SNP_P1_240838_102199	NW_004516944.1	Scaffold1852	102199	GG	AA	1940505316
SNP_P1_240839_102217	NW_004516944.1	Scaffold1852	102217	GG	CC	1940505318
SNP_P1_240841_102936	NW_004516944.1	Scaffold1852	102936	GG	AA	1940505320
SNP_P1_240843_103023	NW_004516944.1	Scaffold1852	103023	CC	TT	1940505322
SNP_P1_240844_103101	NW_004516944.1	Scaffold1852	103101	CC	AA	1940505324
SNP_P1_240845_103133	NW_004516944.1	Scaffold1852	103133	AA	TT	1940505327
SNP_P1_240846_103134	NW_004516944.1	Scaffold1852	103134	TT	AA	1940505329
SNP_P1_240847_103192	NW_004516944.1	Scaffold1852	103192	TT	AA	1940505331
SNP_P1_240850_103457	NW_004516944.1	Scaffold1852	103457	GG	AA	1940505333
SNP_P1_240851_103458	NW_004516944.1	Scaffold1852	103458	TT	CC	1940505335
SNP_P1_240852_103499	NW_004516944.1	Scaffold1852	103499	TT	CC	1940505337
SNP_P1_240854_103552	NW_004516944.1	Scaffold1852	103552	CC	TT	1940505339
SNP_P1_240855_103561	NW_004516944.1	Scaffold1852	103561	TT	CC	1940505342
SNP_P1_240856_103577	NW_004516944.1	Scaffold1852	103577	GG	AA	1940505344
SNP_P1_240857_103630	NW_004516944.1	Scaffold1852	103630	AA	GG	1940505346
SNP_P1_240858_104203	NW_004516944.1	Scaffold1852	104203	GG	TT	1940505348
SNP_P1_240859_104228	NW_004516944.1	Scaffold1852	104228	CC	AA	1940505350
SNP_P1_240860_10262	NW_004516945.1	Scaffold1854	10262	TT	GG	1940505352
SNP_P1_240861_10295	NW_004516945.1	Scaffold1854	10295	AA	GG	1940505354
SNP_P1_240862_10301	NW_004516945.1	Scaffold1854	10301	TT	GG	1940505356
SNP_P1_240863_10316	NW_004516945.1	Scaffold1854	10316	TT	CC	1940505358
SNP_P1_240864_10369	NW_004516945.1	Scaffold1854	10369	GG	AA	1940505360
SNP_P1_240865_10528	NW_004516945.1	Scaffold1854	10528	TT	AA	1940505363
SNP_P1_240866_10608	NW_004516945.1	Scaffold1854	10608	CC	TT	1940505365
SNP_P1_240867_10690	NW_004516945.1	Scaffold1854	10690	CC	AA	1940505367
SNP_P1_240868_35464	NW_004516945.1	Scaffold1854	35464	AA	GG	1940505369
SNP_P1_240869_39330	NW_004516945.1	Scaffold1854	39330	GG	TT	1940505371
SNP_P1_240870_39544	NW_004516945.1	Scaffold1854	39544	CC	GG	1940505373
SNP_P1_240871_39551	NW_004516945.1	Scaffold1854	39551	TT	CC	1940505375
SNP_P1_240872_39662	NW_004516945.1	Scaffold1854	39662	CC	GG	1940505377
SNP_P1_240873_39785	NW_004516945.1	Scaffold1854	39785	TT	AA	1940505380
SNP_P1_240874_39813	NW_004516945.1	Scaffold1854	39813	AA	TT	1940505382
SNP_P1_240875_49964	NW_004516945.1	Scaffold1854	49964	AA	GG	1940505384
SNP_P1_240876_50045	NW_004516945.1	Scaffold1854	50045	GG	AA	1940505386
SNP_P1_240877_52210	NW_004516945.1	Scaffold1854	52210	TT	GG	1940505388

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240880_7572	NW_004516947.1	Scaffold1856	7572	GG	AA	1940505392
SNP_P1_240881_7614	NW_004516947.1	Scaffold1856	7614	TT	CC	1940505395
SNP_P1_240882_333	NW_004516949.1	Scaffold1858	333	GG	TT	1940505397
SNP_P1_240883_964	NW_004516950.1	Scaffold1859	964	AA	TT	1940505399
SNP_P1_240884_12160	NW_004516951.1	Scaffold1861	12160	AA	GG	1940505401
SNP_P1_240885_12407	NW_004516951.1	Scaffold1861	12407	CC	AA	1940505403
SNP_P1_240886_12439	NW_004516951.1	Scaffold1861	12439	AA	GG	1940505405
SNP_P1_240887_12478	NW_004516951.1	Scaffold1861	12478	TT	CC	1940505408
SNP_P1_240888_12778	NW_004516951.1	Scaffold1861	12778	TT	CC	1940505410
SNP_P1_240889_12793	NW_004516951.1	Scaffold1861	12793	AA	GG	1940505412
SNP_P1_240890_12821	NW_004516951.1	Scaffold1861	12821	TT	CC	1940505414
SNP_P1_240891_458	NW_004516952.1	Scaffold1862	458	AA	CC	1940505416
SNP_P1_240892_842	NW_004516952.1	Scaffold1862	842	AA	GG	1940505418
SNP_P1_240893_2884	NW_004516953.1	Scaffold1864	2884	TT	CC	1940505420
SNP_P1_240895_3808	NW_004516953.1	Scaffold1864	3808	AA	GG	1940505423
SNP_P1_240896_4287	NW_004516953.1	Scaffold1864	4287	CC	TT	1940505425
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SNP_P1_240899_4510	NW_004516953.1	Scaffold1864	4510	CC	AA	1940505431
SNP_P1_240900_4619	NW_004516953.1	Scaffold1864	4619	CC	TT	1940505433
SNP_P1_240901_4764	NW_004516953.1	Scaffold1864	4764	TT	CC	1940505436
SNP_P1_240902_4791	NW_004516953.1	Scaffold1864	4791	CC	GG	1940505438
SNP_P1_240903_4901	NW_004516953.1	Scaffold1864	4901	CC	TT	1940505440
SNP_P1_240904_5028	NW_004516953.1	Scaffold1864	5028	GG	TT	1940505442
SNP_P1_240906_5292	NW_004516953.1	Scaffold1864	5292	GG	AA	1940505444
SNP_P1_240907_5300	NW_004516953.1	Scaffold1864	5300	TT	AA	1940505446
SNP_P1_240908_5382	NW_004516953.1	Scaffold1864	5382	TT	CC	1940505448
SNP_P1_240909_5523	NW_004516953.1	Scaffold1864	5523	TT	AA	1940505451
SNP_P1_240911_5603	NW_004516953.1	Scaffold1864	5603	CC	TT	1940505453
SNP_P1_240912_5613	NW_004516953.1	Scaffold1864	5613	CC	TT	1940505455
SNP_P1_240913_5673	NW_004516953.1	Scaffold1864	5673	CC	AA	1940505457
SNP_P1_240914_5700	NW_004516953.1	Scaffold1864	5700	CC	TT	1940505459
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SNP_P1_240918_5754	NW_004516953.1	Scaffold1864	5754	CC	TT	1940505468
SNP_P1_240919_5758	NW_004516953.1	Scaffold1864	5758	TT	CC	1940505470
SNP_P1_240920_5762	NW_004516953.1	Scaffold1864	5762	AA	GG	1940505472
SNP_P1_240921_5789	NW_004516953.1	Scaffold1864	5789	TT	CC	1940505474
SNP_P1_240922_5848	NW_004516953.1	Scaffold1864	5848	CC	TT	1940505476
SNP_P1_240923_5875	NW_004516953.1	Scaffold1864	5875	TT	GG	1940505478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240928_6163	NW_004516953.1	Scaffold1864	6163	AA	GG	1940505485
SNP_P1_240929_6194	NW_004516953.1	Scaffold1864	6194	AA	CC	1940505487
SNP_P1_240930_6220	NW_004516953.1	Scaffold1864	6220	GG	AA	1940505489
SNP_P1_240931_6306	NW_004516953.1	Scaffold1864	6306	GG	TT	1940505491
SNP_P1_240932_6401	NW_004516953.1	Scaffold1864	6401	TT	GG	1940505493
SNP_P1_240933_6452	NW_004516953.1	Scaffold1864	6452	GG	AA	1940505496
SNP_P1_240934_10114	NW_004516953.1	Scaffold1864	10114	AA	CC	1940505498
SNP_P1_240935_10143	NW_004516953.1	Scaffold1864	10143	CC	TT	1940505500
SNP_P1_240936_10268	NW_004516953.1	Scaffold1864	10268	CC	TT	1940505502
SNP_P1_240937_10269	NW_004516953.1	Scaffold1864	10269	TT	AA	1940505504
SNP_P1_240938_10359	NW_004516953.1	Scaffold1864	10359	CC	TT	1940505506
SNP_P1_240939_10477	NW_004516953.1	Scaffold1864	10477	CC	AA	1940505508
SNP_P1_240940_10555	NW_004516953.1	Scaffold1864	10555	AA	GG	1940505511
SNP_P1_240941_10571	NW_004516953.1	Scaffold1864	10571	TT	GG	1940505513
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SNP_P1_240944_11038	NW_004516953.1	Scaffold1864	11038	CC	TT	1940505519
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SNP_P1_240947_11407	NW_004516953.1	Scaffold1864	11407	AA	GG	1940505526
SNP_P1_240948_11473	NW_004516953.1	Scaffold1864	11473	CC	TT	1940505528
SNP_P1_240949_11585	NW_004516953.1	Scaffold1864	11585	AA	GG	1940505530
SNP_P1_240950_11622	NW_004516953.1	Scaffold1864	11622	TT	CC	1940505532
SNP_P1_240951_11657	NW_004516953.1	Scaffold1864	11657	TT	CC	1940505534
SNP_P1_240952_11825	NW_004516953.1	Scaffold1864	11825	CC	TT	1940505536
SNP_P1_240953_11873	NW_004516953.1	Scaffold1864	11873	GG	AA	1940505538
SNP_P1_240954_12192	NW_004516953.1	Scaffold1864	12192	AA	GG	1940505541
SNP_P1_240955_14542	NW_004516953.1	Scaffold1864	14542	GG	AA	1940505543
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SNP_P1_240957_14634	NW_004516953.1	Scaffold1864	14634	GG	AA	1940505547
SNP_P1_240958_14640	NW_004516953.1	Scaffold1864	14640	CC	TT	1940505549
SNP_P1_240959_14667	NW_004516953.1	Scaffold1864	14667	GG	AA	1940505551
SNP_P1_240960_14713	NW_004516953.1	Scaffold1864	14713	CC	TT	1940505553
SNP_P1_240962_14907	NW_004516953.1	Scaffold1864	14907	CC	TT	1940505556
SNP_P1_240964_15049	NW_004516953.1	Scaffold1864	15049	CC	TT	1940505558
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SNP_P1_240966_15269	NW_004516953.1	Scaffold1864	15269	GG	AA	1940505562
SNP_P1_240967_19862	NW_004516953.1	Scaffold1864	19862	AA	CC	1940505564
SNP_P1_240968_20060	NW_004516953.1	Scaffold1864	20060	GG	AA	1940505566
SNP_P1_240969_4320	NW_004516955.1	Scaffold1866	4320	CC	TT	1940505568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_240973_4437	NW_004516955.1	Scaffold1866	4437	CC	TT	1940505575
SNP_P1_240974_4475	NW_004516955.1	Scaffold1866	4475	GG	AA	1940505577
SNP_P1_240975_4480	NW_004516955.1	Scaffold1866	4480	AA	GG	1940505579
SNP_P1_240976_4510	NW_004516955.1	Scaffold1866	4510	AA	GG	1940505581
SNP_P1_240977_4520	NW_004516955.1	Scaffold1866	4520	AA	GG	1940505583
SNP_P1_240978_4523	NW_004516955.1	Scaffold1866	4523	AA	GG	1940505585
SNP_P1_240979_4660	NW_004516955.1	Scaffold1866	4660	GG	TT	1940505588
SNP_P1_240980_4688	NW_004516955.1	Scaffold1866	4688	AA	TT	1940505590
SNP_P1_240981_4836	NW_004516955.1	Scaffold1866	4836	GG	TT	1940505592
SNP_P1_240982_5479	NW_004516955.1	Scaffold1866	5479	AA	GG	1940505594
SNP_P1_240983_23105	NW_004516955.1	Scaffold1866	23105	GG	AA	1940505596
SNP_P1_240984_41081	NW_004516955.1	Scaffold1866	41081	CC	AA	1940505598
SNP_P1_240985_42409	NW_004516955.1	Scaffold1866	42409	TT	CC	1940505600
SNP_P1_240986_42669	NW_004516955.1	Scaffold1866	42669	CC	GG	1940505603
SNP_P1_240987_44366	NW_004516955.1	Scaffold1866	44366	TT	CC	1940505605
SNP_P1_240988_44369	NW_004516955.1	Scaffold1866	44369	TT	CC	1940505607
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SNP_P1_240991_62805	NW_004516955.1	Scaffold1866	62805	TT	CC	1940505611
SNP_P1_240992_62850	NW_004516955.1	Scaffold1866	62850	TT	CC	1940505613
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SNP_P1_240995_63070	NW_004516955.1	Scaffold1866	63070	TT	AA	1940505620
SNP_P1_240996_70146	NW_004516955.1	Scaffold1866	70146	GG	AA	1940505622
SNP_P1_240998_92597	NW_004516955.1	Scaffold1866	92597	CC	TT	1940505624
SNP_P1_240999_92625	NW_004516955.1	Scaffold1866	92625	TT	AA	1940505626
SNP_P1_241000_100400	NW_004516955.1	Scaffold1866	100400	TT	CC	1940505628
SNP_P1_241001_100408	NW_004516955.1	Scaffold1866	100408	AA	GG	1940505630
SNP_P1_241002_100508	NW_004516955.1	Scaffold1866	100508	CC	TT	1940505633
SNP_P1_241003_101009	NW_004516955.1	Scaffold1866	101009	AA	GG	1940505635
SNP_P1_241005_103185	NW_004516955.1	Scaffold1866	103185	TT	CC	1940505637
SNP_P1_241006_103242	NW_004516955.1	Scaffold1866	103242	TT	AA	1940505639
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SNP_P1_241010_109334	NW_004516955.1	Scaffold1866	109334	GG	CC	1940505643
SNP_P1_241012_113746	NW_004516955.1	Scaffold1866	113746	AA	TT	1940505645
SNP_P1_241013_115643	NW_004516955.1	Scaffold1866	115643	TT	GG	1940505648
SNP_P1_241014_115673	NW_004516955.1	Scaffold1866	115673	TT	AA	1940505650
SNP_P1_241015_115706	NW_004516955.1	Scaffold1866	115706	TT	AA	1940505652
SNP_P1_241017_117011	NW_004516955.1	Scaffold1866	117011	AA	TT	1940505654
SNP_P1_241018_119234	NW_004516955.1	Scaffold1866	119234	GG	AA	1940505656
SNP_P1_241019_130966	NW_004516955.1	Scaffold1866	130966	CC	TT	1940505658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241023_143331	NW_004516955.1	Scaffold1866	143331	GG	AA	1940505665
SNP_P1_241024_143333	NW_004516955.1	Scaffold1866	143333	CC	TT	1940505667
SNP_P1_241025_6230	NW_004516956.1	Scaffold1867	6230	GG	AA	1940505669
SNP_P1_241026_6261	NW_004516956.1	Scaffold1867	6261	AA	GG	1940505671
SNP_P1_241027_10551	NW_004516956.1	Scaffold1867	10551	GG	TT	1940505673
SNP_P1_241028_10946	NW_004516956.1	Scaffold1867	10946	GG	AA	1940505675
SNP_P1_241029_12932	NW_004516956.1	Scaffold1867	12932	TT	CC	1940505677
SNP_P1_241030_19897	NW_004516956.1	Scaffold1867	19897	TT	CC	1940505680
SNP_P1_241032_21533	NW_004516956.1	Scaffold1867	21533	AA	GG	1940505682
SNP_P1_241033_47551	NW_004516956.1	Scaffold1867	47551	TT	CC	1940505684
SNP_P1_241034_58984	NW_004516956.1	Scaffold1867	58984	GG	TT	1940505686
SNP_P1_241035_60562	NW_004516956.1	Scaffold1867	60562	TT	AA	1940505688
SNP_P1_241036_70511	NW_004516956.1	Scaffold1867	70511	CC	TT	1940505690
SNP_P1_241037_70568	NW_004516956.1	Scaffold1867	70568	TT	CC	1940505692
SNP_P1_241038_70883	NW_004516956.1	Scaffold1867	70883	AA	GG	1940505695
SNP_P1_241039_70937	NW_004516956.1	Scaffold1867	70937	AA	GG	1940505697
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SNP_P1_241052_96395	NW_004516956.1	Scaffold1867	96395	AA	GG	1940505725
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SNP_P1_241057_96814	NW_004516956.1	Scaffold1867	96814	AA	GG	1940505735
SNP_P1_241058_106040	NW_004516956.1	Scaffold1867	106040	CC	AA	1940505737
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SNP_P1_241060_124359	NW_004516956.1	Scaffold1867	124359	CC	GG	1940505742
SNP_P1_241061_161449	NW_004516956.1	Scaffold1867	161449	TT	CC	1940505744
SNP_P1_241062_163188	NW_004516956.1	Scaffold1867	163188	TT	CC	1940505746
SNP_P1_241063_163285	NW_004516956.1	Scaffold1867	163285	AA	CC	1940505748

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241066_163529	NW_004516956.1	Scaffold1867	163529	CC	TT	1940505755
SNP_P1_241067_164369	NW_004516956.1	Scaffold1867	164369	CC	TT	1940505757
SNP_P1_241068_164390	NW_004516956.1	Scaffold1867	164390	CC	AA	1940505759
SNP_P1_241069_172572	NW_004516956.1	Scaffold1867	172572	AA	TT	1940505761
SNP_P1_241070_189120	NW_004516956.1	Scaffold1867	189120	AA	GG	1940505763
SNP_P1_241071_196848	NW_004516956.1	Scaffold1867	196848	TT	GG	1940505765
SNP_P1_241072_200788	NW_004516956.1	Scaffold1867	200788	AA	GG	1940505767
SNP_P1_241073_206933	NW_004516956.1	Scaffold1867	206933	CC	TT	1940505769
SNP_P1_241076_218960	NW_004516956.1	Scaffold1867	218960	GG	AA	1940505772
SNP_P1_241077_226666	NW_004516956.1	Scaffold1867	226666	AA	GG	1940505774
SNP_P1_241079_228721	NW_004516956.1	Scaffold1867	228721	GG	AA	1940505776
SNP_P1_241081_231974	NW_004516956.1	Scaffold1867	231974	TT	AA	1940505778
SNP_P1_241082_231989	NW_004516956.1	Scaffold1867	231989	AA	CC	1940505780
SNP_P1_241083_233738	NW_004516956.1	Scaffold1867	233738	TT	CC	1940505782
SNP_P1_241084_234031	NW_004516956.1	Scaffold1867	234031	GG	AA	1940505784
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SNP_P1_241098_237539	NW_004516956.1	Scaffold1867	237539	TT	CC	1940505814
SNP_P1_241099_237559	NW_004516956.1	Scaffold1867	237559	TT	AA	1940505817
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SNP_P1_241106_237661	NW_004516956.1	Scaffold1867	237661	AA	GG	1940505832
SNP_P1_241107_237662	NW_004516956.1	Scaffold1867	237662	TT	AA	1940505834
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241113_257111	NW_004516956.1	Scaffold1867	257111	AA	TT	1940505844
SNP_P1_241114_257461	NW_004516956.1	Scaffold1867	257461	AA	GG	1940505846
SNP_P1_241115_262480	NW_004516956.1	Scaffold1867	262480	AA	GG	1940505849
SNP_P1_241116_267037	NW_004516956.1	Scaffold1867	267037	CC	TT	1940505851
SNP_P1_241117_310647	NW_004516956.1	Scaffold1867	310647	TT	CC	1940505853
SNP_P1_241118_310705	NW_004516956.1	Scaffold1867	310705	CC	TT	1940505855
SNP_P1_241119_310725	NW_004516956.1	Scaffold1867	310725	TT	CC	1940505857
SNP_P1_241120_312401	NW_004516956.1	Scaffold1867	312401	AA	TT	1940505859
SNP_P1_241121_314805	NW_004516956.1	Scaffold1867	314805	AA	GG	1940505861
SNP_P1_241122_314824	NW_004516956.1	Scaffold1867	314824	TT	CC	1940505864
SNP_P1_241123_314826	NW_004516956.1	Scaffold1867	314826	GG	TT	1940505866
SNP_P1_241124_319647	NW_004516956.1	Scaffold1867	319647	AA	GG	1940505868
SNP_P1_241125_330439	NW_004516956.1	Scaffold1867	330439	TT	CC	1940505870
SNP_P1_241126_336779	NW_004516956.1	Scaffold1867	336779	AA	GG	1940505872
SNP_P1_241127_468	NW_004516957.1	Scaffold1868	468	GG	TT	1940505874
SNP_P1_241128_175	NW_004516958.1	Scaffold1869	175	TT	CC	1940505877
SNP_P1_241129_307	NW_004516958.1	Scaffold1869	307	AA	GG	1940505879
SNP_P1_241130_419	NW_004516958.1	Scaffold1869	419	TT	GG	1940505881
SNP_P1_241131_591	NW_004516958.1	Scaffold1869	591	AA	TT	1940505883
SNP_P1_241132_625	NW_004516958.1	Scaffold1869	625	GG	CC	1940505885
SNP_P1_241133_647	NW_004516958.1	Scaffold1869	647	GG	AA	1940505887
SNP_P1_241134_666	NW_004516958.1	Scaffold1869	666	CC	TT	1940505889
SNP_P1_241135_808	NW_004516958.1	Scaffold1869	808	AA	TT	1940505891
SNP_P1_241136_840	NW_004516958.1	Scaffold1869	840	AA	GG	1940505894
SNP_P1_241137_865	NW_004516958.1	Scaffold1869	865	TT	AA	1940505896
SNP_P1_241138_866	NW_004516958.1	Scaffold1869	866	CC	AA	1940505898
SNP_P1_241139_1987	NW_004516958.1	Scaffold1869	1987	AA	CC	1940505900
SNP_P1_241140_1994	NW_004516958.1	Scaffold1869	1994	CC	AA	1940505902
SNP_P1_241141_1995	NW_004516958.1	Scaffold1869	1995	CC	TT	1940505904
SNP_P1_241142_2083	NW_004516958.1	Scaffold1869	2083	AA	GG	1940505906
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SNP_P1_241144_2106	NW_004516958.1	Scaffold1869	2106	GG	AA	1940505911
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SNP_P1_241147_5757	NW_004516958.1	Scaffold1869	5757	GG	AA	1940505915
SNP_P1_241148_11472	NW_004516958.1	Scaffold1869	11472	TT	AA	1940505917
SNP_P1_241149_11492	NW_004516958.1	Scaffold1869	11492	GG	AA	1940505919
SNP_P1_241150_11583	NW_004516958.1	Scaffold1869	11583	CC	TT	1940505921
SNP_P1_241151_11960	NW_004516958.1	Scaffold1869	11960	AA	TT	1940505924
SNP_P1_241152_12223	NW_004516958.1	Scaffold1869	12223	GG	CC	1940505926
SNP_P1_241153_12518	NW_004516958.1	Scaffold1869	12518	GG	AA	1940505928

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241155_12533	NW_004516958.1	Scaffold1869	12533	CC	GG	1940505932
SNP_P1_241156_12600	NW_004516958.1	Scaffold1869	12600	GG	CC	1940505934
SNP_P1_241157_13099	NW_004516958.1	Scaffold1869	13099	AA	GG	1940505936
SNP_P1_241158_13243	NW_004516958.1	Scaffold1869	13243	AA	CC	1940505938
SNP_P1_241159_14200	NW_004516958.1	Scaffold1869	14200	GG	AA	1940505941
SNP_P1_241160_14222	NW_004516958.1	Scaffold1869	14222	TT	CC	1940505943
SNP_P1_241161_14315	NW_004516958.1	Scaffold1869	14315	CC	AA	1940505945
SNP_P1_241162_14582	NW_004516958.1	Scaffold1869	14582	CC	GG	1940505947
SNP_P1_241163_16169	NW_004516958.1	Scaffold1869	16169	GG	AA	1940505949
SNP_P1_241164_16230	NW_004516958.1	Scaffold1869	16230	AA	TT	1940505951
SNP_P1_241165_16245	NW_004516958.1	Scaffold1869	16245	TT	CC	1940505953
SNP_P1_241166_16256	NW_004516958.1	Scaffold1869	16256	CC	GG	1940505956
SNP_P1_241167_16481	NW_004516958.1	Scaffold1869	16481	GG	AA	1940505958
SNP_P1_241168_16642	NW_004516958.1	Scaffold1869	16642	AA	GG	1940505960
SNP_P1_241169_16665	NW_004516958.1	Scaffold1869	16665	TT	AA	1940505962
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SNP_P1_241171_16744	NW_004516958.1	Scaffold1869	16744	GG	AA	1940505966
SNP_P1_241172_16756	NW_004516958.1	Scaffold1869	16756	AA	GG	1940505968
SNP_P1_241173_16786	NW_004516958.1	Scaffold1869	16786	CC	TT	1940505971
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SNP_P1_241175_16877	NW_004516958.1	Scaffold1869	16877	GG	TT	1940505975
SNP_P1_241176_17012	NW_004516958.1	Scaffold1869	17012	CC	TT	1940505977
SNP_P1_241177_18257	NW_004516958.1	Scaffold1869	18257	AA	GG	1940505979
SNP_P1_241178_18279	NW_004516958.1	Scaffold1869	18279	TT	CC	1940505981
SNP_P1_241179_18846	NW_004516958.1	Scaffold1869	18846	CC	GG	1940505983
SNP_P1_241180_18883	NW_004516958.1	Scaffold1869	18883	TT	GG	1940505986
SNP_P1_241181_18929	NW_004516958.1	Scaffold1869	18929	AA	CC	1940505988
SNP_P1_241182_18973	NW_004516958.1	Scaffold1869	18973	CC	TT	1940505990
SNP_P1_241183_18985	NW_004516958.1	Scaffold1869	18985	CC	TT	1940505992
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SNP_P1_241186_19167	NW_004516958.1	Scaffold1869	19167	TT	CC	1940505996
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SNP_P1_241192_19757	NW_004516958.1	Scaffold1869	19757	CC	AA	1940506009
SNP_P1_241193_19811	NW_004516958.1	Scaffold1869	19811	GG	AA	1940506011
SNP_P1_241194_19847	NW_004516958.1	Scaffold1869	19847	CC	AA	1940506013
SNP_P1_241195_19950	NW_004516958.1	Scaffold1869	19950	CC	AA	1940506015
SNP_P1_241196_19962	NW_004516958.1	Scaffold1869	19962	AA	TT	1940506018

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241199_20108	NW_004516958.1	Scaffold1869	20108	TT	AA	1940506022
SNP_P1_241200_20228	NW_004516958.1	Scaffold1869	20228	AA	CC	1940506024
SNP_P1_241201_20356	NW_004516958.1	Scaffold1869	20356	AA	GG	1940506026
SNP_P1_241202_20419	NW_004516958.1	Scaffold1869	20419	TT	CC	1940506028
SNP_P1_241203_21103	NW_004516958.1	Scaffold1869	21103	TT	GG	1940506030
SNP_P1_241204_21143	NW_004516958.1	Scaffold1869	21143	CC	TT	1940506033
SNP_P1_241205_21538	NW_004516958.1	Scaffold1869	21538	GG	AA	1940506035
SNP_P1_241206_21555	NW_004516958.1	Scaffold1869	21555	TT	AA	1940506037
SNP_P1_241207_21722	NW_004516958.1	Scaffold1869	21722	AA	GG	1940506039
SNP_P1_241208_21775	NW_004516958.1	Scaffold1869	21775	AA	GG	1940506041
SNP_P1_241209_24480	NW_004516958.1	Scaffold1869	24480	AA	GG	1940506043
SNP_P1_241210_24516	NW_004516958.1	Scaffold1869	24516	GG	AA	1940506045
SNP_P1_241211_24564	NW_004516958.1	Scaffold1869	24564	TT	CC	1940506048
SNP_P1_241212_319	NW_004516959.1	Scaffold1870	319	CC	GG	1940506050
SNP_P1_241214_11091	NW_004516959.1	Scaffold1870	11091	CC	GG	1940506052
SNP_P1_241215_11200	NW_004516959.1	Scaffold1870	11200	CC	TT	1940506054
SNP_P1_241216_11446	NW_004516959.1	Scaffold1870	11446	TT	CC	1940506056
SNP_P1_241217_11591	NW_004516959.1	Scaffold1870	11591	GG	AA	1940506058
SNP_P1_241218_11605	NW_004516959.1	Scaffold1870	11605	CC	TT	1940506060
SNP_P1_241219_11876	NW_004516959.1	Scaffold1870	11876	CC	TT	1940506062
SNP_P1_241220_12421	NW_004516959.1	Scaffold1870	12421	AA	TT	1940506064
SNP_P1_241221_13614	NW_004516959.1	Scaffold1870	13614	CC	TT	1940506067
SNP_P1_241222_13621	NW_004516959.1	Scaffold1870	13621	GG	AA	1940506069
SNP_P1_241223_13624	NW_004516959.1	Scaffold1870	13624	GG	AA	1940506071
SNP_P1_241224_13636	NW_004516959.1	Scaffold1870	13636	AA	GG	1940506073
SNP_P1_241225_18497	NW_004516959.1	Scaffold1870	18497	AA	GG	1940506075
SNP_P1_241226_18788	NW_004516959.1	Scaffold1870	18788	CC	AA	1940506077
SNP_P1_241227_18829	NW_004516959.1	Scaffold1870	18829	AA	CC	1940506079
SNP_P1_241228_20986	NW_004516959.1	Scaffold1870	20986	TT	CC	1940506082
SNP_P1_241229_21180	NW_004516959.1	Scaffold1870	21180	TT	GG	1940506084
SNP_P1_241230_21202	NW_004516959.1	Scaffold1870	21202	GG	TT	1940506086
SNP_P1_241232_24811	NW_004516959.1	Scaffold1870	24811	GG	TT	1940506088
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SNP_P1_241234_21982	NW_004516960.1	Scaffold1872	21982	GG	TT	1940506092
SNP_P1_241235_22004	NW_004516960.1	Scaffold1872	22004	CC	TT	1940506094
SNP_P1_241236_22064	NW_004516960.1	Scaffold1872	22064	GG	AA	1940506097
SNP_P1_241237_22481	NW_004516960.1	Scaffold1872	22481	TT	AA	1940506099
SNP_P1_241238_22536	NW_004516960.1	Scaffold1872	22536	TT	CC	1940506101
SNP_P1_241239_22556	NW_004516960.1	Scaffold1872	22556	CC	TT	1940506103
SNP_P1_241240_22564	NW_004516960.1	Scaffold1872	22564	TT	AA	1940506105
SNP_P1_241241_2518	NW_004516961.1	Scaffold1874	2518	GG	TT	1940506107

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241243_5839	NW_004516962.1	Scaffold1878	5839	AA	TT	1940506112
SNP_P1_241244_6242	NW_004516962.1	Scaffold1878	6242	TT	AA	1940506114
SNP_P1_241245_6390	NW_004516962.1	Scaffold1878	6390	GG	AA	1940506116
SNP_P1_241247_8994	NW_004516962.1	Scaffold1878	8994	TT	AA	1940506118
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SNP_P1_241252_11941	NW_004516962.1	Scaffold1878	11941	AA	CC	1940506127
SNP_P1_241253_12401	NW_004516962.1	Scaffold1878	12401	TT	CC	1940506129
SNP_P1_241254_12473	NW_004516962.1	Scaffold1878	12473	GG	AA	1940506131
SNP_P1_241255_12797	NW_004516962.1	Scaffold1878	12797	AA	GG	1940506133
SNP_P1_241256_14292	NW_004516962.1	Scaffold1878	14292	GG	AA	1940506135
SNP_P1_241257_15561	NW_004516962.1	Scaffold1878	15561	TT	CC	1940506137
SNP_P1_241258_16944	NW_004516962.1	Scaffold1878	16944	TT	GG	1940506139
SNP_P1_241259_17583	NW_004516962.1	Scaffold1878	17583	TT	GG	1940506141
SNP_P1_241260_18111	NW_004516962.1	Scaffold1878	18111	GG	CC	1940506143
SNP_P1_241261_18711	NW_004516962.1	Scaffold1878	18711	TT	GG	1940506145
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SNP_P1_241266_23534	NW_004516962.1	Scaffold1878	23534	AA	GG	1940506156
SNP_P1_241267_23751	NW_004516962.1	Scaffold1878	23751	AA	CC	1940506158
SNP_P1_241268_25877	NW_004516962.1	Scaffold1878	25877	TT	GG	1940506160
SNP_P1_241269_26029	NW_004516962.1	Scaffold1878	26029	AA	TT	1940506163
SNP_P1_241270_26232	NW_004516962.1	Scaffold1878	26232	CC	TT	1940506165
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SNP_P1_241272_26758	NW_004516962.1	Scaffold1878	26758	GG	TT	1940506169
SNP_P1_241273_28291	NW_004516962.1	Scaffold1878	28291	GG	AA	1940506171
SNP_P1_241274_28978	NW_004516962.1	Scaffold1878	28978	GG	AA	1940506173
SNP_P1_241275_31531	NW_004516962.1	Scaffold1878	31531	AA	GG	1940506175
SNP_P1_241276_31564	NW_004516962.1	Scaffold1878	31564	AA	GG	1940506178
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SNP_P1_241278_32839	NW_004516962.1	Scaffold1878	32839	CC	TT	1940506182
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SNP_P1_241280_34225	NW_004516962.1	Scaffold1878	34225	GG	AA	1940506186
SNP_P1_241281_34460	NW_004516962.1	Scaffold1878	34460	AA	GG	1940506188
SNP_P1_241282_40201	NW_004516962.1	Scaffold1878	40201	TT	CC	1940506190
SNP_P1_241284_40520	NW_004516962.1	Scaffold1878	40520	TT	CC	1940506193
SNP_P1_241285_40549	NW_004516962.1	Scaffold1878	40549	CC	GG	1940506195
SNP_P1_241286_40558	NW_004516962.1	Scaffold1878	40558	AA	CC	1940506197

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241289_40614	NW_004516962.1	Scaffold1878	40614	TT	CC	1940506203
SNP_P1_241290_40624	NW_004516962.1	Scaffold1878	40624	AA	GG	1940506205
SNP_P1_241291_40645	NW_004516962.1	Scaffold1878	40645	AA	GG	1940506208
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SNP_P1_241294_40734	NW_004516962.1	Scaffold1878	40734	AA	GG	1940506212
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SNP_P1_241300_47443	NW_004516962.1	Scaffold1878	47443	AA	TT	1940506222
SNP_P1_241301_47474	NW_004516962.1	Scaffold1878	47474	TT	CC	1940506225
SNP_P1_241303_48200	NW_004516962.1	Scaffold1878	48200	AA	GG	1940506227
SNP_P1_241304_48336	NW_004516962.1	Scaffold1878	48336	CC	TT	1940506229
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SNP_P1_241306_48880	NW_004516962.1	Scaffold1878	48880	AA	TT	1940506233
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SNP_P1_241319_56316	NW_004516962.1	Scaffold1878	56316	AA	TT	1940506255
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SNP_P1_241322_69818	NW_004516962.1	Scaffold1878	69818	CC	TT	1940506261
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SNP_P1_241325_73558	NW_004516962.1	Scaffold1878	73558	GG	TT	1940506265
SNP_P1_241326_73560	NW_004516962.1	Scaffold1878	73560	TT	CC	1940506267
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SNP_P1_241330_77999	NW_004516962.1	Scaffold1878	77999	AA	GG	1940506272
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SNP_P1_241334_133	NW_004516965.1	Scaffold1883	133	CC	TT	1940506278
SNP_P1_241335_19555	NW_004516966.1	Scaffold1884	19555	AA	GG	1940506280
SNP_P1_241336_26454	NW_004516966.1	Scaffold1884	26454	CC	TT	1940506282
SNP_P1_241337_143	NW_004516967.1	Scaffold1885	143	AA	TT	1940506284
SNP_P1_241338_166	NW_004516967.1	Scaffold1885	166	CC	TT	1940506287

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_241339_237	NW_004516967.1	Scaffold1885	237	TT	AA	1940506289
SNP_P1_241340_500	NW_004516967.1	Scaffold1885	500	AA	TT	1940506291
SNP_P1_241341_501	NW_004516967.1	Scaffold1885	501	TT	AA	1940506293
SNP_P1_241342_521	NW_004516967.1	Scaffold1885	521	TT	CC	1940506295
SNP_P1_241343_538	NW_004516967.1	Scaffold1885	538	GG	TT	1940506297
SNP_P1_241344_559	NW_004516967.1	Scaffold1885	559	AA	CC	1940506299
SNP_P1_241345_618	NW_004516967.1	Scaffold1885	618	TT	GG	1940506301
SNP_P1_241346_673	NW_004516967.1	Scaffold1885	673	GG	AA	1940506304
SNP_P1_241347_917	NW_004516967.1	Scaffold1885	917	AA	TT	1940506306
SNP_P1_241348_965	NW_004516967.1	Scaffold1885	965	TT	CC	1940506308
SNP_P1_241349_1844	NW_004516967.1	Scaffold1885	1844	TT	CC	1940506310
SNP_P1_241350_1845	NW_004516967.1	Scaffold1885	1845	AA	TT	1940506312
SNP_P1_241351_2006	NW_004516967.1	Scaffold1885	2006	TT	GG	1940506314
SNP_P1_241352_2043	NW_004516967.1	Scaffold1885	2043	GG	CC	1940506316
SNP_P1_241353_2093	NW_004516967.1	Scaffold1885	2093	CC	AA	1940506319
SNP_P1_241354_2107	NW_004516967.1	Scaffold1885	2107	AA	TT	1940506321
SNP_P1_241355_2267	NW_004516967.1	Scaffold1885	2267	CC	GG	1940506323
SNP_P1_241356_2319	NW_004516967.1	Scaffold1885	2319	AA	CC	1940506325
SNP_P1_241357_2325	NW_004516967.1	Scaffold1885	2325	TT	GG	1940506327
SNP_P1_241358_2541	NW_004516967.1	Scaffold1885	2541	TT	CC	1940506329
SNP_P1_241359_2555	NW_004516967.1	Scaffold1885	2555	AA	TT	1940506331
SNP_P1_241360_2683	NW_004516967.1	Scaffold1885	2683	AA	GG	1940506333
SNP_P1_241361_2695	NW_004516967.1	Scaffold1885	2695	TT	AA	1940506336
SNP_P1_241362_2763	NW_004516967.1	Scaffold1885	2763	GG	TT	1940506338
SNP_P1_241363_2963	NW_004516967.1	Scaffold1885	2963	TT	CC	1940506340
SNP_P1_241364_3086	NW_004516967.1	Scaffold1885	3086	CC	TT	1940506342
SNP_P1_241365_5279	NW_004516967.1	Scaffold1885	5279	TT	AA	1940506344
SNP_P1_241366_6525	NW_004516967.1	Scaffold1885	6525	AA	GG	1940506346
SNP_P1_241367_8073	NW_004516967.1	Scaffold1885	8073	AA	TT	1940506348
SNP_P1_241368_10897	NW_004516967.1	Scaffold1885	10897	CC	TT	1940506350
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SNP_P1_241371_13114	NW_004516967.1	Scaffold1885	13114	AA	CC	1940506357
SNP_P1_241372_13120	NW_004516967.1	Scaffold1885	13120	TT	CC	1940506359
SNP_P1_241373_13142	NW_004516967.1	Scaffold1885	13142	AA	GG	1940506361
SNP_P1_241374_13518	NW_004516967.1	Scaffold1885	13518	AA	GG	1940506363
SNP_P1_241375_13543	NW_004516967.1	Scaffold1885	13543	TT	CC	1940506365
SNP_P1_241376_21098	NW_004516967.1	Scaffold1885	21098	TT	CC	1940506368
SNP_P1_241377_21202	NW_004516967.1	Scaffold1885	21202	CC	TT	1940506370
SNP_P1_241378_21216	NW_004516967.1	Scaffold1885	21216	TT	GG	1940506372
SNP_P1_241379_21309	NW_004516967.1	Scaffold1885	21309	AA	CC	1940506374
SNP_P1_241380_21516	NW_004516967.1	Scaffold1885	21516	AA	TT	1940506376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241383_25674	NW_004516967.1	Scaffold1885	25674	CC	TT	1940506382
SNP_P1_241384_25681	NW_004516967.1	Scaffold1885	25681	TT	CC	1940506385
SNP_P1_241385_30394	NW_004516967.1	Scaffold1885	30394	TT	CC	1940506387
SNP_P1_241386_30407	NW_004516967.1	Scaffold1885	30407	TT	CC	1940506389
SNP_P1_241387_39606	NW_004516967.1	Scaffold1885	39606	AA	CC	1940506391
SNP_P1_241388_39783	NW_004516967.1	Scaffold1885	39783	AA	CC	1940506393
SNP_P1_241391_40614	NW_004516967.1	Scaffold1885	40614	CC	AA	1940506395
SNP_P1_241393_42432	NW_004516967.1	Scaffold1885	42432	AA	GG	1940506397
SNP_P1_241394_42540	NW_004516967.1	Scaffold1885	42540	TT	CC	1940506400
SNP_P1_241395_42833	NW_004516967.1	Scaffold1885	42833	TT	CC	1940506402
SNP_P1_241396_42986	NW_004516967.1	Scaffold1885	42986	GG	AA	1940506404
SNP_P1_241397_43818	NW_004516967.1	Scaffold1885	43818	AA	GG	1940506406
SNP_P1_241398_43822	NW_004516967.1	Scaffold1885	43822	TT	AA	1940506408
SNP_P1_241399_45434	NW_004516967.1	Scaffold1885	45434	TT	GG	1940506410
SNP_P1_241400_46767	NW_004516967.1	Scaffold1885	46767	GG	AA	1940506412
SNP_P1_241401_46787	NW_004516967.1	Scaffold1885	46787	AA	TT	1940506415
SNP_P1_241402_46818	NW_004516967.1	Scaffold1885	46818	TT	GG	1940506417
SNP_P1_241403_47190	NW_004516967.1	Scaffold1885	47190	TT	CC	1940506419
SNP_P1_241404_47458	NW_004516967.1	Scaffold1885	47458	CC	GG	1940506421
SNP_P1_241406_48131	NW_004516967.1	Scaffold1885	48131	CC	AA	1940506423
SNP_P1_241407_3368	NW_004516968.1	Scaffold1886	3368	CC	AA	1940506425
SNP_P1_241408_3420	NW_004516968.1	Scaffold1886	3420	CC	TT	1940506427
SNP_P1_241409_3653	NW_004516968.1	Scaffold1886	3653	AA	TT	1940506429
SNP_P1_241410_3659	NW_004516968.1	Scaffold1886	3659	GG	AA	1940506432
SNP_P1_241411_3661	NW_004516968.1	Scaffold1886	3661	GG	TT	1940506434
SNP_P1_241412_3669	NW_004516968.1	Scaffold1886	3669	TT	CC	1940506436
SNP_P1_241413_3671	NW_004516968.1	Scaffold1886	3671	AA	CC	1940506438
SNP_P1_241414_3674	NW_004516968.1	Scaffold1886	3674	GG	AA	1940506440
SNP_P1_241416_4054	NW_004516968.1	Scaffold1886	4054	AA	GG	1940506442
SNP_P1_241418_17931	NW_004516968.1	Scaffold1886	17931	GG	AA	1940506444
SNP_P1_241420_18289	NW_004516968.1	Scaffold1886	18289	CC	TT	1940506446
SNP_P1_241421_19047	NW_004516968.1	Scaffold1886	19047	TT	CC	1940506449
SNP_P1_241422_19077	NW_004516968.1	Scaffold1886	19077	AA	GG	1940506451
SNP_P1_241423_22449	NW_004516968.1	Scaffold1886	22449	AA	CC	1940506453
SNP_P1_241424_22482	NW_004516968.1	Scaffold1886	22482	AA	GG	1940506455
SNP_P1_241425_22487	NW_004516968.1	Scaffold1886	22487	GG	AA	1940506457
SNP_P1_241427_39	NW_004516969.1	Scaffold1888	39	GG	AA	1940506459
SNP_P1_241428_64	NW_004516969.1	Scaffold1888	64	GG	AA	1940506461
SNP_P1_241429_67	NW_004516969.1	Scaffold1888	67	GG	AA	1940506464
SNP_P1_241430_71	NW_004516969.1	Scaffold1888	71	TT	CC	1940506466

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241432_228	NW_004516969.1	Scaffold1888	228	GG	AA	1940506470
SNP_P1_241433_373	NW_004516969.1	Scaffold1888	373	GG	AA	1940506472
SNP_P1_241434_383	NW_004516969.1	Scaffold1888	383	TT	CC	1940506474
SNP_P1_241435_397	NW_004516969.1	Scaffold1888	397	GG	AA	1940506475
SNP_P1_241437_533	NW_004516969.1	Scaffold1888	533	AA	CC	1940506478
SNP_P1_241438_588	NW_004516969.1	Scaffold1888	588	AA	GG	1940506480
SNP_P1_241439_658	NW_004516969.1	Scaffold1888	658	GG	TT	1940506481
SNP_P1_241440_835	NW_004516969.1	Scaffold1888	835	AA	GG	1940506483
SNP_P1_241442_9353	NW_004516970.1	Scaffold1891	9353	GG	CC	1940506485
SNP_P1_241443_64	NW_004516971.1	Scaffold1892	64	AA	GG	1940506488
SNP_P1_241444_65	NW_004516971.1	Scaffold1892	65	GG	TT	1940506490
SNP_P1_241445_101	NW_004516972.1	Scaffold1893	101	CC	TT	1940506492
SNP_P1_241446_130	NW_004516972.1	Scaffold1893	130	CC	GG	1940506494
SNP_P1_241447_151	NW_004516972.1	Scaffold1893	151	CC	GG	1940506496
SNP_P1_241448_183	NW_004516972.1	Scaffold1893	183	CC	TT	1940506498
SNP_P1_241449_506	NW_004516972.1	Scaffold1893	506	CC	TT	1940506500
SNP_P1_241450_2137	NW_004516972.1	Scaffold1893	2137	GG	AA	1940506502
SNP_P1_241451_2452	NW_004516972.1	Scaffold1893	2452	TT	GG	1940506505
SNP_P1_241452_14951	NW_004516972.1	Scaffold1893	14951	GG	TT	1940506507
SNP_P1_241453_15271	NW_004516972.1	Scaffold1893	15271	GG	AA	1940506509
SNP_P1_241454_15793	NW_004516972.1	Scaffold1893	15793	TT	GG	1940506511
SNP_P1_241455_15796	NW_004516972.1	Scaffold1893	15796	TT	AA	1940506513
SNP_P1_241456_15812	NW_004516972.1	Scaffold1893	15812	GG	AA	1940506515
SNP_P1_241457_15847	NW_004516972.1	Scaffold1893	15847	TT	GG	1940506517
SNP_P1_241458_16055	NW_004516972.1	Scaffold1893	16055	AA	GG	1940506520
SNP_P1_241459_16857	NW_004516972.1	Scaffold1893	16857	GG	AA	1940506522
SNP_P1_241460_17300	NW_004516972.1	Scaffold1893	17300	CC	TT	1940506524
SNP_P1_241461_17454	NW_004516972.1	Scaffold1893	17454	TT	AA	1940506526
SNP_P1_241462_30850	NW_004516972.1	Scaffold1893	30850	GG	AA	1940506528
SNP_P1_241463_44325	NW_004516972.1	Scaffold1893	44325	AA	GG	1940506530
SNP_P1_241464_46877	NW_004516972.1	Scaffold1893	46877	AA	GG	1940506532
SNP_P1_241465_308	NW_004516973.1	Scaffold1894	308	TT	CC	1940506534
SNP_P1_241466_325	NW_004516973.1	Scaffold1894	325	AA	CC	1940506537
SNP_P1_241467_1530	NW_004516973.1	Scaffold1894	1530	AA	CC	1940506539
SNP_P1_241468_1879	NW_004516973.1	Scaffold1894	1879	TT	CC	1940506541
SNP_P1_241469_2685	NW_004516973.1	Scaffold1894	2685	CC	GG	1940506543
SNP_P1_241470_9858	NW_004516973.1	Scaffold1894	9858	AA	TT	1940506545
SNP_P1_241471_9960	NW_004516973.1	Scaffold1894	9960	AA	GG	1940506547
SNP_P1_241472_10165	NW_004516974.1	Scaffold1896	10165	CC	GG	1940506549
SNP_P1_241473_12950	NW_004516974.1	Scaffold1896	12950	CC	GG	1940506552
SNP_P1_241474_13796	NW_004516974.1	Scaffold1896	13796	GG	CC	1940506554

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241477_2964	NW_004516975.1	Scaffold1897	2964	AA	CC	1940506560
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SNP_P1_241479_3004	NW_004516975.1	Scaffold1897	3004	TT	AA	1940506564
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SNP_P1_241482_11687	NW_004516975.1	Scaffold1897	11687	GG	TT	1940506571
SNP_P1_241483_11738	NW_004516975.1	Scaffold1897	11738	TT	GG	1940506573
SNP_P1_241485_448	NW_004516977.1	Scaffold1899	448	TT	CC	1940506575
SNP_P1_241486_2784	NW_004516977.1	Scaffold1899	2784	CC	TT	1940506577
SNP_P1_241487_7386	NW_004516977.1	Scaffold1899	7386	TT	CC	1940506579
SNP_P1_241489_18563	NW_004516977.1	Scaffold1899	18563	TT	CC	1940506581
SNP_P1_241490_33568	NW_004516977.1	Scaffold1899	33568	AA	GG	1940506583
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SNP_P1_241492_42781	NW_004516977.1	Scaffold1899	42781	TT	CC	1940506588
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SNP_P1_241494_44832	NW_004516977.1	Scaffold1899	44832	AA	GG	1940506592
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SNP_P1_241499_4739	NW_004516978.1	Scaffold1900	4739	TT	AA	1940506603
SNP_P1_241500_744	NW_004516980.1	Scaffold1902	744	TT	AA	1940506605
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SNP_P1_241503_116	NW_004516981.1	Scaffold1903	116	GG	TT	1940506611
SNP_P1_241504_128	NW_004516981.1	Scaffold1903	128	GG	CC	1940506613
SNP_P1_241505_181	NW_004516981.1	Scaffold1903	181	GG	AA	1940506615
SNP_P1_241506_1707	NW_004516981.1	Scaffold1903	1707	AA	CC	1940506618
SNP_P1_241507_1739	NW_004516981.1	Scaffold1903	1739	GG	AA	1940506620
SNP_P1_241508_1814	NW_004516981.1	Scaffold1903	1814	GG	AA	1940506622
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SNP_P1_241512_2210	NW_004516981.1	Scaffold1903	2210	AA	TT	1940506630
SNP_P1_241513_2233	NW_004516981.1	Scaffold1903	2233	GG	AA	1940506633
SNP_P1_241515_1107	NW_004516982.1	Scaffold1904	1107	TT	CC	1940506635
SNP_P1_241516_1109	NW_004516982.1	Scaffold1904	1109	TT	GG	1940506637
SNP_P1_241517_1116	NW_004516982.1	Scaffold1904	1116	AA	GG	1940506639
SNP_P1_241518_1134	NW_004516982.1	Scaffold1904	1134	CC	TT	1940506641
SNP_P1_241519_1149	NW_004516982.1	Scaffold1904	1149	AA	TT	1940506643

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241522_1215	NW_004516982.1	Scaffold1904	1215	AA	TT	1940506650
SNP_P1_241523_1487	NW_004516982.1	Scaffold1904	1487	CC	GG	1940506652
SNP_P1_241524_1527	NW_004516982.1	Scaffold1904	1527	GG	AA	1940506654
SNP_P1_241525_1569	NW_004516982.1	Scaffold1904	1569	GG	AA	1940506656
SNP_P1_241526_1575	NW_004516982.1	Scaffold1904	1575	TT	CC	1940506658
SNP_P1_241527_6413	NW_004516982.1	Scaffold1904	6413	TT	CC	1940506660
SNP_P1_241528_6430	NW_004516982.1	Scaffold1904	6430	GG	TT	1940506662
SNP_P1_241529_6433	NW_004516982.1	Scaffold1904	6433	TT	AA	1940506664
SNP_P1_241530_6438	NW_004516982.1	Scaffold1904	6438	GG	TT	1940506667
SNP_P1_241531_6439	NW_004516982.1	Scaffold1904	6439	TT	GG	1940506669
SNP_P1_241532_338	NW_004516983.1	Scaffold1905	338	AA	GG	1940506671
SNP_P1_241534_1670	NW_004516983.1	Scaffold1905	1670	GG	AA	1940506673
SNP_P1_241535_1763	NW_004516983.1	Scaffold1905	1763	CC	GG	1940506675
SNP_P1_241536_1803	NW_004516983.1	Scaffold1905	1803	CC	TT	1940506677
SNP_P1_241537_1823	NW_004516983.1	Scaffold1905	1823	TT	GG	1940506679
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SNP_P1_241540_1921	NW_004516983.1	Scaffold1905	1921	CC	GG	1940506686
SNP_P1_241541_1942	NW_004516983.1	Scaffold1905	1942	CC	TT	1940506688
SNP_P1_241542_1988	NW_004516983.1	Scaffold1905	1988	TT	GG	1940506690
SNP_P1_241543_2002	NW_004516983.1	Scaffold1905	2002	AA	CC	1940506692
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SNP_P1_241546_2217	NW_004516983.1	Scaffold1905	2217	TT	AA	1940506699
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SNP_P1_241552_16560	NW_004516983.1	Scaffold1905	16560	TT	CC	1940506711
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SNP_P1_241557_16927	NW_004516983.1	Scaffold1905	16927	TT	CC	1940506722
SNP_P1_241558_16946	NW_004516983.1	Scaffold1905	16946	TT	CC	1940506724
SNP_P1_241559_16966	NW_004516983.1	Scaffold1905	16966	CC	AA	1940506726
SNP_P1_241560_17011	NW_004516983.1	Scaffold1905	17011	GG	AA	1940506728
SNP_P1_241561_17251	NW_004516983.1	Scaffold1905	17251	CC	TT	1940506731
SNP_P1_241562_17255	NW_004516983.1	Scaffold1905	17255	AA	CC	1940506733

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_241563_17285	NW_004516983.1	Scaffold1905	17285	AA	CC	1940506735
SNP_P1_241564_21546	NW_004516983.1	Scaffold1905	21546	CC	TT	1940506737
SNP_P1_241566_22927	NW_004516983.1	Scaffold1905	22927	TT	AA	1940506739
SNP_P1_241567_31105	NW_004516983.1	Scaffold1905	31105	CC	AA	1940506741
SNP_P1_241568_31672	NW_004516983.1	Scaffold1905	31672	GG	AA	1940506743
SNP_P1_241569_31971	NW_004516983.1	Scaffold1905	31971	TT	GG	1940506746
SNP_P1_241570_31993	NW_004516983.1	Scaffold1905	31993	AA	CC	1940506748
SNP_P1_241571_32057	NW_004516983.1	Scaffold1905	32057	CC	GG	1940506750
SNP_P1_241572_32151	NW_004516983.1	Scaffold1905	32151	GG	AA	1940506752
SNP_P1_241573_32295	NW_004516983.1	Scaffold1905	32295	GG	CC	1940506754
SNP_P1_241574_1760	NW_004516984.1	Scaffold1907	1760	CC	TT	1940506756
SNP_P1_241575_15321	NW_004516984.1	Scaffold1907	15321	AA	TT	1940506758
SNP_P1_241577_16740	NW_004516984.1	Scaffold1907	16740	TT	AA	1940506760
SNP_P1_241578_18778	NW_004516984.1	Scaffold1907	18778	GG	CC	1940506763
SNP_P1_241579_23722	NW_004516984.1	Scaffold1907	23722	TT	GG	1940506765
SNP_P1_241580_23733	NW_004516984.1	Scaffold1907	23733	TT	GG	1940506767
SNP_P1_241581_23839	NW_004516984.1	Scaffold1907	23839	CC	TT	1940506769
SNP_P1_241583_23985	NW_004516984.1	Scaffold1907	23985	GG	TT	1940506771
SNP_P1_241584_23988	NW_004516984.1	Scaffold1907	23988	AA	GG	1940506773
SNP_P1_241585_24017	NW_004516984.1	Scaffold1907	24017	AA	GG	1940506775
SNP_P1_241586_24075	NW_004516984.1	Scaffold1907	24075	TT	GG	1940506778
SNP_P1_241587_36567	NW_004516984.1	Scaffold1907	36567	GG	CC	1940506780
SNP_P1_241588_36580	NW_004516984.1	Scaffold1907	36580	TT	CC	1940506782
SNP_P1_241589_36980	NW_004516984.1	Scaffold1907	36980	AA	GG	1940506784
SNP_P1_241590_39971	NW_004516984.1	Scaffold1907	39971	GG	TT	1940506786
SNP_P1_241591_53461	NW_004516984.1	Scaffold1907	53461	AA	CC	1940506788
SNP_P1_241592_55380	NW_004516984.1	Scaffold1907	55380	GG	TT	1940506790
SNP_P1_241593_55873	NW_004516984.1	Scaffold1907	55873	GG	TT	1940506793
SNP_P1_241594_56958	NW_004516984.1	Scaffold1907	56958	CC	TT	1940506795
SNP_P1_241595_57612	NW_004516984.1	Scaffold1907	57612	TT	CC	1940506797
SNP_P1_241596_60665	NW_004516984.1	Scaffold1907	60665	TT	GG	1940506799
SNP_P1_241597_61551	NW_004516984.1	Scaffold1907	61551	AA	CC	1940506801
SNP_P1_241598_61628	NW_004516984.1	Scaffold1907	61628	AA	TT	1940506803
SNP_P1_241599_61664	NW_004516984.1	Scaffold1907	61664	AA	TT	1940506805
SNP_P1_241600_62076	NW_004516984.1	Scaffold1907	62076	GG	AA	1940506807
SNP_P1_241601_62842	NW_004516984.1	Scaffold1907	62842	AA	GG	1940506810
SNP_P1_241602_63180	NW_004516984.1	Scaffold1907	63180	AA	GG	1940506812
SNP_P1_241603_64821	NW_004516984.1	Scaffold1907	64821	TT	CC	1940506814
SNP_P1_241604_71050	NW_004516984.1	Scaffold1907	71050	AA	GG	1940506816
SNP_P1_241605_71051	NW_004516984.1	Scaffold1907	71051	CC	TT	1940506818
SNP_P1_241606_90548	NW_004516984.1	Scaffold1907	90548	GG	TT	1940506820
SNP_P1_241607_90611	NW_004516984.1	Scaffold1907	90611	TT	GG	1940506822

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241609_90903	NW_004516984.1	Scaffold1907	90903	GG	CC	1940506827
SNP_P1_241610_264	NW_004516987.1	Scaffold1910	264	GG	AA	1940506829
SNP_P1_241611_303	NW_004516987.1	Scaffold1910	303	AA	GG	1940506831
SNP_P1_241612_306	NW_004516987.1	Scaffold1910	306	CC	TT	1940506833
SNP_P1_241613_307	NW_004516987.1	Scaffold1910	307	TT	CC	1940506835
SNP_P1_241614_309	NW_004516987.1	Scaffold1910	309	TT	CC	1940506837
SNP_P1_241615_759	NW_004516987.1	Scaffold1910	759	AA	TT	1940506839
SNP_P1_241616_787	NW_004516987.1	Scaffold1910	787	AA	CC	1940506842
SNP_P1_241617_1057	NW_004516987.1	Scaffold1910	1057	AA	CC	1940506844
SNP_P1_241618_1091	NW_004516987.1	Scaffold1910	1091	AA	GG	1940506846
SNP_P1_241619_1576	NW_004516987.1	Scaffold1910	1576	TT	GG	1940506848
SNP_P1_241620_6509	NW_004516987.1	Scaffold1910	6509	AA	TT	1940506850
SNP_P1_241621_6552	NW_004516987.1	Scaffold1910	6552	AA	GG	1940506852
SNP_P1_241622_6612	NW_004516987.1	Scaffold1910	6612	GG	AA	1940506854
SNP_P1_241623_6619	NW_004516987.1	Scaffold1910	6619	CC	TT	1940506856
SNP_P1_241624_6620	NW_004516987.1	Scaffold1910	6620	CC	TT	1940506859
SNP_P1_241625_6621	NW_004516987.1	Scaffold1910	6621	AA	TT	1940506861
SNP_P1_241626_6622	NW_004516987.1	Scaffold1910	6622	TT	GG	1940506863
SNP_P1_241627_6680	NW_004516987.1	Scaffold1910	6680	GG	CC	1940506865
SNP_P1_241628_6681	NW_004516987.1	Scaffold1910	6681	AA	TT	1940506867
SNP_P1_241629_6781	NW_004516987.1	Scaffold1910	6781	GG	TT	1940506869
SNP_P1_241630_6852	NW_004516987.1	Scaffold1910	6852	CC	TT	1940506871
SNP_P1_241631_6935	NW_004516987.1	Scaffold1910	6935	GG	CC	1940506873
SNP_P1_241632_6998	NW_004516987.1	Scaffold1910	6998	AA	TT	1940506876
SNP_P1_241633_7009	NW_004516987.1	Scaffold1910	7009	TT	GG	1940506878
SNP_P1_241634_7010	NW_004516987.1	Scaffold1910	7010	GG	CC	1940506880
SNP_P1_241635_7042	NW_004516987.1	Scaffold1910	7042	GG	AA	1940506882
SNP_P1_241636_7050	NW_004516987.1	Scaffold1910	7050	CC	TT	1940506884
SNP_P1_241637_7058	NW_004516987.1	Scaffold1910	7058	CC	TT	1940506886
SNP_P1_241638_7081	NW_004516987.1	Scaffold1910	7081	AA	GG	1940506889
SNP_P1_241639_7142	NW_004516987.1	Scaffold1910	7142	CC	GG	1940506891
SNP_P1_241640_7195	NW_004516987.1	Scaffold1910	7195	GG	TT	1940506893
SNP_P1_241641_8937	NW_004516987.1	Scaffold1910	8937	GG	TT	1940506895
SNP_P1_241642_13505	NW_004516987.1	Scaffold1910	13505	TT	CC	1940506897
SNP_P1_241643_13647	NW_004516987.1	Scaffold1910	13647	GG	TT	1940506899
SNP_P1_241644_13695	NW_004516987.1	Scaffold1910	13695	GG	AA	1940506901
SNP_P1_241646_14057	NW_004516987.1	Scaffold1910	14057	TT	CC	1940506903
SNP_P1_241647_15320	NW_004516987.1	Scaffold1910	15320	AA	GG	1940506905
SNP_P1_241648_15331	NW_004516987.1	Scaffold1910	15331	CC	AA	1940506908
SNP_P1_241649_15332	NW_004516987.1	Scaffold1910	15332	AA	TT	1940506910
SNP_P1_241650_17684	NW_004516987.1	Scaffold1910	17684	AA	GG	1940506912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_241651_17722	NW_004516987.1	Scaffold1910	17722	GG	AA	1940506914
SNP_P1_241652_17759	NW_004516987.1	Scaffold1910	17759	CC	GG	1940506916
SNP_P1_241653_17795	NW_004516987.1	Scaffold1910	17795	TT	CC	1940506918
SNP_P1_241654_18151	NW_004516987.1	Scaffold1910	18151	GG	CC	1940506920
SNP_P1_241655_18229	NW_004516987.1	Scaffold1910	18229	TT	GG	1940506922
SNP_P1_241656_18981	NW_004516987.1	Scaffold1910	18981	AA	GG	1940506925
SNP_P1_241657_23293	NW_004516987.1	Scaffold1910	23293	AA	CC	1940506927
SNP_P1_241658_23400	NW_004516987.1	Scaffold1910	23400	GG	AA	1940506929
SNP_P1_241659_23464	NW_004516987.1	Scaffold1910	23464	CC	AA	1940506931
SNP_P1_241660_23466	NW_004516987.1	Scaffold1910	23466	TT	CC	1940506933
SNP_P1_241661_32236	NW_004516987.1	Scaffold1910	32236	AA	TT	1940506935
SNP_P1_241662_32239	NW_004516987.1	Scaffold1910	32239	TT	GG	1940506937
SNP_P1_241663_32240	NW_004516987.1	Scaffold1910	32240	CC	TT	1940506939
SNP_P1_241664_32241	NW_004516987.1	Scaffold1910	32241	AA	GG	1940506942
SNP_P1_241665_32245	NW_004516987.1	Scaffold1910	32245	GG	CC	1940506944
SNP_P1_241666_36679	NW_004516987.1	Scaffold1910	36679	GG	TT	1940506946
SNP_P1_241667_36680	NW_004516987.1	Scaffold1910	36680	TT	CC	1940506948
SNP_P1_241668_36710	NW_004516987.1	Scaffold1910	36710	CC	TT	1940506950
SNP_P1_241669_36746	NW_004516987.1	Scaffold1910	36746	GG	AA	1940506952
SNP_P1_241670_36788	NW_004516987.1	Scaffold1910	36788	TT	CC	1940506954
SNP_P1_241671_36797	NW_004516987.1	Scaffold1910	36797	GG	AA	1940506956
SNP_P1_241672_37029	NW_004516987.1	Scaffold1910	37029	TT	CC	1940506959
SNP_P1_241673_37038	NW_004516987.1	Scaffold1910	37038	GG	CC	1940506961
SNP_P1_241674_37056	NW_004516987.1	Scaffold1910	37056	TT	CC	1940506963
SNP_P1_241675_37079	NW_004516987.1	Scaffold1910	37079	TT	CC	1940506965
SNP_P1_241676_37089	NW_004516987.1	Scaffold1910	37089	AA	GG	1940506967
SNP_P1_241677_37111	NW_004516987.1	Scaffold1910	37111	AA	CC	1940506969
SNP_P1_241678_37137	NW_004516987.1	Scaffold1910	37137	TT	CC	1940506971
SNP_P1_241679_37173	NW_004516987.1	Scaffold1910	37173	TT	CC	1940506973
SNP_P1_241680_38991	NW_004516987.1	Scaffold1910	38991	TT	AA	1940506975
SNP_P1_241681_39179	NW_004516987.1	Scaffold1910	39179	TT	CC	1940506978
SNP_P1_241682_46347	NW_004516987.1	Scaffold1910	46347	CC	TT	1940506980
SNP_P1_241683_1471	NW_004516988.1	Scaffold1911	1471	TT	GG	1940506982
SNP_P1_241684_1474	NW_004516988.1	Scaffold1911	1474	GG	TT	1940506984
SNP_P1_241685_2815	NW_004516988.1	Scaffold1911	2815	TT	AA	1940506986
SNP_P1_241686_2843	NW_004516988.1	Scaffold1911	2843	GG	TT	1940506988
SNP_P1_241687_2905	NW_004516988.1	Scaffold1911	2905	TT	GG	1940506990
SNP_P1_241688_2943	NW_004516988.1	Scaffold1911	2943	CC	AA	1940506993
SNP_P1_241689_3010	NW_004516988.1	Scaffold1911	3010	TT	CC	1940506995
SNP_P1_241690_3017	NW_004516988.1	Scaffold1911	3017	CC	TT	1940506997
SNP_P1_241691_3146	NW_004516988.1	Scaffold1911	3146	TT	CC	1940506999
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241694_12132	NW_004516988.1	Scaffold1911	12132	AA	TT	1940507005
SNP_P1_241695_12254	NW_004516988.1	Scaffold1911	12254	GG	AA	1940507007
SNP_P1_241696_12329	NW_004516988.1	Scaffold1911	12329	GG	AA	1940507010
SNP_P1_241697_12368	NW_004516988.1	Scaffold1911	12368	TT	AA	1940507012
SNP_P1_241698_12433	NW_004516988.1	Scaffold1911	12433	GG	AA	1940507014
SNP_P1_241699_12491	NW_004516988.1	Scaffold1911	12491	TT	CC	1940507016
SNP_P1_241700_12519	NW_004516988.1	Scaffold1911	12519	TT	GG	1940507018
SNP_P1_241701_12540	NW_004516988.1	Scaffold1911	12540	TT	GG	1940507020
SNP_P1_241702_12650	NW_004516988.1	Scaffold1911	12650	AA	TT	1940507022
SNP_P1_241703_12733	NW_004516988.1	Scaffold1911	12733	TT	AA	1940507024
SNP_P1_241704_12755	NW_004516988.1	Scaffold1911	12755	TT	CC	1940507027
SNP_P1_241706_12980	NW_004516988.1	Scaffold1911	12980	AA	GG	1940507029
SNP_P1_241707_13134	NW_004516988.1	Scaffold1911	13134	GG	TT	1940507031
SNP_P1_241708_13158	NW_004516988.1	Scaffold1911	13158	AA	GG	1940507033
SNP_P1_241709_13178	NW_004516988.1	Scaffold1911	13178	AA	GG	1940507035
SNP_P1_241710_13202	NW_004516988.1	Scaffold1911	13202	GG	AA	1940507037
SNP_P1_241711_13224	NW_004516988.1	Scaffold1911	13224	AA	GG	1940507039
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SNP_P1_241713_15193	NW_004516988.1	Scaffold1911	15193	GG	AA	1940507043
SNP_P1_241714_16542	NW_004516988.1	Scaffold1911	16542	AA	GG	1940507046
SNP_P1_241715_16689	NW_004516988.1	Scaffold1911	16689	TT	CC	1940507048
SNP_P1_241716_16781	NW_004516988.1	Scaffold1911	16781	TT	CC	1940507050
SNP_P1_241717_16842	NW_004516988.1	Scaffold1911	16842	GG	TT	1940507052
SNP_P1_241718_16954	NW_004516988.1	Scaffold1911	16954	AA	TT	1940507054
SNP_P1_241719_16955	NW_004516988.1	Scaffold1911	16955	GG	AA	1940507056
SNP_P1_241720_16958	NW_004516988.1	Scaffold1911	16958	AA	TT	1940507058
SNP_P1_241721_16959	NW_004516988.1	Scaffold1911	16959	TT	CC	1940507060
SNP_P1_241722_17143	NW_004516988.1	Scaffold1911	17143	AA	CC	1940507063
SNP_P1_241723_17215	NW_004516988.1	Scaffold1911	17215	TT	CC	1940507065
SNP_P1_241724_17224	NW_004516988.1	Scaffold1911	17224	AA	GG	1940507067
SNP_P1_241725_2453	NW_004516989.1	Scaffold1912	2453	CC	TT	1940507069
SNP_P1_241726_2489	NW_004516989.1	Scaffold1912	2489	GG	AA	1940507071
SNP_P1_241727_3108	NW_004516989.1	Scaffold1912	3108	AA	GG	1940507073
SNP_P1_241728_5420	NW_004516989.1	Scaffold1912	5420	GG	CC	1940507075
SNP_P1_241729_8014	NW_004516989.1	Scaffold1912	8014	AA	TT	1940507077
SNP_P1_241730_8024	NW_004516989.1	Scaffold1912	8024	AA	GG	1940507079
SNP_P1_241731_8200	NW_004516989.1	Scaffold1912	8200	AA	CC	1940507082
SNP_P1_241732_8296	NW_004516989.1	Scaffold1912	8296	GG	CC	1940507084
SNP_P1_241733_8338	NW_004516989.1	Scaffold1912	8338	GG	AA	1940507086
SNP_P1_241734_11823	NW_004516989.1	Scaffold1912	11823	AA	TT	1940507088
SNP_P1_241735_11827	NW_004516989.1	Scaffold1912	11827	AA	GG	1940507090

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241737_4940	NW_004516990.1	Scaffold1913	4940	GG	AA	1940507095
SNP_P1_241738_5286	NW_004516990.1	Scaffold1913	5286	TT	GG	1940507097
SNP_P1_241739_8282	NW_004516994.1	Scaffold1918	8282	GG	AA	1940507099
SNP_P1_241740_8618	NW_004516994.1	Scaffold1918	8618	TT	CC	1940507101
SNP_P1_241741_16099	NW_004516994.1	Scaffold1918	16099	TT	CC	1940507103
SNP_P1_241742_16506	NW_004516994.1	Scaffold1918	16506	AA	TT	1940507105
SNP_P1_241743_16507	NW_004516994.1	Scaffold1918	16507	TT	AA	1940507107
SNP_P1_241744_16916	NW_004516994.1	Scaffold1918	16916	TT	CC	1940507109
SNP_P1_241745_17164	NW_004516994.1	Scaffold1918	17164	AA	GG	1940507112
SNP_P1_241748_17499	NW_004516994.1	Scaffold1918	17499	TT	AA	1940507114
SNP_P1_241749_18715	NW_004516994.1	Scaffold1918	18715	TT	CC	1940507116
SNP_P1_241750_18940	NW_004516994.1	Scaffold1918	18940	TT	AA	1940507118
SNP_P1_241751_20051	NW_004516994.1	Scaffold1918	20051	TT	CC	1940507120
SNP_P1_241752_20327	NW_004516994.1	Scaffold1918	20327	TT	CC	1940507122
SNP_P1_241753_20353	NW_004516994.1	Scaffold1918	20353	CC	AA	1940507124
SNP_P1_241754_20367	NW_004516994.1	Scaffold1918	20367	TT	CC	1940507126
SNP_P1_241755_21422	NW_004516994.1	Scaffold1918	21422	TT	AA	1940507129
SNP_P1_241756_21424	NW_004516994.1	Scaffold1918	21424	CC	TT	1940507131
SNP_P1_241757_22185	NW_004516994.1	Scaffold1918	22185	CC	TT	1940507133
SNP_P1_241758_22550	NW_004516994.1	Scaffold1918	22550	CC	AA	1940507135
SNP_P1_241760_24635	NW_004516994.1	Scaffold1918	24635	GG	TT	1940507137
SNP_P1_241761_25323	NW_004516994.1	Scaffold1918	25323	GG	TT	1940507139
SNP_P1_241762_26567	NW_004516994.1	Scaffold1918	26567	GG	TT	1940507141
SNP_P1_241763_26801	NW_004516994.1	Scaffold1918	26801	TT	GG	1940507144
SNP_P1_241764_26944	NW_004516994.1	Scaffold1918	26944	AA	CC	1940507146
SNP_P1_241765_27223	NW_004516994.1	Scaffold1918	27223	AA	TT	1940507148
SNP_P1_241766_27410	NW_004516994.1	Scaffold1918	27410	CC	GG	1940507150
SNP_P1_241767_27486	NW_004516994.1	Scaffold1918	27486	AA	GG	1940507152
SNP_P1_241768_27640	NW_004516994.1	Scaffold1918	27640	GG	TT	1940507154
SNP_P1_241769_27643	NW_004516994.1	Scaffold1918	27643	TT	GG	1940507156
SNP_P1_241770_28039	NW_004516994.1	Scaffold1918	28039	AA	GG	1940507158
SNP_P1_241771_28108	NW_004516994.1	Scaffold1918	28108	AA	TT	1940507161
SNP_P1_241772_28691	NW_004516994.1	Scaffold1918	28691	GG	AA	1940507163
SNP_P1_241773_28738	NW_004516994.1	Scaffold1918	28738	AA	GG	1940507165
SNP_P1_241774_29260	NW_004516994.1	Scaffold1918	29260	TT	GG	1940507167
SNP_P1_241775_29298	NW_004516994.1	Scaffold1918	29298	TT	CC	1940507169
SNP_P1_241776_29521	NW_004516994.1	Scaffold1918	29521	TT	CC	1940507171
SNP_P1_241777_29596	NW_004516994.1	Scaffold1918	29596	TT	CC	1940507173
SNP_P1_241778_29600	NW_004516994.1	Scaffold1918	29600	TT	CC	1940507175
SNP_P1_241779_29603	NW_004516994.1	Scaffold1918	29603	TT	AA	1940507178
SNP_P1_241780_29623	NW_004516994.1	Scaffold1918	29623	GG	TT	1940507180

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_241781_29755	NW_004516994.1	Scaffold1918	29755	CC	TT	1940507182
SNP_P1_241782_31242	NW_004516994.1	Scaffold1918	31242	TT	AA	1940507184
SNP_P1_241783_31523	NW_004516994.1	Scaffold1918	31523	TT	CC	1940507186
SNP_P1_241784_31585	NW_004516994.1	Scaffold1918	31585	GG	AA	1940507188
SNP_P1_241785_31750	NW_004516994.1	Scaffold1918	31750	TT	CC	1940507190
SNP_P1_241786_31797	NW_004516994.1	Scaffold1918	31797	GG	TT	1940507192
SNP_P1_241787_31821	NW_004516994.1	Scaffold1918	31821	GG	TT	1940507194
SNP_P1_241789_31898	NW_004516994.1	Scaffold1918	31898	TT	AA	1940507196
SNP_P1_241790_32210	NW_004516994.1	Scaffold1918	32210	AA	GG	1940507199
SNP_P1_241791_32438	NW_004516994.1	Scaffold1918	32438	TT	AA	1940507201
SNP_P1_241792_32445	NW_004516994.1	Scaffold1918	32445	AA	TT	1940507203
SNP_P1_241793_32473	NW_004516994.1	Scaffold1918	32473	GG	AA	1940507205
SNP_P1_241794_32745	NW_004516994.1	Scaffold1918	32745	GG	AA	1940507207
SNP_P1_241795_33354	NW_004516994.1	Scaffold1918	33354	CC	TT	1940507209
SNP_P1_241796_38330	NW_004516994.1	Scaffold1918	38330	TT	GG	1940507211
SNP_P1_241797_38918	NW_004516994.1	Scaffold1918	38918	AA	GG	1940507213
SNP_P1_241798_38956	NW_004516994.1	Scaffold1918	38956	TT	AA	1940507216
SNP_P1_241799_38965	NW_004516994.1	Scaffold1918	38965	CC	TT	1940507218
SNP_P1_241800_39171	NW_004516994.1	Scaffold1918	39171	AA	GG	1940507220
SNP_P1_241801_39451	NW_004516994.1	Scaffold1918	39451	CC	TT	1940507222
SNP_P1_241802_39557	NW_004516994.1	Scaffold1918	39557	GG	AA	1940507224
SNP_P1_241803_39568	NW_004516994.1	Scaffold1918	39568	GG	CC	1940507226
SNP_P1_241804_39655	NW_004516994.1	Scaffold1918	39655	AA	CC	1940507228
SNP_P1_241805_39755	NW_004516994.1	Scaffold1918	39755	TT	CC	1940507231
SNP_P1_241806_39768	NW_004516994.1	Scaffold1918	39768	GG	CC	1940507233
SNP_P1_241807_39873	NW_004516994.1	Scaffold1918	39873	AA	CC	1940507235
SNP_P1_241808_40039	NW_004516994.1	Scaffold1918	40039	TT	CC	1940507237
SNP_P1_241809_40629	NW_004516994.1	Scaffold1918	40629	TT	CC	1940507239
SNP_P1_241810_40638	NW_004516994.1	Scaffold1918	40638	TT	GG	1940507241
SNP_P1_241811_40805	NW_004516994.1	Scaffold1918	40805	AA	GG	1940507243
SNP_P1_241812_42785	NW_004516994.1	Scaffold1918	42785	AA	CC	1940507245
SNP_P1_241813_42802	NW_004516994.1	Scaffold1918	42802	GG	AA	1940507248
SNP_P1_241814_44039	NW_004516994.1	Scaffold1918	44039	TT	AA	1940507250
SNP_P1_241817_45896	NW_004516994.1	Scaffold1918	45896	AA	TT	1940507252
SNP_P1_241818_46113	NW_004516994.1	Scaffold1918	46113	AA	TT	1940507254
SNP_P1_241819_46115	NW_004516994.1	Scaffold1918	46115	GG	AA	1940507256
SNP_P1_241820_48990	NW_004516994.1	Scaffold1918	48990	GG	AA	1940507258
SNP_P1_241821_48999	NW_004516994.1	Scaffold1918	48999	GG	AA	1940507260
SNP_P1_241822_50714	NW_004516994.1	Scaffold1918	50714	GG	AA	1940507262
SNP_P1_241823_50832	NW_004516994.1	Scaffold1918	50832	TT	GG	1940507264
SNP_P1_241824_50845	NW_004516994.1	Scaffold1918	50845	TT	GG	1940507267
SNP_P1_241825_50847	NW_004516994.1	Scaffold1918	50847	AA	TT	1940507269

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_241826_50941	NW_004516994.1	Scaffold1918	50941	AA	GG	1940507271
SNP_P1_241828_51641	NW_004516994.1	Scaffold1918	51641	TT	CC	1940507273
SNP_P1_241829_56183	NW_004516994.1	Scaffold1918	56183	AA	GG	1940507275
SNP_P1_241830_59467	NW_004516994.1	Scaffold1918	59467	GG	AA	1940507277
SNP_P1_241831_60114	NW_004516994.1	Scaffold1918	60114	TT	AA	1940507279
SNP_P1_241832_61831	NW_004516994.1	Scaffold1918	61831	TT	CC	1940507281
SNP_P1_241833_62511	NW_004516994.1	Scaffold1918	62511	GG	AA	1940507284
SNP_P1_241834_62528	NW_004516994.1	Scaffold1918	62528	AA	GG	1940507286
SNP_P1_241835_62715	NW_004516994.1	Scaffold1918	62715	CC	GG	1940507288
SNP_P1_241836_63455	NW_004516994.1	Scaffold1918	63455	TT	CC	1940507290
SNP_P1_241838_70139	NW_004516994.1	Scaffold1918	70139	TT	CC	1940507292
SNP_P1_241839_73889	NW_004516994.1	Scaffold1918	73889	CC	AA	1940507294
SNP_P1_241841_75695	NW_004516994.1	Scaffold1918	75695	AA	CC	1940507296
SNP_P1_241842_75827	NW_004516994.1	Scaffold1918	75827	GG	AA	1940507298
SNP_P1_241844_78812	NW_004516994.1	Scaffold1918	78812	GG	AA	1940507301
SNP_P1_241845_78855	NW_004516994.1	Scaffold1918	78855	GG	AA	1940507303
SNP_P1_241846_79275	NW_004516994.1	Scaffold1918	79275	AA	GG	1940507305
SNP_P1_241847_82315	NW_004516994.1	Scaffold1918	82315	GG	AA	1940507307
SNP_P1_241848_86321	NW_004516994.1	Scaffold1918	86321	TT	CC	1940507309
SNP_P1_241849_91009	NW_004516994.1	Scaffold1918	91009	TT	AA	1940507311
SNP_P1_241850_93789	NW_004516994.1	Scaffold1918	93789	AA	GG	1940507313
SNP_P1_241851_93818	NW_004516994.1	Scaffold1918	93818	TT	GG	1940507315
SNP_P1_241852_94157	NW_004516994.1	Scaffold1918	94157	AA	GG	1940507317
SNP_P1_241853_94203	NW_004516994.1	Scaffold1918	94203	AA	GG	1940507320
SNP_P1_241854_99951	NW_004516994.1	Scaffold1918	99951	AA	GG	1940507322
SNP_P1_241855_100829	NW_004516994.1	Scaffold1918	100829	CC	GG	1940507324
SNP_P1_241856_100940	NW_004516994.1	Scaffold1918	100940	TT	CC	1940507326
SNP_P1_241857_101652	NW_004516994.1	Scaffold1918	101652	AA	GG	1940507328
SNP_P1_241858_102129	NW_004516994.1	Scaffold1918	102129	CC	AA	1940507330
SNP_P1_241859_102500	NW_004516994.1	Scaffold1918	102500	AA	GG	1940507332
SNP_P1_241860_102736	NW_004516994.1	Scaffold1918	102736	AA	GG	1940507334
SNP_P1_241861_103089	NW_004516994.1	Scaffold1918	103089	CC	GG	1940507337
SNP_P1_241862_104021	NW_004516994.1	Scaffold1918	104021	AA	GG	1940507339
SNP_P1_241863_104211	NW_004516994.1	Scaffold1918	104211	GG	TT	1940507341
SNP_P1_241864_107702	NW_004516994.1	Scaffold1918	107702	GG	AA	1940507343
SNP_P1_241865_107829	NW_004516994.1	Scaffold1918	107829	AA	GG	1940507345
SNP_P1_241866_109604	NW_004516994.1	Scaffold1918	109604	TT	AA	1940507347
SNP_P1_241867_109782	NW_004516994.1	Scaffold1918	109782	CC	TT	1940507349
SNP_P1_241868_109980	NW_004516994.1	Scaffold1918	109980	GG	AA	1940507351
SNP_P1_241869_113600	NW_004516994.1	Scaffold1918	113600	AA	TT	1940507353
SNP_P1_241870_113662	NW_004516994.1	Scaffold1918	113662	AA	CC	1940507356
SNP_P1_241872_115277	NW_004516994.1	Scaffold1918	115277	AA	CC	1940507358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_241873_116010	NW_004516994.1	Scaffold1918	116010	AA	GG	1940507360
SNP_P1_241874_123427	NW_004516994.1	Scaffold1918	123427	GG	AA	1940507362
SNP_P1_241875_126159	NW_004516994.1	Scaffold1918	126159	TT	CC	1940507364
SNP_P1_241876_151867	NW_004516994.1	Scaffold1918	151867	AA	CC	1940507366
SNP_P1_241877_152507	NW_004516994.1	Scaffold1918	152507	CC	TT	1940507368
SNP_P1_241878_152709	NW_004516994.1	Scaffold1918	152709	TT	CC	1940507370
SNP_P1_241879_152758	NW_004516994.1	Scaffold1918	152758	CC	TT	1940507372
SNP_P1_241880_153070	NW_004516994.1	Scaffold1918	153070	TT	CC	1940507375
SNP_P1_241881_155588	NW_004516994.1	Scaffold1918	155588	CC	TT	1940507377
SNP_P1_241882_156169	NW_004516994.1	Scaffold1918	156169	CC	AA	1940507379
SNP_P1_241883_156421	NW_004516994.1	Scaffold1918	156421	TT	AA	1940507381
SNP_P1_241884_157993	NW_004516994.1	Scaffold1918	157993	TT	CC	1940507383
SNP_P1_241885_158209	NW_004516994.1	Scaffold1918	158209	CC	GG	1940507385
SNP_P1_241886_160609	NW_004516994.1	Scaffold1918	160609	GG	TT	1940507387
SNP_P1_241887_160760	NW_004516994.1	Scaffold1918	160760	GG	CC	1940507389
SNP_P1_241888_161398	NW_004516994.1	Scaffold1918	161398	CC	TT	1940507391
SNP_P1_241889_161607	NW_004516994.1	Scaffold1918	161607	AA	GG	1940507394
SNP_P1_241890_161610	NW_004516994.1	Scaffold1918	161610	GG	AA	1940507396
SNP_P1_241891_161655	NW_004516994.1	Scaffold1918	161655	TT	AA	1940507398
SNP_P1_241892_161972	NW_004516994.1	Scaffold1918	161972	AA	GG	1940507400
SNP_P1_241893_162754	NW_004516994.1	Scaffold1918	162754	GG	AA	1940507402
SNP_P1_241894_167403	NW_004516994.1	Scaffold1918	167403	CC	TT	1940507404
SNP_P1_241895_170788	NW_004516994.1	Scaffold1918	170788	CC	TT	1940507406
SNP_P1_241896_171468	NW_004516994.1	Scaffold1918	171468	CC	GG	1940507408
SNP_P1_241897_172995	NW_004516994.1	Scaffold1918	172995	AA	GG	1940507410
SNP_P1_241898_173058	NW_004516994.1	Scaffold1918	173058	CC	GG	1940507413
SNP_P1_241899_173204	NW_004516994.1	Scaffold1918	173204	GG	AA	1940507415
SNP_P1_241900_173293	NW_004516994.1	Scaffold1918	173293	TT	GG	1940507417
SNP_P1_241901_173330	NW_004516994.1	Scaffold1918	173330	TT	CC	1940507419
SNP_P1_241902_180546	NW_004516994.1	Scaffold1918	180546	CC	TT	1940507421
SNP_P1_241903_181162	NW_004516994.1	Scaffold1918	181162	CC	TT	1940507423
SNP_P1_241904_182092	NW_004516994.1	Scaffold1918	182092	CC	GG	1940507425
SNP_P1_241905_182819	NW_004516994.1	Scaffold1918	182819	AA	GG	1940507427
SNP_P1_241906_185943	NW_004516994.1	Scaffold1918	185943	TT	AA	1940507429
SNP_P1_241907_185947	NW_004516994.1	Scaffold1918	185947	TT	AA	1940507432
SNP_P1_241908_186020	NW_004516994.1	Scaffold1918	186020	GG	CC	1940507434
SNP_P1_241911_186458	NW_004516994.1	Scaffold1918	186458	CC	TT	1940507436
SNP_P1_241913_191082	NW_004516994.1	Scaffold1918	191082	TT	CC	1940507438
SNP_P1_241914_191336	NW_004516994.1	Scaffold1918	191336	AA	GG	1940507440
SNP_P1_241915_192688	NW_004516994.1	Scaffold1918	192688	GG	AA	1940507442
SNP_P1_241916_194223	NW_004516994.1	Scaffold1918	194223	TT	CC	1940507444
SNP_P1_241917_196856	NW_004516994.1	Scaffold1918	196856	TT	CC	1940507446

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SNP_P1_241918_197128	NW_004516994.1	Scaffold1918	197128	AA	GG	1940507449
SNP_P1_241919_197478	NW_004516994.1	Scaffold1918	197478	CC	AA	1940507451
SNP_P1_241920_205546	NW_004516994.1	Scaffold1918	205546	GG	AA	1940507453
SNP_P1_241921_205722	NW_004516994.1	Scaffold1918	205722	CC	TT	1940507455
SNP_P1_241922_205729	NW_004516994.1	Scaffold1918	205729	GG	AA	1940507457
SNP_P1_241923_205730	NW_004516994.1	Scaffold1918	205730	TT	CC	1940507459
SNP_P1_241925_213693	NW_004516994.1	Scaffold1918	213693	TT	CC	1940507461
SNP_P1_241926_213722	NW_004516994.1	Scaffold1918	213722	TT	GG	1940507463
SNP_P1_241927_214117	NW_004516994.1	Scaffold1918	214117	TT	CC	1940507466
SNP_P1_241929_224631	NW_004516994.1	Scaffold1918	224631	AA	GG	1940507468
SNP_P1_241930_226049	NW_004516994.1	Scaffold1918	226049	AA	GG	1940507470
SNP_P1_241932_229558	NW_004516994.1	Scaffold1918	229558	AA	GG	1940507472
SNP_P1_241933_229936	NW_004516994.1	Scaffold1918	229936	CC	TT	1940507474
SNP_P1_241934_232201	NW_004516994.1	Scaffold1918	232201	TT	CC	1940507476
SNP_P1_241935_233459	NW_004516994.1	Scaffold1918	233459	AA	GG	1940507478
SNP_P1_241936_243564	NW_004516994.1	Scaffold1918	243564	AA	TT	1940507480
SNP_P1_241937_243593	NW_004516994.1	Scaffold1918	243593	TT	CC	1940507483
SNP_P1_241938_243617	NW_004516994.1	Scaffold1918	243617	CC	GG	1940507485
SNP_P1_241940_244704	NW_004516994.1	Scaffold1918	244704	CC	TT	1940507487
SNP_P1_241942_245109	NW_004516994.1	Scaffold1918	245109	GG	CC	1940507489
SNP_P1_241943_245722	NW_004516994.1	Scaffold1918	245722	TT	GG	1940507491
SNP_P1_241944_245739	NW_004516994.1	Scaffold1918	245739	AA	GG	1940507493
SNP_P1_241945_245917	NW_004516994.1	Scaffold1918	245917	CC	TT	1940507495
SNP_P1_241946_245953	NW_004516994.1	Scaffold1918	245953	TT	CC	1940507497
SNP_P1_241947_245968	NW_004516994.1	Scaffold1918	245968	TT	CC	1940507499
SNP_P1_241948_245989	NW_004516994.1	Scaffold1918	245989	AA	GG	1940507502
SNP_P1_241949_246666	NW_004516994.1	Scaffold1918	246666	TT	GG	1940507504
SNP_P1_241950_247085	NW_004516994.1	Scaffold1918	247085	CC	AA	1940507506
SNP_P1_241951_247101	NW_004516994.1	Scaffold1918	247101	AA	CC	1940507508
SNP_P1_241953_247861	NW_004516994.1	Scaffold1918	247861	TT	CC	1940507510
SNP_P1_241954_247985	NW_004516994.1	Scaffold1918	247985	TT	GG	1940507512
SNP_P1_241955_248021	NW_004516994.1	Scaffold1918	248021	CC	TT	1940507514
SNP_P1_241956_248670	NW_004516994.1	Scaffold1918	248670	TT	GG	1940507516
SNP_P1_241957_257180	NW_004516994.1	Scaffold1918	257180	AA	GG	1940507519
SNP_P1_241958_1925	NW_004516995.1	Scaffold1919	1925	GG	TT	1940507521
SNP_P1_241959_1944	NW_004516995.1	Scaffold1919	1944	CC	AA	1940507523
SNP_P1_241960_2059	NW_004516995.1	Scaffold1919	2059	GG	CC	1940507525
SNP_P1_241961_2072	NW_004516995.1	Scaffold1919	2072	TT	GG	1940507527
SNP_P1_241962_2209	NW_004516995.1	Scaffold1919	2209	CC	TT	1940507529
SNP_P1_241963_2451	NW_004516995.1	Scaffold1919	2451	TT	CC	1940507531
SNP_P1_241964_2463	NW_004516995.1	Scaffold1919	2463	AA	CC	1940507533
SNP_P1_241965_4918	NW_004516995.1	Scaffold1919	4918	AA	GG	1940507535

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_241967_4900	NW_004516996.1	Scaffold1920	4900	AA	CC	1940507540
SNP_P1_241968_4943	NW_004516996.1	Scaffold1920	4943	TT	CC	1940507542
SNP_P1_241969_5329	NW_004516996.1	Scaffold1920	5329	CC	TT	1940507544
SNP_P1_241970_5975	NW_004516996.1	Scaffold1920	5975	GG	AA	1940507546
SNP_P1_241971_5991	NW_004516996.1	Scaffold1920	5991	AA	TT	1940507548
SNP_P1_241972_8492	NW_004516996.1	Scaffold1920	8492	AA	CC	1940507550
SNP_P1_241973_8573	NW_004516996.1	Scaffold1920	8573	CC	AA	1940507552
SNP_P1_241974_8574	NW_004516996.1	Scaffold1920	8574	CC	AA	1940507554
SNP_P1_241975_8730	NW_004516996.1	Scaffold1920	8730	CC	AA	1940507557
SNP_P1_241976_8733	NW_004516996.1	Scaffold1920	8733	GG	CC	1940507559
SNP_P1_241977_8741	NW_004516996.1	Scaffold1920	8741	GG	AA	1940507561
SNP_P1_241978_8749	NW_004516996.1	Scaffold1920	8749	CC	AA	1940507563
SNP_P1_241979_8751	NW_004516996.1	Scaffold1920	8751	AA	TT	1940507565
SNP_P1_241980_8859	NW_004516996.1	Scaffold1920	8859	AA	TT	1940507567
SNP_P1_241981_8872	NW_004516996.1	Scaffold1920	8872	TT	AA	1940507569
SNP_P1_241982_8885	NW_004516996.1	Scaffold1920	8885	GG	AA	1940507571
SNP_P1_241983_10205	NW_004516996.1	Scaffold1920	10205	AA	GG	1940507573
SNP_P1_241984_10232	NW_004516996.1	Scaffold1920	10232	TT	AA	1940507576
SNP_P1_241985_10261	NW_004516996.1	Scaffold1920	10261	AA	GG	1940507578
SNP_P1_241986_10407	NW_004516996.1	Scaffold1920	10407	CC	TT	1940507580
SNP_P1_241987_10477	NW_004516996.1	Scaffold1920	10477	CC	TT	1940507582
SNP_P1_241988_10478	NW_004516996.1	Scaffold1920	10478	TT	CC	1940507584
SNP_P1_241989_14638	NW_004516996.1	Scaffold1920	14638	GG	AA	1940507586
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SNP_P1_241991_14907	NW_004516996.1	Scaffold1920	14907	GG	TT	1940507590
SNP_P1_241992_14948	NW_004516996.1	Scaffold1920	14948	CC	GG	1940507593
SNP_P1_241993_14951	NW_004516996.1	Scaffold1920	14951	AA	GG	1940507595
SNP_P1_241994_20842	NW_004516996.1	Scaffold1920	20842	GG	CC	1940507597
SNP_P1_241995_21290	NW_004516996.1	Scaffold1920	21290	AA	CC	1940507599
SNP_P1_241996_21302	NW_004516996.1	Scaffold1920	21302	AA	GG	1940507601
SNP_P1_241997_25458	NW_004516996.1	Scaffold1920	25458	CC	TT	1940507603
SNP_P1_241998_212	NW_004516997.1	Scaffold1922	212	AA	CC	1940507605
SNP_P1_242001_1437	NW_004516998.1	Scaffold1923	1437	CC	TT	1940507607
SNP_P1_242002_1815	NW_004516998.1	Scaffold1923	1815	CC	TT	1940507609
SNP_P1_242003_2334	NW_004516998.1	Scaffold1923	2334	GG	AA	1940507612
SNP_P1_242004_2780	NW_004516998.1	Scaffold1923	2780	CC	AA	1940507614
SNP_P1_242006_3297	NW_004516998.1	Scaffold1923	3297	CC	TT	1940507616
SNP_P1_242007_3298	NW_004516998.1	Scaffold1923	3298	AA	TT	1940507618
SNP_P1_242008_3688	NW_004516998.1	Scaffold1923	3688	TT	AA	1940507620
SNP_P1_242009_10394	NW_004516998.1	Scaffold1923	10394	AA	TT	1940507622
SNP_P1_242010_10433	NW_004516998.1	Scaffold1923	10433	CC	TT	1940507624

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_242011_10669	NW_004516998.1	Scaffold1923	10669	GG	AA	1940507626
SNP_P1_242013_10835	NW_004516998.1	Scaffold1923	10835	TT	AA	1940507629
SNP_P1_242014_3661	NW_004517001.1	Scaffold1928	3661	CC	GG	1940507631
SNP_P1_242015_3666	NW_004517001.1	Scaffold1928	3666	TT	AA	1940507633
SNP_P1_242017_3916	NW_004517001.1	Scaffold1928	3916	CC	TT	1940507635
SNP_P1_242018_3932	NW_004517001.1	Scaffold1928	3932	CC	TT	1940507637
SNP_P1_242019_3995	NW_004517001.1	Scaffold1928	3995	AA	CC	1940507639
SNP_P1_242020_7527	NW_004517001.1	Scaffold1928	7527	CC	AA	1940507641
SNP_P1_242021_7534	NW_004517001.1	Scaffold1928	7534	CC	AA	1940507643
SNP_P1_242022_7536	NW_004517001.1	Scaffold1928	7536	AA	TT	1940507645
SNP_P1_242023_7540	NW_004517001.1	Scaffold1928	7540	CC	AA	1940507648
SNP_P1_242024_7552	NW_004517001.1	Scaffold1928	7552	AA	TT	1940507650
SNP_P1_242027_16074	NW_004517001.1	Scaffold1928	16074	TT	CC	1940507652
SNP_P1_242028_19698	NW_004517001.1	Scaffold1928	19698	TT	AA	1940507654
SNP_P1_242029_19710	NW_004517001.1	Scaffold1928	19710	GG	CC	1940507656
SNP_P1_242030_19783	NW_004517001.1	Scaffold1928	19783	TT	CC	1940507658
SNP_P1_242031_50514	NW_004517001.1	Scaffold1928	50514	AA	GG	1940507660
SNP_P1_242032_62150	NW_004517001.1	Scaffold1928	62150	GG	CC	1940507662
SNP_P1_242033_77980	NW_004517001.1	Scaffold1928	77980	GG	TT	1940507664
SNP_P1_242035_78237	NW_004517001.1	Scaffold1928	78237	CC	TT	1940507667
SNP_P1_242036_78296	NW_004517001.1	Scaffold1928	78296	GG	AA	1940507669
SNP_P1_242037_78394	NW_004517001.1	Scaffold1928	78394	TT	CC	1940507671
SNP_P1_242038_78429	NW_004517001.1	Scaffold1928	78429	TT	AA	1940507673
SNP_P1_242039_78673	NW_004517001.1	Scaffold1928	78673	TT	CC	1940507675
SNP_P1_242040_79403	NW_004517001.1	Scaffold1928	79403	CC	AA	1940507677
SNP_P1_242041_79425	NW_004517001.1	Scaffold1928	79425	CC	TT	1940507679
SNP_P1_242042_80739	NW_004517001.1	Scaffold1928	80739	AA	GG	1940507681
SNP_P1_242043_80783	NW_004517001.1	Scaffold1928	80783	TT	GG	1940507684
SNP_P1_242044_80786	NW_004517001.1	Scaffold1928	80786	CC	AA	1940507686
SNP_P1_242046_116946	NW_004517001.1	Scaffold1928	116946	CC	TT	1940507688
SNP_P1_242047_118239	NW_004517001.1	Scaffold1928	118239	TT	CC	1940507690
SNP_P1_242048_118256	NW_004517001.1	Scaffold1928	118256	AA	TT	1940507692
SNP_P1_242049_118438	NW_004517001.1	Scaffold1928	118438	AA	GG	1940507694
SNP_P1_242050_118444	NW_004517001.1	Scaffold1928	118444	TT	CC	1940507696
SNP_P1_242051_1693	NW_004517003.1	Scaffold1930	1693	CC	TT	1940507698
SNP_P1_242052_1705	NW_004517003.1	Scaffold1930	1705	GG	AA	1940507700
SNP_P1_242053_1713	NW_004517003.1	Scaffold1930	1713	CC	TT	1940507703
SNP_P1_242054_22475	NW_004517003.1	Scaffold1930	22475	AA	TT	1940507705
SNP_P1_242055_23982	NW_004517003.1	Scaffold1930	23982	AA	GG	1940507707
SNP_P1_242057_30273	NW_004517003.1	Scaffold1930	30273	AA	CC	1940507709
SNP_P1_242058_30293	NW_004517003.1	Scaffold1930	30293	AA	GG	1940507711
SNP_P1_242059_32450	NW_004517003.1	Scaffold1930	32450	AA	TT	1940507713

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_242060_32547	NW_004517003.1	Scaffold1930	32547	GG	CC	1940507715
SNP_P1_242061_32685	NW_004517003.1	Scaffold1930	32685	AA	GG	1940507717
SNP_P1_242062_32696	NW_004517003.1	Scaffold1930	32696	GG	TT	1940507719
SNP_P1_242063_32778	NW_004517003.1	Scaffold1930	32778	TT	CC	1940507721
SNP_P1_242065_34850	NW_004517003.1	Scaffold1930	34850	GG	AA	1940507724
SNP_P1_242066_34878	NW_004517003.1	Scaffold1930	34878	CC	TT	1940507726
SNP_P1_242067_34975	NW_004517003.1	Scaffold1930	34975	CC	TT	1940507728
SNP_P1_242068_37147	NW_004517003.1	Scaffold1930	37147	CC	TT	1940507730
SNP_P1_242069_37276	NW_004517003.1	Scaffold1930	37276	TT	CC	1940507732
SNP_P1_242070_37319	NW_004517003.1	Scaffold1930	37319	CC	AA	1940507734
SNP_P1_242071_37332	NW_004517003.1	Scaffold1930	37332	GG	TT	1940507736
SNP_P1_242072_37421	NW_004517003.1	Scaffold1930	37421	TT	CC	1940507738
SNP_P1_242073_37508	NW_004517003.1	Scaffold1930	37508	TT	AA	1940507740
SNP_P1_242074_37509	NW_004517003.1	Scaffold1930	37509	AA	GG	1940507742
SNP_P1_242075_37596	NW_004517003.1	Scaffold1930	37596	TT	CC	1940507744
SNP_P1_242076_37623	NW_004517003.1	Scaffold1930	37623	TT	AA	1940507746
SNP_P1_242077_37738	NW_004517003.1	Scaffold1930	37738	AA	TT	1940507749
SNP_P1_242078_37762	NW_004517003.1	Scaffold1930	37762	TT	CC	1940507751
SNP_P1_242079_37811	NW_004517003.1	Scaffold1930	37811	TT	GG	1940507753
SNP_P1_242080_37822	NW_004517003.1	Scaffold1930	37822	TT	CC	1940507755
SNP_P1_242081_37824	NW_004517003.1	Scaffold1930	37824	AA	GG	1940507757
SNP_P1_242082_37861	NW_004517003.1	Scaffold1930	37861	AA	CC	1940507759
SNP_P1_242083_37862	NW_004517003.1	Scaffold1930	37862	TT	GG	1940507761
SNP_P1_242084_37898	NW_004517003.1	Scaffold1930	37898	GG	AA	1940507763
SNP_P1_242085_38061	NW_004517003.1	Scaffold1930	38061	GG	CC	1940507766
SNP_P1_242086_38445	NW_004517003.1	Scaffold1930	38445	GG	AA	1940507768
SNP_P1_242087_38447	NW_004517003.1	Scaffold1930	38447	AA	GG	1940507770
SNP_P1_242088_38448	NW_004517003.1	Scaffold1930	38448	TT	AA	1940507772
SNP_P1_242089_38450	NW_004517003.1	Scaffold1930	38450	CC	TT	1940507774
SNP_P1_242090_38481	NW_004517003.1	Scaffold1930	38481	GG	TT	1940507776
SNP_P1_242091_38552	NW_004517003.1	Scaffold1930	38552	GG	CC	1940507778
SNP_P1_242092_38804	NW_004517003.1	Scaffold1930	38804	CC	TT	1940507780
SNP_P1_242093_39297	NW_004517003.1	Scaffold1930	39297	GG	AA	1940507783
SNP_P1_242094_39341	NW_004517003.1	Scaffold1930	39341	AA	TT	1940507785
SNP_P1_242095_40074	NW_004517003.1	Scaffold1930	40074	GG	AA	1940507787
SNP_P1_242096_40096	NW_004517003.1	Scaffold1930	40096	GG	CC	1940507789
SNP_P1_242097_40139	NW_004517003.1	Scaffold1930	40139	CC	TT	1940507791
SNP_P1_242098_40169	NW_004517003.1	Scaffold1930	40169	CC	TT	1940507793
SNP_P1_242099_40244	NW_004517003.1	Scaffold1930	40244	AA	GG	1940507795
SNP_P1_242100_40246	NW_004517003.1	Scaffold1930	40246	CC	TT	1940507797
SNP_P1_242101_40272	NW_004517003.1	Scaffold1930	40272	GG	AA	1940507799
SNP_P1_242103_40381	NW_004517003.1	Scaffold1930	40381	TT	GG	1940507802

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SNP_P1_242104_40407	NW_004517003.1	Scaffold1930	40407	GG	TT	1940507804
SNP_P1_242105_40485	NW_004517003.1	Scaffold1930	40485	CC	GG	1940507806
SNP_P1_242106_40583	NW_004517003.1	Scaffold1930	40583	CC	TT	1940507808
SNP_P1_242107_41515	NW_004517003.1	Scaffold1930	41515	TT	AA	1940507810
SNP_P1_242108_41531	NW_004517003.1	Scaffold1930	41531	TT	CC	1940507812
SNP_P1_242109_41718	NW_004517003.1	Scaffold1930	41718	GG	TT	1940507814
SNP_P1_242110_41833	NW_004517003.1	Scaffold1930	41833	GG	CC	1940507816
SNP_P1_242111_41846	NW_004517003.1	Scaffold1930	41846	TT	CC	1940507819
SNP_P1_242112_41973	NW_004517003.1	Scaffold1930	41973	GG	AA	1940507821
SNP_P1_242113_41998	NW_004517003.1	Scaffold1930	41998	GG	TT	1940507823
SNP_P1_242114_43862	NW_004517003.1	Scaffold1930	43862	AA	GG	1940507825
SNP_P1_242115_45012	NW_004517003.1	Scaffold1930	45012	AA	GG	1940507827
SNP_P1_242116_45045	NW_004517003.1	Scaffold1930	45045	AA	GG	1940507829
SNP_P1_242117_45060	NW_004517003.1	Scaffold1930	45060	AA	TT	1940507831
SNP_P1_242118_45178	NW_004517003.1	Scaffold1930	45178	TT	GG	1940507833
SNP_P1_242119_45365	NW_004517003.1	Scaffold1930	45365	AA	CC	1940507836
SNP_P1_242120_59920	NW_004517003.1	Scaffold1930	59920	AA	TT	1940507838
SNP_P1_242122_24598	NW_004517005.1	Scaffold1932	24598	GG	AA	1940507840
SNP_P1_242123_24611	NW_004517005.1	Scaffold1932	24611	CC	TT	1940507842
SNP_P1_242124_39660	NW_004517005.1	Scaffold1932	39660	TT	AA	1940507844
SNP_P1_242125_59818	NW_004517005.1	Scaffold1932	59818	TT	GG	1940507846
SNP_P1_242126_59878	NW_004517005.1	Scaffold1932	59878	CC	AA	1940507848
SNP_P1_242127_77656	NW_004517005.1	Scaffold1932	77656	TT	AA	1940507850
SNP_P1_242128_77659	NW_004517005.1	Scaffold1932	77659	TT	GG	1940507852
SNP_P1_242129_77711	NW_004517005.1	Scaffold1932	77711	GG	AA	1940507855
SNP_P1_242130_82728	NW_004517005.1	Scaffold1932	82728	GG	AA	1940507857
SNP_P1_242131_82769	NW_004517005.1	Scaffold1932	82769	AA	GG	1940507859
SNP_P1_242132_83153	NW_004517005.1	Scaffold1932	83153	AA	GG	1940507861
SNP_P1_242133_83183	NW_004517005.1	Scaffold1932	83183	AA	GG	1940507863
SNP_P1_242134_83209	NW_004517005.1	Scaffold1932	83209	CC	AA	1940507865
SNP_P1_242135_83220	NW_004517005.1	Scaffold1932	83220	CC	AA	1940507867
SNP_P1_242136_83241	NW_004517005.1	Scaffold1932	83241	TT	CC	1940507869
SNP_P1_242137_224	NW_004517007.1	Scaffold1934	224	AA	TT	1940507871
SNP_P1_242138_6482	NW_004517009.1	Scaffold1936	6482	TT	GG	1940507874
SNP_P1_242139_6503	NW_004517009.1	Scaffold1936	6503	GG	AA	1940507876
SNP_P1_242140_6505	NW_004517009.1	Scaffold1936	6505	GG	CC	1940507878
SNP_P1_242141_817	NW_004517010.1	Scaffold1937	817	CC	AA	1940507880
SNP_P1_242142_1067	NW_004517010.1	Scaffold1937	1067	GG	AA	1940507882
SNP_P1_242143_1068	NW_004517010.1	Scaffold1937	1068	TT	CC	1940507884
SNP_P1_242144_1070	NW_004517010.1	Scaffold1937	1070	TT	AA	1940507886
SNP_P1_242145_1072	NW_004517010.1	Scaffold1937	1072	AA	CC	1940507888
SNP_P1_242146_4060	NW_004517010.1	Scaffold1937	4060	TT	GG	1940507890

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SNP_P1_242148_2092	NW_004517013.1	Scaffold1940	2092	AA	GG	1940507895
SNP_P1_242150_5062	NW_004517015.1	Scaffold1942	5062	CC	AA	1940507897
SNP_P1_242151_5108	NW_004517015.1	Scaffold1942	5108	CC	TT	1940507899
SNP_P1_242152_5143	NW_004517015.1	Scaffold1942	5143	GG	AA	1940507901
SNP_P1_242153_5334	NW_004517015.1	Scaffold1942	5334	GG	AA	1940507903
SNP_P1_242154_72	NW_004517016.1	Scaffold1943	72	TT	CC	1940507905
SNP_P1_242155_121	NW_004517016.1	Scaffold1943	121	CC	TT	1940507907
SNP_P1_242156_126	NW_004517016.1	Scaffold1943	126	CC	TT	1940507910
SNP_P1_242157_218	NW_004517016.1	Scaffold1943	218	GG	CC	1940507912
SNP_P1_242158_278	NW_004517016.1	Scaffold1943	278	AA	GG	1940507914
SNP_P1_242159_560	NW_004517016.1	Scaffold1943	560	TT	GG	1940507916
SNP_P1_242160_2329	NW_004517016.1	Scaffold1943	2329	GG	AA	1940507918
SNP_P1_242161_2350	NW_004517016.1	Scaffold1943	2350	AA	CC	1940507920
SNP_P1_242162_2417	NW_004517016.1	Scaffold1943	2417	TT	GG	1940507922
SNP_P1_242163_2421	NW_004517016.1	Scaffold1943	2421	TT	CC	1940507924
SNP_P1_242164_2450	NW_004517016.1	Scaffold1943	2450	TT	CC	1940507926
SNP_P1_242165_2451	NW_004517016.1	Scaffold1943	2451	CC	TT	1940507929
SNP_P1_242166_2457	NW_004517016.1	Scaffold1943	2457	TT	AA	1940507931
SNP_P1_242167_2497	NW_004517016.1	Scaffold1943	2497	CC	TT	1940507933
SNP_P1_242168_2541	NW_004517016.1	Scaffold1943	2541	GG	CC	1940507935
SNP_P1_242169_2555	NW_004517016.1	Scaffold1943	2555	TT	GG	1940507937
SNP_P1_242170_2556	NW_004517016.1	Scaffold1943	2556	TT	CC	1940507939
SNP_P1_242171_2564	NW_004517016.1	Scaffold1943	2564	AA	TT	1940507941
SNP_P1_242172_2942	NW_004517016.1	Scaffold1943	2942	CC	TT	1940507943
SNP_P1_242174_3008	NW_004517016.1	Scaffold1943	3008	CC	AA	1940507945
SNP_P1_242175_8378	NW_004517016.1	Scaffold1943	8378	GG	AA	1940507948
SNP_P1_242176_8394	NW_004517016.1	Scaffold1943	8394	CC	AA	1940507950
SNP_P1_242179_12930	NW_004517016.1	Scaffold1943	12930	AA	CC	1940507952
SNP_P1_242180_13194	NW_004517016.1	Scaffold1943	13194	AA	GG	1940507954
SNP_P1_242181_18023	NW_004517016.1	Scaffold1943	18023	CC	TT	1940507956
SNP_P1_242182_18599	NW_004517016.1	Scaffold1943	18599	AA	GG	1940507958
SNP_P1_242184_51097	NW_004517016.1	Scaffold1943	51097	AA	TT	1940507960
SNP_P1_242185_59775	NW_004517016.1	Scaffold1943	59775	GG	AA	1940507962
SNP_P1_242187_63698	NW_004517016.1	Scaffold1943	63698	GG	AA	1940507965
SNP_P1_242189_75916	NW_004517016.1	Scaffold1943	75916	TT	AA	1940507967
SNP_P1_242190_76225	NW_004517016.1	Scaffold1943	76225	TT	AA	1940507969
SNP_P1_242191_83560	NW_004517016.1	Scaffold1943	83560	GG	AA	1940507971
SNP_P1_242192_85266	NW_004517016.1	Scaffold1943	85266	AA	GG	1940507973
SNP_P1_242193_86148	NW_004517016.1	Scaffold1943	86148	CC	AA	1940507975
SNP_P1_242194_102276	NW_004517016.1	Scaffold1943	102276	AA	CC	1940507977
SNP_P1_242196_109960	NW_004517016.1	Scaffold1943	109960	CC	GG	1940507979

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SNP_P1_242197_118912	NW_004517016.1	Scaffold1943	118912	AA	GG	1940507981
SNP_P1_242199_120764	NW_004517016.1	Scaffold1943	120764	GG	CC	1940507984
SNP_P1_242200_120825	NW_004517016.1	Scaffold1943	120825	AA	TT	1940507986
SNP_P1_242201_121178	NW_004517016.1	Scaffold1943	121178	GG	AA	1940507988
SNP_P1_242202_121193	NW_004517016.1	Scaffold1943	121193	CC	TT	1940507990
SNP_P1_242203_121195	NW_004517016.1	Scaffold1943	121195	GG	TT	1940507992
SNP_P1_242204_121198	NW_004517016.1	Scaffold1943	121198	TT	GG	1940507994
SNP_P1_242205_121228	NW_004517016.1	Scaffold1943	121228	CC	AA	1940507996
SNP_P1_242206_121231	NW_004517016.1	Scaffold1943	121231	TT	CC	1940507998
SNP_P1_242208_121458	NW_004517016.1	Scaffold1943	121458	AA	GG	1940508001
SNP_P1_242209_121482	NW_004517016.1	Scaffold1943	121482	TT	CC	1940508003
SNP_P1_242210_121522	NW_004517016.1	Scaffold1943	121522	CC	TT	1940508005
SNP_P1_242211_121531	NW_004517016.1	Scaffold1943	121531	TT	CC	1940508007
SNP_P1_242212_121587	NW_004517016.1	Scaffold1943	121587	AA	GG	1940508009
SNP_P1_242213_121633	NW_004517016.1	Scaffold1943	121633	TT	CC	1940508011
SNP_P1_242214_121642	NW_004517016.1	Scaffold1943	121642	GG	AA	1940508013
SNP_P1_242215_121653	NW_004517016.1	Scaffold1943	121653	AA	GG	1940508015
SNP_P1_242216_123259	NW_004517016.1	Scaffold1943	123259	TT	GG	1940508018
SNP_P1_242217_123343	NW_004517016.1	Scaffold1943	123343	GG	AA	1940508020
SNP_P1_242218_123364	NW_004517016.1	Scaffold1943	123364	CC	AA	1940508022
SNP_P1_242219_123427	NW_004517016.1	Scaffold1943	123427	GG	AA	1940508024
SNP_P1_242220_123439	NW_004517016.1	Scaffold1943	123439	CC	TT	1940508026
SNP_P1_242221_123472	NW_004517016.1	Scaffold1943	123472	GG	AA	1940508028
SNP_P1_242222_123495	NW_004517016.1	Scaffold1943	123495	AA	GG	1940508030
SNP_P1_242223_123496	NW_004517016.1	Scaffold1943	123496	GG	AA	1940508032
SNP_P1_242224_123524	NW_004517016.1	Scaffold1943	123524	TT	CC	1940508035
SNP_P1_242225_123535	NW_004517016.1	Scaffold1943	123535	AA	GG	1940508037
SNP_P1_242226_123583	NW_004517016.1	Scaffold1943	123583	TT	GG	1940508039
SNP_P1_242227_127048	NW_004517016.1	Scaffold1943	127048	GG	AA	1940508041
SNP_P1_242228_127056	NW_004517016.1	Scaffold1943	127056	CC	TT	1940508043
SNP_P1_242229_127385	NW_004517016.1	Scaffold1943	127385	CC	TT	1940508045
SNP_P1_242230_127541	NW_004517016.1	Scaffold1943	127541	CC	TT	1940508047
SNP_P1_242232_128136	NW_004517016.1	Scaffold1943	128136	TT	CC	1940508049
SNP_P1_242233_132028	NW_004517016.1	Scaffold1943	132028	GG	TT	1940508052
SNP_P1_242234_132062	NW_004517016.1	Scaffold1943	132062	AA	GG	1940508054
SNP_P1_242235_134374	NW_004517016.1	Scaffold1943	134374	CC	TT	1940508056
SNP_P1_242236_136928	NW_004517016.1	Scaffold1943	136928	TT	CC	1940508058
SNP_P1_242237_141544	NW_004517016.1	Scaffold1943	141544	GG	AA	1940508060
SNP_P1_242238_141546	NW_004517016.1	Scaffold1943	141546	GG	AA	1940508063
SNP_P1_242239_147600	NW_004517016.1	Scaffold1943	147600	CC	AA	1940508065
SNP_P1_242240_150509	NW_004517016.1	Scaffold1943	150509	AA	TT	1940508067
SNP_P1_242241_151027	NW_004517016.1	Scaffold1943	151027	AA	TT	1940508069

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_242242_151402	NW_004517016.1	Scaffold1943	151402	AA	TT	1940508071
SNP_P1_242243_159067	NW_004517016.1	Scaffold1943	159067	CC	GG	1940508073
SNP_P1_242244_163701	NW_004517016.1	Scaffold1943	163701	AA	GG	1940508075
SNP_P1_242245_163876	NW_004517016.1	Scaffold1943	163876	TT	AA	1940508077
SNP_P1_242246_169972	NW_004517016.1	Scaffold1943	169972	CC	AA	1940508080
SNP_P1_242247_171758	NW_004517016.1	Scaffold1943	171758	GG	TT	1940508082
SNP_P1_242249_171930	NW_004517016.1	Scaffold1943	171930	GG	AA	1940508084
SNP_P1_242250_171934	NW_004517016.1	Scaffold1943	171934	AA	GG	1940508086
SNP_P1_242251_171946	NW_004517016.1	Scaffold1943	171946	AA	GG	1940508088
SNP_P1_242252_179455	NW_004517016.1	Scaffold1943	179455	CC	TT	1940508090
SNP_P1_242253_179650	NW_004517016.1	Scaffold1943	179650	TT	AA	1940508092
SNP_P1_242254_183510	NW_004517016.1	Scaffold1943	183510	AA	GG	1940508094
SNP_P1_242255_193293	NW_004517016.1	Scaffold1943	193293	CC	TT	1940508097
SNP_P1_242256_193959	NW_004517016.1	Scaffold1943	193959	AA	GG	1940508099
SNP_P1_242257_197639	NW_004517016.1	Scaffold1943	197639	AA	CC	1940508101
SNP_P1_242258_206824	NW_004517016.1	Scaffold1943	206824	TT	CC	1940508103
SNP_P1_242259_211361	NW_004517016.1	Scaffold1943	211361	TT	CC	1940508105
SNP_P1_242260_220910	NW_004517016.1	Scaffold1943	220910	CC	TT	1940508107
SNP_P1_242262_224079	NW_004517016.1	Scaffold1943	224079	TT	GG	1940508109
SNP_P1_242263_233071	NW_004517016.1	Scaffold1943	233071	AA	GG	1940508111
SNP_P1_242264_233282	NW_004517016.1	Scaffold1943	233282	AA	GG	1940508114
SNP_P1_242265_234717	NW_004517016.1	Scaffold1943	234717	TT	CC	1940508116
SNP_P1_242266_234721	NW_004517016.1	Scaffold1943	234721	TT	CC	1940508118
SNP_P1_242267_234895	NW_004517016.1	Scaffold1943	234895	GG	AA	1940508120
SNP_P1_242268_236530	NW_004517016.1	Scaffold1943	236530	AA	CC	1940508122
SNP_P1_242269_242525	NW_004517016.1	Scaffold1943	242525	CC	TT	1940508124
SNP_P1_242271_250211	NW_004517016.1	Scaffold1943	250211	AA	GG	1940508126
SNP_P1_242273_266981	NW_004517016.1	Scaffold1943	266981	TT	CC	1940508128
SNP_P1_242275_281550	NW_004517016.1	Scaffold1943	281550	AA	GG	1940508131
SNP_P1_242276_281594	NW_004517016.1	Scaffold1943	281594	AA	GG	1940508133
SNP_P1_242277_281599	NW_004517016.1	Scaffold1943	281599	AA	GG	1940508135
SNP_P1_242278_281629	NW_004517016.1	Scaffold1943	281629	GG	TT	1940508137
SNP_P1_242279_281684	NW_004517016.1	Scaffold1943	281684	GG	AA	1940508139
SNP_P1_242280_281925	NW_004517016.1	Scaffold1943	281925	GG	AA	1940508141
SNP_P1_242281_281955	NW_004517016.1	Scaffold1943	281955	TT	AA	1940508143
SNP_P1_242282_299675	NW_004517016.1	Scaffold1943	299675	TT	GG	1940508145
SNP_P1_242283_299963	NW_004517016.1	Scaffold1943	299963	AA	TT	1940508148
SNP_P1_242284_300108	NW_004517016.1	Scaffold1943	300108	GG	AA	1940508150
SNP_P1_242285_300486	NW_004517016.1	Scaffold1943	300486	AA	GG	1940508152
SNP_P1_242286_308496	NW_004517016.1	Scaffold1943	308496	CC	TT	1940508154
SNP_P1_242287_321875	NW_004517016.1	Scaffold1943	321875	GG	CC	1940508156
SNP_P1_242288_330700	NW_004517016.1	Scaffold1943	330700	CC	AA	1940508158

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_242290_338106	NW_004517016.1	Scaffold1943	338106	TT	AA	1940508162
SNP_P1_242291_346988	NW_004517016.1	Scaffold1943	346988	GG	CC	1940508165
SNP_P1_242292_349897	NW_004517016.1	Scaffold1943	349897	GG	CC	1940508167
SNP_P1_242293_353158	NW_004517016.1	Scaffold1943	353158	TT	CC	1940508169
SNP_P1_242294_353856	NW_004517016.1	Scaffold1943	353856	AA	GG	1940508171
SNP_P1_242295_357863	NW_004517016.1	Scaffold1943	357863	AA	GG	1940508173
SNP_P1_242296_358942	NW_004517016.1	Scaffold1943	358942	AA	CC	1940508175
SNP_P1_242297_360565	NW_004517016.1	Scaffold1943	360565	TT	AA	1940508177
SNP_P1_242298_361905	NW_004517016.1	Scaffold1943	361905	AA	GG	1940508179
SNP_P1_242299_361939	NW_004517016.1	Scaffold1943	361939	AA	CC	1940508182
SNP_P1_242300_364886	NW_004517016.1	Scaffold1943	364886	GG	TT	1940508184
SNP_P1_242301_366435	NW_004517016.1	Scaffold1943	366435	TT	CC	1940508186
SNP_P1_242302_368065	NW_004517016.1	Scaffold1943	368065	TT	CC	1940508188
SNP_P1_242303_372342	NW_004517016.1	Scaffold1943	372342	CC	TT	1940508190
SNP_P1_242304_373700	NW_004517016.1	Scaffold1943	373700	GG	AA	1940508192
SNP_P1_242306_377184	NW_004517016.1	Scaffold1943	377184	TT	CC	1940508194
SNP_P1_242307_377343	NW_004517016.1	Scaffold1943	377343	CC	TT	1940508196
SNP_P1_242308_381088	NW_004517016.1	Scaffold1943	381088	CC	TT	1940508199
SNP_P1_242310_385843	NW_004517016.1	Scaffold1943	385843	TT	CC	1940508201
SNP_P1_242311_390344	NW_004517016.1	Scaffold1943	390344	GG	AA	1940508203
SNP_P1_242312_390429	NW_004517016.1	Scaffold1943	390429	TT	GG	1940508205
SNP_P1_242313_390657	NW_004517016.1	Scaffold1943	390657	GG	AA	1940508207
SNP_P1_242314_391118	NW_004517016.1	Scaffold1943	391118	CC	TT	1940508209
SNP_P1_242315_391662	NW_004517016.1	Scaffold1943	391662	GG	AA	1940508211
SNP_P1_242316_392407	NW_004517016.1	Scaffold1943	392407	GG	AA	1940508213
SNP_P1_242317_392555	NW_004517016.1	Scaffold1943	392555	AA	GG	1940508216
SNP_P1_242319_392578	NW_004517016.1	Scaffold1943	392578	TT	CC	1940508218
SNP_P1_242320_392606	NW_004517016.1	Scaffold1943	392606	AA	GG	1940508220
SNP_P1_242321_392609	NW_004517016.1	Scaffold1943	392609	TT	AA	1940508222
SNP_P1_242322_392932	NW_004517016.1	Scaffold1943	392932	TT	GG	1940508224
SNP_P1_242323_393161	NW_004517016.1	Scaffold1943	393161	TT	GG	1940508226
SNP_P1_242324_393163	NW_004517016.1	Scaffold1943	393163	TT	AA	1940508228
SNP_P1_242325_393343	NW_004517016.1	Scaffold1943	393343	GG	AA	1940508230
SNP_P1_242326_393359	NW_004517016.1	Scaffold1943	393359	CC	TT	1940508233
SNP_P1_242328_394099	NW_004517016.1	Scaffold1943	394099	AA	CC	1940508235
SNP_P1_242329_394196	NW_004517016.1	Scaffold1943	394196	TT	CC	1940508237
SNP_P1_242330_394240	NW_004517016.1	Scaffold1943	394240	CC	TT	1940508239
SNP_P1_242331_394299	NW_004517016.1	Scaffold1943	394299	CC	TT	1940508241
SNP_P1_242332_394392	NW_004517016.1	Scaffold1943	394392	CC	TT	1940508243
SNP_P1_242333_394450	NW_004517016.1	Scaffold1943	394450	TT	AA	1940508245
SNP_P1_242334_394748	NW_004517016.1	Scaffold1943	394748	CC	AA	1940508248

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SNP_P1_242336_395066	NW_004517016.1	Scaffold1943	395066	AA	GG	1940508252
SNP_P1_242337_395254	NW_004517016.1	Scaffold1943	395254	TT	CC	1940508254
SNP_P1_242338_395385	NW_004517016.1	Scaffold1943	395385	AA	TT	1940508256
SNP_P1_242339_395401	NW_004517016.1	Scaffold1943	395401	AA	GG	1940508258
SNP_P1_242340_395493	NW_004517016.1	Scaffold1943	395493	TT	CC	1940508260
SNP_P1_242341_395531	NW_004517016.1	Scaffold1943	395531	AA	TT	1940508262
SNP_P1_242342_395540	NW_004517016.1	Scaffold1943	395540	GG	AA	1940508265
SNP_P1_242343_395627	NW_004517016.1	Scaffold1943	395627	GG	AA	1940508267
SNP_P1_242344_395654	NW_004517016.1	Scaffold1943	395654	CC	TT	1940508269
SNP_P1_242345_395842	NW_004517016.1	Scaffold1943	395842	GG	TT	1940508271
SNP_P1_242346_396042	NW_004517016.1	Scaffold1943	396042	AA	CC	1940508273
SNP_P1_242347_396043	NW_004517016.1	Scaffold1943	396043	CC	AA	1940508275
SNP_P1_242348_6338	NW_004517017.1	Scaffold1944	6338	GG	AA	1940508277
SNP_P1_242349_696	NW_004517018.1	Scaffold1945	696	CC	TT	1940508279
SNP_P1_242350_738	NW_004517018.1	Scaffold1945	738	TT	CC	1940508282
SNP_P1_242351_739	NW_004517018.1	Scaffold1945	739	GG	AA	1940508284
SNP_P1_242352_825	NW_004517018.1	Scaffold1945	825	AA	TT	1940508286
SNP_P1_242353_841	NW_004517018.1	Scaffold1945	841	AA	GG	1940508288
SNP_P1_242354_1023	NW_004517018.1	Scaffold1945	1023	TT	GG	1940508290
SNP_P1_242358_11596	NW_004517018.1	Scaffold1945	11596	TT	CC	1940508292
SNP_P1_242359_11645	NW_004517018.1	Scaffold1945	11645	CC	TT	1940508294
SNP_P1_242360_11719	NW_004517018.1	Scaffold1945	11719	CC	TT	1940508296
SNP_P1_242361_11725	NW_004517018.1	Scaffold1945	11725	AA	GG	1940508299
SNP_P1_242362_11900	NW_004517018.1	Scaffold1945	11900	GG	AA	1940508301
SNP_P1_242363_12029	NW_004517018.1	Scaffold1945	12029	AA	GG	1940508303
SNP_P1_242364_18353	NW_004517018.1	Scaffold1945	18353	AA	GG	1940508305
SNP_P1_242365_40928	NW_004517018.1	Scaffold1945	40928	AA	CC	1940508307
SNP_P1_242366_40934	NW_004517018.1	Scaffold1945	40934	AA	TT	1940508309
SNP_P1_242367_40943	NW_004517018.1	Scaffold1945	40943	AA	GG	1940508311
SNP_P1_242368_61840	NW_004517018.1	Scaffold1945	61840	AA	CC	1940508313
SNP_P1_242369_66989	NW_004517018.1	Scaffold1945	66989	GG	TT	1940508316
SNP_P1_242370_67556	NW_004517018.1	Scaffold1945	67556	AA	GG	1940508318
SNP_P1_242371_67939	NW_004517018.1	Scaffold1945	67939	AA	GG	1940508320
SNP_P1_242372_67950	NW_004517018.1	Scaffold1945	67950	AA	GG	1940508322
SNP_P1_242373_80879	NW_004517018.1	Scaffold1945	80879	GG	AA	1940508324
SNP_P1_242374_81312	NW_004517018.1	Scaffold1945	81312	CC	TT	1940508326
SNP_P1_242375_81323	NW_004517018.1	Scaffold1945	81323	AA	GG	1940508328
SNP_P1_242376_95737	NW_004517018.1	Scaffold1945	95737	CC	TT	1940508330
SNP_P1_242377_96097	NW_004517018.1	Scaffold1945	96097	AA	GG	1940508333
SNP_P1_242378_97979	NW_004517018.1	Scaffold1945	97979	GG	AA	1940508335
SNP_P1_242379_97985	NW_004517018.1	Scaffold1945	97985	CC	TT	1940508337

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SNP_P1_242381_121619	NW_004517018.1	Scaffold1945	121619	TT	AA	1940508341
SNP_P1_242382_121685	NW_004517018.1	Scaffold1945	121685	TT	CC	1940508343
SNP_P1_242383_128959	NW_004517018.1	Scaffold1945	128959	CC	TT	1940508345
SNP_P1_242384_131097	NW_004517018.1	Scaffold1945	131097	AA	TT	1940508347
SNP_P1_242385_138933	NW_004517018.1	Scaffold1945	138933	GG	AA	1940508350
SNP_P1_242386_138934	NW_004517018.1	Scaffold1945	138934	GG	AA	1940508352
SNP_P1_242387_138937	NW_004517018.1	Scaffold1945	138937	AA	TT	1940508354
SNP_P1_242388_138941	NW_004517018.1	Scaffold1945	138941	AA	TT	1940508356
SNP_P1_242390_144810	NW_004517018.1	Scaffold1945	144810	GG	CC	1940508358
SNP_P1_242391_145096	NW_004517018.1	Scaffold1945	145096	TT	AA	1940508360
SNP_P1_242392_166917	NW_004517018.1	Scaffold1945	166917	AA	TT	1940508362
SNP_P1_242394_1400	NW_004517019.1	Scaffold1946	1400	TT	CC	1940508364
SNP_P1_242395_1649	NW_004517019.1	Scaffold1946	1649	TT	CC	1940508366
SNP_P1_242396_1887	NW_004517019.1	Scaffold1946	1887	TT	CC	1940508369
SNP_P1_242397_5513	NW_004517019.1	Scaffold1946	5513	CC	TT	1940508371
SNP_P1_242398_6297	NW_004517019.1	Scaffold1946	6297	GG	CC	1940508373
SNP_P1_242399_6405	NW_004517019.1	Scaffold1946	6405	AA	GG	1940508374
SNP_P1_242400_6511	NW_004517019.1	Scaffold1946	6511	AA	TT	1940508376
SNP_P1_242401_9783	NW_004517019.1	Scaffold1946	9783	AA	TT	1940508379
SNP_P1_242402_11344	NW_004517019.1	Scaffold1946	11344	TT	CC	1940508381
SNP_P1_242403_15045	NW_004517019.1	Scaffold1946	15045	GG	AA	1940508383
SNP_P1_242404_15454	NW_004517019.1	Scaffold1946	15454	AA	GG	1940508385
SNP_P1_242405_15464	NW_004517019.1	Scaffold1946	15464	AA	GG	1940508387
SNP_P1_242406_15479	NW_004517019.1	Scaffold1946	15479	AA	CC	1940508389
SNP_P1_242407_18693	NW_004517019.1	Scaffold1946	18693	CC	AA	1940508390
SNP_P1_242408_28278	NW_004517019.1	Scaffold1946	28278	GG	AA	1940508392
SNP_P1_242409_28630	NW_004517019.1	Scaffold1946	28630	TT	AA	1940508394
SNP_P1_242410_28640	NW_004517019.1	Scaffold1946	28640	AA	GG	1940508396
SNP_P1_242411_28928	NW_004517019.1	Scaffold1946	28928	CC	GG	1940508398
SNP_P1_242412_29071	NW_004517019.1	Scaffold1946	29071	AA	GG	1940508401
SNP_P1_242413_30478	NW_004517019.1	Scaffold1946	30478	CC	TT	1940508403
SNP_P1_242414_33638	NW_004517019.1	Scaffold1946	33638	GG	TT	1940508405
SNP_P1_242415_33798	NW_004517019.1	Scaffold1946	33798	GG	AA	1940508407
SNP_P1_242416_39970	NW_004517019.1	Scaffold1946	39970	CC	TT	1940508409
SNP_P1_242417_40765	NW_004517019.1	Scaffold1946	40765	GG	TT	1940508411
SNP_P1_242419_48748	NW_004517019.1	Scaffold1946	48748	GG	AA	1940508413
SNP_P1_242420_48796	NW_004517019.1	Scaffold1946	48796	TT	CC	1940508415
SNP_P1_242421_74833	NW_004517019.1	Scaffold1946	74833	AA	GG	1940508417
SNP_P1_242422_75106	NW_004517019.1	Scaffold1946	75106	GG	AA	1940508420
SNP_P1_242423_75109	NW_004517019.1	Scaffold1946	75109	AA	GG	1940508422
SNP_P1_242424_75562	NW_004517019.1	Scaffold1946	75562	TT	CC	1940508424

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SNP_P1_242426_153	NW_004517020.1	Scaffold1948	153	AA	CC	1940508428
SNP_P1_242427_658	NW_004517020.1	Scaffold1948	658	GG	AA	1940508430
SNP_P1_242428_921	NW_004517021.1	Scaffold1949	921	AA	GG	1940508432
SNP_P1_242429_1465	NW_004517021.1	Scaffold1949	1465	TT	AA	1940508434
SNP_P1_242430_1466	NW_004517021.1	Scaffold1949	1466	AA	TT	1940508436
SNP_P1_242431_1914	NW_004517021.1	Scaffold1949	1914	GG	TT	1940508438
SNP_P1_242432_2568	NW_004517022.1	Scaffold1950	2568	TT	AA	1940508441
SNP_P1_242433_2834	NW_004517022.1	Scaffold1950	2834	AA	GG	1940508443
SNP_P1_242434_19464	NW_004517022.1	Scaffold1950	19464	GG	AA	1940508445
SNP_P1_242435_21367	NW_004517022.1	Scaffold1950	21367	GG	TT	1940508447
SNP_P1_242436_21376	NW_004517022.1	Scaffold1950	21376	TT	AA	1940508449
SNP_P1_242437_22388	NW_004517022.1	Scaffold1950	22388	TT	AA	1940508451
SNP_P1_242438_22393	NW_004517022.1	Scaffold1950	22393	AA	TT	1940508453
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SNP_P1_242440_22437	NW_004517022.1	Scaffold1950	22437	AA	CC	1940508458
SNP_P1_242441_22438	NW_004517022.1	Scaffold1950	22438	GG	AA	1940508460
SNP_P1_242442_22454	NW_004517022.1	Scaffold1950	22454	TT	GG	1940508462
SNP_P1_242443_22498	NW_004517022.1	Scaffold1950	22498	CC	AA	1940508464
SNP_P1_242444_22509	NW_004517022.1	Scaffold1950	22509	CC	TT	1940508466
SNP_P1_242446_22793	NW_004517022.1	Scaffold1950	22793	GG	TT	1940508468
SNP_P1_242447_4685	NW_004517024.1	Scaffold1952	4685	CC	GG	1940508470
SNP_P1_242448_5730	NW_004517024.1	Scaffold1952	5730	GG	TT	1940508472
SNP_P1_242449_5752	NW_004517024.1	Scaffold1952	5752	CC	TT	1940508475
SNP_P1_242450_799	NW_004517026.1	Scaffold1954	799	CC	TT	1940508477
SNP_P1_242451_908	NW_004517026.1	Scaffold1954	908	GG	AA	1940508479
SNP_P1_242452_931	NW_004517026.1	Scaffold1954	931	AA	CC	1940508481
SNP_P1_242453_1054	NW_004517026.1	Scaffold1954	1054	TT	AA	1940508483
SNP_P1_242454_1062	NW_004517026.1	Scaffold1954	1062	TT	CC	1940508485
SNP_P1_242455_1155	NW_004517026.1	Scaffold1954	1155	TT	CC	1940508487
SNP_P1_242456_1164	NW_004517026.1	Scaffold1954	1164	AA	TT	1940508489
SNP_P1_242457_1189	NW_004517026.1	Scaffold1954	1189	GG	AA	1940508491
SNP_P1_242458_1202	NW_004517026.1	Scaffold1954	1202	TT	CC	1940508494
SNP_P1_242459_1293	NW_004517026.1	Scaffold1954	1293	AA	TT	1940508496
SNP_P1_242461_1351	NW_004517026.1	Scaffold1954	1351	TT	GG	1940508498
SNP_P1_242463_1461	NW_004517026.1	Scaffold1954	1461	TT	CC	1940508500
SNP_P1_242464_1503	NW_004517026.1	Scaffold1954	1503	AA	TT	1940508502
SNP_P1_242465_1524	NW_004517026.1	Scaffold1954	1524	AA	GG	1940508504
SNP_P1_242466_1525	NW_004517026.1	Scaffold1954	1525	CC	TT	1940508506
SNP_P1_242467_2172	NW_004517026.1	Scaffold1954	2172	TT	AA	1940508508
SNP_P1_242468_2307	NW_004517026.1	Scaffold1954	2307	AA	GG	1940508511
SNP_P1_242469_2332	NW_004517026.1	Scaffold1954	2332	GG	AA	1940508513

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_242471_2569	NW_004517026.1	Scaffold1954	2569	TT	AA	1940508515
SNP_P1_242472_2581	NW_004517026.1	Scaffold1954	2581	AA	CC	1940508517
SNP_P1_242473_4692	NW_004517026.1	Scaffold1954	4692	GG	AA	1940508519
SNP_P1_242474_4717	NW_004517026.1	Scaffold1954	4717	CC	TT	1940508521
SNP_P1_242475_4837	NW_004517026.1	Scaffold1954	4837	TT	AA	1940508523
SNP_P1_242476_4852	NW_004517026.1	Scaffold1954	4852	TT	CC	1940508525
SNP_P1_242477_4860	NW_004517026.1	Scaffold1954	4860	GG	TT	1940508527
SNP_P1_242478_4879	NW_004517026.1	Scaffold1954	4879	AA	GG	1940508530
SNP_P1_242479_4933	NW_004517026.1	Scaffold1954	4933	CC	TT	1940508532
SNP_P1_242480_4949	NW_004517026.1	Scaffold1954	4949	TT	GG	1940508534
SNP_P1_242481_4974	NW_004517026.1	Scaffold1954	4974	CC	TT	1940508536
SNP_P1_242482_9462	NW_004517028.1	Scaffold1956	9462	CC	TT	1940508538
SNP_P1_242483_9716	NW_004517028.1	Scaffold1956	9716	TT	CC	1940508540
SNP_P1_242484_9826	NW_004517028.1	Scaffold1956	9826	CC	TT	1940508542
SNP_P1_242485_9910	NW_004517028.1	Scaffold1956	9910	GG	AA	1940508544
SNP_P1_242486_9935	NW_004517028.1	Scaffold1956	9935	AA	GG	1940508546
SNP_P1_242487_10129	NW_004517028.1	Scaffold1956	10129	AA	GG	1940508549
SNP_P1_242488_10911	NW_004517028.1	Scaffold1956	10911	CC	TT	1940508551
SNP_P1_242489_14129	NW_004517028.1	Scaffold1956	14129	TT	GG	1940508553
SNP_P1_242490_14223	NW_004517028.1	Scaffold1956	14223	CC	TT	1940508555
SNP_P1_242491_14271	NW_004517028.1	Scaffold1956	14271	TT	GG	1940508557
SNP_P1_242492_14276	NW_004517028.1	Scaffold1956	14276	AA	GG	1940508559
SNP_P1_242493_14296	NW_004517028.1	Scaffold1956	14296	GG	AA	1940508561
SNP_P1_242494_15974	NW_004517028.1	Scaffold1956	15974	AA	GG	1940508563
SNP_P1_242495_15982	NW_004517028.1	Scaffold1956	15982	GG	CC	1940508566
SNP_P1_242496_16500	NW_004517028.1	Scaffold1956	16500	CC	TT	1940508568
SNP_P1_242497_16866	NW_004517028.1	Scaffold1956	16866	GG	CC	1940508570
SNP_P1_242498_17018	NW_004517028.1	Scaffold1956	17018	TT	CC	1940508572
SNP_P1_242499_17279	NW_004517028.1	Scaffold1956	17279	CC	GG	1940508574
SNP_P1_242500_18393	NW_004517028.1	Scaffold1956	18393	CC	AA	1940508576
SNP_P1_242501_18425	NW_004517028.1	Scaffold1956	18425	CC	TT	1940508578
SNP_P1_242502_18851	NW_004517028.1	Scaffold1956	18851	GG	AA	1940508580
SNP_P1_242503_22342	NW_004517028.1	Scaffold1956	22342	CC	GG	1940508582
SNP_P1_242504_22350	NW_004517028.1	Scaffold1956	22350	GG	AA	1940508585
SNP_P1_242505_22730	NW_004517028.1	Scaffold1956	22730	GG	AA	1940508587
SNP_P1_242506_27369	NW_004517028.1	Scaffold1956	27369	CC	TT	1940508589
SNP_P1_242507_27398	NW_004517028.1	Scaffold1956	27398	CC	GG	1940508591
SNP_P1_242508_27556	NW_004517028.1	Scaffold1956	27556	TT	GG	1940508593
SNP_P1_242509_27557	NW_004517028.1	Scaffold1956	27557	GG	TT	1940508595
SNP_P1_242510_27681	NW_004517028.1	Scaffold1956	27681	TT	AA	1940508597
SNP_P1_242511_27791	NW_004517028.1	Scaffold1956	27791	AA	GG	1940508599
SNP_P1_242512_27974	NW_004517028.1	Scaffold1956	27974	GG	AA	1940508602

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_242513_28022	NW_004517028.1	Scaffold1956	28022	AA	GG	1940508604
SNP_P1_242514_28043	NW_004517028.1	Scaffold1956	28043	TT	GG	1940508606
SNP_P1_242515_29172	NW_004517028.1	Scaffold1956	29172	AA	GG	1940508608
SNP_P1_242516_30761	NW_004517028.1	Scaffold1956	30761	AA	CC	1940508610
SNP_P1_242517_30794	NW_004517028.1	Scaffold1956	30794	TT	CC	1940508612
SNP_P1_242518_30843	NW_004517028.1	Scaffold1956	30843	GG	CC	1940508614
SNP_P1_242519_30858	NW_004517028.1	Scaffold1956	30858	TT	GG	1940508616
SNP_P1_242521_40746	NW_004517028.1	Scaffold1956	40746	GG	AA	1940508619
SNP_P1_242522_40829	NW_004517028.1	Scaffold1956	40829	TT	CC	1940508621
SNP_P1_242523_40898	NW_004517028.1	Scaffold1956	40898	GG	AA	1940508623
SNP_P1_242524_40962	NW_004517028.1	Scaffold1956	40962	GG	AA	1940508625
SNP_P1_242525_40990	NW_004517028.1	Scaffold1956	40990	AA	GG	1940508627
SNP_P1_242526_40996	NW_004517028.1	Scaffold1956	40996	TT	AA	1940508629
SNP_P1_242527_41803	NW_004517028.1	Scaffold1956	41803	CC	TT	1940508631
SNP_P1_242528_46868	NW_004517028.1	Scaffold1956	46868	TT	CC	1940508633
SNP_P1_242529_47017	NW_004517028.1	Scaffold1956	47017	GG	AA	1940508635
SNP_P1_242530_47185	NW_004517028.1	Scaffold1956	47185	TT	CC	1940508637
SNP_P1_242531_50010	NW_004517028.1	Scaffold1956	50010	TT	CC	1940508639
SNP_P1_242532_51732	NW_004517028.1	Scaffold1956	51732	CC	TT	1940508641
SNP_P1_242533_51735	NW_004517028.1	Scaffold1956	51735	AA	GG	1940508644
SNP_P1_242534_52596	NW_004517028.1	Scaffold1956	52596	TT	AA	1940508646
SNP_P1_242535_52620	NW_004517028.1	Scaffold1956	52620	CC	TT	1940508648
SNP_P1_242536_52702	NW_004517028.1	Scaffold1956	52702	AA	TT	1940508650
SNP_P1_242537_54171	NW_004517028.1	Scaffold1956	54171	AA	TT	1940508652
SNP_P1_242538_63356	NW_004517028.1	Scaffold1956	63356	CC	AA	1940508654
SNP_P1_242539_63443	NW_004517028.1	Scaffold1956	63443	TT	CC	1940508656
SNP_P1_242540_63538	NW_004517028.1	Scaffold1956	63538	GG	AA	1940508658
SNP_P1_242541_63648	NW_004517028.1	Scaffold1956	63648	GG	AA	1940508661
SNP_P1_242542_63701	NW_004517028.1	Scaffold1956	63701	CC	TT	1940508663
SNP_P1_242545_68001	NW_004517028.1	Scaffold1956	68001	AA	TT	1940508665
SNP_P1_242546_72186	NW_004517028.1	Scaffold1956	72186	AA	TT	1940508667
SNP_P1_242547_72222	NW_004517028.1	Scaffold1956	72222	AA	GG	1940508669
SNP_P1_242548_72478	NW_004517028.1	Scaffold1956	72478	AA	GG	1940508671
SNP_P1_242549_72491	NW_004517028.1	Scaffold1956	72491	TT	GG	1940508673
SNP_P1_242550_72497	NW_004517028.1	Scaffold1956	72497	AA	GG	1940508675
SNP_P1_242551_72498	NW_004517028.1	Scaffold1956	72498	GG	AA	1940508677
SNP_P1_242552_72517	NW_004517028.1	Scaffold1956	72517	TT	AA	1940508680
SNP_P1_242553_72526	NW_004517028.1	Scaffold1956	72526	GG	TT	1940508682
SNP_P1_242554_72593	NW_004517028.1	Scaffold1956	72593	AA	CC	1940508684
SNP_P1_242555_72662	NW_004517028.1	Scaffold1956	72662	AA	GG	1940508686
SNP_P1_242556_75532	NW_004517028.1	Scaffold1956	75532	AA	TT	1940508688
SNP_P1_242557_78755	NW_004517028.1	Scaffold1956	78755	CC	TT	1940508690

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_242558_81656	NW_004517028.1	Scaffold1956	81656	CC	AA	1940508692
SNP_P1_242559_82181	NW_004517028.1	Scaffold1956	82181	AA	GG	1940508694
SNP_P1_242560_85717	NW_004517028.1	Scaffold1956	85717	CC	TT	1940508697
SNP_P1_242561_85880	NW_004517028.1	Scaffold1956	85880	AA	TT	1940508699
SNP_P1_242563_85968	NW_004517028.1	Scaffold1956	85968	GG	TT	1940508701
SNP_P1_242564_86053	NW_004517028.1	Scaffold1956	86053	AA	CC	1940508703
SNP_P1_242565_86193	NW_004517028.1	Scaffold1956	86193	TT	GG	1940508705
SNP_P1_242566_86200	NW_004517028.1	Scaffold1956	86200	CC	AA	1940508707
SNP_P1_242567_87649	NW_004517028.1	Scaffold1956	87649	CC	TT	1940508710
SNP_P1_242568_87857	NW_004517028.1	Scaffold1956	87857	CC	GG	1940508712
SNP_P1_242569_88025	NW_004517028.1	Scaffold1956	88025	GG	AA	1940508714
SNP_P1_242570_88040	NW_004517028.1	Scaffold1956	88040	AA	CC	1940508716
SNP_P1_242571_88263	NW_004517028.1	Scaffold1956	88263	GG	TT	1940508718
SNP_P1_242572_88432	NW_004517028.1	Scaffold1956	88432	AA	GG	1940508720
SNP_P1_242573_88531	NW_004517028.1	Scaffold1956	88531	CC	AA	1940508722
SNP_P1_242574_88625	NW_004517028.1	Scaffold1956	88625	CC	GG	1940508724
SNP_P1_242575_88636	NW_004517028.1	Scaffold1956	88636	AA	TT	1940508727
SNP_P1_242576_88777	NW_004517028.1	Scaffold1956	88777	CC	GG	1940508729
SNP_P1_242577_93563	NW_004517028.1	Scaffold1956	93563	TT	CC	1940508731
SNP_P1_242578_93685	NW_004517028.1	Scaffold1956	93685	GG	TT	1940508733
SNP_P1_242579_96666	NW_004517028.1	Scaffold1956	96666	CC	AA	1940508735
SNP_P1_242580_96667	NW_004517028.1	Scaffold1956	96667	TT	GG	1940508737
SNP_P1_242581_96732	NW_004517028.1	Scaffold1956	96732	GG	TT	1940508739
SNP_P1_242582_96733	NW_004517028.1	Scaffold1956	96733	AA	TT	1940508741
SNP_P1_242583_96918	NW_004517028.1	Scaffold1956	96918	GG	AA	1940508743
SNP_P1_242584_96963	NW_004517028.1	Scaffold1956	96963	TT	CC	1940508746
SNP_P1_242585_96966	NW_004517028.1	Scaffold1956	96966	CC	TT	1940508748
SNP_P1_242586_119806	NW_004517028.1	Scaffold1956	119806	CC	TT	1940508750
SNP_P1_242587_119854	NW_004517028.1	Scaffold1956	119854	GG	CC	1940508752
SNP_P1_242588_120035	NW_004517028.1	Scaffold1956	120035	CC	GG	1940508754
SNP_P1_242589_120038	NW_004517028.1	Scaffold1956	120038	CC	TT	1940508756
SNP_P1_242590_133485	NW_004517028.1	Scaffold1956	133485	AA	GG	1940508758
SNP_P1_242591_133550	NW_004517028.1	Scaffold1956	133550	TT	AA	1940508760
SNP_P1_242592_134125	NW_004517028.1	Scaffold1956	134125	TT	CC	1940508763
SNP_P1_242593_135136	NW_004517028.1	Scaffold1956	135136	GG	AA	1940508765
SNP_P1_242594_13456	NW_004517029.1	Scaffold1959	13456	AA	CC	1940508767
SNP_P1_242595_18964	NW_004517029.1	Scaffold1959	18964	CC	TT	1940508769
SNP_P1_242596_19209	NW_004517029.1	Scaffold1959	19209	TT	GG	1940508771
SNP_P1_242597_19319	NW_004517029.1	Scaffold1959	19319	TT	CC	1940508773
SNP_P1_242598_19360	NW_004517029.1	Scaffold1959	19360	TT	GG	1940508775
SNP_P1_242599_31536	NW_004517029.1	Scaffold1959	31536	TT	AA	1940508777
SNP_P1_242600_32620	NW_004517029.1	Scaffold1959	32620	GG	CC	1940508779

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SNP_P1_242602_33094	NW_004517029.1	Scaffold1959	33094	AA	GG	1940508783
SNP_P1_242603_33312	NW_004517029.1	Scaffold1959	33312	GG	AA	1940508785
SNP_P1_242604_33367	NW_004517029.1	Scaffold1959	33367	CC	TT	1940508787
SNP_P1_242605_33453	NW_004517029.1	Scaffold1959	33453	GG	AA	1940508789
SNP_P1_242606_33467	NW_004517029.1	Scaffold1959	33467	AA	GG	1940508792
SNP_P1_242607_44984	NW_004517029.1	Scaffold1959	44984	GG	AA	1940508794
SNP_P1_242608_45265	NW_004517029.1	Scaffold1959	45265	AA	TT	1940508796
SNP_P1_242609_45333	NW_004517029.1	Scaffold1959	45333	CC	TT	1940508798
SNP_P1_242610_45538	NW_004517029.1	Scaffold1959	45538	CC	TT	1940508800
SNP_P1_242611_45758	NW_004517029.1	Scaffold1959	45758	GG	TT	1940508802
SNP_P1_242612_45772	NW_004517029.1	Scaffold1959	45772	AA	GG	1940508804
SNP_P1_242613_46567	NW_004517029.1	Scaffold1959	46567	CC	TT	1940508807
SNP_P1_242614_46569	NW_004517029.1	Scaffold1959	46569	AA	GG	1940508809
SNP_P1_242615_46647	NW_004517029.1	Scaffold1959	46647	GG	TT	1940508811
SNP_P1_242616_46694	NW_004517029.1	Scaffold1959	46694	AA	CC	1940508813
SNP_P1_242617_46915	NW_004517029.1	Scaffold1959	46915	GG	TT	1940508815
SNP_P1_242618_46936	NW_004517029.1	Scaffold1959	46936	CC	AA	1940508817
SNP_P1_242619_47215	NW_004517029.1	Scaffold1959	47215	TT	CC	1940508819
SNP_P1_242621_47298	NW_004517029.1	Scaffold1959	47298	CC	TT	1940508821
SNP_P1_242622_47522	NW_004517029.1	Scaffold1959	47522	TT	GG	1940508824
SNP_P1_242623_47525	NW_004517029.1	Scaffold1959	47525	GG	CC	1940508826
SNP_P1_242624_47589	NW_004517029.1	Scaffold1959	47589	AA	GG	1940508828
SNP_P1_242625_47654	NW_004517029.1	Scaffold1959	47654	TT	CC	1940508830
SNP_P1_242626_50262	NW_004517029.1	Scaffold1959	50262	CC	AA	1940508832
SNP_P1_242627_50288	NW_004517029.1	Scaffold1959	50288	GG	AA	1940508834
SNP_P1_242628_50362	NW_004517029.1	Scaffold1959	50362	TT	AA	1940508836
SNP_P1_242629_50374	NW_004517029.1	Scaffold1959	50374	CC	TT	1940508838
SNP_P1_242630_56695	NW_004517029.1	Scaffold1959	56695	CC	TT	1940508840
SNP_P1_242631_58014	NW_004517029.1	Scaffold1959	58014	CC	AA	1940508843
SNP_P1_242632_59169	NW_004517029.1	Scaffold1959	59169	AA	GG	1940508845
SNP_P1_242633_64212	NW_004517029.1	Scaffold1959	64212	CC	TT	1940508847
SNP_P1_242634_64316	NW_004517029.1	Scaffold1959	64316	AA	TT	1940508849
SNP_P1_242635_64319	NW_004517029.1	Scaffold1959	64319	AA	GG	1940508851
SNP_P1_242636_64335	NW_004517029.1	Scaffold1959	64335	AA	GG	1940508853
SNP_P1_242637_64342	NW_004517029.1	Scaffold1959	64342	CC	TT	1940508855
SNP_P1_242638_64546	NW_004517029.1	Scaffold1959	64546	GG	AA	1940508857
SNP_P1_242639_64631	NW_004517029.1	Scaffold1959	64631	TT	CC	1940508859
SNP_P1_242640_64672	NW_004517029.1	Scaffold1959	64672	GG	AA	1940508862
SNP_P1_242641_67048	NW_004517029.1	Scaffold1959	67048	GG	AA	1940508864
SNP_P1_242642_67286	NW_004517029.1	Scaffold1959	67286	GG	AA	1940508866
SNP_P1_242644_67732	NW_004517029.1	Scaffold1959	67732	GG	AA	1940508868

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SNP_P1_242646_68274	NW_004517029.1	Scaffold1959	68274	GG	CC	1940508872
SNP_P1_242647_77642	NW_004517029.1	Scaffold1959	77642	CC	TT	1940508874
SNP_P1_242648_83810	NW_004517029.1	Scaffold1959	83810	GG	AA	1940508876
SNP_P1_242649_84046	NW_004517029.1	Scaffold1959	84046	CC	TT	1940508879
SNP_P1_242650_84677	NW_004517029.1	Scaffold1959	84677	GG	CC	1940508881
SNP_P1_242651_84997	NW_004517029.1	Scaffold1959	84997	TT	GG	1940508882
SNP_P1_242653_109041	NW_004517029.1	Scaffold1959	109041	TT	CC	1940508883
SNP_P1_242654_120312	NW_004517029.1	Scaffold1959	120312	CC	TT	1940508885
SNP_P1_242655_120316	NW_004517029.1	Scaffold1959	120316	TT	CC	1940508887
SNP_P1_242656_120687	NW_004517029.1	Scaffold1959	120687	CC	TT	1940508889
SNP_P1_242657_124962	NW_004517029.1	Scaffold1959	124962	AA	GG	1940508892
SNP_P1_242658_125024	NW_004517029.1	Scaffold1959	125024	TT	GG	1940508894
SNP_P1_242659_125033	NW_004517029.1	Scaffold1959	125033	TT	CC	1940508896
SNP_P1_242660_125323	NW_004517029.1	Scaffold1959	125323	CC	TT	1940508898
SNP_P1_242661_125336	NW_004517029.1	Scaffold1959	125336	CC	GG	1940508900
SNP_P1_242662_125363	NW_004517029.1	Scaffold1959	125363	TT	CC	1940508902
SNP_P1_242663_125374	NW_004517029.1	Scaffold1959	125374	TT	CC	1940508904
SNP_P1_242664_125379	NW_004517029.1	Scaffold1959	125379	AA	GG	1940508906
SNP_P1_242665_125390	NW_004517029.1	Scaffold1959	125390	TT	CC	1940508908
SNP_P1_242666_125460	NW_004517029.1	Scaffold1959	125460	CC	TT	1940508910
SNP_P1_242667_125475	NW_004517029.1	Scaffold1959	125475	CC	TT	1940508912
SNP_P1_242668_140894	NW_004517029.1	Scaffold1959	140894	CC	TT	1940508915
SNP_P1_242669_140895	NW_004517029.1	Scaffold1959	140895	TT	CC	1940508917
SNP_P1_242670_140899	NW_004517029.1	Scaffold1959	140899	AA	GG	1940508919
SNP_P1_242672_6238	NW_004517032.1	Scaffold1962	6238	CC	TT	1940508921
SNP_P1_242673_9711	NW_004517032.1	Scaffold1962	9711	CC	TT	1940508923
SNP_P1_242674_9714	NW_004517032.1	Scaffold1962	9714	GG	AA	1940508925
SNP_P1_242676_22898	NW_004517032.1	Scaffold1962	22898	GG	AA	1940508927
SNP_P1_242677_31665	NW_004517032.1	Scaffold1962	31665	AA	TT	1940508929
SNP_P1_242678_33141	NW_004517032.1	Scaffold1962	33141	CC	AA	1940508931
SNP_P1_242679_33502	NW_004517032.1	Scaffold1962	33502	TT	CC	1940508934
SNP_P1_242680_33520	NW_004517032.1	Scaffold1962	33520	TT	CC	1940508936
SNP_P1_242681_33584	NW_004517032.1	Scaffold1962	33584	AA	CC	1940508938
SNP_P1_242682_38705	NW_004517032.1	Scaffold1962	38705	AA	TT	1940508940
SNP_P1_242684_44277	NW_004517032.1	Scaffold1962	44277	TT	CC	1940508942
SNP_P1_242685_44279	NW_004517032.1	Scaffold1962	44279	TT	GG	1940508944
SNP_P1_242686_44482	NW_004517032.1	Scaffold1962	44482	TT	GG	1940508946
SNP_P1_242687_44490	NW_004517032.1	Scaffold1962	44490	GG	AA	1940508948
SNP_P1_242688_44494	NW_004517032.1	Scaffold1962	44494	GG	TT	1940508950
SNP_P1_242689_50174	NW_004517032.1	Scaffold1962	50174	GG	TT	1940508953
SNP_P1_242690_74997	NW_004517032.1	Scaffold1962	74997	AA	GG	1940508955

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_242691_92289	NW_004517032.1	Scaffold1962	92289	TT	CC	1940508957
SNP_P1_242692_93881	NW_004517032.1	Scaffold1962	93881	CC	TT	1940508959
SNP_P1_242694_136201	NW_004517032.1	Scaffold1962	136201	AA	TT	1940508961
SNP_P1_242696_154319	NW_004517032.1	Scaffold1962	154319	TT	GG	1940508963
SNP_P1_242698_170135	NW_004517032.1	Scaffold1962	170135	CC	TT	1940508965
SNP_P1_242699_170303	NW_004517032.1	Scaffold1962	170303	TT	GG	1940508967
SNP_P1_242700_170314	NW_004517032.1	Scaffold1962	170314	CC	TT	1940508969
SNP_P1_242701_170553	NW_004517032.1	Scaffold1962	170553	CC	TT	1940508972
SNP_P1_242702_170687	NW_004517032.1	Scaffold1962	170687	CC	TT	1940508974
SNP_P1_242704_170743	NW_004517032.1	Scaffold1962	170743	TT	CC	1940508976
SNP_P1_242705_170953	NW_004517032.1	Scaffold1962	170953	GG	AA	1940508978
SNP_P1_242706_171050	NW_004517032.1	Scaffold1962	171050	TT	CC	1940508980
SNP_P1_242707_171057	NW_004517032.1	Scaffold1962	171057	AA	TT	1940508982
SNP_P1_242708_171123	NW_004517032.1	Scaffold1962	171123	GG	TT	1940508984
SNP_P1_242709_172013	NW_004517032.1	Scaffold1962	172013	AA	GG	1940508986
SNP_P1_242710_172014	NW_004517032.1	Scaffold1962	172014	AA	CC	1940508989
SNP_P1_242711_517	NW_004517033.1	Scaffold1963	517	TT	CC	1940508991
SNP_P1_242712_576	NW_004517033.1	Scaffold1963	576	AA	GG	1940508993
SNP_P1_242714_2198	NW_004517033.1	Scaffold1963	2198	AA	TT	1940508995
SNP_P1_242716_7258	NW_004517034.1	Scaffold1964	7258	AA	GG	1940508997
SNP_P1_242717_7550	NW_004517034.1	Scaffold1964	7550	TT	CC	1940508999
SNP_P1_242718_7736	NW_004517034.1	Scaffold1964	7736	CC	TT	1940509001
SNP_P1_242719_7839	NW_004517034.1	Scaffold1964	7839	GG	AA	1940509003
SNP_P1_242720_8291	NW_004517034.1	Scaffold1964	8291	CC	TT	1940509006
SNP_P1_242721_8908	NW_004517034.1	Scaffold1964	8908	AA	GG	1940509008
SNP_P1_242722_9086	NW_004517034.1	Scaffold1964	9086	CC	GG	1940509010
SNP_P1_242723_9087	NW_004517034.1	Scaffold1964	9087	TT	GG	1940509012
SNP_P1_242724_9088	NW_004517034.1	Scaffold1964	9088	CC	AA	1940509014
SNP_P1_242725_9089	NW_004517034.1	Scaffold1964	9089	CC	GG	1940509016
SNP_P1_242726_9348	NW_004517034.1	Scaffold1964	9348	TT	AA	1940509018
SNP_P1_242727_9550	NW_004517034.1	Scaffold1964	9550	CC	GG	1940509020
SNP_P1_242728_10009	NW_004517034.1	Scaffold1964	10009	GG	AA	1940509023
SNP_P1_242729_10272	NW_004517034.1	Scaffold1964	10272	TT	CC	1940509025
SNP_P1_242730_10279	NW_004517034.1	Scaffold1964	10279	GG	AA	1940509027
SNP_P1_242731_10442	NW_004517034.1	Scaffold1964	10442	GG	AA	1940509029
SNP_P1_242732_10529	NW_004517034.1	Scaffold1964	10529	AA	GG	1940509031
SNP_P1_242733_10764	NW_004517034.1	Scaffold1964	10764	TT	CC	1940509033
SNP_P1_242734_10821	NW_004517034.1	Scaffold1964	10821	AA	GG	1940509035
SNP_P1_242735_10842	NW_004517034.1	Scaffold1964	10842	TT	GG	1940509037
SNP_P1_242737_11016	NW_004517034.1	Scaffold1964	11016	GG	AA	1940509039
SNP_P1_242740_20151	NW_004517034.1	Scaffold1964	20151	GG	AA	1940509042
SNP_P1_242742_20246	NW_004517034.1	Scaffold1964	20246	CC	TT	1940509044

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_242743_20248	NW_004517034.1	Scaffold1964	20248	CC	TT	1940509046
SNP_P1_242744_20257	NW_004517034.1	Scaffold1964	20257	CC	AA	1940509048
SNP_P1_242746_20368	NW_004517034.1	Scaffold1964	20368	TT	CC	1940509050
SNP_P1_242747_20394	NW_004517034.1	Scaffold1964	20394	TT	AA	1940509052
SNP_P1_242748_20422	NW_004517034.1	Scaffold1964	20422	GG	AA	1940509054
SNP_P1_242749_20442	NW_004517034.1	Scaffold1964	20442	CC	TT	1940509056
SNP_P1_242750_20601	NW_004517034.1	Scaffold1964	20601	AA	CC	1940509058
SNP_P1_242751_20811	NW_004517034.1	Scaffold1964	20811	TT	CC	1940509061
SNP_P1_242752_20884	NW_004517034.1	Scaffold1964	20884	GG	AA	1940509063
SNP_P1_242753_20885	NW_004517034.1	Scaffold1964	20885	CC	TT	1940509065
SNP_P1_242754_20940	NW_004517034.1	Scaffold1964	20940	CC	AA	1940509067
SNP_P1_242755_21130	NW_004517034.1	Scaffold1964	21130	TT	CC	1940509069
SNP_P1_242756_21191	NW_004517034.1	Scaffold1964	21191	AA	GG	1940509071
SNP_P1_242758_21717	NW_004517034.1	Scaffold1964	21717	TT	CC	1940509073
SNP_P1_242759_21847	NW_004517034.1	Scaffold1964	21847	AA	CC	1940509075
SNP_P1_242760_22615	NW_004517034.1	Scaffold1964	22615	GG	CC	1940509077
SNP_P1_242761_22887	NW_004517034.1	Scaffold1964	22887	AA	GG	1940509079
SNP_P1_242762_35029	NW_004517034.1	Scaffold1964	35029	TT	AA	1940509081
SNP_P1_242763_35030	NW_004517034.1	Scaffold1964	35030	TT	AA	1940509084
SNP_P1_242764_35035	NW_004517034.1	Scaffold1964	35035	TT	CC	1940509086
SNP_P1_242765_95145	NW_004517034.1	Scaffold1964	95145	CC	AA	1940509088
SNP_P1_242766_96919	NW_004517034.1	Scaffold1964	96919	TT	CC	1940509090
SNP_P1_242767_107511	NW_004517034.1	Scaffold1964	107511	GG	CC	1940509092
SNP_P1_242769_112857	NW_004517034.1	Scaffold1964	112857	AA	GG	1940509094
SNP_P1_242770_113306	NW_004517034.1	Scaffold1964	113306	CC	TT	1940509096
SNP_P1_242774_143488	NW_004517034.1	Scaffold1964	143488	AA	GG	1940509098
SNP_P1_242775_149407	NW_004517034.1	Scaffold1964	149407	TT	AA	1940509100
SNP_P1_242776_157821	NW_004517034.1	Scaffold1964	157821	AA	GG	1940509103
SNP_P1_242777_171915	NW_004517034.1	Scaffold1964	171915	TT	CC	1940509105
SNP_P1_242778_172096	NW_004517034.1	Scaffold1964	172096	TT	CC	1940509107
SNP_P1_242781_172293	NW_004517034.1	Scaffold1964	172293	AA	GG	1940509109
SNP_P1_242782_3890	NW_004517040.1	Scaffold1971	3890	AA	CC	1940509111
SNP_P1_242783_4056	NW_004517040.1	Scaffold1971	4056	TT	CC	1940509113
SNP_P1_242784_4292	NW_004517040.1	Scaffold1971	4292	TT	CC	1940509115
SNP_P1_242785_4317	NW_004517040.1	Scaffold1971	4317	CC	AA	1940509117
SNP_P1_242786_4445	NW_004517040.1	Scaffold1971	4445	TT	CC	1940509119
SNP_P1_242787_4487	NW_004517040.1	Scaffold1971	4487	TT	AA	1940509121
SNP_P1_242788_1269	NW_004517041.1	Scaffold1972	1269	TT	AA	1940509124
SNP_P1_242789_1607	NW_004517041.1	Scaffold1972	1607	GG	TT	1940509126
SNP_P1_242790_1055	NW_004517042.1	Scaffold1974	1055	AA	GG	1940509128
SNP_P1_242791_1180	NW_004517042.1	Scaffold1974	1180	AA	TT	1940509130
SNP_P1_242792_1206	NW_004517042.1	Scaffold1974	1206	GG	AA	1940509132

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_242793_13933	NW_004517042.1	Scaffold1974	13933	CC	TT	1940509134
SNP_P1_242794_589	NW_004517044.1	Scaffold1976	589	CC	TT	1940509136
SNP_P1_242795_4762	NW_004517044.1	Scaffold1976	4762	TT	GG	1940509138
SNP_P1_242796_5186	NW_004517044.1	Scaffold1976	5186	GG	AA	1940509140
SNP_P1_242797_5339	NW_004517044.1	Scaffold1976	5339	GG	CC	1940509142
SNP_P1_242798_5395	NW_004517044.1	Scaffold1976	5395	CC	TT	1940509145
SNP_P1_242799_5460	NW_004517044.1	Scaffold1976	5460	AA	GG	1940509147
SNP_P1_242800_5471	NW_004517044.1	Scaffold1976	5471	CC	AA	1940509149
SNP_P1_242801_5472	NW_004517044.1	Scaffold1976	5472	AA	GG	1940509151
SNP_P1_242802_5565	NW_004517044.1	Scaffold1976	5565	TT	AA	1940509153
SNP_P1_242803_5586	NW_004517044.1	Scaffold1976	5586	TT	AA	1940509155
SNP_P1_242804_5613	NW_004517044.1	Scaffold1976	5613	TT	AA	1940509157
SNP_P1_242805_9298	NW_004517044.1	Scaffold1976	9298	AA	GG	1940509159
SNP_P1_242806_9381	NW_004517044.1	Scaffold1976	9381	AA	GG	1940509161
SNP_P1_242807_9421	NW_004517044.1	Scaffold1976	9421	AA	GG	1940509163
SNP_P1_242808_9479	NW_004517044.1	Scaffold1976	9479	TT	CC	1940509166
SNP_P1_242809_9511	NW_004517044.1	Scaffold1976	9511	AA	GG	1940509168
SNP_P1_242810_10596	NW_004517044.1	Scaffold1976	10596	CC	AA	1940509170
SNP_P1_242811_10738	NW_004517044.1	Scaffold1976	10738	CC	TT	1940509172
SNP_P1_242812_10841	NW_004517044.1	Scaffold1976	10841	GG	AA	1940509174
SNP_P1_242813_10858	NW_004517044.1	Scaffold1976	10858	CC	AA	1940509176
SNP_P1_242814_10866	NW_004517044.1	Scaffold1976	10866	GG	AA	1940509178
SNP_P1_242815_10876	NW_004517044.1	Scaffold1976	10876	TT	CC	1940509180
SNP_P1_242816_10886	NW_004517044.1	Scaffold1976	10886	TT	CC	1940509182
SNP_P1_242817_17113	NW_004517044.1	Scaffold1976	17113	CC	TT	1940509185
SNP_P1_242818_21242	NW_004517044.1	Scaffold1976	21242	AA	GG	1940509187
SNP_P1_242819_25526	NW_004517044.1	Scaffold1976	25526	AA	GG	1940509189
SNP_P1_242820_26169	NW_004517044.1	Scaffold1976	26169	CC	TT	1940509191
SNP_P1_242821_26197	NW_004517044.1	Scaffold1976	26197	CC	AA	1940509193
SNP_P1_242822_26216	NW_004517044.1	Scaffold1976	26216	TT	CC	1940509195
SNP_P1_242823_26420	NW_004517044.1	Scaffold1976	26420	CC	TT	1940509197
SNP_P1_242824_26490	NW_004517044.1	Scaffold1976	26490	AA	GG	1940509199
SNP_P1_242825_27091	NW_004517044.1	Scaffold1976	27091	CC	TT	1940509202
SNP_P1_242826_27109	NW_004517044.1	Scaffold1976	27109	AA	GG	1940509204
SNP_P1_242827_27139	NW_004517044.1	Scaffold1976	27139	GG	AA	1940509206
SNP_P1_242828_27142	NW_004517044.1	Scaffold1976	27142	GG	AA	1940509208
SNP_P1_242829_27153	NW_004517044.1	Scaffold1976	27153	CC	TT	1940509210
SNP_P1_242830_27174	NW_004517044.1	Scaffold1976	27174	GG	TT	1940509212
SNP_P1_242831_27175	NW_004517044.1	Scaffold1976	27175	TT	CC	1940509214
SNP_P1_242832_27433	NW_004517044.1	Scaffold1976	27433	AA	TT	1940509216
SNP_P1_242833_28209	NW_004517044.1	Scaffold1976	28209	GG	AA	1940509218
SNP_P1_242834_28618	NW_004517044.1	Scaffold1976	28618	AA	GG	1940509221

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SNP_P1_242835_31168	NW_004517044.1	Scaffold1976	31168	AA	GG	1940509223
SNP_P1_242836_31214	NW_004517044.1	Scaffold1976	31214	AA	GG	1940509225
SNP_P1_242837_31270	NW_004517044.1	Scaffold1976	31270	TT	GG	1940509227
SNP_P1_242838_31612	NW_004517044.1	Scaffold1976	31612	GG	AA	1940509229
SNP_P1_242839_16604	NW_004517046.1	Scaffold1981	16604	GG	TT	1940509231
SNP_P1_242841_29900	NW_004517046.1	Scaffold1981	29900	TT	AA	1940509233
SNP_P1_242842_47940	NW_004517046.1	Scaffold1981	47940	TT	AA	1940509235
SNP_P1_242844_50679	NW_004517046.1	Scaffold1981	50679	AA	GG	1940509238
SNP_P1_242845_50824	NW_004517046.1	Scaffold1981	50824	CC	TT	1940509240
SNP_P1_242846_51297	NW_004517046.1	Scaffold1981	51297	TT	CC	1940509242
SNP_P1_242847_57556	NW_004517046.1	Scaffold1981	57556	CC	TT	1940509244
SNP_P1_242848_60214	NW_004517046.1	Scaffold1981	60214	AA	GG	1940509246
SNP_P1_242849_69035	NW_004517046.1	Scaffold1981	69035	TT	AA	1940509248
SNP_P1_242850_69042	NW_004517046.1	Scaffold1981	69042	TT	AA	1940509250
SNP_P1_242851_69061	NW_004517046.1	Scaffold1981	69061	CC	AA	1940509252
SNP_P1_242852_75033	NW_004517046.1	Scaffold1981	75033	AA	GG	1940509254
SNP_P1_242853_76127	NW_004517046.1	Scaffold1981	76127	CC	TT	1940509257
SNP_P1_242854_82710	NW_004517046.1	Scaffold1981	82710	AA	TT	1940509259
SNP_P1_242856_82732	NW_004517046.1	Scaffold1981	82732	TT	AA	1940509261
SNP_P1_242857_82774	NW_004517046.1	Scaffold1981	82774	AA	TT	1940509263
SNP_P1_242858_83085	NW_004517046.1	Scaffold1981	83085	CC	TT	1940509265
SNP_P1_242859_83147	NW_004517046.1	Scaffold1981	83147	GG	AA	1940509267
SNP_P1_242860_83160	NW_004517046.1	Scaffold1981	83160	TT	AA	1940509269
SNP_P1_242861_83161	NW_004517046.1	Scaffold1981	83161	TT	AA	1940509271
SNP_P1_242862_91284	NW_004517046.1	Scaffold1981	91284	AA	GG	1940509274
SNP_P1_242863_92100	NW_004517046.1	Scaffold1981	92100	TT	CC	1940509276
SNP_P1_242864_94371	NW_004517046.1	Scaffold1981	94371	TT	CC	1940509278
SNP_P1_242867_100200	NW_004517046.1	Scaffold1981	100200	GG	AA	1940509280
SNP_P1_242869_100621	NW_004517046.1	Scaffold1981	100621	GG	AA	1940509282
SNP_P1_242872_113452	NW_004517046.1	Scaffold1981	113452	GG	AA	1940509284
SNP_P1_242874_117404	NW_004517046.1	Scaffold1981	117404	TT	AA	1940509286
SNP_P1_242878_126051	NW_004517046.1	Scaffold1981	126051	CC	TT	1940509288
SNP_P1_242879_126083	NW_004517046.1	Scaffold1981	126083	CC	TT	1940509290
SNP_P1_242880_126117	NW_004517046.1	Scaffold1981	126117	TT	CC	1940509293
SNP_P1_242881_126422	NW_004517046.1	Scaffold1981	126422	AA	CC	1940509295
SNP_P1_242882_126430	NW_004517046.1	Scaffold1981	126430	CC	TT	1940509297
SNP_P1_242883_126475	NW_004517046.1	Scaffold1981	126475	TT	GG	1940509299
SNP_P1_242884_131434	NW_004517046.1	Scaffold1981	131434	TT	CC	1940509301
SNP_P1_242885_145999	NW_004517046.1	Scaffold1981	145999	TT	CC	1940509303
SNP_P1_242886_148952	NW_004517046.1	Scaffold1981	148952	GG	AA	1940509305
SNP_P1_242887_149229	NW_004517046.1	Scaffold1981	149229	GG	TT	1940509307
SNP_P1_242888_149249	NW_004517046.1	Scaffold1981	149249	TT	CC	1940509309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_242890_159080	NW_004517046.1	Scaffold1981	159080	AA	TT	1940509314
SNP_P1_242891_159267	NW_004517046.1	Scaffold1981	159267	AA	CC	1940509316
SNP_P1_242892_159315	NW_004517046.1	Scaffold1981	159315	AA	CC	1940509318
SNP_P1_242894_162652	NW_004517046.1	Scaffold1981	162652	AA	TT	1940509320
SNP_P1_242895_162963	NW_004517046.1	Scaffold1981	162963	GG	AA	1940509322
SNP_P1_242896_164922	NW_004517046.1	Scaffold1981	164922	CC	AA	1940509324
SNP_P1_242897_164958	NW_004517046.1	Scaffold1981	164958	CC	AA	1940509326
SNP_P1_242898_165695	NW_004517046.1	Scaffold1981	165695	TT	GG	1940509329
SNP_P1_242899_169812	NW_004517046.1	Scaffold1981	169812	AA	GG	1940509331
SNP_P1_242900_182639	NW_004517046.1	Scaffold1981	182639	TT	CC	1940509333
SNP_P1_242902_193531	NW_004517046.1	Scaffold1981	193531	TT	CC	1940509336
SNP_P1_242903_228028	NW_004517046.1	Scaffold1981	228028	TT	CC	1940509339
SNP_P1_242904_234468	NW_004517046.1	Scaffold1981	234468	GG	AA	1940509341
SNP_P1_242906_234688	NW_004517046.1	Scaffold1981	234688	TT	CC	1940509343
SNP_P1_242907_234918	NW_004517046.1	Scaffold1981	234918	AA	TT	1940509345
SNP_P1_242909_240669	NW_004517046.1	Scaffold1981	240669	AA	TT	1940509347
SNP_P1_242910_240890	NW_004517046.1	Scaffold1981	240890	TT	AA	1940509349
SNP_P1_242911_242067	NW_004517046.1	Scaffold1981	242067	TT	CC	1940509351
SNP_P1_242912_243116	NW_004517046.1	Scaffold1981	243116	TT	AA	1940509353
SNP_P1_242913_243491	NW_004517046.1	Scaffold1981	243491	GG	AA	1940509355
SNP_P1_242914_243578	NW_004517046.1	Scaffold1981	243578	CC	TT	1940509358
SNP_P1_242915_244294	NW_004517046.1	Scaffold1981	244294	TT	AA	1940509360
SNP_P1_242916_256030	NW_004517046.1	Scaffold1981	256030	TT	CC	1940509362
SNP_P1_242918_276691	NW_004517046.1	Scaffold1981	276691	AA	GG	1940509364
SNP_P1_242919_276725	NW_004517046.1	Scaffold1981	276725	GG	AA	1940509366
SNP_P1_242920_276741	NW_004517046.1	Scaffold1981	276741	GG	AA	1940509368
SNP_P1_242921_276788	NW_004517046.1	Scaffold1981	276788	AA	CC	1940509370
SNP_P1_242922_276814	NW_004517046.1	Scaffold1981	276814	TT	GG	1940509372
SNP_P1_242923_277055	NW_004517046.1	Scaffold1981	277055	GG	AA	1940509375
SNP_P1_242924_277095	NW_004517046.1	Scaffold1981	277095	TT	CC	1940509377
SNP_P1_242925_277133	NW_004517046.1	Scaffold1981	277133	TT	CC	1940509379
SNP_P1_242926_277372	NW_004517046.1	Scaffold1981	277372	GG	AA	1940509381
SNP_P1_242927_277982	NW_004517046.1	Scaffold1981	277982	TT	CC	1940509383
SNP_P1_242928_278006	NW_004517046.1	Scaffold1981	278006	TT	CC	1940509385
SNP_P1_242929_278010	NW_004517046.1	Scaffold1981	278010	AA	CC	1940509387
SNP_P1_242931_297069	NW_004517046.1	Scaffold1981	297069	AA	GG	1940509389
SNP_P1_242932_304137	NW_004517046.1	Scaffold1981	304137	GG	AA	1940509391
SNP_P1_242933_310315	NW_004517046.1	Scaffold1981	310315	GG	AA	1940509394
SNP_P1_242934_313094	NW_004517046.1	Scaffold1981	313094	CC	TT	1940509396
SNP_P1_242935_315312	NW_004517046.1	Scaffold1981	315312	GG	CC	1940509398
SNP_P1_242937_320612	NW_004517046.1	Scaffold1981	320612	GG	AA	1940509400

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_242938_320635	NW_004517046.1	Scaffold1981	320635	CC	TT	1940509402
SNP_P1_242939_320667	NW_004517046.1	Scaffold1981	320667	TT	CC	1940509404
SNP_P1_242940_320672	NW_004517046.1	Scaffold1981	320672	TT	CC	1940509406
SNP_P1_242941_320688	NW_004517046.1	Scaffold1981	320688	AA	GG	1940509408
SNP_P1_242942_320734	NW_004517046.1	Scaffold1981	320734	TT	GG	1940509411
SNP_P1_242943_320780	NW_004517046.1	Scaffold1981	320780	GG	AA	1940509413
SNP_P1_242944_320831	NW_004517046.1	Scaffold1981	320831	AA	GG	1940509415
SNP_P1_242945_320933	NW_004517046.1	Scaffold1981	320933	TT	CC	1940509417
SNP_P1_242946_320942	NW_004517046.1	Scaffold1981	320942	AA	GG	1940509419
SNP_P1_242947_320958	NW_004517046.1	Scaffold1981	320958	CC	TT	1940509421
SNP_P1_242948_321072	NW_004517046.1	Scaffold1981	321072	GG	AA	1940509423
SNP_P1_242949_322133	NW_004517046.1	Scaffold1981	322133	TT	AA	1940509425
SNP_P1_242950_325436	NW_004517046.1	Scaffold1981	325436	GG	TT	1940509428
SNP_P1_242952_335575	NW_004517046.1	Scaffold1981	335575	GG	AA	1940509430
SNP_P1_242953_335586	NW_004517046.1	Scaffold1981	335586	AA	GG	1940509432
SNP_P1_242955_335880	NW_004517046.1	Scaffold1981	335880	TT	GG	1940509434
SNP_P1_242956_336033	NW_004517046.1	Scaffold1981	336033	AA	TT	1940509436
SNP_P1_242957_336037	NW_004517046.1	Scaffold1981	336037	TT	CC	1940509438
SNP_P1_242958_336040	NW_004517046.1	Scaffold1981	336040	TT	CC	1940509440
SNP_P1_242959_336048	NW_004517046.1	Scaffold1981	336048	AA	GG	1940509442
SNP_P1_242960_336849	NW_004517046.1	Scaffold1981	336849	GG	AA	1940509444
SNP_P1_242961_336862	NW_004517046.1	Scaffold1981	336862	GG	AA	1940509446
SNP_P1_242962_336873	NW_004517046.1	Scaffold1981	336873	CC	GG	1940509448
SNP_P1_242963_336875	NW_004517046.1	Scaffold1981	336875	AA	GG	1940509450
SNP_P1_242965_337455	NW_004517046.1	Scaffold1981	337455	TT	CC	1940509453
SNP_P1_242966_337781	NW_004517046.1	Scaffold1981	337781	CC	AA	1940509455
SNP_P1_242967_338978	NW_004517046.1	Scaffold1981	338978	CC	TT	1940509457
SNP_P1_242968_340616	NW_004517046.1	Scaffold1981	340616	AA	GG	1940509459
SNP_P1_242969_340735	NW_004517046.1	Scaffold1981	340735	GG	AA	1940509461
SNP_P1_242970_340835	NW_004517046.1	Scaffold1981	340835	TT	AA	1940509463
SNP_P1_242971_341032	NW_004517046.1	Scaffold1981	341032	CC	TT	1940509465
SNP_P1_242972_341140	NW_004517046.1	Scaffold1981	341140	AA	TT	1940509467
SNP_P1_242974_341662	NW_004517046.1	Scaffold1981	341662	CC	GG	1940509469
SNP_P1_242975_341678	NW_004517046.1	Scaffold1981	341678	GG	AA	1940509471
SNP_P1_242976_341692	NW_004517046.1	Scaffold1981	341692	CC	AA	1940509473
SNP_P1_242977_341703	NW_004517046.1	Scaffold1981	341703	AA	GG	1940509476
SNP_P1_242978_341947	NW_004517046.1	Scaffold1981	341947	TT	CC	1940509478
SNP_P1_242979_342113	NW_004517046.1	Scaffold1981	342113	CC	TT	1940509480
SNP_P1_242981_343612	NW_004517046.1	Scaffold1981	343612	TT	CC	1940509482
SNP_P1_242982_343876	NW_004517046.1	Scaffold1981	343876	AA	GG	1940509484
SNP_P1_242983_344138	NW_004517046.1	Scaffold1981	344138	CC	TT	1940509486
SNP_P1_242984_344246	NW_004517046.1	Scaffold1981	344246	AA	GG	1940509488

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_242986_345022	NW_004517046.1	Scaffold1981	345022	AA	GG	1940509493
SNP_P1_242988_345356	NW_004517046.1	Scaffold1981	345356	AA	TT	1940509495
SNP_P1_242989_347363	NW_004517046.1	Scaffold1981	347363	CC	GG	1940509497
SNP_P1_242991_347995	NW_004517046.1	Scaffold1981	347995	AA	TT	1940509499
SNP_P1_242992_347996	NW_004517046.1	Scaffold1981	347996	AA	TT	1940509501
SNP_P1_242993_348178	NW_004517046.1	Scaffold1981	348178	AA	TT	1940509503
SNP_P1_242994_348203	NW_004517046.1	Scaffold1981	348203	AA	CC	1940509505
SNP_P1_242995_348555	NW_004517046.1	Scaffold1981	348555	GG	AA	1940509507
SNP_P1_242996_348576	NW_004517046.1	Scaffold1981	348576	AA	TT	1940509510
SNP_P1_242997_348923	NW_004517046.1	Scaffold1981	348923	TT	CC	1940509512
SNP_P1_242999_349213	NW_004517046.1	Scaffold1981	349213	TT	CC	1940509514
SNP_P1_243000_349229	NW_004517046.1	Scaffold1981	349229	TT	AA	1940509516
SNP_P1_243001_349253	NW_004517046.1	Scaffold1981	349253	CC	GG	1940509518
SNP_P1_243002_349263	NW_004517046.1	Scaffold1981	349263	AA	GG	1940509520
SNP_P1_243003_349308	NW_004517046.1	Scaffold1981	349308	CC	TT	1940509523
SNP_P1_243004_349342	NW_004517046.1	Scaffold1981	349342	GG	AA	1940509525
SNP_P1_243006_351095	NW_004517046.1	Scaffold1981	351095	AA	GG	1940509527
SNP_P1_243007_351107	NW_004517046.1	Scaffold1981	351107	CC	TT	1940509529
SNP_P1_243008_351121	NW_004517046.1	Scaffold1981	351121	GG	AA	1940509531
SNP_P1_243010_351525	NW_004517046.1	Scaffold1981	351525	GG	AA	1940509533
SNP_P1_243011_351809	NW_004517046.1	Scaffold1981	351809	AA	TT	1940509535
SNP_P1_243012_352031	NW_004517046.1	Scaffold1981	352031	GG	AA	1940509537
SNP_P1_243013_352035	NW_004517046.1	Scaffold1981	352035	TT	AA	1940509540
SNP_P1_243014_352130	NW_004517046.1	Scaffold1981	352130	TT	AA	1940509542
SNP_P1_243016_355139	NW_004517046.1	Scaffold1981	355139	TT	GG	1940509544
SNP_P1_243017_355286	NW_004517046.1	Scaffold1981	355286	TT	CC	1940509546
SNP_P1_243018_355336	NW_004517046.1	Scaffold1981	355336	GG	AA	1940509548
SNP_P1_243020_355462	NW_004517046.1	Scaffold1981	355462	AA	TT	1940509550
SNP_P1_243021_355798	NW_004517046.1	Scaffold1981	355798	AA	TT	1940509552
SNP_P1_243022_355807	NW_004517046.1	Scaffold1981	355807	AA	GG	1940509554
SNP_P1_243023_355878	NW_004517046.1	Scaffold1981	355878	TT	CC	1940509556
SNP_P1_243024_355881	NW_004517046.1	Scaffold1981	355881	AA	GG	1940509559
SNP_P1_243025_355899	NW_004517046.1	Scaffold1981	355899	GG	AA	1940509561
SNP_P1_243026_355937	NW_004517046.1	Scaffold1981	355937	TT	CC	1940509563
SNP_P1_243027_356967	NW_004517046.1	Scaffold1981	356967	CC	AA	1940509565
SNP_P1_243028_356968	NW_004517046.1	Scaffold1981	356968	TT	CC	1940509567
SNP_P1_243029_356979	NW_004517046.1	Scaffold1981	356979	CC	AA	1940509569
SNP_P1_243030_356989	NW_004517046.1	Scaffold1981	356989	CC	TT	1940509571
SNP_P1_243031_357001	NW_004517046.1	Scaffold1981	357001	CC	AA	1940509573
SNP_P1_243032_357128	NW_004517046.1	Scaffold1981	357128	AA	TT	1940509576
SNP_P1_243033_357253	NW_004517046.1	Scaffold1981	357253	GG	TT	1940509578

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243035_357405	NW_004517046.1	Scaffold1981	357405	AA	TT	1940509582
SNP_P1_243036_357413	NW_004517046.1	Scaffold1981	357413	AA	TT	1940509584
SNP_P1_243037_357524	NW_004517046.1	Scaffold1981	357524	CC	TT	1940509586
SNP_P1_243038_357561	NW_004517046.1	Scaffold1981	357561	CC	GG	1940509588
SNP_P1_243039_357594	NW_004517046.1	Scaffold1981	357594	GG	TT	1940509590
SNP_P1_243040_357614	NW_004517046.1	Scaffold1981	357614	CC	TT	1940509593
SNP_P1_243042_357714	NW_004517046.1	Scaffold1981	357714	GG	TT	1940509595
SNP_P1_243044_357739	NW_004517046.1	Scaffold1981	357739	AA	GG	1940509597
SNP_P1_243045_357777	NW_004517046.1	Scaffold1981	357777	CC	TT	1940509599
SNP_P1_243046_357824	NW_004517046.1	Scaffold1981	357824	TT	AA	1940509601
SNP_P1_243049_358049	NW_004517046.1	Scaffold1981	358049	AA	GG	1940509603
SNP_P1_243052_358494	NW_004517046.1	Scaffold1981	358494	CC	AA	1940509605
SNP_P1_243053_358540	NW_004517046.1	Scaffold1981	358540	CC	TT	1940509607
SNP_P1_243054_358563	NW_004517046.1	Scaffold1981	358563	TT	GG	1940509610
SNP_P1_243055_358960	NW_004517046.1	Scaffold1981	358960	TT	GG	1940509612
SNP_P1_243056_358961	NW_004517046.1	Scaffold1981	358961	AA	TT	1940509614
SNP_P1_243057_359227	NW_004517046.1	Scaffold1981	359227	AA	GG	1940509616
SNP_P1_243058_359269	NW_004517046.1	Scaffold1981	359269	AA	CC	1940509618
SNP_P1_243059_359360	NW_004517046.1	Scaffold1981	359360	CC	TT	1940509620
SNP_P1_243061_359737	NW_004517046.1	Scaffold1981	359737	TT	GG	1940509622
SNP_P1_243062_359745	NW_004517046.1	Scaffold1981	359745	TT	GG	1940509624
SNP_P1_243063_360135	NW_004517046.1	Scaffold1981	360135	CC	TT	1940509626
SNP_P1_243064_360206	NW_004517046.1	Scaffold1981	360206	GG	AA	1940509629
SNP_P1_243065_360208	NW_004517046.1	Scaffold1981	360208	AA	GG	1940509631
SNP_P1_243066_360211	NW_004517046.1	Scaffold1981	360211	CC	TT	1940509633
SNP_P1_243067_360213	NW_004517046.1	Scaffold1981	360213	TT	CC	1940509635
SNP_P1_243068_360223	NW_004517046.1	Scaffold1981	360223	CC	TT	1940509637
SNP_P1_243069_360364	NW_004517046.1	Scaffold1981	360364	CC	TT	1940509639
SNP_P1_243070_360593	NW_004517046.1	Scaffold1981	360593	TT	CC	1940509641
SNP_P1_243072_362190	NW_004517046.1	Scaffold1981	362190	CC	GG	1940509643
SNP_P1_243073_362193	NW_004517046.1	Scaffold1981	362193	TT	AA	1940509645
SNP_P1_243074_362664	NW_004517046.1	Scaffold1981	362664	TT	GG	1940509647
SNP_P1_243075_362673	NW_004517046.1	Scaffold1981	362673	CC	TT	1940509649
SNP_P1_243076_362739	NW_004517046.1	Scaffold1981	362739	TT	CC	1940509651
SNP_P1_243077_362815	NW_004517046.1	Scaffold1981	362815	CC	TT	1940509653
SNP_P1_243078_362819	NW_004517046.1	Scaffold1981	362819	AA	GG	1940509656
SNP_P1_243079_362824	NW_004517046.1	Scaffold1981	362824	AA	GG	1940509658
SNP_P1_243080_363139	NW_004517046.1	Scaffold1981	363139	CC	AA	1940509660
SNP_P1_243081_365281	NW_004517046.1	Scaffold1981	365281	TT	CC	1940509662
SNP_P1_243082_366206	NW_004517046.1	Scaffold1981	366206	TT	CC	1940509664
SNP_P1_243083_366460	NW_004517046.1	Scaffold1981	366460	GG	AA	1940509666

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243086_368007	NW_004517046.1	Scaffold1981	368007	TT	CC	1940509670
SNP_P1_243087_368863	NW_004517046.1	Scaffold1981	368863	AA	GG	1940509673
SNP_P1_243088_368883	NW_004517046.1	Scaffold1981	368883	CC	AA	1940509675
SNP_P1_243089_368922	NW_004517046.1	Scaffold1981	368922	TT	AA	1940509677
SNP_P1_243090_369312	NW_004517046.1	Scaffold1981	369312	GG	AA	1940509679
SNP_P1_243092_369440	NW_004517046.1	Scaffold1981	369440	GG	AA	1940509681
SNP_P1_243094_370347	NW_004517046.1	Scaffold1981	370347	GG	TT	1940509683
SNP_P1_243096_370566	NW_004517046.1	Scaffold1981	370566	CC	TT	1940509685
SNP_P1_243097_370587	NW_004517046.1	Scaffold1981	370587	AA	CC	1940509687
SNP_P1_243098_370688	NW_004517046.1	Scaffold1981	370688	AA	TT	1940509690
SNP_P1_243100_370748	NW_004517046.1	Scaffold1981	370748	GG	AA	1940509693
SNP_P1_243101_370752	NW_004517046.1	Scaffold1981	370752	TT	CC	1940509695
SNP_P1_243102_370756	NW_004517046.1	Scaffold1981	370756	AA	TT	1940509697
SNP_P1_243103_370983	NW_004517046.1	Scaffold1981	370983	TT	AA	1940509699
SNP_P1_243104_370991	NW_004517046.1	Scaffold1981	370991	CC	TT	1940509701
SNP_P1_243105_371393	NW_004517046.1	Scaffold1981	371393	GG	AA	1940509702
SNP_P1_243106_371421	NW_004517046.1	Scaffold1981	371421	TT	CC	1940509705
SNP_P1_243109_371685	NW_004517046.1	Scaffold1981	371685	CC	TT	1940509707
SNP_P1_243110_371958	NW_004517046.1	Scaffold1981	371958	TT	AA	1940509709
SNP_P1_243111_371989	NW_004517046.1	Scaffold1981	371989	CC	AA	1940509711
SNP_P1_243112_371992	NW_004517046.1	Scaffold1981	371992	TT	GG	1940509713
SNP_P1_243113_371998	NW_004517046.1	Scaffold1981	371998	GG	AA	1940509715
SNP_P1_243114_372303	NW_004517046.1	Scaffold1981	372303	AA	GG	1940509717
SNP_P1_243115_372378	NW_004517046.1	Scaffold1981	372378	GG	AA	1940509719
SNP_P1_243116_372418	NW_004517046.1	Scaffold1981	372418	CC	GG	1940509721
SNP_P1_243117_372419	NW_004517046.1	Scaffold1981	372419	GG	AA	1940509724
SNP_P1_243118_372630	NW_004517046.1	Scaffold1981	372630	CC	AA	1940509726
SNP_P1_243119_372688	NW_004517046.1	Scaffold1981	372688	CC	AA	1940509728
SNP_P1_243120_372691	NW_004517046.1	Scaffold1981	372691	GG	AA	1940509730
SNP_P1_243122_374988	NW_004517046.1	Scaffold1981	374988	CC	TT	1940509732
SNP_P1_243123_375016	NW_004517046.1	Scaffold1981	375016	AA	GG	1940509734
SNP_P1_243124_375018	NW_004517046.1	Scaffold1981	375018	TT	CC	1940509736
SNP_P1_243125_375027	NW_004517046.1	Scaffold1981	375027	TT	CC	1940509738
SNP_P1_243126_375033	NW_004517046.1	Scaffold1981	375033	CC	TT	1940509741
SNP_P1_243127_375508	NW_004517046.1	Scaffold1981	375508	AA	TT	1940509743
SNP_P1_243128_375509	NW_004517046.1	Scaffold1981	375509	GG	TT	1940509745
SNP_P1_243129_375510	NW_004517046.1	Scaffold1981	375510	AA	TT	1940509747
SNP_P1_243130_375969	NW_004517046.1	Scaffold1981	375969	AA	GG	1940509749
SNP_P1_243131_375972	NW_004517046.1	Scaffold1981	375972	AA	GG	1940509751
SNP_P1_243132_376093	NW_004517046.1	Scaffold1981	376093	GG	AA	1940509753
SNP_P1_243133_376100	NW_004517046.1	Scaffold1981	376100	CC	AA	1940509755

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243136_376170	NW_004517046.1	Scaffold1981	376170	AA	GG	1940509762
SNP_P1_243138_376270	NW_004517046.1	Scaffold1981	376270	TT	CC	1940509764
SNP_P1_243139_376287	NW_004517046.1	Scaffold1981	376287	TT	CC	1940509766
SNP_P1_243140_376291	NW_004517046.1	Scaffold1981	376291	CC	TT	1940509768
SNP_P1_243141_377027	NW_004517046.1	Scaffold1981	377027	GG	CC	1940509770
SNP_P1_243142_377093	NW_004517046.1	Scaffold1981	377093	AA	GG	1940509772
SNP_P1_243143_377922	NW_004517046.1	Scaffold1981	377922	AA	GG	1940509774
SNP_P1_243144_377937	NW_004517046.1	Scaffold1981	377937	CC	GG	1940509776
SNP_P1_243145_378296	NW_004517046.1	Scaffold1981	378296	TT	GG	1940509777
SNP_P1_243146_378579	NW_004517046.1	Scaffold1981	378579	GG	TT	1940509778
SNP_P1_243147_378595	NW_004517046.1	Scaffold1981	378595	GG	AA	1940509781
SNP_P1_243148_378603	NW_004517046.1	Scaffold1981	378603	CC	TT	1940509783
SNP_P1_243149_378654	NW_004517046.1	Scaffold1981	378654	GG	AA	1940509785
SNP_P1_243151_381105	NW_004517046.1	Scaffold1981	381105	TT	CC	1940509787
SNP_P1_243152_385947	NW_004517046.1	Scaffold1981	385947	CC	TT	1940509789
SNP_P1_243153_386671	NW_004517046.1	Scaffold1981	386671	TT	CC	1940509791
SNP_P1_243154_387273	NW_004517046.1	Scaffold1981	387273	CC	TT	1940509793
SNP_P1_243155_387523	NW_004517046.1	Scaffold1981	387523	CC	TT	1940509795
SNP_P1_243156_388432	NW_004517046.1	Scaffold1981	388432	GG	CC	1940509798
SNP_P1_243157_390240	NW_004517046.1	Scaffold1981	390240	GG	CC	1940509800
SNP_P1_243158_390316	NW_004517046.1	Scaffold1981	390316	GG	TT	1940509802
SNP_P1_243159_390453	NW_004517046.1	Scaffold1981	390453	CC	TT	1940509804
SNP_P1_243160_390797	NW_004517046.1	Scaffold1981	390797	AA	CC	1940509806
SNP_P1_243161_390807	NW_004517046.1	Scaffold1981	390807	CC	TT	1940509808
SNP_P1_243162_391159	NW_004517046.1	Scaffold1981	391159	CC	TT	1940509810
SNP_P1_243163_392999	NW_004517046.1	Scaffold1981	392999	TT	CC	1940509812
SNP_P1_243165_393560	NW_004517046.1	Scaffold1981	393560	TT	CC	1940509815
SNP_P1_243166_393675	NW_004517046.1	Scaffold1981	393675	CC	TT	1940509817
SNP_P1_243167_393676	NW_004517046.1	Scaffold1981	393676	TT	GG	1940509819
SNP_P1_243168_393678	NW_004517046.1	Scaffold1981	393678	CC	AA	1940509821
SNP_P1_243169_393765	NW_004517046.1	Scaffold1981	393765	TT	GG	1940509823
SNP_P1_243170_395241	NW_004517046.1	Scaffold1981	395241	AA	GG	1940509825
SNP_P1_243171_399932	NW_004517046.1	Scaffold1981	399932	AA	TT	1940509827
SNP_P1_243172_401141	NW_004517046.1	Scaffold1981	401141	GG	AA	1940509829
SNP_P1_243173_401178	NW_004517046.1	Scaffold1981	401178	TT	CC	1940509831
SNP_P1_243174_401186	NW_004517046.1	Scaffold1981	401186	TT	CC	1940509834
SNP_P1_243175_401894	NW_004517046.1	Scaffold1981	401894	AA	GG	1940509836
SNP_P1_243176_402246	NW_004517046.1	Scaffold1981	402246	AA	CC	1940509838
SNP_P1_243177_405586	NW_004517046.1	Scaffold1981	405586	AA	CC	1940509840
SNP_P1_243178_405624	NW_004517046.1	Scaffold1981	405624	AA	CC	1940509842

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_243179_406502	NW_004517046.1	Scaffold1981	406502	AA	GG	1940509844
SNP_P1_243180_406517	NW_004517046.1	Scaffold1981	406517	GG	TT	1940509846
SNP_P1_243181_407276	NW_004517046.1	Scaffold1981	407276	CC	TT	1940509848
SNP_P1_243183_408456	NW_004517046.1	Scaffold1981	408456	AA	GG	1940509851
SNP_P1_243184_408457	NW_004517046.1	Scaffold1981	408457	AA	TT	1940509853
SNP_P1_243185_408460	NW_004517046.1	Scaffold1981	408460	TT	AA	1940509855
SNP_P1_243186_408823	NW_004517046.1	Scaffold1981	408823	AA	GG	1940509857
SNP_P1_243187_411262	NW_004517046.1	Scaffold1981	411262	AA	GG	1940509859
SNP_P1_243188_411492	NW_004517046.1	Scaffold1981	411492	CC	TT	1940509861
SNP_P1_243189_411501	NW_004517046.1	Scaffold1981	411501	GG	AA	1940509863
SNP_P1_243190_411506	NW_004517046.1	Scaffold1981	411506	AA	GG	1940509865
SNP_P1_243191_411712	NW_004517046.1	Scaffold1981	411712	TT	GG	1940509868
SNP_P1_243192_411768	NW_004517046.1	Scaffold1981	411768	CC	TT	1940509870
SNP_P1_243195_415749	NW_004517046.1	Scaffold1981	415749	AA	GG	1940509872
SNP_P1_243196_415755	NW_004517046.1	Scaffold1981	415755	CC	TT	1940509874
SNP_P1_243197_415856	NW_004517046.1	Scaffold1981	415856	AA	GG	1940509876
SNP_P1_243198_416017	NW_004517046.1	Scaffold1981	416017	CC	TT	1940509878
SNP_P1_243199_416381	NW_004517046.1	Scaffold1981	416381	TT	CC	1940509880
SNP_P1_243200_416414	NW_004517046.1	Scaffold1981	416414	GG	AA	1940509882
SNP_P1_243201_416419	NW_004517046.1	Scaffold1981	416419	GG	AA	1940509884
SNP_P1_243202_416420	NW_004517046.1	Scaffold1981	416420	CC	TT	1940509886
SNP_P1_243203_418427	NW_004517046.1	Scaffold1981	418427	TT	CC	1940509889
SNP_P1_243204_418695	NW_004517046.1	Scaffold1981	418695	AA	GG	1940509891
SNP_P1_243205_418781	NW_004517046.1	Scaffold1981	418781	GG	AA	1940509893
SNP_P1_243206_418805	NW_004517046.1	Scaffold1981	418805	CC	TT	1940509895
SNP_P1_243208_419357	NW_004517046.1	Scaffold1981	419357	CC	AA	1940509897
SNP_P1_243209_419379	NW_004517046.1	Scaffold1981	419379	TT	AA	1940509899
SNP_P1_243211_419653	NW_004517046.1	Scaffold1981	419653	TT	CC	1940509901
SNP_P1_243213_419700	NW_004517046.1	Scaffold1981	419700	TT	CC	1940509903
SNP_P1_243214_420104	NW_004517046.1	Scaffold1981	420104	CC	TT	1940509905
SNP_P1_243215_420109	NW_004517046.1	Scaffold1981	420109	AA	TT	1940509908
SNP_P1_243216_420463	NW_004517046.1	Scaffold1981	420463	AA	GG	1940509910
SNP_P1_243217_420784	NW_004517046.1	Scaffold1981	420784	GG	AA	1940509912
SNP_P1_243218_420965	NW_004517046.1	Scaffold1981	420965	TT	AA	1940509914
SNP_P1_243219_420966	NW_004517046.1	Scaffold1981	420966	TT	AA	1940509916
SNP_P1_243220_420978	NW_004517046.1	Scaffold1981	420978	TT	AA	1940509918
SNP_P1_243222_421322	NW_004517046.1	Scaffold1981	421322	AA	TT	1940509920
SNP_P1_243223_421329	NW_004517046.1	Scaffold1981	421329	TT	CC	1940509922
SNP_P1_243224_421330	NW_004517046.1	Scaffold1981	421330	CC	TT	1940509924
SNP_P1_243227_421717	NW_004517046.1	Scaffold1981	421717	AA	GG	1940509927
SNP_P1_243228_422735	NW_004517046.1	Scaffold1981	422735	AA	GG	1940509929
SNP_P1_243229_422767	NW_004517046.1	Scaffold1981	422767	AA	GG	1940509931

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243232_423078	NW_004517046.1	Scaffold1981	423078	GG	AA	1940509937
SNP_P1_243233_423096	NW_004517046.1	Scaffold1981	423096	TT	CC	1940509939
SNP_P1_243234_423103	NW_004517046.1	Scaffold1981	423103	AA	GG	1940509941
SNP_P1_243235_423126	NW_004517046.1	Scaffold1981	423126	GG	TT	1940509944
SNP_P1_243237_431458	NW_004517046.1	Scaffold1981	431458	AA	TT	1940509946
SNP_P1_243238_431472	NW_004517046.1	Scaffold1981	431472	GG	AA	1940509948
SNP_P1_243239_5246	NW_004517048.1	Scaffold1983	5246	GG	CC	1940509950
SNP_P1_243242_29059	NW_004517048.1	Scaffold1983	29059	TT	GG	1940509952
SNP_P1_243243_34126	NW_004517048.1	Scaffold1983	34126	AA	GG	1940509954
SNP_P1_243244_34215	NW_004517048.1	Scaffold1983	34215	GG	AA	1940509956
SNP_P1_243245_34553	NW_004517048.1	Scaffold1983	34553	TT	CC	1940509958
SNP_P1_243246_35004	NW_004517048.1	Scaffold1983	35004	CC	TT	1940509960
SNP_P1_243247_38104	NW_004517048.1	Scaffold1983	38104	AA	GG	1940509963
SNP_P1_243248_39741	NW_004517048.1	Scaffold1983	39741	CC	AA	1940509965
SNP_P1_243249_47917	NW_004517048.1	Scaffold1983	47917	AA	GG	1940509967
SNP_P1_243250_48137	NW_004517048.1	Scaffold1983	48137	TT	AA	1940509969
SNP_P1_243251_48224	NW_004517048.1	Scaffold1983	48224	TT	CC	1940509971
SNP_P1_243252_48276	NW_004517048.1	Scaffold1983	48276	CC	TT	1940509973
SNP_P1_243253_48293	NW_004517048.1	Scaffold1983	48293	AA	GG	1940509975
SNP_P1_243254_55387	NW_004517048.1	Scaffold1983	55387	TT	AA	1940509977
SNP_P1_243255_55395	NW_004517048.1	Scaffold1983	55395	TT	GG	1940509980
SNP_P1_243256_60958	NW_004517048.1	Scaffold1983	60958	AA	TT	1940509982
SNP_P1_243257_62770	NW_004517048.1	Scaffold1983	62770	TT	AA	1940509984
SNP_P1_243258_62806	NW_004517048.1	Scaffold1983	62806	AA	GG	1940509986
SNP_P1_243259_62824	NW_004517048.1	Scaffold1983	62824	TT	CC	1940509988
SNP_P1_243261_63409	NW_004517048.1	Scaffold1983	63409	TT	AA	1940509990
SNP_P1_243262_63502	NW_004517048.1	Scaffold1983	63502	TT	AA	1940509992
SNP_P1_243263_63708	NW_004517048.1	Scaffold1983	63708	GG	TT	1940509994
SNP_P1_243264_63731	NW_004517048.1	Scaffold1983	63731	TT	AA	1940509997
SNP_P1_243265_9988	NW_004517049.1	Scaffold1984	9988	TT	CC	1940509999
SNP_P1_243266_19550	NW_004517049.1	Scaffold1984	19550	GG	AA	1940510001
SNP_P1_243267_30958	NW_004517049.1	Scaffold1984	30958	TT	GG	1940510003
SNP_P1_243268_31252	NW_004517049.1	Scaffold1984	31252	CC	AA	1940510005
SNP_P1_243269_31291	NW_004517049.1	Scaffold1984	31291	TT	CC	1940510007
SNP_P1_243270_55003	NW_004517049.1	Scaffold1984	55003	TT	AA	1940510009
SNP_P1_243271_62914	NW_004517049.1	Scaffold1984	62914	CC	TT	1940510012
SNP_P1_243272_63840	NW_004517049.1	Scaffold1984	63840	CC	TT	1940510014
SNP_P1_243273_68422	NW_004517049.1	Scaffold1984	68422	AA	GG	1940510016
SNP_P1_243274_88337	NW_004517049.1	Scaffold1984	88337	GG	TT	1940510018
SNP_P1_243275_88473	NW_004517049.1	Scaffold1984	88473	AA	GG	1940510020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243277_96540	NW_004517049.1	Scaffold1984	96540	CC	TT	1940510025
SNP_P1_243278_96555	NW_004517049.1	Scaffold1984	96555	TT	GG	1940510027
SNP_P1_243279_96575	NW_004517049.1	Scaffold1984	96575	CC	TT	1940510029
SNP_P1_243282_133602	NW_004517049.1	Scaffold1984	133602	AA	GG	1940510031
SNP_P1_243283_133615	NW_004517049.1	Scaffold1984	133615	GG	AA	1940510033
SNP_P1_243284_133630	NW_004517049.1	Scaffold1984	133630	CC	TT	1940510035
SNP_P1_243285_133631	NW_004517049.1	Scaffold1984	133631	CC	AA	1940510037
SNP_P1_243286_133632	NW_004517049.1	Scaffold1984	133632	TT	CC	1940510040
SNP_P1_243287_135980	NW_004517049.1	Scaffold1984	135980	TT	CC	1940510042
SNP_P1_243288_136048	NW_004517049.1	Scaffold1984	136048	GG	AA	1940510044
SNP_P1_243289_136144	NW_004517049.1	Scaffold1984	136144	AA	TT	1940510046
SNP_P1_243290_138095	NW_004517049.1	Scaffold1984	138095	AA	GG	1940510048
SNP_P1_243291_138110	NW_004517049.1	Scaffold1984	138110	TT	CC	1940510050
SNP_P1_243292_142735	NW_004517049.1	Scaffold1984	142735	CC	TT	1940510052
SNP_P1_243293_142738	NW_004517049.1	Scaffold1984	142738	CC	TT	1940510054
SNP_P1_243294_166174	NW_004517049.1	Scaffold1984	166174	GG	TT	1940510057
SNP_P1_243295_166176	NW_004517049.1	Scaffold1984	166176	TT	CC	1940510059
SNP_P1_243296_166177	NW_004517049.1	Scaffold1984	166177	GG	CC	1940510061
SNP_P1_243297_171905	NW_004517049.1	Scaffold1984	171905	GG	AA	1940510063
SNP_P1_243298_171935	NW_004517049.1	Scaffold1984	171935	GG	AA	1940510065
SNP_P1_243299_172426	NW_004517049.1	Scaffold1984	172426	GG	CC	1940510067
SNP_P1_243300_172470	NW_004517049.1	Scaffold1984	172470	TT	GG	1940510069
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SNP_P1_243303_186927	NW_004517049.1	Scaffold1984	186927	GG	AA	1940510074
SNP_P1_243304_237150	NW_004517049.1	Scaffold1984	237150	TT	AA	1940510076
SNP_P1_243305_243882	NW_004517049.1	Scaffold1984	243882	TT	GG	1940510078
SNP_P1_243306_243891	NW_004517049.1	Scaffold1984	243891	AA	TT	1940510080
SNP_P1_243307_243949	NW_004517049.1	Scaffold1984	243949	TT	GG	1940510082
SNP_P1_243308_243972	NW_004517049.1	Scaffold1984	243972	GG	TT	1940510084
SNP_P1_243309_243997	NW_004517049.1	Scaffold1984	243997	AA	GG	1940510086
SNP_P1_243310_244006	NW_004517049.1	Scaffold1984	244006	TT	GG	1940510089
SNP_P1_243311_244125	NW_004517049.1	Scaffold1984	244125	TT	AA	1940510091
SNP_P1_243312_244297	NW_004517049.1	Scaffold1984	244297	TT	CC	1940510093
SNP_P1_243313_244344	NW_004517049.1	Scaffold1984	244344	TT	GG	1940510095
SNP_P1_243314_244382	NW_004517049.1	Scaffold1984	244382	AA	GG	1940510097
SNP_P1_243315_244461	NW_004517049.1	Scaffold1984	244461	AA	GG	1940510099
SNP_P1_243316_244511	NW_004517049.1	Scaffold1984	244511	AA	GG	1940510101
SNP_P1_243317_244513	NW_004517049.1	Scaffold1984	244513	AA	GG	1940510103
SNP_P1_243318_244526	NW_004517049.1	Scaffold1984	244526	TT	GG	1940510106
SNP_P1_243319_247046	NW_004517049.1	Scaffold1984	247046	GG	AA	1940510108
SNP_P1_243321_251618	NW_004517049.1	Scaffold1984	251618	CC	GG	1940510110

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243323_251651	NW_004517049.1	Scaffold1984	251651	TT	CC	1940510114
SNP_P1_243324_251714	NW_004517049.1	Scaffold1984	251714	CC	GG	1940510116
SNP_P1_243325_251798	NW_004517049.1	Scaffold1984	251798	AA	GG	1940510118
SNP_P1_243326_251801	NW_004517049.1	Scaffold1984	251801	CC	TT	1940510121
SNP_P1_243327_251978	NW_004517049.1	Scaffold1984	251978	AA	CC	1940510123
SNP_P1_243328_252033	NW_004517049.1	Scaffold1984	252033	GG	AA	1940510125
SNP_P1_243329_253206	NW_004517049.1	Scaffold1984	253206	TT	GG	1940510127
SNP_P1_243330_253263	NW_004517049.1	Scaffold1984	253263	GG	AA	1940510129
SNP_P1_243331_253317	NW_004517049.1	Scaffold1984	253317	AA	GG	1940510131
SNP_P1_243332_253565	NW_004517049.1	Scaffold1984	253565	TT	AA	1940510133
SNP_P1_243333_253667	NW_004517049.1	Scaffold1984	253667	CC	TT	1940510135
SNP_P1_243334_253706	NW_004517049.1	Scaffold1984	253706	AA	GG	1940510137
SNP_P1_243335_253837	NW_004517049.1	Scaffold1984	253837	GG	CC	1940510140
SNP_P1_243336_255335	NW_004517049.1	Scaffold1984	255335	TT	CC	1940510142
SNP_P1_243337_255453	NW_004517049.1	Scaffold1984	255453	AA	GG	1940510144
SNP_P1_243338_255517	NW_004517049.1	Scaffold1984	255517	CC	TT	1940510146
SNP_P1_243339_255673	NW_004517049.1	Scaffold1984	255673	AA	GG	1940510148
SNP_P1_243340_255682	NW_004517049.1	Scaffold1984	255682	TT	GG	1940510150
SNP_P1_243341_255706	NW_004517049.1	Scaffold1984	255706	AA	CC	1940510152
SNP_P1_243342_255749	NW_004517049.1	Scaffold1984	255749	TT	CC	1940510154
SNP_P1_243343_265024	NW_004517049.1	Scaffold1984	265024	GG	TT	1940510156
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SNP_P1_243345_276243	NW_004517049.1	Scaffold1984	276243	CC	TT	1940510161
SNP_P1_243346_284010	NW_004517049.1	Scaffold1984	284010	GG	AA	1940510163
SNP_P1_243347_284011	NW_004517049.1	Scaffold1984	284011	AA	TT	1940510165
SNP_P1_243348_284017	NW_004517049.1	Scaffold1984	284017	TT	CC	1940510167
SNP_P1_243351_322872	NW_004517049.1	Scaffold1984	322872	GG	AA	1940510169
SNP_P1_243352_323144	NW_004517049.1	Scaffold1984	323144	TT	AA	1940510171
SNP_P1_243353_323400	NW_004517049.1	Scaffold1984	323400	AA	GG	1940510173
SNP_P1_243354_323447	NW_004517049.1	Scaffold1984	323447	CC	TT	1940510175
SNP_P1_243355_323527	NW_004517049.1	Scaffold1984	323527	TT	AA	1940510177
SNP_P1_243356_323554	NW_004517049.1	Scaffold1984	323554	AA	GG	1940510179
SNP_P1_243357_323575	NW_004517049.1	Scaffold1984	323575	CC	TT	1940510181
SNP_P1_243358_323593	NW_004517049.1	Scaffold1984	323593	TT	CC	1940510183
SNP_P1_243359_323614	NW_004517049.1	Scaffold1984	323614	CC	TT	1940510186
SNP_P1_243361_323661	NW_004517049.1	Scaffold1984	323661	CC	TT	1940510188
SNP_P1_243362_323682	NW_004517049.1	Scaffold1984	323682	TT	CC	1940510190
SNP_P1_243363_323706	NW_004517049.1	Scaffold1984	323706	GG	AA	1940510192
SNP_P1_243364_323718	NW_004517049.1	Scaffold1984	323718	TT	CC	1940510194
SNP_P1_243365_323802	NW_004517049.1	Scaffold1984	323802	TT	CC	1940510196
SNP_P1_243366_323805	NW_004517049.1	Scaffold1984	323805	AA	GG	1940510198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243368_323868	NW_004517049.1	Scaffold1984	323868	CC	TT	1940510202
SNP_P1_243369_325206	NW_004517049.1	Scaffold1984	325206	GG	AA	1940510204
SNP_P1_243370_325320	NW_004517049.1	Scaffold1984	325320	AA	GG	1940510207
SNP_P1_243371_325346	NW_004517049.1	Scaffold1984	325346	AA	GG	1940510209
SNP_P1_243372_325392	NW_004517049.1	Scaffold1984	325392	TT	CC	1940510211
SNP_P1_243374_325529	NW_004517049.1	Scaffold1984	325529	TT	AA	1940510213
SNP_P1_243375_325550	NW_004517049.1	Scaffold1984	325550	TT	CC	1940510215
SNP_P1_243376_325559	NW_004517049.1	Scaffold1984	325559	TT	CC	1940510217
SNP_P1_243377_325586	NW_004517049.1	Scaffold1984	325586	GG	AA	1940510219
SNP_P1_243378_325685	NW_004517049.1	Scaffold1984	325685	GG	AA	1940510221
SNP_P1_243379_325713	NW_004517049.1	Scaffold1984	325713	GG	AA	1940510224
SNP_P1_243380_325744	NW_004517049.1	Scaffold1984	325744	TT	AA	1940510226
SNP_P1_243381_325754	NW_004517049.1	Scaffold1984	325754	AA	GG	1940510228
SNP_P1_243382_325761	NW_004517049.1	Scaffold1984	325761	AA	CC	1940510230
SNP_P1_243383_325784	NW_004517049.1	Scaffold1984	325784	GG	AA	1940510232
SNP_P1_243384_325790	NW_004517049.1	Scaffold1984	325790	GG	AA	1940510234
SNP_P1_243385_325808	NW_004517049.1	Scaffold1984	325808	CC	TT	1940510236
SNP_P1_243386_325871	NW_004517049.1	Scaffold1984	325871	AA	GG	1940510238
SNP_P1_243387_328527	NW_004517049.1	Scaffold1984	328527	TT	AA	1940510241
SNP_P1_243388_336575	NW_004517049.1	Scaffold1984	336575	TT	CC	1940510243
SNP_P1_243389_337904	NW_004517049.1	Scaffold1984	337904	CC	TT	1940510245
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SNP_P1_243391_342607	NW_004517049.1	Scaffold1984	342607	CC	AA	1940510249
SNP_P1_243392_343059	NW_004517049.1	Scaffold1984	343059	TT	CC	1940510251
SNP_P1_243393_343399	NW_004517049.1	Scaffold1984	343399	TT	CC	1940510253
SNP_P1_243394_343416	NW_004517049.1	Scaffold1984	343416	TT	CC	1940510256
SNP_P1_243395_343449	NW_004517049.1	Scaffold1984	343449	AA	GG	1940510258
SNP_P1_243396_343465	NW_004517049.1	Scaffold1984	343465	AA	GG	1940510260
SNP_P1_243397_351213	NW_004517049.1	Scaffold1984	351213	CC	TT	1940510262
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SNP_P1_243400_360007	NW_004517049.1	Scaffold1984	360007	AA	GG	1940510268
SNP_P1_243401_360122	NW_004517049.1	Scaffold1984	360122	CC	AA	1940510270
SNP_P1_243402_360229	NW_004517049.1	Scaffold1984	360229	AA	GG	1940510273
SNP_P1_243403_360316	NW_004517049.1	Scaffold1984	360316	AA	GG	1940510275
SNP_P1_243404_361728	NW_004517049.1	Scaffold1984	361728	GG	TT	1940510277
SNP_P1_243405_361737	NW_004517049.1	Scaffold1984	361737	GG	TT	1940510279
SNP_P1_243406_362646	NW_004517049.1	Scaffold1984	362646	AA	CC	1940510281
SNP_P1_243407_363077	NW_004517049.1	Scaffold1984	363077	CC	TT	1940510283
SNP_P1_243409_363281	NW_004517049.1	Scaffold1984	363281	TT	CC	1940510285
SNP_P1_243410_371210	NW_004517049.1	Scaffold1984	371210	GG	CC	1940510287

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243413_378057	NW_004517049.1	Scaffold1984	378057	TT	AA	1940510293
SNP_P1_243414_384374	NW_004517049.1	Scaffold1984	384374	CC	AA	1940510295
SNP_P1_243415_384375	NW_004517049.1	Scaffold1984	384375	AA	TT	1940510298
SNP_P1_243416_384462	NW_004517049.1	Scaffold1984	384462	GG	AA	1940510300
SNP_P1_243417_384647	NW_004517049.1	Scaffold1984	384647	GG	CC	1940510302
SNP_P1_243418_384691	NW_004517049.1	Scaffold1984	384691	CC	TT	1940510304
SNP_P1_243419_384693	NW_004517049.1	Scaffold1984	384693	TT	AA	1940510306
SNP_P1_243420_384708	NW_004517049.1	Scaffold1984	384708	TT	GG	1940510308
SNP_P1_243421_384722	NW_004517049.1	Scaffold1984	384722	AA	GG	1940510310
SNP_P1_243422_384744	NW_004517049.1	Scaffold1984	384744	TT	GG	1940510312
SNP_P1_243423_384748	NW_004517049.1	Scaffold1984	384748	GG	AA	1940510314
SNP_P1_243425_384861	NW_004517049.1	Scaffold1984	384861	AA	CC	1940510316
SNP_P1_243426_386604	NW_004517049.1	Scaffold1984	386604	AA	TT	1940510319
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SNP_P1_243430_386943	NW_004517049.1	Scaffold1984	386943	TT	CC	1940510325
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SNP_P1_243432_387057	NW_004517049.1	Scaffold1984	387057	GG	AA	1940510329
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SNP_P1_243434_387139	NW_004517049.1	Scaffold1984	387139	TT	CC	1940510333
SNP_P1_243435_387239	NW_004517049.1	Scaffold1984	387239	TT	AA	1940510335
SNP_P1_243436_387326	NW_004517049.1	Scaffold1984	387326	TT	AA	1940510337
SNP_P1_243438_29943	NW_004517050.1	Scaffold1985	29943	TT	GG	1940510340
SNP_P1_243439_61636	NW_004517050.1	Scaffold1985	61636	GG	AA	1940510342
SNP_P1_243440_76027	NW_004517050.1	Scaffold1985	76027	TT	CC	1940510344
SNP_P1_243441_85341	NW_004517050.1	Scaffold1985	85341	GG	AA	1940510346
SNP_P1_243442_95835	NW_004517050.1	Scaffold1985	95835	TT	CC	1940510348
SNP_P1_243443_95927	NW_004517050.1	Scaffold1985	95927	GG	AA	1940510350
SNP_P1_243444_96182	NW_004517050.1	Scaffold1985	96182	AA	GG	1940510352
SNP_P1_243445_108774	NW_004517050.1	Scaffold1985	108774	TT	AA	1940510354
SNP_P1_243446_109167	NW_004517050.1	Scaffold1985	109167	GG	AA	1940510357
SNP_P1_243447_109200	NW_004517050.1	Scaffold1985	109200	AA	GG	1940510359
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SNP_P1_243450_109625	NW_004517050.1	Scaffold1985	109625	TT	CC	1940510365
SNP_P1_243451_109641	NW_004517050.1	Scaffold1985	109641	GG	AA	1940510367
SNP_P1_243452_109805	NW_004517050.1	Scaffold1985	109805	AA	GG	1940510369
SNP_P1_243453_109834	NW_004517050.1	Scaffold1985	109834	AA	GG	1940510371
SNP_P1_243454_110115	NW_004517050.1	Scaffold1985	110115	AA	TT	1940510374
SNP_P1_243455_110299	NW_004517050.1	Scaffold1985	110299	TT	AA	1940510376

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243458_134935	NW_004517050.1	Scaffold1985	134935	TT	CC	1940510382
SNP_P1_243459_135753	NW_004517050.1	Scaffold1985	135753	AA	TT	1940510384
SNP_P1_243460_141702	NW_004517050.1	Scaffold1985	141702	GG	AA	1940510386
SNP_P1_243461_141733	NW_004517050.1	Scaffold1985	141733	AA	CC	1940510388
SNP_P1_243462_141743	NW_004517050.1	Scaffold1985	141743	CC	AA	1940510391
SNP_P1_243463_141811	NW_004517050.1	Scaffold1985	141811	TT	CC	1940510393
SNP_P1_243464_141876	NW_004517050.1	Scaffold1985	141876	AA	TT	1940510395
SNP_P1_243465_142093	NW_004517050.1	Scaffold1985	142093	TT	CC	1940510397
SNP_P1_243466_3744	NW_004517052.1	Scaffold1987	3744	TT	CC	1940510399
SNP_P1_243467_3745	NW_004517052.1	Scaffold1987	3745	TT	AA	1940510401
SNP_P1_243469_4737	NW_004517053.1	Scaffold1988	4737	TT	CC	1940510403
SNP_P1_243470_4794	NW_004517053.1	Scaffold1988	4794	AA	GG	1940510405
SNP_P1_243471_4798	NW_004517053.1	Scaffold1988	4798	GG	CC	1940510408
SNP_P1_243472_4965	NW_004517053.1	Scaffold1988	4965	CC	GG	1940510409
SNP_P1_243473_4988	NW_004517053.1	Scaffold1988	4988	GG	AA	1940510411
SNP_P1_243474_5207	NW_004517053.1	Scaffold1988	5207	CC	TT	1940510413
SNP_P1_243475_5307	NW_004517053.1	Scaffold1988	5307	AA	GG	1940510415
SNP_P1_243476_5995	NW_004517053.1	Scaffold1988	5995	CC	AA	1940510417
SNP_P1_243478_6037	NW_004517053.1	Scaffold1988	6037	AA	GG	1940510419
SNP_P1_243479_7515	NW_004517053.1	Scaffold1988	7515	TT	AA	1940510422
SNP_P1_243480_7756	NW_004517053.1	Scaffold1988	7756	TT	GG	1940510424
SNP_P1_243482_10813	NW_004517053.1	Scaffold1988	10813	AA	GG	1940510426
SNP_P1_243483_11260	NW_004517053.1	Scaffold1988	11260	AA	GG	1940510428
SNP_P1_243484_11263	NW_004517053.1	Scaffold1988	11263	TT	AA	1940510430
SNP_P1_243485_13837	NW_004517053.1	Scaffold1988	13837	TT	CC	1940510432
SNP_P1_243486_14100	NW_004517053.1	Scaffold1988	14100	CC	TT	1940510434
SNP_P1_243487_18717	NW_004517053.1	Scaffold1988	18717	TT	AA	1940510436
SNP_P1_243488_18781	NW_004517053.1	Scaffold1988	18781	TT	AA	1940510438
SNP_P1_243489_4319	NW_004517055.1	Scaffold1990	4319	GG	TT	1940510440
SNP_P1_243490_4399	NW_004517055.1	Scaffold1990	4399	AA	GG	1940510443
SNP_P1_243491_4406	NW_004517055.1	Scaffold1990	4406	TT	CC	1940510445
SNP_P1_243492_4473	NW_004517055.1	Scaffold1990	4473	AA	GG	1940510447
SNP_P1_243494_22365	NW_004517055.1	Scaffold1990	22365	AA	CC	1940510449
SNP_P1_243495_22655	NW_004517055.1	Scaffold1990	22655	CC	TT	1940510451
SNP_P1_243496_23029	NW_004517055.1	Scaffold1990	23029	TT	CC	1940510453
SNP_P1_243501_23750	NW_004517056.1	Scaffold1991	23750	GG	AA	1940510456
SNP_P1_243503_43100	NW_004517056.1	Scaffold1991	43100	TT	CC	1940510458
SNP_P1_243504_81835	NW_004517056.1	Scaffold1991	81835	AA	CC	1940510460
SNP_P1_243505_92472	NW_004517056.1	Scaffold1991	92472	AA	TT	1940510462
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243509_108819	NW_004517056.1	Scaffold1991	108819	AA	GG	1940510470
SNP_P1_243510_110309	NW_004517056.1	Scaffold1991	110309	TT	GG	1940510473
SNP_P1_243511_113210	NW_004517056.1	Scaffold1991	113210	GG	AA	1940510475
SNP_P1_243512_113487	NW_004517056.1	Scaffold1991	113487	CC	AA	1940510477
SNP_P1_243513_113518	NW_004517056.1	Scaffold1991	113518	AA	GG	1940510479
SNP_P1_243514_113721	NW_004517056.1	Scaffold1991	113721	AA	GG	1940510481
SNP_P1_243515_113915	NW_004517056.1	Scaffold1991	113915	TT	CC	1940510483
SNP_P1_243516_113975	NW_004517056.1	Scaffold1991	113975	GG	AA	1940510485
SNP_P1_243517_113988	NW_004517056.1	Scaffold1991	113988	AA	GG	1940510488
SNP_P1_243518_113996	NW_004517056.1	Scaffold1991	113996	TT	CC	1940510490
SNP_P1_243519_113998	NW_004517056.1	Scaffold1991	113998	GG	AA	1940510492
SNP_P1_243520_114003	NW_004517056.1	Scaffold1991	114003	CC	TT	1940510494
SNP_P1_243521_114007	NW_004517056.1	Scaffold1991	114007	TT	CC	1940510496
SNP_P1_243522_114008	NW_004517056.1	Scaffold1991	114008	CC	TT	1940510498
SNP_P1_243524_83	NW_004517060.1	Scaffold1995	83	CC	AA	1940510500
SNP_P1_243525_124	NW_004517060.1	Scaffold1995	124	TT	CC	1940510502
SNP_P1_243526_4127	NW_004517060.1	Scaffold1995	4127	GG	TT	1940510505
SNP_P1_243527_5502	NW_004517060.1	Scaffold1995	5502	CC	GG	1940510507
SNP_P1_243528_632	NW_004517061.1	Scaffold1996	632	GG	AA	1940510509
SNP_P1_243529_744	NW_004517061.1	Scaffold1996	744	GG	AA	1940510511
SNP_P1_243530_895	NW_004517061.1	Scaffold1996	895	CC	TT	1940510513
SNP_P1_243531_1036	NW_004517061.1	Scaffold1996	1036	CC	TT	1940510515
SNP_P1_243532_1039	NW_004517061.1	Scaffold1996	1039	CC	TT	1940510517
SNP_P1_243533_1041	NW_004517061.1	Scaffold1996	1041	GG	AA	1940510520
SNP_P1_243534_1057	NW_004517061.1	Scaffold1996	1057	GG	AA	1940510522
SNP_P1_243535_1084	NW_004517061.1	Scaffold1996	1084	CC	TT	1940510524
SNP_P1_243536_1099	NW_004517061.1	Scaffold1996	1099	CC	AA	1940510526
SNP_P1_243538_1478	NW_004517061.1	Scaffold1996	1478	CC	AA	1940510528
SNP_P1_243539_4755	NW_004517061.1	Scaffold1996	4755	AA	GG	1940510530
SNP_P1_243540_5502	NW_004517061.1	Scaffold1996	5502	GG	AA	1940510532
SNP_P1_243541_5518	NW_004517061.1	Scaffold1996	5518	GG	TT	1940510534
SNP_P1_243542_5563	NW_004517061.1	Scaffold1996	5563	AA	GG	1940510537
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SNP_P1_243546_5863	NW_004517061.1	Scaffold1996	5863	GG	AA	1940510543
SNP_P1_243547_5866	NW_004517061.1	Scaffold1996	5866	TT	CC	1940510545
SNP_P1_243548_5902	NW_004517061.1	Scaffold1996	5902	TT	AA	1940510547
SNP_P1_243549_5947	NW_004517061.1	Scaffold1996	5947	CC	TT	1940510549
SNP_P1_243551_6048	NW_004517061.1	Scaffold1996	6048	GG	AA	1940510551
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SNP_P1_243555_15196	NW_004517062.1	Scaffold1997	15196	TT	GG	1940510560
SNP_P1_243556_15435	NW_004517062.1	Scaffold1997	15435	TT	AA	1940510562
SNP_P1_243557_15572	NW_004517062.1	Scaffold1997	15572	TT	CC	1940510564
SNP_P1_243558_16030	NW_004517062.1	Scaffold1997	16030	CC	TT	1940510566
SNP_P1_243559_21841	NW_004517062.1	Scaffold1997	21841	GG	AA	1940510569
SNP_P1_243560_22262	NW_004517062.1	Scaffold1997	22262	CC	TT	1940510571
SNP_P1_243561_22303	NW_004517062.1	Scaffold1997	22303	TT	AA	1940510573
SNP_P1_243562_3035	NW_004517063.1	Scaffold1999	3035	GG	AA	1940510575
SNP_P1_243563_3092	NW_004517063.1	Scaffold1999	3092	TT	CC	1940510577
SNP_P1_243564_4026	NW_004517063.1	Scaffold1999	4026	TT	CC	1940510579
SNP_P1_243565_4264	NW_004517063.1	Scaffold1999	4264	TT	GG	1940510581
SNP_P1_243566_7088	NW_004517063.1	Scaffold1999	7088	GG	AA	1940510583
SNP_P1_243567_7127	NW_004517063.1	Scaffold1999	7127	GG	CC	1940510586
SNP_P1_243568_7250	NW_004517063.1	Scaffold1999	7250	AA	CC	1940510588
SNP_P1_243569_7257	NW_004517063.1	Scaffold1999	7257	TT	GG	1940510590
SNP_P1_243570_7310	NW_004517063.1	Scaffold1999	7310	CC	AA	1940510592
SNP_P1_243571_7581	NW_004517063.1	Scaffold1999	7581	GG	AA	1940510595
SNP_P1_243573_8128	NW_004517063.1	Scaffold1999	8128	TT	CC	1940510597
SNP_P1_243574_8530	NW_004517063.1	Scaffold1999	8530	GG	AA	1940510599
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SNP_P1_243579_24572	NW_004517063.1	Scaffold1999	24572	CC	AA	1940510607
SNP_P1_243580_25076	NW_004517063.1	Scaffold1999	25076	TT	CC	1940510610
SNP_P1_243581_25728	NW_004517063.1	Scaffold1999	25728	AA	TT	1940510612
SNP_P1_243582_25931	NW_004517063.1	Scaffold1999	25931	GG	TT	1940510614
SNP_P1_243583_26052	NW_004517063.1	Scaffold1999	26052	TT	AA	1940510616
SNP_P1_243584_27769	NW_004517063.1	Scaffold1999	27769	GG	AA	1940510618
SNP_P1_243585_27902	NW_004517063.1	Scaffold1999	27902	TT	GG	1940510620
SNP_P1_243587_27932	NW_004517063.1	Scaffold1999	27932	AA	GG	1940510622
SNP_P1_243588_28082	NW_004517063.1	Scaffold1999	28082	TT	GG	1940510624
SNP_P1_243589_28230	NW_004517063.1	Scaffold1999	28230	GG	AA	1940510627
SNP_P1_243590_28256	NW_004517063.1	Scaffold1999	28256	CC	AA	1940510629
SNP_P1_243592_29821	NW_004517063.1	Scaffold1999	29821	GG	AA	1940510631
SNP_P1_243594_29969	NW_004517063.1	Scaffold1999	29969	AA	GG	1940510633
SNP_P1_243595_29977	NW_004517063.1	Scaffold1999	29977	AA	TT	1940510635
SNP_P1_243596_30014	NW_004517063.1	Scaffold1999	30014	GG	CC	1940510637
SNP_P1_243598_30130	NW_004517063.1	Scaffold1999	30130	CC	GG	1940510639
SNP_P1_243599_30133	NW_004517063.1	Scaffold1999	30133	CC	TT	1940510642
SNP_P1_243600_30248	NW_004517063.1	Scaffold1999	30248	GG	CC	1940510644

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SNP_P1_243603_30319	NW_004517063.1	Scaffold1999	30319	TT	AA	1940510650
SNP_P1_243604_30490	NW_004517063.1	Scaffold1999	30490	CC	TT	1940510652
SNP_P1_243605_30604	NW_004517063.1	Scaffold1999	30604	AA	GG	1940510654
SNP_P1_243606_30698	NW_004517063.1	Scaffold1999	30698	TT	AA	1940510657
SNP_P1_243607_30719	NW_004517063.1	Scaffold1999	30719	AA	GG	1940510659
SNP_P1_243608_30741	NW_004517063.1	Scaffold1999	30741	CC	TT	1940510661
SNP_P1_243609_31052	NW_004517063.1	Scaffold1999	31052	CC	AA	1940510663
SNP_P1_243610_31134	NW_004517063.1	Scaffold1999	31134	AA	TT	1940510665
SNP_P1_243611_31258	NW_004517063.1	Scaffold1999	31258	GG	AA	1940510667
SNP_P1_243612_31902	NW_004517063.1	Scaffold1999	31902	CC	GG	1940510669
SNP_P1_243613_31963	NW_004517063.1	Scaffold1999	31963	CC	TT	1940510671
SNP_P1_243614_31975	NW_004517063.1	Scaffold1999	31975	CC	AA	1940510674
SNP_P1_243615_32111	NW_004517063.1	Scaffold1999	32111	TT	AA	1940510676
SNP_P1_243616_32312	NW_004517063.1	Scaffold1999	32312	TT	CC	1940510678
SNP_P1_243617_32326	NW_004517063.1	Scaffold1999	32326	CC	GG	1940510680
SNP_P1_243618_32374	NW_004517063.1	Scaffold1999	32374	GG	AA	1940510682
SNP_P1_243619_32470	NW_004517063.1	Scaffold1999	32470	AA	GG	1940510684
SNP_P1_243620_32503	NW_004517063.1	Scaffold1999	32503	TT	GG	1940510686
SNP_P1_243621_32602	NW_004517063.1	Scaffold1999	32602	GG	TT	1940510688
SNP_P1_243622_33139	NW_004517063.1	Scaffold1999	33139	TT	GG	1940510691
SNP_P1_243623_1115	NW_004517064.1	Scaffold2000	1115	AA	TT	1940510693
SNP_P1_243624_1127	NW_004517064.1	Scaffold2000	1127	CC	TT	1940510695
SNP_P1_243625_1140	NW_004517064.1	Scaffold2000	1140	TT	CC	1940510697
SNP_P1_243626_1164	NW_004517064.1	Scaffold2000	1164	GG	AA	1940510699
SNP_P1_243627_1245	NW_004517064.1	Scaffold2000	1245	AA	GG	1940510701
SNP_P1_243628_1376	NW_004517064.1	Scaffold2000	1376	CC	TT	1940510703
SNP_P1_243629_1444	NW_004517064.1	Scaffold2000	1444	GG	AA	1940510705
SNP_P1_243630_1523	NW_004517064.1	Scaffold2000	1523	CC	GG	1940510708
SNP_P1_243632_1565	NW_004517064.1	Scaffold2000	1565	AA	GG	1940510710
SNP_P1_243633_1606	NW_004517064.1	Scaffold2000	1606	AA	CC	1940510712
SNP_P1_243634_1613	NW_004517064.1	Scaffold2000	1613	TT	GG	1940510714
SNP_P1_243635_1625	NW_004517064.1	Scaffold2000	1625	CC	AA	1940510717
SNP_P1_243636_1627	NW_004517064.1	Scaffold2000	1627	AA	TT	1940510719
SNP_P1_243637_1671	NW_004517064.1	Scaffold2000	1671	TT	GG	1940510721
SNP_P1_243638_1686	NW_004517064.1	Scaffold2000	1686	GG	CC	1940510723
SNP_P1_243639_1709	NW_004517064.1	Scaffold2000	1709	GG	AA	1940510725
SNP_P1_243640_1746	NW_004517064.1	Scaffold2000	1746	TT	CC	1940510727
SNP_P1_243641_1750	NW_004517064.1	Scaffold2000	1750	TT	AA	1940510729
SNP_P1_243642_1754	NW_004517064.1	Scaffold2000	1754	TT	AA	1940510732
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243646_2163	NW_004517064.1	Scaffold2000	2163	CC	AA	1940510740
SNP_P1_243647_2251	NW_004517064.1	Scaffold2000	2251	TT	AA	1940510742
SNP_P1_243648_2351	NW_004517064.1	Scaffold2000	2351	TT	AA	1940510744
SNP_P1_243649_2382	NW_004517064.1	Scaffold2000	2382	CC	AA	1940510746
SNP_P1_243650_2396	NW_004517064.1	Scaffold2000	2396	AA	GG	1940510748
SNP_P1_243651_2418	NW_004517064.1	Scaffold2000	2418	GG	TT	1940510750
SNP_P1_243652_2530	NW_004517064.1	Scaffold2000	2530	AA	CC	1940510753
SNP_P1_243653_2557	NW_004517064.1	Scaffold2000	2557	AA	GG	1940510755
SNP_P1_243654_2560	NW_004517064.1	Scaffold2000	2560	CC	AA	1940510757
SNP_P1_243655_2577	NW_004517064.1	Scaffold2000	2577	GG	TT	1940510759
SNP_P1_243656_2580	NW_004517064.1	Scaffold2000	2580	AA	TT	1940510761
SNP_P1_243657_2641	NW_004517064.1	Scaffold2000	2641	GG	CC	1940510763
SNP_P1_243658_2678	NW_004517064.1	Scaffold2000	2678	CC	AA	1940510765
SNP_P1_243659_2730	NW_004517064.1	Scaffold2000	2730	AA	TT	1940510767
SNP_P1_243660_2811	NW_004517064.1	Scaffold2000	2811	AA	CC	1940510770
SNP_P1_243661_2852	NW_004517064.1	Scaffold2000	2852	GG	AA	1940510772
SNP_P1_243662_2878	NW_004517064.1	Scaffold2000	2878	CC	AA	1940510774
SNP_P1_243663_2895	NW_004517064.1	Scaffold2000	2895	TT	CC	1940510776
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SNP_P1_243666_2937	NW_004517064.1	Scaffold2000	2937	CC	TT	1940510782
SNP_P1_243667_2944	NW_004517064.1	Scaffold2000	2944	TT	AA	1940510784
SNP_P1_243668_2965	NW_004517064.1	Scaffold2000	2965	CC	AA	1940510786
SNP_P1_243669_2971	NW_004517064.1	Scaffold2000	2971	CC	AA	1940510789
SNP_P1_243670_3027	NW_004517064.1	Scaffold2000	3027	GG	CC	1940510791
SNP_P1_243671_3039	NW_004517064.1	Scaffold2000	3039	AA	GG	1940510793
SNP_P1_243672_9452	NW_004517064.1	Scaffold2000	9452	CC	TT	1940510795
SNP_P1_243673_9516	NW_004517064.1	Scaffold2000	9516	TT	AA	1940510797
SNP_P1_243674_9623	NW_004517064.1	Scaffold2000	9623	AA	GG	1940510799
SNP_P1_243676_9663	NW_004517064.1	Scaffold2000	9663	CC	AA	1940510801
SNP_P1_243677_9867	NW_004517064.1	Scaffold2000	9867	AA	GG	1940510803
SNP_P1_243678_9906	NW_004517064.1	Scaffold2000	9906	AA	CC	1940510805
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SNP_P1_243680_10811	NW_004517064.1	Scaffold2000	10811	GG	AA	1940510810
SNP_P1_243682_10863	NW_004517064.1	Scaffold2000	10863	AA	TT	1940510812
SNP_P1_243683_10890	NW_004517064.1	Scaffold2000	10890	TT	CC	1940510814
SNP_P1_243685_10942	NW_004517064.1	Scaffold2000	10942	TT	GG	1940510816
SNP_P1_243686_10945	NW_004517064.1	Scaffold2000	10945	GG	AA	1940510818
SNP_P1_243687_10962	NW_004517064.1	Scaffold2000	10962	AA	CC	1940510820
SNP_P1_243688_11166	NW_004517064.1	Scaffold2000	11166	TT	CC	1940510822

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243691_11238	NW_004517064.1	Scaffold2000	11238	GG	CC	1940510829
SNP_P1_243692_11259	NW_004517064.1	Scaffold2000	11259	CC	GG	1940510831
SNP_P1_243693_11266	NW_004517064.1	Scaffold2000	11266	TT	CC	1940510833
SNP_P1_243694_11276	NW_004517064.1	Scaffold2000	11276	GG	AA	1940510835
SNP_P1_243695_11302	NW_004517064.1	Scaffold2000	11302	CC	TT	1940510837
SNP_P1_243696_11339	NW_004517064.1	Scaffold2000	11339	CC	TT	1940510839
SNP_P1_243697_11341	NW_004517064.1	Scaffold2000	11341	AA	GG	1940510842
SNP_P1_243698_11365	NW_004517064.1	Scaffold2000	11365	CC	TT	1940510844
SNP_P1_243699_11392	NW_004517064.1	Scaffold2000	11392	GG	TT	1940510846
SNP_P1_243700_11411	NW_004517064.1	Scaffold2000	11411	CC	GG	1940510848
SNP_P1_243701_11425	NW_004517064.1	Scaffold2000	11425	TT	GG	1940510851
SNP_P1_243702_11536	NW_004517064.1	Scaffold2000	11536	CC	TT	1940510853
SNP_P1_243703_11544	NW_004517064.1	Scaffold2000	11544	AA	GG	1940510855
SNP_P1_243704_11569	NW_004517064.1	Scaffold2000	11569	CC	GG	1940510857
SNP_P1_243705_11735	NW_004517064.1	Scaffold2000	11735	CC	GG	1940510859
SNP_P1_243707_13844	NW_004517064.1	Scaffold2000	13844	CC	GG	1940510861
SNP_P1_243708_13866	NW_004517064.1	Scaffold2000	13866	AA	GG	1940510863
SNP_P1_243709_13886	NW_004517064.1	Scaffold2000	13886	GG	AA	1940510866
SNP_P1_243711_13894	NW_004517064.1	Scaffold2000	13894	TT	GG	1940510868
SNP_P1_243712_13948	NW_004517064.1	Scaffold2000	13948	CC	AA	1940510870
SNP_P1_243713_13950	NW_004517064.1	Scaffold2000	13950	CC	TT	1940510872
SNP_P1_243714_14086	NW_004517064.1	Scaffold2000	14086	CC	AA	1940510874
SNP_P1_243715_14149	NW_004517064.1	Scaffold2000	14149	AA	GG	1940510876
SNP_P1_243716_14156	NW_004517064.1	Scaffold2000	14156	AA	CC	1940510878
SNP_P1_243718_14240	NW_004517064.1	Scaffold2000	14240	AA	GG	1940510880
SNP_P1_243719_14241	NW_004517064.1	Scaffold2000	14241	CC	TT	1940510882
SNP_P1_243720_14266	NW_004517064.1	Scaffold2000	14266	TT	CC	1940510885
SNP_P1_243721_14292	NW_004517064.1	Scaffold2000	14292	AA	GG	1940510887
SNP_P1_243722_18454	NW_004517064.1	Scaffold2000	18454	AA	CC	1940510889
SNP_P1_243724_18477	NW_004517064.1	Scaffold2000	18477	TT	AA	1940510891
SNP_P1_243725_18504	NW_004517064.1	Scaffold2000	18504	TT	CC	1940510893
SNP_P1_243726_18526	NW_004517064.1	Scaffold2000	18526	AA	CC	1940510895
SNP_P1_243727_18619	NW_004517064.1	Scaffold2000	18619	TT	AA	1940510897
SNP_P1_243728_18672	NW_004517064.1	Scaffold2000	18672	CC	TT	1940510899
SNP_P1_243729_18818	NW_004517064.1	Scaffold2000	18818	TT	GG	1940510902
SNP_P1_243730_18886	NW_004517064.1	Scaffold2000	18886	TT	CC	1940510904
SNP_P1_243731_20118	NW_004517064.1	Scaffold2000	20118	TT	AA	1940510906
SNP_P1_243733_20419	NW_004517064.1	Scaffold2000	20419	GG	TT	1940510908
SNP_P1_243734_20635	NW_004517064.1	Scaffold2000	20635	AA	GG	1940510910
SNP_P1_243735_20663	NW_004517064.1	Scaffold2000	20663	TT	GG	1940510912

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243737_21414	NW_004517064.1	Scaffold2000	21414	AA	CC	1940510916
SNP_P1_243738_21423	NW_004517064.1	Scaffold2000	21423	TT	CC	1940510919
SNP_P1_243739_21424	NW_004517064.1	Scaffold2000	21424	AA	CC	1940510921
SNP_P1_243740_21425	NW_004517064.1	Scaffold2000	21425	TT	AA	1940510923
SNP_P1_243741_21435	NW_004517064.1	Scaffold2000	21435	GG	AA	1940510925
SNP_P1_243742_21443	NW_004517064.1	Scaffold2000	21443	CC	TT	1940510927
SNP_P1_243743_21493	NW_004517064.1	Scaffold2000	21493	GG	AA	1940510929
SNP_P1_243744_21517	NW_004517064.1	Scaffold2000	21517	AA	CC	1940510931
SNP_P1_243745_21555	NW_004517064.1	Scaffold2000	21555	AA	TT	1940510933
SNP_P1_243746_21557	NW_004517064.1	Scaffold2000	21557	CC	AA	1940510936
SNP_P1_243747_21623	NW_004517064.1	Scaffold2000	21623	AA	GG	1940510938
SNP_P1_243748_21624	NW_004517064.1	Scaffold2000	21624	CC	AA	1940510940
SNP_P1_243749_21718	NW_004517064.1	Scaffold2000	21718	GG	CC	1940510942
SNP_P1_243751_26336	NW_004517064.1	Scaffold2000	26336	CC	TT	1940510944
SNP_P1_243752_26590	NW_004517064.1	Scaffold2000	26590	AA	CC	1940510946
SNP_P1_243753_26646	NW_004517064.1	Scaffold2000	26646	TT	AA	1940510948
SNP_P1_243754_26885	NW_004517064.1	Scaffold2000	26885	AA	TT	1940510950
SNP_P1_243755_26888	NW_004517064.1	Scaffold2000	26888	AA	CC	1940510953
SNP_P1_243756_2697	NW_004517066.1	Scaffold2003	2697	GG	AA	1940510955
SNP_P1_243757_3595	NW_004517066.1	Scaffold2003	3595	AA	CC	1940510957
SNP_P1_243758_3604	NW_004517066.1	Scaffold2003	3604	TT	CC	1940510959
SNP_P1_243759_3606	NW_004517066.1	Scaffold2003	3606	AA	TT	1940510961
SNP_P1_243760_3643	NW_004517066.1	Scaffold2003	3643	TT	GG	1940510963
SNP_P1_243761_3688	NW_004517066.1	Scaffold2003	3688	CC	GG	1940510965
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SNP_P1_243764_3719	NW_004517066.1	Scaffold2003	3719	GG	TT	1940510972
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SNP_P1_243766_3740	NW_004517066.1	Scaffold2003	3740	CC	AA	1940510976
SNP_P1_243767_3771	NW_004517066.1	Scaffold2003	3771	GG	AA	1940510978
SNP_P1_243768_3774	NW_004517066.1	Scaffold2003	3774	GG	TT	1940510980
SNP_P1_243769_3775	NW_004517066.1	Scaffold2003	3775	TT	CC	1940510982
SNP_P1_243770_3776	NW_004517066.1	Scaffold2003	3776	GG	AA	1940510984
SNP_P1_243771_3778	NW_004517066.1	Scaffold2003	3778	CC	TT	1940510986
SNP_P1_243772_3789	NW_004517066.1	Scaffold2003	3789	AA	GG	1940510988
SNP_P1_243773_3970	NW_004517066.1	Scaffold2003	3970	GG	AA	1940510990
SNP_P1_243774_7157	NW_004517066.1	Scaffold2003	7157	CC	TT	1940510993
SNP_P1_243775_7505	NW_004517066.1	Scaffold2003	7505	GG	TT	1940510995
SNP_P1_243777_12480	NW_004517066.1	Scaffold2003	12480	AA	GG	1940510997
SNP_P1_243778_12500	NW_004517066.1	Scaffold2003	12500	AA	TT	1940510999
SNP_P1_243779_12525	NW_004517066.1	Scaffold2003	12525	TT	AA	1940511001

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243783_14644	NW_004517066.1	Scaffold2003	14644	AA	TT	1940511007
SNP_P1_243784_19133	NW_004517066.1	Scaffold2003	19133	AA	GG	1940511010
SNP_P1_243785_19539	NW_004517066.1	Scaffold2003	19539	AA	TT	1940511012
SNP_P1_243786_19544	NW_004517066.1	Scaffold2003	19544	GG	TT	1940511014
SNP_P1_243787_19795	NW_004517066.1	Scaffold2003	19795	AA	GG	1940511016
SNP_P1_243788_19894	NW_004517066.1	Scaffold2003	19894	TT	CC	1940511018
SNP_P1_243789_19909	NW_004517066.1	Scaffold2003	19909	CC	AA	1940511020
SNP_P1_243790_20595	NW_004517066.1	Scaffold2003	20595	AA	GG	1940511022
SNP_P1_243791_20971	NW_004517066.1	Scaffold2003	20971	AA	GG	1940511024
SNP_P1_243792_21236	NW_004517066.1	Scaffold2003	21236	CC	TT	1940511027
SNP_P1_243793_21994	NW_004517066.1	Scaffold2003	21994	CC	TT	1940511029
SNP_P1_243794_22637	NW_004517066.1	Scaffold2003	22637	CC	AA	1940511031
SNP_P1_243795_22924	NW_004517066.1	Scaffold2003	22924	CC	AA	1940511033
SNP_P1_243796_23205	NW_004517066.1	Scaffold2003	23205	CC	AA	1940511035
SNP_P1_243797_23263	NW_004517066.1	Scaffold2003	23263	CC	TT	1940511037
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SNP_P1_243810_6625	NW_004517067.1	Scaffold2004	6625	GG	AA	1940511061
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SNP_P1_243812_303	NW_004517068.1	Scaffold2005	303	CC	GG	1940511065
SNP_P1_243813_3132	NW_004517068.1	Scaffold2005	3132	CC	TT	1940511067
SNP_P1_243814_3150	NW_004517068.1	Scaffold2005	3150	AA	GG	1940511069
SNP_P1_243815_3282	NW_004517068.1	Scaffold2005	3282	TT	CC	1940511071
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SNP_P1_243818_3457	NW_004517068.1	Scaffold2005	3457	CC	AA	1940511075
SNP_P1_243819_3486	NW_004517068.1	Scaffold2005	3486	AA	GG	1940511078
SNP_P1_243820_3730	NW_004517068.1	Scaffold2005	3730	AA	GG	1940511080
SNP_P1_243821_3731	NW_004517068.1	Scaffold2005	3731	GG	TT	1940511082
SNP_P1_243822_4848	NW_004517068.1	Scaffold2005	4848	AA	GG	1940511084
SNP_P1_243823_4881	NW_004517068.1	Scaffold2005	4881	AA	GG	1940511086
SNP_P1_243824_4914	NW_004517068.1	Scaffold2005	4914	CC	AA	1940511088
SNP_P1_243825_4919	NW_004517068.1	Scaffold2005	4919	AA	TT	1940511090

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243827_5557	NW_004517068.1	Scaffold2005	5557	AA	GG	1940511095
SNP_P1_243828_5916	NW_004517068.1	Scaffold2005	5916	AA	CC	1940511097
SNP_P1_243829_7022	NW_004517068.1	Scaffold2005	7022	CC	AA	1940511099
SNP_P1_243830_7032	NW_004517068.1	Scaffold2005	7032	GG	TT	1940511101
SNP_P1_243832_8721	NW_004517068.1	Scaffold2005	8721	AA	GG	1940511103
SNP_P1_243833_8744	NW_004517068.1	Scaffold2005	8744	CC	TT	1940511105
SNP_P1_243834_9185	NW_004517068.1	Scaffold2005	9185	TT	CC	1940511107
SNP_P1_243836_9576	NW_004517068.1	Scaffold2005	9576	AA	CC	1940511110
SNP_P1_243837_11613	NW_004517068.1	Scaffold2005	11613	CC	TT	1940511112
SNP_P1_243838_11968	NW_004517068.1	Scaffold2005	11968	CC	GG	1940511114
SNP_P1_243839_12100	NW_004517068.1	Scaffold2005	12100	TT	AA	1940511116
SNP_P1_243840_12540	NW_004517068.1	Scaffold2005	12540	GG	TT	1940511118
SNP_P1_243841_12947	NW_004517068.1	Scaffold2005	12947	TT	CC	1940511120
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SNP_P1_243844_14809	NW_004517068.1	Scaffold2005	14809	CC	TT	1940511124
SNP_P1_243845_14819	NW_004517068.1	Scaffold2005	14819	TT	CC	1940511127
SNP_P1_243847_21693	NW_004517068.1	Scaffold2005	21693	TT	CC	1940511129
SNP_P1_243848_22090	NW_004517068.1	Scaffold2005	22090	CC	TT	1940511130
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SNP_P1_243850_22850	NW_004517068.1	Scaffold2005	22850	AA	CC	1940511133
SNP_P1_243851_23104	NW_004517068.1	Scaffold2005	23104	AA	GG	1940511135
SNP_P1_243852_23279	NW_004517068.1	Scaffold2005	23279	AA	GG	1940511138
SNP_P1_243853_23885	NW_004517068.1	Scaffold2005	23885	TT	AA	1940511140
SNP_P1_243854_24205	NW_004517068.1	Scaffold2005	24205	TT	CC	1940511142
SNP_P1_243855_24923	NW_004517068.1	Scaffold2005	24923	GG	AA	1940511144
SNP_P1_243856_25260	NW_004517068.1	Scaffold2005	25260	TT	GG	1940511146
SNP_P1_243858_30960	NW_004517068.1	Scaffold2005	30960	AA	GG	1940511148
SNP_P1_243859_30971	NW_004517068.1	Scaffold2005	30971	AA	CC	1940511150
SNP_P1_243860_30985	NW_004517068.1	Scaffold2005	30985	AA	GG	1940511152
SNP_P1_243862_31399	NW_004517068.1	Scaffold2005	31399	AA	GG	1940511155
SNP_P1_243863_31501	NW_004517068.1	Scaffold2005	31501	TT	CC	1940511157
SNP_P1_243865_31756	NW_004517068.1	Scaffold2005	31756	CC	AA	1940511159
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SNP_P1_243867_32384	NW_004517068.1	Scaffold2005	32384	TT	CC	1940511163
SNP_P1_243869_32421	NW_004517068.1	Scaffold2005	32421	AA	GG	1940511165
SNP_P1_243871_33662	NW_004517068.1	Scaffold2005	33662	AA	TT	1940511167
SNP_P1_243872_33713	NW_004517068.1	Scaffold2005	33713	CC	TT	1940511170
SNP_P1_243873_34053	NW_004517068.1	Scaffold2005	34053	AA	GG	1940511172
SNP_P1_243874_34075	NW_004517068.1	Scaffold2005	34075	TT	CC	1940511174
SNP_P1_243875_34105	NW_004517068.1	Scaffold2005	34105	AA	CC	1940511176
SNP_P1_243876_1158	NW_004517069.1	Scaffold2006	1158	CC	TT	1940511178

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243878_1201	NW_004517069.1	Scaffold2006	1201	CC	TT	1940511182
SNP_P1_243879_1219	NW_004517069.1	Scaffold2006	1219	TT	CC	1940511184
SNP_P1_243880_449	NW_004517070.1	Scaffold2008	449	AA	GG	1940511187
SNP_P1_243881_96	NW_004517072.1	Scaffold2010	96	GG	TT	1940511189
SNP_P1_243882_759	NW_004517072.1	Scaffold2010	759	GG	AA	1940511191
SNP_P1_243883_2916	NW_004517072.1	Scaffold2010	2916	AA	GG	1940511193
SNP_P1_243884_3314	NW_004517072.1	Scaffold2010	3314	GG	TT	1940511195
SNP_P1_243885_3505	NW_004517072.1	Scaffold2010	3505	AA	GG	1940511197
SNP_P1_243886_3620	NW_004517072.1	Scaffold2010	3620	TT	CC	1940511199
SNP_P1_243888_3696	NW_004517072.1	Scaffold2010	3696	TT	GG	1940511201
SNP_P1_243889_3711	NW_004517072.1	Scaffold2010	3711	AA	TT	1940511204
SNP_P1_243890_3715	NW_004517072.1	Scaffold2010	3715	GG	AA	1940511206
SNP_P1_243891_3748	NW_004517072.1	Scaffold2010	3748	TT	AA	1940511208
SNP_P1_243892_3755	NW_004517072.1	Scaffold2010	3755	GG	AA	1940511210
SNP_P1_243893_3765	NW_004517072.1	Scaffold2010	3765	CC	TT	1940511212
SNP_P1_243894_3766	NW_004517072.1	Scaffold2010	3766	TT	AA	1940511214
SNP_P1_243895_3768	NW_004517072.1	Scaffold2010	3768	TT	CC	1940511216
SNP_P1_243896_3769	NW_004517072.1	Scaffold2010	3769	TT	AA	1940511218
SNP_P1_243897_3771	NW_004517072.1	Scaffold2010	3771	AA	CC	1940511221
SNP_P1_243898_3772	NW_004517072.1	Scaffold2010	3772	CC	TT	1940511223
SNP_P1_243899_3776	NW_004517072.1	Scaffold2010	3776	AA	GG	1940511225
SNP_P1_243900_3798	NW_004517072.1	Scaffold2010	3798	TT	AA	1940511227
SNP_P1_243901_3803	NW_004517072.1	Scaffold2010	3803	GG	AA	1940511229
SNP_P1_243902_4168	NW_004517072.1	Scaffold2010	4168	TT	CC	1940511231
SNP_P1_243903_4282	NW_004517072.1	Scaffold2010	4282	AA	GG	1940511233
SNP_P1_243904_5403	NW_004517072.1	Scaffold2010	5403	TT	CC	1940511235
SNP_P1_243905_5819	NW_004517072.1	Scaffold2010	5819	CC	AA	1940511238
SNP_P1_243906_6079	NW_004517072.1	Scaffold2010	6079	AA	GG	1940511240
SNP_P1_243907_6403	NW_004517072.1	Scaffold2010	6403	GG	AA	1940511242
SNP_P1_243908_6507	NW_004517072.1	Scaffold2010	6507	AA	CC	1940511244
SNP_P1_243909_6544	NW_004517072.1	Scaffold2010	6544	GG	AA	1940511246
SNP_P1_243911_6879	NW_004517072.1	Scaffold2010	6879	CC	AA	1940511248
SNP_P1_243912_6917	NW_004517072.1	Scaffold2010	6917	CC	TT	1940511250
SNP_P1_243913_7016	NW_004517072.1	Scaffold2010	7016	TT	GG	1940511252
SNP_P1_243914_7254	NW_004517072.1	Scaffold2010	7254	TT	CC	1940511255
SNP_P1_243915_7484	NW_004517072.1	Scaffold2010	7484	GG	AA	1940511257
SNP_P1_243916_7532	NW_004517072.1	Scaffold2010	7532	CC	AA	1940511259
SNP_P1_243917_7575	NW_004517072.1	Scaffold2010	7575	AA	CC	1940511261
SNP_P1_243919_8148	NW_004517072.1	Scaffold2010	8148	CC	TT	1940511263
SNP_P1_243920_8235	NW_004517072.1	Scaffold2010	8235	TT	CC	1940511268
SNP_P1_243921_8336	NW_004517072.1	Scaffold2010	8336	AA	GG	1940511270

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243923_8411	NW_004517072.1	Scaffold2010	8411	GG	TT	1940511275
SNP_P1_243924_1589	NW_004517078.1	Scaffold2017	1589	AA	GG	1940511277
SNP_P1_243925_1697	NW_004517078.1	Scaffold2017	1697	AA	CC	1940511279
SNP_P1_243926_1708	NW_004517078.1	Scaffold2017	1708	GG	TT	1940511281
SNP_P1_243927_1719	NW_004517078.1	Scaffold2017	1719	TT	GG	1940511283
SNP_P1_243928_1895	NW_004517078.1	Scaffold2017	1895	CC	TT	1940511285
SNP_P1_243929_1156	NW_004517079.1	Scaffold2018	1156	CC	AA	1940511287
SNP_P1_243930_2359	NW_004517079.1	Scaffold2018	2359	CC	TT	1940511290
SNP_P1_243931_2520	NW_004517079.1	Scaffold2018	2520	AA	GG	1940511292
SNP_P1_243932_2802	NW_004517079.1	Scaffold2018	2802	TT	GG	1940511294
SNP_P1_243933_4172	NW_004517079.1	Scaffold2018	4172	AA	GG	1940511296
SNP_P1_243935_5396	NW_004517079.1	Scaffold2018	5396	CC	TT	1940511298
SNP_P1_243936_5538	NW_004517079.1	Scaffold2018	5538	TT	AA	1940511300
SNP_P1_243937_5832	NW_004517079.1	Scaffold2018	5832	AA	CC	1940511302
SNP_P1_243938_6384	NW_004517079.1	Scaffold2018	6384	CC	TT	1940511304
SNP_P1_243940_13979	NW_004517079.1	Scaffold2018	13979	TT	AA	1940511307
SNP_P1_243941_14907	NW_004517079.1	Scaffold2018	14907	TT	GG	1940511309
SNP_P1_243943_18029	NW_004517079.1	Scaffold2018	18029	TT	CC	1940511311
SNP_P1_243944_18262	NW_004517079.1	Scaffold2018	18262	TT	CC	1940511313
SNP_P1_243945_18723	NW_004517079.1	Scaffold2018	18723	AA	TT	1940511315
SNP_P1_243946_19823	NW_004517079.1	Scaffold2018	19823	AA	GG	1940511317
SNP_P1_243947_20572	NW_004517079.1	Scaffold2018	20572	CC	TT	1940511319
SNP_P1_243948_21454	NW_004517079.1	Scaffold2018	21454	CC	AA	1940511322
SNP_P1_243949_21455	NW_004517079.1	Scaffold2018	21455	TT	CC	1940511324
SNP_P1_243950_21923	NW_004517079.1	Scaffold2018	21923	TT	CC	1940511326
SNP_P1_243951_21997	NW_004517079.1	Scaffold2018	21997	AA	TT	1940511328
SNP_P1_243952_22004	NW_004517079.1	Scaffold2018	22004	GG	AA	1940511330
SNP_P1_243953_22020	NW_004517079.1	Scaffold2018	22020	TT	GG	1940511332
SNP_P1_243954_22028	NW_004517079.1	Scaffold2018	22028	AA	GG	1940511334
SNP_P1_243955_22937	NW_004517079.1	Scaffold2018	22937	CC	TT	1940511336
SNP_P1_243956_23357	NW_004517079.1	Scaffold2018	23357	CC	AA	1940511339
SNP_P1_243957_23807	NW_004517079.1	Scaffold2018	23807	GG	AA	1940511341
SNP_P1_243958_25652	NW_004517079.1	Scaffold2018	25652	CC	TT	1940511343
SNP_P1_243960_27539	NW_004517079.1	Scaffold2018	27539	CC	TT	1940511345
SNP_P1_243961_27551	NW_004517079.1	Scaffold2018	27551	GG	AA	1940511347
SNP_P1_243963_27579	NW_004517079.1	Scaffold2018	27579	GG	TT	1940511349
SNP_P1_243964_27584	NW_004517079.1	Scaffold2018	27584	CC	GG	1940511351
SNP_P1_243965_27587	NW_004517079.1	Scaffold2018	27587	AA	GG	1940511353
SNP_P1_243966_27749	NW_004517079.1	Scaffold2018	27749	TT	CC	1940511356
SNP_P1_243967_27752	NW_004517079.1	Scaffold2018	27752	GG	CC	1940511358
SNP_P1_243968_27816	NW_004517079.1	Scaffold2018	27816	TT	CC	1940511360

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_243971_28388	NW_004517079.1	Scaffold2018	28388	GG	TT	1940511364
SNP_P1_243972_28488	NW_004517079.1	Scaffold2018	28488	AA	TT	1940511365
SNP_P1_243973_28571	NW_004517079.1	Scaffold2018	28571	GG	TT	1940511368
SNP_P1_243974_28607	NW_004517079.1	Scaffold2018	28607	TT	CC	1940511370
SNP_P1_243975_6383	NW_004517080.1	Scaffold2020	6383	AA	TT	1940511372
SNP_P1_243976_6391	NW_004517080.1	Scaffold2020	6391	TT	CC	1940511374
SNP_P1_243977_6913	NW_004517080.1	Scaffold2020	6913	AA	GG	1940511376
SNP_P1_243978_6944	NW_004517080.1	Scaffold2020	6944	TT	AA	1940511378
SNP_P1_243979_7375	NW_004517080.1	Scaffold2020	7375	GG	AA	1940511379
SNP_P1_243980_7383	NW_004517080.1	Scaffold2020	7383	TT	AA	1940511380
SNP_P1_243981_7409	NW_004517080.1	Scaffold2020	7409	TT	CC	1940511383
SNP_P1_243982_7416	NW_004517080.1	Scaffold2020	7416	GG	AA	1940511385
SNP_P1_243983_7459	NW_004517080.1	Scaffold2020	7459	CC	AA	1940511387
SNP_P1_243984_7495	NW_004517080.1	Scaffold2020	7495	GG	TT	1940511389
SNP_P1_243986_7507	NW_004517080.1	Scaffold2020	7507	CC	GG	1940511391
SNP_P1_243987_7565	NW_004517080.1	Scaffold2020	7565	AA	CC	1940511393
SNP_P1_243988_7579	NW_004517080.1	Scaffold2020	7579	CC	TT	1940511395
SNP_P1_243989_7582	NW_004517080.1	Scaffold2020	7582	TT	AA	1940511397
SNP_P1_243990_7616	NW_004517080.1	Scaffold2020	7616	TT	GG	1940511400
SNP_P1_243991_7668	NW_004517080.1	Scaffold2020	7668	TT	CC	1940511402
SNP_P1_243992_7687	NW_004517080.1	Scaffold2020	7687	AA	GG	1940511404
SNP_P1_243993_7697	NW_004517080.1	Scaffold2020	7697	AA	CC	1940511406
SNP_P1_243994_7712	NW_004517080.1	Scaffold2020	7712	CC	TT	1940511408
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SNP_P1_243996_7839	NW_004517080.1	Scaffold2020	7839	AA	CC	1940511412
SNP_P1_243997_7859	NW_004517080.1	Scaffold2020	7859	CC	TT	1940511414
SNP_P1_243998_7863	NW_004517080.1	Scaffold2020	7863	TT	AA	1940511417
SNP_P1_244000_11910	NW_004517080.1	Scaffold2020	11910	AA	TT	1940511419
SNP_P1_244001_13523	NW_004517080.1	Scaffold2020	13523	TT	CC	1940511421
SNP_P1_244002_13584	NW_004517080.1	Scaffold2020	13584	TT	AA	1940511423
SNP_P1_244003_13716	NW_004517080.1	Scaffold2020	13716	CC	TT	1940511425
SNP_P1_244004_14066	NW_004517080.1	Scaffold2020	14066	CC	GG	1940511427
SNP_P1_244005_1399	NW_004517082.1	Scaffold2022	1399	CC	GG	1940511429
SNP_P1_244006_4672	NW_004517082.1	Scaffold2022	4672	TT	CC	1940511431
SNP_P1_244007_22686	NW_004517082.1	Scaffold2022	22686	AA	GG	1940511434
SNP_P1_244009_47139	NW_004517082.1	Scaffold2022	47139	GG	TT	1940511436
SNP_P1_244010_58913	NW_004517082.1	Scaffold2022	58913	AA	TT	1940511438
SNP_P1_244011_61333	NW_004517082.1	Scaffold2022	61333	TT	GG	1940511440
SNP_P1_244012_66734	NW_004517082.1	Scaffold2022	66734	AA	TT	1940511442
SNP_P1_244013_83040	NW_004517082.1	Scaffold2022	83040	AA	GG	1940511444
SNP_P1_244014_83090	NW_004517082.1	Scaffold2022	83090	CC	TT	1940511446

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244016_110146	NW_004517082.1	Scaffold2022	110146	TT	CC	1940511451
SNP_P1_244017_110161	NW_004517082.1	Scaffold2022	110161	TT	CC	1940511453
SNP_P1_244019_110529	NW_004517082.1	Scaffold2022	110529	TT	CC	1940511455
SNP_P1_244020_110635	NW_004517082.1	Scaffold2022	110635	GG	AA	1940511457
SNP_P1_244021_110669	NW_004517082.1	Scaffold2022	110669	CC	TT	1940511459
SNP_P1_244022_110683	NW_004517082.1	Scaffold2022	110683	TT	CC	1940511461
SNP_P1_244023_110761	NW_004517082.1	Scaffold2022	110761	AA	TT	1940511463
SNP_P1_244024_110790	NW_004517082.1	Scaffold2022	110790	AA	GG	1940511466
SNP_P1_244025_110809	NW_004517082.1	Scaffold2022	110809	TT	CC	1940511468
SNP_P1_244026_110823	NW_004517082.1	Scaffold2022	110823	TT	CC	1940511470
SNP_P1_244027_113421	NW_004517082.1	Scaffold2022	113421	AA	GG	1940511472
SNP_P1_244028_114406	NW_004517082.1	Scaffold2022	114406	CC	AA	1940511474
SNP_P1_244029_115189	NW_004517082.1	Scaffold2022	115189	TT	CC	1940511476
SNP_P1_244030_115305	NW_004517082.1	Scaffold2022	115305	CC	TT	1940511478
SNP_P1_244031_116183	NW_004517082.1	Scaffold2022	116183	TT	CC	1940511480
SNP_P1_244032_116269	NW_004517082.1	Scaffold2022	116269	AA	CC	1940511483
SNP_P1_244033_116492	NW_004517082.1	Scaffold2022	116492	AA	TT	1940511485
SNP_P1_244034_116498	NW_004517082.1	Scaffold2022	116498	CC	AA	1940511487
SNP_P1_244035_130443	NW_004517082.1	Scaffold2022	130443	GG	AA	1940511489
SNP_P1_244036_132097	NW_004517082.1	Scaffold2022	132097	CC	AA	1940511491
SNP_P1_244038_132541	NW_004517082.1	Scaffold2022	132541	GG	CC	1940511493
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SNP_P1_244041_135844	NW_004517082.1	Scaffold2022	135844	CC	TT	1940511499
SNP_P1_244042_136191	NW_004517082.1	Scaffold2022	136191	TT	AA	1940511502
SNP_P1_244043_136194	NW_004517082.1	Scaffold2022	136194	TT	GG	1940511504
SNP_P1_244044_136212	NW_004517082.1	Scaffold2022	136212	GG	AA	1940511506
SNP_P1_244045_136215	NW_004517082.1	Scaffold2022	136215	CC	TT	1940511508
SNP_P1_244046_136221	NW_004517082.1	Scaffold2022	136221	CC	AA	1940511510
SNP_P1_244047_136299	NW_004517082.1	Scaffold2022	136299	GG	AA	1940511512
SNP_P1_244048_136522	NW_004517082.1	Scaffold2022	136522	TT	CC	1940511514
SNP_P1_244049_136540	NW_004517082.1	Scaffold2022	136540	AA	GG	1940511517
SNP_P1_244050_136640	NW_004517082.1	Scaffold2022	136640	AA	GG	1940511519
SNP_P1_244051_136756	NW_004517082.1	Scaffold2022	136756	CC	TT	1940511521
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SNP_P1_244053_136772	NW_004517082.1	Scaffold2022	136772	TT	CC	1940511525
SNP_P1_244054_136798	NW_004517082.1	Scaffold2022	136798	CC	TT	1940511527
SNP_P1_244055_136873	NW_004517082.1	Scaffold2022	136873	CC	TT	1940511529
SNP_P1_244056_136909	NW_004517082.1	Scaffold2022	136909	GG	AA	1940511531
SNP_P1_244057_138987	NW_004517082.1	Scaffold2022	138987	GG	TT	1940511533
SNP_P1_244058_139032	NW_004517082.1	Scaffold2022	139032	TT	CC	1940511536

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_244059_139045	NW_004517082.1	Scaffold2022	139045	CC	TT	1940511538
SNP_P1_244060_139052	NW_004517082.1	Scaffold2022	139052	GG	AA	1940511540
SNP_P1_244061_139059	NW_004517082.1	Scaffold2022	139059	AA	GG	1940511542
SNP_P1_244062_139101	NW_004517082.1	Scaffold2022	139101	AA	GG	1940511544
SNP_P1_244063_139191	NW_004517082.1	Scaffold2022	139191	AA	TT	1940511546
SNP_P1_244064_139261	NW_004517082.1	Scaffold2022	139261	AA	GG	1940511548
SNP_P1_244065_139265	NW_004517082.1	Scaffold2022	139265	TT	CC	1940511551
SNP_P1_244066_139308	NW_004517082.1	Scaffold2022	139308	CC	AA	1940511553
SNP_P1_244067_139309	NW_004517082.1	Scaffold2022	139309	AA	GG	1940511555
SNP_P1_244068_139335	NW_004517082.1	Scaffold2022	139335	TT	CC	1940511557
SNP_P1_244069_141057	NW_004517082.1	Scaffold2022	141057	TT	CC	1940511559
SNP_P1_244070_155545	NW_004517082.1	Scaffold2022	155545	AA	CC	1940511561
SNP_P1_244071_155554	NW_004517082.1	Scaffold2022	155554	AA	GG	1940511563
SNP_P1_244072_155561	NW_004517082.1	Scaffold2022	155561	CC	TT	1940511565
SNP_P1_244073_155582	NW_004517082.1	Scaffold2022	155582	AA	GG	1940511567
SNP_P1_244074_155636	NW_004517082.1	Scaffold2022	155636	TT	AA	1940511569
SNP_P1_244075_155654	NW_004517082.1	Scaffold2022	155654	GG	AA	1940511572
SNP_P1_244076_155731	NW_004517082.1	Scaffold2022	155731	AA	CC	1940511574
SNP_P1_244077_155873	NW_004517082.1	Scaffold2022	155873	TT	CC	1940511576
SNP_P1_244078_156043	NW_004517082.1	Scaffold2022	156043	GG	AA	1940511578
SNP_P1_244079_156053	NW_004517082.1	Scaffold2022	156053	GG	AA	1940511581
SNP_P1_244080_156061	NW_004517082.1	Scaffold2022	156061	CC	TT	1940511583
SNP_P1_244081_158898	NW_004517082.1	Scaffold2022	158898	AA	GG	1940511585
SNP_P1_244082_158923	NW_004517082.1	Scaffold2022	158923	AA	TT	1940511587
SNP_P1_244083_158928	NW_004517082.1	Scaffold2022	158928	TT	GG	1940511589
SNP_P1_244084_158940	NW_004517082.1	Scaffold2022	158940	AA	TT	1940511591
SNP_P1_244085_158978	NW_004517082.1	Scaffold2022	158978	GG	TT	1940511593
SNP_P1_244086_158982	NW_004517082.1	Scaffold2022	158982	CC	TT	1940511596
SNP_P1_244087_162376	NW_004517082.1	Scaffold2022	162376	TT	CC	1940511598
SNP_P1_244088_162428	NW_004517082.1	Scaffold2022	162428	TT	AA	1940511600
SNP_P1_244090_98	NW_004517084.1	Scaffold2024	98	TT	CC	1940511602
SNP_P1_244091_769	NW_004517084.1	Scaffold2024	769	TT	CC	1940511604
SNP_P1_244092_1623	NW_004517084.1	Scaffold2024	1623	GG	AA	1940511606
SNP_P1_244093_1839	NW_004517084.1	Scaffold2024	1839	TT	CC	1940511608
SNP_P1_244095_1987	NW_004517084.1	Scaffold2024	1987	TT	CC	1940511610
SNP_P1_244096_2050	NW_004517084.1	Scaffold2024	2050	GG	TT	1940511612
SNP_P1_244097_2070	NW_004517084.1	Scaffold2024	2070	AA	CC	1940511615
SNP_P1_244098_2218	NW_004517084.1	Scaffold2024	2218	GG	TT	1940511617
SNP_P1_244099_2246	NW_004517084.1	Scaffold2024	2246	TT	GG	1940511619
SNP_P1_244100_2285	NW_004517084.1	Scaffold2024	2285	AA	TT	1940511621
SNP_P1_244101_2301	NW_004517084.1	Scaffold2024	2301	TT	CC	1940511623
SNP_P1_244102_2414	NW_004517084.1	Scaffold2024	2414	GG	AA	1940511625

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_244103_2459	NW_004517084.1	Scaffold2024	2459	AA	GG	1940511627
SNP_P1_244104_2829	NW_004517084.1	Scaffold2024	2829	CC	TT	1940511629
SNP_P1_244105_2846	NW_004517084.1	Scaffold2024	2846	AA	CC	1940511632
SNP_P1_244106_3901	NW_004517084.1	Scaffold2024	3901	TT	CC	1940511634
SNP_P1_244107_4000	NW_004517084.1	Scaffold2024	4000	CC	TT	1940511636
SNP_P1_244108_4213	NW_004517084.1	Scaffold2024	4213	TT	GG	1940511638
SNP_P1_244109_4309	NW_004517084.1	Scaffold2024	4309	GG	AA	1940511640
SNP_P1_244110_4364	NW_004517084.1	Scaffold2024	4364	GG	AA	1940511642
SNP_P1_244111_4757	NW_004517084.1	Scaffold2024	4757	CC	AA	1940511644
SNP_P1_244112_4815	NW_004517084.1	Scaffold2024	4815	CC	GG	1940511646
SNP_P1_244113_1889	NW_004517086.1	Scaffold2026	1889	AA	GG	1940511649
SNP_P1_244114_4466	NW_004517086.1	Scaffold2026	4466	TT	CC	1940511651
SNP_P1_244115_4485	NW_004517086.1	Scaffold2026	4485	AA	GG	1940511653
SNP_P1_244116_4489	NW_004517086.1	Scaffold2026	4489	AA	GG	1940511655
SNP_P1_244117_4491	NW_004517086.1	Scaffold2026	4491	GG	AA	1940511657
SNP_P1_244118_4516	NW_004517086.1	Scaffold2026	4516	GG	AA	1940511659
SNP_P1_244119_4783	NW_004517086.1	Scaffold2026	4783	GG	AA	1940511661
SNP_P1_244120_5188	NW_004517086.1	Scaffold2026	5188	AA	CC	1940511663
SNP_P1_244121_5192	NW_004517086.1	Scaffold2026	5192	AA	GG	1940511666
SNP_P1_244122_5220	NW_004517086.1	Scaffold2026	5220	CC	TT	1940511668
SNP_P1_244123_5239	NW_004517086.1	Scaffold2026	5239	AA	GG	1940511670
SNP_P1_244124_5264	NW_004517086.1	Scaffold2026	5264	TT	CC	1940511672
SNP_P1_244125_6234	NW_004517086.1	Scaffold2026	6234	TT	AA	1940511674
SNP_P1_244126_6526	NW_004517086.1	Scaffold2026	6526	TT	CC	1940511676
SNP_P1_244127_452	NW_004517087.1	Scaffold2027	452	GG	TT	1940511678
SNP_P1_244128_711	NW_004517087.1	Scaffold2027	711	TT	AA	1940511680
SNP_P1_244130_2687	NW_004517087.1	Scaffold2027	2687	AA	GG	1940511683
SNP_P1_244131_2854	NW_004517087.1	Scaffold2027	2854	AA	TT	1940511685
SNP_P1_244132_3025	NW_004517087.1	Scaffold2027	3025	GG	AA	1940511687
SNP_P1_244133_36168	NW_004517087.1	Scaffold2027	36168	AA	GG	1940511689
SNP_P1_244134_45807	NW_004517087.1	Scaffold2027	45807	GG	TT	1940511691
SNP_P1_244135_49733	NW_004517087.1	Scaffold2027	49733	AA	GG	1940511693
SNP_P1_244136_52230	NW_004517087.1	Scaffold2027	52230	CC	TT	1940511695
SNP_P1_244137_52647	NW_004517087.1	Scaffold2027	52647	CC	AA	1940511697
SNP_P1_244138_54597	NW_004517087.1	Scaffold2027	54597	CC	GG	1940511700
SNP_P1_244139_55625	NW_004517087.1	Scaffold2027	55625	AA	GG	1940511702
SNP_P1_244140_56069	NW_004517087.1	Scaffold2027	56069	AA	GG	1940511704
SNP_P1_244141_56181	NW_004517087.1	Scaffold2027	56181	AA	GG	1940511706
SNP_P1_244142_56276	NW_004517087.1	Scaffold2027	56276	TT	AA	1940511708
SNP_P1_244143_56301	NW_004517087.1	Scaffold2027	56301	AA	TT	1940511710
SNP_P1_244144_56310	NW_004517087.1	Scaffold2027	56310	CC	TT	1940511712
SNP_P1_244145_56312	NW_004517087.1	Scaffold2027	56312	TT	GG	1940511714

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_244146_56956	NW_004517087.1	Scaffold2027	56956	GG	AA	1940511716
SNP_P1_244147_61457	NW_004517087.1	Scaffold2027	61457	GG	TT	1940511718
SNP_P1_244149_119278	NW_004517087.1	Scaffold2027	119278	TT	CC	1940511721
SNP_P1_244150_119528	NW_004517087.1	Scaffold2027	119528	TT	GG	1940511723
SNP_P1_244151_119641	NW_004517087.1	Scaffold2027	119641	AA	TT	1940511725
SNP_P1_244152_119721	NW_004517087.1	Scaffold2027	119721	GG	AA	1940511727
SNP_P1_244153_138467	NW_004517087.1	Scaffold2027	138467	GG	TT	1940511729
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SNP_P1_244155_141827	NW_004517087.1	Scaffold2027	141827	AA	GG	1940511733
SNP_P1_244156_141973	NW_004517087.1	Scaffold2027	141973	AA	CC	1940511735
SNP_P1_244157_160045	NW_004517087.1	Scaffold2027	160045	TT	CC	1940511738
SNP_P1_244158_160048	NW_004517087.1	Scaffold2027	160048	TT	CC	1940511740
SNP_P1_244159_160057	NW_004517087.1	Scaffold2027	160057	AA	TT	1940511742
SNP_P1_244160_160116	NW_004517087.1	Scaffold2027	160116	AA	GG	1940511744
SNP_P1_244161_160654	NW_004517087.1	Scaffold2027	160654	AA	GG	1940511746
SNP_P1_244162_160734	NW_004517087.1	Scaffold2027	160734	TT	CC	1940511748
SNP_P1_244163_161554	NW_004517087.1	Scaffold2027	161554	TT	CC	1940511750
SNP_P1_244164_85	NW_004517090.1	Scaffold2030	85	TT	GG	1940511752
SNP_P1_244165_161	NW_004517090.1	Scaffold2030	161	AA	GG	1940511754
SNP_P1_244166_468	NW_004517090.1	Scaffold2030	468	AA	GG	1940511756
SNP_P1_244167_470	NW_004517090.1	Scaffold2030	470	GG	TT	1940511759
SNP_P1_244168_3391	NW_004517090.1	Scaffold2030	3391	TT	GG	1940511761
SNP_P1_244169_3425	NW_004517090.1	Scaffold2030	3425	TT	CC	1940511763
SNP_P1_244170_3572	NW_004517090.1	Scaffold2030	3572	AA	TT	1940511765
SNP_P1_244171_3643	NW_004517090.1	Scaffold2030	3643	CC	AA	1940511767
SNP_P1_244172_3722	NW_004517090.1	Scaffold2030	3722	GG	TT	1940511769
SNP_P1_244173_4574	NW_004517090.1	Scaffold2030	4574	GG	CC	1940511771
SNP_P1_244175_4609	NW_004517090.1	Scaffold2030	4609	AA	GG	1940511773
SNP_P1_244176_5024	NW_004517090.1	Scaffold2030	5024	AA	GG	1940511775
SNP_P1_244177_5074	NW_004517090.1	Scaffold2030	5074	GG	TT	1940511777
SNP_P1_244178_5093	NW_004517090.1	Scaffold2030	5093	TT	AA	1940511780
SNP_P1_244179_7872	NW_004517090.1	Scaffold2030	7872	AA	GG	1940511782
SNP_P1_244181_653	NW_004517092.1	Scaffold2033	653	TT	CC	1940511784
SNP_P1_244182_876	NW_004517092.1	Scaffold2033	876	GG	AA	1940511786
SNP_P1_244183_881	NW_004517092.1	Scaffold2033	881	AA	GG	1940511788
SNP_P1_244184_1992	NW_004517092.1	Scaffold2033	1992	GG	AA	1940511790
SNP_P1_244185_7092	NW_004517092.1	Scaffold2033	7092	AA	TT	1940511792
SNP_P1_244186_8827	NW_004517092.1	Scaffold2033	8827	TT	CC	1940511794
SNP_P1_244187_8828	NW_004517092.1	Scaffold2033	8828	TT	CC	1940511797
SNP_P1_244188_15489	NW_004517092.1	Scaffold2033	15489	CC	TT	1940511799
SNP_P1_244189_15500	NW_004517092.1	Scaffold2033	15500	CC	AA	1940511801
SNP_P1_244190_15880	NW_004517092.1	Scaffold2033	15880	GG	AA	1940511803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_244191_19598	NW_004517092.1	Scaffold2033	19598	AA	GG	1940511805
SNP_P1_244192_21063	NW_004517092.1	Scaffold2033	21063	TT	CC	1940511807
SNP_P1_244193_25020	NW_004517092.1	Scaffold2033	25020	CC	TT	1940511809
SNP_P1_244194_25026	NW_004517092.1	Scaffold2033	25026	CC	TT	1940511811
SNP_P1_244195_55326	NW_004517092.1	Scaffold2033	55326	GG	TT	1940511814
SNP_P1_244196_66311	NW_004517092.1	Scaffold2033	66311	GG	AA	1940511816
SNP_P1_244197_66315	NW_004517092.1	Scaffold2033	66315	AA	GG	1940511818
SNP_P1_244198_66321	NW_004517092.1	Scaffold2033	66321	GG	AA	1940511820
SNP_P1_244199_66352	NW_004517092.1	Scaffold2033	66352	AA	GG	1940511822
SNP_P1_244200_66380	NW_004517092.1	Scaffold2033	66380	CC	TT	1940511824
SNP_P1_244201_66429	NW_004517092.1	Scaffold2033	66429	AA	TT	1940511826
SNP_P1_244202_66446	NW_004517092.1	Scaffold2033	66446	GG	AA	1940511829
SNP_P1_244203_66457	NW_004517092.1	Scaffold2033	66457	TT	AA	1940511831
SNP_P1_244204_66629	NW_004517092.1	Scaffold2033	66629	AA	CC	1940511833
SNP_P1_244205_67741	NW_004517092.1	Scaffold2033	67741	TT	GG	1940511835
SNP_P1_244206_78585	NW_004517092.1	Scaffold2033	78585	AA	GG	1940511837
SNP_P1_244207_89482	NW_004517092.1	Scaffold2033	89482	AA	CC	1940511839
SNP_P1_244209_108476	NW_004517092.1	Scaffold2033	108476	GG	AA	1940511841
SNP_P1_244210_108765	NW_004517092.1	Scaffold2033	108765	AA	CC	1940511843
SNP_P1_244212_165116	NW_004517092.1	Scaffold2033	165116	TT	AA	1940511846
SNP_P1_244213_165495	NW_004517092.1	Scaffold2033	165495	GG	TT	1940511848
SNP_P1_244214_180988	NW_004517092.1	Scaffold2033	180988	TT	CC	1940511850
SNP_P1_244215_180994	NW_004517092.1	Scaffold2033	180994	CC	TT	1940511852
SNP_P1_244216_181003	NW_004517092.1	Scaffold2033	181003	GG	TT	1940511854
SNP_P1_244217_181353	NW_004517092.1	Scaffold2033	181353	TT	CC	1940511856
SNP_P1_244218_182501	NW_004517092.1	Scaffold2033	182501	TT	CC	1940511858
SNP_P1_244219_183740	NW_004517092.1	Scaffold2033	183740	GG	AA	1940511860
SNP_P1_244221_183898	NW_004517092.1	Scaffold2033	183898	CC	GG	1940511863
SNP_P1_244222_183929	NW_004517092.1	Scaffold2033	183929	TT	AA	1940511865
SNP_P1_244223_183963	NW_004517092.1	Scaffold2033	183963	GG	TT	1940511867
SNP_P1_244224_184007	NW_004517092.1	Scaffold2033	184007	GG	AA	1940511869
SNP_P1_244225_184160	NW_004517092.1	Scaffold2033	184160	AA	TT	1940511871
SNP_P1_244226_184231	NW_004517092.1	Scaffold2033	184231	AA	GG	1940511873
SNP_P1_244227_184279	NW_004517092.1	Scaffold2033	184279	AA	GG	1940511875
SNP_P1_244228_184280	NW_004517092.1	Scaffold2033	184280	AA	GG	1940511877
SNP_P1_244229_184304	NW_004517092.1	Scaffold2033	184304	CC	GG	1940511880
SNP_P1_244230_184338	NW_004517092.1	Scaffold2033	184338	TT	GG	1940511882
SNP_P1_244231_184424	NW_004517092.1	Scaffold2033	184424	TT	AA	1940511884
SNP_P1_244232_192063	NW_004517092.1	Scaffold2033	192063	TT	AA	1940511886
SNP_P1_244233_520	NW_004517094.1	Scaffold2035	520	AA	CC	1940511888
SNP_P1_244234_30023	NW_004517094.1	Scaffold2035	30023	CC	TT	1940511890
SNP_P1_244235_30029	NW_004517094.1	Scaffold2035	30029	CC	TT	1940511892

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_244236_30326	NW_004517094.1	Scaffold2035	30326	CC	AA	1940511894
SNP_P1_244237_30372	NW_004517094.1	Scaffold2035	30372	GG	TT	1940511896
SNP_P1_244238_8638	NW_004517095.1	Scaffold2036	8638	AA	GG	1940511899
SNP_P1_244239_8705	NW_004517095.1	Scaffold2036	8705	TT	CC	1940511901
SNP_P1_244240_8947	NW_004517095.1	Scaffold2036	8947	GG	AA	1940511903
SNP_P1_244241_8993	NW_004517095.1	Scaffold2036	8993	AA	TT	1940511905
SNP_P1_244242_9101	NW_004517095.1	Scaffold2036	9101	TT	CC	1940511907
SNP_P1_244243_9168	NW_004517095.1	Scaffold2036	9168	CC	AA	1940511909
SNP_P1_244244_9177	NW_004517095.1	Scaffold2036	9177	AA	GG	1940511911
SNP_P1_244245_14749	NW_004517095.1	Scaffold2036	14749	CC	TT	1940511913
SNP_P1_244246_14791	NW_004517095.1	Scaffold2036	14791	CC	TT	1940511916
SNP_P1_244247_14826	NW_004517095.1	Scaffold2036	14826	GG	AA	1940511918
SNP_P1_244248_15076	NW_004517095.1	Scaffold2036	15076	AA	GG	1940511920
SNP_P1_244249_15087	NW_004517095.1	Scaffold2036	15087	CC	GG	1940511922
SNP_P1_244250_15095	NW_004517095.1	Scaffold2036	15095	CC	TT	1940511924
SNP_P1_244251_18766	NW_004517095.1	Scaffold2036	18766	TT	AA	1940511926
SNP_P1_244252_37883	NW_004517095.1	Scaffold2036	37883	AA	GG	1940511928
SNP_P1_244253_43511	NW_004517095.1	Scaffold2036	43511	AA	CC	1940511930
SNP_P1_244254_43538	NW_004517095.1	Scaffold2036	43538	GG	AA	1940511933
SNP_P1_244255_43929	NW_004517095.1	Scaffold2036	43929	CC	TT	1940511935
SNP_P1_244257_48006	NW_004517095.1	Scaffold2036	48006	AA	GG	1940511937
SNP_P1_244258_48018	NW_004517095.1	Scaffold2036	48018	AA	GG	1940511939
SNP_P1_244259_48047	NW_004517095.1	Scaffold2036	48047	TT	CC	1940511941
SNP_P1_244260_48057	NW_004517095.1	Scaffold2036	48057	AA	GG	1940511943
SNP_P1_244261_48069	NW_004517095.1	Scaffold2036	48069	GG	AA	1940511945
SNP_P1_244262_48090	NW_004517095.1	Scaffold2036	48090	GG	AA	1940511947
SNP_P1_244263_48096	NW_004517095.1	Scaffold2036	48096	TT	CC	1940511950
SNP_P1_244264_48108	NW_004517095.1	Scaffold2036	48108	GG	AA	1940511952
SNP_P1_244265_48113	NW_004517095.1	Scaffold2036	48113	GG	AA	1940511954
SNP_P1_244266_48117	NW_004517095.1	Scaffold2036	48117	GG	AA	1940511956
SNP_P1_244267_48123	NW_004517095.1	Scaffold2036	48123	AA	CC	1940511958
SNP_P1_244268_48124	NW_004517095.1	Scaffold2036	48124	GG	TT	1940511960
SNP_P1_244269_51183	NW_004517095.1	Scaffold2036	51183	CC	AA	1940511962
SNP_P1_244270_51536	NW_004517095.1	Scaffold2036	51536	TT	CC	1940511964
SNP_P1_244271_51542	NW_004517095.1	Scaffold2036	51542	GG	AA	1940511967
SNP_P1_244272_51555	NW_004517095.1	Scaffold2036	51555	TT	CC	1940511969
SNP_P1_244273_51583	NW_004517095.1	Scaffold2036	51583	TT	CC	1940511971
SNP_P1_244274_51663	NW_004517095.1	Scaffold2036	51663	AA	CC	1940511973
SNP_P1_244275_51705	NW_004517095.1	Scaffold2036	51705	GG	CC	1940511975
SNP_P1_244276_57296	NW_004517095.1	Scaffold2036	57296	TT	CC	1940511977
SNP_P1_244277_57299	NW_004517095.1	Scaffold2036	57299	CC	AA	1940511979
SNP_P1_244278_57604	NW_004517095.1	Scaffold2036	57604	TT	AA	1940511981

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_244279_57639	NW_004517095.1	Scaffold2036	57639	AA	GG	1940511983
SNP_P1_244280_57734	NW_004517095.1	Scaffold2036	57734	AA	GG	1940511985
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SNP_P1_244284_73449	NW_004517095.1	Scaffold2036	73449	CC	AA	1940511994
SNP_P1_244285_73453	NW_004517095.1	Scaffold2036	73453	TT	GG	1940511996
SNP_P1_244286_73476	NW_004517095.1	Scaffold2036	73476	TT	CC	1940511998
SNP_P1_244287_73486	NW_004517095.1	Scaffold2036	73486	GG	AA	1940512000
SNP_P1_244288_73501	NW_004517095.1	Scaffold2036	73501	AA	CC	1940512002
SNP_P1_244289_73502	NW_004517095.1	Scaffold2036	73502	AA	CC	1940512004
SNP_P1_244290_73504	NW_004517095.1	Scaffold2036	73504	CC	TT	1940512006
SNP_P1_244291_73561	NW_004517095.1	Scaffold2036	73561	AA	CC	1940512009
SNP_P1_244292_75911	NW_004517095.1	Scaffold2036	75911	TT	CC	1940512011
SNP_P1_244295_106826	NW_004517095.1	Scaffold2036	106826	CC	TT	1940512013
SNP_P1_244296_117624	NW_004517095.1	Scaffold2036	117624	AA	TT	1940512015
SNP_P1_244297_118007	NW_004517095.1	Scaffold2036	118007	CC	AA	1940512017
SNP_P1_244298_126658	NW_004517095.1	Scaffold2036	126658	TT	AA	1940512019
SNP_P1_244299_142036	NW_004517095.1	Scaffold2036	142036	AA	GG	1940512021
SNP_P1_244302_157607	NW_004517095.1	Scaffold2036	157607	AA	GG	1940512023
SNP_P1_244303_157689	NW_004517095.1	Scaffold2036	157689	CC	TT	1940512026
SNP_P1_244304_157971	NW_004517095.1	Scaffold2036	157971	CC	TT	1940512028
SNP_P1_244305_158051	NW_004517095.1	Scaffold2036	158051	CC	TT	1940512030
SNP_P1_244306_158079	NW_004517095.1	Scaffold2036	158079	AA	CC	1940512032
SNP_P1_244307_158112	NW_004517095.1	Scaffold2036	158112	TT	CC	1940512034
SNP_P1_244308_167448	NW_004517095.1	Scaffold2036	167448	TT	AA	1940512036
SNP_P1_244310_179385	NW_004517095.1	Scaffold2036	179385	GG	CC	1940512038
SNP_P1_244311_182687	NW_004517095.1	Scaffold2036	182687	AA	GG	1940512040
SNP_P1_244312_215462	NW_004517095.1	Scaffold2036	215462	AA	GG	1940512043
SNP_P1_244313_215475	NW_004517095.1	Scaffold2036	215475	AA	TT	1940512045
SNP_P1_244316_248798	NW_004517095.1	Scaffold2036	248798	AA	TT	1940512047
SNP_P1_244317_1667	NW_004517096.1	Scaffold2037	1667	AA	TT	1940512049
SNP_P1_244318_2246	NW_004517096.1	Scaffold2037	2246	AA	GG	1940512051
SNP_P1_244319_2276	NW_004517096.1	Scaffold2037	2276	GG	AA	1940512053
SNP_P1_244320_2277	NW_004517096.1	Scaffold2037	2277	GG	CC	1940512055
SNP_P1_244321_2279	NW_004517096.1	Scaffold2037	2279	GG	TT	1940512057
SNP_P1_244322_2280	NW_004517096.1	Scaffold2037	2280	GG	CC	1940512060
SNP_P1_244323_2281	NW_004517096.1	Scaffold2037	2281	GG	AA	1940512062
SNP_P1_244324_2285	NW_004517096.1	Scaffold2037	2285	GG	AA	1940512064
SNP_P1_244325_2289	NW_004517096.1	Scaffold2037	2289	CC	TT	1940512066
SNP_P1_244326_2320	NW_004517096.1	Scaffold2037	2320	CC	TT	1940512068
SNP_P1_244327_3536	NW_004517096.1	Scaffold2037	3536	GG	TT	1940512070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_244328_8288	NW_004517096.1	Scaffold2037	8288	TT	CC	1940512072
SNP_P1_244329_8319	NW_004517096.1	Scaffold2037	8319	TT	GG	1940512074
SNP_P1_244330_8495	NW_004517096.1	Scaffold2037	8495	AA	GG	1940512076
SNP_P1_244331_8504	NW_004517096.1	Scaffold2037	8504	GG	TT	1940512078
SNP_P1_244332_8664	NW_004517096.1	Scaffold2037	8664	TT	GG	1940512080
SNP_P1_244333_8721	NW_004517096.1	Scaffold2037	8721	GG	TT	1940512083
SNP_P1_244334_8722	NW_004517096.1	Scaffold2037	8722	CC	AA	1940512085
SNP_P1_244335_13343	NW_004517096.1	Scaffold2037	13343	TT	AA	1940512087
SNP_P1_244336_19502	NW_004517096.1	Scaffold2037	19502	AA	TT	1940512089
SNP_P1_244337_20326	NW_004517096.1	Scaffold2037	20326	CC	AA	1940512091
SNP_P1_244338_21923	NW_004517096.1	Scaffold2037	21923	AA	TT	1940512093
SNP_P1_244339_30232	NW_004517096.1	Scaffold2037	30232	AA	TT	1940512095
SNP_P1_244340_41960	NW_004517096.1	Scaffold2037	41960	TT	AA	1940512097
SNP_P1_244341_43497	NW_004517096.1	Scaffold2037	43497	GG	TT	1940512100
SNP_P1_244342_43744	NW_004517096.1	Scaffold2037	43744	CC	TT	1940512102
SNP_P1_244344_47520	NW_004517096.1	Scaffold2037	47520	CC	TT	1940512104
SNP_P1_244345_51	NW_004517097.1	Scaffold2039	51	AA	GG	1940512106
SNP_P1_244346_102	NW_004517097.1	Scaffold2039	102	GG	AA	1940512108
SNP_P1_244348_15725	NW_004517097.1	Scaffold2039	15725	AA	GG	1940512110
SNP_P1_244349_20621	NW_004517097.1	Scaffold2039	20621	GG	AA	1940512112
SNP_P1_244350_20646	NW_004517097.1	Scaffold2039	20646	AA	GG	1940512114
SNP_P1_244351_20652	NW_004517097.1	Scaffold2039	20652	GG	AA	1940512117
SNP_P1_244352_20670	NW_004517097.1	Scaffold2039	20670	AA	GG	1940512119
SNP_P1_244353_20692	NW_004517097.1	Scaffold2039	20692	AA	GG	1940512121
SNP_P1_244354_26789	NW_004517097.1	Scaffold2039	26789	AA	GG	1940512123
SNP_P1_244355_28111	NW_004517097.1	Scaffold2039	28111	AA	TT	1940512125
SNP_P1_244356_32328	NW_004517097.1	Scaffold2039	32328	AA	TT	1940512127
SNP_P1_244357_50375	NW_004517097.1	Scaffold2039	50375	TT	CC	1940512129
SNP_P1_244359_54703	NW_004517097.1	Scaffold2039	54703	AA	CC	1940512131
SNP_P1_244361_84466	NW_004517097.1	Scaffold2039	84466	GG	AA	1940512134
SNP_P1_244362_97863	NW_004517097.1	Scaffold2039	97863	TT	CC	1940512136
SNP_P1_244364_161957	NW_004517097.1	Scaffold2039	161957	GG	AA	1940512138
SNP_P1_244365_182537	NW_004517097.1	Scaffold2039	182537	CC	TT	1940512140
SNP_P1_244366_200770	NW_004517097.1	Scaffold2039	200770	AA	GG	1940512142
SNP_P1_244367_202371	NW_004517097.1	Scaffold2039	202371	AA	GG	1940512144
SNP_P1_244368_14515	NW_004517098.1	Scaffold2040	14515	AA	GG	1940512146
SNP_P1_244369_14538	NW_004517098.1	Scaffold2040	14538	AA	GG	1940512148
SNP_P1_244370_14556	NW_004517098.1	Scaffold2040	14556	CC	TT	1940512151
SNP_P1_244371_14906	NW_004517098.1	Scaffold2040	14906	AA	GG	1940512153
SNP_P1_244372_19799	NW_004517098.1	Scaffold2040	19799	CC	TT	1940512155
SNP_P1_244374_20124	NW_004517098.1	Scaffold2040	20124	TT	GG	1940512157
SNP_P1_244375_20182	NW_004517098.1	Scaffold2040	20182	GG	TT	1940512159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244377_20391	NW_004517098.1	Scaffold2040	20391	CC	TT	1940512163
SNP_P1_244378_20587	NW_004517098.1	Scaffold2040	20587	GG	AA	1940512165
SNP_P1_244379_20671	NW_004517098.1	Scaffold2040	20671	AA	GG	1940512167
SNP_P1_244380_20682	NW_004517098.1	Scaffold2040	20682	GG	TT	1940512170
SNP_P1_244381_20819	NW_004517098.1	Scaffold2040	20819	CC	TT	1940512172
SNP_P1_244382_33184	NW_004517098.1	Scaffold2040	33184	CC	TT	1940512174
SNP_P1_244383_35157	NW_004517098.1	Scaffold2040	35157	GG	AA	1940512176
SNP_P1_244384_35197	NW_004517098.1	Scaffold2040	35197	AA	GG	1940512178
SNP_P1_244385_35230	NW_004517098.1	Scaffold2040	35230	TT	CC	1940512180
SNP_P1_244386_35255	NW_004517098.1	Scaffold2040	35255	GG	TT	1940512182
SNP_P1_244387_35611	NW_004517098.1	Scaffold2040	35611	CC	TT	1940512185
SNP_P1_244388_35723	NW_004517098.1	Scaffold2040	35723	AA	GG	1940512187
SNP_P1_244389_49979	NW_004517098.1	Scaffold2040	49979	CC	AA	1940512189
SNP_P1_244390_49981	NW_004517098.1	Scaffold2040	49981	CC	AA	1940512191
SNP_P1_244391_49982	NW_004517098.1	Scaffold2040	49982	AA	CC	1940512193
SNP_P1_244392_49992	NW_004517098.1	Scaffold2040	49992	AA	GG	1940512195
SNP_P1_244393_60751	NW_004517098.1	Scaffold2040	60751	GG	AA	1940512197
SNP_P1_244394_69734	NW_004517098.1	Scaffold2040	69734	GG	TT	1940512199
SNP_P1_244395_69764	NW_004517098.1	Scaffold2040	69764	GG	TT	1940512202
SNP_P1_244396_71437	NW_004517098.1	Scaffold2040	71437	AA	GG	1940512204
SNP_P1_244397_71481	NW_004517098.1	Scaffold2040	71481	AA	GG	1940512206
SNP_P1_244399_80205	NW_004517098.1	Scaffold2040	80205	AA	GG	1940512208
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SNP_P1_244401_81636	NW_004517098.1	Scaffold2040	81636	GG	TT	1940512212
SNP_P1_244403_82962	NW_004517098.1	Scaffold2040	82962	CC	GG	1940512214
SNP_P1_244406_115498	NW_004517098.1	Scaffold2040	115498	TT	AA	1940512216
SNP_P1_244407_115806	NW_004517098.1	Scaffold2040	115806	GG	CC	1940512219
SNP_P1_244408_115839	NW_004517098.1	Scaffold2040	115839	GG	AA	1940512221
SNP_P1_244409_115916	NW_004517098.1	Scaffold2040	115916	TT	CC	1940512223
SNP_P1_244410_115945	NW_004517098.1	Scaffold2040	115945	TT	CC	1940512225
SNP_P1_244411_115950	NW_004517098.1	Scaffold2040	115950	CC	TT	1940512227
SNP_P1_244412_127225	NW_004517098.1	Scaffold2040	127225	AA	GG	1940512229
SNP_P1_244413_127949	NW_004517098.1	Scaffold2040	127949	GG	AA	1940512231
SNP_P1_244414_138283	NW_004517098.1	Scaffold2040	138283	GG	AA	1940512233
SNP_P1_244415_138524	NW_004517098.1	Scaffold2040	138524	CC	TT	1940512236
SNP_P1_244416_139085	NW_004517098.1	Scaffold2040	139085	CC	GG	1940512238
SNP_P1_244417_139776	NW_004517098.1	Scaffold2040	139776	AA	GG	1940512240
SNP_P1_244419_139927	NW_004517098.1	Scaffold2040	139927	CC	TT	1940512242
SNP_P1_244420_139945	NW_004517098.1	Scaffold2040	139945	TT	GG	1940512244
SNP_P1_244421_140004	NW_004517098.1	Scaffold2040	140004	AA	GG	1940512246
SNP_P1_244422_140027	NW_004517098.1	Scaffold2040	140027	TT	CC	1940512248

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244426_159630	NW_004517098.1	Scaffold2040	159630	AA	GG	1940512253
SNP_P1_244427_163384	NW_004517098.1	Scaffold2040	163384	AA	GG	1940512255
SNP_P1_244428_163448	NW_004517098.1	Scaffold2040	163448	GG	AA	1940512257
SNP_P1_244429_163496	NW_004517098.1	Scaffold2040	163496	CC	TT	1940512259
SNP_P1_244430_163733	NW_004517098.1	Scaffold2040	163733	AA	GG	1940512261
SNP_P1_244431_163823	NW_004517098.1	Scaffold2040	163823	CC	TT	1940512263
SNP_P1_244432_163824	NW_004517098.1	Scaffold2040	163824	TT	AA	1940512265
SNP_P1_244433_163837	NW_004517098.1	Scaffold2040	163837	CC	TT	1940512267
SNP_P1_244434_169886	NW_004517098.1	Scaffold2040	169886	AA	GG	1940512270
SNP_P1_244435_172709	NW_004517098.1	Scaffold2040	172709	AA	CC	1940512272
SNP_P1_244436_172714	NW_004517098.1	Scaffold2040	172714	CC	GG	1940512274
SNP_P1_244437_173037	NW_004517098.1	Scaffold2040	173037	AA	GG	1940512276
SNP_P1_244438_173052	NW_004517098.1	Scaffold2040	173052	TT	CC	1940512278
SNP_P1_244439_173107	NW_004517098.1	Scaffold2040	173107	AA	GG	1940512280
SNP_P1_244440_174134	NW_004517098.1	Scaffold2040	174134	CC	TT	1940512282
SNP_P1_244441_174316	NW_004517098.1	Scaffold2040	174316	TT	GG	1940512284
SNP_P1_244442_181076	NW_004517098.1	Scaffold2040	181076	CC	AA	1940512287
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SNP_P1_244444_181135	NW_004517098.1	Scaffold2040	181135	AA	GG	1940512291
SNP_P1_244445_198687	NW_004517098.1	Scaffold2040	198687	AA	GG	1940512293
SNP_P1_244446_200649	NW_004517098.1	Scaffold2040	200649	AA	GG	1940512295
SNP_P1_244447_200895	NW_004517098.1	Scaffold2040	200895	CC	TT	1940512297
SNP_P1_244448_200898	NW_004517098.1	Scaffold2040	200898	GG	AA	1940512299
SNP_P1_244449_200951	NW_004517098.1	Scaffold2040	200951	TT	CC	1940512301
SNP_P1_244450_200977	NW_004517098.1	Scaffold2040	200977	TT	AA	1940512304
SNP_P1_244451_202896	NW_004517098.1	Scaffold2040	202896	TT	CC	1940512306
SNP_P1_244452_207967	NW_004517098.1	Scaffold2040	207967	TT	CC	1940512308
SNP_P1_244453_211521	NW_004517098.1	Scaffold2040	211521	GG	TT	1940512310
SNP_P1_244454_212548	NW_004517098.1	Scaffold2040	212548	GG	CC	1940512312
SNP_P1_244455_212581	NW_004517098.1	Scaffold2040	212581	AA	CC	1940512315
SNP_P1_244456_212630	NW_004517098.1	Scaffold2040	212630	TT	GG	1940512317
SNP_P1_244457_212640	NW_004517098.1	Scaffold2040	212640	AA	CC	1940512319
SNP_P1_244458_212643	NW_004517098.1	Scaffold2040	212643	TT	CC	1940512321
SNP_P1_244459_212670	NW_004517098.1	Scaffold2040	212670	CC	GG	1940512323
SNP_P1_244460_212905	NW_004517098.1	Scaffold2040	212905	TT	GG	1940512325
SNP_P1_244461_243871	NW_004517098.1	Scaffold2040	243871	AA	GG	1940512327
SNP_P1_244462_243953	NW_004517098.1	Scaffold2040	243953	AA	TT	1940512329
SNP_P1_244463_243971	NW_004517098.1	Scaffold2040	243971	CC	GG	1940512332
SNP_P1_244464_243996	NW_004517098.1	Scaffold2040	243996	GG	TT	1940512334
SNP_P1_244465_244057	NW_004517098.1	Scaffold2040	244057	TT	CC	1940512336
SNP_P1_244466_244228	NW_004517098.1	Scaffold2040	244228	GG	AA	1940512338

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244468_413	NW_004517104.1	Scaffold2050	413	GG	CC	1940512342
SNP_P1_244469_481	NW_004517104.1	Scaffold2050	481	TT	CC	1940512344
SNP_P1_244470_3579	NW_004517104.1	Scaffold2050	3579	CC	TT	1940512346
SNP_P1_244471_16000	NW_004517104.1	Scaffold2050	16000	TT	CC	1940512348
SNP_P1_244472_6040	NW_004517105.1	Scaffold2051	6040	CC	TT	1940512351
SNP_P1_244473_6081	NW_004517105.1	Scaffold2051	6081	CC	TT	1940512353
SNP_P1_244475_6382	NW_004517105.1	Scaffold2051	6382	TT	CC	1940512355
SNP_P1_244476_6473	NW_004517105.1	Scaffold2051	6473	AA	GG	1940512357
SNP_P1_244477_6498	NW_004517105.1	Scaffold2051	6498	CC	AA	1940512359
SNP_P1_244478_6575	NW_004517105.1	Scaffold2051	6575	CC	GG	1940512361
SNP_P1_244481_8208	NW_004517105.1	Scaffold2051	8208	AA	GG	1940512363
SNP_P1_244482_8291	NW_004517105.1	Scaffold2051	8291	GG	AA	1940512366
SNP_P1_244483_9558	NW_004517105.1	Scaffold2051	9558	CC	TT	1940512368
SNP_P1_244484_9584	NW_004517105.1	Scaffold2051	9584	TT	AA	1940512370
SNP_P1_244485_9757	NW_004517105.1	Scaffold2051	9757	CC	TT	1940512372
SNP_P1_244486_9906	NW_004517105.1	Scaffold2051	9906	GG	TT	1940512374
SNP_P1_244488_11946	NW_004517105.1	Scaffold2051	11946	TT	GG	1940512376
SNP_P1_244489_12017	NW_004517105.1	Scaffold2051	12017	AA	CC	1940512378
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SNP_P1_244491_12115	NW_004517105.1	Scaffold2051	12115	AA	CC	1940512382
SNP_P1_244492_12244	NW_004517105.1	Scaffold2051	12244	GG	AA	1940512385
SNP_P1_244493_12420	NW_004517105.1	Scaffold2051	12420	TT	CC	1940512387
SNP_P1_244494_14969	NW_004517105.1	Scaffold2051	14969	AA	TT	1940512389
SNP_P1_244495_24811	NW_004517105.1	Scaffold2051	24811	AA	GG	1940512391
SNP_P1_244496_24843	NW_004517105.1	Scaffold2051	24843	GG	TT	1940512393
SNP_P1_244497_32531	NW_004517105.1	Scaffold2051	32531	AA	TT	1940512395
SNP_P1_244498_35252	NW_004517105.1	Scaffold2051	35252	TT	CC	1940512397
SNP_P1_244500_40629	NW_004517105.1	Scaffold2051	40629	CC	GG	1940512399
SNP_P1_244501_40645	NW_004517105.1	Scaffold2051	40645	TT	CC	1940512402
SNP_P1_244502_40656	NW_004517105.1	Scaffold2051	40656	TT	CC	1940512404
SNP_P1_244503_40679	NW_004517105.1	Scaffold2051	40679	GG	AA	1940512406
SNP_P1_244504_40759	NW_004517105.1	Scaffold2051	40759	TT	CC	1940512408
SNP_P1_244505_40787	NW_004517105.1	Scaffold2051	40787	AA	GG	1940512410
SNP_P1_244506_40789	NW_004517105.1	Scaffold2051	40789	TT	CC	1940512412
SNP_P1_244507_40800	NW_004517105.1	Scaffold2051	40800	AA	GG	1940512414
SNP_P1_244508_51603	NW_004517105.1	Scaffold2051	51603	AA	GG	1940512416
SNP_P1_244509_60582	NW_004517105.1	Scaffold2051	60582	CC	TT	1940512419
SNP_P1_244510_76357	NW_004517105.1	Scaffold2051	76357	CC	TT	1940512421
SNP_P1_244511_76364	NW_004517105.1	Scaffold2051	76364	AA	CC	1940512423
SNP_P1_244512_76408	NW_004517105.1	Scaffold2051	76408	TT	CC	1940512425
SNP_P1_244513_76444	NW_004517105.1	Scaffold2051	76444	AA	CC	1940512427

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_244514_76460	NW_004517105.1	Scaffold2051	76460	TT	CC	1940512429
SNP_P1_244515_93303	NW_004517105.1	Scaffold2051	93303	TT	CC	1940512431
SNP_P1_244516_93408	NW_004517105.1	Scaffold2051	93408	TT	AA	1940512433
SNP_P1_244517_93485	NW_004517105.1	Scaffold2051	93485	TT	CC	1940512436
SNP_P1_244518_114393	NW_004517105.1	Scaffold2051	114393	TT	AA	1940512438
SNP_P1_244519_119364	NW_004517105.1	Scaffold2051	119364	AA	GG	1940512440
SNP_P1_244520_141637	NW_004517105.1	Scaffold2051	141637	AA	GG	1940512442
SNP_P1_244521_141650	NW_004517105.1	Scaffold2051	141650	AA	GG	1940512444
SNP_P1_244522_141652	NW_004517105.1	Scaffold2051	141652	TT	AA	1940512446
SNP_P1_244523_141654	NW_004517105.1	Scaffold2051	141654	TT	CC	1940512448
SNP_P1_244524_141663	NW_004517105.1	Scaffold2051	141663	CC	GG	1940512450
SNP_P1_244525_141711	NW_004517105.1	Scaffold2051	141711	TT	CC	1940512453
SNP_P1_244526_141730	NW_004517105.1	Scaffold2051	141730	CC	GG	1940512455
SNP_P1_244527_141943	NW_004517105.1	Scaffold2051	141943	TT	AA	1940512457
SNP_P1_244528_141948	NW_004517105.1	Scaffold2051	141948	TT	CC	1940512459
SNP_P1_244529_141984	NW_004517105.1	Scaffold2051	141984	AA	GG	1940512461
SNP_P1_244530_142064	NW_004517105.1	Scaffold2051	142064	TT	CC	1940512463
SNP_P1_244531_142076	NW_004517105.1	Scaffold2051	142076	AA	GG	1940512465
SNP_P1_244532_142077	NW_004517105.1	Scaffold2051	142077	TT	GG	1940512467
SNP_P1_244533_148163	NW_004517105.1	Scaffold2051	148163	GG	AA	1940512470
SNP_P1_244534_166633	NW_004517105.1	Scaffold2051	166633	CC	TT	1940512472
SNP_P1_244535_166634	NW_004517105.1	Scaffold2051	166634	CC	TT	1940512474
SNP_P1_244536_182771	NW_004517105.1	Scaffold2051	182771	AA	GG	1940512476
SNP_P1_244537_189050	NW_004517105.1	Scaffold2051	189050	GG	AA	1940512478
SNP_P1_244538_189069	NW_004517105.1	Scaffold2051	189069	CC	AA	1940512480
SNP_P1_244539_189080	NW_004517105.1	Scaffold2051	189080	GG	AA	1940512482
SNP_P1_244540_190948	NW_004517105.1	Scaffold2051	190948	TT	CC	1940512484
SNP_P1_244541_190968	NW_004517105.1	Scaffold2051	190968	TT	CC	1940512487
SNP_P1_244542_191096	NW_004517105.1	Scaffold2051	191096	GG	AA	1940512489
SNP_P1_244543_191098	NW_004517105.1	Scaffold2051	191098	TT	GG	1940512491
SNP_P1_244544_191296	NW_004517105.1	Scaffold2051	191296	GG	AA	1940512493
SNP_P1_244545_191336	NW_004517105.1	Scaffold2051	191336	GG	TT	1940512495
SNP_P1_244546_197276	NW_004517105.1	Scaffold2051	197276	AA	CC	1940512497
SNP_P1_244548_204797	NW_004517105.1	Scaffold2051	204797	CC	GG	1940512499
SNP_P1_244549_205597	NW_004517105.1	Scaffold2051	205597	TT	CC	1940512501
SNP_P1_244551_170	NW_004517107.1	Scaffold2054	170	TT	CC	1940512504
SNP_P1_244552_184	NW_004517107.1	Scaffold2054	184	TT	CC	1940512506
SNP_P1_244553_465	NW_004517107.1	Scaffold2054	465	AA	GG	1940512508
SNP_P1_244554_2828	NW_004517108.1	Scaffold2055	2828	TT	GG	1940512509
SNP_P1_244555_1939	NW_004517109.1	Scaffold2056	1939	AA	TT	1940512511
SNP_P1_244556_3457	NW_004517109.1	Scaffold2056	3457	GG	AA	1940512513
SNP_P1_244557_3472	NW_004517109.1	Scaffold2056	3472	CC	TT	1940512516

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_244558_3479	NW_004517109.1	Scaffold2056	3479	TT	GG	1940512518
SNP_P1_244559_3492	NW_004517109.1	Scaffold2056	3492	TT	GG	1940512520
SNP_P1_244560_3729	NW_004517109.1	Scaffold2056	3729	AA	TT	1940512522
SNP_P1_244561_3730	NW_004517109.1	Scaffold2056	3730	CC	TT	1940512524
SNP_P1_244562_3757	NW_004517109.1	Scaffold2056	3757	TT	GG	1940512526
SNP_P1_244563_3779	NW_004517109.1	Scaffold2056	3779	AA	CC	1940512528
SNP_P1_244564_4154	NW_004517109.1	Scaffold2056	4154	TT	GG	1940512530
SNP_P1_244565_7731	NW_004517109.1	Scaffold2056	7731	AA	CC	1940512533
SNP_P1_244566_7740	NW_004517109.1	Scaffold2056	7740	TT	AA	1940512535
SNP_P1_244567_7975	NW_004517109.1	Scaffold2056	7975	TT	CC	1940512537
SNP_P1_244568_819	NW_004517110.1	Scaffold2057	819	GG	AA	1940512539
SNP_P1_244569_4957	NW_004517111.1	Scaffold2062	4957	CC	GG	1940512541
SNP_P1_244570_4988	NW_004517111.1	Scaffold2062	4988	TT	AA	1940512543
SNP_P1_244571_5008	NW_004517111.1	Scaffold2062	5008	TT	AA	1940512545
SNP_P1_244572_5050	NW_004517111.1	Scaffold2062	5050	GG	TT	1940512547
SNP_P1_244573_5203	NW_004517111.1	Scaffold2062	5203	AA	GG	1940512550
SNP_P1_244574_782	NW_004517112.1	Scaffold2063	782	CC	TT	1940512552
SNP_P1_244575_1321	NW_004517113.1	Scaffold2064	1321	TT	CC	1940512554
SNP_P1_244576_1344	NW_004517113.1	Scaffold2064	1344	TT	CC	1940512556
SNP_P1_244578_1379	NW_004517113.1	Scaffold2064	1379	AA	CC	1940512558
SNP_P1_244579_1388	NW_004517113.1	Scaffold2064	1388	CC	GG	1940512560
SNP_P1_244580_1565	NW_004517113.1	Scaffold2064	1565	GG	TT	1940512562
SNP_P1_244581_1620	NW_004517113.1	Scaffold2064	1620	AA	TT	1940512564
SNP_P1_244583_1698	NW_004517113.1	Scaffold2064	1698	AA	TT	1940512567
SNP_P1_244584_7011	NW_004517113.1	Scaffold2064	7011	AA	GG	1940512569
SNP_P1_244585_7287	NW_004517113.1	Scaffold2064	7287	AA	GG	1940512571
SNP_P1_244586_7302	NW_004517113.1	Scaffold2064	7302	AA	CC	1940512573
SNP_P1_244587_7303	NW_004517113.1	Scaffold2064	7303	GG	AA	1940512575
SNP_P1_244588_7321	NW_004517113.1	Scaffold2064	7321	TT	CC	1940512577
SNP_P1_244589_7366	NW_004517113.1	Scaffold2064	7366	AA	GG	1940512579
SNP_P1_244590_7445	NW_004517113.1	Scaffold2064	7445	AA	TT	1940512581
SNP_P1_244591_9114	NW_004517113.1	Scaffold2064	9114	CC	TT	1940512584
SNP_P1_244592_9146	NW_004517113.1	Scaffold2064	9146	AA	GG	1940512586
SNP_P1_244593_9173	NW_004517113.1	Scaffold2064	9173	GG	AA	1940512588
SNP_P1_244594_9178	NW_004517113.1	Scaffold2064	9178	GG	TT	1940512590
SNP_P1_244595_9523	NW_004517113.1	Scaffold2064	9523	GG	TT	1940512592
SNP_P1_244596_9551	NW_004517113.1	Scaffold2064	9551	GG	AA	1940512594
SNP_P1_244597_9566	NW_004517113.1	Scaffold2064	9566	TT	AA	1940512596
SNP_P1_244598_923	NW_004517115.1	Scaffold2066	923	GG	CC	1940512598
SNP_P1_244599_933	NW_004517115.1	Scaffold2066	933	GG	CC	1940512600
SNP_P1_244600_2452	NW_004517115.1	Scaffold2066	2452	GG	CC	1940512603
SNP_P1_244601_2703	NW_004517115.1	Scaffold2066	2703	TT	CC	1940512605

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244603_4153	NW_004517115.1	Scaffold2066	4153	TT	CC	1940512609
SNP_P1_244604_1347	NW_004517118.1	Scaffold2072	1347	GG	TT	1940512611
SNP_P1_244606_3236	NW_004517118.1	Scaffold2072	3236	GG	AA	1940512613
SNP_P1_244607_3239	NW_004517118.1	Scaffold2072	3239	AA	GG	1940512615
SNP_P1_244608_3485	NW_004517118.1	Scaffold2072	3485	TT	GG	1940512617
SNP_P1_244609_3539	NW_004517118.1	Scaffold2072	3539	TT	GG	1940512620
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SNP_P1_244611_5071	NW_004517118.1	Scaffold2072	5071	AA	GG	1940512624
SNP_P1_244612_5303	NW_004517118.1	Scaffold2072	5303	GG	AA	1940512626
SNP_P1_244613_5323	NW_004517118.1	Scaffold2072	5323	TT	CC	1940512628
SNP_P1_244614_5383	NW_004517118.1	Scaffold2072	5383	AA	GG	1940512630
SNP_P1_244615_6689	NW_004517118.1	Scaffold2072	6689	AA	GG	1940512632
SNP_P1_244616_6810	NW_004517118.1	Scaffold2072	6810	GG	AA	1940512634
SNP_P1_244617_6985	NW_004517118.1	Scaffold2072	6985	AA	GG	1940512637
SNP_P1_244618_7138	NW_004517118.1	Scaffold2072	7138	GG	AA	1940512639
SNP_P1_244619_7145	NW_004517118.1	Scaffold2072	7145	GG	TT	1940512641
SNP_P1_244620_9040	NW_004517118.1	Scaffold2072	9040	AA	TT	1940512643
SNP_P1_244621_10638	NW_004517118.1	Scaffold2072	10638	TT	CC	1940512645
SNP_P1_244622_11522	NW_004517118.1	Scaffold2072	11522	CC	TT	1940512647
SNP_P1_244623_11531	NW_004517118.1	Scaffold2072	11531	TT	CC	1940512649
SNP_P1_244624_11679	NW_004517118.1	Scaffold2072	11679	AA	CC	1940512651
SNP_P1_244625_11840	NW_004517118.1	Scaffold2072	11840	CC	TT	1940512654
SNP_P1_244626_11848	NW_004517118.1	Scaffold2072	11848	GG	AA	1940512656
SNP_P1_244627_11899	NW_004517118.1	Scaffold2072	11899	CC	TT	1940512658
SNP_P1_244628_16203	NW_004517118.1	Scaffold2072	16203	CC	GG	1940512660
SNP_P1_244629_32097	NW_004517118.1	Scaffold2072	32097	CC	TT	1940512662
SNP_P1_244630_36504	NW_004517118.1	Scaffold2072	36504	CC	AA	1940512664
SNP_P1_244631_38202	NW_004517118.1	Scaffold2072	38202	CC	TT	1940512666
SNP_P1_244632_38241	NW_004517118.1	Scaffold2072	38241	CC	GG	1940512668
SNP_P1_244633_38262	NW_004517118.1	Scaffold2072	38262	GG	TT	1940512671
SNP_P1_244634_38288	NW_004517118.1	Scaffold2072	38288	TT	GG	1940512673
SNP_P1_244635_38375	NW_004517118.1	Scaffold2072	38375	TT	CC	1940512675
SNP_P1_244636_39039	NW_004517118.1	Scaffold2072	39039	TT	AA	1940512677
SNP_P1_244637_39139	NW_004517118.1	Scaffold2072	39139	AA	GG	1940512679
SNP_P1_244638_39337	NW_004517118.1	Scaffold2072	39337	AA	GG	1940512681
SNP_P1_244639_49650	NW_004517118.1	Scaffold2072	49650	GG	AA	1940512683
SNP_P1_244640_532	NW_004517119.1	Scaffold2074	532	TT	CC	1940512685
SNP_P1_244641_4832	NW_004517119.1	Scaffold2074	4832	CC	TT	1940512688
SNP_P1_244642_4986	NW_004517119.1	Scaffold2074	4986	CC	TT	1940512690
SNP_P1_244643_16990	NW_004517119.1	Scaffold2074	16990	GG	TT	1940512692
SNP_P1_244644_16997	NW_004517119.1	Scaffold2074	16997	AA	TT	1940512694

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244646_17282	NW_004517119.1	Scaffold2074	17282	AA	GG	1940512698
SNP_P1_244647_17402	NW_004517119.1	Scaffold2074	17402	CC	TT	1940512700
SNP_P1_244648_18103	NW_004517119.1	Scaffold2074	18103	AA	GG	1940512702
SNP_P1_244649_3272	NW_004517120.1	Scaffold2075	3272	GG	TT	1940512705
SNP_P1_244650_3774	NW_004517120.1	Scaffold2075	3774	TT	GG	1940512707
SNP_P1_244651_3832	NW_004517120.1	Scaffold2075	3832	AA	GG	1940512709
SNP_P1_244652_4183	NW_004517120.1	Scaffold2075	4183	GG	TT	1940512711
SNP_P1_244653_7038	NW_004517120.1	Scaffold2075	7038	AA	GG	1940512713
SNP_P1_244654_12392	NW_004517120.1	Scaffold2075	12392	TT	GG	1940512715
SNP_P1_244655_12754	NW_004517120.1	Scaffold2075	12754	TT	CC	1940512717
SNP_P1_244656_12777	NW_004517120.1	Scaffold2075	12777	CC	TT	1940512720
SNP_P1_244657_12789	NW_004517120.1	Scaffold2075	12789	CC	TT	1940512722
SNP_P1_244658_913	NW_004517121.1	Scaffold2076	913	CC	TT	1940512724
SNP_P1_244659_928	NW_004517121.1	Scaffold2076	928	CC	TT	1940512726
SNP_P1_244660_1012	NW_004517121.1	Scaffold2076	1012	AA	GG	1940512728
SNP_P1_244661_1287	NW_004517121.1	Scaffold2076	1287	CC	AA	1940512730
SNP_P1_244662_1482	NW_004517121.1	Scaffold2076	1482	AA	GG	1940512732
SNP_P1_244663_1617	NW_004517121.1	Scaffold2076	1617	TT	AA	1940512734
SNP_P1_244664_5363	NW_004517121.1	Scaffold2076	5363	AA	CC	1940512737
SNP_P1_244665_10944	NW_004517121.1	Scaffold2076	10944	GG	AA	1940512739
SNP_P1_244666_11266	NW_004517121.1	Scaffold2076	11266	AA	CC	1940512741
SNP_P1_244667_11288	NW_004517121.1	Scaffold2076	11288	GG	TT	1940512743
SNP_P1_244668_11626	NW_004517121.1	Scaffold2076	11626	TT	GG	1940512745
SNP_P1_244669_11662	NW_004517121.1	Scaffold2076	11662	TT	GG	1940512747
SNP_P1_244670_12219	NW_004517121.1	Scaffold2076	12219	TT	AA	1940512750
SNP_P1_244671_12356	NW_004517121.1	Scaffold2076	12356	CC	GG	1940512752
SNP_P1_244672_12968	NW_004517121.1	Scaffold2076	12968	AA	GG	1940512754
SNP_P1_244673_12973	NW_004517121.1	Scaffold2076	12973	TT	GG	1940512756
SNP_P1_244674_12977	NW_004517121.1	Scaffold2076	12977	TT	AA	1940512758
SNP_P1_244675_20737	NW_004517121.1	Scaffold2076	20737	GG	TT	1940512760
SNP_P1_244676_20973	NW_004517121.1	Scaffold2076	20973	AA	GG	1940512762
SNP_P1_244677_20987	NW_004517121.1	Scaffold2076	20987	AA	GG	1940512764
SNP_P1_244678_21113	NW_004517121.1	Scaffold2076	21113	TT	CC	1940512766
SNP_P1_244679_21251	NW_004517121.1	Scaffold2076	21251	TT	CC	1940512769
SNP_P1_244680_21428	NW_004517121.1	Scaffold2076	21428	CC	AA	1940512771
SNP_P1_244681_21436	NW_004517121.1	Scaffold2076	21436	CC	TT	1940512773
SNP_P1_244682_21465	NW_004517121.1	Scaffold2076	21465	GG	TT	1940512775
SNP_P1_244683_21467	NW_004517121.1	Scaffold2076	21467	GG	TT	1940512777
SNP_P1_244684_21744	NW_004517121.1	Scaffold2076	21744	AA	GG	1940512779
SNP_P1_244685_21766	NW_004517121.1	Scaffold2076	21766	AA	TT	1940512781
SNP_P1_244686_21782	NW_004517121.1	Scaffold2076	21782	CC	TT	1940512783

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244688_22154	NW_004517121.1	Scaffold2076	22154	TT	AA	1940512788
SNP_P1_244689_22216	NW_004517121.1	Scaffold2076	22216	CC	TT	1940512790
SNP_P1_244690_2627	NW_004517124.1	Scaffold2081	2627	TT	CC	1940512792
SNP_P1_244691_2813	NW_004517124.1	Scaffold2081	2813	GG	AA	1940512794
SNP_P1_244692_2903	NW_004517124.1	Scaffold2081	2903	AA	TT	1940512796
SNP_P1_244693_2923	NW_004517124.1	Scaffold2081	2923	TT	AA	1940512798
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SNP_P1_244695_8136	NW_004517125.1	Scaffold2082	8136	CC	TT	1940512803
SNP_P1_244696_8171	NW_004517125.1	Scaffold2082	8171	TT	GG	1940512805
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SNP_P1_244702_27475	NW_004517125.1	Scaffold2082	27475	TT	CC	1940512817
SNP_P1_244703_27516	NW_004517125.1	Scaffold2082	27516	TT	AA	1940512820
SNP_P1_244705_27568	NW_004517125.1	Scaffold2082	27568	AA	CC	1940512822
SNP_P1_244706_29573	NW_004517125.1	Scaffold2082	29573	AA	TT	1940512824
SNP_P1_244707_29622	NW_004517125.1	Scaffold2082	29622	AA	TT	1940512826
SNP_P1_244708_29684	NW_004517125.1	Scaffold2082	29684	GG	AA	1940512828
SNP_P1_244709_44655	NW_004517125.1	Scaffold2082	44655	TT	AA	1940512830
SNP_P1_244710_44713	NW_004517125.1	Scaffold2082	44713	CC	TT	1940512832
SNP_P1_244711_44765	NW_004517125.1	Scaffold2082	44765	AA	CC	1940512834
SNP_P1_244712_44766	NW_004517125.1	Scaffold2082	44766	AA	GG	1940512837
SNP_P1_244713_44767	NW_004517125.1	Scaffold2082	44767	AA	CC	1940512839
SNP_P1_244714_44782	NW_004517125.1	Scaffold2082	44782	AA	GG	1940512841
SNP_P1_244715_44932	NW_004517125.1	Scaffold2082	44932	GG	AA	1940512843
SNP_P1_244716_56456	NW_004517125.1	Scaffold2082	56456	GG	AA	1940512845
SNP_P1_244717_58367	NW_004517125.1	Scaffold2082	58367	TT	CC	1940512847
SNP_P1_244718_58373	NW_004517125.1	Scaffold2082	58373	TT	CC	1940512849
SNP_P1_244719_58388	NW_004517125.1	Scaffold2082	58388	TT	CC	1940512851
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SNP_P1_244721_58402	NW_004517125.1	Scaffold2082	58402	TT	CC	1940512856
SNP_P1_244722_58410	NW_004517125.1	Scaffold2082	58410	CC	TT	1940512858
SNP_P1_244724_4540	NW_004517126.1	Scaffold2083	4540	AA	TT	1940512860
SNP_P1_244725_4564	NW_004517126.1	Scaffold2083	4564	AA	GG	1940512862
SNP_P1_244726_4643	NW_004517126.1	Scaffold2083	4643	CC	TT	1940512864
SNP_P1_244727_4731	NW_004517126.1	Scaffold2083	4731	AA	TT	1940512866
SNP_P1_244728_4834	NW_004517126.1	Scaffold2083	4834	CC	TT	1940512868
SNP_P1_244729_4999	NW_004517126.1	Scaffold2083	4999	TT	CC	1940512871
SNP_P1_244730_5021	NW_004517126.1	Scaffold2083	5021	AA	TT	1940512873

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244733_11102	NW_004517126.1	Scaffold2083	11102	AA	CC	1940512877
SNP_P1_244734_11166	NW_004517126.1	Scaffold2083	11166	AA	GG	1940512879
SNP_P1_244736_15101	NW_004517126.1	Scaffold2083	15101	AA	GG	1940512881
SNP_P1_244737_16669	NW_004517126.1	Scaffold2083	16669	CC	AA	1940512883
SNP_P1_244738_16814	NW_004517126.1	Scaffold2083	16814	AA	TT	1940512885
SNP_P1_244739_16815	NW_004517126.1	Scaffold2083	16815	CC	TT	1940512888
SNP_P1_244740_1482	NW_004517129.1	Scaffold2087	1482	CC	GG	1940512890
SNP_P1_244741_1514	NW_004517129.1	Scaffold2087	1514	AA	GG	1940512892
SNP_P1_244742_1739	NW_004517129.1	Scaffold2087	1739	AA	GG	1940512894
SNP_P1_244743_2811	NW_004517129.1	Scaffold2087	2811	AA	TT	1940512896
SNP_P1_244744_3154	NW_004517129.1	Scaffold2087	3154	TT	CC	1940512898
SNP_P1_244745_3234	NW_004517129.1	Scaffold2087	3234	GG	AA	1940512900
SNP_P1_244746_3317	NW_004517129.1	Scaffold2087	3317	TT	CC	1940512902
SNP_P1_244747_3448	NW_004517129.1	Scaffold2087	3448	GG	AA	1940512905
SNP_P1_244748_3523	NW_004517129.1	Scaffold2087	3523	GG	AA	1940512907
SNP_P1_244749_3560	NW_004517129.1	Scaffold2087	3560	AA	GG	1940512909
SNP_P1_244750_3585	NW_004517129.1	Scaffold2087	3585	AA	GG	1940512911
SNP_P1_244751_3652	NW_004517129.1	Scaffold2087	3652	AA	GG	1940512913
SNP_P1_244752_3719	NW_004517129.1	Scaffold2087	3719	CC	AA	1940512915
SNP_P1_244753_3768	NW_004517129.1	Scaffold2087	3768	TT	CC	1940512917
SNP_P1_244754_5407	NW_004517129.1	Scaffold2087	5407	GG	AA	1940512919
SNP_P1_244755_5620	NW_004517129.1	Scaffold2087	5620	GG	AA	1940512922
SNP_P1_244756_5635	NW_004517129.1	Scaffold2087	5635	TT	AA	1940512924
SNP_P1_244757_9613	NW_004517129.1	Scaffold2087	9613	AA	CC	1940512926
SNP_P1_244758_9976	NW_004517129.1	Scaffold2087	9976	AA	GG	1940512928
SNP_P1_244759_9986	NW_004517129.1	Scaffold2087	9986	TT	CC	1940512930
SNP_P1_244760_444	NW_004517131.1	Scaffold2089	444	AA	CC	1940512932
SNP_P1_244761_526	NW_004517131.1	Scaffold2089	526	TT	GG	1940512934
SNP_P1_244762_691	NW_004517131.1	Scaffold2089	691	AA	GG	1940512937
SNP_P1_244763_736	NW_004517131.1	Scaffold2089	736	AA	GG	1940512939
SNP_P1_244764_756	NW_004517131.1	Scaffold2089	756	AA	TT	1940512941
SNP_P1_244765_806	NW_004517131.1	Scaffold2089	806	TT	GG	1940512943
SNP_P1_244766_827	NW_004517131.1	Scaffold2089	827	GG	AA	1940512945
SNP_P1_244767_899	NW_004517131.1	Scaffold2089	899	AA	GG	1940512947
SNP_P1_244768_920	NW_004517131.1	Scaffold2089	920	AA	TT	1940512949
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SNP_P1_244773_1099	NW_004517131.1	Scaffold2089	1099	TT	GG	1940512956
SNP_P1_244774_3438	NW_004517131.1	Scaffold2089	3438	TT	GG	1940512958
SNP_P1_244775_5545	NW_004517131.1	Scaffold2089	5545	TT	CC	1940512960
SNP_P1_244776_5547	NW_004517131.1	Scaffold2089	5547	AA	TT	1940512962

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244778_6930	NW_004517134.1	Scaffold2095	6930	AA	TT	1940512966
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SNP_P1_244780_7207	NW_004517134.1	Scaffold2095	7207	GG	AA	1940512971
SNP_P1_244781_7213	NW_004517134.1	Scaffold2095	7213	GG	AA	1940512973
SNP_P1_244782_7214	NW_004517134.1	Scaffold2095	7214	TT	AA	1940512975
SNP_P1_244783_7219	NW_004517134.1	Scaffold2095	7219	AA	TT	1940512977
SNP_P1_244784_7272	NW_004517134.1	Scaffold2095	7272	TT	CC	1940512979
SNP_P1_244785_7334	NW_004517134.1	Scaffold2095	7334	TT	CC	1940512981
SNP_P1_244786_7439	NW_004517134.1	Scaffold2095	7439	TT	CC	1940512983
SNP_P1_244787_7596	NW_004517134.1	Scaffold2095	7596	AA	TT	1940512985
SNP_P1_244788_7917	NW_004517134.1	Scaffold2095	7917	TT	GG	1940512988
SNP_P1_244789_7991	NW_004517134.1	Scaffold2095	7991	GG	AA	1940512990
SNP_P1_244790_11117	NW_004517134.1	Scaffold2095	11117	AA	TT	1940512992
SNP_P1_244791_13043	NW_004517134.1	Scaffold2095	13043	AA	TT	1940512994
SNP_P1_244792_13554	NW_004517134.1	Scaffold2095	13554	TT	AA	1940512996
SNP_P1_244794_24068	NW_004517134.1	Scaffold2095	24068	TT	AA	1940512998
SNP_P1_244795_1637	NW_004517135.1	Scaffold2096	1637	AA	TT	1940513000
SNP_P1_244796_2011	NW_004517135.1	Scaffold2096	2011	CC	TT	1940513002
SNP_P1_244797_4540	NW_004517136.1	Scaffold2097	4540	GG	AA	1940513005
SNP_P1_244798_4554	NW_004517136.1	Scaffold2097	4554	CC	AA	1940513007
SNP_P1_244799_4877	NW_004517136.1	Scaffold2097	4877	AA	TT	1940513008
SNP_P1_244800_5025	NW_004517136.1	Scaffold2097	5025	TT	CC	1940513010
SNP_P1_244801_5380	NW_004517136.1	Scaffold2097	5380	GG	AA	1940513013
SNP_P1_244802_6717	NW_004517136.1	Scaffold2097	6717	TT	CC	1940513015
SNP_P1_244803_20611	NW_004517136.1	Scaffold2097	20611	CC	TT	1940513017
SNP_P1_244804_29520	NW_004517136.1	Scaffold2097	29520	GG	AA	1940513019
SNP_P1_244805_29855	NW_004517136.1	Scaffold2097	29855	TT	CC	1940513021
SNP_P1_244806_31601	NW_004517136.1	Scaffold2097	31601	TT	CC	1940513023
SNP_P1_244807_31731	NW_004517136.1	Scaffold2097	31731	CC	TT	1940513025
SNP_P1_244808_31751	NW_004517136.1	Scaffold2097	31751	AA	GG	1940513027
SNP_P1_244809_31784	NW_004517136.1	Scaffold2097	31784	TT	GG	1940513030
SNP_P1_244810_31826	NW_004517136.1	Scaffold2097	31826	TT	CC	1940513032
SNP_P1_244811_31829	NW_004517136.1	Scaffold2097	31829	CC	GG	1940513034
SNP_P1_244812_36117	NW_004517136.1	Scaffold2097	36117	CC	AA	1940513036
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SNP_P1_244816_50188	NW_004517136.1	Scaffold2097	50188	GG	CC	1940513042
SNP_P1_244817_50190	NW_004517136.1	Scaffold2097	50190	AA	TT	1940513044
SNP_P1_244819_199	NW_004517140.1	Scaffold2103	199	TT	CC	1940513046
SNP_P1_244820_1210	NW_004517140.1	Scaffold2103	1210	TT	CC	1940513049
SNP_P1_244821_1218	NW_004517140.1	Scaffold2103	1218	TT	AA	1940513051

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244823_42697	NW_004517140.1	Scaffold2103	42697	TT	CC	1940513055
SNP_P1_244824_42734	NW_004517140.1	Scaffold2103	42734	AA	TT	1940513057
SNP_P1_244825_43148	NW_004517140.1	Scaffold2103	43148	AA	TT	1940513059
SNP_P1_244826_43157	NW_004517140.1	Scaffold2103	43157	TT	CC	1940513061
SNP_P1_244827_44250	NW_004517140.1	Scaffold2103	44250	AA	GG	1940513063
SNP_P1_244828_48090	NW_004517140.1	Scaffold2103	48090	GG	TT	1940513066
SNP_P1_244829_81425	NW_004517140.1	Scaffold2103	81425	GG	AA	1940513068
SNP_P1_244830_95825	NW_004517140.1	Scaffold2103	95825	TT	CC	1940513070
SNP_P1_244831_103197	NW_004517140.1	Scaffold2103	103197	GG	TT	1940513072
SNP_P1_244832_103996	NW_004517140.1	Scaffold2103	103996	CC	AA	1940513074
SNP_P1_244833_119100	NW_004517140.1	Scaffold2103	119100	GG	TT	1940513076
SNP_P1_244834_119354	NW_004517140.1	Scaffold2103	119354	AA	GG	1940513078
SNP_P1_244835_119364	NW_004517140.1	Scaffold2103	119364	CC	AA	1940513081
SNP_P1_244836_119366	NW_004517140.1	Scaffold2103	119366	CC	TT	1940513083
SNP_P1_244837_119375	NW_004517140.1	Scaffold2103	119375	TT	GG	1940513085
SNP_P1_244838_119388	NW_004517140.1	Scaffold2103	119388	GG	AA	1940513087
SNP_P1_244839_119390	NW_004517140.1	Scaffold2103	119390	TT	CC	1940513089
SNP_P1_244840_119399	NW_004517140.1	Scaffold2103	119399	TT	AA	1940513091
SNP_P1_244841_119417	NW_004517140.1	Scaffold2103	119417	AA	GG	1940513093
SNP_P1_244842_119424	NW_004517140.1	Scaffold2103	119424	AA	GG	1940513095
SNP_P1_244843_123849	NW_004517140.1	Scaffold2103	123849	AA	TT	1940513098
SNP_P1_244844_123875	NW_004517140.1	Scaffold2103	123875	CC	GG	1940513100
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SNP_P1_244846_124005	NW_004517140.1	Scaffold2103	124005	AA	GG	1940513104
SNP_P1_244847_124013	NW_004517140.1	Scaffold2103	124013	GG	AA	1940513106
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SNP_P1_244850_124064	NW_004517140.1	Scaffold2103	124064	AA	GG	1940513110
SNP_P1_244851_124074	NW_004517140.1	Scaffold2103	124074	GG	AA	1940513112
SNP_P1_244852_124161	NW_004517140.1	Scaffold2103	124161	TT	CC	1940513114
SNP_P1_244853_124165	NW_004517140.1	Scaffold2103	124165	TT	CC	1940513117
SNP_P1_244855_124563	NW_004517140.1	Scaffold2103	124563	GG	TT	1940513119
SNP_P1_244856_134207	NW_004517140.1	Scaffold2103	134207	GG	CC	1940513121
SNP_P1_244857_134236	NW_004517140.1	Scaffold2103	134236	AA	GG	1940513123
SNP_P1_244858_134269	NW_004517140.1	Scaffold2103	134269	CC	TT	1940513125
SNP_P1_244859_134499	NW_004517140.1	Scaffold2103	134499	AA	GG	1940513127
SNP_P1_244860_135169	NW_004517140.1	Scaffold2103	135169	GG	AA	1940513129
SNP_P1_244861_135180	NW_004517140.1	Scaffold2103	135180	CC	TT	1940513132
SNP_P1_244862_135804	NW_004517140.1	Scaffold2103	135804	GG	AA	1940513134
SNP_P1_244863_135816	NW_004517140.1	Scaffold2103	135816	GG	TT	1940513136
SNP_P1_244864_135826	NW_004517140.1	Scaffold2103	135826	TT	CC	1940513138
SNP_P1_244865_135837	NW_004517140.1	Scaffold2103	135837	AA	GG	1940513140

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244869_5637	NW_004517141.1	Scaffold2104	5637	CC	GG	1940513146
SNP_P1_244870_5719	NW_004517141.1	Scaffold2104	5719	CC	GG	1940513148
SNP_P1_244871_6003	NW_004517141.1	Scaffold2104	6003	CC	TT	1940513151
SNP_P1_244872_6404	NW_004517141.1	Scaffold2104	6404	GG	TT	1940513153
SNP_P1_244873_6559	NW_004517141.1	Scaffold2104	6559	TT	CC	1940513155
SNP_P1_244874_9443	NW_004517141.1	Scaffold2104	9443	CC	TT	1940513157
SNP_P1_244875_9444	NW_004517141.1	Scaffold2104	9444	CC	AA	1940513159
SNP_P1_244876_9567	NW_004517141.1	Scaffold2104	9567	GG	TT	1940513161
SNP_P1_244878_17230	NW_004517141.1	Scaffold2104	17230	TT	CC	1940513163
SNP_P1_244879_18009	NW_004517141.1	Scaffold2104	18009	AA	GG	1940513165
SNP_P1_244880_18236	NW_004517141.1	Scaffold2104	18236	GG	AA	1940513167
SNP_P1_244881_18267	NW_004517141.1	Scaffold2104	18267	AA	GG	1940513169
SNP_P1_244882_18407	NW_004517141.1	Scaffold2104	18407	CC	TT	1940513172
SNP_P1_244883_25347	NW_004517141.1	Scaffold2104	25347	TT	CC	1940513174
SNP_P1_244885_27044	NW_004517141.1	Scaffold2104	27044	GG	AA	1940513176
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SNP_P1_244887_33696	NW_004517141.1	Scaffold2104	33696	GG	AA	1940513180
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SNP_P1_244893_60568	NW_004517141.1	Scaffold2104	60568	AA	GG	1940513193
SNP_P1_244894_60949	NW_004517141.1	Scaffold2104	60949	AA	GG	1940513195
SNP_P1_244895_60999	NW_004517141.1	Scaffold2104	60999	AA	TT	1940513197
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SNP_P1_244897_243	NW_004517143.1	Scaffold2106	243	TT	AA	1940513201
SNP_P1_244898_251	NW_004517143.1	Scaffold2106	251	AA	TT	1940513203
SNP_P1_244899_275	NW_004517143.1	Scaffold2106	275	TT	CC	1940513206
SNP_P1_244900_278	NW_004517143.1	Scaffold2106	278	TT	CC	1940513208
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SNP_P1_244903_502	NW_004517143.1	Scaffold2106	502	AA	GG	1940513214
SNP_P1_244904_586	NW_004517143.1	Scaffold2106	586	TT	AA	1940513216
SNP_P1_244905_689	NW_004517143.1	Scaffold2106	689	AA	GG	1940513218
SNP_P1_244906_970	NW_004517143.1	Scaffold2106	970	GG	AA	1940513220
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SNP_P1_244908_1665	NW_004517144.1	Scaffold2108	1665	TT	CC	1940513225
SNP_P1_244909_1713	NW_004517144.1	Scaffold2108	1713	TT	CC	1940513227
SNP_P1_244910_1714	NW_004517144.1	Scaffold2108	1714	GG	AA	1940513229

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244913_2346	NW_004517144.1	Scaffold2108	2346	GG	AA	1940513235
SNP_P1_244914_2589	NW_004517144.1	Scaffold2108	2589	GG	AA	1940513237
SNP_P1_244915_2903	NW_004517144.1	Scaffold2108	2903	CC	AA	1940513239
SNP_P1_244916_192	NW_004517145.1	Scaffold2110	192	AA	TT	1940513242
SNP_P1_244917_197	NW_004517145.1	Scaffold2110	197	AA	CC	1940513244
SNP_P1_244918_365	NW_004517145.1	Scaffold2110	365	GG	AA	1940513246
SNP_P1_244919_396	NW_004517145.1	Scaffold2110	396	AA	CC	1940513248
SNP_P1_244920_401	NW_004517145.1	Scaffold2110	401	TT	CC	1940513250
SNP_P1_244922_19744	NW_004517145.1	Scaffold2110	19744	GG	CC	1940513252
SNP_P1_244923_4205	NW_004517146.1	Scaffold2113	4205	AA	GG	1940513254
SNP_P1_244924_1354	NW_004517152.1	Scaffold2122	1354	TT	CC	1940513256
SNP_P1_244925_1363	NW_004517152.1	Scaffold2122	1363	GG	AA	1940513258
SNP_P1_244926_485	NW_004517153.1	Scaffold2124	485	GG	CC	1940513261
SNP_P1_244927_5149	NW_004517153.1	Scaffold2124	5149	TT	GG	1940513263
SNP_P1_244928_5167	NW_004517153.1	Scaffold2124	5167	TT	CC	1940513265
SNP_P1_244929_5296	NW_004517153.1	Scaffold2124	5296	TT	AA	1940513267
SNP_P1_244930_5552	NW_004517153.1	Scaffold2124	5552	AA	TT	1940513269
SNP_P1_244931_9962	NW_004517153.1	Scaffold2124	9962	AA	TT	1940513271
SNP_P1_244932_11246	NW_004517153.1	Scaffold2124	11246	AA	TT	1940513273
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SNP_P1_244934_35341	NW_004517153.1	Scaffold2124	35341	CC	TT	1940513278
SNP_P1_244935_35350	NW_004517153.1	Scaffold2124	35350	TT	GG	1940513280
SNP_P1_244936_35527	NW_004517153.1	Scaffold2124	35527	AA	GG	1940513282
SNP_P1_244937_14739	NW_004517154.1	Scaffold2125	14739	AA	GG	1940513284
SNP_P1_244938_17935	NW_004517154.1	Scaffold2125	17935	TT	AA	1940513286
SNP_P1_244939_37173	NW_004517154.1	Scaffold2125	37173	GG	AA	1940513288
SNP_P1_244941_99	NW_004517155.1	Scaffold2126	99	TT	CC	1940513290
SNP_P1_244942_467	NW_004517155.1	Scaffold2126	467	CC	TT	1940513292
SNP_P1_244943_491	NW_004517155.1	Scaffold2126	491	AA	TT	1940513295
SNP_P1_244944_2192	NW_004517155.1	Scaffold2126	2192	GG	AA	1940513297
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SNP_P1_244950_5474	NW_004517155.1	Scaffold2126	5474	TT	AA	1940513307
SNP_P1_244951_5673	NW_004517155.1	Scaffold2126	5673	TT	GG	1940513309
SNP_P1_244952_5679	NW_004517155.1	Scaffold2126	5679	TT	AA	1940513311
SNP_P1_244953_5724	NW_004517155.1	Scaffold2126	5724	AA	GG	1940513314
SNP_P1_244954_5725	NW_004517155.1	Scaffold2126	5725	GG	TT	1940513316
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_244958_10749	NW_004517155.1	Scaffold2126	10749	CC	TT	1940513324
SNP_P1_244959_10778	NW_004517155.1	Scaffold2126	10778	CC	AA	1940513326
SNP_P1_244960_10863	NW_004517155.1	Scaffold2126	10863	CC	TT	1940513328
SNP_P1_244961_10866	NW_004517155.1	Scaffold2126	10866	AA	GG	1940513330
SNP_P1_244962_11051	NW_004517155.1	Scaffold2126	11051	AA	TT	1940513333
SNP_P1_244963_13248	NW_004517155.1	Scaffold2126	13248	TT	AA	1940513335
SNP_P1_244964_13808	NW_004517155.1	Scaffold2126	13808	AA	GG	1940513337
SNP_P1_244965_13818	NW_004517155.1	Scaffold2126	13818	AA	GG	1940513339
SNP_P1_244966_14102	NW_004517155.1	Scaffold2126	14102	GG	CC	1940513341
SNP_P1_244967_14168	NW_004517155.1	Scaffold2126	14168	TT	AA	1940513343
SNP_P1_244968_14180	NW_004517155.1	Scaffold2126	14180	GG	CC	1940513345
SNP_P1_244969_14185	NW_004517155.1	Scaffold2126	14185	AA	TT	1940513347
SNP_P1_244971_18654	NW_004517155.1	Scaffold2126	18654	TT	CC	1940513349
SNP_P1_244973_20251	NW_004517155.1	Scaffold2126	20251	CC	AA	1940513352
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SNP_P1_244975_20305	NW_004517155.1	Scaffold2126	20305	AA	GG	1940513356
SNP_P1_244976_20306	NW_004517155.1	Scaffold2126	20306	AA	GG	1940513358
SNP_P1_244977_20324	NW_004517155.1	Scaffold2126	20324	CC	TT	1940513360
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SNP_P1_244980_20437	NW_004517155.1	Scaffold2126	20437	AA	GG	1940513366
SNP_P1_244983_31160	NW_004517156.1	Scaffold2127	31160	AA	GG	1940513369
SNP_P1_244984_31197	NW_004517156.1	Scaffold2127	31197	AA	GG	1940513371
SNP_P1_244985_31205	NW_004517156.1	Scaffold2127	31205	AA	GG	1940513373
SNP_P1_244986_31206	NW_004517156.1	Scaffold2127	31206	TT	GG	1940513375
SNP_P1_244987_33888	NW_004517156.1	Scaffold2127	33888	AA	CC	1940513377
SNP_P1_244988_33890	NW_004517156.1	Scaffold2127	33890	GG	TT	1940513379
SNP_P1_244989_39757	NW_004517156.1	Scaffold2127	39757	GG	TT	1940513381
SNP_P1_244990_40136	NW_004517156.1	Scaffold2127	40136	CC	TT	1940513383
SNP_P1_244991_40507	NW_004517156.1	Scaffold2127	40507	TT	CC	1940513386
SNP_P1_244992_41003	NW_004517156.1	Scaffold2127	41003	TT	CC	1940513388
SNP_P1_244994_11703	NW_004517157.1	Scaffold2128	11703	AA	GG	1940513390
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SNP_P1_244998_12605	NW_004517157.1	Scaffold2128	12605	CC	AA	1940513398
SNP_P1_244999_12930	NW_004517157.1	Scaffold2128	12930	GG	TT	1940513400
SNP_P1_245000_14311	NW_004517157.1	Scaffold2128	14311	TT	CC	1940513403
SNP_P1_245001_14579	NW_004517157.1	Scaffold2128	14579	AA	GG	1940513405
SNP_P1_245002_14622	NW_004517157.1	Scaffold2128	14622	TT	AA	1940513407

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245005_14879	NW_004517157.1	Scaffold2128	14879	CC	TT	1940513413
SNP_P1_245006_15025	NW_004517157.1	Scaffold2128	15025	GG	AA	1940513415
SNP_P1_245007_15079	NW_004517157.1	Scaffold2128	15079	AA	TT	1940513417
SNP_P1_245008_15081	NW_004517157.1	Scaffold2128	15081	CC	GG	1940513420
SNP_P1_245010_882	NW_004517160.1	Scaffold2132	882	AA	TT	1940513422
SNP_P1_245011_1313	NW_004517160.1	Scaffold2132	1313	TT	CC	1940513424
SNP_P1_245012_1342	NW_004517160.1	Scaffold2132	1342	TT	AA	1940513426
SNP_P1_245013_1366	NW_004517160.1	Scaffold2132	1366	AA	GG	1940513428
SNP_P1_245014_1427	NW_004517160.1	Scaffold2132	1427	TT	GG	1940513430
SNP_P1_245015_3877	NW_004517162.1	Scaffold2134	3877	AA	CC	1940513432
SNP_P1_245016_3880	NW_004517162.1	Scaffold2134	3880	TT	AA	1940513434
SNP_P1_245017_3881	NW_004517162.1	Scaffold2134	3881	AA	TT	1940513436
SNP_P1_245018_3897	NW_004517162.1	Scaffold2134	3897	CC	TT	1940513439
SNP_P1_245019_3901	NW_004517162.1	Scaffold2134	3901	GG	CC	1940513441
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SNP_P1_245021_3966	NW_004517162.1	Scaffold2134	3966	TT	CC	1940513445
SNP_P1_245022_4134	NW_004517162.1	Scaffold2134	4134	TT	CC	1940513447
SNP_P1_245023_4195	NW_004517162.1	Scaffold2134	4195	AA	CC	1940513449
SNP_P1_245024_5066	NW_004517162.1	Scaffold2134	5066	TT	GG	1940513451
SNP_P1_245025_5069	NW_004517162.1	Scaffold2134	5069	CC	TT	1940513453
SNP_P1_245026_5251	NW_004517162.1	Scaffold2134	5251	GG	AA	1940513456
SNP_P1_245027_5252	NW_004517162.1	Scaffold2134	5252	AA	GG	1940513458
SNP_P1_245028_5294	NW_004517162.1	Scaffold2134	5294	CC	GG	1940513460
SNP_P1_245029_5364	NW_004517162.1	Scaffold2134	5364	TT	CC	1940513462
SNP_P1_245031_5541	NW_004517162.1	Scaffold2134	5541	GG	AA	1940513464
SNP_P1_245032_5686	NW_004517162.1	Scaffold2134	5686	CC	TT	1940513466
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SNP_P1_245035_5802	NW_004517162.1	Scaffold2134	5802	CC	TT	1940513473
SNP_P1_245036_5821	NW_004517162.1	Scaffold2134	5821	CC	TT	1940513475
SNP_P1_245037_5830	NW_004517162.1	Scaffold2134	5830	TT	CC	1940513477
SNP_P1_245038_5891	NW_004517162.1	Scaffold2134	5891	AA	GG	1940513479
SNP_P1_245039_5912	NW_004517162.1	Scaffold2134	5912	CC	TT	1940513481
SNP_P1_245040_5936	NW_004517162.1	Scaffold2134	5936	AA	GG	1940513483
SNP_P1_245041_5973	NW_004517162.1	Scaffold2134	5973	TT	CC	1940513485
SNP_P1_245042_6063	NW_004517162.1	Scaffold2134	6063	GG	AA	1940513487
SNP_P1_245043_6072	NW_004517162.1	Scaffold2134	6072	CC	TT	1940513490
SNP_P1_245044_2374	NW_004517163.1	Scaffold2135	2374	AA	CC	1940513492
SNP_P1_245045_7068	NW_004517163.1	Scaffold2135	7068	TT	GG	1940513494
SNP_P1_245046_7236	NW_004517163.1	Scaffold2135	7236	CC	TT	1940513496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245049_7314	NW_004517163.1	Scaffold2135	7314	AA	GG	1940513502
SNP_P1_245050_7332	NW_004517163.1	Scaffold2135	7332	AA	GG	1940513504
SNP_P1_245051_7337	NW_004517163.1	Scaffold2135	7337	TT	CC	1940513506
SNP_P1_245052_7378	NW_004517163.1	Scaffold2135	7378	CC	TT	1940513509
SNP_P1_245053_7390	NW_004517163.1	Scaffold2135	7390	CC	AA	1940513511
SNP_P1_245054_7443	NW_004517163.1	Scaffold2135	7443	GG	AA	1940513513
SNP_P1_245055_87	NW_004517164.1	Scaffold2138	87	GG	AA	1940513515
SNP_P1_245056_131	NW_004517164.1	Scaffold2138	131	GG	AA	1940513517
SNP_P1_245057_148	NW_004517164.1	Scaffold2138	148	AA	GG	1940513519
SNP_P1_245058_192	NW_004517164.1	Scaffold2138	192	TT	CC	1940513521
SNP_P1_245059_325	NW_004517164.1	Scaffold2138	325	AA	TT	1940513523
SNP_P1_245060_337	NW_004517164.1	Scaffold2138	337	GG	TT	1940513526
SNP_P1_245061_375	NW_004517164.1	Scaffold2138	375	AA	CC	1940513528
SNP_P1_245062_696	NW_004517164.1	Scaffold2138	696	TT	CC	1940513530
SNP_P1_245063_750	NW_004517164.1	Scaffold2138	750	AA	GG	1940513532
SNP_P1_245064_797	NW_004517164.1	Scaffold2138	797	AA	TT	1940513534
SNP_P1_245065_770	NW_004517165.1	Scaffold2139	770	CC	AA	1940513536
SNP_P1_245066_359	NW_004517166.1	Scaffold2140	359	AA	GG	1940513538
SNP_P1_245067_463	NW_004517166.1	Scaffold2140	463	AA	CC	1940513540
SNP_P1_245068_550	NW_004517166.1	Scaffold2140	550	TT	CC	1940513543
SNP_P1_245069_563	NW_004517166.1	Scaffold2140	563	AA	TT	1940513545
SNP_P1_245071_880	NW_004517166.1	Scaffold2140	880	CC	GG	1940513547
SNP_P1_245072_910	NW_004517166.1	Scaffold2140	910	AA	GG	1940513549
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SNP_P1_245074_14586	NW_004517167.1	Scaffold2141	14586	CC	TT	1940513553
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SNP_P1_245079_15368	NW_004517167.1	Scaffold2141	15368	CC	TT	1940513564
SNP_P1_245080_15369	NW_004517167.1	Scaffold2141	15369	AA	CC	1940513566
SNP_P1_245081_15397	NW_004517167.1	Scaffold2141	15397	CC	AA	1940513568
SNP_P1_245082_15416	NW_004517167.1	Scaffold2141	15416	GG	AA	1940513570
SNP_P1_245083_15538	NW_004517167.1	Scaffold2141	15538	GG	TT	1940513572
SNP_P1_245084_16639	NW_004517167.1	Scaffold2141	16639	AA	GG	1940513574
SNP_P1_245085_16705	NW_004517167.1	Scaffold2141	16705	GG	TT	1940513576
SNP_P1_245086_17487	NW_004517167.1	Scaffold2141	17487	CC	TT	1940513578
SNP_P1_245087_17506	NW_004517167.1	Scaffold2141	17506	AA	TT	1940513580
SNP_P1_245088_17524	NW_004517167.1	Scaffold2141	17524	AA	GG	1940513582
SNP_P1_245089_17525	NW_004517167.1	Scaffold2141	17525	GG	AA	1940513585

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245094_19982	NW_004517167.1	Scaffold2141	19982	AA	CC	1940513595
SNP_P1_245095_558	NW_004517168.1	Scaffold2142	558	TT	CC	1940513597
SNP_P1_245096_588	NW_004517168.1	Scaffold2142	588	GG	AA	1940513600
SNP_P1_245097_699	NW_004517168.1	Scaffold2142	699	CC	GG	1940513602
SNP_P1_245099_799	NW_004517168.1	Scaffold2142	799	CC	TT	1940513604
SNP_P1_245100_927	NW_004517168.1	Scaffold2142	927	GG	CC	1940513606
SNP_P1_245101_1092	NW_004517168.1	Scaffold2142	1092	AA	GG	1940513608
SNP_P1_245102_741	NW_004517169.1	Scaffold2145	741	TT	GG	1940513610
SNP_P1_245103_5292	NW_004517169.1	Scaffold2145	5292	CC	GG	1940513612
SNP_P1_245104_5324	NW_004517169.1	Scaffold2145	5324	CC	TT	1940513614
SNP_P1_245105_1167	NW_004517170.1	Scaffold2146	1167	CC	TT	1940513617
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SNP_P1_245107_1062	NW_004517171.1	Scaffold2147	1062	GG	TT	1940513621
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SNP_P1_245121_22383	NW_004517171.1	Scaffold2147	22383	TT	AA	1940513650
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SNP_P1_245125_22914	NW_004517171.1	Scaffold2147	22914	AA	CC	1940513659
SNP_P1_245126_22931	NW_004517171.1	Scaffold2147	22931	CC	GG	1940513661
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SNP_P1_245131_23625	NW_004517171.1	Scaffold2147	23625	AA	TT	1940513672
SNP_P1_245132_24520	NW_004517171.1	Scaffold2147	24520	TT	GG	1940513674

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245134_350	NW_004517174.1	Scaffold2151	350	CC	AA	1940513678
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SNP_P1_245136_868	NW_004517174.1	Scaffold2151	868	GG	AA	1940513682
SNP_P1_245137_1266	NW_004517174.1	Scaffold2151	1266	TT	AA	1940513684
SNP_P1_245138_14995	NW_004517175.1	Scaffold2152	14995	TT	CC	1940513687
SNP_P1_245139_15054	NW_004517175.1	Scaffold2152	15054	AA	GG	1940513689
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SNP_P1_245145_21774	NW_004517175.1	Scaffold2152	21774	AA	GG	1940513701
SNP_P1_245146_21806	NW_004517175.1	Scaffold2152	21806	GG	TT	1940513704
SNP_P1_245147_22114	NW_004517175.1	Scaffold2152	22114	AA	GG	1940513706
SNP_P1_245148_22171	NW_004517175.1	Scaffold2152	22171	TT	CC	1940513708
SNP_P1_245149_22290	NW_004517175.1	Scaffold2152	22290	AA	GG	1940513710
SNP_P1_245150_22472	NW_004517175.1	Scaffold2152	22472	AA	GG	1940513712
SNP_P1_245151_22492	NW_004517175.1	Scaffold2152	22492	TT	CC	1940513714
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SNP_P1_245156_37154	NW_004517175.1	Scaffold2152	37154	CC	TT	1940513723
SNP_P1_245157_38975	NW_004517175.1	Scaffold2152	38975	TT	CC	1940513725
SNP_P1_245158_41715	NW_004517175.1	Scaffold2152	41715	AA	GG	1940513727
SNP_P1_245159_41720	NW_004517175.1	Scaffold2152	41720	AA	GG	1940513729
SNP_P1_245160_41751	NW_004517175.1	Scaffold2152	41751	TT	CC	1940513731
SNP_P1_245161_41758	NW_004517175.1	Scaffold2152	41758	GG	CC	1940513733
SNP_P1_245162_41769	NW_004517175.1	Scaffold2152	41769	AA	GG	1940513735
SNP_P1_245163_41783	NW_004517175.1	Scaffold2152	41783	CC	GG	1940513738
SNP_P1_245164_41787	NW_004517175.1	Scaffold2152	41787	TT	CC	1940513740
SNP_P1_245165_41941	NW_004517175.1	Scaffold2152	41941	GG	AA	1940513742
SNP_P1_245166_42202	NW_004517175.1	Scaffold2152	42202	GG	AA	1940513744
SNP_P1_245167_42219	NW_004517175.1	Scaffold2152	42219	CC	AA	1940513746
SNP_P1_245168_42702	NW_004517175.1	Scaffold2152	42702	CC	TT	1940513748
SNP_P1_245169_42880	NW_004517175.1	Scaffold2152	42880	CC	TT	1940513750
SNP_P1_245170_42923	NW_004517175.1	Scaffold2152	42923	AA	GG	1940513752
SNP_P1_245171_43158	NW_004517175.1	Scaffold2152	43158	GG	AA	1940513754
SNP_P1_245172_43252	NW_004517175.1	Scaffold2152	43252	GG	AA	1940513757
SNP_P1_245173_51122	NW_004517175.1	Scaffold2152	51122	TT	AA	1940513759
SNP_P1_245174_51126	NW_004517175.1	Scaffold2152	51126	TT	GG	1940513761
SNP_P1_245175_67555	NW_004517175.1	Scaffold2152	67555	TT	GG	1940513763

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245178_67682	NW_004517175.1	Scaffold2152	67682	AA	TT	1940513769
SNP_P1_245179_67845	NW_004517175.1	Scaffold2152	67845	AA	CC	1940513771
SNP_P1_245180_76194	NW_004517175.1	Scaffold2152	76194	CC	AA	1940513774
SNP_P1_245182_76383	NW_004517175.1	Scaffold2152	76383	AA	TT	1940513776
SNP_P1_245183_76398	NW_004517175.1	Scaffold2152	76398	GG	CC	1940513778
SNP_P1_245184_76406	NW_004517175.1	Scaffold2152	76406	CC	TT	1940513780
SNP_P1_245186_76785	NW_004517175.1	Scaffold2152	76785	AA	GG	1940513782
SNP_P1_245188_88272	NW_004517175.1	Scaffold2152	88272	AA	GG	1940513784
SNP_P1_245189_88300	NW_004517175.1	Scaffold2152	88300	GG	AA	1940513786
SNP_P1_245190_88456	NW_004517175.1	Scaffold2152	88456	GG	AA	1940513788
SNP_P1_245191_88697	NW_004517175.1	Scaffold2152	88697	TT	CC	1940513791
SNP_P1_245192_88722	NW_004517175.1	Scaffold2152	88722	CC	AA	1940513793
SNP_P1_245193_88832	NW_004517175.1	Scaffold2152	88832	GG	CC	1940513795
SNP_P1_245194_88890	NW_004517175.1	Scaffold2152	88890	CC	AA	1940513797
SNP_P1_245195_88956	NW_004517175.1	Scaffold2152	88956	AA	CC	1940513799
SNP_P1_245196_88999	NW_004517175.1	Scaffold2152	88999	GG	TT	1940513801
SNP_P1_245197_89232	NW_004517175.1	Scaffold2152	89232	AA	TT	1940513803
SNP_P1_245198_91306	NW_004517175.1	Scaffold2152	91306	AA	CC	1940513805
SNP_P1_245199_95388	NW_004517175.1	Scaffold2152	95388	AA	TT	1940513808
SNP_P1_245200_95396	NW_004517175.1	Scaffold2152	95396	CC	TT	1940513810
SNP_P1_245201_95455	NW_004517175.1	Scaffold2152	95455	GG	TT	1940513812
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SNP_P1_245203_95824	NW_004517175.1	Scaffold2152	95824	CC	AA	1940513816
SNP_P1_245204_95889	NW_004517175.1	Scaffold2152	95889	CC	TT	1940513818
SNP_P1_245205_108205	NW_004517175.1	Scaffold2152	108205	CC	AA	1940513821
SNP_P1_245206_108317	NW_004517175.1	Scaffold2152	108317	GG	AA	1940513823
SNP_P1_245207_108380	NW_004517175.1	Scaffold2152	108380	AA	GG	1940513825
SNP_P1_245209_108713	NW_004517175.1	Scaffold2152	108713	GG	AA	1940513827
SNP_P1_245210_108807	NW_004517175.1	Scaffold2152	108807	CC	TT	1940513829
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SNP_P1_245212_109002	NW_004517175.1	Scaffold2152	109002	GG	TT	1940513833
SNP_P1_245213_129054	NW_004517175.1	Scaffold2152	129054	CC	TT	1940513836
SNP_P1_245215_145161	NW_004517175.1	Scaffold2152	145161	GG	TT	1940513838
SNP_P1_245216_162603	NW_004517175.1	Scaffold2152	162603	TT	CC	1940513840
SNP_P1_245217_162877	NW_004517175.1	Scaffold2152	162877	TT	CC	1940513842
SNP_P1_245218_162980	NW_004517175.1	Scaffold2152	162980	TT	CC	1940513844
SNP_P1_245219_164018	NW_004517175.1	Scaffold2152	164018	AA	GG	1940513846
SNP_P1_245220_173488	NW_004517175.1	Scaffold2152	173488	TT	CC	1940513848
SNP_P1_245221_181579	NW_004517175.1	Scaffold2152	181579	CC	TT	1940513851
SNP_P1_245222_184063	NW_004517175.1	Scaffold2152	184063	TT	GG	1940513853

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245225_184513	NW_004517175.1	Scaffold2152	184513	GG	AA	1940513859
SNP_P1_245226_209039	NW_004517175.1	Scaffold2152	209039	AA	CC	1940513861
SNP_P1_245227_210293	NW_004517175.1	Scaffold2152	210293	TT	CC	1940513864
SNP_P1_245228_210647	NW_004517175.1	Scaffold2152	210647	AA	CC	1940513866
SNP_P1_245229_210654	NW_004517175.1	Scaffold2152	210654	GG	AA	1940513868
SNP_P1_245230_210657	NW_004517175.1	Scaffold2152	210657	GG	AA	1940513870
SNP_P1_245231_215306	NW_004517175.1	Scaffold2152	215306	TT	CC	1940513872
SNP_P1_245232_215621	NW_004517175.1	Scaffold2152	215621	AA	GG	1940513874
SNP_P1_245233_215649	NW_004517175.1	Scaffold2152	215649	AA	GG	1940513877
SNP_P1_245234_215654	NW_004517175.1	Scaffold2152	215654	TT	AA	1940513879
SNP_P1_245235_215684	NW_004517175.1	Scaffold2152	215684	AA	GG	1940513881
SNP_P1_245236_225077	NW_004517175.1	Scaffold2152	225077	TT	AA	1940513883
SNP_P1_245237_255862	NW_004517175.1	Scaffold2152	255862	AA	GG	1940513885
SNP_P1_245238_277021	NW_004517175.1	Scaffold2152	277021	CC	GG	1940513887
SNP_P1_245239_281158	NW_004517175.1	Scaffold2152	281158	GG	AA	1940513889
SNP_P1_245240_281588	NW_004517175.1	Scaffold2152	281588	TT	CC	1940513891
SNP_P1_245241_281823	NW_004517175.1	Scaffold2152	281823	AA	GG	1940513894
SNP_P1_245243_281934	NW_004517175.1	Scaffold2152	281934	AA	CC	1940513896
SNP_P1_245244_282096	NW_004517175.1	Scaffold2152	282096	CC	TT	1940513898
SNP_P1_245245_282119	NW_004517175.1	Scaffold2152	282119	GG	TT	1940513900
SNP_P1_245246_283314	NW_004517175.1	Scaffold2152	283314	TT	CC	1940513902
SNP_P1_245247_283414	NW_004517175.1	Scaffold2152	283414	TT	AA	1940513904
SNP_P1_245248_283418	NW_004517175.1	Scaffold2152	283418	AA	GG	1940513906
SNP_P1_245249_283424	NW_004517175.1	Scaffold2152	283424	AA	GG	1940513908
SNP_P1_245250_283448	NW_004517175.1	Scaffold2152	283448	GG	AA	1940513911
SNP_P1_245251_283449	NW_004517175.1	Scaffold2152	283449	AA	TT	1940513913
SNP_P1_245252_283926	NW_004517175.1	Scaffold2152	283926	CC	TT	1940513915
SNP_P1_245253_304535	NW_004517175.1	Scaffold2152	304535	CC	AA	1940513917
SNP_P1_245254_304611	NW_004517175.1	Scaffold2152	304611	TT	GG	1940513919
SNP_P1_245255_312652	NW_004517175.1	Scaffold2152	312652	CC	TT	1940513921
SNP_P1_245256_324352	NW_004517175.1	Scaffold2152	324352	AA	GG	1940513923
SNP_P1_245257_324654	NW_004517175.1	Scaffold2152	324654	AA	TT	1940513925
SNP_P1_245258_324667	NW_004517175.1	Scaffold2152	324667	AA	GG	1940513928
SNP_P1_245259_324904	NW_004517175.1	Scaffold2152	324904	AA	TT	1940513930
SNP_P1_245260_325024	NW_004517175.1	Scaffold2152	325024	TT	CC	1940513932
SNP_P1_245261_325075	NW_004517175.1	Scaffold2152	325075	GG	AA	1940513934
SNP_P1_245262_325680	NW_004517175.1	Scaffold2152	325680	GG	AA	1940513936
SNP_P1_245263_335497	NW_004517175.1	Scaffold2152	335497	GG	TT	1940513938
SNP_P1_245264_336569	NW_004517175.1	Scaffold2152	336569	TT	CC	1940513940
SNP_P1_245265_336657	NW_004517175.1	Scaffold2152	336657	TT	CC	1940513942

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245268_372292	NW_004517175.1	Scaffold2152	372292	GG	AA	1940513949
SNP_P1_245269_379485	NW_004517175.1	Scaffold2152	379485	AA	GG	1940513951
SNP_P1_245270_379695	NW_004517175.1	Scaffold2152	379695	TT	CC	1940513953
SNP_P1_245271_379906	NW_004517175.1	Scaffold2152	379906	GG	AA	1940513955
SNP_P1_245272_379932	NW_004517175.1	Scaffold2152	379932	TT	GG	1940513957
SNP_P1_245273_380096	NW_004517175.1	Scaffold2152	380096	AA	GG	1940513959
SNP_P1_245275_380234	NW_004517175.1	Scaffold2152	380234	AA	GG	1940513962
SNP_P1_245276_380236	NW_004517175.1	Scaffold2152	380236	CC	AA	1940513964
SNP_P1_245277_7919	NW_004517176.1	Scaffold2153	7919	GG	AA	1940513966
SNP_P1_245278_8250	NW_004517176.1	Scaffold2153	8250	CC	TT	1940513968
SNP_P1_245279_8254	NW_004517176.1	Scaffold2153	8254	CC	TT	1940513970
SNP_P1_245280_8570	NW_004517176.1	Scaffold2153	8570	CC	TT	1940513972
SNP_P1_245282_19786	NW_004517176.1	Scaffold2153	19786	TT	CC	1940513974
SNP_P1_245283_19856	NW_004517176.1	Scaffold2153	19856	AA	GG	1940513976
SNP_P1_245284_32554	NW_004517176.1	Scaffold2153	32554	AA	GG	1940513979
SNP_P1_245285_32803	NW_004517176.1	Scaffold2153	32803	TT	GG	1940513981
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SNP_P1_245293_70	NW_004517177.1	Scaffold2155	70	AA	CC	1940513993
SNP_P1_245294_120	NW_004517177.1	Scaffold2155	120	CC	TT	1940513996
SNP_P1_245296_482	NW_004517177.1	Scaffold2155	482	CC	TT	1940513998
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SNP_P1_245298_618	NW_004517177.1	Scaffold2155	618	CC	TT	1940514002
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SNP_P1_245303_25658	NW_004517177.1	Scaffold2155	25658	GG	AA	1940514013
SNP_P1_245304_39384	NW_004517177.1	Scaffold2155	39384	AA	TT	1940514015
SNP_P1_245305_39700	NW_004517177.1	Scaffold2155	39700	TT	CC	1940514017
SNP_P1_245306_39957	NW_004517177.1	Scaffold2155	39957	TT	CC	1940514019
SNP_P1_245307_39961	NW_004517177.1	Scaffold2155	39961	TT	CC	1940514021
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SNP_P1_245309_40480	NW_004517177.1	Scaffold2155	40480	TT	GG	1940514025
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SNP_P1_245311_598	NW_004517178.1	Scaffold2157	598	TT	CC	1940514029
SNP_P1_245312_252	NW_004517179.1	Scaffold2158	252	AA	GG	1940514032

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245314_316	NW_004517179.1	Scaffold2158	316	AA	TT	1940514036
SNP_P1_245315_335	NW_004517179.1	Scaffold2158	335	TT	CC	1940514038
SNP_P1_245316_577	NW_004517179.1	Scaffold2158	577	CC	TT	1940514040
SNP_P1_245317_619	NW_004517179.1	Scaffold2158	619	GG	TT	1940514042
SNP_P1_245318_24904	NW_004517179.1	Scaffold2158	24904	AA	GG	1940514044
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SNP_P1_245321_52289	NW_004517179.1	Scaffold2158	52289	AA	GG	1940514051
SNP_P1_245322_64441	NW_004517179.1	Scaffold2158	64441	AA	GG	1940514053
SNP_P1_245323_64514	NW_004517179.1	Scaffold2158	64514	AA	GG	1940514055
SNP_P1_245324_64623	NW_004517179.1	Scaffold2158	64623	GG	TT	1940514057
SNP_P1_245325_64624	NW_004517179.1	Scaffold2158	64624	TT	GG	1940514059
SNP_P1_245326_64691	NW_004517179.1	Scaffold2158	64691	GG	TT	1940514061
SNP_P1_245327_64776	NW_004517179.1	Scaffold2158	64776	GG	AA	1940514063
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SNP_P1_245330_81642	NW_004517179.1	Scaffold2158	81642	TT	AA	1940514068
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SNP_P1_245341_125403	NW_004517179.1	Scaffold2158	125403	TT	AA	1940514091
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SNP_P1_245344_125610	NW_004517179.1	Scaffold2158	125610	TT	CC	1940514097
SNP_P1_245345_126818	NW_004517179.1	Scaffold2158	126818	TT	AA	1940514099
SNP_P1_245346_126823	NW_004517179.1	Scaffold2158	126823	AA	CC	1940514102
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SNP_P1_245349_127647	NW_004517179.1	Scaffold2158	127647	TT	CC	1940514108
SNP_P1_245351_150540	NW_004517179.1	Scaffold2158	150540	AA	GG	1940514110
SNP_P1_245352_150696	NW_004517179.1	Scaffold2158	150696	GG	AA	1940514112
SNP_P1_245353_151694	NW_004517179.1	Scaffold2158	151694	CC	AA	1940514114
SNP_P1_245354_151701	NW_004517179.1	Scaffold2158	151701	AA	TT	1940514116
SNP_P1_245355_171434	NW_004517179.1	Scaffold2158	171434	TT	CC	1940514119
SNP_P1_245357_182588	NW_004517179.1	Scaffold2158	182588	AA	GG	1940514121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245360_195885	NW_004517179.1	Scaffold2158	195885	TT	AA	1940514127
SNP_P1_245361_195890	NW_004517179.1	Scaffold2158	195890	CC	TT	1940514129
SNP_P1_245362_195952	NW_004517179.1	Scaffold2158	195952	CC	TT	1940514131
SNP_P1_245363_195959	NW_004517179.1	Scaffold2158	195959	AA	TT	1940514133
SNP_P1_245364_197582	NW_004517179.1	Scaffold2158	197582	TT	CC	1940514135
SNP_P1_245365_197602	NW_004517179.1	Scaffold2158	197602	TT	CC	1940514138
SNP_P1_245366_197617	NW_004517179.1	Scaffold2158	197617	TT	GG	1940514140
SNP_P1_245367_197811	NW_004517179.1	Scaffold2158	197811	AA	CC	1940514142
SNP_P1_245368_197820	NW_004517179.1	Scaffold2158	197820	AA	CC	1940514144
SNP_P1_245369_201597	NW_004517179.1	Scaffold2158	201597	TT	CC	1940514146
SNP_P1_245370_203971	NW_004517179.1	Scaffold2158	203971	AA	CC	1940514148
SNP_P1_245371_204048	NW_004517179.1	Scaffold2158	204048	TT	CC	1940514150
SNP_P1_245372_204065	NW_004517179.1	Scaffold2158	204065	AA	GG	1940514152
SNP_P1_245373_204568	NW_004517179.1	Scaffold2158	204568	AA	GG	1940514155
SNP_P1_245374_204617	NW_004517179.1	Scaffold2158	204617	AA	GG	1940514157
SNP_P1_245375_208905	NW_004517179.1	Scaffold2158	208905	CC	TT	1940514159
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SNP_P1_245379_219024	NW_004517179.1	Scaffold2158	219024	TT	CC	1940514167
SNP_P1_245380_219282	NW_004517179.1	Scaffold2158	219282	AA	GG	1940514169
SNP_P1_245381_219297	NW_004517179.1	Scaffold2158	219297	AA	TT	1940514172
SNP_P1_245382_219313	NW_004517179.1	Scaffold2158	219313	TT	CC	1940514174
SNP_P1_245383_219316	NW_004517179.1	Scaffold2158	219316	GG	AA	1940514176
SNP_P1_245384_219358	NW_004517179.1	Scaffold2158	219358	TT	CC	1940514178
SNP_P1_245385_219373	NW_004517179.1	Scaffold2158	219373	CC	TT	1940514180
SNP_P1_245386_4813	NW_004517180.1	Scaffold2160	4813	TT	CC	1940514182
SNP_P1_245387_4859	NW_004517180.1	Scaffold2160	4859	AA	GG	1940514184
SNP_P1_245388_12971	NW_004517180.1	Scaffold2160	12971	GG	CC	1940514186
SNP_P1_245389_18228	NW_004517180.1	Scaffold2160	18228	TT	AA	1940514189
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SNP_P1_245391_20697	NW_004517180.1	Scaffold2160	20697	GG	TT	1940514193
SNP_P1_245392_20946	NW_004517180.1	Scaffold2160	20946	AA	GG	1940514195
SNP_P1_245393_22778	NW_004517180.1	Scaffold2160	22778	TT	CC	1940514197
SNP_P1_245394_28456	NW_004517180.1	Scaffold2160	28456	GG	AA	1940514199
SNP_P1_245395_28681	NW_004517180.1	Scaffold2160	28681	GG	TT	1940514201
SNP_P1_245396_28694	NW_004517180.1	Scaffold2160	28694	AA	TT	1940514203
SNP_P1_245397_28720	NW_004517180.1	Scaffold2160	28720	AA	GG	1940514206
SNP_P1_245398_28765	NW_004517180.1	Scaffold2160	28765	GG	AA	1940514208
SNP_P1_245399_29397	NW_004517180.1	Scaffold2160	29397	AA	GG	1940514210

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245402_31292	NW_004517180.1	Scaffold2160	31292	TT	AA	1940514216
SNP_P1_245403_31408	NW_004517180.1	Scaffold2160	31408	TT	CC	1940514218
SNP_P1_245404_31527	NW_004517180.1	Scaffold2160	31527	GG	AA	1940514220
SNP_P1_245405_33465	NW_004517180.1	Scaffold2160	33465	CC	GG	1940514223
SNP_P1_245407_33632	NW_004517180.1	Scaffold2160	33632	AA	TT	1940514225
SNP_P1_245408_33669	NW_004517180.1	Scaffold2160	33669	AA	CC	1940514227
SNP_P1_245409_33713	NW_004517180.1	Scaffold2160	33713	CC	AA	1940514229
SNP_P1_245410_33780	NW_004517180.1	Scaffold2160	33780	AA	CC	1940514231
SNP_P1_245411_33809	NW_004517180.1	Scaffold2160	33809	AA	TT	1940514233
SNP_P1_245412_33827	NW_004517180.1	Scaffold2160	33827	GG	CC	1940514235
SNP_P1_245413_33861	NW_004517180.1	Scaffold2160	33861	AA	GG	1940514237
SNP_P1_245414_34009	NW_004517180.1	Scaffold2160	34009	CC	GG	1940514240
SNP_P1_245415_34203	NW_004517180.1	Scaffold2160	34203	GG	AA	1940514242
SNP_P1_245416_34826	NW_004517180.1	Scaffold2160	34826	TT	CC	1940514244
SNP_P1_245417_59	NW_004517181.1	Scaffold2161	59	AA	GG	1940514246
SNP_P1_245418_63	NW_004517181.1	Scaffold2161	63	TT	CC	1940514248
SNP_P1_245419_64	NW_004517181.1	Scaffold2161	64	AA	GG	1940514250
SNP_P1_245420_118	NW_004517181.1	Scaffold2161	118	GG	CC	1940514252
SNP_P1_245421_133	NW_004517181.1	Scaffold2161	133	TT	CC	1940514254
SNP_P1_245422_4006	NW_004517181.1	Scaffold2161	4006	TT	AA	1940514257
SNP_P1_245423_5047	NW_004517181.1	Scaffold2161	5047	TT	CC	1940514259
SNP_P1_245424_5053	NW_004517181.1	Scaffold2161	5053	AA	CC	1940514261
SNP_P1_245425_5068	NW_004517181.1	Scaffold2161	5068	TT	GG	1940514263
SNP_P1_245426_5093	NW_004517181.1	Scaffold2161	5093	GG	CC	1940514265
SNP_P1_245428_5513	NW_004517181.1	Scaffold2161	5513	CC	GG	1940514267
SNP_P1_245429_5835	NW_004517181.1	Scaffold2161	5835	AA	CC	1940514269
SNP_P1_245430_7074	NW_004517181.1	Scaffold2161	7074	TT	GG	1940514271
SNP_P1_245431_7435	NW_004517181.1	Scaffold2161	7435	TT	CC	1940514273
SNP_P1_245432_7438	NW_004517181.1	Scaffold2161	7438	TT	CC	1940514276
SNP_P1_245433_7491	NW_004517181.1	Scaffold2161	7491	GG	TT	1940514278
SNP_P1_245434_8087	NW_004517181.1	Scaffold2161	8087	TT	CC	1940514280
SNP_P1_245435_8268	NW_004517181.1	Scaffold2161	8268	AA	CC	1940514282
SNP_P1_245436_8706	NW_004517181.1	Scaffold2161	8706	GG	AA	1940514284
SNP_P1_245437_9083	NW_004517181.1	Scaffold2161	9083	CC	TT	1940514286
SNP_P1_245438_9725	NW_004517181.1	Scaffold2161	9725	AA	TT	1940514288
SNP_P1_245439_10550	NW_004517181.1	Scaffold2161	10550	AA	TT	1940514290
SNP_P1_245440_11644	NW_004517181.1	Scaffold2161	11644	AA	TT	1940514293
SNP_P1_245441_14303	NW_004517181.1	Scaffold2161	14303	CC	TT	1940514295
SNP_P1_245443_14396	NW_004517181.1	Scaffold2161	14396	TT	AA	1940514297
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245451_58411	NW_004517181.1	Scaffold2161	58411	GG	TT	1940514305
SNP_P1_245452_58420	NW_004517181.1	Scaffold2161	58420	AA	TT	1940514307
SNP_P1_245453_58424	NW_004517181.1	Scaffold2161	58424	GG	AA	1940514310
SNP_P1_245454_58425	NW_004517181.1	Scaffold2161	58425	TT	AA	1940514312
SNP_P1_245455_58427	NW_004517181.1	Scaffold2161	58427	TT	GG	1940514314
SNP_P1_245456_63212	NW_004517181.1	Scaffold2161	63212	TT	CC	1940514316
SNP_P1_245457_68047	NW_004517181.1	Scaffold2161	68047	AA	GG	1940514318
SNP_P1_245458_71074	NW_004517181.1	Scaffold2161	71074	CC	TT	1940514320
SNP_P1_245459_73148	NW_004517181.1	Scaffold2161	73148	GG	AA	1940514323
SNP_P1_245460_73163	NW_004517181.1	Scaffold2161	73163	TT	CC	1940514325
SNP_P1_245461_73169	NW_004517181.1	Scaffold2161	73169	AA	CC	1940514327
SNP_P1_245462_73207	NW_004517181.1	Scaffold2161	73207	TT	CC	1940514329
SNP_P1_245463_73551	NW_004517181.1	Scaffold2161	73551	CC	TT	1940514331
SNP_P1_245464_73758	NW_004517181.1	Scaffold2161	73758	TT	GG	1940514333
SNP_P1_245465_106432	NW_004517181.1	Scaffold2161	106432	TT	CC	1940514335
SNP_P1_245466_106508	NW_004517181.1	Scaffold2161	106508	TT	CC	1940514338
SNP_P1_245467_106515	NW_004517181.1	Scaffold2161	106515	AA	TT	1940514340
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SNP_P1_245469_106774	NW_004517181.1	Scaffold2161	106774	CC	TT	1940514344
SNP_P1_245470_106775	NW_004517181.1	Scaffold2161	106775	AA	GG	1940514346
SNP_P1_245471_106865	NW_004517181.1	Scaffold2161	106865	GG	AA	1940514348
SNP_P1_245472_106882	NW_004517181.1	Scaffold2161	106882	TT	CC	1940514350
SNP_P1_245473_111137	NW_004517181.1	Scaffold2161	111137	CC	AA	1940514352
SNP_P1_245474_111176	NW_004517181.1	Scaffold2161	111176	CC	TT	1940514355
SNP_P1_245476_111326	NW_004517181.1	Scaffold2161	111326	GG	AA	1940514357
SNP_P1_245477_111372	NW_004517181.1	Scaffold2161	111372	AA	GG	1940514359
SNP_P1_245478_111673	NW_004517181.1	Scaffold2161	111673	TT	CC	1940514361
SNP_P1_245479_111729	NW_004517181.1	Scaffold2161	111729	AA	TT	1940514363
SNP_P1_245480_126952	NW_004517181.1	Scaffold2161	126952	AA	TT	1940514365
SNP_P1_245481_128537	NW_004517181.1	Scaffold2161	128537	TT	AA	1940514367
SNP_P1_245482_134337	NW_004517181.1	Scaffold2161	134337	AA	CC	1940514370
SNP_P1_245484_138018	NW_004517181.1	Scaffold2161	138018	AA	GG	1940514372
SNP_P1_245485_140037	NW_004517181.1	Scaffold2161	140037	AA	GG	1940514374
SNP_P1_245487_157272	NW_004517181.1	Scaffold2161	157272	AA	GG	1940514376
SNP_P1_245489_160242	NW_004517181.1	Scaffold2161	160242	AA	TT	1940514378
SNP_P1_245491_167099	NW_004517181.1	Scaffold2161	167099	CC	TT	1940514380
SNP_P1_245492_167101	NW_004517181.1	Scaffold2161	167101	TT	CC	1940514382
SNP_P1_245493_168078	NW_004517181.1	Scaffold2161	168078	CC	TT	1940514384
SNP_P1_245494_171920	NW_004517181.1	Scaffold2161	171920	AA	GG	1940514386
SNP_P1_245495_176432	NW_004517181.1	Scaffold2161	176432	AA	GG	1940514389

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245497_176442	NW_004517181.1	Scaffold2161	176442	AA	TT	1940514393
SNP_P1_245500_196631	NW_004517181.1	Scaffold2161	196631	AA	GG	1940514395
SNP_P1_245501_196736	NW_004517181.1	Scaffold2161	196736	TT	GG	1940514397
SNP_P1_245502_196747	NW_004517181.1	Scaffold2161	196747	AA	GG	1940514399
SNP_P1_245503_196773	NW_004517181.1	Scaffold2161	196773	GG	AA	1940514401
SNP_P1_245504_196954	NW_004517181.1	Scaffold2161	196954	GG	TT	1940514403
SNP_P1_245505_196984	NW_004517181.1	Scaffold2161	196984	AA	GG	1940514405
SNP_P1_245506_197141	NW_004517181.1	Scaffold2161	197141	CC	AA	1940514408
SNP_P1_245507_198102	NW_004517181.1	Scaffold2161	198102	AA	CC	1940514410
SNP_P1_245508_199850	NW_004517181.1	Scaffold2161	199850	TT	CC	1940514412
SNP_P1_245509_203511	NW_004517181.1	Scaffold2161	203511	GG	CC	1940514414
SNP_P1_245511_213407	NW_004517181.1	Scaffold2161	213407	TT	CC	1940514416
SNP_P1_245512_216110	NW_004517181.1	Scaffold2161	216110	AA	GG	1940514418
SNP_P1_245514_249592	NW_004517181.1	Scaffold2161	249592	GG	AA	1940514420
SNP_P1_245515_249647	NW_004517181.1	Scaffold2161	249647	AA	TT	1940514422
SNP_P1_245516_256972	NW_004517181.1	Scaffold2161	256972	AA	GG	1940514425
SNP_P1_245517_271949	NW_004517181.1	Scaffold2161	271949	CC	TT	1940514427
SNP_P1_245518_281789	NW_004517181.1	Scaffold2161	281789	AA	GG	1940514429
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SNP_P1_245521_8126	NW_004517182.1	Scaffold2163	8126	TT	AA	1940514434
SNP_P1_245522_8381	NW_004517182.1	Scaffold2163	8381	TT	CC	1940514436
SNP_P1_245523_8382	NW_004517182.1	Scaffold2163	8382	CC	TT	1940514438
SNP_P1_245524_8395	NW_004517182.1	Scaffold2163	8395	AA	CC	1940514440
SNP_P1_245525_9163	NW_004517182.1	Scaffold2163	9163	GG	TT	1940514442
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SNP_P1_245527_9241	NW_004517182.1	Scaffold2163	9241	AA	TT	1940514446
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SNP_P1_245534_29946	NW_004517182.1	Scaffold2163	29946	GG	CC	1940514461
SNP_P1_245535_29962	NW_004517182.1	Scaffold2163	29962	AA	GG	1940514463
SNP_P1_245537_51029	NW_004517182.1	Scaffold2163	51029	TT	AA	1940514465
SNP_P1_245538_53783	NW_004517182.1	Scaffold2163	53783	TT	CC	1940514468
SNP_P1_245539_53784	NW_004517182.1	Scaffold2163	53784	GG	AA	1940514470
SNP_P1_245540_53785	NW_004517182.1	Scaffold2163	53785	AA	CC	1940514472
SNP_P1_245541_53788	NW_004517182.1	Scaffold2163	53788	TT	CC	1940514474
SNP_P1_245542_53789	NW_004517182.1	Scaffold2163	53789	CC	TT	1940514476
SNP_P1_245543_56905	NW_004517182.1	Scaffold2163	56905	GG	AA	1940514478

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245546_68997	NW_004517182.1	Scaffold2163	68997	CC	GG	1940514485
SNP_P1_245547_69485	NW_004517182.1	Scaffold2163	69485	TT	AA	1940514487
SNP_P1_245548_69690	NW_004517182.1	Scaffold2163	69690	AA	TT	1940514489
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SNP_P1_245550_69747	NW_004517182.1	Scaffold2163	69747	GG	AA	1940514493
SNP_P1_245551_69775	NW_004517182.1	Scaffold2163	69775	AA	GG	1940514496
SNP_P1_245552_71191	NW_004517182.1	Scaffold2163	71191	TT	GG	1940514498
SNP_P1_245553_71434	NW_004517182.1	Scaffold2163	71434	CC	AA	1940514500
SNP_P1_245554_71469	NW_004517182.1	Scaffold2163	71469	TT	AA	1940514502
SNP_P1_245556_71491	NW_004517182.1	Scaffold2163	71491	TT	GG	1940514504
SNP_P1_245557_71550	NW_004517182.1	Scaffold2163	71550	CC	AA	1940514506
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SNP_P1_245561_74072	NW_004517182.1	Scaffold2163	74072	TT	CC	1940514515
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SNP_P1_245569_78589	NW_004517182.1	Scaffold2163	78589	AA	TT	1940514532
SNP_P1_245570_78614	NW_004517182.1	Scaffold2163	78614	CC	TT	1940514534
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SNP_P1_245575_5548	NW_004517183.1	Scaffold2164	5548	TT	AA	1940514542
SNP_P1_245576_5583	NW_004517183.1	Scaffold2164	5583	GG	AA	1940514544
SNP_P1_245577_6464	NW_004517183.1	Scaffold2164	6464	CC	AA	1940514547
SNP_P1_245578_8626	NW_004517183.1	Scaffold2164	8626	AA	TT	1940514549
SNP_P1_245579_8668	NW_004517183.1	Scaffold2164	8668	CC	GG	1940514551
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SNP_P1_245582_17004	NW_004517183.1	Scaffold2164	17004	CC	TT	1940514557
SNP_P1_245583_17018	NW_004517183.1	Scaffold2164	17018	AA	GG	1940514559
SNP_P1_245584_17925	NW_004517183.1	Scaffold2164	17925	GG	AA	1940514561
SNP_P1_245585_22423	NW_004517183.1	Scaffold2164	22423	TT	CC	1940514564
SNP_P1_245586_22430	NW_004517183.1	Scaffold2164	22430	GG	AA	1940514566
SNP_P1_245587_22820	NW_004517183.1	Scaffold2164	22820	AA	GG	1940514568

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_245588_23188	NW_004517183.1	Scaffold2164	23188	GG	AA	1940514570
SNP_P1_245589_23427	NW_004517183.1	Scaffold2164	23427	TT	AA	1940514572
SNP_P1_245590_23631	NW_004517183.1	Scaffold2164	23631	TT	CC	1940514574
SNP_P1_245591_24849	NW_004517183.1	Scaffold2164	24849	CC	TT	1940514576
SNP_P1_245592_29503	NW_004517183.1	Scaffold2164	29503	AA	GG	1940514578
SNP_P1_245593_38915	NW_004517183.1	Scaffold2164	38915	TT	CC	1940514581
SNP_P1_245594_38962	NW_004517183.1	Scaffold2164	38962	TT	GG	1940514583
SNP_P1_245595_39220	NW_004517183.1	Scaffold2164	39220	GG	AA	1940514585
SNP_P1_245596_39341	NW_004517183.1	Scaffold2164	39341	TT	GG	1940514587
SNP_P1_245599_48305	NW_004517183.1	Scaffold2164	48305	AA	GG	1940514589
SNP_P1_245600_52868	NW_004517183.1	Scaffold2164	52868	CC	AA	1940514591
SNP_P1_245601_58783	NW_004517183.1	Scaffold2164	58783	AA	GG	1940514593
SNP_P1_245602_59965	NW_004517183.1	Scaffold2164	59965	TT	AA	1940514595
SNP_P1_245603_59985	NW_004517183.1	Scaffold2164	59985	GG	TT	1940514598
SNP_P1_245604_62825	NW_004517183.1	Scaffold2164	62825	GG	AA	1940514600
SNP_P1_245605_62887	NW_004517183.1	Scaffold2164	62887	AA	CC	1940514602
SNP_P1_245606_62951	NW_004517183.1	Scaffold2164	62951	GG	AA	1940514604
SNP_P1_245607_62980	NW_004517183.1	Scaffold2164	62980	GG	AA	1940514606
SNP_P1_245608_63353	NW_004517183.1	Scaffold2164	63353	GG	TT	1940514608
SNP_P1_245609_63501	NW_004517183.1	Scaffold2164	63501	CC	TT	1940514610
SNP_P1_245610_67737	NW_004517183.1	Scaffold2164	67737	AA	CC	1940514613
SNP_P1_245611_67751	NW_004517183.1	Scaffold2164	67751	AA	GG	1940514615
SNP_P1_245613_71331	NW_004517183.1	Scaffold2164	71331	CC	TT	1940514617
SNP_P1_245614_71335	NW_004517183.1	Scaffold2164	71335	TT	AA	1940514619
SNP_P1_245615_71575	NW_004517183.1	Scaffold2164	71575	TT	AA	1940514621
SNP_P1_245616_71609	NW_004517183.1	Scaffold2164	71609	TT	AA	1940514623
SNP_P1_245617_71658	NW_004517183.1	Scaffold2164	71658	TT	CC	1940514625
SNP_P1_245618_71684	NW_004517183.1	Scaffold2164	71684	GG	AA	1940514628
SNP_P1_245619_71752	NW_004517183.1	Scaffold2164	71752	GG	AA	1940514630
SNP_P1_245620_71909	NW_004517183.1	Scaffold2164	71909	AA	GG	1940514632
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SNP_P1_245625_88683	NW_004517183.1	Scaffold2164	88683	CC	AA	1940514642
SNP_P1_245626_90383	NW_004517183.1	Scaffold2164	90383	CC	TT	1940514645
SNP_P1_245627_467	NW_004517184.1	Scaffold2166	467	AA	GG	1940514647
SNP_P1_245628_770	NW_004517184.1	Scaffold2166	770	TT	CC	1940514649
SNP_P1_245629_792	NW_004517184.1	Scaffold2166	792	AA	GG	1940514651
SNP_P1_245630_831	NW_004517184.1	Scaffold2166	831	TT	AA	1940514653
SNP_P1_245632_20014	NW_004517184.1	Scaffold2166	20014	CC	TT	1940514655
SNP_P1_245633_39743	NW_004517184.1	Scaffold2166	39743	TT	CC	1940514657

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245638_54081	NW_004517184.1	Scaffold2166	54081	TT	CC	1940514664
SNP_P1_245639_54088	NW_004517184.1	Scaffold2166	54088	GG	AA	1940514666
SNP_P1_245640_54121	NW_004517184.1	Scaffold2166	54121	AA	GG	1940514668
SNP_P1_245641_72512	NW_004517184.1	Scaffold2166	72512	TT	CC	1940514670
SNP_P1_245643_101513	NW_004517184.1	Scaffold2166	101513	AA	TT	1940514672
SNP_P1_245644_101514	NW_004517184.1	Scaffold2166	101514	AA	TT	1940514675
SNP_P1_245645_102067	NW_004517184.1	Scaffold2166	102067	TT	AA	1940514677
SNP_P1_245647_125161	NW_004517184.1	Scaffold2166	125161	GG	AA	1940514679
SNP_P1_245648_140438	NW_004517184.1	Scaffold2166	140438	CC	TT	1940514681
SNP_P1_245649_143265	NW_004517184.1	Scaffold2166	143265	AA	CC	1940514683
SNP_P1_245650_153282	NW_004517184.1	Scaffold2166	153282	CC	TT	1940514685
SNP_P1_245651_156911	NW_004517184.1	Scaffold2166	156911	GG	TT	1940514687
SNP_P1_245652_161822	NW_004517184.1	Scaffold2166	161822	TT	CC	1940514690
SNP_P1_245654_194205	NW_004517184.1	Scaffold2166	194205	AA	GG	1940514692
SNP_P1_245655_194525	NW_004517184.1	Scaffold2166	194525	GG	TT	1940514694
SNP_P1_245656_204117	NW_004517184.1	Scaffold2166	204117	TT	CC	1940514696
SNP_P1_245657_204133	NW_004517184.1	Scaffold2166	204133	CC	TT	1940514698
SNP_P1_245658_204136	NW_004517184.1	Scaffold2166	204136	TT	AA	1940514700
SNP_P1_245659_240206	NW_004517184.1	Scaffold2166	240206	GG	TT	1940514702
SNP_P1_245661_2185	NW_004517185.1	Scaffold2168	2185	AA	TT	1940514704
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SNP_P1_245663_12761	NW_004517185.1	Scaffold2168	12761	AA	TT	1940514709
SNP_P1_245664_12772	NW_004517185.1	Scaffold2168	12772	GG	TT	1940514711
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SNP_P1_245666_12872	NW_004517185.1	Scaffold2168	12872	GG	AA	1940514715
SNP_P1_245667_12876	NW_004517185.1	Scaffold2168	12876	AA	TT	1940514717
SNP_P1_245668_12878	NW_004517185.1	Scaffold2168	12878	GG	CC	1940514719
SNP_P1_245669_12879	NW_004517185.1	Scaffold2168	12879	CC	AA	1940514722
SNP_P1_245670_12887	NW_004517185.1	Scaffold2168	12887	CC	GG	1940514724
SNP_P1_245671_13087	NW_004517185.1	Scaffold2168	13087	AA	CC	1940514726
SNP_P1_245672_13089	NW_004517185.1	Scaffold2168	13089	CC	AA	1940514728
SNP_P1_245673_13132	NW_004517185.1	Scaffold2168	13132	AA	CC	1940514730
SNP_P1_245674_13140	NW_004517185.1	Scaffold2168	13140	AA	CC	1940514732
SNP_P1_245675_13143	NW_004517185.1	Scaffold2168	13143	AA	TT	1940514734
SNP_P1_245676_13170	NW_004517185.1	Scaffold2168	13170	CC	AA	1940514737
SNP_P1_245677_13188	NW_004517185.1	Scaffold2168	13188	GG	AA	1940514739
SNP_P1_245678_13206	NW_004517185.1	Scaffold2168	13206	AA	GG	1940514741
SNP_P1_245679_15183	NW_004517185.1	Scaffold2168	15183	AA	CC	1940514743
SNP_P1_245680_15185	NW_004517185.1	Scaffold2168	15185	GG	AA	1940514745
SNP_P1_245681_330	NW_004517186.1	Scaffold2169	330	TT	AA	1940514747

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245684_1107	NW_004517186.1	Scaffold2169	1107	AA	GG	1940514754
SNP_P1_245685_2234	NW_004517187.1	Scaffold2170	2234	TT	AA	1940514756
SNP_P1_245686_2404	NW_004517187.1	Scaffold2170	2404	TT	CC	1940514758
SNP_P1_245687_2469	NW_004517187.1	Scaffold2170	2469	TT	CC	1940514760
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SNP_P1_245689_2919	NW_004517187.1	Scaffold2170	2919	CC	GG	1940514764
SNP_P1_245690_3185	NW_004517187.1	Scaffold2170	3185	CC	TT	1940514766
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SNP_P1_245692_3249	NW_004517187.1	Scaffold2170	3249	GG	AA	1940514771
SNP_P1_245693_3307	NW_004517187.1	Scaffold2170	3307	GG	AA	1940514773
SNP_P1_245694_3349	NW_004517187.1	Scaffold2170	3349	AA	GG	1940514775
SNP_P1_245695_3512	NW_004517187.1	Scaffold2170	3512	AA	GG	1940514777
SNP_P1_245696_3579	NW_004517187.1	Scaffold2170	3579	GG	AA	1940514779
SNP_P1_245697_3817	NW_004517187.1	Scaffold2170	3817	GG	AA	1940514781
SNP_P1_245698_3999	NW_004517187.1	Scaffold2170	3999	TT	CC	1940514784
SNP_P1_245700_4279	NW_004517187.1	Scaffold2170	4279	CC	GG	1940514786
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SNP_P1_245702_4672	NW_004517187.1	Scaffold2170	4672	GG	CC	1940514790
SNP_P1_245703_4761	NW_004517187.1	Scaffold2170	4761	GG	AA	1940514792
SNP_P1_245704_4821	NW_004517187.1	Scaffold2170	4821	AA	GG	1940514794
SNP_P1_245707_5788	NW_004517187.1	Scaffold2170	5788	CC	TT	1940514796
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SNP_P1_245709_6409	NW_004517187.1	Scaffold2170	6409	TT	GG	1940514801
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SNP_P1_245714_6599	NW_004517187.1	Scaffold2170	6599	AA	GG	1940514811
SNP_P1_245715_6653	NW_004517187.1	Scaffold2170	6653	AA	GG	1940514813
SNP_P1_245717_7055	NW_004517187.1	Scaffold2170	7055	GG	TT	1940514815
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SNP_P1_245725_10006	NW_004517187.1	Scaffold2170	10006	AA	GG	1940514833
SNP_P1_245726_11824	NW_004517187.1	Scaffold2170	11824	CC	TT	1940514835
SNP_P1_245727_11912	NW_004517187.1	Scaffold2170	11912	CC	TT	1940514837

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245737_24315	NW_004517187.1	Scaffold2170	24315	GG	AA	1940514852
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SNP_P1_245747_1838	NW_004517189.1	Scaffold2173	1838	TT	AA	1940514871
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SNP_P1_245771_7441	NW_004517189.1	Scaffold2173	7441	AA	GG	1940514922
SNP_P1_245772_7482	NW_004517189.1	Scaffold2173	7482	CC	TT	1940514924
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245776_10420	NW_004517189.1	Scaffold2173	10420	GG	AA	1940514933
SNP_P1_245777_10450	NW_004517189.1	Scaffold2173	10450	CC	GG	1940514935
SNP_P1_245778_10651	NW_004517189.1	Scaffold2173	10651	TT	GG	1940514937
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SNP_P1_245782_11060	NW_004517189.1	Scaffold2173	11060	TT	AA	1940514946
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SNP_P1_245811_19763	NW_004517189.1	Scaffold2173	19763	AA	GG	1940515003
SNP_P1_245812_19816	NW_004517189.1	Scaffold2173	19816	TT	AA	1940515005
SNP_P1_245813_19817	NW_004517189.1	Scaffold2173	19817	TT	GG	1940515007
SNP_P1_245815_19918	NW_004517189.1	Scaffold2173	19918	AA	GG	1940515009
SNP_P1_245816_19947	NW_004517189.1	Scaffold2173	19947	CC	TT	1940515012
SNP_P1_245817_19953	NW_004517189.1	Scaffold2173	19953	AA	CC	1940515014
SNP_P1_245818_19990	NW_004517189.1	Scaffold2173	19990	AA	GG	1940515016

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245820_20272	NW_004517189.1	Scaffold2173	20272	AA	GG	1940515020
SNP_P1_245821_20293	NW_004517189.1	Scaffold2173	20293	CC	AA	1940515022
SNP_P1_245822_20317	NW_004517189.1	Scaffold2173	20317	TT	AA	1940515024
SNP_P1_245823_20325	NW_004517189.1	Scaffold2173	20325	CC	TT	1940515027
SNP_P1_245824_20408	NW_004517189.1	Scaffold2173	20408	CC	AA	1940515029
SNP_P1_245825_20416	NW_004517189.1	Scaffold2173	20416	TT	GG	1940515031
SNP_P1_245826_20461	NW_004517189.1	Scaffold2173	20461	AA	TT	1940515033
SNP_P1_245827_20468	NW_004517189.1	Scaffold2173	20468	TT	AA	1940515035
SNP_P1_245828_20496	NW_004517189.1	Scaffold2173	20496	CC	GG	1940515037
SNP_P1_245829_20542	NW_004517189.1	Scaffold2173	20542	AA	TT	1940515039
SNP_P1_245830_20562	NW_004517189.1	Scaffold2173	20562	GG	AA	1940515041
SNP_P1_245831_20575	NW_004517189.1	Scaffold2173	20575	TT	AA	1940515044
SNP_P1_245832_20584	NW_004517189.1	Scaffold2173	20584	TT	CC	1940515046
SNP_P1_245833_20586	NW_004517189.1	Scaffold2173	20586	CC	GG	1940515048
SNP_P1_245834_20597	NW_004517189.1	Scaffold2173	20597	TT	AA	1940515050
SNP_P1_245835_20600	NW_004517189.1	Scaffold2173	20600	TT	AA	1940515052
SNP_P1_245836_20605	NW_004517189.1	Scaffold2173	20605	TT	CC	1940515054
SNP_P1_245837_20675	NW_004517189.1	Scaffold2173	20675	AA	GG	1940515056
SNP_P1_245838_20760	NW_004517189.1	Scaffold2173	20760	GG	TT	1940515058
SNP_P1_245839_20823	NW_004517189.1	Scaffold2173	20823	CC	GG	1940515061
SNP_P1_245840_20841	NW_004517189.1	Scaffold2173	20841	CC	GG	1940515063
SNP_P1_245841_20846	NW_004517189.1	Scaffold2173	20846	AA	GG	1940515065
SNP_P1_245842_21006	NW_004517189.1	Scaffold2173	21006	AA	GG	1940515067
SNP_P1_245843_27222	NW_004517189.1	Scaffold2173	27222	GG	AA	1940515069
SNP_P1_245844_27237	NW_004517189.1	Scaffold2173	27237	TT	CC	1940515071
SNP_P1_245845_27255	NW_004517189.1	Scaffold2173	27255	AA	CC	1940515073
SNP_P1_245846_27256	NW_004517189.1	Scaffold2173	27256	GG	TT	1940515076
SNP_P1_245847_27273	NW_004517189.1	Scaffold2173	27273	TT	GG	1940515078
SNP_P1_245849_54816	NW_004517189.1	Scaffold2173	54816	GG	TT	1940515080
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SNP_P1_245851_54862	NW_004517189.1	Scaffold2173	54862	TT	CC	1940515084
SNP_P1_245852_55981	NW_004517189.1	Scaffold2173	55981	GG	CC	1940515086
SNP_P1_245853_56189	NW_004517189.1	Scaffold2173	56189	AA	GG	1940515088
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SNP_P1_245856_56428	NW_004517189.1	Scaffold2173	56428	GG	TT	1940515093
SNP_P1_245857_56504	NW_004517189.1	Scaffold2173	56504	GG	TT	1940515095
SNP_P1_245859_56594	NW_004517189.1	Scaffold2173	56594	GG	CC	1940515097
SNP_P1_245860_56621	NW_004517189.1	Scaffold2173	56621	TT	AA	1940515099
SNP_P1_245861_60622	NW_004517189.1	Scaffold2173	60622	TT	GG	1940515101
SNP_P1_245862_60876	NW_004517189.1	Scaffold2173	60876	AA	GG	1940515103
SNP_P1_245863_68426	NW_004517189.1	Scaffold2173	68426	CC	GG	1940515105

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245865_68430	NW_004517189.1	Scaffold2173	68430	CC	GG	1940515110
SNP_P1_245866_71415	NW_004517189.1	Scaffold2173	71415	TT	CC	1940515112
SNP_P1_245867_78853	NW_004517189.1	Scaffold2173	78853	CC	TT	1940515114
SNP_P1_245868_78855	NW_004517189.1	Scaffold2173	78855	TT	AA	1940515116
SNP_P1_245869_78857	NW_004517189.1	Scaffold2173	78857	AA	CC	1940515118
SNP_P1_245871_80353	NW_004517189.1	Scaffold2173	80353	AA	GG	1940515120
SNP_P1_245872_80393	NW_004517189.1	Scaffold2173	80393	AA	GG	1940515122
SNP_P1_245873_80425	NW_004517189.1	Scaffold2173	80425	AA	GG	1940515124
SNP_P1_245874_80427	NW_004517189.1	Scaffold2173	80427	AA	GG	1940515127
SNP_P1_245875_80433	NW_004517189.1	Scaffold2173	80433	TT	CC	1940515129
SNP_P1_245876_80778	NW_004517189.1	Scaffold2173	80778	TT	CC	1940515131
SNP_P1_245877_81132	NW_004517189.1	Scaffold2173	81132	AA	GG	1940515133
SNP_P1_245878_84561	NW_004517189.1	Scaffold2173	84561	TT	GG	1940515135
SNP_P1_245879_87158	NW_004517189.1	Scaffold2173	87158	GG	AA	1940515137
SNP_P1_245880_87166	NW_004517189.1	Scaffold2173	87166	GG	AA	1940515139
SNP_P1_245881_87201	NW_004517189.1	Scaffold2173	87201	AA	GG	1940515141
SNP_P1_245882_87440	NW_004517189.1	Scaffold2173	87440	TT	CC	1940515144
SNP_P1_245883_87459	NW_004517189.1	Scaffold2173	87459	CC	TT	1940515146
SNP_P1_245884_91436	NW_004517189.1	Scaffold2173	91436	CC	GG	1940515148
SNP_P1_245885_91437	NW_004517189.1	Scaffold2173	91437	AA	TT	1940515150
SNP_P1_245886_91445	NW_004517189.1	Scaffold2173	91445	GG	AA	1940515152
SNP_P1_245887_1177	NW_004517190.1	Scaffold2174	1177	AA	CC	1940515154
SNP_P1_245888_6108	NW_004517192.1	Scaffold2176	6108	GG	AA	1940515156
SNP_P1_245889_6138	NW_004517192.1	Scaffold2176	6138	AA	GG	1940515159
SNP_P1_245890_6352	NW_004517192.1	Scaffold2176	6352	AA	TT	1940515161
SNP_P1_245891_6564	NW_004517192.1	Scaffold2176	6564	TT	GG	1940515163
SNP_P1_245892_6672	NW_004517192.1	Scaffold2176	6672	AA	GG	1940515165
SNP_P1_245893_6690	NW_004517192.1	Scaffold2176	6690	CC	GG	1940515167
SNP_P1_245894_6715	NW_004517192.1	Scaffold2176	6715	CC	GG	1940515169
SNP_P1_245895_7031	NW_004517192.1	Scaffold2176	7031	CC	TT	1940515171
SNP_P1_245896_7041	NW_004517192.1	Scaffold2176	7041	AA	CC	1940515174
SNP_P1_245897_11232	NW_004517192.1	Scaffold2176	11232	TT	AA	1940515176
SNP_P1_245898_17816	NW_004517192.1	Scaffold2176	17816	TT	CC	1940515178
SNP_P1_245899_18301	NW_004517192.1	Scaffold2176	18301	GG	AA	1940515180
SNP_P1_245900_24291	NW_004517192.1	Scaffold2176	24291	GG	AA	1940515182
SNP_P1_245901_24724	NW_004517192.1	Scaffold2176	24724	TT	AA	1940515184
SNP_P1_245902_24906	NW_004517192.1	Scaffold2176	24906	GG	TT	1940515186
SNP_P1_245903_26447	NW_004517192.1	Scaffold2176	26447	GG	TT	1940515189
SNP_P1_245904_26556	NW_004517192.1	Scaffold2176	26556	AA	CC	1940515191
SNP_P1_245905_26600	NW_004517192.1	Scaffold2176	26600	AA	GG	1940515193
SNP_P1_245906_27141	NW_004517192.1	Scaffold2176	27141	CC	GG	1940515195

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245909_28909	NW_004517192.1	Scaffold2176	28909	TT	AA	1940515201
SNP_P1_245910_28942	NW_004517192.1	Scaffold2176	28942	CC	AA	1940515204
SNP_P1_245911_29076	NW_004517192.1	Scaffold2176	29076	GG	AA	1940515206
SNP_P1_245912_33584	NW_004517192.1	Scaffold2176	33584	AA	GG	1940515208
SNP_P1_245913_33591	NW_004517192.1	Scaffold2176	33591	TT	CC	1940515210
SNP_P1_245914_33621	NW_004517192.1	Scaffold2176	33621	CC	TT	1940515212
SNP_P1_245915_1911	NW_004517193.1	Scaffold2177	1911	TT	CC	1940515214
SNP_P1_245916_1994	NW_004517193.1	Scaffold2177	1994	TT	CC	1940515216
SNP_P1_245917_2034	NW_004517193.1	Scaffold2177	2034	TT	AA	1940515219
SNP_P1_245918_2055	NW_004517193.1	Scaffold2177	2055	TT	AA	1940515221
SNP_P1_245919_2242	NW_004517193.1	Scaffold2177	2242	TT	CC	1940515223
SNP_P1_245920_9507	NW_004517193.1	Scaffold2177	9507	CC	TT	1940515225
SNP_P1_245921_10254	NW_004517193.1	Scaffold2177	10254	TT	CC	1940515227
SNP_P1_245923_10867	NW_004517193.1	Scaffold2177	10867	GG	AA	1940515229
SNP_P1_245924_10965	NW_004517193.1	Scaffold2177	10965	CC	TT	1940515231
SNP_P1_245925_79	NW_004517195.1	Scaffold2179	79	TT	CC	1940515234
SNP_P1_245926_113	NW_004517195.1	Scaffold2179	113	AA	TT	1940515236
SNP_P1_245927_121	NW_004517195.1	Scaffold2179	121	GG	AA	1940515238
SNP_P1_245928_134	NW_004517195.1	Scaffold2179	134	TT	CC	1940515240
SNP_P1_245930_441	NW_004517195.1	Scaffold2179	441	TT	CC	1940515242
SNP_P1_245931_463	NW_004517195.1	Scaffold2179	463	AA	GG	1940515244
SNP_P1_245932_465	NW_004517195.1	Scaffold2179	465	TT	CC	1940515246
SNP_P1_245933_477	NW_004517195.1	Scaffold2179	477	GG	AA	1940515249
SNP_P1_245934_513	NW_004517195.1	Scaffold2179	513	CC	TT	1940515251
SNP_P1_245938_24584	NW_004517195.1	Scaffold2179	24584	TT	CC	1940515253
SNP_P1_245939_24605	NW_004517195.1	Scaffold2179	24605	TT	CC	1940515255
SNP_P1_245940_24613	NW_004517195.1	Scaffold2179	24613	AA	GG	1940515257
SNP_P1_245941_24943	NW_004517195.1	Scaffold2179	24943	CC	TT	1940515259
SNP_P1_245942_25102	NW_004517195.1	Scaffold2179	25102	CC	TT	1940515261
SNP_P1_245943_25154	NW_004517195.1	Scaffold2179	25154	CC	TT	1940515264
SNP_P1_245944_25159	NW_004517195.1	Scaffold2179	25159	AA	CC	1940515266
SNP_P1_245945_26252	NW_004517195.1	Scaffold2179	26252	AA	GG	1940515268
SNP_P1_245946_26270	NW_004517195.1	Scaffold2179	26270	AA	GG	1940515270
SNP_P1_245947_26273	NW_004517195.1	Scaffold2179	26273	AA	GG	1940515272
SNP_P1_245948_26303	NW_004517195.1	Scaffold2179	26303	AA	GG	1940515274
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SNP_P1_245950_26324	NW_004517195.1	Scaffold2179	26324	GG	TT	1940515279
SNP_P1_245951_26642	NW_004517195.1	Scaffold2179	26642	GG	AA	1940515281
SNP_P1_245952_26663	NW_004517195.1	Scaffold2179	26663	GG	AA	1940515283
SNP_P1_245954_33440	NW_004517195.1	Scaffold2179	33440	AA	TT	1940515285

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_245957_34564	NW_004517195.1	Scaffold2179	34564	GG	AA	1940515291
SNP_P1_245958_34572	NW_004517195.1	Scaffold2179	34572	AA	GG	1940515293
SNP_P1_245959_35703	NW_004517195.1	Scaffold2179	35703	AA	TT	1940515296
SNP_P1_245960_35730	NW_004517195.1	Scaffold2179	35730	AA	GG	1940515298
SNP_P1_245961_35747	NW_004517195.1	Scaffold2179	35747	TT	CC	1940515300
SNP_P1_245962_35837	NW_004517195.1	Scaffold2179	35837	CC	GG	1940515302
SNP_P1_245963_35891	NW_004517195.1	Scaffold2179	35891	CC	AA	1940515304
SNP_P1_245964_35893	NW_004517195.1	Scaffold2179	35893	AA	GG	1940515306
SNP_P1_245965_35917	NW_004517195.1	Scaffold2179	35917	AA	TT	1940515308
SNP_P1_245968_36022	NW_004517195.1	Scaffold2179	36022	GG	AA	1940515311
SNP_P1_245969_36034	NW_004517195.1	Scaffold2179	36034	TT	CC	1940515313
SNP_P1_245970_36044	NW_004517195.1	Scaffold2179	36044	AA	GG	1940515315
SNP_P1_245972_36100	NW_004517195.1	Scaffold2179	36100	GG	AA	1940515317
SNP_P1_245973_36166	NW_004517195.1	Scaffold2179	36166	AA	GG	1940515319
SNP_P1_245974_36177	NW_004517195.1	Scaffold2179	36177	AA	GG	1940515321
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SNP_P1_245983_38839	NW_004517195.1	Scaffold2179	38839	CC	TT	1940515341
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SNP_P1_245990_57297	NW_004517195.1	Scaffold2179	57297	AA	GG	1940515351
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SNP_P1_246000_82174	NW_004517195.1	Scaffold2179	82174	CC	TT	1940515370
SNP_P1_246001_87282	NW_004517195.1	Scaffold2179	87282	GG	CC	1940515373
SNP_P1_246002_90365	NW_004517195.1	Scaffold2179	90365	CC	TT	1940515375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246005_115106	NW_004517195.1	Scaffold2179	115106	CC	AA	1940515381
SNP_P1_246006_115323	NW_004517195.1	Scaffold2179	115323	AA	GG	1940515383
SNP_P1_246007_121304	NW_004517195.1	Scaffold2179	121304	TT	CC	1940515385
SNP_P1_246008_128	NW_004517199.1	Scaffold2183	128	AA	GG	1940515388
SNP_P1_246009_164	NW_004517199.1	Scaffold2183	164	GG	AA	1940515390
SNP_P1_246010_173	NW_004517199.1	Scaffold2183	173	CC	TT	1940515392
SNP_P1_246011_363	NW_004517199.1	Scaffold2183	363	AA	GG	1940515394
SNP_P1_246012_378	NW_004517199.1	Scaffold2183	378	TT	GG	1940515396
SNP_P1_246013_559	NW_004517199.1	Scaffold2183	559	TT	CC	1940515398
SNP_P1_246014_623	NW_004517199.1	Scaffold2183	623	AA	CC	1940515400
SNP_P1_246015_650	NW_004517199.1	Scaffold2183	650	AA	GG	1940515402
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SNP_P1_246025_5934	NW_004517199.1	Scaffold2183	5934	AA	GG	1940515420
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SNP_P1_246029_6392	NW_004517199.1	Scaffold2183	6392	AA	GG	1940515428
SNP_P1_246030_6436	NW_004517199.1	Scaffold2183	6436	AA	TT	1940515430
SNP_P1_246031_6447	NW_004517199.1	Scaffold2183	6447	AA	GG	1940515432
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SNP_P1_246034_6491	NW_004517199.1	Scaffold2183	6491	GG	AA	1940515439
SNP_P1_246035_6727	NW_004517199.1	Scaffold2183	6727	GG	CC	1940515441
SNP_P1_246036_6772	NW_004517199.1	Scaffold2183	6772	TT	CC	1940515443
SNP_P1_246037_7053	NW_004517199.1	Scaffold2183	7053	TT	CC	1940515445
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SNP_P1_246042_14496	NW_004517199.1	Scaffold2183	14496	AA	GG	1940515456
SNP_P1_246043_14501	NW_004517199.1	Scaffold2183	14501	TT	CC	1940515458
SNP_P1_246044_14861	NW_004517199.1	Scaffold2183	14861	TT	AA	1940515460
SNP_P1_246045_15907	NW_004517199.1	Scaffold2183	15907	GG	TT	1940515462
SNP_P1_246046_16420	NW_004517199.1	Scaffold2183	16420	AA	CC	1940515464

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246048_16740	NW_004517199.1	Scaffold2183	16740	GG	AA	1940515469
SNP_P1_246049_16796	NW_004517199.1	Scaffold2183	16796	GG	AA	1940515471
SNP_P1_246050_16812	NW_004517199.1	Scaffold2183	16812	CC	TT	1940515473
SNP_P1_246051_18171	NW_004517199.1	Scaffold2183	18171	AA	GG	1940515475
SNP_P1_246052_18189	NW_004517199.1	Scaffold2183	18189	CC	TT	1940515477
SNP_P1_246053_18196	NW_004517199.1	Scaffold2183	18196	AA	TT	1940515479
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SNP_P1_246055_18522	NW_004517199.1	Scaffold2183	18522	CC	GG	1940515484
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SNP_P1_246057_18547	NW_004517199.1	Scaffold2183	18547	AA	TT	1940515488
SNP_P1_246058_18989	NW_004517199.1	Scaffold2183	18989	GG	AA	1940515490
SNP_P1_246059_19156	NW_004517199.1	Scaffold2183	19156	GG	CC	1940515492
SNP_P1_246060_19201	NW_004517199.1	Scaffold2183	19201	CC	TT	1940515494
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SNP_P1_246073_20167	NW_004517199.1	Scaffold2183	20167	GG	AA	1940515520
SNP_P1_246074_20170	NW_004517199.1	Scaffold2183	20170	AA	CC	1940515522
SNP_P1_246075_20178	NW_004517199.1	Scaffold2183	20178	CC	TT	1940515524
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SNP_P1_246085_23907	NW_004517199.1	Scaffold2183	23907	GG	TT	1940515545
SNP_P1_246086_24060	NW_004517199.1	Scaffold2183	24060	GG	AA	1940515548
SNP_P1_246087_27852	NW_004517199.1	Scaffold2183	27852	GG	AA	1940515550
SNP_P1_246088_28476	NW_004517199.1	Scaffold2183	28476	TT	CC	1940515552
SNP_P1_246089_28514	NW_004517199.1	Scaffold2183	28514	TT	AA	1940515554

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246092_30195	NW_004517199.1	Scaffold2183	30195	CC	TT	1940515560
SNP_P1_246093_31807	NW_004517199.1	Scaffold2183	31807	TT	AA	1940515563
SNP_P1_246094_31925	NW_004517199.1	Scaffold2183	31925	TT	AA	1940515565
SNP_P1_246095_31972	NW_004517199.1	Scaffold2183	31972	GG	AA	1940515567
SNP_P1_246096_32740	NW_004517199.1	Scaffold2183	32740	AA	TT	1940515569
SNP_P1_246097_32748	NW_004517199.1	Scaffold2183	32748	TT	CC	1940515571
SNP_P1_246098_32754	NW_004517199.1	Scaffold2183	32754	GG	AA	1940515573
SNP_P1_246099_32935	NW_004517199.1	Scaffold2183	32935	TT	CC	1940515575
SNP_P1_246100_33177	NW_004517199.1	Scaffold2183	33177	GG	AA	1940515577
SNP_P1_246101_33217	NW_004517199.1	Scaffold2183	33217	AA	TT	1940515580
SNP_P1_246102_33266	NW_004517199.1	Scaffold2183	33266	CC	AA	1940515582
SNP_P1_246103_34021	NW_004517199.1	Scaffold2183	34021	AA	TT	1940515584
SNP_P1_246104_38226	NW_004517199.1	Scaffold2183	38226	GG	AA	1940515586
SNP_P1_246105_38449	NW_004517199.1	Scaffold2183	38449	CC	TT	1940515588
SNP_P1_246106_39170	NW_004517199.1	Scaffold2183	39170	CC	TT	1940515590
SNP_P1_246107_39186	NW_004517199.1	Scaffold2183	39186	GG	AA	1940515592
SNP_P1_246108_39407	NW_004517199.1	Scaffold2183	39407	AA	CC	1940515595
SNP_P1_246109_39826	NW_004517199.1	Scaffold2183	39826	AA	GG	1940515597
SNP_P1_246110_39828	NW_004517199.1	Scaffold2183	39828	AA	GG	1940515599
SNP_P1_246111_40099	NW_004517199.1	Scaffold2183	40099	GG	TT	1940515601
SNP_P1_246112_40797	NW_004517199.1	Scaffold2183	40797	TT	CC	1940515603
SNP_P1_246113_41057	NW_004517199.1	Scaffold2183	41057	TT	AA	1940515605
SNP_P1_246114_41263	NW_004517199.1	Scaffold2183	41263	AA	GG	1940515607
SNP_P1_246115_41294	NW_004517199.1	Scaffold2183	41294	AA	GG	1940515609
SNP_P1_246116_44006	NW_004517199.1	Scaffold2183	44006	TT	GG	1940515612
SNP_P1_246117_44114	NW_004517199.1	Scaffold2183	44114	TT	CC	1940515614
SNP_P1_246118_44178	NW_004517199.1	Scaffold2183	44178	CC	TT	1940515616
SNP_P1_246119_44515	NW_004517199.1	Scaffold2183	44515	CC	TT	1940515618
SNP_P1_246120_44606	NW_004517199.1	Scaffold2183	44606	CC	TT	1940515620
SNP_P1_246121_44950	NW_004517199.1	Scaffold2183	44950	CC	AA	1940515622
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SNP_P1_246123_46490	NW_004517199.1	Scaffold2183	46490	AA	TT	1940515627
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SNP_P1_246125_46656	NW_004517199.1	Scaffold2183	46656	CC	TT	1940515631
SNP_P1_246126_46671	NW_004517199.1	Scaffold2183	46671	AA	GG	1940515633
SNP_P1_246127_46689	NW_004517199.1	Scaffold2183	46689	TT	CC	1940515635
SNP_P1_246128_47006	NW_004517199.1	Scaffold2183	47006	AA	TT	1940515637
SNP_P1_246129_47580	NW_004517199.1	Scaffold2183	47580	CC	AA	1940515639
SNP_P1_246130_47622	NW_004517199.1	Scaffold2183	47622	CC	TT	1940515641
SNP_P1_246131_47671	NW_004517199.1	Scaffold2183	47671	AA	GG	1940515643

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246134_48154	NW_004517199.1	Scaffold2183	48154	TT	CC	1940515650
SNP_P1_246135_48233	NW_004517199.1	Scaffold2183	48233	GG	CC	1940515652
SNP_P1_246136_48399	NW_004517199.1	Scaffold2183	48399	TT	CC	1940515654
SNP_P1_246137_48423	NW_004517199.1	Scaffold2183	48423	AA	GG	1940515656
SNP_P1_246138_48424	NW_004517199.1	Scaffold2183	48424	AA	GG	1940515658
SNP_P1_246139_48432	NW_004517199.1	Scaffold2183	48432	CC	TT	1940515661
SNP_P1_246140_48447	NW_004517199.1	Scaffold2183	48447	CC	TT	1940515663
SNP_P1_246141_48709	NW_004517199.1	Scaffold2183	48709	TT	GG	1940515665
SNP_P1_246142_48735	NW_004517199.1	Scaffold2183	48735	CC	AA	1940515667
SNP_P1_246143_49792	NW_004517199.1	Scaffold2183	49792	CC	AA	1940515669
SNP_P1_246144_52222	NW_004517199.1	Scaffold2183	52222	AA	TT	1940515671
SNP_P1_246145_52289	NW_004517199.1	Scaffold2183	52289	CC	TT	1940515673
SNP_P1_246146_54755	NW_004517199.1	Scaffold2183	54755	GG	TT	1940515675
SNP_P1_246147_55097	NW_004517199.1	Scaffold2183	55097	CC	TT	1940515678
SNP_P1_246148_59334	NW_004517199.1	Scaffold2183	59334	CC	TT	1940515680
SNP_P1_246149_59364	NW_004517199.1	Scaffold2183	59364	CC	TT	1940515682
SNP_P1_246150_59384	NW_004517199.1	Scaffold2183	59384	TT	CC	1940515684
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SNP_P1_246153_61920	NW_004517199.1	Scaffold2183	61920	AA	TT	1940515690
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SNP_P1_246164_64997	NW_004517199.1	Scaffold2183	64997	GG	AA	1940515714
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SNP_P1_246167_65771	NW_004517199.1	Scaffold2183	65771	TT	AA	1940515720
SNP_P1_246168_65792	NW_004517199.1	Scaffold2183	65792	TT	CC	1940515722
SNP_P1_246169_65794	NW_004517199.1	Scaffold2183	65794	AA	GG	1940515725
SNP_P1_246170_65866	NW_004517199.1	Scaffold2183	65866	CC	GG	1940515727
SNP_P1_246171_66047	NW_004517199.1	Scaffold2183	66047	AA	TT	1940515729
SNP_P1_246172_66428	NW_004517199.1	Scaffold2183	66428	AA	GG	1940515731
SNP_P1_246173_66469	NW_004517199.1	Scaffold2183	66469	AA	GG	1940515733

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246175_66733	NW_004517199.1	Scaffold2183	66733	AA	CC	1940515737
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SNP_P1_246177_67007	NW_004517199.1	Scaffold2183	67007	GG	TT	1940515742
SNP_P1_246178_67052	NW_004517199.1	Scaffold2183	67052	AA	GG	1940515744
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SNP_P1_246188_67677	NW_004517199.1	Scaffold2183	67677	CC	AA	1940515763
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SNP_P1_246214_68535	NW_004517199.1	Scaffold2183	68535	GG	AA	1940515819
SNP_P1_246215_68599	NW_004517199.1	Scaffold2183	68599	AA	GG	1940515821
SNP_P1_246216_68618	NW_004517199.1	Scaffold2183	68618	CC	TT	1940515823

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246219_68669	NW_004517199.1	Scaffold2183	68669	CC	AA	1940515829
SNP_P1_246220_68682	NW_004517199.1	Scaffold2183	68682	TT	GG	1940515831
SNP_P1_246221_68715	NW_004517199.1	Scaffold2183	68715	AA	TT	1940515834
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SNP_P1_246241_69495	NW_004517199.1	Scaffold2183	69495	CC	TT	1940515876
SNP_P1_246242_69509	NW_004517199.1	Scaffold2183	69509	TT	AA	1940515878
SNP_P1_246243_69539	NW_004517199.1	Scaffold2183	69539	TT	CC	1940515881
SNP_P1_246244_69651	NW_004517199.1	Scaffold2183	69651	CC	TT	1940515883
SNP_P1_246245_69657	NW_004517199.1	Scaffold2183	69657	CC	TT	1940515885
SNP_P1_246246_69677	NW_004517199.1	Scaffold2183	69677	AA	TT	1940515887
SNP_P1_246247_69688	NW_004517199.1	Scaffold2183	69688	GG	AA	1940515889
SNP_P1_246248_69724	NW_004517199.1	Scaffold2183	69724	GG	AA	1940515891
SNP_P1_246249_69761	NW_004517199.1	Scaffold2183	69761	CC	TT	1940515893
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SNP_P1_246254_69926	NW_004517199.1	Scaffold2183	69926	AA	GG	1940515902
SNP_P1_246255_69963	NW_004517199.1	Scaffold2183	69963	CC	AA	1940515904
SNP_P1_246256_69978	NW_004517199.1	Scaffold2183	69978	TT	CC	1940515906
SNP_P1_246257_70014	NW_004517199.1	Scaffold2183	70014	GG	TT	1940515908
SNP_P1_246259_70082	NW_004517199.1	Scaffold2183	70082	AA	GG	1940515910
SNP_P1_246260_70140	NW_004517199.1	Scaffold2183	70140	CC	TT	1940515913

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246262_70192	NW_004517199.1	Scaffold2183	70192	GG	AA	1940515917
SNP_P1_246263_70292	NW_004517199.1	Scaffold2183	70292	TT	CC	1940515919
SNP_P1_246264_70303	NW_004517199.1	Scaffold2183	70303	CC	TT	1940515921
SNP_P1_246265_70307	NW_004517199.1	Scaffold2183	70307	TT	GG	1940515923
SNP_P1_246266_70311	NW_004517199.1	Scaffold2183	70311	GG	TT	1940515925
SNP_P1_246267_70370	NW_004517199.1	Scaffold2183	70370	CC	AA	1940515928
SNP_P1_246268_70388	NW_004517199.1	Scaffold2183	70388	CC	TT	1940515930
SNP_P1_246269_70413	NW_004517199.1	Scaffold2183	70413	GG	CC	1940515932
SNP_P1_246270_70455	NW_004517199.1	Scaffold2183	70455	CC	TT	1940515934
SNP_P1_246271_70523	NW_004517199.1	Scaffold2183	70523	CC	TT	1940515936
SNP_P1_246272_70527	NW_004517199.1	Scaffold2183	70527	CC	TT	1940515938
SNP_P1_246273_70541	NW_004517199.1	Scaffold2183	70541	AA	GG	1940515940
SNP_P1_246274_70555	NW_004517199.1	Scaffold2183	70555	AA	GG	1940515943
SNP_P1_246275_70751	NW_004517199.1	Scaffold2183	70751	GG	AA	1940515945
SNP_P1_246276_70948	NW_004517199.1	Scaffold2183	70948	GG	AA	1940515947
SNP_P1_246277_71151	NW_004517199.1	Scaffold2183	71151	GG	AA	1940515949
SNP_P1_246279_71664	NW_004517199.1	Scaffold2183	71664	AA	GG	1940515951
SNP_P1_246280_71937	NW_004517199.1	Scaffold2183	71937	GG	CC	1940515953
SNP_P1_246281_71952	NW_004517199.1	Scaffold2183	71952	TT	GG	1940515955
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SNP_P1_246283_74329	NW_004517199.1	Scaffold2183	74329	GG	AA	1940515960
SNP_P1_246284_74392	NW_004517199.1	Scaffold2183	74392	TT	CC	1940515962
SNP_P1_246285_74424	NW_004517199.1	Scaffold2183	74424	GG	AA	1940515964
SNP_P1_246286_74425	NW_004517199.1	Scaffold2183	74425	TT	GG	1940515966
SNP_P1_246287_74444	NW_004517199.1	Scaffold2183	74444	AA	CC	1940515968
SNP_P1_246288_74532	NW_004517199.1	Scaffold2183	74532	TT	CC	1940515970
SNP_P1_246289_74977	NW_004517199.1	Scaffold2183	74977	AA	GG	1940515972
SNP_P1_246290_75061	NW_004517199.1	Scaffold2183	75061	AA	GG	1940515975
SNP_P1_246291_75077	NW_004517199.1	Scaffold2183	75077	AA	TT	1940515977
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SNP_P1_246293_75585	NW_004517199.1	Scaffold2183	75585	GG	TT	1940515981
SNP_P1_246294_75644	NW_004517199.1	Scaffold2183	75644	AA	CC	1940515983
SNP_P1_246295_75665	NW_004517199.1	Scaffold2183	75665	AA	TT	1940515985
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SNP_P1_246297_75748	NW_004517199.1	Scaffold2183	75748	CC	GG	1940515989
SNP_P1_246298_4611	NW_004517202.1	Scaffold2186	4611	AA	GG	1940515992
SNP_P1_246299_7445	NW_004517202.1	Scaffold2186	7445	TT	GG	1940515994
SNP_P1_246302_18454	NW_004517205.1	Scaffold2192	18454	AA	GG	1940515996
SNP_P1_246303_27640	NW_004517205.1	Scaffold2192	27640	TT	CC	1940515998
SNP_P1_246304_28109	NW_004517205.1	Scaffold2192	28109	AA	GG	1940516000
SNP_P1_246305_45892	NW_004517205.1	Scaffold2192	45892	GG	TT	1940516002

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246307_55891	NW_004517205.1	Scaffold2192	55891	CC	TT	1940516007
SNP_P1_246308_55953	NW_004517205.1	Scaffold2192	55953	AA	TT	1940516009
SNP_P1_246309_70281	NW_004517205.1	Scaffold2192	70281	GG	TT	1940516011
SNP_P1_246310_74133	NW_004517205.1	Scaffold2192	74133	GG	TT	1940516013
SNP_P1_246311_74171	NW_004517205.1	Scaffold2192	74171	GG	AA	1940516015
SNP_P1_246312_75180	NW_004517205.1	Scaffold2192	75180	GG	TT	1940516017
SNP_P1_246313_79351	NW_004517205.1	Scaffold2192	79351	TT	AA	1940516019
SNP_P1_246314_84520	NW_004517205.1	Scaffold2192	84520	AA	CC	1940516021
SNP_P1_246315_91747	NW_004517205.1	Scaffold2192	91747	CC	AA	1940516024
SNP_P1_246316_91748	NW_004517205.1	Scaffold2192	91748	TT	GG	1940516026
SNP_P1_246318_107577	NW_004517205.1	Scaffold2192	107577	AA	GG	1940516028
SNP_P1_246319_107964	NW_004517205.1	Scaffold2192	107964	TT	CC	1940516030
SNP_P1_246320_107968	NW_004517205.1	Scaffold2192	107968	TT	GG	1940516032
SNP_P1_246321_107971	NW_004517205.1	Scaffold2192	107971	TT	AA	1940516034
SNP_P1_246322_107996	NW_004517205.1	Scaffold2192	107996	GG	TT	1940516036
SNP_P1_246323_108056	NW_004517205.1	Scaffold2192	108056	TT	CC	1940516039
SNP_P1_246324_108089	NW_004517205.1	Scaffold2192	108089	GG	CC	1940516041
SNP_P1_246325_108146	NW_004517205.1	Scaffold2192	108146	TT	CC	1940516043
SNP_P1_246326_108151	NW_004517205.1	Scaffold2192	108151	GG	AA	1940516045
SNP_P1_246327_108373	NW_004517205.1	Scaffold2192	108373	GG	TT	1940516047
SNP_P1_246328_108406	NW_004517205.1	Scaffold2192	108406	GG	AA	1940516049
SNP_P1_246329_108424	NW_004517205.1	Scaffold2192	108424	TT	CC	1940516051
SNP_P1_246330_108705	NW_004517205.1	Scaffold2192	108705	TT	CC	1940516054
SNP_P1_246331_108894	NW_004517205.1	Scaffold2192	108894	CC	AA	1940516056
SNP_P1_246332_108912	NW_004517205.1	Scaffold2192	108912	AA	TT	1940516058
SNP_P1_246334_108947	NW_004517205.1	Scaffold2192	108947	TT	CC	1940516060
SNP_P1_246335_108951	NW_004517205.1	Scaffold2192	108951	AA	GG	1940516062
SNP_P1_246336_108996	NW_004517205.1	Scaffold2192	108996	TT	CC	1940516064
SNP_P1_246337_109272	NW_004517205.1	Scaffold2192	109272	CC	TT	1940516066
SNP_P1_246338_111048	NW_004517205.1	Scaffold2192	111048	CC	TT	1940516068
SNP_P1_246339_114533	NW_004517205.1	Scaffold2192	114533	GG	TT	1940516071
SNP_P1_246340_130859	NW_004517205.1	Scaffold2192	130859	TT	GG	1940516073
SNP_P1_246341_132082	NW_004517205.1	Scaffold2192	132082	AA	GG	1940516075
SNP_P1_246342_150793	NW_004517205.1	Scaffold2192	150793	TT	CC	1940516077
SNP_P1_246343_153875	NW_004517205.1	Scaffold2192	153875	TT	CC	1940516079
SNP_P1_246344_160355	NW_004517205.1	Scaffold2192	160355	AA	GG	1940516081
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SNP_P1_246346_160414	NW_004517205.1	Scaffold2192	160414	AA	GG	1940516085
SNP_P1_246347_160724	NW_004517205.1	Scaffold2192	160724	AA	GG	1940516088
SNP_P1_246348_160725	NW_004517205.1	Scaffold2192	160725	AA	CC	1940516090
SNP_P1_246349_160811	NW_004517205.1	Scaffold2192	160811	CC	TT	1940516092

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246352_163940	NW_004517205.1	Scaffold2192	163940	CC	TT	1940516098
SNP_P1_246353_164000	NW_004517205.1	Scaffold2192	164000	AA	TT	1940516100
SNP_P1_246354_168732	NW_004517205.1	Scaffold2192	168732	CC	TT	1940516103
SNP_P1_246355_170748	NW_004517205.1	Scaffold2192	170748	CC	TT	1940516105
SNP_P1_246356_182729	NW_004517205.1	Scaffold2192	182729	TT	AA	1940516107
SNP_P1_246357_182740	NW_004517205.1	Scaffold2192	182740	TT	AA	1940516109
SNP_P1_246358_182757	NW_004517205.1	Scaffold2192	182757	GG	AA	1940516111
SNP_P1_246359_182765	NW_004517205.1	Scaffold2192	182765	TT	CC	1940516113
SNP_P1_246360_182777	NW_004517205.1	Scaffold2192	182777	TT	CC	1940516115
SNP_P1_246361_182823	NW_004517205.1	Scaffold2192	182823	TT	CC	1940516117
SNP_P1_246362_182891	NW_004517205.1	Scaffold2192	182891	AA	CC	1940516120
SNP_P1_246363_182953	NW_004517205.1	Scaffold2192	182953	GG	AA	1940516122
SNP_P1_246364_182965	NW_004517205.1	Scaffold2192	182965	TT	CC	1940516124
SNP_P1_246365_182997	NW_004517205.1	Scaffold2192	182997	AA	TT	1940516126
SNP_P1_246366_183017	NW_004517205.1	Scaffold2192	183017	AA	CC	1940516128
SNP_P1_246367_183024	NW_004517205.1	Scaffold2192	183024	TT	AA	1940516130
SNP_P1_246368_183026	NW_004517205.1	Scaffold2192	183026	GG	AA	1940516132
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SNP_P1_246370_183117	NW_004517205.1	Scaffold2192	183117	CC	AA	1940516137
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SNP_P1_246374_183216	NW_004517205.1	Scaffold2192	183216	CC	AA	1940516145
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SNP_P1_246377_195896	NW_004517205.1	Scaffold2192	195896	GG	AA	1940516152
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SNP_P1_246379_207224	NW_004517205.1	Scaffold2192	207224	TT	AA	1940516156
SNP_P1_246380_209237	NW_004517205.1	Scaffold2192	209237	CC	TT	1940516158
SNP_P1_246381_217422	NW_004517205.1	Scaffold2192	217422	CC	TT	1940516160
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SNP_P1_246385_218425	NW_004517205.1	Scaffold2192	218425	GG	AA	1940516169
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SNP_P1_246387_223677	NW_004517205.1	Scaffold2192	223677	TT	CC	1940516173
SNP_P1_246388_223727	NW_004517205.1	Scaffold2192	223727	TT	CC	1940516175
SNP_P1_246389_223964	NW_004517205.1	Scaffold2192	223964	CC	AA	1940516177
SNP_P1_246390_224032	NW_004517205.1	Scaffold2192	224032	TT	CC	1940516179
SNP_P1_246391_224038	NW_004517205.1	Scaffold2192	224038	GG	AA	1940516181

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246394_12559	NW_004517206.1	Scaffold2193	12559	GG	TT	1940516188
SNP_P1_246395_12692	NW_004517206.1	Scaffold2193	12692	AA	GG	1940516190
SNP_P1_246396_12826	NW_004517206.1	Scaffold2193	12826	GG	AA	1940516192
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SNP_P1_246401_13232	NW_004517206.1	Scaffold2193	13232	TT	CC	1940516203
SNP_P1_246402_18023	NW_004517206.1	Scaffold2193	18023	CC	AA	1940516205
SNP_P1_246403_22331	NW_004517206.1	Scaffold2193	22331	TT	CC	1940516207
SNP_P1_246404_22344	NW_004517206.1	Scaffold2193	22344	TT	AA	1940516209
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SNP_P1_246407_31407	NW_004517206.1	Scaffold2193	31407	TT	GG	1940516213
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SNP_P1_246423_51395	NW_004517206.1	Scaffold2193	51395	AA	GG	1940516245
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SNP_P1_246426_55229	NW_004517206.1	Scaffold2193	55229	TT	GG	1940516252
SNP_P1_246427_55307	NW_004517206.1	Scaffold2193	55307	TT	CC	1940516254
SNP_P1_246428_55520	NW_004517206.1	Scaffold2193	55520	TT	CC	1940516256
SNP_P1_246429_58867	NW_004517206.1	Scaffold2193	58867	TT	AA	1940516258
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SNP_P1_246432_59432	NW_004517206.1	Scaffold2193	59432	AA	GG	1940516265
SNP_P1_246433_59853	NW_004517206.1	Scaffold2193	59853	CC	TT	1940516267
SNP_P1_246434_60615	NW_004517206.1	Scaffold2193	60615	TT	CC	1940516269
SNP_P1_246435_60616	NW_004517206.1	Scaffold2193	60616	AA	CC	1940516271

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246438_60713	NW_004517206.1	Scaffold2193	60713	TT	CC	1940516277
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SNP_P1_246440_60962	NW_004517206.1	Scaffold2193	60962	AA	TT	1940516282
SNP_P1_246441_60963	NW_004517206.1	Scaffold2193	60963	AA	GG	1940516284
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SNP_P1_246444_74579	NW_004517206.1	Scaffold2193	74579	AA	GG	1940516290
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SNP_P1_246450_123673	NW_004517206.1	Scaffold2193	123673	GG	TT	1940516301
SNP_P1_246451_123682	NW_004517206.1	Scaffold2193	123682	TT	CC	1940516303
SNP_P1_246452_123685	NW_004517206.1	Scaffold2193	123685	TT	CC	1940516305
SNP_P1_246453_124811	NW_004517206.1	Scaffold2193	124811	AA	GG	1940516307
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SNP_P1_246456_128010	NW_004517206.1	Scaffold2193	128010	GG	AA	1940516314
SNP_P1_246457_128077	NW_004517206.1	Scaffold2193	128077	CC	TT	1940516316
SNP_P1_246459_164741	NW_004517206.1	Scaffold2193	164741	CC	TT	1940516318
SNP_P1_246460_164947	NW_004517206.1	Scaffold2193	164947	CC	TT	1940516320
SNP_P1_246461_165015	NW_004517206.1	Scaffold2193	165015	CC	AA	1940516322
SNP_P1_246462_165028	NW_004517206.1	Scaffold2193	165028	CC	AA	1940516324
SNP_P1_246463_165245	NW_004517206.1	Scaffold2193	165245	AA	CC	1940516327
SNP_P1_246464_165252	NW_004517206.1	Scaffold2193	165252	AA	GG	1940516329
SNP_P1_246465_1064	NW_004517207.1	Scaffold2194	1064	GG	TT	1940516331
SNP_P1_246466_9287	NW_004517207.1	Scaffold2194	9287	TT	GG	1940516333
SNP_P1_246467_12762	NW_004517207.1	Scaffold2194	12762	CC	GG	1940516335
SNP_P1_246468_19402	NW_004517207.1	Scaffold2194	19402	TT	CC	1940516337
SNP_P1_246469_19409	NW_004517207.1	Scaffold2194	19409	GG	AA	1940516339
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SNP_P1_246471_23812	NW_004517207.1	Scaffold2194	23812	TT	GG	1940516344
SNP_P1_246472_24099	NW_004517207.1	Scaffold2194	24099	GG	TT	1940516346
SNP_P1_246473_24272	NW_004517207.1	Scaffold2194	24272	AA	GG	1940516348
SNP_P1_246474_24288	NW_004517207.1	Scaffold2194	24288	CC	TT	1940516350
SNP_P1_246475_24294	NW_004517207.1	Scaffold2194	24294	GG	TT	1940516352
SNP_P1_246476_24394	NW_004517207.1	Scaffold2194	24394	CC	TT	1940516354
SNP_P1_246477_24446	NW_004517207.1	Scaffold2194	24446	GG	TT	1940516357
SNP_P1_246478_24608	NW_004517207.1	Scaffold2194	24608	AA	CC	1940516359
SNP_P1_246479_24734	NW_004517207.1	Scaffold2194	24734	TT	GG	1940516361

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246482_25273	NW_004517207.1	Scaffold2194	25273	AA	TT	1940516367
SNP_P1_246483_26469	NW_004517207.1	Scaffold2194	26469	CC	TT	1940516369
SNP_P1_246484_26508	NW_004517207.1	Scaffold2194	26508	TT	GG	1940516371
SNP_P1_246487_736	NW_004517208.1	Scaffold2195	736	TT	AA	1940516374
SNP_P1_246488_1329	NW_004517208.1	Scaffold2195	1329	GG	TT	1940516376
SNP_P1_246489_1330	NW_004517208.1	Scaffold2195	1330	TT	GG	1940516378
SNP_P1_246490_1584	NW_004517208.1	Scaffold2195	1584	TT	CC	1940516380
SNP_P1_246491_1590	NW_004517208.1	Scaffold2195	1590	TT	CC	1940516382
SNP_P1_246492_1591	NW_004517208.1	Scaffold2195	1591	GG	TT	1940516384
SNP_P1_246493_1648	NW_004517208.1	Scaffold2195	1648	AA	GG	1940516386
SNP_P1_246494_1954	NW_004517208.1	Scaffold2195	1954	TT	CC	1940516388
SNP_P1_246495_1975	NW_004517208.1	Scaffold2195	1975	GG	AA	1940516391
SNP_P1_246496_1982	NW_004517208.1	Scaffold2195	1982	GG	TT	1940516393
SNP_P1_246497_2062	NW_004517208.1	Scaffold2195	2062	GG	AA	1940516395
SNP_P1_246498_2066	NW_004517208.1	Scaffold2195	2066	AA	CC	1940516397
SNP_P1_246499_909	NW_004517210.1	Scaffold2199	909	AA	GG	1940516399
SNP_P1_246500_145	NW_004517212.1	Scaffold2201	145	AA	CC	1940516401
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SNP_P1_246502_1888	NW_004517212.1	Scaffold2201	1888	TT	CC	1940516406
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SNP_P1_246504_65	NW_004517214.1	Scaffold2203	65	TT	CC	1940516410
SNP_P1_246505_358	NW_004517214.1	Scaffold2203	358	AA	CC	1940516412
SNP_P1_246506_416	NW_004517214.1	Scaffold2203	416	AA	CC	1940516414
SNP_P1_246507_6963	NW_004517214.1	Scaffold2203	6963	TT	CC	1940516416
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SNP_P1_246509_837	NW_004517215.1	Scaffold2205	837	TT	CC	1940516421
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SNP_P1_246519_3551	NW_004517215.1	Scaffold2205	3551	GG	AA	1940516440
SNP_P1_246520_3604	NW_004517215.1	Scaffold2205	3604	CC	TT	1940516442
SNP_P1_246521_7895	NW_004517215.1	Scaffold2205	7895	CC	GG	1940516444
SNP_P1_246522_10233	NW_004517215.1	Scaffold2205	10233	TT	GG	1940516446
SNP_P1_246523_10487	NW_004517215.1	Scaffold2205	10487	TT	GG	1940516448
SNP_P1_246524_10618	NW_004517215.1	Scaffold2205	10618	TT	AA	1940516450

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246526_10907	NW_004517215.1	Scaffold2205	10907	GG	AA	1940516455
SNP_P1_246527_11085	NW_004517215.1	Scaffold2205	11085	TT	GG	1940516457
SNP_P1_246528_14664	NW_004517215.1	Scaffold2205	14664	GG	CC	1940516459
SNP_P1_246529_15413	NW_004517215.1	Scaffold2205	15413	GG	AA	1940516461
SNP_P1_246530_15420	NW_004517215.1	Scaffold2205	15420	TT	CC	1940516463
SNP_P1_246531_16508	NW_004517215.1	Scaffold2205	16508	CC	AA	1940516465
SNP_P1_246532_20251	NW_004517215.1	Scaffold2205	20251	CC	AA	1940516467
SNP_P1_246533_20291	NW_004517215.1	Scaffold2205	20291	AA	GG	1940516470
SNP_P1_246534_20344	NW_004517215.1	Scaffold2205	20344	CC	TT	1940516472
SNP_P1_246535_21259	NW_004517215.1	Scaffold2205	21259	AA	TT	1940516474
SNP_P1_246536_21408	NW_004517215.1	Scaffold2205	21408	TT	GG	1940516476
SNP_P1_246537_21824	NW_004517215.1	Scaffold2205	21824	CC	TT	1940516478
SNP_P1_246538_23801	NW_004517215.1	Scaffold2205	23801	CC	TT	1940516480
SNP_P1_246539_24159	NW_004517215.1	Scaffold2205	24159	GG	AA	1940516482
SNP_P1_246540_24164	NW_004517215.1	Scaffold2205	24164	AA	TT	1940516485
SNP_P1_246541_24194	NW_004517215.1	Scaffold2205	24194	CC	TT	1940516487
SNP_P1_246542_24626	NW_004517215.1	Scaffold2205	24626	GG	CC	1940516489
SNP_P1_246543_24632	NW_004517215.1	Scaffold2205	24632	AA	CC	1940516491
SNP_P1_246544_24784	NW_004517215.1	Scaffold2205	24784	GG	TT	1940516493
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SNP_P1_246547_26272	NW_004517215.1	Scaffold2205	26272	CC	GG	1940516500
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SNP_P1_246549_27189	NW_004517215.1	Scaffold2205	27189	CC	TT	1940516504
SNP_P1_246550_27556	NW_004517215.1	Scaffold2205	27556	GG	CC	1940516506
SNP_P1_246551_36991	NW_004517215.1	Scaffold2205	36991	CC	TT	1940516508
SNP_P1_246552_37178	NW_004517215.1	Scaffold2205	37178	GG	CC	1940516510
SNP_P1_246553_37805	NW_004517215.1	Scaffold2205	37805	AA	TT	1940516512
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SNP_P1_246555_37930	NW_004517215.1	Scaffold2205	37930	CC	TT	1940516517
SNP_P1_246556_37988	NW_004517215.1	Scaffold2205	37988	GG	AA	1940516519
SNP_P1_246557_38136	NW_004517215.1	Scaffold2205	38136	AA	TT	1940516521
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SNP_P1_246562_43594	NW_004517215.1	Scaffold2205	43594	TT	GG	1940516531
SNP_P1_246563_43597	NW_004517215.1	Scaffold2205	43597	CC	TT	1940516534
SNP_P1_246564_43879	NW_004517215.1	Scaffold2205	43879	AA	CC	1940516536
SNP_P1_246565_48027	NW_004517215.1	Scaffold2205	48027	GG	AA	1940516538
SNP_P1_246566_48164	NW_004517215.1	Scaffold2205	48164	AA	GG	1940516540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246568_48440	NW_004517215.1	Scaffold2205	48440	CC	TT	1940516544
SNP_P1_246569_48458	NW_004517215.1	Scaffold2205	48458	AA	TT	1940516546
SNP_P1_246570_48485	NW_004517215.1	Scaffold2205	48485	AA	GG	1940516549
SNP_P1_246571_48679	NW_004517215.1	Scaffold2205	48679	CC	TT	1940516551
SNP_P1_246572_48756	NW_004517215.1	Scaffold2205	48756	AA	GG	1940516553
SNP_P1_246573_48860	NW_004517215.1	Scaffold2205	48860	GG	AA	1940516555
SNP_P1_246574_49044	NW_004517215.1	Scaffold2205	49044	CC	GG	1940516557
SNP_P1_246575_49070	NW_004517215.1	Scaffold2205	49070	TT	CC	1940516559
SNP_P1_246576_49093	NW_004517215.1	Scaffold2205	49093	TT	CC	1940516561
SNP_P1_246577_49096	NW_004517215.1	Scaffold2205	49096	TT	CC	1940516563
SNP_P1_246579_49167	NW_004517215.1	Scaffold2205	49167	TT	CC	1940516566
SNP_P1_246580_49205	NW_004517215.1	Scaffold2205	49205	CC	AA	1940516568
SNP_P1_246581_49210	NW_004517215.1	Scaffold2205	49210	CC	GG	1940516570
SNP_P1_246582_49476	NW_004517215.1	Scaffold2205	49476	AA	TT	1940516572
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SNP_P1_246585_704	NW_004517217.1	Scaffold2207	704	CC	TT	1940516576
SNP_P1_246586_711	NW_004517217.1	Scaffold2207	711	TT	AA	1940516578
SNP_P1_246587_715	NW_004517217.1	Scaffold2207	715	TT	AA	1940516581
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SNP_P1_246594_902	NW_004517217.1	Scaffold2207	902	GG	AA	1940516596
SNP_P1_246595_957	NW_004517217.1	Scaffold2207	957	TT	CC	1940516598
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SNP_P1_246599_1050	NW_004517217.1	Scaffold2207	1050	GG	TT	1940516606
SNP_P1_246600_1056	NW_004517217.1	Scaffold2207	1056	TT	CC	1940516608
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SNP_P1_246602_1180	NW_004517217.1	Scaffold2207	1180	GG	AA	1940516613
SNP_P1_246603_1929	NW_004517217.1	Scaffold2207	1929	GG	AA	1940516615
SNP_P1_246605_4745	NW_004517218.1	Scaffold2208	4745	TT	CC	1940516617
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SNP_P1_246607_4924	NW_004517218.1	Scaffold2208	4924	GG	AA	1940516621
SNP_P1_246608_5008	NW_004517218.1	Scaffold2208	5008	TT	CC	1940516623
SNP_P1_246609_5278	NW_004517218.1	Scaffold2208	5278	CC	TT	1940516625
SNP_P1_246610_5292	NW_004517218.1	Scaffold2208	5292	TT	GG	1940516627
SNP_P1_246611_5433	NW_004517218.1	Scaffold2208	5433	AA	TT	1940516630

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246614_5913	NW_004517218.1	Scaffold2208	5913	CC	GG	1940516636
SNP_P1_246615_5943	NW_004517218.1	Scaffold2208	5943	GG	CC	1940516638
SNP_P1_246616_5955	NW_004517218.1	Scaffold2208	5955	CC	AA	1940516640
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SNP_P1_246619_6104	NW_004517218.1	Scaffold2208	6104	CC	TT	1940516644
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SNP_P1_246622_6281	NW_004517218.1	Scaffold2208	6281	AA	GG	1940516651
SNP_P1_246623_6371	NW_004517218.1	Scaffold2208	6371	TT	AA	1940516653
SNP_P1_246624_6379	NW_004517218.1	Scaffold2208	6379	GG	AA	1940516655
SNP_P1_246625_6541	NW_004517218.1	Scaffold2208	6541	TT	CC	1940516657
SNP_P1_246626_6712	NW_004517218.1	Scaffold2208	6712	TT	CC	1940516659
SNP_P1_246627_6907	NW_004517218.1	Scaffold2208	6907	AA	GG	1940516662
SNP_P1_246628_7089	NW_004517218.1	Scaffold2208	7089	GG	CC	1940516664
SNP_P1_246630_7192	NW_004517218.1	Scaffold2208	7192	GG	CC	1940516666
SNP_P1_246631_7200	NW_004517218.1	Scaffold2208	7200	TT	GG	1940516668
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SNP_P1_246636_8447	NW_004517218.1	Scaffold2208	8447	TT	CC	1940516679
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SNP_P1_246639_9689	NW_004517218.1	Scaffold2208	9689	CC	TT	1940516685
SNP_P1_246640_9693	NW_004517218.1	Scaffold2208	9693	AA	CC	1940516687
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SNP_P1_246645_10099	NW_004517218.1	Scaffold2208	10099	CC	TT	1940516698
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SNP_P1_246650_10470	NW_004517218.1	Scaffold2208	10470	CC	AA	1940516706
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SNP_P1_246654_16248	NW_004517218.1	Scaffold2208	16248	CC	TT	1940516715
SNP_P1_246655_16561	NW_004517218.1	Scaffold2208	16561	AA	GG	1940516717
SNP_P1_246656_19085	NW_004517218.1	Scaffold2208	19085	TT	CC	1940516719

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246658_19894	NW_004517218.1	Scaffold2208	19894	AA	GG	1940516723
SNP_P1_246660_20387	NW_004517218.1	Scaffold2208	20387	AA	TT	1940516726
SNP_P1_246661_20798	NW_004517218.1	Scaffold2208	20798	GG	TT	1940516728
SNP_P1_246662_20929	NW_004517218.1	Scaffold2208	20929	AA	GG	1940516730
SNP_P1_246663_20963	NW_004517218.1	Scaffold2208	20963	TT	AA	1940516732
SNP_P1_246664_21019	NW_004517218.1	Scaffold2208	21019	TT	CC	1940516734
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SNP_P1_246670_21484	NW_004517218.1	Scaffold2208	21484	TT	CC	1940516747
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SNP_P1_246680_27773	NW_004517218.1	Scaffold2208	27773	GG	TT	1940516768
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SNP_P1_246682_232	NW_004517219.1	Scaffold2209	232	GG	TT	1940516773
SNP_P1_246683_518	NW_004517219.1	Scaffold2209	518	GG	TT	1940516775
SNP_P1_246684_64	NW_004517220.1	Scaffold2210	64	AA	TT	1940516777
SNP_P1_246685_434	NW_004517220.1	Scaffold2210	434	CC	TT	1940516779
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SNP_P1_246687_7205	NW_004517220.1	Scaffold2210	7205	GG	AA	1940516783
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SNP_P1_246698_15011	NW_004517220.1	Scaffold2210	15011	GG	TT	1940516807
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246707_15281	NW_004517220.1	Scaffold2210	15281	AA	GG	1940516824
SNP_P1_246708_15498	NW_004517220.1	Scaffold2210	15498	TT	CC	1940516826
SNP_P1_246709_17789	NW_004517220.1	Scaffold2210	17789	GG	CC	1940516828
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SNP_P1_246712_22484	NW_004517220.1	Scaffold2210	22484	AA	GG	1940516834
SNP_P1_246713_22578	NW_004517220.1	Scaffold2210	22578	AA	CC	1940516837
SNP_P1_246714_22593	NW_004517220.1	Scaffold2210	22593	CC	TT	1940516839
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SNP_P1_246717_22805	NW_004517220.1	Scaffold2210	22805	GG	AA	1940516845
SNP_P1_246718_22850	NW_004517220.1	Scaffold2210	22850	CC	GG	1940516847
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SNP_P1_246739_31397	NW_004517220.1	Scaffold2210	31397	AA	GG	1940516892
SNP_P1_246740_31439	NW_004517220.1	Scaffold2210	31439	CC	AA	1940516894
SNP_P1_246741_31451	NW_004517220.1	Scaffold2210	31451	TT	GG	1940516896
SNP_P1_246742_31456	NW_004517220.1	Scaffold2210	31456	CC	GG	1940516898

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246745_31930	NW_004517220.1	Scaffold2210	31930	GG	AA	1940516905
SNP_P1_246746_31936	NW_004517220.1	Scaffold2210	31936	TT	AA	1940516907
SNP_P1_246747_31971	NW_004517220.1	Scaffold2210	31971	TT	AA	1940516909
SNP_P1_246748_34142	NW_004517220.1	Scaffold2210	34142	GG	AA	1940516911
SNP_P1_246749_34147	NW_004517220.1	Scaffold2210	34147	AA	CC	1940516913
SNP_P1_246750_34687	NW_004517220.1	Scaffold2210	34687	AA	CC	1940516916
SNP_P1_246751_34704	NW_004517220.1	Scaffold2210	34704	GG	TT	1940516918
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SNP_P1_246753_34761	NW_004517220.1	Scaffold2210	34761	AA	GG	1940516922
SNP_P1_246754_35034	NW_004517220.1	Scaffold2210	35034	AA	GG	1940516924
SNP_P1_246755_36016	NW_004517220.1	Scaffold2210	36016	GG	AA	1940516926
SNP_P1_246756_36082	NW_004517220.1	Scaffold2210	36082	AA	CC	1940516928
SNP_P1_246758_36207	NW_004517220.1	Scaffold2210	36207	TT	AA	1940516930
SNP_P1_246759_36362	NW_004517220.1	Scaffold2210	36362	CC	TT	1940516933
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SNP_P1_246761_36381	NW_004517220.1	Scaffold2210	36381	TT	GG	1940516937
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SNP_P1_246770_47429	NW_004517220.1	Scaffold2210	47429	TT	CC	1940516956
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SNP_P1_246775_55641	NW_004517220.1	Scaffold2210	55641	AA	TT	1940516965
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SNP_P1_246777_55649	NW_004517220.1	Scaffold2210	55649	AA	CC	1940516969
SNP_P1_246778_55664	NW_004517220.1	Scaffold2210	55664	AA	GG	1940516971
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SNP_P1_246780_55817	NW_004517220.1	Scaffold2210	55817	AA	GG	1940516975
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SNP_P1_246782_55984	NW_004517220.1	Scaffold2210	55984	TT	AA	1940516980
SNP_P1_246783_56046	NW_004517220.1	Scaffold2210	56046	AA	GG	1940516982
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SNP_P1_246786_57331	NW_004517220.1	Scaffold2210	57331	TT	CC	1940516988

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246790_57579	NW_004517220.1	Scaffold2210	57579	CC	TT	1940516997
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SNP_P1_246797_58330	NW_004517220.1	Scaffold2210	58330	GG	TT	1940517011
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SNP_P1_246800_60184	NW_004517220.1	Scaffold2210	60184	AA	GG	1940517018
SNP_P1_246801_60894	NW_004517220.1	Scaffold2210	60894	GG	AA	1940517020
SNP_P1_246802_60897	NW_004517220.1	Scaffold2210	60897	AA	GG	1940517022
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SNP_P1_246804_62000	NW_004517220.1	Scaffold2210	62000	AA	TT	1940517026
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SNP_P1_246823_65684	NW_004517220.1	Scaffold2210	65684	CC	TT	1940517067
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SNP_P1_246826_65941	NW_004517220.1	Scaffold2210	65941	TT	CC	1940517073
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SNP_P1_246828_66038	NW_004517220.1	Scaffold2210	66038	TT	AA	1940517078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246840_72610	NW_004517220.1	Scaffold2210	72610	AA	GG	1940517103
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SNP_P1_246843_72913	NW_004517220.1	Scaffold2210	72913	CC	GG	1940517110
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SNP_P1_246861_5392	NW_004517226.1	Scaffold2218	5392	TT	CC	1940517144
SNP_P1_246862_10536	NW_004517226.1	Scaffold2218	10536	CC	AA	1940517146
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SNP_P1_246864_10606	NW_004517226.1	Scaffold2218	10606	GG	AA	1940517150
SNP_P1_246865_10705	NW_004517226.1	Scaffold2218	10705	AA	GG	1940517152
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SNP_P1_246869_12575	NW_004517226.1	Scaffold2218	12575	GG	AA	1940517161
SNP_P1_246870_8482	NW_004517227.1	Scaffold2219	8482	GG	TT	1940517163
SNP_P1_246871_10087	NW_004517227.1	Scaffold2219	10087	TT	CC	1940517165
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246875_10127	NW_004517227.1	Scaffold2219	10127	GG	AA	1940517172
SNP_P1_246876_11892	NW_004517227.1	Scaffold2219	11892	CC	TT	1940517174
SNP_P1_246877_1204	NW_004517228.1	Scaffold2222	1204	CC	GG	1940517176
SNP_P1_246880_701	NW_004517230.1	Scaffold2225	701	AA	GG	1940517178
SNP_P1_246881_702	NW_004517230.1	Scaffold2225	702	GG	AA	1940517180
SNP_P1_246882_708	NW_004517230.1	Scaffold2225	708	TT	CC	1940517182
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SNP_P1_246907_28202	NW_004517232.1	Scaffold2227	28202	GG	TT	1940517223
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SNP_P1_246919_29458	NW_004517232.1	Scaffold2227	29458	GG	AA	1940517248
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SNP_P1_246922_29500	NW_004517232.1	Scaffold2227	29500	AA	TT	1940517255
SNP_P1_246923_29503	NW_004517232.1	Scaffold2227	29503	GG	AA	1940517257

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246927_29793	NW_004517232.1	Scaffold2227	29793	GG	AA	1940517266
SNP_P1_246929_31926	NW_004517232.1	Scaffold2227	31926	TT	CC	1940517268
SNP_P1_246930_37766	NW_004517232.1	Scaffold2227	37766	TT	CC	1940517270
SNP_P1_246931_38182	NW_004517232.1	Scaffold2227	38182	CC	TT	1940517272
SNP_P1_246932_40989	NW_004517232.1	Scaffold2227	40989	TT	CC	1940517274
SNP_P1_246933_41209	NW_004517232.1	Scaffold2227	41209	TT	CC	1940517276
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SNP_P1_246941_870	NW_004517236.1	Scaffold2233	870	TT	AA	1940517293
SNP_P1_246942_915	NW_004517236.1	Scaffold2233	915	CC	GG	1940517295
SNP_P1_246943_408	NW_004517238.1	Scaffold2235	408	TT	GG	1940517298
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_246973_24860	NW_004517243.1	Scaffold2241	24860	AA	GG	1940517357
SNP_P1_246974_275	NW_004517244.1	Scaffold2243	275	AA	TT	1940517359
SNP_P1_246975_298	NW_004517244.1	Scaffold2243	298	GG	AA	1940517361
SNP_P1_246976_647	NW_004517244.1	Scaffold2243	647	AA	CC	1940517364
SNP_P1_246977_648	NW_004517244.1	Scaffold2243	648	TT	CC	1940517366
SNP_P1_246978_678	NW_004517244.1	Scaffold2243	678	CC	AA	1940517368
SNP_P1_246979_5818	NW_004517245.1	Scaffold2244	5818	GG	CC	1940517370
SNP_P1_246980_5907	NW_004517245.1	Scaffold2244	5907	TT	CC	1940517372
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SNP_P1_246983_6071	NW_004517245.1	Scaffold2244	6071	CC	AA	1940517379
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SNP_P1_247007_776	NW_004517249.1	Scaffold2249	776	TT	AA	1940517425
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SNP_P1_247013_1200	NW_004517249.1	Scaffold2249	1200	AA	TT	1940517436

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247018_23874	NW_004517249.1	Scaffold2249	23874	TT	CC	1940517445
SNP_P1_247019_23893	NW_004517249.1	Scaffold2249	23893	CC	TT	1940517447
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SNP_P1_247021_23911	NW_004517249.1	Scaffold2249	23911	AA	GG	1940517451
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247096_1427	NW_004517259.1	Scaffold2263	1427	TT	CC	1940517609
SNP_P1_247097_1429	NW_004517259.1	Scaffold2263	1429	GG	AA	1940517611
SNP_P1_247098_1459	NW_004517259.1	Scaffold2263	1459	TT	CC	1940517613
SNP_P1_247099_1465	NW_004517259.1	Scaffold2263	1465	AA	CC	1940517615

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_247100_1485	NW_004517259.1	Scaffold2263	1485	CC	GG	1940517617
SNP_P1_247101_1517	NW_004517259.1	Scaffold2263	1517	TT	AA	1940517619
SNP_P1_247102_1790	NW_004517259.1	Scaffold2263	1790	TT	CC	1940517622
SNP_P1_247103_1821	NW_004517259.1	Scaffold2263	1821	TT	CC	1940517624
SNP_P1_247104_1912	NW_004517259.1	Scaffold2263	1912	CC	TT	1940517626
SNP_P1_247105_1921	NW_004517259.1	Scaffold2263	1921	TT	CC	1940517628
SNP_P1_247106_1990	NW_004517259.1	Scaffold2263	1990	AA	CC	1940517630
SNP_P1_247107_2101	NW_004517259.1	Scaffold2263	2101	TT	AA	1940517632
SNP_P1_247109_3852	NW_004517260.1	Scaffold2264	3852	TT	CC	1940517634
SNP_P1_247110_4183	NW_004517260.1	Scaffold2264	4183	AA	GG	1940517636
SNP_P1_247112_45	NW_004517261.1	Scaffold2267	45	GG	AA	1940517639
SNP_P1_247113_119	NW_004517262.1	Scaffold2268	119	TT	CC	1940517641
SNP_P1_247114_484	NW_004517262.1	Scaffold2268	484	CC	TT	1940517643
SNP_P1_247115_553	NW_004517262.1	Scaffold2268	553	CC	TT	1940517645
SNP_P1_247116_1057	NW_004517262.1	Scaffold2268	1057	TT	AA	1940517647
SNP_P1_247117_1077	NW_004517262.1	Scaffold2268	1077	TT	CC	1940517649
SNP_P1_247118_4415	NW_004517262.1	Scaffold2268	4415	TT	CC	1940517651
SNP_P1_247119_6935	NW_004517262.1	Scaffold2268	6935	CC	AA	1940517653
SNP_P1_247120_7122	NW_004517262.1	Scaffold2268	7122	AA	GG	1940517656
SNP_P1_247121_7231	NW_004517262.1	Scaffold2268	7231	AA	GG	1940517658
SNP_P1_247122_7253	NW_004517262.1	Scaffold2268	7253	GG	AA	1940517660
SNP_P1_247123_9154	NW_004517262.1	Scaffold2268	9154	AA	GG	1940517662
SNP_P1_247124_9156	NW_004517262.1	Scaffold2268	9156	AA	CC	1940517664
SNP_P1_247126_1664	NW_004517263.1	Scaffold2269	1664	CC	TT	1940517666
SNP_P1_247127_2205	NW_004517263.1	Scaffold2269	2205	CC	GG	1940517668
SNP_P1_247128_5000	NW_004517263.1	Scaffold2269	5000	TT	AA	1940517671
SNP_P1_247129_6106	NW_004517263.1	Scaffold2269	6106	TT	AA	1940517673
SNP_P1_247131_10138	NW_004517263.1	Scaffold2269	10138	CC	TT	1940517675
SNP_P1_247132_11295	NW_004517263.1	Scaffold2269	11295	CC	TT	1940517677
SNP_P1_247133_18365	NW_004517263.1	Scaffold2269	18365	CC	TT	1940517679
SNP_P1_247134_20143	NW_004517263.1	Scaffold2269	20143	TT	AA	1940517681
SNP_P1_247135_20399	NW_004517263.1	Scaffold2269	20399	AA	CC	1940517683
SNP_P1_247136_20498	NW_004517263.1	Scaffold2269	20498	TT	AA	1940517685
SNP_P1_247137_20536	NW_004517263.1	Scaffold2269	20536	TT	CC	1940517688
SNP_P1_247138_20587	NW_004517263.1	Scaffold2269	20587	AA	GG	1940517690
SNP_P1_247139_29235	NW_004517263.1	Scaffold2269	29235	CC	TT	1940517692
SNP_P1_247140_43033	NW_004517263.1	Scaffold2269	43033	GG	AA	1940517694
SNP_P1_247141_43036	NW_004517263.1	Scaffold2269	43036	AA	GG	1940517696
SNP_P1_247142_43053	NW_004517263.1	Scaffold2269	43053	AA	GG	1940517698
SNP_P1_247143_43093	NW_004517263.1	Scaffold2269	43093	TT	GG	1940517700
SNP_P1_247144_43131	NW_004517263.1	Scaffold2269	43131	AA	GG	1940517703
SNP_P1_247145_43136	NW_004517263.1	Scaffold2269	43136	AA	GG	1940517705

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247147_43242	NW_004517263.1	Scaffold2269	43242	TT	GG	1940517709
SNP_P1_247149_43296	NW_004517263.1	Scaffold2269	43296	GG	AA	1940517711
SNP_P1_247150_43396	NW_004517263.1	Scaffold2269	43396	TT	CC	1940517713
SNP_P1_247151_43406	NW_004517263.1	Scaffold2269	43406	AA	GG	1940517715
SNP_P1_247152_43447	NW_004517263.1	Scaffold2269	43447	TT	CC	1940517717
SNP_P1_247153_43451	NW_004517263.1	Scaffold2269	43451	CC	TT	1940517720
SNP_P1_247155_96731	NW_004517263.1	Scaffold2269	96731	CC	TT	1940517722
SNP_P1_247157_108848	NW_004517263.1	Scaffold2269	108848	CC	TT	1940517724
SNP_P1_247158_108849	NW_004517263.1	Scaffold2269	108849	CC	TT	1940517726
SNP_P1_247159_118232	NW_004517263.1	Scaffold2269	118232	GG	AA	1940517728
SNP_P1_247160_118378	NW_004517263.1	Scaffold2269	118378	TT	AA	1940517730
SNP_P1_247161_118405	NW_004517263.1	Scaffold2269	118405	TT	AA	1940517732
SNP_P1_247163_123148	NW_004517263.1	Scaffold2269	123148	GG	CC	1940517735
SNP_P1_247164_138865	NW_004517263.1	Scaffold2269	138865	CC	GG	1940517737
SNP_P1_247165_138897	NW_004517263.1	Scaffold2269	138897	CC	TT	1940517739
SNP_P1_247166_138906	NW_004517263.1	Scaffold2269	138906	GG	TT	1940517741
SNP_P1_247167_138940	NW_004517263.1	Scaffold2269	138940	GG	AA	1940517743
SNP_P1_247168_138949	NW_004517263.1	Scaffold2269	138949	GG	AA	1940517745
SNP_P1_247169_138977	NW_004517263.1	Scaffold2269	138977	TT	CC	1940517747
SNP_P1_247170_139090	NW_004517263.1	Scaffold2269	139090	GG	AA	1940517749
SNP_P1_247171_139517	NW_004517263.1	Scaffold2269	139517	AA	GG	1940517752
SNP_P1_247172_139679	NW_004517263.1	Scaffold2269	139679	GG	AA	1940517754
SNP_P1_247173_139916	NW_004517263.1	Scaffold2269	139916	AA	GG	1940517756
SNP_P1_247174_139956	NW_004517263.1	Scaffold2269	139956	AA	GG	1940517758
SNP_P1_247175_139965	NW_004517263.1	Scaffold2269	139965	GG	AA	1940517760
SNP_P1_247176_139976	NW_004517263.1	Scaffold2269	139976	AA	GG	1940517762
SNP_P1_247177_158302	NW_004517263.1	Scaffold2269	158302	CC	AA	1940517764
SNP_P1_247178_159927	NW_004517263.1	Scaffold2269	159927	CC	TT	1940517767
SNP_P1_247179_165646	NW_004517263.1	Scaffold2269	165646	CC	TT	1940517769
SNP_P1_247180_165670	NW_004517263.1	Scaffold2269	165670	CC	AA	1940517771
SNP_P1_247181_165826	NW_004517263.1	Scaffold2269	165826	CC	TT	1940517773
SNP_P1_247182_165833	NW_004517263.1	Scaffold2269	165833	TT	CC	1940517775
SNP_P1_247183_166790	NW_004517263.1	Scaffold2269	166790	GG	AA	1940517777
SNP_P1_247184_167061	NW_004517263.1	Scaffold2269	167061	CC	GG	1940517779
SNP_P1_247185_167112	NW_004517263.1	Scaffold2269	167112	TT	AA	1940517781
SNP_P1_247186_167113	NW_004517263.1	Scaffold2269	167113	GG	TT	1940517784
SNP_P1_247187_167114	NW_004517263.1	Scaffold2269	167114	TT	GG	1940517786
SNP_P1_247188_167161	NW_004517263.1	Scaffold2269	167161	CC	TT	1940517788
SNP_P1_247189_173755	NW_004517263.1	Scaffold2269	173755	TT	CC	1940517790
SNP_P1_247190_173770	NW_004517263.1	Scaffold2269	173770	AA	GG	1940517792
SNP_P1_247191_1499	NW_004517265.1	Scaffold2273	1499	AA	GG	1940517794

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247194_1592	NW_004517265.1	Scaffold2273	1592	CC	GG	1940517801
SNP_P1_247195_1616	NW_004517265.1	Scaffold2273	1616	CC	GG	1940517803
SNP_P1_247196_2613	NW_004517265.1	Scaffold2273	2613	GG	AA	1940517805
SNP_P1_247197_2665	NW_004517265.1	Scaffold2273	2665	GG	TT	1940517807
SNP_P1_247198_2695	NW_004517265.1	Scaffold2273	2695	CC	GG	1940517809
SNP_P1_247199_2714	NW_004517265.1	Scaffold2273	2714	GG	AA	1940517811
SNP_P1_247200_2951	NW_004517265.1	Scaffold2273	2951	TT	CC	1940517813
SNP_P1_247201_3043	NW_004517265.1	Scaffold2273	3043	GG	AA	1940517816
SNP_P1_247202_3058	NW_004517265.1	Scaffold2273	3058	CC	AA	1940517818
SNP_P1_247203_3234	NW_004517265.1	Scaffold2273	3234	CC	TT	1940517820
SNP_P1_247204_4453	NW_004517265.1	Scaffold2273	4453	GG	AA	1940517822
SNP_P1_247205_4485	NW_004517265.1	Scaffold2273	4485	TT	GG	1940517824
SNP_P1_247206_9523	NW_004517265.1	Scaffold2273	9523	TT	AA	1940517826
SNP_P1_247207_9524	NW_004517265.1	Scaffold2273	9524	AA	CC	1940517828
SNP_P1_247208_9525	NW_004517265.1	Scaffold2273	9525	AA	GG	1940517830
SNP_P1_247209_9528	NW_004517265.1	Scaffold2273	9528	TT	CC	1940517833
SNP_P1_247210_12285	NW_004517265.1	Scaffold2273	12285	AA	GG	1940517835
SNP_P1_247211_15590	NW_004517265.1	Scaffold2273	15590	TT	AA	1940517837
SNP_P1_247212_17961	NW_004517265.1	Scaffold2273	17961	AA	TT	1940517839
SNP_P1_247213_18495	NW_004517265.1	Scaffold2273	18495	TT	GG	1940517842
SNP_P1_247214_18503	NW_004517265.1	Scaffold2273	18503	AA	TT	1940517844
SNP_P1_247215_22598	NW_004517265.1	Scaffold2273	22598	CC	TT	1940517846
SNP_P1_247216_22606	NW_004517265.1	Scaffold2273	22606	TT	GG	1940517848
SNP_P1_247217_22687	NW_004517265.1	Scaffold2273	22687	CC	AA	1940517850
SNP_P1_247218_22697	NW_004517265.1	Scaffold2273	22697	CC	AA	1940517852
SNP_P1_247219_23238	NW_004517265.1	Scaffold2273	23238	CC	TT	1940517854
SNP_P1_247220_24428	NW_004517265.1	Scaffold2273	24428	GG	TT	1940517856
SNP_P1_247221_24444	NW_004517265.1	Scaffold2273	24444	GG	AA	1940517859
SNP_P1_247222_24795	NW_004517265.1	Scaffold2273	24795	TT	GG	1940517861
SNP_P1_247223_24808	NW_004517265.1	Scaffold2273	24808	AA	GG	1940517863
SNP_P1_247224_24962	NW_004517265.1	Scaffold2273	24962	AA	TT	1940517865
SNP_P1_247226_24997	NW_004517265.1	Scaffold2273	24997	TT	CC	1940517867
SNP_P1_247227_26210	NW_004517265.1	Scaffold2273	26210	GG	TT	1940517869
SNP_P1_247228_32718	NW_004517265.1	Scaffold2273	32718	TT	CC	1940517871
SNP_P1_247229_32780	NW_004517265.1	Scaffold2273	32780	TT	CC	1940517874
SNP_P1_247230_32824	NW_004517265.1	Scaffold2273	32824	TT	GG	1940517876
SNP_P1_247231_32872	NW_004517265.1	Scaffold2273	32872	CC	TT	1940517878
SNP_P1_247232_32935	NW_004517265.1	Scaffold2273	32935	GG	TT	1940517880
SNP_P1_247233_33128	NW_004517265.1	Scaffold2273	33128	GG	TT	1940517882
SNP_P1_247234_33158	NW_004517265.1	Scaffold2273	33158	AA	TT	1940517884

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247237_33172	NW_004517265.1	Scaffold2273	33172	CC	GG	1940517890
SNP_P1_247238_33186	NW_004517265.1	Scaffold2273	33186	TT	GG	1940517893
SNP_P1_247239_33227	NW_004517265.1	Scaffold2273	33227	AA	GG	1940517895
SNP_P1_247240_33230	NW_004517265.1	Scaffold2273	33230	CC	TT	1940517897
SNP_P1_247241_33231	NW_004517265.1	Scaffold2273	33231	CC	TT	1940517899
SNP_P1_247242_33247	NW_004517265.1	Scaffold2273	33247	GG	AA	1940517901
SNP_P1_247243_38119	NW_004517265.1	Scaffold2273	38119	GG	AA	1940517903
SNP_P1_247244_38362	NW_004517265.1	Scaffold2273	38362	TT	CC	1940517906
SNP_P1_247245_55296	NW_004517265.1	Scaffold2273	55296	CC	AA	1940517908
SNP_P1_247246_2937	NW_004517266.1	Scaffold2275	2937	GG	AA	1940517910
SNP_P1_247248_23270	NW_004517266.1	Scaffold2275	23270	AA	GG	1940517912
SNP_P1_247249_8047	NW_004517271.1	Scaffold2282	8047	TT	GG	1940517914
SNP_P1_247250_8068	NW_004517271.1	Scaffold2282	8068	CC	TT	1940517916
SNP_P1_247251_8075	NW_004517271.1	Scaffold2282	8075	GG	AA	1940517918
SNP_P1_247252_8079	NW_004517271.1	Scaffold2282	8079	TT	AA	1940517921
SNP_P1_247253_8080	NW_004517271.1	Scaffold2282	8080	GG	AA	1940517923
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SNP_P1_247263_3038	NW_004517272.1	Scaffold2285	3038	AA	CC	1940517944
SNP_P1_247264_3045	NW_004517272.1	Scaffold2285	3045	TT	CC	1940517946
SNP_P1_247265_3067	NW_004517272.1	Scaffold2285	3067	GG	TT	1940517948
SNP_P1_247266_3094	NW_004517272.1	Scaffold2285	3094	TT	AA	1940517950
SNP_P1_247267_3110	NW_004517272.1	Scaffold2285	3110	TT	GG	1940517952
SNP_P1_247268_3157	NW_004517272.1	Scaffold2285	3157	AA	TT	1940517955
SNP_P1_247269_666	NW_004517273.1	Scaffold2286	666	AA	GG	1940517957
SNP_P1_247270_59	NW_004517274.1	Scaffold2287	59	GG	AA	1940517959
SNP_P1_247271_64	NW_004517274.1	Scaffold2287	64	CC	GG	1940517961
SNP_P1_247272_93	NW_004517274.1	Scaffold2287	93	AA	CC	1940517963
SNP_P1_247273_123	NW_004517274.1	Scaffold2287	123	GG	TT	1940517965
SNP_P1_247274_231	NW_004517274.1	Scaffold2287	231	CC	GG	1940517967
SNP_P1_247275_326	NW_004517274.1	Scaffold2287	326	AA	GG	1940517969
SNP_P1_247276_399	NW_004517274.1	Scaffold2287	399	GG	CC	1940517972
SNP_P1_247278_506	NW_004517274.1	Scaffold2287	506	GG	AA	1940517974

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247280_591	NW_004517274.1	Scaffold2287	591	TT	CC	1940517978
SNP_P1_247281_630	NW_004517274.1	Scaffold2287	630	TT	GG	1940517980
SNP_P1_247282_659	NW_004517274.1	Scaffold2287	659	GG	AA	1940517982
SNP_P1_247283_675	NW_004517274.1	Scaffold2287	675	TT	GG	1940517984
SNP_P1_247284_789	NW_004517274.1	Scaffold2287	789	GG	AA	1940517987
SNP_P1_247285_797	NW_004517274.1	Scaffold2287	797	GG	AA	1940517989
SNP_P1_247286_885	NW_004517274.1	Scaffold2287	885	CC	TT	1940517991
SNP_P1_247287_1006	NW_004517274.1	Scaffold2287	1006	TT	AA	1940517993
SNP_P1_247288_1086	NW_004517274.1	Scaffold2287	1086	AA	TT	1940517995
SNP_P1_247289_1101	NW_004517274.1	Scaffold2287	1101	CC	TT	1940517997
SNP_P1_247290_1125	NW_004517274.1	Scaffold2287	1125	AA	GG	1940517999
SNP_P1_247291_745	NW_004517275.1	Scaffold2289	745	TT	AA	1940518001
SNP_P1_247292_2912	NW_004517275.1	Scaffold2289	2912	AA	CC	1940518004
SNP_P1_247293_3278	NW_004517275.1	Scaffold2289	3278	TT	AA	1940518006
SNP_P1_247294_3580	NW_004517275.1	Scaffold2289	3580	AA	GG	1940518008
SNP_P1_247295_7706	NW_004517275.1	Scaffold2289	7706	AA	GG	1940518010
SNP_P1_247296_7711	NW_004517275.1	Scaffold2289	7711	AA	TT	1940518012
SNP_P1_247297_9827	NW_004517275.1	Scaffold2289	9827	AA	GG	1940518014
SNP_P1_247298_10640	NW_004517275.1	Scaffold2289	10640	GG	TT	1940518016
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SNP_P1_247302_12320	NW_004517275.1	Scaffold2289	12320	GG	AA	1940518025
SNP_P1_247303_12701	NW_004517275.1	Scaffold2289	12701	GG	CC	1940518027
SNP_P1_247304_12817	NW_004517275.1	Scaffold2289	12817	GG	AA	1940518029
SNP_P1_247306_13134	NW_004517275.1	Scaffold2289	13134	AA	GG	1940518031
SNP_P1_247307_14301	NW_004517275.1	Scaffold2289	14301	TT	GG	1940518033
SNP_P1_247308_15073	NW_004517275.1	Scaffold2289	15073	AA	GG	1940518035
SNP_P1_247309_15352	NW_004517275.1	Scaffold2289	15352	GG	TT	1940518038
SNP_P1_247310_15381	NW_004517275.1	Scaffold2289	15381	AA	GG	1940518040
SNP_P1_247311_15485	NW_004517275.1	Scaffold2289	15485	AA	TT	1940518042
SNP_P1_247312_15611	NW_004517275.1	Scaffold2289	15611	AA	GG	1940518044
SNP_P1_247313_17153	NW_004517275.1	Scaffold2289	17153	GG	AA	1940518046
SNP_P1_247314_6680	NW_004517276.1	Scaffold2290	6680	TT	GG	1940518048
SNP_P1_247315_7062	NW_004517276.1	Scaffold2290	7062	AA	CC	1940518050
SNP_P1_247316_16819	NW_004517276.1	Scaffold2290	16819	CC	TT	1940518052
SNP_P1_247317_1979	NW_004517277.1	Scaffold2291	1979	AA	GG	1940518055
SNP_P1_247319_2047	NW_004517277.1	Scaffold2291	2047	AA	GG	1940518057
SNP_P1_247320_2056	NW_004517277.1	Scaffold2291	2056	TT	AA	1940518059
SNP_P1_247321_166	NW_004517278.1	Scaffold2292	166	GG	CC	1940518061
SNP_P1_247322_171	NW_004517278.1	Scaffold2292	171	GG	AA	1940518063

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_247323_179	NW_004517278.1	Scaffold2292	179	TT	AA	1940518065
SNP_P1_247324_206	NW_004517278.1	Scaffold2292	206	TT	AA	1940518067
SNP_P1_247325_373	NW_004517278.1	Scaffold2292	373	TT	CC	1940518069
SNP_P1_247326_9893	NW_004517281.1	Scaffold2297	9893	TT	AA	1940518072
SNP_P1_247327_23668	NW_004517281.1	Scaffold2297	23668	AA	CC	1940518074
SNP_P1_247328_391	NW_004517284.1	Scaffold2300	391	TT	CC	1940518076
SNP_P1_247330_1328	NW_004517285.1	Scaffold2301	1328	TT	CC	1940518078
SNP_P1_247331_1329	NW_004517285.1	Scaffold2301	1329	CC	TT	1940518080
SNP_P1_247333_1628	NW_004517285.1	Scaffold2301	1628	AA	GG	1940518082
SNP_P1_247334_1754	NW_004517285.1	Scaffold2301	1754	TT	GG	1940518084
SNP_P1_247335_1765	NW_004517285.1	Scaffold2301	1765	TT	CC	1940518086
SNP_P1_247336_1788	NW_004517285.1	Scaffold2301	1788	CC	GG	1940518089
SNP_P1_247337_1800	NW_004517285.1	Scaffold2301	1800	CC	TT	1940518091
SNP_P1_247338_2072	NW_004517285.1	Scaffold2301	2072	CC	TT	1940518093
SNP_P1_247339_2298	NW_004517285.1	Scaffold2301	2298	AA	GG	1940518095
SNP_P1_247340_2316	NW_004517285.1	Scaffold2301	2316	AA	GG	1940518097
SNP_P1_247341_2400	NW_004517285.1	Scaffold2301	2400	GG	CC	1940518099
SNP_P1_247342_2422	NW_004517285.1	Scaffold2301	2422	CC	GG	1940518101
SNP_P1_247343_2450	NW_004517285.1	Scaffold2301	2450	CC	TT	1940518103
SNP_P1_247344_2457	NW_004517285.1	Scaffold2301	2457	AA	GG	1940518106
SNP_P1_247345_2806	NW_004517285.1	Scaffold2301	2806	AA	TT	1940518108
SNP_P1_247346_3306	NW_004517285.1	Scaffold2301	3306	AA	TT	1940518110
SNP_P1_247348_3350	NW_004517285.1	Scaffold2301	3350	TT	CC	1940518112
SNP_P1_247349_3509	NW_004517285.1	Scaffold2301	3509	TT	CC	1940518114
SNP_P1_247350_3577	NW_004517285.1	Scaffold2301	3577	TT	AA	1940518116
SNP_P1_247351_6019	NW_004517285.1	Scaffold2301	6019	GG	TT	1940518118
SNP_P1_247352_6055	NW_004517285.1	Scaffold2301	6055	CC	GG	1940518120
SNP_P1_247353_6062	NW_004517285.1	Scaffold2301	6062	TT	CC	1940518123
SNP_P1_247354_6124	NW_004517285.1	Scaffold2301	6124	TT	AA	1940518125
SNP_P1_247355_6258	NW_004517285.1	Scaffold2301	6258	GG	TT	1940518127
SNP_P1_247357_7074	NW_004517285.1	Scaffold2301	7074	TT	CC	1940518129
SNP_P1_247358_7927	NW_004517285.1	Scaffold2301	7927	TT	CC	1940518131
SNP_P1_247359_8048	NW_004517285.1	Scaffold2301	8048	TT	CC	1940518133
SNP_P1_247360_8087	NW_004517285.1	Scaffold2301	8087	AA	GG	1940518135
SNP_P1_247361_8102	NW_004517285.1	Scaffold2301	8102	TT	CC	1940518137
SNP_P1_247362_8120	NW_004517285.1	Scaffold2301	8120	CC	TT	1940518140
SNP_P1_247363_8131	NW_004517285.1	Scaffold2301	8131	AA	GG	1940518142
SNP_P1_247364_8252	NW_004517285.1	Scaffold2301	8252	TT	CC	1940518144
SNP_P1_247365_8287	NW_004517285.1	Scaffold2301	8287	TT	CC	1940518146
SNP_P1_247366_8304	NW_004517285.1	Scaffold2301	8304	CC	GG	1940518148
SNP_P1_247367_8330	NW_004517285.1	Scaffold2301	8330	GG	TT	1940518150
SNP_P1_247368_8357	NW_004517285.1	Scaffold2301	8357	TT	CC	1940518152

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247370_8416	NW_004517285.1	Scaffold2301	8416	CC	GG	1940518157
SNP_P1_247371_8429	NW_004517285.1	Scaffold2301	8429	CC	AA	1940518159
SNP_P1_247372_8495	NW_004517285.1	Scaffold2301	8495	AA	GG	1940518161
SNP_P1_247373_10651	NW_004517285.1	Scaffold2301	10651	GG	CC	1940518163
SNP_P1_247375_13605	NW_004517285.1	Scaffold2301	13605	AA	GG	1940518165
SNP_P1_247376_18241	NW_004517285.1	Scaffold2301	18241	CC	TT	1940518167
SNP_P1_247377_18265	NW_004517285.1	Scaffold2301	18265	CC	TT	1940518169
SNP_P1_247378_18330	NW_004517285.1	Scaffold2301	18330	AA	TT	1940518171
SNP_P1_247379_18491	NW_004517285.1	Scaffold2301	18491	TT	GG	1940518174
SNP_P1_247380_18515	NW_004517285.1	Scaffold2301	18515	TT	GG	1940518176
SNP_P1_247381_18525	NW_004517285.1	Scaffold2301	18525	GG	AA	1940518178
SNP_P1_247382_18552	NW_004517285.1	Scaffold2301	18552	TT	CC	1940518180
SNP_P1_247383_18609	NW_004517285.1	Scaffold2301	18609	AA	GG	1940518182
SNP_P1_247384_18611	NW_004517285.1	Scaffold2301	18611	GG	CC	1940518184
SNP_P1_247385_18663	NW_004517285.1	Scaffold2301	18663	GG	AA	1940518186
SNP_P1_247386_18687	NW_004517285.1	Scaffold2301	18687	AA	GG	1940518188
SNP_P1_247387_18693	NW_004517285.1	Scaffold2301	18693	CC	TT	1940518191
SNP_P1_247388_18711	NW_004517285.1	Scaffold2301	18711	TT	AA	1940518193
SNP_P1_247389_18732	NW_004517285.1	Scaffold2301	18732	TT	AA	1940518195
SNP_P1_247390_21435	NW_004517285.1	Scaffold2301	21435	AA	CC	1940518197
SNP_P1_247391_21440	NW_004517285.1	Scaffold2301	21440	CC	AA	1940518199
SNP_P1_247392_21445	NW_004517285.1	Scaffold2301	21445	TT	CC	1940518201
SNP_P1_247393_22439	NW_004517285.1	Scaffold2301	22439	AA	TT	1940518203
SNP_P1_247394_22500	NW_004517285.1	Scaffold2301	22500	GG	TT	1940518206
SNP_P1_247395_22522	NW_004517285.1	Scaffold2301	22522	CC	GG	1940518208
SNP_P1_247396_22532	NW_004517285.1	Scaffold2301	22532	TT	AA	1940518210
SNP_P1_247397_22613	NW_004517285.1	Scaffold2301	22613	AA	CC	1940518212
SNP_P1_247398_22670	NW_004517285.1	Scaffold2301	22670	CC	TT	1940518214
SNP_P1_247399_22715	NW_004517285.1	Scaffold2301	22715	TT	GG	1940518216
SNP_P1_247401_22891	NW_004517285.1	Scaffold2301	22891	CC	TT	1940518218
SNP_P1_247402_22998	NW_004517285.1	Scaffold2301	22998	AA	GG	1940518220
SNP_P1_247403_23016	NW_004517285.1	Scaffold2301	23016	AA	GG	1940518223
SNP_P1_247404_23021	NW_004517285.1	Scaffold2301	23021	CC	TT	1940518225
SNP_P1_247405_23022	NW_004517285.1	Scaffold2301	23022	AA	GG	1940518227
SNP_P1_247406_23236	NW_004517285.1	Scaffold2301	23236	GG	TT	1940518229
SNP_P1_247407_29829	NW_004517285.1	Scaffold2301	29829	TT	CC	1940518231
SNP_P1_247408_29842	NW_004517285.1	Scaffold2301	29842	GG	AA	1940518233
SNP_P1_247409_29912	NW_004517285.1	Scaffold2301	29912	TT	GG	1940518235
SNP_P1_247410_29920	NW_004517285.1	Scaffold2301	29920	AA	CC	1940518237
SNP_P1_247411_29930	NW_004517285.1	Scaffold2301	29930	TT	AA	1940518240
SNP_P1_247412_30004	NW_004517285.1	Scaffold2301	30004	GG	AA	1940518242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247414_30085	NW_004517285.1	Scaffold2301	30085	TT	GG	1940518246
SNP_P1_247416_30310	NW_004517285.1	Scaffold2301	30310	GG	AA	1940518248
SNP_P1_247417_30333	NW_004517285.1	Scaffold2301	30333	GG	CC	1940518250
SNP_P1_247418_30344	NW_004517285.1	Scaffold2301	30344	AA	GG	1940518252
SNP_P1_247419_30480	NW_004517285.1	Scaffold2301	30480	CC	AA	1940518255
SNP_P1_247420_30492	NW_004517285.1	Scaffold2301	30492	GG	CC	1940518257
SNP_P1_247421_31693	NW_004517285.1	Scaffold2301	31693	AA	CC	1940518259
SNP_P1_247422_31879	NW_004517285.1	Scaffold2301	31879	GG	AA	1940518261
SNP_P1_247423_32024	NW_004517285.1	Scaffold2301	32024	GG	AA	1940518263
SNP_P1_247424_32044	NW_004517285.1	Scaffold2301	32044	GG	AA	1940518265
SNP_P1_247425_32049	NW_004517285.1	Scaffold2301	32049	GG	AA	1940518267
SNP_P1_247426_32162	NW_004517285.1	Scaffold2301	32162	CC	TT	1940518269
SNP_P1_247427_32179	NW_004517285.1	Scaffold2301	32179	CC	TT	1940518272
SNP_P1_247428_32192	NW_004517285.1	Scaffold2301	32192	AA	GG	1940518274
SNP_P1_247429_32231	NW_004517285.1	Scaffold2301	32231	TT	CC	1940518276
SNP_P1_247430_32237	NW_004517285.1	Scaffold2301	32237	TT	GG	1940518278
SNP_P1_247431_32243	NW_004517285.1	Scaffold2301	32243	CC	TT	1940518280
SNP_P1_247432_32309	NW_004517285.1	Scaffold2301	32309	TT	CC	1940518282
SNP_P1_247433_32456	NW_004517285.1	Scaffold2301	32456	CC	TT	1940518284
SNP_P1_247434_32533	NW_004517285.1	Scaffold2301	32533	GG	AA	1940518287
SNP_P1_247435_32682	NW_004517285.1	Scaffold2301	32682	GG	CC	1940518289
SNP_P1_247436_32687	NW_004517285.1	Scaffold2301	32687	GG	TT	1940518291
SNP_P1_247437_32710	NW_004517285.1	Scaffold2301	32710	AA	GG	1940518293
SNP_P1_247438_34638	NW_004517285.1	Scaffold2301	34638	AA	GG	1940518295
SNP_P1_247439_35155	NW_004517285.1	Scaffold2301	35155	GG	AA	1940518297
SNP_P1_247440_35237	NW_004517285.1	Scaffold2301	35237	AA	GG	1940518299
SNP_P1_247441_35264	NW_004517285.1	Scaffold2301	35264	AA	GG	1940518301
SNP_P1_247442_35320	NW_004517285.1	Scaffold2301	35320	AA	GG	1940518304
SNP_P1_247443_35332	NW_004517285.1	Scaffold2301	35332	AA	GG	1940518306
SNP_P1_247444_35542	NW_004517285.1	Scaffold2301	35542	TT	AA	1940518308
SNP_P1_247445_35551	NW_004517285.1	Scaffold2301	35551	CC	TT	1940518310
SNP_P1_247446_35634	NW_004517285.1	Scaffold2301	35634	AA	TT	1940518312
SNP_P1_247447_35650	NW_004517285.1	Scaffold2301	35650	CC	TT	1940518314
SNP_P1_247448_35762	NW_004517285.1	Scaffold2301	35762	AA	CC	1940518317
SNP_P1_247449_35770	NW_004517285.1	Scaffold2301	35770	CC	TT	1940518319
SNP_P1_247450_35775	NW_004517285.1	Scaffold2301	35775	CC	TT	1940518321
SNP_P1_247451_35850	NW_004517285.1	Scaffold2301	35850	GG	TT	1940518323
SNP_P1_247452_36028	NW_004517285.1	Scaffold2301	36028	TT	CC	1940518325
SNP_P1_247453_36069	NW_004517285.1	Scaffold2301	36069	GG	CC	1940518327
SNP_P1_247454_36073	NW_004517285.1	Scaffold2301	36073	TT	GG	1940518329
SNP_P1_247455_36152	NW_004517285.1	Scaffold2301	36152	CC	GG	1940518331

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247458_40831	NW_004517285.1	Scaffold2301	40831	AA	GG	1940518338
SNP_P1_247459_40843	NW_004517285.1	Scaffold2301	40843	TT	CC	1940518340
SNP_P1_247460_40858	NW_004517285.1	Scaffold2301	40858	GG	AA	1940518342
SNP_P1_247461_43090	NW_004517285.1	Scaffold2301	43090	CC	AA	1940518344
SNP_P1_247462_43171	NW_004517285.1	Scaffold2301	43171	AA	TT	1940518346
SNP_P1_247463_43195	NW_004517285.1	Scaffold2301	43195	CC	AA	1940518349
SNP_P1_247464_43472	NW_004517285.1	Scaffold2301	43472	AA	GG	1940518351
SNP_P1_247466_43509	NW_004517285.1	Scaffold2301	43509	TT	GG	1940518353
SNP_P1_247467_43539	NW_004517285.1	Scaffold2301	43539	TT	CC	1940518355
SNP_P1_247468_53367	NW_004517285.1	Scaffold2301	53367	AA	GG	1940518357
SNP_P1_247469_53627	NW_004517285.1	Scaffold2301	53627	GG	AA	1940518359
SNP_P1_247470_53654	NW_004517285.1	Scaffold2301	53654	TT	AA	1940518361
SNP_P1_247471_53663	NW_004517285.1	Scaffold2301	53663	AA	GG	1940518364
SNP_P1_247472_53783	NW_004517285.1	Scaffold2301	53783	GG	AA	1940518366
SNP_P1_247474_53964	NW_004517285.1	Scaffold2301	53964	GG	AA	1940518368
SNP_P1_247475_53985	NW_004517285.1	Scaffold2301	53985	GG	TT	1940518370
SNP_P1_247476_54032	NW_004517285.1	Scaffold2301	54032	AA	CC	1940518372
SNP_P1_247477_54251	NW_004517285.1	Scaffold2301	54251	CC	GG	1940518374
SNP_P1_247478_54289	NW_004517285.1	Scaffold2301	54289	AA	CC	1940518376
SNP_P1_247480_54397	NW_004517285.1	Scaffold2301	54397	AA	CC	1940518379
SNP_P1_247481_54458	NW_004517285.1	Scaffold2301	54458	TT	GG	1940518381
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SNP_P1_247487_55992	NW_004517285.1	Scaffold2301	55992	CC	GG	1940518391
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SNP_P1_247491_57427	NW_004517285.1	Scaffold2301	57427	AA	GG	1940518396
SNP_P1_247492_57484	NW_004517285.1	Scaffold2301	57484	CC	TT	1940518398
SNP_P1_247493_57514	NW_004517285.1	Scaffold2301	57514	AA	TT	1940518400
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SNP_P1_247498_60897	NW_004517285.1	Scaffold2301	60897	TT	CC	1940518408
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SNP_P1_247501_61365	NW_004517285.1	Scaffold2301	61365	TT	CC	1940518415
SNP_P1_247502_61420	NW_004517285.1	Scaffold2301	61420	TT	CC	1940518417
SNP_P1_247503_61465	NW_004517285.1	Scaffold2301	61465	TT	AA	1940518419
SNP_P1_247504_61535	NW_004517285.1	Scaffold2301	61535	GG	AA	1940518421

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247507_61660	NW_004517285.1	Scaffold2301	61660	TT	CC	1940518428
SNP_P1_247508_61832	NW_004517285.1	Scaffold2301	61832	TT	CC	1940518430
SNP_P1_247509_64440	NW_004517285.1	Scaffold2301	64440	GG	AA	1940518432
SNP_P1_247511_64809	NW_004517285.1	Scaffold2301	64809	GG	AA	1940518434
SNP_P1_247512_64822	NW_004517285.1	Scaffold2301	64822	GG	TT	1940518436
SNP_P1_247513_64946	NW_004517285.1	Scaffold2301	64946	TT	CC	1940518438
SNP_P1_247514_65036	NW_004517285.1	Scaffold2301	65036	TT	GG	1940518440
SNP_P1_247515_65163	NW_004517285.1	Scaffold2301	65163	AA	TT	1940518443
SNP_P1_247516_65232	NW_004517285.1	Scaffold2301	65232	TT	GG	1940518445
SNP_P1_247517_65266	NW_004517285.1	Scaffold2301	65266	AA	GG	1940518447
SNP_P1_247518_65354	NW_004517285.1	Scaffold2301	65354	TT	AA	1940518449
SNP_P1_247519_65427	NW_004517285.1	Scaffold2301	65427	AA	TT	1940518451
SNP_P1_247520_65436	NW_004517285.1	Scaffold2301	65436	AA	TT	1940518453
SNP_P1_247521_69173	NW_004517285.1	Scaffold2301	69173	AA	TT	1940518455
SNP_P1_247522_843	NW_004517287.1	Scaffold2303	843	AA	TT	1940518457
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SNP_P1_247524_6631	NW_004517287.1	Scaffold2303	6631	TT	CC	1940518462
SNP_P1_247525_6902	NW_004517287.1	Scaffold2303	6902	AA	CC	1940518464
SNP_P1_247526_6907	NW_004517287.1	Scaffold2303	6907	AA	GG	1940518466
SNP_P1_247527_7211	NW_004517287.1	Scaffold2303	7211	GG	AA	1940518468
SNP_P1_247528_7277	NW_004517287.1	Scaffold2303	7277	AA	CC	1940518470
SNP_P1_247529_494	NW_004517288.1	Scaffold2304	494	GG	CC	1940518472
SNP_P1_247530_794	NW_004517288.1	Scaffold2304	794	AA	GG	1940518475
SNP_P1_247531_3429	NW_004517292.1	Scaffold2309	3429	CC	AA	1940518477
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SNP_P1_247534_3583	NW_004517292.1	Scaffold2309	3583	AA	GG	1940518483
SNP_P1_247535_4149	NW_004517292.1	Scaffold2309	4149	GG	CC	1940518485
SNP_P1_247536_483	NW_004517293.1	Scaffold2311	483	AA	GG	1940518487
SNP_P1_247537_514	NW_004517293.1	Scaffold2311	514	AA	GG	1940518489
SNP_P1_247538_15154	NW_004517293.1	Scaffold2311	15154	AA	GG	1940518492
SNP_P1_247539_33926	NW_004517293.1	Scaffold2311	33926	TT	CC	1940518494
SNP_P1_247540_46577	NW_004517293.1	Scaffold2311	46577	AA	TT	1940518496
SNP_P1_247541_46597	NW_004517293.1	Scaffold2311	46597	TT	CC	1940518498
SNP_P1_247542_46922	NW_004517293.1	Scaffold2311	46922	CC	AA	1940518500
SNP_P1_247543_46940	NW_004517293.1	Scaffold2311	46940	CC	TT	1940518502
SNP_P1_247544_90203	NW_004517293.1	Scaffold2311	90203	TT	GG	1940518504
SNP_P1_247545_95296	NW_004517293.1	Scaffold2311	95296	TT	CC	1940518506
SNP_P1_247546_95317	NW_004517293.1	Scaffold2311	95317	AA	CC	1940518509
SNP_P1_247547_95332	NW_004517293.1	Scaffold2311	95332	CC	TT	1940518511

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247549_16491	NW_004517294.1	Scaffold2312	16491	CC	TT	1940518515
SNP_P1_247551_636	NW_004517297.1	Scaffold2319	636	AA	TT	1940518517
SNP_P1_247552_648	NW_004517297.1	Scaffold2319	648	AA	GG	1940518519
SNP_P1_247553_677	NW_004517297.1	Scaffold2319	677	AA	TT	1940518521
SNP_P1_247554_953	NW_004517297.1	Scaffold2319	953	CC	TT	1940518524
SNP_P1_247555_10056	NW_004517298.1	Scaffold2320	10056	TT	CC	1940518526
SNP_P1_247556_14784	NW_004517298.1	Scaffold2320	14784	AA	GG	1940518528
SNP_P1_247557_14808	NW_004517298.1	Scaffold2320	14808	AA	TT	1940518530
SNP_P1_247558_565	NW_004517300.1	Scaffold2322	565	AA	GG	1940518532
SNP_P1_247559_1666	NW_004517300.1	Scaffold2322	1666	AA	TT	1940518534
SNP_P1_247560_1978	NW_004517300.1	Scaffold2322	1978	AA	GG	1940518536
SNP_P1_247562_4244	NW_004517300.1	Scaffold2322	4244	CC	AA	1940518539
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SNP_P1_247564_6308	NW_004517300.1	Scaffold2322	6308	GG	TT	1940518543
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SNP_P1_247566_6330	NW_004517300.1	Scaffold2322	6330	TT	CC	1940518547
SNP_P1_247567_6369	NW_004517300.1	Scaffold2322	6369	TT	AA	1940518549
SNP_P1_247568_6488	NW_004517300.1	Scaffold2322	6488	GG	AA	1940518551
SNP_P1_247569_6946	NW_004517300.1	Scaffold2322	6946	AA	GG	1940518553
SNP_P1_247570_7722	NW_004517300.1	Scaffold2322	7722	CC	GG	1940518556
SNP_P1_247571_8133	NW_004517300.1	Scaffold2322	8133	GG	TT	1940518558
SNP_P1_247572_8972	NW_004517300.1	Scaffold2322	8972	AA	TT	1940518560
SNP_P1_247573_2317	NW_004517302.1	Scaffold2325	2317	GG	AA	1940518562
SNP_P1_247574_2606	NW_004517302.1	Scaffold2325	2606	AA	GG	1940518564
SNP_P1_247575_2642	NW_004517302.1	Scaffold2325	2642	GG	AA	1940518566
SNP_P1_247576_2649	NW_004517302.1	Scaffold2325	2649	AA	TT	1940518568
SNP_P1_247577_2690	NW_004517302.1	Scaffold2325	2690	AA	TT	1940518570
SNP_P1_247578_2694	NW_004517302.1	Scaffold2325	2694	AA	TT	1940518573
SNP_P1_247579_2722	NW_004517302.1	Scaffold2325	2722	AA	GG	1940518575
SNP_P1_247580_2741	NW_004517302.1	Scaffold2325	2741	CC	TT	1940518577
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SNP_P1_247582_23247	NW_004517302.1	Scaffold2325	23247	GG	CC	1940518581
SNP_P1_247583_30721	NW_004517302.1	Scaffold2325	30721	TT	CC	1940518583
SNP_P1_247584_32576	NW_004517302.1	Scaffold2325	32576	GG	TT	1940518585
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SNP_P1_247586_49103	NW_004517302.1	Scaffold2325	49103	TT	GG	1940518590
SNP_P1_247587_49947	NW_004517302.1	Scaffold2325	49947	AA	GG	1940518592
SNP_P1_247589_51337	NW_004517302.1	Scaffold2325	51337	GG	AA	1940518594
SNP_P1_247590_51506	NW_004517302.1	Scaffold2325	51506	CC	TT	1940518596
SNP_P1_247591_51562	NW_004517302.1	Scaffold2325	51562	TT	CC	1940518598
SNP_P1_247592_51567	NW_004517302.1	Scaffold2325	51567	AA	CC	1940518600

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247594_51667	NW_004517302.1	Scaffold2325	51667	AA	GG	1940518605
SNP_P1_247595_51723	NW_004517302.1	Scaffold2325	51723	AA	GG	1940518607
SNP_P1_247596_51867	NW_004517302.1	Scaffold2325	51867	AA	GG	1940518609
SNP_P1_247597_52091	NW_004517302.1	Scaffold2325	52091	TT	GG	1940518611
SNP_P1_247598_52098	NW_004517302.1	Scaffold2325	52098	AA	GG	1940518613
SNP_P1_247599_53024	NW_004517302.1	Scaffold2325	53024	TT	CC	1940518615
SNP_P1_247600_58180	NW_004517302.1	Scaffold2325	58180	AA	TT	1940518617
SNP_P1_247601_58199	NW_004517302.1	Scaffold2325	58199	GG	TT	1940518620
SNP_P1_247602_58431	NW_004517302.1	Scaffold2325	58431	TT	AA	1940518622
SNP_P1_247604_58557	NW_004517302.1	Scaffold2325	58557	AA	TT	1940518624
SNP_P1_247605_58791	NW_004517302.1	Scaffold2325	58791	TT	CC	1940518626
SNP_P1_247606_58793	NW_004517302.1	Scaffold2325	58793	GG	CC	1940518628
SNP_P1_247607_58880	NW_004517302.1	Scaffold2325	58880	AA	TT	1940518630
SNP_P1_247608_58908	NW_004517302.1	Scaffold2325	58908	AA	CC	1940518632
SNP_P1_247609_59167	NW_004517302.1	Scaffold2325	59167	TT	CC	1940518635
SNP_P1_247610_59732	NW_004517302.1	Scaffold2325	59732	TT	AA	1940518637
SNP_P1_247611_59987	NW_004517302.1	Scaffold2325	59987	CC	GG	1940518639
SNP_P1_247612_60057	NW_004517302.1	Scaffold2325	60057	CC	TT	1940518641
SNP_P1_247613_60422	NW_004517302.1	Scaffold2325	60422	CC	TT	1940518643
SNP_P1_247614_60508	NW_004517302.1	Scaffold2325	60508	AA	TT	1940518645
SNP_P1_247615_60620	NW_004517302.1	Scaffold2325	60620	GG	AA	1940518647
SNP_P1_247616_60673	NW_004517302.1	Scaffold2325	60673	CC	AA	1940518650
SNP_P1_247617_60788	NW_004517302.1	Scaffold2325	60788	CC	TT	1940518652
SNP_P1_247618_60973	NW_004517302.1	Scaffold2325	60973	TT	AA	1940518654
SNP_P1_247619_62580	NW_004517302.1	Scaffold2325	62580	TT	CC	1940518656
SNP_P1_247620_69657	NW_004517302.1	Scaffold2325	69657	AA	TT	1940518658
SNP_P1_247621_9013	NW_004517303.1	Scaffold2328	9013	TT	AA	1940518660
SNP_P1_247622_9080	NW_004517303.1	Scaffold2328	9080	CC	AA	1940518662
SNP_P1_247623_9084	NW_004517303.1	Scaffold2328	9084	CC	TT	1940518664
SNP_P1_247624_9105	NW_004517303.1	Scaffold2328	9105	TT	CC	1940518667
SNP_P1_247625_13126	NW_004517303.1	Scaffold2328	13126	GG	AA	1940518669
SNP_P1_247626_13128	NW_004517303.1	Scaffold2328	13128	AA	TT	1940518671
SNP_P1_247627_13146	NW_004517303.1	Scaffold2328	13146	TT	AA	1940518673
SNP_P1_247628_13392	NW_004517303.1	Scaffold2328	13392	TT	CC	1940518675
SNP_P1_247629_13432	NW_004517303.1	Scaffold2328	13432	GG	TT	1940518677
SNP_P1_247630_13454	NW_004517303.1	Scaffold2328	13454	TT	CC	1940518679
SNP_P1_247631_13458	NW_004517303.1	Scaffold2328	13458	AA	CC	1940518681
SNP_P1_247632_13459	NW_004517303.1	Scaffold2328	13459	TT	CC	1940518684
SNP_P1_247633_13503	NW_004517303.1	Scaffold2328	13503	CC	GG	1940518686
SNP_P1_247634_13573	NW_004517303.1	Scaffold2328	13573	CC	TT	1940518688
SNP_P1_247636_13760	NW_004517303.1	Scaffold2328	13760	GG	AA	1940518690

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247638_13939	NW_004517303.1	Scaffold2328	13939	TT	GG	1940518694
SNP_P1_247639_13956	NW_004517303.1	Scaffold2328	13956	TT	CC	1940518696
SNP_P1_247640_14040	NW_004517303.1	Scaffold2328	14040	AA	TT	1940518699
SNP_P1_247641_44530	NW_004517305.1	Scaffold2330	44530	GG	AA	1940518701
SNP_P1_247642_44839	NW_004517305.1	Scaffold2330	44839	AA	GG	1940518703
SNP_P1_247644_73235	NW_004517305.1	Scaffold2330	73235	GG	AA	1940518705
SNP_P1_247645_94549	NW_004517305.1	Scaffold2330	94549	TT	AA	1940518707
SNP_P1_247646_94907	NW_004517305.1	Scaffold2330	94907	TT	CC	1940518709
SNP_P1_247647_94922	NW_004517305.1	Scaffold2330	94922	AA	TT	1940518711
SNP_P1_247648_94923	NW_004517305.1	Scaffold2330	94923	AA	TT	1940518714
SNP_P1_247649_94925	NW_004517305.1	Scaffold2330	94925	AA	TT	1940518716
SNP_P1_247650_94933	NW_004517305.1	Scaffold2330	94933	TT	AA	1940518718
SNP_P1_247652_95033	NW_004517305.1	Scaffold2330	95033	CC	TT	1940518720
SNP_P1_247653_46	NW_004517306.1	Scaffold2331	46	TT	CC	1940518722
SNP_P1_247654_51	NW_004517306.1	Scaffold2331	51	TT	GG	1940518724
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SNP_P1_247658_110	NW_004517306.1	Scaffold2331	110	GG	CC	1940518733
SNP_P1_247659_117	NW_004517306.1	Scaffold2331	117	GG	CC	1940518735
SNP_P1_247660_138	NW_004517306.1	Scaffold2331	138	GG	AA	1940518737
SNP_P1_247662_306	NW_004517308.1	Scaffold2334	306	GG	AA	1940518739
SNP_P1_247663_568	NW_004517308.1	Scaffold2334	568	TT	CC	1940518741
SNP_P1_247664_573	NW_004517308.1	Scaffold2334	573	CC	GG	1940518743
SNP_P1_247665_584	NW_004517308.1	Scaffold2334	584	AA	GG	1940518746
SNP_P1_247666_627	NW_004517308.1	Scaffold2334	627	AA	TT	1940518748
SNP_P1_247667_659	NW_004517308.1	Scaffold2334	659	AA	TT	1940518750
SNP_P1_247668_693	NW_004517308.1	Scaffold2334	693	TT	GG	1940518752
SNP_P1_247669_844	NW_004517308.1	Scaffold2334	844	TT	CC	1940518754
SNP_P1_247670_64	NW_004517309.1	Scaffold2337	64	GG	TT	1940518756
SNP_P1_247671_122	NW_004517309.1	Scaffold2337	122	AA	GG	1940518758
SNP_P1_247672_1593	NW_004517309.1	Scaffold2337	1593	TT	AA	1940518760
SNP_P1_247673_1594	NW_004517309.1	Scaffold2337	1594	AA	TT	1940518763
SNP_P1_247674_2135	NW_004517309.1	Scaffold2337	2135	AA	TT	1940518765
SNP_P1_247675_745	NW_004517313.1	Scaffold2342	745	CC	TT	1940518767
SNP_P1_247676_981	NW_004517313.1	Scaffold2342	981	CC	TT	1940518769
SNP_P1_247677_1020	NW_004517313.1	Scaffold2342	1020	TT	AA	1940518771
SNP_P1_247678_3456	NW_004517313.1	Scaffold2342	3456	GG	CC	1940518773
SNP_P1_247679_12768	NW_004517313.1	Scaffold2342	12768	AA	TT	1940518775
SNP_P1_247680_17853	NW_004517313.1	Scaffold2342	17853	GG	CC	1940518777
SNP_P1_247681_23175	NW_004517313.1	Scaffold2342	23175	CC	AA	1940518780

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247684_19833	NW_004517314.1	Scaffold2343	19833	AA	GG	1940518784
SNP_P1_247685_20324	NW_004517314.1	Scaffold2343	20324	AA	CC	1940518786
SNP_P1_247686_20382	NW_004517314.1	Scaffold2343	20382	AA	TT	1940518788
SNP_P1_247687_23787	NW_004517314.1	Scaffold2343	23787	GG	TT	1940518790
SNP_P1_247688_23849	NW_004517314.1	Scaffold2343	23849	AA	TT	1940518792
SNP_P1_247689_24057	NW_004517314.1	Scaffold2343	24057	TT	AA	1940518795
SNP_P1_247690_24252	NW_004517314.1	Scaffold2343	24252	TT	CC	1940518797
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SNP_P1_247693_40407	NW_004517314.1	Scaffold2343	40407	TT	GG	1940518803
SNP_P1_247694_45823	NW_004517314.1	Scaffold2343	45823	AA	GG	1940518805
SNP_P1_247695_46010	NW_004517314.1	Scaffold2343	46010	TT	CC	1940518807
SNP_P1_247696_46826	NW_004517314.1	Scaffold2343	46826	TT	CC	1940518810
SNP_P1_247697_46935	NW_004517314.1	Scaffold2343	46935	GG	AA	1940518812
SNP_P1_247698_46954	NW_004517314.1	Scaffold2343	46954	AA	GG	1940518814
SNP_P1_247699_46973	NW_004517314.1	Scaffold2343	46973	TT	CC	1940518816
SNP_P1_247700_948	NW_004517315.1	Scaffold2344	948	TT	AA	1940518818
SNP_P1_247701_949	NW_004517315.1	Scaffold2344	949	GG	TT	1940518820
SNP_P1_247702_1321	NW_004517315.1	Scaffold2344	1321	TT	CC	1940518822
SNP_P1_247703_1338	NW_004517315.1	Scaffold2344	1338	TT	CC	1940518824
SNP_P1_247704_1359	NW_004517315.1	Scaffold2344	1359	TT	AA	1940518827
SNP_P1_247705_1369	NW_004517315.1	Scaffold2344	1369	TT	CC	1940518829
SNP_P1_247706_1464	NW_004517315.1	Scaffold2344	1464	TT	CC	1940518831
SNP_P1_247707_1476	NW_004517315.1	Scaffold2344	1476	TT	CC	1940518833
SNP_P1_247708_1509	NW_004517315.1	Scaffold2344	1509	TT	AA	1940518835
SNP_P1_247709_1521	NW_004517315.1	Scaffold2344	1521	TT	CC	1940518837
SNP_P1_247711_90	NW_004517316.1	Scaffold2345	90	CC	TT	1940518839
SNP_P1_247712_266	NW_004517316.1	Scaffold2345	266	AA	CC	1940518841
SNP_P1_247713_529	NW_004517316.1	Scaffold2345	529	CC	TT	1940518844
SNP_P1_247715_732	NW_004517316.1	Scaffold2345	732	CC	GG	1940518846
SNP_P1_247716_796	NW_004517316.1	Scaffold2345	796	AA	CC	1940518848
SNP_P1_247717_980	NW_004517316.1	Scaffold2345	980	CC	AA	1940518850
SNP_P1_247718_1120	NW_004517316.1	Scaffold2345	1120	TT	AA	1940518852
SNP_P1_247719_1129	NW_004517316.1	Scaffold2345	1129	AA	CC	1940518854
SNP_P1_247720_1333	NW_004517316.1	Scaffold2345	1333	TT	CC	1940518856
SNP_P1_247721_1655	NW_004517316.1	Scaffold2345	1655	CC	TT	1940518859
SNP_P1_247722_1734	NW_004517316.1	Scaffold2345	1734	TT	AA	1940518861
SNP_P1_247723_1967	NW_004517316.1	Scaffold2345	1967	AA	GG	1940518863
SNP_P1_247724_1981	NW_004517316.1	Scaffold2345	1981	TT	GG	1940518865
SNP_P1_247725_2862	NW_004517316.1	Scaffold2345	2862	TT	AA	1940518867
SNP_P1_247726_11231	NW_004517316.1	Scaffold2345	11231	CC	AA	1940518869

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247728_11356	NW_004517316.1	Scaffold2345	11356	CC	TT	1940518874
SNP_P1_247729_11515	NW_004517316.1	Scaffold2345	11515	TT	CC	1940518876
SNP_P1_247730_11594	NW_004517316.1	Scaffold2345	11594	TT	AA	1940518878
SNP_P1_247731_13324	NW_004517316.1	Scaffold2345	13324	AA	CC	1940518880
SNP_P1_247732_13389	NW_004517316.1	Scaffold2345	13389	GG	CC	1940518882
SNP_P1_247733_15751	NW_004517316.1	Scaffold2345	15751	GG	TT	1940518884
SNP_P1_247734_16560	NW_004517316.1	Scaffold2345	16560	TT	AA	1940518886
SNP_P1_247735_17948	NW_004517316.1	Scaffold2345	17948	CC	TT	1940518888
SNP_P1_247736_17999	NW_004517316.1	Scaffold2345	17999	GG	TT	1940518891
SNP_P1_247737_19320	NW_004517316.1	Scaffold2345	19320	GG	CC	1940518893
SNP_P1_247738_20779	NW_004517316.1	Scaffold2345	20779	CC	TT	1940518895
SNP_P1_247739_20895	NW_004517316.1	Scaffold2345	20895	CC	TT	1940518897
SNP_P1_247740_21153	NW_004517316.1	Scaffold2345	21153	CC	TT	1940518899
SNP_P1_247741_21185	NW_004517316.1	Scaffold2345	21185	AA	GG	1940518901
SNP_P1_247742_21288	NW_004517316.1	Scaffold2345	21288	TT	AA	1940518903
SNP_P1_247743_21335	NW_004517316.1	Scaffold2345	21335	CC	AA	1940518906
SNP_P1_247744_21346	NW_004517316.1	Scaffold2345	21346	GG	AA	1940518908
SNP_P1_247746_433	NW_004517317.1	Scaffold2346	433	TT	GG	1940518910
SNP_P1_247747_501	NW_004517317.1	Scaffold2346	501	CC	AA	1940518912
SNP_P1_247748_569	NW_004517317.1	Scaffold2346	569	AA	TT	1940518914
SNP_P1_247749_630	NW_004517317.1	Scaffold2346	630	GG	AA	1940518916
SNP_P1_247750_700	NW_004517317.1	Scaffold2346	700	TT	CC	1940518918
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SNP_P1_247752_870	NW_004517317.1	Scaffold2346	870	CC	AA	1940518923
SNP_P1_247753_873	NW_004517317.1	Scaffold2346	873	CC	TT	1940518925
SNP_P1_247754_898	NW_004517317.1	Scaffold2346	898	TT	AA	1940518927
SNP_P1_247755_917	NW_004517317.1	Scaffold2346	917	AA	GG	1940518929
SNP_P1_247756_952	NW_004517317.1	Scaffold2346	952	AA	TT	1940518931
SNP_P1_247757_972	NW_004517317.1	Scaffold2346	972	CC	TT	1940518933
SNP_P1_247758_974	NW_004517317.1	Scaffold2346	974	AA	GG	1940518935
SNP_P1_247759_989	NW_004517317.1	Scaffold2346	989	CC	AA	1940518938
SNP_P1_247760_1008	NW_004517317.1	Scaffold2346	1008	CC	TT	1940518940
SNP_P1_247761_1036	NW_004517317.1	Scaffold2346	1036	CC	AA	1940518942
SNP_P1_247762_1050	NW_004517317.1	Scaffold2346	1050	GG	AA	1940518944
SNP_P1_247763_1137	NW_004517317.1	Scaffold2346	1137	CC	TT	1940518946
SNP_P1_247764_1245	NW_004517317.1	Scaffold2346	1245	TT	CC	1940518948
SNP_P1_247765_1254	NW_004517317.1	Scaffold2346	1254	CC	TT	1940518950
SNP_P1_247766_1517	NW_004517317.1	Scaffold2346	1517	TT	GG	1940518952
SNP_P1_247767_1524	NW_004517317.1	Scaffold2346	1524	CC	TT	1940518955
SNP_P1_247768_1773	NW_004517317.1	Scaffold2346	1773	CC	TT	1940518957
SNP_P1_247769_3120	NW_004517317.1	Scaffold2346	3120	TT	CC	1940518959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_247770_3398	NW_004517317.1	Scaffold2346	3398	CC	GG	1940518961
SNP_P1_247772_7457	NW_004517317.1	Scaffold2346	7457	TT	CC	1940518963
SNP_P1_247773_7620	NW_004517317.1	Scaffold2346	7620	AA	GG	1940518965
SNP_P1_247774_7627	NW_004517317.1	Scaffold2346	7627	GG	AA	1940518967
SNP_P1_247775_7676	NW_004517317.1	Scaffold2346	7676	CC	AA	1940518970
SNP_P1_247776_7915	NW_004517317.1	Scaffold2346	7915	TT	CC	1940518972
SNP_P1_247777_7921	NW_004517317.1	Scaffold2346	7921	GG	AA	1940518974
SNP_P1_247778_7936	NW_004517317.1	Scaffold2346	7936	GG	TT	1940518976
SNP_P1_247779_8356	NW_004517317.1	Scaffold2346	8356	GG	AA	1940518978
SNP_P1_247780_26329	NW_004517317.1	Scaffold2346	26329	TT	CC	1940518980
SNP_P1_247781_26336	NW_004517317.1	Scaffold2346	26336	TT	GG	1940518982
SNP_P1_247782_26555	NW_004517317.1	Scaffold2346	26555	GG	AA	1940518985
SNP_P1_247783_26591	NW_004517317.1	Scaffold2346	26591	AA	CC	1940518987
SNP_P1_247784_26786	NW_004517317.1	Scaffold2346	26786	CC	TT	1940518989
SNP_P1_247785_26803	NW_004517317.1	Scaffold2346	26803	AA	GG	1940518991
SNP_P1_247786_26839	NW_004517317.1	Scaffold2346	26839	TT	GG	1940518993
SNP_P1_247787_27704	NW_004517317.1	Scaffold2346	27704	AA	GG	1940518995
SNP_P1_247788_27899	NW_004517317.1	Scaffold2346	27899	GG	TT	1940518997
SNP_P1_247789_27952	NW_004517317.1	Scaffold2346	27952	TT	GG	1940518999
SNP_P1_247790_28024	NW_004517317.1	Scaffold2346	28024	GG	AA	1940519002
SNP_P1_247791_28032	NW_004517317.1	Scaffold2346	28032	AA	GG	1940519004
SNP_P1_247792_28056	NW_004517317.1	Scaffold2346	28056	TT	AA	1940519006
SNP_P1_247793_28067	NW_004517317.1	Scaffold2346	28067	CC	TT	1940519008
SNP_P1_247794_28152	NW_004517317.1	Scaffold2346	28152	CC	TT	1940519010
SNP_P1_247795_28160	NW_004517317.1	Scaffold2346	28160	CC	TT	1940519012
SNP_P1_247796_28282	NW_004517317.1	Scaffold2346	28282	AA	TT	1940519014
SNP_P1_247797_28354	NW_004517317.1	Scaffold2346	28354	TT	CC	1940519017
SNP_P1_247798_28378	NW_004517317.1	Scaffold2346	28378	TT	GG	1940519019
SNP_P1_247800_28426	NW_004517317.1	Scaffold2346	28426	CC	GG	1940519021
SNP_P1_247801_28564	NW_004517317.1	Scaffold2346	28564	GG	AA	1940519023
SNP_P1_247802_28574	NW_004517317.1	Scaffold2346	28574	AA	GG	1940519025
SNP_P1_247803_28656	NW_004517317.1	Scaffold2346	28656	CC	GG	1940519027
SNP_P1_247804_30471	NW_004517317.1	Scaffold2346	30471	CC	TT	1940519029
SNP_P1_247805_30542	NW_004517317.1	Scaffold2346	30542	GG	AA	1940519032
SNP_P1_247806_30624	NW_004517317.1	Scaffold2346	30624	CC	TT	1940519034
SNP_P1_247807_30637	NW_004517317.1	Scaffold2346	30637	TT	AA	1940519036
SNP_P1_247808_30749	NW_004517317.1	Scaffold2346	30749	CC	GG	1940519038
SNP_P1_247809_30788	NW_004517317.1	Scaffold2346	30788	TT	GG	1940519040
SNP_P1_247810_30811	NW_004517317.1	Scaffold2346	30811	GG	TT	1940519042
SNP_P1_247811_30815	NW_004517317.1	Scaffold2346	30815	TT	CC	1940519044
SNP_P1_247812_30816	NW_004517317.1	Scaffold2346	30816	CC	TT	1940519046
SNP_P1_247813_30834	NW_004517317.1	Scaffold2346	30834	CC	TT	1940519049

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247815_30921	NW_004517317.1	Scaffold2346	30921	GG	AA	1940519053
SNP_P1_247816_31038	NW_004517317.1	Scaffold2346	31038	AA	TT	1940519055
SNP_P1_247817_31110	NW_004517317.1	Scaffold2346	31110	GG	AA	1940519057
SNP_P1_247818_31142	NW_004517317.1	Scaffold2346	31142	GG	AA	1940519059
SNP_P1_247819_31166	NW_004517317.1	Scaffold2346	31166	TT	CC	1940519061
SNP_P1_247820_31206	NW_004517317.1	Scaffold2346	31206	CC	TT	1940519064
SNP_P1_247821_31236	NW_004517317.1	Scaffold2346	31236	TT	GG	1940519066
SNP_P1_247822_31281	NW_004517317.1	Scaffold2346	31281	AA	GG	1940519068
SNP_P1_247823_31286	NW_004517317.1	Scaffold2346	31286	AA	GG	1940519070
SNP_P1_247824_31346	NW_004517317.1	Scaffold2346	31346	CC	AA	1940519072
SNP_P1_247825_31369	NW_004517317.1	Scaffold2346	31369	AA	GG	1940519074
SNP_P1_247826_31411	NW_004517317.1	Scaffold2346	31411	GG	AA	1940519076
SNP_P1_247827_31610	NW_004517317.1	Scaffold2346	31610	GG	AA	1940519078
SNP_P1_247828_31686	NW_004517317.1	Scaffold2346	31686	TT	GG	1940519081
SNP_P1_247829_31792	NW_004517317.1	Scaffold2346	31792	CC	AA	1940519083
SNP_P1_247830_32239	NW_004517317.1	Scaffold2346	32239	TT	CC	1940519085
SNP_P1_247831_239	NW_004517319.1	Scaffold2348	239	TT	GG	1940519087
SNP_P1_247832_636	NW_004517319.1	Scaffold2348	636	TT	CC	1940519089
SNP_P1_247833_1088	NW_004517319.1	Scaffold2348	1088	CC	TT	1940519091
SNP_P1_247834_1587	NW_004517319.1	Scaffold2348	1587	TT	AA	1940519093
SNP_P1_247835_1769	NW_004517319.1	Scaffold2348	1769	AA	TT	1940519096
SNP_P1_247837_1911	NW_004517319.1	Scaffold2348	1911	TT	CC	1940519098
SNP_P1_247838_1975	NW_004517319.1	Scaffold2348	1975	AA	GG	1940519100
SNP_P1_247839_2464	NW_004517319.1	Scaffold2348	2464	GG	AA	1940519102
SNP_P1_247840_2484	NW_004517319.1	Scaffold2348	2484	GG	AA	1940519104
SNP_P1_247841_10033	NW_004517319.1	Scaffold2348	10033	TT	GG	1940519106
SNP_P1_247842_10097	NW_004517319.1	Scaffold2348	10097	TT	CC	1940519108
SNP_P1_247843_10212	NW_004517319.1	Scaffold2348	10212	TT	CC	1940519111
SNP_P1_247844_10398	NW_004517319.1	Scaffold2348	10398	GG	AA	1940519113
SNP_P1_247845_10412	NW_004517319.1	Scaffold2348	10412	CC	TT	1940519115
SNP_P1_247846_10430	NW_004517319.1	Scaffold2348	10430	TT	GG	1940519117
SNP_P1_247847_10486	NW_004517319.1	Scaffold2348	10486	GG	AA	1940519119
SNP_P1_247848_33728	NW_004517319.1	Scaffold2348	33728	AA	GG	1940519121
SNP_P1_247849_43135	NW_004517319.1	Scaffold2348	43135	CC	TT	1940519123
SNP_P1_247850_43413	NW_004517319.1	Scaffold2348	43413	AA	GG	1940519125
SNP_P1_247851_45836	NW_004517319.1	Scaffold2348	45836	AA	GG	1940519128
SNP_P1_247852_45891	NW_004517319.1	Scaffold2348	45891	TT	GG	1940519130
SNP_P1_247853_45898	NW_004517319.1	Scaffold2348	45898	AA	GG	1940519132
SNP_P1_247854_45920	NW_004517319.1	Scaffold2348	45920	CC	TT	1940519134
SNP_P1_247855_45957	NW_004517319.1	Scaffold2348	45957	TT	CC	1940519136
SNP_P1_247856_46085	NW_004517319.1	Scaffold2348	46085	TT	CC	1940519138

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247858_52139	NW_004517319.1	Scaffold2348	52139	CC	TT	1940519142
SNP_P1_247859_52306	NW_004517319.1	Scaffold2348	52306	GG	AA	1940519145
SNP_P1_247860_52329	NW_004517319.1	Scaffold2348	52329	GG	AA	1940519147
SNP_P1_247861_52407	NW_004517319.1	Scaffold2348	52407	TT	CC	1940519149
SNP_P1_247862_52814	NW_004517319.1	Scaffold2348	52814	CC	GG	1940519151
SNP_P1_247863_52816	NW_004517319.1	Scaffold2348	52816	GG	CC	1940519153
SNP_P1_247864_55766	NW_004517319.1	Scaffold2348	55766	CC	TT	1940519155
SNP_P1_247865_56020	NW_004517319.1	Scaffold2348	56020	GG	AA	1940519157
SNP_P1_247866_56583	NW_004517319.1	Scaffold2348	56583	GG	AA	1940519160
SNP_P1_247867_63877	NW_004517319.1	Scaffold2348	63877	TT	GG	1940519162
SNP_P1_247868_63988	NW_004517319.1	Scaffold2348	63988	AA	CC	1940519164
SNP_P1_247869_64017	NW_004517319.1	Scaffold2348	64017	CC	AA	1940519166
SNP_P1_247870_64181	NW_004517319.1	Scaffold2348	64181	TT	AA	1940519168
SNP_P1_247871_64223	NW_004517319.1	Scaffold2348	64223	AA	GG	1940519170
SNP_P1_247872_64237	NW_004517319.1	Scaffold2348	64237	GG	TT	1940519172
SNP_P1_247873_64280	NW_004517319.1	Scaffold2348	64280	TT	CC	1940519175
SNP_P1_247874_64412	NW_004517319.1	Scaffold2348	64412	GG	AA	1940519177
SNP_P1_247875_64493	NW_004517319.1	Scaffold2348	64493	GG	CC	1940519179
SNP_P1_247876_64561	NW_004517319.1	Scaffold2348	64561	GG	CC	1940519181
SNP_P1_247877_64564	NW_004517319.1	Scaffold2348	64564	AA	GG	1940519183
SNP_P1_247878_64596	NW_004517319.1	Scaffold2348	64596	GG	AA	1940519185
SNP_P1_247879_64610	NW_004517319.1	Scaffold2348	64610	AA	CC	1940519187
SNP_P1_247880_64651	NW_004517319.1	Scaffold2348	64651	AA	GG	1940519189
SNP_P1_247881_71733	NW_004517319.1	Scaffold2348	71733	TT	CC	1940519192
SNP_P1_247882_72114	NW_004517319.1	Scaffold2348	72114	AA	CC	1940519194
SNP_P1_247883_72115	NW_004517319.1	Scaffold2348	72115	CC	AA	1940519196
SNP_P1_247884_84590	NW_004517319.1	Scaffold2348	84590	AA	GG	1940519198
SNP_P1_247886_104492	NW_004517319.1	Scaffold2348	104492	GG	AA	1940519200
SNP_P1_247887_104511	NW_004517319.1	Scaffold2348	104511	AA	GG	1940519202
SNP_P1_247888_105736	NW_004517319.1	Scaffold2348	105736	TT	CC	1940519204
SNP_P1_247889_105772	NW_004517319.1	Scaffold2348	105772	TT	GG	1940519206
SNP_P1_247890_105783	NW_004517319.1	Scaffold2348	105783	TT	CC	1940519209
SNP_P1_247891_105803	NW_004517319.1	Scaffold2348	105803	AA	CC	1940519211
SNP_P1_247892_105804	NW_004517319.1	Scaffold2348	105804	TT	AA	1940519213
SNP_P1_247893_108242	NW_004517319.1	Scaffold2348	108242	CC	TT	1940519215
SNP_P1_247894_108273	NW_004517319.1	Scaffold2348	108273	AA	CC	1940519217
SNP_P1_247895_108293	NW_004517319.1	Scaffold2348	108293	CC	TT	1940519219
SNP_P1_247896_109556	NW_004517319.1	Scaffold2348	109556	AA	TT	1940519221
SNP_P1_247897_111599	NW_004517319.1	Scaffold2348	111599	TT	GG	1940519224
SNP_P1_247898_111651	NW_004517319.1	Scaffold2348	111651	TT	AA	1940519226
SNP_P1_247899_113217	NW_004517319.1	Scaffold2348	113217	CC	TT	1940519228

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247901_113344	NW_004517319.1	Scaffold2348	113344	GG	AA	1940519232
SNP_P1_247902_116469	NW_004517319.1	Scaffold2348	116469	AA	GG	1940519234
SNP_P1_247903_116496	NW_004517319.1	Scaffold2348	116496	TT	CC	1940519236
SNP_P1_247904_116527	NW_004517319.1	Scaffold2348	116527	TT	GG	1940519238
SNP_P1_247905_138589	NW_004517319.1	Scaffold2348	138589	AA	TT	1940519241
SNP_P1_247906_139861	NW_004517319.1	Scaffold2348	139861	GG	AA	1940519243
SNP_P1_247907_139874	NW_004517319.1	Scaffold2348	139874	CC	TT	1940519245
SNP_P1_247908_165874	NW_004517319.1	Scaffold2348	165874	TT	CC	1940519247
SNP_P1_247909_517	NW_004517320.1	Scaffold2349	517	CC	GG	1940519249
SNP_P1_247910_592	NW_004517320.1	Scaffold2349	592	AA	GG	1940519251
SNP_P1_247911_641	NW_004517320.1	Scaffold2349	641	TT	AA	1940519253
SNP_P1_247912_668	NW_004517320.1	Scaffold2349	668	TT	AA	1940519255
SNP_P1_247913_1012	NW_004517320.1	Scaffold2349	1012	TT	CC	1940519258
SNP_P1_247914_763	NW_004517323.1	Scaffold2352	763	GG	AA	1940519260
SNP_P1_247915_783	NW_004517323.1	Scaffold2352	783	GG	CC	1940519262
SNP_P1_247916_830	NW_004517323.1	Scaffold2352	830	TT	CC	1940519264
SNP_P1_247917_891	NW_004517323.1	Scaffold2352	891	TT	CC	1940519266
SNP_P1_247918_955	NW_004517323.1	Scaffold2352	955	AA	CC	1940519268
SNP_P1_247919_962	NW_004517323.1	Scaffold2352	962	GG	AA	1940519270
SNP_P1_247920_977	NW_004517323.1	Scaffold2352	977	TT	GG	1940519273
SNP_P1_247921_1028	NW_004517323.1	Scaffold2352	1028	CC	AA	1940519275
SNP_P1_247922_1050	NW_004517323.1	Scaffold2352	1050	AA	GG	1940519277
SNP_P1_247923_1076	NW_004517323.1	Scaffold2352	1076	AA	GG	1940519279
SNP_P1_247924_1094	NW_004517323.1	Scaffold2352	1094	AA	GG	1940519281
SNP_P1_247925_1095	NW_004517323.1	Scaffold2352	1095	AA	GG	1940519283
SNP_P1_247926_1153	NW_004517323.1	Scaffold2352	1153	CC	GG	1940519285
SNP_P1_247927_1175	NW_004517323.1	Scaffold2352	1175	GG	AA	1940519287
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SNP_P1_247929_1244	NW_004517323.1	Scaffold2352	1244	GG	AA	1940519292
SNP_P1_247930_1246	NW_004517323.1	Scaffold2352	1246	GG	CC	1940519294
SNP_P1_247931_79	NW_004517324.1	Scaffold2354	79	TT	CC	1940519296
SNP_P1_247932_4124	NW_004517324.1	Scaffold2354	4124	GG	CC	1940519298
SNP_P1_247933_4199	NW_004517324.1	Scaffold2354	4199	GG	AA	1940519300
SNP_P1_247934_4202	NW_004517324.1	Scaffold2354	4202	TT	AA	1940519302
SNP_P1_247935_4220	NW_004517324.1	Scaffold2354	4220	TT	AA	1940519304
SNP_P1_247936_4333	NW_004517324.1	Scaffold2354	4333	TT	GG	1940519307
SNP_P1_247937_4349	NW_004517324.1	Scaffold2354	4349	TT	AA	1940519309
SNP_P1_247938_4424	NW_004517324.1	Scaffold2354	4424	GG	CC	1940519311
SNP_P1_247939_4434	NW_004517324.1	Scaffold2354	4434	AA	TT	1940519313
SNP_P1_247940_6636	NW_004517324.1	Scaffold2354	6636	GG	AA	1940519315
SNP_P1_247941_6663	NW_004517324.1	Scaffold2354	6663	AA	TT	1940519317

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247943_10653	NW_004517324.1	Scaffold2354	10653	GG	AA	1940519321
SNP_P1_247944_10926	NW_004517324.1	Scaffold2354	10926	AA	TT	1940519324
SNP_P1_247945_10958	NW_004517324.1	Scaffold2354	10958	AA	GG	1940519326
SNP_P1_247946_11328	NW_004517324.1	Scaffold2354	11328	GG	CC	1940519328
SNP_P1_247947_12155	NW_004517324.1	Scaffold2354	12155	CC	TT	1940519330
SNP_P1_247948_12257	NW_004517324.1	Scaffold2354	12257	GG	TT	1940519332
SNP_P1_247949_12296	NW_004517324.1	Scaffold2354	12296	AA	CC	1940519334
SNP_P1_247950_12321	NW_004517324.1	Scaffold2354	12321	AA	CC	1940519336
SNP_P1_247951_12452	NW_004517324.1	Scaffold2354	12452	AA	CC	1940519339
SNP_P1_247952_12567	NW_004517324.1	Scaffold2354	12567	AA	GG	1940519341
SNP_P1_247953_13109	NW_004517324.1	Scaffold2354	13109	TT	GG	1940519343
SNP_P1_247954_14850	NW_004517324.1	Scaffold2354	14850	TT	CC	1940519345
SNP_P1_247955_15217	NW_004517324.1	Scaffold2354	15217	CC	AA	1940519347
SNP_P1_247956_15347	NW_004517324.1	Scaffold2354	15347	AA	TT	1940519349
SNP_P1_247957_15392	NW_004517324.1	Scaffold2354	15392	GG	CC	1940519351
SNP_P1_247958_2959	NW_004517326.1	Scaffold2356	2959	CC	TT	1940519353
SNP_P1_247959_3164	NW_004517326.1	Scaffold2356	3164	TT	CC	1940519356
SNP_P1_247960_5679	NW_004517326.1	Scaffold2356	5679	GG	AA	1940519358
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SNP_P1_247962_5746	NW_004517326.1	Scaffold2356	5746	CC	TT	1940519362
SNP_P1_247964_24436	NW_004517326.1	Scaffold2356	24436	GG	TT	1940519364
SNP_P1_247965_30194	NW_004517326.1	Scaffold2356	30194	AA	TT	1940519366
SNP_P1_247966_42586	NW_004517326.1	Scaffold2356	42586	CC	AA	1940519368
SNP_P1_247967_45337	NW_004517326.1	Scaffold2356	45337	TT	CC	1940519371
SNP_P1_247968_45367	NW_004517326.1	Scaffold2356	45367	TT	CC	1940519373
SNP_P1_247969_45403	NW_004517326.1	Scaffold2356	45403	AA	GG	1940519375
SNP_P1_247970_45425	NW_004517326.1	Scaffold2356	45425	CC	TT	1940519377
SNP_P1_247971_45440	NW_004517326.1	Scaffold2356	45440	TT	CC	1940519379
SNP_P1_247972_45445	NW_004517326.1	Scaffold2356	45445	CC	TT	1940519381
SNP_P1_247973_45451	NW_004517326.1	Scaffold2356	45451	CC	TT	1940519383
SNP_P1_247974_45454	NW_004517326.1	Scaffold2356	45454	AA	GG	1940519385
SNP_P1_247975_45457	NW_004517326.1	Scaffold2356	45457	TT	CC	1940519388
SNP_P1_247976_45682	NW_004517326.1	Scaffold2356	45682	TT	CC	1940519390
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SNP_P1_247978_66162	NW_004517326.1	Scaffold2356	66162	TT	CC	1940519394
SNP_P1_247979_71384	NW_004517326.1	Scaffold2356	71384	TT	CC	1940519396
SNP_P1_247980_71388	NW_004517326.1	Scaffold2356	71388	GG	AA	1940519398
SNP_P1_247981_71392	NW_004517326.1	Scaffold2356	71392	GG	TT	1940519400
SNP_P1_247982_76885	NW_004517326.1	Scaffold2356	76885	CC	GG	1940519402
SNP_P1_247983_92300	NW_004517326.1	Scaffold2356	92300	CC	TT	1940519405
SNP_P1_247984_92307	NW_004517326.1	Scaffold2356	92307	AA	GG	1940519407

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_247987_128875	NW_004517326.1	Scaffold2356	128875	AA	TT	1940519411
SNP_P1_247988_133959	NW_004517326.1	Scaffold2356	133959	GG	AA	1940519413
SNP_P1_247989_135084	NW_004517326.1	Scaffold2356	135084	TT	CC	1940519415
SNP_P1_247990_135147	NW_004517326.1	Scaffold2356	135147	TT	CC	1940519417
SNP_P1_247991_135162	NW_004517326.1	Scaffold2356	135162	CC	TT	1940519420
SNP_P1_247993_136169	NW_004517326.1	Scaffold2356	136169	CC	TT	1940519422
SNP_P1_247994_136214	NW_004517326.1	Scaffold2356	136214	AA	GG	1940519424
SNP_P1_247995_136363	NW_004517326.1	Scaffold2356	136363	TT	AA	1940519426
SNP_P1_247996_136475	NW_004517326.1	Scaffold2356	136475	GG	TT	1940519428
SNP_P1_247997_136767	NW_004517326.1	Scaffold2356	136767	TT	GG	1940519430
SNP_P1_247998_136822	NW_004517326.1	Scaffold2356	136822	TT	CC	1940519432
SNP_P1_247999_136835	NW_004517326.1	Scaffold2356	136835	CC	TT	1940519434
SNP_P1_248000_136847	NW_004517326.1	Scaffold2356	136847	GG	AA	1940519437
SNP_P1_248001_137025	NW_004517326.1	Scaffold2356	137025	GG	AA	1940519439
SNP_P1_248002_138154	NW_004517326.1	Scaffold2356	138154	TT	CC	1940519441
SNP_P1_248004_138664	NW_004517326.1	Scaffold2356	138664	TT	GG	1940519443
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SNP_P1_248011_146532	NW_004517326.1	Scaffold2356	146532	TT	CC	1940519454
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SNP_P1_248015_171046	NW_004517326.1	Scaffold2356	171046	AA	GG	1940519462
SNP_P1_248016_181010	NW_004517326.1	Scaffold2356	181010	AA	TT	1940519464
SNP_P1_248017_196987	NW_004517326.1	Scaffold2356	196987	AA	GG	1940519466
SNP_P1_248018_196988	NW_004517326.1	Scaffold2356	196988	TT	CC	1940519469
SNP_P1_248019_205643	NW_004517326.1	Scaffold2356	205643	AA	CC	1940519471
SNP_P1_248020_205878	NW_004517326.1	Scaffold2356	205878	AA	CC	1940519473
SNP_P1_248021_205954	NW_004517326.1	Scaffold2356	205954	AA	CC	1940519475
SNP_P1_248022_206017	NW_004517326.1	Scaffold2356	206017	AA	GG	1940519477
SNP_P1_248024_217169	NW_004517326.1	Scaffold2356	217169	AA	GG	1940519479
SNP_P1_248025_217184	NW_004517326.1	Scaffold2356	217184	TT	CC	1940519481
SNP_P1_248026_217189	NW_004517326.1	Scaffold2356	217189	TT	CC	1940519483
SNP_P1_248028_230669	NW_004517326.1	Scaffold2356	230669	AA	GG	1940519486
SNP_P1_248029_241984	NW_004517326.1	Scaffold2356	241984	AA	CC	1940519488
SNP_P1_248030_242200	NW_004517326.1	Scaffold2356	242200	GG	CC	1940519490
SNP_P1_248031_245039	NW_004517326.1	Scaffold2356	245039	TT	CC	1940519492
SNP_P1_248032_245442	NW_004517326.1	Scaffold2356	245442	AA	GG	1940519494
SNP_P1_248033_253206	NW_004517326.1	Scaffold2356	253206	TT	AA	1940519496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248037_268342	NW_004517326.1	Scaffold2356	268342	GG	CC	1940519503
SNP_P1_248038_269082	NW_004517326.1	Scaffold2356	269082	GG	AA	1940519505
SNP_P1_248039_269266	NW_004517326.1	Scaffold2356	269266	CC	TT	1940519507
SNP_P1_248040_269543	NW_004517326.1	Scaffold2356	269543	TT	AA	1940519509
SNP_P1_248041_269567	NW_004517326.1	Scaffold2356	269567	TT	GG	1940519511
SNP_P1_248043_293300	NW_004517326.1	Scaffold2356	293300	TT	AA	1940519513
SNP_P1_248044_294059	NW_004517326.1	Scaffold2356	294059	TT	AA	1940519515
SNP_P1_248045_294091	NW_004517326.1	Scaffold2356	294091	AA	GG	1940519518
SNP_P1_248046_294101	NW_004517326.1	Scaffold2356	294101	GG	AA	1940519520
SNP_P1_248047_294255	NW_004517326.1	Scaffold2356	294255	AA	GG	1940519522
SNP_P1_248048_294264	NW_004517326.1	Scaffold2356	294264	AA	GG	1940519524
SNP_P1_248049_294408	NW_004517326.1	Scaffold2356	294408	GG	TT	1940519526
SNP_P1_248050_294696	NW_004517326.1	Scaffold2356	294696	AA	GG	1940519528
SNP_P1_248051_294700	NW_004517326.1	Scaffold2356	294700	TT	CC	1940519530
SNP_P1_248052_294765	NW_004517326.1	Scaffold2356	294765	AA	GG	1940519532
SNP_P1_248053_294800	NW_004517326.1	Scaffold2356	294800	GG	CC	1940519535
SNP_P1_248054_294801	NW_004517326.1	Scaffold2356	294801	CC	TT	1940519537
SNP_P1_248055_298912	NW_004517326.1	Scaffold2356	298912	AA	GG	1940519539
SNP_P1_248056_308325	NW_004517326.1	Scaffold2356	308325	AA	GG	1940519541
SNP_P1_248057_308328	NW_004517326.1	Scaffold2356	308328	GG	AA	1940519543
SNP_P1_248058_8373	NW_004517327.1	Scaffold2357	8373	CC	GG	1940519545
SNP_P1_248059_15929	NW_004517327.1	Scaffold2357	15929	TT	AA	1940519547
SNP_P1_248060_31021	NW_004517327.1	Scaffold2357	31021	CC	TT	1940519550
SNP_P1_248061_159	NW_004517328.1	Scaffold2358	159	TT	AA	1940519552
SNP_P1_248062_215	NW_004517328.1	Scaffold2358	215	TT	CC	1940519554
SNP_P1_248063_221	NW_004517328.1	Scaffold2358	221	GG	CC	1940519556
SNP_P1_248064_259	NW_004517328.1	Scaffold2358	259	GG	AA	1940519558
SNP_P1_248065_404	NW_004517328.1	Scaffold2358	404	AA	TT	1940519560
SNP_P1_248066_445	NW_004517328.1	Scaffold2358	445	CC	TT	1940519562
SNP_P1_248067_601	NW_004517328.1	Scaffold2358	601	CC	AA	1940519565
SNP_P1_248068_662	NW_004517328.1	Scaffold2358	662	AA	GG	1940519567
SNP_P1_248069_679	NW_004517328.1	Scaffold2358	679	AA	TT	1940519569
SNP_P1_248070_684	NW_004517328.1	Scaffold2358	684	CC	GG	1940519571
SNP_P1_248071_799	NW_004517328.1	Scaffold2358	799	AA	GG	1940519573
SNP_P1_248072_873	NW_004517328.1	Scaffold2358	873	AA	GG	1940519575
SNP_P1_248073_892	NW_004517328.1	Scaffold2358	892	AA	GG	1940519577
SNP_P1_248074_921	NW_004517328.1	Scaffold2358	921	TT	CC	1940519579
SNP_P1_248075_1010	NW_004517328.1	Scaffold2358	1010	TT	CC	1940519581
SNP_P1_248076_1071	NW_004517328.1	Scaffold2358	1071	GG	CC	1940519584
SNP_P1_248077_1143	NW_004517328.1	Scaffold2358	1143	TT	CC	1940519586

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248081_1508	NW_004517328.1	Scaffold2358	1508	AA	GG	1940519592
SNP_P1_248082_1521	NW_004517328.1	Scaffold2358	1521	TT	AA	1940519594
SNP_P1_248083_1792	NW_004517328.1	Scaffold2358	1792	CC	TT	1940519596
SNP_P1_248084_2042	NW_004517328.1	Scaffold2358	2042	AA	GG	1940519599
SNP_P1_248085_2115	NW_004517328.1	Scaffold2358	2115	AA	GG	1940519601
SNP_P1_248086_2249	NW_004517328.1	Scaffold2358	2249	GG	TT	1940519603
SNP_P1_248087_2368	NW_004517328.1	Scaffold2358	2368	TT	CC	1940519605
SNP_P1_248088_2384	NW_004517328.1	Scaffold2358	2384	CC	TT	1940519607
SNP_P1_248089_2469	NW_004517328.1	Scaffold2358	2469	AA	GG	1940519609
SNP_P1_248090_2500	NW_004517328.1	Scaffold2358	2500	TT	CC	1940519611
SNP_P1_248091_2575	NW_004517328.1	Scaffold2358	2575	AA	GG	1940519613
SNP_P1_248092_2607	NW_004517328.1	Scaffold2358	2607	GG	AA	1940519616
SNP_P1_248093_2748	NW_004517328.1	Scaffold2358	2748	TT	CC	1940519618
SNP_P1_248094_13877	NW_004517328.1	Scaffold2358	13877	CC	TT	1940519620
SNP_P1_248095_13885	NW_004517328.1	Scaffold2358	13885	AA	GG	1940519622
SNP_P1_248096_16164	NW_004517328.1	Scaffold2358	16164	TT	AA	1940519624
SNP_P1_248097_16173	NW_004517328.1	Scaffold2358	16173	AA	GG	1940519626
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SNP_P1_248099_16437	NW_004517328.1	Scaffold2358	16437	GG	CC	1940519630
SNP_P1_248100_16446	NW_004517328.1	Scaffold2358	16446	GG	AA	1940519633
SNP_P1_248101_16571	NW_004517328.1	Scaffold2358	16571	TT	CC	1940519635
SNP_P1_248102_16613	NW_004517328.1	Scaffold2358	16613	TT	CC	1940519637
SNP_P1_248103_16646	NW_004517328.1	Scaffold2358	16646	GG	CC	1940519639
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SNP_P1_248106_16686	NW_004517328.1	Scaffold2358	16686	AA	TT	1940519645
SNP_P1_248107_16688	NW_004517328.1	Scaffold2358	16688	TT	CC	1940519647
SNP_P1_248108_16745	NW_004517328.1	Scaffold2358	16745	CC	TT	1940519650
SNP_P1_248109_16805	NW_004517328.1	Scaffold2358	16805	CC	AA	1940519652
SNP_P1_248110_16828	NW_004517328.1	Scaffold2358	16828	CC	TT	1940519654
SNP_P1_248111_17474	NW_004517328.1	Scaffold2358	17474	CC	GG	1940519656
SNP_P1_248112_17527	NW_004517328.1	Scaffold2358	17527	AA	GG	1940519658
SNP_P1_248113_17742	NW_004517328.1	Scaffold2358	17742	TT	CC	1940519660
SNP_P1_248114_19696	NW_004517328.1	Scaffold2358	19696	CC	TT	1940519662
SNP_P1_248115_19731	NW_004517328.1	Scaffold2358	19731	TT	CC	1940519665
SNP_P1_248116_19782	NW_004517328.1	Scaffold2358	19782	AA	CC	1940519667
SNP_P1_248117_19877	NW_004517328.1	Scaffold2358	19877	AA	TT	1940519669
SNP_P1_248118_19878	NW_004517328.1	Scaffold2358	19878	TT	GG	1940519671
SNP_P1_248119_20003	NW_004517328.1	Scaffold2358	20003	TT	GG	1940519673
SNP_P1_248120_20744	NW_004517328.1	Scaffold2358	20744	AA	TT	1940519675

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248123_36223	NW_004517328.1	Scaffold2358	36223	CC	AA	1940519682
SNP_P1_248124_36383	NW_004517328.1	Scaffold2358	36383	GG	AA	1940519684
SNP_P1_248125_36635	NW_004517328.1	Scaffold2358	36635	GG	AA	1940519686
SNP_P1_248127_55117	NW_004517328.1	Scaffold2358	55117	CC	TT	1940519688
SNP_P1_248128_55127	NW_004517328.1	Scaffold2358	55127	AA	GG	1940519690
SNP_P1_248129_55421	NW_004517328.1	Scaffold2358	55421	CC	GG	1940519692
SNP_P1_248130_55466	NW_004517328.1	Scaffold2358	55466	AA	GG	1940519694
SNP_P1_248131_55478	NW_004517328.1	Scaffold2358	55478	TT	CC	1940519697
SNP_P1_248132_55637	NW_004517328.1	Scaffold2358	55637	GG	AA	1940519699
SNP_P1_248133_1398	NW_004517330.1	Scaffold2361	1398	TT	AA	1940519701
SNP_P1_248134_1407	NW_004517330.1	Scaffold2361	1407	TT	CC	1940519703
SNP_P1_248135_1418	NW_004517330.1	Scaffold2361	1418	TT	CC	1940519705
SNP_P1_248136_3217	NW_004517330.1	Scaffold2361	3217	GG	AA	1940519707
SNP_P1_248137_6709	NW_004517330.1	Scaffold2361	6709	AA	GG	1940519709
SNP_P1_248138_6727	NW_004517330.1	Scaffold2361	6727	TT	AA	1940519711
SNP_P1_248139_8916	NW_004517330.1	Scaffold2361	8916	TT	CC	1940519714
SNP_P1_248140_9133	NW_004517330.1	Scaffold2361	9133	TT	GG	1940519716
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SNP_P1_248144_19123	NW_004517330.1	Scaffold2361	19123	AA	TT	1940519724
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SNP_P1_248147_23619	NW_004517330.1	Scaffold2361	23619	GG	AA	1940519731
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SNP_P1_248150_40121	NW_004517330.1	Scaffold2361	40121	AA	TT	1940519735
SNP_P1_248152_42220	NW_004517330.1	Scaffold2361	42220	TT	CC	1940519737
SNP_P1_248153_42240	NW_004517330.1	Scaffold2361	42240	AA	GG	1940519739
SNP_P1_248154_42257	NW_004517330.1	Scaffold2361	42257	GG	AA	1940519741
SNP_P1_248155_42271	NW_004517330.1	Scaffold2361	42271	TT	CC	1940519743
SNP_P1_248156_45321	NW_004517330.1	Scaffold2361	45321	AA	GG	1940519746
SNP_P1_248157_45334	NW_004517330.1	Scaffold2361	45334	TT	CC	1940519748
SNP_P1_248158_45346	NW_004517330.1	Scaffold2361	45346	TT	AA	1940519750
SNP_P1_248159_45365	NW_004517330.1	Scaffold2361	45365	AA	GG	1940519752
SNP_P1_248161_45398	NW_004517330.1	Scaffold2361	45398	AA	GG	1940519754
SNP_P1_248162_45408	NW_004517330.1	Scaffold2361	45408	CC	TT	1940519756
SNP_P1_248163_45471	NW_004517330.1	Scaffold2361	45471	TT	CC	1940519758
SNP_P1_248164_45481	NW_004517330.1	Scaffold2361	45481	CC	GG	1940519760
SNP_P1_248166_457	NW_004517331.1	Scaffold2364	457	GG	CC	1940519763
SNP_P1_248167_479	NW_004517331.1	Scaffold2364	479	TT	CC	1940519765

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248170_64	NW_004517333.1	Scaffold2366	64	GG	AA	1940519771
SNP_P1_248171_302	NW_004517333.1	Scaffold2366	302	CC	TT	1940519773
SNP_P1_248172_778	NW_004517333.1	Scaffold2366	778	GG	AA	1940519775
SNP_P1_248173_19567	NW_004517333.1	Scaffold2366	19567	GG	CC	1940519777
SNP_P1_248174_19587	NW_004517333.1	Scaffold2366	19587	TT	CC	1940519780
SNP_P1_248175_19626	NW_004517333.1	Scaffold2366	19626	GG	AA	1940519782
SNP_P1_248176_19653	NW_004517333.1	Scaffold2366	19653	CC	AA	1940519784
SNP_P1_248177_19774	NW_004517333.1	Scaffold2366	19774	GG	AA	1940519786
SNP_P1_248178_19783	NW_004517333.1	Scaffold2366	19783	GG	AA	1940519788
SNP_P1_248179_19807	NW_004517333.1	Scaffold2366	19807	CC	TT	1940519790
SNP_P1_248180_19816	NW_004517333.1	Scaffold2366	19816	GG	AA	1940519792
SNP_P1_248181_19848	NW_004517333.1	Scaffold2366	19848	GG	AA	1940519794
SNP_P1_248182_19852	NW_004517333.1	Scaffold2366	19852	GG	AA	1940519797
SNP_P1_248183_19870	NW_004517333.1	Scaffold2366	19870	AA	GG	1940519799
SNP_P1_248184_19885	NW_004517333.1	Scaffold2366	19885	TT	CC	1940519801
SNP_P1_248185_19893	NW_004517333.1	Scaffold2366	19893	AA	CC	1940519803
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SNP_P1_248187_19960	NW_004517333.1	Scaffold2366	19960	CC	TT	1940519807
SNP_P1_248188_19981	NW_004517333.1	Scaffold2366	19981	CC	AA	1940519809
SNP_P1_248189_19983	NW_004517333.1	Scaffold2366	19983	AA	GG	1940519812
SNP_P1_248190_21011	NW_004517333.1	Scaffold2366	21011	AA	CC	1940519814
SNP_P1_248191_21040	NW_004517333.1	Scaffold2366	21040	AA	CC	1940519816
SNP_P1_248192_21095	NW_004517333.1	Scaffold2366	21095	GG	TT	1940519818
SNP_P1_248193_21243	NW_004517333.1	Scaffold2366	21243	CC	TT	1940519820
SNP_P1_248194_21251	NW_004517333.1	Scaffold2366	21251	GG	TT	1940519822
SNP_P1_248195_21252	NW_004517333.1	Scaffold2366	21252	GG	AA	1940519824
SNP_P1_248196_21258	NW_004517333.1	Scaffold2366	21258	TT	CC	1940519826
SNP_P1_248197_21306	NW_004517333.1	Scaffold2366	21306	TT	CC	1940519829
SNP_P1_248198_21332	NW_004517333.1	Scaffold2366	21332	TT	GG	1940519831
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SNP_P1_248204_21730	NW_004517333.1	Scaffold2366	21730	TT	GG	1940519843
SNP_P1_248205_24368	NW_004517333.1	Scaffold2366	24368	GG	CC	1940519846
SNP_P1_248206_26158	NW_004517333.1	Scaffold2366	26158	TT	AA	1940519848
SNP_P1_248208_730	NW_004517334.1	Scaffold2367	730	TT	AA	1940519850
SNP_P1_248209_745	NW_004517334.1	Scaffold2367	745	AA	CC	1940519852
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248212_824	NW_004517334.1	Scaffold2367	824	CC	TT	1940519858
SNP_P1_248213_1872	NW_004517334.1	Scaffold2367	1872	TT	AA	1940519860
SNP_P1_248214_6270	NW_004517334.1	Scaffold2367	6270	TT	CC	1940519862
SNP_P1_248215_6521	NW_004517334.1	Scaffold2367	6521	TT	GG	1940519865
SNP_P1_248216_7215	NW_004517334.1	Scaffold2367	7215	AA	GG	1940519867
SNP_P1_248217_7242	NW_004517334.1	Scaffold2367	7242	AA	GG	1940519869
SNP_P1_248218_7259	NW_004517334.1	Scaffold2367	7259	GG	AA	1940519871
SNP_P1_248219_7267	NW_004517334.1	Scaffold2367	7267	CC	TT	1940519873
SNP_P1_248221_7305	NW_004517334.1	Scaffold2367	7305	AA	CC	1940519875
SNP_P1_248222_7328	NW_004517334.1	Scaffold2367	7328	CC	TT	1940519877
SNP_P1_248223_2135	NW_004517335.1	Scaffold2368	2135	TT	AA	1940519879
SNP_P1_248224_2804	NW_004517335.1	Scaffold2368	2804	CC	GG	1940519881
SNP_P1_248225_25806	NW_004517335.1	Scaffold2368	25806	TT	AA	1940519884
SNP_P1_248226_25842	NW_004517335.1	Scaffold2368	25842	AA	CC	1940519886
SNP_P1_248227_25846	NW_004517335.1	Scaffold2368	25846	TT	CC	1940519888
SNP_P1_248229_25961	NW_004517335.1	Scaffold2368	25961	TT	CC	1940519890
SNP_P1_248230_26069	NW_004517335.1	Scaffold2368	26069	GG	AA	1940519892
SNP_P1_248231_26085	NW_004517335.1	Scaffold2368	26085	GG	TT	1940519894
SNP_P1_248232_26193	NW_004517335.1	Scaffold2368	26193	AA	TT	1940519896
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SNP_P1_248237_26376	NW_004517335.1	Scaffold2368	26376	CC	GG	1940519905
SNP_P1_248238_26401	NW_004517335.1	Scaffold2368	26401	TT	GG	1940519907
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SNP_P1_248253_53874	NW_004517335.1	Scaffold2368	53874	AA	GG	1940519934
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SNP_P1_248255_53910	NW_004517335.1	Scaffold2368	53910	AA	GG	1940519939
SNP_P1_248256_53912	NW_004517335.1	Scaffold2368	53912	AA	TT	1940519941
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248261_53983	NW_004517335.1	Scaffold2368	53983	AA	GG	1940519951
SNP_P1_248262_53988	NW_004517335.1	Scaffold2368	53988	AA	CC	1940519953
SNP_P1_248263_53989	NW_004517335.1	Scaffold2368	53989	CC	TT	1940519955
SNP_P1_248264_53990	NW_004517335.1	Scaffold2368	53990	AA	TT	1940519958
SNP_P1_248265_54043	NW_004517335.1	Scaffold2368	54043	GG	CC	1940519960
SNP_P1_248266_54045	NW_004517335.1	Scaffold2368	54045	CC	GG	1940519962
SNP_P1_248267_54058	NW_004517335.1	Scaffold2368	54058	CC	AA	1940519964
SNP_P1_248268_54089	NW_004517335.1	Scaffold2368	54089	TT	CC	1940519966
SNP_P1_248271_54500	NW_004517335.1	Scaffold2368	54500	GG	AA	1940519968
SNP_P1_248272_54563	NW_004517335.1	Scaffold2368	54563	TT	CC	1940519970
SNP_P1_248273_54818	NW_004517335.1	Scaffold2368	54818	AA	GG	1940519972
SNP_P1_248274_54829	NW_004517335.1	Scaffold2368	54829	GG	TT	1940519974
SNP_P1_248275_55139	NW_004517335.1	Scaffold2368	55139	CC	TT	1940519977
SNP_P1_248276_55975	NW_004517335.1	Scaffold2368	55975	CC	TT	1940519979
SNP_P1_248278_60039	NW_004517335.1	Scaffold2368	60039	CC	AA	1940519981
SNP_P1_248279_60180	NW_004517335.1	Scaffold2368	60180	AA	TT	1940519983
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SNP_P1_248282_751	NW_004517338.1	Scaffold2371	751	GG	AA	1940519989
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SNP_P1_248287_21246	NW_004517338.1	Scaffold2371	21246	CC	TT	1940519998
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SNP_P1_248290_43536	NW_004517338.1	Scaffold2371	43536	AA	GG	1940520002
SNP_P1_248293_65063	NW_004517338.1	Scaffold2371	65063	GG	AA	1940520004
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SNP_P1_248299_73060	NW_004517338.1	Scaffold2371	73060	GG	AA	1940520017
SNP_P1_248301_73172	NW_004517338.1	Scaffold2371	73172	TT	CC	1940520019
SNP_P1_248302_73258	NW_004517338.1	Scaffold2371	73258	CC	TT	1940520021
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SNP_P1_248304_73264	NW_004517338.1	Scaffold2371	73264	AA	GG	1940520025
SNP_P1_248305_73277	NW_004517338.1	Scaffold2371	73277	AA	GG	1940520027
SNP_P1_248306_73289	NW_004517338.1	Scaffold2371	73289	TT	CC	1940520030
SNP_P1_248307_73300	NW_004517338.1	Scaffold2371	73300	AA	GG	1940520032

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248311_73517	NW_004517338.1	Scaffold2371	73517	AA	CC	1940520038
SNP_P1_248312_73576	NW_004517338.1	Scaffold2371	73576	AA	TT	1940520040
SNP_P1_248313_73646	NW_004517338.1	Scaffold2371	73646	GG	AA	1940520042
SNP_P1_248314_73724	NW_004517338.1	Scaffold2371	73724	AA	GG	1940520044
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SNP_P1_248316_73751	NW_004517338.1	Scaffold2371	73751	GG	CC	1940520049
SNP_P1_248318_73874	NW_004517338.1	Scaffold2371	73874	TT	AA	1940520051
SNP_P1_248319_73878	NW_004517338.1	Scaffold2371	73878	CC	AA	1940520053
SNP_P1_248321_74041	NW_004517338.1	Scaffold2371	74041	TT	AA	1940520055
SNP_P1_248322_74125	NW_004517338.1	Scaffold2371	74125	AA	GG	1940520057
SNP_P1_248323_74252	NW_004517338.1	Scaffold2371	74252	AA	TT	1940520059
SNP_P1_248324_74269	NW_004517338.1	Scaffold2371	74269	CC	TT	1940520061
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SNP_P1_248326_74447	NW_004517338.1	Scaffold2371	74447	GG	AA	1940520065
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SNP_P1_248328_74605	NW_004517338.1	Scaffold2371	74605	TT	AA	1940520069
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SNP_P1_248337_79815	NW_004517338.1	Scaffold2371	79815	GG	AA	1940520086
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SNP_P1_248353_127816	NW_004517338.1	Scaffold2371	127816	TT	CC	1940520116
SNP_P1_248354_128065	NW_004517338.1	Scaffold2371	128065	CC	AA	1940520118
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248359_149904	NW_004517338.1	Scaffold2371	149904	AA	GG	1940520128
SNP_P1_248360_150013	NW_004517338.1	Scaffold2371	150013	CC	AA	1940520131
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SNP_P1_248368_150308	NW_004517338.1	Scaffold2371	150308	TT	AA	1940520145
SNP_P1_248369_150319	NW_004517338.1	Scaffold2371	150319	AA	GG	1940520147
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SNP_P1_248386_199825	NW_004517338.1	Scaffold2371	199825	GG	AA	1940520183
SNP_P1_248387_224528	NW_004517338.1	Scaffold2371	224528	AA	GG	1940520185
SNP_P1_248388_224570	NW_004517338.1	Scaffold2371	224570	GG	AA	1940520188
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SNP_P1_248398_290041	NW_004517338.1	Scaffold2371	290041	GG	TT	1940520204
SNP_P1_248399_290225	NW_004517338.1	Scaffold2371	290225	TT	AA	1940520207
SNP_P1_248400_290309	NW_004517338.1	Scaffold2371	290309	TT	AA	1940520209

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248403_292110	NW_004517338.1	Scaffold2371	292110	CC	TT	1940520215
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SNP_P1_248405_294881	NW_004517338.1	Scaffold2371	294881	GG	AA	1940520219
SNP_P1_248406_295288	NW_004517338.1	Scaffold2371	295288	TT	GG	1940520221
SNP_P1_248407_298415	NW_004517338.1	Scaffold2371	298415	GG	AA	1940520224
SNP_P1_248408_298508	NW_004517338.1	Scaffold2371	298508	GG	CC	1940520226
SNP_P1_248410_338758	NW_004517338.1	Scaffold2371	338758	AA	GG	1940520228
SNP_P1_248411_340426	NW_004517338.1	Scaffold2371	340426	AA	GG	1940520230
SNP_P1_248412_340760	NW_004517338.1	Scaffold2371	340760	TT	AA	1940520232
SNP_P1_248413_342022	NW_004517338.1	Scaffold2371	342022	GG	TT	1940520234
SNP_P1_248414_342034	NW_004517338.1	Scaffold2371	342034	TT	CC	1940520236
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SNP_P1_248416_346147	NW_004517338.1	Scaffold2371	346147	TT	CC	1940520240
SNP_P1_248417_363517	NW_004517338.1	Scaffold2371	363517	CC	GG	1940520243
SNP_P1_248418_363618	NW_004517338.1	Scaffold2371	363618	CC	TT	1940520245
SNP_P1_248419_363753	NW_004517338.1	Scaffold2371	363753	CC	TT	1940520247
SNP_P1_248420_363808	NW_004517338.1	Scaffold2371	363808	CC	GG	1940520249
SNP_P1_248421_363868	NW_004517338.1	Scaffold2371	363868	AA	GG	1940520251
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SNP_P1_248425_1710	NW_004517339.1	Scaffold2372	1710	GG	TT	1940520255
SNP_P1_248426_1847	NW_004517339.1	Scaffold2372	1847	TT	CC	1940520257
SNP_P1_248427_1860	NW_004517339.1	Scaffold2372	1860	CC	TT	1940520259
SNP_P1_248428_1862	NW_004517339.1	Scaffold2372	1862	AA	TT	1940520262
SNP_P1_248429_1880	NW_004517339.1	Scaffold2372	1880	GG	CC	1940520264
SNP_P1_248430_1991	NW_004517339.1	Scaffold2372	1991	AA	TT	1940520266
SNP_P1_248431_1901	NW_004517340.1	Scaffold2373	1901	AA	GG	1940520268
SNP_P1_248432_1923	NW_004517340.1	Scaffold2373	1923	TT	CC	1940520270
SNP_P1_248433_2109	NW_004517340.1	Scaffold2373	2109	TT	CC	1940520272
SNP_P1_248434_3858	NW_004517340.1	Scaffold2373	3858	AA	GG	1940520274
SNP_P1_248435_3864	NW_004517340.1	Scaffold2373	3864	AA	GG	1940520276
SNP_P1_248436_3871	NW_004517340.1	Scaffold2373	3871	TT	AA	1940520278
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SNP_P1_248439_27906	NW_004517340.1	Scaffold2373	27906	GG	AA	1940520283
SNP_P1_248440_27964	NW_004517340.1	Scaffold2373	27964	TT	CC	1940520285
SNP_P1_248441_28669	NW_004517340.1	Scaffold2373	28669	GG	CC	1940520287
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SNP_P1_248444_34337	NW_004517340.1	Scaffold2373	34337	GG	TT	1940520293
SNP_P1_248446_38325	NW_004517340.1	Scaffold2373	38325	AA	GG	1940520295
SNP_P1_248447_39215	NW_004517340.1	Scaffold2373	39215	TT	CC	1940520297

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248449_39464	NW_004517340.1	Scaffold2373	39464	GG	TT	1940520302
SNP_P1_248451_39643	NW_004517340.1	Scaffold2373	39643	CC	GG	1940520304
SNP_P1_248453_39723	NW_004517340.1	Scaffold2373	39723	TT	CC	1940520306
SNP_P1_248454_39835	NW_004517340.1	Scaffold2373	39835	TT	GG	1940520308
SNP_P1_248455_39849	NW_004517340.1	Scaffold2373	39849	TT	GG	1940520310
SNP_P1_248456_39904	NW_004517340.1	Scaffold2373	39904	GG	AA	1940520312
SNP_P1_248457_39967	NW_004517340.1	Scaffold2373	39967	GG	TT	1940520314
SNP_P1_248459_41866	NW_004517340.1	Scaffold2373	41866	GG	AA	1940520316
SNP_P1_248460_42555	NW_004517340.1	Scaffold2373	42555	TT	CC	1940520319
SNP_P1_248461_42976	NW_004517340.1	Scaffold2373	42976	CC	GG	1940520321
SNP_P1_248462_42979	NW_004517340.1	Scaffold2373	42979	GG	AA	1940520323
SNP_P1_248464_62473	NW_004517340.1	Scaffold2373	62473	AA	GG	1940520325
SNP_P1_248465_62513	NW_004517340.1	Scaffold2373	62513	TT	CC	1940520327
SNP_P1_248466_62520	NW_004517340.1	Scaffold2373	62520	CC	TT	1940520329
SNP_P1_248467_62915	NW_004517340.1	Scaffold2373	62915	AA	CC	1940520331
SNP_P1_248468_64194	NW_004517340.1	Scaffold2373	64194	GG	AA	1940520333
SNP_P1_248469_64304	NW_004517340.1	Scaffold2373	64304	GG	TT	1940520335
SNP_P1_248470_64320	NW_004517340.1	Scaffold2373	64320	AA	CC	1940520338
SNP_P1_248471_64345	NW_004517340.1	Scaffold2373	64345	AA	GG	1940520340
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SNP_P1_248476_65266	NW_004517340.1	Scaffold2373	65266	TT	CC	1940520350
SNP_P1_248479_69636	NW_004517340.1	Scaffold2373	69636	CC	TT	1940520352
SNP_P1_248480_69681	NW_004517340.1	Scaffold2373	69681	AA	TT	1940520354
SNP_P1_248481_69733	NW_004517340.1	Scaffold2373	69733	TT	CC	1940520357
SNP_P1_248482_69839	NW_004517340.1	Scaffold2373	69839	CC	TT	1940520359
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SNP_P1_248484_81340	NW_004517340.1	Scaffold2373	81340	GG	AA	1940520363
SNP_P1_248485_84371	NW_004517340.1	Scaffold2373	84371	TT	CC	1940520365
SNP_P1_248488_99924	NW_004517340.1	Scaffold2373	99924	AA	TT	1940520367
SNP_P1_248489_99925	NW_004517340.1	Scaffold2373	99925	TT	AA	1940520369
SNP_P1_248490_109198	NW_004517340.1	Scaffold2373	109198	GG	AA	1940520371
SNP_P1_248491_114387	NW_004517340.1	Scaffold2373	114387	TT	CC	1940520373
SNP_P1_248492_115573	NW_004517340.1	Scaffold2373	115573	TT	CC	1940520375
SNP_P1_248493_115600	NW_004517340.1	Scaffold2373	115600	CC	AA	1940520378
SNP_P1_248495_122318	NW_004517340.1	Scaffold2373	122318	CC	TT	1940520380
SNP_P1_248496_124551	NW_004517340.1	Scaffold2373	124551	AA	GG	1940520382
SNP_P1_248497_124556	NW_004517340.1	Scaffold2373	124556	GG	AA	1940520384
SNP_P1_248498_124577	NW_004517340.1	Scaffold2373	124577	TT	AA	1940520386

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248500_124599	NW_004517340.1	Scaffold2373	124599	TT	CC	1940520390
SNP_P1_248501_124610	NW_004517340.1	Scaffold2373	124610	GG	AA	1940520392
SNP_P1_248502_124622	NW_004517340.1	Scaffold2373	124622	CC	AA	1940520394
SNP_P1_248503_124769	NW_004517340.1	Scaffold2373	124769	AA	GG	1940520397
SNP_P1_248504_124780	NW_004517340.1	Scaffold2373	124780	CC	AA	1940520399
SNP_P1_248505_124788	NW_004517340.1	Scaffold2373	124788	CC	AA	1940520401
SNP_P1_248506_124798	NW_004517340.1	Scaffold2373	124798	GG	TT	1940520403
SNP_P1_248507_124802	NW_004517340.1	Scaffold2373	124802	TT	CC	1940520405
SNP_P1_248509_124841	NW_004517340.1	Scaffold2373	124841	CC	TT	1940520407
SNP_P1_248510_124853	NW_004517340.1	Scaffold2373	124853	GG	AA	1940520409
SNP_P1_248511_124865	NW_004517340.1	Scaffold2373	124865	CC	TT	1940520411
SNP_P1_248512_124930	NW_004517340.1	Scaffold2373	124930	TT	CC	1940520413
SNP_P1_248513_124947	NW_004517340.1	Scaffold2373	124947	AA	TT	1940520416
SNP_P1_248514_127870	NW_004517340.1	Scaffold2373	127870	GG	TT	1940520418
SNP_P1_248515_148719	NW_004517340.1	Scaffold2373	148719	GG	TT	1940520420
SNP_P1_248516_149123	NW_004517340.1	Scaffold2373	149123	TT	GG	1940520422
SNP_P1_248517_149285	NW_004517340.1	Scaffold2373	149285	CC	TT	1940520424
SNP_P1_248518_149329	NW_004517340.1	Scaffold2373	149329	CC	TT	1940520426
SNP_P1_248519_149367	NW_004517340.1	Scaffold2373	149367	GG	TT	1940520428
SNP_P1_248520_149408	NW_004517340.1	Scaffold2373	149408	GG	AA	1940520430
SNP_P1_248521_149578	NW_004517340.1	Scaffold2373	149578	AA	GG	1940520432
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SNP_P1_248523_149716	NW_004517340.1	Scaffold2373	149716	AA	CC	1940520437
SNP_P1_248524_149971	NW_004517340.1	Scaffold2373	149971	TT	CC	1940520439
SNP_P1_248525_150053	NW_004517340.1	Scaffold2373	150053	TT	CC	1940520441
SNP_P1_248526_150122	NW_004517340.1	Scaffold2373	150122	CC	TT	1940520443
SNP_P1_248527_150146	NW_004517340.1	Scaffold2373	150146	TT	CC	1940520445
SNP_P1_248528_150184	NW_004517340.1	Scaffold2373	150184	TT	CC	1940520447
SNP_P1_248529_150373	NW_004517340.1	Scaffold2373	150373	TT	CC	1940520449
SNP_P1_248530_150381	NW_004517340.1	Scaffold2373	150381	TT	GG	1940520451
SNP_P1_248531_150387	NW_004517340.1	Scaffold2373	150387	CC	AA	1940520453
SNP_P1_248532_151019	NW_004517340.1	Scaffold2373	151019	AA	GG	1940520456
SNP_P1_248533_151064	NW_004517340.1	Scaffold2373	151064	TT	CC	1940520458
SNP_P1_248534_151068	NW_004517340.1	Scaffold2373	151068	GG	TT	1940520460
SNP_P1_248535_151070	NW_004517340.1	Scaffold2373	151070	CC	TT	1940520462
SNP_P1_248536_151085	NW_004517340.1	Scaffold2373	151085	TT	CC	1940520464
SNP_P1_248537_151327	NW_004517340.1	Scaffold2373	151327	TT	CC	1940520466
SNP_P1_248538_151456	NW_004517340.1	Scaffold2373	151456	TT	CC	1940520468
SNP_P1_248539_151833	NW_004517340.1	Scaffold2373	151833	GG	AA	1940520470
SNP_P1_248540_152235	NW_004517340.1	Scaffold2373	152235	TT	AA	1940520473
SNP_P1_248541_152306	NW_004517340.1	Scaffold2373	152306	GG	AA	1940520475

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248543_152521	NW_004517340.1	Scaffold2373	152521	TT	CC	1940520479
SNP_P1_248544_152620	NW_004517340.1	Scaffold2373	152620	GG	AA	1940520481
SNP_P1_248545_152704	NW_004517340.1	Scaffold2373	152704	CC	GG	1940520483
SNP_P1_248546_152772	NW_004517340.1	Scaffold2373	152772	AA	CC	1940520485
SNP_P1_248547_152870	NW_004517340.1	Scaffold2373	152870	AA	CC	1940520487
SNP_P1_248548_2703	NW_004517342.1	Scaffold2375	2703	AA	GG	1940520489
SNP_P1_248549_3377	NW_004517342.1	Scaffold2375	3377	AA	GG	1940520492
SNP_P1_248550_3690	NW_004517342.1	Scaffold2375	3690	TT	CC	1940520494
SNP_P1_248551_3733	NW_004517342.1	Scaffold2375	3733	TT	CC	1940520496
SNP_P1_248552_1300	NW_004517343.1	Scaffold2376	1300	AA	TT	1940520498
SNP_P1_248553_1315	NW_004517343.1	Scaffold2376	1315	CC	GG	1940520500
SNP_P1_248554_1393	NW_004517343.1	Scaffold2376	1393	AA	TT	1940520502
SNP_P1_248555_1395	NW_004517343.1	Scaffold2376	1395	TT	CC	1940520504
SNP_P1_248556_1553	NW_004517343.1	Scaffold2376	1553	AA	GG	1940520506
SNP_P1_248557_2976	NW_004517343.1	Scaffold2376	2976	CC	GG	1940520508
SNP_P1_248560_5937	NW_004517343.1	Scaffold2376	5937	CC	TT	1940520510
SNP_P1_248561_6496	NW_004517343.1	Scaffold2376	6496	CC	AA	1940520512
SNP_P1_248562_9048	NW_004517343.1	Scaffold2376	9048	CC	AA	1940520514
SNP_P1_248563_9050	NW_004517343.1	Scaffold2376	9050	CC	AA	1940520516
SNP_P1_248564_9052	NW_004517343.1	Scaffold2376	9052	AA	CC	1940520518
SNP_P1_248565_9057	NW_004517343.1	Scaffold2376	9057	CC	AA	1940520521
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SNP_P1_248567_9391	NW_004517343.1	Scaffold2376	9391	GG	CC	1940520525
SNP_P1_248568_9425	NW_004517343.1	Scaffold2376	9425	AA	TT	1940520527
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SNP_P1_248571_12557	NW_004517343.1	Scaffold2376	12557	GG	CC	1940520533
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SNP_P1_248573_15632	NW_004517343.1	Scaffold2376	15632	AA	TT	1940520537
SNP_P1_248574_15889	NW_004517343.1	Scaffold2376	15889	CC	GG	1940520540
SNP_P1_248575_15971	NW_004517343.1	Scaffold2376	15971	CC	AA	1940520542
SNP_P1_248576_1000	NW_004517345.1	Scaffold2378	1000	TT	AA	1940520544
SNP_P1_248577_1057	NW_004517345.1	Scaffold2378	1057	CC	TT	1940520546
SNP_P1_248578_6343	NW_004517345.1	Scaffold2378	6343	TT	CC	1940520548
SNP_P1_248579_6436	NW_004517345.1	Scaffold2378	6436	AA	GG	1940520550
SNP_P1_248580_17162	NW_004517345.1	Scaffold2378	17162	CC	TT	1940520552
SNP_P1_248581_17184	NW_004517345.1	Scaffold2378	17184	AA	TT	1940520554
SNP_P1_248582_17197	NW_004517345.1	Scaffold2378	17197	TT	CC	1940520556
SNP_P1_248585_17431	NW_004517345.1	Scaffold2378	17431	CC	TT	1940520559
SNP_P1_248586_17435	NW_004517345.1	Scaffold2378	17435	GG	CC	1940520561
SNP_P1_248587_17459	NW_004517345.1	Scaffold2378	17459	AA	TT	1940520563

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248589_17524	NW_004517345.1	Scaffold2378	17524	CC	TT	1940520567
SNP_P1_248590_17550	NW_004517345.1	Scaffold2378	17550	TT	CC	1940520569
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SNP_P1_248592_17636	NW_004517345.1	Scaffold2378	17636	TT	CC	1940520573
SNP_P1_248593_17637	NW_004517345.1	Scaffold2378	17637	TT	CC	1940520575
SNP_P1_248594_17670	NW_004517345.1	Scaffold2378	17670	TT	AA	1940520577
SNP_P1_248595_17689	NW_004517345.1	Scaffold2378	17689	TT	CC	1940520579
SNP_P1_248596_17706	NW_004517345.1	Scaffold2378	17706	GG	TT	1940520581
SNP_P1_248597_17716	NW_004517345.1	Scaffold2378	17716	GG	AA	1940520583
SNP_P1_248598_23078	NW_004517345.1	Scaffold2378	23078	AA	CC	1940520586
SNP_P1_248599_23085	NW_004517345.1	Scaffold2378	23085	TT	CC	1940520588
SNP_P1_248600_23149	NW_004517345.1	Scaffold2378	23149	TT	CC	1940520590
SNP_P1_248601_23276	NW_004517345.1	Scaffold2378	23276	AA	GG	1940520592
SNP_P1_248603_29204	NW_004517345.1	Scaffold2378	29204	CC	TT	1940520594
SNP_P1_248605_29208	NW_004517345.1	Scaffold2378	29208	TT	AA	1940520596
SNP_P1_248606_29512	NW_004517345.1	Scaffold2378	29512	GG	AA	1940520598
SNP_P1_248607_30241	NW_004517345.1	Scaffold2378	30241	AA	TT	1940520600
SNP_P1_248608_30285	NW_004517345.1	Scaffold2378	30285	TT	GG	1940520602
SNP_P1_248609_30350	NW_004517345.1	Scaffold2378	30350	AA	CC	1940520605
SNP_P1_248610_30396	NW_004517345.1	Scaffold2378	30396	AA	GG	1940520607
SNP_P1_248611_37149	NW_004517345.1	Scaffold2378	37149	GG	CC	1940520609
SNP_P1_248614_43065	NW_004517345.1	Scaffold2378	43065	AA	GG	1940520611
SNP_P1_248615_985	NW_004517346.1	Scaffold2380	985	AA	GG	1940520613
SNP_P1_248616_1522	NW_004517347.1	Scaffold2381	1522	CC	TT	1940520615
SNP_P1_248617_11672	NW_004517348.1	Scaffold2382	11672	AA	GG	1940520617
SNP_P1_248618_11717	NW_004517348.1	Scaffold2382	11717	AA	GG	1940520619
SNP_P1_248620_27024	NW_004517348.1	Scaffold2382	27024	TT	AA	1940520621
SNP_P1_248621_28141	NW_004517348.1	Scaffold2382	28141	GG	AA	1940520624
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SNP_P1_248623_28291	NW_004517348.1	Scaffold2382	28291	GG	AA	1940520628
SNP_P1_248624_28297	NW_004517348.1	Scaffold2382	28297	TT	AA	1940520630
SNP_P1_248625_28301	NW_004517348.1	Scaffold2382	28301	TT	CC	1940520632
SNP_P1_248626_28495	NW_004517348.1	Scaffold2382	28495	CC	TT	1940520634
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SNP_P1_248628_321	NW_004517349.1	Scaffold2383	321	GG	AA	1940520638
SNP_P1_248629_363	NW_004517349.1	Scaffold2383	363	CC	AA	1940520640
SNP_P1_248630_476	NW_004517349.1	Scaffold2383	476	GG	TT	1940520643
SNP_P1_248631_2259	NW_004517350.1	Scaffold2385	2259	TT	GG	1940520645
SNP_P1_248632_2274	NW_004517350.1	Scaffold2385	2274	TT	CC	1940520647
SNP_P1_248633_2298	NW_004517350.1	Scaffold2385	2298	GG	AA	1940520649
SNP_P1_248634_2312	NW_004517350.1	Scaffold2385	2312	CC	TT	1940520651

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_248635_2337	NW_004517350.1	Scaffold2385	2337	AA	CC	1940520653
SNP_P1_248636_2393	NW_004517350.1	Scaffold2385	2393	CC	AA	1940520655
SNP_P1_248637_2418	NW_004517350.1	Scaffold2385	2418	CC	TT	1940520657
SNP_P1_248638_2724	NW_004517350.1	Scaffold2385	2724	GG	AA	1940520659
SNP_P1_248639_2818	NW_004517350.1	Scaffold2385	2818	GG	AA	1940520662
SNP_P1_248640_2987	NW_004517350.1	Scaffold2385	2987	CC	TT	1940520664
SNP_P1_248641_2993	NW_004517350.1	Scaffold2385	2993	GG	AA	1940520666
SNP_P1_248642_3415	NW_004517350.1	Scaffold2385	3415	GG	AA	1940520668
SNP_P1_248643_3419	NW_004517350.1	Scaffold2385	3419	TT	CC	1940520670
SNP_P1_248644_3476	NW_004517350.1	Scaffold2385	3476	TT	AA	1940520672
SNP_P1_248645_3588	NW_004517350.1	Scaffold2385	3588	AA	GG	1940520674
SNP_P1_248646_3696	NW_004517350.1	Scaffold2385	3696	AA	CC	1940520676
SNP_P1_248649_5885	NW_004517350.1	Scaffold2385	5885	TT	CC	1940520678
SNP_P1_248650_2375	NW_004517351.1	Scaffold2386	2375	AA	GG	1940520680
SNP_P1_248651_2441	NW_004517351.1	Scaffold2386	2441	CC	TT	1940520683
SNP_P1_248652_2607	NW_004517351.1	Scaffold2386	2607	AA	GG	1940520685
SNP_P1_248653_44499	NW_004517351.1	Scaffold2386	44499	AA	GG	1940520687
SNP_P1_248654_44663	NW_004517351.1	Scaffold2386	44663	GG	AA	1940520689
SNP_P1_248655_54232	NW_004517351.1	Scaffold2386	54232	AA	TT	1940520691
SNP_P1_248656_59654	NW_004517351.1	Scaffold2386	59654	CC	GG	1940520693
SNP_P1_248657_74265	NW_004517351.1	Scaffold2386	74265	TT	CC	1940520695
SNP_P1_248658_95474	NW_004517351.1	Scaffold2386	95474	TT	AA	1940520697
SNP_P1_248659_106175	NW_004517351.1	Scaffold2386	106175	TT	CC	1940520699
SNP_P1_248660_106189	NW_004517351.1	Scaffold2386	106189	AA	GG	1940520702
SNP_P1_248661_116823	NW_004517351.1	Scaffold2386	116823	TT	CC	1940520704
SNP_P1_248663_137882	NW_004517351.1	Scaffold2386	137882	TT	CC	1940520706
SNP_P1_248664_145457	NW_004517351.1	Scaffold2386	145457	CC	TT	1940520708
SNP_P1_248665_173344	NW_004517351.1	Scaffold2386	173344	TT	CC	1940520710
SNP_P1_248666_173357	NW_004517351.1	Scaffold2386	173357	CC	AA	1940520712
SNP_P1_248667_173400	NW_004517351.1	Scaffold2386	173400	TT	AA	1940520714
SNP_P1_248668_177126	NW_004517351.1	Scaffold2386	177126	AA	GG	1940520716
SNP_P1_248669_178774	NW_004517351.1	Scaffold2386	178774	CC	GG	1940520718
SNP_P1_248670_178796	NW_004517351.1	Scaffold2386	178796	AA	GG	1940520721
SNP_P1_248671_178805	NW_004517351.1	Scaffold2386	178805	AA	GG	1940520723
SNP_P1_248672_178809	NW_004517351.1	Scaffold2386	178809	TT	CC	1940520725
SNP_P1_248673_178811	NW_004517351.1	Scaffold2386	178811	AA	TT	1940520727
SNP_P1_248674_178818	NW_004517351.1	Scaffold2386	178818	TT	CC	1940520729
SNP_P1_248675_178873	NW_004517351.1	Scaffold2386	178873	TT	GG	1940520731
SNP_P1_248676_179107	NW_004517351.1	Scaffold2386	179107	TT	CC	1940520733
SNP_P1_248677_179145	NW_004517351.1	Scaffold2386	179145	CC	TT	1940520735
SNP_P1_248678_179149	NW_004517351.1	Scaffold2386	179149	CC	GG	1940520737
SNP_P1_248679_179153	NW_004517351.1	Scaffold2386	179153	AA	CC	1940520740

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248681_186626	NW_004517351.1	Scaffold2386	186626	GG	AA	1940520744
SNP_P1_248682_186992	NW_004517351.1	Scaffold2386	186992	TT	CC	1940520746
SNP_P1_248683_193951	NW_004517351.1	Scaffold2386	193951	AA	GG	1940520748
SNP_P1_248684_196852	NW_004517351.1	Scaffold2386	196852	AA	GG	1940520750
SNP_P1_248685_197012	NW_004517351.1	Scaffold2386	197012	TT	GG	1940520752
SNP_P1_248686_197036	NW_004517351.1	Scaffold2386	197036	TT	CC	1940520754
SNP_P1_248687_197229	NW_004517351.1	Scaffold2386	197229	TT	CC	1940520756
SNP_P1_248688_197815	NW_004517351.1	Scaffold2386	197815	CC	AA	1940520759
SNP_P1_248689_197817	NW_004517351.1	Scaffold2386	197817	AA	TT	1940520761
SNP_P1_248690_213183	NW_004517351.1	Scaffold2386	213183	GG	AA	1940520763
SNP_P1_248691_213293	NW_004517351.1	Scaffold2386	213293	AA	GG	1940520765
SNP_P1_248692_213781	NW_004517351.1	Scaffold2386	213781	CC	TT	1940520767
SNP_P1_248693_213782	NW_004517351.1	Scaffold2386	213782	GG	AA	1940520769
SNP_P1_248694_214138	NW_004517351.1	Scaffold2386	214138	CC	TT	1940520771
SNP_P1_248695_214224	NW_004517351.1	Scaffold2386	214224	AA	GG	1940520773
SNP_P1_248696_214299	NW_004517351.1	Scaffold2386	214299	GG	CC	1940520775
SNP_P1_248697_5824	NW_004517352.1	Scaffold2388	5824	AA	GG	1940520777
SNP_P1_248698_6945	NW_004517352.1	Scaffold2388	6945	AA	GG	1940520780
SNP_P1_248699_7548	NW_004517352.1	Scaffold2388	7548	AA	GG	1940520782
SNP_P1_248700_7643	NW_004517352.1	Scaffold2388	7643	TT	GG	1940520784
SNP_P1_248701_7664	NW_004517352.1	Scaffold2388	7664	AA	GG	1940520786
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SNP_P1_248703_8010	NW_004517352.1	Scaffold2388	8010	CC	TT	1940520790
SNP_P1_248704_8014	NW_004517352.1	Scaffold2388	8014	AA	GG	1940520792
SNP_P1_248705_14736	NW_004517352.1	Scaffold2388	14736	GG	AA	1940520794
SNP_P1_248706_27769	NW_004517352.1	Scaffold2388	27769	TT	GG	1940520796
SNP_P1_248707_32713	NW_004517352.1	Scaffold2388	32713	TT	AA	1940520799
SNP_P1_248708_41460	NW_004517352.1	Scaffold2388	41460	TT	AA	1940520801
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SNP_P1_248710_49610	NW_004517352.1	Scaffold2388	49610	TT	GG	1940520805
SNP_P1_248711_13058	NW_004517353.1	Scaffold2389	13058	AA	TT	1940520807
SNP_P1_248712_13060	NW_004517353.1	Scaffold2389	13060	AA	GG	1940520809
SNP_P1_248713_17739	NW_004517353.1	Scaffold2389	17739	AA	TT	1940520811
SNP_P1_248714_17747	NW_004517353.1	Scaffold2389	17747	CC	GG	1940520813
SNP_P1_248715_377	NW_004517355.1	Scaffold2392	377	CC	TT	1940520815
SNP_P1_248716_1168	NW_004517355.1	Scaffold2392	1168	TT	CC	1940520818
SNP_P1_248717_1515	NW_004517355.1	Scaffold2392	1515	AA	CC	1940520820
SNP_P1_248718_1519	NW_004517355.1	Scaffold2392	1519	AA	GG	1940520822
SNP_P1_248719_1588	NW_004517355.1	Scaffold2392	1588	TT	AA	1940520824
SNP_P1_248720_1609	NW_004517355.1	Scaffold2392	1609	AA	CC	1940520826
SNP_P1_248721_1760	NW_004517355.1	Scaffold2392	1760	AA	CC	1940520828

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248725_10908	NW_004517355.1	Scaffold2392	10908	GG	AA	1940520832
SNP_P1_248726_10981	NW_004517355.1	Scaffold2392	10981	CC	TT	1940520834
SNP_P1_248727_11214	NW_004517355.1	Scaffold2392	11214	CC	GG	1940520837
SNP_P1_248728_11327	NW_004517355.1	Scaffold2392	11327	TT	GG	1940520839
SNP_P1_248729_17806	NW_004517355.1	Scaffold2392	17806	CC	TT	1940520841
SNP_P1_248730_17812	NW_004517355.1	Scaffold2392	17812	TT	CC	1940520843
SNP_P1_248731_17860	NW_004517355.1	Scaffold2392	17860	GG	CC	1940520845
SNP_P1_248732_18007	NW_004517355.1	Scaffold2392	18007	GG	CC	1940520847
SNP_P1_248734_18113	NW_004517355.1	Scaffold2392	18113	AA	TT	1940520849
SNP_P1_248735_18795	NW_004517355.1	Scaffold2392	18795	CC	TT	1940520851
SNP_P1_248736_18797	NW_004517355.1	Scaffold2392	18797	TT	GG	1940520853
SNP_P1_248737_18811	NW_004517355.1	Scaffold2392	18811	TT	AA	1940520855
SNP_P1_248738_18866	NW_004517355.1	Scaffold2392	18866	AA	GG	1940520857
SNP_P1_248739_18873	NW_004517355.1	Scaffold2392	18873	TT	CC	1940520859
SNP_P1_248740_18900	NW_004517355.1	Scaffold2392	18900	TT	CC	1940520861
SNP_P1_248741_18950	NW_004517355.1	Scaffold2392	18950	AA	GG	1940520864
SNP_P1_248742_19080	NW_004517355.1	Scaffold2392	19080	TT	AA	1940520866
SNP_P1_248743_19455	NW_004517355.1	Scaffold2392	19455	TT	AA	1940520868
SNP_P1_248744_19543	NW_004517355.1	Scaffold2392	19543	GG	TT	1940520870
SNP_P1_248745_19592	NW_004517355.1	Scaffold2392	19592	GG	AA	1940520872
SNP_P1_248746_19629	NW_004517355.1	Scaffold2392	19629	AA	TT	1940520874
SNP_P1_248747_19702	NW_004517355.1	Scaffold2392	19702	AA	TT	1940520876
SNP_P1_248748_19733	NW_004517355.1	Scaffold2392	19733	GG	CC	1940520878
SNP_P1_248750_21601	NW_004517355.1	Scaffold2392	21601	CC	GG	1940520881
SNP_P1_248751_21618	NW_004517355.1	Scaffold2392	21618	AA	GG	1940520883
SNP_P1_248752_61082	NW_004517355.1	Scaffold2392	61082	GG	CC	1940520885
SNP_P1_248753_61084	NW_004517355.1	Scaffold2392	61084	AA	CC	1940520887
SNP_P1_248754_61088	NW_004517355.1	Scaffold2392	61088	GG	AA	1940520889
SNP_P1_248757_84235	NW_004517355.1	Scaffold2392	84235	AA	TT	1940520891
SNP_P1_248758_84237	NW_004517355.1	Scaffold2392	84237	AA	TT	1940520893
SNP_P1_248759_96360	NW_004517355.1	Scaffold2392	96360	TT	GG	1940520895
SNP_P1_248760_96376	NW_004517355.1	Scaffold2392	96376	CC	AA	1940520897
SNP_P1_248761_96690	NW_004517355.1	Scaffold2392	96690	TT	AA	1940520900
SNP_P1_248762_96920	NW_004517355.1	Scaffold2392	96920	GG	AA	1940520902
SNP_P1_248763_155064	NW_004517355.1	Scaffold2392	155064	CC	AA	1940520904
SNP_P1_248764_165876	NW_004517355.1	Scaffold2392	165876	TT	CC	1940520906
SNP_P1_248765_166195	NW_004517355.1	Scaffold2392	166195	CC	TT	1940520908
SNP_P1_248766_166531	NW_004517355.1	Scaffold2392	166531	TT	CC	1940520910
SNP_P1_248767_169371	NW_004517355.1	Scaffold2392	169371	TT	CC	1940520912
SNP_P1_248768_190520	NW_004517355.1	Scaffold2392	190520	AA	GG	1940520914
SNP_P1_248769_193345	NW_004517355.1	Scaffold2392	193345	CC	TT	1940520916

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248772_251405	NW_004517355.1	Scaffold2392	251405	TT	CC	1940520921
SNP_P1_248773_280516	NW_004517355.1	Scaffold2392	280516	AA	TT	1940520923
SNP_P1_248774_283586	NW_004517355.1	Scaffold2392	283586	AA	GG	1940520925
SNP_P1_248775_287568	NW_004517355.1	Scaffold2392	287568	AA	GG	1940520927
SNP_P1_248777_322850	NW_004517355.1	Scaffold2392	322850	AA	GG	1940520929
SNP_P1_248778_322865	NW_004517355.1	Scaffold2392	322865	GG	AA	1940520931
SNP_P1_248779_323193	NW_004517355.1	Scaffold2392	323193	GG	CC	1940520933
SNP_P1_248780_323580	NW_004517355.1	Scaffold2392	323580	GG	TT	1940520935
SNP_P1_248782_325998	NW_004517355.1	Scaffold2392	325998	CC	AA	1940520937
SNP_P1_248783_326017	NW_004517355.1	Scaffold2392	326017	TT	GG	1940520940
SNP_P1_248785_326235	NW_004517355.1	Scaffold2392	326235	CC	GG	1940520942
SNP_P1_248786_326260	NW_004517355.1	Scaffold2392	326260	AA	CC	1940520944
SNP_P1_248787_354133	NW_004517355.1	Scaffold2392	354133	AA	GG	1940520946
SNP_P1_248791_354735	NW_004517355.1	Scaffold2392	354735	AA	TT	1940520948
SNP_P1_248792_354893	NW_004517355.1	Scaffold2392	354893	GG	CC	1940520950
SNP_P1_248797_355392	NW_004517355.1	Scaffold2392	355392	TT	AA	1940520952
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SNP_P1_248800_368	NW_004517356.1	Scaffold2394	368	GG	CC	1940520959
SNP_P1_248801_406	NW_004517356.1	Scaffold2394	406	CC	GG	1940520961
SNP_P1_248802_2398	NW_004517356.1	Scaffold2394	2398	AA	CC	1940520963
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SNP_P1_248806_3807	NW_004517356.1	Scaffold2394	3807	GG	AA	1940520971
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SNP_P1_248808_4607	NW_004517356.1	Scaffold2394	4607	CC	TT	1940520975
SNP_P1_248809_1813	NW_004517358.1	Scaffold2396	1813	AA	CC	1940520978
SNP_P1_248810_424	NW_004517359.1	Scaffold2397	424	GG	CC	1940520980
SNP_P1_248811_581	NW_004517359.1	Scaffold2397	581	GG	AA	1940520982
SNP_P1_248812_587	NW_004517359.1	Scaffold2397	587	CC	AA	1940520984
SNP_P1_248813_768	NW_004517359.1	Scaffold2397	768	GG	CC	1940520986
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SNP_P1_248815_1136	NW_004517359.1	Scaffold2397	1136	CC	GG	1940520990
SNP_P1_248816_2612	NW_004517359.1	Scaffold2397	2612	TT	CC	1940520992
SNP_P1_248817_64	NW_004517362.1	Scaffold2402	64	TT	GG	1940520994
SNP_P1_248818_65	NW_004517362.1	Scaffold2402	65	TT	AA	1940520996
SNP_P1_248821_3934	NW_004517365.1	Scaffold2408	3934	TT	AA	1940520999
SNP_P1_248822_4029	NW_004517365.1	Scaffold2408	4029	GG	AA	1940521001
SNP_P1_248824_4053	NW_004517365.1	Scaffold2408	4053	TT	CC	1940521003
SNP_P1_248825_4054	NW_004517365.1	Scaffold2408	4054	TT	CC	1940521005

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248828_4416	NW_004517365.1	Scaffold2408	4416	AA	CC	1940521011
SNP_P1_248829_558	NW_004517366.1	Scaffold2409	558	GG	AA	1940521013
SNP_P1_248830_578	NW_004517367.1	Scaffold2410	578	GG	AA	1940521015
SNP_P1_248831_7280	NW_004517367.1	Scaffold2410	7280	CC	GG	1940521018
SNP_P1_248832_7540	NW_004517367.1	Scaffold2410	7540	AA	TT	1940521020
SNP_P1_248833_7597	NW_004517367.1	Scaffold2410	7597	CC	AA	1940521022
SNP_P1_248834_7617	NW_004517367.1	Scaffold2410	7617	AA	GG	1940521024
SNP_P1_248835_7622	NW_004517367.1	Scaffold2410	7622	AA	GG	1940521026
SNP_P1_248836_7647	NW_004517367.1	Scaffold2410	7647	TT	AA	1940521028
SNP_P1_248837_7698	NW_004517367.1	Scaffold2410	7698	AA	TT	1940521030
SNP_P1_248838_7757	NW_004517367.1	Scaffold2410	7757	TT	CC	1940521032
SNP_P1_248839_7955	NW_004517367.1	Scaffold2410	7955	GG	TT	1940521034
SNP_P1_248840_8044	NW_004517367.1	Scaffold2410	8044	TT	CC	1940521037
SNP_P1_248841_9791	NW_004517367.1	Scaffold2410	9791	AA	CC	1940521039
SNP_P1_248842_12242	NW_004517367.1	Scaffold2410	12242	AA	GG	1940521041
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SNP_P1_248850_16316	NW_004517367.1	Scaffold2410	16316	TT	CC	1940521058
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SNP_P1_248852_33042	NW_004517367.1	Scaffold2410	33042	AA	CC	1940521062
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SNP_P1_248856_8919	NW_004517369.1	Scaffold2412	8919	AA	GG	1940521070
SNP_P1_248857_9232	NW_004517369.1	Scaffold2412	9232	CC	TT	1940521072
SNP_P1_248858_9247	NW_004517369.1	Scaffold2412	9247	AA	CC	1940521075
SNP_P1_248859_9292	NW_004517369.1	Scaffold2412	9292	CC	AA	1940521077
SNP_P1_248860_9321	NW_004517369.1	Scaffold2412	9321	AA	CC	1940521079
SNP_P1_248861_11599	NW_004517369.1	Scaffold2412	11599	AA	GG	1940521081
SNP_P1_248862_11601	NW_004517369.1	Scaffold2412	11601	AA	CC	1940521083
SNP_P1_248863_12642	NW_004517369.1	Scaffold2412	12642	AA	CC	1940521085
SNP_P1_248864_12836	NW_004517369.1	Scaffold2412	12836	TT	CC	1940521087
SNP_P1_248865_12864	NW_004517369.1	Scaffold2412	12864	TT	CC	1940521089
SNP_P1_248866_12866	NW_004517369.1	Scaffold2412	12866	GG	AA	1940521091
SNP_P1_248867_13065	NW_004517369.1	Scaffold2412	13065	AA	GG	1940521093

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248870_19481	NW_004517369.1	Scaffold2412	19481	AA	GG	1940521100
SNP_P1_248871_19516	NW_004517369.1	Scaffold2412	19516	AA	GG	1940521102
SNP_P1_248872_26839	NW_004517369.1	Scaffold2412	26839	AA	CC	1940521104
SNP_P1_248873_34381	NW_004517369.1	Scaffold2412	34381	AA	CC	1940521106
SNP_P1_248874_46553	NW_004517369.1	Scaffold2412	46553	TT	AA	1940521108
SNP_P1_248875_55296	NW_004517369.1	Scaffold2412	55296	GG	CC	1940521110
SNP_P1_248876_55519	NW_004517369.1	Scaffold2412	55519	CC	TT	1940521112
SNP_P1_248877_61290	NW_004517369.1	Scaffold2412	61290	TT	GG	1940521115
SNP_P1_248878_64258	NW_004517369.1	Scaffold2412	64258	AA	GG	1940521117
SNP_P1_248879_66965	NW_004517369.1	Scaffold2412	66965	CC	GG	1940521119
SNP_P1_248880_67011	NW_004517369.1	Scaffold2412	67011	TT	CC	1940521121
SNP_P1_248881_67018	NW_004517369.1	Scaffold2412	67018	CC	GG	1940521123
SNP_P1_248882_159	NW_004517370.1	Scaffold2413	159	TT	GG	1940521125
SNP_P1_248883_500	NW_004517370.1	Scaffold2413	500	AA	GG	1940521127
SNP_P1_248884_12150	NW_004517370.1	Scaffold2413	12150	CC	AA	1940521129
SNP_P1_248885_12575	NW_004517370.1	Scaffold2413	12575	TT	GG	1940521131
SNP_P1_248886_12584	NW_004517370.1	Scaffold2413	12584	AA	TT	1940521134
SNP_P1_248887_12778	NW_004517370.1	Scaffold2413	12778	GG	TT	1940521136
SNP_P1_248888_12791	NW_004517370.1	Scaffold2413	12791	AA	TT	1940521138
SNP_P1_248889_12934	NW_004517370.1	Scaffold2413	12934	AA	GG	1940521140
SNP_P1_248890_17084	NW_004517370.1	Scaffold2413	17084	GG	TT	1940521142
SNP_P1_248891_173	NW_004517371.1	Scaffold2415	173	CC	TT	1940521144
SNP_P1_248892_176	NW_004517371.1	Scaffold2415	176	AA	GG	1940521146
SNP_P1_248893_187	NW_004517371.1	Scaffold2415	187	TT	CC	1940521148
SNP_P1_248894_221	NW_004517371.1	Scaffold2415	221	TT	CC	1940521150
SNP_P1_248895_258	NW_004517371.1	Scaffold2415	258	GG	AA	1940521153
SNP_P1_248896_558	NW_004517371.1	Scaffold2415	558	TT	CC	1940521155
SNP_P1_248897_620	NW_004517371.1	Scaffold2415	620	CC	TT	1940521157
SNP_P1_248898_627	NW_004517371.1	Scaffold2415	627	TT	CC	1940521159
SNP_P1_248899_711	NW_004517371.1	Scaffold2415	711	GG	AA	1940521161
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SNP_P1_248903_73099	NW_004517371.1	Scaffold2415	73099	GG	AA	1940521167
SNP_P1_248904_73131	NW_004517371.1	Scaffold2415	73131	CC	TT	1940521169
SNP_P1_248905_81082	NW_004517371.1	Scaffold2415	81082	GG	TT	1940521172
SNP_P1_248906_86168	NW_004517371.1	Scaffold2415	86168	GG	AA	1940521174
SNP_P1_248907_88670	NW_004517371.1	Scaffold2415	88670	AA	GG	1940521176
SNP_P1_248908_88671	NW_004517371.1	Scaffold2415	88671	AA	GG	1940521178
SNP_P1_248909_88970	NW_004517371.1	Scaffold2415	88970	TT	CC	1940521180
SNP_P1_248910_88977	NW_004517371.1	Scaffold2415	88977	TT	CC	1940521182

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248912_89002	NW_004517371.1	Scaffold2415	89002	AA	GG	1940521186
SNP_P1_248913_102476	NW_004517371.1	Scaffold2415	102476	TT	CC	1940521188
SNP_P1_248914_105459	NW_004517371.1	Scaffold2415	105459	TT	CC	1940521191
SNP_P1_248915_107505	NW_004517371.1	Scaffold2415	107505	GG	AA	1940521193
SNP_P1_248918_133	NW_004517374.1	Scaffold2420	133	GG	AA	1940521195
SNP_P1_248920_7885	NW_004517375.1	Scaffold2421	7885	TT	AA	1940521197
SNP_P1_248921_8079	NW_004517375.1	Scaffold2421	8079	AA	GG	1940521199
SNP_P1_248922_8411	NW_004517375.1	Scaffold2421	8411	AA	TT	1940521201
SNP_P1_248923_8416	NW_004517375.1	Scaffold2421	8416	GG	AA	1940521203
SNP_P1_248924_8519	NW_004517375.1	Scaffold2421	8519	TT	CC	1940521205
SNP_P1_248925_8925	NW_004517375.1	Scaffold2421	8925	GG	TT	1940521207
SNP_P1_248926_8927	NW_004517375.1	Scaffold2421	8927	AA	TT	1940521210
SNP_P1_248927_9879	NW_004517375.1	Scaffold2421	9879	AA	GG	1940521212
SNP_P1_248928_12358	NW_004517375.1	Scaffold2421	12358	AA	GG	1940521214
SNP_P1_248929_24442	NW_004517375.1	Scaffold2421	24442	GG	TT	1940521216
SNP_P1_248930_24477	NW_004517375.1	Scaffold2421	24477	TT	CC	1940521218
SNP_P1_248931_24715	NW_004517375.1	Scaffold2421	24715	CC	AA	1940521220
SNP_P1_248932_24720	NW_004517375.1	Scaffold2421	24720	GG	AA	1940521222
SNP_P1_248933_24721	NW_004517375.1	Scaffold2421	24721	CC	AA	1940521224
SNP_P1_248934_24723	NW_004517375.1	Scaffold2421	24723	GG	TT	1940521226
SNP_P1_248935_24725	NW_004517375.1	Scaffold2421	24725	GG	TT	1940521229
SNP_P1_248936_24732	NW_004517375.1	Scaffold2421	24732	GG	AA	1940521231
SNP_P1_248937_24735	NW_004517375.1	Scaffold2421	24735	TT	CC	1940521233
SNP_P1_248938_24823	NW_004517375.1	Scaffold2421	24823	AA	GG	1940521235
SNP_P1_248939_24843	NW_004517375.1	Scaffold2421	24843	TT	CC	1940521237
SNP_P1_248940_24919	NW_004517375.1	Scaffold2421	24919	CC	GG	1940521239
SNP_P1_248941_24923	NW_004517375.1	Scaffold2421	24923	TT	CC	1940521241
SNP_P1_248942_25154	NW_004517375.1	Scaffold2421	25154	TT	CC	1940521243
SNP_P1_248944_25212	NW_004517375.1	Scaffold2421	25212	CC	AA	1940521245
SNP_P1_248945_25239	NW_004517375.1	Scaffold2421	25239	TT	AA	1940521248
SNP_P1_248946_25396	NW_004517375.1	Scaffold2421	25396	CC	AA	1940521250
SNP_P1_248947_25527	NW_004517375.1	Scaffold2421	25527	CC	AA	1940521252
SNP_P1_248948_33740	NW_004517375.1	Scaffold2421	33740	AA	GG	1940521254
SNP_P1_248949_33742	NW_004517375.1	Scaffold2421	33742	AA	GG	1940521256
SNP_P1_248950_33789	NW_004517375.1	Scaffold2421	33789	GG	AA	1940521258
SNP_P1_248951_34315	NW_004517375.1	Scaffold2421	34315	TT	CC	1940521260
SNP_P1_248952_34345	NW_004517375.1	Scaffold2421	34345	GG	AA	1940521262
SNP_P1_248953_34347	NW_004517375.1	Scaffold2421	34347	AA	CC	1940521264
SNP_P1_248954_34403	NW_004517375.1	Scaffold2421	34403	TT	AA	1940521267
SNP_P1_248955_34411	NW_004517375.1	Scaffold2421	34411	CC	GG	1940521269
SNP_P1_248956_34517	NW_004517375.1	Scaffold2421	34517	TT	AA	1940521271

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_248959_34843	NW_004517375.1	Scaffold2421	34843	CC	GG	1940521277
SNP_P1_248960_34845	NW_004517375.1	Scaffold2421	34845	CC	GG	1940521279
SNP_P1_248961_39827	NW_004517375.1	Scaffold2421	39827	AA	GG	1940521281
SNP_P1_248962_39829	NW_004517375.1	Scaffold2421	39829	AA	CC	1940521283
SNP_P1_248963_39832	NW_004517375.1	Scaffold2421	39832	AA	GG	1940521286
SNP_P1_248964_39836	NW_004517375.1	Scaffold2421	39836	CC	AA	1940521288
SNP_P1_248965_40198	NW_004517375.1	Scaffold2421	40198	TT	CC	1940521290
SNP_P1_248966_40199	NW_004517375.1	Scaffold2421	40199	CC	AA	1940521292
SNP_P1_248967_40288	NW_004517375.1	Scaffold2421	40288	CC	TT	1940521294
SNP_P1_248968_40305	NW_004517375.1	Scaffold2421	40305	GG	AA	1940521296
SNP_P1_248969_40379	NW_004517375.1	Scaffold2421	40379	TT	CC	1940521298
SNP_P1_248970_40407	NW_004517375.1	Scaffold2421	40407	TT	CC	1940521300
SNP_P1_248971_40451	NW_004517375.1	Scaffold2421	40451	GG	AA	1940521302
SNP_P1_248972_40746	NW_004517375.1	Scaffold2421	40746	CC	TT	1940521305
SNP_P1_248973_44603	NW_004517375.1	Scaffold2421	44603	CC	AA	1940521307
SNP_P1_248974_46525	NW_004517375.1	Scaffold2421	46525	AA	GG	1940521309
SNP_P1_248975_46567	NW_004517375.1	Scaffold2421	46567	CC	GG	1940521311
SNP_P1_248976_46584	NW_004517375.1	Scaffold2421	46584	GG	AA	1940521313
SNP_P1_248977_46647	NW_004517375.1	Scaffold2421	46647	CC	TT	1940521315
SNP_P1_248978_47457	NW_004517375.1	Scaffold2421	47457	AA	GG	1940521317
SNP_P1_248979_47638	NW_004517375.1	Scaffold2421	47638	AA	CC	1940521319
SNP_P1_248980_47655	NW_004517375.1	Scaffold2421	47655	TT	AA	1940521321
SNP_P1_248981_48406	NW_004517375.1	Scaffold2421	48406	TT	CC	1940521324
SNP_P1_248982_48511	NW_004517375.1	Scaffold2421	48511	CC	TT	1940521326
SNP_P1_248983_48748	NW_004517375.1	Scaffold2421	48748	AA	TT	1940521328
SNP_P1_248984_48774	NW_004517375.1	Scaffold2421	48774	CC	AA	1940521330
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SNP_P1_248986_48859	NW_004517375.1	Scaffold2421	48859	CC	GG	1940521334
SNP_P1_248987_48876	NW_004517375.1	Scaffold2421	48876	GG	TT	1940521336
SNP_P1_248988_48893	NW_004517375.1	Scaffold2421	48893	CC	TT	1940521338
SNP_P1_248989_48972	NW_004517375.1	Scaffold2421	48972	CC	TT	1940521340
SNP_P1_248990_49149	NW_004517375.1	Scaffold2421	49149	GG	AA	1940521343
SNP_P1_248991_49273	NW_004517375.1	Scaffold2421	49273	TT	CC	1940521345
SNP_P1_248992_49440	NW_004517375.1	Scaffold2421	49440	GG	TT	1940521347
SNP_P1_248993_49444	NW_004517375.1	Scaffold2421	49444	GG	TT	1940521349
SNP_P1_248994_49570	NW_004517375.1	Scaffold2421	49570	GG	AA	1940521351
SNP_P1_248995_49571	NW_004517375.1	Scaffold2421	49571	CC	TT	1940521353
SNP_P1_248996_49575	NW_004517375.1	Scaffold2421	49575	AA	GG	1940521355
SNP_P1_248997_50004	NW_004517375.1	Scaffold2421	50004	CC	TT	1940521357
SNP_P1_248998_50175	NW_004517375.1	Scaffold2421	50175	AA	GG	1940521359

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249000_50300	NW_004517375.1	Scaffold2421	50300	CC	TT	1940521364
SNP_P1_249001_51113	NW_004517375.1	Scaffold2421	51113	CC	AA	1940521366
SNP_P1_249002_54555	NW_004517375.1	Scaffold2421	54555	CC	GG	1940521368
SNP_P1_249005_59201	NW_004517375.1	Scaffold2421	59201	AA	CC	1940521370
SNP_P1_249006_59202	NW_004517375.1	Scaffold2421	59202	CC	TT	1940521372
SNP_P1_249007_59419	NW_004517375.1	Scaffold2421	59419	TT	AA	1940521374
SNP_P1_249008_60199	NW_004517375.1	Scaffold2421	60199	AA	GG	1940521376
SNP_P1_249009_60202	NW_004517375.1	Scaffold2421	60202	CC	TT	1940521378
SNP_P1_249010_60212	NW_004517375.1	Scaffold2421	60212	CC	TT	1940521381
SNP_P1_249011_60229	NW_004517375.1	Scaffold2421	60229	TT	AA	1940521383
SNP_P1_249012_60418	NW_004517375.1	Scaffold2421	60418	TT	CC	1940521385
SNP_P1_249013_60462	NW_004517375.1	Scaffold2421	60462	AA	CC	1940521387
SNP_P1_249014_60465	NW_004517375.1	Scaffold2421	60465	TT	AA	1940521389
SNP_P1_249015_60467	NW_004517375.1	Scaffold2421	60467	TT	AA	1940521391
SNP_P1_249016_60468	NW_004517375.1	Scaffold2421	60468	TT	CC	1940521393
SNP_P1_249017_60471	NW_004517375.1	Scaffold2421	60471	AA	GG	1940521395
SNP_P1_249018_60543	NW_004517375.1	Scaffold2421	60543	CC	TT	1940521397
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SNP_P1_249023_60832	NW_004517375.1	Scaffold2421	60832	CC	TT	1940521408
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SNP_P1_249030_367	NW_004517381.1	Scaffold2431	367	GG	AA	1940521423
SNP_P1_249031_1464	NW_004517383.1	Scaffold2433	1464	AA	CC	1940521425
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SNP_P1_249033_1725	NW_004517383.1	Scaffold2433	1725	TT	CC	1940521429
SNP_P1_249034_1935	NW_004517383.1	Scaffold2433	1935	AA	GG	1940521432
SNP_P1_249035_2014	NW_004517383.1	Scaffold2433	2014	AA	GG	1940521434
SNP_P1_249036_2145	NW_004517383.1	Scaffold2433	2145	AA	GG	1940521436
SNP_P1_249037_2344	NW_004517383.1	Scaffold2433	2344	CC	AA	1940521438
SNP_P1_249038_2346	NW_004517383.1	Scaffold2433	2346	AA	CC	1940521440
SNP_P1_249039_2458	NW_004517383.1	Scaffold2433	2458	CC	TT	1940521442
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SNP_P1_249044_5021	NW_004517383.1	Scaffold2433	5021	AA	TT	1940521448

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249047_9333	NW_004517383.1	Scaffold2433	9333	TT	CC	1940521455
SNP_P1_249048_9755	NW_004517383.1	Scaffold2433	9755	GG	TT	1940521457
SNP_P1_249049_9800	NW_004517383.1	Scaffold2433	9800	AA	GG	1940521459
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SNP_P1_249053_16701	NW_004517383.1	Scaffold2433	16701	TT	CC	1940521468
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SNP_P1_249055_16761	NW_004517383.1	Scaffold2433	16761	CC	TT	1940521472
SNP_P1_249056_16782	NW_004517383.1	Scaffold2433	16782	AA	GG	1940521474
SNP_P1_249057_16795	NW_004517383.1	Scaffold2433	16795	CC	TT	1940521476
SNP_P1_249058_16830	NW_004517383.1	Scaffold2433	16830	AA	GG	1940521478
SNP_P1_249059_16878	NW_004517383.1	Scaffold2433	16878	CC	TT	1940521480
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SNP_P1_249062_17062	NW_004517383.1	Scaffold2433	17062	AA	GG	1940521487
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SNP_P1_249064_17111	NW_004517383.1	Scaffold2433	17111	TT	GG	1940521491
SNP_P1_249065_17112	NW_004517383.1	Scaffold2433	17112	CC	TT	1940521493
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SNP_P1_249070_6789	NW_004517384.1	Scaffold2434	6789	AA	TT	1940521503
SNP_P1_249071_6818	NW_004517384.1	Scaffold2434	6818	TT	CC	1940521506
SNP_P1_249073_7133	NW_004517384.1	Scaffold2434	7133	CC	AA	1940521508
SNP_P1_249074_13031	NW_004517384.1	Scaffold2434	13031	CC	TT	1940521510
SNP_P1_249075_13033	NW_004517384.1	Scaffold2434	13033	AA	TT	1940521512
SNP_P1_249076_13054	NW_004517384.1	Scaffold2434	13054	TT	CC	1940521514
SNP_P1_249077_13056	NW_004517384.1	Scaffold2434	13056	GG	AA	1940521516
SNP_P1_249078_13642	NW_004517384.1	Scaffold2434	13642	AA	TT	1940521518
SNP_P1_249079_13648	NW_004517384.1	Scaffold2434	13648	TT	GG	1940521520
SNP_P1_249080_13738	NW_004517384.1	Scaffold2434	13738	TT	GG	1940521522
SNP_P1_249081_14023	NW_004517384.1	Scaffold2434	14023	TT	GG	1940521524
SNP_P1_249082_15241	NW_004517384.1	Scaffold2434	15241	TT	CC	1940521527
SNP_P1_249083_15789	NW_004517384.1	Scaffold2434	15789	AA	TT	1940521529
SNP_P1_249084_15973	NW_004517384.1	Scaffold2434	15973	TT	GG	1940521531
SNP_P1_249085_17996	NW_004517384.1	Scaffold2434	17996	CC	TT	1940521533
SNP_P1_249086_18001	NW_004517384.1	Scaffold2434	18001	GG	AA	1940521535
SNP_P1_249087_18089	NW_004517384.1	Scaffold2434	18089	TT	CC	1940521537

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249089_18346	NW_004517384.1	Scaffold2434	18346	CC	TT	1940521541
SNP_P1_249090_18472	NW_004517384.1	Scaffold2434	18472	CC	TT	1940521544
SNP_P1_249091_28794	NW_004517384.1	Scaffold2434	28794	CC	TT	1940521546
SNP_P1_249092_28811	NW_004517384.1	Scaffold2434	28811	GG	TT	1940521548
SNP_P1_249093_29448	NW_004517384.1	Scaffold2434	29448	TT	AA	1940521550
SNP_P1_249094_29472	NW_004517384.1	Scaffold2434	29472	TT	GG	1940521552
SNP_P1_249095_29490	NW_004517384.1	Scaffold2434	29490	AA	TT	1940521554
SNP_P1_249096_29611	NW_004517384.1	Scaffold2434	29611	TT	GG	1940521556
SNP_P1_249097_29634	NW_004517384.1	Scaffold2434	29634	AA	GG	1940521558
SNP_P1_249098_29694	NW_004517384.1	Scaffold2434	29694	TT	CC	1940521560
SNP_P1_249099_29700	NW_004517384.1	Scaffold2434	29700	TT	CC	1940521562
SNP_P1_249100_29727	NW_004517384.1	Scaffold2434	29727	TT	CC	1940521565
SNP_P1_249101_29914	NW_004517384.1	Scaffold2434	29914	CC	TT	1940521567
SNP_P1_249102_36818	NW_004517384.1	Scaffold2434	36818	TT	GG	1940521569
SNP_P1_249103_36874	NW_004517384.1	Scaffold2434	36874	CC	TT	1940521571
SNP_P1_249104_37050	NW_004517384.1	Scaffold2434	37050	AA	GG	1940521573
SNP_P1_249105_37092	NW_004517384.1	Scaffold2434	37092	GG	AA	1940521575
SNP_P1_249106_37105	NW_004517384.1	Scaffold2434	37105	GG	AA	1940521577
SNP_P1_249107_44876	NW_004517384.1	Scaffold2434	44876	GG	AA	1940521579
SNP_P1_249108_44908	NW_004517384.1	Scaffold2434	44908	TT	AA	1940521581
SNP_P1_249109_44955	NW_004517384.1	Scaffold2434	44955	TT	CC	1940521584
SNP_P1_249110_45084	NW_004517384.1	Scaffold2434	45084	CC	TT	1940521586
SNP_P1_249111_45100	NW_004517384.1	Scaffold2434	45100	AA	TT	1940521588
SNP_P1_249112_45356	NW_004517384.1	Scaffold2434	45356	TT	AA	1940521590
SNP_P1_249113_45399	NW_004517384.1	Scaffold2434	45399	AA	TT	1940521592
SNP_P1_249114_45410	NW_004517384.1	Scaffold2434	45410	TT	AA	1940521594
SNP_P1_249115_45710	NW_004517384.1	Scaffold2434	45710	AA	GG	1940521596
SNP_P1_249116_45745	NW_004517384.1	Scaffold2434	45745	AA	GG	1940521598
SNP_P1_249117_60398	NW_004517384.1	Scaffold2434	60398	TT	CC	1940521600
SNP_P1_249118_60414	NW_004517384.1	Scaffold2434	60414	GG	TT	1940521603
SNP_P1_249119_62854	NW_004517384.1	Scaffold2434	62854	CC	TT	1940521605
SNP_P1_249120_66655	NW_004517384.1	Scaffold2434	66655	GG	AA	1940521607
SNP_P1_249121_70220	NW_004517384.1	Scaffold2434	70220	CC	TT	1940521609
SNP_P1_249122_71522	NW_004517384.1	Scaffold2434	71522	TT	CC	1940521611
SNP_P1_249123_71524	NW_004517384.1	Scaffold2434	71524	AA	GG	1940521613
SNP_P1_249124_71539	NW_004517384.1	Scaffold2434	71539	TT	AA	1940521615
SNP_P1_249125_71545	NW_004517384.1	Scaffold2434	71545	AA	TT	1940521617
SNP_P1_249126_71581	NW_004517384.1	Scaffold2434	71581	AA	TT	1940521619
SNP_P1_249127_71583	NW_004517384.1	Scaffold2434	71583	GG	TT	1940521622
SNP_P1_249128_71629	NW_004517384.1	Scaffold2434	71629	AA	GG	1940521624
SNP_P1_249129_71671	NW_004517384.1	Scaffold2434	71671	TT	GG	1940521626

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249131_72149	NW_004517384.1	Scaffold2434	72149	CC	TT	1940521630
SNP_P1_249132_72165	NW_004517384.1	Scaffold2434	72165	TT	CC	1940521632
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SNP_P1_249135_73221	NW_004517384.1	Scaffold2434	73221	GG	AA	1940521638
SNP_P1_249136_73934	NW_004517384.1	Scaffold2434	73934	AA	TT	1940521641
SNP_P1_249137_73935	NW_004517384.1	Scaffold2434	73935	AA	TT	1940521643
SNP_P1_249138_74763	NW_004517384.1	Scaffold2434	74763	GG	AA	1940521645
SNP_P1_249139_74776	NW_004517384.1	Scaffold2434	74776	TT	GG	1940521647
SNP_P1_249140_75762	NW_004517384.1	Scaffold2434	75762	TT	CC	1940521649
SNP_P1_249141_75893	NW_004517384.1	Scaffold2434	75893	TT	AA	1940521651
SNP_P1_249143_76381	NW_004517384.1	Scaffold2434	76381	CC	TT	1940521653
SNP_P1_249146_76773	NW_004517384.1	Scaffold2434	76773	AA	GG	1940521655
SNP_P1_249147_76785	NW_004517384.1	Scaffold2434	76785	GG	TT	1940521657
SNP_P1_249148_860	NW_004517385.1	Scaffold2435	860	CC	AA	1940521660
SNP_P1_249149_346	NW_004517387.1	Scaffold2439	346	TT	CC	1940521662
SNP_P1_249150_348	NW_004517387.1	Scaffold2439	348	TT	GG	1940521664
SNP_P1_249151_64	NW_004517388.1	Scaffold2440	64	CC	TT	1940521666
SNP_P1_249152_107	NW_004517388.1	Scaffold2440	107	TT	CC	1940521668
SNP_P1_249153_119	NW_004517388.1	Scaffold2440	119	TT	AA	1940521670
SNP_P1_249154_1048	NW_004517388.1	Scaffold2440	1048	AA	CC	1940521672
SNP_P1_249155_1196	NW_004517388.1	Scaffold2440	1196	AA	GG	1940521674
SNP_P1_249156_1207	NW_004517388.1	Scaffold2440	1207	AA	TT	1940521676
SNP_P1_249157_1235	NW_004517388.1	Scaffold2440	1235	TT	CC	1940521678
SNP_P1_249158_3335	NW_004517389.1	Scaffold2441	3335	GG	CC	1940521681
SNP_P1_249159_10051	NW_004517392.1	Scaffold2445	10051	AA	CC	1940521683
SNP_P1_249160_10873	NW_004517392.1	Scaffold2445	10873	CC	TT	1940521685
SNP_P1_249161_10976	NW_004517392.1	Scaffold2445	10976	CC	TT	1940521687
SNP_P1_249162_10989	NW_004517392.1	Scaffold2445	10989	TT	AA	1940521689
SNP_P1_249163_17478	NW_004517392.1	Scaffold2445	17478	GG	AA	1940521691
SNP_P1_249164_20276	NW_004517392.1	Scaffold2445	20276	CC	TT	1940521693
SNP_P1_249165_20283	NW_004517392.1	Scaffold2445	20283	TT	GG	1940521695
SNP_P1_249166_20285	NW_004517392.1	Scaffold2445	20285	TT	CC	1940521697
SNP_P1_249167_20297	NW_004517392.1	Scaffold2445	20297	TT	CC	1940521700
SNP_P1_249168_20298	NW_004517392.1	Scaffold2445	20298	GG	CC	1940521702
SNP_P1_249169_20310	NW_004517392.1	Scaffold2445	20310	TT	AA	1940521704
SNP_P1_249170_20311	NW_004517392.1	Scaffold2445	20311	AA	GG	1940521706
SNP_P1_249171_20313	NW_004517392.1	Scaffold2445	20313	AA	TT	1940521708
SNP_P1_249172_20500	NW_004517392.1	Scaffold2445	20500	TT	AA	1940521710
SNP_P1_249173_20515	NW_004517392.1	Scaffold2445	20515	AA	GG	1940521712
SNP_P1_249174_20650	NW_004517392.1	Scaffold2445	20650	AA	TT	1940521714

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249176_354	NW_004517393.1	Scaffold2446	354	CC	AA	1940521719
SNP_P1_249177_1345	NW_004517393.1	Scaffold2446	1345	TT	CC	1940521721
SNP_P1_249178_1488	NW_004517393.1	Scaffold2446	1488	GG	AA	1940521723
SNP_P1_249179_5151	NW_004517393.1	Scaffold2446	5151	AA	TT	1940521725
SNP_P1_249180_5989	NW_004517393.1	Scaffold2446	5989	AA	TT	1940521727
SNP_P1_249181_6003	NW_004517393.1	Scaffold2446	6003	GG	AA	1940521729
SNP_P1_249182_6023	NW_004517393.1	Scaffold2446	6023	TT	CC	1940521731
SNP_P1_249183_6229	NW_004517393.1	Scaffold2446	6229	CC	AA	1940521733
SNP_P1_249184_6312	NW_004517393.1	Scaffold2446	6312	TT	AA	1940521735
SNP_P1_249185_6347	NW_004517393.1	Scaffold2446	6347	CC	TT	1940521738
SNP_P1_249186_6411	NW_004517393.1	Scaffold2446	6411	AA	TT	1940521740
SNP_P1_249187_6462	NW_004517393.1	Scaffold2446	6462	CC	AA	1940521742
SNP_P1_249188_6466	NW_004517393.1	Scaffold2446	6466	TT	CC	1940521744
SNP_P1_249189_6517	NW_004517393.1	Scaffold2446	6517	AA	CC	1940521746
SNP_P1_249190_6677	NW_004517393.1	Scaffold2446	6677	AA	CC	1940521748
SNP_P1_249191_6696	NW_004517393.1	Scaffold2446	6696	TT	CC	1940521750
SNP_P1_249192_6728	NW_004517393.1	Scaffold2446	6728	TT	GG	1940521752
SNP_P1_249193_6737	NW_004517393.1	Scaffold2446	6737	TT	AA	1940521754
SNP_P1_249194_6756	NW_004517393.1	Scaffold2446	6756	TT	GG	1940521756
SNP_P1_249195_6857	NW_004517393.1	Scaffold2446	6857	GG	AA	1940521759
SNP_P1_249196_6872	NW_004517393.1	Scaffold2446	6872	CC	AA	1940521761
SNP_P1_249197_6984	NW_004517393.1	Scaffold2446	6984	TT	GG	1940521763
SNP_P1_249198_7193	NW_004517393.1	Scaffold2446	7193	TT	GG	1940521765
SNP_P1_249199_7221	NW_004517393.1	Scaffold2446	7221	TT	CC	1940521767
SNP_P1_249201_7291	NW_004517393.1	Scaffold2446	7291	AA	CC	1940521769
SNP_P1_249202_9237	NW_004517393.1	Scaffold2446	9237	CC	TT	1940521771
SNP_P1_249203_10077	NW_004517393.1	Scaffold2446	10077	TT	AA	1940521773
SNP_P1_249204_11233	NW_004517393.1	Scaffold2446	11233	AA	GG	1940521775
SNP_P1_249205_14181	NW_004517393.1	Scaffold2446	14181	GG	CC	1940521778
SNP_P1_249206_706	NW_004517396.1	Scaffold2451	706	AA	CC	1940521780
SNP_P1_249207_722	NW_004517396.1	Scaffold2451	722	AA	GG	1940521782
SNP_P1_249208_1556	NW_004517398.1	Scaffold2456	1556	CC	AA	1940521784
SNP_P1_249209_1566	NW_004517398.1	Scaffold2456	1566	AA	TT	1940521786
SNP_P1_249210_1590	NW_004517398.1	Scaffold2456	1590	GG	AA	1940521788
SNP_P1_249211_1790	NW_004517398.1	Scaffold2456	1790	CC	TT	1940521790
SNP_P1_249212_1800	NW_004517398.1	Scaffold2456	1800	GG	AA	1940521792
SNP_P1_249213_5785	NW_004517398.1	Scaffold2456	5785	AA	TT	1940521794
SNP_P1_249214_1777	NW_004517400.1	Scaffold2458	1777	CC	TT	1940521797
SNP_P1_249215_1796	NW_004517400.1	Scaffold2458	1796	AA	TT	1940521799
SNP_P1_249216_20092	NW_004517401.1	Scaffold2459	20092	CC	TT	1940521801
SNP_P1_249217_20166	NW_004517401.1	Scaffold2459	20166	TT	CC	1940521803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249219_35476	NW_004517401.1	Scaffold2459	35476	GG	TT	1940521807
SNP_P1_249220_35616	NW_004517401.1	Scaffold2459	35616	AA	GG	1940521809
SNP_P1_249221_37620	NW_004517401.1	Scaffold2459	37620	AA	GG	1940521811
SNP_P1_249222_37629	NW_004517401.1	Scaffold2459	37629	AA	TT	1940521813
SNP_P1_249223_37646	NW_004517401.1	Scaffold2459	37646	TT	GG	1940521816
SNP_P1_249224_37673	NW_004517401.1	Scaffold2459	37673	CC	TT	1940521818
SNP_P1_249225_37678	NW_004517401.1	Scaffold2459	37678	AA	GG	1940521820
SNP_P1_249226_37693	NW_004517401.1	Scaffold2459	37693	AA	GG	1940521822
SNP_P1_249227_37754	NW_004517401.1	Scaffold2459	37754	GG	TT	1940521824
SNP_P1_249228_37823	NW_004517401.1	Scaffold2459	37823	AA	GG	1940521826
SNP_P1_249229_38105	NW_004517401.1	Scaffold2459	38105	TT	CC	1940521828
SNP_P1_249230_38161	NW_004517401.1	Scaffold2459	38161	CC	GG	1940521830
SNP_P1_249231_38186	NW_004517401.1	Scaffold2459	38186	AA	CC	1940521832
SNP_P1_249232_42218	NW_004517401.1	Scaffold2459	42218	AA	CC	1940521835
SNP_P1_249233_42356	NW_004517401.1	Scaffold2459	42356	TT	GG	1940521837
SNP_P1_249234_42397	NW_004517401.1	Scaffold2459	42397	AA	CC	1940521839
SNP_P1_249235_42531	NW_004517401.1	Scaffold2459	42531	TT	CC	1940521841
SNP_P1_249236_42584	NW_004517401.1	Scaffold2459	42584	CC	TT	1940521843
SNP_P1_249237_42613	NW_004517401.1	Scaffold2459	42613	CC	TT	1940521845
SNP_P1_249238_42921	NW_004517401.1	Scaffold2459	42921	TT	AA	1940521847
SNP_P1_249239_46427	NW_004517401.1	Scaffold2459	46427	TT	CC	1940521849
SNP_P1_249240_50880	NW_004517401.1	Scaffold2459	50880	GG	AA	1940521851
SNP_P1_249241_53929	NW_004517401.1	Scaffold2459	53929	GG	CC	1940521854
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SNP_P1_249243_54416	NW_004517401.1	Scaffold2459	54416	AA	TT	1940521858
SNP_P1_249244_57569	NW_004517401.1	Scaffold2459	57569	AA	GG	1940521860
SNP_P1_249245_59386	NW_004517401.1	Scaffold2459	59386	CC	TT	1940521862
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SNP_P1_249247_65058	NW_004517401.1	Scaffold2459	65058	GG	AA	1940521866
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SNP_P1_249249_66095	NW_004517401.1	Scaffold2459	66095	TT	CC	1940521870
SNP_P1_249250_66342	NW_004517401.1	Scaffold2459	66342	AA	GG	1940521873
SNP_P1_249251_66397	NW_004517401.1	Scaffold2459	66397	CC	TT	1940521875
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SNP_P1_249253_72242	NW_004517401.1	Scaffold2459	72242	GG	TT	1940521879
SNP_P1_249254_72567	NW_004517401.1	Scaffold2459	72567	GG	TT	1940521881
SNP_P1_249255_72571	NW_004517401.1	Scaffold2459	72571	GG	AA	1940521883
SNP_P1_249256_72611	NW_004517401.1	Scaffold2459	72611	CC	TT	1940521885
SNP_P1_249257_80657	NW_004517401.1	Scaffold2459	80657	GG	TT	1940521887
SNP_P1_249258_80658	NW_004517401.1	Scaffold2459	80658	AA	GG	1940521889
SNP_P1_249259_80662	NW_004517401.1	Scaffold2459	80662	TT	AA	1940521892

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249261_80748	NW_004517401.1	Scaffold2459	80748	CC	AA	1940521896
SNP_P1_249262_80758	NW_004517401.1	Scaffold2459	80758	GG	CC	1940521898
SNP_P1_249263_1362	NW_004517405.1	Scaffold2466	1362	AA	TT	1940521900
SNP_P1_249264_190	NW_004517406.1	Scaffold2467	190	AA	GG	1940521902
SNP_P1_249265_810	NW_004517406.1	Scaffold2467	810	TT	GG	1940521904
SNP_P1_249266_1073	NW_004517407.1	Scaffold2469	1073	AA	GG	1940521906
SNP_P1_249268_6056	NW_004517408.1	Scaffold2470	6056	TT	CC	1940521908
SNP_P1_249269_6057	NW_004517408.1	Scaffold2470	6057	AA	CC	1940521911
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SNP_P1_249271_10933	NW_004517408.1	Scaffold2470	10933	AA	GG	1940521915
SNP_P1_249272_10983	NW_004517408.1	Scaffold2470	10983	AA	TT	1940521917
SNP_P1_249273_11095	NW_004517408.1	Scaffold2470	11095	CC	AA	1940521919
SNP_P1_249274_11099	NW_004517408.1	Scaffold2470	11099	TT	AA	1940521921
SNP_P1_249275_11297	NW_004517408.1	Scaffold2470	11297	AA	TT	1940521923
SNP_P1_249276_11325	NW_004517408.1	Scaffold2470	11325	TT	CC	1940521925
SNP_P1_249277_11335	NW_004517408.1	Scaffold2470	11335	AA	CC	1940521927
SNP_P1_249278_11345	NW_004517408.1	Scaffold2470	11345	GG	TT	1940521929
SNP_P1_249279_11349	NW_004517408.1	Scaffold2470	11349	GG	CC	1940521932
SNP_P1_249280_64	NW_004517409.1	Scaffold2471	64	CC	TT	1940521934
SNP_P1_249281_65	NW_004517409.1	Scaffold2471	65	TT	GG	1940521936
SNP_P1_249282_104	NW_004517409.1	Scaffold2471	104	CC	TT	1940521938
SNP_P1_249283_115	NW_004517409.1	Scaffold2471	115	CC	TT	1940521940
SNP_P1_249284_251	NW_004517409.1	Scaffold2471	251	TT	GG	1940521942
SNP_P1_249285_281	NW_004517409.1	Scaffold2471	281	CC	AA	1940521944
SNP_P1_249286_403	NW_004517409.1	Scaffold2471	403	CC	TT	1940521946
SNP_P1_249287_537	NW_004517409.1	Scaffold2471	537	TT	GG	1940521948
SNP_P1_249288_952	NW_004517409.1	Scaffold2471	952	CC	TT	1940521951
SNP_P1_249289_959	NW_004517409.1	Scaffold2471	959	CC	TT	1940521953
SNP_P1_249290_1322	NW_004517409.1	Scaffold2471	1322	TT	AA	1940521955
SNP_P1_249291_1438	NW_004517409.1	Scaffold2471	1438	AA	CC	1940521957
SNP_P1_249292_966	NW_004517410.1	Scaffold2472	966	AA	CC	1940521959
SNP_P1_249293_1020	NW_004517410.1	Scaffold2472	1020	AA	GG	1940521961
SNP_P1_249294_2078	NW_004517411.1	Scaffold2473	2078	CC	AA	1940521963
SNP_P1_249295_2114	NW_004517411.1	Scaffold2473	2114	TT	GG	1940521965
SNP_P1_249296_2731	NW_004517411.1	Scaffold2473	2731	GG	CC	1940521967
SNP_P1_249297_6417	NW_004517411.1	Scaffold2473	6417	CC	TT	1940521969
SNP_P1_249298_6439	NW_004517411.1	Scaffold2473	6439	GG	AA	1940521972
SNP_P1_249299_6674	NW_004517411.1	Scaffold2473	6674	TT	CC	1940521974
SNP_P1_249300_6734	NW_004517411.1	Scaffold2473	6734	GG	AA	1940521976
SNP_P1_249301_7445	NW_004517411.1	Scaffold2473	7445	AA	TT	1940521978
SNP_P1_249302_7588	NW_004517411.1	Scaffold2473	7588	GG	CC	1940521980

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_249303_15587	NW_004517413.1	Scaffold2477	15587	TT	AA	1940521982
SNP_P1_249304_15666	NW_004517413.1	Scaffold2477	15666	AA	TT	1940521984
SNP_P1_249305_15727	NW_004517413.1	Scaffold2477	15727	CC	TT	1940521986
SNP_P1_249306_15749	NW_004517413.1	Scaffold2477	15749	CC	TT	1940521988
SNP_P1_249307_15880	NW_004517413.1	Scaffold2477	15880	TT	AA	1940521991
SNP_P1_249308_16853	NW_004517413.1	Scaffold2477	16853	CC	TT	1940521993
SNP_P1_249309_17075	NW_004517413.1	Scaffold2477	17075	TT	CC	1940521995
SNP_P1_249310_17705	NW_004517413.1	Scaffold2477	17705	CC	TT	1940521997
SNP_P1_249311_17765	NW_004517413.1	Scaffold2477	17765	AA	CC	1940521999
SNP_P1_249312_70	NW_004517415.1	Scaffold2482	70	TT	CC	1940522001
SNP_P1_249313_315	NW_004517415.1	Scaffold2482	315	GG	AA	1940522003
SNP_P1_249314_1073	NW_004517415.1	Scaffold2482	1073	AA	TT	1940522005
SNP_P1_249315_6184	NW_004517415.1	Scaffold2482	6184	TT	CC	1940522007
SNP_P1_249316_6192	NW_004517415.1	Scaffold2482	6192	TT	CC	1940522010
SNP_P1_249317_8200	NW_004517415.1	Scaffold2482	8200	CC	GG	1940522012
SNP_P1_249318_8259	NW_004517415.1	Scaffold2482	8259	AA	GG	1940522014
SNP_P1_249319_8276	NW_004517415.1	Scaffold2482	8276	GG	CC	1940522016
SNP_P1_249320_8282	NW_004517415.1	Scaffold2482	8282	CC	TT	1940522018
SNP_P1_249321_8299	NW_004517415.1	Scaffold2482	8299	TT	GG	1940522020
SNP_P1_249322_9061	NW_004517415.1	Scaffold2482	9061	AA	GG	1940522022
SNP_P1_249323_9062	NW_004517415.1	Scaffold2482	9062	AA	GG	1940522024
SNP_P1_249324_10586	NW_004517415.1	Scaffold2482	10586	CC	TT	1940522026
SNP_P1_249325_10968	NW_004517415.1	Scaffold2482	10968	TT	CC	1940522029
SNP_P1_249326_11066	NW_004517415.1	Scaffold2482	11066	TT	CC	1940522031
SNP_P1_249327_11671	NW_004517415.1	Scaffold2482	11671	AA	CC	1940522033
SNP_P1_249328_11749	NW_004517415.1	Scaffold2482	11749	CC	TT	1940522035
SNP_P1_249329_11751	NW_004517415.1	Scaffold2482	11751	TT	GG	1940522037
SNP_P1_249330_11761	NW_004517415.1	Scaffold2482	11761	TT	GG	1940522039
SNP_P1_249331_11806	NW_004517415.1	Scaffold2482	11806	CC	AA	1940522041
SNP_P1_249332_755	NW_004517416.1	Scaffold2483	755	TT	AA	1940522043
SNP_P1_249333_1072	NW_004517416.1	Scaffold2483	1072	CC	TT	1940522045
SNP_P1_249334_1090	NW_004517416.1	Scaffold2483	1090	GG	TT	1940522048
SNP_P1_249335_1138	NW_004517416.1	Scaffold2483	1138	AA	TT	1940522050
SNP_P1_249336_1987	NW_004517416.1	Scaffold2483	1987	GG	AA	1940522052
SNP_P1_249337_308	NW_004517417.1	Scaffold2484	308	CC	AA	1940522054
SNP_P1_249338_310	NW_004517417.1	Scaffold2484	310	AA	TT	1940522056
SNP_P1_249339_311	NW_004517417.1	Scaffold2484	311	TT	AA	1940522058
SNP_P1_249340_343	NW_004517417.1	Scaffold2484	343	GG	TT	1940522060
SNP_P1_249341_344	NW_004517417.1	Scaffold2484	344	AA	TT	1940522062
SNP_P1_249342_356	NW_004517417.1	Scaffold2484	356	TT	CC	1940522064
SNP_P1_249344_2393	NW_004517419.1	Scaffold2486	2393	CC	GG	1940522066
SNP_P1_249345_2718	NW_004517419.1	Scaffold2486	2718	AA	TT	1940522069

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249347_6764	NW_004517419.1	Scaffold2486	6764	GG	CC	1940522073
SNP_P1_249348_6869	NW_004517419.1	Scaffold2486	6869	CC	TT	1940522075
SNP_P1_249349_6870	NW_004517419.1	Scaffold2486	6870	TT	AA	1940522077
SNP_P1_249350_7040	NW_004517419.1	Scaffold2486	7040	AA	CC	1940522079
SNP_P1_249351_7135	NW_004517419.1	Scaffold2486	7135	AA	CC	1940522081
SNP_P1_249352_7553	NW_004517419.1	Scaffold2486	7553	GG	TT	1940522083
SNP_P1_249353_7837	NW_004517419.1	Scaffold2486	7837	AA	CC	1940522085
SNP_P1_249354_8099	NW_004517419.1	Scaffold2486	8099	GG	CC	1940522088
SNP_P1_249355_8298	NW_004517419.1	Scaffold2486	8298	GG	AA	1940522090
SNP_P1_249356_8696	NW_004517419.1	Scaffold2486	8696	AA	TT	1940522092
SNP_P1_249357_8714	NW_004517419.1	Scaffold2486	8714	CC	AA	1940522094
SNP_P1_249358_8966	NW_004517419.1	Scaffold2486	8966	CC	TT	1940522096
SNP_P1_249359_9104	NW_004517419.1	Scaffold2486	9104	GG	CC	1940522098
SNP_P1_249360_9721	NW_004517419.1	Scaffold2486	9721	GG	TT	1940522100
SNP_P1_249361_64	NW_004517420.1	Scaffold2487	64	AA	GG	1940522102
SNP_P1_249362_101	NW_004517420.1	Scaffold2487	101	CC	AA	1940522104
SNP_P1_249363_410	NW_004517420.1	Scaffold2487	410	AA	GG	1940522106
SNP_P1_249364_524	NW_004517420.1	Scaffold2487	524	AA	CC	1940522109
SNP_P1_249365_603	NW_004517420.1	Scaffold2487	603	GG	AA	1940522111
SNP_P1_249366_931	NW_004517420.1	Scaffold2487	931	TT	CC	1940522113
SNP_P1_249367_1357	NW_004517420.1	Scaffold2487	1357	TT	AA	1940522115
SNP_P1_249368_1571	NW_004517420.1	Scaffold2487	1571	AA	GG	1940522117
SNP_P1_249369_1614	NW_004517420.1	Scaffold2487	1614	AA	CC	1940522119
SNP_P1_249370_1678	NW_004517420.1	Scaffold2487	1678	TT	AA	1940522121
SNP_P1_249371_1679	NW_004517420.1	Scaffold2487	1679	GG	TT	1940522123
SNP_P1_249372_1799	NW_004517420.1	Scaffold2487	1799	TT	CC	1940522125
SNP_P1_249373_1909	NW_004517420.1	Scaffold2487	1909	AA	GG	1940522128
SNP_P1_249374_2027	NW_004517420.1	Scaffold2487	2027	CC	TT	1940522130
SNP_P1_249375_2034	NW_004517420.1	Scaffold2487	2034	GG	AA	1940522132
SNP_P1_249376_2080	NW_004517420.1	Scaffold2487	2080	CC	TT	1940522134
SNP_P1_249377_3069	NW_004517420.1	Scaffold2487	3069	GG	AA	1940522136
SNP_P1_249378_3616	NW_004517420.1	Scaffold2487	3616	AA	TT	1940522138
SNP_P1_249379_5908	NW_004517420.1	Scaffold2487	5908	AA	CC	1940522140
SNP_P1_249380_5958	NW_004517420.1	Scaffold2487	5958	AA	CC	1940522142
SNP_P1_249381_6023	NW_004517420.1	Scaffold2487	6023	AA	TT	1940522144
SNP_P1_249382_6071	NW_004517420.1	Scaffold2487	6071	TT	CC	1940522147
SNP_P1_249383_6084	NW_004517420.1	Scaffold2487	6084	CC	TT	1940522149
SNP_P1_249384_6117	NW_004517420.1	Scaffold2487	6117	TT	CC	1940522151
SNP_P1_249385_6244	NW_004517420.1	Scaffold2487	6244	GG	TT	1940522153
SNP_P1_249386_6256	NW_004517420.1	Scaffold2487	6256	AA	CC	1940522155
SNP_P1_249387_6319	NW_004517420.1	Scaffold2487	6319	CC	TT	1940522157

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249390_64	NW_004517422.1	Scaffold2489	64	CC	TT	1940522163
SNP_P1_249391_66	NW_004517422.1	Scaffold2489	66	CC	GG	1940522165
SNP_P1_249392_1139	NW_004517422.1	Scaffold2489	1139	GG	AA	1940522168
SNP_P1_249393_1567	NW_004517422.1	Scaffold2489	1567	TT	AA	1940522170
SNP_P1_249394_2123	NW_004517422.1	Scaffold2489	2123	AA	GG	1940522172
SNP_P1_249395_3989	NW_004517422.1	Scaffold2489	3989	CC	GG	1940522174
SNP_P1_249396_3997	NW_004517422.1	Scaffold2489	3997	TT	GG	1940522176
SNP_P1_249398_365	NW_004517423.1	Scaffold2490	365	GG	CC	1940522178
SNP_P1_249399_472	NW_004517423.1	Scaffold2490	472	CC	TT	1940522180
SNP_P1_249400_2097	NW_004517424.1	Scaffold2491	2097	AA	GG	1940522182
SNP_P1_249401_2324	NW_004517424.1	Scaffold2491	2324	AA	TT	1940522184
SNP_P1_249402_2365	NW_004517424.1	Scaffold2491	2365	AA	CC	1940522187
SNP_P1_249403_6495	NW_004517424.1	Scaffold2491	6495	GG	TT	1940522189
SNP_P1_249404_6501	NW_004517424.1	Scaffold2491	6501	GG	AA	1940522191
SNP_P1_249405_6504	NW_004517424.1	Scaffold2491	6504	AA	CC	1940522193
SNP_P1_249406_6937	NW_004517424.1	Scaffold2491	6937	AA	TT	1940522195
SNP_P1_249407_6939	NW_004517424.1	Scaffold2491	6939	AA	CC	1940522197
SNP_P1_249408_7363	NW_004517424.1	Scaffold2491	7363	TT	CC	1940522199
SNP_P1_249409_7406	NW_004517424.1	Scaffold2491	7406	CC	GG	1940522201
SNP_P1_249410_8109	NW_004517424.1	Scaffold2491	8109	AA	TT	1940522203
SNP_P1_249411_239	NW_004517425.1	Scaffold2492	239	CC	TT	1940522206
SNP_P1_249412_297	NW_004517425.1	Scaffold2492	297	CC	TT	1940522208
SNP_P1_249413_628	NW_004517425.1	Scaffold2492	628	GG	TT	1940522210
SNP_P1_249414_2508	NW_004517426.1	Scaffold2493	2508	AA	CC	1940522212
SNP_P1_249415_20129	NW_004517426.1	Scaffold2493	20129	TT	CC	1940522214
SNP_P1_249416_21560	NW_004517429.1	Scaffold2496	21560	GG	AA	1940522216
SNP_P1_249417_645	NW_004517430.1	Scaffold2497	645	AA	CC	1940522218
SNP_P1_249418_665	NW_004517430.1	Scaffold2497	665	CC	GG	1940522220
SNP_P1_249419_947	NW_004517430.1	Scaffold2497	947	AA	GG	1940522222
SNP_P1_249420_963	NW_004517430.1	Scaffold2497	963	TT	AA	1940522224
SNP_P1_249421_1284	NW_004517430.1	Scaffold2497	1284	AA	GG	1940522227
SNP_P1_249422_1314	NW_004517430.1	Scaffold2497	1314	AA	GG	1940522229
SNP_P1_249423_712	NW_004517431.1	Scaffold2498	712	AA	GG	1940522231
SNP_P1_249424_1133	NW_004517431.1	Scaffold2498	1133	AA	GG	1940522233
SNP_P1_249425_1402	NW_004517431.1	Scaffold2498	1402	CC	TT	1940522235
SNP_P1_249426_1602	NW_004517431.1	Scaffold2498	1602	AA	GG	1940522237
SNP_P1_249427_2797	NW_004517431.1	Scaffold2498	2797	TT	CC	1940522239
SNP_P1_249428_8399	NW_004517431.1	Scaffold2498	8399	TT	CC	1940522241
SNP_P1_249429_14227	NW_004517431.1	Scaffold2498	14227	TT	CC	1940522243
SNP_P1_249430_27512	NW_004517431.1	Scaffold2498	27512	TT	CC	1940522246

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249432_1996	NW_004517432.1	Scaffold2499	1996	CC	TT	1940522250
SNP_P1_249434_11806	NW_004517433.1	Scaffold2501	11806	GG	TT	1940522252
SNP_P1_249435_15808	NW_004517433.1	Scaffold2501	15808	GG	AA	1940522254
SNP_P1_249436_15814	NW_004517433.1	Scaffold2501	15814	CC	AA	1940522256
SNP_P1_249437_15818	NW_004517433.1	Scaffold2501	15818	GG	AA	1940522258
SNP_P1_249438_15819	NW_004517433.1	Scaffold2501	15819	TT	CC	1940522260
SNP_P1_249439_15837	NW_004517433.1	Scaffold2501	15837	CC	AA	1940522262
SNP_P1_249440_15838	NW_004517433.1	Scaffold2501	15838	TT	CC	1940522265
SNP_P1_249441_509	NW_004517436.1	Scaffold2505	509	GG	TT	1940522267
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SNP_P1_249443_748	NW_004517436.1	Scaffold2505	748	CC	TT	1940522271
SNP_P1_249444_787	NW_004517436.1	Scaffold2505	787	AA	GG	1940522273
SNP_P1_249445_794	NW_004517436.1	Scaffold2505	794	TT	GG	1940522275
SNP_P1_249446_796	NW_004517436.1	Scaffold2505	796	AA	GG	1940522277
SNP_P1_249447_905	NW_004517436.1	Scaffold2505	905	GG	AA	1940522279
SNP_P1_249448_1056	NW_004517436.1	Scaffold2505	1056	TT	GG	1940522281
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SNP_P1_249451_1785	NW_004517436.1	Scaffold2505	1785	TT	AA	1940522286
SNP_P1_249453_1826	NW_004517436.1	Scaffold2505	1826	GG	AA	1940522288
SNP_P1_249454_1924	NW_004517436.1	Scaffold2505	1924	TT	AA	1940522290
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SNP_P1_249456_2196	NW_004517436.1	Scaffold2505	2196	TT	CC	1940522294
SNP_P1_249457_2231	NW_004517436.1	Scaffold2505	2231	CC	TT	1940522296
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SNP_P1_249460_2489	NW_004517436.1	Scaffold2505	2489	AA	TT	1940522302
SNP_P1_249461_2499	NW_004517436.1	Scaffold2505	2499	GG	CC	1940522305
SNP_P1_249462_2501	NW_004517436.1	Scaffold2505	2501	GG	AA	1940522307
SNP_P1_249463_2540	NW_004517436.1	Scaffold2505	2540	CC	AA	1940522309
SNP_P1_249464_2542	NW_004517436.1	Scaffold2505	2542	TT	CC	1940522311
SNP_P1_249465_2727	NW_004517436.1	Scaffold2505	2727	AA	GG	1940522313
SNP_P1_249466_276	NW_004517437.1	Scaffold2506	276	TT	AA	1940522315
SNP_P1_249467_468	NW_004517437.1	Scaffold2506	468	GG	AA	1940522317
SNP_P1_249468_871	NW_004517437.1	Scaffold2506	871	GG	AA	1940522319
SNP_P1_249469_9883	NW_004517437.1	Scaffold2506	9883	TT	GG	1940522321
SNP_P1_249470_540	NW_004517439.1	Scaffold2511	540	TT	CC	1940522324
SNP_P1_249471_1230	NW_004517439.1	Scaffold2511	1230	AA	GG	1940522326
SNP_P1_249473_1564	NW_004517439.1	Scaffold2511	1564	GG	TT	1940522328
SNP_P1_249474_1565	NW_004517439.1	Scaffold2511	1565	AA	GG	1940522330
SNP_P1_249475_1888	NW_004517439.1	Scaffold2511	1888	CC	GG	1940522332
SNP_P1_249476_1900	NW_004517439.1	Scaffold2511	1900	AA	GG	1940522334

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249478_2605	NW_004517439.1	Scaffold2511	2605	CC	TT	1940522338
SNP_P1_249479_2966	NW_004517439.1	Scaffold2511	2966	GG	AA	1940522340
SNP_P1_249480_3048	NW_004517439.1	Scaffold2511	3048	CC	TT	1940522342
SNP_P1_249481_3204	NW_004517439.1	Scaffold2511	3204	AA	GG	1940522345
SNP_P1_249482_3234	NW_004517439.1	Scaffold2511	3234	CC	GG	1940522347
SNP_P1_249484_3419	NW_004517439.1	Scaffold2511	3419	TT	GG	1940522349
SNP_P1_249485_3878	NW_004517439.1	Scaffold2511	3878	CC	TT	1940522351
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SNP_P1_249487_4674	NW_004517439.1	Scaffold2511	4674	AA	GG	1940522355
SNP_P1_249488_4683	NW_004517439.1	Scaffold2511	4683	GG	TT	1940522357
SNP_P1_249489_4760	NW_004517439.1	Scaffold2511	4760	AA	GG	1940522359
SNP_P1_249490_4878	NW_004517439.1	Scaffold2511	4878	CC	TT	1940522361
SNP_P1_249491_4917	NW_004517439.1	Scaffold2511	4917	GG	CC	1940522364
SNP_P1_249492_4932	NW_004517439.1	Scaffold2511	4932	CC	AA	1940522366
SNP_P1_249493_5036	NW_004517439.1	Scaffold2511	5036	GG	AA	1940522368
SNP_P1_249494_5266	NW_004517439.1	Scaffold2511	5266	TT	CC	1940522370
SNP_P1_249495_5286	NW_004517439.1	Scaffold2511	5286	CC	TT	1940522372
SNP_P1_249496_5287	NW_004517439.1	Scaffold2511	5287	TT	CC	1940522374
SNP_P1_249497_5401	NW_004517439.1	Scaffold2511	5401	TT	CC	1940522376
SNP_P1_249498_5735	NW_004517439.1	Scaffold2511	5735	CC	TT	1940522378
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SNP_P1_249501_6247	NW_004517439.1	Scaffold2511	6247	AA	TT	1940522385
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SNP_P1_249518_24775	NW_004517439.1	Scaffold2511	24775	AA	TT	1940522418
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249524_25145	NW_004517439.1	Scaffold2511	25145	AA	GG	1940522431
SNP_P1_249525_25200	NW_004517439.1	Scaffold2511	25200	GG	CC	1940522433
SNP_P1_249526_28703	NW_004517439.1	Scaffold2511	28703	GG	AA	1940522435
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SNP_P1_249531_30636	NW_004517439.1	Scaffold2511	30636	AA	TT	1940522446
SNP_P1_249532_30692	NW_004517439.1	Scaffold2511	30692	GG	CC	1940522448
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SNP_P1_249535_30747	NW_004517439.1	Scaffold2511	30747	TT	AA	1940522454
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SNP_P1_249546_60978	NW_004517439.1	Scaffold2511	60978	CC	GG	1940522477
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SNP_P1_249548_61106	NW_004517439.1	Scaffold2511	61106	GG	CC	1940522482
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SNP_P1_249550_61703	NW_004517439.1	Scaffold2511	61703	GG	TT	1940522486
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SNP_P1_249558_62086	NW_004517439.1	Scaffold2511	62086	AA	GG	1940522503
SNP_P1_249559_62089	NW_004517439.1	Scaffold2511	62089	CC	AA	1940522505
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SNP_P1_249561_62163	NW_004517439.1	Scaffold2511	62163	TT	AA	1940522509
SNP_P1_249562_62241	NW_004517439.1	Scaffold2511	62241	GG	AA	1940522511

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249565_62416	NW_004517439.1	Scaffold2511	62416	TT	AA	1940522518
SNP_P1_249566_62523	NW_004517439.1	Scaffold2511	62523	TT	CC	1940522520
SNP_P1_249567_63758	NW_004517439.1	Scaffold2511	63758	GG	TT	1940522522
SNP_P1_249568_63767	NW_004517439.1	Scaffold2511	63767	AA	TT	1940522524
SNP_P1_249569_63830	NW_004517439.1	Scaffold2511	63830	GG	AA	1940522526
SNP_P1_249570_63836	NW_004517439.1	Scaffold2511	63836	GG	TT	1940522528
SNP_P1_249571_63840	NW_004517439.1	Scaffold2511	63840	GG	AA	1940522530
SNP_P1_249572_64315	NW_004517439.1	Scaffold2511	64315	TT	AA	1940522532
SNP_P1_249573_64330	NW_004517439.1	Scaffold2511	64330	CC	GG	1940522534
SNP_P1_249574_64345	NW_004517439.1	Scaffold2511	64345	CC	GG	1940522537
SNP_P1_249575_64370	NW_004517439.1	Scaffold2511	64370	CC	TT	1940522539
SNP_P1_249576_64387	NW_004517439.1	Scaffold2511	64387	GG	AA	1940522541
SNP_P1_249577_65252	NW_004517439.1	Scaffold2511	65252	CC	TT	1940522543
SNP_P1_249578_65376	NW_004517439.1	Scaffold2511	65376	TT	CC	1940522545
SNP_P1_249579_65457	NW_004517439.1	Scaffold2511	65457	AA	GG	1940522547
SNP_P1_249580_65526	NW_004517439.1	Scaffold2511	65526	AA	CC	1940522549
SNP_P1_249581_65539	NW_004517439.1	Scaffold2511	65539	TT	CC	1940522551
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SNP_P1_249584_66002	NW_004517439.1	Scaffold2511	66002	TT	GG	1940522558
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SNP_P1_249594_448	NW_004517440.1	Scaffold2512	448	AA	GG	1940522579
SNP_P1_249595_753	NW_004517440.1	Scaffold2512	753	GG	TT	1940522581
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SNP_P1_249603_87419	NW_004517442.1	Scaffold2516	87419	AA	GG	1940522596
SNP_P1_249605_87501	NW_004517442.1	Scaffold2516	87501	TT	AA	1940522598
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249610_87778	NW_004517442.1	Scaffold2516	87778	TT	CC	1940522608
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SNP_P1_249614_106514	NW_004517442.1	Scaffold2516	106514	GG	TT	1940522617
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SNP_P1_249619_2253	NW_004517445.1	Scaffold2519	2253	CC	TT	1940522623
SNP_P1_249620_20192	NW_004517446.1	Scaffold2521	20192	TT	CC	1940522625
SNP_P1_249621_20205	NW_004517446.1	Scaffold2521	20205	CC	TT	1940522627
SNP_P1_249622_23948	NW_004517446.1	Scaffold2521	23948	CC	TT	1940522629
SNP_P1_249623_31008	NW_004517446.1	Scaffold2521	31008	GG	AA	1940522632
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SNP_P1_249625_31037	NW_004517446.1	Scaffold2521	31037	CC	TT	1940522636
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SNP_P1_249639_631	NW_004517449.1	Scaffold2524	631	CC	GG	1940522661
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SNP_P1_249651_13270	NW_004517452.1	Scaffold2528	13270	TT	AA	1940522684
SNP_P1_249652_19187	NW_004517452.1	Scaffold2528	19187	TT	AA	1940522686
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249663_19662	NW_004517452.1	Scaffold2528	19662	AA	CC	1940522708
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SNP_P1_249668_19932	NW_004517452.1	Scaffold2528	19932	TT	GG	1940522718
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SNP_P1_249694_46228	NW_004517456.1	Scaffold2534	46228	TT	CC	1940522773
SNP_P1_249695_46240	NW_004517456.1	Scaffold2534	46240	AA	CC	1940522775
SNP_P1_249697_46319	NW_004517456.1	Scaffold2534	46319	CC	AA	1940522777

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249701_9872	NW_004517457.1	Scaffold2535	9872	GG	TT	1940522786
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SNP_P1_249710_29898	NW_004517457.1	Scaffold2535	29898	GG	TT	1940522803
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SNP_P1_249712_30543	NW_004517457.1	Scaffold2535	30543	AA	GG	1940522807
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SNP_P1_249721_1120	NW_004517461.1	Scaffold2542	1120	TT	GG	1940522824
SNP_P1_249722_1146	NW_004517461.1	Scaffold2542	1146	CC	TT	1940522826
SNP_P1_249723_1521	NW_004517461.1	Scaffold2542	1521	AA	TT	1940522828
SNP_P1_249724_1949	NW_004517461.1	Scaffold2542	1949	GG	AA	1940522830
SNP_P1_249725_1993	NW_004517461.1	Scaffold2542	1993	AA	GG	1940522832
SNP_P1_249726_2201	NW_004517461.1	Scaffold2542	2201	CC	TT	1940522834
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SNP_P1_249734_2537	NW_004517461.1	Scaffold2542	2537	GG	AA	1940522849
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SNP_P1_249738_8629	NW_004517461.1	Scaffold2542	8629	TT	CC	1940522855
SNP_P1_249739_8830	NW_004517461.1	Scaffold2542	8830	TT	CC	1940522857
SNP_P1_249740_9203	NW_004517461.1	Scaffold2542	9203	CC	TT	1940522859
SNP_P1_249741_9204	NW_004517461.1	Scaffold2542	9204	TT	CC	1940522862
SNP_P1_249742_9208	NW_004517461.1	Scaffold2542	9208	AA	GG	1940522864
SNP_P1_249743_9216	NW_004517461.1	Scaffold2542	9216	TT	CC	1940522866

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249746_14611	NW_004517461.1	Scaffold2542	14611	TT	CC	1940522872
SNP_P1_249747_20860	NW_004517461.1	Scaffold2542	20860	AA	GG	1940522874
SNP_P1_249748_20877	NW_004517461.1	Scaffold2542	20877	TT	AA	1940522876
SNP_P1_249749_24522	NW_004517461.1	Scaffold2542	24522	AA	GG	1940522878
SNP_P1_249750_24603	NW_004517461.1	Scaffold2542	24603	GG	CC	1940522881
SNP_P1_249751_24607	NW_004517461.1	Scaffold2542	24607	AA	CC	1940522883
SNP_P1_249752_25104	NW_004517461.1	Scaffold2542	25104	GG	TT	1940522885
SNP_P1_249753_25762	NW_004517461.1	Scaffold2542	25762	TT	GG	1940522887
SNP_P1_249754_26189	NW_004517461.1	Scaffold2542	26189	GG	AA	1940522889
SNP_P1_249755_26238	NW_004517461.1	Scaffold2542	26238	AA	GG	1940522891
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SNP_P1_249758_1358	NW_004517464.1	Scaffold2547	1358	AA	GG	1940522895
SNP_P1_249759_1363	NW_004517464.1	Scaffold2547	1363	GG	TT	1940522897
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SNP_P1_249761_709	NW_004517465.1	Scaffold2548	709	AA	GG	1940522902
SNP_P1_249762_711	NW_004517465.1	Scaffold2548	711	TT	GG	1940522904
SNP_P1_249763_720	NW_004517465.1	Scaffold2548	720	CC	GG	1940522906
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SNP_P1_249766_760	NW_004517465.1	Scaffold2548	760	TT	CC	1940522912
SNP_P1_249767_766	NW_004517465.1	Scaffold2548	766	TT	CC	1940522914
SNP_P1_249768_864	NW_004517465.1	Scaffold2548	864	TT	AA	1940522916
SNP_P1_249769_875	NW_004517465.1	Scaffold2548	875	CC	TT	1940522919
SNP_P1_249770_883	NW_004517465.1	Scaffold2548	883	AA	TT	1940522921
SNP_P1_249771_885	NW_004517465.1	Scaffold2548	885	TT	GG	1940522923
SNP_P1_249772_886	NW_004517465.1	Scaffold2548	886	AA	GG	1940522925
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SNP_P1_249783_1401	NW_004517465.1	Scaffold2548	1401	TT	AA	1940522944
SNP_P1_249784_1402	NW_004517465.1	Scaffold2548	1402	GG	TT	1940522946
SNP_P1_249785_1431	NW_004517465.1	Scaffold2548	1431	TT	AA	1940522948
SNP_P1_249786_1434	NW_004517465.1	Scaffold2548	1434	TT	CC	1940522950
SNP_P1_249787_1442	NW_004517465.1	Scaffold2548	1442	AA	TT	1940522952
SNP_P1_249788_2470	NW_004517465.1	Scaffold2548	2470	AA	TT	1940522954

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249791_2738	NW_004517467.1	Scaffold2553	2738	GG	AA	1940522961
SNP_P1_249792_3680	NW_004517467.1	Scaffold2553	3680	CC	TT	1940522963
SNP_P1_249793_1582	NW_004517468.1	Scaffold2555	1582	TT	GG	1940522965
SNP_P1_249794_1591	NW_004517468.1	Scaffold2555	1591	CC	GG	1940522967
SNP_P1_249795_1726	NW_004517468.1	Scaffold2555	1726	CC	TT	1940522969
SNP_P1_249796_3462	NW_004517468.1	Scaffold2555	3462	CC	AA	1940522971
SNP_P1_249797_3477	NW_004517468.1	Scaffold2555	3477	TT	GG	1940522973
SNP_P1_249798_3610	NW_004517468.1	Scaffold2555	3610	TT	CC	1940522975
SNP_P1_249799_16157	NW_004517468.1	Scaffold2555	16157	CC	TT	1940522977
SNP_P1_249801_17529	NW_004517468.1	Scaffold2555	17529	TT	AA	1940522980
SNP_P1_249802_17547	NW_004517468.1	Scaffold2555	17547	GG	AA	1940522982
SNP_P1_249803_17578	NW_004517468.1	Scaffold2555	17578	CC	TT	1940522984
SNP_P1_249804_17621	NW_004517468.1	Scaffold2555	17621	CC	TT	1940522986
SNP_P1_249805_18966	NW_004517468.1	Scaffold2555	18966	TT	CC	1940522988
SNP_P1_249806_19023	NW_004517468.1	Scaffold2555	19023	CC	TT	1940522990
SNP_P1_249807_19397	NW_004517468.1	Scaffold2555	19397	CC	TT	1940522992
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SNP_P1_249811_21902	NW_004517468.1	Scaffold2555	21902	CC	AA	1940523001
SNP_P1_249812_22228	NW_004517468.1	Scaffold2555	22228	CC	AA	1940523003
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SNP_P1_249814_29370	NW_004517468.1	Scaffold2555	29370	TT	CC	1940523007
SNP_P1_249815_43828	NW_004517468.1	Scaffold2555	43828	TT	AA	1940523009
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SNP_P1_249817_43851	NW_004517468.1	Scaffold2555	43851	AA	GG	1940523013
SNP_P1_249818_44270	NW_004517468.1	Scaffold2555	44270	CC	AA	1940523015
SNP_P1_249819_44374	NW_004517468.1	Scaffold2555	44374	GG	TT	1940523018
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SNP_P1_249821_44379	NW_004517468.1	Scaffold2555	44379	CC	AA	1940523022
SNP_P1_249822_44389	NW_004517468.1	Scaffold2555	44389	CC	TT	1940523024
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SNP_P1_249824_50396	NW_004517468.1	Scaffold2555	50396	GG	TT	1940523028
SNP_P1_249825_50404	NW_004517468.1	Scaffold2555	50404	AA	TT	1940523030
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SNP_P1_249827_50420	NW_004517468.1	Scaffold2555	50420	CC	GG	1940523035
SNP_P1_249828_50425	NW_004517468.1	Scaffold2555	50425	AA	TT	1940523037
SNP_P1_249829_50427	NW_004517468.1	Scaffold2555	50427	AA	GG	1940523039
SNP_P1_249830_51752	NW_004517468.1	Scaffold2555	51752	GG	TT	1940523041
SNP_P1_249831_915	NW_004517469.1	Scaffold2556	915	CC	GG	1940523043

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249836_2238	NW_004517470.1	Scaffold2557	2238	GG	AA	1940523051
SNP_P1_249837_2252	NW_004517470.1	Scaffold2557	2252	CC	TT	1940523054
SNP_P1_249838_2286	NW_004517470.1	Scaffold2557	2286	TT	AA	1940523056
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SNP_P1_249841_9152	NW_004517470.1	Scaffold2557	9152	AA	GG	1940523062
SNP_P1_249842_9211	NW_004517470.1	Scaffold2557	9211	CC	TT	1940523064
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SNP_P1_249844_12482	NW_004517470.1	Scaffold2557	12482	CC	TT	1940523068
SNP_P1_249845_14726	NW_004517470.1	Scaffold2557	14726	TT	AA	1940523070
SNP_P1_249847_23212	NW_004517470.1	Scaffold2557	23212	AA	CC	1940523072
SNP_P1_249848_27299	NW_004517470.1	Scaffold2557	27299	AA	CC	1940523075
SNP_P1_249850_47643	NW_004517470.1	Scaffold2557	47643	TT	GG	1940523077
SNP_P1_249851_47656	NW_004517470.1	Scaffold2557	47656	AA	CC	1940523079
SNP_P1_249852_47682	NW_004517470.1	Scaffold2557	47682	CC	AA	1940523081
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SNP_P1_249875_56728	NW_004517470.1	Scaffold2557	56728	AA	GG	1940523127
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249892_62549	NW_004517470.1	Scaffold2557	62549	TT	AA	1940523157
SNP_P1_249893_62557	NW_004517470.1	Scaffold2557	62557	AA	GG	1940523159
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SNP_P1_249912_85950	NW_004517470.1	Scaffold2557	85950	AA	GG	1940523197
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SNP_P1_249919_86363	NW_004517470.1	Scaffold2557	86363	AA	CC	1940523212
SNP_P1_249920_86373	NW_004517470.1	Scaffold2557	86373	CC	TT	1940523214
SNP_P1_249921_86401	NW_004517470.1	Scaffold2557	86401	AA	CC	1940523216
SNP_P1_249922_96917	NW_004517470.1	Scaffold2557	96917	GG	CC	1940523218
SNP_P1_249925_103560	NW_004517470.1	Scaffold2557	103560	GG	TT	1940523220

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249928_172007	NW_004517470.1	Scaffold2557	172007	GG	AA	1940523225
SNP_P1_249929_172010	NW_004517470.1	Scaffold2557	172010	AA	GG	1940523227
SNP_P1_249930_172061	NW_004517470.1	Scaffold2557	172061	AA	GG	1940523229
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SNP_P1_249933_172132	NW_004517470.1	Scaffold2557	172132	TT	GG	1940523235
SNP_P1_249934_172152	NW_004517470.1	Scaffold2557	172152	AA	GG	1940523237
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SNP_P1_249936_172484	NW_004517470.1	Scaffold2557	172484	AA	GG	1940523241
SNP_P1_249937_4167	NW_004517471.1	Scaffold2558	4167	TT	CC	1940523244
SNP_P1_249938_6328	NW_004517471.1	Scaffold2558	6328	CC	TT	1940523246
SNP_P1_249939_6343	NW_004517471.1	Scaffold2558	6343	GG	AA	1940523248
SNP_P1_249940_6359	NW_004517471.1	Scaffold2558	6359	AA	TT	1940523250
SNP_P1_249941_6591	NW_004517471.1	Scaffold2558	6591	GG	TT	1940523252
SNP_P1_249942_6602	NW_004517471.1	Scaffold2558	6602	TT	CC	1940523254
SNP_P1_249943_6643	NW_004517471.1	Scaffold2558	6643	GG	TT	1940523256
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SNP_P1_249945_10095	NW_004517471.1	Scaffold2558	10095	TT	AA	1940523260
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SNP_P1_249947_8410	NW_004517473.1	Scaffold2560	8410	TT	GG	1940523265
SNP_P1_249948_19821	NW_004517473.1	Scaffold2560	19821	TT	CC	1940523267
SNP_P1_249949_19822	NW_004517473.1	Scaffold2560	19822	CC	TT	1940523269
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SNP_P1_249951_19867	NW_004517473.1	Scaffold2560	19867	TT	CC	1940523273
SNP_P1_249952_19897	NW_004517473.1	Scaffold2560	19897	GG	AA	1940523275
SNP_P1_249953_19898	NW_004517473.1	Scaffold2560	19898	GG	AA	1940523277
SNP_P1_249954_19935	NW_004517473.1	Scaffold2560	19935	TT	CC	1940523279
SNP_P1_249956_60585	NW_004517473.1	Scaffold2560	60585	AA	GG	1940523282
SNP_P1_249958_60679	NW_004517473.1	Scaffold2560	60679	CC	TT	1940523284
SNP_P1_249959_60728	NW_004517473.1	Scaffold2560	60728	GG	TT	1940523286
SNP_P1_249960_60807	NW_004517473.1	Scaffold2560	60807	GG	AA	1940523288
SNP_P1_249961_61151	NW_004517473.1	Scaffold2560	61151	AA	CC	1940523290
SNP_P1_249963_61259	NW_004517473.1	Scaffold2560	61259	AA	GG	1940523292
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SNP_P1_249969_61776	NW_004517473.1	Scaffold2560	61776	AA	TT	1940523303
SNP_P1_249970_61788	NW_004517473.1	Scaffold2560	61788	AA	GG	1940523305
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SNP_P1_249972_62075	NW_004517473.1	Scaffold2560	62075	AA	GG	1940523309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_249975_63522	NW_004517473.1	Scaffold2560	63522	AA	CC	1940523315
SNP_P1_249976_2589	NW_004517476.1	Scaffold2564	2589	CC	AA	1940523317
SNP_P1_249977_5682	NW_004517476.1	Scaffold2564	5682	CC	TT	1940523320
SNP_P1_249978_5704	NW_004517476.1	Scaffold2564	5704	TT	AA	1940523322
SNP_P1_249979_11211	NW_004517476.1	Scaffold2564	11211	TT	CC	1940523324
SNP_P1_249980_11248	NW_004517476.1	Scaffold2564	11248	AA	GG	1940523326
SNP_P1_249981_11251	NW_004517476.1	Scaffold2564	11251	TT	CC	1940523328
SNP_P1_249982_11306	NW_004517476.1	Scaffold2564	11306	CC	TT	1940523330
SNP_P1_249983_11329	NW_004517476.1	Scaffold2564	11329	CC	TT	1940523332
SNP_P1_249984_11352	NW_004517476.1	Scaffold2564	11352	CC	AA	1940523334
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SNP_P1_249992_29290	NW_004517476.1	Scaffold2564	29290	CC	TT	1940523347
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SNP_P1_249999_804	NW_004517479.1	Scaffold2568	804	CC	TT	1940523362
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SNP_P1_250003_22419	NW_004517480.1	Scaffold2569	22419	TT	CC	1940523368
SNP_P1_250004_22536	NW_004517480.1	Scaffold2569	22536	TT	CC	1940523370
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SNP_P1_250012_46519	NW_004517480.1	Scaffold2569	46519	TT	CC	1940523387
SNP_P1_250013_46527	NW_004517480.1	Scaffold2569	46527	AA	GG	1940523389
SNP_P1_250014_46544	NW_004517480.1	Scaffold2569	46544	GG	AA	1940523391
SNP_P1_250015_56489	NW_004517480.1	Scaffold2569	56489	AA	GG	1940523393
SNP_P1_250016_65295	NW_004517480.1	Scaffold2569	65295	AA	GG	1940523396
SNP_P1_250017_65305	NW_004517480.1	Scaffold2569	65305	CC	GG	1940523398

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250022_72767	NW_004517480.1	Scaffold2569	72767	GG	AA	1940523406
SNP_P1_250023_78487	NW_004517480.1	Scaffold2569	78487	CC	TT	1940523408
SNP_P1_250024_99326	NW_004517480.1	Scaffold2569	99326	AA	GG	1940523410
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SNP_P1_250026_99369	NW_004517480.1	Scaffold2569	99369	GG	AA	1940523415
SNP_P1_250027_99381	NW_004517480.1	Scaffold2569	99381	AA	CC	1940523417
SNP_P1_250028_99778	NW_004517480.1	Scaffold2569	99778	TT	AA	1940523419
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SNP_P1_250030_106306	NW_004517480.1	Scaffold2569	106306	TT	AA	1940523423
SNP_P1_250031_106824	NW_004517480.1	Scaffold2569	106824	GG	AA	1940523425
SNP_P1_250032_106826	NW_004517480.1	Scaffold2569	106826	TT	AA	1940523427
SNP_P1_250033_106975	NW_004517480.1	Scaffold2569	106975	CC	GG	1940523429
SNP_P1_250034_959	NW_004517482.1	Scaffold2571	959	TT	AA	1940523431
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SNP_P1_250038_5042	NW_004517485.1	Scaffold2574	5042	TT	CC	1940523436
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SNP_P1_250041_15397	NW_004517485.1	Scaffold2574	15397	GG	CC	1940523440
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SNP_P1_250043_21553	NW_004517485.1	Scaffold2574	21553	CC	TT	1940523444
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SNP_P1_250045_46266	NW_004517485.1	Scaffold2574	46266	TT	AA	1940523448
SNP_P1_250046_51068	NW_004517485.1	Scaffold2574	51068	TT	CC	1940523450
SNP_P1_250047_51101	NW_004517485.1	Scaffold2574	51101	AA	GG	1940523453
SNP_P1_250048_51355	NW_004517485.1	Scaffold2574	51355	GG	AA	1940523455
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SNP_P1_250052_7557	NW_004517486.1	Scaffold2575	7557	GG	AA	1940523461
SNP_P1_250054_65994	NW_004517486.1	Scaffold2575	65994	TT	GG	1940523463
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SNP_P1_250059_127543	NW_004517486.1	Scaffold2575	127543	AA	GG	1940523474
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SNP_P1_250062_134810	NW_004517486.1	Scaffold2575	134810	CC	AA	1940523478
SNP_P1_250064_182466	NW_004517486.1	Scaffold2575	182466	TT	AA	1940523480
SNP_P1_250065_182925	NW_004517486.1	Scaffold2575	182925	AA	GG	1940523482
SNP_P1_250066_193391	NW_004517486.1	Scaffold2575	193391	AA	GG	1940523484
SNP_P1_250067_193403	NW_004517486.1	Scaffold2575	193403	AA	GG	1940523486

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250070_193518	NW_004517486.1	Scaffold2575	193518	TT	GG	1940523493
SNP_P1_250071_193529	NW_004517486.1	Scaffold2575	193529	TT	CC	1940523495
SNP_P1_250072_193584	NW_004517486.1	Scaffold2575	193584	TT	AA	1940523497
SNP_P1_250073_193677	NW_004517486.1	Scaffold2575	193677	AA	GG	1940523499
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SNP_P1_250078_195813	NW_004517486.1	Scaffold2575	195813	TT	CC	1940523509
SNP_P1_250079_195886	NW_004517486.1	Scaffold2575	195886	GG	TT	1940523512
SNP_P1_250080_195914	NW_004517486.1	Scaffold2575	195914	TT	CC	1940523514
SNP_P1_250081_195944	NW_004517486.1	Scaffold2575	195944	TT	GG	1940523516
SNP_P1_250082_195961	NW_004517486.1	Scaffold2575	195961	CC	TT	1940523518
SNP_P1_250083_195973	NW_004517486.1	Scaffold2575	195973	CC	TT	1940523520
SNP_P1_250084_196075	NW_004517486.1	Scaffold2575	196075	GG	AA	1940523522
SNP_P1_250085_196077	NW_004517486.1	Scaffold2575	196077	GG	AA	1940523524
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SNP_P1_250095_205545	NW_004517486.1	Scaffold2575	205545	TT	AA	1940523543
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SNP_P1_250108_231291	NW_004517486.1	Scaffold2575	231291	CC	TT	1940523571
SNP_P1_250109_231315	NW_004517486.1	Scaffold2575	231315	TT	GG	1940523573
SNP_P1_250110_231352	NW_004517486.1	Scaffold2575	231352	CC	TT	1940523575

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250114_231514	NW_004517486.1	Scaffold2575	231514	GG	CC	1940523583
SNP_P1_250116_240842	NW_004517486.1	Scaffold2575	240842	TT	CC	1940523585
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SNP_P1_250119_248637	NW_004517486.1	Scaffold2575	248637	CC	TT	1940523590
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SNP_P1_250157_278916	NW_004517486.1	Scaffold2575	278916	CC	AA	1940523663

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_250158_278962	NW_004517486.1	Scaffold2575	278962	CC	AA	1940523666
SNP_P1_250159_278966	NW_004517486.1	Scaffold2575	278966	GG	AA	1940523668
SNP_P1_250160_279043	NW_004517486.1	Scaffold2575	279043	GG	AA	1940523670
SNP_P1_250161_279110	NW_004517486.1	Scaffold2575	279110	CC	TT	1940523672
SNP_P1_250162_279130	NW_004517486.1	Scaffold2575	279130	TT	CC	1940523674
SNP_P1_250163_279153	NW_004517486.1	Scaffold2575	279153	GG	TT	1940523676
SNP_P1_250164_279162	NW_004517486.1	Scaffold2575	279162	GG	AA	1940523678
SNP_P1_250166_279191	NW_004517486.1	Scaffold2575	279191	CC	TT	1940523680
SNP_P1_250167_279240	NW_004517486.1	Scaffold2575	279240	CC	AA	1940523682
SNP_P1_250168_279281	NW_004517486.1	Scaffold2575	279281	AA	GG	1940523684
SNP_P1_250170_279374	NW_004517486.1	Scaffold2575	279374	TT	GG	1940523687
SNP_P1_250171_279381	NW_004517486.1	Scaffold2575	279381	GG	AA	1940523689
SNP_P1_250172_279388	NW_004517486.1	Scaffold2575	279388	AA	GG	1940523691
SNP_P1_250173_279409	NW_004517486.1	Scaffold2575	279409	GG	AA	1940523693
SNP_P1_250174_279483	NW_004517486.1	Scaffold2575	279483	GG	CC	1940523695
SNP_P1_250175_279492	NW_004517486.1	Scaffold2575	279492	GG	AA	1940523697
SNP_P1_250176_279633	NW_004517486.1	Scaffold2575	279633	AA	TT	1940523699
SNP_P1_250177_279836	NW_004517486.1	Scaffold2575	279836	TT	AA	1940523701
SNP_P1_250178_279938	NW_004517486.1	Scaffold2575	279938	CC	AA	1940523703
SNP_P1_250179_280037	NW_004517486.1	Scaffold2575	280037	TT	GG	1940523706
SNP_P1_250181_280089	NW_004517486.1	Scaffold2575	280089	CC	TT	1940523708
SNP_P1_250182_280120	NW_004517486.1	Scaffold2575	280120	CC	TT	1940523710
SNP_P1_250183_280143	NW_004517486.1	Scaffold2575	280143	TT	CC	1940523712
SNP_P1_250185_280221	NW_004517486.1	Scaffold2575	280221	GG	CC	1940523714
SNP_P1_250186_280224	NW_004517486.1	Scaffold2575	280224	TT	CC	1940523716
SNP_P1_250187_280284	NW_004517486.1	Scaffold2575	280284	CC	TT	1940523718
SNP_P1_250188_280317	NW_004517486.1	Scaffold2575	280317	TT	CC	1940523720
SNP_P1_250189_280358	NW_004517486.1	Scaffold2575	280358	AA	CC	1940523722
SNP_P1_250190_280413	NW_004517486.1	Scaffold2575	280413	TT	CC	1940523725
SNP_P1_250191_280425	NW_004517486.1	Scaffold2575	280425	CC	AA	1940523727
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SNP_P1_250194_280562	NW_004517486.1	Scaffold2575	280562	CC	GG	1940523733
SNP_P1_250195_280587	NW_004517486.1	Scaffold2575	280587	CC	TT	1940523735
SNP_P1_250196_280626	NW_004517486.1	Scaffold2575	280626	GG	AA	1940523737
SNP_P1_250197_280639	NW_004517486.1	Scaffold2575	280639	TT	CC	1940523739
SNP_P1_250198_280646	NW_004517486.1	Scaffold2575	280646	AA	TT	1940523741
SNP_P1_250199_280669	NW_004517486.1	Scaffold2575	280669	AA	GG	1940523744
SNP_P1_250200_280673	NW_004517486.1	Scaffold2575	280673	TT	CC	1940523746
SNP_P1_250201_280708	NW_004517486.1	Scaffold2575	280708	GG	AA	1940523748
SNP_P1_250202_280761	NW_004517486.1	Scaffold2575	280761	CC	TT	1940523750
SNP_P1_250203_280810	NW_004517486.1	Scaffold2575	280810	GG	CC	1940523752

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250205_280935	NW_004517486.1	Scaffold2575	280935	AA	GG	1940523756
SNP_P1_250206_280941	NW_004517486.1	Scaffold2575	280941	CC	TT	1940523758
SNP_P1_250207_280945	NW_004517486.1	Scaffold2575	280945	TT	CC	1940523760
SNP_P1_250208_280951	NW_004517486.1	Scaffold2575	280951	GG	AA	1940523763
SNP_P1_250209_281608	NW_004517486.1	Scaffold2575	281608	TT	CC	1940523765
SNP_P1_250210_281631	NW_004517486.1	Scaffold2575	281631	AA	GG	1940523767
SNP_P1_250211_281667	NW_004517486.1	Scaffold2575	281667	TT	AA	1940523769
SNP_P1_250212_281679	NW_004517486.1	Scaffold2575	281679	GG	AA	1940523771
SNP_P1_250213_281695	NW_004517486.1	Scaffold2575	281695	GG	CC	1940523773
SNP_P1_250214_281699	NW_004517486.1	Scaffold2575	281699	CC	TT	1940523775
SNP_P1_250215_281708	NW_004517486.1	Scaffold2575	281708	CC	TT	1940523777
SNP_P1_250216_281724	NW_004517486.1	Scaffold2575	281724	AA	CC	1940523779
SNP_P1_250217_281733	NW_004517486.1	Scaffold2575	281733	GG	AA	1940523782
SNP_P1_250218_281947	NW_004517486.1	Scaffold2575	281947	GG	TT	1940523784
SNP_P1_250219_281958	NW_004517486.1	Scaffold2575	281958	AA	GG	1940523786
SNP_P1_250220_281978	NW_004517486.1	Scaffold2575	281978	AA	TT	1940523788
SNP_P1_250222_282053	NW_004517486.1	Scaffold2575	282053	AA	GG	1940523790
SNP_P1_250223_282077	NW_004517486.1	Scaffold2575	282077	CC	AA	1940523792
SNP_P1_250227_282275	NW_004517486.1	Scaffold2575	282275	TT	GG	1940523794
SNP_P1_250228_282294	NW_004517486.1	Scaffold2575	282294	AA	CC	1940523796
SNP_P1_250229_282383	NW_004517486.1	Scaffold2575	282383	GG	AA	1940523798
SNP_P1_250230_282390	NW_004517486.1	Scaffold2575	282390	CC	TT	1940523801
SNP_P1_250231_282396	NW_004517486.1	Scaffold2575	282396	GG	AA	1940523803
SNP_P1_250232_282428	NW_004517486.1	Scaffold2575	282428	GG	AA	1940523805
SNP_P1_250233_282451	NW_004517486.1	Scaffold2575	282451	CC	TT	1940523807
SNP_P1_250234_282466	NW_004517486.1	Scaffold2575	282466	CC	GG	1940523809
SNP_P1_250236_364	NW_004517487.1	Scaffold2577	364	TT	AA	1940523811
SNP_P1_250237_2874	NW_004517491.1	Scaffold2583	2874	GG	AA	1940523813
SNP_P1_250238_2909	NW_004517491.1	Scaffold2583	2909	AA	GG	1940523815
SNP_P1_250239_1116	NW_004517493.1	Scaffold2585	1116	TT	CC	1940523817
SNP_P1_250240_1190	NW_004517493.1	Scaffold2585	1190	TT	CC	1940523819
SNP_P1_250241_2062	NW_004517495.1	Scaffold2587	2062	TT	CC	1940523822
SNP_P1_250243_7039	NW_004517495.1	Scaffold2587	7039	TT	AA	1940523824
SNP_P1_250244_8177	NW_004517495.1	Scaffold2587	8177	TT	AA	1940523826
SNP_P1_250245_35117	NW_004517495.1	Scaffold2587	35117	GG	AA	1940523828
SNP_P1_250246_35124	NW_004517495.1	Scaffold2587	35124	TT	CC	1940523830
SNP_P1_250247_35171	NW_004517495.1	Scaffold2587	35171	CC	TT	1940523832
SNP_P1_250249_42799	NW_004517495.1	Scaffold2587	42799	TT	CC	1940523834
SNP_P1_250250_46502	NW_004517495.1	Scaffold2587	46502	GG	AA	1940523836
SNP_P1_250251_46608	NW_004517495.1	Scaffold2587	46608	TT	CC	1940523838
SNP_P1_250252_46629	NW_004517495.1	Scaffold2587	46629	CC	AA	1940523841

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_250253_46645	NW_004517495.1	Scaffold2587	46645	CC	TT	1940523843
SNP_P1_250254_46646	NW_004517495.1	Scaffold2587	46646	TT	AA	1940523845
SNP_P1_250255_46648	NW_004517495.1	Scaffold2587	46648	TT	AA	1940523847
SNP_P1_250256_46649	NW_004517495.1	Scaffold2587	46649	CC	AA	1940523849
SNP_P1_250257_46650	NW_004517495.1	Scaffold2587	46650	AA	GG	1940523851
SNP_P1_250258_46653	NW_004517495.1	Scaffold2587	46653	TT	AA	1940523853
SNP_P1_250259_46656	NW_004517495.1	Scaffold2587	46656	GG	AA	1940523855
SNP_P1_250260_47709	NW_004517495.1	Scaffold2587	47709	CC	TT	1940523857
SNP_P1_250261_51933	NW_004517495.1	Scaffold2587	51933	AA	GG	1940523860
SNP_P1_250262_1432	NW_004517496.1	Scaffold2591	1432	TT	CC	1940523862
SNP_P1_250264_1583	NW_004517496.1	Scaffold2591	1583	GG	AA	1940523864
SNP_P1_250265_1883	NW_004517496.1	Scaffold2591	1883	CC	GG	1940523866
SNP_P1_250266_1974	NW_004517496.1	Scaffold2591	1974	GG	AA	1940523868
SNP_P1_250267_1976	NW_004517496.1	Scaffold2591	1976	AA	CC	1940523870
SNP_P1_250268_2005	NW_004517496.1	Scaffold2591	2005	TT	CC	1940523872
SNP_P1_250269_2034	NW_004517496.1	Scaffold2591	2034	AA	CC	1940523874
SNP_P1_250270_2105	NW_004517496.1	Scaffold2591	2105	AA	GG	1940523876
SNP_P1_250271_2194	NW_004517496.1	Scaffold2591	2194	AA	CC	1940523879
SNP_P1_250273_3626	NW_004517496.1	Scaffold2591	3626	AA	CC	1940523881
SNP_P1_250274_5337	NW_004517496.1	Scaffold2591	5337	TT	GG	1940523883
SNP_P1_250275_22528	NW_004517497.1	Scaffold2593	22528	TT	AA	1940523885
SNP_P1_250276_22792	NW_004517497.1	Scaffold2593	22792	GG	AA	1940523887
SNP_P1_250277_22827	NW_004517497.1	Scaffold2593	22827	GG	AA	1940523889
SNP_P1_250278_22862	NW_004517497.1	Scaffold2593	22862	GG	AA	1940523891
SNP_P1_250279_64	NW_004517498.1	Scaffold2594	64	AA	TT	1940523893
SNP_P1_250280_222	NW_004517498.1	Scaffold2594	222	AA	TT	1940523895
SNP_P1_250281_1138	NW_004517498.1	Scaffold2594	1138	AA	TT	1940523898
SNP_P1_250282_1594	NW_004517498.1	Scaffold2594	1594	TT	CC	1940523900
SNP_P1_250283_10141	NW_004517498.1	Scaffold2594	10141	CC	GG	1940523902
SNP_P1_250284_21936	NW_004517498.1	Scaffold2594	21936	CC	TT	1940523904
SNP_P1_250285_22074	NW_004517498.1	Scaffold2594	22074	TT	GG	1940523906
SNP_P1_250286_31936	NW_004517498.1	Scaffold2594	31936	CC	TT	1940523908
SNP_P1_250287_33471	NW_004517498.1	Scaffold2594	33471	GG	TT	1940523910
SNP_P1_250288_33605	NW_004517498.1	Scaffold2594	33605	TT	CC	1940523912
SNP_P1_250289_35442	NW_004517498.1	Scaffold2594	35442	CC	TT	1940523914
SNP_P1_250290_35724	NW_004517498.1	Scaffold2594	35724	CC	TT	1940523917
SNP_P1_250292_1345	NW_004517500.1	Scaffold2596	1345	AA	CC	1940523919
SNP_P1_250293_1407	NW_004517500.1	Scaffold2596	1407	TT	GG	1940523921
SNP_P1_250294_1473	NW_004517500.1	Scaffold2596	1473	CC	TT	1940523923
SNP_P1_250295_1555	NW_004517500.1	Scaffold2596	1555	TT	CC	1940523925
SNP_P1_250296_1558	NW_004517500.1	Scaffold2596	1558	GG	AA	1940523927
SNP_P1_250298_1555	NW_004517501.1	Scaffold2598	1555	AA	GG	1940523929

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250300_6316	NW_004517502.1	Scaffold2599	6316	TT	CC	1940523933
SNP_P1_250301_6585	NW_004517502.1	Scaffold2599	6585	TT	CC	1940523936
SNP_P1_250302_6905	NW_004517502.1	Scaffold2599	6905	GG	AA	1940523938
SNP_P1_250303_6971	NW_004517502.1	Scaffold2599	6971	AA	GG	1940523940
SNP_P1_250304_7023	NW_004517502.1	Scaffold2599	7023	AA	GG	1940523942
SNP_P1_250306_19033	NW_004517502.1	Scaffold2599	19033	AA	TT	1940523944
SNP_P1_250307_19607	NW_004517502.1	Scaffold2599	19607	GG	CC	1940523946
SNP_P1_250308_1937	NW_004517503.1	Scaffold2600	1937	GG	TT	1940523948
SNP_P1_250309_1961	NW_004517503.1	Scaffold2600	1961	TT	GG	1940523950
SNP_P1_250310_1970	NW_004517503.1	Scaffold2600	1970	GG	AA	1940523952
SNP_P1_250311_2018	NW_004517503.1	Scaffold2600	2018	TT	GG	1940523955
SNP_P1_250312_2123	NW_004517503.1	Scaffold2600	2123	TT	AA	1940523957
SNP_P1_250313_2157	NW_004517503.1	Scaffold2600	2157	AA	GG	1940523959
SNP_P1_250314_2217	NW_004517503.1	Scaffold2600	2217	AA	GG	1940523961
SNP_P1_250315_2218	NW_004517503.1	Scaffold2600	2218	AA	TT	1940523963
SNP_P1_250316_9415	NW_004517503.1	Scaffold2600	9415	TT	GG	1940523965
SNP_P1_250317_9478	NW_004517503.1	Scaffold2600	9478	TT	CC	1940523967
SNP_P1_250318_13839	NW_004517503.1	Scaffold2600	13839	TT	AA	1940523969
SNP_P1_250319_13888	NW_004517503.1	Scaffold2600	13888	CC	TT	1940523971
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SNP_P1_250321_12133	NW_004517505.1	Scaffold2602	12133	TT	AA	1940523976
SNP_P1_250322_4956	NW_004517506.1	Scaffold2603	4956	TT	GG	1940523978
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SNP_P1_250324_6269	NW_004517506.1	Scaffold2603	6269	CC	TT	1940523982
SNP_P1_250327_6607	NW_004517506.1	Scaffold2603	6607	CC	TT	1940523984
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SNP_P1_250329_7005	NW_004517506.1	Scaffold2603	7005	GG	AA	1940523988
SNP_P1_250330_7762	NW_004517506.1	Scaffold2603	7762	TT	CC	1940523990
SNP_P1_250333_17492	NW_004517506.1	Scaffold2603	17492	GG	AA	1940523992
SNP_P1_250334_17519	NW_004517506.1	Scaffold2603	17519	TT	CC	1940523995
SNP_P1_250336_41131	NW_004517506.1	Scaffold2603	41131	GG	AA	1940523997
SNP_P1_250337_53720	NW_004517506.1	Scaffold2603	53720	AA	GG	1940523999
SNP_P1_250338_59694	NW_004517506.1	Scaffold2603	59694	GG	AA	1940524001
SNP_P1_250339_67082	NW_004517506.1	Scaffold2603	67082	GG	AA	1940524003
SNP_P1_250340_67352	NW_004517506.1	Scaffold2603	67352	TT	CC	1940524005
SNP_P1_250342_67475	NW_004517506.1	Scaffold2603	67475	AA	TT	1940524007
SNP_P1_250343_67491	NW_004517506.1	Scaffold2603	67491	AA	TT	1940524009
SNP_P1_250344_67573	NW_004517506.1	Scaffold2603	67573	CC	TT	1940524011
SNP_P1_250345_67642	NW_004517506.1	Scaffold2603	67642	TT	AA	1940524014
SNP_P1_250346_67652	NW_004517506.1	Scaffold2603	67652	GG	AA	1940524016
SNP_P1_250347_67654	NW_004517506.1	Scaffold2603	67654	CC	TT	1940524018

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250349_67716	NW_004517506.1	Scaffold2603	67716	GG	CC	1940524022
SNP_P1_250350_67741	NW_004517506.1	Scaffold2603	67741	AA	CC	1940524024
SNP_P1_250351_67828	NW_004517506.1	Scaffold2603	67828	AA	GG	1940524026
SNP_P1_250352_67851	NW_004517506.1	Scaffold2603	67851	TT	AA	1940524028
SNP_P1_250353_67858	NW_004517506.1	Scaffold2603	67858	TT	CC	1940524030
SNP_P1_250354_67860	NW_004517506.1	Scaffold2603	67860	AA	GG	1940524033
SNP_P1_250355_67870	NW_004517506.1	Scaffold2603	67870	AA	GG	1940524035
SNP_P1_250356_67889	NW_004517506.1	Scaffold2603	67889	TT	AA	1940524037
SNP_P1_250357_67927	NW_004517506.1	Scaffold2603	67927	AA	GG	1940524039
SNP_P1_250358_4357	NW_004517507.1	Scaffold2604	4357	GG	CC	1940524041
SNP_P1_250359_1408	NW_004517509.1	Scaffold2606	1408	TT	CC	1940524043
SNP_P1_250360_1449	NW_004517509.1	Scaffold2606	1449	TT	GG	1940524045
SNP_P1_250361_1615	NW_004517509.1	Scaffold2606	1615	GG	AA	1940524047
SNP_P1_250362_1620	NW_004517509.1	Scaffold2606	1620	TT	CC	1940524049
SNP_P1_250363_1622	NW_004517509.1	Scaffold2606	1622	AA	GG	1940524052
SNP_P1_250364_4195	NW_004517509.1	Scaffold2606	4195	TT	CC	1940524054
SNP_P1_250365_4201	NW_004517509.1	Scaffold2606	4201	CC	TT	1940524056
SNP_P1_250366_4267	NW_004517509.1	Scaffold2606	4267	CC	TT	1940524058
SNP_P1_250367_4329	NW_004517509.1	Scaffold2606	4329	CC	TT	1940524060
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SNP_P1_250373_22323	NW_004517509.1	Scaffold2606	22323	AA	GG	1940524073
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SNP_P1_250375_27760	NW_004517509.1	Scaffold2606	27760	TT	GG	1940524077
SNP_P1_250376_27785	NW_004517509.1	Scaffold2606	27785	TT	CC	1940524079
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SNP_P1_250378_28753	NW_004517509.1	Scaffold2606	28753	TT	CC	1940524083
SNP_P1_250379_28777	NW_004517509.1	Scaffold2606	28777	AA	GG	1940524085
SNP_P1_250380_28821	NW_004517509.1	Scaffold2606	28821	TT	CC	1940524087
SNP_P1_250381_28848	NW_004517509.1	Scaffold2606	28848	TT	CC	1940524089
SNP_P1_250382_28853	NW_004517509.1	Scaffold2606	28853	AA	GG	1940524092
SNP_P1_250383_30798	NW_004517509.1	Scaffold2606	30798	TT	CC	1940524094
SNP_P1_250384_31949	NW_004517509.1	Scaffold2606	31949	AA	GG	1940524096
SNP_P1_250385_64	NW_004517510.1	Scaffold2607	64	TT	CC	1940524098
SNP_P1_250386_91	NW_004517510.1	Scaffold2607	91	TT	AA	1940524100
SNP_P1_250387_155	NW_004517510.1	Scaffold2607	155	GG	TT	1940524102
SNP_P1_250388_306	NW_004517510.1	Scaffold2607	306	CC	GG	1940524104
SNP_P1_250389_438	NW_004517510.1	Scaffold2607	438	TT	GG	1940524106

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_250390_465	NW_004517510.1	Scaffold2607	465	AA	GG	1940524108
SNP_P1_250391_483	NW_004517510.1	Scaffold2607	483	TT	AA	1940524111
SNP_P1_250392_933	NW_004517510.1	Scaffold2607	933	GG	CC	1940524113
SNP_P1_250393_1009	NW_004517510.1	Scaffold2607	1009	AA	TT	1940524115
SNP_P1_250394_1374	NW_004517510.1	Scaffold2607	1374	GG	TT	1940524117
SNP_P1_250395_1268	NW_004517511.1	Scaffold2608	1268	TT	CC	1940524119
SNP_P1_250396_1270	NW_004517511.1	Scaffold2608	1270	CC	TT	1940524121
SNP_P1_250397_5387	NW_004517514.1	Scaffold2612	5387	AA	GG	1940524123
SNP_P1_250398_5607	NW_004517514.1	Scaffold2612	5607	AA	TT	1940524125
SNP_P1_250399_5886	NW_004517514.1	Scaffold2612	5886	AA	GG	1940524127
SNP_P1_250400_5944	NW_004517514.1	Scaffold2612	5944	CC	TT	1940524130
SNP_P1_250401_5981	NW_004517514.1	Scaffold2612	5981	CC	TT	1940524132
SNP_P1_250402_6051	NW_004517514.1	Scaffold2612	6051	GG	AA	1940524134
SNP_P1_250403_6091	NW_004517514.1	Scaffold2612	6091	TT	AA	1940524136
SNP_P1_250404_6165	NW_004517514.1	Scaffold2612	6165	TT	AA	1940524138
SNP_P1_250405_6531	NW_004517514.1	Scaffold2612	6531	CC	TT	1940524140
SNP_P1_250406_6629	NW_004517514.1	Scaffold2612	6629	AA	TT	1940524142
SNP_P1_250407_6640	NW_004517514.1	Scaffold2612	6640	GG	CC	1940524144
SNP_P1_250408_6724	NW_004517514.1	Scaffold2612	6724	TT	CC	1940524146
SNP_P1_250409_8021	NW_004517514.1	Scaffold2612	8021	CC	TT	1940524148
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SNP_P1_250412_5857	NW_004517515.1	Scaffold2613	5857	CC	TT	1940524155
SNP_P1_250413_168	NW_004517517.1	Scaffold2615	168	AA	GG	1940524157
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SNP_P1_250417_1270	NW_004517518.1	Scaffold2616	1270	CC	AA	1940524165
SNP_P1_250418_3061	NW_004517518.1	Scaffold2616	3061	AA	GG	1940524167
SNP_P1_250419_3064	NW_004517518.1	Scaffold2616	3064	TT	CC	1940524170
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SNP_P1_250421_8722	NW_004517518.1	Scaffold2616	8722	TT	CC	1940524174
SNP_P1_250422_12816	NW_004517518.1	Scaffold2616	12816	TT	AA	1940524176
SNP_P1_250423_15073	NW_004517519.1	Scaffold2617	15073	AA	TT	1940524178
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SNP_P1_250425_29771	NW_004517519.1	Scaffold2617	29771	CC	AA	1940524182
SNP_P1_250427_30029	NW_004517519.1	Scaffold2617	30029	GG	AA	1940524184
SNP_P1_250428_30035	NW_004517519.1	Scaffold2617	30035	GG	AA	1940524186
SNP_P1_250429_31408	NW_004517519.1	Scaffold2617	31408	AA	CC	1940524189
SNP_P1_250430_31652	NW_004517519.1	Scaffold2617	31652	GG	TT	1940524191
SNP_P1_250431_31678	NW_004517519.1	Scaffold2617	31678	CC	TT	1940524193
SNP_P1_250432_31715	NW_004517519.1	Scaffold2617	31715	AA	GG	1940524195

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250436_81525	NW_004517519.1	Scaffold2617	81525	TT	GG	1940524201
SNP_P1_250437_81529	NW_004517519.1	Scaffold2617	81529	AA	CC	1940524203
SNP_P1_250438_110076	NW_004517519.1	Scaffold2617	110076	GG	TT	1940524205
SNP_P1_250439_110173	NW_004517519.1	Scaffold2617	110173	AA	CC	1940524208
SNP_P1_250440_110377	NW_004517519.1	Scaffold2617	110377	TT	GG	1940524210
SNP_P1_250441_110443	NW_004517519.1	Scaffold2617	110443	TT	GG	1940524212
SNP_P1_250442_110454	NW_004517519.1	Scaffold2617	110454	AA	TT	1940524214
SNP_P1_250443_110476	NW_004517519.1	Scaffold2617	110476	TT	GG	1940524216
SNP_P1_250444_110479	NW_004517519.1	Scaffold2617	110479	AA	GG	1940524218
SNP_P1_250445_110489	NW_004517519.1	Scaffold2617	110489	AA	GG	1940524220
SNP_P1_250446_110513	NW_004517519.1	Scaffold2617	110513	TT	CC	1940524222
SNP_P1_250448_110579	NW_004517519.1	Scaffold2617	110579	TT	CC	1940524224
SNP_P1_250449_111125	NW_004517519.1	Scaffold2617	111125	AA	GG	1940524227
SNP_P1_250450_111189	NW_004517519.1	Scaffold2617	111189	AA	GG	1940524229
SNP_P1_250451_111540	NW_004517519.1	Scaffold2617	111540	AA	GG	1940524231
SNP_P1_250452_111603	NW_004517519.1	Scaffold2617	111603	TT	AA	1940524233
SNP_P1_250453_111627	NW_004517519.1	Scaffold2617	111627	GG	AA	1940524235
SNP_P1_250454_111665	NW_004517519.1	Scaffold2617	111665	AA	GG	1940524237
SNP_P1_250455_111704	NW_004517519.1	Scaffold2617	111704	AA	GG	1940524239
SNP_P1_250456_111767	NW_004517519.1	Scaffold2617	111767	GG	AA	1940524242
SNP_P1_250457_111878	NW_004517519.1	Scaffold2617	111878	TT	CC	1940524244
SNP_P1_250458_111940	NW_004517519.1	Scaffold2617	111940	TT	CC	1940524246
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SNP_P1_250460_112050	NW_004517519.1	Scaffold2617	112050	AA	GG	1940524250
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SNP_P1_250462_112174	NW_004517519.1	Scaffold2617	112174	AA	TT	1940524254
SNP_P1_250463_112268	NW_004517519.1	Scaffold2617	112268	CC	AA	1940524256
SNP_P1_250464_112284	NW_004517519.1	Scaffold2617	112284	GG	TT	1940524259
SNP_P1_250465_112285	NW_004517519.1	Scaffold2617	112285	TT	CC	1940524261
SNP_P1_250466_112338	NW_004517519.1	Scaffold2617	112338	TT	CC	1940524263
SNP_P1_250467_112383	NW_004517519.1	Scaffold2617	112383	GG	AA	1940524265
SNP_P1_250468_138852	NW_004517519.1	Scaffold2617	138852	CC	TT	1940524267
SNP_P1_250469_139060	NW_004517519.1	Scaffold2617	139060	TT	CC	1940524269
SNP_P1_250470_150643	NW_004517519.1	Scaffold2617	150643	TT	CC	1940524271
SNP_P1_250471_153755	NW_004517519.1	Scaffold2617	153755	GG	TT	1940524273
SNP_P1_250472_165756	NW_004517519.1	Scaffold2617	165756	GG	AA	1940524275
SNP_P1_250473_195189	NW_004517519.1	Scaffold2617	195189	TT	CC	1940524278
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SNP_P1_250475_195301	NW_004517519.1	Scaffold2617	195301	GG	TT	1940524282
SNP_P1_250477_231180	NW_004517519.1	Scaffold2617	231180	CC	TT	1940524284

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250481_249153	NW_004517519.1	Scaffold2617	249153	AA	TT	1940524290
SNP_P1_250482_252899	NW_004517519.1	Scaffold2617	252899	CC	AA	1940524292
SNP_P1_250483_277543	NW_004517519.1	Scaffold2617	277543	AA	TT	1940524294
SNP_P1_250484_303158	NW_004517519.1	Scaffold2617	303158	CC	TT	1940524297
SNP_P1_250486_320743	NW_004517519.1	Scaffold2617	320743	GG	AA	1940524299
SNP_P1_250487_320833	NW_004517519.1	Scaffold2617	320833	GG	TT	1940524301
SNP_P1_250489_321162	NW_004517519.1	Scaffold2617	321162	GG	TT	1940524303
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SNP_P1_250491_321424	NW_004517519.1	Scaffold2617	321424	TT	GG	1940524307
SNP_P1_250493_321495	NW_004517519.1	Scaffold2617	321495	CC	AA	1940524309
SNP_P1_250494_321773	NW_004517519.1	Scaffold2617	321773	TT	CC	1940524311
SNP_P1_250496_321846	NW_004517519.1	Scaffold2617	321846	AA	TT	1940524313
SNP_P1_250497_321848	NW_004517519.1	Scaffold2617	321848	TT	AA	1940524315
SNP_P1_250499_322065	NW_004517519.1	Scaffold2617	322065	GG	TT	1940524318
SNP_P1_250500_322080	NW_004517519.1	Scaffold2617	322080	TT	AA	1940524320
SNP_P1_250501_322085	NW_004517519.1	Scaffold2617	322085	GG	AA	1940524322
SNP_P1_250502_322219	NW_004517519.1	Scaffold2617	322219	TT	CC	1940524324
SNP_P1_250503_322284	NW_004517519.1	Scaffold2617	322284	CC	TT	1940524326
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SNP_P1_250511_322643	NW_004517519.1	Scaffold2617	322643	GG	AA	1940524343
SNP_P1_250512_322858	NW_004517519.1	Scaffold2617	322858	AA	GG	1940524345
SNP_P1_250513_322894	NW_004517519.1	Scaffold2617	322894	TT	CC	1940524347
SNP_P1_250514_322934	NW_004517519.1	Scaffold2617	322934	CC	GG	1940524349
SNP_P1_250515_322937	NW_004517519.1	Scaffold2617	322937	AA	TT	1940524351
SNP_P1_250516_322943	NW_004517519.1	Scaffold2617	322943	CC	TT	1940524353
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SNP_P1_250518_323015	NW_004517519.1	Scaffold2617	323015	TT	AA	1940524358
SNP_P1_250519_323030	NW_004517519.1	Scaffold2617	323030	AA	GG	1940524360
SNP_P1_250520_323067	NW_004517519.1	Scaffold2617	323067	GG	TT	1940524362
SNP_P1_250521_323077	NW_004517519.1	Scaffold2617	323077	AA	GG	1940524364
SNP_P1_250522_323247	NW_004517519.1	Scaffold2617	323247	GG	TT	1940524366
SNP_P1_250523_323891	NW_004517519.1	Scaffold2617	323891	TT	CC	1940524368
SNP_P1_250524_323920	NW_004517519.1	Scaffold2617	323920	AA	GG	1940524370
SNP_P1_250525_324251	NW_004517519.1	Scaffold2617	324251	CC	GG	1940524372

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250528_342777	NW_004517519.1	Scaffold2617	342777	AA	CC	1940524377
SNP_P1_250529_353570	NW_004517519.1	Scaffold2617	353570	GG	AA	1940524379
SNP_P1_250530_371466	NW_004517519.1	Scaffold2617	371466	TT	GG	1940524381
SNP_P1_250531_371480	NW_004517519.1	Scaffold2617	371480	TT	CC	1940524383
SNP_P1_250532_382303	NW_004517519.1	Scaffold2617	382303	GG	AA	1940524385
SNP_P1_250533_402214	NW_004517519.1	Scaffold2617	402214	AA	GG	1940524387
SNP_P1_250534_402425	NW_004517519.1	Scaffold2617	402425	AA	TT	1940524389
SNP_P1_250537_402545	NW_004517519.1	Scaffold2617	402545	AA	TT	1940524391
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SNP_P1_250539_402678	NW_004517519.1	Scaffold2617	402678	CC	AA	1940524396
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SNP_P1_250542_402803	NW_004517519.1	Scaffold2617	402803	AA	GG	1940524400
SNP_P1_250543_402910	NW_004517519.1	Scaffold2617	402910	AA	GG	1940524402
SNP_P1_250544_406944	NW_004517519.1	Scaffold2617	406944	TT	CC	1940524404
SNP_P1_250545_444472	NW_004517519.1	Scaffold2617	444472	TT	CC	1940524406
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SNP_P1_250565_514242	NW_004517519.1	Scaffold2617	514242	AA	TT	1940524448
SNP_P1_250566_514273	NW_004517519.1	Scaffold2617	514273	AA	TT	1940524450
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SNP_P1_250570_4263	NW_004517520.1	Scaffold2618	4263	AA	CC	1940524457
SNP_P1_250571_4268	NW_004517520.1	Scaffold2618	4268	GG	TT	1940524459
SNP_P1_250572_4337	NW_004517520.1	Scaffold2618	4337	GG	AA	1940524461

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250576_26652	NW_004517521.1	Scaffold2620	26652	CC	TT	1940524467
SNP_P1_250577_26680	NW_004517521.1	Scaffold2620	26680	GG	AA	1940524469
SNP_P1_250578_26704	NW_004517521.1	Scaffold2620	26704	AA	GG	1940524471
SNP_P1_250579_27939	NW_004517521.1	Scaffold2620	27939	AA	GG	1940524474
SNP_P1_250580_27978	NW_004517521.1	Scaffold2620	27978	AA	GG	1940524476
SNP_P1_250581_28041	NW_004517521.1	Scaffold2620	28041	AA	TT	1940524478
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SNP_P1_250583_28072	NW_004517521.1	Scaffold2620	28072	CC	TT	1940524482
SNP_P1_250584_28146	NW_004517521.1	Scaffold2620	28146	CC	GG	1940524484
SNP_P1_250585_28231	NW_004517521.1	Scaffold2620	28231	CC	TT	1940524486
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SNP_P1_250593_28390	NW_004517521.1	Scaffold2620	28390	AA	GG	1940524503
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SNP_P1_250595_28412	NW_004517521.1	Scaffold2620	28412	GG	TT	1940524507
SNP_P1_250596_28484	NW_004517521.1	Scaffold2620	28484	GG	TT	1940524509
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SNP_P1_250600_28599	NW_004517521.1	Scaffold2620	28599	TT	AA	1940524514
SNP_P1_250601_28603	NW_004517521.1	Scaffold2620	28603	CC	TT	1940524516
SNP_P1_250602_28610	NW_004517521.1	Scaffold2620	28610	AA	GG	1940524518
SNP_P1_250603_28998	NW_004517521.1	Scaffold2620	28998	AA	TT	1940524520
SNP_P1_250604_29311	NW_004517521.1	Scaffold2620	29311	AA	CC	1940524522
SNP_P1_250605_30385	NW_004517521.1	Scaffold2620	30385	AA	CC	1940524524
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SNP_P1_250613_5468	NW_004517522.1	Scaffold2621	5468	GG	AA	1940524541
SNP_P1_250614_5619	NW_004517522.1	Scaffold2621	5619	TT	CC	1940524543
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SNP_P1_250616_5653	NW_004517522.1	Scaffold2621	5653	GG	AA	1940524547
SNP_P1_250617_5677	NW_004517522.1	Scaffold2621	5677	AA	TT	1940524550

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250619_5760	NW_004517522.1	Scaffold2621	5760	GG	CC	1940524554
SNP_P1_250620_6469	NW_004517522.1	Scaffold2621	6469	TT	CC	1940524556
SNP_P1_250621_6520	NW_004517522.1	Scaffold2621	6520	GG	TT	1940524558
SNP_P1_250623_6928	NW_004517522.1	Scaffold2621	6928	TT	CC	1940524560
SNP_P1_250624_723	NW_004517523.1	Scaffold2623	723	AA	TT	1940524562
SNP_P1_250625_824	NW_004517523.1	Scaffold2623	824	GG	TT	1940524564
SNP_P1_250626_1208	NW_004517524.1	Scaffold2624	1208	TT	AA	1940524566
SNP_P1_250627_9932	NW_004517524.1	Scaffold2624	9932	TT	CC	1940524569
SNP_P1_250628_13967	NW_004517524.1	Scaffold2624	13967	CC	AA	1940524571
SNP_P1_250629_14073	NW_004517524.1	Scaffold2624	14073	CC	GG	1940524573
SNP_P1_250630_14536	NW_004517524.1	Scaffold2624	14536	TT	CC	1940524575
SNP_P1_250631_14677	NW_004517524.1	Scaffold2624	14677	AA	GG	1940524577
SNP_P1_250632_16424	NW_004517524.1	Scaffold2624	16424	TT	AA	1940524579
SNP_P1_250633_21787	NW_004517524.1	Scaffold2624	21787	TT	GG	1940524581
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SNP_P1_250640_990	NW_004517526.1	Scaffold2626	990	AA	GG	1940524594
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SNP_P1_250644_1191	NW_004517526.1	Scaffold2626	1191	AA	GG	1940524602
SNP_P1_250645_1200	NW_004517526.1	Scaffold2626	1200	GG	AA	1940524604
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SNP_P1_250649_449	NW_004517530.1	Scaffold2633	449	TT	AA	1940524611
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SNP_P1_250658_22672	NW_004517530.1	Scaffold2633	22672	AA	GG	1940524630
SNP_P1_250659_22675	NW_004517530.1	Scaffold2633	22675	AA	GG	1940524632
SNP_P1_250660_25409	NW_004517530.1	Scaffold2633	25409	TT	CC	1940524634
SNP_P1_250661_2661	NW_004517533.1	Scaffold2637	2661	CC	TT	1940524636
SNP_P1_250662_3030	NW_004517533.1	Scaffold2637	3030	TT	GG	1940524638

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250666_6413	NW_004517535.1	Scaffold2639	6413	CC	AA	1940524647
SNP_P1_250667_1480	NW_004517536.1	Scaffold2642	1480	GG	TT	1940524649
SNP_P1_250668_1299	NW_004517537.1	Scaffold2644	1299	CC	TT	1940524651
SNP_P1_250669_6590	NW_004517537.1	Scaffold2644	6590	TT	CC	1940524653
SNP_P1_250670_7054	NW_004517537.1	Scaffold2644	7054	TT	GG	1940524655
SNP_P1_250671_7087	NW_004517537.1	Scaffold2644	7087	TT	AA	1940524657
SNP_P1_250672_10679	NW_004517537.1	Scaffold2644	10679	AA	CC	1940524659
SNP_P1_250673_11882	NW_004517537.1	Scaffold2644	11882	AA	TT	1940524661
SNP_P1_250674_11984	NW_004517537.1	Scaffold2644	11984	CC	TT	1940524663
SNP_P1_250675_12112	NW_004517537.1	Scaffold2644	12112	AA	GG	1940524665
SNP_P1_250676_12136	NW_004517537.1	Scaffold2644	12136	TT	AA	1940524668
SNP_P1_250677_12236	NW_004517537.1	Scaffold2644	12236	CC	TT	1940524670
SNP_P1_250678_12237	NW_004517537.1	Scaffold2644	12237	CC	TT	1940524672
SNP_P1_250679_19919	NW_004517537.1	Scaffold2644	19919	AA	GG	1940524674
SNP_P1_250680_21483	NW_004517537.1	Scaffold2644	21483	GG	TT	1940524676
SNP_P1_250681_21573	NW_004517537.1	Scaffold2644	21573	AA	GG	1940524678
SNP_P1_250682_21621	NW_004517537.1	Scaffold2644	21621	AA	GG	1940524680
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SNP_P1_250685_21921	NW_004517537.1	Scaffold2644	21921	AA	GG	1940524687
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SNP_P1_250687_23115	NW_004517537.1	Scaffold2644	23115	AA	GG	1940524691
SNP_P1_250688_23616	NW_004517537.1	Scaffold2644	23616	CC	AA	1940524693
SNP_P1_250689_23631	NW_004517537.1	Scaffold2644	23631	AA	GG	1940524695
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SNP_P1_250692_25218	NW_004517537.1	Scaffold2644	25218	AA	GG	1940524701
SNP_P1_250693_25221	NW_004517537.1	Scaffold2644	25221	CC	TT	1940524703
SNP_P1_250694_3576	NW_004517538.1	Scaffold2645	3576	AA	GG	1940524706
SNP_P1_250695_3601	NW_004517538.1	Scaffold2645	3601	GG	TT	1940524708
SNP_P1_250696_312	NW_004517539.1	Scaffold2646	312	GG	TT	1940524710
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SNP_P1_250700_27262	NW_004517541.1	Scaffold2649	27262	TT	CC	1940524718
SNP_P1_250702_27733	NW_004517541.1	Scaffold2649	27733	AA	GG	1940524720
SNP_P1_250703_27784	NW_004517541.1	Scaffold2649	27784	TT	CC	1940524722
SNP_P1_250704_134	NW_004517542.1	Scaffold2650	134	GG	AA	1940524725
SNP_P1_250706_187	NW_004517543.1	Scaffold2651	187	TT	AA	1940524727

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250708_506	NW_004517543.1	Scaffold2651	506	TT	CC	1940524731
SNP_P1_250709_987	NW_004517543.1	Scaffold2651	987	AA	GG	1940524733
SNP_P1_250711_4304	NW_004517543.1	Scaffold2651	4304	CC	GG	1940524735
SNP_P1_250712_4329	NW_004517543.1	Scaffold2651	4329	AA	GG	1940524737
SNP_P1_250713_4448	NW_004517543.1	Scaffold2651	4448	TT	AA	1940524739
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SNP_P1_250716_4689	NW_004517543.1	Scaffold2651	4689	GG	CC	1940524746
SNP_P1_250717_9843	NW_004517543.1	Scaffold2651	9843	AA	CC	1940524748
SNP_P1_250718_12982	NW_004517543.1	Scaffold2651	12982	TT	AA	1940524750
SNP_P1_250719_17656	NW_004517543.1	Scaffold2651	17656	CC	AA	1940524752
SNP_P1_250720_17695	NW_004517543.1	Scaffold2651	17695	TT	CC	1940524754
SNP_P1_250721_17988	NW_004517543.1	Scaffold2651	17988	CC	AA	1940524756
SNP_P1_250722_17989	NW_004517543.1	Scaffold2651	17989	TT	CC	1940524758
SNP_P1_250723_18054	NW_004517543.1	Scaffold2651	18054	GG	CC	1940524760
SNP_P1_250724_32173	NW_004517543.1	Scaffold2651	32173	AA	TT	1940524763
SNP_P1_250725_32341	NW_004517543.1	Scaffold2651	32341	AA	TT	1940524765
SNP_P1_250726_32356	NW_004517543.1	Scaffold2651	32356	AA	CC	1940524767
SNP_P1_250727_32414	NW_004517543.1	Scaffold2651	32414	GG	TT	1940524769
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SNP_P1_250729_32560	NW_004517543.1	Scaffold2651	32560	CC	GG	1940524773
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SNP_P1_250734_41886	NW_004517543.1	Scaffold2651	41886	CC	AA	1940524784
SNP_P1_250735_41887	NW_004517543.1	Scaffold2651	41887	CC	TT	1940524786
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SNP_P1_250738_42349	NW_004517543.1	Scaffold2651	42349	AA	GG	1940524792
SNP_P1_250739_12930	NW_004517544.1	Scaffold2653	12930	TT	CC	1940524794
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SNP_P1_250743_14357	NW_004517544.1	Scaffold2653	14357	AA	CC	1940524803
SNP_P1_250744_14381	NW_004517544.1	Scaffold2653	14381	GG	AA	1940524805
SNP_P1_250745_14550	NW_004517544.1	Scaffold2653	14550	GG	CC	1940524807
SNP_P1_250746_14559	NW_004517544.1	Scaffold2653	14559	TT	CC	1940524809
SNP_P1_250747_14742	NW_004517544.1	Scaffold2653	14742	TT	CC	1940524811
SNP_P1_250748_25423	NW_004517544.1	Scaffold2653	25423	TT	GG	1940524813
SNP_P1_250749_29239	NW_004517544.1	Scaffold2653	29239	AA	GG	1940524815

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250752_4199	NW_004517546.1	Scaffold2655	4199	CC	TT	1940524822
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SNP_P1_250754_1674	NW_004517547.1	Scaffold2660	1674	CC	AA	1940524826
SNP_P1_250755_3820	NW_004517547.1	Scaffold2660	3820	AA	TT	1940524828
SNP_P1_250756_4302	NW_004517547.1	Scaffold2660	4302	GG	AA	1940524830
SNP_P1_250758_7732	NW_004517547.1	Scaffold2660	7732	CC	GG	1940524832
SNP_P1_250759_12300	NW_004517547.1	Scaffold2660	12300	TT	AA	1940524834
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SNP_P1_250762_825	NW_004517548.1	Scaffold2662	825	CC	AA	1940524839
SNP_P1_250763_1284	NW_004517548.1	Scaffold2662	1284	TT	GG	1940524841
SNP_P1_250765_1557	NW_004517548.1	Scaffold2662	1557	TT	CC	1940524843
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SNP_P1_250768_25841	NW_004517548.1	Scaffold2662	25841	GG	TT	1940524847
SNP_P1_250770_26414	NW_004517548.1	Scaffold2662	26414	TT	GG	1940524849
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SNP_P1_250788_67819	NW_004517548.1	Scaffold2662	67819	AA	GG	1940524881
SNP_P1_250789_70640	NW_004517548.1	Scaffold2662	70640	CC	AA	1940524883
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SNP_P1_250791_2015	NW_004517549.1	Scaffold2663	2015	CC	AA	1940524887
SNP_P1_250792_2414	NW_004517549.1	Scaffold2663	2414	CC	TT	1940524889
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SNP_P1_250798_9014	NW_004517550.1	Scaffold2664	9014	CC	TT	1940524902
SNP_P1_250799_10412	NW_004517550.1	Scaffold2664	10412	GG	TT	1940524904

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250802_13231	NW_004517553.1	Scaffold2668	13231	CC	TT	1940524910
SNP_P1_250803_13262	NW_004517553.1	Scaffold2668	13262	AA	GG	1940524912
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SNP_P1_250818_11960	NW_004517554.1	Scaffold2669	11960	GG	CC	1940524942
SNP_P1_250819_11991	NW_004517554.1	Scaffold2669	11991	GG	TT	1940524944
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SNP_P1_250821_12103	NW_004517554.1	Scaffold2669	12103	CC	TT	1940524948
SNP_P1_250822_12116	NW_004517554.1	Scaffold2669	12116	TT	CC	1940524950
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SNP_P1_250825_12256	NW_004517554.1	Scaffold2669	12256	TT	CC	1940524957
SNP_P1_250826_12270	NW_004517554.1	Scaffold2669	12270	CC	AA	1940524959
SNP_P1_250827_12293	NW_004517554.1	Scaffold2669	12293	CC	TT	1940524961
SNP_P1_250828_12316	NW_004517554.1	Scaffold2669	12316	CC	TT	1940524963
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SNP_P1_250830_12341	NW_004517554.1	Scaffold2669	12341	AA	GG	1940524967
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SNP_P1_250835_12682	NW_004517554.1	Scaffold2669	12682	TT	AA	1940524978
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SNP_P1_250840_15941	NW_004517554.1	Scaffold2669	15941	CC	TT	1940524986
SNP_P1_250841_15950	NW_004517554.1	Scaffold2669	15950	AA	CC	1940524988
SNP_P1_250843_16452	NW_004517554.1	Scaffold2669	16452	AA	GG	1940524990
SNP_P1_250844_1224	NW_004517555.1	Scaffold2670	1224	CC	GG	1940524992

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250849_1367	NW_004517555.1	Scaffold2670	1367	AA	GG	1940525003
SNP_P1_250850_1406	NW_004517555.1	Scaffold2670	1406	GG	AA	1940525005
SNP_P1_250851_1443	NW_004517555.1	Scaffold2670	1443	TT	CC	1940525007
SNP_P1_250852_1469	NW_004517555.1	Scaffold2670	1469	AA	TT	1940525009
SNP_P1_250853_1539	NW_004517555.1	Scaffold2670	1539	AA	TT	1940525011
SNP_P1_250854_1584	NW_004517555.1	Scaffold2670	1584	AA	TT	1940525013
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SNP_P1_250859_1706	NW_004517555.1	Scaffold2670	1706	AA	TT	1940525024
SNP_P1_250860_1710	NW_004517555.1	Scaffold2670	1710	TT	CC	1940525026
SNP_P1_250861_1711	NW_004517555.1	Scaffold2670	1711	CC	AA	1940525028
SNP_P1_250862_1712	NW_004517555.1	Scaffold2670	1712	GG	AA	1940525030
SNP_P1_250863_5024	NW_004517555.1	Scaffold2670	5024	TT	CC	1940525032
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SNP_P1_250866_5086	NW_004517555.1	Scaffold2670	5086	TT	CC	1940525039
SNP_P1_250867_5740	NW_004517555.1	Scaffold2670	5740	TT	CC	1940525041
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SNP_P1_250869_8947	NW_004517555.1	Scaffold2670	8947	CC	TT	1940525045
SNP_P1_250870_11568	NW_004517555.1	Scaffold2670	11568	TT	CC	1940525047
SNP_P1_250871_11634	NW_004517555.1	Scaffold2670	11634	TT	CC	1940525049
SNP_P1_250872_11635	NW_004517555.1	Scaffold2670	11635	GG	AA	1940525051
SNP_P1_250873_11636	NW_004517555.1	Scaffold2670	11636	AA	CC	1940525053
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SNP_P1_250875_25987	NW_004517555.1	Scaffold2670	25987	AA	GG	1940525058
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SNP_P1_250878_26215	NW_004517555.1	Scaffold2670	26215	AA	GG	1940525064
SNP_P1_250879_26219	NW_004517555.1	Scaffold2670	26219	AA	CC	1940525066
SNP_P1_250880_26220	NW_004517555.1	Scaffold2670	26220	AA	TT	1940525068
SNP_P1_250881_26227	NW_004517555.1	Scaffold2670	26227	AA	TT	1940525070
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SNP_P1_250884_26351	NW_004517555.1	Scaffold2670	26351	TT	CC	1940525077
SNP_P1_250885_26411	NW_004517555.1	Scaffold2670	26411	CC	GG	1940525079
SNP_P1_250886_26510	NW_004517555.1	Scaffold2670	26510	CC	TT	1940525081

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250890_26650	NW_004517555.1	Scaffold2670	26650	CC	AA	1940525089
SNP_P1_250891_26670	NW_004517555.1	Scaffold2670	26670	GG	TT	1940525091
SNP_P1_250892_26812	NW_004517555.1	Scaffold2670	26812	AA	GG	1940525094
SNP_P1_250893_26836	NW_004517555.1	Scaffold2670	26836	AA	GG	1940525096
SNP_P1_250894_26849	NW_004517555.1	Scaffold2670	26849	AA	GG	1940525098
SNP_P1_250895_26851	NW_004517555.1	Scaffold2670	26851	AA	CC	1940525100
SNP_P1_250896_26865	NW_004517555.1	Scaffold2670	26865	AA	TT	1940525102
SNP_P1_250897_26881	NW_004517555.1	Scaffold2670	26881	AA	CC	1940525104
SNP_P1_250898_30558	NW_004517555.1	Scaffold2670	30558	AA	CC	1940525106
SNP_P1_250899_34890	NW_004517555.1	Scaffold2670	34890	CC	GG	1940525108
SNP_P1_250900_34923	NW_004517555.1	Scaffold2670	34923	TT	CC	1940525110
SNP_P1_250901_34949	NW_004517555.1	Scaffold2670	34949	CC	AA	1940525113
SNP_P1_250902_36699	NW_004517555.1	Scaffold2670	36699	CC	GG	1940525115
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SNP_P1_250904_36771	NW_004517555.1	Scaffold2670	36771	TT	CC	1940525119
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SNP_P1_250908_36909	NW_004517555.1	Scaffold2670	36909	CC	TT	1940525125
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SNP_P1_250919_42787	NW_004517555.1	Scaffold2670	42787	AA	GG	1940525148
SNP_P1_250920_42835	NW_004517555.1	Scaffold2670	42835	CC	GG	1940525150
SNP_P1_250922_42951	NW_004517555.1	Scaffold2670	42951	CC	TT	1940525153
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SNP_P1_250924_42968	NW_004517555.1	Scaffold2670	42968	CC	TT	1940525157
SNP_P1_250925_43022	NW_004517555.1	Scaffold2670	43022	GG	CC	1940525159
SNP_P1_250926_43090	NW_004517555.1	Scaffold2670	43090	GG	AA	1940525161
SNP_P1_250927_43106	NW_004517555.1	Scaffold2670	43106	CC	TT	1940525163
SNP_P1_250928_43113	NW_004517555.1	Scaffold2670	43113	TT	CC	1940525165
SNP_P1_250929_43310	NW_004517555.1	Scaffold2670	43310	AA	TT	1940525167
SNP_P1_250930_43320	NW_004517555.1	Scaffold2670	43320	GG	TT	1940525169

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250933_43468	NW_004517555.1	Scaffold2670	43468	GG	TT	1940525176
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SNP_P1_250935_43534	NW_004517555.1	Scaffold2670	43534	TT	AA	1940525180
SNP_P1_250936_43544	NW_004517555.1	Scaffold2670	43544	GG	AA	1940525182
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SNP_P1_250941_43854	NW_004517555.1	Scaffold2670	43854	AA	TT	1940525193
SNP_P1_250942_43859	NW_004517555.1	Scaffold2670	43859	TT	GG	1940525195
SNP_P1_250943_43942	NW_004517555.1	Scaffold2670	43942	CC	TT	1940525197
SNP_P1_250944_43997	NW_004517555.1	Scaffold2670	43997	AA	CC	1940525199
SNP_P1_250945_44072	NW_004517555.1	Scaffold2670	44072	TT	GG	1940525201
SNP_P1_250946_44074	NW_004517555.1	Scaffold2670	44074	CC	GG	1940525203
SNP_P1_250947_44600	NW_004517555.1	Scaffold2670	44600	TT	CC	1940525205
SNP_P1_250948_44619	NW_004517555.1	Scaffold2670	44619	AA	GG	1940525207
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SNP_P1_250962_45530	NW_004517555.1	Scaffold2670	45530	AA	GG	1940525237
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SNP_P1_250968_53016	NW_004517555.1	Scaffold2670	53016	TT	AA	1940525249
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SNP_P1_250970_62337	NW_004517555.1	Scaffold2670	62337	AA	CC	1940525254
SNP_P1_250971_62447	NW_004517555.1	Scaffold2670	62447	AA	CC	1940525256
SNP_P1_250972_62592	NW_004517555.1	Scaffold2670	62592	AA	GG	1940525258

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_250975_63154	NW_004517555.1	Scaffold2670	63154	AA	GG	1940525264
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SNP_P1_250977_65974	NW_004517555.1	Scaffold2670	65974	AA	TT	1940525268
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SNP_P1_251009_149429	NW_004517555.1	Scaffold2670	149429	CC	TT	1940525334
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SNP_P1_251013_149653	NW_004517555.1	Scaffold2670	149653	CC	TT	1940525342
SNP_P1_251014_149661	NW_004517555.1	Scaffold2670	149661	CC	AA	1940525344
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251021_4435	NW_004517556.1	Scaffold2672	4435	TT	CC	1940525357
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SNP_P1_251032_5385	NW_004517556.1	Scaffold2672	5385	TT	GG	1940525378
SNP_P1_251033_1477	NW_004517557.1	Scaffold2675	1477	CC	TT	1940525380
SNP_P1_251034_1491	NW_004517557.1	Scaffold2675	1491	CC	AA	1940525382
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SNP_P1_251038_2385	NW_004517559.1	Scaffold2678	2385	AA	TT	1940525390
SNP_P1_251039_2814	NW_004517559.1	Scaffold2678	2814	AA	CC	1940525393
SNP_P1_251040_2834	NW_004517559.1	Scaffold2678	2834	TT	CC	1940525395
SNP_P1_251041_3347	NW_004517559.1	Scaffold2678	3347	AA	TT	1940525397
SNP_P1_251042_3462	NW_004517559.1	Scaffold2678	3462	AA	GG	1940525399
SNP_P1_251044_37418	NW_004517559.1	Scaffold2678	37418	GG	TT	1940525401
SNP_P1_251045_41874	NW_004517559.1	Scaffold2678	41874	TT	GG	1940525403
SNP_P1_251047_53127	NW_004517559.1	Scaffold2678	53127	CC	TT	1940525405
SNP_P1_251048_53840	NW_004517559.1	Scaffold2678	53840	GG	AA	1940525407
SNP_P1_251049_53899	NW_004517559.1	Scaffold2678	53899	TT	CC	1940525409
SNP_P1_251050_68825	NW_004517559.1	Scaffold2678	68825	CC	TT	1940525412
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SNP_P1_251054_1698	NW_004517562.1	Scaffold2684	1698	AA	GG	1940525418
SNP_P1_251055_1775	NW_004517562.1	Scaffold2684	1775	AA	CC	1940525420
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SNP_P1_251057_1799	NW_004517562.1	Scaffold2684	1799	CC	AA	1940525424
SNP_P1_251058_5118	NW_004517562.1	Scaffold2684	5118	GG	TT	1940525426
SNP_P1_251059_772	NW_004517565.1	Scaffold2687	772	AA	CC	1940525428
SNP_P1_251060_1306	NW_004517567.1	Scaffold2689	1306	GG	TT	1940525430
SNP_P1_251061_1328	NW_004517567.1	Scaffold2689	1328	TT	CC	1940525433
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251065_403	NW_004517568.1	Scaffold2691	403	AA	CC	1940525441
SNP_P1_251066_433	NW_004517568.1	Scaffold2691	433	CC	AA	1940525443
SNP_P1_251067_455	NW_004517568.1	Scaffold2691	455	AA	GG	1940525445
SNP_P1_251068_595	NW_004517568.1	Scaffold2691	595	TT	AA	1940525447
SNP_P1_251069_628	NW_004517568.1	Scaffold2691	628	CC	TT	1940525449
SNP_P1_251070_672	NW_004517568.1	Scaffold2691	672	AA	TT	1940525452
SNP_P1_251071_718	NW_004517568.1	Scaffold2691	718	TT	CC	1940525454
SNP_P1_251072_748	NW_004517568.1	Scaffold2691	748	CC	TT	1940525456
SNP_P1_251073_934	NW_004517568.1	Scaffold2691	934	GG	TT	1940525458
SNP_P1_251074_955	NW_004517568.1	Scaffold2691	955	CC	TT	1940525460
SNP_P1_251075_854	NW_004517569.1	Scaffold2692	854	CC	TT	1940525462
SNP_P1_251076_903	NW_004517569.1	Scaffold2692	903	CC	GG	1940525464
SNP_P1_251077_1057	NW_004517569.1	Scaffold2692	1057	AA	TT	1940525466
SNP_P1_251078_1202	NW_004517569.1	Scaffold2692	1202	CC	TT	1940525468
SNP_P1_251079_1216	NW_004517569.1	Scaffold2692	1216	TT	CC	1940525470
SNP_P1_251080_1228	NW_004517569.1	Scaffold2692	1228	GG	TT	1940525473
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SNP_P1_251100_13278	NW_004517569.1	Scaffold2692	13278	AA	TT	1940525508
SNP_P1_251102_13939	NW_004517569.1	Scaffold2692	13939	TT	CC	1940525510
SNP_P1_251104_14283	NW_004517569.1	Scaffold2692	14283	CC	TT	1940525513
SNP_P1_251105_14453	NW_004517569.1	Scaffold2692	14453	CC	GG	1940525515
SNP_P1_251107_14651	NW_004517569.1	Scaffold2692	14651	TT	CC	1940525517
SNP_P1_251108_14743	NW_004517569.1	Scaffold2692	14743	CC	TT	1940525519
SNP_P1_251110_14859	NW_004517569.1	Scaffold2692	14859	GG	AA	1940525521
SNP_P1_251111_14900	NW_004517569.1	Scaffold2692	14900	TT	GG	1940525523

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251113_15088	NW_004517569.1	Scaffold2692	15088	AA	TT	1940525527
SNP_P1_251114_65	NW_004517571.1	Scaffold2695	65	TT	AA	1940525529
SNP_P1_251115_386	NW_004517571.1	Scaffold2695	386	TT	GG	1940525531
SNP_P1_251116_7440	NW_004517571.1	Scaffold2695	7440	GG	AA	1940525534
SNP_P1_251117_7451	NW_004517571.1	Scaffold2695	7451	GG	TT	1940525536
SNP_P1_251118_7512	NW_004517571.1	Scaffold2695	7512	AA	GG	1940525538
SNP_P1_251119_7565	NW_004517571.1	Scaffold2695	7565	CC	TT	1940525540
SNP_P1_251120_7672	NW_004517571.1	Scaffold2695	7672	TT	CC	1940525542
SNP_P1_251121_7703	NW_004517571.1	Scaffold2695	7703	CC	TT	1940525544
SNP_P1_251122_7943	NW_004517571.1	Scaffold2695	7943	AA	GG	1940525546
SNP_P1_251123_7984	NW_004517571.1	Scaffold2695	7984	GG	CC	1940525548
SNP_P1_251124_7995	NW_004517571.1	Scaffold2695	7995	TT	GG	1940525550
SNP_P1_251125_8003	NW_004517571.1	Scaffold2695	8003	AA	GG	1940525553
SNP_P1_251126_8034	NW_004517571.1	Scaffold2695	8034	CC	AA	1940525555
SNP_P1_251127_12404	NW_004517571.1	Scaffold2695	12404	TT	AA	1940525557
SNP_P1_251128_590	NW_004517573.1	Scaffold2698	590	AA	GG	1940525559
SNP_P1_251129_956	NW_004517573.1	Scaffold2698	956	CC	TT	1940525561
SNP_P1_251130_4034	NW_004517575.1	Scaffold2700	4034	CC	TT	1940525563
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SNP_P1_251135_10348	NW_004517575.1	Scaffold2700	10348	AA	GG	1940525574
SNP_P1_251136_10606	NW_004517575.1	Scaffold2700	10606	GG	TT	1940525576
SNP_P1_251137_10622	NW_004517575.1	Scaffold2700	10622	GG	AA	1940525578
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SNP_P1_251142_11067	NW_004517575.1	Scaffold2700	11067	AA	CC	1940525588
SNP_P1_251143_749	NW_004517577.1	Scaffold2703	749	CC	TT	1940525590
SNP_P1_251144_335	NW_004517578.1	Scaffold2705	335	CC	AA	1940525593
SNP_P1_251145_409	NW_004517578.1	Scaffold2705	409	TT	AA	1940525595
SNP_P1_251146_436	NW_004517578.1	Scaffold2705	436	CC	AA	1940525597
SNP_P1_251147_459	NW_004517578.1	Scaffold2705	459	GG	CC	1940525599
SNP_P1_251148_507	NW_004517578.1	Scaffold2705	507	GG	AA	1940525601
SNP_P1_251149_519	NW_004517578.1	Scaffold2705	519	AA	GG	1940525603
SNP_P1_251150_566	NW_004517578.1	Scaffold2705	566	GG	TT	1940525605
SNP_P1_251151_653	NW_004517578.1	Scaffold2705	653	AA	GG	1940525607
SNP_P1_251152_738	NW_004517578.1	Scaffold2705	738	AA	GG	1940525609
SNP_P1_251153_799	NW_004517578.1	Scaffold2705	799	CC	GG	1940525611

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251156_953	NW_004517578.1	Scaffold2705	953	GG	TT	1940525618
SNP_P1_251157_1158	NW_004517578.1	Scaffold2705	1158	AA	TT	1940525620
SNP_P1_251158_1160	NW_004517578.1	Scaffold2705	1160	TT	CC	1940525622
SNP_P1_251159_1173	NW_004517578.1	Scaffold2705	1173	GG	AA	1940525624
SNP_P1_251160_1174	NW_004517578.1	Scaffold2705	1174	GG	AA	1940525626
SNP_P1_251161_1179	NW_004517578.1	Scaffold2705	1179	AA	CC	1940525628
SNP_P1_251162_1202	NW_004517578.1	Scaffold2705	1202	CC	AA	1940525630
SNP_P1_251163_1376	NW_004517578.1	Scaffold2705	1376	TT	CC	1940525632
SNP_P1_251164_1599	NW_004517578.1	Scaffold2705	1599	TT	AA	1940525635
SNP_P1_251165_5574	NW_004517579.1	Scaffold2706	5574	AA	GG	1940525637
SNP_P1_251166_5603	NW_004517579.1	Scaffold2706	5603	TT	CC	1940525639
SNP_P1_251167_5934	NW_004517579.1	Scaffold2706	5934	CC	TT	1940525641
SNP_P1_251168_17749	NW_004517580.1	Scaffold2707	17749	TT	CC	1940525643
SNP_P1_251169_17784	NW_004517580.1	Scaffold2707	17784	TT	CC	1940525645
SNP_P1_251170_17785	NW_004517580.1	Scaffold2707	17785	GG	AA	1940525647
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SNP_P1_251172_17836	NW_004517580.1	Scaffold2707	17836	AA	TT	1940525651
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SNP_P1_251176_33589	NW_004517580.1	Scaffold2707	33589	TT	AA	1940525660
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SNP_P1_251191_21526	NW_004517581.1	Scaffold2709	21526	CC	TT	1940525689
SNP_P1_251192_22350	NW_004517581.1	Scaffold2709	22350	AA	GG	1940525691
SNP_P1_251193_28794	NW_004517581.1	Scaffold2709	28794	TT	AA	1940525694
SNP_P1_251194_29045	NW_004517581.1	Scaffold2709	29045	GG	AA	1940525696
SNP_P1_251195_34443	NW_004517581.1	Scaffold2709	34443	GG	AA	1940525698
SNP_P1_251196_35043	NW_004517581.1	Scaffold2709	35043	CC	TT	1940525700

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251199_19072	NW_004517582.1	Scaffold2710	19072	CC	TT	1940525706
SNP_P1_251200_20170	NW_004517583.1	Scaffold2711	20170	AA	TT	1940525708
SNP_P1_251201_20451	NW_004517583.1	Scaffold2711	20451	AA	GG	1940525710
SNP_P1_251202_20469	NW_004517583.1	Scaffold2711	20469	TT	CC	1940525713
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SNP_P1_251204_20510	NW_004517583.1	Scaffold2711	20510	GG	AA	1940525717
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SNP_P1_251206_1967	NW_004517585.1	Scaffold2714	1967	AA	TT	1940525721
SNP_P1_251207_23710	NW_004517586.1	Scaffold2715	23710	CC	AA	1940525723
SNP_P1_251208_23747	NW_004517586.1	Scaffold2715	23747	TT	CC	1940525725
SNP_P1_251209_25581	NW_004517586.1	Scaffold2715	25581	CC	TT	1940525727
SNP_P1_251210_26162	NW_004517586.1	Scaffold2715	26162	TT	CC	1940525729
SNP_P1_251211_33874	NW_004517586.1	Scaffold2715	33874	CC	GG	1940525732
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SNP_P1_251226_42305	NW_004517586.1	Scaffold2715	42305	GG	AA	1940525763
SNP_P1_251227_42474	NW_004517586.1	Scaffold2715	42474	GG	CC	1940525765
SNP_P1_251228_15118	NW_004517588.1	Scaffold2717	15118	GG	TT	1940525767
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SNP_P1_251230_290	NW_004517589.1	Scaffold2719	290	GG	CC	1940525772
SNP_P1_251231_359	NW_004517589.1	Scaffold2719	359	GG	TT	1940525774
SNP_P1_251232_368	NW_004517589.1	Scaffold2719	368	TT	GG	1940525776
SNP_P1_251233_442	NW_004517589.1	Scaffold2719	442	GG	CC	1940525778
SNP_P1_251234_2301	NW_004517589.1	Scaffold2719	2301	AA	GG	1940525780
SNP_P1_251235_2382	NW_004517589.1	Scaffold2719	2382	CC	TT	1940525782
SNP_P1_251236_2410	NW_004517589.1	Scaffold2719	2410	TT	CC	1940525784
SNP_P1_251237_6313	NW_004517589.1	Scaffold2719	6313	GG	CC	1940525786
SNP_P1_251238_6340	NW_004517589.1	Scaffold2719	6340	TT	AA	1940525788

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251241_2464	NW_004517590.1	Scaffold2720	2464	CC	TT	1940525795
SNP_P1_251242_2494	NW_004517590.1	Scaffold2720	2494	CC	TT	1940525797
SNP_P1_251243_2531	NW_004517590.1	Scaffold2720	2531	TT	GG	1940525799
SNP_P1_251244_2537	NW_004517590.1	Scaffold2720	2537	TT	GG	1940525801
SNP_P1_251245_2636	NW_004517590.1	Scaffold2720	2636	TT	CC	1940525803
SNP_P1_251246_17548	NW_004517590.1	Scaffold2720	17548	TT	CC	1940525805
SNP_P1_251247_17686	NW_004517590.1	Scaffold2720	17686	AA	TT	1940525807
SNP_P1_251248_19268	NW_004517590.1	Scaffold2720	19268	GG	TT	1940525809
SNP_P1_251249_19942	NW_004517590.1	Scaffold2720	19942	AA	TT	1940525811
SNP_P1_251250_26386	NW_004517590.1	Scaffold2720	26386	AA	GG	1940525814
SNP_P1_251251_26424	NW_004517590.1	Scaffold2720	26424	CC	TT	1940525816
SNP_P1_251252_26603	NW_004517590.1	Scaffold2720	26603	AA	CC	1940525818
SNP_P1_251253_26698	NW_004517590.1	Scaffold2720	26698	CC	AA	1940525820
SNP_P1_251254_26700	NW_004517590.1	Scaffold2720	26700	GG	AA	1940525822
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SNP_P1_251256_28176	NW_004517590.1	Scaffold2720	28176	AA	GG	1940525826
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SNP_P1_251265_29020	NW_004517590.1	Scaffold2720	29020	TT	CC	1940525845
SNP_P1_251266_29026	NW_004517590.1	Scaffold2720	29026	AA	GG	1940525847
SNP_P1_251267_29045	NW_004517590.1	Scaffold2720	29045	TT	AA	1940525849
SNP_P1_251268_29070	NW_004517590.1	Scaffold2720	29070	TT	AA	1940525851
SNP_P1_251270_59069	NW_004517590.1	Scaffold2720	59069	GG	TT	1940525854
SNP_P1_251271_59237	NW_004517590.1	Scaffold2720	59237	CC	TT	1940525856
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SNP_P1_251277_85627	NW_004517590.1	Scaffold2720	85627	TT	AA	1940525866
SNP_P1_251278_102627	NW_004517590.1	Scaffold2720	102627	AA	TT	1940525868
SNP_P1_251279_102725	NW_004517590.1	Scaffold2720	102725	TT	CC	1940525870
SNP_P1_251280_110474	NW_004517590.1	Scaffold2720	110474	AA	TT	1940525873
SNP_P1_251281_120125	NW_004517590.1	Scaffold2720	120125	TT	GG	1940525875
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251285_123625	NW_004517590.1	Scaffold2720	123625	AA	GG	1940525883
SNP_P1_251286_123628	NW_004517590.1	Scaffold2720	123628	AA	TT	1940525885
SNP_P1_251287_123845	NW_004517590.1	Scaffold2720	123845	GG	TT	1940525887
SNP_P1_251288_123853	NW_004517590.1	Scaffold2720	123853	GG	TT	1940525889
SNP_P1_251289_123891	NW_004517590.1	Scaffold2720	123891	CC	TT	1940525891
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SNP_P1_251292_125635	NW_004517590.1	Scaffold2720	125635	TT	CC	1940525898
SNP_P1_251293_125637	NW_004517590.1	Scaffold2720	125637	AA	TT	1940525900
SNP_P1_251294_126647	NW_004517590.1	Scaffold2720	126647	TT	GG	1940525902
SNP_P1_251295_126681	NW_004517590.1	Scaffold2720	126681	TT	CC	1940525904
SNP_P1_251296_126683	NW_004517590.1	Scaffold2720	126683	AA	CC	1940525906
SNP_P1_251297_127026	NW_004517590.1	Scaffold2720	127026	TT	CC	1940525908
SNP_P1_251298_127128	NW_004517590.1	Scaffold2720	127128	TT	CC	1940525910
SNP_P1_251299_127150	NW_004517590.1	Scaffold2720	127150	AA	GG	1940525913
SNP_P1_251300_131739	NW_004517590.1	Scaffold2720	131739	CC	TT	1940525915
SNP_P1_251301_131810	NW_004517590.1	Scaffold2720	131810	CC	TT	1940525917
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SNP_P1_251306_132032	NW_004517590.1	Scaffold2720	132032	CC	TT	1940525927
SNP_P1_251307_132062	NW_004517590.1	Scaffold2720	132062	TT	CC	1940525929
SNP_P1_251308_132111	NW_004517590.1	Scaffold2720	132111	AA	GG	1940525931
SNP_P1_251310_174004	NW_004517590.1	Scaffold2720	174004	GG	AA	1940525934
SNP_P1_251311_174016	NW_004517590.1	Scaffold2720	174016	CC	GG	1940525936
SNP_P1_251312_174053	NW_004517590.1	Scaffold2720	174053	AA	CC	1940525938
SNP_P1_251313_174285	NW_004517590.1	Scaffold2720	174285	CC	TT	1940525940
SNP_P1_251314_174293	NW_004517590.1	Scaffold2720	174293	GG	AA	1940525942
SNP_P1_251315_174297	NW_004517590.1	Scaffold2720	174297	AA	GG	1940525944
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SNP_P1_251317_174404	NW_004517590.1	Scaffold2720	174404	AA	CC	1940525948
SNP_P1_251318_174408	NW_004517590.1	Scaffold2720	174408	GG	TT	1940525950
SNP_P1_251319_174419	NW_004517590.1	Scaffold2720	174419	TT	CC	1940525952
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SNP_P1_251321_176066	NW_004517590.1	Scaffold2720	176066	GG	AA	1940525957
SNP_P1_251322_176082	NW_004517590.1	Scaffold2720	176082	GG	AA	1940525959
SNP_P1_251323_182820	NW_004517590.1	Scaffold2720	182820	GG	CC	1940525961
SNP_P1_251324_182827	NW_004517590.1	Scaffold2720	182827	TT	CC	1940525963
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251327_182931	NW_004517590.1	Scaffold2720	182931	AA	GG	1940525969
SNP_P1_251328_182952	NW_004517590.1	Scaffold2720	182952	AA	GG	1940525971
SNP_P1_251329_182966	NW_004517590.1	Scaffold2720	182966	TT	CC	1940525974
SNP_P1_251330_183280	NW_004517590.1	Scaffold2720	183280	TT	CC	1940525976
SNP_P1_251331_184238	NW_004517590.1	Scaffold2720	184238	GG	AA	1940525978
SNP_P1_251332_191423	NW_004517590.1	Scaffold2720	191423	AA	CC	1940525980
SNP_P1_251333_219422	NW_004517590.1	Scaffold2720	219422	CC	TT	1940525982
SNP_P1_251334_223949	NW_004517590.1	Scaffold2720	223949	CC	TT	1940525984
SNP_P1_251335_223974	NW_004517590.1	Scaffold2720	223974	CC	AA	1940525986
SNP_P1_251336_224015	NW_004517590.1	Scaffold2720	224015	CC	TT	1940525988
SNP_P1_251337_224050	NW_004517590.1	Scaffold2720	224050	CC	TT	1940525990
SNP_P1_251338_224051	NW_004517590.1	Scaffold2720	224051	AA	GG	1940525992
SNP_P1_251339_224060	NW_004517590.1	Scaffold2720	224060	CC	TT	1940525995
SNP_P1_251340_224066	NW_004517590.1	Scaffold2720	224066	CC	TT	1940525997
SNP_P1_251341_224067	NW_004517590.1	Scaffold2720	224067	CC	TT	1940525999
SNP_P1_251342_224257	NW_004517590.1	Scaffold2720	224257	TT	CC	1940526001
SNP_P1_251343_224444	NW_004517590.1	Scaffold2720	224444	AA	GG	1940526003
SNP_P1_251344_224456	NW_004517590.1	Scaffold2720	224456	AA	TT	1940526005
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SNP_P1_251347_754	NW_004517591.1	Scaffold2722	754	GG	AA	1940526011
SNP_P1_251348_759	NW_004517591.1	Scaffold2722	759	GG	AA	1940526014
SNP_P1_251349_790	NW_004517591.1	Scaffold2722	790	GG	CC	1940526016
SNP_P1_251350_804	NW_004517591.1	Scaffold2722	804	GG	TT	1940526018
SNP_P1_251351_825	NW_004517591.1	Scaffold2722	825	AA	TT	1940526020
SNP_P1_251352_831	NW_004517591.1	Scaffold2722	831	AA	GG	1940526022
SNP_P1_251353_951	NW_004517591.1	Scaffold2722	951	AA	GG	1940526024
SNP_P1_251354_964	NW_004517591.1	Scaffold2722	964	GG	AA	1940526026
SNP_P1_251355_1949	NW_004517591.1	Scaffold2722	1949	CC	AA	1940526028
SNP_P1_251356_1960	NW_004517591.1	Scaffold2722	1960	AA	GG	1940526030
SNP_P1_251357_2032	NW_004517591.1	Scaffold2722	2032	TT	GG	1940526032
SNP_P1_251358_2035	NW_004517591.1	Scaffold2722	2035	AA	GG	1940526034
SNP_P1_251359_18165	NW_004517591.1	Scaffold2722	18165	CC	AA	1940526037
SNP_P1_251361_27153	NW_004517591.1	Scaffold2722	27153	TT	AA	1940526039
SNP_P1_251362_27154	NW_004517591.1	Scaffold2722	27154	CC	AA	1940526041
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SNP_P1_251365_41281	NW_004517591.1	Scaffold2722	41281	GG	TT	1940526045
SNP_P1_251366_52651	NW_004517591.1	Scaffold2722	52651	AA	GG	1940526047
SNP_P1_251367_52676	NW_004517591.1	Scaffold2722	52676	AA	TT	1940526049
SNP_P1_251369_60409	NW_004517591.1	Scaffold2722	60409	AA	CC	1940526051
SNP_P1_251370_63811	NW_004517591.1	Scaffold2722	63811	GG	AA	1940526053

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251372_68821	NW_004517591.1	Scaffold2722	68821	CC	GG	1940526058
SNP_P1_251373_68926	NW_004517591.1	Scaffold2722	68926	GG	AA	1940526060
SNP_P1_251376_70716	NW_004517591.1	Scaffold2722	70716	GG	AA	1940526062
SNP_P1_251377_75243	NW_004517591.1	Scaffold2722	75243	AA	GG	1940526064
SNP_P1_251379_77478	NW_004517591.1	Scaffold2722	77478	CC	AA	1940526066
SNP_P1_251381_77996	NW_004517591.1	Scaffold2722	77996	CC	TT	1940526068
SNP_P1_251382_80901	NW_004517591.1	Scaffold2722	80901	TT	GG	1940526070
SNP_P1_251383_87099	NW_004517591.1	Scaffold2722	87099	TT	GG	1940526072
SNP_P1_251384_18853	NW_004517592.1	Scaffold2724	18853	GG	CC	1940526075
SNP_P1_251385_580	NW_004517593.1	Scaffold2725	580	AA	CC	1940526077
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SNP_P1_251389_1371	NW_004517593.1	Scaffold2725	1371	TT	CC	1940526081
SNP_P1_251390_3015	NW_004517593.1	Scaffold2725	3015	GG	AA	1940526083
SNP_P1_251391_3043	NW_004517593.1	Scaffold2725	3043	AA	GG	1940526085
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SNP_P1_251409_1760	NW_004517595.1	Scaffold2727	1760	AA	GG	1940526121
SNP_P1_251410_1819	NW_004517595.1	Scaffold2727	1819	GG	AA	1940526123
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SNP_P1_251412_920	NW_004517596.1	Scaffold2728	920	TT	GG	1940526127
SNP_P1_251413_966	NW_004517596.1	Scaffold2728	966	AA	CC	1940526129
SNP_P1_251414_977	NW_004517596.1	Scaffold2728	977	CC	TT	1940526131
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SNP_P1_251416_11438	NW_004517596.1	Scaffold2728	11438	AA	GG	1940526135
SNP_P1_251417_935	NW_004517597.1	Scaffold2729	935	TT	GG	1940526138
SNP_P1_251419_1285	NW_004517597.1	Scaffold2729	1285	AA	GG	1940526140
SNP_P1_251420_1313	NW_004517597.1	Scaffold2729	1313	TT	CC	1940526142

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251423_2808	NW_004517597.1	Scaffold2729	2808	TT	CC	1940526148
SNP_P1_251424_2831	NW_004517597.1	Scaffold2729	2831	AA	TT	1940526150
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SNP_P1_251429_5078	NW_004517597.1	Scaffold2729	5078	CC	AA	1940526161
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SNP_P1_251439_5861	NW_004517597.1	Scaffold2729	5861	CC	TT	1940526180
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SNP_P1_251460_12146	NW_004517597.1	Scaffold2729	12146	TT	CC	1940526222
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SNP_P1_251462_415	NW_004517601.1	Scaffold2734	415	CC	GG	1940526226
SNP_P1_251463_428	NW_004517601.1	Scaffold2734	428	AA	TT	1940526228
SNP_P1_251464_508	NW_004517601.1	Scaffold2734	508	AA	GG	1940526230

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_251466_657	NW_004517601.1	Scaffold2734	657	TT	GG	1940526232
SNP_P1_251467_716	NW_004517601.1	Scaffold2734	716	CC	TT	1940526234
SNP_P1_251468_722	NW_004517601.1	Scaffold2734	722	AA	CC	1940526236
SNP_P1_251469_771	NW_004517601.1	Scaffold2734	771	TT	CC	1940526239
SNP_P1_251470_1046	NW_004517601.1	Scaffold2734	1046	TT	CC	1940526241
SNP_P1_251471_1431	NW_004517601.1	Scaffold2734	1431	AA	GG	1940526243
SNP_P1_251472_1478	NW_004517601.1	Scaffold2734	1478	AA	CC	1940526245
SNP_P1_251473_1482	NW_004517601.1	Scaffold2734	1482	TT	CC	1940526247
SNP_P1_251474_1489	NW_004517601.1	Scaffold2734	1489	CC	TT	1940526249
SNP_P1_251475_13926	NW_004517601.1	Scaffold2734	13926	GG	TT	1940526251
SNP_P1_251476_16792	NW_004517601.1	Scaffold2734	16792	CC	GG	1940526253
SNP_P1_251477_16800	NW_004517601.1	Scaffold2734	16800	GG	AA	1940526255
SNP_P1_251483_98804	NW_004517601.1	Scaffold2734	98804	AA	GG	1940526257
SNP_P1_251484_106719	NW_004517601.1	Scaffold2734	106719	GG	AA	1940526260
SNP_P1_251485_131780	NW_004517601.1	Scaffold2734	131780	TT	AA	1940526262
SNP_P1_251486_484	NW_004517602.1	Scaffold2736	484	AA	GG	1940526264
SNP_P1_251487_2977	NW_004517602.1	Scaffold2736	2977	CC	TT	1940526266
SNP_P1_251488_3058	NW_004517602.1	Scaffold2736	3058	GG	CC	1940526268
SNP_P1_251489_3125	NW_004517602.1	Scaffold2736	3125	AA	GG	1940526270
SNP_P1_251490_3205	NW_004517602.1	Scaffold2736	3205	GG	AA	1940526272
SNP_P1_251491_3336	NW_004517602.1	Scaffold2736	3336	AA	GG	1940526274
SNP_P1_251493_3424	NW_004517602.1	Scaffold2736	3424	TT	GG	1940526276
SNP_P1_251495_3645	NW_004517602.1	Scaffold2736	3645	AA	GG	1940526278
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SNP_P1_251497_3808	NW_004517602.1	Scaffold2736	3808	TT	GG	1940526283
SNP_P1_251498_3817	NW_004517602.1	Scaffold2736	3817	GG	TT	1940526285
SNP_P1_251499_3848	NW_004517602.1	Scaffold2736	3848	CC	TT	1940526287
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SNP_P1_251501_4193	NW_004517602.1	Scaffold2736	4193	CC	TT	1940526291
SNP_P1_251502_4287	NW_004517602.1	Scaffold2736	4287	TT	CC	1940526293
SNP_P1_251503_4298	NW_004517602.1	Scaffold2736	4298	CC	TT	1940526295
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SNP_P1_251506_6336	NW_004517602.1	Scaffold2736	6336	TT	AA	1940526302
SNP_P1_251507_6628	NW_004517602.1	Scaffold2736	6628	TT	CC	1940526304
SNP_P1_251508_1500	NW_004517603.1	Scaffold2737	1500	AA	TT	1940526306
SNP_P1_251509_2654	NW_004517603.1	Scaffold2737	2654	CC	AA	1940526308
SNP_P1_251510_3641	NW_004517603.1	Scaffold2737	3641	AA	GG	1940526310
SNP_P1_251511_3642	NW_004517603.1	Scaffold2737	3642	GG	AA	1940526312
SNP_P1_251512_3685	NW_004517603.1	Scaffold2737	3685	TT	GG	1940526314
SNP_P1_251513_3913	NW_004517603.1	Scaffold2737	3913	AA	GG	1940526316
SNP_P1_251514_4167	NW_004517603.1	Scaffold2737	4167	TT	AA	1940526319

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251516_9342	NW_004517603.1	Scaffold2737	9342	TT	AA	1940526323
SNP_P1_251517_9361	NW_004517603.1	Scaffold2737	9361	AA	CC	1940526325
SNP_P1_251520_9544	NW_004517603.1	Scaffold2737	9544	GG	AA	1940526327
SNP_P1_251521_9636	NW_004517603.1	Scaffold2737	9636	AA	TT	1940526329
SNP_P1_251522_9731	NW_004517603.1	Scaffold2737	9731	AA	CC	1940526331
SNP_P1_251523_9767	NW_004517603.1	Scaffold2737	9767	GG	TT	1940526333
SNP_P1_251524_9833	NW_004517603.1	Scaffold2737	9833	GG	AA	1940526335
SNP_P1_251525_2448	NW_004517604.1	Scaffold2738	2448	AA	GG	1940526337
SNP_P1_251526_2463	NW_004517604.1	Scaffold2738	2463	GG	AA	1940526340
SNP_P1_251527_3979	NW_004517604.1	Scaffold2738	3979	AA	TT	1940526342
SNP_P1_251529_5005	NW_004517604.1	Scaffold2738	5005	CC	TT	1940526344
SNP_P1_251530_5257	NW_004517604.1	Scaffold2738	5257	TT	CC	1940526346
SNP_P1_251531_5258	NW_004517604.1	Scaffold2738	5258	AA	TT	1940526348
SNP_P1_251532_5259	NW_004517604.1	Scaffold2738	5259	AA	TT	1940526350
SNP_P1_251533_5260	NW_004517604.1	Scaffold2738	5260	TT	CC	1940526352
SNP_P1_251534_5261	NW_004517604.1	Scaffold2738	5261	AA	TT	1940526354
SNP_P1_251535_5262	NW_004517604.1	Scaffold2738	5262	AA	TT	1940526356
SNP_P1_251536_7951	NW_004517604.1	Scaffold2738	7951	CC	TT	1940526358
SNP_P1_251537_7963	NW_004517604.1	Scaffold2738	7963	TT	CC	1940526361
SNP_P1_251538_8156	NW_004517604.1	Scaffold2738	8156	GG	AA	1940526363
SNP_P1_251539_8257	NW_004517604.1	Scaffold2738	8257	TT	AA	1940526365
SNP_P1_251540_9412	NW_004517604.1	Scaffold2738	9412	TT	AA	1940526367
SNP_P1_251541_10024	NW_004517604.1	Scaffold2738	10024	CC	GG	1940526369
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SNP_P1_251543_10126	NW_004517604.1	Scaffold2738	10126	GG	AA	1940526373
SNP_P1_251544_10165	NW_004517604.1	Scaffold2738	10165	TT	CC	1940526375
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SNP_P1_251547_10601	NW_004517604.1	Scaffold2738	10601	AA	TT	1940526382
SNP_P1_251548_11221	NW_004517604.1	Scaffold2738	11221	AA	TT	1940526384
SNP_P1_251549_11616	NW_004517604.1	Scaffold2738	11616	TT	CC	1940526386
SNP_P1_251550_11618	NW_004517604.1	Scaffold2738	11618	TT	CC	1940526388
SNP_P1_251551_11649	NW_004517604.1	Scaffold2738	11649	TT	CC	1940526390
SNP_P1_251552_11652	NW_004517604.1	Scaffold2738	11652	AA	GG	1940526392
SNP_P1_251553_12098	NW_004517604.1	Scaffold2738	12098	AA	GG	1940526394
SNP_P1_251554_12228	NW_004517604.1	Scaffold2738	12228	GG	AA	1940526396
SNP_P1_251556_12413	NW_004517604.1	Scaffold2738	12413	CC	GG	1940526398
SNP_P1_251558_27466	NW_004517604.1	Scaffold2738	27466	TT	CC	1940526401
SNP_P1_251559_27485	NW_004517604.1	Scaffold2738	27485	GG	TT	1940526403
SNP_P1_251561_28445	NW_004517604.1	Scaffold2738	28445	AA	GG	1940526405
SNP_P1_251562_28886	NW_004517604.1	Scaffold2738	28886	GG	AA	1940526407

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251565_29827	NW_004517604.1	Scaffold2738	29827	AA	CC	1940526413
SNP_P1_251566_29989	NW_004517604.1	Scaffold2738	29989	GG	AA	1940526415
SNP_P1_251567_30045	NW_004517604.1	Scaffold2738	30045	TT	CC	1940526417
SNP_P1_251568_30551	NW_004517604.1	Scaffold2738	30551	GG	AA	1940526420
SNP_P1_251570_31603	NW_004517604.1	Scaffold2738	31603	CC	GG	1940526422
SNP_P1_251571_31627	NW_004517604.1	Scaffold2738	31627	TT	GG	1940526424
SNP_P1_251572_31725	NW_004517604.1	Scaffold2738	31725	TT	CC	1940526426
SNP_P1_251573_31732	NW_004517604.1	Scaffold2738	31732	AA	TT	1940526428
SNP_P1_251574_31914	NW_004517604.1	Scaffold2738	31914	AA	TT	1940526430
SNP_P1_251575_32386	NW_004517604.1	Scaffold2738	32386	AA	GG	1940526432
SNP_P1_251576_32395	NW_004517604.1	Scaffold2738	32395	CC	TT	1940526434
SNP_P1_251577_20223	NW_004517605.1	Scaffold2739	20223	GG	CC	1940526436
SNP_P1_251578_20326	NW_004517605.1	Scaffold2739	20326	CC	AA	1940526439
SNP_P1_251579_20351	NW_004517605.1	Scaffold2739	20351	CC	AA	1940526441
SNP_P1_251580_20504	NW_004517605.1	Scaffold2739	20504	TT	AA	1940526443
SNP_P1_251581_20510	NW_004517605.1	Scaffold2739	20510	CC	AA	1940526445
SNP_P1_251582_21480	NW_004517605.1	Scaffold2739	21480	AA	CC	1940526447
SNP_P1_251583_21607	NW_004517605.1	Scaffold2739	21607	TT	GG	1940526449
SNP_P1_251584_4244	NW_004517607.1	Scaffold2742	4244	AA	GG	1940526451
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SNP_P1_251588_17622	NW_004517607.1	Scaffold2742	17622	AA	GG	1940526460
SNP_P1_251589_17779	NW_004517607.1	Scaffold2742	17779	TT	CC	1940526462
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SNP_P1_251593_1292	NW_004517608.1	Scaffold2743	1292	AA	GG	1940526470
SNP_P1_251594_2882	NW_004517609.1	Scaffold2744	2882	AA	GG	1940526472
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SNP_P1_251597_3194	NW_004517609.1	Scaffold2744	3194	TT	CC	1940526479
SNP_P1_251598_3220	NW_004517609.1	Scaffold2744	3220	AA	GG	1940526481
SNP_P1_251599_3677	NW_004517609.1	Scaffold2744	3677	GG	AA	1940526483
SNP_P1_251600_3689	NW_004517609.1	Scaffold2744	3689	TT	CC	1940526485
SNP_P1_251601_3692	NW_004517609.1	Scaffold2744	3692	CC	TT	1940526487
SNP_P1_251602_3713	NW_004517609.1	Scaffold2744	3713	CC	TT	1940526489
SNP_P1_251603_4759	NW_004517609.1	Scaffold2744	4759	TT	CC	1940526491
SNP_P1_251604_10220	NW_004517609.1	Scaffold2744	10220	TT	CC	1940526493
SNP_P1_251605_10618	NW_004517609.1	Scaffold2744	10618	CC	GG	1940526495

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251608_16171	NW_004517609.1	Scaffold2744	16171	AA	GG	1940526502
SNP_P1_251609_28633	NW_004517609.1	Scaffold2744	28633	CC	TT	1940526504
SNP_P1_251611_31117	NW_004517609.1	Scaffold2744	31117	GG	AA	1940526506
SNP_P1_251612_31123	NW_004517609.1	Scaffold2744	31123	CC	TT	1940526508
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SNP_P1_251616_31165	NW_004517609.1	Scaffold2744	31165	TT	CC	1940526516
SNP_P1_251617_31177	NW_004517609.1	Scaffold2744	31177	AA	GG	1940526519
SNP_P1_251618_31213	NW_004517609.1	Scaffold2744	31213	TT	CC	1940526521
SNP_P1_251619_31222	NW_004517609.1	Scaffold2744	31222	CC	TT	1940526523
SNP_P1_251620_31240	NW_004517609.1	Scaffold2744	31240	AA	TT	1940526525
SNP_P1_251621_31261	NW_004517609.1	Scaffold2744	31261	AA	CC	1940526527
SNP_P1_251622_33036	NW_004517609.1	Scaffold2744	33036	GG	CC	1940526529
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SNP_P1_251639_48732	NW_004517609.1	Scaffold2744	48732	CC	TT	1940526563
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SNP_P1_251643_49011	NW_004517609.1	Scaffold2744	49011	AA	CC	1940526569
SNP_P1_251644_51581	NW_004517609.1	Scaffold2744	51581	CC	TT	1940526571
SNP_P1_251645_51589	NW_004517609.1	Scaffold2744	51589	GG	AA	1940526573
SNP_P1_251646_51623	NW_004517609.1	Scaffold2744	51623	GG	CC	1940526575
SNP_P1_251647_51636	NW_004517609.1	Scaffold2744	51636	CC	GG	1940526578
SNP_P1_251648_51657	NW_004517609.1	Scaffold2744	51657	AA	TT	1940526580
SNP_P1_251649_55289	NW_004517609.1	Scaffold2744	55289	CC	TT	1940526582
SNP_P1_251650_65668	NW_004517609.1	Scaffold2744	65668	GG	AA	1940526584

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251653_66042	NW_004517609.1	Scaffold2744	66042	GG	AA	1940526590
SNP_P1_251654_70717	NW_004517609.1	Scaffold2744	70717	GG	AA	1940526592
SNP_P1_251655_87655	NW_004517609.1	Scaffold2744	87655	TT	CC	1940526594
SNP_P1_251656_87703	NW_004517609.1	Scaffold2744	87703	GG	AA	1940526597
SNP_P1_251657_87752	NW_004517609.1	Scaffold2744	87752	CC	AA	1940526599
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SNP_P1_251659_87895	NW_004517609.1	Scaffold2744	87895	GG	AA	1940526603
SNP_P1_251661_341	NW_004517611.1	Scaffold2746	341	GG	TT	1940526605
SNP_P1_251662_353	NW_004517611.1	Scaffold2746	353	CC	GG	1940526607
SNP_P1_251663_544	NW_004517611.1	Scaffold2746	544	CC	TT	1940526609
SNP_P1_251664_631	NW_004517612.1	Scaffold2747	631	TT	GG	1940526611
SNP_P1_251665_711	NW_004517613.1	Scaffold2748	711	AA	GG	1940526613
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SNP_P1_251668_1349	NW_004517613.1	Scaffold2748	1349	TT	CC	1940526620
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SNP_P1_251670_1367	NW_004517613.1	Scaffold2748	1367	AA	TT	1940526624
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SNP_P1_251686_23765	NW_004517613.1	Scaffold2748	23765	AA	GG	1940526658
SNP_P1_251687_23959	NW_004517613.1	Scaffold2748	23959	GG	AA	1940526660
SNP_P1_251688_24316	NW_004517613.1	Scaffold2748	24316	TT	CC	1940526662
SNP_P1_251689_24518	NW_004517613.1	Scaffold2748	24518	CC	TT	1940526664
SNP_P1_251690_24534	NW_004517613.1	Scaffold2748	24534	GG	AA	1940526666
SNP_P1_251691_24582	NW_004517613.1	Scaffold2748	24582	GG	TT	1940526668
SNP_P1_251692_24803	NW_004517613.1	Scaffold2748	24803	AA	TT	1940526670
SNP_P1_251693_24982	NW_004517613.1	Scaffold2748	24982	TT	GG	1940526672

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251695_25359	NW_004517613.1	Scaffold2748	25359	CC	TT	1940526677
SNP_P1_251696_25414	NW_004517613.1	Scaffold2748	25414	TT	AA	1940526679
SNP_P1_251697_25418	NW_004517613.1	Scaffold2748	25418	AA	TT	1940526681
SNP_P1_251698_26678	NW_004517613.1	Scaffold2748	26678	GG	CC	1940526683
SNP_P1_251699_27231	NW_004517613.1	Scaffold2748	27231	AA	GG	1940526685
SNP_P1_251700_27677	NW_004517613.1	Scaffold2748	27677	CC	AA	1940526687
SNP_P1_251701_27782	NW_004517613.1	Scaffold2748	27782	AA	GG	1940526689
SNP_P1_251703_27893	NW_004517613.1	Scaffold2748	27893	TT	CC	1940526691
SNP_P1_251704_2233	NW_004517615.1	Scaffold2751	2233	TT	GG	1940526694
SNP_P1_251705_2277	NW_004517615.1	Scaffold2751	2277	CC	TT	1940526696
SNP_P1_251706_2279	NW_004517615.1	Scaffold2751	2279	TT	GG	1940526698
SNP_P1_251707_2489	NW_004517615.1	Scaffold2751	2489	GG	AA	1940526700
SNP_P1_251708_2574	NW_004517615.1	Scaffold2751	2574	AA	CC	1940526702
SNP_P1_251709_3777	NW_004517615.1	Scaffold2751	3777	AA	TT	1940526704
SNP_P1_251710_667	NW_004517618.1	Scaffold2755	667	TT	GG	1940526706
SNP_P1_251712_2393	NW_004517619.1	Scaffold2758	2393	GG	AA	1940526708
SNP_P1_251713_2597	NW_004517619.1	Scaffold2758	2597	AA	TT	1940526710
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SNP_P1_251716_9519	NW_004517621.1	Scaffold2761	9519	GG	AA	1940526717
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SNP_P1_251720_9429	NW_004517623.1	Scaffold2763	9429	TT	CC	1940526725
SNP_P1_251721_9470	NW_004517623.1	Scaffold2763	9470	TT	CC	1940526727
SNP_P1_251722_9481	NW_004517623.1	Scaffold2763	9481	AA	GG	1940526729
SNP_P1_251724_13479	NW_004517623.1	Scaffold2763	13479	TT	CC	1940526731
SNP_P1_251725_38277	NW_004517623.1	Scaffold2763	38277	TT	CC	1940526734
SNP_P1_251727_74404	NW_004517623.1	Scaffold2763	74404	AA	GG	1940526736
SNP_P1_251728_74422	NW_004517623.1	Scaffold2763	74422	CC	AA	1940526738
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SNP_P1_251733_138497	NW_004517623.1	Scaffold2763	138497	TT	CC	1940526746
SNP_P1_251734_140323	NW_004517623.1	Scaffold2763	140323	TT	AA	1940526748
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SNP_P1_251736_141663	NW_004517623.1	Scaffold2763	141663	AA	GG	1940526753
SNP_P1_251738_151026	NW_004517623.1	Scaffold2763	151026	AA	TT	1940526755
SNP_P1_251739_151078	NW_004517623.1	Scaffold2763	151078	GG	TT	1940526757
SNP_P1_251740_152832	NW_004517623.1	Scaffold2763	152832	GG	TT	1940526759
SNP_P1_251741_154145	NW_004517623.1	Scaffold2763	154145	AA	GG	1940526761

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251743_164976	NW_004517623.1	Scaffold2763	164976	GG	AA	1940526765
SNP_P1_251744_171725	NW_004517623.1	Scaffold2763	171725	AA	GG	1940526767
SNP_P1_251745_171747	NW_004517623.1	Scaffold2763	171747	AA	GG	1940526769
SNP_P1_251746_171894	NW_004517623.1	Scaffold2763	171894	AA	GG	1940526771
SNP_P1_251747_182636	NW_004517623.1	Scaffold2763	182636	CC	TT	1940526774
SNP_P1_251748_189438	NW_004517623.1	Scaffold2763	189438	AA	GG	1940526776
SNP_P1_251749_205946	NW_004517623.1	Scaffold2763	205946	CC	TT	1940526778
SNP_P1_251750_207327	NW_004517623.1	Scaffold2763	207327	TT	GG	1940526780
SNP_P1_251752_79	NW_004517625.1	Scaffold2766	79	GG	AA	1940526782
SNP_P1_251753_140	NW_004517625.1	Scaffold2766	140	AA	CC	1940526784
SNP_P1_251754_405	NW_004517625.1	Scaffold2766	405	GG	AA	1940526786
SNP_P1_251756_6041	NW_004517625.1	Scaffold2766	6041	AA	CC	1940526788
SNP_P1_251757_6762	NW_004517625.1	Scaffold2766	6762	CC	AA	1940526790
SNP_P1_251759_13128	NW_004517625.1	Scaffold2766	13128	AA	GG	1940526792
SNP_P1_251760_13472	NW_004517625.1	Scaffold2766	13472	TT	GG	1940526795
SNP_P1_251761_13496	NW_004517625.1	Scaffold2766	13496	AA	GG	1940526797
SNP_P1_251762_13511	NW_004517625.1	Scaffold2766	13511	GG	AA	1940526799
SNP_P1_251763_17970	NW_004517625.1	Scaffold2766	17970	CC	AA	1940526801
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SNP_P1_251766_1392	NW_004517626.1	Scaffold2769	1392	TT	AA	1940526807
SNP_P1_251767_2303	NW_004517626.1	Scaffold2769	2303	CC	AA	1940526809
SNP_P1_251769_285	NW_004517631.1	Scaffold2777	285	CC	GG	1940526811
SNP_P1_251770_1762	NW_004517631.1	Scaffold2777	1762	CC	TT	1940526813
SNP_P1_251771_2062	NW_004517631.1	Scaffold2777	2062	GG	AA	1940526816
SNP_P1_251772_2244	NW_004517631.1	Scaffold2777	2244	GG	TT	1940526818
SNP_P1_251773_2390	NW_004517631.1	Scaffold2777	2390	GG	AA	1940526820
SNP_P1_251774_2496	NW_004517631.1	Scaffold2777	2496	AA	GG	1940526822
SNP_P1_251775_2827	NW_004517631.1	Scaffold2777	2827	TT	CC	1940526824
SNP_P1_251777_4487	NW_004517631.1	Scaffold2777	4487	AA	TT	1940526826
SNP_P1_251778_5023	NW_004517631.1	Scaffold2777	5023	TT	AA	1940526828
SNP_P1_251780_5418	NW_004517631.1	Scaffold2777	5418	CC	GG	1940526830
SNP_P1_251781_84	NW_004517632.1	Scaffold2778	84	AA	GG	1940526832
SNP_P1_251782_4249	NW_004517632.1	Scaffold2778	4249	GG	AA	1940526834
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SNP_P1_251784_5220	NW_004517632.1	Scaffold2778	5220	TT	AA	1940526839
SNP_P1_251785_5341	NW_004517632.1	Scaffold2778	5341	GG	TT	1940526841
SNP_P1_251786_5366	NW_004517632.1	Scaffold2778	5366	GG	AA	1940526843
SNP_P1_251787_5583	NW_004517632.1	Scaffold2778	5583	CC	TT	1940526845
SNP_P1_251788_6674	NW_004517632.1	Scaffold2778	6674	TT	GG	1940526847
SNP_P1_251789_6901	NW_004517632.1	Scaffold2778	6901	CC	TT	1940526849

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251794_7252	NW_004517632.1	Scaffold2778	7252	TT	GG	1940526860
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SNP_P1_251796_7732	NW_004517632.1	Scaffold2778	7732	TT	CC	1940526864
SNP_P1_251797_7954	NW_004517632.1	Scaffold2778	7954	GG	AA	1940526866
SNP_P1_251798_11027	NW_004517632.1	Scaffold2778	11027	AA	CC	1940526868
SNP_P1_251799_11302	NW_004517632.1	Scaffold2778	11302	CC	AA	1940526870
SNP_P1_251800_11364	NW_004517632.1	Scaffold2778	11364	AA	TT	1940526872
SNP_P1_251801_11367	NW_004517632.1	Scaffold2778	11367	TT	AA	1940526874
SNP_P1_251802_11369	NW_004517632.1	Scaffold2778	11369	TT	CC	1940526876
SNP_P1_251803_11957	NW_004517632.1	Scaffold2778	11957	TT	CC	1940526879
SNP_P1_251804_12153	NW_004517632.1	Scaffold2778	12153	TT	CC	1940526881
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SNP_P1_251806_12452	NW_004517632.1	Scaffold2778	12452	CC	TT	1940526885
SNP_P1_251807_12526	NW_004517632.1	Scaffold2778	12526	CC	TT	1940526887
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SNP_P1_251816_1986	NW_004517633.1	Scaffold2779	1986	AA	TT	1940526906
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SNP_P1_251827_9631	NW_004517633.1	Scaffold2779	9631	AA	TT	1940526929
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SNP_P1_251829_11285	NW_004517633.1	Scaffold2779	11285	GG	AA	1940526933
SNP_P1_251830_12699	NW_004517633.1	Scaffold2779	12699	GG	AA	1940526935
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251834_13126	NW_004517633.1	Scaffold2779	13126	TT	CC	1940526944
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SNP_P1_251838_16680	NW_004517633.1	Scaffold2779	16680	TT	GG	1940526952
SNP_P1_251839_17725	NW_004517633.1	Scaffold2779	17725	TT	CC	1940526954
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SNP_P1_251842_17835	NW_004517633.1	Scaffold2779	17835	TT	CC	1940526961
SNP_P1_251843_17983	NW_004517633.1	Scaffold2779	17983	GG	TT	1940526963
SNP_P1_251844_18126	NW_004517633.1	Scaffold2779	18126	TT	AA	1940526965
SNP_P1_251845_18164	NW_004517633.1	Scaffold2779	18164	GG	TT	1940526967
SNP_P1_251846_25569	NW_004517633.1	Scaffold2779	25569	TT	AA	1940526969
SNP_P1_251847_1172	NW_004517634.1	Scaffold2780	1172	CC	AA	1940526971
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SNP_P1_251861_715	NW_004517635.1	Scaffold2782	715	CC	TT	1940527001
SNP_P1_251862_921	NW_004517635.1	Scaffold2782	921	CC	TT	1940527003
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SNP_P1_251870_6158	NW_004517635.1	Scaffold2782	6158	AA	GG	1940527020
SNP_P1_251871_6204	NW_004517635.1	Scaffold2782	6204	CC	TT	1940527022
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SNP_P1_251874_6372	NW_004517635.1	Scaffold2782	6372	AA	GG	1940527026

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251877_7392	NW_004517635.1	Scaffold2782	7392	CC	GG	1940527032
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SNP_P1_251879_8852	NW_004517635.1	Scaffold2782	8852	TT	GG	1940527036
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SNP_P1_251891_11162	NW_004517635.1	Scaffold2782	11162	AA	GG	1940527062
SNP_P1_251892_11164	NW_004517635.1	Scaffold2782	11164	CC	GG	1940527064
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SNP_P1_251900_40001	NW_004517635.1	Scaffold2782	40001	CC	TT	1940527079
SNP_P1_251901_40070	NW_004517635.1	Scaffold2782	40070	GG	TT	1940527081
SNP_P1_251902_40326	NW_004517635.1	Scaffold2782	40326	GG	AA	1940527083
SNP_P1_251903_40352	NW_004517635.1	Scaffold2782	40352	GG	AA	1940527085
SNP_P1_251904_41715	NW_004517635.1	Scaffold2782	41715	AA	GG	1940527087
SNP_P1_251905_41944	NW_004517635.1	Scaffold2782	41944	CC	TT	1940527089
SNP_P1_251906_41980	NW_004517635.1	Scaffold2782	41980	AA	TT	1940527091
SNP_P1_251907_41985	NW_004517635.1	Scaffold2782	41985	TT	AA	1940527093
SNP_P1_251908_42756	NW_004517635.1	Scaffold2782	42756	CC	TT	1940527095
SNP_P1_251909_50988	NW_004517635.1	Scaffold2782	50988	CC	GG	1940527097
SNP_P1_251910_51010	NW_004517635.1	Scaffold2782	51010	TT	AA	1940527100
SNP_P1_251911_51228	NW_004517635.1	Scaffold2782	51228	GG	AA	1940527102
SNP_P1_251913_51877	NW_004517635.1	Scaffold2782	51877	TT	CC	1940527104
SNP_P1_251915_60330	NW_004517635.1	Scaffold2782	60330	CC	AA	1940527106
SNP_P1_251916_60362	NW_004517635.1	Scaffold2782	60362	TT	GG	1940527108
SNP_P1_251917_60366	NW_004517635.1	Scaffold2782	60366	GG	AA	1940527110
SNP_P1_251918_60446	NW_004517635.1	Scaffold2782	60446	TT	AA	1940527112
SNP_P1_251919_60447	NW_004517635.1	Scaffold2782	60447	AA	TT	1940527114

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_251920_60564	NW_004517635.1	Scaffold2782	60564	CC	TT	1940527116
SNP_P1_251921_60579	NW_004517635.1	Scaffold2782	60579	AA	CC	1940527118
SNP_P1_251922_60606	NW_004517635.1	Scaffold2782	60606	GG	AA	1940527121
SNP_P1_251923_67247	NW_004517635.1	Scaffold2782	67247	GG	AA	1940527123
SNP_P1_251924_67508	NW_004517635.1	Scaffold2782	67508	TT	CC	1940527125
SNP_P1_251925_67839	NW_004517635.1	Scaffold2782	67839	TT	AA	1940527127
SNP_P1_251926_67901	NW_004517635.1	Scaffold2782	67901	TT	CC	1940527129
SNP_P1_251927_67908	NW_004517635.1	Scaffold2782	67908	AA	TT	1940527131
SNP_P1_251928_72242	NW_004517635.1	Scaffold2782	72242	TT	CC	1940527133
SNP_P1_251929_72473	NW_004517635.1	Scaffold2782	72473	AA	CC	1940527135
SNP_P1_251930_80321	NW_004517635.1	Scaffold2782	80321	CC	TT	1940527137
SNP_P1_251931_80337	NW_004517635.1	Scaffold2782	80337	TT	GG	1940527139
SNP_P1_251932_80414	NW_004517635.1	Scaffold2782	80414	TT	GG	1940527142
SNP_P1_251933_80504	NW_004517635.1	Scaffold2782	80504	AA	GG	1940527144
SNP_P1_251934_80580	NW_004517635.1	Scaffold2782	80580	CC	TT	1940527146
SNP_P1_251935_80988	NW_004517635.1	Scaffold2782	80988	GG	AA	1940527148
SNP_P1_251936_81034	NW_004517635.1	Scaffold2782	81034	CC	TT	1940527150
SNP_P1_251937_83444	NW_004517635.1	Scaffold2782	83444	AA	GG	1940527152
SNP_P1_251938_86312	NW_004517635.1	Scaffold2782	86312	GG	CC	1940527154
SNP_P1_251939_86348	NW_004517635.1	Scaffold2782	86348	TT	AA	1940527156
SNP_P1_251940_86603	NW_004517635.1	Scaffold2782	86603	AA	GG	1940527158
SNP_P1_251941_86610	NW_004517635.1	Scaffold2782	86610	TT	CC	1940527161
SNP_P1_251942_86742	NW_004517635.1	Scaffold2782	86742	GG	AA	1940527163
SNP_P1_251943_86946	NW_004517635.1	Scaffold2782	86946	GG	AA	1940527165
SNP_P1_251944_87065	NW_004517635.1	Scaffold2782	87065	TT	CC	1940527167
SNP_P1_251945_87258	NW_004517635.1	Scaffold2782	87258	TT	CC	1940527169
SNP_P1_251946_88819	NW_004517635.1	Scaffold2782	88819	AA	GG	1940527171
SNP_P1_251947_89697	NW_004517635.1	Scaffold2782	89697	GG	AA	1940527173
SNP_P1_251948_89722	NW_004517635.1	Scaffold2782	89722	AA	TT	1940527175
SNP_P1_251949_89736	NW_004517635.1	Scaffold2782	89736	CC	TT	1940527177
SNP_P1_251950_89739	NW_004517635.1	Scaffold2782	89739	AA	TT	1940527180
SNP_P1_251951_89762	NW_004517635.1	Scaffold2782	89762	GG	AA	1940527182
SNP_P1_251952_89788	NW_004517635.1	Scaffold2782	89788	CC	AA	1940527184
SNP_P1_251953_90206	NW_004517635.1	Scaffold2782	90206	GG	AA	1940527186
SNP_P1_251954_105935	NW_004517635.1	Scaffold2782	105935	AA	GG	1940527188
SNP_P1_251955_106025	NW_004517635.1	Scaffold2782	106025	AA	TT	1940527190
SNP_P1_251956_108820	NW_004517635.1	Scaffold2782	108820	CC	AA	1940527192
SNP_P1_251957_108836	NW_004517635.1	Scaffold2782	108836	GG	AA	1940527194
SNP_P1_251958_108872	NW_004517635.1	Scaffold2782	108872	AA	GG	1940527196
SNP_P1_251959_108902	NW_004517635.1	Scaffold2782	108902	GG	CC	1940527198
SNP_P1_251960_109199	NW_004517635.1	Scaffold2782	109199	TT	CC	1940527201
SNP_P1_251961_109306	NW_004517635.1	Scaffold2782	109306	AA	CC	1940527203

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_251963_109479	NW_004517635.1	Scaffold2782	109479	TT	GG	1940527207
SNP_P1_251964_109552	NW_004517635.1	Scaffold2782	109552	CC	GG	1940527209
SNP_P1_251965_109563	NW_004517635.1	Scaffold2782	109563	AA	GG	1940527211
SNP_P1_251966_109667	NW_004517635.1	Scaffold2782	109667	GG	AA	1940527213
SNP_P1_251967_109693	NW_004517635.1	Scaffold2782	109693	AA	CC	1940527215
SNP_P1_251968_109740	NW_004517635.1	Scaffold2782	109740	CC	AA	1940527217
SNP_P1_251969_109772	NW_004517635.1	Scaffold2782	109772	TT	CC	1940527219
SNP_P1_251970_109893	NW_004517635.1	Scaffold2782	109893	AA	TT	1940527222
SNP_P1_251971_109908	NW_004517635.1	Scaffold2782	109908	TT	CC	1940527224
SNP_P1_251972_109920	NW_004517635.1	Scaffold2782	109920	AA	TT	1940527226
SNP_P1_251973_109950	NW_004517635.1	Scaffold2782	109950	CC	AA	1940527228
SNP_P1_251974_110380	NW_004517635.1	Scaffold2782	110380	CC	TT	1940527230
SNP_P1_251975_111792	NW_004517635.1	Scaffold2782	111792	CC	AA	1940527232
SNP_P1_251976_111796	NW_004517635.1	Scaffold2782	111796	AA	CC	1940527234
SNP_P1_251977_111846	NW_004517635.1	Scaffold2782	111846	AA	GG	1940527236
SNP_P1_251978_111848	NW_004517635.1	Scaffold2782	111848	TT	CC	1940527238
SNP_P1_251979_111852	NW_004517635.1	Scaffold2782	111852	TT	CC	1940527241
SNP_P1_251980_111868	NW_004517635.1	Scaffold2782	111868	GG	TT	1940527243
SNP_P1_251981_111869	NW_004517635.1	Scaffold2782	111869	AA	TT	1940527245
SNP_P1_251982_111903	NW_004517635.1	Scaffold2782	111903	TT	GG	1940527247
SNP_P1_251983_112033	NW_004517635.1	Scaffold2782	112033	AA	CC	1940527249
SNP_P1_251984_112034	NW_004517635.1	Scaffold2782	112034	GG	AA	1940527251
SNP_P1_251985_112147	NW_004517635.1	Scaffold2782	112147	GG	TT	1940527253
SNP_P1_251986_112954	NW_004517635.1	Scaffold2782	112954	GG	AA	1940527255
SNP_P1_251987_112966	NW_004517635.1	Scaffold2782	112966	AA	GG	1940527257
SNP_P1_251988_113031	NW_004517635.1	Scaffold2782	113031	AA	TT	1940527259
SNP_P1_251989_113242	NW_004517635.1	Scaffold2782	113242	TT	CC	1940527262
SNP_P1_251990_113343	NW_004517635.1	Scaffold2782	113343	AA	TT	1940527264
SNP_P1_251991_13208	NW_004517636.1	Scaffold2783	13208	TT	AA	1940527266
SNP_P1_251992_15633	NW_004517636.1	Scaffold2783	15633	GG	AA	1940527268
SNP_P1_251993_2447	NW_004517637.1	Scaffold2784	2447	TT	AA	1940527270
SNP_P1_251994_2571	NW_004517637.1	Scaffold2784	2571	AA	CC	1940527272
SNP_P1_251996_2697	NW_004517637.1	Scaffold2784	2697	CC	GG	1940527274
SNP_P1_251997_2723	NW_004517637.1	Scaffold2784	2723	TT	GG	1940527276
SNP_P1_251998_2728	NW_004517637.1	Scaffold2784	2728	CC	TT	1940527278
SNP_P1_251999_2800	NW_004517637.1	Scaffold2784	2800	GG	AA	1940527280
SNP_P1_252000_3741	NW_004517637.1	Scaffold2784	3741	AA	TT	1940527283
SNP_P1_252001_3754	NW_004517637.1	Scaffold2784	3754	CC	AA	1940527285
SNP_P1_252002_5517	NW_004517637.1	Scaffold2784	5517	CC	AA	1940527287
SNP_P1_252003_12354	NW_004517637.1	Scaffold2784	12354	TT	CC	1940527289
SNP_P1_252004_13954	NW_004517637.1	Scaffold2784	13954	GG	CC	1940527291

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SNP_P1_252006_14216	NW_004517637.1	Scaffold2784	14216	CC	TT	1940527295
SNP_P1_252007_14275	NW_004517637.1	Scaffold2784	14275	AA	CC	1940527297
SNP_P1_252008_14334	NW_004517637.1	Scaffold2784	14334	AA	GG	1940527300
SNP_P1_252009_14370	NW_004517637.1	Scaffold2784	14370	AA	GG	1940527302
SNP_P1_252010_14386	NW_004517637.1	Scaffold2784	14386	AA	TT	1940527304
SNP_P1_252011_15798	NW_004517637.1	Scaffold2784	15798	CC	TT	1940527306
SNP_P1_252012_15855	NW_004517637.1	Scaffold2784	15855	AA	TT	1940527308
SNP_P1_252013_15868	NW_004517637.1	Scaffold2784	15868	AA	GG	1940527310
SNP_P1_252014_3106	NW_004517641.1	Scaffold2790	3106	CC	GG	1940527312
SNP_P1_252015_3124	NW_004517641.1	Scaffold2790	3124	AA	CC	1940527314
SNP_P1_252016_11044	NW_004517641.1	Scaffold2790	11044	GG	CC	1940527316
SNP_P1_252017_2652	NW_004517642.1	Scaffold2792	2652	AA	GG	1940527319
SNP_P1_252018_2673	NW_004517642.1	Scaffold2792	2673	TT	AA	1940527321
SNP_P1_252019_2729	NW_004517642.1	Scaffold2792	2729	TT	CC	1940527323
SNP_P1_252020_2890	NW_004517642.1	Scaffold2792	2890	TT	GG	1940527325
SNP_P1_252021_2902	NW_004517642.1	Scaffold2792	2902	AA	TT	1940527327
SNP_P1_252022_2903	NW_004517642.1	Scaffold2792	2903	AA	CC	1940527329
SNP_P1_252023_2943	NW_004517642.1	Scaffold2792	2943	GG	AA	1940527331
SNP_P1_252024_7770	NW_004517642.1	Scaffold2792	7770	GG	TT	1940527333
SNP_P1_252025_8302	NW_004517642.1	Scaffold2792	8302	CC	GG	1940527335
SNP_P1_252026_8340	NW_004517642.1	Scaffold2792	8340	CC	TT	1940527337
SNP_P1_252027_12812	NW_004517642.1	Scaffold2792	12812	TT	GG	1940527340
SNP_P1_252028_13161	NW_004517642.1	Scaffold2792	13161	CC	TT	1940527342
SNP_P1_252029_13700	NW_004517642.1	Scaffold2792	13700	TT	CC	1940527344
SNP_P1_252030_13901	NW_004517642.1	Scaffold2792	13901	AA	GG	1940527346
SNP_P1_252031_13975	NW_004517642.1	Scaffold2792	13975	AA	GG	1940527348
SNP_P1_252032_14020	NW_004517642.1	Scaffold2792	14020	TT	GG	1940527350
SNP_P1_252033_14070	NW_004517642.1	Scaffold2792	14070	TT	GG	1940527352
SNP_P1_252034_14148	NW_004517642.1	Scaffold2792	14148	TT	CC	1940527354
SNP_P1_252035_14157	NW_004517642.1	Scaffold2792	14157	AA	TT	1940527356
SNP_P1_252037_14427	NW_004517642.1	Scaffold2792	14427	TT	AA	1940527359
SNP_P1_252038_14788	NW_004517642.1	Scaffold2792	14788	GG	CC	1940527361
SNP_P1_252039_1752	NW_004517645.1	Scaffold2795	1752	GG	AA	1940527363
SNP_P1_252040_1768	NW_004517645.1	Scaffold2795	1768	GG	AA	1940527365
SNP_P1_252041_1847	NW_004517645.1	Scaffold2795	1847	TT	CC	1940527367
SNP_P1_252042_1869	NW_004517645.1	Scaffold2795	1869	TT	GG	1940527369
SNP_P1_252043_2261	NW_004517645.1	Scaffold2795	2261	AA	GG	1940527371
SNP_P1_252044_2318	NW_004517645.1	Scaffold2795	2318	CC	AA	1940527373
SNP_P1_252045_2353	NW_004517645.1	Scaffold2795	2353	GG	CC	1940527375
SNP_P1_252046_2392	NW_004517645.1	Scaffold2795	2392	AA	CC	1940527377
SNP_P1_252047_2595	NW_004517645.1	Scaffold2795	2595	TT	CC	1940527380

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252049_2882	NW_004517645.1	Scaffold2795	2882	GG	CC	1940527384
SNP_P1_252050_2912	NW_004517645.1	Scaffold2795	2912	TT	CC	1940527386
SNP_P1_252051_3071	NW_004517645.1	Scaffold2795	3071	CC	GG	1940527388
SNP_P1_252052_3072	NW_004517645.1	Scaffold2795	3072	TT	AA	1940527390
SNP_P1_252053_3085	NW_004517645.1	Scaffold2795	3085	CC	GG	1940527392
SNP_P1_252054_3087	NW_004517645.1	Scaffold2795	3087	CC	AA	1940527394
SNP_P1_252055_6336	NW_004517645.1	Scaffold2795	6336	CC	TT	1940527396
SNP_P1_252056_6472	NW_004517645.1	Scaffold2795	6472	AA	CC	1940527398
SNP_P1_252057_763	NW_004517648.1	Scaffold2799	763	CC	AA	1940527401
SNP_P1_252058_770	NW_004517648.1	Scaffold2799	770	CC	AA	1940527403
SNP_P1_252059_791	NW_004517648.1	Scaffold2799	791	CC	AA	1940527405
SNP_P1_252060_800	NW_004517648.1	Scaffold2799	800	GG	CC	1940527407
SNP_P1_252061_876	NW_004517648.1	Scaffold2799	876	CC	GG	1940527409
SNP_P1_252062_900	NW_004517648.1	Scaffold2799	900	CC	TT	1940527411
SNP_P1_252063_944	NW_004517648.1	Scaffold2799	944	GG	AA	1940527413
SNP_P1_252064_1059	NW_004517648.1	Scaffold2799	1059	AA	TT	1940527415
SNP_P1_252065_1102	NW_004517648.1	Scaffold2799	1102	AA	GG	1940527417
SNP_P1_252066_1123	NW_004517648.1	Scaffold2799	1123	TT	AA	1940527419
SNP_P1_252067_8161	NW_004517648.1	Scaffold2799	8161	TT	CC	1940527422
SNP_P1_252068_8181	NW_004517648.1	Scaffold2799	8181	GG	TT	1940527424
SNP_P1_252069_9175	NW_004517648.1	Scaffold2799	9175	AA	GG	1940527426
SNP_P1_252070_19681	NW_004517648.1	Scaffold2799	19681	CC	TT	1940527428
SNP_P1_252071_21192	NW_004517648.1	Scaffold2799	21192	AA	GG	1940527430
SNP_P1_252072_25699	NW_004517648.1	Scaffold2799	25699	AA	TT	1940527432
SNP_P1_252073_25747	NW_004517648.1	Scaffold2799	25747	TT	CC	1940527434
SNP_P1_252074_25921	NW_004517648.1	Scaffold2799	25921	GG	AA	1940527436
SNP_P1_252075_25926	NW_004517648.1	Scaffold2799	25926	GG	CC	1940527438
SNP_P1_252076_31337	NW_004517648.1	Scaffold2799	31337	TT	GG	1940527441
SNP_P1_252077_31345	NW_004517648.1	Scaffold2799	31345	AA	CC	1940527443
SNP_P1_252078_31395	NW_004517648.1	Scaffold2799	31395	CC	TT	1940527445
SNP_P1_252079_31789	NW_004517648.1	Scaffold2799	31789	CC	AA	1940527447
SNP_P1_252080_32063	NW_004517648.1	Scaffold2799	32063	GG	AA	1940527449
SNP_P1_252081_34100	NW_004517648.1	Scaffold2799	34100	GG	AA	1940527451
SNP_P1_252082_34729	NW_004517648.1	Scaffold2799	34729	AA	GG	1940527453
SNP_P1_252083_34736	NW_004517648.1	Scaffold2799	34736	CC	TT	1940527455
SNP_P1_252084_36504	NW_004517648.1	Scaffold2799	36504	CC	TT	1940527457
SNP_P1_252085_45911	NW_004517648.1	Scaffold2799	45911	AA	GG	1940527460
SNP_P1_252086_45912	NW_004517648.1	Scaffold2799	45912	AA	GG	1940527462
SNP_P1_252087_45932	NW_004517648.1	Scaffold2799	45932	CC	TT	1940527464
SNP_P1_252088_45948	NW_004517648.1	Scaffold2799	45948	CC	AA	1940527466
SNP_P1_252089_46020	NW_004517648.1	Scaffold2799	46020	AA	GG	1940527468

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252091_46062	NW_004517648.1	Scaffold2799	46062	AA	GG	1940527472
SNP_P1_252092_46077	NW_004517648.1	Scaffold2799	46077	AA	GG	1940527474
SNP_P1_252093_46086	NW_004517648.1	Scaffold2799	46086	TT	CC	1940527476
SNP_P1_252094_46098	NW_004517648.1	Scaffold2799	46098	TT	CC	1940527478
SNP_P1_252095_64	NW_004517650.1	Scaffold2801	64	AA	CC	1940527481
SNP_P1_252096_81	NW_004517650.1	Scaffold2801	81	TT	CC	1940527483
SNP_P1_252097_430	NW_004517650.1	Scaffold2801	430	AA	TT	1940527485
SNP_P1_252098_433	NW_004517650.1	Scaffold2801	433	TT	AA	1940527487
SNP_P1_252099_437	NW_004517650.1	Scaffold2801	437	CC	GG	1940527489
SNP_P1_252100_457	NW_004517650.1	Scaffold2801	457	AA	GG	1940527491
SNP_P1_252101_1077	NW_004517651.1	Scaffold2802	1077	CC	GG	1940527493
SNP_P1_252102_214	NW_004517652.1	Scaffold2803	214	AA	GG	1940527495
SNP_P1_252103_396	NW_004517652.1	Scaffold2803	396	GG	TT	1940527497
SNP_P1_252104_693	NW_004517656.1	Scaffold2810	693	AA	TT	1940527499
SNP_P1_252106_12240	NW_004517657.1	Scaffold2812	12240	GG	AA	1940527502
SNP_P1_252107_16123	NW_004517657.1	Scaffold2812	16123	TT	CC	1940527504
SNP_P1_252108_16896	NW_004517657.1	Scaffold2812	16896	AA	TT	1940527506
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SNP_P1_252116_19773	NW_004517657.1	Scaffold2812	19773	TT	GG	1940527523
SNP_P1_252118_21202	NW_004517657.1	Scaffold2812	21202	AA	TT	1940527525
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SNP_P1_252121_25417	NW_004517657.1	Scaffold2812	25417	CC	AA	1940527531
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SNP_P1_252132_45671	NW_004517657.1	Scaffold2812	45671	TT	AA	1940527552
SNP_P1_252133_50792	NW_004517657.1	Scaffold2812	50792	AA	GG	1940527554
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252141_60683	NW_004517657.1	Scaffold2812	60683	AA	GG	1940527569
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SNP_P1_252146_80581	NW_004517657.1	Scaffold2812	80581	TT	AA	1940527577
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SNP_P1_252148_95700	NW_004517657.1	Scaffold2812	95700	TT	CC	1940527582
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SNP_P1_252150_265	NW_004517658.1	Scaffold2813	265	AA	GG	1940527586
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SNP_P1_252173_6175	NW_004517659.1	Scaffold2815	6175	AA	GG	1940527628
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SNP_P1_252179_70895	NW_004517659.1	Scaffold2815	70895	TT	CC	1940527640
SNP_P1_252180_70986	NW_004517659.1	Scaffold2815	70986	TT	AA	1940527642
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252186_71328	NW_004517659.1	Scaffold2815	71328	AA	GG	1940527655
SNP_P1_252187_71332	NW_004517659.1	Scaffold2815	71332	TT	GG	1940527657
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SNP_P1_252189_71439	NW_004517659.1	Scaffold2815	71439	CC	TT	1940527661
SNP_P1_252191_71459	NW_004517659.1	Scaffold2815	71459	CC	TT	1940527663
SNP_P1_252192_71533	NW_004517659.1	Scaffold2815	71533	TT	CC	1940527665
SNP_P1_252193_71598	NW_004517659.1	Scaffold2815	71598	TT	AA	1940527667
SNP_P1_252194_71846	NW_004517659.1	Scaffold2815	71846	CC	TT	1940527670
SNP_P1_252195_83193	NW_004517659.1	Scaffold2815	83193	GG	AA	1940527672
SNP_P1_252196_1154	NW_004517660.1	Scaffold2816	1154	GG	TT	1940527674
SNP_P1_252197_855	NW_004517661.1	Scaffold2817	855	AA	GG	1940527676
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SNP_P1_252200_926	NW_004517661.1	Scaffold2817	926	AA	GG	1940527682
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SNP_P1_252207_12314	NW_004517663.1	Scaffold2819	12314	AA	GG	1940527697
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SNP_P1_252223_13437	NW_004517663.1	Scaffold2819	13437	CC	TT	1940527731
SNP_P1_252224_18155	NW_004517663.1	Scaffold2819	18155	AA	CC	1940527733

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252228_18280	NW_004517663.1	Scaffold2819	18280	TT	CC	1940527741
SNP_P1_252229_18468	NW_004517663.1	Scaffold2819	18468	GG	CC	1940527743
SNP_P1_252230_18505	NW_004517663.1	Scaffold2819	18505	AA	GG	1940527745
SNP_P1_252231_18655	NW_004517663.1	Scaffold2819	18655	GG	TT	1940527747
SNP_P1_252233_18836	NW_004517663.1	Scaffold2819	18836	AA	GG	1940527750
SNP_P1_252234_18917	NW_004517663.1	Scaffold2819	18917	TT	CC	1940527752
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SNP_P1_252237_2894	NW_004517666.1	Scaffold2823	2894	TT	CC	1940527758
SNP_P1_252238_3309	NW_004517666.1	Scaffold2823	3309	GG	AA	1940527760
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SNP_P1_252266_298	NW_004517672.1	Scaffold2833	298	GG	CC	1940527819
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252271_749	NW_004517672.1	Scaffold2833	749	CC	AA	1940527829
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SNP_P1_252273_6938	NW_004517673.1	Scaffold2834	6938	AA	GG	1940527834
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252330_44742	NW_004517686.1	Scaffold2848	44742	CC	TT	1940527941
SNP_P1_252331_54164	NW_004517686.1	Scaffold2848	54164	AA	GG	1940527943
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SNP_P1_252333_27463	NW_004517687.1	Scaffold2850	27463	TT	GG	1940527947
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SNP_P1_252337_28387	NW_004517687.1	Scaffold2850	28387	GG	AA	1940527956
SNP_P1_252338_28434	NW_004517687.1	Scaffold2850	28434	TT	CC	1940527958
SNP_P1_252339_28484	NW_004517687.1	Scaffold2850	28484	GG	TT	1940527960
SNP_P1_252340_28519	NW_004517687.1	Scaffold2850	28519	GG	AA	1940527962
SNP_P1_252341_31638	NW_004517687.1	Scaffold2850	31638	CC	TT	1940527964
SNP_P1_252342_31645	NW_004517687.1	Scaffold2850	31645	CC	TT	1940527966
SNP_P1_252343_594	NW_004517688.1	Scaffold2851	594	CC	TT	1940527968
SNP_P1_252344_606	NW_004517688.1	Scaffold2851	606	GG	AA	1940527970
SNP_P1_252345_638	NW_004517688.1	Scaffold2851	638	GG	TT	1940527973
SNP_P1_252346_657	NW_004517688.1	Scaffold2851	657	GG	AA	1940527975
SNP_P1_252347_1431	NW_004517688.1	Scaffold2851	1431	CC	TT	1940527977
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SNP_P1_252349_1752	NW_004517688.1	Scaffold2851	1752	TT	GG	1940527981
SNP_P1_252350_3672	NW_004517689.1	Scaffold2852	3672	CC	AA	1940527983
SNP_P1_252351_3673	NW_004517689.1	Scaffold2852	3673	CC	TT	1940527985
SNP_P1_252352_3732	NW_004517689.1	Scaffold2852	3732	CC	TT	1940527988
SNP_P1_252353_3739	NW_004517689.1	Scaffold2852	3739	GG	AA	1940527990
SNP_P1_252354_4094	NW_004517689.1	Scaffold2852	4094	CC	AA	1940527992
SNP_P1_252355_4178	NW_004517689.1	Scaffold2852	4178	CC	TT	1940527994
SNP_P1_252356_7677	NW_004517689.1	Scaffold2852	7677	CC	GG	1940527996
SNP_P1_252357_7837	NW_004517689.1	Scaffold2852	7837	CC	TT	1940527998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252360_8177	NW_004517689.1	Scaffold2852	8177	AA	CC	1940528004
SNP_P1_252361_8183	NW_004517689.1	Scaffold2852	8183	TT	AA	1940528007
SNP_P1_252362_8233	NW_004517689.1	Scaffold2852	8233	CC	GG	1940528009
SNP_P1_252363_8661	NW_004517689.1	Scaffold2852	8661	GG	AA	1940528011
SNP_P1_252364_8905	NW_004517689.1	Scaffold2852	8905	GG	TT	1940528013
SNP_P1_252365_8955	NW_004517689.1	Scaffold2852	8955	TT	CC	1940528015
SNP_P1_252366_8957	NW_004517689.1	Scaffold2852	8957	TT	AA	1940528017
SNP_P1_252367_8985	NW_004517689.1	Scaffold2852	8985	CC	AA	1940528019
SNP_P1_252368_19780	NW_004517689.1	Scaffold2852	19780	CC	GG	1940528021
SNP_P1_252369_19940	NW_004517689.1	Scaffold2852	19940	AA	GG	1940528023
SNP_P1_252370_387	NW_004517690.1	Scaffold2853	387	CC	GG	1940528025
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SNP_P1_252372_6636	NW_004517690.1	Scaffold2853	6636	GG	AA	1940528030
SNP_P1_252373_8051	NW_004517690.1	Scaffold2853	8051	GG	TT	1940528032
SNP_P1_252375_8561	NW_004517690.1	Scaffold2853	8561	GG	AA	1940528034
SNP_P1_252376_8583	NW_004517690.1	Scaffold2853	8583	TT	GG	1940528036
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SNP_P1_252378_9895	NW_004517690.1	Scaffold2853	9895	TT	AA	1940528040
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SNP_P1_252399_16541	NW_004517690.1	Scaffold2853	16541	AA	GG	1940528082
SNP_P1_252400_16569	NW_004517690.1	Scaffold2853	16569	TT	CC	1940528084
SNP_P1_252401_16795	NW_004517690.1	Scaffold2853	16795	CC	TT	1940528086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252405_17057	NW_004517690.1	Scaffold2853	17057	TT	CC	1940528095
SNP_P1_252407_21576	NW_004517690.1	Scaffold2853	21576	AA	TT	1940528097
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SNP_P1_252409_25918	NW_004517690.1	Scaffold2853	25918	AA	GG	1940528101
SNP_P1_252410_26028	NW_004517690.1	Scaffold2853	26028	CC	GG	1940528103
SNP_P1_252411_26294	NW_004517690.1	Scaffold2853	26294	CC	TT	1940528105
SNP_P1_252412_530	NW_004517694.1	Scaffold2859	530	TT	AA	1940528108
SNP_P1_252413_6179	NW_004517695.1	Scaffold2861	6179	AA	GG	1940528110
SNP_P1_252414_6638	NW_004517695.1	Scaffold2861	6638	GG	TT	1940528112
SNP_P1_252415_9616	NW_004517695.1	Scaffold2861	9616	TT	CC	1940528114
SNP_P1_252416_9624	NW_004517695.1	Scaffold2861	9624	AA	TT	1940528116
SNP_P1_252417_9634	NW_004517695.1	Scaffold2861	9634	GG	AA	1940528118
SNP_P1_252418_1347	NW_004517696.1	Scaffold2863	1347	CC	GG	1940528120
SNP_P1_252419_5325	NW_004517698.1	Scaffold2866	5325	TT	GG	1940528123
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SNP_P1_252426_30241	NW_004517700.1	Scaffold2869	30241	AA	GG	1940528136
SNP_P1_252427_30725	NW_004517700.1	Scaffold2869	30725	GG	AA	1940528138
SNP_P1_252429_272	NW_004517701.1	Scaffold2870	272	CC	TT	1940528140
SNP_P1_252430_522	NW_004517701.1	Scaffold2870	522	TT	CC	1940528142
SNP_P1_252431_558	NW_004517701.1	Scaffold2870	558	CC	TT	1940528144
SNP_P1_252432_561	NW_004517701.1	Scaffold2870	561	GG	AA	1940528146
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SNP_P1_252437_12603	NW_004517702.1	Scaffold2871	12603	GG	AA	1940528155
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SNP_P1_252441_18618	NW_004517702.1	Scaffold2871	18618	CC	GG	1940528164
SNP_P1_252442_23421	NW_004517702.1	Scaffold2871	23421	GG	TT	1940528166
SNP_P1_252443_23422	NW_004517702.1	Scaffold2871	23422	CC	TT	1940528168
SNP_P1_252444_28421	NW_004517702.1	Scaffold2871	28421	GG	AA	1940528170
SNP_P1_252445_28796	NW_004517702.1	Scaffold2871	28796	TT	CC	1940528172
SNP_P1_252446_30409	NW_004517702.1	Scaffold2871	30409	CC	TT	1940528174
SNP_P1_252448_30425	NW_004517702.1	Scaffold2871	30425	TT	CC	1940528177

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252454_1876	NW_004517707.1	Scaffold2876	1876	CC	GG	1940528183
SNP_P1_252455_21576	NW_004517707.1	Scaffold2876	21576	TT	AA	1940528185
SNP_P1_252456_663	NW_004517708.1	Scaffold2878	663	CC	AA	1940528187
SNP_P1_252457_962	NW_004517708.1	Scaffold2878	962	CC	GG	1940528189
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SNP_P1_252459_998	NW_004517708.1	Scaffold2878	998	GG	AA	1940528194
SNP_P1_252460_1013	NW_004517708.1	Scaffold2878	1013	CC	GG	1940528196
SNP_P1_252461_1053	NW_004517708.1	Scaffold2878	1053	GG	AA	1940528198
SNP_P1_252462_87	NW_004517710.1	Scaffold2880	87	CC	GG	1940528200
SNP_P1_252463_98	NW_004517710.1	Scaffold2880	98	GG	TT	1940528202
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SNP_P1_252467_5911	NW_004517712.1	Scaffold2882	5911	GG	TT	1940528209
SNP_P1_252468_5922	NW_004517712.1	Scaffold2882	5922	GG	CC	1940528211
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SNP_P1_252477_14448	NW_004517712.1	Scaffold2882	14448	CC	GG	1940528231
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SNP_P1_252489_26170	NW_004517712.1	Scaffold2882	26170	GG	AA	1940528256
SNP_P1_252490_26184	NW_004517712.1	Scaffold2882	26184	CC	AA	1940528259
SNP_P1_252491_26193	NW_004517712.1	Scaffold2882	26193	TT	GG	1940528261
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SNP_P1_252494_377	NW_004517717.1	Scaffold2887	377	TT	GG	1940528265
SNP_P1_252495_6884	NW_004517717.1	Scaffold2887	6884	CC	TT	1940528267

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252498_7254	NW_004517717.1	Scaffold2887	7254	TT	AA	1940528274
SNP_P1_252499_7255	NW_004517717.1	Scaffold2887	7255	TT	GG	1940528276
SNP_P1_252500_7388	NW_004517717.1	Scaffold2887	7388	AA	TT	1940528278
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SNP_P1_252508_29673	NW_004517717.1	Scaffold2887	29673	TT	CC	1940528291
SNP_P1_252509_29770	NW_004517717.1	Scaffold2887	29770	GG	AA	1940528293
SNP_P1_252511_29924	NW_004517717.1	Scaffold2887	29924	AA	GG	1940528295
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SNP_P1_252516_47998	NW_004517717.1	Scaffold2887	47998	GG	AA	1940528304
SNP_P1_252517_48055	NW_004517717.1	Scaffold2887	48055	AA	GG	1940528306
SNP_P1_252518_48057	NW_004517717.1	Scaffold2887	48057	GG	AA	1940528308
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SNP_P1_252524_568	NW_004517719.1	Scaffold2889	568	TT	CC	1940528321
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SNP_P1_252530_10722	NW_004517721.1	Scaffold2893	10722	AA	GG	1940528332
SNP_P1_252531_11474	NW_004517721.1	Scaffold2893	11474	GG	CC	1940528334
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SNP_P1_252537_17908	NW_004517721.1	Scaffold2893	17908	TT	AA	1940528347
SNP_P1_252538_25846	NW_004517721.1	Scaffold2893	25846	CC	GG	1940528349
SNP_P1_252539_25997	NW_004517721.1	Scaffold2893	25997	TT	CC	1940528351
SNP_P1_252540_26026	NW_004517721.1	Scaffold2893	26026	CC	TT	1940528354
SNP_P1_252541_26057	NW_004517721.1	Scaffold2893	26057	AA	GG	1940528356
SNP_P1_252542_26125	NW_004517721.1	Scaffold2893	26125	GG	AA	1940528358

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252545_26371	NW_004517721.1	Scaffold2893	26371	GG	AA	1940528364
SNP_P1_252546_26544	NW_004517721.1	Scaffold2893	26544	TT	CC	1940528367
SNP_P1_252547_26582	NW_004517721.1	Scaffold2893	26582	AA	TT	1940528369
SNP_P1_252548_26663	NW_004517721.1	Scaffold2893	26663	TT	GG	1940528371
SNP_P1_252549_26704	NW_004517721.1	Scaffold2893	26704	TT	GG	1940528373
SNP_P1_252550_26822	NW_004517721.1	Scaffold2893	26822	TT	GG	1940528375
SNP_P1_252551_26825	NW_004517721.1	Scaffold2893	26825	TT	CC	1940528377
SNP_P1_252552_26926	NW_004517721.1	Scaffold2893	26926	CC	AA	1940528379
SNP_P1_252553_26963	NW_004517721.1	Scaffold2893	26963	CC	TT	1940528382
SNP_P1_252554_27176	NW_004517721.1	Scaffold2893	27176	GG	CC	1940528384
SNP_P1_252555_27191	NW_004517721.1	Scaffold2893	27191	GG	TT	1940528386
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SNP_P1_252557_27316	NW_004517721.1	Scaffold2893	27316	AA	GG	1940528390
SNP_P1_252558_27538	NW_004517721.1	Scaffold2893	27538	TT	CC	1940528392
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SNP_P1_252563_2789	NW_004517723.1	Scaffold2896	2789	AA	GG	1940528403
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SNP_P1_252568_30452	NW_004517723.1	Scaffold2896	30452	AA	GG	1940528414
SNP_P1_252570_32806	NW_004517723.1	Scaffold2896	32806	AA	GG	1940528416
SNP_P1_252571_32818	NW_004517723.1	Scaffold2896	32818	TT	GG	1940528418
SNP_P1_252572_32843	NW_004517723.1	Scaffold2896	32843	CC	TT	1940528420
SNP_P1_252573_32893	NW_004517723.1	Scaffold2896	32893	TT	CC	1940528423
SNP_P1_252574_32976	NW_004517723.1	Scaffold2896	32976	AA	TT	1940528425
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SNP_P1_252580_33909	NW_004517723.1	Scaffold2896	33909	CC	AA	1940528437
SNP_P1_252581_50635	NW_004517723.1	Scaffold2896	50635	GG	TT	1940528440
SNP_P1_252582_4270	NW_004517725.1	Scaffold2898	4270	AA	GG	1940528442
SNP_P1_252583_10361	NW_004517725.1	Scaffold2898	10361	CC	AA	1940528444
SNP_P1_252584_1067	NW_004517727.1	Scaffold2900	1067	CC	GG	1940528446
SNP_P1_252585_1158	NW_004517727.1	Scaffold2900	1158	CC	TT	1940528448

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252588_1458	NW_004517727.1	Scaffold2900	1458	GG	CC	1940528455
SNP_P1_252589_1596	NW_004517727.1	Scaffold2900	1596	GG	AA	1940528457
SNP_P1_252590_1837	NW_004517727.1	Scaffold2900	1837	TT	AA	1940528459
SNP_P1_252591_2036	NW_004517727.1	Scaffold2900	2036	TT	CC	1940528461
SNP_P1_252592_2134	NW_004517727.1	Scaffold2900	2134	GG	CC	1940528463
SNP_P1_252593_5179	NW_004517727.1	Scaffold2900	5179	TT	AA	1940528465
SNP_P1_252594_5298	NW_004517727.1	Scaffold2900	5298	AA	CC	1940528468
SNP_P1_252595_5453	NW_004517727.1	Scaffold2900	5453	GG	AA	1940528470
SNP_P1_252596_5570	NW_004517727.1	Scaffold2900	5570	CC	TT	1940528472
SNP_P1_252597_7046	NW_004517727.1	Scaffold2900	7046	GG	AA	1940528474
SNP_P1_252598_7330	NW_004517727.1	Scaffold2900	7330	CC	TT	1940528476
SNP_P1_252599_7429	NW_004517727.1	Scaffold2900	7429	GG	AA	1940528478
SNP_P1_252600_7480	NW_004517727.1	Scaffold2900	7480	CC	AA	1940528481
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SNP_P1_252602_7823	NW_004517727.1	Scaffold2900	7823	GG	TT	1940528485
SNP_P1_252604_8196	NW_004517727.1	Scaffold2900	8196	AA	GG	1940528487
SNP_P1_252605_8214	NW_004517727.1	Scaffold2900	8214	CC	GG	1940528489
SNP_P1_252606_8418	NW_004517727.1	Scaffold2900	8418	AA	TT	1940528491
SNP_P1_252607_9514	NW_004517727.1	Scaffold2900	9514	GG	AA	1940528493
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SNP_P1_252609_9570	NW_004517727.1	Scaffold2900	9570	CC	TT	1940528498
SNP_P1_252610_13360	NW_004517727.1	Scaffold2900	13360	CC	GG	1940528500
SNP_P1_252611_13488	NW_004517727.1	Scaffold2900	13488	GG	TT	1940528502
SNP_P1_252612_382	NW_004517729.1	Scaffold2903	382	CC	TT	1940528504
SNP_P1_252614_4242	NW_004517730.1	Scaffold2904	4242	TT	CC	1940528506
SNP_P1_252615_4258	NW_004517730.1	Scaffold2904	4258	CC	AA	1940528508
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SNP_P1_252617_4329	NW_004517730.1	Scaffold2904	4329	CC	TT	1940528513
SNP_P1_252618_4344	NW_004517730.1	Scaffold2904	4344	TT	CC	1940528515
SNP_P1_252619_4408	NW_004517730.1	Scaffold2904	4408	CC	TT	1940528517
SNP_P1_252620_4417	NW_004517730.1	Scaffold2904	4417	CC	TT	1940528519
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SNP_P1_252623_6070	NW_004517730.1	Scaffold2904	6070	AA	GG	1940528525
SNP_P1_252624_6154	NW_004517730.1	Scaffold2904	6154	TT	AA	1940528527
SNP_P1_252625_6190	NW_004517730.1	Scaffold2904	6190	GG	TT	1940528529
SNP_P1_252626_6193	NW_004517730.1	Scaffold2904	6193	TT	CC	1940528532
SNP_P1_252627_6196	NW_004517730.1	Scaffold2904	6196	GG	AA	1940528534
SNP_P1_252629_6268	NW_004517730.1	Scaffold2904	6268	GG	AA	1940528536
SNP_P1_252630_6487	NW_004517730.1	Scaffold2904	6487	AA	GG	1940528538

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252633_7232	NW_004517730.1	Scaffold2904	7232	CC	TT	1940528542
SNP_P1_252634_7233	NW_004517730.1	Scaffold2904	7233	TT	CC	1940528544
SNP_P1_252635_7259	NW_004517730.1	Scaffold2904	7259	AA	GG	1940528546
SNP_P1_252636_863	NW_004517731.1	Scaffold2905	863	GG	AA	1940528548
SNP_P1_252637_1224	NW_004517731.1	Scaffold2905	1224	TT	AA	1940528550
SNP_P1_252638_20787	NW_004517733.1	Scaffold2907	20787	TT	CC	1940528553
SNP_P1_252640_21188	NW_004517733.1	Scaffold2907	21188	TT	CC	1940528555
SNP_P1_252641_21199	NW_004517733.1	Scaffold2907	21199	AA	TT	1940528557
SNP_P1_252643_30806	NW_004517733.1	Scaffold2907	30806	AA	GG	1940528559
SNP_P1_252644_30837	NW_004517733.1	Scaffold2907	30837	CC	GG	1940528561
SNP_P1_252645_317	NW_004517737.1	Scaffold2914	317	AA	GG	1940528563
SNP_P1_252646_4006	NW_004517737.1	Scaffold2914	4006	AA	GG	1940528565
SNP_P1_252647_4013	NW_004517737.1	Scaffold2914	4013	GG	AA	1940528567
SNP_P1_252648_4051	NW_004517737.1	Scaffold2914	4051	TT	CC	1940528569
SNP_P1_252649_4281	NW_004517737.1	Scaffold2914	4281	AA	CC	1940528571
SNP_P1_252650_4300	NW_004517737.1	Scaffold2914	4300	AA	GG	1940528574
SNP_P1_252651_4318	NW_004517737.1	Scaffold2914	4318	TT	CC	1940528576
SNP_P1_252652_4336	NW_004517737.1	Scaffold2914	4336	CC	TT	1940528578
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SNP_P1_252654_4358	NW_004517737.1	Scaffold2914	4358	AA	GG	1940528582
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SNP_P1_252657_4384	NW_004517737.1	Scaffold2914	4384	AA	GG	1940528588
SNP_P1_252658_4397	NW_004517737.1	Scaffold2914	4397	AA	GG	1940528590
SNP_P1_252659_4400	NW_004517737.1	Scaffold2914	4400	AA	GG	1940528593
SNP_P1_252660_4436	NW_004517737.1	Scaffold2914	4436	AA	GG	1940528595
SNP_P1_252661_4459	NW_004517737.1	Scaffold2914	4459	AA	GG	1940528597
SNP_P1_252662_4462	NW_004517737.1	Scaffold2914	4462	AA	GG	1940528599
SNP_P1_252663_4468	NW_004517737.1	Scaffold2914	4468	GG	AA	1940528601
SNP_P1_252664_4473	NW_004517737.1	Scaffold2914	4473	AA	GG	1940528603
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SNP_P1_252666_4490	NW_004517737.1	Scaffold2914	4490	AA	CC	1940528607
SNP_P1_252667_4501	NW_004517737.1	Scaffold2914	4501	AA	GG	1940528609
SNP_P1_252668_4531	NW_004517737.1	Scaffold2914	4531	AA	TT	1940528611
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SNP_P1_252670_4803	NW_004517737.1	Scaffold2914	4803	AA	GG	1940528616
SNP_P1_252671_4865	NW_004517737.1	Scaffold2914	4865	AA	CC	1940528618
SNP_P1_252672_4904	NW_004517737.1	Scaffold2914	4904	GG	AA	1940528620
SNP_P1_252673_16282	NW_004517738.1	Scaffold2915	16282	AA	CC	1940528622
SNP_P1_252675_15830	NW_004517739.1	Scaffold2916	15830	CC	TT	1940528624
SNP_P1_252676_16059	NW_004517739.1	Scaffold2916	16059	AA	GG	1940528626

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252678_19658	NW_004517739.1	Scaffold2916	19658	TT	CC	1940528630
SNP_P1_252679_44383	NW_004517739.1	Scaffold2916	44383	TT	CC	1940528633
SNP_P1_252680_55758	NW_004517739.1	Scaffold2916	55758	AA	GG	1940528635
SNP_P1_252681_55803	NW_004517739.1	Scaffold2916	55803	TT	CC	1940528637
SNP_P1_252682_64653	NW_004517739.1	Scaffold2916	64653	CC	TT	1940528639
SNP_P1_252684_80801	NW_004517739.1	Scaffold2916	80801	AA	GG	1940528641
SNP_P1_252685_8588	NW_004517742.1	Scaffold2919	8588	GG	AA	1940528643
SNP_P1_252686_8641	NW_004517742.1	Scaffold2919	8641	GG	AA	1940528645
SNP_P1_252687_8695	NW_004517742.1	Scaffold2919	8695	AA	TT	1940528647
SNP_P1_252688_8854	NW_004517742.1	Scaffold2919	8854	CC	TT	1940528649
SNP_P1_252690_1640	NW_004517744.1	Scaffold2921	1640	CC	TT	1940528651
SNP_P1_252691_1811	NW_004517744.1	Scaffold2921	1811	AA	GG	1940528654
SNP_P1_252692_2082	NW_004517744.1	Scaffold2921	2082	AA	GG	1940528656
SNP_P1_252693_8082	NW_004517744.1	Scaffold2921	8082	CC	AA	1940528658
SNP_P1_252694_8507	NW_004517744.1	Scaffold2921	8507	GG	CC	1940528660
SNP_P1_252695_8519	NW_004517744.1	Scaffold2921	8519	TT	CC	1940528662
SNP_P1_252696_8521	NW_004517744.1	Scaffold2921	8521	CC	TT	1940528664
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SNP_P1_252698_8529	NW_004517744.1	Scaffold2921	8529	TT	AA	1940528668
SNP_P1_252699_8698	NW_004517744.1	Scaffold2921	8698	GG	CC	1940528670
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SNP_P1_252701_11405	NW_004517744.1	Scaffold2921	11405	CC	GG	1940528675
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SNP_P1_252706_11789	NW_004517744.1	Scaffold2921	11789	CC	AA	1940528685
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SNP_P1_252714_2507	NW_004517745.1	Scaffold2922	2507	AA	GG	1940528702
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SNP_P1_252716_5335	NW_004517745.1	Scaffold2922	5335	CC	GG	1940528706
SNP_P1_252717_5554	NW_004517745.1	Scaffold2922	5554	GG	AA	1940528708
SNP_P1_252718_5780	NW_004517745.1	Scaffold2922	5780	TT	CC	1940528710
SNP_P1_252719_5820	NW_004517745.1	Scaffold2922	5820	TT	GG	1940528712
SNP_P1_252720_5851	NW_004517745.1	Scaffold2922	5851	TT	CC	1940528715

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252723_6003	NW_004517745.1	Scaffold2922	6003	AA	TT	1940528721
SNP_P1_252724_6486	NW_004517745.1	Scaffold2922	6486	GG	AA	1940528723
SNP_P1_252725_6585	NW_004517745.1	Scaffold2922	6585	AA	TT	1940528725
SNP_P1_252726_6656	NW_004517745.1	Scaffold2922	6656	GG	AA	1940528727
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SNP_P1_252728_6993	NW_004517745.1	Scaffold2922	6993	CC	TT	1940528731
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SNP_P1_252732_7852	NW_004517745.1	Scaffold2922	7852	GG	AA	1940528738
SNP_P1_252733_7919	NW_004517745.1	Scaffold2922	7919	GG	AA	1940528740
SNP_P1_252734_8048	NW_004517745.1	Scaffold2922	8048	CC	TT	1940528742
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SNP_P1_252737_8218	NW_004517745.1	Scaffold2922	8218	GG	AA	1940528748
SNP_P1_252738_8407	NW_004517745.1	Scaffold2922	8407	AA	CC	1940528750
SNP_P1_252739_8419	NW_004517745.1	Scaffold2922	8419	CC	TT	1940528752
SNP_P1_252740_8492	NW_004517745.1	Scaffold2922	8492	CC	AA	1940528755
SNP_P1_252741_8526	NW_004517745.1	Scaffold2922	8526	CC	AA	1940528757
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SNP_P1_252753_143	NW_004517746.1	Scaffold2924	143	CC	AA	1940528782
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SNP_P1_252755_168	NW_004517746.1	Scaffold2924	168	AA	CC	1940528786
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SNP_P1_252760_12042	NW_004517746.1	Scaffold2924	12042	TT	CC	1940528797
SNP_P1_252761_12273	NW_004517746.1	Scaffold2924	12273	CC	TT	1940528799
SNP_P1_252762_12279	NW_004517746.1	Scaffold2924	12279	TT	GG	1940528801
SNP_P1_252763_15946	NW_004517746.1	Scaffold2924	15946	GG	AA	1940528803

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252765_16592	NW_004517746.1	Scaffold2924	16592	AA	TT	1940528807
SNP_P1_252766_16616	NW_004517746.1	Scaffold2924	16616	TT	CC	1940528809
SNP_P1_252767_20436	NW_004517746.1	Scaffold2924	20436	CC	TT	1940528811
SNP_P1_252768_20766	NW_004517746.1	Scaffold2924	20766	TT	AA	1940528813
SNP_P1_252769_20786	NW_004517746.1	Scaffold2924	20786	TT	GG	1940528816
SNP_P1_252770_20798	NW_004517746.1	Scaffold2924	20798	GG	AA	1940528818
SNP_P1_252771_21717	NW_004517746.1	Scaffold2924	21717	CC	TT	1940528820
SNP_P1_252772_24070	NW_004517746.1	Scaffold2924	24070	AA	CC	1940528822
SNP_P1_252773_24952	NW_004517746.1	Scaffold2924	24952	CC	TT	1940528824
SNP_P1_252774_25336	NW_004517746.1	Scaffold2924	25336	GG	AA	1940528826
SNP_P1_252775_26642	NW_004517746.1	Scaffold2924	26642	AA	TT	1940528828
SNP_P1_252776_26759	NW_004517746.1	Scaffold2924	26759	TT	AA	1940528830
SNP_P1_252777_26780	NW_004517746.1	Scaffold2924	26780	AA	GG	1940528832
SNP_P1_252778_26789	NW_004517746.1	Scaffold2924	26789	CC	TT	1940528834
SNP_P1_252780_27004	NW_004517746.1	Scaffold2924	27004	CC	TT	1940528837
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SNP_P1_252782_27355	NW_004517746.1	Scaffold2924	27355	AA	CC	1940528841
SNP_P1_252783_27364	NW_004517746.1	Scaffold2924	27364	TT	CC	1940528843
SNP_P1_252784_790	NW_004517748.1	Scaffold2927	790	TT	AA	1940528845
SNP_P1_252785_1853	NW_004517749.1	Scaffold2928	1853	AA	TT	1940528847
SNP_P1_252786_1871	NW_004517749.1	Scaffold2928	1871	CC	AA	1940528849
SNP_P1_252787_1958	NW_004517749.1	Scaffold2928	1958	AA	CC	1940528851
SNP_P1_252788_2070	NW_004517749.1	Scaffold2928	2070	AA	CC	1940528853
SNP_P1_252789_2071	NW_004517749.1	Scaffold2928	2071	CC	TT	1940528856
SNP_P1_252790_2086	NW_004517749.1	Scaffold2928	2086	CC	AA	1940528858
SNP_P1_252791_2314	NW_004517749.1	Scaffold2928	2314	CC	TT	1940528860
SNP_P1_252792_2408	NW_004517749.1	Scaffold2928	2408	CC	AA	1940528862
SNP_P1_252793_2607	NW_004517749.1	Scaffold2928	2607	GG	CC	1940528864
SNP_P1_252794_2672	NW_004517749.1	Scaffold2928	2672	TT	GG	1940528866
SNP_P1_252795_7084	NW_004517749.1	Scaffold2928	7084	CC	TT	1940528868
SNP_P1_252796_7090	NW_004517749.1	Scaffold2928	7090	TT	CC	1940528870
SNP_P1_252797_7123	NW_004517749.1	Scaffold2928	7123	TT	AA	1940528872
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SNP_P1_252799_7132	NW_004517749.1	Scaffold2928	7132	GG	AA	1940528877
SNP_P1_252800_7164	NW_004517749.1	Scaffold2928	7164	TT	AA	1940528879
SNP_P1_252801_7183	NW_004517749.1	Scaffold2928	7183	GG	AA	1940528881
SNP_P1_252802_7189	NW_004517749.1	Scaffold2928	7189	GG	AA	1940528883
SNP_P1_252803_7201	NW_004517749.1	Scaffold2928	7201	CC	TT	1940528885
SNP_P1_252804_7329	NW_004517749.1	Scaffold2928	7329	AA	GG	1940528887
SNP_P1_252805_7799	NW_004517749.1	Scaffold2928	7799	CC	AA	1940528889
SNP_P1_252806_8143	NW_004517749.1	Scaffold2928	8143	GG	TT	1940528891

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252808_9539	NW_004517749.1	Scaffold2928	9539	TT	CC	1940528896
SNP_P1_252809_9594	NW_004517749.1	Scaffold2928	9594	AA	TT	1940528898
SNP_P1_252810_10290	NW_004517749.1	Scaffold2928	10290	CC	AA	1940528900
SNP_P1_252811_10476	NW_004517749.1	Scaffold2928	10476	TT	GG	1940528902
SNP_P1_252812_10500	NW_004517749.1	Scaffold2928	10500	CC	TT	1940528904
SNP_P1_252814_12378	NW_004517749.1	Scaffold2928	12378	AA	CC	1940528906
SNP_P1_252815_12996	NW_004517749.1	Scaffold2928	12996	GG	CC	1940528908
SNP_P1_252816_13023	NW_004517749.1	Scaffold2928	13023	TT	GG	1940528910
SNP_P1_252817_13328	NW_004517749.1	Scaffold2928	13328	CC	AA	1940528912
SNP_P1_252818_13339	NW_004517749.1	Scaffold2928	13339	TT	CC	1940528914
SNP_P1_252819_16246	NW_004517749.1	Scaffold2928	16246	TT	CC	1940528917
SNP_P1_252820_19018	NW_004517749.1	Scaffold2928	19018	CC	GG	1940528919
SNP_P1_252822_19289	NW_004517749.1	Scaffold2928	19289	GG	CC	1940528921
SNP_P1_252823_20529	NW_004517749.1	Scaffold2928	20529	TT	AA	1940528923
SNP_P1_252825_22961	NW_004517749.1	Scaffold2928	22961	CC	TT	1940528925
SNP_P1_252826_22984	NW_004517749.1	Scaffold2928	22984	AA	GG	1940528927
SNP_P1_252827_23024	NW_004517749.1	Scaffold2928	23024	GG	AA	1940528929
SNP_P1_252828_23054	NW_004517749.1	Scaffold2928	23054	AA	TT	1940528931
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SNP_P1_252830_23156	NW_004517749.1	Scaffold2928	23156	AA	TT	1940528936
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SNP_P1_252833_23349	NW_004517749.1	Scaffold2928	23349	AA	CC	1940528942
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SNP_P1_252835_23510	NW_004517749.1	Scaffold2928	23510	GG	TT	1940528946
SNP_P1_252836_23520	NW_004517749.1	Scaffold2928	23520	TT	AA	1940528948
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SNP_P1_252838_23661	NW_004517749.1	Scaffold2928	23661	GG	AA	1940528952
SNP_P1_252840_23739	NW_004517749.1	Scaffold2928	23739	TT	CC	1940528954
SNP_P1_252841_23745	NW_004517749.1	Scaffold2928	23745	TT	CC	1940528957
SNP_P1_252842_23809	NW_004517749.1	Scaffold2928	23809	GG	TT	1940528959
SNP_P1_252843_23816	NW_004517749.1	Scaffold2928	23816	TT	CC	1940528961
SNP_P1_252844_23839	NW_004517749.1	Scaffold2928	23839	GG	CC	1940528963
SNP_P1_252845_23850	NW_004517749.1	Scaffold2928	23850	GG	CC	1940528965
SNP_P1_252846_23854	NW_004517749.1	Scaffold2928	23854	TT	CC	1940528967
SNP_P1_252847_23880	NW_004517749.1	Scaffold2928	23880	GG	AA	1940528969
SNP_P1_252848_23900	NW_004517749.1	Scaffold2928	23900	TT	CC	1940528971
SNP_P1_252849_23946	NW_004517749.1	Scaffold2928	23946	AA	TT	1940528973
SNP_P1_252850_24034	NW_004517749.1	Scaffold2928	24034	TT	AA	1940528976
SNP_P1_252851_24299	NW_004517749.1	Scaffold2928	24299	GG	TT	1940528978
SNP_P1_252852_24323	NW_004517749.1	Scaffold2928	24323	TT	CC	1940528980

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252854_24487	NW_004517749.1	Scaffold2928	24487	AA	GG	1940528984
SNP_P1_252855_24615	NW_004517749.1	Scaffold2928	24615	TT	AA	1940528986
SNP_P1_252856_24661	NW_004517749.1	Scaffold2928	24661	GG	AA	1940528988
SNP_P1_252857_24696	NW_004517749.1	Scaffold2928	24696	GG	TT	1940528990
SNP_P1_252858_24762	NW_004517749.1	Scaffold2928	24762	GG	TT	1940528992
SNP_P1_252859_24783	NW_004517749.1	Scaffold2928	24783	GG	TT	1940528995
SNP_P1_252860_24829	NW_004517749.1	Scaffold2928	24829	CC	TT	1940528997
SNP_P1_252861_24830	NW_004517749.1	Scaffold2928	24830	GG	AA	1940528999
SNP_P1_252862_24912	NW_004517749.1	Scaffold2928	24912	AA	GG	1940529001
SNP_P1_252863_24987	NW_004517749.1	Scaffold2928	24987	AA	TT	1940529003
SNP_P1_252864_25005	NW_004517749.1	Scaffold2928	25005	TT	AA	1940529005
SNP_P1_252865_25018	NW_004517749.1	Scaffold2928	25018	CC	TT	1940529007
SNP_P1_252866_25023	NW_004517749.1	Scaffold2928	25023	CC	TT	1940529009
SNP_P1_252867_25042	NW_004517749.1	Scaffold2928	25042	AA	CC	1940529011
SNP_P1_252868_25075	NW_004517749.1	Scaffold2928	25075	CC	TT	1940529013
SNP_P1_252869_25372	NW_004517749.1	Scaffold2928	25372	CC	AA	1940529016
SNP_P1_252870_25490	NW_004517749.1	Scaffold2928	25490	TT	GG	1940529018
SNP_P1_252871_25520	NW_004517749.1	Scaffold2928	25520	GG	CC	1940529020
SNP_P1_252872_25522	NW_004517749.1	Scaffold2928	25522	GG	AA	1940529022
SNP_P1_252873_25574	NW_004517749.1	Scaffold2928	25574	GG	CC	1940529024
SNP_P1_252874_25597	NW_004517749.1	Scaffold2928	25597	CC	GG	1940529026
SNP_P1_252875_25613	NW_004517749.1	Scaffold2928	25613	GG	CC	1940529028
SNP_P1_252876_25622	NW_004517749.1	Scaffold2928	25622	GG	CC	1940529030
SNP_P1_252877_25844	NW_004517749.1	Scaffold2928	25844	CC	TT	1940529032
SNP_P1_252878_30936	NW_004517749.1	Scaffold2928	30936	CC	TT	1940529035
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SNP_P1_252882_34636	NW_004517749.1	Scaffold2928	34636	AA	CC	1940529043
SNP_P1_252883_34974	NW_004517749.1	Scaffold2928	34974	CC	TT	1940529045
SNP_P1_252884_35179	NW_004517749.1	Scaffold2928	35179	AA	TT	1940529047
SNP_P1_252885_35223	NW_004517749.1	Scaffold2928	35223	TT	CC	1940529049
SNP_P1_252886_35666	NW_004517749.1	Scaffold2928	35666	AA	GG	1940529051
SNP_P1_252887_36436	NW_004517749.1	Scaffold2928	36436	TT	CC	1940529054
SNP_P1_252888_36931	NW_004517749.1	Scaffold2928	36931	AA	CC	1940529056
SNP_P1_252889_37206	NW_004517749.1	Scaffold2928	37206	CC	TT	1940529058
SNP_P1_252890_37511	NW_004517749.1	Scaffold2928	37511	CC	TT	1940529060
SNP_P1_252891_38660	NW_004517749.1	Scaffold2928	38660	GG	AA	1940529062
SNP_P1_252892_38891	NW_004517749.1	Scaffold2928	38891	CC	TT	1940529064
SNP_P1_252893_38919	NW_004517749.1	Scaffold2928	38919	AA	GG	1940529066
SNP_P1_252894_39035	NW_004517749.1	Scaffold2928	39035	AA	TT	1940529068

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252897_42649	NW_004517749.1	Scaffold2928	42649	TT	GG	1940529073
SNP_P1_252898_43148	NW_004517749.1	Scaffold2928	43148	GG	CC	1940529075
SNP_P1_252899_43472	NW_004517749.1	Scaffold2928	43472	AA	TT	1940529077
SNP_P1_252900_43818	NW_004517749.1	Scaffold2928	43818	TT	CC	1940529079
SNP_P1_252901_43833	NW_004517749.1	Scaffold2928	43833	GG	TT	1940529081
SNP_P1_252902_43884	NW_004517749.1	Scaffold2928	43884	AA	GG	1940529083
SNP_P1_252903_43952	NW_004517749.1	Scaffold2928	43952	AA	CC	1940529085
SNP_P1_252904_43982	NW_004517749.1	Scaffold2928	43982	TT	GG	1940529087
SNP_P1_252905_44186	NW_004517749.1	Scaffold2928	44186	CC	TT	1940529089
SNP_P1_252906_44257	NW_004517749.1	Scaffold2928	44257	TT	CC	1940529091
SNP_P1_252908_44571	NW_004517749.1	Scaffold2928	44571	GG	AA	1940529094
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SNP_P1_252910_44595	NW_004517749.1	Scaffold2928	44595	AA	GG	1940529098
SNP_P1_252911_44685	NW_004517749.1	Scaffold2928	44685	CC	TT	1940529100
SNP_P1_252912_44704	NW_004517749.1	Scaffold2928	44704	TT	AA	1940529102
SNP_P1_252913_44705	NW_004517749.1	Scaffold2928	44705	GG	TT	1940529104
SNP_P1_252914_44762	NW_004517749.1	Scaffold2928	44762	TT	CC	1940529106
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SNP_P1_252919_1869	NW_004517752.1	Scaffold2932	1869	GG	TT	1940529117
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SNP_P1_252924_2926	NW_004517752.1	Scaffold2932	2926	GG	AA	1940529125
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SNP_P1_252935_3619	NW_004517752.1	Scaffold2932	3619	AA	TT	1940529148
SNP_P1_252936_3770	NW_004517752.1	Scaffold2932	3770	CC	AA	1940529150
SNP_P1_252937_3860	NW_004517752.1	Scaffold2932	3860	TT	CC	1940529153
SNP_P1_252938_3870	NW_004517752.1	Scaffold2932	3870	CC	TT	1940529155
SNP_P1_252939_4128	NW_004517752.1	Scaffold2932	4128	AA	TT	1940529157

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252942_4736	NW_004517752.1	Scaffold2932	4736	AA	GG	1940529163
SNP_P1_252943_4780	NW_004517752.1	Scaffold2932	4780	TT	AA	1940529165
SNP_P1_252944_4931	NW_004517752.1	Scaffold2932	4931	TT	AA	1940529167
SNP_P1_252945_4983	NW_004517752.1	Scaffold2932	4983	AA	GG	1940529169
SNP_P1_252946_5060	NW_004517752.1	Scaffold2932	5060	TT	AA	1940529171
SNP_P1_252947_5093	NW_004517752.1	Scaffold2932	5093	AA	TT	1940529174
SNP_P1_252948_5387	NW_004517752.1	Scaffold2932	5387	GG	TT	1940529176
SNP_P1_252949_6371	NW_004517752.1	Scaffold2932	6371	AA	TT	1940529178
SNP_P1_252950_6407	NW_004517752.1	Scaffold2932	6407	CC	AA	1940529180
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SNP_P1_252958_10717	NW_004517752.1	Scaffold2932	10717	AA	TT	1940529197
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SNP_P1_252969_16745	NW_004517752.1	Scaffold2932	16745	GG	AA	1940529220
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SNP_P1_252973_19932	NW_004517752.1	Scaffold2932	19932	AA	CC	1940529228
SNP_P1_252974_20317	NW_004517752.1	Scaffold2932	20317	TT	GG	1940529230
SNP_P1_252975_23096	NW_004517752.1	Scaffold2932	23096	AA	TT	1940529232
SNP_P1_252976_23195	NW_004517752.1	Scaffold2932	23195	TT	CC	1940529235
SNP_P1_252977_24995	NW_004517752.1	Scaffold2932	24995	GG	AA	1940529237
SNP_P1_252978_25106	NW_004517752.1	Scaffold2932	25106	CC	AA	1940529239
SNP_P1_252979_25226	NW_004517752.1	Scaffold2932	25226	AA	GG	1940529241
SNP_P1_252980_25365	NW_004517752.1	Scaffold2932	25365	CC	GG	1940529243
SNP_P1_252981_25438	NW_004517752.1	Scaffold2932	25438	TT	CC	1940529245

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_252983_26155	NW_004517752.1	Scaffold2932	26155	GG	AA	1940529249
SNP_P1_252984_26561	NW_004517752.1	Scaffold2932	26561	TT	CC	1940529251
SNP_P1_252985_27204	NW_004517752.1	Scaffold2932	27204	CC	AA	1940529254
SNP_P1_252986_64	NW_004517753.1	Scaffold2933	64	TT	AA	1940529256
SNP_P1_252987_69	NW_004517753.1	Scaffold2933	69	GG	AA	1940529258
SNP_P1_252988_94	NW_004517753.1	Scaffold2933	94	TT	CC	1940529260
SNP_P1_252989_136	NW_004517753.1	Scaffold2933	136	AA	GG	1940529262
SNP_P1_252990_1143	NW_004517753.1	Scaffold2933	1143	TT	GG	1940529264
SNP_P1_252991_1533	NW_004517753.1	Scaffold2933	1533	CC	GG	1940529266
SNP_P1_252992_1535	NW_004517753.1	Scaffold2933	1535	AA	TT	1940529268
SNP_P1_252993_1479	NW_004517754.1	Scaffold2934	1479	TT	GG	1940529270
SNP_P1_252994_1488	NW_004517754.1	Scaffold2934	1488	CC	AA	1940529272
SNP_P1_252995_1499	NW_004517754.1	Scaffold2934	1499	AA	GG	1940529275
SNP_P1_252996_1699	NW_004517754.1	Scaffold2934	1699	CC	GG	1940529277
SNP_P1_252998_1744	NW_004517754.1	Scaffold2934	1744	AA	CC	1940529279
SNP_P1_252999_339	NW_004517755.1	Scaffold2935	339	AA	CC	1940529281
SNP_P1_253001_75	NW_004517757.1	Scaffold2937	75	AA	GG	1940529283
SNP_P1_253002_64	NW_004517760.1	Scaffold2940	64	GG	TT	1940529285
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SNP_P1_253005_378	NW_004517760.1	Scaffold2940	378	CC	TT	1940529291
SNP_P1_253006_710	NW_004517760.1	Scaffold2940	710	TT	CC	1940529293
SNP_P1_253007_890	NW_004517760.1	Scaffold2940	890	AA	CC	1940529295
SNP_P1_253008_909	NW_004517760.1	Scaffold2940	909	GG	AA	1940529297
SNP_P1_253009_976	NW_004517760.1	Scaffold2940	976	CC	TT	1940529299
SNP_P1_253010_989	NW_004517760.1	Scaffold2940	989	GG	CC	1940529302
SNP_P1_253011_1031	NW_004517760.1	Scaffold2940	1031	GG	AA	1940529304
SNP_P1_253012_1039	NW_004517760.1	Scaffold2940	1039	AA	GG	1940529306
SNP_P1_253013_1055	NW_004517760.1	Scaffold2940	1055	TT	AA	1940529308
SNP_P1_253014_1089	NW_004517760.1	Scaffold2940	1089	CC	GG	1940529310
SNP_P1_253015_1096	NW_004517760.1	Scaffold2940	1096	CC	AA	1940529312
SNP_P1_253016_1100	NW_004517760.1	Scaffold2940	1100	AA	GG	1940529314
SNP_P1_253017_1101	NW_004517760.1	Scaffold2940	1101	TT	CC	1940529316
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SNP_P1_253019_1148	NW_004517760.1	Scaffold2940	1148	AA	TT	1940529321
SNP_P1_253020_1177	NW_004517760.1	Scaffold2940	1177	TT	AA	1940529323
SNP_P1_253021_1179	NW_004517760.1	Scaffold2940	1179	GG	CC	1940529325
SNP_P1_253023_1337	NW_004517760.1	Scaffold2940	1337	AA	GG	1940529327
SNP_P1_253024_1363	NW_004517760.1	Scaffold2940	1363	TT	GG	1940529329
SNP_P1_253025_1394	NW_004517760.1	Scaffold2940	1394	CC	TT	1940529331
SNP_P1_253026_1413	NW_004517760.1	Scaffold2940	1413	GG	CC	1940529333

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253028_5560	NW_004517760.1	Scaffold2940	5560	CC	TT	1940529337
SNP_P1_253029_7740	NW_004517760.1	Scaffold2940	7740	TT	AA	1940529339
SNP_P1_253030_7777	NW_004517760.1	Scaffold2940	7777	GG	AA	1940529342
SNP_P1_253031_7820	NW_004517760.1	Scaffold2940	7820	CC	TT	1940529344
SNP_P1_253032_8000	NW_004517760.1	Scaffold2940	8000	TT	CC	1940529346
SNP_P1_253033_24584	NW_004517760.1	Scaffold2940	24584	GG	TT	1940529348
SNP_P1_253034_25223	NW_004517760.1	Scaffold2940	25223	AA	GG	1940529350
SNP_P1_253035_25323	NW_004517760.1	Scaffold2940	25323	GG	TT	1940529352
SNP_P1_253036_25438	NW_004517760.1	Scaffold2940	25438	TT	AA	1940529354
SNP_P1_253037_25453	NW_004517760.1	Scaffold2940	25453	TT	CC	1940529356
SNP_P1_253038_25499	NW_004517760.1	Scaffold2940	25499	TT	GG	1940529358
SNP_P1_253039_25863	NW_004517760.1	Scaffold2940	25863	CC	AA	1940529361
SNP_P1_253040_6326	NW_004517763.1	Scaffold2946	6326	CC	AA	1940529363
SNP_P1_253041_7864	NW_004517763.1	Scaffold2946	7864	GG	CC	1940529365
SNP_P1_253042_8202	NW_004517763.1	Scaffold2946	8202	GG	AA	1940529367
SNP_P1_253043_8679	NW_004517763.1	Scaffold2946	8679	AA	GG	1940529369
SNP_P1_253044_22271	NW_004517763.1	Scaffold2946	22271	GG	CC	1940529371
SNP_P1_253045_22486	NW_004517763.1	Scaffold2946	22486	CC	TT	1940529373
SNP_P1_253046_25613	NW_004517763.1	Scaffold2946	25613	AA	GG	1940529375
SNP_P1_253047_31270	NW_004517763.1	Scaffold2946	31270	TT	CC	1940529377
SNP_P1_253048_340	NW_004517764.1	Scaffold2947	340	AA	TT	1940529379
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SNP_P1_253050_542	NW_004517764.1	Scaffold2947	542	TT	CC	1940529384
SNP_P1_253051_488	NW_004517765.1	Scaffold2950	488	AA	GG	1940529386
SNP_P1_253052_491	NW_004517765.1	Scaffold2950	491	AA	CC	1940529388
SNP_P1_253053_507	NW_004517765.1	Scaffold2950	507	TT	CC	1940529390
SNP_P1_253055_583	NW_004517765.1	Scaffold2950	583	AA	GG	1940529392
SNP_P1_253056_615	NW_004517765.1	Scaffold2950	615	CC	TT	1940529394
SNP_P1_253057_634	NW_004517765.1	Scaffold2950	634	CC	TT	1940529396
SNP_P1_253058_636	NW_004517765.1	Scaffold2950	636	TT	CC	1940529398
SNP_P1_253060_1000	NW_004517765.1	Scaffold2950	1000	AA	TT	1940529400
SNP_P1_253061_1266	NW_004517765.1	Scaffold2950	1266	GG	AA	1940529403
SNP_P1_253063_1469	NW_004517765.1	Scaffold2950	1469	CC	TT	1940529405
SNP_P1_253064_4281	NW_004517765.1	Scaffold2950	4281	CC	TT	1940529407
SNP_P1_253065_6464	NW_004517765.1	Scaffold2950	6464	TT	CC	1940529409
SNP_P1_253066_6471	NW_004517765.1	Scaffold2950	6471	CC	TT	1940529411
SNP_P1_253067_6797	NW_004517765.1	Scaffold2950	6797	AA	TT	1940529413
SNP_P1_253070_6930	NW_004517765.1	Scaffold2950	6930	TT	AA	1940529415
SNP_P1_253071_7738	NW_004517765.1	Scaffold2950	7738	CC	TT	1940529417
SNP_P1_253073_7793	NW_004517765.1	Scaffold2950	7793	CC	TT	1940529419
SNP_P1_253074_8111	NW_004517765.1	Scaffold2950	8111	TT	CC	1940529422

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253077_8404	NW_004517765.1	Scaffold2950	8404	TT	CC	1940529426
SNP_P1_253078_8516	NW_004517765.1	Scaffold2950	8516	CC	GG	1940529428
SNP_P1_253079_8524	NW_004517765.1	Scaffold2950	8524	CC	GG	1940529430
SNP_P1_253080_8534	NW_004517765.1	Scaffold2950	8534	GG	AA	1940529432
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SNP_P1_253083_10103	NW_004517765.1	Scaffold2950	10103	GG	AA	1940529438
SNP_P1_253085_10218	NW_004517765.1	Scaffold2950	10218	GG	TT	1940529441
SNP_P1_253086_10318	NW_004517765.1	Scaffold2950	10318	GG	CC	1940529443
SNP_P1_253087_10370	NW_004517765.1	Scaffold2950	10370	CC	GG	1940529445
SNP_P1_253088_10559	NW_004517765.1	Scaffold2950	10559	AA	GG	1940529447
SNP_P1_253090_10710	NW_004517765.1	Scaffold2950	10710	TT	GG	1940529449
SNP_P1_253091_10713	NW_004517765.1	Scaffold2950	10713	CC	TT	1940529451
SNP_P1_253092_10717	NW_004517765.1	Scaffold2950	10717	AA	CC	1940529453
SNP_P1_253093_10798	NW_004517765.1	Scaffold2950	10798	CC	AA	1940529455
SNP_P1_253094_10957	NW_004517765.1	Scaffold2950	10957	TT	CC	1940529457
SNP_P1_253095_11035	NW_004517765.1	Scaffold2950	11035	GG	TT	1940529459
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SNP_P1_253097_11353	NW_004517765.1	Scaffold2950	11353	GG	AA	1940529464
SNP_P1_253098_11372	NW_004517765.1	Scaffold2950	11372	CC	TT	1940529466
SNP_P1_253099_11415	NW_004517765.1	Scaffold2950	11415	AA	TT	1940529468
SNP_P1_253100_11610	NW_004517765.1	Scaffold2950	11610	AA	GG	1940529470
SNP_P1_253101_11663	NW_004517765.1	Scaffold2950	11663	GG	AA	1940529472
SNP_P1_253102_11675	NW_004517765.1	Scaffold2950	11675	CC	TT	1940529474
SNP_P1_253103_11906	NW_004517765.1	Scaffold2950	11906	AA	TT	1940529476
SNP_P1_253104_12126	NW_004517765.1	Scaffold2950	12126	AA	GG	1940529478
SNP_P1_253105_12292	NW_004517765.1	Scaffold2950	12292	CC	AA	1940529480
SNP_P1_253106_63	NW_004517766.1	Scaffold2951	63	AA	GG	1940529483
SNP_P1_253107_66	NW_004517766.1	Scaffold2951	66	GG	AA	1940529485
SNP_P1_253108_854	NW_004517767.1	Scaffold2954	854	TT	AA	1940529487
SNP_P1_253109_4818	NW_004517767.1	Scaffold2954	4818	TT	GG	1940529489
SNP_P1_253110_12465	NW_004517767.1	Scaffold2954	12465	AA	GG	1940529491
SNP_P1_253111_12478	NW_004517767.1	Scaffold2954	12478	AA	GG	1940529493
SNP_P1_253112_12645	NW_004517767.1	Scaffold2954	12645	AA	TT	1940529495
SNP_P1_253113_12841	NW_004517767.1	Scaffold2954	12841	CC	TT	1940529497
SNP_P1_253114_12853	NW_004517767.1	Scaffold2954	12853	CC	TT	1940529499
SNP_P1_253115_902	NW_004517768.1	Scaffold2955	902	GG	AA	1940529501
SNP_P1_253116_5767	NW_004517768.1	Scaffold2955	5767	TT	CC	1940529504
SNP_P1_253117_5831	NW_004517768.1	Scaffold2955	5831	TT	CC	1940529506
SNP_P1_253118_5901	NW_004517768.1	Scaffold2955	5901	GG	AA	1940529508
SNP_P1_253119_6064	NW_004517768.1	Scaffold2955	6064	TT	CC	1940529510

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253122_7421	NW_004517768.1	Scaffold2955	7421	CC	TT	1940529514
SNP_P1_253123_8000	NW_004517768.1	Scaffold2955	8000	TT	CC	1940529516
SNP_P1_253124_8049	NW_004517768.1	Scaffold2955	8049	CC	TT	1940529518
SNP_P1_253125_8055	NW_004517768.1	Scaffold2955	8055	AA	GG	1940529520
SNP_P1_253126_8068	NW_004517768.1	Scaffold2955	8068	GG	TT	1940529522
SNP_P1_253127_8104	NW_004517768.1	Scaffold2955	8104	CC	TT	1940529525
SNP_P1_253128_9104	NW_004517768.1	Scaffold2955	9104	CC	AA	1940529527
SNP_P1_253129_9114	NW_004517768.1	Scaffold2955	9114	AA	CC	1940529529
SNP_P1_253130_9298	NW_004517768.1	Scaffold2955	9298	AA	GG	1940529531
SNP_P1_253131_9449	NW_004517768.1	Scaffold2955	9449	CC	GG	1940529533
SNP_P1_253132_9491	NW_004517768.1	Scaffold2955	9491	TT	CC	1940529535
SNP_P1_253133_9511	NW_004517768.1	Scaffold2955	9511	AA	GG	1940529537
SNP_P1_253134_9512	NW_004517768.1	Scaffold2955	9512	AA	TT	1940529539
SNP_P1_253135_9554	NW_004517768.1	Scaffold2955	9554	AA	GG	1940529541
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SNP_P1_253137_9613	NW_004517768.1	Scaffold2955	9613	AA	GG	1940529546
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SNP_P1_253142_10096	NW_004517768.1	Scaffold2955	10096	TT	CC	1940529552
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SNP_P1_253160_19401	NW_004517768.1	Scaffold2955	19401	GG	AA	1940529583
SNP_P1_253162_20283	NW_004517768.1	Scaffold2955	20283	TT	AA	1940529586
SNP_P1_253165_20539	NW_004517768.1	Scaffold2955	20539	TT	AA	1940529588
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SNP_P1_253167_20582	NW_004517768.1	Scaffold2955	20582	GG	AA	1940529592
SNP_P1_253168_20583	NW_004517768.1	Scaffold2955	20583	TT	CC	1940529594
SNP_P1_253169_20589	NW_004517768.1	Scaffold2955	20589	GG	AA	1940529596
SNP_P1_253170_20592	NW_004517768.1	Scaffold2955	20592	GG	AA	1940529598

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253173_21126	NW_004517768.1	Scaffold2955	21126	CC	TT	1940529605
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SNP_P1_253175_21161	NW_004517768.1	Scaffold2955	21161	TT	AA	1940529609
SNP_P1_253176_21727	NW_004517768.1	Scaffold2955	21727	GG	TT	1940529611
SNP_P1_253177_22130	NW_004517768.1	Scaffold2955	22130	TT	AA	1940529613
SNP_P1_253179_22478	NW_004517768.1	Scaffold2955	22478	CC	TT	1940529615
SNP_P1_253180_22712	NW_004517768.1	Scaffold2955	22712	GG	CC	1940529617
SNP_P1_253181_23103	NW_004517768.1	Scaffold2955	23103	TT	AA	1940529619
SNP_P1_253182_23348	NW_004517768.1	Scaffold2955	23348	AA	GG	1940529621
SNP_P1_253183_23455	NW_004517768.1	Scaffold2955	23455	GG	AA	1940529624
SNP_P1_253185_26735	NW_004517768.1	Scaffold2955	26735	CC	TT	1940529626
SNP_P1_253187_28039	NW_004517768.1	Scaffold2955	28039	GG	AA	1940529628
SNP_P1_253188_28950	NW_004517768.1	Scaffold2955	28950	CC	AA	1940529630
SNP_P1_253189_29644	NW_004517768.1	Scaffold2955	29644	TT	CC	1940529632
SNP_P1_253190_29861	NW_004517768.1	Scaffold2955	29861	GG	TT	1940529634
SNP_P1_253191_31900	NW_004517768.1	Scaffold2955	31900	TT	CC	1940529636
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SNP_P1_253196_34882	NW_004517768.1	Scaffold2955	34882	GG	TT	1940529647
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SNP_P1_253198_35866	NW_004517768.1	Scaffold2955	35866	GG	CC	1940529651
SNP_P1_253199_35872	NW_004517768.1	Scaffold2955	35872	GG	CC	1940529653
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SNP_P1_253202_37288	NW_004517768.1	Scaffold2955	37288	GG	AA	1940529657
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SNP_P1_253208_40160	NW_004517768.1	Scaffold2955	40160	GG	AA	1940529670
SNP_P1_253209_41012	NW_004517768.1	Scaffold2955	41012	GG	AA	1940529672
SNP_P1_253210_41262	NW_004517768.1	Scaffold2955	41262	TT	CC	1940529674
SNP_P1_253211_41741	NW_004517768.1	Scaffold2955	41741	GG	TT	1940529676
SNP_P1_253212_41747	NW_004517768.1	Scaffold2955	41747	GG	AA	1940529678
SNP_P1_253213_41756	NW_004517768.1	Scaffold2955	41756	AA	GG	1940529680
SNP_P1_253214_42962	NW_004517768.1	Scaffold2955	42962	TT	CC	1940529682
SNP_P1_253215_43227	NW_004517768.1	Scaffold2955	43227	AA	GG	1940529684
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253219_43632	NW_004517768.1	Scaffold2955	43632	TT	GG	1940529693
SNP_P1_253220_43643	NW_004517768.1	Scaffold2955	43643	TT	AA	1940529695
SNP_P1_253221_43650	NW_004517768.1	Scaffold2955	43650	TT	AA	1940529697
SNP_P1_253223_851	NW_004517770.1	Scaffold2957	851	AA	CC	1940529699
SNP_P1_253224_919	NW_004517770.1	Scaffold2957	919	TT	CC	1940529701
SNP_P1_253225_1404	NW_004517770.1	Scaffold2957	1404	CC	GG	1940529703
SNP_P1_253226_1440	NW_004517770.1	Scaffold2957	1440	TT	CC	1940529705
SNP_P1_253227_2652	NW_004517770.1	Scaffold2957	2652	GG	TT	1940529708
SNP_P1_253228_2736	NW_004517770.1	Scaffold2957	2736	AA	GG	1940529710
SNP_P1_253229_9523	NW_004517770.1	Scaffold2957	9523	AA	TT	1940529712
SNP_P1_253230_9863	NW_004517770.1	Scaffold2957	9863	AA	GG	1940529714
SNP_P1_253231_9929	NW_004517770.1	Scaffold2957	9929	CC	TT	1940529716
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SNP_P1_253233_9956	NW_004517770.1	Scaffold2957	9956	AA	CC	1940529720
SNP_P1_253234_10043	NW_004517770.1	Scaffold2957	10043	TT	GG	1940529722
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SNP_P1_253243_13862	NW_004517772.1	Scaffold2959	13862	TT	CC	1940529739
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SNP_P1_253249_16382	NW_004517772.1	Scaffold2959	16382	TT	GG	1940529752
SNP_P1_253250_71	NW_004517773.1	Scaffold2960	71	TT	CC	1940529754
SNP_P1_253251_116	NW_004517773.1	Scaffold2960	116	AA	GG	1940529756
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SNP_P1_253257_213	NW_004517775.1	Scaffold2964	213	AA	TT	1940529768
SNP_P1_253258_239	NW_004517775.1	Scaffold2964	239	GG	CC	1940529771
SNP_P1_253259_311	NW_004517775.1	Scaffold2964	311	GG	AA	1940529773
SNP_P1_253260_503	NW_004517775.1	Scaffold2964	503	CC	AA	1940529775

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253262_1079	NW_004517778.1	Scaffold2967	1079	AA	GG	1940529779
SNP_P1_253263_1394	NW_004517778.1	Scaffold2967	1394	GG	TT	1940529781
SNP_P1_253264_8102	NW_004517779.1	Scaffold2968	8102	CC	GG	1940529783
SNP_P1_253265_22066	NW_004517779.1	Scaffold2968	22066	TT	AA	1940529785
SNP_P1_253266_22115	NW_004517779.1	Scaffold2968	22115	CC	TT	1940529787
SNP_P1_253267_5222	NW_004517780.1	Scaffold2969	5222	CC	TT	1940529789
SNP_P1_253268_6008	NW_004517780.1	Scaffold2969	6008	TT	CC	1940529792
SNP_P1_253270_23683	NW_004517780.1	Scaffold2969	23683	TT	CC	1940529794
SNP_P1_253271_23685	NW_004517780.1	Scaffold2969	23685	CC	TT	1940529796
SNP_P1_253272_23701	NW_004517780.1	Scaffold2969	23701	CC	GG	1940529798
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SNP_P1_253275_23747	NW_004517780.1	Scaffold2969	23747	TT	GG	1940529804
SNP_P1_253276_23752	NW_004517780.1	Scaffold2969	23752	CC	TT	1940529806
SNP_P1_253277_23753	NW_004517780.1	Scaffold2969	23753	CC	TT	1940529808
SNP_P1_253278_23756	NW_004517780.1	Scaffold2969	23756	TT	GG	1940529811
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SNP_P1_253285_24324	NW_004517780.1	Scaffold2969	24324	TT	CC	1940529825
SNP_P1_253286_25623	NW_004517780.1	Scaffold2969	25623	AA	CC	1940529827
SNP_P1_253287_25624	NW_004517780.1	Scaffold2969	25624	TT	CC	1940529829
SNP_P1_253288_25801	NW_004517780.1	Scaffold2969	25801	GG	AA	1940529832
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SNP_P1_253292_25860	NW_004517780.1	Scaffold2969	25860	GG	TT	1940529840
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SNP_P1_253294_34518	NW_004517780.1	Scaffold2969	34518	CC	TT	1940529844
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SNP_P1_253300_46661	NW_004517780.1	Scaffold2969	46661	AA	GG	1940529857
SNP_P1_253301_50489	NW_004517780.1	Scaffold2969	50489	TT	CC	1940529859
SNP_P1_253302_52000	NW_004517780.1	Scaffold2969	52000	GG	AA	1940529861
SNP_P1_253303_141	NW_004517782.1	Scaffold2974	141	TT	AA	1940529863

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253307_1475	NW_004517782.1	Scaffold2974	1475	CC	TT	1940529869
SNP_P1_253308_1862	NW_004517782.1	Scaffold2974	1862	GG	CC	1940529871
SNP_P1_253309_1874	NW_004517782.1	Scaffold2974	1874	AA	CC	1940529874
SNP_P1_253310_544	NW_004517785.1	Scaffold2979	544	GG	AA	1940529876
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SNP_P1_253313_7003	NW_004517787.1	Scaffold2981	7003	CC	AA	1940529882
SNP_P1_253314_8984	NW_004517787.1	Scaffold2981	8984	TT	CC	1940529884
SNP_P1_253315_9019	NW_004517787.1	Scaffold2981	9019	AA	CC	1940529886
SNP_P1_253316_9022	NW_004517787.1	Scaffold2981	9022	CC	AA	1940529888
SNP_P1_253317_9027	NW_004517787.1	Scaffold2981	9027	CC	AA	1940529890
SNP_P1_253318_11062	NW_004517787.1	Scaffold2981	11062	CC	TT	1940529892
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SNP_P1_253321_12508	NW_004517787.1	Scaffold2981	12508	AA	GG	1940529899
SNP_P1_253323_14155	NW_004517787.1	Scaffold2981	14155	GG	CC	1940529901
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SNP_P1_253347_33227	NW_004517787.1	Scaffold2981	33227	GG	AA	1940529952

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253350_33331	NW_004517787.1	Scaffold2981	33331	TT	GG	1940529958
SNP_P1_253351_33437	NW_004517787.1	Scaffold2981	33437	TT	GG	1940529960
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SNP_P1_253359_5897	NW_004517789.1	Scaffold2984	5897	AA	GG	1940529977
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253413_16363	NW_004517792.1	Scaffold2988	16363	CC	AA	1940530090
SNP_P1_253414_16864	NW_004517792.1	Scaffold2988	16864	AA	TT	1940530092
SNP_P1_253415_23155	NW_004517792.1	Scaffold2988	23155	AA	CC	1940530095
SNP_P1_253416_23322	NW_004517792.1	Scaffold2988	23322	TT	AA	1940530097
SNP_P1_253417_23340	NW_004517792.1	Scaffold2988	23340	CC	TT	1940530099
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SNP_P1_253428_32343	NW_004517792.1	Scaffold2988	32343	CC	TT	1940530122
SNP_P1_253429_33874	NW_004517792.1	Scaffold2988	33874	GG	CC	1940530124
SNP_P1_253430_37940	NW_004517792.1	Scaffold2988	37940	CC	GG	1940530126
SNP_P1_253431_37941	NW_004517792.1	Scaffold2988	37941	CC	AA	1940530128

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253433_39637	NW_004517792.1	Scaffold2988	39637	GG	AA	1940530132
SNP_P1_253434_39649	NW_004517792.1	Scaffold2988	39649	CC	GG	1940530134
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SNP_P1_253439_39674	NW_004517792.1	Scaffold2988	39674	AA	TT	1940530143
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SNP_P1_253441_58648	NW_004517792.1	Scaffold2988	58648	CC	TT	1940530147
SNP_P1_253442_58744	NW_004517792.1	Scaffold2988	58744	CC	AA	1940530149
SNP_P1_253443_59176	NW_004517792.1	Scaffold2988	59176	CC	TT	1940530151
SNP_P1_253444_59224	NW_004517792.1	Scaffold2988	59224	TT	AA	1940530153
SNP_P1_253445_9809	NW_004517793.1	Scaffold2989	9809	GG	AA	1940530155
SNP_P1_253446_14688	NW_004517793.1	Scaffold2989	14688	AA	GG	1940530158
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SNP_P1_253448_14748	NW_004517793.1	Scaffold2989	14748	GG	TT	1940530162
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SNP_P1_253450_14951	NW_004517793.1	Scaffold2989	14951	CC	TT	1940530166
SNP_P1_253451_15076	NW_004517793.1	Scaffold2989	15076	GG	TT	1940530168
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SNP_P1_253454_6304	NW_004517794.1	Scaffold2990	6304	GG	AA	1940530174
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SNP_P1_253456_6334	NW_004517794.1	Scaffold2990	6334	AA	CC	1940530179
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SNP_P1_253458_6505	NW_004517794.1	Scaffold2990	6505	AA	TT	1940530183
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SNP_P1_253461_6597	NW_004517794.1	Scaffold2990	6597	TT	GG	1940530189
SNP_P1_253462_6645	NW_004517794.1	Scaffold2990	6645	CC	AA	1940530191
SNP_P1_253463_6647	NW_004517794.1	Scaffold2990	6647	AA	GG	1940530193
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SNP_P1_253468_6719	NW_004517794.1	Scaffold2990	6719	GG	TT	1940530204
SNP_P1_253469_7828	NW_004517794.1	Scaffold2990	7828	GG	TT	1940530206
SNP_P1_253470_10243	NW_004517794.1	Scaffold2990	10243	CC	AA	1940530208
SNP_P1_253471_13692	NW_004517794.1	Scaffold2990	13692	CC	TT	1940530210
SNP_P1_253472_210	NW_004517797.1	Scaffold2994	210	CC	TT	1940530212
SNP_P1_253473_484	NW_004517797.1	Scaffold2994	484	AA	CC	1940530214
SNP_P1_253474_837	NW_004517797.1	Scaffold2994	837	GG	AA	1940530216

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253477_4378	NW_004517797.1	Scaffold2994	4378	TT	CC	1940530223
SNP_P1_253478_9868	NW_004517797.1	Scaffold2994	9868	CC	GG	1940530225
SNP_P1_253479_9874	NW_004517797.1	Scaffold2994	9874	CC	TT	1940530227
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SNP_P1_253482_10030	NW_004517797.1	Scaffold2994	10030	TT	AA	1940530233
SNP_P1_253483_10230	NW_004517797.1	Scaffold2994	10230	AA	GG	1940530235
SNP_P1_253484_10432	NW_004517797.1	Scaffold2994	10432	CC	GG	1940530237
SNP_P1_253485_4565	NW_004517798.1	Scaffold2996	4565	AA	GG	1940530240
SNP_P1_253486_4582	NW_004517798.1	Scaffold2996	4582	CC	TT	1940530242
SNP_P1_253487_4692	NW_004517798.1	Scaffold2996	4692	TT	CC	1940530244
SNP_P1_253488_4756	NW_004517798.1	Scaffold2996	4756	GG	TT	1940530246
SNP_P1_253489_16198	NW_004517798.1	Scaffold2996	16198	GG	TT	1940530248
SNP_P1_253490_16448	NW_004517798.1	Scaffold2996	16448	CC	GG	1940530250
SNP_P1_253491_17292	NW_004517798.1	Scaffold2996	17292	AA	CC	1940530252
SNP_P1_253492_17498	NW_004517798.1	Scaffold2996	17498	TT	CC	1940530254
SNP_P1_253493_3161	NW_004517799.1	Scaffold2997	3161	AA	GG	1940530256
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SNP_P1_253495_4683	NW_004517800.1	Scaffold2998	4683	GG	TT	1940530261
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SNP_P1_253500_5083	NW_004517800.1	Scaffold2998	5083	TT	GG	1940530271
SNP_P1_253501_5411	NW_004517800.1	Scaffold2998	5411	CC	TT	1940530273
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SNP_P1_253504_314	NW_004517802.1	Scaffold3002	314	AA	GG	1940530279
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SNP_P1_253513_2629	NW_004517802.1	Scaffold3002	2629	GG	AA	1940530298
SNP_P1_253514_2631	NW_004517802.1	Scaffold3002	2631	TT	CC	1940530300
SNP_P1_253515_2641	NW_004517802.1	Scaffold3002	2641	GG	AA	1940530303
SNP_P1_253516_2653	NW_004517802.1	Scaffold3002	2653	AA	GG	1940530305

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253519_478	NW_004517807.1	Scaffold3008	478	CC	TT	1940530311
SNP_P1_253520_545	NW_004517807.1	Scaffold3008	545	AA	GG	1940530313
SNP_P1_253521_318	NW_004517809.1	Scaffold3011	318	GG	AA	1940530315
SNP_P1_253523_363	NW_004517809.1	Scaffold3011	363	TT	CC	1940530317
SNP_P1_253524_429	NW_004517809.1	Scaffold3011	429	CC	TT	1940530319
SNP_P1_253525_436	NW_004517809.1	Scaffold3011	436	CC	TT	1940530321
SNP_P1_253526_632	NW_004517809.1	Scaffold3011	632	GG	AA	1940530324
SNP_P1_253527_9092	NW_004517813.1	Scaffold3015	9092	GG	AA	1940530326
SNP_P1_253528_18190	NW_004517813.1	Scaffold3015	18190	TT	CC	1940530328
SNP_P1_253529_18573	NW_004517813.1	Scaffold3015	18573	TT	CC	1940530330
SNP_P1_253530_21829	NW_004517813.1	Scaffold3015	21829	CC	AA	1940530332
SNP_P1_253531_22369	NW_004517813.1	Scaffold3015	22369	GG	AA	1940530334
SNP_P1_253532_34693	NW_004517813.1	Scaffold3015	34693	AA	CC	1940530336
SNP_P1_253533_34730	NW_004517813.1	Scaffold3015	34730	TT	AA	1940530338
SNP_P1_253534_55588	NW_004517813.1	Scaffold3015	55588	GG	TT	1940530340
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SNP_P1_253556_68471	NW_004517813.1	Scaffold3015	68471	CC	AA	1940530387
SNP_P1_253558_68531	NW_004517813.1	Scaffold3015	68531	CC	TT	1940530389
SNP_P1_253559_68549	NW_004517813.1	Scaffold3015	68549	TT	AA	1940530391
SNP_P1_253560_68555	NW_004517813.1	Scaffold3015	68555	GG	AA	1940530393

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253565_68642	NW_004517813.1	Scaffold3015	68642	CC	AA	1940530404
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SNP_P1_253573_69035	NW_004517813.1	Scaffold3015	69035	AA	TT	1940530418
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SNP_P1_253578_73150	NW_004517813.1	Scaffold3015	73150	AA	GG	1940530427
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SNP_P1_253604_74426	NW_004517813.1	Scaffold3015	74426	AA	GG	1940530471
SNP_P1_253605_74488	NW_004517813.1	Scaffold3015	74488	TT	CC	1940530473
SNP_P1_253606_76863	NW_004517813.1	Scaffold3015	76863	CC	TT	1940530475
SNP_P1_253607_77055	NW_004517813.1	Scaffold3015	77055	CC	TT	1940530477
SNP_P1_253608_80345	NW_004517813.1	Scaffold3015	80345	AA	GG	1940530479
SNP_P1_253609_80389	NW_004517813.1	Scaffold3015	80389	GG	AA	1940530481

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253616_80890	NW_004517813.1	Scaffold3015	80890	GG	AA	1940530496
SNP_P1_253617_80893	NW_004517813.1	Scaffold3015	80893	TT	CC	1940530498
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SNP_P1_253619_80984	NW_004517813.1	Scaffold3015	80984	GG	AA	1940530502
SNP_P1_253620_81230	NW_004517813.1	Scaffold3015	81230	TT	CC	1940530505
SNP_P1_253621_81554	NW_004517813.1	Scaffold3015	81554	GG	TT	1940530507
SNP_P1_253622_81559	NW_004517813.1	Scaffold3015	81559	AA	GG	1940530509
SNP_P1_253623_81620	NW_004517813.1	Scaffold3015	81620	TT	CC	1940530511
SNP_P1_253624_81648	NW_004517813.1	Scaffold3015	81648	TT	AA	1940530513
SNP_P1_253625_83512	NW_004517813.1	Scaffold3015	83512	CC	TT	1940530515
SNP_P1_253626_85166	NW_004517813.1	Scaffold3015	85166	CC	AA	1940530517
SNP_P1_253627_85448	NW_004517813.1	Scaffold3015	85448	CC	GG	1940530519
SNP_P1_253628_85468	NW_004517813.1	Scaffold3015	85468	TT	CC	1940530521
SNP_P1_253631_39404	NW_004517814.1	Scaffold3016	39404	TT	AA	1940530523
SNP_P1_253632_39556	NW_004517814.1	Scaffold3016	39556	CC	AA	1940530526
SNP_P1_253633_57133	NW_004517814.1	Scaffold3016	57133	CC	TT	1940530528
SNP_P1_253634_57140	NW_004517814.1	Scaffold3016	57140	CC	TT	1940530530
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SNP_P1_253636_57341	NW_004517814.1	Scaffold3016	57341	TT	CC	1940530534
SNP_P1_253638_79222	NW_004517814.1	Scaffold3016	79222	GG	AA	1940530536
SNP_P1_253639_79252	NW_004517814.1	Scaffold3016	79252	TT	CC	1940530538
SNP_P1_253640_79255	NW_004517814.1	Scaffold3016	79255	AA	GG	1940530540
SNP_P1_253641_79263	NW_004517814.1	Scaffold3016	79263	AA	CC	1940530542
SNP_P1_253644_120326	NW_004517814.1	Scaffold3016	120326	TT	CC	1940530544
SNP_P1_253645_120348	NW_004517814.1	Scaffold3016	120348	TT	CC	1940530546
SNP_P1_253646_893	NW_004517815.1	Scaffold3017	893	AA	TT	1940530548
SNP_P1_253647_1762	NW_004517816.1	Scaffold3018	1762	TT	CC	1940530550
SNP_P1_253649_3944	NW_004517816.1	Scaffold3018	3944	TT	CC	1940530552
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SNP_P1_253652_6344	NW_004517816.1	Scaffold3018	6344	AA	GG	1940530559
SNP_P1_253653_6372	NW_004517816.1	Scaffold3018	6372	CC	GG	1940530561
SNP_P1_253654_893	NW_004517817.1	Scaffold3019	893	TT	CC	1940530563
SNP_P1_253655_17705	NW_004517817.1	Scaffold3019	17705	CC	AA	1940530565
SNP_P1_253657_18139	NW_004517817.1	Scaffold3019	18139	AA	CC	1940530567
SNP_P1_253658_18321	NW_004517817.1	Scaffold3019	18321	CC	GG	1940530569

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253661_18668	NW_004517817.1	Scaffold3019	18668	CC	AA	1940530576
SNP_P1_253663_18808	NW_004517817.1	Scaffold3019	18808	GG	AA	1940530578
SNP_P1_253664_18892	NW_004517817.1	Scaffold3019	18892	GG	AA	1940530580
SNP_P1_253665_18937	NW_004517817.1	Scaffold3019	18937	AA	CC	1940530582
SNP_P1_253666_18957	NW_004517817.1	Scaffold3019	18957	GG	TT	1940530584
SNP_P1_253667_19620	NW_004517817.1	Scaffold3019	19620	GG	AA	1940530586
SNP_P1_253668_19966	NW_004517817.1	Scaffold3019	19966	AA	TT	1940530588
SNP_P1_253669_19975	NW_004517817.1	Scaffold3019	19975	AA	CC	1940530590
SNP_P1_253670_20115	NW_004517817.1	Scaffold3019	20115	CC	TT	1940530592
SNP_P1_253671_20131	NW_004517817.1	Scaffold3019	20131	CC	TT	1940530594
SNP_P1_253672_20303	NW_004517817.1	Scaffold3019	20303	CC	AA	1940530597
SNP_P1_253673_20406	NW_004517817.1	Scaffold3019	20406	CC	TT	1940530599
SNP_P1_253674_20408	NW_004517817.1	Scaffold3019	20408	GG	TT	1940530601
SNP_P1_253675_20499	NW_004517817.1	Scaffold3019	20499	TT	GG	1940530603
SNP_P1_253676_20510	NW_004517817.1	Scaffold3019	20510	AA	GG	1940530605
SNP_P1_253677_20607	NW_004517817.1	Scaffold3019	20607	GG	TT	1940530607
SNP_P1_253678_20611	NW_004517817.1	Scaffold3019	20611	AA	CC	1940530609
SNP_P1_253679_20792	NW_004517817.1	Scaffold3019	20792	TT	CC	1940530611
SNP_P1_253681_20918	NW_004517817.1	Scaffold3019	20918	CC	TT	1940530613
SNP_P1_253682_21235	NW_004517817.1	Scaffold3019	21235	GG	AA	1940530615
SNP_P1_253683_21243	NW_004517817.1	Scaffold3019	21243	TT	AA	1940530618
SNP_P1_253685_21329	NW_004517817.1	Scaffold3019	21329	AA	GG	1940530620
SNP_P1_253686_21343	NW_004517817.1	Scaffold3019	21343	TT	AA	1940530622
SNP_P1_253687_21346	NW_004517817.1	Scaffold3019	21346	CC	AA	1940530624
SNP_P1_253688_21395	NW_004517817.1	Scaffold3019	21395	AA	GG	1940530626
SNP_P1_253689_21432	NW_004517817.1	Scaffold3019	21432	CC	TT	1940530628
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SNP_P1_253691_21558	NW_004517817.1	Scaffold3019	21558	AA	TT	1940530632
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SNP_P1_253694_2700	NW_004517819.1	Scaffold3021	2700	GG	AA	1940530639
SNP_P1_253695_2899	NW_004517819.1	Scaffold3021	2899	TT	GG	1940530641
SNP_P1_253698_3362	NW_004517819.1	Scaffold3021	3362	CC	GG	1940530643
SNP_P1_253699_6767	NW_004517820.1	Scaffold3022	6767	TT	AA	1940530645
SNP_P1_253700_6784	NW_004517820.1	Scaffold3022	6784	CC	TT	1940530647
SNP_P1_253701_6806	NW_004517820.1	Scaffold3022	6806	GG	AA	1940530649
SNP_P1_253702_6877	NW_004517820.1	Scaffold3022	6877	AA	GG	1940530651
SNP_P1_253703_6904	NW_004517820.1	Scaffold3022	6904	GG	AA	1940530653
SNP_P1_253704_7075	NW_004517820.1	Scaffold3022	7075	AA	GG	1940530655
SNP_P1_253705_7088	NW_004517820.1	Scaffold3022	7088	GG	TT	1940530657

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253707_7431	NW_004517820.1	Scaffold3022	7431	TT	CC	1940530662
SNP_P1_253708_7438	NW_004517820.1	Scaffold3022	7438	TT	GG	1940530664
SNP_P1_253709_7459	NW_004517820.1	Scaffold3022	7459	GG	AA	1940530666
SNP_P1_253710_7489	NW_004517820.1	Scaffold3022	7489	GG	TT	1940530668
SNP_P1_253711_9756	NW_004517820.1	Scaffold3022	9756	AA	GG	1940530670
SNP_P1_253712_10589	NW_004517820.1	Scaffold3022	10589	AA	GG	1940530672
SNP_P1_253713_10623	NW_004517820.1	Scaffold3022	10623	GG	AA	1940530674
SNP_P1_253714_10638	NW_004517820.1	Scaffold3022	10638	TT	AA	1940530676
SNP_P1_253715_10640	NW_004517820.1	Scaffold3022	10640	GG	TT	1940530678
SNP_P1_253716_13823	NW_004517820.1	Scaffold3022	13823	AA	GG	1940530680
SNP_P1_253717_13830	NW_004517820.1	Scaffold3022	13830	CC	TT	1940530683
SNP_P1_253718_13831	NW_004517820.1	Scaffold3022	13831	AA	GG	1940530685
SNP_P1_253719_13832	NW_004517820.1	Scaffold3022	13832	CC	AA	1940530687
SNP_P1_253720_13835	NW_004517820.1	Scaffold3022	13835	CC	TT	1940530689
SNP_P1_253721_14171	NW_004517820.1	Scaffold3022	14171	CC	TT	1940530691
SNP_P1_253722_14210	NW_004517820.1	Scaffold3022	14210	AA	TT	1940530693
SNP_P1_253723_18174	NW_004517820.1	Scaffold3022	18174	CC	TT	1940530695
SNP_P1_253724_19867	NW_004517820.1	Scaffold3022	19867	TT	CC	1940530697
SNP_P1_253725_20201	NW_004517820.1	Scaffold3022	20201	TT	AA	1940530699
SNP_P1_253726_20899	NW_004517820.1	Scaffold3022	20899	AA	GG	1940530701
SNP_P1_253727_21324	NW_004517820.1	Scaffold3022	21324	TT	CC	1940530704
SNP_P1_253728_21463	NW_004517820.1	Scaffold3022	21463	CC	TT	1940530706
SNP_P1_253729_4022	NW_004517822.1	Scaffold3026	4022	CC	TT	1940530708
SNP_P1_253730_5101	NW_004517822.1	Scaffold3026	5101	GG	AA	1940530710
SNP_P1_253731_5478	NW_004517822.1	Scaffold3026	5478	TT	AA	1940530712
SNP_P1_253732_5566	NW_004517822.1	Scaffold3026	5566	GG	TT	1940530714
SNP_P1_253733_6970	NW_004517822.1	Scaffold3026	6970	TT	GG	1940530716
SNP_P1_253734_7004	NW_004517822.1	Scaffold3026	7004	GG	AA	1940530718
SNP_P1_253735_7010	NW_004517822.1	Scaffold3026	7010	TT	CC	1940530720
SNP_P1_253736_9047	NW_004517822.1	Scaffold3026	9047	TT	AA	1940530722
SNP_P1_253737_9199	NW_004517822.1	Scaffold3026	9199	AA	TT	1940530725
SNP_P1_253738_9326	NW_004517822.1	Scaffold3026	9326	GG	AA	1940530727
SNP_P1_253739_9351	NW_004517822.1	Scaffold3026	9351	AA	GG	1940530729
SNP_P1_253740_9362	NW_004517822.1	Scaffold3026	9362	GG	AA	1940530731
SNP_P1_253741_9422	NW_004517822.1	Scaffold3026	9422	AA	CC	1940530733
SNP_P1_253742_9541	NW_004517822.1	Scaffold3026	9541	CC	TT	1940530735
SNP_P1_253743_9583	NW_004517822.1	Scaffold3026	9583	GG	AA	1940530737
SNP_P1_253744_9591	NW_004517822.1	Scaffold3026	9591	AA	GG	1940530739
SNP_P1_253745_3364	NW_004517823.1	Scaffold3028	3364	TT	AA	1940530741
SNP_P1_253746_3405	NW_004517823.1	Scaffold3028	3405	TT	AA	1940530743
SNP_P1_253747_3469	NW_004517823.1	Scaffold3028	3469	TT	CC	1940530746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253752_64	NW_004517824.1	Scaffold3029	64	TT	AA	1940530752
SNP_P1_253754_131	NW_004517824.1	Scaffold3029	131	GG	AA	1940530754
SNP_P1_253755_363	NW_004517824.1	Scaffold3029	363	CC	GG	1940530756
SNP_P1_253757_461	NW_004517824.1	Scaffold3029	461	AA	GG	1940530758
SNP_P1_253759_582	NW_004517824.1	Scaffold3029	582	GG	CC	1940530760
SNP_P1_253760_585	NW_004517824.1	Scaffold3029	585	AA	TT	1940530762
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SNP_P1_253762_596	NW_004517824.1	Scaffold3029	596	TT	AA	1940530767
SNP_P1_253763_5059	NW_004517824.1	Scaffold3029	5059	TT	GG	1940530769
SNP_P1_253764_10466	NW_004517824.1	Scaffold3029	10466	CC	AA	1940530771
SNP_P1_253765_10691	NW_004517824.1	Scaffold3029	10691	GG	AA	1940530773
SNP_P1_253766_10706	NW_004517824.1	Scaffold3029	10706	TT	CC	1940530775
SNP_P1_253767_13747	NW_004517824.1	Scaffold3029	13747	TT	GG	1940530777
SNP_P1_253768_13856	NW_004517824.1	Scaffold3029	13856	CC	TT	1940530779
SNP_P1_253769_14640	NW_004517824.1	Scaffold3029	14640	CC	AA	1940530781
SNP_P1_253770_14670	NW_004517824.1	Scaffold3029	14670	CC	TT	1940530783
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SNP_P1_253774_14752	NW_004517824.1	Scaffold3029	14752	GG	CC	1940530792
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SNP_P1_253776_153	NW_004517825.1	Scaffold3030	153	CC	TT	1940530796
SNP_P1_253777_2880	NW_004517826.1	Scaffold3031	2880	CC	TT	1940530798
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SNP_P1_253787_12148	NW_004517827.1	Scaffold3032	12148	GG	AA	1940530817
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SNP_P1_253789_12381	NW_004517827.1	Scaffold3032	12381	CC	TT	1940530821
SNP_P1_253791_894	NW_004517828.1	Scaffold3033	894	CC	AA	1940530823
SNP_P1_253792_691	NW_004517829.1	Scaffold3036	691	TT	AA	1940530825
SNP_P1_253793_709	NW_004517829.1	Scaffold3036	709	GG	TT	1940530827
SNP_P1_253794_696	NW_004517830.1	Scaffold3037	696	CC	TT	1940530830
SNP_P1_253796_12362	NW_004517831.1	Scaffold3038	12362	GG	TT	1940530832
SNP_P1_253797_12398	NW_004517831.1	Scaffold3038	12398	TT	AA	1940530834

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253799_17746	NW_004517831.1	Scaffold3038	17746	AA	TT	1940530838
SNP_P1_253800_17759	NW_004517831.1	Scaffold3038	17759	AA	TT	1940530840
SNP_P1_253802_17936	NW_004517831.1	Scaffold3038	17936	GG	AA	1940530842
SNP_P1_253803_18900	NW_004517831.1	Scaffold3038	18900	TT	CC	1940530844
SNP_P1_253804_19085	NW_004517831.1	Scaffold3038	19085	CC	TT	1940530846
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SNP_P1_253806_19305	NW_004517831.1	Scaffold3038	19305	AA	CC	1940530851
SNP_P1_253807_19306	NW_004517831.1	Scaffold3038	19306	TT	CC	1940530853
SNP_P1_253808_19307	NW_004517831.1	Scaffold3038	19307	GG	TT	1940530855
SNP_P1_253809_19343	NW_004517831.1	Scaffold3038	19343	TT	AA	1940530857
SNP_P1_253810_21490	NW_004517831.1	Scaffold3038	21490	TT	CC	1940530859
SNP_P1_253811_21549	NW_004517831.1	Scaffold3038	21549	TT	GG	1940530861
SNP_P1_253812_21646	NW_004517831.1	Scaffold3038	21646	GG	CC	1940530863
SNP_P1_253813_23999	NW_004517831.1	Scaffold3038	23999	CC	TT	1940530865
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SNP_P1_253822_51714	NW_004517831.1	Scaffold3038	51714	TT	GG	1940530884
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SNP_P1_253825_14477	NW_004517836.1	Scaffold3046	14477	CC	GG	1940530888
SNP_P1_253826_14501	NW_004517836.1	Scaffold3046	14501	CC	AA	1940530891
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SNP_P1_253829_501	NW_004517839.1	Scaffold3049	501	AA	GG	1940530897
SNP_P1_253830_878	NW_004517839.1	Scaffold3049	878	GG	AA	1940530899
SNP_P1_253831_1345	NW_004517839.1	Scaffold3049	1345	TT	AA	1940530901
SNP_P1_253832_1575	NW_004517839.1	Scaffold3049	1575	CC	TT	1940530903
SNP_P1_253833_1585	NW_004517839.1	Scaffold3049	1585	GG	AA	1940530905
SNP_P1_253834_178	NW_004517840.1	Scaffold3050	178	CC	TT	1940530907
SNP_P1_253835_229	NW_004517840.1	Scaffold3050	229	AA	GG	1940530910
SNP_P1_253836_458	NW_004517840.1	Scaffold3050	458	TT	AA	1940530912
SNP_P1_253837_520	NW_004517840.1	Scaffold3050	520	TT	AA	1940530914
SNP_P1_253838_4729	NW_004517841.1	Scaffold3051	4729	TT	CC	1940530916
SNP_P1_253839_4771	NW_004517841.1	Scaffold3051	4771	GG	AA	1940530918
SNP_P1_253840_4814	NW_004517841.1	Scaffold3051	4814	AA	TT	1940530920
SNP_P1_253842_4874	NW_004517841.1	Scaffold3051	4874	GG	CC	1940530922

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253845_4976	NW_004517841.1	Scaffold3051	4976	GG	AA	1940530928
SNP_P1_253846_4994	NW_004517841.1	Scaffold3051	4994	AA	GG	1940530931
SNP_P1_253847_5093	NW_004517841.1	Scaffold3051	5093	CC	TT	1940530933
SNP_P1_253848_5209	NW_004517841.1	Scaffold3051	5209	GG	CC	1940530935
SNP_P1_253849_5236	NW_004517841.1	Scaffold3051	5236	CC	TT	1940530937
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SNP_P1_253851_5292	NW_004517841.1	Scaffold3051	5292	GG	AA	1940530941
SNP_P1_253852_5301	NW_004517841.1	Scaffold3051	5301	GG	AA	1940530943
SNP_P1_253853_5547	NW_004517841.1	Scaffold3051	5547	CC	TT	1940530945
SNP_P1_253854_5559	NW_004517841.1	Scaffold3051	5559	GG	TT	1940530947
SNP_P1_253855_5595	NW_004517841.1	Scaffold3051	5595	TT	GG	1940530950
SNP_P1_253856_5664	NW_004517841.1	Scaffold3051	5664	AA	CC	1940530952
SNP_P1_253857_5677	NW_004517841.1	Scaffold3051	5677	CC	GG	1940530954
SNP_P1_253858_8208	NW_004517841.1	Scaffold3051	8208	CC	TT	1940530956
SNP_P1_253859_8456	NW_004517841.1	Scaffold3051	8456	GG	CC	1940530958
SNP_P1_253860_16858	NW_004517841.1	Scaffold3051	16858	GG	CC	1940530960
SNP_P1_253861_16880	NW_004517841.1	Scaffold3051	16880	GG	CC	1940530962
SNP_P1_253862_17104	NW_004517841.1	Scaffold3051	17104	GG	TT	1940530964
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SNP_P1_253864_18443	NW_004517841.1	Scaffold3051	18443	TT	CC	1940530968
SNP_P1_253865_18526	NW_004517841.1	Scaffold3051	18526	TT	GG	1940530971
SNP_P1_253866_18573	NW_004517841.1	Scaffold3051	18573	TT	CC	1940530973
SNP_P1_253867_18644	NW_004517841.1	Scaffold3051	18644	CC	AA	1940530975
SNP_P1_253868_18835	NW_004517841.1	Scaffold3051	18835	GG	AA	1940530977
SNP_P1_253869_18862	NW_004517841.1	Scaffold3051	18862	GG	TT	1940530979
SNP_P1_253871_18963	NW_004517841.1	Scaffold3051	18963	TT	CC	1940530981
SNP_P1_253872_19009	NW_004517841.1	Scaffold3051	19009	GG	AA	1940530983
SNP_P1_253873_5022	NW_004517842.1	Scaffold3052	5022	AA	GG	1940530985
SNP_P1_253874_5846	NW_004517842.1	Scaffold3052	5846	CC	AA	1940530987
SNP_P1_253875_7262	NW_004517842.1	Scaffold3052	7262	AA	CC	1940530989
SNP_P1_253876_7521	NW_004517842.1	Scaffold3052	7521	CC	GG	1940530992
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SNP_P1_253878_7577	NW_004517842.1	Scaffold3052	7577	TT	CC	1940530996
SNP_P1_253879_9375	NW_004517842.1	Scaffold3052	9375	GG	AA	1940530998
SNP_P1_253880_13108	NW_004517842.1	Scaffold3052	13108	AA	TT	1940531000
SNP_P1_253882_2032	NW_004517844.1	Scaffold3057	2032	TT	AA	1940531002
SNP_P1_253883_6283	NW_004517845.1	Scaffold3058	6283	CC	TT	1940531004
SNP_P1_253884_7110	NW_004517845.1	Scaffold3058	7110	TT	CC	1940531006
SNP_P1_253885_27564	NW_004517845.1	Scaffold3058	27564	AA	GG	1940531008
SNP_P1_253886_27787	NW_004517845.1	Scaffold3058	27787	TT	CC	1940531010

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253889_27819	NW_004517845.1	Scaffold3058	27819	AA	GG	1940531017
SNP_P1_253890_27974	NW_004517845.1	Scaffold3058	27974	GG	AA	1940531019
SNP_P1_253891_28016	NW_004517845.1	Scaffold3058	28016	GG	AA	1940531021
SNP_P1_253892_28063	NW_004517845.1	Scaffold3058	28063	CC	GG	1940531023
SNP_P1_253893_28092	NW_004517845.1	Scaffold3058	28092	GG	TT	1940531025
SNP_P1_253894_28179	NW_004517845.1	Scaffold3058	28179	GG	AA	1940531027
SNP_P1_253895_1388	NW_004517846.1	Scaffold3059	1388	GG	AA	1940531029
SNP_P1_253896_1390	NW_004517846.1	Scaffold3059	1390	CC	TT	1940531031
SNP_P1_253897_1411	NW_004517846.1	Scaffold3059	1411	TT	CC	1940531034
SNP_P1_253898_2128	NW_004517846.1	Scaffold3059	2128	GG	AA	1940531036
SNP_P1_253899_2405	NW_004517846.1	Scaffold3059	2405	TT	AA	1940531038
SNP_P1_253900_3019	NW_004517846.1	Scaffold3059	3019	AA	GG	1940531040
SNP_P1_253901_3057	NW_004517846.1	Scaffold3059	3057	AA	GG	1940531042
SNP_P1_253902_3687	NW_004517846.1	Scaffold3059	3687	AA	GG	1940531044
SNP_P1_253903_4008	NW_004517846.1	Scaffold3059	4008	GG	TT	1940531046
SNP_P1_253904_4204	NW_004517846.1	Scaffold3059	4204	CC	TT	1940531048
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SNP_P1_253908_1572	NW_004517847.1	Scaffold3060	1572	TT	CC	1940531055
SNP_P1_253909_64	NW_004517848.1	Scaffold3061	64	AA	GG	1940531057
SNP_P1_253910_94	NW_004517848.1	Scaffold3061	94	TT	CC	1940531059
SNP_P1_253911_148	NW_004517848.1	Scaffold3061	148	TT	AA	1940531061
SNP_P1_253912_192	NW_004517848.1	Scaffold3061	192	AA	GG	1940531063
SNP_P1_253913_512	NW_004517848.1	Scaffold3061	512	CC	TT	1940531065
SNP_P1_253914_548	NW_004517848.1	Scaffold3061	548	TT	CC	1940531067
SNP_P1_253915_574	NW_004517848.1	Scaffold3061	574	AA	GG	1940531069
SNP_P1_253916_620	NW_004517848.1	Scaffold3061	620	GG	CC	1940531071
SNP_P1_253917_682	NW_004517848.1	Scaffold3061	682	AA	GG	1940531073
SNP_P1_253918_689	NW_004517848.1	Scaffold3061	689	TT	CC	1940531076
SNP_P1_253919_718	NW_004517848.1	Scaffold3061	718	CC	TT	1940531078
SNP_P1_253920_750	NW_004517848.1	Scaffold3061	750	CC	AA	1940531080
SNP_P1_253921_779	NW_004517848.1	Scaffold3061	779	AA	GG	1940531082
SNP_P1_253922_794	NW_004517848.1	Scaffold3061	794	TT	CC	1940531084
SNP_P1_253923_820	NW_004517848.1	Scaffold3061	820	AA	GG	1940531086
SNP_P1_253924_81	NW_004517850.1	Scaffold3064	81	GG	AA	1940531088
SNP_P1_253925_2182	NW_004517850.1	Scaffold3064	2182	CC	TT	1940531090
SNP_P1_253926_241	NW_004517851.1	Scaffold3067	241	CC	AA	1940531092
SNP_P1_253927_255	NW_004517851.1	Scaffold3067	255	TT	AA	1940531094
SNP_P1_253928_2028	NW_004517851.1	Scaffold3067	2028	AA	GG	1940531097
SNP_P1_253930_674	NW_004517856.1	Scaffold3074	674	GG	AA	1940531099

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253932_686	NW_004517856.1	Scaffold3074	686	TT	AA	1940531103
SNP_P1_253933_736	NW_004517857.1	Scaffold3075	736	TT	CC	1940531105
SNP_P1_253934_5424	NW_004517857.1	Scaffold3075	5424	CC	GG	1940531107
SNP_P1_253935_588	NW_004517858.1	Scaffold3076	588	GG	TT	1940531109
SNP_P1_253936_641	NW_004517858.1	Scaffold3076	641	CC	TT	1940531111
SNP_P1_253937_705	NW_004517858.1	Scaffold3076	705	AA	GG	1940531113
SNP_P1_253938_1655	NW_004517858.1	Scaffold3076	1655	CC	TT	1940531115
SNP_P1_253939_1950	NW_004517858.1	Scaffold3076	1950	CC	AA	1940531118
SNP_P1_253940_1988	NW_004517858.1	Scaffold3076	1988	TT	GG	1940531120
SNP_P1_253941_2013	NW_004517858.1	Scaffold3076	2013	AA	TT	1940531122
SNP_P1_253942_6820	NW_004517858.1	Scaffold3076	6820	GG	AA	1940531124
SNP_P1_253943_11178	NW_004517858.1	Scaffold3076	11178	CC	AA	1940531126
SNP_P1_253944_11232	NW_004517858.1	Scaffold3076	11232	CC	TT	1940531128
SNP_P1_253945_11233	NW_004517858.1	Scaffold3076	11233	CC	TT	1940531130
SNP_P1_253946_11522	NW_004517858.1	Scaffold3076	11522	GG	TT	1940531132
SNP_P1_253947_1816	NW_004517860.1	Scaffold3079	1816	AA	CC	1940531134
SNP_P1_253948_5703	NW_004517860.1	Scaffold3079	5703	TT	CC	1940531136
SNP_P1_253949_5774	NW_004517860.1	Scaffold3079	5774	AA	CC	1940531139
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SNP_P1_253954_6767	NW_004517860.1	Scaffold3079	6767	CC	GG	1940531147
SNP_P1_253955_6808	NW_004517860.1	Scaffold3079	6808	CC	TT	1940531149
SNP_P1_253956_2495	NW_004517862.1	Scaffold3082	2495	AA	GG	1940531151
SNP_P1_253957_2839	NW_004517862.1	Scaffold3082	2839	TT	AA	1940531153
SNP_P1_253958_7405	NW_004517862.1	Scaffold3082	7405	TT	CC	1940531155
SNP_P1_253959_7413	NW_004517862.1	Scaffold3082	7413	AA	CC	1940531157
SNP_P1_253960_7421	NW_004517862.1	Scaffold3082	7421	AA	TT	1940531159
SNP_P1_253961_7456	NW_004517862.1	Scaffold3082	7456	TT	AA	1940531162
SNP_P1_253962_7459	NW_004517862.1	Scaffold3082	7459	AA	GG	1940531164
SNP_P1_253963_7460	NW_004517862.1	Scaffold3082	7460	CC	TT	1940531166
SNP_P1_253964_7476	NW_004517862.1	Scaffold3082	7476	AA	CC	1940531168
SNP_P1_253965_7539	NW_004517862.1	Scaffold3082	7539	AA	TT	1940531170
SNP_P1_253966_7586	NW_004517862.1	Scaffold3082	7586	CC	AA	1940531172
SNP_P1_253967_7801	NW_004517862.1	Scaffold3082	7801	TT	CC	1940531174
SNP_P1_253969_2769	NW_004517865.1	Scaffold3086	2769	AA	CC	1940531176
SNP_P1_253970_301	NW_004517868.1	Scaffold3092	301	AA	TT	1940531178
SNP_P1_253971_360	NW_004517868.1	Scaffold3092	360	TT	AA	1940531180
SNP_P1_253972_361	NW_004517868.1	Scaffold3092	361	TT	AA	1940531183
SNP_P1_253974_1308	NW_004517868.1	Scaffold3092	1308	AA	GG	1940531185
SNP_P1_253975_1590	NW_004517868.1	Scaffold3092	1590	CC	TT	1940531187

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_253979_19792	NW_004517869.1	Scaffold3093	19792	AA	GG	1940531193
SNP_P1_253980_19883	NW_004517869.1	Scaffold3093	19883	CC	TT	1940531195
SNP_P1_253981_20124	NW_004517869.1	Scaffold3093	20124	GG	TT	1940531197
SNP_P1_253982_20130	NW_004517869.1	Scaffold3093	20130	GG	CC	1940531199
SNP_P1_253983_552	NW_004517870.1	Scaffold3094	552	CC	TT	1940531201
SNP_P1_253984_886	NW_004517870.1	Scaffold3094	886	AA	TT	1940531204
SNP_P1_253985_918	NW_004517870.1	Scaffold3094	918	AA	CC	1940531206
SNP_P1_253986_949	NW_004517870.1	Scaffold3094	949	CC	GG	1940531208
SNP_P1_253987_959	NW_004517870.1	Scaffold3094	959	CC	GG	1940531210
SNP_P1_253988_977	NW_004517870.1	Scaffold3094	977	TT	CC	1940531212
SNP_P1_253989_9894	NW_004517870.1	Scaffold3094	9894	AA	GG	1940531214
SNP_P1_253990_12110	NW_004517870.1	Scaffold3094	12110	CC	TT	1940531216
SNP_P1_253991_572	NW_004517871.1	Scaffold3095	572	CC	TT	1940531218
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SNP_P1_253993_684	NW_004517871.1	Scaffold3095	684	TT	GG	1940531222
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SNP_P1_253999_1111	NW_004517871.1	Scaffold3095	1111	GG	CC	1940531235
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SNP_P1_254012_14807	NW_004517871.1	Scaffold3095	14807	TT	CC	1940531262
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SNP_P1_254016_15091	NW_004517871.1	Scaffold3095	15091	AA	GG	1940531271
SNP_P1_254017_15174	NW_004517871.1	Scaffold3095	15174	TT	AA	1940531273
SNP_P1_254018_15253	NW_004517871.1	Scaffold3095	15253	GG	AA	1940531275

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254021_15386	NW_004517871.1	Scaffold3095	15386	CC	TT	1940531281
SNP_P1_254022_15403	NW_004517871.1	Scaffold3095	15403	GG	TT	1940531283
SNP_P1_254023_15752	NW_004517871.1	Scaffold3095	15752	GG	AA	1940531285
SNP_P1_254024_15776	NW_004517871.1	Scaffold3095	15776	TT	CC	1940531288
SNP_P1_254025_15800	NW_004517871.1	Scaffold3095	15800	TT	GG	1940531290
SNP_P1_254026_15929	NW_004517871.1	Scaffold3095	15929	GG	CC	1940531292
SNP_P1_254027_15946	NW_004517871.1	Scaffold3095	15946	CC	GG	1940531294
SNP_P1_254028_4843	NW_004517873.1	Scaffold3097	4843	CC	TT	1940531296
SNP_P1_254029_4926	NW_004517873.1	Scaffold3097	4926	CC	TT	1940531298
SNP_P1_254030_5006	NW_004517873.1	Scaffold3097	5006	CC	TT	1940531300
SNP_P1_254031_5061	NW_004517873.1	Scaffold3097	5061	CC	AA	1940531302
SNP_P1_254032_5086	NW_004517873.1	Scaffold3097	5086	GG	AA	1940531304
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SNP_P1_254045_7314	NW_004517873.1	Scaffold3097	7314	GG	AA	1940531332
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SNP_P1_254055_10435	NW_004517873.1	Scaffold3097	10435	CC	GG	1940531353
SNP_P1_254056_10441	NW_004517873.1	Scaffold3097	10441	CC	AA	1940531355
SNP_P1_254057_10610	NW_004517873.1	Scaffold3097	10610	TT	GG	1940531357
SNP_P1_254058_10680	NW_004517873.1	Scaffold3097	10680	GG	CC	1940531359
SNP_P1_254059_10687	NW_004517873.1	Scaffold3097	10687	AA	CC	1940531361
SNP_P1_254060_11037	NW_004517873.1	Scaffold3097	11037	GG	AA	1940531363

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254062_11455	NW_004517873.1	Scaffold3097	11455	TT	CC	1940531367
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SNP_P1_254064_1206	NW_004517876.1	Scaffold3100	1206	GG	CC	1940531372
SNP_P1_254065_1238	NW_004517876.1	Scaffold3100	1238	AA	TT	1940531374
SNP_P1_254067_130	NW_004517879.1	Scaffold3106	130	AA	GG	1940531376
SNP_P1_254068_472	NW_004517879.1	Scaffold3106	472	CC	TT	1940531378
SNP_P1_254069_526	NW_004517879.1	Scaffold3106	526	TT	CC	1940531380
SNP_P1_254070_535	NW_004517879.1	Scaffold3106	535	GG	AA	1940531382
SNP_P1_254071_538	NW_004517879.1	Scaffold3106	538	AA	CC	1940531384
SNP_P1_254072_540	NW_004517879.1	Scaffold3106	540	CC	TT	1940531386
SNP_P1_254073_630	NW_004517879.1	Scaffold3106	630	TT	AA	1940531388
SNP_P1_254074_698	NW_004517879.1	Scaffold3106	698	AA	CC	1940531390
SNP_P1_254075_705	NW_004517879.1	Scaffold3106	705	GG	AA	1940531393
SNP_P1_254076_722	NW_004517879.1	Scaffold3106	722	GG	CC	1940531395
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SNP_P1_254078_815	NW_004517879.1	Scaffold3106	815	AA	GG	1940531399
SNP_P1_254079_1197	NW_004517879.1	Scaffold3106	1197	GG	TT	1940531401
SNP_P1_254080_1245	NW_004517879.1	Scaffold3106	1245	CC	AA	1940531403
SNP_P1_254081_6149	NW_004517882.1	Scaffold3111	6149	TT	GG	1940531405
SNP_P1_254082_6181	NW_004517882.1	Scaffold3111	6181	TT	GG	1940531407
SNP_P1_254083_6185	NW_004517882.1	Scaffold3111	6185	GG	AA	1940531409
SNP_P1_254084_6231	NW_004517882.1	Scaffold3111	6231	AA	TT	1940531412
SNP_P1_254085_6296	NW_004517882.1	Scaffold3111	6296	GG	AA	1940531414
SNP_P1_254086_6343	NW_004517882.1	Scaffold3111	6343	CC	TT	1940531416
SNP_P1_254087_6433	NW_004517882.1	Scaffold3111	6433	AA	TT	1940531418
SNP_P1_254088_6455	NW_004517882.1	Scaffold3111	6455	GG	TT	1940531420
SNP_P1_254089_6636	NW_004517882.1	Scaffold3111	6636	GG	TT	1940531422
SNP_P1_254090_6739	NW_004517882.1	Scaffold3111	6739	AA	GG	1940531424
SNP_P1_254091_6741	NW_004517882.1	Scaffold3111	6741	CC	AA	1940531426
SNP_P1_254092_6742	NW_004517882.1	Scaffold3111	6742	TT	GG	1940531428
SNP_P1_254093_7818	NW_004517882.1	Scaffold3111	7818	AA	GG	1940531430
SNP_P1_254094_7883	NW_004517882.1	Scaffold3111	7883	TT	CC	1940531432
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SNP_P1_254096_8026	NW_004517882.1	Scaffold3111	8026	CC	AA	1940531437
SNP_P1_254097_8078	NW_004517882.1	Scaffold3111	8078	AA	GG	1940531439
SNP_P1_254098_8121	NW_004517882.1	Scaffold3111	8121	TT	CC	1940531441
SNP_P1_254099_8203	NW_004517882.1	Scaffold3111	8203	GG	AA	1940531443
SNP_P1_254100_2089	NW_004517884.1	Scaffold3115	2089	AA	GG	1940531445
SNP_P1_254102_27529	NW_004517884.1	Scaffold3115	27529	GG	CC	1940531447
SNP_P1_254103_27553	NW_004517884.1	Scaffold3115	27553	TT	AA	1940531449
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254106_27928	NW_004517884.1	Scaffold3115	27928	AA	GG	1940531456
SNP_P1_254107_28063	NW_004517884.1	Scaffold3115	28063	AA	GG	1940531458
SNP_P1_254108_28139	NW_004517884.1	Scaffold3115	28139	TT	GG	1940531460
SNP_P1_254109_28270	NW_004517884.1	Scaffold3115	28270	CC	GG	1940531462
SNP_P1_254111_47044	NW_004517884.1	Scaffold3115	47044	GG	AA	1940531464
SNP_P1_254112_47086	NW_004517884.1	Scaffold3115	47086	CC	AA	1940531466
SNP_P1_254113_47121	NW_004517884.1	Scaffold3115	47121	GG	AA	1940531468
SNP_P1_254114_47158	NW_004517884.1	Scaffold3115	47158	AA	TT	1940531470
SNP_P1_254115_48885	NW_004517884.1	Scaffold3115	48885	CC	AA	1940531472
SNP_P1_254116_48892	NW_004517884.1	Scaffold3115	48892	CC	TT	1940531474
SNP_P1_254117_49008	NW_004517884.1	Scaffold3115	49008	GG	AA	1940531477
SNP_P1_254119_52961	NW_004517884.1	Scaffold3115	52961	AA	GG	1940531479
SNP_P1_254120_53013	NW_004517884.1	Scaffold3115	53013	CC	AA	1940531481
SNP_P1_254121_53723	NW_004517884.1	Scaffold3115	53723	GG	AA	1940531483
SNP_P1_254122_55466	NW_004517884.1	Scaffold3115	55466	GG	AA	1940531485
SNP_P1_254125_61804	NW_004517884.1	Scaffold3115	61804	TT	AA	1940531487
SNP_P1_254126_61879	NW_004517884.1	Scaffold3115	61879	CC	GG	1940531489
SNP_P1_254127_62021	NW_004517884.1	Scaffold3115	62021	GG	AA	1940531491
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SNP_P1_254134_63828	NW_004517884.1	Scaffold3115	63828	CC	TT	1940531498
SNP_P1_254135_63876	NW_004517884.1	Scaffold3115	63876	CC	AA	1940531500
SNP_P1_254136_63939	NW_004517884.1	Scaffold3115	63939	TT	CC	1940531502
SNP_P1_254138_64037	NW_004517884.1	Scaffold3115	64037	GG	TT	1940531504
SNP_P1_254139_65738	NW_004517884.1	Scaffold3115	65738	GG	AA	1940531506
SNP_P1_254140_65900	NW_004517884.1	Scaffold3115	65900	GG	TT	1940531508
SNP_P1_254141_69359	NW_004517884.1	Scaffold3115	69359	TT	GG	1940531510
SNP_P1_254142_69384	NW_004517884.1	Scaffold3115	69384	AA	TT	1940531512
SNP_P1_254143_74382	NW_004517884.1	Scaffold3115	74382	TT	GG	1940531514
SNP_P1_254144_76930	NW_004517884.1	Scaffold3115	76930	AA	GG	1940531516
SNP_P1_254145_76940	NW_004517884.1	Scaffold3115	76940	GG	AA	1940531519
SNP_P1_254146_76995	NW_004517884.1	Scaffold3115	76995	GG	AA	1940531521
SNP_P1_254147_77015	NW_004517884.1	Scaffold3115	77015	TT	GG	1940531523
SNP_P1_254148_77055	NW_004517884.1	Scaffold3115	77055	AA	TT	1940531525
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SNP_P1_254150_77202	NW_004517884.1	Scaffold3115	77202	GG	AA	1940531529
SNP_P1_254151_77235	NW_004517884.1	Scaffold3115	77235	CC	TT	1940531531
SNP_P1_254152_78473	NW_004517884.1	Scaffold3115	78473	TT	GG	1940531533
SNP_P1_254153_78500	NW_004517884.1	Scaffold3115	78500	AA	GG	1940531535
SNP_P1_254154_78876	NW_004517884.1	Scaffold3115	78876	AA	TT	1940531538
SNP_P1_254155_83623	NW_004517884.1	Scaffold3115	83623	CC	TT	1940531540

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254158_100158	NW_004517884.1	Scaffold3115	100158	TT	CC	1940531544
SNP_P1_254159_100573	NW_004517884.1	Scaffold3115	100573	AA	GG	1940531546
SNP_P1_254160_23493	NW_004517885.1	Scaffold3116	23493	TT	GG	1940531548
SNP_P1_254161_40	NW_004517886.1	Scaffold3117	40	AA	CC	1940531550
SNP_P1_254163_61	NW_004517886.1	Scaffold3117	61	AA	TT	1940531552
SNP_P1_254164_64	NW_004517886.1	Scaffold3117	64	AA	TT	1940531554
SNP_P1_254165_66	NW_004517886.1	Scaffold3117	66	TT	GG	1940531556
SNP_P1_254167_91	NW_004517886.1	Scaffold3117	91	AA	CC	1940531559
SNP_P1_254170_1871	NW_004517887.1	Scaffold3118	1871	TT	GG	1940531561
SNP_P1_254171_2015	NW_004517887.1	Scaffold3118	2015	CC	AA	1940531563
SNP_P1_254172_3508	NW_004517887.1	Scaffold3118	3508	GG	TT	1940531565
SNP_P1_254173_3638	NW_004517887.1	Scaffold3118	3638	AA	TT	1940531567
SNP_P1_254174_3690	NW_004517887.1	Scaffold3118	3690	TT	CC	1940531569
SNP_P1_254175_3729	NW_004517887.1	Scaffold3118	3729	TT	CC	1940531571
SNP_P1_254177_6534	NW_004517887.1	Scaffold3118	6534	TT	AA	1940531573
SNP_P1_254178_6568	NW_004517887.1	Scaffold3118	6568	AA	CC	1940531575
SNP_P1_254179_6580	NW_004517887.1	Scaffold3118	6580	CC	GG	1940531578
SNP_P1_254180_6582	NW_004517887.1	Scaffold3118	6582	CC	AA	1940531580
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SNP_P1_254182_6824	NW_004517887.1	Scaffold3118	6824	AA	GG	1940531584
SNP_P1_254183_6888	NW_004517887.1	Scaffold3118	6888	AA	TT	1940531586
SNP_P1_254184_251	NW_004517890.1	Scaffold3121	251	AA	GG	1940531588
SNP_P1_254185_431	NW_004517890.1	Scaffold3121	431	TT	AA	1940531590
SNP_P1_254187_5502	NW_004517890.1	Scaffold3121	5502	CC	TT	1940531592
SNP_P1_254188_6261	NW_004517890.1	Scaffold3121	6261	TT	CC	1940531594
SNP_P1_254189_6263	NW_004517890.1	Scaffold3121	6263	AA	TT	1940531596
SNP_P1_254190_6398	NW_004517890.1	Scaffold3121	6398	AA	GG	1940531599
SNP_P1_254192_7895	NW_004517890.1	Scaffold3121	7895	AA	CC	1940531601
SNP_P1_254193_8063	NW_004517890.1	Scaffold3121	8063	TT	CC	1940531603
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SNP_P1_254195_8868	NW_004517890.1	Scaffold3121	8868	CC	GG	1940531607
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SNP_P1_254200_9080	NW_004517890.1	Scaffold3121	9080	AA	TT	1940531617
SNP_P1_254201_9084	NW_004517890.1	Scaffold3121	9084	GG	AA	1940531620
SNP_P1_254202_14062	NW_004517890.1	Scaffold3121	14062	CC	AA	1940531622
SNP_P1_254203_14063	NW_004517890.1	Scaffold3121	14063	TT	CC	1940531624
SNP_P1_254204_14064	NW_004517890.1	Scaffold3121	14064	TT	AA	1940531625
SNP_P1_254205_14294	NW_004517890.1	Scaffold3121	14294	AA	GG	1940531628

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254209_376	NW_004517892.1	Scaffold3124	376	AA	TT	1940531634
SNP_P1_254210_3745	NW_004517892.1	Scaffold3124	3745	GG	AA	1940531636
SNP_P1_254212_3900	NW_004517892.1	Scaffold3124	3900	TT	GG	1940531638
SNP_P1_254213_3919	NW_004517892.1	Scaffold3124	3919	CC	TT	1940531640
SNP_P1_254214_4001	NW_004517892.1	Scaffold3124	4001	GG	AA	1940531642
SNP_P1_254215_4020	NW_004517892.1	Scaffold3124	4020	TT	CC	1940531644
SNP_P1_254216_4040	NW_004517892.1	Scaffold3124	4040	CC	GG	1940531646
SNP_P1_254217_4047	NW_004517892.1	Scaffold3124	4047	AA	TT	1940531649
SNP_P1_254218_4058	NW_004517892.1	Scaffold3124	4058	GG	TT	1940531651
SNP_P1_254219_4186	NW_004517892.1	Scaffold3124	4186	TT	GG	1940531653
SNP_P1_254220_4222	NW_004517892.1	Scaffold3124	4222	TT	GG	1940531655
SNP_P1_254221_4254	NW_004517892.1	Scaffold3124	4254	TT	GG	1940531657
SNP_P1_254222_4309	NW_004517892.1	Scaffold3124	4309	GG	TT	1940531659
SNP_P1_254223_1674	NW_004517893.1	Scaffold3125	1674	GG	TT	1940531661
SNP_P1_254224_1759	NW_004517893.1	Scaffold3125	1759	AA	TT	1940531663
SNP_P1_254225_20279	NW_004517894.1	Scaffold3126	20279	GG	TT	1940531665
SNP_P1_254226_20311	NW_004517894.1	Scaffold3126	20311	AA	GG	1940531668
SNP_P1_254227_20327	NW_004517894.1	Scaffold3126	20327	CC	TT	1940531670
SNP_P1_254228_20355	NW_004517894.1	Scaffold3126	20355	AA	GG	1940531672
SNP_P1_254229_20360	NW_004517894.1	Scaffold3126	20360	CC	TT	1940531674
SNP_P1_254230_20369	NW_004517894.1	Scaffold3126	20369	CC	TT	1940531676
SNP_P1_254231_20390	NW_004517894.1	Scaffold3126	20390	CC	TT	1940531678
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SNP_P1_254234_20435	NW_004517894.1	Scaffold3126	20435	GG	AA	1940531684
SNP_P1_254235_20442	NW_004517894.1	Scaffold3126	20442	GG	CC	1940531687
SNP_P1_254236_20704	NW_004517894.1	Scaffold3126	20704	TT	CC	1940531689
SNP_P1_254237_64	NW_004517895.1	Scaffold3127	64	AA	GG	1940531691
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SNP_P1_254239_279	NW_004517895.1	Scaffold3127	279	GG	TT	1940531695
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SNP_P1_254247_2892	NW_004517895.1	Scaffold3127	2892	AA	CC	1940531712
SNP_P1_254248_3239	NW_004517895.1	Scaffold3127	3239	AA	GG	1940531714
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254253_3647	NW_004517895.1	Scaffold3127	3647	TT	GG	1940531724
SNP_P1_254254_3764	NW_004517895.1	Scaffold3127	3764	TT	GG	1940531727
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SNP_P1_254256_4088	NW_004517895.1	Scaffold3127	4088	AA	CC	1940531731
SNP_P1_254257_4140	NW_004517895.1	Scaffold3127	4140	AA	CC	1940531733
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SNP_P1_254262_8743	NW_004517895.1	Scaffold3127	8743	AA	TT	1940531741
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SNP_P1_254264_8765	NW_004517895.1	Scaffold3127	8765	AA	TT	1940531745
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SNP_P1_254293_12113	NW_004517895.1	Scaffold3127	12113	AA	TT	1940531802
SNP_P1_254294_12116	NW_004517895.1	Scaffold3127	12116	AA	CC	1940531804

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_254295_12129	NW_004517895.1	Scaffold3127	12129	TT	CC	1940531807
SNP_P1_254296_12130	NW_004517895.1	Scaffold3127	12130	GG	AA	1940531809
SNP_P1_254297_12131	NW_004517895.1	Scaffold3127	12131	AA	CC	1940531811
SNP_P1_254298_12134	NW_004517895.1	Scaffold3127	12134	TT	CC	1940531813
SNP_P1_254299_12161	NW_004517895.1	Scaffold3127	12161	AA	CC	1940531815
SNP_P1_254300_12170	NW_004517895.1	Scaffold3127	12170	TT	GG	1940531817
SNP_P1_254301_12264	NW_004517895.1	Scaffold3127	12264	CC	AA	1940531819
SNP_P1_254302_12265	NW_004517895.1	Scaffold3127	12265	TT	AA	1940531821
SNP_P1_254303_12743	NW_004517895.1	Scaffold3127	12743	AA	CC	1940531823
SNP_P1_254304_12803	NW_004517895.1	Scaffold3127	12803	TT	CC	1940531826
SNP_P1_254305_12869	NW_004517895.1	Scaffold3127	12869	TT	GG	1940531828
SNP_P1_254306_12895	NW_004517895.1	Scaffold3127	12895	AA	TT	1940531830
SNP_P1_254307_13086	NW_004517895.1	Scaffold3127	13086	AA	GG	1940531832
SNP_P1_254308_15289	NW_004517895.1	Scaffold3127	15289	TT	GG	1940531834
SNP_P1_254309_17738	NW_004517895.1	Scaffold3127	17738	CC	GG	1940531836
SNP_P1_254310_17795	NW_004517895.1	Scaffold3127	17795	GG	TT	1940531838
SNP_P1_254311_18479	NW_004517895.1	Scaffold3127	18479	CC	TT	1940531840
SNP_P1_254312_18691	NW_004517895.1	Scaffold3127	18691	TT	CC	1940531842
SNP_P1_254313_18788	NW_004517895.1	Scaffold3127	18788	AA	CC	1940531845
SNP_P1_254314_18969	NW_004517895.1	Scaffold3127	18969	AA	GG	1940531847
SNP_P1_254315_19120	NW_004517895.1	Scaffold3127	19120	CC	GG	1940531849
SNP_P1_254316_19239	NW_004517895.1	Scaffold3127	19239	TT	AA	1940531851
SNP_P1_254317_19245	NW_004517895.1	Scaffold3127	19245	AA	GG	1940531853
SNP_P1_254318_19472	NW_004517895.1	Scaffold3127	19472	CC	AA	1940531855
SNP_P1_254319_19651	NW_004517895.1	Scaffold3127	19651	TT	CC	1940531857
SNP_P1_254320_21026	NW_004517895.1	Scaffold3127	21026	GG	AA	1940531859
SNP_P1_254321_21052	NW_004517895.1	Scaffold3127	21052	AA	CC	1940531861
SNP_P1_254322_21700	NW_004517895.1	Scaffold3127	21700	GG	CC	1940531864
SNP_P1_254323_21835	NW_004517895.1	Scaffold3127	21835	GG	CC	1940531866
SNP_P1_254324_21867	NW_004517895.1	Scaffold3127	21867	AA	CC	1940531868
SNP_P1_254325_22037	NW_004517895.1	Scaffold3127	22037	CC	TT	1940531870
SNP_P1_254327_1342	NW_004517898.1	Scaffold3130	1342	GG	CC	1940531872
SNP_P1_254328_485	NW_004517899.1	Scaffold3131	485	AA	CC	1940531874
SNP_P1_254329_534	NW_004517899.1	Scaffold3131	534	GG	AA	1940531876
SNP_P1_254331_527	NW_004517902.1	Scaffold3134	527	CC	TT	1940531878
SNP_P1_254332_4429	NW_004517902.1	Scaffold3134	4429	CC	TT	1940531880
SNP_P1_254333_4455	NW_004517902.1	Scaffold3134	4455	AA	TT	1940531883
SNP_P1_254334_4461	NW_004517902.1	Scaffold3134	4461	AA	GG	1940531885
SNP_P1_254335_4515	NW_004517902.1	Scaffold3134	4515	CC	TT	1940531887
SNP_P1_254336_4585	NW_004517902.1	Scaffold3134	4585	AA	CC	1940531889
SNP_P1_254338_4805	NW_004517902.1	Scaffold3134	4805	AA	TT	1940531891
SNP_P1_254339_4821	NW_004517902.1	Scaffold3134	4821	AA	CC	1940531893

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254341_5522	NW_004517902.1	Scaffold3134	5522	TT	GG	1940531897
SNP_P1_254342_5543	NW_004517902.1	Scaffold3134	5543	TT	AA	1940531899
SNP_P1_254343_5544	NW_004517902.1	Scaffold3134	5544	TT	AA	1940531901
SNP_P1_254344_5552	NW_004517902.1	Scaffold3134	5552	AA	TT	1940531904
SNP_P1_254345_5591	NW_004517902.1	Scaffold3134	5591	CC	AA	1940531906
SNP_P1_254346_5687	NW_004517902.1	Scaffold3134	5687	AA	TT	1940531908
SNP_P1_254347_5790	NW_004517902.1	Scaffold3134	5790	TT	AA	1940531910
SNP_P1_254348_10893	NW_004517902.1	Scaffold3134	10893	TT	AA	1940531912
SNP_P1_254349_12117	NW_004517902.1	Scaffold3134	12117	AA	GG	1940531914
SNP_P1_254352_12518	NW_004517902.1	Scaffold3134	12518	CC	AA	1940531916
SNP_P1_254353_12544	NW_004517902.1	Scaffold3134	12544	AA	GG	1940531918
SNP_P1_254354_12559	NW_004517902.1	Scaffold3134	12559	TT	GG	1940531920
SNP_P1_254355_12567	NW_004517902.1	Scaffold3134	12567	TT	CC	1940531923
SNP_P1_254356_12682	NW_004517902.1	Scaffold3134	12682	TT	CC	1940531925
SNP_P1_254357_12742	NW_004517902.1	Scaffold3134	12742	AA	GG	1940531927
SNP_P1_254358_12939	NW_004517902.1	Scaffold3134	12939	AA	GG	1940531929
SNP_P1_254359_12955	NW_004517902.1	Scaffold3134	12955	GG	AA	1940531931
SNP_P1_254360_12977	NW_004517902.1	Scaffold3134	12977	CC	TT	1940531933
SNP_P1_254361_13004	NW_004517902.1	Scaffold3134	13004	AA	GG	1940531935
SNP_P1_254362_13012	NW_004517902.1	Scaffold3134	13012	TT	CC	1940531937
SNP_P1_254363_13047	NW_004517902.1	Scaffold3134	13047	GG	AA	1940531939
SNP_P1_254364_13263	NW_004517902.1	Scaffold3134	13263	AA	GG	1940531942
SNP_P1_254366_13535	NW_004517902.1	Scaffold3134	13535	CC	AA	1940531944
SNP_P1_254367_13544	NW_004517902.1	Scaffold3134	13544	AA	GG	1940531946
SNP_P1_254368_13549	NW_004517902.1	Scaffold3134	13549	TT	CC	1940531948
SNP_P1_254370_13683	NW_004517902.1	Scaffold3134	13683	AA	GG	1940531950
SNP_P1_254371_13688	NW_004517902.1	Scaffold3134	13688	TT	CC	1940531952
SNP_P1_254372_13697	NW_004517902.1	Scaffold3134	13697	AA	TT	1940531954
SNP_P1_254374_13925	NW_004517902.1	Scaffold3134	13925	AA	TT	1940531956
SNP_P1_254375_14024	NW_004517902.1	Scaffold3134	14024	AA	GG	1940531958
SNP_P1_254376_14042	NW_004517902.1	Scaffold3134	14042	AA	GG	1940531960
SNP_P1_254377_14295	NW_004517902.1	Scaffold3134	14295	AA	CC	1940531963
SNP_P1_254378_14470	NW_004517902.1	Scaffold3134	14470	GG	CC	1940531965
SNP_P1_254379_14681	NW_004517902.1	Scaffold3134	14681	GG	AA	1940531967
SNP_P1_254381_15510	NW_004517902.1	Scaffold3134	15510	TT	CC	1940531969
SNP_P1_254382_15554	NW_004517902.1	Scaffold3134	15554	TT	AA	1940531971
SNP_P1_254383_32618	NW_004517902.1	Scaffold3134	32618	CC	TT	1940531973
SNP_P1_254384_32637	NW_004517902.1	Scaffold3134	32637	CC	AA	1940531975
SNP_P1_254385_38712	NW_004517902.1	Scaffold3134	38712	TT	GG	1940531977
SNP_P1_254386_66975	NW_004517902.1	Scaffold3134	66975	AA	TT	1940531980
SNP_P1_254387_67007	NW_004517902.1	Scaffold3134	67007	TT	CC	1940531982

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254389_67021	NW_004517902.1	Scaffold3134	67021	AA	CC	1940531986
SNP_P1_254390_67024	NW_004517902.1	Scaffold3134	67024	AA	CC	1940531988
SNP_P1_254391_67090	NW_004517902.1	Scaffold3134	67090	TT	CC	1940531990
SNP_P1_254392_67103	NW_004517902.1	Scaffold3134	67103	TT	GG	1940531992
SNP_P1_254393_67216	NW_004517902.1	Scaffold3134	67216	TT	CC	1940531994
SNP_P1_254394_67270	NW_004517902.1	Scaffold3134	67270	CC	AA	1940531996
SNP_P1_254395_67316	NW_004517902.1	Scaffold3134	67316	CC	AA	1940531999
SNP_P1_254396_67387	NW_004517902.1	Scaffold3134	67387	AA	CC	1940532001
SNP_P1_254397_67399	NW_004517902.1	Scaffold3134	67399	CC	TT	1940532003
SNP_P1_254398_67402	NW_004517902.1	Scaffold3134	67402	AA	CC	1940532005
SNP_P1_254399_76204	NW_004517902.1	Scaffold3134	76204	CC	TT	1940532007
SNP_P1_254400_76268	NW_004517902.1	Scaffold3134	76268	GG	TT	1940532009
SNP_P1_254401_76292	NW_004517902.1	Scaffold3134	76292	AA	GG	1940532011
SNP_P1_254402_80617	NW_004517902.1	Scaffold3134	80617	AA	CC	1940532013
SNP_P1_254403_87030	NW_004517902.1	Scaffold3134	87030	GG	AA	1940532015
SNP_P1_254405_109454	NW_004517902.1	Scaffold3134	109454	AA	GG	1940532018
SNP_P1_254406_136433	NW_004517902.1	Scaffold3134	136433	CC	AA	1940532020
SNP_P1_254408_4351	NW_004517903.1	Scaffold3135	4351	AA	GG	1940532022
SNP_P1_254409_4815	NW_004517903.1	Scaffold3135	4815	GG	AA	1940532024
SNP_P1_254410_988	NW_004517904.1	Scaffold3136	988	GG	AA	1940532026
SNP_P1_254411_1025	NW_004517904.1	Scaffold3136	1025	AA	TT	1940532028
SNP_P1_254412_654	NW_004517906.1	Scaffold3138	654	TT	CC	1940532030
SNP_P1_254414_965	NW_004517907.1	Scaffold3139	965	TT	CC	1940532032
SNP_P1_254415_966	NW_004517907.1	Scaffold3139	966	GG	AA	1940532034
SNP_P1_254416_986	NW_004517907.1	Scaffold3139	986	TT	GG	1940532037
SNP_P1_254417_382	NW_004517909.1	Scaffold3141	382	GG	AA	1940532039
SNP_P1_254418_246	NW_004517911.1	Scaffold3144	246	TT	CC	1940532041
SNP_P1_254419_247	NW_004517911.1	Scaffold3144	247	TT	AA	1940532043
SNP_P1_254420_600	NW_004517911.1	Scaffold3144	600	TT	AA	1940532045
SNP_P1_254421_2514	NW_004517911.1	Scaffold3144	2514	GG	AA	1940532047
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SNP_P1_254423_2572	NW_004517911.1	Scaffold3144	2572	AA	TT	1940532051
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SNP_P1_254425_3733	NW_004517911.1	Scaffold3144	3733	TT	AA	1940532056
SNP_P1_254426_594	NW_004517913.1	Scaffold3147	594	GG	TT	1940532058
SNP_P1_254427_596	NW_004517913.1	Scaffold3147	596	TT	CC	1940532060
SNP_P1_254428_599	NW_004517913.1	Scaffold3147	599	GG	AA	1940532062
SNP_P1_254429_2077	NW_004517914.1	Scaffold3148	2077	GG	TT	1940532064
SNP_P1_254430_4475	NW_004517914.1	Scaffold3148	4475	CC	AA	1940532066
SNP_P1_254431_4540	NW_004517914.1	Scaffold3148	4540	GG	CC	1940532068
SNP_P1_254432_4561	NW_004517914.1	Scaffold3148	4561	AA	CC	1940532070

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254435_4572	NW_004517914.1	Scaffold3148	4572	GG	AA	1940532077
SNP_P1_254436_1799	NW_004517915.1	Scaffold3149	1799	CC	AA	1940532079
SNP_P1_254437_1809	NW_004517915.1	Scaffold3149	1809	AA	GG	1940532081
SNP_P1_254438_1866	NW_004517915.1	Scaffold3149	1866	AA	GG	1940532083
SNP_P1_254439_2489	NW_004517915.1	Scaffold3149	2489	AA	TT	1940532085
SNP_P1_254440_3055	NW_004517915.1	Scaffold3149	3055	AA	GG	1940532087
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SNP_P1_254443_3576	NW_004517915.1	Scaffold3149	3576	CC	AA	1940532093
SNP_P1_254444_3688	NW_004517915.1	Scaffold3149	3688	CC	TT	1940532096
SNP_P1_254445_3867	NW_004517915.1	Scaffold3149	3867	TT	AA	1940532098
SNP_P1_254446_3879	NW_004517915.1	Scaffold3149	3879	CC	TT	1940532100
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SNP_P1_254448_3994	NW_004517915.1	Scaffold3149	3994	TT	CC	1940532104
SNP_P1_254449_4145	NW_004517915.1	Scaffold3149	4145	CC	TT	1940532106
SNP_P1_254450_4800	NW_004517915.1	Scaffold3149	4800	TT	CC	1940532108
SNP_P1_254451_4807	NW_004517915.1	Scaffold3149	4807	CC	TT	1940532110
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SNP_P1_254465_5317	NW_004517915.1	Scaffold3149	5317	CC	TT	1940532140
SNP_P1_254466_5434	NW_004517915.1	Scaffold3149	5434	TT	GG	1940532142
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SNP_P1_254470_9130	NW_004517915.1	Scaffold3149	9130	AA	TT	1940532150
SNP_P1_254471_9184	NW_004517915.1	Scaffold3149	9184	TT	GG	1940532152
SNP_P1_254472_9251	NW_004517915.1	Scaffold3149	9251	CC	AA	1940532154
SNP_P1_254473_9283	NW_004517915.1	Scaffold3149	9283	GG	AA	1940532157
SNP_P1_254474_9450	NW_004517915.1	Scaffold3149	9450	CC	TT	1940532159

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254476_9513	NW_004517915.1	Scaffold3149	9513	AA	GG	1940532163
SNP_P1_254478_9700	NW_004517915.1	Scaffold3149	9700	AA	TT	1940532165
SNP_P1_254479_9736	NW_004517915.1	Scaffold3149	9736	GG	AA	1940532167
SNP_P1_254481_9787	NW_004517915.1	Scaffold3149	9787	CC	GG	1940532169
SNP_P1_254482_9850	NW_004517915.1	Scaffold3149	9850	TT	GG	1940532171
SNP_P1_254483_9870	NW_004517915.1	Scaffold3149	9870	AA	GG	1940532173
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SNP_P1_254485_9960	NW_004517915.1	Scaffold3149	9960	CC	TT	1940532178
SNP_P1_254486_10103	NW_004517915.1	Scaffold3149	10103	GG	TT	1940532180
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SNP_P1_254489_10369	NW_004517915.1	Scaffold3149	10369	AA	GG	1940532186
SNP_P1_254490_10525	NW_004517915.1	Scaffold3149	10525	GG	AA	1940532188
SNP_P1_254491_10527	NW_004517915.1	Scaffold3149	10527	TT	CC	1940532190
SNP_P1_254492_10544	NW_004517915.1	Scaffold3149	10544	TT	AA	1940532192
SNP_P1_254493_17015	NW_004517915.1	Scaffold3149	17015	GG	AA	1940532194
SNP_P1_254494_26600	NW_004517915.1	Scaffold3149	26600	CC	TT	1940532197
SNP_P1_254495_351	NW_004517917.1	Scaffold3155	351	AA	GG	1940532199
SNP_P1_254496_367	NW_004517917.1	Scaffold3155	367	GG	AA	1940532201
SNP_P1_254497_489	NW_004517917.1	Scaffold3155	489	TT	AA	1940532203
SNP_P1_254499_524	NW_004517917.1	Scaffold3155	524	AA	GG	1940532205
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SNP_P1_254504_5559	NW_004517917.1	Scaffold3155	5559	GG	CC	1940532216
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SNP_P1_254507_5609	NW_004517917.1	Scaffold3155	5609	CC	GG	1940532222
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SNP_P1_254509_5672	NW_004517917.1	Scaffold3155	5672	TT	GG	1940532226
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SNP_P1_254513_5773	NW_004517917.1	Scaffold3155	5773	AA	GG	1940532234
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SNP_P1_254517_1920	NW_004517918.1	Scaffold3156	1920	CC	GG	1940532239
SNP_P1_254518_2632	NW_004517919.1	Scaffold3157	2632	TT	CC	1940532241
SNP_P1_254519_2656	NW_004517919.1	Scaffold3157	2656	CC	AA	1940532243
SNP_P1_254520_1660	NW_004517920.1	Scaffold3159	1660	AA	TT	1940532245
SNP_P1_254521_1748	NW_004517920.1	Scaffold3159	1748	TT	CC	1940532247

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_254522_4011	NW_004517921.1	Scaffold3160	4011	AA	TT	1940532249
SNP_P1_254523_5815	NW_004517921.1	Scaffold3160	5815	CC	TT	1940532251
SNP_P1_254524_5878	NW_004517921.1	Scaffold3160	5878	TT	CC	1940532253
SNP_P1_254525_5898	NW_004517921.1	Scaffold3160	5898	CC	TT	1940532255
SNP_P1_254526_5938	NW_004517921.1	Scaffold3160	5938	GG	TT	1940532258
SNP_P1_254527_5971	NW_004517921.1	Scaffold3160	5971	GG	AA	1940532260
SNP_P1_254528_5978	NW_004517921.1	Scaffold3160	5978	AA	GG	1940532262
SNP_P1_254529_6023	NW_004517921.1	Scaffold3160	6023	GG	CC	1940532264
SNP_P1_254530_6139	NW_004517921.1	Scaffold3160	6139	CC	TT	1940532266
SNP_P1_254531_6153	NW_004517921.1	Scaffold3160	6153	CC	TT	1940532268
SNP_P1_254532_6187	NW_004517921.1	Scaffold3160	6187	CC	TT	1940532270
SNP_P1_254533_6229	NW_004517921.1	Scaffold3160	6229	AA	GG	1940532272
SNP_P1_254534_6271	NW_004517921.1	Scaffold3160	6271	AA	GG	1940532274
SNP_P1_254536_6700	NW_004517921.1	Scaffold3160	6700	AA	GG	1940532277
SNP_P1_254537_7730	NW_004517921.1	Scaffold3160	7730	GG	TT	1940532279
SNP_P1_254538_7869	NW_004517921.1	Scaffold3160	7869	CC	TT	1940532281
SNP_P1_254540_7913	NW_004517921.1	Scaffold3160	7913	TT	CC	1940532283
SNP_P1_254541_7914	NW_004517921.1	Scaffold3160	7914	GG	AA	1940532285
SNP_P1_254542_7946	NW_004517921.1	Scaffold3160	7946	GG	AA	1940532287
SNP_P1_254543_7965	NW_004517921.1	Scaffold3160	7965	TT	AA	1940532289
SNP_P1_254544_7996	NW_004517921.1	Scaffold3160	7996	AA	TT	1940532291
SNP_P1_254545_7997	NW_004517921.1	Scaffold3160	7997	AA	TT	1940532293
SNP_P1_254546_7999	NW_004517921.1	Scaffold3160	7999	TT	GG	1940532296
SNP_P1_254547_8075	NW_004517921.1	Scaffold3160	8075	AA	GG	1940532298
SNP_P1_254548_8342	NW_004517921.1	Scaffold3160	8342	TT	AA	1940532300
SNP_P1_254549_8396	NW_004517921.1	Scaffold3160	8396	AA	GG	1940532302
SNP_P1_254550_8607	NW_004517921.1	Scaffold3160	8607	AA	TT	1940532304
SNP_P1_254551_8763	NW_004517921.1	Scaffold3160	8763	CC	GG	1940532306
SNP_P1_254552_8841	NW_004517921.1	Scaffold3160	8841	CC	TT	1940532308
SNP_P1_254553_8852	NW_004517921.1	Scaffold3160	8852	CC	TT	1940532310
SNP_P1_254554_8896	NW_004517921.1	Scaffold3160	8896	GG	CC	1940532312
SNP_P1_254555_8965	NW_004517921.1	Scaffold3160	8965	GG	CC	1940532314
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SNP_P1_254557_9066	NW_004517921.1	Scaffold3160	9066	TT	GG	1940532319
SNP_P1_254558_9093	NW_004517921.1	Scaffold3160	9093	GG	AA	1940532321
SNP_P1_254559_9239	NW_004517921.1	Scaffold3160	9239	GG	AA	1940532323
SNP_P1_254560_9267	NW_004517921.1	Scaffold3160	9267	GG	AA	1940532325
SNP_P1_254561_9321	NW_004517921.1	Scaffold3160	9321	GG	CC	1940532327
SNP_P1_254562_9361	NW_004517921.1	Scaffold3160	9361	TT	GG	1940532329
SNP_P1_254563_9423	NW_004517921.1	Scaffold3160	9423	AA	CC	1940532331
SNP_P1_254564_9454	NW_004517921.1	Scaffold3160	9454	CC	AA	1940532333
SNP_P1_254565_9495	NW_004517921.1	Scaffold3160	9495	TT	CC	1940532336

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254567_9760	NW_004517921.1	Scaffold3160	9760	CC	TT	1940532340
SNP_P1_254568_9778	NW_004517921.1	Scaffold3160	9778	CC	TT	1940532342
SNP_P1_254569_9790	NW_004517921.1	Scaffold3160	9790	AA	GG	1940532344
SNP_P1_254571_9844	NW_004517921.1	Scaffold3160	9844	AA	GG	1940532346
SNP_P1_254572_9864	NW_004517921.1	Scaffold3160	9864	TT	AA	1940532348
SNP_P1_254573_9895	NW_004517921.1	Scaffold3160	9895	AA	GG	1940532350
SNP_P1_254574_9947	NW_004517921.1	Scaffold3160	9947	AA	GG	1940532352
SNP_P1_254575_9977	NW_004517921.1	Scaffold3160	9977	CC	TT	1940532355
SNP_P1_254576_10033	NW_004517921.1	Scaffold3160	10033	AA	CC	1940532357
SNP_P1_254577_10075	NW_004517921.1	Scaffold3160	10075	TT	AA	1940532359
SNP_P1_254578_10166	NW_004517921.1	Scaffold3160	10166	AA	GG	1940532361
SNP_P1_254579_10196	NW_004517921.1	Scaffold3160	10196	AA	GG	1940532363
SNP_P1_254580_10232	NW_004517921.1	Scaffold3160	10232	TT	AA	1940532365
SNP_P1_254581_10349	NW_004517921.1	Scaffold3160	10349	CC	TT	1940532367
SNP_P1_254582_10361	NW_004517921.1	Scaffold3160	10361	CC	AA	1940532369
SNP_P1_254583_10408	NW_004517921.1	Scaffold3160	10408	AA	GG	1940532371
SNP_P1_254585_10588	NW_004517921.1	Scaffold3160	10588	TT	CC	1940532373
SNP_P1_254586_10633	NW_004517921.1	Scaffold3160	10633	CC	TT	1940532376
SNP_P1_254587_10695	NW_004517921.1	Scaffold3160	10695	TT	AA	1940532378
SNP_P1_254588_10754	NW_004517921.1	Scaffold3160	10754	TT	GG	1940532380
SNP_P1_254589_10795	NW_004517921.1	Scaffold3160	10795	GG	TT	1940532382
SNP_P1_254590_11035	NW_004517921.1	Scaffold3160	11035	GG	TT	1940532384
SNP_P1_254591_11583	NW_004517921.1	Scaffold3160	11583	GG	AA	1940532386
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SNP_P1_254593_11956	NW_004517921.1	Scaffold3160	11956	TT	CC	1940532390
SNP_P1_254594_11964	NW_004517921.1	Scaffold3160	11964	CC	GG	1940532392
SNP_P1_254595_11969	NW_004517921.1	Scaffold3160	11969	CC	TT	1940532395
SNP_P1_254596_22945	NW_004517921.1	Scaffold3160	22945	TT	GG	1940532397
SNP_P1_254597_22966	NW_004517921.1	Scaffold3160	22966	CC	TT	1940532399
SNP_P1_254598_23025	NW_004517921.1	Scaffold3160	23025	CC	TT	1940532401
SNP_P1_254599_830	NW_004517922.1	Scaffold3161	830	CC	AA	1940532403
SNP_P1_254600_909	NW_004517922.1	Scaffold3161	909	TT	AA	1940532405
SNP_P1_254601_4269	NW_004517922.1	Scaffold3161	4269	TT	AA	1940532407
SNP_P1_254602_4947	NW_004517922.1	Scaffold3161	4947	GG	CC	1940532409
SNP_P1_254603_5799	NW_004517922.1	Scaffold3161	5799	TT	GG	1940532411
SNP_P1_254604_5813	NW_004517922.1	Scaffold3161	5813	TT	CC	1940532414
SNP_P1_254606_186	NW_004517923.1	Scaffold3163	186	GG	AA	1940532416
SNP_P1_254607_369	NW_004517923.1	Scaffold3163	369	TT	AA	1940532418
SNP_P1_254608_403	NW_004517923.1	Scaffold3163	403	AA	TT	1940532420
SNP_P1_254609_455	NW_004517923.1	Scaffold3163	455	TT	CC	1940532422
SNP_P1_254610_468	NW_004517923.1	Scaffold3163	468	CC	TT	1940532424

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254613_586	NW_004517923.1	Scaffold3163	586	GG	AA	1940532430
SNP_P1_254614_614	NW_004517923.1	Scaffold3163	614	GG	TT	1940532433
SNP_P1_254615_670	NW_004517923.1	Scaffold3163	670	AA	GG	1940532435
SNP_P1_254616_686	NW_004517923.1	Scaffold3163	686	CC	TT	1940532437
SNP_P1_254617_705	NW_004517923.1	Scaffold3163	705	AA	GG	1940532439
SNP_P1_254618_973	NW_004517923.1	Scaffold3163	973	CC	TT	1940532441
SNP_P1_254619_1083	NW_004517923.1	Scaffold3163	1083	AA	CC	1940532443
SNP_P1_254620_1111	NW_004517923.1	Scaffold3163	1111	AA	TT	1940532445
SNP_P1_254622_3606	NW_004517924.1	Scaffold3164	3606	CC	TT	1940532447
SNP_P1_254623_6193	NW_004517924.1	Scaffold3164	6193	TT	CC	1940532449
SNP_P1_254624_6212	NW_004517924.1	Scaffold3164	6212	AA	CC	1940532451
SNP_P1_254625_6406	NW_004517924.1	Scaffold3164	6406	AA	CC	1940532454
SNP_P1_254626_6428	NW_004517924.1	Scaffold3164	6428	GG	AA	1940532456
SNP_P1_254627_6561	NW_004517924.1	Scaffold3164	6561	AA	TT	1940532458
SNP_P1_254628_6586	NW_004517924.1	Scaffold3164	6586	CC	TT	1940532460
SNP_P1_254629_6894	NW_004517924.1	Scaffold3164	6894	AA	GG	1940532462
SNP_P1_254630_6942	NW_004517924.1	Scaffold3164	6942	AA	TT	1940532464
SNP_P1_254631_6991	NW_004517924.1	Scaffold3164	6991	CC	TT	1940532466
SNP_P1_254632_64	NW_004517926.1	Scaffold3168	64	GG	AA	1940532468
SNP_P1_254633_110	NW_004517926.1	Scaffold3168	110	AA	CC	1940532470
SNP_P1_254634_206	NW_004517926.1	Scaffold3168	206	AA	GG	1940532472
SNP_P1_254635_307	NW_004517926.1	Scaffold3168	307	CC	TT	1940532475
SNP_P1_254636_463	NW_004517926.1	Scaffold3168	463	TT	AA	1940532477
SNP_P1_254637_497	NW_004517926.1	Scaffold3168	497	AA	GG	1940532479
SNP_P1_254639_524	NW_004517926.1	Scaffold3168	524	AA	TT	1940532481
SNP_P1_254640_606	NW_004517926.1	Scaffold3168	606	AA	GG	1940532483
SNP_P1_254641_689	NW_004517926.1	Scaffold3168	689	AA	GG	1940532485
SNP_P1_254642_705	NW_004517926.1	Scaffold3168	705	TT	CC	1940532487
SNP_P1_254643_753	NW_004517926.1	Scaffold3168	753	TT	AA	1940532489
SNP_P1_254644_812	NW_004517926.1	Scaffold3168	812	TT	CC	1940532491
SNP_P1_254645_844	NW_004517926.1	Scaffold3168	844	GG	AA	1940532493
SNP_P1_254646_859	NW_004517926.1	Scaffold3168	859	CC	TT	1940532496
SNP_P1_254647_870	NW_004517926.1	Scaffold3168	870	CC	TT	1940532498
SNP_P1_254648_876	NW_004517926.1	Scaffold3168	876	AA	GG	1940532500
SNP_P1_254649_877	NW_004517926.1	Scaffold3168	877	TT	CC	1940532502
SNP_P1_254650_976	NW_004517926.1	Scaffold3168	976	CC	TT	1940532504
SNP_P1_254651_1353	NW_004517926.1	Scaffold3168	1353	AA	TT	1940532506
SNP_P1_254652_1364	NW_004517926.1	Scaffold3168	1364	TT	AA	1940532508
SNP_P1_254653_1427	NW_004517926.1	Scaffold3168	1427	AA	GG	1940532510
SNP_P1_254654_1459	NW_004517926.1	Scaffold3168	1459	CC	AA	1940532512

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254656_1489	NW_004517926.1	Scaffold3168	1489	TT	CC	1940532517
SNP_P1_254657_1507	NW_004517926.1	Scaffold3168	1507	AA	GG	1940532519
SNP_P1_254658_1717	NW_004517926.1	Scaffold3168	1717	CC	TT	1940532521
SNP_P1_254660_1829	NW_004517926.1	Scaffold3168	1829	TT	CC	1940532523
SNP_P1_254661_1871	NW_004517926.1	Scaffold3168	1871	AA	TT	1940532525
SNP_P1_254662_1872	NW_004517926.1	Scaffold3168	1872	TT	CC	1940532527
SNP_P1_254663_1887	NW_004517926.1	Scaffold3168	1887	CC	TT	1940532529
SNP_P1_254664_1895	NW_004517926.1	Scaffold3168	1895	GG	AA	1940532531
SNP_P1_254665_1907	NW_004517926.1	Scaffold3168	1907	CC	TT	1940532533
SNP_P1_254666_1993	NW_004517926.1	Scaffold3168	1993	GG	TT	1940532536
SNP_P1_254667_2016	NW_004517926.1	Scaffold3168	2016	AA	GG	1940532538
SNP_P1_254668_2036	NW_004517926.1	Scaffold3168	2036	CC	AA	1940532540
SNP_P1_254669_12764	NW_004517928.1	Scaffold3170	12764	TT	GG	1940532542
SNP_P1_254670_16450	NW_004517928.1	Scaffold3170	16450	TT	GG	1940532544
SNP_P1_254671_17014	NW_004517928.1	Scaffold3170	17014	GG	AA	1940532546
SNP_P1_254672_32281	NW_004517928.1	Scaffold3170	32281	CC	AA	1940532548
SNP_P1_254673_32686	NW_004517928.1	Scaffold3170	32686	TT	CC	1940532550
SNP_P1_254674_32687	NW_004517928.1	Scaffold3170	32687	TT	AA	1940532552
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SNP_P1_254680_72996	NW_004517928.1	Scaffold3170	72996	GG	AA	1940532563
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SNP_P1_254689_73737	NW_004517928.1	Scaffold3170	73737	CC	TT	1940532582
SNP_P1_254690_76890	NW_004517928.1	Scaffold3170	76890	GG	AA	1940532584
SNP_P1_254691_77463	NW_004517928.1	Scaffold3170	77463	CC	TT	1940532586
SNP_P1_254692_106814	NW_004517928.1	Scaffold3170	106814	TT	CC	1940532588
SNP_P1_254693_118884	NW_004517928.1	Scaffold3170	118884	CC	TT	1940532590
SNP_P1_254694_119300	NW_004517928.1	Scaffold3170	119300	CC	TT	1940532593
SNP_P1_254695_121522	NW_004517928.1	Scaffold3170	121522	CC	TT	1940532595
SNP_P1_254696_122666	NW_004517928.1	Scaffold3170	122666	CC	AA	1940532597
SNP_P1_254697_124436	NW_004517928.1	Scaffold3170	124436	CC	TT	1940532599
SNP_P1_254698_162141	NW_004517928.1	Scaffold3170	162141	GG	AA	1940532601

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254700_164496	NW_004517928.1	Scaffold3170	164496	GG	TT	1940532605
SNP_P1_254701_170315	NW_004517928.1	Scaffold3170	170315	CC	AA	1940532607
SNP_P1_254702_173415	NW_004517928.1	Scaffold3170	173415	AA	TT	1940532609
SNP_P1_254703_173416	NW_004517928.1	Scaffold3170	173416	TT	AA	1940532611
SNP_P1_254704_176028	NW_004517928.1	Scaffold3170	176028	GG	CC	1940532614
SNP_P1_254705_182675	NW_004517928.1	Scaffold3170	182675	AA	GG	1940532616
SNP_P1_254706_191821	NW_004517928.1	Scaffold3170	191821	CC	TT	1940532618
SNP_P1_254707_194424	NW_004517928.1	Scaffold3170	194424	CC	GG	1940532620
SNP_P1_254708_197458	NW_004517928.1	Scaffold3170	197458	AA	GG	1940532622
SNP_P1_254709_204936	NW_004517928.1	Scaffold3170	204936	AA	GG	1940532624
SNP_P1_254710_205077	NW_004517928.1	Scaffold3170	205077	AA	GG	1940532626
SNP_P1_254711_205109	NW_004517928.1	Scaffold3170	205109	GG	TT	1940532628
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SNP_P1_254714_205210	NW_004517928.1	Scaffold3170	205210	AA	CC	1940532633
SNP_P1_254715_205218	NW_004517928.1	Scaffold3170	205218	TT	AA	1940532635
SNP_P1_254716_205240	NW_004517928.1	Scaffold3170	205240	AA	GG	1940532637
SNP_P1_254717_205251	NW_004517928.1	Scaffold3170	205251	TT	CC	1940532639
SNP_P1_254718_205266	NW_004517928.1	Scaffold3170	205266	TT	CC	1940532641
SNP_P1_254719_208539	NW_004517928.1	Scaffold3170	208539	GG	CC	1940532643
SNP_P1_254720_208550	NW_004517928.1	Scaffold3170	208550	GG	TT	1940532645
SNP_P1_254721_209009	NW_004517928.1	Scaffold3170	209009	GG	CC	1940532647
SNP_P1_254722_209592	NW_004517928.1	Scaffold3170	209592	TT	CC	1940532649
SNP_P1_254723_212102	NW_004517928.1	Scaffold3170	212102	GG	CC	1940532652
SNP_P1_254724_216004	NW_004517928.1	Scaffold3170	216004	AA	CC	1940532654
SNP_P1_254726_537	NW_004517929.1	Scaffold3171	537	CC	TT	1940532656
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SNP_P1_254729_1998	NW_004517929.1	Scaffold3171	1998	AA	GG	1940532662
SNP_P1_254730_2006	NW_004517929.1	Scaffold3171	2006	TT	GG	1940532664
SNP_P1_254731_2103	NW_004517929.1	Scaffold3171	2103	GG	TT	1940532666
SNP_P1_254732_2148	NW_004517929.1	Scaffold3171	2148	GG	AA	1940532668
SNP_P1_254733_2157	NW_004517929.1	Scaffold3171	2157	AA	GG	1940532670
SNP_P1_254734_2180	NW_004517929.1	Scaffold3171	2180	AA	GG	1940532673
SNP_P1_254735_2235	NW_004517929.1	Scaffold3171	2235	GG	AA	1940532675
SNP_P1_254736_2298	NW_004517929.1	Scaffold3171	2298	CC	GG	1940532677
SNP_P1_254737_2375	NW_004517929.1	Scaffold3171	2375	CC	TT	1940532679
SNP_P1_254738_2391	NW_004517929.1	Scaffold3171	2391	GG	TT	1940532681
SNP_P1_254740_2435	NW_004517929.1	Scaffold3171	2435	AA	TT	1940532683
SNP_P1_254741_2441	NW_004517929.1	Scaffold3171	2441	TT	GG	1940532685
SNP_P1_254742_2524	NW_004517929.1	Scaffold3171	2524	GG	TT	1940532687
SNP_P1_254744_2753	NW_004517929.1	Scaffold3171	2753	CC	TT	1940532689

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254747_2770	NW_004517929.1	Scaffold3171	2770	TT	AA	1940532696
SNP_P1_254748_2772	NW_004517929.1	Scaffold3171	2772	GG	TT	1940532698
SNP_P1_254749_64	NW_004517930.1	Scaffold3172	64	AA	GG	1940532700
SNP_P1_254750_66	NW_004517930.1	Scaffold3172	66	TT	CC	1940532702
SNP_P1_254751_142	NW_004517930.1	Scaffold3172	142	GG	CC	1940532704
SNP_P1_254752_359	NW_004517930.1	Scaffold3172	359	CC	GG	1940532706
SNP_P1_254753_362	NW_004517930.1	Scaffold3172	362	CC	AA	1940532708
SNP_P1_254754_3858	NW_004517931.1	Scaffold3173	3858	TT	AA	1940532710
SNP_P1_254755_3960	NW_004517931.1	Scaffold3173	3960	AA	TT	1940532713
SNP_P1_254756_5988	NW_004517932.1	Scaffold3174	5988	GG	AA	1940532715
SNP_P1_254757_7224	NW_004517932.1	Scaffold3174	7224	AA	TT	1940532717
SNP_P1_254758_7239	NW_004517932.1	Scaffold3174	7239	TT	AA	1940532719
SNP_P1_254759_7246	NW_004517932.1	Scaffold3174	7246	GG	TT	1940532721
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SNP_P1_254768_17333	NW_004517933.1	Scaffold3175	17333	AA	CC	1940532738
SNP_P1_254769_17346	NW_004517933.1	Scaffold3175	17346	TT	CC	1940532740
SNP_P1_254770_18895	NW_004517933.1	Scaffold3175	18895	CC	TT	1940532742
SNP_P1_254771_18902	NW_004517933.1	Scaffold3175	18902	CC	AA	1940532744
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SNP_P1_254773_18920	NW_004517933.1	Scaffold3175	18920	GG	AA	1940532748
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SNP_P1_254776_19002	NW_004517933.1	Scaffold3175	19002	AA	GG	1940532755
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SNP_P1_254780_1295	NW_004517934.1	Scaffold3176	1295	CC	AA	1940532763
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SNP_P1_254782_1373	NW_004517934.1	Scaffold3176	1373	AA	GG	1940532767
SNP_P1_254783_1396	NW_004517934.1	Scaffold3176	1396	CC	TT	1940532769
SNP_P1_254784_1412	NW_004517934.1	Scaffold3176	1412	CC	TT	1940532771
SNP_P1_254785_1606	NW_004517934.1	Scaffold3176	1606	GG	CC	1940532774
SNP_P1_254786_757	NW_004517939.1	Scaffold3181	757	CC	TT	1940532776
SNP_P1_254787_773	NW_004517939.1	Scaffold3181	773	AA	TT	1940532778

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254790_466	NW_004517941.1	Scaffold3183	466	AA	TT	1940532784
SNP_P1_254791_2632	NW_004517943.1	Scaffold3187	2632	AA	TT	1940532786
SNP_P1_254792_2684	NW_004517943.1	Scaffold3187	2684	TT	GG	1940532788
SNP_P1_254793_2700	NW_004517943.1	Scaffold3187	2700	AA	GG	1940532790
SNP_P1_254794_4826	NW_004517943.1	Scaffold3187	4826	GG	AA	1940532793
SNP_P1_254795_5697	NW_004517943.1	Scaffold3187	5697	CC	TT	1940532795
SNP_P1_254796_6031	NW_004517943.1	Scaffold3187	6031	AA	GG	1940532797
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SNP_P1_254798_6792	NW_004517943.1	Scaffold3187	6792	TT	GG	1940532801
SNP_P1_254799_7304	NW_004517943.1	Scaffold3187	7304	CC	TT	1940532803
SNP_P1_254800_7585	NW_004517943.1	Scaffold3187	7585	GG	AA	1940532805
SNP_P1_254801_8329	NW_004517943.1	Scaffold3187	8329	TT	AA	1940532807
SNP_P1_254802_8394	NW_004517943.1	Scaffold3187	8394	TT	CC	1940532809
SNP_P1_254803_9264	NW_004517943.1	Scaffold3187	9264	GG	AA	1940532811
SNP_P1_254804_9947	NW_004517944.1	Scaffold3188	9947	AA	GG	1940532814
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SNP_P1_254809_25148	NW_004517947.1	Scaffold3191	25148	GG	TT	1940532824
SNP_P1_254810_25158	NW_004517947.1	Scaffold3191	25158	AA	GG	1940532826
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SNP_P1_254812_25293	NW_004517947.1	Scaffold3191	25293	AA	GG	1940532830
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SNP_P1_254819_25537	NW_004517947.1	Scaffold3191	25537	TT	CC	1940532845
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SNP_P1_254821_25722	NW_004517947.1	Scaffold3191	25722	GG	AA	1940532849
SNP_P1_254822_25864	NW_004517947.1	Scaffold3191	25864	CC	GG	1940532851
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SNP_P1_254826_167	NW_004517953.1	Scaffold3199	167	CC	TT	1940532858
SNP_P1_254827_606	NW_004517953.1	Scaffold3199	606	GG	CC	1940532860
SNP_P1_254828_673	NW_004517953.1	Scaffold3199	673	TT	GG	1940532862
SNP_P1_254829_803	NW_004517953.1	Scaffold3199	803	GG	AA	1940532864
SNP_P1_254830_637	NW_004517958.1	Scaffold3204	637	AA	TT	1940532866

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254834_214	NW_004517961.1	Scaffold3208	214	TT	CC	1940532875
SNP_P1_254835_483	NW_004517961.1	Scaffold3208	483	CC	TT	1940532877
SNP_P1_254836_673	NW_004517961.1	Scaffold3208	673	AA	GG	1940532879
SNP_P1_254837_771	NW_004517961.1	Scaffold3208	771	GG	AA	1940532881
SNP_P1_254838_802	NW_004517961.1	Scaffold3208	802	CC	TT	1940532883
SNP_P1_254839_1011	NW_004517961.1	Scaffold3208	1011	TT	GG	1940532885
SNP_P1_254840_1189	NW_004517961.1	Scaffold3208	1189	GG	AA	1940532887
SNP_P1_254841_1281	NW_004517961.1	Scaffold3208	1281	GG	AA	1940532889
SNP_P1_254842_1429	NW_004517961.1	Scaffold3208	1429	AA	GG	1940532891
SNP_P1_254843_1536	NW_004517961.1	Scaffold3208	1536	AA	TT	1940532893
SNP_P1_254844_64	NW_004517962.1	Scaffold3209	64	CC	AA	1940532896
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SNP_P1_254848_5614	NW_004517963.1	Scaffold3210	5614	TT	CC	1940532902
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SNP_P1_254862_118	NW_004517965.1	Scaffold3212	118	CC	AA	1940532931
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SNP_P1_254864_286	NW_004517965.1	Scaffold3212	286	AA	TT	1940532935
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SNP_P1_254866_628	NW_004517965.1	Scaffold3212	628	TT	AA	1940532940
SNP_P1_254867_697	NW_004517965.1	Scaffold3212	697	GG	TT	1940532942
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SNP_P1_254870_774	NW_004517965.1	Scaffold3212	774	AA	GG	1940532946
SNP_P1_254871_1333	NW_004517965.1	Scaffold3212	1333	CC	GG	1940532948
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SNP_P1_254874_1637	NW_004517965.1	Scaffold3212	1637	AA	GG	1940532952
SNP_P1_254876_1883	NW_004517965.1	Scaffold3212	1883	GG	CC	1940532954

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SNP_P1_254917_5589	NW_004517965.1	Scaffold3212	5589	GG	AA	1940533036
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_254950_8749	NW_004517965.1	Scaffold3212	8749	CC	TT	1940533104
SNP_P1_254951_8947	NW_004517965.1	Scaffold3212	8947	GG	TT	1940533106
SNP_P1_254952_9000	NW_004517965.1	Scaffold3212	9000	GG	TT	1940533108
SNP_P1_254953_9459	NW_004517965.1	Scaffold3212	9459	CC	TT	1940533110
SNP_P1_254954_9541	NW_004517965.1	Scaffold3212	9541	TT	AA	1940533112
SNP_P1_254955_9635	NW_004517965.1	Scaffold3212	9635	TT	CC	1940533114
SNP_P1_254956_9672	NW_004517965.1	Scaffold3212	9672	AA	TT	1940533116
SNP_P1_254957_9696	NW_004517965.1	Scaffold3212	9696	TT	CC	1940533118
SNP_P1_254958_9767	NW_004517965.1	Scaffold3212	9767	GG	AA	1940533121
SNP_P1_254959_9830	NW_004517965.1	Scaffold3212	9830	CC	GG	1940533123
SNP_P1_254960_9889	NW_004517965.1	Scaffold3212	9889	TT	CC	1940533125
SNP_P1_254961_9890	NW_004517965.1	Scaffold3212	9890	GG	AA	1940533127
SNP_P1_254962_10050	NW_004517965.1	Scaffold3212	10050	TT	CC	1940533129
SNP_P1_254963_10080	NW_004517965.1	Scaffold3212	10080	CC	AA	1940533131

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_254964_10083	NW_004517965.1	Scaffold3212	10083	TT	CC	1940533133
SNP_P1_254965_10105	NW_004517965.1	Scaffold3212	10105	GG	TT	1940533135
SNP_P1_254966_10114	NW_004517965.1	Scaffold3212	10114	CC	AA	1940533137
SNP_P1_254967_10183	NW_004517965.1	Scaffold3212	10183	TT	CC	1940533140
SNP_P1_254968_10307	NW_004517965.1	Scaffold3212	10307	CC	TT	1940533142
SNP_P1_254969_10372	NW_004517965.1	Scaffold3212	10372	GG	AA	1940533144
SNP_P1_254970_10738	NW_004517965.1	Scaffold3212	10738	TT	AA	1940533146
SNP_P1_254971_10794	NW_004517965.1	Scaffold3212	10794	AA	GG	1940533148
SNP_P1_254972_11463	NW_004517965.1	Scaffold3212	11463	GG	TT	1940533150
SNP_P1_254973_15396	NW_004517966.1	Scaffold3213	15396	CC	AA	1940533152
SNP_P1_254974_18200	NW_004517966.1	Scaffold3213	18200	TT	AA	1940533154
SNP_P1_254975_800	NW_004517968.1	Scaffold3215	800	CC	TT	1940533156
SNP_P1_254976_886	NW_004517968.1	Scaffold3215	886	TT	CC	1940533159
SNP_P1_254977_1063	NW_004517968.1	Scaffold3215	1063	GG	TT	1940533161
SNP_P1_254978_1074	NW_004517968.1	Scaffold3215	1074	CC	AA	1940533163
SNP_P1_254979_1077	NW_004517968.1	Scaffold3215	1077	TT	CC	1940533165
SNP_P1_254980_1340	NW_004517968.1	Scaffold3215	1340	GG	TT	1940533167
SNP_P1_254981_476	NW_004517969.1	Scaffold3216	476	GG	AA	1940533169
SNP_P1_254982_1562	NW_004517969.1	Scaffold3216	1562	GG	AA	1940533171
SNP_P1_254983_1872	NW_004517969.1	Scaffold3216	1872	TT	AA	1940533173
SNP_P1_254984_1904	NW_004517969.1	Scaffold3216	1904	AA	CC	1940533175
SNP_P1_254985_9011	NW_004517969.1	Scaffold3216	9011	AA	TT	1940533178
SNP_P1_254986_9299	NW_004517969.1	Scaffold3216	9299	CC	TT	1940533180
SNP_P1_254987_4099	NW_004517970.1	Scaffold3217	4099	AA	GG	1940533182
SNP_P1_254988_4107	NW_004517970.1	Scaffold3217	4107	AA	GG	1940533184
SNP_P1_254989_4117	NW_004517970.1	Scaffold3217	4117	AA	GG	1940533186
SNP_P1_254990_4134	NW_004517970.1	Scaffold3217	4134	GG	TT	1940533188
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SNP_P1_254992_4275	NW_004517970.1	Scaffold3217	4275	CC	TT	1940533192
SNP_P1_254993_4343	NW_004517970.1	Scaffold3217	4343	CC	AA	1940533194
SNP_P1_254994_4364	NW_004517970.1	Scaffold3217	4364	AA	GG	1940533196
SNP_P1_254995_4412	NW_004517970.1	Scaffold3217	4412	TT	GG	1940533199
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SNP_P1_254998_4584	NW_004517970.1	Scaffold3217	4584	CC	AA	1940533205
SNP_P1_254999_4601	NW_004517970.1	Scaffold3217	4601	AA	GG	1940533207
SNP_P1_255001_4724	NW_004517970.1	Scaffold3217	4724	AA	GG	1940533209
SNP_P1_255002_4767	NW_004517970.1	Scaffold3217	4767	AA	CC	1940533211
SNP_P1_255003_4882	NW_004517970.1	Scaffold3217	4882	GG	AA	1940533213
SNP_P1_255004_13734	NW_004517970.1	Scaffold3217	13734	AA	GG	1940533215
SNP_P1_255005_13849	NW_004517970.1	Scaffold3217	13849	CC	TT	1940533217
SNP_P1_255006_14160	NW_004517970.1	Scaffold3217	14160	AA	GG	1940533220

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255008_15302	NW_004517970.1	Scaffold3217	15302	GG	AA	1940533224
SNP_P1_255009_15304	NW_004517970.1	Scaffold3217	15304	AA	CC	1940533226
SNP_P1_255010_15341	NW_004517970.1	Scaffold3217	15341	TT	CC	1940533228
SNP_P1_255011_15548	NW_004517970.1	Scaffold3217	15548	CC	GG	1940533230
SNP_P1_255012_15838	NW_004517970.1	Scaffold3217	15838	AA	GG	1940533232
SNP_P1_255013_15849	NW_004517970.1	Scaffold3217	15849	AA	CC	1940533234
SNP_P1_255014_15915	NW_004517970.1	Scaffold3217	15915	AA	GG	1940533236
SNP_P1_255015_20534	NW_004517970.1	Scaffold3217	20534	AA	TT	1940533239
SNP_P1_255016_26394	NW_004517970.1	Scaffold3217	26394	TT	AA	1940533241
SNP_P1_255017_36238	NW_004517970.1	Scaffold3217	36238	AA	GG	1940533243
SNP_P1_255018_36291	NW_004517970.1	Scaffold3217	36291	AA	CC	1940533245
SNP_P1_255019_36603	NW_004517970.1	Scaffold3217	36603	TT	AA	1940533247
SNP_P1_255020_38655	NW_004517970.1	Scaffold3217	38655	GG	AA	1940533249
SNP_P1_255021_38673	NW_004517970.1	Scaffold3217	38673	TT	AA	1940533251
SNP_P1_255023_766	NW_004517976.1	Scaffold3225	766	AA	GG	1940533253
SNP_P1_255024_5514	NW_004517976.1	Scaffold3225	5514	TT	CC	1940533255
SNP_P1_255025_5712	NW_004517976.1	Scaffold3225	5712	AA	GG	1940533258
SNP_P1_255026_5713	NW_004517976.1	Scaffold3225	5713	CC	TT	1940533260
SNP_P1_255027_5764	NW_004517976.1	Scaffold3225	5764	CC	TT	1940533262
SNP_P1_255028_8616	NW_004517976.1	Scaffold3225	8616	TT	CC	1940533264
SNP_P1_255029_8632	NW_004517976.1	Scaffold3225	8632	TT	CC	1940533266
SNP_P1_255030_8635	NW_004517976.1	Scaffold3225	8635	AA	GG	1940533268
SNP_P1_255031_8665	NW_004517976.1	Scaffold3225	8665	TT	CC	1940533270
SNP_P1_255032_8668	NW_004517976.1	Scaffold3225	8668	CC	AA	1940533272
SNP_P1_255033_8682	NW_004517976.1	Scaffold3225	8682	TT	CC	1940533274
SNP_P1_255034_8718	NW_004517976.1	Scaffold3225	8718	TT	CC	1940533277
SNP_P1_255035_8743	NW_004517976.1	Scaffold3225	8743	AA	GG	1940533279
SNP_P1_255036_9308	NW_004517976.1	Scaffold3225	9308	CC	GG	1940533281
SNP_P1_255037_10032	NW_004517976.1	Scaffold3225	10032	TT	GG	1940533283
SNP_P1_255038_18229	NW_004517976.1	Scaffold3225	18229	TT	GG	1940533285
SNP_P1_255039_18278	NW_004517976.1	Scaffold3225	18278	GG	AA	1940533287
SNP_P1_255041_21691	NW_004517976.1	Scaffold3225	21691	CC	GG	1940533289
SNP_P1_255042_21865	NW_004517976.1	Scaffold3225	21865	AA	GG	1940533291
SNP_P1_255043_21955	NW_004517976.1	Scaffold3225	21955	AA	GG	1940533293
SNP_P1_255044_22009	NW_004517976.1	Scaffold3225	22009	AA	GG	1940533296
SNP_P1_255045_22024	NW_004517976.1	Scaffold3225	22024	AA	GG	1940533298
SNP_P1_255046_22043	NW_004517976.1	Scaffold3225	22043	AA	CC	1940533300
SNP_P1_255047_22073	NW_004517976.1	Scaffold3225	22073	AA	GG	1940533302
SNP_P1_255048_22316	NW_004517976.1	Scaffold3225	22316	GG	AA	1940533304
SNP_P1_255050_25177	NW_004517976.1	Scaffold3225	25177	CC	TT	1940533306
SNP_P1_255052_1737	NW_004517979.1	Scaffold3228	1737	AA	GG	1940533308

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255056_3393	NW_004517979.1	Scaffold3228	3393	CC	TT	1940533314
SNP_P1_255057_4799	NW_004517979.1	Scaffold3228	4799	CC	TT	1940533317
SNP_P1_255058_4885	NW_004517979.1	Scaffold3228	4885	AA	GG	1940533319
SNP_P1_255059_5239	NW_004517979.1	Scaffold3228	5239	CC	GG	1940533321
SNP_P1_255060_6095	NW_004517979.1	Scaffold3228	6095	GG	AA	1940533323
SNP_P1_255061_6103	NW_004517979.1	Scaffold3228	6103	CC	TT	1940533325
SNP_P1_255062_7169	NW_004517979.1	Scaffold3228	7169	TT	AA	1940533327
SNP_P1_255063_7676	NW_004517979.1	Scaffold3228	7676	TT	CC	1940533329
SNP_P1_255064_8028	NW_004517979.1	Scaffold3228	8028	GG	CC	1940533331
SNP_P1_255065_8151	NW_004517979.1	Scaffold3228	8151	TT	GG	1940533333
SNP_P1_255066_8331	NW_004517979.1	Scaffold3228	8331	GG	CC	1940533336
SNP_P1_255067_8510	NW_004517979.1	Scaffold3228	8510	AA	GG	1940533338
SNP_P1_255068_8518	NW_004517979.1	Scaffold3228	8518	AA	GG	1940533340
SNP_P1_255069_8534	NW_004517979.1	Scaffold3228	8534	AA	GG	1940533342
SNP_P1_255070_9298	NW_004517979.1	Scaffold3228	9298	GG	AA	1940533344
SNP_P1_255071_10144	NW_004517979.1	Scaffold3228	10144	AA	GG	1940533346
SNP_P1_255072_14859	NW_004517979.1	Scaffold3228	14859	GG	AA	1940533348
SNP_P1_255073_15187	NW_004517979.1	Scaffold3228	15187	GG	AA	1940533350
SNP_P1_255074_16980	NW_004517979.1	Scaffold3228	16980	TT	AA	1940533352
SNP_P1_255075_20869	NW_004517979.1	Scaffold3228	20869	CC	GG	1940533354
SNP_P1_255076_21255	NW_004517979.1	Scaffold3228	21255	TT	CC	1940533357
SNP_P1_255077_22173	NW_004517979.1	Scaffold3228	22173	TT	CC	1940533359
SNP_P1_255078_23227	NW_004517979.1	Scaffold3228	23227	AA	CC	1940533361
SNP_P1_255079_23711	NW_004517979.1	Scaffold3228	23711	TT	AA	1940533363
SNP_P1_255080_24979	NW_004517979.1	Scaffold3228	24979	TT	AA	1940533365
SNP_P1_255081_24980	NW_004517979.1	Scaffold3228	24980	TT	AA	1940533367
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SNP_P1_255083_33510	NW_004517979.1	Scaffold3228	33510	CC	TT	1940533371
SNP_P1_255084_43196	NW_004517979.1	Scaffold3228	43196	GG	AA	1940533373
SNP_P1_255085_43373	NW_004517979.1	Scaffold3228	43373	AA	GG	1940533376
SNP_P1_255086_47543	NW_004517979.1	Scaffold3228	47543	CC	TT	1940533378
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SNP_P1_255091_54030	NW_004517979.1	Scaffold3228	54030	AA	GG	1940533382
SNP_P1_255092_54394	NW_004517979.1	Scaffold3228	54394	TT	CC	1940533384
SNP_P1_255093_54423	NW_004517979.1	Scaffold3228	54423	TT	CC	1940533386
SNP_P1_255094_54441	NW_004517979.1	Scaffold3228	54441	CC	TT	1940533388
SNP_P1_255095_54528	NW_004517979.1	Scaffold3228	54528	TT	AA	1940533390
SNP_P1_255096_54667	NW_004517979.1	Scaffold3228	54667	TT	AA	1940533392
SNP_P1_255097_54668	NW_004517979.1	Scaffold3228	54668	AA	TT	1940533395
SNP_P1_255098_56308	NW_004517979.1	Scaffold3228	56308	GG	AA	1940533397

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255101_890	NW_004517980.1	Scaffold3229	890	GG	AA	1940533403
SNP_P1_255102_1072	NW_004517980.1	Scaffold3229	1072	GG	AA	1940533405
SNP_P1_255103_1210	NW_004517980.1	Scaffold3229	1210	GG	AA	1940533407
SNP_P1_255104_1211	NW_004517980.1	Scaffold3229	1211	TT	AA	1940533409
SNP_P1_255105_1381	NW_004517980.1	Scaffold3229	1381	GG	CC	1940533411
SNP_P1_255106_1450	NW_004517980.1	Scaffold3229	1450	GG	AA	1940533414
SNP_P1_255107_1568	NW_004517980.1	Scaffold3229	1568	CC	AA	1940533416
SNP_P1_255108_1594	NW_004517980.1	Scaffold3229	1594	TT	CC	1940533418
SNP_P1_255109_1666	NW_004517980.1	Scaffold3229	1666	AA	GG	1940533420
SNP_P1_255110_1701	NW_004517980.1	Scaffold3229	1701	TT	AA	1940533422
SNP_P1_255111_4880	NW_004517980.1	Scaffold3229	4880	CC	AA	1940533424
SNP_P1_255112_4918	NW_004517980.1	Scaffold3229	4918	AA	GG	1940533426
SNP_P1_255113_4932	NW_004517980.1	Scaffold3229	4932	AA	GG	1940533428
SNP_P1_255114_4987	NW_004517980.1	Scaffold3229	4987	GG	AA	1940533430
SNP_P1_255115_5012	NW_004517980.1	Scaffold3229	5012	GG	AA	1940533432
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SNP_P1_255126_5403	NW_004517980.1	Scaffold3229	5403	AA	TT	1940533453
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SNP_P1_255129_5419	NW_004517980.1	Scaffold3229	5419	AA	TT	1940533460
SNP_P1_255130_5420	NW_004517980.1	Scaffold3229	5420	CC	AA	1940533462
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SNP_P1_255134_5667	NW_004517980.1	Scaffold3229	5667	GG	AA	1940533470
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SNP_P1_255140_5968	NW_004517980.1	Scaffold3229	5968	GG	AA	1940533479
SNP_P1_255141_5977	NW_004517980.1	Scaffold3229	5977	CC	AA	1940533481
SNP_P1_255142_6024	NW_004517980.1	Scaffold3229	6024	AA	GG	1940533483
SNP_P1_255143_6102	NW_004517980.1	Scaffold3229	6102	CC	AA	1940533485

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255147_6303	NW_004517980.1	Scaffold3229	6303	GG	AA	1940533494
SNP_P1_255148_6389	NW_004517980.1	Scaffold3229	6389	TT	CC	1940533496
SNP_P1_255149_6400	NW_004517980.1	Scaffold3229	6400	AA	GG	1940533497
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SNP_P1_255158_6690	NW_004517980.1	Scaffold3229	6690	AA	TT	1940533516
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SNP_P1_255166_7751	NW_004517980.1	Scaffold3229	7751	AA	CC	1940533529
SNP_P1_255167_7752	NW_004517980.1	Scaffold3229	7752	TT	AA	1940533531
SNP_P1_255168_8065	NW_004517980.1	Scaffold3229	8065	GG	AA	1940533533
SNP_P1_255169_8109	NW_004517980.1	Scaffold3229	8109	CC	TT	1940533535
SNP_P1_255170_8126	NW_004517980.1	Scaffold3229	8126	TT	AA	1940533537
SNP_P1_255171_8460	NW_004517980.1	Scaffold3229	8460	CC	TT	1940533539
SNP_P1_255172_8887	NW_004517980.1	Scaffold3229	8887	CC	GG	1940533541
SNP_P1_255173_8920	NW_004517980.1	Scaffold3229	8920	TT	CC	1940533543
SNP_P1_255175_9330	NW_004517980.1	Scaffold3229	9330	GG	AA	1940533546
SNP_P1_255176_1564	NW_004517981.1	Scaffold3230	1564	GG	TT	1940533548
SNP_P1_255177_1887	NW_004517982.1	Scaffold3233	1887	TT	CC	1940533550
SNP_P1_255178_168	NW_004517983.1	Scaffold3234	168	GG	TT	1940533552
SNP_P1_255179_233	NW_004517983.1	Scaffold3234	233	CC	AA	1940533554
SNP_P1_255180_247	NW_004517983.1	Scaffold3234	247	GG	AA	1940533556
SNP_P1_255181_328	NW_004517983.1	Scaffold3234	328	TT	CC	1940533558
SNP_P1_255182_672	NW_004517983.1	Scaffold3234	672	AA	TT	1940533560
SNP_P1_255183_727	NW_004517983.1	Scaffold3234	727	GG	TT	1940533562
SNP_P1_255184_985	NW_004517983.1	Scaffold3234	985	CC	AA	1940533565
SNP_P1_255185_986	NW_004517983.1	Scaffold3234	986	AA	TT	1940533567
SNP_P1_255187_5559	NW_004517983.1	Scaffold3234	5559	CC	AA	1940533569
SNP_P1_255188_5579	NW_004517983.1	Scaffold3234	5579	TT	CC	1940533571
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255191_8535	NW_004517983.1	Scaffold3234	8535	CC	TT	1940533577
SNP_P1_255192_9856	NW_004517983.1	Scaffold3234	9856	AA	CC	1940533579
SNP_P1_255193_10260	NW_004517983.1	Scaffold3234	10260	GG	AA	1940533581
SNP_P1_255194_11327	NW_004517983.1	Scaffold3234	11327	TT	CC	1940533583
SNP_P1_255195_11509	NW_004517983.1	Scaffold3234	11509	AA	GG	1940533586
SNP_P1_255197_12096	NW_004517983.1	Scaffold3234	12096	CC	GG	1940533588
SNP_P1_255198_12151	NW_004517983.1	Scaffold3234	12151	GG	TT	1940533590
SNP_P1_255199_12185	NW_004517983.1	Scaffold3234	12185	CC	TT	1940533592
SNP_P1_255200_12963	NW_004517983.1	Scaffold3234	12963	AA	GG	1940533594
SNP_P1_255201_629	NW_004517984.1	Scaffold3235	629	GG	TT	1940533596
SNP_P1_255202_686	NW_004517984.1	Scaffold3235	686	TT	CC	1940533598
SNP_P1_255203_712	NW_004517984.1	Scaffold3235	712	CC	TT	1940533600
SNP_P1_255204_906	NW_004517984.1	Scaffold3235	906	GG	AA	1940533602
SNP_P1_255205_910	NW_004517984.1	Scaffold3235	910	CC	TT	1940533605
SNP_P1_255206_930	NW_004517984.1	Scaffold3235	930	TT	CC	1940533607
SNP_P1_255207_1013	NW_004517984.1	Scaffold3235	1013	GG	TT	1940533609
SNP_P1_255208_1266	NW_004517984.1	Scaffold3235	1266	TT	AA	1940533611
SNP_P1_255209_1192	NW_004517986.1	Scaffold3237	1192	AA	GG	1940533613
SNP_P1_255210_1196	NW_004517986.1	Scaffold3237	1196	CC	AA	1940533615
SNP_P1_255211_1232	NW_004517986.1	Scaffold3237	1232	TT	CC	1940533617
SNP_P1_255212_1261	NW_004517986.1	Scaffold3237	1261	TT	CC	1940533619
SNP_P1_255213_63	NW_004517989.1	Scaffold3241	63	AA	CC	1940533621
SNP_P1_255214_64	NW_004517989.1	Scaffold3241	64	AA	GG	1940533623
SNP_P1_255215_72	NW_004517989.1	Scaffold3241	72	TT	CC	1940533626
SNP_P1_255216_170	NW_004517989.1	Scaffold3241	170	GG	AA	1940533628
SNP_P1_255217_355	NW_004517989.1	Scaffold3241	355	AA	CC	1940533630
SNP_P1_255218_456	NW_004517989.1	Scaffold3241	456	CC	AA	1940533632
SNP_P1_255219_524	NW_004517989.1	Scaffold3241	524	TT	AA	1940533634
SNP_P1_255220_536	NW_004517989.1	Scaffold3241	536	GG	AA	1940533636
SNP_P1_255221_552	NW_004517989.1	Scaffold3241	552	CC	TT	1940533638
SNP_P1_255222_611	NW_004517989.1	Scaffold3241	611	GG	AA	1940533640
SNP_P1_255223_682	NW_004517989.1	Scaffold3241	682	TT	CC	1940533642
SNP_P1_255224_751	NW_004517989.1	Scaffold3241	751	AA	GG	1940533645
SNP_P1_255225_753	NW_004517989.1	Scaffold3241	753	TT	GG	1940533647
SNP_P1_255226_879	NW_004517989.1	Scaffold3241	879	GG	AA	1940533649
SNP_P1_255227_943	NW_004517989.1	Scaffold3241	943	CC	TT	1940533651
SNP_P1_255229_1082	NW_004517989.1	Scaffold3241	1082	GG	CC	1940533653
SNP_P1_255230_1084	NW_004517989.1	Scaffold3241	1084	GG	AA	1940533655
SNP_P1_255231_1135	NW_004517989.1	Scaffold3241	1135	AA	TT	1940533657
SNP_P1_255232_972	NW_004517990.1	Scaffold3242	972	GG	AA	1940533659
SNP_P1_255233_2849	NW_004517990.1	Scaffold3242	2849	TT	CC	1940533661

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255237_3512	NW_004517990.1	Scaffold3242	3512	GG	AA	1940533668
SNP_P1_255238_3517	NW_004517990.1	Scaffold3242	3517	TT	GG	1940533670
SNP_P1_255239_3552	NW_004517990.1	Scaffold3242	3552	TT	GG	1940533672
SNP_P1_255240_3558	NW_004517990.1	Scaffold3242	3558	AA	GG	1940533674
SNP_P1_255241_3579	NW_004517990.1	Scaffold3242	3579	GG	CC	1940533676
SNP_P1_255242_3747	NW_004517990.1	Scaffold3242	3747	CC	TT	1940533678
SNP_P1_255243_6037	NW_004517990.1	Scaffold3242	6037	CC	TT	1940533680
SNP_P1_255244_6157	NW_004517990.1	Scaffold3242	6157	CC	AA	1940533682
SNP_P1_255245_6170	NW_004517990.1	Scaffold3242	6170	CC	AA	1940533685
SNP_P1_255246_6511	NW_004517990.1	Scaffold3242	6511	TT	CC	1940533687
SNP_P1_255247_6521	NW_004517990.1	Scaffold3242	6521	AA	GG	1940533689
SNP_P1_255248_6560	NW_004517990.1	Scaffold3242	6560	CC	TT	1940533691
SNP_P1_255249_6650	NW_004517990.1	Scaffold3242	6650	AA	CC	1940533693
SNP_P1_255250_6666	NW_004517990.1	Scaffold3242	6666	TT	CC	1940533695
SNP_P1_255251_6686	NW_004517990.1	Scaffold3242	6686	CC	TT	1940533697
SNP_P1_255252_6705	NW_004517990.1	Scaffold3242	6705	TT	AA	1940533699
SNP_P1_255253_6711	NW_004517990.1	Scaffold3242	6711	CC	TT	1940533701
SNP_P1_255254_9631	NW_004517990.1	Scaffold3242	9631	GG	TT	1940533703
SNP_P1_255255_9692	NW_004517990.1	Scaffold3242	9692	TT	AA	1940533706
SNP_P1_255256_9716	NW_004517990.1	Scaffold3242	9716	TT	CC	1940533708
SNP_P1_255257_9727	NW_004517990.1	Scaffold3242	9727	TT	CC	1940533710
SNP_P1_255258_11931	NW_004517991.1	Scaffold3243	11931	TT	CC	1940533712
SNP_P1_255259_19335	NW_004517991.1	Scaffold3243	19335	AA	GG	1940533714
SNP_P1_255260_19633	NW_004517991.1	Scaffold3243	19633	AA	TT	1940533716
SNP_P1_255261_19651	NW_004517991.1	Scaffold3243	19651	CC	TT	1940533718
SNP_P1_255262_19657	NW_004517991.1	Scaffold3243	19657	CC	TT	1940533720
SNP_P1_255263_20332	NW_004517991.1	Scaffold3243	20332	TT	CC	1940533722
SNP_P1_255264_20337	NW_004517991.1	Scaffold3243	20337	AA	GG	1940533725
SNP_P1_255266_20470	NW_004517991.1	Scaffold3243	20470	GG	AA	1940533727
SNP_P1_255267_20480	NW_004517991.1	Scaffold3243	20480	GG	CC	1940533729
SNP_P1_255268_20490	NW_004517991.1	Scaffold3243	20490	AA	GG	1940533731
SNP_P1_255269_20555	NW_004517991.1	Scaffold3243	20555	GG	AA	1940533733
SNP_P1_255270_20654	NW_004517991.1	Scaffold3243	20654	AA	TT	1940533735
SNP_P1_255271_20675	NW_004517991.1	Scaffold3243	20675	CC	GG	1940533737
SNP_P1_255272_20695	NW_004517991.1	Scaffold3243	20695	AA	CC	1940533739
SNP_P1_255273_20782	NW_004517991.1	Scaffold3243	20782	CC	TT	1940533741
SNP_P1_255275_278	NW_004517992.1	Scaffold3245	278	AA	TT	1940533744
SNP_P1_255276_304	NW_004517992.1	Scaffold3245	304	AA	CC	1940533746
SNP_P1_255277_321	NW_004517992.1	Scaffold3245	321	GG	AA	1940533748
SNP_P1_255278_13483	NW_004517992.1	Scaffold3245	13483	AA	GG	1940533750

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255280_13650	NW_004517992.1	Scaffold3245	13650	GG	AA	1940533754
SNP_P1_255281_13677	NW_004517992.1	Scaffold3245	13677	GG	AA	1940533756
SNP_P1_255282_13680	NW_004517992.1	Scaffold3245	13680	TT	CC	1940533758
SNP_P1_255283_13690	NW_004517992.1	Scaffold3245	13690	TT	CC	1940533760
SNP_P1_255284_13744	NW_004517992.1	Scaffold3245	13744	CC	TT	1940533762
SNP_P1_255285_13867	NW_004517992.1	Scaffold3245	13867	TT	AA	1940533765
SNP_P1_255286_13873	NW_004517992.1	Scaffold3245	13873	TT	AA	1940533767
SNP_P1_255287_13874	NW_004517992.1	Scaffold3245	13874	GG	AA	1940533769
SNP_P1_255288_231	NW_004517994.1	Scaffold3248	231	CC	TT	1940533771
SNP_P1_255289_233	NW_004517994.1	Scaffold3248	233	AA	CC	1940533773
SNP_P1_255290_242	NW_004517994.1	Scaffold3248	242	TT	CC	1940533775
SNP_P1_255291_271	NW_004517994.1	Scaffold3248	271	TT	AA	1940533777
SNP_P1_255292_523	NW_004517995.1	Scaffold3251	523	CC	AA	1940533779
SNP_P1_255293_762	NW_004517995.1	Scaffold3251	762	AA	GG	1940533781
SNP_P1_255294_2756	NW_004517995.1	Scaffold3251	2756	GG	TT	1940533784
SNP_P1_255295_2766	NW_004517995.1	Scaffold3251	2766	CC	TT	1940533786
SNP_P1_255296_2772	NW_004517995.1	Scaffold3251	2772	AA	GG	1940533788
SNP_P1_255297_6936	NW_004517995.1	Scaffold3251	6936	AA	GG	1940533790
SNP_P1_255298_8533	NW_004517995.1	Scaffold3251	8533	GG	CC	1940533792
SNP_P1_255299_9075	NW_004517995.1	Scaffold3251	9075	TT	CC	1940533794
SNP_P1_255300_9436	NW_004517995.1	Scaffold3251	9436	GG	AA	1940533796
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SNP_P1_255302_9991	NW_004517995.1	Scaffold3251	9991	GG	CC	1940533800
SNP_P1_255303_10358	NW_004517995.1	Scaffold3251	10358	GG	AA	1940533802
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SNP_P1_255305_11413	NW_004517995.1	Scaffold3251	11413	GG	AA	1940533807
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SNP_P1_255308_14843	NW_004517995.1	Scaffold3251	14843	CC	TT	1940533813
SNP_P1_255309_15320	NW_004517995.1	Scaffold3251	15320	AA	GG	1940533815
SNP_P1_255311_388	NW_004517997.1	Scaffold3254_2	388	TT	CC	1940533817
SNP_P1_255312_389	NW_004517997.1	Scaffold3254_2	389	GG	AA	1940533819
SNP_P1_255313_405	NW_004517997.1	Scaffold3254_2	405	CC	GG	1940533821
SNP_P1_255314_691	NW_004517997.1	Scaffold3254_2	691	TT	CC	1940533824
SNP_P1_255315_742	NW_004517997.1	Scaffold3254_2	742	TT	CC	1940533826
SNP_P1_255316_744	NW_004517997.1	Scaffold3254_2	744	GG	CC	1940533828
SNP_P1_255317_762	NW_004517997.1	Scaffold3254_2	762	AA	GG	1940533830
SNP_P1_255318_775	NW_004517997.1	Scaffold3254_2	775	AA	GG	1940533832
SNP_P1_255321_2142	NW_004517997.1	Scaffold3254_2	2142	CC	AA	1940533834
SNP_P1_255322_2395	NW_004517997.1	Scaffold3254_2	2395	AA	GG	1940533836
SNP_P1_255323_3375	NW_004517997.1	Scaffold3254_2	3375	TT	CC	1940533838

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255325_5281	NW_004517997.1	Scaffold3254_2	5281	GG	AA	1940533842
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SNP_P1_255328_6553	NW_004517997.1	Scaffold3254_2	6553	CC	TT	1940533847
SNP_P1_255329_8084	NW_004517997.1	Scaffold3254_2	8084	TT	CC	1940533849
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SNP_P1_255331_8605	NW_004517997.1	Scaffold3254_2	8605	TT	CC	1940533853
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SNP_P1_255346_12626	NW_004517997.1	Scaffold3254_2	12626	CC	AA	1940533872
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SNP_P1_255358_17858	NW_004517997.1	Scaffold3254_2	17858	CC	TT	1940533889
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SNP_P1_255366_19736	NW_004517997.1	Scaffold3254_2	19736	TT	CC	1940533904
SNP_P1_255367_20086	NW_004517997.1	Scaffold3254_2	20086	GG	AA	1940533906
SNP_P1_255368_20201	NW_004517997.1	Scaffold3254_2	20201	AA	GG	1940533908
SNP_P1_255369_20871	NW_004517997.1	Scaffold3254_2	20871	GG	AA	1940533910
SNP_P1_255370_21820	NW_004517997.1	Scaffold3254_2	21820	AA	CC	1940533912
SNP_P1_255371_21822	NW_004517997.1	Scaffold3254_2	21822	AA	GG	1940533914
SNP_P1_255372_22161	NW_004517997.1	Scaffold3254_2	22161	TT	CC	1940533916
SNP_P1_255373_22276	NW_004517997.1	Scaffold3254_2	22276	GG	TT	1940533918
SNP_P1_255374_22315	NW_004517997.1	Scaffold3254_2	22315	GG	AA	1940533920
SNP_P1_255375_22336	NW_004517997.1	Scaffold3254_2	22336	TT	CC	1940533923
SNP_P1_255376_22435	NW_004517997.1	Scaffold3254_2	22435	AA	GG	1940533925
SNP_P1_255377_22440	NW_004517997.1	Scaffold3254_2	22440	CC	TT	1940533927

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255381_22556	NW_004517997.1	Scaffold3254_2	22556	TT	CC	1940533935
SNP_P1_255382_22966	NW_004517997.1	Scaffold3254_2	22966	AA	GG	1940533937
SNP_P1_255383_23171	NW_004517997.1	Scaffold3254_2	23171	CC	TT	1940533939
SNP_P1_255384_25587	NW_004517997.1	Scaffold3254_2	25587	CC	TT	1940533942
SNP_P1_255385_25782	NW_004517997.1	Scaffold3254_2	25782	AA	TT	1940533944
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SNP_P1_255388_29621	NW_004517997.1	Scaffold3254_2	29621	GG	TT	1940533948
SNP_P1_255389_29917	NW_004517997.1	Scaffold3254_2	29917	TT	GG	1940533950
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SNP_P1_255392_29939	NW_004517997.1	Scaffold3254_2	29939	TT	AA	1940533956
SNP_P1_255393_31479	NW_004517997.1	Scaffold3254_2	31479	AA	CC	1940533958
SNP_P1_255394_31485	NW_004517997.1	Scaffold3254_2	31485	CC	AA	1940533961
SNP_P1_255395_31498	NW_004517997.1	Scaffold3254_2	31498	AA	CC	1940533963
SNP_P1_255396_33445	NW_004517997.1	Scaffold3254_2	33445	TT	CC	1940533965
SNP_P1_255397_33496	NW_004517997.1	Scaffold3254_2	33496	AA	GG	1940533967
SNP_P1_255398_33499	NW_004517997.1	Scaffold3254_2	33499	GG	AA	1940533969
SNP_P1_255400_33610	NW_004517997.1	Scaffold3254_2	33610	CC	GG	1940533971
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SNP_P1_255410_41093	NW_004517997.1	Scaffold3254_2	41093	GG	TT	1940533988
SNP_P1_255411_45279	NW_004517997.1	Scaffold3254_2	45279	GG	TT	1940533990
SNP_P1_255412_45412	NW_004517997.1	Scaffold3254_2	45412	AA	CC	1940533992
SNP_P1_255413_45482	NW_004517997.1	Scaffold3254_2	45482	CC	AA	1940533994
SNP_P1_255414_47864	NW_004517997.1	Scaffold3254_2	47864	GG	AA	1940533996
SNP_P1_255415_48093	NW_004517997.1	Scaffold3254_2	48093	AA	CC	1940533998
SNP_P1_255417_48417	NW_004517997.1	Scaffold3254_2	48417	AA	GG	1940534001
SNP_P1_255418_48465	NW_004517997.1	Scaffold3254_2	48465	AA	TT	1940534003
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SNP_P1_255420_48884	NW_004517997.1	Scaffold3254_2	48884	CC	AA	1940534007
SNP_P1_255421_49325	NW_004517997.1	Scaffold3254_2	49325	AA	TT	1940534009
SNP_P1_255422_50253	NW_004517997.1	Scaffold3254_2	50253	TT	CC	1940534011
SNP_P1_255423_50388	NW_004517997.1	Scaffold3254_2	50388	CC	TT	1940534013
SNP_P1_255424_50545	NW_004517997.1	Scaffold3254_2	50545	TT	AA	1940534015

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255428_51153	NW_004517997.1	Scaffold3254_2	51153	CC	GG	1940534022
SNP_P1_255429_51172	NW_004517997.1	Scaffold3254_2	51172	CC	TT	1940534024
SNP_P1_255430_51329	NW_004517997.1	Scaffold3254_2	51329	GG	TT	1940534026
SNP_P1_255431_51340	NW_004517997.1	Scaffold3254_2	51340	CC	TT	1940534028
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SNP_P1_255435_51435	NW_004517997.1	Scaffold3254_2	51435	CC	TT	1940534036
SNP_P1_255436_52022	NW_004517997.1	Scaffold3254_2	52022	TT	CC	1940534039
SNP_P1_255437_52023	NW_004517997.1	Scaffold3254_2	52023	GG	AA	1940534041
SNP_P1_255438_52983	NW_004517997.1	Scaffold3254_2	52983	AA	GG	1940534043
SNP_P1_255439_53040	NW_004517997.1	Scaffold3254_2	53040	CC	GG	1940534045
SNP_P1_255440_53054	NW_004517997.1	Scaffold3254_2	53054	TT	CC	1940534047
SNP_P1_255441_53069	NW_004517997.1	Scaffold3254_2	53069	CC	TT	1940534049
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SNP_P1_255456_55344	NW_004517997.1	Scaffold3254_2	55344	CC	TT	1940534081
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SNP_P1_255465_74672	NW_004517997.1	Scaffold3254_2	74672	CC	GG	1940534099
SNP_P1_255467_76771	NW_004517997.1	Scaffold3254_2	76771	GG	TT	1940534102
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255473_77623	NW_004517997.1	Scaffold3254_2	77623	AA	GG	1940534112
SNP_P1_255474_78465	NW_004517997.1	Scaffold3254_2	78465	AA	CC	1940534114
SNP_P1_255475_78534	NW_004517997.1	Scaffold3254_2	78534	AA	CC	1940534116
SNP_P1_255476_78805	NW_004517997.1	Scaffold3254_2	78805	GG	AA	1940534118
SNP_P1_255477_79942	NW_004517997.1	Scaffold3254_2	79942	CC	TT	1940534121
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SNP_P1_255479_80269	NW_004517997.1	Scaffold3254_2	80269	GG	TT	1940534125
SNP_P1_255480_80277	NW_004517997.1	Scaffold3254_2	80277	AA	CC	1940534127
SNP_P1_255481_80285	NW_004517997.1	Scaffold3254_2	80285	AA	GG	1940534129
SNP_P1_255482_80581	NW_004517997.1	Scaffold3254_2	80581	GG	AA	1940534131
SNP_P1_255483_80605	NW_004517997.1	Scaffold3254_2	80605	AA	GG	1940534133
SNP_P1_255485_82944	NW_004517997.1	Scaffold3254_2	82944	AA	GG	1940534135
SNP_P1_255486_84104	NW_004517997.1	Scaffold3254_2	84104	TT	CC	1940534137
SNP_P1_255487_84810	NW_004517997.1	Scaffold3254_2	84810	GG	AA	1940534140
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SNP_P1_255510_90609	NW_004517997.1	Scaffold3254_2	90609	TT	AA	1940534186
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SNP_P1_255513_90710	NW_004517997.1	Scaffold3254_2	90710	CC	TT	1940534192

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255562_119397	NW_004517997.1	Scaffold3254_2	119397	CC	TT	1940534277
SNP_P1_255563_119524	NW_004517997.1	Scaffold3254_2	119524	AA	CC	1940534279
SNP_P1_255564_119573	NW_004517997.1	Scaffold3254_2	119573	TT	GG	1940534281

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255609_128454	NW_004517997.1	Scaffold3254_2	128454	AA	GG	1940534365
SNP_P1_255610_129779	NW_004517997.1	Scaffold3254_2	129779	GG	TT	1940534367
SNP_P1_255611_129800	NW_004517997.1	Scaffold3254_2	129800	AA	GG	1940534369

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_255612_129807	NW_004517997.1	Scaffold3254_2	129807	AA	TT	1940534371
SNP_P1_255613_130375	NW_004517997.1	Scaffold3254_2	130375	AA	CC	1940534373
SNP_P1_255614_130412	NW_004517997.1	Scaffold3254_2	130412	CC	TT	1940534376
SNP_P1_255615_130587	NW_004517997.1	Scaffold3254_2	130587	TT	GG	1940534378
SNP_P1_255616_130756	NW_004517997.1	Scaffold3254_2	130756	GG	AA	1940534380
SNP_P1_255617_132162	NW_004517997.1	Scaffold3254_2	132162	CC	TT	1940534382
SNP_P1_255619_132663	NW_004517997.1	Scaffold3254_2	132663	AA	GG	1940534384
SNP_P1_255620_132721	NW_004517997.1	Scaffold3254_2	132721	TT	AA	1940534386
SNP_P1_255621_132805	NW_004517997.1	Scaffold3254_2	132805	CC	AA	1940534388
SNP_P1_255622_132902	NW_004517997.1	Scaffold3254_2	132902	TT	AA	1940534390
SNP_P1_255623_133063	NW_004517997.1	Scaffold3254_2	133063	TT	AA	1940534392
SNP_P1_255624_133079	NW_004517997.1	Scaffold3254_2	133079	TT	CC	1940534394
SNP_P1_255626_134157	NW_004517997.1	Scaffold3254_2	134157	AA	TT	1940534397
SNP_P1_255627_134798	NW_004517997.1	Scaffold3254_2	134798	GG	TT	1940534399
SNP_P1_255628_134842	NW_004517997.1	Scaffold3254_2	134842	TT	GG	1940534401
SNP_P1_255629_135156	NW_004517997.1	Scaffold3254_2	135156	AA	CC	1940534403
SNP_P1_255630_136977	NW_004517997.1	Scaffold3254_2	136977	CC	TT	1940534405
SNP_P1_255631_137199	NW_004517997.1	Scaffold3254_2	137199	CC	TT	1940534407
SNP_P1_255633_137301	NW_004517997.1	Scaffold3254_2	137301	TT	AA	1940534409
SNP_P1_255634_138427	NW_004517997.1	Scaffold3254_2	138427	AA	GG	1940534411
SNP_P1_255635_138444	NW_004517997.1	Scaffold3254_2	138444	GG	TT	1940534413
SNP_P1_255636_138445	NW_004517997.1	Scaffold3254_2	138445	CC	TT	1940534416
SNP_P1_255637_138459	NW_004517997.1	Scaffold3254_2	138459	AA	GG	1940534418
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SNP_P1_255640_138688	NW_004517997.1	Scaffold3254_2	138688	TT	CC	1940534422
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SNP_P1_255646_141191	NW_004517997.1	Scaffold3254_2	141191	TT	CC	1940534432
SNP_P1_255647_141201	NW_004517997.1	Scaffold3254_2	141201	TT	GG	1940534434
SNP_P1_255649_141289	NW_004517997.1	Scaffold3254_2	141289	AA	CC	1940534437
SNP_P1_255650_141560	NW_004517997.1	Scaffold3254_2	141560	TT	AA	1940534439
SNP_P1_255651_141657	NW_004517997.1	Scaffold3254_2	141657	AA	GG	1940534441
SNP_P1_255652_142086	NW_004517997.1	Scaffold3254_2	142086	TT	CC	1940534443
SNP_P1_255653_143039	NW_004517997.1	Scaffold3254_2	143039	TT	CC	1940534445
SNP_P1_255654_143135	NW_004517997.1	Scaffold3254_2	143135	TT	AA	1940534447
SNP_P1_255655_143645	NW_004517997.1	Scaffold3254_2	143645	TT	AA	1940534449
SNP_P1_255656_143679	NW_004517997.1	Scaffold3254_2	143679	AA	CC	1940534451
SNP_P1_255657_143685	NW_004517997.1	Scaffold3254_2	143685	TT	CC	1940534453
SNP_P1_255658_144360	NW_004517997.1	Scaffold3254_2	144360	CC	TT	1940534456
SNP_P1_255659_144364	NW_004517997.1	Scaffold3254_2	144364	TT	AA	1940534458

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255661_144435	NW_004517997.1	Scaffold3254_2	144435	GG	AA	1940534462
SNP_P1_255662_144436	NW_004517997.1	Scaffold3254_2	144436	AA	GG	1940534464
SNP_P1_255663_144766	NW_004517997.1	Scaffold3254_2	144766	GG	TT	1940534466
SNP_P1_255664_144820	NW_004517997.1	Scaffold3254_2	144820	AA	CC	1940534468
SNP_P1_255665_144935	NW_004517997.1	Scaffold3254_2	144935	GG	AA	1940534470
SNP_P1_255666_145853	NW_004517997.1	Scaffold3254_2	145853	CC	TT	1940534472
SNP_P1_255667_146460	NW_004517997.1	Scaffold3254_2	146460	TT	GG	1940534474
SNP_P1_255668_146797	NW_004517997.1	Scaffold3254_2	146797	CC	GG	1940534477
SNP_P1_255669_146801	NW_004517997.1	Scaffold3254_2	146801	GG	CC	1940534479
SNP_P1_255670_147417	NW_004517997.1	Scaffold3254_2	147417	GG	AA	1940534481
SNP_P1_255671_147435	NW_004517997.1	Scaffold3254_2	147435	CC	TT	1940534483
SNP_P1_255672_147484	NW_004517997.1	Scaffold3254_2	147484	GG	AA	1940534485
SNP_P1_255673_147626	NW_004517997.1	Scaffold3254_2	147626	TT	CC	1940534487
SNP_P1_255674_147642	NW_004517997.1	Scaffold3254_2	147642	CC	TT	1940534489
SNP_P1_255676_148884	NW_004517997.1	Scaffold3254_2	148884	TT	AA	1940534491
SNP_P1_255677_149649	NW_004517997.1	Scaffold3254_2	149649	TT	CC	1940534493
SNP_P1_255678_149673	NW_004517997.1	Scaffold3254_2	149673	TT	AA	1940534496
SNP_P1_255679_149711	NW_004517997.1	Scaffold3254_2	149711	CC	AA	1940534498
SNP_P1_255681_150171	NW_004517997.1	Scaffold3254_2	150171	TT	CC	1940534500
SNP_P1_255682_150181	NW_004517997.1	Scaffold3254_2	150181	CC	TT	1940534502
SNP_P1_255683_150183	NW_004517997.1	Scaffold3254_2	150183	CC	TT	1940534504
SNP_P1_255684_150196	NW_004517997.1	Scaffold3254_2	150196	CC	TT	1940534506
SNP_P1_255685_150202	NW_004517997.1	Scaffold3254_2	150202	AA	GG	1940534508
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SNP_P1_255687_150321	NW_004517997.1	Scaffold3254_2	150321	GG	TT	1940534512
SNP_P1_255688_150377	NW_004517997.1	Scaffold3254_2	150377	CC	TT	1940534514
SNP_P1_255689_150380	NW_004517997.1	Scaffold3254_2	150380	GG	AA	1940534517
SNP_P1_255690_150406	NW_004517997.1	Scaffold3254_2	150406	AA	CC	1940534519
SNP_P1_255691_151099	NW_004517997.1	Scaffold3254_2	151099	CC	TT	1940534521
SNP_P1_255692_151336	NW_004517997.1	Scaffold3254_2	151336	CC	TT	1940534523
SNP_P1_255693_152450	NW_004517997.1	Scaffold3254_2	152450	GG	AA	1940534525
SNP_P1_255694_152523	NW_004517997.1	Scaffold3254_2	152523	TT	CC	1940534527
SNP_P1_255695_152704	NW_004517997.1	Scaffold3254_2	152704	CC	TT	1940534529
SNP_P1_255696_152718	NW_004517997.1	Scaffold3254_2	152718	AA	GG	1940534531
SNP_P1_255697_153118	NW_004517997.1	Scaffold3254_2	153118	CC	GG	1940534533
SNP_P1_255698_153156	NW_004517997.1	Scaffold3254_2	153156	GG	AA	1940534536
SNP_P1_255699_153591	NW_004517997.1	Scaffold3254_2	153591	TT	CC	1940534538
SNP_P1_255700_153854	NW_004517997.1	Scaffold3254_2	153854	AA	GG	1940534540
SNP_P1_255701_153947	NW_004517997.1	Scaffold3254_2	153947	CC	GG	1940534542
SNP_P1_255702_154281	NW_004517997.1	Scaffold3254_2	154281	AA	GG	1940534544
SNP_P1_255703_154502	NW_004517997.1	Scaffold3254_2	154502	TT	CC	1940534546

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SNP_P1_255706_154862	NW_004517997.1	Scaffold3254_2	154862	CC	TT	1940534552
SNP_P1_255707_155086	NW_004517997.1	Scaffold3254_2	155086	GG	TT	1940534555
SNP_P1_255709_157384	NW_004517997.1	Scaffold3254_2	157384	TT	GG	1940534557
SNP_P1_255710_157403	NW_004517997.1	Scaffold3254_2	157403	GG	AA	1940534559
SNP_P1_255711_157699	NW_004517997.1	Scaffold3254_2	157699	CC	GG	1940534561
SNP_P1_255712_158125	NW_004517997.1	Scaffold3254_2	158125	GG	AA	1940534563
SNP_P1_255713_158325	NW_004517997.1	Scaffold3254_2	158325	GG	CC	1940534565
SNP_P1_255714_159036	NW_004517997.1	Scaffold3254_2	159036	CC	GG	1940534567
SNP_P1_255716_159453	NW_004517997.1	Scaffold3254_2	159453	CC	TT	1940534569
SNP_P1_255717_162527	NW_004517997.1	Scaffold3254_2	162527	CC	TT	1940534571
SNP_P1_255718_162983	NW_004517997.1	Scaffold3254_2	162983	AA	GG	1940534573
SNP_P1_255719_163027	NW_004517997.1	Scaffold3254_2	163027	TT	CC	1940534576
SNP_P1_255720_163236	NW_004517997.1	Scaffold3254_2	163236	GG	AA	1940534578
SNP_P1_255721_167175	NW_004517997.1	Scaffold3254_2	167175	AA	GG	1940534580
SNP_P1_255722_167326	NW_004517997.1	Scaffold3254_2	167326	GG	AA	1940534582
SNP_P1_255723_167814	NW_004517997.1	Scaffold3254_2	167814	TT	CC	1940534584
SNP_P1_255724_168795	NW_004517997.1	Scaffold3254_2	168795	TT	CC	1940534586
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SNP_P1_255727_168856	NW_004517997.1	Scaffold3254_2	168856	TT	CC	1940534590
SNP_P1_255728_168883	NW_004517997.1	Scaffold3254_2	168883	CC	TT	1940534592
SNP_P1_255729_168884	NW_004517997.1	Scaffold3254_2	168884	GG	AA	1940534594
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SNP_P1_255731_169205	NW_004517997.1	Scaffold3254_2	169205	CC	TT	1940534599
SNP_P1_255732_172117	NW_004517997.1	Scaffold3254_2	172117	CC	GG	1940534601
SNP_P1_255733_172853	NW_004517997.1	Scaffold3254_2	172853	CC	TT	1940534603
SNP_P1_255734_173125	NW_004517997.1	Scaffold3254_2	173125	GG	CC	1940534605
SNP_P1_255735_174154	NW_004517997.1	Scaffold3254_2	174154	CC	AA	1940534607
SNP_P1_255736_175497	NW_004517997.1	Scaffold3254_2	175497	CC	AA	1940534609
SNP_P1_255739_176350	NW_004517997.1	Scaffold3254_2	176350	CC	TT	1940534611
SNP_P1_255740_176561	NW_004517997.1	Scaffold3254_2	176561	CC	GG	1940534614
SNP_P1_255741_176632	NW_004517997.1	Scaffold3254_2	176632	CC	TT	1940534616
SNP_P1_255742_176864	NW_004517997.1	Scaffold3254_2	176864	CC	TT	1940534618
SNP_P1_255743_176966	NW_004517997.1	Scaffold3254_2	176966	GG	TT	1940534620
SNP_P1_255744_177758	NW_004517997.1	Scaffold3254_2	177758	CC	AA	1940534622
SNP_P1_255745_177937	NW_004517997.1	Scaffold3254_2	177937	AA	TT	1940534624
SNP_P1_255746_178196	NW_004517997.1	Scaffold3254_2	178196	AA	TT	1940534626
SNP_P1_255747_180936	NW_004517997.1	Scaffold3254_2	180936	CC	TT	1940534628
SNP_P1_255748_181852	NW_004517997.1	Scaffold3254_2	181852	AA	TT	1940534630
SNP_P1_255749_181942	NW_004517997.1	Scaffold3254_2	181942	TT	AA	1940534633
SNP_P1_255750_182378	NW_004517997.1	Scaffold3254_2	182378	AA	TT	1940534635

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SNP_P1_255753_186522	NW_004517997.1	Scaffold3254_2	186522	CC	AA	1940534639
SNP_P1_255754_187787	NW_004517997.1	Scaffold3254_2	187787	CC	TT	1940534641
SNP_P1_255755_187788	NW_004517997.1	Scaffold3254_2	187788	TT	CC	1940534643
SNP_P1_255756_187802	NW_004517997.1	Scaffold3254_2	187802	TT	CC	1940534645
SNP_P1_255757_187832	NW_004517997.1	Scaffold3254_2	187832	AA	CC	1940534647
SNP_P1_255758_188139	NW_004517997.1	Scaffold3254_2	188139	GG	TT	1940534649
SNP_P1_255759_189154	NW_004517997.1	Scaffold3254_2	189154	GG	TT	1940534651
SNP_P1_255760_189163	NW_004517997.1	Scaffold3254_2	189163	GG	AA	1940534654
SNP_P1_255761_189165	NW_004517997.1	Scaffold3254_2	189165	GG	AA	1940534656
SNP_P1_255762_189182	NW_004517997.1	Scaffold3254_2	189182	AA	TT	1940534658
SNP_P1_255765_189858	NW_004517997.1	Scaffold3254_2	189858	CC	AA	1940534660
SNP_P1_255767_192845	NW_004517997.1	Scaffold3254_2	192845	TT	CC	1940534662
SNP_P1_255768_194369	NW_004517997.1	Scaffold3254_2	194369	TT	CC	1940534664
SNP_P1_255769_194733	NW_004517997.1	Scaffold3254_2	194733	AA	TT	1940534666
SNP_P1_255770_194753	NW_004517997.1	Scaffold3254_2	194753	GG	TT	1940534668
SNP_P1_255771_194839	NW_004517997.1	Scaffold3254_2	194839	TT	CC	1940534670
SNP_P1_255773_195242	NW_004517997.1	Scaffold3254_2	195242	GG	AA	1940534672
SNP_P1_255774_195247	NW_004517997.1	Scaffold3254_2	195247	CC	TT	1940534675
SNP_P1_255775_195276	NW_004517997.1	Scaffold3254_2	195276	AA	CC	1940534677
SNP_P1_255776_195749	NW_004517997.1	Scaffold3254_2	195749	GG	TT	1940534679
SNP_P1_255777_195887	NW_004517997.1	Scaffold3254_2	195887	AA	TT	1940534681
SNP_P1_255778_195891	NW_004517997.1	Scaffold3254_2	195891	CC	TT	1940534683
SNP_P1_255779_195901	NW_004517997.1	Scaffold3254_2	195901	CC	TT	1940534685
SNP_P1_255781_196214	NW_004517997.1	Scaffold3254_2	196214	GG	AA	1940534687
SNP_P1_255782_196301	NW_004517997.1	Scaffold3254_2	196301	CC	TT	1940534689
SNP_P1_255784_196764	NW_004517997.1	Scaffold3254_2	196764	TT	GG	1940534691
SNP_P1_255785_196772	NW_004517997.1	Scaffold3254_2	196772	TT	AA	1940534694
SNP_P1_255786_196881	NW_004517997.1	Scaffold3254_2	196881	TT	GG	1940534696
SNP_P1_255787_196889	NW_004517997.1	Scaffold3254_2	196889	GG	TT	1940534698
SNP_P1_255788_197128	NW_004517997.1	Scaffold3254_2	197128	CC	TT	1940534700
SNP_P1_255789_197829	NW_004517997.1	Scaffold3254_2	197829	CC	TT	1940534702
SNP_P1_255790_198130	NW_004517997.1	Scaffold3254_2	198130	TT	AA	1940534704
SNP_P1_255791_198333	NW_004517997.1	Scaffold3254_2	198333	CC	GG	1940534706
SNP_P1_255792_198569	NW_004517997.1	Scaffold3254_2	198569	AA	GG	1940534708
SNP_P1_255793_198600	NW_004517997.1	Scaffold3254_2	198600	CC	TT	1940534710
SNP_P1_255794_198621	NW_004517997.1	Scaffold3254_2	198621	CC	GG	1940534713
SNP_P1_255795_198624	NW_004517997.1	Scaffold3254_2	198624	GG	TT	1940534715
SNP_P1_255796_198772	NW_004517997.1	Scaffold3254_2	198772	AA	CC	1940534717
SNP_P1_255797_198788	NW_004517997.1	Scaffold3254_2	198788	GG	AA	1940534719
SNP_P1_255798_198789	NW_004517997.1	Scaffold3254_2	198789	TT	CC	1940534721
SNP_P1_255799_198978	NW_004517997.1	Scaffold3254_2	198978	TT	CC	1940534723

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255801_199317	NW_004517997.1	Scaffold3254_2	199317	TT	AA	1940534727
SNP_P1_255802_199950	NW_004517997.1	Scaffold3254_2	199950	AA	GG	1940534729
SNP_P1_255803_199978	NW_004517997.1	Scaffold3254_2	199978	TT	AA	1940534731
SNP_P1_255804_200099	NW_004517997.1	Scaffold3254_2	200099	AA	CC	1940534734
SNP_P1_255805_200304	NW_004517997.1	Scaffold3254_2	200304	AA	GG	1940534736
SNP_P1_255806_201191	NW_004517997.1	Scaffold3254_2	201191	TT	AA	1940534738
SNP_P1_255807_202119	NW_004517997.1	Scaffold3254_2	202119	TT	CC	1940534740
SNP_P1_255808_202121	NW_004517997.1	Scaffold3254_2	202121	GG	AA	1940534742
SNP_P1_255809_202144	NW_004517997.1	Scaffold3254_2	202144	CC	TT	1940534744
SNP_P1_255810_202146	NW_004517997.1	Scaffold3254_2	202146	AA	GG	1940534746
SNP_P1_255811_202178	NW_004517997.1	Scaffold3254_2	202178	AA	GG	1940534748
SNP_P1_255812_202193	NW_004517997.1	Scaffold3254_2	202193	CC	TT	1940534750
SNP_P1_255813_202259	NW_004517997.1	Scaffold3254_2	202259	TT	CC	1940534752
SNP_P1_255814_202266	NW_004517997.1	Scaffold3254_2	202266	CC	TT	1940534755
SNP_P1_255815_202276	NW_004517997.1	Scaffold3254_2	202276	GG	TT	1940534757
SNP_P1_255816_202293	NW_004517997.1	Scaffold3254_2	202293	CC	TT	1940534759
SNP_P1_255817_202516	NW_004517997.1	Scaffold3254_2	202516	TT	CC	1940534761
SNP_P1_255818_202545	NW_004517997.1	Scaffold3254_2	202545	TT	GG	1940534763
SNP_P1_255819_202741	NW_004517997.1	Scaffold3254_2	202741	AA	GG	1940534765
SNP_P1_255820_202790	NW_004517997.1	Scaffold3254_2	202790	TT	CC	1940534767
SNP_P1_255821_202863	NW_004517997.1	Scaffold3254_2	202863	TT	GG	1940534769
SNP_P1_255824_203365	NW_004517997.1	Scaffold3254_2	203365	CC	GG	1940534771
SNP_P1_255826_204259	NW_004517997.1	Scaffold3254_2	204259	TT	GG	1940534774
SNP_P1_255827_204261	NW_004517997.1	Scaffold3254_2	204261	AA	GG	1940534776
SNP_P1_255828_204374	NW_004517997.1	Scaffold3254_2	204374	TT	CC	1940534778
SNP_P1_255829_204381	NW_004517997.1	Scaffold3254_2	204381	TT	CC	1940534780
SNP_P1_255830_204535	NW_004517997.1	Scaffold3254_2	204535	AA	TT	1940534782
SNP_P1_255831_204544	NW_004517997.1	Scaffold3254_2	204544	CC	TT	1940534784
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SNP_P1_255834_204630	NW_004517997.1	Scaffold3254_2	204630	AA	TT	1940534788
SNP_P1_255835_204666	NW_004517997.1	Scaffold3254_2	204666	CC	TT	1940534790
SNP_P1_255836_204695	NW_004517997.1	Scaffold3254_2	204695	GG	AA	1940534792
SNP_P1_255837_204849	NW_004517997.1	Scaffold3254_2	204849	GG	AA	1940534795
SNP_P1_255839_204985	NW_004517997.1	Scaffold3254_2	204985	CC	TT	1940534797
SNP_P1_255840_204992	NW_004517997.1	Scaffold3254_2	204992	AA	TT	1940534799
SNP_P1_255841_205028	NW_004517997.1	Scaffold3254_2	205028	AA	GG	1940534801
SNP_P1_255842_205043	NW_004517997.1	Scaffold3254_2	205043	AA	TT	1940534803
SNP_P1_255843_205119	NW_004517997.1	Scaffold3254_2	205119	TT	GG	1940534805
SNP_P1_255844_205136	NW_004517997.1	Scaffold3254_2	205136	GG	TT	1940534807
SNP_P1_255845_205328	NW_004517997.1	Scaffold3254_2	205328	GG	AA	1940534809
SNP_P1_255846_205691	NW_004517997.1	Scaffold3254_2	205691	AA	GG	1940534811

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_255849_208661	NW_004517997.1	Scaffold3254_2	208661	TT	AA	1940534816
SNP_P1_255850_209434	NW_004517997.1	Scaffold3254_2	209434	AA	GG	1940534818
SNP_P1_255852_210464	NW_004517997.1	Scaffold3254_2	210464	AA	GG	1940534820
SNP_P1_255855_212586	NW_004517997.1	Scaffold3254_2	212586	AA	TT	1940534822
SNP_P1_255856_212926	NW_004517997.1	Scaffold3254_2	212926	CC	TT	1940534824
SNP_P1_255857_212927	NW_004517997.1	Scaffold3254_2	212927	CC	GG	1940534826
SNP_P1_255858_212950	NW_004517997.1	Scaffold3254_2	212950	TT	CC	1940534828
SNP_P1_255859_212962	NW_004517997.1	Scaffold3254_2	212962	TT	CC	1940534830
SNP_P1_255860_212994	NW_004517997.1	Scaffold3254_2	212994	AA	GG	1940534832
SNP_P1_255861_213017	NW_004517997.1	Scaffold3254_2	213017	TT	CC	1940534835
SNP_P1_255862_213096	NW_004517997.1	Scaffold3254_2	213096	TT	CC	1940534837
SNP_P1_255863_213098	NW_004517997.1	Scaffold3254_2	213098	GG	CC	1940534839
SNP_P1_255864_213117	NW_004517997.1	Scaffold3254_2	213117	GG	AA	1940534841
SNP_P1_255865_213162	NW_004517997.1	Scaffold3254_2	213162	AA	TT	1940534843
SNP_P1_255866_213191	NW_004517997.1	Scaffold3254_2	213191	TT	CC	1940534845
SNP_P1_255867_213201	NW_004517997.1	Scaffold3254_2	213201	TT	AA	1940534847
SNP_P1_255868_213202	NW_004517997.1	Scaffold3254_2	213202	CC	AA	1940534849
SNP_P1_255869_213207	NW_004517997.1	Scaffold3254_2	213207	TT	CC	1940534851
SNP_P1_255870_214145	NW_004517997.1	Scaffold3254_2	214145	AA	CC	1940534854
SNP_P1_255871_215443	NW_004517997.1	Scaffold3254_2	215443	AA	TT	1940534856
SNP_P1_255873_215529	NW_004517997.1	Scaffold3254_2	215529	TT	CC	1940534858
SNP_P1_255875_215604	NW_004517997.1	Scaffold3254_2	215604	GG	TT	1940534860
SNP_P1_255876_218275	NW_004517997.1	Scaffold3254_2	218275	AA	TT	1940534862
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SNP_P1_255879_219048	NW_004517997.1	Scaffold3254_2	219048	TT	CC	1940534866
SNP_P1_255880_220110	NW_004517997.1	Scaffold3254_2	220110	CC	TT	1940534868
SNP_P1_255881_220629	NW_004517997.1	Scaffold3254_2	220629	CC	TT	1940534870
SNP_P1_255882_220908	NW_004517997.1	Scaffold3254_2	220908	TT	CC	1940534872
SNP_P1_255884_221393	NW_004517997.1	Scaffold3254_2	221393	AA	TT	1940534875
SNP_P1_255885_221423	NW_004517997.1	Scaffold3254_2	221423	TT	GG	1940534877
SNP_P1_255886_221796	NW_004517997.1	Scaffold3254_2	221796	TT	CC	1940534879
SNP_P1_255887_222053	NW_004517997.1	Scaffold3254_2	222053	AA	TT	1940534881
SNP_P1_255888_222069	NW_004517997.1	Scaffold3254_2	222069	AA	TT	1940534883
SNP_P1_255889_222356	NW_004517997.1	Scaffold3254_2	222356	TT	AA	1940534885
SNP_P1_255890_222377	NW_004517997.1	Scaffold3254_2	222377	AA	GG	1940534887
SNP_P1_255891_222931	NW_004517997.1	Scaffold3254_2	222931	AA	CC	1940534889
SNP_P1_255892_223150	NW_004517997.1	Scaffold3254_2	223150	CC	TT	1940534891
SNP_P1_255893_223191	NW_004517997.1	Scaffold3254_2	223191	TT	CC	1940534894
SNP_P1_255894_223435	NW_004517997.1	Scaffold3254_2	223435	AA	GG	1940534896
SNP_P1_255895_224072	NW_004517997.1	Scaffold3254_2	224072	TT	AA	1940534898
SNP_P1_255896_224074	NW_004517997.1	Scaffold3254_2	224074	AA	CC	1940534900

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SNP_P1_255898_225233	NW_004517997.1	Scaffold3254_2	225233	CC	GG	1940534904
SNP_P1_255899_225409	NW_004517997.1	Scaffold3254_2	225409	GG	CC	1940534906
SNP_P1_255900_225451	NW_004517997.1	Scaffold3254_2	225451	TT	CC	1940534908
SNP_P1_255901_225647	NW_004517997.1	Scaffold3254_2	225647	AA	TT	1940534910
SNP_P1_255902_225653	NW_004517997.1	Scaffold3254_2	225653	GG	AA	1940534912
SNP_P1_255903_225663	NW_004517997.1	Scaffold3254_2	225663	TT	CC	1940534915
SNP_P1_255904_225678	NW_004517997.1	Scaffold3254_2	225678	TT	CC	1940534917
SNP_P1_255905_225777	NW_004517997.1	Scaffold3254_2	225777	AA	GG	1940534919
SNP_P1_255906_225781	NW_004517997.1	Scaffold3254_2	225781	AA	TT	1940534921
SNP_P1_255907_225966	NW_004517997.1	Scaffold3254_2	225966	CC	AA	1940534923
SNP_P1_255908_226159	NW_004517997.1	Scaffold3254_2	226159	AA	TT	1940534925
SNP_P1_255909_226386	NW_004517997.1	Scaffold3254_2	226386	GG	AA	1940534927
SNP_P1_255910_226431	NW_004517997.1	Scaffold3254_2	226431	CC	AA	1940534929
SNP_P1_255911_226674	NW_004517997.1	Scaffold3254_2	226674	TT	CC	1940534931
SNP_P1_255913_227069	NW_004517997.1	Scaffold3254_2	227069	GG	AA	1940534934
SNP_P1_255915_231548	NW_004517997.1	Scaffold3254_2	231548	GG	CC	1940534936
SNP_P1_255916_232331	NW_004517997.1	Scaffold3254_2	232331	AA	GG	1940534938
SNP_P1_255917_232820	NW_004517997.1	Scaffold3254_2	232820	CC	TT	1940534940
SNP_P1_255918_232995	NW_004517997.1	Scaffold3254_2	232995	CC	AA	1940534942
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SNP_P1_255921_233318	NW_004517997.1	Scaffold3254_2	233318	AA	CC	1940534946
SNP_P1_255922_233969	NW_004517997.1	Scaffold3254_2	233969	TT	CC	1940534948
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SNP_P1_255926_234111	NW_004517997.1	Scaffold3254_2	234111	GG	AA	1940534955
SNP_P1_255927_234148	NW_004517997.1	Scaffold3254_2	234148	CC	TT	1940534957
SNP_P1_255928_234384	NW_004517997.1	Scaffold3254_2	234384	CC	TT	1940534959
SNP_P1_255929_234449	NW_004517997.1	Scaffold3254_2	234449	TT	CC	1940534961
SNP_P1_255930_234469	NW_004517997.1	Scaffold3254_2	234469	AA	TT	1940534963
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SNP_P1_255932_234925	NW_004517997.1	Scaffold3254_2	234925	TT	AA	1940534967
SNP_P1_255933_234941	NW_004517997.1	Scaffold3254_2	234941	GG	AA	1940534969
SNP_P1_255934_234946	NW_004517997.1	Scaffold3254_2	234946	TT	CC	1940534971
SNP_P1_255935_234955	NW_004517997.1	Scaffold3254_2	234955	GG	AA	1940534974
SNP_P1_255937_235424	NW_004517997.1	Scaffold3254_2	235424	CC	GG	1940534976
SNP_P1_255938_235426	NW_004517997.1	Scaffold3254_2	235426	GG	AA	1940534978
SNP_P1_255939_236555	NW_004517997.1	Scaffold3254_2	236555	TT	GG	1940534980
SNP_P1_255940_237171	NW_004517997.1	Scaffold3254_2	237171	TT	GG	1940534982
SNP_P1_255941_237561	NW_004517997.1	Scaffold3254_2	237561	CC	TT	1940534984
SNP_P1_255942_237937	NW_004517997.1	Scaffold3254_2	237937	GG	TT	1940534986
SNP_P1_255943_238708	NW_004517997.1	Scaffold3254_2	238708	GG	AA	1940534988

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SNP_P1_255945_239661	NW_004517997.1	Scaffold3254_2	239661	AA	GG	1940534992
SNP_P1_255946_239755	NW_004517997.1	Scaffold3254_2	239755	AA	TT	1940534995
SNP_P1_255947_239783	NW_004517997.1	Scaffold3254_2	239783	GG	AA	1940534997
SNP_P1_255948_241661	NW_004517997.1	Scaffold3254_2	241661	TT	CC	1940534999
SNP_P1_255949_241692	NW_004517997.1	Scaffold3254_2	241692	CC	AA	1940535001
SNP_P1_255950_241728	NW_004517997.1	Scaffold3254_2	241728	AA	GG	1940535003
SNP_P1_255951_241996	NW_004517997.1	Scaffold3254_2	241996	GG	AA	1940535005
SNP_P1_255952_242646	NW_004517997.1	Scaffold3254_2	242646	CC	TT	1940535007
SNP_P1_255953_242651	NW_004517997.1	Scaffold3254_2	242651	GG	AA	1940535009
SNP_P1_255954_243009	NW_004517997.1	Scaffold3254_2	243009	CC	AA	1940535011
SNP_P1_255955_243092	NW_004517997.1	Scaffold3254_2	243092	AA	GG	1940535013
SNP_P1_255956_243834	NW_004517997.1	Scaffold3254_2	243834	TT	CC	1940535016
SNP_P1_255957_244187	NW_004517997.1	Scaffold3254_2	244187	CC	AA	1940535018
SNP_P1_255958_244199	NW_004517997.1	Scaffold3254_2	244199	AA	CC	1940535020
SNP_P1_255960_244402	NW_004517997.1	Scaffold3254_2	244402	AA	CC	1940535022
SNP_P1_255961_244873	NW_004517997.1	Scaffold3254_2	244873	CC	TT	1940535024
SNP_P1_255963_245689	NW_004517997.1	Scaffold3254_2	245689	CC	GG	1940535026
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SNP_P1_255969_251426	NW_004517997.1	Scaffold3254_2	251426	AA	CC	1940535034
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SNP_P1_255972_19279	NW_004518000.1	Scaffold3258	19279	AA	CC	1940535041
SNP_P1_255973_19342	NW_004518000.1	Scaffold3258	19342	AA	GG	1940535043
SNP_P1_255974_19467	NW_004518000.1	Scaffold3258	19467	GG	AA	1940535045
SNP_P1_255975_19506	NW_004518000.1	Scaffold3258	19506	TT	CC	1940535047
SNP_P1_255976_24490	NW_004518000.1	Scaffold3258	24490	GG	AA	1940535049
SNP_P1_255977_29564	NW_004518000.1	Scaffold3258	29564	GG	AA	1940535051
SNP_P1_255978_29843	NW_004518000.1	Scaffold3258	29843	CC	TT	1940535053
SNP_P1_255979_29991	NW_004518000.1	Scaffold3258	29991	AA	CC	1940535056
SNP_P1_255980_30321	NW_004518000.1	Scaffold3258	30321	GG	TT	1940535058
SNP_P1_255981_31460	NW_004518000.1	Scaffold3258	31460	GG	TT	1940535060
SNP_P1_255982_31811	NW_004518000.1	Scaffold3258	31811	GG	AA	1940535062
SNP_P1_255983_31838	NW_004518000.1	Scaffold3258	31838	GG	AA	1940535064
SNP_P1_255984_32057	NW_004518000.1	Scaffold3258	32057	CC	TT	1940535066
SNP_P1_255985_33163	NW_004518000.1	Scaffold3258	33163	AA	TT	1940535068
SNP_P1_255986_33172	NW_004518000.1	Scaffold3258	33172	CC	AA	1940535070
SNP_P1_255987_33848	NW_004518000.1	Scaffold3258	33848	TT	AA	1940535072
SNP_P1_255990_34532	NW_004518000.1	Scaffold3258	34532	CC	GG	1940535075
SNP_P1_255992_34962	NW_004518000.1	Scaffold3258	34962	GG	TT	1940535077

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SNP_P1_255994_35645	NW_004518000.1	Scaffold3258	35645	CC	GG	1940535081
SNP_P1_255995_35853	NW_004518000.1	Scaffold3258	35853	GG	TT	1940535083
SNP_P1_255996_35971	NW_004518000.1	Scaffold3258	35971	TT	CC	1940535085
SNP_P1_255997_37354	NW_004518000.1	Scaffold3258	37354	TT	CC	1940535087
SNP_P1_255998_37653	NW_004518000.1	Scaffold3258	37653	GG	AA	1940535089
SNP_P1_255999_37765	NW_004518000.1	Scaffold3258	37765	TT	CC	1940535091
SNP_P1_256000_37949	NW_004518000.1	Scaffold3258	37949	TT	AA	1940535093
SNP_P1_256001_37950	NW_004518000.1	Scaffold3258	37950	TT	AA	1940535096
SNP_P1_256002_39777	NW_004518000.1	Scaffold3258	39777	TT	CC	1940535098
SNP_P1_256003_40324	NW_004518000.1	Scaffold3258	40324	CC	AA	1940535100
SNP_P1_256004_41261	NW_004518000.1	Scaffold3258	41261	TT	CC	1940535102
SNP_P1_256005_41387	NW_004518000.1	Scaffold3258	41387	AA	GG	1940535104
SNP_P1_256007_41507	NW_004518000.1	Scaffold3258	41507	CC	TT	1940535106
SNP_P1_256008_41840	NW_004518000.1	Scaffold3258	41840	AA	GG	1940535108
SNP_P1_256009_41841	NW_004518000.1	Scaffold3258	41841	TT	AA	1940535110
SNP_P1_256010_42948	NW_004518000.1	Scaffold3258	42948	AA	GG	1940535112
SNP_P1_256011_43898	NW_004518000.1	Scaffold3258	43898	GG	TT	1940535115
SNP_P1_256013_45551	NW_004518000.1	Scaffold3258	45551	GG	AA	1940535117
SNP_P1_256014_45976	NW_004518000.1	Scaffold3258	45976	TT	GG	1940535119
SNP_P1_256015_46494	NW_004518000.1	Scaffold3258	46494	CC	TT	1940535121
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SNP_P1_256018_47285	NW_004518000.1	Scaffold3258	47285	CC	TT	1940535125
SNP_P1_256019_47685	NW_004518000.1	Scaffold3258	47685	GG	TT	1940535127
SNP_P1_256020_47686	NW_004518000.1	Scaffold3258	47686	CC	TT	1940535129
SNP_P1_256021_48327	NW_004518000.1	Scaffold3258	48327	AA	CC	1940535131
SNP_P1_256022_48607	NW_004518000.1	Scaffold3258	48607	GG	AA	1940535134
SNP_P1_256023_48687	NW_004518000.1	Scaffold3258	48687	GG	AA	1940535136
SNP_P1_256024_48806	NW_004518000.1	Scaffold3258	48806	TT	AA	1940535138
SNP_P1_256026_48971	NW_004518000.1	Scaffold3258	48971	GG	AA	1940535140
SNP_P1_256027_51771	NW_004518000.1	Scaffold3258	51771	AA	GG	1940535142
SNP_P1_256028_51945	NW_004518000.1	Scaffold3258	51945	AA	CC	1940535144
SNP_P1_256030_52403	NW_004518000.1	Scaffold3258	52403	AA	CC	1940535146
SNP_P1_256031_52453	NW_004518000.1	Scaffold3258	52453	TT	GG	1940535148
SNP_P1_256032_52740	NW_004518000.1	Scaffold3258	52740	TT	CC	1940535150
SNP_P1_256033_54397	NW_004518000.1	Scaffold3258	54397	TT	AA	1940535153
SNP_P1_256034_55436	NW_004518000.1	Scaffold3258	55436	GG	AA	1940535155
SNP_P1_256035_55923	NW_004518000.1	Scaffold3258	55923	TT	CC	1940535157
SNP_P1_256036_55924	NW_004518000.1	Scaffold3258	55924	AA	TT	1940535159
SNP_P1_256038_58295	NW_004518000.1	Scaffold3258	58295	CC	TT	1940535161
SNP_P1_256039_58359	NW_004518000.1	Scaffold3258	58359	GG	AA	1940535163
SNP_P1_256040_58755	NW_004518000.1	Scaffold3258	58755	TT	CC	1940535165

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SNP_P1_256044_66087	NW_004518000.1	Scaffold3258	66087	AA	GG	1940535174
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SNP_P1_256047_67600	NW_004518000.1	Scaffold3258	67600	TT	CC	1940535178
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SNP_P1_256050_69007	NW_004518000.1	Scaffold3258	69007	GG	AA	1940535184
SNP_P1_256051_69138	NW_004518000.1	Scaffold3258	69138	TT	AA	1940535186
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SNP_P1_256088_79520	NW_004518000.1	Scaffold3258	79520	GG	CC	1940535250
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256095_79618	NW_004518000.1	Scaffold3258	79618	AA	GG	1940535264
SNP_P1_256096_79630	NW_004518000.1	Scaffold3258	79630	TT	GG	1940535267
SNP_P1_256097_79649	NW_004518000.1	Scaffold3258	79649	AA	TT	1940535269
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SNP_P1_256099_79663	NW_004518000.1	Scaffold3258	79663	CC	TT	1940535273
SNP_P1_256100_79821	NW_004518000.1	Scaffold3258	79821	AA	TT	1940535275
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SNP_P1_256103_79940	NW_004518000.1	Scaffold3258	79940	TT	GG	1940535279
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SNP_P1_256129_89469	NW_004518000.1	Scaffold3258	89469	TT	CC	1940535332
SNP_P1_256130_89509	NW_004518000.1	Scaffold3258	89509	AA	GG	1940535334
SNP_P1_256131_89734	NW_004518000.1	Scaffold3258	89734	CC	TT	1940535336
SNP_P1_256132_89784	NW_004518000.1	Scaffold3258	89784	TT	GG	1940535338
SNP_P1_256133_92093	NW_004518000.1	Scaffold3258	92093	AA	CC	1940535341
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256137_93271	NW_004518000.1	Scaffold3258	93271	AA	TT	1940535349
SNP_P1_256138_1091	NW_004518001.1	Scaffold3259	1091	TT	GG	1940535351
SNP_P1_256139_440	NW_004518005.1	Scaffold3272	440	GG	TT	1940535353
SNP_P1_256140_470	NW_004518005.1	Scaffold3272	470	GG	CC	1940535355
SNP_P1_256141_1357	NW_004518005.1	Scaffold3272	1357	AA	GG	1940535357
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SNP_P1_256144_2775	NW_004518005.1	Scaffold3272	2775	TT	GG	1940535363
SNP_P1_256145_376	NW_004518009.1	Scaffold3276	376	CC	TT	1940535366
SNP_P1_256146_554	NW_004518009.1	Scaffold3276	554	TT	CC	1940535368
SNP_P1_256147_856	NW_004518009.1	Scaffold3276	856	GG	CC	1940535370
SNP_P1_256148_2151	NW_004518010.1	Scaffold3277	2151	TT	AA	1940535372
SNP_P1_256149_2157	NW_004518010.1	Scaffold3277	2157	GG	AA	1940535374
SNP_P1_256150_2172	NW_004518010.1	Scaffold3277	2172	GG	AA	1940535376
SNP_P1_256151_2192	NW_004518010.1	Scaffold3277	2192	GG	AA	1940535378
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SNP_P1_256156_2646	NW_004518010.1	Scaffold3277	2646	TT	CC	1940535389
SNP_P1_256157_3000	NW_004518010.1	Scaffold3277	3000	CC	TT	1940535391
SNP_P1_256158_34351	NW_004518010.1	Scaffold3277	34351	TT	CC	1940535393
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SNP_P1_256160_17597	NW_004518013.1	Scaffold3280	17597	TT	CC	1940535397
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256186_84250	NW_004518013.1	Scaffold3280	84250	CC	TT	1940535450
SNP_P1_256187_84263	NW_004518013.1	Scaffold3280	84263	TT	CC	1940535452
SNP_P1_256188_116633	NW_004518013.1	Scaffold3280	116633	AA	GG	1940535454
SNP_P1_256189_116980	NW_004518013.1	Scaffold3280	116980	TT	CC	1940535456
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SNP_P1_256216_845	NW_004518017.1	Scaffold3284	845	TT	CC	1940535513
SNP_P1_256217_900	NW_004518017.1	Scaffold3284	900	AA	CC	1940535515
SNP_P1_256218_2292	NW_004518017.1	Scaffold3284	2292	CC	TT	1940535517
SNP_P1_256219_2470	NW_004518017.1	Scaffold3284	2470	AA	GG	1940535519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256225_6484	NW_004518023.1	Scaffold3293	6484	CC	AA	1940535530
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SNP_P1_256256_1069	NW_004518024.1	Scaffold3297	1069	GG	AA	1940535595
SNP_P1_256257_207	NW_004518026.1	Scaffold3299	207	GG	AA	1940535597
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SNP_P1_256260_382	NW_004518031.1	Scaffold3307	382	GG	TT	1940535604
SNP_P1_256261_416	NW_004518031.1	Scaffold3307	416	AA	TT	1940535606
SNP_P1_256262_694	NW_004518031.1	Scaffold3307	694	AA	GG	1940535608

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256264_782	NW_004518031.1	Scaffold3307	782	CC	GG	1940535612
SNP_P1_256265_2064	NW_004518031.1	Scaffold3307	2064	TT	CC	1940535614
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SNP_P1_256267_2451	NW_004518031.1	Scaffold3307	2451	AA	CC	1940535619
SNP_P1_256268_3810	NW_004518031.1	Scaffold3307	3810	GG	AA	1940535621
SNP_P1_256269_3918	NW_004518031.1	Scaffold3307	3918	TT	CC	1940535625
SNP_P1_256270_4935	NW_004518031.1	Scaffold3307	4935	AA	TT	1940535627
SNP_P1_256271_4972	NW_004518031.1	Scaffold3307	4972	AA	GG	1940535629
SNP_P1_256272_5125	NW_004518031.1	Scaffold3307	5125	AA	GG	1940535631
SNP_P1_256273_5221	NW_004518031.1	Scaffold3307	5221	GG	TT	1940535633
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SNP_P1_256275_5257	NW_004518031.1	Scaffold3307	5257	CC	TT	1940535637
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SNP_P1_256277_5282	NW_004518031.1	Scaffold3307	5282	TT	AA	1940535641
SNP_P1_256278_5309	NW_004518031.1	Scaffold3307	5309	GG	CC	1940535643
SNP_P1_256279_5349	NW_004518031.1	Scaffold3307	5349	CC	TT	1940535646
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SNP_P1_256281_9898	NW_004518031.1	Scaffold3307	9898	TT	AA	1940535650
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SNP_P1_256285_10004	NW_004518031.1	Scaffold3307	10004	GG	AA	1940535658
SNP_P1_256286_10379	NW_004518031.1	Scaffold3307	10379	CC	TT	1940535660
SNP_P1_256287_10394	NW_004518031.1	Scaffold3307	10394	TT	CC	1940535662
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SNP_P1_256290_10784	NW_004518031.1	Scaffold3307	10784	CC	GG	1940535669
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SNP_P1_256302_13366	NW_004518031.1	Scaffold3307	13366	GG	AA	1940535694
SNP_P1_256303_13413	NW_004518031.1	Scaffold3307	13413	GG	AA	1940535696
SNP_P1_256305_17799	NW_004518031.1	Scaffold3307	17799	CC	GG	1940535698

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256309_17905	NW_004518031.1	Scaffold3307	17905	GG	TT	1940535707
SNP_P1_256310_17907	NW_004518031.1	Scaffold3307	17907	CC	GG	1940535709
SNP_P1_256311_17990	NW_004518031.1	Scaffold3307	17990	TT	AA	1940535711
SNP_P1_256312_18205	NW_004518031.1	Scaffold3307	18205	GG	TT	1940535713
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SNP_P1_256314_18346	NW_004518031.1	Scaffold3307	18346	AA	GG	1940535717
SNP_P1_256315_18526	NW_004518031.1	Scaffold3307	18526	GG	CC	1940535719
SNP_P1_256316_20752	NW_004518031.1	Scaffold3307	20752	GG	AA	1940535721
SNP_P1_256317_21302	NW_004518031.1	Scaffold3307	21302	AA	GG	1940535724
SNP_P1_256318_21332	NW_004518031.1	Scaffold3307	21332	TT	AA	1940535726
SNP_P1_256319_21341	NW_004518031.1	Scaffold3307	21341	TT	CC	1940535728
SNP_P1_256320_21369	NW_004518031.1	Scaffold3307	21369	TT	GG	1940535730
SNP_P1_256321_21624	NW_004518031.1	Scaffold3307	21624	GG	AA	1940535732
SNP_P1_256322_21917	NW_004518031.1	Scaffold3307	21917	AA	TT	1940535734
SNP_P1_256323_21934	NW_004518031.1	Scaffold3307	21934	TT	CC	1940535736
SNP_P1_256324_22038	NW_004518031.1	Scaffold3307	22038	CC	AA	1940535738
SNP_P1_256325_22132	NW_004518031.1	Scaffold3307	22132	GG	AA	1940535740
SNP_P1_256326_22208	NW_004518031.1	Scaffold3307	22208	CC	TT	1940535743
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SNP_P1_256328_22343	NW_004518031.1	Scaffold3307	22343	AA	GG	1940535747
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SNP_P1_256332_22629	NW_004518031.1	Scaffold3307	22629	GG	AA	1940535755
SNP_P1_256333_22751	NW_004518031.1	Scaffold3307	22751	CC	TT	1940535757
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SNP_P1_256336_5603	NW_004518038.1	Scaffold3314	5603	GG	AA	1940535762
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SNP_P1_256348_7348	NW_004518038.1	Scaffold3314	7348	AA	TT	1940535785
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256358_7717	NW_004518038.1	Scaffold3314	7717	AA	GG	1940535806
SNP_P1_256359_7797	NW_004518038.1	Scaffold3314	7797	TT	CC	1940535808
SNP_P1_256360_7801	NW_004518038.1	Scaffold3314	7801	AA	TT	1940535810
SNP_P1_256361_7809	NW_004518038.1	Scaffold3314	7809	TT	CC	1940535812
SNP_P1_256362_7919	NW_004518038.1	Scaffold3314	7919	AA	GG	1940535814
SNP_P1_256363_7954	NW_004518038.1	Scaffold3314	7954	AA	TT	1940535816
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SNP_P1_256365_7995	NW_004518038.1	Scaffold3314	7995	AA	CC	1940535820
SNP_P1_256366_287	NW_004518041.1	Scaffold3317	287	CC	GG	1940535823
SNP_P1_256367_294	NW_004518041.1	Scaffold3317	294	AA	CC	1940535825
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SNP_P1_256388_23743	NW_004518043.1	Scaffold3321	23743	TT	CC	1940535865
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256483_60778	NW_004518043.1	Scaffold3321	60778	AA	GG	1940536046
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SNP_P1_256486_61709	NW_004518043.1	Scaffold3321	61709	GG	AA	1940536050
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256489_64347	NW_004518043.1	Scaffold3321	64347	AA	TT	1940536057
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SNP_P1_256492_69353	NW_004518043.1	Scaffold3321	69353	AA	GG	1940536063
SNP_P1_256493_69576	NW_004518043.1	Scaffold3321	69576	AA	GG	1940536065
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SNP_P1_256497_69799	NW_004518043.1	Scaffold3321	69799	CC	TT	1940536069
SNP_P1_256498_69836	NW_004518043.1	Scaffold3321	69836	GG	AA	1940536071
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SNP_P1_256505_8706	NW_004518045.1	Scaffold3323	8706	GG	CC	1940536082
SNP_P1_256506_9054	NW_004518045.1	Scaffold3323	9054	GG	CC	1940536084
SNP_P1_256507_9182	NW_004518045.1	Scaffold3323	9182	GG	AA	1940536086
SNP_P1_256508_9192	NW_004518045.1	Scaffold3323	9192	TT	CC	1940536088
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SNP_P1_256530_4328	NW_004518050.1	Scaffold3329	4328	AA	GG	1940536135
SNP_P1_256532_4720	NW_004518050.1	Scaffold3329	4720	CC	TT	1940536137
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256539_99	NW_004518055.1	Scaffold3336	99	GG	AA	1940536151
SNP_P1_256540_125	NW_004518055.1	Scaffold3336	125	GG	AA	1940536153
SNP_P1_256541_131	NW_004518055.1	Scaffold3336	131	TT	CC	1940536156
SNP_P1_256542_814	NW_004518055.1	Scaffold3336	814	CC	TT	1940536158
SNP_P1_256543_850	NW_004518055.1	Scaffold3336	850	AA	GG	1940536160
SNP_P1_256544_871	NW_004518055.1	Scaffold3336	871	GG	TT	1940536162
SNP_P1_256545_873	NW_004518055.1	Scaffold3336	873	TT	GG	1940536164
SNP_P1_256546_874	NW_004518055.1	Scaffold3336	874	TT	CC	1940536166
SNP_P1_256547_947	NW_004518055.1	Scaffold3336	947	GG	AA	1940536168
SNP_P1_256548_7107	NW_004518055.1	Scaffold3336	7107	CC	TT	1940536170
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SNP_P1_256560_22072	NW_004518056.1	Scaffold3337	22072	GG	CC	1940536189
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SNP_P1_256562_25280	NW_004518056.1	Scaffold3337	25280	TT	CC	1940536193
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SNP_P1_256568_67	NW_004518062.1	Scaffold3345	67	GG	CC	1940536206
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SNP_P1_256571_2094	NW_004518064.1	Scaffold3347	2094	AA	CC	1940536212
SNP_P1_256572_2121	NW_004518064.1	Scaffold3347	2121	CC	TT	1940536214
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SNP_P1_256579_2340	NW_004518064.1	Scaffold3347	2340	CC	TT	1940536229

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256584_2828	NW_004518064.1	Scaffold3347	2828	GG	CC	1940536240
SNP_P1_256585_2875	NW_004518064.1	Scaffold3347	2875	TT	GG	1940536242
SNP_P1_256586_823	NW_004518065.1	Scaffold3348	823	TT	GG	1940536244
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SNP_P1_256588_457	NW_004518069.1	Scaffold3353	457	AA	GG	1940536248
SNP_P1_256589_3497	NW_004518069.1	Scaffold3353	3497	TT	CC	1940536250
SNP_P1_256590_3516	NW_004518069.1	Scaffold3353	3516	CC	TT	1940536252
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SNP_P1_256592_7218	NW_004518069.1	Scaffold3353	7218	TT	GG	1940536256
SNP_P1_256593_7276	NW_004518069.1	Scaffold3353	7276	TT	GG	1940536259
SNP_P1_256594_7307	NW_004518069.1	Scaffold3353	7307	AA	GG	1940536261
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SNP_P1_256616_2089	NW_004518073.1	Scaffold3357	2089	GG	TT	1940536303
SNP_P1_256617_2205	NW_004518073.1	Scaffold3357	2205	AA	CC	1940536305
SNP_P1_256618_2400	NW_004518073.1	Scaffold3357	2400	GG	AA	1940536307
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256628_450	NW_004518074.1	Scaffold3359	450	AA	CC	1940536328
SNP_P1_256629_536	NW_004518074.1	Scaffold3359	536	CC	TT	1940536330
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SNP_P1_256631_607	NW_004518074.1	Scaffold3359	607	TT	CC	1940536334
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256701_33671	NW_004518078.1	Scaffold3364	33671	AA	TT	1940536473
SNP_P1_256702_33674	NW_004518078.1	Scaffold3364	33674	AA	GG	1940536475
SNP_P1_256703_33679	NW_004518078.1	Scaffold3364	33679	GG	TT	1940536477
SNP_P1_256704_34127	NW_004518078.1	Scaffold3364	34127	AA	TT	1940536480
SNP_P1_256705_34141	NW_004518078.1	Scaffold3364	34141	GG	CC	1940536482
SNP_P1_256706_34230	NW_004518078.1	Scaffold3364	34230	TT	AA	1940536484
SNP_P1_256707_34537	NW_004518078.1	Scaffold3364	34537	CC	GG	1940536486
SNP_P1_256708_35077	NW_004518078.1	Scaffold3364	35077	AA	GG	1940536488
SNP_P1_256709_36001	NW_004518078.1	Scaffold3364	36001	GG	AA	1940536490
SNP_P1_256710_36322	NW_004518078.1	Scaffold3364	36322	AA	GG	1940536492
SNP_P1_256711_37634	NW_004518078.1	Scaffold3364	37634	GG	AA	1940536494

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256713_38131	NW_004518078.1	Scaffold3364	38131	AA	GG	1940536498
SNP_P1_256714_38176	NW_004518078.1	Scaffold3364	38176	AA	CC	1940536501
SNP_P1_256715_38334	NW_004518078.1	Scaffold3364	38334	AA	GG	1940536503
SNP_P1_256716_42777	NW_004518078.1	Scaffold3364	42777	CC	GG	1940536505
SNP_P1_256718_43978	NW_004518078.1	Scaffold3364	43978	AA	GG	1940536507
SNP_P1_256719_45212	NW_004518078.1	Scaffold3364	45212	TT	CC	1940536509
SNP_P1_256720_46200	NW_004518078.1	Scaffold3364	46200	AA	CC	1940536511
SNP_P1_256721_46962	NW_004518078.1	Scaffold3364	46962	AA	TT	1940536513
SNP_P1_256722_47637	NW_004518078.1	Scaffold3364	47637	TT	CC	1940536515
SNP_P1_256723_48341	NW_004518078.1	Scaffold3364	48341	GG	AA	1940536517
SNP_P1_256724_48945	NW_004518078.1	Scaffold3364	48945	TT	CC	1940536519
SNP_P1_256725_49882	NW_004518078.1	Scaffold3364	49882	TT	GG	1940536522
SNP_P1_256726_50074	NW_004518078.1	Scaffold3364	50074	TT	CC	1940536524
SNP_P1_256727_50106	NW_004518078.1	Scaffold3364	50106	CC	TT	1940536526
SNP_P1_256728_50107	NW_004518078.1	Scaffold3364	50107	GG	AA	1940536528
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SNP_P1_256733_51466	NW_004518078.1	Scaffold3364	51466	GG	CC	1940536538
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SNP_P1_256735_2597	NW_004518080.1	Scaffold3368	2597	AA	CC	1940536543
SNP_P1_256736_2680	NW_004518080.1	Scaffold3368	2680	TT	AA	1940536545
SNP_P1_256737_2712	NW_004518080.1	Scaffold3368	2712	AA	TT	1940536547
SNP_P1_256738_2988	NW_004518080.1	Scaffold3368	2988	TT	AA	1940536549
SNP_P1_256739_3046	NW_004518080.1	Scaffold3368	3046	GG	CC	1940536551
SNP_P1_256740_3060	NW_004518080.1	Scaffold3368	3060	CC	TT	1940536553
SNP_P1_256741_1234	NW_004518081.1	Scaffold3369	1234	TT	CC	1940536555
SNP_P1_256742_16845	NW_004518081.1	Scaffold3369	16845	CC	AA	1940536557
SNP_P1_256743_16874	NW_004518081.1	Scaffold3369	16874	AA	GG	1940536559
SNP_P1_256744_17132	NW_004518081.1	Scaffold3369	17132	CC	TT	1940536562
SNP_P1_256746_17329	NW_004518081.1	Scaffold3369	17329	GG	AA	1940536564
SNP_P1_256747_17686	NW_004518081.1	Scaffold3369	17686	TT	AA	1940536566
SNP_P1_256748_17748	NW_004518081.1	Scaffold3369	17748	TT	CC	1940536568
SNP_P1_256749_17845	NW_004518081.1	Scaffold3369	17845	AA	CC	1940536570
SNP_P1_256750_17857	NW_004518081.1	Scaffold3369	17857	AA	GG	1940536572
SNP_P1_256751_18098	NW_004518081.1	Scaffold3369	18098	TT	CC	1940536574
SNP_P1_256752_18224	NW_004518081.1	Scaffold3369	18224	CC	TT	1940536576
SNP_P1_256753_18555	NW_004518081.1	Scaffold3369	18555	TT	CC	1940536578
SNP_P1_256755_19339	NW_004518081.1	Scaffold3369	19339	GG	TT	1940536581
SNP_P1_256756_20390	NW_004518081.1	Scaffold3369	20390	GG	AA	1940536583

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256758_20758	NW_004518081.1	Scaffold3369	20758	AA	GG	1940536587
SNP_P1_256759_20912	NW_004518081.1	Scaffold3369	20912	CC	TT	1940536589
SNP_P1_256760_20962	NW_004518081.1	Scaffold3369	20962	TT	GG	1940536591
SNP_P1_256761_21020	NW_004518081.1	Scaffold3369	21020	CC	TT	1940536593
SNP_P1_256763_22179	NW_004518081.1	Scaffold3369	22179	TT	CC	1940536595
SNP_P1_256764_22261	NW_004518081.1	Scaffold3369	22261	GG	AA	1940536597
SNP_P1_256766_19415	NW_004518082.1	Scaffold3371	19415	GG	AA	1940536599
SNP_P1_256767_19741	NW_004518082.1	Scaffold3371	19741	AA	GG	1940536602
SNP_P1_256768_19778	NW_004518082.1	Scaffold3371	19778	TT	AA	1940536604
SNP_P1_256770_26994	NW_004518082.1	Scaffold3371	26994	TT	CC	1940536606
SNP_P1_256771_27028	NW_004518082.1	Scaffold3371	27028	GG	AA	1940536608
SNP_P1_256772_27906	NW_004518082.1	Scaffold3371	27906	AA	CC	1940536610
SNP_P1_256773_27925	NW_004518082.1	Scaffold3371	27925	AA	GG	1940536612
SNP_P1_256774_33641	NW_004518082.1	Scaffold3371	33641	AA	GG	1940536614
SNP_P1_256775_33701	NW_004518082.1	Scaffold3371	33701	AA	CC	1940536616
SNP_P1_256776_33812	NW_004518082.1	Scaffold3371	33812	CC	TT	1940536618
SNP_P1_256777_33839	NW_004518082.1	Scaffold3371	33839	GG	CC	1940536621
SNP_P1_256779_33907	NW_004518082.1	Scaffold3371	33907	GG	TT	1940536623
SNP_P1_256780_33909	NW_004518082.1	Scaffold3371	33909	CC	TT	1940536625
SNP_P1_256781_33910	NW_004518082.1	Scaffold3371	33910	AA	GG	1940536627
SNP_P1_256782_33922	NW_004518082.1	Scaffold3371	33922	TT	CC	1940536629
SNP_P1_256783_33926	NW_004518082.1	Scaffold3371	33926	AA	GG	1940536631
SNP_P1_256784_33945	NW_004518082.1	Scaffold3371	33945	CC	AA	1940536633
SNP_P1_256785_34156	NW_004518082.1	Scaffold3371	34156	GG	AA	1940536635
SNP_P1_256786_34167	NW_004518082.1	Scaffold3371	34167	TT	AA	1940536637
SNP_P1_256787_34205	NW_004518082.1	Scaffold3371	34205	TT	CC	1940536640
SNP_P1_256788_34207	NW_004518082.1	Scaffold3371	34207	TT	CC	1940536642
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SNP_P1_256790_34253	NW_004518082.1	Scaffold3371	34253	GG	CC	1940536646
SNP_P1_256791_35393	NW_004518082.1	Scaffold3371	35393	CC	TT	1940536648
SNP_P1_256792_35432	NW_004518082.1	Scaffold3371	35432	AA	GG	1940536650
SNP_P1_256793_35434	NW_004518082.1	Scaffold3371	35434	AA	CC	1940536652
SNP_P1_256794_35447	NW_004518082.1	Scaffold3371	35447	GG	CC	1940536654
SNP_P1_256795_1085	NW_004518085.1	Scaffold3377	1085	TT	GG	1940536656
SNP_P1_256796_1914	NW_004518088.1	Scaffold3380	1914	TT	CC	1940536658
SNP_P1_256797_1945	NW_004518088.1	Scaffold3380	1945	AA	GG	1940536661
SNP_P1_256798_1984	NW_004518088.1	Scaffold3380	1984	AA	CC	1940536663
SNP_P1_256799_2026	NW_004518088.1	Scaffold3380	2026	AA	GG	1940536665
SNP_P1_256800_2309	NW_004518088.1	Scaffold3380	2309	TT	CC	1940536667
SNP_P1_256801_2310	NW_004518088.1	Scaffold3380	2310	TT	CC	1940536669
SNP_P1_256802_2313	NW_004518088.1	Scaffold3380	2313	AA	GG	1940536671

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256804_2392	NW_004518088.1	Scaffold3380	2392	AA	GG	1940536675
SNP_P1_256805_2406	NW_004518088.1	Scaffold3380	2406	GG	AA	1940536678
SNP_P1_256806_2426	NW_004518088.1	Scaffold3380	2426	TT	CC	1940536680
SNP_P1_256807_2439	NW_004518088.1	Scaffold3380	2439	CC	TT	1940536682
SNP_P1_256808_2509	NW_004518088.1	Scaffold3380	2509	AA	GG	1940536684
SNP_P1_256809_2516	NW_004518088.1	Scaffold3380	2516	AA	CC	1940536686
SNP_P1_256810_2591	NW_004518088.1	Scaffold3380	2591	AA	CC	1940536688
SNP_P1_256811_3904	NW_004518088.1	Scaffold3380	3904	AA	GG	1940536690
SNP_P1_256812_3920	NW_004518088.1	Scaffold3380	3920	TT	CC	1940536692
SNP_P1_256813_3933	NW_004518088.1	Scaffold3380	3933	AA	GG	1940536694
SNP_P1_256814_4005	NW_004518088.1	Scaffold3380	4005	CC	TT	1940536696
SNP_P1_256815_4010	NW_004518088.1	Scaffold3380	4010	CC	TT	1940536699
SNP_P1_256816_4123	NW_004518088.1	Scaffold3380	4123	GG	AA	1940536701
SNP_P1_256817_4226	NW_004518088.1	Scaffold3380	4226	GG	TT	1940536703
SNP_P1_256818_4259	NW_004518088.1	Scaffold3380	4259	GG	TT	1940536705
SNP_P1_256819_4330	NW_004518088.1	Scaffold3380	4330	CC	TT	1940536707
SNP_P1_256820_4334	NW_004518088.1	Scaffold3380	4334	AA	GG	1940536709
SNP_P1_256821_4375	NW_004518088.1	Scaffold3380	4375	CC	TT	1940536711
SNP_P1_256822_4901	NW_004518088.1	Scaffold3380	4901	GG	TT	1940536713
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SNP_P1_256824_5201	NW_004518088.1	Scaffold3380	5201	TT	AA	1940536717
SNP_P1_256825_649	NW_004518089.1	Scaffold3381	649	CC	AA	1940536720
SNP_P1_256826_850	NW_004518089.1	Scaffold3381	850	TT	AA	1940536722
SNP_P1_256827_1022	NW_004518089.1	Scaffold3381	1022	AA	GG	1940536724
SNP_P1_256828_1025	NW_004518089.1	Scaffold3381	1025	TT	AA	1940536726
SNP_P1_256829_1093	NW_004518089.1	Scaffold3381	1093	TT	CC	1940536728
SNP_P1_256830_1121	NW_004518089.1	Scaffold3381	1121	TT	GG	1940536730
SNP_P1_256831_1181	NW_004518089.1	Scaffold3381	1181	TT	CC	1940536732
SNP_P1_256832_1353	NW_004518089.1	Scaffold3381	1353	TT	AA	1940536734
SNP_P1_256833_1544	NW_004518089.1	Scaffold3381	1544	CC	GG	1940536736
SNP_P1_256834_1576	NW_004518089.1	Scaffold3381	1576	TT	AA	1940536738
SNP_P1_256835_1662	NW_004518089.1	Scaffold3381	1662	CC	AA	1940536741
SNP_P1_256836_1663	NW_004518089.1	Scaffold3381	1663	GG	AA	1940536743
SNP_P1_256837_1667	NW_004518089.1	Scaffold3381	1667	AA	TT	1940536745
SNP_P1_256838_1669	NW_004518089.1	Scaffold3381	1669	GG	TT	1940536747
SNP_P1_256839_1684	NW_004518089.1	Scaffold3381	1684	CC	TT	1940536749
SNP_P1_256840_1685	NW_004518089.1	Scaffold3381	1685	CC	TT	1940536751
SNP_P1_256841_3242	NW_004518092.1	Scaffold3384	3242	AA	GG	1940536753
SNP_P1_256842_1165	NW_004518093.1	Scaffold3385	1165	CC	TT	1940536755
SNP_P1_256843_1182	NW_004518093.1	Scaffold3385	1182	TT	AA	1940536757
SNP_P1_256844_1184	NW_004518093.1	Scaffold3385	1184	AA	GG	1940536759

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256846_6914	NW_004518093.1	Scaffold3385	6914	CC	GG	1940536764
SNP_P1_256847_6923	NW_004518093.1	Scaffold3385	6923	AA	CC	1940536766
SNP_P1_256848_224	NW_004518095.1	Scaffold3389	224	GG	TT	1940536768
SNP_P1_256849_383	NW_004518098.1	Scaffold3392	383	TT	CC	1940536770
SNP_P1_256850_565	NW_004518098.1	Scaffold3392	565	AA	TT	1940536772
SNP_P1_256851_602	NW_004518098.1	Scaffold3392	602	CC	TT	1940536774
SNP_P1_256853_714	NW_004518098.1	Scaffold3392	714	AA	TT	1940536776
SNP_P1_256854_830	NW_004518098.1	Scaffold3392	830	AA	GG	1940536778
SNP_P1_256855_1013	NW_004518098.1	Scaffold3392	1013	CC	AA	1940536780
SNP_P1_256856_797	NW_004518102.1	Scaffold3396	797	GG	AA	1940536783
SNP_P1_256857_1635	NW_004518102.1	Scaffold3396	1635	GG	AA	1940536785
SNP_P1_256858_2628	NW_004518102.1	Scaffold3396	2628	AA	TT	1940536787
SNP_P1_256859_3885	NW_004518102.1	Scaffold3396	3885	AA	CC	1940536789
SNP_P1_256860_15130	NW_004518102.1	Scaffold3396	15130	CC	TT	1940536791
SNP_P1_256861_15144	NW_004518102.1	Scaffold3396	15144	TT	CC	1940536793
SNP_P1_256862_15181	NW_004518102.1	Scaffold3396	15181	GG	TT	1940536795
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SNP_P1_256868_20090	NW_004518102.1	Scaffold3396	20090	GG	AA	1940536808
SNP_P1_256869_20093	NW_004518102.1	Scaffold3396	20093	AA	CC	1940536810
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SNP_P1_256875_21378	NW_004518102.1	Scaffold3396	21378	GG	TT	1940536823
SNP_P1_256876_21464	NW_004518102.1	Scaffold3396	21464	TT	CC	1940536825
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SNP_P1_256879_21963	NW_004518102.1	Scaffold3396	21963	CC	TT	1940536831
SNP_P1_256880_22007	NW_004518102.1	Scaffold3396	22007	CC	TT	1940536833
SNP_P1_256882_4549	NW_004518103.1	Scaffold3397	4549	GG	AA	1940536835
SNP_P1_256883_4551	NW_004518103.1	Scaffold3397	4551	TT	GG	1940536837
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SNP_P1_256885_8084	NW_004518103.1	Scaffold3397	8084	AA	GG	1940536842
SNP_P1_256886_12835	NW_004518103.1	Scaffold3397	12835	CC	TT	1940536844
SNP_P1_256888_18163	NW_004518103.1	Scaffold3397	18163	TT	CC	1940536846
SNP_P1_256889_26862	NW_004518103.1	Scaffold3397	26862	TT	CC	1940536848

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256891_28303	NW_004518103.1	Scaffold3397	28303	GG	TT	1940536852
SNP_P1_256892_28746	NW_004518103.1	Scaffold3397	28746	TT	CC	1940536854
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SNP_P1_256894_29733	NW_004518103.1	Scaffold3397	29733	TT	GG	1940536858
SNP_P1_256895_31230	NW_004518103.1	Scaffold3397	31230	TT	CC	1940536861
SNP_P1_256896_31872	NW_004518103.1	Scaffold3397	31872	GG	AA	1940536863
SNP_P1_256897_36418	NW_004518103.1	Scaffold3397	36418	GG	AA	1940536865
SNP_P1_256898_40108	NW_004518103.1	Scaffold3397	40108	CC	TT	1940536867
SNP_P1_256899_41453	NW_004518103.1	Scaffold3397	41453	GG	AA	1940536869
SNP_P1_256900_43103	NW_004518103.1	Scaffold3397	43103	TT	CC	1940536871
SNP_P1_256901_43112	NW_004518103.1	Scaffold3397	43112	GG	AA	1940536873
SNP_P1_256902_43306	NW_004518103.1	Scaffold3397	43306	TT	AA	1940536875
SNP_P1_256903_43363	NW_004518103.1	Scaffold3397	43363	TT	CC	1940536877
SNP_P1_256904_50699	NW_004518103.1	Scaffold3397	50699	TT	CC	1940536879
SNP_P1_256905_50899	NW_004518103.1	Scaffold3397	50899	AA	TT	1940536882
SNP_P1_256906_55196	NW_004518103.1	Scaffold3397	55196	GG	AA	1940536884
SNP_P1_256907_56546	NW_004518103.1	Scaffold3397	56546	TT	CC	1940536886
SNP_P1_256908_58779	NW_004518103.1	Scaffold3397	58779	AA	GG	1940536888
SNP_P1_256910_62768	NW_004518103.1	Scaffold3397	62768	GG	AA	1940536890
SNP_P1_256912_65978	NW_004518103.1	Scaffold3397	65978	AA	GG	1940536892
SNP_P1_256913_66044	NW_004518103.1	Scaffold3397	66044	GG	AA	1940536894
SNP_P1_256914_69088	NW_004518103.1	Scaffold3397	69088	GG	TT	1940536896
SNP_P1_256915_69479	NW_004518103.1	Scaffold3397	69479	CC	TT	1940536898
SNP_P1_256916_69884	NW_004518103.1	Scaffold3397	69884	AA	GG	1940536901
SNP_P1_256917_72649	NW_004518103.1	Scaffold3397	72649	GG	TT	1940536903
SNP_P1_256918_72800	NW_004518103.1	Scaffold3397	72800	TT	CC	1940536905
SNP_P1_256920_74877	NW_004518103.1	Scaffold3397	74877	TT	GG	1940536907
SNP_P1_256921_78031	NW_004518103.1	Scaffold3397	78031	GG	TT	1940536909
SNP_P1_256922_80199	NW_004518103.1	Scaffold3397	80199	TT	CC	1940536911
SNP_P1_256923_83529	NW_004518103.1	Scaffold3397	83529	TT	CC	1940536913
SNP_P1_256926_88839	NW_004518103.1	Scaffold3397	88839	AA	TT	1940536915
SNP_P1_256927_92939	NW_004518103.1	Scaffold3397	92939	AA	TT	1940536917
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SNP_P1_256930_97807	NW_004518103.1	Scaffold3397	97807	CC	AA	1940536924
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SNP_P1_256932_107163	NW_004518103.1	Scaffold3397	107163	AA	TT	1940536928
SNP_P1_256933_107347	NW_004518103.1	Scaffold3397	107347	TT	CC	1940536930
SNP_P1_256935_107496	NW_004518103.1	Scaffold3397	107496	TT	CC	1940536932
SNP_P1_256936_107768	NW_004518103.1	Scaffold3397	107768	TT	GG	1940536934
SNP_P1_256937_107780	NW_004518103.1	Scaffold3397	107780	GG	TT	1940536936

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256939_108564	NW_004518103.1	Scaffold3397	108564	AA	GG	1940536941
SNP_P1_256940_951	NW_004518105.1	Scaffold3403	951	TT	AA	1940536943
SNP_P1_256941_1294	NW_004518105.1	Scaffold3403	1294	CC	AA	1940536945
SNP_P1_256942_1749	NW_004518105.1	Scaffold3403	1749	CC	AA	1940536947
SNP_P1_256943_1099	NW_004518106.1	Scaffold3404	1099	CC	TT	1940536949
SNP_P1_256945_1297	NW_004518106.1	Scaffold3404	1297	GG	AA	1940536951
SNP_P1_256946_1705	NW_004518106.1	Scaffold3404	1705	TT	CC	1940536953
SNP_P1_256947_1811	NW_004518106.1	Scaffold3404	1811	CC	AA	1940536955
SNP_P1_256948_1863	NW_004518106.1	Scaffold3404	1863	CC	TT	1940536957
SNP_P1_256949_1869	NW_004518106.1	Scaffold3404	1869	GG	TT	1940536960
SNP_P1_256950_1893	NW_004518106.1	Scaffold3404	1893	GG	AA	1940536962
SNP_P1_256951_1933	NW_004518106.1	Scaffold3404	1933	TT	GG	1940536964
SNP_P1_256952_2035	NW_004518106.1	Scaffold3404	2035	CC	AA	1940536966
SNP_P1_256953_2064	NW_004518106.1	Scaffold3404	2064	TT	CC	1940536968
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SNP_P1_256955_2160	NW_004518106.1	Scaffold3404	2160	GG	TT	1940536972
SNP_P1_256956_2290	NW_004518106.1	Scaffold3404	2290	AA	GG	1940536974
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SNP_P1_256959_1359	NW_004518108.1	Scaffold3406	1359	AA	TT	1940536978
SNP_P1_256961_1852	NW_004518108.1	Scaffold3406	1852	TT	AA	1940536981
SNP_P1_256962_1895	NW_004518108.1	Scaffold3406	1895	CC	TT	1940536983
SNP_P1_256964_463	NW_004518109.1	Scaffold3407	463	GG	AA	1940536985
SNP_P1_256965_278	NW_004518111.1	Scaffold3410	278	GG	CC	1940536987
SNP_P1_256966_521	NW_004518111.1	Scaffold3410	521	AA	TT	1940536989
SNP_P1_256967_538	NW_004518111.1	Scaffold3410	538	CC	TT	1940536991
SNP_P1_256968_3479	NW_004518112.1	Scaffold3411	3479	TT	GG	1940536993
SNP_P1_256969_3820	NW_004518112.1	Scaffold3411	3820	TT	CC	1940536995
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SNP_P1_256973_6241	NW_004518112.1	Scaffold3411	6241	AA	CC	1940537004
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SNP_P1_256976_689	NW_004518113.1	Scaffold3412	689	AA	TT	1940537010
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SNP_P1_256978_699	NW_004518113.1	Scaffold3412	699	AA	GG	1940537014
SNP_P1_256979_707	NW_004518113.1	Scaffold3412	707	TT	CC	1940537016
SNP_P1_256980_752	NW_004518113.1	Scaffold3412	752	GG	TT	1940537018
SNP_P1_256981_776	NW_004518113.1	Scaffold3412	776	CC	GG	1940537021
SNP_P1_256982_973	NW_004518113.1	Scaffold3412	973	CC	AA	1940537023
SNP_P1_256983_23506	NW_004518119.1	Scaffold3422	23506	TT	CC	1940537025

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_256986_55939	NW_004518119.1	Scaffold3422	55939	CC	GG	1940537031
SNP_P1_256988_103191	NW_004518119.1	Scaffold3422	103191	TT	GG	1940537033
SNP_P1_256990_82	NW_004518120.1	Scaffold3423	82	TT	GG	1940537035
SNP_P1_256991_196	NW_004518120.1	Scaffold3423	196	GG	TT	1940537037
SNP_P1_256992_316	NW_004518120.1	Scaffold3423	316	CC	AA	1940537039
SNP_P1_256993_343	NW_004518120.1	Scaffold3423	343	CC	TT	1940537042
SNP_P1_256994_356	NW_004518120.1	Scaffold3423	356	CC	TT	1940537044
SNP_P1_256995_378	NW_004518120.1	Scaffold3423	378	AA	CC	1940537046
SNP_P1_256996_399	NW_004518120.1	Scaffold3423	399	TT	CC	1940537048
SNP_P1_256997_475	NW_004518120.1	Scaffold3423	475	CC	TT	1940537050
SNP_P1_256998_479	NW_004518120.1	Scaffold3423	479	GG	CC	1940537052
SNP_P1_256999_482	NW_004518120.1	Scaffold3423	482	AA	TT	1940537054
SNP_P1_257000_493	NW_004518120.1	Scaffold3423	493	CC	TT	1940537056
SNP_P1_257001_503	NW_004518120.1	Scaffold3423	503	CC	GG	1940537058
SNP_P1_257002_523	NW_004518120.1	Scaffold3423	523	GG	AA	1940537060
SNP_P1_257003_530	NW_004518120.1	Scaffold3423	530	AA	GG	1940537063
SNP_P1_257004_561	NW_004518120.1	Scaffold3423	561	TT	CC	1940537065
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SNP_P1_257006_571	NW_004518120.1	Scaffold3423	571	TT	AA	1940537069
SNP_P1_257007_682	NW_004518120.1	Scaffold3423	682	TT	CC	1940537071
SNP_P1_257008_1022	NW_004518120.1	Scaffold3423	1022	AA	TT	1940537073
SNP_P1_257009_1040	NW_004518120.1	Scaffold3423	1040	AA	GG	1940537075
SNP_P1_257010_1041	NW_004518120.1	Scaffold3423	1041	AA	TT	1940537077
SNP_P1_257011_1164	NW_004518120.1	Scaffold3423	1164	TT	AA	1940537079
SNP_P1_257012_232	NW_004518121.1	Scaffold3424	232	GG	AA	1940537081
SNP_P1_257013_558	NW_004518121.1	Scaffold3424	558	AA	TT	1940537084
SNP_P1_257014_567	NW_004518121.1	Scaffold3424	567	AA	CC	1940537086
SNP_P1_257015_760	NW_004518121.1	Scaffold3424	760	TT	GG	1940537088
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SNP_P1_257017_199	NW_004518122.1	Scaffold3426	199	AA	GG	1940537092
SNP_P1_257018_323	NW_004518122.1	Scaffold3426	323	AA	GG	1940537094
SNP_P1_257019_372	NW_004518122.1	Scaffold3426	372	CC	AA	1940537096
SNP_P1_257020_405	NW_004518122.1	Scaffold3426	405	AA	GG	1940537098
SNP_P1_257021_412	NW_004518122.1	Scaffold3426	412	AA	GG	1940537100
SNP_P1_257022_422	NW_004518122.1	Scaffold3426	422	AA	TT	1940537103
SNP_P1_257023_424	NW_004518122.1	Scaffold3426	424	AA	TT	1940537105
SNP_P1_257024_509	NW_004518122.1	Scaffold3426	509	TT	CC	1940537107
SNP_P1_257025_425	NW_004518125.1	Scaffold3429	425	TT	CC	1940537109
SNP_P1_257026_1355	NW_004518125.1	Scaffold3429	1355	AA	CC	1940537111
SNP_P1_257027_1459	NW_004518125.1	Scaffold3429	1459	GG	CC	1940537113

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257030_1476	NW_004518125.1	Scaffold3429	1476	AA	CC	1940537119
SNP_P1_257031_10356	NW_004518125.1	Scaffold3429	10356	GG	CC	1940537121
SNP_P1_257032_10372	NW_004518125.1	Scaffold3429	10372	CC	TT	1940537124
SNP_P1_257033_10862	NW_004518125.1	Scaffold3429	10862	GG	TT	1940537126
SNP_P1_257034_11065	NW_004518125.1	Scaffold3429	11065	AA	GG	1940537128
SNP_P1_257035_11224	NW_004518125.1	Scaffold3429	11224	AA	GG	1940537130
SNP_P1_257036_359	NW_004518127.1	Scaffold3432	359	GG	TT	1940537132
SNP_P1_257037_469	NW_004518127.1	Scaffold3432	469	GG	AA	1940537134
SNP_P1_257038_4050	NW_004518127.1	Scaffold3432	4050	AA	CC	1940537136
SNP_P1_257040_9016	NW_004518127.1	Scaffold3432	9016	TT	AA	1940537138
SNP_P1_257042_14149	NW_004518127.1	Scaffold3432	14149	AA	CC	1940537140
SNP_P1_257043_23889	NW_004518127.1	Scaffold3432	23889	CC	AA	1940537142
SNP_P1_257045_24032	NW_004518127.1	Scaffold3432	24032	AA	GG	1940537145
SNP_P1_257046_24059	NW_004518127.1	Scaffold3432	24059	GG	TT	1940537147
SNP_P1_257047_24352	NW_004518127.1	Scaffold3432	24352	AA	TT	1940537149
SNP_P1_257048_24365	NW_004518127.1	Scaffold3432	24365	CC	TT	1940537151
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SNP_P1_257051_25071	NW_004518127.1	Scaffold3432	25071	TT	CC	1940537157
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SNP_P1_257054_25665	NW_004518127.1	Scaffold3432	25665	CC	TT	1940537164
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SNP_P1_257056_29704	NW_004518127.1	Scaffold3432	29704	TT	AA	1940537168
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SNP_P1_257062_30091	NW_004518127.1	Scaffold3432	30091	GG	AA	1940537180
SNP_P1_257063_30135	NW_004518127.1	Scaffold3432	30135	AA	GG	1940537183
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SNP_P1_257067_35604	NW_004518127.1	Scaffold3432	35604	CC	AA	1940537191
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SNP_P1_257069_35684	NW_004518127.1	Scaffold3432	35684	AA	TT	1940537195
SNP_P1_257070_35708	NW_004518127.1	Scaffold3432	35708	CC	TT	1940537197
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SNP_P1_257072_35716	NW_004518127.1	Scaffold3432	35716	TT	AA	1940537201

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257076_61285	NW_004518127.1	Scaffold3432	61285	TT	GG	1940537210
SNP_P1_257077_67982	NW_004518127.1	Scaffold3432	67982	TT	CC	1940537212
SNP_P1_257078_68054	NW_004518127.1	Scaffold3432	68054	CC	TT	1940537214
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SNP_P1_257081_74085	NW_004518127.1	Scaffold3432	74085	GG	AA	1940537220
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SNP_P1_257116_5733	NW_004518130.1	Scaffold3435	5733	AA	TT	1940537288
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257130_33257	NW_004518130.1	Scaffold3435	33257	AA	GG	1940537317
SNP_P1_257131_33320	NW_004518130.1	Scaffold3435	33320	CC	TT	1940537319
SNP_P1_257132_33335	NW_004518130.1	Scaffold3435	33335	CC	TT	1940537322
SNP_P1_257133_88	NW_004518131.1	Scaffold3436	88	CC	AA	1940537324
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SNP_P1_257137_1645	NW_004518131.1	Scaffold3436	1645	CC	TT	1940537332
SNP_P1_257138_7221	NW_004518131.1	Scaffold3436	7221	AA	TT	1940537334
SNP_P1_257139_7378	NW_004518131.1	Scaffold3436	7378	GG	TT	1940537336
SNP_P1_257140_7404	NW_004518131.1	Scaffold3436	7404	CC	GG	1940537338
SNP_P1_257141_8881	NW_004518131.1	Scaffold3436	8881	TT	AA	1940537341
SNP_P1_257144_9569	NW_004518131.1	Scaffold3436	9569	TT	GG	1940537343
SNP_P1_257145_9668	NW_004518131.1	Scaffold3436	9668	AA	TT	1940537345
SNP_P1_257147_9972	NW_004518131.1	Scaffold3436	9972	TT	AA	1940537347
SNP_P1_257149_10535	NW_004518131.1	Scaffold3436	10535	TT	CC	1940537349
SNP_P1_257150_10884	NW_004518131.1	Scaffold3436	10884	GG	AA	1940537351
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SNP_P1_257152_11103	NW_004518131.1	Scaffold3436	11103	TT	CC	1940537355
SNP_P1_257153_12162	NW_004518131.1	Scaffold3436	12162	GG	CC	1940537357
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SNP_P1_257159_13182	NW_004518131.1	Scaffold3436	13182	GG	AA	1940537370
SNP_P1_257160_13195	NW_004518131.1	Scaffold3436	13195	GG	TT	1940537372
SNP_P1_257161_13208	NW_004518131.1	Scaffold3436	13208	AA	GG	1940537374
SNP_P1_257162_13213	NW_004518131.1	Scaffold3436	13213	GG	AA	1940537376
SNP_P1_257163_13263	NW_004518131.1	Scaffold3436	13263	CC	AA	1940537378

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257167_13523	NW_004518131.1	Scaffold3436	13523	GG	CC	1940537387
SNP_P1_257168_13563	NW_004518131.1	Scaffold3436	13563	TT	AA	1940537389
SNP_P1_257169_13773	NW_004518131.1	Scaffold3436	13773	CC	TT	1940537391
SNP_P1_257171_13788	NW_004518131.1	Scaffold3436	13788	GG	TT	1940537393
SNP_P1_257172_13852	NW_004518131.1	Scaffold3436	13852	CC	TT	1940537395
SNP_P1_257173_662	NW_004518132.1	Scaffold3437	662	AA	CC	1940537397
SNP_P1_257174_663	NW_004518132.1	Scaffold3437	663	GG	CC	1940537399
SNP_P1_257175_1394	NW_004518132.1	Scaffold3437	1394	GG	TT	1940537402
SNP_P1_257176_1625	NW_004518132.1	Scaffold3437	1625	AA	GG	1940537404
SNP_P1_257177_1629	NW_004518132.1	Scaffold3437	1629	AA	TT	1940537406
SNP_P1_257178_1670	NW_004518132.1	Scaffold3437	1670	AA	TT	1940537408
SNP_P1_257179_2549	NW_004518133.1	Scaffold3438	2549	TT	AA	1940537410
SNP_P1_257180_2667	NW_004518133.1	Scaffold3438	2667	GG	AA	1940537412
SNP_P1_257181_2947	NW_004518133.1	Scaffold3438	2947	AA	TT	1940537414
SNP_P1_257182_2961	NW_004518133.1	Scaffold3438	2961	AA	TT	1940537416
SNP_P1_257184_4280	NW_004518133.1	Scaffold3438	4280	AA	CC	1940537418
SNP_P1_257185_9363	NW_004518133.1	Scaffold3438	9363	CC	TT	1940537421
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SNP_P1_257187_9956	NW_004518133.1	Scaffold3438	9956	TT	CC	1940537425
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SNP_P1_257191_11943	NW_004518133.1	Scaffold3438	11943	CC	AA	1940537433
SNP_P1_257192_12038	NW_004518133.1	Scaffold3438	12038	TT	AA	1940537435
SNP_P1_257193_12121	NW_004518133.1	Scaffold3438	12121	CC	AA	1940537437
SNP_P1_257194_12193	NW_004518133.1	Scaffold3438	12193	CC	TT	1940537439
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SNP_P1_257199_12441	NW_004518133.1	Scaffold3438	12441	CC	TT	1940537450
SNP_P1_257200_12594	NW_004518133.1	Scaffold3438	12594	TT	GG	1940537452
SNP_P1_257201_12596	NW_004518133.1	Scaffold3438	12596	TT	AA	1940537454
SNP_P1_257202_12609	NW_004518133.1	Scaffold3438	12609	TT	AA	1940537456
SNP_P1_257203_12611	NW_004518133.1	Scaffold3438	12611	CC	AA	1940537458
SNP_P1_257204_12636	NW_004518133.1	Scaffold3438	12636	CC	TT	1940537461
SNP_P1_257205_12645	NW_004518133.1	Scaffold3438	12645	TT	CC	1940537463
SNP_P1_257207_12698	NW_004518133.1	Scaffold3438	12698	TT	CC	1940537465
SNP_P1_257208_12705	NW_004518133.1	Scaffold3438	12705	CC	AA	1940537467

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257211_12916	NW_004518133.1	Scaffold3438	12916	GG	AA	1940537473
SNP_P1_257212_12947	NW_004518133.1	Scaffold3438	12947	TT	AA	1940537475
SNP_P1_257213_12960	NW_004518133.1	Scaffold3438	12960	CC	TT	1940537477
SNP_P1_257214_13107	NW_004518133.1	Scaffold3438	13107	CC	TT	1940537480
SNP_P1_257215_13535	NW_004518133.1	Scaffold3438	13535	TT	CC	1940537482
SNP_P1_257216_18903	NW_004518133.1	Scaffold3438	18903	TT	CC	1940537484
SNP_P1_257217_18932	NW_004518133.1	Scaffold3438	18932	CC	TT	1940537486
SNP_P1_257218_22501	NW_004518133.1	Scaffold3438	22501	GG	AA	1940537488
SNP_P1_257219_22537	NW_004518133.1	Scaffold3438	22537	TT	AA	1940537490
SNP_P1_257221_22711	NW_004518133.1	Scaffold3438	22711	AA	GG	1940537492
SNP_P1_257222_22761	NW_004518133.1	Scaffold3438	22761	CC	TT	1940537494
SNP_P1_257223_22790	NW_004518133.1	Scaffold3438	22790	GG	TT	1940537496
SNP_P1_257224_22826	NW_004518133.1	Scaffold3438	22826	TT	CC	1940537498
SNP_P1_257225_22851	NW_004518133.1	Scaffold3438	22851	GG	AA	1940537501
SNP_P1_257226_22856	NW_004518133.1	Scaffold3438	22856	TT	GG	1940537503
SNP_P1_257227_22966	NW_004518133.1	Scaffold3438	22966	GG	AA	1940537505
SNP_P1_257228_22997	NW_004518133.1	Scaffold3438	22997	CC	TT	1940537507
SNP_P1_257229_22998	NW_004518133.1	Scaffold3438	22998	AA	GG	1940537509
SNP_P1_257230_23007	NW_004518133.1	Scaffold3438	23007	AA	CC	1940537511
SNP_P1_257231_23067	NW_004518133.1	Scaffold3438	23067	AA	GG	1940537513
SNP_P1_257232_23140	NW_004518133.1	Scaffold3438	23140	GG	AA	1940537515
SNP_P1_257233_1338	NW_004518134.1	Scaffold3439	1338	TT	GG	1940537517
SNP_P1_257234_1341	NW_004518134.1	Scaffold3439	1341	CC	TT	1940537520
SNP_P1_257235_1696	NW_004518134.1	Scaffold3439	1696	TT	CC	1940537522
SNP_P1_257236_1699	NW_004518134.1	Scaffold3439	1699	AA	TT	1940537524
SNP_P1_257237_1559	NW_004518135.1	Scaffold3441	1559	CC	AA	1940537526
SNP_P1_257238_1567	NW_004518135.1	Scaffold3441	1567	TT	CC	1940537528
SNP_P1_257239_11303	NW_004518138.1	Scaffold3444	11303	GG	TT	1940537530
SNP_P1_257240_11719	NW_004518141.1	Scaffold3447	11719	TT	CC	1940537532
SNP_P1_257241_17114	NW_004518141.1	Scaffold3447	17114	TT	AA	1940537534
SNP_P1_257242_17152	NW_004518141.1	Scaffold3447	17152	GG	AA	1940537536
SNP_P1_257243_21262	NW_004518141.1	Scaffold3447	21262	AA	GG	1940537538
SNP_P1_257244_21285	NW_004518141.1	Scaffold3447	21285	TT	CC	1940537541
SNP_P1_257245_21318	NW_004518141.1	Scaffold3447	21318	AA	CC	1940537543
SNP_P1_257246_21398	NW_004518141.1	Scaffold3447	21398	CC	AA	1940537545
SNP_P1_257247_22259	NW_004518141.1	Scaffold3447	22259	TT	CC	1940537547
SNP_P1_257248_22379	NW_004518141.1	Scaffold3447	22379	CC	TT	1940537549
SNP_P1_257249_22414	NW_004518141.1	Scaffold3447	22414	CC	TT	1940537551
SNP_P1_257250_30265	NW_004518141.1	Scaffold3447	30265	GG	AA	1940537553
SNP_P1_257251_30297	NW_004518141.1	Scaffold3447	30297	AA	GG	1940537555

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257254_34589	NW_004518141.1	Scaffold3447	34589	AA	TT	1940537560
SNP_P1_257256_4744	NW_004518142.1	Scaffold3448	4744	GG	AA	1940537562
SNP_P1_257257_4752	NW_004518142.1	Scaffold3448	4752	AA	CC	1940537564
SNP_P1_257258_4862	NW_004518142.1	Scaffold3448	4862	AA	GG	1940537566
SNP_P1_257259_5096	NW_004518142.1	Scaffold3448	5096	CC	TT	1940537568
SNP_P1_257260_5227	NW_004518142.1	Scaffold3448	5227	AA	CC	1940537570
SNP_P1_257261_5308	NW_004518142.1	Scaffold3448	5308	AA	GG	1940537572
SNP_P1_257262_5485	NW_004518142.1	Scaffold3448	5485	GG	AA	1940537574
SNP_P1_257263_5489	NW_004518142.1	Scaffold3448	5489	CC	TT	1940537576
SNP_P1_257264_5618	NW_004518142.1	Scaffold3448	5618	TT	CC	1940537578
SNP_P1_257265_5796	NW_004518142.1	Scaffold3448	5796	CC	TT	1940537581
SNP_P1_257266_5836	NW_004518142.1	Scaffold3448	5836	TT	CC	1940537583
SNP_P1_257267_6340	NW_004518142.1	Scaffold3448	6340	GG	AA	1940537585
SNP_P1_257268_8129	NW_004518142.1	Scaffold3448	8129	GG	TT	1940537587
SNP_P1_257269_2515	NW_004518143.1	Scaffold3450	2515	TT	AA	1940537589
SNP_P1_257270_3205	NW_004518143.1	Scaffold3450	3205	AA	GG	1940537591
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SNP_P1_257272_3211	NW_004518143.1	Scaffold3450	3211	GG	TT	1940537595
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SNP_P1_257278_1178	NW_004518145.1	Scaffold3453	1178	TT	GG	1940537606
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SNP_P1_257291_761	NW_004518147.1	Scaffold3455	761	AA	GG	1940537633
SNP_P1_257292_769	NW_004518147.1	Scaffold3455	769	AA	TT	1940537635
SNP_P1_257293_808	NW_004518147.1	Scaffold3455	808	AA	TT	1940537637
SNP_P1_257294_880	NW_004518147.1	Scaffold3455	880	TT	CC	1940537639
SNP_P1_257295_902	NW_004518147.1	Scaffold3455	902	GG	AA	1940537642
SNP_P1_257296_903	NW_004518147.1	Scaffold3455	903	AA	GG	1940537644

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257298_1080	NW_004518147.1	Scaffold3455	1080	GG	CC	1940537648
SNP_P1_257299_1165	NW_004518147.1	Scaffold3455	1165	AA	GG	1940537650
SNP_P1_257300_718	NW_004518148.1	Scaffold3457	718	TT	GG	1940537652
SNP_P1_257301_1936	NW_004518148.1	Scaffold3457	1936	AA	TT	1940537654
SNP_P1_257303_2113	NW_004518148.1	Scaffold3457	2113	AA	TT	1940537656
SNP_P1_257304_2209	NW_004518148.1	Scaffold3457	2209	GG	TT	1940537658
SNP_P1_257305_2488	NW_004518148.1	Scaffold3457	2488	AA	GG	1940537660
SNP_P1_257306_4668	NW_004518148.1	Scaffold3457	4668	AA	GG	1940537663
SNP_P1_257307_4717	NW_004518148.1	Scaffold3457	4717	GG	AA	1940537665
SNP_P1_257308_4804	NW_004518148.1	Scaffold3457	4804	AA	GG	1940537667
SNP_P1_257309_4854	NW_004518148.1	Scaffold3457	4854	CC	TT	1940537669
SNP_P1_257310_4855	NW_004518148.1	Scaffold3457	4855	GG	TT	1940537671
SNP_P1_257311_4898	NW_004518148.1	Scaffold3457	4898	CC	TT	1940537673
SNP_P1_257312_4920	NW_004518148.1	Scaffold3457	4920	TT	CC	1940537675
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SNP_P1_257330_12048	NW_004518149.1	Scaffold3458	12048	AA	CC	1940537713
SNP_P1_257331_14104	NW_004518149.1	Scaffold3458	14104	CC	AA	1940537715
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SNP_P1_257333_8757	NW_004518154.1	Scaffold3463	8757	CC	GG	1940537719
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SNP_P1_257338_9227	NW_004518154.1	Scaffold3463	9227	GG	AA	1940537730
SNP_P1_257339_9460	NW_004518154.1	Scaffold3463	9460	TT	GG	1940537732

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257342_10768	NW_004518154.1	Scaffold3463	10768	GG	AA	1940537738
SNP_P1_257343_10900	NW_004518154.1	Scaffold3463	10900	TT	AA	1940537741
SNP_P1_257344_12265	NW_004518154.1	Scaffold3463	12265	CC	TT	1940537743
SNP_P1_257345_12452	NW_004518154.1	Scaffold3463	12452	AA	CC	1940537745
SNP_P1_257346_12501	NW_004518154.1	Scaffold3463	12501	AA	GG	1940537747
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SNP_P1_257348_12848	NW_004518154.1	Scaffold3463	12848	AA	GG	1940537751
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SNP_P1_257353_15876	NW_004518154.1	Scaffold3463	15876	AA	TT	1940537762
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SNP_P1_257356_15948	NW_004518154.1	Scaffold3463	15948	TT	CC	1940537768
SNP_P1_257357_22406	NW_004518154.1	Scaffold3463	22406	GG	AA	1940537770
SNP_P1_257358_8549	NW_004518155.1	Scaffold3464	8549	GG	AA	1940537772
SNP_P1_257359_11243	NW_004518155.1	Scaffold3464	11243	TT	CC	1940537774
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SNP_P1_257361_13499	NW_004518155.1	Scaffold3464	13499	TT	CC	1940537779
SNP_P1_257362_13525	NW_004518155.1	Scaffold3464	13525	GG	AA	1940537781
SNP_P1_257363_13689	NW_004518155.1	Scaffold3464	13689	TT	AA	1940537783
SNP_P1_257364_13692	NW_004518155.1	Scaffold3464	13692	AA	GG	1940537785
SNP_P1_257365_16925	NW_004518155.1	Scaffold3464	16925	TT	AA	1940537787
SNP_P1_257366_17027	NW_004518155.1	Scaffold3464	17027	CC	TT	1940537789
SNP_P1_257367_17082	NW_004518155.1	Scaffold3464	17082	CC	TT	1940537791
SNP_P1_257368_17139	NW_004518155.1	Scaffold3464	17139	CC	AA	1940537793
SNP_P1_257369_17340	NW_004518155.1	Scaffold3464	17340	CC	AA	1940537795
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SNP_P1_257373_108	NW_004518159.1	Scaffold3468	108	CC	TT	1940537804
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SNP_P1_257377_379	NW_004518159.1	Scaffold3468	379	AA	GG	1940537812
SNP_P1_257378_1389	NW_004518159.1	Scaffold3468	1389	GG	AA	1940537814
SNP_P1_257379_1412	NW_004518159.1	Scaffold3468	1412	AA	TT	1940537816
SNP_P1_257380_1483	NW_004518159.1	Scaffold3468	1483	AA	TT	1940537819
SNP_P1_257381_1580	NW_004518159.1	Scaffold3468	1580	GG	AA	1940537821

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257384_1791	NW_004518159.1	Scaffold3468	1791	GG	AA	1940537825
SNP_P1_257385_1968	NW_004518160.1	Scaffold3470	1968	GG	AA	1940537827
SNP_P1_257386_2103	NW_004518160.1	Scaffold3470	2103	CC	TT	1940537829
SNP_P1_257387_2104	NW_004518160.1	Scaffold3470	2104	TT	CC	1940537831
SNP_P1_257388_2121	NW_004518160.1	Scaffold3470	2121	TT	CC	1940537833
SNP_P1_257389_2133	NW_004518160.1	Scaffold3470	2133	TT	CC	1940537835
SNP_P1_257390_2161	NW_004518160.1	Scaffold3470	2161	GG	AA	1940537837
SNP_P1_257391_2265	NW_004518160.1	Scaffold3470	2265	TT	GG	1940537840
SNP_P1_257392_2271	NW_004518160.1	Scaffold3470	2271	CC	TT	1940537842
SNP_P1_257393_15615	NW_004518160.1	Scaffold3470	15615	CC	AA	1940537844
SNP_P1_257394_20034	NW_004518160.1	Scaffold3470	20034	CC	GG	1940537846
SNP_P1_257395_21568	NW_004518160.1	Scaffold3470	21568	CC	TT	1940537848
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SNP_P1_257397_37734	NW_004518160.1	Scaffold3470	37734	CC	AA	1940537852
SNP_P1_257398_37769	NW_004518160.1	Scaffold3470	37769	AA	TT	1940537854
SNP_P1_257399_37908	NW_004518160.1	Scaffold3470	37908	AA	TT	1940537856
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SNP_P1_257401_38145	NW_004518160.1	Scaffold3470	38145	TT	CC	1940537861
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SNP_P1_257407_52852	NW_004518160.1	Scaffold3470	52852	AA	GG	1940537873
SNP_P1_257408_64803	NW_004518160.1	Scaffold3470	64803	GG	AA	1940537875
SNP_P1_257409_73036	NW_004518160.1	Scaffold3470	73036	CC	GG	1940537878
SNP_P1_257410_74889	NW_004518160.1	Scaffold3470	74889	CC	TT	1940537880
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SNP_P1_257412_75266	NW_004518160.1	Scaffold3470	75266	TT	CC	1940537884
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SNP_P1_257414_78751	NW_004518160.1	Scaffold3470	78751	TT	GG	1940537888
SNP_P1_257415_78754	NW_004518160.1	Scaffold3470	78754	CC	TT	1940537890
SNP_P1_257416_78760	NW_004518160.1	Scaffold3470	78760	AA	TT	1940537892
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SNP_P1_257418_81465	NW_004518160.1	Scaffold3470	81465	AA	TT	1940537896
SNP_P1_257419_81467	NW_004518160.1	Scaffold3470	81467	CC	AA	1940537899
SNP_P1_257420_82184	NW_004518160.1	Scaffold3470	82184	GG	CC	1940537901
SNP_P1_257421_82609	NW_004518160.1	Scaffold3470	82609	TT	CC	1940537903
SNP_P1_257422_82631	NW_004518160.1	Scaffold3470	82631	AA	GG	1940537905
SNP_P1_257423_82636	NW_004518160.1	Scaffold3470	82636	AA	GG	1940537907
SNP_P1_257424_82641	NW_004518160.1	Scaffold3470	82641	GG	AA	1940537909

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257426_82651	NW_004518160.1	Scaffold3470	82651	TT	GG	1940537913
SNP_P1_257427_82653	NW_004518160.1	Scaffold3470	82653	CC	AA	1940537915
SNP_P1_257428_90784	NW_004518160.1	Scaffold3470	90784	GG	AA	1940537918
SNP_P1_257429_92301	NW_004518160.1	Scaffold3470	92301	CC	TT	1940537920
SNP_P1_257430_97945	NW_004518160.1	Scaffold3470	97945	TT	GG	1940537922
SNP_P1_257431_98353	NW_004518160.1	Scaffold3470	98353	AA	GG	1940537924
SNP_P1_257432_100455	NW_004518160.1	Scaffold3470	100455	TT	CC	1940537926
SNP_P1_257433_100480	NW_004518160.1	Scaffold3470	100480	TT	AA	1940537928
SNP_P1_257434_4764	NW_004518162.1	Scaffold3472	4764	TT	CC	1940537930
SNP_P1_257435_4799	NW_004518162.1	Scaffold3472	4799	CC	GG	1940537932
SNP_P1_257437_6967	NW_004518162.1	Scaffold3472	6967	GG	TT	1940537934
SNP_P1_257440_7108	NW_004518162.1	Scaffold3472	7108	CC	AA	1940537937
SNP_P1_257441_7131	NW_004518162.1	Scaffold3472	7131	TT	CC	1940537939
SNP_P1_257442_7133	NW_004518162.1	Scaffold3472	7133	GG	AA	1940537941
SNP_P1_257444_7278	NW_004518162.1	Scaffold3472	7278	GG	AA	1940537943
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SNP_P1_257447_8759	NW_004518162.1	Scaffold3472	8759	AA	GG	1940537947
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SNP_P1_257451_8894	NW_004518162.1	Scaffold3472	8894	AA	GG	1940537956
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SNP_P1_257454_9135	NW_004518162.1	Scaffold3472	9135	AA	GG	1940537960
SNP_P1_257455_9238	NW_004518162.1	Scaffold3472	9238	AA	GG	1940537962
SNP_P1_257456_9305	NW_004518162.1	Scaffold3472	9305	CC	TT	1940537964
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SNP_P1_257459_9573	NW_004518162.1	Scaffold3472	9573	CC	TT	1940537968
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SNP_P1_257463_9902	NW_004518162.1	Scaffold3472	9902	CC	TT	1940537977
SNP_P1_257464_9919	NW_004518162.1	Scaffold3472	9919	CC	TT	1940537979
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SNP_P1_257466_10072	NW_004518162.1	Scaffold3472	10072	TT	CC	1940537983
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SNP_P1_257470_48722	NW_004518162.1	Scaffold3472	48722	GG	AA	1940537987
SNP_P1_257472_74071	NW_004518162.1	Scaffold3472	74071	CC	TT	1940537989
SNP_P1_257473_75418	NW_004518162.1	Scaffold3472	75418	GG	CC	1940537992
SNP_P1_257474_75449	NW_004518162.1	Scaffold3472	75449	AA	GG	1940537994
SNP_P1_257475_76846	NW_004518162.1	Scaffold3472	76846	CC	TT	1940537996
SNP_P1_257476_76892	NW_004518162.1	Scaffold3472	76892	AA	GG	1940537998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257479_378	NW_004518163.1	Scaffold3473	378	TT	CC	1940538004
SNP_P1_257480_526	NW_004518163.1	Scaffold3473	526	TT	CC	1940538006
SNP_P1_257481_592	NW_004518163.1	Scaffold3473	592	AA	TT	1940538008
SNP_P1_257482_636	NW_004518163.1	Scaffold3473	636	AA	GG	1940538011
SNP_P1_257483_674	NW_004518163.1	Scaffold3473	674	CC	TT	1940538013
SNP_P1_257484_734	NW_004518163.1	Scaffold3473	734	TT	GG	1940538015
SNP_P1_257485_741	NW_004518163.1	Scaffold3473	741	CC	TT	1940538017
SNP_P1_257486_764	NW_004518163.1	Scaffold3473	764	TT	CC	1940538019
SNP_P1_257487_827	NW_004518164.1	Scaffold3474	827	AA	GG	1940538021
SNP_P1_257488_923	NW_004518164.1	Scaffold3474	923	TT	AA	1940538023
SNP_P1_257489_931	NW_004518164.1	Scaffold3474	931	GG	TT	1940538025
SNP_P1_257490_936	NW_004518164.1	Scaffold3474	936	TT	GG	1940538027
SNP_P1_257491_993	NW_004518164.1	Scaffold3474	993	GG	AA	1940538029
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SNP_P1_257494_1048	NW_004518164.1	Scaffold3474	1048	TT	AA	1940538036
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SNP_P1_257502_2063	NW_004518165.1	Scaffold3475	2063	CC	TT	1940538053
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SNP_P1_257517_6357	NW_004518165.1	Scaffold3475	6357	CC	TT	1940538080
SNP_P1_257518_6516	NW_004518165.1	Scaffold3475	6516	AA	GG	1940538082
SNP_P1_257519_7438	NW_004518165.1	Scaffold3475	7438	TT	CC	1940538084
SNP_P1_257520_7623	NW_004518165.1	Scaffold3475	7623	AA	TT	1940538086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257522_7878	NW_004518165.1	Scaffold3475	7878	GG	AA	1940538090
SNP_P1_257523_7998	NW_004518165.1	Scaffold3475	7998	GG	CC	1940538093
SNP_P1_257524_8101	NW_004518165.1	Scaffold3475	8101	CC	GG	1940538095
SNP_P1_257525_8124	NW_004518165.1	Scaffold3475	8124	TT	CC	1940538097
SNP_P1_257526_8254	NW_004518165.1	Scaffold3475	8254	CC	TT	1940538099
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SNP_P1_257530_8619	NW_004518165.1	Scaffold3475	8619	AA	CC	1940538107
SNP_P1_257531_9898	NW_004518165.1	Scaffold3475	9898	GG	AA	1940538109
SNP_P1_257532_9912	NW_004518165.1	Scaffold3475	9912	AA	CC	1940538112
SNP_P1_257533_10158	NW_004518165.1	Scaffold3475	10158	AA	GG	1940538114
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SNP_P1_257536_10429	NW_004518165.1	Scaffold3475	10429	TT	CC	1940538120
SNP_P1_257537_10498	NW_004518165.1	Scaffold3475	10498	GG	AA	1940538122
SNP_P1_257538_10594	NW_004518165.1	Scaffold3475	10594	AA	GG	1940538124
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SNP_P1_257543_22514	NW_004518165.1	Scaffold3475	22514	GG	TT	1940538133
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SNP_P1_257556_29290	NW_004518165.1	Scaffold3475	29290	GG	TT	1940538160
SNP_P1_257557_29332	NW_004518165.1	Scaffold3475	29332	TT	GG	1940538162
SNP_P1_257558_29909	NW_004518165.1	Scaffold3475	29909	AA	GG	1940538164
SNP_P1_257559_29946	NW_004518165.1	Scaffold3475	29946	TT	GG	1940538166
SNP_P1_257560_30039	NW_004518165.1	Scaffold3475	30039	GG	AA	1940538169
SNP_P1_257561_30047	NW_004518165.1	Scaffold3475	30047	AA	GG	1940538171
SNP_P1_257562_30210	NW_004518165.1	Scaffold3475	30210	CC	GG	1940538173
SNP_P1_257563_30356	NW_004518165.1	Scaffold3475	30356	GG	AA	1940538175

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257566_30751	NW_004518165.1	Scaffold3475	30751	AA	CC	1940538181
SNP_P1_257567_30755	NW_004518165.1	Scaffold3475	30755	TT	GG	1940538183
SNP_P1_257568_30934	NW_004518165.1	Scaffold3475	30934	CC	TT	1940538185
SNP_P1_257569_30970	NW_004518165.1	Scaffold3475	30970	CC	TT	1940538187
SNP_P1_257570_30985	NW_004518165.1	Scaffold3475	30985	GG	AA	1940538190
SNP_P1_257571_31159	NW_004518165.1	Scaffold3475	31159	AA	GG	1940538192
SNP_P1_257572_31172	NW_004518165.1	Scaffold3475	31172	AA	GG	1940538194
SNP_P1_257573_31251	NW_004518165.1	Scaffold3475	31251	GG	AA	1940538196
SNP_P1_257575_31337	NW_004518165.1	Scaffold3475	31337	CC	AA	1940538198
SNP_P1_257576_31658	NW_004518165.1	Scaffold3475	31658	GG	AA	1940538200
SNP_P1_257577_32192	NW_004518165.1	Scaffold3475	32192	CC	TT	1940538202
SNP_P1_257578_32229	NW_004518165.1	Scaffold3475	32229	CC	AA	1940538204
SNP_P1_257581_34735	NW_004518165.1	Scaffold3475	34735	CC	TT	1940538206
SNP_P1_257582_36737	NW_004518165.1	Scaffold3475	36737	GG	CC	1940538209
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SNP_P1_257590_38584	NW_004518165.1	Scaffold3475	38584	AA	GG	1940538225
SNP_P1_257591_38624	NW_004518165.1	Scaffold3475	38624	TT	AA	1940538228
SNP_P1_257592_38632	NW_004518165.1	Scaffold3475	38632	GG	AA	1940538230
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SNP_P1_257594_38888	NW_004518165.1	Scaffold3475	38888	GG	TT	1940538234
SNP_P1_257595_38955	NW_004518165.1	Scaffold3475	38955	AA	GG	1940538236
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SNP_P1_257600_41938	NW_004518165.1	Scaffold3475	41938	AA	GG	1940538247
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SNP_P1_257602_43050	NW_004518165.1	Scaffold3475	43050	TT	CC	1940538251
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SNP_P1_257605_43279	NW_004518165.1	Scaffold3475	43279	CC	GG	1940538257
SNP_P1_257606_54993	NW_004518165.1	Scaffold3475	54993	GG	AA	1940538259
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257610_60392	NW_004518165.1	Scaffold3475	60392	AA	CC	1940538268
SNP_P1_257611_60418	NW_004518165.1	Scaffold3475	60418	CC	GG	1940538270
SNP_P1_257612_60767	NW_004518165.1	Scaffold3475	60767	AA	CC	1940538272
SNP_P1_257613_65773	NW_004518165.1	Scaffold3475	65773	TT	CC	1940538274
SNP_P1_257614_65792	NW_004518165.1	Scaffold3475	65792	CC	TT	1940538276
SNP_P1_257615_65794	NW_004518165.1	Scaffold3475	65794	TT	GG	1940538278
SNP_P1_257616_65958	NW_004518165.1	Scaffold3475	65958	AA	GG	1940538280
SNP_P1_257617_73581	NW_004518165.1	Scaffold3475	73581	TT	CC	1940538282
SNP_P1_257618_73783	NW_004518165.1	Scaffold3475	73783	TT	CC	1940538284
SNP_P1_257619_74276	NW_004518165.1	Scaffold3475	74276	AA	TT	1940538287
SNP_P1_257620_74327	NW_004518165.1	Scaffold3475	74327	TT	CC	1940538289
SNP_P1_257621_74556	NW_004518165.1	Scaffold3475	74556	TT	CC	1940538291
SNP_P1_257622_74700	NW_004518165.1	Scaffold3475	74700	TT	CC	1940538293
SNP_P1_257623_74701	NW_004518165.1	Scaffold3475	74701	AA	GG	1940538295
SNP_P1_257624_6027	NW_004518166.1	Scaffold3476	6027	GG	AA	1940538297
SNP_P1_257625_20972	NW_004518168.1	Scaffold3481	20972	AA	CC	1940538299
SNP_P1_257626_20989	NW_004518168.1	Scaffold3481	20989	TT	CC	1940538301
SNP_P1_257627_20999	NW_004518168.1	Scaffold3481	20999	CC	AA	1940538303
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SNP_P1_257631_467	NW_004518172.1	Scaffold3485	467	AA	TT	1940538310
SNP_P1_257632_504	NW_004518172.1	Scaffold3485	504	GG	AA	1940538312
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SNP_P1_257634_1717	NW_004518172.1	Scaffold3485	1717	AA	TT	1940538316
SNP_P1_257635_1779	NW_004518172.1	Scaffold3485	1779	AA	GG	1940538318
SNP_P1_257636_1850	NW_004518172.1	Scaffold3485	1850	AA	TT	1940538320
SNP_P1_257637_1875	NW_004518172.1	Scaffold3485	1875	TT	AA	1940538322
SNP_P1_257638_1992	NW_004518172.1	Scaffold3485	1992	GG	CC	1940538325
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SNP_P1_257641_4729	NW_004518172.1	Scaffold3485	4729	CC	TT	1940538331
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SNP_P1_257643_5060	NW_004518172.1	Scaffold3485	5060	TT	CC	1940538335
SNP_P1_257644_5064	NW_004518172.1	Scaffold3485	5064	TT	AA	1940538337
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SNP_P1_257646_5098	NW_004518172.1	Scaffold3485	5098	TT	CC	1940538341
SNP_P1_257647_5105	NW_004518172.1	Scaffold3485	5105	AA	TT	1940538343
SNP_P1_257648_5386	NW_004518172.1	Scaffold3485	5386	AA	GG	1940538346
SNP_P1_257649_5738	NW_004518172.1	Scaffold3485	5738	CC	TT	1940538348
SNP_P1_257650_5887	NW_004518172.1	Scaffold3485	5887	TT	GG	1940538350
SNP_P1_257652_6008	NW_004518172.1	Scaffold3485	6008	TT	CC	1940538352

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257654_6286	NW_004518172.1	Scaffold3485	6286	GG	TT	1940538356
SNP_P1_257655_6311	NW_004518172.1	Scaffold3485	6311	AA	TT	1940538358
SNP_P1_257656_6340	NW_004518172.1	Scaffold3485	6340	GG	AA	1940538360
SNP_P1_257657_6369	NW_004518172.1	Scaffold3485	6369	AA	TT	1940538362
SNP_P1_257660_20835	NW_004518173.1	Scaffold3486	20835	CC	TT	1940538364
SNP_P1_257661_20836	NW_004518173.1	Scaffold3486	20836	CC	TT	1940538367
SNP_P1_257662_21204	NW_004518173.1	Scaffold3486	21204	TT	CC	1940538369
SNP_P1_257663_23758	NW_004518173.1	Scaffold3486	23758	CC	GG	1940538371
SNP_P1_257665_2296	NW_004518176.1	Scaffold3489	2296	AA	TT	1940538373
SNP_P1_257666_2321	NW_004518176.1	Scaffold3489	2321	AA	GG	1940538375
SNP_P1_257667_2364	NW_004518176.1	Scaffold3489	2364	GG	AA	1940538377
SNP_P1_257668_2385	NW_004518176.1	Scaffold3489	2385	AA	TT	1940538379
SNP_P1_257669_2444	NW_004518176.1	Scaffold3489	2444	CC	TT	1940538381
SNP_P1_257670_2574	NW_004518176.1	Scaffold3489	2574	TT	GG	1940538383
SNP_P1_257672_3557	NW_004518176.1	Scaffold3489	3557	TT	CC	1940538385
SNP_P1_257673_3563	NW_004518176.1	Scaffold3489	3563	AA	TT	1940538388
SNP_P1_257674_4760	NW_004518176.1	Scaffold3489	4760	AA	CC	1940538390
SNP_P1_257675_4954	NW_004518176.1	Scaffold3489	4954	AA	TT	1940538392
SNP_P1_257676_5214	NW_004518176.1	Scaffold3489	5214	TT	AA	1940538394
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SNP_P1_257678_314	NW_004518180.1	Scaffold3494	314	TT	CC	1940538398
SNP_P1_257679_330	NW_004518180.1	Scaffold3494	330	CC	TT	1940538400
SNP_P1_257680_503	NW_004518180.1	Scaffold3494	503	GG	CC	1940538402
SNP_P1_257681_599	NW_004518180.1	Scaffold3494	599	CC	TT	1940538404
SNP_P1_257682_634	NW_004518180.1	Scaffold3494	634	TT	GG	1940538407
SNP_P1_257683_649	NW_004518180.1	Scaffold3494	649	GG	TT	1940538409
SNP_P1_257684_650	NW_004518180.1	Scaffold3494	650	GG	TT	1940538411
SNP_P1_257685_664	NW_004518180.1	Scaffold3494	664	TT	GG	1940538413
SNP_P1_257686_673	NW_004518180.1	Scaffold3494	673	AA	TT	1940538415
SNP_P1_257687_928	NW_004518181.1	Scaffold3496	928	GG	CC	1940538417
SNP_P1_257688_1169	NW_004518182.1	Scaffold3497	1169	AA	GG	1940538419
SNP_P1_257689_1178	NW_004518182.1	Scaffold3497	1178	TT	CC	1940538421
SNP_P1_257690_7392	NW_004518182.1	Scaffold3497	7392	CC	GG	1940538423
SNP_P1_257691_9403	NW_004518182.1	Scaffold3497	9403	GG	TT	1940538425
SNP_P1_257692_9421	NW_004518182.1	Scaffold3497	9421	TT	CC	1940538428
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SNP_P1_257694_9646	NW_004518182.1	Scaffold3497	9646	GG	TT	1940538432
SNP_P1_257695_9647	NW_004518182.1	Scaffold3497	9647	TT	CC	1940538434
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SNP_P1_257697_13450	NW_004518182.1	Scaffold3497	13450	GG	AA	1940538438
SNP_P1_257698_13461	NW_004518182.1	Scaffold3497	13461	TT	CC	1940538440

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257701_13557	NW_004518182.1	Scaffold3497	13557	AA	CC	1940538447
SNP_P1_257702_13558	NW_004518182.1	Scaffold3497	13558	AA	CC	1940538449
SNP_P1_257703_13586	NW_004518182.1	Scaffold3497	13586	CC	TT	1940538451
SNP_P1_257704_13604	NW_004518182.1	Scaffold3497	13604	TT	AA	1940538453
SNP_P1_257705_13763	NW_004518182.1	Scaffold3497	13763	AA	GG	1940538455
SNP_P1_257706_13804	NW_004518182.1	Scaffold3497	13804	GG	AA	1940538457
SNP_P1_257707_1924	NW_004518183.1	Scaffold3498	1924	AA	CC	1940538459
SNP_P1_257708_1958	NW_004518183.1	Scaffold3498	1958	GG	AA	1940538461
SNP_P1_257710_6182	NW_004518184.1	Scaffold3500	6182	TT	CC	1940538463
SNP_P1_257711_6206	NW_004518184.1	Scaffold3500	6206	GG	AA	1940538465
SNP_P1_257712_14134	NW_004518184.1	Scaffold3500	14134	GG	AA	1940538468
SNP_P1_257713_14154	NW_004518184.1	Scaffold3500	14154	GG	CC	1940538470
SNP_P1_257714_14273	NW_004518184.1	Scaffold3500	14273	AA	GG	1940538472
SNP_P1_257715_16431	NW_004518184.1	Scaffold3500	16431	AA	GG	1940538474
SNP_P1_257716_29593	NW_004518184.1	Scaffold3500	29593	TT	AA	1940538476
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SNP_P1_257720_81939	NW_004518184.1	Scaffold3500	81939	GG	AA	1940538482
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SNP_P1_257722_82543	NW_004518184.1	Scaffold3500	82543	CC	AA	1940538487
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SNP_P1_257724_104808	NW_004518184.1	Scaffold3500	104808	AA	GG	1940538491
SNP_P1_257725_316	NW_004518186.1	Scaffold3502	316	GG	CC	1940538493
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SNP_P1_257729_487	NW_004518186.1	Scaffold3502	487	TT	CC	1940538501
SNP_P1_257730_490	NW_004518186.1	Scaffold3502	490	TT	CC	1940538503
SNP_P1_257731_500	NW_004518186.1	Scaffold3502	500	TT	GG	1940538505
SNP_P1_257732_554	NW_004518186.1	Scaffold3502	554	CC	TT	1940538508
SNP_P1_257733_367	NW_004518188.1	Scaffold3504	367	GG	AA	1940538510
SNP_P1_257734_414	NW_004518188.1	Scaffold3504	414	TT	AA	1940538512
SNP_P1_257735_436	NW_004518188.1	Scaffold3504	436	CC	TT	1940538514
SNP_P1_257736_1228	NW_004518189.1	Scaffold3505	1228	GG	TT	1940538516
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SNP_P1_257738_3778	NW_004518189.1	Scaffold3505	3778	CC	TT	1940538520
SNP_P1_257739_1184	NW_004518192.1	Scaffold3509	1184	CC	TT	1940538522
SNP_P1_257740_1979	NW_004518192.1	Scaffold3509	1979	TT	CC	1940538524
SNP_P1_257741_2256	NW_004518192.1	Scaffold3509	2256	CC	TT	1940538527
SNP_P1_257742_431	NW_004518193.1	Scaffold3512	431	AA	GG	1940538529

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257746_1879	NW_004518193.1	Scaffold3512	1879	GG	TT	1940538535
SNP_P1_257747_2263	NW_004518193.1	Scaffold3512	2263	TT	CC	1940538537
SNP_P1_257748_2297	NW_004518193.1	Scaffold3512	2297	GG	AA	1940538539
SNP_P1_257749_2448	NW_004518193.1	Scaffold3512	2448	AA	GG	1940538541
SNP_P1_257750_348	NW_004518194.1	Scaffold3513	348	AA	CC	1940538543
SNP_P1_257751_351	NW_004518194.1	Scaffold3513	351	TT	AA	1940538545
SNP_P1_257752_936	NW_004518194.1	Scaffold3513	936	TT	AA	1940538548
SNP_P1_257753_19440	NW_004518194.1	Scaffold3513	19440	CC	AA	1940538550
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SNP_P1_257756_19585	NW_004518194.1	Scaffold3513	19585	CC	GG	1940538556
SNP_P1_257757_19615	NW_004518194.1	Scaffold3513	19615	GG	AA	1940538558
SNP_P1_257758_19738	NW_004518194.1	Scaffold3513	19738	CC	AA	1940538560
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SNP_P1_257760_19830	NW_004518194.1	Scaffold3513	19830	GG	TT	1940538564
SNP_P1_257761_19862	NW_004518194.1	Scaffold3513	19862	AA	TT	1940538567
SNP_P1_257762_19874	NW_004518194.1	Scaffold3513	19874	CC	GG	1940538569
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SNP_P1_257779_21155	NW_004518194.1	Scaffold3513	21155	GG	AA	1940538602
SNP_P1_257780_21171	NW_004518194.1	Scaffold3513	21171	AA	TT	1940538605
SNP_P1_257781_21173	NW_004518194.1	Scaffold3513	21173	CC	GG	1940538607
SNP_P1_257782_21206	NW_004518194.1	Scaffold3513	21206	GG	CC	1940538609
SNP_P1_257783_21360	NW_004518194.1	Scaffold3513	21360	CC	TT	1940538611
SNP_P1_257784_21480	NW_004518194.1	Scaffold3513	21480	CC	TT	1940538613
SNP_P1_257785_21540	NW_004518194.1	Scaffold3513	21540	GG	CC	1940538615
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257791_21859	NW_004518194.1	Scaffold3513	21859	CC	AA	1940538626
SNP_P1_257792_21957	NW_004518194.1	Scaffold3513	21957	GG	TT	1940538628
SNP_P1_257793_21973	NW_004518194.1	Scaffold3513	21973	AA	GG	1940538630
SNP_P1_257794_21975	NW_004518194.1	Scaffold3513	21975	GG	TT	1940538632
SNP_P1_257795_22029	NW_004518194.1	Scaffold3513	22029	TT	GG	1940538634
SNP_P1_257796_22054	NW_004518194.1	Scaffold3513	22054	AA	GG	1940538636
SNP_P1_257797_22058	NW_004518194.1	Scaffold3513	22058	TT	CC	1940538638
SNP_P1_257798_22190	NW_004518194.1	Scaffold3513	22190	GG	TT	1940538640
SNP_P1_257799_22197	NW_004518194.1	Scaffold3513	22197	AA	GG	1940538642
SNP_P1_257800_22205	NW_004518194.1	Scaffold3513	22205	TT	CC	1940538645
SNP_P1_257801_22217	NW_004518194.1	Scaffold3513	22217	AA	GG	1940538647
SNP_P1_257802_22219	NW_004518194.1	Scaffold3513	22219	GG	AA	1940538649
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SNP_P1_257808_22529	NW_004518194.1	Scaffold3513	22529	AA	TT	1940538661
SNP_P1_257809_22566	NW_004518194.1	Scaffold3513	22566	AA	GG	1940538664
SNP_P1_257810_22579	NW_004518194.1	Scaffold3513	22579	CC	TT	1940538666
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SNP_P1_257812_22741	NW_004518194.1	Scaffold3513	22741	TT	CC	1940538670
SNP_P1_257813_22744	NW_004518194.1	Scaffold3513	22744	AA	TT	1940538672
SNP_P1_257814_22761	NW_004518194.1	Scaffold3513	22761	AA	GG	1940538674
SNP_P1_257815_22763	NW_004518194.1	Scaffold3513	22763	AA	CC	1940538676
SNP_P1_257817_544	NW_004518195.1	Scaffold3514	544	TT	GG	1940538678
SNP_P1_257818_550	NW_004518195.1	Scaffold3514	550	CC	TT	1940538680
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SNP_P1_257827_13734	NW_004518195.1	Scaffold3514	13734	GG	TT	1940538699
SNP_P1_257828_14639	NW_004518195.1	Scaffold3514	14639	TT	CC	1940538701
SNP_P1_257829_15434	NW_004518195.1	Scaffold3514	15434	CC	TT	1940538704
SNP_P1_257830_17360	NW_004518195.1	Scaffold3514	17360	CC	TT	1940538706

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257834_19063	NW_004518195.1	Scaffold3514	19063	TT	CC	1940538710
SNP_P1_257836_19640	NW_004518195.1	Scaffold3514	19640	AA	TT	1940538712
SNP_P1_257837_19793	NW_004518195.1	Scaffold3514	19793	AA	CC	1940538714
SNP_P1_257838_21923	NW_004518195.1	Scaffold3514	21923	GG	AA	1940538716
SNP_P1_257840_23839	NW_004518195.1	Scaffold3514	23839	AA	GG	1940538718
SNP_P1_257841_24006	NW_004518195.1	Scaffold3514	24006	CC	TT	1940538720
SNP_P1_257842_24089	NW_004518195.1	Scaffold3514	24089	AA	GG	1940538723
SNP_P1_257843_24108	NW_004518195.1	Scaffold3514	24108	TT	CC	1940538725
SNP_P1_257844_24126	NW_004518195.1	Scaffold3514	24126	AA	GG	1940538727
SNP_P1_257845_40164	NW_004518195.1	Scaffold3514	40164	AA	TT	1940538729
SNP_P1_257846_40229	NW_004518195.1	Scaffold3514	40229	AA	GG	1940538731
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SNP_P1_257849_40387	NW_004518195.1	Scaffold3514	40387	TT	GG	1940538737
SNP_P1_257850_40405	NW_004518195.1	Scaffold3514	40405	TT	AA	1940538739
SNP_P1_257851_40406	NW_004518195.1	Scaffold3514	40406	TT	AA	1940538742
SNP_P1_257852_40469	NW_004518195.1	Scaffold3514	40469	AA	GG	1940538744
SNP_P1_257853_40644	NW_004518195.1	Scaffold3514	40644	AA	GG	1940538746
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SNP_P1_257858_41337	NW_004518195.1	Scaffold3514	41337	TT	GG	1940538754
SNP_P1_257860_41847	NW_004518195.1	Scaffold3514	41847	CC	TT	1940538756
SNP_P1_257861_47702	NW_004518195.1	Scaffold3514	47702	GG	AA	1940538758
SNP_P1_257862_47732	NW_004518195.1	Scaffold3514	47732	GG	AA	1940538761
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SNP_P1_257868_48342	NW_004518195.1	Scaffold3514	48342	GG	AA	1940538771
SNP_P1_257869_48363	NW_004518195.1	Scaffold3514	48363	CC	TT	1940538773
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SNP_P1_257873_48515	NW_004518195.1	Scaffold3514	48515	GG	TT	1940538782
SNP_P1_257874_48631	NW_004518195.1	Scaffold3514	48631	CC	TT	1940538784
SNP_P1_257875_48747	NW_004518195.1	Scaffold3514	48747	CC	TT	1940538786
SNP_P1_257876_52543	NW_004518195.1	Scaffold3514	52543	AA	GG	1940538788
SNP_P1_257877_52558	NW_004518195.1	Scaffold3514	52558	GG	CC	1940538790
SNP_P1_257878_52561	NW_004518195.1	Scaffold3514	52561	GG	TT	1940538792
SNP_P1_257879_454	NW_004518197.1	Scaffold3516	454	AA	GG	1940538794

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257882_250	NW_004518200.1	Scaffold3520	250	CC	TT	1940538801
SNP_P1_257883_595	NW_004518200.1	Scaffold3520	595	CC	AA	1940538803
SNP_P1_257884_602	NW_004518200.1	Scaffold3520	602	CC	GG	1940538805
SNP_P1_257885_837	NW_004518200.1	Scaffold3520	837	AA	GG	1940538807
SNP_P1_257886_1313	NW_004518200.1	Scaffold3520	1313	TT	CC	1940538809
SNP_P1_257887_1550	NW_004518200.1	Scaffold3520	1550	GG	TT	1940538811
SNP_P1_257888_1856	NW_004518200.1	Scaffold3520	1856	AA	TT	1940538813
SNP_P1_257889_2466	NW_004518200.1	Scaffold3520	2466	TT	CC	1940538815
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SNP_P1_257891_4333	NW_004518200.1	Scaffold3520	4333	AA	GG	1940538819
SNP_P1_257892_4374	NW_004518200.1	Scaffold3520	4374	AA	CC	1940538822
SNP_P1_257893_4379	NW_004518200.1	Scaffold3520	4379	TT	AA	1940538824
SNP_P1_257894_4505	NW_004518200.1	Scaffold3520	4505	GG	AA	1940538826
SNP_P1_257895_4821	NW_004518200.1	Scaffold3520	4821	TT	AA	1940538828
SNP_P1_257896_4861	NW_004518200.1	Scaffold3520	4861	AA	TT	1940538830
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SNP_P1_257901_6348	NW_004518200.1	Scaffold3520	6348	AA	GG	1940538840
SNP_P1_257902_7558	NW_004518200.1	Scaffold3520	7558	CC	TT	1940538843
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SNP_P1_257904_8768	NW_004518200.1	Scaffold3520	8768	GG	AA	1940538847
SNP_P1_257905_10136	NW_004518200.1	Scaffold3520	10136	GG	AA	1940538849
SNP_P1_257907_37656	NW_004518200.1	Scaffold3520	37656	GG	AA	1940538851
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SNP_P1_257909_42062	NW_004518200.1	Scaffold3520	42062	AA	GG	1940538855
SNP_P1_257910_51506	NW_004518200.1	Scaffold3520	51506	CC	TT	1940538857
SNP_P1_257911_51544	NW_004518200.1	Scaffold3520	51544	TT	AA	1940538859
SNP_P1_257912_51566	NW_004518200.1	Scaffold3520	51566	AA	GG	1940538862
SNP_P1_257913_51577	NW_004518200.1	Scaffold3520	51577	GG	AA	1940538864
SNP_P1_257914_51593	NW_004518200.1	Scaffold3520	51593	TT	CC	1940538866
SNP_P1_257915_57645	NW_004518200.1	Scaffold3520	57645	GG	AA	1940538868
SNP_P1_257917_804	NW_004518206.1	Scaffold3527	804	GG	TT	1940538870
SNP_P1_257918_834	NW_004518206.1	Scaffold3527	834	AA	TT	1940538872
SNP_P1_257919_1149	NW_004518206.1	Scaffold3527	1149	TT	GG	1940538874
SNP_P1_257920_739	NW_004518208.1	Scaffold3529	739	TT	CC	1940538876
SNP_P1_257921_1259	NW_004518208.1	Scaffold3529	1259	AA	GG	1940538878
SNP_P1_257922_2856	NW_004518208.1	Scaffold3529	2856	CC	GG	1940538880
SNP_P1_257925_3507	NW_004518208.1	Scaffold3529	3507	AA	CC	1940538883

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257927_4201	NW_004518208.1	Scaffold3529	4201	CC	GG	1940538887
SNP_P1_257928_5875	NW_004518208.1	Scaffold3529	5875	GG	CC	1940538889
SNP_P1_257929_8546	NW_004518208.1	Scaffold3529	8546	TT	AA	1940538891
SNP_P1_257930_9797	NW_004518208.1	Scaffold3529	9797	GG	CC	1940538893
SNP_P1_257931_10155	NW_004518208.1	Scaffold3529	10155	AA	GG	1940538895
SNP_P1_257932_10983	NW_004518208.1	Scaffold3529	10983	TT	GG	1940538897
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SNP_P1_257935_12363	NW_004518208.1	Scaffold3529	12363	CC	GG	1940538904
SNP_P1_257936_12380	NW_004518208.1	Scaffold3529	12380	GG	CC	1940538906
SNP_P1_257937_12398	NW_004518208.1	Scaffold3529	12398	AA	TT	1940538908
SNP_P1_257938_13626	NW_004518208.1	Scaffold3529	13626	AA	TT	1940538910
SNP_P1_257939_17302	NW_004518208.1	Scaffold3529	17302	AA	CC	1940538912
SNP_P1_257940_18469	NW_004518208.1	Scaffold3529	18469	AA	GG	1940538914
SNP_P1_257941_18863	NW_004518208.1	Scaffold3529	18863	AA	GG	1940538916
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SNP_P1_257943_20486	NW_004518208.1	Scaffold3529	20486	TT	AA	1940538920
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SNP_P1_257951_21018	NW_004518208.1	Scaffold3529	21018	GG	CC	1940538937
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SNP_P1_257961_5447	NW_004518216.1	Scaffold3539	5447	GG	TT	1940538958
SNP_P1_257964_720	NW_004518219.1	Scaffold3542	720	AA	TT	1940538960
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SNP_P1_257966_1831	NW_004518219.1	Scaffold3542	1831	TT	CC	1940538965
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SNP_P1_257968_7113	NW_004518219.1	Scaffold3542	7113	CC	TT	1940538969
SNP_P1_257969_7115	NW_004518219.1	Scaffold3542	7115	AA	GG	1940538971

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_257972_7137	NW_004518219.1	Scaffold3542	7137	GG	AA	1940538977
SNP_P1_257973_7140	NW_004518219.1	Scaffold3542	7140	TT	AA	1940538979
SNP_P1_257974_17853	NW_004518219.1	Scaffold3542	17853	TT	AA	1940538981
SNP_P1_257975_17854	NW_004518219.1	Scaffold3542	17854	TT	GG	1940538984
SNP_P1_257976_17857	NW_004518219.1	Scaffold3542	17857	CC	AA	1940538986
SNP_P1_257977_17871	NW_004518219.1	Scaffold3542	17871	CC	TT	1940538988
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SNP_P1_257981_21087	NW_004518219.1	Scaffold3542	21087	TT	CC	1940538996
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SNP_P1_257988_21439	NW_004518219.1	Scaffold3542	21439	TT	CC	1940539009
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SNP_P1_258014_22320	NW_004518219.1	Scaffold3542	22320	AA	CC	1940539057
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_258016_22343	NW_004518219.1	Scaffold3542	22343	GG	AA	1940539062
SNP_P1_258017_22344	NW_004518219.1	Scaffold3542	22344	GG	CC	1940539064
SNP_P1_258018_22408	NW_004518219.1	Scaffold3542	22408	TT	CC	1940539066
SNP_P1_258019_22458	NW_004518219.1	Scaffold3542	22458	TT	CC	1940539068
SNP_P1_258020_23589	NW_004518219.1	Scaffold3542	23589	TT	CC	1940539070
SNP_P1_258021_23615	NW_004518219.1	Scaffold3542	23615	AA	GG	1940539072
SNP_P1_258022_23616	NW_004518219.1	Scaffold3542	23616	AA	CC	1940539074
SNP_P1_258023_23625	NW_004518219.1	Scaffold3542	23625	CC	TT	1940539076
SNP_P1_258025_24378	NW_004518219.1	Scaffold3542	24378	TT	GG	1940539078
SNP_P1_258026_24491	NW_004518219.1	Scaffold3542	24491	TT	GG	1940539080
SNP_P1_258027_24827	NW_004518219.1	Scaffold3542	24827	TT	CC	1940539083
SNP_P1_258029_24874	NW_004518219.1	Scaffold3542	24874	AA	CC	1940539085
SNP_P1_258030_24875	NW_004518219.1	Scaffold3542	24875	AA	GG	1940539087
SNP_P1_258031_24882	NW_004518219.1	Scaffold3542	24882	TT	CC	1940539089
SNP_P1_258032_24941	NW_004518219.1	Scaffold3542	24941	TT	CC	1940539091
SNP_P1_258033_24992	NW_004518219.1	Scaffold3542	24992	GG	CC	1940539093
SNP_P1_258034_33932	NW_004518219.1	Scaffold3542	33932	CC	GG	1940539095
SNP_P1_258035_33954	NW_004518219.1	Scaffold3542	33954	TT	CC	1940539097
SNP_P1_258036_33956	NW_004518219.1	Scaffold3542	33956	TT	CC	1940539099
SNP_P1_258037_34058	NW_004518219.1	Scaffold3542	34058	AA	CC	1940539102
SNP_P1_258038_34060	NW_004518219.1	Scaffold3542	34060	TT	GG	1940539104
SNP_P1_258039_34061	NW_004518219.1	Scaffold3542	34061	AA	GG	1940539106
SNP_P1_258040_34064	NW_004518219.1	Scaffold3542	34064	AA	GG	1940539108
SNP_P1_258041_34079	NW_004518219.1	Scaffold3542	34079	TT	AA	1940539110
SNP_P1_258042_34225	NW_004518219.1	Scaffold3542	34225	GG	TT	1940539112
SNP_P1_258043_34245	NW_004518219.1	Scaffold3542	34245	TT	CC	1940539114
SNP_P1_258044_34248	NW_004518219.1	Scaffold3542	34248	AA	TT	1940539116
SNP_P1_258045_34278	NW_004518219.1	Scaffold3542	34278	CC	AA	1940539118
SNP_P1_258046_34334	NW_004518219.1	Scaffold3542	34334	TT	GG	1940539121
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SNP_P1_258048_34366	NW_004518219.1	Scaffold3542	34366	AA	GG	1940539125
SNP_P1_258049_34385	NW_004518219.1	Scaffold3542	34385	AA	GG	1940539127
SNP_P1_258050_34426	NW_004518219.1	Scaffold3542	34426	TT	CC	1940539129
SNP_P1_258051_34437	NW_004518219.1	Scaffold3542	34437	TT	GG	1940539131
SNP_P1_258052_34448	NW_004518219.1	Scaffold3542	34448	TT	GG	1940539133
SNP_P1_258053_34501	NW_004518219.1	Scaffold3542	34501	AA	TT	1940539135
SNP_P1_258054_34619	NW_004518219.1	Scaffold3542	34619	GG	TT	1940539137
SNP_P1_258055_34628	NW_004518219.1	Scaffold3542	34628	TT	CC	1940539140
SNP_P1_258056_34683	NW_004518219.1	Scaffold3542	34683	AA	CC	1940539142
SNP_P1_258057_34687	NW_004518219.1	Scaffold3542	34687	TT	GG	1940539144
SNP_P1_258058_37364	NW_004518219.1	Scaffold3542	37364	GG	TT	1940539146
SNP_P1_258059_39403	NW_004518219.1	Scaffold3542	39403	GG	AA	1940539148

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258061_64	NW_004518220.1	Scaffold3543	64	AA	TT	1940539152
SNP_P1_258062_105	NW_004518222.1	Scaffold3545	105	CC	TT	1940539154
SNP_P1_258063_199	NW_004518222.1	Scaffold3545	199	TT	AA	1940539156
SNP_P1_258064_346	NW_004518222.1	Scaffold3545	346	TT	AA	1940539159
SNP_P1_258065_367	NW_004518222.1	Scaffold3545	367	TT	CC	1940539161
SNP_P1_258066_374	NW_004518222.1	Scaffold3545	374	TT	CC	1940539163
SNP_P1_258067_349	NW_004518225.1	Scaffold3549	349	AA	CC	1940539165
SNP_P1_258068_817	NW_004518225.1	Scaffold3549	817	AA	TT	1940539167
SNP_P1_258069_851	NW_004518225.1	Scaffold3549	851	TT	AA	1940539169
SNP_P1_258070_480	NW_004518227.1	Scaffold3554	480	AA	CC	1940539171
SNP_P1_258071_391	NW_004518228.1	Scaffold3555	391	TT	AA	1940539173
SNP_P1_258072_469	NW_004518228.1	Scaffold3555	469	AA	GG	1940539175
SNP_P1_258073_549	NW_004518228.1	Scaffold3555	549	AA	GG	1940539178
SNP_P1_258074_633	NW_004518228.1	Scaffold3555	633	AA	TT	1940539180
SNP_P1_258075_665	NW_004518228.1	Scaffold3555	665	GG	AA	1940539182
SNP_P1_258076_979	NW_004518228.1	Scaffold3555	979	GG	AA	1940539184
SNP_P1_258077_1059	NW_004518228.1	Scaffold3555	1059	TT	CC	1940539186
SNP_P1_258078_1222	NW_004518228.1	Scaffold3555	1222	TT	GG	1940539188
SNP_P1_258079_5525	NW_004518229.1	Scaffold3557	5525	TT	AA	1940539190
SNP_P1_258080_25482	NW_004518229.1	Scaffold3557	25482	GG	TT	1940539192
SNP_P1_258081_25717	NW_004518229.1	Scaffold3557	25717	GG	AA	1940539194
SNP_P1_258082_823	NW_004518232.1	Scaffold3562	823	AA	TT	1940539196
SNP_P1_258083_825	NW_004518232.1	Scaffold3562	825	TT	GG	1940539199
SNP_P1_258084_885	NW_004518232.1	Scaffold3562	885	TT	CC	1940539201
SNP_P1_258086_1072	NW_004518232.1	Scaffold3562	1072	TT	CC	1940539203
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SNP_P1_258088_1391	NW_004518232.1	Scaffold3562	1391	TT	AA	1940539207
SNP_P1_258089_966	NW_004518235.1	Scaffold3565	966	TT	CC	1940539209
SNP_P1_258090_983	NW_004518235.1	Scaffold3565	983	TT	CC	1940539211
SNP_P1_258091_994	NW_004518235.1	Scaffold3565	994	AA	CC	1940539213
SNP_P1_258093_1029	NW_004518235.1	Scaffold3565	1029	TT	CC	1940539215
SNP_P1_258094_1048	NW_004518235.1	Scaffold3565	1048	AA	TT	1940539218
SNP_P1_258095_1101	NW_004518235.1	Scaffold3565	1101	GG	AA	1940539220
SNP_P1_258096_1106	NW_004518235.1	Scaffold3565	1106	AA	GG	1940539222
SNP_P1_258097_1113	NW_004518235.1	Scaffold3565	1113	CC	AA	1940539224
SNP_P1_258098_1119	NW_004518235.1	Scaffold3565	1119	GG	TT	1940539226
SNP_P1_258099_811	NW_004518236.1	Scaffold3569	811	GG	TT	1940539228
SNP_P1_258100_1123	NW_004518236.1	Scaffold3569	1123	TT	CC	1940539230
SNP_P1_258101_228	NW_004518240.1	Scaffold3575	228	GG	AA	1940539232
SNP_P1_258102_174	NW_004518243.1	Scaffold3579	174	CC	AA	1940539234
SNP_P1_258103_215	NW_004518244.1	Scaffold3581	215	TT	CC	1940539237

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_258104_253	NW_004518244.1	Scaffold3581	253	CC	AA	1940539239
SNP_P1_258105_306	NW_004518244.1	Scaffold3581	306	AA	TT	1940539241
SNP_P1_258106_308	NW_004518244.1	Scaffold3581	308	TT	GG	1940539243
SNP_P1_258107_1151	NW_004518244.1	Scaffold3581	1151	GG	CC	1940539245
SNP_P1_258108_1190	NW_004518244.1	Scaffold3581	1190	AA	CC	1940539247
SNP_P1_258109_1490	NW_004518244.1	Scaffold3581	1490	AA	CC	1940539249
SNP_P1_258110_1802	NW_004518244.1	Scaffold3581	1802	CC	TT	1940539251
SNP_P1_258111_1828	NW_004518244.1	Scaffold3581	1828	AA	TT	1940539253
SNP_P1_258112_64	NW_004518247.1	Scaffold3585	64	AA	TT	1940539256
SNP_P1_258113_67	NW_004518247.1	Scaffold3585	67	TT	GG	1940539258
SNP_P1_258114_121	NW_004518247.1	Scaffold3585	121	TT	CC	1940539260
SNP_P1_258115_136	NW_004518247.1	Scaffold3585	136	TT	GG	1940539262
SNP_P1_258116_156	NW_004518247.1	Scaffold3585	156	TT	AA	1940539264
SNP_P1_258117_267	NW_004518247.1	Scaffold3585	267	AA	GG	1940539266
SNP_P1_258118_1777	NW_004518249.1	Scaffold3588	1777	AA	CC	1940539268
SNP_P1_258119_5459	NW_004518249.1	Scaffold3588	5459	TT	CC	1940539270
SNP_P1_258120_7542	NW_004518249.1	Scaffold3588	7542	TT	AA	1940539272
SNP_P1_258121_7620	NW_004518249.1	Scaffold3588	7620	CC	TT	1940539274
SNP_P1_258122_228	NW_004518250.1	Scaffold3589	228	TT	GG	1940539277
SNP_P1_258123_236	NW_004518250.1	Scaffold3589	236	AA	GG	1940539279
SNP_P1_258124_505	NW_004518250.1	Scaffold3589	505	AA	GG	1940539281
SNP_P1_258125_579	NW_004518250.1	Scaffold3589	579	CC	TT	1940539283
SNP_P1_258126_582	NW_004518250.1	Scaffold3589	582	GG	CC	1940539285
SNP_P1_258129_937	NW_004518250.1	Scaffold3589	937	AA	CC	1940539287
SNP_P1_258130_4785	NW_004518252.1	Scaffold3593	4785	GG	CC	1940539289
SNP_P1_258131_4794	NW_004518252.1	Scaffold3593	4794	TT	GG	1940539291
SNP_P1_258132_12553	NW_004518252.1	Scaffold3593	12553	GG	AA	1940539293
SNP_P1_258133_13133	NW_004518252.1	Scaffold3593	13133	AA	CC	1940539296
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SNP_P1_258135_13135	NW_004518252.1	Scaffold3593	13135	TT	GG	1940539300
SNP_P1_258136_14577	NW_004518252.1	Scaffold3593	14577	GG	AA	1940539302
SNP_P1_258137_14598	NW_004518252.1	Scaffold3593	14598	CC	TT	1940539304
SNP_P1_258138_14607	NW_004518252.1	Scaffold3593	14607	CC	TT	1940539306
SNP_P1_258139_14725	NW_004518252.1	Scaffold3593	14725	CC	AA	1940539308
SNP_P1_258140_644	NW_004518253.1	Scaffold3594	644	AA	TT	1940539310
SNP_P1_258141_679	NW_004518253.1	Scaffold3594	679	GG	CC	1940539312
SNP_P1_258143_773	NW_004518253.1	Scaffold3594	773	GG	CC	1940539315
SNP_P1_258144_776	NW_004518253.1	Scaffold3594	776	TT	GG	1940539317
SNP_P1_258145_779	NW_004518253.1	Scaffold3594	779	AA	GG	1940539319
SNP_P1_258146_809	NW_004518253.1	Scaffold3594	809	GG	AA	1940539321
SNP_P1_258147_815	NW_004518253.1	Scaffold3594	815	AA	GG	1940539323
SNP_P1_258148_827	NW_004518253.1	Scaffold3594	827	GG	AA	1940539325

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258150_868	NW_004518253.1	Scaffold3594	868	AA	CC	1940539329
SNP_P1_258151_870	NW_004518253.1	Scaffold3594	870	AA	GG	1940539331
SNP_P1_258152_931	NW_004518253.1	Scaffold3594	931	AA	CC	1940539334
SNP_P1_258154_1108	NW_004518253.1	Scaffold3594	1108	GG	AA	1940539336
SNP_P1_258155_1251	NW_004518253.1	Scaffold3594	1251	TT	AA	1940539338
SNP_P1_258156_1332	NW_004518253.1	Scaffold3594	1332	CC	GG	1940539340
SNP_P1_258157_1376	NW_004518253.1	Scaffold3594	1376	TT	AA	1940539342
SNP_P1_258158_1413	NW_004518253.1	Scaffold3594	1413	AA	GG	1940539344
SNP_P1_258159_1421	NW_004518253.1	Scaffold3594	1421	AA	GG	1940539346
SNP_P1_258161_1548	NW_004518253.1	Scaffold3594	1548	TT	CC	1940539348
SNP_P1_258162_1729	NW_004518253.1	Scaffold3594	1729	AA	GG	1940539350
SNP_P1_258163_1736	NW_004518253.1	Scaffold3594	1736	CC	TT	1940539353
SNP_P1_258164_1798	NW_004518253.1	Scaffold3594	1798	TT	CC	1940539355
SNP_P1_258165_1822	NW_004518253.1	Scaffold3594	1822	TT	AA	1940539357
SNP_P1_258166_1931	NW_004518253.1	Scaffold3594	1931	CC	TT	1940539359
SNP_P1_258167_1937	NW_004518253.1	Scaffold3594	1937	CC	GG	1940539361
SNP_P1_258168_6025	NW_004518253.1	Scaffold3594	6025	TT	CC	1940539363
SNP_P1_258169_6305	NW_004518253.1	Scaffold3594	6305	TT	CC	1940539365
SNP_P1_258170_6495	NW_004518253.1	Scaffold3594	6495	CC	GG	1940539367
SNP_P1_258171_6502	NW_004518253.1	Scaffold3594	6502	AA	TT	1940539369
SNP_P1_258172_6575	NW_004518253.1	Scaffold3594	6575	TT	CC	1940539372
SNP_P1_258173_6757	NW_004518253.1	Scaffold3594	6757	AA	TT	1940539374
SNP_P1_258174_6775	NW_004518253.1	Scaffold3594	6775	TT	GG	1940539376
SNP_P1_258175_7787	NW_004518253.1	Scaffold3594	7787	CC	AA	1940539378
SNP_P1_258176_64	NW_004518254.1	Scaffold3596	64	GG	CC	1940539380
SNP_P1_258177_137	NW_004518254.1	Scaffold3596	137	AA	GG	1940539382
SNP_P1_258178_692	NW_004518254.1	Scaffold3596	692	AA	GG	1940539384
SNP_P1_258179_1332	NW_004518254.1	Scaffold3596	1332	GG	TT	1940539386
SNP_P1_258180_1430	NW_004518254.1	Scaffold3596	1430	AA	GG	1940539388
SNP_P1_258181_1522	NW_004518254.1	Scaffold3596	1522	TT	GG	1940539390
SNP_P1_258182_1559	NW_004518254.1	Scaffold3596	1559	TT	CC	1940539393
SNP_P1_258183_1739	NW_004518254.1	Scaffold3596	1739	AA	GG	1940539395
SNP_P1_258184_1882	NW_004518254.1	Scaffold3596	1882	GG	AA	1940539397
SNP_P1_258185_1894	NW_004518254.1	Scaffold3596	1894	CC	AA	1940539399
SNP_P1_258186_1895	NW_004518254.1	Scaffold3596	1895	AA	TT	1940539401
SNP_P1_258187_2260	NW_004518254.1	Scaffold3596	2260	TT	AA	1940539403
SNP_P1_258188_2267	NW_004518254.1	Scaffold3596	2267	AA	GG	1940539405
SNP_P1_258189_2399	NW_004518254.1	Scaffold3596	2399	GG	AA	1940539407
SNP_P1_258190_2489	NW_004518254.1	Scaffold3596	2489	CC	AA	1940539409
SNP_P1_258191_2584	NW_004518254.1	Scaffold3596	2584	AA	TT	1940539412
SNP_P1_258192_2642	NW_004518254.1	Scaffold3596	2642	CC	TT	1940539414

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258195_2923	NW_004518254.1	Scaffold3596	2923	CC	TT	1940539420
SNP_P1_258196_374	NW_004518258.1	Scaffold3600	374	GG	AA	1940539422
SNP_P1_258197_430	NW_004518258.1	Scaffold3600	430	TT	CC	1940539424
SNP_P1_258198_517	NW_004518258.1	Scaffold3600	517	GG	AA	1940539426
SNP_P1_258199_631	NW_004518258.1	Scaffold3600	631	CC	TT	1940539428
SNP_P1_258200_813	NW_004518258.1	Scaffold3600	813	TT	CC	1940539430
SNP_P1_258201_821	NW_004518258.1	Scaffold3600	821	AA	CC	1940539433
SNP_P1_258202_885	NW_004518258.1	Scaffold3600	885	TT	GG	1940539435
SNP_P1_258203_930	NW_004518258.1	Scaffold3600	930	TT	GG	1940539437
SNP_P1_258204_1191	NW_004518258.1	Scaffold3600	1191	GG	AA	1940539439
SNP_P1_258205_1192	NW_004518258.1	Scaffold3600	1192	AA	TT	1940539441
SNP_P1_258206_1203	NW_004518258.1	Scaffold3600	1203	AA	CC	1940539443
SNP_P1_258207_3515	NW_004518258.1	Scaffold3600	3515	GG	CC	1940539445
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SNP_P1_258209_3647	NW_004518258.1	Scaffold3600	3647	AA	GG	1940539449
SNP_P1_258210_3685	NW_004518258.1	Scaffold3600	3685	GG	AA	1940539452
SNP_P1_258211_3747	NW_004518258.1	Scaffold3600	3747	GG	AA	1940539454
SNP_P1_258213_3927	NW_004518258.1	Scaffold3600	3927	AA	GG	1940539456
SNP_P1_258214_3964	NW_004518258.1	Scaffold3600	3964	GG	CC	1940539458
SNP_P1_258215_4185	NW_004518258.1	Scaffold3600	4185	TT	CC	1940539460
SNP_P1_258216_936	NW_004518259.1	Scaffold3601	936	GG	CC	1940539462
SNP_P1_258217_942	NW_004518259.1	Scaffold3601	942	AA	TT	1940539464
SNP_P1_258218_951	NW_004518259.1	Scaffold3601	951	CC	TT	1940539466
SNP_P1_258219_954	NW_004518259.1	Scaffold3601	954	GG	AA	1940539468
SNP_P1_258220_1403	NW_004518260.1	Scaffold3602	1403	GG	AA	1940539471
SNP_P1_258221_1406	NW_004518260.1	Scaffold3602	1406	TT	CC	1940539473
SNP_P1_258222_1413	NW_004518260.1	Scaffold3602	1413	CC	GG	1940539475
SNP_P1_258223_1415	NW_004518260.1	Scaffold3602	1415	TT	GG	1940539477
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SNP_P1_258225_1816	NW_004518260.1	Scaffold3602	1816	TT	GG	1940539481
SNP_P1_258226_1820	NW_004518260.1	Scaffold3602	1820	TT	CC	1940539483
SNP_P1_258227_1983	NW_004518260.1	Scaffold3602	1983	CC	TT	1940539485
SNP_P1_258228_2012	NW_004518260.1	Scaffold3602	2012	AA	GG	1940539487
SNP_P1_258229_2026	NW_004518260.1	Scaffold3602	2026	GG	TT	1940539490
SNP_P1_258230_4437	NW_004518260.1	Scaffold3602	4437	GG	TT	1940539492
SNP_P1_258231_211	NW_004518262.1	Scaffold3604	211	AA	GG	1940539494
SNP_P1_258232_734	NW_004518262.1	Scaffold3604	734	AA	GG	1940539496
SNP_P1_258234_237	NW_004518264.1	Scaffold3606	237	GG	AA	1940539498
SNP_P1_258235_2147	NW_004518265.1	Scaffold3608	2147	TT	GG	1940539500
SNP_P1_258236_185	NW_004518271.1	Scaffold3615	185	AA	GG	1940539502

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_258237_204	NW_004518271.1	Scaffold3615	204	CC	TT	1940539504
SNP_P1_258238_242	NW_004518271.1	Scaffold3615	242	AA	CC	1940539506
SNP_P1_258239_724	NW_004518271.1	Scaffold3615	724	AA	TT	1940539509
SNP_P1_258240_218	NW_004518272.1	Scaffold3616	218	AA	GG	1940539511
SNP_P1_258241_282	NW_004518272.1	Scaffold3616	282	AA	GG	1940539513
SNP_P1_258242_452	NW_004518272.1	Scaffold3616	452	AA	GG	1940539515
SNP_P1_258243_504	NW_004518272.1	Scaffold3616	504	AA	GG	1940539517
SNP_P1_258244_570	NW_004518272.1	Scaffold3616	570	AA	GG	1940539519
SNP_P1_258245_688	NW_004518272.1	Scaffold3616	688	TT	CC	1940539521
SNP_P1_258246_711	NW_004518272.1	Scaffold3616	711	AA	TT	1940539523
SNP_P1_258248_756	NW_004518272.1	Scaffold3616	756	CC	TT	1940539525
SNP_P1_258249_64	NW_004518275.1	Scaffold3619	64	GG	AA	1940539528
SNP_P1_258250_65	NW_004518275.1	Scaffold3619	65	CC	TT	1940539530
SNP_P1_258251_2141	NW_004518275.1	Scaffold3619	2141	TT	CC	1940539532
SNP_P1_258252_2144	NW_004518275.1	Scaffold3619	2144	AA	GG	1940539534
SNP_P1_258253_694	NW_004518277.1	Scaffold3621	694	GG	AA	1940539536
SNP_P1_258254_2164	NW_004518277.1	Scaffold3621	2164	AA	TT	1940539538
SNP_P1_258255_2178	NW_004518277.1	Scaffold3621	2178	AA	TT	1940539540
SNP_P1_258256_4470	NW_004518277.1	Scaffold3621	4470	TT	CC	1940539542
SNP_P1_258257_379	NW_004518282.1	Scaffold3628	379	TT	CC	1940539544
SNP_P1_258258_486	NW_004518282.1	Scaffold3628	486	TT	GG	1940539546
SNP_P1_258259_497	NW_004518282.1	Scaffold3628	497	GG	AA	1940539549
SNP_P1_258260_931	NW_004518282.1	Scaffold3628	931	TT	CC	1940539551
SNP_P1_258261_935	NW_004518282.1	Scaffold3628	935	AA	TT	1940539553
SNP_P1_258262_956	NW_004518282.1	Scaffold3628	956	CC	TT	1940539555
SNP_P1_258263_1066	NW_004518282.1	Scaffold3628	1066	CC	GG	1940539557
SNP_P1_258264_1105	NW_004518282.1	Scaffold3628	1105	AA	GG	1940539559
SNP_P1_258265_1199	NW_004518282.1	Scaffold3628	1199	TT	CC	1940539561
SNP_P1_258266_1974	NW_004518282.1	Scaffold3628	1974	TT	CC	1940539563
SNP_P1_258267_1975	NW_004518282.1	Scaffold3628	1975	AA	TT	1940539565
SNP_P1_258268_1981	NW_004518282.1	Scaffold3628	1981	TT	CC	1940539568
SNP_P1_258269_2251	NW_004518282.1	Scaffold3628	2251	CC	TT	1940539570
SNP_P1_258270_4127	NW_004518282.1	Scaffold3628	4127	CC	TT	1940539572
SNP_P1_258272_4377	NW_004518282.1	Scaffold3628	4377	AA	GG	1940539574
SNP_P1_258273_4420	NW_004518282.1	Scaffold3628	4420	CC	GG	1940539576
SNP_P1_258274_397	NW_004518283.1	Scaffold3631	397	GG	TT	1940539578
SNP_P1_258275_8947	NW_004518283.1	Scaffold3631	8947	CC	GG	1940539580
SNP_P1_258276_9395	NW_004518283.1	Scaffold3631	9395	AA	TT	1940539582
SNP_P1_258277_9448	NW_004518283.1	Scaffold3631	9448	CC	GG	1940539584
SNP_P1_258278_9540	NW_004518283.1	Scaffold3631	9540	AA	TT	1940539587
SNP_P1_258279_9611	NW_004518283.1	Scaffold3631	9611	AA	CC	1940539589
SNP_P1_258280_9626	NW_004518283.1	Scaffold3631	9626	TT	AA	1940539591

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258283_11792	NW_004518283.1	Scaffold3631	11792	CC	TT	1940539597
SNP_P1_258284_12098	NW_004518283.1	Scaffold3631	12098	CC	TT	1940539599
SNP_P1_258285_12103	NW_004518283.1	Scaffold3631	12103	CC	TT	1940539601
SNP_P1_258287_12198	NW_004518283.1	Scaffold3631	12198	CC	GG	1940539603
SNP_P1_258288_12995	NW_004518283.1	Scaffold3631	12995	AA	TT	1940539605
SNP_P1_258289_13028	NW_004518283.1	Scaffold3631	13028	AA	GG	1940539608
SNP_P1_258290_13283	NW_004518283.1	Scaffold3631	13283	GG	AA	1940539610
SNP_P1_258291_67	NW_004518284.1	Scaffold3632	67	TT	CC	1940539612
SNP_P1_258292_998	NW_004518284.1	Scaffold3632	998	TT	CC	1940539614
SNP_P1_258293_11061	NW_004518286.1	Scaffold3637	11061	TT	CC	1940539616
SNP_P1_258294_11075	NW_004518286.1	Scaffold3637	11075	AA	TT	1940539618
SNP_P1_258295_11092	NW_004518286.1	Scaffold3637	11092	TT	AA	1940539620
SNP_P1_258296_11122	NW_004518286.1	Scaffold3637	11122	TT	CC	1940539622
SNP_P1_258297_11693	NW_004518286.1	Scaffold3637	11693	CC	GG	1940539624
SNP_P1_258298_12039	NW_004518286.1	Scaffold3637	12039	TT	AA	1940539627
SNP_P1_258299_12148	NW_004518286.1	Scaffold3637	12148	TT	AA	1940539629
SNP_P1_258300_12157	NW_004518286.1	Scaffold3637	12157	TT	AA	1940539631
SNP_P1_258301_12175	NW_004518286.1	Scaffold3637	12175	GG	AA	1940539633
SNP_P1_258302_12190	NW_004518286.1	Scaffold3637	12190	TT	CC	1940539635
SNP_P1_258303_12192	NW_004518286.1	Scaffold3637	12192	TT	GG	1940539637
SNP_P1_258304_12203	NW_004518286.1	Scaffold3637	12203	CC	AA	1940539639
SNP_P1_258305_12205	NW_004518286.1	Scaffold3637	12205	GG	TT	1940539641
SNP_P1_258306_13128	NW_004518286.1	Scaffold3637	13128	TT	CC	1940539643
SNP_P1_258307_1004	NW_004518288.1	Scaffold3640	1004	GG	CC	1940539646
SNP_P1_258308_1132	NW_004518288.1	Scaffold3640	1132	CC	TT	1940539648
SNP_P1_258309_208	NW_004518289.1	Scaffold3643	208	CC	GG	1940539650
SNP_P1_258310_1100	NW_004518289.1	Scaffold3643	1100	GG	AA	1940539652
SNP_P1_258311_1140	NW_004518289.1	Scaffold3643	1140	GG	AA	1940539654
SNP_P1_258312_1456	NW_004518289.1	Scaffold3643	1456	GG	CC	1940539656
SNP_P1_258313_1473	NW_004518289.1	Scaffold3643	1473	TT	CC	1940539658
SNP_P1_258314_22088	NW_004518289.1	Scaffold3643	22088	AA	TT	1940539660
SNP_P1_258315_22120	NW_004518289.1	Scaffold3643	22120	GG	CC	1940539662
SNP_P1_258316_22286	NW_004518289.1	Scaffold3643	22286	AA	GG	1940539665
SNP_P1_258317_22322	NW_004518289.1	Scaffold3643	22322	AA	TT	1940539667
SNP_P1_258318_22449	NW_004518289.1	Scaffold3643	22449	GG	AA	1940539669
SNP_P1_258319_22476	NW_004518289.1	Scaffold3643	22476	CC	TT	1940539671
SNP_P1_258321_22595	NW_004518289.1	Scaffold3643	22595	GG	AA	1940539673
SNP_P1_258322_22602	NW_004518289.1	Scaffold3643	22602	TT	AA	1940539675
SNP_P1_258324_22979	NW_004518289.1	Scaffold3643	22979	GG	AA	1940539677
SNP_P1_258325_23166	NW_004518289.1	Scaffold3643	23166	CC	TT	1940539679

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258327_24126	NW_004518289.1	Scaffold3643	24126	GG	TT	1940539684
SNP_P1_258328_24391	NW_004518289.1	Scaffold3643	24391	CC	GG	1940539686
SNP_P1_258329_24464	NW_004518289.1	Scaffold3643	24464	AA	GG	1940539688
SNP_P1_258330_24614	NW_004518289.1	Scaffold3643	24614	CC	TT	1940539690
SNP_P1_258331_24682	NW_004518289.1	Scaffold3643	24682	AA	GG	1940539692
SNP_P1_258332_24888	NW_004518289.1	Scaffold3643	24888	AA	CC	1940539694
SNP_P1_258333_97	NW_004518290.1	Scaffold3644	97	AA	GG	1940539696
SNP_P1_258334_110	NW_004518290.1	Scaffold3644	110	GG	CC	1940539698
SNP_P1_258335_131	NW_004518290.1	Scaffold3644	131	CC	TT	1940539700
SNP_P1_258336_502	NW_004518290.1	Scaffold3644	502	GG	TT	1940539703
SNP_P1_258337_764	NW_004518290.1	Scaffold3644	764	GG	AA	1940539705
SNP_P1_258338_774	NW_004518290.1	Scaffold3644	774	GG	AA	1940539707
SNP_P1_258339_776	NW_004518290.1	Scaffold3644	776	CC	TT	1940539709
SNP_P1_258340_879	NW_004518290.1	Scaffold3644	879	GG	AA	1940539711
SNP_P1_258341_933	NW_004518290.1	Scaffold3644	933	TT	GG	1940539713
SNP_P1_258342_988	NW_004518290.1	Scaffold3644	988	GG	CC	1940539715
SNP_P1_258343_1031	NW_004518290.1	Scaffold3644	1031	TT	AA	1940539717
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SNP_P1_258347_1226	NW_004518290.1	Scaffold3644	1226	CC	TT	1940539726
SNP_P1_258348_1303	NW_004518290.1	Scaffold3644	1303	CC	GG	1940539728
SNP_P1_258349_1318	NW_004518290.1	Scaffold3644	1318	GG	CC	1940539730
SNP_P1_258350_1323	NW_004518290.1	Scaffold3644	1323	TT	AA	1940539732
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SNP_P1_258352_1688	NW_004518290.1	Scaffold3644	1688	CC	AA	1940539736
SNP_P1_258353_1967	NW_004518290.1	Scaffold3644	1967	AA	TT	1940539738
SNP_P1_258354_1978	NW_004518290.1	Scaffold3644	1978	CC	AA	1940539740
SNP_P1_258355_1983	NW_004518290.1	Scaffold3644	1983	TT	CC	1940539743
SNP_P1_258356_1991	NW_004518290.1	Scaffold3644	1991	TT	CC	1940539745
SNP_P1_258357_2004	NW_004518290.1	Scaffold3644	2004	AA	CC	1940539747
SNP_P1_258358_2020	NW_004518290.1	Scaffold3644	2020	AA	TT	1940539749
SNP_P1_258359_2027	NW_004518290.1	Scaffold3644	2027	TT	GG	1940539751
SNP_P1_258360_2037	NW_004518290.1	Scaffold3644	2037	AA	CC	1940539753
SNP_P1_258361_2062	NW_004518290.1	Scaffold3644	2062	AA	CC	1940539755
SNP_P1_258362_2068	NW_004518290.1	Scaffold3644	2068	CC	AA	1940539757
SNP_P1_258363_2069	NW_004518290.1	Scaffold3644	2069	TT	CC	1940539759
SNP_P1_258364_2096	NW_004518290.1	Scaffold3644	2096	TT	GG	1940539761
SNP_P1_258365_2149	NW_004518290.1	Scaffold3644	2149	GG	TT	1940539764
SNP_P1_258366_2193	NW_004518290.1	Scaffold3644	2193	GG	TT	1940539766
SNP_P1_258367_2492	NW_004518290.1	Scaffold3644	2492	AA	TT	1940539768

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258369_403	NW_004518291.1	Scaffold3645	403	AA	CC	1940539772
SNP_P1_258370_472	NW_004518291.1	Scaffold3645	472	AA	GG	1940539774
SNP_P1_258371_7607	NW_004518291.1	Scaffold3645	7607	CC	TT	1940539776
SNP_P1_258372_19400	NW_004518291.1	Scaffold3645	19400	CC	TT	1940539778
SNP_P1_258373_23638	NW_004518291.1	Scaffold3645	23638	AA	GG	1940539780
SNP_P1_258374_4758	NW_004518292.1	Scaffold3651	4758	TT	CC	1940539783
SNP_P1_258375_5208	NW_004518292.1	Scaffold3651	5208	CC	AA	1940539785
SNP_P1_258376_5353	NW_004518292.1	Scaffold3651	5353	CC	TT	1940539787
SNP_P1_258377_6123	NW_004518292.1	Scaffold3651	6123	CC	TT	1940539789
SNP_P1_258378_6126	NW_004518292.1	Scaffold3651	6126	CC	TT	1940539791
SNP_P1_258379_6136	NW_004518292.1	Scaffold3651	6136	CC	TT	1940539793
SNP_P1_258380_6165	NW_004518292.1	Scaffold3651	6165	CC	AA	1940539795
SNP_P1_258381_6227	NW_004518292.1	Scaffold3651	6227	AA	CC	1940539797
SNP_P1_258382_6228	NW_004518292.1	Scaffold3651	6228	TT	CC	1940539799
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SNP_P1_258386_6749	NW_004518292.1	Scaffold3651	6749	TT	CC	1940539808
SNP_P1_258387_6750	NW_004518292.1	Scaffold3651	6750	TT	CC	1940539810
SNP_P1_258388_7274	NW_004518292.1	Scaffold3651	7274	CC	TT	1940539812
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SNP_P1_258393_7745	NW_004518292.1	Scaffold3651	7745	GG	AA	1940539823
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SNP_P1_258395_7988	NW_004518292.1	Scaffold3651	7988	GG	CC	1940539827
SNP_P1_258396_532	NW_004518298.1	Scaffold3657	532	AA	TT	1940539829
SNP_P1_258397_809	NW_004518298.1	Scaffold3657	809	TT	CC	1940539831
SNP_P1_258399_1821	NW_004518299.1	Scaffold3658	1821	TT	AA	1940539833
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SNP_P1_258401_2465	NW_004518299.1	Scaffold3658	2465	CC	TT	1940539837
SNP_P1_258402_2649	NW_004518299.1	Scaffold3658	2649	CC	TT	1940539839
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SNP_P1_258406_1768	NW_004518300.1	Scaffold3659	1768	AA	GG	1940539846
SNP_P1_258408_6924	NW_004518300.1	Scaffold3659	6924	GG	AA	1940539848
SNP_P1_258409_6938	NW_004518300.1	Scaffold3659	6938	TT	GG	1940539850
SNP_P1_258410_6953	NW_004518300.1	Scaffold3659	6953	CC	TT	1940539852
SNP_P1_258411_7146	NW_004518300.1	Scaffold3659	7146	CC	TT	1940539854
SNP_P1_258412_7194	NW_004518300.1	Scaffold3659	7194	AA	CC	1940539856

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258415_7453	NW_004518300.1	Scaffold3659	7453	TT	AA	1940539863
SNP_P1_258416_7529	NW_004518300.1	Scaffold3659	7529	GG	CC	1940539865
SNP_P1_258417_7541	NW_004518300.1	Scaffold3659	7541	AA	TT	1940539867
SNP_P1_258418_7644	NW_004518300.1	Scaffold3659	7644	TT	AA	1940539869
SNP_P1_258419_7675	NW_004518300.1	Scaffold3659	7675	GG	CC	1940539871
SNP_P1_258420_7693	NW_004518300.1	Scaffold3659	7693	CC	AA	1940539873
SNP_P1_258421_404	NW_004518301.1	Scaffold3660	404	CC	GG	1940539875
SNP_P1_258422_481	NW_004518301.1	Scaffold3660	481	AA	CC	1940539877
SNP_P1_258423_589	NW_004518301.1	Scaffold3660	589	CC	GG	1940539879
SNP_P1_258424_631	NW_004518301.1	Scaffold3660	631	TT	CC	1940539882
SNP_P1_258425_635	NW_004518301.1	Scaffold3660	635	TT	AA	1940539884
SNP_P1_258426_723	NW_004518301.1	Scaffold3660	723	GG	AA	1940539886
SNP_P1_258427_736	NW_004518301.1	Scaffold3660	736	TT	AA	1940539888
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SNP_P1_258429_967	NW_004518301.1	Scaffold3660	967	TT	CC	1940539892
SNP_P1_258430_1017	NW_004518301.1	Scaffold3660	1017	TT	CC	1940539894
SNP_P1_258431_1039	NW_004518301.1	Scaffold3660	1039	CC	GG	1940539896
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SNP_P1_258447_4509	NW_004518304.1	Scaffold3663	4509	AA	TT	1940539926
SNP_P1_258448_6965	NW_004518304.1	Scaffold3663	6965	AA	GG	1940539928
SNP_P1_258449_7344	NW_004518304.1	Scaffold3663	7344	CC	AA	1940539930
SNP_P1_258450_7431	NW_004518304.1	Scaffold3663	7431	AA	TT	1940539932
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SNP_P1_258452_9222	NW_004518304.1	Scaffold3663	9222	GG	AA	1940539936
SNP_P1_258453_13885	NW_004518304.1	Scaffold3663	13885	CC	AA	1940539938
SNP_P1_258454_13952	NW_004518304.1	Scaffold3663	13952	TT	GG	1940539941
SNP_P1_258455_14086	NW_004518304.1	Scaffold3663	14086	CC	TT	1940539943
SNP_P1_258456_14252	NW_004518304.1	Scaffold3663	14252	GG	AA	1940539945

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_258457_14335	NW_004518304.1	Scaffold3663	14335	TT	CC	1940539947
SNP_P1_258458_14369	NW_004518304.1	Scaffold3663	14369	AA	GG	1940539949
SNP_P1_258459_14406	NW_004518304.1	Scaffold3663	14406	AA	GG	1940539951
SNP_P1_258460_3290	NW_004518305.1	Scaffold3664	3290	CC	GG	1940539953
SNP_P1_258462_3384	NW_004518305.1	Scaffold3664	3384	CC	AA	1940539955
SNP_P1_258463_3642	NW_004518305.1	Scaffold3664	3642	TT	AA	1940539957
SNP_P1_258464_832	NW_004518307.1	Scaffold3666	832	GG	AA	1940539960
SNP_P1_258465_2091	NW_004518307.1	Scaffold3666	2091	GG	AA	1940539962
SNP_P1_258466_2238	NW_004518307.1	Scaffold3666	2238	TT	AA	1940539964
SNP_P1_258467_2240	NW_004518307.1	Scaffold3666	2240	AA	TT	1940539966
SNP_P1_258468_2599	NW_004518307.1	Scaffold3666	2599	CC	TT	1940539968
SNP_P1_258469_2620	NW_004518307.1	Scaffold3666	2620	CC	TT	1940539970
SNP_P1_258470_3176	NW_004518307.1	Scaffold3666	3176	GG	AA	1940539972
SNP_P1_258471_3177	NW_004518307.1	Scaffold3666	3177	AA	TT	1940539974
SNP_P1_258473_3393	NW_004518307.1	Scaffold3666	3393	GG	AA	1940539976
SNP_P1_258474_3395	NW_004518307.1	Scaffold3666	3395	AA	GG	1940539978
SNP_P1_258475_3490	NW_004518307.1	Scaffold3666	3490	TT	GG	1940539981
SNP_P1_258477_3957	NW_004518307.1	Scaffold3666	3957	GG	AA	1940539983
SNP_P1_258478_4073	NW_004518307.1	Scaffold3666	4073	AA	TT	1940539985
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SNP_P1_258480_1116	NW_004518308.1	Scaffold3668	1116	CC	GG	1940539989
SNP_P1_258482_707	NW_004518311.1	Scaffold3672	707	AA	GG	1940539991
SNP_P1_258483_642	NW_004518312.1	Scaffold3673	642	CC	GG	1940539993
SNP_P1_258484_1614	NW_004518312.1	Scaffold3673	1614	TT	CC	1940539995
SNP_P1_258486_1660	NW_004518312.1	Scaffold3673	1660	AA	GG	1940539997
SNP_P1_258487_1675	NW_004518312.1	Scaffold3673	1675	GG	AA	1940539999
SNP_P1_258488_1881	NW_004518312.1	Scaffold3673	1881	CC	TT	1940540002
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SNP_P1_258490_111	NW_004518315.1	Scaffold3676	111	GG	AA	1940540006
SNP_P1_258491_298	NW_004518315.1	Scaffold3676	298	GG	CC	1940540008
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SNP_P1_258493_602	NW_004518315.1	Scaffold3676	602	GG	AA	1940540012
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SNP_P1_258500_4661	NW_004518315.1	Scaffold3676	4661	CC	TT	1940540027
SNP_P1_258501_4700	NW_004518315.1	Scaffold3676	4700	CC	TT	1940540029
SNP_P1_258502_4718	NW_004518315.1	Scaffold3676	4718	AA	GG	1940540031
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258507_5183	NW_004518315.1	Scaffold3676	5183	GG	CC	1940540042
SNP_P1_258508_5217	NW_004518315.1	Scaffold3676	5217	AA	TT	1940540044
SNP_P1_258509_5243	NW_004518315.1	Scaffold3676	5243	GG	TT	1940540046
SNP_P1_258510_5323	NW_004518315.1	Scaffold3676	5323	AA	CC	1940540048
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SNP_P1_258512_7054	NW_004518315.1	Scaffold3676	7054	AA	CC	1940540052
SNP_P1_258513_7287	NW_004518315.1	Scaffold3676	7287	CC	AA	1940540054
SNP_P1_258514_7296	NW_004518315.1	Scaffold3676	7296	CC	GG	1940540056
SNP_P1_258515_7400	NW_004518315.1	Scaffold3676	7400	CC	AA	1940540058
SNP_P1_258516_7642	NW_004518315.1	Scaffold3676	7642	CC	TT	1940540061
SNP_P1_258517_7651	NW_004518315.1	Scaffold3676	7651	CC	TT	1940540063
SNP_P1_258518_7677	NW_004518315.1	Scaffold3676	7677	AA	CC	1940540065
SNP_P1_258519_7680	NW_004518315.1	Scaffold3676	7680	CC	TT	1940540067
SNP_P1_258520_7707	NW_004518315.1	Scaffold3676	7707	AA	GG	1940540069
SNP_P1_258521_8143	NW_004518315.1	Scaffold3676	8143	TT	AA	1940540071
SNP_P1_258522_8234	NW_004518315.1	Scaffold3676	8234	TT	AA	1940540073
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SNP_P1_258534_12640	NW_004518315.1	Scaffold3676	12640	TT	AA	1940540099
SNP_P1_258535_12722	NW_004518315.1	Scaffold3676	12722	GG	TT	1940540101
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SNP_P1_258542_13272	NW_004518315.1	Scaffold3676	13272	AA	GG	1940540115
SNP_P1_258543_13286	NW_004518315.1	Scaffold3676	13286	CC	TT	1940540118
SNP_P1_258544_28980	NW_004518315.1	Scaffold3676	28980	CC	AA	1940540120
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258548_627	NW_004518318.1	Scaffold3681	627	TT	CC	1940540128
SNP_P1_258549_1292	NW_004518319.1	Scaffold3682	1292	TT	CC	1940540130
SNP_P1_258550_441	NW_004518322.1	Scaffold3685	441	AA	GG	1940540132
SNP_P1_258551_523	NW_004518322.1	Scaffold3685	523	CC	GG	1940540134
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SNP_P1_258553_571	NW_004518322.1	Scaffold3685	571	AA	CC	1940540139
SNP_P1_258554_839	NW_004518322.1	Scaffold3685	839	TT	AA	1940540141
SNP_P1_258555_847	NW_004518322.1	Scaffold3685	847	AA	GG	1940540143
SNP_P1_258556_856	NW_004518322.1	Scaffold3685	856	CC	GG	1940540145
SNP_P1_258557_61480	NW_004518323.1	Scaffold3687	61480	CC	TT	1940540147
SNP_P1_258558_61488	NW_004518323.1	Scaffold3687	61488	CC	AA	1940540149
SNP_P1_258559_63782	NW_004518323.1	Scaffold3687	63782	CC	TT	1940540151
SNP_P1_258560_64100	NW_004518323.1	Scaffold3687	64100	AA	GG	1940540153
SNP_P1_258561_65068	NW_004518323.1	Scaffold3687	65068	AA	GG	1940540156
SNP_P1_258562_65449	NW_004518323.1	Scaffold3687	65449	GG	TT	1940540158
SNP_P1_258563_65879	NW_004518323.1	Scaffold3687	65879	AA	GG	1940540160
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SNP_P1_258573_119782	NW_004518323.1	Scaffold3687	119782	AA	GG	1940540177
SNP_P1_258574_131735	NW_004518323.1	Scaffold3687	131735	CC	TT	1940540179
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SNP_P1_258577_132043	NW_004518323.1	Scaffold3687	132043	AA	GG	1940540185
SNP_P1_258578_132048	NW_004518323.1	Scaffold3687	132048	CC	AA	1940540187
SNP_P1_258579_132100	NW_004518323.1	Scaffold3687	132100	TT	CC	1940540189
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SNP_P1_258582_132283	NW_004518323.1	Scaffold3687	132283	TT	CC	1940540196
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SNP_P1_258586_140724	NW_004518323.1	Scaffold3687	140724	GG	AA	1940540204
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SNP_P1_258589_140922	NW_004518323.1	Scaffold3687	140922	CC	AA	1940540210

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258593_142583	NW_004518323.1	Scaffold3687	142583	AA	GG	1940540219
SNP_P1_258594_142594	NW_004518323.1	Scaffold3687	142594	AA	CC	1940540221
SNP_P1_258596_67	NW_004518325.1	Scaffold3689	67	AA	CC	1940540223
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SNP_P1_258598_626	NW_004518325.1	Scaffold3689	626	GG	TT	1940540227
SNP_P1_258599_635	NW_004518325.1	Scaffold3689	635	AA	GG	1940540229
SNP_P1_258600_15535	NW_004518325.1	Scaffold3689	15535	GG	AA	1940540231
SNP_P1_258601_15592	NW_004518325.1	Scaffold3689	15592	GG	CC	1940540233
SNP_P1_258602_15659	NW_004518325.1	Scaffold3689	15659	CC	AA	1940540236
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SNP_P1_258604_16055	NW_004518325.1	Scaffold3689	16055	GG	AA	1940540241
SNP_P1_258605_16103	NW_004518325.1	Scaffold3689	16103	TT	CC	1940540244
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258639_568	NW_004518334.1	Scaffold3698	568	TT	AA	1940540310
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SNP_P1_258641_2849	NW_004518334.1	Scaffold3698	2849	CC	AA	1940540314
SNP_P1_258642_2881	NW_004518334.1	Scaffold3698	2881	GG	AA	1940540316
SNP_P1_258643_426	NW_004518335.1	Scaffold3700	426	CC	TT	1940540318
SNP_P1_258644_657	NW_004518335.1	Scaffold3700	657	CC	AA	1940540320
SNP_P1_258645_724	NW_004518335.1	Scaffold3700	724	CC	TT	1940540323
SNP_P1_258646_739	NW_004518335.1	Scaffold3700	739	TT	AA	1940540325
SNP_P1_258647_860	NW_004518335.1	Scaffold3700	860	CC	AA	1940540327
SNP_P1_258648_1007	NW_004518335.1	Scaffold3700	1007	AA	GG	1940540329
SNP_P1_258649_1065	NW_004518335.1	Scaffold3700	1065	TT	AA	1940540331
SNP_P1_258650_1111	NW_004518335.1	Scaffold3700	1111	TT	AA	1940540333
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SNP_P1_258652_395	NW_004518339.1	Scaffold3705	395	GG	TT	1940540337
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SNP_P1_258667_103	NW_004518341.1	Scaffold3707	103	AA	GG	1940540367
SNP_P1_258668_123	NW_004518341.1	Scaffold3707	123	CC	TT	1940540369
SNP_P1_258669_238	NW_004518341.1	Scaffold3707	238	TT	CC	1940540371
SNP_P1_258670_297	NW_004518341.1	Scaffold3707	297	AA	GG	1940540373
SNP_P1_258671_307	NW_004518341.1	Scaffold3707	307	GG	AA	1940540375
SNP_P1_258672_763	NW_004518341.1	Scaffold3707	763	AA	TT	1940540377
SNP_P1_258674_1087	NW_004518341.1	Scaffold3707	1087	TT	AA	1940540380
SNP_P1_258675_1387	NW_004518341.1	Scaffold3707	1387	GG	AA	1940540382
SNP_P1_258676_1528	NW_004518341.1	Scaffold3707	1528	TT	CC	1940540384
SNP_P1_258677_1533	NW_004518341.1	Scaffold3707	1533	GG	TT	1940540386
SNP_P1_258678_1590	NW_004518341.1	Scaffold3707	1590	TT	AA	1940540388
SNP_P1_258679_1593	NW_004518341.1	Scaffold3707	1593	TT	GG	1940540390
SNP_P1_258680_1693	NW_004518341.1	Scaffold3707	1693	CC	TT	1940540392

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_258681_1715	NW_004518341.1	Scaffold3707	1715	GG	AA	1940540394
SNP_P1_258682_1733	NW_004518341.1	Scaffold3707	1733	GG	TT	1940540396
SNP_P1_258683_1807	NW_004518341.1	Scaffold3707	1807	AA	CC	1940540398
SNP_P1_258684_1882	NW_004518341.1	Scaffold3707	1882	CC	AA	1940540401
SNP_P1_258685_2218	NW_004518341.1	Scaffold3707	2218	CC	TT	1940540403
SNP_P1_258686_4037	NW_004518341.1	Scaffold3707	4037	CC	TT	1940540405
SNP_P1_258687_67	NW_004518342.1	Scaffold3708	67	GG	AA	1940540407
SNP_P1_258688_472	NW_004518342.1	Scaffold3708	472	TT	AA	1940540409
SNP_P1_258689_482	NW_004518342.1	Scaffold3708	482	AA	TT	1940540411
SNP_P1_258690_673	NW_004518342.1	Scaffold3708	673	GG	AA	1940540413
SNP_P1_258691_1119	NW_004518342.1	Scaffold3708	1119	GG	AA	1940540415
SNP_P1_258692_1331	NW_004518342.1	Scaffold3708	1331	AA	TT	1940540417
SNP_P1_258693_642	NW_004518344.1	Scaffold3714	642	TT	CC	1940540419
SNP_P1_258694_669	NW_004518344.1	Scaffold3714	669	AA	CC	1940540422
SNP_P1_258695_687	NW_004518344.1	Scaffold3714	687	TT	GG	1940540424
SNP_P1_258696_696	NW_004518344.1	Scaffold3714	696	AA	GG	1940540426
SNP_P1_258697_699	NW_004518344.1	Scaffold3714	699	AA	CC	1940540428
SNP_P1_258698_854	NW_004518344.1	Scaffold3714	854	AA	TT	1940540430
SNP_P1_258699_879	NW_004518344.1	Scaffold3714	879	TT	CC	1940540432
SNP_P1_258700_887	NW_004518344.1	Scaffold3714	887	TT	AA	1940540434
SNP_P1_258701_896	NW_004518344.1	Scaffold3714	896	CC	AA	1940540436
SNP_P1_258702_1076	NW_004518344.1	Scaffold3714	1076	GG	AA	1940540438
SNP_P1_258703_675	NW_004518347.1	Scaffold3718	675	GG	CC	1940540441
SNP_P1_258704_845	NW_004518347.1	Scaffold3718	845	AA	CC	1940540443
SNP_P1_258705_1051	NW_004518351.1	Scaffold3722	1051	TT	CC	1940540445
SNP_P1_258706_1840	NW_004518351.1	Scaffold3722	1840	AA	CC	1940540447
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SNP_P1_258708_1844	NW_004518351.1	Scaffold3722	1844	GG	AA	1940540451
SNP_P1_258709_1869	NW_004518351.1	Scaffold3722	1869	CC	GG	1940540453
SNP_P1_258710_1303	NW_004518353.1	Scaffold3724	1303	AA	TT	1940540455
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SNP_P1_258715_80349	NW_004518353.1	Scaffold3724	80349	GG	TT	1940540464
SNP_P1_258716_84411	NW_004518353.1	Scaffold3724	84411	CC	AA	1940540466
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SNP_P1_258719_90972	NW_004518353.1	Scaffold3724	90972	TT	GG	1940540472
SNP_P1_258720_98569	NW_004518353.1	Scaffold3724	98569	GG	AA	1940540474
SNP_P1_258721_99746	NW_004518353.1	Scaffold3724	99746	GG	AA	1940540476
SNP_P1_258722_465	NW_004518357.1	Scaffold3728	465	GG	AA	1940540478
SNP_P1_258723_489	NW_004518357.1	Scaffold3728	489	GG	AA	1940540481

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258726_8048	NW_004518357.1	Scaffold3728	8048	AA	GG	1940540487
SNP_P1_258727_502	NW_004518359.1	Scaffold3731	502	CC	TT	1940540489
SNP_P1_258728_792	NW_004518359.1	Scaffold3731	792	TT	CC	1940540491
SNP_P1_258729_834	NW_004518359.1	Scaffold3731	834	GG	TT	1940540493
SNP_P1_258730_846	NW_004518359.1	Scaffold3731	846	TT	GG	1940540495
SNP_P1_258731_852	NW_004518359.1	Scaffold3731	852	AA	TT	1940540497
SNP_P1_258732_879	NW_004518359.1	Scaffold3731	879	CC	TT	1940540500
SNP_P1_258734_894	NW_004518359.1	Scaffold3731	894	TT	AA	1940540502
SNP_P1_258735_897	NW_004518359.1	Scaffold3731	897	GG	TT	1940540504
SNP_P1_258736_915	NW_004518359.1	Scaffold3731	915	TT	GG	1940540506
SNP_P1_258737_921	NW_004518359.1	Scaffold3731	921	GG	AA	1940540508
SNP_P1_258738_930	NW_004518359.1	Scaffold3731	930	GG	TT	1940540510
SNP_P1_258739_945	NW_004518359.1	Scaffold3731	945	AA	TT	1940540512
SNP_P1_258740_951	NW_004518359.1	Scaffold3731	951	GG	AA	1940540514
SNP_P1_258741_966	NW_004518359.1	Scaffold3731	966	TT	GG	1940540516
SNP_P1_258742_976	NW_004518359.1	Scaffold3731	976	GG	AA	1940540519
SNP_P1_258743_977	NW_004518359.1	Scaffold3731	977	TT	CC	1940540521
SNP_P1_258744_980	NW_004518359.1	Scaffold3731	980	AA	TT	1940540523
SNP_P1_258745_984	NW_004518359.1	Scaffold3731	984	AA	GG	1940540525
SNP_P1_258746_988	NW_004518359.1	Scaffold3731	988	TT	AA	1940540527
SNP_P1_258747_102	NW_004518366.1	Scaffold3742	102	GG	CC	1940540529
SNP_P1_258748_207	NW_004518366.1	Scaffold3742	207	TT	AA	1940540531
SNP_P1_258749_374	NW_004518366.1	Scaffold3742	374	TT	CC	1940540533
SNP_P1_258750_405	NW_004518366.1	Scaffold3742	405	AA	TT	1940540535
SNP_P1_258751_439	NW_004518366.1	Scaffold3742	439	AA	GG	1940540537
SNP_P1_258753_603	NW_004518366.1	Scaffold3742	603	CC	TT	1940540539
SNP_P1_258754_643	NW_004518366.1	Scaffold3742	643	CC	GG	1940540542
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SNP_P1_258756_688	NW_004518366.1	Scaffold3742	688	TT	CC	1940540546
SNP_P1_258757_732	NW_004518366.1	Scaffold3742	732	AA	TT	1940540548
SNP_P1_258758_1297	NW_004518366.1	Scaffold3742	1297	CC	AA	1940540550
SNP_P1_258759_3733	NW_004518366.1	Scaffold3742	3733	CC	AA	1940540552
SNP_P1_258761_4056	NW_004518366.1	Scaffold3742	4056	AA	GG	1940540554
SNP_P1_258762_4063	NW_004518366.1	Scaffold3742	4063	AA	CC	1940540556
SNP_P1_258763_4088	NW_004518366.1	Scaffold3742	4088	GG	TT	1940540558
SNP_P1_258764_4135	NW_004518366.1	Scaffold3742	4135	AA	TT	1940540561
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SNP_P1_258766_6756	NW_004518366.1	Scaffold3742	6756	CC	TT	1940540565
SNP_P1_258767_10167	NW_004518366.1	Scaffold3742	10167	GG	AA	1940540567
SNP_P1_258768_10510	NW_004518366.1	Scaffold3742	10510	AA	TT	1940540569

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258772_10655	NW_004518366.1	Scaffold3742	10655	GG	CC	1940540577
SNP_P1_258773_11065	NW_004518366.1	Scaffold3742	11065	AA	CC	1940540580
SNP_P1_258774_11362	NW_004518366.1	Scaffold3742	11362	TT	CC	1940540582
SNP_P1_258775_11373	NW_004518366.1	Scaffold3742	11373	AA	GG	1940540584
SNP_P1_258776_11469	NW_004518366.1	Scaffold3742	11469	TT	AA	1940540586
SNP_P1_258777_11517	NW_004518366.1	Scaffold3742	11517	CC	TT	1940540588
SNP_P1_258778_11563	NW_004518366.1	Scaffold3742	11563	CC	TT	1940540590
SNP_P1_258779_11682	NW_004518366.1	Scaffold3742	11682	TT	AA	1940540592
SNP_P1_258781_15048	NW_004518366.1	Scaffold3742	15048	CC	TT	1940540594
SNP_P1_258782_4666	NW_004518368.1	Scaffold3744	4666	TT	GG	1940540596
SNP_P1_258783_9361	NW_004518368.1	Scaffold3744	9361	GG	CC	1940540599
SNP_P1_258784_9687	NW_004518368.1	Scaffold3744	9687	TT	AA	1940540601
SNP_P1_258785_10248	NW_004518368.1	Scaffold3744	10248	AA	GG	1940540603
SNP_P1_258786_10304	NW_004518368.1	Scaffold3744	10304	TT	GG	1940540605
SNP_P1_258787_234	NW_004518369.1	Scaffold3745	234	AA	TT	1940540607
SNP_P1_258788_271	NW_004518369.1	Scaffold3745	271	AA	GG	1940540609
SNP_P1_258789_2888	NW_004518369.1	Scaffold3745	2888	CC	GG	1940540611
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SNP_P1_258797_234	NW_004518379.1	Scaffold3757	234	AA	GG	1940540628
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SNP_P1_258799_537	NW_004518379.1	Scaffold3757	537	CC	AA	1940540632
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SNP_P1_258808_4046	NW_004518379.1	Scaffold3757	4046	GG	AA	1940540647
SNP_P1_258809_4076	NW_004518379.1	Scaffold3757	4076	AA	GG	1940540649
SNP_P1_258810_4211	NW_004518379.1	Scaffold3757	4211	AA	GG	1940540651
SNP_P1_258811_4215	NW_004518379.1	Scaffold3757	4215	CC	TT	1940540653
SNP_P1_258812_4278	NW_004518379.1	Scaffold3757	4278	TT	AA	1940540656
SNP_P1_258813_4426	NW_004518379.1	Scaffold3757	4426	AA	CC	1940540658

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258815_4457	NW_004518379.1	Scaffold3757	4457	AA	GG	1940540662
SNP_P1_258816_4473	NW_004518379.1	Scaffold3757	4473	AA	GG	1940540664
SNP_P1_258817_4475	NW_004518379.1	Scaffold3757	4475	CC	TT	1940540666
SNP_P1_258818_4500	NW_004518379.1	Scaffold3757	4500	CC	TT	1940540668
SNP_P1_258819_4675	NW_004518379.1	Scaffold3757	4675	GG	AA	1940540670
SNP_P1_258820_4680	NW_004518379.1	Scaffold3757	4680	CC	AA	1940540672
SNP_P1_258821_4683	NW_004518379.1	Scaffold3757	4683	CC	TT	1940540675
SNP_P1_258822_4687	NW_004518379.1	Scaffold3757	4687	AA	TT	1940540677
SNP_P1_258823_4717	NW_004518379.1	Scaffold3757	4717	TT	CC	1940540679
SNP_P1_258824_4722	NW_004518379.1	Scaffold3757	4722	AA	GG	1940540681
SNP_P1_258825_4875	NW_004518379.1	Scaffold3757	4875	CC	TT	1940540683
SNP_P1_258826_4924	NW_004518379.1	Scaffold3757	4924	CC	TT	1940540685
SNP_P1_258827_4927	NW_004518379.1	Scaffold3757	4927	GG	TT	1940540687
SNP_P1_258828_5073	NW_004518379.1	Scaffold3757	5073	CC	TT	1940540689
SNP_P1_258829_5188	NW_004518379.1	Scaffold3757	5188	GG	AA	1940540691
SNP_P1_258830_5315	NW_004518379.1	Scaffold3757	5315	AA	GG	1940540693
SNP_P1_258831_5389	NW_004518379.1	Scaffold3757	5389	CC	AA	1940540696
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SNP_P1_258845_1694	NW_004518383.1	Scaffold3765	1694	TT	CC	1940540725
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SNP_P1_258849_3923	NW_004518383.1	Scaffold3765	3923	AA	TT	1940540734
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SNP_P1_258851_64	NW_004518385.1	Scaffold3768	64	GG	AA	1940540738
SNP_P1_258852_67	NW_004518385.1	Scaffold3768	67	AA	GG	1940540740
SNP_P1_258853_89	NW_004518385.1	Scaffold3768	89	TT	GG	1940540742
SNP_P1_258854_3015	NW_004518388.1	Scaffold3771	3015	TT	AA	1940540744
SNP_P1_258855_3018	NW_004518388.1	Scaffold3771	3018	AA	TT	1940540746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258860_6234	NW_004518388.1	Scaffold3771	6234	AA	CC	1940540757
SNP_P1_258861_6621	NW_004518388.1	Scaffold3771	6621	TT	AA	1940540759
SNP_P1_258862_11360	NW_004518388.1	Scaffold3771	11360	CC	TT	1940540761
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SNP_P1_258865_11640	NW_004518388.1	Scaffold3771	11640	AA	GG	1940540767
SNP_P1_258866_11843	NW_004518388.1	Scaffold3771	11843	AA	GG	1940540769
SNP_P1_258867_11860	NW_004518388.1	Scaffold3771	11860	CC	AA	1940540771
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SNP_P1_258871_64	NW_004518390.1	Scaffold3774	64	TT	CC	1940540780
SNP_P1_258872_293	NW_004518392.1	Scaffold3780	293	GG	CC	1940540782
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SNP_P1_258881_9746	NW_004518392.1	Scaffold3780	9746	AA	TT	1940540801
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SNP_P1_258883_20694	NW_004518392.1	Scaffold3780	20694	AA	GG	1940540805
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SNP_P1_258886_21224	NW_004518392.1	Scaffold3780	21224	TT	CC	1940540809
SNP_P1_258887_21225	NW_004518392.1	Scaffold3780	21225	AA	CC	1940540812
SNP_P1_258888_21451	NW_004518392.1	Scaffold3780	21451	AA	TT	1940540814
SNP_P1_258889_21490	NW_004518392.1	Scaffold3780	21490	GG	AA	1940540816
SNP_P1_258890_2010	NW_004518394.1	Scaffold3784	2010	AA	CC	1940540818
SNP_P1_258891_2031	NW_004518394.1	Scaffold3784	2031	TT	CC	1940540820
SNP_P1_258892_2239	NW_004518394.1	Scaffold3784	2239	GG	TT	1940540822
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SNP_P1_258895_2382	NW_004518395.1	Scaffold3789	2382	AA	CC	1940540826
SNP_P1_258897_2894	NW_004518395.1	Scaffold3789	2894	GG	AA	1940540828
SNP_P1_258898_3329	NW_004518395.1	Scaffold3789	3329	CC	AA	1940540830
SNP_P1_258899_3940	NW_004518395.1	Scaffold3789	3940	GG	TT	1940540833
SNP_P1_258900_4222	NW_004518395.1	Scaffold3789	4222	TT	GG	1940540835

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258902_4230	NW_004518395.1	Scaffold3789	4230	AA	CC	1940540839
SNP_P1_258903_5064	NW_004518395.1	Scaffold3789	5064	GG	AA	1940540841
SNP_P1_258904_5599	NW_004518395.1	Scaffold3789	5599	GG	AA	1940540843
SNP_P1_258905_5782	NW_004518395.1	Scaffold3789	5782	GG	AA	1940540845
SNP_P1_258906_5815	NW_004518395.1	Scaffold3789	5815	GG	AA	1940540847
SNP_P1_258907_5821	NW_004518395.1	Scaffold3789	5821	AA	TT	1940540849
SNP_P1_258908_5823	NW_004518395.1	Scaffold3789	5823	AA	CC	1940540852
SNP_P1_258910_5900	NW_004518395.1	Scaffold3789	5900	CC	TT	1940540854
SNP_P1_258911_5928	NW_004518395.1	Scaffold3789	5928	TT	CC	1940540856
SNP_P1_258912_6081	NW_004518395.1	Scaffold3789	6081	CC	AA	1940540858
SNP_P1_258913_6120	NW_004518395.1	Scaffold3789	6120	TT	CC	1940540860
SNP_P1_258914_6165	NW_004518395.1	Scaffold3789	6165	AA	GG	1940540862
SNP_P1_258915_6189	NW_004518395.1	Scaffold3789	6189	AA	GG	1940540864
SNP_P1_258916_6409	NW_004518395.1	Scaffold3789	6409	CC	AA	1940540866
SNP_P1_258917_6868	NW_004518395.1	Scaffold3789	6868	AA	CC	1940540868
SNP_P1_258918_6871	NW_004518395.1	Scaffold3789	6871	TT	CC	1940540871
SNP_P1_258919_7075	NW_004518395.1	Scaffold3789	7075	TT	CC	1940540873
SNP_P1_258920_7122	NW_004518395.1	Scaffold3789	7122	TT	GG	1940540875
SNP_P1_258921_585	NW_004518397.1	Scaffold3794	585	CC	AA	1940540877
SNP_P1_258922_621	NW_004518397.1	Scaffold3794	621	GG	TT	1940540879
SNP_P1_258923_793	NW_004518397.1	Scaffold3794	793	GG	AA	1940540881
SNP_P1_258924_2660	NW_004518397.1	Scaffold3794	2660	AA	GG	1940540883
SNP_P1_258925_3095	NW_004518397.1	Scaffold3794	3095	TT	CC	1940540885
SNP_P1_258926_3107	NW_004518397.1	Scaffold3794	3107	GG	AA	1940540888
SNP_P1_258929_6568	NW_004518397.1	Scaffold3794	6568	AA	GG	1940540890
SNP_P1_258930_6575	NW_004518397.1	Scaffold3794	6575	AA	TT	1940540892
SNP_P1_258931_6577	NW_004518397.1	Scaffold3794	6577	CC	AA	1940540894
SNP_P1_258932_6584	NW_004518397.1	Scaffold3794	6584	AA	GG	1940540896
SNP_P1_258933_6603	NW_004518397.1	Scaffold3794	6603	CC	TT	1940540898
SNP_P1_258934_6606	NW_004518397.1	Scaffold3794	6606	CC	TT	1940540900
SNP_P1_258935_6972	NW_004518397.1	Scaffold3794	6972	CC	TT	1940540902
SNP_P1_258936_7222	NW_004518397.1	Scaffold3794	7222	GG	AA	1940540904
SNP_P1_258937_7802	NW_004518397.1	Scaffold3794	7802	AA	GG	1940540907
SNP_P1_258938_9639	NW_004518397.1	Scaffold3794	9639	CC	TT	1940540909
SNP_P1_258939_9640	NW_004518397.1	Scaffold3794	9640	TT	AA	1940540911
SNP_P1_258940_11208	NW_004518397.1	Scaffold3794	11208	TT	CC	1940540913
SNP_P1_258941_12129	NW_004518397.1	Scaffold3794	12129	AA	GG	1940540915
SNP_P1_258944_14858	NW_004518397.1	Scaffold3794	14858	AA	TT	1940540917
SNP_P1_258945_16261	NW_004518397.1	Scaffold3794	16261	GG	AA	1940540919
SNP_P1_258947_16525	NW_004518397.1	Scaffold3794	16525	GG	AA	1940540921
SNP_P1_258950_21047	NW_004518397.1	Scaffold3794	21047	GG	AA	1940540923

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_258952_25578	NW_004518397.1	Scaffold3794	25578	TT	GG	1940540928
SNP_P1_258953_30922	NW_004518397.1	Scaffold3794	30922	GG	AA	1940540930
SNP_P1_258954_31510	NW_004518397.1	Scaffold3794	31510	CC	TT	1940540932
SNP_P1_258955_32049	NW_004518397.1	Scaffold3794	32049	AA	TT	1940540934
SNP_P1_258956_32064	NW_004518397.1	Scaffold3794	32064	TT	AA	1940540936
SNP_P1_258957_32242	NW_004518397.1	Scaffold3794	32242	AA	TT	1940540938
SNP_P1_258959_33221	NW_004518397.1	Scaffold3794	33221	CC	TT	1940540940
SNP_P1_258960_33266	NW_004518397.1	Scaffold3794	33266	GG	TT	1940540942
SNP_P1_258961_35194	NW_004518397.1	Scaffold3794	35194	TT	AA	1940540945
SNP_P1_258962_35858	NW_004518397.1	Scaffold3794	35858	CC	TT	1940540947
SNP_P1_258963_37234	NW_004518397.1	Scaffold3794	37234	AA	GG	1940540949
SNP_P1_258964_37347	NW_004518397.1	Scaffold3794	37347	CC	TT	1940540951
SNP_P1_258966_37567	NW_004518397.1	Scaffold3794	37567	AA	TT	1940540953
SNP_P1_258967_40613	NW_004518397.1	Scaffold3794	40613	GG	AA	1940540955
SNP_P1_258968_41442	NW_004518397.1	Scaffold3794	41442	GG	TT	1940540957
SNP_P1_258969_41952	NW_004518397.1	Scaffold3794	41952	GG	CC	1940540959
SNP_P1_258970_42226	NW_004518397.1	Scaffold3794	42226	GG	AA	1940540961
SNP_P1_258971_42294	NW_004518397.1	Scaffold3794	42294	CC	AA	1940540964
SNP_P1_258975_46965	NW_004518397.1	Scaffold3794	46965	CC	TT	1940540966
SNP_P1_258977_47016	NW_004518397.1	Scaffold3794	47016	AA	GG	1940540968
SNP_P1_258978_50506	NW_004518397.1	Scaffold3794	50506	AA	CC	1940540970
SNP_P1_258979_50831	NW_004518397.1	Scaffold3794	50831	AA	GG	1940540972
SNP_P1_258980_51723	NW_004518397.1	Scaffold3794	51723	GG	AA	1940540974
SNP_P1_258981_56676	NW_004518397.1	Scaffold3794	56676	TT	CC	1940540976
SNP_P1_258982_56714	NW_004518397.1	Scaffold3794	56714	AA	TT	1940540978
SNP_P1_258983_56946	NW_004518397.1	Scaffold3794	56946	CC	TT	1940540980
SNP_P1_258986_59910	NW_004518397.1	Scaffold3794	59910	TT	CC	1940540983
SNP_P1_258987_60424	NW_004518397.1	Scaffold3794	60424	CC	TT	1940540985
SNP_P1_258988_60605	NW_004518397.1	Scaffold3794	60605	CC	TT	1940540987
SNP_P1_258990_61673	NW_004518397.1	Scaffold3794	61673	AA	TT	1940540989
SNP_P1_258991_61721	NW_004518397.1	Scaffold3794	61721	TT	AA	1940540991
SNP_P1_258993_62572	NW_004518397.1	Scaffold3794	62572	GG	AA	1940540993
SNP_P1_258994_63467	NW_004518397.1	Scaffold3794	63467	GG	AA	1940540995
SNP_P1_258995_63547	NW_004518397.1	Scaffold3794	63547	GG	AA	1940540997
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SNP_P1_258997_64097	NW_004518397.1	Scaffold3794	64097	GG	AA	1940541001
SNP_P1_258998_70911	NW_004518397.1	Scaffold3794	70911	CC	GG	1940541004
SNP_P1_258999_71361	NW_004518397.1	Scaffold3794	71361	AA	TT	1940541006
SNP_P1_259000_71759	NW_004518397.1	Scaffold3794	71759	CC	GG	1940541008
SNP_P1_259001_71853	NW_004518397.1	Scaffold3794	71853	AA	GG	1940541010
SNP_P1_259003_71947	NW_004518397.1	Scaffold3794	71947	CC	GG	1940541012

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259007_77005	NW_004518397.1	Scaffold3794	77005	TT	CC	1940541016
SNP_P1_259008_77008	NW_004518397.1	Scaffold3794	77008	AA	GG	1940541018
SNP_P1_259009_77022	NW_004518397.1	Scaffold3794	77022	TT	CC	1940541020
SNP_P1_259010_77287	NW_004518397.1	Scaffold3794	77287	GG	AA	1940541022
SNP_P1_259011_77546	NW_004518397.1	Scaffold3794	77546	TT	CC	1940541024
SNP_P1_259013_77725	NW_004518397.1	Scaffold3794	77725	TT	CC	1940541026
SNP_P1_259014_77939	NW_004518397.1	Scaffold3794	77939	AA	GG	1940541029
SNP_P1_259015_77967	NW_004518397.1	Scaffold3794	77967	AA	TT	1940541031
SNP_P1_259017_79464	NW_004518397.1	Scaffold3794	79464	AA	GG	1940541033
SNP_P1_259019_82019	NW_004518397.1	Scaffold3794	82019	CC	TT	1940541035
SNP_P1_259021_82525	NW_004518397.1	Scaffold3794	82525	AA	GG	1940541037
SNP_P1_259023_17808	NW_004518406.1	Scaffold3810	17808	TT	CC	1940541039
SNP_P1_259024_17851	NW_004518406.1	Scaffold3810	17851	CC	AA	1940541041
SNP_P1_259025_18279	NW_004518406.1	Scaffold3810	18279	CC	TT	1940541043
SNP_P1_259026_21139	NW_004518406.1	Scaffold3810	21139	CC	TT	1940541045
SNP_P1_259027_21185	NW_004518406.1	Scaffold3810	21185	TT	CC	1940541048
SNP_P1_259028_21204	NW_004518406.1	Scaffold3810	21204	CC	TT	1940541050
SNP_P1_259029_21264	NW_004518406.1	Scaffold3810	21264	CC	TT	1940541052
SNP_P1_259030_21292	NW_004518406.1	Scaffold3810	21292	AA	TT	1940541054
SNP_P1_259032_21444	NW_004518406.1	Scaffold3810	21444	AA	CC	1940541056
SNP_P1_259033_21478	NW_004518406.1	Scaffold3810	21478	AA	GG	1940541058
SNP_P1_259034_21555	NW_004518406.1	Scaffold3810	21555	GG	CC	1940541060
SNP_P1_259035_21574	NW_004518406.1	Scaffold3810	21574	TT	CC	1940541062
SNP_P1_259036_21647	NW_004518406.1	Scaffold3810	21647	TT	GG	1940541064
SNP_P1_259038_22016	NW_004518406.1	Scaffold3810	22016	TT	AA	1940541067
SNP_P1_259039_19010	NW_004518407.1	Scaffold3811	19010	TT	AA	1940541069
SNP_P1_259040_19508	NW_004518407.1	Scaffold3811	19508	AA	GG	1940541071
SNP_P1_259042_19744	NW_004518407.1	Scaffold3811	19744	AA	GG	1940541073
SNP_P1_259043_19815	NW_004518407.1	Scaffold3811	19815	AA	TT	1940541075
SNP_P1_259044_19879	NW_004518407.1	Scaffold3811	19879	CC	AA	1940541077
SNP_P1_259046_24114	NW_004518407.1	Scaffold3811	24114	AA	GG	1940541079
SNP_P1_259047_24578	NW_004518407.1	Scaffold3811	24578	TT	CC	1940541081
SNP_P1_259048_24597	NW_004518407.1	Scaffold3811	24597	AA	GG	1940541083
SNP_P1_259049_24632	NW_004518407.1	Scaffold3811	24632	TT	AA	1940541086
SNP_P1_259051_24707	NW_004518407.1	Scaffold3811	24707	AA	TT	1940541088
SNP_P1_259053_24874	NW_004518407.1	Scaffold3811	24874	GG	AA	1940541090
SNP_P1_259054_25040	NW_004518407.1	Scaffold3811	25040	AA	GG	1940541092
SNP_P1_259055_25060	NW_004518407.1	Scaffold3811	25060	TT	CC	1940541094
SNP_P1_259056_789	NW_004518408.1	Scaffold3812	789	AA	GG	1940541096
SNP_P1_259057_811	NW_004518409.1	Scaffold3813	811	TT	CC	1940541098
SNP_P1_259058_1650	NW_004518409.1	Scaffold3813	1650	TT	GG	1940541100

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259061_987	NW_004518411.1	Scaffold3816	987	CC	TT	1940541107
SNP_P1_259062_1230	NW_004518411.1	Scaffold3816	1230	TT	CC	1940541109
SNP_P1_259063_1497	NW_004518411.1	Scaffold3816	1497	TT	GG	1940541111
SNP_P1_259064_1531	NW_004518411.1	Scaffold3816	1531	CC	AA	1940541113
SNP_P1_259065_8482	NW_004518412.1	Scaffold3817	8482	CC	GG	1940541115
SNP_P1_259066_9002	NW_004518412.1	Scaffold3817	9002	GG	AA	1940541117
SNP_P1_259067_22258	NW_004518412.1	Scaffold3817	22258	GG	AA	1940541119
SNP_P1_259068_2700	NW_004518415.1	Scaffold3823	2700	AA	GG	1940541121
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SNP_P1_259070_2750	NW_004518415.1	Scaffold3823	2750	AA	GG	1940541126
SNP_P1_259071_3688	NW_004518415.1	Scaffold3823	3688	CC	TT	1940541128
SNP_P1_259072_3709	NW_004518415.1	Scaffold3823	3709	TT	GG	1940541130
SNP_P1_259074_3907	NW_004518415.1	Scaffold3823	3907	TT	AA	1940541132
SNP_P1_259075_4202	NW_004518415.1	Scaffold3823	4202	TT	GG	1940541134
SNP_P1_259076_125	NW_004518416.1	Scaffold3824	125	AA	GG	1940541136
SNP_P1_259077_5312	NW_004518416.1	Scaffold3824	5312	AA	TT	1940541138
SNP_P1_259078_8977	NW_004518416.1	Scaffold3824	8977	GG	TT	1940541140
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SNP_P1_259082_21710	NW_004518416.1	Scaffold3824	21710	AA	GG	1940541149
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SNP_P1_259088_24630	NW_004518416.1	Scaffold3824	24630	AA	GG	1940541159
SNP_P1_259089_676	NW_004518419.1	Scaffold3830	676	TT	CC	1940541161
SNP_P1_259090_2029	NW_004518423.1	Scaffold3837	2029	AA	GG	1940541164
SNP_P1_259091_2057	NW_004518423.1	Scaffold3837	2057	AA	GG	1940541166
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SNP_P1_259095_2185	NW_004518423.1	Scaffold3837	2185	TT	CC	1940541174
SNP_P1_259096_2211	NW_004518423.1	Scaffold3837	2211	GG	AA	1940541176
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SNP_P1_259101_2606	NW_004518423.1	Scaffold3837	2606	GG	TT	1940541183
SNP_P1_259102_2623	NW_004518423.1	Scaffold3837	2623	CC	TT	1940541185
SNP_P1_259103_2676	NW_004518423.1	Scaffold3837	2676	CC	TT	1940541187
SNP_P1_259104_2700	NW_004518423.1	Scaffold3837	2700	TT	AA	1940541189

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259107_3555	NW_004518423.1	Scaffold3837	3555	GG	AA	1940541195
SNP_P1_259108_4980	NW_004518423.1	Scaffold3837	4980	CC	AA	1940541197
SNP_P1_259109_4989	NW_004518423.1	Scaffold3837	4989	TT	CC	1940541199
SNP_P1_259110_5403	NW_004518423.1	Scaffold3837	5403	CC	TT	1940541201
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SNP_P1_259114_5477	NW_004518423.1	Scaffold3837	5477	CC	TT	1940541210
SNP_P1_259115_5480	NW_004518423.1	Scaffold3837	5480	TT	AA	1940541212
SNP_P1_259116_5633	NW_004518423.1	Scaffold3837	5633	GG	AA	1940541214
SNP_P1_259117_5641	NW_004518423.1	Scaffold3837	5641	TT	CC	1940541216
SNP_P1_259119_5689	NW_004518423.1	Scaffold3837	5689	TT	CC	1940541218
SNP_P1_259120_5704	NW_004518423.1	Scaffold3837	5704	CC	TT	1940541220
SNP_P1_259121_5716	NW_004518423.1	Scaffold3837	5716	TT	GG	1940541223
SNP_P1_259122_5747	NW_004518423.1	Scaffold3837	5747	CC	GG	1940541225
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SNP_P1_259128_6095	NW_004518423.1	Scaffold3837	6095	GG	TT	1940541235
SNP_P1_259129_6101	NW_004518423.1	Scaffold3837	6101	GG	AA	1940541237
SNP_P1_259130_6116	NW_004518423.1	Scaffold3837	6116	GG	AA	1940541239
SNP_P1_259131_6375	NW_004518423.1	Scaffold3837	6375	GG	TT	1940541242
SNP_P1_259132_6410	NW_004518423.1	Scaffold3837	6410	TT	GG	1940541244
SNP_P1_259133_6416	NW_004518423.1	Scaffold3837	6416	AA	GG	1940541246
SNP_P1_259134_6431	NW_004518423.1	Scaffold3837	6431	AA	GG	1940541248
SNP_P1_259135_6505	NW_004518423.1	Scaffold3837	6505	AA	GG	1940541250
SNP_P1_259136_6512	NW_004518423.1	Scaffold3837	6512	CC	TT	1940541252
SNP_P1_259137_6541	NW_004518423.1	Scaffold3837	6541	TT	CC	1940541254
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SNP_P1_259143_6916	NW_004518423.1	Scaffold3837	6916	AA	GG	1940541267
SNP_P1_259144_6927	NW_004518423.1	Scaffold3837	6927	GG	AA	1940541269
SNP_P1_259145_7089	NW_004518423.1	Scaffold3837	7089	TT	AA	1940541271
SNP_P1_259146_7174	NW_004518423.1	Scaffold3837	7174	GG	AA	1940541273
SNP_P1_259147_10431	NW_004518423.1	Scaffold3837	10431	AA	CC	1940541275
SNP_P1_259148_10609	NW_004518423.1	Scaffold3837	10609	TT	CC	1940541277

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259150_2138	NW_004518426.1	Scaffold3842	2138	CC	TT	1940541282
SNP_P1_259151_4500	NW_004518431.1	Scaffold3849	4500	AA	CC	1940541284
SNP_P1_259152_4503	NW_004518431.1	Scaffold3849	4503	CC	TT	1940541286
SNP_P1_259153_4444	NW_004518432.1	Scaffold3850	4444	AA	CC	1940541288
SNP_P1_259154_4886	NW_004518432.1	Scaffold3850	4886	AA	GG	1940541290
SNP_P1_259155_5534	NW_004518432.1	Scaffold3850	5534	AA	GG	1940541292
SNP_P1_259156_5539	NW_004518432.1	Scaffold3850	5539	TT	AA	1940541294
SNP_P1_259157_5627	NW_004518432.1	Scaffold3850	5627	CC	AA	1940541296
SNP_P1_259158_10549	NW_004518432.1	Scaffold3850	10549	GG	TT	1940541298
SNP_P1_259159_10934	NW_004518432.1	Scaffold3850	10934	CC	GG	1940541301
SNP_P1_259160_12585	NW_004518432.1	Scaffold3850	12585	TT	GG	1940541303
SNP_P1_259161_12626	NW_004518432.1	Scaffold3850	12626	AA	TT	1940541305
SNP_P1_259163_13175	NW_004518432.1	Scaffold3850	13175	TT	AA	1940541307
SNP_P1_259164_674	NW_004518433.1	Scaffold3851	674	TT	AA	1940541309
SNP_P1_259165_1407	NW_004518433.1	Scaffold3851	1407	AA	CC	1940541311
SNP_P1_259166_1434	NW_004518433.1	Scaffold3851	1434	TT	CC	1940541313
SNP_P1_259167_1438	NW_004518433.1	Scaffold3851	1438	TT	GG	1940541315
SNP_P1_259168_1865	NW_004518433.1	Scaffold3851	1865	CC	TT	1940541317
SNP_P1_259169_3315	NW_004518434.1	Scaffold3852	3315	TT	AA	1940541320
SNP_P1_259170_3354	NW_004518434.1	Scaffold3852	3354	AA	GG	1940541322
SNP_P1_259172_424	NW_004518436.1	Scaffold3856	424	AA	TT	1940541324
SNP_P1_259173_571	NW_004518436.1	Scaffold3856	571	GG	TT	1940541326
SNP_P1_259174_615	NW_004518436.1	Scaffold3856	615	AA	GG	1940541328
SNP_P1_259176_5375	NW_004518436.1	Scaffold3856	5375	GG	AA	1940541330
SNP_P1_259177_5427	NW_004518436.1	Scaffold3856	5427	TT	CC	1940541332
SNP_P1_259178_5566	NW_004518436.1	Scaffold3856	5566	TT	CC	1940541334
SNP_P1_259179_5768	NW_004518436.1	Scaffold3856	5768	AA	CC	1940541336
SNP_P1_259180_5784	NW_004518436.1	Scaffold3856	5784	TT	CC	1940541339
SNP_P1_259181_5841	NW_004518436.1	Scaffold3856	5841	CC	TT	1940541341
SNP_P1_259182_5857	NW_004518436.1	Scaffold3856	5857	TT	CC	1940541343
SNP_P1_259183_6117	NW_004518436.1	Scaffold3856	6117	AA	TT	1940541345
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SNP_P1_259188_362	NW_004518443.1	Scaffold3864	362	GG	CC	1940541355
SNP_P1_259189_13692	NW_004518444.1	Scaffold3865	13692	AA	TT	1940541357
SNP_P1_259190_15517	NW_004518444.1	Scaffold3865	15517	CC	AA	1940541360
SNP_P1_259191_15526	NW_004518444.1	Scaffold3865	15526	TT	AA	1940541362
SNP_P1_259192_24975	NW_004518444.1	Scaffold3865	24975	AA	GG	1940541364
SNP_P1_259194_63016	NW_004518444.1	Scaffold3865	63016	TT	AA	1940541366

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259197_64006	NW_004518444.1	Scaffold3865	64006	TT	CC	1940541372
SNP_P1_259198_64294	NW_004518444.1	Scaffold3865	64294	AA	TT	1940541374
SNP_P1_259199_64361	NW_004518444.1	Scaffold3865	64361	TT	CC	1940541376
SNP_P1_259200_64376	NW_004518444.1	Scaffold3865	64376	AA	GG	1940541379
SNP_P1_259201_64385	NW_004518444.1	Scaffold3865	64385	AA	GG	1940541381
SNP_P1_259202_439	NW_004518445.1	Scaffold3868	439	GG	CC	1940541383
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SNP_P1_259204_450	NW_004518448.1	Scaffold3872	450	GG	TT	1940541387
SNP_P1_259205_585	NW_004518448.1	Scaffold3872	585	TT	AA	1940541389
SNP_P1_259206_593	NW_004518448.1	Scaffold3872	593	CC	GG	1940541391
SNP_P1_259207_2514	NW_004518450.1	Scaffold3874	2514	AA	GG	1940541393
SNP_P1_259208_2531	NW_004518450.1	Scaffold3874	2531	TT	CC	1940541395
SNP_P1_259209_7513	NW_004518450.1	Scaffold3874	7513	AA	TT	1940541398
SNP_P1_259210_7571	NW_004518450.1	Scaffold3874	7571	AA	CC	1940541400
SNP_P1_259211_7854	NW_004518450.1	Scaffold3874	7854	TT	CC	1940541402
SNP_P1_259212_8006	NW_004518450.1	Scaffold3874	8006	GG	TT	1940541404
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SNP_P1_259216_11627	NW_004518450.1	Scaffold3874	11627	TT	AA	1940541412
SNP_P1_259217_11666	NW_004518450.1	Scaffold3874	11666	CC	TT	1940541414
SNP_P1_259218_15901	NW_004518450.1	Scaffold3874	15901	TT	CC	1940541416
SNP_P1_259219_16124	NW_004518450.1	Scaffold3874	16124	TT	CC	1940541419
SNP_P1_259220_16226	NW_004518450.1	Scaffold3874	16226	GG	TT	1940541421
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SNP_P1_259224_5322	NW_004518451.1	Scaffold3876	5322	CC	GG	1940541429
SNP_P1_259225_6692	NW_004518451.1	Scaffold3876	6692	GG	AA	1940541431
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SNP_P1_259227_11740	NW_004518451.1	Scaffold3876	11740	AA	TT	1940541435
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SNP_P1_259229_19847	NW_004518451.1	Scaffold3876	19847	AA	CC	1940541440
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SNP_P1_259231_29451	NW_004518451.1	Scaffold3876	29451	TT	CC	1940541444
SNP_P1_259232_29474	NW_004518451.1	Scaffold3876	29474	CC	GG	1940541446
SNP_P1_259233_29487	NW_004518451.1	Scaffold3876	29487	TT	CC	1940541448
SNP_P1_259234_29501	NW_004518451.1	Scaffold3876	29501	AA	GG	1940541450
SNP_P1_259235_29830	NW_004518451.1	Scaffold3876	29830	TT	GG	1940541452
SNP_P1_259236_29869	NW_004518451.1	Scaffold3876	29869	AA	GG	1940541454

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259238_30460	NW_004518451.1	Scaffold3876	30460	CC	TT	1940541459
SNP_P1_259239_2013	NW_004518455.1	Scaffold3881	2013	GG	AA	1940541461
SNP_P1_259240_2062	NW_004518455.1	Scaffold3881	2062	TT	GG	1940541463
SNP_P1_259241_5777	NW_004518455.1	Scaffold3881	5777	GG	CC	1940541465
SNP_P1_259242_9011	NW_004518455.1	Scaffold3881	9011	AA	GG	1940541467
SNP_P1_259243_1744	NW_004518456.1	Scaffold3882	1744	CC	AA	1940541469
SNP_P1_259244_1952	NW_004518456.1	Scaffold3882	1952	AA	GG	1940541471
SNP_P1_259245_1960	NW_004518456.1	Scaffold3882	1960	TT	CC	1940541473
SNP_P1_259246_2001	NW_004518456.1	Scaffold3882	2001	TT	GG	1940541476
SNP_P1_259247_823	NW_004518457.1	Scaffold3883	823	TT	CC	1940541478
SNP_P1_259248_849	NW_004518457.1	Scaffold3883	849	TT	AA	1940541480
SNP_P1_259249_575	NW_004518459.1	Scaffold3885	575	GG	AA	1940541482
SNP_P1_259251_499	NW_004518460.1	Scaffold3887	499	CC	GG	1940541484
SNP_P1_259252_791	NW_004518461.1	Scaffold3888	791	AA	GG	1940541486
SNP_P1_259253_691	NW_004518463.1	Scaffold3890	691	CC	TT	1940541488
SNP_P1_259254_907	NW_004518463.1	Scaffold3890	907	TT	CC	1940541490
SNP_P1_259255_1070	NW_004518463.1	Scaffold3890	1070	TT	CC	1940541492
SNP_P1_259256_1110	NW_004518463.1	Scaffold3890	1110	TT	CC	1940541495
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SNP_P1_259259_5463	NW_004518463.1	Scaffold3890	5463	GG	TT	1940541501
SNP_P1_259260_5534	NW_004518463.1	Scaffold3890	5534	TT	CC	1940541503
SNP_P1_259261_5635	NW_004518463.1	Scaffold3890	5635	TT	CC	1940541505
SNP_P1_259262_5639	NW_004518463.1	Scaffold3890	5639	AA	CC	1940541507
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SNP_P1_259265_8889	NW_004518463.1	Scaffold3890	8889	CC	TT	1940541513
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SNP_P1_259268_9157	NW_004518463.1	Scaffold3890	9157	CC	AA	1940541520
SNP_P1_259269_10595	NW_004518463.1	Scaffold3890	10595	CC	GG	1940541522
SNP_P1_259270_765	NW_004518466.1	Scaffold3896	765	CC	TT	1940541524
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SNP_P1_259272_1116	NW_004518466.1	Scaffold3896	1116	CC	AA	1940541528
SNP_P1_259274_2265	NW_004518466.1	Scaffold3896	2265	CC	TT	1940541530
SNP_P1_259275_2552	NW_004518466.1	Scaffold3896	2552	AA	TT	1940541532
SNP_P1_259277_4727	NW_004518469.1	Scaffold3900	4727	AA	GG	1940541535
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SNP_P1_259279_4746	NW_004518469.1	Scaffold3900	4746	AA	TT	1940541539
SNP_P1_259280_5338	NW_004518469.1	Scaffold3900	5338	TT	AA	1940541541
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259287_6990	NW_004518469.1	Scaffold3900	6990	GG	AA	1940541551
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SNP_P1_259289_7358	NW_004518469.1	Scaffold3900	7358	GG	TT	1940541556
SNP_P1_259290_7458	NW_004518469.1	Scaffold3900	7458	AA	GG	1940541558
SNP_P1_259291_7552	NW_004518469.1	Scaffold3900	7552	AA	TT	1940541560
SNP_P1_259292_7704	NW_004518469.1	Scaffold3900	7704	GG	AA	1940541562
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SNP_P1_259296_7900	NW_004518469.1	Scaffold3900	7900	GG	TT	1940541570
SNP_P1_259297_9088	NW_004518469.1	Scaffold3900	9088	TT	AA	1940541572
SNP_P1_259298_11007	NW_004518469.1	Scaffold3900	11007	AA	TT	1940541575
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SNP_P1_259324_3668	NW_004518471.1	Scaffold3902	3668	TT	GG	1940541629
SNP_P1_259325_3698	NW_004518471.1	Scaffold3902	3698	GG	TT	1940541632

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259330_730	NW_004518474.1	Scaffold3906	730	TT	CC	1940541638
SNP_P1_259331_469	NW_004518475.1	Scaffold3907	469	CC	TT	1940541640
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SNP_P1_259333_529	NW_004518475.1	Scaffold3907	529	TT	CC	1940541644
SNP_P1_259334_3455	NW_004518475.1	Scaffold3907	3455	GG	AA	1940541646
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SNP_P1_259344_8085	NW_004518477.1	Scaffold3909	8085	CC	TT	1940541667
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SNP_P1_259346_8151	NW_004518477.1	Scaffold3909	8151	GG	CC	1940541672
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SNP_P1_259348_8604	NW_004518477.1	Scaffold3909	8604	AA	TT	1940541676
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SNP_P1_259350_28397	NW_004518477.1	Scaffold3909	28397	TT	CC	1940541680
SNP_P1_259351_29109	NW_004518477.1	Scaffold3909	29109	AA	TT	1940541682
SNP_P1_259352_29112	NW_004518477.1	Scaffold3909	29112	GG	CC	1940541684
SNP_P1_259353_29122	NW_004518477.1	Scaffold3909	29122	TT	AA	1940541686
SNP_P1_259354_29134	NW_004518477.1	Scaffold3909	29134	CC	TT	1940541688
SNP_P1_259355_125	NW_004518478.1	Scaffold3910	125	GG	TT	1940541691
SNP_P1_259356_6520	NW_004518480.1	Scaffold3912	6520	GG	AA	1940541693
SNP_P1_259357_1352	NW_004518482.1	Scaffold3915	1352	TT	AA	1940541695
SNP_P1_259358_3551	NW_004518482.1	Scaffold3915	3551	AA	GG	1940541697
SNP_P1_259359_7049	NW_004518482.1	Scaffold3915	7049	TT	CC	1940541699
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SNP_P1_259361_7413	NW_004518482.1	Scaffold3915	7413	CC	TT	1940541703
SNP_P1_259362_7816	NW_004518482.1	Scaffold3915	7816	AA	GG	1940541705
SNP_P1_259363_1737	NW_004518484.1	Scaffold3917	1737	GG	TT	1940541707
SNP_P1_259364_1912	NW_004518484.1	Scaffold3917	1912	TT	CC	1940541709
SNP_P1_259365_1952	NW_004518484.1	Scaffold3917	1952	AA	CC	1940541712
SNP_P1_259366_1953	NW_004518484.1	Scaffold3917	1953	GG	AA	1940541714
SNP_P1_259367_2106	NW_004518484.1	Scaffold3917	2106	GG	TT	1940541716
SNP_P1_259368_2111	NW_004518484.1	Scaffold3917	2111	CC	TT	1940541718
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259371_2298	NW_004518484.1	Scaffold3917	2298	GG	AA	1940541724
SNP_P1_259372_2421	NW_004518484.1	Scaffold3917	2421	AA	TT	1940541726
SNP_P1_259373_2465	NW_004518484.1	Scaffold3917	2465	CC	GG	1940541728
SNP_P1_259374_2526	NW_004518484.1	Scaffold3917	2526	CC	AA	1940541731
SNP_P1_259375_2604	NW_004518484.1	Scaffold3917	2604	AA	GG	1940541733
SNP_P1_259376_2664	NW_004518484.1	Scaffold3917	2664	CC	TT	1940541735
SNP_P1_259377_2709	NW_004518484.1	Scaffold3917	2709	CC	AA	1940541737
SNP_P1_259378_2743	NW_004518484.1	Scaffold3917	2743	AA	CC	1940541739
SNP_P1_259379_2748	NW_004518484.1	Scaffold3917	2748	AA	CC	1940541741
SNP_P1_259380_2821	NW_004518484.1	Scaffold3917	2821	CC	TT	1940541743
SNP_P1_259381_3121	NW_004518484.1	Scaffold3917	3121	CC	TT	1940541745
SNP_P1_259382_3128	NW_004518484.1	Scaffold3917	3128	TT	CC	1940541747
SNP_P1_259383_3183	NW_004518484.1	Scaffold3917	3183	AA	GG	1940541749
SNP_P1_259384_3251	NW_004518484.1	Scaffold3917	3251	AA	CC	1940541752
SNP_P1_259385_3304	NW_004518484.1	Scaffold3917	3304	TT	CC	1940541754
SNP_P1_259386_3319	NW_004518484.1	Scaffold3917	3319	TT	AA	1940541756
SNP_P1_259387_3356	NW_004518484.1	Scaffold3917	3356	TT	CC	1940541758
SNP_P1_259388_3375	NW_004518484.1	Scaffold3917	3375	CC	AA	1940541760
SNP_P1_259389_3468	NW_004518484.1	Scaffold3917	3468	GG	TT	1940541762
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SNP_P1_259392_3768	NW_004518484.1	Scaffold3917	3768	GG	TT	1940541768
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SNP_P1_259410_4003	NW_004518485.1	Scaffold3918	4003	TT	GG	1940541804
SNP_P1_259411_4012	NW_004518485.1	Scaffold3918	4012	AA	GG	1940541806
SNP_P1_259412_4073	NW_004518485.1	Scaffold3918	4073	AA	TT	1940541808

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259416_4390	NW_004518485.1	Scaffold3918	4390	AA	TT	1940541815
SNP_P1_259417_4405	NW_004518485.1	Scaffold3918	4405	AA	GG	1940541817
SNP_P1_259419_4654	NW_004518485.1	Scaffold3918	4654	CC	AA	1940541819
SNP_P1_259420_4655	NW_004518485.1	Scaffold3918	4655	GG	AA	1940541821
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SNP_P1_259422_4836	NW_004518485.1	Scaffold3918	4836	CC	AA	1940541825
SNP_P1_259423_4852	NW_004518485.1	Scaffold3918	4852	GG	AA	1940541827
SNP_P1_259424_4860	NW_004518485.1	Scaffold3918	4860	GG	CC	1940541830
SNP_P1_259425_4915	NW_004518485.1	Scaffold3918	4915	AA	CC	1940541832
SNP_P1_259426_4984	NW_004518485.1	Scaffold3918	4984	TT	CC	1940541834
SNP_P1_259427_5065	NW_004518485.1	Scaffold3918	5065	CC	TT	1940541836
SNP_P1_259428_5085	NW_004518485.1	Scaffold3918	5085	TT	AA	1940541838
SNP_P1_259429_5112	NW_004518485.1	Scaffold3918	5112	AA	GG	1940541840
SNP_P1_259430_5129	NW_004518485.1	Scaffold3918	5129	CC	TT	1940541842
SNP_P1_259431_5143	NW_004518485.1	Scaffold3918	5143	AA	CC	1940541844
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SNP_P1_259433_5267	NW_004518485.1	Scaffold3918	5267	TT	CC	1940541848
SNP_P1_259434_5385	NW_004518485.1	Scaffold3918	5385	TT	CC	1940541851
SNP_P1_259435_5398	NW_004518485.1	Scaffold3918	5398	AA	CC	1940541853
SNP_P1_259436_5409	NW_004518485.1	Scaffold3918	5409	TT	CC	1940541855
SNP_P1_259437_5442	NW_004518485.1	Scaffold3918	5442	TT	CC	1940541857
SNP_P1_259438_5460	NW_004518485.1	Scaffold3918	5460	CC	TT	1940541859
SNP_P1_259439_5481	NW_004518485.1	Scaffold3918	5481	GG	TT	1940541861
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SNP_P1_259442_5597	NW_004518485.1	Scaffold3918	5597	TT	AA	1940541867
SNP_P1_259443_5632	NW_004518485.1	Scaffold3918	5632	CC	GG	1940541870
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SNP_P1_259446_5833	NW_004518485.1	Scaffold3918	5833	CC	TT	1940541876
SNP_P1_259447_5834	NW_004518485.1	Scaffold3918	5834	AA	GG	1940541878
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SNP_P1_259453_6307	NW_004518485.1	Scaffold3918	6307	TT	AA	1940541891
SNP_P1_259454_6356	NW_004518485.1	Scaffold3918	6356	TT	CC	1940541893
SNP_P1_259455_6421	NW_004518485.1	Scaffold3918	6421	AA	TT	1940541895
SNP_P1_259456_6494	NW_004518485.1	Scaffold3918	6494	AA	CC	1940541897

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259460_6602	NW_004518485.1	Scaffold3918	6602	AA	CC	1940541905
SNP_P1_259461_6909	NW_004518485.1	Scaffold3918	6909	CC	AA	1940541907
SNP_P1_259462_10275	NW_004518485.1	Scaffold3918	10275	GG	AA	1940541910
SNP_P1_259463_10045	NW_004518486.1	Scaffold3919	10045	CC	TT	1940541912
SNP_P1_259464_10048	NW_004518486.1	Scaffold3919	10048	AA	GG	1940541914
SNP_P1_259465_10066	NW_004518486.1	Scaffold3919	10066	GG	TT	1940541916
SNP_P1_259466_22	NW_004518487.1	Scaffold3920	22	GG	TT	1940541918
SNP_P1_259467_53	NW_004518487.1	Scaffold3920	53	GG	AA	1940541920
SNP_P1_259468_453	NW_004518487.1	Scaffold3920	453	AA	CC	1940541922
SNP_P1_259469_475	NW_004518487.1	Scaffold3920	475	GG	AA	1940541924
SNP_P1_259470_207	NW_004518489.1	Scaffold3923	207	TT	CC	1940541926
SNP_P1_259471_1704	NW_004518489.1	Scaffold3923	1704	AA	GG	1940541929
SNP_P1_259472_1859	NW_004518489.1	Scaffold3923	1859	GG	AA	1940541931
SNP_P1_259473_1862	NW_004518489.1	Scaffold3923	1862	TT	CC	1940541933
SNP_P1_259474_1924	NW_004518489.1	Scaffold3923	1924	AA	GG	1940541935
SNP_P1_259475_1928	NW_004518489.1	Scaffold3923	1928	AA	GG	1940541937
SNP_P1_259476_1943	NW_004518489.1	Scaffold3923	1943	GG	TT	1940541939
SNP_P1_259477_1945	NW_004518489.1	Scaffold3923	1945	TT	CC	1940541941
SNP_P1_259478_1963	NW_004518489.1	Scaffold3923	1963	AA	GG	1940541943
SNP_P1_259479_1964	NW_004518489.1	Scaffold3923	1964	GG	AA	1940541945
SNP_P1_259480_1972	NW_004518489.1	Scaffold3923	1972	TT	GG	1940541948
SNP_P1_259481_2003	NW_004518489.1	Scaffold3923	2003	GG	TT	1940541950
SNP_P1_259482_2018	NW_004518489.1	Scaffold3923	2018	AA	GG	1940541952
SNP_P1_259483_2246	NW_004518489.1	Scaffold3923	2246	CC	AA	1940541954
SNP_P1_259484_3042	NW_004518489.1	Scaffold3923	3042	AA	GG	1940541956
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SNP_P1_259486_3157	NW_004518489.1	Scaffold3923	3157	AA	GG	1940541960
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SNP_P1_259489_3295	NW_004518489.1	Scaffold3923	3295	AA	GG	1940541964
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SNP_P1_259492_5520	NW_004518489.1	Scaffold3923	5520	TT	CC	1940541969
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SNP_P1_259496_122	NW_004518495.1	Scaffold3932	122	CC	AA	1940541973
SNP_P1_259497_494	NW_004518495.1	Scaffold3932	494	TT	AA	1940541975
SNP_P1_259498_732	NW_004518495.1	Scaffold3932	732	AA	GG	1940541977
SNP_P1_259499_742	NW_004518495.1	Scaffold3932	742	GG	TT	1940541979
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SNP_P1_259502_2202	NW_004518495.1	Scaffold3932	2202	AA	TT	1940541985

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SNP_P1_259506_4700	NW_004518495.1	Scaffold3932	4700	CC	TT	1940541994
SNP_P1_259507_4716	NW_004518495.1	Scaffold3932	4716	CC	AA	1940541996
SNP_P1_259508_1387	NW_004518496.1	Scaffold3933	1387	CC	AA	1940541998
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SNP_P1_259512_1013	NW_004518497.1	Scaffold3934	1013	TT	AA	1940542002
SNP_P1_259513_1190	NW_004518497.1	Scaffold3934	1190	AA	GG	1940542004
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SNP_P1_259515_3842	NW_004518497.1	Scaffold3934	3842	CC	TT	1940542009
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SNP_P1_259517_4359	NW_004518497.1	Scaffold3934	4359	GG	AA	1940542013
SNP_P1_259518_4641	NW_004518497.1	Scaffold3934	4641	GG	TT	1940542015
SNP_P1_259519_4817	NW_004518497.1	Scaffold3934	4817	AA	GG	1940542017
SNP_P1_259520_5295	NW_004518497.1	Scaffold3934	5295	AA	GG	1940542019
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SNP_P1_259546_11597	NW_004518507.1	Scaffold3945	11597	GG	CC	1940542070
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259553_3593	NW_004518509.1	Scaffold3947	3593	TT	GG	1940542080
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SNP_P1_259562_11486	NW_004518509.1	Scaffold3947	11486	TT	GG	1940542097
SNP_P1_259563_11493	NW_004518509.1	Scaffold3947	11493	TT	AA	1940542099
SNP_P1_259565_11575	NW_004518509.1	Scaffold3947	11575	TT	AA	1940542101
SNP_P1_259566_12395	NW_004518509.1	Scaffold3947	12395	TT	AA	1940542103
SNP_P1_259567_12399	NW_004518509.1	Scaffold3947	12399	AA	GG	1940542106
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SNP_P1_259569_13016	NW_004518509.1	Scaffold3947	13016	CC	TT	1940542110
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SNP_P1_259571_19940	NW_004518509.1	Scaffold3947	19940	CC	AA	1940542114
SNP_P1_259572_19962	NW_004518509.1	Scaffold3947	19962	GG	AA	1940542116
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SNP_P1_259574_109	NW_004518510.1	Scaffold3948	109	TT	AA	1940542120
SNP_P1_259575_111	NW_004518510.1	Scaffold3948	111	CC	GG	1940542122
SNP_P1_259576_1740	NW_004518511.1	Scaffold3950	1740	GG	TT	1940542125
SNP_P1_259577_1747	NW_004518511.1	Scaffold3950	1747	TT	AA	1940542127
SNP_P1_259578_1882	NW_004518511.1	Scaffold3950	1882	TT	AA	1940542129
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SNP_P1_259591_4948	NW_004518511.1	Scaffold3950	4948	GG	AA	1940542156
SNP_P1_259592_6177	NW_004518511.1	Scaffold3950	6177	CC	AA	1940542158
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259598_7005	NW_004518511.1	Scaffold3950	7005	CC	TT	1940542171
SNP_P1_259599_7026	NW_004518511.1	Scaffold3950	7026	CC	TT	1940542173
SNP_P1_259600_7073	NW_004518511.1	Scaffold3950	7073	GG	CC	1940542175
SNP_P1_259601_7107	NW_004518511.1	Scaffold3950	7107	TT	CC	1940542177
SNP_P1_259602_7114	NW_004518511.1	Scaffold3950	7114	TT	GG	1940542179
SNP_P1_259604_7432	NW_004518511.1	Scaffold3950	7432	TT	CC	1940542181
SNP_P1_259605_7497	NW_004518511.1	Scaffold3950	7497	TT	AA	1940542184
SNP_P1_259606_7543	NW_004518511.1	Scaffold3950	7543	AA	GG	1940542186
SNP_P1_259607_7620	NW_004518511.1	Scaffold3950	7620	GG	TT	1940542188
SNP_P1_259610_7838	NW_004518511.1	Scaffold3950	7838	AA	GG	1940542190
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SNP_P1_259612_8132	NW_004518511.1	Scaffold3950	8132	AA	GG	1940542194
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SNP_P1_259632_9217	NW_004518511.1	Scaffold3950	9217	AA	GG	1940542228
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SNP_P1_259640_15393	NW_004518511.1	Scaffold3950	15393	AA	CC	1940542243
SNP_P1_259641_984	NW_004518512.1	Scaffold3951	984	GG	CC	1940542245
SNP_P1_259642_993	NW_004518512.1	Scaffold3951	993	GG	AA	1940542247
SNP_P1_259643_1006	NW_004518512.1	Scaffold3951	1006	CC	AA	1940542249
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259647_1136	NW_004518512.1	Scaffold3951	1136	TT	AA	1940542257
SNP_P1_259648_1156	NW_004518512.1	Scaffold3951	1156	AA	GG	1940542259
SNP_P1_259649_1828	NW_004518512.1	Scaffold3951	1828	AA	TT	1940542262
SNP_P1_259651_1923	NW_004518512.1	Scaffold3951	1923	CC	TT	1940542264
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SNP_P1_259653_2866	NW_004518512.1	Scaffold3951	2866	AA	GG	1940542268
SNP_P1_259655_2870	NW_004518512.1	Scaffold3951	2870	GG	AA	1940542270
SNP_P1_259657_2911	NW_004518512.1	Scaffold3951	2911	GG	CC	1940542272
SNP_P1_259659_797	NW_004518513.1	Scaffold3952	797	CC	TT	1940542274
SNP_P1_259660_809	NW_004518513.1	Scaffold3952	809	AA	GG	1940542276
SNP_P1_259662_1058	NW_004518513.1	Scaffold3952	1058	TT	CC	1940542278
SNP_P1_259663_1104	NW_004518513.1	Scaffold3952	1104	AA	GG	1940542280
SNP_P1_259664_1174	NW_004518513.1	Scaffold3952	1174	AA	GG	1940542283
SNP_P1_259665_1253	NW_004518513.1	Scaffold3952	1253	TT	CC	1940542285
SNP_P1_259666_1283	NW_004518513.1	Scaffold3952	1283	TT	GG	1940542287
SNP_P1_259667_1412	NW_004518513.1	Scaffold3952	1412	AA	CC	1940542289
SNP_P1_259668_397	NW_004518514.1	Scaffold3953	397	CC	TT	1940542291
SNP_P1_259669_417	NW_004518514.1	Scaffold3953	417	GG	AA	1940542293
SNP_P1_259671_485	NW_004518514.1	Scaffold3953	485	CC	TT	1940542295
SNP_P1_259672_521	NW_004518514.1	Scaffold3953	521	GG	AA	1940542297
SNP_P1_259673_1083	NW_004518516.1	Scaffold3959	1083	AA	CC	1940542299
SNP_P1_259674_56	NW_004518519.1	Scaffold3962	56	CC	TT	1940542301
SNP_P1_259675_64	NW_004518519.1	Scaffold3962	64	TT	GG	1940542304
SNP_P1_259676_68	NW_004518519.1	Scaffold3962	68	GG	AA	1940542306
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SNP_P1_259678_389	NW_004518519.1	Scaffold3962	389	CC	TT	1940542310
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SNP_P1_259680_466	NW_004518521.1	Scaffold3964	466	AA	GG	1940542314
SNP_P1_259681_64	NW_004518522.1	Scaffold3966	64	CC	GG	1940542316
SNP_P1_259682_3727	NW_004518523.1	Scaffold3967	3727	GG	CC	1940542318
SNP_P1_259683_3774	NW_004518523.1	Scaffold3967	3774	GG	AA	1940542320
SNP_P1_259684_3796	NW_004518523.1	Scaffold3967	3796	CC	TT	1940542323
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SNP_P1_259686_4687	NW_004518525.1	Scaffold3970	4687	TT	CC	1940542327
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SNP_P1_259688_4948	NW_004518525.1	Scaffold3970	4948	CC	AA	1940542331
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SNP_P1_259690_5073	NW_004518525.1	Scaffold3970	5073	AA	CC	1940542335
SNP_P1_259691_5090	NW_004518525.1	Scaffold3970	5090	GG	AA	1940542337
SNP_P1_259692_5285	NW_004518525.1	Scaffold3970	5285	GG	AA	1940542339

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259696_681	NW_004518528.1	Scaffold3973	681	AA	TT	1940542348
SNP_P1_259697_898	NW_004518528.1	Scaffold3973	898	AA	GG	1940542350
SNP_P1_259698_4628	NW_004518528.1	Scaffold3973	4628	CC	TT	1940542352
SNP_P1_259699_13355	NW_004518532.1	Scaffold3978	13355	TT	GG	1940542354
SNP_P1_259700_35	NW_004518533.1	Scaffold3979	35	CC	TT	1940542356
SNP_P1_259701_64	NW_004518533.1	Scaffold3979	64	TT	GG	1940542358
SNP_P1_259702_76	NW_004518533.1	Scaffold3979	76	CC	AA	1940542360
SNP_P1_259703_673	NW_004518533.1	Scaffold3979	673	TT	AA	1940542362
SNP_P1_259704_15754	NW_004518537.1	Scaffold3985	15754	AA	CC	1940542364
SNP_P1_259705_1016	NW_004518541.1	Scaffold3989	1016	TT	GG	1940542367
SNP_P1_259706_1036	NW_004518541.1	Scaffold3989	1036	CC	TT	1940542369
SNP_P1_259707_1066	NW_004518541.1	Scaffold3989	1066	AA	GG	1940542371
SNP_P1_259708_5225	NW_004518544.1	Scaffold3993	5225	CC	TT	1940542373
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SNP_P1_259710_1798	NW_004518546.1	Scaffold3995	1798	GG	AA	1940542377
SNP_P1_259711_419	NW_004518547.1	Scaffold3996	419	TT	GG	1940542379
SNP_P1_259712_423	NW_004518547.1	Scaffold3996	423	AA	TT	1940542381
SNP_P1_259713_580	NW_004518547.1	Scaffold3996	580	CC	TT	1940542384
SNP_P1_259714_665	NW_004518547.1	Scaffold3996	665	TT	GG	1940542386
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SNP_P1_259716_558	NW_004518550.1	Scaffold4002	558	AA	CC	1940542390
SNP_P1_259717_870	NW_004518550.1	Scaffold4002	870	AA	GG	1940542392
SNP_P1_259718_880	NW_004518550.1	Scaffold4002	880	GG	AA	1940542394
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SNP_P1_259726_22409	NW_004518551.1	Scaffold4003	22409	CC	GG	1940542411
SNP_P1_259727_22439	NW_004518551.1	Scaffold4003	22439	GG	CC	1940542413
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SNP_P1_259729_22836	NW_004518551.1	Scaffold4003	22836	TT	CC	1940542417
SNP_P1_259730_22891	NW_004518551.1	Scaffold4003	22891	GG	TT	1940542419
SNP_P1_259731_23722	NW_004518551.1	Scaffold4003	23722	GG	AA	1940542421
SNP_P1_259732_23763	NW_004518551.1	Scaffold4003	23763	TT	CC	1940542424
SNP_P1_259733_23772	NW_004518551.1	Scaffold4003	23772	GG	CC	1940542426
SNP_P1_259734_23780	NW_004518551.1	Scaffold4003	23780	GG	AA	1940542428

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259737_266	NW_004518554.1	Scaffold4007	266	GG	AA	1940542434
SNP_P1_259738_394	NW_004518554.1	Scaffold4007	394	CC	GG	1940542436
SNP_P1_259739_1093	NW_004518554.1	Scaffold4007	1093	TT	GG	1940542438
SNP_P1_259740_1181	NW_004518554.1	Scaffold4007	1181	CC	TT	1940542441
SNP_P1_259741_1423	NW_004518554.1	Scaffold4007	1423	AA	GG	1940542443
SNP_P1_259742_1675	NW_004518557.1	Scaffold4011	1675	GG	AA	1940542445
SNP_P1_259743_2952	NW_004518557.1	Scaffold4011	2952	CC	TT	1940542447
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SNP_P1_259749_65207	NW_004518557.1	Scaffold4011	65207	AA	GG	1940542453
SNP_P1_259750_96223	NW_004518557.1	Scaffold4011	96223	CC	GG	1940542455
SNP_P1_259751_104601	NW_004518557.1	Scaffold4011	104601	GG	AA	1940542457
SNP_P1_259753_116823	NW_004518557.1	Scaffold4011	116823	GG	AA	1940542459
SNP_P1_259754_125560	NW_004518557.1	Scaffold4011	125560	GG	CC	1940542462
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SNP_P1_259761_112	NW_004518559.1	Scaffold4014	112	AA	CC	1940542472
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SNP_P1_259768_1012	NW_004518561.1	Scaffold4017	1012	CC	TT	1940542487
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SNP_P1_259770_1042	NW_004518561.1	Scaffold4017	1042	CC	TT	1940542491
SNP_P1_259771_1370	NW_004518561.1	Scaffold4017	1370	CC	AA	1940542493
SNP_P1_259772_1371	NW_004518561.1	Scaffold4017	1371	CC	AA	1940542495
SNP_P1_259773_124	NW_004518563.1	Scaffold4020	124	TT	CC	1940542497
SNP_P1_259774_323	NW_004518563.1	Scaffold4020	323	GG	AA	1940542499
SNP_P1_259775_467	NW_004518563.1	Scaffold4020	467	AA	TT	1940542502
SNP_P1_259777_838	NW_004518563.1	Scaffold4020	838	TT	CC	1940542504
SNP_P1_259779_1000	NW_004518563.1	Scaffold4020	1000	TT	AA	1940542506
SNP_P1_259780_1009	NW_004518563.1	Scaffold4020	1009	GG	TT	1940542508
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SNP_P1_259783_10919	NW_004518563.1	Scaffold4020	10919	CC	GG	1940542514
SNP_P1_259784_3734	NW_004518565.1	Scaffold4024	3734	GG	TT	1940542516

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259788_5973	NW_004518565.1	Scaffold4024	5973	AA	GG	1940542523
SNP_P1_259789_5985	NW_004518565.1	Scaffold4024	5985	CC	TT	1940542525
SNP_P1_259790_365	NW_004518567.1	Scaffold4026	365	TT	AA	1940542527
SNP_P1_259791_8238	NW_004518568.1	Scaffold4028	8238	AA	GG	1940542529
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SNP_P1_259793_8347	NW_004518568.1	Scaffold4028	8347	CC	TT	1940542533
SNP_P1_259794_8377	NW_004518568.1	Scaffold4028	8377	TT	CC	1940542535
SNP_P1_259795_8448	NW_004518568.1	Scaffold4028	8448	AA	CC	1940542537
SNP_P1_259796_8507	NW_004518568.1	Scaffold4028	8507	TT	GG	1940542539
SNP_P1_259797_8586	NW_004518568.1	Scaffold4028	8586	AA	GG	1940542542
SNP_P1_259798_8602	NW_004518568.1	Scaffold4028	8602	CC	AA	1940542544
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SNP_P1_259800_8677	NW_004518568.1	Scaffold4028	8677	AA	TT	1940542548
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SNP_P1_259804_14695	NW_004518568.1	Scaffold4028	14695	CC	AA	1940542556
SNP_P1_259805_14763	NW_004518568.1	Scaffold4028	14763	TT	AA	1940542558
SNP_P1_259806_19136	NW_004518568.1	Scaffold4028	19136	CC	TT	1940542560
SNP_P1_259807_19150	NW_004518568.1	Scaffold4028	19150	AA	GG	1940542563
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SNP_P1_259809_21875	NW_004518568.1	Scaffold4028	21875	CC	TT	1940542567
SNP_P1_259810_25263	NW_004518568.1	Scaffold4028	25263	TT	CC	1940542569
SNP_P1_259811_27005	NW_004518568.1	Scaffold4028	27005	AA	GG	1940542571
SNP_P1_259812_27055	NW_004518568.1	Scaffold4028	27055	AA	TT	1940542573
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SNP_P1_259824_27608	NW_004518568.1	Scaffold4028	27608	GG	AA	1940542596
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SNP_P1_259826_38444	NW_004518568.1	Scaffold4028	38444	AA	CC	1940542601
SNP_P1_259827_42401	NW_004518568.1	Scaffold4028	42401	AA	CC	1940542603
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259836_900	NW_004518570.1	Scaffold4031	900	AA	CC	1940542622
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SNP_P1_259838_1087	NW_004518570.1	Scaffold4031	1087	GG	AA	1940542626
SNP_P1_259839_2185	NW_004518571.1	Scaffold4032	2185	CC	TT	1940542628
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SNP_P1_259841_2250	NW_004518571.1	Scaffold4032	2250	TT	AA	1940542632
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SNP_P1_259843_2518	NW_004518571.1	Scaffold4032	2518	GG	AA	1940542636
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SNP_P1_259846_2586	NW_004518571.1	Scaffold4032	2586	AA	CC	1940542643
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SNP_P1_259848_2704	NW_004518571.1	Scaffold4032	2704	AA	CC	1940542647
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SNP_P1_259853_2979	NW_004518572.1	Scaffold4034	2979	CC	AA	1940542657
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SNP_P1_259863_994	NW_004518575.1	Scaffold4038	994	AA	CC	1940542676
SNP_P1_259864_1057	NW_004518575.1	Scaffold4038	1057	GG	TT	1940542678
SNP_P1_259866_1145	NW_004518575.1	Scaffold4038	1145	TT	GG	1940542680
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SNP_P1_259868_524	NW_004518577.1	Scaffold4040	524	TT	CC	1940542685
SNP_P1_259869_64	NW_004518578.1	Scaffold4041	64	TT	AA	1940542687
SNP_P1_259870_99	NW_004518578.1	Scaffold4041	99	CC	AA	1940542689
SNP_P1_259871_150	NW_004518578.1	Scaffold4041	150	TT	GG	1940542691
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259878_15431	NW_004518578.1	Scaffold4041	15431	GG	AA	1940542702
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SNP_P1_259883_15666	NW_004518578.1	Scaffold4041	15666	TT	CC	1940542710
SNP_P1_259884_15667	NW_004518578.1	Scaffold4041	15667	TT	AA	1940542712
SNP_P1_259886_15746	NW_004518578.1	Scaffold4041	15746	TT	CC	1940542714
SNP_P1_259888_15777	NW_004518578.1	Scaffold4041	15777	CC	GG	1940542716
SNP_P1_259889_15784	NW_004518578.1	Scaffold4041	15784	GG	CC	1940542718
SNP_P1_259890_15847	NW_004518578.1	Scaffold4041	15847	CC	TT	1940542721
SNP_P1_259892_15873	NW_004518578.1	Scaffold4041	15873	TT	CC	1940542723
SNP_P1_259893_15905	NW_004518578.1	Scaffold4041	15905	AA	TT	1940542725
SNP_P1_259895_16001	NW_004518578.1	Scaffold4041	16001	CC	TT	1940542727
SNP_P1_259896_16018	NW_004518578.1	Scaffold4041	16018	CC	TT	1940542729
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SNP_P1_259903_16312	NW_004518578.1	Scaffold4041	16312	TT	CC	1940542742
SNP_P1_259904_16346	NW_004518578.1	Scaffold4041	16346	GG	AA	1940542744
SNP_P1_259905_16399	NW_004518578.1	Scaffold4041	16399	GG	AA	1940542746
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SNP_P1_259910_39693	NW_004518578.1	Scaffold4041	39693	GG	AA	1940542754
SNP_P1_259911_39819	NW_004518578.1	Scaffold4041	39819	CC	TT	1940542756
SNP_P1_259912_208	NW_004518580.1	Scaffold4045	208	CC	GG	1940542759
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SNP_P1_259915_239	NW_004518580.1	Scaffold4045	239	AA	CC	1940542763
SNP_P1_259916_240	NW_004518580.1	Scaffold4045	240	CC	AA	1940542765
SNP_P1_259917_567	NW_004518580.1	Scaffold4045	567	TT	CC	1940542767
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SNP_P1_259919_1128	NW_004518580.1	Scaffold4045	1128	AA	GG	1940542771
SNP_P1_259920_1419	NW_004518580.1	Scaffold4045	1419	TT	AA	1940542773
SNP_P1_259921_1544	NW_004518580.1	Scaffold4045	1544	AA	GG	1940542775
SNP_P1_259922_1560	NW_004518580.1	Scaffold4045	1560	CC	AA	1940542777
SNP_P1_259924_97	NW_004518583.1	Scaffold4050	97	GG	CC	1940542780
SNP_P1_259927_5742	NW_004518585.1	Scaffold4052	5742	AA	TT	1940542782

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259931_18988	NW_004518588.1	Scaffold4057	18988	TT	AA	1940542788
SNP_P1_259933_31725	NW_004518588.1	Scaffold4057	31725	AA	CC	1940542790
SNP_P1_259934_34319	NW_004518588.1	Scaffold4057	34319	AA	CC	1940542792
SNP_P1_259935_34381	NW_004518588.1	Scaffold4057	34381	GG	TT	1940542794
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SNP_P1_259939_2736	NW_004518590.1	Scaffold4061	2736	AA	TT	1940542799
SNP_P1_259940_2772	NW_004518590.1	Scaffold4061	2772	AA	CC	1940542801
SNP_P1_259941_3094	NW_004518590.1	Scaffold4061	3094	CC	TT	1940542803
SNP_P1_259942_6062	NW_004518590.1	Scaffold4061	6062	TT	GG	1940542805
SNP_P1_259943_7205	NW_004518590.1	Scaffold4061	7205	TT	GG	1940542807
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SNP_P1_259945_8203	NW_004518590.1	Scaffold4061	8203	GG	AA	1940542811
SNP_P1_259946_8205	NW_004518590.1	Scaffold4061	8205	TT	AA	1940542813
SNP_P1_259948_8246	NW_004518590.1	Scaffold4061	8246	AA	GG	1940542815
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SNP_P1_259953_556	NW_004518592.1	Scaffold4064	556	TT	GG	1940542826
SNP_P1_259954_601	NW_004518592.1	Scaffold4064	601	CC	GG	1940542828
SNP_P1_259955_694	NW_004518592.1	Scaffold4064	694	AA	GG	1940542830
SNP_P1_259956_754	NW_004518592.1	Scaffold4064	754	TT	CC	1940542832
SNP_P1_259958_912	NW_004518592.1	Scaffold4064	912	AA	GG	1940542834
SNP_P1_259959_987	NW_004518592.1	Scaffold4064	987	TT	GG	1940542836
SNP_P1_259960_1018	NW_004518592.1	Scaffold4064	1018	AA	GG	1940542839
SNP_P1_259962_1349	NW_004518592.1	Scaffold4064	1349	CC	GG	1940542841
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SNP_P1_259967_1967	NW_004518592.1	Scaffold4064	1967	CC	AA	1940542849
SNP_P1_259968_2014	NW_004518592.1	Scaffold4064	2014	GG	TT	1940542851
SNP_P1_259970_2548	NW_004518592.1	Scaffold4064	2548	TT	AA	1940542853
SNP_P1_259971_2750	NW_004518592.1	Scaffold4064	2750	GG	TT	1940542855
SNP_P1_259972_2806	NW_004518592.1	Scaffold4064	2806	AA	GG	1940542858
SNP_P1_259973_3215	NW_004518592.1	Scaffold4064	3215	TT	AA	1940542860
SNP_P1_259974_3255	NW_004518592.1	Scaffold4064	3255	CC	TT	1940542862
SNP_P1_259975_3338	NW_004518592.1	Scaffold4064	3338	CC	AA	1940542864
SNP_P1_259976_3369	NW_004518592.1	Scaffold4064	3369	AA	GG	1940542866
SNP_P1_259977_3520	NW_004518592.1	Scaffold4064	3520	GG	AA	1940542868
SNP_P1_259978_3533	NW_004518592.1	Scaffold4064	3533	TT	GG	1940542870

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_259981_3700	NW_004518592.1	Scaffold4064	3700	AA	TT	1940542876
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SNP_P1_259983_3841	NW_004518592.1	Scaffold4064	3841	CC	TT	1940542881
SNP_P1_259984_3883	NW_004518592.1	Scaffold4064	3883	GG	TT	1940542883
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SNP_P1_259989_4091	NW_004518592.1	Scaffold4064	4091	GG	TT	1940542893
SNP_P1_259990_4212	NW_004518592.1	Scaffold4064	4212	AA	GG	1940542895
SNP_P1_259991_4307	NW_004518592.1	Scaffold4064	4307	TT	CC	1940542898
SNP_P1_259992_4633	NW_004518592.1	Scaffold4064	4633	AA	TT	1940542900
SNP_P1_259993_4670	NW_004518592.1	Scaffold4064	4670	AA	GG	1940542902
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SNP_P1_259995_4791	NW_004518592.1	Scaffold4064	4791	GG	AA	1940542906
SNP_P1_259996_4816	NW_004518592.1	Scaffold4064	4816	TT	AA	1940542908
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SNP_P1_260009_373	NW_004518605.1	Scaffold4081	373	GG	TT	1940542927
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SNP_P1_260011_505	NW_004518605.1	Scaffold4081	505	TT	AA	1940542931
SNP_P1_260012_608	NW_004518605.1	Scaffold4081	608	GG	AA	1940542933
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SNP_P1_260024_11533	NW_004518611.1	Scaffold4088	11533	GG	AA	1940542954
SNP_P1_260025_11569	NW_004518611.1	Scaffold4088	11569	TT	CC	1940542956
SNP_P1_260027_11796	NW_004518611.1	Scaffold4088	11796	CC	TT	1940542959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260030_14922	NW_004518611.1	Scaffold4088	14922	AA	GG	1940542965
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SNP_P1_260033_15090	NW_004518611.1	Scaffold4088	15090	AA	CC	1940542971
SNP_P1_260034_16469	NW_004518611.1	Scaffold4088	16469	TT	CC	1940542973
SNP_P1_260035_16482	NW_004518611.1	Scaffold4088	16482	CC	GG	1940542975
SNP_P1_260036_17165	NW_004518611.1	Scaffold4088	17165	AA	TT	1940542978
SNP_P1_260037_17468	NW_004518611.1	Scaffold4088	17468	CC	GG	1940542980
SNP_P1_260038_17469	NW_004518611.1	Scaffold4088	17469	CC	TT	1940542982
SNP_P1_260040_17564	NW_004518611.1	Scaffold4088	17564	CC	TT	1940542984
SNP_P1_260041_17565	NW_004518611.1	Scaffold4088	17565	AA	GG	1940542986
SNP_P1_260042_17642	NW_004518611.1	Scaffold4088	17642	TT	CC	1940542988
SNP_P1_260043_17682	NW_004518611.1	Scaffold4088	17682	CC	TT	1940542990
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SNP_P1_260045_17816	NW_004518611.1	Scaffold4088	17816	TT	GG	1940542994
SNP_P1_260046_17818	NW_004518611.1	Scaffold4088	17818	AA	TT	1940542997
SNP_P1_260047_17980	NW_004518611.1	Scaffold4088	17980	AA	GG	1940542999
SNP_P1_260048_18198	NW_004518611.1	Scaffold4088	18198	CC	TT	1940543001
SNP_P1_260049_18304	NW_004518611.1	Scaffold4088	18304	GG	AA	1940543003
SNP_P1_260050_18519	NW_004518611.1	Scaffold4088	18519	TT	CC	1940543005
SNP_P1_260051_22012	NW_004518611.1	Scaffold4088	22012	AA	GG	1940543007
SNP_P1_260052_24341	NW_004518611.1	Scaffold4088	24341	GG	AA	1940543009
SNP_P1_260053_24477	NW_004518611.1	Scaffold4088	24477	AA	GG	1940543011
SNP_P1_260054_26036	NW_004518611.1	Scaffold4088	26036	TT	CC	1940543013
SNP_P1_260055_26266	NW_004518611.1	Scaffold4088	26266	GG	AA	1940543016
SNP_P1_260056_19484	NW_004518612.1	Scaffold4089	19484	GG	TT	1940543018
SNP_P1_260057_255	NW_004518620.1	Scaffold4100	255	CC	AA	1940543020
SNP_P1_260058_279	NW_004518620.1	Scaffold4100	279	AA	GG	1940543022
SNP_P1_260059_499	NW_004518620.1	Scaffold4100	499	TT	GG	1940543024
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SNP_P1_260062_1358	NW_004518623.1	Scaffold4106	1358	CC	AA	1940543030
SNP_P1_260063_1611	NW_004518623.1	Scaffold4106	1611	AA	CC	1940543032
SNP_P1_260064_2242	NW_004518624.1	Scaffold4107	2242	TT	CC	1940543034
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SNP_P1_260067_9593	NW_004518624.1	Scaffold4107	9593	AA	TT	1940543041
SNP_P1_260068_9621	NW_004518624.1	Scaffold4107	9621	AA	TT	1940543043
SNP_P1_260070_352	NW_004518625.1	Scaffold4108	352	CC	TT	1940543045
SNP_P1_260071_367	NW_004518625.1	Scaffold4108	367	TT	AA	1940543047

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_260072_393	NW_004518625.1	Scaffold4108	393	AA	CC	1940543049
SNP_P1_260073_4114	NW_004518625.1	Scaffold4108	4114	CC	GG	1940543051
SNP_P1_260074_4968	NW_004518625.1	Scaffold4108	4968	GG	AA	1940543053
SNP_P1_260075_4972	NW_004518625.1	Scaffold4108	4972	CC	AA	1940543056
SNP_P1_260076_5169	NW_004518625.1	Scaffold4108	5169	CC	GG	1940543058
SNP_P1_260077_5261	NW_004518625.1	Scaffold4108	5261	AA	GG	1940543060
SNP_P1_260078_5320	NW_004518625.1	Scaffold4108	5320	GG	AA	1940543062
SNP_P1_260079_5465	NW_004518625.1	Scaffold4108	5465	GG	AA	1940543064
SNP_P1_260080_5532	NW_004518625.1	Scaffold4108	5532	CC	AA	1940543066
SNP_P1_260081_5768	NW_004518625.1	Scaffold4108	5768	TT	AA	1940543068
SNP_P1_260082_6309	NW_004518625.1	Scaffold4108	6309	AA	TT	1940543070
SNP_P1_260084_6349	NW_004518625.1	Scaffold4108	6349	TT	CC	1940543072
SNP_P1_260085_6591	NW_004518625.1	Scaffold4108	6591	AA	TT	1940543074
SNP_P1_260086_6622	NW_004518625.1	Scaffold4108	6622	CC	AA	1940543077
SNP_P1_260087_6636	NW_004518625.1	Scaffold4108	6636	TT	CC	1940543079
SNP_P1_260088_6658	NW_004518625.1	Scaffold4108	6658	AA	GG	1940543081
SNP_P1_260089_8087	NW_004518625.1	Scaffold4108	8087	AA	TT	1940543083
SNP_P1_260090_8156	NW_004518625.1	Scaffold4108	8156	TT	CC	1940543085
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SNP_P1_260098_9576	NW_004518625.1	Scaffold4108	9576	GG	AA	1940543100
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SNP_P1_260100_11197	NW_004518625.1	Scaffold4108	11197	TT	GG	1940543104
SNP_P1_260101_11337	NW_004518625.1	Scaffold4108	11337	AA	GG	1940543106
SNP_P1_260102_11405	NW_004518625.1	Scaffold4108	11405	GG	AA	1940543108
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SNP_P1_260106_5073	NW_004518633.1	Scaffold4118	5073	AA	CC	1940543117
SNP_P1_260107_11919	NW_004518633.1	Scaffold4118	11919	AA	GG	1940543119
SNP_P1_260108_14717	NW_004518633.1	Scaffold4118	14717	GG	AA	1940543121
SNP_P1_260109_15286	NW_004518633.1	Scaffold4118	15286	GG	TT	1940543123
SNP_P1_260110_15390	NW_004518633.1	Scaffold4118	15390	CC	GG	1940543125
SNP_P1_260111_15587	NW_004518633.1	Scaffold4118	15587	TT	CC	1940543127
SNP_P1_260112_15603	NW_004518633.1	Scaffold4118	15603	GG	AA	1940543129
SNP_P1_260113_15617	NW_004518633.1	Scaffold4118	15617	TT	AA	1940543131
SNP_P1_260114_15900	NW_004518633.1	Scaffold4118	15900	AA	TT	1940543133
SNP_P1_260115_15910	NW_004518633.1	Scaffold4118	15910	TT	AA	1940543136

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260117_18924	NW_004518633.1	Scaffold4118	18924	GG	AA	1940543140
SNP_P1_260118_22091	NW_004518633.1	Scaffold4118	22091	AA	GG	1940543142
SNP_P1_260119_22175	NW_004518633.1	Scaffold4118	22175	TT	AA	1940543144
SNP_P1_260120_22263	NW_004518633.1	Scaffold4118	22263	CC	TT	1940543146
SNP_P1_260121_22264	NW_004518633.1	Scaffold4118	22264	AA	GG	1940543148
SNP_P1_260122_23852	NW_004518633.1	Scaffold4118	23852	AA	GG	1940543150
SNP_P1_260123_26645	NW_004518633.1	Scaffold4118	26645	CC	AA	1940543152
SNP_P1_260124_27055	NW_004518633.1	Scaffold4118	27055	AA	TT	1940543155
SNP_P1_260125_404	NW_004518636.1	Scaffold4122	404	AA	GG	1940543157
SNP_P1_260126_283	NW_004518637.1	Scaffold4124	283	CC	TT	1940543159
SNP_P1_260127_326	NW_004518637.1	Scaffold4124	326	GG	AA	1940543161
SNP_P1_260128_579	NW_004518637.1	Scaffold4124	579	TT	CC	1940543163
SNP_P1_260129_430	NW_004518640.1	Scaffold4127	430	GG	AA	1940543165
SNP_P1_260130_502	NW_004518647.1	Scaffold4141	502	TT	CC	1940543167
SNP_P1_260131_642	NW_004518647.1	Scaffold4141	642	AA	GG	1940543169
SNP_P1_260132_654	NW_004518647.1	Scaffold4141	654	AA	GG	1940543171
SNP_P1_260133_658	NW_004518647.1	Scaffold4141	658	TT	GG	1940543173
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SNP_P1_260135_2130	NW_004518648.1	Scaffold4142	2130	GG	AA	1940543178
SNP_P1_260136_2156	NW_004518648.1	Scaffold4142	2156	GG	AA	1940543180
SNP_P1_260137_2184	NW_004518648.1	Scaffold4142	2184	AA	CC	1940543182
SNP_P1_260138_2240	NW_004518648.1	Scaffold4142	2240	TT	AA	1940543184
SNP_P1_260139_2505	NW_004518648.1	Scaffold4142	2505	AA	CC	1940543186
SNP_P1_260140_2566	NW_004518648.1	Scaffold4142	2566	TT	GG	1940543188
SNP_P1_260141_2584	NW_004518648.1	Scaffold4142	2584	TT	CC	1940543190
SNP_P1_260142_2628	NW_004518648.1	Scaffold4142	2628	AA	GG	1940543192
SNP_P1_260143_2690	NW_004518648.1	Scaffold4142	2690	AA	GG	1940543195
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SNP_P1_260145_2785	NW_004518648.1	Scaffold4142	2785	GG	AA	1940543199
SNP_P1_260146_2806	NW_004518648.1	Scaffold4142	2806	GG	AA	1940543201
SNP_P1_260147_2895	NW_004518648.1	Scaffold4142	2895	AA	GG	1940543203
SNP_P1_260148_6314	NW_004518648.1	Scaffold4142	6314	CC	TT	1940543205
SNP_P1_260149_10703	NW_004518648.1	Scaffold4142	10703	CC	AA	1940543207
SNP_P1_260150_10708	NW_004518648.1	Scaffold4142	10708	GG	AA	1940543209
SNP_P1_260151_12814	NW_004518648.1	Scaffold4142	12814	GG	AA	1940543211
SNP_P1_260152_12893	NW_004518648.1	Scaffold4142	12893	AA	GG	1940543214
SNP_P1_260153_13191	NW_004518648.1	Scaffold4142	13191	CC	TT	1940543216
SNP_P1_260154_13332	NW_004518648.1	Scaffold4142	13332	TT	GG	1940543218
SNP_P1_260155_13336	NW_004518648.1	Scaffold4142	13336	AA	TT	1940543220
SNP_P1_260156_13344	NW_004518648.1	Scaffold4142	13344	CC	TT	1940543222
SNP_P1_260157_13767	NW_004518648.1	Scaffold4142	13767	TT	CC	1940543224

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260160_11341	NW_004518652.1	Scaffold4149	11341	AA	GG	1940543230
SNP_P1_260161_11349	NW_004518652.1	Scaffold4149	11349	TT	AA	1940543232
SNP_P1_260162_11430	NW_004518652.1	Scaffold4149	11430	GG	AA	1940543235
SNP_P1_260163_11638	NW_004518652.1	Scaffold4149	11638	CC	TT	1940543237
SNP_P1_260164_11709	NW_004518652.1	Scaffold4149	11709	AA	CC	1940543239
SNP_P1_260165_11723	NW_004518652.1	Scaffold4149	11723	CC	TT	1940543241
SNP_P1_260166_11739	NW_004518652.1	Scaffold4149	11739	GG	AA	1940543243
SNP_P1_260167_11748	NW_004518652.1	Scaffold4149	11748	TT	CC	1940543245
SNP_P1_260168_11762	NW_004518652.1	Scaffold4149	11762	AA	CC	1940543247
SNP_P1_260169_11763	NW_004518652.1	Scaffold4149	11763	CC	TT	1940543249
SNP_P1_260170_12428	NW_004518652.1	Scaffold4149	12428	AA	GG	1940543252
SNP_P1_260171_12474	NW_004518652.1	Scaffold4149	12474	GG	CC	1940543254
SNP_P1_260172_12507	NW_004518652.1	Scaffold4149	12507	AA	GG	1940543256
SNP_P1_260173_12805	NW_004518652.1	Scaffold4149	12805	AA	GG	1940543258
SNP_P1_260174_12849	NW_004518652.1	Scaffold4149	12849	TT	CC	1940543260
SNP_P1_260176_12919	NW_004518652.1	Scaffold4149	12919	CC	TT	1940543262
SNP_P1_260177_12921	NW_004518652.1	Scaffold4149	12921	AA	GG	1940543264
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SNP_P1_260180_535	NW_004518654.1	Scaffold4155	535	GG	TT	1940543271
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SNP_P1_260186_11292	NW_004518654.1	Scaffold4155	11292	AA	CC	1940543281
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SNP_P1_260197_16504	NW_004518654.1	Scaffold4155	16504	CC	TT	1940543304
SNP_P1_260198_16505	NW_004518654.1	Scaffold4155	16505	CC	TT	1940543306
SNP_P1_260199_20461	NW_004518654.1	Scaffold4155	20461	GG	TT	1940543308
SNP_P1_260200_21878	NW_004518654.1	Scaffold4155	21878	TT	AA	1940543311
SNP_P1_260201_21890	NW_004518654.1	Scaffold4155	21890	CC	TT	1940543313

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260206_22052	NW_004518654.1	Scaffold4155	22052	CC	TT	1940543323
SNP_P1_260207_22069	NW_004518654.1	Scaffold4155	22069	CC	AA	1940543325
SNP_P1_260208_169	NW_004518655.1	Scaffold4156	169	CC	TT	1940543327
SNP_P1_260209_484	NW_004518655.1	Scaffold4156	484	CC	TT	1940543329
SNP_P1_260210_494	NW_004518655.1	Scaffold4156	494	CC	GG	1940543332
SNP_P1_260211_569	NW_004518655.1	Scaffold4156	569	AA	GG	1940543334
SNP_P1_260212_1288	NW_004518655.1	Scaffold4156	1288	GG	TT	1940543336
SNP_P1_260213_1340	NW_004518655.1	Scaffold4156	1340	CC	TT	1940543338
SNP_P1_260214_1425	NW_004518655.1	Scaffold4156	1425	AA	GG	1940543340
SNP_P1_260216_3729	NW_004518656.1	Scaffold4157	3729	TT	AA	1940543342
SNP_P1_260217_3958	NW_004518656.1	Scaffold4157	3958	TT	AA	1940543344
SNP_P1_260218_4023	NW_004518656.1	Scaffold4157	4023	GG	AA	1940543346
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SNP_P1_260228_8810	NW_004518656.1	Scaffold4157	8810	CC	TT	1940543367
SNP_P1_260229_8839	NW_004518656.1	Scaffold4157	8839	TT	GG	1940543369
SNP_P1_260230_8866	NW_004518656.1	Scaffold4157	8866	GG	AA	1940543372
SNP_P1_260231_9455	NW_004518656.1	Scaffold4157	9455	GG	AA	1940543374
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SNP_P1_260236_10487	NW_004518656.1	Scaffold4157	10487	AA	TT	1940543384
SNP_P1_260237_10588	NW_004518656.1	Scaffold4157	10588	AA	TT	1940543386
SNP_P1_260238_10601	NW_004518656.1	Scaffold4157	10601	CC	AA	1940543388
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SNP_P1_260243_11816	NW_004518656.1	Scaffold4157	11816	GG	TT	1940543399
SNP_P1_260244_12335	NW_004518656.1	Scaffold4157	12335	AA	TT	1940543401

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260247_829	NW_004518657.1	Scaffold4158	829	TT	AA	1940543407
SNP_P1_260248_857	NW_004518657.1	Scaffold4158	857	CC	GG	1940543410
SNP_P1_260249_917	NW_004518657.1	Scaffold4158	917	TT	GG	1940543412
SNP_P1_260250_975	NW_004518657.1	Scaffold4158	975	TT	AA	1940543414
SNP_P1_260251_1250	NW_004518665.1	Scaffold4167	1250	AA	GG	1940543416
SNP_P1_260252_1590	NW_004518665.1	Scaffold4167	1590	GG	AA	1940543418
SNP_P1_260253_1690	NW_004518665.1	Scaffold4167	1690	GG	AA	1940543420
SNP_P1_260254_3767	NW_004518665.1	Scaffold4167	3767	GG	AA	1940543422
SNP_P1_260255_4033	NW_004518665.1	Scaffold4167	4033	AA	GG	1940543424
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SNP_P1_260262_4246	NW_004518665.1	Scaffold4167	4246	TT	GG	1940543439
SNP_P1_260263_4277	NW_004518665.1	Scaffold4167	4277	TT	CC	1940543441
SNP_P1_260264_8265	NW_004518665.1	Scaffold4167	8265	TT	CC	1940543443
SNP_P1_260265_11259	NW_004518665.1	Scaffold4167	11259	AA	GG	1940543445
SNP_P1_260266_20723	NW_004518665.1	Scaffold4167	20723	AA	GG	1940543447
SNP_P1_260267_30889	NW_004518665.1	Scaffold4167	30889	AA	TT	1940543450
SNP_P1_260268_30895	NW_004518665.1	Scaffold4167	30895	AA	CC	1940543452
SNP_P1_260269_30951	NW_004518665.1	Scaffold4167	30951	CC	TT	1940543454
SNP_P1_260270_30952	NW_004518665.1	Scaffold4167	30952	AA	GG	1940543456
SNP_P1_260271_33066	NW_004518665.1	Scaffold4167	33066	TT	GG	1940543458
SNP_P1_260272_33399	NW_004518665.1	Scaffold4167	33399	TT	GG	1940543460
SNP_P1_260273_33511	NW_004518665.1	Scaffold4167	33511	TT	CC	1940543462
SNP_P1_260274_33547	NW_004518665.1	Scaffold4167	33547	AA	GG	1940543464
SNP_P1_260275_33557	NW_004518665.1	Scaffold4167	33557	GG	TT	1940543466
SNP_P1_260276_33628	NW_004518665.1	Scaffold4167	33628	CC	TT	1940543468
SNP_P1_260277_33672	NW_004518665.1	Scaffold4167	33672	CC	TT	1940543471
SNP_P1_260280_545	NW_004518669.1	Scaffold4171	545	CC	TT	1940543473
SNP_P1_260281_585	NW_004518669.1	Scaffold4171	585	AA	GG	1940543475
SNP_P1_260282_651	NW_004518669.1	Scaffold4171	651	TT	CC	1940543477
SNP_P1_260284_1015	NW_004518669.1	Scaffold4171	1015	AA	GG	1940543479
SNP_P1_260286_692	NW_004518672.1	Scaffold4176	692	GG	TT	1940543481
SNP_P1_260287_718	NW_004518672.1	Scaffold4176	718	AA	GG	1940543483
SNP_P1_260288_774	NW_004518672.1	Scaffold4176	774	GG	AA	1940543485
SNP_P1_260289_1014	NW_004518672.1	Scaffold4176	1014	TT	CC	1940543487
SNP_P1_260290_1051	NW_004518672.1	Scaffold4176	1051	GG	AA	1940543490

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260293_4020	NW_004518672.1	Scaffold4176	4020	TT	CC	1940543496
SNP_P1_260294_4062	NW_004518672.1	Scaffold4176	4062	AA	GG	1940543498
SNP_P1_260295_4148	NW_004518672.1	Scaffold4176	4148	AA	TT	1940543500
SNP_P1_260296_4195	NW_004518672.1	Scaffold4176	4195	AA	TT	1940543502
SNP_P1_260297_4360	NW_004518672.1	Scaffold4176	4360	GG	AA	1940543504
SNP_P1_260298_4382	NW_004518672.1	Scaffold4176	4382	CC	GG	1940543506
SNP_P1_260299_4383	NW_004518672.1	Scaffold4176	4383	GG	AA	1940543508
SNP_P1_260300_4438	NW_004518672.1	Scaffold4176	4438	AA	TT	1940543511
SNP_P1_260301_4448	NW_004518672.1	Scaffold4176	4448	AA	TT	1940543513
SNP_P1_260302_4461	NW_004518672.1	Scaffold4176	4461	AA	TT	1940543515
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SNP_P1_260305_6555	NW_004518672.1	Scaffold4176	6555	AA	GG	1940543521
SNP_P1_260306_6740	NW_004518672.1	Scaffold4176	6740	CC	TT	1940543523
SNP_P1_260307_6780	NW_004518672.1	Scaffold4176	6780	AA	TT	1940543525
SNP_P1_260308_6802	NW_004518672.1	Scaffold4176	6802	CC	TT	1940543527
SNP_P1_260309_7671	NW_004518672.1	Scaffold4176	7671	AA	GG	1940543530
SNP_P1_260310_7775	NW_004518672.1	Scaffold4176	7775	GG	AA	1940543532
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SNP_P1_260313_7903	NW_004518672.1	Scaffold4176	7903	CC	TT	1940543538
SNP_P1_260314_7928	NW_004518672.1	Scaffold4176	7928	CC	AA	1940543540
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SNP_P1_260316_8005	NW_004518672.1	Scaffold4176	8005	AA	GG	1940543544
SNP_P1_260317_8045	NW_004518672.1	Scaffold4176	8045	AA	CC	1940543546
SNP_P1_260318_10828	NW_004518672.1	Scaffold4176	10828	AA	CC	1940543548
SNP_P1_260319_11007	NW_004518672.1	Scaffold4176	11007	AA	GG	1940543551
SNP_P1_260320_11015	NW_004518672.1	Scaffold4176	11015	GG	AA	1940543553
SNP_P1_260321_11017	NW_004518672.1	Scaffold4176	11017	GG	AA	1940543555
SNP_P1_260322_11266	NW_004518672.1	Scaffold4176	11266	CC	AA	1940543557
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SNP_P1_260327_17654	NW_004518672.1	Scaffold4176	17654	TT	AA	1940543567
SNP_P1_260328_19328	NW_004518672.1	Scaffold4176	19328	CC	TT	1940543570
SNP_P1_260329_19598	NW_004518672.1	Scaffold4176	19598	GG	CC	1940543572
SNP_P1_260330_19613	NW_004518672.1	Scaffold4176	19613	TT	AA	1940543574
SNP_P1_260331_68	NW_004518673.1	Scaffold4178	68	TT	CC	1940543576
SNP_P1_260332_716	NW_004518673.1	Scaffold4178	716	CC	AA	1940543578

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260334_997	NW_004518673.1	Scaffold4178	997	AA	GG	1940543582
SNP_P1_260335_1008	NW_004518673.1	Scaffold4178	1008	AA	GG	1940543584
SNP_P1_260336_446	NW_004518676.1	Scaffold4182	446	TT	GG	1940543586
SNP_P1_260337_1125	NW_004518676.1	Scaffold4182	1125	AA	GG	1940543588
SNP_P1_260338_7316	NW_004518676.1	Scaffold4182	7316	TT	GG	1940543591
SNP_P1_260339_7546	NW_004518676.1	Scaffold4182	7546	CC	GG	1940543593
SNP_P1_260340_7631	NW_004518676.1	Scaffold4182	7631	TT	GG	1940543595
SNP_P1_260341_7889	NW_004518676.1	Scaffold4182	7889	TT	CC	1940543597
SNP_P1_260342_7913	NW_004518676.1	Scaffold4182	7913	AA	GG	1940543599
SNP_P1_260343_7939	NW_004518676.1	Scaffold4182	7939	TT	CC	1940543601
SNP_P1_260344_7945	NW_004518676.1	Scaffold4182	7945	AA	GG	1940543603
SNP_P1_260345_8395	NW_004518676.1	Scaffold4182	8395	TT	AA	1940543605
SNP_P1_260346_9058	NW_004518676.1	Scaffold4182	9058	AA	GG	1940543607
SNP_P1_260347_9104	NW_004518676.1	Scaffold4182	9104	GG	TT	1940543610
SNP_P1_260348_9108	NW_004518676.1	Scaffold4182	9108	TT	CC	1940543612
SNP_P1_260349_9118	NW_004518676.1	Scaffold4182	9118	AA	GG	1940543614
SNP_P1_260350_9119	NW_004518676.1	Scaffold4182	9119	TT	AA	1940543616
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SNP_P1_260353_22067	NW_004518681.1	Scaffold4189	22067	GG	AA	1940543622
SNP_P1_260354_22091	NW_004518681.1	Scaffold4189	22091	TT	CC	1940543624
SNP_P1_260355_22154	NW_004518681.1	Scaffold4189	22154	TT	CC	1940543626
SNP_P1_260356_22155	NW_004518681.1	Scaffold4189	22155	CC	TT	1940543629
SNP_P1_260357_22173	NW_004518681.1	Scaffold4189	22173	GG	AA	1940543631
SNP_P1_260358_22179	NW_004518681.1	Scaffold4189	22179	GG	TT	1940543633
SNP_P1_260359_22260	NW_004518681.1	Scaffold4189	22260	CC	TT	1940543635
SNP_P1_260360_22466	NW_004518681.1	Scaffold4189	22466	GG	CC	1940543637
SNP_P1_260361_24515	NW_004518681.1	Scaffold4189	24515	TT	CC	1940543639
SNP_P1_260363_2843	NW_004518683.1	Scaffold4192	2843	CC	AA	1940543641
SNP_P1_260364_2899	NW_004518683.1	Scaffold4192	2899	CC	AA	1940543643
SNP_P1_260365_2973	NW_004518683.1	Scaffold4192	2973	GG	AA	1940543645
SNP_P1_260366_3074	NW_004518683.1	Scaffold4192	3074	GG	TT	1940543647
SNP_P1_260367_3116	NW_004518683.1	Scaffold4192	3116	CC	TT	1940543650
SNP_P1_260368_3189	NW_004518683.1	Scaffold4192	3189	AA	GG	1940543652
SNP_P1_260369_3221	NW_004518683.1	Scaffold4192	3221	AA	GG	1940543654
SNP_P1_260371_3366	NW_004518683.1	Scaffold4192	3366	GG	TT	1940543656
SNP_P1_260372_3380	NW_004518683.1	Scaffold4192	3380	GG	AA	1940543658
SNP_P1_260373_3452	NW_004518683.1	Scaffold4192	3452	AA	GG	1940543660
SNP_P1_260374_3526	NW_004518683.1	Scaffold4192	3526	AA	CC	1940543662
SNP_P1_260375_3607	NW_004518683.1	Scaffold4192	3607	TT	GG	1940543664
SNP_P1_260376_3608	NW_004518683.1	Scaffold4192	3608	GG	AA	1940543666

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260378_3649	NW_004518683.1	Scaffold4192	3649	GG	AA	1940543671
SNP_P1_260380_3821	NW_004518683.1	Scaffold4192	3821	AA	CC	1940543673
SNP_P1_260381_4001	NW_004518683.1	Scaffold4192	4001	AA	CC	1940543675
SNP_P1_260382_4019	NW_004518683.1	Scaffold4192	4019	GG	TT	1940543677
SNP_P1_260383_4029	NW_004518683.1	Scaffold4192	4029	GG	TT	1940543679
SNP_P1_260384_4054	NW_004518683.1	Scaffold4192	4054	AA	TT	1940543681
SNP_P1_260385_4075	NW_004518683.1	Scaffold4192	4075	TT	AA	1940543683
SNP_P1_260386_4098	NW_004518683.1	Scaffold4192	4098	CC	AA	1940543685
SNP_P1_260387_4283	NW_004518683.1	Scaffold4192	4283	TT	GG	1940543687
SNP_P1_260388_4340	NW_004518683.1	Scaffold4192	4340	GG	AA	1940543690
SNP_P1_260389_4360	NW_004518683.1	Scaffold4192	4360	AA	GG	1940543692
SNP_P1_260390_4365	NW_004518683.1	Scaffold4192	4365	CC	TT	1940543694
SNP_P1_260391_4406	NW_004518683.1	Scaffold4192	4406	CC	TT	1940543696
SNP_P1_260392_4440	NW_004518683.1	Scaffold4192	4440	TT	AA	1940543698
SNP_P1_260393_4500	NW_004518683.1	Scaffold4192	4500	AA	GG	1940543700
SNP_P1_260394_4550	NW_004518683.1	Scaffold4192	4550	GG	AA	1940543702
SNP_P1_260395_4836	NW_004518683.1	Scaffold4192	4836	AA	TT	1940543704
SNP_P1_260396_4848	NW_004518683.1	Scaffold4192	4848	CC	TT	1940543706
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SNP_P1_260400_2385	NW_004518684.1	Scaffold4194	2385	AA	GG	1940543715
SNP_P1_260402_1732	NW_004518687.1	Scaffold4197	1732	AA	CC	1940543717
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SNP_P1_260404_9087	NW_004518687.1	Scaffold4197	9087	TT	CC	1940543721
SNP_P1_260405_13518	NW_004518687.1	Scaffold4197	13518	AA	GG	1940543723
SNP_P1_260407_13844	NW_004518687.1	Scaffold4197	13844	CC	GG	1940543725
SNP_P1_260408_14841	NW_004518687.1	Scaffold4197	14841	TT	GG	1940543727
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SNP_P1_260415_22406	NW_004518687.1	Scaffold4197	22406	AA	CC	1940543740
SNP_P1_260416_22430	NW_004518687.1	Scaffold4197	22430	TT	CC	1940543742
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SNP_P1_260418_24495	NW_004518687.1	Scaffold4197	24495	CC	TT	1940543746
SNP_P1_260420_31496	NW_004518687.1	Scaffold4197	31496	TT	AA	1940543749
SNP_P1_260421_31848	NW_004518687.1	Scaffold4197	31848	CC	TT	1940543751
SNP_P1_260422_35479	NW_004518687.1	Scaffold4197	35479	CC	GG	1940543753
SNP_P1_260423_36421	NW_004518687.1	Scaffold4197	36421	GG	TT	1940543755

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260430_38444	NW_004518687.1	Scaffold4197	38444	GG	TT	1940543767
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SNP_P1_260437_79231	NW_004518687.1	Scaffold4197	79231	AA	GG	1940543776
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SNP_P1_260439_80741	NW_004518687.1	Scaffold4197	80741	AA	GG	1940543780
SNP_P1_260440_81051	NW_004518687.1	Scaffold4197	81051	TT	GG	1940543782
SNP_P1_260441_82131	NW_004518687.1	Scaffold4197	82131	AA	TT	1940543784
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SNP_P1_260443_182	NW_004518695.1	Scaffold4210	182	AA	TT	1940543789
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SNP_P1_260466_727	NW_004518697.1	Scaffold4212	727	TT	CC	1940543835
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SNP_P1_260468_2437	NW_004518698.1	Scaffold4213	2437	CC	TT	1940543839
SNP_P1_260469_2473	NW_004518698.1	Scaffold4213	2473	CC	GG	1940543841
SNP_P1_260471_2774	NW_004518698.1	Scaffold4213	2774	CC	TT	1940543843

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_260472_2776	NW_004518698.1	Scaffold4213	2776	AA	GG	1940543845
SNP_P1_260473_2836	NW_004518698.1	Scaffold4213	2836	CC	AA	1940543847
SNP_P1_260475_147	NW_004518699.1	Scaffold4214	147	GG	TT	1940543850
SNP_P1_260476_5495	NW_004518701.1	Scaffold4219	5495	GG	AA	1940543852
SNP_P1_260477_5507	NW_004518701.1	Scaffold4219	5507	CC	TT	1940543854
SNP_P1_260478_5508	NW_004518701.1	Scaffold4219	5508	TT	CC	1940543856
SNP_P1_260479_5515	NW_004518701.1	Scaffold4219	5515	AA	GG	1940543858
SNP_P1_260480_5531	NW_004518701.1	Scaffold4219	5531	CC	TT	1940543860
SNP_P1_260481_70	NW_004518702.1	Scaffold4220	70	TT	CC	1940543862
SNP_P1_260482_1125	NW_004518702.1	Scaffold4220	1125	GG	TT	1940543864
SNP_P1_260483_57	NW_004518703.1	Scaffold4221	57	AA	CC	1940543866
SNP_P1_260484_64	NW_004518703.1	Scaffold4221	64	CC	TT	1940543869
SNP_P1_260485_74	NW_004518703.1	Scaffold4221	74	AA	CC	1940543871
SNP_P1_260486_76	NW_004518703.1	Scaffold4221	76	TT	CC	1940543873
SNP_P1_260487_105	NW_004518703.1	Scaffold4221	105	GG	AA	1940543875
SNP_P1_260488_111	NW_004518703.1	Scaffold4221	111	AA	GG	1940543877
SNP_P1_260489_116	NW_004518703.1	Scaffold4221	116	CC	TT	1940543879
SNP_P1_260490_173	NW_004518703.1	Scaffold4221	173	CC	TT	1940543881
SNP_P1_260491_211	NW_004518703.1	Scaffold4221	211	GG	AA	1940543883
SNP_P1_260492_282	NW_004518703.1	Scaffold4221	282	TT	CC	1940543885
SNP_P1_260493_304	NW_004518703.1	Scaffold4221	304	TT	GG	1940543887
SNP_P1_260494_323	NW_004518703.1	Scaffold4221	323	GG	TT	1940543890
SNP_P1_260495_345	NW_004518703.1	Scaffold4221	345	TT	AA	1940543892
SNP_P1_260496_369	NW_004518703.1	Scaffold4221	369	GG	AA	1940543894
SNP_P1_260497_371	NW_004518703.1	Scaffold4221	371	GG	TT	1940543896
SNP_P1_260498_378	NW_004518703.1	Scaffold4221	378	AA	TT	1940543898
SNP_P1_260499_462	NW_004518703.1	Scaffold4221	462	CC	AA	1940543900
SNP_P1_260501_530	NW_004518703.1	Scaffold4221	530	GG	TT	1940543902
SNP_P1_260502_540	NW_004518703.1	Scaffold4221	540	CC	GG	1940543904
SNP_P1_260504_622	NW_004518703.1	Scaffold4221	622	CC	TT	1940543906
SNP_P1_260505_644	NW_004518703.1	Scaffold4221	644	AA	GG	1940543908
SNP_P1_260506_669	NW_004518703.1	Scaffold4221	669	TT	GG	1940543911
SNP_P1_260508_712	NW_004518703.1	Scaffold4221	712	TT	GG	1940543913
SNP_P1_260509_721	NW_004518703.1	Scaffold4221	721	AA	CC	1940543915
SNP_P1_260510_722	NW_004518703.1	Scaffold4221	722	TT	CC	1940543917
SNP_P1_260511_723	NW_004518703.1	Scaffold4221	723	CC	TT	1940543919
SNP_P1_260512_724	NW_004518703.1	Scaffold4221	724	CC	TT	1940543921
SNP_P1_260513_748	NW_004518703.1	Scaffold4221	748	TT	CC	1940543923
SNP_P1_260514_794	NW_004518703.1	Scaffold4221	794	CC	TT	1940543925
SNP_P1_260515_857	NW_004518703.1	Scaffold4221	857	AA	TT	1940543927
SNP_P1_260516_870	NW_004518703.1	Scaffold4221	870	GG	TT	1940543930
SNP_P1_260517_885	NW_004518703.1	Scaffold4221	885	GG	AA	1940543932

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_260518_994	NW_004518703.1	Scaffold4221	994	TT	CC	1940543934
SNP_P1_260519_995	NW_004518703.1	Scaffold4221	995	TT	CC	1940543936
SNP_P1_260520_1002	NW_004518703.1	Scaffold4221	1002	AA	CC	1940543938
SNP_P1_260521_1026	NW_004518703.1	Scaffold4221	1026	CC	AA	1940543940
SNP_P1_260522_1054	NW_004518703.1	Scaffold4221	1054	AA	GG	1940543942
SNP_P1_260524_1180	NW_004518703.1	Scaffold4221	1180	CC	GG	1940543944
SNP_P1_260525_2024	NW_004518703.1	Scaffold4221	2024	AA	GG	1940543946
SNP_P1_260526_2053	NW_004518703.1	Scaffold4221	2053	AA	GG	1940543948
SNP_P1_260527_2117	NW_004518703.1	Scaffold4221	2117	GG	AA	1940543951
SNP_P1_260528_2123	NW_004518703.1	Scaffold4221	2123	CC	AA	1940543953
SNP_P1_260530_7774	NW_004518703.1	Scaffold4221	7774	AA	GG	1940543955
SNP_P1_260531_7845	NW_004518703.1	Scaffold4221	7845	AA	GG	1940543957
SNP_P1_260532_8629	NW_004518703.1	Scaffold4221	8629	TT	CC	1940543959
SNP_P1_260533_8768	NW_004518703.1	Scaffold4221	8768	GG	AA	1940543961
SNP_P1_260534_9431	NW_004518703.1	Scaffold4221	9431	CC	GG	1940543963
SNP_P1_260535_12545	NW_004518703.1	Scaffold4221	12545	TT	CC	1940543965
SNP_P1_260537_14246	NW_004518703.1	Scaffold4221	14246	GG	AA	1940543967
SNP_P1_260538_27458	NW_004518703.1	Scaffold4221	27458	CC	TT	1940543970
SNP_P1_260539_40684	NW_004518703.1	Scaffold4221	40684	AA	CC	1940543972
SNP_P1_260540_40926	NW_004518703.1	Scaffold4221	40926	GG	AA	1940543974
SNP_P1_260541_40948	NW_004518703.1	Scaffold4221	40948	AA	GG	1940543976
SNP_P1_260542_40961	NW_004518703.1	Scaffold4221	40961	GG	CC	1940543978
SNP_P1_260543_40966	NW_004518703.1	Scaffold4221	40966	CC	TT	1940543980
SNP_P1_260544_40996	NW_004518703.1	Scaffold4221	40996	AA	GG	1940543982
SNP_P1_260545_41019	NW_004518703.1	Scaffold4221	41019	AA	GG	1940543984
SNP_P1_260546_41198	NW_004518703.1	Scaffold4221	41198	GG	TT	1940543986
SNP_P1_260547_41214	NW_004518703.1	Scaffold4221	41214	CC	GG	1940543988
SNP_P1_260548_41459	NW_004518703.1	Scaffold4221	41459	TT	CC	1940543991
SNP_P1_260549_41501	NW_004518703.1	Scaffold4221	41501	CC	AA	1940543993
SNP_P1_260550_41502	NW_004518703.1	Scaffold4221	41502	AA	CC	1940543995
SNP_P1_260551_41513	NW_004518703.1	Scaffold4221	41513	TT	AA	1940543997
SNP_P1_260552_41521	NW_004518703.1	Scaffold4221	41521	AA	CC	1940543999
SNP_P1_260553_41722	NW_004518703.1	Scaffold4221	41722	TT	CC	1940544001
SNP_P1_260554_42078	NW_004518703.1	Scaffold4221	42078	GG	CC	1940544003
SNP_P1_260555_42094	NW_004518703.1	Scaffold4221	42094	TT	CC	1940544005
SNP_P1_260556_42103	NW_004518703.1	Scaffold4221	42103	CC	GG	1940544007
SNP_P1_260557_42110	NW_004518703.1	Scaffold4221	42110	AA	GG	1940544010
SNP_P1_260558_42472	NW_004518703.1	Scaffold4221	42472	AA	TT	1940544012
SNP_P1_260559_42489	NW_004518703.1	Scaffold4221	42489	TT	GG	1940544014
SNP_P1_260560_42540	NW_004518703.1	Scaffold4221	42540	CC	AA	1940544016
SNP_P1_260561_47093	NW_004518703.1	Scaffold4221	47093	TT	AA	1940544018
SNP_P1_260562_47968	NW_004518703.1	Scaffold4221	47968	AA	GG	1940544020

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_260563_48016	NW_004518703.1	Scaffold4221	48016	TT	AA	1940544022
SNP_P1_260564_48020	NW_004518703.1	Scaffold4221	48020	TT	CC	1940544024
SNP_P1_260565_48094	NW_004518703.1	Scaffold4221	48094	CC	TT	1940544026
SNP_P1_260566_48114	NW_004518703.1	Scaffold4221	48114	CC	TT	1940544028
SNP_P1_260567_48187	NW_004518703.1	Scaffold4221	48187	TT	GG	1940544031
SNP_P1_260568_48196	NW_004518703.1	Scaffold4221	48196	CC	TT	1940544033
SNP_P1_260569_48199	NW_004518703.1	Scaffold4221	48199	TT	CC	1940544035
SNP_P1_260570_48212	NW_004518703.1	Scaffold4221	48212	AA	GG	1940544037
SNP_P1_260571_48233	NW_004518703.1	Scaffold4221	48233	AA	CC	1940544039
SNP_P1_260572_48291	NW_004518703.1	Scaffold4221	48291	CC	TT	1940544041
SNP_P1_260573_48354	NW_004518703.1	Scaffold4221	48354	TT	GG	1940544043
SNP_P1_260574_48413	NW_004518703.1	Scaffold4221	48413	TT	CC	1940544045
SNP_P1_260575_48439	NW_004518703.1	Scaffold4221	48439	GG	AA	1940544047
SNP_P1_260576_48470	NW_004518703.1	Scaffold4221	48470	AA	GG	1940544050
SNP_P1_260577_48473	NW_004518703.1	Scaffold4221	48473	TT	CC	1940544052
SNP_P1_260578_48560	NW_004518703.1	Scaffold4221	48560	AA	GG	1940544054
SNP_P1_260580_52884	NW_004518703.1	Scaffold4221	52884	AA	TT	1940544056
SNP_P1_260581_52885	NW_004518703.1	Scaffold4221	52885	TT	CC	1940544058
SNP_P1_260582_53317	NW_004518703.1	Scaffold4221	53317	CC	AA	1940544060
SNP_P1_260583_53374	NW_004518703.1	Scaffold4221	53374	TT	CC	1940544062
SNP_P1_260584_53474	NW_004518703.1	Scaffold4221	53474	AA	GG	1940544064
SNP_P1_260585_53479	NW_004518703.1	Scaffold4221	53479	AA	GG	1940544066
SNP_P1_260586_53780	NW_004518703.1	Scaffold4221	53780	CC	GG	1940544069
SNP_P1_260587_53861	NW_004518703.1	Scaffold4221	53861	GG	TT	1940544071
SNP_P1_260588_53868	NW_004518703.1	Scaffold4221	53868	AA	TT	1940544073
SNP_P1_260589_54164	NW_004518703.1	Scaffold4221	54164	CC	TT	1940544075
SNP_P1_260590_54202	NW_004518703.1	Scaffold4221	54202	AA	CC	1940544077
SNP_P1_260591_54256	NW_004518703.1	Scaffold4221	54256	TT	GG	1940544079
SNP_P1_260592_54387	NW_004518703.1	Scaffold4221	54387	TT	CC	1940544081
SNP_P1_260594_54499	NW_004518703.1	Scaffold4221	54499	AA	GG	1940544083
SNP_P1_260596_54867	NW_004518703.1	Scaffold4221	54867	TT	CC	1940544085
SNP_P1_260597_54899	NW_004518703.1	Scaffold4221	54899	CC	AA	1940544088
SNP_P1_260598_54900	NW_004518703.1	Scaffold4221	54900	AA	TT	1940544090
SNP_P1_260599_55231	NW_004518703.1	Scaffold4221	55231	GG	TT	1940544092
SNP_P1_260600_55262	NW_004518703.1	Scaffold4221	55262	AA	TT	1940544094
SNP_P1_260601_55361	NW_004518703.1	Scaffold4221	55361	TT	GG	1940544096
SNP_P1_260602_66778	NW_004518703.1	Scaffold4221	66778	AA	CC	1940544098
SNP_P1_260603_66789	NW_004518703.1	Scaffold4221	66789	CC	TT	1940544100
SNP_P1_260604_5601	NW_004518706.1	Scaffold4225	5601	AA	GG	1940544102
SNP_P1_260605_5896	NW_004518706.1	Scaffold4225	5896	AA	TT	1940544104
SNP_P1_260606_6894	NW_004518706.1	Scaffold4225	6894	CC	GG	1940544107
SNP_P1_260607_7278	NW_004518706.1	Scaffold4225	7278	GG	CC	1940544109

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260609_14293	NW_004518706.1	Scaffold4225	14293	AA	CC	1940544113
SNP_P1_260610_14346	NW_004518706.1	Scaffold4225	14346	AA	TT	1940544115
SNP_P1_260611_14740	NW_004518706.1	Scaffold4225	14740	AA	CC	1940544117
SNP_P1_260612_14804	NW_004518706.1	Scaffold4225	14804	TT	AA	1940544119
SNP_P1_260614_5602	NW_004518713.1	Scaffold4236	5602	AA	CC	1940544121
SNP_P1_260615_7983	NW_004518713.1	Scaffold4236	7983	AA	CC	1940544123
SNP_P1_260616_8075	NW_004518713.1	Scaffold4236	8075	CC	AA	1940544125
SNP_P1_260617_8104	NW_004518713.1	Scaffold4236	8104	TT	CC	1940544128
SNP_P1_260618_8127	NW_004518713.1	Scaffold4236	8127	AA	GG	1940544130
SNP_P1_260619_8182	NW_004518713.1	Scaffold4236	8182	GG	AA	1940544132
SNP_P1_260620_8195	NW_004518713.1	Scaffold4236	8195	TT	CC	1940544134
SNP_P1_260621_8235	NW_004518713.1	Scaffold4236	8235	TT	CC	1940544136
SNP_P1_260622_8259	NW_004518713.1	Scaffold4236	8259	AA	TT	1940544138
SNP_P1_260623_8286	NW_004518713.1	Scaffold4236	8286	TT	AA	1940544140
SNP_P1_260624_8392	NW_004518713.1	Scaffold4236	8392	TT	CC	1940544142
SNP_P1_260625_8421	NW_004518713.1	Scaffold4236	8421	GG	CC	1940544144
SNP_P1_260626_8443	NW_004518713.1	Scaffold4236	8443	GG	CC	1940544147
SNP_P1_260627_8485	NW_004518713.1	Scaffold4236	8485	CC	TT	1940544149
SNP_P1_260628_8519	NW_004518713.1	Scaffold4236	8519	TT	CC	1940544151
SNP_P1_260629_8782	NW_004518713.1	Scaffold4236	8782	CC	TT	1940544153
SNP_P1_260630_918	NW_004518714.1	Scaffold4237	918	AA	GG	1940544155
SNP_P1_260631_1613	NW_004518717.1	Scaffold4241	1613	TT	GG	1940544157
SNP_P1_260632_1640	NW_004518717.1	Scaffold4241	1640	GG	CC	1940544159
SNP_P1_260633_1672	NW_004518717.1	Scaffold4241	1672	GG	TT	1940544161
SNP_P1_260634_817	NW_004518718.1	Scaffold4243	817	AA	TT	1940544163
SNP_P1_260635_912	NW_004518718.1	Scaffold4243	912	GG	AA	1940544165
SNP_P1_260636_1028	NW_004518718.1	Scaffold4243	1028	CC	AA	1940544168
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SNP_P1_260641_1550	NW_004518718.1	Scaffold4243	1550	TT	CC	1940544176
SNP_P1_260642_4777	NW_004518718.1	Scaffold4243	4777	CC	TT	1940544178
SNP_P1_260643_5412	NW_004518718.1	Scaffold4243	5412	AA	TT	1940544180
SNP_P1_260644_5560	NW_004518718.1	Scaffold4243	5560	TT	GG	1940544182
SNP_P1_260645_5689	NW_004518718.1	Scaffold4243	5689	AA	GG	1940544184
SNP_P1_260646_5693	NW_004518718.1	Scaffold4243	5693	TT	CC	1940544187
SNP_P1_260647_5696	NW_004518718.1	Scaffold4243	5696	CC	AA	1940544189
SNP_P1_260648_5805	NW_004518718.1	Scaffold4243	5805	TT	AA	1940544191
SNP_P1_260649_6053	NW_004518718.1	Scaffold4243	6053	TT	GG	1940544193
SNP_P1_260650_6088	NW_004518718.1	Scaffold4243	6088	AA	GG	1940544195
SNP_P1_260651_6123	NW_004518718.1	Scaffold4243	6123	GG	AA	1940544197

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260653_7278	NW_004518718.1	Scaffold4243	7278	GG	TT	1940544201
SNP_P1_260654_7290	NW_004518718.1	Scaffold4243	7290	TT	AA	1940544203
SNP_P1_260655_7303	NW_004518718.1	Scaffold4243	7303	CC	TT	1940544205
SNP_P1_260656_7467	NW_004518718.1	Scaffold4243	7467	CC	TT	1940544208
SNP_P1_260657_7548	NW_004518718.1	Scaffold4243	7548	TT	CC	1940544210
SNP_P1_260658_7552	NW_004518718.1	Scaffold4243	7552	GG	AA	1940544212
SNP_P1_260659_7606	NW_004518718.1	Scaffold4243	7606	GG	AA	1940544214
SNP_P1_260660_14521	NW_004518718.1	Scaffold4243	14521	TT	GG	1940544216
SNP_P1_260661_14533	NW_004518718.1	Scaffold4243	14533	AA	TT	1940544218
SNP_P1_260662_14559	NW_004518718.1	Scaffold4243	14559	TT	CC	1940544220
SNP_P1_260663_14585	NW_004518718.1	Scaffold4243	14585	AA	CC	1940544222
SNP_P1_260664_14633	NW_004518718.1	Scaffold4243	14633	TT	CC	1940544224
SNP_P1_260665_14766	NW_004518718.1	Scaffold4243	14766	GG	CC	1940544227
SNP_P1_260667_14926	NW_004518718.1	Scaffold4243	14926	GG	AA	1940544229
SNP_P1_260668_14937	NW_004518718.1	Scaffold4243	14937	CC	TT	1940544231
SNP_P1_260669_15051	NW_004518718.1	Scaffold4243	15051	GG	TT	1940544233
SNP_P1_260670_15052	NW_004518718.1	Scaffold4243	15052	GG	CC	1940544235
SNP_P1_260671_16090	NW_004518718.1	Scaffold4243	16090	GG	AA	1940544237
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SNP_P1_260673_16682	NW_004518718.1	Scaffold4243	16682	AA	GG	1940544241
SNP_P1_260674_16719	NW_004518718.1	Scaffold4243	16719	TT	GG	1940544243
SNP_P1_260675_16745	NW_004518718.1	Scaffold4243	16745	AA	GG	1940544245
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SNP_P1_260682_17724	NW_004518718.1	Scaffold4243	17724	CC	TT	1940544256
SNP_P1_260683_17743	NW_004518718.1	Scaffold4243	17743	GG	CC	1940544258
SNP_P1_260684_17831	NW_004518718.1	Scaffold4243	17831	TT	CC	1940544260
SNP_P1_260685_17834	NW_004518718.1	Scaffold4243	17834	GG	AA	1940544262
SNP_P1_260686_17840	NW_004518718.1	Scaffold4243	17840	CC	TT	1940544264
SNP_P1_260687_17933	NW_004518718.1	Scaffold4243	17933	AA	GG	1940544267
SNP_P1_260688_18260	NW_004518718.1	Scaffold4243	18260	AA	CC	1940544269
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SNP_P1_260690_23426	NW_004518718.1	Scaffold4243	23426	CC	TT	1940544273
SNP_P1_260691_23439	NW_004518718.1	Scaffold4243	23439	GG	AA	1940544275
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SNP_P1_260693_23465	NW_004518718.1	Scaffold4243	23465	AA	GG	1940544279
SNP_P1_260694_23523	NW_004518718.1	Scaffold4243	23523	TT	CC	1940544281
SNP_P1_260695_23565	NW_004518718.1	Scaffold4243	23565	AA	GG	1940544283
SNP_P1_260696_23671	NW_004518718.1	Scaffold4243	23671	GG	TT	1940544286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_260697_23693	NW_004518718.1	Scaffold4243	23693	AA	CC	1940544288
SNP_P1_260698_23742	NW_004518718.1	Scaffold4243	23742	TT	CC	1940544290
SNP_P1_260699_23752	NW_004518718.1	Scaffold4243	23752	CC	TT	1940544292
SNP_P1_260700_23771	NW_004518718.1	Scaffold4243	23771	GG	TT	1940544294
SNP_P1_260701_26781	NW_004518718.1	Scaffold4243	26781	GG	TT	1940544296
SNP_P1_260702_32908	NW_004518718.1	Scaffold4243	32908	GG	CC	1940544298
SNP_P1_260703_508	NW_004518719.1	Scaffold4244	508	AA	CC	1940544300
SNP_P1_260705_179	NW_004518721.1	Scaffold4247	179	AA	CC	1940544302
SNP_P1_260706_333	NW_004518721.1	Scaffold4247	333	TT	CC	1940544305
SNP_P1_260707_360	NW_004518721.1	Scaffold4247	360	AA	GG	1940544307
SNP_P1_260708_454	NW_004518721.1	Scaffold4247	454	GG	AA	1940544309
SNP_P1_260709_614	NW_004518721.1	Scaffold4247	614	AA	CC	1940544311
SNP_P1_260710_671	NW_004518721.1	Scaffold4247	671	GG	AA	1940544313
SNP_P1_260711_932	NW_004518721.1	Scaffold4247	932	CC	TT	1940544315
SNP_P1_260712_970	NW_004518721.1	Scaffold4247	970	GG	TT	1940544317
SNP_P1_260713_1329	NW_004518721.1	Scaffold4247	1329	CC	GG	1940544319
SNP_P1_260714_1361	NW_004518721.1	Scaffold4247	1361	CC	AA	1940544321
SNP_P1_260715_1379	NW_004518721.1	Scaffold4247	1379	AA	GG	1940544323
SNP_P1_260716_1443	NW_004518721.1	Scaffold4247	1443	TT	AA	1940544326
SNP_P1_260717_843	NW_004518722.1	Scaffold4248	843	TT	CC	1940544328
SNP_P1_260718_852	NW_004518722.1	Scaffold4248	852	TT	CC	1940544330
SNP_P1_260719_1025	NW_004518722.1	Scaffold4248	1025	TT	CC	1940544332
SNP_P1_260720_821	NW_004518723.1	Scaffold4250	821	TT	CC	1940544334
SNP_P1_260721_1389	NW_004518723.1	Scaffold4250	1389	AA	TT	1940544336
SNP_P1_260722_1396	NW_004518723.1	Scaffold4250	1396	AA	CC	1940544338
SNP_P1_260723_1448	NW_004518723.1	Scaffold4250	1448	TT	AA	1940544340
SNP_P1_260724_64	NW_004518724.1	Scaffold4251	64	TT	CC	1940544342
SNP_P1_260725_445	NW_004518724.1	Scaffold4251	445	CC	AA	1940544345
SNP_P1_260726_494	NW_004518724.1	Scaffold4251	494	AA	GG	1940544347
SNP_P1_260727_574	NW_004518724.1	Scaffold4251	574	TT	GG	1940544349
SNP_P1_260728_394	NW_004518726.1	Scaffold4254	394	CC	AA	1940544351
SNP_P1_260729_424	NW_004518726.1	Scaffold4254	424	TT	CC	1940544353
SNP_P1_260730_428	NW_004518726.1	Scaffold4254	428	CC	TT	1940544355
SNP_P1_260731_789	NW_004518727.1	Scaffold4255	789	AA	GG	1940544357
SNP_P1_260732_809	NW_004518727.1	Scaffold4255	809	TT	GG	1940544359
SNP_P1_260733_810	NW_004518727.1	Scaffold4255	810	TT	AA	1940544361
SNP_P1_260734_3633	NW_004518727.1	Scaffold4255	3633	AA	GG	1940544363
SNP_P1_260735_3634	NW_004518727.1	Scaffold4255	3634	CC	TT	1940544366
SNP_P1_260736_3783	NW_004518727.1	Scaffold4255	3783	AA	CC	1940544368
SNP_P1_260737_3794	NW_004518727.1	Scaffold4255	3794	CC	TT	1940544370
SNP_P1_260738_4022	NW_004518727.1	Scaffold4255	4022	TT	GG	1940544372
SNP_P1_260739_4287	NW_004518727.1	Scaffold4255	4287	GG	TT	1940544374

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260741_4793	NW_004518727.1	Scaffold4255	4793	CC	TT	1940544378
SNP_P1_260742_4864	NW_004518727.1	Scaffold4255	4864	GG	AA	1940544380
SNP_P1_260743_4946	NW_004518727.1	Scaffold4255	4946	GG	AA	1940544382
SNP_P1_260744_5137	NW_004518727.1	Scaffold4255	5137	CC	AA	1940544384
SNP_P1_260745_5202	NW_004518727.1	Scaffold4255	5202	CC	AA	1940544387
SNP_P1_260746_5588	NW_004518727.1	Scaffold4255	5588	TT	CC	1940544389
SNP_P1_260748_2374	NW_004518728.1	Scaffold4256	2374	TT	CC	1940544391
SNP_P1_260749_2510	NW_004518728.1	Scaffold4256	2510	AA	GG	1940544393
SNP_P1_260750_3117	NW_004518728.1	Scaffold4256	3117	AA	CC	1940544395
SNP_P1_260751_3165	NW_004518728.1	Scaffold4256	3165	AA	GG	1940544397
SNP_P1_260752_3202	NW_004518728.1	Scaffold4256	3202	TT	GG	1940544399
SNP_P1_260753_3293	NW_004518728.1	Scaffold4256	3293	TT	CC	1940544401
SNP_P1_260754_3342	NW_004518728.1	Scaffold4256	3342	TT	CC	1940544403
SNP_P1_260755_3393	NW_004518728.1	Scaffold4256	3393	AA	CC	1940544406
SNP_P1_260756_3651	NW_004518728.1	Scaffold4256	3651	GG	TT	1940544408
SNP_P1_260757_4522	NW_004518729.1	Scaffold4257	4522	CC	TT	1940544410
SNP_P1_260758_4816	NW_004518729.1	Scaffold4257	4816	AA	GG	1940544412
SNP_P1_260759_719	NW_004518730.1	Scaffold4259	719	TT	CC	1940544414
SNP_P1_260760_769	NW_004518730.1	Scaffold4259	769	TT	AA	1940544416
SNP_P1_260761_916	NW_004518730.1	Scaffold4259	916	CC	TT	1940544418
SNP_P1_260762_969	NW_004518730.1	Scaffold4259	969	TT	CC	1940544420
SNP_P1_260763_288	NW_004518731.1	Scaffold4260	288	TT	CC	1940544422
SNP_P1_260765_530	NW_004518731.1	Scaffold4260	530	GG	AA	1940544424
SNP_P1_260766_7077	NW_004518731.1	Scaffold4260	7077	GG	TT	1940544427
SNP_P1_260767_7100	NW_004518731.1	Scaffold4260	7100	TT	AA	1940544429
SNP_P1_260768_7101	NW_004518731.1	Scaffold4260	7101	AA	TT	1940544431
SNP_P1_260769_7561	NW_004518731.1	Scaffold4260	7561	TT	AA	1940544433
SNP_P1_260770_7562	NW_004518731.1	Scaffold4260	7562	CC	AA	1940544435
SNP_P1_260771_7578	NW_004518731.1	Scaffold4260	7578	AA	GG	1940544437
SNP_P1_260772_7584	NW_004518731.1	Scaffold4260	7584	TT	CC	1940544439
SNP_P1_260773_7634	NW_004518731.1	Scaffold4260	7634	TT	GG	1940544441
SNP_P1_260774_7638	NW_004518731.1	Scaffold4260	7638	GG	TT	1940544443
SNP_P1_260775_10159	NW_004518731.1	Scaffold4260	10159	CC	TT	1940544446
SNP_P1_260776_10230	NW_004518731.1	Scaffold4260	10230	GG	AA	1940544448
SNP_P1_260777_10255	NW_004518731.1	Scaffold4260	10255	TT	AA	1940544450
SNP_P1_260778_10363	NW_004518731.1	Scaffold4260	10363	TT	CC	1940544452
SNP_P1_260779_10379	NW_004518731.1	Scaffold4260	10379	TT	AA	1940544454
SNP_P1_260780_10405	NW_004518731.1	Scaffold4260	10405	CC	AA	1940544456
SNP_P1_260781_10431	NW_004518731.1	Scaffold4260	10431	GG	AA	1940544458
SNP_P1_260782_11799	NW_004518731.1	Scaffold4260	11799	GG	AA	1940544460
SNP_P1_260783_11928	NW_004518731.1	Scaffold4260	11928	CC	GG	1940544462

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260785_12199	NW_004518731.1	Scaffold4260	12199	CC	TT	1940544467
SNP_P1_260786_64	NW_004518733.1	Scaffold4263	64	AA	GG	1940544469
SNP_P1_260787_101	NW_004518733.1	Scaffold4263	101	TT	CC	1940544471
SNP_P1_260788_106	NW_004518733.1	Scaffold4263	106	TT	GG	1940544473
SNP_P1_260789_429	NW_004518733.1	Scaffold4263	429	GG	AA	1940544475
SNP_P1_260790_454	NW_004518733.1	Scaffold4263	454	CC	TT	1940544477
SNP_P1_260791_4261	NW_004518733.1	Scaffold4263	4261	AA	CC	1940544479
SNP_P1_260792_4266	NW_004518733.1	Scaffold4263	4266	GG	CC	1940544481
SNP_P1_260793_4567	NW_004518733.1	Scaffold4263	4567	AA	CC	1940544483
SNP_P1_260794_4596	NW_004518733.1	Scaffold4263	4596	CC	TT	1940544486
SNP_P1_260795_4598	NW_004518733.1	Scaffold4263	4598	AA	GG	1940544488
SNP_P1_260796_4649	NW_004518733.1	Scaffold4263	4649	AA	GG	1940544490
SNP_P1_260797_4774	NW_004518733.1	Scaffold4263	4774	GG	AA	1940544492
SNP_P1_260798_4901	NW_004518733.1	Scaffold4263	4901	AA	CC	1940544494
SNP_P1_260799_4902	NW_004518733.1	Scaffold4263	4902	CC	AA	1940544496
SNP_P1_260800_6772	NW_004518733.1	Scaffold4263	6772	AA	GG	1940544498
SNP_P1_260801_27058	NW_004518733.1	Scaffold4263	27058	CC	TT	1940544500
SNP_P1_260802_29429	NW_004518733.1	Scaffold4263	29429	CC	GG	1940544502
SNP_P1_260803_368	NW_004518734.1	Scaffold4265	368	TT	GG	1940544504
SNP_P1_260804_7110	NW_004518734.1	Scaffold4265	7110	GG	AA	1940544507
SNP_P1_260805_7120	NW_004518734.1	Scaffold4265	7120	TT	GG	1940544509
SNP_P1_260806_7122	NW_004518734.1	Scaffold4265	7122	CC	AA	1940544511
SNP_P1_260807_7124	NW_004518734.1	Scaffold4265	7124	CC	TT	1940544513
SNP_P1_260808_7170	NW_004518734.1	Scaffold4265	7170	CC	TT	1940544515
SNP_P1_260809_7574	NW_004518734.1	Scaffold4265	7574	GG	AA	1940544517
SNP_P1_260810_7599	NW_004518734.1	Scaffold4265	7599	AA	GG	1940544519
SNP_P1_260811_11711	NW_004518736.1	Scaffold4269	11711	GG	CC	1940544521
SNP_P1_260812_11732	NW_004518736.1	Scaffold4269	11732	CC	TT	1940544523
SNP_P1_260813_11750	NW_004518736.1	Scaffold4269	11750	TT	CC	1940544526
SNP_P1_260814_11757	NW_004518736.1	Scaffold4269	11757	TT	AA	1940544528
SNP_P1_260815_11831	NW_004518736.1	Scaffold4269	11831	AA	TT	1940544530
SNP_P1_260816_11839	NW_004518736.1	Scaffold4269	11839	TT	CC	1940544532
SNP_P1_260817_13548	NW_004518736.1	Scaffold4269	13548	GG	TT	1940544534
SNP_P1_260818_22098	NW_004518736.1	Scaffold4269	22098	GG	AA	1940544536
SNP_P1_260819_22485	NW_004518736.1	Scaffold4269	22485	AA	CC	1940544538
SNP_P1_260820_22488	NW_004518736.1	Scaffold4269	22488	GG	AA	1940544540
SNP_P1_260821_22600	NW_004518736.1	Scaffold4269	22600	CC	AA	1940544542
SNP_P1_260822_22662	NW_004518736.1	Scaffold4269	22662	AA	CC	1940544544
SNP_P1_260824_25011	NW_004518736.1	Scaffold4269	25011	GG	AA	1940544547
SNP_P1_260825_27618	NW_004518736.1	Scaffold4269	27618	GG	TT	1940544549
SNP_P1_260826_28069	NW_004518736.1	Scaffold4269	28069	AA	GG	1940544551

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_260827_6000	NW_004518741.1	Scaffold4277	6000	TT	CC	1940544553
SNP_P1_260828_15297	NW_004518741.1	Scaffold4277	15297	CC	GG	1940544555
SNP_P1_260829_18401	NW_004518741.1	Scaffold4277	18401	CC	TT	1940544557
SNP_P1_260830_18445	NW_004518741.1	Scaffold4277	18445	TT	CC	1940544559
SNP_P1_260831_18486	NW_004518741.1	Scaffold4277	18486	AA	GG	1940544561
SNP_P1_260832_18534	NW_004518741.1	Scaffold4277	18534	AA	CC	1940544563
SNP_P1_260833_18639	NW_004518741.1	Scaffold4277	18639	TT	CC	1940544566
SNP_P1_260834_18644	NW_004518741.1	Scaffold4277	18644	TT	CC	1940544568
SNP_P1_260835_18656	NW_004518741.1	Scaffold4277	18656	GG	AA	1940544570
SNP_P1_260836_18674	NW_004518741.1	Scaffold4277	18674	GG	TT	1940544572
SNP_P1_260837_18678	NW_004518741.1	Scaffold4277	18678	TT	GG	1940544574
SNP_P1_260838_2044	NW_004518742.1	Scaffold4279	2044	AA	GG	1940544576
SNP_P1_260839_2362	NW_004518742.1	Scaffold4279	2362	AA	GG	1940544578
SNP_P1_260840_2367	NW_004518742.1	Scaffold4279	2367	AA	TT	1940544580
SNP_P1_260841_2436	NW_004518742.1	Scaffold4279	2436	GG	CC	1940544582
SNP_P1_260842_2468	NW_004518742.1	Scaffold4279	2468	TT	CC	1940544585
SNP_P1_260843_473	NW_004518745.1	Scaffold4285	473	TT	AA	1940544587
SNP_P1_260844_478	NW_004518745.1	Scaffold4285	478	TT	GG	1940544589
SNP_P1_260845_1947	NW_004518747.1	Scaffold4287	1947	AA	TT	1940544591
SNP_P1_260846_5136	NW_004518747.1	Scaffold4287	5136	CC	AA	1940544593
SNP_P1_260847_8278	NW_004518747.1	Scaffold4287	8278	CC	AA	1940544595
SNP_P1_260848_4719	NW_004518751.1	Scaffold4291	4719	CC	GG	1940544597
SNP_P1_260849_4726	NW_004518751.1	Scaffold4291	4726	GG	AA	1940544599
SNP_P1_260850_5582	NW_004518751.1	Scaffold4291	5582	TT	GG	1940544601
SNP_P1_260851_5685	NW_004518751.1	Scaffold4291	5685	GG	AA	1940544603
SNP_P1_260852_2650	NW_004518753.1	Scaffold4293	2650	AA	TT	1940544606
SNP_P1_260853_517	NW_004518754.1	Scaffold4294	517	AA	CC	1940544608
SNP_P1_260854_1815	NW_004518754.1	Scaffold4294	1815	CC	TT	1940544610
SNP_P1_260855_1898	NW_004518754.1	Scaffold4294	1898	CC	TT	1940544612
SNP_P1_260856_1933	NW_004518754.1	Scaffold4294	1933	GG	AA	1940544614
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SNP_P1_260859_9109	NW_004518754.1	Scaffold4294	9109	AA	CC	1940544618
SNP_P1_260860_9290	NW_004518754.1	Scaffold4294	9290	GG	CC	1940544620
SNP_P1_260862_493	NW_004518755.1	Scaffold4295	493	CC	TT	1940544622
SNP_P1_260863_503	NW_004518755.1	Scaffold4295	503	AA	CC	1940544624
SNP_P1_260864_535	NW_004518755.1	Scaffold4295	535	CC	TT	1940544627
SNP_P1_260865_536	NW_004518755.1	Scaffold4295	536	CC	TT	1940544629
SNP_P1_260866_572	NW_004518755.1	Scaffold4295	572	AA	TT	1940544631
SNP_P1_260867_616	NW_004518755.1	Scaffold4295	616	CC	TT	1940544633
SNP_P1_260869_1906	NW_004518756.1	Scaffold4296	1906	TT	GG	1940544635
SNP_P1_260870_1909	NW_004518756.1	Scaffold4296	1909	CC	TT	1940544637
SNP_P1_260871_1987	NW_004518756.1	Scaffold4296	1987	AA	CC	1940544639

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260873_2066	NW_004518756.1	Scaffold4296	2066	AA	CC	1940544643
SNP_P1_260874_2072	NW_004518756.1	Scaffold4296	2072	AA	GG	1940544646
SNP_P1_260875_2081	NW_004518756.1	Scaffold4296	2081	TT	CC	1940544648
SNP_P1_260876_2094	NW_004518756.1	Scaffold4296	2094	GG	AA	1940544650
SNP_P1_260877_2096	NW_004518756.1	Scaffold4296	2096	AA	GG	1940544652
SNP_P1_260878_2149	NW_004518756.1	Scaffold4296	2149	TT	AA	1940544654
SNP_P1_260879_2180	NW_004518756.1	Scaffold4296	2180	AA	GG	1940544656
SNP_P1_260880_2238	NW_004518756.1	Scaffold4296	2238	AA	GG	1940544658
SNP_P1_260881_2328	NW_004518756.1	Scaffold4296	2328	AA	CC	1940544660
SNP_P1_260882_2403	NW_004518756.1	Scaffold4296	2403	AA	TT	1940544662
SNP_P1_260883_2430	NW_004518756.1	Scaffold4296	2430	TT	CC	1940544664
SNP_P1_260884_2437	NW_004518756.1	Scaffold4296	2437	TT	AA	1940544667
SNP_P1_260886_261	NW_004518758.1	Scaffold4300	261	TT	CC	1940544669
SNP_P1_260887_476	NW_004518758.1	Scaffold4300	476	TT	GG	1940544671
SNP_P1_260888_524	NW_004518758.1	Scaffold4300	524	AA	GG	1940544673
SNP_P1_260889_1106	NW_004518758.1	Scaffold4300	1106	AA	GG	1940544675
SNP_P1_260890_1117	NW_004518758.1	Scaffold4300	1117	TT	GG	1940544677
SNP_P1_260891_1870	NW_004518758.1	Scaffold4300	1870	CC	TT	1940544679
SNP_P1_260892_1886	NW_004518758.1	Scaffold4300	1886	GG	AA	1940544681
SNP_P1_260893_2766	NW_004518760.1	Scaffold4304	2766	AA	CC	1940544683
SNP_P1_260894_1090	NW_004518761.1	Scaffold4306	1090	GG	AA	1940544685
SNP_P1_260896_340	NW_004518765.1	Scaffold4316	340	TT	AA	1940544688
SNP_P1_260898_5708	NW_004518765.1	Scaffold4316	5708	AA	TT	1940544690
SNP_P1_260899_943	NW_004518767.1	Scaffold4319	943	GG	AA	1940544692
SNP_P1_260900_970	NW_004518767.1	Scaffold4319	970	CC	TT	1940544694
SNP_P1_260902_1074	NW_004518767.1	Scaffold4319	1074	AA	GG	1940544696
SNP_P1_260903_1105	NW_004518767.1	Scaffold4319	1105	AA	CC	1940544698
SNP_P1_260907_1492	NW_004518767.1	Scaffold4319	1492	CC	TT	1940544700
SNP_P1_260908_1493	NW_004518767.1	Scaffold4319	1493	CC	GG	1940544702
SNP_P1_260910_956	NW_004518771.1	Scaffold4324	956	CC	AA	1940544704
SNP_P1_260912_553	NW_004518777.1	Scaffold4330	553	AA	CC	1940544706
SNP_P1_260913_859	NW_004518777.1	Scaffold4330	859	CC	GG	1940544709
SNP_P1_260914_865	NW_004518777.1	Scaffold4330	865	AA	GG	1940544711
SNP_P1_260915_884	NW_004518777.1	Scaffold4330	884	TT	CC	1940544713
SNP_P1_260916_906	NW_004518777.1	Scaffold4330	906	TT	AA	1940544715
SNP_P1_260917_957	NW_004518777.1	Scaffold4330	957	TT	CC	1940544717
SNP_P1_260918_1514	NW_004518778.1	Scaffold4331	1514	AA	GG	1940544719
SNP_P1_260919_1637	NW_004518778.1	Scaffold4331	1637	GG	TT	1940544721
SNP_P1_260920_1651	NW_004518778.1	Scaffold4331	1651	GG	TT	1940544723
SNP_P1_260921_1679	NW_004518778.1	Scaffold4331	1679	AA	TT	1940544725
SNP_P1_260922_1687	NW_004518778.1	Scaffold4331	1687	AA	GG	1940544728

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_260924_2535	NW_004518778.1	Scaffold4331	2535	TT	AA	1940544730
SNP_P1_260925_4917	NW_004518778.1	Scaffold4331	4917	GG	AA	1940544732
SNP_P1_260927_24585	NW_004518778.1	Scaffold4331	24585	AA	CC	1940544734
SNP_P1_260928_24602	NW_004518778.1	Scaffold4331	24602	AA	CC	1940544736
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SNP_P1_260930_37097	NW_004518778.1	Scaffold4331	37097	GG	AA	1940544740
SNP_P1_260931_43	NW_004518779.1	Scaffold4333	43	AA	TT	1940544742
SNP_P1_260932_69	NW_004518779.1	Scaffold4333	69	GG	TT	1940544744
SNP_P1_260933_75	NW_004518779.1	Scaffold4333	75	AA	TT	1940544746
SNP_P1_260934_80	NW_004518779.1	Scaffold4333	80	GG	AA	1940544749
SNP_P1_260935_100	NW_004518779.1	Scaffold4333	100	AA	TT	1940544751
SNP_P1_260936_1109	NW_004518781.1	Scaffold4335	1109	CC	TT	1940544753
SNP_P1_260937_2468	NW_004518781.1	Scaffold4335	2468	GG	CC	1940544755
SNP_P1_260938_2499	NW_004518781.1	Scaffold4335	2499	GG	AA	1940544757
SNP_P1_260939_2519	NW_004518781.1	Scaffold4335	2519	TT	CC	1940544759
SNP_P1_260940_2524	NW_004518781.1	Scaffold4335	2524	GG	TT	1940544761
SNP_P1_260941_2533	NW_004518781.1	Scaffold4335	2533	AA	TT	1940544763
SNP_P1_260942_2698	NW_004518781.1	Scaffold4335	2698	AA	GG	1940544765
SNP_P1_260943_2770	NW_004518781.1	Scaffold4335	2770	TT	GG	1940544767
SNP_P1_260944_2976	NW_004518781.1	Scaffold4335	2976	CC	AA	1940544770
SNP_P1_260945_124	NW_004518782.1	Scaffold4336	124	TT	GG	1940544772
SNP_P1_260946_2747	NW_004518782.1	Scaffold4336	2747	GG	AA	1940544774
SNP_P1_260947_2994	NW_004518782.1	Scaffold4336	2994	GG	AA	1940544776
SNP_P1_260948_3074	NW_004518782.1	Scaffold4336	3074	CC	TT	1940544778
SNP_P1_260950_3250	NW_004518782.1	Scaffold4336	3250	AA	GG	1940544780
SNP_P1_260951_3311	NW_004518782.1	Scaffold4336	3311	CC	TT	1940544782
SNP_P1_260952_3321	NW_004518782.1	Scaffold4336	3321	CC	TT	1940544784
SNP_P1_260953_3330	NW_004518782.1	Scaffold4336	3330	CC	TT	1940544786
SNP_P1_260954_3405	NW_004518782.1	Scaffold4336	3405	AA	GG	1940544788
SNP_P1_260955_3507	NW_004518782.1	Scaffold4336	3507	AA	TT	1940544791
SNP_P1_260956_4407	NW_004518782.1	Scaffold4336	4407	GG	AA	1940544793
SNP_P1_260957_1205	NW_004518786.1	Scaffold4347	1205	TT	AA	1940544795
SNP_P1_260958_484	NW_004518787.1	Scaffold4348	484	AA	TT	1940544797
SNP_P1_260959_821	NW_004518787.1	Scaffold4348	821	TT	AA	1940544799
SNP_P1_260960_822	NW_004518787.1	Scaffold4348	822	TT	CC	1940544801
SNP_P1_260961_938	NW_004518787.1	Scaffold4348	938	AA	CC	1940544803
SNP_P1_260962_940	NW_004518787.1	Scaffold4348	940	AA	GG	1940544805
SNP_P1_260963_1169	NW_004518787.1	Scaffold4348	1169	TT	CC	1940544807
SNP_P1_260964_2167	NW_004518787.1	Scaffold4348	2167	AA	TT	1940544810
SNP_P1_260965_2175	NW_004518787.1	Scaffold4348	2175	TT	CC	1940544812
SNP_P1_260966_1493	NW_004518788.1	Scaffold4349	1493	TT	AA	1940544814
SNP_P1_260967_1733	NW_004518788.1	Scaffold4349	1733	AA	TT	1940544816

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_260970_1855	NW_004518788.1	Scaffold4349	1855	GG	TT	1940544820
SNP_P1_260971_1945	NW_004518788.1	Scaffold4349	1945	AA	CC	1940544822
SNP_P1_260972_1027	NW_004518790.1	Scaffold4353	1027	CC	GG	1940544824
SNP_P1_260973_246	NW_004518791.1	Scaffold4354	246	TT	AA	1940544826
SNP_P1_260974_914	NW_004518793.1	Scaffold4357	914	GG	AA	1940544828
SNP_P1_260975_919	NW_004518793.1	Scaffold4357	919	GG	AA	1940544831
SNP_P1_260976_1035	NW_004518793.1	Scaffold4357	1035	CC	TT	1940544833
SNP_P1_260979_334	NW_004518799.1	Scaffold4367	334	TT	CC	1940544835
SNP_P1_260980_388	NW_004518799.1	Scaffold4367	388	AA	GG	1940544837
SNP_P1_260981_624	NW_004518799.1	Scaffold4367	624	AA	GG	1940544839
SNP_P1_260982_921	NW_004518799.1	Scaffold4367	921	GG	TT	1940544841
SNP_P1_260983_951	NW_004518799.1	Scaffold4367	951	TT	AA	1940544843
SNP_P1_260984_2565	NW_004518799.1	Scaffold4367	2565	TT	AA	1940544845
SNP_P1_260985_2598	NW_004518799.1	Scaffold4367	2598	TT	CC	1940544847
SNP_P1_260986_4564	NW_004518799.1	Scaffold4367	4564	CC	TT	1940544849
SNP_P1_260987_4574	NW_004518799.1	Scaffold4367	4574	TT	CC	1940544852
SNP_P1_260988_5099	NW_004518799.1	Scaffold4367	5099	AA	GG	1940544854
SNP_P1_260989_5110	NW_004518799.1	Scaffold4367	5110	TT	AA	1940544856
SNP_P1_260990_6243	NW_004518799.1	Scaffold4367	6243	GG	AA	1940544858
SNP_P1_260991_6321	NW_004518799.1	Scaffold4367	6321	CC	GG	1940544860
SNP_P1_260992_6846	NW_004518799.1	Scaffold4367	6846	AA	TT	1940544862
SNP_P1_260993_6970	NW_004518799.1	Scaffold4367	6970	TT	AA	1940544864
SNP_P1_260994_7873	NW_004518799.1	Scaffold4367	7873	TT	GG	1940544866
SNP_P1_260995_7995	NW_004518799.1	Scaffold4367	7995	CC	AA	1940544868
SNP_P1_260996_8163	NW_004518799.1	Scaffold4367	8163	TT	GG	1940544871
SNP_P1_260997_9226	NW_004518799.1	Scaffold4367	9226	TT	AA	1940544873
SNP_P1_260998_9264	NW_004518799.1	Scaffold4367	9264	AA	CC	1940544875
SNP_P1_260999_9777	NW_004518799.1	Scaffold4367	9777	CC	AA	1940544877
SNP_P1_261000_11170	NW_004518799.1	Scaffold4367	11170	GG	AA	1940544879
SNP_P1_261001_11205	NW_004518799.1	Scaffold4367	11205	GG	AA	1940544881
SNP_P1_261002_11217	NW_004518799.1	Scaffold4367	11217	AA	CC	1940544883
SNP_P1_261003_11218	NW_004518799.1	Scaffold4367	11218	CC	GG	1940544885
SNP_P1_261005_12561	NW_004518799.1	Scaffold4367	12561	CC	GG	1940544887
SNP_P1_261006_12961	NW_004518799.1	Scaffold4367	12961	AA	CC	1940544889
SNP_P1_261007_13317	NW_004518799.1	Scaffold4367	13317	TT	AA	1940544892
SNP_P1_261008_13324	NW_004518799.1	Scaffold4367	13324	AA	TT	1940544894
SNP_P1_261009_16171	NW_004518799.1	Scaffold4367	16171	CC	GG	1940544896
SNP_P1_261010_16230	NW_004518799.1	Scaffold4367	16230	CC	AA	1940544898
SNP_P1_261011_26586	NW_004518799.1	Scaffold4367	26586	AA	GG	1940544900
SNP_P1_261012_29992	NW_004518799.1	Scaffold4367	29992	AA	CC	1940544902
SNP_P1_261013_30180	NW_004518799.1	Scaffold4367	30180	AA	GG	1940544904

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261015_30719	NW_004518799.1	Scaffold4367	30719	GG	CC	1940544908
SNP_P1_261016_30755	NW_004518799.1	Scaffold4367	30755	CC	TT	1940544911
SNP_P1_261017_30803	NW_004518799.1	Scaffold4367	30803	TT	GG	1940544913
SNP_P1_261018_30849	NW_004518799.1	Scaffold4367	30849	CC	TT	1940544915
SNP_P1_261019_31124	NW_004518799.1	Scaffold4367	31124	GG	AA	1940544917
SNP_P1_261020_36154	NW_004518799.1	Scaffold4367	36154	TT	AA	1940544919
SNP_P1_261021_36254	NW_004518799.1	Scaffold4367	36254	GG	AA	1940544921
SNP_P1_261022_36354	NW_004518799.1	Scaffold4367	36354	AA	GG	1940544923
SNP_P1_261023_37039	NW_004518799.1	Scaffold4367	37039	CC	TT	1940544925
SNP_P1_261024_37173	NW_004518799.1	Scaffold4367	37173	AA	GG	1940544927
SNP_P1_261025_37231	NW_004518799.1	Scaffold4367	37231	TT	GG	1940544930
SNP_P1_261027_1111	NW_004518801.1	Scaffold4371	1111	GG	TT	1940544932
SNP_P1_261028_212	NW_004518803.1	Scaffold4373	212	TT	CC	1940544934
SNP_P1_261029_465	NW_004518803.1	Scaffold4373	465	GG	AA	1940544936
SNP_P1_261030_10	NW_004518804.1	Scaffold4374	10	AA	CC	1940544938
SNP_P1_261031_69	NW_004518804.1	Scaffold4374	69	CC	AA	1940544940
SNP_P1_261032_209	NW_004518804.1	Scaffold4374	209	GG	TT	1940544942
SNP_P1_261033_318	NW_004518804.1	Scaffold4374	318	TT	CC	1940544944
SNP_P1_261034_327	NW_004518804.1	Scaffold4374	327	AA	CC	1940544946
SNP_P1_261035_386	NW_004518804.1	Scaffold4374	386	CC	AA	1940544948
SNP_P1_261036_405	NW_004518804.1	Scaffold4374	405	TT	CC	1940544951
SNP_P1_261037_424	NW_004518804.1	Scaffold4374	424	TT	CC	1940544953
SNP_P1_261038_502	NW_004518804.1	Scaffold4374	502	CC	AA	1940544955
SNP_P1_261039_526	NW_004518804.1	Scaffold4374	526	TT	AA	1940544957
SNP_P1_261040_587	NW_004518804.1	Scaffold4374	587	AA	GG	1940544959
SNP_P1_261041_713	NW_004518804.1	Scaffold4374	713	AA	CC	1940544961
SNP_P1_261043_760	NW_004518804.1	Scaffold4374	760	AA	GG	1940544963
SNP_P1_261044_772	NW_004518804.1	Scaffold4374	772	TT	CC	1940544965
SNP_P1_261045_808	NW_004518804.1	Scaffold4374	808	CC	TT	1940544967
SNP_P1_261046_993	NW_004518804.1	Scaffold4374	993	CC	AA	1940544970
SNP_P1_261047_1000	NW_004518804.1	Scaffold4374	1000	CC	AA	1940544972
SNP_P1_261048_1007	NW_004518804.1	Scaffold4374	1007	CC	AA	1940544974
SNP_P1_261049_1137	NW_004518804.1	Scaffold4374	1137	AA	CC	1940544976
SNP_P1_261051_1905	NW_004518804.1	Scaffold4374	1905	AA	GG	1940544978
SNP_P1_261052_1906	NW_004518804.1	Scaffold4374	1906	GG	AA	1940544980
SNP_P1_261053_1947	NW_004518804.1	Scaffold4374	1947	TT	CC	1940544982
SNP_P1_261054_1012	NW_004518806.1	Scaffold4377	1012	CC	TT	1940544984
SNP_P1_261055_1803	NW_004518806.1	Scaffold4377	1803	AA	TT	1940544986
SNP_P1_261056_1804	NW_004518806.1	Scaffold4377	1804	AA	GG	1940544988
SNP_P1_261057_1809	NW_004518806.1	Scaffold4377	1809	GG	AA	1940544991
SNP_P1_261059_11075	NW_004518806.1	Scaffold4377	11075	GG	CC	1940544993

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261061_27297	NW_004518806.1	Scaffold4377	27297	CC	TT	1940544997
SNP_P1_261062_27324	NW_004518806.1	Scaffold4377	27324	TT	AA	1940544999
SNP_P1_261063_27419	NW_004518806.1	Scaffold4377	27419	AA	TT	1940545001
SNP_P1_261064_33731	NW_004518806.1	Scaffold4377	33731	TT	AA	1940545003
SNP_P1_261065_33735	NW_004518806.1	Scaffold4377	33735	GG	AA	1940545005
SNP_P1_261066_33802	NW_004518806.1	Scaffold4377	33802	GG	CC	1940545007
SNP_P1_261067_35620	NW_004518806.1	Scaffold4377	35620	AA	CC	1940545010
SNP_P1_261068_35632	NW_004518806.1	Scaffold4377	35632	GG	AA	1940545012
SNP_P1_261069_38589	NW_004518806.1	Scaffold4377	38589	CC	AA	1940545014
SNP_P1_261070_46804	NW_004518806.1	Scaffold4377	46804	GG	TT	1940545016
SNP_P1_261071_46895	NW_004518806.1	Scaffold4377	46895	GG	AA	1940545018
SNP_P1_261072_47076	NW_004518806.1	Scaffold4377	47076	CC	GG	1940545020
SNP_P1_261073_47106	NW_004518806.1	Scaffold4377	47106	TT	AA	1940545022
SNP_P1_261074_47113	NW_004518806.1	Scaffold4377	47113	AA	GG	1940545024
SNP_P1_261075_47137	NW_004518806.1	Scaffold4377	47137	TT	AA	1940545026
SNP_P1_261076_47190	NW_004518806.1	Scaffold4377	47190	CC	TT	1940545028
SNP_P1_261077_47840	NW_004518806.1	Scaffold4377	47840	TT	CC	1940545031
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SNP_P1_261090_897	NW_004518807.1	Scaffold4379	897	TT	AA	1940545058
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SNP_P1_261094_12338	NW_004518807.1	Scaffold4379	12338	CC	GG	1940545066
SNP_P1_261095_12706	NW_004518807.1	Scaffold4379	12706	AA	GG	1940545069
SNP_P1_261096_19461	NW_004518807.1	Scaffold4379	19461	GG	AA	1940545071
SNP_P1_261097_23278	NW_004518807.1	Scaffold4379	23278	GG	TT	1940545073
SNP_P1_261098_23279	NW_004518807.1	Scaffold4379	23279	TT	AA	1940545075
SNP_P1_261099_140	NW_004518810.1	Scaffold4383	140	CC	TT	1940545077
SNP_P1_261100_384	NW_004518810.1	Scaffold4383	384	GG	TT	1940545079
SNP_P1_261101_738	NW_004518810.1	Scaffold4383	738	TT	CC	1940545081

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261103_761	NW_004518810.1	Scaffold4383	761	TT	GG	1940545085
SNP_P1_261104_763	NW_004518810.1	Scaffold4383	763	AA	CC	1940545087
SNP_P1_261105_22491	NW_004518810.1	Scaffold4383	22491	GG	CC	1940545090
SNP_P1_261106_22496	NW_004518810.1	Scaffold4383	22496	GG	CC	1940545092
SNP_P1_261107_22613	NW_004518810.1	Scaffold4383	22613	TT	CC	1940545094
SNP_P1_261108_22638	NW_004518810.1	Scaffold4383	22638	AA	CC	1940545096
SNP_P1_261109_22639	NW_004518810.1	Scaffold4383	22639	CC	AA	1940545098
SNP_P1_261110_22640	NW_004518810.1	Scaffold4383	22640	TT	CC	1940545100
SNP_P1_261111_22882	NW_004518810.1	Scaffold4383	22882	AA	GG	1940545102
SNP_P1_261112_22889	NW_004518810.1	Scaffold4383	22889	AA	GG	1940545104
SNP_P1_261113_24671	NW_004518810.1	Scaffold4383	24671	CC	TT	1940545106
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SNP_P1_261118_25210	NW_004518810.1	Scaffold4383	25210	GG	TT	1940545117
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SNP_P1_261123_863	NW_004518811.1	Scaffold4385	863	GG	AA	1940545128
SNP_P1_261124_885	NW_004518811.1	Scaffold4385	885	CC	AA	1940545130
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SNP_P1_261126_6425	NW_004518811.1	Scaffold4385	6425	GG	AA	1940545134
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SNP_P1_261128_6478	NW_004518811.1	Scaffold4385	6478	AA	GG	1940545138
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SNP_P1_261133_7735	NW_004518811.1	Scaffold4385	7735	TT	AA	1940545146
SNP_P1_261134_69	NW_004518812.1	Scaffold4386	69	CC	TT	1940545149
SNP_P1_261135_699	NW_004518813.1	Scaffold4387	699	TT	CC	1940545151
SNP_P1_261136_807	NW_004518813.1	Scaffold4387	807	AA	TT	1940545153
SNP_P1_261137_903	NW_004518813.1	Scaffold4387	903	TT	CC	1940545155
SNP_P1_261138_932	NW_004518813.1	Scaffold4387	932	GG	AA	1940545157
SNP_P1_261139_1056	NW_004518813.1	Scaffold4387	1056	GG	AA	1940545159
SNP_P1_261140_5019	NW_004518813.1	Scaffold4387	5019	GG	AA	1940545161
SNP_P1_261141_5232	NW_004518813.1	Scaffold4387	5232	TT	CC	1940545163
SNP_P1_261142_5351	NW_004518813.1	Scaffold4387	5351	GG	AA	1940545165
SNP_P1_261143_5407	NW_004518813.1	Scaffold4387	5407	TT	GG	1940545167
SNP_P1_261144_5452	NW_004518813.1	Scaffold4387	5452	AA	TT	1940545170

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_261145_5471	NW_004518813.1	Scaffold4387	5471	AA	TT	1940545172
SNP_P1_261146_5483	NW_004518813.1	Scaffold4387	5483	AA	TT	1940545174
SNP_P1_261148_5531	NW_004518813.1	Scaffold4387	5531	AA	CC	1940545176
SNP_P1_261149_5538	NW_004518813.1	Scaffold4387	5538	TT	CC	1940545178
SNP_P1_261150_5550	NW_004518813.1	Scaffold4387	5550	GG	AA	1940545180
SNP_P1_261151_5560	NW_004518813.1	Scaffold4387	5560	TT	CC	1940545182
SNP_P1_261152_5570	NW_004518813.1	Scaffold4387	5570	GG	AA	1940545184
SNP_P1_261154_5886	NW_004518813.1	Scaffold4387	5886	CC	GG	1940545186
SNP_P1_261155_5944	NW_004518813.1	Scaffold4387	5944	GG	TT	1940545188
SNP_P1_261156_6583	NW_004518813.1	Scaffold4387	6583	CC	TT	1940545191
SNP_P1_261157_6747	NW_004518813.1	Scaffold4387	6747	CC	TT	1940545193
SNP_P1_261159_197	NW_004518814.1	Scaffold4388	197	TT	AA	1940545195
SNP_P1_261160_237	NW_004518814.1	Scaffold4388	237	AA	CC	1940545197
SNP_P1_261161_400	NW_004518814.1	Scaffold4388	400	AA	CC	1940545199
SNP_P1_261162_404	NW_004518814.1	Scaffold4388	404	AA	CC	1940545201
SNP_P1_261163_414	NW_004518814.1	Scaffold4388	414	TT	GG	1940545203
SNP_P1_261164_422	NW_004518814.1	Scaffold4388	422	GG	AA	1940545205
SNP_P1_261166_500	NW_004518814.1	Scaffold4388	500	CC	TT	1940545207
SNP_P1_261167_521	NW_004518814.1	Scaffold4388	521	TT	CC	1940545209
SNP_P1_261168_543	NW_004518814.1	Scaffold4388	543	TT	GG	1940545212
SNP_P1_261169_600	NW_004518814.1	Scaffold4388	600	GG	AA	1940545214
SNP_P1_261170_832	NW_004518814.1	Scaffold4388	832	GG	AA	1940545216
SNP_P1_261171_627	NW_004518816.1	Scaffold4390	627	AA	GG	1940545218
SNP_P1_261172_766	NW_004518817.1	Scaffold4391	766	TT	CC	1940545220
SNP_P1_261173_257	NW_004518819.1	Scaffold4396	257	GG	AA	1940545222
SNP_P1_261175_2463	NW_004518820.1	Scaffold4397	2463	CC	TT	1940545224
SNP_P1_261176_4831	NW_004518820.1	Scaffold4397	4831	CC	AA	1940545226
SNP_P1_261177_258	NW_004518821.1	Scaffold4398	258	TT	CC	1940545228
SNP_P1_261178_259	NW_004518821.1	Scaffold4398	259	GG	CC	1940545231
SNP_P1_261179_283	NW_004518821.1	Scaffold4398	283	GG	CC	1940545233
SNP_P1_261182_483	NW_004518821.1	Scaffold4398	483	AA	TT	1940545235
SNP_P1_261183_2972	NW_004518821.1	Scaffold4398	2972	TT	CC	1940545237
SNP_P1_261184_1849	NW_004518822.1	Scaffold4401	1849	CC	AA	1940545239
SNP_P1_261185_81	NW_004518823.1	Scaffold4402	81	AA	GG	1940545241
SNP_P1_261186_115	NW_004518823.1	Scaffold4402	115	AA	TT	1940545243
SNP_P1_261187_198	NW_004518823.1	Scaffold4402	198	AA	GG	1940545245
SNP_P1_261188_264	NW_004518823.1	Scaffold4402	264	CC	TT	1940545247
SNP_P1_261189_402	NW_004518823.1	Scaffold4402	402	AA	GG	1940545249
SNP_P1_261190_403	NW_004518823.1	Scaffold4402	403	GG	TT	1940545252
SNP_P1_261191_448	NW_004518823.1	Scaffold4402	448	GG	AA	1940545254
SNP_P1_261192_454	NW_004518823.1	Scaffold4402	454	CC	TT	1940545256
SNP_P1_261193_69	NW_004518824.1	Scaffold4404	69	TT	AA	1940545258

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261195_73	NW_004518829.1	Scaffold4414	73	AA	GG	1940545262
SNP_P1_261196_75	NW_004518829.1	Scaffold4414	75	AA	CC	1940545264
SNP_P1_261197_310	NW_004518829.1	Scaffold4414	310	AA	CC	1940545266
SNP_P1_261198_340	NW_004518829.1	Scaffold4414	340	TT	GG	1940545268
SNP_P1_261199_346	NW_004518829.1	Scaffold4414	346	GG	AA	1940545270
SNP_P1_261200_369	NW_004518829.1	Scaffold4414	369	TT	CC	1940545273
SNP_P1_261201_392	NW_004518829.1	Scaffold4414	392	GG	TT	1940545275
SNP_P1_261202_523	NW_004518829.1	Scaffold4414	523	AA	CC	1940545277
SNP_P1_261203_604	NW_004518829.1	Scaffold4414	604	GG	CC	1940545279
SNP_P1_261204_2732	NW_004518829.1	Scaffold4414	2732	CC	TT	1940545281
SNP_P1_261205_2737	NW_004518829.1	Scaffold4414	2737	CC	TT	1940545283
SNP_P1_261206_2740	NW_004518829.1	Scaffold4414	2740	AA	GG	1940545285
SNP_P1_261207_257	NW_004518832.1	Scaffold4417	257	GG	TT	1940545287
SNP_P1_261208_258	NW_004518832.1	Scaffold4417	258	TT	AA	1940545289
SNP_P1_261209_563	NW_004518832.1	Scaffold4417	563	TT	CC	1940545292
SNP_P1_261210_852	NW_004518832.1	Scaffold4417	852	GG	AA	1940545294
SNP_P1_261211_881	NW_004518832.1	Scaffold4417	881	TT	AA	1940545296
SNP_P1_261212_1124	NW_004518832.1	Scaffold4417	1124	CC	TT	1940545298
SNP_P1_261213_1133	NW_004518832.1	Scaffold4417	1133	TT	CC	1940545300
SNP_P1_261214_1139	NW_004518832.1	Scaffold4417	1139	GG	CC	1940545302
SNP_P1_261215_1151	NW_004518832.1	Scaffold4417	1151	GG	CC	1940545304
SNP_P1_261217_812	NW_004518837.1	Scaffold4426	812	AA	CC	1940545306
SNP_P1_261218_930	NW_004518837.1	Scaffold4426	930	TT	CC	1940545308
SNP_P1_261219_931	NW_004518837.1	Scaffold4426	931	GG	CC	1940545310
SNP_P1_261220_953	NW_004518837.1	Scaffold4426	953	TT	AA	1940545313
SNP_P1_261221_962	NW_004518837.1	Scaffold4426	962	GG	TT	1940545315
SNP_P1_261222_981	NW_004518837.1	Scaffold4426	981	TT	GG	1940545317
SNP_P1_261223_994	NW_004518837.1	Scaffold4426	994	GG	AA	1940545319
SNP_P1_261224_225	NW_004518838.1	Scaffold4427	225	TT	AA	1940545321
SNP_P1_261225_405	NW_004518838.1	Scaffold4427	405	AA	TT	1940545323
SNP_P1_261226_413	NW_004518838.1	Scaffold4427	413	GG	CC	1940545325
SNP_P1_261227_658	NW_004518838.1	Scaffold4427	658	AA	TT	1940545327
SNP_P1_261228_565	NW_004518839.1	Scaffold4430	565	AA	GG	1940545329
SNP_P1_261229_615	NW_004518840.1	Scaffold4431	615	GG	AA	1940545331
SNP_P1_261230_3296	NW_004518843.1	Scaffold4436	3296	TT	GG	1940545334
SNP_P1_261231_3435	NW_004518843.1	Scaffold4436	3435	AA	GG	1940545336
SNP_P1_261232_3437	NW_004518843.1	Scaffold4436	3437	AA	GG	1940545338
SNP_P1_261233_3450	NW_004518843.1	Scaffold4436	3450	AA	GG	1940545340
SNP_P1_261234_3452	NW_004518843.1	Scaffold4436	3452	TT	CC	1940545342
SNP_P1_261235_3488	NW_004518843.1	Scaffold4436	3488	AA	TT	1940545344
SNP_P1_261236_3491	NW_004518843.1	Scaffold4436	3491	TT	GG	1940545346

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261238_3573	NW_004518843.1	Scaffold4436	3573	AA	TT	1940545350
SNP_P1_261239_3598	NW_004518843.1	Scaffold4436	3598	GG	AA	1940545352
SNP_P1_261240_3602	NW_004518843.1	Scaffold4436	3602	TT	AA	1940545355
SNP_P1_261241_3606	NW_004518843.1	Scaffold4436	3606	AA	GG	1940545357
SNP_P1_261242_3631	NW_004518843.1	Scaffold4436	3631	AA	GG	1940545359
SNP_P1_261243_6505	NW_004518843.1	Scaffold4436	6505	AA	GG	1940545361
SNP_P1_261244_927	NW_004518844.1	Scaffold4437	927	GG	CC	1940545363
SNP_P1_261245_945	NW_004518844.1	Scaffold4437	945	AA	CC	1940545365
SNP_P1_261246_963	NW_004518844.1	Scaffold4437	963	GG	AA	1940545367
SNP_P1_261247_965	NW_004518844.1	Scaffold4437	965	AA	CC	1940545369
SNP_P1_261248_1253	NW_004518844.1	Scaffold4437	1253	TT	CC	1940545371
SNP_P1_261249_5594	NW_004518845.1	Scaffold4439	5594	CC	GG	1940545374
SNP_P1_261250_6052	NW_004518845.1	Scaffold4439	6052	TT	AA	1940545376
SNP_P1_261251_6064	NW_004518845.1	Scaffold4439	6064	GG	AA	1940545378
SNP_P1_261252_6124	NW_004518845.1	Scaffold4439	6124	AA	GG	1940545380
SNP_P1_261253_6147	NW_004518845.1	Scaffold4439	6147	TT	AA	1940545382
SNP_P1_261254_6174	NW_004518845.1	Scaffold4439	6174	AA	GG	1940545384
SNP_P1_261255_6207	NW_004518845.1	Scaffold4439	6207	GG	TT	1940545386
SNP_P1_261256_6324	NW_004518845.1	Scaffold4439	6324	AA	TT	1940545388
SNP_P1_261257_6391	NW_004518845.1	Scaffold4439	6391	AA	TT	1940545390
SNP_P1_261258_6392	NW_004518845.1	Scaffold4439	6392	AA	GG	1940545392
SNP_P1_261259_6503	NW_004518845.1	Scaffold4439	6503	AA	GG	1940545395
SNP_P1_261260_6588	NW_004518845.1	Scaffold4439	6588	GG	CC	1940545397
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SNP_P1_261262_6677	NW_004518845.1	Scaffold4439	6677	TT	GG	1940545401
SNP_P1_261263_6695	NW_004518845.1	Scaffold4439	6695	GG	TT	1940545403
SNP_P1_261264_6713	NW_004518845.1	Scaffold4439	6713	TT	GG	1940545405
SNP_P1_261265_6849	NW_004518845.1	Scaffold4439	6849	TT	CC	1940545407
SNP_P1_261266_6999	NW_004518845.1	Scaffold4439	6999	CC	GG	1940545409
SNP_P1_261267_1452	NW_004518849.1	Scaffold4443	1452	CC	TT	1940545411
SNP_P1_261268_1816	NW_004518849.1	Scaffold4443	1816	GG	AA	1940545413
SNP_P1_261270_3259	NW_004518855.1	Scaffold4452	3259	GG	AA	1940545416
SNP_P1_261271_3265	NW_004518855.1	Scaffold4452	3265	GG	TT	1940545418
SNP_P1_261272_3310	NW_004518855.1	Scaffold4452	3310	GG	AA	1940545420
SNP_P1_261273_5119	NW_004518855.1	Scaffold4452	5119	TT	CC	1940545422
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SNP_P1_261275_10033	NW_004518855.1	Scaffold4452	10033	CC	TT	1940545426
SNP_P1_261276_12965	NW_004518855.1	Scaffold4452	12965	GG	TT	1940545428
SNP_P1_261277_12971	NW_004518855.1	Scaffold4452	12971	TT	CC	1940545430
SNP_P1_261278_13778	NW_004518855.1	Scaffold4452	13778	CC	TT	1940545432
SNP_P1_261279_13803	NW_004518855.1	Scaffold4452	13803	GG	AA	1940545434

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261281_13947	NW_004518855.1	Scaffold4452	13947	TT	CC	1940545439
SNP_P1_261282_14387	NW_004518855.1	Scaffold4452	14387	CC	TT	1940545441
SNP_P1_261283_14394	NW_004518855.1	Scaffold4452	14394	GG	CC	1940545443
SNP_P1_261284_14536	NW_004518855.1	Scaffold4452	14536	TT	GG	1940545445
SNP_P1_261285_14551	NW_004518855.1	Scaffold4452	14551	AA	GG	1940545447
SNP_P1_261286_14567	NW_004518855.1	Scaffold4452	14567	CC	TT	1940545450
SNP_P1_261287_15224	NW_004518855.1	Scaffold4452	15224	TT	AA	1940545452
SNP_P1_261288_15261	NW_004518855.1	Scaffold4452	15261	CC	GG	1940545454
SNP_P1_261289_15891	NW_004518855.1	Scaffold4452	15891	CC	TT	1940545456
SNP_P1_261290_16260	NW_004518855.1	Scaffold4452	16260	CC	AA	1940545458
SNP_P1_261291_21073	NW_004518855.1	Scaffold4452	21073	AA	TT	1940545460
SNP_P1_261292_21093	NW_004518855.1	Scaffold4452	21093	AA	GG	1940545462
SNP_P1_261293_26034	NW_004518855.1	Scaffold4452	26034	TT	AA	1940545464
SNP_P1_261296_52106	NW_004518855.1	Scaffold4452	52106	GG	TT	1940545466
SNP_P1_261297_52301	NW_004518855.1	Scaffold4452	52301	AA	TT	1940545469
SNP_P1_261298_57247	NW_004518855.1	Scaffold4452	57247	CC	AA	1940545471
SNP_P1_261300_88837	NW_004518855.1	Scaffold4452	88837	TT	CC	1940545473
SNP_P1_261301_98868	NW_004518855.1	Scaffold4452	98868	GG	AA	1940545475
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SNP_P1_261305_125452	NW_004518855.1	Scaffold4452	125452	GG	AA	1940545481
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SNP_P1_261307_125890	NW_004518855.1	Scaffold4452	125890	CC	AA	1940545485
SNP_P1_261308_125953	NW_004518855.1	Scaffold4452	125953	CC	AA	1940545488
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SNP_P1_261311_126117	NW_004518855.1	Scaffold4452	126117	AA	TT	1940545494
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SNP_P1_261313_126144	NW_004518855.1	Scaffold4452	126144	AA	TT	1940545498
SNP_P1_261315_126205	NW_004518855.1	Scaffold4452	126205	GG	AA	1940545500
SNP_P1_261316_126206	NW_004518855.1	Scaffold4452	126206	AA	CC	1940545502
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SNP_P1_261319_1351	NW_004518857.1	Scaffold4455	1351	CC	GG	1940545509
SNP_P1_261320_1577	NW_004518857.1	Scaffold4455	1577	GG	AA	1940545511
SNP_P1_261321_604	NW_004518858.1	Scaffold4456	604	TT	AA	1940545513
SNP_P1_261322_770	NW_004518860.1	Scaffold4461	770	AA	TT	1940545515
SNP_P1_261323_2807	NW_004518861.1	Scaffold4462	2807	AA	CC	1940545517
SNP_P1_261324_2833	NW_004518861.1	Scaffold4462	2833	TT	CC	1940545519
SNP_P1_261325_2885	NW_004518861.1	Scaffold4462	2885	TT	CC	1940545521
SNP_P1_261326_2915	NW_004518861.1	Scaffold4462	2915	CC	TT	1940545523

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261328_2975	NW_004518861.1	Scaffold4462	2975	TT	CC	1940545528
SNP_P1_261329_2986	NW_004518861.1	Scaffold4462	2986	AA	GG	1940545530
SNP_P1_261330_3035	NW_004518861.1	Scaffold4462	3035	GG	AA	1940545532
SNP_P1_261331_3059	NW_004518861.1	Scaffold4462	3059	AA	GG	1940545534
SNP_P1_261332_3064	NW_004518861.1	Scaffold4462	3064	GG	TT	1940545536
SNP_P1_261333_3065	NW_004518861.1	Scaffold4462	3065	AA	GG	1940545538
SNP_P1_261334_3358	NW_004518861.1	Scaffold4462	3358	GG	CC	1940545540
SNP_P1_261335_3392	NW_004518861.1	Scaffold4462	3392	GG	AA	1940545542
SNP_P1_261336_3476	NW_004518861.1	Scaffold4462	3476	AA	GG	1940545544
SNP_P1_261337_600	NW_004518862.1	Scaffold4465	600	GG	TT	1940545546
SNP_P1_261338_662	NW_004518862.1	Scaffold4465	662	GG	AA	1940545549
SNP_P1_261339_2369	NW_004518862.1	Scaffold4465	2369	TT	GG	1940545551
SNP_P1_261340_2437	NW_004518862.1	Scaffold4465	2437	TT	AA	1940545553
SNP_P1_261342_655	NW_004518864.1	Scaffold4468	655	TT	AA	1940545555
SNP_P1_261343_650	NW_004518869.1	Scaffold4475	650	GG	CC	1940545557
SNP_P1_261344_216	NW_004518872.1	Scaffold4478	216	AA	GG	1940545559
SNP_P1_261345_239	NW_004518872.1	Scaffold4478	239	GG	AA	1940545561
SNP_P1_261346_245	NW_004518872.1	Scaffold4478	245	CC	GG	1940545563
SNP_P1_261347_247	NW_004518872.1	Scaffold4478	247	AA	CC	1940545565
SNP_P1_261348_807	NW_004518872.1	Scaffold4478	807	AA	GG	1940545567
SNP_P1_261349_1080	NW_004518873.1	Scaffold4481	1080	CC	TT	1940545570
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SNP_P1_261351_10356	NW_004518873.1	Scaffold4481	10356	CC	AA	1940545574
SNP_P1_261352_10363	NW_004518873.1	Scaffold4481	10363	AA	TT	1940545576
SNP_P1_261353_10402	NW_004518873.1	Scaffold4481	10402	CC	AA	1940545578
SNP_P1_261354_10457	NW_004518873.1	Scaffold4481	10457	AA	TT	1940545580
SNP_P1_261355_10678	NW_004518873.1	Scaffold4481	10678	GG	CC	1940545582
SNP_P1_261356_159	NW_004518878.1	Scaffold4488	159	TT	AA	1940545584
SNP_P1_261357_195	NW_004518878.1	Scaffold4488	195	CC	AA	1940545586
SNP_P1_261358_69	NW_004518880.1	Scaffold4491	69	TT	CC	1940545588
SNP_P1_261359_391	NW_004518882.1	Scaffold4494	391	TT	AA	1940545591
SNP_P1_261360_418	NW_004518882.1	Scaffold4494	418	AA	TT	1940545593
SNP_P1_261361_64	NW_004518883.1	Scaffold4495	64	GG	TT	1940545595
SNP_P1_261362_104	NW_004518883.1	Scaffold4495	104	AA	TT	1940545597
SNP_P1_261363_219	NW_004518883.1	Scaffold4495	219	TT	GG	1940545599
SNP_P1_261364_6086	NW_004518883.1	Scaffold4495	6086	TT	AA	1940545601
SNP_P1_261365_1357	NW_004518888.1	Scaffold4503	1357	TT	CC	1940545603
SNP_P1_261366_1581	NW_004518888.1	Scaffold4503	1581	TT	AA	1940545605
SNP_P1_261367_1548	NW_004518890.1	Scaffold4505	1548	CC	GG	1940545607
SNP_P1_261368_1611	NW_004518890.1	Scaffold4505	1611	CC	GG	1940545610
SNP_P1_261369_1651	NW_004518890.1	Scaffold4505	1651	GG	TT	1940545612

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_261370_1756	NW_004518890.1	Scaffold4505	1756	GG	CC	1940545614
SNP_P1_261371_689	NW_004518891.1	Scaffold4506	689	CC	AA	1940545616
SNP_P1_261372_996	NW_004518891.1	Scaffold4506	996	CC	TT	1940545618
SNP_P1_261373_442	NW_004518892.1	Scaffold4507	442	GG	AA	1940545620
SNP_P1_261374_2985	NW_004518893.1	Scaffold4508	2985	TT	AA	1940545622
SNP_P1_261376_33633	NW_004518893.1	Scaffold4508	33633	TT	AA	1940545624
SNP_P1_261377_33639	NW_004518893.1	Scaffold4508	33639	AA	TT	1940545626
SNP_P1_261378_33640	NW_004518893.1	Scaffold4508	33640	TT	GG	1940545628
SNP_P1_261379_33669	NW_004518893.1	Scaffold4508	33669	CC	TT	1940545631
SNP_P1_261380_33696	NW_004518893.1	Scaffold4508	33696	AA	CC	1940545633
SNP_P1_261381_33808	NW_004518893.1	Scaffold4508	33808	AA	TT	1940545635
SNP_P1_261382_33813	NW_004518893.1	Scaffold4508	33813	TT	CC	1940545637
SNP_P1_261383_33886	NW_004518893.1	Scaffold4508	33886	CC	AA	1940545639
SNP_P1_261384_33902	NW_004518893.1	Scaffold4508	33902	CC	AA	1940545641
SNP_P1_261385_35126	NW_004518893.1	Scaffold4508	35126	GG	TT	1940545643
SNP_P1_261386_35199	NW_004518893.1	Scaffold4508	35199	CC	AA	1940545645
SNP_P1_261387_36372	NW_004518893.1	Scaffold4508	36372	CC	AA	1940545647
SNP_P1_261388_36663	NW_004518893.1	Scaffold4508	36663	CC	TT	1940545650
SNP_P1_261390_36775	NW_004518893.1	Scaffold4508	36775	TT	AA	1940545652
SNP_P1_261391_36840	NW_004518893.1	Scaffold4508	36840	GG	CC	1940545654
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SNP_P1_261393_37079	NW_004518893.1	Scaffold4508	37079	CC	TT	1940545658
SNP_P1_261394_37098	NW_004518893.1	Scaffold4508	37098	AA	GG	1940545660
SNP_P1_261395_37152	NW_004518893.1	Scaffold4508	37152	GG	AA	1940545662
SNP_P1_261396_115	NW_004518894.1	Scaffold4509	115	GG	TT	1940545664
SNP_P1_261397_116	NW_004518894.1	Scaffold4509	116	TT	GG	1940545666
SNP_P1_261398_383	NW_004518894.1	Scaffold4509	383	AA	GG	1940545668
SNP_P1_261399_512	NW_004518894.1	Scaffold4509	512	TT	CC	1940545671
SNP_P1_261400_527	NW_004518894.1	Scaffold4509	527	GG	AA	1940545673
SNP_P1_261401_555	NW_004518894.1	Scaffold4509	555	AA	CC	1940545675
SNP_P1_261402_680	NW_004518894.1	Scaffold4509	680	AA	GG	1940545677
SNP_P1_261403_767	NW_004518894.1	Scaffold4509	767	GG	CC	1940545679
SNP_P1_261404_802	NW_004518894.1	Scaffold4509	802	AA	TT	1940545681
SNP_P1_261405_942	NW_004518894.1	Scaffold4509	942	CC	TT	1940545683
SNP_P1_261406_954	NW_004518894.1	Scaffold4509	954	CC	TT	1940545685
SNP_P1_261408_1235	NW_004518894.1	Scaffold4509	1235	GG	AA	1940545687
SNP_P1_261409_1636	NW_004518894.1	Scaffold4509	1636	GG	AA	1940545690
SNP_P1_261410_2696	NW_004518894.1	Scaffold4509	2696	CC	GG	1940545692
SNP_P1_261411_934	NW_004518895.1	Scaffold4510	934	CC	TT	1940545694
SNP_P1_261412_2291	NW_004518896.1	Scaffold4511	2291	AA	GG	1940545696
SNP_P1_261413_2296	NW_004518896.1	Scaffold4511	2296	GG	AA	1940545698
SNP_P1_261414_2616	NW_004518896.1	Scaffold4511	2616	GG	TT	1940545700

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261417_11646	NW_004518896.1	Scaffold4511	11646	AA	TT	1940545704
SNP_P1_261418_11671	NW_004518896.1	Scaffold4511	11671	CC	TT	1940545706
SNP_P1_261419_12481	NW_004518896.1	Scaffold4511	12481	AA	CC	1940545708
SNP_P1_261420_12527	NW_004518896.1	Scaffold4511	12527	GG	AA	1940545711
SNP_P1_261421_12668	NW_004518896.1	Scaffold4511	12668	AA	CC	1940545713
SNP_P1_261422_12899	NW_004518896.1	Scaffold4511	12899	AA	TT	1940545715
SNP_P1_261423_13167	NW_004518896.1	Scaffold4511	13167	GG	AA	1940545717
SNP_P1_261424_13174	NW_004518896.1	Scaffold4511	13174	GG	AA	1940545719
SNP_P1_261425_13178	NW_004518896.1	Scaffold4511	13178	AA	GG	1940545721
SNP_P1_261426_13192	NW_004518896.1	Scaffold4511	13192	AA	TT	1940545723
SNP_P1_261427_14099	NW_004518896.1	Scaffold4511	14099	TT	CC	1940545725
SNP_P1_261428_22734	NW_004518896.1	Scaffold4511	22734	AA	TT	1940545727
SNP_P1_261429_22760	NW_004518896.1	Scaffold4511	22760	TT	CC	1940545730
SNP_P1_261430_22828	NW_004518896.1	Scaffold4511	22828	AA	GG	1940545732
SNP_P1_261432_22937	NW_004518896.1	Scaffold4511	22937	TT	AA	1940545734
SNP_P1_261433_22942	NW_004518896.1	Scaffold4511	22942	CC	TT	1940545736
SNP_P1_261435_23071	NW_004518896.1	Scaffold4511	23071	TT	CC	1940545738
SNP_P1_261436_23188	NW_004518896.1	Scaffold4511	23188	AA	GG	1940545740
SNP_P1_261437_23267	NW_004518896.1	Scaffold4511	23267	CC	TT	1940545742
SNP_P1_261438_23391	NW_004518896.1	Scaffold4511	23391	TT	CC	1940545744
SNP_P1_261439_23510	NW_004518896.1	Scaffold4511	23510	AA	GG	1940545746
SNP_P1_261441_31090	NW_004518896.1	Scaffold4511	31090	GG	AA	1940545749
SNP_P1_261442_31398	NW_004518896.1	Scaffold4511	31398	AA	GG	1940545751
SNP_P1_261443_31409	NW_004518896.1	Scaffold4511	31409	GG	AA	1940545753
SNP_P1_261444_31420	NW_004518896.1	Scaffold4511	31420	TT	AA	1940545755
SNP_P1_261446_43139	NW_004518896.1	Scaffold4511	43139	GG	TT	1940545757
SNP_P1_261447_43342	NW_004518896.1	Scaffold4511	43342	GG	TT	1940545759
SNP_P1_261448_43603	NW_004518896.1	Scaffold4511	43603	AA	GG	1940545761
SNP_P1_261449_43626	NW_004518896.1	Scaffold4511	43626	TT	GG	1940545763
SNP_P1_261450_2139	NW_004518897.1	Scaffold4512	2139	CC	TT	1940545765
SNP_P1_261451_70	NW_004518898.1	Scaffold4513	70	AA	GG	1940545767
SNP_P1_261452_79	NW_004518898.1	Scaffold4513	79	GG	TT	1940545770
SNP_P1_261454_226	NW_004518898.1	Scaffold4513	226	TT	GG	1940545772
SNP_P1_261455_371	NW_004518898.1	Scaffold4513	371	GG	AA	1940545774
SNP_P1_261456_1149	NW_004518898.1	Scaffold4513	1149	AA	CC	1940545776
SNP_P1_261457_1156	NW_004518898.1	Scaffold4513	1156	AA	GG	1940545778
SNP_P1_261458_1165	NW_004518898.1	Scaffold4513	1165	AA	TT	1940545780
SNP_P1_261459_3101	NW_004518898.1	Scaffold4513	3101	GG	TT	1940545782
SNP_P1_261460_3112	NW_004518898.1	Scaffold4513	3112	GG	TT	1940545784
SNP_P1_261461_3140	NW_004518898.1	Scaffold4513	3140	TT	AA	1940545786
SNP_P1_261462_3208	NW_004518898.1	Scaffold4513	3208	AA	GG	1940545788

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261464_3265	NW_004518898.1	Scaffold4513	3265	TT	AA	1940545793
SNP_P1_261465_3271	NW_004518898.1	Scaffold4513	3271	TT	CC	1940545795
SNP_P1_261466_3363	NW_004518898.1	Scaffold4513	3363	TT	CC	1940545797
SNP_P1_261467_3512	NW_004518898.1	Scaffold4513	3512	TT	CC	1940545799
SNP_P1_261468_3540	NW_004518898.1	Scaffold4513	3540	GG	AA	1940545801
SNP_P1_261469_3571	NW_004518898.1	Scaffold4513	3571	TT	CC	1940545803
SNP_P1_261470_4298	NW_004518898.1	Scaffold4513	4298	CC	GG	1940545805
SNP_P1_261471_4315	NW_004518898.1	Scaffold4513	4315	TT	GG	1940545807
SNP_P1_261472_443	NW_004518900.1	Scaffold4515	443	CC	AA	1940545810
SNP_P1_261473_456	NW_004518900.1	Scaffold4515	456	AA	CC	1940545812
SNP_P1_261474_458	NW_004518900.1	Scaffold4515	458	TT	AA	1940545814
SNP_P1_261475_475	NW_004518900.1	Scaffold4515	475	GG	AA	1940545816
SNP_P1_261477_756	NW_004518900.1	Scaffold4515	756	GG	CC	1940545818
SNP_P1_261478_450	NW_004518904.1	Scaffold4521	450	GG	AA	1940545820
SNP_P1_261479_479	NW_004518904.1	Scaffold4521	479	GG	AA	1940545822
SNP_P1_261480_2288	NW_004518906.1	Scaffold4524	2288	TT	CC	1940545824
SNP_P1_261481_400	NW_004518907.1	Scaffold4525	400	AA	TT	1940545826
SNP_P1_261482_485	NW_004518907.1	Scaffold4525	485	GG	TT	1940545829
SNP_P1_261483_687	NW_004518907.1	Scaffold4525	687	GG	TT	1940545831
SNP_P1_261484_790	NW_004518907.1	Scaffold4525	790	CC	TT	1940545833
SNP_P1_261485_819	NW_004518907.1	Scaffold4525	819	AA	GG	1940545835
SNP_P1_261486_822	NW_004518907.1	Scaffold4525	822	TT	GG	1940545837
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SNP_P1_261488_536	NW_004518910.1	Scaffold4528	536	TT	CC	1940545841
SNP_P1_261489_545	NW_004518910.1	Scaffold4528	545	CC	AA	1940545843
SNP_P1_261490_630	NW_004518910.1	Scaffold4528	630	AA	TT	1940545845
SNP_P1_261491_273	NW_004518911.1	Scaffold4529	273	TT	CC	1940545847
SNP_P1_261492_1531	NW_004518912.1	Scaffold4530	1531	GG	TT	1940545850
SNP_P1_261493_1555	NW_004518912.1	Scaffold4530	1555	GG	CC	1940545852
SNP_P1_261494_15118	NW_004518915.1	Scaffold4533	15118	AA	GG	1940545854
SNP_P1_261495_155	NW_004518916.1	Scaffold4534	155	GG	AA	1940545856
SNP_P1_261496_175	NW_004518916.1	Scaffold4534	175	TT	AA	1940545858
SNP_P1_261497_178	NW_004518916.1	Scaffold4534	178	AA	GG	1940545860
SNP_P1_261498_190	NW_004518916.1	Scaffold4534	190	GG	AA	1940545862
SNP_P1_261499_191	NW_004518916.1	Scaffold4534	191	GG	TT	1940545864
SNP_P1_261500_194	NW_004518916.1	Scaffold4534	194	CC	TT	1940545866
SNP_P1_261501_208	NW_004518916.1	Scaffold4534	208	AA	TT	1940545868
SNP_P1_261502_212	NW_004518916.1	Scaffold4534	212	AA	GG	1940545871
SNP_P1_261503_403	NW_004518916.1	Scaffold4534	403	AA	CC	1940545873
SNP_P1_261504_476	NW_004518916.1	Scaffold4534	476	TT	AA	1940545875
SNP_P1_261505_681	NW_004518916.1	Scaffold4534	681	CC	TT	1940545877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261507_702	NW_004518916.1	Scaffold4534	702	GG	AA	1940545881
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SNP_P1_261509_731	NW_004518916.1	Scaffold4534	731	GG	AA	1940545885
SNP_P1_261510_734	NW_004518916.1	Scaffold4534	734	CC	TT	1940545887
SNP_P1_261511_763	NW_004518916.1	Scaffold4534	763	TT	CC	1940545889
SNP_P1_261513_836	NW_004518916.1	Scaffold4534	836	CC	AA	1940545892
SNP_P1_261514_1136	NW_004518916.1	Scaffold4534	1136	TT	AA	1940545894
SNP_P1_261515_1255	NW_004518916.1	Scaffold4534	1255	GG	CC	1940545896
SNP_P1_261516_1389	NW_004518916.1	Scaffold4534	1389	GG	AA	1940545898
SNP_P1_261517_1390	NW_004518916.1	Scaffold4534	1390	AA	CC	1940545900
SNP_P1_261518_1423	NW_004518916.1	Scaffold4534	1423	AA	TT	1940545902
SNP_P1_261519_2840	NW_004518916.1	Scaffold4534	2840	TT	GG	1940545904
SNP_P1_261520_3046	NW_004518916.1	Scaffold4534	3046	TT	AA	1940545906
SNP_P1_261521_444	NW_004518918.1	Scaffold4537	444	TT	GG	1940545908
SNP_P1_261522_1402	NW_004518919.1	Scaffold4538	1402	AA	CC	1940545911
SNP_P1_261523_1436	NW_004518919.1	Scaffold4538	1436	CC	TT	1940545913
SNP_P1_261524_1439	NW_004518919.1	Scaffold4538	1439	GG	AA	1940545915
SNP_P1_261525_1603	NW_004518919.1	Scaffold4538	1603	GG	AA	1940545917
SNP_P1_261526_1635	NW_004518919.1	Scaffold4538	1635	TT	CC	1940545919
SNP_P1_261527_1638	NW_004518919.1	Scaffold4538	1638	TT	AA	1940545921
SNP_P1_261528_1656	NW_004518919.1	Scaffold4538	1656	AA	CC	1940545923
SNP_P1_261529_1729	NW_004518919.1	Scaffold4538	1729	GG	TT	1940545925
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SNP_P1_261531_3358	NW_004518919.1	Scaffold4538	3358	AA	GG	1940545929
SNP_P1_261532_3359	NW_004518919.1	Scaffold4538	3359	GG	AA	1940545932
SNP_P1_261533_3380	NW_004518919.1	Scaffold4538	3380	CC	TT	1940545934
SNP_P1_261534_3382	NW_004518919.1	Scaffold4538	3382	GG	AA	1940545936
SNP_P1_261535_5773	NW_004518919.1	Scaffold4538	5773	GG	AA	1940545938
SNP_P1_261536_1460	NW_004518922.1	Scaffold4543	1460	TT	GG	1940545940
SNP_P1_261537_1470	NW_004518922.1	Scaffold4543	1470	TT	AA	1940545942
SNP_P1_261539_4566	NW_004518922.1	Scaffold4543	4566	TT	CC	1940545944
SNP_P1_261540_4685	NW_004518922.1	Scaffold4543	4685	GG	AA	1940545946
SNP_P1_261541_4757	NW_004518922.1	Scaffold4543	4757	TT	CC	1940545948
SNP_P1_261542_4760	NW_004518922.1	Scaffold4543	4760	CC	TT	1940545950
SNP_P1_261543_5392	NW_004518922.1	Scaffold4543	5392	TT	CC	1940545953
SNP_P1_261544_52	NW_004518924.1	Scaffold4549	52	GG	AA	1940545955
SNP_P1_261545_69	NW_004518924.1	Scaffold4549	69	TT	AA	1940545957
SNP_P1_261546_84	NW_004518924.1	Scaffold4549	84	AA	CC	1940545959
SNP_P1_261547_91	NW_004518924.1	Scaffold4549	91	AA	GG	1940545961
SNP_P1_261548_103	NW_004518924.1	Scaffold4549	103	AA	GG	1940545963
SNP_P1_261550_190	NW_004518924.1	Scaffold4549	190	CC	TT	1940545965

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261553_472	NW_004518924.1	Scaffold4549	472	AA	TT	1940545969
SNP_P1_261554_483	NW_004518924.1	Scaffold4549	483	GG	AA	1940545972
SNP_P1_261555_2570	NW_004518926.1	Scaffold4551	2570	AA	TT	1940545974
SNP_P1_261556_2573	NW_004518926.1	Scaffold4551	2573	TT	AA	1940545976
SNP_P1_261557_2681	NW_004518926.1	Scaffold4551	2681	TT	AA	1940545978
SNP_P1_261558_2686	NW_004518926.1	Scaffold4551	2686	CC	GG	1940545980
SNP_P1_261559_2713	NW_004518926.1	Scaffold4551	2713	AA	GG	1940545982
SNP_P1_261560_2751	NW_004518926.1	Scaffold4551	2751	GG	CC	1940545984
SNP_P1_261561_2780	NW_004518926.1	Scaffold4551	2780	AA	TT	1940545986
SNP_P1_261562_3741	NW_004518926.1	Scaffold4551	3741	CC	GG	1940545988
SNP_P1_261563_3920	NW_004518926.1	Scaffold4551	3920	AA	TT	1940545990
SNP_P1_261564_5784	NW_004518926.1	Scaffold4551	5784	TT	CC	1940545993
SNP_P1_261565_6094	NW_004518926.1	Scaffold4551	6094	CC	AA	1940545995
SNP_P1_261566_6137	NW_004518926.1	Scaffold4551	6137	TT	CC	1940545997
SNP_P1_261567_6439	NW_004518926.1	Scaffold4551	6439	AA	TT	1940545999
SNP_P1_261568_6929	NW_004518926.1	Scaffold4551	6929	TT	CC	1940546001
SNP_P1_261569_15317	NW_004518926.1	Scaffold4551	15317	GG	CC	1940546003
SNP_P1_261570_16433	NW_004518926.1	Scaffold4551	16433	TT	AA	1940546005
SNP_P1_261571_17106	NW_004518926.1	Scaffold4551	17106	TT	AA	1940546007
SNP_P1_261572_17542	NW_004518926.1	Scaffold4551	17542	TT	AA	1940546009
SNP_P1_261573_17547	NW_004518926.1	Scaffold4551	17547	TT	AA	1940546012
SNP_P1_261574_17556	NW_004518926.1	Scaffold4551	17556	GG	AA	1940546014
SNP_P1_261575_18710	NW_004518926.1	Scaffold4551	18710	CC	GG	1940546016
SNP_P1_261576_18790	NW_004518926.1	Scaffold4551	18790	CC	GG	1940546018
SNP_P1_261577_18832	NW_004518926.1	Scaffold4551	18832	TT	GG	1940546020
SNP_P1_261578_18895	NW_004518926.1	Scaffold4551	18895	TT	AA	1940546022
SNP_P1_261579_18902	NW_004518926.1	Scaffold4551	18902	TT	AA	1940546024
SNP_P1_261580_18972	NW_004518926.1	Scaffold4551	18972	AA	CC	1940546026
SNP_P1_261581_18994	NW_004518926.1	Scaffold4551	18994	CC	TT	1940546028
SNP_P1_261582_19001	NW_004518926.1	Scaffold4551	19001	TT	AA	1940546031
SNP_P1_261583_19006	NW_004518926.1	Scaffold4551	19006	AA	GG	1940546033
SNP_P1_261584_19020	NW_004518926.1	Scaffold4551	19020	GG	TT	1940546035
SNP_P1_261585_19065	NW_004518926.1	Scaffold4551	19065	GG	AA	1940546037
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SNP_P1_261588_19122	NW_004518926.1	Scaffold4551	19122	CC	TT	1940546043
SNP_P1_261589_19154	NW_004518926.1	Scaffold4551	19154	GG	TT	1940546045
SNP_P1_261590_19170	NW_004518926.1	Scaffold4551	19170	CC	GG	1940546047
SNP_P1_261591_19193	NW_004518926.1	Scaffold4551	19193	AA	TT	1940546049
SNP_P1_261592_19213	NW_004518926.1	Scaffold4551	19213	GG	AA	1940546052
SNP_P1_261593_19407	NW_004518926.1	Scaffold4551	19407	TT	AA	1940546054

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261595_19441	NW_004518926.1	Scaffold4551	19441	GG	AA	1940546058
SNP_P1_261596_244	NW_004518930.1	Scaffold4557	244	GG	AA	1940546060
SNP_P1_261597_374	NW_004518930.1	Scaffold4557	374	TT	CC	1940546062
SNP_P1_261598_566	NW_004518930.1	Scaffold4557	566	TT	CC	1940546064
SNP_P1_261599_581	NW_004518930.1	Scaffold4557	581	TT	CC	1940546066
SNP_P1_261600_807	NW_004518930.1	Scaffold4557	807	TT	AA	1940546068
SNP_P1_261601_823	NW_004518930.1	Scaffold4557	823	TT	GG	1940546070
SNP_P1_261602_1425	NW_004518931.1	Scaffold4558	1425	GG	CC	1940546073
SNP_P1_261603_1456	NW_004518931.1	Scaffold4558	1456	GG	TT	1940546075
SNP_P1_261604_2459	NW_004518938.1	Scaffold4570	2459	CC	AA	1940546077
SNP_P1_261605_2590	NW_004518938.1	Scaffold4570	2590	AA	CC	1940546079
SNP_P1_261606_2625	NW_004518938.1	Scaffold4570	2625	CC	GG	1940546081
SNP_P1_261607_5107	NW_004518938.1	Scaffold4570	5107	CC	AA	1940546083
SNP_P1_261608_5109	NW_004518938.1	Scaffold4570	5109	CC	TT	1940546085
SNP_P1_261609_5128	NW_004518938.1	Scaffold4570	5128	GG	AA	1940546087
SNP_P1_261610_5134	NW_004518938.1	Scaffold4570	5134	GG	TT	1940546089
SNP_P1_261611_5139	NW_004518938.1	Scaffold4570	5139	CC	TT	1940546092
SNP_P1_261613_5145	NW_004518938.1	Scaffold4570	5145	GG	AA	1940546094
SNP_P1_261614_5146	NW_004518938.1	Scaffold4570	5146	TT	CC	1940546096
SNP_P1_261615_5154	NW_004518938.1	Scaffold4570	5154	AA	TT	1940546098
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SNP_P1_261617_5161	NW_004518938.1	Scaffold4570	5161	TT	CC	1940546102
SNP_P1_261618_5165	NW_004518938.1	Scaffold4570	5165	GG	AA	1940546104
SNP_P1_261619_7836	NW_004518938.1	Scaffold4570	7836	AA	GG	1940546106
SNP_P1_261620_10540	NW_004518938.1	Scaffold4570	10540	GG	CC	1940546108
SNP_P1_261621_10601	NW_004518938.1	Scaffold4570	10601	TT	CC	1940546110
SNP_P1_261622_10620	NW_004518938.1	Scaffold4570	10620	CC	TT	1940546113
SNP_P1_261623_10631	NW_004518938.1	Scaffold4570	10631	AA	TT	1940546115
SNP_P1_261624_10686	NW_004518938.1	Scaffold4570	10686	AA	GG	1940546117
SNP_P1_261625_114	NW_004518939.1	Scaffold4572	114	TT	GG	1940546119
SNP_P1_261626_187	NW_004518939.1	Scaffold4572	187	CC	TT	1940546121
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SNP_P1_261628_378	NW_004518939.1	Scaffold4572	378	AA	TT	1940546125
SNP_P1_261629_599	NW_004518939.1	Scaffold4572	599	AA	TT	1940546127
SNP_P1_261630_627	NW_004518939.1	Scaffold4572	627	AA	CC	1940546129
SNP_P1_261631_1227	NW_004518939.1	Scaffold4572	1227	CC	TT	1940546131
SNP_P1_261632_1951	NW_004518939.1	Scaffold4572	1951	CC	AA	1940546134
SNP_P1_261633_2000	NW_004518939.1	Scaffold4572	2000	TT	CC	1940546136
SNP_P1_261634_2009	NW_004518939.1	Scaffold4572	2009	GG	TT	1940546138
SNP_P1_261635_2115	NW_004518939.1	Scaffold4572	2115	GG	AA	1940546140
SNP_P1_261636_2116	NW_004518939.1	Scaffold4572	2116	GG	AA	1940546142

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261638_2344	NW_004518939.1	Scaffold4572	2344	CC	AA	1940546146
SNP_P1_261639_2422	NW_004518939.1	Scaffold4572	2422	GG	AA	1940546148
SNP_P1_261640_2438	NW_004518939.1	Scaffold4572	2438	AA	TT	1940546150
SNP_P1_261641_2443	NW_004518939.1	Scaffold4572	2443	AA	CC	1940546152
SNP_P1_261642_3622	NW_004518939.1	Scaffold4572	3622	AA	GG	1940546155
SNP_P1_261643_3732	NW_004518939.1	Scaffold4572	3732	CC	AA	1940546157
SNP_P1_261644_3761	NW_004518939.1	Scaffold4572	3761	AA	GG	1940546159
SNP_P1_261645_3946	NW_004518939.1	Scaffold4572	3946	CC	TT	1940546161
SNP_P1_261646_4049	NW_004518939.1	Scaffold4572	4049	GG	AA	1940546163
SNP_P1_261647_4052	NW_004518939.1	Scaffold4572	4052	GG	AA	1940546165
SNP_P1_261648_5378	NW_004518939.1	Scaffold4572	5378	AA	GG	1940546167
SNP_P1_261649_7685	NW_004518939.1	Scaffold4572	7685	GG	AA	1940546169
SNP_P1_261650_7687	NW_004518939.1	Scaffold4572	7687	GG	AA	1940546171
SNP_P1_261651_8916	NW_004518939.1	Scaffold4572	8916	TT	CC	1940546173
SNP_P1_261652_8952	NW_004518939.1	Scaffold4572	8952	AA	TT	1940546176
SNP_P1_261653_8979	NW_004518939.1	Scaffold4572	8979	GG	CC	1940546178
SNP_P1_261654_8987	NW_004518939.1	Scaffold4572	8987	TT	GG	1940546180
SNP_P1_261655_9323	NW_004518939.1	Scaffold4572	9323	TT	CC	1940546182
SNP_P1_261656_9811	NW_004518939.1	Scaffold4572	9811	TT	AA	1940546184
SNP_P1_261657_10445	NW_004518939.1	Scaffold4572	10445	TT	GG	1940546186
SNP_P1_261658_10463	NW_004518939.1	Scaffold4572	10463	AA	TT	1940546188
SNP_P1_261659_11172	NW_004518940.1	Scaffold4573	11172	GG	AA	1940546190
SNP_P1_261660_11180	NW_004518940.1	Scaffold4573	11180	CC	GG	1940546192
SNP_P1_261661_11210	NW_004518940.1	Scaffold4573	11210	GG	TT	1940546195
SNP_P1_261662_566	NW_004518945.1	Scaffold4578	566	GG	CC	1940546197
SNP_P1_261663_840	NW_004518945.1	Scaffold4578	840	TT	GG	1940546199
SNP_P1_261664_875	NW_004518945.1	Scaffold4578	875	GG	AA	1940546201
SNP_P1_261665_1439	NW_004518945.1	Scaffold4578	1439	GG	CC	1940546203
SNP_P1_261666_1449	NW_004518945.1	Scaffold4578	1449	GG	AA	1940546205
SNP_P1_261668_1070	NW_004518947.1	Scaffold4582	1070	GG	TT	1940546207
SNP_P1_261669_1097	NW_004518947.1	Scaffold4582	1097	AA	TT	1940546209
SNP_P1_261670_1221	NW_004518947.1	Scaffold4582	1221	CC	TT	1940546211
SNP_P1_261671_5888	NW_004518947.1	Scaffold4582	5888	AA	GG	1940546214
SNP_P1_261672_6000	NW_004518947.1	Scaffold4582	6000	GG	TT	1940546216
SNP_P1_261673_6078	NW_004518947.1	Scaffold4582	6078	GG	CC	1940546218
SNP_P1_261674_6119	NW_004518947.1	Scaffold4582	6119	TT	CC	1940546220
SNP_P1_261675_6371	NW_004518947.1	Scaffold4582	6371	AA	CC	1940546222
SNP_P1_261676_6407	NW_004518947.1	Scaffold4582	6407	AA	GG	1940546224
SNP_P1_261677_7072	NW_004518947.1	Scaffold4582	7072	CC	TT	1940546226
SNP_P1_261678_7155	NW_004518947.1	Scaffold4582	7155	AA	TT	1940546228
SNP_P1_261679_7183	NW_004518947.1	Scaffold4582	7183	GG	AA	1940546230

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261681_7220	NW_004518947.1	Scaffold4582	7220	CC	AA	1940546235
SNP_P1_261682_7249	NW_004518947.1	Scaffold4582	7249	CC	AA	1940546237
SNP_P1_261683_7295	NW_004518947.1	Scaffold4582	7295	TT	CC	1940546239
SNP_P1_261684_7403	NW_004518947.1	Scaffold4582	7403	CC	AA	1940546241
SNP_P1_261685_7407	NW_004518947.1	Scaffold4582	7407	CC	TT	1940546243
SNP_P1_261686_7488	NW_004518947.1	Scaffold4582	7488	TT	AA	1940546245
SNP_P1_261687_7492	NW_004518947.1	Scaffold4582	7492	TT	CC	1940546247
SNP_P1_261688_7570	NW_004518947.1	Scaffold4582	7570	TT	CC	1940546249
SNP_P1_261690_7685	NW_004518947.1	Scaffold4582	7685	TT	CC	1940546251
SNP_P1_261691_7692	NW_004518947.1	Scaffold4582	7692	CC	TT	1940546253
SNP_P1_261692_7724	NW_004518947.1	Scaffold4582	7724	TT	CC	1940546256
SNP_P1_261693_7732	NW_004518947.1	Scaffold4582	7732	GG	AA	1940546258
SNP_P1_261694_7803	NW_004518947.1	Scaffold4582	7803	TT	CC	1940546260
SNP_P1_261695_7952	NW_004518947.1	Scaffold4582	7952	AA	GG	1940546262
SNP_P1_261696_7970	NW_004518947.1	Scaffold4582	7970	CC	TT	1940546264
SNP_P1_261697_7979	NW_004518947.1	Scaffold4582	7979	TT	CC	1940546266
SNP_P1_261698_9112	NW_004518947.1	Scaffold4582	9112	GG	TT	1940546268
SNP_P1_261699_9132	NW_004518947.1	Scaffold4582	9132	TT	CC	1940546270
SNP_P1_261700_9294	NW_004518947.1	Scaffold4582	9294	CC	GG	1940546272
SNP_P1_261701_9401	NW_004518947.1	Scaffold4582	9401	CC	GG	1940546275
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SNP_P1_261704_13663	NW_004518947.1	Scaffold4582	13663	AA	CC	1940546281
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SNP_P1_261706_13979	NW_004518947.1	Scaffold4582	13979	AA	GG	1940546285
SNP_P1_261707_355	NW_004518948.1	Scaffold4584	355	CC	TT	1940546287
SNP_P1_261708_357	NW_004518948.1	Scaffold4584	357	GG	AA	1940546289
SNP_P1_261709_39	NW_004518949.1	Scaffold4585	39	GG	CC	1940546291
SNP_P1_261710_69	NW_004518949.1	Scaffold4585	69	AA	TT	1940546293
SNP_P1_261711_3729	NW_004518949.1	Scaffold4585	3729	TT	CC	1940546296
SNP_P1_261712_959	NW_004518955.1	Scaffold4591	959	AA	CC	1940546298
SNP_P1_261713_1281	NW_004518955.1	Scaffold4591	1281	GG	AA	1940546300
SNP_P1_261714_2019	NW_004518955.1	Scaffold4591	2019	CC	AA	1940546302
SNP_P1_261715_2091	NW_004518955.1	Scaffold4591	2091	CC	AA	1940546304
SNP_P1_261716_2555	NW_004518955.1	Scaffold4591	2555	AA	TT	1940546306
SNP_P1_261717_2715	NW_004518955.1	Scaffold4591	2715	GG	TT	1940546308
SNP_P1_261718_2758	NW_004518955.1	Scaffold4591	2758	GG	AA	1940546310
SNP_P1_261719_2909	NW_004518955.1	Scaffold4591	2909	CC	TT	1940546312
SNP_P1_261720_3672	NW_004518955.1	Scaffold4591	3672	CC	TT	1940546314
SNP_P1_261721_3674	NW_004518955.1	Scaffold4591	3674	CC	GG	1940546317
SNP_P1_261722_5389	NW_004518955.1	Scaffold4591	5389	GG	CC	1940546319

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261724_6259	NW_004518955.1	Scaffold4591	6259	CC	GG	1940546323
SNP_P1_261725_6267	NW_004518955.1	Scaffold4591	6267	AA	CC	1940546325
SNP_P1_261726_6317	NW_004518955.1	Scaffold4591	6317	CC	TT	1940546327
SNP_P1_261727_6397	NW_004518955.1	Scaffold4591	6397	AA	TT	1940546329
SNP_P1_261728_6521	NW_004518955.1	Scaffold4591	6521	TT	AA	1940546331
SNP_P1_261729_6723	NW_004518955.1	Scaffold4591	6723	AA	GG	1940546333
SNP_P1_261730_7048	NW_004518955.1	Scaffold4591	7048	TT	CC	1940546335
SNP_P1_261731_1275	NW_004518956.1	Scaffold4592	1275	AA	CC	1940546338
SNP_P1_261732_1341	NW_004518956.1	Scaffold4592	1341	AA	TT	1940546340
SNP_P1_261733_393	NW_004518957.1	Scaffold4593	393	TT	CC	1940546342
SNP_P1_261734_5460	NW_004518960.1	Scaffold4598	5460	GG	AA	1940546344
SNP_P1_261735_5497	NW_004518960.1	Scaffold4598	5497	CC	TT	1940546346
SNP_P1_261736_539	NW_004518962.1	Scaffold4600	539	GG	AA	1940546348
SNP_P1_261737_905	NW_004518962.1	Scaffold4600	905	AA	TT	1940546350
SNP_P1_261738_1074	NW_004518962.1	Scaffold4600	1074	AA	GG	1940546352
SNP_P1_261739_1308	NW_004518962.1	Scaffold4600	1308	GG	TT	1940546354
SNP_P1_261740_1495	NW_004518962.1	Scaffold4600	1495	CC	TT	1940546357
SNP_P1_261741_1650	NW_004518962.1	Scaffold4600	1650	AA	GG	1940546359
SNP_P1_261742_1825	NW_004518962.1	Scaffold4600	1825	GG	TT	1940546361
SNP_P1_261743_1950	NW_004518962.1	Scaffold4600	1950	GG	CC	1940546363
SNP_P1_261744_3081	NW_004518962.1	Scaffold4600	3081	AA	CC	1940546365
SNP_P1_261745_3178	NW_004518962.1	Scaffold4600	3178	AA	TT	1940546367
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SNP_P1_261747_5600	NW_004518963.1	Scaffold4602	5600	GG	AA	1940546371
SNP_P1_261748_7374	NW_004518963.1	Scaffold4602	7374	AA	GG	1940546373
SNP_P1_261749_7400	NW_004518963.1	Scaffold4602	7400	GG	AA	1940546375
SNP_P1_261750_7744	NW_004518963.1	Scaffold4602	7744	AA	GG	1940546378
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SNP_P1_261753_7780	NW_004518963.1	Scaffold4602	7780	TT	CC	1940546384
SNP_P1_261754_7826	NW_004518963.1	Scaffold4602	7826	TT	CC	1940546386
SNP_P1_261755_7878	NW_004518963.1	Scaffold4602	7878	AA	GG	1940546388
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SNP_P1_261758_8250	NW_004518963.1	Scaffold4602	8250	CC	TT	1940546394
SNP_P1_261759_8256	NW_004518963.1	Scaffold4602	8256	GG	AA	1940546396
SNP_P1_261760_8280	NW_004518963.1	Scaffold4602	8280	CC	TT	1940546399
SNP_P1_261761_10115	NW_004518963.1	Scaffold4602	10115	AA	GG	1940546401
SNP_P1_261762_19323	NW_004518963.1	Scaffold4602	19323	TT	AA	1940546403
SNP_P1_261763_19335	NW_004518963.1	Scaffold4602	19335	GG	AA	1940546405
SNP_P1_261764_19339	NW_004518963.1	Scaffold4602	19339	CC	GG	1940546407

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261767_25471	NW_004518963.1	Scaffold4602	25471	GG	AA	1940546413
SNP_P1_261768_25475	NW_004518963.1	Scaffold4602	25475	GG	TT	1940546415
SNP_P1_261769_25489	NW_004518963.1	Scaffold4602	25489	CC	TT	1940546418
SNP_P1_261770_97	NW_004518965.1	Scaffold4605	97	CC	AA	1940546420
SNP_P1_261771_17063	NW_004518965.1	Scaffold4605	17063	TT	AA	1940546422
SNP_P1_261772_17103	NW_004518965.1	Scaffold4605	17103	AA	CC	1940546424
SNP_P1_261773_17112	NW_004518965.1	Scaffold4605	17112	AA	CC	1940546426
SNP_P1_261774_17113	NW_004518965.1	Scaffold4605	17113	GG	AA	1940546428
SNP_P1_261775_17131	NW_004518965.1	Scaffold4605	17131	AA	GG	1940546430
SNP_P1_261776_21790	NW_004518965.1	Scaffold4605	21790	GG	AA	1940546432
SNP_P1_261777_21853	NW_004518965.1	Scaffold4605	21853	TT	GG	1940546434
SNP_P1_261778_22248	NW_004518965.1	Scaffold4605	22248	GG	CC	1940546436
SNP_P1_261779_22955	NW_004518965.1	Scaffold4605	22955	GG	AA	1940546439
SNP_P1_261780_23232	NW_004518965.1	Scaffold4605	23232	GG	CC	1940546441
SNP_P1_261781_24378	NW_004518965.1	Scaffold4605	24378	TT	GG	1940546443
SNP_P1_261782_24417	NW_004518965.1	Scaffold4605	24417	GG	AA	1940546445
SNP_P1_261783_24611	NW_004518965.1	Scaffold4605	24611	CC	GG	1940546447
SNP_P1_261784_24769	NW_004518965.1	Scaffold4605	24769	AA	GG	1940546449
SNP_P1_261786_24879	NW_004518965.1	Scaffold4605	24879	TT	AA	1940546451
SNP_P1_261787_24934	NW_004518965.1	Scaffold4605	24934	TT	AA	1940546453
SNP_P1_261788_24970	NW_004518965.1	Scaffold4605	24970	CC	AA	1940546455
SNP_P1_261789_25104	NW_004518965.1	Scaffold4605	25104	AA	TT	1940546458
SNP_P1_261790_25139	NW_004518965.1	Scaffold4605	25139	TT	GG	1940546460
SNP_P1_261791_25353	NW_004518965.1	Scaffold4605	25353	AA	CC	1940546462
SNP_P1_261792_4154	NW_004518966.1	Scaffold4607	4154	TT	CC	1940546464
SNP_P1_261793_4381	NW_004518966.1	Scaffold4607	4381	TT	CC	1940546466
SNP_P1_261794_4387	NW_004518966.1	Scaffold4607	4387	CC	AA	1940546468
SNP_P1_261795_4448	NW_004518966.1	Scaffold4607	4448	CC	GG	1940546470
SNP_P1_261796_4464	NW_004518966.1	Scaffold4607	4464	AA	TT	1940546472
SNP_P1_261797_15	NW_004518971.1	Scaffold4616	15	CC	GG	1940546474
SNP_P1_261798_72	NW_004518971.1	Scaffold4616	72	GG	AA	1940546476
SNP_P1_261799_2569	NW_004518972.1	Scaffold4620	2569	CC	AA	1940546479
SNP_P1_261800_70	NW_004518973.1	Scaffold4621	70	AA	GG	1940546481
SNP_P1_261801_71	NW_004518973.1	Scaffold4621	71	AA	GG	1940546483
SNP_P1_261802_321	NW_004518978.1	Scaffold4628	321	TT	CC	1940546485
SNP_P1_261803_511	NW_004518978.1	Scaffold4628	511	GG	TT	1940546487
SNP_P1_261804_560	NW_004518978.1	Scaffold4628	560	TT	CC	1940546489
SNP_P1_261805_5944	NW_004518979.1	Scaffold4629	5944	TT	AA	1940546491
SNP_P1_261806_5947	NW_004518979.1	Scaffold4629	5947	CC	TT	1940546493
SNP_P1_261807_5975	NW_004518979.1	Scaffold4629	5975	GG	AA	1940546495

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261809_6055	NW_004518979.1	Scaffold4629	6055	GG	AA	1940546500
SNP_P1_261810_6093	NW_004518979.1	Scaffold4629	6093	GG	AA	1940546502
SNP_P1_261811_6094	NW_004518979.1	Scaffold4629	6094	CC	TT	1940546504
SNP_P1_261812_6133	NW_004518979.1	Scaffold4629	6133	GG	CC	1940546506
SNP_P1_261813_6140	NW_004518979.1	Scaffold4629	6140	AA	GG	1940546508
SNP_P1_261814_6204	NW_004518979.1	Scaffold4629	6204	GG	AA	1940546510
SNP_P1_261815_6336	NW_004518979.1	Scaffold4629	6336	AA	CC	1940546512
SNP_P1_261816_6379	NW_004518979.1	Scaffold4629	6379	CC	AA	1940546514
SNP_P1_261817_6395	NW_004518979.1	Scaffold4629	6395	CC	TT	1940546516
SNP_P1_261818_6397	NW_004518979.1	Scaffold4629	6397	AA	GG	1940546519
SNP_P1_261819_1284	NW_004518981.1	Scaffold4633	1284	CC	TT	1940546521
SNP_P1_261820_1435	NW_004518981.1	Scaffold4633	1435	AA	CC	1940546523
SNP_P1_261821_1618	NW_004518981.1	Scaffold4633	1618	AA	GG	1940546525
SNP_P1_261822_1784	NW_004518981.1	Scaffold4633	1784	TT	CC	1940546527
SNP_P1_261823_1821	NW_004518981.1	Scaffold4633	1821	AA	GG	1940546529
SNP_P1_261824_1887	NW_004518981.1	Scaffold4633	1887	AA	CC	1940546531
SNP_P1_261825_1910	NW_004518981.1	Scaffold4633	1910	GG	AA	1940546533
SNP_P1_261826_485	NW_004518982.1	Scaffold4634	485	TT	GG	1940546535
SNP_P1_261827_1324	NW_004518982.1	Scaffold4634	1324	CC	GG	1940546537
SNP_P1_261828_1343	NW_004518982.1	Scaffold4634	1343	GG	AA	1940546540
SNP_P1_261829_1347	NW_004518982.1	Scaffold4634	1347	GG	AA	1940546542
SNP_P1_261830_1369	NW_004518982.1	Scaffold4634	1369	CC	TT	1940546544
SNP_P1_261831_1418	NW_004518982.1	Scaffold4634	1418	AA	CC	1940546546
SNP_P1_261833_1607	NW_004518982.1	Scaffold4634	1607	CC	AA	1940546548
SNP_P1_261834_1615	NW_004518982.1	Scaffold4634	1615	AA	GG	1940546550
SNP_P1_261835_6024	NW_004518982.1	Scaffold4634	6024	GG	TT	1940546552
SNP_P1_261836_6299	NW_004518982.1	Scaffold4634	6299	CC	AA	1940546554
SNP_P1_261837_6338	NW_004518982.1	Scaffold4634	6338	CC	TT	1940546556
SNP_P1_261840_7083	NW_004518982.1	Scaffold4634	7083	AA	TT	1940546559
SNP_P1_261841_3130	NW_004518983.1	Scaffold4635	3130	CC	TT	1940546561
SNP_P1_261842_3156	NW_004518983.1	Scaffold4635	3156	TT	GG	1940546563
SNP_P1_261843_3172	NW_004518983.1	Scaffold4635	3172	GG	CC	1940546565
SNP_P1_261844_3178	NW_004518983.1	Scaffold4635	3178	AA	GG	1940546567
SNP_P1_261845_3578	NW_004518983.1	Scaffold4635	3578	CC	TT	1940546569
SNP_P1_261846_3935	NW_004518983.1	Scaffold4635	3935	GG	TT	1940546571
SNP_P1_261847_729	NW_004518986.1	Scaffold4638	729	AA	TT	1940546573
SNP_P1_261848_774	NW_004518986.1	Scaffold4638	774	GG	AA	1940546575
SNP_P1_261849_795	NW_004518986.1	Scaffold4638	795	TT	CC	1940546577
SNP_P1_261850_913	NW_004518986.1	Scaffold4638	913	GG	TT	1940546580
SNP_P1_261851_927	NW_004518986.1	Scaffold4638	927	AA	TT	1940546582
SNP_P1_261852_998	NW_004518986.1	Scaffold4638	998	TT	CC	1940546584

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261854_918	NW_004518989.1	Scaffold4642	918	CC	GG	1940546588
SNP_P1_261855_1037	NW_004518989.1	Scaffold4642	1037	CC	TT	1940546590
SNP_P1_261856_1070	NW_004518989.1	Scaffold4642	1070	GG	CC	1940546592
SNP_P1_261857_1247	NW_004518989.1	Scaffold4642	1247	GG	TT	1940546594
SNP_P1_261858_1276	NW_004518989.1	Scaffold4642	1276	CC	TT	1940546596
SNP_P1_261859_1295	NW_004518989.1	Scaffold4642	1295	AA	CC	1940546598
SNP_P1_261860_1781	NW_004518989.1	Scaffold4642	1781	CC	TT	1940546601
SNP_P1_261861_1977	NW_004518989.1	Scaffold4642	1977	AA	TT	1940546603
SNP_P1_261862_3141	NW_004518989.1	Scaffold4642	3141	AA	CC	1940546605
SNP_P1_261863_3352	NW_004518989.1	Scaffold4642	3352	CC	TT	1940546607
SNP_P1_261864_24110	NW_004518990.1	Scaffold4643	24110	GG	AA	1940546609
SNP_P1_261865_24561	NW_004518990.1	Scaffold4643	24561	AA	TT	1940546611
SNP_P1_261866_24581	NW_004518990.1	Scaffold4643	24581	TT	CC	1940546613
SNP_P1_261867_24629	NW_004518990.1	Scaffold4643	24629	CC	TT	1940546615
SNP_P1_261869_53533	NW_004518990.1	Scaffold4643	53533	CC	TT	1940546617
SNP_P1_261870_72433	NW_004518990.1	Scaffold4643	72433	CC	TT	1940546620
SNP_P1_261871_360	NW_004518992.1	Scaffold4647	360	AA	TT	1940546622
SNP_P1_261872_361	NW_004518992.1	Scaffold4647	361	CC	TT	1940546624
SNP_P1_261873_371	NW_004518992.1	Scaffold4647	371	CC	AA	1940546626
SNP_P1_261874_376	NW_004518992.1	Scaffold4647	376	TT	AA	1940546628
SNP_P1_261875_427	NW_004518992.1	Scaffold4647	427	CC	AA	1940546630
SNP_P1_261876_437	NW_004518992.1	Scaffold4647	437	TT	CC	1940546632
SNP_P1_261877_639	NW_004518992.1	Scaffold4647	639	TT	CC	1940546634
SNP_P1_261878_1190	NW_004518992.1	Scaffold4647	1190	TT	CC	1940546636
SNP_P1_261879_1195	NW_004518992.1	Scaffold4647	1195	GG	AA	1940546638
SNP_P1_261880_1464	NW_004518992.1	Scaffold4647	1464	CC	TT	1940546641
SNP_P1_261881_1485	NW_004518992.1	Scaffold4647	1485	AA	GG	1940546643
SNP_P1_261882_1765	NW_004518992.1	Scaffold4647	1765	TT	GG	1940546645
SNP_P1_261883_2040	NW_004518992.1	Scaffold4647	2040	TT	AA	1940546647
SNP_P1_261884_2494	NW_004518992.1	Scaffold4647	2494	AA	TT	1940546649
SNP_P1_261885_2502	NW_004518992.1	Scaffold4647	2502	GG	AA	1940546651
SNP_P1_261886_2555	NW_004518992.1	Scaffold4647	2555	GG	CC	1940546653
SNP_P1_261887_2747	NW_004518992.1	Scaffold4647	2747	GG	AA	1940546655
SNP_P1_261888_2768	NW_004518992.1	Scaffold4647	2768	GG	AA	1940546657
SNP_P1_261889_2774	NW_004518992.1	Scaffold4647	2774	CC	GG	1940546660
SNP_P1_261890_2823	NW_004518992.1	Scaffold4647	2823	CC	TT	1940546662
SNP_P1_261891_5492	NW_004518992.1	Scaffold4647	5492	AA	TT	1940546664
SNP_P1_261892_6806	NW_004518992.1	Scaffold4647	6806	CC	TT	1940546666
SNP_P1_261893_90	NW_004518994.1	Scaffold4651	90	GG	AA	1940546668
SNP_P1_261894_122	NW_004518994.1	Scaffold4651	122	AA	GG	1940546670
SNP_P1_261895_595	NW_004518994.1	Scaffold4651	595	AA	GG	1940546672

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261897_779	NW_004518996.1	Scaffold4654	779	GG	TT	1940546676
SNP_P1_261898_1075	NW_004518996.1	Scaffold4654	1075	AA	TT	1940546678
SNP_P1_261899_27878	NW_004519000.1	Scaffold4662	27878	CC	AA	1940546681
SNP_P1_261900_27903	NW_004519000.1	Scaffold4662	27903	CC	TT	1940546683
SNP_P1_261902_28460	NW_004519000.1	Scaffold4662	28460	TT	GG	1940546685
SNP_P1_261903_28550	NW_004519000.1	Scaffold4662	28550	AA	GG	1940546687
SNP_P1_261904_28946	NW_004519000.1	Scaffold4662	28946	TT	CC	1940546689
SNP_P1_261905_28973	NW_004519000.1	Scaffold4662	28973	TT	AA	1940546691
SNP_P1_261906_29233	NW_004519000.1	Scaffold4662	29233	TT	CC	1940546693
SNP_P1_261907_29249	NW_004519000.1	Scaffold4662	29249	TT	CC	1940546695
SNP_P1_261908_29265	NW_004519000.1	Scaffold4662	29265	CC	TT	1940546697
SNP_P1_261909_29775	NW_004519000.1	Scaffold4662	29775	CC	TT	1940546700
SNP_P1_261910_30025	NW_004519000.1	Scaffold4662	30025	AA	GG	1940546702
SNP_P1_261911_30084	NW_004519000.1	Scaffold4662	30084	TT	CC	1940546704
SNP_P1_261912_30148	NW_004519000.1	Scaffold4662	30148	GG	CC	1940546706
SNP_P1_261913_30216	NW_004519000.1	Scaffold4662	30216	CC	TT	1940546708
SNP_P1_261914_45958	NW_004519000.1	Scaffold4662	45958	TT	AA	1940546710
SNP_P1_261915_1978	NW_004519004.1	Scaffold4668	1978	CC	AA	1940546712
SNP_P1_261916_4831	NW_004519004.1	Scaffold4668	4831	TT	CC	1940546714
SNP_P1_261917_4909	NW_004519004.1	Scaffold4668	4909	AA	GG	1940546716
SNP_P1_261918_5123	NW_004519004.1	Scaffold4668	5123	CC	GG	1940546718
SNP_P1_261919_5205	NW_004519004.1	Scaffold4668	5205	GG	CC	1940546721
SNP_P1_261920_5643	NW_004519004.1	Scaffold4668	5643	GG	AA	1940546723
SNP_P1_261921_8374	NW_004519008.1	Scaffold4673	8374	CC	TT	1940546725
SNP_P1_261922_8386	NW_004519008.1	Scaffold4673	8386	CC	TT	1940546727
SNP_P1_261923_8978	NW_004519008.1	Scaffold4673	8978	AA	GG	1940546729
SNP_P1_261924_13304	NW_004519008.1	Scaffold4673	13304	TT	CC	1940546731
SNP_P1_261925_13340	NW_004519008.1	Scaffold4673	13340	GG	AA	1940546733
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SNP_P1_261927_14242	NW_004519008.1	Scaffold4673	14242	TT	CC	1940546737
SNP_P1_261928_14549	NW_004519008.1	Scaffold4673	14549	AA	GG	1940546740
SNP_P1_261929_14987	NW_004519008.1	Scaffold4673	14987	CC	TT	1940546742
SNP_P1_261930_19788	NW_004519008.1	Scaffold4673	19788	CC	TT	1940546744
SNP_P1_261931_20155	NW_004519008.1	Scaffold4673	20155	AA	GG	1940546746
SNP_P1_261932_20174	NW_004519008.1	Scaffold4673	20174	GG	AA	1940546748
SNP_P1_261933_20243	NW_004519008.1	Scaffold4673	20243	CC	TT	1940546750
SNP_P1_261934_20547	NW_004519008.1	Scaffold4673	20547	GG	AA	1940546752
SNP_P1_261935_20787	NW_004519008.1	Scaffold4673	20787	AA	GG	1940546754
SNP_P1_261936_20806	NW_004519008.1	Scaffold4673	20806	GG	AA	1940546756
SNP_P1_261937_958	NW_004519011.1	Scaffold4679	958	TT	AA	1940546758
SNP_P1_261938_978	NW_004519011.1	Scaffold4679	978	AA	GG	1940546761

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261940_1051	NW_004519011.1	Scaffold4679	1051	GG	AA	1940546765
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SNP_P1_261942_1076	NW_004519011.1	Scaffold4679	1076	AA	GG	1940546769
SNP_P1_261943_24	NW_004519018.1	Scaffold4692	24	GG	AA	1940546771
SNP_P1_261944_39	NW_004519018.1	Scaffold4692	39	GG	AA	1940546773
SNP_P1_261945_64	NW_004519018.1	Scaffold4692	64	GG	AA	1940546775
SNP_P1_261946_69	NW_004519018.1	Scaffold4692	69	GG	AA	1940546777
SNP_P1_261947_123	NW_004519018.1	Scaffold4692	123	AA	GG	1940546780
SNP_P1_261948_168	NW_004519018.1	Scaffold4692	168	AA	TT	1940546782
SNP_P1_261949_399	NW_004519018.1	Scaffold4692	399	AA	TT	1940546784
SNP_P1_261950_456	NW_004519018.1	Scaffold4692	456	AA	GG	1940546786
SNP_P1_261951_529	NW_004519018.1	Scaffold4692	529	CC	GG	1940546788
SNP_P1_261952_578	NW_004519018.1	Scaffold4692	578	GG	TT	1940546790
SNP_P1_261953_369	NW_004519019.1	Scaffold4693	369	CC	TT	1940546792
SNP_P1_261954_433	NW_004519019.1	Scaffold4693	433	GG	TT	1940546794
SNP_P1_261955_434	NW_004519019.1	Scaffold4693	434	TT	AA	1940546796
SNP_P1_261956_435	NW_004519019.1	Scaffold4693	435	GG	AA	1940546798
SNP_P1_261957_448	NW_004519019.1	Scaffold4693	448	GG	AA	1940546801
SNP_P1_261958_475	NW_004519019.1	Scaffold4693	475	CC	TT	1940546803
SNP_P1_261959_158	NW_004519020.1	Scaffold4695	158	CC	AA	1940546805
SNP_P1_261960_435	NW_004519020.1	Scaffold4695	435	CC	TT	1940546807
SNP_P1_261961_449	NW_004519020.1	Scaffold4695	449	GG	AA	1940546809
SNP_P1_261962_602	NW_004519020.1	Scaffold4695	602	CC	AA	1940546811
SNP_P1_261963_625	NW_004519020.1	Scaffold4695	625	CC	TT	1940546813
SNP_P1_261964_640	NW_004519020.1	Scaffold4695	640	AA	GG	1940546815
SNP_P1_261965_676	NW_004519020.1	Scaffold4695	676	TT	CC	1940546817
SNP_P1_261966_776	NW_004519020.1	Scaffold4695	776	TT	CC	1940546820
SNP_P1_261968_5600	NW_004519020.1	Scaffold4695	5600	AA	GG	1940546822
SNP_P1_261969_5643	NW_004519020.1	Scaffold4695	5643	TT	GG	1940546824
SNP_P1_261970_5681	NW_004519020.1	Scaffold4695	5681	TT	GG	1940546826
SNP_P1_261973_8216	NW_004519021.1	Scaffold4696	8216	CC	TT	1940546828
SNP_P1_261974_400	NW_004519025.1	Scaffold4702	400	GG	TT	1940546830
SNP_P1_261975_428	NW_004519025.1	Scaffold4702	428	AA	TT	1940546832
SNP_P1_261976_823	NW_004519025.1	Scaffold4702	823	GG	TT	1940546834
SNP_P1_261977_1072	NW_004519025.1	Scaffold4702	1072	CC	AA	1940546836
SNP_P1_261978_1081	NW_004519025.1	Scaffold4702	1081	TT	CC	1940546838
SNP_P1_261979_346	NW_004519028.1	Scaffold4708	346	TT	GG	1940546841
SNP_P1_261980_708	NW_004519028.1	Scaffold4708	708	TT	CC	1940546843
SNP_P1_261981_760	NW_004519028.1	Scaffold4708	760	CC	TT	1940546845
SNP_P1_261982_938	NW_004519028.1	Scaffold4708	938	CC	TT	1940546847
SNP_P1_261983_1085	NW_004519028.1	Scaffold4708	1085	AA	GG	1940546849

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_261986_3260	NW_004519028.1	Scaffold4708	3260	CC	TT	1940546855
SNP_P1_261987_3428	NW_004519028.1	Scaffold4708	3428	CC	TT	1940546857
SNP_P1_261988_3435	NW_004519028.1	Scaffold4708	3435	AA	CC	1940546860
SNP_P1_261989_6624	NW_004519028.1	Scaffold4708	6624	TT	AA	1940546862
SNP_P1_261990_6785	NW_004519028.1	Scaffold4708	6785	TT	AA	1940546864
SNP_P1_261991_6882	NW_004519028.1	Scaffold4708	6882	TT	AA	1940546866
SNP_P1_261992_14520	NW_004519028.1	Scaffold4708	14520	TT	CC	1940546868
SNP_P1_261993_14533	NW_004519028.1	Scaffold4708	14533	TT	CC	1940546870
SNP_P1_261994_14628	NW_004519028.1	Scaffold4708	14628	TT	CC	1940546872
SNP_P1_261995_14687	NW_004519028.1	Scaffold4708	14687	CC	GG	1940546874
SNP_P1_261996_14850	NW_004519028.1	Scaffold4708	14850	TT	GG	1940546876
SNP_P1_261997_15063	NW_004519028.1	Scaffold4708	15063	CC	TT	1940546878
SNP_P1_261998_15172	NW_004519028.1	Scaffold4708	15172	CC	TT	1940546881
SNP_P1_261999_17627	NW_004519028.1	Scaffold4708	17627	TT	CC	1940546883
SNP_P1_262000_17681	NW_004519028.1	Scaffold4708	17681	GG	AA	1940546885
SNP_P1_262001_17707	NW_004519028.1	Scaffold4708	17707	GG	AA	1940546887
SNP_P1_262002_17817	NW_004519028.1	Scaffold4708	17817	TT	CC	1940546889
SNP_P1_262003_17830	NW_004519028.1	Scaffold4708	17830	TT	AA	1940546891
SNP_P1_262004_19333	NW_004519028.1	Scaffold4708	19333	TT	CC	1940546893
SNP_P1_262005_19807	NW_004519028.1	Scaffold4708	19807	TT	AA	1940546895
SNP_P1_262006_19966	NW_004519028.1	Scaffold4708	19966	TT	AA	1940546897
SNP_P1_262007_20363	NW_004519028.1	Scaffold4708	20363	AA	GG	1940546900
SNP_P1_262008_20741	NW_004519028.1	Scaffold4708	20741	CC	AA	1940546902
SNP_P1_262009_20812	NW_004519028.1	Scaffold4708	20812	TT	GG	1940546904
SNP_P1_262010_20860	NW_004519028.1	Scaffold4708	20860	TT	CC	1940546906
SNP_P1_262012_20959	NW_004519028.1	Scaffold4708	20959	AA	TT	1940546908
SNP_P1_262013_21034	NW_004519028.1	Scaffold4708	21034	AA	GG	1940546910
SNP_P1_262014_21049	NW_004519028.1	Scaffold4708	21049	AA	GG	1940546912
SNP_P1_262015_21098	NW_004519028.1	Scaffold4708	21098	GG	AA	1940546914
SNP_P1_262016_21118	NW_004519028.1	Scaffold4708	21118	CC	AA	1940546916
SNP_P1_262017_21500	NW_004519028.1	Scaffold4708	21500	AA	GG	1940546919
SNP_P1_262018_21554	NW_004519028.1	Scaffold4708	21554	TT	CC	1940546921
SNP_P1_262019_21582	NW_004519028.1	Scaffold4708	21582	TT	CC	1940546923
SNP_P1_262020_21809	NW_004519028.1	Scaffold4708	21809	TT	CC	1940546925
SNP_P1_262021_22095	NW_004519028.1	Scaffold4708	22095	TT	CC	1940546927
SNP_P1_262022_22212	NW_004519028.1	Scaffold4708	22212	TT	CC	1940546929
SNP_P1_262023_22500	NW_004519028.1	Scaffold4708	22500	AA	CC	1940546931
SNP_P1_262024_22615	NW_004519028.1	Scaffold4708	22615	AA	GG	1940546933
SNP_P1_262025_22616	NW_004519028.1	Scaffold4708	22616	GG	AA	1940546935
SNP_P1_262026_22625	NW_004519028.1	Scaffold4708	22625	GG	AA	1940546937

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262028_28606	NW_004519028.1	Scaffold4708	28606	CC	TT	1940546942
SNP_P1_262029_28686	NW_004519028.1	Scaffold4708	28686	TT	GG	1940546944
SNP_P1_262030_28737	NW_004519028.1	Scaffold4708	28737	TT	GG	1940546946
SNP_P1_262031_446	NW_004519031.1	Scaffold4711	446	TT	GG	1940546948
SNP_P1_262032_505	NW_004519031.1	Scaffold4711	505	AA	TT	1940546950
SNP_P1_262033_679	NW_004519031.1	Scaffold4711	679	TT	CC	1940546952
SNP_P1_262034_680	NW_004519031.1	Scaffold4711	680	TT	CC	1940546954
SNP_P1_262035_1106	NW_004519031.1	Scaffold4711	1106	GG	TT	1940546956
SNP_P1_262036_1111	NW_004519031.1	Scaffold4711	1111	TT	AA	1940546959
SNP_P1_262037_1116	NW_004519031.1	Scaffold4711	1116	GG	AA	1940546961
SNP_P1_262038_1423	NW_004519031.1	Scaffold4711	1423	TT	CC	1940546963
SNP_P1_262039_1499	NW_004519031.1	Scaffold4711	1499	AA	GG	1940546965
SNP_P1_262040_1790	NW_004519031.1	Scaffold4711	1790	AA	TT	1940546967
SNP_P1_262041_1838	NW_004519031.1	Scaffold4711	1838	CC	AA	1940546969
SNP_P1_262042_2353	NW_004519031.1	Scaffold4711	2353	AA	TT	1940546971
SNP_P1_262043_2359	NW_004519031.1	Scaffold4711	2359	GG	AA	1940546973
SNP_P1_262044_2396	NW_004519031.1	Scaffold4711	2396	CC	AA	1940546975
SNP_P1_262045_2532	NW_004519031.1	Scaffold4711	2532	TT	CC	1940546977
SNP_P1_262046_2611	NW_004519031.1	Scaffold4711	2611	AA	GG	1940546980
SNP_P1_262047_2646	NW_004519031.1	Scaffold4711	2646	CC	TT	1940546982
SNP_P1_262048_2772	NW_004519031.1	Scaffold4711	2772	TT	GG	1940546984
SNP_P1_262049_2812	NW_004519031.1	Scaffold4711	2812	TT	CC	1940546986
SNP_P1_262050_2828	NW_004519031.1	Scaffold4711	2828	TT	GG	1940546988
SNP_P1_262051_2977	NW_004519031.1	Scaffold4711	2977	GG	AA	1940546990
SNP_P1_262052_3005	NW_004519031.1	Scaffold4711	3005	CC	GG	1940546992
SNP_P1_262053_3097	NW_004519031.1	Scaffold4711	3097	GG	AA	1940546994
SNP_P1_262054_3115	NW_004519031.1	Scaffold4711	3115	AA	CC	1940546996
SNP_P1_262055_3637	NW_004519031.1	Scaffold4711	3637	GG	AA	1940546999
SNP_P1_262056_3638	NW_004519031.1	Scaffold4711	3638	TT	AA	1940547001
SNP_P1_262057_3653	NW_004519031.1	Scaffold4711	3653	TT	GG	1940547003
SNP_P1_262058_4274	NW_004519031.1	Scaffold4711	4274	TT	CC	1940547005
SNP_P1_262059_4569	NW_004519031.1	Scaffold4711	4569	AA	GG	1940547007
SNP_P1_262060_4854	NW_004519031.1	Scaffold4711	4854	TT	AA	1940547009
SNP_P1_262062_5841	NW_004519031.1	Scaffold4711	5841	TT	AA	1940547011
SNP_P1_262063_5845	NW_004519031.1	Scaffold4711	5845	GG	TT	1940547013
SNP_P1_262064_5997	NW_004519031.1	Scaffold4711	5997	CC	AA	1940547015
SNP_P1_262065_6115	NW_004519031.1	Scaffold4711	6115	GG	TT	1940547017
SNP_P1_262067_6510	NW_004519031.1	Scaffold4711	6510	CC	GG	1940547020
SNP_P1_262068_6560	NW_004519031.1	Scaffold4711	6560	TT	AA	1940547022
SNP_P1_262069_8118	NW_004519031.1	Scaffold4711	8118	AA	CC	1940547024
SNP_P1_262070_8226	NW_004519031.1	Scaffold4711	8226	CC	TT	1940547026

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262072_8998	NW_004519031.1	Scaffold4711	8998	TT	GG	1940547030
SNP_P1_262074_9256	NW_004519031.1	Scaffold4711	9256	CC	TT	1940547032
SNP_P1_262075_9277	NW_004519031.1	Scaffold4711	9277	TT	AA	1940547034
SNP_P1_262076_9284	NW_004519031.1	Scaffold4711	9284	GG	CC	1940547036
SNP_P1_262077_9292	NW_004519031.1	Scaffold4711	9292	TT	GG	1940547038
SNP_P1_262078_9416	NW_004519031.1	Scaffold4711	9416	AA	GG	1940547041
SNP_P1_262079_9475	NW_004519031.1	Scaffold4711	9475	TT	AA	1940547043
SNP_P1_262080_9479	NW_004519031.1	Scaffold4711	9479	CC	TT	1940547045
SNP_P1_262081_9512	NW_004519031.1	Scaffold4711	9512	CC	GG	1940547047
SNP_P1_262082_9551	NW_004519031.1	Scaffold4711	9551	AA	GG	1940547049
SNP_P1_262083_9557	NW_004519031.1	Scaffold4711	9557	TT	CC	1940547051
SNP_P1_262084_9715	NW_004519031.1	Scaffold4711	9715	TT	CC	1940547053
SNP_P1_262085_9745	NW_004519031.1	Scaffold4711	9745	CC	GG	1940547055
SNP_P1_262086_10907	NW_004519031.1	Scaffold4711	10907	CC	TT	1940547057
SNP_P1_262088_554	NW_004519037.1	Scaffold4718	554	TT	GG	1940547060
SNP_P1_262089_985	NW_004519039.1	Scaffold4720	985	TT	GG	1940547062
SNP_P1_262090_4414	NW_004519039.1	Scaffold4720	4414	CC	TT	1940547064
SNP_P1_262091_4432	NW_004519039.1	Scaffold4720	4432	CC	TT	1940547066
SNP_P1_262092_4463	NW_004519039.1	Scaffold4720	4463	AA	CC	1940547068
SNP_P1_262093_4469	NW_004519039.1	Scaffold4720	4469	GG	AA	1940547070
SNP_P1_262094_239	NW_004519044.1	Scaffold4726	239	GG	TT	1940547072
SNP_P1_262095_260	NW_004519044.1	Scaffold4726	260	GG	AA	1940547074
SNP_P1_262096_266	NW_004519044.1	Scaffold4726	266	AA	GG	1940547076
SNP_P1_262098_546	NW_004519044.1	Scaffold4726	546	TT	CC	1940547078
SNP_P1_262099_550	NW_004519044.1	Scaffold4726	550	AA	TT	1940547081
SNP_P1_262100_566	NW_004519044.1	Scaffold4726	566	CC	TT	1940547083
SNP_P1_262101_664	NW_004519048.1	Scaffold4731	664	TT	CC	1940547085
SNP_P1_262102_721	NW_004519048.1	Scaffold4731	721	AA	GG	1940547087
SNP_P1_262103_852	NW_004519048.1	Scaffold4731	852	TT	AA	1940547089
SNP_P1_262104_924	NW_004519048.1	Scaffold4731	924	CC	TT	1940547091
SNP_P1_262105_1215	NW_004519048.1	Scaffold4731	1215	GG	CC	1940547093
SNP_P1_262107_180	NW_004519049.1	Scaffold4733	180	TT	CC	1940547095
SNP_P1_262108_240	NW_004519049.1	Scaffold4733	240	TT	CC	1940547097
SNP_P1_262109_273	NW_004519049.1	Scaffold4733	273	CC	TT	1940547099
SNP_P1_262110_441	NW_004519049.1	Scaffold4733	441	TT	CC	1940547102
SNP_P1_262111_457	NW_004519049.1	Scaffold4733	457	CC	TT	1940547104
SNP_P1_262113_543	NW_004519049.1	Scaffold4733	543	AA	GG	1940547106
SNP_P1_262114_561	NW_004519049.1	Scaffold4733	561	TT	CC	1940547108
SNP_P1_262115_624	NW_004519049.1	Scaffold4733	624	CC	TT	1940547110
SNP_P1_262117_813	NW_004519051.1	Scaffold4735	813	CC	TT	1940547112
SNP_P1_262118_829	NW_004519051.1	Scaffold4735	829	GG	AA	1940547114

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262120_497	NW_004519052.1	Scaffold4736	497	AA	TT	1940547118
SNP_P1_262121_498	NW_004519052.1	Scaffold4736	498	CC	AA	1940547120
SNP_P1_262122_682	NW_004519052.1	Scaffold4736	682	GG	AA	1940547123
SNP_P1_262123_477	NW_004519055.1	Scaffold4740	477	AA	GG	1940547125
SNP_P1_262124_1863	NW_004519055.1	Scaffold4740	1863	TT	AA	1940547127
SNP_P1_262125_1911	NW_004519055.1	Scaffold4740	1911	CC	TT	1940547129
SNP_P1_262126_1975	NW_004519055.1	Scaffold4740	1975	AA	TT	1940547131
SNP_P1_262127_2047	NW_004519055.1	Scaffold4740	2047	GG	AA	1940547133
SNP_P1_262128_2131	NW_004519055.1	Scaffold4740	2131	AA	GG	1940547135
SNP_P1_262129_2268	NW_004519055.1	Scaffold4740	2268	GG	AA	1940547137
SNP_P1_262130_2281	NW_004519055.1	Scaffold4740	2281	CC	TT	1940547139
SNP_P1_262131_2297	NW_004519055.1	Scaffold4740	2297	TT	CC	1940547141
SNP_P1_262132_2357	NW_004519055.1	Scaffold4740	2357	CC	GG	1940547144
SNP_P1_262133_2624	NW_004519055.1	Scaffold4740	2624	AA	CC	1940547146
SNP_P1_262134_2688	NW_004519055.1	Scaffold4740	2688	TT	AA	1940547148
SNP_P1_262135_2737	NW_004519055.1	Scaffold4740	2737	AA	GG	1940547150
SNP_P1_262136_2811	NW_004519055.1	Scaffold4740	2811	GG	TT	1940547152
SNP_P1_262137_2825	NW_004519055.1	Scaffold4740	2825	CC	GG	1940547154
SNP_P1_262138_2970	NW_004519055.1	Scaffold4740	2970	GG	AA	1940547156
SNP_P1_262139_4612	NW_004519055.1	Scaffold4740	4612	AA	GG	1940547158
SNP_P1_262140_4613	NW_004519055.1	Scaffold4740	4613	CC	AA	1940547160
SNP_P1_262141_4644	NW_004519055.1	Scaffold4740	4644	CC	TT	1940547163
SNP_P1_262142_4816	NW_004519055.1	Scaffold4740	4816	AA	TT	1940547165
SNP_P1_262143_4913	NW_004519055.1	Scaffold4740	4913	AA	TT	1940547167
SNP_P1_262144_11247	NW_004519055.1	Scaffold4740	11247	TT	AA	1940547169
SNP_P1_262145_11643	NW_004519055.1	Scaffold4740	11643	AA	CC	1940547171
SNP_P1_262146_11672	NW_004519055.1	Scaffold4740	11672	TT	CC	1940547173
SNP_P1_262147_11756	NW_004519055.1	Scaffold4740	11756	CC	TT	1940547175
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SNP_P1_262149_20083	NW_004519057.1	Scaffold4745	20083	GG	CC	1940547179
SNP_P1_262150_20131	NW_004519057.1	Scaffold4745	20131	TT	CC	1940547182
SNP_P1_262151_21462	NW_004519057.1	Scaffold4745	21462	AA	CC	1940547184
SNP_P1_262152_22542	NW_004519057.1	Scaffold4745	22542	GG	AA	1940547186
SNP_P1_262153_22570	NW_004519057.1	Scaffold4745	22570	AA	GG	1940547188
SNP_P1_262154_22578	NW_004519057.1	Scaffold4745	22578	TT	CC	1940547190
SNP_P1_262155_22594	NW_004519057.1	Scaffold4745	22594	GG	CC	1940547192
SNP_P1_262156_22758	NW_004519057.1	Scaffold4745	22758	GG	CC	1940547194
SNP_P1_262157_2090	NW_004519059.1	Scaffold4747	2090	TT	CC	1940547196
SNP_P1_262158_3514	NW_004519059.1	Scaffold4747	3514	CC	TT	1940547198
SNP_P1_262160_429	NW_004519065.1	Scaffold4759	429	CC	TT	1940547200
SNP_P1_262161_452	NW_004519065.1	Scaffold4759	452	CC	TT	1940547203

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SNP_P1_262163_488	NW_004519065.1	Scaffold4759	488	TT	GG	1940547207
SNP_P1_262164_509	NW_004519065.1	Scaffold4759	509	GG	AA	1940547209
SNP_P1_262165_13942	NW_004519065.1	Scaffold4759	13942	GG	AA	1940547211
SNP_P1_262166_21972	NW_004519065.1	Scaffold4759	21972	AA	GG	1940547213
SNP_P1_262168_27925	NW_004519065.1	Scaffold4759	27925	GG	TT	1940547215
SNP_P1_262169_30390	NW_004519065.1	Scaffold4759	30390	CC	AA	1940547217
SNP_P1_262170_30697	NW_004519065.1	Scaffold4759	30697	TT	GG	1940547219
SNP_P1_262171_32490	NW_004519065.1	Scaffold4759	32490	TT	CC	1940547222
SNP_P1_262172_35107	NW_004519065.1	Scaffold4759	35107	AA	TT	1940547224
SNP_P1_262173_35110	NW_004519065.1	Scaffold4759	35110	TT	CC	1940547226
SNP_P1_262174_2972	NW_004519071.1	Scaffold4769	2972	CC	TT	1940547228
SNP_P1_262176_4932	NW_004519071.1	Scaffold4769	4932	AA	CC	1940547230
SNP_P1_262178_5414	NW_004519071.1	Scaffold4769	5414	CC	TT	1940547232
SNP_P1_262180_5492	NW_004519071.1	Scaffold4769	5492	AA	CC	1940547234
SNP_P1_262181_5498	NW_004519071.1	Scaffold4769	5498	TT	AA	1940547236
SNP_P1_262182_187	NW_004519072.1	Scaffold4771	187	TT	AA	1940547238
SNP_P1_262183_703	NW_004519072.1	Scaffold4771	703	TT	GG	1940547240
SNP_P1_262184_943	NW_004519072.1	Scaffold4771	943	AA	CC	1940547243
SNP_P1_262185_955	NW_004519072.1	Scaffold4771	955	TT	GG	1940547245
SNP_P1_262187_4485	NW_004519072.1	Scaffold4771	4485	CC	TT	1940547247
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SNP_P1_262189_5370	NW_004519072.1	Scaffold4771	5370	TT	AA	1940547251
SNP_P1_262190_276	NW_004519073.1	Scaffold4773	276	CC	TT	1940547253
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SNP_P1_262192_576	NW_004519073.1	Scaffold4773	576	GG	CC	1940547257
SNP_P1_262193_622	NW_004519073.1	Scaffold4773	622	AA	GG	1940547259
SNP_P1_262194_728	NW_004519073.1	Scaffold4773	728	TT	CC	1940547261
SNP_P1_262195_760	NW_004519073.1	Scaffold4773	760	TT	CC	1940547264
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SNP_P1_262198_1864	NW_004519073.1	Scaffold4773	1864	AA	GG	1940547270
SNP_P1_262199_2149	NW_004519073.1	Scaffold4773	2149	GG	AA	1940547272
SNP_P1_262200_2176	NW_004519073.1	Scaffold4773	2176	GG	AA	1940547274
SNP_P1_262201_2429	NW_004519073.1	Scaffold4773	2429	GG	TT	1940547276
SNP_P1_262202_2461	NW_004519073.1	Scaffold4773	2461	AA	GG	1940547278
SNP_P1_262203_2463	NW_004519073.1	Scaffold4773	2463	AA	CC	1940547280
SNP_P1_262204_2474	NW_004519073.1	Scaffold4773	2474	GG	AA	1940547282
SNP_P1_262205_2582	NW_004519073.1	Scaffold4773	2582	TT	AA	1940547285
SNP_P1_262208_13184	NW_004519073.1	Scaffold4773	13184	CC	AA	1940547287
SNP_P1_262209_13257	NW_004519073.1	Scaffold4773	13257	GG	AA	1940547289
SNP_P1_262213_14035	NW_004519073.1	Scaffold4773	14035	GG	AA	1940547291

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SNP_P1_262215_14098	NW_004519073.1	Scaffold4773	14098	AA	TT	1940547295
SNP_P1_262216_14110	NW_004519073.1	Scaffold4773	14110	TT	AA	1940547297
SNP_P1_262218_14661	NW_004519073.1	Scaffold4773	14661	CC	GG	1940547299
SNP_P1_262219_14747	NW_004519073.1	Scaffold4773	14747	AA	CC	1940547301
SNP_P1_262221_15025	NW_004519073.1	Scaffold4773	15025	AA	GG	1940547304
SNP_P1_262222_15085	NW_004519073.1	Scaffold4773	15085	CC	AA	1940547306
SNP_P1_262223_15417	NW_004519073.1	Scaffold4773	15417	AA	GG	1940547308
SNP_P1_262224_15992	NW_004519073.1	Scaffold4773	15992	GG	AA	1940547310
SNP_P1_262225_16145	NW_004519073.1	Scaffold4773	16145	TT	CC	1940547312
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SNP_P1_262227_16688	NW_004519073.1	Scaffold4773	16688	GG	TT	1940547316
SNP_P1_262228_16708	NW_004519073.1	Scaffold4773	16708	CC	AA	1940547318
SNP_P1_262230_16945	NW_004519073.1	Scaffold4773	16945	AA	GG	1940547320
SNP_P1_262231_17246	NW_004519073.1	Scaffold4773	17246	CC	TT	1940547323
SNP_P1_262232_17259	NW_004519073.1	Scaffold4773	17259	CC	GG	1940547325
SNP_P1_262233_17570	NW_004519073.1	Scaffold4773	17570	GG	AA	1940547327
SNP_P1_262234_17779	NW_004519073.1	Scaffold4773	17779	AA	CC	1940547329
SNP_P1_262235_17995	NW_004519073.1	Scaffold4773	17995	CC	TT	1940547331
SNP_P1_262236_18204	NW_004519073.1	Scaffold4773	18204	CC	AA	1940547333
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SNP_P1_262243_18880	NW_004519073.1	Scaffold4773	18880	AA	GG	1940547346
SNP_P1_262245_19591	NW_004519073.1	Scaffold4773	19591	AA	TT	1940547348
SNP_P1_262246_19639	NW_004519073.1	Scaffold4773	19639	CC	TT	1940547350
SNP_P1_262248_19763	NW_004519073.1	Scaffold4773	19763	GG	AA	1940547352
SNP_P1_262249_19785	NW_004519073.1	Scaffold4773	19785	TT	CC	1940547354
SNP_P1_262251_20057	NW_004519073.1	Scaffold4773	20057	TT	CC	1940547356
SNP_P1_262253_20841	NW_004519073.1	Scaffold4773	20841	TT	CC	1940547358
SNP_P1_262255_21291	NW_004519073.1	Scaffold4773	21291	AA	TT	1940547360
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SNP_P1_262257_21696	NW_004519073.1	Scaffold4773	21696	CC	AA	1940547365
SNP_P1_262258_22903	NW_004519073.1	Scaffold4773	22903	GG	AA	1940547367
SNP_P1_262259_22914	NW_004519073.1	Scaffold4773	22914	CC	GG	1940547369
SNP_P1_262260_22993	NW_004519073.1	Scaffold4773	22993	CC	TT	1940547371
SNP_P1_262261_23810	NW_004519073.1	Scaffold4773	23810	CC	TT	1940547373
SNP_P1_262262_23917	NW_004519073.1	Scaffold4773	23917	GG	AA	1940547375
SNP_P1_262263_24104	NW_004519073.1	Scaffold4773	24104	AA	TT	1940547377
SNP_P1_262264_24135	NW_004519073.1	Scaffold4773	24135	CC	GG	1940547379

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262267_25294	NW_004519073.1	Scaffold4773	25294	GG	AA	1940547386
SNP_P1_262268_25298	NW_004519073.1	Scaffold4773	25298	TT	CC	1940547388
SNP_P1_262269_25556	NW_004519073.1	Scaffold4773	25556	AA	TT	1940547390
SNP_P1_262270_25565	NW_004519073.1	Scaffold4773	25565	TT	AA	1940547392
SNP_P1_262271_25570	NW_004519073.1	Scaffold4773	25570	GG	AA	1940547394
SNP_P1_262272_25628	NW_004519073.1	Scaffold4773	25628	AA	GG	1940547396
SNP_P1_262273_25637	NW_004519073.1	Scaffold4773	25637	AA	CC	1940547398
SNP_P1_262274_25641	NW_004519073.1	Scaffold4773	25641	AA	GG	1940547400
SNP_P1_262275_26568	NW_004519073.1	Scaffold4773	26568	GG	AA	1940547403
SNP_P1_262276_27245	NW_004519073.1	Scaffold4773	27245	TT	GG	1940547405
SNP_P1_262277_27426	NW_004519073.1	Scaffold4773	27426	AA	CC	1940547407
SNP_P1_262278_27608	NW_004519073.1	Scaffold4773	27608	AA	TT	1940547409
SNP_P1_262279_27656	NW_004519073.1	Scaffold4773	27656	TT	CC	1940547411
SNP_P1_262281_27733	NW_004519073.1	Scaffold4773	27733	TT	CC	1940547413
SNP_P1_262282_27896	NW_004519073.1	Scaffold4773	27896	GG	AA	1940547415
SNP_P1_262283_27903	NW_004519073.1	Scaffold4773	27903	CC	AA	1940547417
SNP_P1_262284_27935	NW_004519073.1	Scaffold4773	27935	TT	CC	1940547419
SNP_P1_262285_28719	NW_004519073.1	Scaffold4773	28719	AA	GG	1940547422
SNP_P1_262286_28786	NW_004519073.1	Scaffold4773	28786	GG	TT	1940547424
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SNP_P1_262292_30837	NW_004519073.1	Scaffold4773	30837	CC	TT	1940547432
SNP_P1_262293_31049	NW_004519073.1	Scaffold4773	31049	CC	TT	1940547434
SNP_P1_262294_31472	NW_004519073.1	Scaffold4773	31472	AA	GG	1940547436
SNP_P1_262295_32161	NW_004519073.1	Scaffold4773	32161	CC	TT	1940547438
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SNP_P1_262297_32632	NW_004519073.1	Scaffold4773	32632	CC	TT	1940547443
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SNP_P1_262301_33871	NW_004519073.1	Scaffold4773	33871	TT	CC	1940547449
SNP_P1_262302_33958	NW_004519073.1	Scaffold4773	33958	AA	GG	1940547451
SNP_P1_262303_34032	NW_004519073.1	Scaffold4773	34032	GG	AA	1940547453
SNP_P1_262304_34077	NW_004519073.1	Scaffold4773	34077	GG	AA	1940547455
SNP_P1_262305_35279	NW_004519073.1	Scaffold4773	35279	CC	TT	1940547457
SNP_P1_262306_35427	NW_004519073.1	Scaffold4773	35427	GG	AA	1940547459
SNP_P1_262307_35463	NW_004519073.1	Scaffold4773	35463	TT	CC	1940547462
SNP_P1_262308_35523	NW_004519073.1	Scaffold4773	35523	TT	CC	1940547464
SNP_P1_262309_35560	NW_004519073.1	Scaffold4773	35560	GG	CC	1940547466
SNP_P1_262310_35946	NW_004519073.1	Scaffold4773	35946	GG	AA	1940547468

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262315_36244	NW_004519073.1	Scaffold4773	36244	CC	TT	1940547472
SNP_P1_262316_36657	NW_004519073.1	Scaffold4773	36657	CC	AA	1940547474
SNP_P1_262317_36685	NW_004519073.1	Scaffold4773	36685	GG	AA	1940547476
SNP_P1_262318_36813	NW_004519073.1	Scaffold4773	36813	TT	CC	1940547478
SNP_P1_262319_37074	NW_004519073.1	Scaffold4773	37074	TT	CC	1940547481
SNP_P1_262320_37237	NW_004519073.1	Scaffold4773	37237	GG	AA	1940547483
SNP_P1_262321_37266	NW_004519073.1	Scaffold4773	37266	GG	AA	1940547485
SNP_P1_262322_52463	NW_004519073.1	Scaffold4773	52463	AA	GG	1940547487
SNP_P1_262324_52513	NW_004519073.1	Scaffold4773	52513	AA	CC	1940547489
SNP_P1_262325_52898	NW_004519073.1	Scaffold4773	52898	TT	CC	1940547491
SNP_P1_262326_53022	NW_004519073.1	Scaffold4773	53022	AA	GG	1940547493
SNP_P1_262327_53187	NW_004519073.1	Scaffold4773	53187	TT	CC	1940547495
SNP_P1_262328_54041	NW_004519073.1	Scaffold4773	54041	GG	TT	1940547497
SNP_P1_262329_54525	NW_004519073.1	Scaffold4773	54525	TT	CC	1940547499
SNP_P1_262330_54619	NW_004519073.1	Scaffold4773	54619	AA	TT	1940547502
SNP_P1_262331_54641	NW_004519073.1	Scaffold4773	54641	TT	CC	1940547504
SNP_P1_262332_54673	NW_004519073.1	Scaffold4773	54673	AA	GG	1940547506
SNP_P1_262333_54758	NW_004519073.1	Scaffold4773	54758	GG	AA	1940547508
SNP_P1_262334_54789	NW_004519073.1	Scaffold4773	54789	AA	GG	1940547510
SNP_P1_262335_55006	NW_004519073.1	Scaffold4773	55006	CC	TT	1940547512
SNP_P1_262336_55029	NW_004519073.1	Scaffold4773	55029	CC	TT	1940547514
SNP_P1_262337_55036	NW_004519073.1	Scaffold4773	55036	TT	CC	1940547516
SNP_P1_262338_55065	NW_004519073.1	Scaffold4773	55065	TT	CC	1940547518
SNP_P1_262339_55103	NW_004519073.1	Scaffold4773	55103	CC	AA	1940547521
SNP_P1_262341_55665	NW_004519073.1	Scaffold4773	55665	CC	AA	1940547523
SNP_P1_262343_58288	NW_004519073.1	Scaffold4773	58288	AA	TT	1940547525
SNP_P1_262344_58326	NW_004519073.1	Scaffold4773	58326	CC	AA	1940547527
SNP_P1_262345_58538	NW_004519073.1	Scaffold4773	58538	AA	GG	1940547529
SNP_P1_262346_441	NW_004519074.1	Scaffold4775	441	TT	GG	1940547531
SNP_P1_262347_471	NW_004519074.1	Scaffold4775	471	TT	GG	1940547533
SNP_P1_262348_712	NW_004519074.1	Scaffold4775	712	AA	GG	1940547535
SNP_P1_262349_15419	NW_004519076.1	Scaffold4777	15419	TT	CC	1940547537
SNP_P1_262351_34975	NW_004519076.1	Scaffold4777	34975	TT	GG	1940547540
SNP_P1_262352_47107	NW_004519076.1	Scaffold4777	47107	GG	AA	1940547542
SNP_P1_262354_48186	NW_004519076.1	Scaffold4777	48186	GG	AA	1940547544
SNP_P1_262355_48207	NW_004519076.1	Scaffold4777	48207	AA	GG	1940547546
SNP_P1_262356_48231	NW_004519076.1	Scaffold4777	48231	TT	CC	1940547548
SNP_P1_262357_48249	NW_004519076.1	Scaffold4777	48249	GG	AA	1940547550
SNP_P1_262358_48250	NW_004519076.1	Scaffold4777	48250	CC	AA	1940547552
SNP_P1_262359_48280	NW_004519076.1	Scaffold4777	48280	TT	CC	1940547554
SNP_P1_262360_80939	NW_004519076.1	Scaffold4777	80939	CC	TT	1940547556

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262362_95839	NW_004519076.1	Scaffold4777	95839	TT	CC	1940547561
SNP_P1_262363_97922	NW_004519076.1	Scaffold4777	97922	TT	CC	1940547563
SNP_P1_262364_99596	NW_004519076.1	Scaffold4777	99596	GG	AA	1940547565
SNP_P1_262365_112496	NW_004519076.1	Scaffold4777	112496	AA	CC	1940547567
SNP_P1_262366_112507	NW_004519076.1	Scaffold4777	112507	AA	CC	1940547569
SNP_P1_262367_112792	NW_004519076.1	Scaffold4777	112792	GG	TT	1940547571
SNP_P1_262368_112886	NW_004519076.1	Scaffold4777	112886	CC	AA	1940547573
SNP_P1_262369_113115	NW_004519076.1	Scaffold4777	113115	CC	TT	1940547575
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SNP_P1_262371_113547	NW_004519076.1	Scaffold4777	113547	AA	GG	1940547580
SNP_P1_262372_113601	NW_004519076.1	Scaffold4777	113601	CC	TT	1940547582
SNP_P1_262373_113923	NW_004519076.1	Scaffold4777	113923	CC	TT	1940547584
SNP_P1_262374_113931	NW_004519076.1	Scaffold4777	113931	TT	CC	1940547586
SNP_P1_262375_114190	NW_004519076.1	Scaffold4777	114190	CC	AA	1940547588
SNP_P1_262376_114267	NW_004519076.1	Scaffold4777	114267	AA	TT	1940547590
SNP_P1_262377_114274	NW_004519076.1	Scaffold4777	114274	GG	AA	1940547592
SNP_P1_262378_117775	NW_004519076.1	Scaffold4777	117775	CC	AA	1940547594
SNP_P1_262379_117869	NW_004519076.1	Scaffold4777	117869	CC	AA	1940547596
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SNP_P1_262383_118683	NW_004519076.1	Scaffold4777	118683	GG	AA	1940547605
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SNP_P1_262386_119123	NW_004519076.1	Scaffold4777	119123	TT	AA	1940547609
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SNP_P1_262389_119368	NW_004519076.1	Scaffold4777	119368	CC	AA	1940547615
SNP_P1_262390_119372	NW_004519076.1	Scaffold4777	119372	CC	TT	1940547617
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SNP_P1_262394_119638	NW_004519076.1	Scaffold4777	119638	AA	CC	1940547626
SNP_P1_262395_119735	NW_004519076.1	Scaffold4777	119735	TT	CC	1940547628
SNP_P1_262396_119762	NW_004519076.1	Scaffold4777	119762	TT	CC	1940547630
SNP_P1_262397_538	NW_004519079.1	Scaffold4781	538	TT	CC	1940547632
SNP_P1_262398_1434	NW_004519080.1	Scaffold4782	1434	AA	GG	1940547634
SNP_P1_262399_1516	NW_004519080.1	Scaffold4782	1516	TT	CC	1940547636
SNP_P1_262400_1533	NW_004519080.1	Scaffold4782	1533	TT	CC	1940547638
SNP_P1_262401_1554	NW_004519080.1	Scaffold4782	1554	GG	TT	1940547641
SNP_P1_262402_1561	NW_004519080.1	Scaffold4782	1561	AA	TT	1940547643
SNP_P1_262403_1713	NW_004519080.1	Scaffold4782	1713	GG	AA	1940547645

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262406_1788	NW_004519080.1	Scaffold4782	1788	GG	AA	1940547651
SNP_P1_262407_1834	NW_004519080.1	Scaffold4782	1834	CC	GG	1940547653
SNP_P1_262408_1851	NW_004519080.1	Scaffold4782	1851	CC	TT	1940547655
SNP_P1_262409_1852	NW_004519080.1	Scaffold4782	1852	GG	TT	1940547657
SNP_P1_262410_1854	NW_004519080.1	Scaffold4782	1854	TT	CC	1940547659
SNP_P1_262411_1884	NW_004519080.1	Scaffold4782	1884	TT	CC	1940547662
SNP_P1_262412_1907	NW_004519080.1	Scaffold4782	1907	GG	TT	1940547664
SNP_P1_262413_1968	NW_004519080.1	Scaffold4782	1968	AA	GG	1940547666
SNP_P1_262414_663	NW_004519081.1	Scaffold4783	663	AA	TT	1940547668
SNP_P1_262415_113	NW_004519082.1	Scaffold4784	113	CC	TT	1940547670
SNP_P1_262416_165	NW_004519082.1	Scaffold4784	165	GG	TT	1940547672
SNP_P1_262417_181	NW_004519082.1	Scaffold4784	181	AA	TT	1940547674
SNP_P1_262418_190	NW_004519082.1	Scaffold4784	190	TT	GG	1940547676
SNP_P1_262419_224	NW_004519082.1	Scaffold4784	224	GG	AA	1940547678
SNP_P1_262420_247	NW_004519082.1	Scaffold4784	247	CC	AA	1940547680
SNP_P1_262421_253	NW_004519082.1	Scaffold4784	253	GG	AA	1940547683
SNP_P1_262422_298	NW_004519082.1	Scaffold4784	298	TT	CC	1940547685
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SNP_P1_262426_515	NW_004519082.1	Scaffold4784	515	GG	AA	1940547693
SNP_P1_262427_571	NW_004519082.1	Scaffold4784	571	GG	AA	1940547695
SNP_P1_262428_613	NW_004519082.1	Scaffold4784	613	CC	TT	1940547697
SNP_P1_262429_616	NW_004519082.1	Scaffold4784	616	GG	AA	1940547699
SNP_P1_262430_626	NW_004519082.1	Scaffold4784	626	CC	TT	1940547702
SNP_P1_262431_638	NW_004519082.1	Scaffold4784	638	AA	GG	1940547704
SNP_P1_262433_865	NW_004519082.1	Scaffold4784	865	TT	CC	1940547706
SNP_P1_262434_1001	NW_004519082.1	Scaffold4784	1001	TT	AA	1940547708
SNP_P1_262435_2300	NW_004519083.1	Scaffold4787	2300	GG	CC	1940547710
SNP_P1_262436_2321	NW_004519083.1	Scaffold4787	2321	TT	AA	1940547712
SNP_P1_262437_340	NW_004519087.1	Scaffold4791	340	AA	CC	1940547714
SNP_P1_262438_341	NW_004519087.1	Scaffold4791	341	CC	AA	1940547716
SNP_P1_262439_342	NW_004519087.1	Scaffold4791	342	CC	TT	1940547718
SNP_P1_262440_346	NW_004519087.1	Scaffold4791	346	TT	CC	1940547720
SNP_P1_262441_666	NW_004519087.1	Scaffold4791	666	AA	GG	1940547723
SNP_P1_262442_721	NW_004519088.1	Scaffold4792	721	AA	CC	1940547725
SNP_P1_262443_1045	NW_004519088.1	Scaffold4792	1045	CC	AA	1940547727
SNP_P1_262444_3636	NW_004519088.1	Scaffold4792	3636	TT	GG	1940547729
SNP_P1_262445_5362	NW_004519088.1	Scaffold4792	5362	AA	CC	1940547731
SNP_P1_262446_5365	NW_004519088.1	Scaffold4792	5365	CC	TT	1940547733

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262448_5487	NW_004519088.1	Scaffold4792	5487	AA	GG	1940547737
SNP_P1_262449_5786	NW_004519088.1	Scaffold4792	5786	TT	GG	1940547739
SNP_P1_262450_64	NW_004519090.1	Scaffold4795	64	AA	TT	1940547741
SNP_P1_262451_285	NW_004519092.1	Scaffold4797	285	AA	GG	1940547744
SNP_P1_262452_5596	NW_004519092.1	Scaffold4797	5596	AA	TT	1940547746
SNP_P1_262453_6459	NW_004519092.1	Scaffold4797	6459	TT	CC	1940547748
SNP_P1_262454_6668	NW_004519092.1	Scaffold4797	6668	AA	GG	1940547750
SNP_P1_262455_192	NW_004519093.1	Scaffold4798	192	GG	AA	1940547752
SNP_P1_262456_232	NW_004519093.1	Scaffold4798	232	CC	TT	1940547754
SNP_P1_262457_2128	NW_004519093.1	Scaffold4798	2128	TT	GG	1940547756
SNP_P1_262458_2176	NW_004519093.1	Scaffold4798	2176	TT	AA	1940547758
SNP_P1_262459_583	NW_004519096.1	Scaffold4804	583	TT	CC	1940547760
SNP_P1_262460_709	NW_004519096.1	Scaffold4804	709	GG	AA	1940547762
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SNP_P1_262471_1159	NW_004519096.1	Scaffold4804	1159	AA	CC	1940547781
SNP_P1_262472_1625	NW_004519096.1	Scaffold4804	1625	CC	AA	1940547783
SNP_P1_262473_1832	NW_004519096.1	Scaffold4804	1832	CC	GG	1940547786
SNP_P1_262474_1886	NW_004519096.1	Scaffold4804	1886	CC	GG	1940547788
SNP_P1_262475_1888	NW_004519096.1	Scaffold4804	1888	CC	TT	1940547790
SNP_P1_262476_1911	NW_004519096.1	Scaffold4804	1911	AA	GG	1940547792
SNP_P1_262478_3049	NW_004519096.1	Scaffold4804	3049	CC	GG	1940547794
SNP_P1_262479_3051	NW_004519096.1	Scaffold4804	3051	TT	AA	1940547796
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SNP_P1_262488_3519	NW_004519096.1	Scaffold4804	3519	AA	GG	1940547815
SNP_P1_262489_8727	NW_004519096.1	Scaffold4804	8727	GG	CC	1940547817
SNP_P1_262490_8845	NW_004519096.1	Scaffold4804	8845	TT	AA	1940547819
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262494_9109	NW_004519096.1	Scaffold4804	9109	CC	TT	1940547825
SNP_P1_262495_9132	NW_004519096.1	Scaffold4804	9132	AA	TT	1940547828
SNP_P1_262496_9210	NW_004519096.1	Scaffold4804	9210	TT	GG	1940547830
SNP_P1_262497_9217	NW_004519096.1	Scaffold4804	9217	TT	AA	1940547832
SNP_P1_262498_9270	NW_004519096.1	Scaffold4804	9270	TT	AA	1940547834
SNP_P1_262500_9293	NW_004519096.1	Scaffold4804	9293	AA	GG	1940547836
SNP_P1_262501_9309	NW_004519096.1	Scaffold4804	9309	GG	CC	1940547838
SNP_P1_262502_9434	NW_004519096.1	Scaffold4804	9434	AA	CC	1940547840
SNP_P1_262503_9509	NW_004519096.1	Scaffold4804	9509	AA	GG	1940547842
SNP_P1_262504_9535	NW_004519096.1	Scaffold4804	9535	TT	AA	1940547844
SNP_P1_262505_9874	NW_004519096.1	Scaffold4804	9874	GG	CC	1940547846
SNP_P1_262506_10082	NW_004519096.1	Scaffold4804	10082	AA	CC	1940547849
SNP_P1_262507_10227	NW_004519096.1	Scaffold4804	10227	AA	CC	1940547851
SNP_P1_262508_10320	NW_004519096.1	Scaffold4804	10320	AA	TT	1940547853
SNP_P1_262509_10531	NW_004519096.1	Scaffold4804	10531	CC	AA	1940547855
SNP_P1_262510_10540	NW_004519096.1	Scaffold4804	10540	CC	GG	1940547857
SNP_P1_262511_10545	NW_004519096.1	Scaffold4804	10545	CC	TT	1940547859
SNP_P1_262512_10553	NW_004519096.1	Scaffold4804	10553	AA	CC	1940547861
SNP_P1_262513_11809	NW_004519096.1	Scaffold4804	11809	CC	TT	1940547863
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SNP_P1_262516_11888	NW_004519096.1	Scaffold4804	11888	AA	CC	1940547870
SNP_P1_262517_11903	NW_004519096.1	Scaffold4804	11903	AA	GG	1940547872
SNP_P1_262518_11947	NW_004519096.1	Scaffold4804	11947	AA	CC	1940547874
SNP_P1_262519_17111	NW_004519096.1	Scaffold4804	17111	GG	TT	1940547876
SNP_P1_262520_17235	NW_004519096.1	Scaffold4804	17235	AA	GG	1940547878
SNP_P1_262521_17385	NW_004519096.1	Scaffold4804	17385	GG	AA	1940547880
SNP_P1_262522_17506	NW_004519096.1	Scaffold4804	17506	TT	CC	1940547882
SNP_P1_262523_17793	NW_004519096.1	Scaffold4804	17793	AA	GG	1940547884
SNP_P1_262524_17838	NW_004519096.1	Scaffold4804	17838	GG	CC	1940547887
SNP_P1_262525_17870	NW_004519096.1	Scaffold4804	17870	CC	TT	1940547889
SNP_P1_262526_54	NW_004519097.1	Scaffold4805	54	AA	GG	1940547891
SNP_P1_262527_77	NW_004519097.1	Scaffold4805	77	GG	CC	1940547893
SNP_P1_262528_393	NW_004519097.1	Scaffold4805	393	AA	TT	1940547895
SNP_P1_262529_817	NW_004519097.1	Scaffold4805	817	AA	GG	1940547897
SNP_P1_262530_5749	NW_004519097.1	Scaffold4805	5749	TT	CC	1940547899
SNP_P1_262531_5755	NW_004519097.1	Scaffold4805	5755	TT	AA	1940547901
SNP_P1_262532_10133	NW_004519097.1	Scaffold4805	10133	GG	TT	1940547903
SNP_P1_262533_10948	NW_004519097.1	Scaffold4805	10948	AA	GG	1940547905
SNP_P1_262534_11030	NW_004519097.1	Scaffold4805	11030	TT	CC	1940547908
SNP_P1_262535_11061	NW_004519097.1	Scaffold4805	11061	TT	CC	1940547910

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262537_894	NW_004519099.1	Scaffold4807	894	GG	AA	1940547914
SNP_P1_262538_64	NW_004519100.1	Scaffold4808	64	CC	AA	1940547916
SNP_P1_262539_119	NW_004519100.1	Scaffold4808	119	GG	AA	1940547918
SNP_P1_262540_165	NW_004519100.1	Scaffold4808	165	CC	GG	1940547920
SNP_P1_262541_508	NW_004519100.1	Scaffold4808	508	GG	CC	1940547922
SNP_P1_262542_632	NW_004519100.1	Scaffold4808	632	TT	AA	1940547924
SNP_P1_262543_668	NW_004519100.1	Scaffold4808	668	AA	CC	1940547926
SNP_P1_262544_747	NW_004519100.1	Scaffold4808	747	GG	TT	1940547929
SNP_P1_262545_760	NW_004519100.1	Scaffold4808	760	TT	CC	1940547931
SNP_P1_262547_922	NW_004519100.1	Scaffold4808	922	TT	GG	1940547933
SNP_P1_262548_996	NW_004519100.1	Scaffold4808	996	CC	AA	1940547935
SNP_P1_262549_1031	NW_004519102.1	Scaffold4810	1031	TT	AA	1940547937
SNP_P1_262550_1832	NW_004519102.1	Scaffold4810	1832	TT	GG	1940547939
SNP_P1_262551_1857	NW_004519102.1	Scaffold4810	1857	GG	CC	1940547941
SNP_P1_262552_1894	NW_004519102.1	Scaffold4810	1894	TT	GG	1940547943
SNP_P1_262553_2354	NW_004519102.1	Scaffold4810	2354	AA	TT	1940547945
SNP_P1_262554_725	NW_004519106.1	Scaffold4817	725	CC	AA	1940547947
SNP_P1_262555_781	NW_004519106.1	Scaffold4817	781	CC	TT	1940547950
SNP_P1_262556_814	NW_004519106.1	Scaffold4817	814	GG	TT	1940547952
SNP_P1_262557_876	NW_004519106.1	Scaffold4817	876	TT	AA	1940547954
SNP_P1_262558_878	NW_004519106.1	Scaffold4817	878	CC	TT	1940547956
SNP_P1_262559_1781	NW_004519108.1	Scaffold4820	1781	TT	CC	1940547958
SNP_P1_262561_1467	NW_004519112.1	Scaffold4825	1467	CC	AA	1940547960
SNP_P1_262562_1195	NW_004519115.1	Scaffold4828	1195	AA	TT	1940547962
SNP_P1_262563_1741	NW_004519115.1	Scaffold4828	1741	AA	GG	1940547964
SNP_P1_262564_1742	NW_004519115.1	Scaffold4828	1742	TT	CC	1940547966
SNP_P1_262565_4076	NW_004519115.1	Scaffold4828	4076	CC	TT	1940547968
SNP_P1_262566_4199	NW_004519115.1	Scaffold4828	4199	AA	TT	1940547971
SNP_P1_262567_4209	NW_004519115.1	Scaffold4828	4209	TT	GG	1940547973
SNP_P1_262569_1333	NW_004519116.1	Scaffold4829	1333	GG	AA	1940547975
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SNP_P1_262571_1387	NW_004519116.1	Scaffold4829	1387	TT	AA	1940547979
SNP_P1_262572_1437	NW_004519116.1	Scaffold4829	1437	AA	GG	1940547981
SNP_P1_262573_1518	NW_004519116.1	Scaffold4829	1518	CC	TT	1940547983
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SNP_P1_262575_1854	NW_004519116.1	Scaffold4829	1854	CC	TT	1940547987
SNP_P1_262576_1855	NW_004519116.1	Scaffold4829	1855	CC	AA	1940547989
SNP_P1_262577_2114	NW_004519116.1	Scaffold4829	2114	AA	GG	1940547992
SNP_P1_262578_2117	NW_004519116.1	Scaffold4829	2117	TT	CC	1940547994
SNP_P1_262579_5960	NW_004519116.1	Scaffold4829	5960	TT	GG	1940547996
SNP_P1_262580_5984	NW_004519116.1	Scaffold4829	5984	GG	AA	1940547998

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262582_6231	NW_004519116.1	Scaffold4829	6231	GG	AA	1940548002
SNP_P1_262584_6366	NW_004519116.1	Scaffold4829	6366	TT	CC	1940548004
SNP_P1_262585_6382	NW_004519116.1	Scaffold4829	6382	GG	AA	1940548006
SNP_P1_262586_6420	NW_004519116.1	Scaffold4829	6420	TT	CC	1940548008
SNP_P1_262587_6456	NW_004519116.1	Scaffold4829	6456	CC	GG	1940548010
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SNP_P1_262590_6666	NW_004519116.1	Scaffold4829	6666	CC	GG	1940548015
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SNP_P1_262593_6734	NW_004519116.1	Scaffold4829	6734	TT	CC	1940548021
SNP_P1_262594_6751	NW_004519116.1	Scaffold4829	6751	CC	TT	1940548023
SNP_P1_262596_8277	NW_004519116.1	Scaffold4829	8277	AA	GG	1940548025
SNP_P1_262597_8285	NW_004519116.1	Scaffold4829	8285	CC	TT	1940548027
SNP_P1_262598_8328	NW_004519116.1	Scaffold4829	8328	TT	AA	1940548029
SNP_P1_262599_8340	NW_004519116.1	Scaffold4829	8340	CC	GG	1940548031
SNP_P1_262600_8471	NW_004519116.1	Scaffold4829	8471	AA	CC	1940548034
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SNP_P1_262610_3484	NW_004519118.1	Scaffold4833	3484	CC	AA	1940548052
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SNP_P1_262612_3755	NW_004519118.1	Scaffold4833	3755	GG	TT	1940548057
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SNP_P1_262619_279	NW_004519122.1	Scaffold4837	279	CC	TT	1940548067
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SNP_P1_262626_93	NW_004519126.1	Scaffold4846	93	TT	AA	1940548080
SNP_P1_262627_592	NW_004519126.1	Scaffold4846	592	CC	TT	1940548082
SNP_P1_262628_618	NW_004519126.1	Scaffold4846	618	AA	CC	1940548084
SNP_P1_262629_5798	NW_004519126.1	Scaffold4846	5798	TT	CC	1940548086

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262633_5886	NW_004519126.1	Scaffold4846	5886	GG	CC	1940548095
SNP_P1_262634_6285	NW_004519126.1	Scaffold4846	6285	GG	CC	1940548097
SNP_P1_262635_2636	NW_004519127.1	Scaffold4847	2636	AA	GG	1940548099
SNP_P1_262636_658	NW_004519128.1	Scaffold4848	658	TT	GG	1940548101
SNP_P1_262637_659	NW_004519128.1	Scaffold4848	659	GG	AA	1940548103
SNP_P1_262638_2088	NW_004519130.1	Scaffold4850	2088	GG	AA	1940548105
SNP_P1_262639_2204	NW_004519130.1	Scaffold4850	2204	AA	GG	1940548107
SNP_P1_262640_2211	NW_004519130.1	Scaffold4850	2211	AA	GG	1940548109
SNP_P1_262641_2244	NW_004519130.1	Scaffold4850	2244	CC	AA	1940548111
SNP_P1_262642_2258	NW_004519130.1	Scaffold4850	2258	TT	AA	1940548113
SNP_P1_262643_2285	NW_004519130.1	Scaffold4850	2285	TT	CC	1940548116
SNP_P1_262644_2988	NW_004519131.1	Scaffold4851	2988	TT	CC	1940548118
SNP_P1_262646_3130	NW_004519131.1	Scaffold4851	3130	GG	TT	1940548120
SNP_P1_262647_3224	NW_004519131.1	Scaffold4851	3224	CC	AA	1940548122
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SNP_P1_262657_3806	NW_004519131.1	Scaffold4851	3806	AA	GG	1940548141
SNP_P1_262658_3974	NW_004519131.1	Scaffold4851	3974	GG	TT	1940548143
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SNP_P1_262661_6970	NW_004519136.1	Scaffold4859	6970	CC	AA	1940548149
SNP_P1_262662_968	NW_004519138.1	Scaffold4861	968	CC	TT	1940548151
SNP_P1_262664_1855	NW_004519140.1	Scaffold4863	1855	TT	CC	1940548153
SNP_P1_262665_1911	NW_004519140.1	Scaffold4863	1911	CC	TT	1940548155
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SNP_P1_262672_1221	NW_004519142.1	Scaffold4865	1221	CC	TT	1940548170
SNP_P1_262673_2796	NW_004519143.1	Scaffold4866	2796	AA	CC	1940548172
SNP_P1_262674_22312	NW_004519144.1	Scaffold4867	22312	TT	GG	1940548174

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_262675_402	NW_004519146.1	Scaffold4869	402	CC	AA	1940548176
SNP_P1_262676_607	NW_004519146.1	Scaffold4869	607	CC	GG	1940548179
SNP_P1_262677_633	NW_004519146.1	Scaffold4869	633	CC	AA	1940548181
SNP_P1_262678_640	NW_004519146.1	Scaffold4869	640	GG	AA	1940548183
SNP_P1_262679_751	NW_004519146.1	Scaffold4869	751	TT	CC	1940548185
SNP_P1_262680_770	NW_004519146.1	Scaffold4869	770	TT	AA	1940548187
SNP_P1_262682_921	NW_004519146.1	Scaffold4869	921	GG	AA	1940548189
SNP_P1_262684_1221	NW_004519146.1	Scaffold4869	1221	TT	AA	1940548191
SNP_P1_262685_1240	NW_004519146.1	Scaffold4869	1240	AA	TT	1940548193
SNP_P1_262686_264	NW_004519147.1	Scaffold4872	264	GG	TT	1940548195
SNP_P1_262689_7690	NW_004519148.1	Scaffold4874	7690	AA	GG	1940548197
SNP_P1_262690_7755	NW_004519148.1	Scaffold4874	7755	GG	TT	1940548200
SNP_P1_262691_7769	NW_004519148.1	Scaffold4874	7769	AA	GG	1940548202
SNP_P1_262692_7805	NW_004519148.1	Scaffold4874	7805	CC	TT	1940548204
SNP_P1_262693_7811	NW_004519148.1	Scaffold4874	7811	AA	TT	1940548206
SNP_P1_262694_7827	NW_004519148.1	Scaffold4874	7827	AA	GG	1940548208
SNP_P1_262695_7839	NW_004519148.1	Scaffold4874	7839	TT	AA	1940548210
SNP_P1_262697_8010	NW_004519148.1	Scaffold4874	8010	AA	GG	1940548212
SNP_P1_262698_8015	NW_004519148.1	Scaffold4874	8015	TT	AA	1940548214
SNP_P1_262699_8022	NW_004519148.1	Scaffold4874	8022	GG	AA	1940548216
SNP_P1_262700_8031	NW_004519148.1	Scaffold4874	8031	AA	GG	1940548218
SNP_P1_262701_8032	NW_004519148.1	Scaffold4874	8032	AA	GG	1940548221
SNP_P1_262702_8065	NW_004519148.1	Scaffold4874	8065	GG	CC	1940548223
SNP_P1_262703_8131	NW_004519148.1	Scaffold4874	8131	CC	AA	1940548225
SNP_P1_262704_8146	NW_004519148.1	Scaffold4874	8146	AA	GG	1940548227
SNP_P1_262705_8184	NW_004519148.1	Scaffold4874	8184	AA	GG	1940548229
SNP_P1_262706_3422	NW_004519150.1	Scaffold4879	3422	AA	CC	1940548231
SNP_P1_262707_3424	NW_004519150.1	Scaffold4879	3424	AA	CC	1940548233
SNP_P1_262708_3429	NW_004519150.1	Scaffold4879	3429	GG	TT	1940548235
SNP_P1_262709_3656	NW_004519150.1	Scaffold4879	3656	AA	GG	1940548237
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SNP_P1_262713_943	NW_004519153.1	Scaffold4884	943	TT	GG	1940548246
SNP_P1_262714_1077	NW_004519153.1	Scaffold4884	1077	AA	GG	1940548248
SNP_P1_262715_1096	NW_004519153.1	Scaffold4884	1096	TT	CC	1940548250
SNP_P1_262716_1733	NW_004519153.1	Scaffold4884	1733	TT	GG	1940548252
SNP_P1_262717_1859	NW_004519153.1	Scaffold4884	1859	TT	AA	1940548254
SNP_P1_262718_1876	NW_004519153.1	Scaffold4884	1876	AA	GG	1940548256
SNP_P1_262719_1921	NW_004519153.1	Scaffold4884	1921	AA	TT	1940548258
SNP_P1_262720_1966	NW_004519153.1	Scaffold4884	1966	AA	GG	1940548260
SNP_P1_262722_653	NW_004519155.1	Scaffold4888	653	GG	AA	1940548263

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262724_709	NW_004519155.1	Scaffold4888	709	TT	CC	1940548267
SNP_P1_262725_939	NW_004519155.1	Scaffold4888	939	AA	GG	1940548269
SNP_P1_262726_1644	NW_004519156.1	Scaffold4889	1644	TT	CC	1940548271
SNP_P1_262727_1692	NW_004519156.1	Scaffold4889	1692	GG	CC	1940548273
SNP_P1_262728_1755	NW_004519156.1	Scaffold4889	1755	TT	CC	1940548275
SNP_P1_262729_2018	NW_004519157.1	Scaffold4891	2018	TT	AA	1940548277
SNP_P1_262731_5608	NW_004519157.1	Scaffold4891	5608	GG	AA	1940548279
SNP_P1_262732_1434	NW_004519158.1	Scaffold4892	1434	GG	TT	1940548281
SNP_P1_262733_1828	NW_004519158.1	Scaffold4892	1828	TT	GG	1940548284
SNP_P1_262734_2121	NW_004519158.1	Scaffold4892	2121	CC	TT	1940548286
SNP_P1_262735_64	NW_004519160.1	Scaffold4894	64	GG	CC	1940548288
SNP_P1_262736_97	NW_004519160.1	Scaffold4894	97	TT	GG	1940548290
SNP_P1_262737_173	NW_004519160.1	Scaffold4894	173	GG	AA	1940548292
SNP_P1_262738_392	NW_004519160.1	Scaffold4894	392	TT	CC	1940548294
SNP_P1_262739_64	NW_004519161.1	Scaffold4895	64	AA	GG	1940548296
SNP_P1_262740_70	NW_004519161.1	Scaffold4895	70	GG	CC	1940548298
SNP_P1_262741_7197	NW_004519161.1	Scaffold4895	7197	AA	TT	1940548300
SNP_P1_262742_213	NW_004519165.1	Scaffold4901	213	GG	CC	1940548302
SNP_P1_262743_8635	NW_004519166.1	Scaffold4902	8635	TT	CC	1940548305
SNP_P1_262745_11368	NW_004519166.1	Scaffold4902	11368	GG	AA	1940548307
SNP_P1_262746_13353	NW_004519166.1	Scaffold4902	13353	TT	CC	1940548309
SNP_P1_262747_13354	NW_004519166.1	Scaffold4902	13354	GG	CC	1940548311
SNP_P1_262748_13835	NW_004519166.1	Scaffold4902	13835	TT	CC	1940548313
SNP_P1_262749_14528	NW_004519166.1	Scaffold4902	14528	CC	TT	1940548315
SNP_P1_262750_14580	NW_004519166.1	Scaffold4902	14580	GG	TT	1940548317
SNP_P1_262751_14704	NW_004519166.1	Scaffold4902	14704	AA	GG	1940548319
SNP_P1_262752_14925	NW_004519166.1	Scaffold4902	14925	GG	AA	1940548321
SNP_P1_262753_15026	NW_004519166.1	Scaffold4902	15026	GG	AA	1940548324
SNP_P1_262754_15034	NW_004519166.1	Scaffold4902	15034	AA	GG	1940548326
SNP_P1_262755_15265	NW_004519166.1	Scaffold4902	15265	CC	TT	1940548328
SNP_P1_262756_15638	NW_004519166.1	Scaffold4902	15638	AA	GG	1940548330
SNP_P1_262757_15639	NW_004519166.1	Scaffold4902	15639	CC	AA	1940548332
SNP_P1_262758_16049	NW_004519166.1	Scaffold4902	16049	GG	AA	1940548334
SNP_P1_262759_16735	NW_004519166.1	Scaffold4902	16735	GG	AA	1940548336
SNP_P1_262760_16737	NW_004519166.1	Scaffold4902	16737	CC	TT	1940548338
SNP_P1_262761_16746	NW_004519166.1	Scaffold4902	16746	AA	GG	1940548340
SNP_P1_262762_16755	NW_004519166.1	Scaffold4902	16755	GG	AA	1940548342
SNP_P1_262763_16819	NW_004519166.1	Scaffold4902	16819	CC	GG	1940548345
SNP_P1_262764_18372	NW_004519166.1	Scaffold4902	18372	CC	GG	1940548347
SNP_P1_262765_18433	NW_004519166.1	Scaffold4902	18433	GG	TT	1940548349
SNP_P1_262766_18444	NW_004519166.1	Scaffold4902	18444	GG	TT	1940548351

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262768_18539	NW_004519166.1	Scaffold4902	18539	CC	TT	1940548355
SNP_P1_262769_18578	NW_004519166.1	Scaffold4902	18578	GG	AA	1940548357
SNP_P1_262770_18711	NW_004519166.1	Scaffold4902	18711	CC	TT	1940548359
SNP_P1_262771_18743	NW_004519166.1	Scaffold4902	18743	AA	CC	1940548361
SNP_P1_262773_19062	NW_004519166.1	Scaffold4902	19062	GG	TT	1940548364
SNP_P1_262775_19593	NW_004519166.1	Scaffold4902	19593	CC	TT	1940548366
SNP_P1_262776_19603	NW_004519166.1	Scaffold4902	19603	CC	GG	1940548368
SNP_P1_262777_19646	NW_004519166.1	Scaffold4902	19646	CC	TT	1940548370
SNP_P1_262778_19875	NW_004519166.1	Scaffold4902	19875	CC	TT	1940548372
SNP_P1_262779_20681	NW_004519166.1	Scaffold4902	20681	GG	AA	1940548374
SNP_P1_262780_20691	NW_004519166.1	Scaffold4902	20691	AA	GG	1940548376
SNP_P1_262781_20698	NW_004519166.1	Scaffold4902	20698	GG	AA	1940548378
SNP_P1_262782_20702	NW_004519166.1	Scaffold4902	20702	GG	TT	1940548380
SNP_P1_262783_20853	NW_004519166.1	Scaffold4902	20853	CC	TT	1940548382
SNP_P1_262784_21026	NW_004519166.1	Scaffold4902	21026	GG	AA	1940548385
SNP_P1_262785_21093	NW_004519166.1	Scaffold4902	21093	GG	AA	1940548387
SNP_P1_262786_21722	NW_004519166.1	Scaffold4902	21722	CC	GG	1940548389
SNP_P1_262787_21923	NW_004519166.1	Scaffold4902	21923	TT	CC	1940548391
SNP_P1_262788_22603	NW_004519166.1	Scaffold4902	22603	AA	GG	1940548393
SNP_P1_262789_22754	NW_004519166.1	Scaffold4902	22754	AA	CC	1940548395
SNP_P1_262790_23121	NW_004519166.1	Scaffold4902	23121	GG	TT	1940548397
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SNP_P1_262796_33499	NW_004519166.1	Scaffold4902	33499	CC	TT	1940548401
SNP_P1_262798_40391	NW_004519166.1	Scaffold4902	40391	CC	TT	1940548404
SNP_P1_262799_40702	NW_004519166.1	Scaffold4902	40702	TT	CC	1940548406
SNP_P1_262800_40729	NW_004519166.1	Scaffold4902	40729	TT	CC	1940548408
SNP_P1_262802_45488	NW_004519166.1	Scaffold4902	45488	CC	GG	1940548410
SNP_P1_262803_45505	NW_004519166.1	Scaffold4902	45505	AA	TT	1940548412
SNP_P1_262805_55210	NW_004519166.1	Scaffold4902	55210	GG	CC	1940548414
SNP_P1_262806_57614	NW_004519166.1	Scaffold4902	57614	TT	GG	1940548416
SNP_P1_262807_58362	NW_004519166.1	Scaffold4902	58362	AA	GG	1940548418
SNP_P1_262808_65214	NW_004519166.1	Scaffold4902	65214	CC	AA	1940548420
SNP_P1_262810_66045	NW_004519166.1	Scaffold4902	66045	CC	TT	1940548423
SNP_P1_262811_66460	NW_004519166.1	Scaffold4902	66460	AA	CC	1940548425
SNP_P1_262812_66818	NW_004519166.1	Scaffold4902	66818	CC	TT	1940548427
SNP_P1_262813_66857	NW_004519166.1	Scaffold4902	66857	AA	TT	1940548429
SNP_P1_262814_70147	NW_004519166.1	Scaffold4902	70147	TT	AA	1940548431
SNP_P1_262815_70163	NW_004519166.1	Scaffold4902	70163	CC	TT	1940548433
SNP_P1_262816_70173	NW_004519166.1	Scaffold4902	70173	AA	GG	1940548435
SNP_P1_262817_71090	NW_004519166.1	Scaffold4902	71090	TT	AA	1940548437
SNP_P1_262818_72792	NW_004519166.1	Scaffold4902	72792	TT	AA	1940548439

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262821_73002	NW_004519166.1	Scaffold4902	73002	TT	CC	1940548444
SNP_P1_262823_73096	NW_004519166.1	Scaffold4902	73096	AA	CC	1940548446
SNP_P1_262824_73117	NW_004519166.1	Scaffold4902	73117	CC	TT	1940548448
SNP_P1_262825_73191	NW_004519166.1	Scaffold4902	73191	CC	TT	1940548450
SNP_P1_262826_73338	NW_004519166.1	Scaffold4902	73338	GG	AA	1940548452
SNP_P1_262827_73350	NW_004519166.1	Scaffold4902	73350	CC	TT	1940548454
SNP_P1_262828_73370	NW_004519166.1	Scaffold4902	73370	TT	CC	1940548456
SNP_P1_262829_73523	NW_004519166.1	Scaffold4902	73523	CC	TT	1940548458
SNP_P1_262830_73544	NW_004519166.1	Scaffold4902	73544	CC	TT	1940548460
SNP_P1_262831_73550	NW_004519166.1	Scaffold4902	73550	GG	AA	1940548463
SNP_P1_262832_73692	NW_004519166.1	Scaffold4902	73692	TT	GG	1940548465
SNP_P1_262833_73707	NW_004519166.1	Scaffold4902	73707	CC	AA	1940548467
SNP_P1_262834_73779	NW_004519166.1	Scaffold4902	73779	AA	GG	1940548469
SNP_P1_262837_74418	NW_004519166.1	Scaffold4902	74418	GG	AA	1940548471
SNP_P1_262838_74609	NW_004519166.1	Scaffold4902	74609	CC	TT	1940548473
SNP_P1_262839_74835	NW_004519166.1	Scaffold4902	74835	CC	TT	1940548475
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SNP_P1_262852_80377	NW_004519166.1	Scaffold4902	80377	AA	CC	1940548500
SNP_P1_262853_80391	NW_004519166.1	Scaffold4902	80391	GG	TT	1940548503
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SNP_P1_262855_81522	NW_004519166.1	Scaffold4902	81522	AA	GG	1940548507
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SNP_P1_262859_82783	NW_004519166.1	Scaffold4902	82783	TT	CC	1940548511
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SNP_P1_262864_83961	NW_004519166.1	Scaffold4902	83961	TT	CC	1940548519
SNP_P1_262865_91772	NW_004519166.1	Scaffold4902	91772	TT	CC	1940548522
SNP_P1_262866_92058	NW_004519166.1	Scaffold4902	92058	GG	TT	1940548524
SNP_P1_262868_382	NW_004519169.1	Scaffold4905	382	AA	GG	1940548526
SNP_P1_262869_1145	NW_004519173.1	Scaffold4912	1145	AA	GG	1940548528

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262871_2506	NW_004519175.1	Scaffold4917	2506	TT	CC	1940548532
SNP_P1_262872_4207	NW_004519175.1	Scaffold4917	4207	AA	GG	1940548534
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SNP_P1_262874_4254	NW_004519175.1	Scaffold4917	4254	TT	AA	1940548538
SNP_P1_262875_4745	NW_004519175.1	Scaffold4917	4745	TT	AA	1940548540
SNP_P1_262876_4778	NW_004519175.1	Scaffold4917	4778	TT	AA	1940548543
SNP_P1_262877_4959	NW_004519175.1	Scaffold4917	4959	AA	TT	1940548545
SNP_P1_262878_4992	NW_004519175.1	Scaffold4917	4992	AA	TT	1940548547
SNP_P1_262879_5036	NW_004519175.1	Scaffold4917	5036	TT	AA	1940548549
SNP_P1_262880_5288	NW_004519175.1	Scaffold4917	5288	GG	AA	1940548551
SNP_P1_262881_5309	NW_004519175.1	Scaffold4917	5309	GG	TT	1940548553
SNP_P1_262882_5399	NW_004519175.1	Scaffold4917	5399	AA	TT	1940548555
SNP_P1_262883_5458	NW_004519175.1	Scaffold4917	5458	GG	AA	1940548557
SNP_P1_262884_5472	NW_004519175.1	Scaffold4917	5472	CC	GG	1940548559
SNP_P1_262886_5544	NW_004519175.1	Scaffold4917	5544	CC	AA	1940548561
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SNP_P1_262893_19201	NW_004519177.1	Scaffold4920	19201	AA	GG	1940548574
SNP_P1_262894_19212	NW_004519177.1	Scaffold4920	19212	AA	TT	1940548576
SNP_P1_262895_19335	NW_004519177.1	Scaffold4920	19335	TT	CC	1940548578
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SNP_P1_262897_19450	NW_004519177.1	Scaffold4920	19450	AA	GG	1940548582
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SNP_P1_262906_10672	NW_004519180.1	Scaffold4923	10672	AA	TT	1940548599
SNP_P1_262907_10778	NW_004519180.1	Scaffold4923	10778	GG	CC	1940548601
SNP_P1_262908_10819	NW_004519180.1	Scaffold4923	10819	CC	TT	1940548604
SNP_P1_262909_10862	NW_004519180.1	Scaffold4923	10862	CC	GG	1940548606
SNP_P1_262910_10875	NW_004519180.1	Scaffold4923	10875	CC	TT	1940548608
SNP_P1_262911_11024	NW_004519180.1	Scaffold4923	11024	CC	TT	1940548610
SNP_P1_262912_11028	NW_004519180.1	Scaffold4923	11028	CC	GG	1940548612
SNP_P1_262913_11059	NW_004519180.1	Scaffold4923	11059	TT	AA	1940548614
SNP_P1_262914_11060	NW_004519180.1	Scaffold4923	11060	CC	TT	1940548616

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262916_11116	NW_004519180.1	Scaffold4923	11116	CC	GG	1940548620
SNP_P1_262917_11136	NW_004519180.1	Scaffold4923	11136	CC	AA	1940548623
SNP_P1_262919_19692	NW_004519180.1	Scaffold4923	19692	TT	CC	1940548625
SNP_P1_262920_19729	NW_004519180.1	Scaffold4923	19729	AA	GG	1940548627
SNP_P1_262921_19828	NW_004519180.1	Scaffold4923	19828	AA	GG	1940548629
SNP_P1_262922_19865	NW_004519180.1	Scaffold4923	19865	TT	AA	1940548631
SNP_P1_262923_20006	NW_004519180.1	Scaffold4923	20006	AA	TT	1940548633
SNP_P1_262924_525	NW_004519184.1	Scaffold4928	525	AA	TT	1940548635
SNP_P1_262925_647	NW_004519186.1	Scaffold4930	647	AA	GG	1940548637
SNP_P1_262926_945	NW_004519186.1	Scaffold4930	945	CC	TT	1940548639
SNP_P1_262927_537	NW_004519192.1	Scaffold4937	537	TT	AA	1940548641
SNP_P1_262928_989	NW_004519192.1	Scaffold4937	989	CC	TT	1940548644
SNP_P1_262929_262	NW_004519196.1	Scaffold4941	262	CC	TT	1940548646
SNP_P1_262930_379	NW_004519196.1	Scaffold4941	379	GG	AA	1940548648
SNP_P1_262931_390	NW_004519196.1	Scaffold4941	390	AA	TT	1940548650
SNP_P1_262933_1024	NW_004519197.1	Scaffold4943	1024	GG	TT	1940548652
SNP_P1_262935_1380	NW_004519197.1	Scaffold4943	1380	TT	CC	1940548654
SNP_P1_262936_1501	NW_004519197.1	Scaffold4943	1501	AA	TT	1940548656
SNP_P1_262937_3974	NW_004519199.1	Scaffold4945	3974	TT	CC	1940548658
SNP_P1_262938_3977	NW_004519199.1	Scaffold4945	3977	TT	AA	1940548660
SNP_P1_262939_3982	NW_004519199.1	Scaffold4945	3982	TT	CC	1940548662
SNP_P1_262940_3991	NW_004519199.1	Scaffold4945	3991	AA	GG	1940548665
SNP_P1_262941_3994	NW_004519199.1	Scaffold4945	3994	CC	AA	1940548667
SNP_P1_262942_4002	NW_004519199.1	Scaffold4945	4002	TT	CC	1940548669
SNP_P1_262943_4018	NW_004519199.1	Scaffold4945	4018	CC	TT	1940548671
SNP_P1_262944_4051	NW_004519199.1	Scaffold4945	4051	CC	GG	1940548673
SNP_P1_262945_4187	NW_004519199.1	Scaffold4945	4187	GG	AA	1940548675
SNP_P1_262946_4198	NW_004519199.1	Scaffold4945	4198	CC	AA	1940548677
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SNP_P1_262949_4250	NW_004519199.1	Scaffold4945	4250	AA	GG	1940548681
SNP_P1_262950_4313	NW_004519199.1	Scaffold4945	4313	GG	AA	1940548683
SNP_P1_262951_4321	NW_004519199.1	Scaffold4945	4321	CC	TT	1940548686
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SNP_P1_262953_4370	NW_004519199.1	Scaffold4945	4370	TT	GG	1940548690
SNP_P1_262954_4424	NW_004519199.1	Scaffold4945	4424	AA	GG	1940548692
SNP_P1_262955_4513	NW_004519199.1	Scaffold4945	4513	GG	AA	1940548694
SNP_P1_262956_4572	NW_004519199.1	Scaffold4945	4572	TT	AA	1940548696
SNP_P1_262957_4589	NW_004519199.1	Scaffold4945	4589	TT	CC	1940548698
SNP_P1_262958_4603	NW_004519199.1	Scaffold4945	4603	AA	GG	1940548700
SNP_P1_262959_6461	NW_004519199.1	Scaffold4945	6461	AA	TT	1940548702
SNP_P1_262960_6464	NW_004519199.1	Scaffold4945	6464	GG	TT	1940548704

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_262962_8702	NW_004519199.1	Scaffold4945	8702	CC	TT	1940548709
SNP_P1_262963_649	NW_004519200.1	Scaffold4946	649	TT	AA	1940548711
SNP_P1_262964_654	NW_004519200.1	Scaffold4946	654	AA	TT	1940548713
SNP_P1_262965_842	NW_004519200.1	Scaffold4946	842	AA	GG	1940548715
SNP_P1_262966_849	NW_004519200.1	Scaffold4946	849	AA	CC	1940548717
SNP_P1_262967_1621	NW_004519204.1	Scaffold4951	1621	CC	GG	1940548719
SNP_P1_262968_1350	NW_004519205.1	Scaffold4952	1350	AA	TT	1940548721
SNP_P1_262969_549	NW_004519207.1	Scaffold4954	549	GG	CC	1940548723
SNP_P1_262970_702	NW_004519207.1	Scaffold4954	702	AA	TT	1940548725
SNP_P1_262971_710	NW_004519207.1	Scaffold4954	710	CC	TT	1940548728
SNP_P1_262972_790	NW_004519207.1	Scaffold4954	790	TT	CC	1940548730
SNP_P1_262973_1011	NW_004519207.1	Scaffold4954	1011	GG	CC	1940548732
SNP_P1_262974_792	NW_004519210.1	Scaffold4957	792	TT	AA	1940548734
SNP_P1_262975_794	NW_004519210.1	Scaffold4957	794	TT	GG	1940548736
SNP_P1_262976_796	NW_004519210.1	Scaffold4957	796	AA	TT	1940548738
SNP_P1_262977_840	NW_004519210.1	Scaffold4957	840	TT	GG	1940548740
SNP_P1_262978_841	NW_004519210.1	Scaffold4957	841	GG	AA	1940548742
SNP_P1_262979_580	NW_004519211.1	Scaffold4958	580	CC	TT	1940548744
SNP_P1_262980_843	NW_004519211.1	Scaffold4958	843	GG	TT	1940548746
SNP_P1_262981_857	NW_004519211.1	Scaffold4958	857	AA	GG	1940548749
SNP_P1_262982_858	NW_004519211.1	Scaffold4958	858	AA	GG	1940548751
SNP_P1_262983_448	NW_004519212.1	Scaffold4960	448	TT	GG	1940548753
SNP_P1_262984_1096	NW_004519212.1	Scaffold4960	1096	CC	AA	1940548755
SNP_P1_262985_1147	NW_004519212.1	Scaffold4960	1147	AA	TT	1940548757
SNP_P1_262986_1421	NW_004519212.1	Scaffold4960	1421	TT	AA	1940548759
SNP_P1_262988_1345	NW_004519218.1	Scaffold4970	1345	AA	GG	1940548761
SNP_P1_262989_1423	NW_004519218.1	Scaffold4970	1423	GG	TT	1940548763
SNP_P1_262990_1383	NW_004519220.1	Scaffold4972	1383	GG	AA	1940548765
SNP_P1_262991_1400	NW_004519220.1	Scaffold4972	1400	TT	GG	1940548767
SNP_P1_262992_1463	NW_004519220.1	Scaffold4972	1463	AA	TT	1940548770
SNP_P1_262993_4915	NW_004519222.1	Scaffold4975	4915	CC	AA	1940548772
SNP_P1_262994_286	NW_004519223.1	Scaffold4976	286	CC	TT	1940548774
SNP_P1_262995_868	NW_004519225.1	Scaffold4978	868	TT	AA	1940548776
SNP_P1_262996_904	NW_004519225.1	Scaffold4978	904	AA	GG	1940548778
SNP_P1_262997_1032	NW_004519225.1	Scaffold4978	1032	GG	AA	1940548780
SNP_P1_262998_1199	NW_004519225.1	Scaffold4978	1199	GG	TT	1940548782
SNP_P1_262999_1302	NW_004519225.1	Scaffold4978	1302	TT	CC	1940548784
SNP_P1_263000_29934	NW_004519225.1	Scaffold4978	29934	CC	AA	1940548786
SNP_P1_263002_367	NW_004519226.1	Scaffold4979	367	TT	AA	1940548788
SNP_P1_263003_755	NW_004519226.1	Scaffold4979	755	TT	CC	1940548791
SNP_P1_263004_1071	NW_004519228.1	Scaffold4981	1071	CC	GG	1940548793

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263006_1339	NW_004519229.1	Scaffold4982	1339	TT	CC	1940548797
SNP_P1_263007_129	NW_004519230.1	Scaffold4983	129	GG	AA	1940548799
SNP_P1_263008_1049	NW_004519230.1	Scaffold4983	1049	AA	CC	1940548801
SNP_P1_263009_1166	NW_004519230.1	Scaffold4983	1166	TT	CC	1940548803
SNP_P1_263011_19820	NW_004519230.1	Scaffold4983	19820	GG	TT	1940548805
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SNP_P1_263013_20850	NW_004519230.1	Scaffold4983	20850	TT	GG	1940548810
SNP_P1_263014_20853	NW_004519230.1	Scaffold4983	20853	CC	GG	1940548812
SNP_P1_263015_20901	NW_004519230.1	Scaffold4983	20901	AA	CC	1940548814
SNP_P1_263016_21187	NW_004519230.1	Scaffold4983	21187	GG	TT	1940548816
SNP_P1_263017_21208	NW_004519230.1	Scaffold4983	21208	AA	GG	1940548818
SNP_P1_263018_21230	NW_004519230.1	Scaffold4983	21230	GG	AA	1940548820
SNP_P1_263019_21256	NW_004519230.1	Scaffold4983	21256	AA	CC	1940548822
SNP_P1_263020_21314	NW_004519230.1	Scaffold4983	21314	AA	GG	1940548824
SNP_P1_263021_23642	NW_004519230.1	Scaffold4983	23642	TT	GG	1940548826
SNP_P1_263022_23805	NW_004519230.1	Scaffold4983	23805	AA	GG	1940548828
SNP_P1_263023_26981	NW_004519230.1	Scaffold4983	26981	TT	CC	1940548831
SNP_P1_263024_27039	NW_004519230.1	Scaffold4983	27039	GG	AA	1940548833
SNP_P1_263026_27491	NW_004519230.1	Scaffold4983	27491	AA	TT	1940548835
SNP_P1_263027_27914	NW_004519230.1	Scaffold4983	27914	AA	GG	1940548837
SNP_P1_263028_27943	NW_004519230.1	Scaffold4983	27943	CC	TT	1940548839
SNP_P1_263029_27976	NW_004519230.1	Scaffold4983	27976	TT	CC	1940548841
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SNP_P1_263031_117	NW_004519231.1	Scaffold4984	117	TT	GG	1940548845
SNP_P1_263032_354	NW_004519231.1	Scaffold4984	354	TT	AA	1940548847
SNP_P1_263033_516	NW_004519231.1	Scaffold4984	516	GG	TT	1940548850
SNP_P1_263034_648	NW_004519231.1	Scaffold4984	648	CC	GG	1940548852
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SNP_P1_263036_999	NW_004519231.1	Scaffold4984	999	AA	GG	1940548856
SNP_P1_263037_1012	NW_004519231.1	Scaffold4984	1012	AA	GG	1940548858
SNP_P1_263038_1048	NW_004519231.1	Scaffold4984	1048	AA	GG	1940548860
SNP_P1_263039_1053	NW_004519231.1	Scaffold4984	1053	AA	CC	1940548862
SNP_P1_263040_1323	NW_004519231.1	Scaffold4984	1323	AA	CC	1940548864
SNP_P1_263041_1899	NW_004519234.1	Scaffold4989	1899	CC	TT	1940548866
SNP_P1_263042_1966	NW_004519234.1	Scaffold4989	1966	AA	CC	1940548868
SNP_P1_263043_6809	NW_004519234.1	Scaffold4989	6809	TT	CC	1940548871
SNP_P1_263044_7095	NW_004519234.1	Scaffold4989	7095	TT	GG	1940548873
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SNP_P1_263046_889	NW_004519238.1	Scaffold4994	889	GG	AA	1940548877
SNP_P1_263047_976	NW_004519238.1	Scaffold4994	976	TT	GG	1940548879
SNP_P1_263048_403	NW_004519239.1	Scaffold4996	403	TT	AA	1940548881

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263051_1689	NW_004519239.1	Scaffold4996	1689	CC	TT	1940548887
SNP_P1_263052_1734	NW_004519239.1	Scaffold4996	1734	TT	CC	1940548889
SNP_P1_263053_2127	NW_004519239.1	Scaffold4996	2127	AA	TT	1940548892
SNP_P1_263054_426	NW_004519242.1	Scaffold5001	426	CC	TT	1940548894
SNP_P1_263055_872	NW_004519242.1	Scaffold5001	872	AA	CC	1940548896
SNP_P1_263056_1021	NW_004519242.1	Scaffold5001	1021	AA	GG	1940548898
SNP_P1_263057_1091	NW_004519242.1	Scaffold5001	1091	TT	GG	1940548900
SNP_P1_263058_1455	NW_004519243.1	Scaffold5003	1455	GG	TT	1940548902
SNP_P1_263059_398	NW_004519247.1	Scaffold5010	398	GG	TT	1940548904
SNP_P1_263060_551	NW_004519249.1	Scaffold5013	551	TT	GG	1940548906
SNP_P1_263061_564	NW_004519249.1	Scaffold5013	564	CC	GG	1940548908
SNP_P1_263062_108	NW_004519250.1	Scaffold5014	108	CC	GG	1940548910
SNP_P1_263063_405	NW_004519250.1	Scaffold5014	405	GG	AA	1940548912
SNP_P1_263065_4114	NW_004519251.1	Scaffold5016	4114	AA	GG	1940548915
SNP_P1_263066_4230	NW_004519251.1	Scaffold5016	4230	TT	AA	1940548917
SNP_P1_263067_4242	NW_004519251.1	Scaffold5016	4242	TT	AA	1940548919
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SNP_P1_263082_1048	NW_004519254.1	Scaffold5023	1048	AA	CC	1940548948
SNP_P1_263083_1467	NW_004519254.1	Scaffold5023	1467	CC	TT	1940548950
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SNP_P1_263086_8971	NW_004519254.1	Scaffold5023	8971	TT	GG	1940548954
SNP_P1_263087_9028	NW_004519254.1	Scaffold5023	9028	AA	CC	1940548957
SNP_P1_263088_9100	NW_004519254.1	Scaffold5023	9100	AA	GG	1940548959
SNP_P1_263089_9124	NW_004519254.1	Scaffold5023	9124	TT	GG	1940548961
SNP_P1_263090_9130	NW_004519254.1	Scaffold5023	9130	TT	CC	1940548963
SNP_P1_263091_9193	NW_004519254.1	Scaffold5023	9193	CC	TT	1940548965
SNP_P1_263092_9229	NW_004519254.1	Scaffold5023	9229	CC	GG	1940548967
SNP_P1_263093_9259	NW_004519254.1	Scaffold5023	9259	TT	CC	1940548969

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263096_734	NW_004519256.1	Scaffold5025	734	CC	AA	1940548975
SNP_P1_263097_752	NW_004519256.1	Scaffold5025	752	TT	AA	1940548978
SNP_P1_263099_587	NW_004519258.1	Scaffold5028	587	TT	AA	1940548980
SNP_P1_263100_654	NW_004519258.1	Scaffold5028	654	TT	CC	1940548982
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SNP_P1_263104_960	NW_004519258.1	Scaffold5028	960	GG	AA	1940548990
SNP_P1_263105_979	NW_004519258.1	Scaffold5028	979	CC	AA	1940548992
SNP_P1_263106_981	NW_004519258.1	Scaffold5028	981	AA	GG	1940548994
SNP_P1_263107_1039	NW_004519258.1	Scaffold5028	1039	AA	GG	1940548997
SNP_P1_263108_1054	NW_004519258.1	Scaffold5028	1054	TT	GG	1940548999
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SNP_P1_263112_527	NW_004519260.1	Scaffold5030	527	GG	CC	1940549007
SNP_P1_263113_803	NW_004519260.1	Scaffold5030	803	GG	AA	1940549009
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SNP_P1_263123_9552	NW_004519260.1	Scaffold5030	9552	AA	GG	1940549028
SNP_P1_263124_9785	NW_004519260.1	Scaffold5030	9785	TT	GG	1940549030
SNP_P1_263125_11438	NW_004519260.1	Scaffold5030	11438	AA	TT	1940549032
SNP_P1_263126_11445	NW_004519260.1	Scaffold5030	11445	CC	TT	1940549034
SNP_P1_263127_11755	NW_004519260.1	Scaffold5030	11755	TT	CC	1940549036
SNP_P1_263128_18514	NW_004519260.1	Scaffold5030	18514	CC	TT	1940549039
SNP_P1_263129_18551	NW_004519260.1	Scaffold5030	18551	TT	CC	1940549041
SNP_P1_263130_18693	NW_004519260.1	Scaffold5030	18693	AA	GG	1940549043
SNP_P1_263131_18885	NW_004519260.1	Scaffold5030	18885	TT	CC	1940549045
SNP_P1_263132_20198	NW_004519260.1	Scaffold5030	20198	TT	CC	1940549047
SNP_P1_263133_138	NW_004519261.1	Scaffold5031	138	AA	GG	1940549049
SNP_P1_263134_312	NW_004519261.1	Scaffold5031	312	CC	GG	1940549051
SNP_P1_263135_333	NW_004519261.1	Scaffold5031	333	TT	GG	1940549053
SNP_P1_263136_468	NW_004519261.1	Scaffold5031	468	GG	AA	1940549055
SNP_P1_263137_1391	NW_004519263.1	Scaffold5033	1391	AA	CC	1940549057

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263139_2151	NW_004519263.1	Scaffold5033	2151	CC	TT	1940549062
SNP_P1_263140_2176	NW_004519263.1	Scaffold5033	2176	AA	TT	1940549064
SNP_P1_263141_97	NW_004519269.1	Scaffold5043	97	GG	TT	1940549066
SNP_P1_263143_64	NW_004519278.1	Scaffold5059	64	CC	GG	1940549068
SNP_P1_263144_157	NW_004519278.1	Scaffold5059	157	GG	AA	1940549070
SNP_P1_263145_165	NW_004519278.1	Scaffold5059	165	GG	AA	1940549072
SNP_P1_263146_223	NW_004519278.1	Scaffold5059	223	AA	GG	1940549074
SNP_P1_263149_480	NW_004519278.1	Scaffold5059	480	AA	CC	1940549076
SNP_P1_263150_507	NW_004519278.1	Scaffold5059	507	GG	CC	1940549078
SNP_P1_263151_529	NW_004519278.1	Scaffold5059	529	GG	TT	1940549081
SNP_P1_263152_547	NW_004519278.1	Scaffold5059	547	CC	GG	1940549083
SNP_P1_263153_828	NW_004519278.1	Scaffold5059	828	CC	TT	1940549085
SNP_P1_263154_866	NW_004519278.1	Scaffold5059	866	CC	GG	1940549087
SNP_P1_263155_1447	NW_004519281.1	Scaffold5065	1447	CC	GG	1940549089
SNP_P1_263156_1480	NW_004519281.1	Scaffold5065	1480	AA	GG	1940549091
SNP_P1_263157_1533	NW_004519281.1	Scaffold5065	1533	TT	AA	1940549093
SNP_P1_263158_64	NW_004519286.1	Scaffold5072	64	AA	TT	1940549095
SNP_P1_263159_133	NW_004519286.1	Scaffold5072	133	GG	CC	1940549096
SNP_P1_263160_136	NW_004519286.1	Scaffold5072	136	GG	CC	1940549098
SNP_P1_263161_222	NW_004519286.1	Scaffold5072	222	GG	AA	1940549101
SNP_P1_263162_256	NW_004519286.1	Scaffold5072	256	TT	GG	1940549103
SNP_P1_263163_326	NW_004519286.1	Scaffold5072	326	TT	AA	1940549105
SNP_P1_263165_519	NW_004519286.1	Scaffold5072	519	TT	AA	1940549107
SNP_P1_263166_5655	NW_004519286.1	Scaffold5072	5655	AA	TT	1940549109
SNP_P1_263167_5668	NW_004519286.1	Scaffold5072	5668	TT	CC	1940549111
SNP_P1_263168_5687	NW_004519286.1	Scaffold5072	5687	AA	GG	1940549113
SNP_P1_263169_5716	NW_004519286.1	Scaffold5072	5716	CC	TT	1940549115
SNP_P1_263170_5746	NW_004519286.1	Scaffold5072	5746	CC	AA	1940549117
SNP_P1_263171_5896	NW_004519286.1	Scaffold5072	5896	CC	TT	1940549119
SNP_P1_263172_6028	NW_004519286.1	Scaffold5072	6028	TT	CC	1940549122
SNP_P1_263173_6109	NW_004519286.1	Scaffold5072	6109	AA	CC	1940549124
SNP_P1_263174_6231	NW_004519286.1	Scaffold5072	6231	AA	TT	1940549126
SNP_P1_263175_6235	NW_004519286.1	Scaffold5072	6235	GG	AA	1940549128
SNP_P1_263176_6264	NW_004519286.1	Scaffold5072	6264	CC	AA	1940549130
SNP_P1_263177_6272	NW_004519286.1	Scaffold5072	6272	CC	TT	1940549132
SNP_P1_263178_6287	NW_004519286.1	Scaffold5072	6287	CC	TT	1940549134
SNP_P1_263180_6321	NW_004519286.1	Scaffold5072	6321	TT	CC	1940549136
SNP_P1_263181_2003	NW_004519288.1	Scaffold5074	2003	CC	AA	1940549138
SNP_P1_263182_5532	NW_004519289.1	Scaffold5075	5532	TT	AA	1940549140
SNP_P1_263183_1233	NW_004519290.1	Scaffold5076	1233	AA	GG	1940549142
SNP_P1_263184_1351	NW_004519290.1	Scaffold5076	1351	GG	TT	1940549145

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263186_1396	NW_004519290.1	Scaffold5076	1396	AA	GG	1940549149
SNP_P1_263188_509	NW_004519294.1	Scaffold5082	509	TT	CC	1940549151
SNP_P1_263189_722	NW_004519294.1	Scaffold5082	722	AA	GG	1940549153
SNP_P1_263190_1165	NW_004519294.1	Scaffold5082	1165	CC	TT	1940549155
SNP_P1_263191_64	NW_004519295.1	Scaffold5083	64	CC	TT	1940549157
SNP_P1_263192_101	NW_004519295.1	Scaffold5083	101	AA	GG	1940549159
SNP_P1_263193_613	NW_004519295.1	Scaffold5083	613	AA	TT	1940549161
SNP_P1_263194_653	NW_004519295.1	Scaffold5083	653	AA	GG	1940549164
SNP_P1_263195_787	NW_004519295.1	Scaffold5083	787	CC	AA	1940549166
SNP_P1_263196_899	NW_004519295.1	Scaffold5083	899	AA	CC	1940549168
SNP_P1_263198_2415	NW_004519295.1	Scaffold5083	2415	AA	TT	1940549170
SNP_P1_263199_2772	NW_004519295.1	Scaffold5083	2772	CC	TT	1940549172
SNP_P1_263200_2779	NW_004519295.1	Scaffold5083	2779	CC	TT	1940549174
SNP_P1_263201_3009	NW_004519295.1	Scaffold5083	3009	GG	AA	1940549176
SNP_P1_263202_3917	NW_004519295.1	Scaffold5083	3917	CC	TT	1940549178
SNP_P1_263203_4108	NW_004519295.1	Scaffold5083	4108	CC	AA	1940549180
SNP_P1_263204_6072	NW_004519295.1	Scaffold5083	6072	CC	TT	1940549182
SNP_P1_263205_6219	NW_004519295.1	Scaffold5083	6219	TT	CC	1940549184
SNP_P1_263206_6251	NW_004519295.1	Scaffold5083	6251	GG	AA	1940549187
SNP_P1_263207_6314	NW_004519295.1	Scaffold5083	6314	AA	GG	1940549189
SNP_P1_263208_6448	NW_004519295.1	Scaffold5083	6448	CC	AA	1940549191
SNP_P1_263209_6545	NW_004519295.1	Scaffold5083	6545	TT	GG	1940549193
SNP_P1_263210_7066	NW_004519295.1	Scaffold5083	7066	AA	CC	1940549195
SNP_P1_263211_7284	NW_004519295.1	Scaffold5083	7284	TT	AA	1940549197
SNP_P1_263213_3337	NW_004519297.1	Scaffold5086	3337	GG	CC	1940549199
SNP_P1_263214_3459	NW_004519297.1	Scaffold5086	3459	AA	TT	1940549201
SNP_P1_263216_3185	NW_004519298.1	Scaffold5089	3185	TT	CC	1940549204
SNP_P1_263217_3213	NW_004519298.1	Scaffold5089	3213	GG	AA	1940549206
SNP_P1_263218_3271	NW_004519298.1	Scaffold5089	3271	CC	TT	1940549208
SNP_P1_263219_3286	NW_004519298.1	Scaffold5089	3286	AA	GG	1940549210
SNP_P1_263220_3328	NW_004519298.1	Scaffold5089	3328	AA	TT	1940549212
SNP_P1_263221_3383	NW_004519298.1	Scaffold5089	3383	GG	AA	1940549214
SNP_P1_263222_3396	NW_004519298.1	Scaffold5089	3396	TT	CC	1940549216
SNP_P1_263223_3421	NW_004519298.1	Scaffold5089	3421	TT	CC	1940549218
SNP_P1_263224_3432	NW_004519298.1	Scaffold5089	3432	CC	TT	1940549220
SNP_P1_263225_3483	NW_004519298.1	Scaffold5089	3483	CC	AA	1940549222
SNP_P1_263226_3489	NW_004519298.1	Scaffold5089	3489	AA	GG	1940549225
SNP_P1_263227_3530	NW_004519298.1	Scaffold5089	3530	AA	GG	1940549227
SNP_P1_263228_3535	NW_004519298.1	Scaffold5089	3535	GG	TT	1940549229
SNP_P1_263229_3578	NW_004519298.1	Scaffold5089	3578	GG	AA	1940549231
SNP_P1_263231_3735	NW_004519298.1	Scaffold5089	3735	TT	GG	1940549233

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263233_6062	NW_004519298.1	Scaffold5089	6062	TT	GG	1940549237
SNP_P1_263234_7358	NW_004519298.1	Scaffold5089	7358	AA	GG	1940549239
SNP_P1_263235_7481	NW_004519298.1	Scaffold5089	7481	CC	GG	1940549241
SNP_P1_263236_596	NW_004519299.1	Scaffold5090	596	CC	TT	1940549243
SNP_P1_263237_707	NW_004519300.1	Scaffold5094	707	AA	CC	1940549246
SNP_P1_263238_1044	NW_004519300.1	Scaffold5094	1044	CC	TT	1940549248
SNP_P1_263241_31	NW_004519305.1	Scaffold5103	31	GG	TT	1940549250
SNP_P1_263242_70	NW_004519305.1	Scaffold5103	70	TT	AA	1940549252
SNP_P1_263243_71	NW_004519305.1	Scaffold5103	71	AA	TT	1940549254
SNP_P1_263244_168	NW_004519305.1	Scaffold5103	168	TT	CC	1940549256
SNP_P1_263245_181	NW_004519305.1	Scaffold5103	181	GG	TT	1940549258
SNP_P1_263246_287	NW_004519305.1	Scaffold5103	287	GG	AA	1940549260
SNP_P1_263247_1454	NW_004519306.1	Scaffold5105	1454	AA	GG	1940549262
SNP_P1_263248_1965	NW_004519306.1	Scaffold5105	1965	GG	TT	1940549265
SNP_P1_263249_2088	NW_004519306.1	Scaffold5105	2088	GG	AA	1940549267
SNP_P1_263250_512	NW_004519308.1	Scaffold5111	512	CC	GG	1940549269
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SNP_P1_263252_582	NW_004519308.1	Scaffold5111	582	TT	CC	1940549273
SNP_P1_263253_603	NW_004519308.1	Scaffold5111	603	CC	AA	1940549275
SNP_P1_263254_776	NW_004519308.1	Scaffold5111	776	AA	TT	1940549277
SNP_P1_263255_792	NW_004519308.1	Scaffold5111	792	GG	AA	1940549279
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SNP_P1_263259_2029	NW_004519309.1	Scaffold5113	2029	GG	TT	1940549288
SNP_P1_263260_4653	NW_004519309.1	Scaffold5113	4653	AA	GG	1940549290
SNP_P1_263261_4716	NW_004519309.1	Scaffold5113	4716	AA	TT	1940549292
SNP_P1_263262_4775	NW_004519309.1	Scaffold5113	4775	TT	GG	1940549294
SNP_P1_263263_20252	NW_004519311.1	Scaffold5115	20252	GG	TT	1940549296
SNP_P1_263264_20422	NW_004519311.1	Scaffold5115	20422	GG	TT	1940549298
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SNP_P1_263266_20548	NW_004519311.1	Scaffold5115	20548	AA	CC	1940549302
SNP_P1_263268_20628	NW_004519311.1	Scaffold5115	20628	GG	TT	1940549304
SNP_P1_263269_20669	NW_004519311.1	Scaffold5115	20669	CC	AA	1940549307
SNP_P1_263270_20681	NW_004519311.1	Scaffold5115	20681	GG	CC	1940549309
SNP_P1_263271_20707	NW_004519311.1	Scaffold5115	20707	GG	AA	1940549311
SNP_P1_263272_20709	NW_004519311.1	Scaffold5115	20709	GG	AA	1940549313
SNP_P1_263273_20831	NW_004519311.1	Scaffold5115	20831	TT	GG	1940549315
SNP_P1_263274_23830	NW_004519311.1	Scaffold5115	23830	AA	GG	1940549317
SNP_P1_263275_1243	NW_004519314.1	Scaffold5120	1243	GG	TT	1940549319
SNP_P1_263276_1244	NW_004519314.1	Scaffold5120	1244	CC	AA	1940549321

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263278_12007	NW_004519314.1	Scaffold5120	12007	CC	TT	1940549326
SNP_P1_263281_15237	NW_004519314.1	Scaffold5120	15237	CC	TT	1940549328
SNP_P1_263283_15563	NW_004519314.1	Scaffold5120	15563	TT	CC	1940549330
SNP_P1_263284_16153	NW_004519314.1	Scaffold5120	16153	GG	AA	1940549332
SNP_P1_263285_16593	NW_004519314.1	Scaffold5120	16593	GG	AA	1940549334
SNP_P1_263286_22187	NW_004519314.1	Scaffold5120	22187	GG	AA	1940549336
SNP_P1_263287_531	NW_004519318.1	Scaffold5125	531	TT	AA	1940549338
SNP_P1_263288_617	NW_004519318.1	Scaffold5125	617	GG	TT	1940549340
SNP_P1_263289_653	NW_004519318.1	Scaffold5125	653	AA	GG	1940549342
SNP_P1_263290_977	NW_004519318.1	Scaffold5125	977	GG	TT	1940549344
SNP_P1_263291_6776	NW_004519319.1	Scaffold5126	6776	CC	GG	1940549347
SNP_P1_263292_9363	NW_004519319.1	Scaffold5126	9363	AA	TT	1940549349
SNP_P1_263293_9466	NW_004519319.1	Scaffold5126	9466	CC	TT	1940549351
SNP_P1_263294_1565	NW_004519322.1	Scaffold5129	1565	AA	CC	1940549353
SNP_P1_263295_1596	NW_004519322.1	Scaffold5129	1596	TT	CC	1940549355
SNP_P1_263296_1604	NW_004519322.1	Scaffold5129	1604	AA	GG	1940549357
SNP_P1_263297_1673	NW_004519322.1	Scaffold5129	1673	CC	TT	1940549359
SNP_P1_263298_1691	NW_004519322.1	Scaffold5129	1691	TT	CC	1940549361
SNP_P1_263299_1706	NW_004519322.1	Scaffold5129	1706	CC	TT	1940549363
SNP_P1_263300_1728	NW_004519322.1	Scaffold5129	1728	TT	CC	1940549365
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SNP_P1_263303_118	NW_004519324.1	Scaffold5135	118	AA	TT	1940549370
SNP_P1_263304_3260	NW_004519324.1	Scaffold5135	3260	AA	GG	1940549372
SNP_P1_263305_146	NW_004519328.1	Scaffold5143	146	CC	TT	1940549374
SNP_P1_263306_152	NW_004519328.1	Scaffold5143	152	GG	TT	1940549376
SNP_P1_263309_264	NW_004519331.1	Scaffold5146	264	TT	GG	1940549378
SNP_P1_263310_1703	NW_004519331.1	Scaffold5146	1703	TT	GG	1940549380
SNP_P1_263311_1995	NW_004519331.1	Scaffold5146	1995	GG	AA	1940549382
SNP_P1_263312_2306	NW_004519331.1	Scaffold5146	2306	AA	TT	1940549384
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SNP_P1_263315_2631	NW_004519333.1	Scaffold5149	2631	CC	AA	1940549391
SNP_P1_263317_1788	NW_004519337.1	Scaffold5155	1788	CC	AA	1940549393
SNP_P1_263319_1866	NW_004519337.1	Scaffold5155	1866	TT	CC	1940549395
SNP_P1_263320_1869	NW_004519337.1	Scaffold5155	1869	GG	AA	1940549397
SNP_P1_263321_2061	NW_004519337.1	Scaffold5155	2061	GG	CC	1940549399
SNP_P1_263322_2109	NW_004519337.1	Scaffold5155	2109	AA	TT	1940549401
SNP_P1_263323_2121	NW_004519337.1	Scaffold5155	2121	AA	TT	1940549403
SNP_P1_263324_2141	NW_004519337.1	Scaffold5155	2141	GG	AA	1940549405
SNP_P1_263325_2146	NW_004519337.1	Scaffold5155	2146	TT	AA	1940549407
SNP_P1_263326_2155	NW_004519337.1	Scaffold5155	2155	GG	AA	1940549410

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263328_2179	NW_004519337.1	Scaffold5155	2179	AA	CC	1940549414
SNP_P1_263329_2228	NW_004519337.1	Scaffold5155	2228	CC	AA	1940549416
SNP_P1_263330_2233	NW_004519337.1	Scaffold5155	2233	AA	GG	1940549418
SNP_P1_263331_2235	NW_004519337.1	Scaffold5155	2235	AA	GG	1940549420
SNP_P1_263332_2242	NW_004519337.1	Scaffold5155	2242	GG	AA	1940549422
SNP_P1_263333_2251	NW_004519337.1	Scaffold5155	2251	TT	GG	1940549424
SNP_P1_263334_2390	NW_004519337.1	Scaffold5155	2390	GG	AA	1940549426
SNP_P1_263335_4934	NW_004519337.1	Scaffold5155	4934	GG	TT	1940549428
SNP_P1_263336_4942	NW_004519337.1	Scaffold5155	4942	CC	GG	1940549431
SNP_P1_263337_4957	NW_004519337.1	Scaffold5155	4957	AA	TT	1940549433
SNP_P1_263338_5085	NW_004519337.1	Scaffold5155	5085	CC	GG	1940549435
SNP_P1_263339_5946	NW_004519337.1	Scaffold5155	5946	TT	CC	1940549437
SNP_P1_263341_453	NW_004519338.1	Scaffold5156	453	TT	CC	1940549439
SNP_P1_263342_847	NW_004519338.1	Scaffold5156	847	GG	AA	1940549441
SNP_P1_263343_4734	NW_004519339.1	Scaffold5157	4734	TT	AA	1940549443
SNP_P1_263344_11097	NW_004519339.1	Scaffold5157	11097	CC	GG	1940549445
SNP_P1_263345_13349	NW_004519339.1	Scaffold5157	13349	GG	CC	1940549447
SNP_P1_263346_13395	NW_004519339.1	Scaffold5157	13395	CC	AA	1940549449
SNP_P1_263347_13647	NW_004519339.1	Scaffold5157	13647	GG	AA	1940549452
SNP_P1_263348_13668	NW_004519339.1	Scaffold5157	13668	AA	GG	1940549454
SNP_P1_263349_13702	NW_004519339.1	Scaffold5157	13702	AA	GG	1940549456
SNP_P1_263351_22155	NW_004519339.1	Scaffold5157	22155	CC	GG	1940549458
SNP_P1_263352_5360	NW_004519340.1	Scaffold5158	5360	AA	GG	1940549460
SNP_P1_263353_5424	NW_004519340.1	Scaffold5158	5424	TT	CC	1940549462
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SNP_P1_263356_6473	NW_004519340.1	Scaffold5158	6473	TT	CC	1940549466
SNP_P1_263358_6597	NW_004519340.1	Scaffold5158	6597	TT	CC	1940549468
SNP_P1_263359_6620	NW_004519340.1	Scaffold5158	6620	GG	TT	1940549471
SNP_P1_263360_6808	NW_004519340.1	Scaffold5158	6808	TT	AA	1940549473
SNP_P1_263361_6846	NW_004519340.1	Scaffold5158	6846	TT	AA	1940549475
SNP_P1_263362_6955	NW_004519340.1	Scaffold5158	6955	CC	AA	1940549477
SNP_P1_263363_8300	NW_004519340.1	Scaffold5158	8300	CC	TT	1940549479
SNP_P1_263364_8320	NW_004519340.1	Scaffold5158	8320	GG	AA	1940549481
SNP_P1_263365_8538	NW_004519340.1	Scaffold5158	8538	GG	TT	1940549483
SNP_P1_263366_8552	NW_004519340.1	Scaffold5158	8552	GG	TT	1940549485
SNP_P1_263368_10075	NW_004519340.1	Scaffold5158	10075	AA	CC	1940549487
SNP_P1_263370_10686	NW_004519340.1	Scaffold5158	10686	TT	AA	1940549489
SNP_P1_263371_11807	NW_004519340.1	Scaffold5158	11807	TT	GG	1940549492
SNP_P1_263372_11825	NW_004519340.1	Scaffold5158	11825	AA	TT	1940549494
SNP_P1_263373_12811	NW_004519340.1	Scaffold5158	12811	GG	CC	1940549496
SNP_P1_263374_13196	NW_004519340.1	Scaffold5158	13196	TT	CC	1940549498

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263376_13314	NW_004519340.1	Scaffold5158	13314	AA	GG	1940549502
SNP_P1_263377_13365	NW_004519340.1	Scaffold5158	13365	GG	AA	1940549504
SNP_P1_263378_13376	NW_004519340.1	Scaffold5158	13376	AA	CC	1940549506
SNP_P1_263380_13557	NW_004519340.1	Scaffold5158	13557	GG	TT	1940549508
SNP_P1_263381_13671	NW_004519340.1	Scaffold5158	13671	CC	AA	1940549511
SNP_P1_263382_13766	NW_004519340.1	Scaffold5158	13766	CC	TT	1940549513
SNP_P1_263384_14011	NW_004519340.1	Scaffold5158	14011	TT	GG	1940549515
SNP_P1_263385_14060	NW_004519340.1	Scaffold5158	14060	CC	GG	1940549517
SNP_P1_263386_14159	NW_004519340.1	Scaffold5158	14159	TT	CC	1940549519
SNP_P1_263387_14192	NW_004519340.1	Scaffold5158	14192	TT	CC	1940549521
SNP_P1_263388_14216	NW_004519340.1	Scaffold5158	14216	TT	CC	1940549523
SNP_P1_263389_14304	NW_004519340.1	Scaffold5158	14304	AA	GG	1940549525
SNP_P1_263390_14316	NW_004519340.1	Scaffold5158	14316	GG	TT	1940549527
SNP_P1_263391_14325	NW_004519340.1	Scaffold5158	14325	AA	TT	1940549529
SNP_P1_263392_14494	NW_004519340.1	Scaffold5158	14494	GG	TT	1940549532
SNP_P1_263393_14610	NW_004519340.1	Scaffold5158	14610	GG	AA	1940549534
SNP_P1_263394_14615	NW_004519340.1	Scaffold5158	14615	TT	AA	1940549536
SNP_P1_263395_16527	NW_004519340.1	Scaffold5158	16527	CC	TT	1940549538
SNP_P1_263396_16673	NW_004519340.1	Scaffold5158	16673	CC	TT	1940549540
SNP_P1_263397_16702	NW_004519340.1	Scaffold5158	16702	TT	CC	1940549542
SNP_P1_263398_16746	NW_004519340.1	Scaffold5158	16746	CC	TT	1940549544
SNP_P1_263399_16793	NW_004519340.1	Scaffold5158	16793	TT	CC	1940549546
SNP_P1_263400_16812	NW_004519340.1	Scaffold5158	16812	GG	AA	1940549548
SNP_P1_263401_16843	NW_004519340.1	Scaffold5158	16843	AA	GG	1940549551
SNP_P1_263402_16941	NW_004519340.1	Scaffold5158	16941	GG	AA	1940549553
SNP_P1_263403_17025	NW_004519340.1	Scaffold5158	17025	AA	GG	1940549555
SNP_P1_263404_17115	NW_004519340.1	Scaffold5158	17115	TT	CC	1940549557
SNP_P1_263405_17138	NW_004519340.1	Scaffold5158	17138	CC	AA	1940549559
SNP_P1_263406_17140	NW_004519340.1	Scaffold5158	17140	GG	AA	1940549561
SNP_P1_263407_17208	NW_004519340.1	Scaffold5158	17208	AA	GG	1940549563
SNP_P1_263408_17289	NW_004519340.1	Scaffold5158	17289	AA	GG	1940549565
SNP_P1_263409_17298	NW_004519340.1	Scaffold5158	17298	TT	GG	1940549567
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SNP_P1_263411_17405	NW_004519340.1	Scaffold5158	17405	GG	AA	1940549572
SNP_P1_263412_17410	NW_004519340.1	Scaffold5158	17410	TT	CC	1940549574
SNP_P1_263413_17436	NW_004519340.1	Scaffold5158	17436	GG	AA	1940549576
SNP_P1_263414_17490	NW_004519340.1	Scaffold5158	17490	AA	GG	1940549578
SNP_P1_263415_17631	NW_004519340.1	Scaffold5158	17631	GG	AA	1940549580
SNP_P1_263416_17683	NW_004519340.1	Scaffold5158	17683	TT	CC	1940549582
SNP_P1_263417_17684	NW_004519340.1	Scaffold5158	17684	GG	AA	1940549584
SNP_P1_263418_17794	NW_004519340.1	Scaffold5158	17794	CC	TT	1940549586

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263421_18216	NW_004519340.1	Scaffold5158	18216	TT	CC	1940549591
SNP_P1_263422_18689	NW_004519340.1	Scaffold5158	18689	AA	GG	1940549593
SNP_P1_263423_18782	NW_004519340.1	Scaffold5158	18782	GG	AA	1940549595
SNP_P1_263424_18937	NW_004519340.1	Scaffold5158	18937	TT	CC	1940549597
SNP_P1_263425_19012	NW_004519340.1	Scaffold5158	19012	AA	GG	1940549599
SNP_P1_263426_19046	NW_004519340.1	Scaffold5158	19046	AA	TT	1940549601
SNP_P1_263427_19047	NW_004519340.1	Scaffold5158	19047	AA	GG	1940549603
SNP_P1_263428_21446	NW_004519340.1	Scaffold5158	21446	GG	AA	1940549605
SNP_P1_263429_21492	NW_004519340.1	Scaffold5158	21492	CC	TT	1940549607
SNP_P1_263430_21584	NW_004519340.1	Scaffold5158	21584	TT	CC	1940549609
SNP_P1_263431_1174	NW_004519343.1	Scaffold5161	1174	TT	GG	1940549612
SNP_P1_263432_1208	NW_004519343.1	Scaffold5161	1208	GG	AA	1940549614
SNP_P1_263433_1278	NW_004519343.1	Scaffold5161	1278	TT	CC	1940549616
SNP_P1_263434_1098	NW_004519347.1	Scaffold5165	1098	TT	CC	1940549618
SNP_P1_263435_1127	NW_004519347.1	Scaffold5165	1127	AA	TT	1940549620
SNP_P1_263436_1141	NW_004519347.1	Scaffold5165	1141	CC	AA	1940549622
SNP_P1_263437_1255	NW_004519347.1	Scaffold5165	1255	CC	AA	1940549624
SNP_P1_263438_1311	NW_004519347.1	Scaffold5165	1311	TT	AA	1940549626
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SNP_P1_263440_1328	NW_004519347.1	Scaffold5165	1328	AA	GG	1940549630
SNP_P1_263441_1331	NW_004519347.1	Scaffold5165	1331	CC	AA	1940549633
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SNP_P1_263443_1429	NW_004519347.1	Scaffold5165	1429	TT	AA	1940549637
SNP_P1_263444_1431	NW_004519347.1	Scaffold5165	1431	GG	TT	1940549639
SNP_P1_263445_1434	NW_004519347.1	Scaffold5165	1434	GG	CC	1940549641
SNP_P1_263447_1639	NW_004519347.1	Scaffold5165	1639	AA	TT	1940549643
SNP_P1_263448_1684	NW_004519347.1	Scaffold5165	1684	CC	TT	1940549645
SNP_P1_263449_1689	NW_004519347.1	Scaffold5165	1689	GG	TT	1940549647
SNP_P1_263450_1763	NW_004519347.1	Scaffold5165	1763	TT	CC	1940549649
SNP_P1_263451_1829	NW_004519347.1	Scaffold5165	1829	AA	CC	1940549651
SNP_P1_263452_491	NW_004519348.1	Scaffold5166	491	CC	TT	1940549654
SNP_P1_263453_19149	NW_004519350.1	Scaffold5168	19149	AA	TT	1940549656
SNP_P1_263454_463	NW_004519356.1	Scaffold5180	463	CC	TT	1940549658
SNP_P1_263455_5141	NW_004519358.1	Scaffold5185	5141	CC	GG	1940549660
SNP_P1_263456_5145	NW_004519358.1	Scaffold5185	5145	CC	TT	1940549662
SNP_P1_263457_5418	NW_004519358.1	Scaffold5185	5418	AA	CC	1940549664
SNP_P1_263458_5427	NW_004519358.1	Scaffold5185	5427	GG	CC	1940549666
SNP_P1_263459_5428	NW_004519358.1	Scaffold5185	5428	GG	AA	1940549668
SNP_P1_263460_5437	NW_004519358.1	Scaffold5185	5437	AA	GG	1940549670
SNP_P1_263461_5793	NW_004519358.1	Scaffold5185	5793	TT	GG	1940549672
SNP_P1_263462_6028	NW_004519358.1	Scaffold5185	6028	AA	GG	1940549675

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263465_7460	NW_004519359.1	Scaffold5186	7460	CC	TT	1940549679
SNP_P1_263466_7606	NW_004519359.1	Scaffold5186	7606	CC	AA	1940549681
SNP_P1_263467_7643	NW_004519359.1	Scaffold5186	7643	AA	TT	1940549683
SNP_P1_263468_7717	NW_004519359.1	Scaffold5186	7717	TT	CC	1940549685
SNP_P1_263469_7880	NW_004519359.1	Scaffold5186	7880	TT	GG	1940549687
SNP_P1_263470_7975	NW_004519359.1	Scaffold5186	7975	AA	GG	1940549689
SNP_P1_263471_8015	NW_004519359.1	Scaffold5186	8015	TT	CC	1940549691
SNP_P1_263472_8253	NW_004519359.1	Scaffold5186	8253	CC	GG	1940549694
SNP_P1_263473_8264	NW_004519359.1	Scaffold5186	8264	AA	GG	1940549696
SNP_P1_263474_8396	NW_004519359.1	Scaffold5186	8396	TT	CC	1940549698
SNP_P1_263475_8400	NW_004519359.1	Scaffold5186	8400	CC	TT	1940549700
SNP_P1_263476_8461	NW_004519359.1	Scaffold5186	8461	CC	AA	1940549702
SNP_P1_263477_8469	NW_004519359.1	Scaffold5186	8469	TT	CC	1940549704
SNP_P1_263479_9113	NW_004519359.1	Scaffold5186	9113	AA	CC	1940549706
SNP_P1_263480_9146	NW_004519359.1	Scaffold5186	9146	AA	GG	1940549708
SNP_P1_263481_9706	NW_004519359.1	Scaffold5186	9706	AA	GG	1940549710
SNP_P1_263482_9900	NW_004519359.1	Scaffold5186	9900	AA	TT	1940549712
SNP_P1_263483_9912	NW_004519359.1	Scaffold5186	9912	TT	AA	1940549714
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SNP_P1_263491_10577	NW_004519359.1	Scaffold5186	10577	TT	GG	1940549727
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SNP_P1_263496_10898	NW_004519359.1	Scaffold5186	10898	CC	TT	1940549738
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SNP_P1_263499_11746	NW_004519359.1	Scaffold5186	11746	TT	CC	1940549744
SNP_P1_263500_12137	NW_004519359.1	Scaffold5186	12137	TT	AA	1940549746
SNP_P1_263501_12422	NW_004519359.1	Scaffold5186	12422	CC	GG	1940549748
SNP_P1_263502_12966	NW_004519359.1	Scaffold5186	12966	TT	AA	1940549750
SNP_P1_263503_13008	NW_004519359.1	Scaffold5186	13008	TT	GG	1940549752
SNP_P1_263504_13266	NW_004519359.1	Scaffold5186	13266	AA	TT	1940549755
SNP_P1_263505_13533	NW_004519359.1	Scaffold5186	13533	TT	CC	1940549757
SNP_P1_263506_13933	NW_004519359.1	Scaffold5186	13933	GG	AA	1940549759
SNP_P1_263507_14043	NW_004519359.1	Scaffold5186	14043	TT	AA	1940549761
SNP_P1_263508_14296	NW_004519359.1	Scaffold5186	14296	CC	GG	1940549763

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263510_14494	NW_004519359.1	Scaffold5186	14494	TT	CC	1940549767
SNP_P1_263511_14796	NW_004519359.1	Scaffold5186	14796	TT	CC	1940549769
SNP_P1_263512_14932	NW_004519359.1	Scaffold5186	14932	TT	CC	1940549771
SNP_P1_263513_15096	NW_004519359.1	Scaffold5186	15096	GG	AA	1940549773
SNP_P1_263514_15165	NW_004519359.1	Scaffold5186	15165	GG	TT	1940549776
SNP_P1_263515_15295	NW_004519359.1	Scaffold5186	15295	GG	CC	1940549778
SNP_P1_263516_15449	NW_004519359.1	Scaffold5186	15449	CC	TT	1940549780
SNP_P1_263517_15492	NW_004519359.1	Scaffold5186	15492	TT	GG	1940549782
SNP_P1_263518_15573	NW_004519359.1	Scaffold5186	15573	CC	TT	1940549784
SNP_P1_263519_15678	NW_004519359.1	Scaffold5186	15678	AA	CC	1940549786
SNP_P1_263520_15817	NW_004519359.1	Scaffold5186	15817	TT	CC	1940549788
SNP_P1_263521_15842	NW_004519359.1	Scaffold5186	15842	CC	TT	1940549790
SNP_P1_263522_15863	NW_004519359.1	Scaffold5186	15863	GG	AA	1940549792
SNP_P1_263523_15952	NW_004519359.1	Scaffold5186	15952	CC	GG	1940549795
SNP_P1_263524_16040	NW_004519359.1	Scaffold5186	16040	CC	GG	1940549797
SNP_P1_263525_16108	NW_004519359.1	Scaffold5186	16108	CC	TT	1940549799
SNP_P1_263526_16226	NW_004519359.1	Scaffold5186	16226	CC	GG	1940549801
SNP_P1_263527_16236	NW_004519359.1	Scaffold5186	16236	CC	AA	1940549803
SNP_P1_263528_16634	NW_004519359.1	Scaffold5186	16634	AA	TT	1940549805
SNP_P1_263529_16884	NW_004519359.1	Scaffold5186	16884	TT	CC	1940549807
SNP_P1_263530_16956	NW_004519359.1	Scaffold5186	16956	AA	GG	1940549809
SNP_P1_263531_16969	NW_004519359.1	Scaffold5186	16969	TT	CC	1940549811
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SNP_P1_263534_17277	NW_004519359.1	Scaffold5186	17277	CC	GG	1940549818
SNP_P1_263536_17313	NW_004519359.1	Scaffold5186	17313	GG	AA	1940549820
SNP_P1_263537_17314	NW_004519359.1	Scaffold5186	17314	AA	TT	1940549822
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SNP_P1_263539_19307	NW_004519359.1	Scaffold5186	19307	AA	TT	1940549826
SNP_P1_263540_19656	NW_004519359.1	Scaffold5186	19656	TT	CC	1940549828
SNP_P1_263541_19942	NW_004519359.1	Scaffold5186	19942	AA	CC	1940549830
SNP_P1_263542_20213	NW_004519359.1	Scaffold5186	20213	TT	AA	1940549832
SNP_P1_263543_20312	NW_004519359.1	Scaffold5186	20312	GG	AA	1940549835
SNP_P1_263544_20338	NW_004519359.1	Scaffold5186	20338	AA	GG	1940549837
SNP_P1_263545_20452	NW_004519359.1	Scaffold5186	20452	AA	CC	1940549839
SNP_P1_263546_20601	NW_004519359.1	Scaffold5186	20601	AA	GG	1940549841
SNP_P1_263547_20646	NW_004519359.1	Scaffold5186	20646	GG	CC	1940549843
SNP_P1_263548_20752	NW_004519359.1	Scaffold5186	20752	CC	TT	1940549845
SNP_P1_263549_20804	NW_004519359.1	Scaffold5186	20804	AA	TT	1940549847
SNP_P1_263550_21198	NW_004519359.1	Scaffold5186	21198	TT	GG	1940549849
SNP_P1_263551_21300	NW_004519359.1	Scaffold5186	21300	AA	CC	1940549851

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263553_23576	NW_004519359.1	Scaffold5186	23576	GG	TT	1940549856
SNP_P1_263554_23868	NW_004519359.1	Scaffold5186	23868	TT	CC	1940549858
SNP_P1_263555_24165	NW_004519359.1	Scaffold5186	24165	TT	CC	1940549860
SNP_P1_263556_26816	NW_004519359.1	Scaffold5186	26816	AA	GG	1940549862
SNP_P1_263557_26833	NW_004519359.1	Scaffold5186	26833	CC	AA	1940549864
SNP_P1_263558_26868	NW_004519359.1	Scaffold5186	26868	AA	GG	1940549866
SNP_P1_263559_26870	NW_004519359.1	Scaffold5186	26870	GG	TT	1940549868
SNP_P1_263560_26879	NW_004519359.1	Scaffold5186	26879	CC	TT	1940549870
SNP_P1_263561_26907	NW_004519359.1	Scaffold5186	26907	GG	TT	1940549872
SNP_P1_263562_27014	NW_004519359.1	Scaffold5186	27014	AA	GG	1940549875
SNP_P1_263563_27055	NW_004519359.1	Scaffold5186	27055	CC	TT	1940549877
SNP_P1_263565_27960	NW_004519359.1	Scaffold5186	27960	TT	CC	1940549879
SNP_P1_263567_5234	NW_004519364.1	Scaffold5195	5234	AA	GG	1940549881
SNP_P1_263568_5274	NW_004519364.1	Scaffold5195	5274	TT	CC	1940549883
SNP_P1_263569_5332	NW_004519364.1	Scaffold5195	5332	TT	CC	1940549885
SNP_P1_263570_5333	NW_004519364.1	Scaffold5195	5333	TT	AA	1940549887
SNP_P1_263571_6370	NW_004519364.1	Scaffold5195	6370	CC	AA	1940549889
SNP_P1_263572_6374	NW_004519364.1	Scaffold5195	6374	CC	GG	1940549891
SNP_P1_263574_1243	NW_004519365.1	Scaffold5198	1243	GG	TT	1940549893
SNP_P1_263575_2029	NW_004519365.1	Scaffold5198	2029	AA	CC	1940549896
SNP_P1_263576_2335	NW_004519365.1	Scaffold5198	2335	AA	GG	1940549898
SNP_P1_263577_4038	NW_004519365.1	Scaffold5198	4038	CC	TT	1940549900
SNP_P1_263578_4039	NW_004519365.1	Scaffold5198	4039	GG	AA	1940549902
SNP_P1_263579_4043	NW_004519365.1	Scaffold5198	4043	CC	GG	1940549904
SNP_P1_263580_4044	NW_004519365.1	Scaffold5198	4044	AA	TT	1940549906
SNP_P1_263581_339	NW_004519366.1	Scaffold5199	339	AA	TT	1940549908
SNP_P1_263582_341	NW_004519366.1	Scaffold5199	341	GG	AA	1940549910
SNP_P1_263584_385	NW_004519366.1	Scaffold5199	385	TT	CC	1940549912
SNP_P1_263585_451	NW_004519366.1	Scaffold5199	451	TT	GG	1940549914
SNP_P1_263586_680	NW_004519366.1	Scaffold5199	680	AA	TT	1940549917
SNP_P1_263587_829	NW_004519366.1	Scaffold5199	829	AA	TT	1940549919
SNP_P1_263588_924	NW_004519366.1	Scaffold5199	924	CC	GG	1940549921
SNP_P1_263589_926	NW_004519366.1	Scaffold5199	926	AA	GG	1940549923
SNP_P1_263590_946	NW_004519366.1	Scaffold5199	946	GG	AA	1940549925
SNP_P1_263591_312	NW_004519367.1	Scaffold5200	312	AA	GG	1940549927
SNP_P1_263592_2081	NW_004519368.1	Scaffold5201	2081	CC	GG	1940549929
SNP_P1_263593_64	NW_004519369.1	Scaffold5202	64	AA	CC	1940549931
SNP_P1_263594_106	NW_004519369.1	Scaffold5202	106	AA	GG	1940549933
SNP_P1_263595_123	NW_004519369.1	Scaffold5202	123	GG	AA	1940549935
SNP_P1_263596_209	NW_004519369.1	Scaffold5202	209	TT	CC	1940549938
SNP_P1_263597_210	NW_004519369.1	Scaffold5202	210	AA	TT	1940549940

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263599_167	NW_004519370.1	Scaffold5204	167	CC	TT	1940549944
SNP_P1_263600_491	NW_004519370.1	Scaffold5204	491	AA	GG	1940549946
SNP_P1_263601_501	NW_004519370.1	Scaffold5204	501	AA	CC	1940549948
SNP_P1_263602_509	NW_004519370.1	Scaffold5204	509	CC	TT	1940549950
SNP_P1_263603_569	NW_004519370.1	Scaffold5204	569	GG	AA	1940549952
SNP_P1_263604_573	NW_004519370.1	Scaffold5204	573	CC	TT	1940549954
SNP_P1_263605_616	NW_004519370.1	Scaffold5204	616	GG	CC	1940549956
SNP_P1_263606_987	NW_004519370.1	Scaffold5204	987	TT	AA	1940549959
SNP_P1_263607_1000	NW_004519370.1	Scaffold5204	1000	TT	AA	1940549961
SNP_P1_263608_1039	NW_004519370.1	Scaffold5204	1039	CC	AA	1940549963
SNP_P1_263609_1048	NW_004519370.1	Scaffold5204	1048	AA	CC	1940549965
SNP_P1_263610_1057	NW_004519370.1	Scaffold5204	1057	GG	AA	1940549967
SNP_P1_263611_1270	NW_004519370.1	Scaffold5204	1270	AA	GG	1940549969
SNP_P1_263612_1317	NW_004519370.1	Scaffold5204	1317	AA	GG	1940549971
SNP_P1_263613_529	NW_004519371.1	Scaffold5206	529	TT	CC	1940549973
SNP_P1_263614_161	NW_004519372.1	Scaffold5207	161	CC	TT	1940549975
SNP_P1_263615_611	NW_004519372.1	Scaffold5207	611	CC	TT	1940549977
SNP_P1_263616_621	NW_004519372.1	Scaffold5207	621	TT	GG	1940549980
SNP_P1_263617_749	NW_004519372.1	Scaffold5207	749	CC	TT	1940549982
SNP_P1_263618_751	NW_004519372.1	Scaffold5207	751	TT	CC	1940549984
SNP_P1_263619_830	NW_004519372.1	Scaffold5207	830	TT	GG	1940549986
SNP_P1_263620_1603	NW_004519373.1	Scaffold5208	1603	AA	CC	1940549988
SNP_P1_263621_371	NW_004519374.1	Scaffold5209	371	TT	CC	1940549990
SNP_P1_263622_1240	NW_004519374.1	Scaffold5209	1240	TT	CC	1940549992
SNP_P1_263623_1268	NW_004519374.1	Scaffold5209	1268	CC	TT	1940549994
SNP_P1_263624_1279	NW_004519374.1	Scaffold5209	1279	AA	TT	1940549996
SNP_P1_263625_948	NW_004519376.1	Scaffold5211	948	AA	TT	1940549998
SNP_P1_263626_1179	NW_004519376.1	Scaffold5211	1179	GG	TT	1940550001
SNP_P1_263627_1281	NW_004519376.1	Scaffold5211	1281	CC	TT	1940550003
SNP_P1_263628_1357	NW_004519376.1	Scaffold5211	1357	CC	AA	1940550005
SNP_P1_263629_1659	NW_004519376.1	Scaffold5211	1659	CC	TT	1940550007
SNP_P1_263630_1804	NW_004519376.1	Scaffold5211	1804	TT	CC	1940550009
SNP_P1_263631_1869	NW_004519376.1	Scaffold5211	1869	CC	TT	1940550011
SNP_P1_263632_2216	NW_004519376.1	Scaffold5211	2216	AA	GG	1940550013
SNP_P1_263633_2317	NW_004519376.1	Scaffold5211	2317	TT	CC	1940550015
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SNP_P1_263635_2545	NW_004519376.1	Scaffold5211	2545	GG	AA	1940550019
SNP_P1_263637_2738	NW_004519376.1	Scaffold5211	2738	GG	TT	1940550022
SNP_P1_263638_2782	NW_004519376.1	Scaffold5211	2782	CC	AA	1940550024
SNP_P1_263639_2893	NW_004519376.1	Scaffold5211	2893	GG	AA	1940550026
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263642_3382	NW_004519376.1	Scaffold5211	3382	TT	CC	1940550032
SNP_P1_263643_3522	NW_004519376.1	Scaffold5211	3522	GG	AA	1940550034
SNP_P1_263644_3657	NW_004519376.1	Scaffold5211	3657	CC	TT	1940550036
SNP_P1_263646_3778	NW_004519376.1	Scaffold5211	3778	GG	TT	1940550038
SNP_P1_263647_3789	NW_004519376.1	Scaffold5211	3789	AA	CC	1940550040
SNP_P1_263648_3816	NW_004519376.1	Scaffold5211	3816	CC	AA	1940550043
SNP_P1_263649_3850	NW_004519376.1	Scaffold5211	3850	CC	TT	1940550045
SNP_P1_263650_3869	NW_004519376.1	Scaffold5211	3869	AA	CC	1940550047
SNP_P1_263651_4013	NW_004519376.1	Scaffold5211	4013	GG	AA	1940550049
SNP_P1_263652_4094	NW_004519376.1	Scaffold5211	4094	GG	AA	1940550051
SNP_P1_263653_4104	NW_004519376.1	Scaffold5211	4104	TT	CC	1940550053
SNP_P1_263654_4565	NW_004519376.1	Scaffold5211	4565	AA	GG	1940550055
SNP_P1_263655_4900	NW_004519376.1	Scaffold5211	4900	GG	AA	1940550057
SNP_P1_263656_4971	NW_004519376.1	Scaffold5211	4971	AA	GG	1940550059
SNP_P1_263657_5329	NW_004519376.1	Scaffold5211	5329	AA	GG	1940550062
SNP_P1_263658_5474	NW_004519376.1	Scaffold5211	5474	TT	CC	1940550064
SNP_P1_263659_5720	NW_004519376.1	Scaffold5211	5720	TT	GG	1940550066
SNP_P1_263660_5808	NW_004519376.1	Scaffold5211	5808	CC	GG	1940550068
SNP_P1_263661_400	NW_004519381.1	Scaffold5222	400	GG	AA	1940550070
SNP_P1_263662_499	NW_004519381.1	Scaffold5222	499	AA	TT	1940550072
SNP_P1_263663_546	NW_004519381.1	Scaffold5222	546	CC	TT	1940550074
SNP_P1_263664_569	NW_004519381.1	Scaffold5222	569	CC	GG	1940550076
SNP_P1_263665_535	NW_004519385.1	Scaffold5226	535	CC	TT	1940550078
SNP_P1_263666_7345	NW_004519385.1	Scaffold5226	7345	GG	AA	1940550080
SNP_P1_263667_18163	NW_004519385.1	Scaffold5226	18163	AA	CC	1940550083
SNP_P1_263668_223	NW_004519387.1	Scaffold5228	223	AA	TT	1940550085
SNP_P1_263669_62	NW_004519388.1	Scaffold5229	62	GG	CC	1940550087
SNP_P1_263670_80	NW_004519388.1	Scaffold5229	80	AA	GG	1940550089
SNP_P1_263671_119	NW_004519390.1	Scaffold5234	119	TT	CC	1940550091
SNP_P1_263672_444	NW_004519390.1	Scaffold5234	444	GG	TT	1940550093
SNP_P1_263673_445	NW_004519390.1	Scaffold5234	445	CC	AA	1940550095
SNP_P1_263674_446	NW_004519390.1	Scaffold5234	446	TT	GG	1940550097
SNP_P1_263675_447	NW_004519390.1	Scaffold5234	447	GG	AA	1940550099
SNP_P1_263676_448	NW_004519390.1	Scaffold5234	448	AA	TT	1940550101
SNP_P1_263677_461	NW_004519390.1	Scaffold5234	461	GG	AA	1940550103
SNP_P1_263678_755	NW_004519390.1	Scaffold5234	755	GG	TT	1940550106
SNP_P1_263679_800	NW_004519390.1	Scaffold5234	800	GG	AA	1940550108
SNP_P1_263680_814	NW_004519390.1	Scaffold5234	814	AA	GG	1940550110
SNP_P1_263681_821	NW_004519390.1	Scaffold5234	821	AA	CC	1940550112
SNP_P1_263683_1037	NW_004519391.1	Scaffold5235	1037	AA	GG	1940550114
SNP_P1_263684_1059	NW_004519391.1	Scaffold5235	1059	GG	TT	1940550116

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263686_6474	NW_004519391.1	Scaffold5235	6474	TT	CC	1940550120
SNP_P1_263687_6478	NW_004519391.1	Scaffold5235	6478	TT	GG	1940550122
SNP_P1_263688_1448	NW_004519393.1	Scaffold5238	1448	CC	TT	1940550124
SNP_P1_263689_1759	NW_004519393.1	Scaffold5238	1759	CC	TT	1940550127
SNP_P1_263690_1474	NW_004519394.1	Scaffold5239	1474	AA	CC	1940550129
SNP_P1_263691_3686	NW_004519394.1	Scaffold5239	3686	AA	CC	1940550131
SNP_P1_263692_3687	NW_004519394.1	Scaffold5239	3687	TT	CC	1940550133
SNP_P1_263693_6352	NW_004519394.1	Scaffold5239	6352	TT	CC	1940550135
SNP_P1_263694_963	NW_004519395.1	Scaffold5240	963	TT	AA	1940550137
SNP_P1_263696_1491	NW_004519397.1	Scaffold5249	1491	CC	AA	1940550139
SNP_P1_263697_1665	NW_004519397.1	Scaffold5249	1665	CC	TT	1940550141
SNP_P1_263698_1679	NW_004519397.1	Scaffold5249	1679	CC	AA	1940550143
SNP_P1_263699_2234	NW_004519397.1	Scaffold5249	2234	GG	CC	1940550145
SNP_P1_263700_64	NW_004519398.1	Scaffold5251	64	CC	AA	1940550148
SNP_P1_263701_210	NW_004519398.1	Scaffold5251	210	GG	AA	1940550150
SNP_P1_263702_261	NW_004519398.1	Scaffold5251	261	CC	TT	1940550152
SNP_P1_263703_265	NW_004519398.1	Scaffold5251	265	AA	CC	1940550154
SNP_P1_263704_311	NW_004519398.1	Scaffold5251	311	CC	TT	1940550156
SNP_P1_263705_454	NW_004519398.1	Scaffold5251	454	AA	GG	1940550158
SNP_P1_263706_489	NW_004519398.1	Scaffold5251	489	CC	TT	1940550160
SNP_P1_263707_620	NW_004519398.1	Scaffold5251	620	CC	TT	1940550162
SNP_P1_263708_665	NW_004519398.1	Scaffold5251	665	TT	CC	1940550165
SNP_P1_263709_681	NW_004519398.1	Scaffold5251	681	CC	AA	1940550167
SNP_P1_263710_804	NW_004519398.1	Scaffold5251	804	CC	TT	1940550169
SNP_P1_263711_875	NW_004519398.1	Scaffold5251	875	GG	AA	1940550171
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SNP_P1_263716_1207	NW_004519398.1	Scaffold5251	1207	CC	GG	1940550179
SNP_P1_263717_1249	NW_004519398.1	Scaffold5251	1249	CC	AA	1940550181
SNP_P1_263718_2185	NW_004519398.1	Scaffold5251	2185	AA	GG	1940550183
SNP_P1_263719_2220	NW_004519398.1	Scaffold5251	2220	GG	CC	1940550186
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SNP_P1_263721_2226	NW_004519398.1	Scaffold5251	2226	CC	TT	1940550190
SNP_P1_263722_2281	NW_004519398.1	Scaffold5251	2281	TT	GG	1940550192
SNP_P1_263723_2538	NW_004519398.1	Scaffold5251	2538	TT	CC	1940550194
SNP_P1_263724_2539	NW_004519398.1	Scaffold5251	2539	AA	GG	1940550196
SNP_P1_263726_1145	NW_004519400.1	Scaffold5253	1145	CC	GG	1940550198
SNP_P1_263727_1146	NW_004519400.1	Scaffold5253	1146	AA	TT	1940550200
SNP_P1_263728_1719	NW_004519400.1	Scaffold5253	1719	AA	CC	1940550202
SNP_P1_263729_1990	NW_004519400.1	Scaffold5253	1990	CC	GG	1940550204

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263731_1838	NW_004519402.1	Scaffold5258	1838	AA	CC	1940550209
SNP_P1_263732_1459	NW_004519403.1	Scaffold5259	1459	AA	CC	1940550211
SNP_P1_263733_1514	NW_004519403.1	Scaffold5259	1514	TT	GG	1940550213
SNP_P1_263734_1680	NW_004519403.1	Scaffold5259	1680	GG	CC	1940550215
SNP_P1_263735_1715	NW_004519403.1	Scaffold5259	1715	CC	TT	1940550217
SNP_P1_263736_1724	NW_004519403.1	Scaffold5259	1724	GG	TT	1940550219
SNP_P1_263737_2364	NW_004519403.1	Scaffold5259	2364	GG	TT	1940550221
SNP_P1_263738_179	NW_004519404.1	Scaffold5261	179	AA	CC	1940550223
SNP_P1_263740_6235	NW_004519404.1	Scaffold5261	6235	AA	GG	1940550225
SNP_P1_263741_10220	NW_004519404.1	Scaffold5261	10220	TT	CC	1940550228
SNP_P1_263742_10221	NW_004519404.1	Scaffold5261	10221	AA	GG	1940550230
SNP_P1_263743_457	NW_004519405.1	Scaffold5262	457	GG	AA	1940550232
SNP_P1_263744_544	NW_004519405.1	Scaffold5262	544	GG	AA	1940550234
SNP_P1_263745_804	NW_004519405.1	Scaffold5262	804	AA	GG	1940550236
SNP_P1_263746_836	NW_004519405.1	Scaffold5262	836	TT	AA	1940550238
SNP_P1_263747_868	NW_004519405.1	Scaffold5262	868	CC	TT	1940550240
SNP_P1_263748_981	NW_004519405.1	Scaffold5262	981	AA	GG	1940550242
SNP_P1_263749_1010	NW_004519405.1	Scaffold5262	1010	AA	GG	1940550244
SNP_P1_263750_1089	NW_004519405.1	Scaffold5262	1089	AA	GG	1940550246
SNP_P1_263751_1152	NW_004519405.1	Scaffold5262	1152	TT	CC	1940550249
SNP_P1_263752_1274	NW_004519405.1	Scaffold5262	1274	AA	GG	1940550251
SNP_P1_263753_1300	NW_004519405.1	Scaffold5262	1300	GG	AA	1940550253
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SNP_P1_263755_1334	NW_004519405.1	Scaffold5262	1334	CC	TT	1940550257
SNP_P1_263756_1529	NW_004519405.1	Scaffold5262	1529	CC	TT	1940550259
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SNP_P1_263759_4729	NW_004519405.1	Scaffold5262	4729	CC	AA	1940550265
SNP_P1_263760_4776	NW_004519405.1	Scaffold5262	4776	TT	AA	1940550267
SNP_P1_263761_4900	NW_004519405.1	Scaffold5262	4900	TT	CC	1940550270
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SNP_P1_263763_4965	NW_004519405.1	Scaffold5262	4965	CC	GG	1940550274
SNP_P1_263764_4990	NW_004519405.1	Scaffold5262	4990	AA	CC	1940550276
SNP_P1_263765_25619	NW_004519406.1	Scaffold5263	25619	TT	CC	1940550278
SNP_P1_263766_25627	NW_004519406.1	Scaffold5263	25627	GG	CC	1940550280
SNP_P1_263767_25629	NW_004519406.1	Scaffold5263	25629	CC	TT	1940550282
SNP_P1_263768_25645	NW_004519406.1	Scaffold5263	25645	AA	TT	1940550284
SNP_P1_263769_25667	NW_004519406.1	Scaffold5263	25667	CC	TT	1940550286
SNP_P1_263770_25712	NW_004519406.1	Scaffold5263	25712	AA	GG	1940550288
SNP_P1_263771_26072	NW_004519406.1	Scaffold5263	26072	AA	GG	1940550291
SNP_P1_263772_26105	NW_004519406.1	Scaffold5263	26105	AA	GG	1940550293

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263774_26511	NW_004519406.1	Scaffold5263	26511	CC	TT	1940550297
SNP_P1_263775_26682	NW_004519406.1	Scaffold5263	26682	AA	GG	1940550299
SNP_P1_263776_26890	NW_004519406.1	Scaffold5263	26890	GG	AA	1940550301
SNP_P1_263777_26914	NW_004519406.1	Scaffold5263	26914	CC	TT	1940550303
SNP_P1_263778_27039	NW_004519406.1	Scaffold5263	27039	TT	CC	1940550305
SNP_P1_263779_27401	NW_004519406.1	Scaffold5263	27401	AA	GG	1940550307
SNP_P1_263780_27543	NW_004519406.1	Scaffold5263	27543	AA	TT	1940550310
SNP_P1_263781_27663	NW_004519406.1	Scaffold5263	27663	CC	GG	1940550312
SNP_P1_263782_27745	NW_004519406.1	Scaffold5263	27745	CC	TT	1940550314
SNP_P1_263783_27873	NW_004519406.1	Scaffold5263	27873	AA	GG	1940550316
SNP_P1_263784_311	NW_004519410.1	Scaffold5269	311	TT	CC	1940550318
SNP_P1_263786_3287	NW_004519413.1	Scaffold5272	3287	AA	TT	1940550320
SNP_P1_263787_3895	NW_004519413.1	Scaffold5272	3895	TT	GG	1940550322
SNP_P1_263788_3913	NW_004519413.1	Scaffold5272	3913	TT	AA	1940550324
SNP_P1_263789_3914	NW_004519413.1	Scaffold5272	3914	TT	CC	1940550326
SNP_P1_263790_71	NW_004519416.1	Scaffold5275	71	AA	CC	1940550328
SNP_P1_263791_417	NW_004519416.1	Scaffold5275	417	AA	GG	1940550331
SNP_P1_263793_437	NW_004519416.1	Scaffold5275	437	TT	CC	1940550333
SNP_P1_263794_466	NW_004519416.1	Scaffold5275	466	CC	AA	1940550335
SNP_P1_263795_467	NW_004519416.1	Scaffold5275	467	AA	GG	1940550337
SNP_P1_263796_490	NW_004519416.1	Scaffold5275	490	AA	CC	1940550339
SNP_P1_263797_517	NW_004519416.1	Scaffold5275	517	CC	AA	1940550341
SNP_P1_263798_679	NW_004519416.1	Scaffold5275	679	AA	GG	1940550343
SNP_P1_263799_691	NW_004519416.1	Scaffold5275	691	AA	GG	1940550345
SNP_P1_263800_765	NW_004519416.1	Scaffold5275	765	GG	CC	1940550347
SNP_P1_263801_962	NW_004519416.1	Scaffold5275	962	AA	GG	1940550349
SNP_P1_263802_973	NW_004519416.1	Scaffold5275	973	TT	AA	1940550352
SNP_P1_263803_982	NW_004519416.1	Scaffold5275	982	CC	AA	1940550354
SNP_P1_263804_1022	NW_004519416.1	Scaffold5275	1022	TT	CC	1940550356
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SNP_P1_263811_3992	NW_004519416.1	Scaffold5275	3992	CC	AA	1940550368
SNP_P1_263812_4037	NW_004519416.1	Scaffold5275	4037	CC	AA	1940550370
SNP_P1_263813_4045	NW_004519416.1	Scaffold5275	4045	GG	AA	1940550373
SNP_P1_263814_1381	NW_004519417.1	Scaffold5276	1381	TT	GG	1940550375
SNP_P1_263815_1414	NW_004519417.1	Scaffold5276	1414	GG	AA	1940550377
SNP_P1_263817_444	NW_004519421.1	Scaffold5280	444	CC	TT	1940550379
SNP_P1_263818_762	NW_004519421.1	Scaffold5280	762	TT	CC	1940550381

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263820_1138	NW_004519421.1	Scaffold5280	1138	GG	AA	1940550385
SNP_P1_263821_1157	NW_004519421.1	Scaffold5280	1157	AA	CC	1940550387
SNP_P1_263822_1499	NW_004519421.1	Scaffold5280	1499	TT	AA	1940550389
SNP_P1_263823_1554	NW_004519421.1	Scaffold5280	1554	GG	AA	1940550391
SNP_P1_263824_2302	NW_004519421.1	Scaffold5280	2302	CC	AA	1940550393
SNP_P1_263825_3869	NW_004519421.1	Scaffold5280	3869	GG	AA	1940550396
SNP_P1_263826_5735	NW_004519421.1	Scaffold5280	5735	CC	AA	1940550398
SNP_P1_263827_5988	NW_004519421.1	Scaffold5280	5988	AA	GG	1940550400
SNP_P1_263828_6007	NW_004519421.1	Scaffold5280	6007	TT	CC	1940550402
SNP_P1_263829_6277	NW_004519421.1	Scaffold5280	6277	TT	AA	1940550404
SNP_P1_263830_6290	NW_004519421.1	Scaffold5280	6290	TT	AA	1940550406
SNP_P1_263831_6291	NW_004519421.1	Scaffold5280	6291	TT	CC	1940550408
SNP_P1_263832_6373	NW_004519421.1	Scaffold5280	6373	AA	GG	1940550410
SNP_P1_263833_6425	NW_004519421.1	Scaffold5280	6425	GG	CC	1940550412
SNP_P1_263834_6441	NW_004519421.1	Scaffold5280	6441	CC	GG	1940550414
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SNP_P1_263837_6628	NW_004519421.1	Scaffold5280	6628	TT	CC	1940550421
SNP_P1_263838_6664	NW_004519421.1	Scaffold5280	6664	GG	AA	1940550423
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SNP_P1_263841_6704	NW_004519421.1	Scaffold5280	6704	AA	TT	1940550429
SNP_P1_263842_6746	NW_004519421.1	Scaffold5280	6746	AA	GG	1940550431
SNP_P1_263843_6816	NW_004519421.1	Scaffold5280	6816	TT	AA	1940550433
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SNP_P1_263845_6857	NW_004519421.1	Scaffold5280	6857	CC	GG	1940550438
SNP_P1_263846_7015	NW_004519421.1	Scaffold5280	7015	TT	CC	1940550440
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SNP_P1_263850_101	NW_004519424.1	Scaffold5285	101	TT	AA	1940550448
SNP_P1_263851_1301	NW_004519426.1	Scaffold5289	1301	GG	CC	1940550450
SNP_P1_263852_2762	NW_004519428.1	Scaffold5291	2762	AA	GG	1940550452
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SNP_P1_263854_4242	NW_004519428.1	Scaffold5291	4242	TT	CC	1940550456
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SNP_P1_263856_5426	NW_004519428.1	Scaffold5291	5426	GG	TT	1940550461
SNP_P1_263857_1410	NW_004519431.1	Scaffold5294	1410	GG	AA	1940550463
SNP_P1_263858_1525	NW_004519431.1	Scaffold5294	1525	TT	CC	1940550465
SNP_P1_263859_307	NW_004519432.1	Scaffold5296	307	TT	AA	1940550467
SNP_P1_263860_6378	NW_004519433.1	Scaffold5297	6378	AA	CC	1940550469

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263862_6767	NW_004519433.1	Scaffold5297	6767	TT	CC	1940550473
SNP_P1_263863_7533	NW_004519433.1	Scaffold5297	7533	TT	CC	1940550475
SNP_P1_263864_7613	NW_004519433.1	Scaffold5297	7613	CC	TT	1940550477
SNP_P1_263866_7720	NW_004519433.1	Scaffold5297	7720	TT	GG	1940550480
SNP_P1_263867_7723	NW_004519433.1	Scaffold5297	7723	AA	TT	1940550482
SNP_P1_263868_7864	NW_004519433.1	Scaffold5297	7864	CC	AA	1940550484
SNP_P1_263869_7919	NW_004519433.1	Scaffold5297	7919	CC	AA	1940550486
SNP_P1_263870_7968	NW_004519433.1	Scaffold5297	7968	AA	GG	1940550488
SNP_P1_263871_7985	NW_004519433.1	Scaffold5297	7985	GG	AA	1940550490
SNP_P1_263872_8046	NW_004519433.1	Scaffold5297	8046	CC	TT	1940550492
SNP_P1_263873_71	NW_004519436.1	Scaffold5302	71	TT	GG	1940550494
SNP_P1_263874_74	NW_004519436.1	Scaffold5302	74	AA	GG	1940550496
SNP_P1_263875_424	NW_004519436.1	Scaffold5302	424	CC	TT	1940550498
SNP_P1_263876_857	NW_004519439.1	Scaffold5305	857	CC	TT	1940550501
SNP_P1_263878_7043	NW_004519440.1	Scaffold5306	7043	TT	CC	1940550503
SNP_P1_263879_7055	NW_004519440.1	Scaffold5306	7055	TT	CC	1940550505
SNP_P1_263880_7073	NW_004519440.1	Scaffold5306	7073	CC	GG	1940550507
SNP_P1_263881_7348	NW_004519440.1	Scaffold5306	7348	GG	AA	1940550509
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SNP_P1_263883_7391	NW_004519440.1	Scaffold5306	7391	GG	AA	1940550513
SNP_P1_263884_7645	NW_004519440.1	Scaffold5306	7645	AA	GG	1940550515
SNP_P1_263885_7662	NW_004519440.1	Scaffold5306	7662	CC	TT	1940550517
SNP_P1_263886_7672	NW_004519440.1	Scaffold5306	7672	CC	TT	1940550519
SNP_P1_263887_7825	NW_004519440.1	Scaffold5306	7825	TT	CC	1940550521
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SNP_P1_263891_11228	NW_004519440.1	Scaffold5306	11228	CC	AA	1940550528
SNP_P1_263892_11374	NW_004519440.1	Scaffold5306	11374	AA	GG	1940550530
SNP_P1_263893_14668	NW_004519440.1	Scaffold5306	14668	CC	TT	1940550532
SNP_P1_263894_14924	NW_004519440.1	Scaffold5306	14924	GG	AA	1940550534
SNP_P1_263895_14966	NW_004519440.1	Scaffold5306	14966	GG	AA	1940550536
SNP_P1_263896_15002	NW_004519440.1	Scaffold5306	15002	GG	AA	1940550538
SNP_P1_263897_15062	NW_004519440.1	Scaffold5306	15062	AA	GG	1940550540
SNP_P1_263898_15101	NW_004519440.1	Scaffold5306	15101	GG	AA	1940550542
SNP_P1_263899_15106	NW_004519440.1	Scaffold5306	15106	TT	CC	1940550545
SNP_P1_263900_15498	NW_004519440.1	Scaffold5306	15498	GG	AA	1940550547
SNP_P1_263901_15501	NW_004519440.1	Scaffold5306	15501	TT	AA	1940550549
SNP_P1_263902_15512	NW_004519440.1	Scaffold5306	15512	TT	AA	1940550551
SNP_P1_263903_2002	NW_004519441.1	Scaffold5307	2002	AA	GG	1940550553
SNP_P1_263904_2062	NW_004519441.1	Scaffold5307	2062	AA	GG	1940550555
SNP_P1_263905_2441	NW_004519441.1	Scaffold5307	2441	CC	GG	1940550557

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263907_2618	NW_004519441.1	Scaffold5307	2618	CC	GG	1940550561
SNP_P1_263908_2783	NW_004519441.1	Scaffold5307	2783	CC	GG	1940550563
SNP_P1_263909_3931	NW_004519441.1	Scaffold5307	3931	GG	CC	1940550566
SNP_P1_263910_4459	NW_004519441.1	Scaffold5307	4459	AA	GG	1940550568
SNP_P1_263911_4949	NW_004519441.1	Scaffold5307	4949	AA	CC	1940550570
SNP_P1_263912_4966	NW_004519441.1	Scaffold5307	4966	AA	GG	1940550572
SNP_P1_263913_4968	NW_004519441.1	Scaffold5307	4968	TT	AA	1940550574
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SNP_P1_263915_5302	NW_004519441.1	Scaffold5307	5302	AA	GG	1940550578
SNP_P1_263916_5321	NW_004519441.1	Scaffold5307	5321	CC	TT	1940550580
SNP_P1_263917_5381	NW_004519441.1	Scaffold5307	5381	AA	GG	1940550582
SNP_P1_263918_5850	NW_004519441.1	Scaffold5307	5850	AA	GG	1940550584
SNP_P1_263919_5985	NW_004519441.1	Scaffold5307	5985	AA	CC	1940550587
SNP_P1_263920_6219	NW_004519441.1	Scaffold5307	6219	AA	GG	1940550589
SNP_P1_263921_6233	NW_004519441.1	Scaffold5307	6233	TT	CC	1940550591
SNP_P1_263922_6550	NW_004519441.1	Scaffold5307	6550	GG	AA	1940550593
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SNP_P1_263927_451	NW_004519444.1	Scaffold5311	451	AA	TT	1940550603
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SNP_P1_263929_525	NW_004519444.1	Scaffold5311	525	AA	TT	1940550607
SNP_P1_263930_651	NW_004519444.1	Scaffold5311	651	TT	GG	1940550610
SNP_P1_263931_691	NW_004519445.1	Scaffold5312	691	AA	GG	1940550612
SNP_P1_263932_701	NW_004519445.1	Scaffold5312	701	AA	GG	1940550614
SNP_P1_263933_343	NW_004519446.1	Scaffold5313	343	AA	TT	1940550616
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SNP_P1_263935_637	NW_004519446.1	Scaffold5313	637	AA	GG	1940550620
SNP_P1_263936_644	NW_004519446.1	Scaffold5313	644	TT	AA	1940550622
SNP_P1_263937_863	NW_004519446.1	Scaffold5313	863	GG	TT	1940550624
SNP_P1_263938_22096	NW_004519448.1	Scaffold5321	22096	TT	CC	1940550626
SNP_P1_263939_30313	NW_004519448.1	Scaffold5321	30313	TT	CC	1940550628
SNP_P1_263940_34220	NW_004519448.1	Scaffold5321	34220	GG	AA	1940550631
SNP_P1_263941_43908	NW_004519448.1	Scaffold5321	43908	TT	GG	1940550633
SNP_P1_263942_425	NW_004519452.1	Scaffold5326	425	AA	GG	1940550635
SNP_P1_263943_466	NW_004519452.1	Scaffold5326	466	CC	TT	1940550637
SNP_P1_263944_484	NW_004519452.1	Scaffold5326	484	TT	AA	1940550639
SNP_P1_263945_500	NW_004519452.1	Scaffold5326	500	CC	TT	1940550641
SNP_P1_263946_3736	NW_004519454.1	Scaffold5328	3736	GG	AA	1940550643
SNP_P1_263947_7692	NW_004519454.1	Scaffold5328	7692	AA	GG	1940550645

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263951_1140	NW_004519457.1	Scaffold5333	1140	AA	GG	1940550654
SNP_P1_263952_1152	NW_004519457.1	Scaffold5333	1152	TT	AA	1940550656
SNP_P1_263953_259	NW_004519459.1	Scaffold5335	259	CC	AA	1940550658
SNP_P1_263954_422	NW_004519460.1	Scaffold5338	422	GG	AA	1940550660
SNP_P1_263955_614	NW_004519460.1	Scaffold5338	614	CC	TT	1940550662
SNP_P1_263956_663	NW_004519460.1	Scaffold5338	663	GG	TT	1940550664
SNP_P1_263957_772	NW_004519460.1	Scaffold5338	772	CC	TT	1940550666
SNP_P1_263958_839	NW_004519460.1	Scaffold5338	839	GG	TT	1940550668
SNP_P1_263959_896	NW_004519461.1	Scaffold5340	896	GG	AA	1940550670
SNP_P1_263960_910	NW_004519461.1	Scaffold5340	910	GG	CC	1940550672
SNP_P1_263961_918	NW_004519461.1	Scaffold5340	918	TT	GG	1940550675
SNP_P1_263962_925	NW_004519461.1	Scaffold5340	925	GG	AA	1940550677
SNP_P1_263963_928	NW_004519461.1	Scaffold5340	928	AA	GG	1940550679
SNP_P1_263964_937	NW_004519461.1	Scaffold5340	937	AA	GG	1940550681
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SNP_P1_263977_1444	NW_004519461.1	Scaffold5340	1444	TT	CC	1940550704
SNP_P1_263978_590	NW_004519465.1	Scaffold5350	590	GG	AA	1940550706
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SNP_P1_263980_1655	NW_004519466.1	Scaffold5353	1655	CC	AA	1940550710
SNP_P1_263981_1697	NW_004519466.1	Scaffold5353	1697	TT	CC	1940550712
SNP_P1_263982_1721	NW_004519466.1	Scaffold5353	1721	CC	AA	1940550714
SNP_P1_263983_2589	NW_004519469.1	Scaffold5358	2589	GG	CC	1940550717
SNP_P1_263984_11940	NW_004519469.1	Scaffold5358	11940	CC	TT	1940550719
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SNP_P1_263987_64	NW_004519470.1	Scaffold5360	64	CC	GG	1940550725
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SNP_P1_263990_280	NW_004519470.1	Scaffold5360	280	CC	AA	1940550731
SNP_P1_263992_400	NW_004519470.1	Scaffold5360	400	AA	TT	1940550733

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_263995_641	NW_004519470.1	Scaffold5360	641	CC	AA	1940550740
SNP_P1_263996_676	NW_004519470.1	Scaffold5360	676	CC	AA	1940550742
SNP_P1_263997_724	NW_004519470.1	Scaffold5360	724	AA	GG	1940550744
SNP_P1_263998_739	NW_004519470.1	Scaffold5360	739	CC	TT	1940550746
SNP_P1_263999_982	NW_004519470.1	Scaffold5360	982	CC	AA	1940550748
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SNP_P1_264001_22413	NW_004519478.1	Scaffold5374	22413	CC	AA	1940550752
SNP_P1_264003_18	NW_004519479.1	Scaffold5375	18	GG	CC	1940550754
SNP_P1_264004_80	NW_004519479.1	Scaffold5375	80	GG	CC	1940550756
SNP_P1_264005_122	NW_004519479.1	Scaffold5375	122	AA	TT	1940550758
SNP_P1_264006_5868	NW_004519481.1	Scaffold5377	5868	AA	GG	1940550761
SNP_P1_264007_5897	NW_004519481.1	Scaffold5377	5897	AA	GG	1940550763
SNP_P1_264008_5926	NW_004519481.1	Scaffold5377	5926	CC	TT	1940550765
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SNP_P1_264010_6097	NW_004519481.1	Scaffold5377	6097	GG	TT	1940550769
SNP_P1_264011_6181	NW_004519481.1	Scaffold5377	6181	GG	AA	1940550771
SNP_P1_264012_6193	NW_004519481.1	Scaffold5377	6193	AA	TT	1940550773
SNP_P1_264013_6224	NW_004519481.1	Scaffold5377	6224	GG	TT	1940550775
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SNP_P1_264015_6364	NW_004519481.1	Scaffold5377	6364	GG	AA	1940550779
SNP_P1_264016_1405	NW_004519485.1	Scaffold5384	1405	GG	CC	1940550782
SNP_P1_264017_1738	NW_004519485.1	Scaffold5384	1738	CC	TT	1940550784
SNP_P1_264018_3593	NW_004519485.1	Scaffold5384	3593	CC	TT	1940550786
SNP_P1_264019_164	NW_004519486.1	Scaffold5385	164	TT	AA	1940550788
SNP_P1_264020_560	NW_004519486.1	Scaffold5385	560	CC	TT	1940550790
SNP_P1_264021_570	NW_004519486.1	Scaffold5385	570	TT	CC	1940550792
SNP_P1_264022_1233	NW_004519498.1	Scaffold5408	1233	TT	AA	1940550794
SNP_P1_264023_1061	NW_004519499.1	Scaffold5409	1061	AA	GG	1940550796
SNP_P1_264025_399	NW_004519500.1	Scaffold5412	399	TT	AA	1940550798
SNP_P1_264026_405	NW_004519500.1	Scaffold5412	405	AA	GG	1940550800
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SNP_P1_264028_6529	NW_004519501.1	Scaffold5413	6529	GG	AA	1940550805
SNP_P1_264029_10592	NW_004519501.1	Scaffold5413	10592	GG	AA	1940550807
SNP_P1_264030_10630	NW_004519501.1	Scaffold5413	10630	CC	AA	1940550809
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SNP_P1_264034_661	NW_004519503.1	Scaffold5416	661	CC	TT	1940550817
SNP_P1_264035_688	NW_004519503.1	Scaffold5416	688	TT	AA	1940550819
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264039_760	NW_004519503.1	Scaffold5416	760	AA	GG	1940550828
SNP_P1_264040_766	NW_004519503.1	Scaffold5416	766	TT	CC	1940550830
SNP_P1_264041_785	NW_004519503.1	Scaffold5416	785	AA	CC	1940550832
SNP_P1_264042_1764	NW_004519504.1	Scaffold5418	1764	TT	CC	1940550834
SNP_P1_264043_1785	NW_004519504.1	Scaffold5418	1785	AA	GG	1940550836
SNP_P1_264044_1820	NW_004519504.1	Scaffold5418	1820	TT	GG	1940550838
SNP_P1_264045_107	NW_004519505.1	Scaffold5420	107	TT	AA	1940550840
SNP_P1_264046_241	NW_004519505.1	Scaffold5420	241	AA	TT	1940550842
SNP_P1_264047_285	NW_004519505.1	Scaffold5420	285	GG	AA	1940550844
SNP_P1_264048_347	NW_004519505.1	Scaffold5420	347	AA	TT	1940550847
SNP_P1_264049_400	NW_004519505.1	Scaffold5420	400	TT	AA	1940550849
SNP_P1_264050_490	NW_004519505.1	Scaffold5420	490	AA	TT	1940550851
SNP_P1_264051_494	NW_004519505.1	Scaffold5420	494	TT	AA	1940550853
SNP_P1_264052_608	NW_004519505.1	Scaffold5420	608	AA	TT	1940550855
SNP_P1_264053_660	NW_004519505.1	Scaffold5420	660	TT	AA	1940550857
SNP_P1_264055_705	NW_004519505.1	Scaffold5420	705	AA	GG	1940550859
SNP_P1_264056_867	NW_004519505.1	Scaffold5420	867	TT	CC	1940550861
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SNP_P1_264058_960	NW_004519505.1	Scaffold5420	960	GG	TT	1940550865
SNP_P1_264059_1013	NW_004519505.1	Scaffold5420	1013	TT	AA	1940550868
SNP_P1_264060_1332	NW_004519505.1	Scaffold5420	1332	TT	GG	1940550870
SNP_P1_264061_1345	NW_004519505.1	Scaffold5420	1345	TT	CC	1940550872
SNP_P1_264062_1431	NW_004519505.1	Scaffold5420	1431	TT	GG	1940550874
SNP_P1_264063_1437	NW_004519505.1	Scaffold5420	1437	GG	CC	1940550876
SNP_P1_264064_1444	NW_004519505.1	Scaffold5420	1444	TT	CC	1940550878
SNP_P1_264065_235	NW_004519511.1	Scaffold5434	235	GG	TT	1940550880
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SNP_P1_264068_295	NW_004519511.1	Scaffold5434	295	CC	TT	1940550886
SNP_P1_264069_570	NW_004519511.1	Scaffold5434	570	TT	GG	1940550888
SNP_P1_264070_540	NW_004519513.1	Scaffold5438	540	GG	AA	1940550891
SNP_P1_264072_818	NW_004519513.1	Scaffold5438	818	GG	TT	1940550893
SNP_P1_264073_1185	NW_004519513.1	Scaffold5438	1185	AA	TT	1940550895
SNP_P1_264074_1238	NW_004519513.1	Scaffold5438	1238	GG	AA	1940550897
SNP_P1_264075_1276	NW_004519513.1	Scaffold5438	1276	TT	CC	1940550899
SNP_P1_264076_2124	NW_004519520.1	Scaffold5449	2124	TT	AA	1940550901
SNP_P1_264077_2128	NW_004519520.1	Scaffold5449	2128	AA	TT	1940550903
SNP_P1_264078_2199	NW_004519520.1	Scaffold5449	2199	TT	GG	1940550905
SNP_P1_264079_2219	NW_004519520.1	Scaffold5449	2219	GG	AA	1940550907
SNP_P1_264080_2265	NW_004519520.1	Scaffold5449	2265	AA	GG	1940550909

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264082_499	NW_004519523.1	Scaffold5452	499	TT	AA	1940550914
SNP_P1_264083_593	NW_004519523.1	Scaffold5452	593	AA	GG	1940550916
SNP_P1_264084_626	NW_004519523.1	Scaffold5452	626	GG	AA	1940550918
SNP_P1_264085_667	NW_004519523.1	Scaffold5452	667	GG	CC	1940550920
SNP_P1_264086_699	NW_004519523.1	Scaffold5452	699	TT	GG	1940550922
SNP_P1_264087_716	NW_004519523.1	Scaffold5452	716	GG	AA	1940550924
SNP_P1_264088_735	NW_004519523.1	Scaffold5452	735	AA	GG	1940550926
SNP_P1_264089_864	NW_004519523.1	Scaffold5452	864	CC	TT	1940550928
SNP_P1_264090_880	NW_004519523.1	Scaffold5452	880	AA	GG	1940550930
SNP_P1_264091_907	NW_004519523.1	Scaffold5452	907	AA	GG	1940550932
SNP_P1_264092_1017	NW_004519523.1	Scaffold5452	1017	AA	GG	1940550935
SNP_P1_264093_1040	NW_004519523.1	Scaffold5452	1040	TT	AA	1940550937
SNP_P1_264094_1134	NW_004519523.1	Scaffold5452	1134	GG	AA	1940550939
SNP_P1_264095_1191	NW_004519523.1	Scaffold5452	1191	GG	AA	1940550941
SNP_P1_264096_1325	NW_004519523.1	Scaffold5452	1325	CC	TT	1940550943
SNP_P1_264097_1356	NW_004519523.1	Scaffold5452	1356	AA	GG	1940550945
SNP_P1_264098_1475	NW_004519523.1	Scaffold5452	1475	TT	CC	1940550947
SNP_P1_264099_1593	NW_004519523.1	Scaffold5452	1593	AA	CC	1940550949
SNP_P1_264100_675	NW_004519525.1	Scaffold5454	675	GG	TT	1940550951
SNP_P1_264102_7011	NW_004519528.1	Scaffold5458	7011	AA	GG	1940550953
SNP_P1_264103_10280	NW_004519528.1	Scaffold5458	10280	TT	GG	1940550956
SNP_P1_264104_10286	NW_004519528.1	Scaffold5458	10286	GG	TT	1940550958
SNP_P1_264105_11266	NW_004519528.1	Scaffold5458	11266	TT	AA	1940550960
SNP_P1_264106_11344	NW_004519528.1	Scaffold5458	11344	AA	GG	1940550962
SNP_P1_264107_776	NW_004519530.1	Scaffold5460	776	TT	AA	1940550964
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SNP_P1_264109_5541	NW_004519533.1	Scaffold5465	5541	CC	GG	1940550968
SNP_P1_264110_362	NW_004519535.1	Scaffold5472	362	TT	AA	1940550970
SNP_P1_264111_479	NW_004519535.1	Scaffold5472	479	CC	TT	1940550972
SNP_P1_264112_658	NW_004519535.1	Scaffold5472	658	AA	GG	1940550974
SNP_P1_264113_673	NW_004519535.1	Scaffold5472	673	AA	CC	1940550977
SNP_P1_264114_684	NW_004519535.1	Scaffold5472	684	GG	TT	1940550979
SNP_P1_264115_825	NW_004519535.1	Scaffold5472	825	TT	CC	1940550981
SNP_P1_264116_922	NW_004519535.1	Scaffold5472	922	CC	AA	1940550983
SNP_P1_264117_1022	NW_004519535.1	Scaffold5472	1022	GG	AA	1940550985
SNP_P1_264118_1052	NW_004519535.1	Scaffold5472	1052	CC	GG	1940550987
SNP_P1_264119_1059	NW_004519535.1	Scaffold5472	1059	CC	TT	1940550989
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SNP_P1_264121_1086	NW_004519544.1	Scaffold5484	1086	AA	GG	1940550993
SNP_P1_264123_1179	NW_004519544.1	Scaffold5484	1179	TT	AA	1940550995
SNP_P1_264124_1222	NW_004519544.1	Scaffold5484	1222	AA	TT	1940550997

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264128_3782	NW_004519544.1	Scaffold5484	3782	TT	GG	1940551006
SNP_P1_264129_4513	NW_004519544.1	Scaffold5484	4513	CC	AA	1940551008
SNP_P1_264130_5439	NW_004519544.1	Scaffold5484	5439	GG	AA	1940551010
SNP_P1_264131_4840	NW_004519548.1	Scaffold5489	4840	TT	AA	1940551012
SNP_P1_264132_5375	NW_004519552.1	Scaffold5493	5375	CC	TT	1940551014
SNP_P1_264133_465	NW_004519553.1	Scaffold5497	465	GG	AA	1940551016
SNP_P1_264134_590	NW_004519553.1	Scaffold5497	590	CC	TT	1940551018
SNP_P1_264135_866	NW_004519553.1	Scaffold5497	866	TT	CC	1940551021
SNP_P1_264136_933	NW_004519553.1	Scaffold5497	933	AA	GG	1940551023
SNP_P1_264137_948	NW_004519553.1	Scaffold5497	948	CC	TT	1940551025
SNP_P1_264139_1410	NW_004519558.1	Scaffold5504	1410	TT	CC	1940551027
SNP_P1_264140_1421	NW_004519558.1	Scaffold5504	1421	GG	CC	1940551029
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SNP_P1_264146_1148	NW_004519561.1	Scaffold5509	1148	CC	AA	1940551042
SNP_P1_264147_1272	NW_004519561.1	Scaffold5509	1272	GG	TT	1940551044
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SNP_P1_264160_2827	NW_004519565.1	Scaffold5514	2827	TT	CC	1940551069
SNP_P1_264161_3590	NW_004519565.1	Scaffold5514	3590	AA	CC	1940551071
SNP_P1_264162_3679	NW_004519565.1	Scaffold5514	3679	AA	GG	1940551073
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SNP_P1_264168_3966	NW_004519565.1	Scaffold5514	3966	CC	TT	1940551083
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264174_5976	NW_004519565.1	Scaffold5514	5976	CC	AA	1940551096
SNP_P1_264175_5984	NW_004519565.1	Scaffold5514	5984	AA	GG	1940551098
SNP_P1_264176_565	NW_004519571.1	Scaffold5527	565	CC	TT	1940551100
SNP_P1_264177_575	NW_004519571.1	Scaffold5527	575	TT	GG	1940551102
SNP_P1_264178_595	NW_004519571.1	Scaffold5527	595	TT	AA	1940551104
SNP_P1_264179_471	NW_004519572.1	Scaffold5528	471	GG	TT	1940551106
SNP_P1_264180_64	NW_004519579.1	Scaffold5538	64	TT	CC	1940551109
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SNP_P1_264182_102	NW_004519579.1	Scaffold5538	102	AA	GG	1940551113
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SNP_P1_264205_673	NW_004519580.1	Scaffold5541	673	GG	CC	1940551157
SNP_P1_264206_683	NW_004519580.1	Scaffold5541	683	GG	AA	1940551159
SNP_P1_264207_694	NW_004519580.1	Scaffold5541	694	TT	AA	1940551161
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SNP_P1_264212_760	NW_004519580.1	Scaffold5541	760	GG	AA	1940551171
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264217_875	NW_004519580.1	Scaffold5541	875	TT	CC	1940551182
SNP_P1_264218_913	NW_004519580.1	Scaffold5541	913	GG	AA	1940551184
SNP_P1_264219_986	NW_004519580.1	Scaffold5541	986	CC	AA	1940551186
SNP_P1_264220_1051	NW_004519580.1	Scaffold5541	1051	AA	GG	1940551188
SNP_P1_264221_1070	NW_004519580.1	Scaffold5541	1070	GG	TT	1940551190
SNP_P1_264222_1100	NW_004519580.1	Scaffold5541	1100	AA	CC	1940551192
SNP_P1_264223_1146	NW_004519580.1	Scaffold5541	1146	AA	GG	1940551195
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SNP_P1_264225_1228	NW_004519580.1	Scaffold5541	1228	AA	TT	1940551199
SNP_P1_264226_1280	NW_004519580.1	Scaffold5541	1280	GG	AA	1940551201
SNP_P1_264227_1332	NW_004519580.1	Scaffold5541	1332	AA	CC	1940551203
SNP_P1_264228_187	NW_004519582.1	Scaffold5545	187	GG	AA	1940551205
SNP_P1_264229_202	NW_004519582.1	Scaffold5545	202	CC	GG	1940551207
SNP_P1_264230_1052	NW_004519582.1	Scaffold5545	1052	AA	GG	1940551209
SNP_P1_264231_27577	NW_004519585.1	Scaffold5548	27577	AA	TT	1940551211
SNP_P1_264233_64	NW_004519586.1	Scaffold5549	64	TT	CC	1940551213
SNP_P1_264234_111	NW_004519586.1	Scaffold5549	111	GG	AA	1940551216
SNP_P1_264235_466	NW_004519586.1	Scaffold5549	466	GG	TT	1940551218
SNP_P1_264236_503	NW_004519586.1	Scaffold5549	503	AA	TT	1940551220
SNP_P1_264239_116	NW_004519587.1	Scaffold5551	116	AA	CC	1940551222
SNP_P1_264240_144	NW_004519587.1	Scaffold5551	144	AA	GG	1940551224
SNP_P1_264241_301	NW_004519587.1	Scaffold5551	301	GG	AA	1940551226
SNP_P1_264242_307	NW_004519587.1	Scaffold5551	307	CC	GG	1940551228
SNP_P1_264243_357	NW_004519587.1	Scaffold5551	357	AA	CC	1940551230
SNP_P1_264244_368	NW_004519587.1	Scaffold5551	368	AA	GG	1940551232
SNP_P1_264245_376	NW_004519587.1	Scaffold5551	376	AA	CC	1940551234
SNP_P1_264246_410	NW_004519587.1	Scaffold5551	410	CC	TT	1940551236
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SNP_P1_264249_512	NW_004519587.1	Scaffold5551	512	CC	AA	1940551243
SNP_P1_264251_670	NW_004519587.1	Scaffold5551	670	CC	TT	1940551245
SNP_P1_264252_721	NW_004519587.1	Scaffold5551	721	CC	GG	1940551247
SNP_P1_264254_783	NW_004519587.1	Scaffold5551	783	TT	CC	1940551249
SNP_P1_264255_843	NW_004519587.1	Scaffold5551	843	AA	GG	1940551251
SNP_P1_264256_114	NW_004519589.1	Scaffold5553	114	TT	GG	1940551253
SNP_P1_264257_132	NW_004519589.1	Scaffold5553	132	TT	CC	1940551255
SNP_P1_264258_190	NW_004519589.1	Scaffold5553	190	AA	TT	1940551257
SNP_P1_264259_194	NW_004519589.1	Scaffold5553	194	GG	AA	1940551260
SNP_P1_264260_232	NW_004519589.1	Scaffold5553	232	TT	CC	1940551262

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264262_413	NW_004519589.1	Scaffold5553	413	AA	CC	1940551265
SNP_P1_264263_457	NW_004519589.1	Scaffold5553	457	GG	TT	1940551267
SNP_P1_264264_467	NW_004519589.1	Scaffold5553	467	GG	AA	1940551269
SNP_P1_264265_508	NW_004519589.1	Scaffold5553	508	CC	AA	1940551271
SNP_P1_264266_521	NW_004519589.1	Scaffold5553	521	TT	CC	1940551274
SNP_P1_264267_571	NW_004519589.1	Scaffold5553	571	TT	GG	1940551276
SNP_P1_264268_582	NW_004519589.1	Scaffold5553	582	AA	TT	1940551278
SNP_P1_264269_619	NW_004519589.1	Scaffold5553	619	AA	TT	1940551280
SNP_P1_264270_630	NW_004519589.1	Scaffold5553	630	CC	TT	1940551282
SNP_P1_264271_694	NW_004519589.1	Scaffold5553	694	AA	GG	1940551284
SNP_P1_264272_709	NW_004519589.1	Scaffold5553	709	TT	GG	1940551286
SNP_P1_264273_720	NW_004519589.1	Scaffold5553	720	AA	TT	1940551288
SNP_P1_264274_739	NW_004519589.1	Scaffold5553	739	GG	TT	1940551290
SNP_P1_264275_1988	NW_004519589.1	Scaffold5553	1988	AA	GG	1940551292
SNP_P1_264276_1997	NW_004519589.1	Scaffold5553	1997	TT	AA	1940551294
SNP_P1_264277_6838	NW_004519589.1	Scaffold5553	6838	GG	TT	1940551297
SNP_P1_264278_10880	NW_004519589.1	Scaffold5553	10880	AA	CC	1940551299
SNP_P1_264279_11711	NW_004519589.1	Scaffold5553	11711	TT	AA	1940551301
SNP_P1_264280_11719	NW_004519589.1	Scaffold5553	11719	CC	TT	1940551303
SNP_P1_264281_12305	NW_004519589.1	Scaffold5553	12305	TT	CC	1940551305
SNP_P1_264282_12385	NW_004519589.1	Scaffold5553	12385	CC	TT	1940551307
SNP_P1_264283_439	NW_004519591.1	Scaffold5556	439	GG	AA	1940551309
SNP_P1_264284_482	NW_004519591.1	Scaffold5556	482	AA	CC	1940551311
SNP_P1_264285_1540	NW_004519595.1	Scaffold5562	1540	AA	TT	1940551313
SNP_P1_264286_891	NW_004519599.1	Scaffold5569	891	AA	CC	1940551315
SNP_P1_264287_471	NW_004519601.1	Scaffold5574	471	GG	AA	1940551318
SNP_P1_264288_1393	NW_004519601.1	Scaffold5574	1393	CC	GG	1940551320
SNP_P1_264289_1395	NW_004519601.1	Scaffold5574	1395	TT	CC	1940551322
SNP_P1_264291_695	NW_004519604.1	Scaffold5579	695	AA	CC	1940551324
SNP_P1_264292_701	NW_004519604.1	Scaffold5579	701	AA	CC	1940551326
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SNP_P1_264295_1062	NW_004519605.1	Scaffold5580	1062	AA	GG	1940551332
SNP_P1_264297_1320	NW_004519605.1	Scaffold5580	1320	CC	GG	1940551334
SNP_P1_264298_1403	NW_004519605.1	Scaffold5580	1403	GG	AA	1940551336
SNP_P1_264299_246	NW_004519606.1	Scaffold5581	246	AA	GG	1940551338
SNP_P1_264300_248	NW_004519606.1	Scaffold5581	248	CC	TT	1940551341
SNP_P1_264301_565	NW_004519606.1	Scaffold5581	565	AA	GG	1940551343
SNP_P1_264302_6774	NW_004519608.1	Scaffold5586	6774	GG	AA	1940551345
SNP_P1_264304_6794	NW_004519608.1	Scaffold5586	6794	CC	AA	1940551347
SNP_P1_264305_1632	NW_004519609.1	Scaffold5587	1632	AA	CC	1940551349

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264307_338	NW_004519615.1	Scaffold5593	338	GG	CC	1940551353
SNP_P1_264308_340	NW_004519615.1	Scaffold5593	340	TT	CC	1940551355
SNP_P1_264309_418	NW_004519615.1	Scaffold5593	418	AA	GG	1940551357
SNP_P1_264310_477	NW_004519615.1	Scaffold5593	477	TT	CC	1940551359
SNP_P1_264311_482	NW_004519615.1	Scaffold5593	482	CC	TT	1940551362
SNP_P1_264312_513	NW_004519615.1	Scaffold5593	513	GG	CC	1940551364
SNP_P1_264313_527	NW_004519615.1	Scaffold5593	527	CC	TT	1940551366
SNP_P1_264314_529	NW_004519615.1	Scaffold5593	529	GG	AA	1940551368
SNP_P1_264315_543	NW_004519615.1	Scaffold5593	543	TT	CC	1940551370
SNP_P1_264316_544	NW_004519615.1	Scaffold5593	544	AA	GG	1940551372
SNP_P1_264317_706	NW_004519615.1	Scaffold5593	706	CC	TT	1940551374
SNP_P1_264318_358	NW_004519617.1	Scaffold5596	358	AA	GG	1940551376
SNP_P1_264319_563	NW_004519617.1	Scaffold5596	563	AA	GG	1940551378
SNP_P1_264320_981	NW_004519617.1	Scaffold5596	981	TT	CC	1940551380
SNP_P1_264321_2836	NW_004519618.1	Scaffold5598	2836	GG	AA	1940551383
SNP_P1_264322_2838	NW_004519618.1	Scaffold5598	2838	TT	GG	1940551385
SNP_P1_264323_3081	NW_004519618.1	Scaffold5598	3081	TT	CC	1940551387
SNP_P1_264324_3147	NW_004519618.1	Scaffold5598	3147	TT	GG	1940551389
SNP_P1_264325_3177	NW_004519618.1	Scaffold5598	3177	AA	TT	1940551391
SNP_P1_264326_3254	NW_004519618.1	Scaffold5598	3254	AA	TT	1940551393
SNP_P1_264327_3276	NW_004519618.1	Scaffold5598	3276	TT	GG	1940551395
SNP_P1_264328_3492	NW_004519618.1	Scaffold5598	3492	TT	CC	1940551397
SNP_P1_264329_3773	NW_004519618.1	Scaffold5598	3773	AA	CC	1940551399
SNP_P1_264330_4564	NW_004519618.1	Scaffold5598	4564	AA	TT	1940551401
SNP_P1_264331_4582	NW_004519618.1	Scaffold5598	4582	TT	CC	1940551403
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SNP_P1_264333_5005	NW_004519618.1	Scaffold5598	5005	TT	CC	1940551408
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SNP_P1_264339_5305	NW_004519618.1	Scaffold5598	5305	GG	AA	1940551420
SNP_P1_264340_5316	NW_004519618.1	Scaffold5598	5316	CC	AA	1940551422
SNP_P1_264341_5411	NW_004519618.1	Scaffold5598	5411	CC	AA	1940551424
SNP_P1_264342_5499	NW_004519618.1	Scaffold5598	5499	CC	AA	1940551427
SNP_P1_264343_5920	NW_004519618.1	Scaffold5598	5920	CC	TT	1940551429
SNP_P1_264344_6165	NW_004519618.1	Scaffold5598	6165	CC	TT	1940551431
SNP_P1_264345_6433	NW_004519618.1	Scaffold5598	6433	AA	CC	1940551433
SNP_P1_264346_6518	NW_004519618.1	Scaffold5598	6518	CC	TT	1940551435
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264351_7404	NW_004519618.1	Scaffold5598	7404	AA	CC	1940551445
SNP_P1_264352_7421	NW_004519618.1	Scaffold5598	7421	TT	AA	1940551448
SNP_P1_264353_7524	NW_004519618.1	Scaffold5598	7524	GG	AA	1940551450
SNP_P1_264354_7530	NW_004519618.1	Scaffold5598	7530	AA	CC	1940551452
SNP_P1_264355_7887	NW_004519618.1	Scaffold5598	7887	GG	CC	1940551454
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SNP_P1_264357_8291	NW_004519618.1	Scaffold5598	8291	GG	AA	1940551458
SNP_P1_264358_8809	NW_004519618.1	Scaffold5598	8809	TT	AA	1940551460
SNP_P1_264359_8893	NW_004519618.1	Scaffold5598	8893	CC	AA	1940551462
SNP_P1_264360_9450	NW_004519618.1	Scaffold5598	9450	TT	AA	1940551464
SNP_P1_264362_11178	NW_004519618.1	Scaffold5598	11178	AA	GG	1940551466
SNP_P1_264363_11909	NW_004519618.1	Scaffold5598	11909	AA	GG	1940551468
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SNP_P1_264368_13377	NW_004519618.1	Scaffold5598	13377	CC	GG	1940551479
SNP_P1_264370_13730	NW_004519618.1	Scaffold5598	13730	CC	TT	1940551481
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SNP_P1_264374_397	NW_004519619.1	Scaffold5599	397	AA	TT	1940551487
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SNP_P1_264385_4262	NW_004519622.1	Scaffold5602	4262	TT	CC	1940551508
SNP_P1_264387_5186	NW_004519622.1	Scaffold5602	5186	TT	CC	1940551510
SNP_P1_264388_971	NW_004519624.1	Scaffold5605	971	AA	TT	1940551513
SNP_P1_264390_447	NW_004519625.1	Scaffold5606	447	TT	GG	1940551515
SNP_P1_264391_481	NW_004519625.1	Scaffold5606	481	CC	TT	1940551517
SNP_P1_264392_553	NW_004519625.1	Scaffold5606	553	TT	CC	1940551519
SNP_P1_264393_3051	NW_004519630.1	Scaffold5613	3051	AA	GG	1940551521
SNP_P1_264394_321	NW_004519631.1	Scaffold5614	321	AA	GG	1940551523
SNP_P1_264395_905	NW_004519631.1	Scaffold5614	905	GG	CC	1940551525

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264398_3931	NW_004519631.1	Scaffold5614	3931	AA	TT	1940551531
SNP_P1_264399_4160	NW_004519631.1	Scaffold5614	4160	CC	GG	1940551534
SNP_P1_264400_4164	NW_004519631.1	Scaffold5614	4164	TT	AA	1940551536
SNP_P1_264401_4170	NW_004519631.1	Scaffold5614	4170	AA	TT	1940551538
SNP_P1_264402_4924	NW_004519631.1	Scaffold5614	4924	TT	GG	1940551540
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SNP_P1_264404_5494	NW_004519631.1	Scaffold5614	5494	TT	AA	1940551544
SNP_P1_264405_5626	NW_004519631.1	Scaffold5614	5626	GG	CC	1940551546
SNP_P1_264406_969	NW_004519634.1	Scaffold5617	969	GG	AA	1940551548
SNP_P1_264407_989	NW_004519634.1	Scaffold5617	989	TT	CC	1940551550
SNP_P1_264408_998	NW_004519634.1	Scaffold5617	998	AA	GG	1940551552
SNP_P1_264409_1064	NW_004519634.1	Scaffold5617	1064	TT	CC	1940551554
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SNP_P1_264421_208	NW_004519635.1	Scaffold5619	208	GG	AA	1940551578
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SNP_P1_264423_463	NW_004519635.1	Scaffold5619	463	TT	CC	1940551582
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SNP_P1_264429_1519	NW_004519636.1	Scaffold5624	1519	TT	CC	1940551594
SNP_P1_264430_55	NW_004519638.1	Scaffold5627	55	TT	CC	1940551596
SNP_P1_264431_69	NW_004519638.1	Scaffold5627	69	TT	GG	1940551598
SNP_P1_264432_80	NW_004519638.1	Scaffold5627	80	CC	GG	1940551601
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SNP_P1_264437_380	NW_004519638.1	Scaffold5627	380	TT	CC	1940551611
SNP_P1_264438_422	NW_004519638.1	Scaffold5627	422	GG	CC	1940551613

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264441_435	NW_004519638.1	Scaffold5627	435	TT	GG	1940551619
SNP_P1_264442_466	NW_004519638.1	Scaffold5627	466	GG	CC	1940551622
SNP_P1_264443_4631	NW_004519638.1	Scaffold5627	4631	GG	AA	1940551624
SNP_P1_264444_4699	NW_004519638.1	Scaffold5627	4699	CC	AA	1940551626
SNP_P1_264445_4705	NW_004519638.1	Scaffold5627	4705	CC	TT	1940551628
SNP_P1_264446_5499	NW_004519638.1	Scaffold5627	5499	TT	CC	1940551630
SNP_P1_264447_5978	NW_004519638.1	Scaffold5627	5978	AA	CC	1940551632
SNP_P1_264448_8275	NW_004519638.1	Scaffold5627	8275	GG	AA	1940551634
SNP_P1_264449_8705	NW_004519638.1	Scaffold5627	8705	AA	CC	1940551636
SNP_P1_264450_10362	NW_004519638.1	Scaffold5627	10362	GG	AA	1940551638
SNP_P1_264451_10925	NW_004519638.1	Scaffold5627	10925	GG	AA	1940551640
SNP_P1_264452_164	NW_004519639.1	Scaffold5629	164	AA	TT	1940551643
SNP_P1_264453_1201	NW_004519641.1	Scaffold5634	1201	AA	TT	1940551645
SNP_P1_264454_869	NW_004519649.1	Scaffold5647	869	TT	CC	1940551647
SNP_P1_264455_872	NW_004519649.1	Scaffold5647	872	GG	TT	1940551649
SNP_P1_264456_2604	NW_004519652.1	Scaffold5650	2604	CC	TT	1940551651
SNP_P1_264457_2768	NW_004519652.1	Scaffold5650	2768	AA	CC	1940551653
SNP_P1_264458_2774	NW_004519652.1	Scaffold5650	2774	CC	AA	1940551655
SNP_P1_264459_2808	NW_004519652.1	Scaffold5650	2808	TT	AA	1940551657
SNP_P1_264460_2913	NW_004519652.1	Scaffold5650	2913	TT	GG	1940551659
SNP_P1_264461_1405	NW_004519654.1	Scaffold5653	1405	GG	TT	1940551661
SNP_P1_264463_1470	NW_004519654.1	Scaffold5653	1470	CC	GG	1940551663
SNP_P1_264464_1528	NW_004519654.1	Scaffold5653	1528	AA	TT	1940551666
SNP_P1_264465_1601	NW_004519654.1	Scaffold5653	1601	AA	CC	1940551668
SNP_P1_264466_23716	NW_004519654.1	Scaffold5653	23716	GG	AA	1940551670
SNP_P1_264467_27494	NW_004519654.1	Scaffold5653	27494	TT	CC	1940551672
SNP_P1_264468_27519	NW_004519654.1	Scaffold5653	27519	AA	CC	1940551674
SNP_P1_264469_30027	NW_004519654.1	Scaffold5653	30027	AA	GG	1940551676
SNP_P1_264470_30305	NW_004519654.1	Scaffold5653	30305	TT	CC	1940551678
SNP_P1_264471_30307	NW_004519654.1	Scaffold5653	30307	GG	AA	1940551680
SNP_P1_264472_30328	NW_004519654.1	Scaffold5653	30328	CC	TT	1940551682
SNP_P1_264473_30515	NW_004519654.1	Scaffold5653	30515	CC	TT	1940551684
SNP_P1_264474_30546	NW_004519654.1	Scaffold5653	30546	TT	GG	1940551687
SNP_P1_264475_30589	NW_004519654.1	Scaffold5653	30589	TT	AA	1940551689
SNP_P1_264476_30623	NW_004519654.1	Scaffold5653	30623	TT	GG	1940551691
SNP_P1_264477_612	NW_004519657.1	Scaffold5656	612	GG	AA	1940551693
SNP_P1_264478_952	NW_004519663.1	Scaffold5665	952	TT	CC	1940551695
SNP_P1_264479_807	NW_004519664.1	Scaffold5666	807	AA	GG	1940551697
SNP_P1_264480_973	NW_004519664.1	Scaffold5666	973	GG	AA	1940551699
SNP_P1_264481_998	NW_004519664.1	Scaffold5666	998	TT	CC	1940551701

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_264482_1089	NW_004519664.1	Scaffold5666	1089	TT	CC	1940551703
SNP_P1_264483_1110	NW_004519664.1	Scaffold5666	1110	CC	TT	1940551705
SNP_P1_264484_1167	NW_004519664.1	Scaffold5666	1167	CC	TT	1940551708
SNP_P1_264485_1262	NW_004519664.1	Scaffold5666	1262	CC	GG	1940551710
SNP_P1_264486_1305	NW_004519664.1	Scaffold5666	1305	CC	AA	1940551712
SNP_P1_264487_1386	NW_004519664.1	Scaffold5666	1386	AA	TT	1940551714
SNP_P1_264488_1674	NW_004519664.1	Scaffold5666	1674	CC	TT	1940551716
SNP_P1_264489_2088	NW_004519667.1	Scaffold5671	2088	AA	GG	1940551718
SNP_P1_264490_2143	NW_004519667.1	Scaffold5671	2143	AA	GG	1940551720
SNP_P1_264491_2296	NW_004519667.1	Scaffold5671	2296	TT	CC	1940551722
SNP_P1_264492_2426	NW_004519667.1	Scaffold5671	2426	CC	GG	1940551724
SNP_P1_264493_612	NW_004519668.1	Scaffold5672	612	CC	TT	1940551726
SNP_P1_264494_1611	NW_004519669.1	Scaffold5673	1611	GG	CC	1940551729
SNP_P1_264495_15703	NW_004519670.1	Scaffold5674	15703	TT	GG	1940551731
SNP_P1_264496_15745	NW_004519670.1	Scaffold5674	15745	AA	CC	1940551733
SNP_P1_264497_287	NW_004519673.1	Scaffold5679	287	AA	GG	1940551735
SNP_P1_264498_350	NW_004519673.1	Scaffold5679	350	AA	TT	1940551737
SNP_P1_264499_395	NW_004519673.1	Scaffold5679	395	CC	TT	1940551739
SNP_P1_264500_424	NW_004519673.1	Scaffold5679	424	GG	CC	1940551741
SNP_P1_264501_441	NW_004519673.1	Scaffold5679	441	TT	GG	1940551743
SNP_P1_264502_456	NW_004519673.1	Scaffold5679	456	CC	TT	1940551745
SNP_P1_264503_476	NW_004519673.1	Scaffold5679	476	GG	AA	1940551747
SNP_P1_264504_525	NW_004519673.1	Scaffold5679	525	GG	AA	1940551750
SNP_P1_264505_4414	NW_004519675.1	Scaffold5683	4414	AA	GG	1940551752
SNP_P1_264506_944	NW_004519678.1	Scaffold5687	944	CC	GG	1940551754
SNP_P1_264507_1232	NW_004519678.1	Scaffold5687	1232	AA	GG	1940551756
SNP_P1_264508_1296	NW_004519678.1	Scaffold5687	1296	AA	TT	1940551758
SNP_P1_264509_1337	NW_004519680.1	Scaffold5691	1337	TT	AA	1940551760
SNP_P1_264510_1389	NW_004519680.1	Scaffold5691	1389	AA	CC	1940551762
SNP_P1_264511_1480	NW_004519682.1	Scaffold5694	1480	TT	CC	1940551764
SNP_P1_264512_664	NW_004519684.1	Scaffold5698	664	TT	CC	1940551766
SNP_P1_264513_713	NW_004519684.1	Scaffold5698	713	GG	TT	1940551768
SNP_P1_264514_1451	NW_004519684.1	Scaffold5698	1451	AA	CC	1940551770
SNP_P1_264515_1462	NW_004519684.1	Scaffold5698	1462	AA	TT	1940551773
SNP_P1_264516_1717	NW_004519684.1	Scaffold5698	1717	GG	AA	1940551775
SNP_P1_264517_1718	NW_004519684.1	Scaffold5698	1718	TT	AA	1940551777
SNP_P1_264518_1774	NW_004519684.1	Scaffold5698	1774	GG	AA	1940551779
SNP_P1_264519_3245	NW_004519684.1	Scaffold5698	3245	GG	CC	1940551781
SNP_P1_264520_3904	NW_004519684.1	Scaffold5698	3904	AA	CC	1940551783
SNP_P1_264521_4034	NW_004519684.1	Scaffold5698	4034	CC	TT	1940551785
SNP_P1_264522_4287	NW_004519684.1	Scaffold5698	4287	AA	GG	1940551787
SNP_P1_264523_4682	NW_004519684.1	Scaffold5698	4682	AA	GG	1940551789

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_264524_4683	NW_004519684.1	Scaffold5698	4683	CC	TT	1940551791
SNP_P1_264525_4687	NW_004519684.1	Scaffold5698	4687	GG	AA	1940551794
SNP_P1_264526_4688	NW_004519684.1	Scaffold5698	4688	GG	CC	1940551796
SNP_P1_264527_4689	NW_004519684.1	Scaffold5698	4689	GG	TT	1940551798
SNP_P1_264528_4691	NW_004519684.1	Scaffold5698	4691	AA	GG	1940551800
SNP_P1_264529_4749	NW_004519684.1	Scaffold5698	4749	AA	GG	1940551802
SNP_P1_264530_4772	NW_004519684.1	Scaffold5698	4772	CC	AA	1940551804
SNP_P1_264531_121	NW_004519686.1	Scaffold5700	121	TT	AA	1940551806
SNP_P1_264532_257	NW_004519686.1	Scaffold5700	257	TT	AA	1940551808
SNP_P1_264533_258	NW_004519686.1	Scaffold5700	258	CC	AA	1940551810
SNP_P1_264535_8079	NW_004519686.1	Scaffold5700	8079	GG	AA	1940551812
SNP_P1_264536_8197	NW_004519686.1	Scaffold5700	8197	AA	CC	1940551815
SNP_P1_264537_8225	NW_004519686.1	Scaffold5700	8225	TT	AA	1940551817
SNP_P1_264538_8236	NW_004519686.1	Scaffold5700	8236	GG	TT	1940551819
SNP_P1_264539_8647	NW_004519686.1	Scaffold5700	8647	TT	CC	1940551821
SNP_P1_264540_33	NW_004519689.1	Scaffold5703	33	TT	AA	1940551823
SNP_P1_264541_48	NW_004519689.1	Scaffold5703	48	AA	TT	1940551825
SNP_P1_264542_64	NW_004519689.1	Scaffold5703	64	CC	AA	1940551827
SNP_P1_264543_103	NW_004519689.1	Scaffold5703	103	CC	AA	1940551829
SNP_P1_264544_134	NW_004519689.1	Scaffold5703	134	AA	GG	1940551831
SNP_P1_264545_155	NW_004519689.1	Scaffold5703	155	TT	AA	1940551833
SNP_P1_264546_3508	NW_004519690.1	Scaffold5704	3508	GG	TT	1940551835
SNP_P1_264547_3514	NW_004519690.1	Scaffold5704	3514	AA	CC	1940551838
SNP_P1_264548_3574	NW_004519690.1	Scaffold5704	3574	AA	CC	1940551840
SNP_P1_264549_3575	NW_004519690.1	Scaffold5704	3575	AA	TT	1940551842
SNP_P1_264550_3587	NW_004519690.1	Scaffold5704	3587	GG	CC	1940551844
SNP_P1_264551_3589	NW_004519690.1	Scaffold5704	3589	GG	AA	1940551846
SNP_P1_264552_969	NW_004519692.1	Scaffold5709	969	AA	TT	1940551848
SNP_P1_264553_11713	NW_004519693.1	Scaffold5714	11713	GG	AA	1940551850
SNP_P1_264554_15016	NW_004519693.1	Scaffold5714	15016	CC	TT	1940551852
SNP_P1_264555_17899	NW_004519693.1	Scaffold5714	17899	TT	CC	1940551854
SNP_P1_264556_20161	NW_004519693.1	Scaffold5714	20161	GG	AA	1940551856
SNP_P1_264557_21454	NW_004519693.1	Scaffold5714	21454	TT	CC	1940551859
SNP_P1_264558_21457	NW_004519693.1	Scaffold5714	21457	CC	TT	1940551861
SNP_P1_264559_21460	NW_004519693.1	Scaffold5714	21460	AA	GG	1940551863
SNP_P1_264560_54058	NW_004519693.1	Scaffold5714	54058	AA	TT	1940551865
SNP_P1_264561_4291	NW_004519694.1	Scaffold5715	4291	CC	TT	1940551867
SNP_P1_264562_4502	NW_004519694.1	Scaffold5715	4502	TT	GG	1940551869
SNP_P1_264563_538	NW_004519695.1	Scaffold5717	538	CC	AA	1940551871
SNP_P1_264564_3050	NW_004519695.1	Scaffold5717	3050	GG	AA	1940551873
SNP_P1_264565_1575	NW_004519697.1	Scaffold5719	1575	TT	AA	1940551875
SNP_P1_264566_1586	NW_004519697.1	Scaffold5719	1586	CC	GG	1940551877

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_264567_523	NW_004519698.1	Scaffold5720	523	AA	GG	1940551880
SNP_P1_264568_186	NW_004519699.1	Scaffold5721	186	CC	TT	1940551882
SNP_P1_264569_189	NW_004519699.1	Scaffold5721	189	AA	CC	1940551884
SNP_P1_264570_240	NW_004519699.1	Scaffold5721	240	GG	TT	1940551886
SNP_P1_264571_260	NW_004519699.1	Scaffold5721	260	TT	AA	1940551888
SNP_P1_264572_382	NW_004519699.1	Scaffold5721	382	GG	AA	1940551890
SNP_P1_264573_7914	NW_004519699.1	Scaffold5721	7914	TT	CC	1940551892
SNP_P1_264574_5301	NW_004519701.1	Scaffold5725	5301	AA	CC	1940551894
SNP_P1_264575_6226	NW_004519701.1	Scaffold5725	6226	TT	GG	1940551896
SNP_P1_264576_192	NW_004519704.1	Scaffold5730	192	AA	GG	1940551898
SNP_P1_264577_239	NW_004519704.1	Scaffold5730	239	GG	AA	1940551901
SNP_P1_264578_240	NW_004519704.1	Scaffold5730	240	CC	TT	1940551903
SNP_P1_264579_345	NW_004519704.1	Scaffold5730	345	CC	TT	1940551905
SNP_P1_264580_421	NW_004519704.1	Scaffold5730	421	GG	AA	1940551907
SNP_P1_264581_425	NW_004519704.1	Scaffold5730	425	GG	TT	1940551909
SNP_P1_264582_459	NW_004519704.1	Scaffold5730	459	AA	GG	1940551911
SNP_P1_264583_470	NW_004519704.1	Scaffold5730	470	TT	AA	1940551913
SNP_P1_264585_711	NW_004519704.1	Scaffold5730	711	AA	CC	1940551915
SNP_P1_264586_722	NW_004519704.1	Scaffold5730	722	TT	CC	1940551917
SNP_P1_264587_805	NW_004519704.1	Scaffold5730	805	TT	AA	1940551919
SNP_P1_264588_808	NW_004519704.1	Scaffold5730	808	CC	TT	1940551922
SNP_P1_264589_914	NW_004519704.1	Scaffold5730	914	CC	TT	1940551924
SNP_P1_264590_1015	NW_004519704.1	Scaffold5730	1015	AA	TT	1940551926
SNP_P1_264591_1198	NW_004519704.1	Scaffold5730	1198	GG	TT	1940551928
SNP_P1_264592_202	NW_004519705.1	Scaffold5734	202	GG	AA	1940551930
SNP_P1_264593_861	NW_004519705.1	Scaffold5734	861	TT	GG	1940551932
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SNP_P1_264596_1329	NW_004519706.1	Scaffold5735	1329	TT	CC	1940551938
SNP_P1_264597_1351	NW_004519706.1	Scaffold5735	1351	CC	TT	1940551940
SNP_P1_264598_1236	NW_004519707.1	Scaffold5737	1236	TT	AA	1940551942
SNP_P1_264599_542	NW_004519709.1	Scaffold5739	542	TT	CC	1940551945
SNP_P1_264600_672	NW_004519709.1	Scaffold5739	672	TT	CC	1940551947
SNP_P1_264601_720	NW_004519709.1	Scaffold5739	720	TT	CC	1940551949
SNP_P1_264602_792	NW_004519709.1	Scaffold5739	792	CC	TT	1940551951
SNP_P1_264603_843	NW_004519709.1	Scaffold5739	843	CC	TT	1940551953
SNP_P1_264604_866	NW_004519709.1	Scaffold5739	866	CC	TT	1940551955
SNP_P1_264606_946	NW_004519709.1	Scaffold5739	946	CC	AA	1940551957
SNP_P1_264607_947	NW_004519709.1	Scaffold5739	947	TT	CC	1940551959
SNP_P1_264608_954	NW_004519709.1	Scaffold5739	954	AA	GG	1940551961
SNP_P1_264609_958	NW_004519709.1	Scaffold5739	958	CC	TT	1940551963
SNP_P1_264610_1021	NW_004519709.1	Scaffold5739	1021	TT	GG	1940551966

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SNP_P1_264612_1091	NW_004519709.1	Scaffold5739	1091	AA	CC	1940551970
SNP_P1_264613_1122	NW_004519709.1	Scaffold5739	1122	TT	GG	1940551972
SNP_P1_264614_1124	NW_004519709.1	Scaffold5739	1124	CC	TT	1940551974
SNP_P1_264615_1172	NW_004519709.1	Scaffold5739	1172	CC	TT	1940551976
SNP_P1_264616_1198	NW_004519709.1	Scaffold5739	1198	AA	GG	1940551978
SNP_P1_264617_1219	NW_004519709.1	Scaffold5739	1219	CC	TT	1940551980
SNP_P1_264618_1250	NW_004519712.1	Scaffold5742	1250	AA	GG	1940551982
SNP_P1_264619_1878	NW_004519713.1	Scaffold5744	1878	AA	GG	1940551984
SNP_P1_264620_2905	NW_004519713.1	Scaffold5744	2905	AA	CC	1940551987
SNP_P1_264621_3297	NW_004519713.1	Scaffold5744	3297	CC	GG	1940551989
SNP_P1_264622_3326	NW_004519713.1	Scaffold5744	3326	AA	TT	1940551991
SNP_P1_264623_3384	NW_004519713.1	Scaffold5744	3384	CC	AA	1940551993
SNP_P1_264624_12872	NW_004519713.1	Scaffold5744	12872	CC	TT	1940551995
SNP_P1_264625_15423	NW_004519713.1	Scaffold5744	15423	AA	GG	1940551997
SNP_P1_264626_15497	NW_004519713.1	Scaffold5744	15497	GG	CC	1940551999
SNP_P1_264627_15629	NW_004519713.1	Scaffold5744	15629	CC	TT	1940552001
SNP_P1_264628_15698	NW_004519713.1	Scaffold5744	15698	TT	AA	1940552003
SNP_P1_264629_16007	NW_004519713.1	Scaffold5744	16007	AA	CC	1940552005
SNP_P1_264630_17047	NW_004519713.1	Scaffold5744	17047	TT	CC	1940552008
SNP_P1_264631_17527	NW_004519713.1	Scaffold5744	17527	TT	CC	1940552010
SNP_P1_264632_17696	NW_004519713.1	Scaffold5744	17696	TT	AA	1940552012
SNP_P1_264633_17774	NW_004519713.1	Scaffold5744	17774	GG	CC	1940552014
SNP_P1_264634_17793	NW_004519713.1	Scaffold5744	17793	CC	TT	1940552016
SNP_P1_264635_17808	NW_004519713.1	Scaffold5744	17808	GG	CC	1940552018
SNP_P1_264636_17838	NW_004519713.1	Scaffold5744	17838	TT	CC	1940552020
SNP_P1_264637_17853	NW_004519713.1	Scaffold5744	17853	TT	CC	1940552022
SNP_P1_264638_17858	NW_004519713.1	Scaffold5744	17858	TT	CC	1940552024
SNP_P1_264639_18064	NW_004519713.1	Scaffold5744	18064	TT	CC	1940552026
SNP_P1_264640_18088	NW_004519713.1	Scaffold5744	18088	GG	TT	1940552029
SNP_P1_264641_18174	NW_004519713.1	Scaffold5744	18174	GG	TT	1940552031
SNP_P1_264642_18227	NW_004519713.1	Scaffold5744	18227	TT	CC	1940552033
SNP_P1_264643_320	NW_004519715.1	Scaffold5746	320	AA	GG	1940552035
SNP_P1_264644_388	NW_004519715.1	Scaffold5746	388	TT	CC	1940552037
SNP_P1_264645_450	NW_004519715.1	Scaffold5746	450	GG	CC	1940552039
SNP_P1_264646_656	NW_004519715.1	Scaffold5746	656	CC	TT	1940552041
SNP_P1_264647_728	NW_004519715.1	Scaffold5746	728	CC	GG	1940552043
SNP_P1_264648_1047	NW_004519715.1	Scaffold5746	1047	AA	TT	1940552045
SNP_P1_264649_1050	NW_004519715.1	Scaffold5746	1050	CC	AA	1940552047
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SNP_P1_264651_1123	NW_004519715.1	Scaffold5746	1123	AA	TT	1940552052
SNP_P1_264652_1127	NW_004519715.1	Scaffold5746	1127	CC	TT	1940552054

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SNP_P1_264654_1400	NW_004519715.1	Scaffold5746	1400	CC	TT	1940552058
SNP_P1_264655_1401	NW_004519715.1	Scaffold5746	1401	GG	AA	1940552060
SNP_P1_264656_1470	NW_004519715.1	Scaffold5746	1470	AA	CC	1940552062
SNP_P1_264657_1601	NW_004519715.1	Scaffold5746	1601	AA	GG	1940552064
SNP_P1_264658_1712	NW_004519715.1	Scaffold5746	1712	GG	AA	1940552066
SNP_P1_264659_1724	NW_004519715.1	Scaffold5746	1724	AA	TT	1940552068
SNP_P1_264660_1877	NW_004519715.1	Scaffold5746	1877	GG	AA	1940552070
SNP_P1_264661_1194	NW_004519718.1	Scaffold5750	1194	TT	AA	1940552073
SNP_P1_264662_2176	NW_004519718.1	Scaffold5750	2176	AA	GG	1940552075
SNP_P1_264663_2222	NW_004519718.1	Scaffold5750	2222	CC	GG	1940552077
SNP_P1_264664_2245	NW_004519718.1	Scaffold5750	2245	AA	GG	1940552079
SNP_P1_264665_2563	NW_004519718.1	Scaffold5750	2563	CC	TT	1940552081
SNP_P1_264666_2579	NW_004519718.1	Scaffold5750	2579	GG	AA	1940552083
SNP_P1_264667_203	NW_004519719.1	Scaffold5753	203	AA	CC	1940552085
SNP_P1_264668_871	NW_004519721.1	Scaffold5757	871	AA	GG	1940552087
SNP_P1_264669_956	NW_004519721.1	Scaffold5757	956	CC	TT	1940552089
SNP_P1_264670_964	NW_004519721.1	Scaffold5757	964	AA	TT	1940552091
SNP_P1_264671_1018	NW_004519721.1	Scaffold5757	1018	AA	GG	1940552093
SNP_P1_264672_1431	NW_004519721.1	Scaffold5757	1431	AA	GG	1940552096
SNP_P1_264673_1434	NW_004519721.1	Scaffold5757	1434	GG	TT	1940552098
SNP_P1_264674_130	NW_004519722.1	Scaffold5758	130	GG	TT	1940552100
SNP_P1_264675_833	NW_004519722.1	Scaffold5758	833	TT	GG	1940552102
SNP_P1_264676_1027	NW_004519722.1	Scaffold5758	1027	AA	TT	1940552104
SNP_P1_264678_71	NW_004519723.1	Scaffold5759	71	AA	CC	1940552106
SNP_P1_264679_118	NW_004519723.1	Scaffold5759	118	CC	TT	1940552108
SNP_P1_264680_671	NW_004519723.1	Scaffold5759	671	AA	CC	1940552110
SNP_P1_264681_740	NW_004519724.1	Scaffold5761	740	AA	GG	1940552112
SNP_P1_264682_742	NW_004519724.1	Scaffold5761	742	CC	TT	1940552114
SNP_P1_264683_780	NW_004519724.1	Scaffold5761	780	CC	AA	1940552117
SNP_P1_264684_790	NW_004519724.1	Scaffold5761	790	AA	GG	1940552119
SNP_P1_264686_857	NW_004519724.1	Scaffold5761	857	CC	AA	1940552121
SNP_P1_264687_984	NW_004519724.1	Scaffold5761	984	GG	AA	1940552123
SNP_P1_264688_1005	NW_004519724.1	Scaffold5761	1005	TT	AA	1940552125
SNP_P1_264690_1224	NW_004519724.1	Scaffold5761	1224	AA	CC	1940552127
SNP_P1_264691_1486	NW_004519724.1	Scaffold5761	1486	CC	AA	1940552129
SNP_P1_264692_1530	NW_004519724.1	Scaffold5761	1530	CC	TT	1940552131
SNP_P1_264693_1677	NW_004519724.1	Scaffold5761	1677	AA	CC	1940552133
SNP_P1_264694_1798	NW_004519724.1	Scaffold5761	1798	GG	AA	1940552135
SNP_P1_264695_6671	NW_004519724.1	Scaffold5761	6671	TT	AA	1940552138
SNP_P1_264696_6875	NW_004519724.1	Scaffold5761	6875	GG	CC	1940552140
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264700_382	NW_004519727.1	Scaffold5765	382	CC	TT	1940552148
SNP_P1_264701_458	NW_004519727.1	Scaffold5765	458	TT	AA	1940552150
SNP_P1_264703_632	NW_004519727.1	Scaffold5765	632	GG	AA	1940552152
SNP_P1_264704_2177	NW_004519728.1	Scaffold5766	2177	TT	GG	1940552154
SNP_P1_264705_2178	NW_004519728.1	Scaffold5766	2178	GG	TT	1940552156
SNP_P1_264706_2235	NW_004519728.1	Scaffold5766	2235	AA	TT	1940552158
SNP_P1_264707_2257	NW_004519728.1	Scaffold5766	2257	CC	GG	1940552161
SNP_P1_264708_189	NW_004519731.1	Scaffold5775	189	AA	GG	1940552163
SNP_P1_264709_287	NW_004519731.1	Scaffold5775	287	TT	AA	1940552165
SNP_P1_264710_465	NW_004519731.1	Scaffold5775	465	AA	TT	1940552167
SNP_P1_264711_970	NW_004519731.1	Scaffold5775	970	GG	AA	1940552169
SNP_P1_264712_1022	NW_004519731.1	Scaffold5775	1022	TT	AA	1940552171
SNP_P1_264713_1122	NW_004519731.1	Scaffold5775	1122	CC	TT	1940552173
SNP_P1_264714_1132	NW_004519731.1	Scaffold5775	1132	TT	CC	1940552175
SNP_P1_264715_1192	NW_004519731.1	Scaffold5775	1192	CC	TT	1940552177
SNP_P1_264716_1202	NW_004519731.1	Scaffold5775	1202	TT	CC	1940552179
SNP_P1_264717_1311	NW_004519731.1	Scaffold5775	1311	GG	TT	1940552182
SNP_P1_264718_1313	NW_004519731.1	Scaffold5775	1313	GG	TT	1940552184
SNP_P1_264719_1322	NW_004519731.1	Scaffold5775	1322	CC	TT	1940552186
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SNP_P1_264721_2653	NW_004519733.1	Scaffold5777	2653	AA	CC	1940552190
SNP_P1_264722_2860	NW_004519733.1	Scaffold5777	2860	AA	CC	1940552192
SNP_P1_264723_2974	NW_004519733.1	Scaffold5777	2974	TT	CC	1940552194
SNP_P1_264724_3249	NW_004519733.1	Scaffold5777	3249	GG	AA	1940552196
SNP_P1_264725_3289	NW_004519733.1	Scaffold5777	3289	GG	TT	1940552198
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SNP_P1_264728_3439	NW_004519733.1	Scaffold5777	3439	GG	AA	1940552205
SNP_P1_264729_3660	NW_004519733.1	Scaffold5777	3660	GG	AA	1940552207
SNP_P1_264730_7372	NW_004519733.1	Scaffold5777	7372	TT	GG	1940552209
SNP_P1_264731_7598	NW_004519733.1	Scaffold5777	7598	CC	TT	1940552211
SNP_P1_264732_7826	NW_004519733.1	Scaffold5777	7826	TT	CC	1940552213
SNP_P1_264733_7831	NW_004519733.1	Scaffold5777	7831	CC	TT	1940552215
SNP_P1_264734_7891	NW_004519733.1	Scaffold5777	7891	AA	GG	1940552217
SNP_P1_264735_7908	NW_004519733.1	Scaffold5777	7908	CC	TT	1940552219
SNP_P1_264736_8355	NW_004519733.1	Scaffold5777	8355	TT	CC	1940552221
SNP_P1_264737_8504	NW_004519733.1	Scaffold5777	8504	TT	GG	1940552223
SNP_P1_264738_8911	NW_004519733.1	Scaffold5777	8911	CC	TT	1940552226
SNP_P1_264739_8934	NW_004519733.1	Scaffold5777	8934	TT	CC	1940552228
SNP_P1_264740_9122	NW_004519733.1	Scaffold5777	9122	CC	TT	1940552230

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264743_9335	NW_004519733.1	Scaffold5777	9335	TT	CC	1940552236
SNP_P1_264744_9674	NW_004519733.1	Scaffold5777	9674	AA	GG	1940552238
SNP_P1_264745_10039	NW_004519733.1	Scaffold5777	10039	TT	CC	1940552240
SNP_P1_264746_10070	NW_004519733.1	Scaffold5777	10070	TT	GG	1940552242
SNP_P1_264747_10130	NW_004519733.1	Scaffold5777	10130	TT	AA	1940552244
SNP_P1_264748_10337	NW_004519733.1	Scaffold5777	10337	AA	GG	1940552247
SNP_P1_264749_10345	NW_004519733.1	Scaffold5777	10345	AA	GG	1940552249
SNP_P1_264750_10348	NW_004519733.1	Scaffold5777	10348	AA	GG	1940552251
SNP_P1_264751_10453	NW_004519733.1	Scaffold5777	10453	CC	TT	1940552253
SNP_P1_264752_10572	NW_004519733.1	Scaffold5777	10572	AA	CC	1940552255
SNP_P1_264753_16313	NW_004519733.1	Scaffold5777	16313	GG	CC	1940552257
SNP_P1_264755_16532	NW_004519733.1	Scaffold5777	16532	GG	CC	1940552259
SNP_P1_264757_16798	NW_004519733.1	Scaffold5777	16798	TT	AA	1940552261
SNP_P1_264758_17078	NW_004519733.1	Scaffold5777	17078	CC	TT	1940552263
SNP_P1_264759_17165	NW_004519733.1	Scaffold5777	17165	TT	CC	1940552265
SNP_P1_264760_17207	NW_004519733.1	Scaffold5777	17207	CC	GG	1940552268
SNP_P1_264761_1119	NW_004519735.1	Scaffold5780	1119	AA	GG	1940552270
SNP_P1_264763_2849	NW_004519735.1	Scaffold5780	2849	CC	AA	1940552272
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SNP_P1_264768_3170	NW_004519735.1	Scaffold5780	3170	GG	AA	1940552278
SNP_P1_264769_3234	NW_004519735.1	Scaffold5780	3234	GG	TT	1940552280
SNP_P1_264770_3286	NW_004519735.1	Scaffold5780	3286	TT	GG	1940552282
SNP_P1_264771_3357	NW_004519735.1	Scaffold5780	3357	TT	CC	1940552284
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SNP_P1_264773_4628	NW_004519735.1	Scaffold5780	4628	GG	AA	1940552289
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SNP_P1_264776_5013	NW_004519735.1	Scaffold5780	5013	GG	AA	1940552295
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SNP_P1_264780_5242	NW_004519735.1	Scaffold5780	5242	GG	AA	1940552303
SNP_P1_264781_5344	NW_004519735.1	Scaffold5780	5344	AA	GG	1940552305
SNP_P1_264784_5505	NW_004519735.1	Scaffold5780	5505	AA	TT	1940552307
SNP_P1_264785_5506	NW_004519735.1	Scaffold5780	5506	AA	CC	1940552309
SNP_P1_264786_5564	NW_004519735.1	Scaffold5780	5564	GG	TT	1940552312
SNP_P1_264787_5649	NW_004519735.1	Scaffold5780	5649	TT	CC	1940552314
SNP_P1_264788_5663	NW_004519735.1	Scaffold5780	5663	GG	AA	1940552316
SNP_P1_264789_5673	NW_004519735.1	Scaffold5780	5673	AA	GG	1940552318

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264791_5689	NW_004519735.1	Scaffold5780	5689	TT	CC	1940552322
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SNP_P1_264793_5726	NW_004519735.1	Scaffold5780	5726	CC	AA	1940552326
SNP_P1_264794_5731	NW_004519735.1	Scaffold5780	5731	AA	GG	1940552328
SNP_P1_264795_5733	NW_004519735.1	Scaffold5780	5733	AA	TT	1940552330
SNP_P1_264796_5746	NW_004519735.1	Scaffold5780	5746	TT	GG	1940552333
SNP_P1_264797_5852	NW_004519735.1	Scaffold5780	5852	AA	GG	1940552335
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SNP_P1_264802_6142	NW_004519735.1	Scaffold5780	6142	GG	AA	1940552343
SNP_P1_264803_6195	NW_004519735.1	Scaffold5780	6195	AA	GG	1940552345
SNP_P1_264804_6288	NW_004519735.1	Scaffold5780	6288	AA	GG	1940552347
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SNP_P1_264806_6308	NW_004519735.1	Scaffold5780	6308	TT	CC	1940552351
SNP_P1_264807_6315	NW_004519735.1	Scaffold5780	6315	AA	GG	1940552354
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SNP_P1_264813_6721	NW_004519735.1	Scaffold5780	6721	GG	AA	1940552366
SNP_P1_264814_6736	NW_004519735.1	Scaffold5780	6736	GG	AA	1940552368
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SNP_P1_264829_9976	NW_004519735.1	Scaffold5780	9976	GG	TT	1940552396
SNP_P1_264830_9990	NW_004519735.1	Scaffold5780	9990	AA	CC	1940552398
SNP_P1_264831_10024	NW_004519735.1	Scaffold5780	10024	TT	CC	1940552400
SNP_P1_264832_10128	NW_004519735.1	Scaffold5780	10128	CC	TT	1940552402
SNP_P1_264833_10130	NW_004519735.1	Scaffold5780	10130	GG	AA	1940552404
SNP_P1_264834_10333	NW_004519735.1	Scaffold5780	10333	AA	CC	1940552406

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264838_10600	NW_004519735.1	Scaffold5780	10600	TT	CC	1940552412
SNP_P1_264839_10773	NW_004519735.1	Scaffold5780	10773	GG	AA	1940552414
SNP_P1_264840_10910	NW_004519735.1	Scaffold5780	10910	CC	TT	1940552417
SNP_P1_264841_11020	NW_004519735.1	Scaffold5780	11020	AA	GG	1940552419
SNP_P1_264842_16974	NW_004519735.1	Scaffold5780	16974	TT	GG	1940552421
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SNP_P1_264844_17050	NW_004519735.1	Scaffold5780	17050	CC	TT	1940552425
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SNP_P1_264850_2167	NW_004519736.1	Scaffold5781	2167	AA	TT	1940552435
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SNP_P1_264869_4015	NW_004519736.1	Scaffold5781	4015	AA	TT	1940552473
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SNP_P1_264873_12587	NW_004519736.1	Scaffold5781	12587	CC	TT	1940552479
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SNP_P1_264875_12603	NW_004519736.1	Scaffold5781	12603	GG	AA	1940552484
SNP_P1_264876_12653	NW_004519736.1	Scaffold5781	12653	GG	AA	1940552486
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SNP_P1_264878_324	NW_004519737.1	Scaffold5782	324	AA	GG	1940552490
SNP_P1_264879_329	NW_004519737.1	Scaffold5782	329	GG	CC	1940552492
SNP_P1_264880_1046	NW_004519737.1	Scaffold5782	1046	AA	GG	1940552494

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264883_713	NW_004519738.1	Scaffold5783	713	CC	TT	1940552500
SNP_P1_264884_723	NW_004519738.1	Scaffold5783	723	TT	CC	1940552503
SNP_P1_264885_773	NW_004519738.1	Scaffold5783	773	TT	GG	1940552505
SNP_P1_264886_1221	NW_004519738.1	Scaffold5783	1221	CC	GG	1940552507
SNP_P1_264887_1271	NW_004519738.1	Scaffold5783	1271	CC	TT	1940552509
SNP_P1_264888_1597	NW_004519738.1	Scaffold5783	1597	TT	CC	1940552511
SNP_P1_264889_2033	NW_004519738.1	Scaffold5783	2033	AA	TT	1940552513
SNP_P1_264890_2091	NW_004519738.1	Scaffold5783	2091	CC	GG	1940552515
SNP_P1_264891_2096	NW_004519738.1	Scaffold5783	2096	AA	GG	1940552517
SNP_P1_264892_5570	NW_004519738.1	Scaffold5783	5570	TT	CC	1940552519
SNP_P1_264893_365	NW_004519742.1	Scaffold5790	365	TT	CC	1940552521
SNP_P1_264894_16845	NW_004519744.1	Scaffold5792	16845	TT	CC	1940552524
SNP_P1_264896_30313	NW_004519744.1	Scaffold5792	30313	GG	TT	1940552526
SNP_P1_264898_44574	NW_004519744.1	Scaffold5792	44574	TT	AA	1940552528
SNP_P1_264899_44612	NW_004519744.1	Scaffold5792	44612	AA	CC	1940552530
SNP_P1_264900_44616	NW_004519744.1	Scaffold5792	44616	AA	GG	1940552532
SNP_P1_264901_44619	NW_004519744.1	Scaffold5792	44619	GG	CC	1940552534
SNP_P1_264902_77558	NW_004519744.1	Scaffold5792	77558	TT	CC	1940552536
SNP_P1_264903_92343	NW_004519744.1	Scaffold5792	92343	GG	AA	1940552538
SNP_P1_264905_2770	NW_004519746.1	Scaffold5794	2770	GG	CC	1940552540
SNP_P1_264906_2771	NW_004519746.1	Scaffold5794	2771	TT	AA	1940552542
SNP_P1_264907_2773	NW_004519746.1	Scaffold5794	2773	GG	AA	1940552544
SNP_P1_264908_5851	NW_004519746.1	Scaffold5794	5851	AA	TT	1940552546
SNP_P1_264909_5880	NW_004519746.1	Scaffold5794	5880	AA	GG	1940552548
SNP_P1_264910_5888	NW_004519746.1	Scaffold5794	5888	AA	TT	1940552550
SNP_P1_264911_5956	NW_004519746.1	Scaffold5794	5956	TT	AA	1940552553
SNP_P1_264912_6008	NW_004519746.1	Scaffold5794	6008	TT	GG	1940552554
SNP_P1_264913_6220	NW_004519746.1	Scaffold5794	6220	TT	CC	1940552556
SNP_P1_264914_7554	NW_004519746.1	Scaffold5794	7554	GG	TT	1940552558
SNP_P1_264915_7594	NW_004519746.1	Scaffold5794	7594	AA	CC	1940552560
SNP_P1_264916_7606	NW_004519746.1	Scaffold5794	7606	GG	AA	1940552562
SNP_P1_264917_8247	NW_004519746.1	Scaffold5794	8247	AA	TT	1940552564
SNP_P1_264918_8638	NW_004519746.1	Scaffold5794	8638	CC	GG	1940552566
SNP_P1_264919_8707	NW_004519746.1	Scaffold5794	8707	CC	GG	1940552568
SNP_P1_264920_1042	NW_004519747.1	Scaffold5795	1042	TT	CC	1940552570
SNP_P1_264921_1064	NW_004519747.1	Scaffold5795	1064	TT	GG	1940552572
SNP_P1_264922_1440	NW_004519747.1	Scaffold5795	1440	CC	AA	1940552574
SNP_P1_264923_1446	NW_004519747.1	Scaffold5795	1446	CC	TT	1940552576
SNP_P1_264924_1519	NW_004519747.1	Scaffold5795	1519	GG	AA	1940552578
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264927_5392	NW_004519749.1	Scaffold5797	5392	AA	GG	1940552584
SNP_P1_264928_5408	NW_004519749.1	Scaffold5797	5408	GG	AA	1940552586
SNP_P1_264929_5438	NW_004519749.1	Scaffold5797	5438	AA	GG	1940552588
SNP_P1_264930_5451	NW_004519749.1	Scaffold5797	5451	AA	TT	1940552591
SNP_P1_264931_5464	NW_004519749.1	Scaffold5797	5464	GG	AA	1940552593
SNP_P1_264932_5465	NW_004519749.1	Scaffold5797	5465	CC	AA	1940552595
SNP_P1_264933_5468	NW_004519749.1	Scaffold5797	5468	CC	TT	1940552597
SNP_P1_264934_5474	NW_004519749.1	Scaffold5797	5474	CC	TT	1940552599
SNP_P1_264935_5480	NW_004519749.1	Scaffold5797	5480	TT	GG	1940552601
SNP_P1_264936_5488	NW_004519749.1	Scaffold5797	5488	AA	GG	1940552603
SNP_P1_264937_5514	NW_004519749.1	Scaffold5797	5514	CC	TT	1940552605
SNP_P1_264938_5631	NW_004519749.1	Scaffold5797	5631	AA	TT	1940552607
SNP_P1_264939_5709	NW_004519749.1	Scaffold5797	5709	CC	AA	1940552609
SNP_P1_264940_5723	NW_004519749.1	Scaffold5797	5723	CC	GG	1940552612
SNP_P1_264941_5732	NW_004519749.1	Scaffold5797	5732	GG	AA	1940552614
SNP_P1_264942_5778	NW_004519749.1	Scaffold5797	5778	AA	CC	1940552616
SNP_P1_264943_6000	NW_004519749.1	Scaffold5797	6000	AA	GG	1940552618
SNP_P1_264944_6045	NW_004519749.1	Scaffold5797	6045	GG	AA	1940552620
SNP_P1_264945_6394	NW_004519749.1	Scaffold5797	6394	AA	TT	1940552622
SNP_P1_264946_8632	NW_004519749.1	Scaffold5797	8632	AA	TT	1940552624
SNP_P1_264947_8658	NW_004519749.1	Scaffold5797	8658	CC	AA	1940552626
SNP_P1_264948_8678	NW_004519749.1	Scaffold5797	8678	AA	CC	1940552628
SNP_P1_264949_8736	NW_004519749.1	Scaffold5797	8736	TT	CC	1940552630
SNP_P1_264950_8922	NW_004519749.1	Scaffold5797	8922	CC	AA	1940552632
SNP_P1_264951_9015	NW_004519749.1	Scaffold5797	9015	CC	TT	1940552635
SNP_P1_264952_9017	NW_004519749.1	Scaffold5797	9017	GG	TT	1940552637
SNP_P1_264953_9029	NW_004519749.1	Scaffold5797	9029	AA	GG	1940552639
SNP_P1_264954_9069	NW_004519749.1	Scaffold5797	9069	AA	GG	1940552641
SNP_P1_264955_9086	NW_004519749.1	Scaffold5797	9086	GG	CC	1940552643
SNP_P1_264956_9180	NW_004519749.1	Scaffold5797	9180	GG	CC	1940552645
SNP_P1_264957_9532	NW_004519749.1	Scaffold5797	9532	CC	TT	1940552647
SNP_P1_264958_9549	NW_004519749.1	Scaffold5797	9549	AA	CC	1940552649
SNP_P1_264959_9557	NW_004519749.1	Scaffold5797	9557	TT	AA	1940552651
SNP_P1_264960_9788	NW_004519749.1	Scaffold5797	9788	GG	TT	1940552653
SNP_P1_264961_9792	NW_004519749.1	Scaffold5797	9792	TT	CC	1940552656
SNP_P1_264962_9814	NW_004519749.1	Scaffold5797	9814	GG	AA	1940552658
SNP_P1_264963_9819	NW_004519749.1	Scaffold5797	9819	TT	CC	1940552660
SNP_P1_264964_9820	NW_004519749.1	Scaffold5797	9820	TT	CC	1940552662
SNP_P1_264965_338	NW_004519750.1	Scaffold5801	338	GG	AA	1940552664
SNP_P1_264966_456	NW_004519750.1	Scaffold5801	456	CC	TT	1940552666
SNP_P1_264967_492	NW_004519750.1	Scaffold5801	492	TT	CC	1940552668

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_264969_1043	NW_004519750.1	Scaffold5801	1043	AA	CC	1940552672
SNP_P1_264970_2011	NW_004519750.1	Scaffold5801	2011	TT	CC	1940552674
SNP_P1_264971_2212	NW_004519750.1	Scaffold5801	2212	TT	AA	1940552676
SNP_P1_264972_2332	NW_004519750.1	Scaffold5801	2332	GG	AA	1940552679
SNP_P1_264973_2387	NW_004519750.1	Scaffold5801	2387	TT	GG	1940552681
SNP_P1_264974_2504	NW_004519750.1	Scaffold5801	2504	CC	TT	1940552683
SNP_P1_264975_307	NW_004519755.1	Scaffold5812	307	AA	GG	1940552685
SNP_P1_264977_2986	NW_004519755.1	Scaffold5812	2986	GG	AA	1940552687
SNP_P1_264979_6570	NW_004519755.1	Scaffold5812	6570	GG	AA	1940552689
SNP_P1_264980_16675	NW_004519755.1	Scaffold5812	16675	GG	AA	1940552691
SNP_P1_264981_18430	NW_004519755.1	Scaffold5812	18430	TT	CC	1940552693
SNP_P1_264982_26524	NW_004519755.1	Scaffold5812	26524	TT	CC	1940552695
SNP_P1_264983_30171	NW_004519755.1	Scaffold5812	30171	CC	GG	1940552697
SNP_P1_264984_30214	NW_004519755.1	Scaffold5812	30214	TT	AA	1940552700
SNP_P1_264985_30269	NW_004519755.1	Scaffold5812	30269	GG	AA	1940552702
SNP_P1_264986_30292	NW_004519755.1	Scaffold5812	30292	CC	TT	1940552704
SNP_P1_264987_30299	NW_004519755.1	Scaffold5812	30299	TT	AA	1940552706
SNP_P1_264988_30506	NW_004519755.1	Scaffold5812	30506	GG	AA	1940552708
SNP_P1_264989_30515	NW_004519755.1	Scaffold5812	30515	AA	GG	1940552710
SNP_P1_264991_30618	NW_004519755.1	Scaffold5812	30618	CC	AA	1940552712
SNP_P1_264992_30663	NW_004519755.1	Scaffold5812	30663	AA	TT	1940552714
SNP_P1_264994_45334	NW_004519755.1	Scaffold5812	45334	GG	AA	1940552716
SNP_P1_264995_45350	NW_004519755.1	Scaffold5812	45350	TT	AA	1940552718
SNP_P1_264996_45382	NW_004519755.1	Scaffold5812	45382	AA	GG	1940552721
SNP_P1_264997_45404	NW_004519755.1	Scaffold5812	45404	TT	CC	1940552723
SNP_P1_264998_45422	NW_004519755.1	Scaffold5812	45422	AA	GG	1940552725
SNP_P1_264999_45748	NW_004519755.1	Scaffold5812	45748	TT	CC	1940552727
SNP_P1_265000_45822	NW_004519755.1	Scaffold5812	45822	TT	AA	1940552729
SNP_P1_265001_47266	NW_004519755.1	Scaffold5812	47266	AA	GG	1940552731
SNP_P1_265002_47443	NW_004519755.1	Scaffold5812	47443	CC	TT	1940552733
SNP_P1_265003_47452	NW_004519755.1	Scaffold5812	47452	TT	CC	1940552735
SNP_P1_265004_47464	NW_004519755.1	Scaffold5812	47464	AA	TT	1940552737
SNP_P1_265005_47512	NW_004519755.1	Scaffold5812	47512	AA	GG	1940552740
SNP_P1_265006_47758	NW_004519755.1	Scaffold5812	47758	GG	AA	1940552742
SNP_P1_265007_73	NW_004519756.1	Scaffold5813	73	TT	AA	1940552744
SNP_P1_265009_2756	NW_004519756.1	Scaffold5813	2756	GG	TT	1940552746
SNP_P1_265010_2776	NW_004519756.1	Scaffold5813	2776	CC	AA	1940552748
SNP_P1_265011_2786	NW_004519756.1	Scaffold5813	2786	GG	CC	1940552750
SNP_P1_265012_4509	NW_004519756.1	Scaffold5813	4509	AA	CC	1940552752
SNP_P1_265013_1170	NW_004519758.1	Scaffold5815	1170	AA	TT	1940552754
SNP_P1_265014_1220	NW_004519758.1	Scaffold5815	1220	AA	GG	1940552756

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265016_1457	NW_004519758.1	Scaffold5815	1457	AA	TT	1940552760
SNP_P1_265017_1458	NW_004519758.1	Scaffold5815	1458	CC	AA	1940552763
SNP_P1_265018_1466	NW_004519758.1	Scaffold5815	1466	AA	CC	1940552765
SNP_P1_265019_1550	NW_004519758.1	Scaffold5815	1550	CC	GG	1940552767
SNP_P1_265020_1645	NW_004519758.1	Scaffold5815	1645	CC	TT	1940552769
SNP_P1_265021_1798	NW_004519758.1	Scaffold5815	1798	AA	GG	1940552771
SNP_P1_265022_1816	NW_004519758.1	Scaffold5815	1816	TT	CC	1940552773
SNP_P1_265023_1827	NW_004519758.1	Scaffold5815	1827	CC	AA	1940552775
SNP_P1_265024_1925	NW_004519758.1	Scaffold5815	1925	GG	TT	1940552777
SNP_P1_265025_1930	NW_004519758.1	Scaffold5815	1930	AA	CC	1940552779
SNP_P1_265026_1972	NW_004519758.1	Scaffold5815	1972	TT	GG	1940552781
SNP_P1_265027_3435	NW_004519758.1	Scaffold5815	3435	AA	TT	1940552784
SNP_P1_265028_5165	NW_004519759.1	Scaffold5816	5165	GG	CC	1940552786
SNP_P1_265029_5548	NW_004519759.1	Scaffold5816	5548	CC	TT	1940552788
SNP_P1_265030_6186	NW_004519759.1	Scaffold5816	6186	CC	TT	1940552790
SNP_P1_265031_6779	NW_004519759.1	Scaffold5816	6779	GG	TT	1940552792
SNP_P1_265032_6784	NW_004519759.1	Scaffold5816	6784	AA	TT	1940552794
SNP_P1_265033_6799	NW_004519759.1	Scaffold5816	6799	TT	GG	1940552796
SNP_P1_265034_6808	NW_004519759.1	Scaffold5816	6808	CC	TT	1940552798
SNP_P1_265035_6826	NW_004519759.1	Scaffold5816	6826	TT	AA	1940552800
SNP_P1_265036_498	NW_004519760.1	Scaffold5817	498	AA	CC	1940552802
SNP_P1_265037_500	NW_004519760.1	Scaffold5817	500	GG	AA	1940552805
SNP_P1_265038_646	NW_004519760.1	Scaffold5817	646	TT	GG	1940552807
SNP_P1_265039_793	NW_004519760.1	Scaffold5817	793	GG	TT	1940552809
SNP_P1_265040_841	NW_004519760.1	Scaffold5817	841	TT	CC	1940552811
SNP_P1_265041_892	NW_004519760.1	Scaffold5817	892	AA	GG	1940552813
SNP_P1_265042_992	NW_004519760.1	Scaffold5817	992	TT	AA	1940552815
SNP_P1_265043_1146	NW_004519763.1	Scaffold5822	1146	GG	CC	1940552817
SNP_P1_265044_69	NW_004519764.1	Scaffold5823	69	CC	TT	1940552819
SNP_P1_265045_113	NW_004519764.1	Scaffold5823	113	CC	AA	1940552821
SNP_P1_265046_141	NW_004519764.1	Scaffold5823	141	CC	AA	1940552823
SNP_P1_265047_269	NW_004519764.1	Scaffold5823	269	CC	AA	1940552825
SNP_P1_265048_339	NW_004519764.1	Scaffold5823	339	GG	TT	1940552828
SNP_P1_265049_442	NW_004519764.1	Scaffold5823	442	TT	GG	1940552830
SNP_P1_265050_624	NW_004519764.1	Scaffold5823	624	CC	TT	1940552832
SNP_P1_265051_657	NW_004519764.1	Scaffold5823	657	GG	AA	1940552834
SNP_P1_265053_1316	NW_004519764.1	Scaffold5823	1316	CC	TT	1940552836
SNP_P1_265054_1529	NW_004519764.1	Scaffold5823	1529	AA	GG	1940552838
SNP_P1_265055_1534	NW_004519764.1	Scaffold5823	1534	AA	TT	1940552840
SNP_P1_265056_1542	NW_004519764.1	Scaffold5823	1542	CC	GG	1940552842
SNP_P1_265057_1544	NW_004519764.1	Scaffold5823	1544	AA	CC	1940552844

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265059_1050	NW_004519765.1	Scaffold5824	1050	AA	GG	1940552849
SNP_P1_265060_32	NW_004519772.1	Scaffold5831	32	GG	TT	1940552851
SNP_P1_265061_64	NW_004519772.1	Scaffold5831	64	AA	GG	1940552853
SNP_P1_265062_73	NW_004519772.1	Scaffold5831	73	AA	GG	1940552855
SNP_P1_265063_671	NW_004519772.1	Scaffold5831	671	CC	AA	1940552857
SNP_P1_265065_729	NW_004519772.1	Scaffold5831	729	TT	AA	1940552859
SNP_P1_265066_3501	NW_004519774.1	Scaffold5833	3501	TT	CC	1940552861
SNP_P1_265067_924	NW_004519776.1	Scaffold5836	924	GG	AA	1940552863
SNP_P1_265068_5352	NW_004519778.1	Scaffold5839	5352	TT	AA	1940552865
SNP_P1_265069_5358	NW_004519778.1	Scaffold5839	5358	AA	TT	1940552868
SNP_P1_265070_5363	NW_004519778.1	Scaffold5839	5363	AA	GG	1940552870
SNP_P1_265071_5374	NW_004519778.1	Scaffold5839	5374	AA	GG	1940552872
SNP_P1_265072_5382	NW_004519778.1	Scaffold5839	5382	CC	TT	1940552874
SNP_P1_265073_5383	NW_004519778.1	Scaffold5839	5383	AA	GG	1940552876
SNP_P1_265074_5387	NW_004519778.1	Scaffold5839	5387	CC	TT	1940552878
SNP_P1_265075_5395	NW_004519778.1	Scaffold5839	5395	AA	TT	1940552880
SNP_P1_265076_5418	NW_004519778.1	Scaffold5839	5418	AA	TT	1940552882
SNP_P1_265077_5453	NW_004519778.1	Scaffold5839	5453	CC	TT	1940552884
SNP_P1_265078_5465	NW_004519778.1	Scaffold5839	5465	AA	TT	1940552886
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SNP_P1_265080_5486	NW_004519778.1	Scaffold5839	5486	GG	CC	1940552891
SNP_P1_265081_5714	NW_004519778.1	Scaffold5839	5714	GG	AA	1940552893
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SNP_P1_265083_6979	NW_004519778.1	Scaffold5839	6979	TT	AA	1940552897
SNP_P1_265084_7036	NW_004519778.1	Scaffold5839	7036	GG	AA	1940552899
SNP_P1_265085_7229	NW_004519778.1	Scaffold5839	7229	CC	GG	1940552901
SNP_P1_265086_7339	NW_004519778.1	Scaffold5839	7339	AA	GG	1940552903
SNP_P1_265087_7344	NW_004519778.1	Scaffold5839	7344	TT	GG	1940552905
SNP_P1_265088_7403	NW_004519778.1	Scaffold5839	7403	GG	TT	1940552907
SNP_P1_265089_7409	NW_004519778.1	Scaffold5839	7409	GG	AA	1940552909
SNP_P1_265090_7507	NW_004519778.1	Scaffold5839	7507	CC	AA	1940552912
SNP_P1_265091_7720	NW_004519778.1	Scaffold5839	7720	TT	GG	1940552914
SNP_P1_265092_7743	NW_004519778.1	Scaffold5839	7743	TT	CC	1940552916
SNP_P1_265093_7747	NW_004519778.1	Scaffold5839	7747	AA	TT	1940552918
SNP_P1_265094_7772	NW_004519778.1	Scaffold5839	7772	TT	AA	1940552920
SNP_P1_265095_7778	NW_004519778.1	Scaffold5839	7778	CC	AA	1940552922
SNP_P1_265096_7791	NW_004519778.1	Scaffold5839	7791	CC	AA	1940552924
SNP_P1_265097_7823	NW_004519778.1	Scaffold5839	7823	TT	AA	1940552926
SNP_P1_265098_7849	NW_004519778.1	Scaffold5839	7849	CC	TT	1940552928
SNP_P1_265099_7859	NW_004519778.1	Scaffold5839	7859	AA	GG	1940552930
SNP_P1_265100_7898	NW_004519778.1	Scaffold5839	7898	AA	GG	1940552933

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SNP_P1_265103_8009	NW_004519778.1	Scaffold5839	8009	GG	AA	1940552939
SNP_P1_265104_8025	NW_004519778.1	Scaffold5839	8025	GG	TT	1940552941
SNP_P1_265105_8145	NW_004519778.1	Scaffold5839	8145	AA	GG	1940552943
SNP_P1_265106_8192	NW_004519778.1	Scaffold5839	8192	GG	AA	1940552945
SNP_P1_265107_8284	NW_004519778.1	Scaffold5839	8284	TT	CC	1940552947
SNP_P1_265108_8285	NW_004519778.1	Scaffold5839	8285	TT	CC	1940552949
SNP_P1_265109_8321	NW_004519778.1	Scaffold5839	8321	AA	CC	1940552952
SNP_P1_265110_8327	NW_004519778.1	Scaffold5839	8327	AA	GG	1940552954
SNP_P1_265111_8333	NW_004519778.1	Scaffold5839	8333	CC	TT	1940552956
SNP_P1_265112_8375	NW_004519778.1	Scaffold5839	8375	CC	TT	1940552958
SNP_P1_265113_22688	NW_004519778.1	Scaffold5839	22688	AA	GG	1940552960
SNP_P1_265114_22714	NW_004519778.1	Scaffold5839	22714	CC	GG	1940552962
SNP_P1_265116_418	NW_004519780.1	Scaffold5841	418	CC	TT	1940552964
SNP_P1_265117_427	NW_004519780.1	Scaffold5841	427	TT	GG	1940552966
SNP_P1_265118_948	NW_004519780.1	Scaffold5841	948	CC	TT	1940552968
SNP_P1_265119_1052	NW_004519780.1	Scaffold5841	1052	AA	GG	1940552970
SNP_P1_265120_1458	NW_004519780.1	Scaffold5841	1458	AA	GG	1940552973
SNP_P1_265121_1606	NW_004519780.1	Scaffold5841	1606	CC	AA	1940552975
SNP_P1_265122_198	NW_004519782.1	Scaffold5843	198	TT	CC	1940552977
SNP_P1_265123_204	NW_004519782.1	Scaffold5843	204	CC	TT	1940552979
SNP_P1_265124_205	NW_004519782.1	Scaffold5843	205	AA	GG	1940552981
SNP_P1_265125_223	NW_004519782.1	Scaffold5843	223	GG	AA	1940552983
SNP_P1_265126_226	NW_004519782.1	Scaffold5843	226	AA	GG	1940552985
SNP_P1_265127_251	NW_004519782.1	Scaffold5843	251	AA	TT	1940552987
SNP_P1_265128_255	NW_004519782.1	Scaffold5843	255	AA	GG	1940552989
SNP_P1_265129_256	NW_004519782.1	Scaffold5843	256	CC	TT	1940552992
SNP_P1_265130_288	NW_004519782.1	Scaffold5843	288	CC	TT	1940552994
SNP_P1_265132_364	NW_004519782.1	Scaffold5843	364	GG	TT	1940552996
SNP_P1_265133_381	NW_004519782.1	Scaffold5843	381	TT	CC	1940552998
SNP_P1_265134_739	NW_004519782.1	Scaffold5843	739	AA	GG	1940553000
SNP_P1_265135_762	NW_004519782.1	Scaffold5843	762	AA	GG	1940553002
SNP_P1_265136_1396	NW_004519793.1	Scaffold5857	1396	GG	TT	1940553004
SNP_P1_265137_1415	NW_004519793.1	Scaffold5857	1415	AA	GG	1940553006
SNP_P1_265138_401	NW_004519795.1	Scaffold5863	401	TT	GG	1940553008
SNP_P1_265139_1260	NW_004519796.1	Scaffold5864	1260	TT	CC	1940553010
SNP_P1_265140_1433	NW_004519796.1	Scaffold5864	1433	TT	CC	1940553013
SNP_P1_265141_1436	NW_004519796.1	Scaffold5864	1436	CC	GG	1940553015
SNP_P1_265142_253	NW_004519797.1	Scaffold5867	253	CC	TT	1940553017
SNP_P1_265143_490	NW_004519797.1	Scaffold5867	490	AA	GG	1940553019
SNP_P1_265144_660	NW_004519797.1	Scaffold5867	660	CC	GG	1940553021

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_265145_696	NW_004519797.1	Scaffold5867	696	CC	AA	1940553023
SNP_P1_265146_769	NW_004519797.1	Scaffold5867	769	AA	GG	1940553025
SNP_P1_265148_905	NW_004519797.1	Scaffold5867	905	TT	GG	1940553027
SNP_P1_265149_948	NW_004519797.1	Scaffold5867	948	GG	CC	1940553029
SNP_P1_265150_957	NW_004519797.1	Scaffold5867	957	GG	CC	1940553032
SNP_P1_265151_961	NW_004519797.1	Scaffold5867	961	TT	CC	1940553034
SNP_P1_265152_1008	NW_004519797.1	Scaffold5867	1008	GG	AA	1940553036
SNP_P1_265153_1213	NW_004519797.1	Scaffold5867	1213	GG	AA	1940553038
SNP_P1_265154_1276	NW_004519797.1	Scaffold5867	1276	AA	GG	1940553040
SNP_P1_265155_371	NW_004519798.1	Scaffold5869	371	TT	CC	1940553042
SNP_P1_265156_429	NW_004519798.1	Scaffold5869	429	AA	GG	1940553044
SNP_P1_265157_732	NW_004519798.1	Scaffold5869	732	AA	GG	1940553046
SNP_P1_265158_817	NW_004519798.1	Scaffold5869	817	CC	AA	1940553048
SNP_P1_265159_894	NW_004519798.1	Scaffold5869	894	TT	CC	1940553050
SNP_P1_265160_935	NW_004519798.1	Scaffold5869	935	GG	AA	1940553053
SNP_P1_265161_4559	NW_004519798.1	Scaffold5869	4559	CC	GG	1940553055
SNP_P1_265162_4574	NW_004519798.1	Scaffold5869	4574	CC	AA	1940553057
SNP_P1_265163_4585	NW_004519798.1	Scaffold5869	4585	CC	TT	1940553059
SNP_P1_265164_5160	NW_004519798.1	Scaffold5869	5160	GG	TT	1940553061
SNP_P1_265165_5277	NW_004519798.1	Scaffold5869	5277	GG	AA	1940553063
SNP_P1_265166_5420	NW_004519798.1	Scaffold5869	5420	GG	AA	1940553065
SNP_P1_265167_5474	NW_004519798.1	Scaffold5869	5474	GG	AA	1940553067
SNP_P1_265168_5496	NW_004519798.1	Scaffold5869	5496	CC	TT	1940553069
SNP_P1_265169_5853	NW_004519798.1	Scaffold5869	5853	TT	CC	1940553072
SNP_P1_265170_6123	NW_004519798.1	Scaffold5869	6123	AA	GG	1940553074
SNP_P1_265171_6156	NW_004519798.1	Scaffold5869	6156	CC	TT	1940553076
SNP_P1_265172_7772	NW_004519798.1	Scaffold5869	7772	AA	GG	1940553078
SNP_P1_265173_7811	NW_004519798.1	Scaffold5869	7811	GG	AA	1940553080
SNP_P1_265174_7815	NW_004519798.1	Scaffold5869	7815	AA	GG	1940553082
SNP_P1_265175_8038	NW_004519798.1	Scaffold5869	8038	CC	AA	1940553084
SNP_P1_265176_8044	NW_004519798.1	Scaffold5869	8044	AA	GG	1940553086
SNP_P1_265177_8068	NW_004519798.1	Scaffold5869	8068	TT	CC	1940553088
SNP_P1_265178_8085	NW_004519798.1	Scaffold5869	8085	GG	AA	1940553091
SNP_P1_265179_8116	NW_004519798.1	Scaffold5869	8116	CC	TT	1940553093
SNP_P1_265180_8143	NW_004519798.1	Scaffold5869	8143	AA	GG	1940553095
SNP_P1_265181_8153	NW_004519798.1	Scaffold5869	8153	TT	CC	1940553097
SNP_P1_265182_8314	NW_004519798.1	Scaffold5869	8314	TT	CC	1940553099
SNP_P1_265183_12565	NW_004519798.1	Scaffold5869	12565	AA	GG	1940553101
SNP_P1_265184_12591	NW_004519798.1	Scaffold5869	12591	TT	GG	1940553103
SNP_P1_265185_17897	NW_004519798.1	Scaffold5869	17897	CC	TT	1940553105
SNP_P1_265186_17919	NW_004519798.1	Scaffold5869	17919	AA	GG	1940553107
SNP_P1_265187_17953	NW_004519798.1	Scaffold5869	17953	AA	TT	1940553110

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_265188_17992	NW_004519798.1	Scaffold5869	17992	AA	TT	1940553112
SNP_P1_265189_18006	NW_004519798.1	Scaffold5869	18006	TT	GG	1940553114
SNP_P1_265190_18089	NW_004519798.1	Scaffold5869	18089	GG	AA	1940553116
SNP_P1_265191_18147	NW_004519798.1	Scaffold5869	18147	CC	TT	1940553118
SNP_P1_265192_18464	NW_004519798.1	Scaffold5869	18464	CC	TT	1940553120
SNP_P1_265193_865	NW_004519799.1	Scaffold5871	865	CC	GG	1940553122
SNP_P1_265194_1164	NW_004519799.1	Scaffold5871	1164	TT	GG	1940553124
SNP_P1_265196_1218	NW_004519799.1	Scaffold5871	1218	CC	AA	1940553126
SNP_P1_265197_380	NW_004519800.1	Scaffold5872	380	CC	AA	1940553128
SNP_P1_265198_763	NW_004519800.1	Scaffold5872	763	GG	AA	1940553131
SNP_P1_265199_1091	NW_004519800.1	Scaffold5872	1091	CC	TT	1940553133
SNP_P1_265200_283	NW_004519803.1	Scaffold5876	283	CC	TT	1940553135
SNP_P1_265201_321	NW_004519803.1	Scaffold5876	321	GG	CC	1940553137
SNP_P1_265202_824	NW_004519806.1	Scaffold5880	824	GG	AA	1940553139
SNP_P1_265203_861	NW_004519806.1	Scaffold5880	861	CC	TT	1940553141
SNP_P1_265206_717	NW_004519809.1	Scaffold5883	717	TT	GG	1940553143
SNP_P1_265207_726	NW_004519809.1	Scaffold5883	726	TT	CC	1940553145
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SNP_P1_265209_774	NW_004519812.1	Scaffold5889	774	AA	GG	1940553149
SNP_P1_265210_814	NW_004519812.1	Scaffold5889	814	GG	AA	1940553152
SNP_P1_265211_819	NW_004519812.1	Scaffold5889	819	CC	TT	1940553154
SNP_P1_265212_827	NW_004519812.1	Scaffold5889	827	AA	TT	1940553156
SNP_P1_265213_924	NW_004519812.1	Scaffold5889	924	GG	TT	1940553158
SNP_P1_265214_1154	NW_004519812.1	Scaffold5889	1154	GG	TT	1940553160
SNP_P1_265215_1155	NW_004519812.1	Scaffold5889	1155	AA	GG	1940553162
SNP_P1_265216_1581	NW_004519812.1	Scaffold5889	1581	GG	AA	1940553164
SNP_P1_265217_1632	NW_004519812.1	Scaffold5889	1632	GG	AA	1940553166
SNP_P1_265218_20417	NW_004519812.1	Scaffold5889	20417	CC	TT	1940553168
SNP_P1_265219_20890	NW_004519812.1	Scaffold5889	20890	TT	CC	1940553170
SNP_P1_265220_21023	NW_004519812.1	Scaffold5889	21023	TT	AA	1940553172
SNP_P1_265221_21033	NW_004519812.1	Scaffold5889	21033	TT	GG	1940553175
SNP_P1_265222_870	NW_004519813.1	Scaffold5891	870	AA	TT	1940553177
SNP_P1_265223_895	NW_004519813.1	Scaffold5891	895	GG	AA	1940553179
SNP_P1_265225_4837	NW_004519813.1	Scaffold5891	4837	TT	AA	1940553181
SNP_P1_265226_4961	NW_004519813.1	Scaffold5891	4961	AA	TT	1940553183
SNP_P1_265227_4970	NW_004519813.1	Scaffold5891	4970	AA	GG	1940553185
SNP_P1_265228_4975	NW_004519813.1	Scaffold5891	4975	TT	AA	1940553187
SNP_P1_265230_5892	NW_004519813.1	Scaffold5891	5892	GG	TT	1940553189
SNP_P1_265231_5893	NW_004519813.1	Scaffold5891	5893	GG	TT	1940553191
SNP_P1_265232_6516	NW_004519813.1	Scaffold5891	6516	TT	AA	1940553194
SNP_P1_265233_11597	NW_004519815.1	Scaffold5893	11597	CC	TT	1940553196
SNP_P1_265234_73	NW_004519818.1	Scaffold5898	73	GG	AA	1940553198

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265236_126	NW_004519820.1	Scaffold5900	126	TT	CC	1940553202
SNP_P1_265237_140	NW_004519820.1	Scaffold5900	140	AA	TT	1940553204
SNP_P1_265238_184	NW_004519820.1	Scaffold5900	184	AA	GG	1940553206
SNP_P1_265239_332	NW_004519820.1	Scaffold5900	332	AA	GG	1940553208
SNP_P1_265240_489	NW_004519820.1	Scaffold5900	489	TT	AA	1940553210
SNP_P1_265241_516	NW_004519820.1	Scaffold5900	516	CC	AA	1940553212
SNP_P1_265242_519	NW_004519820.1	Scaffold5900	519	GG	TT	1940553215
SNP_P1_265243_526	NW_004519820.1	Scaffold5900	526	AA	GG	1940553217
SNP_P1_265244_539	NW_004519820.1	Scaffold5900	539	AA	GG	1940553219
SNP_P1_265245_547	NW_004519820.1	Scaffold5900	547	GG	CC	1940553221
SNP_P1_265246_591	NW_004519820.1	Scaffold5900	591	AA	GG	1940553223
SNP_P1_265247_593	NW_004519820.1	Scaffold5900	593	TT	CC	1940553225
SNP_P1_265248_613	NW_004519820.1	Scaffold5900	613	GG	AA	1940553227
SNP_P1_265249_654	NW_004519820.1	Scaffold5900	654	TT	CC	1940553229
SNP_P1_265250_661	NW_004519820.1	Scaffold5900	661	AA	GG	1940553231
SNP_P1_265251_693	NW_004519820.1	Scaffold5900	693	AA	CC	1940553234
SNP_P1_265253_4968	NW_004519821.1	Scaffold5901	4968	TT	CC	1940553236
SNP_P1_265254_4993	NW_004519821.1	Scaffold5901	4993	CC	TT	1940553238
SNP_P1_265255_5003	NW_004519821.1	Scaffold5901	5003	GG	AA	1940553240
SNP_P1_265256_5006	NW_004519821.1	Scaffold5901	5006	TT	CC	1940553242
SNP_P1_265257_5034	NW_004519821.1	Scaffold5901	5034	GG	AA	1940553244
SNP_P1_265259_5103	NW_004519821.1	Scaffold5901	5103	GG	AA	1940553246
SNP_P1_265260_5114	NW_004519821.1	Scaffold5901	5114	CC	TT	1940553248
SNP_P1_265261_214	NW_004519823.1	Scaffold5904	214	TT	CC	1940553250
SNP_P1_265262_693	NW_004519823.1	Scaffold5904	693	AA	GG	1940553252
SNP_P1_265263_14665	NW_004519823.1	Scaffold5904	14665	TT	CC	1940553254
SNP_P1_265264_14691	NW_004519823.1	Scaffold5904	14691	TT	CC	1940553257
SNP_P1_265265_14778	NW_004519823.1	Scaffold5904	14778	AA	CC	1940553259
SNP_P1_265266_15169	NW_004519823.1	Scaffold5904	15169	AA	GG	1940553261
SNP_P1_265267_17151	NW_004519823.1	Scaffold5904	17151	AA	GG	1940553263
SNP_P1_265268_17254	NW_004519823.1	Scaffold5904	17254	TT	GG	1940553265
SNP_P1_265270_17408	NW_004519823.1	Scaffold5904	17408	AA	TT	1940553267
SNP_P1_265271_17430	NW_004519823.1	Scaffold5904	17430	TT	AA	1940553269
SNP_P1_265272_17455	NW_004519823.1	Scaffold5904	17455	GG	AA	1940553271
SNP_P1_265273_17582	NW_004519823.1	Scaffold5904	17582	TT	CC	1940553273
SNP_P1_265274_17679	NW_004519823.1	Scaffold5904	17679	TT	AA	1940553276
SNP_P1_265275_17802	NW_004519823.1	Scaffold5904	17802	GG	TT	1940553278
SNP_P1_265276_17966	NW_004519823.1	Scaffold5904	17966	AA	GG	1940553280
SNP_P1_265277_18298	NW_004519823.1	Scaffold5904	18298	TT	AA	1940553282
SNP_P1_265278_18333	NW_004519823.1	Scaffold5904	18333	GG	CC	1940553284
SNP_P1_265279_18508	NW_004519823.1	Scaffold5904	18508	TT	GG	1940553286

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265281_21689	NW_004519823.1	Scaffold5904	21689	AA	TT	1940553290
SNP_P1_265282_22251	NW_004519823.1	Scaffold5904	22251	TT	GG	1940553292
SNP_P1_265283_22377	NW_004519823.1	Scaffold5904	22377	TT	AA	1940553295
SNP_P1_265284_22469	NW_004519823.1	Scaffold5904	22469	AA	CC	1940553297
SNP_P1_265285_22565	NW_004519823.1	Scaffold5904	22565	CC	AA	1940553299
SNP_P1_265286_22615	NW_004519823.1	Scaffold5904	22615	CC	TT	1940553301
SNP_P1_265287_22626	NW_004519823.1	Scaffold5904	22626	CC	TT	1940553303
SNP_P1_265288_22683	NW_004519823.1	Scaffold5904	22683	TT	CC	1940553305
SNP_P1_265289_22727	NW_004519823.1	Scaffold5904	22727	CC	TT	1940553307
SNP_P1_265290_23293	NW_004519823.1	Scaffold5904	23293	AA	TT	1940553309
SNP_P1_265292_23440	NW_004519823.1	Scaffold5904	23440	CC	AA	1940553311
SNP_P1_265294_2053	NW_004519827.1	Scaffold5909	2053	TT	GG	1940553314
SNP_P1_265295_2326	NW_004519827.1	Scaffold5909	2326	TT	AA	1940553316
SNP_P1_265296_2336	NW_004519827.1	Scaffold5909	2336	AA	CC	1940553318
SNP_P1_265297_2454	NW_004519827.1	Scaffold5909	2454	AA	GG	1940553320
SNP_P1_265298_2503	NW_004519827.1	Scaffold5909	2503	GG	CC	1940553322
SNP_P1_265299_1070	NW_004519829.1	Scaffold5913	1070	TT	AA	1940553324
SNP_P1_265300_1098	NW_004519829.1	Scaffold5913	1098	GG	TT	1940553326
SNP_P1_265301_351	NW_004519830.1	Scaffold5914	351	GG	TT	1940553328
SNP_P1_265302_750	NW_004519830.1	Scaffold5914	750	CC	GG	1940553330
SNP_P1_265303_776	NW_004519830.1	Scaffold5914	776	CC	TT	1940553333
SNP_P1_265304_789	NW_004519830.1	Scaffold5914	789	AA	CC	1940553335
SNP_P1_265305_1223	NW_004519830.1	Scaffold5914	1223	AA	CC	1940553337
SNP_P1_265306_830	NW_004519832.1	Scaffold5916	830	AA	TT	1940553339
SNP_P1_265307_835	NW_004519832.1	Scaffold5916	835	GG	AA	1940553341
SNP_P1_265308_877	NW_004519832.1	Scaffold5916	877	GG	AA	1940553343
SNP_P1_265309_894	NW_004519832.1	Scaffold5916	894	CC	GG	1940553345
SNP_P1_265310_911	NW_004519832.1	Scaffold5916	911	AA	GG	1940553347
SNP_P1_265311_918	NW_004519832.1	Scaffold5916	918	TT	CC	1940553349
SNP_P1_265312_957	NW_004519832.1	Scaffold5916	957	TT	CC	1940553352
SNP_P1_265313_962	NW_004519832.1	Scaffold5916	962	CC	AA	1940553354
SNP_P1_265314_971	NW_004519832.1	Scaffold5916	971	CC	AA	1940553356
SNP_P1_265315_987	NW_004519832.1	Scaffold5916	987	CC	GG	1940553358
SNP_P1_265316_1080	NW_004519832.1	Scaffold5916	1080	TT	GG	1940553360
SNP_P1_265318_1331	NW_004519832.1	Scaffold5916	1331	CC	TT	1940553362
SNP_P1_265319_731	NW_004519833.1	Scaffold5917	731	TT	CC	1940553364
SNP_P1_265320_868	NW_004519833.1	Scaffold5917	868	GG	TT	1940553366
SNP_P1_265321_46	NW_004519834.1	Scaffold5918	46	AA	GG	1940553368
SNP_P1_265322_63	NW_004519834.1	Scaffold5918	63	CC	TT	1940553370
SNP_P1_265323_64	NW_004519834.1	Scaffold5918	64	CC	AA	1940553373
SNP_P1_265324_91	NW_004519834.1	Scaffold5918	91	AA	TT	1940553375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265326_118	NW_004519834.1	Scaffold5918	118	AA	CC	1940553379
SNP_P1_265327_132	NW_004519834.1	Scaffold5918	132	AA	GG	1940553381
SNP_P1_265328_133	NW_004519834.1	Scaffold5918	133	AA	GG	1940553383
SNP_P1_265329_285	NW_004519834.1	Scaffold5918	285	AA	CC	1940553385
SNP_P1_265330_310	NW_004519834.1	Scaffold5918	310	GG	AA	1940553387
SNP_P1_265331_312	NW_004519834.1	Scaffold5918	312	GG	TT	1940553389
SNP_P1_265332_338	NW_004519834.1	Scaffold5918	338	CC	AA	1940553392
SNP_P1_265333_340	NW_004519834.1	Scaffold5918	340	AA	TT	1940553394
SNP_P1_265334_500	NW_004519834.1	Scaffold5918	500	AA	CC	1940553396
SNP_P1_265335_522	NW_004519834.1	Scaffold5918	522	GG	AA	1940553398
SNP_P1_265336_540	NW_004519834.1	Scaffold5918	540	GG	AA	1940553400
SNP_P1_265337_591	NW_004519834.1	Scaffold5918	591	TT	CC	1940553402
SNP_P1_265338_616	NW_004519834.1	Scaffold5918	616	AA	TT	1940553404
SNP_P1_265339_617	NW_004519834.1	Scaffold5918	617	CC	TT	1940553406
SNP_P1_265340_659	NW_004519834.1	Scaffold5918	659	AA	TT	1940553408
SNP_P1_265341_812	NW_004519834.1	Scaffold5918	812	TT	GG	1940553410
SNP_P1_265342_829	NW_004519834.1	Scaffold5918	829	GG	TT	1940553413
SNP_P1_265343_836	NW_004519834.1	Scaffold5918	836	CC	AA	1940553415
SNP_P1_265344_845	NW_004519834.1	Scaffold5918	845	AA	GG	1940553417
SNP_P1_265345_871	NW_004519834.1	Scaffold5918	871	GG	AA	1940553419
SNP_P1_265346_896	NW_004519834.1	Scaffold5918	896	CC	TT	1940553421
SNP_P1_265347_899	NW_004519834.1	Scaffold5918	899	CC	AA	1940553423
SNP_P1_265348_912	NW_004519834.1	Scaffold5918	912	GG	AA	1940553425
SNP_P1_265349_955	NW_004519834.1	Scaffold5918	955	AA	TT	1940553427
SNP_P1_265350_1066	NW_004519834.1	Scaffold5918	1066	TT	CC	1940553429
SNP_P1_265351_1088	NW_004519834.1	Scaffold5918	1088	GG	AA	1940553431
SNP_P1_265352_1119	NW_004519834.1	Scaffold5918	1119	TT	CC	1940553434
SNP_P1_265353_840	NW_004519836.1	Scaffold5920	840	CC	TT	1940553436
SNP_P1_265357_573	NW_004519837.1	Scaffold5921	573	TT	CC	1940553438
SNP_P1_265358_588	NW_004519837.1	Scaffold5921	588	AA	CC	1940553440
SNP_P1_265359_647	NW_004519837.1	Scaffold5921	647	AA	CC	1940553442
SNP_P1_265360_687	NW_004519837.1	Scaffold5921	687	GG	CC	1940553444
SNP_P1_265362_389	NW_004519839.1	Scaffold5923	389	GG	AA	1940553446
SNP_P1_265364_489	NW_004519839.1	Scaffold5923	489	GG	CC	1940553448
SNP_P1_265365_673	NW_004519840.1	Scaffold5925	673	CC	TT	1940553450
SNP_P1_265366_1175	NW_004519840.1	Scaffold5925	1175	GG	AA	1940553453
SNP_P1_265367_1459	NW_004519840.1	Scaffold5925	1459	AA	GG	1940553455
SNP_P1_265368_1531	NW_004519840.1	Scaffold5925	1531	GG	AA	1940553457
SNP_P1_265369_1692	NW_004519840.1	Scaffold5925	1692	AA	TT	1940553459
SNP_P1_265370_1840	NW_004519840.1	Scaffold5925	1840	TT	CC	1940553461
SNP_P1_265371_1915	NW_004519840.1	Scaffold5925	1915	GG	AA	1940553463

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265374_2405	NW_004519840.1	Scaffold5925	2405	AA	CC	1940553469
SNP_P1_265375_2433	NW_004519840.1	Scaffold5925	2433	CC	TT	1940553471
SNP_P1_265376_417	NW_004519843.1	Scaffold5928	417	GG	AA	1940553473
SNP_P1_265377_536	NW_004519843.1	Scaffold5928	536	GG	AA	1940553476
SNP_P1_265378_748	NW_004519843.1	Scaffold5928	748	CC	TT	1940553478
SNP_P1_265379_850	NW_004519843.1	Scaffold5928	850	AA	CC	1940553480
SNP_P1_265380_1031	NW_004519843.1	Scaffold5928	1031	AA	GG	1940553482
SNP_P1_265381_1074	NW_004519843.1	Scaffold5928	1074	GG	CC	1940553484
SNP_P1_265382_1312	NW_004519843.1	Scaffold5928	1312	GG	AA	1940553486
SNP_P1_265383_1358	NW_004519843.1	Scaffold5928	1358	CC	TT	1940553488
SNP_P1_265384_1365	NW_004519843.1	Scaffold5928	1365	GG	AA	1940553490
SNP_P1_265385_1372	NW_004519843.1	Scaffold5928	1372	GG	CC	1940553492
SNP_P1_265386_1388	NW_004519843.1	Scaffold5928	1388	TT	CC	1940553494
SNP_P1_265387_1411	NW_004519843.1	Scaffold5928	1411	TT	AA	1940553497
SNP_P1_265388_1501	NW_004519843.1	Scaffold5928	1501	TT	CC	1940553499
SNP_P1_265389_1810	NW_004519843.1	Scaffold5928	1810	TT	GG	1940553501
SNP_P1_265390_1836	NW_004519843.1	Scaffold5928	1836	AA	GG	1940553503
SNP_P1_265391_1924	NW_004519843.1	Scaffold5928	1924	AA	TT	1940553505
SNP_P1_265392_2022	NW_004519843.1	Scaffold5928	2022	AA	GG	1940553507
SNP_P1_265393_2070	NW_004519843.1	Scaffold5928	2070	AA	GG	1940553509
SNP_P1_265394_2076	NW_004519843.1	Scaffold5928	2076	TT	GG	1940553511
SNP_P1_265395_2111	NW_004519843.1	Scaffold5928	2111	CC	GG	1940553513
SNP_P1_265396_2349	NW_004519843.1	Scaffold5928	2349	TT	CC	1940553515
SNP_P1_265397_2383	NW_004519843.1	Scaffold5928	2383	GG	AA	1940553517
SNP_P1_265398_2409	NW_004519843.1	Scaffold5928	2409	AA	GG	1940553520
SNP_P1_265399_2422	NW_004519843.1	Scaffold5928	2422	CC	AA	1940553522
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SNP_P1_265401_2437	NW_004519843.1	Scaffold5928	2437	GG	AA	1940553526
SNP_P1_265402_2489	NW_004519843.1	Scaffold5928	2489	TT	CC	1940553528
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SNP_P1_265405_2732	NW_004519843.1	Scaffold5928	2732	TT	CC	1940553534
SNP_P1_265406_2803	NW_004519843.1	Scaffold5928	2803	GG	AA	1940553536
SNP_P1_265407_2901	NW_004519843.1	Scaffold5928	2901	CC	TT	1940553538
SNP_P1_265408_2939	NW_004519843.1	Scaffold5928	2939	CC	TT	1940553541
SNP_P1_265409_2980	NW_004519843.1	Scaffold5928	2980	TT	CC	1940553543
SNP_P1_265410_3205	NW_004519843.1	Scaffold5928	3205	CC	GG	1940553545
SNP_P1_265411_3694	NW_004519843.1	Scaffold5928	3694	TT	CC	1940553547
SNP_P1_265412_3724	NW_004519843.1	Scaffold5928	3724	GG	AA	1940553549
SNP_P1_265413_3823	NW_004519843.1	Scaffold5928	3823	GG	AA	1940553551

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265415_4001	NW_004519843.1	Scaffold5928	4001	CC	TT	1940553555
SNP_P1_265417_4135	NW_004519843.1	Scaffold5928	4135	CC	TT	1940553557
SNP_P1_265418_4374	NW_004519843.1	Scaffold5928	4374	AA	TT	1940553559
SNP_P1_265419_4689	NW_004519843.1	Scaffold5928	4689	GG	CC	1940553561
SNP_P1_265420_4699	NW_004519843.1	Scaffold5928	4699	GG	AA	1940553564
SNP_P1_265421_4702	NW_004519843.1	Scaffold5928	4702	GG	TT	1940553566
SNP_P1_265422_4703	NW_004519843.1	Scaffold5928	4703	TT	CC	1940553568
SNP_P1_265423_4704	NW_004519843.1	Scaffold5928	4704	GG	AA	1940553570
SNP_P1_265424_4706	NW_004519843.1	Scaffold5928	4706	AA	TT	1940553572
SNP_P1_265425_4707	NW_004519843.1	Scaffold5928	4707	AA	TT	1940553574
SNP_P1_265426_8010	NW_004519843.1	Scaffold5928	8010	AA	CC	1940553576
SNP_P1_265427_8268	NW_004519843.1	Scaffold5928	8268	AA	TT	1940553578
SNP_P1_265428_8276	NW_004519843.1	Scaffold5928	8276	CC	TT	1940553580
SNP_P1_265429_8280	NW_004519843.1	Scaffold5928	8280	AA	CC	1940553582
SNP_P1_265430_8285	NW_004519843.1	Scaffold5928	8285	TT	CC	1940553584
SNP_P1_265431_8291	NW_004519843.1	Scaffold5928	8291	TT	AA	1940553587
SNP_P1_265432_8300	NW_004519843.1	Scaffold5928	8300	AA	GG	1940553589
SNP_P1_265433_8355	NW_004519843.1	Scaffold5928	8355	CC	GG	1940553591
SNP_P1_265434_8382	NW_004519843.1	Scaffold5928	8382	GG	AA	1940553593
SNP_P1_265435_8402	NW_004519843.1	Scaffold5928	8402	TT	GG	1940553595
SNP_P1_265436_8424	NW_004519843.1	Scaffold5928	8424	TT	GG	1940553597
SNP_P1_265437_8662	NW_004519843.1	Scaffold5928	8662	TT	GG	1940553599
SNP_P1_265438_8676	NW_004519843.1	Scaffold5928	8676	AA	CC	1940553601
SNP_P1_265439_8784	NW_004519843.1	Scaffold5928	8784	TT	AA	1940553603
SNP_P1_265440_8857	NW_004519843.1	Scaffold5928	8857	AA	TT	1940553605
SNP_P1_265441_8916	NW_004519843.1	Scaffold5928	8916	AA	CC	1940553608
SNP_P1_265442_1304	NW_004519844.1	Scaffold5929	1304	AA	TT	1940553610
SNP_P1_265443_1674	NW_004519844.1	Scaffold5929	1674	AA	CC	1940553612
SNP_P1_265444_20565	NW_004519846.1	Scaffold5932	20565	CC	TT	1940553614
SNP_P1_265445_1262	NW_004519847.1	Scaffold5933	1262	CC	AA	1940553616
SNP_P1_265447_27260	NW_004519848.1	Scaffold5934	27260	CC	TT	1940553618
SNP_P1_265448_28938	NW_004519848.1	Scaffold5934	28938	CC	TT	1940553620
SNP_P1_265449_28960	NW_004519848.1	Scaffold5934	28960	CC	AA	1940553622
SNP_P1_265450_28971	NW_004519848.1	Scaffold5934	28971	TT	CC	1940553624
SNP_P1_265451_28983	NW_004519848.1	Scaffold5934	28983	AA	GG	1940553626
SNP_P1_265452_28998	NW_004519848.1	Scaffold5934	28998	AA	GG	1940553629
SNP_P1_265453_29057	NW_004519848.1	Scaffold5934	29057	AA	CC	1940553631
SNP_P1_265454_956	NW_004519850.1	Scaffold5936	956	TT	CC	1940553633
SNP_P1_265455_64	NW_004519852.1	Scaffold5938	64	TT	GG	1940553635
SNP_P1_265456_105	NW_004519852.1	Scaffold5938	105	CC	TT	1940553637
SNP_P1_265457_64	NW_004519853.1	Scaffold5939	64	TT	GG	1940553639

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265459_90	NW_004519853.1	Scaffold5939	90	CC	TT	1940553643
SNP_P1_265460_91	NW_004519853.1	Scaffold5939	91	GG	TT	1940553645
SNP_P1_265461_368	NW_004519853.1	Scaffold5939	368	CC	TT	1940553647
SNP_P1_265462_415	NW_004519853.1	Scaffold5939	415	AA	GG	1940553649
SNP_P1_265464_240	NW_004519856.1	Scaffold5945	240	CC	TT	1940553652
SNP_P1_265465_486	NW_004519856.1	Scaffold5945	486	TT	AA	1940553654
SNP_P1_265466_595	NW_004519856.1	Scaffold5945	595	AA	GG	1940553656
SNP_P1_265467_893	NW_004519856.1	Scaffold5945	893	CC	AA	1940553658
SNP_P1_265468_1043	NW_004519856.1	Scaffold5945	1043	CC	TT	1940553660
SNP_P1_265469_1055	NW_004519856.1	Scaffold5945	1055	GG	AA	1940553662
SNP_P1_265470_1132	NW_004519856.1	Scaffold5945	1132	CC	TT	1940553664
SNP_P1_265471_1149	NW_004519856.1	Scaffold5945	1149	TT	GG	1940553666
SNP_P1_265472_1150	NW_004519856.1	Scaffold5945	1150	GG	TT	1940553668
SNP_P1_265473_1181	NW_004519856.1	Scaffold5945	1181	CC	AA	1940553670
SNP_P1_265474_1310	NW_004519856.1	Scaffold5945	1310	TT	CC	1940553673
SNP_P1_265475_1603	NW_004519857.1	Scaffold5946	1603	TT	GG	1940553675
SNP_P1_265476_2134	NW_004519857.1	Scaffold5946	2134	AA	GG	1940553677
SNP_P1_265477_2901	NW_004519857.1	Scaffold5946	2901	GG	AA	1940553679
SNP_P1_265478_1564	NW_004519859.1	Scaffold5952	1564	AA	TT	1940553681
SNP_P1_265479_1565	NW_004519859.1	Scaffold5952	1565	AA	CC	1940553683
SNP_P1_265481_1779	NW_004519859.1	Scaffold5952	1779	GG	TT	1940553685
SNP_P1_265482_1783	NW_004519859.1	Scaffold5952	1783	TT	CC	1940553687
SNP_P1_265483_1788	NW_004519859.1	Scaffold5952	1788	CC	TT	1940553689
SNP_P1_265485_1854	NW_004519859.1	Scaffold5952	1854	TT	AA	1940553691
SNP_P1_265486_1993	NW_004519859.1	Scaffold5952	1993	CC	AA	1940553694
SNP_P1_265487_2066	NW_004519859.1	Scaffold5952	2066	AA	TT	1940553696
SNP_P1_265488_2119	NW_004519859.1	Scaffold5952	2119	TT	GG	1940553698
SNP_P1_265489_2126	NW_004519859.1	Scaffold5952	2126	AA	TT	1940553700
SNP_P1_265490_684	NW_004519861.1	Scaffold5954	684	CC	AA	1940553702
SNP_P1_265491_704	NW_004519861.1	Scaffold5954	704	AA	TT	1940553704
SNP_P1_265493_745	NW_004519861.1	Scaffold5954	745	AA	GG	1940553706
SNP_P1_265494_755	NW_004519861.1	Scaffold5954	755	GG	AA	1940553708
SNP_P1_265495_840	NW_004519861.1	Scaffold5954	840	AA	TT	1940553710
SNP_P1_265496_902	NW_004519861.1	Scaffold5954	902	CC	TT	1940553712
SNP_P1_265497_1067	NW_004519861.1	Scaffold5954	1067	GG	AA	1940553714
SNP_P1_265498_1097	NW_004519861.1	Scaffold5954	1097	AA	TT	1940553717
SNP_P1_265499_1213	NW_004519861.1	Scaffold5954	1213	TT	AA	1940553719
SNP_P1_265500_1267	NW_004519861.1	Scaffold5954	1267	GG	AA	1940553721
SNP_P1_265501_1282	NW_004519861.1	Scaffold5954	1282	TT	AA	1940553723
SNP_P1_265502_1318	NW_004519861.1	Scaffold5954	1318	CC	TT	1940553725
SNP_P1_265503_1406	NW_004519861.1	Scaffold5954	1406	GG	AA	1940553727

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265506_617	NW_004519862.1	Scaffold5955	617	CC	TT	1940553731
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SNP_P1_265508_902	NW_004519862.1	Scaffold5955	902	CC	AA	1940553735
SNP_P1_265509_907	NW_004519862.1	Scaffold5955	907	CC	AA	1940553738
SNP_P1_265511_915	NW_004519862.1	Scaffold5955	915	TT	CC	1940553740
SNP_P1_265512_927	NW_004519862.1	Scaffold5955	927	CC	AA	1940553742
SNP_P1_265513_1437	NW_004519862.1	Scaffold5955	1437	TT	CC	1940553744
SNP_P1_265514_1445	NW_004519862.1	Scaffold5955	1445	TT	GG	1940553746
SNP_P1_265515_1475	NW_004519862.1	Scaffold5955	1475	TT	GG	1940553748
SNP_P1_265516_1492	NW_004519862.1	Scaffold5955	1492	AA	GG	1940553750
SNP_P1_265517_1503	NW_004519862.1	Scaffold5955	1503	TT	CC	1940553752
SNP_P1_265518_1508	NW_004519862.1	Scaffold5955	1508	AA	GG	1940553754
SNP_P1_265519_1509	NW_004519862.1	Scaffold5955	1509	TT	CC	1940553756
SNP_P1_265520_1543	NW_004519862.1	Scaffold5955	1543	AA	CC	1940553758
SNP_P1_265521_1585	NW_004519862.1	Scaffold5955	1585	TT	CC	1940553761
SNP_P1_265522_1630	NW_004519862.1	Scaffold5955	1630	TT	CC	1940553763
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SNP_P1_265525_1655	NW_004519862.1	Scaffold5955	1655	AA	GG	1940553769
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SNP_P1_265527_923	NW_004519864.1	Scaffold5957	923	AA	GG	1940553773
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SNP_P1_265531_749	NW_004519867.1	Scaffold5960	749	TT	CC	1940553782
SNP_P1_265532_819	NW_004519867.1	Scaffold5960	819	TT	AA	1940553784
SNP_P1_265533_878	NW_004519867.1	Scaffold5960	878	TT	CC	1940553786
SNP_P1_265534_1096	NW_004519867.1	Scaffold5960	1096	GG	AA	1940553788
SNP_P1_265535_1273	NW_004519867.1	Scaffold5960	1273	TT	CC	1940553790
SNP_P1_265536_1331	NW_004519867.1	Scaffold5960	1331	AA	TT	1940553792
SNP_P1_265537_539	NW_004519868.1	Scaffold5963	539	AA	GG	1940553794
SNP_P1_265538_544	NW_004519868.1	Scaffold5963	544	CC	AA	1940553796
SNP_P1_265539_545	NW_004519868.1	Scaffold5963	545	AA	CC	1940553798
SNP_P1_265540_572	NW_004519868.1	Scaffold5963	572	AA	CC	1940553800
SNP_P1_265541_424	NW_004519869.1	Scaffold5964	424	CC	GG	1940553803
SNP_P1_265542_64	NW_004519876.1	Scaffold5977	64	GG	AA	1940553805
SNP_P1_265543_74	NW_004519876.1	Scaffold5977	74	CC	TT	1940553807
SNP_P1_265544_171	NW_004519876.1	Scaffold5977	171	CC	GG	1940553809
SNP_P1_265546_465	NW_004519876.1	Scaffold5977	465	GG	AA	1940553811
SNP_P1_265547_747	NW_004519876.1	Scaffold5977	747	GG	CC	1940553813
SNP_P1_265548_841	NW_004519876.1	Scaffold5977	841	CC	TT	1940553815

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265550_1207	NW_004519876.1	Scaffold5977	1207	CC	TT	1940553819
SNP_P1_265551_3269	NW_004519876.1	Scaffold5977	3269	TT	CC	1940553821
SNP_P1_265553_4552	NW_004519876.1	Scaffold5977	4552	CC	TT	1940553824
SNP_P1_265554_4595	NW_004519876.1	Scaffold5977	4595	GG	TT	1940553826
SNP_P1_265556_4663	NW_004519876.1	Scaffold5977	4663	GG	AA	1940553828
SNP_P1_265557_4703	NW_004519876.1	Scaffold5977	4703	GG	TT	1940553830
SNP_P1_265558_4712	NW_004519876.1	Scaffold5977	4712	GG	AA	1940553832
SNP_P1_265559_4717	NW_004519876.1	Scaffold5977	4717	CC	AA	1940553834
SNP_P1_265560_4786	NW_004519876.1	Scaffold5977	4786	GG	AA	1940553836
SNP_P1_265561_4802	NW_004519876.1	Scaffold5977	4802	TT	CC	1940553838
SNP_P1_265562_4825	NW_004519876.1	Scaffold5977	4825	GG	AA	1940553840
SNP_P1_265563_4887	NW_004519876.1	Scaffold5977	4887	AA	GG	1940553842
SNP_P1_265564_5624	NW_004519876.1	Scaffold5977	5624	AA	GG	1940553844
SNP_P1_265565_6801	NW_004519876.1	Scaffold5977	6801	CC	TT	1940553847
SNP_P1_265566_7790	NW_004519876.1	Scaffold5977	7790	GG	AA	1940553849
SNP_P1_265568_13220	NW_004519876.1	Scaffold5977	13220	TT	CC	1940553851
SNP_P1_265569_13297	NW_004519876.1	Scaffold5977	13297	TT	AA	1940553853
SNP_P1_265570_14513	NW_004519876.1	Scaffold5977	14513	AA	CC	1940553855
SNP_P1_265571_14528	NW_004519876.1	Scaffold5977	14528	TT	AA	1940553857
SNP_P1_265572_14562	NW_004519876.1	Scaffold5977	14562	AA	GG	1940553859
SNP_P1_265573_14565	NW_004519876.1	Scaffold5977	14565	AA	CC	1940553861
SNP_P1_265575_14829	NW_004519876.1	Scaffold5977	14829	TT	CC	1940553863
SNP_P1_265576_16959	NW_004519876.1	Scaffold5977	16959	GG	AA	1940553865
SNP_P1_265577_17260	NW_004519876.1	Scaffold5977	17260	GG	AA	1940553868
SNP_P1_265578_364	NW_004519877.1	Scaffold5979	364	CC	AA	1940553870
SNP_P1_265579_569	NW_004519877.1	Scaffold5979	569	TT	CC	1940553872
SNP_P1_265580_604	NW_004519877.1	Scaffold5979	604	AA	GG	1940553874
SNP_P1_265581_618	NW_004519877.1	Scaffold5979	618	TT	CC	1940553876
SNP_P1_265582_622	NW_004519877.1	Scaffold5979	622	TT	GG	1940553878
SNP_P1_265583_751	NW_004519877.1	Scaffold5979	751	AA	GG	1940553880
SNP_P1_265584_117	NW_004519878.1	Scaffold5982	117	AA	GG	1940553882
SNP_P1_265585_913	NW_004519878.1	Scaffold5982	913	GG	CC	1940553884
SNP_P1_265586_1286	NW_004519878.1	Scaffold5982	1286	AA	GG	1940553886
SNP_P1_265587_1287	NW_004519878.1	Scaffold5982	1287	CC	TT	1940553889
SNP_P1_265588_1309	NW_004519878.1	Scaffold5982	1309	GG	TT	1940553891
SNP_P1_265589_1334	NW_004519878.1	Scaffold5982	1334	TT	GG	1940553893
SNP_P1_265590_1338	NW_004519878.1	Scaffold5982	1338	GG	TT	1940553895
SNP_P1_265591_409	NW_004519882.1	Scaffold5988	409	CC	TT	1940553897
SNP_P1_265593_150	NW_004519884.1	Scaffold5992	150	TT	AA	1940553899
SNP_P1_265594_534	NW_004519884.1	Scaffold5992	534	TT	GG	1940553901
SNP_P1_265595_556	NW_004519884.1	Scaffold5992	556	GG	AA	1940553903

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265598_1100	NW_004519884.1	Scaffold5992	1100	CC	AA	1940553907
SNP_P1_265599_1323	NW_004519884.1	Scaffold5992	1323	GG	AA	1940553910
SNP_P1_265600_1516	NW_004519884.1	Scaffold5992	1516	GG	AA	1940553912
SNP_P1_265602_17757	NW_004519885.1	Scaffold5993	17757	TT	CC	1940553914
SNP_P1_265603_17898	NW_004519885.1	Scaffold5993	17898	TT	AA	1940553916
SNP_P1_265604_17912	NW_004519885.1	Scaffold5993	17912	GG	TT	1940553918
SNP_P1_265606_18022	NW_004519885.1	Scaffold5993	18022	TT	CC	1940553920
SNP_P1_265607_18092	NW_004519885.1	Scaffold5993	18092	AA	GG	1940553922
SNP_P1_265608_18120	NW_004519885.1	Scaffold5993	18120	AA	TT	1940553924
SNP_P1_265609_18167	NW_004519885.1	Scaffold5993	18167	AA	TT	1940553926
SNP_P1_265610_18198	NW_004519885.1	Scaffold5993	18198	GG	AA	1940553928
SNP_P1_265611_18286	NW_004519885.1	Scaffold5993	18286	AA	TT	1940553930
SNP_P1_265612_18320	NW_004519885.1	Scaffold5993	18320	CC	TT	1940553933
SNP_P1_265613_18394	NW_004519885.1	Scaffold5993	18394	TT	CC	1940553935
SNP_P1_265614_18534	NW_004519885.1	Scaffold5993	18534	CC	TT	1940553937
SNP_P1_265617_18677	NW_004519885.1	Scaffold5993	18677	GG	AA	1940553939
SNP_P1_265618_18720	NW_004519885.1	Scaffold5993	18720	TT	GG	1940553941
SNP_P1_265619_18830	NW_004519885.1	Scaffold5993	18830	AA	CC	1940553943
SNP_P1_265620_4448	NW_004519886.1	Scaffold5994	4448	GG	AA	1940553945
SNP_P1_265621_4644	NW_004519886.1	Scaffold5994	4644	TT	GG	1940553947
SNP_P1_265622_4876	NW_004519886.1	Scaffold5994	4876	GG	AA	1940553949
SNP_P1_265623_5383	NW_004519886.1	Scaffold5994	5383	CC	GG	1940553951
SNP_P1_265624_7311	NW_004519886.1	Scaffold5994	7311	GG	AA	1940553954
SNP_P1_265625_7315	NW_004519886.1	Scaffold5994	7315	AA	TT	1940553956
SNP_P1_265626_7319	NW_004519886.1	Scaffold5994	7319	CC	TT	1940553958
SNP_P1_265628_7368	NW_004519886.1	Scaffold5994	7368	AA	TT	1940553960
SNP_P1_265629_9126	NW_004519886.1	Scaffold5994	9126	CC	AA	1940553962
SNP_P1_265630_9165	NW_004519886.1	Scaffold5994	9165	TT	CC	1940553964
SNP_P1_265631_745	NW_004519889.1	Scaffold5997	745	CC	AA	1940553966
SNP_P1_265632_1061	NW_004519889.1	Scaffold5997	1061	GG	TT	1940553968
SNP_P1_265633_1118	NW_004519889.1	Scaffold5997	1118	GG	AA	1940553970
SNP_P1_265634_2215	NW_004519889.1	Scaffold5997	2215	AA	TT	1940553972
SNP_P1_265635_2239	NW_004519889.1	Scaffold5997	2239	AA	GG	1940553975
SNP_P1_265636_813	NW_004519891.1	Scaffold5999	813	AA	TT	1940553977
SNP_P1_265637_1137	NW_004519891.1	Scaffold5999	1137	AA	CC	1940553979
SNP_P1_265638_1160	NW_004519891.1	Scaffold5999	1160	GG	TT	1940553981
SNP_P1_265639_1181	NW_004519891.1	Scaffold5999	1181	TT	AA	1940553983
SNP_P1_265641_2356	NW_004519895.1	Scaffold6005	2356	AA	TT	1940553985
SNP_P1_265642_2467	NW_004519895.1	Scaffold6005	2467	AA	CC	1940553987
SNP_P1_265643_3151	NW_004519895.1	Scaffold6005	3151	AA	GG	1940553989
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SNP_P1_265646_3167	NW_004519895.1	Scaffold6005	3167	CC	AA	1940553996
SNP_P1_265647_688	NW_004519901.1	Scaffold6012	688	GG	TT	1940553998
SNP_P1_265648_6122	NW_004519901.1	Scaffold6012	6122	GG	AA	1940554000
SNP_P1_265649_6200	NW_004519901.1	Scaffold6012	6200	GG	AA	1940554002
SNP_P1_265650_6251	NW_004519901.1	Scaffold6012	6251	CC	TT	1940554004
SNP_P1_265651_22115	NW_004519901.1	Scaffold6012	22115	TT	AA	1940554006
SNP_P1_265652_22463	NW_004519901.1	Scaffold6012	22463	TT	AA	1940554008
SNP_P1_265653_306	NW_004519902.1	Scaffold6014	306	CC	TT	1940554010
SNP_P1_265654_948	NW_004519902.1	Scaffold6014	948	TT	CC	1940554012
SNP_P1_265655_1821	NW_004519905.1	Scaffold6017	1821	AA	CC	1940554014
SNP_P1_265656_1876	NW_004519905.1	Scaffold6017	1876	GG	CC	1940554016
SNP_P1_265657_64	NW_004519907.1	Scaffold6020	64	TT	CC	1940554019
SNP_P1_265658_77	NW_004519907.1	Scaffold6020	77	TT	GG	1940554021
SNP_P1_265659_102	NW_004519907.1	Scaffold6020	102	AA	GG	1940554023
SNP_P1_265660_138	NW_004519907.1	Scaffold6020	138	TT	CC	1940554025
SNP_P1_265661_213	NW_004519907.1	Scaffold6020	213	TT	AA	1940554027
SNP_P1_265662_461	NW_004519907.1	Scaffold6020	461	TT	AA	1940554029
SNP_P1_265663_468	NW_004519907.1	Scaffold6020	468	TT	AA	1940554031
SNP_P1_265664_1040	NW_004519907.1	Scaffold6020	1040	TT	CC	1940554033
SNP_P1_265665_1420	NW_004519907.1	Scaffold6020	1420	TT	GG	1940554035
SNP_P1_265666_1444	NW_004519907.1	Scaffold6020	1444	TT	CC	1940554037
SNP_P1_265667_18510	NW_004519909.1	Scaffold6022	18510	CC	TT	1940554040
SNP_P1_265668_18830	NW_004519909.1	Scaffold6022	18830	AA	GG	1940554042
SNP_P1_265669_18860	NW_004519909.1	Scaffold6022	18860	GG	TT	1940554044
SNP_P1_265670_18915	NW_004519909.1	Scaffold6022	18915	CC	AA	1940554046
SNP_P1_265671_18916	NW_004519909.1	Scaffold6022	18916	CC	AA	1940554048
SNP_P1_265672_19040	NW_004519909.1	Scaffold6022	19040	CC	AA	1940554050
SNP_P1_265673_19862	NW_004519909.1	Scaffold6022	19862	GG	AA	1940554052
SNP_P1_265674_19902	NW_004519909.1	Scaffold6022	19902	TT	CC	1940554054
SNP_P1_265675_19930	NW_004519909.1	Scaffold6022	19930	GG	AA	1940554056
SNP_P1_265676_19940	NW_004519909.1	Scaffold6022	19940	TT	CC	1940554058
SNP_P1_265677_19941	NW_004519909.1	Scaffold6022	19941	AA	TT	1940554061
SNP_P1_265678_19955	NW_004519909.1	Scaffold6022	19955	TT	GG	1940554063
SNP_P1_265679_19988	NW_004519909.1	Scaffold6022	19988	AA	GG	1940554065
SNP_P1_265680_19998	NW_004519909.1	Scaffold6022	19998	TT	CC	1940554067
SNP_P1_265681_20018	NW_004519909.1	Scaffold6022	20018	GG	CC	1940554069
SNP_P1_265682_20022	NW_004519909.1	Scaffold6022	20022	GG	TT	1940554071
SNP_P1_265683_20025	NW_004519909.1	Scaffold6022	20025	TT	AA	1940554073
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SNP_P1_265685_20059	NW_004519909.1	Scaffold6022	20059	TT	CC	1940554077
SNP_P1_265686_20067	NW_004519909.1	Scaffold6022	20067	GG	AA	1940554079

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SNP_P1_265688_20081	NW_004519909.1	Scaffold6022	20081	TT	AA	1940554084
SNP_P1_265689_21456	NW_004519909.1	Scaffold6022	21456	GG	AA	1940554086
SNP_P1_265690_21465	NW_004519909.1	Scaffold6022	21465	TT	CC	1940554088
SNP_P1_265691_21472	NW_004519909.1	Scaffold6022	21472	TT	AA	1940554090
SNP_P1_265692_21474	NW_004519909.1	Scaffold6022	21474	GG	CC	1940554092
SNP_P1_265693_21527	NW_004519909.1	Scaffold6022	21527	TT	GG	1940554094
SNP_P1_265694_22293	NW_004519909.1	Scaffold6022	22293	TT	CC	1940554096
SNP_P1_265695_67	NW_004519912.1	Scaffold6027	67	AA	GG	1940554098
SNP_P1_265697_2173	NW_004519915.1	Scaffold6034	2173	GG	TT	1940554100
SNP_P1_265698_3534	NW_004519927.1	Scaffold6055	3534	CC	AA	1940554103
SNP_P1_265699_3878	NW_004519927.1	Scaffold6055	3878	AA	TT	1940554105
SNP_P1_265700_6419	NW_004519927.1	Scaffold6055	6419	CC	AA	1940554107
SNP_P1_265701_6430	NW_004519927.1	Scaffold6055	6430	CC	AA	1940554109
SNP_P1_265702_6806	NW_004519927.1	Scaffold6055	6806	GG	AA	1940554111
SNP_P1_265703_8555	NW_004519927.1	Scaffold6055	8555	TT	AA	1940554113
SNP_P1_265704_8605	NW_004519927.1	Scaffold6055	8605	AA	CC	1940554115
SNP_P1_265705_8642	NW_004519927.1	Scaffold6055	8642	GG	CC	1940554117
SNP_P1_265706_8845	NW_004519927.1	Scaffold6055	8845	GG	TT	1940554119
SNP_P1_265707_63	NW_004519929.1	Scaffold6058	63	AA	GG	1940554121
SNP_P1_265708_105	NW_004519929.1	Scaffold6058	105	CC	AA	1940554123
SNP_P1_265709_428	NW_004519929.1	Scaffold6058	428	TT	AA	1940554126
SNP_P1_265710_451	NW_004519929.1	Scaffold6058	451	GG	TT	1940554128
SNP_P1_265711_10922	NW_004519929.1	Scaffold6058	10922	CC	GG	1940554130
SNP_P1_265712_519	NW_004519932.1	Scaffold6063	519	CC	GG	1940554132
SNP_P1_265713_637	NW_004519932.1	Scaffold6063	637	AA	TT	1940554134
SNP_P1_265714_704	NW_004519932.1	Scaffold6063	704	TT	CC	1940554136
SNP_P1_265715_1334	NW_004519933.1	Scaffold6064	1334	GG	AA	1940554138
SNP_P1_265716_1665	NW_004519933.1	Scaffold6064	1665	GG	TT	1940554140
SNP_P1_265717_2085	NW_004519933.1	Scaffold6064	2085	GG	CC	1940554142
SNP_P1_265718_2419	NW_004519935.1	Scaffold6066	2419	CC	TT	1940554144
SNP_P1_265719_2697	NW_004519935.1	Scaffold6066	2697	GG	AA	1940554147
SNP_P1_265720_2749	NW_004519935.1	Scaffold6066	2749	GG	AA	1940554149
SNP_P1_265721_2775	NW_004519935.1	Scaffold6066	2775	TT	GG	1940554151
SNP_P1_265722_2777	NW_004519935.1	Scaffold6066	2777	AA	GG	1940554153
SNP_P1_265724_2866	NW_004519935.1	Scaffold6066	2866	CC	TT	1940554155
SNP_P1_265725_2986	NW_004519935.1	Scaffold6066	2986	TT	AA	1940554157
SNP_P1_265726_2995	NW_004519935.1	Scaffold6066	2995	TT	AA	1940554159
SNP_P1_265727_2999	NW_004519935.1	Scaffold6066	2999	GG	AA	1940554161
SNP_P1_265728_133	NW_004519939.1	Scaffold6071	133	CC	TT	1940554163
SNP_P1_265729_488	NW_004519939.1	Scaffold6071	488	CC	TT	1940554165
SNP_P1_265730_521	NW_004519939.1	Scaffold6071	521	TT	CC	1940554168

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SNP_P1_265732_922	NW_004519940.1	Scaffold6072	922	TT	AA	1940554172
SNP_P1_265733_1653	NW_004519942.1	Scaffold6075	1653	CC	TT	1940554174
SNP_P1_265734_1659	NW_004519942.1	Scaffold6075	1659	CC	AA	1940554176
SNP_P1_265735_1660	NW_004519942.1	Scaffold6075	1660	GG	TT	1940554178
SNP_P1_265736_1678	NW_004519942.1	Scaffold6075	1678	CC	TT	1940554180
SNP_P1_265737_1682	NW_004519942.1	Scaffold6075	1682	TT	CC	1940554182
SNP_P1_265738_1694	NW_004519942.1	Scaffold6075	1694	TT	CC	1940554184
SNP_P1_265739_1744	NW_004519942.1	Scaffold6075	1744	GG	TT	1940554186
SNP_P1_265740_1752	NW_004519942.1	Scaffold6075	1752	GG	TT	1940554188
SNP_P1_265741_1956	NW_004519942.1	Scaffold6075	1956	AA	CC	1940554191
SNP_P1_265742_1997	NW_004519942.1	Scaffold6075	1997	TT	CC	1940554193
SNP_P1_265743_2012	NW_004519942.1	Scaffold6075	2012	TT	CC	1940554195
SNP_P1_265744_927	NW_004519943.1	Scaffold6077	927	AA	TT	1940554197
SNP_P1_265745_935	NW_004519943.1	Scaffold6077	935	AA	GG	1940554199
SNP_P1_265746_1267	NW_004519943.1	Scaffold6077	1267	AA	TT	1940554201
SNP_P1_265748_1658	NW_004519943.1	Scaffold6077	1658	AA	GG	1940554203
SNP_P1_265749_195	NW_004519948.1	Scaffold6085	195	TT	CC	1940554205
SNP_P1_265750_5791	NW_004519951.1	Scaffold6091	5791	GG	TT	1940554207
SNP_P1_265751_6048	NW_004519951.1	Scaffold6091	6048	TT	AA	1940554209
SNP_P1_265752_16364	NW_004519951.1	Scaffold6091	16364	CC	AA	1940554211
SNP_P1_265754_16418	NW_004519951.1	Scaffold6091	16418	AA	TT	1940554214
SNP_P1_265755_16433	NW_004519951.1	Scaffold6091	16433	GG	TT	1940554216
SNP_P1_265756_70	NW_004519952.1	Scaffold6092	70	TT	CC	1940554218
SNP_P1_265757_71	NW_004519952.1	Scaffold6092	71	CC	TT	1940554220
SNP_P1_265758_97	NW_004519952.1	Scaffold6092	97	GG	AA	1940554222
SNP_P1_265759_105	NW_004519952.1	Scaffold6092	105	CC	AA	1940554224
SNP_P1_265760_123	NW_004519952.1	Scaffold6092	123	GG	AA	1940554226
SNP_P1_265761_133	NW_004519952.1	Scaffold6092	133	GG	AA	1940554228
SNP_P1_265762_160	NW_004519952.1	Scaffold6092	160	CC	TT	1940554230
SNP_P1_265763_265	NW_004519952.1	Scaffold6092	265	AA	CC	1940554232
SNP_P1_265764_351	NW_004519952.1	Scaffold6092	351	GG	AA	1940554235
SNP_P1_265765_363	NW_004519952.1	Scaffold6092	363	AA	GG	1940554237
SNP_P1_265766_372	NW_004519952.1	Scaffold6092	372	TT	CC	1940554239
SNP_P1_265767_407	NW_004519952.1	Scaffold6092	407	AA	GG	1940554241
SNP_P1_265768_460	NW_004519952.1	Scaffold6092	460	AA	GG	1940554243
SNP_P1_265769_700	NW_004519952.1	Scaffold6092	700	GG	TT	1940554245
SNP_P1_265770_710	NW_004519952.1	Scaffold6092	710	AA	GG	1940554247
SNP_P1_265772_1184	NW_004519952.1	Scaffold6092	1184	AA	GG	1940554249
SNP_P1_265773_890	NW_004519954.1	Scaffold6095	890	AA	CC	1940554251
SNP_P1_265774_903	NW_004519954.1	Scaffold6095	903	AA	CC	1940554253
SNP_P1_265776_2738	NW_004519954.1	Scaffold6095	2738	TT	GG	1940554256

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SNP_P1_265778_1117	NW_004519955.1	Scaffold6096	1117	TT	GG	1940554260
SNP_P1_265779_643	NW_004519956.1	Scaffold6097	643	GG	CC	1940554262
SNP_P1_265780_899	NW_004519965.1	Scaffold6113	899	GG	AA	1940554264
SNP_P1_265781_1135	NW_004519965.1	Scaffold6113	1135	CC	TT	1940554266
SNP_P1_265782_1154	NW_004519965.1	Scaffold6113	1154	TT	AA	1940554268
SNP_P1_265783_1379	NW_004519965.1	Scaffold6113	1379	TT	CC	1940554270
SNP_P1_265784_1428	NW_004519965.1	Scaffold6113	1428	CC	TT	1940554272
SNP_P1_265786_1749	NW_004519965.1	Scaffold6113	1749	TT	AA	1940554274
SNP_P1_265787_1750	NW_004519965.1	Scaffold6113	1750	AA	CC	1940554276
SNP_P1_265788_1776	NW_004519965.1	Scaffold6113	1776	TT	AA	1940554279
SNP_P1_265789_781	NW_004519968.1	Scaffold6116	781	GG	CC	1940554281
SNP_P1_265790_5344	NW_004519969.1	Scaffold6117	5344	AA	TT	1940554283
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SNP_P1_265795_5695	NW_004519969.1	Scaffold6117	5695	TT	CC	1940554293
SNP_P1_265796_5720	NW_004519969.1	Scaffold6117	5720	TT	AA	1940554295
SNP_P1_265797_1808	NW_004519970.1	Scaffold6120	1808	AA	GG	1940554297
SNP_P1_265798_2013	NW_004519970.1	Scaffold6120	2013	CC	TT	1940554300
SNP_P1_265800_2114	NW_004519970.1	Scaffold6120	2114	TT	AA	1940554302
SNP_P1_265801_2322	NW_004519970.1	Scaffold6120	2322	AA	TT	1940554304
SNP_P1_265802_2549	NW_004519970.1	Scaffold6120	2549	TT	GG	1940554306
SNP_P1_265804_3342	NW_004519970.1	Scaffold6120	3342	AA	GG	1940554308
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SNP_P1_265812_4094	NW_004519970.1	Scaffold6120	4094	GG	CC	1940554321
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SNP_P1_265820_439	NW_004519975.1	Scaffold6125	439	GG	AA	1940554335
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SNP_P1_265822_1034	NW_004519975.1	Scaffold6125	1034	AA	TT	1940554339
SNP_P1_265823_1106	NW_004519975.1	Scaffold6125	1106	CC	TT	1940554341
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265828_1563	NW_004519975.1	Scaffold6125	1563	CC	AA	1940554350
SNP_P1_265829_1568	NW_004519975.1	Scaffold6125	1568	AA	GG	1940554352
SNP_P1_265830_1620	NW_004519975.1	Scaffold6125	1620	TT	GG	1940554354
SNP_P1_265831_1647	NW_004519975.1	Scaffold6125	1647	TT	CC	1940554356
SNP_P1_265832_1724	NW_004519975.1	Scaffold6125	1724	CC	TT	1940554358
SNP_P1_265833_2623	NW_004519975.1	Scaffold6125	2623	TT	CC	1940554360
SNP_P1_265834_2891	NW_004519975.1	Scaffold6125	2891	CC	TT	1940554362
SNP_P1_265835_2921	NW_004519975.1	Scaffold6125	2921	CC	TT	1940554364
SNP_P1_265836_2937	NW_004519975.1	Scaffold6125	2937	AA	GG	1940554366
SNP_P1_265837_797	NW_004519976.1	Scaffold6126	797	CC	TT	1940554368
SNP_P1_265838_23027	NW_004519977.1	Scaffold6127	23027	TT	GG	1940554371
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SNP_P1_265840_91	NW_004519978.1	Scaffold6128	91	CC	GG	1940554375
SNP_P1_265841_134	NW_004519978.1	Scaffold6128	134	AA	GG	1940554377
SNP_P1_265842_460	NW_004519978.1	Scaffold6128	460	AA	TT	1940554379
SNP_P1_265844_64	NW_004519980.1	Scaffold6131	64	GG	AA	1940554381
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SNP_P1_265846_821	NW_004519980.1	Scaffold6131	821	AA	GG	1940554385
SNP_P1_265847_5453	NW_004519980.1	Scaffold6131	5453	TT	GG	1940554387
SNP_P1_265848_5470	NW_004519980.1	Scaffold6131	5470	CC	AA	1940554389
SNP_P1_265849_5806	NW_004519980.1	Scaffold6131	5806	AA	GG	1940554392
SNP_P1_265850_8780	NW_004519980.1	Scaffold6131	8780	AA	CC	1940554394
SNP_P1_265851_9553	NW_004519980.1	Scaffold6131	9553	TT	AA	1940554396
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SNP_P1_265854_1360	NW_004519981.1	Scaffold6133	1360	AA	CC	1940554402
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SNP_P1_265865_3616	NW_004519985.1	Scaffold6137	3616	CC	TT	1940554423
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SNP_P1_265867_3690	NW_004519985.1	Scaffold6137	3690	TT	GG	1940554427
SNP_P1_265868_3823	NW_004519985.1	Scaffold6137	3823	TT	CC	1940554429
SNP_P1_265869_629	NW_004519989.1	Scaffold6149	629	GG	TT	1940554431

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265871_736	NW_004519989.1	Scaffold6149	736	GG	AA	1940554435
SNP_P1_265872_816	NW_004519989.1	Scaffold6149	816	AA	CC	1940554437
SNP_P1_265873_19245	NW_004519992.1	Scaffold6153	19245	GG	AA	1940554439
SNP_P1_265874_19246	NW_004519992.1	Scaffold6153	19246	TT	GG	1940554441
SNP_P1_265875_19273	NW_004519992.1	Scaffold6153	19273	TT	AA	1940554444
SNP_P1_265876_20381	NW_004519992.1	Scaffold6153	20381	CC	AA	1940554446
SNP_P1_265878_20425	NW_004519992.1	Scaffold6153	20425	TT	AA	1940554448
SNP_P1_265879_107	NW_004519993.1	Scaffold6154	107	TT	CC	1940554450
SNP_P1_265880_153	NW_004519993.1	Scaffold6154	153	AA	GG	1940554452
SNP_P1_265881_225	NW_004519993.1	Scaffold6154	225	CC	AA	1940554454
SNP_P1_265882_295	NW_004519993.1	Scaffold6154	295	CC	TT	1940554456
SNP_P1_265883_426	NW_004519993.1	Scaffold6154	426	GG	AA	1940554458
SNP_P1_265884_436	NW_004519993.1	Scaffold6154	436	TT	CC	1940554460
SNP_P1_265885_490	NW_004519993.1	Scaffold6154	490	CC	AA	1940554462
SNP_P1_265886_507	NW_004519993.1	Scaffold6154	507	GG	TT	1940554465
SNP_P1_265887_510	NW_004519993.1	Scaffold6154	510	GG	AA	1940554467
SNP_P1_265889_563	NW_004519993.1	Scaffold6154	563	CC	AA	1940554469
SNP_P1_265890_565	NW_004519993.1	Scaffold6154	565	GG	AA	1940554471
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SNP_P1_265892_680	NW_004519993.1	Scaffold6154	680	AA	TT	1940554475
SNP_P1_265893_682	NW_004519993.1	Scaffold6154	682	TT	CC	1940554477
SNP_P1_265894_745	NW_004519993.1	Scaffold6154	745	GG	TT	1940554479
SNP_P1_265895_168	NW_004519994.1	Scaffold6155	168	CC	TT	1940554481
SNP_P1_265896_183	NW_004519994.1	Scaffold6155	183	GG	TT	1940554483
SNP_P1_265897_187	NW_004519994.1	Scaffold6155	187	TT	AA	1940554485
SNP_P1_265898_202	NW_004519994.1	Scaffold6155	202	GG	CC	1940554488
SNP_P1_265899_204	NW_004519994.1	Scaffold6155	204	CC	GG	1940554490
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SNP_P1_265903_1714	NW_004519995.1	Scaffold6157	1714	GG	TT	1940554496
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SNP_P1_265906_1878	NW_004519995.1	Scaffold6157	1878	AA	TT	1940554502
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SNP_P1_265915_1300	NW_004519996.1	Scaffold6158	1300	AA	TT	1940554517
SNP_P1_265916_1506	NW_004519996.1	Scaffold6158	1506	TT	AA	1940554519

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_265918_1861	NW_004519996.1	Scaffold6158	1861	GG	AA	1940554523
SNP_P1_265919_1879	NW_004519996.1	Scaffold6158	1879	AA	GG	1940554525
SNP_P1_265920_1947	NW_004519996.1	Scaffold6158	1947	GG	CC	1940554527
SNP_P1_265921_2297	NW_004519996.1	Scaffold6158	2297	CC	GG	1940554530
SNP_P1_265922_557	NW_004519997.1	Scaffold6160	557	GG	CC	1940554532
SNP_P1_265923_553	NW_004520003.1	Scaffold6169	553	TT	CC	1940554534
SNP_P1_265924_598	NW_004520003.1	Scaffold6169	598	GG	TT	1940554536
SNP_P1_265925_830	NW_004520003.1	Scaffold6169	830	TT	AA	1940554538
SNP_P1_265926_931	NW_004520003.1	Scaffold6169	931	TT	GG	1940554540
SNP_P1_265927_1051	NW_004520003.1	Scaffold6169	1051	CC	TT	1940554542
SNP_P1_265928_1053	NW_004520003.1	Scaffold6169	1053	GG	AA	1940554544
SNP_P1_265929_1204	NW_004520003.1	Scaffold6169	1204	CC	TT	1940554546
SNP_P1_265930_1666	NW_004520003.1	Scaffold6169	1666	AA	CC	1940554548
SNP_P1_265931_962	NW_004520005.1	Scaffold6171	962	TT	CC	1940554550
SNP_P1_265932_18956	NW_004520006.1	Scaffold6172	18956	TT	AA	1940554553
SNP_P1_265933_19022	NW_004520006.1	Scaffold6172	19022	TT	AA	1940554555
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SNP_P1_265936_19128	NW_004520006.1	Scaffold6172	19128	TT	AA	1940554561
SNP_P1_265937_19469	NW_004520006.1	Scaffold6172	19469	GG	TT	1940554563
SNP_P1_265938_19480	NW_004520006.1	Scaffold6172	19480	TT	GG	1940554565
SNP_P1_265939_19808	NW_004520006.1	Scaffold6172	19808	TT	AA	1940554567
SNP_P1_265940_19934	NW_004520006.1	Scaffold6172	19934	AA	CC	1940554569
SNP_P1_265941_20145	NW_004520006.1	Scaffold6172	20145	CC	TT	1940554571
SNP_P1_265942_20234	NW_004520006.1	Scaffold6172	20234	AA	GG	1940554574
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SNP_P1_265944_20898	NW_004520006.1	Scaffold6172	20898	CC	AA	1940554578
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SNP_P1_265952_30113	NW_004520006.1	Scaffold6172	30113	AA	CC	1940554595
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SNP_P1_265958_37206	NW_004520006.1	Scaffold6172	37206	GG	TT	1940554605
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SNP_P1_265965_37357	NW_004520006.1	Scaffold6172	37357	CC	AA	1940554620
SNP_P1_265966_37394	NW_004520006.1	Scaffold6172	37394	TT	CC	1940554622
SNP_P1_265967_37395	NW_004520006.1	Scaffold6172	37395	TT	AA	1940554624
SNP_P1_265968_37415	NW_004520006.1	Scaffold6172	37415	CC	AA	1940554626
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SNP_P1_265971_38059	NW_004520006.1	Scaffold6172	38059	AA	CC	1940554632
SNP_P1_265972_39066	NW_004520006.1	Scaffold6172	39066	TT	GG	1940554634
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SNP_P1_265976_487	NW_004520007.1	Scaffold6173	487	CC	GG	1940554643
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SNP_P1_265983_982	NW_004520008.1	Scaffold6174	982	AA	TT	1940554658
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SNP_P1_265995_5328	NW_004520011.1	Scaffold6177	5328	TT	CC	1940554681
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SNP_P1_265999_553	NW_004520012.1	Scaffold6178	553	AA	CC	1940554689
SNP_P1_266000_575	NW_004520012.1	Scaffold6178	575	CC	TT	1940554691
SNP_P1_266001_912	NW_004520013.1	Scaffold6179	912	GG	CC	1940554693
SNP_P1_266003_1045	NW_004520015.1	Scaffold6181	1045	CC	TT	1940554695

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266005_1613	NW_004520017.1	Scaffold6184	1613	TT	GG	1940554700
SNP_P1_266006_77	NW_004520018.1	Scaffold6185	77	TT	GG	1940554702
SNP_P1_266007_123	NW_004520018.1	Scaffold6185	123	AA	TT	1940554704
SNP_P1_266008_168	NW_004520018.1	Scaffold6185	168	AA	CC	1940554706
SNP_P1_266010_367	NW_004520018.1	Scaffold6185	367	CC	TT	1940554708
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SNP_P1_266016_617	NW_004520018.1	Scaffold6185	617	GG	AA	1940554718
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SNP_P1_266020_846	NW_004520018.1	Scaffold6185	846	CC	TT	1940554727
SNP_P1_266021_856	NW_004520018.1	Scaffold6185	856	CC	AA	1940554729
SNP_P1_266022_866	NW_004520018.1	Scaffold6185	866	CC	TT	1940554731
SNP_P1_266023_959	NW_004520018.1	Scaffold6185	959	GG	AA	1940554733
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SNP_P1_266027_1045	NW_004520018.1	Scaffold6185	1045	TT	GG	1940554741
SNP_P1_266028_1048	NW_004520018.1	Scaffold6185	1048	CC	TT	1940554744
SNP_P1_266029_1055	NW_004520018.1	Scaffold6185	1055	CC	TT	1940554746
SNP_P1_266030_1100	NW_004520018.1	Scaffold6185	1100	GG	AA	1940554748
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SNP_P1_266033_1194	NW_004520018.1	Scaffold6185	1194	TT	AA	1940554754
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SNP_P1_266035_1438	NW_004520018.1	Scaffold6185	1438	GG	CC	1940554758
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SNP_P1_266047_3108	NW_004520018.1	Scaffold6185	3108	CC	AA	1940554779
SNP_P1_266048_3139	NW_004520018.1	Scaffold6185	3139	GG	AA	1940554781
SNP_P1_266049_3419	NW_004520018.1	Scaffold6185	3419	TT	AA	1940554783

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266053_498	NW_004520019.1	Scaffold6187	498	AA	TT	1940554790
SNP_P1_266054_531	NW_004520019.1	Scaffold6187	531	TT	CC	1940554792
SNP_P1_266055_623	NW_004520019.1	Scaffold6187	623	AA	CC	1940554794
SNP_P1_266056_666	NW_004520019.1	Scaffold6187	666	CC	GG	1940554796
SNP_P1_266057_728	NW_004520019.1	Scaffold6187	728	GG	AA	1940554798
SNP_P1_266058_889	NW_004520019.1	Scaffold6187	889	AA	GG	1940554800
SNP_P1_266059_1025	NW_004520019.1	Scaffold6187	1025	TT	GG	1940554802
SNP_P1_266060_582	NW_004520020.1	Scaffold6188	582	GG	AA	1940554804
SNP_P1_266061_585	NW_004520020.1	Scaffold6188	585	GG	TT	1940554806
SNP_P1_266062_588	NW_004520020.1	Scaffold6188	588	TT	CC	1940554809
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SNP_P1_266064_1446	NW_004520020.1	Scaffold6188	1446	CC	TT	1940554813
SNP_P1_266065_1479	NW_004520020.1	Scaffold6188	1479	TT	GG	1940554815
SNP_P1_266066_1865	NW_004520021.1	Scaffold6189	1865	GG	AA	1940554817
SNP_P1_266067_95	NW_004520022.1	Scaffold6190	95	CC	AA	1940554819
SNP_P1_266068_148	NW_004520022.1	Scaffold6190	148	TT	GG	1940554821
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SNP_P1_266070_401	NW_004520022.1	Scaffold6190	401	GG	AA	1940554825
SNP_P1_266071_447	NW_004520024.1	Scaffold6193	447	TT	GG	1940554827
SNP_P1_266072_1290	NW_004520024.1	Scaffold6193	1290	AA	CC	1940554830
SNP_P1_266073_1435	NW_004520024.1	Scaffold6193	1435	TT	AA	1940554832
SNP_P1_266074_659	NW_004520025.1	Scaffold6194	659	AA	TT	1940554834
SNP_P1_266075_696	NW_004520025.1	Scaffold6194	696	AA	GG	1940554836
SNP_P1_266076_697	NW_004520025.1	Scaffold6194	697	AA	CC	1940554838
SNP_P1_266077_929	NW_004520026.1	Scaffold6195	929	CC	TT	1940554840
SNP_P1_266078_411	NW_004520030.1	Scaffold6199	411	GG	AA	1940554842
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SNP_P1_266081_561	NW_004520030.1	Scaffold6199	561	TT	AA	1940554846
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SNP_P1_266089_5026	NW_004520038.1	Scaffold6212	5026	AA	CC	1940554861
SNP_P1_266090_5624	NW_004520039.1	Scaffold6214	5624	CC	GG	1940554863
SNP_P1_266091_451	NW_004520040.1	Scaffold6215	451	AA	GG	1940554865
SNP_P1_266092_244	NW_004520045.1	Scaffold6225	244	AA	TT	1940554867
SNP_P1_266093_718	NW_004520045.1	Scaffold6225	718	CC	AA	1940554869
SNP_P1_266094_722	NW_004520045.1	Scaffold6225	722	CC	GG	1940554871

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266096_731	NW_004520045.1	Scaffold6225	731	AA	TT	1940554876
SNP_P1_266098_996	NW_004520046.1	Scaffold6227	996	AA	CC	1940554878
SNP_P1_266100_1084	NW_004520048.1	Scaffold6229	1084	CC	AA	1940554880
SNP_P1_266102_97	NW_004520050.1	Scaffold6232	97	CC	TT	1940554882
SNP_P1_266103_129	NW_004520050.1	Scaffold6232	129	CC	TT	1940554884
SNP_P1_266104_141	NW_004520050.1	Scaffold6232	141	TT	CC	1940554886
SNP_P1_266105_369	NW_004520050.1	Scaffold6232	369	AA	TT	1940554888
SNP_P1_266106_372	NW_004520050.1	Scaffold6232	372	TT	CC	1940554890
SNP_P1_266107_1488	NW_004520055.1	Scaffold6238	1488	AA	GG	1940554892
SNP_P1_266108_1734	NW_004520055.1	Scaffold6238	1734	AA	GG	1940554894
SNP_P1_266109_1749	NW_004520055.1	Scaffold6238	1749	GG	AA	1940554897
SNP_P1_266110_4609	NW_004520059.1	Scaffold6255	4609	GG	TT	1940554899
SNP_P1_266111_64	NW_004520060.1	Scaffold6256	64	TT	CC	1940554901
SNP_P1_266112_76	NW_004520060.1	Scaffold6256	76	AA	CC	1940554903
SNP_P1_266113_110	NW_004520060.1	Scaffold6256	110	AA	GG	1940554905
SNP_P1_266114_131	NW_004520060.1	Scaffold6256	131	AA	CC	1940554907
SNP_P1_266115_196	NW_004520060.1	Scaffold6256	196	GG	CC	1940554909
SNP_P1_266116_239	NW_004520060.1	Scaffold6256	239	AA	GG	1940554911
SNP_P1_266117_405	NW_004520063.1	Scaffold6262	405	AA	GG	1940554913
SNP_P1_266118_806	NW_004520069.1	Scaffold6273	806	GG	AA	1940554915
SNP_P1_266119_4848	NW_004520069.1	Scaffold6273	4848	AA	GG	1940554918
SNP_P1_266120_3307	NW_004520072.1	Scaffold6276	3307	TT	CC	1940554920
SNP_P1_266121_684	NW_004520078.1	Scaffold6288	684	TT	GG	1940554922
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SNP_P1_266125_1054	NW_004520078.1	Scaffold6288	1054	TT	GG	1940554930
SNP_P1_266126_97	NW_004520087.1	Scaffold6300	97	TT	AA	1940554932
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SNP_P1_266128_777	NW_004520087.1	Scaffold6300	777	AA	CC	1940554936
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SNP_P1_266133_1240	NW_004520087.1	Scaffold6300	1240	TT	CC	1940554947
SNP_P1_266134_1244	NW_004520087.1	Scaffold6300	1244	CC	AA	1940554949
SNP_P1_266135_1246	NW_004520087.1	Scaffold6300	1246	TT	AA	1940554951
SNP_P1_266136_1289	NW_004520087.1	Scaffold6300	1289	TT	AA	1940554953
SNP_P1_266137_1550	NW_004520087.1	Scaffold6300	1550	TT	CC	1940554955
SNP_P1_266138_1679	NW_004520087.1	Scaffold6300	1679	TT	CC	1940554957
SNP_P1_266139_1884	NW_004520087.1	Scaffold6300	1884	CC	TT	1940554959

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266143_2530	NW_004520087.1	Scaffold6300	2530	GG	CC	1940554966
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SNP_P1_266145_3051	NW_004520087.1	Scaffold6300	3051	AA	TT	1940554970
SNP_P1_266146_3270	NW_004520087.1	Scaffold6300	3270	AA	TT	1940554972
SNP_P1_266147_3309	NW_004520087.1	Scaffold6300	3309	TT	AA	1940554974
SNP_P1_266148_3341	NW_004520087.1	Scaffold6300	3341	AA	TT	1940554976
SNP_P1_266149_3343	NW_004520087.1	Scaffold6300	3343	GG	TT	1940554978
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SNP_P1_266151_3429	NW_004520087.1	Scaffold6300	3429	GG	CC	1940554983
SNP_P1_266152_3500	NW_004520087.1	Scaffold6300	3500	AA	GG	1940554985
SNP_P1_266153_4412	NW_004520087.1	Scaffold6300	4412	AA	CC	1940554987
SNP_P1_266154_4958	NW_004520087.1	Scaffold6300	4958	GG	TT	1940554989
SNP_P1_266155_4966	NW_004520087.1	Scaffold6300	4966	AA	TT	1940554991
SNP_P1_266156_4984	NW_004520087.1	Scaffold6300	4984	CC	AA	1940554993
SNP_P1_266157_5338	NW_004520087.1	Scaffold6300	5338	GG	CC	1940554995
SNP_P1_266158_5468	NW_004520087.1	Scaffold6300	5468	CC	GG	1940554997
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SNP_P1_266160_11044	NW_004520087.1	Scaffold6300	11044	TT	GG	1940555001
SNP_P1_266161_11240	NW_004520087.1	Scaffold6300	11240	GG	CC	1940555004
SNP_P1_266162_11251	NW_004520087.1	Scaffold6300	11251	TT	CC	1940555006
SNP_P1_266163_11266	NW_004520087.1	Scaffold6300	11266	GG	AA	1940555008
SNP_P1_266164_11334	NW_004520087.1	Scaffold6300	11334	AA	GG	1940555010
SNP_P1_266165_303	NW_004520088.1	Scaffold6301	303	CC	GG	1940555012
SNP_P1_266166_316	NW_004520088.1	Scaffold6301	316	AA	CC	1940555014
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SNP_P1_266170_515	NW_004520091.1	Scaffold6304	515	AA	GG	1940555022
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SNP_P1_266175_1001	NW_004520096.1	Scaffold6314	1001	GG	TT	1940555031
SNP_P1_266176_1012	NW_004520096.1	Scaffold6314	1012	TT	AA	1940555033
SNP_P1_266177_1016	NW_004520096.1	Scaffold6314	1016	AA	GG	1940555035
SNP_P1_266178_1179	NW_004520096.1	Scaffold6314	1179	TT	GG	1940555037
SNP_P1_266179_1522	NW_004520096.1	Scaffold6314	1522	TT	CC	1940555039
SNP_P1_266180_661	NW_004520097.1	Scaffold6317	661	CC	TT	1940555041
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SNP_P1_266182_734	NW_004520097.1	Scaffold6317	734	AA	TT	1940555046
SNP_P1_266184_16670	NW_004520098.1	Scaffold6318	16670	CC	TT	1940555048

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266187_17190	NW_004520098.1	Scaffold6318	17190	CC	AA	1940555054
SNP_P1_266188_17409	NW_004520098.1	Scaffold6318	17409	GG	AA	1940555056
SNP_P1_266189_17883	NW_004520098.1	Scaffold6318	17883	TT	GG	1940555058
SNP_P1_266190_17888	NW_004520098.1	Scaffold6318	17888	GG	AA	1940555060
SNP_P1_266191_791	NW_004520099.1	Scaffold6321	791	AA	CC	1940555062
SNP_P1_266192_704	NW_004520100.1	Scaffold6322	704	AA	TT	1940555064
SNP_P1_266193_880	NW_004520100.1	Scaffold6322	880	TT	GG	1940555067
SNP_P1_266194_1017	NW_004520100.1	Scaffold6322	1017	GG	CC	1940555069
SNP_P1_266195_1674	NW_004520100.1	Scaffold6322	1674	CC	AA	1940555071
SNP_P1_266196_4159	NW_004520100.1	Scaffold6322	4159	AA	TT	1940555073
SNP_P1_266197_4373	NW_004520100.1	Scaffold6322	4373	CC	AA	1940555075
SNP_P1_266198_4374	NW_004520100.1	Scaffold6322	4374	TT	CC	1940555077
SNP_P1_266199_4426	NW_004520100.1	Scaffold6322	4426	AA	GG	1940555079
SNP_P1_266200_4483	NW_004520100.1	Scaffold6322	4483	AA	GG	1940555081
SNP_P1_266201_4485	NW_004520100.1	Scaffold6322	4485	TT	AA	1940555083
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SNP_P1_266207_891	NW_004520101.1	Scaffold6324	891	GG	AA	1940555096
SNP_P1_266208_240	NW_004520104.1	Scaffold6327	240	AA	CC	1940555098
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SNP_P1_266210_245	NW_004520104.1	Scaffold6327	245	AA	TT	1940555102
SNP_P1_266211_246	NW_004520104.1	Scaffold6327	246	AA	TT	1940555104
SNP_P1_266212_247	NW_004520104.1	Scaffold6327	247	TT	GG	1940555106
SNP_P1_266213_439	NW_004520108.1	Scaffold6332	439	CC	TT	1940555108
SNP_P1_266214_1936	NW_004520108.1	Scaffold6332	1936	AA	GG	1940555111
SNP_P1_266215_750	NW_004520111.1	Scaffold6335	750	TT	AA	1940555113
SNP_P1_266216_765	NW_004520111.1	Scaffold6335	765	TT	CC	1940555115
SNP_P1_266217_803	NW_004520111.1	Scaffold6335	803	AA	GG	1940555117
SNP_P1_266218_819	NW_004520111.1	Scaffold6335	819	AA	CC	1940555119
SNP_P1_266219_848	NW_004520111.1	Scaffold6335	848	AA	CC	1940555121
SNP_P1_266220_871	NW_004520111.1	Scaffold6335	871	GG	TT	1940555123
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SNP_P1_266222_889	NW_004520111.1	Scaffold6335	889	AA	GG	1940555127
SNP_P1_266223_915	NW_004520111.1	Scaffold6335	915	AA	CC	1940555129
SNP_P1_266224_919	NW_004520111.1	Scaffold6335	919	TT	CC	1940555132
SNP_P1_266225_983	NW_004520111.1	Scaffold6335	983	GG	AA	1940555134
SNP_P1_266226_989	NW_004520111.1	Scaffold6335	989	AA	GG	1940555136

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SNP_P1_266228_991	NW_004520111.1	Scaffold6335	991	TT	GG	1940555140
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SNP_P1_266230_349	NW_004520113.1	Scaffold6339	349	TT	AA	1940555144
SNP_P1_266231_2189	NW_004520114.1	Scaffold6343	2189	AA	CC	1940555146
SNP_P1_266232_2316	NW_004520114.1	Scaffold6343	2316	AA	CC	1940555148
SNP_P1_266233_2421	NW_004520114.1	Scaffold6343	2421	CC	TT	1940555150
SNP_P1_266234_2467	NW_004520114.1	Scaffold6343	2467	GG	TT	1940555152
SNP_P1_266235_944	NW_004520118.1	Scaffold6352	944	AA	TT	1940555155
SNP_P1_266236_953	NW_004520118.1	Scaffold6352	953	CC	TT	1940555156
SNP_P1_266237_916	NW_004520122.1	Scaffold6359	916	AA	CC	1940555158
SNP_P1_266238_204	NW_004520123.1	Scaffold6360	204	AA	CC	1940555160
SNP_P1_266239_1683	NW_004520124.1	Scaffold6361	1683	TT	CC	1940555162
SNP_P1_266240_1482	NW_004520126.1	Scaffold6367	1482	GG	AA	1940555165
SNP_P1_266241_3176	NW_004520126.1	Scaffold6367	3176	GG	TT	1940555167
SNP_P1_266242_32175	NW_004520126.1	Scaffold6367	32175	AA	GG	1940555169
SNP_P1_266243_32181	NW_004520126.1	Scaffold6367	32181	AA	GG	1940555171
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SNP_P1_266245_32228	NW_004520126.1	Scaffold6367	32228	GG	AA	1940555175
SNP_P1_266246_32239	NW_004520126.1	Scaffold6367	32239	GG	AA	1940555177
SNP_P1_266247_32367	NW_004520126.1	Scaffold6367	32367	AA	GG	1940555179
SNP_P1_266248_32385	NW_004520126.1	Scaffold6367	32385	GG	AA	1940555181
SNP_P1_266249_32411	NW_004520126.1	Scaffold6367	32411	CC	AA	1940555183
SNP_P1_266250_32460	NW_004520126.1	Scaffold6367	32460	AA	TT	1940555186
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SNP_P1_266256_32553	NW_004520126.1	Scaffold6367	32553	TT	AA	1940555198
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SNP_P1_266265_32856	NW_004520126.1	Scaffold6367	32856	CC	GG	1940555217
SNP_P1_266266_32902	NW_004520126.1	Scaffold6367	32902	TT	GG	1940555219
SNP_P1_266267_32966	NW_004520126.1	Scaffold6367	32966	CC	TT	1940555221
SNP_P1_266268_32985	NW_004520126.1	Scaffold6367	32985	AA	GG	1940555223

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266271_33068	NW_004520126.1	Scaffold6367	33068	TT	CC	1940555230
SNP_P1_266272_33144	NW_004520126.1	Scaffold6367	33144	GG	CC	1940555232
SNP_P1_266273_33148	NW_004520126.1	Scaffold6367	33148	AA	GG	1940555234
SNP_P1_266274_33175	NW_004520126.1	Scaffold6367	33175	CC	TT	1940555236
SNP_P1_266275_33179	NW_004520126.1	Scaffold6367	33179	GG	AA	1940555238
SNP_P1_266276_33186	NW_004520126.1	Scaffold6367	33186	GG	AA	1940555240
SNP_P1_266277_33215	NW_004520126.1	Scaffold6367	33215	CC	TT	1940555242
SNP_P1_266278_33220	NW_004520126.1	Scaffold6367	33220	CC	TT	1940555244
SNP_P1_266279_64	NW_004520127.1	Scaffold6373	64	GG	CC	1940555247
SNP_P1_266280_1015	NW_004520127.1	Scaffold6373	1015	AA	CC	1940555249
SNP_P1_266281_1037	NW_004520127.1	Scaffold6373	1037	CC	TT	1940555251
SNP_P1_266282_502	NW_004520129.1	Scaffold6375	502	GG	CC	1940555253
SNP_P1_266283_817	NW_004520129.1	Scaffold6375	817	AA	GG	1940555255
SNP_P1_266284_900	NW_004520129.1	Scaffold6375	900	AA	TT	1940555257
SNP_P1_266285_155	NW_004520130.1	Scaffold6376	155	TT	CC	1940555259
SNP_P1_266286_531	NW_004520130.1	Scaffold6376	531	TT	CC	1940555261
SNP_P1_266287_579	NW_004520130.1	Scaffold6376	579	AA	CC	1940555263
SNP_P1_266288_800	NW_004520130.1	Scaffold6376	800	AA	GG	1940555265
SNP_P1_266289_817	NW_004520130.1	Scaffold6376	817	CC	AA	1940555267
SNP_P1_266290_937	NW_004520130.1	Scaffold6376	937	AA	GG	1940555270
SNP_P1_266291_1126	NW_004520130.1	Scaffold6376	1126	CC	AA	1940555272
SNP_P1_266293_1220	NW_004520130.1	Scaffold6376	1220	AA	GG	1940555274
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SNP_P1_266296_2680	NW_004520131.1	Scaffold6377	2680	AA	GG	1940555280
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SNP_P1_266299_2739	NW_004520131.1	Scaffold6377	2739	AA	CC	1940555286
SNP_P1_266300_2972	NW_004520131.1	Scaffold6377	2972	GG	AA	1940555288
SNP_P1_266301_3050	NW_004520131.1	Scaffold6377	3050	TT	CC	1940555291
SNP_P1_266302_1295	NW_004520134.1	Scaffold6382	1295	AA	TT	1940555293
SNP_P1_266304_5339	NW_004520134.1	Scaffold6382	5339	TT	GG	1940555295
SNP_P1_266305_252	NW_004520135.1	Scaffold6389	252	TT	CC	1940555297
SNP_P1_266306_290	NW_004520135.1	Scaffold6389	290	GG	AA	1940555299
SNP_P1_266307_496	NW_004520135.1	Scaffold6389	496	TT	CC	1940555301
SNP_P1_266308_536	NW_004520135.1	Scaffold6389	536	AA	GG	1940555303
SNP_P1_266309_563	NW_004520135.1	Scaffold6389	563	CC	TT	1940555305
SNP_P1_266310_565	NW_004520135.1	Scaffold6389	565	AA	GG	1940555307
SNP_P1_266311_593	NW_004520135.1	Scaffold6389	593	CC	TT	1940555309
SNP_P1_266312_213	NW_004520136.1	Scaffold6391	213	CC	TT	1940555312

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266314_547	NW_004520136.1	Scaffold6391	547	CC	TT	1940555316
SNP_P1_266315_602	NW_004520136.1	Scaffold6391	602	TT	CC	1940555318
SNP_P1_266316_604	NW_004520136.1	Scaffold6391	604	AA	CC	1940555320
SNP_P1_266317_659	NW_004520136.1	Scaffold6391	659	GG	AA	1940555322
SNP_P1_266318_2369	NW_004520136.1	Scaffold6391	2369	GG	AA	1940555324
SNP_P1_266319_2519	NW_004520136.1	Scaffold6391	2519	AA	CC	1940555326
SNP_P1_266320_2608	NW_004520136.1	Scaffold6391	2608	AA	GG	1940555328
SNP_P1_266321_3124	NW_004520136.1	Scaffold6391	3124	AA	GG	1940555330
SNP_P1_266322_3163	NW_004520136.1	Scaffold6391	3163	CC	AA	1940555333
SNP_P1_266323_3220	NW_004520136.1	Scaffold6391	3220	AA	TT	1940555335
SNP_P1_266324_3289	NW_004520136.1	Scaffold6391	3289	TT	CC	1940555337
SNP_P1_266325_862	NW_004520138.1	Scaffold6394	862	TT	GG	1940555339
SNP_P1_266326_900	NW_004520138.1	Scaffold6394	900	TT	GG	1940555341
SNP_P1_266327_1201	NW_004520138.1	Scaffold6394	1201	AA	GG	1940555343
SNP_P1_266328_3034	NW_004520138.1	Scaffold6394	3034	CC	TT	1940555345
SNP_P1_266329_18295	NW_004520138.1	Scaffold6394	18295	GG	AA	1940555347
SNP_P1_266330_18299	NW_004520138.1	Scaffold6394	18299	AA	CC	1940555349
SNP_P1_266332_184	NW_004520144.1	Scaffold6403	184	AA	GG	1940555351
SNP_P1_266333_512	NW_004520144.1	Scaffold6403	512	AA	GG	1940555354
SNP_P1_266334_526	NW_004520144.1	Scaffold6403	526	CC	AA	1940555356
SNP_P1_266335_535	NW_004520144.1	Scaffold6403	535	AA	GG	1940555358
SNP_P1_266337_1314	NW_004520145.1	Scaffold6404	1314	CC	AA	1940555360
SNP_P1_266338_1558	NW_004520145.1	Scaffold6404	1558	TT	AA	1940555362
SNP_P1_266339_1837	NW_004520145.1	Scaffold6404	1837	AA	TT	1940555364
SNP_P1_266340_2060	NW_004520145.1	Scaffold6404	2060	AA	TT	1940555366
SNP_P1_266341_2245	NW_004520145.1	Scaffold6404	2245	AA	CC	1940555368
SNP_P1_266342_2285	NW_004520145.1	Scaffold6404	2285	GG	AA	1940555370
SNP_P1_266343_2700	NW_004520145.1	Scaffold6404	2700	TT	CC	1940555372
SNP_P1_266344_2723	NW_004520145.1	Scaffold6404	2723	CC	TT	1940555375
SNP_P1_266345_1637	NW_004520148.1	Scaffold6410	1637	CC	AA	1940555377
SNP_P1_266346_1917	NW_004520148.1	Scaffold6410	1917	CC	TT	1940555379
SNP_P1_266347_1944	NW_004520148.1	Scaffold6410	1944	GG	AA	1940555381
SNP_P1_266348_1949	NW_004520148.1	Scaffold6410	1949	TT	AA	1940555383
SNP_P1_266349_2142	NW_004520148.1	Scaffold6410	2142	AA	TT	1940555385
SNP_P1_266350_2160	NW_004520148.1	Scaffold6410	2160	GG	AA	1940555387
SNP_P1_266351_2169	NW_004520148.1	Scaffold6410	2169	TT	AA	1940555389
SNP_P1_266352_2203	NW_004520148.1	Scaffold6410	2203	TT	CC	1940555391
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SNP_P1_266354_3832	NW_004520148.1	Scaffold6410	3832	TT	CC	1940555396
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266358_3975	NW_004520148.1	Scaffold6410	3975	GG	AA	1940555404
SNP_P1_266359_3976	NW_004520148.1	Scaffold6410	3976	AA	GG	1940555406
SNP_P1_266360_3990	NW_004520148.1	Scaffold6410	3990	TT	GG	1940555408
SNP_P1_266361_3999	NW_004520148.1	Scaffold6410	3999	GG	TT	1940555410
SNP_P1_266362_4018	NW_004520148.1	Scaffold6410	4018	CC	GG	1940555412
SNP_P1_266363_4028	NW_004520148.1	Scaffold6410	4028	GG	AA	1940555414
SNP_P1_266364_4069	NW_004520148.1	Scaffold6410	4069	GG	AA	1940555417
SNP_P1_266365_4135	NW_004520148.1	Scaffold6410	4135	TT	AA	1940555419
SNP_P1_266366_4146	NW_004520148.1	Scaffold6410	4146	GG	CC	1940555421
SNP_P1_266367_4198	NW_004520148.1	Scaffold6410	4198	AA	TT	1940555423
SNP_P1_266368_4236	NW_004520148.1	Scaffold6410	4236	CC	TT	1940555425
SNP_P1_266369_4340	NW_004520148.1	Scaffold6410	4340	AA	GG	1940555427
SNP_P1_266370_1103	NW_004520150.1	Scaffold6413	1103	GG	CC	1940555429
SNP_P1_266371_1516	NW_004520150.1	Scaffold6413	1516	AA	GG	1940555431
SNP_P1_266372_680	NW_004520151.1	Scaffold6414	680	TT	CC	1940555433
SNP_P1_266373_761	NW_004520151.1	Scaffold6414	761	CC	AA	1940555435
SNP_P1_266374_64	NW_004520154.1	Scaffold6421	64	GG	AA	1940555438
SNP_P1_266375_71	NW_004520154.1	Scaffold6421	71	AA	GG	1940555440
SNP_P1_266376_144	NW_004520157.1	Scaffold6429	144	CC	AA	1940555442
SNP_P1_266377_145	NW_004520157.1	Scaffold6429	145	TT	CC	1940555444
SNP_P1_266378_147	NW_004520157.1	Scaffold6429	147	AA	TT	1940555446
SNP_P1_266379_165	NW_004520157.1	Scaffold6429	165	TT	GG	1940555448
SNP_P1_266380_244	NW_004520157.1	Scaffold6429	244	AA	GG	1940555450
SNP_P1_266381_361	NW_004520157.1	Scaffold6429	361	GG	TT	1940555452
SNP_P1_266382_670	NW_004520157.1	Scaffold6429	670	GG	CC	1940555454
SNP_P1_266383_1123	NW_004520157.1	Scaffold6429	1123	AA	TT	1940555457
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SNP_P1_266393_5822	NW_004520157.1	Scaffold6429	5822	TT	AA	1940555475
SNP_P1_266394_1067	NW_004520158.1	Scaffold6430	1067	GG	TT	1940555478
SNP_P1_266395_550	NW_004520159.1	Scaffold6432	550	GG	AA	1940555480
SNP_P1_266396_3188	NW_004520159.1	Scaffold6432	3188	GG	AA	1940555482
SNP_P1_266397_3406	NW_004520159.1	Scaffold6432	3406	CC	AA	1940555484
SNP_P1_266398_3413	NW_004520159.1	Scaffold6432	3413	TT	CC	1940555486
SNP_P1_266399_3532	NW_004520159.1	Scaffold6432	3532	GG	TT	1940555488

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SNP_P1_266402_406	NW_004520164.1	Scaffold6437	406	TT	GG	1940555494
SNP_P1_266403_483	NW_004520164.1	Scaffold6437	483	GG	AA	1940555496
SNP_P1_266404_498	NW_004520164.1	Scaffold6437	498	GG	AA	1940555499
SNP_P1_266405_560	NW_004520164.1	Scaffold6437	560	AA	GG	1940555501
SNP_P1_266406_643	NW_004520164.1	Scaffold6437	643	AA	TT	1940555503
SNP_P1_266407_716	NW_004520164.1	Scaffold6437	716	TT	AA	1940555505
SNP_P1_266408_273	NW_004520166.1	Scaffold6440	273	AA	GG	1940555507
SNP_P1_266409_931	NW_004520166.1	Scaffold6440	931	TT	CC	1940555509
SNP_P1_266411_925	NW_004520167.1	Scaffold6445	925	TT	GG	1940555511
SNP_P1_266412_934	NW_004520167.1	Scaffold6445	934	TT	CC	1940555513
SNP_P1_266413_180	NW_004520171.1	Scaffold6449	180	AA	GG	1940555515
SNP_P1_266414_365	NW_004520171.1	Scaffold6449	365	AA	CC	1940555517
SNP_P1_266415_377	NW_004520171.1	Scaffold6449	377	AA	TT	1940555520
SNP_P1_266416_449	NW_004520172.1	Scaffold6451	449	AA	GG	1940555522
SNP_P1_266417_2378	NW_004520174.1	Scaffold6456	2378	AA	CC	1940555524
SNP_P1_266418_2451	NW_004520174.1	Scaffold6456	2451	CC	TT	1940555526
SNP_P1_266419_2455	NW_004520174.1	Scaffold6456	2455	TT	AA	1940555528
SNP_P1_266420_2618	NW_004520174.1	Scaffold6456	2618	TT	CC	1940555530
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SNP_P1_266422_4071	NW_004520174.1	Scaffold6456	4071	TT	AA	1940555534
SNP_P1_266423_7952	NW_004520175.1	Scaffold6458	7952	CC	TT	1940555536
SNP_P1_266424_7994	NW_004520175.1	Scaffold6458	7994	CC	TT	1940555538
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SNP_P1_266431_17618	NW_004520175.1	Scaffold6458	17618	AA	GG	1940555551
SNP_P1_266432_20575	NW_004520175.1	Scaffold6458	20575	AA	TT	1940555553
SNP_P1_266433_20589	NW_004520175.1	Scaffold6458	20589	AA	GG	1940555555
SNP_P1_266434_20602	NW_004520175.1	Scaffold6458	20602	TT	AA	1940555557
SNP_P1_266435_21808	NW_004520175.1	Scaffold6458	21808	AA	TT	1940555560
SNP_P1_266436_24125	NW_004520175.1	Scaffold6458	24125	TT	CC	1940555562
SNP_P1_266438_24901	NW_004520175.1	Scaffold6458	24901	CC	GG	1940555564
SNP_P1_266439_27813	NW_004520175.1	Scaffold6458	27813	AA	GG	1940555566
SNP_P1_266440_747	NW_004520176.1	Scaffold6459	747	CC	TT	1940555568
SNP_P1_266441_748	NW_004520176.1	Scaffold6459	748	AA	TT	1940555570
SNP_P1_266442_775	NW_004520179.1	Scaffold6465	775	GG	TT	1940555572
SNP_P1_266443_1574	NW_004520180.1	Scaffold6466	1574	GG	AA	1940555574
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SNP_P1_266447_1083	NW_004520181.1	Scaffold6469	1083	GG	CC	1940555583
SNP_P1_266448_714	NW_004520183.1	Scaffold6471	714	GG	AA	1940555585
SNP_P1_266449_443	NW_004520185.1	Scaffold6478	443	TT	GG	1940555587
SNP_P1_266450_871	NW_004520185.1	Scaffold6478	871	TT	GG	1940555589
SNP_P1_266451_954	NW_004520185.1	Scaffold6478	954	TT	CC	1940555591
SNP_P1_266452_994	NW_004520185.1	Scaffold6478	994	GG	TT	1940555593
SNP_P1_266453_1167	NW_004520185.1	Scaffold6478	1167	AA	TT	1940555595
SNP_P1_266454_1263	NW_004520185.1	Scaffold6478	1263	AA	GG	1940555597
SNP_P1_266455_1293	NW_004520185.1	Scaffold6478	1293	AA	GG	1940555599
SNP_P1_266456_22006	NW_004520185.1	Scaffold6478	22006	AA	GG	1940555602
SNP_P1_266457_22122	NW_004520185.1	Scaffold6478	22122	CC	AA	1940555604
SNP_P1_266458_64	NW_004520187.1	Scaffold6480	64	TT	CC	1940555606
SNP_P1_266459_122	NW_004520187.1	Scaffold6480	122	GG	AA	1940555608
SNP_P1_266460_143	NW_004520187.1	Scaffold6480	143	CC	GG	1940555610
SNP_P1_266461_158	NW_004520187.1	Scaffold6480	158	AA	GG	1940555612
SNP_P1_266462_160	NW_004520187.1	Scaffold6480	160	AA	GG	1940555614
SNP_P1_266463_299	NW_004520187.1	Scaffold6480	299	CC	TT	1940555616
SNP_P1_266465_430	NW_004520187.1	Scaffold6480	430	CC	TT	1940555618
SNP_P1_266466_436	NW_004520187.1	Scaffold6480	436	TT	CC	1940555620
SNP_P1_266467_444	NW_004520187.1	Scaffold6480	444	AA	TT	1940555623
SNP_P1_266468_446	NW_004520187.1	Scaffold6480	446	GG	AA	1940555625
SNP_P1_266469_512	NW_004520187.1	Scaffold6480	512	TT	AA	1940555627
SNP_P1_266471_569	NW_004520187.1	Scaffold6480	569	CC	TT	1940555629
SNP_P1_266472_585	NW_004520187.1	Scaffold6480	585	AA	TT	1940555631
SNP_P1_266473_607	NW_004520187.1	Scaffold6480	607	GG	AA	1940555633
SNP_P1_266474_638	NW_004520187.1	Scaffold6480	638	AA	TT	1940555635
SNP_P1_266476_751	NW_004520187.1	Scaffold6480	751	CC	TT	1940555637
SNP_P1_266477_878	NW_004520187.1	Scaffold6480	878	GG	CC	1940555639
SNP_P1_266478_967	NW_004520187.1	Scaffold6480	967	CC	TT	1940555641
SNP_P1_266479_974	NW_004520187.1	Scaffold6480	974	TT	AA	1940555643
SNP_P1_266480_993	NW_004520187.1	Scaffold6480	993	GG	AA	1940555646
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SNP_P1_266484_1217	NW_004520187.1	Scaffold6480	1217	AA	GG	1940555654
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SNP_P1_266487_1317	NW_004520187.1	Scaffold6480	1317	TT	GG	1940555660
SNP_P1_266488_791	NW_004520188.1	Scaffold6483	791	CC	TT	1940555662
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266491_840	NW_004520188.1	Scaffold6483	840	TT	AA	1940555669
SNP_P1_266492_673	NW_004520189.1	Scaffold6484	673	CC	TT	1940555671
SNP_P1_266493_689	NW_004520189.1	Scaffold6484	689	TT	CC	1940555673
SNP_P1_266494_1337	NW_004520192.1	Scaffold6489	1337	AA	GG	1940555675
SNP_P1_266496_1441	NW_004520192.1	Scaffold6489	1441	GG	AA	1940555677
SNP_P1_266497_1596	NW_004520192.1	Scaffold6489	1596	TT	GG	1940555679
SNP_P1_266498_155	NW_004520193.1	Scaffold6490	155	GG	AA	1940555681
SNP_P1_266499_180	NW_004520193.1	Scaffold6490	180	CC	AA	1940555683
SNP_P1_266500_501	NW_004520194.1	Scaffold6491	501	TT	AA	1940555685
SNP_P1_266501_1725	NW_004520194.1	Scaffold6491	1725	TT	AA	1940555688
SNP_P1_266502_1786	NW_004520194.1	Scaffold6491	1786	TT	AA	1940555690
SNP_P1_266504_2149	NW_004520194.1	Scaffold6491	2149	GG	AA	1940555692
SNP_P1_266505_2150	NW_004520194.1	Scaffold6491	2150	TT	CC	1940555694
SNP_P1_266507_412	NW_004520195.1	Scaffold6492	412	CC	TT	1940555696
SNP_P1_266508_815	NW_004520195.1	Scaffold6492	815	CC	TT	1940555698
SNP_P1_266509_848	NW_004520195.1	Scaffold6492	848	GG	TT	1940555700
SNP_P1_266510_4322	NW_004520196.1	Scaffold6493	4322	GG	AA	1940555702
SNP_P1_266511_4395	NW_004520196.1	Scaffold6493	4395	AA	GG	1940555704
SNP_P1_266512_4936	NW_004520196.1	Scaffold6493	4936	AA	GG	1940555707
SNP_P1_266513_6009	NW_004520196.1	Scaffold6493	6009	GG	CC	1940555709
SNP_P1_266514_1577	NW_004520197.1	Scaffold6494	1577	AA	GG	1940555711
SNP_P1_266515_3170	NW_004520197.1	Scaffold6494	3170	AA	CC	1940555713
SNP_P1_266516_94	NW_004520199.1	Scaffold6496	94	AA	GG	1940555715
SNP_P1_266517_98	NW_004520199.1	Scaffold6496	98	CC	TT	1940555717
SNP_P1_266518_162	NW_004520199.1	Scaffold6496	162	AA	TT	1940555719
SNP_P1_266519_174	NW_004520199.1	Scaffold6496	174	AA	GG	1940555721
SNP_P1_266521_491	NW_004520199.1	Scaffold6496	491	AA	CC	1940555723
SNP_P1_266522_497	NW_004520199.1	Scaffold6496	497	TT	AA	1940555725
SNP_P1_266523_503	NW_004520199.1	Scaffold6496	503	GG	AA	1940555728
SNP_P1_266524_763	NW_004520199.1	Scaffold6496	763	TT	CC	1940555730
SNP_P1_266525_816	NW_004520199.1	Scaffold6496	816	CC	TT	1940555732
SNP_P1_266527_924	NW_004520199.1	Scaffold6496	924	TT	CC	1940555734
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SNP_P1_266530_957	NW_004520199.1	Scaffold6496	957	CC	AA	1940555740
SNP_P1_266531_959	NW_004520199.1	Scaffold6496	959	CC	GG	1940555742
SNP_P1_266532_972	NW_004520199.1	Scaffold6496	972	CC	TT	1940555744
SNP_P1_266533_978	NW_004520199.1	Scaffold6496	978	CC	TT	1940555746
SNP_P1_266534_990	NW_004520199.1	Scaffold6496	990	GG	AA	1940555749
SNP_P1_266535_1014	NW_004520199.1	Scaffold6496	1014	GG	AA	1940555751
SNP_P1_266536_1029	NW_004520199.1	Scaffold6496	1029	CC	GG	1940555753

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266538_1053	NW_004520199.1	Scaffold6496	1053	CC	AA	1940555757
SNP_P1_266539_1055	NW_004520199.1	Scaffold6496	1055	GG	TT	1940555759
SNP_P1_266540_1066	NW_004520199.1	Scaffold6496	1066	TT	CC	1940555761
SNP_P1_266541_1067	NW_004520199.1	Scaffold6496	1067	GG	AA	1940555763
SNP_P1_266542_1165	NW_004520199.1	Scaffold6496	1165	TT	AA	1940555765
SNP_P1_266544_545	NW_004520200.1	Scaffold6497	545	GG	AA	1940555767
SNP_P1_266545_993	NW_004520200.1	Scaffold6497	993	CC	GG	1940555769
SNP_P1_266546_856	NW_004520201.1	Scaffold6498	856	CC	TT	1940555772
SNP_P1_266547_1070	NW_004520201.1	Scaffold6498	1070	AA	GG	1940555774
SNP_P1_266548_1079	NW_004520201.1	Scaffold6498	1079	TT	AA	1940555776
SNP_P1_266549_1082	NW_004520201.1	Scaffold6498	1082	CC	TT	1940555778
SNP_P1_266550_1083	NW_004520201.1	Scaffold6498	1083	CC	AA	1940555780
SNP_P1_266551_1132	NW_004520201.1	Scaffold6498	1132	GG	AA	1940555782
SNP_P1_266552_1185	NW_004520201.1	Scaffold6498	1185	CC	GG	1940555784
SNP_P1_266553_1397	NW_004520201.1	Scaffold6498	1397	AA	GG	1940555786
SNP_P1_266554_1414	NW_004520201.1	Scaffold6498	1414	AA	GG	1940555788
SNP_P1_266555_1449	NW_004520201.1	Scaffold6498	1449	GG	CC	1940555790
SNP_P1_266556_1687	NW_004520201.1	Scaffold6498	1687	CC	TT	1940555793
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SNP_P1_266558_1713	NW_004520201.1	Scaffold6498	1713	AA	GG	1940555797
SNP_P1_266559_122	NW_004520204.1	Scaffold6505	122	GG	AA	1940555799
SNP_P1_266560_246	NW_004520204.1	Scaffold6505	246	AA	TT	1940555801
SNP_P1_266561_342	NW_004520204.1	Scaffold6505	342	CC	GG	1940555803
SNP_P1_266562_396	NW_004520204.1	Scaffold6505	396	AA	TT	1940555805
SNP_P1_266563_435	NW_004520204.1	Scaffold6505	435	CC	GG	1940555807
SNP_P1_266564_982	NW_004520207.1	Scaffold6509	982	CC	TT	1940555809
SNP_P1_266565_76	NW_004520211.1	Scaffold6520	76	GG	AA	1940555811
SNP_P1_266566_833	NW_004520212.1	Scaffold6521	833	TT	GG	1940555814
SNP_P1_266567_1112	NW_004520212.1	Scaffold6521	1112	CC	TT	1940555816
SNP_P1_266568_744	NW_004520213.1	Scaffold6522	744	CC	AA	1940555818
SNP_P1_266569_753	NW_004520213.1	Scaffold6522	753	CC	TT	1940555820
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SNP_P1_266571_305	NW_004520214.1	Scaffold6525	305	CC	GG	1940555824
SNP_P1_266572_461	NW_004520214.1	Scaffold6525	461	TT	CC	1940555826
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SNP_P1_266574_1150	NW_004520214.1	Scaffold6525	1150	AA	TT	1940555830
SNP_P1_266576_1444	NW_004520214.1	Scaffold6525	1444	CC	GG	1940555833
SNP_P1_266577_1822	NW_004520214.1	Scaffold6525	1822	TT	CC	1940555835
SNP_P1_266578_458	NW_004520215.1	Scaffold6527	458	AA	GG	1940555837
SNP_P1_266579_680	NW_004520215.1	Scaffold6527	680	GG	TT	1940555839
SNP_P1_266580_1388	NW_004520215.1	Scaffold6527	1388	TT	CC	1940555841

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266584_966	NW_004520216.1	Scaffold6528	966	GG	AA	1940555847
SNP_P1_266585_1215	NW_004520216.1	Scaffold6528	1215	TT	CC	1940555849
SNP_P1_266586_1219	NW_004520216.1	Scaffold6528	1219	TT	AA	1940555851
SNP_P1_266587_1284	NW_004520217.1	Scaffold6529	1284	AA	GG	1940555854
SNP_P1_266588_1296	NW_004520217.1	Scaffold6529	1296	AA	CC	1940555856
SNP_P1_266589_1002	NW_004520220.1	Scaffold6535	1002	CC	TT	1940555858
SNP_P1_266590_524	NW_004520221.1	Scaffold6537	524	AA	CC	1940555860
SNP_P1_266591_532	NW_004520221.1	Scaffold6537	532	TT	GG	1940555862
SNP_P1_266592_595	NW_004520221.1	Scaffold6537	595	AA	GG	1940555864
SNP_P1_266593_1264	NW_004520221.1	Scaffold6537	1264	GG	CC	1940555866
SNP_P1_266594_1285	NW_004520221.1	Scaffold6537	1285	TT	CC	1940555868
SNP_P1_266595_1319	NW_004520221.1	Scaffold6537	1319	TT	GG	1940555870
SNP_P1_266596_1388	NW_004520221.1	Scaffold6537	1388	TT	GG	1940555872
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SNP_P1_266603_1879	NW_004520221.1	Scaffold6537	1879	GG	AA	1940555885
SNP_P1_266604_2058	NW_004520221.1	Scaffold6537	2058	AA	GG	1940555887
SNP_P1_266605_2087	NW_004520221.1	Scaffold6537	2087	AA	GG	1940555889
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SNP_P1_266610_2501	NW_004520221.1	Scaffold6537	2501	CC	AA	1940555900
SNP_P1_266611_2538	NW_004520221.1	Scaffold6537	2538	CC	GG	1940555902
SNP_P1_266612_2635	NW_004520221.1	Scaffold6537	2635	GG	AA	1940555904
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SNP_P1_266615_2756	NW_004520221.1	Scaffold6537	2756	CC	AA	1940555910
SNP_P1_266616_2758	NW_004520221.1	Scaffold6537	2758	CC	TT	1940555912
SNP_P1_266617_2853	NW_004520221.1	Scaffold6537	2853	CC	TT	1940555914
SNP_P1_266618_2875	NW_004520221.1	Scaffold6537	2875	TT	CC	1940555917
SNP_P1_266619_2921	NW_004520221.1	Scaffold6537	2921	CC	GG	1940555919
SNP_P1_266620_3002	NW_004520221.1	Scaffold6537	3002	GG	AA	1940555921
SNP_P1_266621_3621	NW_004520223.1	Scaffold6539	3621	TT	CC	1940555923
SNP_P1_266622_3623	NW_004520223.1	Scaffold6539	3623	AA	CC	1940555925
SNP_P1_266623_817	NW_004520224.1	Scaffold6540	817	GG	CC	1940555927
SNP_P1_266624_844	NW_004520224.1	Scaffold6540	844	AA	GG	1940555929

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SNP_P1_266626_935	NW_004520224.1	Scaffold6540	935	AA	GG	1940555934
SNP_P1_266627_1216	NW_004520224.1	Scaffold6540	1216	AA	GG	1940555936
SNP_P1_266628_1248	NW_004520224.1	Scaffold6540	1248	TT	CC	1940555938
SNP_P1_266629_691	NW_004520226.1	Scaffold6543	691	TT	GG	1940555940
SNP_P1_266630_1892	NW_004520228.1	Scaffold6546	1892	CC	GG	1940555942
SNP_P1_266631_2251	NW_004520228.1	Scaffold6546	2251	CC	TT	1940555944
SNP_P1_266632_2460	NW_004520228.1	Scaffold6546	2460	CC	TT	1940555946
SNP_P1_266633_2501	NW_004520228.1	Scaffold6546	2501	GG	AA	1940555948
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SNP_P1_266636_3247	NW_004520228.1	Scaffold6546	3247	CC	TT	1940555954
SNP_P1_266637_3527	NW_004520228.1	Scaffold6546	3527	GG	TT	1940555957
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SNP_P1_266651_1141	NW_004520231.1	Scaffold6554	1141	GG	AA	1940555986
SNP_P1_266652_1333	NW_004520231.1	Scaffold6554	1333	AA	TT	1940555988
SNP_P1_266653_308	NW_004520236.1	Scaffold6561	308	CC	GG	1940555990
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SNP_P1_266656_602	NW_004520236.1	Scaffold6561	602	AA	GG	1940555996
SNP_P1_266657_674	NW_004520236.1	Scaffold6561	674	TT	AA	1940555999
SNP_P1_266658_710	NW_004520236.1	Scaffold6561	710	GG	CC	1940556001
SNP_P1_266659_810	NW_004520236.1	Scaffold6561	810	TT	GG	1940556003
SNP_P1_266660_827	NW_004520236.1	Scaffold6561	827	GG	TT	1940556005
SNP_P1_266661_843	NW_004520236.1	Scaffold6561	843	AA	TT	1940556007
SNP_P1_266662_846	NW_004520236.1	Scaffold6561	846	AA	GG	1940556009
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SNP_P1_266664_871	NW_004520236.1	Scaffold6561	871	GG	AA	1940556013
SNP_P1_266665_879	NW_004520236.1	Scaffold6561	879	TT	CC	1940556015
SNP_P1_266666_925	NW_004520236.1	Scaffold6561	925	TT	AA	1940556017

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SNP_P1_266669_1020	NW_004520236.1	Scaffold6561	1020	TT	GG	1940556024
SNP_P1_266670_1044	NW_004520236.1	Scaffold6561	1044	TT	CC	1940556026
SNP_P1_266671_1045	NW_004520236.1	Scaffold6561	1045	AA	CC	1940556028
SNP_P1_266672_1128	NW_004520236.1	Scaffold6561	1128	TT	GG	1940556030
SNP_P1_266673_1285	NW_004520236.1	Scaffold6561	1285	AA	GG	1940556032
SNP_P1_266674_1375	NW_004520236.1	Scaffold6561	1375	TT	AA	1940556034
SNP_P1_266675_1515	NW_004520236.1	Scaffold6561	1515	TT	GG	1940556036
SNP_P1_266676_1581	NW_004520236.1	Scaffold6561	1581	GG	AA	1940556038
SNP_P1_266677_1638	NW_004520236.1	Scaffold6561	1638	CC	GG	1940556040
SNP_P1_266678_220	NW_004520240.1	Scaffold6566	220	GG	AA	1940556042
SNP_P1_266679_221	NW_004520240.1	Scaffold6566	221	GG	TT	1940556045
SNP_P1_266680_345	NW_004520240.1	Scaffold6566	345	AA	TT	1940556047
SNP_P1_266681_580	NW_004520240.1	Scaffold6566	580	CC	TT	1940556049
SNP_P1_266682_596	NW_004520240.1	Scaffold6566	596	TT	CC	1940556051
SNP_P1_266683_611	NW_004520240.1	Scaffold6566	611	TT	CC	1940556053
SNP_P1_266684_971	NW_004520240.1	Scaffold6566	971	CC	TT	1940556055
SNP_P1_266685_973	NW_004520240.1	Scaffold6566	973	AA	GG	1940556057
SNP_P1_266686_388	NW_004520241.1	Scaffold6568	388	GG	AA	1940556059
SNP_P1_266689_911	NW_004520241.1	Scaffold6568	911	GG	CC	1940556061
SNP_P1_266690_1130	NW_004520241.1	Scaffold6568	1130	TT	CC	1940556063
SNP_P1_266691_1692	NW_004520241.1	Scaffold6568	1692	GG	AA	1940556065
SNP_P1_266692_1782	NW_004520241.1	Scaffold6568	1782	CC	AA	1940556068
SNP_P1_266693_1824	NW_004520241.1	Scaffold6568	1824	CC	TT	1940556070
SNP_P1_266694_2033	NW_004520241.1	Scaffold6568	2033	GG	AA	1940556072
SNP_P1_266695_2291	NW_004520241.1	Scaffold6568	2291	CC	GG	1940556074
SNP_P1_266696_2500	NW_004520241.1	Scaffold6568	2500	CC	TT	1940556076
SNP_P1_266697_605	NW_004520242.1	Scaffold6569	605	AA	TT	1940556078
SNP_P1_266698_980	NW_004520242.1	Scaffold6569	980	CC	TT	1940556080
SNP_P1_266699_1224	NW_004520242.1	Scaffold6569	1224	AA	GG	1940556082
SNP_P1_266700_1380	NW_004520242.1	Scaffold6569	1380	CC	TT	1940556084
SNP_P1_266701_1415	NW_004520242.1	Scaffold6569	1415	AA	TT	1940556086
SNP_P1_266702_1540	NW_004520242.1	Scaffold6569	1540	TT	CC	1940556089
SNP_P1_266703_733	NW_004520244.1	Scaffold6571	733	TT	CC	1940556091
SNP_P1_266704_735	NW_004520244.1	Scaffold6571	735	GG	AA	1940556093
SNP_P1_266705_751	NW_004520244.1	Scaffold6571	751	AA	CC	1940556095
SNP_P1_266706_740	NW_004520245.1	Scaffold6572	740	GG	AA	1940556097
SNP_P1_266707_772	NW_004520245.1	Scaffold6572	772	TT	GG	1940556099
SNP_P1_266708_860	NW_004520245.1	Scaffold6572	860	AA	CC	1940556101
SNP_P1_266709_944	NW_004520245.1	Scaffold6572	944	AA	GG	1940556103
SNP_P1_266710_1036	NW_004520245.1	Scaffold6572	1036	GG	AA	1940556105

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266712_1243	NW_004520245.1	Scaffold6572	1243	TT	CC	1940556109
SNP_P1_266713_1398	NW_004520245.1	Scaffold6572	1398	GG	AA	1940556112
SNP_P1_266714_1432	NW_004520245.1	Scaffold6572	1432	AA	CC	1940556114
SNP_P1_266715_1469	NW_004520245.1	Scaffold6572	1469	CC	TT	1940556116
SNP_P1_266716_1481	NW_004520245.1	Scaffold6572	1481	CC	AA	1940556118
SNP_P1_266717_1482	NW_004520245.1	Scaffold6572	1482	AA	GG	1940556120
SNP_P1_266718_1582	NW_004520245.1	Scaffold6572	1582	GG	AA	1940556122
SNP_P1_266719_1583	NW_004520245.1	Scaffold6572	1583	GG	AA	1940556124
SNP_P1_266720_1641	NW_004520245.1	Scaffold6572	1641	TT	CC	1940556126
SNP_P1_266721_1795	NW_004520245.1	Scaffold6572	1795	CC	TT	1940556128
SNP_P1_266722_1807	NW_004520245.1	Scaffold6572	1807	TT	CC	1940556130
SNP_P1_266723_1867	NW_004520245.1	Scaffold6572	1867	AA	GG	1940556133
SNP_P1_266724_1953	NW_004520245.1	Scaffold6572	1953	GG	AA	1940556135
SNP_P1_266725_2035	NW_004520245.1	Scaffold6572	2035	CC	TT	1940556137
SNP_P1_266726_2068	NW_004520245.1	Scaffold6572	2068	AA	GG	1940556139
SNP_P1_266727_2103	NW_004520245.1	Scaffold6572	2103	CC	TT	1940556141
SNP_P1_266728_2108	NW_004520245.1	Scaffold6572	2108	CC	TT	1940556143
SNP_P1_266729_2211	NW_004520245.1	Scaffold6572	2211	CC	TT	1940556145
SNP_P1_266730_2282	NW_004520245.1	Scaffold6572	2282	TT	CC	1940556147
SNP_P1_266731_2342	NW_004520245.1	Scaffold6572	2342	CC	TT	1940556149
SNP_P1_266732_2378	NW_004520245.1	Scaffold6572	2378	GG	AA	1940556151
SNP_P1_266733_2905	NW_004520245.1	Scaffold6572	2905	CC	AA	1940556153
SNP_P1_266734_3100	NW_004520245.1	Scaffold6572	3100	TT	CC	1940556155
SNP_P1_266735_3646	NW_004520245.1	Scaffold6572	3646	TT	CC	1940556158
SNP_P1_266736_3729	NW_004520245.1	Scaffold6572	3729	GG	AA	1940556160
SNP_P1_266737_3760	NW_004520245.1	Scaffold6572	3760	AA	TT	1940556162
SNP_P1_266738_3772	NW_004520245.1	Scaffold6572	3772	GG	AA	1940556164
SNP_P1_266739_3833	NW_004520245.1	Scaffold6572	3833	AA	TT	1940556166
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SNP_P1_266746_4403	NW_004520245.1	Scaffold6572	4403	TT	CC	1940556181
SNP_P1_266747_5038	NW_004520245.1	Scaffold6572	5038	TT	CC	1940556183
SNP_P1_266748_5045	NW_004520245.1	Scaffold6572	5045	TT	CC	1940556185
SNP_P1_266749_5119	NW_004520245.1	Scaffold6572	5119	CC	TT	1940556187
SNP_P1_266750_5184	NW_004520245.1	Scaffold6572	5184	CC	GG	1940556189
SNP_P1_266751_5337	NW_004520245.1	Scaffold6572	5337	CC	TT	1940556191
SNP_P1_266752_5359	NW_004520245.1	Scaffold6572	5359	GG	AA	1940556193

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266754_5559	NW_004520245.1	Scaffold6572	5559	AA	GG	1940556198
SNP_P1_266755_5571	NW_004520245.1	Scaffold6572	5571	AA	GG	1940556200
SNP_P1_266756_5626	NW_004520245.1	Scaffold6572	5626	GG	AA	1940556202
SNP_P1_266757_5908	NW_004520245.1	Scaffold6572	5908	AA	GG	1940556204
SNP_P1_266758_5926	NW_004520245.1	Scaffold6572	5926	AA	CC	1940556206
SNP_P1_266759_357	NW_004520252.1	Scaffold6581	357	GG	AA	1940556208
SNP_P1_266760_396	NW_004520252.1	Scaffold6581	396	CC	TT	1940556210
SNP_P1_266761_619	NW_004520252.1	Scaffold6581	619	TT	AA	1940556212
SNP_P1_266762_250	NW_004520253.1	Scaffold6582	250	AA	TT	1940556214
SNP_P1_266763_398	NW_004520253.1	Scaffold6582	398	GG	AA	1940556216
SNP_P1_266764_405	NW_004520253.1	Scaffold6582	405	TT	CC	1940556219
SNP_P1_266765_423	NW_004520253.1	Scaffold6582	423	AA	GG	1940556221
SNP_P1_266766_424	NW_004520253.1	Scaffold6582	424	TT	CC	1940556223
SNP_P1_266767_426	NW_004520253.1	Scaffold6582	426	TT	GG	1940556225
SNP_P1_266768_457	NW_004520253.1	Scaffold6582	457	CC	TT	1940556227
SNP_P1_266769_728	NW_004520253.1	Scaffold6582	728	AA	GG	1940556229
SNP_P1_266770_752	NW_004520258.1	Scaffold6590	752	TT	GG	1940556231
SNP_P1_266771_818	NW_004520258.1	Scaffold6590	818	TT	CC	1940556233
SNP_P1_266772_830	NW_004520258.1	Scaffold6590	830	TT	GG	1940556235
SNP_P1_266773_914	NW_004520258.1	Scaffold6590	914	CC	TT	1940556237
SNP_P1_266774_915	NW_004520258.1	Scaffold6590	915	CC	TT	1940556240
SNP_P1_266775_926	NW_004520258.1	Scaffold6590	926	AA	CC	1940556242
SNP_P1_266776_1024	NW_004520258.1	Scaffold6590	1024	AA	TT	1940556244
SNP_P1_266777_1084	NW_004520258.1	Scaffold6590	1084	CC	TT	1940556246
SNP_P1_266778_1342	NW_004520258.1	Scaffold6590	1342	TT	AA	1940556248
SNP_P1_266779_1596	NW_004520258.1	Scaffold6590	1596	AA	GG	1940556250
SNP_P1_266780_1630	NW_004520258.1	Scaffold6590	1630	TT	CC	1940556252
SNP_P1_266781_433	NW_004520259.1	Scaffold6591	433	CC	TT	1940556254
SNP_P1_266782_611	NW_004520261.1	Scaffold6594	611	AA	CC	1940556256
SNP_P1_266783_685	NW_004520261.1	Scaffold6594	685	AA	GG	1940556258
SNP_P1_266784_742	NW_004520261.1	Scaffold6594	742	GG	TT	1940556261
SNP_P1_266785_760	NW_004520261.1	Scaffold6594	760	GG	AA	1940556263
SNP_P1_266786_761	NW_004520261.1	Scaffold6594	761	AA	CC	1940556265
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SNP_P1_266788_964	NW_004520261.1	Scaffold6594	964	CC	TT	1940556269
SNP_P1_266789_970	NW_004520261.1	Scaffold6594	970	TT	CC	1940556271
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SNP_P1_266791_1108	NW_004520261.1	Scaffold6594	1108	GG	AA	1940556275
SNP_P1_266792_1134	NW_004520261.1	Scaffold6594	1134	TT	AA	1940556277
SNP_P1_266793_253	NW_004520262.1	Scaffold6597	253	AA	GG	1940556279
SNP_P1_266794_528	NW_004520262.1	Scaffold6597	528	GG	AA	1940556282

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266796_1014	NW_004520267.1	Scaffold6606	1014	TT	CC	1940556286
SNP_P1_266797_1149	NW_004520267.1	Scaffold6606	1149	GG	AA	1940556288
SNP_P1_266798_14936	NW_004520269.1	Scaffold6610	14936	TT	AA	1940556290
SNP_P1_266799_14967	NW_004520269.1	Scaffold6610	14967	AA	CC	1940556292
SNP_P1_266800_16504	NW_004520269.1	Scaffold6610	16504	GG	TT	1940556294
SNP_P1_266801_16533	NW_004520269.1	Scaffold6610	16533	AA	TT	1940556296
SNP_P1_266802_79	NW_004520272.1	Scaffold6613	79	TT	CC	1940556298
SNP_P1_266803_136	NW_004520272.1	Scaffold6613	136	CC	GG	1940556300
SNP_P1_266804_398	NW_004520272.1	Scaffold6613	398	CC	TT	1940556302
SNP_P1_266805_421	NW_004520272.1	Scaffold6613	421	TT	AA	1940556305
SNP_P1_266806_712	NW_004520272.1	Scaffold6613	712	AA	CC	1940556307
SNP_P1_266807_713	NW_004520272.1	Scaffold6613	713	AA	TT	1940556309
SNP_P1_266808_860	NW_004520272.1	Scaffold6613	860	CC	AA	1940556311
SNP_P1_266809_923	NW_004520272.1	Scaffold6613	923	TT	CC	1940556313
SNP_P1_266810_974	NW_004520272.1	Scaffold6613	974	AA	GG	1940556315
SNP_P1_266811_633	NW_004520281.1	Scaffold6623	633	GG	CC	1940556317
SNP_P1_266812_652	NW_004520281.1	Scaffold6623	652	AA	TT	1940556319
SNP_P1_266813_674	NW_004520281.1	Scaffold6623	674	CC	AA	1940556321
SNP_P1_266815_3529	NW_004520288.1	Scaffold6637	3529	CC	GG	1940556323
SNP_P1_266816_191	NW_004520291.1	Scaffold6646	191	AA	CC	1940556326
SNP_P1_266817_211	NW_004520291.1	Scaffold6646	211	AA	GG	1940556328
SNP_P1_266818_250	NW_004520291.1	Scaffold6646	250	CC	GG	1940556330
SNP_P1_266819_463	NW_004520291.1	Scaffold6646	463	TT	AA	1940556332
SNP_P1_266820_479	NW_004520291.1	Scaffold6646	479	GG	AA	1940556334
SNP_P1_266821_508	NW_004520291.1	Scaffold6646	508	TT	AA	1940556336
SNP_P1_266822_809	NW_004520291.1	Scaffold6646	809	TT	AA	1940556338
SNP_P1_266823_1097	NW_004520291.1	Scaffold6646	1097	CC	TT	1940556340
SNP_P1_266824_1398	NW_004520291.1	Scaffold6646	1398	CC	AA	1940556342
SNP_P1_266825_1399	NW_004520291.1	Scaffold6646	1399	AA	TT	1940556344
SNP_P1_266826_1644	NW_004520291.1	Scaffold6646	1644	CC	TT	1940556347
SNP_P1_266827_1656	NW_004520291.1	Scaffold6646	1656	CC	TT	1940556349
SNP_P1_266828_1881	NW_004520291.1	Scaffold6646	1881	AA	TT	1940556351
SNP_P1_266829_1903	NW_004520291.1	Scaffold6646	1903	GG	CC	1940556353
SNP_P1_266830_2062	NW_004520291.1	Scaffold6646	2062	TT	GG	1940556355
SNP_P1_266832_349	NW_004520292.1	Scaffold6647	349	GG	CC	1940556357
SNP_P1_266834_248	NW_004520295.1	Scaffold6657	248	GG	AA	1940556359
SNP_P1_266836_3033	NW_004520300.1	Scaffold6663	3033	GG	CC	1940556361
SNP_P1_266837_567	NW_004520304.1	Scaffold6669	567	CC	AA	1940556363
SNP_P1_266838_64	NW_004520305.1	Scaffold6671	64	TT	AA	1940556365
SNP_P1_266839_940	NW_004520305.1	Scaffold6671	940	TT	CC	1940556367
SNP_P1_266840_1213	NW_004520305.1	Scaffold6671	1213	TT	AA	1940556370

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SNP_P1_266842_1216	NW_004520305.1	Scaffold6671	1216	GG	AA	1940556374
SNP_P1_266843_739	NW_004520306.1	Scaffold6672	739	TT	AA	1940556376
SNP_P1_266844_835	NW_004520306.1	Scaffold6672	835	GG	AA	1940556378
SNP_P1_266845_1068	NW_004520306.1	Scaffold6672	1068	AA	GG	1940556380
SNP_P1_266846_191	NW_004520307.1	Scaffold6673	191	AA	TT	1940556382
SNP_P1_266847_292	NW_004520307.1	Scaffold6673	292	CC	TT	1940556384
SNP_P1_266848_329	NW_004520307.1	Scaffold6673	329	TT	AA	1940556386
SNP_P1_266849_331	NW_004520307.1	Scaffold6673	331	TT	AA	1940556388
SNP_P1_266850_445	NW_004520307.1	Scaffold6673	445	TT	CC	1940556391
SNP_P1_266851_494	NW_004520307.1	Scaffold6673	494	AA	CC	1940556393
SNP_P1_266852_564	NW_004520307.1	Scaffold6673	564	CC	AA	1940556395
SNP_P1_266853_650	NW_004520307.1	Scaffold6673	650	CC	TT	1940556397
SNP_P1_266854_663	NW_004520307.1	Scaffold6673	663	GG	AA	1940556399
SNP_P1_266855_672	NW_004520307.1	Scaffold6673	672	TT	CC	1940556401
SNP_P1_266856_823	NW_004520307.1	Scaffold6673	823	CC	TT	1940556403
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SNP_P1_266858_1107	NW_004520307.1	Scaffold6673	1107	AA	GG	1940556407
SNP_P1_266859_1125	NW_004520307.1	Scaffold6673	1125	GG	TT	1940556409
SNP_P1_266860_816	NW_004520317.1	Scaffold6687	816	GG	CC	1940556412
SNP_P1_266861_12892	NW_004520317.1	Scaffold6687	12892	TT	GG	1940556414
SNP_P1_266863_14215	NW_004520317.1	Scaffold6687	14215	AA	GG	1940556416
SNP_P1_266864_14297	NW_004520317.1	Scaffold6687	14297	TT	CC	1940556418
SNP_P1_266865_14639	NW_004520317.1	Scaffold6687	14639	AA	GG	1940556420
SNP_P1_266866_14724	NW_004520317.1	Scaffold6687	14724	AA	TT	1940556422
SNP_P1_266868_687	NW_004520321.1	Scaffold6694	687	GG	TT	1940556424
SNP_P1_266869_826	NW_004520321.1	Scaffold6694	826	TT	GG	1940556426
SNP_P1_266870_851	NW_004520321.1	Scaffold6694	851	CC	AA	1940556428
SNP_P1_266871_1584	NW_004520321.1	Scaffold6694	1584	GG	AA	1940556430
SNP_P1_266872_1626	NW_004520321.1	Scaffold6694	1626	CC	AA	1940556433
SNP_P1_266874_1927	NW_004520321.1	Scaffold6694	1927	GG	TT	1940556435
SNP_P1_266875_2027	NW_004520321.1	Scaffold6694	2027	GG	TT	1940556437
SNP_P1_266876_2072	NW_004520321.1	Scaffold6694	2072	AA	TT	1940556439
SNP_P1_266877_2280	NW_004520321.1	Scaffold6694	2280	GG	AA	1940556441
SNP_P1_266878_2341	NW_004520321.1	Scaffold6694	2341	TT	CC	1940556443
SNP_P1_266879_669	NW_004520322.1	Scaffold6695	669	AA	GG	1940556445
SNP_P1_266880_710	NW_004520322.1	Scaffold6695	710	TT	CC	1940556447
SNP_P1_266881_782	NW_004520322.1	Scaffold6695	782	CC	TT	1940556449
SNP_P1_266882_1143	NW_004520322.1	Scaffold6695	1143	TT	GG	1940556451
SNP_P1_266883_1156	NW_004520322.1	Scaffold6695	1156	TT	GG	1940556453
SNP_P1_266884_1248	NW_004520322.1	Scaffold6695	1248	TT	CC	1940556456
SNP_P1_266885_1293	NW_004520322.1	Scaffold6695	1293	CC	TT	1940556458

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266889_953	NW_004520323.1	Scaffold6696	953	GG	TT	1940556464
SNP_P1_266890_983	NW_004520323.1	Scaffold6696	983	CC	TT	1940556466
SNP_P1_266891_1000	NW_004520323.1	Scaffold6696	1000	TT	CC	1940556468
SNP_P1_266892_1016	NW_004520323.1	Scaffold6696	1016	TT	CC	1940556470
SNP_P1_266893_1127	NW_004520323.1	Scaffold6696	1127	CC	AA	1940556472
SNP_P1_266894_1165	NW_004520323.1	Scaffold6696	1165	TT	CC	1940556474
SNP_P1_266895_1485	NW_004520323.1	Scaffold6696	1485	TT	CC	1940556477
SNP_P1_266896_2949	NW_004520323.1	Scaffold6696	2949	TT	GG	1940556479
SNP_P1_266897_2951	NW_004520323.1	Scaffold6696	2951	GG	AA	1940556481
SNP_P1_266899_1533	NW_004520325.1	Scaffold6698	1533	GG	CC	1940556483
SNP_P1_266900_1572	NW_004520325.1	Scaffold6698	1572	AA	TT	1940556485
SNP_P1_266901_90	NW_004520327.1	Scaffold6700	90	TT	AA	1940556487
SNP_P1_266902_201	NW_004520327.1	Scaffold6700	201	AA	TT	1940556489
SNP_P1_266903_202	NW_004520327.1	Scaffold6700	202	GG	AA	1940556491
SNP_P1_266904_210	NW_004520327.1	Scaffold6700	210	AA	GG	1940556493
SNP_P1_266905_303	NW_004520327.1	Scaffold6700	303	GG	AA	1940556495
SNP_P1_266906_361	NW_004520327.1	Scaffold6700	361	AA	GG	1940556498
SNP_P1_266907_384	NW_004520327.1	Scaffold6700	384	TT	GG	1940556500
SNP_P1_266908_395	NW_004520327.1	Scaffold6700	395	CC	TT	1940556502
SNP_P1_266909_411	NW_004520327.1	Scaffold6700	411	TT	AA	1940556504
SNP_P1_266910_527	NW_004520327.1	Scaffold6700	527	TT	CC	1940556506
SNP_P1_266911_536	NW_004520327.1	Scaffold6700	536	AA	GG	1940556508
SNP_P1_266912_568	NW_004520327.1	Scaffold6700	568	AA	TT	1940556510
SNP_P1_266913_574	NW_004520327.1	Scaffold6700	574	TT	CC	1940556512
SNP_P1_266914_635	NW_004520327.1	Scaffold6700	635	GG	AA	1940556514
SNP_P1_266915_661	NW_004520327.1	Scaffold6700	661	TT	CC	1940556516
SNP_P1_266916_719	NW_004520327.1	Scaffold6700	719	AA	GG	1940556519
SNP_P1_266917_738	NW_004520327.1	Scaffold6700	738	TT	CC	1940556521
SNP_P1_266918_858	NW_004520327.1	Scaffold6700	858	AA	GG	1940556523
SNP_P1_266919_1174	NW_004520327.1	Scaffold6700	1174	GG	AA	1940556525
SNP_P1_266920_1471	NW_004520327.1	Scaffold6700	1471	CC	AA	1940556527
SNP_P1_266921_1671	NW_004520327.1	Scaffold6700	1671	TT	GG	1940556529
SNP_P1_266922_562	NW_004520329.1	Scaffold6707	562	AA	GG	1940556531
SNP_P1_266923_615	NW_004520329.1	Scaffold6707	615	CC	AA	1940556533
SNP_P1_266924_650	NW_004520329.1	Scaffold6707	650	CC	GG	1940556535
SNP_P1_266925_1008	NW_004520331.1	Scaffold6710	1008	TT	GG	1940556537
SNP_P1_266926_1999	NW_004520333.1	Scaffold6714	1999	AA	TT	1940556540
SNP_P1_266927_2102	NW_004520333.1	Scaffold6714	2102	AA	TT	1940556542
SNP_P1_266928_2123	NW_004520333.1	Scaffold6714	2123	AA	GG	1940556544
SNP_P1_266929_499	NW_004520334.1	Scaffold6716	499	TT	GG	1940556546

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266931_133	NW_004520335.1	Scaffold6717	133	CC	AA	1940556550
SNP_P1_266932_587	NW_004520336.1	Scaffold6719	587	GG	AA	1940556552
SNP_P1_266934_328	NW_004520337.1	Scaffold6720	328	GG	AA	1940556554
SNP_P1_266935_361	NW_004520337.1	Scaffold6720	361	GG	CC	1940556556
SNP_P1_266937_639	NW_004520337.1	Scaffold6720	639	TT	GG	1940556558
SNP_P1_266938_724	NW_004520337.1	Scaffold6720	724	CC	GG	1940556561
SNP_P1_266939_5155	NW_004520337.1	Scaffold6720	5155	AA	GG	1940556563
SNP_P1_266941_5333	NW_004520337.1	Scaffold6720	5333	AA	TT	1940556565
SNP_P1_266942_5348	NW_004520337.1	Scaffold6720	5348	CC	TT	1940556567
SNP_P1_266943_5379	NW_004520337.1	Scaffold6720	5379	AA	TT	1940556569
SNP_P1_266944_5482	NW_004520337.1	Scaffold6720	5482	CC	TT	1940556571
SNP_P1_266945_684	NW_004520338.1	Scaffold6721	684	TT	AA	1940556573
SNP_P1_266946_2205	NW_004520338.1	Scaffold6721	2205	GG	TT	1940556575
SNP_P1_266947_112	NW_004520339.1	Scaffold6722	112	TT	CC	1940556577
SNP_P1_266948_454	NW_004520339.1	Scaffold6722	454	CC	GG	1940556579
SNP_P1_266949_719	NW_004520339.1	Scaffold6722	719	TT	AA	1940556582
SNP_P1_266950_772	NW_004520339.1	Scaffold6722	772	CC	TT	1940556584
SNP_P1_266951_783	NW_004520339.1	Scaffold6722	783	GG	TT	1940556586
SNP_P1_266952_799	NW_004520339.1	Scaffold6722	799	GG	CC	1940556588
SNP_P1_266953_830	NW_004520339.1	Scaffold6722	830	GG	TT	1940556590
SNP_P1_266954_845	NW_004520339.1	Scaffold6722	845	AA	GG	1940556592
SNP_P1_266955_894	NW_004520339.1	Scaffold6722	894	TT	GG	1940556594
SNP_P1_266956_976	NW_004520339.1	Scaffold6722	976	TT	AA	1940556596
SNP_P1_266957_979	NW_004520339.1	Scaffold6722	979	CC	TT	1940556598
SNP_P1_266958_980	NW_004520339.1	Scaffold6722	980	CC	TT	1940556600
SNP_P1_266959_981	NW_004520339.1	Scaffold6722	981	CC	TT	1940556602
SNP_P1_266960_982	NW_004520339.1	Scaffold6722	982	GG	CC	1940556605
SNP_P1_266962_993	NW_004520339.1	Scaffold6722	993	TT	CC	1940556607
SNP_P1_266963_995	NW_004520339.1	Scaffold6722	995	AA	TT	1940556609
SNP_P1_266964_1202	NW_004520339.1	Scaffold6722	1202	AA	CC	1940556611
SNP_P1_266965_1309	NW_004520339.1	Scaffold6722	1309	AA	GG	1940556613
SNP_P1_266966_1472	NW_004520339.1	Scaffold6722	1472	TT	CC	1940556615
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SNP_P1_266970_1881	NW_004520339.1	Scaffold6722	1881	TT	GG	1940556621
SNP_P1_266971_1887	NW_004520339.1	Scaffold6722	1887	AA	GG	1940556623
SNP_P1_266972_1948	NW_004520339.1	Scaffold6722	1948	TT	CC	1940556626
SNP_P1_266973_548	NW_004520340.1	Scaffold6725	548	AA	GG	1940556628
SNP_P1_266974_586	NW_004520340.1	Scaffold6725	586	TT	AA	1940556630
SNP_P1_266975_587	NW_004520340.1	Scaffold6725	587	GG	TT	1940556632
SNP_P1_266976_750	NW_004520340.1	Scaffold6725	750	AA	TT	1940556634

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_266978_752	NW_004520340.1	Scaffold6725	752	GG	TT	1940556638
SNP_P1_266979_910	NW_004520340.1	Scaffold6725	910	TT	CC	1940556640
SNP_P1_266980_941	NW_004520340.1	Scaffold6725	941	AA	GG	1940556642
SNP_P1_266981_1011	NW_004520340.1	Scaffold6725	1011	AA	GG	1940556644
SNP_P1_266982_1292	NW_004520340.1	Scaffold6725	1292	CC	AA	1940556646
SNP_P1_266983_1402	NW_004520340.1	Scaffold6725	1402	AA	CC	1940556649
SNP_P1_266984_1454	NW_004520340.1	Scaffold6725	1454	AA	CC	1940556651
SNP_P1_266985_1622	NW_004520340.1	Scaffold6725	1622	GG	AA	1940556653
SNP_P1_266986_1688	NW_004520340.1	Scaffold6725	1688	AA	TT	1940556655
SNP_P1_266987_1700	NW_004520340.1	Scaffold6725	1700	AA	CC	1940556657
SNP_P1_266988_1791	NW_004520340.1	Scaffold6725	1791	CC	TT	1940556659
SNP_P1_266989_1909	NW_004520340.1	Scaffold6725	1909	TT	AA	1940556661
SNP_P1_266990_1979	NW_004520340.1	Scaffold6725	1979	CC	TT	1940556663
SNP_P1_266991_1992	NW_004520340.1	Scaffold6725	1992	CC	AA	1940556665
SNP_P1_266992_2013	NW_004520340.1	Scaffold6725	2013	AA	GG	1940556667
SNP_P1_266993_2014	NW_004520340.1	Scaffold6725	2014	AA	TT	1940556670
SNP_P1_266994_2041	NW_004520340.1	Scaffold6725	2041	CC	TT	1940556672
SNP_P1_266995_528	NW_004520341.1	Scaffold6728	528	AA	GG	1940556674
SNP_P1_266996_1099	NW_004520341.1	Scaffold6728	1099	GG	CC	1940556676
SNP_P1_266997_4853	NW_004520341.1	Scaffold6728	4853	GG	AA	1940556678
SNP_P1_266998_4934	NW_004520341.1	Scaffold6728	4934	CC	GG	1940556680
SNP_P1_266999_9507	NW_004520341.1	Scaffold6728	9507	AA	GG	1940556682
SNP_P1_267000_9508	NW_004520341.1	Scaffold6728	9508	AA	TT	1940556684
SNP_P1_267001_9598	NW_004520341.1	Scaffold6728	9598	AA	CC	1940556686
SNP_P1_267002_15065	NW_004520341.1	Scaffold6728	15065	GG	AA	1940556688
SNP_P1_267003_218	NW_004520343.1	Scaffold6731	218	GG	AA	1940556690
SNP_P1_267004_732	NW_004520343.1	Scaffold6731	732	TT	GG	1940556693
SNP_P1_267005_753	NW_004520343.1	Scaffold6731	753	GG	AA	1940556695
SNP_P1_267006_993	NW_004520343.1	Scaffold6731	993	GG	CC	1940556697
SNP_P1_267007_1267	NW_004520343.1	Scaffold6731	1267	TT	CC	1940556699
SNP_P1_267008_100	NW_004520345.1	Scaffold6734	100	AA	CC	1940556701
SNP_P1_267009_240	NW_004520345.1	Scaffold6734	240	TT	GG	1940556703
SNP_P1_267010_673	NW_004520345.1	Scaffold6734	673	TT	AA	1940556705
SNP_P1_267011_685	NW_004520345.1	Scaffold6734	685	GG	TT	1940556707
SNP_P1_267012_699	NW_004520345.1	Scaffold6734	699	TT	AA	1940556709
SNP_P1_267013_700	NW_004520345.1	Scaffold6734	700	TT	AA	1940556711
SNP_P1_267014_732	NW_004520345.1	Scaffold6734	732	AA	CC	1940556713
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SNP_P1_267016_1234	NW_004520347.1	Scaffold6737	1234	GG	AA	1940556718
SNP_P1_267017_1273	NW_004520347.1	Scaffold6737	1273	CC	GG	1940556720
SNP_P1_267018_1790	NW_004520347.1	Scaffold6737	1790	GG	AA	1940556722

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267020_1974	NW_004520347.1	Scaffold6737	1974	AA	TT	1940556726
SNP_P1_267021_2019	NW_004520347.1	Scaffold6737	2019	TT	GG	1940556728
SNP_P1_267022_2123	NW_004520347.1	Scaffold6737	2123	GG	CC	1940556730
SNP_P1_267023_2367	NW_004520347.1	Scaffold6737	2367	GG	TT	1940556732
SNP_P1_267024_2378	NW_004520347.1	Scaffold6737	2378	AA	TT	1940556734
SNP_P1_267025_2420	NW_004520347.1	Scaffold6737	2420	AA	TT	1940556737
SNP_P1_267026_2454	NW_004520347.1	Scaffold6737	2454	AA	GG	1940556739
SNP_P1_267027_2517	NW_004520347.1	Scaffold6737	2517	CC	TT	1940556741
SNP_P1_267028_2660	NW_004520347.1	Scaffold6737	2660	GG	TT	1940556743
SNP_P1_267029_2721	NW_004520347.1	Scaffold6737	2721	TT	CC	1940556745
SNP_P1_267030_2940	NW_004520347.1	Scaffold6737	2940	CC	TT	1940556747
SNP_P1_267031_3354	NW_004520347.1	Scaffold6737	3354	AA	GG	1940556749
SNP_P1_267032_3463	NW_004520347.1	Scaffold6737	3463	TT	CC	1940556751
SNP_P1_267033_3647	NW_004520347.1	Scaffold6737	3647	TT	CC	1940556753
SNP_P1_267034_3658	NW_004520347.1	Scaffold6737	3658	AA	TT	1940556755
SNP_P1_267035_3754	NW_004520347.1	Scaffold6737	3754	CC	GG	1940556758
SNP_P1_267036_3845	NW_004520347.1	Scaffold6737	3845	AA	GG	1940556760
SNP_P1_267037_3906	NW_004520347.1	Scaffold6737	3906	AA	CC	1940556762
SNP_P1_267038_4063	NW_004520347.1	Scaffold6737	4063	CC	TT	1940556764
SNP_P1_267039_4261	NW_004520347.1	Scaffold6737	4261	AA	TT	1940556766
SNP_P1_267040_4366	NW_004520347.1	Scaffold6737	4366	CC	TT	1940556768
SNP_P1_267041_4403	NW_004520347.1	Scaffold6737	4403	GG	TT	1940556770
SNP_P1_267042_4411	NW_004520347.1	Scaffold6737	4411	CC	AA	1940556772
SNP_P1_267043_4417	NW_004520347.1	Scaffold6737	4417	GG	TT	1940556774
SNP_P1_267044_4426	NW_004520347.1	Scaffold6737	4426	AA	CC	1940556776
SNP_P1_267045_5232	NW_004520347.1	Scaffold6737	5232	AA	GG	1940556778
SNP_P1_267046_6268	NW_004520347.1	Scaffold6737	6268	AA	CC	1940556781
SNP_P1_267047_6308	NW_004520347.1	Scaffold6737	6308	TT	CC	1940556783
SNP_P1_267048_6647	NW_004520347.1	Scaffold6737	6647	AA	GG	1940556785
SNP_P1_267049_339	NW_004520348.1	Scaffold6738	339	CC	TT	1940556787
SNP_P1_267050_346	NW_004520348.1	Scaffold6738	346	TT	AA	1940556789
SNP_P1_267051_349	NW_004520348.1	Scaffold6738	349	TT	CC	1940556791
SNP_P1_267052_350	NW_004520348.1	Scaffold6738	350	CC	TT	1940556793
SNP_P1_267053_437	NW_004520348.1	Scaffold6738	437	TT	GG	1940556795
SNP_P1_267054_572	NW_004520348.1	Scaffold6738	572	AA	CC	1940556797
SNP_P1_267055_596	NW_004520348.1	Scaffold6738	596	AA	GG	1940556799
SNP_P1_267056_1110	NW_004520348.1	Scaffold6738	1110	TT	AA	1940556802
SNP_P1_267057_1315	NW_004520348.1	Scaffold6738	1315	AA	GG	1940556804
SNP_P1_267058_1389	NW_004520348.1	Scaffold6738	1389	CC	TT	1940556806
SNP_P1_267059_1436	NW_004520348.1	Scaffold6738	1436	AA	TT	1940556808
SNP_P1_267060_992	NW_004520350.1	Scaffold6742	992	AA	CC	1940556810

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SNP_P1_267062_4047	NW_004520354.1	Scaffold6750	4047	AA	GG	1940556814
SNP_P1_267063_4055	NW_004520354.1	Scaffold6750	4055	TT	GG	1940556816
SNP_P1_267064_4393	NW_004520354.1	Scaffold6750	4393	AA	TT	1940556818
SNP_P1_267065_4424	NW_004520354.1	Scaffold6750	4424	GG	AA	1940556820
SNP_P1_267066_5692	NW_004520354.1	Scaffold6750	5692	AA	GG	1940556823
SNP_P1_267068_6036	NW_004520354.1	Scaffold6750	6036	TT	GG	1940556825
SNP_P1_267069_6701	NW_004520354.1	Scaffold6750	6701	AA	TT	1940556827
SNP_P1_267070_6712	NW_004520354.1	Scaffold6750	6712	AA	CC	1940556829
SNP_P1_267071_6716	NW_004520354.1	Scaffold6750	6716	TT	CC	1940556831
SNP_P1_267072_6852	NW_004520354.1	Scaffold6750	6852	TT	GG	1940556833
SNP_P1_267073_592	NW_004520359.1	Scaffold6759	592	TT	AA	1940556835
SNP_P1_267074_595	NW_004520359.1	Scaffold6759	595	CC	GG	1940556837
SNP_P1_267075_77	NW_004520360.1	Scaffold6760	77	GG	AA	1940556839
SNP_P1_267076_82	NW_004520360.1	Scaffold6760	82	CC	GG	1940556841
SNP_P1_267077_195	NW_004520360.1	Scaffold6760	195	TT	AA	1940556843
SNP_P1_267078_249	NW_004520360.1	Scaffold6760	249	CC	TT	1940556846
SNP_P1_267079_370	NW_004520360.1	Scaffold6760	370	GG	TT	1940556848
SNP_P1_267080_416	NW_004520360.1	Scaffold6760	416	AA	TT	1940556850
SNP_P1_267081_427	NW_004520360.1	Scaffold6760	427	AA	TT	1940556852
SNP_P1_267082_451	NW_004520360.1	Scaffold6760	451	TT	AA	1940556854
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SNP_P1_267089_701	NW_004520360.1	Scaffold6760	701	GG	TT	1940556864
SNP_P1_267090_788	NW_004520360.1	Scaffold6760	788	CC	TT	1940556867
SNP_P1_267092_873	NW_004520360.1	Scaffold6760	873	TT	CC	1940556869
SNP_P1_267093_879	NW_004520360.1	Scaffold6760	879	CC	AA	1940556871
SNP_P1_267094_885	NW_004520360.1	Scaffold6760	885	TT	CC	1940556873
SNP_P1_267096_944	NW_004520360.1	Scaffold6760	944	GG	AA	1940556875
SNP_P1_267097_1049	NW_004520360.1	Scaffold6760	1049	GG	AA	1940556877
SNP_P1_267099_826	NW_004520364.1	Scaffold6770	826	AA	GG	1940556879
SNP_P1_267100_846	NW_004520364.1	Scaffold6770	846	AA	GG	1940556881
SNP_P1_267101_850	NW_004520364.1	Scaffold6770	850	AA	TT	1940556883
SNP_P1_267102_859	NW_004520364.1	Scaffold6770	859	GG	CC	1940556885
SNP_P1_267103_1141	NW_004520364.1	Scaffold6770	1141	GG	CC	1940556888
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SNP_P1_267105_1242	NW_004520364.1	Scaffold6770	1242	GG	CC	1940556892
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SNP_P1_267107_1532	NW_004520366.1	Scaffold6773	1532	CC	TT	1940556896
SNP_P1_267108_64	NW_004520368.1	Scaffold6775	64	GG	TT	1940556898

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267111_11256	NW_004520369.1	Scaffold6778	11256	CC	TT	1940556904
SNP_P1_267112_11257	NW_004520369.1	Scaffold6778	11257	GG	AA	1940556906
SNP_P1_267113_11269	NW_004520369.1	Scaffold6778	11269	AA	GG	1940556908
SNP_P1_267114_11326	NW_004520369.1	Scaffold6778	11326	TT	AA	1940556911
SNP_P1_267115_11338	NW_004520369.1	Scaffold6778	11338	GG	AA	1940556913
SNP_P1_267116_11414	NW_004520369.1	Scaffold6778	11414	GG	CC	1940556915
SNP_P1_267117_11533	NW_004520369.1	Scaffold6778	11533	GG	AA	1940556917
SNP_P1_267118_11693	NW_004520369.1	Scaffold6778	11693	TT	CC	1940556919
SNP_P1_267119_11731	NW_004520369.1	Scaffold6778	11731	GG	CC	1940556921
SNP_P1_267120_11795	NW_004520369.1	Scaffold6778	11795	AA	TT	1940556923
SNP_P1_267121_12006	NW_004520369.1	Scaffold6778	12006	AA	TT	1940556925
SNP_P1_267122_12025	NW_004520369.1	Scaffold6778	12025	CC	GG	1940556927
SNP_P1_267123_12049	NW_004520369.1	Scaffold6778	12049	AA	GG	1940556929
SNP_P1_267124_12147	NW_004520369.1	Scaffold6778	12147	GG	TT	1940556932
SNP_P1_267125_12217	NW_004520369.1	Scaffold6778	12217	GG	AA	1940556934
SNP_P1_267126_12333	NW_004520369.1	Scaffold6778	12333	CC	TT	1940556936
SNP_P1_267127_12444	NW_004520369.1	Scaffold6778	12444	GG	AA	1940556938
SNP_P1_267128_64	NW_004520371.1	Scaffold6782	64	CC	AA	1940556940
SNP_P1_267129_81	NW_004520371.1	Scaffold6782	81	TT	CC	1940556942
SNP_P1_267130_202	NW_004520371.1	Scaffold6782	202	AA	TT	1940556944
SNP_P1_267131_307	NW_004520371.1	Scaffold6782	307	AA	GG	1940556946
SNP_P1_267132_384	NW_004520371.1	Scaffold6782	384	TT	CC	1940556948
SNP_P1_267133_425	NW_004520371.1	Scaffold6782	425	CC	AA	1940556950
SNP_P1_267135_724	NW_004520371.1	Scaffold6782	724	CC	TT	1940556953
SNP_P1_267137_775	NW_004520371.1	Scaffold6782	775	GG	AA	1940556955
SNP_P1_267140_1243	NW_004520371.1	Scaffold6782	1243	CC	TT	1940556957
SNP_P1_267141_1309	NW_004520371.1	Scaffold6782	1309	GG	AA	1940556959
SNP_P1_267142_1332	NW_004520371.1	Scaffold6782	1332	AA	GG	1940556961
SNP_P1_267143_271	NW_004520372.1	Scaffold6784	271	TT	AA	1940556963
SNP_P1_267144_1915	NW_004520375.1	Scaffold6789	1915	GG	AA	1940556965
SNP_P1_267145_104	NW_004520376.1	Scaffold6790	104	CC	TT	1940556967
SNP_P1_267146_232	NW_004520376.1	Scaffold6790	232	TT	GG	1940556969
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SNP_P1_267149_555	NW_004520376.1	Scaffold6790	555	CC	TT	1940556976
SNP_P1_267150_580	NW_004520376.1	Scaffold6790	580	GG	AA	1940556978
SNP_P1_267153_1052	NW_004520376.1	Scaffold6790	1052	GG	TT	1940556980
SNP_P1_267154_1060	NW_004520376.1	Scaffold6790	1060	GG	AA	1940556982
SNP_P1_267155_1114	NW_004520376.1	Scaffold6790	1114	AA	CC	1940556984
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267158_1157	NW_004520376.1	Scaffold6790	1157	CC	TT	1940556990
SNP_P1_267159_1222	NW_004520376.1	Scaffold6790	1222	CC	AA	1940556992
SNP_P1_267160_1238	NW_004520376.1	Scaffold6790	1238	GG	AA	1940556994
SNP_P1_267161_1306	NW_004520376.1	Scaffold6790	1306	GG	AA	1940556997
SNP_P1_267162_1321	NW_004520376.1	Scaffold6790	1321	GG	TT	1940556999
SNP_P1_267164_1477	NW_004520376.1	Scaffold6790	1477	AA	GG	1940557001
SNP_P1_267165_1478	NW_004520376.1	Scaffold6790	1478	CC	TT	1940557003
SNP_P1_267166_1540	NW_004520376.1	Scaffold6790	1540	AA	TT	1940557005
SNP_P1_267167_2201	NW_004520376.1	Scaffold6790	2201	TT	CC	1940557007
SNP_P1_267168_2232	NW_004520376.1	Scaffold6790	2232	TT	CC	1940557009
SNP_P1_267170_2300	NW_004520376.1	Scaffold6790	2300	TT	CC	1940557011
SNP_P1_267171_2384	NW_004520376.1	Scaffold6790	2384	GG	TT	1940557013
SNP_P1_267172_2531	NW_004520376.1	Scaffold6790	2531	TT	CC	1940557015
SNP_P1_267173_2707	NW_004520376.1	Scaffold6790	2707	AA	TT	1940557018
SNP_P1_267174_2726	NW_004520376.1	Scaffold6790	2726	GG	AA	1940557020
SNP_P1_267175_2756	NW_004520376.1	Scaffold6790	2756	CC	AA	1940557022
SNP_P1_267177_2859	NW_004520376.1	Scaffold6790	2859	GG	AA	1940557024
SNP_P1_267178_2902	NW_004520376.1	Scaffold6790	2902	CC	TT	1940557026
SNP_P1_267179_2999	NW_004520376.1	Scaffold6790	2999	TT	AA	1940557028
SNP_P1_267180_3000	NW_004520376.1	Scaffold6790	3000	CC	TT	1940557030
SNP_P1_267181_3035	NW_004520376.1	Scaffold6790	3035	TT	CC	1940557032
SNP_P1_267182_3075	NW_004520376.1	Scaffold6790	3075	TT	CC	1940557034
SNP_P1_267183_3126	NW_004520376.1	Scaffold6790	3126	AA	GG	1940557036
SNP_P1_267184_3191	NW_004520376.1	Scaffold6790	3191	AA	GG	1940557038
SNP_P1_267185_3202	NW_004520376.1	Scaffold6790	3202	TT	CC	1940557041
SNP_P1_267186_3215	NW_004520376.1	Scaffold6790	3215	CC	TT	1940557043
SNP_P1_267187_3856	NW_004520377.1	Scaffold6791	3856	GG	TT	1940557045
SNP_P1_267188_3904	NW_004520377.1	Scaffold6791	3904	CC	GG	1940557047
SNP_P1_267189_3959	NW_004520377.1	Scaffold6791	3959	GG	AA	1940557049
SNP_P1_267190_4144	NW_004520377.1	Scaffold6791	4144	AA	TT	1940557051
SNP_P1_267191_4335	NW_004520377.1	Scaffold6791	4335	TT	CC	1940557053
SNP_P1_267192_4460	NW_004520377.1	Scaffold6791	4460	TT	AA	1940557055
SNP_P1_267193_4544	NW_004520377.1	Scaffold6791	4544	AA	GG	1940557057
SNP_P1_267194_4810	NW_004520377.1	Scaffold6791	4810	TT	CC	1940557059
SNP_P1_267195_5041	NW_004520377.1	Scaffold6791	5041	GG	CC	1940557062
SNP_P1_267196_13564	NW_004520377.1	Scaffold6791	13564	TT	AA	1940557064
SNP_P1_267197_13787	NW_004520377.1	Scaffold6791	13787	TT	GG	1940557066
SNP_P1_267198_16971	NW_004520377.1	Scaffold6791	16971	TT	CC	1940557068
SNP_P1_267199_16987	NW_004520377.1	Scaffold6791	16987	TT	GG	1940557070
SNP_P1_267200_17009	NW_004520377.1	Scaffold6791	17009	GG	AA	1940557072
SNP_P1_267201_18793	NW_004520377.1	Scaffold6791	18793	CC	TT	1940557074

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267203_24362	NW_004520377.1	Scaffold6791	24362	AA	TT	1940557078
SNP_P1_267204_24417	NW_004520377.1	Scaffold6791	24417	CC	TT	1940557080
SNP_P1_267205_26017	NW_004520377.1	Scaffold6791	26017	GG	AA	1940557083
SNP_P1_267206_26020	NW_004520377.1	Scaffold6791	26020	AA	GG	1940557085
SNP_P1_267208_4900	NW_004520378.1	Scaffold6792	4900	GG	AA	1940557087
SNP_P1_267209_322	NW_004520381.1	Scaffold6799	322	GG	AA	1940557089
SNP_P1_267210_369	NW_004520381.1	Scaffold6799	369	TT	CC	1940557091
SNP_P1_267211_610	NW_004520381.1	Scaffold6799	610	TT	CC	1940557093
SNP_P1_267212_627	NW_004520381.1	Scaffold6799	627	TT	GG	1940557095
SNP_P1_267213_791	NW_004520381.1	Scaffold6799	791	AA	CC	1940557097
SNP_P1_267214_1115	NW_004520381.1	Scaffold6799	1115	AA	GG	1940557099
SNP_P1_267215_2427	NW_004520381.1	Scaffold6799	2427	GG	CC	1940557101
SNP_P1_267217_609	NW_004520384.1	Scaffold6808	609	CC	AA	1940557104
SNP_P1_267218_614	NW_004520384.1	Scaffold6808	614	CC	TT	1940557106
SNP_P1_267219_204	NW_004520388.1	Scaffold6814	204	AA	GG	1940557108
SNP_P1_267220_422	NW_004520388.1	Scaffold6814	422	TT	CC	1940557110
SNP_P1_267221_91	NW_004520392.1	Scaffold6820	91	AA	GG	1940557112
SNP_P1_267222_202	NW_004520392.1	Scaffold6820	202	TT	CC	1940557114
SNP_P1_267223_231	NW_004520392.1	Scaffold6820	231	AA	GG	1940557116
SNP_P1_267224_523	NW_004520392.1	Scaffold6820	523	GG	AA	1940557118
SNP_P1_267225_537	NW_004520392.1	Scaffold6820	537	AA	TT	1940557120
SNP_P1_267226_551	NW_004520392.1	Scaffold6820	551	GG	TT	1940557122
SNP_P1_267227_784	NW_004520392.1	Scaffold6820	784	GG	AA	1940557124
SNP_P1_267228_964	NW_004520392.1	Scaffold6820	964	TT	CC	1940557127
SNP_P1_267229_989	NW_004520392.1	Scaffold6820	989	AA	CC	1940557129
SNP_P1_267230_742	NW_004520397.1	Scaffold6827	742	CC	TT	1940557131
SNP_P1_267231_371	NW_004520398.1	Scaffold6828	371	AA	GG	1940557133
SNP_P1_267232_506	NW_004520398.1	Scaffold6828	506	CC	TT	1940557135
SNP_P1_267233_522	NW_004520398.1	Scaffold6828	522	GG	AA	1940557137
SNP_P1_267234_866	NW_004520398.1	Scaffold6828	866	TT	AA	1940557139
SNP_P1_267235_939	NW_004520398.1	Scaffold6828	939	CC	TT	1940557141
SNP_P1_267236_64	NW_004520399.1	Scaffold6830	64	GG	AA	1940557143
SNP_P1_267237_115	NW_004520399.1	Scaffold6830	115	TT	AA	1940557145
SNP_P1_267238_141	NW_004520399.1	Scaffold6830	141	CC	TT	1940557147
SNP_P1_267239_176	NW_004520399.1	Scaffold6830	176	CC	TT	1940557150
SNP_P1_267240_2042	NW_004520403.1	Scaffold6837	2042	AA	TT	1940557152
SNP_P1_267241_2247	NW_004520403.1	Scaffold6837	2247	GG	TT	1940557154
SNP_P1_267242_2622	NW_004520403.1	Scaffold6837	2622	AA	TT	1940557156
SNP_P1_267243_64	NW_004520406.1	Scaffold6842	64	GG	TT	1940557158
SNP_P1_267244_107	NW_004520406.1	Scaffold6842	107	AA	TT	1940557160
SNP_P1_267245_109	NW_004520406.1	Scaffold6842	109	TT	GG	1940557162

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267248_1254	NW_004520406.1	Scaffold6842	1254	GG	AA	1940557166
SNP_P1_267249_1775	NW_004520406.1	Scaffold6842	1775	CC	AA	1940557168
SNP_P1_267250_1808	NW_004520406.1	Scaffold6842	1808	AA	CC	1940557171
SNP_P1_267251_1821	NW_004520406.1	Scaffold6842	1821	CC	TT	1940557173
SNP_P1_267253_1885	NW_004520406.1	Scaffold6842	1885	TT	AA	1940557175
SNP_P1_267254_1353	NW_004520407.1	Scaffold6843	1353	AA	GG	1940557177
SNP_P1_267255_371	NW_004520408.1	Scaffold6845	371	CC	TT	1940557179
SNP_P1_267256_383	NW_004520408.1	Scaffold6845	383	AA	GG	1940557181
SNP_P1_267257_384	NW_004520408.1	Scaffold6845	384	TT	CC	1940557183
SNP_P1_267258_434	NW_004520408.1	Scaffold6845	434	GG	CC	1940557185
SNP_P1_267259_513	NW_004520408.1	Scaffold6845	513	AA	CC	1940557187
SNP_P1_267260_702	NW_004520408.1	Scaffold6845	702	CC	AA	1940557189
SNP_P1_267261_737	NW_004520408.1	Scaffold6845	737	AA	TT	1940557191
SNP_P1_267262_873	NW_004520408.1	Scaffold6845	873	TT	GG	1940557193
SNP_P1_267263_1005	NW_004520408.1	Scaffold6845	1005	AA	TT	1940557195
SNP_P1_267264_1072	NW_004520408.1	Scaffold6845	1072	GG	TT	1940557197
SNP_P1_267265_1077	NW_004520408.1	Scaffold6845	1077	GG	AA	1940557200
SNP_P1_267266_1257	NW_004520408.1	Scaffold6845	1257	AA	CC	1940557202
SNP_P1_267267_1262	NW_004520408.1	Scaffold6845	1262	AA	TT	1940557204
SNP_P1_267269_1382	NW_004520408.1	Scaffold6845	1382	GG	TT	1940557206
SNP_P1_267271_537	NW_004520409.1	Scaffold6846	537	AA	TT	1940557208
SNP_P1_267272_606	NW_004520409.1	Scaffold6846	606	CC	AA	1940557210
SNP_P1_267273_627	NW_004520409.1	Scaffold6846	627	CC	AA	1940557212
SNP_P1_267274_701	NW_004520409.1	Scaffold6846	701	TT	AA	1940557214
SNP_P1_267275_724	NW_004520409.1	Scaffold6846	724	TT	AA	1940557216
SNP_P1_267276_730	NW_004520409.1	Scaffold6846	730	TT	GG	1940557218
SNP_P1_267277_747	NW_004520409.1	Scaffold6846	747	AA	GG	1940557220
SNP_P1_267278_826	NW_004520409.1	Scaffold6846	826	CC	TT	1940557223
SNP_P1_267279_827	NW_004520409.1	Scaffold6846	827	AA	CC	1940557225
SNP_P1_267280_828	NW_004520409.1	Scaffold6846	828	TT	AA	1940557227
SNP_P1_267281_895	NW_004520409.1	Scaffold6846	895	TT	CC	1940557229
SNP_P1_267282_918	NW_004520409.1	Scaffold6846	918	CC	GG	1940557231
SNP_P1_267283_923	NW_004520409.1	Scaffold6846	923	CC	AA	1940557233
SNP_P1_267284_953	NW_004520409.1	Scaffold6846	953	GG	TT	1940557235
SNP_P1_267285_959	NW_004520409.1	Scaffold6846	959	AA	GG	1940557237
SNP_P1_267286_1027	NW_004520409.1	Scaffold6846	1027	CC	TT	1940557239
SNP_P1_267287_1407	NW_004520409.1	Scaffold6846	1407	AA	GG	1940557241
SNP_P1_267288_1568	NW_004520409.1	Scaffold6846	1568	CC	GG	1940557244
SNP_P1_267289_1628	NW_004520409.1	Scaffold6846	1628	AA	CC	1940557246
SNP_P1_267290_1679	NW_004520409.1	Scaffold6846	1679	CC	TT	1940557248
SNP_P1_267291_1764	NW_004520409.1	Scaffold6846	1764	CC	TT	1940557250

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SNP_P1_267293_2368	NW_004520409.1	Scaffold6846	2368	TT	AA	1940557254
SNP_P1_267294_2369	NW_004520409.1	Scaffold6846	2369	GG	TT	1940557256
SNP_P1_267295_2431	NW_004520409.1	Scaffold6846	2431	CC	AA	1940557258
SNP_P1_267296_2718	NW_004520409.1	Scaffold6846	2718	AA	TT	1940557260
SNP_P1_267297_64	NW_004520411.1	Scaffold6851	64	GG	TT	1940557262
SNP_P1_267298_79	NW_004520411.1	Scaffold6851	79	TT	CC	1940557264
SNP_P1_267299_128	NW_004520411.1	Scaffold6851	128	AA	GG	1940557267
SNP_P1_267300_150	NW_004520411.1	Scaffold6851	150	TT	CC	1940557269
SNP_P1_267301_186	NW_004520411.1	Scaffold6851	186	AA	GG	1940557271
SNP_P1_267302_381	NW_004520411.1	Scaffold6851	381	AA	TT	1940557273
SNP_P1_267303_398	NW_004520411.1	Scaffold6851	398	AA	CC	1940557275
SNP_P1_267304_443	NW_004520411.1	Scaffold6851	443	AA	GG	1940557277
SNP_P1_267305_448	NW_004520411.1	Scaffold6851	448	AA	TT	1940557279
SNP_P1_267306_467	NW_004520411.1	Scaffold6851	467	GG	CC	1940557281
SNP_P1_267307_516	NW_004520411.1	Scaffold6851	516	TT	CC	1940557283
SNP_P1_267308_593	NW_004520411.1	Scaffold6851	593	AA	TT	1940557285
SNP_P1_267309_743	NW_004520411.1	Scaffold6851	743	TT	CC	1940557287
SNP_P1_267310_1519	NW_004520411.1	Scaffold6851	1519	CC	GG	1940557290
SNP_P1_267311_1535	NW_004520411.1	Scaffold6851	1535	TT	GG	1940557292
SNP_P1_267312_1572	NW_004520411.1	Scaffold6851	1572	GG	CC	1940557294
SNP_P1_267313_1604	NW_004520411.1	Scaffold6851	1604	AA	CC	1940557296
SNP_P1_267314_391	NW_004520412.1	Scaffold6852	391	GG	CC	1940557298
SNP_P1_267315_586	NW_004520412.1	Scaffold6852	586	CC	AA	1940557300
SNP_P1_267316_704	NW_004520412.1	Scaffold6852	704	CC	GG	1940557302
SNP_P1_267317_1424	NW_004520413.1	Scaffold6853	1424	GG	AA	1940557304
SNP_P1_267318_123	NW_004520414.1	Scaffold6854	123	TT	AA	1940557306
SNP_P1_267319_268	NW_004520414.1	Scaffold6854	268	CC	TT	1940557308
SNP_P1_267320_342	NW_004520414.1	Scaffold6854	342	CC	TT	1940557311
SNP_P1_267321_522	NW_004520414.1	Scaffold6854	522	AA	GG	1940557313
SNP_P1_267322_573	NW_004520414.1	Scaffold6854	573	TT	CC	1940557315
SNP_P1_267323_589	NW_004520414.1	Scaffold6854	589	CC	TT	1940557317
SNP_P1_267324_629	NW_004520414.1	Scaffold6854	629	AA	TT	1940557319
SNP_P1_267325_698	NW_004520414.1	Scaffold6854	698	CC	AA	1940557321
SNP_P1_267326_704	NW_004520414.1	Scaffold6854	704	AA	TT	1940557323
SNP_P1_267327_720	NW_004520414.1	Scaffold6854	720	TT	AA	1940557325
SNP_P1_267328_900	NW_004520414.1	Scaffold6854	900	TT	GG	1940557327
SNP_P1_267329_962	NW_004520414.1	Scaffold6854	962	AA	GG	1940557329
SNP_P1_267330_989	NW_004520414.1	Scaffold6854	989	CC	TT	1940557332
SNP_P1_267331_1008	NW_004520414.1	Scaffold6854	1008	GG	AA	1940557334
SNP_P1_267332_1014	NW_004520414.1	Scaffold6854	1014	AA	TT	1940557336
SNP_P1_267333_478	NW_004520421.1	Scaffold6867	478	TT	AA	1940557338

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SNP_P1_267335_729	NW_004520421.1	Scaffold6867	729	CC	TT	1940557342
SNP_P1_267336_853	NW_004520422.1	Scaffold6868	853	AA	CC	1940557344
SNP_P1_267337_859	NW_004520422.1	Scaffold6868	859	AA	GG	1940557346
SNP_P1_267338_900	NW_004520422.1	Scaffold6868	900	TT	CC	1940557348
SNP_P1_267339_1160	NW_004520422.1	Scaffold6868	1160	TT	CC	1940557350
SNP_P1_267340_346	NW_004520423.1	Scaffold6869	346	AA	GG	1940557352
SNP_P1_267341_539	NW_004520423.1	Scaffold6869	539	CC	GG	1940557355
SNP_P1_267342_542	NW_004520423.1	Scaffold6869	542	TT	CC	1940557357
SNP_P1_267343_602	NW_004520423.1	Scaffold6869	602	AA	CC	1940557359
SNP_P1_267344_813	NW_004520423.1	Scaffold6869	813	TT	CC	1940557361
SNP_P1_267345_1305	NW_004520423.1	Scaffold6869	1305	GG	AA	1940557363
SNP_P1_267346_983	NW_004520425.1	Scaffold6873	983	CC	AA	1940557365
SNP_P1_267347_1028	NW_004520425.1	Scaffold6873	1028	CC	GG	1940557367
SNP_P1_267348_1113	NW_004520425.1	Scaffold6873	1113	CC	GG	1940557369
SNP_P1_267349_1242	NW_004520425.1	Scaffold6873	1242	GG	TT	1940557371
SNP_P1_267350_1291	NW_004520425.1	Scaffold6873	1291	AA	GG	1940557373
SNP_P1_267351_1436	NW_004520425.1	Scaffold6873	1436	AA	CC	1940557376
SNP_P1_267353_1466	NW_004520425.1	Scaffold6873	1466	TT	CC	1940557378
SNP_P1_267354_1541	NW_004520425.1	Scaffold6873	1541	TT	CC	1940557380
SNP_P1_267355_1274	NW_004520426.1	Scaffold6874	1274	CC	TT	1940557382
SNP_P1_267356_1554	NW_004520427.1	Scaffold6876	1554	TT	CC	1940557384
SNP_P1_267357_1710	NW_004520427.1	Scaffold6876	1710	GG	TT	1940557386
SNP_P1_267358_1750	NW_004520427.1	Scaffold6876	1750	TT	AA	1940557388
SNP_P1_267359_1765	NW_004520427.1	Scaffold6876	1765	GG	AA	1940557390
SNP_P1_267360_1874	NW_004520427.1	Scaffold6876	1874	GG	TT	1940557392
SNP_P1_267361_1884	NW_004520427.1	Scaffold6876	1884	CC	AA	1940557394
SNP_P1_267362_1891	NW_004520427.1	Scaffold6876	1891	GG	AA	1940557396
SNP_P1_267363_1896	NW_004520427.1	Scaffold6876	1896	TT	CC	1940557399
SNP_P1_267364_1906	NW_004520427.1	Scaffold6876	1906	AA	GG	1940557401
SNP_P1_267365_1951	NW_004520427.1	Scaffold6876	1951	CC	AA	1940557403
SNP_P1_267366_1965	NW_004520427.1	Scaffold6876	1965	CC	AA	1940557405
SNP_P1_267367_1975	NW_004520427.1	Scaffold6876	1975	GG	AA	1940557407
SNP_P1_267368_2039	NW_004520427.1	Scaffold6876	2039	CC	TT	1940557409
SNP_P1_267369_2051	NW_004520427.1	Scaffold6876	2051	CC	TT	1940557411
SNP_P1_267370_2124	NW_004520427.1	Scaffold6876	2124	TT	CC	1940557413
SNP_P1_267371_2126	NW_004520427.1	Scaffold6876	2126	GG	AA	1940557415
SNP_P1_267372_2127	NW_004520427.1	Scaffold6876	2127	CC	AA	1940557417
SNP_P1_267373_2163	NW_004520427.1	Scaffold6876	2163	TT	CC	1940557420
SNP_P1_267374_2164	NW_004520427.1	Scaffold6876	2164	CC	TT	1940557422
SNP_P1_267375_2242	NW_004520427.1	Scaffold6876	2242	GG	AA	1940557424
SNP_P1_267376_2259	NW_004520427.1	Scaffold6876	2259	CC	AA	1940557426

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267378_2546	NW_004520427.1	Scaffold6876	2546	AA	GG	1940557430
SNP_P1_267379_350	NW_004520428.1	Scaffold6877	350	TT	AA	1940557432
SNP_P1_267380_437	NW_004520429.1	Scaffold6878	437	AA	CC	1940557434
SNP_P1_267381_811	NW_004520429.1	Scaffold6878	811	AA	GG	1940557436
SNP_P1_267383_1123	NW_004520430.1	Scaffold6879	1123	TT	CC	1940557438
SNP_P1_267384_1173	NW_004520430.1	Scaffold6879	1173	GG	AA	1940557440
SNP_P1_267385_1368	NW_004520430.1	Scaffold6879	1368	GG	TT	1940557443
SNP_P1_267386_1382	NW_004520430.1	Scaffold6879	1382	TT	CC	1940557445
SNP_P1_267387_1656	NW_004520430.1	Scaffold6879	1656	CC	AA	1940557447
SNP_P1_267388_1658	NW_004520430.1	Scaffold6879	1658	CC	GG	1940557449
SNP_P1_267389_1667	NW_004520430.1	Scaffold6879	1667	AA	GG	1940557451
SNP_P1_267390_1668	NW_004520430.1	Scaffold6879	1668	AA	TT	1940557453
SNP_P1_267391_1813	NW_004520430.1	Scaffold6879	1813	CC	TT	1940557455
SNP_P1_267392_1821	NW_004520430.1	Scaffold6879	1821	CC	TT	1940557457
SNP_P1_267393_1844	NW_004520430.1	Scaffold6879	1844	GG	TT	1940557459
SNP_P1_267394_1896	NW_004520430.1	Scaffold6879	1896	CC	AA	1940557461
SNP_P1_267395_2103	NW_004520430.1	Scaffold6879	2103	TT	AA	1940557464
SNP_P1_267396_2140	NW_004520430.1	Scaffold6879	2140	AA	TT	1940557466
SNP_P1_267397_40	NW_004520431.1	Scaffold6882	40	CC	GG	1940557468
SNP_P1_267398_64	NW_004520431.1	Scaffold6882	64	GG	AA	1940557470
SNP_P1_267399_115	NW_004520431.1	Scaffold6882	115	GG	AA	1940557472
SNP_P1_267400_204	NW_004520431.1	Scaffold6882	204	CC	GG	1940557474
SNP_P1_267401_396	NW_004520431.1	Scaffold6882	396	AA	GG	1940557476
SNP_P1_267403_1183	NW_004520438.1	Scaffold6895	1183	AA	GG	1940557478
SNP_P1_267404_1269	NW_004520438.1	Scaffold6895	1269	AA	GG	1940557480
SNP_P1_267405_1298	NW_004520438.1	Scaffold6895	1298	AA	CC	1940557482
SNP_P1_267406_1036	NW_004520439.1	Scaffold6896	1036	TT	CC	1940557484
SNP_P1_267407_1342	NW_004520439.1	Scaffold6896	1342	CC	AA	1940557487
SNP_P1_267408_1405	NW_004520439.1	Scaffold6896	1405	CC	TT	1940557489
SNP_P1_267409_1450	NW_004520439.1	Scaffold6896	1450	CC	AA	1940557491
SNP_P1_267410_1680	NW_004520439.1	Scaffold6896	1680	CC	GG	1940557493
SNP_P1_267411_1804	NW_004520439.1	Scaffold6896	1804	CC	TT	1940557495
SNP_P1_267412_1819	NW_004520439.1	Scaffold6896	1819	GG	TT	1940557497
SNP_P1_267413_1902	NW_004520439.1	Scaffold6896	1902	CC	TT	1940557499
SNP_P1_267414_2062	NW_004520439.1	Scaffold6896	2062	AA	TT	1940557501
SNP_P1_267415_2235	NW_004520439.1	Scaffold6896	2235	CC	TT	1940557503
SNP_P1_267416_2287	NW_004520439.1	Scaffold6896	2287	CC	GG	1940557505
SNP_P1_267417_2311	NW_004520439.1	Scaffold6896	2311	AA	GG	1940557508
SNP_P1_267418_2312	NW_004520439.1	Scaffold6896	2312	TT	GG	1940557510
SNP_P1_267419_449	NW_004520442.1	Scaffold6900	449	CC	TT	1940557512
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267422_4934	NW_004520444.1	Scaffold6903	4934	GG	AA	1940557518
SNP_P1_267424_5443	NW_004520444.1	Scaffold6903	5443	CC	AA	1940557520
SNP_P1_267425_5487	NW_004520444.1	Scaffold6903	5487	TT	CC	1940557522
SNP_P1_267426_6161	NW_004520444.1	Scaffold6903	6161	TT	AA	1940557524
SNP_P1_267428_17457	NW_004520444.1	Scaffold6903	17457	CC	GG	1940557526
SNP_P1_267429_27867	NW_004520444.1	Scaffold6903	27867	CC	TT	1940557529
SNP_P1_267430_64	NW_004520449.1	Scaffold6913	64	AA	TT	1940557531
SNP_P1_267431_848	NW_004520451.1	Scaffold6915	848	GG	TT	1940557533
SNP_P1_267432_309	NW_004520454.1	Scaffold6919	309	GG	TT	1940557535
SNP_P1_267433_381	NW_004520454.1	Scaffold6919	381	CC	GG	1940557537
SNP_P1_267434_464	NW_004520454.1	Scaffold6919	464	AA	GG	1940557539
SNP_P1_267435_692	NW_004520454.1	Scaffold6919	692	GG	AA	1940557541
SNP_P1_267436_700	NW_004520454.1	Scaffold6919	700	AA	GG	1940557543
SNP_P1_267437_710	NW_004520454.1	Scaffold6919	710	TT	CC	1940557545
SNP_P1_267438_2730	NW_004520456.1	Scaffold6923	2730	GG	TT	1940557547
SNP_P1_267439_2927	NW_004520456.1	Scaffold6923	2927	GG	CC	1940557550
SNP_P1_267440_3077	NW_004520456.1	Scaffold6923	3077	CC	AA	1940557552
SNP_P1_267441_3119	NW_004520456.1	Scaffold6923	3119	TT	GG	1940557554
SNP_P1_267442_3120	NW_004520456.1	Scaffold6923	3120	GG	TT	1940557556
SNP_P1_267443_3238	NW_004520456.1	Scaffold6923	3238	TT	CC	1940557558
SNP_P1_267444_3276	NW_004520456.1	Scaffold6923	3276	AA	GG	1940557560
SNP_P1_267445_351	NW_004520457.1	Scaffold6924	351	CC	TT	1940557562
SNP_P1_267446_2257	NW_004520458.1	Scaffold6925	2257	TT	GG	1940557564
SNP_P1_267447_419	NW_004520459.1	Scaffold6926	419	GG	TT	1940557566
SNP_P1_267448_546	NW_004520459.1	Scaffold6926	546	CC	AA	1940557568
SNP_P1_267449_736	NW_004520459.1	Scaffold6926	736	TT	GG	1940557570
SNP_P1_267450_747	NW_004520459.1	Scaffold6926	747	GG	CC	1940557573
SNP_P1_267451_751	NW_004520459.1	Scaffold6926	751	CC	TT	1940557575
SNP_P1_267452_756	NW_004520459.1	Scaffold6926	756	AA	CC	1940557577
SNP_P1_267453_765	NW_004520459.1	Scaffold6926	765	AA	TT	1940557579
SNP_P1_267454_774	NW_004520459.1	Scaffold6926	774	AA	CC	1940557581
SNP_P1_267455_1368	NW_004520460.1	Scaffold6927	1368	CC	TT	1940557583
SNP_P1_267456_1376	NW_004520460.1	Scaffold6927	1376	TT	AA	1940557585
SNP_P1_267457_2489	NW_004520460.1	Scaffold6927	2489	CC	GG	1940557587
SNP_P1_267458_2550	NW_004520460.1	Scaffold6927	2550	AA	TT	1940557589
SNP_P1_267459_2650	NW_004520460.1	Scaffold6927	2650	CC	TT	1940557591
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SNP_P1_267461_689	NW_004520462.1	Scaffold6932	689	AA	GG	1940557596
SNP_P1_267462_692	NW_004520462.1	Scaffold6932	692	AA	TT	1940557598
SNP_P1_267463_701	NW_004520462.1	Scaffold6932	701	TT	GG	1940557600
SNP_P1_267464_1032	NW_004520462.1	Scaffold6932	1032	CC	TT	1940557602

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267467_1916	NW_004520464.1	Scaffold6934	1916	AA	GG	1940557608
SNP_P1_267468_2096	NW_004520464.1	Scaffold6934	2096	CC	AA	1940557610
SNP_P1_267469_2296	NW_004520464.1	Scaffold6934	2296	GG	AA	1940557612
SNP_P1_267470_2523	NW_004520464.1	Scaffold6934	2523	AA	GG	1940557615
SNP_P1_267471_2564	NW_004520464.1	Scaffold6934	2564	AA	TT	1940557617
SNP_P1_267472_2611	NW_004520464.1	Scaffold6934	2611	AA	GG	1940557619
SNP_P1_267473_4137	NW_004520464.1	Scaffold6934	4137	CC	GG	1940557621
SNP_P1_267474_4448	NW_004520464.1	Scaffold6934	4448	CC	AA	1940557623
SNP_P1_267475_4665	NW_004520464.1	Scaffold6934	4665	TT	GG	1940557625
SNP_P1_267477_175	NW_004520465.1	Scaffold6938	175	GG	AA	1940557627
SNP_P1_267478_202	NW_004520465.1	Scaffold6938	202	CC	TT	1940557629
SNP_P1_267479_235	NW_004520465.1	Scaffold6938	235	AA	CC	1940557631
SNP_P1_267480_241	NW_004520465.1	Scaffold6938	241	AA	GG	1940557633
SNP_P1_267481_464	NW_004520465.1	Scaffold6938	464	CC	TT	1940557635
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SNP_P1_267485_1181	NW_004520466.1	Scaffold6939	1181	AA	GG	1940557642
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SNP_P1_267488_71	NW_004520468.1	Scaffold6941	71	AA	GG	1940557648
SNP_P1_267489_126	NW_004520468.1	Scaffold6941	126	TT	CC	1940557650
SNP_P1_267490_189	NW_004520468.1	Scaffold6941	189	CC	AA	1940557652
SNP_P1_267491_195	NW_004520468.1	Scaffold6941	195	GG	AA	1940557654
SNP_P1_267492_213	NW_004520468.1	Scaffold6941	213	TT	CC	1940557656
SNP_P1_267493_246	NW_004520468.1	Scaffold6941	246	CC	TT	1940557659
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SNP_P1_267498_455	NW_004520468.1	Scaffold6941	455	TT	GG	1940557669
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SNP_P1_267500_205	NW_004520470.1	Scaffold6943	205	GG	AA	1940557673
SNP_P1_267501_1172	NW_004520474.1	Scaffold6947	1172	AA	GG	1940557675
SNP_P1_267502_449	NW_004520475.1	Scaffold6949	449	AA	TT	1940557677
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SNP_P1_267504_6534	NW_004520477.1	Scaffold6951	6534	CC	AA	1940557682
SNP_P1_267505_591	NW_004520479.1	Scaffold6956	591	AA	GG	1940557684
SNP_P1_267506_14563	NW_004520483.1	Scaffold6961	14563	CC	TT	1940557686
SNP_P1_267507_14770	NW_004520483.1	Scaffold6961	14770	AA	CC	1940557688
SNP_P1_267508_83	NW_004520484.1	Scaffold6963	83	CC	TT	1940557690

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267510_494	NW_004520484.1	Scaffold6963	494	CC	GG	1940557694
SNP_P1_267511_656	NW_004520484.1	Scaffold6963	656	GG	TT	1940557696
SNP_P1_267512_245	NW_004520486.1	Scaffold6965	245	AA	CC	1940557698
SNP_P1_267513_1397	NW_004520487.1	Scaffold6968	1397	GG	TT	1940557701
SNP_P1_267514_1414	NW_004520487.1	Scaffold6968	1414	CC	TT	1940557703
SNP_P1_267515_1417	NW_004520487.1	Scaffold6968	1417	TT	AA	1940557705
SNP_P1_267516_1889	NW_004520487.1	Scaffold6968	1889	TT	CC	1940557707
SNP_P1_267517_1925	NW_004520487.1	Scaffold6968	1925	GG	TT	1940557709
SNP_P1_267518_432	NW_004520491.1	Scaffold6975	432	TT	GG	1940557711
SNP_P1_267519_433	NW_004520491.1	Scaffold6975	433	GG	TT	1940557713
SNP_P1_267520_673	NW_004520496.1	Scaffold6980	673	GG	AA	1940557715
SNP_P1_267521_1121	NW_004520496.1	Scaffold6980	1121	AA	GG	1940557717
SNP_P1_267522_8671	NW_004520496.1	Scaffold6980	8671	TT	CC	1940557719
SNP_P1_267523_9863	NW_004520496.1	Scaffold6980	9863	CC	AA	1940557721
SNP_P1_267525_22237	NW_004520496.1	Scaffold6980	22237	AA	CC	1940557724
SNP_P1_267526_27112	NW_004520496.1	Scaffold6980	27112	TT	AA	1940557726
SNP_P1_267527_27113	NW_004520496.1	Scaffold6980	27113	GG	AA	1940557728
SNP_P1_267528_27149	NW_004520496.1	Scaffold6980	27149	GG	TT	1940557730
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SNP_P1_267532_69626	NW_004520496.1	Scaffold6980	69626	AA	GG	1940557738
SNP_P1_267533_70066	NW_004520496.1	Scaffold6980	70066	TT	GG	1940557740
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SNP_P1_267536_73143	NW_004520496.1	Scaffold6980	73143	TT	AA	1940557747
SNP_P1_267537_73147	NW_004520496.1	Scaffold6980	73147	CC	GG	1940557749
SNP_P1_267538_1230	NW_004520499.1	Scaffold6985	1230	TT	AA	1940557751
SNP_P1_267539_1251	NW_004520499.1	Scaffold6985	1251	AA	GG	1940557753
SNP_P1_267540_587	NW_004520504.1	Scaffold6995	587	AA	TT	1940557755
SNP_P1_267542_883	NW_004520504.1	Scaffold6995	883	GG	TT	1940557757
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SNP_P1_267544_992	NW_004520504.1	Scaffold6995	992	GG	CC	1940557761
SNP_P1_267545_1417	NW_004520506.1	Scaffold6999	1417	CC	TT	1940557763
SNP_P1_267546_943	NW_004520511.1	Scaffold7007	943	AA	GG	1940557766
SNP_P1_267547_49	NW_004520513.1	Scaffold7010	49	AA	CC	1940557768
SNP_P1_267549_105	NW_004520513.1	Scaffold7010	105	AA	CC	1940557770
SNP_P1_267550_320	NW_004520513.1	Scaffold7010	320	TT	CC	1940557772
SNP_P1_267551_487	NW_004520513.1	Scaffold7010	487	TT	CC	1940557774
SNP_P1_267552_596	NW_004520513.1	Scaffold7010	596	GG	AA	1940557776
SNP_P1_267553_613	NW_004520513.1	Scaffold7010	613	AA	CC	1940557778

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267555_1690	NW_004520513.1	Scaffold7010	1690	TT	AA	1940557782
SNP_P1_267556_304	NW_004520517.1	Scaffold7017	304	TT	CC	1940557784
SNP_P1_267557_181	NW_004520518.1	Scaffold7021	181	AA	CC	1940557786
SNP_P1_267558_814	NW_004520518.1	Scaffold7021	814	TT	CC	1940557789
SNP_P1_267559_844	NW_004520518.1	Scaffold7021	844	AA	TT	1940557791
SNP_P1_267560_849	NW_004520518.1	Scaffold7021	849	TT	CC	1940557793
SNP_P1_267561_913	NW_004520518.1	Scaffold7021	913	CC	AA	1940557795
SNP_P1_267563_514	NW_004520520.1	Scaffold7024	514	CC	GG	1940557797
SNP_P1_267564_766	NW_004520520.1	Scaffold7024	766	CC	AA	1940557799
SNP_P1_267565_767	NW_004520520.1	Scaffold7024	767	CC	TT	1940557801
SNP_P1_267566_1552	NW_004520521.1	Scaffold7033	1552	AA	TT	1940557803
SNP_P1_267567_1554	NW_004520521.1	Scaffold7033	1554	TT	GG	1940557805
SNP_P1_267568_266	NW_004520522.1	Scaffold7034	266	TT	CC	1940557807
SNP_P1_267569_517	NW_004520522.1	Scaffold7034	517	CC	GG	1940557810
SNP_P1_267570_608	NW_004520522.1	Scaffold7034	608	TT	CC	1940557812
SNP_P1_267572_704	NW_004520524.1	Scaffold7036	704	TT	CC	1940557814
SNP_P1_267574_28	NW_004520528.1	Scaffold7041	28	GG	AA	1940557816
SNP_P1_267575_35	NW_004520528.1	Scaffold7041	35	AA	GG	1940557818
SNP_P1_267576_64	NW_004520528.1	Scaffold7041	64	TT	AA	1940557820
SNP_P1_267577_65	NW_004520528.1	Scaffold7041	65	TT	GG	1940557822
SNP_P1_267578_79	NW_004520528.1	Scaffold7041	79	TT	CC	1940557824
SNP_P1_267579_95	NW_004520528.1	Scaffold7041	95	AA	GG	1940557826
SNP_P1_267580_160	NW_004520528.1	Scaffold7041	160	AA	TT	1940557828
SNP_P1_267581_166	NW_004520528.1	Scaffold7041	166	TT	GG	1940557831
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SNP_P1_267584_186	NW_004520528.1	Scaffold7041	186	GG	AA	1940557837
SNP_P1_267585_479	NW_004520528.1	Scaffold7041	479	TT	CC	1940557839
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SNP_P1_267591_1064	NW_004520528.1	Scaffold7041	1064	GG	TT	1940557851
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SNP_P1_267596_652	NW_004520535.1	Scaffold7055	652	TT	AA	1940557858
SNP_P1_267597_674	NW_004520535.1	Scaffold7055	674	TT	GG	1940557860
SNP_P1_267598_707	NW_004520535.1	Scaffold7055	707	TT	GG	1940557862
SNP_P1_267599_797	NW_004520535.1	Scaffold7055	797	CC	TT	1940557864
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267604_1288	NW_004520536.1	Scaffold7058	1288	AA	GG	1940557874
SNP_P1_267605_440	NW_004520537.1	Scaffold7059	440	CC	TT	1940557877
SNP_P1_267606_662	NW_004520537.1	Scaffold7059	662	GG	AA	1940557879
SNP_P1_267607_794	NW_004520537.1	Scaffold7059	794	TT	GG	1940557881
SNP_P1_267608_805	NW_004520537.1	Scaffold7059	805	GG	AA	1940557883
SNP_P1_267609_808	NW_004520537.1	Scaffold7059	808	TT	GG	1940557885
SNP_P1_267610_1052	NW_004520537.1	Scaffold7059	1052	GG	AA	1940557887
SNP_P1_267611_1070	NW_004520537.1	Scaffold7059	1070	GG	AA	1940557889
SNP_P1_267612_1288	NW_004520537.1	Scaffold7059	1288	GG	AA	1940557891
SNP_P1_267613_1323	NW_004520537.1	Scaffold7059	1323	AA	GG	1940557893
SNP_P1_267614_256	NW_004520538.1	Scaffold7060	256	AA	GG	1940557895
SNP_P1_267615_277	NW_004520538.1	Scaffold7060	277	TT	CC	1940557898
SNP_P1_267617_416	NW_004520538.1	Scaffold7060	416	AA	GG	1940557900
SNP_P1_267618_539	NW_004520538.1	Scaffold7060	539	AA	CC	1940557902
SNP_P1_267619_545	NW_004520538.1	Scaffold7060	545	AA	GG	1940557904
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SNP_P1_267622_610	NW_004520538.1	Scaffold7060	610	GG	AA	1940557910
SNP_P1_267623_931	NW_004520538.1	Scaffold7060	931	GG	CC	1940557912
SNP_P1_267624_213	NW_004520539.1	Scaffold7063	213	CC	GG	1940557914
SNP_P1_267625_932	NW_004520540.1	Scaffold7067	932	CC	AA	1940557916
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SNP_P1_267630_952	NW_004520540.1	Scaffold7067	952	GG	AA	1940557925
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SNP_P1_267632_634	NW_004520545.1	Scaffold7075	634	TT	AA	1940557929
SNP_P1_267633_688	NW_004520545.1	Scaffold7075	688	GG	AA	1940557931
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SNP_P1_267636_2331	NW_004520548.1	Scaffold7081	2331	GG	TT	1940557937
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SNP_P1_267642_2473	NW_004520548.1	Scaffold7081	2473	TT	AA	1940557948
SNP_P1_267643_2542	NW_004520548.1	Scaffold7081	2542	CC	TT	1940557950
SNP_P1_267645_2567	NW_004520548.1	Scaffold7081	2567	AA	GG	1940557952
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267649_2720	NW_004520548.1	Scaffold7081	2720	TT	GG	1940557960
SNP_P1_267651_8889	NW_004520548.1	Scaffold7081	8889	GG	AA	1940557962
SNP_P1_267652_359	NW_004520549.1	Scaffold7082	359	TT	CC	1940557964
SNP_P1_267653_391	NW_004520549.1	Scaffold7082	391	TT	AA	1940557966
SNP_P1_267654_415	NW_004520549.1	Scaffold7082	415	TT	CC	1940557968
SNP_P1_267655_464	NW_004520549.1	Scaffold7082	464	CC	TT	1940557971
SNP_P1_267656_512	NW_004520549.1	Scaffold7082	512	AA	CC	1940557973
SNP_P1_267657_581	NW_004520549.1	Scaffold7082	581	TT	CC	1940557975
SNP_P1_267658_673	NW_004520549.1	Scaffold7082	673	AA	GG	1940557977
SNP_P1_267659_734	NW_004520549.1	Scaffold7082	734	AA	CC	1940557979
SNP_P1_267660_775	NW_004520549.1	Scaffold7082	775	GG	AA	1940557981
SNP_P1_267661_807	NW_004520549.1	Scaffold7082	807	AA	GG	1940557983
SNP_P1_267662_823	NW_004520549.1	Scaffold7082	823	AA	CC	1940557985
SNP_P1_267664_439	NW_004520551.1	Scaffold7085	439	AA	CC	1940557987
SNP_P1_267665_1929	NW_004520554.1	Scaffold7090	1929	AA	GG	1940557989
SNP_P1_267666_1951	NW_004520554.1	Scaffold7090	1951	TT	CC	1940557992
SNP_P1_267667_2199	NW_004520554.1	Scaffold7090	2199	GG	AA	1940557994
SNP_P1_267668_2229	NW_004520554.1	Scaffold7090	2229	GG	AA	1940557996
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SNP_P1_267671_1022	NW_004520555.1	Scaffold7091	1022	TT	CC	1940558002
SNP_P1_267672_1143	NW_004520555.1	Scaffold7091	1143	TT	CC	1940558004
SNP_P1_267673_1184	NW_004520555.1	Scaffold7091	1184	GG	AA	1940558006
SNP_P1_267674_1185	NW_004520555.1	Scaffold7091	1185	AA	TT	1940558008
SNP_P1_267675_1242	NW_004520555.1	Scaffold7091	1242	AA	GG	1940558010
SNP_P1_267676_1271	NW_004520555.1	Scaffold7091	1271	GG	AA	1940558012
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SNP_P1_267679_1530	NW_004520555.1	Scaffold7091	1530	TT	GG	1940558019
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SNP_P1_267682_165	NW_004520558.1	Scaffold7095	165	TT	CC	1940558025
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SNP_P1_267684_645	NW_004520558.1	Scaffold7095	645	CC	TT	1940558029
SNP_P1_267685_647	NW_004520558.1	Scaffold7095	647	GG	AA	1940558031
SNP_P1_267686_4728	NW_004520558.1	Scaffold7095	4728	AA	CC	1940558033
SNP_P1_267687_5048	NW_004520558.1	Scaffold7095	5048	AA	CC	1940558036
SNP_P1_267688_5126	NW_004520558.1	Scaffold7095	5126	TT	GG	1940558038
SNP_P1_267689_5143	NW_004520558.1	Scaffold7095	5143	AA	GG	1940558040
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267692_5520	NW_004520558.1	Scaffold7095	5520	TT	CC	1940558046
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SNP_P1_267694_5602	NW_004520558.1	Scaffold7095	5602	GG	AA	1940558050
SNP_P1_267695_5605	NW_004520558.1	Scaffold7095	5605	GG	AA	1940558052
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SNP_P1_267697_5807	NW_004520558.1	Scaffold7095	5807	TT	CC	1940558057
SNP_P1_267698_5854	NW_004520558.1	Scaffold7095	5854	GG	AA	1940558059
SNP_P1_267699_64	NW_004520559.1	Scaffold7098	64	AA	GG	1940558061
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SNP_P1_267701_140	NW_004520559.1	Scaffold7098	140	CC	TT	1940558065
SNP_P1_267702_345	NW_004520559.1	Scaffold7098	345	AA	TT	1940558067
SNP_P1_267703_1796	NW_004520561.1	Scaffold7102	1796	TT	GG	1940558069
SNP_P1_267704_2089	NW_004520561.1	Scaffold7102	2089	TT	AA	1940558071
SNP_P1_267705_1017	NW_004520562.1	Scaffold7104	1017	TT	CC	1940558073
SNP_P1_267706_1041	NW_004520562.1	Scaffold7104	1041	CC	GG	1940558075
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SNP_P1_267716_12200	NW_004520565.1	Scaffold7107	12200	TT	CC	1940558092
SNP_P1_267717_12205	NW_004520565.1	Scaffold7107	12205	TT	CC	1940558094
SNP_P1_267718_12224	NW_004520565.1	Scaffold7107	12224	TT	CC	1940558096
SNP_P1_267719_12375	NW_004520565.1	Scaffold7107	12375	AA	TT	1940558098
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SNP_P1_267726_12697	NW_004520565.1	Scaffold7107	12697	TT	AA	1940558113
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SNP_P1_267734_13331	NW_004520565.1	Scaffold7107	13331	TT	AA	1940558127
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267739_14260	NW_004520565.1	Scaffold7107	14260	CC	TT	1940558138
SNP_P1_267740_14298	NW_004520565.1	Scaffold7107	14298	AA	CC	1940558140
SNP_P1_267741_14314	NW_004520565.1	Scaffold7107	14314	CC	AA	1940558142
SNP_P1_267744_14849	NW_004520565.1	Scaffold7107	14849	GG	TT	1940558144
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SNP_P1_267748_15557	NW_004520565.1	Scaffold7107	15557	GG	TT	1940558151
SNP_P1_267750_15669	NW_004520565.1	Scaffold7107	15669	AA	GG	1940558153
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SNP_P1_267753_16166	NW_004520565.1	Scaffold7107	16166	GG	AA	1940558157
SNP_P1_267754_16188	NW_004520565.1	Scaffold7107	16188	CC	TT	1940558159
SNP_P1_267755_16246	NW_004520565.1	Scaffold7107	16246	AA	TT	1940558161
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SNP_P1_267764_19591	NW_004520565.1	Scaffold7107	19591	CC	TT	1940558176
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SNP_P1_267766_19930	NW_004520565.1	Scaffold7107	19930	GG	CC	1940558180
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SNP_P1_267770_20374	NW_004520565.1	Scaffold7107	20374	CC	TT	1940558188
SNP_P1_267771_22161	NW_004520565.1	Scaffold7107	22161	TT	CC	1940558190
SNP_P1_267772_22707	NW_004520565.1	Scaffold7107	22707	TT	CC	1940558193
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SNP_P1_267775_1082	NW_004520566.1	Scaffold7108	1082	TT	GG	1940558199
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SNP_P1_267783_5490	NW_004520566.1	Scaffold7108	5490	TT	AA	1940558216
SNP_P1_267784_5535	NW_004520566.1	Scaffold7108	5535	CC	GG	1940558218

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267788_5691	NW_004520566.1	Scaffold7108	5691	CC	TT	1940558226
SNP_P1_267789_5757	NW_004520566.1	Scaffold7108	5757	GG	AA	1940558228
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SNP_P1_267791_5918	NW_004520566.1	Scaffold7108	5918	TT	GG	1940558232
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SNP_P1_267793_1281	NW_004520567.1	Scaffold7109	1281	AA	TT	1940558237
SNP_P1_267794_1749	NW_004520567.1	Scaffold7109	1749	GG	AA	1940558239
SNP_P1_267795_2632	NW_004520567.1	Scaffold7109	2632	AA	GG	1940558241
SNP_P1_267797_2699	NW_004520567.1	Scaffold7109	2699	TT	CC	1940558243
SNP_P1_267798_646	NW_004520569.1	Scaffold7111	646	AA	CC	1940558245
SNP_P1_267799_1182	NW_004520572.1	Scaffold7114	1182	GG	AA	1940558247
SNP_P1_267800_1215	NW_004520572.1	Scaffold7114	1215	TT	CC	1940558249
SNP_P1_267801_1247	NW_004520572.1	Scaffold7114	1247	TT	CC	1940558251
SNP_P1_267802_1259	NW_004520572.1	Scaffold7114	1259	TT	AA	1940558253
SNP_P1_267803_540	NW_004520579.1	Scaffold7127	540	TT	CC	1940558255
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SNP_P1_267805_1075	NW_004520582.1	Scaffold7131	1075	TT	CC	1940558260
SNP_P1_267806_1090	NW_004520582.1	Scaffold7131	1090	GG	AA	1940558262
SNP_P1_267807_741	NW_004520585.1	Scaffold7134	741	AA	CC	1940558264
SNP_P1_267809_1003	NW_004520585.1	Scaffold7134	1003	GG	AA	1940558266
SNP_P1_267810_457	NW_004520592.1	Scaffold7148	457	AA	GG	1940558268
SNP_P1_267811_493	NW_004520592.1	Scaffold7148	493	CC	AA	1940558270
SNP_P1_267812_534	NW_004520592.1	Scaffold7148	534	CC	TT	1940558272
SNP_P1_267813_981	NW_004520592.1	Scaffold7148	981	CC	AA	1940558274
SNP_P1_267814_1022	NW_004520592.1	Scaffold7148	1022	TT	CC	1940558276
SNP_P1_267815_2590	NW_004520592.1	Scaffold7148	2590	GG	CC	1940558278
SNP_P1_267816_2739	NW_004520592.1	Scaffold7148	2739	AA	GG	1940558281
SNP_P1_267817_2783	NW_004520592.1	Scaffold7148	2783	TT	CC	1940558283
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SNP_P1_267819_3232	NW_004520592.1	Scaffold7148	3232	CC	TT	1940558287
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SNP_P1_267823_3935	NW_004520592.1	Scaffold7148	3935	AA	GG	1940558295
SNP_P1_267824_3993	NW_004520592.1	Scaffold7148	3993	TT	GG	1940558297
SNP_P1_267825_4246	NW_004520592.1	Scaffold7148	4246	GG	AA	1940558299
SNP_P1_267826_4254	NW_004520592.1	Scaffold7148	4254	TT	CC	1940558302
SNP_P1_267827_7502	NW_004520592.1	Scaffold7148	7502	GG	AA	1940558304
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267831_833	NW_004520593.1	Scaffold7152	833	TT	GG	1940558312
SNP_P1_267832_898	NW_004520593.1	Scaffold7152	898	CC	AA	1940558314
SNP_P1_267833_1029	NW_004520593.1	Scaffold7152	1029	TT	CC	1940558316
SNP_P1_267834_343	NW_004520594.1	Scaffold7153	343	TT	GG	1940558318
SNP_P1_267836_582	NW_004520595.1	Scaffold7154	582	AA	GG	1940558320
SNP_P1_267837_2829	NW_004520595.1	Scaffold7154	2829	GG	TT	1940558322
SNP_P1_267838_7223	NW_004520595.1	Scaffold7154	7223	TT	CC	1940558325
SNP_P1_267839_7260	NW_004520595.1	Scaffold7154	7260	CC	GG	1940558327
SNP_P1_267840_7325	NW_004520595.1	Scaffold7154	7325	GG	AA	1940558329
SNP_P1_267841_7432	NW_004520595.1	Scaffold7154	7432	GG	AA	1940558331
SNP_P1_267842_7456	NW_004520595.1	Scaffold7154	7456	CC	AA	1940558333
SNP_P1_267843_7498	NW_004520595.1	Scaffold7154	7498	AA	GG	1940558335
SNP_P1_267844_7511	NW_004520595.1	Scaffold7154	7511	CC	TT	1940558337
SNP_P1_267845_7552	NW_004520595.1	Scaffold7154	7552	AA	GG	1940558339
SNP_P1_267846_7599	NW_004520595.1	Scaffold7154	7599	TT	AA	1940558341
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SNP_P1_267853_1134	NW_004520598.1	Scaffold7157	1134	TT	CC	1940558350
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SNP_P1_267867_63	NW_004520614.1	Scaffold7182	63	TT	CC	1940558375
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SNP_P1_267869_358	NW_004520615.1	Scaffold7183	358	GG	AA	1940558379
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SNP_P1_267871_646	NW_004520619.1	Scaffold7187	646	GG	CC	1940558383
SNP_P1_267872_801	NW_004520619.1	Scaffold7187	801	TT	GG	1940558385
SNP_P1_267873_976	NW_004520619.1	Scaffold7187	976	TT	GG	1940558387
SNP_P1_267874_991	NW_004520619.1	Scaffold7187	991	AA	TT	1940558390
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267879_560	NW_004520625.1	Scaffold7196	560	CC	TT	1940558400
SNP_P1_267880_612	NW_004520625.1	Scaffold7196	612	GG	AA	1940558402
SNP_P1_267882_732	NW_004520625.1	Scaffold7196	732	AA	CC	1940558404
SNP_P1_267884_889	NW_004520625.1	Scaffold7196	889	GG	TT	1940558406
SNP_P1_267885_2165	NW_004520625.1	Scaffold7196	2165	AA	GG	1940558408
SNP_P1_267886_2197	NW_004520625.1	Scaffold7196	2197	AA	GG	1940558410
SNP_P1_267887_4856	NW_004520627.1	Scaffold7199	4856	GG	AA	1940558413
SNP_P1_267888_64	NW_004520629.1	Scaffold7201	64	TT	AA	1940558415
SNP_P1_267889_80	NW_004520629.1	Scaffold7201	80	TT	GG	1940558417
SNP_P1_267890_963	NW_004520631.1	Scaffold7203	963	GG	AA	1940558419
SNP_P1_267891_968	NW_004520631.1	Scaffold7203	968	TT	AA	1940558421
SNP_P1_267892_1779	NW_004520633.1	Scaffold7208	1779	CC	AA	1940558423
SNP_P1_267893_1798	NW_004520633.1	Scaffold7208	1798	AA	GG	1940558425
SNP_P1_267894_1830	NW_004520633.1	Scaffold7208	1830	AA	CC	1940558427
SNP_P1_267895_1914	NW_004520634.1	Scaffold7210	1914	GG	TT	1940558429
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SNP_P1_267899_6956	NW_004520634.1	Scaffold7210	6956	TT	AA	1940558438
SNP_P1_267900_6974	NW_004520634.1	Scaffold7210	6974	GG	TT	1940558440
SNP_P1_267901_6997	NW_004520634.1	Scaffold7210	6997	TT	CC	1940558442
SNP_P1_267902_7032	NW_004520634.1	Scaffold7210	7032	AA	GG	1940558444
SNP_P1_267904_7209	NW_004520634.1	Scaffold7210	7209	AA	TT	1940558446
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SNP_P1_267911_131	NW_004520636.1	Scaffold7216	131	AA	CC	1940558459
SNP_P1_267912_148	NW_004520636.1	Scaffold7216	148	AA	GG	1940558461
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SNP_P1_267914_226	NW_004520636.1	Scaffold7216	226	TT	AA	1940558465
SNP_P1_267915_229	NW_004520636.1	Scaffold7216	229	AA	GG	1940558467
SNP_P1_267916_283	NW_004520636.1	Scaffold7216	283	AA	GG	1940558469
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SNP_P1_267921_591	NW_004520636.1	Scaffold7216	591	AA	GG	1940558480
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_267927_410	NW_004520646.1	Scaffold7231	410	CC	TT	1940558492
SNP_P1_267928_414	NW_004520646.1	Scaffold7231	414	AA	GG	1940558494
SNP_P1_267929_1570	NW_004520646.1	Scaffold7231	1570	AA	TT	1940558496
SNP_P1_267930_1575	NW_004520646.1	Scaffold7231	1575	AA	TT	1940558498
SNP_P1_267931_1593	NW_004520646.1	Scaffold7231	1593	AA	CC	1940558500
SNP_P1_267932_332	NW_004520648.1	Scaffold7238	332	TT	AA	1940558503
SNP_P1_267933_427	NW_004520653.1	Scaffold7245	427	TT	CC	1940558505
SNP_P1_267934_444	NW_004520653.1	Scaffold7245	444	AA	CC	1940558507
SNP_P1_267935_655	NW_004520653.1	Scaffold7245	655	AA	GG	1940558509
SNP_P1_267936_755	NW_004520653.1	Scaffold7245	755	CC	TT	1940558511
SNP_P1_267937_886	NW_004520653.1	Scaffold7245	886	GG	TT	1940558513
SNP_P1_267938_1088	NW_004520653.1	Scaffold7245	1088	CC	AA	1940558515
SNP_P1_267939_1287	NW_004520656.1	Scaffold7249	1287	TT	GG	1940558517
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SNP_P1_267941_1354	NW_004520656.1	Scaffold7249	1354	GG	AA	1940558521
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SNP_P1_267945_547	NW_004520661.1	Scaffold7254	547	CC	AA	1940558530
SNP_P1_267946_548	NW_004520661.1	Scaffold7254	548	TT	CC	1940558532
SNP_P1_267947_781	NW_004520661.1	Scaffold7254	781	AA	GG	1940558534
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SNP_P1_267957_5010	NW_004520668.1	Scaffold7267	5010	TT	AA	1940558555
SNP_P1_267958_5012	NW_004520668.1	Scaffold7267	5012	TT	CC	1940558557
SNP_P1_267959_5024	NW_004520668.1	Scaffold7267	5024	CC	GG	1940558559
SNP_P1_267960_5033	NW_004520668.1	Scaffold7267	5033	GG	AA	1940558561
SNP_P1_267961_5054	NW_004520668.1	Scaffold7267	5054	GG	TT	1940558563
SNP_P1_267962_5154	NW_004520668.1	Scaffold7267	5154	CC	TT	1940558565
SNP_P1_267963_525	NW_004520670.1	Scaffold7269	525	TT	CC	1940558567
SNP_P1_267964_579	NW_004520670.1	Scaffold7269	579	AA	CC	1940558570

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SNP_P1_267967_809	NW_004520670.1	Scaffold7269	809	CC	TT	1940558576
SNP_P1_267968_825	NW_004520670.1	Scaffold7269	825	GG	AA	1940558578
SNP_P1_267969_905	NW_004520670.1	Scaffold7269	905	AA	CC	1940558580
SNP_P1_267970_951	NW_004520670.1	Scaffold7269	951	CC	GG	1940558582
SNP_P1_267971_64	NW_004520671.1	Scaffold7272	64	AA	CC	1940558584
SNP_P1_267972_127	NW_004520671.1	Scaffold7272	127	TT	GG	1940558586
SNP_P1_267973_385	NW_004520671.1	Scaffold7272	385	AA	CC	1940558588
SNP_P1_267975_449	NW_004520675.1	Scaffold7280	449	AA	TT	1940558591
SNP_P1_267976_458	NW_004520675.1	Scaffold7280	458	GG	AA	1940558593
SNP_P1_267977_521	NW_004520675.1	Scaffold7280	521	CC	TT	1940558595
SNP_P1_267978_1583	NW_004520675.1	Scaffold7280	1583	AA	TT	1940558597
SNP_P1_267979_1590	NW_004520675.1	Scaffold7280	1590	GG	AA	1940558599
SNP_P1_267981_2078	NW_004520675.1	Scaffold7280	2078	GG	AA	1940558601
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SNP_P1_267997_13442	NW_004520678.1	Scaffold7293	13442	AA	GG	1940558630
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SNP_P1_268001_13764	NW_004520678.1	Scaffold7293	13764	CC	TT	1940558639
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SNP_P1_268009_14128	NW_004520678.1	Scaffold7293	14128	GG	TT	1940558656
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268014_14244	NW_004520678.1	Scaffold7293	14244	CC	TT	1940558666
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SNP_P1_268016_14342	NW_004520678.1	Scaffold7293	14342	CC	GG	1940558670
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SNP_P1_268019_14498	NW_004520678.1	Scaffold7293	14498	GG	AA	1940558677
SNP_P1_268020_14502	NW_004520678.1	Scaffold7293	14502	AA	TT	1940558679
SNP_P1_268021_14507	NW_004520678.1	Scaffold7293	14507	GG	AA	1940558681
SNP_P1_268022_14530	NW_004520678.1	Scaffold7293	14530	CC	GG	1940558683
SNP_P1_268023_14556	NW_004520678.1	Scaffold7293	14556	TT	CC	1940558685
SNP_P1_268024_14658	NW_004520678.1	Scaffold7293	14658	CC	TT	1940558687
SNP_P1_268025_14660	NW_004520678.1	Scaffold7293	14660	GG	AA	1940558689
SNP_P1_268026_14685	NW_004520678.1	Scaffold7293	14685	CC	GG	1940558691
SNP_P1_268027_14707	NW_004520678.1	Scaffold7293	14707	TT	CC	1940558693
SNP_P1_268028_14758	NW_004520678.1	Scaffold7293	14758	TT	CC	1940558695
SNP_P1_268029_14790	NW_004520678.1	Scaffold7293	14790	TT	GG	1940558697
SNP_P1_268030_14816	NW_004520678.1	Scaffold7293	14816	TT	CC	1940558700
SNP_P1_268031_14860	NW_004520678.1	Scaffold7293	14860	TT	GG	1940558702
SNP_P1_268032_14924	NW_004520678.1	Scaffold7293	14924	GG	AA	1940558704
SNP_P1_268033_14948	NW_004520678.1	Scaffold7293	14948	AA	GG	1940558706
SNP_P1_268034_14961	NW_004520678.1	Scaffold7293	14961	GG	AA	1940558708
SNP_P1_268035_14977	NW_004520678.1	Scaffold7293	14977	CC	TT	1940558710
SNP_P1_268036_14992	NW_004520678.1	Scaffold7293	14992	GG	AA	1940558712
SNP_P1_268037_15017	NW_004520678.1	Scaffold7293	15017	GG	AA	1940558714
SNP_P1_268038_15203	NW_004520678.1	Scaffold7293	15203	CC	TT	1940558716
SNP_P1_268039_15221	NW_004520678.1	Scaffold7293	15221	TT	AA	1940558718
SNP_P1_268040_15234	NW_004520678.1	Scaffold7293	15234	TT	GG	1940558721
SNP_P1_268041_15253	NW_004520678.1	Scaffold7293	15253	AA	CC	1940558723
SNP_P1_268042_15359	NW_004520678.1	Scaffold7293	15359	CC	AA	1940558725
SNP_P1_268043_15388	NW_004520678.1	Scaffold7293	15388	GG	TT	1940558727
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SNP_P1_268049_15812	NW_004520678.1	Scaffold7293	15812	AA	GG	1940558737
SNP_P1_268050_15850	NW_004520678.1	Scaffold7293	15850	AA	GG	1940558739
SNP_P1_268051_15944	NW_004520678.1	Scaffold7293	15944	CC	TT	1940558742
SNP_P1_268052_15956	NW_004520678.1	Scaffold7293	15956	CC	TT	1940558744
SNP_P1_268054_16264	NW_004520678.1	Scaffold7293	16264	TT	AA	1940558746

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268057_19499	NW_004520678.1	Scaffold7293	19499	GG	AA	1940558752
SNP_P1_268058_19501	NW_004520678.1	Scaffold7293	19501	TT	CC	1940558754
SNP_P1_268059_19545	NW_004520678.1	Scaffold7293	19545	TT	AA	1940558756
SNP_P1_268060_19616	NW_004520678.1	Scaffold7293	19616	AA	GG	1940558758
SNP_P1_268062_19689	NW_004520678.1	Scaffold7293	19689	TT	GG	1940558760
SNP_P1_268063_19719	NW_004520678.1	Scaffold7293	19719	AA	GG	1940558763
SNP_P1_268064_19731	NW_004520678.1	Scaffold7293	19731	AA	GG	1940558765
SNP_P1_268065_19775	NW_004520678.1	Scaffold7293	19775	CC	TT	1940558767
SNP_P1_268066_19779	NW_004520678.1	Scaffold7293	19779	CC	AA	1940558769
SNP_P1_268067_19837	NW_004520678.1	Scaffold7293	19837	GG	CC	1940558771
SNP_P1_268068_19843	NW_004520678.1	Scaffold7293	19843	AA	CC	1940558773
SNP_P1_268069_19923	NW_004520678.1	Scaffold7293	19923	TT	AA	1940558775
SNP_P1_268070_20075	NW_004520678.1	Scaffold7293	20075	CC	AA	1940558777
SNP_P1_268071_20188	NW_004520678.1	Scaffold7293	20188	CC	TT	1940558779
SNP_P1_268073_20222	NW_004520678.1	Scaffold7293	20222	CC	TT	1940558781
SNP_P1_268074_20227	NW_004520678.1	Scaffold7293	20227	TT	GG	1940558784
SNP_P1_268075_20294	NW_004520678.1	Scaffold7293	20294	TT	AA	1940558786
SNP_P1_268076_20437	NW_004520678.1	Scaffold7293	20437	CC	TT	1940558788
SNP_P1_268077_20460	NW_004520678.1	Scaffold7293	20460	AA	TT	1940558790
SNP_P1_268078_20535	NW_004520678.1	Scaffold7293	20535	CC	GG	1940558792
SNP_P1_268079_20615	NW_004520678.1	Scaffold7293	20615	TT	CC	1940558794
SNP_P1_268080_20639	NW_004520678.1	Scaffold7293	20639	GG	AA	1940558796
SNP_P1_268081_20689	NW_004520678.1	Scaffold7293	20689	AA	GG	1940558798
SNP_P1_268082_21207	NW_004520678.1	Scaffold7293	21207	AA	CC	1940558800
SNP_P1_268084_21363	NW_004520678.1	Scaffold7293	21363	TT	CC	1940558802
SNP_P1_268085_21444	NW_004520678.1	Scaffold7293	21444	CC	TT	1940558805
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SNP_P1_268087_21523	NW_004520678.1	Scaffold7293	21523	GG	AA	1940558809
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SNP_P1_268092_21744	NW_004520678.1	Scaffold7293	21744	TT	CC	1940558819
SNP_P1_268093_21833	NW_004520678.1	Scaffold7293	21833	CC	TT	1940558821
SNP_P1_268094_22243	NW_004520678.1	Scaffold7293	22243	CC	AA	1940558823
SNP_P1_268095_22311	NW_004520678.1	Scaffold7293	22311	CC	AA	1940558826
SNP_P1_268096_138	NW_004520680.1	Scaffold7295	138	CC	GG	1940558828
SNP_P1_268097_387	NW_004520680.1	Scaffold7295	387	TT	GG	1940558830
SNP_P1_268098_414	NW_004520680.1	Scaffold7295	414	TT	GG	1940558832
SNP_P1_268099_932	NW_004520680.1	Scaffold7295	932	AA	GG	1940558834

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268103_1343	NW_004520684.1	Scaffold7302	1343	AA	GG	1940558838
SNP_P1_268104_1362	NW_004520684.1	Scaffold7302	1362	AA	CC	1940558840
SNP_P1_268105_1371	NW_004520684.1	Scaffold7302	1371	AA	CC	1940558842
SNP_P1_268107_371	NW_004520686.1	Scaffold7304	371	TT	AA	1940558844
SNP_P1_268109_1064	NW_004520686.1	Scaffold7304	1064	CC	TT	1940558846
SNP_P1_268110_80	NW_004520689.1	Scaffold7313	80	AA	GG	1940558849
SNP_P1_268111_331	NW_004520689.1	Scaffold7313	331	AA	GG	1940558851
SNP_P1_268112_337	NW_004520689.1	Scaffold7313	337	AA	GG	1940558853
SNP_P1_268113_352	NW_004520689.1	Scaffold7313	352	AA	CC	1940558855
SNP_P1_268114_1343	NW_004520689.1	Scaffold7313	1343	CC	AA	1940558857
SNP_P1_268115_1225	NW_004520690.1	Scaffold7314	1225	CC	TT	1940558859
SNP_P1_268116_1278	NW_004520690.1	Scaffold7314	1278	CC	TT	1940558861
SNP_P1_268117_1297	NW_004520690.1	Scaffold7314	1297	CC	TT	1940558863
SNP_P1_268118_1302	NW_004520690.1	Scaffold7314	1302	CC	TT	1940558865
SNP_P1_268119_1375	NW_004520690.1	Scaffold7314	1375	GG	AA	1940558867
SNP_P1_268120_1414	NW_004520690.1	Scaffold7314	1414	GG	AA	1940558870
SNP_P1_268121_1507	NW_004520690.1	Scaffold7314	1507	GG	TT	1940558872
SNP_P1_268122_1572	NW_004520690.1	Scaffold7314	1572	TT	GG	1940558874
SNP_P1_268123_1723	NW_004520690.1	Scaffold7314	1723	CC	TT	1940558876
SNP_P1_268124_1729	NW_004520690.1	Scaffold7314	1729	CC	TT	1940558878
SNP_P1_268125_1762	NW_004520690.1	Scaffold7314	1762	TT	AA	1940558880
SNP_P1_268126_1780	NW_004520690.1	Scaffold7314	1780	AA	GG	1940558882
SNP_P1_268127_1804	NW_004520690.1	Scaffold7314	1804	CC	TT	1940558884
SNP_P1_268128_1856	NW_004520690.1	Scaffold7314	1856	TT	AA	1940558886
SNP_P1_268129_1869	NW_004520690.1	Scaffold7314	1869	GG	TT	1940558888
SNP_P1_268130_1880	NW_004520690.1	Scaffold7314	1880	GG	AA	1940558890
SNP_P1_268131_1882	NW_004520690.1	Scaffold7314	1882	AA	GG	1940558893
SNP_P1_268132_171	NW_004520692.1	Scaffold7316	171	AA	CC	1940558895
SNP_P1_268133_284	NW_004520692.1	Scaffold7316	284	TT	CC	1940558897
SNP_P1_268134_409	NW_004520692.1	Scaffold7316	409	AA	GG	1940558899
SNP_P1_268135_626	NW_004520692.1	Scaffold7316	626	CC	TT	1940558901
SNP_P1_268136_719	NW_004520692.1	Scaffold7316	719	GG	AA	1940558903
SNP_P1_268137_791	NW_004520692.1	Scaffold7316	791	GG	AA	1940558905
SNP_P1_268138_796	NW_004520692.1	Scaffold7316	796	AA	CC	1940558907
SNP_P1_268139_857	NW_004520692.1	Scaffold7316	857	GG	AA	1940558909
SNP_P1_268140_1102	NW_004520692.1	Scaffold7316	1102	TT	CC	1940558911
SNP_P1_268141_1281	NW_004520692.1	Scaffold7316	1281	GG	TT	1940558913
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SNP_P1_268143_64	NW_004520693.1	Scaffold7318	64	TT	GG	1940558918
SNP_P1_268144_80	NW_004520693.1	Scaffold7318	80	AA	GG	1940558920
SNP_P1_268145_172	NW_004520693.1	Scaffold7318	172	TT	CC	1940558922

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268148_713	NW_004520698.1	Scaffold7327	713	CC	GG	1940558928
SNP_P1_268149_8307	NW_004520698.1	Scaffold7327	8307	TT	AA	1940558930
SNP_P1_268150_8308	NW_004520698.1	Scaffold7327	8308	CC	AA	1940558932
SNP_P1_268151_8330	NW_004520698.1	Scaffold7327	8330	TT	CC	1940558934
SNP_P1_268152_8347	NW_004520698.1	Scaffold7327	8347	AA	GG	1940558937
SNP_P1_268153_8348	NW_004520698.1	Scaffold7327	8348	TT	AA	1940558939
SNP_P1_268154_8380	NW_004520698.1	Scaffold7327	8380	TT	AA	1940558941
SNP_P1_268155_8384	NW_004520698.1	Scaffold7327	8384	GG	TT	1940558943
SNP_P1_268156_8402	NW_004520698.1	Scaffold7327	8402	AA	TT	1940558945
SNP_P1_268157_471	NW_004520699.1	Scaffold7329	471	AA	GG	1940558947
SNP_P1_268158_1869	NW_004520700.1	Scaffold7330	1869	AA	GG	1940558949
SNP_P1_268159_2036	NW_004520700.1	Scaffold7330	2036	AA	GG	1940558951
SNP_P1_268160_2170	NW_004520700.1	Scaffold7330	2170	CC	TT	1940558953
SNP_P1_268162_2282	NW_004520700.1	Scaffold7330	2282	GG	TT	1940558955
SNP_P1_268163_2284	NW_004520700.1	Scaffold7330	2284	GG	AA	1940558958
SNP_P1_268164_2298	NW_004520700.1	Scaffold7330	2298	TT	GG	1940558960
SNP_P1_268165_2311	NW_004520700.1	Scaffold7330	2311	AA	TT	1940558962
SNP_P1_268166_2312	NW_004520700.1	Scaffold7330	2312	TT	AA	1940558964
SNP_P1_268167_2465	NW_004520700.1	Scaffold7330	2465	GG	TT	1940558966
SNP_P1_268169_2755	NW_004520700.1	Scaffold7330	2755	AA	TT	1940558968
SNP_P1_268171_81	NW_004520705.1	Scaffold7340	81	TT	AA	1940558970
SNP_P1_268172_732	NW_004520709.1	Scaffold7346	732	AA	TT	1940558972
SNP_P1_268173_602	NW_004520713.1	Scaffold7355	602	GG	TT	1940558974
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SNP_P1_268175_672	NW_004520713.1	Scaffold7355	672	TT	GG	1940558978
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SNP_P1_268178_3572	NW_004520713.1	Scaffold7355	3572	GG	AA	1940558985
SNP_P1_268180_5770	NW_004520713.1	Scaffold7355	5770	CC	AA	1940558987
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SNP_P1_268183_6252	NW_004520713.1	Scaffold7355	6252	CC	TT	1940558993
SNP_P1_268184_8274	NW_004520713.1	Scaffold7355	8274	TT	CC	1940558995
SNP_P1_268186_10635	NW_004520713.1	Scaffold7355	10635	AA	CC	1940558997
SNP_P1_268187_10646	NW_004520713.1	Scaffold7355	10646	GG	AA	1940558999
SNP_P1_268188_10656	NW_004520713.1	Scaffold7355	10656	TT	GG	1940559002
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SNP_P1_268190_14495	NW_004520713.1	Scaffold7355	14495	TT	CC	1940559006
SNP_P1_268191_15565	NW_004520713.1	Scaffold7355	15565	AA	GG	1940559008
SNP_P1_268192_18519	NW_004520713.1	Scaffold7355	18519	AA	TT	1940559010

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268195_18792	NW_004520713.1	Scaffold7355	18792	CC	TT	1940559014
SNP_P1_268196_18806	NW_004520713.1	Scaffold7355	18806	TT	AA	1940559016
SNP_P1_268197_18991	NW_004520713.1	Scaffold7355	18991	TT	AA	1940559018
SNP_P1_268198_19167	NW_004520713.1	Scaffold7355	19167	CC	GG	1940559020
SNP_P1_268199_19903	NW_004520713.1	Scaffold7355	19903	TT	AA	1940559022
SNP_P1_268200_19957	NW_004520713.1	Scaffold7355	19957	AA	CC	1940559025
SNP_P1_268201_19963	NW_004520713.1	Scaffold7355	19963	CC	TT	1940559027
SNP_P1_268202_19970	NW_004520713.1	Scaffold7355	19970	AA	TT	1940559029
SNP_P1_268203_19977	NW_004520713.1	Scaffold7355	19977	GG	AA	1940559031
SNP_P1_268204_19983	NW_004520713.1	Scaffold7355	19983	GG	AA	1940559033
SNP_P1_268205_19999	NW_004520713.1	Scaffold7355	19999	TT	GG	1940559035
SNP_P1_268206_20001	NW_004520713.1	Scaffold7355	20001	GG	TT	1940559037
SNP_P1_268207_20028	NW_004520713.1	Scaffold7355	20028	AA	TT	1940559039
SNP_P1_268208_20034	NW_004520713.1	Scaffold7355	20034	AA	GG	1940559041
SNP_P1_268209_20192	NW_004520713.1	Scaffold7355	20192	GG	AA	1940559043
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SNP_P1_268212_20439	NW_004520713.1	Scaffold7355	20439	TT	CC	1940559050
SNP_P1_268214_20455	NW_004520713.1	Scaffold7355	20455	GG	AA	1940559052
SNP_P1_268215_20498	NW_004520713.1	Scaffold7355	20498	AA	CC	1940559054
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SNP_P1_268217_21517	NW_004520713.1	Scaffold7355	21517	CC	TT	1940559058
SNP_P1_268218_21694	NW_004520713.1	Scaffold7355	21694	AA	GG	1940559060
SNP_P1_268220_22211	NW_004520713.1	Scaffold7355	22211	AA	GG	1940559062
SNP_P1_268221_22564	NW_004520713.1	Scaffold7355	22564	TT	GG	1940559064
SNP_P1_268223_22754	NW_004520713.1	Scaffold7355	22754	AA	TT	1940559067
SNP_P1_268224_22762	NW_004520713.1	Scaffold7355	22762	GG	AA	1940559069
SNP_P1_268225_22771	NW_004520713.1	Scaffold7355	22771	GG	AA	1940559071
SNP_P1_268226_23368	NW_004520713.1	Scaffold7355	23368	AA	TT	1940559073
SNP_P1_268227_23413	NW_004520713.1	Scaffold7355	23413	CC	AA	1940559075
SNP_P1_268228_186	NW_004520715.1	Scaffold7363	186	GG	AA	1940559077
SNP_P1_268229_541	NW_004520715.1	Scaffold7363	541	CC	GG	1940559079
SNP_P1_268232_4361	NW_004520716.1	Scaffold7364	4361	TT	CC	1940559081
SNP_P1_268233_4758	NW_004520716.1	Scaffold7364	4758	TT	GG	1940559083
SNP_P1_268234_896	NW_004520717.1	Scaffold7365	896	GG	TT	1940559085
SNP_P1_268235_1494	NW_004520721.1	Scaffold7370	1494	TT	AA	1940559088
SNP_P1_268236_1499	NW_004520721.1	Scaffold7370	1499	GG	TT	1940559090
SNP_P1_268237_1500	NW_004520721.1	Scaffold7370	1500	TT	AA	1940559092
SNP_P1_268238_1541	NW_004520721.1	Scaffold7370	1541	AA	GG	1940559094
SNP_P1_268239_1544	NW_004520721.1	Scaffold7370	1544	TT	CC	1940559096
SNP_P1_268240_1549	NW_004520721.1	Scaffold7370	1549	TT	CC	1940559098

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268243_1556	NW_004520721.1	Scaffold7370	1556	AA	GG	1940559104
SNP_P1_268244_6338	NW_004520721.1	Scaffold7370	6338	GG	AA	1940559106
SNP_P1_268245_6345	NW_004520721.1	Scaffold7370	6345	AA	TT	1940559109
SNP_P1_268246_6347	NW_004520721.1	Scaffold7370	6347	AA	TT	1940559111
SNP_P1_268248_6352	NW_004520721.1	Scaffold7370	6352	TT	AA	1940559113
SNP_P1_268249_6358	NW_004520721.1	Scaffold7370	6358	TT	AA	1940559115
SNP_P1_268250_40	NW_004520726.1	Scaffold7377	40	AA	GG	1940559117
SNP_P1_268251_53	NW_004520726.1	Scaffold7377	53	CC	TT	1940559119
SNP_P1_268252_64	NW_004520726.1	Scaffold7377	64	AA	GG	1940559121
SNP_P1_268253_81	NW_004520726.1	Scaffold7377	81	TT	AA	1940559123
SNP_P1_268254_92	NW_004520726.1	Scaffold7377	92	AA	GG	1940559125
SNP_P1_268255_110	NW_004520726.1	Scaffold7377	110	TT	AA	1940559127
SNP_P1_268256_234	NW_004520726.1	Scaffold7377	234	AA	GG	1940559129
SNP_P1_268257_411	NW_004520726.1	Scaffold7377	411	TT	GG	1940559132
SNP_P1_268258_494	NW_004520726.1	Scaffold7377	494	CC	TT	1940559134
SNP_P1_268260_550	NW_004520726.1	Scaffold7377	550	GG	CC	1940559136
SNP_P1_268261_556	NW_004520726.1	Scaffold7377	556	CC	TT	1940559138
SNP_P1_268262_637	NW_004520726.1	Scaffold7377	637	GG	AA	1940559140
SNP_P1_268263_667	NW_004520726.1	Scaffold7377	667	TT	AA	1940559142
SNP_P1_268264_775	NW_004520726.1	Scaffold7377	775	CC	TT	1940559144
SNP_P1_268265_1005	NW_004520726.1	Scaffold7377	1005	TT	CC	1940559146
SNP_P1_268266_99	NW_004520728.1	Scaffold7379	99	TT	AA	1940559148
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SNP_P1_268268_576	NW_004520728.1	Scaffold7379	576	CC	GG	1940559152
SNP_P1_268270_64	NW_004520729.1	Scaffold7380	64	AA	GG	1940559155
SNP_P1_268272_359	NW_004520729.1	Scaffold7380	359	AA	TT	1940559157
SNP_P1_268273_1267	NW_004520733.1	Scaffold7389	1267	AA	TT	1940559159
SNP_P1_268274_3785	NW_004520733.1	Scaffold7389	3785	CC	TT	1940559161
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SNP_P1_268283_389	NW_004520741.1	Scaffold7406	389	TT	CC	1940559180
SNP_P1_268284_400	NW_004520741.1	Scaffold7406	400	TT	AA	1940559182
SNP_P1_268286_410	NW_004520745.1	Scaffold7412	410	TT	CC	1940559184
SNP_P1_268287_808	NW_004520746.1	Scaffold7414	808	GG	AA	1940559186

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268291_4304	NW_004520746.1	Scaffold7414	4304	CC	AA	1940559192
SNP_P1_268292_4437	NW_004520746.1	Scaffold7414	4437	CC	TT	1940559194
SNP_P1_268293_4454	NW_004520746.1	Scaffold7414	4454	GG	AA	1940559196
SNP_P1_268294_4613	NW_004520746.1	Scaffold7414	4613	TT	CC	1940559199
SNP_P1_268295_887	NW_004520749.1	Scaffold7421	887	CC	GG	1940559201
SNP_P1_268296_1291	NW_004520749.1	Scaffold7421	1291	AA	GG	1940559203
SNP_P1_268297_1297	NW_004520749.1	Scaffold7421	1297	GG	AA	1940559205
SNP_P1_268298_1872	NW_004520753.1	Scaffold7427	1872	GG	TT	1940559207
SNP_P1_268299_7338	NW_004520753.1	Scaffold7427	7338	AA	GG	1940559209
SNP_P1_268300_7567	NW_004520753.1	Scaffold7427	7567	CC	TT	1940559211
SNP_P1_268301_7703	NW_004520753.1	Scaffold7427	7703	GG	CC	1940559213
SNP_P1_268302_7725	NW_004520753.1	Scaffold7427	7725	CC	TT	1940559215
SNP_P1_268304_9558	NW_004520753.1	Scaffold7427	9558	GG	AA	1940559217
SNP_P1_268305_64	NW_004520754.1	Scaffold7432	64	AA	CC	1940559219
SNP_P1_268306_70	NW_004520754.1	Scaffold7432	70	CC	AA	1940559222
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SNP_P1_268309_678	NW_004520762.1	Scaffold7448	678	GG	TT	1940559228
SNP_P1_268310_737	NW_004520762.1	Scaffold7448	737	AA	GG	1940559230
SNP_P1_268311_770	NW_004520762.1	Scaffold7448	770	GG	TT	1940559232
SNP_P1_268312_783	NW_004520762.1	Scaffold7448	783	GG	CC	1940559234
SNP_P1_268313_13534	NW_004520762.1	Scaffold7448	13534	GG	TT	1940559236
SNP_P1_268314_13536	NW_004520762.1	Scaffold7448	13536	GG	AA	1940559238
SNP_P1_268315_13542	NW_004520762.1	Scaffold7448	13542	GG	AA	1940559240
SNP_P1_268317_13567	NW_004520762.1	Scaffold7448	13567	CC	TT	1940559243
SNP_P1_268318_13631	NW_004520762.1	Scaffold7448	13631	TT	AA	1940559245
SNP_P1_268319_13725	NW_004520762.1	Scaffold7448	13725	GG	AA	1940559247
SNP_P1_268320_13990	NW_004520762.1	Scaffold7448	13990	AA	GG	1940559249
SNP_P1_268321_14072	NW_004520762.1	Scaffold7448	14072	AA	CC	1940559251
SNP_P1_268322_14076	NW_004520762.1	Scaffold7448	14076	TT	CC	1940559253
SNP_P1_268323_14127	NW_004520762.1	Scaffold7448	14127	TT	AA	1940559255
SNP_P1_268324_17238	NW_004520762.1	Scaffold7448	17238	AA	GG	1940559257
SNP_P1_268325_20420	NW_004520762.1	Scaffold7448	20420	GG	AA	1940559259
SNP_P1_268326_20671	NW_004520762.1	Scaffold7448	20671	AA	GG	1940559261
SNP_P1_268327_20701	NW_004520762.1	Scaffold7448	20701	TT	GG	1940559264
SNP_P1_268328_20722	NW_004520762.1	Scaffold7448	20722	GG	AA	1940559266
SNP_P1_268329_20733	NW_004520762.1	Scaffold7448	20733	TT	CC	1940559268
SNP_P1_268330_20769	NW_004520762.1	Scaffold7448	20769	TT	AA	1940559270
SNP_P1_268331_20830	NW_004520762.1	Scaffold7448	20830	TT	CC	1940559272
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268335_21242	NW_004520762.1	Scaffold7448	21242	AA	TT	1940559280
SNP_P1_268336_21272	NW_004520762.1	Scaffold7448	21272	TT	AA	1940559282
SNP_P1_268337_21307	NW_004520762.1	Scaffold7448	21307	GG	CC	1940559284
SNP_P1_268339_21543	NW_004520762.1	Scaffold7448	21543	CC	TT	1940559287
SNP_P1_268340_21681	NW_004520762.1	Scaffold7448	21681	GG	AA	1940559289
SNP_P1_268341_21745	NW_004520762.1	Scaffold7448	21745	CC	TT	1940559291
SNP_P1_268342_21863	NW_004520762.1	Scaffold7448	21863	GG	AA	1940559293
SNP_P1_268343_21880	NW_004520762.1	Scaffold7448	21880	AA	TT	1940559295
SNP_P1_268344_22165	NW_004520762.1	Scaffold7448	22165	GG	TT	1940559297
SNP_P1_268345_22452	NW_004520762.1	Scaffold7448	22452	CC	TT	1940559299
SNP_P1_268346_23052	NW_004520762.1	Scaffold7448	23052	CC	AA	1940559301
SNP_P1_268347_23086	NW_004520762.1	Scaffold7448	23086	AA	GG	1940559303
SNP_P1_268348_23196	NW_004520762.1	Scaffold7448	23196	GG	AA	1940559305
SNP_P1_268349_23260	NW_004520762.1	Scaffold7448	23260	AA	CC	1940559308
SNP_P1_268350_23293	NW_004520762.1	Scaffold7448	23293	TT	CC	1940559310
SNP_P1_268351_23405	NW_004520762.1	Scaffold7448	23405	AA	TT	1940559312
SNP_P1_268352_23469	NW_004520762.1	Scaffold7448	23469	AA	CC	1940559314
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SNP_P1_268354_23612	NW_004520762.1	Scaffold7448	23612	CC	AA	1940559318
SNP_P1_268355_23767	NW_004520762.1	Scaffold7448	23767	TT	CC	1940559320
SNP_P1_268356_23938	NW_004520762.1	Scaffold7448	23938	AA	CC	1940559322
SNP_P1_268357_622	NW_004520765.1	Scaffold7452	622	TT	CC	1940559324
SNP_P1_268358_2605	NW_004520765.1	Scaffold7452	2605	AA	GG	1940559326
SNP_P1_268359_2906	NW_004520765.1	Scaffold7452	2906	GG	CC	1940559329
SNP_P1_268360_3351	NW_004520765.1	Scaffold7452	3351	AA	GG	1940559331
SNP_P1_268361_3479	NW_004520765.1	Scaffold7452	3479	TT	GG	1940559333
SNP_P1_268362_3483	NW_004520765.1	Scaffold7452	3483	AA	TT	1940559335
SNP_P1_268363_3633	NW_004520765.1	Scaffold7452	3633	TT	GG	1940559337
SNP_P1_268365_544	NW_004520770.1	Scaffold7460	544	GG	TT	1940559339
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SNP_P1_268370_1328	NW_004520776.1	Scaffold7470	1328	AA	GG	1940559350
SNP_P1_268371_1643	NW_004520776.1	Scaffold7470	1643	GG	TT	1940559352
SNP_P1_268372_1920	NW_004520776.1	Scaffold7470	1920	AA	TT	1940559354
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SNP_P1_268374_2022	NW_004520776.1	Scaffold7470	2022	TT	CC	1940559358
SNP_P1_268375_2121	NW_004520776.1	Scaffold7470	2121	GG	CC	1940559360
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268380_1013	NW_004520778.1	Scaffold7473	1013	TT	CC	1940559368
SNP_P1_268382_5603	NW_004520780.1	Scaffold7475	5603	AA	TT	1940559370
SNP_P1_268383_5649	NW_004520780.1	Scaffold7475	5649	CC	GG	1940559373
SNP_P1_268384_5891	NW_004520780.1	Scaffold7475	5891	CC	TT	1940559375
SNP_P1_268385_5898	NW_004520780.1	Scaffold7475	5898	CC	TT	1940559377
SNP_P1_268386_973	NW_004520781.1	Scaffold7477	973	CC	TT	1940559379
SNP_P1_268387_1063	NW_004520781.1	Scaffold7477	1063	CC	TT	1940559381
SNP_P1_268388_1350	NW_004520781.1	Scaffold7477	1350	AA	GG	1940559383
SNP_P1_268389_1439	NW_004520781.1	Scaffold7477	1439	CC	TT	1940559385
SNP_P1_268390_2062	NW_004520781.1	Scaffold7477	2062	TT	CC	1940559387
SNP_P1_268391_2130	NW_004520781.1	Scaffold7477	2130	GG	TT	1940559389
SNP_P1_268392_2151	NW_004520781.1	Scaffold7477	2151	CC	AA	1940559391
SNP_P1_268394_2402	NW_004520781.1	Scaffold7477	2402	TT	CC	1940559393
SNP_P1_268395_6372	NW_004520781.1	Scaffold7477	6372	AA	GG	1940559396
SNP_P1_268396_6406	NW_004520781.1	Scaffold7477	6406	AA	TT	1940559398
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SNP_P1_268401_20705	NW_004520781.1	Scaffold7477	20705	TT	CC	1940559406
SNP_P1_268402_20981	NW_004520781.1	Scaffold7477	20981	TT	GG	1940559408
SNP_P1_268403_21008	NW_004520781.1	Scaffold7477	21008	GG	AA	1940559410
SNP_P1_268404_21032	NW_004520781.1	Scaffold7477	21032	AA	GG	1940559412
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SNP_P1_268406_21108	NW_004520781.1	Scaffold7477	21108	TT	AA	1940559417
SNP_P1_268407_64	NW_004520782.1	Scaffold7478	64	TT	CC	1940559419
SNP_P1_268408_274	NW_004520782.1	Scaffold7478	274	TT	GG	1940559421
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SNP_P1_268410_691	NW_004520784.1	Scaffold7480	691	CC	AA	1940559425
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SNP_P1_268412_1144	NW_004520784.1	Scaffold7480	1144	AA	GG	1940559429
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SNP_P1_268415_504	NW_004520788.1	Scaffold7484	504	CC	TT	1940559435
SNP_P1_268416_19339	NW_004520788.1	Scaffold7484	19339	GG	AA	1940559437
SNP_P1_268417_19641	NW_004520788.1	Scaffold7484	19641	GG	AA	1940559440
SNP_P1_268418_19713	NW_004520788.1	Scaffold7484	19713	TT	AA	1940559442
SNP_P1_268419_19727	NW_004520788.1	Scaffold7484	19727	TT	CC	1940559444
SNP_P1_268420_19738	NW_004520788.1	Scaffold7484	19738	GG	AA	1940559446
SNP_P1_268421_19883	NW_004520788.1	Scaffold7484	19883	CC	AA	1940559448
SNP_P1_268422_19913	NW_004520788.1	Scaffold7484	19913	TT	CC	1940559450

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SNP_P1_268424_560	NW_004520791.1	Scaffold7489	560	AA	GG	1940559455
SNP_P1_268425_679	NW_004520791.1	Scaffold7489	679	TT	CC	1940559457
SNP_P1_268427_860	NW_004520791.1	Scaffold7489	860	CC	AA	1940559459
SNP_P1_268428_871	NW_004520791.1	Scaffold7489	871	GG	TT	1940559461
SNP_P1_268429_882	NW_004520791.1	Scaffold7489	882	CC	TT	1940559463
SNP_P1_268430_889	NW_004520791.1	Scaffold7489	889	TT	CC	1940559465
SNP_P1_268431_932	NW_004520791.1	Scaffold7489	932	CC	TT	1940559467
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SNP_P1_268433_1005	NW_004520791.1	Scaffold7489	1005	AA	GG	1940559471
SNP_P1_268434_1018	NW_004520791.1	Scaffold7489	1018	CC	AA	1940559474
SNP_P1_268435_1079	NW_004520791.1	Scaffold7489	1079	TT	AA	1940559476
SNP_P1_268436_1168	NW_004520791.1	Scaffold7489	1168	GG	TT	1940559478
SNP_P1_268437_1217	NW_004520791.1	Scaffold7489	1217	GG	AA	1940559480
SNP_P1_268438_1361	NW_004520791.1	Scaffold7489	1361	TT	GG	1940559482
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SNP_P1_268455_472	NW_004520796.1	Scaffold7502	472	CC	TT	1940559513
SNP_P1_268458_630	NW_004520796.1	Scaffold7502	630	CC	GG	1940559515
SNP_P1_268459_635	NW_004520796.1	Scaffold7502	635	TT	AA	1940559518
SNP_P1_268460_654	NW_004520796.1	Scaffold7502	654	TT	CC	1940559520
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SNP_P1_268464_864	NW_004520796.1	Scaffold7502	864	CC	AA	1940559528
SNP_P1_268465_869	NW_004520796.1	Scaffold7502	869	TT	CC	1940559530
SNP_P1_268466_888	NW_004520796.1	Scaffold7502	888	GG	CC	1940559532
SNP_P1_268467_906	NW_004520796.1	Scaffold7502	906	AA	TT	1940559534
SNP_P1_268468_932	NW_004520796.1	Scaffold7502	932	AA	TT	1940559536
SNP_P1_268469_1123	NW_004520796.1	Scaffold7502	1123	TT	CC	1940559539

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268471_426	NW_004520800.1	Scaffold7507	426	CC	TT	1940559543
SNP_P1_268472_368	NW_004520801.1	Scaffold7508	368	AA	TT	1940559545
SNP_P1_268473_371	NW_004520801.1	Scaffold7508	371	TT	AA	1940559547
SNP_P1_268474_392	NW_004520801.1	Scaffold7508	392	GG	AA	1940559549
SNP_P1_268475_1463	NW_004520802.1	Scaffold7509	1463	CC	TT	1940559551
SNP_P1_268476_1465	NW_004520802.1	Scaffold7509	1465	AA	GG	1940559553
SNP_P1_268477_119	NW_004520803.1	Scaffold7511	119	TT	CC	1940559555
SNP_P1_268478_154	NW_004520803.1	Scaffold7511	154	GG	AA	1940559557
SNP_P1_268479_433	NW_004520803.1	Scaffold7511	433	TT	GG	1940559559
SNP_P1_268480_451	NW_004520803.1	Scaffold7511	451	GG	AA	1940559562
SNP_P1_268481_1106	NW_004520803.1	Scaffold7511	1106	TT	CC	1940559564
SNP_P1_268482_1067	NW_004520804.1	Scaffold7513	1067	TT	GG	1940559566
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SNP_P1_268486_777	NW_004520808.1	Scaffold7522	777	AA	GG	1940559572
SNP_P1_268487_818	NW_004520808.1	Scaffold7522	818	CC	TT	1940559574
SNP_P1_268488_1586	NW_004520808.1	Scaffold7522	1586	AA	GG	1940559576
SNP_P1_268489_1705	NW_004520808.1	Scaffold7522	1705	TT	CC	1940559578
SNP_P1_268490_1719	NW_004520808.1	Scaffold7522	1719	CC	TT	1940559580
SNP_P1_268491_422	NW_004520811.1	Scaffold7527	422	GG	TT	1940559582
SNP_P1_268492_752	NW_004520812.1	Scaffold7528	752	AA	GG	1940559585
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SNP_P1_268494_1092	NW_004520812.1	Scaffold7528	1092	TT	CC	1940559589
SNP_P1_268495_1117	NW_004520812.1	Scaffold7528	1117	CC	AA	1940559591
SNP_P1_268496_1141	NW_004520812.1	Scaffold7528	1141	TT	AA	1940559593
SNP_P1_268497_1375	NW_004520812.1	Scaffold7528	1375	GG	CC	1940559595
SNP_P1_268498_1686	NW_004520812.1	Scaffold7528	1686	AA	TT	1940559597
SNP_P1_268499_7495	NW_004520812.1	Scaffold7528	7495	TT	CC	1940559599
SNP_P1_268500_7548	NW_004520812.1	Scaffold7528	7548	AA	GG	1940559601
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SNP_P1_268510_9495	NW_004520812.1	Scaffold7528	9495	TT	CC	1940559622
SNP_P1_268511_9525	NW_004520812.1	Scaffold7528	9525	TT	GG	1940559624
SNP_P1_268512_9691	NW_004520812.1	Scaffold7528	9691	TT	GG	1940559626

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268515_11078	NW_004520812.1	Scaffold7528	11078	CC	TT	1940559633
SNP_P1_268516_11117	NW_004520812.1	Scaffold7528	11117	TT	CC	1940559635
SNP_P1_268517_13686	NW_004520812.1	Scaffold7528	13686	AA	TT	1940559637
SNP_P1_268518_13981	NW_004520812.1	Scaffold7528	13981	GG	CC	1940559639
SNP_P1_268519_14088	NW_004520812.1	Scaffold7528	14088	CC	GG	1940559641
SNP_P1_268520_14144	NW_004520812.1	Scaffold7528	14144	CC	TT	1940559643
SNP_P1_268521_14470	NW_004520812.1	Scaffold7528	14470	TT	CC	1940559645
SNP_P1_268522_14575	NW_004520812.1	Scaffold7528	14575	AA	GG	1940559647
SNP_P1_268523_14816	NW_004520812.1	Scaffold7528	14816	GG	CC	1940559650
SNP_P1_268524_14917	NW_004520812.1	Scaffold7528	14917	CC	TT	1940559652
SNP_P1_268525_14985	NW_004520812.1	Scaffold7528	14985	AA	CC	1940559654
SNP_P1_268526_15023	NW_004520812.1	Scaffold7528	15023	TT	CC	1940559656
SNP_P1_268527_15425	NW_004520812.1	Scaffold7528	15425	TT	GG	1940559658
SNP_P1_268528_15753	NW_004520812.1	Scaffold7528	15753	TT	CC	1940559660
SNP_P1_268529_741	NW_004520813.1	Scaffold7529	741	AA	CC	1940559662
SNP_P1_268530_1041	NW_004520813.1	Scaffold7529	1041	GG	CC	1940559664
SNP_P1_268531_1075	NW_004520813.1	Scaffold7529	1075	TT	AA	1940559666
SNP_P1_268532_1914	NW_004520814.1	Scaffold7533	1914	TT	AA	1940559668
SNP_P1_268533_391	NW_004520817.1	Scaffold7540	391	AA	GG	1940559671
SNP_P1_268534_401	NW_004520817.1	Scaffold7540	401	GG	CC	1940559673
SNP_P1_268535_431	NW_004520817.1	Scaffold7540	431	TT	AA	1940559675
SNP_P1_268536_545	NW_004520817.1	Scaffold7540	545	GG	AA	1940559677
SNP_P1_268537_1200	NW_004520817.1	Scaffold7540	1200	TT	CC	1940559679
SNP_P1_268538_1226	NW_004520817.1	Scaffold7540	1226	TT	AA	1940559681
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SNP_P1_268541_1475	NW_004520817.1	Scaffold7540	1475	GG	CC	1940559687
SNP_P1_268542_1661	NW_004520817.1	Scaffold7540	1661	GG	AA	1940559689
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SNP_P1_268544_1698	NW_004520817.1	Scaffold7540	1698	AA	CC	1940559694
SNP_P1_268545_832	NW_004520819.1	Scaffold7542	832	AA	CC	1940559696
SNP_P1_268546_454	NW_004520821.1	Scaffold7545	454	TT	AA	1940559698
SNP_P1_268547_1395	NW_004520822.1	Scaffold7546	1395	CC	AA	1940559700
SNP_P1_268548_1420	NW_004520822.1	Scaffold7546	1420	CC	GG	1940559702
SNP_P1_268549_312	NW_004520824.1	Scaffold7551	312	AA	TT	1940559704
SNP_P1_268550_477	NW_004520824.1	Scaffold7551	477	CC	TT	1940559706
SNP_P1_268551_495	NW_004520824.1	Scaffold7551	495	GG	TT	1940559708
SNP_P1_268552_713	NW_004520824.1	Scaffold7551	713	TT	CC	1940559710
SNP_P1_268553_2120	NW_004520829.1	Scaffold7559	2120	TT	AA	1940559712
SNP_P1_268554_1326	NW_004520832.1	Scaffold7564	1326	TT	CC	1940559715

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268556_1899	NW_004520832.1	Scaffold7564	1899	AA	GG	1940559718
SNP_P1_268557_1925	NW_004520832.1	Scaffold7564	1925	AA	CC	1940559720
SNP_P1_268558_1987	NW_004520832.1	Scaffold7564	1987	CC	TT	1940559723
SNP_P1_268559_2000	NW_004520832.1	Scaffold7564	2000	CC	TT	1940559725
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SNP_P1_268562_2152	NW_004520832.1	Scaffold7564	2152	AA	CC	1940559731
SNP_P1_268563_450	NW_004520833.1	Scaffold7565	450	TT	CC	1940559733
SNP_P1_268564_487	NW_004520833.1	Scaffold7565	487	CC	TT	1940559735
SNP_P1_268565_614	NW_004520833.1	Scaffold7565	614	GG	TT	1940559737
SNP_P1_268566_646	NW_004520833.1	Scaffold7565	646	CC	TT	1940559739
SNP_P1_268567_668	NW_004520833.1	Scaffold7565	668	CC	TT	1940559741
SNP_P1_268568_707	NW_004520833.1	Scaffold7565	707	GG	CC	1940559743
SNP_P1_268569_1071	NW_004520833.1	Scaffold7565	1071	TT	GG	1940559746
SNP_P1_268570_1080	NW_004520833.1	Scaffold7565	1080	AA	GG	1940559748
SNP_P1_268571_1152	NW_004520833.1	Scaffold7565	1152	GG	AA	1940559750
SNP_P1_268572_1161	NW_004520833.1	Scaffold7565	1161	TT	AA	1940559752
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SNP_P1_268577_2589	NW_004520833.1	Scaffold7565	2589	TT	AA	1940559760
SNP_P1_268578_2609	NW_004520833.1	Scaffold7565	2609	GG	CC	1940559762
SNP_P1_268579_2906	NW_004520833.1	Scaffold7565	2906	GG	TT	1940559764
SNP_P1_268580_3009	NW_004520833.1	Scaffold7565	3009	GG	AA	1940559767
SNP_P1_268581_3019	NW_004520833.1	Scaffold7565	3019	AA	GG	1940559769
SNP_P1_268582_3136	NW_004520833.1	Scaffold7565	3136	AA	GG	1940559771
SNP_P1_268583_4442	NW_004520833.1	Scaffold7565	4442	CC	AA	1940559773
SNP_P1_268584_4443	NW_004520833.1	Scaffold7565	4443	GG	AA	1940559775
SNP_P1_268585_4736	NW_004520833.1	Scaffold7565	4736	TT	CC	1940559777
SNP_P1_268586_4788	NW_004520833.1	Scaffold7565	4788	AA	GG	1940559779
SNP_P1_268587_4814	NW_004520833.1	Scaffold7565	4814	TT	CC	1940559781
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SNP_P1_268589_4877	NW_004520833.1	Scaffold7565	4877	TT	CC	1940559785
SNP_P1_268590_4925	NW_004520833.1	Scaffold7565	4925	TT	CC	1940559787
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SNP_P1_268592_5107	NW_004520833.1	Scaffold7565	5107	GG	AA	1940559792
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SNP_P1_268594_5334	NW_004520833.1	Scaffold7565	5334	GG	AA	1940559796
SNP_P1_268595_143	NW_004520836.1	Scaffold7569	143	CC	TT	1940559798
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SNP_P1_268597_384	NW_004520836.1	Scaffold7569	384	AA	TT	1940559802

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268599_684	NW_004520836.1	Scaffold7569	684	AA	GG	1940559806
SNP_P1_268600_718	NW_004520836.1	Scaffold7569	718	TT	GG	1940559808
SNP_P1_268601_729	NW_004520836.1	Scaffold7569	729	AA	GG	1940559811
SNP_P1_268602_747	NW_004520836.1	Scaffold7569	747	CC	TT	1940559813
SNP_P1_268603_749	NW_004520836.1	Scaffold7569	749	TT	CC	1940559815
SNP_P1_268604_691	NW_004520837.1	Scaffold7571	691	CC	TT	1940559817
SNP_P1_268605_2779	NW_004520841.1	Scaffold7575	2779	CC	TT	1940559819
SNP_P1_268606_2800	NW_004520841.1	Scaffold7575	2800	CC	TT	1940559821
SNP_P1_268607_3264	NW_004520841.1	Scaffold7575	3264	AA	GG	1940559823
SNP_P1_268608_3384	NW_004520841.1	Scaffold7575	3384	TT	AA	1940559825
SNP_P1_268609_3411	NW_004520841.1	Scaffold7575	3411	TT	CC	1940559827
SNP_P1_268610_82	NW_004520842.1	Scaffold7576	82	GG	AA	1940559829
SNP_P1_268611_147	NW_004520842.1	Scaffold7576	147	GG	AA	1940559831
SNP_P1_268612_325	NW_004520842.1	Scaffold7576	325	TT	CC	1940559834
SNP_P1_268613_359	NW_004520842.1	Scaffold7576	359	GG	AA	1940559836
SNP_P1_268614_406	NW_004520842.1	Scaffold7576	406	GG	AA	1940559838
SNP_P1_268615_514	NW_004520842.1	Scaffold7576	514	AA	TT	1940559840
SNP_P1_268616_599	NW_004520842.1	Scaffold7576	599	TT	CC	1940559842
SNP_P1_268617_608	NW_004520842.1	Scaffold7576	608	AA	GG	1940559844
SNP_P1_268618_732	NW_004520842.1	Scaffold7576	732	AA	CC	1940559846
SNP_P1_268619_826	NW_004520842.1	Scaffold7576	826	CC	TT	1940559848
SNP_P1_268620_1021	NW_004520846.1	Scaffold7583	1021	GG	AA	1940559850
SNP_P1_268621_1029	NW_004520846.1	Scaffold7583	1029	GG	CC	1940559852
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SNP_P1_268625_1350	NW_004520846.1	Scaffold7583	1350	GG	CC	1940559861
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SNP_P1_268627_1377	NW_004520846.1	Scaffold7583	1377	CC	GG	1940559865
SNP_P1_268628_1380	NW_004520846.1	Scaffold7583	1380	AA	GG	1940559867
SNP_P1_268630_331	NW_004520847.1	Scaffold7584	331	AA	GG	1940559869
SNP_P1_268631_353	NW_004520847.1	Scaffold7584	353	CC	AA	1940559871
SNP_P1_268632_413	NW_004520847.1	Scaffold7584	413	AA	TT	1940559873
SNP_P1_268633_426	NW_004520847.1	Scaffold7584	426	CC	AA	1940559875
SNP_P1_268634_596	NW_004520847.1	Scaffold7584	596	CC	GG	1940559878
SNP_P1_268635_764	NW_004520847.1	Scaffold7584	764	AA	TT	1940559880
SNP_P1_268636_779	NW_004520847.1	Scaffold7584	779	TT	CC	1940559882
SNP_P1_268638_958	NW_004520847.1	Scaffold7584	958	TT	GG	1940559884
SNP_P1_268639_991	NW_004520847.1	Scaffold7584	991	AA	GG	1940559886
SNP_P1_268640_1036	NW_004520847.1	Scaffold7584	1036	TT	AA	1940559888
SNP_P1_268641_1042	NW_004520847.1	Scaffold7584	1042	TT	CC	1940559890

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268644_4735	NW_004520849.1	Scaffold7590	4735	GG	TT	1940559896
SNP_P1_268645_4797	NW_004520849.1	Scaffold7590	4797	TT	CC	1940559898
SNP_P1_268646_4875	NW_004520849.1	Scaffold7590	4875	AA	CC	1940559901
SNP_P1_268647_4983	NW_004520849.1	Scaffold7590	4983	CC	TT	1940559903
SNP_P1_268648_4998	NW_004520849.1	Scaffold7590	4998	TT	CC	1940559905
SNP_P1_268649_5000	NW_004520849.1	Scaffold7590	5000	TT	CC	1940559907
SNP_P1_268650_5085	NW_004520849.1	Scaffold7590	5085	AA	GG	1940559909
SNP_P1_268651_5102	NW_004520849.1	Scaffold7590	5102	GG	AA	1940559911
SNP_P1_268652_5168	NW_004520849.1	Scaffold7590	5168	TT	CC	1940559913
SNP_P1_268653_5176	NW_004520849.1	Scaffold7590	5176	GG	AA	1940559915
SNP_P1_268654_5202	NW_004520849.1	Scaffold7590	5202	AA	GG	1940559917
SNP_P1_268655_5229	NW_004520849.1	Scaffold7590	5229	AA	CC	1940559919
SNP_P1_268656_5301	NW_004520849.1	Scaffold7590	5301	AA	GG	1940559921
SNP_P1_268657_5327	NW_004520849.1	Scaffold7590	5327	AA	GG	1940559924
SNP_P1_268658_5335	NW_004520849.1	Scaffold7590	5335	GG	TT	1940559926
SNP_P1_268659_5339	NW_004520849.1	Scaffold7590	5339	GG	AA	1940559928
SNP_P1_268660_5488	NW_004520849.1	Scaffold7590	5488	GG	AA	1940559930
SNP_P1_268661_5506	NW_004520849.1	Scaffold7590	5506	AA	TT	1940559932
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SNP_P1_268664_100	NW_004520853.1	Scaffold7595	100	CC	GG	1940559938
SNP_P1_268665_277	NW_004520853.1	Scaffold7595	277	GG	TT	1940559940
SNP_P1_268666_378	NW_004520853.1	Scaffold7595	378	TT	CC	1940559942
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SNP_P1_268669_521	NW_004520853.1	Scaffold7595	521	AA	CC	1940559949
SNP_P1_268670_552	NW_004520853.1	Scaffold7595	552	AA	TT	1940559951
SNP_P1_268671_617	NW_004520853.1	Scaffold7595	617	GG	TT	1940559953
SNP_P1_268672_620	NW_004520853.1	Scaffold7595	620	GG	TT	1940559955
SNP_P1_268673_708	NW_004520853.1	Scaffold7595	708	TT	CC	1940559957
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SNP_P1_268675_725	NW_004520853.1	Scaffold7595	725	TT	AA	1940559961
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SNP_P1_268679_1361	NW_004520853.1	Scaffold7595	1361	AA	TT	1940559970
SNP_P1_268680_1101	NW_004520854.1	Scaffold7596	1101	AA	CC	1940559972
SNP_P1_268681_82	NW_004520855.1	Scaffold7599	82	AA	GG	1940559974
SNP_P1_268682_151	NW_004520855.1	Scaffold7599	151	CC	TT	1940559976
SNP_P1_268683_221	NW_004520855.1	Scaffold7599	221	GG	AA	1940559978

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SNP_P1_268687_1022	NW_004520855.1	Scaffold7599	1022	TT	CC	1940559982
SNP_P1_268688_1221	NW_004520855.1	Scaffold7599	1221	AA	GG	1940559984
SNP_P1_268689_1259	NW_004520855.1	Scaffold7599	1259	TT	AA	1940559986
SNP_P1_268690_942	NW_004520857.1	Scaffold7601	942	CC	AA	1940559989
SNP_P1_268691_142	NW_004520861.1	Scaffold7610	142	GG	TT	1940559991
SNP_P1_268692_350	NW_004520861.1	Scaffold7610	350	GG	AA	1940559993
SNP_P1_268693_407	NW_004520861.1	Scaffold7610	407	AA	GG	1940559995
SNP_P1_268694_469	NW_004520861.1	Scaffold7610	469	CC	AA	1940559997
SNP_P1_268695_654	NW_004520861.1	Scaffold7610	654	GG	AA	1940559999
SNP_P1_268696_1094	NW_004520861.1	Scaffold7610	1094	AA	GG	1940560001
SNP_P1_268697_1113	NW_004520861.1	Scaffold7610	1113	GG	AA	1940560003
SNP_P1_268698_619	NW_004520864.1	Scaffold7616	619	GG	TT	1940560005
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SNP_P1_268701_1001	NW_004520864.1	Scaffold7616	1001	AA	GG	1940560012
SNP_P1_268702_1016	NW_004520864.1	Scaffold7616	1016	CC	TT	1940560014
SNP_P1_268703_1070	NW_004520864.1	Scaffold7616	1070	CC	TT	1940560016
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SNP_P1_268706_219	NW_004520865.1	Scaffold7617	219	AA	TT	1940560022
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SNP_P1_268709_250	NW_004520865.1	Scaffold7617	250	TT	CC	1940560028
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SNP_P1_268712_309	NW_004520865.1	Scaffold7617	309	GG	TT	1940560035
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SNP_P1_268714_385	NW_004520865.1	Scaffold7617	385	GG	CC	1940560039
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SNP_P1_268718_457	NW_004520865.1	Scaffold7617	457	GG	AA	1940560047
SNP_P1_268719_488	NW_004520865.1	Scaffold7617	488	CC	TT	1940560049
SNP_P1_268720_498	NW_004520865.1	Scaffold7617	498	AA	GG	1940560051
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SNP_P1_268722_534	NW_004520865.1	Scaffold7617	534	TT	CC	1940560055
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SNP_P1_268725_700	NW_004520865.1	Scaffold7617	700	GG	TT	1940560060
SNP_P1_268726_713	NW_004520865.1	Scaffold7617	713	CC	AA	1940560062
SNP_P1_268727_714	NW_004520865.1	Scaffold7617	714	CC	TT	1940560064
SNP_P1_268728_731	NW_004520865.1	Scaffold7617	731	GG	AA	1940560066

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268732_831	NW_004520865.1	Scaffold7617	831	AA	TT	1940560074
SNP_P1_268733_834	NW_004520865.1	Scaffold7617	834	AA	CC	1940560076
SNP_P1_268734_856	NW_004520865.1	Scaffold7617	856	GG	TT	1940560079
SNP_P1_268735_873	NW_004520865.1	Scaffold7617	873	AA	TT	1940560081
SNP_P1_268736_895	NW_004520865.1	Scaffold7617	895	TT	GG	1940560083
SNP_P1_268737_917	NW_004520865.1	Scaffold7617	917	GG	CC	1940560085
SNP_P1_268738_943	NW_004520865.1	Scaffold7617	943	AA	CC	1940560087
SNP_P1_268739_953	NW_004520865.1	Scaffold7617	953	CC	AA	1940560089
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SNP_P1_268742_1022	NW_004520865.1	Scaffold7617	1022	TT	GG	1940560095
SNP_P1_268743_1024	NW_004520865.1	Scaffold7617	1024	AA	GG	1940560097
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SNP_P1_268746_1055	NW_004520865.1	Scaffold7617	1055	CC	TT	1940560102
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SNP_P1_268761_98	NW_004520868.1	Scaffold7624	98	TT	GG	1940560133
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SNP_P1_268764_873	NW_004520876.1	Scaffold7642	873	AA	CC	1940560137
SNP_P1_268765_876	NW_004520876.1	Scaffold7642	876	AA	TT	1940560139
SNP_P1_268766_890	NW_004520876.1	Scaffold7642	890	CC	GG	1940560141
SNP_P1_268767_258	NW_004520877.1	Scaffold7644	258	TT	CC	1940560143
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SNP_P1_268769_83	NW_004520879.1	Scaffold7650	83	TT	CC	1940560148
SNP_P1_268770_9099	NW_004520879.1	Scaffold7650	9099	TT	GG	1940560150
SNP_P1_268772_9781	NW_004520879.1	Scaffold7650	9781	GG	AA	1940560152
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268779_802	NW_004520885.1	Scaffold7657	802	GG	AA	1940560162
SNP_P1_268780_373	NW_004520886.1	Scaffold7660	373	GG	TT	1940560164
SNP_P1_268781_398	NW_004520886.1	Scaffold7660	398	CC	AA	1940560166
SNP_P1_268782_411	NW_004520886.1	Scaffold7660	411	TT	GG	1940560168
SNP_P1_268783_419	NW_004520886.1	Scaffold7660	419	GG	AA	1940560171
SNP_P1_268784_572	NW_004520886.1	Scaffold7660	572	GG	AA	1940560173
SNP_P1_268785_697	NW_004520887.1	Scaffold7661	697	CC	TT	1940560175
SNP_P1_268786_834	NW_004520887.1	Scaffold7661	834	CC	AA	1940560177
SNP_P1_268788_1162	NW_004520887.1	Scaffold7661	1162	TT	AA	1940560179
SNP_P1_268789_1166	NW_004520887.1	Scaffold7661	1166	CC	AA	1940560181
SNP_P1_268790_92	NW_004520888.1	Scaffold7663	92	GG	AA	1940560183
SNP_P1_268792_2653	NW_004520896.1	Scaffold7679	2653	GG	CC	1940560185
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SNP_P1_268802_444	NW_004520908.1	Scaffold7697	444	GG	CC	1940560206
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SNP_P1_268809_980	NW_004520908.1	Scaffold7697	980	TT	CC	1940560219
SNP_P1_268810_411	NW_004520909.1	Scaffold7698	411	AA	TT	1940560221
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SNP_P1_268812_420	NW_004520909.1	Scaffold7698	420	AA	GG	1940560225
SNP_P1_268813_668	NW_004520909.1	Scaffold7698	668	GG	CC	1940560227
SNP_P1_268814_704	NW_004520909.1	Scaffold7698	704	AA	TT	1940560229
SNP_P1_268815_798	NW_004520909.1	Scaffold7698	798	GG	AA	1940560231
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SNP_P1_268818_890	NW_004520909.1	Scaffold7698	890	AA	GG	1940560238
SNP_P1_268820_979	NW_004520909.1	Scaffold7698	979	CC	GG	1940560240
SNP_P1_268821_1012	NW_004520909.1	Scaffold7698	1012	AA	GG	1940560242

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268824_1222	NW_004520909.1	Scaffold7698	1222	CC	TT	1940560248
SNP_P1_268825_1197	NW_004520910.1	Scaffold7699	1197	CC	TT	1940560250
SNP_P1_268826_1201	NW_004520910.1	Scaffold7699	1201	TT	AA	1940560252
SNP_P1_268827_1300	NW_004520910.1	Scaffold7699	1300	GG	AA	1940560254
SNP_P1_268828_542	NW_004520912.1	Scaffold7701	542	AA	TT	1940560256
SNP_P1_268829_166	NW_004520915.1	Scaffold7704	166	GG	AA	1940560259
SNP_P1_268830_174	NW_004520915.1	Scaffold7704	174	AA	CC	1940560261
SNP_P1_268831_254	NW_004520915.1	Scaffold7704	254	TT	AA	1940560263
SNP_P1_268832_264	NW_004520915.1	Scaffold7704	264	AA	TT	1940560265
SNP_P1_268833_276	NW_004520915.1	Scaffold7704	276	CC	GG	1940560267
SNP_P1_268834_304	NW_004520915.1	Scaffold7704	304	AA	TT	1940560269
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SNP_P1_268836_5228	NW_004520919.1	Scaffold7715	5228	GG	TT	1940560273
SNP_P1_268837_5252	NW_004520919.1	Scaffold7715	5252	AA	TT	1940560275
SNP_P1_268838_5258	NW_004520919.1	Scaffold7715	5258	GG	CC	1940560277
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SNP_P1_268845_1159	NW_004520920.1	Scaffold7716	1159	CC	GG	1940560292
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SNP_P1_268859_3524	NW_004520923.1	Scaffold7724	3524	CC	TT	1940560319
SNP_P1_268860_3543	NW_004520923.1	Scaffold7724	3543	GG	TT	1940560321
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SNP_P1_268862_3569	NW_004520923.1	Scaffold7724	3569	GG	TT	1940560326
SNP_P1_268863_3578	NW_004520923.1	Scaffold7724	3578	CC	AA	1940560328
SNP_P1_268864_7882	NW_004520923.1	Scaffold7724	7882	AA	GG	1940560330

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268867_1182	NW_004520927.1	Scaffold7731	1182	TT	CC	1940560336
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SNP_P1_268869_462	NW_004520932.1	Scaffold7739	462	CC	TT	1940560340
SNP_P1_268870_477	NW_004520932.1	Scaffold7739	477	CC	AA	1940560342
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SNP_P1_268872_269	NW_004520933.1	Scaffold7740	269	AA	GG	1940560346
SNP_P1_268873_486	NW_004520933.1	Scaffold7740	486	GG	AA	1940560349
SNP_P1_268874_696	NW_004520933.1	Scaffold7740	696	TT	GG	1940560351
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SNP_P1_268876_1627	NW_004520933.1	Scaffold7740	1627	TT	CC	1940560355
SNP_P1_268877_1651	NW_004520933.1	Scaffold7740	1651	TT	AA	1940560357
SNP_P1_268878_1673	NW_004520933.1	Scaffold7740	1673	AA	TT	1940560359
SNP_P1_268879_1686	NW_004520933.1	Scaffold7740	1686	AA	TT	1940560361
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SNP_P1_268893_813	NW_004520938.1	Scaffold7753	813	GG	TT	1940560388
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SNP_P1_268895_893	NW_004520938.1	Scaffold7753	893	CC	AA	1940560393
SNP_P1_268896_924	NW_004520938.1	Scaffold7753	924	TT	AA	1940560395
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SNP_P1_268898_64	NW_004520941.1	Scaffold7765	64	CC	AA	1940560399
SNP_P1_268899_109	NW_004520941.1	Scaffold7765	109	AA	GG	1940560401
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SNP_P1_268901_503	NW_004520941.1	Scaffold7765	503	CC	TT	1940560405
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SNP_P1_268904_960	NW_004520941.1	Scaffold7765	960	CC	GG	1940560411
SNP_P1_268906_1063	NW_004520941.1	Scaffold7765	1063	TT	GG	1940560414
SNP_P1_268907_470	NW_004520942.1	Scaffold7767	470	GG	AA	1940560416
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268912_1302	NW_004520948.1	Scaffold7776	1302	CC	TT	1940560424
SNP_P1_268913_64	NW_004520950.1	Scaffold7778	64	CC	TT	1940560426
SNP_P1_268914_84	NW_004520950.1	Scaffold7778	84	CC	AA	1940560428
SNP_P1_268915_195	NW_004520950.1	Scaffold7778	195	CC	TT	1940560430
SNP_P1_268916_268	NW_004520950.1	Scaffold7778	268	AA	CC	1940560432
SNP_P1_268917_433	NW_004520950.1	Scaffold7778	433	AA	GG	1940560434
SNP_P1_268918_447	NW_004520950.1	Scaffold7778	447	TT	CC	1940560437
SNP_P1_268919_451	NW_004520950.1	Scaffold7778	451	TT	CC	1940560439
SNP_P1_268920_614	NW_004520950.1	Scaffold7778	614	GG	AA	1940560441
SNP_P1_268921_815	NW_004520950.1	Scaffold7778	815	TT	CC	1940560443
SNP_P1_268922_923	NW_004520950.1	Scaffold7778	923	TT	AA	1940560445
SNP_P1_268923_927	NW_004520950.1	Scaffold7778	927	AA	CC	1940560447
SNP_P1_268925_801	NW_004520959.1	Scaffold7795	801	TT	CC	1940560449
SNP_P1_268926_1508	NW_004520960.1	Scaffold7797	1508	CC	TT	1940560451
SNP_P1_268927_1652	NW_004520960.1	Scaffold7797	1652	TT	CC	1940560453
SNP_P1_268929_1892	NW_004520960.1	Scaffold7797	1892	CC	TT	1940560455
SNP_P1_268930_2086	NW_004520960.1	Scaffold7797	2086	CC	AA	1940560457
SNP_P1_268931_16929	NW_004520962.1	Scaffold7800	16929	TT	CC	1940560460
SNP_P1_268933_2779	NW_004520963.1	Scaffold7801	2779	TT	GG	1940560462
SNP_P1_268934_64	NW_004520964.1	Scaffold7802	64	CC	TT	1940560464
SNP_P1_268935_117	NW_004520964.1	Scaffold7802	117	TT	CC	1940560466
SNP_P1_268936_438	NW_004520964.1	Scaffold7802	438	TT	AA	1940560468
SNP_P1_268937_442	NW_004520964.1	Scaffold7802	442	GG	CC	1940560470
SNP_P1_268938_1356	NW_004520964.1	Scaffold7802	1356	CC	GG	1940560472
SNP_P1_268939_1361	NW_004520964.1	Scaffold7802	1361	CC	TT	1940560474
SNP_P1_268940_2884	NW_004520964.1	Scaffold7802	2884	AA	CC	1940560476
SNP_P1_268941_2915	NW_004520964.1	Scaffold7802	2915	AA	GG	1940560478
SNP_P1_268942_3161	NW_004520964.1	Scaffold7802	3161	GG	AA	1940560481
SNP_P1_268943_3175	NW_004520964.1	Scaffold7802	3175	AA	GG	1940560483
SNP_P1_268944_3200	NW_004520964.1	Scaffold7802	3200	GG	AA	1940560485
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SNP_P1_268948_84	NW_004520966.1	Scaffold7805	84	AA	GG	1940560493
SNP_P1_268949_752	NW_004520966.1	Scaffold7805	752	GG	AA	1940560495
SNP_P1_268951_525	NW_004520967.1	Scaffold7807	525	CC	GG	1940560497
SNP_P1_268952_763	NW_004520967.1	Scaffold7807	763	CC	TT	1940560499
SNP_P1_268953_2009	NW_004520967.1	Scaffold7807	2009	GG	CC	1940560501
SNP_P1_268954_2078	NW_004520967.1	Scaffold7807	2078	AA	CC	1940560504
SNP_P1_268955_6025	NW_004520967.1	Scaffold7807	6025	GG	AA	1940560506

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_268957_469	NW_004520968.1	Scaffold7808	469	CC	AA	1940560510
SNP_P1_268958_475	NW_004520968.1	Scaffold7808	475	AA	TT	1940560512
SNP_P1_268959_544	NW_004520968.1	Scaffold7808	544	TT	CC	1940560514
SNP_P1_268960_547	NW_004520968.1	Scaffold7808	547	AA	TT	1940560516
SNP_P1_268961_605	NW_004520972.1	Scaffold7815	605	AA	GG	1940560518
SNP_P1_268962_5003	NW_004520972.1	Scaffold7815	5003	TT	AA	1940560520
SNP_P1_268963_497	NW_004520975.1	Scaffold7818	497	GG	AA	1940560522
SNP_P1_268964_51	NW_004520978.1	Scaffold7821	51	GG	TT	1940560524
SNP_P1_268966_174	NW_004520978.1	Scaffold7821	174	CC	TT	1940560527
SNP_P1_268967_180	NW_004520978.1	Scaffold7821	180	GG	AA	1940560529
SNP_P1_268968_200	NW_004520978.1	Scaffold7821	200	CC	GG	1940560531
SNP_P1_268969_201	NW_004520978.1	Scaffold7821	201	CC	TT	1940560533
SNP_P1_268970_203	NW_004520978.1	Scaffold7821	203	AA	TT	1940560535
SNP_P1_268971_207	NW_004520978.1	Scaffold7821	207	CC	TT	1940560537
SNP_P1_268972_219	NW_004520978.1	Scaffold7821	219	CC	TT	1940560539
SNP_P1_268973_238	NW_004520978.1	Scaffold7821	238	TT	CC	1940560541
SNP_P1_268974_285	NW_004520978.1	Scaffold7821	285	TT	CC	1940560543
SNP_P1_268975_291	NW_004520978.1	Scaffold7821	291	AA	GG	1940560545
SNP_P1_268976_301	NW_004520978.1	Scaffold7821	301	AA	CC	1940560548
SNP_P1_268977_306	NW_004520978.1	Scaffold7821	306	GG	AA	1940560550
SNP_P1_268978_436	NW_004520979.1	Scaffold7823	436	TT	CC	1940560552
SNP_P1_268979_458	NW_004520979.1	Scaffold7823	458	GG	TT	1940560554
SNP_P1_268980_1381	NW_004520979.1	Scaffold7823	1381	AA	GG	1940560556
SNP_P1_268981_1870	NW_004520979.1	Scaffold7823	1870	TT	GG	1940560558
SNP_P1_268982_2111	NW_004520979.1	Scaffold7823	2111	TT	CC	1940560560
SNP_P1_268983_2112	NW_004520979.1	Scaffold7823	2112	TT	CC	1940560562
SNP_P1_268984_2113	NW_004520979.1	Scaffold7823	2113	GG	CC	1940560564
SNP_P1_268986_2130	NW_004520979.1	Scaffold7823	2130	CC	TT	1940560566
SNP_P1_268987_2202	NW_004520979.1	Scaffold7823	2202	AA	GG	1940560568
SNP_P1_268988_2204	NW_004520979.1	Scaffold7823	2204	TT	CC	1940560571
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SNP_P1_268990_4800	NW_004520979.1	Scaffold7823	4800	TT	CC	1940560575
SNP_P1_268991_4825	NW_004520979.1	Scaffold7823	4825	GG	AA	1940560577
SNP_P1_268992_4844	NW_004520979.1	Scaffold7823	4844	CC	TT	1940560579
SNP_P1_268993_4863	NW_004520979.1	Scaffold7823	4863	AA	CC	1940560581
SNP_P1_268994_693	NW_004520980.1	Scaffold7825	693	CC	TT	1940560583
SNP_P1_268995_47	NW_004520983.1	Scaffold7834	47	GG	TT	1940560585
SNP_P1_268996_64	NW_004520983.1	Scaffold7834	64	AA	CC	1940560587
SNP_P1_268997_83	NW_004520983.1	Scaffold7834	83	AA	GG	1940560589
SNP_P1_268998_92	NW_004520983.1	Scaffold7834	92	TT	GG	1940560591
SNP_P1_268999_94	NW_004520983.1	Scaffold7834	94	AA	CC	1940560594

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_269000_102	NW_004520983.1	Scaffold7834	102	CC	TT	1940560596
SNP_P1_269001_1194	NW_004520985.1	Scaffold7837	1194	CC	TT	1940560598
SNP_P1_269002_1306	NW_004520985.1	Scaffold7837	1306	CC	TT	1940560600
SNP_P1_269003_1363	NW_004520985.1	Scaffold7837	1363	GG	TT	1940560602
SNP_P1_269004_1369	NW_004520985.1	Scaffold7837	1369	GG	AA	1940560604
SNP_P1_269005_1370	NW_004520985.1	Scaffold7837	1370	GG	AA	1940560606
SNP_P1_269006_1430	NW_004520985.1	Scaffold7837	1430	TT	CC	1940560608
SNP_P1_269007_1432	NW_004520985.1	Scaffold7837	1432	TT	AA	1940560610
SNP_P1_269008_1738	NW_004520985.1	Scaffold7837	1738	AA	TT	1940560612
SNP_P1_269009_4811	NW_004520986.1	Scaffold7839	4811	GG	AA	1940560614
SNP_P1_269010_4888	NW_004520986.1	Scaffold7839	4888	GG	CC	1940560617
SNP_P1_269012_19326	NW_004520987.1	Scaffold7842	19326	CC	AA	1940560619
SNP_P1_269013_19867	NW_004520987.1	Scaffold7842	19867	TT	CC	1940560621
SNP_P1_269015_20102	NW_004520987.1	Scaffold7842	20102	AA	GG	1940560623
SNP_P1_269016_20195	NW_004520987.1	Scaffold7842	20195	AA	GG	1940560625
SNP_P1_269017_20296	NW_004520987.1	Scaffold7842	20296	AA	TT	1940560627
SNP_P1_269018_20299	NW_004520987.1	Scaffold7842	20299	TT	AA	1940560629
SNP_P1_269019_20308	NW_004520987.1	Scaffold7842	20308	CC	GG	1940560631
SNP_P1_269020_20357	NW_004520987.1	Scaffold7842	20357	TT	AA	1940560633
SNP_P1_269022_20506	NW_004520987.1	Scaffold7842	20506	TT	CC	1940560635
SNP_P1_269023_20533	NW_004520987.1	Scaffold7842	20533	AA	TT	1940560638
SNP_P1_269025_794	NW_004520989.1	Scaffold7848	794	AA	GG	1940560640
SNP_P1_269026_632	NW_004520993.1	Scaffold7857	632	CC	TT	1940560642
SNP_P1_269027_634	NW_004520993.1	Scaffold7857	634	GG	CC	1940560644
SNP_P1_269028_638	NW_004520993.1	Scaffold7857	638	AA	CC	1940560646
SNP_P1_269029_642	NW_004520993.1	Scaffold7857	642	CC	AA	1940560648
SNP_P1_269030_646	NW_004520993.1	Scaffold7857	646	GG	AA	1940560650
SNP_P1_269031_647	NW_004520993.1	Scaffold7857	647	GG	AA	1940560652
SNP_P1_269032_727	NW_004520993.1	Scaffold7857	727	AA	TT	1940560654
SNP_P1_269033_728	NW_004520993.1	Scaffold7857	728	TT	GG	1940560656
SNP_P1_269034_792	NW_004520993.1	Scaffold7857	792	AA	CC	1940560659
SNP_P1_269035_1043	NW_004520993.1	Scaffold7857	1043	AA	TT	1940560661
SNP_P1_269036_1072	NW_004520993.1	Scaffold7857	1072	AA	TT	1940560663
SNP_P1_269037_1076	NW_004520993.1	Scaffold7857	1076	AA	TT	1940560665
SNP_P1_269038_501	NW_004520996.1	Scaffold7863	501	AA	GG	1940560667
SNP_P1_269039_551	NW_004520996.1	Scaffold7863	551	TT	CC	1940560669
SNP_P1_269040_1478	NW_004520999.1	Scaffold7868	1478	TT	GG	1940560671
SNP_P1_269041_1597	NW_004520999.1	Scaffold7868	1597	AA	TT	1940560673
SNP_P1_269042_1620	NW_004520999.1	Scaffold7868	1620	GG	CC	1940560675
SNP_P1_269043_520	NW_004521004.1	Scaffold7880	520	GG	TT	1940560677
SNP_P1_269044_587	NW_004521005.1	Scaffold7882	587	TT	CC	1940560679
SNP_P1_269045_845	NW_004521005.1	Scaffold7882	845	AA	CC	1940560682

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269049_42	NW_004521009.1	Scaffold7887	42	CC	AA	1940560686
SNP_P1_269050_64	NW_004521009.1	Scaffold7887	64	AA	GG	1940560688
SNP_P1_269051_92	NW_004521009.1	Scaffold7887	92	AA	GG	1940560690
SNP_P1_269053_163	NW_004521009.1	Scaffold7887	163	CC	TT	1940560692
SNP_P1_269054_251	NW_004521009.1	Scaffold7887	251	CC	TT	1940560694
SNP_P1_269055_258	NW_004521009.1	Scaffold7887	258	AA	CC	1940560696
SNP_P1_269056_577	NW_004521009.1	Scaffold7887	577	AA	GG	1940560698
SNP_P1_269057_157	NW_004521010.1	Scaffold7889	157	AA	TT	1940560700
SNP_P1_269058_1886	NW_004521010.1	Scaffold7889	1886	AA	TT	1940560702
SNP_P1_269059_1898	NW_004521010.1	Scaffold7889	1898	AA	GG	1940560705
SNP_P1_269060_1927	NW_004521010.1	Scaffold7889	1927	AA	GG	1940560707
SNP_P1_269062_427	NW_004521011.1	Scaffold7890	427	CC	TT	1940560709
SNP_P1_269063_438	NW_004521011.1	Scaffold7890	438	GG	AA	1940560711
SNP_P1_269064_481	NW_004521011.1	Scaffold7890	481	AA	TT	1940560713
SNP_P1_269065_530	NW_004521011.1	Scaffold7890	530	AA	CC	1940560715
SNP_P1_269066_605	NW_004521011.1	Scaffold7890	605	TT	GG	1940560717
SNP_P1_269067_673	NW_004521011.1	Scaffold7890	673	GG	AA	1940560719
SNP_P1_269069_773	NW_004521011.1	Scaffold7890	773	TT	CC	1940560721
SNP_P1_269070_774	NW_004521011.1	Scaffold7890	774	CC	TT	1940560723
SNP_P1_269071_796	NW_004521011.1	Scaffold7890	796	TT	CC	1940560725
SNP_P1_269072_841	NW_004521011.1	Scaffold7890	841	TT	CC	1940560728
SNP_P1_269073_2911	NW_004521012.1	Scaffold7891	2911	GG	AA	1940560730
SNP_P1_269074_2912	NW_004521012.1	Scaffold7891	2912	GG	CC	1940560732
SNP_P1_269075_2922	NW_004521012.1	Scaffold7891	2922	GG	AA	1940560734
SNP_P1_269076_3335	NW_004521012.1	Scaffold7891	3335	AA	GG	1940560736
SNP_P1_269077_3349	NW_004521012.1	Scaffold7891	3349	AA	TT	1940560738
SNP_P1_269078_3441	NW_004521012.1	Scaffold7891	3441	CC	AA	1940560740
SNP_P1_269079_3653	NW_004521012.1	Scaffold7891	3653	TT	GG	1940560742
SNP_P1_269080_3658	NW_004521012.1	Scaffold7891	3658	AA	CC	1940560744
SNP_P1_269081_3746	NW_004521012.1	Scaffold7891	3746	AA	GG	1940560746
SNP_P1_269082_3749	NW_004521012.1	Scaffold7891	3749	GG	TT	1940560748
SNP_P1_269084_3854	NW_004521012.1	Scaffold7891	3854	CC	TT	1940560751
SNP_P1_269085_3873	NW_004521012.1	Scaffold7891	3873	TT	CC	1940560753
SNP_P1_269086_3888	NW_004521012.1	Scaffold7891	3888	TT	CC	1940560755
SNP_P1_269087_4033	NW_004521012.1	Scaffold7891	4033	TT	GG	1940560757
SNP_P1_269088_4046	NW_004521012.1	Scaffold7891	4046	AA	CC	1940560759
SNP_P1_269089_4050	NW_004521012.1	Scaffold7891	4050	CC	TT	1940560761
SNP_P1_269090_4088	NW_004521012.1	Scaffold7891	4088	AA	GG	1940560763
SNP_P1_269091_4093	NW_004521012.1	Scaffold7891	4093	CC	TT	1940560765
SNP_P1_269092_4094	NW_004521012.1	Scaffold7891	4094	AA	GG	1940560767
SNP_P1_269093_4202	NW_004521012.1	Scaffold7891	4202	AA	CC	1940560769

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269095_4251	NW_004521012.1	Scaffold7891	4251	GG	AA	1940560774
SNP_P1_269096_4349	NW_004521012.1	Scaffold7891	4349	AA	GG	1940560776
SNP_P1_269097_4429	NW_004521012.1	Scaffold7891	4429	GG	TT	1940560778
SNP_P1_269098_4455	NW_004521012.1	Scaffold7891	4455	TT	CC	1940560780
SNP_P1_269099_4456	NW_004521012.1	Scaffold7891	4456	GG	AA	1940560782
SNP_P1_269100_4496	NW_004521012.1	Scaffold7891	4496	TT	CC	1940560784
SNP_P1_269101_4525	NW_004521012.1	Scaffold7891	4525	AA	CC	1940560786
SNP_P1_269102_4540	NW_004521012.1	Scaffold7891	4540	TT	CC	1940560788
SNP_P1_269103_4547	NW_004521012.1	Scaffold7891	4547	CC	GG	1940560790
SNP_P1_269104_4572	NW_004521012.1	Scaffold7891	4572	CC	TT	1940560792
SNP_P1_269105_4736	NW_004521012.1	Scaffold7891	4736	TT	CC	1940560795
SNP_P1_269106_4867	NW_004521012.1	Scaffold7891	4867	AA	GG	1940560797
SNP_P1_269107_95	NW_004521017.1	Scaffold7898	95	TT	CC	1940560799
SNP_P1_269108_121	NW_004521017.1	Scaffold7898	121	TT	GG	1940560801
SNP_P1_269109_325	NW_004521017.1	Scaffold7898	325	TT	AA	1940560803
SNP_P1_269110_326	NW_004521017.1	Scaffold7898	326	CC	TT	1940560805
SNP_P1_269111_398	NW_004521017.1	Scaffold7898	398	AA	TT	1940560807
SNP_P1_269112_975	NW_004521017.1	Scaffold7898	975	TT	CC	1940560809
SNP_P1_269113_1004	NW_004521017.1	Scaffold7898	1004	AA	TT	1940560811
SNP_P1_269114_299	NW_004521019.1	Scaffold7902	299	CC	AA	1940560813
SNP_P1_269115_422	NW_004521019.1	Scaffold7902	422	TT	GG	1940560815
SNP_P1_269116_664	NW_004521019.1	Scaffold7902	664	CC	TT	1940560818
SNP_P1_269118_905	NW_004521019.1	Scaffold7902	905	GG	AA	1940560820
SNP_P1_269119_1458	NW_004521019.1	Scaffold7902	1458	TT	CC	1940560822
SNP_P1_269120_1549	NW_004521019.1	Scaffold7902	1549	AA	GG	1940560824
SNP_P1_269121_1573	NW_004521019.1	Scaffold7902	1573	AA	GG	1940560826
SNP_P1_269122_1764	NW_004521019.1	Scaffold7902	1764	AA	GG	1940560828
SNP_P1_269123_1958	NW_004521022.1	Scaffold7906	1958	CC	TT	1940560830
SNP_P1_269124_2015	NW_004521022.1	Scaffold7906	2015	GG	AA	1940560832
SNP_P1_269125_2178	NW_004521022.1	Scaffold7906	2178	TT	AA	1940560834
SNP_P1_269126_2211	NW_004521022.1	Scaffold7906	2211	TT	AA	1940560836
SNP_P1_269127_2217	NW_004521022.1	Scaffold7906	2217	AA	TT	1940560838
SNP_P1_269128_2429	NW_004521022.1	Scaffold7906	2429	GG	CC	1940560841
SNP_P1_269129_4657	NW_004521029.1	Scaffold7922	4657	TT	CC	1940560843
SNP_P1_269131_4834	NW_004521029.1	Scaffold7922	4834	AA	TT	1940560845
SNP_P1_269132_4850	NW_004521029.1	Scaffold7922	4850	AA	GG	1940560847
SNP_P1_269133_4960	NW_004521029.1	Scaffold7922	4960	GG	AA	1940560849
SNP_P1_269134_5044	NW_004521029.1	Scaffold7922	5044	GG	AA	1940560851
SNP_P1_269135_5134	NW_004521029.1	Scaffold7922	5134	AA	TT	1940560853
SNP_P1_269137_5344	NW_004521029.1	Scaffold7922	5344	CC	TT	1940560855
SNP_P1_269138_5575	NW_004521029.1	Scaffold7922	5575	AA	TT	1940560857

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269141_22091	NW_004521030.1	Scaffold7923	22091	CC	TT	1940560862
SNP_P1_269143_22265	NW_004521030.1	Scaffold7923	22265	TT	CC	1940560864
SNP_P1_269144_22306	NW_004521030.1	Scaffold7923	22306	TT	CC	1940560866
SNP_P1_269145_22310	NW_004521030.1	Scaffold7923	22310	AA	TT	1940560868
SNP_P1_269147_22409	NW_004521030.1	Scaffold7923	22409	AA	GG	1940560870
SNP_P1_269148_22422	NW_004521030.1	Scaffold7923	22422	CC	AA	1940560872
SNP_P1_269149_22440	NW_004521030.1	Scaffold7923	22440	GG	AA	1940560874
SNP_P1_269150_22548	NW_004521030.1	Scaffold7923	22548	CC	TT	1940560876
SNP_P1_269151_22561	NW_004521030.1	Scaffold7923	22561	GG	TT	1940560878
SNP_P1_269152_22619	NW_004521030.1	Scaffold7923	22619	AA	GG	1940560880
SNP_P1_269153_22778	NW_004521030.1	Scaffold7923	22778	AA	GG	1940560883
SNP_P1_269154_22782	NW_004521030.1	Scaffold7923	22782	GG	TT	1940560885
SNP_P1_269155_22830	NW_004521030.1	Scaffold7923	22830	CC	TT	1940560887
SNP_P1_269156_22866	NW_004521030.1	Scaffold7923	22866	AA	TT	1940560889
SNP_P1_269157_22874	NW_004521030.1	Scaffold7923	22874	GG	CC	1940560891
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SNP_P1_269160_23131	NW_004521030.1	Scaffold7923	23131	AA	GG	1940560897
SNP_P1_269161_23135	NW_004521030.1	Scaffold7923	23135	TT	CC	1940560899
SNP_P1_269162_24953	NW_004521030.1	Scaffold7923	24953	TT	CC	1940560901
SNP_P1_269165_25947	NW_004521030.1	Scaffold7923	25947	CC	TT	1940560903
SNP_P1_269166_4538	NW_004521032.1	Scaffold7927	4538	TT	CC	1940560906
SNP_P1_269167_191	NW_004521035.1	Scaffold7934	191	AA	GG	1940560908
SNP_P1_269168_359	NW_004521035.1	Scaffold7934	359	CC	TT	1940560910
SNP_P1_269169_590	NW_004521035.1	Scaffold7934	590	GG	TT	1940560912
SNP_P1_269170_1789	NW_004521035.1	Scaffold7934	1789	TT	CC	1940560914
SNP_P1_269171_2136	NW_004521035.1	Scaffold7934	2136	AA	GG	1940560916
SNP_P1_269172_2148	NW_004521035.1	Scaffold7934	2148	CC	TT	1940560918
SNP_P1_269173_2292	NW_004521035.1	Scaffold7934	2292	TT	CC	1940560920
SNP_P1_269174_2448	NW_004521035.1	Scaffold7934	2448	TT	GG	1940560922
SNP_P1_269175_2463	NW_004521035.1	Scaffold7934	2463	TT	AA	1940560924
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SNP_P1_269177_2678	NW_004521035.1	Scaffold7934	2678	GG	AA	1940560929
SNP_P1_269178_2837	NW_004521035.1	Scaffold7934	2837	GG	AA	1940560931
SNP_P1_269179_2912	NW_004521035.1	Scaffold7934	2912	TT	AA	1940560933
SNP_P1_269180_3009	NW_004521035.1	Scaffold7934	3009	AA	TT	1940560935
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SNP_P1_269182_3099	NW_004521035.1	Scaffold7934	3099	TT	CC	1940560939
SNP_P1_269183_3160	NW_004521035.1	Scaffold7934	3160	TT	GG	1940560941
SNP_P1_269184_3763	NW_004521035.1	Scaffold7934	3763	TT	CC	1940560943
SNP_P1_269185_3787	NW_004521035.1	Scaffold7934	3787	AA	GG	1940560945

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269188_509	NW_004521039.1	Scaffold7943	509	AA	GG	1940560952
SNP_P1_269189_583	NW_004521039.1	Scaffold7943	583	CC	GG	1940560954
SNP_P1_269190_593	NW_004521039.1	Scaffold7943	593	TT	CC	1940560956
SNP_P1_269191_946	NW_004521046.1	Scaffold7956	946	GG	AA	1940560958
SNP_P1_269192_1067	NW_004521046.1	Scaffold7956	1067	CC	AA	1940560960
SNP_P1_269193_1134	NW_004521046.1	Scaffold7956	1134	GG	AA	1940560962
SNP_P1_269194_1367	NW_004521046.1	Scaffold7956	1367	CC	TT	1940560964
SNP_P1_269195_85	NW_004521048.1	Scaffold7958	85	GG	TT	1940560966
SNP_P1_269196_222	NW_004521048.1	Scaffold7958	222	GG	AA	1940560968
SNP_P1_269197_253	NW_004521048.1	Scaffold7958	253	TT	CC	1940560971
SNP_P1_269198_255	NW_004521048.1	Scaffold7958	255	AA	TT	1940560973
SNP_P1_269199_388	NW_004521048.1	Scaffold7958	388	GG	TT	1940560975
SNP_P1_269200_512	NW_004521048.1	Scaffold7958	512	TT	CC	1940560977
SNP_P1_269201_612	NW_004521048.1	Scaffold7958	612	CC	AA	1940560979
SNP_P1_269202_745	NW_004521048.1	Scaffold7958	745	TT	AA	1940560981
SNP_P1_269203_881	NW_004521048.1	Scaffold7958	881	AA	TT	1940560983
SNP_P1_269204_988	NW_004521048.1	Scaffold7958	988	TT	CC	1940560985
SNP_P1_269205_1010	NW_004521048.1	Scaffold7958	1010	AA	TT	1940560987
SNP_P1_269206_686	NW_004521049.1	Scaffold7961	686	AA	GG	1940560989
SNP_P1_269207_730	NW_004521049.1	Scaffold7961	730	AA	TT	1940560991
SNP_P1_269208_898	NW_004521049.1	Scaffold7961	898	AA	GG	1940560994
SNP_P1_269209_946	NW_004521049.1	Scaffold7961	946	GG	AA	1940560996
SNP_P1_269210_64	NW_004521050.1	Scaffold7962	64	TT	CC	1940560998
SNP_P1_269212_2371	NW_004521052.1	Scaffold7967	2371	TT	CC	1940561000
SNP_P1_269213_2477	NW_004521052.1	Scaffold7967	2477	CC	GG	1940561002
SNP_P1_269214_4628	NW_004521057.1	Scaffold7980	4628	AA	TT	1940561004
SNP_P1_269215_296	NW_004521059.1	Scaffold7985	296	CC	AA	1940561006
SNP_P1_269216_352	NW_004521059.1	Scaffold7985	352	AA	TT	1940561008
SNP_P1_269217_572	NW_004521059.1	Scaffold7985	572	AA	GG	1940561010
SNP_P1_269218_618	NW_004521059.1	Scaffold7985	618	AA	GG	1940561012
SNP_P1_269219_653	NW_004521059.1	Scaffold7985	653	CC	GG	1940561015
SNP_P1_269220_668	NW_004521059.1	Scaffold7985	668	TT	CC	1940561017
SNP_P1_269221_688	NW_004521059.1	Scaffold7985	688	TT	CC	1940561019
SNP_P1_269222_713	NW_004521059.1	Scaffold7985	713	GG	AA	1940561021
SNP_P1_269223_718	NW_004521059.1	Scaffold7985	718	AA	GG	1940561023
SNP_P1_269224_742	NW_004521059.1	Scaffold7985	742	GG	TT	1940561025
SNP_P1_269225_747	NW_004521059.1	Scaffold7985	747	CC	GG	1940561027
SNP_P1_269226_775	NW_004521059.1	Scaffold7985	775	AA	TT	1940561029
SNP_P1_269227_785	NW_004521059.1	Scaffold7985	785	TT	GG	1940561031
SNP_P1_269228_812	NW_004521059.1	Scaffold7985	812	AA	CC	1940561033

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_269229_817	NW_004521059.1	Scaffold7985	817	CC	TT	1940561035
SNP_P1_269230_824	NW_004521059.1	Scaffold7985	824	TT	CC	1940561038
SNP_P1_269231_856	NW_004521059.1	Scaffold7985	856	TT	CC	1940561040
SNP_P1_269232_860	NW_004521059.1	Scaffold7985	860	TT	CC	1940561042
SNP_P1_269233_1111	NW_004521059.1	Scaffold7985	1111	TT	GG	1940561044
SNP_P1_269234_1136	NW_004521059.1	Scaffold7985	1136	TT	CC	1940561046
SNP_P1_269235_1171	NW_004521059.1	Scaffold7985	1171	TT	CC	1940561048
SNP_P1_269236_1189	NW_004521059.1	Scaffold7985	1189	AA	GG	1940561050
SNP_P1_269237_1233	NW_004521059.1	Scaffold7985	1233	AA	CC	1940561052
SNP_P1_269238_1270	NW_004521059.1	Scaffold7985	1270	AA	GG	1940561054
SNP_P1_269239_348	NW_004521062.1	Scaffold7989	348	TT	CC	1940561056
SNP_P1_269240_488	NW_004521062.1	Scaffold7989	488	TT	AA	1940561058
SNP_P1_269241_565	NW_004521062.1	Scaffold7989	565	TT	CC	1940561061
SNP_P1_269242_465	NW_004521063.1	Scaffold7990	465	GG	CC	1940561063
SNP_P1_269243_473	NW_004521063.1	Scaffold7990	473	CC	TT	1940561065
SNP_P1_269244_929	NW_004521063.1	Scaffold7990	929	TT	GG	1940561067
SNP_P1_269245_978	NW_004521063.1	Scaffold7990	978	GG	AA	1940561069
SNP_P1_269246_1039	NW_004521063.1	Scaffold7990	1039	TT	AA	1940561071
SNP_P1_269247_1169	NW_004521063.1	Scaffold7990	1169	AA	GG	1940561073
SNP_P1_269248_1248	NW_004521063.1	Scaffold7990	1248	TT	AA	1940561075
SNP_P1_269249_1278	NW_004521063.1	Scaffold7990	1278	AA	TT	1940561077
SNP_P1_269250_1510	NW_004521063.1	Scaffold7990	1510	CC	TT	1940561079
SNP_P1_269251_1649	NW_004521063.1	Scaffold7990	1649	AA	GG	1940561081
SNP_P1_269252_4510	NW_004521071.1	Scaffold8004	4510	GG	AA	1940561084
SNP_P1_269253_4616	NW_004521071.1	Scaffold8004	4616	AA	GG	1940561086
SNP_P1_269254_4622	NW_004521071.1	Scaffold8004	4622	AA	CC	1940561088
SNP_P1_269255_104	NW_004521076.1	Scaffold8015	104	TT	AA	1940561090
SNP_P1_269256_238	NW_004521076.1	Scaffold8015	238	TT	CC	1940561092
SNP_P1_269257_279	NW_004521076.1	Scaffold8015	279	TT	CC	1940561094
SNP_P1_269258_356	NW_004521076.1	Scaffold8015	356	GG	AA	1940561096
SNP_P1_269259_496	NW_004521076.1	Scaffold8015	496	AA	GG	1940561098
SNP_P1_269260_665	NW_004521076.1	Scaffold8015	665	TT	AA	1940561100
SNP_P1_269261_3140	NW_004521079.1	Scaffold8018	3140	CC	AA	1940561102
SNP_P1_269262_6960	NW_004521079.1	Scaffold8018	6960	CC	TT	1940561105
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SNP_P1_269264_7100	NW_004521079.1	Scaffold8018	7100	TT	AA	1940561109
SNP_P1_269265_7433	NW_004521079.1	Scaffold8018	7433	AA	GG	1940561111
SNP_P1_269266_7687	NW_004521079.1	Scaffold8018	7687	CC	TT	1940561113
SNP_P1_269267_478	NW_004521080.1	Scaffold8023	478	TT	AA	1940561115
SNP_P1_269268_577	NW_004521080.1	Scaffold8023	577	GG	CC	1940561117
SNP_P1_269269_652	NW_004521080.1	Scaffold8023	652	GG	AA	1940561119
SNP_P1_269270_699	NW_004521080.1	Scaffold8023	699	CC	TT	1940561121

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269272_1342	NW_004521081.1	Scaffold8025	1342	AA	TT	1940561126
SNP_P1_269273_526	NW_004521082.1	Scaffold8029	526	CC	TT	1940561128
SNP_P1_269274_570	NW_004521082.1	Scaffold8029	570	AA	GG	1940561130
SNP_P1_269275_5247	NW_004521083.1	Scaffold8030	5247	CC	GG	1940561132
SNP_P1_269276_5356	NW_004521083.1	Scaffold8030	5356	CC	AA	1940561134
SNP_P1_269277_5378	NW_004521083.1	Scaffold8030	5378	AA	GG	1940561136
SNP_P1_269278_5380	NW_004521083.1	Scaffold8030	5380	CC	TT	1940561138
SNP_P1_269279_5557	NW_004521083.1	Scaffold8030	5557	TT	CC	1940561140
SNP_P1_269280_6397	NW_004521083.1	Scaffold8030	6397	CC	TT	1940561142
SNP_P1_269281_6587	NW_004521083.1	Scaffold8030	6587	CC	TT	1940561144
SNP_P1_269282_6637	NW_004521083.1	Scaffold8030	6637	TT	AA	1940561146
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SNP_P1_269286_552	NW_004521092.1	Scaffold8050	552	AA	GG	1940561153
SNP_P1_269287_1034	NW_004521092.1	Scaffold8050	1034	AA	TT	1940561155
SNP_P1_269288_1120	NW_004521092.1	Scaffold8050	1120	TT	CC	1940561157
SNP_P1_269289_1327	NW_004521092.1	Scaffold8050	1327	TT	AA	1940561159
SNP_P1_269290_1479	NW_004521092.1	Scaffold8050	1479	GG	TT	1940561161
SNP_P1_269292_690	NW_004521094.1	Scaffold8051	690	AA	GG	1940561163
SNP_P1_269293_1344	NW_004521094.1	Scaffold8052	1344	TT	CC	1940561165
SNP_P1_269294_295	NW_004521095.1	Scaffold8054	295	AA	GG	1940561167
SNP_P1_269295_352	NW_004521095.1	Scaffold8054	352	AA	TT	1940561169
SNP_P1_269296_377	NW_004521095.1	Scaffold8054	377	TT	AA	1940561172
SNP_P1_269297_430	NW_004521095.1	Scaffold8054	430	AA	GG	1940561174
SNP_P1_269298_545	NW_004521095.1	Scaffold8054	545	GG	AA	1940561176
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SNP_P1_269300_1755	NW_004521095.1	Scaffold8054	1755	AA	GG	1940561180
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SNP_P1_269302_1972	NW_004521095.1	Scaffold8054	1972	CC	TT	1940561184
SNP_P1_269303_2045	NW_004521095.1	Scaffold8054	2045	CC	GG	1940561186
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SNP_P1_269305_2080	NW_004521095.1	Scaffold8054	2080	AA	TT	1940561190
SNP_P1_269306_2151	NW_004521095.1	Scaffold8054	2151	GG	AA	1940561192
SNP_P1_269307_2172	NW_004521095.1	Scaffold8054	2172	TT	CC	1940561195
SNP_P1_269308_2182	NW_004521095.1	Scaffold8054	2182	AA	TT	1940561197
SNP_P1_269309_2303	NW_004521095.1	Scaffold8054	2303	AA	TT	1940561199
SNP_P1_269310_3129	NW_004521095.1	Scaffold8054	3129	CC	AA	1940561201
SNP_P1_269311_3267	NW_004521095.1	Scaffold8054	3267	CC	GG	1940561203
SNP_P1_269312_3315	NW_004521095.1	Scaffold8054	3315	GG	AA	1940561205
SNP_P1_269313_3562	NW_004521095.1	Scaffold8054	3562	TT	CC	1940561207
SNP_P1_269314_3632	NW_004521095.1	Scaffold8054	3632	TT	CC	1940561209

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269316_325	NW_004521098.1	Scaffold8061	325	TT	GG	1940561213
SNP_P1_269317_64	NW_004521100.1	Scaffold8063	64	TT	GG	1940561216
SNP_P1_269318_86	NW_004521100.1	Scaffold8063	86	TT	GG	1940561218
SNP_P1_269319_93	NW_004521100.1	Scaffold8063	93	CC	TT	1940561220
SNP_P1_269320_104	NW_004521100.1	Scaffold8063	104	AA	CC	1940561222
SNP_P1_269321_155	NW_004521100.1	Scaffold8063	155	AA	GG	1940561224
SNP_P1_269322_532	NW_004521100.1	Scaffold8063	532	AA	GG	1940561226
SNP_P1_269324_572	NW_004521100.1	Scaffold8063	572	CC	TT	1940561228
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SNP_P1_269326_576	NW_004521100.1	Scaffold8063	576	CC	AA	1940561232
SNP_P1_269327_60	NW_004521102.1	Scaffold8066	60	TT	CC	1940561234
SNP_P1_269328_86	NW_004521102.1	Scaffold8066	86	TT	AA	1940561236
SNP_P1_269329_233	NW_004521102.1	Scaffold8066	233	CC	AA	1940561239
SNP_P1_269330_445	NW_004521103.1	Scaffold8068	445	GG	AA	1940561241
SNP_P1_269331_478	NW_004521103.1	Scaffold8068	478	TT	CC	1940561243
SNP_P1_269332_511	NW_004521103.1	Scaffold8068	511	CC	AA	1940561245
SNP_P1_269333_557	NW_004521103.1	Scaffold8068	557	TT	AA	1940561247
SNP_P1_269334_788	NW_004521103.1	Scaffold8068	788	AA	CC	1940561249
SNP_P1_269335_894	NW_004521103.1	Scaffold8068	894	CC	GG	1940561251
SNP_P1_269336_633	NW_004521111.1	Scaffold8087	633	TT	CC	1940561253
SNP_P1_269337_637	NW_004521111.1	Scaffold8087	637	CC	TT	1940561255
SNP_P1_269338_756	NW_004521111.1	Scaffold8087	756	TT	CC	1940561257
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SNP_P1_269340_798	NW_004521111.1	Scaffold8087	798	GG	AA	1940561262
SNP_P1_269341_818	NW_004521111.1	Scaffold8087	818	GG	AA	1940561264
SNP_P1_269342_833	NW_004521111.1	Scaffold8087	833	AA	GG	1940561266
SNP_P1_269343_1008	NW_004521111.1	Scaffold8087	1008	TT	CC	1940561268
SNP_P1_269344_1319	NW_004521111.1	Scaffold8087	1319	CC	TT	1940561270
SNP_P1_269345_1322	NW_004521111.1	Scaffold8087	1322	TT	CC	1940561272
SNP_P1_269346_441	NW_004521113.1	Scaffold8092	441	TT	CC	1940561274
SNP_P1_269347_1544	NW_004521117.1	Scaffold8100	1544	TT	GG	1940561276
SNP_P1_269348_640	NW_004521119.1	Scaffold8104	640	AA	TT	1940561278
SNP_P1_269349_7178	NW_004521128.1	Scaffold8127	7178	CC	TT	1940561280
SNP_P1_269350_7977	NW_004521128.1	Scaffold8127	7977	CC	AA	1940561282
SNP_P1_269351_8285	NW_004521128.1	Scaffold8127	8285	TT	CC	1940561285
SNP_P1_269352_725	NW_004521130.1	Scaffold8131	725	AA	TT	1940561287
SNP_P1_269353_2409	NW_004521130.1	Scaffold8131	2409	TT	GG	1940561289
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SNP_P1_269357_684	NW_004521132.1	Scaffold8135	684	GG	AA	1940561293
SNP_P1_269358_769	NW_004521132.1	Scaffold8135	769	TT	CC	1940561295
SNP_P1_269359_1785	NW_004521134.1	Scaffold8140	1785	GG	AA	1940561297

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269361_2013	NW_004521134.1	Scaffold8140	2013	GG	AA	1940561301
SNP_P1_269363_1835	NW_004521141.1	Scaffold8154	1835	TT	AA	1940561303
SNP_P1_269364_1836	NW_004521141.1	Scaffold8154	1836	GG	AA	1940561305
SNP_P1_269366_1871	NW_004521141.1	Scaffold8154	1871	AA	GG	1940561308
SNP_P1_269367_1887	NW_004521141.1	Scaffold8154	1887	GG	AA	1940561310
SNP_P1_269368_1896	NW_004521141.1	Scaffold8154	1896	CC	GG	1940561312
SNP_P1_269370_591	NW_004521146.1	Scaffold8162	591	CC	TT	1940561314
SNP_P1_269371_915	NW_004521146.1	Scaffold8162	915	AA	GG	1940561316
SNP_P1_269372_969	NW_004521146.1	Scaffold8162	969	AA	TT	1940561318
SNP_P1_269373_1055	NW_004521146.1	Scaffold8162	1055	AA	CC	1940561320
SNP_P1_269374_1064	NW_004521146.1	Scaffold8162	1064	AA	GG	1940561322
SNP_P1_269375_195	NW_004521147.1	Scaffold8163	195	CC	TT	1940561324
SNP_P1_269376_210	NW_004521147.1	Scaffold8163	210	TT	CC	1940561326
SNP_P1_269377_234	NW_004521147.1	Scaffold8163	234	GG	AA	1940561329
SNP_P1_269378_291	NW_004521147.1	Scaffold8163	291	GG	AA	1940561331
SNP_P1_269379_300	NW_004521147.1	Scaffold8163	300	TT	AA	1940561333
SNP_P1_269380_369	NW_004521147.1	Scaffold8163	369	AA	GG	1940561335
SNP_P1_269381_581	NW_004521147.1	Scaffold8163	581	TT	AA	1940561337
SNP_P1_269382_619	NW_004521147.1	Scaffold8163	619	AA	GG	1940561339
SNP_P1_269383_632	NW_004521147.1	Scaffold8163	632	TT	CC	1940561341
SNP_P1_269384_638	NW_004521147.1	Scaffold8163	638	TT	CC	1940561343
SNP_P1_269385_665	NW_004521147.1	Scaffold8163	665	GG	AA	1940561345
SNP_P1_269386_2470	NW_004521148.1	Scaffold8164	2470	CC	TT	1940561347
SNP_P1_269387_2664	NW_004521148.1	Scaffold8164	2664	CC	TT	1940561349
SNP_P1_269388_2773	NW_004521148.1	Scaffold8164	2773	CC	GG	1940561352
SNP_P1_269389_2776	NW_004521148.1	Scaffold8164	2776	TT	CC	1940561354
SNP_P1_269390_4565	NW_004521148.1	Scaffold8164	4565	AA	TT	1940561356
SNP_P1_269391_733	NW_004521158.1	Scaffold8181	733	AA	TT	1940561358
SNP_P1_269392_451	NW_004521159.1	Scaffold8182	451	AA	TT	1940561360
SNP_P1_269394_673	NW_004521159.1	Scaffold8182	673	GG	AA	1940561362
SNP_P1_269395_1245	NW_004521159.1	Scaffold8182	1245	TT	CC	1940561364
SNP_P1_269396_1271	NW_004521159.1	Scaffold8182	1271	TT	GG	1940561366
SNP_P1_269397_1563	NW_004521159.1	Scaffold8182	1563	CC	GG	1940561368
SNP_P1_269398_1586	NW_004521159.1	Scaffold8182	1586	TT	CC	1940561370
SNP_P1_269399_486	NW_004521161.1	Scaffold8185	486	TT	CC	1940561372
SNP_P1_269400_591	NW_004521161.1	Scaffold8185	591	AA	TT	1940561375
SNP_P1_269401_598	NW_004521161.1	Scaffold8185	598	TT	CC	1940561377
SNP_P1_269402_617	NW_004521161.1	Scaffold8185	617	TT	CC	1940561379
SNP_P1_269403_661	NW_004521161.1	Scaffold8185	661	AA	GG	1940561381
SNP_P1_269404_676	NW_004521161.1	Scaffold8185	676	AA	TT	1940561383
SNP_P1_269405_902	NW_004521161.1	Scaffold8185	902	AA	TT	1940561385

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269407_3969	NW_004521167.1	Scaffold8196	3969	CC	TT	1940561389
SNP_P1_269408_3977	NW_004521167.1	Scaffold8196	3977	AA	CC	1940561391
SNP_P1_269409_3990	NW_004521167.1	Scaffold8196	3990	GG	CC	1940561393
SNP_P1_269410_426	NW_004521169.1	Scaffold8200	426	TT	AA	1940561396
SNP_P1_269411_431	NW_004521169.1	Scaffold8200	431	TT	CC	1940561398
SNP_P1_269412_434	NW_004521169.1	Scaffold8200	434	GG	AA	1940561400
SNP_P1_269413_435	NW_004521169.1	Scaffold8200	435	TT	GG	1940561402
SNP_P1_269414_456	NW_004521169.1	Scaffold8200	456	CC	TT	1940561404
SNP_P1_269415_742	NW_004521169.1	Scaffold8200	742	GG	AA	1940561406
SNP_P1_269416_1011	NW_004521169.1	Scaffold8200	1011	CC	TT	1940561408
SNP_P1_269417_1200	NW_004521169.1	Scaffold8200	1200	GG	CC	1940561410
SNP_P1_269418_275	NW_004521173.1	Scaffold8207	275	AA	GG	1940561412
SNP_P1_269419_361	NW_004521173.1	Scaffold8207	361	CC	TT	1940561414
SNP_P1_269420_440	NW_004521173.1	Scaffold8207	440	AA	TT	1940561416
SNP_P1_269421_636	NW_004521173.1	Scaffold8207	636	AA	GG	1940561419
SNP_P1_269422_700	NW_004521173.1	Scaffold8207	700	GG	AA	1940561421
SNP_P1_269423_707	NW_004521173.1	Scaffold8207	707	GG	AA	1940561423
SNP_P1_269424_790	NW_004521173.1	Scaffold8207	790	GG	AA	1940561425
SNP_P1_269425_949	NW_004521173.1	Scaffold8207	949	GG	TT	1940561427
SNP_P1_269426_977	NW_004521173.1	Scaffold8207	977	AA	GG	1940561429
SNP_P1_269427_1004	NW_004521173.1	Scaffold8207	1004	GG	TT	1940561431
SNP_P1_269428_1045	NW_004521173.1	Scaffold8207	1045	AA	CC	1940561433
SNP_P1_269429_984	NW_004521174.1	Scaffold8210	984	AA	GG	1940561435
SNP_P1_269430_986	NW_004521174.1	Scaffold8210	986	TT	AA	1940561437
SNP_P1_269431_1062	NW_004521174.1	Scaffold8210	1062	AA	GG	1940561439
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SNP_P1_269433_1282	NW_004521174.1	Scaffold8210	1282	AA	GG	1940561444
SNP_P1_269434_1283	NW_004521174.1	Scaffold8210	1283	AA	GG	1940561446
SNP_P1_269437_6354	NW_004521183.1	Scaffold8226	6354	AA	CC	1940561448
SNP_P1_269438_6518	NW_004521183.1	Scaffold8226	6518	TT	CC	1940561450
SNP_P1_269440_6564	NW_004521183.1	Scaffold8226	6564	AA	GG	1940561452
SNP_P1_269441_856	NW_004521186.1	Scaffold8232	856	CC	AA	1940561454
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SNP_P1_269444_1404	NW_004521186.1	Scaffold8232	1404	CC	TT	1940561460
SNP_P1_269445_1424	NW_004521186.1	Scaffold8232	1424	TT	CC	1940561463
SNP_P1_269446_516	NW_004521193.1	Scaffold8241	516	GG	AA	1940561465
SNP_P1_269447_1466	NW_004521193.1	Scaffold8241	1466	GG	CC	1940561467
SNP_P1_269448_1469	NW_004521193.1	Scaffold8241	1469	GG	CC	1940561469
SNP_P1_269449_1474	NW_004521193.1	Scaffold8241	1474	TT	AA	1940561471
SNP_P1_269450_2486	NW_004521193.1	Scaffold8241	2486	AA	TT	1940561473

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269452_516	NW_004521195.1	Scaffold8244	516	TT	AA	1940561477
SNP_P1_269453_524	NW_004521197.1	Scaffold8247	524	TT	CC	1940561479
SNP_P1_269454_525	NW_004521197.1	Scaffold8247	525	CC	TT	1940561481
SNP_P1_269455_623	NW_004521197.1	Scaffold8247	623	TT	CC	1940561483
SNP_P1_269456_908	NW_004521197.1	Scaffold8247	908	CC	GG	1940561486
SNP_P1_269457_2928	NW_004521201.1	Scaffold8253	2928	TT	CC	1940561488
SNP_P1_269458_3312	NW_004521201.1	Scaffold8253	3312	TT	AA	1940561490
SNP_P1_269459_3415	NW_004521201.1	Scaffold8253	3415	GG	CC	1940561492
SNP_P1_269460_3416	NW_004521201.1	Scaffold8253	3416	AA	CC	1940561494
SNP_P1_269461_3439	NW_004521201.1	Scaffold8253	3439	CC	AA	1940561496
SNP_P1_269462_3440	NW_004521201.1	Scaffold8253	3440	TT	CC	1940561498
SNP_P1_269463_3448	NW_004521201.1	Scaffold8253	3448	TT	AA	1940561500
SNP_P1_269464_3695	NW_004521201.1	Scaffold8253	3695	GG	AA	1940561502
SNP_P1_269465_3747	NW_004521201.1	Scaffold8253	3747	AA	TT	1940561504
SNP_P1_269466_3928	NW_004521201.1	Scaffold8253	3928	AA	GG	1940561506
SNP_P1_269467_20518	NW_004521205.1	Scaffold8259	20518	CC	AA	1940561509
SNP_P1_269469_64	NW_004521214.1	Scaffold8274	64	AA	GG	1940561511
SNP_P1_269470_123	NW_004521214.1	Scaffold8274	123	AA	GG	1940561513
SNP_P1_269471_124	NW_004521214.1	Scaffold8274	124	AA	TT	1940561515
SNP_P1_269472_75	NW_004521215.1	Scaffold8275	75	TT	AA	1940561517
SNP_P1_269473_210	NW_004521215.1	Scaffold8275	210	AA	TT	1940561519
SNP_P1_269474_256	NW_004521215.1	Scaffold8275	256	TT	AA	1940561521
SNP_P1_269475_263	NW_004521215.1	Scaffold8275	263	GG	AA	1940561523
SNP_P1_269476_391	NW_004521215.1	Scaffold8275	391	TT	GG	1940561525
SNP_P1_269477_483	NW_004521215.1	Scaffold8275	483	GG	CC	1940561527
SNP_P1_269478_510	NW_004521215.1	Scaffold8275	510	TT	CC	1940561529
SNP_P1_269479_346	NW_004521221.1	Scaffold8292	346	TT	CC	1940561532
SNP_P1_269480_90	NW_004521222.1	Scaffold8294	90	CC	TT	1940561534
SNP_P1_269481_242	NW_004521222.1	Scaffold8294	242	GG	AA	1940561536
SNP_P1_269482_360	NW_004521222.1	Scaffold8294	360	GG	AA	1940561538
SNP_P1_269483_536	NW_004521222.1	Scaffold8294	536	CC	AA	1940561540
SNP_P1_269484_31	NW_004521223.1	Scaffold8297	31	AA	GG	1940561542
SNP_P1_269485_61	NW_004521223.1	Scaffold8297	61	GG	TT	1940561544
SNP_P1_269486_62	NW_004521223.1	Scaffold8297	62	AA	CC	1940561546
SNP_P1_269487_63	NW_004521223.1	Scaffold8297	63	AA	TT	1940561548
SNP_P1_269488_79	NW_004521223.1	Scaffold8297	79	TT	GG	1940561550
SNP_P1_269490_425	NW_004521223.1	Scaffold8297	425	GG	AA	1940561552
SNP_P1_269491_1454	NW_004521223.1	Scaffold8297	1454	CC	TT	1940561555
SNP_P1_269492_1494	NW_004521223.1	Scaffold8297	1494	GG	AA	1940561557
SNP_P1_269493_1919	NW_004521223.1	Scaffold8297	1919	CC	AA	1940561559
SNP_P1_269494_1923	NW_004521223.1	Scaffold8297	1923	TT	AA	1940561561

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269496_1997	NW_004521223.1	Scaffold8297	1997	CC	AA	1940561565
SNP_P1_269497_2805	NW_004521223.1	Scaffold8297	2805	AA	TT	1940561567
SNP_P1_269498_2935	NW_004521223.1	Scaffold8297	2935	CC	AA	1940561569
SNP_P1_269499_3281	NW_004521223.1	Scaffold8297	3281	TT	CC	1940561571
SNP_P1_269500_3291	NW_004521223.1	Scaffold8297	3291	GG	AA	1940561573
SNP_P1_269501_1248	NW_004521224.1	Scaffold8301	1248	CC	TT	1940561576
SNP_P1_269503_6079	NW_004521224.1	Scaffold8301	6079	GG	AA	1940561578
SNP_P1_269504_6307	NW_004521224.1	Scaffold8301	6307	TT	CC	1940561580
SNP_P1_269505_6608	NW_004521224.1	Scaffold8301	6608	GG	TT	1940561582
SNP_P1_269506_6624	NW_004521224.1	Scaffold8301	6624	AA	TT	1940561584
SNP_P1_269507_6689	NW_004521224.1	Scaffold8301	6689	CC	TT	1940561586
SNP_P1_269508_6722	NW_004521224.1	Scaffold8301	6722	AA	TT	1940561588
SNP_P1_269509_6747	NW_004521224.1	Scaffold8301	6747	CC	AA	1940561590
SNP_P1_269510_6762	NW_004521224.1	Scaffold8301	6762	TT	CC	1940561592
SNP_P1_269511_6876	NW_004521224.1	Scaffold8301	6876	GG	AA	1940561594
SNP_P1_269512_6880	NW_004521224.1	Scaffold8301	6880	AA	GG	1940561596
SNP_P1_269513_6923	NW_004521224.1	Scaffold8301	6923	TT	AA	1940561599
SNP_P1_269514_6941	NW_004521224.1	Scaffold8301	6941	CC	TT	1940561601
SNP_P1_269515_542	NW_004521227.1	Scaffold8305	542	TT	AA	1940561603
SNP_P1_269516_63	NW_004521231.1	Scaffold8309	63	CC	TT	1940561605
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SNP_P1_269518_88	NW_004521231.1	Scaffold8309	88	CC	GG	1940561609
SNP_P1_269519_178	NW_004521231.1	Scaffold8309	178	CC	TT	1940561611
SNP_P1_269520_187	NW_004521231.1	Scaffold8309	187	AA	CC	1940561613
SNP_P1_269521_314	NW_004521231.1	Scaffold8309	314	AA	CC	1940561615
SNP_P1_269522_400	NW_004521231.1	Scaffold8309	400	GG	AA	1940561617
SNP_P1_269523_701	NW_004521231.1	Scaffold8309	701	AA	GG	1940561619
SNP_P1_269524_471	NW_004521233.1	Scaffold8313	471	GG	AA	1940561622
SNP_P1_269525_693	NW_004521233.1	Scaffold8313	693	AA	GG	1940561624
SNP_P1_269526_64	NW_004521234.1	Scaffold8314	64	AA	GG	1940561626
SNP_P1_269527_88	NW_004521234.1	Scaffold8314	88	TT	CC	1940561628
SNP_P1_269528_164	NW_004521234.1	Scaffold8314	164	GG	AA	1940561630
SNP_P1_269530_416	NW_004521234.1	Scaffold8314	416	AA	TT	1940561632
SNP_P1_269531_542	NW_004521234.1	Scaffold8314	542	TT	CC	1940561634
SNP_P1_269532_614	NW_004521234.1	Scaffold8314	614	AA	TT	1940561636
SNP_P1_269533_637	NW_004521234.1	Scaffold8314	637	GG	AA	1940561638
SNP_P1_269534_703	NW_004521234.1	Scaffold8314	703	AA	GG	1940561640
SNP_P1_269535_718	NW_004521234.1	Scaffold8314	718	GG	AA	1940561643
SNP_P1_269536_835	NW_004521234.1	Scaffold8314	835	TT	CC	1940561645
SNP_P1_269537_839	NW_004521234.1	Scaffold8314	839	CC	TT	1940561647
SNP_P1_269538_849	NW_004521234.1	Scaffold8314	849	AA	CC	1940561649

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269540_856	NW_004521234.1	Scaffold8314	856	AA	GG	1940561653
SNP_P1_269542_914	NW_004521234.1	Scaffold8314	914	AA	GG	1940561655
SNP_P1_269543_930	NW_004521234.1	Scaffold8314	930	GG	AA	1940561657
SNP_P1_269544_951	NW_004521234.1	Scaffold8314	951	TT	CC	1940561659
SNP_P1_269545_958	NW_004521234.1	Scaffold8314	958	GG	CC	1940561661
SNP_P1_269546_1107	NW_004521234.1	Scaffold8314	1107	TT	AA	1940561663
SNP_P1_269547_1177	NW_004521234.1	Scaffold8314	1177	TT	GG	1940561665
SNP_P1_269548_1212	NW_004521234.1	Scaffold8314	1212	CC	AA	1940561668
SNP_P1_269549_1238	NW_004521234.1	Scaffold8314	1238	TT	GG	1940561670
SNP_P1_269551_1355	NW_004521234.1	Scaffold8314	1355	CC	TT	1940561672
SNP_P1_269552_1621	NW_004521234.1	Scaffold8314	1621	GG	AA	1940561674
SNP_P1_269553_1818	NW_004521234.1	Scaffold8314	1818	TT	AA	1940561676
SNP_P1_269556_2269	NW_004521234.1	Scaffold8314	2269	TT	AA	1940561678
SNP_P1_269557_17425	NW_004521235.1	Scaffold8315	17425	CC	GG	1940561680
SNP_P1_269558_17533	NW_004521235.1	Scaffold8315	17533	TT	CC	1940561682
SNP_P1_269559_17682	NW_004521235.1	Scaffold8315	17682	CC	TT	1940561684
SNP_P1_269561_18252	NW_004521235.1	Scaffold8315	18252	AA	TT	1940561686
SNP_P1_269562_18397	NW_004521235.1	Scaffold8315	18397	AA	CC	1940561689
SNP_P1_269563_18398	NW_004521235.1	Scaffold8315	18398	AA	TT	1940561691
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SNP_P1_269572_20215	NW_004521235.1	Scaffold8315	20215	CC	AA	1940561707
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SNP_P1_269575_20417	NW_004521235.1	Scaffold8315	20417	GG	AA	1940561712
SNP_P1_269576_20418	NW_004521235.1	Scaffold8315	20418	TT	AA	1940561714
SNP_P1_269577_20419	NW_004521235.1	Scaffold8315	20419	TT	AA	1940561716
SNP_P1_269578_20420	NW_004521235.1	Scaffold8315	20420	AA	TT	1940561718
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SNP_P1_269580_20440	NW_004521235.1	Scaffold8315	20440	GG	TT	1940561722
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SNP_P1_269583_20573	NW_004521235.1	Scaffold8315	20573	TT	GG	1940561726
SNP_P1_269584_20645	NW_004521235.1	Scaffold8315	20645	TT	GG	1940561728
SNP_P1_269585_20711	NW_004521235.1	Scaffold8315	20711	CC	TT	1940561730
SNP_P1_269586_20895	NW_004521235.1	Scaffold8315	20895	AA	CC	1940561733
SNP_P1_269587_20972	NW_004521235.1	Scaffold8315	20972	GG	AA	1940561735
SNP_P1_269588_2212	NW_004521236.1	Scaffold8317	2212	CC	TT	1940561737

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269590_93	NW_004521241.1	Scaffold8325	93	AA	CC	1940561741
SNP_P1_269591_110	NW_004521241.1	Scaffold8325	110	AA	CC	1940561743
SNP_P1_269592_404	NW_004521241.1	Scaffold8325	404	GG	AA	1940561745
SNP_P1_269593_1045	NW_004521245.1	Scaffold8332	1045	GG	TT	1940561747
SNP_P1_269594_659	NW_004521250.1	Scaffold8340	659	AA	CC	1940561749
SNP_P1_269595_735	NW_004521252.1	Scaffold8345	735	AA	TT	1940561751
SNP_P1_269596_64	NW_004521257.1	Scaffold8357	64	GG	AA	1940561753
SNP_P1_269597_98	NW_004521257.1	Scaffold8357	98	AA	TT	1940561756
SNP_P1_269598_342	NW_004521257.1	Scaffold8357	342	TT	AA	1940561758
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SNP_P1_269600_171	NW_004521261.1	Scaffold8366	171	AA	TT	1940561762
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SNP_P1_269602_440	NW_004521261.1	Scaffold8366	440	CC	TT	1940561766
SNP_P1_269603_504	NW_004521261.1	Scaffold8366	504	CC	TT	1940561768
SNP_P1_269604_1442	NW_004521261.1	Scaffold8366	1442	AA	TT	1940561770
SNP_P1_269605_1453	NW_004521261.1	Scaffold8366	1453	TT	GG	1940561772
SNP_P1_269606_2212	NW_004521261.1	Scaffold8366	2212	AA	TT	1940561774
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SNP_P1_269608_101	NW_004521263.1	Scaffold8368	101	AA	GG	1940561779
SNP_P1_269609_120	NW_004521263.1	Scaffold8368	120	TT	AA	1940561781
SNP_P1_269610_262	NW_004521263.1	Scaffold8368	262	TT	CC	1940561783
SNP_P1_269611_267	NW_004521263.1	Scaffold8368	267	AA	CC	1940561785
SNP_P1_269612_619	NW_004521263.1	Scaffold8368	619	AA	GG	1940561787
SNP_P1_269613_679	NW_004521263.1	Scaffold8368	679	CC	GG	1940561789
SNP_P1_269614_707	NW_004521263.1	Scaffold8368	707	AA	GG	1940561791
SNP_P1_269615_718	NW_004521263.1	Scaffold8368	718	AA	GG	1940561793
SNP_P1_269616_828	NW_004521263.1	Scaffold8368	828	TT	CC	1940561795
SNP_P1_269617_872	NW_004521263.1	Scaffold8368	872	GG	AA	1940561797
SNP_P1_269618_976	NW_004521263.1	Scaffold8368	976	AA	GG	1940561800
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SNP_P1_269625_64	NW_004521267.1	Scaffold8377	64	CC	TT	1940561814
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SNP_P1_269629_872	NW_004521268.1	Scaffold8378	872	GG	TT	1940561820
SNP_P1_269630_876	NW_004521268.1	Scaffold8378	876	GG	AA	1940561823
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269634_1832	NW_004521268.1	Scaffold8378	1832	GG	AA	1940561831
SNP_P1_269635_1951	NW_004521268.1	Scaffold8378	1951	AA	CC	1940561833
SNP_P1_269636_2016	NW_004521268.1	Scaffold8378	2016	AA	GG	1940561835
SNP_P1_269637_2067	NW_004521268.1	Scaffold8378	2067	TT	CC	1940561837
SNP_P1_269638_2267	NW_004521268.1	Scaffold8378	2267	AA	GG	1940561839
SNP_P1_269639_222	NW_004521270.1	Scaffold8380	222	GG	AA	1940561841
SNP_P1_269640_253	NW_004521270.1	Scaffold8380	253	TT	CC	1940561843
SNP_P1_269641_537	NW_004521270.1	Scaffold8380	537	GG	AA	1940561846
SNP_P1_269642_546	NW_004521270.1	Scaffold8380	546	AA	GG	1940561848
SNP_P1_269643_584	NW_004521270.1	Scaffold8380	584	AA	TT	1940561850
SNP_P1_269644_595	NW_004521270.1	Scaffold8380	595	AA	CC	1940561852
SNP_P1_269645_607	NW_004521270.1	Scaffold8380	607	AA	GG	1940561854
SNP_P1_269646_620	NW_004521270.1	Scaffold8380	620	CC	GG	1940561856
SNP_P1_269647_642	NW_004521270.1	Scaffold8380	642	CC	TT	1940561858
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SNP_P1_269653_141	NW_004521273.1	Scaffold8385	141	TT	GG	1940561869
SNP_P1_269654_146	NW_004521273.1	Scaffold8385	146	GG	CC	1940561871
SNP_P1_269656_276	NW_004521273.1	Scaffold8385	276	TT	AA	1940561873
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SNP_P1_269663_580	NW_004521273.1	Scaffold8385	580	GG	TT	1940561885
SNP_P1_269664_906	NW_004521273.1	Scaffold8385	906	TT	AA	1940561887
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SNP_P1_269675_404	NW_004521278.1	Scaffold8395	404	TT	GG	1940561908
SNP_P1_269676_692	NW_004521281.1	Scaffold8403	692	CC	TT	1940561910
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269681_1308	NW_004521284.1	Scaffold8412	1308	GG	TT	1940561919
SNP_P1_269682_429	NW_004521286.1	Scaffold8421	429	AA	GG	1940561921
SNP_P1_269683_64	NW_004521289.1	Scaffold8437	64	TT	CC	1940561923
SNP_P1_269684_1053	NW_004521290.1	Scaffold8439	1053	AA	GG	1940561925
SNP_P1_269685_1306	NW_004521292.1	Scaffold8442	1306	GG	AA	1940561927
SNP_P1_269686_1315	NW_004521292.1	Scaffold8442	1315	AA	GG	1940561929
SNP_P1_269687_1417	NW_004521292.1	Scaffold8442	1417	TT	CC	1940561931
SNP_P1_269689_1779	NW_004521292.1	Scaffold8442	1779	TT	AA	1940561933
SNP_P1_269690_1871	NW_004521292.1	Scaffold8442	1871	TT	CC	1940561935
SNP_P1_269691_1948	NW_004521292.1	Scaffold8442	1948	GG	AA	1940561938
SNP_P1_269692_1982	NW_004521292.1	Scaffold8442	1982	AA	CC	1940561940
SNP_P1_269693_2562	NW_004521292.1	Scaffold8442	2562	AA	GG	1940561942
SNP_P1_269694_2601	NW_004521292.1	Scaffold8442	2601	AA	CC	1940561944
SNP_P1_269695_2602	NW_004521292.1	Scaffold8442	2602	TT	CC	1940561946
SNP_P1_269696_2718	NW_004521292.1	Scaffold8442	2718	TT	GG	1940561948
SNP_P1_269697_2738	NW_004521292.1	Scaffold8442	2738	TT	GG	1940561950
SNP_P1_269698_2830	NW_004521292.1	Scaffold8442	2830	GG	AA	1940561952
SNP_P1_269701_334	NW_004521294.1	Scaffold8445	334	GG	CC	1940561954
SNP_P1_269702_523	NW_004521294.1	Scaffold8445	523	CC	AA	1940561956
SNP_P1_269703_544	NW_004521294.1	Scaffold8445	544	GG	AA	1940561958
SNP_P1_269705_4874	NW_004521294.1	Scaffold8445	4874	AA	CC	1940561961
SNP_P1_269706_4890	NW_004521294.1	Scaffold8445	4890	TT	CC	1940561963
SNP_P1_269707_4920	NW_004521294.1	Scaffold8445	4920	AA	CC	1940561965
SNP_P1_269708_4944	NW_004521294.1	Scaffold8445	4944	TT	CC	1940561967
SNP_P1_269709_5129	NW_004521294.1	Scaffold8445	5129	TT	GG	1940561969
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SNP_P1_269713_5389	NW_004521294.1	Scaffold8445	5389	CC	TT	1940561977
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SNP_P1_269716_5641	NW_004521294.1	Scaffold8445	5641	TT	AA	1940561984
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SNP_P1_269718_5815	NW_004521294.1	Scaffold8445	5815	CC	AA	1940561988
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SNP_P1_269720_6015	NW_004521294.1	Scaffold8445	6015	GG	CC	1940561992
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SNP_P1_269722_6092	NW_004521294.1	Scaffold8445	6092	AA	TT	1940561996
SNP_P1_269724_6186	NW_004521294.1	Scaffold8445	6186	CC	AA	1940561998
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269728_6411	NW_004521294.1	Scaffold8445	6411	AA	GG	1940562007
SNP_P1_269729_959	NW_004521295.1	Scaffold8449	959	TT	AA	1940562009
SNP_P1_269730_150	NW_004521297.1	Scaffold8455	150	AA	CC	1940562011
SNP_P1_269731_153	NW_004521297.1	Scaffold8455	153	AA	TT	1940562013
SNP_P1_269732_169	NW_004521297.1	Scaffold8455	169	AA	CC	1940562015
SNP_P1_269733_170	NW_004521297.1	Scaffold8455	170	GG	AA	1940562017
SNP_P1_269734_229	NW_004521297.1	Scaffold8455	229	AA	TT	1940562019
SNP_P1_269735_360	NW_004521297.1	Scaffold8455	360	TT	AA	1940562021
SNP_P1_269736_384	NW_004521297.1	Scaffold8455	384	GG	AA	1940562023
SNP_P1_269737_667	NW_004521297.1	Scaffold8455	667	CC	TT	1940562025
SNP_P1_269738_713	NW_004521297.1	Scaffold8455	713	GG	AA	1940562028
SNP_P1_269739_714	NW_004521297.1	Scaffold8455	714	GG	AA	1940562030
SNP_P1_269740_731	NW_004521297.1	Scaffold8455	731	GG	TT	1940562032
SNP_P1_269741_873	NW_004521299.1	Scaffold8458	873	AA	GG	1940562034
SNP_P1_269742_1268	NW_004521299.1	Scaffold8458	1268	GG	AA	1940562036
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SNP_P1_269745_3638	NW_004521301.1	Scaffold8461	3638	AA	CC	1940562042
SNP_P1_269746_3733	NW_004521301.1	Scaffold8461	3733	CC	GG	1940562044
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SNP_P1_269756_375	NW_004521306.1	Scaffold8469	375	GG	CC	1940562065
SNP_P1_269757_427	NW_004521306.1	Scaffold8469	427	GG	TT	1940562067
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SNP_P1_269760_690	NW_004521307.1	Scaffold8471	690	GG	AA	1940562074
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SNP_P1_269764_2332	NW_004521309.1	Scaffold8474	2332	TT	AA	1940562082
SNP_P1_269765_2352	NW_004521309.1	Scaffold8474	2352	AA	GG	1940562084
SNP_P1_269766_2372	NW_004521309.1	Scaffold8474	2372	AA	GG	1940562086
SNP_P1_269767_64	NW_004521313.1	Scaffold8479	64	AA	GG	1940562088

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SNP_P1_269770_160	NW_004521313.1	Scaffold8479	160	TT	AA	1940562095
SNP_P1_269771_173	NW_004521313.1	Scaffold8479	173	GG	TT	1940562097
SNP_P1_269772_243	NW_004521313.1	Scaffold8479	243	CC	TT	1940562099
SNP_P1_269773_326	NW_004521313.1	Scaffold8479	326	AA	TT	1940562101
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SNP_P1_269775_475	NW_004521313.1	Scaffold8479	475	AA	TT	1940562105
SNP_P1_269776_510	NW_004521313.1	Scaffold8479	510	GG	CC	1940562107
SNP_P1_269777_560	NW_004521313.1	Scaffold8479	560	AA	GG	1940562109
SNP_P1_269778_593	NW_004521313.1	Scaffold8479	593	TT	GG	1940562111
SNP_P1_269779_706	NW_004521313.1	Scaffold8479	706	CC	TT	1940562113
SNP_P1_269780_840	NW_004521313.1	Scaffold8479	840	AA	TT	1940562115
SNP_P1_269781_900	NW_004521313.1	Scaffold8479	900	TT	GG	1940562118
SNP_P1_269782_972	NW_004521313.1	Scaffold8479	972	CC	AA	1940562120
SNP_P1_269783_1003	NW_004521313.1	Scaffold8479	1003	GG	TT	1940562122
SNP_P1_269785_1486	NW_004521313.1	Scaffold8479	1486	GG	AA	1940562124
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SNP_P1_269787_1602	NW_004521313.1	Scaffold8479	1602	TT	AA	1940562128
SNP_P1_269788_1603	NW_004521313.1	Scaffold8479	1603	TT	AA	1940562130
SNP_P1_269789_1706	NW_004521313.1	Scaffold8479	1706	TT	CC	1940562132
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SNP_P1_269799_158	NW_004521316.1	Scaffold8487	158	CC	TT	1940562151
SNP_P1_269800_207	NW_004521316.1	Scaffold8487	207	CC	AA	1940562153
SNP_P1_269801_406	NW_004521316.1	Scaffold8487	406	TT	GG	1940562155
SNP_P1_269802_473	NW_004521316.1	Scaffold8487	473	AA	GG	1940562157
SNP_P1_269803_485	NW_004521316.1	Scaffold8487	485	TT	AA	1940562159
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SNP_P1_269805_645	NW_004521316.1	Scaffold8487	645	TT	CC	1940562164
SNP_P1_269806_304	NW_004521319.1	Scaffold8492	304	TT	AA	1940562166
SNP_P1_269807_4027	NW_004521320.1	Scaffold8493	4027	GG	AA	1940562168
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SNP_P1_269809_4097	NW_004521320.1	Scaffold8493	4097	AA	TT	1940562172
SNP_P1_269810_4111	NW_004521320.1	Scaffold8493	4111	TT	GG	1940562174
SNP_P1_269811_4114	NW_004521320.1	Scaffold8493	4114	TT	CC	1940562176

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SNP_P1_269814_4126	NW_004521320.1	Scaffold8493	4126	CC	AA	1940562183
SNP_P1_269815_4127	NW_004521320.1	Scaffold8493	4127	AA	TT	1940562185
SNP_P1_269816_4139	NW_004521320.1	Scaffold8493	4139	GG	AA	1940562187
SNP_P1_269817_4567	NW_004521320.1	Scaffold8493	4567	CC	TT	1940562189
SNP_P1_269818_5858	NW_004521320.1	Scaffold8493	5858	TT	AA	1940562191
SNP_P1_269819_6882	NW_004521320.1	Scaffold8493	6882	CC	TT	1940562193
SNP_P1_269820_7150	NW_004521320.1	Scaffold8493	7150	TT	CC	1940562195
SNP_P1_269821_7657	NW_004521320.1	Scaffold8493	7657	AA	TT	1940562197
SNP_P1_269822_8321	NW_004521320.1	Scaffold8493	8321	CC	TT	1940562199
SNP_P1_269823_9110	NW_004521320.1	Scaffold8493	9110	GG	TT	1940562201
SNP_P1_269825_9834	NW_004521320.1	Scaffold8493	9834	AA	CC	1940562203
SNP_P1_269827_9969	NW_004521320.1	Scaffold8493	9969	AA	TT	1940562206
SNP_P1_269828_10594	NW_004521320.1	Scaffold8493	10594	GG	AA	1940562208
SNP_P1_269829_10603	NW_004521320.1	Scaffold8493	10603	GG	TT	1940562210
SNP_P1_269830_10775	NW_004521320.1	Scaffold8493	10775	TT	CC	1940562212
SNP_P1_269831_11054	NW_004521320.1	Scaffold8493	11054	CC	GG	1940562214
SNP_P1_269832_11098	NW_004521320.1	Scaffold8493	11098	TT	CC	1940562216
SNP_P1_269833_11653	NW_004521320.1	Scaffold8493	11653	TT	AA	1940562218
SNP_P1_269834_12194	NW_004521320.1	Scaffold8493	12194	AA	CC	1940562220
SNP_P1_269835_12414	NW_004521320.1	Scaffold8493	12414	AA	GG	1940562222
SNP_P1_269836_12908	NW_004521320.1	Scaffold8493	12908	TT	AA	1940562224
SNP_P1_269837_15226	NW_004521320.1	Scaffold8493	15226	TT	AA	1940562227
SNP_P1_269838_15240	NW_004521320.1	Scaffold8493	15240	GG	AA	1940562229
SNP_P1_269839_15260	NW_004521320.1	Scaffold8493	15260	AA	CC	1940562231
SNP_P1_269840_16201	NW_004521320.1	Scaffold8493	16201	GG	AA	1940562233
SNP_P1_269841_16322	NW_004521320.1	Scaffold8493	16322	AA	CC	1940562235
SNP_P1_269842_16486	NW_004521320.1	Scaffold8493	16486	TT	CC	1940562237
SNP_P1_269843_16740	NW_004521320.1	Scaffold8493	16740	AA	TT	1940562239
SNP_P1_269845_17878	NW_004521320.1	Scaffold8493	17878	GG	CC	1940562241
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SNP_P1_269856_1316	NW_004521330.1	Scaffold8513	1316	AA	TT	1940562260
SNP_P1_269857_1275	NW_004521335.1	Scaffold8521	1275	GG	AA	1940562262
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269860_200	NW_004521336.1	Scaffold8522	200	CC	GG	1940562268
SNP_P1_269861_481	NW_004521336.1	Scaffold8522	481	AA	TT	1940562271
SNP_P1_269862_488	NW_004521336.1	Scaffold8522	488	AA	TT	1940562273
SNP_P1_269863_551	NW_004521336.1	Scaffold8522	551	AA	TT	1940562275
SNP_P1_269864_591	NW_004521336.1	Scaffold8522	591	TT	GG	1940562277
SNP_P1_269865_654	NW_004521336.1	Scaffold8522	654	TT	AA	1940562279
SNP_P1_269866_724	NW_004521336.1	Scaffold8522	724	TT	CC	1940562281
SNP_P1_269867_91	NW_004521348.1	Scaffold8550	91	TT	CC	1940562283
SNP_P1_269868_106	NW_004521348.1	Scaffold8550	106	TT	CC	1940562285
SNP_P1_269869_206	NW_004521348.1	Scaffold8550	206	AA	GG	1940562287
SNP_P1_269870_358	NW_004521348.1	Scaffold8550	358	AA	CC	1940562289
SNP_P1_269871_396	NW_004521348.1	Scaffold8550	396	AA	CC	1940562292
SNP_P1_269872_441	NW_004521348.1	Scaffold8550	441	AA	TT	1940562294
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SNP_P1_269874_516	NW_004521348.1	Scaffold8550	516	TT	GG	1940562298
SNP_P1_269875_518	NW_004521348.1	Scaffold8550	518	AA	GG	1940562300
SNP_P1_269876_561	NW_004521348.1	Scaffold8550	561	GG	AA	1940562302
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SNP_P1_269880_709	NW_004521348.1	Scaffold8550	709	GG	AA	1940562308
SNP_P1_269881_731	NW_004521348.1	Scaffold8550	731	CC	AA	1940562310
SNP_P1_269882_516	NW_004521350.1	Scaffold8553	516	CC	TT	1940562312
SNP_P1_269883_576	NW_004521350.1	Scaffold8553	576	CC	AA	1940562315
SNP_P1_269884_587	NW_004521350.1	Scaffold8553	587	TT	AA	1940562317
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SNP_P1_269887_946	NW_004521350.1	Scaffold8553	946	AA	GG	1940562323
SNP_P1_269888_958	NW_004521350.1	Scaffold8553	958	TT	AA	1940562325
SNP_P1_269889_959	NW_004521350.1	Scaffold8553	959	GG	AA	1940562327
SNP_P1_269890_979	NW_004521350.1	Scaffold8553	979	CC	AA	1940562329
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SNP_P1_269900_7022	NW_004521354.1	Scaffold8565	7022	AA	GG	1940562348
SNP_P1_269901_7094	NW_004521354.1	Scaffold8565	7094	AA	TT	1940562350
SNP_P1_269902_7100	NW_004521354.1	Scaffold8565	7100	TT	GG	1940562352

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269906_7265	NW_004521354.1	Scaffold8565	7265	AA	TT	1940562359
SNP_P1_269907_64	NW_004521355.1	Scaffold8571	64	GG	AA	1940562361
SNP_P1_269908_249	NW_004521355.1	Scaffold8571	249	AA	TT	1940562363
SNP_P1_269909_335	NW_004521355.1	Scaffold8571	335	GG	CC	1940562365
SNP_P1_269910_351	NW_004521355.1	Scaffold8571	351	TT	AA	1940562367
SNP_P1_269911_360	NW_004521355.1	Scaffold8571	360	CC	AA	1940562369
SNP_P1_269912_377	NW_004521355.1	Scaffold8571	377	GG	TT	1940562371
SNP_P1_269913_383	NW_004521355.1	Scaffold8571	383	AA	GG	1940562373
SNP_P1_269915_1060	NW_004521355.1	Scaffold8571	1060	GG	AA	1940562375
SNP_P1_269916_1085	NW_004521355.1	Scaffold8571	1085	AA	GG	1940562377
SNP_P1_269917_1093	NW_004521355.1	Scaffold8571	1093	TT	CC	1940562380
SNP_P1_269918_1150	NW_004521355.1	Scaffold8571	1150	AA	GG	1940562382
SNP_P1_269919_6090	NW_004521356.1	Scaffold8572	6090	CC	AA	1940562384
SNP_P1_269920_6406	NW_004521356.1	Scaffold8572	6406	CC	TT	1940562386
SNP_P1_269921_6475	NW_004521356.1	Scaffold8572	6475	GG	TT	1940562388
SNP_P1_269922_791	NW_004521357.1	Scaffold8577	791	CC	AA	1940562390
SNP_P1_269923_364	NW_004521359.1	Scaffold8582	364	CC	TT	1940562392
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SNP_P1_269926_956	NW_004521359.1	Scaffold8582	956	TT	CC	1940562398
SNP_P1_269927_958	NW_004521362.1	Scaffold8586	958	AA	GG	1940562400
SNP_P1_269928_6310	NW_004521362.1	Scaffold8586	6310	TT	AA	1940562403
SNP_P1_269929_6939	NW_004521362.1	Scaffold8586	6939	AA	CC	1940562405
SNP_P1_269930_862	NW_004521365.1	Scaffold8590	862	GG	AA	1940562407
SNP_P1_269931_866	NW_004521365.1	Scaffold8590	866	GG	CC	1940562409
SNP_P1_269932_1008	NW_004521365.1	Scaffold8590	1008	TT	CC	1940562411
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SNP_P1_269934_1215	NW_004521365.1	Scaffold8590	1215	AA	GG	1940562415
SNP_P1_269935_1253	NW_004521365.1	Scaffold8590	1253	GG	AA	1940562417
SNP_P1_269936_499	NW_004521368.1	Scaffold8594	499	AA	TT	1940562419
SNP_P1_269937_514	NW_004521368.1	Scaffold8594	514	GG	TT	1940562421
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SNP_P1_269941_149	NW_004521370.1	Scaffold8602	149	TT	AA	1940562428
SNP_P1_269942_151	NW_004521370.1	Scaffold8602	151	CC	GG	1940562430
SNP_P1_269943_408	NW_004521371.1	Scaffold8603	408	AA	GG	1940562432
SNP_P1_269944_99	NW_004521372.1	Scaffold8604	99	GG	AA	1940562434
SNP_P1_269945_101	NW_004521372.1	Scaffold8604	101	AA	TT	1940562436
SNP_P1_269946_245	NW_004521372.1	Scaffold8604	245	CC	TT	1940562438
SNP_P1_269947_246	NW_004521372.1	Scaffold8604	246	TT	AA	1940562440

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269950_404	NW_004521372.1	Scaffold8604	404	GG	CC	1940562446
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SNP_P1_269952_770	NW_004521372.1	Scaffold8604	770	AA	CC	1940562451
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SNP_P1_269954_1174	NW_004521372.1	Scaffold8604	1174	TT	CC	1940562455
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SNP_P1_269956_1350	NW_004521372.1	Scaffold8604	1350	TT	CC	1940562459
SNP_P1_269957_1401	NW_004521372.1	Scaffold8604	1401	AA	TT	1940562461
SNP_P1_269958_336	NW_004521377.1	Scaffold8620	336	AA	TT	1940562463
SNP_P1_269959_629	NW_004521377.1	Scaffold8620	629	GG	AA	1940562465
SNP_P1_269960_646	NW_004521377.1	Scaffold8620	646	GG	AA	1940562467
SNP_P1_269961_699	NW_004521377.1	Scaffold8620	699	GG	TT	1940562470
SNP_P1_269962_872	NW_004521377.1	Scaffold8620	872	CC	AA	1940562472
SNP_P1_269963_939	NW_004521377.1	Scaffold8620	939	GG	AA	1940562474
SNP_P1_269964_943	NW_004521377.1	Scaffold8620	943	GG	AA	1940562476
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SNP_P1_269968_309	NW_004521381.1	Scaffold8625	309	CC	AA	1940562480
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SNP_P1_269973_758	NW_004521388.1	Scaffold8639	758	GG	TT	1940562490
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SNP_P1_269976_728	NW_004521390.1	Scaffold8641	728	TT	CC	1940562497
SNP_P1_269977_854	NW_004521390.1	Scaffold8641	854	CC	TT	1940562499
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SNP_P1_269979_400	NW_004521391.1	Scaffold8645	400	TT	CC	1940562503
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SNP_P1_269983_659	NW_004521391.1	Scaffold8645	659	TT	CC	1940562511
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SNP_P1_269988_1997	NW_004521392.1	Scaffold8646	1997	AA	GG	1940562522
SNP_P1_269989_2029	NW_004521392.1	Scaffold8646	2029	GG	AA	1940562524
SNP_P1_269990_2033	NW_004521392.1	Scaffold8646	2033	CC	TT	1940562526
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_269996_2540	NW_004521392.1	Scaffold8646	2540	TT	AA	1940562539
SNP_P1_269997_2553	NW_004521392.1	Scaffold8646	2553	TT	AA	1940562541
SNP_P1_269999_5546	NW_004521392.1	Scaffold8646	5546	CC	GG	1940562543
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SNP_P1_270002_7314	NW_004521392.1	Scaffold8646	7314	AA	CC	1940562549
SNP_P1_270003_7367	NW_004521392.1	Scaffold8646	7367	CC	TT	1940562551
SNP_P1_270004_2433	NW_004521393.1	Scaffold8648	2433	CC	TT	1940562553
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SNP_P1_270006_2476	NW_004521393.1	Scaffold8648	2476	TT	CC	1940562557
SNP_P1_270007_2497	NW_004521393.1	Scaffold8648	2497	AA	GG	1940562560
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SNP_P1_270022_4662	NW_004521393.1	Scaffold8648	4662	GG	AA	1940562587
SNP_P1_270023_4722	NW_004521393.1	Scaffold8648	4722	TT	AA	1940562589
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SNP_P1_270027_4797	NW_004521393.1	Scaffold8648	4797	CC	AA	1940562597
SNP_P1_270028_4836	NW_004521393.1	Scaffold8648	4836	CC	TT	1940562599
SNP_P1_270029_253	NW_004521394.1	Scaffold8650	253	TT	AA	1940562601
SNP_P1_270030_254	NW_004521394.1	Scaffold8650	254	AA	GG	1940562603
SNP_P1_270031_64	NW_004521398.1	Scaffold8654	64	AA	TT	1940562606
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SNP_P1_270034_511	NW_004521398.1	Scaffold8654	511	TT	CC	1940562612
SNP_P1_270035_5294	NW_004521398.1	Scaffold8654	5294	TT	GG	1940562614
SNP_P1_270036_5555	NW_004521398.1	Scaffold8654	5555	CC	AA	1940562616

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270040_5828	NW_004521398.1	Scaffold8654	5828	AA	CC	1940562624
SNP_P1_270041_5880	NW_004521398.1	Scaffold8654	5880	CC	AA	1940562627
SNP_P1_270042_436	NW_004521404.1	Scaffold8666	436	CC	TT	1940562629
SNP_P1_270043_451	NW_004521404.1	Scaffold8666	451	AA	GG	1940562631
SNP_P1_270044_517	NW_004521404.1	Scaffold8666	517	AA	TT	1940562633
SNP_P1_270045_220	NW_004521405.1	Scaffold8668	220	AA	TT	1940562635
SNP_P1_270046_223	NW_004521405.1	Scaffold8668	223	GG	AA	1940562637
SNP_P1_270047_447	NW_004521405.1	Scaffold8668	447	TT	CC	1940562639
SNP_P1_270048_493	NW_004521405.1	Scaffold8668	493	TT	CC	1940562641
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SNP_P1_270054_40	NW_004521406.1	Scaffold8669	40	TT	AA	1940562652
SNP_P1_270055_44	NW_004521406.1	Scaffold8669	44	GG	AA	1940562654
SNP_P1_270056_92	NW_004521406.1	Scaffold8669	92	GG	AA	1940562656
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SNP_P1_270058_748	NW_004521406.1	Scaffold8669	748	GG	CC	1940562660
SNP_P1_270059_467	NW_004521411.1	Scaffold8675	467	TT	AA	1940562662
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SNP_P1_270061_843	NW_004521411.1	Scaffold8675	843	GG	AA	1940562666
SNP_P1_270062_1703	NW_004521411.1	Scaffold8675	1703	CC	TT	1940562668
SNP_P1_270063_1427	NW_004521413.1	Scaffold8680	1427	AA	TT	1940562670
SNP_P1_270064_1578	NW_004521413.1	Scaffold8680	1578	AA	CC	1940562673
SNP_P1_270065_1625	NW_004521413.1	Scaffold8680	1625	AA	TT	1940562675
SNP_P1_270066_1642	NW_004521413.1	Scaffold8680	1642	CC	TT	1940562677
SNP_P1_270067_580	NW_004521415.1	Scaffold8686	580	TT	CC	1940562679
SNP_P1_270068_906	NW_004521415.1	Scaffold8686	906	TT	CC	1940562681
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SNP_P1_270075_64	NW_004521416.1	Scaffold8687	64	GG	TT	1940562696
SNP_P1_270076_100	NW_004521416.1	Scaffold8687	100	GG	TT	1940562698
SNP_P1_270077_189	NW_004521416.1	Scaffold8687	189	CC	TT	1940562700
SNP_P1_270078_752	NW_004521416.1	Scaffold8687	752	GG	AA	1940562702
SNP_P1_270079_621	NW_004521419.1	Scaffold8690	621	TT	AA	1940562704

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270082_734	NW_004521419.1	Scaffold8690	734	GG	CC	1940562710
SNP_P1_270083_749	NW_004521419.1	Scaffold8690	749	GG	AA	1940562712
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SNP_P1_270085_640	NW_004521422.1	Scaffold8696	640	TT	CC	1940562717
SNP_P1_270086_848	NW_004521422.1	Scaffold8696	848	TT	CC	1940562719
SNP_P1_270087_1039	NW_004521422.1	Scaffold8696	1039	AA	CC	1940562721
SNP_P1_270088_490	NW_004521423.1	Scaffold8702	490	CC	TT	1940562723
SNP_P1_270089_552	NW_004521423.1	Scaffold8702	552	TT	CC	1940562725
SNP_P1_270090_958	NW_004521423.1	Scaffold8702	958	CC	TT	1940562727
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SNP_P1_270093_2188	NW_004521424.1	Scaffold8704	2188	AA	GG	1940562733
SNP_P1_270094_2246	NW_004521424.1	Scaffold8704	2246	TT	GG	1940562735
SNP_P1_270095_2477	NW_004521424.1	Scaffold8704	2477	GG	AA	1940562738
SNP_P1_270096_2482	NW_004521424.1	Scaffold8704	2482	TT	GG	1940562740
SNP_P1_270097_2559	NW_004521424.1	Scaffold8704	2559	TT	CC	1940562742
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SNP_P1_270102_898	NW_004521425.1	Scaffold8705	898	TT	CC	1940562752
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SNP_P1_270106_498	NW_004521426.1	Scaffold8707	498	TT	CC	1940562761
SNP_P1_270107_842	NW_004521426.1	Scaffold8707	842	CC	GG	1940562763
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SNP_P1_270121_1109	NW_004521430.1	Scaffold8715	1109	AA	GG	1940562790
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270126_181	NW_004521434.1	Scaffold8730	181	TT	CC	1940562798
SNP_P1_270127_205	NW_004521434.1	Scaffold8730	205	GG	AA	1940562800
SNP_P1_270128_284	NW_004521434.1	Scaffold8730	284	AA	TT	1940562802
SNP_P1_270129_371	NW_004521434.1	Scaffold8730	371	AA	TT	1940562805
SNP_P1_270130_383	NW_004521434.1	Scaffold8730	383	CC	TT	1940562807
SNP_P1_270131_386	NW_004521434.1	Scaffold8730	386	TT	CC	1940562809
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SNP_P1_270133_460	NW_004521434.1	Scaffold8730	460	GG	AA	1940562813
SNP_P1_270134_485	NW_004521434.1	Scaffold8730	485	AA	GG	1940562815
SNP_P1_270135_517	NW_004521434.1	Scaffold8730	517	TT	AA	1940562817
SNP_P1_270136_573	NW_004521434.1	Scaffold8730	573	AA	CC	1940562819
SNP_P1_270137_650	NW_004521434.1	Scaffold8730	650	GG	AA	1940562821
SNP_P1_270138_1541	NW_004521434.1	Scaffold8730	1541	TT	AA	1940562823
SNP_P1_270139_1805	NW_004521434.1	Scaffold8730	1805	AA	GG	1940562826
SNP_P1_270140_1897	NW_004521434.1	Scaffold8730	1897	TT	CC	1940562828
SNP_P1_270141_2013	NW_004521434.1	Scaffold8730	2013	TT	CC	1940562830
SNP_P1_270143_471	NW_004521436.1	Scaffold8733	471	CC	TT	1940562832
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SNP_P1_270147_286	NW_004521437.1	Scaffold8734	286	AA	GG	1940562840
SNP_P1_270148_320	NW_004521437.1	Scaffold8734	320	GG	AA	1940562842
SNP_P1_270149_358	NW_004521437.1	Scaffold8734	358	TT	CC	1940562844
SNP_P1_270150_540	NW_004521437.1	Scaffold8734	540	AA	TT	1940562846
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SNP_P1_270167_2354	NW_004521437.1	Scaffold8734	2354	TT	CC	1940562878
SNP_P1_270168_2413	NW_004521437.1	Scaffold8734	2413	TT	AA	1940562880

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270173_5766	NW_004521441.1	Scaffold8746	5766	CC	GG	1940562890
SNP_P1_270174_6406	NW_004521441.1	Scaffold8746	6406	AA	GG	1940562893
SNP_P1_270175_6414	NW_004521441.1	Scaffold8746	6414	GG	AA	1940562895
SNP_P1_270176_6514	NW_004521441.1	Scaffold8746	6514	TT	CC	1940562897
SNP_P1_270177_6687	NW_004521441.1	Scaffold8746	6687	TT	CC	1940562899
SNP_P1_270178_6689	NW_004521441.1	Scaffold8746	6689	AA	GG	1940562901
SNP_P1_270179_6692	NW_004521441.1	Scaffold8746	6692	GG	CC	1940562903
SNP_P1_270180_6718	NW_004521441.1	Scaffold8746	6718	AA	GG	1940562905
SNP_P1_270181_7082	NW_004521441.1	Scaffold8746	7082	TT	AA	1940562907
SNP_P1_270182_7219	NW_004521441.1	Scaffold8746	7219	AA	GG	1940562909
SNP_P1_270183_7269	NW_004521441.1	Scaffold8746	7269	GG	AA	1940562911
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SNP_P1_270186_569	NW_004521443.1	Scaffold8751	569	TT	AA	1940562918
SNP_P1_270187_572	NW_004521443.1	Scaffold8751	572	CC	AA	1940562920
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SNP_P1_270189_738	NW_004521445.1	Scaffold8755	738	GG	TT	1940562924
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SNP_P1_270191_894	NW_004521445.1	Scaffold8755	894	TT	CC	1940562928
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SNP_P1_270200_93	NW_004521454.1	Scaffold8778	93	AA	TT	1940562947
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SNP_P1_270203_229	NW_004521454.1	Scaffold8778	229	TT	AA	1940562953
SNP_P1_270204_481	NW_004521454.1	Scaffold8778	481	GG	AA	1940562955
SNP_P1_270205_555	NW_004521454.1	Scaffold8778	555	CC	GG	1940562957
SNP_P1_270206_580	NW_004521454.1	Scaffold8778	580	TT	AA	1940562960
SNP_P1_270207_81	NW_004521456.1	Scaffold8785	81	CC	TT	1940562962
SNP_P1_270208_97	NW_004521456.1	Scaffold8785	97	GG	TT	1940562964
SNP_P1_270209_147	NW_004521456.1	Scaffold8785	147	AA	TT	1940562966
SNP_P1_270210_155	NW_004521456.1	Scaffold8785	155	TT	AA	1940562968

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270213_1079	NW_004521457.1	Scaffold8788	1079	AA	GG	1940562974
SNP_P1_270214_99	NW_004521458.1	Scaffold8789	99	GG	TT	1940562976
SNP_P1_270215_105	NW_004521458.1	Scaffold8789	105	GG	TT	1940562978
SNP_P1_270216_113	NW_004521458.1	Scaffold8789	113	GG	AA	1940562981
SNP_P1_270217_119	NW_004521458.1	Scaffold8789	119	GG	CC	1940562983
SNP_P1_270218_246	NW_004521458.1	Scaffold8789	246	TT	GG	1940562985
SNP_P1_270219_275	NW_004521458.1	Scaffold8789	275	TT	CC	1940562987
SNP_P1_270220_276	NW_004521458.1	Scaffold8789	276	AA	TT	1940562989
SNP_P1_270221_350	NW_004521458.1	Scaffold8789	350	TT	GG	1940562991
SNP_P1_270222_376	NW_004521458.1	Scaffold8789	376	CC	AA	1940562993
SNP_P1_270223_393	NW_004521458.1	Scaffold8789	393	AA	GG	1940562995
SNP_P1_270224_406	NW_004521458.1	Scaffold8789	406	GG	AA	1940562997
SNP_P1_270225_545	NW_004521458.1	Scaffold8789	545	AA	GG	1940562999
SNP_P1_270227_658	NW_004521458.1	Scaffold8789	658	CC	AA	1940563001
SNP_P1_270228_666	NW_004521458.1	Scaffold8789	666	AA	CC	1940563004
SNP_P1_270229_690	NW_004521458.1	Scaffold8789	690	TT	GG	1940563006
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SNP_P1_270231_771	NW_004521458.1	Scaffold8789	771	CC	GG	1940563010
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SNP_P1_270238_20450	NW_004521464.1	Scaffold8801	20450	GG	AA	1940563025
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SNP_P1_270245_9658	NW_004521465.1	Scaffold8803	9658	AA	CC	1940563037
SNP_P1_270246_10144	NW_004521465.1	Scaffold8803	10144	TT	CC	1940563039
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SNP_P1_270253_446	NW_004521474.1	Scaffold8821	446	CC	TT	1940563052
SNP_P1_270254_694	NW_004521474.1	Scaffold8821	694	GG	AA	1940563054
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270257_381	NW_004521476.1	Scaffold8824	381	GG	AA	1940563060
SNP_P1_270258_402	NW_004521476.1	Scaffold8824	402	TT	GG	1940563062
SNP_P1_270259_587	NW_004521476.1	Scaffold8824	587	TT	AA	1940563064
SNP_P1_270260_541	NW_004521477.1	Scaffold8825	541	TT	AA	1940563066
SNP_P1_270262_587	NW_004521477.1	Scaffold8825	587	TT	CC	1940563069
SNP_P1_270263_598	NW_004521477.1	Scaffold8825	598	AA	GG	1940563071
SNP_P1_270264_619	NW_004521477.1	Scaffold8825	619	AA	TT	1940563073
SNP_P1_270265_626	NW_004521477.1	Scaffold8825	626	GG	AA	1940563075
SNP_P1_270267_1020	NW_004521477.1	Scaffold8825	1020	CC	GG	1940563077
SNP_P1_270268_1063	NW_004521477.1	Scaffold8825	1063	GG	TT	1940563079
SNP_P1_270269_1091	NW_004521477.1	Scaffold8825	1091	GG	AA	1940563081
SNP_P1_270270_910	NW_004521478.1	Scaffold8826	910	AA	TT	1940563083
SNP_P1_270271_1001	NW_004521478.1	Scaffold8826	1001	GG	CC	1940563085
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SNP_P1_270273_865	NW_004521481.1	Scaffold8835	865	AA	GG	1940563089
SNP_P1_270274_866	NW_004521481.1	Scaffold8835	866	GG	CC	1940563092
SNP_P1_270275_875	NW_004521481.1	Scaffold8835	875	GG	AA	1940563094
SNP_P1_270277_834	NW_004521482.1	Scaffold8836	834	GG	AA	1940563096
SNP_P1_270278_856	NW_004521482.1	Scaffold8836	856	CC	TT	1940563098
SNP_P1_270279_877	NW_004521482.1	Scaffold8836	877	AA	GG	1940563100
SNP_P1_270280_893	NW_004521482.1	Scaffold8836	893	AA	TT	1940563102
SNP_P1_270281_894	NW_004521482.1	Scaffold8836	894	TT	AA	1940563104
SNP_P1_270282_901	NW_004521482.1	Scaffold8836	901	TT	CC	1940563106
SNP_P1_270283_939	NW_004521482.1	Scaffold8836	939	AA	GG	1940563108
SNP_P1_270285_1105	NW_004521482.1	Scaffold8836	1105	AA	TT	1940563110
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SNP_P1_270287_1161	NW_004521482.1	Scaffold8836	1161	CC	TT	1940563115
SNP_P1_270288_1197	NW_004521482.1	Scaffold8836	1197	AA	GG	1940563117
SNP_P1_270290_213	NW_004521485.1	Scaffold8842	213	AA	TT	1940563119
SNP_P1_270291_245	NW_004521485.1	Scaffold8842	245	AA	GG	1940563121
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SNP_P1_270294_509	NW_004521485.1	Scaffold8842	509	GG	AA	1940563127
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SNP_P1_270300_1019	NW_004521486.1	Scaffold8844	1019	CC	AA	1940563140
SNP_P1_270301_1140	NW_004521486.1	Scaffold8844	1140	TT	CC	1940563142
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270304_1271	NW_004521486.1	Scaffold8844	1271	TT	AA	1940563148
SNP_P1_270305_1360	NW_004521486.1	Scaffold8844	1360	CC	TT	1940563150
SNP_P1_270306_1362	NW_004521486.1	Scaffold8844	1362	GG	TT	1940563152
SNP_P1_270307_1363	NW_004521486.1	Scaffold8844	1363	GG	AA	1940563154
SNP_P1_270308_1374	NW_004521486.1	Scaffold8844	1374	CC	TT	1940563156
SNP_P1_270309_1389	NW_004521486.1	Scaffold8844	1389	AA	GG	1940563159
SNP_P1_270310_1397	NW_004521486.1	Scaffold8844	1397	TT	CC	1940563161
SNP_P1_270311_1991	NW_004521487.1	Scaffold8845	1991	CC	TT	1940563163
SNP_P1_270312_1995	NW_004521487.1	Scaffold8845	1995	AA	GG	1940563165
SNP_P1_270313_1996	NW_004521487.1	Scaffold8845	1996	GG	CC	1940563167
SNP_P1_270314_2037	NW_004521487.1	Scaffold8845	2037	TT	CC	1940563169
SNP_P1_270315_2554	NW_004521487.1	Scaffold8845	2554	AA	GG	1940563171
SNP_P1_270316_3129	NW_004521487.1	Scaffold8845	3129	AA	GG	1940563173
SNP_P1_270317_3130	NW_004521487.1	Scaffold8845	3130	CC	AA	1940563175
SNP_P1_270318_3202	NW_004521487.1	Scaffold8845	3202	AA	GG	1940563177
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SNP_P1_270320_3238	NW_004521487.1	Scaffold8845	3238	AA	TT	1940563182
SNP_P1_270321_446	NW_004521488.1	Scaffold8847	446	AA	GG	1940563184
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SNP_P1_270323_1146	NW_004521489.1	Scaffold8848	1146	TT	GG	1940563188
SNP_P1_270324_1444	NW_004521489.1	Scaffold8848	1444	GG	TT	1940563190
SNP_P1_270325_1593	NW_004521489.1	Scaffold8848	1593	AA	TT	1940563192
SNP_P1_270326_1631	NW_004521489.1	Scaffold8848	1631	CC	AA	1940563194
SNP_P1_270327_1877	NW_004521489.1	Scaffold8848	1877	TT	AA	1940563196
SNP_P1_270328_555	NW_004521492.1	Scaffold8852	555	GG	AA	1940563198
SNP_P1_270329_799	NW_004521492.1	Scaffold8852	799	TT	AA	1940563200
SNP_P1_270330_840	NW_004521492.1	Scaffold8852	840	TT	CC	1940563202
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SNP_P1_270332_922	NW_004521492.1	Scaffold8852	922	TT	AA	1940563207
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SNP_P1_270336_368	NW_004521497.1	Scaffold8857	368	CC	TT	1940563215
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SNP_P1_270338_5559	NW_004521497.1	Scaffold8857	5559	GG	AA	1940563219
SNP_P1_270339_5617	NW_004521497.1	Scaffold8857	5617	GG	AA	1940563221
SNP_P1_270340_5937	NW_004521497.1	Scaffold8857	5937	GG	AA	1940563223
SNP_P1_270341_769	NW_004521498.1	Scaffold8859	769	GG	AA	1940563226
SNP_P1_270342_545	NW_004521501.1	Scaffold8866	545	TT	CC	1940563228
SNP_P1_270343_2112	NW_004521501.1	Scaffold8866	2112	CC	TT	1940563230
SNP_P1_270344_2204	NW_004521501.1	Scaffold8866	2204	GG	AA	1940563232

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270347_242	NW_004521502.1	Scaffold8867	242	CC	TT	1940563236
SNP_P1_270348_262	NW_004521502.1	Scaffold8867	262	TT	CC	1940563238
SNP_P1_270349_64	NW_004521505.1	Scaffold8875	64	AA	TT	1940563240
SNP_P1_270350_139	NW_004521505.1	Scaffold8875	139	AA	CC	1940563242
SNP_P1_270351_418	NW_004521505.1	Scaffold8875	418	CC	TT	1940563244
SNP_P1_270352_64	NW_004521506.1	Scaffold8876	64	TT	CC	1940563246
SNP_P1_270353_101	NW_004521506.1	Scaffold8876	101	AA	GG	1940563249
SNP_P1_270354_187	NW_004521506.1	Scaffold8876	187	TT	GG	1940563251
SNP_P1_270355_222	NW_004521506.1	Scaffold8876	222	TT	AA	1940563253
SNP_P1_270356_398	NW_004521506.1	Scaffold8876	398	CC	AA	1940563255
SNP_P1_270357_486	NW_004521506.1	Scaffold8876	486	TT	GG	1940563257
SNP_P1_270358_538	NW_004521506.1	Scaffold8876	538	TT	GG	1940563259
SNP_P1_270359_558	NW_004521506.1	Scaffold8876	558	AA	TT	1940563261
SNP_P1_270360_643	NW_004521506.1	Scaffold8876	643	CC	TT	1940563263
SNP_P1_270361_644	NW_004521506.1	Scaffold8876	644	CC	TT	1940563265
SNP_P1_270362_660	NW_004521506.1	Scaffold8876	660	TT	GG	1940563267
SNP_P1_270363_885	NW_004521506.1	Scaffold8876	885	CC	TT	1940563269
SNP_P1_270364_901	NW_004521506.1	Scaffold8876	901	AA	GG	1940563272
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SNP_P1_270366_371	NW_004521507.1	Scaffold8877	371	TT	CC	1940563276
SNP_P1_270368_501	NW_004521507.1	Scaffold8877	501	CC	AA	1940563278
SNP_P1_270369_520	NW_004521507.1	Scaffold8877	520	GG	AA	1940563280
SNP_P1_270370_543	NW_004521507.1	Scaffold8877	543	AA	GG	1940563282
SNP_P1_270371_733	NW_004521507.1	Scaffold8877	733	GG	AA	1940563284
SNP_P1_270372_754	NW_004521507.1	Scaffold8877	754	TT	AA	1940563286
SNP_P1_270373_761	NW_004521507.1	Scaffold8877	761	GG	AA	1940563288
SNP_P1_270374_767	NW_004521507.1	Scaffold8877	767	AA	GG	1940563290
SNP_P1_270375_812	NW_004521507.1	Scaffold8877	812	TT	GG	1940563293
SNP_P1_270376_853	NW_004521507.1	Scaffold8877	853	TT	CC	1940563295
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SNP_P1_270378_19882	NW_004521507.1	Scaffold8877	19882	AA	GG	1940563299
SNP_P1_270379_19956	NW_004521507.1	Scaffold8877	19956	CC	AA	1940563301
SNP_P1_270380_20028	NW_004521507.1	Scaffold8877	20028	TT	GG	1940563303
SNP_P1_270382_20349	NW_004521507.1	Scaffold8877	20349	TT	GG	1940563305
SNP_P1_270383_20602	NW_004521507.1	Scaffold8877	20602	TT	AA	1940563307
SNP_P1_270384_20603	NW_004521507.1	Scaffold8877	20603	AA	TT	1940563309
SNP_P1_270385_20652	NW_004521507.1	Scaffold8877	20652	CC	AA	1940563311
SNP_P1_270386_20699	NW_004521507.1	Scaffold8877	20699	AA	CC	1940563314
SNP_P1_270387_20752	NW_004521507.1	Scaffold8877	20752	GG	TT	1940563316
SNP_P1_270388_20795	NW_004521507.1	Scaffold8877	20795	AA	GG	1940563318
SNP_P1_270389_20803	NW_004521507.1	Scaffold8877	20803	TT	CC	1940563320

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270392_872	NW_004521517.1	Scaffold8897	872	TT	CC	1940563326
SNP_P1_270393_874	NW_004521517.1	Scaffold8897	874	CC	TT	1940563328
SNP_P1_270394_932	NW_004521517.1	Scaffold8897	932	GG	AA	1940563330
SNP_P1_270395_938	NW_004521517.1	Scaffold8897	938	TT	GG	1940563333
SNP_P1_270396_1184	NW_004521517.1	Scaffold8897	1184	TT	GG	1940563335
SNP_P1_270397_1196	NW_004521517.1	Scaffold8897	1196	TT	GG	1940563337
SNP_P1_270398_1286	NW_004521517.1	Scaffold8897	1286	GG	TT	1940563339
SNP_P1_270399_1186	NW_004521520.1	Scaffold8903	1186	GG	AA	1940563341
SNP_P1_270400_250	NW_004521521.1	Scaffold8907	250	AA	GG	1940563343
SNP_P1_270401_534	NW_004521521.1	Scaffold8907	534	AA	TT	1940563345
SNP_P1_270402_1269	NW_004521522.1	Scaffold8913	1269	CC	TT	1940563347
SNP_P1_270403_1273	NW_004521522.1	Scaffold8913	1273	CC	GG	1940563349
SNP_P1_270404_1297	NW_004521522.1	Scaffold8913	1297	GG	AA	1940563352
SNP_P1_270405_1461	NW_004521522.1	Scaffold8913	1461	CC	TT	1940563354
SNP_P1_270406_1726	NW_004521522.1	Scaffold8913	1726	GG	AA	1940563356
SNP_P1_270407_1730	NW_004521522.1	Scaffold8913	1730	TT	GG	1940563358
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SNP_P1_270410_1753	NW_004521522.1	Scaffold8913	1753	GG	AA	1940563364
SNP_P1_270411_1779	NW_004521522.1	Scaffold8913	1779	GG	AA	1940563366
SNP_P1_270412_1880	NW_004521522.1	Scaffold8913	1880	TT	CC	1940563368
SNP_P1_270413_1901	NW_004521522.1	Scaffold8913	1901	CC	GG	1940563370
SNP_P1_270414_1902	NW_004521522.1	Scaffold8913	1902	GG	CC	1940563373
SNP_P1_270415_1909	NW_004521522.1	Scaffold8913	1909	GG	CC	1940563375
SNP_P1_270416_1925	NW_004521522.1	Scaffold8913	1925	GG	TT	1940563377
SNP_P1_270417_2023	NW_004521522.1	Scaffold8913	2023	GG	AA	1940563379
SNP_P1_270418_2036	NW_004521522.1	Scaffold8913	2036	CC	GG	1940563381
SNP_P1_270419_2079	NW_004521522.1	Scaffold8913	2079	CC	AA	1940563383
SNP_P1_270420_2109	NW_004521522.1	Scaffold8913	2109	AA	GG	1940563385
SNP_P1_270422_2297	NW_004521522.1	Scaffold8913	2297	AA	GG	1940563387
SNP_P1_270424_2439	NW_004521522.1	Scaffold8913	2439	CC	TT	1940563389
SNP_P1_270425_2448	NW_004521522.1	Scaffold8913	2448	CC	TT	1940563391
SNP_P1_270428_1675	NW_004521527.1	Scaffold8926	1675	TT	AA	1940563394
SNP_P1_270429_402	NW_004521528.1	Scaffold8930	402	AA	TT	1940563396
SNP_P1_270430_752	NW_004521528.1	Scaffold8930	752	GG	TT	1940563398
SNP_P1_270431_796	NW_004521533.1	Scaffold8943	796	CC	TT	1940563400
SNP_P1_270432_830	NW_004521533.1	Scaffold8943	830	AA	CC	1940563402
SNP_P1_270433_960	NW_004521533.1	Scaffold8943	960	CC	TT	1940563404
SNP_P1_270434_996	NW_004521533.1	Scaffold8943	996	CC	AA	1940563406
SNP_P1_270435_136	NW_004521539.1	Scaffold8960	136	AA	GG	1940563408

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SNP_P1_270437_647	NW_004521539.1	Scaffold8960	647	GG	AA	1940563412
SNP_P1_270438_967	NW_004521540.1	Scaffold8961	967	TT	AA	1940563414
SNP_P1_270439_1656	NW_004521542.1	Scaffold8964	1656	CC	AA	1940563417
SNP_P1_270440_1966	NW_004521542.1	Scaffold8964	1966	CC	TT	1940563419
SNP_P1_270441_939	NW_004521544.1	Scaffold8967	939	GG	TT	1940563421
SNP_P1_270442_984	NW_004521544.1	Scaffold8967	984	CC	TT	1940563423
SNP_P1_270443_1010	NW_004521544.1	Scaffold8967	1010	CC	AA	1940563425
SNP_P1_270444_732	NW_004521545.1	Scaffold8968	732	TT	AA	1940563427
SNP_P1_270445_753	NW_004521545.1	Scaffold8968	753	AA	GG	1940563429
SNP_P1_270446_812	NW_004521545.1	Scaffold8968	812	GG	AA	1940563431
SNP_P1_270447_878	NW_004521545.1	Scaffold8968	878	GG	CC	1940563433
SNP_P1_270448_1053	NW_004521545.1	Scaffold8968	1053	GG	AA	1940563435
SNP_P1_270449_1058	NW_004521545.1	Scaffold8968	1058	CC	GG	1940563437
SNP_P1_270450_1189	NW_004521545.1	Scaffold8968	1189	AA	TT	1940563440
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SNP_P1_270454_1573	NW_004521552.1	Scaffold8987	1573	TT	AA	1940563446
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SNP_P1_270456_5156	NW_004521553.1	Scaffold8989	5156	AA	GG	1940563450
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SNP_P1_270460_479	NW_004521554.1	Scaffold8990	479	AA	TT	1940563458
SNP_P1_270461_518	NW_004521554.1	Scaffold8990	518	AA	TT	1940563461
SNP_P1_270462_661	NW_004521554.1	Scaffold8990	661	GG	AA	1940563463
SNP_P1_270463_846	NW_004521554.1	Scaffold8990	846	GG	AA	1940563465
SNP_P1_270464_998	NW_004521554.1	Scaffold8990	998	GG	CC	1940563467
SNP_P1_270465_1132	NW_004521554.1	Scaffold8990	1132	GG	TT	1940563469
SNP_P1_270466_1254	NW_004521554.1	Scaffold8990	1254	CC	TT	1940563471
SNP_P1_270467_1393	NW_004521554.1	Scaffold8990	1393	TT	CC	1940563473
SNP_P1_270468_1971	NW_004521554.1	Scaffold8990	1971	GG	AA	1940563475
SNP_P1_270469_6246	NW_004521554.1	Scaffold8990	6246	TT	CC	1940563477
SNP_P1_270470_395	NW_004521555.1	Scaffold8992	395	CC	GG	1940563479
SNP_P1_270471_852	NW_004521558.1	Scaffold8999	852	AA	TT	1940563481
SNP_P1_270472_856	NW_004521558.1	Scaffold8999	856	AA	TT	1940563484
SNP_P1_270473_1360	NW_004521558.1	Scaffold8999	1360	CC	TT	1940563486
SNP_P1_270474_1366	NW_004521558.1	Scaffold8999	1366	CC	GG	1940563488
SNP_P1_270475_1422	NW_004521558.1	Scaffold8999	1422	AA	CC	1940563490
SNP_P1_270476_622	NW_004521559.1	Scaffold9000	622	AA	TT	1940563492
SNP_P1_270477_719	NW_004521559.1	Scaffold9000	719	GG	AA	1940563494
SNP_P1_270478_3003	NW_004521559.1	Scaffold9000	3003	AA	GG	1940563496

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270480_514	NW_004521560.1	Scaffold9003	514	CC	AA	1940563500
SNP_P1_270481_803	NW_004521560.1	Scaffold9003	803	GG	AA	1940563502
SNP_P1_270482_1232	NW_004521562.1	Scaffold9006	1232	GG	AA	1940563504
SNP_P1_270483_1247	NW_004521562.1	Scaffold9006	1247	AA	TT	1940563507
SNP_P1_270485_1337	NW_004521562.1	Scaffold9006	1337	CC	GG	1940563509
SNP_P1_270486_1380	NW_004521562.1	Scaffold9006	1380	TT	AA	1940563511
SNP_P1_270487_1475	NW_004521562.1	Scaffold9006	1475	TT	GG	1940563513
SNP_P1_270488_3092	NW_004521562.1	Scaffold9006	3092	AA	TT	1940563515
SNP_P1_270489_496	NW_004521563.1	Scaffold9013	496	CC	AA	1940563517
SNP_P1_270490_554	NW_004521563.1	Scaffold9013	554	CC	GG	1940563519
SNP_P1_270491_121	NW_004521566.1	Scaffold9020	121	TT	CC	1940563521
SNP_P1_270492_494	NW_004521566.1	Scaffold9020	494	GG	AA	1940563523
SNP_P1_270493_997	NW_004521566.1	Scaffold9020	997	CC	AA	1940563525
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SNP_P1_270496_1465	NW_004521566.1	Scaffold9020	1465	TT	CC	1940563532
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SNP_P1_270499_153	NW_004521568.1	Scaffold9023	153	CC	AA	1940563536
SNP_P1_270500_166	NW_004521568.1	Scaffold9023	166	AA	GG	1940563538
SNP_P1_270501_229	NW_004521568.1	Scaffold9023	229	TT	GG	1940563540
SNP_P1_270502_252	NW_004521568.1	Scaffold9023	252	CC	TT	1940563542
SNP_P1_270503_323	NW_004521568.1	Scaffold9023	323	GG	TT	1940563544
SNP_P1_270504_379	NW_004521568.1	Scaffold9023	379	CC	AA	1940563546
SNP_P1_270505_384	NW_004521568.1	Scaffold9023	384	AA	TT	1940563548
SNP_P1_270506_515	NW_004521568.1	Scaffold9023	515	GG	AA	1940563551
SNP_P1_270507_537	NW_004521568.1	Scaffold9023	537	TT	CC	1940563553
SNP_P1_270508_662	NW_004521568.1	Scaffold9023	662	CC	TT	1940563555
SNP_P1_270509_675	NW_004521568.1	Scaffold9023	675	CC	TT	1940563557
SNP_P1_270510_734	NW_004521568.1	Scaffold9023	734	AA	CC	1940563559
SNP_P1_270511_767	NW_004521568.1	Scaffold9023	767	TT	AA	1940563561
SNP_P1_270512_817	NW_004521568.1	Scaffold9023	817	CC	AA	1940563563
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SNP_P1_270518_1006	NW_004521568.1	Scaffold9023	1006	AA	GG	1940563576
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SNP_P1_270520_1531	NW_004521569.1	Scaffold9024	1531	TT	GG	1940563580
SNP_P1_270522_865	NW_004521571.1	Scaffold9026	865	CC	TT	1940563582
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SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270526_423	NW_004521572.1	Scaffold9028	423	AA	CC	1940563590
SNP_P1_270527_440	NW_004521572.1	Scaffold9028	440	AA	GG	1940563592
SNP_P1_270528_556	NW_004521572.1	Scaffold9028	556	CC	GG	1940563594
SNP_P1_270529_569	NW_004521572.1	Scaffold9028	569	AA	GG	1940563597
SNP_P1_270530_581	NW_004521572.1	Scaffold9028	581	CC	GG	1940563599
SNP_P1_270531_615	NW_004521572.1	Scaffold9028	615	CC	AA	1940563601
SNP_P1_270532_664	NW_004521572.1	Scaffold9028	664	TT	GG	1940563603
SNP_P1_270533_715	NW_004521572.1	Scaffold9028	715	GG	CC	1940563605
SNP_P1_270534_880	NW_004521572.1	Scaffold9028	880	TT	AA	1940563607
SNP_P1_270535_884	NW_004521572.1	Scaffold9028	884	AA	CC	1940563609
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SNP_P1_270538_64	NW_004521573.1	Scaffold9030	64	AA	GG	1940563615
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SNP_P1_270546_275	NW_004521577.1	Scaffold9047	275	CC	AA	1940563632
SNP_P1_270547_281	NW_004521577.1	Scaffold9047	281	AA	GG	1940563634
SNP_P1_270548_383	NW_004521577.1	Scaffold9047	383	CC	AA	1940563636
SNP_P1_270549_384	NW_004521577.1	Scaffold9047	384	AA	CC	1940563638
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SNP_P1_270559_808	NW_004521581.1	Scaffold9059	808	AA	GG	1940563655
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SNP_P1_270561_1076	NW_004521581.1	Scaffold9059	1076	TT	GG	1940563659
SNP_P1_270562_1083	NW_004521581.1	Scaffold9059	1083	TT	CC	1940563661
SNP_P1_270563_1092	NW_004521581.1	Scaffold9059	1092	CC	GG	1940563663
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SNP_P1_270565_1263	NW_004521581.1	Scaffold9059	1263	TT	AA	1940563668
SNP_P1_270566_1264	NW_004521581.1	Scaffold9059	1264	AA	TT	1940563670
SNP_P1_270567_1265	NW_004521581.1	Scaffold9059	1265	GG	AA	1940563672

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270570_2039	NW_004521581.1	Scaffold9059	2039	AA	GG	1940563678
SNP_P1_270571_97	NW_004521584.1	Scaffold9070	97	AA	GG	1940563680
SNP_P1_270572_278	NW_004521584.1	Scaffold9070	278	CC	AA	1940563682
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SNP_P1_270575_902	NW_004521584.1	Scaffold9070	902	CC	TT	1940563689
SNP_P1_270576_1156	NW_004521584.1	Scaffold9070	1156	TT	AA	1940563691
SNP_P1_270577_535	NW_004521585.1	Scaffold9074	535	GG	CC	1940563693
SNP_P1_270578_591	NW_004521585.1	Scaffold9074	591	CC	TT	1940563695
SNP_P1_270580_1047	NW_004521585.1	Scaffold9074	1047	CC	GG	1940563697
SNP_P1_270582_1180	NW_004521585.1	Scaffold9074	1180	TT	AA	1940563699
SNP_P1_270583_1193	NW_004521585.1	Scaffold9074	1193	TT	CC	1940563701
SNP_P1_270584_1206	NW_004521585.1	Scaffold9074	1206	CC	TT	1940563703
SNP_P1_270585_1255	NW_004521585.1	Scaffold9074	1255	GG	TT	1940563705
SNP_P1_270586_596	NW_004521588.1	Scaffold9079	596	GG	TT	1940563707
SNP_P1_270587_741	NW_004521588.1	Scaffold9079	741	TT	AA	1940563710
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SNP_P1_270591_5503	NW_004521593.1	Scaffold9086	5503	GG	AA	1940563718
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SNP_P1_270593_5633	NW_004521593.1	Scaffold9086	5633	GG	AA	1940563722
SNP_P1_270594_5786	NW_004521593.1	Scaffold9086	5786	GG	AA	1940563724
SNP_P1_270595_419	NW_004521594.1	Scaffold9092	419	GG	AA	1940563726
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SNP_P1_270597_1477	NW_004521600.1	Scaffold9111	1477	CC	TT	1940563730
SNP_P1_270598_445	NW_004521603.1	Scaffold9118	445	GG	AA	1940563733
SNP_P1_270599_660	NW_004521603.1	Scaffold9118	660	AA	TT	1940563735
SNP_P1_270600_666	NW_004521603.1	Scaffold9118	666	CC	TT	1940563737
SNP_P1_270601_210	NW_004521604.1	Scaffold9122	210	TT	AA	1940563739
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SNP_P1_270606_1566	NW_004521604.1	Scaffold9122	1566	GG	AA	1940563749
SNP_P1_270607_1974	NW_004521604.1	Scaffold9122	1974	GG	AA	1940563751
SNP_P1_270608_2014	NW_004521604.1	Scaffold9122	2014	CC	AA	1940563753
SNP_P1_270609_2162	NW_004521604.1	Scaffold9122	2162	AA	GG	1940563756
SNP_P1_270610_6017	NW_004521604.1	Scaffold9122	6017	GG	AA	1940563758
SNP_P1_270611_239	NW_004521605.1	Scaffold9125	239	AA	GG	1940563760

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270614_488	NW_004521605.1	Scaffold9125	488	AA	TT	1940563766
SNP_P1_270616_654	NW_004521605.1	Scaffold9125	654	CC	TT	1940563768
SNP_P1_270617_766	NW_004521605.1	Scaffold9125	766	AA	GG	1940563770
SNP_P1_270619_1277	NW_004521606.1	Scaffold9126	1277	CC	TT	1940563772
SNP_P1_270621_1049	NW_004521609.1	Scaffold9135	1049	TT	AA	1940563774
SNP_P1_270622_1062	NW_004521609.1	Scaffold9135	1062	AA	TT	1940563776
SNP_P1_270623_908	NW_004521612.1	Scaffold9149	908	AA	GG	1940563779
SNP_P1_270624_963	NW_004521612.1	Scaffold9149	963	GG	CC	1940563781
SNP_P1_270625_986	NW_004521612.1	Scaffold9149	986	AA	GG	1940563783
SNP_P1_270626_1015	NW_004521612.1	Scaffold9149	1015	AA	TT	1940563785
SNP_P1_270627_1155	NW_004521612.1	Scaffold9149	1155	AA	GG	1940563787
SNP_P1_270628_1235	NW_004521612.1	Scaffold9149	1235	AA	GG	1940563789
SNP_P1_270629_1257	NW_004521612.1	Scaffold9149	1257	TT	AA	1940563791
SNP_P1_270630_1887	NW_004521617.1	Scaffold9162	1887	AA	TT	1940563793
SNP_P1_270631_467	NW_004521619.1	Scaffold9168	467	TT	CC	1940563795
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SNP_P1_270633_382	NW_004521621.1	Scaffold9172	382	TT	GG	1940563800
SNP_P1_270634_419	NW_004521621.1	Scaffold9172	419	AA	CC	1940563802
SNP_P1_270635_480	NW_004521621.1	Scaffold9172	480	CC	TT	1940563804
SNP_P1_270636_2013	NW_004521624.1	Scaffold9184	2013	AA	TT	1940563806
SNP_P1_270637_2014	NW_004521624.1	Scaffold9184	2014	AA	CC	1940563808
SNP_P1_270638_2027	NW_004521624.1	Scaffold9184	2027	CC	AA	1940563810
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SNP_P1_270642_64	NW_004521630.1	Scaffold9195	64	CC	TT	1940563818
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SNP_P1_270644_241	NW_004521630.1	Scaffold9195	241	CC	AA	1940563823
SNP_P1_270646_674	NW_004521630.1	Scaffold9195	674	GG	AA	1940563825
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SNP_P1_270652_245	NW_004521631.1	Scaffold9197	245	CC	AA	1940563833
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SNP_P1_270654_846	NW_004521633.1	Scaffold9210	846	GG	CC	1940563837
SNP_P1_270655_1079	NW_004521633.1	Scaffold9210	1079	GG	AA	1940563839
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SNP_P1_270658_1294	NW_004521633.1	Scaffold9210	1294	GG	CC	1940563846
SNP_P1_270659_244	NW_004521635.1	Scaffold9216	244	CC	TT	1940563848

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270662_370	NW_004521635.1	Scaffold9216	370	AA	CC	1940563854
SNP_P1_270663_377	NW_004521635.1	Scaffold9216	377	CC	GG	1940563856
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SNP_P1_270665_400	NW_004521635.1	Scaffold9216	400	AA	TT	1940563860
SNP_P1_270666_535	NW_004521635.1	Scaffold9216	535	TT	CC	1940563862
SNP_P1_270667_576	NW_004521635.1	Scaffold9216	576	CC	TT	1940563864
SNP_P1_270668_583	NW_004521635.1	Scaffold9216	583	CC	GG	1940563866
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SNP_P1_270670_983	NW_004521635.1	Scaffold9216	983	TT	GG	1940563871
SNP_P1_270671_1155	NW_004521635.1	Scaffold9216	1155	GG	TT	1940563873
SNP_P1_270672_1206	NW_004521635.1	Scaffold9216	1206	AA	CC	1940563875
SNP_P1_270673_625	NW_004521644.1	Scaffold9236	625	TT	AA	1940563877
SNP_P1_270674_1073	NW_004521644.1	Scaffold9236	1073	AA	CC	1940563879
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SNP_P1_270690_777	NW_004521645.1	Scaffold9240	777	GG	CC	1940563906
SNP_P1_270691_1032	NW_004521645.1	Scaffold9240	1032	TT	AA	1940563908
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SNP_P1_270694_1137	NW_004521645.1	Scaffold9240	1137	TT	CC	1940563915
SNP_P1_270695_1480	NW_004521645.1	Scaffold9240	1480	TT	AA	1940563917
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SNP_P1_270697_64	NW_004521649.1	Scaffold9247	64	GG	AA	1940563921
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SNP_P1_270700_399	NW_004521649.1	Scaffold9247	399	AA	TT	1940563927
SNP_P1_270702_600	NW_004521649.1	Scaffold9247	600	TT	CC	1940563929
SNP_P1_270703_957	NW_004521651.1	Scaffold9251	957	AA	TT	1940563931
SNP_P1_270704_92	NW_004521652.1	Scaffold9252	92	TT	GG	1940563933
SNP_P1_270705_1130	NW_004521654.1	Scaffold9257	1130	TT	GG	1940563936

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270707_976	NW_004521655.1	Scaffold9258	976	AA	GG	1940563940
SNP_P1_270708_1040	NW_004521655.1	Scaffold9258	1040	GG	AA	1940563942
SNP_P1_270709_1152	NW_004521655.1	Scaffold9258	1152	CC	AA	1940563944
SNP_P1_270710_1189	NW_004521655.1	Scaffold9258	1189	AA	TT	1940563946
SNP_P1_270711_1220	NW_004521655.1	Scaffold9258	1220	TT	CC	1940563948
SNP_P1_270712_1311	NW_004521655.1	Scaffold9258	1311	CC	TT	1940563950
SNP_P1_270713_19968	NW_004521659.1	Scaffold9267	19968	TT	AA	1940563952
SNP_P1_270714_20015	NW_004521659.1	Scaffold9267	20015	TT	CC	1940563954
SNP_P1_270715_20017	NW_004521659.1	Scaffold9267	20017	AA	CC	1940563956
SNP_P1_270716_20040	NW_004521659.1	Scaffold9267	20040	CC	GG	1940563959
SNP_P1_270717_20044	NW_004521659.1	Scaffold9267	20044	TT	CC	1940563961
SNP_P1_270718_20045	NW_004521659.1	Scaffold9267	20045	TT	AA	1940563963
SNP_P1_270719_20447	NW_004521659.1	Scaffold9267	20447	TT	CC	1940563965
SNP_P1_270720_20455	NW_004521659.1	Scaffold9267	20455	AA	GG	1940563967
SNP_P1_270721_20459	NW_004521659.1	Scaffold9267	20459	CC	TT	1940563969
SNP_P1_270722_20497	NW_004521659.1	Scaffold9267	20497	CC	TT	1940563971
SNP_P1_270723_20508	NW_004521659.1	Scaffold9267	20508	AA	CC	1940563973
SNP_P1_270725_756	NW_004521662.1	Scaffold9273	756	AA	GG	1940563975
SNP_P1_270726_64	NW_004521666.1	Scaffold9281	64	GG	TT	1940563977
SNP_P1_270727_101	NW_004521666.1	Scaffold9281	101	AA	CC	1940563980
SNP_P1_270728_252	NW_004521666.1	Scaffold9281	252	AA	GG	1940563982
SNP_P1_270729_303	NW_004521666.1	Scaffold9281	303	CC	TT	1940563984
SNP_P1_270730_349	NW_004521666.1	Scaffold9281	349	TT	CC	1940563986
SNP_P1_270731_359	NW_004521666.1	Scaffold9281	359	AA	GG	1940563988
SNP_P1_270732_374	NW_004521666.1	Scaffold9281	374	TT	CC	1940563990
SNP_P1_270733_378	NW_004521666.1	Scaffold9281	378	CC	TT	1940563992
SNP_P1_270734_385	NW_004521666.1	Scaffold9281	385	CC	TT	1940563994
SNP_P1_270735_390	NW_004521666.1	Scaffold9281	390	CC	TT	1940563996
SNP_P1_270736_394	NW_004521666.1	Scaffold9281	394	GG	AA	1940563998
SNP_P1_270737_412	NW_004521666.1	Scaffold9281	412	TT	AA	1940564000
SNP_P1_270738_493	NW_004521666.1	Scaffold9281	493	GG	AA	1940564003
SNP_P1_270739_555	NW_004521666.1	Scaffold9281	555	TT	AA	1940564005
SNP_P1_270740_588	NW_004521666.1	Scaffold9281	588	AA	GG	1940564007
SNP_P1_270741_685	NW_004521666.1	Scaffold9281	685	CC	AA	1940564009
SNP_P1_270742_772	NW_004521666.1	Scaffold9281	772	AA	GG	1940564011
SNP_P1_270743_3463	NW_004521666.1	Scaffold9281	3463	CC	TT	1940564013
SNP_P1_270744_3606	NW_004521666.1	Scaffold9281	3606	TT	CC	1940564015
SNP_P1_270745_3649	NW_004521666.1	Scaffold9281	3649	CC	AA	1940564017
SNP_P1_270746_3775	NW_004521666.1	Scaffold9281	3775	GG	CC	1940564019
SNP_P1_270748_4003	NW_004521666.1	Scaffold9281	4003	AA	CC	1940564021
SNP_P1_270749_4136	NW_004521666.1	Scaffold9281	4136	TT	CC	1940564023

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270752_1304	NW_004521671.1	Scaffold9294	1304	AA	TT	1940564028
SNP_P1_270753_1447	NW_004521671.1	Scaffold9294	1447	AA	GG	1940564030
SNP_P1_270754_1494	NW_004521671.1	Scaffold9294	1494	AA	CC	1940564032
SNP_P1_270755_64	NW_004521672.1	Scaffold9295	64	GG	TT	1940564034
SNP_P1_270756_59	NW_004521673.1	Scaffold9303	59	GG	TT	1940564036
SNP_P1_270757_64	NW_004521673.1	Scaffold9303	64	AA	CC	1940564038
SNP_P1_270758_82	NW_004521673.1	Scaffold9303	82	CC	TT	1940564040
SNP_P1_270759_125	NW_004521673.1	Scaffold9303	125	AA	GG	1940564042
SNP_P1_270760_137	NW_004521673.1	Scaffold9303	137	TT	CC	1940564044
SNP_P1_270761_142	NW_004521673.1	Scaffold9303	142	TT	CC	1940564046
SNP_P1_270762_184	NW_004521673.1	Scaffold9303	184	GG	TT	1940564049
SNP_P1_270763_193	NW_004521673.1	Scaffold9303	193	CC	TT	1940564051
SNP_P1_270764_1008	NW_004521673.1	Scaffold9303	1008	TT	CC	1940564053
SNP_P1_270765_1077	NW_004521673.1	Scaffold9303	1077	CC	TT	1940564055
SNP_P1_270766_1115	NW_004521673.1	Scaffold9303	1115	TT	GG	1940564057
SNP_P1_270768_1323	NW_004521673.1	Scaffold9303	1323	TT	GG	1940564059
SNP_P1_270769_1350	NW_004521673.1	Scaffold9303	1350	AA	TT	1940564061
SNP_P1_270771_1494	NW_004521673.1	Scaffold9303	1494	AA	TT	1940564063
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SNP_P1_270774_876	NW_004521678.1	Scaffold9314	876	CC	AA	1940564067
SNP_P1_270775_915	NW_004521678.1	Scaffold9314	915	CC	GG	1940564069
SNP_P1_270776_979	NW_004521678.1	Scaffold9314	979	AA	TT	1940564072
SNP_P1_270777_1009	NW_004521678.1	Scaffold9314	1009	CC	GG	1940564074
SNP_P1_270778_1371	NW_004521680.1	Scaffold9321	1371	CC	TT	1940564076
SNP_P1_270780_1650	NW_004521680.1	Scaffold9321	1650	TT	GG	1940564078
SNP_P1_270781_876	NW_004521682.1	Scaffold9323	876	CC	AA	1940564080
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SNP_P1_270784_5829	NW_004521682.1	Scaffold9323	5829	AA	GG	1940564086
SNP_P1_270785_5913	NW_004521682.1	Scaffold9323	5913	GG	AA	1940564088
SNP_P1_270786_5924	NW_004521682.1	Scaffold9323	5924	TT	GG	1940564090
SNP_P1_270787_186	NW_004521685.1	Scaffold9326	186	GG	AA	1940564092
SNP_P1_270788_199	NW_004521685.1	Scaffold9326	199	CC	GG	1940564095
SNP_P1_270789_253	NW_004521685.1	Scaffold9326	253	TT	AA	1940564097
SNP_P1_270790_531	NW_004521685.1	Scaffold9326	531	AA	CC	1940564099
SNP_P1_270791_601	NW_004521685.1	Scaffold9326	601	AA	TT	1940564101
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SNP_P1_270794_753	NW_004521685.1	Scaffold9326	753	AA	TT	1940564107
SNP_P1_270795_1082	NW_004521687.1	Scaffold9334	1082	TT	AA	1940564109
SNP_P1_270796_1779	NW_004521687.1	Scaffold9334	1779	AA	TT	1940564111

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270800_2747	NW_004521687.1	Scaffold9334	2747	AA	TT	1940564118
SNP_P1_270801_467	NW_004521690.1	Scaffold9346	467	CC	AA	1940564120
SNP_P1_270802_696	NW_004521697.1	Scaffold9361	696	CC	TT	1940564122
SNP_P1_270803_858	NW_004521698.1	Scaffold9362	858	CC	TT	1940564124
SNP_P1_270804_1221	NW_004521698.1	Scaffold9362	1221	TT	AA	1940564126
SNP_P1_270805_1256	NW_004521698.1	Scaffold9362	1256	TT	CC	1940564128
SNP_P1_270806_641	NW_004521700.1	Scaffold9367	641	AA	GG	1940564130
SNP_P1_270807_646	NW_004521700.1	Scaffold9367	646	CC	TT	1940564132
SNP_P1_270808_705	NW_004521700.1	Scaffold9367	705	GG	AA	1940564134
SNP_P1_270809_747	NW_004521700.1	Scaffold9367	747	TT	GG	1940564136
SNP_P1_270810_748	NW_004521700.1	Scaffold9367	748	CC	TT	1940564138
SNP_P1_270811_61	NW_004521702.1	Scaffold9371	61	AA	TT	1940564141
SNP_P1_270812_64	NW_004521702.1	Scaffold9371	64	CC	GG	1940564143
SNP_P1_270813_133	NW_004521702.1	Scaffold9371	133	GG	TT	1940564145
SNP_P1_270814_171	NW_004521702.1	Scaffold9371	171	GG	AA	1940564147
SNP_P1_270816_296	NW_004521702.1	Scaffold9371	296	GG	CC	1940564149
SNP_P1_270817_305	NW_004521702.1	Scaffold9371	305	AA	TT	1940564151
SNP_P1_270818_309	NW_004521702.1	Scaffold9371	309	CC	AA	1940564153
SNP_P1_270819_331	NW_004521702.1	Scaffold9371	331	TT	CC	1940564155
SNP_P1_270820_396	NW_004521702.1	Scaffold9371	396	TT	CC	1940564157
SNP_P1_270821_426	NW_004521702.1	Scaffold9371	426	AA	CC	1940564159
SNP_P1_270822_470	NW_004521702.1	Scaffold9371	470	GG	AA	1940564161
SNP_P1_270823_482	NW_004521702.1	Scaffold9371	482	AA	TT	1940564164
SNP_P1_270824_486	NW_004521702.1	Scaffold9371	486	AA	TT	1940564166
SNP_P1_270825_504	NW_004521702.1	Scaffold9371	504	GG	AA	1940564168
SNP_P1_270826_540	NW_004521702.1	Scaffold9371	540	CC	TT	1940564170
SNP_P1_270827_554	NW_004521702.1	Scaffold9371	554	AA	CC	1940564172
SNP_P1_270828_619	NW_004521702.1	Scaffold9371	619	TT	AA	1940564174
SNP_P1_270830_649	NW_004521702.1	Scaffold9371	649	AA	GG	1940564176
SNP_P1_270831_678	NW_004521702.1	Scaffold9371	678	GG	CC	1940564178
SNP_P1_270832_1068	NW_004521704.1	Scaffold9374	1068	GG	AA	1940564180
SNP_P1_270834_664	NW_004521705.1	Scaffold9375	664	AA	CC	1940564182
SNP_P1_270835_836	NW_004521705.1	Scaffold9375	836	TT	AA	1940564184
SNP_P1_270836_965	NW_004521707.1	Scaffold9378	965	GG	TT	1940564187
SNP_P1_270837_732	NW_004521712.1	Scaffold9391	732	TT	GG	1940564189
SNP_P1_270838_477	NW_004521716.1	Scaffold9396	477	TT	CC	1940564191
SNP_P1_270839_479	NW_004521716.1	Scaffold9396	479	AA	GG	1940564193
SNP_P1_270841_501	NW_004521716.1	Scaffold9396	501	GG	AA	1940564195
SNP_P1_270842_611	NW_004521716.1	Scaffold9396	611	GG	AA	1940564197
SNP_P1_270843_633	NW_004521716.1	Scaffold9396	633	CC	GG	1940564199

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270845_672	NW_004521716.1	Scaffold9396	672	AA	GG	1940564203
SNP_P1_270846_725	NW_004521716.1	Scaffold9396	725	TT	CC	1940564205
SNP_P1_270847_928	NW_004521716.1	Scaffold9396	928	CC	TT	1940564207
SNP_P1_270848_958	NW_004521716.1	Scaffold9396	958	TT	AA	1940564210
SNP_P1_270849_985	NW_004521716.1	Scaffold9396	985	TT	CC	1940564212
SNP_P1_270850_1296	NW_004521716.1	Scaffold9396	1296	GG	CC	1940564214
SNP_P1_270851_1309	NW_004521716.1	Scaffold9396	1309	CC	AA	1940564216
SNP_P1_270852_103	NW_004521719.1	Scaffold9402	103	AA	TT	1940564218
SNP_P1_270853_449	NW_004521721.1	Scaffold9411	449	AA	GG	1940564220
SNP_P1_270854_451	NW_004521721.1	Scaffold9411	451	GG	CC	1940564222
SNP_P1_270855_467	NW_004521721.1	Scaffold9411	467	CC	AA	1940564224
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SNP_P1_270857_2355	NW_004521721.1	Scaffold9411	2355	AA	GG	1940564228
SNP_P1_270858_2494	NW_004521721.1	Scaffold9411	2494	CC	TT	1940564230
SNP_P1_270859_2501	NW_004521721.1	Scaffold9411	2501	TT	AA	1940564233
SNP_P1_270860_2611	NW_004521721.1	Scaffold9411	2611	GG	TT	1940564235
SNP_P1_270861_2682	NW_004521721.1	Scaffold9411	2682	TT	AA	1940564237
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SNP_P1_270864_2810	NW_004521721.1	Scaffold9411	2810	GG	AA	1940564241
SNP_P1_270865_2858	NW_004521721.1	Scaffold9411	2858	AA	TT	1940564243
SNP_P1_270867_3202	NW_004521721.1	Scaffold9411	3202	GG	AA	1940564245
SNP_P1_270868_3207	NW_004521721.1	Scaffold9411	3207	TT	CC	1940564247
SNP_P1_270869_3749	NW_004521721.1	Scaffold9411	3749	TT	AA	1940564249
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SNP_P1_270874_5694	NW_004521721.1	Scaffold9411	5694	GG	CC	1940564260
SNP_P1_270876_5772	NW_004521721.1	Scaffold9411	5772	GG	CC	1940564262
SNP_P1_270877_6003	NW_004521721.1	Scaffold9411	6003	AA	GG	1940564264
SNP_P1_270878_6083	NW_004521721.1	Scaffold9411	6083	TT	CC	1940564266
SNP_P1_270879_72	NW_004521722.1	Scaffold9416	72	AA	TT	1940564268
SNP_P1_270880_103	NW_004521722.1	Scaffold9416	103	GG	AA	1940564270
SNP_P1_270881_116	NW_004521722.1	Scaffold9416	116	AA	TT	1940564272
SNP_P1_270882_153	NW_004521722.1	Scaffold9416	153	GG	AA	1940564274
SNP_P1_270883_405	NW_004521722.1	Scaffold9416	405	CC	TT	1940564277
SNP_P1_270884_643	NW_004521722.1	Scaffold9416	643	CC	GG	1940564279
SNP_P1_270885_761	NW_004521722.1	Scaffold9416	761	AA	CC	1940564281
SNP_P1_270886_795	NW_004521724.1	Scaffold9419	795	AA	CC	1940564283
SNP_P1_270887_807	NW_004521724.1	Scaffold9419	807	CC	TT	1940564285
SNP_P1_270888_556	NW_004521730.1	Scaffold9432	556	AA	GG	1940564287

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270892_64	NW_004521734.1	Scaffold9444	64	AA	GG	1940564295
SNP_P1_270893_177	NW_004521734.1	Scaffold9444	177	TT	AA	1940564297
SNP_P1_270894_388	NW_004521734.1	Scaffold9444	388	TT	CC	1940564300
SNP_P1_270895_396	NW_004521734.1	Scaffold9444	396	AA	CC	1940564302
SNP_P1_270896_477	NW_004521734.1	Scaffold9444	477	GG	AA	1940564304
SNP_P1_270897_670	NW_004521734.1	Scaffold9444	670	CC	TT	1940564306
SNP_P1_270898_694	NW_004521734.1	Scaffold9444	694	GG	AA	1940564308
SNP_P1_270899_2095	NW_004521734.1	Scaffold9444	2095	AA	CC	1940564310
SNP_P1_270901_2337	NW_004521734.1	Scaffold9444	2337	GG	TT	1940564312
SNP_P1_270902_2393	NW_004521734.1	Scaffold9444	2393	TT	CC	1940564314
SNP_P1_270903_2769	NW_004521734.1	Scaffold9444	2769	AA	TT	1940564316
SNP_P1_270904_3349	NW_004521734.1	Scaffold9444	3349	CC	TT	1940564318
SNP_P1_270905_3520	NW_004521734.1	Scaffold9444	3520	TT	CC	1940564320
SNP_P1_270906_3629	NW_004521734.1	Scaffold9444	3629	TT	AA	1940564323
SNP_P1_270907_3743	NW_004521734.1	Scaffold9444	3743	CC	GG	1940564325
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SNP_P1_270914_4461	NW_004521734.1	Scaffold9444	4461	TT	AA	1940564339
SNP_P1_270915_4530	NW_004521734.1	Scaffold9444	4530	CC	TT	1940564341
SNP_P1_270916_4546	NW_004521734.1	Scaffold9444	4546	GG	AA	1940564343
SNP_P1_270917_4619	NW_004521734.1	Scaffold9444	4619	AA	TT	1940564346
SNP_P1_270918_4642	NW_004521734.1	Scaffold9444	4642	CC	TT	1940564348
SNP_P1_270919_4976	NW_004521734.1	Scaffold9444	4976	TT	GG	1940564350
SNP_P1_270920_59	NW_004521735.1	Scaffold9447	59	TT	GG	1940564352
SNP_P1_270921_84	NW_004521735.1	Scaffold9447	84	CC	TT	1940564354
SNP_P1_270922_779	NW_004521736.1	Scaffold9451	779	TT	AA	1940564356
SNP_P1_270923_936	NW_004521736.1	Scaffold9451	936	AA	GG	1940564358
SNP_P1_270924_472	NW_004521737.1	Scaffold9454	472	CC	TT	1940564360
SNP_P1_270925_476	NW_004521737.1	Scaffold9454	476	AA	GG	1940564362
SNP_P1_270926_509	NW_004521737.1	Scaffold9454	509	AA	TT	1940564364
SNP_P1_270927_705	NW_004521737.1	Scaffold9454	705	GG	AA	1940564366
SNP_P1_270928_722	NW_004521737.1	Scaffold9454	722	AA	TT	1940564369
SNP_P1_270929_773	NW_004521737.1	Scaffold9454	773	GG	AA	1940564371
SNP_P1_270930_861	NW_004521737.1	Scaffold9454	861	AA	GG	1940564373
SNP_P1_270931_870	NW_004521737.1	Scaffold9454	870	GG	TT	1940564375

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_270933_143	NW_004521745.1	Scaffold9478	143	TT	CC	1940564377
SNP_P1_270934_1149	NW_004521747.1	Scaffold9484	1149	GG	AA	1940564379
SNP_P1_270935_1323	NW_004521747.1	Scaffold9484	1323	TT	CC	1940564381
SNP_P1_270936_1347	NW_004521747.1	Scaffold9484	1347	TT	GG	1940564383
SNP_P1_270937_1403	NW_004521747.1	Scaffold9484	1403	AA	GG	1940564385
SNP_P1_270938_1421	NW_004521747.1	Scaffold9484	1421	GG	TT	1940564387
SNP_P1_270939_1434	NW_004521747.1	Scaffold9484	1434	AA	GG	1940564390
SNP_P1_270940_1583	NW_004521747.1	Scaffold9484	1583	AA	GG	1940564392
SNP_P1_270941_1668	NW_004521747.1	Scaffold9484	1668	TT	CC	1940564394
SNP_P1_270942_1713	NW_004521747.1	Scaffold9484	1713	AA	CC	1940564396
SNP_P1_270943_1722	NW_004521747.1	Scaffold9484	1722	TT	CC	1940564398
SNP_P1_270944_1950	NW_004521747.1	Scaffold9484	1950	GG	CC	1940564400
SNP_P1_270945_1879	NW_004521748.1	Scaffold9486	1879	AA	GG	1940564402
SNP_P1_270946_2058	NW_004521748.1	Scaffold9486	2058	TT	AA	1940564404
SNP_P1_270947_2120	NW_004521748.1	Scaffold9486	2120	AA	GG	1940564406
SNP_P1_270948_105	NW_004521751.1	Scaffold9493	105	GG	AA	1940564408
SNP_P1_270949_124	NW_004521751.1	Scaffold9493	124	AA	CC	1940564410
SNP_P1_270950_413	NW_004521751.1	Scaffold9493	413	AA	CC	1940564413
SNP_P1_270951_487	NW_004521751.1	Scaffold9493	487	TT	CC	1940564415
SNP_P1_270952_525	NW_004521751.1	Scaffold9493	525	TT	CC	1940564417
SNP_P1_270953_526	NW_004521751.1	Scaffold9493	526	GG	AA	1940564419
SNP_P1_270954_535	NW_004521751.1	Scaffold9493	535	CC	TT	1940564421
SNP_P1_270955_584	NW_004521751.1	Scaffold9493	584	AA	GG	1940564423
SNP_P1_270956_591	NW_004521751.1	Scaffold9493	591	GG	AA	1940564425
SNP_P1_270957_64	NW_004521754.1	Scaffold9506	64	AA	TT	1940564427
SNP_P1_270958_106	NW_004521754.1	Scaffold9506	106	CC	TT	1940564429
SNP_P1_270959_1480	NW_004521754.1	Scaffold9506	1480	GG	AA	1940564431
SNP_P1_270960_1481	NW_004521754.1	Scaffold9506	1481	GG	TT	1940564433
SNP_P1_270961_166	NW_004521755.1	Scaffold9507	166	AA	CC	1940564436
SNP_P1_270962_471	NW_004521755.1	Scaffold9507	471	AA	TT	1940564438
SNP_P1_270963_493	NW_004521755.1	Scaffold9507	493	AA	TT	1940564440
SNP_P1_270964_885	NW_004521755.1	Scaffold9507	885	TT	GG	1940564442
SNP_P1_270965_173	NW_004521757.1	Scaffold9523	173	TT	GG	1940564444
SNP_P1_270966_512	NW_004521757.1	Scaffold9523	512	AA	TT	1940564446
SNP_P1_270967_516	NW_004521757.1	Scaffold9523	516	AA	TT	1940564448
SNP_P1_270968_247	NW_004521760.1	Scaffold9534	247	TT	AA	1940564450
SNP_P1_270970_494	NW_004521760.1	Scaffold9534	494	AA	GG	1940564452
SNP_P1_270972_214	NW_004521766.1	Scaffold9550	214	GG	AA	1940564454
SNP_P1_270973_228	NW_004521766.1	Scaffold9550	228	CC	TT	1940564457
SNP_P1_270974_249	NW_004521766.1	Scaffold9550	249	TT	AA	1940564459
SNP_P1_270975_4698	NW_004521766.1	Scaffold9550	4698	GG	TT	1940564461
SNP_P1_270976_4699	NW_004521766.1	Scaffold9550	4699	TT	CC	1940564463

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_270978_4731	NW_004521766.1	Scaffold9550	4731	CC	TT	1940564467
SNP_P1_270979_4930	NW_004521766.1	Scaffold9550	4930	GG	AA	1940564469
SNP_P1_270980_5068	NW_004521766.1	Scaffold9550	5068	AA	TT	1940564471
SNP_P1_270981_5476	NW_004521766.1	Scaffold9550	5476	TT	CC	1940564473
SNP_P1_270982_53	NW_004521768.1	Scaffold9555	53	GG	TT	1940564475
SNP_P1_270983_64	NW_004521768.1	Scaffold9555	64	CC	GG	1940564477
SNP_P1_270984_118	NW_004521768.1	Scaffold9555	118	TT	AA	1940564480
SNP_P1_270985_127	NW_004521768.1	Scaffold9555	127	GG	TT	1940564482
SNP_P1_270986_230	NW_004521768.1	Scaffold9555	230	TT	AA	1940564484
SNP_P1_270987_232	NW_004521768.1	Scaffold9555	232	AA	CC	1940564486
SNP_P1_270988_366	NW_004521768.1	Scaffold9555	366	GG	CC	1940564488
SNP_P1_270989_496	NW_004521768.1	Scaffold9555	496	AA	CC	1940564490
SNP_P1_270990_549	NW_004521768.1	Scaffold9555	549	AA	TT	1940564492
SNP_P1_270991_650	NW_004521768.1	Scaffold9555	650	TT	GG	1940564494
SNP_P1_270992_1914	NW_004521769.1	Scaffold9556	1914	CC	GG	1940564496
SNP_P1_270993_1935	NW_004521769.1	Scaffold9556	1935	GG	TT	1940564498
SNP_P1_270994_2296	NW_004521769.1	Scaffold9556	2296	CC	AA	1940564501
SNP_P1_270995_284	NW_004521770.1	Scaffold9560	284	GG	AA	1940564503
SNP_P1_270996_409	NW_004521773.1	Scaffold9576	409	AA	TT	1940564505
SNP_P1_270997_181	NW_004521777.1	Scaffold9587	181	AA	GG	1940564507
SNP_P1_270998_182	NW_004521777.1	Scaffold9587	182	CC	GG	1940564509
SNP_P1_270999_913	NW_004521777.1	Scaffold9587	913	AA	GG	1940564511
SNP_P1_271000_922	NW_004521777.1	Scaffold9587	922	GG	AA	1940564513
SNP_P1_271001_965	NW_004521777.1	Scaffold9587	965	TT	GG	1940564515
SNP_P1_271002_1007	NW_004521777.1	Scaffold9587	1007	AA	GG	1940564517
SNP_P1_271003_1018	NW_004521777.1	Scaffold9587	1018	TT	CC	1940564519
SNP_P1_271004_1156	NW_004521777.1	Scaffold9587	1156	TT	GG	1940564521
SNP_P1_271005_1186	NW_004521777.1	Scaffold9587	1186	TT	AA	1940564524
SNP_P1_271006_1540	NW_004521777.1	Scaffold9587	1540	GG	TT	1940564526
SNP_P1_271007_1547	NW_004521777.1	Scaffold9587	1547	AA	GG	1940564528
SNP_P1_271008_441	NW_004521778.1	Scaffold9588	441	AA	CC	1940564530
SNP_P1_271009_506	NW_004521778.1	Scaffold9588	506	AA	CC	1940564532
SNP_P1_271010_744	NW_004521778.1	Scaffold9588	744	AA	GG	1940564534
SNP_P1_271011_760	NW_004521778.1	Scaffold9588	760	AA	GG	1940564536
SNP_P1_271012_838	NW_004521778.1	Scaffold9588	838	CC	GG	1940564538
SNP_P1_271013_846	NW_004521778.1	Scaffold9588	846	CC	TT	1940564540
SNP_P1_271014_957	NW_004521778.1	Scaffold9588	957	CC	TT	1940564542
SNP_P1_271015_305	NW_004521779.1	Scaffold9590	305	AA	GG	1940564544
SNP_P1_271016_20600	NW_004521779.1	Scaffold9590	20600	AA	GG	1940564547
SNP_P1_271017_848	NW_004521786.1	Scaffold9612	848	AA	GG	1940564549
SNP_P1_271018_1182	NW_004521786.1	Scaffold9612	1182	CC	AA	1940564551

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271020_1254	NW_004521786.1	Scaffold9612	1254	TT	AA	1940564555
SNP_P1_271021_1480	NW_004521786.1	Scaffold9612	1480	AA	CC	1940564557
SNP_P1_271022_1577	NW_004521786.1	Scaffold9612	1577	AA	GG	1940564559
SNP_P1_271023_2035	NW_004521786.1	Scaffold9612	2035	TT	CC	1940564561
SNP_P1_271024_2039	NW_004521786.1	Scaffold9612	2039	CC	GG	1940564563
SNP_P1_271025_2063	NW_004521786.1	Scaffold9612	2063	CC	TT	1940564565
SNP_P1_271026_2084	NW_004521786.1	Scaffold9612	2084	TT	AA	1940564568
SNP_P1_271027_231	NW_004521787.1	Scaffold9613	231	GG	AA	1940564570
SNP_P1_271028_324	NW_004521787.1	Scaffold9613	324	AA	GG	1940564572
SNP_P1_271029_630	NW_004521787.1	Scaffold9613	630	GG	AA	1940564574
SNP_P1_271030_744	NW_004521790.1	Scaffold9619	744	CC	TT	1940564576
SNP_P1_271031_771	NW_004521790.1	Scaffold9619	771	TT	AA	1940564578
SNP_P1_271032_789	NW_004521790.1	Scaffold9619	789	AA	TT	1940564580
SNP_P1_271033_794	NW_004521790.1	Scaffold9619	794	GG	CC	1940564582
SNP_P1_271034_808	NW_004521790.1	Scaffold9619	808	AA	TT	1940564584
SNP_P1_271035_836	NW_004521790.1	Scaffold9619	836	CC	TT	1940564586
SNP_P1_271036_5407	NW_004521793.1	Scaffold9629	5407	AA	TT	1940564588
SNP_P1_271037_5411	NW_004521793.1	Scaffold9629	5411	CC	GG	1940564591
SNP_P1_271038_5622	NW_004521793.1	Scaffold9629	5622	CC	TT	1940564593
SNP_P1_271039_5814	NW_004521793.1	Scaffold9629	5814	GG	TT	1940564595
SNP_P1_271040_5872	NW_004521793.1	Scaffold9629	5872	TT	CC	1940564597
SNP_P1_271041_5908	NW_004521793.1	Scaffold9629	5908	AA	GG	1940564599
SNP_P1_271042_5992	NW_004521793.1	Scaffold9629	5992	AA	GG	1940564601
SNP_P1_271043_6037	NW_004521793.1	Scaffold9629	6037	GG	AA	1940564603
SNP_P1_271044_305	NW_004521794.1	Scaffold9632	305	TT	CC	1940564605
SNP_P1_271045_502	NW_004521794.1	Scaffold9632	502	TT	GG	1940564607
SNP_P1_271046_791	NW_004521794.1	Scaffold9632	791	GG	AA	1940564609
SNP_P1_271047_1028	NW_004521794.1	Scaffold9632	1028	AA	GG	1940564611
SNP_P1_271048_1143	NW_004521794.1	Scaffold9632	1143	TT	AA	1940564614
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SNP_P1_271050_1687	NW_004521794.1	Scaffold9632	1687	CC	TT	1940564618
SNP_P1_271051_1778	NW_004521794.1	Scaffold9632	1778	GG	CC	1940564620
SNP_P1_271052_912	NW_004521795.1	Scaffold9635	912	AA	CC	1940564622
SNP_P1_271054_506	NW_004521796.1	Scaffold9636	506	TT	GG	1940564624
SNP_P1_271055_694	NW_004521796.1	Scaffold9636	694	CC	AA	1940564626
SNP_P1_271056_833	NW_004521796.1	Scaffold9636	833	TT	AA	1940564628
SNP_P1_271057_437	NW_004521797.1	Scaffold9637	437	TT	GG	1940564630
SNP_P1_271058_178	NW_004521800.1	Scaffold9644	178	TT	CC	1940564632
SNP_P1_271059_228	NW_004521800.1	Scaffold9644	228	TT	CC	1940564635
SNP_P1_271060_280	NW_004521800.1	Scaffold9644	280	GG	TT	1940564637
SNP_P1_271061_339	NW_004521800.1	Scaffold9644	339	GG	AA	1940564639

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271063_565	NW_004521800.1	Scaffold9644	565	CC	TT	1940564643
SNP_P1_271064_641	NW_004521800.1	Scaffold9644	641	TT	CC	1940564645
SNP_P1_271065_664	NW_004521800.1	Scaffold9644	664	CC	GG	1940564647
SNP_P1_271066_734	NW_004521800.1	Scaffold9644	734	AA	CC	1940564649
SNP_P1_271067_4256	NW_004521800.1	Scaffold9644	4256	CC	TT	1940564651
SNP_P1_271068_4314	NW_004521800.1	Scaffold9644	4314	GG	AA	1940564653
SNP_P1_271069_4317	NW_004521800.1	Scaffold9644	4317	CC	TT	1940564655
SNP_P1_271070_4331	NW_004521800.1	Scaffold9644	4331	AA	GG	1940564658
SNP_P1_271071_4395	NW_004521800.1	Scaffold9644	4395	AA	GG	1940564660
SNP_P1_271072_4525	NW_004521800.1	Scaffold9644	4525	GG	TT	1940564662
SNP_P1_271073_4530	NW_004521800.1	Scaffold9644	4530	AA	CC	1940564664
SNP_P1_271074_4540	NW_004521800.1	Scaffold9644	4540	GG	AA	1940564666
SNP_P1_271075_4608	NW_004521800.1	Scaffold9644	4608	CC	TT	1940564668
SNP_P1_271076_4682	NW_004521800.1	Scaffold9644	4682	AA	GG	1940564670
SNP_P1_271077_4710	NW_004521800.1	Scaffold9644	4710	GG	TT	1940564672
SNP_P1_271078_4750	NW_004521800.1	Scaffold9644	4750	AA	CC	1940564674
SNP_P1_271079_4780	NW_004521800.1	Scaffold9644	4780	GG	TT	1940564676
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SNP_P1_271082_4938	NW_004521800.1	Scaffold9644	4938	CC	TT	1940564683
SNP_P1_271083_5009	NW_004521800.1	Scaffold9644	5009	GG	TT	1940564685
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SNP_P1_271089_5947	NW_004521802.1	Scaffold9647	5947	CC	GG	1940564697
SNP_P1_271090_1402	NW_004521805.1	Scaffold9655	1402	GG	AA	1940564699
SNP_P1_271091_1421	NW_004521805.1	Scaffold9655	1421	TT	CC	1940564702
SNP_P1_271092_1429	NW_004521805.1	Scaffold9655	1429	CC	TT	1940564704
SNP_P1_271093_64	NW_004521807.1	Scaffold9658	64	AA	TT	1940564706
SNP_P1_271094_110	NW_004521807.1	Scaffold9658	110	TT	CC	1940564708
SNP_P1_271095_64	NW_004521808.1	Scaffold9660	64	GG	CC	1940564710
SNP_P1_271096_126	NW_004521808.1	Scaffold9660	126	TT	CC	1940564712
SNP_P1_271097_150	NW_004521808.1	Scaffold9660	150	AA	TT	1940564714
SNP_P1_271098_342	NW_004521808.1	Scaffold9660	342	TT	CC	1940564716
SNP_P1_271099_506	NW_004521808.1	Scaffold9660	506	CC	TT	1940564718
SNP_P1_271100_723	NW_004521808.1	Scaffold9660	723	TT	CC	1940564720
SNP_P1_271101_859	NW_004521809.1	Scaffold9663	859	TT	CC	1940564722
SNP_P1_271102_964	NW_004521809.1	Scaffold9663	964	TT	GG	1940564725
SNP_P1_271104_561	NW_004521811.1	Scaffold9667	561	GG	AA	1940564727

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271108_20334	NW_004521815.1	Scaffold9673	20334	AA	TT	1940564733
SNP_P1_271109_20411	NW_004521815.1	Scaffold9673	20411	GG	AA	1940564735
SNP_P1_271110_20466	NW_004521815.1	Scaffold9673	20466	AA	CC	1940564737
SNP_P1_271111_20467	NW_004521815.1	Scaffold9673	20467	TT	CC	1940564739
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SNP_P1_271118_20751	NW_004521815.1	Scaffold9673	20751	CC	AA	1940564754
SNP_P1_271119_20789	NW_004521815.1	Scaffold9673	20789	GG	AA	1940564756
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SNP_P1_271122_20913	NW_004521815.1	Scaffold9673	20913	GG	AA	1940564762
SNP_P1_271123_20934	NW_004521815.1	Scaffold9673	20934	TT	AA	1940564764
SNP_P1_271124_20969	NW_004521815.1	Scaffold9673	20969	AA	CC	1940564766
SNP_P1_271125_20972	NW_004521815.1	Scaffold9673	20972	AA	GG	1940564769
SNP_P1_271126_1029	NW_004521816.1	Scaffold9675	1029	GG	TT	1940564771
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SNP_P1_271129_237	NW_004521817.1	Scaffold9677	237	AA	GG	1940564777
SNP_P1_271130_110	NW_004521819.1	Scaffold9683	110	CC	TT	1940564779
SNP_P1_271131_322	NW_004521819.1	Scaffold9683	322	TT	AA	1940564781
SNP_P1_271132_339	NW_004521819.1	Scaffold9683	339	AA	GG	1940564783
SNP_P1_271133_407	NW_004521819.1	Scaffold9683	407	GG	AA	1940564785
SNP_P1_271134_434	NW_004521819.1	Scaffold9683	434	CC	TT	1940564787
SNP_P1_271135_508	NW_004521819.1	Scaffold9683	508	CC	GG	1940564790
SNP_P1_271136_304	NW_004521820.1	Scaffold9686	304	TT	GG	1940564792
SNP_P1_271137_475	NW_004521820.1	Scaffold9686	475	TT	CC	1940564794
SNP_P1_271138_539	NW_004521820.1	Scaffold9686	539	TT	CC	1940564796
SNP_P1_271139_588	NW_004521820.1	Scaffold9686	588	TT	CC	1940564798
SNP_P1_271140_601	NW_004521820.1	Scaffold9686	601	CC	GG	1940564800
SNP_P1_271141_855	NW_004521820.1	Scaffold9686	855	GG	AA	1940564802
SNP_P1_271142_869	NW_004521820.1	Scaffold9686	869	CC	TT	1940564804
SNP_P1_271143_898	NW_004521820.1	Scaffold9686	898	GG	AA	1940564806
SNP_P1_271144_907	NW_004521820.1	Scaffold9686	907	TT	CC	1940564808
SNP_P1_271145_1137	NW_004521820.1	Scaffold9686	1137	CC	TT	1940564810
SNP_P1_271146_1393	NW_004521820.1	Scaffold9686	1393	AA	GG	1940564813
SNP_P1_271147_111	NW_004521821.1	Scaffold9693	111	TT	GG	1940564815

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_271148_378	NW_004521821.1	Scaffold9693	378	GG	CC	1940564817
SNP_P1_271149_705	NW_004521823.1	Scaffold9699	705	GG	TT	1940564819
SNP_P1_271150_765	NW_004521823.1	Scaffold9699	765	AA	CC	1940564821
SNP_P1_271151_864	NW_004521823.1	Scaffold9699	864	AA	CC	1940564823
SNP_P1_271152_64	NW_004521825.1	Scaffold9702	64	TT	AA	1940564825
SNP_P1_271153_64	NW_004521826.1	Scaffold9704	64	CC	GG	1940564827
SNP_P1_271156_19567	NW_004521826.1	Scaffold9704	19567	CC	TT	1940564829
SNP_P1_271157_19614	NW_004521826.1	Scaffold9704	19614	AA	CC	1940564831
SNP_P1_271158_532	NW_004521834.1	Scaffold9727	532	TT	AA	1940564833
SNP_P1_271159_540	NW_004521834.1	Scaffold9727	540	AA	CC	1940564836
SNP_P1_271160_578	NW_004521834.1	Scaffold9727	578	GG	AA	1940564838
SNP_P1_271161_579	NW_004521834.1	Scaffold9727	579	TT	CC	1940564840
SNP_P1_271162_580	NW_004521834.1	Scaffold9727	580	GG	TT	1940564842
SNP_P1_271163_818	NW_004521834.1	Scaffold9727	818	TT	CC	1940564844
SNP_P1_271164_697	NW_004521835.1	Scaffold9728	697	GG	AA	1940564846
SNP_P1_271165_698	NW_004521835.1	Scaffold9728	698	CC	AA	1940564848
SNP_P1_271166_981	NW_004521835.1	Scaffold9728	981	TT	CC	1940564850
SNP_P1_271167_1048	NW_004521835.1	Scaffold9728	1048	CC	AA	1940564852
SNP_P1_271168_1066	NW_004521835.1	Scaffold9728	1066	AA	GG	1940564854
SNP_P1_271169_1145	NW_004521835.1	Scaffold9728	1145	GG	AA	1940564857
SNP_P1_271170_1362	NW_004521835.1	Scaffold9728	1362	AA	TT	1940564859
SNP_P1_271171_1363	NW_004521835.1	Scaffold9728	1363	TT	CC	1940564861
SNP_P1_271172_242	NW_004521836.1	Scaffold9729	242	AA	GG	1940564863
SNP_P1_271173_568	NW_004521840.1	Scaffold9740	568	CC	TT	1940564865
SNP_P1_271175_1183	NW_004521841.1	Scaffold9742	1183	CC	TT	1940564867
SNP_P1_271176_1251	NW_004521841.1	Scaffold9742	1251	AA	GG	1940564869
SNP_P1_271177_1542	NW_004521841.1	Scaffold9742	1542	TT	CC	1940564871
SNP_P1_271178_1615	NW_004521841.1	Scaffold9742	1615	TT	GG	1940564873
SNP_P1_271179_558	NW_004521845.1	Scaffold9754	558	AA	TT	1940564875
SNP_P1_271180_64	NW_004521847.1	Scaffold9757	64	CC	TT	1940564877
SNP_P1_271181_118	NW_004521847.1	Scaffold9757	118	GG	CC	1940564880
SNP_P1_271182_521	NW_004521847.1	Scaffold9757	521	AA	GG	1940564882
SNP_P1_271183_606	NW_004521847.1	Scaffold9757	606	GG	AA	1940564884
SNP_P1_271184_668	NW_004521847.1	Scaffold9757	668	AA	TT	1940564886
SNP_P1_271185_669	NW_004521847.1	Scaffold9757	669	GG	AA	1940564888
SNP_P1_271187_917	NW_004521847.1	Scaffold9757	917	AA	GG	1940564890
SNP_P1_271188_944	NW_004521847.1	Scaffold9757	944	CC	GG	1940564892
SNP_P1_271189_997	NW_004521847.1	Scaffold9757	997	AA	CC	1940564894
SNP_P1_271190_999	NW_004521847.1	Scaffold9757	999	CC	AA	1940564896
SNP_P1_271191_1334	NW_004521847.1	Scaffold9757	1334	TT	AA	1940564898
SNP_P1_271192_1498	NW_004521847.1	Scaffold9757	1498	GG	CC	1940564900
SNP_P1_271193_1512	NW_004521847.1	Scaffold9757	1512	TT	CC	1940564903

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271196_540	NW_004521850.1	Scaffold9764	540	AA	GG	1940564909
SNP_P1_271197_1044	NW_004521853.1	Scaffold9774	1044	CC	GG	1940564911
SNP_P1_271198_1049	NW_004521853.1	Scaffold9774	1049	AA	CC	1940564913
SNP_P1_271199_1093	NW_004521853.1	Scaffold9774	1093	AA	GG	1940564915
SNP_P1_271200_1140	NW_004521853.1	Scaffold9774	1140	AA	TT	1940564917
SNP_P1_271201_230	NW_004521856.1	Scaffold9779	230	AA	GG	1940564919
SNP_P1_271202_285	NW_004521856.1	Scaffold9779	285	GG	AA	1940564921
SNP_P1_271203_357	NW_004521856.1	Scaffold9779	357	TT	AA	1940564923
SNP_P1_271204_488	NW_004521856.1	Scaffold9779	488	AA	CC	1940564926
SNP_P1_271205_490	NW_004521856.1	Scaffold9779	490	GG	AA	1940564928
SNP_P1_271206_655	NW_004521856.1	Scaffold9779	655	AA	GG	1940564930
SNP_P1_271207_657	NW_004521856.1	Scaffold9779	657	TT	GG	1940564932
SNP_P1_271208_412	NW_004521857.1	Scaffold9781	412	AA	TT	1940564934
SNP_P1_271209_445	NW_004521857.1	Scaffold9781	445	GG	CC	1940564936
SNP_P1_271210_498	NW_004521857.1	Scaffold9781	498	AA	TT	1940564938
SNP_P1_271211_499	NW_004521857.1	Scaffold9781	499	CC	AA	1940564940
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SNP_P1_271214_362	NW_004521858.1	Scaffold9784	362	AA	CC	1940564947
SNP_P1_271215_794	NW_004521858.1	Scaffold9784	794	CC	TT	1940564949
SNP_P1_271216_899	NW_004521858.1	Scaffold9784	899	TT	AA	1940564951
SNP_P1_271217_647	NW_004521860.1	Scaffold9787	647	CC	TT	1940564953
SNP_P1_271218_939	NW_004521863.1	Scaffold9797	939	CC	TT	1940564955
SNP_P1_271219_966	NW_004521863.1	Scaffold9797	966	TT	AA	1940564957
SNP_P1_271220_997	NW_004521863.1	Scaffold9797	997	CC	GG	1940564959
SNP_P1_271221_1238	NW_004521863.1	Scaffold9797	1238	CC	GG	1940564961
SNP_P1_271222_1461	NW_004521863.1	Scaffold9797	1461	CC	TT	1940564963
SNP_P1_271223_1468	NW_004521863.1	Scaffold9797	1468	TT	AA	1940564965
SNP_P1_271224_20352	NW_004521864.1	Scaffold9798	20352	TT	AA	1940564967
SNP_P1_271225_610	NW_004521865.1	Scaffold9801	610	AA	GG	1940564970
SNP_P1_271226_784	NW_004521865.1	Scaffold9801	784	CC	GG	1940564972
SNP_P1_271227_1276	NW_004521865.1	Scaffold9801	1276	CC	TT	1940564974
SNP_P1_271228_114	NW_004521869.1	Scaffold9809	114	TT	CC	1940564976
SNP_P1_271229_391	NW_004521869.1	Scaffold9809	391	GG	AA	1940564978
SNP_P1_271230_427	NW_004521869.1	Scaffold9809	427	CC	TT	1940564980
SNP_P1_271231_485	NW_004521869.1	Scaffold9809	485	AA	CC	1940564982
SNP_P1_271233_1007	NW_004521869.1	Scaffold9809	1007	AA	GG	1940564984
SNP_P1_271234_78	NW_004521870.1	Scaffold9813	78	GG	AA	1940564986
SNP_P1_271235_114	NW_004521870.1	Scaffold9813	114	GG	TT	1940564988
SNP_P1_271236_421	NW_004521870.1	Scaffold9813	421	GG	TT	1940564990

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271241_1281	NW_004521870.1	Scaffold9813	1281	GG	CC	1940564997
SNP_P1_271242_1307	NW_004521870.1	Scaffold9813	1307	AA	TT	1940564999
SNP_P1_271243_1541	NW_004521870.1	Scaffold9813	1541	CC	TT	1940565001
SNP_P1_271244_1616	NW_004521870.1	Scaffold9813	1616	CC	AA	1940565003
SNP_P1_271245_1641	NW_004521870.1	Scaffold9813	1641	GG	TT	1940565005
SNP_P1_271246_1693	NW_004521870.1	Scaffold9813	1693	TT	AA	1940565007
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SNP_P1_271248_5420	NW_004521870.1	Scaffold9813	5420	AA	GG	1940565011
SNP_P1_271249_5432	NW_004521870.1	Scaffold9813	5432	TT	GG	1940565013
SNP_P1_271250_5483	NW_004521870.1	Scaffold9813	5483	AA	GG	1940565016
SNP_P1_271251_5593	NW_004521870.1	Scaffold9813	5593	GG	AA	1940565018
SNP_P1_271252_1102	NW_004521872.1	Scaffold9818	1102	TT	CC	1940565020
SNP_P1_271253_1166	NW_004521872.1	Scaffold9818	1166	CC	TT	1940565022
SNP_P1_271254_1308	NW_004521872.1	Scaffold9818	1308	AA	TT	1940565024
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SNP_P1_271257_324	NW_004521873.1	Scaffold9819	324	AA	TT	1940565030
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SNP_P1_271262_342	NW_004521875.1	Scaffold9821	342	TT	AA	1940565041
SNP_P1_271263_347	NW_004521875.1	Scaffold9821	347	AA	TT	1940565043
SNP_P1_271264_349	NW_004521875.1	Scaffold9821	349	TT	CC	1940565045
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SNP_P1_271266_399	NW_004521875.1	Scaffold9821	399	AA	TT	1940565049
SNP_P1_271267_738	NW_004521875.1	Scaffold9821	738	CC	GG	1940565051
SNP_P1_271268_115	NW_004521878.1	Scaffold9827	115	AA	GG	1940565053
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SNP_P1_271270_373	NW_004521878.1	Scaffold9827	373	TT	GG	1940565057
SNP_P1_271271_623	NW_004521878.1	Scaffold9827	623	AA	TT	1940565060
SNP_P1_271272_796	NW_004521878.1	Scaffold9827	796	CC	TT	1940565062
SNP_P1_271273_967	NW_004521878.1	Scaffold9827	967	TT	CC	1940565064
SNP_P1_271274_973	NW_004521878.1	Scaffold9827	973	CC	TT	1940565066
SNP_P1_271275_1228	NW_004521878.1	Scaffold9827	1228	TT	CC	1940565068
SNP_P1_271276_1299	NW_004521878.1	Scaffold9827	1299	TT	GG	1940565070
SNP_P1_271277_1303	NW_004521878.1	Scaffold9827	1303	TT	GG	1940565072
SNP_P1_271278_1924	NW_004521880.1	Scaffold9833	1924	GG	CC	1940565074
SNP_P1_271279_1767	NW_004521883.1	Scaffold9836	1767	AA	TT	1940565076
SNP_P1_271280_2107	NW_004521883.1	Scaffold9836	2107	AA	CC	1940565078

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271282_2478	NW_004521883.1	Scaffold9836	2478	CC	AA	1940565083
SNP_P1_271283_2543	NW_004521883.1	Scaffold9836	2543	GG	CC	1940565085
SNP_P1_271284_2551	NW_004521883.1	Scaffold9836	2551	AA	GG	1940565087
SNP_P1_271286_258	NW_004521885.1	Scaffold9844	258	GG	TT	1940565089
SNP_P1_271287_273	NW_004521885.1	Scaffold9844	273	AA	GG	1940565091
SNP_P1_271288_561	NW_004521885.1	Scaffold9844	561	TT	GG	1940565093
SNP_P1_271289_782	NW_004521885.1	Scaffold9844	782	GG	AA	1940565095
SNP_P1_271290_297	NW_004521886.1	Scaffold9847	297	GG	CC	1940565097
SNP_P1_271291_326	NW_004521886.1	Scaffold9847	326	GG	AA	1940565099
SNP_P1_271292_367	NW_004521886.1	Scaffold9847	367	AA	TT	1940565101
SNP_P1_271293_116	NW_004521887.1	Scaffold9849	116	AA	GG	1940565103
SNP_P1_271294_521	NW_004521887.1	Scaffold9849	521	AA	GG	1940565106
SNP_P1_271295_644	NW_004521887.1	Scaffold9849	644	AA	GG	1940565108
SNP_P1_271296_794	NW_004521887.1	Scaffold9849	794	TT	GG	1940565110
SNP_P1_271297_824	NW_004521887.1	Scaffold9849	824	AA	TT	1940565112
SNP_P1_271298_196	NW_004521889.1	Scaffold9851	196	TT	CC	1940565114
SNP_P1_271299_320	NW_004521889.1	Scaffold9851	320	TT	AA	1940565116
SNP_P1_271300_376	NW_004521889.1	Scaffold9851	376	GG	AA	1940565118
SNP_P1_271301_441	NW_004521889.1	Scaffold9851	441	TT	GG	1940565120
SNP_P1_271302_643	NW_004521889.1	Scaffold9851	643	GG	TT	1940565122
SNP_P1_271303_733	NW_004521889.1	Scaffold9851	733	AA	CC	1940565124
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SNP_P1_271306_881	NW_004521889.1	Scaffold9851	881	GG	AA	1940565129
SNP_P1_271307_956	NW_004521889.1	Scaffold9851	956	AA	TT	1940565131
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SNP_P1_271309_117	NW_004521893.1	Scaffold9860	117	TT	CC	1940565135
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SNP_P1_271312_628	NW_004521893.1	Scaffold9860	628	CC	TT	1940565141
SNP_P1_271313_738	NW_004521893.1	Scaffold9860	738	CC	TT	1940565143
SNP_P1_271314_783	NW_004521893.1	Scaffold9860	783	CC	TT	1940565145
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SNP_P1_271316_877	NW_004521893.1	Scaffold9860	877	GG	AA	1940565149
SNP_P1_271318_929	NW_004521893.1	Scaffold9860	929	AA	CC	1940565152
SNP_P1_271319_946	NW_004521893.1	Scaffold9860	946	GG	AA	1940565154
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SNP_P1_271321_1075	NW_004521893.1	Scaffold9860	1075	TT	AA	1940565158
SNP_P1_271322_1264	NW_004521893.1	Scaffold9860	1264	GG	AA	1940565160
SNP_P1_271323_1280	NW_004521893.1	Scaffold9860	1280	CC	AA	1940565162
SNP_P1_271324_1312	NW_004521893.1	Scaffold9860	1312	CC	AA	1940565164
SNP_P1_271325_42	NW_004521898.1	Scaffold9880	42	AA	CC	1940565166

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271328_82	NW_004521898.1	Scaffold9880	82	AA	GG	1940565172
SNP_P1_271329_94	NW_004521898.1	Scaffold9880	94	CC	TT	1940565175
SNP_P1_271330_392	NW_004521901.1	Scaffold9887	392	AA	TT	1940565177
SNP_P1_271331_405	NW_004521901.1	Scaffold9887	405	GG	AA	1940565179
SNP_P1_271332_1311	NW_004521901.1	Scaffold9887	1311	TT	CC	1940565181
SNP_P1_271333_1357	NW_004521901.1	Scaffold9887	1357	CC	TT	1940565183
SNP_P1_271334_1359	NW_004521901.1	Scaffold9887	1359	CC	TT	1940565185
SNP_P1_271335_1361	NW_004521901.1	Scaffold9887	1361	GG	AA	1940565187
SNP_P1_271336_1375	NW_004521901.1	Scaffold9887	1375	CC	TT	1940565189
SNP_P1_271337_1384	NW_004521901.1	Scaffold9887	1384	CC	TT	1940565191
SNP_P1_271338_1415	NW_004521901.1	Scaffold9887	1415	CC	TT	1940565193
SNP_P1_271339_1717	NW_004521901.1	Scaffold9887	1717	TT	CC	1940565195
SNP_P1_271340_1745	NW_004521901.1	Scaffold9887	1745	CC	TT	1940565198
SNP_P1_271341_1872	NW_004521901.1	Scaffold9887	1872	CC	TT	1940565200
SNP_P1_271342_393	NW_004521903.1	Scaffold9892	393	CC	TT	1940565202
SNP_P1_271343_395	NW_004521903.1	Scaffold9892	395	AA	TT	1940565204
SNP_P1_271344_426	NW_004521903.1	Scaffold9892	426	TT	GG	1940565206
SNP_P1_271346_596	NW_004521903.1	Scaffold9892	596	CC	TT	1940565208
SNP_P1_271347_647	NW_004521903.1	Scaffold9892	647	TT	AA	1940565210
SNP_P1_271348_651	NW_004521903.1	Scaffold9892	651	CC	AA	1940565212
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SNP_P1_271351_778	NW_004521903.1	Scaffold9892	778	AA	GG	1940565218
SNP_P1_271352_796	NW_004521903.1	Scaffold9892	796	TT	CC	1940565221
SNP_P1_271353_903	NW_004521903.1	Scaffold9892	903	CC	GG	1940565223
SNP_P1_271354_950	NW_004521903.1	Scaffold9892	950	AA	TT	1940565225
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SNP_P1_271357_932	NW_004521907.1	Scaffold9900	932	AA	GG	1940565229
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SNP_P1_271359_975	NW_004521907.1	Scaffold9900	975	GG	AA	1940565233
SNP_P1_271360_980	NW_004521907.1	Scaffold9900	980	AA	GG	1940565235
SNP_P1_271361_985	NW_004521907.1	Scaffold9900	985	TT	CC	1940565237
SNP_P1_271362_993	NW_004521907.1	Scaffold9900	993	GG	TT	1940565239
SNP_P1_271363_994	NW_004521907.1	Scaffold9900	994	CC	AA	1940565241
SNP_P1_271364_2175	NW_004521907.1	Scaffold9900	2175	AA	GG	1940565243
SNP_P1_271365_2187	NW_004521907.1	Scaffold9900	2187	TT	AA	1940565246
SNP_P1_271366_2223	NW_004521908.1	Scaffold9901	2223	AA	TT	1940565248
SNP_P1_271367_4364	NW_004521908.1	Scaffold9901	4364	AA	GG	1940565250
SNP_P1_271368_4764	NW_004521908.1	Scaffold9901	4764	AA	GG	1940565252
SNP_P1_271369_1357	NW_004521909.1	Scaffold9902	1357	TT	CC	1940565254

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_271370_524	NW_004521910.1	Scaffold9903	524	GG	AA	1940565256
SNP_P1_271371_868	NW_004521910.1	Scaffold9903	868	TT	AA	1940565258
SNP_P1_271372_926	NW_004521910.1	Scaffold9903	926	AA	GG	1940565260
SNP_P1_271373_927	NW_004521910.1	Scaffold9903	927	AA	TT	1940565262
SNP_P1_271374_972	NW_004521910.1	Scaffold9903	972	AA	GG	1940565264
SNP_P1_271375_185	NW_004521912.1	Scaffold9917	185	GG	AA	1940565266
SNP_P1_271376_650	NW_004521912.1	Scaffold9917	650	CC	TT	1940565269
SNP_P1_271377_1036	NW_004521912.1	Scaffold9917	1036	GG	TT	1940565271
SNP_P1_271378_1131	NW_004521912.1	Scaffold9917	1131	TT	CC	1940565273
SNP_P1_271380_1192	NW_004521912.1	Scaffold9917	1192	TT	GG	1940565275
SNP_P1_271381_1270	NW_004521912.1	Scaffold9917	1270	GG	AA	1940565277
SNP_P1_271382_1301	NW_004521912.1	Scaffold9917	1301	AA	TT	1940565279
SNP_P1_271383_2332	NW_004521912.1	Scaffold9917	2332	GG	TT	1940565281
SNP_P1_271384_640	NW_004521914.1	Scaffold9921	640	TT	AA	1940565283
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SNP_P1_271386_884	NW_004521914.1	Scaffold9921	884	CC	TT	1940565287
SNP_P1_271387_921	NW_004521914.1	Scaffold9921	921	AA	CC	1940565289
SNP_P1_271388_959	NW_004521914.1	Scaffold9921	959	GG	AA	1940565292
SNP_P1_271389_656	NW_004521915.1	Scaffold9925	656	GG	CC	1940565294
SNP_P1_271390_659	NW_004521915.1	Scaffold9925	659	TT	AA	1940565296
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SNP_P1_271395_625	NW_004521919.1	Scaffold9936	625	CC	TT	1940565306
SNP_P1_271396_1017	NW_004521919.1	Scaffold9936	1017	CC	AA	1940565308
SNP_P1_271398_1565	NW_004521921.1	Scaffold9943	1565	AA	TT	1940565310
SNP_P1_271399_1641	NW_004521921.1	Scaffold9943	1641	AA	TT	1940565312
SNP_P1_271400_1711	NW_004521921.1	Scaffold9943	1711	AA	TT	1940565314
SNP_P1_271401_1817	NW_004521921.1	Scaffold9943	1817	AA	GG	1940565317
SNP_P1_271402_2051	NW_004521921.1	Scaffold9943	2051	TT	AA	1940565319
SNP_P1_271403_2099	NW_004521921.1	Scaffold9943	2099	GG	CC	1940565321
SNP_P1_271404_2176	NW_004521921.1	Scaffold9943	2176	CC	AA	1940565323
SNP_P1_271405_2247	NW_004521921.1	Scaffold9943	2247	GG	AA	1940565325
SNP_P1_271407_432	NW_004521929.1	Scaffold9958	432	AA	TT	1940565327
SNP_P1_271408_513	NW_004521929.1	Scaffold9958	513	AA	TT	1940565329
SNP_P1_271409_813	NW_004521929.1	Scaffold9958	813	AA	GG	1940565331
SNP_P1_271410_855	NW_004521929.1	Scaffold9958	855	GG	TT	1940565333
SNP_P1_271411_932	NW_004521929.1	Scaffold9958	932	CC	GG	1940565335
SNP_P1_271413_1647	NW_004521936.1	Scaffold9977	1647	CC	AA	1940565337
SNP_P1_271414_567	NW_004521940.1	Scaffold9992	567	GG	AA	1940565340
SNP_P1_271415_629	NW_004521940.1	Scaffold9992	629	AA	GG	1940565342

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271417_20657	NW_004521940.1	Scaffold9992	20657	TT	AA	1940565346
SNP_P1_271418_653	NW_004521942.1	Scaffold9997	653	CC	TT	1940565348
SNP_P1_271419_187	NW_004521944.1	Scaffold10003	187	AA	TT	1940565350
SNP_P1_271420_226	NW_004521944.1	Scaffold10003	226	AA	CC	1940565352
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SNP_P1_271423_865	NW_004521944.1	Scaffold10003	865	AA	CC	1940565358
SNP_P1_271424_64	NW_004521951.1	Scaffold10028	64	TT	AA	1940565360
SNP_P1_271425_96	NW_004521951.1	Scaffold10028	96	GG	TT	1940565363
SNP_P1_271426_339	NW_004521951.1	Scaffold10028	339	CC	AA	1940565365
SNP_P1_271428_428	NW_004521951.1	Scaffold10028	428	TT	AA	1940565367
SNP_P1_271429_18743	NW_004521952.1	Scaffold10029	18743	AA	GG	1940565369
SNP_P1_271430_18762	NW_004521952.1	Scaffold10029	18762	TT	CC	1940565371
SNP_P1_271431_18928	NW_004521952.1	Scaffold10029	18928	GG	CC	1940565373
SNP_P1_271432_19089	NW_004521952.1	Scaffold10029	19089	GG	CC	1940565375
SNP_P1_271433_19158	NW_004521952.1	Scaffold10029	19158	TT	AA	1940565377
SNP_P1_271434_19164	NW_004521952.1	Scaffold10029	19164	TT	GG	1940565379
SNP_P1_271435_716	NW_004521953.1	Scaffold10031	716	AA	TT	1940565381
SNP_P1_271436_761	NW_004521953.1	Scaffold10031	761	AA	TT	1940565383
SNP_P1_271437_958	NW_004521953.1	Scaffold10031	958	TT	AA	1940565386
SNP_P1_271438_154	NW_004521956.1	Scaffold10036	154	GG	AA	1940565388
SNP_P1_271439_329	NW_004521956.1	Scaffold10036	329	AA	CC	1940565390
SNP_P1_271440_592	NW_004521956.1	Scaffold10036	592	CC	TT	1940565392
SNP_P1_271442_627	NW_004521963.1	Scaffold10059	627	GG	TT	1940565394
SNP_P1_271443_909	NW_004521963.1	Scaffold10059	909	GG	AA	1940565396
SNP_P1_271444_949	NW_004521963.1	Scaffold10059	949	CC	TT	1940565398
SNP_P1_271445_345	NW_004521965.1	Scaffold10069	345	GG	AA	1940565400
SNP_P1_271446_511	NW_004521965.1	Scaffold10069	511	TT	AA	1940565402
SNP_P1_271447_648	NW_004521965.1	Scaffold10069	648	GG	CC	1940565404
SNP_P1_271448_537	NW_004521966.1	Scaffold10071	537	TT	GG	1940565406
SNP_P1_271449_663	NW_004521966.1	Scaffold10071	663	TT	CC	1940565409
SNP_P1_271450_873	NW_004521966.1	Scaffold10071	873	CC	TT	1940565411
SNP_P1_271451_88	NW_004521968.1	Scaffold10073	88	TT	AA	1940565413
SNP_P1_271452_126	NW_004521968.1	Scaffold10073	126	TT	AA	1940565415
SNP_P1_271453_409	NW_004521968.1	Scaffold10073	409	TT	CC	1940565417
SNP_P1_271455_478	NW_004521971.1	Scaffold10099	478	AA	TT	1940565419
SNP_P1_271456_1112	NW_004521971.1	Scaffold10099	1112	AA	TT	1940565421
SNP_P1_271457_4412	NW_004521974.1	Scaffold10103	4412	AA	GG	1940565423
SNP_P1_271458_4595	NW_004521974.1	Scaffold10103	4595	CC	GG	1940565425
SNP_P1_271459_130	NW_004521980.1	Scaffold10121	130	TT	CC	1940565427
SNP_P1_271461_608	NW_004521980.1	Scaffold10121	608	TT	AA	1940565430

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271463_618	NW_004521980.1	Scaffold10121	618	TT	GG	1940565434
SNP_P1_271464_624	NW_004521980.1	Scaffold10121	624	CC	TT	1940565436
SNP_P1_271465_646	NW_004521980.1	Scaffold10121	646	CC	TT	1940565438
SNP_P1_271466_708	NW_004521980.1	Scaffold10121	708	TT	AA	1940565440
SNP_P1_271467_709	NW_004521980.1	Scaffold10121	709	GG	CC	1940565442
SNP_P1_271468_719	NW_004521980.1	Scaffold10121	719	CC	GG	1940565444
SNP_P1_271469_728	NW_004521980.1	Scaffold10121	728	GG	AA	1940565446
SNP_P1_271470_735	NW_004521980.1	Scaffold10121	735	TT	CC	1940565448
SNP_P1_271471_817	NW_004521980.1	Scaffold10121	817	GG	TT	1940565450
SNP_P1_271472_1587	NW_004521980.1	Scaffold10121	1587	GG	AA	1940565453
SNP_P1_271473_5074	NW_004521980.1	Scaffold10121	5074	CC	TT	1940565455
SNP_P1_271474_5123	NW_004521980.1	Scaffold10121	5123	CC	TT	1940565457
SNP_P1_271475_130	NW_004521981.1	Scaffold10124	130	GG	TT	1940565459
SNP_P1_271476_440	NW_004521981.1	Scaffold10124	440	CC	TT	1940565461
SNP_P1_271477_940	NW_004521982.1	Scaffold10131	940	TT	CC	1940565463
SNP_P1_271478_1027	NW_004521982.1	Scaffold10131	1027	GG	CC	1940565465
SNP_P1_271479_1320	NW_004521982.1	Scaffold10131	1320	AA	CC	1940565467
SNP_P1_271480_1608	NW_004521982.1	Scaffold10131	1608	CC	TT	1940565469
SNP_P1_271481_88	NW_004521983.1	Scaffold10134	88	TT	GG	1940565471
SNP_P1_271482_100	NW_004521983.1	Scaffold10134	100	GG	CC	1940565473
SNP_P1_271483_452	NW_004521983.1	Scaffold10134	452	AA	CC	1940565476
SNP_P1_271484_1499	NW_004521983.1	Scaffold10134	1499	TT	GG	1940565478
SNP_P1_271485_1994	NW_004521983.1	Scaffold10134	1994	CC	TT	1940565480
SNP_P1_271486_2089	NW_004521983.1	Scaffold10134	2089	TT	AA	1940565482
SNP_P1_271487_2145	NW_004521983.1	Scaffold10134	2145	TT	CC	1940565484
SNP_P1_271488_2173	NW_004521983.1	Scaffold10134	2173	CC	GG	1940565486
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SNP_P1_271492_1065	NW_004521984.1	Scaffold10136	1065	GG	TT	1940565494
SNP_P1_271493_485	NW_004521986.1	Scaffold10148	485	CC	TT	1940565497
SNP_P1_271494_756	NW_004521986.1	Scaffold10148	756	GG	AA	1940565499
SNP_P1_271496_709	NW_004521988.1	Scaffold10152	709	GG	AA	1940565501
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SNP_P1_271498_782	NW_004521988.1	Scaffold10152	782	CC	TT	1940565505
SNP_P1_271499_832	NW_004521988.1	Scaffold10152	832	GG	TT	1940565507
SNP_P1_271500_928	NW_004521988.1	Scaffold10152	928	GG	CC	1940565509
SNP_P1_271501_971	NW_004521988.1	Scaffold10152	971	TT	AA	1940565511
SNP_P1_271502_972	NW_004521988.1	Scaffold10152	972	AA	TT	1940565513
SNP_P1_271503_1084	NW_004521988.1	Scaffold10152	1084	AA	GG	1940565515
SNP_P1_271504_203	NW_004521989.1	Scaffold10154	203	TT	GG	1940565517

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271506_475	NW_004521989.1	Scaffold10154	475	CC	AA	1940565522
SNP_P1_271507_481	NW_004521989.1	Scaffold10154	481	CC	AA	1940565524
SNP_P1_271508_497	NW_004521989.1	Scaffold10154	497	TT	AA	1940565526
SNP_P1_271509_507	NW_004521989.1	Scaffold10154	507	AA	GG	1940565528
SNP_P1_271510_530	NW_004521989.1	Scaffold10154	530	TT	AA	1940565530
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SNP_P1_271515_790	NW_004521989.1	Scaffold10154	790	CC	TT	1940565540
SNP_P1_271516_891	NW_004521989.1	Scaffold10154	891	TT	GG	1940565543
SNP_P1_271517_898	NW_004521989.1	Scaffold10154	898	TT	AA	1940565545
SNP_P1_271518_922	NW_004521989.1	Scaffold10154	922	TT	CC	1940565547
SNP_P1_271519_928	NW_004521989.1	Scaffold10154	928	GG	AA	1940565549
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SNP_P1_271521_971	NW_004521989.1	Scaffold10154	971	TT	CC	1940565553
SNP_P1_271522_980	NW_004521989.1	Scaffold10154	980	CC	TT	1940565555
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SNP_P1_271524_1008	NW_004521989.1	Scaffold10154	1008	AA	GG	1940565559
SNP_P1_271525_1032	NW_004521989.1	Scaffold10154	1032	CC	TT	1940565561
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SNP_P1_271539_1440	NW_004521995.1	Scaffold10181	1440	GG	CC	1940565587
SNP_P1_271540_1483	NW_004521995.1	Scaffold10181	1483	TT	CC	1940565589
SNP_P1_271541_1623	NW_004521995.1	Scaffold10181	1623	TT	AA	1940565591
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SNP_P1_271543_1543	NW_004521997.1	Scaffold10186	1543	TT	AA	1940565595
SNP_P1_271544_1552	NW_004521997.1	Scaffold10186	1552	TT	CC	1940565597
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SNP_P1_271546_1616	NW_004521997.1	Scaffold10186	1616	TT	CC	1940565601
SNP_P1_271547_64	NW_004521998.1	Scaffold10196	64	CC	TT	1940565603
SNP_P1_271548_104	NW_004521998.1	Scaffold10196	104	AA	TT	1940565605

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271550_960	NW_004521998.1	Scaffold10196	960	TT	AA	1940565610
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SNP_P1_271552_1385	NW_004521998.1	Scaffold10196	1385	AA	CC	1940565614
SNP_P1_271553_984	NW_004522004.1	Scaffold10218	984	TT	CC	1940565616
SNP_P1_271554_1035	NW_004522004.1	Scaffold10218	1035	TT	CC	1940565618
SNP_P1_271555_1256	NW_004522004.1	Scaffold10218	1256	TT	CC	1940565620
SNP_P1_271556_1594	NW_004522004.1	Scaffold10218	1594	GG	AA	1940565622
SNP_P1_271557_1614	NW_004522004.1	Scaffold10218	1614	TT	AA	1940565624
SNP_P1_271558_1665	NW_004522006.1	Scaffold10227	1665	CC	TT	1940565626
SNP_P1_271560_3273	NW_004522006.1	Scaffold10227	3273	GG	AA	1940565628
SNP_P1_271561_4979	NW_004522006.1	Scaffold10227	4979	TT	AA	1940565630
SNP_P1_271562_6034	NW_004522006.1	Scaffold10227	6034	GG	AA	1940565633
SNP_P1_271563_6207	NW_004522006.1	Scaffold10227	6207	GG	AA	1940565635
SNP_P1_271565_6941	NW_004522006.1	Scaffold10227	6941	TT	CC	1940565637
SNP_P1_271566_9391	NW_004522006.1	Scaffold10227	9391	TT	AA	1940565639
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SNP_P1_271568_11246	NW_004522006.1	Scaffold10227	11246	AA	GG	1940565643
SNP_P1_271569_11267	NW_004522006.1	Scaffold10227	11267	AA	TT	1940565645
SNP_P1_271570_11324	NW_004522006.1	Scaffold10227	11324	AA	GG	1940565647
SNP_P1_271571_11351	NW_004522006.1	Scaffold10227	11351	CC	TT	1940565649
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SNP_P1_271573_11443	NW_004522006.1	Scaffold10227	11443	CC	TT	1940565654
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SNP_P1_271575_11549	NW_004522006.1	Scaffold10227	11549	AA	GG	1940565658
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SNP_P1_271577_11562	NW_004522006.1	Scaffold10227	11562	AA	GG	1940565662
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SNP_P1_271581_12055	NW_004522006.1	Scaffold10227	12055	GG	AA	1940565670
SNP_P1_271582_12108	NW_004522006.1	Scaffold10227	12108	TT	CC	1940565672
SNP_P1_271583_12130	NW_004522006.1	Scaffold10227	12130	GG	AA	1940565674
SNP_P1_271584_12136	NW_004522006.1	Scaffold10227	12136	AA	CC	1940565677
SNP_P1_271585_12179	NW_004522006.1	Scaffold10227	12179	AA	GG	1940565679
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SNP_P1_271587_417	NW_004522007.1	Scaffold10231	417	GG	AA	1940565683
SNP_P1_271589_672	NW_004522007.1	Scaffold10231	672	CC	TT	1940565685
SNP_P1_271590_850	NW_004522007.1	Scaffold10231	850	CC	AA	1940565687
SNP_P1_271591_56	NW_004522008.1	Scaffold10232	56	TT	GG	1940565689
SNP_P1_271592_64	NW_004522008.1	Scaffold10232	64	AA	GG	1940565691
SNP_P1_271593_101	NW_004522008.1	Scaffold10232	101	AA	CC	1940565693

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_271594_140	NW_004522008.1	Scaffold10232	140	AA	CC	1940565695
SNP_P1_271595_142	NW_004522008.1	Scaffold10232	142	TT	AA	1940565698
SNP_P1_271596_151	NW_004522008.1	Scaffold10232	151	GG	AA	1940565700
SNP_P1_271597_223	NW_004522008.1	Scaffold10232	223	GG	AA	1940565702
SNP_P1_271598_231	NW_004522008.1	Scaffold10232	231	AA	GG	1940565704
SNP_P1_271599_238	NW_004522008.1	Scaffold10232	238	AA	TT	1940565706
SNP_P1_271600_239	NW_004522008.1	Scaffold10232	239	TT	AA	1940565708
SNP_P1_271601_240	NW_004522008.1	Scaffold10232	240	AA	TT	1940565710
SNP_P1_271602_242	NW_004522008.1	Scaffold10232	242	AA	GG	1940565712
SNP_P1_271603_245	NW_004522008.1	Scaffold10232	245	AA	TT	1940565714
SNP_P1_271605_343	NW_004522008.1	Scaffold10232	343	CC	AA	1940565716
SNP_P1_271606_440	NW_004522008.1	Scaffold10232	440	CC	TT	1940565718
SNP_P1_271607_444	NW_004522008.1	Scaffold10232	444	AA	GG	1940565721
SNP_P1_271608_560	NW_004522008.1	Scaffold10232	560	GG	AA	1940565723
SNP_P1_271609_570	NW_004522008.1	Scaffold10232	570	TT	CC	1940565725
SNP_P1_271610_720	NW_004522008.1	Scaffold10232	720	AA	CC	1940565727
SNP_P1_271611_725	NW_004522008.1	Scaffold10232	725	GG	TT	1940565729
SNP_P1_271613_882	NW_004522008.1	Scaffold10232	882	CC	AA	1940565731
SNP_P1_271614_883	NW_004522008.1	Scaffold10232	883	AA	TT	1940565733
SNP_P1_271615_884	NW_004522008.1	Scaffold10232	884	TT	GG	1940565735
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SNP_P1_271617_361	NW_004522009.1	Scaffold10238	361	TT	CC	1940565739
SNP_P1_271618_1012	NW_004522009.1	Scaffold10238	1012	GG	AA	1940565741
SNP_P1_271619_1144	NW_004522009.1	Scaffold10238	1144	GG	AA	1940565744
SNP_P1_271620_1145	NW_004522009.1	Scaffold10238	1145	AA	GG	1940565746
SNP_P1_271621_1177	NW_004522009.1	Scaffold10238	1177	CC	TT	1940565748
SNP_P1_271622_1213	NW_004522009.1	Scaffold10238	1213	CC	AA	1940565750
SNP_P1_271623_1223	NW_004522009.1	Scaffold10238	1223	CC	TT	1940565752
SNP_P1_271624_1276	NW_004522009.1	Scaffold10238	1276	CC	GG	1940565754
SNP_P1_271625_1350	NW_004522009.1	Scaffold10238	1350	TT	CC	1940565756
SNP_P1_271626_1394	NW_004522009.1	Scaffold10238	1394	GG	AA	1940565758
SNP_P1_271627_1411	NW_004522009.1	Scaffold10238	1411	TT	CC	1940565760
SNP_P1_271628_1412	NW_004522009.1	Scaffold10238	1412	AA	CC	1940565762
SNP_P1_271630_1464	NW_004522009.1	Scaffold10238	1464	TT	CC	1940565764
SNP_P1_271632_944	NW_004522013.1	Scaffold10244	944	GG	AA	1940565767
SNP_P1_271633_1445	NW_004522013.1	Scaffold10244	1445	TT	CC	1940565769
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SNP_P1_271635_1744	NW_004522013.1	Scaffold10244	1744	GG	TT	1940565773
SNP_P1_271636_1770	NW_004522013.1	Scaffold10244	1770	TT	GG	1940565775
SNP_P1_271637_1851	NW_004522013.1	Scaffold10244	1851	GG	AA	1940565777
SNP_P1_271638_1974	NW_004522013.1	Scaffold10244	1974	TT	GG	1940565779
SNP_P1_271639_410	NW_004522016.1	Scaffold10256	410	TT	CC	1940565781

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271641_255	NW_004522021.1	Scaffold10285	255	AA	GG	1940565785
SNP_P1_271642_407	NW_004522021.1	Scaffold10285	407	AA	GG	1940565787
SNP_P1_271643_784	NW_004522021.1	Scaffold10285	784	CC	TT	1940565790
SNP_P1_271644_888	NW_004522021.1	Scaffold10285	888	TT	AA	1940565792
SNP_P1_271646_1477	NW_004522021.1	Scaffold10285	1477	TT	AA	1940565794
SNP_P1_271647_18807	NW_004522022.1	Scaffold10299	18807	AA	TT	1940565796
SNP_P1_271648_18809	NW_004522022.1	Scaffold10299	18809	GG	AA	1940565798
SNP_P1_271649_18821	NW_004522022.1	Scaffold10299	18821	TT	CC	1940565800
SNP_P1_271650_18867	NW_004522022.1	Scaffold10299	18867	TT	CC	1940565802
SNP_P1_271651_18978	NW_004522022.1	Scaffold10299	18978	GG	AA	1940565804
SNP_P1_271652_18983	NW_004522022.1	Scaffold10299	18983	TT	CC	1940565806
SNP_P1_271653_19158	NW_004522022.1	Scaffold10299	19158	GG	AA	1940565808
SNP_P1_271654_19166	NW_004522022.1	Scaffold10299	19166	CC	TT	1940565811
SNP_P1_271655_19196	NW_004522022.1	Scaffold10299	19196	GG	TT	1940565813
SNP_P1_271656_19334	NW_004522022.1	Scaffold10299	19334	CC	TT	1940565815
SNP_P1_271657_19373	NW_004522022.1	Scaffold10299	19373	TT	AA	1940565817
SNP_P1_271658_19416	NW_004522022.1	Scaffold10299	19416	GG	CC	1940565819
SNP_P1_271660_666	NW_004522023.1	Scaffold10304	666	TT	GG	1940565821
SNP_P1_271661_884	NW_004522023.1	Scaffold10304	884	TT	AA	1940565823
SNP_P1_271662_1006	NW_004522023.1	Scaffold10304	1006	TT	CC	1940565825
SNP_P1_271663_1300	NW_004522023.1	Scaffold10304	1300	TT	GG	1940565827
SNP_P1_271664_1328	NW_004522023.1	Scaffold10304	1328	AA	TT	1940565829
SNP_P1_271665_1615	NW_004522023.1	Scaffold10304	1615	GG	AA	1940565832
SNP_P1_271666_161	NW_004522024.1	Scaffold10305	161	AA	GG	1940565834
SNP_P1_271667_409	NW_004522024.1	Scaffold10305	409	AA	GG	1940565836
SNP_P1_271668_527	NW_004522024.1	Scaffold10305	527	CC	TT	1940565838
SNP_P1_271669_570	NW_004522024.1	Scaffold10305	570	CC	GG	1940565840
SNP_P1_271670_1173	NW_004522024.1	Scaffold10305	1173	CC	TT	1940565842
SNP_P1_271671_1196	NW_004522024.1	Scaffold10305	1196	GG	AA	1940565844
SNP_P1_271672_1522	NW_004522025.1	Scaffold10307	1522	CC	GG	1940565846
SNP_P1_271673_1555	NW_004522025.1	Scaffold10307	1555	GG	AA	1940565848
SNP_P1_271674_1568	NW_004522025.1	Scaffold10307	1568	AA	GG	1940565851
SNP_P1_271675_1569	NW_004522025.1	Scaffold10307	1569	CC	GG	1940565853
SNP_P1_271676_1664	NW_004522025.1	Scaffold10307	1664	GG	AA	1940565855
SNP_P1_271677_570	NW_004522026.1	Scaffold10313	570	CC	AA	1940565857
SNP_P1_271678_575	NW_004522026.1	Scaffold10313	575	TT	AA	1940565859
SNP_P1_271679_659	NW_004522029.1	Scaffold10320	659	CC	TT	1940565861
SNP_P1_271680_1009	NW_004522029.1	Scaffold10320	1009	TT	GG	1940565863
SNP_P1_271681_1093	NW_004522029.1	Scaffold10320	1093	CC	AA	1940565865
SNP_P1_271682_1189	NW_004522029.1	Scaffold10320	1189	CC	AA	1940565867
SNP_P1_271683_1298	NW_004522029.1	Scaffold10320	1298	AA	GG	1940565869

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271686_1214	NW_004522031.1	Scaffold10324	1214	TT	GG	1940565876
SNP_P1_271687_1240	NW_004522031.1	Scaffold10324	1240	CC	AA	1940565878
SNP_P1_271688_4875	NW_004522034.1	Scaffold10336	4875	CC	TT	1940565880
SNP_P1_271689_4910	NW_004522034.1	Scaffold10336	4910	CC	TT	1940565882
SNP_P1_271690_839	NW_004522036.1	Scaffold10351	839	TT	AA	1940565884
SNP_P1_271691_91	NW_004522037.1	Scaffold10354	91	TT	AA	1940565886
SNP_P1_271692_299	NW_004522037.1	Scaffold10354	299	AA	GG	1940565888
SNP_P1_271693_317	NW_004522037.1	Scaffold10354	317	GG	CC	1940565890
SNP_P1_271694_334	NW_004522037.1	Scaffold10354	334	TT	AA	1940565892
SNP_P1_271695_373	NW_004522037.1	Scaffold10354	373	GG	TT	1940565894
SNP_P1_271697_932	NW_004522037.1	Scaffold10354	932	AA	GG	1940565897
SNP_P1_271698_982	NW_004522037.1	Scaffold10354	982	TT	CC	1940565899
SNP_P1_271699_20123	NW_004522037.1	Scaffold10354	20123	TT	CC	1940565901
SNP_P1_271700_347	NW_004522039.1	Scaffold10356	347	CC	AA	1940565903
SNP_P1_271701_348	NW_004522039.1	Scaffold10356	348	GG	TT	1940565905
SNP_P1_271702_406	NW_004522039.1	Scaffold10356	406	CC	AA	1940565907
SNP_P1_271703_439	NW_004522039.1	Scaffold10356	439	GG	AA	1940565909
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SNP_P1_271706_764	NW_004522039.1	Scaffold10356	764	CC	AA	1940565915
SNP_P1_271707_64	NW_004522041.1	Scaffold10361	64	CC	AA	1940565918
SNP_P1_271708_181	NW_004522041.1	Scaffold10361	181	AA	TT	1940565920
SNP_P1_271709_601	NW_004522041.1	Scaffold10361	601	AA	TT	1940565922
SNP_P1_271710_629	NW_004522041.1	Scaffold10361	629	GG	CC	1940565924
SNP_P1_271711_653	NW_004522041.1	Scaffold10361	653	CC	AA	1940565926
SNP_P1_271712_657	NW_004522041.1	Scaffold10361	657	AA	GG	1940565928
SNP_P1_271713_708	NW_004522041.1	Scaffold10361	708	GG	AA	1940565930
SNP_P1_271714_747	NW_004522041.1	Scaffold10361	747	AA	CC	1940565932
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SNP_P1_271716_767	NW_004522041.1	Scaffold10361	767	CC	AA	1940565936
SNP_P1_271717_819	NW_004522041.1	Scaffold10361	819	CC	TT	1940565938
SNP_P1_271718_835	NW_004522041.1	Scaffold10361	835	CC	AA	1940565941
SNP_P1_271719_843	NW_004522041.1	Scaffold10361	843	AA	GG	1940565943
SNP_P1_271720_850	NW_004522041.1	Scaffold10361	850	GG	AA	1940565945
SNP_P1_271722_925	NW_004522041.1	Scaffold10361	925	AA	GG	1940565947
SNP_P1_271723_932	NW_004522041.1	Scaffold10361	932	TT	AA	1940565949
SNP_P1_271724_934	NW_004522041.1	Scaffold10361	934	TT	CC	1940565951
SNP_P1_271725_947	NW_004522041.1	Scaffold10361	947	CC	GG	1940565953
SNP_P1_271726_949	NW_004522041.1	Scaffold10361	949	AA	GG	1940565955
SNP_P1_271727_960	NW_004522041.1	Scaffold10361	960	GG	AA	1940565957

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271730_1005	NW_004522041.1	Scaffold10361	1005	CC	AA	1940565964
SNP_P1_271731_1013	NW_004522041.1	Scaffold10361	1013	TT	AA	1940565966
SNP_P1_271732_1014	NW_004522041.1	Scaffold10361	1014	CC	TT	1940565968
SNP_P1_271733_1015	NW_004522041.1	Scaffold10361	1015	AA	TT	1940565970
SNP_P1_271734_1042	NW_004522041.1	Scaffold10361	1042	TT	AA	1940565972
SNP_P1_271735_1049	NW_004522041.1	Scaffold10361	1049	GG	CC	1940565974
SNP_P1_271736_1072	NW_004522041.1	Scaffold10361	1072	CC	TT	1940565976
SNP_P1_271737_1116	NW_004522041.1	Scaffold10361	1116	GG	CC	1940565978
SNP_P1_271738_1117	NW_004522041.1	Scaffold10361	1117	AA	TT	1940565980
SNP_P1_271739_1129	NW_004522041.1	Scaffold10361	1129	GG	AA	1940565982
SNP_P1_271740_1264	NW_004522041.1	Scaffold10361	1264	TT	CC	1940565985
SNP_P1_271742_64	NW_004522046.1	Scaffold10378	64	TT	CC	1940565987
SNP_P1_271743_123	NW_004522046.1	Scaffold10378	123	AA	GG	1940565989
SNP_P1_271744_235	NW_004522046.1	Scaffold10378	235	CC	AA	1940565991
SNP_P1_271745_292	NW_004522046.1	Scaffold10378	292	AA	CC	1940565993
SNP_P1_271746_592	NW_004522046.1	Scaffold10378	592	AA	CC	1940565995
SNP_P1_271747_680	NW_004522046.1	Scaffold10378	680	TT	GG	1940565997
SNP_P1_271748_687	NW_004522046.1	Scaffold10378	687	CC	TT	1940565999
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SNP_P1_271756_967	NW_004522046.1	Scaffold10378	967	TT	GG	1940566016
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SNP_P1_271761_1175	NW_004522046.1	Scaffold10378	1175	GG	TT	1940566026
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SNP_P1_271763_1234	NW_004522046.1	Scaffold10378	1234	TT	CC	1940566031
SNP_P1_271764_1239	NW_004522046.1	Scaffold10378	1239	AA	GG	1940566033
SNP_P1_271765_1240	NW_004522046.1	Scaffold10378	1240	CC	TT	1940566035
SNP_P1_271766_64	NW_004522051.1	Scaffold10392	64	AA	GG	1940566037
SNP_P1_271767_186	NW_004522051.1	Scaffold10392	186	TT	CC	1940566039
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SNP_P1_271769_350	NW_004522051.1	Scaffold10392	350	GG	TT	1940566043
SNP_P1_271770_512	NW_004522053.1	Scaffold10394	512	AA	CC	1940566045

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271772_266	NW_004522055.1	Scaffold10409	266	TT	AA	1940566049
SNP_P1_271773_269	NW_004522055.1	Scaffold10409	269	CC	AA	1940566052
SNP_P1_271774_277	NW_004522055.1	Scaffold10409	277	TT	AA	1940566054
SNP_P1_271775_482	NW_004522055.1	Scaffold10409	482	GG	AA	1940566056
SNP_P1_271776_559	NW_004522055.1	Scaffold10409	559	AA	GG	1940566058
SNP_P1_271778_1499	NW_004522056.1	Scaffold10412	1499	GG	CC	1940566060
SNP_P1_271779_335	NW_004522059.1	Scaffold10415	335	GG	AA	1940566062
SNP_P1_271780_714	NW_004522059.1	Scaffold10415	714	AA	GG	1940566064
SNP_P1_271784_741	NW_004522062.1	Scaffold10419	741	GG	AA	1940566066
SNP_P1_271786_8993	NW_004522062.1	Scaffold10419	8993	AA	CC	1940566068
SNP_P1_271787_10314	NW_004522062.1	Scaffold10419	10314	AA	TT	1940566070
SNP_P1_271788_38390	NW_004522063.1	Scaffold10420	38390	AA	GG	1940566072
SNP_P1_271789_706	NW_004522098.1	C11046550	706	GG	TT	1940566075
SNP_P1_271794_391	NW_004522120.1	C11048340	391	TT	CC	1940566077
SNP_P1_271795_421	NW_004522120.1	C11048340	421	AA	CC	1940566079
SNP_P1_271796_659	NW_004522120.1	C11048340	659	CC	GG	1940566081
SNP_P1_271797_664	NW_004522120.1	C11048340	664	TT	CC	1940566083
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SNP_P1_271800_707	NW_004522120.1	C11048340	707	CC	AA	1940566089
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SNP_P1_271803_837	NW_004522120.1	C11048340	837	AA	GG	1940566096
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SNP_P1_271807_934	NW_004522120.1	C11048340	934	CC	TT	1940566104
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SNP_P1_271813_210	NW_004522146.1	C11051556	210	AA	GG	1940566112
SNP_P1_271814_1044	NW_004522146.1	C11051556	1044	CC	TT	1940566114
SNP_P1_271817_451	NW_004522172.1	C11054110	451	TT	CC	1940566116
SNP_P1_271818_91	NW_004522186.1	C11055896	91	AA	GG	1940566119
SNP_P1_271823_937	NW_004522221.1	C11059834	937	CC	GG	1940566121
SNP_P1_271824_1102	NW_004522221.1	C11059834	1102	GG	CC	1940566123
SNP_P1_271825_1111	NW_004522221.1	C11059834	1111	AA	GG	1940566125
SNP_P1_271829_946	NW_004522237.1	C11061968	946	TT	GG	1940566127
SNP_P1_271830_956	NW_004522237.1	C11061968	956	AA	GG	1940566129
SNP_P1_271833_555	NW_004522258.1	C11063272	555	AA	GG	1940566131
SNP_P1_271834_872	NW_004522258.1	C11063272	872	TT	GG	1940566133

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_271835_482	NW_004522265.1	C11064028	482	GG	CC	1940566135
SNP_P1_271838_813	NW_004522278.1	C11065790	813	AA	CC	1940566137
SNP_P1_271845_238	NW_004522324.1	C11071258	238	AA	TT	1940566140
SNP_P1_271851_1285	NW_004522394.1	C11079828	1285	AA	TT	1940566142
SNP_P1_271852_1286	NW_004522394.1	C11079828	1286	AA	TT	1940566144
SNP_P1_271857_1138	NW_004522401.1	C11081242	1138	TT	CC	1940566146
SNP_P1_271858_416	NW_004522406.1	C11082608	416	AA	TT	1940566148
SNP_P1_271859_100	NW_004522424.1	C11085654	100	CC	TT	1940566150
SNP_P1_271860_1218	NW_004522470.1	C11096826	1218	AA	TT	1940566152
SNP_P1_271863_745	NW_004522492.1	C11100822	745	TT	CC	1940566154
SNP_P1_271864_208	NW_004522521.1	C11106614	208	CC	GG	1940566156
SNP_P1_271866_1784	NW_004522537.1	C11109044	1784	TT	CC	1940566158
SNP_P1_271868_1712	NW_004522543.1	C11110620	1712	GG	AA	1940566160
SNP_P1_271869_306	NW_004522574.1	C11119398	306	GG	AA	1940566163
SNP_P1_271870_310	NW_004522574.1	C11119398	310	CC	TT	1940566165
SNP_P1_271871_311	NW_004522574.1	C11119398	311	AA	GG	1940566167
SNP_P1_271872_314	NW_004522574.1	C11119398	314	GG	TT	1940566169
SNP_P1_271873_344	NW_004522574.1	C11119398	344	CC	TT	1940566171
SNP_P1_271874_388	NW_004522574.1	C11119398	388	AA	CC	1940566173
SNP_P1_271875_389	NW_004522574.1	C11119398	389	AA	GG	1940566175
SNP_P1_271876_424	NW_004522574.1	C11119398	424	CC	TT	1940566177
SNP_P1_271877_466	NW_004522574.1	C11119398	466	GG	CC	1940566179
SNP_P1_271878_568	NW_004522574.1	C11119398	568	CC	TT	1940566181
SNP_P1_271880_1369	NW_004522574.1	C11119398	1369	CC	TT	1940566183
SNP_P1_271882_1782	NW_004522574.1	C11119398	1782	AA	GG	1940566186
SNP_P1_271883_1809	NW_004522574.1	C11119398	1809	CC	TT	1940566188
SNP_P1_271884_1828	NW_004522574.1	C11119398	1828	GG	AA	1940566190
SNP_P1_271885_1854	NW_004522574.1	C11119398	1854	TT	CC	1940566192
SNP_P1_271886_2062	NW_004522574.1	C11119398	2062	TT	GG	1940566194
SNP_P1_271887_2070	NW_004522574.1	C11119398	2070	TT	CC	1940566196
SNP_P1_271888_2089	NW_004522574.1	C11119398	2089	CC	TT	1940566198
SNP_P1_271889_2100	NW_004522574.1	C11119398	2100	TT	CC	1940566200
SNP_P1_271890_2132	NW_004522574.1	C11119398	2132	CC	GG	1940566202
SNP_P1_271891_2279	NW_004522574.1	C11119398	2279	CC	TT	1940566204
SNP_P1_271892_2414	NW_004522574.1	C11119398	2414	CC	TT	1940566207
SNP_P1_271893_2428	NW_004522574.1	C11119398	2428	TT	CC	1940566209
SNP_P1_271894_2439	NW_004522574.1	C11119398	2439	AA	TT	1940566211
SNP_P1_271895_2464	NW_004522574.1	C11119398	2464	CC	TT	1940566213
SNP_P1_271896_2486	NW_004522574.1	C11119398	2486	GG	TT	1940566215
SNP_P1_271897_2487	NW_004522574.1	C11119398	2487	CC	GG	1940566217
SNP_P1_271899_685	NW_004522593.1	C11124516	685	CC	TT	1940566219
SNP_P1_271900_1547	NW_004522593.1	C11124516	1547	CC	TT	1940566221

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
SNP_P1_271901_1915	NW_004522593.1	C11124516	1915	AA	CC	1940566223
SNP_P1_271902_1937	NW_004522593.1	C11124516	1937	CC	TT	1940566225
SNP_P1_271903_2100	NW_004522593.1	C11124516	2100	AA	GG	1940566227
SNP_P1_271904_2834	NW_004522607.1	C11129662	2834	CC	TT	1940566230
SNP_P1_271905_2906	NW_004522607.1	C11129662	2906	GG	AA	1940566232
SNP_P1_271906_2911	NW_004522607.1	C11129662	2911	AA	GG	1940566234
SNP_P1_271907_2945	NW_004522607.1	C11129662	2945	AA	GG	1940566236
SNP_P1_271908_3273	NW_004522607.1	C11129662	3273	GG	AA	1940566238
SNP_P1_271909_845	NW_004522615.1	C11132108	845	AA	GG	1940566240
SNP_P1_271910_891	NW_004522615.1	C11132108	891	GG	AA	1940566242
SNP_P1_271911_1015	NW_004522615.1	C11132108	1015	TT	CC	1940566244
SNP_P1_271912_1309	NW_004522643.1	C11140974	1309	AA	TT	1940566246
SNP_P1_271914_2960	NW_004522675.1	C11150620	2960	TT	CC	1940566248
SNP_P1_271915_3780	NW_004522675.1	C11150620	3780	AA	GG	1940566250
SNP_P1_271916_4788	NW_004522681.1	C11152768	4788	GG	AA	1940566253
SNP_P1_271917_625	NW_004522686.1	C11154862	625	AA	CC	1940566255
SNP_P1_271919_921	NW_004522686.1	C11154862	921	AA	TT	1940566257
SNP_P1_271920_937	NW_004522686.1	C11154862	937	TT	CC	1940566259
SNP_P1_271921_941	NW_004522686.1	C11154862	941	AA	GG	1940566261
SNP_P1_271922_942	NW_004522686.1	C11154862	942	CC	TT	1940566263
SNP_P1_271923_999	NW_004522686.1	C11154862	999	AA	GG	1940566265
SNP_P1_271924_1015	NW_004522686.1	C11154862	1015	CC	TT	1940566267
SNP_P1_271925_1022	NW_004522686.1	C11154862	1022	TT	CC	1940566269
SNP_P1_271926_2585	NW_004522686.1	C11154862	2585	TT	CC	1940566271
SNP_P1_271927_2596	NW_004522686.1	C11154862	2596	TT	CC	1940566273
SNP_P1_271928_3690	NW_004522686.1	C11154862	3690	CC	TT	1940566276
SNP_P1_271929_3694	NW_004522686.1	C11154862	3694	GG	AA	1940566278
SNP_P1_271930_4272	NW_004522686.1	C11154862	4272	TT	GG	1940566280
SNP_P1_271931_4273	NW_004522686.1	C11154862	4273	CC	TT	1940566282
SNP_P1_271932_4617	NW_004522686.1	C11154862	4617	TT	CC	1940566284
SNP_P1_271933_5304	NW_004522686.1	C11154862	5304	CC	AA	1940566286
SNP_P1_271935_2891	NW_004522689.1	C11155258	2891	CC	TT	1940566288
SNP_P1_271937_3867	NW_004522689.1	C11155258	3867	CC	AA	1940566290
SNP_P1_271939_5745	NW_004522689.1	C11155258	5745	CC	AA	1940566292
SNP_P1_271940_5408	NW_004522690.1	C11155542	5408	TT	AA	1940566294
SNP_P1_271941_5457	NW_004522690.1	C11155542	5457	GG	AA	1940566296
SNP_P1_271942_5458	NW_004522690.1	C11155542	5458	AA	CC	1940566299
SNP_P1_271943_1260	NW_004522697.1	C11159426	1260	CC	TT	1940566301
SNP_P1_271944_1985	NW_004522697.1	C11159426	1985	GG	AA	1940566303
SNP_P1_271945_2912	NW_004522697.1	C11159426	2912	GG	CC	1940566305
SNP_P1_271947_3832	NW_004522697.1	C11159426	3832	TT	CC	1940566307
SNP_P1_271948_3871	NW_004522697.1	C11159426	3871	AA	GG	1940566309

SNPs IDs	Chromosome IDs	Chromosomes	Physical positions (bp)	CDC Frontier (Reference genome)	(Pusa 1103 & HPNB)	NCBI SNPdb Accession IDs
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SNP_P1_271950_4784	NW_004522697.1	C11159426	4784	CC	TT	1940566313
SNP_P1_271951_4825	NW_004522697.1	C11159426	4825	CC	AA	1940566315
SNP_P1_271952_4962	NW_004522697.1	C11159426	4962	GG	AA	1940566317
SNP_P1_271953_4975	NW_004522697.1	C11159426	4975	AA	TT	1940566319
SNP_P1_271954_735	NW_004522707.1	C11161624	735	GG	AA	1940566321
SNP_P1_271955_3022	NW_004522709.1	C11161892	3022	CC	TT	1940566324
SNP_P1_271957_5709	NW_004522727.1	C11168930	5709	AA	GG	1940566326
SNP_P1_271959_5770	NW_004522727.1	C11168930	5770	GG	AA	1940566328
SNP_P1_271960_5868	NW_004522727.1	C11168930	5868	AA	GG	1940566330
SNP_P1_271961_5917	NW_004522727.1	C11168930	5917	AA	GG	1940566332
SNP_P1_271963_7867	NW_004522727.1	C11168930	7867	TT	CC	1940566334
SNP_P1_271964_8088	NW_004522727.1	C11168930	8088	GG	AA	1940566336
SNP_P1_271967_5853	NW_004522738.1	C11176652	5853	AA	CC	1940566338
SNP_P1_271968_6845	NW_004522738.1	C11176652	6845	TT	CC	1940566340
SNP_P1_271969_7040	NW_004522738.1	C11176652	7040	TT	GG	1940566342
SNP_P1_271970_8555	NW_004522738.1	C11176652	8555	GG	TT	1940566344
SNP_P1_271971_7057	NW_004522743.1	C11177592	7057	AA	TT	1940566347
SNP_P1_271972_7893	NW_004522743.1	C11177592	7893	CC	TT	1940566349
SNP_P1_271973_7910	NW_004522743.1	C11177592	7910	CC	AA	1940566351
SNP_P1_271974_7938	NW_004522743.1	C11177592	7938	TT	GG	1940566353
SNP_P1_271975_8976	NW_004522743.1	C11177592	8976	AA	GG	1940566355
SNP_P1_271976_9229	NW_004522743.1	C11177592	9229	AA	TT	1940566357
SNP_P1_271977_9230	NW_004522743.1	C11177592	9230	TT	GG	1940566359
SNP_P1_271978_10639	NW_004522743.1	C11177592	10639	GG	TT	1940566361
SNP_P1_271980_10787	NW_004522743.1	C11177592	10787	CC	AA	1940566363
SNP_P1_271981_12394	NW_004522743.1	C11177592	12394	GG	CC	1940566365
SNP_P1_271982_2927	NW_004522745.1	C11178116	2927	CC	AA	1940566367
SNP_P1_271983_1771	NW_004522746.1	C11178328	1771	CC	AA	1940566370
SNP_P1_271984_1994	NW_004522746.1	C11178328	1994	GG	AA	1940566372
SNP_P1_271985_2960	NW_004522746.1	C11178328	2960	TT	AA	1940566374
SNP_P1_271986_3266	NW_004522746.1	C11178328	3266	GG	CC	1940566376
SNP_P1_271987_3348	NW_004522746.1	C11178328	3348	GG	AA	1940566378
SNP_P1_271988_4062	NW_004522746.1	C11178328	4062	GG	TT	1940566380
SNP_P1_271989_4396	NW_004522746.1	C11178328	4396	GG	TT	1940566382
SNP_P1_271990_6460	NW_004522746.1	C11178328	6460	TT	CC	1940566384
SNP_P1_271991_6495	NW_004522746.1	C11178328	6495	AA	TT	1940566386
SNP_P1_271992_7768	NW_004522746.1	C11178328	7768	CC	TT	1940566388
SNP_P1_271993_8631	NW_004522746.1	C11178328	8631	AA	TT	1940566390
SNP_P1_271995_11930	NW_004522746.1	C11178328	11930	CC	TT	1940566393
SNP_P1_271997_13399	NW_004522746.1	C11178328	13399	TT	CC	1940566395
SNP_P1_271999_11616	NW_004522749.1	C11178574	11616	TT	CC	1940566397

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SNP_P1_272002_20322	NW_004522751.1	C11181782	20322	GG	AA	1940566401
SNP_P1_272003_20423	NW_004522751.1	C11181782	20423	TT	AA	1940566403
SNP_P1_272006_46379	NC_011163.1	Pltd	46379	AA	GG	1940566405
SNP_P1_272007_50492	NC_011163.1	Pltd	50492	TT	CC	1940566407